



EL PASO  
INDEPENDENT  
SCHOOL DISTRICT

BOARD OF TRUSTEES, EL PASO INDEPENDENT SCHOOL DISTRICT  
JUNE 20, 2024  
5:00 PM  
EPISD Administration Building (1014 North Stanton Street, El Paso, Texas)

**Videoconference Notice:**

A quorum of the Board of Trustees will be physically present at the EPISD Administration Building, 1014 North Stanton Street, El Paso, Texas 79902, and it is the intent to have a quorum of the Board present at that location. Pursuant to Texas Government Code 551.127 if a quorum of the Board is physically present at the designated location, other Trustees may attend and participate in this meeting via videoconference.

---

**Announcement of Meeting/Agenda**

As Directed Under the Provisions of the  
Texas Open Meetings Act,  
Texas Government Code, Chapter 551

If, during the course of the meeting covered by this Notice, the Board of Trustees should determine that a closed or executive meeting or session of the Board of Trustees is required, then such closed or executive meeting or session as authorized by the Texas Open Meetings Act, Texas Government Code Section 551.001 et seq., or Texas Government Code 418.183 (f), will be held by the School Board at the date, hour, and place given in this Notice or as soon after the commencement of the meeting covered by this Notice as the School Board may conveniently meet in such closed or executive meeting or session concerning any and all purposes permitted by the Act. Before any closed meeting is convened, the presiding officer will publicly identify the section or sections of the Act authorizing the closed meeting. All final votes, actions, or decisions will be taken in open meeting.

**Subject of Meeting**

1. **Call to Order**
2. **Pledges of Allegiance**
3. **Moment of Silence**
4. **Recognitions**
  - A. June 2024 Community Partners Recognitions  
*(To recognize our community partners for their support and commitment to the District)*
  - B. June 2024 Student Recognitions  
*(To recognize students for their academic achievement and involvement in the District)*
  - C. June 2024 Staff Recognitions  
*(To recognize staff for their commitment to District outcome goals)*

5. **Public Forum**

6. **Consent Agenda**

*(Our adopted rules of Parliamentary Procedure, Robert's Rules, provide for a Consent Agenda listing several items for approval of the Board by a single motion. Documentation concerning these items has been provided to all Board members and the public in advance to assure an extensive and thorough review.)*

- A. Approval of Minutes
  1. Approval of May 21, 2024, Special Board of Trustees Meeting
  2. Approval of May 21, 2024, Board of Trustees Meeting
  3. Approval of May 29, 2024, Special Board of Trustees Meeting
  4. Approval of June 4, 2024, Special Board of Trustees Meeting

- B. Approval of Budget Amendments
1. Approval of Budget Amendment to Allocate Funds for Costs Associated with Personnel, Professional Development, Student Fieldtrips, Contracted Services and Software Equipment (General Operating Fund - \$522,974.00)  
*(Amendment will provide adequate funding for District operations)*
  2. Approval of Budget Amendment to Account for Proceeds Related to the Sale of District Properties During the Current Fiscal Year (Unreserved/Undesignated Fund Balance - \$82,580.00)  
*(Amendment will provide adequate funding for District operations)*
- C. Proposed Adoption and Revisions to Board Policies  
*(District Policies may be found at [www.episd.org](http://www.episd.org) under the EPISD Board tab)*
1. Adoption of Proposed Revisions to Board Policy CQB (Local) - Technology Resources: Cybersecurity  
*(To revise policy verbiage to align with recommendations by the Texas Association of School Boards in Update 122)*
  2. Adoption of Proposed Revisions to Board Policy CFB (Local) - Accounting: Inventories  
*(To revise policy language for alignment to Government Accounting Standards Board (GASB) No. 87 and 96)*
- D. Approval of Low Attendance School Day Waiver from Texas Education Agency for Andress High School  
*(To submit a waiver to the Texas Education Agency for Andress High School for May 21, 2024)*
- E. Approval of Low Attendance School Day Waiver from Texas Education Agency for Chapin High School  
*(To submit a waiver to the Texas Education Agency for Chapin High School for January 12, 2024)*
- F. Approval of Memorandum of Agreement between El Paso Independent School District and Boys and Girls Clubs of El Paso for After School Programs  
*(To provide afterschool programs at selected school sites providing enrichment activities which support regular academic programs)*
- G. Approval of 2024-2025 Innovative Course Application for New Course to Texas Education Agency  
*(To submit the 2024-2025 Innovative Course Application to the Texas Education Agency for Unveiling Herstory: Women's Historical Significance course for approval)*
- H. Approval of Legal Services Retainer Agreement between El Paso Independent School District and Walsh Gallegos Kyle Robinson & Roalson P.C., for Special Education and Other Matters (Operating Funds - \$1,000.00)  
*(To retain counsel with regard to Special Education and other matters in budgeted amounts not to exceed \$340,000.00)*
- I. Purchases Requiring Board Approval
1. Approval of Interlocal Agreement between El Paso Independent School District and Educational Service Center Region 19 for Information and Instructional Technology Services for Purchase of Zoom Licenses (Budgeted Local Funds - \$41,640.00)  
*(To continue to provide Zoom licenses for District staff and students)*
  2. Approval of Award of Student Telehealth Services, RFQ #24-023 (Administration Recommendation: Urgent Care for Kids, LLC, dba Goodside Healthcare)  
*(To select a qualified individual or organization to provide student telehealth services virtually)*
  3. Approval to Exercise the Second Option to Extend Special Education Related Services, RFP #22-041, to The Stepping Stones Group, LLC (Budgeted Local Funds - Not to Exceed \$200,000.00)  
*(To continue to provide speech and occupational therapy services to students, as required in their Individualized Education Program (IEP), when staff is on extended leave or when there is a vacancy in a position)*
  4. Approval to Exercise the First Option to Extend RFP #23-075, Sheltered Instruction Observation Protocol (SIOP) Model, from Sawas Learning Company, LLC, and the Purchase of Materials, Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC) Contract #24-7474, Consulting, Instructional, and Training Resources (Budgeted Federal Funds - \$148,707.38)  
*(To provide an instructional model to English language learners and help them develop proficiency while building academic English literacy skills and subject area knowledge)*
  5. Approval of First Amendment and First Renewal to Kick Drugs out of America Foundation, dba Kickstart Kids, and El Paso Independent School District Vendor Contract for Expenditures to Purchase Services and Supplies, Utilizing Central Texas Purchasing Alliance (CTPA) Carrollton-Farmers Branch Independent School District Contract #2022-10-031 (Budgeted DoDEA and ESSER Funds - \$329,100.00)  
*(To provide a program to cultivate and encourage positive behaviors in a safe environment)*
  6. Approval of Expenditures to Purchase Multi-Tiered Systems of Support (MTSS) Student Platform, Student Emotional Learning (SEL) and Student Survey Platform, Staff and Parent Climate Survey, and Professional Learning Programs, from Panorama Education, Inc., Utilizing Harris County Choice Partners Contract #21/031KN-44, Technology Products and Services (Budgeted Local and Federal Funds - \$424,000.00)  
*(To provide an all-in-one solution for implementing a comprehensive climate, MTSS and SEL Program, District-wide)*
  7. Approval of Expenditures to Kids Excel El Paso, Inc., Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC) Contract #24-7474, Consulting, Instructional, and Training Resources (Budgeted Local Funds - \$154,000.00)

- (To continue to provide EPISD students with access to high quality arts education and bolster self-esteem)*
8. Approval of Expenditures to Purchase Structured Literacy Capacity Building for Literacy Interventionists from Neuhaus Education Center, Utilizing Harris County Choice Partners #22/038SG-25, Educational Materials and Related Items (Budgeted Federal Funds - \$214,440.00)  
*(To provide Structured Literacy training to build capacity for Reading Interventionists in Grades K-8)*
  9. Approval of Expenditures to Purchase Emergency Preparedness and Threat Assessment Software from Navigate360, LLC, Utilizing The Interlocal Purchasing System (TIPS) #210101, Technology Solutions, Products and Services (Budgeted Local Funds - \$152,500.00)  
*(To provide Emergency Preparedness and Threat Assessment software)*
  10. Approval of Sixth Amendment to Vendor Contract and Expenditures for Zendesk Work Order Ticketing System from SHI Government Solutions, Inc., Utilizing The Interlocal Purchasing System (TIPS) Contract #230105, Technology Solutions, Products, and Services (Budgeted Local Funds - \$244,512.80)  
*(To continue utilizing the Zendesk work order ticketing system to provide quality customer service to both internal and external customers)*
  11. Approval of Expenditures to Renew JAMF Software from Apple Inc., Utilizing Harris County Department of Education (HCDE) Choice Partners Cooperative Contract #23/036SG-01, Computers, Hardware, Technology Devices, Maintenance, and Related Services (Budgeted Local Funds - \$434,545.00)  
*(To continue to provide mobile device management licenses to the District)*
  12. Approval of Expenditures to Renew Microsoft Enterprise Licensing for Office, Server, and SQL, from Insight Public Sector, Inc., Utilizing State of Texas Department of Information Resources (DIR) Contract #DIR-CPO-5239 (Budgeted Local Funds - \$467,355.24)  
*(To continue with the Microsoft Volume Licensing agreement entitling District users to the latest versions of Microsoft products)*
  13. Approval of Expenditures to Purchase IDAUTO Software from Decision Tree, Inc., Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC), Contract #24-7480, Technology, Hardware, Software, Services and Related (Supplemental) (Budgeted Local Funds - \$212,000.00)  
*(To provide identity and access management solution for the District)*
  14. Approval of Award Bond Counsel Services RFQ #24-027 (Administration Recommendation: Norton Rose Fulbright US LLP)  
*(To select a qualified individual or organization to provide bond counsel services to the District)*
  15. Approval of Expenditures to Purchase Professional Learning Software and Schoology Learning Management System (LMS) from PowerSchool Group LLC, Utilizing The Interlocal Purchasing System (TIPS) Contract #210101, Technology Solutions, Products and Services (Budgeted Local Funds - \$255,554.45)  
*(To continue providing a professional development and a learning management system for the District's students and teachers to broaden educational technology)*
  16. Approval of Vendor Contract for Software and Services between Frontline Technologies Group, LLC, d/b/a Frontline Education and El Paso Independent School District in the amount of \$109,202.57; First Amendment and Extension to Frontline Technologies Group, LLC, d/b/a Frontline Education and El Paso Independent School District Vendor Contract (Software and Services - Instructional Materials Management Subscription) in the amount of \$4,937.00; First Amendment and Extension to Frontline Technologies Group, LLC, d/b/a Frontline Education and El Paso Independent School District Vendor Contract (Software and Services - Frontline Data & Analytics, powered by Forecast5) in the amount of \$4,990.49; Eighth Amendment to Software License and Support Services Agreement, in the amount of \$821,375.78; Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC) Contract #24-7490 (Budgeted Local Funds - \$940,505.84)  
*(To continue the annual maintenance and support for Frontline TEAMS student and business systems, Forecast5 Data Analytics, and Instructional Materials Management Subscription)*
  17. Approval of Award of Districtwide Copier Lease Program, RFP #24-024 (Administration Recommendation: Dahill Office Technology Corporation)(Budgeted Local & Federal Funds - \$5,015,000.00)  
*(Copiers are needed to support District operations)*
- J. Approval of Award of and Change Orders to Construction Contracts
1. Approval of Change Order No. 06 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-037, Project No. 22.513C, for a Non-Compensatory Time Extension of Twenty (20) Calendar Days, to Dantex General Contractors, Inc.  
*(To comply with Board Policy CV (Local) pertaining to change orders to construction contract)*
  2. Approval of Change Order No. 07 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-038, Project No. 22.513C, in the Amount of \$106,624.00 and a Time Extension of Fourteen (14) Calendar Days, to Dantex General Contractors, Inc. (Budgeted ESSER III Funds - \$106,624.00)  
*(To comply with Board Policy CV (Local) pertaining to change orders to construction contracts)*
  3. Approval of Change Order No. 08 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 4), CSP #23-038, Project No. 22.513D, for a Non-Compensatory Time Extension of Thirty (30) Calendar Days, to Dantex General Contractors, Inc.  
*(To comply with Board Policy CV (Local) pertaining to change orders to construction contracts)*
  4. Approval of Change Order No. 12 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 2), CSP #23-036, Project No. 22.513B, for a Non-Compensatory Time Extension of Thirty (30) Calendar Days, to Noble General Contractors, LLC  
*(To comply with Board Policy CV (Local) pertaining to change orders to construction contracts)*

5. Approval to Allocate 2016 Bond Interest Funds for Revised Net Zero Elementary School Conceptual Design Study in the Amount of \$41,150.00  
*(Approval of the proposed Bond Interest Fund allocation to authorize administration to proceed with the revised conceptual design study)*
  6. Approval of 2016 Bond Interest Fund Allocation for Dr. Torres Classroom Building "C" Conversion to Refrigerated Air in the Amount of \$1,537,304.00  
*(Approval of the proposed Bond Interest Fund allocation to authorize administration to proceed with the implementation of a Bond Gap project)*
  7. Award of Canyon Hills Shade Structures, Project No. 24.550A, Utilizing Region 19 Allied States Cooperative, RFP #22-7425, to The Playwell Group, Inc. (Budgeted Operating Funds - \$176,474.44)  
*(Approval is needed to proceed with construction)*
  8. Award of Austin HS Stadium Lighting Improvements, Project No. 24.535B, Utilizing Sourcewell Cooperative Contract, Sports Lighting Solutions with Related Technology, Equipment, and Services, RFP #041123MSL, to Musco Sports Lighting, LLC (Budgeted Operating Fund - \$398,430.00)  
*(Approval is needed to proceed with the construction of the Austin High School Stadium Lighting Improvements)*
- K. Approval of Final Payment for Construction Contracts
1. Approval of Final Acceptance of Work and Final Payment for Bobby Joe Hill PK-8, CSP No. 19-012, Project No. 17.617, to Arrow Building Corporation (2016 Bond Funds - \$1,456,548.42)  
*(Approval is needed to proceed with final acceptance and final payment for the project as per Board Policy)*

**7. Action Item**

- A. Discuss and Take Appropriate Action on Selection of Delegate and Alternate to 2024 TASA/TASB Conference  
*(The Delegate Assembly is the foundation of TASB's governance structure and provides critical direction as TASB represents members' interest before state and national policymakers)*

**8. Report**

- A. Overview of 2024-2025 Equity Based Budget Allocations and Behavioral Health Benefits Utilization  
*(To provide overview of District programming and services for the 2024-2025 school year)*

**9. Items on Next Month's Agenda**

- A. Overview of Future Board Meeting Agenda Items  
*(To provide an overview of future Board Meeting agenda items)*

**10. Adjournment**

***If not adjourned beforehand, the meeting will recess at 11:00 p.m. or within a reasonable time frame thereafter. If there is any unfinished business, the meeting will be reconvened at 5:00 p.m. on Tuesday of the following week to take up any such unfinished business.***

---



---



---

\_\_\_\_\_  
**Superintendent**

*The District condemns and prohibits discrimination, including harassment, against any employee on the basis of race, color, age, sex, religion, national origin, marital status, citizenship, military status, disability, genetic information, gender stereotyping and perceived sexuality, perceived or actual sexual orientation, gender identity or gender expression, or any other basis prohibited by law. Inquiries concerning the application of Title VI, VII, and IX, and Section 504 may be referred to the District Compliance Officer, Rosa Ramos, at (915) 230-2031; 504 inquiries regarding students may be referred to Kelly Ball at (915) 230-2856.*



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*June 2024 Community Partners Recognitions*

**JUSTIFICATION STATEMENT:**

(To recognize our community partners for their support and commitment to the District)

**PURPOSE OF AGENDA ITEM:** Public Relations

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Liza Rodriguez, Chief Communications Officer

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The Board will recognize Dwain Gulley, lead School Liaison Officer for Fort Bliss, for advocating for military students and families, and for his 20 years of service in the military.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*June 2024 Student Recognitions*

**JUSTIFICATION STATEMENT:**

(To recognize students for their academic achievement and involvement in the District)

**PURPOSE OF AGENDA ITEM:** Public Relations

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Liza Rodriguez, Chief Communications Officer

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The Board of Trustees will recognize Austin High School theater students, under the direction of David Alba, for being the first 4A school in the Borderland to win the UIL One Act Play area competition and advance to Regionals.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*June 2024 Staff Recognitions*

**JUSTIFICATION STATEMENT:**

(To recognize staff for their commitment to District outcome goals)

**PURPOSE OF AGENDA ITEM:** Public Relations

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Liza Rodriguez, Chief Communications Officer

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The Board will recognize Ms. Cheryll Felder for her nearly 48 years of wholeheartedness and service to the students of the El Paso ISD. The Board will also recognize the staff involved in the planning and execution of Destination District Redesign Phase I. Additionally, the Board will recognize the staff that assisted with the 2024 graduations for their commitment to the success of all of the high school ceremonies.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of May 21, 2024, Special Board of Trustees Meeting*

**JUSTIFICATION STATEMENT:**

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** Diana Sayavedra

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The minutes for the May 21, 2024, Special Board of Trustees Meeting are presented for approval.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the minutes of the May 21, 2024, Special Board of Trustees Meeting, as written.

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

- |   | Description               |
|---|---------------------------|
| □ | Board Minutes 5.21.24 SBM |

**MINUTES OF SPECIAL BOARD OF TRUSTEES MEETING  
EL PASO INDEPENDENT SCHOOL DISTRICT  
MAY 21, 2024  
2:00 P.M.**

**Present:** Mr. Israel Irrobali, President  
Ms. Valerie Beals, Vice President  
Ms. Isabel Hernandez, Secretary  
Mr. Daniel Call, Member  
Mr. Alex Cuellar, Member  
Ms. Leah Hanany, Member  
Dr. Jack Loveridge, Member  
Ms. Diana Sayavedra, Superintendent

**Others:** Ms. Cezy Collins, Legal Counsel  
Mr. Joshua Govea, Assistant General Counsel

**1. Call to Order**

The meeting was called to order at 2:02 p.m. by Board President Irrobali.

The following individuals requested to address the Board regarding Items 2.A.4. and 2.A.7.:

**Item 2.A.4.** – Ms. Lisa Slaughter, Community Member, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Ms. Crystal Echaniz, Special Education Teacher at Lundy Elementary, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Ms. Calista Grant, Community Member, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Ms. Rebecca Reiter, Teacher and Parent at Lundy Elementary, addressed the Board in favor of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Ms. Lauren Torres, Community Member, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Mr. Seth Culler, Community Member, addressed the Board expressing his concerns with the interview process regarding this case.

**Item 2.A.4.** – Ms. Suzanne De More was not present when called upon.

**Item 2.A.4.** – Ms. Stacey Primeaux, Community Member and Lundy PTA President, addressed the Board on behalf of teacher Nicole Schuster.

**Item 2.A.4.** – Ms. Aki Paget, Paraprofessional at Lundy Elementary, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Mr. Ross Moore, President of El Paso American Federation of Teachers, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Dr. Raymond Rumpf, Professor of UTEP, addressed the Board expressing his concerns with the investigation process regarding this case.

**Item 2.A.4.** – Ms. Traci Bass, Teacher at Lundy Elementary, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Ms. Kara Cervantes, Union Organizer for El Paso American Federation of Teachers, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Mr. Brian Schuster, Community Member, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Ms. Katherine Zeidman, Community Member, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Ms. Shannon O’Gurian, Community Member, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Mr. Michael O’Gurian, Community Member, addressed the Board in support of Ms. Nicole Schuster, Teacher at Lundy Elementary School.

**Item 2.A.4.** – Ms. Norma De La Rosa, President of El Paso Teachers Association, addressed the Board sharing her concerns related to the investigation process.

**Item 2.A.4.** – Ms. Vanessa Munoz was not present when called upon.

**Item 2.A.7.** – Ms. Laura Enriquez, President of Coronado High School Baseball Booster, addressed the Board in support of Ms. Gabriela Castellano.

**Item 2.A.7.** – Ms. Gabriela Castellano, EPISD Reading Interventionist, addressed the Board requesting the Board reconsider her termination and extend her contract.

**Meeting Closed**

The meeting was closed for Executive Session at 2:53 p.m.

**2. Meeting to be Closed under Sections 551.071, 551.074, 551.076, and 551.089 of the Texas Government Code as follows:**

- A. Consultation with Legal Counsel Concerning Legal Issues Relating To:
  - 1. Districtwide Intruder Detection Audit Report Findings; Pursuant to Texas Government Code Sections 551.071, 551.076, and 551.089
  - 7. Discussion and Consideration of the Record and the Recommendation of Independent Hearing Examiner in EPISD, Petitioner, v. Michael Washer, Respondent; TEA No. 089-LH-03-2024, Pursuant to Texas Government Code Sections 551.071 and 551.074

**Meeting Opened**

The meeting was reassembled in Open Session at 3:43 p.m.

**9. Discuss and Take Appropriate Action on the Record and the Recommendation of Independent Hearing Examiner in EPISD, Petitioner, v. Michael Washer, Respondent; TEA No. 089-LH-03-2024**

It was moved by Trustee Call, seconded by Trustee Irrobali, and carried unanimously, that the Board approve the termination and non-renewal of Michael Washer’s 2023-2024 term contract of employment as set forth in El Paso Independent School District Board of Trustee’s Decision and Order Regarding the Findings of Fact, Conclusions of Law and Recommendation of Independent Hearing Examiner in EPISD, Petitioner, v. Michael Washer, Respondent; TEA No. 089-LH-03-2024.

**3. Discuss and Take Appropriate Action on Districtwide Intruder Detection Audit Report Findings**

It was moved by Trustee Cuellar, seconded by Trustee Hernandez, and carried unanimously, that the minutes reflect that the School Safety and Security Committee met and developed a plan as discussed in closed session with the Board of Trustees.

**Meeting Closed**

The meeting was closed for Executive Session at 3:45 p.m.

**2. Meeting to be Closed under Sections 551.071, 551.074, 551.076, and 551.089 of the Texas Government Code as follows:**

- A. Consultation with Legal Counsel Concerning Legal Issues Relating To:
1. Recommendation of Proposed Termination of the 2023-2024 Continuing Employment Contract, Hartley PK-8 and Burges High School Teacher; Pursuant to Texas Government Code Sections 551.071 and 551.074
  2. Recommendation of Proposed Non-Renewal of the One-Year Term Employment Contract for Principal Specialty Campuses, Delta Academy/Raymond Telles Academy/College Career Tech Academy; Pursuant to Texas Government Code Sections 551.071 and 551.074
  3. Recommendation of the Termination of Employment of Teacher, Lundy Elementary School, at the End of the Contract Period of the One-Year Probationary Contract; Pursuant to Texas Government Code Sections 551.071 and 551.074
  4. Recommendation of the Termination of Employment of Reading Interventionist, Bobby Joe Hill PK-8 School, at the End of the Contract Period of the One-Year Probationary Contract; Pursuant to Texas Government Code Sections 551.071 and 551.074
  5. Recommendation of the Termination of Employment of Teacher, Nolan Richardson Middle School, at the End of the Contract Period of the One-Year Probationary Contract; Pursuant to Texas Government Code Sections 551.071 and 551.074

**Meeting Opened**

The meeting was reassembled in Open Session at 5:50 p.m.

- 4. Discuss and Take Appropriate Action on Recommendation of Proposed Termination of the 2023-2024 Continuing Employment Contract, Hartley PK-8 and Burges High School Teacher**  
It was moved by Trustee Cuellar, seconded by Trustee Hernandez, and carried unanimously, that the El Paso Independent School District Board of Trustees propose the termination of the Continuing Employment Contract of Angel Nevarez as a Teacher and authorize the Superintendent, Ms. Diana Sayavedra, to give Angel Nevarez notice of the proposed termination of his Continuing Employment Contract as a teacher.
- 5. Discuss and Take Appropriate Action on the Record and the Recommendation of Proposed Non-Renewal of the One-Year Term Employment Contract for Principal Specialty Campuses, Delta Academy/Raymond Telles Academy/College Career Tech Academy**  
It was moved by Trustee Cuellar, seconded by Trustee Hernandez, and carried unanimously, that the El Paso Independent School District Board of Trustees propose the non-renewal of the One-Year Term Employment Contract of Francisco Javier Ordaz as an administrator and authorize the Superintendent, Ms. Diana Sayavedra, to give Francisco Javier Ordaz notice of the proposed Non-Renewal of his One-Year Term Employment Contract as an administrator, with the non-renewal proceeding to be conducted in accordance with Board Policy DFD (Legal) and (Local) and the process established under Subchapter F of Chapter 21 of the Texas Education Code.
- 6. Discuss and Take Appropriate Action on Recommendation of the Termination of Employment of Teacher, Lundy Elementary School, at the End of the Contract Period of the One-Year Probationary Contract**  
It was moved by Trustee Irrobali, and seconded by Trustee Hernandez, that that the El Paso Independent School District Board of Trustees terminate the employment of Nicole Rene Schuster, Teacher, Lundy Elementary School, in the best interests of the District, and authorize the Superintendent, Ms. Diana Sayavedra, to give Nicole Rene Schuster notice of the Board of Trustees' decision to terminate her employment, effective at the end of the contract period of her One-Year Probationary Contract as a certified classroom teacher. The motion failed with Trustees Irrobali, Hernandez, and Call voting in favor of the motion and Trustees Hanany, Beals, Cuellar, and Loveridge voting against.

**7. Discuss and Take Appropriate Action on Recommendation of the Termination of Employment of Reading Interventionist, Bobby Joe Hill PK-8 School, at the End of the Contract Period of the One-Year Probationary Contract**

It was moved by Trustee Irrobali, seconded by Trustee Cuellar, and carried unanimously, that the El Paso Independent School District Board of Trustees terminate the employment of Gabriela Maria Luisa Castellano, Reading Interventionist, Bobby Joe Hill PK-8 School, in the best interests of the District, and authorize the Superintendent, Ms. Diana Sayavedra, to give Ms. Castellano notice of the Board of Trustees' decision to terminate her employment, effective at the end of the contract period of her One-Year Probationary Contract as a certified classroom teacher.

**8. Discuss and Take Appropriate Action on Recommendation of the Termination of Employment of Teacher, Nolan Richardson Middle School, at the End of the Contract Period of the One-Year Probationary Contract**

It was moved by Trustee Irrobali, seconded by Trustee Cuellar, and carried unanimously, that the El Paso Independent School District Board of Trustees terminate the employment of Daron Dwayne Scott, Teacher, Nolan Richardson Middle School, in the best interests of the District, and authorize the Superintendent, Ms. Diana Sayavedra, to give Mr. Scott notice of the Board of Trustees' decision to terminate his employment, effective at the end of the contract period of his One-Year Probationary Contract as a certified classroom teacher.

**10. Adjournment**

The meeting was adjourned at 5:55 p.m.

\_\_\_\_\_  
**President**

\_\_\_\_\_  
**Secretary**

**Date Approved:** \_\_\_\_\_



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of May 21, 2024, Board of Trustees Meeting*

**JUSTIFICATION STATEMENT:**

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** Diana Sayavedra

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The minutes for the May 21, 2024, Board of Trustees Meeting are presented for approval.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the minutes of the May 21, 2024, Board of Trustees Meeting, as written.

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

- |   | Description               |
|---|---------------------------|
| □ | Board Minutes 5.21.24 RBM |

**MINUTES OF BOARD OF TRUSTEES MEETING  
EL PASO INDEPENDENT SCHOOL DISTRICT  
MAY 21, 2024  
5:00 P.M.**

**Present:** Mr. Israel Irrobali, President  
Ms. Valerie Beals, Vice President  
Ms. Isabel Hernandez, Secretary  
Mr. Daniel Call, Member  
Mr. Alex Cuellar, Member  
Ms. Leah Hanany, Member  
Dr. Jack Loveridge, Member  
Ms. Diana Sayavedra, Superintendent

**Others:** Ms. Cezy Collins, General Counsel  
Mr. Joshua Govea, Assistant General Counsel

**1. Call to Order**

The meeting was called to order at 6:13 p.m. by Board President Irrobali.

**2. Pledges of Allegiance**

Board President Irrobali led the Pledges of Allegiance.

**3. Moment of Silence**

A moment of silence was observed.

**4. Recognitions**

**A. May 2024 Student Performances**

The Magoffin Middle School band performed for the Board of Trustees and meeting attendees.

**B. May 2024 Student Recognitions**

The Board recognized the Chapin High School Boys Basketball Team and the Burges High School Soccer Team for reaching the Elite 8 at the UIL State Playoffs. The Board also recognized Eric Lucero and Camila Mendoza, students from El Paso High School, for being selected as Quest Bridge scholars. The Board also recognized students from the Transmountain Early College High School Student Council for securing First Place with their teen driving video. Diana Calderon Madrid, student from Coronado High School, was also recognized for receiving an IV Exemplary Rating at the State Visual Arts Scholastic Event (VASE). The Board also recognized: Elaine Do, student from Franklin High School, for earning First Place in Related Technical Math SkillsUSA; Brayden Lozano, student from Chapin High School, for earning First Place in Firefighting at SkillsUSA; Gabriel Spencer, student from Andress High School, and Annelise Bingham, student from Franklin High School, for excelling in the Unique to Texas Drone Race Event for TSA.

**C. May 2024 Staff Recognitions**

The Board recognized Lieutenant Donica Pedregon as the first female to attain the rank of Lieutenant within the El Paso ISD Police Services Department. Additionally, the Board recognized Sergeant Armando Molinar for his 44 years of service in law enforcement, 19 of which were with El Paso ISD.

**5. Public Forum**

The following individuals requested to address the Board:

Mr. Michael O’Gurian was not present when called upon.

Mr. Brian Schuster was not present when called upon.

Ms. Norma De La Rosa, President of El Paso Teachers Association, addressed the Board sharing concerns regarding custodial schedules.

Ms. Vanessa Munoz was not present when called upon.

Ms. Lisa Slaughter was not present when called upon.

Ms. Traci Bass was not present when called upon.

Mr. Ross Moore, President of El Paso American Federation of Teachers, addressed the Board regarding results from the Special Board Meeting.

**6. Consent Agenda**

It was moved by Trustee Hanany, seconded by Trustee Cuellar, and carried unanimously, that the Consent Agenda items be approved as listed, including all recommended vendors, for all amounts indicated, with the exception of Items Q.15., 6.R.1- 6.R.15., and 6.S.1- 6.S.3.

**A. Approval of Minutes**

1. April 11, 2024, Audit Committee Meeting
2. April 16, 2024, Special Board of Trustees Meeting
3. April 16, 2024, Board of Trustees Meeting
4. April 30, 2024, Special Board of Trustees Meeting
5. May 7, 2024, Special Board of Trustees Meeting (Budget Workshop)
6. May 8, 2024, Special Board of Trustees Meeting

**B. Approval of Proposed Revisions to Board Policies**

1. Adoption of Proposed Revisions to Board Policy FEA (Local) – Attendance, Compulsory Attendance
2. Adoption of Proposed Revisions to Board Policy FFB (Local) - Student Welfare, Crisis Intervention
3. Adoption of Proposed Revisions to Board Policy FL (Local) - Student Records

**C. Approval of Budget Amendments**

1. Approval of Budget Amendment to Allocate Funds for Costs Associated with Supplies, Personnel, Professional Development, Instructional Materials, Student Travel & Fieldtrips, Contracted Service and Debt Service Processing Fees (General Operating Fund - \$72,863.00)
2. Approval of Budget Amendment to Record E-Rate Revenue and Technology Related Expenditures (General Operating Fund - \$1,128,915.00)
3. Approval of Budget Amendment for End of Year Alignment to the 2023-2024 General Operating Fund in Various Functions (General Operating Fund - \$2,685,000.00)
4. Approval of Budget Amendment for End of Year Alignment to the 2023-2024 Debt Service Fund (Debt Service Fund - \$11,562,022.00)

- D. Approval of Remote Homebound Instruction Waiver to Texas Education Agency for Homebound Students
- E. Approval to Accept Donation from Patriot Mortgage Company for Irvin High School (\$100,000.00) – the Board accepted the donation from Patriot Mortgage Company for Irvin High School for the purpose of upgrading the weight room in benefit of student use in the amount of \$100,000.00.
- F. Approval of Amendment to Dual Credit Partnership Agreement between El Paso Independent School District and El Paso Community College
- G. Approval of Memorandum of Understanding and Data Sharing Agreement between New Tech Network and El Paso Independent School District for Young Women's STEAM Research & Preparatory Academy through College Access Collaborative Grant
- H. Approval of First Amendment to Interlocal Agreement between The University of Texas at Austin and El Paso Independent School District for 2023-2024 OnRamps Program (Budgeted Federal, State, and Local Funds - \$130,086.00 Reduction) – the Board approved the first amendment to the Interlocal Agreement between the El Paso Independent School District and The University of Texas at Austin for a cost reduction in the OnRamps enrollment fees for the 2023-2024 school year, in the amount of \$130,086.00, as presented.
- I. Approval of Interlocal Agreement between The University of Texas at Austin and El Paso Independent School District for 2024-2025 OnRamps Program (Budgeted Federal, State, and Local Funds - \$270,000.00)
- J. Approval of Internship Affiliation Agreement between Texas Tech University and El Paso Independent School District
- K. Approval of Fees for Extended Day Learning Centers for 2024-2025 School Year
- L. Request for Waiver of Board Policy GKD (Local) Community Relations: Nonschool Use of School Facilities – El Paso Symphony Youth Orchestras (EPSYOs) (Operating Fund - \$2,100.00) – the Board approved the request from El Paso Symphony Youth Orchestras to waive Board Policy GKD (Local), Community Relations: Nonschool Use of School Facilities, and authorized the administration to make available to them the Fine Arts classroom at Burges High School, from September 8, 2024, through May 11, 2025, and waive the custodian services fees of \$2,100.00; further, based on the information provided by Administration and EPSYOs, the Board found that the waiver of the facility use fees serves a public purpose appropriate for the District, that adequate consideration flows to the District, and that the District will maintain adequate controls of the activities to ensure the public purpose adequate for the District is actually being carried out.
- M. Approval of Proposed Changes to 2023-2024 Audit Plan
- N. Third Quarter Financial Reports for Fiscal Year 2023-2024
- O. Approval of 2023-2024 El Paso ISD Superintendent's Appraisal Instrument Key Target 1.2 – the Board adopted the proposed Key Target 1.2 within the 2023-2024 Superintendent's Appraisal Instrument, as presented.

P. Superintendent's Personnel Recommendations for 2024-2025 School Year: Probationary Employment Contracts for Certified Professional Personnel and Nurses; Term Employment Contracts for Certified Teachers and Librarians; and Term Employment Contracts for Certified Professional Personnel and Nurses – the Board approved that full-time certified professional personnel who are required to hold a valid certificate or permit issued by the Texas Education Agency or the State Board for Educator Certification for their assignment and nurses, who have been employed for less than three successive school years, and who have not been employed as such in public education for at least five of the last eight years prior to employment with the District, be issued the next regular Probationary Contract in accordance with Policy DCA (Legal), Employment Practices: Probationary Contracts; further, the Board approved that full-time teachers, librarians, and nurses who have been employed for three consecutive years under Probationary Contracts, or who have been employed as teachers in public education for at least five of the last eight years prior to employment with the District, and who have completed all requirements for certification in their teaching fields, be issued Term Contracts in accordance with Policy DCB (Legal) and (Local), Employment Practices: Term Contracts; and further, the Board approved that full-time professional employees who are required to hold a valid certificate or permit issued by the Texas Education Agency or the State Board for Educator Certification for their assignment, and nurses who have been employed for three consecutive years with the District, or who have been employed in public education for at least five of the last eight years prior to employment with the District, be offered the appropriate One-Year Term Contract in accordance with Policy DCB (Legal) and (Local), Employment Practices: Term Contracts, except for those employees for whom the Board has voted to give notice of non-renewal, proposed termination, or end of contract termination.

Q. Purchases Requiring Board Approval

1. Approval of Interlocal Agreement between Region 17 Education Service Center (ESC) and El Paso Independent School District for Participation in the West Texas Food Service Cooperative Program for 2024-2025 School Year – the Board approved the West Texas Food Service Cooperative Interlocal Agreement through Region 17 Education Service Center (ESC) for the 2024-2025 school year, to be submitted electronically by Ms. Laura Duran, Director of Food and Nutrition Services, on behalf of Ms. Diana Sayavedra, Superintendent.
2. Approval to Purchase Food and Supplies, Utilizing Region 17 West Texas Food Service Cooperative Interlocal Agreement (Budgeted Federal Funds - \$15,300,000.00) – the Board approved the purchase of food products and supplies, utilizing the Region 17 West Texas Food Services Cooperative, and purchases from the vendor catalog of this cooperative, on an "as needed" basis, in the estimated amount of \$15,300,000.00, in the aggregate of all awarded vendors, for the period of July 1, 2024, through June 30, 2025.
3. Approval of Expenditures for Commodity Food Processing, Utilizing Region 17 West Texas Food Service Cooperative Interlocal Agreement (Budgeted Federal Funds - \$1,940,000.00) – the Board approved expenditures for commodity food processing, utilizing the Region 17 West Texas Food Service Cooperative Interlocal Agreement; further, the Board approved purchases from the vendor catalog of this cooperative, on an "as needed" basis, in the estimated amount of \$1,940,000.00, in the aggregate of all awarded vendors, for the period of July 1, 2024, through June 30, 2025, subject to review and approval of Interlocal Agreement contract documents by District's Legal Counsel.
4. Approval to Award Instructional Material for Advanced Placement (AP) Courses, CSP #24-035 (Administration Recommendation: Cengage Learning, Inc.; McGraw Hill, LLC; and Gateway Education Holdings, LLC, dba Savvas Learning Company, LLC) (Budgeted Instructional Materials Allotment Funds - \$707,010.00) – the Board approved the award of Instructional Material for Advanced Placement (AP) Courses, CSP #24-035, to Cengage Learning, Inc., in the amount of \$205,125.00; McGraw Hill, LLC, in the amount of \$300,585.00; and Gateway Education Holdings, LLC, dba Savvas Learning Company, LLC, in the amount of \$201,300.00, for a total amount of \$707,010.00.

5. Approval of Second Option to Extend Award of (ESSER) After-School Community Learning Centers, RFP #23-034, to STEAMSPIRATIONS, LLC (Budgeted Federal Funds - \$988,380.00) – the Board approved the second option to extend the award for (ESSER) After-School Community Learning Centers, RFP #23-034, to STEAMSPIRATIONS, LLC, in an amount not to exceed \$988,380.00, for the period of July 1, 2024, through June 30, 2025.
6. Approval of Expenditures to Purchase Licenses and Training from Summit K12 Holdings, Inc., Utilizing Choice Partners 21/016KN-14 and BuyBoard 653-21 (Budgeted Federal Funds - \$690,335.00) – the Board approved the expenditures to purchase licenses and training from Summit K12 Holdings, Inc., utilizing Choice Partners 21/016KN-14 and BuyBoard 653-21, in an amount not to exceed \$690,335.00, for a one (1) year period, as presented.
7. Approval of Expenditures for the Purchase of i-Ready Site Licenses, Math and Reading Add-On Pilot, Materials, and Professional Development Services, and Ellevation Platform-LPAC, Instructional Strategies, and Online Training from Curriculum Associates, LLC, Utilizing BuyBoard Contract #653-21 (Budgeted Local Funds/Bilingual Allotment - \$1,066,252.40) – the Board approved the expenditures for the purchase of i-Ready site licenses, Math and Reading add-on pilot, materials, and professional development services, and Ellevation Platform-LPAC, Instructional Strategies, and online training from Curriculum Associates, LLC, utilizing BuyBoard Contract #653-21, in the amount of \$1,066,252.40, subject in part to the approval of the 2024-2025 preliminary budget.
8. Approval of Expenditures to Renew Instructional Materials and Site Licenses from Social Studies School Service, Utilizing Buyboard Contract #653-21 (Budgeted ESSER Funds - \$259,663.20) – the Board approved the expenditures to renew instructional materials and licenses from Social Studies School Service, utilizing Buyboard Contract #653-21, from May 21, 2024, through June 30, 2026, in the estimated amount of \$259,663.20, contingent upon the availability of ESSER III Funding for the 2025-2026 school year, as presented.
9. Approval of Expenditures for Edgenuity Instructional Resources from Imagine Learning LLC, Utilizing The Interlocal Purchasing System (TIPS) Contract #230105, Technology Solutions Products and Services (Budgeted State Compensatory Education Funds - \$344,900.00) – the Board approved the expenditures for Edgenuity Instructional Resources from Imagine Learning LLC, utilizing The Interlocal Purchasing System (TIPS) Contract #230105, Technology Solutions Products and Services, in the estimated amount of \$344,900.00, subject in part to approval of the 2024-2025 preliminary budget.
10. Approval of Expenditures for the Purchase of Professional Development Services for Elementary and Secondary Campuses from Associates for Educational Success, Utilizing RFP #23-088, Professional Development and Other Contracted Services (Budgeted Federal Funds - \$150,000.00) – the Board approved the expenditures for the purchase of professional development services for elementary and secondary campuses from Associates for Educational Success, utilizing RFP #23-088, in the amount of \$150,000.00, subject in part to approval of the 2024-2025 preliminary budget.
11. Approval of Expenditures to Purchase Check Point Software and Linewize Student Safety Platform from Decision Tree, Inc., Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC) Contract #24-7480, Technology, Hardware, Software and Related (Budgeted Local Funds - \$578,135.00)
12. Approval of Expenditures to Purchase Vehicles in Support of District Displaced/Homeless Students from Sam Pack's Five Star Ford, Utilizing BuyBoard Contract #724-23, Vehicles, Police Motorcycles, Parts, and Maintenance Repair Services (Budgeted Grant Funds - \$108,672.80)
13. Approval of Expenditures to Purchase Water Bottle Filters from Ferguson Enterprises, LLC, Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC) Contract #23-7457, Maintenance, Repair, and Operation (MRO) Equipment, Supplies, Materials and Services (Budgeted ESSER III Funds - \$104,607.65)

14. Approval of Production/Licensing Contract and Master Addendum for Music Theatre International (MTI) Live On Stage Summer Musical Production (Budgeted Federal Funds - \$4,119.00) – the Board approved the Production/Licensing Contract and Master Addendum for Music Theatre International (MTI) Live On Stage Summer Musical Production, in the amount of \$4,119.00, with the understanding that the contract includes an indemnification clause that is limited to the extent permitted by law, as presented.
16. Ratification of Agreement with Centennial Banquet & Conference Center aka Installation Morale, Welfare, Recreation Fund (Budgeted Local Funds - \$41,075.00) – the Board ratified the contract between the El Paso ISD and the Centennial Banquet & Conference Center, also known as Installation Morale, Welfare, Recreation Fund, in the amount of \$41,075.00 for the Teacher of the Year and Educational Support Personnel celebration held on Friday, May 3, 2024, as presented.
17. Approval of Delegation of Assignment from Brewer Oil Co., to RelaDyne West LLC, under RFP #23-014, Automotive Parts, Equipment, Service, Supplies and Related

**ITEMS REMOVED FROM CONSENT AGENDA FOR SEPARATE VOTE**

**6.Q.15. Approval to Award Financial Advisor Services, RFQ #24-026 (Administration Recommendation: Hilltop Securities Inc.) – the Board approved the award of Financial Advisor Services, RFQ #24-026, to Hilltop Securities Inc., for an initial one-year term, with the option to renew four (4) additional years, twelve (12) months at a time, and further authorize administration to enter into contract negotiations during the term of the award, pending review and approval of contract documents by District's Legal Counsel.**

It was moved by Trustee Irrobali, and seconded by Trustee Cuellar, that the Board approve the award of Financial Advisor Services, RFQ #24-026, to Hilltop Securities Inc., for an initial one-year term, with the option to renew four (4) additional years, twelve (12) months at a time, and further authorize administration to enter into contract negotiations during the term of the award, pending review and approval of contract documents by District's Legal Counsel. The motion carried with Trustees Irrobali, Cuellar, Call, Beals, Hernandez, and Loveridge voting in favor of the motion and Trustee Hanany abstaining from the vote.

**Items 6.R.1. – 6.R.15. and 6.S.1. – 6.S.3.**

It was moved by Trustee Hanany, and seconded by Trustee Loveridge, that the Board approved Items 6.R.1. – 6.R.15. and 6.S.1. – 6.S.3. The motion carried with Trustees Hanany, Loveridge, Call, Beals, Hernandez, and Cuellar voting in favor of the motion and Trustee Irrobali abstaining from the vote.

**6.R. Approval of Award of Construction Contracts and Change Orders to Construction Contracts**

1. Approval of General Services Agreement for Architect Services for Campus Vestibules Regions 1 and 2, Project No. 24.555A, RFQ No. 21-009, to ASA Architects P.C. (Safety Security Grant - \$148,600.00)
2. Approval of General Services Agreement for Architect Services for Campus Vestibules Region 3, Project No. 24.555B, RFQ No. 21-009, to Alvidrez Architecture, Inc. (Safety Security Grant - \$139,130.00)
3. Award of Irvin High School Stadium Lighting Improvements, Project No. 24.535, Utilizing Sourcewell Cooperative Contract, Sports Lighting Solutions with Related Technology, Equipment, and Services, RFP #041123MSL, to Musco Sports Lighting, LLC (Budgeted Operating Funds - \$661,400.00)
4. Award of Portable Building Relocation Coronado to Gamble, Project No. 24.439, Region 19 Allied States Cooperative RFP #22-7434, to ACO Remodeling & Construction, Inc. (2016 Bond Funds - \$141,720.00)
5. Award of Douglass Elementary Main Office Remodeling, Project No. 24.546, Region 19 Allied States Cooperative RFP #21-7411, to ACO Remodeling & Construction, Inc. (Budgeted Operating Funds - \$128,566.81)

6. Award of Franklin High School Main Gym Bleachers, Project No. 24.548A, Utilizing The Interlocal Purchasing System (TIPS) RSCP #230104, Trades, Labor and Material (Part 2) Job Order Contracting, to Keystone GC, LLC (Budgeted Operating Funds - \$399,644.79)
7. Award of Franklin High School Gym Flooring, Project No. 24.548B, Utilizing Region 19 Allied States Cooperative RFP #21-7403, to Stout Hardwood Floor Co., Inc. (Budgeted Operating Funds - \$209,126.73)
8. Award of Moreno Elementary VAV Controls Upgrade, Project No. 24.549, Education Service Center (ESC) Region 19 Allied States Cooperative RFP #22-7434, to PC Automated Controls, Inc. (General Operating Funds - \$257,539.26)
9. Award of Wiggs Floor Replacement, Project No. 24.553, Region 19 Allied States Cooperative RFP #23-7457, to Pride General Contractors, LLC (Budgeted Operating Funds - \$133,528.69)
10. Approval of Change Order No. 2 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 1), CSP #23-037, Project No. 22.513A, to Dantex General Contractors, Inc. (Budgeted ESSER III Funds - \$417,726.53)
11. Approval of Change Order No. 3 for Coronado HS Stadium Bleacher Renovation, ESC 19 JOC No. 21-7411, Project No. 24.537, to Noble General Contractors, LLC, for \$6,222.30, and a Time Extension of 65 Calendar Days (199x Operating Fund - \$6,222.30)
12. Approval of Change Order No.4 for Chapin High School Track Facilities, Project No. 17.631G, Utilizing Region 19 Allied States Cooperative RFP #21-7411, Job Order Contracting & Facilities Construction Services, to Hellas Construction, Inc., for a Deductive Amount of \$3,000.00 and a Time Extension of Seven Calendar Days (Operating Funds - Deduction of \$3,000.00)
13. Approval of Change Order No. 05 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-037, Project No. 22.513C, to Dantex General Contractors, Inc. (Budgeted ESSER III Funds - \$113,204.03)
14. Approval of Change Order No. 07 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 4), CSP #23-038, Project No. 22.513D, to Dantex General Contractors, Inc. (Budgeted ESSER III Funds - \$88,166.19)
15. Approval of Change Order No. 013 for Jefferson High School, CSP No. 19-049, Project No. 17.624, to EMJ Corporation for a Non-Compensatory Time Extension of Four Hundred Seventy-Three (473) Calendar Days

**6.S. Approval of Final Payment for Construction Contracts**

1. Approval of Final Acceptance of Work and Final Payment for Burges HS Baseball Field Improvements, Project No. 17.623B, Utilizing Region 19 Allied States Cooperative, RFP #21-7411, Job Order Contracting & Facilities Construction Services, to Pride General Contractors, LLC (2016 Bond Fund - \$30,303.04)
2. Approval of Final Acceptance of Work and Final Payment for Chapin High School Track Facilities, Project No. 17.631G, Utilizing Region 19 Allied States Cooperative RFP #21-7411, Job Order Contracting & Facilities Construction Services, to Hellas Construction, Inc. (Operating Fund - \$141,227.35)
3. Approval of Final Acceptance of Work and Final Payment for Jefferson HS Auxiliary Gym Flooring, Utilizing ESC Region 19, JOC #21-7403, Project No. 17.624C, to Stout Hardwood Floor Co., Inc. (689X 2016 Bond Funds - \$6,547.51)

**7. Action Item**

**A. Discuss and Take Appropriate Action on 2024-2025 Revisions and 2025-2026 Academic School Calendars**

Superintendent Sayavedra introduced this item sharing that adjustments were recommended to the 2024-2025 school calendar in order to accommodate the upcoming Presidential election in November 2024.

Ms. Marivel Macias, Chief of Organizational Transformation and Equity, along with Ms. Lisa Estrada-Batson, Assistant Superintendent of Student Services, Mr. Joseph Manago, Secondary Executive Principal, and Ms. Michelle Casillas, Elementary Assistant Superintendent, provided an overview of the process and timeline used for creating the proposed 2024-2025 and 2025-2026 instructional school calendars, which included the provision of a side-by-side comparison of the two calendar options (Options A and B), which was made available for community vote. Ms. Casillas reported that the community vote indicated a total of 4,965 votes in support of calendar Option A for the 2024-2025 school year, and 4,965 votes in support of calendar Option B for the 2025-2026 school year.

As it pertains to the proposed revisions to the 2024-2025 School Calendar, Ms. Macias reported that information would be shared with Principals, providing some flexibility to parents who may have already made travel arrangements for the Fall and Spring Intersessions. Trustee Call shared his concerns with the proposed changes to the school calendars. Superintendent Sayavedra reported that for the 2026-2027 school calendar, one variable to consider would be the 180 instructional days, while assessing and evaluating whether two additional days are to be added moving forward. Trustee Hanany requested attendance and discipline data be provided during early release days, as well as a comparison of neighboring district calendars, in an effort to align and strategize to meet the needs of families.

It was moved by Trustee Hernandez, and seconded by Trustee Loveridge, that the Board approve the proposed revisions to the 2024-2025 School Calendar, Option A, as well as the 2025-2026 School Calendar, Option B, as presented. The motion carried with Trustees Hernandez, Loveridge, Hanany, Beals, Irrobali, and Cuellar voting in favor of the motion and Trustee Call voting against.

## 8. Public Meeting

### A. Public Meeting/Public Comment on ESSA Entitlements Plan (Title IA, IC, ID, Title II, Title III, & Title IV) and State Compensatory Education (SCE) Evaluation

Ms. Marivel Macias, along with Ms. Kristine Ferret, Executive Director of Strategic Planning and Design, provided the process and overview of funding recommendations for each of the Federal Entitlement Grants aligned to the intended purpose, identified needs, and Strategic Blueprint. Funding recommendations for State Compensatory Education (SCE) were also presented along with the results of the yearly SCE Evaluation.

Board President Irrobali opened the floor for speakers. There were no speakers.

Trustee Hanany suggested additional information be provided on the breakdown of State Compensatory Education funds at the campus level. Ms. Martha Aguirre, Chief Financial Officer, reported that the State allotment is a weighted percentage point based on the census and will provide information at a later date. She also reported on the per capita allocation by campus and by identified student.

## 9. Reports

### A. Equity Assessment Update

Ms. Marivel Macias, along with Mr. Ray Lozano, Executive Director for Equity and Community Engagement, presented the current status of the Equity Assessment through collaboration with Mid-Atlantic Equity Consortium. Mr. Lozano presented focus areas, as well as the phases and a timeline of the work to be completed through this project. He also shared that his department will be collaborating with the Communications Department on creating a webpage where timelines of focus groups, as well as upcoming meetings, will be posted so that the community is informed throughout this process.

**B. Connecting Languages Update**

Superintendent Sayavedra reported that this presentation would be to provide an update on the work being done to improve and enhance the Dual Language Program moving forward. Mr. Al Garcia, Chief Academic Officer, alongside Ms. Veronica Reyes, Executive Director of Specialized Learning Services, shared data results from an Internal Audit conducted in February 2023. Mr. Garcia reported on next steps, which will include changes within the elementary school setting, based on data driven evidence-based practices across campuses. Ms. Reyes provided data on students enrolled in the emergent bilingual and alternative language programs as well as bilingual exceptions filed. She also shared information on a tentative 90/10 roll-out plan for the 2024-2027 school years along with campuses currently following this structure beginning with Pre-K3. Additionally, Ms. Reyes reported upcoming changes in the 2024-2025 Dual Language Framework along with legal updates in August 2023 to Chapter 89, which now identifies the percentage/ratio of the two-way classroom compositions. Lastly, Ms. Reyes shared next steps, which include: continued collaboration with the Bilingual/Dual-Language Steering Committee; holding meetings with the Parent Taskforce and community meetings with each collaborating zone; and updating Policy EHBE (Local) to identify language specifying dual-language two-way classrooms.

Discussion ensued on the difference between bilingual and ESL certifications as well as the number of certified teachers in the District. Superintendent Sayavedra shared that with ESL instruction, students transition from their native language to English learning, while dual-language instruction entails teaching the student in both English and Spanish, while retaining both languages. In response to inquiries regarding bilingual certification, Mr. Garcia reported on the difficulty level of the bilingual certification test. Recruitment efforts in this area were also shared.

**10. Items on Next Month's Agenda**

**A. Overview of Future Board Meeting Agenda Items**

Superintendent Sayavedra provided a brief overview of tentative upcoming Board Meeting agenda items.

**11. Adjournment**

The meeting was adjourned at 8:52 p.m.

\_\_\_\_\_  
**President**

\_\_\_\_\_  
**Secretary**

**Date Approved:** \_\_\_\_\_



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of May 29, 2024, Special Board of Trustees Meeting*

**JUSTIFICATION STATEMENT:**

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** Diana Sayavedra

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The minutes for the May 29, 2024, Special Board of Trustees Meeting are presented for approval.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the minutes of the May 29, 2024, Special Board of Trustees Meeting, as written.

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

- |   | Description                                       |
|---|---|
| ▫ | Board Minutes 5.29.24 SBM (SuperSac Presentation) |

**MINUTES OF SPECIAL MEETING OF THE BOARD OF TRUSTEES  
EL PASO INDEPENDENT SCHOOL DISTRICT  
MAY 29, 2024  
11:00 A.M.**

**Present:** Mr. Israel Irrobali, President  
Ms. Valerie Beals, Vice President  
Ms. Isabel Hernandez, Secretary  
Mr. Daniel Call, Member  
Mr. Alex Cuellar, Member<sup>1</sup>  
Dr. Jack Loveridge, Member  
Ms. Diana Sayavedra, Superintendent

**Absent:** Ms. Leah Hanany, Member

**Other:** Ms. Cezy Collins, General Counsel  
Mr. Joshua Govea, Assistant General Counsel

**1. Call to Order**

The meeting was called to order at 11:03 a.m. by Board President Irrobali.

**2. Action Item**

**A. Discuss and Take Appropriate Action on Approval of Board Legislative Priorities and Advocacy Resolutions to the Texas Association of School Boards for the 89th Legislative Session**

Superintendent Sayavedra introduced this item for the Board to consider legislative priorities that will be in the best interest of the District. She shared that an initial draft of priorities was provided to the Board in the form of a resolution as well as legislative priorities associated with: funding, safety and security, teacher recruitment and retention, the accountability system, and overall support for public education. Ms. Collins informed the Board that the deadline to submit legislative priorities to the Texas Association of School Boards (TASB) is June 17 and the El Paso Delegation is requesting submissions by June 21, 2024.

Board President Irrobali requested to postpone action on this item until the budget meeting scheduled for June 4. He suggested adding language related to SB1882 as well as a moratorium for the expansion of Charter Schools. Trustee Irrobali also requested additional information on what is considered an equitable and accountable system. Ms. Sayavedra reported that the Commissioner and the Texas Education Agency (TEA) review the system annually, while legislation reviews it every five years. She also shared that advocating for accountability would help ensure the State notifies districts prior to making any changes to the accountability system.

It was moved by Trustee Cuellar that the Board approve its Legislative Priorities for the 89th Legislative Session and Advocacy Resolutions and give authority to the Superintendent, or designee, to fill out the online form for submission to the Texas Association of School Boards for consideration by its Delegate Assembly. The motion failed for a lack of second.

**3. Reports**

**A. SuperSAC Presentations**

Mr. Mark Paz, Secondary Assistant Superintendent, along with Mr. Joseph Manago, Secondary Executive Principal, introduced Marlene Pacheco and Paola Trujillo, students from Austin High School, to present the Student Advisory Council's research and proposals regarding three key areas affecting campus culture: Teacher/Student Relationships; Sense of Belonging; and Campus Activities. SuperSAC students were divided into three groups with each presenting their findings and recommendations on each of these topics.

---

<sup>1</sup> Trustee Cuellar arrived to the meeting at 11:07 a.m. during discussion of Item 2.A.

The first group reported on Teacher/Student relationships. Based on data from the Panoramic Survey, students reported that due to lack of communication, training, and motivation, both teachers and students displayed a deficit-based mindset when it came to building mutual relationships. Possible solutions students presented included: forming focus groups; presenting to Professional Learning Communities (PLCs); incorporating bonding time; and recommending summer training for teachers on effective problem solving to help close communication gaps.

The second group reported on a Sense of Belonging. Students reported that data from the Panoramic Survey indicated students felt they do not have important relationships with teachers, lack respect, and students put little to no effort to involve others. Suggestions included: having lunch with peers and getting to know them better; having a Principal Advisory Committee (PAC); lead and participate in activities fostering a sense of belonging; and creating a more involved and welcoming environment.

The third group reported on Campus Activities. Students reported that data collected by the Panoramic Survey indicated that teacher-student relationships were low. Students recommended incorporating campus activities, which would create a sense of community and ignite a chain reaction for intentional engagement. Students shared that these activities should have a sense of purpose and create bonding experiences for all those involved.

Superintendent Sayavedra shared the vision for Advisory and Whatever-I-Need (WIN) time, which was created for a time during the day when students need to focus on academic priorities or their well-being.

**4. Adjournment**

The meeting was adjourned at 12:25 p.m.

\_\_\_\_\_  
**President**

\_\_\_\_\_  
**Secretary**

**Date Approved:** \_\_\_\_\_



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of June 4, 2024, Special Board of Trustees Meeting*

**JUSTIFICATION STATEMENT:**

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** Diana Sayavedra

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The minutes for the June 4, 2024, Special Board of Trustees Meeting are presented for approval.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the minutes of the June 4, 2024, Special Board of Trustees Meeting, as written.

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

- |   | Description              |
|---|--------------------------|
| □ | Board Minutes 6.4.24 SBM |

**MINUTES OF SPECIAL BOARD OF TRUSTEES MEETING  
EL PASO INDEPENDENT SCHOOL DISTRICT  
JUNE 4, 2024  
9:00 A.M.**

**Present:** Mr. Israel Irrobali, President<sup>1</sup>  
Ms. Isabel Hernandez, Secretary  
Mr. Daniel Call, Member<sup>2</sup>  
Mr. Alex Cuellar, Member<sup>3</sup>  
Ms. Leah Hanany, Member<sup>4</sup>  
Dr. Jack Loveridge, Member  
Ms. Diana Sayavedra, Superintendent

**Absent:** Ms. Valerie Beals, Vice President

**Others:** Ms. Cezy Collins, Legal Counsel  
Mr. Joshua Govea, Assistant General Counsel

**1. Call to Order**

The meeting was called to order at 9:02 a.m. by Board President Irrobali.

**Meeting Closed**

The meeting was closed for Executive Session at 9:02 a.m.

**2. Meeting to be Closed under Section 551.071 of the Texas Government Code as follows:**

- A. Consultation with Legal Counsel Concerning Legal Issues Relating To:
1. Office of Civil Rights Docket No. 06-24-1852; Pursuant to Texas Government Code Section 551.071

**Meeting Opened**

The meeting was reassembled in Open Session at 9:14 a.m.

**3. Action Items**

**A. Discuss and Take Appropriate Action on Office of Civil Rights Docket No. 06-24-1852**

It was moved by Trustee Hernandez, seconded by Trustee Loveridge, and carried unanimously (5-0), that the Board authorize the Superintendent and Legal Counsel to proceed as discussed in closed session. The item carried with Trustees Hernandez, Loveridge, Call, Hanany, and Irrobali voting in favor of the motion. Trustees Beals and Cuellar were not present for the vote.

**B. Discuss and Take Appropriate Action on Approval of Board Legislative Priorities and Advocacy Resolutions to the Texas Association of School Boards for the 89th Legislative Session**

Superintendent Sayavedra reported this item was presented to the Board in May where it was requested to be postponed for additional review. Ms. Cezy Collins, General Counsel, reported that the adjustments requested by Dr. Loveridge as well as those by Board President Irrobali regarding SB1882 and a moratorium on the expansion of Charter Schools were incorporated. She also reported on the proposed changes by Trustee Hernandez relating to special education funding.

---

<sup>1</sup> Board President Irrobali departed the meeting at 9:48 a.m. during discussion of item 4.B.

<sup>2</sup> Trustee Call departed the meeting at 11:05 a.m. during discussion of Item 4.D.

<sup>3</sup> Trustee Cuellar arrived to the meeting at 9:22 a.m. during introduction of Item 4.

<sup>4</sup> Trustee Hanany arrived to the meeting at 9:05 a.m. while the meeting was in Executive Session and participated in discussion of Item 2.A.1.

It was moved by Trustee Hernandez, seconded by Trustee Hanany, and carried unanimously (5-0), that the Board approve its Legislative Priorities for the 89th Legislative Session and Advocacy Resolutions and give authority to the Superintendent, or designee, to fill out the online form for submission to the Texas Association of School Boards for consideration by its Delegate Assembly with the addition of the language regarding special education funding under the IDEA. The motion carried with Trustees Hernandez, Hanany, Call, Irrobali, and Loveridge voting in favor of the motion. Trustees Beals and Cuellar were not present for the vote.

**4. Board Workshop to Include a Discussion of the Following Topics:**

Superintendent Sayavedra introduced the following items as part of the budget development, which will be presented to the Board for approval in late June. She also provided information regarding the topics to be presented, which include a presentation from the Teacher Advisory Council, a financial forecast, overview of strategic investments for 2025, budget development, fund balance, and stipends.

**A. Teacher Advisory Council (TAC) Presentation**

Ms. Martha Aguirre, Chief Financial Officer, introduced members of the Teacher Advisory Council. Mr. Carlos Chavira, Teacher at Whitaker Elementary, Sarah Mayne, Teacher at Guerrero Elementary, and Ruben Soto, Teacher at Mesita Elementary, to provide an overview of cost saving ideas addressed at the various Teacher Advisory Council meetings, to include: technology/software, surplus, textbooks/supplies, and other budget-related matters. Additionally, revenue generating recommendations were presented, which included: attendance intervention, childcare program tuition, and after school program fees.

**B. Financial Forecast for Fiscal Year 2024 Update**

Ms. Maria Alonso, Executive Director of Financial Services, shared a comparison of budget, versus forecast revenue for Fiscal Year 2024. She also provided an overview of revenues and expenditures by function. Additionally, Ms. Alonso reviewed the forecast for June 30, 2024, for the General Fund Revenue reporting on an opportunity to move some expenses from the General Operating Fund to the ESSER Fund. Lastly, Ms. Alonso shared that the forecasted fund balance on June 30, 2024, is 80 days. Ms. Martha Aguirre, Chief Financial Officer, reported on 2023-2024 and 2024-2025 savings options, which would generate an additional 12.10 Fund Balance days.

**C. Fiscal Year 2025 Strategic Investments Overview**

Dr. Marta Carmona, Deputy Superintendent, reported on strategic investments and provided a breakdown of funding per Strategic Lever. She also shared that the expenditure breakdown is not only reflective of the General Operating funds but are inclusive of Federal Funding entitlements and other State and Federal Grants. Dr. Carmona also highlighted strategic investment areas where funds purposely aligned to the Strategic Blueprint. It was also shared that the District would be receiving after school programming funds from the Veronica Escobar Congressional Grant as well as Extended Day Learning centers and program costs. Additionally, Dr. Carmona reported that the District was awarded a Safe Grant to be invested districtwide. Superintendent Sayavedra reported that the Board approved tuition rates for the extended day learning program, which could generate additional revenue over time for the District.

Mr. Al Garcia, Chief Academic Officer, reported on the expansion, identification, and recruitment process for the Gifted and Talented Program. Additionally, Mr. Garcia shared that the campus principal would lead the effort to designate the appropriate personnel to lead this effort.

**D. Fiscal Year 2025 Budget Development Update**

Ms. Martha Aguirre introduced this item to report on information gathered from the Budget Review Committee and Teacher Advisory Council meetings. Ms. Patrica Cortez, Human Resources Chief Human Capital Management Officer, provided an overview of the healthcare options afforded to employees, to include health wellness opportunities and feedback from employees. Mr. Juan Chavez, Employee Benefits Director, reported that based on feedback from the committees, the need for better communication on health benefit opportunities was necessary. He also reported on ways the District is attempting to improve health benefits, to include lowering deductibles, extending clinic hours, offering cost-effective options, and enhancing preventive care options. Lastly, it was shared that mental health data would be provided at a later date to the Trustees.

Ms. Cortez reported on the proposed Miscellaneous Pay Rates and Extra Performance Pay and Instructional Stipends. Mr. Garcia reported on the proposed Science Fair Coordinator stipend. Ms. Michelle Casillas, Elementary Assistant Superintendent, reported on the opportunity to apply for a residency continuation grant, which would enable the District to hire 10 student residents and 10 mentor teachers with special education and bilingual certifications. Ms. Veronica Reyes, Executive Director for Specialized Learning Services, reported on proposed changes to bilingual certification stipends for the 2024-2025 school year. Additionally, Mr. Garcia reported on an agreement with UTEP for teacher bilingual certification.

Ms. Martha Aguirre provided a projected snapshot of the general fund budget. She reported on projected revenues and expenditures, as well as on the variances between the current year and the upcoming fiscal year. Ms. Aguirre also provided an overview of the projected budgets and expenses for fiscal years 2024-2027. Additionally, Ms. Aguirre presented the 2023-2024 Capital Replacement/Project Plan as well as budgetary timelines.

**5. Adjournment**

The meeting was adjourned at 11:37 a.m.

\_\_\_\_\_  
**President**

\_\_\_\_\_  
**Secretary**

**Date Approved:** \_\_\_\_\_

DRAFT



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**  
*Approval of Budget Amendment to Allocate Funds for Costs Associated with Personnel, Professional Development, Student Fieldtrips, Contracted Services and Software Equipment (General Operating Fund - \$522,974.00)*

**JUSTIFICATION STATEMENT:**  
(Amendment will provide adequate funding for District operations)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Martha Aguirre/Gloria De Leon

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**  
*Strategic Lever IV: Culture of Accountability - El Paso ISD cultivates a culture of transparency, care, and service.*

**SUMMARY:**  
Pursuant to Board Policy CE (Local) – Annual Operating Budget, the Board shall amend the budget when a change is made increasing any one of the functional spending categories or increasing revenue object accounts and other resources.

The budget amendment presented is to provide funding in correct account coding for goods and services as requested by campuses and departments, noted below:

- Bowie High School –  
Amendment request to align budget to cover costs related to substitutes and employee stipend in the amount of \$4,254.00. (Fund 199)
- Duran Elementary –  
Amendment request to allocate budget to cover substitute costs in the amount of \$2,294.00. (Fund 199)
- Equity & Community Engagement Department –  
Amendment request to allocate budget for costs related to professional development in the amount of \$1,000.00. (Fund 199)
- Fine Arts Department –  
Amendment request to allocate budget for personnel related costs associated with extra duty pay in the amount of \$3,146.00. (Fund 199)
- Information Technology –  
Amendment request to allocate budget for software costs and contracted services for technological security in the amount of \$510,000.00. (Fund 199)
- ROTC Programs –  
Amendment request to allocate budget for personnel related costs associated with extra duty pay in the amount of \$2,280.00. (Fund 199)

**ADMINISTRATIVE RECOMMENDATION/MOTION:**  
It is recommended that the Board of Trustees approve the request and amend the 2023-2024 fiscal year budget in the amount of

\$522,974.00 to the General Operating Fund.

**FUNDING SOURCE:** General Operating Fund (Fund 199) **ACCOUNT NO.:** Various Accounts

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$522,974.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

Program objectives will be delayed.

**IMPLEMENTATION TIMELINE:** Upon Approval

**COMMENTS RECEIVED, IF ANY:**

N/A

**ATTACHMENTS:**

Description

- ▢ Budget Amendment - Campus & Department

## Budget Amendment - Campuses & Departments - 06.20.2024

TO/FROM	FUND	FUNCTION/CLASS OBJECT	AMOUNT
FROM			
	<b>GENERAL OPERATING - FUND 199</b>		
		13 - CURRICULUM & INSTRUCTIONAL STAFF DEVELOPMENT	\$ 4,254
		23 - SCHOOL LEADERSHIP	\$ 2,294
		36 - EXTRACURRICULAR ACTIVITIES	\$ 5,426
		51 - FACILITIES, MAINTENANCE AND OPERATIONS	\$ 510,000
		61 - COMMUNITY SERVICES	\$ 1,000
			<b>\$ 522,974.00</b>

	<b>GENERAL OPERATING FUND - 199</b>		
		11 - INSTRUCTION	\$ 3,944
		12- SECURITY AND MONITORING SERVICES	\$ 1,042
		13 - CURRICULUM & INSTRUCTIONAL STAFF DEVELOPMENT	\$ 2,000
		23 - SCHOOL LEADERSHIP	\$ 1,000
		33 - HEALTH SERVICES	\$ 2,280
		36 - EXTRACURRICULAR ACTIVITIES	\$ 2,604
		52 - SECURITY AND MONITORING SERVICES	\$ 104
		53 - DATA PROCESSING SERVICES	\$ 510,000
			<b>\$ 522,974.00</b>
		<b>FUND 199 - GENERAL OPERATING FUND</b>	<b>\$ 522,974.00</b>

### AMENDMENT BY LOCATION

Bowie High School - 003	\$ 4,254
Duran Elementary - 183	\$ 2,294
Equity & Community Engagement - 814	\$ 1,000
Fine Arts - 831	\$ 3,146
Information Technology - 911	\$ 510,000
ROTC Programs - 803	\$ 2,280
<b>TOTAL</b>	<b>\$ 522,974.00</b>



<b>FOR OFFICE USE ONLY</b>	
Reviewed by:	<u>[Signature]</u>
Date:	<u>5-17-27</u>

**CAMPUS BUDGET AMENDMENT REQUEST**

TO: Executive Director of Budget & External Financial Management  
 FROM: Rose Gandarilla - 003 Bowie High School  
 DATE: 05/08/24 12:11 PM  
 SUBJECT: Budget Amendment Request for Fund 199

Pursuant to Board Policy CE (LOCAL) – Annual Operating Budget, the Board of Trustees, shall amend the budget when a change is made, increasing any one of the functional spending categories or increasing revenue object accounts and other resources.

I am requesting a transfer of funds between functions. I understand that this request will require approval by the Board of Trustees based on Board Policy CE (LOCAL).

<b>Amount</b>	<b>From Account</b>	<b>To Account</b>
\$886.00	199.13.6499.003.11.100.003	199.11.6112.003.11.362.003
\$14.00	199.13.6499.003.11.100.003	199.11.6141.003.11.362.003
\$739.00	199.13.6411.003.11.100.003	199.11.6112.003.22.362.003
\$11.00	199.13.6411.003.11.100.003	199.11.6141.003.22.362.003
\$2,500.00	199.13.6411.003.11.100.003	199.36.6117.003.99.362.003
\$37.00	199.13.6411.003.11.100.003	199.36.6141.003.99.362.003
\$19.00	199.13.6411.003.11.100.003	199.36.6148.003.99.362.003
\$48.00	199.13.6411.003.11.100.003	199.36.6149.003.99.362.003
<b><u>\$4,254.00</u></b>		

**Summary or Program**

Funds will not be utilized in Function 13 and are needed in Function 11 to cover deficits and in Function 36 to cover a stipend.

**Justification (Reason for request, consequences of non-approval, etc.)**

Funds are needed in Function 11 to cover deficits in the substitute accounts.  
 Funds are needed in Function 36 to cover a Kick Dance stipend and fringes.

**District Improvement Plan Objective/Goal:** II ACADEMIC EXCELLENCE - El Paso ISD empowers all learners to excel in current and future pursuits.

**CIP Objective/Goal:** 2.1.6 - Academic Excellence - Bowie HS empowers all learners to excel in current and future pursuits.

**CIT Acknowledgement/Approval:** 05/08/24

APPROVED BY: Mark Paz 05/08/24  
 (Appropriate Associate/Assistant Superintendent) (Date)



<b>FOR OFFICE USE ONLY</b>	
Reviewed by:	<u>[Signature]</u>
Date:	<u>5.17.24</u>

**CAMPUS BUDGET AMENDMENT REQUEST**

TO: Executive Director of Budget & External Financial Management  
 FROM: Marisa Holguin - 183 Coach Archie Duran Elementary  
 DATE: 05/06/24 1:31 PM  
 SUBJECT: Budget Amendment Request for Fund 199

Pursuant to Board Policy CE (LOCAL) – Annual Operating Budget, the Board of Trustees, shall amend the budget when a change is made, increasing any one of the functional spending categories or increasing revenue object accounts and other resources.

I am requesting a transfer of funds between functions. I understand that this request will require approval by the Board of Trustees based on Board Policy CE (LOCAL).

<b>Amount</b>	<b>From Account</b>	<b>To Account</b>
\$1,281.00	199.23.6395.183.99.100.183	199.11.6112.183.11.362.183
\$19.00	199.23.6395.183.99.100.183	199.11.6141.183.11.362.183
\$494.00	199.23.6499.183.99.100.183	199.11.6494.183.11.100.183
<u>\$500.00</u>	199.23.6396.183.99.100.183	199.11.6494.183.11.100.183
<b>\$2,294.00</b>		

**Summary or Program**

Funds in Function 23 will not be utilized and will be more appropriately utilized in Function 11 to cover deficits.

**Justification (Reason for request, consequences of non-approval, etc.)**

Funds in Function 23 will not be utilized and will be more appropriately utilized in Function 11 to cover deficits resulting from substitutes and student field trips.

**District Improvement Plan Objective/Goal:** II ACADEMIC EXCELLENCE - El Paso ISD empowers all learners to excel in current and future pursuits.

**CIP Objective/Goal:** 2.1.6

**CIT Acknowledgement/Approval:** 04/29/24

APPROVED BY: Dr. Carla Gonzales 05/07/24  
 (Appropriate Associate/Assistant Superintendent) (Date)



**BUDGET & EXTERNAL  
FINANCIAL MANAGEMENT**

EL PASO ISD  
it starts **with us**

<b>FOR OFFICE USE ONLY</b>	
Reviewed by:	<u>[Signature]</u>
Date:	<u>5.17.24</u>

**DEPARTMENT BUDGET AMENDMENT REQUEST**

TO: Executive Director of Budget & External Financial Management  
 FROM: Ray Lozano - 814 Equity & Community Engagement  
 DATE: 04/30/24 11:02 AM  
 SUBJECT: Budget Amendment Request for Fund 199

Pursuant to Board Policy CE (LOCAL) – Annual Operating Budget, the Board of Trustees, shall amend the budget when a change is made, increasing any one of the functional spending categories or increasing revenue object accounts and other resources.

I am requesting a transfer of funds between functions. I understand that this request will require approval by the Board of Trustees based on Board Policy CE (LOCAL).

Amount	From Account	To Account
\$1,000.00	199.61.6299.814.99.424.814	199.23.6411.814.99.100.814

**Summary or Program**

Funds in Function 61 will not be utilized and are needed in Function 23 for conference expenditures.

**Justification (Reason for request, consequences of non-approval, etc.)**

The amended funds will be used to cover any overages for principals attending the National Community Schools & Family Engagement Conference.

**District Improvement Plan Objective/Goal**

I WHOLE CHILD DEVELOPMENT - El Paso ISD schools foster learning environments for the whole child to thrive.

APPROVED BY: Marivel Macias 04/30/24  
 (Appropriate Associate/Assistant Superintendent) (Date)



**FOR OFFICE USE ONLY**

Reviewed by: [Signature]  
Date: 5.17.24

**DEPARTMENT BUDGET AMENDMENT REQUEST**

TO: Executive Director of Budget & External Financial Management  
FROM: Phillip Barraza - 831 Fine Arts  
DATE: 05/01/24 12:23 PM  
SUBJECT: Budget Amendment Request for Fund 199

Pursuant to Board Policy CE (LOCAL) – Annual Operating Budget, the Board of Trustees, shall amend the budget when a change is made, increasing any one of the functional spending categories or increasing revenue object accounts and other resources.

I am requesting a transfer of funds between functions. I understand that this request will require approval by the Board of Trustees based on Board Policy CE (LOCAL).

Amount	From Account	To Account
\$1,920.00	199.36.6299.831.99.096.831	199.13.6117.831.11.000.831
\$28.00	199.36.6299.831.99.096.831	199.13.6141.831.11.000.831
\$15.00	199.36.6299.831.99.096.831	199.13.6148.831.11.000.831
\$37.00	199.36.6299.831.99.096.831	199.13.6149.831.11.000.831
\$104.00	199.36.6299.831.99.096.831	199.52.6121.831.99.000.831
\$1,000.00	199.36.6299.831.99.096.831	199.12.6121.831.11.000.831
\$15.00	199.36.6299.831.99.096.831	199.12.6141.831.11.000.831
\$8.00	199.36.6299.831.99.096.831	199.12.6148.831.11.000.831
\$19.00	199.36.6299.831.99.096.831	199.12.6149.831.11.000.831

**\$3,146.00**

**Summary or Program**

Funds will not be utilized in Function 36 and will be needed in Function 13 for Other Payroll Payments and Fringe Benefits, and in Functions 12 and 52 for Overtime Support Personnel Fringes.

**Justification (Reason for request, consequences of non-approval, etc.)**

Funds are needed to cover Teacher Extra Duty for EPISD Dance Camp, Fine Arts hourly personnel overtime through end of year, and to cover account deficit.

**District Improvement Plan Objective/Goal**

II ACADEMIC EXCELLENCE - El Paso ISD empowers all learners to excel in current and future pursuits.

APPROVED BY: Vince Sheffield 05/01/24  
(Appropriate Associate/Assistant Superintendent) (Date)



<b>FOR OFFICE USE ONLY</b>	
Reviewed by:	<u>RR</u>
Date:	<u>5/10/24</u>

**DEPARTMENT BUDGET AMENDMENT REQUEST**

TO: Executive Director of Budget & External Financial Management  
 FROM: Manny Verduzco - 911 Information Technology  
 DATE: 04/29/24 9:13 AM  
 SUBJECT: Budget Amendment Request for Fund 199

Pursuant to Board Policy CE (LOCAL) – Annual Operating Budget, the Board of Trustees, shall amend the budget when a change is made, increasing any one of the functional spending categories or increasing revenue object accounts and other resources.

I am requesting a transfer of funds between functions. I understand that this request will require approval by the Board of Trustees based on Board Policy CE (LOCAL).

Amount	From Account	To Account
\$450,000.00	199.51.6257.911.99.288.911	199.53.6397.911.99.100.911
\$60,000.00	199.51.6257.911.99.288.911	199.53.6299.911.99.100.911

**Summary or Program**

Funds allocated in Function 51 will be better utilized under Function 53 to comply with HB18 and for professional services.

**Justification (Reason for request, consequences of non-approval, etc.)**

HB 18 compliance: Relating to the protection of minors from harmful, deceptive, or unfair trade practices in connection with the use of certain digital services and electronic devices, including the use and transfer of electronic devices to students by a public school.

**District Improvement Plan Objective/Goal:** III DESTINATION DISTRICT - El Paso ISD solidifies its position as El Paso's destination district.

APPROVED BY: Marta Carmona (Appropriate Associate/Assistant Superintendent) 05/10/2024 (Date)



<b>FOR OFFICE USE ONLY</b>	
Reviewed by:	<u>[Signature]</u>
Date:	<u>5.17.27</u>

**DEPARTMENT BUDGET AMENDMENT REQUEST**

TO: Executive Director of Budget & External Financial Management  
 FROM: Dr. Carla Gonzales - 803 ROTC Programs  
 DATE: 05/02/24 3:16 PM  
 SUBJECT: Budget Amendment Request for Fund 199

Pursuant to Board Policy CE (LOCAL) – Annual Operating Budget, the Board of Trustees, shall amend the budget when a change is made, increasing any one of the functional spending categories or increasing revenue object accounts and other resources.

I am requesting a transfer of funds between functions. I understand that this request will require approval by the Board of Trustees based on Board Policy CE (LOCAL).

<b>Amount</b>	<b>From Account</b>	<b>To Account</b>
\$2,138.00	199.36.6117.803.99.365.803	199.33.6117.803.99.365.803
\$29.00	199.36.6117.803.99.365.803	199.33.6141.803.99.365.803
\$71.00	199.36.6117.803.99.365.803	199.33.6146.803.99.365.803
\$17.00	199.36.6117.803.99.365.803	199.33.6148.803.99.365.803
\$25.00	199.36.6117.803.99.365.803	199.33.6149.803.99.365.803
<b><u>\$2,280.00</u></b>		

**Summary or Program**

Funds in Function 36 will not be utilized and are needed in Function 33 for nurse coverage during the JROTC JCLC Intersession Camp

**Justification (Reason for request, consequences of non-approval, etc.)**

The campus needs to allocate funds to cover Intersession pay for nurses to include fringe benefits for the JCLC Camp during Intersession.

**District Improvement Plan Objective/Goal:** II ACADEMIC EXCELLENCE - El Paso ISD empowers all learners to excel in current and future pursuits.

APPROVED BY: Dr. Carla Gonzales  
 (Appropriate Associate/Assistant Superintendent)

05/02/24  
 (Date)



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

**TITLE:**  
*Approval of Budget Amendment to Account for Proceeds Related to the Sale of District Properties During the Current Fiscal Year (Unreserved/Undesignated Fund Balance - \$82,580.00)*

**JUSTIFICATION STATEMENT:**  
(Amendment will provide adequate funding for District operations)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Martha Aguirre/Gloria De Leon

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**  
*Strategic Lever IV: Culture of Accountability - El Paso ISD cultivates a culture of transparency, care, and service.*

**SUMMARY:**  
Pursuant to Board Policy CE (Local) – Annual Operating Budget, the Board shall amend the budget when a change is made increasing any one of the functional spending categories or increasing revenue object accounts and other resources.

The budget amendment presented is to account for revenue related to the sale of properties during the 2024-2025 fiscal year. The sale proceeds will be allotted to the District’s Unreserved/Undesignated Fund Balance in the amount of \$82,580.00. (Fund 199)

**ADMINISTRATIVE RECOMMENDATION/MOTION:**  
It is recommended that the Board of Trustees approve the request and amend the 2023-2024 fiscal year budget in the amount of \$82,580.00 to Unreserved/Undesignated Fund Balance.

<b>FUNDING SOURCE:</b>	Unreserved/Undesignated Fund Balance	<b>ACCOUNT NO.:</b>	199.00.7912.000.00.000.000/199.00.3600.000.00.000.000
------------------------	--------------------------------------	---------------------	---

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$82,850.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**  
The revenue for the sale of properties during the fiscal year will not be reflected correctly in the year-end financial statements.

**IMPLEMENTATION TIMELINE:** Upon Approval

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

▫ Budget Amendment - Sale of Properties Revenue

## Budget Amendment - Property Sales - 06.20.2024

TO/FROM	FUND	FUNCTION/CLASS OBJECT	AMOUNT
<b>FROM</b>			
	<b>GENERAL OPERATING - FUND 199</b>		
		00.7912 - SALE OF PROPERTY	\$ 82,580
			<u>\$ 82,580</u>
<hr/>			
	<b>GENERAL OPERATING FUND - 199</b>		
		00.3600 - UNRESERVED/UNDESIGNATED FUND BALANCE	\$ 82,580
			<u>\$ 82,580</u>
		<b>FUND 199 - GENERAL OPERATING FUND</b>	<b>\$ 82,580</b>

### AMENDMENT BY LOCATION

Districtwide - 000		\$	82,580
<b>TOTAL</b>		<b>\$</b>	<b><u>82,580</u></b>



**BUDGET & EXTERNAL  
FINANCIAL MANAGEMENT**

EL PASO ISD  
it starts **with us**

**FOR OFFICE USE ONLY**

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_

**DEPARTMENT BUDGET AMENDMENT REQUEST**

TO: Executive Director of Budget & External Financial Management  
FROM: Walt Byers - 736 Treasury Services  
DATE: 06/10/24 8:51 AM  
SUBJECT: Budget Amendment Request for Fund 199

Pursuant to Board Policy CE (LOCAL) – Annual Operating Budget, the Board of Trustees, shall amend the budget when a change is made, increasing any one of the functional spending categories or increasing revenue object accounts and other resources.

I am requesting a transfer of funds between functions. I understand that this request will require approval by the Board of Trustees based on Board Policy CE (LOCAL).

<b>Amount</b>	<b>Account</b>	<b>Account</b>
\$82,580	199.00.3600.000.00.000.000	199.00.7912.000.00.000.000

**Summary or Program**

This budget amendment is needed to properly record the total amount of property sales.

**Justification (Reason for request, consequences of non-approval, etc.)**

The amendment will properly record the sale of property in the year-end financial statement.

**District Improvement Plan Objective/Goal:** IV CULTURE OF ACCOUNTABILITY - El Paso ISD cultivates a culture of transparency, care, and service.

APPROVED BY: Martha Aguirre \_\_\_\_\_ (Date)  
(Appropriate Associate/Assistant Superintendent)



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Adoption of Proposed Revisions to Board Policy CQB (Local) - Technology Resources: Cybersecurity*

**JUSTIFICATION STATEMENT:**

(To revise policy verbiage to align with recommendations by the Texas Association of School Boards in Update 122)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** Manny Verduzco, Assistant Superintendent Information Security and Technology

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

Administration recommends revisions to Board Policy CQB (Local) - Technology Resources: Cybersecurity. The proposed changes will align to the Texas Association of School Boards (TASB) Localized Policy Manual Update 122.

Based on the new notification requirements imposed by SB271, the security breach notification provisions have been revised to include security incidents. The revisions in the security breach notification provisions, now inclusive of security incidents, mark a crucial step forward in strengthening our approach to safeguarding sensitive information and mitigating risks effectively.

The proposed revisions to this policy were reviewed and approved by Executive Cabinet on May 16, 2024.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board adopt the proposed revisions to Board Policy CQB (Local) - Technology Resources: Cybersecurity, as presented.

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Immediate

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ CQB Local-TASB Update 122 Memo
- ▢ CQB LOCAL TASB UPDATE 122-A
- ▢ CQB Legal



EL PASO INDEPENDENT  
SCHOOL DISTRICT

---

**TO:** Caryn Gonzalez, Coordinator  
Policy & Special Projects

**FROM:** Manny Verduzco, Assistant Superintendent  
Information Security & Technology

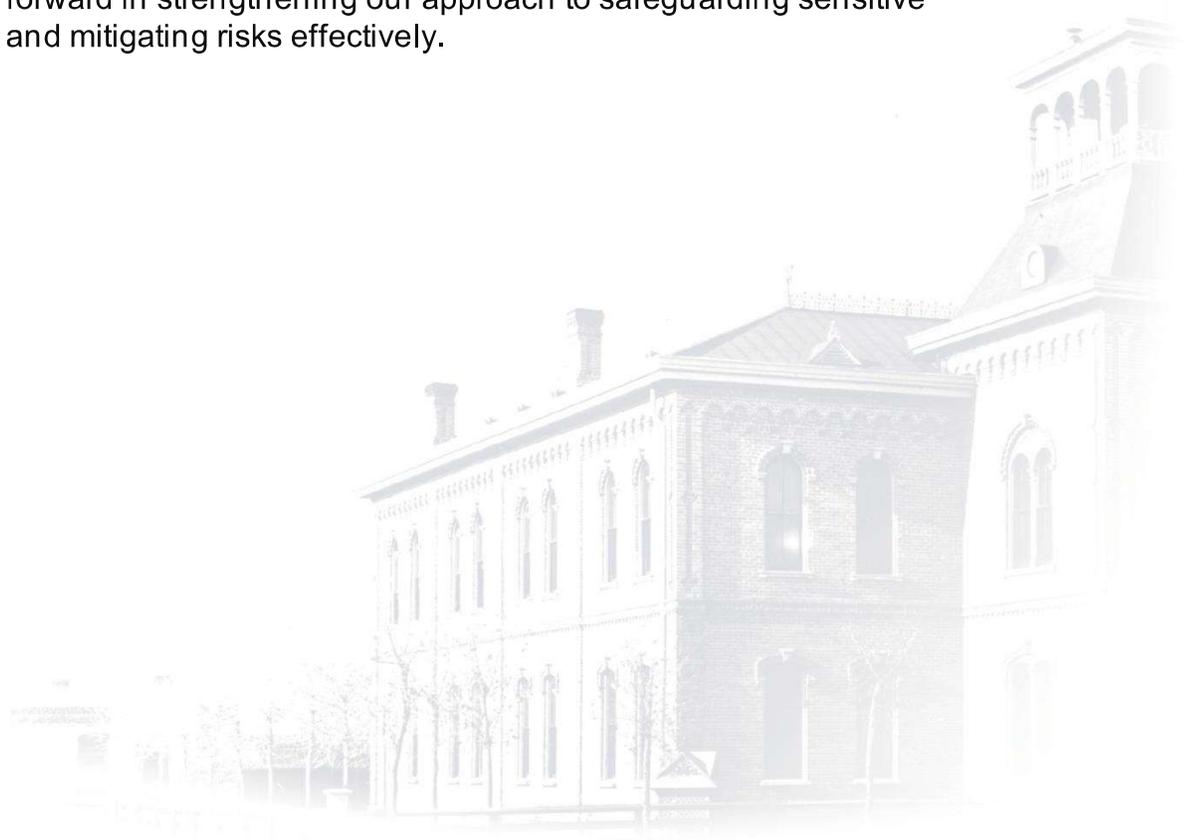
**DATE:** April 15, 2024

**SUBJECT:** CQB LOCAL -TASB UPDATE 122



Information Security & Technology (IST) formally acknowledge and accepts the recommended changes put forth by the Texas Association of School Boards (TASB). After thorough review, IST believes that these changes align with our organizational goals and will contribute positively to our operations.

Based on the new notification requirements imposed by SB 271, the security breach notification provisions have been revised to include security incidents. The revisions in the security breach notification provisions, now inclusive of security incidents, mark a crucial step forward in strengthening our approach to safeguarding sensitive information and mitigating risks effectively.



**Plan** The District shall develop a cybersecurity plan to secure the District's cyberinfrastructure against a cyberattack or any other cybersecurity incidents, determine cybersecurity risk, and implement appropriate mitigation planning.

**Coordinator** The Superintendent shall designate a cybersecurity coordinator. The cybersecurity coordinator shall serve as the liaison between the District and the Texas Education Agency in cybersecurity matters.

**Training** The Board delegates to the Superintendent the authority to:

1. Determine the cybersecurity training program to be used in the District;
2. Verify and report compliance with training requirements in accordance with guidance from the Department of Information Resources; and
3. Remove access to the District's computer systems and databases for noncompliance with training requirements as appropriate.

The District shall complete periodic audits to ensure compliance with the cybersecurity training requirements.

**Security Breach Notifications** Upon discovering or receiving notification of a breach of system security **OR A SECURITY INCIDENT, AS DEFINED BY LAW**, the District shall disclose the breach **OR INCIDENT** to affected persons or entities in accordance with the time frames established by law. The District shall give notice by using one or more of the following methods:

1. Written notice.
2. Email, if the District has email addresses for the affected persons.
3. Conspicuous posting on the District's websites.
4. Publication through broadcast media.

The District shall disclose a breach **OR INCIDENT** involving sensitive, protected, or confidential student information as required by law.

**Cybersecurity**

Policy

Each district shall adopt a cybersecurity policy to:

1. Secure district cyberinfrastructure against cyber attacks and other cybersecurity incidents; and
2. Determine cybersecurity risk and implement mitigation planning.

A district's cybersecurity policy may not conflict with the information security standards for institutions of higher education adopted by the Department of Information Resources (DIR) under Government Code Chapters 2054 and 2059.

Cybersecurity  
Coordinator

The superintendent shall designate a cybersecurity coordinator to serve as a liaison between the district and the Texas Education Agency (TEA) in cybersecurity matters.

Cyber Attack or  
Cybersecurity  
Incident

*Report to TEA*

A district shall report to TEA or, if applicable, the entity that administers the system established by TEA in coordination with DIR under Education Code 11.175(g), any cyber attack or other cybersecurity incident against the district's cyberinfrastructure that constitutes a breach of system security as soon as practicable after the discovery of the attack or incident.

*Report to Parent*

The district's cybersecurity coordinator shall provide notice to a parent of or person standing in parental relation to a student enrolled in the district of an attack or incident for which a report is required to TEA involving the student's information.

Definitions

*Breach of System  
Security*

"Breach of system security" means an incident in which student information that is sensitive, protected, or confidential, as provided by state or federal law, is stolen or copied, transmitted, viewed, or used by a person unauthorized to engage in that action.

*Cyber Attack*

"Cyber attack" means an attempt to damage, disrupt, or gain unauthorized access to a computer, computer network, or computer system.

*Cybersecurity*

"Cybersecurity" means the measures taken to protect a computer, computer network, or computer system against unauthorized use or access.

*Education Code 11.175(a)-(f)*

Training

*Requirements*

At least once each year, a district shall:

1. Identify district employees and elected and appointed board members who have access to a district computer system or database and use a computer to perform at least 25 percent of the employee's or board member's required duties; and

2. Require the employees and board members identified under item 1 to complete a cybersecurity training program certified under Government Code 2054.519 (state-certified cybersecurity training programs).

*Gov't Code 2054.5191(a-1)*

Notwithstanding Government Code 2054.5191 above, only the district's cybersecurity coordinator is required to complete the cybersecurity training on an annual basis. Any other school district employee required to complete the cybersecurity training shall complete the training as determined by the district, in consultation with the district's cybersecurity coordinator. *Education Code 11.175(h-1)*

*Denial of Access*

The board or the board's designee may deny access to the district's computer system or database to an individual described by item 1 above who the board or the board's designee determines is noncompliant with the requirements of item 2. *Gov't Code 2054.5191(a-2)*

*Exceptions*

The requirements above do not apply to employees and board members who have been:

1. Granted military leave;
2. Granted leave under the federal Family and Medical Leave Act of 1993 (29 U.S.C. Section 2601 et seq.);
3. Granted leave related to a sickness or disability covered by workers' compensation benefits, if that employee no longer has access to the district's database and systems;
4. Granted any other type of extended leave or authorization to work from an alternative work site if that employee no longer has access to the district's database and systems; or
5. Denied access to a district's computer system or database by the board or the board's designee for noncompliance with the requirements of item 2 at Training, Requirements, above.

*Gov't Code 2054.5191(f)*

*Program*

The board may select the most appropriate state-certified cybersecurity training program for employees and board members of the district to complete. The board shall:

1. Verify and report on the completion of a cybersecurity training program by district employees and board members to the DIR; and

2. Require periodic audits to ensure compliance with these provisions.

*Gov't Code 2054.5191(b)*

**Security Breach  
Notification**

To Individuals

A district that owns, licenses, or maintains computerized data that includes sensitive personal information shall disclose any breach of system security, after discovering or receiving notification of the breach, to any individual whose sensitive personal information was, or is reasonably believed to have been, acquired by an unauthorized person. The disclosure shall be made without unreasonable delay and in each case not later than the 60th day after the date on which the district determines that the breach occurred, except as provided at Criminal Investigation Exception, below, or as necessary to determine the scope of the breach and restore the reasonable integrity of the data system.

*Resident of Other  
State*

If the individual whose sensitive personal information was or is reasonably believed to have been acquired by an unauthorized person is a resident of a state that requires a person that owns or licenses computerized data to provide notice of a breach of system security, the notice of the breach of system security required under Notice, below, may be provided under that state's law or under Notice, below.

To the Owner or  
License Holder

A district that maintains computerized data that includes sensitive personal information not owned by the district shall notify the owner or license holder of the information of any breach of system security immediately after discovering the breach, if the sensitive personal information was, or is reasonably believed to have been, acquired by an unauthorized person.

Notice

A district may give the required notice to individuals or the owner or license holder by providing:

1. Written notice at the last known address of the individual;
2. Electronic notice, if the notice is provided in accordance with 15 U.S.C. Section 7001 (electronic records and signatures);  
or
3. If the district demonstrates that the cost of providing notice would exceed \$250,000, the number of affected persons exceeds 500,000, or the district does not have sufficient contact information, by:
  - a. Electronic mail, if the district has electronic mail addresses for the affected persons;

- b. Conspicuous posting of the notice on the district's website; or
- c. Notice published in or broadcast on major statewide media.

*Information  
Security Policy*

A district that maintains its own notification procedures as part of an information security policy for the treatment of sensitive personal information that complies with the timing requirements for notice described above complies with the notice requirements if the district notifies affected persons in accordance with that policy.

To the Attorney  
General

A district that is required to disclose or provide notification of a breach of system security under these provisions shall notify the attorney general of that breach as soon as practicable and not later than the 30th day after the date on which the district determines that the breach occurred if the breach involves at least 250 residents of this state. The notification must be submitted electronically using a form accessed through the attorney general's internet website and must include:

1. A detailed description of the nature and circumstances of the breach or the use of sensitive personal information acquired as a result of the breach;
2. The number of residents of this state affected by the breach at the time of notification;
3. The number of affected residents that have been sent a disclosure of the breach by mail or other direct method of communication at the time of notification;
4. The measures taken by the district regarding the breach;
5. Any measures the district intends to take regarding the breach after the notification described at Notice, above; and
6. Information regarding whether law enforcement is engaged in investigating the breach.

To a Consumer  
Reporting Agency

If a district is required to notify at one time more than 10,000 persons of a breach of system security, the district shall also notify each consumer reporting agency, as defined by 15 U.S.C. 1681a, that maintains files on consumers on a nationwide basis, of the timing, distribution, and content of the notices. The district shall provide the notice without unreasonable delay.

Criminal  
Investigation  
Exception

A district may delay providing the required notice to individuals or the owner or license holder at the request of a law enforcement agency that determines that the notification will impede a criminal investigation. The notification shall be made as soon as the law en-

forcement agency determines that the notification will not compromise the investigation.

*Business and Commerce Code 521.053; Local Gov't Code 205.010*

Definitions

For purposes of security breach notifications, the following definitions apply:

*Breach of System Security*

“Breach of system security” means unauthorized acquisition of computerized data that compromises the security, confidentiality, or integrity of sensitive personal information maintained by a person, including data that is encrypted if the person accessing the data has the key required to decrypt the data. Good faith acquisition of sensitive personal information by an employee or agent of the person for the purposes of the person is not a breach of system security unless the person uses or discloses the sensitive personal information in an unauthorized manner. *Business and Commerce Code 521.053(a)*

*Sensitive Personal Information*

“Sensitive personal information” means:

1. An individual’s first name or first initial and last name in combination with any one or more of the following items, if the name and the items are not encrypted:
  - a. Social security number;
  - b. Driver’s license number or government-issued identification number; or
  - c. Account number or credit or debit card number in combination with any required security code, access code, or password that would permit access to an individual’s financial account; or
2. Information that identifies an individual and relates to:
  - a. The physical or mental health or condition of the individual;
  - b. The provision of health care to the individual; or
  - c. Payment for the provision of health-care to the individual.

“Sensitive personal information” does not include publicly available information that is lawfully made available to the public from the federal government or a state or local government.

*Business and Commerce Code 521.002(a)(2), (b)*

**Security Incident  
Notification**

“Security incident” means a breach or suspected breach of system security as defined by Business and Commerce Code 521.053, above, and the introduction of ransomware, as defined by Penal Code 33.023 into a computer, computer network, or computer system.

“Sensitive personal information” has the meaning assigned by Business and Commerce Code 521.002, above.

A district that owns, licenses, or maintains computerized data that includes sensitive personal information, confidential information, or information the disclosure of which is regulated by law shall, in the event of a security incident:

1. Comply with the notification requirements of Business and Commerce Code 521.053 [see Security Breach Notification, above];
2. Not later than 48 hours after the discovery of the security incident, notify:
  - a. DIR, including the chief information security officer; or
  - b. If the security incident involves election data, the secretary of state; and
3. Comply with all DIR rules relating to reporting security incidents.

Not later than the 10th business day after the date of the eradication, closure, and recovery from a security incident, a district shall notify DIR, including the chief information security officer, of the details of the security incident and include in the notification an analysis of the cause of the security incident.

*Gov't Code 2054.603*

**Cybersecurity  
Information Sharing  
Act**

A district may, for a cybersecurity purpose and consistent with the protection of classified information, share with, or receive from, any other non-federal entity or the federal government a cyber threat indicator or defensive measure in accordance with the Cybersecurity Information Sharing Act, 6 U.S.C. Subchapter I (sections 1501-1510). *6 U.S.C. 1503(c)*

Removal of  
Personal  
Information

A district sharing a cyber threat indicator pursuant to these provisions shall, prior to sharing:

1. Review such indicator to assess whether it contains any information not directly related to a cybersecurity threat that the district knows at the time of sharing to be personal information

of a specific individual or information that identifies a specific individual and remove such information; or

2. Implement and utilize a technical capability configured to remove any information not directly related to a cybersecurity threat that the district knows at the time of sharing to be personal information of a specific individual or information that identifies a specific individual.

*6 U.S.C. 1503(d)(2)*

Definitions

For purposes of the Cybersecurity Information Sharing Act, the following definitions apply:

*Cybersecurity Purpose*

“Cybersecurity purpose” means the purpose of protecting an information system or information that is stored on, processed by, or transiting an information system from a cybersecurity threat or security vulnerability. *6 U.S.C. 1501(4)*

*Cybersecurity Threat*

“Cybersecurity threat” means an action, not protected by the First Amendment to the United States Constitution, on or through an information system that may result in an unauthorized effort to adversely impact the security, availability, confidentiality, or integrity of an information system or information that is stored on, processed by, or transiting an information system. The term does not include any action that solely involves a violation of a consumer term of service or a consumer licensing agreement. *6 U.S.C. 1501(5)*

*Cyber Threat Indicator*

“Cyber threat indicator” means information that is necessary to describe or identify:

1. Malicious reconnaissance, as defined in 6 U.S.C. 1501(12), including anomalous patterns of communications that appear to be transmitted for the purpose of gathering technical information related to a cybersecurity threat or security vulnerability;
2. A method of defeating a security control or exploitation of a security vulnerability;
3. A security vulnerability, including anomalous activity that appears to indicate the existence of a security vulnerability;
4. A method of causing a user with legitimate access to an information system or information that is stored on, processed by, or transiting an information system to unwittingly enable the defeat of a security control or exploitation of a security vulnerability;

5. Malicious cyber command and control, as defined in 6 U.S.C. 1501(11);
6. The actual or potential harm caused by an incident, including a description of the information exfiltrated as a result of a particular cybersecurity threat;
7. Any other attribute of a cybersecurity threat, if disclosure of such attribute is not otherwise prohibited by law; or
8. Any combination thereof.

*6 U.S.C. 1501(6)*

*Defensive Measure*

“Defensive measure” means an action, device, procedure, signature, technique, or other measure applied to an information system or information that is stored on, processed by, or transiting an information system that detects, prevents, or mitigates a known or suspected cybersecurity threat or security vulnerability. The term does not include a measure that destroys, renders unusable, provides unauthorized access to, or substantially harms an information system or information stored on, processed by, or transiting such information system not owned by the private entity operating the measure or another entity that is authorized to provide consent and has provided consent to that private entity for operation of such measure. *6 U.S.C. 1501(7)*

*Information System*

“Information system” has the meaning given the term in 44 U.S.C. 3502 and includes industrial control systems, such as supervisory control and data acquisition systems, distributed control systems, and programmable logic controllers. *6 U.S.C. 1501(9)*

*Security Control*

“Security control” means the management, operational, and technical controls used to protect against an unauthorized effort to adversely affect the confidentiality, integrity, and availability of an information system or its information. *6 U.S.C. 1501(16)*

*Security Vulnerability*

“Security vulnerability” means any attribute of hardware, software, process, or procedure that could enable or facilitate the defeat of a security control. *6 U.S.C. 1501(17)*



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Adoption of Proposed Revisions to Board Policy CFB (Local) - Accounting: Inventories*

**JUSTIFICATION STATEMENT:**

(To revise policy language for alignment to Government Accounting Standards Board (GASB) No. 87 and 96)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** Martha Aguirre/Maria D. Alonso

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever IV: Culture of Accountability - El Paso ISD cultivates a culture of transparency, care, and service.*

**SUMMARY:**

Administration is recommending revisions to Board Policy CFB(Local) - Accounting: Inventories. The proposed revisions to the policy are in response to an audit recommendation to align District practices with Governmental Auditing Standards Board (GASB) Statements No. 87 (Leases) and No. 96 (Subscription-Based Information Technology Arrangements - SBITAs).

The District's financial statements are prepared in accordance with Generally Accepted Accounting Principles (GAAP), which require disclosures in the Notes to the Financial Statements, specifically under the significant accounting policies section. Leases and SBITAs are considered capital assets, their criteria follow the guidelines of GASB 87 and GASB 96, respectively.

The GASB Statements provide flexibility for the District to establish a capitalization threshold. To comply with GASB, the following criteria is proposed: Leases and/or SBITAs valued at \$25,000 or more will be recorded as a liability on the District's financial statements. This \$25,000 threshold is applied in the aggregate for the term of the contract/agreement for any lease or SBITA. SBITAs refer to District-wide software or subscriptions.

This modification ensures that our policies are in compliance with auditing standards and reflects our commitment to accurate financial reporting. The proposed revisions were reviewed and approved by the Strategic Planning Leadership Committee on June 12, 2024, and by Executive Cabinet on June 13, 2024.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board adopt the proposed revisions to Board Policy CFB (Local) - Accounting: Inventories, as presented.

**FUNDING SOURCE:** NA **ACCOUNT NO.:** NA

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** NA
- **FUTURE/ONGOING:** NA

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** NA

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Immediately

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ Policy CFB (LOCAL) - Accounting Inventories
- ▢ Policy CFB (LEGAL) - Accounting Inventories

CAPITALIZATION  
THRESHOLD

The capitalization threshold for purposes of classifying capital assets shall be \$5,000.

**THE CAPITALIZATION THRESHOLD FOR PURPOSES OF CLASSIFYING SUBSCRIPTION-BASED INFORMATION TECHNOLOGY ARRANGEMENTS (SBITAS) SHALL BE \$25,000.**

**THE CAPITALIZATION THRESHOLD FOR PURPOSES OF CLASSIFYING LEASE AGREEMENTS SHALL BE \$25,000.**

DRAFT

In order to provide accurate information for the annual audit of the district's fiscal accounts, a district shall maintain inventories of its assets as recommended and directed by the *Financial Accountability System Resource Guide. 19 TAC 109.1(a), .41, .5001*

[For requirements for federally owned property or property acquired with federal funds, see CBB(LEGAL).]



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Low Attendance School Day Waiver from Texas Education Agency for Andress High School*

**JUSTIFICATION STATEMENT:**

(To submit a waiver to the Texas Education Agency for Andress High School for May 21, 2024)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** Cheryl Felder, Executive Director Student and Parent Services

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever IV: Culture of Accountability - El Paso ISD cultivates a culture of transparency, care, and service.*

**SUMMARY:**

The Texas Education Agency requires all regular school campuses to report student attendance along with any applicable waivers for a minimum total of 75,600 operational minutes per school year. Pursuant to the Student Attendance Accounting Handbook, districts may apply for a waiver to recover missed minutes due to inclement weather, health, or safety-related issues.

On May 21, 2024, parents and students were notified that classes at Andress High School would be cancelled for that day to allow for inspection and repair of the air conditioning. The cancellation was due to a rupture in the connection point of a chill water pipe, which caused the temperature in the school to exceed safe occupancy conditions.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the waiver request for Andress High School to remove May 21, 2024, from the Average Daily Attendance and Foundation School Program funding calculations, as presented.

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description



# **TEA - Low Attendance days 23-24**

- Date of Board Approval
- Campus(es) impacted (*select "All Campuses" if applying for the entire district*)
- Reason for Missed School Day(s) (*Weather, Health, Safety, or Other*)
- Date of Missed School Day(s)
- Certification of Board-adopted 180 instructional day calendar for the current school year
- Explanation of Reason for Missed School Day(s)



### Supporting Documentation (submitted with waiver application):

- Board agenda from meeting at which the waiver application request was approved
- Documentation for the reason for missed school day(s) (*Supporting documentation may be news articles, letter to parents, information shared with the Board or district, etc. to specify what the weather/health/safety issue was*)
- Submission of evidence of a board-approved 180-day calendar via a survey that will open in fall of each year in order to be eligible for the ADSY waiver (*must be submitted prior to applying for the waiver*). The 2023-2024 [survey](#) launched via a "To the Administrator Addressed" letter issued on August 3, 2023.



### Resources:

- [Student Attendance Accounting Handbook](#)
  - Section 11.5 Additional Days School Year (ADSY)
  - Section 11.5.1 ADSY Program Design
- [Texas Education Code §48.0051 \(Incentive for Additional Instructional Days\)](#)

## Low Attendance Day(s) Waiver

For a day when school was held but attendance was at least 10 percentage points below the overall average attendance rate for your district or the applicable campus for the prior year because of inclement weather\*-related, health, or safety issues, your district may apply for a waiver to have the day excluded from ADA and FSP funding calculations. (*\*Unusually cold or hot weather, alone, does not constitute an inclement weather-related issue.*)



### Things to Consider:

- The number of minutes requested for a low attendance day must be equivalent to the number of minutes a district/campus operated on that day. (*If the number of minutes of*

*operation varies by campus on the date of low attendance for "All Campuses", please report the greatest number of minutes on the date of low attendance in the "Number of Min on the Low Attendance Day." Please note that in PEIMS you will claim the actual number of minutes in operation on the specific date by campus.)*

- For a district or campus with multiple tracks, the overall average attendance rate for all tracks must be used. For a campus that existed as two separate campuses the prior year, the overall average attendance rate for the district as a whole must be used.
- When determining if the 10-percentage point threshold is met, *district* attendance rates must be compared to the *district's* prior year average, whereas *campus* attendance rates must be compared to the applicable *campus'* prior year average. (For a new campus or a campus that existed as two separate campuses the prior year, the overall average attendance rate for the district as a whole must be used.)
- The maximum total number of minutes waived per academic year may not exceed 4,200. (*This includes low attendance day, missed school day, staff development, and any other minute-related waivers.*)
- The agency does not grant waivers for low attendance on a makeup day.
- The agency does not round attendance rates when determining the 10-percentage point difference.
- If a waiver is granted, your district should not include the day exempted as a day of membership or instruction. Treat the day as a non-school day in your district's student attendance accounting system, and do not report the day as a school day in your district's TSDS PEIMS reporting.
- Local education agencies are responsible for submitting current, complete, and accurate data required for each PEIMS and TSDS collection. Each person entering data into the attendance accounting system must attest that the data he or she has entered are true and correct to the best of his or her knowledge. The superintendent must affirm that he or she has taken measures to verify the accuracy and authenticity of the attendance data (see SAAH, Section 3.1 Responsibility).
- **Low Attendance Day(s) Waivers are due by the end of July for the current school year. See the [State Waivers webpage](#) for specific dates.**



#### **Required Information (entered on waiver application):**

- LEA Contact (*First Name, Last Name, Phone, Email*)
- Date of Board Approval
- Campus(es) impacted (*select "All Campuses" if applying for the entire district*)
- Reason for Low Attendance (*Weather, Health, Safety, or Other*)

**SAAH 3.8.2 - pgs 76-77 (23-24)**

**Staff development waiver minutes/days may not be used prior to the first day of student instruction or after the last day of student instruction.** On staff development days when students are in attendance part of the day, the district or open-enrollment charter school must provide at least 120 minutes of student instruction to receive full ADA funding. In addition to the 120 minutes of student instruction, any staff development waiver minutes reported must reflect actual staff development minutes provided.

**Note: Districts or charter schools must demonstrate that they are providing high quality staff development that will impact student outcomes.**

### **3.8.1.6 Documenting Waiver Approval, Attendance Accounting for Missed School Days or Low-Attendance Days**

To determine if a requested missed school day or low-attendance day waiver has been granted and to create a record that a request was approved, district staff members must visit the TEA Waivers Online Report page at <https://tealprod.tea.state.tx.us/WaiversReports/Tea.WaiversReports.Web/> and generate and print a report of the waiver request's status. (TEA will not send a letter notifying your district of approval for these waivers.) Your district must retain documentation of waiver approval for five years for audit purposes.

If TEA grants your school district a waiver for a missed school day or a low-attendance day (a waiver approving a shortened calendar), your district should not include the day exempted as a day of membership or instruction. Treat the day as a nonschool day in your district's student attendance accounting system, and report the day with a CALENDAR-WAIVER-EVENT-TYPE-CODE (E1570) in your district's TSDS PEIMS reporting.

### **3.8.1.7 Waivers Related to Students Taking Dual Credit Courses at Institutions of Higher Education (IHEs) with Calendars of Fewer than 75,600 Minutes**

If district students are taking dual credit courses at an IHE with a calendar of fewer than 75,600 minutes, including intermissions and recesses, your district may apply for a waiver of the 75,600 minute calendar requirement. Submit requests for a waiver using TEA's automated waiver application system, which is available in TEAL. See [11.3.1.2 Reporting Dual Credit Attendance in TSDS PEIMS When the Higher Education Calendar Is Shorter Than the School District Calendar](#) for information on how to report the attendance of dual credit students.

### **3.8.1.8 Waivers Related to Students Taking Dual Credit Courses at IHEs with Calendars Beginning before the Fourth Monday in August**

If early college high school (ECHS), P-TECH, Industry Cluster Innovative Academy (ICIA), or Texas Science, Technology, Engineering, and Math (T-STEM) students and students take dual credit courses at an IHE with a calendar that begins before the fourth Monday in August, your district may apply for a waiver of the start date requirement. Submit requests for a waiver using TEA's automated waiver application system, which is available in TEAL.

## ***3.8.2 Closures for Bad Weather or Other Issues of Health or Safety***

The following table provides information on what actions to take in certain situations related to school closure for bad weather or other issues of student health or safety.

Situation	Agency Policy
<p>Our school district or charter school closed some or all campuses for one day for a health or safety reason (for example, an ice storm made roads dangerous).</p>	<p>Determine if your district, charter school, or affected campuses will have enough minutes built into the board-approved calendar to make up for the missed day. If not, use one of your district’s or charter school’s scheduled makeup days to make up the missed day or add minutes to your instructional days to make up the minutes. Show the day that schools were closed as a holiday or other nonschool day in your district’s or charter school’s student attendance accounting software calendar so that the day is not reported to TSDS PEIMS.</p> <p><b>Additionally, for charter schools:</b> Ensure that a charter school’s student attendance accounting software calendar is adjusted, per the above policy, prior to generating and submitting the Six-Week District Summary Attendance report in the FSP System.</p>
<p>Our school district or charter school closed all campuses for two days for a health or safety reason (for example, an ice storm made roads dangerous).</p>	<p>Determine if your district or charter school will have enough minutes built into the board-approved calendar to make up for the missed days. If not, use your district’s or charter school’s two scheduled makeup days to make up the missed days or add minutes to your instructional days to make up the minutes. Show the days that schools were closed as holidays or other nonschool days in your district’s or charter school’s student attendance accounting software calendar so that the days are not reported to TSDS PEIMS.</p> <p><b>Additionally, for charter schools:</b> Ensure that a charter school’s student attendance accounting software calendar is adjusted, per the above policy, prior to generating and submitting the Six-Week District Summary Attendance report in the FSP System.</p>

# **FEB (Legal)**

---

**Note:** Additional information regarding attendance accounting requirements is found in the Texas Education Agency's (TEA) [Student Attendance and Accounting Handbook](#).<sup>1</sup>

---

**Uniform Accounting System**

Each district shall use a uniform accounting system adopted by the commissioner for the data required to be reported for the Public Education Information Management System. *Education Code 48.008(b)*

**Student Attendance Accounting Handbook**

The commissioner will annually establish student attendance accounting guidelines and procedures to be used by a district to maintain records and make reports on student attendance and student participation in special programs.

The standard procedures that a district must use to maintain records and make reports on student attendance and student participation in special programs are described in the official TEA publication *Student Attendance Accounting Handbook*. A copy of the *Student Attendance Accounting Handbook* is available on the TEA website with information related to financial compliance.

Data from previous school years will continue to be subject to the student attendance accounting handbook as the handbook existed in those years.

*19 TAC 129.1025*

**Incentive for Additional Instructional Days**

The commissioner shall adjust the average daily attendance of a district under Education Code 48.005 in the manner provided by Education Code 48.0051(b) if the district:

1. Provides the minimum number of minutes of operational and instructional time required under Education Code 25.081 and commissioner rules adopted under that section over at least 180 days of instruction; and
2. Offers an additional 30 days of half-day instruction for students enrolled in prekindergarten through fifth grade.

*Education Code 48.0051(a)*

**Funding for Off-Campus Programs**

Funding eligibility for a student participating in an off-campus program will include time instructed in the off-campus program. A campus may choose an alternate attendance-taking time for a group of students that is scheduled to be off-campus during the regular attendance-taking time. The alternate attendance-taking time will be in effect for the period of days or weeks for which the group is scheduled to be off-campus during the regular attendance-taking time (for example, for the semester or for the duration

of employment). This alternate attendance-taking time may not be changed once it is selected for a particular group of students. If attendance is taken at an off-campus location, the district must ensure that attendance is taken in accordance with the *Student Attendance Accounting Handbook*.

For a district to receive FSP funding for a student participating in an off-campus program, the district must have documentation of an agreement between the district and the college.

*19 TAC 129.1031(c)-(d)* [See EHDD]

[For information regarding funding for courses taken with the Texas Virtual School Network, see EHDE.]

### **Disasters**

The commissioner may adjust the average daily attendance of a district all or part of which is located in an area declared a disaster area by the governor under Government Code Chapter 418 if the district experiences a decline in average daily attendance that is reasonably attributable to the impact of the disaster.

The commissioner may make the adjustment under this section for the two-year period following the date of the governor's initial proclamation or executive order declaring the state of disaster.

*Education Code 48.006(a), (c)*

---

<sup>1</sup> TEA *Student Attendance Accounting Handbook*: <https://tea.texas.gov/finance-and-grants/financial-compliance/student-attendance-accounting-handbook>



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Low Attendance School Day Waiver from Texas Education Agency for Chapin High School*

**JUSTIFICATION STATEMENT:**

(To submit a waiver to the Texas Education Agency for Chapin High School for January 12, 2024)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** Cheryl Felder, Executive Director Student and Parent Services and Vince Sheffield

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever IV: Culture of Accountability - El Paso ISD cultivates a culture of transparency, care, and service.*

**SUMMARY:**

The Texas Education Agency requires all regular school campuses to report student attendance along with any applicable waivers for a minimum total of 75,600 operational minutes per school year. Pursuant to the Student Attendance Accounting Handbook, districts may apply for a waiver when attendance drops by ten percent.

On the evening of January 11, 2024, a terroristic threat was posted on social media against Chapin High School. The post said that the threat would be carried out on Friday, January 12, 2024. Due to the threat, absences resulted in a 49.78 percent attendance rate for that day.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the waiver request for Chapin High School to remove January 12, 2024, from the Average Daily Attendance and Foundation School Program funding calculations, as presented.

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ Threat/Attendance
- ▢ TEA Guidance

Campus: Chapin High School

FY: 2024

Calendar: 1

### Campus Percentage of Attendance

For Dates: 01-12-2024 - 01-12-2024

Attendance Absence Group: All Absences

Date: 05/01/2024

Time: 2:42 PM

Page 1 of 3

Date: Jan. 12 2024 (Friday)											
Grade	Membership			Official Absences			Membership Minus Absences	Percentage of Attendance	Membership Minus Ineligible and ABS	ADM	ADA
	Membership	# Full Day Students	# Half Day Students	Total Absences	# Full Day Absences	# Half Day Absences					
09	557.0	557.0	0.0	311.0	311.0	0.0	246.0	44.17	246.0	557.0	246.0
10	482.0	482.0	0.0	251.0	251.0	0.0	231.0	47.93	231.0	482.0	231.0
11	410.0	410.0	0.0	192.0	192.0	0.0	218.0	53.18	218.0	410.0	218.0
12	325.0	325.0	0.0	137.0	137.0	0.0	188.0	57.85	187.0	325.0	187.0
<b>Total</b>	<b>1,774.0</b>	<b>1,774.0</b>	<b>0.0</b>	<b>891.0</b>	<b>891.0</b>	<b>0.0</b>	<b>883.0</b>	<b>49.78</b>	<b>882.0</b>	<b>1,774.0</b>	<b>882.0</b>

Date Range: 01-12-2024 - 01-12-2024 Number of Instructional Days 1											
Gender	Membership			Official Absences			Membership Minus Absences	Percentage of Attendance	Membership Minus Ineligible and ABS	ADM	ADA
	Membership	# Full Day Students	# Half Day Students	Total Absences	# Full Day Absences	# Half Day Absences					
F	806.0	806.0	0.0	415.0	415.0	0.0	391.0	48.52	391.0	806.0	391.0
M	968.0	968.0	0.0	476.0	476.0	0.0	492.0	50.83	491.0	968.0	491.0
<b>Total</b>	<b>1,774.0</b>	<b>1,774.0</b>	<b>0.0</b>	<b>891.0</b>	<b>891.0</b>	<b>0.0</b>	<b>883.0</b>	<b>49.78</b>	<b>882.0</b>	<b>1,774.0</b>	<b>882.0</b>

# **TEA - Low Attendance days 23-24**

- Date of Board Approval
- Campus(es) impacted (*select "All Campuses" if applying for the entire district*)
- Reason for Missed School Day(s) (*Weather, Health, Safety, or Other*)
- Date of Missed School Day(s)
- Certification of Board-adopted 180 instructional day calendar for the current school year
- Explanation of Reason for Missed School Day(s)



### Supporting Documentation (submitted with waiver application):

- Board agenda from meeting at which the waiver application request was approved
- Documentation for the reason for missed school day(s) (*Supporting documentation may be news articles, letter to parents, information shared with the Board or district, etc. to specify what the weather/health/safety issue was*)
- Submission of evidence of a board-approved 180-day calendar via a survey that will open in fall of each year in order to be eligible for the ADSY waiver (*must be submitted prior to applying for the waiver*). The 2023-2024 [survey](#) launched via a "To the Administrator Addressed" letter issued on August 3, 2023.



### Resources:

- [Student Attendance Accounting Handbook](#)
  - Section 11.5 Additional Days School Year (ADSY)
  - Section 11.5.1 ADSY Program Design
- [Texas Education Code §48.0051 \(Incentive for Additional Instructional Days\)](#)

## Low Attendance Day(s) Waiver

For a day when school was held but attendance was at least 10 percentage points below the overall average attendance rate for your district or the applicable campus for the prior year because of inclement weather\*-related, health, or safety issues, your district may apply for a waiver to have the day excluded from ADA and FSP funding calculations. (*\*Unusually cold or hot weather, alone, does not constitute an inclement weather-related issue.*)



### Things to Consider:

- The number of minutes requested for a low attendance day must be equivalent to the number of minutes a district/campus operated on that day. (*If the number of minutes of*

*operation varies by campus on the date of low attendance for "All Campuses", please report the greatest number of minutes on the date of low attendance in the "Number of Min on the Low Attendance Day." Please note that in PEIMS you will claim the actual number of minutes in operation on the specific date by campus.)*

- For a district or campus with multiple tracks, the overall average attendance rate for all tracks must be used. For a campus that existed as two separate campuses the prior year, the overall average attendance rate for the district as a whole must be used.
- When determining if the 10-percentage point threshold is met, *district* attendance rates must be compared to the *district's* prior year average, whereas *campus* attendance rates must be compared to the applicable *campus'* prior year average. (For a new campus or a campus that existed as two separate campuses the prior year, the overall average attendance rate for the district as a whole must be used.)
- The maximum total number of minutes waived per academic year may not exceed 4,200. (*This includes low attendance day, missed school day, staff development, and any other minute-related waivers.*)
- The agency does not grant waivers for low attendance on a makeup day.
- The agency does not round attendance rates when determining the 10-percentage point difference.
- If a waiver is granted, your district should not include the day exempted as a day of membership or instruction. Treat the day as a non-school day in your district's student attendance accounting system, and do not report the day as a school day in your district's TSDS PEIMS reporting.
- Local education agencies are responsible for submitting current, complete, and accurate data required for each PEIMS and TSDS collection. Each person entering data into the attendance accounting system must attest that the data he or she has entered are true and correct to the best of his or her knowledge. The superintendent must affirm that he or she has taken measures to verify the accuracy and authenticity of the attendance data (see SAAH, Section 3.1 Responsibility).
- **Low Attendance Day(s) Waivers are due by the end of July for the current school year. See the [State Waivers webpage](#) for specific dates.**



#### **Required Information (entered on waiver application):**

- LEA Contact (*First Name, Last Name, Phone, Email*)
- Date of Board Approval
- Campus(es) impacted (*select "All Campuses" if applying for the entire district*)
- Reason for Low Attendance (*Weather, Health, Safety, or Other*)

**SAAH 3.8.2 - pgs 76-77 (23-24)**

**Staff development waiver minutes/days may not be used prior to the first day of student instruction or after the last day of student instruction.** On staff development days when students are in attendance part of the day, the district or open-enrollment charter school must provide at least 120 minutes of student instruction to receive full ADA funding. In addition to the 120 minutes of student instruction, any staff development waiver minutes reported must reflect actual staff development minutes provided.

**Note: Districts or charter schools must demonstrate that they are providing high quality staff development that will impact student outcomes.**

### **3.8.1.6 Documenting Waiver Approval, Attendance Accounting for Missed School Days or Low-Attendance Days**

To determine if a requested missed school day or low-attendance day waiver has been granted and to create a record that a request was approved, district staff members must visit the TEA Waivers Online Report page at <https://tealprod.tea.state.tx.us/WaiversReports/Tea.WaiversReports.Web/> and generate and print a report of the waiver request's status. (TEA will not send a letter notifying your district of approval for these waivers.) Your district must retain documentation of waiver approval for five years for audit purposes.

If TEA grants your school district a waiver for a missed school day or a low-attendance day (a waiver approving a shortened calendar), your district should not include the day exempted as a day of membership or instruction. Treat the day as a nonschool day in your district's student attendance accounting system, and report the day with a CALENDAR-WAIVER-EVENT-TYPE-CODE (E1570) in your district's TSDS PEIMS reporting.

### **3.8.1.7 Waivers Related to Students Taking Dual Credit Courses at Institutions of Higher Education (IHEs) with Calendars of Fewer than 75,600 Minutes**

If district students are taking dual credit courses at an IHE with a calendar of fewer than 75,600 minutes, including intermissions and recesses, your district may apply for a waiver of the 75,600 minute calendar requirement. Submit requests for a waiver using TEA's automated waiver application system, which is available in TEAL. See [11.3.1.2 Reporting Dual Credit Attendance in TSDS PEIMS When the Higher Education Calendar Is Shorter Than the School District Calendar](#) for information on how to report the attendance of dual credit students.

### **3.8.1.8 Waivers Related to Students Taking Dual Credit Courses at IHEs with Calendars Beginning before the Fourth Monday in August**

If early college high school (ECHS), P-TECH, Industry Cluster Innovative Academy (ICIA), or Texas Science, Technology, Engineering, and Math (T-STEM) students and students take dual credit courses at an IHE with a calendar that begins before the fourth Monday in August, your district may apply for a waiver of the start date requirement. Submit requests for a waiver using TEA's automated waiver application system, which is available in TEAL.

## ***3.8.2 Closures for Bad Weather or Other Issues of Health or Safety***

The following table provides information on what actions to take in certain situations related to school closure for bad weather or other issues of student health or safety.

Situation	Agency Policy
<p>Our school district or charter school closed some or all campuses for one day for a health or safety reason (for example, an ice storm made roads dangerous).</p>	<p>Determine if your district, charter school, or affected campuses will have enough minutes built into the board-approved calendar to make up for the missed day. If not, use one of your district’s or charter school’s scheduled makeup days to make up the missed day or add minutes to your instructional days to make up the minutes. Show the day that schools were closed as a holiday or other nonschool day in your district’s or charter school’s student attendance accounting software calendar so that the day is not reported to TSDS PEIMS.</p> <p><b>Additionally, for charter schools:</b> Ensure that a charter school’s student attendance accounting software calendar is adjusted, per the above policy, prior to generating and submitting the Six-Week District Summary Attendance report in the FSP System.</p>
<p>Our school district or charter school closed all campuses for two days for a health or safety reason (for example, an ice storm made roads dangerous).</p>	<p>Determine if your district or charter school will have enough minutes built into the board-approved calendar to make up for the missed days. If not, use your district’s or charter school’s two scheduled makeup days to make up the missed days or add minutes to your instructional days to make up the minutes. Show the days that schools were closed as holidays or other nonschool days in your district’s or charter school’s student attendance accounting software calendar so that the days are not reported to TSDS PEIMS.</p> <p><b>Additionally, for charter schools:</b> Ensure that a charter school’s student attendance accounting software calendar is adjusted, per the above policy, prior to generating and submitting the Six-Week District Summary Attendance report in the FSP System.</p>

# **FEB (Legal)**

---

**Note:** Additional information regarding attendance accounting requirements is found in the Texas Education Agency's (TEA) [Student Attendance and Accounting Handbook](#).<sup>1</sup>

---

**Uniform Accounting System**

Each district shall use a uniform accounting system adopted by the commissioner for the data required to be reported for the Public Education Information Management System. *Education Code 48.008(b)*

**Student Attendance Accounting Handbook**

The commissioner will annually establish student attendance accounting guidelines and procedures to be used by a district to maintain records and make reports on student attendance and student participation in special programs.

The standard procedures that a district must use to maintain records and make reports on student attendance and student participation in special programs are described in the official TEA publication *Student Attendance Accounting Handbook*. A copy of the *Student Attendance Accounting Handbook* is available on the TEA website with information related to financial compliance.

Data from previous school years will continue to be subject to the student attendance accounting handbook as the handbook existed in those years.

*19 TAC 129.1025*

**Incentive for Additional Instructional Days**

The commissioner shall adjust the average daily attendance of a district under Education Code 48.005 in the manner provided by Education Code 48.0051(b) if the district:

1. Provides the minimum number of minutes of operational and instructional time required under Education Code 25.081 and commissioner rules adopted under that section over at least 180 days of instruction; and
2. Offers an additional 30 days of half-day instruction for students enrolled in prekindergarten through fifth grade.

*Education Code 48.0051(a)*

**Funding for Off-Campus Programs**

Funding eligibility for a student participating in an off-campus program will include time instructed in the off-campus program. A campus may choose an alternate attendance-taking time for a group of students that is scheduled to be off-campus during the regular attendance-taking time. The alternate attendance-taking time will be in effect for the period of days or weeks for which the group is scheduled to be off-campus during the regular attendance-taking time (for example, for the semester or for the duration

of employment). This alternate attendance-taking time may not be changed once it is selected for a particular group of students. If attendance is taken at an off-campus location, the district must ensure that attendance is taken in accordance with the *Student Attendance Accounting Handbook*.

For a district to receive FSP funding for a student participating in an off-campus program, the district must have documentation of an agreement between the district and the college.

*19 TAC 129.1031(c)-(d)* [See EHDD]

[For information regarding funding for courses taken with the Texas Virtual School Network, see EHDE.]

### **Disasters**

The commissioner may adjust the average daily attendance of a district all or part of which is located in an area declared a disaster area by the governor under Government Code Chapter 418 if the district experiences a decline in average daily attendance that is reasonably attributable to the impact of the disaster.

The commissioner may make the adjustment under this section for the two-year period following the date of the governor's initial proclamation or executive order declaring the state of disaster.

*Education Code 48.006(a), (c)*

---

<sup>1</sup> TEA *Student Attendance Accounting Handbook*: <https://tea.texas.gov/finance-and-grants/financial-compliance/student-attendance-accounting-handbook>



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Memorandum of Agreement between El Paso Independent School District and Boys and Girls Clubs of El Paso for After School Programs*

**JUSTIFICATION STATEMENT:**

(To provide afterschool programs at selected school sites providing enrichment activities which support regular academic programs)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:**

**STAFF RESPONSIBLE:** Diana Provencio, Michelle Casillas

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever I: Whole Child Development - El Paso ISD schools foster learning environments for the whole child to thrive.*

**SUMMARY:**

The Board of Trustees is requested to approve the Memorandum of Agreement between the El Paso Independent School District and Boys and Girls Clubs of El Paso (BGCEP) to provide after school enrichment activities at three EPISD elementary schools (Clendenin, Sunrise Mountain, and Whitaker), one middle school (Magoffin), and one PK-8 campus (Coach Wally Hartley). During the 2024-2025 school year, BGCEP will recruit children through coordinated consultation with EPISD leadership and coordinate outreach for parents. The afterschool program is intended to improve the academic performance of participating students in core academic subjects, such as reading and math, and offer students a broad array of enrichment activities that complement their regular academic programs.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board of Trustees approve the Memorandum of Agreement between the El Paso Independent School District and Boys and Girls Clubs of El Paso to provide after school enrichment activities at five EPISD campuses during the 2024-2025 school year, as presented.

**FUNDING SOURCE:** N/A **ACCOUNT NO.:** N/A

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** N/A
- **FUTURE/ONGOING:** N/A

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

This program is beneficial to improve academic performance of participating students in core academic subjects, such as reading and math.

**IMPLEMENTATION TIMELINE:** Effective August 1, 2024 through July 31, 2025

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▯ Memorandum of Agreement between El Paso Independent School District and Boys and Girls Clubs of El Paso After School Program



## Memorandum of Agreement

This Memorandum of Agreement (Agreement) is entered effective August 1, 2024 through July 31, 2025 between the El Paso Independent School District (EPISD) and the Boys & Girls Clubs of El Paso (BGCEP), collectively "Parties."

Whereas, BGCEP has been awarded funds by the El Paso County, through the American Rescue Plan Act of 2021 (ARPA), to fund a COVID-19 Remediation Project. The project will provide afterschool programs for students in three EPISD elementary schools, one PK-8 and one middle school;

Whereas, this funding will continue services at the five community learning centers to provide academic remediation. BGCEP will also provide fine arts enrichment opportunities during afterschool hours; and

Whereas, BGCEP will serve 50 children or more at each site. BGCEP will identify and recruit children through coordinated consultation with EPISD leadership, with EPISD staff and coordinate outreach for parents;

NOW THEREFORE, in consideration of the mutual promises herein contained, the Parties agree as follows:

### I. Scope of Work:

The BGCEP afterschool program at EPISD is intended to improve the academic performance of participating students in core academic subjects, such as reading and math, and offer students a broad array of enrichment activities that complement their regular academic programs. BGCEP will provide services at the following school sites:

- Clendenin Elementary School
- Sunrise Mountain Elementary School
- Whitaker Elementary School
- Magoffin Middle School
- Coach Wally Hartley PK-8

BGCEP will provide services at each of these locations Monday through Friday. The hours of operation will be from 3:30-6:30 p.m. at the elementary schools and 3 to 6 p.m. at the PK-8 and middle schools.

BGCEP will not provide transportation for children. Parents will be made aware of their responsibility to arrange child transportation from program sites.

### EPISD agrees to:

- Provide workspace for the BGCEP program, determined by mutual verbal agreement between BGCEP staff and school principal and approved by the Assistant Superintendent of Elementary Schools.
- Provide an EPISD point of contact to facilitate program implementation and operation.
- Allow BGCEP to provide a summer component program at one or more EPISD campuses or a BGCEP location. EPISD and BGCEP will determine the location of the summer program a minimum of forty-days prior to the program.
- Provide grade, attendance, STAAR scores, and discipline information for students enrolled in the BGCEP afterschool program required for grant reporting, ensuring data sharing adheres to all FERPA guidelines and applicable law.



- Provide formative assessment data to include Developmental Reading Assessment (DRA) and Evaluacion del Desarrollo de Lectura (EDL) for the elementary schools and the campus assessment data for the middle schools to help BGCEP create targeted academic and enrichment programming, aligned with the school day.
- Provide interim STAAR score assessment data to help BGCEP establish a baseline for intervention and tutoring as well as measure student progress.

**BGCEP Staff agree to:**

- Provide grant administration and monitoring for the ARPA Covid-19 Remediation Project.
- Implement and administer the BGCEP program within the guidelines set forth by the El Paso County and federal ARPA guidelines.
- Provide ongoing communication related to program progress with EPISD and all partners.
- Obtain current parent consent forms for all participating students in BGCEP program for the purpose of releasing student data necessary for grant compliance.
- Handle any elevated disciplinary issues with participating students and staff.
- Provide administrative oversight to ensure shared space is cared for appropriately.
- Prepare performance reports for the El Paso County and provide data to campus administration for evaluation and feedback.

**BGCEP further agrees that:**

Implementation and operation of this program may not conflict, compete or interfere with any established EPISD program or partnership program. BGCEP shall ensure all program staff, including tutors and students from UTEP, shall comply with background check and other requirements pursuant to the Texas Education Code, EPISD Policies, and other applicable law before working on EPISD campuses and must display identification badges at all times. BGCEP shall certify that criminal background search records have been completed and that no employees, program staff, or subcontractors/third parties have been convicted of a felony, or misdemeanor involving moral turpitude, or of any crime involving harm to a child. The criminal background checks must be performed before any new employee, program staff, or subcontractor/third party is permitted to enter EPISD property and at least annually for all such individuals providing services under this Agreement. BGCEP shall provide EPISD with copies of said criminal background checks within twenty-four (24) hours of written demand. EPISD shall be the final arbiter of what constitutes a location where students are regularly present.

BGCEP agrees any student release or consent forms used must be current and approved by EPISD.

**The Parties further agree:** To follow the guidelines as set by the El Paso County and this Agreement.

**II. Term and Termination**

1. This Agreement will begin on August 1, 2024 and shall continue in full force for the 2024-25 school year through July 31, 2025 subject to any limitation set forth herein, unless terminated in accordance with this section. This Agreement may be extended beyond the original term by mutual Agreement signed by both Parties.
2. Termination:
  - a. Either party may, without penalty, terminate this Agreement at the end of any budget year of such party during the term of the Agreement if funds required to fulfill this Agreement have



not been appropriated, and with written notice to the other party. Such notice shall be effective thirty (30) calendar days from the date of receipt.

- b. This Agreement may be terminated by mutual written agreement of the Parties upon such terms as agreed.

### III. Contractual Relationship

Nothing contained herein shall be construed as creating an employer/employee relationship, a partnership, a joint venture or joint obligations between the parties hereto. Each party retains the right to conduct its businesses as it sees fit. BGCEP shall, at all times, be deemed an independent contractor.

### IV. Reservation of Rights and Immunity

Nothing herein or in the performance of this Agreement shall be construed as a waiver of sovereign/governmental immunity or similar rights. EPISD does not waive any immunity or defense that would otherwise be available to it pursuant to the Texas Tort Claims Act or other applicable statutes, laws or regulations against claims arising from the exercise of its power or functions. No provision of this Agreement that imposes an obligation or restriction on EPISD not permitted by applicable law shall be enforceable. Records relating to this Agreement may be subject to disclosure pursuant to the Texas Public Information Act, Section 552.001 et. seq. of the Texas Government Code.

### V. General Provisions

1. Disputes: If any dispute concerning any fact, interpretation, allowable costs, etc. arise during performance of this Agreement, reasonable efforts shall be made to resolve said dispute(s) through informal discussions between the Parties.
2. Amendment and Assignment: Any changes to this Agreement may only be made by mutual written agreement of the Parties. This Agreement may not be assigned by either party to the Agreement without the express written consent of the other party. Any attempt to assign without such consent shall be void, and shall be deemed a material breach of this Agreement.
3. Entire Agreement: This Agreement and any subsequent amendments constitute the entire and only agreement between the Parties relating to the matters described herein, and supersedes all prior agreements and discussion, whether written or oral. Unless expressly stated, this Agreement confers no rights on any person(s) or business (entity(s) that is not a party hereto.
4. Notice to Parties: Any notice required by this Agreement shall be given by prepaid first class certified mail, return receipt requested to:

EPISD at:	El Paso Independent School District Attn: Diana Sayavedra 1014 N. Stanton 3 <sup>rd</sup> Floor El Paso, Texas 79902
BGCEP at:	Boys & Girls Clubs of El Paso Attn: Anthony Tomasheski 801 S. Florence El Paso, Texas 79901



5. **Applicable Law and Venue:** This Agreement shall be construed and enforced in accordance with the laws of the State of Texas, as well as any applicable federal law and policy of EPISD. If any legal action or dispute resolution is necessary to enforce the terms of this Agreement, exclusive venue shall lie in El Paso County, Texas. Further, and for any project that is in whole or in part funded through the Federal government, the applicable program or appropriation statute(s), federal agency regulations, and Circulars of the U.S. Office of Management and Budget shall apply.

6. **Indemnification:** BGCEP agrees to indemnify, defend, and hold harmless EPISD and its trustees, officers, agents, representatives and employees (collectively, the "Indemnified Parties") from and against, any and all claims, causes of actions, liability, lawsuits, judgments, costs, liens, losses, expenses, liability and suits of any kind and nature, including but not limited to, personal injury (including death), property damage, or other harm for which recovery of damages is sought that may arise out of or be occasioned or caused by BGCEP's negligent or intentional act, error, or omission, or that of any agent officer, representative, employee, or sub-consultant of BGCEP (collectively "BGCEP Affiliate") while in the exercise of performance of the rights or duties under this Agreement. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of the Indemnified Parties, in instances where such negligence causes personal injury, death, or property damage. In the event BGCEP and/or a BGCEP Affiliate and any Indemnified Party are found jointly liable by a Court of competent jurisdiction, liability shall be apportioned comparatively in accordance with the laws of the State of Texas, without, however, waiving any governmental immunity available to EPISD, its employees/officials under the Texas Tort Claims Act or other Texas law. BGCEP shall promptly advise EPISD, in writing, of any claim or demand against an Indemnified Party, BGCEP and/or BGCEP Affiliated under this Agreement. The provisions of this Section are solely for the benefit of the Parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

7. **Binding Effect:** This Agreement, and every provision thereof, shall be binding upon and shall inure to the benefit of the Parties and their respective successors and permitted assigns.

8. **No Waiver:** The consent or waiver, express or implied, by a party to a breach of any provision, or the failure, or apparent failure, of either party at any time to require performance by the other of any provision of this Agreement, shall in no way affect the right of such party to require performance of that provision or any other provision of this Agreement.

9. **Mutual Negotiation:** This Agreement has been prepared at the joint request, direction, and construction of the Parties, at arms' length, and shall be construed without favor to any party.

10. **Contract Language:** Wherever the context shall require, the singular shall include the plural and the female gender shall include the male, the neuter, and vice versa. This Agreement may be executed in original or facsimile signatures, in multiple counterparts. The headings, captions, and arrangements used in this Agreement are for convenience only and shall not affect the interpretation of this Agreement.

11. **Severability:** All agreements and covenants contained in this Agreement are severable. Any provision, or part thereof, of this Agreement held by a court of competent jurisdiction to be illegal, invalid or unenforceable shall not impair or invalidate the remainder of this Agreement and the effect thereof shall be confined to the provision, or part thereof, so held to be illegal, invalid or unenforceable. In lieu of any provision so held, there will be added a provision that preserves the intention of the unenforceable provision and complies with the law.



12. Warrant of Capacity to Execute Contract: The person signing this Agreement on behalf of each party warrants that he/she has the authority to do so and to bind their respective party to this Agreement.

13. Survival: A party shall remain obligated to the other party under all clauses of this Agreement that expressly or by their nature extend beyond the expiration or termination of this Agreement.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duty-authorized representatives.

\_\_\_\_\_  
Diana Sayavedra, Superintendent  
El Paso Independent School District

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Anthony Tomasheski, Chief Executive Officer  
Boys & Girls Clubs of El Paso

5/1/24

\_\_\_\_\_  
Date

Approved to form:   
\_\_\_\_\_  
Jeanne C. Collins, EPISD General Counsel

**Signed: Friday, April 26, 2024**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of 2024-2025 Innovative Course Application for NewCourse to Texas Education Agency*

**JUSTIFICATION STATEMENT:**

(To submit the 2024-2025 Innovative Course Application to the Texas Education Agency for Unveiling Herstory: Women's Historical Significance course for approval)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** Carla Gonzales, Jason Long, Cynthia Ontiveros

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever II: Academic Excellence - El Paso ISD empowers all learners to excel in current and future pursuits.*

**SUMMARY:**

The El Paso Independent School District's Young Womens Science Technology Engineering Arts and Mathematics Research and Preparatory Academy, in collaboration with the University of Texas at El Paso Women's and Gender Studies, are recommending a new high school course.

The proposed course, Unveiling Herstory: Women's Historical Significance and Voices, offers a comprehensive exploration of women's impact on history. It equips students with the tools to analyze and evaluate the historical significance of women while honing their skills in interpreting primary sources from various historical periods.

The course qualifies as innovative due to its unique focus on women's contributions to history, which are often underrepresented in existing TEKS-based courses. By highlighting the intersectionality of gender, culture, and class, the course prepares students for diverse professional environments and encourages them to appreciate and advocate for gender equity in all spheres.

This course is recommended for students in grades 9-12. There are no prerequisites. The student shall earn one credit for successful completion of this course.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the submission of the 2024-2025 Innovative Course Application to the Texas Education Agency for Unveiling Herstory: Women's Historical Significance, for the 2025-2026 school year.

**FUNDING SOURCE:** N/A **ACCOUNT NO.:** N/A

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** N/A
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

Students in El Paso Independent School District would miss out on the opportunity to have this course offered in grades 9-12.

**IMPLEMENTATION TIMELINE:** 2025-2026 School Year

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ 2024-2025 Innovative Course Application - New Course
- ▢ EHB - Special Programs: Innovative and Magnet Programs



## 2024–2025 Innovative Course Application – New Course

### Title of proposed new innovative course:

**Unveiling Herstory: Women's Historical Significance**

### Applicant information

Name of applying school district, charter school, or organization: El Paso Independent School District

Complete mailing address: 1014 N Stanton El Paso, TX 79902

Primary contact person: Dr. Cynthia Ontiveros

Primary contact person's title: Principal Young Women's STEAM Research and Preparatory Academy

Primary contact person's email address: ccontive@episd.org

Primary contact person's phone number, area code first: 915-236-4830

Secondary contact person: Dr. Hilda Ontiveros-Arrieta

Secondary contact person's title: Director of Women's & Gender Studies UTEP

Secondary contact person's email address: hontiveros@utep.edu

Secondary contact person's phone number, area code first: 915-747-5200

County District Number (if applicant is a Texas public school): District 19

Superintendent (if applicant is a Texas public school): Diana Sayavedra

Date of local board of trustees' approval of this innovative course application (if applicant is a Texas public school): June 20, 2024

New Course

**Proposed Course Information**

---

Subject area (choose only one):	Social Studies
Career cluster (CTE only):	None
Number of credits per course:	.5 – 1.0
Grade level(s) (high school only):	9-12

**Brief description of the proposed course (150 words or less, paragraph form):**

Unveiling Herstory: Women's Historical Significance and Voices offers a comprehensive exploration of women's impact on history. It equips students with the tools to analyze and evaluate the historical significance of women while honing their skills in interpreting primary sources from various historical periods. Through critical examination of historical narratives, students will understand the complexities of representing women's history. Moreover, the course encourages active research to unearth untold stories and contributions of women in Texas, highlighting their broader implications in U.S. and global history. Emphasizing the intersectionality of gender, culture, and class, it fosters cultural competence and a deeper understanding of the multifaceted roles women have played throughout history, making it a vital addition to any history curriculum.

**Brief justification of how/why the proposed course qualifies as “innovative” in terms of student need.**

Unveiling Herstory: Women's Historical Significance and Voices qualifies as innovative due to its unique focus on women's contributions to history, which are often underrepresented in existing TEKS-based courses. Students learn to critically analyze and interpret primary sources specific to women's history, gaining skills not typically emphasized in standard history curricula. The course provides benefits such as enhanced research skills, critical thinking, and cultural competence, all of which are valuable in college and career settings. It addresses the specific need for a more inclusive historical perspective, fostering a deeper understanding of the diverse influences that have shaped society. By highlighting the intersectionality of gender, culture, and class, the course prepares students for diverse professional environments and encourages them to appreciate and advocate for gender equity in all spheres.

**Pilot Data – All New Courses**

**Data or other evidence that demonstrates successful piloting of the entire course. Data and descriptive information should be provided below.**

*Curriculum Standards and Student Support Division*

New Course

**Course Description:** The Young Women’s STEAM Research & Preparatory Academy implemented an AP Seminar course with a Women & Gender Studies focus in the 2022-2023 academic school year, and continues to offer the course in the current school year. This course was offered as an elective and is part of the AP Capstone program: a two year program which includes AP Seminar and AP Research and which is designed to teach students how to conduct university level research projects in areas of interest. Within the AP Capstone program, campuses may submit a syllabus for course auditing which proposes a specific focus for the Seminar course, and YWA was approved to move forward with a Women & Gender Studies focus. The first semester of the course focused on reading and analyzing foundational texts in Women & Gender Studies to understand the historical background and major issues within the field, as well as identifying the many perspectives present. Students also practice generating high quality research questions related to the field of Women & Gender studies and put together research presentations using credible primary and secondary sources. The second semester focused on student interest driven work where students use the skills learned in semester one to put together research presentations around a topic of their choice.

**Enrollment numbers:** In the 2022/2023 academic school year, 22 students were enrolled in AP Seminar. Both juniors and seniors were enrolled in the course. The majority of enrolled juniors continued with the capstone program in their senior year and are currently enrolled in AP Research.

**Student Outcomes:** The first AP scores to be released for this program at YWA showed an 85.7% passing rate for the AP exam, above the state and global average. This percentage of students scored a 3 or better and were eligible for college credit for the course.

[file:///Users/rnguerre/Downloads/AP School Instructional Planning Report 2023.pdf](file:///Users/rnguerre/Downloads/AP%20School%20Instructional%20Planning%20Report%202023.pdf)

**Provide cited evidence of an existing or previously provided course or pilot. This should include course 1) enrollment numbers, 2) years the course was offered in its entirety, and 3) student outcomes for a locally implemented course, an existing course at an institution of higher education, a pilot program, or an industry training program that is the model for the proposed innovative course.**

Provide cited evidence of an existing or previously provided course or pilot. This should include course 1) enrollment numbers, 2) years the course was offered in its entirety, and 3) student outcomes for a locally implemented course, an existing course at an institution of higher education, a pilot program, or an industry training program that is the model for the proposed innovative course.

<Include the pilot data here>

**Regional Labor Market Data - New CTE Courses**

*Curriculum Standards and Student Support Division*



## 2023-2024 Innovative Course Application –

### New Course

For career and technology education (CTE) courses only: In addition to pilot information that must be included above, applicants must include cited evidence that the course is aligned with state and/or regional labor market data. Please submit this data below.

<Include the regional labor market data here.> N/A

**New Course**

**Essential Knowledge and Skills for the Proposed Course:**

**NOTE:** Proposed CTE course applications must address professional standards/employability skills as required by business and industry as the first knowledge statement (KS). Proposed ethnic studies course applications must include content in history, government, economics, civic engagement, culture, and science and technology.

Knowledge and skills that duplicate the content of a TEKS-based course or can reasonably be taught within an existing TEKS-based course will not be approved.

**Applicants may wish to use the styles [“Section (a, b, c)”]; “KS (1, 2, 3)”]; and “SE (A, B, C)” in styles menu] provided with this document to make the formatting process simpler. Please note, file sharing applications may delete or modify styles and any formatting added to this document.**

**§113.52 History of Women (One-half Credit to 1.0 Credit)**

(a) General Requirements. This course is recommended for students in grades 9-12. Recommended prerequisites: None. Students shall be awarded one credit for successful completion of this course.

(b) Introduction.

(1) The proposed course aligns with the Texas Essential Knowledge and Skills (TEKS) curriculum by providing a specialized focus on the history of women in Texas, an area that is underrepresented in the standard curriculum. It complements the existing history curriculum by enhancing the understanding of the contributions and experiences of women throughout Texas history.

(2) Purpose: Unveiling Herstory: Women's Historical Significance and Voices, offers a comprehensive exploration of women's impact on history. It equips students with the tools to analyze and evaluate the historical significance of women while honing their skills in interpreting primary sources from various historical periods. Through critical examination of historical narratives, students will understand the complexities of representing women's history. Moreover, the course encourages active research to unearth untold stories and contributions of women in Texas, highlighting their broader implications in U.S. and global history. Emphasizing the intersectionality of gender, culture, and class, it fosters cultural competence and a deeper understanding of the multifaceted roles women have played throughout history, making it a vital addition to any history curriculum.

(c) Knowledge and Skills.

(1) Knowledge Statement (KS). This course aligns with the following professional standards/employability skills required by business and industry, as well as the specified content areas:

**New Course**

(A) Student expectations (SEs) must:

- (1) Analyze and evaluate the historical significance of women.
- (2) Interpret primary sources to draw conclusions about the experiences of women in various historical periods.
- (3) Demonstrate the ability to critically evaluate historical narratives and understand the challenges of representing women's history.
- (4) Engage in research to uncover untold stories and contributions of women in Texas and the implications in U.S. and global history.
- (5) Foster cultural competence by exploring the intersectionality of gender, culture, and class in U.S. and global history.

**New Course**

**Recommendations for new proposed innovative course**

**YWA AP Seminar Syllabus:**

<https://onedrive.live.com/edit.aspx?resid=539E0DEE8ED5BF37!6207&cid=539e0dee8ed5bf37&CT=1697298799062&OR=ItemsView>

Recommended resources, technology, and instructional materials to be used:

Rubin, Dana. *Speaking while female: 75 extraordinary speeches by American women*. RealClear Publishing, 2023.

Gilman, Charlotte Perkins, and Ann J. Lane. *The Charlotte Perkins Gilman reader: The yellow wallpaper and other fiction*. London: Woman's Press, 1981.

*The Vote*. PBS. Public Broadcasting Service. Accessed October 14, 2023.  
<https://www.pbs.org/wgbh/americanexperience/films/vote/>.

**List five to ten. The recommended resources, technology, and instructional materials should:**

- **be currently available to the general public, accessible, and helpful for students to learn the proposed content;**
- **provide a variety of sources to include media beyond textbooks, such as industry manuals, periodicals, and online sources; or**
- **integrate the use and/or application of technology.**

**General or generic resources may be listed in bullet form. If the resource is published, a full bibliographic citation using [Chicago Manual of Style, 17th Edition](#) is required.**

**Recommended activities:**

- Students will review the ‘Seneca Falls Declaration of Sentiments’ to identify main ideas claims, and evidence. **(Lesson Plan Appendix A, Student Artifact Appendix B)**
- Students will read ‘The Solitude of Self’ by Elizabeth Cady Stanton and track her line of reasoning through the speech.
- Students will watch an oral presentation of ‘Aint I a Woman?’ by Sojourner Truth and hold small group discussions on how her perspective differs from her contemporaries.
- Students will listen to a reading of ‘A Women’s Rights Man’ by Frederick Douglas and identify his argument and line of reasoning. Students will then reflect on the implications of his perspective within the ongoing debate.
- Students will construct a ven diagram using textual evidence from the week’s readings (Appendix B) to compare and contrast the varying perspectives and values present during the Seneca Falls convention. **(Lesson Plan Appendix C, Student Artifact Appendix D)**
- Students will read the ‘Statement of Purpose’ from the National Organization for Women 1966 and identify purpose, claims, evidence, and historical context.

**New Course**

- Students will read ‘What’s Wrong with Equal Rights For Women’ by Phyllis Schlafly to analyze argument and line of reasoning. Students will evaluate how this argument is in conflict with the NOW statement of purpose.
- Students will conduct a ‘dinner party’ activity in which they role play as stakeholders within the 1970s debate on gender equality.
- Students will engage in a workshop in which they generate class research question and will learn to determine credible from non-credible sources with which to answer the question.
- Students will practice using disciplinary lenses to investigate topics related to Women & Gender Studies **(Lesson Plan Appendix E, Student Artifact Appendix F)**
- Students will self-select high quality sources with which to write an argument essay. Each source selected will be checked through the RAVEN process and kept in an online portfolio for reference.
- For each selected source, students will identify purpose, main idea, claims, line of reasoning, and whether the piece uses inductive or deductive reasoning.

**Recommended assessment methods for evaluating student outcomes:**

- Students should have the opportunity to read, reflect in writing, and share their thoughts in a ‘literature circle’ or other oral discussion protocol.
- Students should demonstrate their knowledge of a text’s main idea, claims, evidence, and line of reasoning through highlighting, summarizing, and constructing short written responses to text. **(Lesson Plan Appendix G, Student Artifact Appendix H)**
- Students should work collaboratively in groups to generate research questions, conduct research, synthesize their research visually through a presentation, and finally deliver oral presentations to the class on their findings. **(Project Entry Document Appendix I, Student Artifact Appendix J)**
- Students should be writing in multiple forms:
  - synthesis essays which make meaning out of many different sources within a given topic.
  - argument essays which provide them the opportunity to take a stance on the issues they learn about.
  - creative writing pieces which encourage them to make personal connections to the material.
  - Research papers which present the student’s findings on a topic in a logical manner following the genre conventions of informational texts.

### **Recommended Resources, Technology, and Instructional Materials**

#### 1. Books and Periodicals

- "Women's America: Refocusing the Past" by Linda K. Kerber, Jane Sherron De Hart, Cornelia H. Dayton, and Judy Tzu-Chun Wu.
- "Through Women's Eyes: An American History with Documents" by Ellen Carol DuBois and Lynn Dumenil.
- "The Feminine Mystique" by Betty Friedan.
- "A People's History of the United States" by Howard Zinn, focusing on chapters related to women's history.

#### 2. Online Databases and Websites

- Women and Social Movements in the United States, 1600-2000 (Alexander Street Press).
- National Women's History Museum ([www.womenshistory.org](http://www.womenshistory.org)).
- Digital Public Library of America (DPLA) for primary source documents.

#### 3. Multimedia

- "Makers: Women Who Make America" (PBS documentary series).
- "The Suffragette" (film).
- TED Talks related to women's history and gender studies, such as Chimamanda Ngozi Adichie's "We Should All Be Feminists".

#### 4. Technology Tools

- Google Scholar for academic research.
- Zotero for citation management.
- Padlet for collaborative online brainstorming and discussion.
- Canva for creating visual presentations.

### **Recommended Activities**

#### 1. Document Analysis

- Review the "Seneca Falls Declaration of Sentiments" to identify main ideas, claims, and evidence (Lesson Plan Appendix A, Student Artifact Appendix B).

#### 2. Speech Analysis

- Read and analyze "The Solitude of Self" by Elizabeth Cady Stanton, tracking her line of reasoning.

#### 3. Oral History

- Watch an oral presentation of "Ain't I a Woman?" by Sojourner Truth and hold small group discussions on her perspective.

#### 4. Comparative Analysis

- Listen to a reading of "A Women's Rights Man" by Frederick Douglass, identify his arguments, and reflect on the implications of his perspective within the ongoing debate.

**New Course**

5. Venn Diagram

- Construct a Venn diagram using textual evidence from weekly readings to compare and contrast perspectives from the Seneca Falls Convention (Lesson Plan Appendix C, Student Artifact Appendix D).

6. Primary Source Analysis

- Read the "Statement of Purpose" from the National Organization for Women (1966) and identify purpose, claims, evidence, and historical context.

7. Debate Preparation

- Read "What's Wrong with Equal Rights for Women" by Phyllis Schlafly, analyze the argument, and evaluate its conflict with the NOW statement of purpose.

8. Role-Playing Activity

- Conduct a "dinner party" activity where students role-play as stakeholders in the 1970s gender equality debate.

9. Research Workshop

- Engage in a workshop to generate class research questions and learn to identify credible sources.

10. Disciplinary Lenses

- Practice using disciplinary lenses to investigate topics related to Women & Gender Studies (Lesson Plan Appendix E, Student Artifact Appendix F).

**Recommended Assessment Methods**

1. Literature Circles

- Provide opportunities for students to read, reflect in writing, and share thoughts in a literature circle or other oral discussion protocol.

2. Textual Analysis

- Demonstrate knowledge of a text's main idea, claims, evidence, and line of reasoning through highlighting, summarizing, and constructing short written responses (Lesson Plan Appendix G, Student Artifact Appendix H).

3. Collaborative Research Projects

- Work collaboratively to generate research questions, conduct research, create visual presentations, and deliver oral presentations on findings (Project Entry Document Appendix I, Student Artifact Appendix J).

4. Varied Writing Assignments

- Synthesis essays to make meaning from various sources.
- Argument essays to take a stance on learned issues.
- Creative writing pieces to make personal connections to the material.
- Research papers presenting logical findings on a topic.

**Recommended Educator Certifications**

1. Texas Educator Certifications

- Social Studies 7-12

*Curriculum Standards and Student Support Division*

**New Course**

- History 7-12
- Any additional certifications specific to Women's Studies or Gender Studies if available.

**Required Trainings, Including Associated Costs**

- 1. Trainings
  - Training on incorporating primary source analysis in history teaching.
  - Professional development workshops on gender studies pedagogy.
- 2. Cost Information
  - Costs will vary based on provider and location. For example, professional development workshops through local educational service centers or national organizations like the National Women's History Museum may range from \$100 to \$500 per session.
- 3. Providers
  - Local Educational Service Centers
  - National Women's History Museum
  - University-based professional development programs

New Course

APPENDIX A

Lesson Plan: Declaration of Sentiments Annotation

Subject	AP Seminar: Women & Gender Studies
Topic	Early Voices in Women’s Rights: The Declaration of Sentiments by Elizabeth Cady Stanton
Learning Objectives	<ul style="list-style-type: none"> <li>· Students will read and analyze a foundational text in women’s history and locate central ideas, claims, and supporting evidence the text uses to achieve its purpose.</li> <li>· Students will evaluate the text’s line of reasoning and rhetorical effectiveness.</li> </ul>
Curricular Requirements	<p>LO 2.2A: Explaining and analyzing the logic and line of reasoning of an argument.</p> <p>LO2.1B: Summarizing and explaining a text’s main idea or aim while avoiding faulty generalizations and oversimplification.</p> <p>EK 4.2A3: Evidence is strategically chosen based on context, purpose, and audience. Evidence may be used to align an argument with authority; to define a concept, illustrate a process, or clarify a statement; to set a mood; to provide an example; to amplify or qualify a point.</p>
Materials Needed	<ul style="list-style-type: none"> <li>· PDF: The Declaration of Sentiments by Elizabeth Cady Stanton and co-signers. <a href="https://www.womenshistory.org/sites/default/files/document/2019-08/Day%203_0.pdf">https://www.womenshistory.org/sites/default/files/document/2019-08/Day%203_0.pdf</a></li> <li>· Schoology Annotation Tool</li> <li>· Promethean or Smart Board</li> </ul>

**New Course**

Lesson Structure	<p>10 mins: Students will watch a video giving background context about the Seneca Falls convention from the History Network <a href="https://www.youtube.com/watch?v=TcYhuG1y3bc">https://www.youtube.com/watch?v=TcYhuG1y3bc</a></p> <p>10 mins: Students will participate in a think-pair- share discussion responding to the following prompt: Who were major figures involved in the convention and what were their goals? Who was the audience for speakers at this event?</p> <p>15 minutes: Students will open the annotation assignment on schoology and participate in a whole group read aloud.</p> <p>5 minutes: Teacher will model locating a claim and supporting evidence within a paragraph of the text.</p> <p>20 mins: Students will work independently or in small groups to annotate the full text for all claims and supporting evidence, color coding the document to show the difference between the two.</p> <p>15 mins: Whole group review: Using their own documents, students will volunteer to come up to the promethean and give examples of the claims and evidence used. Next, the class will decide as a whole group, which line best represents the main/central idea of the text.</p>
Formative Assessment	<p>20 mins: Students will write a short-constructed response using the topic sentence, evidence, commentary format which responds to the following prompt: How did The Declaration of Sentiments build the argument for women’s suffrage? Be sure to explore specific elements of the text’s line of reasoning in your response.</p>

-  - Main Idea
-  - Claims
-  - Evidence for claims

**Declaration of Sentiments**

by Elizabeth Cady Stanton

*In 1848, a historic assembly of women gathered in Seneca Falls, New York, the home of Elizabeth Cady Stanton. Stanton organized the Seneca Falls Convention with Lucretia Mott, who, like her, had been excluded from the World Anti-Slavery Convention in London eight years earlier. Modeling her declaration closely on the Declaration of Independence, Stanton extended it to list the grievances of women. The Declaration also called for the right for women to vote, a radical demand that helped launch the women's suffrage movement, leading, ultimately, to the recognition of voting rights for women in the nineteenth Amendment, in 1920. (Introduction from *Voices of a People's History of the United States* by Zinn and Arnove)*

When, in the course of human events, it becomes necessary for one portion of the family of man to assume among the people of the earth a position different from that which they have hitherto occupied, but one to which the laws of nature and of nature's God entitle them, a decent respect to the opinions of mankind requires that they should declare the causes that impel them to such a course.

We hold these truths to be self-evident; that all men and women are created equal; that they are endowed by their Creator with certain inalienable rights; that among these are life, liberty, and the pursuit of happiness; that to secure these rights governments are instituted, deriving their just powers from the consent of the governed. Whenever any form of government becomes destructive of these ends, it is the right of those who suffer from it to refuse allegiance to it, and to insist upon the institution of a new government, laying its foundation on such principles, and organizing its powers in such form, as to them shall seem most likely to effect their safety and happiness. Prudence, indeed, will dictate that governments long established should not be changed for light and transient causes; and, accordingly, all experience hath shown that mankind are more disposed to suffer, while evils are sufferable, than to right themselves by abolishing the forms to which they were accustomed. But when a long train of abuses and usurpations, pursuing invariably the same object, evinces a design to reduce them under absolute despotism, it is their duty to throw off such government, and to provide new guards for their future security. Such has been the patient sufferance of the women under this government, and such is now the necessity

New Course

APPENDIX C

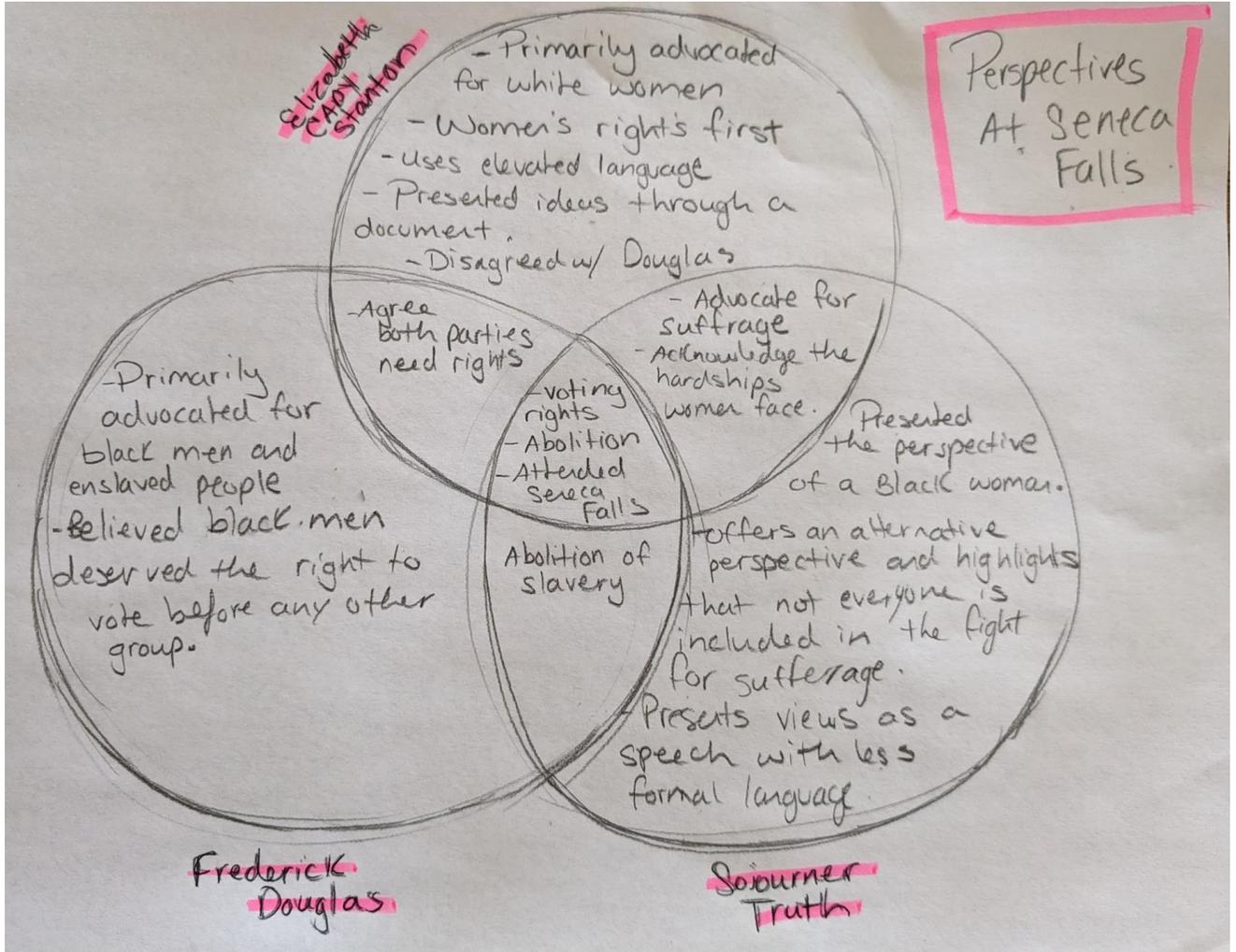
Lesson Plan: Perspectives at Seneca Falls

Subject	AP Seminar: Women & Gender Studies
Topic	Early Voices in Women’s Rights: The differing perspectives present at the Seneca Falls Convention
Learning Objectives	<ul style="list-style-type: none"> <li>· Students will compare and contrast differing perspectives on a single topic: women’s suffrage.</li> <li>· Students will identify and evaluate arguments for credibility and supporting evidence.</li> </ul>
Curricular Requirements	<p>EU 3.1: Different perspectives often lead to competing and alternative arguments. The complexity of an issue emerges when people bring these differing, multiple perspectives to the conversation</p> <p>EU 4.4: Forming one’s own perspective and reaching new understandings involve innovative thinking and synthesis of existing knowledge with personally generated evidence.</p> <p>EK 2.1A4: Perspectives are shared through written, spoken, visual, or performance texts. A perspective includes the writer’s attitude/tone regarding the subject and is expressed through an argument.</p> <p>EK 3.1A2: Perspectives are not always oppositional; they may be concurring, complementary, or competing.</p>
Materials Needed	<ul style="list-style-type: none"> <li>· YouTube videos &amp; Promethean or Smart Board</li> <li>· Schoology Discussion Board</li> <li>· Paper, Pencils, Markers</li> </ul>

**New Course**

Lesson Structure	<p>During the following videos students should have the notetaking device of their choice open. Teacher will prompt students to take note of major historical figures mentioned and their desires/goals.</p> <p>10 mins: Students will watch a video about the divisions in Seneca Falls from the American Experience by PBS  <a href="https://www.youtube.com/watch?v=9ir5CgK3LhM">https://www.youtube.com/watch?v=9ir5CgK3LhM</a></p> <p>5 mins: Students will watch an oral presentation of 'Ain't I A Woman' by Sojourner Truth performed by Kerry Washington by Zinn Ed:  <a href="https://www.youtube.com/watch?v=Ry_i8w2rdQY">https://www.youtube.com/watch?v=Ry_i8w2rdQY</a></p> <p>5 mins: Students will listen to a reading of 'A Women's Rights Man' by Frederick Douglas recorded by Smithsonian Folkways Recordings  <a href="https://www.youtube.com/watch?v=fH1iIIS1_Pw">https://www.youtube.com/watch?v=fH1iIIS1_Pw</a></p> <p>30 mins: Students will participate in a schoology discussion responding to the following prompt:</p> <p>Frederick Douglas was unwavering in his support of women's suffrage, though he disagreed with Elizabeth Cady Stanton who argued that suffrage should be simultaneous with voting rights for black men. Douglas believed black men faced a more pressing threat of violence than women and therefore must have the vote first. What are your thoughts on this issue? Was supporting evidence did Stanton/Douglass have to back up their stance?</p> <p>They must respond to at least two classmates within the given time period. Afterwards, students will volunteer to share out their takeaways from the discussion to the whole group.</p>
Formative Assessment	<p>30 mins: Students will work in small groups to create and present a triple ven diagram depicting major stakeholders at the conventions and identifying where their goals/aims align or differ.</p>

APPENDIX D



New Course

APPENDIX E

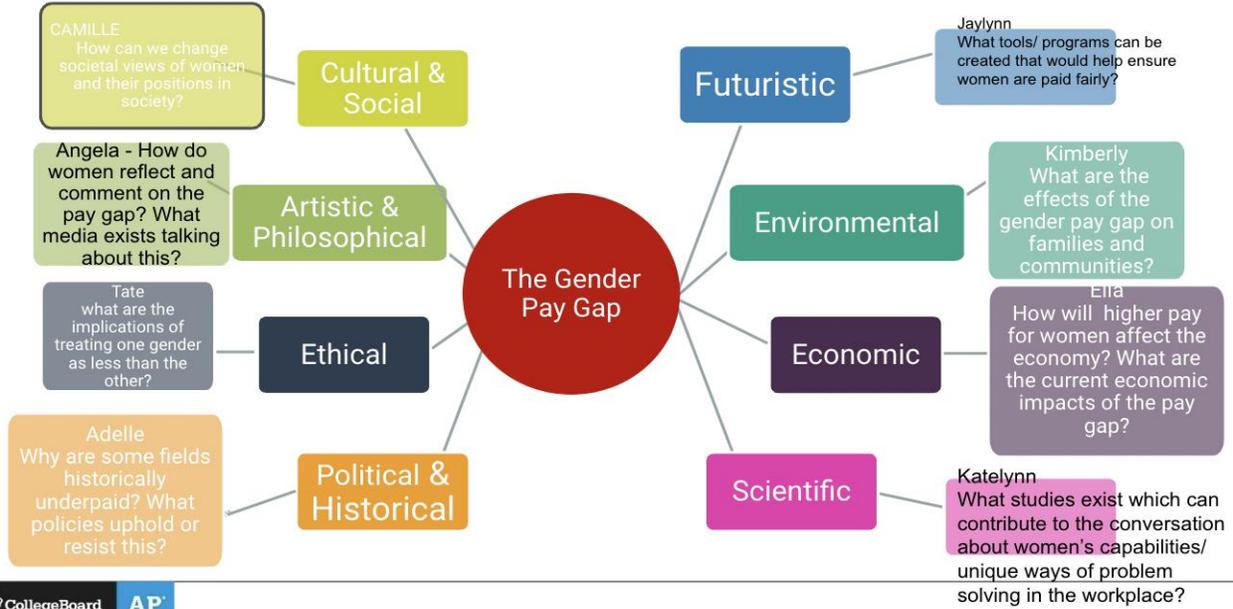
Lesson Plan: Lenses and Perspectives

Subject	AP Seminar: Women & Gender Studies
Topic	Formulating Research in Women & Gender Studies: Using disciplinary lenses to investigate a topic
Learning Objectives	<ul style="list-style-type: none"> <li>· Students will understand the difference between a disciplinary lens and a stakeholder perspective.</li> <li>· Students will practice generating research questions within various disciplinary lenses.</li> <li>· Students will analyze multiple perspectives within the women’s rights movement of the 1970s and identify major claims, evidence, and focus on disciplinary lenses.</li> </ul>
Curricular Requirements	<p>EU 1.1: Personal interest and intellectual curiosity inspire investigation of topics or issues that may or may not be clearly defined. A well-crafted investigation explores the complexity of an issue or topic. Further inquiry can lead to unexpected conclusions, resolutions, innovations, or solutions.</p> <p>EK 1.2A2: A variety of strategies (e.g., brainstorming, concept mapping, prewriting, exploration of space, drafting) can be used to illustrate, organize, and connect ideas</p>
Materials Needed	<p>Collaborative Google Slide Deck</p> <p>Texts:</p> <ol style="list-style-type: none"> <li>1. Statement of Purpose’ from the National Organization for Women 1966</li> <li>2. ‘What’s Wrong with Equal Rights for Women’ by Phyllis Schlafly</li> <li>3. ‘The Master’s Tools Will Never Dismantle the Master’s House’ by Audre Lorde</li> </ol>

**New Course**

<p>Lesson Structure</p>	<p>10 mins: Teacher will explain the difference between an overarching disciplinary lens and a perspective by sharing examples (a lens could be the historical lens and a perspective could be the point of view of a historical figure)</p> <p>20 mins: Lenses vs Perspectives activity. Students practice the concept of looking through disciplinary lenses by working on a google slide document on the sample question 'should we colonize mars'. They will work to generate perspectives and questions to consider through various disciplinary lenses (scientific, economic, artistic, etc.) Next, they will repeat the activity for a question within the field of Women &amp; Gender Studies: ‘How do we close the gender pay gap?’</p> <p>20 mins: Perspective Jigsaw Activity: Students will divide into small groups. Each group will be given a different perspective from the women’s rights movement of the 1970s. They will read aloud and then create ‘talking cards’ on notecards which include the speaker’s major points.</p> <p>20 mins: Students will conduct a ‘dinner party’ activity in which they use their talking cards to role play as stakeholders within the 1970s debate on gender equality.</p>
<p>Formative Assessment</p>	<p>20 mins: Students will reflect in writing to the prompt: What different perspectives were present in the 1970s women’s rights movement? What disciplinary lenses did the various stakeholders seem to focus on?</p>

Using Disciplinary Lenses to Investigate a Theme/Topic: Women’s Studies Focus



New Course

APPENDIX G

Lesson Plan: Charlotte Perkins Gilman Text Analysis

Subject	AP Seminar: Women & Gender Studies
Topic	Women’s Rights & Health- Exploring the works of Charlotte Perkins Gilman
Learning Objectives	<ul style="list-style-type: none"> <li>· Students will read and analyze two works by the same author which were written in two different genres. They will discuss genre conventions, audiences, and rhetorical tools used to convey argument.</li> </ul>
Curricular Requirements	<p>EK 3.1A1: An individual’s perspective is influenced by his or her background (e.g., experiences, culture, education), assumptions, and worldview, as well as by external sources</p> <p>EK 3.2A1: Critical thinkers are aware that some arguments may appeal to emotions, core values, personal biases and assumptions, and logic.</p> <p>EK 2.2B1: An argument’s context (time and purpose) and situation (in relation to other arguments) inform its interpretation.</p> <p>EK 2.2B4: Writers appeal to (or possibly manipulate) readers through a variety of strategies and techniques (e.g., language, authority, qualifiers, fallacies, emphasis).</p>
Materials Needed	<p>Shared Google Document</p> <p>Schoology Annotation Tool</p> <p>Close reading Questions: <i>The Yellow Wallpaper</i></p> <p><i>The Yellow Wallpaper</i> by Charlotte Perkins Gilman</p> <p>‘The Humanness of Women’ by Charlotte Perkins Gilman</p>

**New Course**

<p>Lesson Structure</p>	<p>30 mins: After completing the reading homework <i>The Yellow Wallpaper</i> by Charlotte Perkins Gilman, students will split into small groups to answer close reading questions about the text on a shared google document. Each group will read their response to their chosen question aloud to the class.</p> <p>Close reading question example: “‘Better in body perhaps—’ I began, and stopped short, for he [John] sat up straight and looked at me with such a stern, reproachful look that I could not say another word.” (p. 652) What seems to be John’s attitude about the narrator’s condition? How does this mirror society’s attitude at the time of publication regarding women’s mental health?</p> <p>15 mins: Within their small groups, students will locate one line from <i>The Yellow Wallpaper</i> that they believe contains argument and justify their choice to the class.</p> <p>30mins: Students will conduct a whole group reading of ‘The Humanness of Women’ by Charlotte Perkins Gillman and then individually annotate the piece for main idea, claims, evidence, and rhetorical devices. Students will color code the piece and share what they located with the class.</p>
<p>Formative Assessment</p>	<p>15 mins: Students will submit a written reflection on how Gilman used different mediums to convey argument by responding to the prompt: How did Charlotte Perkins Gilman use different mediums to create argument? What was the effect of each?</p>

**How did Charlotte Perkins Gilman use different mediums to create argument? What was the effect of each?**

Charlotte Perkins uses many different mediums, such as fiction and a rhetorical speech, to convey different points about women's rights and role (in her time) in society. "The Yellow Wallpaper" and "The Humanness of Woman" both comment on the same larger issue, albeit, in different ways.

The power in the "The Yellow Wallpaper" is shock value, primarily. The story almost serves as a cautionary tale, warning the reader of the result of reducing and isolating a woman and her struggles. As a result of being confined to a single room as a "cure" for "temporary nervous depression" by her husband (and patriarchal society for downplaying the health concerns women), the narrator experiences a mental breakdown, creeping and crawling on all fours by the end of the story. In this work, Gilman uses the medium of fiction to illustrate an extreme example of the issue presented, the negligence of women and women's health, and the negative consequences continuous ignorance of such subjects by the general public can and will have on people, like the narrator.

Unlike her fictional work, Gilman uses rhetorical strategies, akin to what is usually found in an argumentative piece, to express her main point in "The Humanness of Women". To get her argument across, Gilman uses bold claims, strong lines of reasoning, and supporting evidence. Because this piece is a rhetorical speech, the subtlety and metaphors used in "The Yellow Wallpaper" are not suitable. As a result, the meaning behind her message is a lot more impactful, due to how blunt she is with her word choice. Whereas the argument in "The Yellow Wallpaper" is implicit, the main point in "The Humanness of Women" is explicitly told.



Dear Researchers,

It's time to begin our first project in AP Seminar! The first semester of this research and writing intensive course must have a thematic focus and ours is Women's & Gender Studies! As we embark upon the first leg of our journey in seminar we will not only take a deep dive into the history of the women's rights movement, but we will look at contemporary issues that affect women today. The goal in seminar is always not only to identify problems, but to offer solutions. Therefore, your first project of the year will ask you to tackle the research question:

**What is the best way to address gender inequality in the workplace?**

In order to develop an answer to this question you will have to evaluate the issue from multiple perspectives, consider both the history and current data concerning workplace inequality, find credible sources to back up your stance, and consider the implications and consequences of any solution you propose. You will be responsible for:

- An argument essay addressing the class research question. This essay must include a minimum of four researched (and ravened) sources, and one primary source from the community. 1200 word limit.
- An annotated bibliography to accompany your essay in APA citation style.
- A three minute 'Elevator Pitch' presentation which summarizes the argument from your essay.

This first project will be individual, but it will build the skills you need in order to complete Performance Task 1 which is a group project, and Performance Task 2 which is individual. Get ready to practice reading, researching, writing, and presenting to tackle social issues in meaningful ways.

Gender equality in the workplace takes many forms—a noticeably lower number written on a paycheck, another snide comment objectifying physical appearance, an empty seat at the executive table. In comparison to male employees, female (and other-non-male workers) are subject to higher levels of gender-based discrimination in the professional environment. While gender equality in the workplace has steadily improved over the years, the progress is minimal at best. Social reformers and activists are still looking for permanent, long-term solutions to eliminate the systemic workplace inequity between men and women.

But to properly address and eliminate gender inequality in the workplace, we must tackle entrenched occupational segregation—the root of the socio-economic disparity between men and women in the labor force. Examining the causation and correlation between the two is a critical step towards social reform and the implementation of permanent solutions, such as initiatives to achieve demographic equity between job fields of all skill levels.

Traditionally, occupational segregation is defined as distribution of workers across various professions, usually measured by a specific set of demographic metrics. Like gender inequality, occupational segregation is an intersectional topic, meaning the discussion encompasses issues of race, color, religion, nationality, sexuality, rather than sex alone. Numerous factors account for the demographic patterns across different job fields as well as individual experiences of sex-based discrimination. When examining gender inequality in the workplace through the lenses of occupational segregation, it is important to remember how several factors, or “variables,” impact the shown trends, such as work environment or pay.

It is no secret that certain job fields have become “gendered,” or associated with one sex over another. Elementary school teachers, nurses, and secretaries are among the many occupations designated as “female” professions, while other titles, such as “manager,” “supervisor,” and “laborer” are exclusively male [1-3]. Over 40% of American women are employed in these female-dominated occupations of varying skills levels. Even fewer (5.5%) work in male-dominated environments, especially low-skill labor positions or jobs that require an intense educational background [2]. Such figures are alarming, considering the statistics related to average wages of employees in fields with a high percentage of women [2]. Studies have shown that the average earnings of female-dominated occupations are less than that of other professions (mixed and male-dominated) that require both the same education and skill level. The greater share of women in each profession, the lower the median earnings in comparison to male-dominated jobs of similar skill level.

In male-dominated jobs (25% or less women), the earnings are significantly higher in comparison to professions with a higher concentration of women. On average, a woman in a female-dominated profession will earn around 75% of a man, regardless of required skill level. Such occupational segregation provides women with a double disadvantage, both within and

**New Course**

between chosen occupations; lower earnings if the profession is female, and lower earnings because women earn less than men in any job. This wage gap is even greater for women of color, whose pay gap is magnified by both race/ethnicity and sex, doubled with earnings related to the gender-balance in their chosen profession [3].

Even if a woman chooses to pursue higher earnings—join a male-dominated profession—she may be subject to discrimination associated with the mostly single-gendered environment. Around 40% of women working in male-dominated professions reported discrimination and lesser treatment based on gender alone. Additionally, almost 50% of women employed in male-dominated professions believe sexual harassment is a massive issue in their workplace, much less so in comparison to those working in mixed-gender or female-dominated environments [4].

The solution to gender inequality in the workplace appears obvious: eliminate occupational segregation. The uneven distribution of people across different job fields has contributed to both the gender-wage gap and the toxic working environment in male-dominated professions. Changing the distribution of male and female workers across occupations of all skill level and educational background is essential to improving gender inequality in the workplace.

Starting with integration of male employees into traditionally female-dominated fields, the 40% of American women working such occupations will see a noticeable increase in their salaries. As studies have shown, a higher percentage of female workers in each occupation lowers overall earnings. Thus, salaries will increase as men enter these professions, reducing the gender wage gap. On the other side, employers in male-dominated professions should take efforts to retain current female workers. Many women working in these fields believe a positive micro-environment, or immediate surroundings, plays a huge role in deterring female employees from leaving. Increasing opportunities for women to display and build upon their skillset can significantly aid in career advancement. Additionally, a bottom-up approach to improving HR policies to reflect the employee input will also contribute to higher retention rates [5]. As more women continue working in male-dominated occupations, the number of female employees will increase, since these recruits will have positive role models to encourage them to stay with their job.

Of course, such a solution is not without its challenges. Attracting men to "pink-collar" jobs is a difficult feat, due to gendered social pressures surrounding masculinity and male roles. Many men would rather be unemployed than face the social stigma of working in a traditionally female job [6]. As for women, a sudden influx of males into a female-dominated profession can be a massive disadvantage [7-8]. Take the phenomena known as the "glass escalator;" an invisible force pushes men into high-ranking executive or administrative positions, leaving women behind in lower-paying and lower-ranking jobs. Such barriers also pose a threat to female-integration into all male jobs. Lower numbers of females in executive positions—or positive role models—can dissuade women from entering male-dominated professions.

While difficult to judge the efficacy of such solutions, it is certainly a start to addressing the causation behind gender inequality in the workplace; occupational segregation. Of course, the uneven distribution of employees across different job fields does not account for existing gender

**New Course**

wage gaps, or the presence of discrimination and rape culture in male-dominated workspaces. Such issues are only heightened by occupational segregation, rather than directly correlated. However, addressing gender inequality in the workplace with the mindset of integration—creating a balanced work environment, and eliminating single gender dominated professions—is certainly a start; a solution to minimize existing wage gaps and improve the microenvironment in the job-force.

**Bibliography**

[1] Gender Wage Gaps in the Most Common Occupations for Female and Male Full-Time US Workers, 2016 [Chart]. (2018). Gale Opposing Viewpoints Online Collection. Gale.

<https://link.gale.com/apps/doc/KRGDWE723328268/OVIC?u=j071902054&sid=bookmark-OVIC&xid=3a55cbb1>

This source displays the five most common occupations for full-time male and female employees and their median weekly earnings in a bar graph format. A third bar on the graph, below the earnings of male workers, is used to quantify the salaries of female employees as a percentage of men. The information presented is used to support the claims that certain occupations, such as “elementary school teacher” and “secretary” are pink-collar jobs.

[2] Hegewisch, A., Liepmann, H., Hayes, J., & Hartmann, H. (2010, September). Separate and Not Equal? Gender Segregation in the Labor Market and the Gender Wage Gap. *Institute*

*for Women's Policy Research*. <https://iwpr.org/wp-content/uploads/2020/08/C377.pdf>

In this academic journal, Hegewisch et al. examine the impact of occupational segregation on women’s salaries. The authors draw a negative correlation between the percentage of women in an occupation to median wages, in comparison to jobs of similar skill levels with different gender-balances. The findings of this report are used to emphasize the impact of occupational segregation on the wages of female employees and gender inequality in the workplace overall.

[3] Hegewisch, A., & Matite, M. (2014). Women's Wages Are Lower Due to Occupational Segregation. In N. Merino (Ed.), *Current Controversies. The Wage Gap*. Greenhaven

Press. (Reprinted from *The Gender Wage Gap by Occupation*, 2013)  
<https://link.gale.com/apps/doc/EJ3010529234/OVIC?u=j071902054&sid=bookmark-OVIC&xid=58fe6257>

**New Course**

This viewpoint essay—written by one of the authors behind Source 2—briefly explains the impact of occupational segregation on the wages of women. While lacking in detailed statistics, in comparison to Source 2, this source summarizes and reflects upon the main points of the briefing paper Hegewisch co-authored four years prior in an easily digestible manner. The essay elaborates on points, such as poverty wages and salaries by race/ethnicity, that the issue brief barely touched upon. The claims presented in the viewpoint essay back up and build upon the concept of intersectionality in occupational segregation and the gender wage gap.

[4] Parker, K. (March 7, 2018). Women in majority-male workplaces report higher rates of gender discrimination. *Pew Research Center*, Washington D.C. <https://www.pewresearch.org/fact-tank/2018/03/07/women-in-majority-male-workplaces-report-higher-rates-of-gender-discrimination/>

In this short read article, Kim briefly explains and analyzes statistics relating to reported instances of gender discrimination in the workplace. The author concludes, based on the responses of surveyed participants, that such discrimination in the workplace is more prevalent in male-dominated fields. The author’s summary of findings supports claims that occupational segregation, or a higher concentration of men in the workplace, is harmful for female employees, and gender inequality overall.

According to the College Board AP Seminar and AP Research located at AP Central [AP Central College Board Courses](#) students have more benefits academically which leads higher level writing, reading, and presentation skills fostering the groundwork for persistence in higher education.

The College Board argues “an English course taught in the AP Seminar style, English 10: AP Seminar helps students build foundational writing, collaboration, research, and presentation skills for future success in high school, college, and career.” (AP Central) In addition:

AP Seminar has broad benefits.

The course:

- Engages a wide range of students: The project-based learning model makes the course more relevant for more students. A more diverse group of students take and are successful in AP Seminar than any other AP course.
- Builds relevant skills: Students build skills foundational to college and career success, including investigating topics, conducting research, and presenting. They work in teams to investigate a real-world or academic problem and present an argument for their proposed solution.
- Improves outcomes: Taking AP Seminar in grade 10 specifically sets students up for future high school success.

AP Seminar and Research allow for cross curricular teaching and learning with other disciplines that foster the necessary skills needed for every student to succeed beyond high school as outlined in the following chart from AP classroom.

New Course

Skill	Description
1. Developments and Processes	Identify and explain historical developments and processes.
2. Sourcing and Situation	Analyze sourcing and situation of primary and secondary sources.
3. Claims and Evidence in Sources	Analyze arguments in primary and secondary sources.
4. Contextualization	Analyze the contexts of historical events, developments, or processes.
5. Making Connections	Using historical reasoning processes (comparison, causation, continuity and change), analyze patterns and connections between and among historical developments and processes.
6. Argumentation	Develop an argument.

Moreover, AP adheres to the following:

1. **AP is an unflinching encounter with evidence.** AP courses enable students to develop as independent thinkers and to draw their own conclusions. Evidence and the scientific method are the starting place for conversations in AP courses.
2. **AP opposes censorship.** AP is animated by a deep respect for the intellectual freedom of teachers and students alike. If a school ban required topics from their AP courses, the AP Program removes the AP designation from that course and its inclusion in the AP Course Ledger provided to colleges and universities. For example, the concepts of evolution are at the heart of college biology, and a course that neglects such concepts does not pass muster as AP Biology.
3. **AP opposes indoctrination.** AP students are expected to analyze different perspectives from their own, and no points on an AP Exam are awarded for agreement with a viewpoint. AP students are not required to feel certain ways about themselves or the course content. AP courses instead develop students’ abilities to assess the credibility of sources, draw conclusions, and make up their own minds.
4. **AP courses foster an open-minded approach to the histories and cultures of different peoples.** The study of different nationalities, cultures, religions, races, and ethnicities is essential within a variety of academic disciplines. AP courses ground such studies in primary sources so that students can evaluate experiences and evidence for themselves.
5. **Every AP student who engages with evidence is listened to and respected.** Students are encouraged to evaluate arguments but not one another. AP classrooms respect diversity in backgrounds, experiences, and viewpoints. The perspectives and contributions of the full range of AP students are sought and considered. Respectful debate of ideas is cultivated and protected; personal attacks have no place in AP.

APPENDIX L

**AP Seminar Syllabus 2022/2023**

Audit Syllabus

**Course Overview:**

“In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence based arguments.”- AP Seminar CED

### **New Course**

In this course, students will develop the skills above through the exploration of issues in Women & Gender Studies. After reviewing the history of gender inequality through multiple lenses, students will develop research questions and investigate issues affecting the field today with the intent of proposing solutions. AP Seminar is a prerequisite for AP research, and the work we do in this course including all required assessment components will help students develop the skills to be successful in AP Research. In AP Research, students cultivate the skills and discipline necessary to conduct independent research and inquiry in order to produce and defend their scholarly work.

### **Course Goals**

The AP Seminar program aims to empower students by:

- Engaging students with rigorous college-level curricula focused on the core academic skills necessary for successful college completion
- Extending students’ abilities to synthesize information from multiple perspectives and apply skills in cross-curricular contexts and in new situations
- Empowering students to collect and analyze information with accuracy and precision
- Cultivating students’ abilities to craft, communicate, and defend evidence-based arguments
- Providing opportunities for students to practice disciplined and scholarly research skills applied to relevant topics of their interest

### **Pedagogical Framework**

The AP Capstone program follows the ‘QUEST’ framework which is designed to engage students in several ‘big ideas’ which pose essential questions:

Q – Question and explore: Challenge and expand the boundaries of your current knowledge

U – Understand and analyze: Contextualize arguments and comprehend authors’ claims

**New Course**

E – Evaluate multiple perspectives: Consider individual perspectives and the larger conversation of varied points of view.

S – Synthesize ideas: Combine knowledge, ideas, and your own perspective into an argument

T – Team, transform, and transmit: Collaborate, reflect, and communicate your argument in a method suited to your audience.

**Evaluation & Grading**

Students will be graded based on in class-participation, completion of homework assignments, and formative and summative assessments.

**Student Expectations**

1. It is **critical** to come to class prepared every day. This includes having your homework, charged devices, and other materials with you at the start of class.
2. Be responsible and be engaged. The nature of this course is designed to have you work in groups/teams frequently. **[CR2]** As such, some of the graded work you do in this class will require you to function effectively as a member of a team. Issues regarding interpersonal communication and the responsibilities of the group should be brought to my attention immediately. Do not wait for your grade to suffer before you inform me of any issues.
3. Lessons have been designed to create an open forum for the exchange of thoughts and opinions. You will be expected to be on task at all times and to respect the thoughts/opinions of your classmates.

**[CR2]**- Students develop and apply collaboration skills identified in the learning objectives within the Big Idea 5: Team, Transform, and Transmit.

**Late Work Policy**

*Curriculum Standards and Student Support Division*

**New Course**

Per district policy, you have five school days to submit your work after the due date. After the five-day window, you can only submit work for a **maximum** grade of 70%. Students with accommodation regarding late work will have their individualized plans adhered to.

Please note that this is a rigorous college level course which requires you to complete reading at home in order to use class time for activities, discussions, and writing. If you are routinely utilizing the ‘five day’ policy to turn in work after the due date, you will fall behind in class and it will be reflected in your grade. **Students who elect to take AP courses are expected to do the work required on time.** If you should have an emergency or have a legitimate reason to require an extension, please see me and I will work with you.

**AP Exam**

In AP Seminar students are assessed through two ‘in course’ performance tasks and one end-of-course exam which will take place this year on May 4<sup>th</sup>. The major difference between this and other AP courses is that a portion of the AP score will be derived from students handwritten work on the May AP exam as well as individual and group research projects beginning in January 2022 and ending on April 30<sup>th</sup>. For performance task 1, the group will have agency in determining the topic of the group research project. For performance task 2, the individual research project will be based on stimulus materials provided by the College Board in early January. The scoring of exam components are below:

*Performance Task #1: Team Project and Presentation — 20% of AP Seminar Score*

Component	Approximate Dates	Scoring Method	Weight	Percent of AP score
Individual research report (IRR, 1,200 words)		College Board scored	50% of 20%	10

**New Course**

Team multimedia presentation and defense (TMP, 8 to 10 minutes, plus defense questions)	Late December through early February	Teacher scored (group score)	50% of 20%	10
---	--------------------------------------	------------------------------	------------	----

*Performance Task 2: Individual Research-Based Essay and Presentation — 35% of AP Seminar Score*

Component	Approximate Dates	Scoring Method	Weight	Percent of AP score
Individual written argument (IWA, 2,000 words)	Early February through late April	College Board scored	70% of 35%	24.5
Individual multimedia presentation (IMP, 6 to 8 minutes)		Teacher scored	20% of 35%	7
Oral defense (OD, two questions from the teacher)		Teacher scored	10% of 35%	3.5

*End-of-Course Exam (2 Hours) — 45% of AP Seminar Score*

Component	Date and Time	Scoring Method	Weight	Percent of AP score
-----------	---------------	----------------	--------	---------------------

**New Course**

Understanding and analyzing an argument (3 short-answer questions); suggested time: 30 minutes	May 4th	College Board scored	30% of 45%	13.5
Evidence-based argument essay (1 long essay); suggested time: 90 minutes		College Board scored	70% of 45%	31.5

**Plagiarism Policy:**

This course adheres rigorously to College Board’s policy. According to the College Board, “Violations of program policies and/or exam procedures may result in the cancellation of student scores and/or the school being withdrawn from the AP Capstone program by the College Board’s AP Program.”

**AP Capstone Policy on Plagiarism and Falsification or Fabrication of Information [CR4b]**

Participating teachers shall inform students of the consequences of plagiarism and instruct students to ethically use and acknowledge the ideas and work of others throughout their course work. The student’s individual voice should be clearly evident, and the ideas of others must be acknowledged, attributed, and/or cited.

A student who fails to acknowledge the source or author of any and all information or evidence taken from the work of someone else through citation, attribution or reference in the body of the work, or through a bibliographic entry, will receive a score of 0 on that particular component of the AP Seminar and/or AP Research Performance Task. In AP Seminar, a team of students that fails to properly acknowledge sources or authors on the Team Multimedia Presentation will receive a group score of 0 for that component of the Team Project and Presentation.

### New Course

A student who incorporates falsified or fabricated information (e.g. evidence, data, sources, and/or authors) will receive a score of 0 on that particular component of the AP Seminar and/or AP Research Performance Task. In AP Seminar, a team of students that incorporates falsified or fabricated information in the Team Multimedia Presentation will receive a group score of 0 for that component of the Team Project and Presentation. **[CR4]**

#### Unit Sequence:

The theme of this year’s course is Issues in Women & Gender Studies. Each of the instructional units will address this theme using a different question **[CR1]**. Instructional units in the fall semester will precede spring semester’s two performance task units and concluding unit. Units will address workplace inequality, the intersections between gender and health, and analyze the struggle for gender equality through history. Unit themes will be examined from economic, social, cultural, political, scientific, futuristic, ethical, and environmental lenses. **[CR1]**

**[CR1]**- Students explore complexities of one or more themes by making connections within, between, and/or among multiple cross-curricular areas and by exploring multiple perspectives and lenses (e.g., cultural and social, artistic and philosophical, political and historical, environmental, economic, scientific, futuristic, ethical) related to those themes.

## Unit 1: Gender Inequality (Weeks 1-6)

#### Curricular Requirements:

- CR 1: Students explore the complexities of one or more themes by making connections within, between, and/or among multiple cross-curricular areas and by exploring multiple perspectives and lenses (e.g., cultural and social, artistic and philosophical, political and historical, environmental, economic, scientific, futuristic, ethical) related to those themes.
- CR 3: Students gain a rich appreciation and understanding of issues through the following activities: reading articles and research studies; reading foundational, literary,

**New Course**

and philosophical texts; viewing and listening to speeches, broadcasts, and/or personal accounts; and experiencing artistic works and performances.

**Thematic Essential Questions:**

- How can we research & propose solutions to issues that affect women today?
- What is the best way to address gender inequality in the workplace?

**Big Idea Essential Questions Present in this Unit**

**1: Question & Explore**

- How does the context of a problem or issue affect how it is interpreted or presented?
- How might others see the problem or issue differently?
- What do I want to know, learn, or understand?
- What information do I need to answer my question?
- What keywords should I use to search for information about this topic?

**2: Understand & Analyze**

- What strategies will help me comprehend a text?
- What is the argument's main idea and what reasoning does the author use to develop it?
- Why might the author view the issue this way?
- What biases may the author have that influence his or her perspective?
- What are the implications of this argument?

**3: Evaluate Multiple Perspectives**

- What patterns or trends can be identified among the arguments about this issue?
- How can I connect the multiple perspectives? What other issues, questions, or topics do they relate to?
- From whose perspective is this information being presented and how does that affect my evaluation?

**4: Synthesize Ideas**

*Curriculum Standards and Student Support Division*

**New Course**

- How do I connect and analyze the evidence in order to develop an argument and support a conclusion?
- Are there other conclusions I should consider?

**5. Team, Transform, and Transmit**

- How can I best appeal to and engage my audience?
- How might my communication choices affect my credibility with my audience?

**Enduring Understandings Present in this Unit**

- EU 1.2: Strengthening and understanding of a concept of issue requires questioning existing ideas, using what is known to discover what is not known, and making connections to prior knowledge.
- EU 1.4: The relevance and credibility of the source of information is determined by the context of its use.
- EU 2.1: Authors express their ideas, perspectives, and/or arguments through their works. The first step in evaluating an author’s perspective or argument is to comprehend it. Such comprehension requires reading, viewing, listening, and thinking critically.
- EU 2.2: Authors choose evidence to shape and support their arguments. Individuals evaluate. The line of reasoning and evidence to determine to what extent they believe or accept an argument.
- EU 2.3: Arguments have implications and consequences.
- EU 3.1: Different perspectives often lead to competing and alternative arguments. The complexity of an issue emerges when people bring these differing, multiple perspectives to the conversation.
- EU 3.2: Not all arguments are equal; some arguments are more credible/valid than others. Through evaluating others’ arguments, one’s own arguments can be situated within a larger conversation.

**New Course**

- EU 4.1: Scholarly works convey perspectives and demonstrate effective lines of reasoning that have been selected for the intended audience purpose, and situation
- EU 4.2: Scholars responsibly and purposefully engage with the evidence to develop a compelling argument or aesthetic rationale.
- EU 4.4: Forming one’s own perspective and reaching new understandings involve innovative thinking and synthesis of existing knowledge with personally generated evidence.
- EU 4.5: Arguments, choices, and solutions present intended and unintended opportunities, and consequences.
- EU 5.1: How a perspective or argument is presented affects how people interpret or react to it. The same perspective or argument may be developed and presented differently depending on audience purpose, and context.
- EU 5.3: Reflection increases learning, self-awareness, and personal growth through identification and evaluation of personal conclusions and their implications.

**Summative Assessments**

- Argument Essay & Annotated Bibliography
  - Students will construct an argument essay of 1200-2000 words which contains a defensible thesis statement, a clear line of reasoning, and the incorporation of a minimum of four credible sources (including one primary source) answering the unit research question ‘What is the best way to address gender inequality in the workplace?’
  - Students will create an annotated bibliography in APA format to accompany their paper.
- ‘Elevator Pitch’ Oral Presentation

**New Course**

- Students will take the material from their argument essay and use it to construct an oral ‘elevator pitch’ in which they will have three minutes to summarize their argument and convey a line of reasoning.

**Texts & Learning Plan**

Various text lenses identified in blue

**Week One: Introduction to Women’s & Gender Studies**

Learning Objectives covered this week:

LO 1.2A: Retrieving, questioning, organizing, and using prior knowledge about a topic.

LO 4.4A: Extending an idea, question, process, or product to innovate or create new understandings.

LO 2.2A: Explaining and analyzing the logic and line of reasoning of an argument.

LO 2.1B: Summarizing and explaining a text’s main idea or aim while avoiding faulty generalizations and oversimplification.

Essential Knowledge covered this week:

EK 1.2A1: Understanding comes not only through collection of information but also from a variety of other factors (e.g., experience, external sources, cultural context, assumptions).

EK 1.2A2: A variety of strategies (e.g., brainstorming, concept mapping, prewriting, exploration of space, drafting) can be used to illustrate, organize, and connect ideas

EK 1.2A3: Inquiry confirms or challenges one’s existing understandings, assumptions, beliefs, and/or knowledge.

EK 4.2A1: Evidence can be collected from print and non-print sources (e.g., libraries, museums, archives), experts, or data gathered in the field (e.g., interviews, questionnaires, observations).

EK 4.2A3: Evidence is strategically chosen based on context, purpose, and audience. Evidence may be used to align an argument with authority; to define a concept, illustrate a process, or clarify a statement; to set a mood; to provide an example; to amplify or qualify a point.

EK 4.4A1: Innovative solutions and arguments identify and challenge assumptions, acknowledge the importance of content, imagine and explore alternatives, and engage in reflective skepticism.

EK 2.1A4: Perspectives are shared through written, spoken, visual, or performance texts. A perspective includes the writer’s attitude/tone regarding the subject and is expressed through an argument.

**New Course**

EK 2.1B1: The main idea of an argument is often expressed in the thesis statement, claim, or conclusion, or implied throughout a work.

EK 2.1B2: Artistic works (e.g., painting, film, music, dance) convey a perspective. Analysis of a work’s context, subject, structure, style, and aesthetic is critical to understanding its aims.

**Activities:**

- Students will synthesize individual research of definitions, images, quotes and ideas to define key terms in W&GS.
- Students will read and annotate the article ‘Why Take Gender Studies Courses’ from Psychology Today ([Social, Scientific](#)) and identify main idea, evidence, and line of reasoning.
- Students will watch & identify argument and communication choices in oral presentations of poetry: ‘Chasms’ by Asali DeVan Ecclesiastes ([Artistic](#)) and ‘Wild Woman’ by Sunni Patterson ([Artistic](#)).

**Week Two: First Wave Feminism**

**Learning Objectives covered this week:**

LO 2.2A: Explaining and analyzing the logic and line of reasoning of an argument.

LO 2.3A: Connecting an argument to broader issues by examining the implications of the author’s claim.

LO 2.3B: Evaluating potential resolutions, conclusions, or solutions to problems or issues raised by an argument.

LO 3.1A: Identifying, comparing, and interpreting multiple perspectives on or arguments about an issue.

LO 3.2A: Evaluating alternate, opposing, or competing perspectives or arguments, by considering their implications and limitations.

LO 4.1A: Formulating a well-reasoned argument, taking the complexities of the problem or issue into consideration.

LO 5.1A: Planning, producing, and presenting a cohesive argument, considering audience, context, and purpose.

LO 5.1C: Communicating information through appropriate media using effective techniques of design.

**Essential Knowledge covered this week:**

EK 2.1A1: Reading critically means reading closely to identify the main idea, tone, assumptions, context, perspective, line of reasoning, and evidence used.

**New Course**

EK 2.1A2: Strategies active readers use to preview and prioritize a written text include skimming, scanning, rereading, and questioning.

EK 2.3A1: The implications and consequences of arguments may be intended or unintended.

EK 2.2A5: Effective arguments acknowledge other arguments and/or respond to them with counterarguments (e.g., concession, refutation, rebuttal).

EK 2.3B1: Arguments are significant and have real-world impact because they can influence behavior (e.g., call one to action, suggest logical next steps).

EK 3.1A1: An individual's perspective is influenced by his or her background (e.g., experiences, culture, education), assumptions, and worldview, as well as by external sources.

EK 3.1A2: Perspectives are not always oppositional; they may be concurring, complementary, or competing.

EK 3.2A1: Critical thinkers are aware that some arguments may appeal to emotions, core values, personal biases and assumptions, and logic.

EK 3.2A2: When evaluating multiple perspectives or arguments, consideration must be given to how one's own personal biases and assumptions can influence one's judgment.

EK 4.1A1: Effective arguments use reason and evidence to convey a perspective, point of view, or some version of the truth that is stated or implied in the thesis and/or conclusion.

EK 4.1A2: Effective arguments are supported and unified by carefully chosen and connected claims, reasons, and evidence.

EK 4.1A4: Effective arguments acknowledge other arguments and/or respond to them with counterarguments (e.g., concession, refutation, rebuttal).

EK 5.1A1: An argument may include the following elements:► Introduction: engages the audience by providing background and/or context► Thesis: conveys the main idea of an argument► Reasons, evidence, and commentary: provide support for the argument► Counterargument, concession, refutation, and rebuttal: acknowledge and/or respond to opposing arguments► Conclusion: synthesizes reasoning, considers possible implications for the future, and ties back to the introduction► Bibliography: identifies works cited

EK 5.1C1: Effective organizational and design elements (e.g., headings, layout, illustrations, pull quotes, captions, lists) may aid in audience engagement and understanding by calling attention to important information and/or creating emotional responses in the audience. Ineffective use or overuse of these elements disrupts audience engagement and understanding.

**Activities**

**New Course**

- Students will begin with an introductory activity in which they use images to construct a line of reasoning around a simple debatable topic (cats vs dogs) and present their argument to the class.
- Students will review the ‘Seneca Falls Declaration of Sentiments’ (**Political, Historical**) to identify main ideas claims, and evidence.
- Students will read ‘The Solitude of Self’ by Elizabeth Cady Stanton (**Historical, Social**) and track her line of reasoning through the speech.
- Students will watch an oral presentation of ‘Aint I a Woman?’ by Sojourner Truth (**Historical, Social**) and hold small group discussions on how her perspective differs from her contemporaries.
- Students will listen to a reading of ‘A Women’s Rights Man’ by Frederick Douglas (**Historical**) and identify his argument and line of reasoning. Students will then reflect on the implications of his perspective within the ongoing debate.
- Students will construct a ven diagram using textual evidence from the week’s readings to compare and contrast the varying perspectives and values present during the Seneca Falls convention.
- Students will conduct an at-home reading of the short story ‘The Yellow Wallpaper’ by Charlotte Perkins Gillman (**Artistic, Ethical**) and come to class ready to respond to close reading questions focused on how this story uses the medium of fiction to offer a perspective on gender inequality.
- Students will read ‘The Humanness of Women’ by Charlotte Perkins Gillman (**Historical, Social**) and identify her main idea, claims, evidence and line of reasoning. They will then compare how she used different mediums to convey argument.

**Week Three: Second Wave Feminism**

**Learning Objectives covered this week:** All LO’s from Week 2

**Essential Knowledge covered this week:** All EK’s from Week 2

*Curriculum Standards and Student Support Division*

**New Course**

- Students will read the ‘Statement of Purpose’ from the National Organization for Women 1966 ([Political, Historical](#)) and identify purpose, claims, evidence, and historical context.
- Students will read ‘What’s Wrong with Equal Rights For Women’ by Phyllis Schlafly ([Historical, Social](#)) to analyze argument and line of reasoning. Students will evaluate how this argument is in conflict with the NOW statement of purpose.
- Students will read ‘The Master’s Tools Will Never Dismantle the Master’s House’ by Audre Lorde ([Historical, Cultural](#)), identify her claims and line of reasoning, and analyze which other perspectives her speech is in concert or conflict with.
- Students will conduct a ‘dinner party’ activity in which they role play as stakeholders within the 1970s debate on gender equality.
- Students will read ‘I Want a Wife’ by Judy Brady ([Artistic](#)) and discuss how the medium of literary nonfiction can be used to construct argument.
- Students will conduct an at-home reading of *The Feminine Mystique* excerpt by Betty Friedan ([Artistic, Social](#)) and come to class prepared to answer close reading questions focused on how this piece offers a perspective on gender inequality.

**Week Four: Third Wave Feminism**

Learning Objectives covered this week:

LO 2.2B: Evaluating the relevance and credibility of evidence used to support an argument, taking context into consideration.

LO 2.2C: Evaluating the validity of an argument.

LO 4.2A: Interpreting, using, and synthesizing qualitative and/or quantitative data/information from various perspectives and sources (e.g., primary, secondary, print, non-print) to develop and support an argument.

LO 4.2B: Providing insightful and cogent commentary that links evidence with claims.

Essential Knowledge covered this week:

**New Course**

EK 2.2B1: An argument’s context (time and purpose) and situation (in relation to other arguments) inform its interpretation.

EK 2.2B2: Writers use qualitative and/or quantitative evidence (e.g., facts, data, observations, predictions, analogies, explanations, opinions) to support their claims. Evidence has varying degrees of validity.

EK 2.2B3: Authors strategically include evidence to support their claims.

EK 2.2B4: Writers appeal to (or possibly manipulate) readers through a variety of strategies and techniques (e.g., language, authority, qualifiers, fallacies, emphasis).

EK 2.2B5: Evidence may be used to identify and explain relationships (comparative, causal, or correlational) and/or patterns and trends.

EK 2.2B6: Credibility is compromised when authors fail to acknowledge and/or consider the limitations of their conclusions, opposing views or perspectives, and/or their own biases.

EK 4.2A2: Evidence is used to support the claims and reasoning of an argument. Compelling evidence is sufficient, accurate, relevant, current, and credible to support the conclusion.

EK 4.2A4: The evidence selected and attributed contributes to establishing the credibility of one’s own argument.

EK 4.2B1: Commentary connects the chosen evidence to the claim through interpretation or inference, identifying patterns, describing trends, and/or explaining relationships (e.g., comparative, causal, correlational).

- Students will be introduced to the unit’s research question ‘What is the best way to address gender inequality in the workplace?’ and go through the process of evaluating it through the questions:
  - Does it require a judgement?
  - Is it simple (no nested questions)?
  - Is this an area of ongoing debate?
  - Are there multiple perspectives about this topic?
  - Is it researchable?
- Students will read ‘I am the Third Wave’ by Rebecca Walker ([Social, Philosophical](#)) to identify main idea, claims, and line of reasoning. They will conduct small group discussions and identify the problems that ‘third wave feminism’ seems to be concerned with based on this perspective. Next, students will evaluate the validity of the speaker’s argument based on her potential biases.

**New Course**

- Students will watch ‘Professor Kimberle Krenshaw Defines Intersectionality’ Ted Ed Video ([Cultural](#), [Social](#)) and reflect on the meaning and implications of intersectionality.
- Students will engage in ‘source credibility’ game where they work in groups to group various resources (websites, journals, news publications, blogs, etc.) into categories of credibility using the RAVEN criteria.
- Students will ‘jigsaw’ various sources (below) addressing the class research question. They will take each source through the RAVEN credibility check and be ready to summarize the main idea, type of evidence used, organization, and line of reasoning of the article/media to the class.
  - Faculty Debate on Gender Quotas video from Columbia University ([Social](#))
  - ‘A Seat at the Table Isn’t the Solution for Gender Equity’ - Ted Talk by Lily Singh ([Social](#), [Cultural](#))
  - ‘How to close the Gender Gap’ - Harvard Review ([Economic](#))
  - ‘Gender Inequality, Work Hours, and the Future of Work’ - Institute for Women’s Policy Research ([Futuristic](#), [Ethical](#))
  - ‘Factsheet: Gender Wage Inequality in the United States and What to Do About It’ - The Washington Center for Equitable Growth ([Economic](#))
- Students will conduct an at-home viewing of *We Should All be Feminists* by Chimamanda Adiche ([Cultural](#), [Political](#)) and come to class prepared to answer close reading questions focused on how Adiche’s major claims and line of reasoning as well as how her experiences have shaped her perspective.

**Week Five: Constructing Argument**

**Learning Objectives covered this week:**

*Curriculum Standards and Student Support Division*

**New Course**

LO 1.3A: Accessing and managing information using effective strategies.

LO 1.5A: Identifying the information needed for the context of the inquiry.

LO 4.1A: Formulating a well-reasoned argument, taking the complexities of the problem or issue into consideration.

LO 4.3A: Attributing knowledge and ideas accurately and ethically, using an appropriate citation style.

LO 4.5A: Offering resolutions, conclusions, and/or solutions based on evidence considering limitations and implications.

**Essential Knowledge covered this week:**

EK 1.3A1: Information used to address a problem may come from various secondary sources (e.g., articles, other studies, analyses, reports) and/or primary sources (e.g., original texts and works, material culture, or personally collected data such as from experiments, surveys, questionnaires, interviews, observations, personal narratives).

EK 1.3A2: Online databases (e.g., EBSCO, ProQuest, JSTOR, Google Scholar) and libraries catalog and house secondary and some primary sources.

EK 1.3A3: Advanced search tools, Boolean logic, and key words allow scholars to refine, focus, and/or limit their searches based on a variety of factors (e.g., date, peer-review status, type of publication).

EK 1.5A1: The way the problem is posed, situated, framed, or contextualized will guide the inquiry process and influence the type of information needed and the appropriate method of gathering it.

EK 4.1A1: Effective arguments use reason and evidence to convey a perspective, point of view, or some version of the truth that is stated or implied in the thesis and/or conclusion.

EK 4.1A2: Effective arguments are supported and unified by carefully chosen and connected claims, reasons, and evidence.

EK 4.1A3: Qualifiers place limits on how far a claim may be carried. Effective arguments acknowledge these limits, increasing credibility by reducing overgeneralization or oversimplification.

EK 4.1A4: Effective arguments acknowledge other arguments and/or respond to them with counterarguments (e.g., concession, refutation, rebuttal).

EK 4.1A5: The line of reasoning is a clear, logical path leading the audience through the reasons to a conclusion.

EK 4.1A6: The logic and reasoning of an argument may be deductive (claim followed by evidence) or inductive (evidence leads to a conclusion).

EK 4.1A7: A line of reasoning is organized based on the argument's purpose (e.g., to show causality, to evaluate, to define, to propose a solution).

EK 4.1A8: Claims and supporting evidence are arranged (e.g., spatially, chronologically, order of importance) to convey reasoning and relationship (e.g., comparative, causal, correlational).

**New Course**

EK 4.1A9: The same argument may be organized, arranged, or supported in multiple ways depending on audience and context.

EK 4.3A1: Accurate and ethical attribution enhances one’s credibility.

EK 4.3A2: Plagiarism is a serious offense that occurs when a person presents another’s ideas or words as his or her own. Plagiarism may be avoided by acknowledging sources thoroughly and accurately.

EK 4.3A3: Source material should be introduced, integrated, or embedded into the text of an argument.

EK 4.3A4: Quoted and paraphrased material must be properly attributed, credited, and cited following a style manual. Quoting is using the exact words of others; paraphrasing is restating an idea in one’s own words.

EK 4.3A5: Academic disciplines use specific style guides for citing and attributing sources (e.g., APA, MLA, Chicago, AMA).

EK 4.5A1: When proposing a solution, the advantages and disadvantages of the options and alternatives should be weighed against the goal within its context.

**Activities:**

- Students will visit the University of Texas at El Paso’s Women & Gender Studies Department to review databases and receive a workshop on locating credible sources.
- Students will engage in a workshop in which they use the class research question to gather resources learning strategies for refining focus.
- Students will engage in a class activity in which they determine whether certain student practices count as plagiarism.
- Students will work in teams to determine the demands of different citation styles.
- Students will self-select high quality sources with which to write their argument essay. Each source selected will be checked through the RAVEN process and kept in an online portfolio for reference.
- For each selected source, students will identify purpose, main idea, claims, line of reasoning, and whether the piece uses inductive or deductive reasoning.
- Students will review the rubric for the IWA (the writing performance assessment most closely related to their argument essay) and use it during peer review and teacher

**New Course**

conference on the first draft of their essay. Peer reviews will search for clear main idea, line of reasoning, evidence based claims, and attribution of source material.

- Students will evaluate the solution proposed in their IWA to make sure it addresses both advantages and disadvantages as well as alternative options.

**Week Six: Constructing High Quality Oral Presentations**

**Learning Objectives covered this week**

LO 5.1A: Planning, producing, and presenting a cohesive argument, considering audience, context, and purpose.

LO 5.1C: Communicating information through appropriate media using effective techniques of design.

LO 5.1D: Adapting an argument for context, purpose, and/or audience.

LO 5.1E: Engaging an audience by employing effective techniques of delivery or performance.

**Essential Knowledge covered this week**

EK 5.1B1: A writer expresses tone or attitude about a topic through word choice, sentence structure, and imagery.

EK 5.1B2: Effective sentences create variety, emphasis, and interest through structure, agreement of elements, placement of modifiers, and consistency of tense.

EK 5.1B3: Precision in word choice reduces confusion, wordiness, and redundancy.

EK 5.1B4: Spelling and grammar errors detract from credibility.

EK 5.1C1: Effective organizational and design elements (e.g., headings, layout, illustrations, pull quotes, captions, lists) may aid in audience engagement and understanding by calling attention to important information and/or creating emotional responses in the audience. Ineffective use or overuse of these elements disrupts audience engagement and understanding.

EK 5.1C2: Data and other information can be presented graphically (e.g., infographics, graphs, tables, models) to aid audience understanding and interpretation.

EK 5.1C3: Effective communication requires choosing appropriate media (e.g., essay, poster, oral presentation, documentary, research report/thesis) according to context, purpose, and audience.

EK 5.1D1: Arguments can be adapted by strategically selecting and emphasizing information considering audience, situation, medium, and purpose.

EK 5.1E1: Speakers vary elements of delivery (e.g., volume, tempo, movement, eye contact, vocal variety, energy) to emphasize information, convey tone, and engage their audience.

**New Course**

**Activities**

- Students will script and conduct oral presentations (Elevator speeches) summarizing their argument essay using the rubric for the IMP (the performance assessment most closely related to this task). The elevator pitch must display understanding of audience, medium, and purpose.
- Students will create visual aids to present key information graphically and practice referencing the visual material during their elevator speech.
- Students will peer review the scripted elevator speech to check for effective transitions, sentence structure, and precision of word choice.
- Students will present their ‘Elevator Pitch’ to the class and answer teacher posed questions. Afterwards, the class will reflect on they ways in which volume, tempo, and energy affected their performances.
- Students will reflect on both their oral performance and on the process of researching for their argument essay.

## **Unit 2: Exploring Women & Gender Issues (Mock Performance Task 1) (Weeks 7-14)**

**Curricular Requirements:**

- CR 2a: Students develop and apply discrete skills identified in the learning objectives of the enduring understandings within the following five big ideas:›
  - CR 2b: Question and Explore
  - CR 2c: Understand and Analyze Arguments
  - CR 2d: Evaluate Multiple Perspectives
  - CR 2e: Synthesize Ideas
  - CR 2f 2g and 2h: Team, Transform, and Transmit

**New Course**

- CR 4: Students develop an understanding of how to ethically use others’ knowledge and ideas in their own work, avoiding plagiarism.
- CR 5: Students work collaboratively with a team to identify, investigate, analyze, and evaluate a real-world or academic problem or issue; consider and evaluate alternatives or options; propose one or more solutions or resolutions; and present and defend the argument for their solutions through a multimedia presentation.

**Thematic Essential Questions:**

- How can we develop high quality, defensible research questions?
- How can we locate and evaluate credible sources?
- How can we transmit information in engaging and persuasive ways?
- How can our work in researching help to solve contemporary issues women face?

**Big Idea Essential Questions Present in this Unit**

All Unit 1 Essential Questions plus:

- What questions have yet to be asked?
- What voices or perspectives are missing from my research?
- How does my research question shape how I go about trying to answer it?
- What common misconceptions might my audience have?
- How might I adapt my argument for different audiences and situations?
- What contributions can I offer to a team?
- What is the benefit of revision?
- How can I benefit from reflecting on my own work?

**Enduring Understandings Present in this Unit**

All EU’s from Unit 1 Plus:

EU 1.1: Personal interest and intellectual curiosity inspire investigation of topics or issues that may or may not be clearly defined. A well-crafted investigation explores the complexity of an

**New Course**

issue or topic. Further inquiry can lead to unexpected conclusions, resolutions, innovations, or solutions.

EU 5.2: Teams are most effective when they draw on the diverse perspectives, skills, and backgrounds of team members to address complex, open-ended problems.

**Learning Objectives covered in this unit:**

All LO's from Unit 1 Plus:

LO 1.1B: Posing questions and seeking out answers that reflect multiple, divergent, or contradictory perspectives.

LO 5.2A: Providing individual contributions to overall collaborative effort to accomplish a task or goal.

LO 5.2B: Fostering constructive team climate, resolving conflicts, and facilitating the contributions of all team members to address complex, open-ended problems.

**Essential Knowledge covered in this unit:**

All EK's from Unit 1 Plus:

EK 1.1B1: Effective research questions lead to an examination taking into account the complexity of a problem or issue.

EK 1.1B2: The inquiry process allows one to draw upon curiosity and imagination to engage with ideas or explore approaches to complex issues.

EK 5.2A1: Knowing and communicating one's strengths and challenges to a group allows one's contributions to be more effective.

EK 5.2B1: Teams are built around tasks. Low-risk teambuilding activities and simulations enhance a team's performance.

EK 5.2B2: Teams function at their best when they understand the diversity of their social-cultural perspectives, talents, and skills.

EK 5.2B3: Teams function at their best when they practice effective interpersonal communication, consensus building, conflict resolution, and negotiation.

EK 5.2B4: Effective teams consider the use of online collaborative tools.

**Summative Assessments**

- MOCK Individual Research Report
- MOCK Team Multimedia Presentation

**New Course**

**Learning Plan**

Unit 2 will follow the timeline of Performance Task 1 but will contain student chosen topics within the field of Women & Gender studies.

**Week 7:** Students will form teams, decide on a research question within the field of Women & Gender Studies, and decide on lenses to look through for individual MOCK IRR papers.

**Week 8:** Students will begin gathering sources and begin the process of organizing their IRR.

**Week 9:** Students will write, research, and revise their MOCK IRR.

**Week 10:** Final Draft of IRR must be completed and submitted.

**Week 11:** Students will come together, read each other’s work, and begin developing MOCK TMP.

**Week 12:** Students will script and create MOCK TMP.

**Week 13:** Students will have time to practice MOCK TMP presentations

**Week 14:** MOCK TMP Presentations and Oral Defense

## **Unit 3: Synthesizing Voices in Women & Gender Studies (Weeks 15-18)**

**Curricular Requirements:**

- CR 6: Students work independently to identify a research question based on provided source material; research the issue; analyze, evaluate, and select evidence to develop an argument; present and defend a conclusion; and produce a multimedia presentation to be delivered to their peers.

**Thematic Essential Questions:**

- How can we identify thematic connections across various topics in Women’s & Gender Studies?

**New Course**

- How can we synthesize ideas to create new meaning?
- Where do the topics of gender and health intersect?

**Big Idea Essential Questions Present in this Unit:**

All Essential Questions from previous units with emphasis on:

- How do I connect and analyze the evidence in order to develop an argument and support a conclusion?
- What line of reasoning and evidence would best support my argument? Is my reasoning logical?
- Are there other conclusions I should consider? What am I taking for granted?
- How do I acknowledge and account for my own biases and assumptions?
- What is the best way to acknowledge and attribute the work of others that was used to support my argument?
- How can I avoid committing plagiarism?

**Enduring Understandings Present in this Unit:**

All EU's from previous units with emphasis on:

EU 4.1: Scholarly works convey perspectives and demonstrate effective lines of reasoning that have been selected for the intended audience, purpose, and situation

EU 4.2: Scholars responsibly and purposefully engage with the evidence to develop a compelling argument or aesthetic rationale.

EU 4.4: Forming one's own perspective and reaching new understandings involve innovative thinking and synthesis of existing knowledge with personally generated evidence.

**Learning Objectives & Essential Knowledge:**

All from previous units with emphasis on:

**New Course**

LO 4.2A: Interpreting, using, and synthesizing qualitative and/or quantitative data/information from various perspectives and sources (e.g., primary, secondary, print, non-print) to develop and support an argument.

LO 4.2B: Providing insightful and cogent commentary that links evidence with claims.

LO 4.5A: Offering resolutions, conclusions, and/or solutions based on evidence considering limitations and implications.

LO 4.4A: Extending an idea, question, process, or product to innovate or create new understandings.

EK 4.2B1: Commentary connects the chosen evidence to the claim through interpretation or inference, identifying patterns, describing trends, and/or explaining relationships (e.g., comparative, causal, correlational).

EK 4.4A1: Innovative solutions and arguments identify and challenge assumptions, acknowledge the importance of content, imagine and explore alternatives, and engage in reflective skepticism.

EK 4.5A1: When proposing a solution, the advantages and disadvantages of the options and alternatives should be weighed against the goal within its context

**Summative Assessments**

- Stimulus Packet Contribution: Each student will be responsible for submitting three credible sources to a class created ‘stimulus packet’ centered around ‘Women & Health’.
- Synthesis Presentation: After reviewing stimulus packet materials, each student will determine an argument that can be made by synthesizing at least three of the sources, and will create a multi-media presentation which mirrors Performance Task 2.

**Activities:**

**Week one:** Students will review the rubric for Performance Task 2 and become familiarized with the process for creating an IWA and IMP. Next, students will read an ‘entry document’ introducing them to their next project, to synthesize voices in women’s health in order to create an argument. Students will take a field trip to La Semilla Food Center: a local nonprofit community farm where they will learn about the ways in which women’s issues intersect with food justice issues and land cultivation both historically and in modern day. Students will interview professionals at the center to use as primary sources in their MOCK IWA papers.

### New Course

**Week two:** Students will use research skills built over the previous two units to locate credible (Ravened) sources which explore women’s health issues. Each student will be responsible for contributing one resource which displays a clear intersection between sex and/or gender and health, offers a unique perspective, and is credible to a class ‘stimulus packet’ using a shared drive. Students must be ready to summarize the main idea, purpose, major claims, and line of reasoning of their source for the class. They must also be ready to reflect on which lens (scientific, ethical, political, etc.) this resource views the issue from.

**Week three:** Students will use the class stimulus packet to practice writing a MOCK IWA using the provided AP rubric. They will conduct peer reviews on their first drafts, hold one-on-one conferences with the seminar teacher, revise, and write a final draft of the paper.

**Week four:** Students will create MOCK IMP presentations based on their MOCK IWA papers to be shared with the class. They will practice crafting media that enhances the key points of their papers, and they will practice oral presentation skills. Students must be prepared for oral defense questions posed by the seminar teacher after each presentation.

## Second Semester Unit Overview

### Unit 4: AP Seminar Performance Task 1: Team Project and Presentation (Weeks 1- 8)

**New Course**

Completion Date: February 28

Submission Deadline: April 30, 11:59 PM ET

**Task Overview**

Students work in teams of three to five to identify, investigate, and analyze an academic or real-world problem or issue. Each team designs and/or considers options and evaluates alternatives; develops a multimedia presentation to present the argument for their proposed solution or resolution; and provides an oral defense to questions posed by the teacher.

**Student Schedule**

**Week 1:** Students will form teams, decide on a research question, and decide on lenses to look through for individual IRR papers.

**Week 2:** Students will begin gathering sources and beginning the process of organizing their IRR.

**Week 3:** Students will write, research, and revise their IRR.

**Week 4:** Final Draft of IRR must be completed and submitted.

**Week 5:** Students will come together, read each other's work, and begin developing TMP.

**Week 6:** Students will script and create TMP.

**Week 7:** Students will have time to practice TMP presentations

**Week 8:** TMP Presentations and Oral Defense

**Unit 5: AP Seminar Performance Task 2: Individual Research-Based Essay and Presentation (Weeks 9-17)**

Completion Date: April 15

Submission Deadline: April 30, 11:59 PM ET

### **Task Overview**

College Board’s AP Program will annually release cross-curricular stimulus material (texts) representing a range of perspectives focused on a single theme. Students read and analyze these stimulus materials to identify thematic connections among them and possible areas for inquiry. Their inquiry must be based on a thematic connection between at least two of the stimulus materials. Students then compose a research question of their own; conduct research; analyze, evaluate, and select evidence to develop an argument; and present and defend their conclusions. The final paper must integrate at least one of the provided stimulus materials as part of the response.

### **Student Schedule**

**Week 9:** Introduction of the stimulus packet. Students must read it, become familiar with it over spring break and come back with their area of inquiry and argument. They need to be ready to start writing their IWA upon return to school.

**Week 10:** Spring Break

**Week 11:** Spring Break

**Week 12:** Students will gather sources and organize the research they will use in IWA.

**Week 13:** Students will have work time to write, edit, and revise IWA.

**Week 14:** Final draft of IWA is due for submission

**Week 15:** Students will begin scripting and creating their IMP.

**Week 16:** Students will have practice time on IMP.

**Week 17:** IMP presentations and oral defense

## **Unit 6: Oral Histories in Women & Gender Studies (Weeks 18-22)**

**New Course**

**Curricular Requirements:**

- CR 1: Students explore the complexities of one or more themes by making connections within, between, and/or among multiple cross-curricular areas and by exploring multiple perspectives and lenses (e.g., cultural and social, artistic and philosophical, political and historical, environmental, economic, scientific, futuristic, ethical) related to those themes.

**Thematic Essential Questions:**

- What issues affect women in my community that can be aided by research?
- What voices in my community can I highlight?
- What are ethical practices in researching & working with communities?

**Big Idea Essential Questions present in this unit:**

- What do I want to know, learn, or understand?
- How does my research question shape how I go about trying to answer it?
- What information do I need to answer my question?
- What are the patterns or trends that can be identified among the arguments about this issue?
- From whose perspective is this information being presented and how does that affect my evaluation?

**In this unit all previously covered EU's, LO's and EK's will be covered will particular emphasis on evaluating and synthesizing multiple perspectives.**

**Activities:**

**Week 18:** After finishing the required elements of AP seminar (Performance Tasks 1 & 2), students will engage with the community and practice gathering primary resources. This skill may aid them in AP Research when they embark upon individual research projects. In week one students will familiarize themselves with interviewing practices, participant observation, and other practices involved in gathering community feedback for research.

**New Course**

**Week 19:** Students will develop high quality research questions which in some way involve women in their community. Next, students will make a plan to either interview a community member or conduct a participant observation at a location in the community.

**Week 20:** Students will construct written responses which link their findings from primary resources to existing resources and propose evidence based solutions.

**Week 21:** Students will create visual presentations which include images/audio from their interviews or participant observations to share with the class.

**Week 22:** Students will reflect on the implications of the work they have done in AP Seminar, and reflect on potential ideas for their independent projects in AP Research.

**Innovative Courses**

A district may offer innovative courses to enable students to master knowledge, skills, and competencies not included in the essential knowledge and skills of the required curriculum. Applications shall not be approved if the proposed course significantly duplicates the content of a Texas Essential Knowledge and Skills (TEKS)-based course or can reasonably be taught within an existing TEKS-based course.

To request approval for an innovative course from the State Board of Education or the commissioner, a district or organization must submit a request for approval at least six months before planned implementation. The request must address the elements listed at 19 Administrative Code 74.27(a)(4).

To request approval from the commissioner for a career and technical education innovative course, the applying school district or organization must submit with its request for approval evidence that the course is aligned with state and/or regional labor market data.

To request approval of a new innovative course, the applying district or organization must submit with its request for approval evidence that the course has been successfully piloted in its entirety in at least one school in the state of Texas.

With the approval of the board, a district may offer, without modifications, any state-approved innovative course.

*19 TAC 74.27(a)(3)–(7)*

**Magnet Schools or Programs**

A district may operate a magnet program, academy, or other innovative program to serve student populations with specialized interests and aptitudes. *19 TAC 74.22(b)*



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Legal Services Retainer Agreement between El Paso Independent School District and Walsh Gallegos Kyle Robinson & Roalson P.C., for Special Education and Other Matters (Operating Funds - \$1,000.00)*

**JUSTIFICATION STATEMENT:**

(To retain counsel with regard to Special Education and other matters in budgeted amounts not to exceed \$340,000.00)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Cezy Collins, General Counsel/Veronica Reyes, Executive Director Specialized Learning Services

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

An engagement letter to retain Walsh, Gallegos, Kyle, Robinson & Roalson P.C., with regard to Special Education and other matters, is presented for approval. A copy of the engagement letter, which reflects billing rates and charges, is included for your review. Administration estimates, and has budgeted, \$340,000.00 for these services during the 2024-2025 fiscal year.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the execution of the engagement letter with the law firm of Walsh Gallegos Kyle Robinson & Roalson P.C., for the period of July 1, 2024, through June 30, 2025, as presented, subject to approval of the appropriated funding for the 2024-2025 fiscal year.

**FUNDING SOURCE:** 199 Operating Funds **ACCOUNT NO.:** 199.41.6211.735.23.100.735 / 199.41.6211.735.99.100.735

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$340,000.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

- Description
- ▣ WG Legal Services Retainer Agreement



**LEGAL SERVICES RETAINER AGREEMENT  
FOR EL PASO INDEPENDENT SCHOOL DISTRICT**

---

The El Paso Independent School District (hereinafter "District"), acting by and through the authorized Trustee or Employee whose signature appears below, hereby retains the law firm of Walsh Gallegos Treviño Kyle & Robinson P.C. (hereinafter "Law Firm"), to provide the services to the District set forth below.

1. Telephone Consultation: The Law Firm shall provide telephone consultation at no charge to the District's Board President, Superintendent, Special Education Director, or designee pertaining to questions arising out of the general operation of the District. The District shall have access to a statewide toll-free telephone number for calls to the Law Firm.
2. Additional Legal Work: The District shall be entitled to reduced hourly rates for additional legal work over and above general telephone consultation. Examples of such additional legal work are research, opinion letters, and legal advice or representation in adversarial matters. Expenses incurred by the Law Firm in providing such additional legal work shall be charged.
3. Publications: The Law Firm shall provide at no charge the monthly publication This Just In, dealing with special education law issues, and the bi-monthly general school law publication Time Out with Walsh Gallegos, both published by the Law Firm.
4. E-mail Updates: The Law Firm shall send periodic e-mail updates to designated District personnel and trustees relating to developments in school law. The content and publication schedule of such updates shall be determined solely by the Law Firm.
5. Retainer Term and Cost: There shall be a fee of \$1,000.00 for this Retainer Agreement due upon execution and annually thereafter on the anniversary of the execution date below. This Retainer Agreement shall remain in effect until notice of cancellation is received.
6. Hourly Rates: A reduced hourly rate of \$265 for both associates and shareholders shall be paid for time spent on research, opinion letters, office visits, Board meetings, and all other work, including representation of the District in contested matters. Paralegals and law clerk time will be billed at a reduced hourly rate of \$135/hour. All work and/or assignments on additional legal work over and above general telephone consultation are conditioned upon the Law Firm's receipt of a confirmation from the Office of the District's General Counsel. In the event of an emergency or imminent deadline requiring immediate legal response for which a confirmation has not yet been received by the Law Firm from the

District's General Counsel, the Law Firm shall provide such services as are reasonable and prudent to protect the District from injury or liability; said work shall be charged. The Law Firm shall submit an invoice each month and will be paid within 30 days of receipt.

7. Inservice Presentations: With the exception of the Toolbox Interactive Training Program, the Law Firm shall provide the District with training at District facilities at a cost of \$4,250.00 per day plus any travel expenses incurred. The number of presentations and topics covered shall be arranged at the discretion of the District.
8. Travel Charges: The Law Firm will charge the District for up to 2 hours of attorney travel time each way to and from El Paso (not to exceed the actual travel time). All travel expenses such as airfare, hotel, meals, and car rental will be charged to the District. Travel expenses for meals and incidental expenses will not exceed the state published daily per diem rates established for the city of El Paso. Hotel rates will not exceed the lowest rate available at a Hilton property within 15 miles of the El Paso International Airport. Law Firm will reserve rooms in advance when possible in order to secure the most favorable rate.
9. Compliance with Texas Government Code Chapter 2271: Pursuant to Texas Government Code Chapter 2271, as amended, the Law Firm verifies that it does not boycott Israel and will not boycott Israel during the term of this Agreement.
10. Compliance with Texas Government Code Chapter 2252: Pursuant to Texas Government Code Chapter 2252, as amended, the Law Firm verifies that it is not engaged in business with Iran, Sudan, or a foreign terrorist organization, as prohibited by Section 2252.152.
11. Compliance with Texas Government Code Chapter 2274 and 809: Pursuant to Texas Government Code Chapters 2274 and 809, as amended, the Law Firm verifies that it does not boycott energy companies and will not boycott energy companies during the term of this Agreement.
12. Compliance with Texas Government Code Chapter 2274: Pursuant to Texas Government Code Chapter 2274, as amended, the Law Firm verifies that it does not discriminate against firearm entities or firearm trade associations and will not discriminate against firearm entities or firearm trade associations during the term of this Agreement.
13. Scope of Attorney-Client Relationship: This Retainer Agreement establishes a limited attorney-client relationship only between the Law Firm and the District. All communications between the parties shall be deemed privileged, and all work product shall be protected from disclosure. The relationship exists only as to the

consultations and additional legal work that are initiated by the District and accepted by the Law Firm pursuant to this Agreement. The Retainer Agreement does not impose any duty upon the Law Firm to provide advice or work to the District regarding legal matters absent a request by the District's Board President, Superintendent, Special Education Director, or designee for such advice or work on a matter. The Law Firm and the District acknowledge and represent that this Agreement does not establish an attorney-client relationship between the Law Firm and any individual Trustees or Employees of the District. If a lawsuit or other adversarial matter is brought against the District and/or any Trustee or Employee of the District, the Law Firm may require the execution of one or more separate Letters of Engagement prior to undertaking an attorney-client relationship in the matter.

14. Confidential Relationship: All information furnished by the District to Law Firm hereunder, including their respective agents, and employees, shall be treated as confidential ("Confidential Information") and shall not be disclosed to third parties except as required by law or authorized in writing. Any Confidential Information of the District may be used by Law Firm only in connection with the Services. Law Firm agrees to protect the confidentiality of any Confidential Information in the same manner that it protects the confidentiality of its own proprietary and confidential information. Access to the Confidential Information shall be restricted to those of Law Firm's personnel engaged under this Agreement. All Confidential Information made available hereunder, including copies thereof, shall be returned in accordance with Law Firm's File Retention Policy or request by the District, whichever occurs first. The restrictions set forth in this section shall not apply to information that is or becomes in the public domain through no fault of Law Firm, is independently developed by Law Firm, is provided to Law Firm by a third party who is not subject to a duty of confidentiality, or is required to be disclosed pursuant to law or legal process.

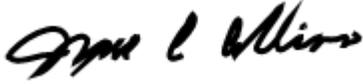
15. Texas Lawyer's Creed: Under rules of the Texas Supreme Court and the State Bar of Texas, we advise our clients of the contents of the Texas Lawyer's Creed, a copy of which is enclosed. In addition, we advise clients that the State Bar of Texas investigates and prosecutes complaints of professional misconduct against attorneys licensed in Texas. A brochure entitled Attorney Complaint Information is available at all of our offices and is likewise available upon request. A client that has any questions about the State Bar's disciplinary process should call the Office of the General Counsel of the State Bar of Texas at 1-800-932-1900 (toll free).

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
(Signature)

*Approved as to Form*

Signed: Wednesday, June 5, 2024



Signed: Wednesday, June 5, 2024

\_\_\_\_\_  
(Print Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Date)

WALSH GALLEGOS KYLE ROBINSON & ROALSON P.C.

By:   
\_\_\_\_\_  
Joe A. De Los Santos  
Managing Shareholder

5/1/24  
(Date)

## **THE TEXAS LAWYER'S CREED -- A MANDATE FOR PROFESSIONALISM**

*The Texas Supreme Court and the Texas Court of Criminal Appeals adopted this Creed, with the requirement that lawyers advise their clients of its contents when undertaking representation.*

I am a lawyer. I am entrusted by the People of Texas to preserve and improve our legal system. I am licensed by the Supreme Court of Texas. I must therefore abide by the Texas Disciplinary Rules of Professional Conduct, but I know that professionalism requires more than merely avoiding the violation of laws and rules. I am committed to this creed for no other reason than it is right.

### **I. OUR LEGAL SYSTEM**

A lawyer owes to the administration of justice personal dignity, integrity, and independence. A lawyer should always adhere to the highest principles of professionalism. I am passionately proud of my profession. Therefore, "My word is my bond." I am responsible to assure that all persons have access to competent representation regardless of wealth or position in life. I commit myself to an adequate and effective pro bono program. I am obligated to educate my clients, the public, and other lawyers regarding the spirit and letter of this Creed. I will always be conscious of my duty to the judicial system.

### **II. LAWYER TO CLIENT**

A lawyer owes to a client allegiance, learning, skill, and industry. A lawyer shall employ all appropriate means to protect and advance the client's legitimate rights, claims, and objectives. A lawyer shall not be deterred by any real or imagined fear of judicial disfavor or public unpopularity, nor be influenced by mere self-interest. I will advise my client of the contents of this creed when undertaking representation. I will endeavor to achieve my client's lawful objectives in legal transactions and in litigation as quickly and economically as possible. I will be loyal and committed to my client's lawful objectives, but I will not permit that loyalty and commitment to interfere with my duty to provide objective and independent advice. I will advise my client that civility and courtesy are expected and are not a sign of weakness. I will advise my client of proper and expected behavior. I will treat adverse parties and witnesses with fairness and due consideration. A client has no right to demand that I abuse anyone or indulge in any offensive conduct. I will advise my client that we will not pursue conduct which is intended primarily to harass or drain the financial resources of the opposing party. I will advise my client that we will not pursue tactics which are intended primarily for delay. I will advise my client that we will not pursue any course of action which is without merit. I will advise my client that I reserve the right to determine whether to grant accommodations to opposing counsel in

all matters that do not adversely affect my client's lawful objectives. A client has no right to instruct me to refuse reasonable requests made by other counsel. I will advise my client regarding the availability of mediation, arbitration, and other alternative methods of resolving and settling disputes.

### III. LAWYER TO LAWYER

A lawyer owes to opposing counsel, in the conduct of legal transactions and the pursuit of litigation, courtesy, candor, cooperation, and scrupulous observance of all agreements and mutual understandings. Ill feelings between clients shall not influence a lawyer's conduct, attitude, or demeanor toward opposing counsel. A lawyer shall not engage in unprofessional conduct in retaliation against other unprofessional conduct. I will be courteous, civil, and prompt in oral and written communications. I will not quarrel over matters of form or style, but I will concentrate on matters of substance. I will identify for other counsel or parties all changes I have made in documents submitted for review. I will attempt to prepare documents which correctly reflect the agreement of the parties. I will not include provisions which have not been agreed upon or omit provisions which are necessary to reflect the agreement of the parties. I will notify opposing counsel, and, if appropriate, the Court or other persons, as soon as practicable, when hearings, depositions, meetings, conferences, or closings are cancelled. I will agree to reasonable requests for extensions of time and for waiver of procedural formalities, provided legitimate objectives of my client will not be adversely affected. I will not serve motions or pleadings in any manner that unfairly limits another party's opportunity to respond. I will attempt to resolve by agreement my objections to matters contained in pleadings and discovery requests and responses. I can disagree without being disagreeable. I recognize that effective representation does not require antagonistic or obnoxious behavior. I will neither encourage nor knowingly permit my client or anyone under my control to do anything which would be unethical or improper if done by me. I will not, without good cause, attribute bad motives or unethical conduct to opposing counsel nor bring the profession into disrepute by unfounded accusations of impropriety. I will avoid disparaging personal remarks or acrimony towards opposing counsel, parties, and witnesses. I will not be influenced by any ill feeling between clients. I will abstain from any allusion to personal peculiarities or idiosyncrasies of opposing counsel. I will not take advantage, by causing any default or dismissal to be rendered, when I know the identity of an opposing counsel, without first inquiring about that counsel's intention to proceed. I will promptly submit orders to the Court. I will deliver copies to opposing counsel before or contemporaneously with submission to the Court. I will promptly approve the form of orders which accurately reflect the substance of the rulings of the Court. I will not attempt to gain an unfair advantage by sending the Court or its staff correspondence or copies of correspondence. I will not arbitrarily schedule a deposition, court appearance, or hearing until a good faith effort has been made to schedule it by agreement. I will readily stipulate

to undisputed facts in order to avoid needless costs or inconvenience for any party. I will refrain from excessive and abusive discovery. I will comply with all reasonable discovery requests. I will not resist discovery requests which are not objectionable. I will not make objections nor give instructions to a witness for the purpose of delaying or obstructing the discovery process. I will encourage witnesses to respond to all deposition questions which are reasonably understandable. I will neither encourage nor permit my witness to quibble about words where their meaning is reasonably clear. I will not seek Court intervention to obtain discovery which is clearly improper and not discoverable. I will not seek sanctions or disqualification unless it is necessary for protection of my client's lawful objectives or is fully justified by the circumstances.

#### IV. LAWYER AND JUDGE

Lawyers and judges owe each other respect, diligence, candor, punctuality, and protection against unjust and improper criticism and attack. Lawyers and judges are equally responsible to protect the dignity and independence of the Court and the profession. I will always recognize that the position of judge is the symbol of both the judicial system and administration of justice. I will refrain from conduct that degrades this symbol. I will conduct myself in Court in a professional manner and demonstrate my respect for the Court and the law. I will treat counsel, opposing parties, the Court, and members of the Court staff with courtesy and civility. I will be punctual. I will not engage in any conduct which offends the dignity and decorum of proceedings. I will not knowingly misrepresent, mischaracterize, misquote or miscite facts or authorities to gain an advantage. I will respect the rulings of the Court. I will give the issues in controversy deliberate, impartial and studied analysis and consideration. I will be considerate of the time constraints and pressures imposed upon the Court, Court staff and counsel in efforts to administer justice and resolve disputes.

# CERTIFICATE OF INTERESTED PARTIES

FORM **1295**

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY  
CERTIFICATION OF FILING**

Certificate Number:  
2024-1160442

Date Filed:  
05/13/2024

Date Acknowledged:

**1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**  
Walsh Gallegos Kyle Robinson & Roalson P.C., or just Walsh Gallegos  
Austin, TX United States

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**  
El Paso Independent School District

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.**  
08120  
Legal Services Retainer Agreement

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Robinson, Bridget	Austin, TX United States	X	
	Kyle, Paige	Austin, TX United States	X	
	Gallegos, Elena	Austin, TX United States	X	
	Walsh, Jim	Austin, TX United States	X	

**5 Check only if there is NO Interested Party.**

**6 UNSWORN DECLARATION**

My name is Joe De Los Santos, and my date of birth is 10/03/1971.

My address is 505 E Huntland Dr, Austin, TX, 78752, USA.  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Travis County, State of Texas, on the 15th day of May, 20 24.  
(month) (year)



**Joe De Los Santos - Managing Shareholder**

Signature of authorized agent of contracting business entity  
(Declarant)



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Interlocal Agreement between El Paso Independent School District and Educational Service Center Region 19 for Information and Instructional Technology Services for Purchase of Zoom Licenses (Budgeted Local Funds - \$41,640.00)*

**JUSTIFICATION STATEMENT:**

(To continue to provide Zoom licenses for District staff and students)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Manuel Verduzco and/or Haydee Pena

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The Interlocal Cooperative Agreement is one (1) of seven (7) approved purchasing methods identified by Texas Education Code §44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000."

Zoom facilitates virtual video and audio conferences, webinars, and other collaborative capabilities. ESC Region 19 supports the needs of the District by providing the licenses.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the Interlocal Agreement between El Paso Independent School District and Educational Service Center Region 19 for Information and Instructional Technology Services, for the purchase of Zoom licenses, in the amount of \$41,640.00, for Fiscal Year 2024-2025, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget.

**FUNDING SOURCE:** Budgeted Local Funds **ACCOUNT NO.:** 199.53.6XXX.911.99.XXX.911

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$41,640.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

The District will not have access to Zoom licenses for virtual meetings.

**IMPLEMENTATION TIMELINE:** September 1, 2024 - August 31, 2025

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

▫ Description  
Signed Contract

Interlocal Agreement  
Between  
El Paso Independent School District and Educational Service Center Region 19  
for Information and Instructional Technology Services

On this 20 day of June, 2024, ("effective date") this Interlocal Agreement (the "Agreement") is made on behalf of the **El Paso Independent School District**, ("EPISD") and Education Service Center Region 19 ("ESC Region 19"), collectively the "Parties."

**WHEREAS**, EPISD is an independent school district in Texas;

**WHEREAS**, ESC Region 19 is a regional education service center established by the Texas Commissioner of Education under Texas Education Code §8.001 et al., to assist school districts in improving student performance in each region of the system, to enable school districts to operate more efficiently and economically, and to implement initiatives assigned by the legislature or the Commissioner;

**WHEREAS**, ESC Region 19 is empowered to provided core services under Texas Education Code §8.051 and additional services under §8.053;

**WHEREAS**, ESC Region 19 provides information and instructional technology services;  
and

**WHEREAS**, EPISD desires and needs to purchase information and instructional technology services from ESC Region 19 from time to time.

**NOW THEREFORE**, in consideration of the mutual promises herein contained, the Parties agree as follows:

**I. Scope of Work**

The parties agree to provide the following, collectively referred to as the "Services":

1. EPISD will purchase information and instructional technology services from ESC Region 19 as described in attached Exhibit A for the price listed therein. ESC Region 19 will submit a new Exhibit A annually with pricing for each service period from September 1 through August 31.
2. ESC Region 19 will provide EPISD with the product as described in attached Exhibit A for the price listed therein.

**II. Term and Termination**

1. This Agreement will begin on June 20, 2024 regardless of the date it is executed and shall continue in full force, subject to any limitations set forth herein, unless terminated

in accordance with this section.

2. Termination:

- a. Either party may, without penalty, terminate this Agreement at the end of any budget period of such party during the term if funds required to fulfill this Agreement have not been appropriated, and with written notice to the other party. Such notice shall be effective thirty (30) calendar days from the date of receipt.
- b. This Agreement may be terminated by mutual written agreement of the Parties upon such terms as agreed. The Board of Trustees of EPISD authorizes the Superintendent to agree to any such termination that does not affect the approved budget. Either party may terminate this agreement upon 30 days written notice to the other party.

**III. Consideration**

As consideration for the performance of the services under this Agreement, EPISD agrees to pay to ESC Region 19 for information and instructional technology services provided hereunder at its current fee structure and pricing for the applicable budget year, upon 30 days receipt of invoice for services rendered.

**IV. Contractual Relationship**

Nothing contained herein shall be construed as creating an employer/employee relationship, a partnership, a joint venture or joint obligations between the parties hereto. Each party retains the right to conduct its business as it sees fit. ESC Region 19 shall, at all times, be deemed an independent contractor.

**V. Reservation of Rights, Immunity and Governmental Function**

The Parties agree that the performance of this Agreement is for the purpose of performing governmental functions and that, in all things related to this Agreement, parties are performing governmental functions as defined by the Texas Tort Claims Act. Nothing herein or in the performance of this Agreement shall be construed as a waiver of sovereign immunity or similar rights. Parties agree that neither party waives any immunity or defense that would otherwise be available to it pursuant to the Texas Tort Claims Act or other applicable statutes, laws, rules or regulations against claims arising from the exercise of its powers or functions. No provision of this Agreement that imposes an obligation or restriction on EPISD not permitted by applicable law shall be enforceable. Records relating to this Agreement may be subject to disclosure pursuant to the Texas Public Information Act, Section 552.001 et. seq. of the Texas Government Code. ESC Region 19 agrees that if it receives information or records concerning any student, it shall not disclose the same except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA (20 U.S.C. 1232(g)). ESC Region 19 further agrees that, if applicable, it shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract

Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, EPISD Board Policies and other policies and requirements such statute and rule(s), and will insure that no covered person with a disqualifying criminal history performs services under this Agreement.

## **VI. Interlocal Cooperation Agreement**

This Agreement constitutes an "interlocal contract" within the meaning of, and as authorized by, the Texas Interlocal Cooperation Act, Section 791.001 et. seq. of the Texas Government Code, and, among other things, a contract for purchase under Section 791.025 of the Texas Government Code. The purpose of this Agreement is to provide "governmental functions or services," as therein defined.

## **VII. General Provisions**

1. Disputes: If any dispute concerning any fact, interpretation, allowable costs, etc. arise during performance of this Agreement, reasonable efforts shall be made to resolve said dispute(s) through informal discussions between the Parties.
2. Amendment and Assignment: Any changes to this Agreement may only be made by mutual written agreement of the parties. This Agreement may not be assigned by either party without the express written consent of the other party. Any attempt to assign without such consent shall be void and shall be deemed a material breach of this Agreement. The Board of Trustees of EPISD authorizes the Superintendent to amend this Agreement that does not affect the approved budget for the appropriate fiscal year.
3. Entire Agreement: This Agreement and any subsequent amendments constitute the entire and only agreement between the parties relating to the matters described herein, and supersedes all prior agreements and discussions, whether written or oral. Unless expressly stated, this Agreement confers no rights on any person(s) or business entity(s) that is not a party hereto.
4. Notice to parties: Any notice required by this Agreement shall be given by prepaid first-class certified mail, return receipt requested to:

EPISD at:

Executive Director of Procurement Services El  
Paso Independent School District  
4900 Woodrow Bean Drive El  
Paso, Texas 79924

ESC Region 19 at:

6611 Boeing Drive  
El Paso, Texas 79925-1010

or such other address as later provided by a party through written notice to the other

party.

5. Applicable Law and Venue: This Agreement shall be construed and enforced in accordance with the laws of the State of Texas, as well as any applicable federal law and policy of EPISD. If any legal action or dispute resolution is necessary to enforce the terms of this Agreement, exclusive venue shall lie in El Paso County, Texas. Further, and for any project that is in whole or in part funded through the Federal government, the applicable program or appropriation statute(s), federal agency regulations, and Circulars of the U.S. Office of Management and Budget shall apply.
6. No Indemnification: The Parties expressly agree that, except as provided herein, no party shall have the right to seek indemnification or contribution from the other party for any losses, costs, expenses, or damages directly or indirectly arising, in whole or part, from this Agreement.
7. Binding effect: This Agreement, and every provision thereof, shall be binding upon and shall inure to the benefit of the Parties and their respective successors and permitted assigns.
8. No Waiver: The consent or waiver, express or implied, by a party to a breach of any provision, or the failure, or apparent failure, of either party at any time to require performance by the other of any provision of this Agreement, shall in no way affect the right of such party to require performance of that provision or any other provision of this Agreement.
9. Mutual Negotiation: This Agreement has been prepared at the joint request, direction, and construction of the Parties, at arms' length, and shall be construed without favor to any party.
10. Contract language: Wherever the context shall require, the singular shall include the plural, and the female gender shall include the male, the neuter, and vice versa. This Agreement may be executed in original or facsimile signatures, in multiple counterparts. The headings, captions, and arrangements used in this Agreement are for convenience only and shall not affect the interpretation of this Agreement.
  11. Severability: All agreements and covenants contained in this Agreement are severable. Any provision, or part thereof, of this Agreement held by a court of competent jurisdiction to be illegal, invalid or unenforceable shall not impair or invalidate the remainder of this Agreement and the effect thereof shall be confined to the provision, or part thereof, so held to be illegal, invalid or unenforceable. In lieu of any provision so held, there will be added a provision that preserves the intention of the unenforceable provision and complies with the law.
  12. Warranty of Capacity to Execute Contract: The person signing this Agreement on behalf of each party warrants that he/she has the authority to do so and to bind each party to this Agreement.
  13. Survival: A party shall remain obligated to the other party under all clauses of this Agreement that expressly or by their nature extend beyond the expiration or termination of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized representatives.

El Paso Independent School District

Education Service Center Region 19

\_\_\_\_\_



\_\_\_\_\_

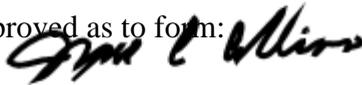
Diana I. Sayavedra, Superintendent

Dr. Armando Aguirre, Executive Director

Date: \_\_\_\_\_  
\_\_\_\_\_

Date: 5/20/2024

Approved as to form:



\_\_\_\_\_  
Cezy Collins, General Counsel EPISD

**Signed: Thursday, May 16, 2024**

Exhibit A



**Information & Instructional Technology Services**

**Quote**

**Date:** September 1, 2024 – August 31, 2025

**To:** El Paso Independent School District

**Re:** Zoom licenses

- Video for every need: Enable internal and external communications, all-hands meetings, and trainings through one communications platform.
- Join anywhere, on any device: Zoom meetings sync with your calendar system and delivers streamlined enterprise-grade video conferencing from desktop and mobile.
- Unparalleled usability: Enable quick adoption with meeting capabilities that make it easy to start, join, and collaborate across any device.

**From:** Education Service Center-Region 19 Information and Instructional Technology Services

6611 Boeing Drive

El Paso, Texas 79925

(915)780-1919

Department Director: Angie Haro ext. 6505 [aharo@esc19.net](mailto:aharo@esc19.net)

*Signature: Angelica Haro*      *Date: 04/17/2024*

Item Description	Quantity	Costs	Total
<ul style="list-style-type: none"><li>o ESC Region 19: Regional Contact for product purchases. Jose Alvarado (915) 780-1919 ext. 5083</li><li>o Includes ESC Region 19 Licensing Fee Pro-rated September 1, 2024 through August 31, 2025</li><li>o ESC Region 13: Zoom licenses Seller. TETN Manager: Lea Bentley Castillo (512) 919- 533 ext. 5172</li></ul>	1,500 licenses	\$24.76	\$37,140
<ul style="list-style-type: none"><li>o ESC Region 19: Regional Contact for product purchases. Jose Alvarado (915) 780-1919 ext. 5083</li><li>o Includes ESC Region 19 Support Fee Pro-rated September 1, 2024 through August 31, 2025</li><li>o ESC Region 13: Zoom licenses Seller. TETN Manager: Lea Bentley Castillo (512) 919- 533 ext. 5172</li></ul>	1,500 licenses	\$3.00	\$4,500
<b>Total:</b>			<b>\$41,640</b>

*(licenses and support fee are annual fees)*

Thank you for your consideration on this request.



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Award of Student Telehealth Services, RFQ #24-023 (Administration Recommendation: Urgent Care for Kids, LLC, dba Goodside Healthcare)*

**JUSTIFICATION STATEMENT:**

(To select a qualified individual or organization to provide student telehealth services virtually)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Tyra Harrison and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever I: Whole Child Development - El Paso ISD schools foster learning environments for the whole child to thrive.*

**SUMMARY:**

The Request for Qualifications (RFQ) is a method allowed as defined in the Professional Services Procurement Act ("PSPA"), Section 2254.002 and Section 2254.004, as applicable, of the Texas Government Code.

These services will assist campus nurses to provide rapid medical care. If care is needed, the medical provider can prescribe medication on site and submit it to the family's local pharmacy. This will allow all students to have medical care, which will help decrease the number of absences.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the award of Student Telehealth Services, RFQ #24-023, to Urgent Care for Kids, LLC, dba Goodside Healthcare, for an initial 1 (one) year term with the option to extend for four (4) years, twelve (12) months at a time, and allow administration to enter into contract negotiations, as needed, during the term of the award.

**FUNDING SOURCE:** N/A **ACCOUNT NO.:** N/A

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** N/A
- **FUTURE/ONGOING:** N/A

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

Students will not be able to have virtual telehealth.

**IMPLEMENTATION TIMELINE:** Fiscal year 2024-2025

**COMMENTS RECEIVED, IF ANY:**

N/A

**ATTACHMENTS:**

Description

- ▢ Board Report
- ▢ Recommendation Memo
- ▢ Scoring Summary
- ▢ Form 1295
- ▢ Executive Summary Back-up
- ▢ Scope of Work

**Approval to Award Student Telehealth Services, RFQ #24-023**

The Request for Qualifications (RFQ) is a method allowed as defined in the Professional Services Procurement Act (“PSPA”), Section 2254.002 and Section 2254.004, as applicable, of the Texas Government Code. The District requested proposals from qualified firms to provide virtual student telehealth services. These services will assist campus nurses to provide rapid medical care. If care is needed, the medical provider can prescribe medication on site and submit it to the family’s local pharmacy. This will allow all students to have medical care which will decrease the number of absences.

The RFQ was advertised in the *El Paso Times* newspaper for two (2) consecutive weeks and posted on District’s eBid website. Notifications were sent to two hundred and forty-three (243) registered vendors through the District’s eBid system. Twenty-five (25) vendors viewed the specifications from the eBid system, four (4) submitted a No Bid response, and eight (8) vendors responded.

An evaluation committee reviewed and scored the proposals electronically through the District’s eBid system from Thursday, May 16, 2024, through Friday, May 17, 2024. The committee consisted of Ms. Norma Luna, Director of Health Services; Ms. Yvonne Guerrero, School Nurse; and Mr. Jose Bustillos II, Assistant Director of Health Services. Ms. Isela Parsons, Buyer, and Ms. Sandy Ramirez, Coordinator, acted as facilitators during this evaluation. The response from Urgent Care for Kids, LLC, dba Goodside Healthcare, was determined to be the best qualified proposal to provide student telehealth services to the District.

The Bidder’s Preference Law did not affect the bid award.

**RECOMMENDATION:** Administration recommends that the Board approve the award of Student Telehealth Services RFQ #24-023 to Urgent Care for Kids, LLC, dba Goodside Healthcare, for an initial 1 (one) year term with the option to extend for four (4) years, twelve (12) months at a time, and allow administration to enter contract negotiations, as needed, during the term of the award.

Respectfully submitted,

  
Haydee Peña (May 28, 2024 11:36 MDT)

Haydee Peña,  
Executive Director of Procurement & School Resources

Attachments: Recommendation Memo  
Scoring Detail  
Executive Summary Back-up  
Recommended Vendor 1295  
Scope of Work

  
Leticia Rivera

Signature: 

Email: [adriviera@episd.org](mailto:adriviera@episd.org)

# 24-023 Board Report

Final Audit Report

2024-05-28

Created:	2024-05-22
By:	Isela Parsons (iparsons@episd.org)
Status:	Signed
Transaction ID:	CBJCHBCAABAAHxrflHOXmfmONSzi6Bws6jwV9TjIRs_S

## "24-023 Board Report" History

-  Document created by Isela Parsons (iparsons@episd.org)  
2024-05-22 - 9:45:47 PM GMT
-  Document emailed to Leticia Rivera (adrivera@episd.org) for signature  
2024-05-22 - 9:46:30 PM GMT
-  Document e-signed by Leticia Rivera (adrivera@episd.org)  
Signature Date: 2024-05-23 - 9:03:08 PM GMT - Time Source: server
-  Document emailed to Haydee Pena (hpena@episd.org) for signature  
2024-05-23 - 9:03:10 PM GMT
-  Document e-signed by Haydee Pena (hpena@episd.org)  
Signature Date: 2024-05-28 - 5:36:13 PM GMT - Time Source: server
-  Agreement completed.  
2024-05-28 - 5:36:13 PM GMT



## MEMORANDUM

**TO:** Haydee Peña  
Executive Director of Procurement & School Resources

**FROM:** Norma Luna, Director Health Services

**DATE:** May 20, 2024

**SUBJECT: RECOMMENDATION FOR AWARD OF RFQ 24-023 FOR STUDENT TELEHEALTH SERVICES**

---

### **Description of Goods and/or Services:**

Provide virtual medical care for students. Provide instruments that allow virtual images to be seen by the medical provider. If care is needed the medical provider can prescribe medication on site and submit to family's local pharmacy. Company will provide the equipment such as IPAD for Telehealth visit. The vendor will also provide the over the counter medication to be given at school. Vendor will provide supplies for testing for Covid, Flu, and strep.

### **Recommended Vendor(s):**

Urgent Care for Kids

### **Rationale for Award:**

They provide the most comprehensive Telehealth Services. They provide what we requested such as the equipment to do the visits and testing for Flu, Strep and Covid-19. They also provide wellness visits for students.

### **Recommended Amount:**

There is no cost to the district.

**EL PASO INDEPENDENT SCHOOL DISTRICT  
RFQ #24-023 For Student Telehealth Services**

<b>Supplier</b>	<b>Score</b>	<b>Character, integrity, reputation, qualifications, management skills and professional judgement</b>	<b>Experience</b>	<b>Quality of Goods and Services</b>	<b>Comprehensivene ss</b>	<b>References</b>
	<b>100</b>	40.00	25.00	20.00	10.00	5.00
<b>Urgent Care for Kids</b>	<b>99.00</b>	<b>39.33</b>	<b>25.00</b>	<b>19.67</b>	<b>10.00</b>	<b>5.00</b>
Hazel Health, Inc.	84.67	36.67	20.00	16.33	8.67	3.00
DialCare, LLC	78.33	35.00	17.33	12.67	8.33	5.00
DocGo	77.33	35.00	16.67	15.00	7.67	3.00
Project Vida Health Center	77.00	35.00	20.00	12.67	6.33	3.00
TeleHelp 24_7	71.00	33.33	18.33	11.67	4.67	3.00
Advanced Health Strategies	63.67	33.33	15.00	8.33	5.00	2.00
Premier Primary Care Clinic	53.33	20.00	13.33	10.00	5.00	5.00

# CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties  
 Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

## OFFICE USE ONLY CERTIFICATION OF FILING

Certificate Number:  
 2024-1153389

Date Filed:  
 04/29/2024

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Goodside Health  
 Fort Worth, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

El Paso ISD

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

24-023 Addendum 2  
 Telemedicine and in-person well-child events to EPISD

4	Name of Interested Party	City, State, Country (place of business)	Nature of Interest (check applicable)	
			Controlling	Intermediary

5 Check only if there is NO Interested Party.

### 6 UNSWORN DECLARATION

My name is Roger Jones, and my date of birth is 1/5/1974.

My address is 5417 Dry Creek, ARLINGTON, Tx, 76017, USA.  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in TARRANT County, State of TEXAS, on the 29<sup>th</sup> day of April, 20 24.  
(month) (year)

  
 \_\_\_\_\_  
 Signature of authorized agent of contracting business entity  
 (Declarant)



**EL PASO INDEPENDENT  
SCHOOL DISTRICT**

**EXECUTIVE SUMMARY BACK-UP INFORMATION**

24-023 (Student Telehealth Services)

<b>DESCRIPTION OF ITEMS / SERVICES:</b>	Virtual Telehealth Services for Students
<b>FIRST ADVERTISEMENT DATE:</b>	4/2/2024
<b>SECOND ADVERTISEMENT DATE:</b>	4/9/2024
<b>EMAIL NOTIFICATIONS SENT:</b>	243
<b>DISTRICT WEBSITE POSTING DATE:</b>	4/2/24 3:00 PM (MT)
<b>PRE-BID CONFERENCE:</b>	4/10/24 2:00 PM (MT)
<b>BID DUE DATE:</b>	5/1/24 2:00 PM (MT)
<b>DAYS THAT BID WAS AVAILABLE:</b>	28 days
<b>VENDOR WEBSITE VIEWS:</b>	25
<b>NUMBER OF BIDS RECEIVED:</b>	8
<b>NUMBER OF LATE BIDS REJECTED:</b>	0
<b>CONTRACT TERM:</b>	4 years
<b>TOTAL AWARD AMOUNT:</b>	N/A



## **24-023 Addendum 2**

### **Student Telehealth Services**

Issue Date: 4/2/2024

Questions Deadline: 4/12/2024 12:00 PM (MT)

Response Deadline: 5/1/2024 02:00 PM (MT)

### **Contact Information**

Address: Procurement & School Resources  
4900 Woodrow Bean Dr.  
El Paso 79924

Phone: (915) 230-3100

Fax: (915) 230-3119

Email: [bids@episd.org](mailto:bids@episd.org)

## Event Information

Number: 24-023 Addendum 2  
Title: Student Telehealth Services  
Type: Request for Qualifications  
Issue Date: 4/2/2024  
Question Deadline: 4/12/2024 12:00 PM (MT)  
Response Deadline: 5/1/2024 02:00 PM (MT)  
Notes: The El Paso Independent School District seeks proposals from firms that can provide virtual medical care for students. Nurses will provide on-site access to urgent medical care virtually by using instruments that allow virtual images to be seen by the medical provider. If care is needed, the medical provider can prescribe medication on site and submit to the family's local pharmacy.

## Ship To Information

Contact: EPISD Procurement & School Resources  
Address: 4900 Woodrow Bean Dr.  
El Paso, TX 79924  
Phone: (915) 230-3100  
Email: purchasing@episd.org

## Billing Information

Contact: Accounts Payable  
Address: PO Box 20100  
El Paso, TX 79998  
Phone: (915) 230-2136  
Email: accountspayable@episd.org

## Bid Activities

### Pre-Bid Conference

4/10/2024 2:00:00 PM (MT)

Pre-bid Conference will be held via TEAMS. Non-mandatory

Microsoft Teams

Join the meeting now

Meeting ID: 279 023 959 932

Passcode: nKKwYQ

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZjRjNDE4N2UtMjBIYy00Y2EyLTgzMDYtZjAwMDRiY2NiOGVh%40thread.v2/0?context=%7b%22Tid%22%3a%224f6ba234-52ba-4d92-9aef-9d5524562684%22%2c%22Oid%22%3a%2241e8b3be-8f88-4cd3-8b18-031dfcf0dca5%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZjRjNDE4N2UtMjBIYy00Y2EyLTgzMDYtZjAwMDRiY2NiOGVh%40thread.v2/0?context=%7b%22Tid%22%3a%224f6ba234-52ba-4d92-9aef-9d5524562684%22%2c%22Oid%22%3a%2241e8b3be-8f88-4cd3-8b18-031dfcf0dca5%22%7d)

## Bid Attachments

### 2018\_w9\_Form (1).pdf

(IRS W-9 FORM) Please complete W9

[View Online](#)

### Required\_Forms (1).pdf

(REQUIRED FORMS) Complete and submit all included forms in the corresponding Response Attachments area.

[View Online](#)

### EDGAR\_Certifications.pdf

(EDGAR CERTIFICATIONS) Complete and submit this form in the corresponding Response Attachments area.

[View Online](#)

### CIP\_Form\_1295.pdf

(CIP FORM 1295) Complete and submit this form in the corresponding Response Attachments area.

[View Online](#)

## **General\_Terms\_and\_Conditions.pdf**

[View Online](#)

(REVIEW) Please review RFP General Terms and Conditions

## **Deviations\_Form.pdf**

[View Online](#)

(DEVIATIONS) Complete and submit this form in the corresponding Response Attachments area only if you are identifying deviations to the sample vendor agreement or any of the general terms and conditions. (See Bid Attributes)

## **Vendor\_Information.pdf**

[View Online](#)

(VENDOR INFORMATION) Complete and submit this form in the corresponding Response Attachments area.

## **Vendor.Agreement Services Only.pdf**

[Download](#)

Services Contract

## **Requested Attachments**

---

### **Vendor Questionnaire**

*(Attachment required)*

Page 1 of required forms

### **Felony Conviction**

*(Attachment required)*

Page 3 of required forms

### **Non Collusion Statement**

*(Attachment required)*

Page 4 of required forms

### **Acknowledgement of Addenda**

*(Attachment required)*

Page 5 of required forms

### **Declaration of Compliance**

*(Attachment required)*

Page 6 of required forms

### **Cone of Silence**

*(Attachment required)*

Page 7 and 8 of required forms

### **Form 1295**

*(Attachment required)*

Line 4 of attachments

### **Deviations/Exceptions**

*(Attachment required)*

Line #6 of attachments

### **Vendor Information**

*(Attachment required)*

Line #7 of attachments

### **W9**

*(Attachment required)*

Line #1 of attachments

### **Services Contract**

*(Attachment required)*

Line 8 of attachments

## Bid Attributes

1	<i>Attribute deleted as part of an Addendum</i>
2	<i>Attribute deleted as part of an Addendum</i>
3	<i>Attribute deleted as part of an Addendum</i>
4	<i>Attribute deleted as part of an Addendum</i>
5	<i>Attribute deleted as part of an Addendum</i>
6	<i>Attribute deleted as part of an Addendum</i>
7	<i>Attribute deleted as part of an Addendum</i>
8	<i>Attribute deleted as part of an Addendum</i>
9	<i>Attribute deleted as part of an Addendum</i>
10	<i>Attribute deleted as part of an Addendum</i>
11	<i>Attribute deleted as part of an Addendum</i>
12	<i>Attribute deleted as part of an Addendum</i>
13	<i>Attribute deleted as part of an Addendum</i>
14	<i>Attribute deleted as part of an Addendum</i>
15	<i>Attribute deleted as part of an Addendum</i>
16	<i>Attribute deleted as part of an Addendum</i>
17	<i>Attribute deleted as part of an Addendum</i>
18	<i>Attribute deleted as part of an Addendum</i>
19	<i>Attribute deleted as part of an Addendum</i>
20	<i>Attribute deleted as part of an Addendum</i>
21	<i>Attribute deleted as part of an Addendum</i>
22	<i>Attribute deleted as part of an Addendum</i>
23	<i>Attribute deleted as part of an Addendum</i>

2 4	<i>Attribute deleted as part of an Addendum</i>
2 5	<i>Attribute deleted as part of an Addendum</i>
2 6	<i>Attribute deleted as part of an Addendum</i>
2 7	<i>Attribute deleted as part of an Addendum</i>
2 8	<i>Attribute deleted as part of an Addendum</i>
2 9	<i>Attribute deleted as part of an Addendum</i>
3 0	<i>Attribute deleted as part of an Addendum</i>
3 1	<i>Attribute deleted as part of an Addendum</i>
3 2	<i>Attribute deleted as part of an Addendum</i>
3 3	<i>Attribute deleted as part of an Addendum</i>
3 4	<i>Attribute deleted as part of an Addendum</i>
3 5	<i>Attribute deleted as part of an Addendum</i>
3 6	<i>Attribute deleted as part of an Addendum</i>
3 7	<i>Attribute deleted as part of an Addendum</i>
3 8	<i>Attribute deleted as part of an Addendum</i>
3 9	<i>Attribute deleted as part of an Addendum</i>

4 0	<p><b>Introduction</b></p> <p>The El Paso Independent School District (EPISD) is an accredited K-12 school system serving El Paso, Texas. EPISD as one of the largest school Districts in Texas and the largest school district in El Paso County. EPISD is a District of Innovation, comprised of an ethnically, culturally, and linguistically diverse community.</p> <p>For more detailed information on the District, please refer to the following links:</p> <ul style="list-style-type: none"> <li>• <a href="#">EPISD District Snapshot</a></li> <li>• <a href="#">Texas Education Agency (TEA) 2020-21 Texas Academic Performance Reports</a></li> </ul> <p>Although Telehealth Medical Service (TMS) changes the method in which campus nursing services are delivered, it does not fundamentally change the nature of nursing practice. Campus nurses engaged in telehealth will continue to use the nursing process to assess, plan, implement, evaluate and document nursing care. They are also involved in the provision of information, referrals, education and support. No minimum quotas will be accepted.</p>
--------	---

<b>4</b> <b>1</b>	<b>Scope of Work</b> The El Paso Independent School District seeks proposals from firms that provide virtual medical care for students. Nurses will provide on-site access to urgent medical care virtually by using instruments that allow virtual images to be seen by the medical provider. If care is needed, the medical provider can prescribe medication on site and submit to the family's local pharmacy. Medical provider must be a licensed Medical Doctor (MD), Nurse Practitioner (NP), or Physician Assistant (PA) in the State of Texas.
----------------------	--

<b>4</b> <b>2</b>	<b>Name of Company Contact</b> Please list the name of the contact person that EPISD may call regarding this bid. The contact person will serve as the liaison between EPISD and your company. This should be the person that will answer questions regarding the bid submittal and questions pertaining to purchases and purchase orders.  <hr/> <hr/> <hr/> <i>(Required: Maximum 1000 characters allowed)</i>
----------------------	--

<b>4</b> <b>3</b>	<b>Telehealth Requirements</b> The Proposed System must meet the following: <ul style="list-style-type: none"><li>• Enable the full range of telehealth and telemedicine services to be provided</li><li>• Expand the type of telehealth applications that may be offered</li><li>• The system must assure that medical consultations and documentation meet the standards set forth by State licensing requirements</li><li>• Fully integrated communication with current health documentation system and electronic medical record (EMR)</li><li>• Provision of a medical cart to include, but not limited to, IPAD (or monitor/keyboard device) to facilitate patient assessment and video consult, HIPAA compliant (privacy LCD screens), ability to connect with stethoscope, vital signs monitor, otoscope/ophthalmoscope. Unit is modular and mobile, and over the counter medications (OTC) are provided.</li><li>• Demonstrated compliance with HIPAA and FERPA date and use of appropriate reporting standards.</li><li>• All support services to maintain equipment and systems provided</li><li>• Mandatory follow-up services for any telehealth encounter</li><li>• Training during initial start-up period, and support thereafter</li><li>• Process for electronically signed medical orders</li><li>• Background/license certification on all telemedicine provider</li></ul> <hr/> <hr/> <hr/> <hr/> <hr/> <i>(Optional: Maximum 4000 characters allowed)</i>
----------------------	--

<b>4</b> <b>4</b>	<b>Company Contact Email Address</b> Please list the email address of the company contact person that EPISD would be emailing in regards to this bid, and to whom questions pertaining to purchases and purchase orders should be addressed.  <hr/> <hr/> <hr/> <i>(Required: Maximum 1000 characters allowed)</i>
----------------------	--

**4**  
**5** **Service Contract Point of Contact (if applicable)**  
Please provide the Point of Contact information for the company representative authorized to sign Service Contract Agreements.

---

---

---

*(Optional: Maximum 50 characters allowed)*

**4**  
**6** **Principal Place of Business**  
Please indicate Proposer's Principal Place of Business (State)

---

---

---

*(Required: Maximum 1000 characters allowed)*

**4**  
**7** **Electronic Submittal**  
As permitted by law, Section 44.0313 of the Education Code, the District conducts non-construction solicitation transactions by electronic means (E-Bid System) to the extent possible. The E-Bid System is web based and the process requires vendor registration in order to use the system and provide an electronic response to this solicitation. The instructions for electronic filing can be accessed [HERE](#). If you need assistance with registering or accessing the information you may contact the Procurement Services Department at (915) 230-3100 for assistance.

Vendors are responsible to ensure that their proposal has been properly submitted. Failure to comply with the requirements of this solicitation, including specific form of the submission required, may be grounds for disqualification of the proposal as “non-responsive.” All proposals shall be submitted through the E-Bid System or, in hard copy by hand delivery, mail or overnight carrier; the District will not accept proposals via facsimile or email.

Read and Understood  
*(Required: Check if applicable)*

**4**  
**8** **Hard-Copy Pickup and Submission**  
If your firm does not have the means to submit a response electronically, the District will accept hard copy responses; however, the Vendor must register on the Electronic System in order to receive communications during the process. If Vendor has no access to a computer system, Vendor may contact the Procurement Services Office at (915) 230-3100 for assistance in registering or obtaining responses from the system. Prospective Vendors may obtain a hard copy of the solicitation from the District’s Purchasing Office, located at 4900 Woodrow Bean Dr., El Paso, Texas 79924, between the hours of 9:00 a.m. and 4:00 p.m. Please contact Procurement & School Resources at (915) 230-3100, in advance of your visit to assure that the hours have not changed and someone will be available to assist you.

Hard copy responses must be submitted prior to the stated submission deadline. Responses shall be mailed or hand delivered to the District’s Procurement & School Resources department, located at 4900 Woodrow Bean Dr., El Paso, Texas 79924, in a sealed envelope or package clearly marked with the Vendor’s name, return address, the solicitation name and number, and the opening date and time. Hard copy responses may be modified, provided such modifications are sealed and received at the District’s Procurement & School Resources prior to the stated solicitation submission deadline.

**Any proposal or modification received after the solicitation submission deadline shall not be accepted or considered.**

**4** **EDGAR Certification Form**

**9** For all purchases made using federal funds, the District is required to comply with the federal regulations related to the purchasing of goods and services [2 CFR 200.317-200.326] effective July 1, 2018. When the District seeks to procure goods and services using funds under a federal grant or contract, specific federal laws, regulations, and requirements may apply to the procurement, in addition to those under state law. This solicitation includes the procurement standards of the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards, 2 CFR 200 (sometimes referred to as the "Uniform Guidance" or new "EDGAR"). The District requires all Vendors must complete and execute the EDGAR Certification Form attached hereto as Attachment "EDGAR Certifications" certifying Vendor's willingness and ability to comply with EDGAR requirements, as the source of funding may not be known at the time of this solicitation

Please Select  EDGAR certification form is attached  Cannot Comply

*(Required: Check only one)*

**5** **References**

**0** Provide information regarding three (3) school district clients, other than El Paso ISD, to whom you have provided similar goods or services to the ones requested in this solicitation or with whom you have worked on projects of similar size and scope to the one for which services are requested in this solicitation. For each, provide names, addresses, telephone numbers, and email address of contact persons that may be of reference and that may be contacted regarding the quality of your service and your qualifications.

---

---

---

---

---

---

---

---

*(Required: Maximum 4000 characters allowed)*

**5** **Note about references**

**1** References may be contacted. Please ensure that reference point of contact is responsive. Points will be deducted for non-responsive references.

**5** **Questions and Requests for Clarification**

**2** If a Vendor is in doubt as to the meaning of any part of this solicitation, questions or requests for clarification may be submitted electronically via the District's E-Bid system. Verbal questions and explanations are not permitted. Interpretations, clarifications, and answers to questions shall be made only by written response issued to all Vendors via E-Bid message, or by other form of delivery if prior arrangements are made.

**5** **Restriction on Communication**

**3** Vendors and their respective employees, agents, subcontractors, and representatives shall restrict their contact with the District and direct all questions regarding this solicitation, including questions regarding the proposed contract, to the procurement & school services department. Vendors and their respective employees, agents, subcontractors, and representatives, are specifically prohibited from directly or indirectly discussing, communicating, lobbying for, or promoting its proposal to any member of the District's Board of Trustees, any member of the District's administrative staff, any member of an employee association affiliated with or representing any District employee or group of employees, any member of a District committee having responsibility for evaluation of responses or any consultant or professional retained or used by the District in connection with this solicitation. This restriction extends to "thank you" letters, phone calls, emails and any contact that results in the direct or indirect discussion of the solicitation and/or proposal submitted by the Vendor. This policy is intended to create a level playing field for all Vendors and ensure the integrity of the solicitation process. Any violation of this provision may result in disqualification of the Vendor's response from consideration.

Please Select  I comply  I do not comply

*(Required: Check only one)*

**5  
4** **Interlocal Cooperation Agreement**

The District is permitted, under the provisions of Texas Government Code Chapter 791 and Texas Education Code Section 44.031(a)(4), to allow other local government entities (“LGEs”) to utilize the pricing proposed by the successful Vendor to purchase the same goods or services; a process sometimes referred to as “piggy-backing”, to satisfy the LGE’s own procurement requirements and streamline the purchasing process. The District intends, upon request of another LGE, to extend the final pricing terms offered by the Vendor to that that LGE as permitted by statute. By extending the solicited pricing to another LGE, the District is acting solely for the purpose of streamlining the procurement process for the LGE and its compliance with Texas competitive bidding requirements. The District assumes no other responsibility for the transaction, the Vendor or the purchasing compliance of the LGE. The District shall not be responsible for any costs, damages, etc. incurred by either the Vendor or the LGE related to any purchase, failure to purchase by the other LGE or disputes between the parties. The Vendor must deal directly with the purchasing LGE concerning the placement of orders, issuance of purchase orders, insurance certificates, contractual requirements, disputes, if any, invoicing and payment or any other terms and conditions that the purchasing LGE may require. The actual utilization of the terms of this procurement by the purchasing LGE is at the sole discretion of the purchasing LGE.

Please Select    Read and Agreed    Read and Do Not Agree

*(Required: Check only one)*

**5  
5** **Contract Agreement Terms**

Vendor(s), if awarded as a result of this solicitation, may be required to complete and sign the El Paso Independent School District Vendor Agreement (if applicable). At this time, the EPISD only needs to know that you agree with the terms provided in the agreement provided in the "Attachments" tab. Vendors do not need to complete the contract until an award has been made. If you **do not** comply with the District's Vendor Agreement; please state so in the Deviations section included in this solicitation.

Please Select    I comply    I do not comply

*(Required: Check only one)*

**5  
6** **Rejection of Responses/Waiving of Formalities**

The District retains the right to reject any and all responses and to waive any and all formalities. In evaluating responses, the District is not required to select the response based solely on the lowest pricing, and will consider the criteria set out in Tex. Education Code, Section 44.031(b) and any other factors specifically set out in this solicitation.

Read and Understood

*(Required: Check if applicable)*

**5  
7** **Evaluation Criteria**

The District reserves the right to award a the Vendor offering the best value, and not necessarily to the Vendor proposing the lowest price, and reserves the right to accept or reject any or all Proposals, and waive any formalities. It is not the policy of the District to purchase on the basis of lowest price proposals alone. In evaluating proposals submitted, the District will consider the criteria set out in Texas Education Code, Section 44.031(b) including the following:

- **(40 Points)** The character, integrity, reputation, qualifications, management skills and professional judgement of the team proposed to provide the services solicited.
- **(25 Points)** Experience of the vendor and staff proposed, with providing services of the type solicited to public schools or other governmental entities.
- **(20 Points)** Quality of services provided on past projects for clients, including public schools, other governmental entities or private entities.
- **(10 Points)** Comprehensiveness of scope of service.
- **(05 Points)** References

**58 Disclosure of Interested Parties (Form 1295)**

Texas Government Code, Section 2252.908 requires the disclosure of interested parties by a vendor, using the form and procedure established by the Texas Ethics Commission, at the same time it submits the signed contract, if the contract award requires action or a vote by the Board of Trustees or the value of the contract awarded as a result of the solicitation is at least one million dollars (\$1,000,000.00). The form requires disclosure of any "interested party" to the contract of which the contracting Vendor is aware, and execution by an authorized agent of the contracting Vendor. A copy of Form 1295 and further information about the process required is attached hereto as an attachment in the District's Required Forms. Vendor agrees that upon contract award and notification by the District of the applicability of this requirement, it will timely comply with the filing requirements set forth by the Commission and required by Section 2252.908 of the Texas Government Code.

The Certificate of Interested Parties (Form 1295) must be filled out electronically through the Texas Ethics Commission's online filing application, printed out, signed, and submitted within ten (10) days of award notification to EPISD.

**59 Exemption from CIP Form 1295**

Effective January 1, 2018, the State of Texas established an exemption to file the Form 1295. This form is not required if your company is a publicly traded business entity, including a wholly owned subsidiary of the business entity. Please select which applies to your company. Please note if your company is exempt from filing Form 1295, and provide your ticker/stock symbol for verification in the next attribute.

Please Select  Company is a Publicly Traded Business Entity

Company is not a Publicly Traded Business Entity

*(Required: Check only one)*

**60 Form 1295 Exemption - Ticker/Stock Symbol**

Changes to the law requiring certain businesses to file a Form 1295 are in effect for contracts entered into or amended on or after January 1, 2018. The changes exempt businesses from filing a Form 1295 for certain types of contracts and replace the need for a completed Form 1295 to be notarized. Instead, the person filing a 1295 needs to complete an "unsworn declaration."

The amended law adds to the list of types of contract exempt from the Form 1295 filing requirement. A completed Form 1295 is not required for:

- a sponsored research contract of an institution of higher education;
- an interagency contract of a state agency or an institution of higher education;
- a contract related to health and human services if:
  - the value of the contract cannot be determined at the time the contract is executed; and
  - any qualified vendor is eligible for the contract;
- a contract with a publicly traded business entity, including a wholly owned subsidiary of the business entity;\*
- a contract with an electric utility, as that term is defined by Section 31.002, Utilities Code;\* or
- a contract with a gas utility, as that term is defined by Section 121.001, Utilities Code.\*

The newly exempt contract types are marked with an asterisk.

If claiming exemption from filing Form 1295 because the business entity is a publicly traded business entity, please provide your company ticker/stock symbol.

---



---



---

*(Required: Maximum 50 characters allowed)*

**6**  
**1** **Deviations/Exceptions to Contract Terms and Conditions**

Complete and submit any deviations/exceptions to the general terms and conditions of the contract attached to the solicitation in the "Attachments" tab and include an explanation for the requested change(s) with your response. Your response should be submitted on the form attached as Attachment Deviations/Exceptions to Pricing Conditions, Terms and Conditions and Contracts. Attach additional sheets as necessary. By execution of its proposal, Vendor agrees to the general terms and conditions of the contract and the form of contract set out in the "Attachments" tab as General Terms and Conditions of the Contract, respectively, to the extent they apply to the provision of Goods or Services (or both) in connection with this solicitation.

**NOTE:** Failure to provide comments or requested changes will indicate your acceptance of the required contract provisions and no further negotiations of the provisions will be permitted. The final contract shall be subject to review and approval by the District's Legal Counsel.

---

---

---

---

---

---

---

---

*(Required: Maximum 4000 characters allowed)*

**6**  
**2** **Criminal History Record Information (CHRI)**

Texas Education Code Chapter 22 requires entities that contract with school districts to obtain CHRI on covered employees. Covered employees with disqualifying criminal histories are prohibited from serving at a school district. Vendor will be required to certify to the District that it has complied and will be required to obtain similar information from its employees, subcontractors of every tier and independent contractors, to the extent they are, or employ, covered employees. "Covered employees" are defined as all employees of a vendor, or its subcontractors of any tier, and individuals who are independent contractors, who have or will have continuing duties related to the service to be performed at the District and have, or will have, direct contact with students. The District will be the final arbiter of what constitutes continuing duties and direct contact with students. A "disqualifying criminal history" includes existence of one of the following offenses in the CHRI Report, if at the time of the offense, the victim was under 18 or enrolled in a public school: (a) a felony offense under Title 5, Texas Penal Code; (b) an offense for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedure; or (c) an equivalent offense to (a) or (b) under federal law or the laws of another state. A copy of the form of criminal background certification is attached hereto in the "Attachments" tab. Vendor shall certify its agreement that prior to commencement of performance under the awarded contract, it will timely obtain CHRI on covered employees, at its sole expense, by initialing the certification in the vendor questionnaire.

**6**  
**3** **Criminal Background Acknowledgement and Certification**

Vendor agrees that prior to commencement of performance under the awarded contract, it will timely obtain CHRI on covered employees, at its sole expense, and provide the certifications set out in the Criminal Background Certification form included in the "Attachments" tab. For information about the District's CHRI process, please visit <https://www.episd.org/Page/12751>.

**Please Note:** Criminal background certification is not required to be executed as part of your Proposal – only agreement to comply is required.

If vendor agrees, please initial.

---

---

---

---

*(Required: Maximum 1000 characters allowed)*

**6** **Fingerprinting for Contractors and Subcontractors (as of Sept 2021)**

**4** The criminal background check requirements for contractors and subcontractors who work at public schools were amended in June 2021. A contractor that provides services to a school district must be fingerprinted before beginning work if the contractor:

- 1. will have continuing duties related to the contracted services, and
- 2. will have the opportunity for direct contact with students.

The requirement does not apply to a contractor that performs construction, alteration, or repair of an instructional facility if the contractor uses separate sanitary facilities, installs a barrier fence, and has a policy that employees may not interact with students or enter areas used by students.

School districts lost access to the criminal history records of individuals who were previously fingerprinted by contractors. If our school district needs to review the criminal history of these individuals, we will need to fingerprint the individuals again.

Who is classified as a contractor that needs to be fingerprinted?

An individual who:

- 1. Is employed or offered employment by a service contractor or a subcontractor of a service contractor, is an individual independent contractor of the school entity, or is an individual subcontractor of a service contractor;
- 2. Has or will have continuing duties related to the contracted services
- 3. Has or will have direct contact with students; and
- 4. Is not a student of the school entity for which the services are performed.

\*If this requirement does not apply, please explain and attach in the attachment section of this solicitation.

Please Select    Requirement Applies-Contractor fingerprints needed

Requirement Does Not Apply    Other - please explain

*(Required: Check only one)*

**6** **Solicitation Term**

**5** The term will be for one (1) year ("initial term") plus four (4) additional years. Renewal terms will be contingent upon satisfactory delivery of goods and/or services. Each renewal term shall be at the same contract price/discount established for the initial term unless otherwise approved by EPISD. All intent to terminate notifications for this agreement must be delivered via certified mail to 4900 Woodrow Bean Dr., El Paso TX 79924, Attn: Procurement & School Resources.

**6** **Insurance**

**6** Vendor represents that it is able to provide the insurance coverage set out in the attachment "Insurance Limits" of this solicitation, and will provide evidence of such coverage to the District at the time a contract for goods and/or services is executed. Please initial below if vendor complies.

---



---



---

*(Required: Maximum 1000 characters allowed)*

**6** **Cone of Silence**

**7**

“Cone of Silence” shall mean a prohibition on any communication regarding any request for information (RFI), request for qualification (RFQ), request for proposal (RFP), bid, or other competitive solicitation between:

1. Any person who seeks an award from the District or its affiliated entities including a potential vendor or vendor’s representative; and
2. Any Board member, Superintendent, senior staff member, principal, department head, director, manager, or other District employee who has influence in the evaluation or selection process.

The cone of silence shall begin upon the development of the scope of work through the issuance of an RFI, RFP, bid, or other competitive solicitation as defined in state law and shall officially end upon execution of an award by the Board and/or the execution of a negotiated contract, whichever represents the final act in the procurement process.

Regardless of the above time period, it shall not be acceptable for potential vendors to participate in discussions that determine the scope of work, strategic direction, technical specifications, or evaluation criteria of such projects.

The Cone of Silence shall apply to the acquisition of goods or services using the procurement methods identified in state law as well as renewal periods for contracts previously awarded by the Board of Trustees with renewal options.

Campaign contributions, gifts, donations, and any other items of value shall be prohibited between the parties defined above for any known contract under consideration during the cone of silence period.

The cone of silence shall not apply to communication with the District’s Legal Services and Procurement Services staff. Such communications shall be limited to the purpose of obtaining clarification or information concerning the subject of solicitation or conducting contract negotiations.

Nothing contained in District policy shall prohibit any potential vendor or vendor’s representative from:

1. Making public representations at scheduled pre-bid conferences or scheduled selection and negotiation committee meetings;
2. Engaging in contract negotiations during any scheduled meeting;
3. Making a public presentation to the Board during any duly noticed public meeting; or
4. Conducting business on contracts previously executed and currently in force.

You may view District Policy CHE (LOCAL) by clicking [HERE](#).

Vendor agrees and will comply with Cone of Silence  
*(Required: Check if applicable)*

**6** **Solicitation Acceptance**

**8**

Please indicate that you have read, understand, agree to, and accept the general terms and conditions, vendor requirements, and specifications contained herein. If you do not agree please provide any deviations in the deviations section of this solicitation.

Please Select    Read: understand, agree to, and accept

Read: do not agree, deviations provided

*(Required: Check only one)*

**6  
9** Code of Federal Regulations (CFR) § 200.321

Federal regulations state that, "The non-Federal entity must take all necessary affirmative steps to assure that small and minority businesses, women's business enterprises, and labor surplus area firms are used when possible."

Please select the type of Firm

- Small
- Minority
- Woman's Business Enterprise
- Labor Surplus Firm
- None of the Above

*(Required: Check all that apply)*

**7  
0** Financial Capacity/Stability

Provide a current financial statement for your company (or individually if you are a sole proprietor) and end-of-year financial statements for the past two (2) years. It is preferred that such statements be audited, however if audited financials are not available please submit statements prepared by a third-party preparer.

- Attached in "Response Attachments" Tab
- Not Attached

*(Required: Check all that apply)*

**7  
1** Firearms Certification

Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants and covenants to the District that the Vendor:

1. does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and
2. will not discriminate against a firearm entity or firearm trade association during the term of this Contract.

For purposes of this provision, the terms "firearm entity", "firearm trade association" and "discriminate against a firearm entity or a firearm trade association" shall have the same meaning as set forth in Government Code Section 2274.001 et. seq. Vendor means a for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

- Please Select
- Vendor Complies with Certification
- Vendor cannot comply

*(Required: Check only one)*

**7  
2** Energy Company Certification

Pursuant to Texas Government Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001:

1. does not boycott energy companies; and
2. will not boycott energy companies during the term of this Contract

- Please Select
- Vendor Complies with Certification
- Vendor Does Not Comply with Certification

*(Required: Check only one)*

**7  
3 Israel Certification**

Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

Please Select    Vendor Complies with Certification    Vendor Does Not Comply with Certification  
*(Required: Check only one)*

**7  
4 Addition of Goods/Services**

During the Term of a Contract awarded under this solicitation, additional goods/services not included in the original solicitation list and resulting awarded contract may become necessary and benefit El Paso ISD. Vendor and El Paso ISD agree that the aggregate value of added purchases during each year of the Contract (if renewed) shall not exceed 10% of the estimated total value of the Contract. The total value of the Contract must be agreed upon, and the dollar value listed in the Contract and each renewal term of the Contract (if any). For purposes of this section, the total value of the Contract includes all contracts awarded as a result of the procurement solicitation to all vendors. For the initial Term of a Contract awarded under this solicitation, Vendor and El Paso ISD agree that the total value of the Contract shall be as stated on the award. Additions of new products may be included in the awarded Contract list during the renewal of the Contract through an amendment to the Contract, and the total Contract value adjusted accordingly. For each renewal term of the Contract, the total actual value of the Contract in the preceding year and the additional new product(s) made during that Term will be the basis for determining the maximum dollar amount (not to exceed 10%) of the additional new product(s) that will be allowed during the next Contract renewal term. Material change means a modification that exceeds and/or alters the terms of the original contract between EPISD, and Vendor exceeding 10% of the contract value.

**7  
5 Attribute deleted as part of an Addendum**

**7  
6 Bid Protest Procedures**

The protest shall be submitted in writing during the bid process, when the aggrieved vendor knows or should have known of the factors giving rise to a protest, or within 5 business days after bid due date.

A written formal protest must contain a minimum of the following:

- The bid number and title of bid.
- A specific identification of the statutory or regulatory provision(s) that the purchasing staff member or department is alleged to have violated.
- A specific description of each act alleged to have violated the statutory or regulatory provision(s) identified above.
- A statement of the relevant facts that include timelines and involved parties.
- An identification of the issue or issues that need to be resolved that support the protest.
- Protest should be emailed to the Buyer/Assistant Director responsible for the bid, with subject line stating: Dispute/Protestand Bid/CSP/RFP name and number.

The Executive Director of Procurement and School Resources Department shall:

- Contact the involved department and inform them of the vendor protest.
- Gather information and prepare documentation for the Chief Financial Officer, outlining the solicitation, evaluation and award of the bid/proposal.
- Inform the involved department on the progress and/or outcome of the vendor protest.

If the protest is not resolved by mutual agreement, the Procurement and School Resources Department shall promptly issue a decision in writing. The decision shall consist of the following:

- The reasons for the action taken will be determined and sent to the aggrieved vendor.
- A copy of the decision shall be immediately forwarded to the vendor and any other party intervening.
- All decisions will be based on "best value" for the District.
- A decision shall be final and conclusive.
- All vendor protest documentation shall be filed with Procurement and School Resources in the respective bid file.

7 *Attribute deleted as part of an Addendum*  
7

7 *Attribute deleted as part of an Addendum*  
8

**Bid Lines**

**1 Package Header**

VENDOR INSTRUCTIONS: PLEASE UPLOAD FOLLOWING DOCUMENTS IN THE RESPONSE ATTACHMENTS PORTION OF THE RFQ

Total: \$

**Package Items**

**1.1 Technology Requirement:**

Does the proposed system meet the following technology requirements?

- End-to-end encryption using public key certificates
- Comprehensive identity and access management controls
- Support for multifactor authentication
- Appropriate access and audit logs mechanisms
- Secure data interchange mechanisms
- Integration with intrusion detection systems
- Includes an incident response and remediation plan
- Integration of security mechanism to prevent phishing attacks - end user training
- System Administrators and application operators training

**1.2 Timeline for Training:**

Outline specific timetable and schedule for competency management processes and staff development approaches:

- Timeline for implementation and training in District. Must outline specific timetable and schedule for competency management processes and staff development approaches recommended by the firm.
- Assessment of nurses knowledge (Does nurse understand training)
- New hired nurse training (timeline)

### 1.3 Demonstrated Capability and Experience to do Similar Work

In addition, RFQ respondents must demonstrate the following minimum key professional requirements as they pertain to this project:

- Must outline firm's principals and their educational and professional background as it related to this project.
- Must clearly outline an ability of the support staff to communicate bilingually at both technical and non-technical levels.
- Experience working with predominantly Hispanic educational institutions and their communities is a plus.
- Highlight the firm's familiarity with K-12 telehealth reform, learning models and projects as they relate to EPISD strategic intent and value propositions.
- Must outline an ability to relate staff development and system management plans to EPISD's strategic plan, compliance standards and staff development needs.





**Board of Trustees**

**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval to Exercise the Second Option to Extend Special Education Related Services, RFP #22-041, to The Stepping Stones Group, LLC (Budgeted Local Funds - Not to Exceed \$200,000.00)*

**JUSTIFICATION STATEMENT:**

(To continue to provide speech and occupational therapy services to students, as required in their Individualized Education Program (IEP), when staff is on extended leave or when there is a vacancy in a position)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Al Garcia, Veronica Reyes, and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever I: Whole Child Development - El Paso ISD schools foster learning environments for the whole child to thrive.*

**SUMMARY:**

The Request for Proposal (RFP) is one (1) of seven (7) approved purchasing methods allowed under Texas Education Code, Section 44.031. The Board approved the award of this RFP to The Stepping Stones Group, LLC, on June 23, 2022. The first option to extend was approved on August 15, 2023.

The services provided through this RFP are used on an as needed basis, when Speech Language Pathology (SLP) and Occupational Therapy (OT) vacancies occur in permanent positions or when permanent employees request the use of leave time through the Family and Medical Leave Act (FMLA). When vacancies or extended absences occur, the District is challenged to support student services that are outlined within their respective Individualized Education Program (IEP). The use of contracted services from an outside agency to fill in during these vacancies, or extended absences, will support the District in creating compensatory services owed to students.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the second option to extend the award for Special Education Related Services, RFP #22-041, to The Stepping Stones Group, LLC, in an amount not to exceed \$200,000.00, for the period of July 1, 2024, through June 30, 2025, with the option to extend for two (2) additional years, one (1) year at a time, and approve the contract, as presented.

**FUNDING SOURCE:** 199.11.6299.999.23.308.824 **ACCOUNT NO.:** Budgeted Local Funds

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** Not to exceed \$200,000.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

Special education related services to students may be delayed.

**IMPLEMENTATION TIMELINE:** Upon approval

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ Extension Letter (Procurement)
- ▢ Signed Contract



EL PASO INDEPENDENT SCHOOL DISTRICT

Procurement & School Resources

James L. Gamble Service Facility
4900 Woodrow Bean Dr.
El Paso, TX 79924
(915) 230-3100
www.episd.org

May 9, 2024

The Stepping Stones Group, LLC
ATTN: Julie Williams
2300 Windy Ridge Parkway, STE 825S
Atlanta, GA. 30339
Sent via email to: julie@thestepingstonesgroup.com

RE: Extension of RFP #22-041 Special Education Related Services - Option 2 of 4

Dear Ms. Williams,

The El Paso Independent School District may utilize the services and/or goods listed in previously awarded RFP #22-041 (Special Education Related Services) for an additional 12 months, option 2 of 4. To proceed with either an extension or termination of this award please complete the form below at your earliest convenience. If there are any adjustments to the pricing or materials, please provide a modified pricing schedule with a rationale for the increase.

If you agree to extend the award for the services and/or goods listed in your RFP #22-041 the same terms and conditions will be in effect from July 1, 2024 to June 30, 2025. Any modification to the terms, conditions, and/or pricing may require approval from the Board of Trustees.

Also, if you have a separate written contract with the district for the awarded services and/or goods, the terms of that contract will govern any extensions thereof.

To allow sufficient time to process this extension, please provide your response and any applicable backup information by Wednesday, May 15, 2024. You may email your response to my attention at aibarra@episd.org or purchasing@episd.org.

If you have any questions or require additional information, please contact the Procurement & School Resources Department at (915) 230-3100.

Respectfully,

Haydee Pena (May 8, 2024 10:00 MDT)

Ms. Haydee Peña
Executive Director, Procurement & School Resources

O.S.R

cc: Bid File
Legal Office

I, Julie Williams, a duly-authorized representative of The Stepping Stones Group

Representative Name

Company Name

- Wish to: [ ] extend the current award with the same terms, conditions, and pricing
[X] extend the current award with revisions (backup information is attached)
[ ] terminate the award and be removed as an awarded vendor for these goods/services

Julie Williams
Representative Signature

Director of Client Services

Representative Title

5/8/24

Date



**THE STEPPING STONES GROUP**  
Transforming Lives Together

Corporate Office  
123 N. Wacker Drive, Suite 1150  
Chicago, IL 60606  
Ph: 678-426-2571 Fax: 303-456-2173  
www.thesteppingstonesgroup.com

Please find the requested bill rate increases below for the extension of RFP #22-041 Special Education Related Services Option 2 of 4.

Respectfully,

Julie Williams, Ed.S/M.S., CCC-SLP

**PROPOSED BILL RATE SHEET FOR EL PASO IS D**

**May 8, 2024**

SERVICE	HOURLY RATE
ARD FACILITATOR	\$65.00 PER HOUR
SPECIAL EDUCATION TEACHER	\$65.00 PER HOUR
AUDIOLOGIST	\$85.00 PER HOUR
BILINGUAL SPECIAL EDUCATION TEACHER	\$68.00 PER HOUR
EDUCATIONAL DIAGNOSTICIAN	\$75.00 PER HOUR
BILINGUAL EDUCATIONAL DIAGNOSTICIAN	\$80.00 PER HOUR
LICENSED SPECIALIST IN SCHOOL PSYCHOLOGY	\$90.00 PER HOUR
BILINGUAL LICENSED SPECIALIST IN SCHOOL PSYCHOLOGY	\$95.00 PER HOUR
SPEECH LANGUAGE PATHOLOGIST	\$85.00 PER HOUR
BILINGUAL SPEECH LANGUAGE PATHOLOGIST	\$90.00 PER HOUR
SPEECH LANGUAGE PATHOLOGIST ASSISTANT	\$68.00 PER HOUR
BILINGUAL SPEECH LANGUAGE PATHOLOGIST ASSISTANT	\$70.00 PER HOUR
BOARD CERTIFIED BEHAVIOR ANALYST	\$105.00 PER HOUR
REGISTERED BEHAVIOR TECHNICIAN	\$55.00 PER HOUR
BEHAVIOR TECHNICIAN	\$45.00 PER HOUR
BEHAVIOR INTERVENTIONIST	\$40.00 PER HOUR
PARAPROFESSIONAL	\$35.00 PER HOUR
REGISTERED NURSE	\$65.00 PER HOUR
LICENSED VOCATIONAL NURSE	\$48.00 PER HOUR
DHH/TVI/MUSIC THERAPIST/SIGN LANGUAGE INTERPRETER	\$65.00 PER HOUR
PHYSICAL THERAPIST	\$80.00 PER HOUR
PHYSICAL THERAPIST ASSISTANT	\$72.00 PER HOUR
OCCUPATIONAL THERAPIST	\$75.00 PER HOUR
CERTIFIED OCCUPATIONAL THERAPY ASSISTANT	\$67.00 PER HOUR
MENTAL HEALTH PROFESSIONAL (LCSW, LMSW, LPC, LMFT)	\$75.00 PER HOUR



**Corporate Office**  
123 N. Wacker Drive, Suite 1150  
Chicago, IL 60606  
Ph: 678-426-2571 Fax: 303-456-2173  
www.thesteppingstonesgroup.com

*The hourly rate(s) listed above are inclusive of direct Services and indirect Services such as planning, scheduling, documentation, IEP meetings, evaluations, required staff meetings, parent consults, and intra-district travel time between school locations for both on site and virtual/teletherapy services. Rates remain the same for both on-site and teletherapy services.*

Additionally, we will provide the following services at **no cost** to the District:

- Dedicated **Triad** team that works together to deliver the highest level of service and support to the District and the students served
- ASHA, AOTA, and NASP approved courses for your clinicians and staff three times per year through our proprietary LMS (Learning Management System), **Bridge Academy**
- Ongoing clinical management and support to each SSG clinician assigned to the District
- Training and development provided by experienced school-based clinicians
- Access to our **Pathways to Success Program** for every SSG clinician including:
  - o Bloom Clinical Fellow Program
  - o Foundations Mentoring Program
  - o Bridge Academy Continuing Education and Training Program

**VENDOR CONTRACT**  
**(Licensed Professional – Services Only)**

THIS VENDOR CONTRACT FOR PROFESSIONAL SERVICES ("this Contract") is between THE STEPPING STONES GROUP LLC (the "Vendor") and the EL PASO INDEPENDENT SCHOOL DISTRICT ("District"). The Effective Date of this Contract is July 1, 2024 regardless of when executed. For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

**1. Term, Scope and Standard of Care.**

1.1 Term. This Contract is entered into for delivery of Services on an "as required" basis. The term of this Contract shall be for a period from July 1, 2024 through June 30, 2025, [with 1 year(s) annual renewal(s)] unless earlier terminated in accordance with this Contract. Annual renewals, if any, shall be at the sole discretion of the District.

1.2 Non-Appropriation. In the event that the Contract is awarded for a term greater than one year, it will be subject to approval at the commencement of each of the District's budget years. Vendor agrees the District has the continuing right to terminate this Contract without notice at the end of a District budget period in which funds for this Contract are not appropriated. In such event, the Contract may be terminated as soon as practicable after the event of non-appropriation or upon 30-days' prior written notice, whichever provides the longest notice.

1.3 Scope. Vendor agrees to provide to the District, the Services described in Exhibit "A", which is attached hereto and incorporated by reference, in such manner as set forth therein; and if and as requested by the District during the Contract term at the location or locations requested (collectively, the "Services"). Except as otherwise described on Exhibit "A," the Services will be those requested by the District through purchase orders to Vendor for particular projects (the "Purchase Orders").

1.4 Standard of Care. The Vendor represents, covenants and warrants that it will provide the Services using the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same locale. Services will be provided in a manner consistent with industry standards and will conform to the required scope and specifications set out herein, and shall be delivered in compliance with all applicable laws, rules, and regulations, District policies/procedures, and consistent with industry standards.

**2. Cancellation/Termination.**

2.1 This Contract may be terminated as follows: (a) by either party in the event of material breach of this Contract by the other party which continues more than thirty (30) days after written notice of default from the non-breaching party to the breaching party; or (b) by the District at its option: (i) if Vendor fails, as determined by the District's representative, to satisfactorily perform the duties set out in this Contract, comply with any covenant herein required or breaches any warranty provided herein; becomes insolvent, files or has filed against it a petition in bankruptcy, proposes or accomplishes any dissolution, liquidation, composition, financial reorganization or recapitalization with creditors; (ii) if a receiver, trustee, custodian, or similar agent is appointed or takes possession of any property or business of Vendor; (iii) if, at the expiration of each District budget period occurring during the term of this Contract, funds for this Contract are not appropriated as provided in Section 1.2 above; or (iv) with or without cause upon thirty days prior written notice from the District to Vendor. In the event of early termination of the Contract for any reason, the total compensation which may be claimed by Vendor under this Contract shall be limited [subject to other limitations in this Contract or applicable law] to the payment for the Services timely provided by the date of termination.

2.2 Within forty-five (45) calendar days of the effective date of completion, termination or expiration of this Contract, Vendor shall submit to District its claims, in detail, for the monies owed by District for Services satisfactorily performed under this Contract through the effective date of termination. **Failure by Vendor to submit its claims within forty-five (45) calendar days shall negate any liability**

**on the part of District and constitute a waiver by Vendor of any and all right or claims to collect monies that Vendor may rightfully be otherwise entitled to for Services satisfactorily performed under this Contract.** Regardless of how this Contract is terminated, Vendor shall effect an orderly transfer to District or to such person(s) or firm(s) as the District may designate, at no additional cost to District. Upon the effective date of expiration or termination of this Contract, Vendor shall cease all operations of Services being performed by Vendor, or any of its subcontractors, pursuant to this Contract. All completed or partially completed documents, papers, records, charts, reports, and any other materials or information produced, or provided to Vendor, in connection with the Services rendered by Vendor under this Contract, regardless of storage medium, shall be transferred to District. Such record transfer shall be completed within thirty (30) calendar days of the termination date and shall be completed at Vendor's sole cost and expense. Payment of compensation due or to become due to Vendor is conditioned upon delivery of all such documents.

**3. Right to Assurance.** Whenever the District in good faith has reason to question the Vendor's intent to perform, the District it may demand that the Vendor give written assurance of its intent to perform. In the event that a demand is made and no assurance is given within five business (5) days, the District may treat this failure as an anticipatory repudiation of the Contract.

**4. Remedies.** In the event of default of this Contract by Vendor, the District shall have all of, and may exercise one or more of, the following rights and remedies: (a) the right to recover damages; (b) the right to seek injunctive relief; (c) the right to seek declaratory relief; (d) the right to off-set and/or retain from payments, otherwise due to Vendor, damages, fees, and costs sustained or incurred by the District in connection with such breach; (e) the right to terminate this Contract as provided herein; and (f) any of its rights and remedies in law or equity. In no event shall District's action of terminating this Contract, whether for cause or otherwise, be deemed an election of District's remedies, nor shall such termination limit, in any way, at law or at equity, District's right to seek damages from or otherwise pursue Vendor for any default hereunder or other action.

**5. Force Majeure.** If by reason of Force Majeure (i.e. acts of God, strikes, lockouts, or other industrial disturbances, etc.), either party hereto shall be rendered unable, wholly or in part, to carry out its obligations under this Contract, then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

**6. Warranties.**

6.1 Express Warranties. Vendor expressly represents, warrants and covenants, that:

(i) Vendor will devote its good faith, best efforts in performing the Services.

(ii) Vendor has and will maintain sufficient financial condition, working capital, experience, expertise, personnel, licenses, certifications, and authority to provide the Services, that it will provide copies of its licenses and certifications to the District upon request, and will comply with the vendor ethics policies of the District.

(iii) The Services to be provided will adequately address the Scope of Services set forth in this Contract and its exhibits, as well as the District's Request for Qualifications, Request for Proposal, Request for Competitive Sealed Proposal, or other solicitation by the District for the Services contracted for herein (the "Solicitation Document").

(iv) The Services shall be delivered in compliance with all applicable laws, rules, regulations, with District policies/procedures, and consistent with industry standards.

6.2 Implied Warranties. No implied warranties for Services provided in connection with this Contract are waived, modified, or excluded by any provision of this Contract, or any terms and conditions

included in any document prepared by the Vendor, and any provision so intended, or interpreted shall be treated as void *ab initio*.

6.3 No Warranties by District. No review, consent, or approval by the District of any documents prepared by Vendor shall constitute a representation or warranty by the District of the legality, suitability, or quality of the same or content thereof.

6.4 Reservation of Rights. The District reserves the right to use its own staff or any other third-party to provide the same or similar services to the Services described herein. The District does not guarantee or promise that it will request by Purchase Orders or otherwise the provision of any or any particular amount of Services from Vendor.

**7. Tax Exemption.** The District is exempt from Federal Excise, State or City Sales Tax under State Law and such obligations are included in the price under this Contract. The District will furnish a tax exemption certificate, if required.

**8. Invoicing and Payment.** Compensation for Vendor is set forth on Exhibit "B," attached hereto and incorporated herein. Except as otherwise provided in Exhibit "B," Vendor shall invoice the District on or before the thirtieth (30<sup>th</sup>) day of each month, for the Services performed during the preceding month at rates set forth on Exhibit "B." Reimbursable Expenses are considered included in the Vendor's hourly rate or not to exceed pricing for Services, unless specifically excluded in Exhibit "B." If excluded from the hourly rate, Reimbursable Expenses will be itemized separately, and documented by receipts for invoicing purposes. Invoices for Services shall not include Federal Excise, State or City Sales Tax for which an Independent School District is exempt under State law. The District shall furnish a tax exemption certificate, if required. The aggregate compensation from the District to Vendor for the Services shall not exceed the maximum figure stated in the Purchase Order issued under this Contract. Vendor shall not be entitled to receive payments or amounts under the Contract or the associated Purchase Orders, in excess of the amounts appropriated for the then-current budget period of the District. The District shall make payment to the Vendor for amounts determined to be properly due, not later than thirty (30) days after its receipt of the Vendor's invoice or as required by the Texas Prompt Payment Act (Chapter 2251 of the Texas Government Code) or its successor. The maximum interest rate on any past due payments by the District to Vendor shall be limited to the rate provided by Section 2251.025 of the Texas Government Code or its successor. The District shall not be required to make any payments to Vendor at any time Vendor is in default under this Contract.

**9. Confidential/Proprietary Information.**

9.1 Vendor understands that, during the term of this Contract, Vendor will have access to certain information belonging to the District and designated as confidential by the District or not generally known by non-District personnel (collectively, the "Confidential Information"). During the term of this Contract and at all times thereafter, Vendor shall not, without the prior written consent of the District, do any of the following, directly or indirectly: (a) use any of the Confidential Information for Vendor's own purposes or for the purposes of any person or entity other than the District; and/or (b) disclose any of the Confidential Information to any third party, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Vendor further shall take all steps necessary to prevent disclosure of Confidential Information by any other person or entity, during the term of this Contract and at all times thereafter, without the prior written consent of the District. All data, disks, lists, financial records, other records, documents, property, information, specifications, and materials of the District relating to the Services, which are provided to Vendor during the term of this Contract, as well as all copies thereof (collectively, the "Materials"), shall be and remain the sole and exclusive property of the District. None of the Materials shall be retained by Vendor, or shall be transmitted to anyone at any time, either now or in the future, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Upon termination of this Contract, or upon request by the District, Vendor shall, at its own expense, promptly return the Materials to the District. The Materials are included within the definition of Confidential Information. Vendor further agrees that, if it receives information or records concerning any

student, it shall not disclose the same, except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA.

9.2 **Intellectual Property Rights.** If Vendor, as part of the Scope of Services of this engagement, will be working with the District [all references to Vendor and District in this paragraph shall include their respective agents, employees and representatives] to create and/or develop materials or other work products, including visual, audio, written and graphic material, and all of Vendor’s contributions to the creation or development of the resulting work product, (the “Resulting Work Product”), for which the Vendor will receive any consideration provided in this Contract, the Resulting Work Product, and any state or federal trademark rights, copyrights, patents or other intellectual property rights associated with the Resulting Work Product (collectively, the “Intellectual Property Rights”), will at all times remain the exclusive property of the District. Vendor agrees to assist the District as in any way necessary, including executing any assignments or other documents, required to document the District’s ownership rights in the Resulting Work Product and the associated Intellectual Property Rights, as applicable; including taking any action necessary for the District to secure state or federal registration of its Intellectual Property Rights in the name of the District. No separate or additional consideration, other than the consideration paid under this Contract, will be provided by the District for any provision of any assignments or conveyance of the Resulting Work Product or Intellectual Property Rights associated with the Resulting Work Product. The Vendor shall assure that its authorized subcontractors or agents, not under its control as employees, are aware of this provision and are contractually bound thereby.

**10. Vendor Records and Retention.** The District or its authorized representative shall be afforded unrestricted access to and be permitted to inspect and copy all of the Vendor’s records, which shall include but not be limited to accounting records (hard copy as well as computer readable data), correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to this Contract. The Vendor shall preserve all such records for a period of five (5) years after the District makes final payment and all other pending matters are closed, or for such longer period as may be required by law, after final payment under this Contract, including any extension thereof. To the extent that the requirements of 2 CFR § 200.333 apply to the Contract, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award, must be retained for the Vendor for only the period required by 2 CFR § 200.333 and the five (5) year requirement of this provision shall apply to all other documents. If no federal funds are expended by the District for the Contract, the five (5) year retention requirement provided herein will apply.

For a Contract involving or valued at least \$1 million, the following provision shall apply:

Vendor shall preserve for the duration of this Contract all “contracting information” within the meaning of Texas Government Code Section 552.003(7) et. seq. relating to this Contract (the “Contracting Information”) as provided by the records retention requirements applicable to the District. Vendor shall provide to the District, upon its request, any Contracting Information that is in the custody or possession of Vendor. Upon completion of this Contract, Vendor shall either provide at no cost to the District all Contracting Information in the custody or possession of Vendor or instead preserve all Contracting Information as provided by the records retention requirements applicable to the District. Pursuant to Texas Government Code Section 552.372(b), the following notice is given to Vendor: The requirements of Subchapter J, Chapter 552, Government Code, may apply to this Contract, and Vendor agrees that the Contract can be terminated if Vendor knowingly or intentionally fails to comply with a requirement of that Subchapter.

**11. Insurance.** Vendor shall provide and maintain in effect during the performance of this Contract insurance of the types and with indemnification limits not less than the following amounts (the “Vendor Limits”):

<u>Professional Liability/Errors and Omissions</u>	\$1,000,000.00 per occurrence and \$2,000,000.00 in the aggregate
--	---

Automobile Liability	If Vendor operates a motor vehicle on District property, \$100,000.00 Bodily Injury (per person), \$300,000.00 Bodily Injury (per accident), and \$100,000.00 Property Damage (per accident)
----------------------	--

11.1 The required insurance must be written by a company licensed to do business in Texas at the time the policy is issued and rated no less than A-VII in the most current edition of Best’s Rating Manual at all times during the term of this Contract. The Commercial General Liability and Automobile policies issued in the name of Vendor shall also name the District as additional insured. Evidence of additional insured status will be provided to District by providing a copy of the endorsement being used to effect the addition of the District as an additional insured and shall be subject to the District’s reasonable approval. It is the intent of the parties to this Contract that the General Liability and Automobile coverage provided herein shall be primary to and shall seek no contribution from all insurance available to District, with District’s insurance being excess, secondary, and non-contributing. The Commercial General Liability and Automobile coverage shall be endorsed to provide such primary and non-contributing liability.

11.2 Vendor shall have its insurance carrier(s) furnish to District insurance certificates in form satisfactory to District, at a minimum specifying the types and amounts of coverage in effect, and listing all exclusions and limitations added by endorsement to the general liability insurance coverage, the expiration dates of each policy, a statement that no insurance will be canceled or materially changed while delivery of products or Services are in progress without thirty (30) calendar days prior written notice to District, and a statement that, except for the Workers’ Compensation Insurance and Professional Liability Insurance, the District is named as additional insured. Vendor shall permit District to examine the insurance policies, or at District’s option, Vendor shall furnish District with copies, certified by the carrier(s), of insurance policies required.

11.3 When there is a cancellation, non-renewal or material change in coverage which is not made pursuant to a request by District, Vendor shall notify District of such and shall give such notices not less than thirty (30) days prior to the change, if Vendor knows of said change in advance, or ten (10) days’ notice after the change, if the Vendor did not know of the change in advance. In the event of cancellation or non-renewal, such notice must be accompanied by a replacement Certificate of Insurance.

11.4 If Vendor fails to maintain the aforementioned insurance, or fails to secure and maintain the aforementioned endorsements, District may obtain such insurance, and deduct and retain the amount of the premiums for such insurance from any sums due under the applicable Contract. However, procuring of said insurance by District is an alternative to other remedies District may have, and is not the exclusive remedy for failure of Vendor to maintain said insurance or secure such endorsement, in addition to any other remedies District may have upon Vendor’s failure to provide and maintain any insurance or policy endorsements to the extent and within the time herein required. Nothing herein contained shall be construed as limiting in any way the extent to which Vendor may be held responsible for payments of damages to persons or property resulting from Vendor’s or its subcontractors’ performance/delivery of the Services or deliverables covered under this Contract.

**12. Indemnification.**

12.1 **General Indemnification.** VENDOR AGREES TO INDEMNIFY, DEFEND, AND HOLD HARMLESS THE DISTRICT AND ITS TRUSTEES, OFFICERS, AGENTS AND EMPLOYEES (COLLECTIVELY, THE “INDEMNIFIED PARTIES”) FROM AND AGAINST, ANY CLAIM, CAUSE OF ACTION, LOSS, LIABILITY OR REASONABLE EXPENSE, (INCLUDING ATTORNEY’S FEES, AND OTHER FEES, COURT COSTS AND OTHER COSTS), INJURIES, DAMAGES, HARM, OR OTHER LOSS, ARISING DIRECTLY OR INDIRECTLY, IN WHOLE OR IN PART FROM BREACH OF THIS CONTRACT BY VENDOR, NEGLIGENT, INTENTIONAL, OR OTHER ACTIONS OR INACTIONS OF VENDOR, ITS OWNERS, DIRECTORS, OFFICERS, AGENTS, EMPLOYEES, SUBCONTRACTORS OR SUPPLIERS, OR

**ARISING, IN WHOLE OR IN PART, OUT OF A DEFECTIVE PRODUCT, NEGLIGENT, INTENTIONAL, OR OTHER OPERATIONS OR SERVICES OF VENDOR, ITS OWNERS, DIRECTORS OFFICERS, AGENTS, EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS, UNDER THIS CONTRACT.** Vendor shall promptly advise the District, in writing, of any claim or demand against the District or Vendor known to Vendor related to or arising out of Vendor's activities/performance under this Contract.

**12.2 Intellectual Property Rights Indemnification. Vendor shall INDEMNIFY, DEFEND, AND HOLD HARMLESS the District, its elected officials, employees, officers, and representatives, from and against any and all liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) for infringement of any patent, copyright or similar property right including, but not limited to, misappropriation of trade secrets and any infringement by Vendor and its employees and consultants, in connection with any license provided, any deliverable or any Service furnished hereunder, and used by the District or Vendor within the scope of this Contract (unless said infringement results directly from Vendor's compliance with District's written standards or specifications).**

**12.3 Defense Counsel.** In connection with any indemnification obligation in this Section 12, District, in its sole discretion shall have the right to approve or select defense counsel to be retained by Vendor in fulfilling its indemnity obligation hereunder, unless such right is expressly waived by District in writing. District reserves the right to provide a portion, or all of its own defense, at its own expense; however, District is under no obligation to do so. Any such action by District is not to be construed a waiver of Vendor's obligation to defend District or a waiver of Vendor's obligation to indemnify District pursuant to this Section. Vendor shall retain District approved defense counsel within seven (7) business days of District's written notice that District is invoking its right to indemnification under this Contract. If Vendor fails to retain counsel within such time period, District shall have the right to retain defense counsel on its own behalf, and Vendor shall be responsible for all costs incurred by District until such time as the Vendor provides a defense.

**12.4 Indemnity Survival.** The provisions of this Section 12 are solely for the benefit of the parties hereto, and not intended to create or grant any rights, contractual or otherwise, to any other person or entity and the obligations herein shall survive the termination or expiration of this Contract.

### **13. Work On School District Campuses.**

**13.1 Notice Before Entry During School Hours and Decorum on District Campuses.** Vendor acknowledges that work may be performed in connection with an educational facility that is currently occupied and in use. It is imperative that Vendor's deliveries and/or performance of Services not interfere with, interrupt, disturb, or disrupt District's normal operations or facilities. During school hours, when entry is not made on an emergency basis, Vendor shall notify the District in advance and arrange an escort for Vendor's representative.

**13.2** Vendor agrees to and shall comply with all rules, regulations and requirements of the District and the school campus on which work is to be performed, and shall take all steps necessary to protect and guard the safety of the employees, students and invitees of District. Vendor recognizes that the ongoing school activities in proximity with its onsite activities shall result in the need for prompt and effective coordination of its Services with those involved in the ongoing use of the premises. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Vendor shall be responsible for the actions of its employees and its vendors. The Vendor recognizes that the site is a public-school campus, and will prohibit the possession or use of alcohol, controlled substances, tobacco, and any prohibited weapons on the site and shall require adequate dress of the Vendor's forces consistent with the nature of the work being performed.

**14. Criminal Background Checks.** Vendor shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, District Board Policy CH (Legal) and (Local), and other policies and administrative requirements relating to or

arising from such statute and rule(s); shall ensure that no covered employee of Vendor or of any subcontractor [if authorized] with a disqualifying criminal history performs Services under the award at or for the District; and shall timely provide written certifications thereunder in such form and substance as requested by the District. Vendor understands that any failure to comply with the requirements of this section may be grounds for termination of its Contract with the District.

**15. Contractual Relationship.** This Contract does not constitute a joint venture or partnership of any kind between the parties hereto. In addition, the parties expressly understand and agree that the provision of the Services are and shall be considered independent contractor work performed by Vendor, using Vendor's own talents, contacts, tools, vehicles, and equipment, and that nothing in this Contract in any way creates an express or implied contract of employment between the District and Vendor. Vendor is not and shall not be an employee of the District for any purpose. Vendor is exclusively responsible for all administrative matters relating to its status hereunder or the Services, including without limitation, travel, lodging, and other expenses, any withholding and payment of all federal, state and local income taxes, FICA, FUTA, or other employment-related taxes, workers' compensation insurance, fringe benefit programs, or other benefits of any kind. Vendor represents that it is an independent contractor providing services for hire similar to the Services to the general public, that it has full authority and capacity to enter into this Contract and perform the Services, and that execution or performance of this Contract by Vendor shall not violate any other agreement or covenant or any law.

**16. Federal Edgar Provisions.** Vendor acknowledges in the event federal funds are utilized to fund the Services delivered under the Contract, Vendor will abide by all applicable federal laws, rules, and regulations, executive orders, and policies, procedures and directives applicable to the Contract, including but not limited to the following:

16.1 Contractual Remedies. Vendor agrees that it will comply with all administrative, contractual, legal remedies sanctions and penalties for violation or breach which are included in this Contract.

16.2 Wage and Hour Requirements. To the extent that this Contract is for an amount greater than \$100,000 involves the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), which requires Vendor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. This provision will not apply to the District's purchases from Vendor of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

16.3 Clean Air Act and EPA. If this Contract is for an amount which exceeds the Simplified Acquisition Threshold currently set at \$150,000, Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 -7671q) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387) and agrees to promptly notify the District of any violation. The Vendor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal funds.

16.4 Debarment and Suspension. Vendor has certified that neither the Vendor nor its principals were listed on the government-wide exclusions in the System for Award Management ("SAM"), that neither the Vendor nor its principals are debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549 at the time this Contract was executed. Vendor further agrees on behalf of itself and its principals, to immediately provide written notification to the District if, at any time following execution of this Contract, Vendor or one of its principals learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances, or if Vendor or one of its principals is later listed on the government-wide exclusions in SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Failure to notify the District of erroneous

information within five (5) business days of change in circumstances shall be grounds for immediate termination, but termination of Vendor shall not be an election of remedy by the District. The certifications in this paragraph are material representations of fact upon which the Owner/District will place its reliance. The Vendor acknowledges that if it is later determined that Contractor did not comply with 2 CFR pt. 108, Subpart C and CFR Part 3000, subpart C and, knowingly rendered an erroneous certification, in addition to the remedies available to the Owner/District, the Federal Government may pursue available remedies including, but not limited to, suspension and debarment. The Vendor will comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C during period of this Contract and shall include a provision requiring compliance with these regulations in any contract with any lower tier covered transaction under this Contract.

16.5 Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352. Vendor confirms its certification to the District that:

(i) No Federal appropriated funds have been paid or will be paid, by or on behalf of Vendor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(ii) Vendor further certifies that if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Vendor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Vendor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., providing administrative remedies for false statements, apply to this certification and disclosure, and that this certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Finally, Vendor agrees that it will require that the language of this certification be included in the award documents for all lower-tier contractors it hires, and that it will ensure that all subcontractors make the same certification in connection with work done under the Contract.

16.6 Compliance with Mandatory Provisions of State Energy Conservation Plan. Vendor shall comply with the all mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201), if any.

16.7 Compliance with Solid Waste Disposal Act. If the District purchased the same item or items from the Vendor under this Contract, which were purchased by the District during the preceding fiscal year, and the prior purchase exceeded \$10,000, Vendor agrees that it will comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, where applicable, and that it will provide information and certifications required by the District confirming estimates and otherwise evidencing such compliance.

16.8 Equal Employment Opportunity Clause. Vendor represents, warrants and certifies that, during the performance of the Contract:

(i) it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: employment, upgrading,

demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination;

(ii) it will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin;

(iii) it will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with Vendor's legal duty to furnish information;

(iv) it will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the commitments under section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

(v) it will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor;

(vi) it will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders;

(vii) in the event of Vendor's non-compliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations, or orders, the Contract may be canceled, terminated or suspended in whole or in part and the Vendor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law; and,

(viii) it will include the provisions of paragraphs (i) through (vii) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. Vendor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event Vendor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Vendor may request the United States to enter into such litigation to protect its interests.

16.9 Termination for Convenience. Notwithstanding any provision to the contrary contained in this Contract if federal funds are used to fund the purchase represented by this Contract, the District, reserves the right to terminate this Contract for convenience. In such event, the District agrees, that it will be responsible, all legitimate charges with respect to periods prior to the termination.

## 17. Miscellaneous.

17.1 Assignment/Delegation. Without the prior written consent of the other party, no party shall have right or power to assign this Contract in whole or in part, or to delegate or sub-contract any duties hereunder in whole or part. Any attempted assignment or delegation by Vendor shall be wholly void and ineffective for all purposes unless made in the conformity with this paragraph.

17.2 Governing Law and Venue. **THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND IS PERFORMABLE IN EL PASO COUNTY, TEXAS.**

17.3 No Waiver of Immunity. The District reserves, and does not waive, its rights of sovereign/governmental immunity and similar rights, immunities and rights of its officials and employees, under the Texas Tort Claims Act. Nothing herein shall be a consent to suit.

17.4 No Third-Party Beneficiaries. This Contract, and every provision thereof, shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns. No term or provision of this Contract shall benefit or obligate any person or entity not a party to it. The parties hereto shall cooperate fully in opposing any attempt by any third person or entity to claim any benefit, protection, release or other consideration under this Contract.

17.5 Context. Wherever the context shall require, the singular shall include the plural, and the male gender shall include the female gender and the neuter, and vice versa.

17.6 Attorney's Fees. In the event that either party brings an action to enforce or interpret any provision of this Contract, the prevailing party, will be entitled to recover its costs and expenses including, without limitation, reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which it shall be entitled to receive, as determined by the trier of fact in such dispute.

17.7 Waiver. No waiver, change, modification or discharge by either party hereto of any provision of this Contract shall be deemed to have been made or shall be effective, unless expressed in writing and signed by the party to be charged. A waiver by either party of a breach of any of the terms, conditions, covenants or guarantees of this Contract shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either party to insist in any one or more cases upon the strict performance of any of the covenants of this Contract, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. No act or omission by a party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

17.8 Severability. Any provision, or part thereof, of this Contract held by a court of competent jurisdiction to be invalid or unenforceable shall not impair or invalidate the remainder of this Contract and the effect thereof shall be confined to the provision, or part thereof, so held to be invalid or unenforceable.

17.9 Time of Essence. Time is of the essence with respect to Vendor's obligations hereunder.

17.10 Public Records. Records relating to this Contract may be subject to disclosure pursuant to the Texas Public Information Act f/k/a Open Records Act, Section 552.001 et. seq. of the Texas Government Code. To the extent any of the Services under this Contract involve the exchange or creation of Public Information as defined by such Act, the Vendor shall make any such information, not otherwise exempted from disclosure under such Act, available in writing and electronically in Microsoft Word, Microsoft Excel and or Adobe Acrobat.

17.11 Notices. All notices to a party under this Contract shall be provided by Certified Mail, Return Receipt Requested, to the address set forth for the respective party beneath its signature block in this Contract, or such other address as later provided by a party through written notice to the other party.

17.12 Advertising. Vendor shall not advertise or publish, without the District's prior consent, the fact that the parties have entered into this Contract, except to the extent necessary to comply with proper requests for information from a representative of the federal, state, or local government.

17.13 Right to Audit and Records Access. The District, or its authorized representative (including Texas Education Agency and the Comptroller General), shall be given reasonable access to records and rights to perform audits by the District's own personnel and/or an outside firm of consultants/auditors, in order to investigate any District claims, the Services, and evaluate the performance of the Vendor. The Vendor agrees to provide full cooperation during this process. Performance of these functions shall be conducted with proper notification per customary industry standards. Vendor agrees to maintain all required records for five (5) years after the District makes final payment and all other pending matters are closed.

17.14 Israel Certification. Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

17.15 Firearms Certification. Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor: (a) does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (b) will not discriminate against a firearm entity or firearm trade association during the term of this Contract. For purposes of this provision, the terms "firearm entity", "firearm trade association" and "discriminate against a firearm entity or a firearm trade association" shall have the same meaning as set forth in Government Code Section 2274.001 et. seq. Vendor means a for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

17.16 Energy Company Certification. Pursuant to Texas Government Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001, (a) does not boycott energy companies; and (b) will not boycott energy companies during the term of this Contract.

17.17 **Entire Contract/Modification**. **THIS CONTRACT IS THE FINAL, COMPLETE, AND ENTIRE CONTRACT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER AND SUPERSEDES ALL PRIOR COMMUNICATIONS, ORAL OR WRITTEN, BETWEEN THE PARTIES RELATING TO MATTERS HEREIN. THIS CONTRACT MAY BE MODIFIED OR RESCINDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY BOTH PARTIES TO THE CONTRACT BY AND THROUGH THEIR DULY AUTHORIZED AGENTS. Changes to this Contract may only be made by mutual written Contract of the Parties, which must contain the authorized signature of the District's Superintendent or the President of the District's Board of Trustees.** No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this Contract shall not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. In the event of any conflict between this Contract and the General Terms and Conditions of the contract attached to the Solicitation Document, the terms of this Contract shall control.

[Signatures on next page]

EXECUTED as of the \_\_12\_\_ day of \_June\_\_\_\_, 2024.

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Diana Sayavedra, Superintendent

APPROVED AS TO FORM *Spencer Collins*

By: \_\_\_\_\_  
Jeanne C. Collins, General Counsel  
~~Signed Tuesday, June 11, 2024~~

ADDRESS FOR NOTICE:

El Paso Independent School District  
Attn: Superintendent  
1014 N. Stanton Street  
El Paso, Texas 79902

With Copy to:  
General Counsel  
El Paso Independent School District  
1014 N. Stanton Street  
El Paso, Texas 79902

VENDOR: THE STEPPING STONES GROUP LLC

By: *Julie Williams*  
Julie Williams  
Director, Client Services

ADDRESS FOR NOTICE  
The Stepping Stones Group, LLC  
2300 Wingy Ridge Parkway, STE 825S  
Atlanta, GA 30339

**EXHIBIT “A”**  
**Scope of Services and Deliverables**

Legal Name of Vendor: The Stepping Stones Group LLC

Social Security Number or Tax ID Number of Vendor: 26-0852181

Vendor's Contact Address And Telephone Number:

The Stepping Stones Group LLC  
2300 Windy Ridge Parkway, STE 825S  
Atlanta, GA 30339  
(678) 426-2576

Services to be provided [mark as applicable]:

- Therapy (i.e. OT/PT/ST)
- Evaluation/Report
- Interpreting
- Participation at ARD
- Other [please explain]: Speech therapy and occupational therapy as requested by the District to include therapy, evaluations, and ARD meetings for the contract term.

SERVICE	HOURLY RATE
SPEECH LANGUAGE PATHOLOGIST	\$85.00 PER HOUR
BILINGUAL SPEECH LANGUAGE PATHOLOGIST	\$90.00 PER HOUR
SPEECH LANGUAGE PATHOLOGIST ASSISTANT	\$68.00 PER HOUR
BILINGUAL SPEECH LANGUAGE PATHOLOGIST ASSISTANT	\$70.00 PER HOUR
OCCUPATIONAL THERAPIST	\$75.00 PER HOUR
CERTIFIED OCCUPATIONAL THERAPY ASSISTANT	\$67.00 PER HOUR

*The hourly rate(s) listed above are inclusive of direct Services and indirect Services such as planning, scheduling, documentation, IEP meetings, evaluations, required staff meetings, parent consults, and intra-district travel time between school locations for both on site and virtual/teletherapy services. Rates remain the same for both on-site and teletherapy services.*

The following services will be provided at **no cost** to the District:

- Dedicated Triad team that works together to deliver the highest level of service and support to the District and the students served
- ASHA, AOTA, and NASP approved courses for your clinicians and staff three times per year through our proprietary LMS (Learning Management System), Bridge Academy
- Ongoing clinical management and support to each Vendor clinician assigned to the District

- Training and development provided by experienced school-based clinicians
- Access to Vendors *Pathways to Success Program* for every Vendor clinician including:
  - o Bloom Clinical Fellow Program o Foundations Mentoring Program
  - o Bridge Academy Continuing Education and Training Program

Location for Services provided: Various District campuses, as needed.

Max. length of time for Contract, (i.e. 2019-2020 School Year): 2024-2025 School Year with one option to renew at the District’s discretion for the 2025-2026 School Year.

Projected Number of Participants (if applicable): Not applicable

The Services are further described on the following page(s), if any, attached hereto and incorporated herein.

**Deliverables:**

Report or Other Deliverable	Expected Delivery Date
Not Applicable	

**EXHIBIT "B"**  
**Compensation and Pricing**

**Compensation** [mark/complete one or more as applicable]:

NA \$\_\_\_\_\_ (Lump Sum/Fixed Price)

\_\_\_\_\_ Payable at completion.

\_\_\_\_\_ Quarterly Payments of \$\_\_\_\_\_ beginning \_\_\_\_\_.

\_\_\_\_\_ Payable as follows:

\$\_\_\_\_\_ on \_\_\_\_\_

\$\_\_\_\_\_ on \_\_\_\_\_

\$\_\_\_\_\_ on \_\_\_\_\_

NA \$\_\_\_\_\_ per \_\_\_\_\_, (with a not to exceed cap of \$\_\_\_\_\_)

NA \$\_\_\_\_\_ per hour, (with not to exceed cap of \$\_\_\_\_\_, based on rates below)  
payable monthly based upon hours and types of Services provided and documented in invoice.

X Other [please explain]: Services rendered will be invoiced on a monthly basis. The invoice will be paid within 30 days of receipt.

**Expenses: [Description]** All expenses included in hourly rate.

**Total compensation permitted under this Contract:** Not to Exceed \$200,000.00 per year.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS CONTRACT IS CONDITIONED UPON THE COMPENSATION FOR THE INITIAL TERM AND ANY RENEWAL TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, AND ANY SUBSEQUENT BUDGET THEREAFTER, FOR RENEWAL TERMS, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS CONTRACT IS VOID.**

**THIS CONTRACT IS ALSO CONTINGENT UPON ITS UNDERLYING PROCUREMENT RFP 22-041 BEING VALID FOR THE CONTRACT TERM AND DISTRICT HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval to Exercise the First Option to Extend RFP #23-075, Sheltered Instruction Observation Protocol (SIOP) Model, from Savvas Learning Company, LLC, and the Purchase of Materials, Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC) Contract #24-7474, Consulting, Instructional, and Training Resources (Budgeted Federal Funds - \$148,707.38)*

**JUSTIFICATION STATEMENT:**

(To provide an instructional model to English language learners and help them develop proficiency while building academic English literacy skills and subject area knowledge)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Al Garcia, Veronica Reyes, Sandra Calzada, and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever I: Whole Child Development - El Paso ISD schools foster learning environments for the whole child to thrive.*

**SUMMARY:**

The Request for Proposal (RFP) is one (1) of seven (7) approved purchasing methods allowed under Texas Education Code, Section 44.031.

On October 17, 2023, the Board approved the initial award of RFP #23-075, Sheltered Instruction Observation Protocol (SIOP) Model, to Savvas Learning Company, LLC. The RFP provides an option to extend for four (4) additional years, twelve (12) months at a time, if service is satisfactory and both parties agree in writing. If approved, this constitutes the first option to extend the contract.

The purpose of these services is to provide training to support the District's Connecting Languages Department and its staff members. Sheltered Instruction Observation Protocol (SIOP) training includes lesson preparation, building background, knowledge, comprehensible input, strategies, interaction, practice/application, lesson delivery, and review and assessment.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the first option to extend RFP #23-075, Sheltered Instruction Observation Protocol (SIOP) Model, to Savvas Learning Company, LLC, and the purchase of materials, utilizing Region 19 Education Service Center (ESC) Allied States Cooperative (ASC) Contract #24-7474, Consulting, Instructional, and Training Resources, in the amount of \$148,707.38, effective July 1, 2024, through June 30, 2025, with the option to extend three (3) additional years, twelve (12) months at a time, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget.

**FUNDING SOURCE:** Budgeted Federal Funds **ACCOUNT NO.:** 263.13.6299.811.25.100.811

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$148,707.38
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

The District will be unable to obtain new strategies to deliver lessons that address the academic and linguistic needs of English learners.

**IMPLEMENTATION TIMELINE:** Upon approval

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ Coop Contract Information
- ▢ Signed Contract

**EDUCATION SERVICE CENTER REGION 19 ALLIED STATES COOPERATIVE**  
**RFP AWARD SUMMARY**

**RFP TITLE:** Consulting, Instructional, and Training Resources – ESC Region 19 Allied States Cooperative

**RFP NUMBER:** 24-7474

**RFP OPENING DATE:** October 17, 2023

**CONTRACT TERM:** Date of award until December 31, 2024, with 4 annual extension options.

**FUNDING SOURCE:** Various

**RFP's ISSUED:** 1,801

**RESPONSES:** 152

**ADVERTISEMENT DATES:** El Paso Times – September 18, 2023 & September 25, 2023

**RECOMMENDED FOR AWARD:** **2ove1, LLC (John C. Harre JR)**  
**4D Works LLC / Mike Desparrois Consulting**  
**4mativ Technologies**  
**4QM Teaching**  
**Accelerate Learning Inc.**  
**AccuCut LLC**  
**Adriana Alvarez** \*updated 1/23/2024  
**Apperson, Inc.**  
**Applied Practice (Propel Education Strategies, Inc.)**  
**Asteria Education, Inc. dba ECS Learning Systems (Asteria Learning Inc)**  
**Avant Assessment**  
**B.E. Publishing**  
**Back 2 School Texas, L.L.C. (Paul Alex Islas)**  
**Ballard & Tighe, Publishers (Educational IDEAS, Inc)**  
**BattleQuestions.com (Donna McAlonen)**  
**Be Glad LLC**  
**Bedford, Freeman & Worth Publishing Group, LLC (Macmillan Holdings LLC)**  
**Bellwether Media**  
**BlueWonder Creative**  
**BookNook Inc.**  
**Bound To Stay Bound Books, Inc.**  
**Braintrust Tutors**  
**C/Q International, LLC (Marisa Quintanilla) (HUB)**  
**Care Behavioral Health, LLC**  
**Carnegie Learning, Inc.**  
**Children's Plus, Inc.**  
**Committee for Children**  
**Complete Book and Media Supply, LLC (HUB)**  
**Comprehensive Training Center (HUB)**  
**CompTIA (The Computing Technology Industry Association, Inc)**  
**Constructive Playthings (U.S. Toy Company, Inc.)**  
**Crabtree Coaching Collaborative (Alissa Crabtree)**  
**Creative Mathematics (Kimberly Sutton)**  
**Crisis Prevention Institute, Inc.**  
**Crowning Point LLC**  
**Dallas Ecological Foundation (Outdoors Tomorrow Foundation)**

Delaney Educational Enterprises  
 DreamBox Learning Inc.  
 Dual Language Education of New Mexico  
 E3 Alliance  
 Education Elements  
 Educational Research Institute (ERI Funding Group, Inc.)  
 (HUB)  
~~Eduspark, Inc.~~ \*updated 1/23/2024  
 Emily Iland Inc  
 Engage! Learning Inc. (engage2learn)  
 EPS Operations, LLC (EEP-EPS Holdings, LLC)  
 Expedited Reports (Alexis Arceo)  
 Filo Edtech (Filo Edtech Inc.)  
 Flinn Scientific, Inc.  
 Footsteps2Brilliance, Inc.  
 Forethought Essentials LLC (Kimberly Harmon Welch)  
 Frenalytics (Think Group Holdings, Inc.)  
 friEdTechnology (HUB)  
 Garro Behavior Consulting (Joan Marie Rickerl Garro)  
 getpoms.com (Michele Summerall)  
 Gumdrop Books (Central Programs Inc.)  
 Happy and Fun Lifestyle LLC (Lisa Caprelli, Children's  
 Author, Speaker) (Lisa Caprelli Solomon)  
 Harry K. Wong Publications, Inc.  
 Hatch, Inc  
 HMH-NWEA (NWEA, a division of Houghton Mifflin Harcourt  
 Publishing Company)  
 IEP Curriculum and Consulting, LLC (Michael P Soria)  
 ILO Group LLC  
 Instructional Empowerment, Inc. (Learning Services  
 International and The Marzano Evaluation Center)  
 Josh Shipp Productions, LLC (Top Youth Speakers)  
 JROTC Dog Tags, Inc  
 Kagan Professional Development  
 Kajitani Education (Alex Kajitani)  
 Kamico Instructional Media, Inc. (HUB)  
 Kaplan Early Learning Company  
 Keystone Books and Media  
 Kids Excel El Paso Inc.  
 Lakeshore Learning Materials, LLC (Lakeshore Parent, LLC)  
 Learner's Edge Consulting (Tara M. Brown)  
 Learning Farm, LLC.  
 Learning Without Tears (No Tears Learning)  
 Loom Consulting (HUB)  
 Loving Guidance LLC (Conscious Discipline Holdings, LLC)  
 LumenKind  
 Mamba GaGa, LLC  
 Marzano Resources, LLC  
 Math & Science Cut Ups (Integral Mathematics, Inc.) (HUB)  
 MindRise Learning  
 n2y, LLC  
 National Science Teachers Association-NSTA  
 Nearpod Inc.  
 New Horizons Computer Learning Centers, Inc.

New Teacher Center  
 Nextec Inc.  
 Okapi Educational Publishing  
 Onofre & Associates INC.  
 Ori Learning (SpecialNeedsWare, Inc)  
 Pacific Learning  
 Perma-Bound Books. (Hertzberg-New Method, Inc.)  
 Platinum Consulting Services (HUB)  
 Playlearn USA Inc.  
 Positive Directions Co  
 Progress Learning LLC  
 ProSolve LLC  
 QEP Professional Books (QEP, Inc.)  
 Quill Corporation (Staples, Inc.)  
 Rainbow Book Company (Rainbow Books, Inc. dba Rainbow  
 Book Company of Illinois)  
 Readable English  
 Real OT Solutions, Inc.  
 Really Good Stuff, LLC.  
 Really Great Reading Company, LLC  
 Renaissance Learning, Inc.  
 Responsive Learning, LP  
 Rev it Up! Consulting Group (Rev it Up! Consulting Group,  
 LLC) (HUB)  
 Richard C. Owen Publishers, Inc.  
 Richards Lindsay & Martin, LLP  
 Rigged In Your Favor (Leticia M. Salas)  
 Ripple Effects (Ripple Effects, Inc.)  
 Russell's Educational Consulting (Hazel Russell)  
 Salas Music (Salas Music Publishing and Production/Angel  
 Music) (Arturo Salas Salas)  
 Sandviks HOP, Inc. (Hooked on Phonics)  
 Savvas Learning Company LLC (Gateway Education  
 Holdings LLC)  
 Scholastic Book Fairs  
 School Specialty LLC  
 Seidlitz Education  
 Sirius Education Solutions (Sirius Education Solutions LLC)  
 Solution Tree, Inc.  
 Southwest Training Systems Inc.  
 Summit K12 Holdings, Inc  
~~Sweet Pipes (BRBM Publishing LLC)~~ \*updated 1/23/2024  
 TAG2: The Art of Continuous Growth  
 TCASE Services by Design (TCASE Services, Inc.)  
 Teachers Discovery Inc (American Eagle Inc.)  
 Teaching Strategies, LLC (UTJ Holdco, Inc.)  
 Textbook Warehouse (Textbook Warehouse, LLC)  
 Think Big Learning  
 Thinking Maps, Inc.  
 Threads of Love LLC  
 Tutorfly (Tutorfly Holdings Inc.)  
 UWorld LLC  
 XanEdu Publishing, Inc.  
 Xello Inc.

**TOTAL (estimated)**

**Ztastic Solutions, LLC**  
**\$50,000,000.00/year**

**EXPLANATIONS:**

Award of this solicitation will enable ESC Region 19 - Allied States Cooperative (ASC) to establish a contract with vendor(s) for Consulting, Instructional, and Training Resources for those procurements made with federal, state or local funds. Evaluation and award recommendation were based on 70% pricing and 30% references. The awarded vendors' pricing and information can be found on the Award Detail spreadsheet. Dantek Systems, Maria de Jesus Ortiz, MGT of America Consulting LLC, Positive Behavior Supports Corp (Positive Behavior Supports), Sandra Garcia-Salcido, and Tuatara Consulting Inc. submitted a proposal however were not considered; vendors do not meet the scope of work. Dr. M. Aguilar Educational Consulting (Magdalena Aguilar) withdrew their submittal. Gillem Staffing (Gillem Speech - Language Pathology Services LLC) submitted a "No Bid" response and do not meet the scope of work. Adventures in Learning / AIL Products (Gregory Dale Laufer), Corwin Press, Discount School Supply (Earlychildhood LLC), Edmentum, ETA hand2mind (hand2mind, Inc.), Forde-Ferrier LLC, and World Book, Inc. submitted a proposal however were not considered; vendors did not meet the requirements of the bid regarding reporting and/or administrative fees. Adriana Alvarez and Eduspark, Inc. were removed from award for failure to submit insurance as per the bid requirements. Sweet Pipes (BRBM Publishing LLC) submitted a proposal however was not considered; vendor did not accept award due to our reporting terms and conditions.

**SPECIFICATIONS, PREPARATION AND EVALUATION PROVIDED BY:**

Rebecca Hernandez – ESC Region 19

Andrea Amiri – ESC Region 19

Patty Delgado - ESC Region 19

**Special Conditions**

1. Vendors awarded this contract will be utilized on an as-needed basis.
2. This RFP is for services and/or products. Vendors do not need to provide both to be considered for award.
3. This RFP is not for routine office supplies.
4. Pricelist/catalog must be submitted with response. Failure to provide pricing information may result in disqualification.
5. ASC members may require vendors to complete criminal background checks at their discretion. The cost for background checks is the responsibility of the vendor and should not be charged to the member.
6. ASC members may require vendors to sign a separate contract.

**Approved By:** \_\_\_\_\_  
**Dr. Armando Aguirre**

**Date:** \_\_\_\_\_  
**November 28, 2023**

**VENDOR CONTRACT**  
**(Goods and Services)**

THIS VENDOR CONTRACT FOR GOODS AND SERVICES ("this Contract") is between SAVVAS LEARNING COMPANY LLC (the "Vendor") and the EL PASO INDEPENDENT SCHOOL DISTRICT ("District"). The parties acknowledge that the District extended the award of EPISD RFP#23-075 on or about March 8, 2024 for an additional 12 months. The parties further acknowledge that the revised pricing submitted by Vendor in response to the Ms. Haydee Pena's letter dated March 6, 2024 is replaced in its entirety with this Contract. The Effective Date of this Contract is July 01, 2024 regardless of when executed. For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

1. **Term.**

1.1 **Term.** The term of this Contract shall be for a period from July 01, 2024 through June 30, 2025, [with 0 year(s) annual renewal(s)] unless earlier terminated in accordance with this Contract. Annual renewals, if any, shall be upon mutual written agreement of the parties.

1.2 **Non-Appropriation.** In the event the Contract is awarded for a term greater than one year or extending beyond the District's current budget period, it will be subject to approval at the commencement of each of the District's budget years. Vendor agrees that the District has the continuing right to terminate this Contract without notice at the end of a District budget period in which funds for this Contract are not appropriated. In such event the Contract may be terminated as soon as practicable after the event of non-appropriation or upon 30-days' prior written notice whichever provides the longest notice.

2. **Cancellation/Termination.**

2.1 **Termination.** This Contract may be terminated as follows: (a) by either party in the event of material breach of this Contract by the other party which continues more than thirty (30) days after written notice of default from the non-breaching party to the breaching party; or (b) by the District at its option: (i) if Vendor fails, as determined by the District's representative, to satisfactorily perform the duties set out in this Contract, comply with any covenant herein required or breach any warranty provided herein; becomes insolvent, files or has filed against it a petition in bankruptcy, proposes or accomplishes any dissolution, liquidation, composition, financial reorganization or recapitalization with creditors; (ii) if a receiver, trustee, custodian, or similar agent is appointed or takes possession of any property or business of Vendor; (iii) if, at the expiration of each District budget period occurring during the term of this Contract, funds for this Contract are not appropriated as provided in Section 1.2 above; or (iv) with or without cause upon thirty days prior written notice from the District to Vendor. In the event of early termination of the Contract for any reason, the total compensation which may be claimed by Vendor under this Contract shall be limited [subject to other limitations in this Contract or applicable law] to the payment for the conforming Goods and/or Services timely provided by the date of termination.

2.2 **Effect.** Within forty-five (45) calendar days of the effective date of completion, or termination or expiration of this Contract, Vendor shall submit to District its claims, in detail, for the monies owed by District for Services satisfactorily performed or Goods delivered and accepted under this Contract through the effective date of termination. **Failure by Vendor to submit its claims within forty-five (45) calendar days shall negate any liability on the part of District and constitute a waiver by Vendor of any and all right or claims to collect monies that Vendor may rightfully be otherwise entitled to for Services satisfactorily performed or Goods delivered under this Contract.** Regardless of how this Contract is terminated, Vendor shall effect an orderly transfer to District or to such person(s) or firm(s) as the District may designate, at no additional cost to District. Upon the effective date of expiration or termination of this Contract, Vendor shall cease all operations of Services being performed or delivery of Goods by Vendor, or any of its subcontractors, pursuant to this Contract. All completed or partially completed documents, papers, records, charts, reports, and any other materials or information first produced specifically for the District, or provided to Vendor, in connection with the Services rendered by Vendor under this Contract, regardless of storage medium, shall be transferred to District. Such record transfer shall be completed within thirty (30) calendar days of the termination date and shall be completed at Vendor's sole cost and expense. Payment of compensation due or to become due to Vendor is conditioned upon delivery of all

such documents.

3. **Right to Assurance.** Whenever the District in good faith has reason to question the Vendor's intent to perform, the District may demand that the Vendor give written assurance of its intent to perform. In the event that a demand is made and no assurance is given within five business (5) days, the District may treat this failure as an anticipatory repudiation of the Contract.

4. **Remedies.** In the event of default of this Contract by Vendor, the District shall have all of, and may exercise one or more of, the following rights and remedies: (a) the right to recover actual, proven damages; (b) the right to seek injunctive relief; (c) the right to seek declaratory relief; (d) the right to off-set and/or retain from payments otherwise due to Vendor actual, proven damages, fees, and costs sustained or incurred by the District in connection with such breach; (e) the right to terminate this Contract as provided herein; and (f) any of its rights and remedies in law or equity. In no event shall District's action of terminating this Contract, whether for cause or otherwise, be deemed an election of District's remedies, nor shall such termination limit, in any way, at law or at equity, District's right to seek damages from or otherwise pursue Vendor for any default hereunder or other action.

5. **Force Majeure.** If by reason of Force Majeure (i.e. acts of God, strikes, lockouts, or other industrial disturbances, etc.), either party hereto shall be rendered unable, wholly or in part, to carry out its obligations under this Contract, then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

6. **Goods and Services to Be Delivered.**

6.1 **Delivery, Packaging and Acceptance of Goods.**

A. Vendor agrees to provide the Goods listed and described in Exhibit "A," which is attached hereto and incorporated herein by reference for all purposes [or any subsequent Goods required to be delivered to the District under this Contract] (collectively, the "Goods"). Unless otherwise stated in Exhibit "A", the Goods shall be delivered in accordance with the following Standard Delivery Terms:

(i) F.O.B. District's James Gamble Facility, 4900 Woodrow Bean Drive, El Paso, Texas 79924.

(ii) Goods will be packed in accordance with good commercial practice and in a manner which will facilitate securing the lowest transportation costs, conform to requirements of common carriers and any applicable specifications. Each shipping container shall be clearly and permanently packed and identified with: (a) Vendor's name and address; (b) if applicable, consignee's name, address and purchase order and bid number; (c) container number and total number of containers, e.g. box 1 of 4 boxes; and (d) the number of the container bearing the packing slip. Vendor shall bear cost of packaging unless otherwise provided. The District's count or weight determination shall be final and conclusive on shipments not accompanied by packing slips/lists. The Goods will be delivered with an Operator's Manual and a Maintenance and Parts Manual, if one exists.

(iii) The District assumes no liability for Goods delivered in damaged or in unacceptable condition. The Vendor shall handle all claims with insurance carriers, and in the event that Goods are damaged in transit shall ship replacement Goods immediately upon notification by the District of damage. Delivery will be made between the hours of 8:00 a.m. and 3:30 p.m. (MDT/MST) unless otherwise specified by the District in writing. Vendor is not authorized to ship the Goods under reservation and no tender of a Bill of Lading will operate as a tender of Goods. The District shall have the right to inspect the Goods at delivery before accepting them and no Goods will be accepted until written acceptance is provided by authorized District Representative. Any written warranties will commence upon acceptance of the Goods by the District.

(iv) **Repair and Replacement Information.** As the situation requires, the Vendor shall

provide alternative quotes for both repair and replacement of any damaged Goods, if appropriate to the request. In the event the cost of repair is equal to or greater than seventy-five percent (75%) of the price of a new item, Vendor shall provide a written recommendation to the District representative regarding the relative merits of repair or replacement of the item. Failure to adhere to these requirements may be grounds for the termination of the Contract.

## 6.2 Delivery of Services and Standard of Care.

A. Delivery. Vendor agrees to provide the Services listed and described in Exhibit “B,” which is attached hereto and incorporated herein by reference for all purposes (collectively, the “Services”). Nothing contained in this Contract shall require District to pay for any unsatisfactory Services, as determined by District’s representative, or for work that does not comply with the terms of this Contract.

B. Standard of Care. If the Services are performed by a non-professional Vendor, Vendor represents, covenants, and warrants that it will devote its good faith, best efforts in provision of the Services and will provide the Services with reasonable care and skill and in a good and workmanlike manner. If the Services are considered Professional Services, the Vendor further represents, covenants and warrants that it will provide the Services using the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same locale. Services will be provided in a manner consistent with industry standards and will conform to the required specifications set out herein, and shall be delivered in compliance with all applicable laws, rules, regulations, procedures and consistent with industry standards.

## 6.3 Warranties for Goods and Services.

A. Express Warranties. Vendor expressly represents, warrants and covenants, that:

(i) Vendor will devote its good faith, best efforts in provision of the Goods and/or Services.

(ii) Vendor has and will retain sufficient financial condition, working capital, experience, expertise, personnel, licenses, certifications, and authority to provide the Goods and/or Services, that it will provide copies of its licenses and certifications to the District upon request, and will comply with the vendor ethics policies of the District.

(iii) The Goods furnished conform with the specifications, drawings, descriptions and that the Services promised will adequately address the Scope of Services set forth in the Contract and its exhibits, the District’s Request for Proposal, Request for Competitive Sealed Proposal or other solicitation for the Goods and/or Services contracted for herein (the “Solicitation Document”), and to any sample(s) furnished by Vendor, if any, in connection with the Contract or in response to the District’s Request for Proposal.

(iv) The Goods and/or Services shall be delivered in compliance with all applicable laws, rules, and regulations, with District policies and procedures, and consistent with industry standards.

(v) In the event of a conflict between the specifications, drawings and descriptions of Goods to be provided, the specifications shall govern. In the event of a conflict between the Solicitation Document and the Contract, the Contract shall prevail.

(vi) All Goods are new and the quality of the Goods is consistent with or better than industry standard.

B. Implied Warranties.

(i) The Goods comply with all implied warranties, including but not limited to, the implied warranty of merchantability and fitness for the particular purpose for which they were obtained. The Vendor agrees to provide the Services agreed to herein in a good and workmanlike manner.

(ii) No implied warranties for Goods and/or Services or provided in connection with this

Contract are waived modified or excluded by any provision of this Contract, or any terms and conditions included in any document prepared by the Vendor, and any provision so intended, or interpreted shall be treated as void *ab initio*.

- C. **Safety Warranty and Provision of Material Safety Data Sheets.** As applicable, the Goods supplied to the District under this Contract shall conform to applicable standards promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act (“OSHA”) of 1970. In the event the Goods do not conform to OSHA standards, the District will be permitted to refuse or return the non-conforming Goods for correction or replacement at the Vendor’s expense. Where Goods to be delivered under this Contract require the maintenance of Material Safety Data Sheets (“MSDS”), a copy of the relevant MSDS will be made available to the District’s representative prior to delivery of the relevant Goods.

6.4 **No Warranties by District.** No review, consent, or approval by the District of any documents prepared by Vendor shall constitute a representation or warranty by the District of the legality, suitability, or quality of the same or content thereof.

6.5 **Reservation of Rights.** The District reserves the right to use its own staff or any other third-party to provide the same or similar goods and/or services to the Goods and/or Services described herein.

7. **Tax Exemption.** The District is exempt from Federal Excise, State or City Sales Tax under State Law and such obligations are included in the price under this Contract. The District will furnish a tax exemption certificate, if required.

8. **Invoicing and Payment.** Compensation to Vendor is set forth on Exhibit “C,” attached hereto and incorporated herein. Except as otherwise provided in Exhibit “C,” Vendor shall invoice the District on or before the thirtieth (30<sup>th</sup>) day of each month, for the portions of the Goods delivered and accepted and/or Services performed during the preceding month at rates set forth on Exhibit “C.” Reimbursable Expenses are included in the hourly rate or not to exceed pricing for Services unless specifically excluded. If excluded, Reimbursable Expenses will be itemized separately and documented by receipts for invoicing purposes. Invoices for Goods and/or Services shall not include Federal Excise, State or City Sales Tax for which an Independent School District is exempt under State law. The District shall furnish a tax exemption certificate, if required. The aggregate compensation from the District to Vendor for the Goods and/or Services shall not exceed the maximum figures stated in Exhibit “C.” Vendor shall not be entitled to receive payments or amounts under the Contract in excess of the amounts appropriated for the then-current budget period of the District. The District shall make payment to the Vendor for amounts determined to be properly due, not later than thirty (30) days after its receipt of the Vendor’s invoice or as required by the Texas Prompt Payment Act (Chapter 2251 of the Texas Government Code) or its successor. The maximum interest rate on any past due payments by the District to Vendor shall be limited to the rate provided by Section 2251.025 of the Texas Government Code or its successor. The District shall not be required to make any payments to Vendor at any time Vendor is in default under this Contract.

9. **Confidential/Proprietary Information.**

9.1 **Confidential Information/Materials.** Vendor understands that, during the term of this Contract, Vendor will have access to certain information belonging to the District and designated as confidential by the District or not generally known by non-District personnel (collectively, the “Confidential Information”). During the term of this Contract and at all times thereafter, Vendor shall not, without the prior written consent of the District, do any of the following, directly or indirectly: (a) use any of the Confidential Information for Vendor’s own purposes or for the purposes of any person or entity other than the District; and/or (b) disclose any of the Confidential Information to any third party, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Vendor further shall take all steps necessary to prevent disclosure of Confidential Information by any other person or entity, during the term of this Contract and at all times thereafter, without the prior written consent of the District. All data, disks, lists, financial records, other records, documents, property, information, specifications, and materials of the District relating to the Goods and/or Services provided to Vendor during the term of this Contract, as well as all copies thereof (collectively the “Materials”), shall be and remain the sole and exclusive property

of the District. None of the Materials shall be retained by Vendor, or shall be transmitted to anyone at any time, either now or in the future, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Upon termination of this Contract, or upon request by the District, Vendor shall promptly return the Materials to the District. The Materials are included within the definition of Confidential Information. Vendor further agrees that, if it receives information or records concerning any student, it shall not disclose the same, except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA.

9.2 **Intellectual Property Rights.** If Vendor, as part of the delivery of the Goods and/or Services, will be working with the District, [all references to Vendor and District in this paragraph shall include their respective agents, employees and representatives], to create and/or develop materials or other work products, including visual, audio, written and graphic material (the “Resulting Work Product”) for which the Vendor will receive any consideration provided for in this Contract, the Resulting Work Product (including all of Vendor’s contributions to the creation or development of the Resulting Work Product), and any state or federal trademark rights, copyrights, patents or other intellectual property rights associated with the Resulting Work Product (collectively, the “Intellectual Property Rights”) will at all times remain the exclusive property of the District. Vendor agrees to assist the District in any way necessary, including executing any assignments or other documents, required to document the District’s ownership rights in the Resulting Work Product and the associated Intellectual Property Rights, as applicable; including taking any action necessary for the District to secure state or federal registration of its Intellectual Property Rights in the name of the District. No separate or additional consideration, other than the consideration paid under this Contract, will be provided by the District for any provision of any assignments or conveyance of the Resulting Work Product, or of Intellectual Property Rights associated with the Resulting Work Product. The Vendor shall assure that its authorized subcontractors or agents, not under its control as employees, are aware of this provision and are contractually bound thereby.

10. **Vendor Records and Retention.** The District or its authorized representative shall be afforded unrestricted access to and be permitted to inspect and copy all of the Vendor’s records, which shall include but not be limited to accounting records (hard copy as well as computer readable data), correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to this Contract. The Vendor shall preserve all such records for a period of five (5) years, after the District makes final payment and all other pending matters are closed, or for such longer period as may be required by law, after final payment under this Contract, including any extension thereof. To the extent that the requirements of 2 CFR § 200.333 apply to the Contract, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award, must be retained for the Vendor for only the period required by 2 CFR § 200.333 and the five (5) year requirement of this provision shall apply to all other documents. If no federal funds are expended by the District for the Contract, the five (5) year retention requirement provided herein will apply.

For a Contract involving at least \$1 million in Goods/Services, the following provision shall apply: Vendor shall preserve for the duration of this Contract all “contracting information” within the meaning of Texas Government Code Section 552.003(7) et. Seq. relating to this Contract (the “Contracting Information”) as provided by the records retention requirements applicable to the District. Vendor shall provide to the District, upon its request, any Contracting Information that is in the custody or possession of Vendor. Upon completion of this Contract, Vendor shall either provide at no cost to the District all Contracting Information in the custody or possession of Vendor or instead preserve all Contracting Information as provided by the records retention requirements applicable to the District. Pursuant to Texas Government Code Section 552.372(b), the following notice is given to Vendor: The requirements of Subchapter J, Chapter 552, Government Code, may apply to this Contract, and Vendor agrees that the Contract can be terminated if Vendor knowingly or intentionally fails to comply with a requirement of that Subchapter.

11. **Indemnification.**

11.1 **General Indemnification.** Vendor agrees to INDEMNIFY, DEFEND, AND HOLD HARMLESS the District and its trustees, officers, agents, representatives and employees (collectively, the “Indemnified Parties”) from and against, any and all claims, causes of action, liability, lawsuits, judgments, costs, liens, losses, expenses, fees (including reasonable attorney’s fees and costs of defense), proceedings, actions, demands, and suits of any kind and nature, including but

not limited to, personal injury (including death), property damage, or other harm for which recovery of damages is sought that may arise out of or be caused by the negligent or intentional act, error, or omission of Vendor, or that of its agent, officer, representative, employee, or sub-consultant (collectively "Vendor Affiliate") while in the exercise or performance of the rights or obligations under this Contract. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of the Indemnified Parties, in instances where such negligence causes personal injury, death, or property damage. In the event Vendor and/or a Vendor Affiliate and any Indemnified Party are found jointly liable by a Court of competent jurisdiction, liability shall be apportioned comparatively in accordance with the laws of the State of Texas, without, however, waiving any governmental immunity available to the District, its employees/officials under Texas law and without waiving any defenses of District its employees/officials under the Texas Tort Claims Act or other Texas law. Vendor shall promptly advise District, in writing, of any claim or demand against an Indemnified Party, Vendor and/or a Vendor Affiliate known to Vendor, related to or arising out of activities of Vendor and/or a Vendor Affiliate under this Contract. The provisions of this Section are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

11.2 **Intellectual Property Rights Indemnification.** Vendor shall INDEMNIFY, DEFEND, AND HOLD HARMLESS the District, its elected officials, employees, officers, and representatives harmless from and against any and all liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) for infringement of any patent, copyright or similar property right including, but not limited to, misappropriation of trade secrets and any infringement by Vendor and its employees and consultants, in connection with any license provided, any deliverable or any Service furnished hereunder, and used by either the District or Vendor within the scope of this Contract (unless said infringement results directly from Vendor's compliance with District's written standards or specifications).

11.3 **Defense Counsel.** In connection with any indemnification obligation in this Section 11 District reserves the right to provide a portion, or all of its own defense, at its own expense; however, District is under no obligation to do so. Any such action by District is not to be construed a waiver of Vendor's obligation to defend District or a waiver of Vendor's obligation to indemnify District pursuant to this Section. Vendor shall retain defense counsel as soon as reasonably practicable after District's written notice that District is invoking its right to indemnification under this Contract. If Vendor fails to retain counsel, District shall have the right to retain defense counsel on its own behalf, and Vendor shall be responsible for all costs incurred by District until such time as the Vendor provides a defense.

11.4 **Indemnity Survival.** The provisions of this Section 11 are solely for the benefit of the parties hereto, and not intended to create or grant any rights, contractual or otherwise, to any other person or entity and the obligations herein shall survive the termination or expiration of this Contract.

## 12. **Work On School District Campuses.**

12.1 **Notice Before Entry During School Hours and Decorum on District Campuses.** Vendor acknowledges that work may be performed in connection with an educational facility that is currently occupied and in use. It is imperative that Vendor's deliveries and/or performance of Services not interfere with, interrupt, disturb, or disrupt District's normal operations or facilities. During school hours, when entry is not made on an emergency basis, Vendor shall notify the District in advance and arrange an escort for Vendor's representative.

12.2 **Compliance with Campus Rules.** Vendor agrees to and shall comply with all rules, regulations and requirements of the District and the school campus on which work is to be performed, and shall take all steps necessary to protect and guard the safety of the employees, students and invitees of District. Vendor recognizes the ongoing school activities in proximity with its onsite activities shall result in the need for prompt and effective coordination of its Services with those involved in the ongoing use of the premises. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Vendor shall be responsible for the actions of its employees and its subcontractors. The

Vendor recognizes the site is a public-school campus, and will prohibit the possession or use of alcohol, controlled substances, tobacco, and any prohibited weapons on the site and shall require adequate dress of the Vendor's forces consistent with the nature of the work being performed.

13. **Criminal Background Checks.** Vendor shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, District Board Policy CH (Legal) and (Local), and other policies and administrative requirements relating to or arising from such statute and rule(s); shall ensure that no covered employee of Vendor or of any subcontractor [if authorized] with a disqualifying criminal history performs Services under the award at or for the District; and shall timely provide written certifications thereunder in such form and substance as requested by the District. Vendor understands that any failure to comply with the requirements of this Section may be grounds for termination of its Contract with the District.

14. **Relationship.** **This Contract does not constitute a joint venture or partnership of any kind between the parties hereto. In addition, the parties expressly understand and agree the provision of Goods and/or Services is and shall be considered independent contractor work performed by Vendor, using Vendor's own talents, contacts, tools, vehicles, and equipment, and that nothing in this Contract in any way creates an express or implied contract of employment between the District and Vendor. Vendor is not and shall not be an employee of the District for any purpose. Vendor is exclusively responsible for all administrative matters relating to its status hereunder or the Goods and/or Services, including without limitation, travel, lodging, and other expenses, any withholding and payment of all federal, state and local income taxes, FICA, FUTA, or other employment-related taxes, workers' compensation insurance, fringe benefit programs, or other benefits of any kind. Vendor represents that it is an independent contractor providing goods and/or services for hire similar to the Goods and/or Services to the general public, that it has full authority and capacity to enter into this Contract and provide the Goods and/or Services, and that execution or performance of this Contract by Vendor shall not violate any other agreement or covenant or any law.**

15. **Federal Edgar Provisions.** Vendor acknowledges in the event federal funds are used to fund the Goods and/or Services delivered under the Contract, Vendor will abide by all applicable federal laws, rules, and regulations, executive orders, and policies, procedures and directives applicable to the Contract, including but not limited to the following:

15.1 **Contractual Remedies.** Vendor agrees that it will comply with all administrative, contractual, legal remedies, sanctions, and penalties for violation or breach that are included in this Contract.

15.2 **Wage and Hour Requirements.** To the extent this Contract involves the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), which requires Vendor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. This provision will not apply to the District's purchases from Vendor of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

15.3 **Clean Air Act and EPA.** Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 -7671q) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387) and agrees to promptly notify the District of any violation.

15.4 **Debarment and Suspension.** Vendor has certified that neither the Vendor nor its principals were listed on the government-wide exclusions in the System for Award Management ("SAM") that neither the Vendor nor its principals are debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549 at the time this Contract was executed. Vendor further agrees on behalf of itself and its principals, to immediately provide written notification to the District if, at any time following execution of this Contract, Vendor or one of its principals learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances, or if Vendor or one of its principals is later listed on the government-wide exclusions in

SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Failure to notify the District of erroneous information within five (5) business days of change in circumstances shall be grounds for immediate termination, but termination of Vendor shall not be an election of remedy by the District.

15.5 Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352. Vendor confirms its certification to the District that:

A. No Federal appropriated funds have been paid or will be paid, by or on behalf of Vendor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

B. Vendor further certifies that if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Vendor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Vendor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., providing administrative remedies for false statements, apply to this certification and disclosure, and that this certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Finally, Vendor agrees that it will require the language of this certification be included in the award documents for all lower-tier contractors it hires, and that it will ensure all subcontractors make the same certification in connection with work done under the Contract. The certification in this Section is a material representation of fact upon which the District has placed its reliance.

15.6 Compliance with Mandatory Provisions of State Energy Conservation Plan. Vendor shall comply with the all mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201), if any.

15.7 Compliance with Solid Waste Disposal Act. If the District purchased the same item or items from the Vendor under this Contract, which were purchased by the District during the preceding fiscal year, and the prior purchase exceeded \$10,000, Vendor agrees that it will comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, where applicable, and that it will provide information and certifications required by the District confirming estimates and otherwise evidencing such compliance.

15.8 Equal Employment Opportunity Clause. Vendor represents, warrants and certifies that, during the performance of the Contract:

A. it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination;

B. it will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin;

C. it will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with Vendor's legal duty to furnish information;

D. it will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

E. it will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor;

F. it will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders;

G. in the event of Vendor's non-compliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations, or orders, the Contract may be canceled, terminated or suspended in whole or in part and the Vendor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law; and

H. it will include the provisions of paragraphs (A) through (G) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. Vendor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event Vendor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Vendor may request the United States to enter into such litigation to protect its interests.

15.9 Termination for Convenience. Notwithstanding any provision to the contrary contained in this Contract, if federal funds are used to fund the purchase represented by this Contract, the District reserves the right to terminate this Contract for convenience. In such event, the District agrees it will be responsible for all legitimate charges with respect to periods prior to the termination.

## 16. Miscellaneous.

16.1 Assignment/Delegation. Without the prior written consent of the other party, no party shall have right or power to assign this Contract in whole or in part, or to delegate or sub-contract any duties hereunder in whole or part. Any attempted assignment or delegation by Vendor shall be wholly void and ineffective for all purposes unless made in conformity with this paragraph.

16.2 Governing Law and Venue. **THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND IS PERFORMABLE IN EL PASO COUNTY, TEXAS.**

16.3 No Waiver of Immunity. The District reserves, and does not waive, its rights of sovereign/governmental immunity and similar rights, immunities and rights of its officials and employees, under the Texas Tort Claims Act. Nothing herein shall be a consent to suit.

16.4 No Third-Party Beneficiaries. This Contract, and every provision thereof, shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns. No term or provision of this Contract shall benefit or obligate any person or entity not a party to it. The parties hereto shall cooperate fully in opposing any attempt by any third person or entity to claim any benefit, protection, release or other consideration under this Contract.

16.5 Context. Wherever the context shall require, the singular shall include the plural, and the male gender shall include the female gender and the neuter, and vice versa.

16.6 Attorney's Fees. In the event that either party brings an action to enforce or interpret any provision of this Contract, the prevailing party will be entitled to recover its costs and expenses including, without limitation, reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which it shall be entitled to receive, as determined by the trier of fact in such dispute.

16.7 Waiver. No waiver, change, modification or discharge by either party hereto of any provision of this Contract shall be deemed to have been made or shall be effective, unless expressed in writing and signed by the party to be charged. A waiver by either party of a breach of any of the terms, conditions, covenants or guarantees of this Contract shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either party to insist in any one or more cases upon the strict performance of any of the covenants of this Contract, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. No act or omission by a party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

16.8 Severability. Any provision, or part thereof, of this Contract held by a court of competent jurisdiction to be invalid or unenforceable shall not impair or invalidate the remainder of this Contract and the effect thereof shall be confined to the provision, or part thereof, so held to be invalid or unenforceable.

16.9 Time of Essence. Time is of the essence with respect to Vendor's obligations hereunder. Notwithstanding the foregoing, the District or Vendor agree that should either party require any adjustments to the schedule set forth in Exhibit B, the District or Vendor will contact the other party as soon as reasonably practicable, and the parties shall mutually agree to a revised schedule.

16.10 Public Records. Records relating to this Contract may be subject to disclosure pursuant to the Texas Public Information Act f/k/a Open Records Act, Section 552.001 et. Seq. of the Texas Government Code. To the extent any of the Goods and/or Services under this Contract involve the exchange or creation of Public Information as defined by such Act, the Vendor shall make any such information, not otherwise exempted from disclosure under such Act, available in writing and electronically in Microsoft Word, Microsoft Excel and or Adobe Acrobat.

16.11 Notices. All notices to a party under this Contract shall be provided by certified mail, return receipt requested, to the address set forth for the respective party beneath its signature block in this Contract, or such other address as later provided by a party through written notice to the other party.

16.12 Advertising. Vendor shall not advertise or publish, without the District's prior consent, the fact that the parties have entered into this Contract, except to the extent necessary to comply with proper requests for information from a representative of the federal, state, or local government.

16.13 Right to Audit and Records Access. The District, or its authorized representative (including Texas Education Agency and the Comptroller General), shall be given reasonable access to records and

rights to perform audits by the District's own personnel and/or an outside firm of consultants/auditors, in order to investigate the District's claims, the Services, and/or evaluate the performance of the Vendor. The Vendor agrees to provide full cooperation during this process. Performance of these functions shall be conducted with proper notification per customary industry standards. Vendor agrees to maintain all required records for five (5) years after the District makes final payment and all other pending matters are closed.

16.14 Israel Certification. Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

16.15 Firearms Certification. The Vendor represents, warrants, and covenants to the District that the Vendor: (a) does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (b) will not discriminate against a firearm entity or firearm trade association during the term of this Contract. For purposes of this provision, the terms "firearm entity", "firearm trade association" and "discriminate against a firearm entity or a firearm trade association" shall have the same meaning as set forth in Government Code Section 2274.001 et. Seq.

16.16 Energy Company Certification. Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001, (a) does not boycott energy companies; and (b) will not boycott energy companies during the term of this Contract.

16.17 Entire Contract/Modification. **THIS CONTRACT IS THE FINAL, COMPLETE, AND ENTIRE CONTRACT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER AND SUPERSEDES ALL PRIOR COMMUNICATIONS, ORAL OR WRITTEN, BETWEEN THE PARTIES RELATING TO MATTERS HEREIN. THIS CONTRACT MAY BE MODIFIED OR RESCINDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY BOTH PARTIES TO THE CONTRACT BY AND THROUGH THEIR DULY AUTHORIZED AGENTS. Changes to this Contract may only be made by mutual written agreement of the parties, which must contain the authorized signature of the District's Superintendent or the President of the District's Board of Trustees.** No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this Contract shall not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. In the event of any conflict between this Contract and the General Terms and Conditions of the contract attached to the Solicitation Document, the terms of this Contract shall control.

[Signatures on next page]

EXECUTED as of the \_\_\_\_ day of \_\_\_\_\_, 2024.

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Diana Sayavedra, Superintendent

APPROVED AS TO FORM  
*[Handwritten Signature]*

By: \_\_\_\_\_  
Jeanne C. Collins, General Counsel  
~~Signed Thursday, May 16, 2024~~

ADDRESS FOR NOTICE:

El Paso Independent School District  
Attn: Superintendent  
1014 N. Stanton Street  
El Paso, Texas 79902

With Copy to:  
General Counsel  
El Paso Independent School District  
1014 N. Stanton Street  
El Paso, Texas 79902

VENDOR: SAVVAS LEARNING COMPANY  
LLC

By: *Matt Stricker*  
Matt Stricker (May 16, 2024 11:01 CDT)

VP Operations

(Printed Name and Title)

ADDRESS FOR NOTICE:

15 East Midland, Suite 502  
Paramus, New Jersey 07652

**EXHIBIT “A”  
Goods to Be Delivered and Pricing**

**If Delivery By Unit Pricing:**

Item Description		Units Required	Price Per Unit	Total Price
<b>The SIOP® Model: Professional Development Services, Learning Services, and Redelivery Licenses</b>				
SIOP® Training for Teachers (T4T) K-12 (Onsite) - Up to 30 participants each unit (3-Days) (6 hours per day)	00000001 12992	1	\$18,000.00	\$18,000.00
SIOP® T4T for Elementary Teachers (Onsite) - Up to 30 participants each unit (3-Days) (6 hours per day)	00000001 12995	1	\$18,000.00	\$18,000.00
SIOP® T4T for Secondary Teachers (Onsite) - Up to 30 participants each unit (3-Days) (6 hours per day)	00000001 12994	1	\$18,000.00	\$18,000.00
SIOP® Training for Administrators (Onsite) - Up to 30 participants each unit (1-Day) (6 hours)	00000001 12990	1	\$6,000.00	\$6,000.00
SIOP® Component Enrichment (Onsite): Lesson Preparation - Up to 30 participants each unit (1-Day) (6 hours)	00000001 13005	1	\$6,000.00	\$6,000.00
SIOP® Component Enrichment (Onsite): Building Background- Up to 30 participants each unit (1-Day) (6 hours)	00000001 13001	1	\$6,000.00	\$6,000.00
SIOP® Component Enrichment (Onsite): Comprehensible Input - Up to 30 participants each unit (1-Day) (6 hours)	00000001 13002	1	\$6,000.00	\$6,000.00
SIOP® Component Enrichment (Onsite): Strategies - Up to 30 participants each unit (1-Day) (6 hours)	00000001 13008	1	\$6,000.00	\$6,000.00
SIOP® Component Enrichment (Onsite): Interaction - Up to 30 participants each unit (1-Day) (6 hours)	00000001 13003	1	\$6,000.00	\$6,000.00
SIOP® Developing Academic Language (Onsite) - Up to 30 participants each unit (1-Day) (6 hours)	00000001 19488	1	\$6,000.00	\$6,000.00
SIOP® Coaching and Implementation (Onsite) – Up to 30 participants each unit (2-Days) (6 hours per day)	00000001 12996	1	\$12,000.00	\$12,000.00
SIOP® Capacity Builder Plus (Train-the-trainer, Onsite) - Up to 30 participants each unit (5-Days) (6 hours per day)	00000001 21380	1	\$30,000.00	\$30,000.00
Customer Redelivery Licenses for SIOP T4T (Up to 100 licenses)	00000001 21390	30	\$234.82	\$7,044.60
			<b>Subtotal</b>	<b>\$145,044.60</b>
<b>The SIOP® Model: Print Materials</b>				

Making Content Comprehensible for English Learners: The SIOP® Model, 5th Edition ©2017: MAKING CONTENT COMPREHENSIBLE FOR ENGLISH LEARNERS: THE SIOP MODEL, WITH ENHANCED PEARSON ETEXT -- ACCESS CARD PACKAGE	97801344 03298	30	\$57.50	\$ 1,725.00
SIOP® Professional Books: IMPLEMENTING THE SIOP MODEL THROUGH EFFECTIVE PROFESSIONAL DEVELOPMENT AND COACHING	97802055 33336	30	\$54.00	\$ 1,620.00
Shipping and Handling	N/A	N/A	N/A	\$317.78
			<b>Subtotal</b>	<b>\$3,662.78</b>
			<b>TOTAL:</b>	<b>\$148,707.38</b>

**Other Description of Goods To Be Delivered: See Exhibit “B”.**

**EXHIBIT “B”**  
**Scope of Services and Deliverables**

**Scope of Services:**

Place(s) of Provision of Services: Onsite and at District designated locations in El Paso, Texas.

Date(s)/Period of Provision of Services: July 01, 2024 through June 30, 2025

**Description of Services:**

Vendor will provide District with The SIOP® Model which will advance academic language development alongside meaningful engagement with lesson content through any mode of lesson delivery. The SIOP® Model, developed by Jana Echevarría, Ph.D., MaryEllen Vogt, Ed.D., and Deborah J. Short, Ph.D., will provide educators a proven, time-tested framework for moving all learners toward academic excellence. Vendor will provide District educators SIOP® Professional Learning that reflects fidelity to the SIOP® Model, along with attention to best practices to engage adult learners. Vendor will provide District with, including but not limited to, the following:

**SIOP® Training for Teachers K-12 (T4T) (Onsite): 3-Day**

Vendor will provide District with a three-day training which gives educators an in-depth understanding of the components of the SIOP® Model and techniques to implement it in their schools and classrooms. Educators will gain practical skills to collaborate, share, and implement lesson plans that incorporate all eight components and thirty features of the SIOP® Model in order to teach content while developing students’ academic and social language. By the end of the session, participants will be able to:

- Explain several factors that affect second-language acquisition;
- Identify the components and features of the SIOP® Model;
- Observe and practice each of the eight components;
- Incorporate the SIOP® Model into lesson planning; and
- Build a lesson using the SIOP® Model features and components.

**SIOP® Training for Elementary Teachers (Onsite): 3-Day**

Vendor will provide District with a three-day training which gives elementary educators an in-depth understanding of the components of the SIOP® Model and techniques to implement it in their schools and classrooms. Educators will gain practical skills to collaborate, share, and implement lesson plans that incorporate all eight components and thirty features of the SIOP® Model in order to teach content while developing students’ academic and social language. By the end of the session, participants will be able to:

- Explain several factors that affect second-language acquisition;
- Identify the components and features of the SIOP® Model;
- Observe and practice each of the eight components;
- Incorporate the SIOP® Model into lesson planning; and
- Build a lesson using the SIOP® Model features and components.

**SIOP® Training for Secondary Teachers (Onsite): 3-Day**

Vendor will provide District with a three-day training which gives secondary educators an in-depth understanding of the components of the SIOP® Model and techniques to implement it in their schools and classrooms. Educators will gain practical skills to collaborate, share, and implement lesson plans that incorporate all eight components and thirty features of the SIOP® Model in order to teach content while developing students’ academic and social language. By the end of the session, participants will be able to:

- Explain several factors that affect second-language acquisition;
- Identify the components and features of the SIOP® Model;
- Observe and practice each of the eight components;
- Incorporate the SIOP® Model into lesson planning; and
- Build a lesson using the SIOP® Model features and components.

### **SIOP® Training for Administrators (Onsite)**

Vendor will provide District with a one-day program, in which school and District administrators will learn about the SIOP® Model, consider the roles that coaches and administrators can play in supporting teachers using the SIOP® Model, and understand how it can improve instruction for all students, including English learners. By the end of the session, participants will be able to:

- Explain the general needs of English learners and how the SIOP® Model can meet those needs;
- Identify how implementing the SIOP® Model in their schools and districts can have a positive impact on teaching all students; and
- Discuss the roles that coaches and administrators can play in supporting teachers implementing the SIOP® Model.

### **SIOP® Component Enrichment (Onsite): Lesson Preparation**

Vendor will provide District with a one-day Component Enrichment workshop which will help educators deepen their understanding of the features of the Lesson Preparation Component of the SIOP® Model. The training will include a review of the component as well as lesson planning time to allow teachers to work together, jointly writing SIOP® lessons with guidance from a Savvas SIOP® Certified Consultant. In addition, group discussion and activities will emphasize ways to effectively implement the features of the Lesson Preparation Component. By the end of the workshop, participants will be able to:

- Discuss implementation challenges related to the SIOP® Model;
- Deepen their understanding of the features of the Lesson Preparation Component of the SIOP® Model;
- Discuss ways to effectively implement features and prepare to incorporate SIOP® components into their lesson planning; and
- Learn how to create effective lessons that incorporate each of the following features of the Lesson Preparation Component:
  - Create clearly defined content objectives to display and review with students;
  - Create clearly defined language objectives to display and review with students;
  - Choose content concepts appropriate for age and educational background level of students;
  - Identify supplementary materials to make the lesson clear and meaningful;
  - Adapt content to all levels of student language proficiency; and
  - Plan meaningful activities that integrate lesson concepts with language practice opportunities for reading, writing, listening, and/or speaking.

### **SIOP® Component Enrichment (Onsite): Building Background**

Vendor will provide District with a one-day workshop which will help educators deepen their understanding of the features of the Building Background Component. This training will present a review of the component's features and enables participants to investigate each in greater detail in order to better incorporate each feature into lesson plans. By the end of the session, participants will be able to:

- Deepen their understanding of the features of the Building Background Component of the SIOP® Model;
- Learn how to create effective lessons that incorporate each of the following features of the Building Background Component:
  - Explicitly link concepts to students' backgrounds and experiences;

- Explicitly link past learning and new concepts; and
- Emphasize key vocabulary.

### **SIOP® Component Enrichment (Onsite): Comprehensible Input**

Vendor will provide District with a one-day workshop which will help educators deepen their understanding of the features of the Comprehensible Input Component. This training presents a review of the component’s features and enables participants to investigate each in greater detail in order to better incorporate each feature into lesson plans. By the end of the workshop, participants will be able to:

- Deepen their understanding of the features of the Comprehensible Input Component of the SIOP® Model; and
- Learn how to create effective lessons that incorporate each of the following features of the Comprehensible Input Component:
  - Use speech appropriate for students’ proficiency levels;
  - Explain academic tasks clearly; and
  - Use a variety of techniques to make content concepts clear.

### **SIOP® Component Enrichment (Onsite): Strategies**

Vendor will provide District with a one-day Component Enrichment workshop which will help educators deepen their understanding of the features of the Strategies Component of the SIOP® Model. The training includes a review of the component as well as lesson planning time to allow teachers to work together, jointly writing SIOP® lessons with guidance from a Savvas SIOP® Certified Consultant. In addition, group discussion and activities will emphasize ways to effectively implement the features of the Strategies Component. By the end of the workshop, participants will be able to:

- Deepen their understanding of the features of the Strategies Component of the SIOP® Model;
- Discuss ways to effectively implement features and prepare to incorporate SIOP® components into their lesson planning; and
- Learn how to create effective lessons that incorporate each of the following features of the Strategies Component:
  - Provide ample opportunities for students to use learning strategies;
  - Use scaffolding techniques consistently, assisting and supporting student understanding; and
  - Use a variety of questions or tasks that promote higher-order thinking skills.

### **SIOP® Component Enrichment (Onsite): Interaction**

Vendor will provide District with a one-day Component Enrichment workshop which will help educators deepen their understanding of the features of the Interaction component of the SIOP® Model. The sessions will include a review of the research base for the component as well as lesson planning time to allow teachers to work together, jointly writing SIOP® lessons under the guidance of the SIOP® Consultant. In addition, group discussions and activities will emphasize ways to effectively implement the features of Interaction. By the end of the workshop, participants will be able to:

- Discuss implementation challenges related to the SIOP® Model;
- Review the research and features of the component; and
- Discuss ways to effectively implement features and prepare to incorporate SIOP® components into their lesson planning.

### **SIOP®: Developing Academic Language with the SIOP® Model (Onsite)**

Vendor will provide District educators with a deeper understanding of methods to boost students’ academic language skills to meet today’s rigorous college and career-readiness standards. Participants will examine all of the facets of academic language, analyze the language demands of

their state standards and lessons, engage in activities that build academic language, and create language targets to promote academic language development for all students, but which is especially beneficial for English learners. By the end of the workshop, participants will be able to:

- Identify the academic language demands of lessons across the content areas;
- Identify activities that build academic language;
- Write appropriate language objectives for SIOP® lessons;
- Design a lesson plan that supports academic language development; and
- Plan effective activities for teaching academic vocabulary.

### **SIOP® Coaching and Implementation (Onsite): 2-Days**

Vendor will provide District with a 2-day onsite workshop, in which participants will explore ways to develop the capacity to support their teachers in implementing the SIOP® Model. Coaches will learn approaches and ways to implement different coaching techniques as part of their repertoire for coaching SIOP® teachers. Coaches will also learn how to use the SIOP® protocol as an effective coaching tool. By the end of the workshop, participants will be able to:

- Identify features that may be challenging to implement;
- Consider a range of approaches to coach the SIOP® Model; and
- Learn how to use the SIOP® protocol to address specific teacher needs.

### **SIOP® Capacity Builder Plus (Train-the-Trainer, Onsite): 5-Days**

Vendor will provide District with a 5-day on-site train-the-trainer workshop, in which a SIOP® Certified Consultant will provide guidance in order to build capacity among District and/or school staff to deliver effective SIOP® Model professional learning. Participants will gain an in-depth understanding of the components of the SIOP® Model and techniques in order to teach others to implement SIOP® in their lessons. Using the bestselling, research-based book *Making Content Comprehensible for English Learners: The SIOP® Model 5th edition*, participants will gain practical skills to collaborate, share, and implement lesson plans that incorporate all eight components and thirty features of SIOP® in order to teach content while developing students' academic and social language. This capacity-building training will also prepare participants to be able to communicate the importance of sheltered instruction and the benefits of the SIOP® Model for all students, including English learners. By the end of the session, participants will be able to:

- Identify the components and features of the SIOP® Model in classroom instruction;
- Build a lesson using the SIOP® Model features and components;
- Observe and assess the implementation of each of the eight components;
- Introduce key SIOP® concepts to others; and
- Plan and deliver effective, foundational SIOP® professional learning in their schools or districts.

### **Customer Redelivery Licenses for SIOP® T4T**

Included in the License fees, Vendor will provide District with the trainings' "participant materials" which include the latest edition of the SIOP text, "Making Content Comprehensible..." digital participation workbooks, and covers the intellectual property rights to deliver the Savvas SIOP® Training for Teachers (T4T) workshop. Trainers trained by Savvas in the train-the-trainer model receive the same training materials that Savvas SIOP® Certified trainers use.

**Deliverables:**

<b>Report or Other Deliverable</b>	<b>Expected Delivery Date</b>
SIOP® Training for Teachers K-12 (T4T) (Onsite): 3-Days	At District's Discretion and Before June 30, 2025
SIOP® T4T for Elementary Teachers (Onsite): 3-Days	At District's Discretion and Before June 30, 2025
SIOP® T4T for Secondary Teachers (Onsite): 3-Days	At District's Discretion and Before June 30, 2025
SIOP® Training for Administrators (Onsite): 1-Day	At District's Discretion and Before June 30, 2025
SIOP® Component Enrichment (Onsite): Lesson Preparation: 1-Day	At District's Discretion and Before June 30, 2025
SIOP® Component Enrichment (Onsite): Building Background: 1-Day	At District's Discretion and Before June 30, 2025
SIOP® Component Enrichment (Onsite): Comprehensible Input: 1-Day	At District's Discretion and Before June 30, 2025
SIOP® Component Enrichment (Onsite): Strategies: 1-Day	At District's Discretion and Before June 30, 2025
SIOP® Component Enrichment (Onsite): Interaction: 1-Day	At District's Discretion and Before June 30, 2025
SIOP® Developing Academic Language (Onsite): 1-Day	At District's Discretion and Before June 30, 2025
SIOP® Coaching and Implementation (Onsite): 2-Days	At District's Discretion and Before June 30, 2025
SIOP® Capacity Builder Plus (Train-the-Trainer, Onsite): 5-Days	At District's Discretion and Before June 30, 2025
Customer Redelivery Licenses for SIOP® T4T (Up to 100 licenses)	At District's Discretion and Before June 30, 2025
Making Content Comprehensible for English Learners: The SIOP® Model, 5th Edition ©2017	July 1, 2024
SIOP® Professional Books	July 1, 2024

**EXHIBIT "C"**  
**Compensation**

**Compensation** [mark/complete one or more as applicable]:

N/A \$ \_\_\_\_\_ (Lump Sum/Fixed Price)

N/A Payable at completion.

N/A Quarterly Payments of \$ \_\_\_\_\_ beginning \_\_\_\_\_.

N/A Payable as follows:

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

N/A \$ \_\_\_\_\_ per \_\_\_\_\_, (with a not to exceed cap of \$ \_\_\_\_\_)

N/A \$ \_\_\_\_\_ per hour, (with not to exceed cap of \$ \_\_\_\_\_, based on rates below)  
payable monthly based upon hours and types of Goods and Services provided and documented in invoice.

X Other [please explain]: District will pay for The SIOP® Model: Professional Development and Learning Services within 30 days after receipt of invoice and after satisfactory completion of each training. Additionally, District will pay for the Customer Redelivery Licenses for SIOP® T4T within 30 days after receipt of invoice and after satisfactory delivery of the goods and/or services. The total amount in the aggregate for The SIOP® Model: Professional Development Services, Learning Services, and Redelivery Licenses are not to exceed \$145,044.60. The District will also pay \$3,662.78 (amount includes shipping and handling) for The SIOP® Model: Print Materials within 30 days after receipt of invoice and after satisfactory delivery of all print materials.

**Expenses:** [Description]: N/A \_\_\_\_\_

**Total Compensation for Goods and Services Permitted under this Contract:** Not to exceed \$148,707.38.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS CONTRACT IS CONDITIONED UPON THE COMPENSATION FOR THE INITIAL TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS CONTRACT IS VOID.**

**ADDITIONALLY, FOR THE TERM OF THIS CONTRACT, THIS CONTRACT IS CONTINGENT UPON ITS UNDERLYING PROCUREMENTS (EPISD RFP #23-075 (SERVICES) AND REGION 19 #24-7474 (MATERIALS)) BEING VALID FOR THE ENTIRE CONTRACT**

**AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

**TITLE:**

*Approval of First Amendment and First Renewal to Kick Drugs out of America Foundation, dba Kickstart Kids, and El Paso Independent School District Vendor Contract for Expenditures to Purchase Services and Supplies, Utilizing Central Texas Purchasing Alliance (CTPA) Carrolton-Farmers Branch Independent School District Contract #2022-10-031 (Budgeted DoDEA and ESSER Funds - \$329,100.00)*

**JUSTIFICATION STATEMENT:**

(To provide a program to cultivate and encourage positive behaviors in a safe environment)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Al Garcia, John Adams, and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever I: Whole Child Development - El Paso ISD schools foster learning environments for the whole child to thrive.*

**SUMMARY:**

The Interlocal Cooperative Agreement is one of seven (7) approved purchasing methods allowed by Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000."

Kickstart Kids is a martial arts and character development program that offers high quality martial arts instruction through karate and values-based curriculum. The program uses karate to promote community, achievement, healthy lifestyles, and the foundation of character, which includes: discipline, responsibility, kindness, respect, courage, dedication, honesty and loyalty. Kickstart Kids teaches students character through karate to achieve their greatest potential through daily in-school lessons that create a positive impact on students, their families, schools, and communities. Students learn to be respectful, self-disciplined, driven, confident, and hardworking, while also building resilience as individuals, loyalty for a team, and compassion for fellow students.

This program was implemented at Captain Gabriel Navarrete Middle School and Charles Q. Murphree PK-8 School during the 2023-2024 school year. For the 2024-2025 school year, the District seeks to expand the program to include Bobby Joe Hill PK-8 School and Guillen Middle School.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve First Amendment and First Renewal to Kick Drugs out of America Foundation, dba Kickstart Kids, and El Paso Independent School District Vendor Contract, for expenditures to purchase services and supplies, Utilizing Central Texas Purchasing Alliance (CTPA) Carrolton-Farmers Branch Independent School District Contract #2022-10-031, in the amount of \$329,100.00, for a period beginning August 1, 2024, through July 31, 2025, with the option to extend for two (2) additional years, one (1) year at a time, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget, and future year budgets.

<b>FUNDING SOURCE:</b>	Budgeted DoDEA and ESSER Funds	<b>ACCOUNT NO.:</b>	282.11.6299.810.24.100.810 and 289.11.6299.836.24.843.836
------------------------	--------------------------------	---------------------	---

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$329,100.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

The Kick Start Kids Program and its benefits will no longer be available to District students.

**IMPLEMENTATION TIMELINE:** Upon approval

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ Signed Contract
- ▢ Coop Vendor Award Information

**FIRST AMENDMENT AND FIRST RENEWAL TO  
KICK DRUGS OUT OF AMERICA FOUNDATION dba KICKSTART KIDS  
AND  
EL PASO INDEPENDENT SCHOOL DISTRICT  
VENDOR CONTRACT  
(GOODS AND SERVICES)**

This First Amendment and First Renewal to Kick Drugs Out of America Foundation dba Kickstart Kids and El Paso Independent School District Vendor Contract (Goods and Services) ("First Amendment and First Renewal") is entered into by and between El Paso Independent School District ("District") and Kick Drugs Out of America Foundation dba Kickstart Kids ("Vendor"), effective June 20, 2024, regardless of when executed.

**RECITALS**

- A. Effective on or about August 1, 2023, the District and Vendor entered into an agreement, having an initial term from August 1, 2023 through July 31, 2024, with two (2) one-year annual renewals to be exercised at the District's discretion (the "Contract"), utilizing the Central Texas Purchasing Alliance (CTPA) Carrollton-farmers Branch Independent School District Contract Number 2022-10-031, wherein Vendor would provide District with a martial arts and character development program at Captain L. Navarrete Middle School and Charles Q. Murphee PK-8 School.
- B. The parties now wish to amend the Contract to add two additional District schools to receive Vendor's goods and services, Bobby Joe Hill PK-8 School and Guillen Middle School. Upon the effective date of this First Amendment and First Renewal, the District schools that will receive goods and services under this First Amendment and First Renewal will include the following four (4) District campuses: Captain L. Navarrete Middle School, Charles Q. Murphee PK-8 School, Bobby Joe Hill PK-8 School, and Guillen Middle School.
- C. The parties also wish to amend Exhibit "A", Goods to Be Delivered and Pricing, to the Contract to reflect the increases in the number of campuses that will now be receiving services under the Contract and revise the language under "Other Description of Goods to Be Delivered" to reflect that all training equipment will now remain in the District's possession at the conclusion of the program; amend Exhibit "B", Scope of Services and Deliverables, to include the additional schools, update the Dates/Period of Provisions, and the dates pertaining to the relevant Deliverables under the Contract; and amend Exhibit "C", Compensation, to reflect the increase in compensation as a result of the addition of the two (2) additional District campuses to the Contract and modify and add Contract contingency language relevant to the fiscal year and the funding source (ESSER III). The total Compensation for Goods and Services Permitted under the Contract will be increased from not to exceed \$159,000.00 to not to exceed \$329,100.00.
- D. The District Board of Trustees originally approved the Contract on August 1, 2023 through June 30, 2024, with the option to extend an additional two (2) years, twelve (12) months at a time, subject to review and approval of contract documents by the District's Legal Counsel. District now wishes for the District Board of Trustees to ratify and amend the Contract as agreed upon between the parties, with the initial term being from August 1, 2023 through July 31, 2024, as the Contract was written and services provided, with the option to extend an additional two (2) years, twelve (12) months at a time, as presented.

- E. The District also wish to exercise its first option to renew and renew the Contract for an additional 12 months, with the term of the renewal being from August 1, 2024 through July 31, 2025.

NOW THEREFORE, in consideration of the terms and conditions set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties agree to ratify the Contract and renew the Contract for an additional year in accordance with the District's First Renewal option, and modify the Contract as follows:

1. Exhibit "A" to the Contract is replaced in its entirety with Exhibit "A-1" attached hereto and fully incorporated by this reference;
2. Exhibit "B" to the Contract is replaced in its entirety with Exhibit "B-1" attached hereto and fully incorporated by this reference; and
3. Exhibit "C" to the Contract is replaced in its entirety with Exhibit "C-1" attached hereto and fully incorporated by this reference.
4. The intial term of the Contract shall be from August 1, 2023 through July 31, 2024.
5. The District hereby exercises its first option to renew the Contract for an additional 12 months with the term of the renewal being from August 1, 2024 through July 31, 2025.

**Ratification and Defined Terms.** Except as modified and ratified by this First Amendment and First Renewal, the Contract shall continue in full force and effect. The Parties each hereby ratify, affirm, and agree the Contract and this First Amendment and First Renewal represent the valid, binding, and enforceable obligations of District and Vendor respectively. In the event of any conflict or inconsistency between the provisions of the Contract and the First Amendment and First Renewal, the provisions of this First Amendment and First Renewal shall control and govern. Except as otherwise defined in this First Amendment and First Renewal each of the terms used herein shall have the same meaning assigned to such terms of the Contract.

IN WITNESS WHEREOF, the Parties have caused this First Amendment and First Renewal to be executed by their duly authorized representatives on \_\_\_\_\_, 2024.

**EL PASO INDEPENDENT SCHOOL  
DISTRICT**

**KICK DRUGS OUT OF AMERICA  
FOUNDATION dba KICSTART KIDS**

\_\_\_\_\_  
Diana Sayavedra  
Superintendent

  
Joan Neuhaus  
Executive Director

Approved as to Form 

\_\_\_\_\_  
Jeanne C. Collins  
General Counsel  
Signed: Wednesday, June 12, 2024

**EXHIBIT "A-1"**  
**Goods to Be Delivered and Pricing**

**If Delivery By Unit Pricing:**

<b>Item Description</b>	<b>Unit</b>	<b>Units Required</b>	<b>Price Per Unit</b>	<b>Total Price</b>
Kickstart Kids Martial Arts and Character Development Program	Per Campus	4	\$73,275.00	\$293,100.00
Student Annual Participation Fee ("Registration fee") (Up to 175 students per campus)	Per Campus	4	\$9,000.00	\$36,000.00
First Year Student Uniforms	Per Student Registered	700 (Up to 175 per campus)	\$0.00	\$0.00
Uniform Belts	Per Student Registered	700 (Up to 175 per campus)	\$0.00	\$0.00
Kickstart Kids T-Shirt	Per Student Registered	700 (Up to 175 per campus)	\$0.00	\$0.00
Training Equipment, Materials and Banners	Per Classroom	4	\$0.00	\$0.00
Supervisor and Professional Development of Instructor	Per Instructor	4	\$0.00	\$0.00
			<b>TOTAL</b>	<b>\$329,100.00</b>

**Other Description of Goods To Be Delivered:**

**TRAINING EQUIPMENT AND MATERIALS:**

Vendor will supply all training equipment including, but not limited to, targets, pads, sparring materials, puzzle floor mats, posters, and any other materials needed for karate instruction which will remain in the District's possession at the conclusion of the program. Vendor will also supply all materials for the values curriculum and any other support materials.

**EXHIBIT “B-1”  
Scope of Services and Deliverables**

**Scope of Services:**

**Place(s) of Provision of Services:**

Services to be provided at Captain L. Navarrete Middle School, El Paso, TX 79930, Charles Q. Murphree PK-8 School, El Paso, TX 79912, Bobby Joe Hill PK-8 School, El Paso, TX 79924, and Guillen Middle School, El Paso, TX 79901

**Date(s)/Period of Provision of Services:**

August 1, 2024 to July 31, 2025

**Description of Services:**

**This Contract is for the *KICKSTART KIDS Martial Arts and Character Development Program* (“KICKSTART KIDS”) to be offered at Captain L. Navarrete Middle School, Charles Q. Murphree PK-8 School, Bobby Joe Hill PK-8 School, and Guillen Middle School for the 2024-2025 academic school year. Kickstart Kids will offer high quality martial arts instruction through a physical karate and values-based curriculum that will promote community, achievement, healthy lifestyles, and the foundation of character which includes discipline, responsibility, kindness, respect, courage, dedication, honesty and loyalty. Kickstart Kids will teach students character through karate to achieve their greatest potential through daily in-school lessons that create a positive impact on students, their families, schools, and communities. Students will learn to be respectful, self-disciplined, driven, confident, and hardworking, while also building resilience as an individual, loyalty for a team, and compassion for fellow students. Kickstart kids will positively impact the students, the hosting school, and the surrounding community as the program will cultivate and encourage positive behaviors and a safer environment.**

**PROGRAM SUMMARY**

- a) Vendor will provide a physical karate curriculum adapted to the skill level of students throughout the school day based on demand.
- b) Vendor will provide a values-based curriculum including in-class lessons and handouts.
- c) Vendor will provide qualified black belt instructors, a minimum of one (1) but up to two (2) instructors (one primary and a substitute instructor), at each campus for direct instruction daily for a scheduled seven (7) out of eight (8) instructional periods in a traditional school day schedule, and for a minimum three (3) out of four (4) instructional periods on a non-traditional school day schedule. The District and/or school administration may adjust this requirement on a day-to-day basis at their discretion.
- d) Vendor will provide, on a weekly basis during the academic year, after-school karate classes for existing participants. (The schedule for these classes will be arranged in cooperation between the Vendor’s instructors and a school administrative representatives).
- e) Vendor will provide a four-week summer karate program up to a maximum of three hours per day, Monday through Thursday (as agreed upon by the instructor(s) and campus administrators). Friday’s during the summer will be reserved for instructor development days.
- f) Vendor will provide belts for all belt ceremonies.
- g) Vendor will provide classroom safety equipment for students in all karate classes.
- h) Vendor will provide a representative to work with each school, school district and the

community to help implement the program.

- i) The Vendor, with the assistance of District, will administer criminal background checks and drug tests on all instructors provided above, including substitute karate instructors, as required. Additionally, the instructors provided above, including substitute karate instructors, will be required to complete a criminal background check as requested by the District's department of Human Resources.

### **UNIFORMS**

- a) All KICKSTART KIDS students will be expected to wear a martial arts uniform in class.
- b) Vendor will supply all first-year students with a uniform through the Vendor's instructors.
- c) The District will provide students with an appropriate location to change into their uniform before class and change back into school clothes after class.

### **ROOM EQUIPMENT**

- a) Vendor will supply all training equipment needed for karate instruction and all materials for the values curriculum. This includes the puzzle mats for the floor, posters, and other support materials.
- b) District will provide (when requested) four tri-fold exercise mats, if available and already in the Districts possession at the campus. The District will not purchase additional exercise mats. *(These are different from the karate puzzle mats that cover the entire floor.)*

### **INSTRUCTOR ABSENCE**

- a) Vendor's instructors are required to notify Vendor's management as well as school officials, in advance where possible, whenever they will be absent in accordance with the District employee attendance and absence procedures.
- b) In the event of an instructor's absence, Vendor will make every effort to provide a qualified substitute karate instructor at no cost to the District. District acknowledges Vendor is hiring extra employees at no expense to District for this purpose.
- c) If, for some reason, the Vendor is unable to provide a substitute, the Vendor, through Vendor's management, will notify the school administrator, and the District will assume the responsibility of providing a substitute. The Vendor agrees to compensate the District for the cost of the substitute at the District's established rates.

### **ANNUAL SPONSORSHIP DRIVE AND GENERAL FUNDRAISING**

- a) The Vendor will conduct an annual KICKSTART KIDS two-week Sponsorship Drive to raise money to offset the Vendor's cost of the program.
- b) The Vendor will work with the campuses to schedule the Sponsorship Drive so as to not interfere with other District or Campus initiatives or activities.
- c) Any and all fundraising activities must comply with the District policies and guidelines, which will be provided to Vendor upon the execution of this Contract.
- d) With the approval of the District and Vendor's management, Vendor's instructors will be allowed to raise funds for optional program related trips and other activities for the KICKSTART KIDS program at the schools.
- e) Monies raised are to be handled in accordance with the District and Vendor's

management policies and procedures.

### **SECURITY**

- a) Vendor's training equipment is to be secured in a lockable closet or cabinet inside, or close to, the KICKSTART KIDS room.
- b) All funds raised shall be secured in the school safe, and released to the Vendor's instructor(s) when a bank deposit can be made.

### **FIELD TRIPS**

- a) Vendor will occasionally host extra-curricular events (in addition to tournaments) in which all KICKSTART KIDS students are invited to participate.
- b) The District will provide transportation to campus and Vendor approved extra-curricular events which have been approved by school administration and in accordance with the District policies and procedures.

### **BLACK BELT CLUB**

- a) During the academic year and summer sessions, students who have "graduated" from the middle school program will be offered the opportunity to continue training in the KICKSTART KIDS Black Belt Club with their KICKSTART KIDS instructors. There will be a Black Belt Club at each KICKSTART KIDS campus.
- b) Black belt club classes will be scheduled either before or after school hours to accommodate, as best as possible, students who wish to participate.

### **PROGRAM AWARENESS**

- a) KICKSTART KIDS program and instructors information may be included on the campus website upon District approval.
- b) KICKSTART KIDS events may be listed on the campus calendar upon District approval.
- c) All events and information shall be submitted to the school webmaster for publication in accordance with the District policies and procedures.

### **RESEARCH**

- a) The Vendor contracts the services of an independent evaluator for the purposes of assessing the KICKSTART KIDS program. Periodically Vendor may circulate a survey and gather responses from students and parents limited solely to program-specific experiences. Responses are anonymous, and no personalized information is associated with a response. District will provide Vendor the District's policies and procedures to which the District wishes to have the survey conform.
- b) Questions related to program evaluation and research will be addressed by David Joe, Chief Financial Officer, at [djoe@kickstartkids.org](mailto:djoe@kickstartkids.org).
- c) District will be provided a copy of all survey evaluations results of the Vendor's programs offered on the District campuses that are the subject of this Contract.

### **DEDICATED CLASSROOM**

- a) The District will provide a dedicated karate ("martial arts") classroom at each campus. Vendor will ensure the classroom becomes a "dojo" serving as a safe haven where respect

can be demonstrated to students and the room itself.

- b) The karate classroom provided by the District, to the extent possible, should not be adjacent to or within the immediate vicinity of an academic classroom, due to the “loudness” of a martial arts classroom as classes will be conducted by Vendor through the entire academic day as well as before and/or after school.
- c) The karate classroom should be able to accommodate a minimum of twenty-five students simultaneously with a hard floor in good condition when possible.
- d) The karate classroom should be in good repair with working heat and air conditioning and in the event of a problem, the District agrees to correct it in a timely manner.

### **OPTIMAL CLASS SIZE**

- a) Vendor’s goal is to enroll an optimum number of students in each school where the KICKSTART KIDS program is offered. That optimum number is usually between 150 and 175 students, which Vendor believes provides for the level of student and instructor interaction optimal for quality instruction.
- b) The District will limit student enrollment to the KICKSTART KIDS program not to exceed 175 students at each campus.

### **STUDENT PARTICIPATION**

- a) The District will require all students participating in the KICKSTART KIDS program to return a KICKSTART KIDS registration form executed by parent(s) or legal guardian(s) providing consent to participate. The KICKSTART KIDS registration form must be completed by a parent or legal guardian for student participation in the KICKSTART KIDS program. The executed registration form will be collected by the Vendor unless dictated otherwise by the District.
- b) Student participation in KICKSTART KIDS will be voluntary.
- c) The District will complete scheduling of first year students in a timely manner. Vendor’s instructors will work with campus personnel on individual cases where specific requests are made outside of this guideline.
- d) Scheduling of KICKSTART KIDS classes will follow the same format as the campus or District. (For example, if the school follows a 90-minute block schedule, the KICKSTART KIDS classes would also be 90-minutes.)
- e) The District will schedule any returning students into appropriate classes consistent with their belt rank unless removed from the program by a Vendor’s instructor, campus administrators or their parent(s)/legal guardian(s).
- f) All students are welcome in the Kickstart Kids program. Vendor will adhere to District’s non-discrimination policies. However, should Vendor’s instructor(s) believe a student poses a danger to him/herself, other students or the instructional staff, Vendor reserves the right to ask for removal of that student from the KICKSTART KIDS classroom until such time as suitable arrangements are made with the school to allow the student to safely participate in the program.

### **ROOM MAINTENANCE**

- a) Vendor's instructors will maintain an orderly room.
- b) The District will maintain overall sanitation of the training mats and provide routine custodial duties.

#### **SUPPORT FOR TOURNAMENTS**

- a) Students may participate in up to four KICKSTART KIDS tournaments each year.
- b) All tournaments will be held in the local KICKSTART KIDS region except for the final State Championships, held once a year in rotating locations throughout Texas.
- c) The District will provide transportation to KICKSTART KIDS local competitions that have been approved by school administration in accordance with District policies and procedures.
- d) The District and local school officials will assist in securing locations.
- e) The Vendor will be allowed to select locations to operate merchandise and concession booths (where appropriate) during tournaments and special events organized by the Vendor.

#### **USE OF GYMNASIUM OR AUDITORIUM**

- a) Vendor will require the use of a campus gymnasium or auditorium for Belt Ceremonies (twice a year), demonstration team competitions and/or exhibitions (occasionally). If the campus gymnasium or auditorium is unavailable, the District will provide an alternate site pending District approval and in accordance with District policies and procedures.
- b) The Vendor will require the use of facilities, such as a gymnasium or auditorium, for tournaments to host students from other KICKSTART KIDS school districts. If the campus facilities are unavailable, the District will provide an alternate site pending District approval and in accordance with District policies and procedures.
- c) Use of these facilities will be requested through the proper school authority no less than 30 days prior to the event.
- d) Use of all necessary utilities and safety protocols, including but not limited to security, will be requested through the proper school authority no less than 30 days prior to the event.
- c) These facilities will be provided by the District at no charge to the KICKSTART KIDS program.
- d) Vendor agrees to pay custodial staff at the approved rate for all school events scheduled after normal school hours. The number of custodians, the hours and events they will work are to be mutually agreed upon in advance. This fee does not apply to standard duties required by District as part of their daily custodial duties. At the mutually agreed-upon events, custodians will be responsible for maintaining trash receptacles before, during and after the event, cleaning the facility after the event and securing premises once KICKSTART KIDS students and Vendor's staff have left the facility.

#### **AFTER-SCHOOL AND SUMMER KARATE PROGRAM**

- a) The District agrees to provide facilities, such as the assigned classroom, for after-school training during the school year at a maximum of one (1) hour and thirty (30) minutes per day subject to District approval and in accordance with the District's policies and procedures.
- b) The District agrees to provide facilities, such as the assigned classroom, for a KICKSTART KIDS summer karate program for one month after the last day of the academic school year for students subject to District approval and in accordance with the District's policies and procedures.

- c) Facilities will be provided at no additional cost to Vendor. In the event District insists Vendor pay a fee for facilities, Vendor reserves the right to not provide these sessions, which are otherwise provided free of charge to students.

**VENDOR'S CAMPUS DUTIES**

- a) Vendor's Instructors are not considered District faculty.
- b) Vendor's Instructors cannot be requested or required to (i) oversee or proctor and state-mandated testing, or (ii) perform any additional campus duties beyond those that include Kickstart Kids students, including answering phones, hall monitoring duty, delivering lunch or picking up attendance.

**Deliverables:**

<b>Report or Other Deliverable</b>	<b>Expected Delivery Date</b>
Vendor's Instructors Report to the District/ Vendor's Qualified Blackbelt Instructors for Direct Instruction	August 1, 2024
Vendor's Instructors Attendance at District provided Professional Development	August 1, 2024 – August 4, 2024
Vendor's Physical Karate Curriculum adapted to the skill level of students throughout the school day (4 campuses)	September 1, 2024
Vendor's Values-Based Curriculum and Materials (4 campuses)	September 1, 2024
Uniforms and Belts	September 1, 2024
After School Karate Classes for Existing Participants (4 campuses)	Ongoing
Four Week Summer Karate Program (4 campuses)	At the Districts discretion
Belts for all Belt Ceremonies	Ongoing
Classroom Safety Equipment (4 campuses)	September 1, 2024
Representative to Work with the Schools, District, and the Community to help implement the Program	Ongoing
Vendor Administered Criminal Background Checks and Drug Test for all Vendor's Employees as required by the District	August 1, 2024
Training equipment, including but not limited to, targets, pads, sparring materials, puzzle floor mats, posters etc. (4 campuses)	September 1, 2024

**EXHIBIT "C"**  
**Compensation**

**Compensation** [mark/complete one or more as applicable]:

\$329,100.00 (Lump Sum/Fixed Price)

N/A Payable at completion.

N/A Quarterly Payments of \$\_\_\_\_\_ beginning\_\_\_\_\_

N/A Payable as follows:

\$\_\_\_\_\_ on \_\_\_\_\_

\$\_\_\_\_\_ on \_\_\_\_\_

N/A \$ (with a not to exceed cap of \$\_)

N/A \$\_\_\_\_\_per hour, (with not to exceed cap of \$\_\_\_\_\_, based on rates below) payable monthly based upon hours and types of Goods and Services provided and documented in invoice.

**Total Compensation for Goods and Services Permitted under this Contract: Not to exceed \$329,100.00.**

Upon annual renewal, compensation may be modified due to increases in the number of campuses Vendor serves (i.e. increases in number of units) and/or rates of inflation and/or COLA adjustments.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THE FIRST ANNUAL RENEWAL TERM IS CONDITIONED UPON THE COMPENSATION FOR THE RENEWAL TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, AND ANY SUBSEQUENT RENEWAL TERM IS CONDITIONED UPON THE COMPENSATION BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE RELEVANT FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS CONTRACT IS VOID.**

**ADDITIONALLY, THE GOODS AND SERVICES FOR THE 2024-2025 SCHOOL YEAR IN THIS CONTRACT WILL BE PARTIALLY COMPENSATED UTILIZING CURRENT AND PROPERLY AVAILABLE ESSER III FUNDS. COMPENSATION AND THE EFFECTIVENESS OF THIS CONTRACT ARE ALSO CONDITIONED UPON THE COMPENSATION (ESSER III FUNDS) BEING FULLY AVAILABLE AND PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE APPLICABLE FISCAL YEAR BUDGET. VENDOR AGREES AND CERTIFIES COMPLIANCE WITH ALL APPLICABLE FEDERAL TERMS AND CONDITIONS.**

**FOR ANY INITIAL OR RENEWAL TERM, THIS CONTRACT IS ALSO CONTINGENT UPON ITS UNDERLYING PROCUREMENT (CARROLTON FARMERS BRANCH ISD RFP #2022-10-031) BEING VALID FOR THE ENTIRE CONTRACT TERM AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**



**2022-10-031**

**Kickstart Kids**

**Kick Drugs Out of America Foundation  
Supplier Response**

**Event Information**

Number: 2022-10-031

Title: Outside Contracted Services

Type: Request for Proposal

Issue Date: 10/14/2022

Deadline: 7/27/2027 02:00 PM (CT)

Notes: **AWARD SCHEDULE:**

Awards will be made to multiple vendors on an incremental basis during the solicitation offering period. Vendors are encouraged to submit responses as soon as possible. As proposal responses are received or on a periodic basis, they will be opened, evaluated, and either accepted or rejected by the District, based on the criteria outlined within the request for proposal. Awards will be made throughout the open period of this solicitation and will be made upon acceptance of a proposal response.

**LENGTH OF CONTRACT:**

The term of this contract will be from date of award to October 31, 2027.

**SPECIFICATIONS/SCOPE OF WORK:**

The Carrollton-Farmers Branch Independent School District (CFBISD) is soliciting proposals from qualified firms to provide Outside Contracted Services on an as-needed basis. There are no specific projects at this time.

**MINIMUM REQUIREMENTS:**

1. The successful respondent must be able to send PDF quotes and accept purchase orders via e-mail.
2. Vendors shall not accept or process orders from any employee or representative of the District unless and until the vendor receives a valid Purchase Order from Carrollton-Farmers Branch ISD.

**PLEASE REVIEW ATTRIBUTES FOR FURTHER INFORMATION**

**Contact Information**

Contact: Tammy Craig Director of Purchasing  
Address: Purchasing  
Service Center  
1505 Randolph St.  
Carrollton, TX 75006  
Phone: 1 (972) 968-6334  
Email: craigt@cfbisd.edu

## Kickstart Kids Information

Contact: Joan Neuhaus  
Address: 10222 Westheimer  
Houston, TX 77042  
Phone: (711) 713-8189  
Email: [jneuhaus@kickstartkids.org](mailto:jneuhaus@kickstartkids.org)  
Web Address: <https://www.kickstartkids.org/>

By submitting your response, you certify that you are authorized to represent and bind your company.

Joan Neuhaus

*Signature*

[jneuhaus@kickstartkids.org](mailto:jneuhaus@kickstartkids.org)

*Email*

Submitted at 3/17/2023 08:03:33 PM (CT)

## Response Attachments

### Kickstart Kids - CFBISD 2023-2024 Contract (Partially Executed).pdf

Agreement for Services - Details of Services offered and requirements from CFBISD

## Bid Attributes

### 1 Standard Terms & Conditions

1. Delivery shall be made based on the proposed timeline. Payment will be made by Purchaser after satisfactory delivery.
2. All quotations shall include freight to purchaser's designated locations within Carrollton-Farmers Branch Independent School District (CFBISD).
3. Awards may be made on an item-by-item basis, or whatever is in the best interest of the District, unless specified otherwise.
4. All quantity and prompt payment discounts shall be listed on the bid/response form.
5. Quantities are estimates only and may be increased or decreased; your quotation shall be firm for one-year from Board approval date, unless stated otherwise in the bid specifications.
6. Specifications on the items you are bidding are desirable and samples may be required. If you are bidding other than specified, you must list the brand and/or model you are bidding. If the item is marked "No Substitution" we will only accept the specified product.
7. In case of extension error, unit price will prevail.
8. Any item that does not perform or meet test as specified or as claimed by the seller will be replaced at no cost to purchaser.
9. Transfer or assignment of contracts by seller is prohibited.
10. The School District reserves the right to accept or reject quotations on each item separately or as a whole.
11. Title to the material shall pass to the CFBISD upon receipt by the school district.
12. Checks will be issued to the vendor awarded the contract. Request for joint pay checks will not be honored.
13. CFBISD does not allow purchase orders to be changed, FOR ANY REASON, without PRIOR WRITTEN approval from someone in our District Purchasing Department. If your company increases quantities, makes substitutions, etc. on ANY order without written approval, your company's invoice(s) WILL NOT BE PAID.
14. If you would like to send your invoices electronically, please email them to [accountspayable@cfbisd.edu](mailto:accountspayable@cfbisd.edu).
15. The Vendor acknowledges that, upon approval of the CFBISD Board of Trustees, the terms and conditions of this Request for Proposals ("RFP") form the Contract between the District and the Vendor, which will govern any purchases that the District may make during the term of the Contract. Nothing in this Contract obligates the District to make any purchases from Vendor or prevents the District from making purchases from any other vendor. Should the District elect to make a purchase under this Contract, the District will issue a purchase order to the Vendor, which shall be governed by the terms and conditions of this Contract.
16. The terms of this Contract will not be modified or supplemented in any way by any (1) oral statements, or (2) any document or writing that the Vendor may transmit or otherwise create in anticipation of or response to

receipt of a purchase order from the District. The parties may not modify this Contract, except by written agreement duly authorized and signed by both parties that identifies itself explicitly as an amendment to this contract. No employee or agent of the District has the authority to modify this Contract in any way, unless the District's governing body specifically delegates that authority. A purchase order issued under this Contract shall, as combined with the terms of this Contract, constitute the final, complete and exclusive statement of the contract for purchase and may not be modified or rescinded except by a written change order issued by the District.

17. If a purchase order constitutes an offer by the District to purchase the goods and/or services specified upon the terms and conditions and at the price(s) and with the delivery date(s) specified in the purchase order, Seller shall indicate its acceptance of the purchase order by verbal acceptance communicated to the District, by written acceptance on the face of the purchase order received by the District, by other written confirmation received by the District, by commencing work on the purchase order in any manner, expressly conditioned on notice of such commencement of work received by the District, or by the delivery of the goods or services within the time for such delivery as stated in the purchase order. Regardless of the manner or medium of acceptance time is of the essence. As an offer, the purchase order expressly limits acceptance to its terms and conditions (which include the terms and conditions of this Contract), and notification of objection to any different or additional terms in any response to this offer from the Vendor is hereby given.
18. If the purchase order is construed as an acceptance of the Vendor's offer, the acceptance is expressly conditioned on the Vendor's assent to any additional or different terms contained in this Contract and the purchase order. If the purchase order is construed as a confirmation of an existing contract, the parties agree that the purchase order, as combined with the terms of this Contract, constitutes the final, complete and exclusive terms and conditions of the contract between the parties. The parties agree that the use of a purchase order to place orders for goods or services pursuant to this Contract shall be construed to supplement the terms of this Contract only to the extent that the terms and conditions of the purchase order are not inconsistent with this Contract. Regardless of its construction as an offer, acceptance, or use to place orders for goods or services pursuant to this Contract, each purchase order incorporates by reference all terms of the Uniform Commercial Code providing any protection for the District as a buyer, including, without limitation, all express and implied warranty protection and all buyer's remedies under the Uniform Commercial Code.
19. There are no third-party beneficiaries to this Contract. The parties do not intend that any non-party have any right to enforce any part of this Contract.
20. The laws of the State of Texas (with giving effect to its conflicts of law principles) govern all matters arising out of or relating to this Contract, including, without limitation, its validity, interpretation, construction, performance, and enforcement. Exclusive and mandatory venue for any action or proceeding arising out of this Contract is in the state courts of Tarrant County, Texas. A party bringing a legal action or proceeding against the other party arising out of or relating to this Contract or the transactions it may contemplate shall bring the legal action or proceeding in said courts. The vendor waives, to the fullest extent permitted by law, (a) any objection which it may now or later have to the laying of venue as provided herein of any legal action or proceeding arising out of or relating to this Contract and (b) any claim the tiny such action or proceeding brought in such court has been brought in an inconvenient forum. Vendor consent to the exclusive jurisdiction of the state courts sitting in Tarrant County, Texas, ad agrees that the exclusive choice of forum set forth herein does not prohibit the enforcement of any judgment obtained in an appropriate forum. This section does not waive any immunity to which the District is otherwise entitled.
21. To the fullest extent allowed by law, the Vendor shall indemnify and defend the District at all times after the date of this Contract against any liability, loss, damages, claim, settlement payment, cost and expense, interest, award judgment, diminution in value, fine, fee, and penalty, or other charge (an "Indemnified Loss") arising out of or relating to the transactions that are contemplated by this Contract, but only to the extent that such Indemnified Loss arises out of the Vendor's negligence or other fault.
22. Vendor agrees that, as a condition precedent and contractual prerequisite to suit, it shall exhaust all administrative remedies, including, but not limited to, the grievance process set forth in District policy GF (LOCAL), prior to instituting any action or proceeding against the District. Failure by the Vendor to fully exhaust the GF (LOCAL) process through Level Three, whether by missing timelines, abandoning a grievance, or otherwise, will constitute a waiver of any such claims Vendor and will bar Vendor from instituting or continuing any legal action or proceeding relating thereto. For purposes of this Contract, the timeline for filing an initial grievance under GF (LOCAL) is extended to ninety days from the date Vendor first knows, or with reasonable diligence should have known, of the decision or action giving rise to the complaint or grievance.
23. No amount shall be considered due and owing to Vendor from District unless, at a minimum, such amount (1) has been properly invoiced, and (2) is attributable to the Vendor's satisfactory performance of its obligations under this Contract.
24. By submitting a response to this RFP/Bid/CSP, each respondent waives any claims it may have against the

District, its trustees, officers, and employees, arising at any time prior to the date of submission of response.  
25. Vendor and District agree that the right to recovery of attorneys' fees that may arise under Texas Local Government Code Chapter 271 is hereby waived.

Standard Terms & Conditions have been read (Standard Terms & Conditions have been read)

**2 Please confirm that you have reviewed all attachments.**

Yes

**3 Percentage Discount**

Please include a percentage discount from 0-100% off your entire product offering. A retail price list or current catalog must be attached in the Response Attachment Tab.

0%

**4 Percentage Discount Exceptions**

Please include any exceptions related only to your percentage discount entered above in attribute #1

N/A

**5 Catalog/Pricing List**

Please attach the most recent copy of your catalog or price list. You may also provide the URL to your online catalog, if available, in the space provided.

\$75,000 for the 2023-2024 school year

**6 Purchase Order/Quote Contact**

Please include name, email address, and phone number.

Joan Neuhaus, jneuhaus@kickstartkids.org, 713-868-6003 ext. 105 or  
Ingrid Fenton, ifenton@kickstartkids.org, 713-868-6003 ext

**7 How to Place an Order**

Please provide brief description of how to place an order with your company.

Schools are to contact John Kurek, Director of Operations, to request the program (tel 713-868-6003 ext. 103). Requests are then handled by Executive Director Joan Neuhaus (ext. 105) or CFO David Joe (ext. 102.)

**8 Company Website**

Please provide your company's website address. This should be a page that describes the products/services matching this solicitation.

www.kickstartkids.org

**9 Company Address**

Please include STREET, SUITE NUMBER, CITY, STATE, AND ZIP CODE.

10222 Westheimer Rd., Houston, TX 77042

**10 Freight Charges**

Please select if you are providing AISD with Free Freight on all orders or Pre-Paid and Add (Invoice)

Free Freight (FF)

<b>1</b> <b>1</b>	<b>Accept Purchase Orders</b> Does your company accept PO's and take payment on NET30 terms to allow CFBISD to pay with a check after the service or product is delivered? <input type="text" value="YES"/>
----------------------	---

<b>1</b> <b>2</b>	<b>Return Policy</b> Please state your return policy on items purchased under this solicitation. <input type="text" value="Not applicable"/>
----------------------	--

<b>1</b> <b>3</b>	<b>Payment/Remittance Contact Name</b> Proposer shall provide the contact name of the individual that is responsible for payment remittance. <input type="text" value="Ingrid Fenton"/>
----------------------	---

<b>1</b> <b>4</b>	<b>Payment/Remittance Phone Number</b> Proposer shall provide the phone number of the individual that is responsible for payment remittance. <input type="text" value="(713) 868-6003 x111"/>
----------------------	---

<b>1</b> <b>5</b>	<b>Payment/Remittance Email Address</b> Proposer shall provide the email address of the individual that is responsible for payment remittance. <input type="text" value="ifenton@kickstartkids.org"/>
----------------------	---

<b>1</b> <b>6</b>	<b>Payment/Remittance Address</b> Proposer shall provide the location including street address, city, state, and zip code for checks to be mailed when paying invoices. <input type="text" value="10222 Westheimer Rd., Houston, TX 77042"/>
----------------------	--

<b>1</b> <b>7</b>	<b>Principal Place of Business</b> State whether the proposer or proposer's ultimate parent company or majority owner has its principal place of business in this state (Texas). <input type="text" value="Yes"/>
----------------------	---

<b>1</b> <b>8</b>	<b>Employees in State</b> State whether the proposer or the proposer's ultimate parent company or majority owner employs at least 500 persons in this state (Texas). <input type="text" value="No"/>
----------------------	--

<b>1</b> <b>9</b>	<b>FTEs</b> How many full time staff positions does your company employ? <input type="text" value="85"/>
----------------------	--

<b>2</b> <b>0</b>	<b>Years in Business</b> How many years has your company been in business? <input type="text" value="30"/>
----------------------	--

<b>2</b> <b>1</b>	<b>Diversity Classification</b> Please indicate if your company is currently a Minority-Owned, Woman Owned, or Historically Underutilized Business. If your company holds none of these, please indicate by selecting NONE. <input type="text" value="NONE"/>
----------------------	---

**2** **References**

The proposer is to submit three (3) references that have contracted with their company to provide like products and/or services. Include the entity name, phone number, contact person, and email address. It is recommended that the proposer use school districts or other local governmental agencies equal to AISD in size and structure, if possible.

**2** **Reference #1**

Please include:

ENTITY NAME  
CONTACT  
PHONE NUMBER  
EMAIL ADDRESS

Fort Bend ISD  
Principal Keith Fickel  
(281) 634-3080  
Fickel, Keith

**2** **Reference #2**

Please include:

ENTITY NAME  
CONTACT  
PHONE NUMBER  
EMAIL ADDRESS

Lori Sartain,  
Fort Bend ISD  
Asst. Director of Health and Wellness Lori Sartain  
(281) 634-1132  
lori.sartain@fortbendisd.com

**2** **Reference #3**

Please include:

ENTITY NAME  
CONTACT  
PHONE NUMBER  
EMAIL ADDRESS

Principal Auden Sarabia  
Meyerland Middle School  
(713) 726-3616  
jsarabia@houstonisd.org

**2** **Credit Card Acceptance or ACH?**

Can you take payments via credit card or ACH?

YES

**2** **Credit Card Terms**

Do you charge an additional fee for paying by credit card?

Yes, for large amounts

**28 Indemnification and Hold Harmless**

Except as otherwise expressly provided, Offeror shall defend, indemnify, and hold CFBISD harmless from and against all claims, liability, loss and expenses, including reasonable costs, collection expenses, and attorney's fees incurred, which arise by reason of the acts or omissions of Offeror, its agents or employees in the performance of its obligations under this contract. This clause shall survive termination of this contract.

I affirm. (I affirm.)

**29 Resident Bidder**

Texas Government Code Chapter 2252.001A (3) and (4) defines "resident" and "nonresident" bidder as follows:

Chapter 2252.001A (3) "Nonresident bidder" refers to a person who is not a resident.

Chapter 2252.001A (4) "Resident bidder" refers to a person whose principal place of business is in this state (Texas), including a contractor whose ultimate parent company or majority owner has its principal place of business in the state of Texas.

Chapter 2252.002 states "A governmental entity may not award a governmental contract to a nonresident bidder unless the nonresident underbids the lowest bid submitted by a responsible resident bidder by an amount that is not less than the amount by which a resident bidder would be required to underbid the nonresident bidder to obtain a comparable contract in the state in which the nonresidents principal place of business is located"

Resident bidder of Texas

**30 Contractor Certification**

Texas Education Code Chapter 22 requires service contractors to obtain criminal history record information regarding covered employees and to certify to the District that they have done so. Covered employees with disqualifying convictions are prohibited from serving at a school district.

Definitions:

Covered employees: All employees of a contractor who have or will have continuing duties related to the service to be performed in the District and have or will have direct contact with students. The District will be the final arbiter of what constitutes direct contact with students.

Disqualifying conviction: One of the following offenses, if at the time of the offense, the victim was under 18 or enrolled in a public school: (a) a felony offense under Title 5, Texas Penal Code; (b) an offense for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedure; or (c) an equivalent offense under federal law or the laws of another state.

Company/Contractor agrees to check the criminal history of personnel being provided to AISD under the agreement pursuant to Chapter 22, Subchapter C, Section 22.0834 of the Texas Education Code and hereby certifies that company/contractor has received all criminal history record information on said personnel. Furthermore, company/contractor agrees to provide only those personnel with an appropriate background pursuant to Chapter 22, Subchapter C, Section 22.085 of the Texas Education Code.

Some or all of the employees are covered

**31 Affidavit of Authority and Non-collusion**

I affirm I am of lawful age, being first duly sworn, on oath says, that (s) he is the agent authorized by the Proposal to submit the attached Proposal. Affiant further states that the proposer has not been a party to any collusion among Proposals/proposers in restraint of freedom of competition by agreement to Proposal at a fixed price or to refrain from proposing; or with any state official, District employee, Board Member, or benefit consultant as to quantity, quality, or price in the prospective contract, or any other terms of said prospective contract, or in any discussion or actions between Proposals/proposers and any state official, District employee, Board Member, or benefit consultant concerning exchange of money or other things of value for special consideration in the letting of this contract.

I affirm

**3**  
**2** **Debarment or suspension certification form**

Non-Federal entities are prohibited from contracting with or making sub-awards under covered transaction to parties that are suspended or debarred or whose principals are suspended or debarred. Covered transactions include procurement of goods or services equal to or in excess of \$100,000. Contractors receiving individual awards of \$100,000 or more and all sub-recipients must certify that the organizations and its principals are not suspended or debarred.

Certify No Suspension or Debarment

**3**  
**3** **Felony Conviction and Criminal History Notice**

Statutory citation covering notification of criminal history of contractor is found in the Texas Education Code, Section 44.034. Following is an example of a felony conviction notice:

State of Texas Legislative Senate Bill No. 1, Section 44.034, Notification of Criminal History, Subsection (a), states a person or business entity that enters into a contract with a public entity must give advance notice to the public entity if the person or an owner or operator of the business entity has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony.

Subsection (b) states a public entity may terminate a contract with a person or business entity if the public entity determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The public entity must compensate the person or business entity for services performed before the termination of the contract.

Firm is NOT owned nor operated by convicted felon

**3**  
**4** **Statement of Compliance/Deviation Form**

We hereby acknowledge receipt of the above referenced procurement opportunity, and certify that our Proposal confirms to the RFP except as detailed here.

Agree

**3**  
**5** **Statement of Compliance/Deviation Form Authorized Official**

Authorized Company Official's Name

Joan Neuhaus

**3**  
**6** **Statement of Compliance/Deviation Form Authorized Official**

Email address of Authorized Official

jneuhaus@kickstartkids.org

**3**  
**7** **Company Contact #1**

Name

Joan Neuhaus

**3**  
**8** **Company Contact #1**

Title

Executive Director

**3**  
**9** **Company Contact #1**

Phone

(713) 868-6003 x105

<b>40</b>	<b>Company Contact #1</b> Email <input type="text" value="jneuhaus@kickstartkids.org"/>
<b>41</b>	<b>Company Contact #2</b> Name <input type="text" value="David Joe"/>
<b>42</b>	<b>Company Contact #2</b> Title <input type="text" value="CFO"/>
<b>43</b>	<b>Company Contact #2</b> Phone <input type="text" value="(713) 868-6003 x102"/>
<b>44</b>	<b>Company Contact #2</b> Email <input type="text" value="djoe@kickstartkids.org"/>
<b>45</b>	<b>Annual Sales 2018</b> <input type="text" value="\$5760000"/>
<b>46</b>	<b>Annual Sales 2019</b> <input type="text" value="\$5400000"/>
<b>47</b>	<b>Annual Sales 2020</b> <input type="text" value="\$6000000"/>
<b>48</b>	<b>Year-to-date (YTD) Sales 2021</b> <input type="text" value="\$4800000"/>
<b>49</b>	<b>Proposal</b> In 100 words or less, describe what makes your firm uniquely qualified to provide the goods and/or services as outlined in the Proposal, including any superior qualities your firm possesses that would benefit the district. <input type="text" value="Kickstart Kids offers a character curriculum - honesty, courage, loyalty, respect, discipline, kindness, responsibility - through the martial arts. The program is conducted five days a week in school during the school day, and students may also attend after school and summer sessions free of charge, as well as participate in demonstration teams and tournaments. At a time when middle school and high school students are developing their identity and faced with significant life choices, the curriculum promotes a sense of community, achievement, leadership, positivity, healthy lifestyles and the foundation of character, giving students the tools to successfully navigate the challenges of life."/>
<b>50</b>	<b>Firm Background and Staff</b> Year present firm established <input type="text" value="1990"/>

<b>5</b> <b>1</b>	<b>Firm Background and Staff</b> Name of parent company, if any None
<b>5</b> <b>2</b>	<b>Firm Background and Staff</b> Address of parent company N/A
<b>5</b> <b>3</b>	<b>Firm Background and Staff</b> List principals of firm Non-profit organization. Co-Chairs Gena and Chuck Norris, Executive Director Joan Neuhaus, CFO David Joe, Director of Development and Marketing Amanda Baetz
<b>5</b> <b>4</b>	<b>Firm Background and Staff</b> Former company name(s) and year(s) established N/A
<b>5</b> <b>5</b>	<b>Professional Associations</b> License #s or Professional Association you are a member of that enhances the service expectation to CFBISD (if any) UFAF Martial Arts Organization
<b>5</b> <b>6</b>	<b>Organization and Staff Experience</b> Offerors must describe their qualifications and experience to perform the work described in this Request for All instructors are black belts in the martial arts and receive additional training in the Kickstart Kids program. Instructor are assessed annually and undergo an annual Kickstart Kids training.
<b>5</b> <b>7</b>	<b>Personal liability insurance</b> Describe limits per project. \$1,000,000 with \$2,000,000 aggregate
<b>5</b> <b>8</b>	<b>School District Experience</b> Has your company provided services to school districts? If yes, please list three K-12 districts: Fort Bend ISD, Grand Prairie ISD, Houston ISD
<b>5</b> <b>9</b>	<b>Has your firm lost any contracts within the last year due to performance issues?</b> If yes, please explain. None
<b>6</b> <b>0</b>	<b>State that you will provide a copy of your company's financial statements for the past two (2) years, if requested by the District.</b> Yes. As a non-profit, our Form 990 tax returns are a matter of public record.
<b>6</b> <b>1</b>	<b>Is your company currently for sale or involved in any transaction to expand or to become acquired by another business entity?</b> If yes, please explain the impact both in organizational and directional terms. No

<b>6 2</b>	<p><b>Provide any details of all past or pending litigation or claims filed against your company</b></p> <p>None</p>
<b>6 3</b>	<p><b>Is your company currently in default on any loan agreement or financing agreement with any bank, financial institution, or other entity. If yes, specify date(s), details, circumstances, and prospects for resolution.</b></p> <p>If yes, please explain</p> <p>No</p>
<b>6 4</b>	<p><b>Does any relationship exist whether by relative, business associate, capital funding agreement or any other such kinship exist between your company and any of the District's employees?</b></p> <p>Visit <a href="https://www.ethics.state.tx.us/">https://www.ethics.state.tx.us/</a> to complete the conflict of interest questionnaire</p> <p>No</p>
<b>6 5</b>	<p><b>What difficulties do you anticipate in serving the District and how do you plan to manage these and what assistance will you require from the District?</b></p> <p>Kickstart Kids currently serves the district with no difficulties</p>
<b>6 6</b>	<p><b>Provide a list of any services not specified in this RFP that your company will provide to CFBISD.</b></p> <p>None</p>
<b>6 7</b>	<p><b>Provide details regarding any special services, product characteristics, other benefits or advantages offered to CFBISD by selecting your company.</b></p> <p>Kickstart Kids focuses on and promotes personal growth in a manner not found in other programs, and reaches students other campus programs do not reach.</p>

**68 COMMITMENT TO PROVIDE INSURANCE**

If the Bidder shown below is awarded this contract by Carrollton-Farmers Branch ISD, the bidder will be able to, within ten (10) days of notification of such award, furnish a valid insurance certificate to the Carrollton-Farmers Branch ISD Purchasing Department, meeting all of the insurance requirements in this bid. Can you meet the insurance requirements below?

Insurance Coverage Required:

Comprehensive General Liability General Aggregate \$1,000,000  
Products - Comp/or Aggregate \$ 300,000  
Commercial General Liability Personal & Adv. Injury \$ 300,000  
Claims Made Occurrence Each Occurrence \$ 300,000  
Owner's Contractor's Protection  
Fire Damage (Any one fire) \$ 50,000  
Med. Expense (Any one person) \$ 5,000

Property Damage: Aggregate \$ 600,000  
Bodily Injury Each Person \$ 300,000  
Each Accident \$ 300,000  
Each Occurrence \$ 100,000

Automobile liability for: Combined Single Limit \$1,000,000  
Any Auto Bodily Injury Each Person \$ 100,000  
All Owned Autos Bodily Injury Per Accident \$ 300,000  
Scheduled Autos  
Hired Autos Property Damage - Aggregate \$ 300,000  
Non-Owned Autos Property Damage Each Occurrence \$ 100,000  
Garage Liability Aggregate \$ 300,000

Umbrella form - Excess liability \$ 1,000,000  
State the limits that your company carries: \$

Worker's Compensation Statutory and Each Accident \$ 500,000  
Employer's Liability Disease-Policy Limit \$ 500,000  
Disease-Each employee \$ 500,000

Worker's Compensation: Contractor shall provide all necessary Workman's Compensation Insurance as may be required by local, state and federal law.

**69 Educational Purchasing Cooperative of North Texas (EPCNT) Interlocal Agreement Consent Form**

This contract may be utilized for purchases by other local government entities under an interlocal cooperation agreement, Texas Government Code Chapter 791. Any contract awarded by CFBISD on behalf of another local government entity shall be contingent upon the issuance of a purchase order or execution of a separate contract by the other local government entity. The contractor must deal directly with the local government entity concerning the placement of orders, issuance of the purchase order, insurance certificates, contractual disputes, invoicing and payment or any other terms and conditions that the local entity may require. The actual utilization of this contract award by the other local government entity is at the sole discretion of that other local government entity. CFBISD is acting on the behalf of other local government entities for the sole purpose of complying with Texas competitive bidding requirements and shall not be held liable for any costs, damages, etc. incurred by any bidder with regard to any purchase by another local government entity. CFBISD shall be legally responsible only for payment of goods and services in the quantities detailed in the AISD purchase order or contract. CFBISD is a member of the Educational Purchasing Cooperative of North Texas(EPCNT) and acceptance would make this award available to the cooperative member districts. Do you agree to participate?

7  
0

### Central Texas Purchasing Alliance (CTPA) Interlocal Agreement Consent Form

This contract may be utilized for purchases by other local government entities under an interlocal cooperation agreement, Texas Government Code Chapter 791. Any contract awarded by CFBISD on behalf of another local government entity shall be contingent upon the issuance of a purchase order or execution of a separate contract by the other local government entity. The contractor must deal directly with the local government entity concerning the placement of orders, issuance of the purchase order, insurance certificates, contractual disputes, invoicing and payment or any other terms and conditions that the local entity may require. The actual utilization of this contract award by the other local government entity is at the sole discretion of that other local government entity. CFBISD is acting on the behalf of other local government entities for the sole purpose of complying with Texas competitive bidding requirements and shall not be held liable for any costs, damages, etc incurred by any bidder with regard to any purchase by another local government entity. CFBISD shall be legally responsible only for payment of goods and services in the quantities detailed in the AISD purchase order or contract. CFBISD is a member of the Central Texas Purchasing Alliance (CTPA) and acceptance would make this award available to the cooperative member districts. Do you agree to participate?

7  
1

### Restricted Contact Period

1. The Restricted Contact Period shall mean a prohibition on any communication regarding any request for proposal (RFP), bid, request for Qualification Statement (RFQ) or other competitive solicitation between:
  2. Any person who seeks an award from the District or its affiliated entities including a potential vendor or vendor's representative; and
  3. Any Board member, Superintendent, senior staff member, principal, department head, director, manager, or other District employee who has influence in the evaluation or selection process.
4. Furthermore, campaign contributions, gifts, donations, and any other items of value are prohibited between the parties defined above for any known contract under consideration during the restricted contact period. The District shall review historical campaign finance reports to identify campaign contributions for the applicable period and hold newly elected Board members to the same accountability standard as existing Board members during the restricted contact period.
5. The restricted contact shall not apply to communication with the District's Purchasing Department. Such communications shall be limited to the purpose of obtaining clarification or information concerning the subject solicitation or conducting contract.
6. The restricted contact period shall begin upon the issuance of an RFP, bid, or other competitive solicitation (as defined under procurement methods above) and will officially end upon execution of an award by the Board and/or the execution of a negotiated contract, whichever represents the final act in the procurement process.
7. Regardless of the above time period, it is not acceptable for a potential vendor to participate in determining the scope of work, strategic direction, technical specifications, or evaluation criteria of such projects. Nothing contained in this policy shall prohibit any potential vendor or vendor's representative from:
  8. Making public representations at scheduled pre-bid conferences or scheduled selection and negotiation committee meetings;

8.1. Engaging in contract negotiations during any scheduled meeting;

8.2 Making a public presentation to the Board during any duly noticed public meeting; or

9. Conducting business on contracts previously executed and currently in force.

9.1 The potential vendor or vendor's representative shall send all written communication directly to the designated procurement staff.

9.2 Nothing in this policy shall prohibit the procurement staff from initiating a contact with a potential vendor or vendor's representative and subsequent communication for the purpose of obtaining clarifying information regarding a response to an RFP, bid, or competitive solicitation. Such contact shall be in writing and shall be provided to the members of the applicable procurement staff, including any response thereto.

## 7 2 Federal Contract Provisions and Certifications

The following are required Federal contract provisions of Federal Regulations for Contracts with Carrollton-Farmers Branch ISD (CFBISD).

Mandatory: You must agree to all provisions to be considered for award.

Required Federal contract provisions of Federal Regulations for Contracts for contracts with Carrollton-Farmers Branch ISD (CFBISD) for purchases under USDA for purchases in conjunction with the National School Lunch Program, School Breakfast Program, and Summer Feeding Program

The following provisions are required to be in place and agreed if the procurement is funded with federal funds.

CFBISD is the subgrantee

or Subrecipient by definition. The federal Rule numbering or identification below is only for reference purpose on this form and does not

identify an actual Federal designation or location of the rule. The Rules are located in 2 CFR PART 200.

Appendix II to Part 200—Contract Provisions for Non-Federal Entity Contracts Under Federal Awards 2 CFR PART 200

In addition to other provisions required by the Federal agency or non-Federal entity, all contracts made by the non-Federal entity under

the Federal award must contain provisions covering the following, as applicable.

### **CONTRACTS FOR MORE THAN THE SIMPLIFIED ACQUISITION THRESHOLD SET AT \$250,000.**

Contracts for more than the simplified acquisition threshold currently set at \$250,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

Notice: Pursuant to Federal Rule (A) above, when federal funds are expended by CFBISD, CFBISD reserves all rights and privileges under the applicable laws and regulations with respect to this procurement in the event of a breach of contract by either party.

### **Termination for cause and for convenience by the grantee or subgrantee including the manner by which it will be effected and the basis for settlement. (All contracts in excess of \$10,000)**

Pursuant to Federal Rule (B) above, when federal funds are expended by CFBISD, CFBISD reserves the right to terminate any agreement in excess of \$10,000 resulting from this procurement process for cause after giving the vendor an appropriate opportunity and up to 30 days, to cure the causal breach of terms and conditions. CFBISD reserves the right to terminate any agreement in excess of \$10,000 resulting from this procurement process for convenience with 30 days' notice in writing to the awarded vendor. The vendor would be compensated for work performed and goods procured as of the termination date if for the convenience of the CFBISD. The District also reserves the right to terminate the contract immediately, with written notice to vendor, for convenience, if the District believes, in its sole discretion that is in the best interest of the District to do so. Any award under this procurement process is not exclusive and the District reserves the right to purchase goods and services from other vendors

when it is in the best interest of the District.

### **Equal Employment Opportunity (CONSTRUCTION ONLY)**

Applicable ONLY to federally assisted construction contracts.] Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of “federally assisted construction contract” in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41 CFR part 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.”

Pursuant to Federal Rule above, when the District expends federal funds on any federally assisted construction contract, the equal opportunity clause is incorporated by reference herein.

### **Davis-Bacon Act (FOR CONSTRUCTION OR PUBLIC WORKS PROJECTS)**

[Applicable ONLY to prime construction contracts in excess of \$2,000 where federal funds are being used for the project] Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland “Anti-Kickback” Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

### **Clean Air and Water Act**

Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and subgrants of amounts in excess of \$250,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

Pursuant to Federal Rule (C) above, when federal funds are expended by CFBISD, CFBISD requires that the proposer certifies that during the term of an award by the CFBISD resulting from this procurement process the vendor agrees to the terms listed and referenced therein.

### **Contract Work Hours and Safety Standards Act-FOR CONSTRUCTION OR PUBLIC WORKS PROJECTS**

Applicable ONLY to contracts in excess of \$100,000 involving mechanics or laborers.] Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

Pursuant to Federal Rule (E) above, when the District expends federal funds, Vendor certifies that Vendor will be in

compliance with all applicable provisions of the Contract Work Hours and Safety Standards Act during the term of an award for all contracts by the District resulting from this procurement process.

**Rights to Inventions Made Under a Contract or Agreement.**

If the Federal award meets the definition of “funding agreement” under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.

Pursuant to Federal Rule above, when federal funds are expended by the District, Vendor certifies that during the term of an award for all contracts by the District resulting from this procurement process, Vendor agrees to comply with all applicable requirements as referenced in Federal Rule above.

**Debarment and Suspension**

A contract award (see 2 CFR 180.220) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Pursuant to Federal Rule above, when federal funds are expended by CFBISD, CFBISD requires that the proposer certifies that during the term of an award by the CFBISD resulting for this procurement process the vendor certifies that they are not debarred from receiving a contract from the federal government as provided therein.

**Byrd Anti-Lobbying Amendment**

[Applicable ONLY to contracts in excess of \$100,000] Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)— Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

Pursuant to Federal Rule above, when federal funds are expended by the District, Vendor certifies that during the term and after the awarded term of an award for all contracts by the District resulting from this procurement process, the vendor certifies that it is in compliance with all applicable provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. 1352). The undersigned further certifies that:

- (1) No Federal appropriated funds have been paid or will be paid for on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal grant, the making of a Federal loan, the entering into a cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, “Disclosure Form to Report Lobbying”, in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all covered sub-awards exceeding \$100,000 in Federal funds at all appropriate tiers and that all subrecipients shall certify and disclose accordingly.

**Procurement of Recovered Materials**

When federal funds are expended, the District and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include: (1) procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR

part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; (2) procuring solid waste management services in a manner that maximizes energy and resource recovery; and (3) establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

Pursuant to Federal Rule above, when federal funds are expended by the District, as required by the Resource Conservation and Recovery Act of 1976 (42 U.S.C. § 6962(c)(3)(A)(i)), the vendor certifies, by signing this document, that the percentage of recovered materials content for EPA-designated items to be delivered or used in the performance of the contract will be at least the amount required by the applicable contract specifications or other contractual requirements.

#### **Domestic Preference for Procurement**

As appropriate and to the extent consistent with law, the non-Federal entity should, to the greatest extent practicable under a Federal award, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirements of this section must be included in all subawards including all contracts and purchase orders for work or products under this award. For purposes of 2 CFR Part 200.322, "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States. Moreover, for purposes of 2 CFR Part 200.322, "Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum, plastics and polymer-based products such as polyvinyl chloride pipe, aggregates such as concrete, glass, including optical fiber, and lumber.

Pursuant to Federal Rule above, when federal funds are expended by the District, vendor certifies, by signing this document, that to the greatest extent practicable vendor will provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products).

#### **Ban on Foreign Telecommunications**

Federal grant funds may not be used to purchase equipment, services, or systems that use "covered telecommunications" equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. "Covered telecommunications" means purchases from Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities), and video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

Pursuant to Federal Rule (L) above, when federal funds are expended by the District, vendor certifies, by signing this document, vendor will not purchase equipment, services, or systems that use "covered telecommunications", as defined by 2 CFR §200.216, equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

#### **Record Retention Requirements for Contracts Involving Federal Funds**

When federal funds are expended by the District for any contract resulting from this procurement process, Vendor certifies that it will comply with the record retention requirements detailed in 2 CFR § 200.333. Vendor further certifies that it will retain all records as required by 2 CFR § 200.333 for a period of three years after grantees or subgrantees submit final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.

#### **Energy Policy and Conservation Act**

Federal Rule Compliance with Mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).

Pursuant to Federal Rule (G) above, when federal funds are expended by CFBISD, CFBISD requires that the proposer certify that during the term of an award by the CFBISD resulting for this procurement process the vendor will be in compliance with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).

#### **Discrimination**

Pursuant to Federal Rule (I) above, when federal funds are expended by CFBISD, CFBISD requires that the

proposer certify that during the term of an award by the CFBISD resulting for this procurement process the vendor will be in compliance with mandatory standards and policies relating to Title VI of the Education Amendments of 1972; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975; Title 7 CFR Parts 15, 15a, and 15b; the Americans with Disabilities Act; and FNS Instruction 113-1, Civil Rights Compliance and Enforcement – Nutrition Programs and Activities.

Does your company comply with Title VI of the Education Amendments of 1972; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975; Title 7 CFR Parts 15, 15a, and 15b; the Americans with Disabilities Act; and FNS Instruction 113-1, Civil Rights Compliance and Enforcement – Nutrition Programs and Activities as they apply to this contract?

**Certification of Compliance with Buy America Provisions -NATIONAL SCHOOL LUNCH PROGRAM ONLY**

[Only Applicable to Contracts funded under the National School Lunch Program] The Buy American regulations promulgated by USDA and TDA require public school districts to purchase domestically grown and processed food to the maximum extent practicable. The food product must consist of agricultural commodities that were grown domestically, unless an authorized exception exists and has been approved by the District.

**FOR CONSTRUCTION OR PUBLIC WORKS PROJECTS: Copeland Anti-Kickback Act**

Pursuant to Federal Rule (M) above, when federal funds are expended by CFBISD for construction or repair, CFBISD requires that the proposer certify that during the term of an award by the CFBISD resulting for this procurement process the vendor will be in compliance with mandatory standards and policies relating to (18 U.S.C. 874) as supplemented in Department of Labor regulations (29 CFR Part 3).

**Certification of Access to Records**

2 C.F.R. § 200.336 Vendor agrees that the District's Inspector General or any of their duly authorized representatives shall have access to any books, documents, papers and records of Vendor that are directly pertinent to Vendor's discharge of its obligations under the Contract for the purpose of making audits, examinations, excerpts, and transcriptions. The right also includes timely and reasonable access to Vendor's personnel for the purpose of interview and discussion relating to such documents.

**Boycott Israel Certification**

Pursuant to Texas Government Code, Chapter 2270, as amended, if Contractor is a for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations (specifically excluding sole proprietorships) that exists to make a profit which has ten (10) or more full-time employees and the value of the contract with Owner is \$100,000 or more, the Contractor represents and warrants to the Owner that the Contractor does not boycott Israel and will not boycott Israel during the term of this Agreement.

**Note:** On April 25, 2019, the U.S. District Court for the Western District of Texas entered a preliminary injunction enjoining the enforcement of the above clause in any state contract. Texas Government Code, Chapter 2270 has been amended since the date of the injunction and the requirement of the statute is included above in its amended form. As the statute may not cure the entire breadth of issues addressed by injunction, the Owner does not intend to seek enforcement of this this statute until further order of this or higher court having jurisdiction over the issue.

If not exempt from this requirement, please certify that:

1. Your company does not boycott Israel currently; and
2. Will not boycott Israel during the term of any contract with CFBISD

**Abortion Provider Non-Affiliation Certification**

Pursuant to Texas Government Code Chapter 2272, the District is prohibited from contracting with any abortion provider or an affiliate of an abortion provider whereby the provider or affiliate receives something of value derived from state or local tax revenue. Any contract entered into by the District is void if the prospective vendor has such a prohibited affiliation or contractual relationship. By submitting a proposal in response to the request for proposal, you are certifying to the District that you do not have such an affiliation or contractual relationship.

I Certify

**7  
3** **Federal Contract Provisions and Certifications - CONTINUED**

**Texas Comptroller Divestment Statute Listing Certification**

The Proposer verifies that neither the company, nor any subsidiaries, nor entities under common control, are

included in or identified on a list maintained by the Texas Comptroller's Office as a "terrorist organization". This list is identified as the Texas Comptroller Divestment List, which complies with the following Texas Government Codes:

The Texas Comptroller of Public Accounts provides the following divestment lists in connection with [Tex. Govt. Code 808.051\(HB 89, 85th R.S.\)](#), [Tex. Govt. Code 2252.153\(SB 252, 85th R.S.\)](#), and [Tex. Govt. Code 2270.0209\(SB 253, 85th R.S.\)](#), and for compliance with contracting requirements referenced in [Tex. Govt. Code 2252.152\(SB 252, 85th R.S.\)](#) and [Tex. Govt. Code 2270.002\(HB 89, 85th R.S.\)](#).

- [Companies that Boycott Israel \(PDF\)](#) — *Updated May 2019*
  - [Scrutinized Companies with ties to Sudan \(PDF\)](#)— *Updated October 3, 2019*
  - [Scrutinized Companies with ties to Iran \(PDF\)](#)— *Updated October 3, 2019*
  - [Designated Foreign Terrorist Organizations \(PDF\)](#) — *Updated March 2019*
  - [Scrutinized Companies with ties to Foreign Terrorist Organizations \(PDF\)](#)
  - [FAQ for Investing Entities \(PDF\)](#)
- These lists are viewable from the following link: <https://comptroller.texas.gov/purchasing/publications/divestment.php>

### **Chapter 809 (VERIFICATION) DOES NOT BOYCOTT CERTAIN ENERGY COMPANIES**

Pursuant to Texas Government Code, Section 1, Subtitle A, Title 8, as amended by adding Chapter 809, and Section 2, Subtitle F, Title 10, as amended by adding Chapter 2274, (TX SB13 | 2021-2022 | 87th Legislature), if Contractor is a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations, that exists to make a profit, which has ten (10) or more full-time employees and the value of the contract with Owner is \$100,000 or more, the Contractor represents and warrants to the Owner that the Contractor does not and will not boycott certain energy companies during the term of this Agreement.

If not exempt from this requirement, pursuant to Texas Government Code Chapter 2274, as amended, the undersigned authorized representative of the company named below (hereinafter referred to as Company), verifies, represents and warrants to the Carrollton-Farmers Branch I.S.D. that the Company:

If not exempt from this requirement, pursuant to Texas Government Code Chapter 2274, as amended, the undersigned authorized representative of the company named below (hereinafter referred to as Company), verifies, represents and warrants to the Carrollton-Farmers Branch I.S.D. that the Company:

1. Does not boycott energy companies; and
2. will not boycott energy companies during the term of the contract (if any) between the above-named Company, business or individual with the Carrollton-Farmers Branch Independent School District

This statement will also be included in any contract that may result from this procurement.

Pursuant to Texas Government Code Sections 1.A.8.809 and Section 2.F.10.2274:

1. "Boycott energy company" means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

(A) invests in or assists in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy; or

(B) does business with a company described by Paragraph (A).

2. "Listed company" means a company listed by the comptroller under Section 809.051.

3. "Company" means a for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or associations that exists to make a profit.

THE COMPANY SHALL INDEMNIFY AND HOLD HARMLESS THE CARROLLTON-FARMERS BRANCH I.S.D., ITS OFFICIALS AND EMPLOYEES FROM ANY AND ALL CLAIMS, DAMAGES, EXPENSES, AND COSTS OF ANY NATURE BASED UPON CARROLLTON-FARMERS BRANCH I.S.D.'S RELIANCE ON THIS VERIFICATION.

*Effective September 1, 2021*

### **Does Not Discriminate Against FIREARM and AMMUNITION Industries**

Pursuant to Texas Government Code, Chapter 2274, as amended, if Contractor is a for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly-owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations (specifically excluding sole proprietorships) that exists to make a profit which has ten (10) or more full-time employees and the value of the contract with Owner is \$100,000 or more, the Contractor represents and warrants to the Owner that the Contractor does not and will not Discriminate Against Firearm and Ammunition Industries during the term of this Agreement.

If not exempt from this requirement, pursuant to Texas Government Code Chapter 2274, as amended, the undersigned authorized representative of the company named below (hereinafter referred to as Company), verifies, represents and warrants to the Carrollton-Farmers Branch I.S.D. that the Company:

1. Does not Discriminate Against the Firearm and Ammunition Industries and;
2. Will not Discriminate Against Firearm and Ammunition Industries during the term of the contract (if any) between the above-named Company, business or individual with the Carrollton-Farmers Branch Independent School District.

This statement will also be included in any contract that may result from this procurement.

THE COMPANY SHALL INDEMNIFY AND HOLD HARMLESS THE CARROLLTON-FARMERS BRANCH I.S.D., ITS OFFICIALS AND EMPLOYEES FROM ANY AND ALL CLAIMS, DAMAGES, EXPENSES, AND COSTS OF ANY NATURE BASED UPON CARROLLTON-FARMERS BRANCH I.S.D.'S RELIANCE ON THIS VERIFICATION.

*Effective Sept. 1, 2021*

I Certify



**Board of Trustees**

**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Expenditures to Purchase Multi-Tiered Systems of Support (MTSS) Student Platform, Student Emotional Learning (SEL) and Student Survey Platform, Staff and Parent Climate Survey, and Professional Learning Programs, from Panorama Education, Inc., Utilizing Harris County Choice Partners Contract #21/031KN-44, Technology Products and Services (Budgeted Local and Federal Funds - \$424,000.00)*

**JUSTIFICATION STATEMENT:**

(To provide an all-in-one solution for implementing a comprehensive climate, MTSS and SEL Program, District-wide)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Tyra L. Harrison, Kristine Ferret and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever I: Whole Child Development - El Paso ISD schools foster learning environments for the whole child to thrive.*

**SUMMARY:**

The Interlocal Cooperative Agreement is one (1) of seven (7) approved purchasing methods allowed under the Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000.

Components of the Panorama Education Multi-Tiered Systems of Support (MTSS) Student Success Platform, SEL and Student Survey Platform, Staff and Parent Climate Survey, and Professional Learning include:

- Ongoing integration of Frontline/TEAMS & standard filters into Student Success platform. Includes behavior, attendance, coursework, rosters, and demographics.
- Ongoing integration of iReady, NWEA MAP, mClass/Amplify, CLI Engage, TELPAS, Amplify Lectura, Eduphoria, Texas STAAR and other supported assessments into Student Success platform.
- Playbook of over 800 evidence-based, academic, attendance, behavior and SEL strategies to address opportunities for skill development.
- Dedicated Account Manager, Project Manager, Strategic Advisor, and technical support to facilitate implementation.
  
- **MTSS Student Success Platform:** Intervention tracking and progress monitoring tools and MTSS dashboards to track effectiveness of each student support plan and intervention type. MTSS dashboards at the District, school, and student-levels with easy-to-navigate screens to disaggregate data by demographics and programs. Ability to create Custom Reports to bring data sources together (interventions, etc.) and understand relationships between student outcomes and supports.
  
- **Student SEL Surveys and Platform:** Online administration and reporting for Panorama's Student SEL Surveys to serve as the District's Student Growth Measure for SEL implementation. Research-backed and validated survey instruments, customized to District needs and priorities covering topics across school climate, culture, social-emotional learning and well-being. Robust, nationally normed reporting with dashboards at the District, school, classroom and student-levels.
  
- **Parent and Teacher Surveys:** Survey reporting with Panorama includes national benchmarking and peer comparisons so that school and District teams can use comparative data to identify relative areas of strength, opportunity, and prioritize next steps for school improvement planning. Each survey program is grounded in the District's mission, vision and strategic plan pillars, and data

collected often serve as the progress indicators for goals.

- **Professional Learning:** Professional Learning package includes Strategic advising, as well as onsite and virtual training and workshops.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the expenditures for the purchase of Multi-Tiered Systems of Support (MTSS) Student Platform, Student Emotional Learning SEL and Student Survey Platform, Staff and Parent Climate Survey, and Professional Learning Programs, from Panorama Education, Inc., utilizing Harris County Choice Partners Contract #21/031KN-44, in the amount of \$424,000.00, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget.

**FUNDING SOURCE:** Budgeted Local and Federal Funds      **ACCOUNT NO.:** 185.31.6299.807.24.100.807,185.31.6299.912.24.100.912,255.13.6299.807.24.100.807

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$424,000.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

Services will not be provided to K-12 campuses.

**IMPLEMENTATION TIMELINE:** August 16, 2024, through August 15, 2025

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

- Description
- ▢ Harris County Choice Partners
- ▢ Signed Contract

# Panorama Education, Inc.

**Contract Category:****Contract Number:** 21/031KN-44**Contract Terms:****Initial Award Date:** June 16, 2021**1<sup>st</sup> Renewal Start Date:** June 16, 2022**2<sup>nd</sup> Renewal Start Date:** June 16, 2023**Current Expiration Date:** June 15, 2024**Renewals Remaining:** 1**CP Contract Manager:****Monique Francis**[monique@choicepartners.org](mailto:monique@choicepartners.org)

713-316-4259

**Contract Partner:** Panorama Education, Inc.**Contract Partner Web Site:**<http://www.panoramaed.com>**Approved Market Area:** National**APPROVED PRODUCT OR SERVICE:**

Technology Products and Services

MUST mention **RFP 21/031KN-44** when contacting vendor.**MWBE/HUB Status:** Not Certified**ABOUT THIS PARTNER:**

Panorama was founded in 2012 with a focus on using research-backed feedback surveys and a leading technology platform to drive meaningful improvements in climate, engagement, leadership, and well-being in K12 classrooms, schools, departments, and districts. We have invested heavily in research and development to provide valid and reliable survey instruments, a robust yet user-friendly technology platform, data analytics and reporting to bolster MTSS and RTI, and a wealth of tools and resources to help educators take action based on their data.

Today, we support over 1,500 school districts across all 50 states in collecting feedback from more than 11 million stakeholders. We support 33 of the 100 largest districts in the nation and partner with clients including Dallas Independent School District, Indiana Department of Education, New York City Department of Education, Rhode Island Department of Education, San Francisco Unified, and Seattle Public Schools.

**VENDOR CONTRACT**  
**(Goods and Services)**

THIS VENDOR CONTRACT FOR GOODS AND SERVICES ("this Contract") is between PANORAMA EDUCATION INC. (the "Vendor") and the EL PASO INDEPENDENT SCHOOL DISTRICT ("District"). The Effective Date of this Contract is **August 16, 2024** regardless of when executed. For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

1. **Term.**

1.1 **Term.** The term of this Contract shall be for a period from **August 16, 2024** through **August 15, 2025** [with **0** year(s) annual renewal(s)] unless earlier terminated in accordance with this Contract. Annual renewals, if any, shall be at the sole discretion of the District.

1.2 **Non-Appropriation.** In the event the Contract is awarded for a term greater than one year or extending beyond the District's current budget period, it will be subject to approval at the commencement of each of the District's budget years. Vendor agrees that the District has the continuing right to terminate this Contract without notice at the end of a District budget period in which funds for this Contract are not appropriated. In such event the Contract may be terminated as soon as practicable after the event of non-appropriation or upon 30-days' prior written notice whichever provides the longest notice.

2. **Cancellation/Termination.**

2.1 **Termination.** This Contract may be terminated as follows: (a) by either party in the event of material breach of this Contract by the other party which continues more than thirty (30) days after written notice of default from the non-breaching party to the breaching party; or (b) by the District at its option: (i) if Vendor fails, as determined by the District's representative, to satisfactorily perform the duties set out in this Contract, comply with any covenant herein required or breach any warranty provided herein; becomes insolvent, files or has filed against it a petition in bankruptcy, proposes or accomplishes any dissolution, liquidation, composition, financial reorganization or recapitalization with creditors; (ii) if a receiver, trustee, custodian, or similar agent is appointed or takes possession of any property or business of Vendor; (iii) if, at the expiration of each District budget period occurring during the term of this Contract, funds for this Contract are not appropriated as provided in Section 1.2 above; or (iv) with or without cause upon thirty days prior written notice from the District to Vendor. In the event of early termination of the Contract for any reason, the total compensation which may be claimed by Vendor under this Contract shall be limited [subject to other limitations in this Contract or applicable law] to the payment for the conforming Goods and/or Services timely provided by the date of termination.

2.2 **Effect.** Within forty-five (45) calendar days of the effective date of completion, or termination or expiration of this Contract, Vendor shall submit to District its claims, in detail, for the monies owed by District for Services satisfactorily performed or Goods delivered and accepted under this Contract through the effective date of termination. **Failure by Vendor to submit its claims within forty-five (45) calendar days shall negate any liability on the part of District and constitute a waiver by Vendor of any and all right or claims to collect monies that Vendor may rightfully be otherwise entitled to for Services satisfactorily performed or Goods delivered under this Contract.** Regardless of how this Contract is terminated, Vendor shall effect an orderly transfer to District or to such person(s) or firm(s) as the District may designate, at no additional cost to District. Upon the effective date of expiration or termination of this Contract, Vendor shall cease all operations of Services being performed or delivery of Goods by Vendor, or any of its subcontractors, pursuant to this Contract. All completed or partially completed documents, papers, records, charts, reports, and any other materials or information produced, or provided to Vendor, in connection with the Services rendered by Vendor under this Contract, regardless of storage medium, shall be transferred to District. Such record transfer shall be completed within thirty (30) calendar days of the termination date and shall be completed at Vendor's sole cost and expense. Payment of compensation due or to become due to Vendor is conditioned upon delivery of all such documents.

3. **Right to Assurance.** Whenever the District in good faith has reason to question the Vendor's intent to perform, the District may demand that the Vendor give written assurance of its intent to perform. In the

event that a demand is made and no assurance is given within five business (5) days, the District may treat this failure as an anticipatory repudiation of the Contract.

4. **Remedies.** In the event of default of this Contract by Vendor, the District shall have all of, and may exercise one or more of, the following rights and remedies: (a) the right to recover damages; (b) the right to seek injunctive relief; (c) the right to seek declaratory relief; (d) the right to off-set and/or retain from payments otherwise due to Vendor damages, fees, and costs sustained or incurred by the District in connection with such breach; (e) the right to terminate this Contract as provided herein; and (f) any of its rights and remedies in law or equity. In no event shall District's action of terminating this Contract, whether for cause or otherwise, be deemed an election of District's remedies, nor shall such termination limit, in any way, at law or at equity, District's right to seek damages from or otherwise pursue Vendor for any default hereunder or other action.

5. **Force Majeure.** If by reason of Force Majeure (i.e. acts of God, strikes, lockouts, or other industrial disturbances, etc.), either party hereto shall be rendered unable, wholly or in part, to carry out its obligations under this Contract, then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

6. **Goods and Services to Be Delivered.**

6.1 Delivery, Packaging and Acceptance of Goods.

A. Vendor agrees to provide the Goods listed and described in Exhibit "A," which is attached hereto and incorporated herein by reference for all purposes [or any subsequent Goods required to be delivered to the District under this Contract] (collectively, the "Goods"). Unless otherwise stated in Exhibit "A", the Goods shall be delivered in accordance with the following Standard Delivery Terms:

(i) F.O.B. District's James Gamble Facility, 4900 Woodrow Bean Drive, El Paso, Texas 79924.

(ii) Goods will be packed in accordance with good commercial practice and in a manner which will facilitate securing the lowest transportation costs, conform to requirements of common carriers and any applicable specifications. Each shipping container shall be clearly and permanently packed and identified with: (a) Vendor's name and address; (b) if applicable, consignee's name, address and purchase order and bid number; (c) container number and total number of containers, e.g. box 1 of 4 boxes; and (d) the number of the container bearing the packing slip. Vendor shall bear cost of packaging unless otherwise provided. The District's count or weight determination shall be final and conclusive on shipments not accompanied by packing slips/lists. The Goods will be delivered with an Operator's Manual and a Maintenance and Parts Manual, if one exists.

(iii) The District assumes no liability for Goods delivered in damaged or in unacceptable condition. The Vendor shall handle all claims with insurance carriers, and in the event that Goods are damaged in transit shall ship replacement Goods immediately upon notification by the District of damage. Delivery will be made between the hours of 8:00 a.m. and 3:30 p.m. (MDT/MST) unless otherwise specified by the District in writing. Vendor is not authorized to ship the Goods under reservation and no tender of a Bill of Lading will operate as a tender of Goods. The District shall have the right to inspect the Goods at delivery before accepting them and no Goods will be accepted until written acceptance is provided by authorized District Representative. Any written warranties will commence upon acceptance of the Goods by the District.

(iv) Repair and Replacement Information. As the situation requires, the Vendor shall provide alternative quotes for both repair and replacement of any damaged Goods, if appropriate to the request. In the event the cost of repair is equal to or greater than seventy-five percent (75%) of the price of a new item, Vendor shall provide a written recommendation to

the District representative regarding the relative merits of repair or replacement of the item. Failure to adhere to these requirements may be grounds for the termination of the Contract.

## 6.2 Delivery of Services and Standard of Care.

A. Delivery. Vendor agrees to provide the Services listed and described in Exhibit "B," which is attached hereto and incorporated herein by reference for all purposes (collectively, the "Services"). Nothing contained in this Contract shall require District to pay for any unsatisfactory Services, as determined by District's representative, or for work that does not comply with the terms of this Contract.

B. Standard of Care. If the Services are performed by a non-professional Vendor, Vendor represents, covenants, and warrants that it will devote its good faith, best efforts in provision of the Services and will provide the Services with reasonable care and skill and in a good and workmanlike manner. If the Services are considered Professional Services, the Vendor further represents, covenants and warrants that it will provide the Services using the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same locale. Services will be provided in a manner consistent with industry standards and will conform to the required specifications set out herein, and shall be delivered in compliance with all applicable laws, rules, regulations, procedures and consistent with industry standards.

## 6.3 Warranties for Goods and Services.

A. Express Warranties. Vendor expressly represents, warrants and covenants, that:

(i) Vendor will devote its good faith, best efforts in provision of the Goods and/or Services.

(ii) Vendor has and will retain sufficient financial condition, working capital, experience, expertise, personnel, licenses, certifications, and authority to provide the Goods and/or Services, that it will provide copies of its licenses and certifications to the District upon request, and will comply with the vendor ethics policies of the District.

(iii) The Goods furnished conform with the specifications, drawings, descriptions and that the Services promised will adequately address the Scope of Services set forth in the Contract and its exhibits, the District's Request for Proposal, Request for Competitive Sealed Proposal or other solicitation for the Goods and/or Services contracted for herein (the "Solicitation Document"), and to any sample(s) furnished by Vendor, if any, in connection with the Contract or in response to the District's Request for Proposal.

(iv) The Goods and/or Services shall be delivered in compliance with all applicable laws, rules, and regulations, with District policies and procedures, and consistent with industry standards.

(v) In the event of a conflict between the specifications, drawings and descriptions of Goods to be provided, the specifications shall govern. In the event of a conflict between the Solicitation Document and the Contract, the Contract shall prevail.

(vi) All Goods are new and the quality of the Goods is consistent with or better than industry standard.

B. Implied Warranties.

(i) The Goods comply with all implied warranties, including but not limited to, the implied warranty of merchantability and fitness for the particular purpose for which they were obtained. The Vendor agrees to provide the Services agreed to herein in a good and workmanlike manner.

(ii) No implied warranties for Goods and/or Services or provided in connection with this Contract are waived modified or excluded by any provision of this Contract, or any terms and conditions included in any document prepared by the Vendor, and any provision so intended, or interpreted shall be treated as void *ab initio*.

C. **Safety Warranty and Provision of Material Safety Data Sheets.** As applicable, the Goods supplied to the District under this Contract shall conform to applicable standards promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act ("OSHA") of 1970. In the event the Goods do not conform to OSHA standards, the District will be permitted to refuse or return the non-conforming Goods for correction or replacement at the Vendor's expense. Where Goods to be delivered under this Contract require the maintenance of Material Safety Data Sheets ("MSDS"), a copy of the relevant MSDS will be made available to the District's representative prior to delivery of the relevant Goods.

6.4 **No Warranties by District.** No review, consent, or approval by the District of any documents prepared by Vendor shall constitute a representation or warranty by the District of the legality, suitability, or quality of the same or content thereof.

6.5 **Reservation of Rights.** The District reserves the right to use its own staff or any other third-party to provide the same or similar goods and/or services to the Goods and/or Services described herein.

7. **Tax Exemption.** The District is exempt from Federal Excise, State or City Sales Tax under State Law and such obligations are included in the price under this Contract. The District will furnish a tax exemption certificate, if required.

8. **Invoicing and Payment.** Compensation to Vendor is set forth on Exhibit "C," attached hereto and incorporated herein. Except as otherwise provided in Exhibit "C," Vendor shall invoice the District on or before the thirtieth (30<sup>th</sup>) day of each month, for the portions of the Goods delivered and accepted and/or Services performed during the preceding month at rates set forth on Exhibit "C." Reimbursable Expenses are included in the hourly rate or not to exceed pricing for Services unless specifically excluded. If excluded, Reimbursable Expenses will be itemized separately and documented by receipts for invoicing purposes. Invoices for Goods and/or Services shall not include Federal Excise, State or City Sales Tax for which an Independent School District is exempt under State law. The District shall furnish a tax exemption certificate, if required. The aggregate compensation from the District to Vendor for the Goods and/or Services shall not exceed the maximum figures stated in Exhibit "C." Vendor shall not be entitled to receive payments or amounts under the Contract in excess of the amounts appropriated for the then-current budget period of the District. The District shall make payment to the Vendor for amounts determined to be properly due, not later than thirty (30) days after its receipt of the Vendor's invoice or as required by the Texas Prompt Payment Act (Chapter 2251 of the Texas Government Code) or its successor. The maximum interest rate on any past due payments by the District to Vendor shall be limited to the rate provided by Section 2251.025 of the Texas Government Code or its successor. The District shall not be required to make any payments to Vendor at any time Vendor is in default under this Contract.

9. **Confidential/Proprietary Information.**

9.1 **Confidential Information/Materials.** Vendor understands that, during the term of this Contract, Vendor will have access to certain information belonging to the District and designated as confidential by the District or not generally known by non-District personnel (collectively, the "Confidential Information"). During the term of this Contract and at all times thereafter, Vendor shall not, without the prior written consent of the District, do any of the following, directly or indirectly: (a) use any of the Confidential Information for Vendor's own purposes or for the purposes of any person or entity other than the District; and/or (b) disclose any of the Confidential Information to any third party, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Vendor further shall take all steps necessary to prevent disclosure of Confidential Information by any other person or entity, during the term of this Contract and at all times thereafter, without the prior written consent of the District. All data, disks, lists, financial records, other records, documents, property, information, specifications, and materials of the District relating to the Goods and/or Services provided to Vendor during the term of this Contract, as well as all copies thereof (collectively the "Materials"), shall be and remain the sole and exclusive property of the District. None of the Materials shall be retained by Vendor, or shall be transmitted to anyone at any time, either now or in the future, except as reasonably and in good faith required in connection with

performance of this Contract by Vendor. Upon termination of this Contract, or upon request by the District, Vendor shall promptly return the Materials to the District. The Materials are included within the definition of Confidential Information. Vendor further agrees that, if it receives information or records concerning any student, it shall not disclose the same, except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA.

9.2 **Intellectual Property Rights.** If Vendor, as part of the delivery of the Goods and/or Services, will be working with the District, [all references to Vendor and District in this paragraph shall include their respective agents, employees and representatives], to create and/or develop materials or other work products, including visual, audio, written and graphic material (the “Resulting Work Product”) for which the Vendor will receive any consideration provided for in this Contract, the Resulting Work Product (including all of Vendor’s contributions to the creation or development of the Resulting Work Product), and any state or federal trademark rights, copyrights, patents or other intellectual property rights associated with the Resulting Work Product (collectively, the “Intellectual Property Rights”) will at all times remain the exclusive property of the District. Vendor agrees to assist the District in any way necessary, including executing any assignments or other documents, required to document the District’s ownership rights in the Resulting Work Product and the associated Intellectual Property Rights, as applicable; including taking any action necessary for the District to secure state or federal registration of its Intellectual Property Rights in the name of the District. No separate or additional consideration, other than the consideration paid under this Contract, will be provided by the District for any provision of any assignments or conveyance of the Resulting Work Product, or of Intellectual Property Rights associated with the Resulting Work Product. The Vendor shall assure that its authorized subcontractors or agents, not under its control as employees, are aware of this provision and are contractually bound thereby.

10. **Vendor Records and Retention.** The District or its authorized representative shall be afforded unrestricted access to and be permitted to inspect and copy all of the Vendor’s records, which shall include but not be limited to accounting records (hard copy as well as computer readable data), correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to this Contract. The Vendor shall preserve all such records for a period of five (5) years, after the District makes final payment and all other pending matters are closed, or for such longer period as may be required by law, after final payment under this Contract, including any extension thereof. To the extent that the requirements of 2 CFR § 200.333 apply to the Contract, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award, must be retained for the Vendor for only the period required by 2 CFR § 200.333 and the five (5) year requirement of this provision shall apply to all other documents. If no federal funds are expended by the District for the Contract, the five (5) year retention requirement provided herein will apply.

For a Contract involving at least \$1 million in Goods/Services, the following provision shall apply: Vendor shall preserve for the duration of this Contract all “contracting information” within the meaning of Texas Government Code Section 552.003(7) et. seq. relating to this Contract (the “Contracting Information”) as provided by the records retention requirements applicable to the District. Vendor shall provide to the District, upon its request, any Contracting Information that is in the custody or possession of Vendor. Upon completion of this Contract, Vendor shall either provide at no cost to the District all Contracting Information in the custody or possession of Vendor or instead preserve all Contracting Information as provided by the records retention requirements applicable to the District. Pursuant to Texas Government Code Section 552.372(b), the following notice is given to Vendor: The requirements of Subchapter J, Chapter 552, Government Code, may apply to this Contract, and Vendor agrees that the Contract can be terminated if Vendor knowingly or intentionally fails to comply with a requirement of that Subchapter.

## 11. **Indemnification.**

11.1 **General Indemnification.** Vendor agrees to **INDEMNIFY, DEFEND, AND HOLD HARMLESS** the District and its trustees, officers, agents, representatives and employees (collectively, the “Indemnified Parties”) from and against, any and all claims, causes of action, liability, lawsuits, judgments, costs, liens, losses, expenses, fees (including reasonable attorney’s fees and costs of defense), proceedings, actions, demands, and suits of any kind and nature, including but not limited to, personal injury (including death), property damage, or other harm for which recovery

of damages is sought that may arise out of or be caused by the negligent or intentional act, error, or omission of Vendor, or that of its agent, officer, representative, employee, or sub-consultant (collectively "Vendor Affiliate") while in the exercise or performance of the rights or obligations under this Contract. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of the Indemnified Parties, in instances where such negligence causes personal injury, death, or property damage. In the event Vendor and/or a Vendor Affiliate and any Indemnified Party are found jointly liable by a Court of competent jurisdiction, liability shall be apportioned comparatively in accordance with the laws of the State of Texas, without, however, waiving any governmental immunity available to the District, its employees/officials under Texas law and without waiving any defenses of District its employees/officials under the Texas Tort Claims Act or other Texas law. Vendor shall promptly advise District, in writing, of any claim or demand against an Indemnified Party, Vendor and/or a Vendor Affiliate known to Vendor, related to or arising out of activities of Vendor and/or a Vendor Affiliate under this Contract. The provisions of this Section are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

**11.2 Intellectual Property Rights Indemnification.** Vendor shall INDEMNIFY, DEFEND, AND HOLD HARMLESS the District, its elected officials, employees, officers, and representatives harmless from and against any and all liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) for infringement of any patent, copyright or similar property right including, but not limited to, misappropriation of trade secrets and any infringement by Vendor and its employees and consultants, in connection with any license provided, any deliverable or any Service furnished hereunder, and used by either the District or Vendor within the scope of this Contract (unless said infringement results directly from Vendor's compliance with District's written standards or specifications).

**11.3 Defense Counsel.** In connection with any indemnification obligation in this Section 11, District, in its sole discretion shall have the right to approve or select defense counsel to be retained by Vendor in fulfilling its indemnity obligation hereunder, unless such right is expressly waived by District in writing. District reserves the right to provide a portion, or all of its own defense, at its own expense; however, District is under no obligation to do so. Any such action by District is not to be construed a waiver of Vendor's obligation to defend District or a waiver of Vendor's obligation to indemnify District pursuant to this Section. Vendor shall retain District-approved defense counsel within seven (7) business days of District's written notice that District is invoking its right to indemnification under this Contract. If Vendor fails to retain counsel within such time period, District shall have the right to retain defense counsel on its own behalf, and Vendor shall be responsible for all costs incurred by District until such time as the Vendor provides a defense.

**11.4 Indemnity Survival.** The provisions of this Section 11 are solely for the benefit of the parties hereto, and not intended to create or grant any rights, contractual or otherwise, to any other person or entity and the obligations herein shall survive the termination or expiration of this Contract.

## **12. Work On School District Campuses.**

**12.1 Notice Before Entry During School Hours and Decorum on District Campuses.** Vendor acknowledges that work may be performed in connection with an educational facility that is currently occupied and in use. It is imperative that Vendor's deliveries and/or performance of Services not interfere with, interrupt, disturb, or disrupt District's normal operations or facilities. During school hours, when entry is not made on an emergency basis, Vendor shall notify the District in advance and arrange an escort for Vendor's representative.

**12.2 Compliance with Campus Rules.** Vendor agrees to and shall comply with all rules, regulations and requirements of the District and the school campus on which work is to be performed, and shall take all steps necessary to protect and guard the safety of the employees, students and invitees of District. Vendor recognizes the ongoing school activities in proximity with its onsite activities shall result in the need for prompt and effective coordination of its Services with those involved in the ongoing use of the premises. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Vendor shall be responsible for the actions of its employees and its subcontractors. The

Vendor recognizes the site is a public-school campus, and will prohibit the possession or use of alcohol, controlled substances, tobacco, and any prohibited weapons on the site and shall require adequate dress of the Vendor's forces consistent with the nature of the work being performed.

13. **Criminal Background Checks.** Vendor shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, District Board Policy CH (Legal) and (Local), and other policies and administrative requirements relating to or arising from such statute and rule(s); shall ensure that no covered employee of Vendor or of any subcontractor [if authorized] with a disqualifying criminal history performs Services under the award at or for the District; and shall timely provide written certifications thereunder in such form and substance as requested by the District. Vendor understands that any failure to comply with the requirements of this Section may be grounds for termination of its Contract with the District.

14. **Relationship.** **This Contract does not constitute a joint venture or partnership of any kind between the parties hereto. In addition, the parties expressly understand and agree the provision of Goods and/or Services is and shall be considered independent contractor work performed by Vendor, using Vendor's own talents, contacts, tools, vehicles, and equipment, and that nothing in this Contract in any way creates an express or implied contract of employment between the District and Vendor. Vendor is not and shall not be an employee of the District for any purpose. Vendor is exclusively responsible for all administrative matters relating to its status hereunder or the Goods and/or Services, including without limitation, travel, lodging, and other expenses, any withholding and payment of all federal, state and local income taxes, FICA, FUTA, or other employment-related taxes, workers' compensation insurance, fringe benefit programs, or other benefits of any kind. Vendor represents that it is an independent contractor providing goods and/or services for hire similar to the Goods and/or Services to the general public, that it has full authority and capacity to enter into this Contract and provide the Goods and/or Services, and that execution or performance of this Contract by Vendor shall not violate any other agreement or covenant or any law.**

15. **Federal Edgar Provisions.** Vendor acknowledges in the event federal funds are used to fund the Goods and/or Services delivered under the Contract, Vendor will abide by all applicable federal laws, rules, and regulations, executive orders, and policies, procedures and directives applicable to the Contract, including but not limited to the following:

15.1 **Contractual Remedies.** Vendor agrees that it will comply with all administrative, contractual, legal remedies, sanctions, and penalties for violation or breach that are included in this Contract.

15.2 **Wage and Hour Requirements.** To the extent this Contract involves the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), which requires Vendor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. This provision will not apply to the District's purchases from Vendor of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

15.3 **Clean Air Act and EPA.** Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 -7671q) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387) and agrees to promptly notify the District of any violation.

15.4 **Debarment and Suspension.** Vendor has certified that neither the Vendor nor its principals were listed on the government-wide exclusions in the System for Award Management ("SAM") that neither the Vendor nor its principals are debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549 at the time this Contract was executed. Vendor further agrees on behalf of itself and its principals, to immediately provide written notification to the District if, at any time following execution of this Contract, Vendor or one of its principals learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances, or if Vendor or one of its principals is later listed on the government-wide exclusions in

SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Failure to notify the District of erroneous information within five (5) business days of change in circumstances shall be grounds for immediate termination, but termination of Vendor shall not be an election of remedy by the District.

15.5 Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352. Vendor confirms its certification to the District that:

A. No Federal appropriated funds have been paid or will be paid, by or on behalf of Vendor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

B. Vendor further certifies that if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Vendor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Vendor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., providing administrative remedies for false statements, apply to this certification and disclosure, and that this certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Finally, Vendor agrees that it will require the language of this certification be included in the award documents for all lower-tier contractors it hires, and that it will ensure all subcontractors make the same certification in connection with work done under the Contract. The certification in this Section is a material representation of fact upon which the District has placed its reliance.

15.6 Compliance with Mandatory Provisions of State Energy Conservation Plan. Vendor shall comply with the all mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201), if any.

15.7 Compliance with Solid Waste Disposal Act. If the District purchased the same item or items from the Vendor under this Contract, which were purchased by the District during the preceding fiscal year, and the prior purchase exceeded \$10,000, Vendor agrees that it will comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, where applicable, and that it will provide information and certifications required by the District confirming estimates and otherwise evidencing such compliance.

15.8 Equal Employment Opportunity Clause. Vendor represents, warrants and certifies that, during the performance of the Contract:

A. it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination;

B. it will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin;

C. it will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with Vendor's legal duty to furnish information;

D. it will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

E. it will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor;

F. it will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders;

G. in the event of Vendor's non-compliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations, or orders, the Contract may be canceled, terminated or suspended in whole or in part and the Vendor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law; and

H. it will include the provisions of paragraphs (A) through (G) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. Vendor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event Vendor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Vendor may request the United States to enter into such litigation to protect its interests.

15.9 Termination for Convenience. Notwithstanding any provision to the contrary contained in this Contract, if federal funds are used to fund the purchase represented by this Contract, the District reserves the right to terminate this Contract for convenience. In such event, the District agrees it will be responsible for all legitimate charges with respect to periods prior to the termination.

## 16. Miscellaneous.

16.1 Assignment/Delegation. Without the prior written consent of the other party, no party shall have right or power to assign this Contract in whole or in part, or to delegate or sub-contract any duties hereunder in whole or part. Any attempted assignment or delegation by Vendor shall be wholly void and ineffective for all purposes unless made in the conformity with this paragraph.

16.2 Governing Law and Venue. **THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND IS PERFORMABLE IN EL PASO COUNTY, TEXAS.**

16.3 No Waiver of Immunity. The District reserves, and does not waive, its rights of sovereign/governmental immunity and similar rights, immunities and rights of its officials and employees, under the Texas Tort Claims Act. Nothing herein shall be a consent to suit.

16.4 No Third-Party Beneficiaries. This Contract, and every provision thereof, shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns. No term or provision of this Contract shall benefit or obligate any person or entity not a party to it. The parties hereto shall cooperate fully in opposing any attempt by any third person or entity to claim any benefit, protection, release or other consideration under this Contract.

16.5 Context. Wherever the context shall require, the singular shall include the plural, and the male gender shall include the female gender and the neuter, and vice versa.

16.6 Attorney's Fees. In the event that either party brings an action to enforce or interpret any provision of this Contract, the prevailing party will be entitled to recover its costs and expenses including, without limitation, reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which it shall be entitled to receive, as determined by the trier of fact in such dispute.

16.7 Waiver. No waiver, change, modification or discharge by either party hereto of any provision of this Contract shall be deemed to have been made or shall be effective, unless expressed in writing and signed by the party to be charged. A waiver by either party of a breach of any of the terms, conditions, covenants or guarantees of this Contract shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either party to insist in any one or more cases upon the strict performance of any of the covenants of this Contract, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. No act or omission by a party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

16.8 Severability. Any provision, or part thereof, of this Contract held by a court of competent jurisdiction to be invalid or unenforceable shall not impair or invalidate the remainder of this Contract and the effect thereof shall be confined to the provision, or part thereof, so held to be invalid or unenforceable.

16.9 Time of Essence. Time is of the essence with respect to Vendor's obligations hereunder.

16.10 Public Records. Records relating to this Contract may be subject to disclosure pursuant to the Texas Public Information Act f/k/a Open Records Act, Section 552.001 et. seq. of the Texas Government Code. To the extent any of the Goods and/or Services under this Contract involve the exchange or creation of Public Information as defined by such Act, the Vendor shall make any such information, not otherwise exempted from disclosure under such Act, available in writing and electronically in Microsoft Word, Microsoft Excel and or Adobe Acrobat.

16.11 Notices. All notices to a party under this Contract shall be provided by certified mail, return receipt requested, to the address set forth for the respective party beneath its signature block in this Contract, or such other address as later provided by a party through written notice to the other party.

16.12 Advertising. Vendor shall not advertise or publish, without the District's prior consent, the fact that the parties have entered into this Contract, except to the extent necessary to comply with proper requests for information from a representative of the federal, state, or local government.

16.13 Right to Audit and Records Access. The District, or its authorized representative (including Texas Education Agency and the Comptroller General), shall be given reasonable access to records and rights to perform audits by the District's own personnel and/or an outside firm of consultants/auditors, in order to investigate the District's claims, the Services, and/or evaluate the performance of the Vendor. The Vendor agrees to provide full cooperation during this process. Performance of these functions shall be

conducted with proper notification per customary industry standards. Vendor agrees to maintain all required records for five (5) years after the District makes final payment and all other pending matters are closed.

16.14 Israel Certification. Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

16.15 Firearms Certification. The Vendor represents, warrants, and covenants to the District that the Vendor: (a) does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (b) will not discriminate against a firearm entity or firearm trade association during the term of this Contract. For purposes of this provision, the terms “firearm entity”, “firearm trade association” and “discriminate against a firearm entity or a firearm trade association” shall have the same meaning as set forth in Government Code Section 2274.001 et. seq.

16.16 Energy Company Certification. Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001, (a) does not boycott energy companies; and (b) will not boycott energy companies during the term of this Contract.

16.17 Entire Contract/Modification. **THIS CONTRACT IS THE FINAL, COMPLETE, AND ENTIRE CONTRACT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER AND SUPERSEDES ALL PRIOR COMMUNICATIONS, ORAL OR WRITTEN, BETWEEN THE PARTIES RELATING TO MATTERS HEREIN. THIS CONTRACT MAY BE MODIFIED OR RESCINDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY BOTH PARTIES TO THE CONTRACT BY AND THROUGH THEIR DULY AUTHORIZED AGENTS. Changes to this Contract may only be made by mutual written agreement of the parties, which must contain the authorized signature of the District's Superintendent or the President of the District's Board of Trustees.** No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this Contract shall not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. In the event of any conflict between this Contract and the General Terms and Conditions of the contract attached to the Solicitation Document, the terms of this Contract shall control.

[Signatures on next page]

EXECUTED as of the \_\_\_\_ day of \_\_\_\_\_, 2024.

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Diana Sayavedra, Superintendent

APPROVED AS TO FORM  
*[Handwritten Signature]*

By: \_\_\_\_\_  
Jeanne C. Collins, General Counsel  
**Signed: Tuesday, June 11, 2024**

ADDRESS FOR NOTICE:

El Paso Independent School District  
Attn: Superintendent  
1014 N. Stanton Street  
El Paso, Texas 79902

With Copy to:  
General Counsel  
El Paso Independent School District  
1014 N. Stanton Street  
El Paso, Texas 79902

VENDOR: PANORAMA EDUCATION INC.

*Michael Reynolds*  
By: \_\_\_\_\_  
Michael Reynolds, Senior Director, Legal

(Printed Name and Title)

06 / 12 / 2024

ADDRESS FOR NOTICE:

Panorama Education, Inc.  
24 School Street, 4<sup>th</sup> Floor  
Boston, MA 02108

**EXHIBIT "A"**  
**Goods to Be Delivered and Pricing**

**If Delivery By Unit Pricing:**

<b>Item Description</b>	<b>Unit</b>	<b>Units Required</b>	<b>Price Per Unit</b>	<b>Total Price</b>
Student Success Platform (District-wide: ~50,000 students)	Per Platform	1	\$213,750.00	\$213,750.00
Student Surveys & SEL Platform (District-wide: ~50,000 students)	Per Platform	1	\$71,250.00	\$71,250.00
Strategic Advising	1	1	\$15,000.00	\$15,000.00
On-Site Workshops (8 sessions)	Per Session	8	\$5,000.00	\$40,000.00
Additional Facilitators (2 Facilitators x 2 Days)	Per 2-facilitator add-on	2	\$3,000.00	\$6,000.00
Virtual Workshops (3) Train-the-Trainer	Per Session	3	\$1,500.00	\$4,500.00
Virtual Consultations (3)	Per Session	3	\$750.00	\$2,250.00
Family Surveys Platform (District-wide)	Per Platform	1	\$35,625.00	\$35,625.00
Staff Surveys Platform (District-wide)	Per Platform	1	\$35,625.00	\$35,625.00
			<b>TOTAL</b>	<b>\$424,000.00</b>

**Other Description of Goods To Be Delivered:** See Exhibit "B".

**EXHIBIT “B”**  
**Scope of Services and Deliverables**

**Scope of Services:**

Place(s) of Provision of Services:

District: District-wide across all schools (grades PK-12) to include access to central office personnel.

Date(s)/Period of Provision of Services:

August 16, 2024 through August 15, 2025

Description of Services:

The Vendor will provide District with two online all-in-one data platforms; the Student Success Platform and Student Surveys & SEL Platform which will be rolled out District-wide across all schools (PK-12). The programs provide actionable data and insight about health of District-wide Multi-Tiered Systems of Support (MTSS) practices across academics, attendance and behavior, in addition to the administration of a research-backed and validated Social-Emotional Learning (SEL) Growth Measure surveys.

**Student Success Platform (District-wide)**

- License fees for all schools and students District-wide (grades PK-12)
- Roster integration and nightly sync with Frontline/TEAMS SIS, iReady, mClass/Amplify, Texas STAAR, and other supported academic assessments.
- MTSS dashboards at the district-, school-, and student-levels with easy-to-navigate screens to disaggregate data by demographics and programs (e.g. 504, EB, IEP, ELL, Grade).
- Behavior analytics and reporting to deeply understand connections across Big 5 data at the district-school-, classroom- and student-levels.
- Intervention tracking and progress monitoring tools and MTSS dashboards to track effectiveness of each student support plan and intervention type.
- Ability to create Custom Reports to bring data sources together (interventions, etc.) and understand relationships between student outcomes and supports.
- Dedicated project team, strategic advising and technical support to facilitate program design, execution, and customized reporting.

**Student Surveys & SEL Student Growth Measure (District-wide)**

- License fees for all schools and students District-wide (grades PK-12)
- Online administration and reporting for Panorama’s Student SEL Surveys to serve as the District’s Student Growth Measure for SEL implementation. Research-backed and validated survey instruments, customized to district needs and priorities covering topics across school climate, culture, social-emotional learning and well-being.
- Ability to add custom questions and topic areas aligned to district-specific goals, priorities and initiatives. Robust, nationally normed reporting with dashboards at the district-, school-, classroom- and student-levels.
- Playbook of over 800 evidence-based, academic, attendance, behavior and SEL strategies to address opportunities for skill development.
- Dedicated project team, strategic advising and technical support to facilitate program design, execution and customized reporting.

### **Family & Staff Surveys Platform (District-wide)**

- **Research-Based Surveys:** The platform's surveys are designed to measure key factors influencing teacher well-being, engagement, and effectiveness.
- **Customizable Survey Content:** The platform allows for tailoring the survey content to the specific needs and goals of the educational institution.
- **Administration and Data Collection:** Intuitive interfaces and automated processes for administering surveys and collecting responses streamlined and efficiently.
- **Data Analysis and Reporting:** The platform generates comprehensive reports that offer actionable insights into various aspects of teacher well-being, professional development, and school climate.
- **Benchmarking and Comparison Tools:** The platform enables comparison of survey results to national benchmarks or to data from similar institutions, providing valuable context for interpretation.
- **Integration with Panorama's Ecosystem:** The platform integrates with Panorama's broader suite of tools for comprehensive school improvement, including student surveys and data management solutions.
- **Dedicated Support and Training:** Vendor provides ongoing support and training to ensure successful implementation and utilization of the platform.

### **Strategic Advising:**

- Strategic Advising that includes bi-weekly or monthly meetings with a professional learning advisor. Sessions include:
  - Taking stock of existing systems and identify priorities for embedding the Student Success platform into MTSS, RtI and House Bill 4545 processes
  - Defining key implementation milestones, curating and co-creating resources, and designing scope and sequence of professional learning; and
  - Monitoring learning outcomes and exploring strategies to strengthen rollout.

### **OnSite Workshop (8) & Additional Facilitators**

- Full days of In-person On-Site Workshops with up to 6 hours of facilitation per day for up to 50 participants
- 2 Additional trainers to assist with on-site workshops (2 facilitators X 2 days)

### **Virtual Workshops (3) Train-the-Trainer**

- 3 virtual workshops up to 2-hrs each for up to 50 participants per session

### **Virtual Consultations (3)**

- 3 customized, small group sessions for school leader teams rooted in specific data and context. Session will deepen understanding of Panorama tools.

Workshop Sessions can include, but are not limited to those outlined in the following table:

Session	Description (examples)
Introduction to Student Success	<b>Part 1: Refresher &amp; Power User Tips</b>

	<ul style="list-style-type: none"> <li>• <b>Recap: Key Features of Student Success:</b> A quick review of the platform's essential tools, focusing on the features most relevant to classroom teachers.</li> <li>• <b>Streamlining Your Workflow:</b> Explore time-saving tips, shortcuts, and customization options to make Panorama an even more efficient part of your daily routine.</li> <li>• <b>Data at Your Fingertips:</b> Learn how to access and interpret student data (STAAR scores, attendance, behavior, etc.) in ways that directly inform your instructional decisions.</li> <li>• <b>Beyond the Basics:</b> Discover advanced features like creating custom student groups, setting up personalized alerts, and using the platform's reporting capabilities for deeper insights.</li> </ul>
Panorama for MTSS/RtI	<p><b>Part 2: MTSS/RtI in Action</b></p> <ul style="list-style-type: none"> <li>• <b>Targeting Interventions:</b> Practice filtering and grouping students based on a variety of attributes to identify those who need additional support.</li> <li>• <b>Individual &amp; Group Interventions:</b> Learn how to create, implement, and monitor both individual and group intervention plans, ensuring they are aligned with your school's MTSS framework.</li> <li>• <b>Progress Monitoring Made Easy:</b> Explore the intervention dashboards, track student progress, and use data to evaluate the effectiveness of your interventions.</li> <li>• <b>Collaboration in Panorama:</b> Discover how to collaborate with colleagues, share intervention strategies, and document student progress within the platform.</li> </ul>
Panorama for House Bill 4545	<p><b>Part 3: House Bill 4545 &amp; Panorama</b></p> <ul style="list-style-type: none"> <li>• <b>Accelerated Instruction with Panorama:</b> Deep dive into using the platform to identify students needing accelerated instruction based on STAAR scores and other factors.</li> <li>• <b>Tutoring Plans in Practice:</b> Create and manage tutoring plans for both individual students and groups, tracking progress towards the 30-hour requirement.</li> <li>• <b>Documentation &amp; Compliance:</b> Ensure you're meeting all House Bill 4545 documentation requirements within Panorama, streamlining the process and saving you valuable time.</li> </ul> <p><b>Session Support</b></p>

	<ul style="list-style-type: none"> <li>• <b>Q&amp;A and Troubleshooting:</b> An open forum for teachers to ask questions, share challenges, and get expert support on using Panorama effectively.</li> </ul>
--	--

**Deliverables:**

<b>Report or Other Deliverable</b>	<b>Expected Delivery Date</b>
<b>Panorama Annual License Fee: Student Success Platform (District-wide: ~50,000 students)</b>	<b>Aug.16, 2024</b>
<b>Panorama Annual License Fee: SEL Student Growth Measure (District-wide: ~50,000 students)</b>	<b>Aug. 16, 2024</b>
<b>Family &amp; Staff Surveys Platform (District-wide)</b>	<b>Aug. 16, 2024</b>
<b>Project Management: Strategic Advising</b>	<b>Aug. 16, 2024</b>
<b>OnSite Workshops (8) with additional trainers</b>	<b>Aug. 16, 2024 –Aug. 15 2025 at District Discretion</b>
<b>Virtual Workshops (3) - Train the Trainer</b>	<b>Aug. 16, 2024 –Aug. 15 2025 at District Discretion</b>
<b>Virtual Consultations (3)</b>	<b>Aug. 16, 2024 –Aug. 15 2025 at District Discretion</b>

**EXHIBIT "C"**  
**Compensation**

**Compensation** [mark/complete one or more as applicable]:

N/A \$ \_\_\_\_\_ (Lump Sum/Fixed Price)

N/A Payable at completion.

N/A Quarterly Payments of \$ \_\_\_\_\_ beginning \_\_\_\_\_.

N/A Payable as follows:

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

N/A \$ \_\_\_\_\_ per \_\_\_\_\_, (with a not to exceed cap of \$ \_\_\_\_\_)

N/A \$ \_\_\_\_\_ per hour, (with not to exceed cap of \$ \_\_\_\_\_, based on rates below)  
payable monthly based upon hours and types of Goods and Services provided and documented in invoice.

X Other [please explain]: District will pay \$424,000.00 within 30 days after receipt of invoice.

**Expenses:** [Description]: N/A

---

**Total Compensation for Goods and Services Permitted under this Contract:** \$424,000.00.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS CONTRACT IS CONDITIONED UPON THE COMPENSATION FOR THE INITIAL TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS CONTRACT IS VOID.**

**ADDITIONALLY, FOR THE TERM OF THIS CONTRACT, THIS CONTRACT IS CONTINGENT UPON ITS UNDERLYING PROCUREMENTS (HARRIS COUNTY CHOICE PARTNERS CONTRACT #21/031KN-44) BEING VALID FOR THE ENTIRE CONTRACT AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**

<b>Title</b>	Panorama   EPISD: 2024-25 Renewal Contract
<b>File name</b>	Panorama__EPISD__...vices__Clean_.pdf
<b>Document ID</b>	33106273ca43bf95498aaacad46001738f1b148e
<b>Audit trail date format</b>	MM / DD / YYYY
<b>Status</b>	● Signed

### Document History



SENT

**06 / 12 / 2024**

19:18:02 UTC

Sent for signature to Panorama Education  
(contracts@panoramaed.com) from khazel@panoramaed.com  
IP: 71.232.153.46



VIEWED

**06 / 12 / 2024**

19:27:34 UTC

Viewed by Panorama Education (contracts@panoramaed.com)  
IP: 38.126.9.185



SIGNED

**06 / 12 / 2024**

19:27:57 UTC

Signed by Panorama Education (contracts@panoramaed.com)  
IP: 38.126.9.185



COMPLETED

**06 / 12 / 2024**

19:27:57 UTC

The document has been completed.



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Expenditures to Kids Excel El Paso, Inc., Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC) Contract #24-7474, Consulting, Instructional, and Training Resources (Budgeted Local Funds - \$154,000.00)*

**JUSTIFICATION STATEMENT:**

(To continue to provide EPISD students with access to high quality arts education and bolster self-esteem)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Vince Sheffield/Phillip Barraza and/or Haydee Pena

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

The Interlocal Cooperative Agreement is one of seven (7) approved purchasing methods identified by the Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Superintendent shall also be authorized to approve budgeted purchases of materials and supplies utilizing an Interlocal Cooperative Agreement contract up to \$100,000.00 per vendor in the aggregate of a twelve (12) month period."

The Kids Excel El Paso, Inc., program addresses students' needs by teaching fundamental values of determination, discipline, and excellence through a dance program recognized by the National Dance Institute. The program offers a comprehensive school year program, including live dance and music instruction, and a performance at the end of the year.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve expenditures to Kids Excel El Paso, Inc., utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC) Contract #24-7474, Consulting, Instructional, and Training Resources, in the amount of \$154,000.00, through May 16, 2025, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget.

**FUNDING SOURCE:** Budgeted Local Funds **ACCOUNT NO.:** 199.11.6299.XXX.11.100.831

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$154,000.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Upon approval

**COMMENTS RECEIVED, IF ANY:**

None

**ATTACHMENTS:**

Description

- ▢ Coop Contract Information
- ▢ Signed Contract

**EDUCATION SERVICE CENTER REGION 19 ALLIED STATES COOPERATIVE**  
**RFP AWARD SUMMARY**

**RFP TITLE:** Consulting, Instructional, and Training Resources – ESC Region  
19 Allied States Cooperative  
**RFP NUMBER:** 24-7474  
**RFP OPENING DATE:** October 17, 2023  
**CONTRACT TERM:** Date of award until December 31, 2024, with 4 annual extension  
options.  
**FUNDING SOURCE:** Various  
**RFP's ISSUED:** 1,801  
**RESPONSES:** 152  
**ADVERTISEMENT DATES:** El Paso Times – September 18, 2023 & September 25, 2023

**RECOMMENDED FOR AWARD:** 2ove1, LLC (John C. Harre JR)  
4D Works LLC / Mike Desparrois Consulting  
4mativ Technologies  
4QM Teaching  
Accelerate Learning Inc.  
AccuCut LLC  
Adriana Alvarez \*updated 1/23/2024  
Apperson, Inc.  
Applied Practice (Propel Education Strategies, Inc.)  
Asteria Education, Inc. dba ECS Learning Systems (Asteria  
Learning Inc)  
Avant Assessment  
B.E. Publishing  
Back 2 School Texas, L.L.C. (Paul Alex Islas)  
Ballard & Tighe, Publishers (Educational IDEAS, Inc)  
BattleQuestions.com (Donna McAlonen)  
Be Glad LLC  
Bedford, Freeman & Worth Publishing Group, LLC  
(Macmillan Holdings LLC)  
Bellwether Media  
BlueWonder Creative  
BookNook Inc.  
Bound To Stay Bound Books, Inc.  
Braintrust Tutors  
C/Q International, LLC (Marisa Quintanilla) (HUB)  
Care Behavioral Health, LLC  
Carnegie Learning, Inc.  
Children's Plus, Inc.  
Committee for Children  
Complete Book and Media Supply, LLC (HUB)  
Comprehensive Training Center (HUB)  
CompTIA (The Computing Technology Industry Association,  
Inc)  
Constructive Playthings (U.S. Toy Company, Inc.)  
Crabtree Coaching Collaborative (Alissa Crabtree)  
Creative Mathematics (Kimberly Sutton)  
Crisis Prevention Institute, Inc.  
Crowning Point LLC  
Dallas Ecological Foundation (Outdoors Tomorrow  
Foundation)

Delaney Educational Enterprises  
 DreamBox Learning Inc.  
 Dual Language Education of New Mexico  
 E3 Alliance  
 Education Elements  
 Educational Research Institute (ERI Funding Group, Inc.)  
 (HUB)  
~~Eduspark, Inc.~~ \*updated 1/23/2024  
 Emily Iland Inc  
 Engage! Learning Inc. (engage2learn)  
 EPS Operations, LLC (EEP-EPS Holdings, LLC)  
 Expedited Reports (Alexis Arceo)  
 Filo Edtech (Filo Edtech Inc.)  
 Flinn Scientific, Inc.  
 Footsteps2Brilliance, Inc.  
 Forethought Essentials LLC (Kimberly Harmon Welch)  
 Frenalytics (Think Group Holdings, Inc.)  
 friEdTechnology (HUB)  
 Garro Behavior Consulting (Joan Marie Rickerl Garro)  
 getpoms.com (Michele Summerall)  
 Gumdrop Books (Central Programs Inc.)  
 Happy and Fun Lifestyle LLC (Lisa Caprelli, Children's  
 Author, Speaker) (Lisa Caprelli Solomon)  
 Harry K. Wong Publications, Inc.  
 Hatch, Inc  
 HMH-NWEA (NWEA, a division of Houghton Mifflin Harcourt  
 Publishing Company)  
 IEP Curriculum and Consulting, LLC (Michael P Soria)  
 ILO Group LLC  
 Instructional Empowerment, Inc. (Learning Services  
 International and The Marzano Evaluation Center)  
 Josh Shipp Productions, LLC (Top Youth Speakers)  
 JROTC Dog Tags, Inc  
 Kagan Professional Development  
 Kajitani Education (Alex Kajitani)  
 Kamico Instructional Media, Inc. (HUB)  
 Kaplan Early Learning Company  
 Keystone Books and Media  
 Kids Excel El Paso Inc.  
 Lakeshore Learning Materials, LLC (Lakeshore Parent, LLC)  
 Learner's Edge Consulting (Tara M. Brown)  
 Learning Farm, LLC.  
 Learning Without Tears (No Tears Learning)  
 Loom Consulting (HUB)  
 Loving Guidance LLC (Conscious Discipline Holdings, LLC)  
 LumenKind  
 Mamba GaGa, LLC  
 Marzano Resources, LLC  
 Math & Science Cut Ups (Integral Mathematics, Inc.) (HUB)  
 MindRise Learning  
 n2y, LLC  
 National Science Teachers Association-NSTA  
 Nearpod Inc.  
~~New Horizons Computer Learning Centers, Inc.~~ \*updated 5/15/24

New Horizons Learning, LLC  
New Teacher Center  
Nextec Inc.  
Okapi Educational Publishing  
Onofre & Associates INC.  
Ori Learning (SpecialNeedsWare, Inc)  
Pacific Learning  
Perma-Bound Books. (Hertzberg-New Method, Inc.)  
Platinum Consulting Services (HUB)  
Playlearn USA Inc.  
Positive Directions Co  
Progress Learning LLC  
ProSolve LLC  
QEP Professional Books (QEP, Inc.)  
Quill Corporation (Staples, Inc.)  
Rainbow Book Company (Rainbow Books, Inc. dba Rainbow  
Book Company of Illinois)  
Readable English  
Real OT Solutions, Inc.  
Really Good Stuff, LLC.  
Really Great Reading Company, LLC  
Renaissance Learning, Inc.  
Responsive Learning, LP  
Rev it Up! Consulting Group (Rev it Up! Consulting Group,  
LLC) (HUB)  
Richard C. Owen Publishers, Inc.  
Richards Lindsay & Martin, LLP  
Rigged In Your Favor (Leticia M. Salas)  
Ripple Effects (Ripple Effects, Inc.)  
Russell's Educational Consulting (Hazel Russell)  
Salas Music (Salas Music Publishing and Production/Angel  
Music) (Arturo Salas Salas)  
Sandviks HOP, Inc. (Hooked on Phonics)  
Savvas Learning Company LLC (Gateway Education  
Holdings LLC)  
Scholastic Book Fairs  
School Specialty LLC  
Seidlitz Education  
Sirius Education Solutions (Sirius Education Solutions LLC)  
Solution Tree, Inc.  
Southwest Training Systems Inc.  
Summit K12 Holdings, Inc  
~~Sweet Pipes (BRBM Publishing LLC)~~ \*updated 1/23/2024  
TAG2: The Art of Continuous Growth  
TCASE Services by Design (TCASE Services, Inc.)  
Teachers Discovery Inc (American Eagle Inc.)  
Teaching Strategies, LLC (UTJ Holdco, Inc.)  
Textbook Warehouse (Textbook Warehouse, LLC)  
Think Big Learning  
Thinking Maps, Inc.  
Threads of Love LLC  
Tutorfly (Tutorfly Holdings Inc.)  
UWorld LLC  
XanEdu Publishing, linc.

**Xello Inc.**  
**Ztastic Solutions, LLC**  
**\$50,000,000.00/year**

**TOTAL (estimated)**

**EXPLANATIONS:**

Award of this solicitation will enable ESC Region 19 - Allied States Cooperative (ASC) to establish a contract with vendor(s) for Consulting, Instructional, and Training Resources for those procurements made with federal, state or local funds. Evaluation and award recommendation were based on 70% pricing and 30% references. The awarded vendors' pricing and information can be found on the Award Detail spreadsheet. Dantek Systems, Maria de Jesus Ortiz, MGT of America Consulting LLC, Positive Behavior Supports Corp (Positive Behavior Supports), Sandra Garcia-Salcido, and Tuatara Consulting Inc. submitted a proposal however were not considered; vendors do not meet the scope of work. Dr. M. Aguilar Educational Consulting (Magdalena Aguilar) withdrew their submittal. Gillem Staffing (Gillem Speech - Language Pathology Services LLC) submitted a "No Bid" response and do not meet the scope of work. Adventures in Learning / AIL Products (Gregory Dale Laufer), Corwin Press, Discount School Supply (Earlychildhood LLC), Edmentum, ETA hand2mind (hand2mind, Inc.), Forde-Ferrier LLC, and World Book, Inc. submitted a proposal however were not considered; vendors did not meet the requirements of the bid regarding reporting and/or administrative fees. Adriana Alvarez and Eduspark, Inc. were removed from award for failure to submit insurance as per the bid requirements. Sweet Pipes (BRBM Publishing LLC) submitted a proposal however was not considered; vendor did not accept award due to our reporting terms and conditions.

**SPECIFICATIONS, PREPARATION AND EVALUATION PROVIDED BY:**

Rebecca Hernandez – ESC Region 19

Andrea Amiri – ESC Region 19

Patty Delgado - ESC Region 19

**Special Conditions**

1. Vendors awarded this contract will be utilized on an as-needed basis.
2. This RFP is for services and/or products. Vendors do not need to provide both to be considered for award.
3. This RFP is not for routine office supplies.
4. Pricelist/catalog must be submitted with response. Failure to provide pricing information may result in disqualification.
5. ASC members may require vendors to complete criminal background checks at their discretion. The cost for background checks is the responsibility of the vendor and should not be charged to the member.
6. ASC members may require vendors to sign a separate contract.

**Approved By:** \_\_\_\_\_  
**Dr. Armando Aguirre**

**Date:** \_\_\_\_\_  
**November 28, 2023**

**VENDOR CONTRACT**  
**(Services Only)**

THIS VENDOR CONTRACT FOR SERVICES (this "Contract") is between KIDS EXCEL EL PASO, INC. (the "Vendor") and the EL PASO INDEPENDENT SCHOOL DISTRICT ("District"). The Effective Date of this Contract is August 19, 2024 regardless of when executed. For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

**1. Term, Scope, Delivery and Standard of Care.**

1.1 Term. The term of this Contract shall be for a period from August 19, 2024 through May 16, 2025, [with 0 year(s) annual renewal(s)] unless earlier terminated in accordance with this Contract. Annual renewals, if any, shall be at the sole discretion of the District.

1.2 Non-Appropriation. In the event the Contract is awarded for a term greater than one year or extending beyond the District's current budget period, it will be subject to approval at the commencement of each of the District's budget years. Vendor agrees that the District has the continuing right to terminate this Contract without notice at the end of a District budget period in which funds for this Contract are not appropriated. In such event the Contract may be terminated as soon as practicable after the event of non-appropriation or upon 30-days' prior written notice whichever provides the longest notice.

1.3 Delivery. Vendor agrees to provide Services listed and described in Exhibit "A," which is attached hereto and incorporated herein by reference for all purposes (collectively, the "Services"). Nothing contained in this Contract shall require District to pay for any unsatisfactory Services, as determined by District's representative, or for Services which do not comply with the terms of this Contract.

1.4 Standard of Care. Vendor represents, covenants, and warrants that it will devote its good faith, best efforts in provision of the Services and will provide the Services with reasonable care and skill and in a good and workmanlike manner. Services will be provided in a manner consistent with industry standards and will conform to the required specifications set out herein, and shall be delivered in compliance with all applicable laws, rules, and regulations, with District policies and procedures, and consistent with industry standards.

**2. Cancellation/Termination.**

2.1 Termination. This Contract may be terminated as follows: (a) by either party in the event of material breach of this Contract by the other party which continues more than thirty (30) days after written notice of default from the non-breaching party to the breaching party; or (b) by the District at its option: (i) if Vendor fails, as determined by the District's representative, to satisfactorily perform the duties set out in this Contract, comply with any covenant herein required or breach any warranty provided herein; becomes insolvent, files or has filed against it a petition in bankruptcy, proposes or accomplishes any dissolution, liquidation, composition, financial reorganization or recapitalization with creditors; (ii) if a receiver, trustee, custodian, or similar agent is appointed or takes possession of any property or business of Vendor; (iii) if, at the expiration of each District budget period occurring during the term of this Contract, funds for this Contract are not appropriated as provided in Section 1.2 above; or (iv) with or without cause upon thirty days prior written notice from the District to Vendor. In the event of early termination of the Contract for any reason, the total compensation which may be claimed by Vendor under this Contract shall be limited [subject to other limitations in this Contract or applicable law] to the payment for the Services timely provided by the date of termination.

2.2 Effect. Within forty-five (45) calendar days of the effective date of completion, or termination or expiration of this Contract, Vendor shall submit to District its claims, in detail, for the monies owed by District for Services satisfactorily performed under this Contract through the effective date of termination. **Failure by Vendor to submit its claims within forty-five (45) calendar days shall negate any liability on the part of District and constitute a waiver by Vendor of any and all right or claims to collect monies that Vendor may rightfully be otherwise entitled to for Services satisfactorily performed under this Contract.** Regardless of how this Contract is terminated, Vendor shall effect an orderly transfer

to District or to such person(s) or firm(s) as the District may designate, at no additional cost to District. Upon the effective date of expiration or termination of this Contract, Vendor shall cease all operations of Services being performed by Vendor, or any of its subcontractors, pursuant to this Contract. All completed or partially completed documents, papers, records, charts, reports, and any other materials or information produced, or provided to Vendor, in connection with the Services rendered by Vendor under this Contract, regardless of storage medium, shall be transferred to District. Such record transfer shall be completed within thirty (30) calendar days of the termination date and shall be completed at Vendor's sole cost and expense. Payment of compensation due or to become due to Vendor is conditioned upon delivery of all such documents.

3. **Right to Assurance.** Whenever the District in good faith has reason to question the Vendor's intent to perform, the District may demand that the Vendor give written assurance of its intent to perform. In the event that a demand is made and no assurance is given within five business (5) days, the District may treat this failure as an anticipatory repudiation of the Contract.

4. **Remedies.** In the event of default of this Contract by Vendor, the District shall have all of, and may exercise one or more of, the following rights and remedies: (a) the right to recover damages; (b) the right to seek injunctive relief; (c) the right to seek declaratory relief; (d) the right to off-set and/or retain from payments otherwise due to Vendor damages, fees, and costs sustained or incurred by the District in connection with such breach; (e) the right to terminate this Contract as provided herein; and (f) any of its rights and remedies in law or equity. In no event shall District's action of terminating this Contract, whether for cause or otherwise, be deemed an election of District's remedies, nor shall such termination limit, in any way, at law or at equity, District's right to seek damages from or otherwise pursue Vendor for any default hereunder or other action.

5. **Force Majeure.** If by reason of Force Majeure (i.e. acts of God, strikes, lockouts, or other industrial disturbances, etc.), either party hereto shall be rendered unable, wholly or in part, to carry out its obligations under this Contract, then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

6. **Warranties.**

6.1 **Express Warranties.** Vendor expressly represents, warrants and covenants, that:

(i) Vendor will devote its good faith, best efforts in performing the Services.

(ii) Vendor has and will maintain sufficient financial condition, working capital, experience, expertise, personnel, licenses, certifications, and authority to provide the Services, that it will provide copies of its licenses and certifications to the District upon request, and will comply with the vendor ethics policies of the District.

(iii) The Services to be provided will adequately address the Scope of Services set forth in this Contract and its exhibits, as well as the District's Request for Qualifications, Request for Proposal, Request for Competitive Sealed Proposal, or other solicitation by the District for the Services contracted for herein ("Solicitation Document").

(iv) The Services shall be delivered in compliance with all applicable laws, rules, and regulations, with District policies and procedures, and consistent with industry standards.

6.2 **Implied Warranties.** No implied warranties for Services provided in connection with this Contract are waived modified or excluded by any provision of this Contract, or any terms and conditions included in any document prepared by the Vendor, and any provision so intended, or interpreted shall be treated as void *ab initio*.

6.3 **No Warranties by District.** No review, consent, or approval by the District of any documents prepared by Vendor shall constitute a representation or warranty by the District of the legality, suitability, or quality of the same or content thereof.

6.4 **Reservation of Rights.** The District reserves the right to use its own staff or any other third-party to provide the same or similar services to the Services described herein.

7. **Tax Exemption.** The District is exempt from Federal Excise, State or City Sales Tax under State Law and such obligations are included in the price under this Contract. The District will furnish a tax exemption certificate, if required.

8. **Invoicing and Payment.** Compensation for Vendor is set forth on Exhibit "B," attached hereto and incorporated herein. Except as otherwise provided in Exhibit "B," Vendor shall invoice the District on or before the thirtieth (30<sup>th</sup>) day of each month, for the Services performed during the preceding month at rates set forth on Exhibit "B." If permitted as a separate charge in Exhibit "B," Reimbursable Expenses will be itemized separately, and documented by receipts for invoicing purposes. Invoices for Services shall not include Federal Excise, State or City Sales Tax for which an Independent School District is exempt under State Law. The District shall furnish a tax exemption certificate, if required. The aggregate compensation from the District to Vendor for the Services shall not exceed the maximum figure stated in Exhibit "B." Vendor shall not be entitled to receive payments or amounts under the Contract in excess of the amounts appropriated for the then-current budget period of the District. The District shall make payment to the Vendor for amounts determined to be properly due, not later than thirty (30) days after its receipt of the Vendor's invoice or as required by the Texas Prompt Payment Act (Chapter 2251 of the Texas Government Code) or its successor. The maximum interest rate on any past due payments by the District to Vendor shall be limited to the rate provided by Section 2251.025 of the Texas Government Code or its successor. The District shall not be required to make any payments to Vendor at any time Vendor is in default under this Contract.

9. **Confidential/Proprietary Information.**

9.1 **Confidential/Proprietary Information.** Vendor understands that, during the term of this Contract, Vendor will have access to certain information belonging to the District and designated as confidential by the District or not generally known by non-District personnel (collectively, the "Confidential Information"). During the term of this Contract and at all times thereafter, Vendor shall not, without the prior written consent of the District, do any of the following, directly or indirectly: (a) use any of the Confidential Information for Vendor's own purposes or for the purposes of any person or entity other than the District; and/or (b) disclose any of the Confidential Information to any third party, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Vendor further shall take all steps necessary to prevent disclosure of Confidential Information by any other person or entity, during the term of this Contract and at all times thereafter, without the prior written consent of the District. All data, disks, lists, financial records, other records, documents, property, information, specifications, and materials of the District relating to the Services, which are provided to Vendor during the term of this Contract, as well as all copies thereof (collectively, the "Materials"), shall be and remain the sole and exclusive property of the District. None of the Materials shall be retained by Vendor, or shall be transmitted to anyone at any time, either now or in the future, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Upon termination of this Contract, or upon request by the District, Vendor shall promptly return the Materials to the District. The Materials are included within the definition of Confidential Information. Vendor further agrees that, if it receives information or records concerning any student, it shall not disclose the same, except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA.

9.2 **Intellectual Property Rights.** If Vendor, as part of the Scope of Services of this engagement, will be working with the District [all references to Vendor and District in this paragraph shall include their respective agents, employees and representatives] to create and/or develop materials or other work products, including visual, audio, written and graphic material, and all of Vendor's contributions to the creation or development of the resulting work product (collectively, the "Resulting Work Product"), for which the Vendor will receive any consideration provided in this Contract, the Resulting Work Product, and any

state or federal trademark rights, copyrights, patents or other intellectual property rights associated with the Resulting Work Product (collectively, the "Intellectual Property Rights"), will at all times remain the exclusive property of the District. Vendor agrees to assist the District in any way necessary, including executing any assignments or other documents, required to document the District's ownership rights in the Resulting Work Product and the associated Intellectual Property Rights, as applicable; including taking any action necessary for the District to secure state or federal registration of its Intellectual Property Rights in the name of the District. No separate or additional consideration, other than the consideration paid under this Contract, will be provided by the District for any provision of any assignments or conveyance of the Resulting Work Product, or of Intellectual Property Rights associated with the Resulting Work Product. The Vendor shall assure that its authorized subcontractors or agents, not under its control as employees, are aware of this provision and are contractually bound thereby.

**10. Vendor Records and Retention.** The District or its authorized representative shall be afforded unrestricted access to and be permitted to inspect and copy all of the Vendor's records, which shall include but not be limited to accounting records (hard copy as well as computer readable data), correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to this Contract. The Vendor shall preserve all such records for a period of five (5) years after the District makes final payment and all other pending matters are closed, or for such longer period as may be required by law, after final payment under this Contract, including any extension thereof. To the extent that the requirements of 2 CFR § 200.333 apply to the Contract, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award, must be retained for the Vendor for only the period required by 2 CFR § 200.333 and the five (5) year requirement of this provision shall apply to all other documents. If no federal funds are expended by the District for the Contract, the five (5) year retention requirement provided herein will apply.

For a Contract involving at least \$1 million in Services, the following provision shall apply: Vendor shall preserve for the duration of this Contract all "contracting information" within the meaning of Texas Government Code Section 552.003(7) et. seq. relating to this Contract (the "Contracting Information") as provided by the records retention requirements applicable to the District. Vendor shall provide to the District, upon its request, any Contracting Information that is in the custody or possession of Vendor. Upon completion of this Contract, Vendor shall either provide at no cost to the District all Contracting Information in the custody or possession of Vendor or instead preserve all Contracting Information as provided by the records retention requirements applicable to the District. Pursuant to Texas Government Code Section 552.372(b), the following notice is given to Vendor: The requirements of Subchapter J, Chapter 552, Government Code, may apply to this Contract, and Vendor agrees that the Contract can be terminated if Vendor knowingly or intentionally fails to comply with a requirement of that Subchapter.

**11. Indemnification.**

**11.1 General Indemnification. VENDOR AGREES TO INDEMNIFY, DEFEND, AND HOLD HARMLESS THE DISTRICT AND ITS TRUSTEES, OFFICERS, AGENTS AND EMPLOYEES (COLLECTIVELY, THE "INDEMNIFIED PARTIES") FROM AND AGAINST, ANY CLAIM, CAUSE OF ACTION, LOSS, LIABILITY OR REASONABLE EXPENSE, (INCLUDING ATTORNEY'S FEES, AND OTHER FEES, COURT COSTS AND OTHER COSTS), INJURIES, DAMAGES, HARM, OR OTHER LOSS, ARISING DIRECTLY OR INDIRECTLY, IN WHOLE OR IN PART FROM BREACH OF THIS CONTRACT BY VENDOR, NEGLIGENCE, INTENTIONAL, OR OTHER ACTIONS OR INACTIONS OF VENDOR, ITS OWNERS, DIRECTORS, OFFICERS, AGENTS, EMPLOYEES, SUBCONTRACTORS OR SUPPLIERS, OR ARISING, IN WHOLE OR IN PART, OUT OF A DEFECTIVE PRODUCT, NEGLIGENCE INTENTIONAL, OR OTHER OPERATIONS OR SERVICES OF VENDOR, ITS OWNERS, DIRECTORS, OFFICERS, AGENTS, EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS UNDER THIS CONTRACT.** Vendor shall promptly advise the District, in writing, of any claim or demand against the District or Vendor known to Vendor related to or arising out of Vendor's activities under this Contract.

**11.2 Intellectual Property Rights Indemnification.** Vendor shall INDEMNIFY, DEFEND, AND HOLD HARMLESS the District, its elected officials, employees, officers, and representatives harmless from and against any and all liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) for infringement of any patent, copyright or similar property right including, but not limited to, misappropriation of trade secrets and any infringement by Vendor and its employees and consultants, in connection with any license provided, any deliverable or any Service furnished hereunder, and used by either the District or Vendor within the scope of this Contract (unless said infringement results directly from Vendor's compliance with District's written standards or specifications).

**11.3 Defense Counsel.** In connection with any indemnification obligation in this Section 11, District, in its sole discretion shall have the right to approve or select defense counsel to be retained by Vendor in fulfilling its indemnity obligation hereunder, unless such right is expressly waived by District in writing. District reserves the right to provide a portion, or all of its own defense, at its own expense; however, District is under no obligation to do so. Any such action by District is not to be construed a waiver of Vendor's obligation to defend District or a waiver of Vendor's obligation to indemnify District pursuant to this Section. Vendor shall retain District-approved defense counsel within seven (7) business days of District's written notice that District is invoking its right to indemnification under this Contract. If Vendor fails to retain counsel within such time period, District shall have the right to retain defense counsel on its own behalf, and Vendor shall be responsible for all costs incurred by District until such time as the Vendor provides a defense.

**11.4 Indemnity Survival.** The provisions of this Section 11 are solely for the benefit of the parties hereto, and not intended to create or grant any rights, contractual or otherwise, to any other person or entity and the obligations herein shall survive the termination or expiration of this Contract.

## **12. Work On School District Campuses.**

**12.1 Notice Before Entry During School Hours and Decorum on District Campuses.** Vendor acknowledges that work may be performed in connection with an educational facility that is currently occupied and in use. It is imperative that Vendor's deliveries and/or performance of Services not interfere with, interrupt, disturb, or disrupt District's normal operations or facilities. During school hours, when entry is not made on an emergency basis, Vendor shall notify the District in advance and arrange an escort for Vendor's representative.

**12.2 Compliance with Campus Rules.** Vendor agrees to and shall comply with all rules, regulations and requirements of the District and the school campus on which work is to be performed, and shall take all steps necessary to protect and guard the safety of the employees, students and invitees of District. Vendor recognizes the ongoing school activities in proximity with its onsite activities shall result in the need for prompt and effective coordination of its Services with those involved in the ongoing use of the premises. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Vendor shall be responsible for the actions of its employees and its subcontractors. The Vendor recognizes the site is a public-school campus, and will prohibit the possession or use of alcohol, controlled substances, tobacco, and any prohibited weapons on the site and shall require adequate dress of the Vendor's forces consistent with the nature of the work being performed.

**13. Criminal Background Checks.** Vendor shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, District Board Policy CH (Legal) and (Local), and other policies and administrative requirements relating to or arising from such statute and rule(s); shall ensure that no covered employee of Vendor or of any subcontractor [if authorized] with a disqualifying criminal history performs Services under the award at or for the District; and shall timely provide written certifications thereunder in such form and substance as requested by the District. Vendor understands that any failure to comply with the requirements of this Section may be grounds for termination of its Contract with the District.

14. **Relationship.** This Contract does not constitute a joint venture or partnership of any kind between the parties hereto. In addition, the parties expressly understand and agree the provision of the Services is and shall be considered independent contractor work performed by Vendor, using Vendor's own talents, contacts, tools, vehicles, and equipment, and that nothing in this Contract in any way creates an express or implied contract of employment between the District and Vendor. Vendor is not and shall not be an employee of the District for any purpose. Vendor is exclusively responsible for all administrative matters relating to its status hereunder or the Services, including without limitation, travel, lodging, and other expenses, any withholding and payment of all federal, state and local income taxes, FICA, FUTA, or other employment-related taxes, workers' compensation insurance, fringe benefit programs, or other benefits of any kind. Vendor represents that it is an independent contractor providing services for hire similar to the Services to the general public, that it has full authority and capacity to enter into this Contract and provide the Services, and that execution or performance of this Contract by Vendor shall not violate any other agreement or covenant or any law.

15. **Federal Edgar Provisions.** Vendor acknowledges in the event federal funds are used to fund the Services delivered under the Contract, Vendor will abide by all applicable federal laws, rules, and regulations, executive orders, and policies, procedures and directives applicable to the Contract, including but not limited to the following:

15.1 **Contractual Remedies.** Vendor agrees that it will comply with all administrative, contractual, legal remedies, sanctions, and penalties for violation or breach that are included in this Contract.

15.2 **Wage and Hour Requirements.** To the extent this Contract involves the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), which requires Vendor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. This provision will not apply to the District's purchases from Vendor of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

15.3 **Clean Air Act and EPA.** Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 -7671q) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387) and agrees to promptly notify the District of any violation.

15.4 **Debarment and Suspension.** Vendor has certified that neither the Vendor nor its principals were listed on the government-wide exclusions in the System for Award Management ("SAM"), that neither the Vendor nor its principals are debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549 at the time this Contract was executed. Vendor further agrees on behalf of itself and its principals, to immediately provide written notification to the District if, at any time following execution of this Contract, Vendor or one of its principals learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances, or if Vendor or one of its principals is later listed on the government-wide exclusions in SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Failure to notify the District of erroneous information within five (5) business days of change in circumstances shall be grounds for immediate termination, but termination of Vendor shall not be an election of remedy by the District.

15.5 **Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352.** Vendor confirms its certification to the District that:

- (i) No Federal appropriated funds have been paid or will be paid, by or on behalf of Vendor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making

of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(ii) Vendor further certifies that if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Vendor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Vendor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., providing administrative remedies for false statements, apply to this certification and disclosure, and that this certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Finally, Vendor agrees that it will require the language of this certification be included in the award documents for all lower-tier contractors it hires, and that it will ensure all subcontractors make the same certification in connection with work done under the Contract. The certification in this Section is a material representation of fact upon which the District has placed its reliance.

15.6 Compliance with Mandatory Provisions of State Energy Conservation Plan. Vendor shall comply with the all mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201), if any.

15.7 Compliance with Solid Waste Disposal Act. If the District purchased the same item or items from the Vendor under this Contract, which were purchased by the District during the preceding fiscal year, and the prior purchase exceeded \$10,000, Vendor agrees that it will comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, where applicable, and that it will provide information and certifications required by the District confirming estimates and otherwise evidencing such compliance.

15.8 Equal Employment Opportunity Clause. Vendor represents, warrants and certifies that, during the performance of the Contract:

(i) it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination;

(ii) it will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin;

(iii) it will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge,

in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with Vendor's legal duty to furnish information;

(iv) it will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

(v) it will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor;

(vi) it will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders;

(vii) in the event of Vendor's non-compliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations, or orders, the Contract may be canceled, terminated or suspended in whole or in part and the Vendor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law; and

(viii) it will include the provisions of paragraphs (i) through (vii) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. Vendor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event Vendor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Vendor may request the United States to enter into such litigation to protect its interests.

15.9 Termination for Convenience. Notwithstanding any provision to the contrary contained in this Contract, if federal funds are used to fund the purchase represented by this Contract, the District reserves the right to terminate this Contract for convenience. In such event, the District agrees it will be responsible for all legitimate charges with respect to periods prior to the termination.

## 16. Miscellaneous.

16.1 Assignment/Delegation. Without the prior written consent of the other party, no party shall have right or power to assign this Contract in whole or in part, or to delegate or sub-contract any duties hereunder in whole or part. Any attempted assignment or delegation by Vendor shall be wholly void and ineffective for all purposes unless made in the conformity with this paragraph.

16.2 Governing Law and Venue. **THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND IS PERFORMABLE IN EL PASO COUNTY, TEXAS.**

16.3 No Waiver of Immunity. The District reserves, and does not waive, its rights of sovereign/governmental immunity and similar rights, immunities and rights of its officials and employees, under the Texas Tort Claims Act. Nothing herein shall be a consent to suit.

16.4 No Third-Party Beneficiaries. This Contract, and every provision thereof, shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns. No term or provision of this Contract shall benefit or obligate any person or entity not a party to it. The parties

hereto shall cooperate fully in opposing any attempt by any third person or entity to claim any benefit, protection, release or other consideration under this Contract.

16.5 Context. Wherever the context shall require, the singular shall include the plural, and the male gender shall include the female gender and the neuter, and vice versa.

16.6 Attorney's Fees. In the event that either party brings an action to enforce or interpret any provision of this Contract, the prevailing party will be entitled to recover its costs and expenses including, without limitation, reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which it shall be entitled to receive, as determined by the trier of fact in such dispute.

16.7 Waiver. No waiver, change, modification or discharge by either party hereto of any provision of this Contract shall be deemed to have been made or shall be effective, unless expressed in writing and signed by the party to be charged. A waiver by either party of a breach of any of the terms, conditions, covenants or guarantees of this Contract shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either party to insist in any one or more cases upon the strict performance of any of the covenants of this Contract, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. No act or omission by a party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

16.8 Severability. Any provision, or part thereof, of this Contract held by a court of competent jurisdiction to be invalid or unenforceable shall not impair or invalidate the remainder of this Contract and the effect thereof shall be confined to the provision, or part thereof, so held to be invalid or unenforceable.

16.9 Time of Essence. Time is of the essence with respect to Vendor's obligations hereunder.

16.10 Public Records. Records relating to this Contract may be subject to disclosure pursuant to the Texas Public Information Act f/k/a Open Records Act, Section 552.001 et. seq. of the Texas Government Code. To the extent any of the Services under this Contract involve the exchange or creation of Public Information as defined by such Act, the Vendor shall make any such information, not otherwise exempted from disclosure under such Act, available in writing and electronically in Microsoft Word, Microsoft Excel and or Adobe Acrobat.

16.11 Notices. All notices to a Party under this Contract shall be provided by Certified Mail, Return Receipt Requested, to the address set forth for the respective party beneath its signature block in this Contract, or such other address as later provided by a party through written notice to the other party.

16.12 Advertising. Vendor shall not advertise or publish, without the District's prior consent, the fact that the parties have entered into this Contract, except to the extent necessary to comply with proper requests for information from a representative of the federal, state, or local government.

16.13 Right to Audit and Records Access. The District, or its authorized representative (including Texas Education Agency and the Comptroller General), shall be given reasonable access to records and rights to perform audits by the District's own personnel and/or an outside firm of consultants/auditors, in order to investigate the District's claims, the Services, and/or evaluate the performance of the Vendor. The Vendor agrees to provide full cooperation during this process. Performance of these functions shall be conducted with proper notification per customary industry standards. Vendor agrees to maintain all required records for five (5) years after the District makes final payment and all other pending matters are closed.

16.14 Israel Certification. Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

16.15 Firearms Certification. Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants and covenants to the District that the Vendor: (a) does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (b) will not discriminate against a firearm entity or firearm trade association during the term of this Contract. For purposes of this provision, the terms "firearm entity", "firearm trade association" and "discriminate against a firearm entity or a firearm trade association" shall have the same meaning as set forth in Government Code Section 2274.001 et. seq. Vendor means a for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

16.16 Energy Company Certification. Pursuant to Texas Government Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001, (a) does not boycott energy companies; and (b) will not boycott energy companies during the term of this Contract.

16.17 Entire Contract/Modification. **THIS CONTRACT IS THE FINAL, COMPLETE, AND ENTIRE CONTRACT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER AND SUPERSEDES ALL PRIOR COMMUNICATIONS, ORAL OR WRITTEN, BETWEEN THE PARTIES RELATING TO MATTERS HEREIN. THIS CONTRACT MAY BE MODIFIED OR RESCINDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY BOTH PARTIES TO THE CONTRACT BY AND THROUGH THEIR DULY AUTHORIZED AGENTS. Changes to this Contract may only be made by mutual written agreement of the parties, which must contain the authorized signature of the District's Superintendent or the President of the District's Board of Trustees.** No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this Contract shall not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. In the event of any conflict between this Contract and the General Terms and Conditions of the contract attached to the Solicitation Document, the terms of this Contract shall control.

[Signatures on next page]

EXECUTED as of the 10 day of June, 2024.

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Diana Sayavedra, Superintendent

APPROVED AS TO FORM  
*[Signature]*

By: \_\_\_\_\_  
Jeanne C. Collins, General Counsel  
**Signed: Wednesday, June 5, 2024**

ADDRESS FOR NOTICE:

El Paso Independent School District  
Attn: Superintendent  
6531 Boeing Drive  
El Paso, Texas 79925

With Copy to:  
General Counsel  
El Paso Independent School District  
6531 Boeing Drive  
El Paso, Texas 79925

VENDOR: KIDS EXCEL EL PASO, INC.

*[Signature]*  
By: \_\_\_\_\_  
Courtney Elam, Executive/Artistic Director

(Printed Name and Title)

*Courtney Elam, Executive*  
ADDRESS FOR NOTICE: *Artistic Director*

Kids Excel El Paso, Inc.  
2235 Wyoming Avenue  
El Paso, TX 79903

**EXHIBIT "A"**  
**Scope of Services and Deliverables**

**Scope of Services:**

**Place(s) of Provision of Services:**

Vendor will provide Services to the District at the following 11 campuses: Aoy Elementary School, Archie Duran Elementary School, Barron Elementary School, Don Haskins PK-8 School, Herrera Elementary School, Moreno Elementary School, Newman Elementary School, Polk Elementary School, Putnam Elementary School, Tippin Elementary School, Zach White Elementary School.

**Date(s)/Period of Provision of Services:**

August 19, 2024, through May 16, 2025

**Description of Services:**

Vendor has been serving District elementary schools since 2004. Aware that the arts have a unique power to engage and motivate children, Vendor will use its distinctive dance programs to help children develop discipline, a standard of excellence, and a belief in themselves that will positively impact their education and lives. Using the National Dance Institute teaching techniques and pedagogy created nearly 45 years ago by former NYC principal dancer and MacArthur Fellow, Jacques d'Amboise, Vendor will bring its energetic dance program directly into District public elementary schools as part of curriculum, teaching students how to work hard, strive for their personal best, and to never give up. The 15-week Spring semester curriculum will focus on the year end performances that take place in May 2025. The overall curriculum meets or exceeds the TEKS for 4th grade students and focuses on the five core competencies of Social Emotional Learning. The Services include school-wide interactive assemblies at each school after 15 weeks of programming and end-of-year performances held at the end of 30-week programs featuring opening dance for 15-125 dancers, individual class dances and grand finale. Cancelled classes shall be rescheduled as soon as possible, to ensure that 30 weeks of programming are provided at partner campuses.

**A brief overview of weekly lessons as in follows:**

- Week 1 -Excellence, Confidence, Diversity -SEL Theme: Self-Awareness, Social Awareness, Using Kind Words
- Week 2 -Teamwork -SEL Theme: Building Relationships, Building Community
- Week 3 -Counting Dancer 8s - SEL Theme: Self-Management, Practicing Mindfulness
- Week 4 -Stage Directions/Boundaries
- Week 5 -Runs and Jumps -SEL Theme: Self-Awareness, Growing Confidence
- Week 6 -Music Notes
- Week 7 -Sculpture Garden -SEL Theme: Self-Awareness, Self-Control
- Week 8 -HUDDLE UP! -SEL Theme: Social Awareness, Celebrating Diversity
- Week 9 -Being a Leader -SEL Theme: Decision-Making, Responsibility
- Week 10 -Freeze Dance -SEL Theme: Self-Awareness, Self-Control
- Week 11 - Confidence toss - SEL Theme: Self-Awareness, Confidence, Being Unique
- Week 12 -Preparing for the Assembly
- Week 13 -Preparing for the Assembly-SEL Theme: Confidence, Confidence, Self-Control
- Week 14 -All Together Rehearsal
- Week 15 -ASSEMBLY DAY
- Week 16 -Excellence and Choreography
- Week 17 -Teamwork and Choreography
- Week 18 -Music Lesson and Choreography
- Week 19 -Staging and Choreography
- Week 20 -Specials, Self-Control, and Choreography

- Week 21 - Casting and Choreography
- Week 22 - Energy Channeling, Inclusion and Choreography
- Week 23 - Social Awareness and Choreography
- Week 24 - Decision Making and Choreography
- Week 25 - Making Good Decisions and Choreography
- Week 26 - Confidence and Choreography
- Week 27 - Staging and Choreography
- Week 28 - Show Prep, Staging and Choreography
- Week 29 - Show Prep, Staging and Choreography
- Week 30 - End of Year Presentation (Theme based)

School Year 2024-2025

EXHIBIT A							
Master							
Campus	# of Classes Fall Semester	# of Classes Spring Semester	Program Length	Semesters Participating Fall/Spring	District Fee Fall Semester	District Fee Spring Semester	District Fee for FY
Aoy	2	2	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Archie Duran	3	3	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Barron	2	2	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Don Haskins	4	4	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Herrera	2	2	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Moreno	2	2	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Newman	2	2	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Polk	3	3	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Putnam	2	2	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Tippin	4	4	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Zach White	2	2	30	F/S	\$ 7,000	\$ 7,000	\$ 14,000
Total per Campus/District/Program							\$ 154,000

**Deliverables:**

Report or Other Deliverable	Expected Delivery Date
N/A	N/A

**EXHIBIT "B"**  
**Compensation**

**Compensation** [mark/complete one or more as applicable]:

N/A \$ \_\_\_\_\_ (Lump Sum/Fixed Price)

N/A Payable at completion.

N/A Quarterly Payments of \$ \_\_\_\_\_ beginning \_\_\_\_\_.

N/A Payable as follows:

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

N/A \$ \_\_\_\_\_ per \_\_\_\_\_, (with a not to exceed cap of \$ \_\_\_\_\_)

N/A \$ \_\_\_\_\_ per hour, (with not to exceed cap of \$ \_\_\_\_\_, based on rates below) payable monthly based upon hours and types of Services provided and documented in invoice.

Other [please explain]: District will pay \$154,000.00 within 30 days after receipt of invoice.

**Expenses:** [Description]: \_\_\_\_\_ N/A \_\_\_\_\_

**Total Compensation for Services Permitted under this Contract:** \$154,000.00.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS CONTRACT IS CONDITIONED UPON THE COMPENSATION FOR THE INITIAL TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS CONTRACT IS VOID.**

**THIS CONTRACT IS ALSO CONTINGENT UPON ITS UNDERLYING PROCUREMENT EDUCATION SERVICE CENTER REGION 19 ALLIED STATES COOPERATIVE RFP 24-7474 BEING VALID FOR THE CONTRACT TERM AND DISTRICT HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**



**Board of Trustees**

**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Expenditures to Purchase Structured Literacy Capacity Building for Literacy Interventionists from Neuhaus Education Center, Utilizing Harris County Choice Partners #22/038SG-25, Educational Materials and Related Items (Budgeted Federal Funds - \$214,440.00)*

**JUSTIFICATION STATEMENT:**

(To provide Structured Literacy training to build capacity for Reading Interventionists in Grades K-8)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Tyra L. Harrison and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever I: Whole Child Development - El Paso ISD schools foster learning environments for the whole child to thrive.*

**SUMMARY:**

The Interlocal Cooperative Agreement is one (1) of seven (7) approved purchasing methods allowed under the Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000."

The Learner Support and Intervention Department requests the purchase of training from Neuhaus Education Center. The focus of the training will be to build capacity for the Reading Interventionists in Grades K-8. The first Phase will focus on Structured Literacy Modules. Structured Literacy Modules are a set of 18 modules that discuss the components of evidence-based structured literacy instruction. The modules provide an in-depth explanation of: the ways research, grounded in the science of reading, informs structured literacy; why the components of structured literacy are necessary for developing skilled readers; and how these components can be practically applied during direct instruction. After building capacity with what Structured Literacy is, the second phase will focus on a deeper dive of reading and elements with training focused on: Accurate and Automatic Reading (Fluency), Oral Language and Listening Comprehension, Spelling and Orthography, Written Composition, and Metacognitive Strategies.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the purchase of Structured Literacy Capacity Building for Literacy Interventionists, from Neuhaus Education Center, utilizing Harris County Choice Partners Contract #22/038SG-25, Educational Materials and Related Items, from June 21, 2024, to June 30, 2025, in the amount of \$214,440.00, as presented, subject in part to approval of the 2024-2025 proposed fiscal budget.

**FUNDING SOURCE:** Budgeted Federal Funds **ACCOUNT NO.:** 255.13.6XXX.807.24.955.807

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$68,160.00
- **FUTURE/ONGOING:** \$146,280.00

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

Services will not be provided to Literacy Interventionists

**IMPLEMENTATION TIMELINE:** July 1, 2024, through June 30, 2025

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▣ BU-Coop Contract Information
- ▣ Vendor Agreement

# Neuhaus Education Center

**Contract Category:**

**Contract Number:** 22/038SG-25

**Contract Terms:**

**Initial Award Date:** August 17, 2022

**1<sup>st</sup> Renewal Start Date:** August 17, 2023

**Current Expiration Date:** August 16, 2024

**Renewals Remaining:** 3

**CP Contract Manager:**

**Steve Gibson**

[steve@choicepartners.org](mailto:steve@choicepartners.org)

713-681-6052

**Contract Partner:** Neuhaus Education Center

**Contract Partner Web Site:**

<http://neuhaus.org>

**Approved Market Area:**



## Neuhaus Education Center

Print info.

**Contract Category:** Educational Materials and Related Items

**Contract Number:** 22/038SG-25

**Contract Terms:**

Initial Award Date: August 17, 2022

1<sup>st</sup> Renewal Start Date: August 17, 2023

Current Expiration Date: August 16, 2024

Renewal Options Remaining: 3

**CP Contract Manager:**

Steve Gibson

[steve@choicepartners.org](mailto:steve@choicepartners.org)

713-681-6052

**Contract Partner:** Neuhaus Education Center



**Contract Partner Web Site:**

<http://neuhaus.org>

**Approved Market Area:** TX

**APPROVED PRODUCT OR SERVICE:**

Educational Materials and Related Items Must mention Choice Partners contract #22/038SG-25 when contacting vendor for pricing/quotations. **Members, Please Log in to access contract due diligence and vendor contact information.**

**HUB Status:** No

**MWBE Status:** No

**SBE Status:** No

**ABOUT THIS PARTNER:**

Neuhaus, a professional development institute dedicated to preventing reading failure, has provided evidence-aligned reading instruction to more than 75,000 teachers of reading – impacting more than 1.65 million children – since its inception in 1980. Initially a small center devoted to professional learning for educators with a focus on dyslexia intervention, our programs have expanded and diversified over time to meet the growing and changing needs of general education literacy instruction. Our primary goal is to develop successful readers by teaching reading right the first time.

To see contract information details, please login.

**VENDOR CONTRACT**  
**(Goods and Services)**

THIS VENDOR CONTRACT FOR GOODS AND SERVICES ("this Contract") is between THE W. OSCAR NEUHAUS MEMORIAL FOUNDATION D.B.A NEUHAUS EDUCATION CENTER (the "Vendor") and the EL PASO INDEPENDENT SCHOOL DISTRICT ("District"). The Effective Date of this Contract is June 21, 2024, regardless of when executed. For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

1. **Term.**

1.1 **Term.** The term of this Contract shall be for a period from June 21, 2024 through June 30, 2025 [with 0 year(s) annual renewal(s)] unless earlier terminated in accordance with this Contract. Annual renewals, if any, shall be at the sole discretion of the District.

1.2 **Non-Appropriation.** In the event the Contract is awarded for a term greater than one year or extending beyond the District's current budget period, it will be subject to approval at the commencement of each of the District's budget years. Vendor agrees that the District has the continuing right to terminate this Contract without notice at the end of a District budget period in which funds for this Contract are not appropriated. In such event the Contract may be terminated as soon as practicable after the event of non-appropriation or upon 30-days' prior written notice whichever provides the longest notice.

2. **Cancellation/Termination.**

2.1 **Termination.** This Contract may be terminated as follows: (a) by either party in the event of material breach of this Contract by the other party which continues more than thirty (30) days after written notice of default from the non-breaching party to the breaching party; or (b) by the District at its option: (i) if Vendor fails, as determined by the District's representative, to satisfactorily perform the duties set out in this Contract, comply with any covenant herein required or breach any warranty provided herein; becomes insolvent, files or has filed against it a petition in bankruptcy, proposes or accomplishes any dissolution, liquidation, composition, financial reorganization or recapitalization with creditors; (ii) if a receiver, trustee, custodian, or similar agent is appointed or takes possession of any property or business of Vendor; (iii) if, at the expiration of each District budget period occurring during the term of this Contract, funds for this Contract are not appropriated as provided in Section 1.2 above; or (iv) with or without cause upon thirty days prior written notice from the District to Vendor. In the event of early termination of the Contract for any reason, the total compensation which may be claimed by Vendor under this Contract shall be limited [subject to other limitations in this Contract or applicable law] to the payment for the conforming Goods and/or Services timely provided by the date of termination.

2.2 **Effect.** Within forty-five (45) calendar days of the effective date of completion, or termination or expiration of this Contract, Vendor shall submit to District its claims, in detail, for the monies owed by District for Services satisfactorily performed or Goods delivered and accepted under this Contract through the effective date of termination. **Failure by Vendor to submit its claims within forty-five (45) calendar days shall negate any liability on the part of District and constitute a waiver by Vendor of any and all right or claims to collect monies that Vendor may rightfully be otherwise entitled to for Services satisfactorily performed or Goods delivered under this Contract.** Regardless of how this Contract is terminated, Vendor shall effect an orderly transfer to District or to such person(s) or firm(s) as the District may designate, at no additional cost to District. Upon the effective date of expiration or termination of this Contract, Vendor shall cease all operations of Services being performed or delivery of Goods by Vendor, or any of its subcontractors, pursuant to this Contract. All completed or partially completed documents, papers, records, charts, reports, and any other materials or information produced, or provided to Vendor, in connection with the Services rendered by Vendor under this Contract, regardless of storage medium, shall be transferred to District. Such record transfer shall be completed within thirty (30) calendar days of the termination date and shall be completed at Vendor's sole cost and expense. Payment of compensation due or to become due to Vendor is conditioned upon delivery of all such documents.

3. **Right to Assurance.** Whenever the District in good faith has reason to question the Vendor's intent to perform, the District may demand that the Vendor give written assurance of its intent to perform. In the event that a demand is made and no assurance is given within five business (5) days, the District may treat this failure as an anticipatory repudiation of the Contract.

4. **Remedies.** In the event of default of this Contract by Vendor, the District shall have all of, and may exercise one or more of, the following rights and remedies: (a) the right to recover damages; (b) the right to seek injunctive relief; (c) the right to seek declaratory relief; (d) the right to off-set and/or retain from payments otherwise due to Vendor damages, fees, and costs sustained or incurred by the District in connection with such breach; (e) the right to terminate this Contract as provided herein; and (f) any of its rights and remedies in law or equity. In no event shall District's action of terminating this Contract, whether for cause or otherwise, be deemed an election of District's remedies, nor shall such termination limit, in any way, at law or at equity, District's right to seek damages from or otherwise pursue Vendor for any default hereunder or other action.

5. **Force Majeure.** If by reason of Force Majeure (i.e. acts of God, strikes, lockouts, or other industrial disturbances, etc.), either party hereto shall be rendered unable, wholly or in part, to carry out its obligations under this Contract, then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

6. **Goods and Services to Be Delivered.**

6.1 **Delivery, Packaging and Acceptance of Goods.**

A. Vendor agrees to provide the Goods listed and described in Exhibit "A," which is attached hereto and incorporated herein by reference for all purposes [or any subsequent Goods required to be delivered to the District under this Contract] (collectively, the "Goods"). Unless otherwise stated in Exhibit "A", the Goods shall be delivered in accordance with the following Standard Delivery Terms:

(i) F.O.B. District's James Gamble Facility, 4900 Woodrow Bean Drive, El Paso, Texas 79924.

(ii) Goods will be packed in accordance with good commercial practice and in a manner which will facilitate securing the lowest transportation costs, conform to requirements of common carriers and any applicable specifications. Each shipping container shall be clearly and permanently packed and identified with: (a) Vendor's name and address; (b) if applicable, consignee's name, address and purchase order and bid number; (c) container number and total number of containers, e.g. box 1 of 4 boxes; and (d) the number of the container bearing the packing slip. Vendor shall bear cost of packaging unless otherwise provided. The District's count or weight determination shall be final and conclusive on shipments not accompanied by packing slips/lists. The Goods will be delivered with an Operator's Manual and a Maintenance and Parts Manual, if one exists.

(iii) The District assumes no liability for Goods delivered in damaged or in unacceptable condition. The Vendor shall handle all claims with insurance carriers, and in the event that Goods are damaged in transit shall ship replacement Goods immediately upon notification by the District of damage. Delivery will be made between the hours of 8:00 a.m. and 3:30 p.m. (MDT/MST) unless otherwise specified by the District in writing. Vendor is not authorized to ship the Goods under reservation and no tender of a Bill of Lading will operate as a tender of Goods. The District shall have the right to inspect the Goods at delivery before accepting them and no Goods will be accepted until written acceptance is provided by authorized District Representative. Any written warranties will commence upon acceptance of the Goods by the District.

(iv) **Repair and Replacement Information.** As the situation requires, the Vendor shall provide alternative quotes for both repair and replacement of any damaged Goods, if

appropriate to the request. In the event the cost of repair is equal to or greater than seventy-five percent (75%) of the price of a new item, Vendor shall provide a written recommendation to the District representative regarding the relative merits of repair or replacement of the item. Failure to adhere to these requirements may be grounds for the termination of the Contract.

## 6.2 Delivery of Services and Standard of Care.

A. Delivery. Vendor agrees to provide the Services listed and described in Exhibit "B," which is attached hereto and incorporated herein by reference for all purposes (collectively, the "Services"). Nothing contained in this Contract shall require District to pay for any unsatisfactory Services, as determined by District's representative, or for work that does not comply with the terms of this Contract.

B. Standard of Care. If the Services are performed by a non-professional Vendor, Vendor represents, covenants, and warrants that it will devote its good faith, best efforts in provision of the Services and will provide the Services with reasonable care and skill and in a good and workmanlike manner. If the Services are considered Professional Services, the Vendor further represents, covenants and warrants that it will provide the Services using the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same locale. Services will be provided in a manner consistent with industry standards and will conform to the required specifications set out herein, and shall be delivered in compliance with all applicable laws, rules, regulations, procedures and consistent with industry standards.

## 6.3 Warranties for Goods and Services.

A. Express Warranties. Vendor expressly represents, warrants and covenants, that:

(i) Vendor will devote its good faith, best efforts in provision of the Goods and/or Services.

(ii) Vendor has and will retain sufficient financial condition, working capital, experience, expertise, personnel, licenses, certifications, and authority to provide the Goods and/or Services, that it will provide copies of its licenses and certifications to the District upon request, and will comply with the vendor ethics policies of the District.

(iii) The Goods furnished conform with the specifications, drawings, descriptions and that the Services promised will adequately address the Scope of Services set forth in the Contract and its exhibits, the District's Request for Proposal, Request for Competitive Sealed Proposal or other solicitation for the Goods and/or Services contracted for herein (the "Solicitation Document"), and to any sample(s) furnished by Vendor, if any, in connection with the Contract or in response to the District's Request for Proposal.

(iv) The Goods and/or Services shall be delivered in compliance with all applicable laws, rules, and regulations, with District policies and procedures, and consistent with industry standards.

(v) In the event of a conflict between the specifications, drawings and descriptions of Goods to be provided, the specifications shall govern. In the event of a conflict between the Solicitation Document and the Contract, the Contract shall prevail.

(vi) All Goods are new and the quality of the Goods is consistent with or better than industry standard.

B. Implied Warranties.

(i) The Goods comply with all implied warranties, including but not limited to, the implied warranty of merchantability and fitness for the particular purpose for which they were obtained. The Vendor agrees to provide the Services agreed to herein in a good and workmanlike manner.

(ii) No implied warranties for Goods and/or Services or provided in connection with this Contract are waived modified or excluded by any provision of this Contract, or any terms

and conditions included in any document prepared by the Vendor, and any provision so intended, or interpreted shall be treated as void *ab initio*.

- C. **Safety Warranty and Provision of Material Safety Data Sheets.** As applicable, the Goods supplied to the District under this Contract shall conform to applicable standards promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act ("OSHA") of 1970. In the event the Goods do not conform to OSHA standards, the District will be permitted to refuse or return the non-conforming Goods for correction or replacement at the Vendor's expense. Where Goods to be delivered under this Contract require the maintenance of Material Safety Data Sheets ("MSDS"), a copy of the relevant MSDS will be made available to the District's representative prior to delivery of the relevant Goods.

6.4 **No Warranties by District.** No review, consent, or approval by the District of any documents prepared by Vendor shall constitute a representation or warranty by the District of the legality, suitability, or quality of the same or content thereof.

6.5 **Reservation of Rights.** The District reserves the right to use its own staff or any other third-party to provide the same or similar goods and/or services to the Goods and/or Services described herein.

7. **Tax Exemption.** The District is exempt from Federal Excise, State or City Sales Tax under State Law and such obligations are included in the price under this Contract. The District will furnish a tax exemption certificate, if required.

8. **Invoicing and Payment.** Compensation to Vendor is set forth on Exhibit "C," attached hereto and incorporated herein. Except as otherwise provided in Exhibit "C," Vendor shall invoice the District on or before the thirtieth (30<sup>th</sup>) day of each month, for the portions of the Goods delivered and accepted and/or Services performed during the preceding month at rates set forth on Exhibit "C." Reimbursable Expenses are included in the hourly rate or not to exceed pricing for Services unless specifically excluded. If excluded, Reimbursable Expenses will be itemized separately and documented by receipts for invoicing purposes. Invoices for Goods and/or Services shall not include Federal Excise, State or City Sales Tax for which an Independent School District is exempt under State law. The District shall furnish a tax exemption certificate, if required. The aggregate compensation from the District to Vendor for the Goods and/or Services shall not exceed the maximum figures stated in Exhibit "C." Vendor shall not be entitled to receive payments or amounts under the Contract in excess of the amounts appropriated for the then-current budget period of the District. The District shall make payment to the Vendor for amounts determined to be properly due, not later than thirty (30) days after its receipt of the Vendor's invoice or as required by the Texas Prompt Payment Act (Chapter 2251 of the Texas Government Code) or its successor. The maximum interest rate on any past due payments by the District to Vendor shall be limited to the rate provided by Section 2251.025 of the Texas Government Code or its successor. The District shall not be required to make any payments to Vendor at any time Vendor is in default under this Contract.

9. **Confidential/Proprietary Information.**

9.1 **Confidential Information/Materials.** Vendor understands that, during the term of this Contract, Vendor will have access to certain information belonging to the District and designated as confidential by the District or not generally known by non-District personnel (collectively, the "Confidential Information"). During the term of this Contract and at all times thereafter, Vendor shall not, without the prior written consent of the District, do any of the following, directly or indirectly: (a) use any of the Confidential Information for Vendor's own purposes or for the purposes of any person or entity other than the District; and/or (b) disclose any of the Confidential Information to any third party, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Vendor further shall take all steps necessary to prevent disclosure of Confidential Information by any other person or entity, during the term of this Contract and at all times thereafter, without the prior written consent of the District. All data, disks, lists, financial records, other records, documents, property, information, specifications, and materials of the District relating to the Goods and/or Services provided to Vendor during the term of this Contract, as well as all copies thereof (collectively the "Materials"), shall be and remain the sole and exclusive property

of the District. None of the Materials shall be retained by Vendor, or shall be transmitted to anyone at any time, either now or in the future, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Upon termination of this Contract, or upon request by the District, Vendor shall promptly return the Materials to the District. The Materials are included within the definition of Confidential Information. Vendor further agrees that, if it receives information or records concerning any student, it shall not disclose the same, except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA.

9.2 **Intellectual Property Rights.** If Vendor, as part of the delivery of the Goods and/or Services, will be working with the District, [all references to Vendor and District in this paragraph shall include their respective agents, employees and representatives], to create and/or develop materials or other work products, including visual, audio, written and graphic material (the “Resulting Work Product”) for which the Vendor will receive any consideration provided for in this Contract, the Resulting Work Product (including all of Vendor’s contributions to the creation or development of the Resulting Work Product), and any state or federal trademark rights, copyrights, patents or other intellectual property rights associated with the Resulting Work Product (collectively, the “Intellectual Property Rights”) will at all times remain the exclusive property of the District. Vendor agrees to assist the District in any way necessary, including executing any assignments or other documents, required to document the District’s ownership rights in the Resulting Work Product and the associated Intellectual Property Rights, as applicable; including taking any action necessary for the District to secure state or federal registration of its Intellectual Property Rights in the name of the District. No separate or additional consideration, other than the consideration paid under this Contract, will be provided by the District for any provision of any assignments or conveyance of the Resulting Work Product, or of Intellectual Property Rights associated with the Resulting Work Product. The Vendor shall assure that its authorized subcontractors or agents, not under its control as employees, are aware of this provision and are contractually bound thereby.

10. **Vendor Records and Retention.** The District or its authorized representative shall be afforded unrestricted access to and be permitted to inspect and copy all of the Vendor’s records, which shall include but not be limited to accounting records (hard copy as well as computer readable data), correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to this Contract. The Vendor shall preserve all such records for a period of five (5) years, after the District makes final payment and all other pending matters are closed, or for such longer period as may be required by law, after final payment under this Contract, including any extension thereof. To the extent that the requirements of 2 CFR § 200.333 apply to the Contract, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award, must be retained for the Vendor for only the period required by 2 CFR § 200.333 and the five (5) year requirement of this provision shall apply to all other documents. If no federal funds are expended by the District for the Contract, the five (5) year retention requirement provided herein will apply.

For a Contract involving at least \$1 million in Goods/Services, the following provision shall apply: Vendor shall preserve for the duration of this Contract all “contracting information” within the meaning of Texas Government Code Section 552.003(7) et. seq. relating to this Contract (the “Contracting Information”) as provided by the records retention requirements applicable to the District. Vendor shall provide to the District, upon its request, any Contracting Information that is in the custody or possession of Vendor. Upon completion of this Contract, Vendor shall either provide at no cost to the District all Contracting Information in the custody or possession of Vendor or instead preserve all Contracting Information as provided by the records retention requirements applicable to the District. Pursuant to Texas Government Code Section 552.372(b), the following notice is given to Vendor: The requirements of Subchapter J, Chapter 552, Government Code, may apply to this Contract, and Vendor agrees that the Contract can be terminated if Vendor knowingly or intentionally fails to comply with a requirement of that Subchapter.

11. **Indemnification.**

11.1 **General Indemnification.** Vendor agrees to INDEMNIFY, DEFEND, AND HOLD HARMLESS the District and its trustees, officers, agents, representatives and employees (collectively, the “Indemnified Parties”) from and against, any and all claims, causes of action, liability, lawsuits, judgments, costs, liens, losses, expenses, fees (including reasonable attorney’s fees

and costs of defense), proceedings, actions, demands, and suits of any kind and nature, including but not limited to, personal injury (including death), property damage, or other harm for which recovery of damages is sought that may arise out of or be caused by the negligent or intentional act, error, or omission of Vendor, or that of its agent, officer, representative, employee, or sub-consultant (collectively "Vendor Affiliate") while in the exercise or performance of the rights or obligations under this Contract. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of the Indemnified Parties, in instances where such negligence causes personal injury, death, or property damage. In the event Vendor and/or a Vendor Affiliate and any Indemnified Party are found jointly liable by a Court of competent jurisdiction, liability shall be apportioned comparatively in accordance with the laws of the State of Texas, without, however, waiving any governmental immunity available to the District, its employees/officials under Texas law and without waiving any defenses of District its employees/officials under the Texas Tort Claims Act or other Texas law. Vendor shall promptly advise District, in writing, of any claim or demand against an Indemnified Party, Vendor and/or a Vendor Affiliate known to Vendor, related to or arising out of activities of Vendor and/or a Vendor Affiliate under this Contract. The provisions of this Section are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

**11.2 Intellectual Property Rights Indemnification.** Vendor shall INDEMNIFY, DEFEND, AND HOLD HARMLESS the District, its elected officials, employees, officers, and representatives harmless from and against any and all liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) for infringement of any patent, copyright or similar property right including, but not limited to, misappropriation of trade secrets and any infringement by Vendor and its employees and consultants, in connection with any license provided, any deliverable or any Service furnished hereunder, and used by either the District or Vendor within the scope of this Contract (unless said infringement results directly from Vendor's compliance with District's written standards or specifications).

**11.3 Defense Counsel.** In connection with any indemnification obligation in this Section 11, District, in its sole discretion shall have the right to approve or select defense counsel to be retained by Vendor in fulfilling its indemnity obligation hereunder, unless such right is expressly waived by District in writing. District reserves the right to provide a portion, or all of its own defense, at its own expense; however, District is under no obligation to do so. Any such action by District is not to be construed a waiver of Vendor's obligation to defend District or a waiver of Vendor's obligation to indemnify District pursuant to this Section. Vendor shall retain District-approved defense counsel within seven (7) business days of District's written notice that District is invoking its right to indemnification under this Contract. If Vendor fails to retain counsel within such time period, District shall have the right to retain defense counsel on its own behalf, and Vendor shall be responsible for all costs incurred by District until such time as the Vendor provides a defense.

**11.4 Indemnity Survival.** The provisions of this Section 11 are solely for the benefit of the parties hereto, and not intended to create or grant any rights, contractual or otherwise, to any other person or entity and the obligations herein shall survive the termination or expiration of this Contract.

## **12. Work On School District Campuses.**

**12.1 Notice Before Entry During School Hours and Decorum on District Campuses.** Vendor acknowledges that work may be performed in connection with an educational facility that is currently occupied and in use. It is imperative that Vendor's deliveries and/or performance of Services not interfere with, interrupt, disturb, or disrupt District's normal operations or facilities. During school hours, when entry is not made on an emergency basis, Vendor shall notify the District in advance and arrange an escort for Vendor's representative.

**12.2 Compliance with Campus Rules.** Vendor agrees to and shall comply with all rules, regulations and requirements of the District and the school campus on which work is to be performed, and shall take all steps necessary to protect and guard the safety of the employees, students and invitees of District. Vendor recognizes the ongoing school activities in proximity with its onsite activities shall result in the need for prompt and effective coordination of its Services with those involved in the ongoing use of the

premises. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Vendor shall be responsible for the actions of its employees and its subcontractors. The Vendor recognizes the site is a public-school campus, and will prohibit the possession or use of alcohol, controlled substances, tobacco, and any prohibited weapons on the site and shall require adequate dress of the Vendor's forces consistent with the nature of the work being performed.

13. **Criminal Background Checks.** Vendor shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, District Board Policy CH (Legal) and (Local), and other policies and administrative requirements relating to or arising from such statute and rule(s); shall ensure that no covered employee of Vendor or of any subcontractor [if authorized] with a disqualifying criminal history performs Services under the award at or for the District; and shall timely provide written certifications thereunder in such form and substance as requested by the District. Vendor understands that any failure to comply with the requirements of this Section may be grounds for termination of its Contract with the District.

14. **Relationship.** **This Contract does not constitute a joint venture or partnership of any kind between the parties hereto. In addition, the parties expressly understand and agree the provision of Goods and/or Services is and shall be considered independent contractor work performed by Vendor, using Vendor's own talents, contacts, tools, vehicles, and equipment, and that nothing in this Contract in any way creates an express or implied contract of employment between the District and Vendor. Vendor is not and shall not be an employee of the District for any purpose. Vendor is exclusively responsible for all administrative matters relating to its status hereunder or the Goods and/or Services, including without limitation, travel, lodging, and other expenses, any withholding and payment of all federal, state and local income taxes, FICA, FUTA, or other employment-related taxes, workers' compensation insurance, fringe benefit programs, or other benefits of any kind. Vendor represents that it is an independent contractor providing goods and/or services for hire similar to the Goods and/or Services to the general public, that it has full authority and capacity to enter into this Contract and provide the Goods and/or Services, and that execution or performance of this Contract by Vendor shall not violate any other agreement or covenant or any law.**

15. **Federal Edgar Provisions.** Vendor acknowledges in the event federal funds are used to fund the Goods and/or Services delivered under the Contract, Vendor will abide by all applicable federal laws, rules, and regulations, executive orders, and policies, procedures and directives applicable to the Contract, including but not limited to the following:

15.1 **Contractual Remedies.** Vendor agrees that it will comply with all administrative, contractual, legal remedies, sanctions, and penalties for violation or breach that are included in this Contract.

15.2 **Wage and Hour Requirements.** To the extent this Contract involves the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), which requires Vendor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. This provision will not apply to the District's purchases from Vendor of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

15.3 **Clean Air Act and EPA.** Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 -7671q) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387) and agrees to promptly notify the District of any violation.

15.4 **Debarment and Suspension.** Vendor has certified that neither the Vendor nor its principals were listed on the government-wide exclusions in the System for Award Management ("SAM") that neither the Vendor nor its principals are debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549 at the time this Contract was executed. Vendor further agrees on behalf of itself and its principals, to immediately provide written notification to the District if, at any time following execution of this Contract, Vendor or one of its principals

learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances, or if Vendor or one of its principals is later listed on the government-wide exclusions in SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Failure to notify the District of erroneous information within five (5) business days of change in circumstances shall be grounds for immediate termination, but termination of Vendor shall not be an election of remedy by the District.

15.5 Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352. Vendor confirms its certification to the District that:

A. No Federal appropriated funds have been paid or will be paid, by or on behalf of Vendor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

B. Vendor further certifies that if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Vendor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Vendor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., providing administrative remedies for false statements, apply to this certification and disclosure, and that this certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Finally, Vendor agrees that it will require the language of this certification be included in the award documents for all lower-tier contractors it hires, and that it will ensure all subcontractors make the same certification in connection with work done under the Contract. The certification in this Section is a material representation of fact upon which the District has placed its reliance.

15.6 Compliance with Mandatory Provisions of State Energy Conservation Plan. Vendor shall comply with the all mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201), if any.

15.7 Compliance with Solid Waste Disposal Act. If the District purchased the same item or items from the Vendor under this Contract, which were purchased by the District during the preceding fiscal year, and the prior purchase exceeded \$10,000, Vendor agrees that it will comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, where applicable, and that it will provide information and certifications required by the District confirming estimates and otherwise evidencing such compliance.

15.8 Equal Employment Opportunity Clause. Vendor represents, warrants and certifies that, during the performance of the Contract:

A. it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination;

B. it will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin;

C. it will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with Vendor's legal duty to furnish information;

D. it will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

E. it will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor;

F. it will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders;

G. in the event of Vendor's non-compliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations, or orders, the Contract may be canceled, terminated or suspended in whole or in part and the Vendor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law; and

H. it will include the provisions of paragraphs (A) through (G) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. Vendor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event Vendor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Vendor may request the United States to enter into such litigation to protect its interests.

15.9 Termination for Convenience. Notwithstanding any provision to the contrary contained in this Contract, if federal funds are used to fund the purchase represented by this Contract, the District reserves the right to terminate this Contract for convenience. In such event, the District agrees it will be responsible for all legitimate charges with respect to periods prior to the termination.

16. Miscellaneous.

16.1 Assignment/Delegation. Without the prior written consent of the other party, no party shall have right or power to assign this Contract in whole or in part, or to delegate or sub-contract any duties hereunder in whole or part. Any attempted assignment or delegation by Vendor shall be wholly void and ineffective for all purposes unless made in the conformity with this paragraph.

16.2 Governing Law and Venue. **THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND IS PERFORMABLE IN EL PASO COUNTY, TEXAS.**

16.3 No Waiver of Immunity. The District reserves, and does not waive, its rights of sovereign/governmental immunity and similar rights, immunities and rights of its officials and employees, under the Texas Tort Claims Act. Nothing herein shall be a consent to suit.

16.4 No Third-Party Beneficiaries. This Contract, and every provision thereof, shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns. No term or provision of this Contract shall benefit or obligate any person or entity not a party to it. The parties hereto shall cooperate fully in opposing any attempt by any third person or entity to claim any benefit, protection, release or other consideration under this Contract.

16.5 Context. Wherever the context shall require, the singular shall include the plural, and the male gender shall include the female gender and the neuter, and vice versa.

16.6 Attorney's Fees. In the event that either party brings an action to enforce or interpret any provision of this Contract, the prevailing party will be entitled to recover its costs and expenses including, without limitation, reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which it shall be entitled to receive, as determined by the trier of fact in such dispute.

16.7 Waiver. No waiver, change, modification or discharge by either party hereto of any provision of this Contract shall be deemed to have been made or shall be effective, unless expressed in writing and signed by the party to be charged. A waiver by either party of a breach of any of the terms, conditions, covenants or guarantees of this Contract shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either party to insist in any one or more cases upon the strict performance of any of the covenants of this Contract, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. No act or omission by a party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

16.8 Severability. Any provision, or part thereof, of this Contract held by a court of competent jurisdiction to be invalid or unenforceable shall not impair or invalidate the remainder of this Contract and the effect thereof shall be confined to the provision, or part thereof, so held to be invalid or unenforceable.

16.9 Time of Essence. Time is of the essence with respect to Vendor's obligations hereunder.

16.10 Public Records. Records relating to this Contract may be subject to disclosure pursuant to the Texas Public Information Act f/k/a Open Records Act, Section 552.001 et. seq. of the Texas Government Code. To the extent any of the Goods and/or Services under this Contract involve the exchange or creation of Public Information as defined by such Act, the Vendor shall make any such information, not otherwise exempted from disclosure under such Act, available in writing and electronically in Microsoft Word, Microsoft Excel and or Adobe Acrobat.

16.11 Notices. All notices to a party under this Contract shall be provided by certified mail, return receipt requested, to the address set forth for the respective party beneath its signature block in this Contract, or such other address as later provided by a party through written notice to the other party.

16.12 Advertising. Vendor shall not advertise or publish, without the District's prior consent, the fact that the parties have entered into this Contract, except to the extent necessary to comply with proper requests for information from a representative of the federal, state, or local government.

16.13 Right to Audit and Records Access. The District, or its authorized representative (including Texas Education Agency and the Comptroller General), shall be given reasonable access to records and rights to perform audits by the District's own personnel and/or an outside firm of consultants/auditors, in order to investigate the District's claims, the Services, and/or evaluate the performance of the Vendor. The Vendor agrees to provide full cooperation during this process. Performance of these functions shall be

conducted with proper notification per customary industry standards. Vendor agrees to maintain all required records for five (5) years after the District makes final payment and all other pending matters are closed.

16.14 Israel Certification. Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

16.15 Firearms Certification. The Vendor represents, warrants, and covenants to the District that the Vendor: (a) does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (b) will not discriminate against a firearm entity or firearm trade association during the term of this Contract. For purposes of this provision, the terms “firearm entity”, “firearm trade association” and “discriminate against a firearm entity or a firearm trade association” shall have the same meaning as set forth in Government Code Section 2274.001 et. seq.

16.16 Energy Company Certification. Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001, (a) does not boycott energy companies; and (b) will not boycott energy companies during the term of this Contract.

16.17 Entire Contract/Modification. **THIS CONTRACT IS THE FINAL, COMPLETE, AND ENTIRE CONTRACT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER AND SUPERSEDES ALL PRIOR COMMUNICATIONS, ORAL OR WRITTEN, BETWEEN THE PARTIES RELATING TO MATTERS HEREIN. THIS CONTRACT MAY BE MODIFIED OR RESCINDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY BOTH PARTIES TO THE CONTRACT BY AND THROUGH THEIR DULY AUTHORIZED AGENTS. Changes to this Contract may only be made by mutual written agreement of the parties, which must contain the authorized signature of the District's Superintendent or the President of the District's Board of Trustees.** No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this Contract shall not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. In the event of any conflict between this Contract and the General Terms and Conditions of the contract attached to the Solicitation Document, the terms of this Contract shall control.

[Signatures on next page]

EXECUTED as of the \_\_\_\_ day of \_\_\_\_\_, 2024.

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Diana Sayavedra, Superintendent

APPROVED AS TO FORM  

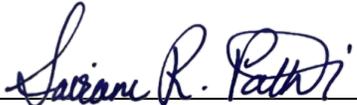

By: \_\_\_\_\_  
Jeanne C. Collins, General Counsel  
**Signed: Wednesday, June 12, 2024**

ADDRESS FOR NOTICE:

El Paso Independent School District  
Attn: Superintendent  
1014 N. Stanton Street  
El Paso, Texas 79902

With Copy to:  
General Counsel  
El Paso Independent School District  
1014 N. Stanton Street  
El Paso, Texas 79902

VENDOR: THE W. OSCAR NEUHAUS  
MEMORIAL FOUNDATION D.B.A  
NEUHAUS EDUCATION CENTER

By:  \_\_\_\_\_  
Sai Pathi, Chief Financial Officer

(Printed Name and Title)

ADDRESS FOR NOTICE:

4433 Bissonnet  
Bellaire, TX 77401

**EXHIBIT “A”**  
**Goods to Be Delivered and Pricing**

**If Delivery By Unit Pricing:**

<b>Item Description</b>	<b>Unit</b>	<b>Units Required</b>	<b>Price Per Unit</b>	<b>Total Price</b>
<b>Professional Learning (1):</b>				
Structured Literacy Modules for CEU Credit (18 Modules)	Per Set	64	\$65.00	\$4,160.00
Coaching Package B (3 days Coaching/Implementation Walks)	Per Package	4	\$16,000.00	\$64,000.00
<b>Professional Learning (2):</b>				
Accurate and Automatic Reading - First Instruction (2 Days)	Per Participant	64	\$400.00	\$25,600.00
Materials: Accurate & Automatic Reading Classes (In House & Remote)	Per Participant	64	\$165.00	\$10,560.00
Oral Language & Listening Comprehension (In Person)	Per Participant	64	\$250.00	\$16,000.00
Materials: Oral Language & Listening Comprehension Class	Per Participant	64	\$40.00	\$2,560.00
Scientific Spelling (1 Day)	Per Participant	64	\$250.00	\$16,000.00
Materials: Scientific Spelling Class	Per Participant	64	\$60.00	\$3,840.00
Multisensory Grammar (1 Day)	Per Participant	64	\$250.00	\$16,000.00
Materials: Multisensory Grammar Class	Per Participant	64	\$40.00	\$2,560.00
Written Composition Fundamentals (1 Day)	Per Participant	64	\$250.00	\$16,000.00
Materials: Written Composition Fundamentals Class	Per Participant	64	\$0.00	\$0.00
Developing Metacognitive Strategies (2 Days)	Per Participant	64	\$400.00	\$25,600.00
Materials: Developing Metacognitive Strategies Class	Per Participant	64	\$115.00	\$7,360.00
Consulting - Hourly	Per Hour	8	\$525.00	\$4,200.00
			<b>TOTAL</b>	<b>\$214,440.00</b>

**Other Description of Goods To Be Delivered:** See Exhibit “B”.

**EXHIBIT “B”**  
**Scope of Services and Deliverables**

**Scope of Services:**

Place(s) of Provision of Services:

District-wide across all schools (grades PK-8) to include access to central office personnel.

Date(s)/Period of Provision of Services:

June 21, 2024, to June 30, 2025

Description of Services:

Vendor will provide, including but not limited to, the following:

**Professional Learning (1):**

**Structured Literacy Modules (SLM)**

SLM are a set of more than 18 modules that discuss the components of evidence-based structured literacy instruction. The modules provide an in-depth explanation of the ways research grounded in the science of reading informs structured literacy, why the components of structured literacy are necessary for developing skilled readers, and how these components can be practically applied during direct instruction. The SLM can be accessed for up to 90 days. Completion of the SLM earns 18 CEU hours.

**Coaching Package B (6 hours per day)**

3 days Coaching/Implementation Walks which is based on the Neuhaus curriculum training and is for teachers and campus leaders.

**Professional Learning (2):**

**Accurate and Automatic Reading - First Instruction (2 Days) (6 hours per day)**

A professional learning course focused on building essential foundational word identification skills through explicit, systematic instruction of the structure of the English language with supporting reading practices to deliver effective, evidence-based decoding lessons. Participants learn strategies to help students accurately read words and how to attach meaning to the words, as well as practice and plan evidence-based 30-minute decoding lessons. This course is designed for Tier I and II teachers of Kindergarten-2nd grade students. This course includes one virtual coaching session per participant. Vendor will also provide any and all materials for Accurate & Automatic Reading class.

**Oral Language & Listening Comprehension (1 Day) (6 hours per day)**

In Oral Language & Listening Comprehension, participants learn 1) the importance of oral language and listening comprehension to skilled reading comprehension, 2) activities that develop oral language and comprehension, 3) assessment of students' oral language through naming and story retelling, and 4) the elements of narrative and expository text that support comprehension. Vendor will also provide any and all materials for Oral Language & Listening Comprehension class.

**Scientific Spelling (1 Day) (6 hours per day)**

In Scientific Spelling, participants learn how to analyze spelling errors and plan instruction to target students' specific needs. Instruction for participants will include 1) phonemic awareness, 2) reliable spelling patterns and rules, and/or 3) strategies for learning words with unexpected spelling. Participants also engage in collaborative activities that extend their learning and can be presented to their students. Vendor will also provide any and all materials for Scientific Spelling class.

**Multisensory Grammar (1 Day) (6 hours per day)**

In Multisensory Grammar, participants learn 1) activities that make the abstract concept of grammar concrete, 2) strategies for increasing students' sentence complexity when writing, and 3) use of parts of speech in the construction and revision of written paragraphs. Participants also engage in collaborative activities that extend their learning and can be presented to their students. Vendor will also provide any and all materials for Multisensory Grammar class.

**Written Composition Fundamentals (1 Day) (6 hours per day)**

In Written Composition Fundamentals, participants learn 1) how to teach the structures of descriptive, narrative, process, compare and contrast, and persuasive paragraphs, 2) how to help students enhance the quality of their paragraphs, and 3) how to teach students to edit and revise paragraphs. Participants also engage in collaborative activities that extend their learning and can be presented to their students. Vendor will also provide any and all material for Written Composition Fundamentals Class.

**Developing Metacognitive Strategies (2 Days) (6 hours per day)**

In Developing Metacognitive Strategies, participants learn 1) activities that increase oral language, 2) strategies for increasing vocabulary and background knowledge, 3) summarization activities, 4) questioning techniques, and 5) progress monitoring for fluency, vocabulary, and comprehension. This course includes one virtual coaching session per participant. Vendor will also provide any and all materials for Developing Metacognitive Strategies.

**Consulting - Hourly**

Neuhaus consultation services for one-hour virtual group coaching session.

**Deliverables:**

<b>Report or Other Deliverable</b>	<b>Expected Delivery Date</b>
<b>Professional Learning (1):</b>	
Intro to Year 2 Structured Literacy Modules for CEU Credit	At District's discretion and before August 31, 2024
Coaching Package B Phase 1	At District's Discretion and before August 31, 2024
<b>Professional Learning (2):</b>	
Accurate and Automatic Reading - First Instruction (2 Days)	At District's discretion during the 2024-2025 School Year
Materials: Accurate & Automatic Reading Classes (In House & Remote)	At District's discretion during the 2024-2025 School Year
Oral Language & Listening Comprehension (In Person)	At District's discretion during the 2024-2025 School Year
Materials: Oral Language & Listening Comprehension Class	At District's discretion during the 2024-2025 School Year
Scientific Spelling (1 Day)	At District's discretion during the 2024-2025 School Year
Materials: Scientific Spelling Class	At District's discretion during the 2024-2025 School Year
Multisensory Grammar (1 Day)	At District's discretion during the 2024-2025 School Year
Materials: Multisensory Grammar Class	At District's discretion during the 2024-2025 School Year
Written Composition Fundamentals (1 Day)	At District's discretion during the 2024-2025 School Year

Materials: Written Composition Fundamentals Class	At District's discretion during the 2024-2025 School Year
Developing Metacognitive Strategies (2 Days)	At District's discretion during the 2024-2025 School Year
Materials: Developing Metacognitive Strategies Class	At District's discretion during the 2024-2025 School Year
Consulting - Hourly	At District's discretion during the 2024-2025 School Year

**EXHIBIT "C"**  
**Compensation**

**Compensation** [mark/complete one or more as applicable]:

N/A \$ \_\_\_\_\_ (Lump Sum/Fixed Price)

N/A Payable at completion.

N/A Quarterly Payments of \$ \_\_\_\_\_ beginning \_\_\_\_\_.

N/A Payable as follows:

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

N/A \$ \_\_\_\_\_ per \_\_\_\_\_, (with a not to exceed cap of \$ \_\_\_\_\_)

N/A \$ \_\_\_\_\_ per hour, (with not to exceed cap of \$ \_\_\_\_\_, based on rates below) payable monthly based upon hours and types of Goods and Services provided and documented in invoice.

X Other [please explain]: District will pay \$68,160.00 for the items listed under the category Professional Learning (1) utilizing available 2023-2024 Title II funds within 30 days after receipt of invoice. District will also pay \$146,280.00 for the items listed under the category Professional Learning (2) utilizing available 2024-2025 Title II funds after July 1, 2024 and within 30 days after receipt of invoice.

**Expenses:** [Description]: \_\_\_\_\_ N/A

**Total Compensation for Goods and Services Permitted under this Contract:** \$214,440.00.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, ALL GOODS AND SERVICES LISTED UNDER THE CATEGORY PROFESSIONAL LEARNING (1) IN THIS CONTRACT WILL BE COMPENSATED UTILIZING CURRENT AND PROPERLY AVAILABLE TITLE II FUNDS FOR THE 2023-2024 SCHOOL YEAR. ALL GOODS AND SERVICES LISTED UNDER THE CATEGORY PROFESSIONAL LEARNING (2) IN THIS CONTRACT WILL BE COMPENSATED UTILIZING TITLE II FUNDS FOR THE 2024-2025 SCHOOL YEAR. COMPENSATION AND THE EFFECTIVENESS OF THIS CONTRACT ARE CONDITIONED UPON THE COMPENSATION (TITLE II) BEING FULLY AVAILABLE AND PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE APPLICABLE FISCAL YEAR BUDGET.**

**ADDITIONALLY, FOR THE TERM OF THIS CONTRACT, THIS CONTRACT IS CONTINGENT UPON ITS UNDERLYING PROCUREMENT (CHOICE PARTNERS 22/038SG-25) BEING VALID FOR THE ENTIRE CONTRACT AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**



**Board of Trustees**

**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Expenditures to Purchase Emergency Preparedness and Threat Assessment Software from Navigate360, LLC, Utilizing The Interlocal Purchasing System (TIPS) #210101, Technology Solutions, Products and Services (Budgeted Local Funds - \$152,500.00)*

**JUSTIFICATION STATEMENT:**

(To provide Emergency Preparedness and Threat Assessment software)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Manny Verduzco and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

The Interlocal Cooperative Agreement is one (1) of seven (7) approved purchasing methods allowed under the Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000."

The 86th Texas Legislature passed Senate Bill 11, which added a new section to the Texas Education Code (TEC) that requires a safe and supportive schools program for all school District campuses. TEC Section 37.115 requires a multidisciplinary threat assessment team to identify, assess, report, and manage individuals who make threats of violence, exhibit harmful, threatening, or violent behavior. The team is required to gather and analyze data to determine the level of risk and appropriate intervention.

Navigate360, LLC, provides an emergency preparedness software solution that features student tracking, drill management, response and reunification modules. The behavioral threat assessment software solution features a platform used to identify, track, and manage student behavior as a means of mitigating threats.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the expenditures for the purchase of Emergency Preparedness and Threat Assessment software licenses from Navigate360, LLC, utilizing The Interlocal Purchasing System (TIPS) #210101, Technology Solutions, Products and Services, in the amount of \$152,500.00, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget.

**FUNDING SOURCE:** Budgeted Local Funds **ACCOUNT NO.:** 199.53.6xxx.911.99.289.911

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$152,500.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

The District will not be in compliance with visitor management.

**IMPLEMENTATION TIMELINE:** Upon approval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▣ Cooperative Information
- ▣ Signed Contract



www.navigate360.com

### Navigate360, LLC

**EMAIL PO & VENDOR QUOTE TO: TIPSPO@TIPS-USA.COM  
PO MUST REFERENCE VENDOR TIPS CONTRACT NUMBER**

	<u>PAYMENT TO</u>	<u>TIPS CONTACT</u>
ADDRESS	3900 Kinross Lakes Parkway	NAME Charlie Martin
CITY	Richfield	PHONE (866) 839-8477
STATE	OH	FAX (866) 839-8472
ZIP	44286	EMAIL tips@tips-usa.com

DISADVANTAGED/MINORITY/WOMAN BUSINESS ENTERPRISE: N      HUB: N

#### **SERVING STATES**

AL | AK | AZ | AR | CA | CO | CT | DE | DC | FL | GA | HI | ID | IL | IN | IA | KS | KY | LA | ME | MD | MA | MI | MN | MS | MO | MT | NE | NV | NH | NJ | NM | NY | NC | ND | OH | OK | OR | PA | RI | SC | SD | TN | TX | UT | VT | VA | WA | WI | WY | PR

#### **Overview**

*Navigate360 provides easy-to-use technology, comprehensive training, and expert guidance to help organizations build safe environments now.*

## AWARDED CONTRACTS "View EDGAR Doc" on Website

Contract	Comodity	Exp Date	EDGAR
210101	Technology Solutions, Products and Services	05/31/2026	See EDGAR Certification Doc.
230202	Security Systems Products and Services	04/30/2026	See EDGAR Certification Doc.
24020301	Fire, Firearm, and Active Shooter Safety and Security Solutions	04/30/2029	See EDGAR Certification Doc.

## CONTACTS BY CONTRACTS

### 210101

Jennifer Westfall	Senior RFP & Grant	(330) 661-0106	jwestfall@navigate360.com
Brian Carter	Chief Revenue	(330) 661-0106	bcarter@navigate360.com
Cheryl Strunk	Staff Accountant	(330) 661-0106	cstrunk@navigate360.com

### 230202

Jennifer Westfall	Director RFPs &	(330) 523-6988	jwestfall@navigate360.com
Brian Carter	Chief Revenue	(919) 817-6266	bcarter@navigate360.com

### 24020301

Jennifer McConnell	Director RFPs &	(330) 661-0106	jmccConnell@navigate360.com
Jeremy Kelly	Regional Vice	(330) 661-0106	jkelly@navigate360.com

**VENDOR CONTRACT**  
**(Goods and Services)**

THIS VENDOR CONTRACT FOR GOODS AND SERVICES ("this Contract") is between NAVIGATE360, LLC (the "Vendor") and the EL PASO INDEPENDENT SCHOOL DISTRICT ("District"). The Effective Date of this Contract is June 30, 2024 regardless of when executed. For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

1. **Term.**

1.1 **Term.** The term of this Contract shall be for a period from June 30, 2024 through June 29, 2025, [with 0 year(s) annual renewal(s)] unless earlier terminated in accordance with this Contract. Annual renewals, if any, shall be at the sole discretion of the District.

1.2 **Non-Appropriation.** In the event the Contract is awarded for a term greater than one year or extending beyond the District's current budget period, it will be subject to approval at the commencement of each of the District's budget years. Vendor agrees that the District has the continuing right to terminate this Contract without notice at the end of a District budget period in which funds for this Contract are not appropriated. In such event the Contract may be terminated as soon as practicable after the event of non-appropriation or upon 30-days' prior written notice whichever provides the longest notice.

2. **Cancellation/Termination.**

2.1 **Termination.** This Contract may be terminated as follows: (a) by either party in the event of material breach of this Contract by the other party which continues more than thirty (30) days after written notice of default from the non-breaching party to the breaching party; or (b) by the District at its option: (i) if Vendor fails, as determined by the District's representative, to satisfactorily perform the duties set out in this Contract, comply with any covenant herein required or breach any warranty provided herein; becomes insolvent, files or has filed against it a petition in bankruptcy, proposes or accomplishes any dissolution, liquidation, composition, financial reorganization or recapitalization with creditors; (ii) if a receiver, trustee, custodian, or similar agent is appointed or takes possession of any property or business of Vendor; (iii) if, at the expiration of each District budget period occurring during the term of this Contract, funds for this Contract are not appropriated as provided in Section 1.2 above; or (iv) with or without cause upon thirty days prior written notice from the District to Vendor. In the event of early termination of the Contract for any reason, the total compensation which may be claimed by Vendor under this Contract shall be limited [subject to other limitations in this Contract or applicable law] to the payment for the conforming Goods and/or Services timely provided by the date of termination.

2.2 **Effect.** Within forty-five (45) calendar days of the effective date of completion, or termination or expiration of this Contract, Vendor shall submit to District its claims, in detail, for the monies owed by District for Services satisfactorily performed or Goods delivered and accepted under this Contract through the effective date of termination. **Failure by Vendor to submit its claims within forty-five (45) calendar days shall negate any liability on the part of District and constitute a waiver by Vendor of any and all right or claims to collect monies that Vendor may rightfully be otherwise entitled to for Services satisfactorily performed or Goods delivered under this Contract.** Regardless of how this Contract is terminated, Vendor shall effect an orderly transfer to District or to such person(s) or firm(s) as the District may designate, at no additional cost to District. Upon the effective date of expiration or termination of this Contract, Vendor shall cease all operations of Services being performed or delivery of Goods by Vendor, or any of its subcontractors, pursuant to this Contract. All completed or partially completed documents, papers, records, charts, reports, and any other materials or information produced, or provided to Vendor, in connection with the Services rendered by Vendor under this Contract, regardless of storage medium, shall be transferred to District. Such record transfer shall be completed within thirty (30) calendar days of the termination date and shall be completed at Vendor's sole cost and expense. Payment of compensation due or to become due to Vendor is conditioned upon delivery of all such documents.

3. **Right to Assurance.** Whenever the District in good faith has reason to question the Vendor's intent to perform, the District may demand that the Vendor give written assurance of its intent to perform. In the

event that a demand is made and no assurance is given within five business (5) days, the District may treat this failure as an anticipatory repudiation of the Contract.

4. **Remedies.** In the event of default of this Contract by Vendor, the District shall have all of, and may exercise one or more of, the following rights and remedies: (a) the right to recover damages; (b) the right to seek injunctive relief; (c) the right to seek declaratory relief; (d) the right to off-set and/or retain from payments otherwise due to Vendor damages, fees, and costs sustained or incurred by the District in connection with such breach; (e) the right to terminate this Contract as provided herein; and (f) any of its rights and remedies in law or equity. In no event shall District's action of terminating this Contract, whether for cause or otherwise, be deemed an election of District's remedies, nor shall such termination limit, in any way, at law or at equity, District's right to seek damages from or otherwise pursue Vendor for any default hereunder or other action.

5. **Force Majeure.** If by reason of Force Majeure (i.e. acts of God, strikes, lockouts, or other industrial disturbances, etc.), either party hereto shall be rendered unable, wholly or in part, to carry out its obligations under this Contract, then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

6. **Goods and Services to Be Delivered.**

6.1 Delivery, Packaging and Acceptance of Goods.

A. Vendor agrees to provide the Goods listed and described in Exhibit "A," which is attached hereto and incorporated herein by reference for all purposes [or any subsequent Goods required to be delivered to the District under this Contract] (collectively, the "Goods"). Unless otherwise stated in Exhibit "A", the Goods shall be delivered in accordance with the following Standard Delivery Terms:

(i) F.O.B. District's James Gamble Facility, 4900 Woodrow Bean Drive, El Paso, Texas 79924.

(ii) Goods will be packed in accordance with good commercial practice and in a manner which will facilitate securing the lowest transportation costs, conform to requirements of common carriers and any applicable specifications. Each shipping container shall be clearly and permanently packed and identified with: (a) Vendor's name and address; (b) if applicable, consignee's name, address and purchase order and bid number; (c) container number and total number of containers, e.g. box 1 of 4 boxes; and (d) the number of the container bearing the packing slip. Vendor shall bear cost of packaging unless otherwise provided. The District's count or weight determination shall be final and conclusive on shipments not accompanied by packing slips/lists. The Goods will be delivered with an Operator's Manual and a Maintenance and Parts Manual, if one exists.

(iii) The District assumes no liability for Goods delivered in damaged or in unacceptable condition. The Vendor shall handle all claims with insurance carriers, and in the event that Goods are damaged in transit shall ship replacement Goods immediately upon notification by the District of damage. Delivery will be made between the hours of 8:00 a.m. and 3:30 p.m. (MDT/MST) unless otherwise specified by the District in writing. Vendor is not authorized to ship the Goods under reservation and no tender of a Bill of Lading will operate as a tender of Goods. The District shall have the right to inspect the Goods at delivery before accepting them and no Goods will be accepted until written acceptance is provided by authorized District Representative. Any written warranties will commence upon acceptance of the Goods by the District.

(iv) Repair and Replacement Information. As the situation requires, the Vendor shall provide alternative quotes for both repair and replacement of any damaged Goods, if appropriate to the request. In the event the cost of repair is equal to or greater than seventy-five percent (75%) of the price of a new item, Vendor shall provide a written recommendation to

the District representative regarding the relative merits of repair or replacement of the item. Failure to adhere to these requirements may be grounds for the termination of the Contract.

## 6.2 Delivery of Services and Standard of Care.

A. Delivery. Vendor agrees to provide the Services listed and described in Exhibit "B," which is attached hereto and incorporated herein by reference for all purposes (collectively, the "Services"). Nothing contained in this Contract shall require District to pay for any unsatisfactory Services, as determined by District's representative, or for work that does not comply with the terms of this Contract.

B. Standard of Care. If the Services are performed by a non-professional Vendor, Vendor represents, covenants, and warrants that it will devote its good faith, best efforts in provision of the Services and will provide the Services with reasonable care and skill and in a good and workmanlike manner. If the Services are considered Professional Services, the Vendor further represents, covenants and warrants that it will provide the Services using the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same locale. Services will be provided in a manner consistent with industry standards and will conform to the required specifications set out herein, and shall be delivered in compliance with all applicable laws, rules, regulations, procedures and consistent with industry standards.

## 6.3 Warranties for Goods and Services.

A. Express Warranties. Vendor expressly represents, warrants and covenants, that:

(i) Vendor will devote its good faith, best efforts in provision of the Goods and/or Services.

(ii) Vendor has and will retain sufficient financial condition, working capital, experience, expertise, personnel, licenses, certifications, and authority to provide the Goods and/or Services, that it will provide copies of its licenses and certifications to the District upon request, and will comply with the vendor ethics policies of the District.

(iii) The Goods furnished conform with the specifications, drawings, descriptions and that the Services promised will adequately address the Scope of Services set forth in the Contract and its exhibits, the District's Request for Proposal, Request for Competitive Sealed Proposal or other solicitation for the Goods and/or Services contracted for herein (the "Solicitation Document"), and to any sample(s) furnished by Vendor, if any, in connection with the Contract or in response to the District's Request for Proposal.

(iv) The Goods and/or Services shall be delivered in compliance with all applicable laws, rules, and regulations, with District policies and procedures, and consistent with industry standards.

(v) In the event of a conflict between the specifications, drawings and descriptions of Goods to be provided, the specifications shall govern. In the event of a conflict between the Solicitation Document and the Contract, the Contract shall prevail.

(vi) All Goods are new and the quality of the Goods is consistent with or better than industry standard.

B. Implied Warranties.

(i) The Goods comply with all implied warranties, including but not limited to, the implied warranty of merchantability and fitness for the particular purpose for which they were obtained. The Vendor agrees to provide the Services agreed to herein in a good and workmanlike manner.

(ii) No implied warranties for Goods and/or Services or provided in connection with this Contract are waived modified or excluded by any provision of this Contract, or any terms and conditions included in any document prepared by the Vendor, and any provision so intended, or interpreted shall be treated as void *ab initio*.

C. Safety Warranty and Provision of Material Safety Data Sheets. As applicable, the Goods supplied to the District under this Contract shall conform to applicable standards promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act ("OSHA") of 1970. In the event the Goods do not conform to OSHA standards, the District will be permitted to refuse or return the non-conforming Goods for correction or replacement at the Vendor's expense. Where Goods to be delivered under this Contract require the maintenance of Material Safety Data Sheets ("MSDS"), a copy of the relevant MSDS will be made available to the District's representative prior to delivery of the relevant Goods.

6.4 No Warranties by District. No review, consent, or approval by the District of any documents prepared by Vendor shall constitute a representation or warranty by the District of the legality, suitability, or quality of the same or content thereof.

6.5 Reservation of Rights. The District reserves the right to use its own staff or any other third-party to provide the same or similar goods and/or services to the Goods and/or Services described herein.

7. Tax Exemption. The District is exempt from Federal Excise, State or City Sales Tax under State Law and such obligations are included in the price under this Contract. The District will furnish a tax exemption certificate, if required.

8. Invoicing and Payment. Compensation to Vendor is set forth on Exhibit "C," attached hereto and incorporated herein. Except as otherwise provided in Exhibit "C," Vendor shall invoice the District on or before the thirtieth (30<sup>th</sup>) day of each month, for the portions of the Goods delivered and accepted and/or Services performed during the preceding month at rates set forth on Exhibit "C." Reimbursable Expenses are included in the hourly rate or not to exceed pricing for Services unless specifically excluded. If excluded, Reimbursable Expenses will be itemized separately and documented by receipts for invoicing purposes. Invoices for Goods and/or Services shall not include Federal Excise, State or City Sales Tax for which an Independent School District is exempt under State law. The District shall furnish a tax exemption certificate, if required. The aggregate compensation from the District to Vendor for the Goods and/or Services shall not exceed the maximum figures stated in Exhibit "C." Vendor shall not be entitled to receive payments or amounts under the Contract in excess of the amounts appropriated for the then-current budget period of the District. The District shall make payment to the Vendor for amounts determined to be properly due, not later than thirty (30) days after its receipt of the Vendor's invoice or as required by the Texas Prompt Payment Act (Chapter 2251 of the Texas Government Code) or its successor. The maximum interest rate on any past due payments by the District to Vendor shall be limited to the rate provided by Section 2251.025 of the Texas Government Code or its successor. The District shall not be required to make any payments to Vendor at any time Vendor is in default under this Contract.

9. Confidential/Proprietary Information.

9.1 Confidential Information/Materials. Vendor understands that, during the term of this Contract, Vendor will have access to certain information belonging to the District and designated as confidential by the District or not generally known by non-District personnel (collectively, the "Confidential Information"). During the term of this Contract and at all times thereafter, Vendor shall not, without the prior written consent of the District, do any of the following, directly or indirectly: (a) use any of the Confidential Information for Vendor's own purposes or for the purposes of any person or entity other than the District; and/or (b) disclose any of the Confidential Information to any third party, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Vendor further shall take all steps necessary to prevent disclosure of Confidential Information by any other person or entity, during the term of this Contract and at all times thereafter, without the prior written consent of the District. All data, disks, lists, financial records, other records, documents, property, information, specifications, and materials of the District relating to the Goods and/or Services provided to Vendor during the term of this Contract, as well as all copies thereof (collectively the "Materials"), shall be and remain the sole and exclusive property of the District. None of the Materials shall be retained by Vendor, or shall be transmitted to anyone at any time, either now or in the future, except as reasonably and in good faith required in connection with

performance of this Contract by Vendor. Upon termination of this Contract, or upon request by the District, Vendor shall promptly return the Materials to the District. The Materials are included within the definition of Confidential Information. Vendor further agrees that, if it receives information or records concerning any student, it shall not disclose the same, except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA.

9.2 **Intellectual Property Rights.** If Vendor, as part of the delivery of the Goods and/or Services, will be working with the District, [all references to Vendor and District in this paragraph shall include their respective agents, employees and representatives], to create and/or develop materials or other work products, including visual, audio, written and graphic material (the “Resulting Work Product”) for which the Vendor will receive any consideration provided for in this Contract, the Resulting Work Product (including all of Vendor’s contributions to the creation or development of the Resulting Work Product), and any state or federal trademark rights, copyrights, patents or other intellectual property rights associated with the Resulting Work Product (collectively, the “Intellectual Property Rights”) will at all times remain the exclusive property of the District. Vendor agrees to assist the District in any way necessary, including executing any assignments or other documents, required to document the District’s ownership rights in the Resulting Work Product and the associated Intellectual Property Rights, as applicable; including taking any action necessary for the District to secure state or federal registration of its Intellectual Property Rights in the name of the District. No separate or additional consideration, other than the consideration paid under this Contract, will be provided by the District for any provision of any assignments or conveyance of the Resulting Work Product, or of Intellectual Property Rights associated with the Resulting Work Product. The Vendor shall assure that its authorized subcontractors or agents, not under its control as employees, are aware of this provision and are contractually bound thereby.

10. **Vendor Records and Retention.** The District or its authorized representative shall be afforded unrestricted access to and be permitted to inspect and copy all of the Vendor’s records, which shall include but not be limited to accounting records (hard copy as well as computer readable data), correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to this Contract. The Vendor shall preserve all such records for a period of five (5) years, after the District makes final payment and all other pending matters are closed, or for such longer period as may be required by law, after final payment under this Contract, including any extension thereof. To the extent that the requirements of 2 CFR § 200.333 apply to the Contract, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award, must be retained for the Vendor for only the period required by 2 CFR § 200.333 and the five (5) year requirement of this provision shall apply to all other documents. If no federal funds are expended by the District for the Contract, the five (5) year retention requirement provided herein will apply.

For a Contract involving at least \$1 million in Goods/Services, the following provision shall apply: Vendor shall preserve for the duration of this Contract all “contracting information” within the meaning of Texas Government Code Section 552.003(7) et. seq. relating to this Contract (the “Contracting Information”) as provided by the records retention requirements applicable to the District. Vendor shall provide to the District, upon its request, any Contracting Information that is in the custody or possession of Vendor. Upon completion of this Contract, Vendor shall either provide at no cost to the District all Contracting Information in the custody or possession of Vendor or instead preserve all Contracting Information as provided by the records retention requirements applicable to the District. Pursuant to Texas Government Code Section 552.372(b), the following notice is given to Vendor: The requirements of Subchapter J, Chapter 552, Government Code, may apply to this Contract, and Vendor agrees that the Contract can be terminated if Vendor knowingly or intentionally fails to comply with a requirement of that Subchapter.

## 11. **Indemnification.**

11.1 **General Indemnification.** Vendor agrees to INDEMNIFY, DEFEND, AND HOLD HARMLESS the District and its trustees, officers, agents, representatives and employees (collectively, the “Indemnified Parties”) from and against, any and all claims, causes of action, liability, lawsuits, judgments, costs, liens, losses, expenses, fees (including reasonable attorney’s fees and costs of defense), proceedings, actions, demands, and suits of any kind and nature, including but not limited to, personal injury (including death), property damage, or other harm for which recovery

of damages is sought that may arise out of or be caused by the negligent or intentional act, error, or omission of Vendor, or that of its agent, officer, representative, employee, or sub-consultant (collectively "Vendor Affiliate") while in the exercise or performance of the rights or obligations under this Contract. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of the Indemnified Parties, in instances where such negligence causes personal injury, death, or property damage. In the event Vendor and/or a Vendor Affiliate and any Indemnified Party are found jointly liable by a Court of competent jurisdiction, liability shall be apportioned comparatively in accordance with the laws of the State of Texas, without, however, waiving any governmental immunity available to the District, its employees/officials under Texas law and without waiving any defenses of District its employees/officials under the Texas Tort Claims Act or other Texas law. Vendor shall promptly advise District, in writing, of any claim or demand against an Indemnified Party, Vendor and/or a Vendor Affiliate known to Vendor, related to or arising out of activities of Vendor and/or a Vendor Affiliate under this Contract. The provisions of this Section are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

11.2 **Intellectual Property Rights Indemnification.** Vendor shall INDEMNIFY, DEFEND, AND HOLD HARMLESS the District, its elected officials, employees, officers, and representatives harmless from and against any and all liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) for infringement of any patent, copyright or similar property right including, but not limited to, misappropriation of trade secrets and any infringement by Vendor and its employees and consultants, in connection with any license provided, any deliverable or any Service furnished hereunder, and used by either the District or Vendor within the scope of this Contract (unless said infringement results directly from Vendor's compliance with District's written standards or specifications).

11.3 **Defense Counsel.** In connection with any indemnification obligation in this Section 11, District, in its sole discretion shall have the right to approve or select defense counsel to be retained by Vendor in fulfilling its indemnity obligation hereunder, unless such right is expressly waived by District in writing. District reserves the right to provide a portion, or all of its own defense, at its own expense; however, District is under no obligation to do so. Any such action by District is not to be construed a waiver of Vendor's obligation to defend District or a waiver of Vendor's obligation to indemnify District pursuant to this Section. Vendor shall retain District-approved defense counsel within seven (7) business days of District's written notice that District is invoking its right to indemnification under this Contract. If Vendor fails to retain counsel within such time period, District shall have the right to retain defense counsel on its own behalf, and Vendor shall be responsible for all costs incurred by District until such time as the Vendor provides a defense.

11.4 **Indemnity Survival.** The provisions of this Section 11 are solely for the benefit of the parties hereto, and not intended to create or grant any rights, contractual or otherwise, to any other person or entity and the obligations herein shall survive the termination or expiration of this Contract.

## 12. **Work On School District Campuses.**

12.1 **Notice Before Entry During School Hours and Decorum on District Campuses.** Vendor acknowledges that work may be performed in connection with an educational facility that is currently occupied and in use. It is imperative that Vendor's deliveries and/or performance of Services not interfere with, interrupt, disturb, or disrupt District's normal operations or facilities. During school hours, when entry is not made on an emergency basis, Vendor shall notify the District in advance and arrange an escort for Vendor's representative.

12.2 **Compliance with Campus Rules.** Vendor agrees to and shall comply with all rules, regulations and requirements of the District and the school campus on which work is to be performed, and shall take all steps necessary to protect and guard the safety of the employees, students and invitees of District. Vendor recognizes the ongoing school activities in proximity with its onsite activities shall result in the need for prompt and effective coordination of its Services with those involved in the ongoing use of the premises. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Vendor shall be responsible for the actions of its employees and its subcontractors. The

Vendor recognizes the site is a public-school campus, and will prohibit the possession or use of alcohol, controlled substances, tobacco, and any prohibited weapons on the site and shall require adequate dress of the Vendor's forces consistent with the nature of the work being performed.

13. **Criminal Background Checks.** Vendor shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, District Board Policy CH (Legal) and (Local), and other policies and administrative requirements relating to or arising from such statute and rule(s); shall ensure that no covered employee of Vendor or of any subcontractor [if authorized] with a disqualifying criminal history performs Services under the award at or for the District; and shall timely provide written certifications thereunder in such form and substance as requested by the District. Vendor understands that any failure to comply with the requirements of this Section may be grounds for termination of its Contract with the District.

14. **Relationship.** **This Contract does not constitute a joint venture or partnership of any kind between the parties hereto. In addition, the parties expressly understand and agree the provision of Goods and/or Services is and shall be considered independent contractor work performed by Vendor, using Vendor's own talents, contacts, tools, vehicles, and equipment, and that nothing in this Contract in any way creates an express or implied contract of employment between the District and Vendor. Vendor is not and shall not be an employee of the District for any purpose. Vendor is exclusively responsible for all administrative matters relating to its status hereunder or the Goods and/or Services, including without limitation, travel, lodging, and other expenses, any withholding and payment of all federal, state and local income taxes, FICA, FUTA, or other employment-related taxes, workers' compensation insurance, fringe benefit programs, or other benefits of any kind. Vendor represents that it is an independent contractor providing goods and/or services for hire similar to the Goods and/or Services to the general public, that it has full authority and capacity to enter into this Contract and provide the Goods and/or Services, and that execution or performance of this Contract by Vendor shall not violate any other agreement or covenant or any law.**

15. **Federal Edgar Provisions.** Vendor acknowledges in the event federal funds are used to fund the Goods and/or Services delivered under the Contract, Vendor will abide by all applicable federal laws, rules, and regulations, executive orders, and policies, procedures and directives applicable to the Contract, including but not limited to the following:

15.1 **Contractual Remedies.** Vendor agrees that it will comply with all administrative, contractual, legal remedies, sanctions, and penalties for violation or breach that are included in this Contract.

15.2 **Wage and Hour Requirements.** To the extent this Contract involves the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), which requires Vendor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. This provision will not apply to the District's purchases from Vendor of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

15.3 **Clean Air Act and EPA.** Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 -7671q) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387) and agrees to promptly notify the District of any violation.

15.4 **Debarment and Suspension.** Vendor has certified that neither the Vendor nor its principals were listed on the government-wide exclusions in the System for Award Management ("SAM") that neither the Vendor nor its principals are debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549 at the time this Contract was executed. Vendor further agrees on behalf of itself and its principals, to immediately provide written notification to the District if, at any time following execution of this Contract, Vendor or one of its principals learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances, or if Vendor or one of its principals is later listed on the government-wide exclusions in

SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Failure to notify the District of erroneous information within five (5) business days of change in circumstances shall be grounds for immediate termination, but termination of Vendor shall not be an election of remedy by the District.

15.5 Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352. Vendor confirms its certification to the District that:

A. No Federal appropriated funds have been paid or will be paid, by or on behalf of Vendor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

B. Vendor further certifies that if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Vendor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Vendor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., providing administrative remedies for false statements, apply to this certification and disclosure, and that this certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Finally, Vendor agrees that it will require the language of this certification be included in the award documents for all lower-tier contractors it hires, and that it will ensure all subcontractors make the same certification in connection with work done under the Contract. The certification in this Section is a material representation of fact upon which the District has placed its reliance.

15.6 Compliance with Mandatory Provisions of State Energy Conservation Plan. Vendor shall comply with the all mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201), if any.

15.7 Compliance with Solid Waste Disposal Act. If the District purchased the same item or items from the Vendor under this Contract, which were purchased by the District during the preceding fiscal year, and the prior purchase exceeded \$10,000, Vendor agrees that it will comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, where applicable, and that it will provide information and certifications required by the District confirming estimates and otherwise evidencing such compliance.

15.8 Equal Employment Opportunity Clause. Vendor represents, warrants and certifies that, during the performance of the Contract:

A. it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination;

B. it will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin;

C. it will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with Vendor's legal duty to furnish information;

D. it will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

E. it will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor;

F. it will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders;

G. in the event of Vendor's non-compliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations, or orders, the Contract may be canceled, terminated or suspended in whole or in part and the Vendor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law; and

H. it will include the provisions of paragraphs (A) through (G) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. Vendor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event Vendor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Vendor may request the United States to enter into such litigation to protect its interests.

15.9 Termination for Convenience. Notwithstanding any provision to the contrary contained in this Contract, if federal funds are used to fund the purchase represented by this Contract, the District reserves the right to terminate this Contract for convenience. In such event, the District agrees it will be responsible for all legitimate charges with respect to periods prior to the termination.

16. Miscellaneous.

16.1 Assignment/Delegation. Without the prior written consent of the other party, no party shall have right or power to assign this Contract in whole or in part, or to delegate or sub-contract any duties hereunder in whole or part. Any attempted assignment or delegation by Vendor shall be wholly void and ineffective for all purposes unless made in the conformity with this paragraph.

16.2 Governing Law and Venue. **THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND IS PERFORMABLE IN EL PASO COUNTY, TEXAS.**

16.3 No Waiver of Immunity. The District reserves, and does not waive, its rights of sovereign/governmental immunity and similar rights, immunities and rights of its officials and employees, under the Texas Tort Claims Act. Nothing herein shall be a consent to suit.

16.4 No Third-Party Beneficiaries. This Contract, and every provision thereof, shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns. No term or provision of this Contract shall benefit or obligate any person or entity not a party to it. The parties hereto shall cooperate fully in opposing any attempt by any third person or entity to claim any benefit, protection, release or other consideration under this Contract.

16.5 Context. Wherever the context shall require, the singular shall include the plural, and the male gender shall include the female gender and the neuter, and vice versa.

16.6 Attorney's Fees. In the event that either party brings an action to enforce or interpret any provision of this Contract, the prevailing party will be entitled to recover its costs and expenses including, without limitation, reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which it shall be entitled to receive, as determined by the trier of fact in such dispute.

16.7 Waiver. No waiver, change, modification or discharge by either party hereto of any provision of this Contract shall be deemed to have been made or shall be effective, unless expressed in writing and signed by the party to be charged. A waiver by either party of a breach of any of the terms, conditions, covenants or guarantees of this Contract shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either party to insist in any one or more cases upon the strict performance of any of the covenants of this Contract, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. No act or omission by a party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

16.8 Severability. Any provision, or part thereof, of this Contract held by a court of competent jurisdiction to be invalid or unenforceable shall not impair or invalidate the remainder of this Contract and the effect thereof shall be confined to the provision, or part thereof, so held to be invalid or unenforceable.

16.9 Time of Essence. Time is of the essence with respect to Vendor's obligations hereunder.

16.10 Public Records. Records relating to this Contract may be subject to disclosure pursuant to the Texas Public Information Act f/k/a Open Records Act, Section 552.001 et. seq. of the Texas Government Code. To the extent any of the Goods and/or Services under this Contract involve the exchange or creation of Public Information as defined by such Act, the Vendor shall make any such information, not otherwise exempted from disclosure under such Act, available in writing and electronically in Microsoft Word, Microsoft Excel and or Adobe Acrobat.

16.11 Notices. All notices to a party under this Contract shall be provided by certified mail, return receipt requested, to the address set forth for the respective party beneath its signature block in this Contract, or such other address as later provided by a party through written notice to the other party.

16.12 Advertising. Vendor shall not advertise or publish, without the District's prior consent, the fact that the parties have entered into this Contract, except to the extent necessary to comply with proper requests for information from a representative of the federal, state, or local government.

16.13 Right to Audit and Records Access. The District, or its authorized representative (including Texas Education Agency and the Comptroller General), shall be given reasonable access to records and rights to perform audits by the District's own personnel and/or an outside firm of consultants/auditors, in order to investigate the District's claims, the Services, and/or evaluate the performance of the Vendor. The Vendor agrees to provide full cooperation during this process. Performance of these functions shall be

conducted with proper notification per customary industry standards. Vendor agrees to maintain all required records for five (5) years after the District makes final payment and all other pending matters are closed.

16.14 Israel Certification. Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

16.15 Firearms Certification. The Vendor represents, warrants, and covenants to the District that the Vendor: (a) does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (b) will not discriminate against a firearm entity or firearm trade association during the term of this Contract. For purposes of this provision, the terms “firearm entity”, “firearm trade association” and “discriminate against a firearm entity or a firearm trade association” shall have the same meaning as set forth in Government Code Section 2274.001 et. seq.

16.16 Energy Company Certification. Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001, (a) does not boycott energy companies; and (b) will not boycott energy companies during the term of this Contract.

16.17 Entire Contract/Modification. **THIS CONTRACT IS THE FINAL, COMPLETE, AND ENTIRE CONTRACT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER AND SUPERSEDES ALL PRIOR COMMUNICATIONS, ORAL OR WRITTEN, BETWEEN THE PARTIES RELATING TO MATTERS HEREIN. THIS CONTRACT MAY BE MODIFIED OR RESCINDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY BOTH PARTIES TO THE CONTRACT BY AND THROUGH THEIR DULY AUTHORIZED AGENTS. Changes to this Contract may only be made by mutual written agreement of the parties, which must contain the authorized signature of the District's Superintendent or the President of the District's Board of Trustees.** No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this Contract shall not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. In the event of any conflict between this Contract and the General Terms and Conditions of the contract attached to the Solicitation Document, the terms of this Contract shall control.

[Signatures on next page]

EXECUTED as of the \_\_\_\_ day of \_\_\_\_\_, 2024.

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Diana I. Sayavedra, Superintendent

APPROVED AS TO FORM  


By: \_\_\_\_\_  
Jeanne C. Collins, General Counsel  
**Signed: Tuesday, June 11, 2024**

ADDRESS FOR NOTICE:

El Paso Independent School District  
Attn: Superintendent  
1014 N. Stanton Street  
El Paso, Texas 79902

With Copy to:  
General Counsel  
El Paso Independent School District  
1014 N. Stanton Street  
El Paso, Texas 79902

VENDOR: NAVIGATE360, LLC

By:   
\_\_\_\_\_  
~~Heather Connelly, National Industry Specialist~~  
**Brian Carter, CRO**  
(Printed Name and Title)

ADDRESS FOR NOTICE:

Navigate 360, LLC  
1113 Medina Rd Suite #700  
Medina, OH 44256

**EXHIBIT "A"**  
**Goods to Be Delivered and Pricing**

**If Delivery By Unit Pricing:**

<b>Product</b>	<b>Description</b>	<b>Quantity</b>	<b>Annual Price</b>
Emergency Management Suite Subscription - per Student	Emergency Management Suite Platform subscription with full unlimited access to all users.	50000 Students	\$90,000.00
Behavioral Threat & Suicide Case Management Subscription- NTAC Per Student	Threat Assessment Platform using NTAC methodology with full unlimited access to all users.	50000 Students	\$62,500.00

**Total: \$152,500.00**

**Other Description of Goods To Be Delivered: See Exhibit "B".**

**EXHIBIT “B”**  
**Scope of Services and Deliverables**

**Scope of Services:**

Place(s) of Provision of Services:  
Districtwide

Date(s)/Period of Provision of Services:  
June 30, 2024 – June 29, 2025

**Description of Services:**

Navigate360 is a software system that will provide holistic safety and wellness solutions to prevent, prepare for, respond to, and recover from critical incidents.

Emergency Preparedness Software Solution features student tracking, drill management, response, and reunification modules. It includes an Emergency Safety app designed to help school and business staff respond safely and effectively during drills and emergencies. The various components of the app address different safety needs including step-by-step emergency response procedures using the following features: Real-time Emergency Response Flipcharts which put emergency procedures front and center and provides staff with immediate access to the steps to handle various situations. For schools, the app empowers staff to account for students, by name, during drills and emergencies.

Behavioral Threat Assessment Software Solution features a platform for users to identify, track, and manage student behavior to mitigate threats. Behavioral Threat and Suicide Case Management provides multidisciplinary threat assessment teams and mental health specialists an evidence-based assessment, case management, and analytics reporting process to proactively improve outcomes for students of concern. The goals are to reduce violence and self-harm in schools as well as liability and compliance protection through a consistent and documented evidence-based process. Overall, the software identifies, assesses, and intervenes on threats of violence to self or others.

**Deliverables:**

<b>Report or Other Deliverable</b>	<b>Expected Delivery Date</b>
N/A	N/A

**EXHIBIT "C"**  
**Compensation**

**Compensation** [mark/complete one or more as applicable]:

N/A \$ \_\_\_\_\_ (Lump Sum/Fixed Price)

N/A Payable at completion.

N/A Quarterly Payments of \$ \_\_\_\_\_ beginning \_\_\_\_\_.

N/A Payable as follows:

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

N/A \$ \_\_\_\_\_ per \_\_\_\_\_, (with a not to exceed cap of \$ \_\_\_\_\_)

N/A \$ \_\_\_\_\_ per hour, (with not to exceed cap of \$ \_\_\_\_\_, based on rates below) payable monthly based upon hours and types of Goods and Services provided and documented in invoice.

Other [please explain]: District will pay \$152,500.00 within 30 days after receipt of invoice and after satisfactory delivery and/or activation of all goods and/or services.

**Expenses:** [Description]: \_\_\_\_\_ N/A

**Total Compensation for Goods and Services Permitted under this Contract:** \$152,500.00.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS CONTRACT IS CONDITIONED UPON THE COMPENSATION FOR THE INITIAL TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS CONTRACT IS VOID.**

**ADDITIONALLY, FOR THE TERM OF THIS CONTRACT, THIS CONTRACT IS CONTINGENT UPON ITS UNDERLYING PROCUREMENTS (TIPS RFP 210101 TECHNOLOGY SOLUTIONS, PRODUCTS AND SERVICES) BEING VALID FOR THE ENTIRE CONTRACT AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Sixth Amendment to Vendor Contract and Expenditures for Zendesk Work Order Ticketing System from SHI Government Solutions, Inc., Utilizing The Interlocal Purchasing System (TIPS) Contract #230105, Technology Solutions, Products, and Services (Budgeted Local Funds - \$244,512.80)*

**JUSTIFICATION STATEMENT:**

(To continue utilizing the Zendesk work order ticketing system to provide quality customer service to both internal and external customers)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Manny Verduzco and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever V: Equity by Design - El Paso ISD champions a targeted approach to universal access and system equity.*

**SUMMARY:**

The Interlocal Cooperative Agreement is one (1) of seven (7) approved purchasing methods allowed under the Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000.00.

Administration uses Zendesk as the primary work order ticketing system. Stakeholder requests for technology support are managed through this application. In addition, Zendesk provides analytics and reporting capabilities used by the Technology Department to monitor productivity in meeting the District's needs.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the Sixth Amendment to Vendor Contract and authorize expenditures for Zendesk Work Order Ticketing System from SHI Government Solutions, Inc., utilizing The Interlocal Purchasing System (TIPS) Contract #230105, Technology Solutions, Products, and Services, in the amount of \$244,512.80, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget.

**FUNDING SOURCE:** Budgeted Local Funds **ACCOUNT NO.:** 199.53.6XXX.911.99.XXX.911

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$244,512.80
- **FUTURE/ONGOING:** N/A

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

The District would not be able to track the work being conducted throughout the District.

**IMPLEMENTATION TIMELINE:** Upon Approval

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▣ TIPS Contract
- ▣ Signed Contract



**AUTOMATED VENDOR (DO NOT SEND PO TO TIPS)**

EMAIL PURCHASE ORDER TO: [texas@shi.com](mailto:texas@shi.com)

PO MUST REFERENCE TIPS CONTRACT NUMBER

**Notice:**

Many Vendors utilize specific warranties, subscription agreements, license agreements, EULA's, etc. ("Supplemental Agreements") when you purchase specific goods or services from that Vendor. Since the Supplemental Agreements do not necessarily apply to every Member, every jurisdiction, or every purchase, TIPS does NOT now negotiate the terms of those agreements on Members' behalf. If you are required to sign such a supplementary agreement by the TIPS Vendor, TIPS strongly encourages Members not to proceed with a purchase until they have carefully reviewed and negotiated all applicable Supplemental Agreements. TIPS recommends you work with your entity's legal counsel to ensure compliance with the legal requirements of your entity and your jurisdiction.

[TIPS Purchase Order Procedure here](#)

<b>OVERVIEW</b>	DUE DILIGENCE	CONTACTS	PRINT PROFILE	RESELLERS
-----------------	---------------	----------	---------------	-----------

 [Print](#)

VENDOR [SHI Government Solutions](#)

3828 Pecana Trail Austin TX,78749

WEBSITE [texas.gs.shi.com/account-home](https://texas.gs.shi.com/account-home)

SERVICE/PRODUCTS DESCRIPTION SHI Government Solutions is a provider of computer software, hardware, cloud, peripherals, networking products, accessories and a broad range of IT professional services.

CONTRACT: **230105** [Technology Solutions Products and Services](#)

End Date: May-31-2028 EDGAR COMPLIANCE: [View Doc.](#)

**SIXTH AMENDMENT TO VENDOR CONTRACT**

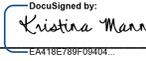
THIS SIXTH AMENDMENT TO VENDOR CONTRACT ("Sixth Amendment") is made as of the date written below between SHI/GOVERNMENT SOLUTIONS, INC. ("Vendor") and the EL PASO INDEPENDENT SCHOOL DISTRICT ("District"). For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

1. Vendor and the District are currently parties to that certain Vendor Contract [Goods and Services] dated May 7, 2018 between Vendor and District, including an Addendum, Scope of Work, and Master Services Agreement between District and Zendesk, Inc. (collectively the "Contract").
2. The Contract was first amended on August 31, 2018. The parties entered a Second Amendment to Vendor Contract on February 28, 2020. The parties entered a Third Amendment to Vendor Contract on June 23, 2021. The parties entered a Fourth Amendment to Vendor Contract on August 17, 2022. The parties entered a Fifth Amendment to Vendor Contract on August 31, 2023, with a term from August 1, 2023 through July 31, 2024.
3. The parties agree to amend the Contract so that Vendor may continue providing Goods and Services under the Contract to District, and provide that the Goods and Services set forth in Exhibit "A" of the Contract (as Quotation 13750467), Exhibit "1" of the First Amendment (as Quotation 15714534), Exhibit "2" of the Second Amendment (as Quotation 17335622), Exhibit "3" of the Third Amendment (as Quotation 20417238), Exhibit "4" of the Fourth Amendment (as Quotation 22036888) and Exhibit "5" of the Fifth Amendment (as Quotation 23840003) are now replaced in their entirety by the Goods and Services described in Exhibit "6" (as Quotation 24797778). Specifically, Quotations 13750467, 15714534, 17335622, 20417238, 22036888, and 23840003 attached to the Contract, First Amendment, Second Amendment, Third Amendment, Fourth Amendment, and Fifth Amendment shall cease to be in effect as of August 1, 2024.
4. The parties further agree the total compensation to Vendor set forth in Exhibit "B" of the Contract, First Amendment, Second Amendment, Third Amendment, Fourth Amendment, and Fifth Amendment is hereby replaced by the sum of \$244,512.80, with such sum payable at the completion of the installation/delivery of Goods and Services on Exhibit "6", and the total compensation for these Goods and Services permitted under the Contract is amended to be \$244,512.80 as shown on Exhibit "6".
5. The parties acknowledge and agree that the Goods and Services under this Sixth Amendment are being procured through TIPS-Technology Solutions, Products, and Services Contract #230105 ("TIPS Contract"). The TIPS Contract specifically prohibits automatic renewals. As such, the original Contract Term in Section 1.1 was previously amended in the Fifth Amendment to delete the last sentence "The term of this Contract shall be perpetual." In addition, the original Contract Exhibit "A" reference to the perpetual nature of the Contract was also deleted in accordance with the Fifth Amendment. Therefore, the term of this Sixth Amendment shall be from August 1, 2024 through July 31, 2025.
6. Except as expressly amended herein, the capitalized terms here in shall have the same meaning as in the Contract and any amendments thereto.

- 7. Except as expressly amended in this Sixth Amendment, the Contract and any amendments thereto shall remain in full force and effect according to its terms. Any amendment shall be in writing and signed by all parties.

Executed as of the \_\_\_\_ day of \_\_\_\_\_, 2024.

VENDOR: SHI/GOVERNMENT SOLUTIONS, INC.

By:  \_\_\_\_\_  
EA118E789F09404...

Name: Kristina Mann

Title: Sr. Manager – Contracts

ADDRESS FOR NOTICE:

1301 South Mo-Pac Expressway, Ste 375  
Austin, Texas 78746

EL PASO INDEPENDENT SCHOOL DISTRICT:

By: \_\_\_\_\_

Diana I. Sayavedra, Superintendent

APPROVED AS TO FORM 

By: \_\_\_\_\_

Jeanne C. Collins,  
~~General Counsel~~ **Signed Tuesday, June 4, 2024**

ADDRESS FOR NOTICE

El Paso Independent School District  
Attn: Superintendent  
1014 N. Stanton  
El Paso, Texas 79902

With Copy to:

General Counsel  
El Paso Independent School District  
1014 N. Stanton  
El Paso, Texas 79902

**Exhibit “6”**



Pricing Proposal  
 Quotation #: 24797778  
 Created On: 4/30/2024  
 Valid Until: 6/30/2024

---

**TX-City of El Paso Independent School District**

---



---

**Inside Account Manager-  
Public Sector**

---

**Victor Armendariz**  
 PO BOX 20100  
 ATTN: ACCOUNTS PAYABLE  
 EL PASO, TX 79998  
 United States  
 Phone: (915) 2302603  
 Fax:  
 Email: varmend1@episd.org

**Bianca Lee**  
 3828 Pecana Trail  
 Austin, TX 78749  
 Phone: 800-527--6389  
 Fax:  
 Email: bianca\_lee@shi.com

All Prices are in US Dollar (USD)

Product	Qty	Retail	Your Price	Total
1 Zendesk Suite - Enterprise (Per Agent) Zendesk - Part#: NPN Contract Name: TIPS - Technology Solutions, Products and Services Contract #: 230105 Serial #: Zendesk ID: 1948312 Coverage Term: 8/1/2024 – 7/31/2025 <b>Note: One Year</b>	140	\$0.00	\$1,746.52	\$244,512.80
			Shipping	\$0.00
			<b>Total</b>	<b>\$244,512.80</b>

**Additional Comments**

---

**Hardware items on this quote may be updated to reflect changes due to industry wide constraints and fluctuations.**

**Thank you for choosing SHI-GS! The pricing offered on this quote proposal is valid through the expiration date set above. To ensure the best level of service, please provide End User Name, Phone Number, Email Address and applicable Contract Number when submitting a Purchase Order. SHI Government Solutions, Inc. is 100% Minority Owned, Woman Owned Business. TAX ID# 22-3695478; DUNS# 14-724-3096**

---

*The products offered under this proposal are resold in accordance with the terms and conditions of the Contract referenced under that applicable line item.*



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Expenditures to Renew JAMF Software from Apple Inc., Utilizing Harris County Department of Education (HCDE) Choice Partners Cooperative Contract #23/036SG-01, Computers, Hardware, Technology Devices, Maintenance, and Related Services (Budgeted Local Funds - \$434,545.00)*

**JUSTIFICATION STATEMENT:**

(To continue to provide mobile device management licenses to the District)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Manny Verduzco and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever II: Academic Excellence - El Paso ISD empowers all learners to excel in current and future pursuits.*

**SUMMARY:**

The Interlocal Cooperative Agreement is one (1) of seven (7) approved purchasing methods allowed under the Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000.00.

The Information Security and Technology Department requests the renewal of JAMF software from Apple Inc., to provide the District with the ability to deploy applications, control, find, and manage District devices.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the renewal of JAMF software from Apple Inc., utilizing Harris County Department of Education (HCDE) Choice Partners Cooperative Contract #23/036SG-01, Computers, Hardware, Technology Devices, Maintenance, and Related Services, in the amount of \$434,545.00, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget.

**FUNDING SOURCE:** Budgeted Local Funds **ACCOUNT NO.:** 199.11.63XX.911.11.XXX.911

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$434,545.00
- **FUTURE/ONGOING:** N/A

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

The District will be exposed to a significant delay in the amount of time that it would take to manage devices manually.

**IMPLEMENTATION TIMELINE:** Upon Approval

**COMMENTS RECEIVED, IF ANY:**

N/A

**ATTACHMENTS:**

Description

- ▢ Choice Partners Cooperative
- ▢ Signed Contract



Choice Partners national purchasing cooperative offers quality, legal procurement and contract solutions to meet government purchasing requirements. We also meet all cooperative requirements of the EDGAR/Uniform Guidance/2 CFR 200!

877.696.2122

[Home](#) > [Vendors](#) > [Available Contracts](#) > [Apple Inc.](#)

[Print Info.](#)

## Apple Inc.

**Contract Category:** Computers, Hardware, Technology Devices, Maintenance, and Related Services

**Contract Number:** 23/0365G-01

**Contract Terms:**

Initial Award Date: May 17, 2023

1<sup>st</sup> Renewal Start Date: May 17, 2024

Current Expiration Date: May 16, 2025

Renewal Options Remaining: 3

**CP Contract Manager:**

Steve Gibson

[steve@choicepartners.org](mailto:steve@choicepartners.org)

713-661-6052

**Contract Partner:** Apple Inc.

**Contract Partner Web Site:**

<http://www.apple.com>

**Approved Market Area:** TX

### APPROVED PRODUCT OR SERVICE:

Computers, Hardware, Technology Devices, Maintenance, and Related Services.

**Members - log in, then visit this same page for contract contact information, due diligence access, and ordering instructions. To transition your existing Apple account method of purchase to Choice Partners, please send an email request to Apple Accounts [eaccountteam@apple.com](mailto:eaccountteam@apple.com) . Please include in your email that you would like to change your contract to the Choice Partners Contract 23/0365G-01.**

**HUB Status:** No

**MWBE Status:** No

**SBE Status:** No

### ABOUT THIS PARTNER:

Apple designs, manufactures, and markets mobile communication and media devices and personal computers, and sells a variety of related software, services, accessories, networking solutions, and third-party digital content and applications.

To see contract information details, please login.

If you are a **Member**, [please login here](#).



# Apple Inc. Education Price Quote

**Customer:**

Jesse Ojeda  
EL PASO ISD ACCOUNTS PAYABLE  
Phone: 1915-283-1987  
Email: jaojeda@episd.org

**Apple Inc:**

Ernesto Ayala  
Email: ernestoayala@apple.com

**Apple Quote:**

2212692363

**Quote Date:**

June 07, 2024

**Quote Valid Until:**

July 07, 2024

**Quote Comments:**

Choice Partners (Contract No. 23/0365G-01).

1 year renewal (term)

Please include this number on your purchase order.

Item #	Details	Qty	Unit List Price	Extended List Price
1	<b>JAMF PRO 1YR IOS EDU LIC - CUSTOM-USA</b> Part Number: HMTC2LL/A	46355	\$5.00	\$231,775.00
2	<b>JAMF PRO 1YR MAC ED LIC - CUSTOM ESD-USA</b> Part Number: HPE02LL/A	18477	\$10.00	\$184,770.00
3	<b>Jamf Premium Support Plus</b> Part Number: HLYN2LL/A	1	\$18,000.00	\$18,000.00

<b>Education List Price Total</b>	<b>\$434,545.00</b>
Additional Tax	\$0.00
Estimated Tax	\$0.00
Total Tax	\$0.00
<b>Extended Total Price*</b>	<b>\$434,545.00</b>

*\*In most cases Extended Total Price does not include Sales Tax  
\*If applicable, eWaste/Recycling Fees are included. Standard shipping is complimentary*

[Terms & Use](#) | [Privacy Policy](#) | [Return Policy](#)

Apple Quote ID: 2212692363

Copyright © 2022 Apple Inc. All rights reserved. Date of last revision - December 8th, 2022

Page 1 of 2

# Disclosure

This document has been created for you as Apple Quote ID 2212692363.

Your institution's Authorized Purchaser may submit an order online at <https://ecommerce.apple.com>. Go to the Quote area of your Apple Online Store, click on it and convert to an order.

- If you're the authorized purchaser and need assistance in registering for access to the Apple Online Store, please contact your Apple Sales Representative.

**This is a quote for the sale of products or services. Your use of this quote is subject to the following provisions which can change on subsequent quotes:**

- A. Any order that you place in response to this Quote will be governed by the purchase agreement between Apple Inc. ("Apple") and you or another entity under which you're authorized to purchase under, in effect at the time you place the order.
  - If you do not have a purchase agreement in effect with Apple, please contact [csteam.edu@apple.com](mailto:csteam.edu@apple.com).
- B. All sales are final. Please review Return Policy below if you have any questions. If you use your institution's Purchase Order form to place an order in response to this Quote, Apple rejects any Terms set out on the Purchase Order that are inconsistent with or in addition to the Terms of the governing purchase agreement between the parties.
- C. Unless this Quote specifies otherwise, it remains in effect until the Quote Valid Until Date set forth above. Apple reserves the right to withdraw this Quote before an order is placed, modify, or cancel any provision of this Quote, or cancel any orders placed.

El Paso Independent School District

Apple Inc.

---

Diana I. Sayavedra, Superintendent

*Johnny Mendoza*  
\_\_\_\_\_  
Johnny Mendoza, US Bldg Project Coordinator

Approved as to form:

---

Cozy Collins, General Counsel  
EPISD

*Cozy Collins*

Signed: Tuesday, June 11, 2024

[Terms & Use](#) | [Privacy Policy](#) | [Return Policy](#)



Apple



## Apple Direct Customer Agreement

(v26Sep2018v2)

This Agreement is entered into by and between Apple Inc., a California corporation located at One Apple Park Way, Cupertino, California 95014 ("Apple") and Customer, each of whom agrees to be bound by and comply with all terms and conditions contained in the Agreement.

Customer Legal Name ("HCDE"): HARRIS COUNTY DEPARTMENT OF EDUCATION

DBA Name: CHOICE PARTNERS COOPERATIVE (DIV. OF HCDE)

Address: 6300 Irvington Boulevard, Houston, Texas 77022, United States of America

### Purpose

HCDE wishes to purchase Products from Apple for HCDE's own use and to offer members of HCDE's purchasing cooperative, Choice Partners, (CP members) the opportunity to purchase Products and related services from Apple pursuant to this Agreement, and the Parties intend that this Agreement will govern the purchase of such Products in accordance with the terms and conditions set forth below.

### 1. Definitions

The following terms have the meanings specified below:

"**Agreement**" means, collectively, this Apple Direct Customer Agreement, Apple price lists, Apple's response to HCDE RFP #23/0365G, HCDE RFP #23/0365G, and any mutually executed amendments or addenda to the Agreement. In the event of a conflict or inconsistency between or among the documents that comprise this Agreement, the following hierarchy shall apply: (1) this Apple Direct Customer Agreement; (2) Apple's response to HCDE RFP #23/0365G; and (3) HCDE RFP #23/0365G.

"**Apple Product**" or "**Apple Products**" means Services, CTO Products, hardware and software products manufactured, distributed or licensed under an Apple-owned or licensed brand name that Customer has paid to acquire or has properly licensed from Apple for its own use, but excluding any third party software and all other third party products.

"**Apple Confidential Information**" means any and all information in oral or written form that Customer knows or has reason to know is confidential information and that is disclosed in connection with this Agreement or to which Customer may have access in connection with this Agreement, including but not limited to financial information and data, personnel information, information regarding strategic alliances, costs or pricing data, the identities of customers and prospective customers, and any information relating to new product launch, including the release dates and product specifications. Apple Confidential Information shall not include any information that: (i) was rightfully in a Customer's possession prior to disclosure without any obligation to maintain its confidentiality; (ii) was independently developed by Customer without the use of or reference to Apple Confidential Information; or (iii) is now, or hereafter becomes, publicly available other than through disclosure by Customer in breach of this Agreement.

"**Configure-To-Order Product**" or "**CTO Product**" means Products that Apple modifies from its standard configurations and that are available to Customer only by special order.

"**Customer**" means the entity purchasing pursuant to this Agreement, whether HCDE or a CP member.

"**Customer Confidential Information**" means and is limited to information that is: (i) reduced to a tangible form, (ii) independently developed by Customer without the use of or reference to any Apple Confidential Information, and (iii) provided specifically at Apple's request after execution of this Agreement and after execution of an acknowledgment signed by an Apple Sales Director that such information shall be treated as Customer Confidential Information. Customer Confidential Information shall not include any information that: (a) is communicated verbally; (b) was rightfully in Apple's possession prior to disclosure without any obligation to maintain its confidentiality; (c) was independently developed by Apple without the use of Customer Confidential Information; (d) is required to verify Customer's compliance with any provisions of this Agreement; or (e) is now, or hereafter becomes, publicly available other than through disclosure by Apple in breach of this Agreement.

"**Effective Date**" means the date upon which an authorized representative of Apple signs this Agreement.

"**Limited Warranty**" means Apple's standard limited warranty that is set forth in the documentation that accompanies any Apple Products purchased under this Agreement.

"**Line of Credit**" means a line of credit established for Customer by Apple in its sole discretion.

"**Party**" means either Apple or HCDE and "**Parties**" means both of them.

"**Products**" mean, collectively, Services, Apple Products and other products that are sold or licensed by Apple to Customer for its own use.

"**Services**" mean, collectively, the standard, price-listed-services, support and/or training products sold under the Apple brand name.

### 2. Interpretation

In the event of any conflict or inconsistency between the terms of this Agreement and any license terms or terms of use accompanying any Apple Product, such license terms and/or terms of use shall control solely as to the use of the Apple Product covered by those terms.

### 3. Terms and Conditions of Purchase

#### 3.1 Ordering

Customer may order Products from Apple by either: (i) ordering at an Apple Retail Store, (ii) ordering electronically through the online portal



managed by Apple, (iii) submitting a purchase order to Apple, as permitted by Apple, or (iv) by any other means communicated by Apple. Customer is solely responsible for all purchase decisions, including but not limited to, ensuring the compatibility and appropriateness of all Products. All purchases of Products under this Agreement shall be made solely for Customer's end use and not for resale. In the event Customer submits orders via an online portal managed by Apple, Customer agrees to Apple's Terms of Use and Privacy Policy located on such online portal. Furthermore, purchases through an online portal may also be subject to an Online Sales Policy. In the event of any inconsistency between this Agreement and the Online Sales Policy, this Agreement will govern.

**3.2 Customer's subsidiaries and/or affiliates may not purchase Products from Apple under this Agreement unless Apple has agreed in signed writing with Customer that such subsidiaries and/or affiliates are authorized to purchase Products from Apple pursuant to this Agreement. Such authorization shall be subject to the parent company having provided a guarantee of the debts to Apple of such subsidiaries and/or affiliates and compliance with the obligations of this Agreement by such subsidiaries and/or affiliates. Notwithstanding the foregoing, Apple may require at its sole discretion that the debts to Apple of such subsidiaries and/or affiliates must be included in a parent company guarantee.**

### **3.3 Limited Billing Service Account**

Apple will provide Customer a limited billing service account to use when placing service orders such as Customer Installable Parts (CIPs) and mail-in or on-site repairs via the contact center or Apple Retail Stores. Customer may be asked to submit a purchase order when placing a service order. Customer acknowledges that Apple does not provide service CIP or repair pricing on an Apple price list. Apple will quote current service CIP or repair pricing to Customer prior to processing any purchase order, and Customer will have the option to either accept or decline the quoted prices. Apple will not process the purchase order if Customer declines the quoted price, but will process the purchase order under the terms of this Agreement if Customer accepts the quoted pricing.

### **3.4 Prices and Orders**

Customer agrees that Apple may change Product offerings, discounts and pricing at any time and without notice to Customer. Prices include standard freight and insurance using an Apple-selected carrier. Apple does not guarantee that Products will be available at all times during the Term. Apple reserves the right to accept or decline any order, in whole or in part. Apple may cancel any accepted order prior to shipment, if in its sole discretion, Apple determines that it has insufficient inventory to fulfill such order. Apple may make partial shipments of Customer's orders and will not be liable for any failure to ship complete orders. Customer will be invoiced separately for each partial shipment and will pay each invoice when due, without regard to subsequent deliveries. Apple will allocate its available inventory and make deliveries (including partial shipments) in its sole discretion and without liability to Customer.

### **3.5 Delivery**

**3.5.1** Except for U.S. federal government agencies, title and risk of loss to all Products will pass to Customer upon shipment from Apple's shipping location. For Products shipped pursuant to Apple's standard practices, Apple will issue credits or replace Products returned due to damage in transit or that are lost in transit. When Products are not shipped pursuant to Apple's standard practices but instead via a carrier selected by Customer, Apple will not issue credits or replace Products returned due to damage in transit or that are lost in transit and Customer's sole recourse for loss or damage shall be against its own insurer, its selected carrier, and its carrier's insurer. Customer shall insure Products for their full replacement value for delivery to Customer until Customer has paid Apple in full for such Products, and shall name Apple as a loss payee on the Customer's policy. For both government and non-government sales, shipping charges for orders shipped under Customer's instructions will be added to Apple's invoice or shipped freight collect, at Apple's option.

**3.5.2** For orders picked up by Customer at the Apple Retail Store, risk of loss or damage to Products will pass to Customer upon pick up of the Products from the Apple Retail Store. Title to the Products will pass to Customer when Apple provides notice that the Products are available for pick up from the Apple Retail Store. Customer shall contact the Apple Retail Store for any issues regarding pick up of the Products.

**3.5.3** For U.S. federal government agencies only, title and risk of loss to all Products will pass to Customer upon delivery to Customer.

### **3.6 Payment**

**3.6.1** Unless Customer qualifies for credit with Apple or except as otherwise approved by Apple, Customer shall pre-pay for all orders placed.

**3.6.2** Provided that Customer qualifies for credit with Apple, Customer shall be invoiced upon shipment of Products or performance of Services (as applicable), and provided Customer is qualified for credit with Apple, payment of such invoice is due no later than thirty (30) days from the invoice date.

**3.6.3** Apple may in its sole discretion establish a Line of Credit for Customer. If Apple establishes a Line of Credit it will do so to the extent permitted by law and under the following minimum terms and conditions:

**3.6.4** Payment terms for all amounts due from Customer to Apple (including payments for Services) will be net thirty (30) days from the date of Apple's invoice, except as may otherwise be required by Apple in writing. Invoices must be paid in full by direct debit or other electronic payment method agreed between the parties in the currency invoiced without deduction, counterclaim or set off (statutory or otherwise) and in clear funds. If a direct debit is returned unpaid, Apple shall be entitled to place the Customer's account on credit hold until payment is received in full.

**3.6.5** The Line of Credit will limit the aggregate amount of credit that may be extended at any time to Customer for amounts owing to Apple under this Agreement, any other agreement or for any other sales or extensions of credit of any kind by Apple to Customer. The amount of the Line of Credit may be immediately adjusted upwards or downwards at any time as appropriate, at the discretion of Apple. In exercising its discretion, Apple reserves the right to consider and act upon the following, among other criteria: (i) the profitability and financial well being of Customer; (ii) whether current and accurate financial and business performance information are provided in a timely fashion by Customer; (iii) the amount and likely present value of whatever collateral or credit enhancement has been provided; and (iv) whether Apple will likely be, or has been required to realize upon and liquidate such collateral or credit enhancement. Customer acknowledges that Apple can reduce, vary or cancel the Line of Credit at any time.

**3.6.6** Apple may place sales to Customer on immediate credit hold (i.e., suspend all sales to Customer) whenever the outstanding balance owed by Customer and its subsidiaries and/or affiliates to Apple would exceed the Line of Credit or whenever Customer fails to make payment to Apple in accordance with established terms.

**3.6.7** Without prejudice to its right to terminate this Agreement for breach under Section 10, Apple reserves the right to withhold shipment and/or to declare all sums immediately due and payable in the event of a breach by Customer of any of its obligations to Apple, including the failure to comply with any credit terms.

**3.6.8** Should there at any time be monies owing from Apple to Customer, Apple will have the right to setoff such sums and apply them to any



sums (whether or not due) owed by Customer or its affiliates or subsidiaries to Apple.

3.6.9 Upon Apple's reasonable request, Customer will provide to Apple (or an Apple affiliate): (i) audited annual financial statements, including a balance sheet, cash flow and profit and loss statements, as well as auditors' report and notes to financials; (ii) financial statements and similar financial information or reports routinely provided to any other vendor, lender or creditor to support extensions of credit, and (iii) such other financial information as may be reasonably requested by Apple in a format agreed upon by Apple and Customer. If such information is not provided in a timely manner, Apple may suspend all sales to Customer or exercise any other remedies hereunder until such information is provided to Apple.

3.6.10 All applicable local sales or use taxes, duties and other imposts, if any, due on account of purchases hereunder shall be paid by Customer. Proof of tax-exempt status must be on file at Apple's Support Center for any order to be treated as a tax-exempt transaction. Apple will also charge for any fees due from Customer by regulation or statute, including, if applicable, fees due under the California Electronic Waste Recycling Act or similar laws in other states. Apple reserves the right to change its price lists and Customer's credit terms at any time. In addition to Apple's other rights herein, Apple reserves the right, without liability or obligation to Customer, to suspend deliveries due to a payment default.

### **3.7 Product Returns**

Products purchased hereunder shall be subject to Apple's then-current policies for defective and dead-on-arrival (DOA) Products.

### **3.8 Support**

Apple will provide post-sales support for Apple Products as described in the documentation accompanying such Apple Products. Apple will not provide support for any Products other than unmodified Apple Products.

## **4. Confidentiality**

4.1 During the Term and for five (5) years thereafter, Customer will not use Apple Confidential Information except as required to achieve the objectives of this Agreement, or disclose such Apple Confidential Information except to employees or contractors who have a need to know. Customer will not make any disclosure or statement of Apple Confidential Information in connection with the Agreement or its subject matter without Apple's prior, specific written consent. Customer shall not make any public statement regarding any item of Apple Confidential Information, including but not limited to any matter of business between Customer and Apple, or the nature of any contractual relations between Apple and Customer or any third party. Notwithstanding the foregoing, Choice Partners, a division of HCDE, shall be permitted to post the existence and availability of this Agreement on its website. Customer may disclose Apple Confidential Information to the extent required by law, provided that it first makes reasonable efforts to give Apple notice of such requirement prior to any such disclosure and takes reasonable steps to obtain protective treatment of the Apple Confidential Information.

4.2 Apple will not use Customer Confidential Information except as required to achieve the objectives of this Agreement, or disclose such Customer Confidential Information except to employees, agents or contractors who have a need to know or as required by law. Except as otherwise stated herein, Apple will not make any disclosure or statement of such information without the Customer's prior written consent or as required by law.

## **5. Representations and Warranties**

5.1 Customer represents and warrants that: (i) it has the right to enter into this Agreement and perform its obligations hereunder; (ii) the terms of this Agreement do not violate and will not cause a breach of the terms of any other agreement to which Customer is a party or by which it is bound; and (iii) all Products purchased will be for Customer's own use in its facilities in the United States and will not be purchased for resale to any other entity or individual.

### **5.2 Apple Limited Warranty**

The sole warranty for an Apple Product purchased hereunder shall be the Limited Warranty. Except for the Limited Warranty, all Apple Products are sold "as is" and without additional warranty or support from Apple. All Products, other than Apple Products, are sold "as is" and without warranty or support from Apple, but may be accompanied by a manufacturer's warranty, as more particularly provided in the warranty documentation that accompanies such Products. Upon Customer's request, Apple will provide a copy of the manufacturer's warranty accompanying Products offered by Apple under this Agreement. Nothing in this Agreement shall be construed as obligating Apple to provide any warranty-related fulfillment or support for any Products, other than Apple Products.

### **5.3 Disclaimer**

5.3.1 EXCEPT FOR THE LIMITED WARRANTY, APPLE MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS OR SERVICES, AND TO THE MAXIMUM EXTENT PROVIDED BY LAW, APPLE HEREBY DISCLAIMS SUCH WARRANTIES, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

5.3.2 Apple Products are not intended or suitable for use in situations or environments where the failure or time delays of, or errors or inaccuracies in, the content, data or information provided by Apple Products could lead to death, personal injury, or severe physical or environmental damage, including without limitation the operation of nuclear facilities, aircraft navigation or communications systems, air traffic control, life support or weapons systems.

## **6. Indemnity**

6.1 Provided that Customer promptly notifies Apple in writing, gives Apple sole control over the defense and all related settlement negotiations, and does not compromise or settle any claims then, subject to the terms of this paragraph and the exceptions and limitations set forth below, including but not limited to Section 7.1 and 7.2, Apple will defend any proceeding or action brought by a third party against Customer to the extent based on a claim that: (i) an Apple Product that Customer has paid to acquire from Apple infringes a U.S. patent, copyright, trademark or misappropriates a U.S. trade secret; or (ii) personal injury or tangible property damage suffered by such third party was caused by Apple's gross negligence or willful misconduct during the performance of Services.



6.2 Notwithstanding the foregoing, Apple shall not be liable or responsible for, or obligated to defend any claims or damages arising out of or related to: (a) modification of any Apple Product; (b) combination, operation or use of the Apple Product with any other equipment, data, documentation, items or products; (c) use of Apple Product in a manner or for a purpose, or in a location, for which it was not intended; (d) import or export of any Apple Product in violation of applicable export control requirements, regulations or laws; (e) use or exportation of any Product(s) into any countries identified on any U.S. Government embargoed countries list; (f) use of any Apple Product in a manner or for a purpose not authorized under the applicable license terms; (g) any other products; or (h) Customer, its employees, agents, affiliates, subsidiaries or subcontractor's negligent acts or omissions.

6.3 Customer shall promptly notify Apple, in writing, of any claim, demand, proceeding or suit of which Customer becomes aware which may give rise to a right of defense under Section 6.1 ("Claim"). Notice of any Claim that is a legal proceeding, by suit or otherwise, must be provided to Apple within thirty (30) days of Customer's first learning of such proceeding. Notice must be in writing and include an offer to tender the defense of the Claim to Apple. Apple, if it accepts such tender, may take over sole control of the defense of the Claim. That control includes the right to take any and all actions deemed appropriate by Apple in its sole discretion to resolve the Claim by settlement or compromise. Upon Apple's acceptance of tender, Customer will cooperate with Apple with respect to such defense and settlement. If a Claim is settled and to the extent permitted by law, neither Party will publicize the settlement and will make every effort to ensure the settlement agreement contains a non-disclosure provision.

6.4 In the event of a Claim, Apple may at its sole option (but shall not be obligated to): (i) procure for Customer the right to continue use of the applicable Apple Product(s); (ii) replace the applicable Apple Product(s); (iii) modify the applicable Apple Product(s); or (iv) refund the amount paid by Customer to Apple for the applicable Apple Product, less depreciation. THE FOREGOING CONSTITUTES CUSTOMER'S SOLE AND EXCLUSIVE REMEDY AND APPLE'S ENTIRE LIABILITY FOR ANY CLAIMS ARISING OUT OF THIS SECTION 6.

6.5 Customer shall not use the Apple Products, iCloud Storage APIs and iCloud service, or any component or function thereof, (i) to create, receive, maintain or transmit protected health information (as defined at 45 C.F.R § 160.103) or (ii) in any manner that would make Apple or any other third-party distributor, supplier or provider of those technologies a business associate, as defined under the Health Insurance Portability and Accountability Act of 1996 and its implementing regulations ("HIPAA") at 45 C.F.R. § 160.103, of the Customer or any third party. Customer agrees to be solely responsible for complying with any reporting requirements under law or contract arising from Customer's breach of this Section and to reimburse Apple for any losses incurred by Apple relating to those reporting obligations.

## **7. Limitation of Liability**

7.1 Apple's maximum aggregate liability (including any liability for the acts or omissions of Apple's employees, agents and sub-contractors) for any and all claims of any kind arising out of or in connection with the Agreement, whether in contract, warranty, tort (including negligence), misrepresentation, strict liability, statute, or otherwise, shall not exceed three hundred thousand dollars (\$300,000).

7.2 IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), MISREPRESENTATION, STRICT LIABILITY, STATUTE OR OTHERWISE, SHALL APPLE BE LIABLE FOR ANY LOSS OF PROFIT OR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, INDIRECT LOSSES (INCLUDING LOSS OF DATA, INTERRUPTION IN USE, UNAVAILABILITY OF DATA, UNAVAILABILITY OR INTERRUPTION IN AVAILABILITY OF APPLE PRODUCTS, OR OTHER ECONOMIC ADVANTAGE) OR FOR PUNITIVE OR EXEMPLARY DAMAGES.

7.3 THE PARTIES AGREE THAT THE TERMS OF THE AGREEMENT, INCLUDING THOSE CONCERNING WARRANTIES, INDEMNITY AND LIMITATIONS OF LIABILITY, REPRESENT A FAIR ALLOCATION OF RISK BETWEEN THE PARTIES WITHOUT WHICH THEY WOULD NOT HAVE ENTERED INTO THIS AGREEMENT. LIABILITY FOR DAMAGES WILL BE LIMITED AND EXCLUDED, EVEN IF ANY EXCLUSIVE REMEDY PROVIDED FOR IN THE AGREEMENT FAILS OF ITS ESSENTIAL PURPOSE. THE REMEDIES SET FORTH IN THIS AGREEMENT WILL BE CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES FOR ANY CLAIM MADE AGAINST APPLE.

## **8. Ownership**

### **8.1 Use of Name**

Neither Party shall use the other's name, logo, trademarks or service marks in any advertising, communications or publications without the other Party's prior written consent. Notwithstanding the foregoing, Choice Partners, a division of HCDE, shall be permitted to post the existence and availability of this Agreement on its website.

### **8.2 Software**

Customer acknowledges that Products often contain not only hardware but also software, including but not limited to, operating systems and applications. Such software may be included in ROMs or other semiconductor chips embedded in hardware, or it may be contained separately on disks or on other media. Such software is proprietary, is copyrighted, and may also contain valuable trade secrets and is protected by patents. Customer, as an end user, is licensed to use any software contained in such Products, subject to the terms of the license accompanying the Products, if any, and the applicable patent, trademark, copyright, and other intellectual property, federal and state laws of the United States.

### **8.3 Restrictions**

Unless Customer has obtained Apple's prior written consent, Customer, in addition to any obligations or restrictions set forth in any license, which may accompany a Product, shall not copy the software. Customer shall not disassemble, decompile, reverse engineer, copy, modify, create derivative works thereof or otherwise change any of the software or its form.

## **9. Export Compliance**

This Agreement is subject to all laws, regulations, orders or other limitations on the export and re export of commodities, technical data and software. Customer agrees that it will not export, re-export, resell or transfer any export-controlled commodity, technical data or software: (i) in violation of such limitations imposed by the United States or any other appropriate national government authority; (ii) to any country for which an export license or other governmental approval is required at the time of export, without first obtaining all necessary licenses and approvals, at Customer's sole cost and expense; (iii) to any country or national or resident of a country to which trade is embargoed by the United States, or any other relevant national authority; (iv) to any person or firm on any relevant government agency restricted party lists, (examples: United Nations Sanctions list, United States Denial Lists, Office of Foreign Assets Control Specially Designated Nationals List, etc.); or (v) for use in, or to



an entity that might engage in, any sensitive nuclear, chemical or biological weapons, or missile technology end-uses unless authorized by the United States Government, and any other relevant government agency by regulation or specific license.

## **10. Term and Termination**

### **10.1 Term**

Unless terminated earlier as provided in this Agreement, the initial term of this Agreement shall be from May 17, 2023 through May 16, 2024 ("Initial Term"). This Agreement may be renewed for successive twelve (12) month periods (each a "Renewal Term") upon mutual agreement of HCDE and Apple. The Initial Term and all Renewal Terms are referred to as the "Term".

### **10.2 Termination for Convenience**

This Agreement may be terminated by either Party at any time without cause (i.e., for any or no reason), on thirty (30) days' written notice to the other Party.

CP member may cancel a purchase order for convenience prior to shipment from Apple's shipping location.

### **10.3 Termination for Cause**

Apple may immediately terminate this Agreement and any other existing agreement with HCDE if: (i) HCDE fails to fully perform any obligation under the Agreement; (ii) HCDE commits a criminal offense, engages in fraud or any unlawful or unfair business practice; (iii) there is a material change in or transfer of HCDE's management, ownership, control or business operations, or HCDE becomes affiliated, through common management, ownership, or control, with any person or entity that is unacceptable to Apple; or (iv) HCDE's actions expose or threaten to expose Apple to any liability, obligation, or violation of law.

HCDE may terminate this Agreement immediately in the event of a material breach and Apple does not cure such breach within 60 days of notification from HCDE; notwithstanding the foregoing, HCDE may terminate this Agreement immediately in the event Apple's actions expose or threaten to expose HCDE to any liability, obligation, or violation of law.

CP member may cancel a purchase order for cause prior to shipment from Apple's shipping location.

### **10.4 Effect of Notice of Termination**

If either Party gives notice of termination of the Agreement according to Section 10: (i) all unpaid invoices issued by Apple will be accelerated and become immediately due and payable on the effective date of termination; and (ii) Customer will cease placing new orders for Products from Apple on the effective date of termination.

### **10.5 Survival**

All defined terms and the following Sections of this Agreement shall survive expiration or any termination of the Agreement: 3.6 (Payment); 4 (Confidentiality); 5 (Representations and Warranties); 6 (Indemnity); 7 (Limitation of Liability); 9 (Export Compliance); 10.4 (Effect of Notice of Termination); 10.5 (Survival); 11 (General Terms) and; any other Sections that by their nature would reasonably be expected to survive expiration or termination.

## **11. General Terms**

### **11.1 Governing Law**

If Customer is a public agency or institution, this Agreement will be governed by the laws of the state where Customer is located or if Customer is a federal government agency, this Agreement will be governed and interpreted in accordance with applicable federal law. If Customer is a private or corporate entity, this Agreement will be governed by the laws of the State of Delaware, without regard to its conflict of laws provisions, and in the event of any action between the parties, venue shall be in the State of California.

### **11.2 Notice under the Agreement**

Notices under the Agreement may be given as follows:

11.2.1 Any notice under this Agreement must be in writing and will be deemed given upon the earlier of actual receipt or ten (10) days after being sent by courier, return receipt requested, to the address stated below for Apple and to the address designated in this Agreement by Customer for receipt of notices, or as may be provided by the Parties.

Apple Inc.  
U.S. Contracts Operations  
One Apple Park Way, M/S 581-CNTR  
Cupertino, California 95014

11.2.2 Either Party may give notice of its change of address for receipt of notices in any of the following manners: (a) in accordance with Section 11.2.1 (b) by email to the address provided by the Party, or (c) as otherwise authorized by Apple.

### **11.3 Assignment**

Customer may not assign this Agreement or any of its rights or duties without Apple's prior written consent. Any non-compliant assignment by Customer shall be null and void. Apple may assign this Agreement, in whole or in part, in Apple's sole and absolute discretion, to any affiliate of or successor in interest to Apple, without the consent of Customer.

### **11.4 Modifications**

Except as otherwise provided in this Agreement, no modification to this Agreement will be binding unless in writing and signed by an authorized representative of each Party.

### **11.5 Entire Agreement**

Apple and Customer acknowledge that the Agreement supersedes and extinguishes all previous agreements and representations (whether oral or written), between or on behalf of the Parties with respect to its subject matter. The Agreement contains all of Apple's and Customer's agreements, warranties, understandings, conditions, covenants, promises and representations with respect to its subject matter. Apple and Customer acknowledge and agree that they have not relied on any other agreements, warranties, understandings, conditions, covenants, promises or representations in entering into this Agreement. Neither Apple nor Customer will be liable for any agreements, warranties,



understandings, conditions, covenants, promises or representations not expressly stated or referenced in this Agreement. Apple is deemed to have refused any provisions in purchase orders, invoices or other documents or statements from Customer that purport to alter or have the effect of altering any provision of the Agreement and such refused provisions will be unenforceable.

#### **11.6 No Reliance**

Apple and Customer each acknowledge and agree that, in entering into the Agreement, they have not relied on and will not be liable for any agreements, warranties, understandings, conditions, covenants, representations or promises other than those expressly stated or referenced in the Agreement. The parties acknowledge and understand that all terms of the Agreement are enforceable as written, and that Apple and Customer intend to enforce and comply with all written terms of the Agreement. Customer hereby acknowledges and agrees that it will be bound by all the terms in the Agreement, notwithstanding any prior or subsequent agreement, warranty, understanding, condition, covenant, representation or promise suggesting otherwise.

#### **11.7 Severability**

If a court of competent jurisdiction holds that any provision of this Agreement is invalid or unenforceable, the remaining portions of this Agreement will remain in full force and effect, and this Agreement will be adjusted if possible so as to give maximum effect to the original intent and economic effect of the Parties.

#### **11.8 Waivers**

A Party's waiver of any breach by the other Party or failure to enforce a remedy will not be considered a waiver of subsequent breaches of the same or of a different kind.

#### **11.9 Force Majeure**

Neither Party will be liable for delay or failure to fulfill its obligations under this Agreement, other than payment obligations, to the extent such delay or failure is due to unforeseen circumstances or causes beyond the Party's reasonable control, including, but not limited to, acts of God, war, riot, pandemic, embargoes, acts of civil or military authorities, acts of terrorism or sabotage, fire, flood, accident, strikes, inability to secure transportation, failure of communications networks, (a "Force Majeure"), provided such Party promptly notifies the other Party and uses reasonable efforts to correct such failure or delay in its performance. Customer may cancel any order delayed by more than thirty (30) days from the scheduled ship date due to a Force Majeure.

#### **11.10 Headings and Construction**

Paragraph headings are for reference only and will not affect the meaning or interpretation of this Agreement. Wherever the singular is used, it includes the plural, and wherever the plural is used, it includes the singular.

#### **11.11 Signature Authorization and Electronic Signature**

Each Party represents that the person signing this Agreement certifies that he or she has authority to contractually bind Customer to the terms and conditions of this Agreement. The Parties agree that this Agreement or any related documents may be accepted by electronic signature, which shall be accepted in lieu of a handwritten signature with full force and effect.

#### **11.12 Counterparts**

This Agreement may be executed in one or more counterparts (including by facsimile), each of which when so executed shall be deemed to be an original and shall have the same force and effect as an original. Such counterparts together shall constitute one and the same instrument.

#### **11.13 Administrative Fee**

Excluding all orders at an Apple Retail Store, Apple shall pay to Choice Partners, a division of HCDE, a Contract Administrative Fee ("CAF") of 0.25% no later than sixty (60) days following the end of each calendar quarter. The CAF shall be submitted quarterly and is based on net sales of products and services under this Agreement (less any charges for taxes and/or shipping).

#### **11.14 Reporting**

Excluding all orders at an Apple Retail Store, Apple will provide a quarterly report of all invoiced items transacted under the Agreement to Choice Partners, a division of HCDE, within thirty (30) days following the end of each Apple fiscal quarter. Reports will be submitted electronically via email in a format determined by Apple. Report data includes: (i) sold-to customer name; (ii) Apple customer number; (iii) customer group (i.e., K-12 education, higher education, or state or local government); (iv) purchase order number; (v) Apple sales order number; (vi) order entry date; (vii) invoice number; (viii) invoice date; (ix) quantity; (x) unit price; (xi) total invoiced price; (xii) Apple part number; (xiii) material description; (xiv) ship-to name; and (xv) ship-to address (city, street, state, zip code).

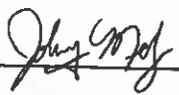
The duly authorized representatives of the Parties execute this Agreement as of the dates stated below.



Harris County Department of Education

Apple Inc.

SIGNATURE:   
PRINT NAME: Jesus J. Amezcua  
PRINT TITLE: Asst. Supt for Business  
DATE: 5/26/2023

SIGNATURE:   
PRINT NAME: Johnny Mendoza  
PRINT TITLE: Project Coordinator  
DATE: 05/26/2023  
DEPARTMENT: US Sales Ops



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Expenditures to Renew Microsoft Enterprise Licensing for Office, Server, and SQL, from Insight Public Sector, Inc., Utilizing State of Texas Department of Information Resources (DIR) Contract #DIR-CPO-5239 (Budgeted Local Funds - \$467,355.24)*

**JUSTIFICATION STATEMENT:**

(To continue with the Microsoft Volume Licensing agreement entitling District users to the latest versions of Microsoft products)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Manny Verduzco / Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

The Interlocal Cooperative Agreement is one (1) of seven (7) approved purchasing methods allowed by the Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000."

Microsoft products, such as the Microsoft Windows Operating System and Microsoft Office software, are used throughout the District. The Enterprise License allows the District to purchase the most current version of these and other Microsoft products as they become available. The State of Texas Department of Information Resources (DIR) Contract #DIR-CPO-5239 allows the District to obtain the Enterprise License at a reduced cost through Insight Public Sector, Inc.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve renewal of Microsoft Enterprise Licensing for Office, Server, and SQL, from Insight Public Sector, Inc., utilizing the State of Texas Department of Information Resources (DIR) Contract #DIR-CPO-5239, from August 1, 2024, through July 31, 2025, in the amount of \$467,355.24, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget.

**FUNDING SOURCE:** Budgeted Local Funds **ACCOUNT NO.:** 199.53.6\*\*\*.911.99.288.911

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$467,355.24
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

The District will not have access to Microsoft products

**IMPLEMENTATION TIMELINE:** Upon approval

**COMMENTS RECEIVED, IF ANY:**

N/A

**ATTACHMENTS:**

Description

- ▣ DIR Contract Reference
- ▣ Signed Contract

Home > Explore DIR Contracts

Contract Number

DIR-CPO-5239

Contract Term Date: 10/05/25

Contract Expiration Date: 10/05/29

Vendor Information

Insight Public Sector, Inc.

Vendor ID: 1363949000500

HUB Type: Non HUB

RFO: DIR-CPO-TMP-570

Contract Status: Active

VENDOR CONTACT:

Brittany Dunaway

Phone: (800) 474-7121

Vendor Website

DIR CONTACT:

Lesli Gonzalez-Parker

Phone: 512-475-4903

Contract Overview

Insight Public Sector, Inc. as a Value Added Reseller (VAR) offers Adobe and Microsoft software products and related services through this contract. Customers may purchase from the Select Plus Program or must enter into an Enterprise Agreement (EA) or have a current ELA with Microsoft. Customers can purchase directly through this DIR VAR contract. Contracts may be used by state and local government, public education, other public entities in Texas, as well as public entities outside the state. This Contract covers the entire Adobe and Microsoft Catalogue of products and Related Services plus all government and education volume licensing MSRP special Discount programs. Resellers are not available for this contract.

Contract Details & Ordering Information

Products & Services

Commodity Codes

Brands

Contract Documents

How to Order

Resellers

Products & Services

This contract offers the following products and services. Please contact the Vendor for the latest information.

- Software Technical Services

MORE INFORMATION

Vendor Website

Visit this Vendor's website to view the latest product, service, and pricing information.

**VENDOR CONTRACT**  
**(Goods and Services)**

THIS VENDOR CONTRACT FOR GOODS AND SERVICES ("this Contract") is between INSIGHT PUBLIC SECTOR, INC. (the "Vendor") and the EL PASO INDEPENDENT SCHOOL DISTRICT ("District"). The Effective Date of this Contract is August 1, 2024 regardless of when executed.

For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

1. **Term.**

1.1 **Term.** The term of this Contract shall be for a period from August 1, 2024 through July 31, 2025, [with 0 year(s) annual renewal(s)] unless earlier terminated in accordance with this Contract. Annual renewals, if any, shall be at the sole discretion of the District.

1.2 **Non-Appropriation.** In the event the Contract is awarded for a term greater than one year or extending beyond the District's current budget period, it will be subject to approval at the commencement of each of the District's budget years. Vendor agrees that the District has the continuing right to terminate this Contract without notice at the end of a District budget period in which funds for this Contract are not appropriated. In such event the Contract may be terminated as soon as practicable after the event of non-appropriation or upon 30-days' prior written notice whichever provides the longest notice.

2. **Cancellation/Termination.**

2.1 **Termination.** This Contract may be terminated as follows: (a) by either party in the event of material breach of this Contract by the other party which continues more than thirty (30) days after written notice of default from the non-breaching party to the breaching party; or (b) by the District at its option: (i) if Vendor fails, as determined by the District's representative, to satisfactorily perform the duties set out in this Contract, comply with any covenant herein required or breach any warranty provided herein; becomes insolvent, files or has filed against it a petition in bankruptcy, proposes or accomplishes any dissolution, liquidation, composition, financial reorganization or recapitalization with creditors; (ii) if a receiver, trustee, custodian, or similar agent is appointed or takes possession of any property or business of Vendor; (iii) if, at the expiration of each District budget period occurring during the term of this Contract, funds for this Contract are not appropriated as provided in Section 1.2 above; or (iv) with or without cause upon thirty days prior written notice from the District to Vendor. In the event of early termination of the Contract for any reason, the total compensation which may be claimed by Vendor under this Contract shall be limited [subject to other limitations in this Contract or applicable law] to the payment for the conforming Goods and/or Services timely provided by the date of termination.

2.2 **Effect.** Within forty-five (45) calendar days of the effective date of completion, or termination or expiration of this Contract, Vendor shall submit to District its claims, in detail, for the monies owed by District for Services satisfactorily performed or Goods delivered and accepted under this Contract through the effective date of termination. **Failure by Vendor to submit its claims within forty-five (45) calendar days shall negate any liability on the part of District and constitute a waiver by Vendor of any and all right or claims to collect monies that Vendor may rightfully be otherwise entitled to for Services satisfactorily performed or Goods delivered under this Contract.** Regardless of how this Contract is terminated, Vendor shall effect an orderly transfer to District or to such person(s) or firm(s) as the District may designate, at no additional cost to District. Upon the effective date of expiration or termination of this Contract, Vendor shall cease all operations of Services being performed or delivery of Goods by Vendor, or any of its subcontractors, pursuant to this Contract. All completed or partially completed documents, papers, records, charts, reports, and any other materials or information produced, or provided to Vendor, in connection with the Services rendered by Vendor under this Contract, regardless of storage medium, shall be transferred to District. Such record transfer shall be completed within thirty (30) calendar days of the termination date and shall be completed at Vendor's sole cost and expense. Payment of compensation due or to become due to Vendor is conditioned upon delivery of all such documents.

3. **Right to Assurance.** Whenever the District in good faith has reason to question the Vendor's intent to perform, the District may demand that the Vendor give written assurance of its intent to perform. In the

event that a demand is made and no assurance is given within five business (5) days, the District may treat this failure as an anticipatory repudiation of the Contract.

4. **Remedies.** In the event of default of this Contract by Vendor, the District shall have all of, and may exercise one or more of, the following rights and remedies: (a) the right to recover damages; (b) the right to seek injunctive relief; (c) the right to seek declaratory relief; (d) the right to off-set and/or retain from payments otherwise due to Vendor damages, fees, and costs sustained or incurred by the District in connection with such breach; (e) the right to terminate this Contract as provided herein; and (f) any of its rights and remedies in law or equity. In no event shall District's action of terminating this Contract, whether for cause or otherwise, be deemed an election of District's remedies, nor shall such termination limit, in any way, at law or at equity, District's right to seek damages from or otherwise pursue Vendor for any default hereunder or other action.

5. **Force Majeure.** If by reason of Force Majeure (i.e. acts of God, strikes, lockouts, or other industrial disturbances, etc.), either party hereto shall be rendered unable, wholly or in part, to carry out its obligations under this Contract, then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

6. **Goods and Services to Be Delivered.**

6.1 Delivery, Packaging and Acceptance of Goods.

A. Vendor agrees to provide the Goods listed and described in Exhibit "A," which is attached hereto and incorporated herein by reference for all purposes [or any subsequent Goods required to be delivered to the District under this Contract] (collectively, the "Goods"). Unless otherwise stated in Exhibit "A", the Goods shall be delivered in accordance with the following Standard Delivery Terms:

(i) F.O.B. District's James Gamble Facility, 4900 Woodrow Bean Drive, El Paso, Texas 79924.

(ii) Goods will be packed in accordance with good commercial practice and in a manner which will facilitate securing the lowest transportation costs, conform to requirements of common carriers and any applicable specifications. Each shipping container shall be clearly and permanently packed and identified with: (a) Vendor's name and address; (b) if applicable, consignee's name, address and purchase order and bid number; (c) container number and total number of containers, e.g. box 1 of 4 boxes; and (d) the number of the container bearing the packing slip. Vendor shall bear cost of packaging unless otherwise provided. The District's count or weight determination shall be final and conclusive on shipments not accompanied by packing slips/lists. The Goods will be delivered with an Operator's Manual and a Maintenance and Parts Manual, if one exists.

(iii) The District assumes no liability for Goods delivered in damaged or in unacceptable condition. The Vendor shall handle all claims with insurance carriers, and in the event that Goods are damaged in transit shall ship replacement Goods immediately upon notification by the District of damage. Delivery will be made between the hours of 8:00 a.m. and 3:30 p.m. (MDT/MST) unless otherwise specified by the District in writing. Vendor is not authorized to ship the Goods under reservation and no tender of a Bill of Lading will operate as a tender of Goods. The District shall have the right to inspect the Goods at delivery before accepting them and no Goods will be accepted until written acceptance is provided by authorized District Representative. Any written warranties will commence upon acceptance of the Goods by the District.

(iv) Repair and Replacement Information. As the situation requires, the Vendor shall provide alternative quotes for both repair and replacement of any damaged Goods, if appropriate to the request. In the event the cost of repair is equal to or greater than seventy-five percent (75%) of the price of a new item, Vendor shall provide a written recommendation to

the District representative regarding the relative merits of repair or replacement of the item. Failure to adhere to these requirements may be grounds for the termination of the Contract.

## 6.2 Delivery of Services and Standard of Care.

A. Delivery. Vendor agrees to provide the Services listed and described in Exhibit "B," which is attached hereto and incorporated herein by reference for all purposes (collectively, the "Services"). Nothing contained in this Contract shall require District to pay for any unsatisfactory Services, as determined by District's representative, or for work that does not comply with the terms of this Contract.

B. Standard of Care. If the Services are performed by a non-professional Vendor, Vendor represents, covenants, and warrants that it will devote its good faith, best efforts in provision of the Services and will provide the Services with reasonable care and skill and in a good and workmanlike manner. If the Services are considered Professional Services, the Vendor further represents, covenants and warrants that it will provide the Services using the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same locale. Services will be provided in a manner consistent with industry standards and will conform to the required specifications set out herein, and shall be delivered in compliance with all applicable laws, rules, regulations, procedures and consistent with industry standards.

## 6.3 Warranties for Goods and Services.

A. Express Warranties. Vendor expressly represents, warrants and covenants, that:

(i) Vendor will devote its good faith, best efforts in provision of the Goods and/or Services.

(ii) Vendor has and will retain sufficient financial condition, working capital, experience, expertise, personnel, licenses, certifications, and authority to provide the Goods and/or Services, that it will provide copies of its licenses and certifications to the District upon request, and will comply with the vendor ethics policies of the District.

(iii) The Goods furnished conform with the specifications, drawings, descriptions and that the Services promised will adequately address the Scope of Services set forth in the Contract and its exhibits, the District's Request for Proposal, Request for Competitive Sealed Proposal or other solicitation for the Goods and/or Services contracted for herein (the "Solicitation Document"), and to any sample(s) furnished by Vendor, if any, in connection with the Contract or in response to the District's Request for Proposal.

(iv) The Goods and/or Services shall be delivered in compliance with all applicable laws, rules, and regulations, with District policies and procedures, and consistent with industry standards.

(v) In the event of a conflict between the specifications, drawings and descriptions of Goods to be provided, the specifications shall govern. In the event of a conflict between the Solicitation Document and the Contract, the Contract shall prevail.

(vi) All Goods are new and the quality of the Goods is consistent with or better than industry standard.

B. Implied Warranties.

(i) The Goods comply with all implied warranties, including but not limited to, the implied warranty of merchantability and fitness for the particular purpose for which they were obtained. The Vendor agrees to provide the Services agreed to herein in a good and workmanlike manner.

(ii) No implied warranties for Goods and/or Services or provided in connection with this Contract are waived modified or excluded by any provision of this Contract, or any terms and conditions included in any document prepared by the Vendor, and any provision so intended, or interpreted shall be treated as void *ab initio*.

C. Safety Warranty and Provision of Material Safety Data Sheets. As applicable, the Goods supplied to the District under this Contract shall conform to applicable standards promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act ("OSHA") of 1970. In the event the Goods do not conform to OSHA standards, the District will be permitted to refuse or return the non-conforming Goods for correction or replacement at the Vendor's expense. Where Goods to be delivered under this Contract require the maintenance of Material Safety Data Sheets ("MSDS"), a copy of the relevant MSDS will be made available to the District's representative prior to delivery of the relevant Goods.

6.4 No Warranties by District. No review, consent, or approval by the District of any documents prepared by Vendor shall constitute a representation or warranty by the District of the legality, suitability, or quality of the same or content thereof.

6.5 Reservation of Rights. The District reserves the right to use its own staff or any other third-party to provide the same or similar goods and/or services to the Goods and/or Services described herein.

7. Tax Exemption. The District is exempt from Federal Excise, State or City Sales Tax under State Law and such obligations are included in the price under this Contract. The District will furnish a tax exemption certificate, if required.

8. Invoicing and Payment. Compensation to Vendor is set forth on Exhibit "C," attached hereto and incorporated herein. Except as otherwise provided in Exhibit "C," Vendor shall invoice the District on or before the thirtieth (30<sup>th</sup>) day of each month, for the portions of the Goods delivered and accepted and/or Services performed during the preceding month at rates set forth on Exhibit "C." Reimbursable Expenses are included in the hourly rate or not to exceed pricing for Services unless specifically excluded. If excluded, Reimbursable Expenses will be itemized separately and documented by receipts for invoicing purposes. Invoices for Goods and/or Services shall not include Federal Excise, State or City Sales Tax for which an Independent School District is exempt under State law. The District shall furnish a tax exemption certificate, if required. The aggregate compensation from the District to Vendor for the Goods and/or Services shall not exceed the maximum figures stated in Exhibit "C." Vendor shall not be entitled to receive payments or amounts under the Contract in excess of the amounts appropriated for the then-current budget period of the District. The District shall make payment to the Vendor for amounts determined to be properly due, not later than thirty (30) days after its receipt of the Vendor's invoice or as required by the Texas Prompt Payment Act (Chapter 2251 of the Texas Government Code) or its successor. The maximum interest rate on any past due payments by the District to Vendor shall be limited to the rate provided by Section 2251.025 of the Texas Government Code or its successor. The District shall not be required to make any payments to Vendor at any time Vendor is in default under this Contract.

9. Confidential/Proprietary Information.

9.1 Confidential Information/Materials. Vendor understands that, during the term of this Contract, Vendor will have access to certain information belonging to the District and designated as confidential by the District or not generally known by non-District personnel (collectively, the "Confidential Information"). During the term of this Contract and at all times thereafter, Vendor shall not, without the prior written consent of the District, do any of the following, directly or indirectly: (a) use any of the Confidential Information for Vendor's own purposes or for the purposes of any person or entity other than the District; and/or (b) disclose any of the Confidential Information to any third party, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Vendor further shall take all steps necessary to prevent disclosure of Confidential Information by any other person or entity, during the term of this Contract and at all times thereafter, without the prior written consent of the District. All data, disks, lists, financial records, other records, documents, property, information, specifications, and materials of the District relating to the Goods and/or Services provided to Vendor during the term of this Contract, as well as all copies thereof (collectively the "Materials"), shall be and remain the sole and exclusive property of the District. None of the Materials shall be retained by Vendor, or shall be transmitted to anyone at any time, either now or in the future, except as reasonably and in good faith required in connection with

performance of this Contract by Vendor. Upon termination of this Contract, or upon request by the District, Vendor shall promptly return the Materials to the District. The Materials are included within the definition of Confidential Information. Vendor further agrees that, if it receives information or records concerning any student, it shall not disclose the same, except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA.

9.2 **Intellectual Property Rights.** If Vendor, as part of the delivery of the Goods and/or Services, will be working with the District, [all references to Vendor and District in this paragraph shall include their respective agents, employees and representatives], to create and/or develop materials or other work products, including visual, audio, written and graphic material (the “Resulting Work Product”) for which the Vendor will receive any consideration provided for in this Contract, the Resulting Work Product (including all of Vendor’s contributions to the creation or development of the Resulting Work Product), and any state or federal trademark rights, copyrights, patents or other intellectual property rights associated with the Resulting Work Product (collectively, the “Intellectual Property Rights”) will at all times remain the exclusive property of the District. Vendor agrees to assist the District in any way necessary, including executing any assignments or other documents, required to document the District’s ownership rights in the Resulting Work Product and the associated Intellectual Property Rights, as applicable; including taking any action necessary for the District to secure state or federal registration of its Intellectual Property Rights in the name of the District. No separate or additional consideration, other than the consideration paid under this Contract, will be provided by the District for any provision of any assignments or conveyance of the Resulting Work Product, or of Intellectual Property Rights associated with the Resulting Work Product. The Vendor shall assure that its authorized subcontractors or agents, not under its control as employees, are aware of this provision and are contractually bound thereby.

10. **Vendor Records and Retention.** The District or its authorized representative shall be afforded unrestricted access to and be permitted to inspect and copy all of the Vendor’s records, which shall include but not be limited to accounting records (hard copy as well as computer readable data), correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to this Contract. The Vendor shall preserve all such records for a period of five (5) years, after the District makes final payment and all other pending matters are closed, or for such longer period as may be required by law, after final payment under this Contract, including any extension thereof. To the extent that the requirements of 2 CFR § 200.333 apply to the Contract, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award, must be retained for the Vendor for only the period required by 2 CFR § 200.333 and the five (5) year requirement of this provision shall apply to all other documents. If no federal funds are expended by the District for the Contract, the five (5) year retention requirement provided herein will apply.

For a Contract involving at least \$1 million in Goods/Services, the following provision shall apply: Vendor shall preserve for the duration of this Contract all “contracting information” within the meaning of Texas Government Code Section 552.003(7) et. seq. relating to this Contract (the “Contracting Information”) as provided by the records retention requirements applicable to the District. Vendor shall provide to the District, upon its request, any Contracting Information that is in the custody or possession of Vendor. Upon completion of this Contract, Vendor shall either provide at no cost to the District all Contracting Information in the custody or possession of Vendor or instead preserve all Contracting Information as provided by the records retention requirements applicable to the District. Pursuant to Texas Government Code Section 552.372(b), the following notice is given to Vendor: The requirements of Subchapter J, Chapter 552, Government Code, may apply to this Contract, and Vendor agrees that the Contract can be terminated if Vendor knowingly or intentionally fails to comply with a requirement of that Subchapter.

11. **Indemnification.**

11.1 **General Indemnification.** Vendor agrees to INDEMNIFY, DEFEND, AND HOLD HARMLESS the District and its trustees, officers, agents, representatives and employees (collectively, the “Indemnified Parties”) from and against, any and all claims, causes of action, liability, lawsuits, judgments, costs, liens, losses, expenses, fees (including reasonable attorney’s fees and costs of defense), proceedings, actions, demands, and suits of any kind and nature, including but not limited to, personal injury (including death), property damage, or other harm for which recovery

of damages is sought that may arise out of or be caused by the negligent or intentional act, error, or omission of Vendor, or that of its agent, officer, representative, employee, or sub-consultant (collectively "Vendor Affiliate") while in the exercise or performance of the rights or obligations under this Contract. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of the Indemnified Parties, in instances where such negligence causes personal injury, death, or property damage. In the event Vendor and/or a Vendor Affiliate and any Indemnified Party are found jointly liable by a Court of competent jurisdiction, liability shall be apportioned comparatively in accordance with the laws of the State of Texas, without, however, waiving any governmental immunity available to the District, its employees/officials under Texas law and without waiving any defenses of District its employees/officials under the Texas Tort Claims Act or other Texas law. Vendor shall promptly advise District, in writing, of any claim or demand against an Indemnified Party, Vendor and/or a Vendor Affiliate known to Vendor, related to or arising out of activities of Vendor and/or a Vendor Affiliate under this Contract. The provisions of this Section are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

**11.2 Intellectual Property Rights Indemnification.** Vendor shall INDEMNIFY, DEFEND, AND HOLD HARMLESS the District, its elected officials, employees, officers, and representatives harmless from and against any and all liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) for infringement of any patent, copyright or similar property right including, but not limited to, misappropriation of trade secrets and any infringement by Vendor and its employees and consultants, in connection with any license provided, any deliverable or any Service furnished hereunder, and used by either the District or Vendor within the scope of this Contract (unless said infringement results directly from Vendor's compliance with District's written standards or specifications).

**11.3 Defense Counsel.** In connection with any indemnification obligation in this Section 11, District, in its sole discretion shall have the right to approve or select defense counsel to be retained by Vendor in fulfilling its indemnity obligation hereunder, unless such right is expressly waived by District in writing. District reserves the right to provide a portion, or all of its own defense, at its own expense; however, District is under no obligation to do so. Any such action by District is not to be construed a waiver of Vendor's obligation to defend District or a waiver of Vendor's obligation to indemnify District pursuant to this Section. Vendor shall retain District-approved defense counsel within seven (7) business days of District's written notice that District is invoking its right to indemnification under this Contract. If Vendor fails to retain counsel within such time period, District shall have the right to retain defense counsel on its own behalf, and Vendor shall be responsible for all costs incurred by District until such time as the Vendor provides a defense.

**11.4 Indemnity Survival.** The provisions of this Section 11 are solely for the benefit of the parties hereto, and not intended to create or grant any rights, contractual or otherwise, to any other person or entity and the obligations herein shall survive the termination or expiration of this Contract.

## **12. Work On School District Campuses.**

**12.1 Notice Before Entry During School Hours and Decorum on District Campuses.** Vendor acknowledges that work may be performed in connection with an educational facility that is currently occupied and in use. It is imperative that Vendor's deliveries and/or performance of Services not interfere with, interrupt, disturb, or disrupt District's normal operations or facilities. During school hours, when entry is not made on an emergency basis, Vendor shall notify the District in advance and arrange an escort for Vendor's representative.

**12.2 Compliance with Campus Rules.** Vendor agrees to and shall comply with all rules, regulations and requirements of the District and the school campus on which work is to be performed, and shall take all steps necessary to protect and guard the safety of the employees, students and invitees of District. Vendor recognizes the ongoing school activities in proximity with its onsite activities shall result in the need for prompt and effective coordination of its Services with those involved in the ongoing use of the premises. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Vendor shall be responsible for the actions of its employees and its subcontractors. The

Vendor recognizes the site is a public-school campus, and will prohibit the possession or use of alcohol, controlled substances, tobacco, and any prohibited weapons on the site and shall require adequate dress of the Vendor's forces consistent with the nature of the work being performed.

13. **Criminal Background Checks.** Vendor shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, District Board Policy CH (Legal) and (Local), and other policies and administrative requirements relating to or arising from such statute and rule(s); shall ensure that no covered employee of Vendor or of any subcontractor [if authorized] with a disqualifying criminal history performs Services under the award at or for the District; and shall timely provide written certifications thereunder in such form and substance as requested by the District. Vendor understands that any failure to comply with the requirements of this Section may be grounds for termination of its Contract with the District.

14. **Relationship.** **This Contract does not constitute a joint venture or partnership of any kind between the parties hereto. In addition, the parties expressly understand and agree the provision of Goods and/or Services is and shall be considered independent contractor work performed by Vendor, using Vendor's own talents, contacts, tools, vehicles, and equipment, and that nothing in this Contract in any way creates an express or implied contract of employment between the District and Vendor. Vendor is not and shall not be an employee of the District for any purpose. Vendor is exclusively responsible for all administrative matters relating to its status hereunder or the Goods and/or Services, including without limitation, travel, lodging, and other expenses, any withholding and payment of all federal, state and local income taxes, FICA, FUTA, or other employment-related taxes, workers' compensation insurance, fringe benefit programs, or other benefits of any kind. Vendor represents that it is an independent contractor providing goods and/or services for hire similar to the Goods and/or Services to the general public, that it has full authority and capacity to enter into this Contract and provide the Goods and/or Services, and that execution or performance of this Contract by Vendor shall not violate any other agreement or covenant or any law.**

15. **Federal Edgar Provisions.** Vendor acknowledges in the event federal funds are used to fund the Goods and/or Services delivered under the Contract, Vendor will abide by all applicable federal laws, rules, and regulations, executive orders, and policies, procedures and directives applicable to the Contract, including but not limited to the following:

15.1 **Contractual Remedies.** Vendor agrees that it will comply with all administrative, contractual, legal remedies, sanctions, and penalties for violation or breach that are included in this Contract.

15.2 **Wage and Hour Requirements.** To the extent this Contract involves the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), which requires Vendor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. This provision will not apply to the District's purchases from Vendor of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

15.3 **Clean Air Act and EPA.** Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 -7671q) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387) and agrees to promptly notify the District of any violation.

15.4 **Debarment and Suspension.** Vendor has certified that neither the Vendor nor its principals were listed on the government-wide exclusions in the System for Award Management ("SAM") that neither the Vendor nor its principals are debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549 at the time this Contract was executed. Vendor further agrees on behalf of itself and its principals, to immediately provide written notification to the District if, at any time following execution of this Contract, Vendor or one of its principals learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances, or if Vendor or one of its principals is later listed on the government-wide exclusions in

SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Failure to notify the District of erroneous information within five (5) business days of change in circumstances shall be grounds for immediate termination, but termination of Vendor shall not be an election of remedy by the District.

15.5 Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352. Vendor confirms its certification to the District that:

A. No Federal appropriated funds have been paid or will be paid, by or on behalf of Vendor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

B. Vendor further certifies that if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Vendor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Vendor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., providing administrative remedies for false statements, apply to this certification and disclosure, and that this certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Finally, Vendor agrees that it will require the language of this certification be included in the award documents for all lower-tier contractors it hires, and that it will ensure all subcontractors make the same certification in connection with work done under the Contract. The certification in this Section is a material representation of fact upon which the District has placed its reliance.

15.6 Compliance with Mandatory Provisions of State Energy Conservation Plan. Vendor shall comply with the all mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201), if any.

15.7 Compliance with Solid Waste Disposal Act. If the District purchased the same item or items from the Vendor under this Contract, which were purchased by the District during the preceding fiscal year, and the prior purchase exceeded \$10,000, Vendor agrees that it will comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, where applicable, and that it will provide information and certifications required by the District confirming estimates and otherwise evidencing such compliance.

15.8 Equal Employment Opportunity Clause. Vendor represents, warrants and certifies that, during the performance of the Contract:

A. it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination;

B. it will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin;

C. it will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with Vendor's legal duty to furnish information;

D. it will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

E. it will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor;

F. it will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders;

G. in the event of Vendor's non-compliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations, or orders, the Contract may be canceled, terminated or suspended in whole or in part and the Vendor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law; and

H. it will include the provisions of paragraphs (A) through (G) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. Vendor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event Vendor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Vendor may request the United States to enter into such litigation to protect its interests.

15.9 Termination for Convenience. Notwithstanding any provision to the contrary contained in this Contract, if federal funds are used to fund the purchase represented by this Contract, the District reserves the right to terminate this Contract for convenience. In such event, the District agrees it will be responsible for all legitimate charges with respect to periods prior to the termination.

## 16. Miscellaneous.

16.1 Assignment/Delegation. Without the prior written consent of the other party, no party shall have right or power to assign this Contract in whole or in part, or to delegate or sub-contract any duties hereunder in whole or part. Any attempted assignment or delegation by Vendor shall be wholly void and ineffective for all purposes unless made in the conformity with this paragraph.

16.2 Governing Law and Venue. **THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND IS PERFORMABLE IN EL PASO COUNTY, TEXAS.**

16.3 No Waiver of Immunity. The District reserves, and does not waive, its rights of sovereign/governmental immunity and similar rights, immunities and rights of its officials and employees, under the Texas Tort Claims Act. Nothing herein shall be a consent to suit.

16.4 No Third-Party Beneficiaries. This Contract, and every provision thereof, shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns. No term or provision of this Contract shall benefit or obligate any person or entity not a party to it. The parties hereto shall cooperate fully in opposing any attempt by any third person or entity to claim any benefit, protection, release or other consideration under this Contract.

16.5 Context. Wherever the context shall require, the singular shall include the plural, and the male gender shall include the female gender and the neuter, and vice versa.

16.6 Attorney's Fees. In the event that either party brings an action to enforce or interpret any provision of this Contract, the prevailing party will be entitled to recover its costs and expenses including, without limitation, reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which it shall be entitled to receive, as determined by the trier of fact in such dispute.

16.7 Waiver. No waiver, change, modification or discharge by either party hereto of any provision of this Contract shall be deemed to have been made or shall be effective, unless expressed in writing and signed by the party to be charged. A waiver by either party of a breach of any of the terms, conditions, covenants or guarantees of this Contract shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either party to insist in any one or more cases upon the strict performance of any of the covenants of this Contract, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. No act or omission by a party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

16.8 Severability. Any provision, or part thereof, of this Contract held by a court of competent jurisdiction to be invalid or unenforceable shall not impair or invalidate the remainder of this Contract and the effect thereof shall be confined to the provision, or part thereof, so held to be invalid or unenforceable.

16.9 Time of Essence. Time is of the essence with respect to Vendor's obligations hereunder.

16.10 Public Records. Records relating to this Contract may be subject to disclosure pursuant to the Texas Public Information Act f/k/a Open Records Act, Section 552.001 et. seq. of the Texas Government Code. To the extent any of the Goods and/or Services under this Contract involve the exchange or creation of Public Information as defined by such Act, the Vendor shall make any such information, not otherwise exempted from disclosure under such Act, available in writing and electronically in Microsoft Word, Microsoft Excel and or Adobe Acrobat.

16.11 Notices. All notices to a party under this Contract shall be provided by certified mail, return receipt requested, to the address set forth for the respective party beneath its signature block in this Contract, or such other address as later provided by a party through written notice to the other party.

16.12 Advertising. Vendor shall not advertise or publish, without the District's prior consent, the fact that the parties have entered into this Contract, except to the extent necessary to comply with proper requests for information from a representative of the federal, state, or local government.

16.13 Right to Audit and Records Access. The District, or its authorized representative (including Texas Education Agency and the Comptroller General), shall be given reasonable access to records and rights to perform audits by the District's own personnel and/or an outside firm of consultants/auditors, in order to investigate the District's claims, the Services, and/or evaluate the performance of the Vendor. The Vendor agrees to provide full cooperation during this process. Performance of these functions shall be

conducted with proper notification per customary industry standards. Vendor agrees to maintain all required records for five (5) years after the District makes final payment and all other pending matters are closed.

16.14 Israel Certification. Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

16.15 Firearms Certification. The Vendor represents, warrants, and covenants to the District that the Vendor: (a) does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (b) will not discriminate against a firearm entity or firearm trade association during the term of this Contract. For purposes of this provision, the terms “firearm entity”, “firearm trade association” and “discriminate against a firearm entity or a firearm trade association” shall have the same meaning as set forth in Government Code Section 2274.001 et. seq.

16.16 Energy Company Certification. Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001, (a) does not boycott energy companies; and (b) will not boycott energy companies during the term of this Contract.

16.17 Entire Contract/Modification. **THIS CONTRACT IS THE FINAL, COMPLETE, AND ENTIRE CONTRACT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER AND SUPERSEDES ALL PRIOR COMMUNICATIONS, ORAL OR WRITTEN, BETWEEN THE PARTIES RELATING TO MATTERS HEREIN. THIS CONTRACT MAY BE MODIFIED OR RESCINDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY BOTH PARTIES TO THE CONTRACT BY AND THROUGH THEIR DULY AUTHORIZED AGENTS. Changes to this Contract may only be made by mutual written agreement of the parties, which must contain the authorized signature of the District's Superintendent or the President of the District's Board of Trustees.** No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this Contract shall not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. In the event of any conflict between this Contract and the General Terms and Conditions of the contract attached to the Solicitation Document, the terms of this Contract shall control.

[Signatures on next page]

EXECUTED as of the \_\_\_\_ day of \_\_\_\_\_, 2024.

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Diana Sayavedra, Superintendent

APPROVED AS TO FORM  


By: \_\_\_\_\_  
Jeanne C. Collins, General Counsel  
**Signed: Wednesday, June 12, 2024**

ADDRESS FOR NOTICE:

El Paso Independent School District  
Attn: Superintendent  
1014 N. Stanton Street  
El Paso, Texas 79902

With Copy to:  
General Counsel  
El Paso Independent School District  
1014 N. Stanton Street  
El Paso, Texas 79902

VENDOR: INSIGHT PUBLIC SECTOR, INC.

*Lisanne Steinheiser*  
By: \_\_\_\_\_  
Lisanne Steinheiser,  
Global Compliance Officer

ADDRESS FOR NOTICE:

2701 E. Insight Way  
Chandler, AZ 85286

**EXHIBIT "A"**  
**Goods to Be Delivered and Pricing**

**If Delivery By Unit Pricing:**

<b>Item Description</b>	<b>Item Number</b>	<b>Units Required</b>	<b>Price Per Unit</b>	<b>Total Price</b>
Microsoft SQL Server Enterprise Core Edition - license & software assurance - 2 cores EES -ADD PROD- LSA Maintenance coverage is through your contract anniversary date	7JQ-00341-MCEES	84	\$1,250.96	\$105,080.64
Microsoft Windows Server Datacenter Edition - license & software assurance - 2 cores EES -ADD PROD- LSA Maintenance coverage is through your contract anniversary date.	9EA-00039-MCEES	144	\$38.70	\$5,572.80
M365 A3 Unified Edu Sub Per User B-EES-FACULTY-ENTERPRISE MNTHLY SUBS- MONTH 12	AAD-38391-MCEES	6,580	\$54.21	\$356,701.80
Microsoft 365 A3 - subscription license- 1 user B-EES -STUDENT-ENTERPRISE MNTHLY SUBS - MONTH 12	AAD-38397-MCEES	58,778	\$0.00	\$0.00
			<b>TOTAL</b>	<b>\$467,355.24</b>

**Other Description of Goods To Be Delivered:** See Exhibit "B".

**EXHIBIT “B”**  
**Scope of Services and Deliverables**

**Scope of Services:**

Place(s) of Provision of Services:

District at 1014 N. Stanton St., El Paso, TX 79902

Date(s)/Period of Provision of Services:

August 01, 2024 – July 31, 2025

Description of Services:

Vendor will provide District with, including, but not limited to the following:

- **Microsoft SQL Server Enterprise Core Edition:**

Microsoft SQL Server Enterprise Core Edition will provide a comprehensive database management service designed for large enterprises. It will ensure robust data storage, retrieval, and management capabilities with high availability, disaster recovery, and in-memory processing features. It will also support advanced security measures, real-time analytics, and business intelligence, allowing District to efficiently manage large volumes of data, perform complex queries, and generate detailed reports. This edition is tailored for critical applications requiring high performance, scalability, and reliability.

- **Microsoft Windows Server Datacenter Edition:**

Microsoft Windows Server Datacenter Edition, an Enterprise Server version, will provide unlimited virtual machine instances on a single server, advanced security features, Software-Defined Networking (SDN), high-availability storage solutions, and enhanced management tools.

- **The Microsoft 365 Education A3 Staff plan:**

The Microsoft 365 Education A3 Staff plan will provide a comprehensive suite of services designed for educational institutions. It will include desktop versions of Office applications such as Word, Excel, PowerPoint, OneNote, and Outlook, along with collaboration tools like Microsoft Teams. Additionally, it will provide advanced security and management features, including Microsoft Intune for Education, which allows for simplified device management, and Microsoft Defender for Office 365, providing enhanced threat protection. The A3 plan will also include tools like Microsoft Bookings and Live Events to facilitate administrative tasks and virtual interactions, making it suitable for schools seeking robust educational and administrative solutions.

- **The Microsoft 365 Education A3 Student plan:**

The Microsoft 365 Education A3 Student plan will provide a comprehensive suite of services designed for educational institutions. It will include desktop versions of Office applications such as Word, Excel, PowerPoint, OneNote, and Outlook, along with collaboration tools like Microsoft Teams. Additionally, it will offer advanced security and management features, including Microsoft Intune for Education, which allows for simplified device management, and Microsoft Defender for Office 365, providing enhanced threat protection. The A3 plan will also include tools like Microsoft Bookings and Live Events to facilitate administrative tasks and virtual interactions, making it suitable for schools seeking robust educational and administrative solutions.

**Deliverables:**

<b>Report or Other Deliverable</b>	<b>Expected Delivery Date</b>
<b>Microsoft SQL Server Enterprise Core Edition - license &amp; software assurance - 2 cores (EES -ADD PROD- LSA)</b>	<b>August 1, 2024</b>
<b>Microsoft Windows Server Datacenter Edition -license &amp; software assurance - 2 cores (EES -ADD PROD- LSA)</b>	<b>August 1, 2024</b>
<b>M365 A3 Unified Edu Subs (B-EES-FACULTY- ENTERPRISE MNTHLY SUBS- MONTH 12)</b>	<b>August 1, 2024</b>
<b>Microsoft 365 A3 - subscription licenses (B-EES - STUDENT- ENTERPRISE MNTHLY SUBS - MONTH 12)</b>	<b>August 1, 2024</b>

**EXHIBIT "C"**  
**Compensation**

**Compensation** [mark/complete one or more as applicable]:

N/A \$ \_\_\_\_\_ (Lump Sum/Fixed Price)

N/A Payable at completion.

N/A Quarterly Payments of \$ \_\_\_\_\_ beginning \_\_\_\_\_.

N/A Payable as follows:

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

N/A \$ \_\_\_\_\_ per \_\_\_\_\_, (with a not to exceed cap of \$ \_\_\_\_\_)

N/A \$ \_\_\_\_\_ per hour, (with not to exceed cap of \$ \_\_\_\_\_, based on rates below) payable monthly based upon hours and types of Goods and Services provided and documented in invoice.

Other [please explain]: District will pay \$467,355.24 within 30 days after receipt of invoice and after satisfactory delivery and/or activation of all goods and/or services.

**Expenses:** [Description]: N/A \_\_\_\_\_

**Total Compensation for Goods and Services Permitted under this Contract:** \$467,355.24.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS CONTRACT IS CONDITIONED UPON THE COMPENSATION FOR THE INITIAL TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS CONTRACT IS VOID.**

**ADDITIONALLY, FOR THE TERM OF THIS CONTRACT, THIS CONTRACT IS CONTINGENT UPON ITS UNDERLYING PROCUREMENT (DIR-CPO-5239) BEING VALID FOR THE ENTIRE CONTRACT AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**

# Signed\_6.12.24\_ vendor.agmt goods\_services\_Insight Public Sector (2)

Final Audit Report

2024-06-13

Created:	2024-06-13
By:	Hannah Bosarge (HANNAH.BOSARGE@INSIGHT.COM)
Status:	Signed
Transaction ID:	CBJCHBCAABAAaA6AYduKpPw0Ocnw-BB3ULNWJi6j0ODj

## "Signed\_6.12.24\_ vendor.agmt goods\_services\_Insight Public Sector (2)" History

-  Document created by Hannah Bosarge (HANNAH.BOSARGE@INSIGHT.COM)  
2024-06-13 - 12:22:49 PM GMT- IP address: 20.94.167.121
-  Document emailed to Lisanne Steinheiser (lisanne.steinheiser@insight.com) for signature  
2024-06-13 - 12:23:25 PM GMT
-  Email viewed by Lisanne Steinheiser (lisanne.steinheiser@insight.com)  
2024-06-13 - 12:34:51 PM GMT- IP address: 20.125.67.140
-  Document e-signed by Lisanne Steinheiser (lisanne.steinheiser@insight.com)  
Signature Date: 2024-06-13 - 12:35:05 PM GMT - Time Source: server- IP address: 20.125.67.140
-  Agreement completed.  
2024-06-13 - 12:35:05 PM GMT



**Board of Trustees**

**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Expenditures to Purchase IDAUTO Software from Decision Tree, Inc., Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC), Contract #24-7480, Technology, Hardware, Software, Services and Related (Supplemental) (Budgeted Local Funds - \$212,000.00)*

**JUSTIFICATION STATEMENT:**

(To provide identity and access management solution for the District)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Manny Verduzco and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

The Interlocal Cooperative Agreement is one (1) of seven (7) approved purchasing methods allowed under the Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000.00.

The Information Security and Technology Department requests the purchase of IDAUTO software from Decision Tree, Inc., to be able to customize, secure, and drop-in solution to add authentication and authorization services, known as identity and access management (IAM). This will allow verification of a user's identity and their level of access to a particular system. Within that scope, both authentication and access control can be monitored, which will regulate each user's level of access and secure user data.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the expenditures for the purchase of IDAUTO software from Decision Tree, Inc., utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC), Contract #24-7480, in the amount of \$212,000.00, for a one-time purchase, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget.

**FUNDING SOURCE:** Budgeted Local Funds **ACCOUNT NO.:** 199.53.6XXX.911.99.XXX.911

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$212,000.00
- **FUTURE/ONGOING:** N/A

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

Not having an Identity and Access Management (IAM) solution can lead to significant security risks, such as unauthorized access and data breaches, compliance issues with regulations, and operational inefficiencies.

**IMPLEMENTATION TIMELINE:** Upon Approval

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ Region 19 Contract
- ▢ Signed Contract

**EDUCATION SERVICE CENTER REGION 19 ALLIED STATES COOPERATIVE**  
**RFP AWARD SUMMARY**

**RFP TITLE:** Technology, Hardware, Software, Services and Related  
(Supplemental) – ESC Region 19 Allied States Cooperative

**RFP NUMBER:** 24-7480

**RFP OPENING DATE:** December 1, 2023

**CONTRACT TERM:** Date of award until January 31, 2025, with 2 annual extension options.

**FUNDING SOURCE:** Various

**RFP's ISSUED:** 1,329

**RESPONSES:** 61

**ADVERTISEMENT DATES:** El Paso Times – October 30, 2023 & November 6, 2023

**RECOMMENDED FOR AWARD:** **Abre.io**  
**Adjuvant Consulting, Inc.**  
**Advanced Security Contractors, Inc. (HUB)**  
**AGiRepair, Inc.**  
**Aspire HR, Inc.**  
**Automation Arts**  
**AVES Audio Visual Systems Inc (HUB)**  
**AVX (D.W. Collins Inc)**  
**Binyod LLC**  
**Cellco Partnership d/b/a Verizon Wireless (Verizon Communications Inc.)**  
**Cibus Brokerage (Michael & Lourdes Company LLC) (Nerdy Cat Technology)**  
**Comco Inc. (HUB)**  
**Curipod AS**  
**Currey Adkins LP (Currey Adkins Company)**  
**DBA University, Inc.**  
**Decision Tree Inc. (HUB)**  
**El Paso Office Products (El Paso Office Products, LLC) (HUB)**  
**Embark Corporation**  
**ERP Analysts, Inc.**  
**ESEI (Electro Systems Engineers, Inc.) (HUB)**  
**Five Star Technology Solutions (James H. Benson)**  
**Gamwell Technologies Inc**  
**GoTo Communications, Inc.**  
**Hello World CS (HW Tech Studio, Inc)**  
**Infrastructure R&D**  
~~**Intelligent Technology Solutions (Teresa Ahmadi) (HUB)**~~  
\*updated 1/23/2024  
**LD Products, Inc.**  
**Learning List (HUB)**  
**LibraryTrac**  
**Masser Technologies (The Masser Group, Inc.)**  
**Mender (Taber Group, LLC)**  
**MobyMax (MobyMax Education, LLC)**  
**Mood Texas (Muzicom Inc)**  
**Mountain Vector Energy**  
**New Tech Solutions, Inc.**  
**Par5 Technologies LLC (Jeffrey Parnell) (HUB)**  
**Precision Solutions, LLC**

Reflection Sciences, Inc.  
Softdocs SC LLC  
Spectrum Technologies (Spectrum Imaging Technologies Inc.) (HUB)  
True North Consulting Group, LLC.  
Tuatara Consulting Inc.  
Utility Solutions Partners LLC  
Yoongli LLC  
TOTAL (estimated) \$100,000,000.00/year

**EXPLANATIONS:**

Award of this solicitation will enable ESC Region 19 - Allied States Cooperative (ASC) to establish a contract with vendor(s) for Technology, Hardware, Software, Services and Related (Supplemental) for those procurements made with federal, state or local funds. Evaluation and award recommendation were based on 70% pricing and 30% references. The awarded vendors' pricing and information can be found on the Award Detail spreadsheet. Audio Optical Systems of Austin Inc., CEV Multimedia Ltd., CompTIA (The Computing Technology Industry Association, Inc), and EPS Operations LLC (EEP-EPS Holdings, LLC) submitted a proposal however were not considered; vendors are already awarded on an existing contract better fit for their company. Brainchild (Brainchild Unlimited, Inc.), IXL Learning Inc., Lakeshore Learning Materials LLC (Lakeshore Parent, LLC), Mackin Educational Resources (Mackin Book Company), Ori Learning (SpecialNeedsWare, Inc), Playlearn USA Inc., Progress Learning LLC, Rally! Education, Renaissance Learning Inc., Santech LLC, and Teaching Strategies, LLC (UTJ Holdco, Inc.) submitted a proposal however were not considered; vendors are already awarded on an existing contract better fit for their company and do not meet the scope of work. Pyramid School Products (Pyramid Paper Company), and The Cable Source (The Cable Source Ltd. Co.) submitted a proposal however were not considered; vendors do not meet the scope of work. Intelligent Technology Solutions (Teresa Ahmadi) was removed from award for failure to submit insurance as per the bid requirements.

**SPECIFICATIONS, PREPARATION AND EVALUATION PROVIDED BY:**

Rebecca Hernandez – ESC Region 19

Andrea Amiri – ESC Region 19

Patty Delgado - ESC Region 19

**Special Conditions**

1. This solicitation is a supplemental solicitation to 20-7359, 21-7394, 22-7429, and 23-7452. Vendors awarded on 20-7359, 21-7394, 22-7429, and 23-7452 do not need to respond to this solicitation as they are already awarded. To view the Award Summary documents to see if you are awarded on these solicitations, please go to: <http://www.alliedstatescooperative.com/contracts.php?letter=ALL>.
2. This solicitation is for all software, hardware, cloud services, licensing and any technology related items and/or services.
3. Vendors can respond with a discount from product catalog/price list as well as an hourly rate for services, if applicable.
4. This solicitation is not for a specific purchase or specific items. By earning a contract, vendors will be able to provide future products and services to any ASC members.

Approved By: \_\_\_\_\_  
Dr. Armando Aguirre

Date: \_\_\_\_\_  
January 5, 2024

**VENDOR CONTRACT**  
**(Goods and Services)**

THIS VENDOR CONTRACT FOR GOODS AND SERVICES ("this Contract") is between DECISION TREE, INC. (the "Vendor") and the EL PASO INDEPENDENT SCHOOL DISTRICT ("District"). The Effective Date of this Contract is August 1, 2024 regardless of when executed. For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

1. **Term.**

1.1 **Term.** The term of this Contract shall be for a period from August 1, 2024 through July 31, 2025, [with 1 year (s) annual renewal(s)] unless earlier terminated in accordance with this Contract. Annual renewals, if any, shall be at the sole discretion of the District.

1.2 **Non-Appropriation.** In the event the Contract is awarded for a term greater than one year or extending beyond the District's current budget period, it will be subject to approval at the commencement of each of the District's budget years. Vendor agrees that the District has the continuing right to terminate this Contract without notice at the end of a District budget period in which funds for this Contract are not appropriated. In such event the Contract may be terminated as soon as practicable after the event of non-appropriation or upon 30-days' prior written notice whichever provides the longest notice.

2. **Cancellation/Termination.**

2.1 **Termination.** This Contract may be terminated as follows: (a) by either party in the event of material breach of this Contract by the other party which continues more than thirty (30) days after written notice of default from the non-breaching party to the breaching party; or (b) by the District at its option: (i) if Vendor fails, as determined by the District's representative, to satisfactorily perform the duties set out in this Contract, comply with any covenant herein required or breach any warranty provided herein; becomes insolvent, files or has filed against it a petition in bankruptcy, proposes or accomplishes any dissolution, liquidation, composition, financial reorganization or recapitalization with creditors; (ii) if a receiver, trustee, custodian, or similar agent is appointed or takes possession of any property or business of Vendor; (iii) if, at the expiration of each District budget period occurring during the term of this Contract, funds for this Contract are not appropriated as provided in Section 1.2 above; or (iv) with or without cause upon thirty days prior written notice from the District to Vendor. In the event of early termination of the Contract for any reason, the total compensation which may be claimed by Vendor under this Contract shall be limited [subject to other limitations in this Contract or applicable law] to the payment for the conforming Goods and/or Services timely provided by the date of termination.

2.2 **Effect.** Within forty-five (45) calendar days of the effective date of completion, or termination or expiration of this Contract, Vendor shall submit to District its claims, in detail, for the monies owed by District for Services satisfactorily performed or Goods delivered and accepted under this Contract through the effective date of termination. **Failure by Vendor to submit its claims within forty-five (45) calendar days shall negate any liability on the part of District and constitute a waiver by Vendor of any and all right or claims to collect monies that Vendor may rightfully be otherwise entitled to for Services satisfactorily performed or Goods delivered under this Contract.** Regardless of how this Contract is terminated, Vendor shall effect an orderly transfer to District or to such person(s) or firm(s) as the District may designate, at no additional cost to District. Upon the effective date of expiration or termination of this Contract, Vendor shall cease all operations of Services being performed or delivery of Goods by Vendor, or any of its subcontractors, pursuant to this Contract. All completed or partially completed documents, papers, records, charts, reports, and any other materials or information produced, or provided to Vendor, in connection with the Services rendered by Vendor under this Contract, regardless of storage medium, shall be transferred to District. Such record transfer shall be completed within thirty (30) calendar days of the termination date and shall be completed at Vendor's sole cost and expense. Payment of compensation due or to become due to Vendor is conditioned upon delivery of all such documents.

3. **Right to Assurance.** Whenever the District in good faith has reason to question the Vendor's intent to perform, the District may demand that the Vendor give written assurance of its intent to perform. In the

event that a demand is made and no assurance is given within five business (5) days, the District may treat this failure as an anticipatory repudiation of the Contract.

4. **Remedies.** In the event of default of this Contract by Vendor, the District shall have all of, and may exercise one or more of, the following rights and remedies: (a) the right to recover damages; (b) the right to seek injunctive relief; (c) the right to seek declaratory relief; (d) the right to off-set and/or retain from payments otherwise due to Vendor damages, fees, and costs sustained or incurred by the District in connection with such breach; (e) the right to terminate this Contract as provided herein; and (f) any of its rights and remedies in law or equity. In no event shall District's action of terminating this Contract, whether for cause or otherwise, be deemed an election of District's remedies, nor shall such termination limit, in any way, at law or at equity, District's right to seek damages from or otherwise pursue Vendor for any default hereunder or other action.

5. **Force Majeure.** If by reason of Force Majeure (i.e. acts of God, strikes, lockouts, or other industrial disturbances, etc.), either party hereto shall be rendered unable, wholly or in part, to carry out its obligations under this Contract, then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

6. **Goods and Services to Be Delivered.**

6.1 **Delivery, Packaging and Acceptance of Goods.**

A. Vendor agrees to provide the Goods listed and described in Exhibit "A," which is attached hereto and incorporated herein by reference for all purposes [or any subsequent Goods required to be delivered to the District under this Contract] (collectively, the "Goods"). Unless otherwise stated in Exhibit "A", the Goods shall be delivered in accordance with the following Standard Delivery Terms:

(i) F.O.B. District's James Gamble Facility, 4900 Woodrow Bean Drive, El Paso, Texas 79924.

(ii) Goods will be packed in accordance with good commercial practice and in a manner which will facilitate securing the lowest transportation costs, conform to requirements of common carriers and any applicable specifications. Each shipping container shall be clearly and permanently packed and identified with: (a) Vendor's name and address; (b) if applicable, consignee's name, address and purchase order and bid number; (c) container number and total number of containers, e.g. box 1 of 4 boxes; and (d) the number of the container bearing the packing slip. Vendor shall bear cost of packaging unless otherwise provided. The District's count or weight determination shall be final and conclusive on shipments not accompanied by packing slips/lists. The Goods will be delivered with an Operator's Manual and a Maintenance and Parts Manual, if one exists.

(iii) The District assumes no liability for Goods delivered in damaged or in unacceptable condition. The Vendor shall handle all claims with insurance carriers, and in the event that Goods are damaged in transit shall ship replacement Goods immediately upon notification by the District of damage. Delivery will be made between the hours of 8:00 a.m. and 3:30 p.m. (MDT/MST) unless otherwise specified by the District in writing. Vendor is not authorized to ship the Goods under reservation and no tender of a Bill of Lading will operate as a tender of Goods. The District shall have the right to inspect the Goods at delivery before accepting them and no Goods will be accepted until written acceptance is provided by authorized District Representative. Any written warranties will commence upon acceptance of the Goods by the District.

(iv) **Repair and Replacement Information.** As the situation requires, the Vendor shall provide alternative quotes for both repair and replacement of any damaged Goods, if appropriate to the request. In the event the cost of repair is equal to or greater than seventy-five percent (75%) of the price of a new item, Vendor shall provide a written recommendation to

the District representative regarding the relative merits of repair or replacement of the item. Failure to adhere to these requirements may be grounds for the termination of the Contract.

6.2 Delivery of Services and Standard of Care.

A. Delivery. Vendor agrees to provide the Services listed and described in Exhibit "B," which is attached hereto and incorporated herein by reference for all purposes (collectively, the "Services"). Nothing contained in this Contract shall require District to pay for any unsatisfactory Services, as determined by District's representative, or for work that does not comply with the terms of this Contract.

B. Standard of Care. If the Services are performed by a non-professional Vendor, Vendor represents, covenants, and warrants that it will devote its good faith, best efforts in provision of the Services and will provide the Services with reasonable care and skill and in a good and workmanlike manner. If the Services are considered Professional Services, the Vendor further represents, covenants and warrants that it will provide the Services using the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same locale. Services will be provided in a manner consistent with industry standards and will conform to the required specifications set out herein, and shall be delivered in compliance with all applicable laws, rules, regulations, procedures and consistent with industry standards.

6.3 Warranties for Goods and Services.

A. Express Warranties. Vendor expressly represents, warrants and covenants, that:

(i) Vendor will devote its good faith, best efforts in provision of the Goods and/or Services.

(ii) Vendor has and will retain sufficient financial condition, working capital, experience, expertise, personnel, licenses, certifications, and authority to provide the Goods and/or Services, that it will provide copies of its licenses and certifications to the District upon request, and will comply with the vendor ethics policies of the District.

(iii) The Goods furnished conform with the specifications, drawings, descriptions and that the Services promised will adequately address the Scope of Services set forth in the Contract and its exhibits, the District's Request for Proposal, Request for Competitive Sealed Proposal or other solicitation for the Goods and/or Services contracted for herein (the "Solicitation Document"), and to any sample(s) furnished by Vendor, if any, in connection with the Contract or in response to the District's Request for Proposal.

(iv) The Goods and/or Services shall be delivered in compliance with all applicable laws, rules, and regulations, with District policies and procedures, and consistent with industry standards.

(v) In the event of a conflict between the specifications, drawings and descriptions of Goods to be provided, the specifications shall govern. In the event of a conflict between the Solicitation Document and the Contract, the Contract shall prevail.

(vi) All Goods are new and the quality of the Goods is consistent with or better than industry standard.

B. Implied Warranties.

(i) The Goods comply with all implied warranties, including but not limited to, the implied warranty of merchantability and fitness for the particular purpose for which they were obtained. The Vendor agrees to provide the Services agreed to herein in a good and workmanlike manner.

(ii) No implied warranties for Goods and/or Services or provided in connection with this Contract are waived modified or excluded by any provision of this Contract, or any terms and conditions included in any document prepared by the Vendor, and any provision so intended, or interpreted shall be treated as void *ab initio*.

C. **Safety Warranty and Provision of Material Safety Data Sheets.** As applicable, the Goods supplied to the District under this Contract shall conform to applicable standards promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act ("OSHA") of 1970. In the event the Goods do not conform to OSHA standards, the District will be permitted to refuse or return the non-conforming Goods for correction or replacement at the Vendor's expense. Where Goods to be delivered under this Contract require the maintenance of Material Safety Data Sheets ("MSDS"), a copy of the relevant MSDS will be made available to the District's representative prior to delivery of the relevant Goods.

6.4 **No Warranties by District.** No review, consent, or approval by the District of any documents prepared by Vendor shall constitute a representation or warranty by the District of the legality, suitability, or quality of the same or content thereof.

6.5 **Reservation of Rights.** The District reserves the right to use its own staff or any other third-party to provide the same or similar goods and/or services to the Goods and/or Services described herein.

7. **Tax Exemption.** The District is exempt from Federal Excise, State or City Sales Tax under State Law and such obligations are included in the price under this Contract. The District will furnish a tax exemption certificate, if required.

8. **Invoicing and Payment.** Compensation to Vendor is set forth on Exhibit "C," attached hereto and incorporated herein. Except as otherwise provided in Exhibit "C," Vendor shall invoice the District on or before the thirtieth (30<sup>th</sup>) day of each month, for the portions of the Goods delivered and accepted and/or Services performed during the preceding month at rates set forth on Exhibit "C." Reimbursable Expenses are included in the hourly rate or not to exceed pricing for Services unless specifically excluded. If excluded, Reimbursable Expenses will be itemized separately and documented by receipts for invoicing purposes. Invoices for Goods and/or Services shall not include Federal Excise, State or City Sales Tax for which an Independent School District is exempt under State law. The District shall furnish a tax exemption certificate, if required. The aggregate compensation from the District to Vendor for the Goods and/or Services shall not exceed the maximum figures stated in Exhibit "C." Vendor shall not be entitled to receive payments or amounts under the Contract in excess of the amounts appropriated for the then-current budget period of the District. The District shall make payment to the Vendor for amounts determined to be properly due, not later than thirty (30) days after its receipt of the Vendor's invoice or as required by the Texas Prompt Payment Act (Chapter 2251 of the Texas Government Code) or its successor. The maximum interest rate on any past due payments by the District to Vendor shall be limited to the rate provided by Section 2251.025 of the Texas Government Code or its successor. The District shall not be required to make any payments to Vendor at any time Vendor is in default under this Contract.

9. **Confidential/Proprietary Information.**

9.1 **Confidential Information/Materials.** Vendor understands that, during the term of this Contract, Vendor will have access to certain information belonging to the District and designated as confidential by the District or not generally known by non-District personnel (collectively, the "Confidential Information"). During the term of this Contract and at all times thereafter, Vendor shall not, without the prior written consent of the District, do any of the following, directly or indirectly: (a) use any of the Confidential Information for Vendor's own purposes or for the purposes of any person or entity other than the District; and/or (b) disclose any of the Confidential Information to any third party, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Vendor further shall take all steps necessary to prevent disclosure of Confidential Information by any other person or entity, during the term of this Contract and at all times thereafter, without the prior written consent of the District. All data, disks, lists, financial records, other records, documents, property, information, specifications, and materials of the District relating to the Goods and/or Services provided to Vendor during the term of this Contract, as well as all copies thereof (collectively the "Materials"), shall be and remain the sole and exclusive property of the District. None of the Materials shall be retained by Vendor, or shall be transmitted to anyone at any time, either now or in the future, except as reasonably and in good faith required in connection with

performance of this Contract by Vendor. Upon termination of this Contract, or upon request by the District, Vendor shall promptly return the Materials to the District. The Materials are included within the definition of Confidential Information. Vendor further agrees that, if it receives information or records concerning any student, it shall not disclose the same, except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA.

9.2 **Intellectual Property Rights.** If Vendor, as part of the delivery of the Goods and/or Services, will be working with the District, [all references to Vendor and District in this paragraph shall include their respective agents, employees and representatives], to create and/or develop materials or other work products, including visual, audio, written and graphic material (the "Resulting Work Product") for which the Vendor will receive any consideration provided for in this Contract, the Resulting Work Product (including all of Vendor's contributions to the creation or development of the Resulting Work Product), and any state or federal trademark rights, copyrights, patents or other intellectual property rights associated with the Resulting Work Product (collectively, the "Intellectual Property Rights") will at all times remain the exclusive property of the District. Vendor agrees to assist the District in any way necessary, including executing any assignments or other documents, required to document the District's ownership rights in the Resulting Work Product and the associated Intellectual Property Rights, as applicable; including taking any action necessary for the District to secure state or federal registration of its Intellectual Property Rights in the name of the District. No separate or additional consideration, other than the consideration paid under this Contract, will be provided by the District for any provision of any assignments or conveyance of the Resulting Work Product, or of Intellectual Property Rights associated with the Resulting Work Product. The Vendor shall assure that its authorized subcontractors or agents, not under its control as employees, are aware of this provision and are contractually bound thereby.

10. **Vendor Records and Retention.** The District or its authorized representative shall be afforded unrestricted access to and be permitted to inspect and copy all of the Vendor's records, which shall include but not be limited to accounting records (hard copy as well as computer readable data), correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to this Contract. The Vendor shall preserve all such records for a period of five (5) years, after the District makes final payment and all other pending matters are closed, or for such longer period as may be required by law, after final payment under this Contract, including any extension thereof. To the extent that the requirements of 2 CFR § 200.333 apply to the Contract, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award, must be retained for the Vendor for only the period required by 2 CFR § 200.333 and the five (5) year requirement of this provision shall apply to all other documents. If no federal funds are expended by the District for the Contract, the five (5) year retention requirement provided herein will apply.

For a Contract involving at least \$1 million in Goods/Services, the following provision shall apply: Vendor shall preserve for the duration of this Contract all "contracting information" within the meaning of Texas Government Code Section 552.003(7) et. seq. relating to this Contract (the "Contracting Information") as provided by the records retention requirements applicable to the District. Vendor shall provide to the District, upon its request, any Contracting Information that is in the custody or possession of Vendor. Upon completion of this Contract, Vendor shall either provide at no cost to the District all Contracting Information in the custody or possession of Vendor or instead preserve all Contracting Information as provided by the records retention requirements applicable to the District. Pursuant to Texas Government Code Section 552.372(b), the following notice is given to Vendor: The requirements of Subchapter J, Chapter 552, Government Code, may apply to this Contract, and Vendor agrees that the Contract can be terminated if Vendor knowingly or intentionally fails to comply with a requirement of that Subchapter.

11. **Indemnification.**

11.1 **General Indemnification.** Vendor agrees to INDEMNIFY, DEFEND, AND HOLD HARMLESS the District and its trustees, officers, agents, representatives and employees (collectively, the "Indemnified Parties") from and against, any and all claims, causes of action, liability, lawsuits, judgments, costs, liens, losses, expenses, fees (including reasonable attorney's fees and costs of defense), proceedings, actions, demands, and suits of any kind and nature, including but not limited to, personal injury (including death), property damage, or other harm for which recovery

of damages is sought that may arise out of or be caused by the negligent or intentional act, error, or omission of Vendor, or that of its agent, officer, representative, employee, or sub-consultant (collectively "Vendor Affiliate") while in the exercise or performance of the rights or obligations under this Contract. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of the Indemnified Parties, in instances where such negligence causes personal injury, death, or property damage. In the event Vendor and/or a Vendor Affiliate and any Indemnified Party are found jointly liable by a Court of competent jurisdiction, liability shall be apportioned comparatively in accordance with the laws of the State of Texas, without, however, waiving any governmental immunity available to the District, its employees/officials under Texas law and without waiving any defenses of District its employees/officials under the Texas Tort Claims Act or other Texas law. Vendor shall promptly advise District, in writing, of any claim or demand against an Indemnified Party, Vendor and/or a Vendor Affiliate known to Vendor, related to or arising out of activities of Vendor and/or a Vendor Affiliate under this Contract. The provisions of this Section are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

**11.2 Intellectual Property Rights Indemnification.** Vendor shall INDEMNIFY, DEFEND, AND HOLD HARMLESS the District, its elected officials, employees, officers, and representatives harmless from and against any and all liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) for infringement of any patent, copyright or similar property right including, but not limited to, misappropriation of trade secrets and any infringement by Vendor and its employees and consultants, in connection with any license provided, any deliverable or any Service furnished hereunder, and used by either the District or Vendor within the scope of this Contract (unless said infringement results directly from Vendor's compliance with District's written standards or specifications).

**11.3 Defense Counsel.** In connection with any indemnification obligation in this Section 11, District, in its sole discretion shall have the right to approve or select defense counsel to be retained by Vendor in fulfilling its indemnity obligation hereunder, unless such right is expressly waived by District in writing. District reserves the right to provide a portion, or all of its own defense, at its own expense; however, District is under no obligation to do so. Any such action by District is not to be construed a waiver of Vendor's obligation to defend District or a waiver of Vendor's obligation to indemnify District pursuant to this Section. Vendor shall retain District-approved defense counsel within seven (7) business days of District's written notice that District is invoking its right to indemnification under this Contract. If Vendor fails to retain counsel within such time period, District shall have the right to retain defense counsel on its own behalf, and Vendor shall be responsible for all costs incurred by District until such time as the Vendor provides a defense.

**11.4 Indemnity Survival.** The provisions of this Section 11 are solely for the benefit of the parties hereto, and not intended to create or grant any rights, contractual or otherwise, to any other person or entity and the obligations herein shall survive the termination or expiration of this Contract.

## **12. Work On School District Campuses.**

**12.1 Notice Before Entry During School Hours and Decorum on District Campuses.** Vendor acknowledges that work may be performed in connection with an educational facility that is currently occupied and in use. It is imperative that Vendor's deliveries and/or performance of Services not interfere with, interrupt, disturb, or disrupt District's normal operations or facilities. During school hours, when entry is not made on an emergency basis, Vendor shall notify the District in advance and arrange an escort for Vendor's representative.

**12.2 Compliance with Campus Rules.** Vendor agrees to and shall comply with all rules, regulations and requirements of the District and the school campus on which work is to be performed, and shall take all steps necessary to protect and guard the safety of the employees, students and invitees of District. Vendor recognizes the ongoing school activities in proximity with its onsite activities shall result in the need for prompt and effective coordination of its Services with those involved in the ongoing use of the premises. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Vendor shall be responsible for the actions of its employees and its subcontractors. The

Vendor recognizes the site is a public-school campus, and will prohibit the possession or use of alcohol, controlled substances, tobacco, and any prohibited weapons on the site and shall require adequate dress of the Vendor's forces consistent with the nature of the work being performed.

13. **Criminal Background Checks.** Vendor shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, District Board Policy CH (Legal) and (Local), and other policies and administrative requirements relating to or arising from such statute and rule(s); shall ensure that no covered employee of Vendor or of any subcontractor [if authorized] with a disqualifying criminal history performs Services under the award at or for the District; and shall timely provide written certifications thereunder in such form and substance as requested by the District. Vendor understands that any failure to comply with the requirements of this Section may be grounds for termination of its Contract with the District.

14. **Relationship.** This Contract does not constitute a joint venture or partnership of any kind between the parties hereto. In addition, the parties expressly understand and agree the provision of Goods and/or Services is and shall be considered independent contractor work performed by Vendor, using Vendor's own talents, contacts, tools, vehicles, and equipment, and that nothing in this Contract in any way creates an express or implied contract of employment between the District and Vendor. Vendor is not and shall not be an employee of the District for any purpose. Vendor is exclusively responsible for all administrative matters relating to its status hereunder or the Goods and/or Services, including without limitation, travel, lodging, and other expenses, any withholding and payment of all federal, state and local income taxes, FICA, FUTA, or other employment-related taxes, workers' compensation insurance, fringe benefit programs, or other benefits of any kind. Vendor represents that it is an independent contractor providing goods and/or services for hire similar to the Goods and/or Services to the general public, that it has full authority and capacity to enter into this Contract and provide the Goods and/or Services, and that execution or performance of this Contract by Vendor shall not violate any other agreement or covenant or any law.

15. **Federal Edgar Provisions.** Vendor acknowledges in the event federal funds are used to fund the Goods and/or Services delivered under the Contract, Vendor will abide by all applicable federal laws, rules, and regulations, executive orders, and policies, procedures and directives applicable to the Contract, including but not limited to the following:

15.1 **Contractual Remedies.** Vendor agrees that it will comply with all administrative, contractual, legal remedies, sanctions, and penalties for violation or breach that are included in this Contract.

15.2 **Wage and Hour Requirements.** To the extent this Contract involves the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), which requires Vendor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. This provision will not apply to the District's purchases from Vendor of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

15.3 **Clean Air Act and EPA.** Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 -7671q) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387) and agrees to promptly notify the District of any violation.

15.4 **Debarment and Suspension.** Vendor has certified that neither the Vendor nor its principals were listed on the government-wide exclusions in the System for Award Management ("SAM") that neither the Vendor nor its principals are debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549 at the time this Contract was executed. Vendor further agrees on behalf of itself and its principals, to immediately provide written notification to the District if, at any time following execution of this Contract, Vendor or one of its principals learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances, or if Vendor or one of its principals is later listed on the government-wide exclusions in

SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Failure to notify the District of erroneous information within five (5) business days of change in circumstances shall be grounds for immediate termination, but termination of Vendor shall not be an election of remedy by the District.

15.5 Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352. Vendor confirms its certification to the District that:

A. No Federal appropriated funds have been paid or will be paid, by or on behalf of Vendor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

B. Vendor further certifies that if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Vendor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Vendor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., providing administrative remedies for false statements, apply to this certification and disclosure, and that this certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Finally, Vendor agrees that it will require the language of this certification be included in the award documents for all lower-tier contractors it hires, and that it will ensure all subcontractors make the same certification in connection with work done under the Contract. The certification in this Section is a material representation of fact upon which the District has placed its reliance.

15.6 Compliance with Mandatory Provisions of State Energy Conservation Plan. Vendor shall comply with the all mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201), if any.

15.7 Compliance with Solid Waste Disposal Act. If the District purchased the same item or items from the Vendor under this Contract, which were purchased by the District during the preceding fiscal year, and the prior purchase exceeded \$10,000, Vendor agrees that it will comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, where applicable, and that it will provide information and certifications required by the District confirming estimates and otherwise evidencing such compliance.

15.8 Equal Employment Opportunity Clause. Vendor represents, warrants and certifies that, during the performance of the Contract:

A. it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination;

B. it will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin;

C. it will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with Vendor's legal duty to furnish information;

D. it will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

E. it will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor;

F. it will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders;

G. in the event of Vendor's non-compliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations, or orders, the Contract may be canceled, terminated or suspended in whole or in part and the Vendor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law; and

H. it will include the provisions of paragraphs (A) through (G) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. Vendor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event Vendor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Vendor may request the United States to enter into such litigation to protect its interests.

15.9 Termination for Convenience. Notwithstanding any provision to the contrary contained in this Contract, if federal funds are used to fund the purchase represented by this Contract, the District reserves the right to terminate this Contract for convenience. In such event, the District agrees it will be responsible for all legitimate charges with respect to periods prior to the termination.

16. Miscellaneous.

16.1 Assignment/Delegation. Without the prior written consent of the other party, no party shall have right or power to assign this Contract in whole or in part, or to delegate or sub-contract any duties hereunder in whole or part. Any attempted assignment or delegation by Vendor shall be wholly void and ineffective for all purposes unless made in the conformity with this paragraph.

16.2 Governing Law and Venue. **THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND IS PERFORMABLE IN EL PASO COUNTY, TEXAS.**

16.3 No Waiver of Immunity. The District reserves, and does not waive, its rights of sovereign/governmental immunity and similar rights, immunities and rights of its officials and employees, under the Texas Tort Claims Act. Nothing herein shall be a consent to suit.

16.4 No Third-Party Beneficiaries. This Contract, and every provision thereof, shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns. No term or provision of this Contract shall benefit or obligate any person or entity not a party to it. The parties hereto shall cooperate fully in opposing any attempt by any third person or entity to claim any benefit, protection, release or other consideration under this Contract.

16.5 Context. Wherever the context shall require, the singular shall include the plural, and the male gender shall include the female gender and the neuter, and vice versa.

16.6 Attorney's Fees. In the event that either party brings an action to enforce or interpret any provision of this Contract, the prevailing party will be entitled to recover its costs and expenses including, without limitation, reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which it shall be entitled to receive, as determined by the trier of fact in such dispute.

16.7 Waiver. No waiver, change, modification or discharge by either party hereto of any provision of this Contract shall be deemed to have been made or shall be effective, unless expressed in writing and signed by the party to be charged. A waiver by either party of a breach of any of the terms, conditions, covenants or guarantees of this Contract shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either party to insist in any one or more cases upon the strict performance of any of the covenants of this Contract, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. No act or omission by a party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

16.8 Severability. Any provision, or part thereof, of this Contract held by a court of competent jurisdiction to be invalid or unenforceable shall not impair or invalidate the remainder of this Contract and the effect thereof shall be confined to the provision, or part thereof, so held to be invalid or unenforceable.

16.9 Time of Essence. Time is of the essence with respect to Vendor's obligations hereunder.

16.10 Public Records. Records relating to this Contract may be subject to disclosure pursuant to the Texas Public Information Act f/k/a Open Records Act, Section 552.001 et. seq. of the Texas Government Code. To the extent any of the Goods and/or Services under this Contract involve the exchange or creation of Public Information as defined by such Act, the Vendor shall make any such information, not otherwise exempted from disclosure under such Act, available in writing and electronically in Microsoft Word, Microsoft Excel and or Adobe Acrobat.

16.11 Notices. All notices to a party under this Contract shall be provided by certified mail, return receipt requested, to the address set forth for the respective party beneath its signature block in this Contract, or such other address as later provided by a party through written notice to the other party.

16.12 Advertising. Vendor shall not advertise or publish, without the District's prior consent, the fact that the parties have entered into this Contract, except to the extent necessary to comply with proper requests for information from a representative of the federal, state, or local government.

16.13 Right to Audit and Records Access. The District, or its authorized representative (including Texas Education Agency and the Comptroller General), shall be given reasonable access to records and rights to perform audits by the District's own personnel and/or an outside firm of consultants/auditors, in order to investigate the District's claims, the Services, and/or evaluate the performance of the Vendor. The Vendor agrees to provide full cooperation during this process. Performance of these functions shall be

conducted with proper notification per customary industry standards. Vendor agrees to maintain all required records for five (5) years after the District makes final payment and all other pending matters are closed.

16.14 Israel Certification. Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

16.15 Firearms Certification. The Vendor represents, warrants, and covenants to the District that the Vendor: (a) does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (b) will not discriminate against a firearm entity or firearm trade association during the term of this Contract. For purposes of this provision, the terms “firearm entity”, “firearm trade association” and “discriminate against a firearm entity or a firearm trade association” shall have the same meaning as set forth in Government Code Section 2274.001 et. seq.

16.16 Energy Company Certification. Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001, (a) does not boycott energy companies; and (b) will not boycott energy companies during the term of this Contract.

16.17 Entire Contract/Modification. **THIS CONTRACT IS THE FINAL, COMPLETE, AND ENTIRE CONTRACT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER AND SUPERSEDES ALL PRIOR COMMUNICATIONS, ORAL OR WRITTEN, BETWEEN THE PARTIES RELATING TO MATTERS HEREIN. THIS CONTRACT MAY BE MODIFIED OR RESCINDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY BOTH PARTIES TO THE CONTRACT BY AND THROUGH THEIR DULY AUTHORIZED AGENTS. Changes to this Contract may only be made by mutual written agreement of the parties, which must contain the authorized signature of the District's Superintendent or the President of the District's Board of Trustees.** No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this Contract shall not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. In the event of any conflict between this Contract and the General Terms and Conditions of the contract attached to the Solicitation Document, the terms of this Contract shall control.

[Signatures on next page]

EXECUTED as of the \_\_\_\_ day of \_\_\_\_\_, 2024.

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Diana I. Sayavedra, Superintendent

APPROVED AS TO FORM



By: \_\_\_\_\_  
Jeanne C. Collins, General Counsel

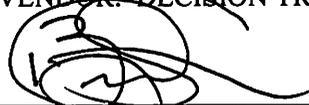
Signed: Wednesday, June 12, 2024

ADDRESS FOR NOTICE:

El Paso Independent School District  
Attn: Superintendent  
1014 N. Stanton Street  
El Paso, Texas 79902

With Copy to:  
General Counsel  
El Paso Independent School District  
1014 N. Stanton Street  
El Paso, Texas 79902

VENDOR: ~~DECISION TREE, INC.~~

By: \_\_\_\_\_  
  
Richard B. Lawson  
Vice President

(Printed Name and Title)

ADDRESS FOR NOTICE:

Decision Tree, Inc.  
306 Thunderbird Dr.  
El Paso, TX 79912

**EXHIBIT "A"**  
**Goods to Be Delivered and Pricing**

**If Delivery By Unit Pricing:**

<b>Item Description</b>	<b>Part #</b>	<b>Units Required</b>	<b>Price Per Unit</b>	<b>Total Price</b>
Identity Automation 2023 Authentication K-12 Education Qualified User – Annual Subscription	RID-C-AUTH12	7202	\$7.48	\$53,870.96
Identity Automationc 2023 2023 Workflow K-12 Education Qualified User – Annual Subscription	RID-C-WORK12	7202	\$2.73	\$19,661.46
Identity Automation 2023 Lifecycle K-12 Education Qualified User - Annual Subscription	RID-C-LIFE12	7202	\$11.97	\$86,207.94
Identity Automation 2023 Rostering K-12 Education Qualified User - Annual Subscription	RID-C-ROST12	7202	\$2.73	\$19,661.46
2024 ShieldID K-12 Education Qualified User - Annual Subscription	RID-C-SHID12	7202	\$3.81	\$27,439.62
2023 Cloud Professional K-12 - Annual Subscription	SUP-S-PROK12	1	\$5,158.56	\$5,158.56
			<b>TOTAL</b>	<b>\$212,000.00</b>

**Other Description of Goods To Be Delivered:** See Exhibit "B".

**EXHIBIT “B”  
Scope of Services and Deliverables**

**Scope of Services:**

Place(s) of Provision of Services:

District at 1014 N. Stanton St., El Paso, TX 79902

Date(s)/Period of Provision of Services:

August 1, 2024 – July 31, 2025

If District chooses to exercise its optional 1-year annual renewal: August 1, 2025 – July 31, 2026

Description of Services:

Vendor will provide District with IDAUTO Identity and Access Management (IAM) system which will provide District with comprehensive services to manage digital identities and control access to organizational resources. It will automate user provisioning, support self-service profile management, and enhance security through multi-factor authentication and role-based access control. IDAUTO integrates Single Sign-On (SSO) for seamless access across multiple systems and ensures compliance with regulatory standards through detailed audit trails and anomaly detection. By streamlining identity and access processes, IDAUTO IAM enhances security, operational efficiency, and regulatory compliance.

**Deliverables:**

<b>Report or Other Deliverable</b>	<b>Expected Delivery Date</b>
<b>Identity Automation 2023 Authentication K-12 Education Qualified User - Annual Subscription</b>	<b>August 1, 2024</b>
<b>Identity Automation 2023 2023 Workflow K-12 Education Qualified User - Annual Subscription</b>	<b>August 1, 2024</b>
<b>Identity Automation 2023 Lifecycle K-12 Education Qualified User - Annual Subscription</b>	<b>August 1, 2024</b>
<b>Identity Automation 2023 Rostering K-12 Education Qualified User - Annual Subscription</b>	<b>August 1, 2024</b>
<b>2024 ShieldID K-12 Education Qualified User -Annual Subscription</b>	<b>August 1, 2024</b>
<b>2023 Cloud Professional K-12 - Annual Subscription</b>	<b>August 1, 2024</b>

**EXHIBIT "C"**  
**Compensation**

**Compensation** [mark/complete one or more as applicable]:

N/A \$ \_\_\_\_\_ (Lump Sum/Fixed Price)

N/A Payable at completion.

N/A Quarterly Payments of \$ \_\_\_\_\_ beginning \_\_\_\_\_.

N/A Payable as follows:

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

N/A \$ \_\_\_\_\_ per \_\_\_\_\_, (with a not to exceed cap of \$ \_\_\_\_\_)

N/A \$ \_\_\_\_\_ per hour, (with not to exceed cap of \$ \_\_\_\_\_, based on rates below)  
payable monthly based upon hours and types of Goods and Services provided and documented in invoice.

X Other [please explain]: District will pay Vendor \$212,000.00 within 30 days after receipt of invoice and after satisfactory delivery and/or activation of all goods and/or services.

Optional 1-year annual renewal from August 1, 2025 to July 31, 2026 if exercised by District: total of \$212,000.00.

Expenses: [Description]: N/A \_\_\_\_\_

**Total Compensation for Goods and Services Permitted under this Contract: \$212,000.00.**

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS CONTRACT IS CONDITIONED UPON THE COMPENSATION FOR THE INITIAL TERM AND ANY RENEWAL TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, AND ANY SUBSEQUENT BUDGET THEREAFTER, FOR RENEWAL TERMS, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS CONTRACT IS VOID.**

**THIS CONTRACT IS ALSO CONTINGENT UPON ITS UNDERLYING PROCUREMENT (TECHNOLOGY, HARDWARE, SOFTWARE, SERVICES AND RELATED (SUPPLEMENTAL) – ESC REGION 19 ALLIED STATES COOPERATIVE RFP NUMBER: 24-7480) BEING VALID FOR THE CONTRACT TERM AND DISTRICT HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

**TITLE:**  
*Approval of Award Bond Counsel Services RFQ #24-027 (Administration Recommendation: Norton Rose Fulbright US LLP)*

**JUSTIFICATION STATEMENT:**  
(To select a qualified individual or organization to provide bond counsel services to the District)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Martha Aguirre and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**  
*Strategic Lever IV: Culture of Accountability - El Paso ISD cultivates a culture of transparency, care, and service.*

**SUMMARY:**  
The Request for Qualifications (RFQ) is one (1) of seven (7) approved purchasing methods allowed under Texas Education Code, Section 44.031.

Administration requested that an RFQ be processed to obtain the services of a qualified individual or organization to provide bond counsel services to the District. The El Paso Independent School District solicited responses to this Request for Qualification (RFQ) from law firms interested in providing Bond Counsel Services in connection with the El Paso ISD Bond Programs.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**  
It is recommended that the Board approve the award of Bond Counsel Services, RFQ #24-027, to Norton Rose Fulbright US LLP, for an initial one-year term, with the option to renew four (4) additional years, twelve (12) months at a time, and further authorize administration to enter into contract negotiations during the term of the award, pending review and approval of contract documents by District's Legal Counsel.

<b>FUNDING SOURCE:</b>	General and Debt Service Funds	<b>ACCOUNT NO.:</b>	199.71.6599.932.99.100.932/599.71.6599.999.99.101.736
------------------------	-----------------------------------	---------------------	---

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** N/A
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**  
If the RFQ is not awarded, then the District will not have the bond counsel services.

**IMPLEMENTATION TIMELINE:** Upon Approval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ Board Report
- ▢ Recommendation Memo
- ▢ Scoring Summary
- ▢ Executive Summary Backup Info
- ▢ Scope of Work

**Award of Bond Counsel Services RFQ #24-027**

The Request for Qualifications (RFQ) is one (1) of seven (7) approved purchasing methods allowed under Texas Education Code Section 44.031.

Administration requested that an RFQ be processed to obtain the services of a qualified individual or organization to provide bond counsel services to the District. The El Paso Independent School District solicited responses to this Request for Qualification (RFQ) from law firms interested in providing Bond Counsel Services in connection with a future El Paso ISD Bond Program.

The RFP was advertised in the *El Paso Times* newspaper for two (2) consecutive weeks and posted on the District's eBid website. Notifications were sent to seven hundred and seventy-nine (779) registered vendors through the District's eBid system. Seventeen (17) vendors viewed the specifications from the eBid system, two (2) vendors submitted a No Bid response, and six (6) vendors responded.

An evaluation committee reviewed and scored the proposals electronically through the District's eBid system from Wednesday, May 8, 2024, through June 4, 2024. The committee consisted of Ms. Martha Aguirre, Chief Financial Officer; Mr. Walter Byers, Treasurer; and Ms. Maria D. Alonso, Executive Director of Financial Services. Ms. Sandy Ramirez, Coordinator, acted as facilitator during the evaluation. Norton Rose Fulbright US LLP response ranked the highest score and was selected as the best candidate and most qualified company to provide bond counsel services to the District.

Budgeted Local and Debt Service funds will be used for these services.

**RECOMMENDATION:**

It is recommended that the Board approve award of Bond Counsel Services RFQ #24-027 to Norton Rose Fulbright US LLP, for an initial one-year term, with the option to renew four (4) additional years, twelve (12) months at a time, and further authorize administration enter into contract negotiations, during the term of the award.

Respectfully submitted,

  
Haydee Peña (Jun 12, 2024 12:08 MDT)

Haydee Peña  
Executive Director of Procurement Services

Attachments: Recommendation Memo  
Scoring Summary  
Executive Summary Backup Inform  
Scope of Work

## "Board Report" History

Document created by SANDY RAMIREZ (osramire@episd.org) 2024-06-12 - 6:06:31 PM GMT

Document emailed to Haydee Pena (hpena@episd.org) for signature 2024-06-12 - 6:07:00 PM GMT

Email viewed by Haydee Pena (hpena@episd.org) 2024-06-12 - 6:07:38 PM GMT

Document e-signed by Haydee Pena (hpena@episd.org) Signature Date: 2024-06-12 - 6:08:16 PM GMT - Time Source: server

Agreement completed. 2024-06-12 - 6:08:16 PM GMT

Created:	2024-06-12
By:	SANDY RAMIREZ (osramire@episd.org)
Status:	Signed
Transaction ID:	CBJCHBCAABAqk8DHfGhyGbwfMBZqgTC6MBAC96kxVfH

2024-06-12

## Board Report

Final Audit Report



## MEMORANDUM

**TO:** Haydee Peña  
Executive Director of Procurement & School Resources

**FROM:** Martha Aguirre, Chief Financial Officer

**DATE:** June 12, 2024

**SUBJECT: RECOMMENDATION FOR AWARD OF RFQ 24-027 FOR BOND COUNSEL SERVICES**

---

**Description of Goods and/or Services:**

The District's Bond Counsel provides legal services related to the issuance of bonds and other debt instruments. Bond Counsel insures that the District is authorized to issue proposed municipal securities, and has met all legal and procedural requirements necessary for issuance. Bond Counsel is responsible for preparation and review all bond transaction documents and resolutions, other proceedings and other documentation and certifications required for authorization and issuance of bonds, and other debt instruments.

**Recommended Vendor(s):**

Norton Rose Fulbright US LLP

**Rationale for Award:**

Norton Rose Fulbright US LLP was the top evaluated vendor for RFQ 24-027. The vendor is the most qualified to execute the needs outlined in the RFQ. El Paso ISD Lever IV: Culture of Accountability emphasizes fiscal responsibility, efficient use of resources, and transparency.

**Recommended Amount:**

NA

## EL PASO INDEPENDENT SCHOOL DISTRICT

### RFQ #24-027 for Bond Counsel Services

Supplier		The character, integrity reputation, qualifications, management skills	Experience	The Quality of Services	Comprehensiveness of scope of service	References
		40.00	25.00	20.00	10.00	5.00
Norton Rose Fulbright US LLP	97.67	39.00	24.00	19.67	10.00	5.00
McCall, Parkhurst & Horton L.L	93.67	37.67	25.00	17.33	8.67	5.00
Cantu Harden Montoya LLP	85.00	36.67	20.67	15.33	7.33	5.00
Jackson Walker	83.00	36.67	18.67	15.33	7.33	5.00
West & Associates, LLP	79.67	36.67	16.67	15.33	6.00	5.00
Holland & Knight LLP	77.33	36.67	14.33	15.33	6.00	5.00



**EXECUTIVE SUMMARY**

**AWARD OF BOND COUNSEL SERVICES RFQ #24-027**

<b>DESCRIPTION OF ITEMS / SERVICES:</b>	The El Paso Independent School District (EPISD) has identified a need to update the Bond Counsel Services Contract. The primary duty of Bond Counsel is to insure that the District is authorized to issue proposed municipal securities, and has met all legal and procedural requirements necessary for issuance.
<b>FIRST ADVERTISEMENT DATE:</b>	March 26, 2024
<b>SECOND ADVERTISEMENT DATE:</b>	April 2, 2024
<b>NOTIFICATIONS SENT:</b>	779
<b>IONWAVE POSTING DATE:</b>	March 26, 2024
<b>PRE-BID CONFERENCE:</b>	March 19, 2024, at 9:00 AM MT
<b>BID DUE DATE:</b>	April 4, 2024, at 10:00 AM MT
<b>DAYS THAT BID WAS AVAILABLE:</b>	21 days
<b>VENDOR WEBSITE VIEWS:</b>	17
<b>NUMBER OF BIDS RECEIVED:</b>	6
<b>NUMBER OF LATE BIDS REJECTED:</b>	0
<b>CONTRACT TERM:</b>	The term will be for one (1) year ("initial term") plus four (4) additional years.
<b>TOTAL AWARD AMOUNT:</b>	



**EPISD**  
EL PASO INDEPENDENT  
SCHOOL DISTRICT / AM EPISD

## **24-027 Addendum 1**

### **Bond Counsel Services**

Issue Date: 3/26/2024

Questions Deadline: 4/9/2024 02:00 PM (MT)

Response Deadline: 4/17/2024 02:00 PM (MT)

### **Contact Information**

Contact: Ms. Sandy Ramirez  
Address: Procurement & School Resources  
4900 Woodrow Bean Dr.  
El Paso 79924  
Phone: (915) 230-3107  
Fax: (915) 230-3119  
Email: [bids@episd.org](mailto:bids@episd.org)

## Event Information

Number: 24-027 Addendum 1  
Title: Bond Counsel Services  
Type: Request for Qualifications  
Issue Date: 3/26/2024  
Question Deadline: 4/9/2024 02:00 PM (MT)  
Response Deadline: 4/17/2024 02:00 PM (MT)  
Notes: The El Paso Independent School District (EPISD) has identified a need to update the Bond Counsel Services Contract. The primary duty of Bond Counsel is to insure that the District is authorized to issue proposed municipal securities, and has met all legal and procedural requirements necessary for issuance.

## Ship To Information

Contact: EPISD Procurement & School Resources  
Address: 4900 Woodrow Bean Dr.  
El Paso, TX 79924  
Phone: (915) 230-3100  
Email: purchasing@episd.org

## Billing Information

Contact: Accounts Payable  
Address: PO Box 20100  
El Paso, TX 79998  
Phone: (915) 230-2136  
Email: accountspayable@episd.org

## Bid Activities

### Pre-Bid Conference

4/4/2024 10:00:00 AM (MT)

Meeting ID: 211 896 565 529  
Passcode: 6x2vyK

-  
-  
[https://teams.microsoft.com/join/19%3ameeting\\_YTVIOWZkMzYtYTA4YS00YzUyLTg3ODktNmViM2FmNWRIMDU5%40thread.v2/0?context=%7b%22Tid%22%3a%224f6ba234-52ba-4d92-9aef-9d5524562684%22%2c%22Oid%22%3a%22341ce414-f44e-4865-b989-09876f907d2c%22%7d](https://teams.microsoft.com/join/19%3ameeting_YTVIOWZkMzYtYTA4YS00YzUyLTg3ODktNmViM2FmNWRIMDU5%40thread.v2/0?context=%7b%22Tid%22%3a%224f6ba234-52ba-4d92-9aef-9d5524562684%22%2c%22Oid%22%3a%22341ce414-f44e-4865-b989-09876f907d2c%22%7d)

## Bid Attachments

### 2018 w9 Form.pdf

Please complete W9

[View Online](#)

### REQUIRED\_FORMS 3.24.22.pdf

REQUIRED FORMS

[View Online](#)

## Requested Attachments

### CIP Form 1295

Upload only the completed "CIP Form 1295" documents here. All sections of the form must be completed and signed.

### Statement of Qualification

*(Attachment required)*

Upload State of Qualifications & Examples

## Deviations

(If Applicable) Upload only the completed "Deviations Form" document here.

## Required Forms

(Attachment required)

Upload only the completed "Required Forms" documents here. Notarize forms where applicable.

## Certificate of Insurance

Please attach a copy of your certificate of insurance with the limits identified within the bid documentation.

## IRS W-9 Form

(Attachment required)

Upload the completed IRS W-9 form here.

## Proposed Service Contract

(Attachment required)

Please upload a copy of your proposed service contract under the Response Attachment Tab.

## Bid Attributes

<b>1</b>	<b>Introduction</b> <p>The El Paso Independent School District (EPISD) is an accredited K-12 school system serving El Paso, Texas. EPISD as one of the largest school Districts in Texas and the largest school district in El Paso County. EPISD is a District of Innovation, comprised of an ethnically, culturally, and linguistically diverse community.</p> <p>For more detailed information on the District, please refer to the following links:</p> <ul style="list-style-type: none"><li>• <a href="#">EPISD District Snapshot</a></li><li>• <a href="#">Texas Education Agency (TEA) 2020-21 Texas Academic Performance Reports</a></li></ul>
<b>2</b>	<b>Scope of Work</b> <p>The El Paso Independent School District (EPISD) has identified a need to update the Bond Counsel Services Contract. The primary duty of Bond Counsel is to insure that the District is authorized to issue proposed municipal securities, and has met all legal and procedural requirements necessary for issuance.</p>
<b>3</b>	<b>Vendor Requirements</b> <p>1.0 The El Paso Independent School District (the "District") or (El Paso ISD) solicits responses to this Request for Qualification ("RFQ") from law firms interested in providing Bond Counsel Services in connection with a future El Paso ISD Bond Program. The district the Board of Trustees to select Awardee(s) of this RFQ by June 30, 2024 and it is estimated that related work may be undertaken from and after that date through June 30, 2029.</p> <p>1.1 Based on consideration of the responses to this RFQ, the District's Board of Trustee may either: (1) select one or more firms with which to contract for all bond matters; or (2) pre-qualify firms eligible to be selected for a contract for specific bond issues, on a transaction-by-transaction basis. The time and number of contracts resulting from this RFQ, and all procedures relating to such contracts are within the discretion of the Board. The District has determined that this solicitation does not provide subcontracting opportunities for Bond Counsel Services.</p> <p>Proposer acknowledges and understands that this document provides a general description of the services to be performed and is not intended to be all-inclusive. In performing the services of Bond Counsel, the firm represents that it is familiar with the responsibilities and obligations that are required to effectively deliver these services, and agrees to perform all necessary and required work to deliver Bond Counsel Services consistent with industry best practices and in accordance with all licensing, regulations, and professional standards.</p> <p>1.2 The selected Firm(s) will be expected to provide legal advice, represent the El Paso Independent School District in legal matters, and prepare legal documents in relations to the issuance of debt as authorized by the State of Texas and in accordance applicable Federal laws. Qualification Statements and Proposals from qualified firms must describe in detail the methodology, strategies, and timelines to perform the Professional Services for Bond Counsel.</p>

1.3 The selected Firm(s) will be expected to prepare all necessary legal documents in connection with the authorization, issuance, sale and delivery of bonds, certificates, notes and other debt instruments, including notices of intent to issue, agenda notices, ordinances and resolutions authorizing issuance, bid documents, closing certificates, paying agent/registrars agreements, escrow agreements, trust indentures, and other documentation as required by the district, the rating agencies and the insurance providers. Preparing all resolutions, agreements, contracts, and other documents to which El Paso ISD is a party and which will be necessary in connection with the issuance of the bonds.

1.4 Bond Counsel selected is expected to interpret statutes and constitutional provisions necessary in issuing bonds and securing legislative authority.

1.5 Bond Counsel selected is expected to assign those attorneys and professionals employed by the firm who are best suited to appropriately respond to such requests in connection with the issuance of bonds and with ongoing compliance of any/all trust indentures and other documents and agreements integral to the issuance of such bonds. The firm will provide any such services as Bond Counsel, which includes preparation of all official statements in connection with bond issues being sold into the public market.

1.6 Bond Counsel selected will work and consult with El Paso ISD's Board, Superintendent, General Counsel and Financial teams. The firm will also be responsible for duties which include, but are not limited to, providing opinions and advice related to debt structuring, program documentation, the sale and closing of securities and tax issues including disclosure and arbitrage regulation compliance, consulting with Administration and the Board of Trustees, drafting and circulating required issuance documents for approval, coordinating the closing of the issues and assisting in compliance with any continuing disclosure requirements.

1.7 Bond Counsel selected will provide advice and assistance on a continuing basis, as needed, on the legal requirements concerning tax issues, securities, and responsibilities of the District with respect to its debt issuances, including representations regarding whether Bond Counsel, to its knowledge, is aware of any facts or omissions of facts that would make the District's disclosure untrue or misleading.

1.8 Bond Counsel selected will assist the District's legal and financial staff and the District's Chief Financial Officer or financial advisor in preparation of official statements, including, but not limited to preparing and/or reviewing preliminary official statements, and other documents necessary or appropriate to the authorization, issuance, sale or delivery of securities.

1.9 District will rely on Bond Counsel selected to rendering an opinion that the District's bonds are binding obligations of the District and are validly issued under Texas law and that the interest on the bonds is excludable from gross income tax under federal law.

1.10 Bond Counsel selected will request and obtain approval of bond issues from the Texas Attorney General and any other required authorities.

1.11 Bond Counsel selected will assist in the preparation of a no-arbitrage certificate for the District in connection with its debt issuances and any other required IRS filings.

1.12 Bond Counsel selected will provide advice generally on compliance with securities laws.

1.13 Bond Counsel selected will provide any other legal services, advice or opinions as requested related to the District's financial reporting and financing program.

1.14 Bond Counsel selected will prepare and/or review preliminary official statements, and other disclosure documents necessary or appropriate to the authorization, issuance, sale or delivery of municipal securities.

1.15 Bond Counsel selected will prepare and review all bond transaction documents and resolutions, other proceedings and other documentation and certifications required for authorization and issuance of bonds.

1.16 Bond Counsel selected will provide training for District staff and the Board of Trustees with respect to disclosure rules, regulations and responsibilities.

1.17 Bond Counsel selected will review bond proofs and supervise the execution and delivery of the bonds or other debt instruments.

1.18 Bond Counsel selected will provide legal advice concerning the restrictions on the expenditure of District bond funds. Keep El Paso ISD abreast of federal and state law and federal tax developments which might be applicable to the District's financing program or tax-exempt status of District's proposed and outstanding bonds. This may include assistance in the development of alternative financing programs for potential capital projects, evaluating state and federal legislation for the District, and other tasks as required.

1.19 Bond Counsel selected will assist in making presentations and required submissions and obtaining approval of any entity with oversight authority for the issuance of bonds by El Paso ISD.

1.20 Bond Counsel selected will attend meetings of the Board to the extent required or requested. Participate with presentations to the District, bond insurers, credit providers, and rating agencies.

1.21 Bond Counsel selected will attend all document sessions and attend the bond sale, signing, closing and all other meetings and conferences deemed necessary by the District.

1.22 Bond Counsel selected will represent El Paso ISD in the preparation of any bond purchase contracts and insuring that all participants, including underwriters and investment banking firms, whether retained by or contracting with El Paso ISD, disclose all conflicts of interest to and with El Paso ISD and any other parties involved in the bonds.

1.23 Bond Counsel selected will assist in the preparation of specified sections of the Preliminary Official Statement and the Final Official Statement, with the understanding that Bond Counsel will not be expected to independently verify other data contained in the Official Statement and that the Official Statement may so state.

1.24 Bond Counsel selected will prepare certain certificates and review such other documents as are customary and necessary in order to structure and issue bonds.

1.25 Bond Counsel selected will provide advice and counsel on continuing compliance with securities, tax, and other applicable law.

1.26 Bond Counsel selected will provide assistance on legislative matters affecting El Paso ISD.

1.27 Bond Counsel selected will assist General Counsel in preparation of election documentation necessary for inclusion of bond-related ballot language and notice posting.

1.28 Bond Counsel selected will perform all other matters necessary or incidental to the issuance of the bonds.

Vendor Agrees and Will Comply

*(Required: Check if applicable)*

#### **4 Mandatory Minimum Qualifications**

a. Must be licensed to practice law in the State of Texas and eligible to appear before all state and federal courts and administrative offices of the State of Texas for a period of not less than five (5) years preceding appointment.

b. Must have a minimum of five (5) years of experience representing school boards in connection with the preparation, approval and issuance of school board bonds and/or notes.

c. El Paso ISD desires to appoint an attorney or the firm who will be the primary legal representative of the District in all matters relating to the issuance of bonds. Applicant should demonstrate knowledge of municipal bond and finance law. Any experience or knowledge of matters that directly affect the District's Board of Trustees should be addressed. Various issues arise during the normal course of business involving the need for professional services on matters that will require guidance and advice from the aforesaid professional. Because such services, at times, represent emergencies, the solicitor will be expected to return a phone call to the District's Superintendent, Chief Financial Officer, or the District's General Counsel, on the same day. The selected firm(s) will also be expected to be available to provide advice to the District during non-business hours including the attendance at Board meetings when requested

Vendor Agrees and Will Comply

*(Required: Check if applicable)*

**5 Proposed Service Contract**  
Upload a copy of your proposed service contract under the Response Attachments Tab.  
 Proposed Service Contract uploaded  
*(Required: Check if applicable)*

**6 Identify Potential Service Providers**  
Potential service providers must have experience in issuing bonds in accordance with items listed in the Scope of Services.  
 Vendor Agrees and Will Comply  
*(Required: Check if applicable)*

**7 Estimating Contract Award Value for the Fiscal Year**  
Bond Counsel fees associated with a bond issuance are included in the cost of issuance expense for an individual bond sale. If agreed upon Bond Counsel may bill for services requested by the District, which are outside of the Scope of Services. An example of this would be services provided under a Lease Purchase Agreement  
 Vendor Agrees and Will Comply  
*(Required: Check if applicable)*

**8 Alignment with EPISD Strategic Blueprint**  
Lever 4 Culture of Accountability: El Paso ISD cultivates a culture of transparency, care, and service.  
 Vendor Agrees and Will Comply  
*(Required: Check if applicable)*

**9 Name of Company Contact**  
Please list the name of the contact person that EPISD may call regarding this bid. The contact person will serve as the liaison between EPISD and your company. This should be the person that will answer questions regarding the bid submittal and questions pertaining to purchases and purchase orders.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 1000 characters allowed)*

**10 Company Contact Email Address**  
Please list the email address of the company contact person that EPISD would be emailing in regards to this bid, and to whom questions pertaining to purchases and purchase orders should be addressed.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 1000 characters allowed)*

**11 Service Contract Point of Contact (if applicable)**  
Please provide the Point of Contact information for the company representative authorized to sign Service Contract Agreements.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Optional: Maximum 50 characters allowed)*

<b>1</b> <b>2</b>	<b>Principal Place of Business</b> Please indicate Proposer's Principal Place of Business (State)  <hr/> <hr/> <hr/> <i>(Required: Maximum 1000 characters allowed)</i>
----------------------	---

<b>1</b> <b>3</b>	<b>Electronic Submittal</b> As permitted by law, Section 44.0313 of the Education Code, the District conducts non-construction solicitation transactions by electronic means (E-Bid System) to the extent possible. The E-Bid System is web based and the process requires vendor registration in order to use the system and provide an electronic response to this solicitation. The instructions for electronic filing can be accessed <a href="#">HERE</a> . If you need assistance with registering or accessing the information you may contact the Procurement Services Department at (915) 230-3100 for assistance.  Vendors are responsible to ensure that their proposal has been properly submitted. Failure to comply with the requirements of this solicitation, including specific form of the submission required, may be grounds for disqualification of the proposal as "non-responsive." All proposals shall be submitted through the E-Bid System or, in hard copy by hand delivery, mail or overnight carrier; the District will not accept proposals via facsimile or email.  <input type="checkbox"/> Read and Understood <i>(Required: Check if applicable)</i>
----------------------	--

<b>1</b> <b>4</b>	<b>Hard-Copy Pickup and Submission</b> If your firm does not have the means to submit a response electronically, the District will accept hard copy responses; however, the Vendor must register on the Electronic System in order to receive communications during the process. If Vendor has no access to a computer system, Vendor may contact the Procurement Services Office at (915) 230-3100 for assistance in registering or obtaining responses from the system. Prospective Vendors may obtain a hard copy of the solicitation from the District's Purchasing Office, located at 4900 Woodrow Bean Dr., El Paso, Texas 79924, between the hours of 9:00 a.m. and 4:00 p.m. Please contact Procurement & School Resources at (915) 230-3100, in advance of your visit to assure that the hours have not changed and someone will be available to assist you.  Hard copy responses must be submitted prior to the stated submission deadline. Responses shall be mailed or hand delivered to the District's Procurement & School Resources department, located at 4900 Woodrow Bean Dr., El Paso, Texas 79924, in a sealed envelope or package clearly marked with the Vendor's name, return address, the solicitation name and number, and the opening date and time. Hard copy responses may be modified, provided such modifications are sealed and received at the District's Procurement & School Resources prior to the stated solicitation submission deadline.  <b>Any proposal or modification received after the solicitation submission deadline shall not be accepted or considered.</b>
----------------------	---

<b>1</b> <b>5</b>	<b>EDGAR Certification Form</b> For all purchases made using federal funds, the District is required to comply with the federal regulations related to the purchasing of goods and services [2 CFR 200.317-200.326] effective July 1, 2018. When the District seeks to procure goods and services using funds under a federal grant or contract, specific federal laws, regulations, and requirements may apply to the procurement, in addition to those under state law. This solicitation includes the procurement standards of the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards, 2 CFR 200 (sometimes referred to as the "Uniform Guidance" or new "EDGAR"). The District requires all Vendors must complete and execute the EDGAR Certification Form attached hereto as Attachment "EDGAR Certifications" certifying Vendor's willingness and ability to comply with EDGAR requirements, as the source of funding may not be known at the time of this solicitation  <input type="checkbox"/> Please Select <input type="checkbox"/> EDGAR certification form is attached <input type="checkbox"/> Cannot Comply <i>(Required: Check only one)</i>
----------------------	--

**1**  
**6** **References**

Provide information regarding three (3) school district clients, other than El Paso ISD, to whom you have provided similar goods or services to the ones requested in this solicitation or with whom you have worked on projects of similar size and scope to the one for which services are requested in this solicitation. For each, provide names, addresses, telephone numbers, and email address of contact persons that may be of reference and that may be contacted regarding the quality of your service and your qualifications.

---



---



---



---



---

*(Required: Maximum 4000 characters allowed)*

**1**  
**7** **Questions and Requests for Clarification**

If a Vendor is in doubt as to the meaning of any part of this solicitation, questions or requests for clarification may be submitted electronically via the District's E-Bid system. Verbal questions and explanations are not permitted. Interpretations, clarifications, and answers to questions shall be made only by written response issued to all Vendors via E-Bid message, or by other form of delivery if prior arrangements are made.

**1**  
**8** **Restriction on Communication**

Vendors and their respective employees, agents, subcontractors, and representatives shall restrict their contact with the District and direct all questions regarding this solicitation, including questions regarding the proposed contract, to the procurement & school services department. Vendors and their respective employees, agents, subcontractors, and representatives, are specifically prohibited from directly or indirectly discussing, communicating, lobbying for, or promoting its proposal to any member of the District's Board of Trustees, any member of the District's administrative staff, any member of an employee association affiliated with or representing any District employee or group of employees, any member of a District committee having responsibility for evaluation of responses or any consultant or professional retained or used by the District in connection with this solicitation. This restriction extends to "thank you" letters, phone calls, emails and any contact that results in the direct or indirect discussion of the solicitation and/or proposal submitted by the Vendor. This policy is intended to create a level playing field for all Vendors and ensure the integrity of the solicitation process. Any violation of this provision may result in disqualification of the Vendor's response from consideration.

Please Select    I comply    I do not comply

*(Required: Check only one)*

**1**  
**9** **Interlocal Cooperation Agreement**

The District is permitted, under the provisions of Texas Government Code Chapter 791 and Texas Education Code Section 44.031(a)(4), to allow other local government entities ("LGEs") to utilize the pricing proposed by the successful Vendor to purchase the same goods or services; a process sometimes referred to as "piggy-backing", to satisfy the LGE's own procurement requirements and streamline the purchasing process. The District intends, upon request of another LGE, to extend the final pricing terms offered by the Vendor to that that LGE as permitted by statute. By extending the solicited pricing to another LGE, the District is acting solely for the purpose of streamlining the procurement process for the LGE and its compliance with Texas competitive bidding requirements. The District assumes no other responsibility for the transaction, the Vendor or the purchasing compliance of the LGE. The District shall not be responsible for any costs, damages, etc. incurred by either the Vendor or the LGE related to any purchase, failure to purchase by the other LGE or disputes between the parties. The Vendor must deal directly with the purchasing LGE concerning the placement of orders, issuance of purchase orders, insurance certificates, contractual requirements, disputes, if any, invoicing and payment or any other terms and conditions that the purchasing LGE may require. The actual utilization of the terms of this procurement by the purchasing LGE is at the sole discretion of the purchasing LGE.

Please Select    Read and Agreed    Read and Do Not Agree

*(Required: Check only one)*

**20 Contract Agreement Terms**

Vendor(s), if awarded as a result of this solicitation, may be required to complete and sign the El Paso Independent School District Vendor Agreement (if applicable). At this time, the EPISD only needs to know that you are agree with the terms provided in the agreement provided in the "Attachments" tab. Vendors do not need to complete the contract until an award has been made. If you **do not** comply with the District's Vendor Agreement; please state so in the Deviations section included in this solicitation.

Please Select  I comply  I do not comply

*(Required: Check only one)*

**21 Rejection of Responses/Waiving of Formalities**

The District retains the right to reject any and all responses and to waive any and all formalities. In evaluating responses, the District is not required to select the response based solely on the lowest pricing, and will consider the criteria set out in Tex. Education Code, Section 44.031(b) and any other factors specifically set out in this solicitation.

Read and Understood

*(Required: Check if applicable)*

**22 Evaluation Criteria**

The District reserves the right to award a the Vendor offering the best value, and not necessarily to the Vendor proposing the lowest price, and reserves the right to accept or reject any or all Proposals, and waive any formalities. It is not the policy of the District to purchase on the basis of lowest price proposals alone. In evaluating proposals submitted, the District will consider the criteria set out in Texas Education Code, Section 44.031(b) including the following:

- **(40 Points)** The character, integrity reputation, qualifications, management skills and professional judgment of the team proposed to provide the services solicited.
- **(25 Points)** Experience of the Vendor and staff proposed, with providing services of the type solicited to public schools or other governmental entities.
- **(20 Points)** Quality of services provided on past projects for clients, including public schools, other governmental entities or private entities.
- **(10 Points)** Comprehensiveness of scope of service.
- **(05 Points)** References

**23 Disclosure of Interested Parties (Form 1295)**

Texas Government Code, Section 2252.908 requires the disclosure of interested parties by a vendor, using the form and procedure established by the Texas Ethics Commission, at the same time it submits the signed contract, if the contract award requires action or a vote by the Board of Trustees or the value of the contract awarded as a result of the solicitation is at least one million dollars (\$1,000,000.00). The form requires disclosure of any "interested party" to the contract of which the contracting Vendor is aware, and execution by an authorized agent of the contracting Vendor. A copy of Form 1295 and further information about the process required is attached hereto as an attachment in the District's Required Forms. Vendor agrees that upon contract award and notification by the District of the applicability of this requirement, it will timely comply with the filing requirements set forth by the Commission and required by Section 2252.908 of the Texas Government Code.

The Certificate of Interested Parties (Form 1295) must be filled out electronically through the Texas Ethics Commission's online filing application, printed out, signed, and submitted within ten (10) days of award notification to EPISD.

**24 Exemption from CIP Form 1295**

Effective January 1, 2018, the State of Texas established an exemption to file the Form 1295. This form is not required if your company is a publicly traded business entity, including a wholly owned subsidiary of the business entity. Please select which applies to your company. Please note if your company is exempt from filing Form 1295, and provide your ticker/stock symbol for verification in the next attribute.

Please Select  Company is a Publicly Traded Business Entity

Company is not a Publicly Traded Business Entity

*(Required: Check only one)*

**25 Ticker/Stock Symbol**

Please provide your company ticker/stock symbol.

---



---



---

*(Required: Maximum 50 characters allowed)*

**26 Deviations/Exceptions to Contract Terms and Conditions**

Complete and submit any deviations/exceptions to the general terms and conditions of the contract attached to the solicitation in the "Attachments" tab and include an explanation for the requested change(s) with your response. Your response should be submitted on the form attached as Attachment Deviations/Exceptions to Pricing Conditions, Terms and Conditions and Contracts. Attach additional sheets as necessary. By execution of its proposal, Vendor agrees to the general terms and conditions of the contract and the form of contract set out in the "Attachments" tab as General Terms and Conditions of the Contract, respectively, to the extent they apply to the provision of Goods or Services (or both) in connection with this solicitation.

**NOTE:** Failure to provide comments or requested changes will indicate your acceptance of the required contract provisions and no further negotiations of the provisions will be permitted. The final contract shall be subject to review and approval by the District's Legal Counsel.

---



---



---



---



---

*(Required: Maximum 4000 characters allowed)*

**27 Criminal History Record Information (CHRI)**

Texas Education Code Chapter 22 requires entities that contract with school districts to obtain CHRI on covered employees. Covered employees with disqualifying criminal histories are prohibited from serving at a school district. Vendor will be required to certify to the District that it has complied and will be required to obtain similar information from its employees, subcontractors of every tier and independent contractors, to the extent they are, or employ, covered employees. "Covered employees" are defined as all employees of a vendor, or its subcontractors of any tier, and individuals who are independent contractors, who have or will have continuing duties related to the service to be performed at the District and have, or will have, direct contact with students. The District will be the final arbiter of what constitutes continuing duties and direct contact with students. A "disqualifying criminal history" includes existence of one of the following offenses in the CHRI Report, if at the time of the offense, the victim was under 18 or enrolled in a public school: (a) a felony offense under Title 5, Texas Penal Code; (b) an offense for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedure; or (c) an equivalent offense to (a) or (b) under federal law or the laws of another state. A copy of the form of criminal background certification is attached hereto in the "Attachments" tab. Vendor shall certify its agreement that prior to commencement of performance under the awarded contract, it will timely obtain CHRI on covered employees, at its sole expense, by initialing the certification in the vendor questionnaire.

**28 Criminal Background Acknowledgement and Certification**

Vendor agrees that prior to commencement of performance under the awarded contract, it will timely obtain CHRI on covered employees, at its sole expense, and provide the certifications set out in the Criminal Background Certification form included in the "Attachments" tab.

**Please Note:** Criminal background certification is not required to be executed as part of your Proposal – only agreement to comply is required.

If vendor agrees, please initial.

---

---

---

*(Required: Maximum 1000 characters allowed)*

**29 Fingerprinting for Contractors and Subcontractors (as of Sept 2021)**

The criminal background check requirements for contractors and subcontractors who work at public schools were amended in June 2021. A contractor that provides services to a school district must be fingerprinted before beginning work if the contractor:

- 1. will have continuing duties related to the contracted services, and
- 2. will have the opportunity for direct contact with students.

The requirement does not apply to a contractor that performs construction, alteration, or repair of an instructional facility if the contractor uses separate sanitary facilities, installs a barrier fence, and has a policy that employees may not interact with students or enter areas used by students.

School districts lost access to the criminal history records of individuals who were previously fingerprinted by contractors. If our school district needs to review the criminal history of these individuals, we will need to fingerprint the individuals again.

Who is classified as a contractor that needs to be fingerprinted?

An individual who:

- 1. Is employed or offered employment by a service contractor or a subcontractor of a service contractor, is an individual independent contractor of the school entity, or is an individual subcontractor of a service contractor;
- 2. Has or will have continuing duties related to the contracted services
- 3. Has or will have direct contact with students; and
- 4. Is not a student of the school entity for which the services are performed.

\*If this requirement does not apply, please explain and attach in the attachment section of this solicitation.

<https://www.episd.org/Page/12751>

- Please Select     Requirement Applies-Contractor fingerprints needed  
 Requirement Does Not Apply     Other - please explain

*(Required: Check only one)*

**30 Solicitation Term**

The term will be for one (1) year ("initial term") plus four (4) additional years. Renewal terms will be contingent upon satisfactory delivery of goods and/or services. Each renewal term shall be at the same contract price/discount established for the initial term unless otherwise approved by EPISD. All intent to terminate notifications for this agreement must be delivered via certified mail to 4900 Woodrow Bean Dr., El Paso TX 79924, Attn: Procurement & School Resources.

**3**  
**1 Insurance**

Vendor represents that it is able to provide the insurance coverage set out in the attachment "Insurance Limits" of this solicitation, and will provide evidence of such coverage to the District at the time a contract for goods and/or services is executed. Please initial below if vendor complies.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 1000 characters allowed)*

**3**  
**2 Cone of Silence**

"Cone of Silence" shall mean a prohibition on any communication regarding any request for information (RFI), request for qualification (RFQ), request for proposal (RFP), bid, or other competitive solicitation between:

1. Any person who seeks an award from the District or its affiliated entities including a potential vendor or vendor's representative; and
2. Any Board member, Superintendent, senior staff member, principal, department head, director, manager, or other District employee who has influence in the evaluation or selection process.

The cone of silence shall begin upon the development of the scope of work through the issuance of an RFI, RFP, bid, or other competitive solicitation as defined in state law and shall officially end upon execution of an award by the Board and/or the execution of a negotiated contract, whichever represents the final act in the procurement process.

Regardless of the above time period, it shall not be acceptable for potential vendors to participate in discussions that determine the scope of work, strategic direction, technical specifications, or evaluation criteria of such projects.

The Cone of Silence shall apply to the acquisition of goods or services using the procurement methods identified in state law as well as renewal periods for contracts previously awarded by the Board of Trustees with renewal options.

Campaign contributions, gifts, donations, and any other items of value shall be prohibited between the parties defined above for any known contract under consideration during the cone of silence period.

The cone of silence shall not apply to communication with the District's Legal Services and Procurement Services staff. Such communications shall be limited to the purpose of obtaining clarification or information concerning the subject of solicitation or conducting contract negotiations.

Nothing contained in District policy shall prohibit any potential vendor or vendor's representative from:

1. Making public representations at scheduled pre-bid conferences or scheduled selection and negotiation committee meetings;
2. Engaging in contract negotiations during any scheduled meeting;
3. Making a public presentation to the Board during any duly noticed public meeting; or
4. Conducting business on contracts previously executed and currently in force.

You may view District Policy CHE (LOCAL) by clicking [HERE](#).

Vendor agrees and will comply with Cone of Silence  
*(Required: Check if applicable)*

**3**  
**3 Solicitation Acceptance**

Please indicate that you have read, understand, agree to, and accept the general terms and conditions, vendor requirements, and specifications contained herein. If you do not agree please provide any deviations in the deviations section of this solicitation.

- Please Select     Read: understand, agree to, and accept  
 Read: do not agree, deviations provided

*(Required: Check only one)*

**3**  
**4** **Code of Federal Regulations (CFR) § 200.321**

Federal regulations state that, "The non-Federal entity must take all necessary affirmative steps to assure that small and minority businesses, women's business enterprises, and labor surplus area firms are used when possible."

Please select the type of Firm

- Small
- Minority
- Woman's Business Enterprise
- Labor Surplus Firm
- None of the Above

*(Required: Check all that apply)*

**3**  
**5** **Financial Capacity/Stability**

Provide a current financial statement for your company (or individually if you are a sole proprietor) and end-of-year financial statements for the past two (2) years. It is preferred that such statements be audited, however if audited financials are not available please submit statements prepared by a third-party preparer.

- Attached in "Response Attachments" Tab
- Not Attached

*(Required: Check all that apply)*

**3**  
**6** **Firearms Certification**

Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants and covenants to the District that the Vendor:

1. does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and
2. will not discriminate against a firearm entity or firearm trade association during the term of this Contract.

For purposes of this provision, the terms "firearm entity", "firearm trade association" and "discriminate against a firearm entity or a firearm trade association" shall have the same meaning as set forth in Government Code Section 2274.001 et. seq. Vendor means a for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

- Please Select    Vendor Complies with Certification    Vendor cannot comply

*(Required: Check only one)*

**3**  
**7** **Energy Company Certification**

Pursuant to Texas Government Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001:

1. does not boycott energy companies; and
2. will not boycott energy companies during the term of this Contract

- Please Select    Vendor Complies with Certification    Vendor Does Not Comply with Certification

*(Required: Check only one)*

**3  
8** Israel Certification

Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

Please Select  Vendor Complies with Certification  Vendor Does Not Comply with Certification

*(Required: Check only one)*

**3  
9** Addition of Goods/Services

During the Term of a Contract awarded under this solicitation, additional goods/services not included in the original solicitation list and resulting awarded contract may become necessary and benefit El Paso ISD. Vendor and El Paso ISD agree that the aggregate value of added purchases during each year of the Contract (if renewed) shall not exceed 10% of the estimated total value of the Contract. The total value of the Contract must be agreed upon, and the dollar value listed in the Contract and each renewal term of the Contract (if any). For purposes of this section, the total value of the Contract includes all contracts awarded as a result of the procurement solicitation to all vendors. For the initial Term of a Contract awarded under this solicitation, Vendor and El Paso ISD agree that the total value of the Contract shall be as stated on the award. Additions of new products may be included in the awarded Contract list during the renewal of the Contract through an amendment to the Contract, and the total Contract value adjusted accordingly. For each renewal term of the Contract, the total actual value of the Contract in the preceding year and the additional new product(s) made during that Term will be the basis for determining the maximum dollar amount (not to exceed 10%) of the additional new product(s) that will be allowed during the next Contract renewal term. Material change means a modification that exceeds and/or alters the terms of the original contract between EPISD, and Vendor exceeding 10% of the contract value.

**4  
0** Price Proposal Requirement

Vendors are required to submit prices in the designated line item section of the solicitation. Vendors may provide additional documentation in the attachment section of this solicitation.

**Please Note: Pricing must be provided by Vendor in accordance with the terms (unit of measure, quantity, etc.) provided in the solicitation. Failure to do so on the part of the Vendor may be reason for the District to deem the response non-responsive and eliminate the Vendor's response from consideration.**

Please Select  Vendor Understands and Has Complied  Vendor Cannot Comply

*(Required: Check only one)*

**Bid Protest Procedures**

The protest shall be submitted in writing during the bid process, when the aggrieved vendor knows or should have known of the factors giving rise to a protest, or within 5 business days after bid due date.

A written formal protest must contain a minimum of the following:

- The bid number and title of bid.
- A specific identification of the statutory or regulatory provision(s) that the purchasing staff member or department is alleged to have violated.
- A specific description of each act alleged to have violated the statutory or regulatory provision(s) identified above.
- A statement of the relevant facts that include timelines and involved parties.
- An identification of the issue or issues that need to be resolved that support the protest.
- Protest should be emailed to the Buyer/Assistant Director responsible for the bid, with subject line stating: Dispute/Protestand Bid/CSP/RFP name and number.

The Executive Director of Procurement and School Resources Department shall:

- Contact the involved department and inform them of the vendor protest.
- Gather information and prepare documentation for the Chief Financial Officer, outlining the solicitation, evaluation and award of the bid/proposal.
- Inform the involved department on the progress and/or outcome of the vendor protest.

If the protest is not resolved by mutual agreement, the Procurement and School Resources Department shall promptly issue a decision in writing. The decision shall consist of the following:

- The reasons for the action taken will be determined and sent to the aggrieved vendor.
- A copy of the decision shall be immediately forwarded to the vendor and any other party intervening.
- All decisions will be based on “best value” for the District.
- A decision shall be final and conclusive.
- All vendor protest documentation shall be filed with Procurement and School Resources in the respective bid file.

## Supplier Information

---

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

## Supplier Notes

---

---

---

---

---

---

---

---

---

---

---

By submitting your response, you certify that you are authorized to represent and bind your company.

\_\_\_\_\_  
*Print Name*

\_\_\_\_\_  
*Signature*



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Expenditures to Purchase Professional Learning Software and Schoology Learning Management System (LMS) from PowerSchool Group LLC, Utilizing The Interlocal Purchasing System (TIPS) Contract #210101, Technology Solutions, Products and Services (Budgeted Local Funds - \$255,554.45)*

**JUSTIFICATION STATEMENT:**

(To continue providing a professional development and a learning management system for the District's students and teachers to broaden educational technology)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Manny Verduzco and/or Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The Interlocal Cooperative Agreement is one (1) of seven (7) approved purchasing methods allowed under the Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000.00.

The Information Security and Technology Department requests the Purchase of Professional Learning Software from PowerSchool Group LLC, to broaden technology solutions that focus on professional development for teachers and staff to facilitate a more straightforward management of developmental activities to provide anytime, anywhere accessibility for learners. This software enables the District to offer self-paced training that automatically tracks progress and allows staff career growth to ensure they are equipped with the skills needed to deliver high-quality education.

The Information Security and Technology Department also requests the purchase of Schoology Learning Management System (LMS) Software from PowerSchool Group LLC, to enable educators to create, manage, and share academic content, facilitating online learning and classroom management. Schoology offers features such as assignment distribution, grading, performance tracking, and collaboration tools, making it useful for both in-person and virtual classrooms. It aims to enhance communication among students, teachers, and parents, supporting a more integrated and interactive educational environment.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the expenditures for the purchase of Professional Learning Software and Schoology Learning Management System (LMS) Software, from PowerSchool Group LLC, utilizing The Interlocal Purchasing System (TIPS) Contract #210101, Technology Solutions, Products and Services, in the amount of \$255,554.45, with the option to renew one additional year, as presented, subject in part to approval of the 2024-2025 proposed fiscal year budget and future year budgets, and subject to finalization of contract documents by the District's Legal Counsel.

**FUNDING SOURCE:** Budgeted Local Funds **ACCOUNT NO.:** 199.53.6XXX.911.99.XXX.911

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$255,554.45

- **FUTURE/ONGOING:**N/A

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

The District will not have a professional learning platform or a management system for students and teachers to help enhance learning.

**IMPLEMENTATION TIMELINE:** Upon approval

**COMMENTS RECEIVED, IF ANY:**

N/A

**ATTACHMENTS:**

Description

- ▣ TIPS Contract
- ▣ Vendor Contract



www.powerschool.com



## PowerSchool Group LLC

**EMAIL PO & VENDOR QUOTE TO: TIPSPO@TIPS-USA.COM PO AND QUOTE MUST REFERENCE VENDOR'S TIPS CONTRACT NUMBER ATTACH PO AS A PDF - ONLY ONE PO (WITH QUOTE) PER ATTACHMENT**

	<u>PAYMENT TO</u>	<u>TIPS CONTACT</u>
ADDRESS	150 Parkshore Drive	NAME Charlie Martin
CITY	Folsom	PHONE (866) 839-8477
STATE	CA	FAX (866) 839-8472
ZIP	95630	EMAIL tips@tips-usa.com

DISADVANTAGED/MINORITY/WOMAN BUSINESS ENTERPRISE: N      HUB: N

### **SERVING STATES**

AL | AK | AZ | AR | CA | CO | CT | DE | DC | FL | GA | HI | ID | IL | IN | IA | KS | KY | LA | ME | MD | MA | MI | MN | MS | MO | MT | NE | NV | NH | NJ | NM | NY | NC | ND | OH | OK | OR | PA | RI | SC | SD | TN | TX | UT | VT | VA | WA | WI | WY | PR

### **Overview**

*<p>PowerSchool is the #1 U.S. leading provider of K-12 education technology solutions reaching 75% of students in North America. Established in 1997, our commitment of providing educators the best tools to help students succeed has fueled our passion to unite educational technology into one, easy-to-use solution. PowerSchool has approximately 2,600 employees and backing from leading investment firms aligned to PowerSchool’s long-term vision and success. PowerSchool has been recognized as one of Inc. 5000’s 2020 and 2019 Fastest Growing Private Companies in America. The company has also been recognized with several other product and corporate awards in K-12, including CODiE, EdTech Breakthrough, and a Gold Stevie Award to name a few. PowerSchool has a full suite of K-12 education technology solutions, from the front office to the classroom to the home. PowerSchool helps schools and districts efficiently manage instruction, learning, grading, attendance, assessment, hiring, teacher evaluations, analytics, state reporting, special education, student information systems, talent, finance, and HR. During our long history of innovation, we have made significant investments in the development of our solutions to eliminate traditional technology silos. The results have streamlined administrative processes and informed classroom instruction with comprehensive data. At PowerSchool, our mission is to power the education ecosystem with unified technology that helps educators and students realize their potential, in their way. What this means for our schools and districts is a strong partnership with a passionate, growing company dedicated to your goals, objectives, and success.</p>*

## AWARDED CONTRACTS "View EDGAR Doc" on Website

Contract	Comodity	Exp Date	EDGAR
210101	Technology Solutions, Products and Services	05/31/2026	See EDGAR Certification Doc.

## CONTACTS BY CONTRACTS

### 210101

Jennifer Attrill	Director Bids and	(916) 207-1974	pssrfp@powerschool.com
Accounts Receivables	Accounts	(916) 288-1725	ar@powerschool.com

**VENDOR CONTRACT**  
**(Goods and Services)**

THIS VENDOR CONTRACT FOR GOODS AND SERVICES ("this Contract") is between POWERSCHOOL GROUP LLC (the "Vendor") and the EL PASO INDEPENDENT SCHOOL DISTRICT ("District"). The Effective Date of this Contract is July 1, 2024 regardless of when executed. For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

1. **Term.**

1.1 **Term.** The term of this Contract shall be for a period from July 1, 2024 through June 30, 2025, [with 1 year(s) annual renewal(s)] unless earlier terminated in accordance with this Contract. Annual renewals, if any, shall be at the sole discretion of the District.

1.2 **Non-Appropriation.** In the event the Contract is awarded for a term greater than one year or extending beyond the District's current budget period, it will be subject to approval at the commencement of each of the District's budget years. Vendor agrees that the District has the continuing right to terminate this Contract without notice at the end of a District budget period in which funds for this Contract are not appropriated. In such event the Contract may be terminated as soon as practicable after the event of non-appropriation or upon 30-days' prior written notice whichever provides the longest notice.

2. **Cancellation/Termination.**

2.1 **Termination.** This Contract may be terminated as follows: (a) by either party in the event of material breach of this Contract by the other party which continues more than thirty (30) days after written notice of default from the non-breaching party to the breaching party; or (b) by the District at its option: (i) if Vendor fails, as determined by the District's representative, to satisfactorily perform the duties set out in this Contract, comply with any covenant herein required or breach any warranty provided herein; becomes insolvent, files or has filed against it a petition in bankruptcy, proposes or accomplishes any dissolution, liquidation, composition, financial reorganization or recapitalization with creditors; (ii) if a receiver, trustee, custodian, or similar agent is appointed or takes possession of any property or business of Vendor; (iii) if, at the expiration of each District budget period occurring during the term of this Contract, funds for this Contract are not appropriated as provided in Section 1.2 above; or (iv) with or without cause upon thirty days prior written notice from the District to Vendor. In the event of early termination of the Contract for any reason, the total compensation which may be claimed by Vendor under this Contract shall be limited [subject to other limitations in this Contract or applicable law] to the payment for the conforming Goods and/or Services timely provided by the date of termination.

2.2 **Effect.** Within forty-five (45) calendar days of the effective date of completion, or termination or expiration of this Contract, Vendor shall submit to District its claims, in detail, for the monies owed by District for Services satisfactorily performed or Goods delivered and accepted under this Contract through the effective date of termination. **Failure by Vendor to submit its claims within forty-five (45) calendar days shall negate any liability on the part of District and constitute a waiver by Vendor of any and all right or claims to collect monies that Vendor may rightfully be otherwise entitled to for Services satisfactorily performed or Goods delivered under this Contract.** Regardless of how this Contract is terminated, Vendor shall effect an orderly transfer to District or to such person(s) or firm(s) as the District may designate, at no additional cost to District. Upon the effective date of expiration or termination of this Contract, Vendor shall cease all operations of Services being performed or delivery of Goods by Vendor, or any of its subcontractors, pursuant to this Contract. All completed or partially completed documents, papers, records, charts, reports, and any other materials or information produced, or provided to Vendor, in connection with the Services rendered by Vendor under this Contract, regardless of storage medium, shall be transferred to District. Such record transfer shall be completed within thirty (30) calendar days of the termination date and shall be completed at Vendor's sole cost and expense. Payment of compensation due or to become due to Vendor is conditioned upon delivery of all such documents.

3. **Right to Assurance.** Whenever the District in good faith has reason to question the Vendor's intent to perform, the District may demand that the Vendor give written assurance of its intent to perform. In the

event that a demand is made and no assurance is given within five business (5) days, the District may treat this failure as an anticipatory repudiation of the Contract.

4. **Remedies.** In the event of default of this Contract by Vendor, the District shall have all of, and may exercise one or more of, the following rights and remedies: (a) the right to recover damages; (b) the right to seek injunctive relief; (c) the right to seek declaratory relief; (d) the right to off-set and/or retain from payments otherwise due to Vendor damages, fees, and costs sustained or incurred by the District in connection with such breach; (e) the right to terminate this Contract as provided herein; and (f) any of its rights and remedies in law or equity. In no event shall District's action of terminating this Contract, whether for cause or otherwise, be deemed an election of District's remedies, nor shall such termination limit, in any way, at law or at equity, District's right to seek damages from or otherwise pursue Vendor for any default hereunder or other action.

5. **Force Majeure.** If by reason of Force Majeure (i.e. acts of God, strikes, lockouts, or other industrial disturbances, etc.), either party hereto shall be rendered unable, wholly or in part, to carry out its obligations under this Contract, then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

6. **Goods and Services to Be Delivered.**

6.1 Delivery, Packaging and Acceptance of Goods.

A. Vendor agrees to provide the Goods listed and described in Exhibit "A," which is attached hereto and incorporated herein by reference for all purposes [or any subsequent Goods required to be delivered to the District under this Contract] (collectively, the "Goods"). Unless otherwise stated in Exhibit "A", the Goods shall be delivered in accordance with the following Standard Delivery Terms:

(i) F.O.B. District's James Gamble Facility, 4900 Woodrow Bean Drive, El Paso, Texas 79924.

(ii) Goods will be packed in accordance with good commercial practice and in a manner which will facilitate securing the lowest transportation costs, conform to requirements of common carriers and any applicable specifications. Each shipping container shall be clearly and permanently packed and identified with: (a) Vendor's name and address; (b) if applicable, consignee's name, address and purchase order and bid number; (c) container number and total number of containers, e.g. box 1 of 4 boxes; and (d) the number of the container bearing the packing slip. Vendor shall bear cost of packaging unless otherwise provided. The District's count or weight determination shall be final and conclusive on shipments not accompanied by packing slips/lists. The Goods will be delivered with an Operator's Manual and a Maintenance and Parts Manual, if one exists.

(iii) The District assumes no liability for Goods delivered in damaged or in unacceptable condition. The Vendor shall handle all claims with insurance carriers, and in the event that Goods are damaged in transit shall ship replacement Goods immediately upon notification by the District of damage. Delivery will be made between the hours of 8:00 a.m. and 3:30 p.m. (MDT/MST) unless otherwise specified by the District in writing. Vendor is not authorized to ship the Goods under reservation and no tender of a Bill of Lading will operate as a tender of Goods. The District shall have the right to inspect the Goods at delivery before accepting them and no Goods will be accepted until written acceptance is provided by authorized District Representative. Any written warranties will commence upon acceptance of the Goods by the District.

(iv) Repair and Replacement Information. As the situation requires, the Vendor shall provide alternative quotes for both repair and replacement of any damaged Goods, if appropriate to the request. In the event the cost of repair is equal to or greater than seventy-five percent (75%) of the price of a new item, Vendor shall provide a written recommendation to

the District representative regarding the relative merits of repair or replacement of the item. Failure to adhere to these requirements may be grounds for the termination of the Contract.

## 6.2 Delivery of Services and Standard of Care.

A. Delivery. Vendor agrees to provide the Services listed and described in Exhibit "B," which is attached hereto and incorporated herein by reference for all purposes (collectively, the "Services"). Nothing contained in this Contract shall require District to pay for any unsatisfactory Services, as determined by District's representative, or for work that does not comply with the terms of this Contract.

B. Standard of Care. If the Services are performed by a non-professional Vendor, Vendor represents, covenants, and warrants that it will devote its good faith, best efforts in provision of the Services and will provide the Services with reasonable care and skill and in a good and workmanlike manner. If the Services are considered Professional Services, the Vendor further represents, covenants and warrants that it will provide the Services using the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same locale. Services will be provided in a manner consistent with industry standards and will conform to the required specifications set out herein, and shall be delivered in compliance with all applicable laws, rules, regulations, procedures and consistent with industry standards.

## 6.3 Warranties for Goods and Services.

A. Express Warranties. Vendor expressly represents, warrants and covenants, that:

(i) Vendor will devote its good faith, best efforts in provision of the Goods and/or Services.

(ii) Vendor has and will retain sufficient financial condition, working capital, experience, expertise, personnel, licenses, certifications, and authority to provide the Goods and/or Services, that it will provide copies of its licenses and certifications to the District upon request, and will comply with the vendor ethics policies of the District.

(iii) The Goods furnished conform with the specifications, drawings, descriptions and that the Services promised will adequately address the Scope of Services set forth in the Contract and its exhibits, the District's Request for Proposal, Request for Competitive Sealed Proposal or other solicitation for the Goods and/or Services contracted for herein (the "Solicitation Document"), and to any sample(s) furnished by Vendor, if any, in connection with the Contract or in response to the District's Request for Proposal.

(iv) The Goods and/or Services shall be delivered in compliance with all applicable laws, rules, and regulations, with District policies and procedures, and consistent with industry standards.

(v) In the event of a conflict between the specifications, drawings and descriptions of Goods to be provided, the specifications shall govern. In the event of a conflict between the Solicitation Document and the Contract, the Contract shall prevail.

(vi) All Goods are new and the quality of the Goods is consistent with or better than industry standard.

B. Implied Warranties.

(i) The Goods comply with all implied warranties, including but not limited to, the implied warranty of merchantability and fitness for the particular purpose for which they were obtained. The Vendor agrees to provide the Services agreed to herein in a good and workmanlike manner.

(ii) No implied warranties for Goods and/or Services or provided in connection with this Contract are waived modified or excluded by any provision of this Contract, or any terms and conditions included in any document prepared by the Vendor, and any provision so intended, or interpreted shall be treated as void *ab initio*.

C. **Safety Warranty and Provision of Material Safety Data Sheets.** As applicable, the Goods supplied to the District under this Contract shall conform to applicable standards promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act ("OSHA") of 1970. In the event the Goods do not conform to OSHA standards, the District will be permitted to refuse or return the non-conforming Goods for correction or replacement at the Vendor's expense. Where Goods to be delivered under this Contract require the maintenance of Material Safety Data Sheets ("MSDS"), a copy of the relevant MSDS will be made available to the District's representative prior to delivery of the relevant Goods.

6.4 **No Warranties by District.** No review, consent, or approval by the District of any documents prepared by Vendor shall constitute a representation or warranty by the District of the legality, suitability, or quality of the same or content thereof.

6.5 **Reservation of Rights.** The District reserves the right to use its own staff or any other third-party to provide the same or similar goods and/or services to the Goods and/or Services described herein.

7. **Tax Exemption.** The District is exempt from Federal Excise, State or City Sales Tax under State Law and such obligations are included in the price under this Contract. The District will furnish a tax exemption certificate, if required.

8. **Invoicing and Payment.** Compensation to Vendor is set forth on Exhibit "C," attached hereto and incorporated herein. Except as otherwise provided in Exhibit "C," Vendor shall invoice the District on or before the thirtieth (30<sup>th</sup>) day of each month, for the portions of the Goods delivered and accepted and/or Services performed during the preceding month at rates set forth on Exhibit "C." Reimbursable Expenses are included in the hourly rate or not to exceed pricing for Services unless specifically excluded. If excluded, Reimbursable Expenses will be itemized separately and documented by receipts for invoicing purposes. Invoices for Goods and/or Services shall not include Federal Excise, State or City Sales Tax for which an Independent School District is exempt under State law. The District shall furnish a tax exemption certificate, if required. The aggregate compensation from the District to Vendor for the Goods and/or Services shall not exceed the maximum figures stated in Exhibit "C." Vendor shall not be entitled to receive payments or amounts under the Contract in excess of the amounts appropriated for the then-current budget period of the District. The District shall make payment to the Vendor for amounts determined to be properly due, not later than thirty (30) days after its receipt of the Vendor's invoice or as required by the Texas Prompt Payment Act (Chapter 2251 of the Texas Government Code) or its successor. The maximum interest rate on any past due payments by the District to Vendor shall be limited to the rate provided by Section 2251.025 of the Texas Government Code or its successor. The District shall not be required to make any payments to Vendor at any time Vendor is in default under this Contract.

9. **Confidential/Proprietary Information.**

9.1 **Confidential Information/Materials.** Vendor understands that, during the term of this Contract, Vendor will have access to certain information belonging to the District and designated as confidential by the District or not generally known by non-District personnel (collectively, the "Confidential Information"). During the term of this Contract and at all times thereafter, Vendor shall not, without the prior written consent of the District, do any of the following, directly or indirectly: (a) use any of the Confidential Information for Vendor's own purposes or for the purposes of any person or entity other than the District; and/or (b) disclose any of the Confidential Information to any third party, except as reasonably and in good faith required in connection with performance of this Contract by Vendor. Vendor further shall take all steps necessary to prevent disclosure of Confidential Information by any other person or entity, during the term of this Contract and at all times thereafter, without the prior written consent of the District. All data, disks, lists, financial records, other records, documents, property, information, specifications, and materials of the District relating to the Goods and/or Services provided to Vendor during the term of this Contract, as well as all copies thereof (collectively the "Materials"), shall be and remain the sole and exclusive property of the District. None of the Materials shall be retained by Vendor, or shall be transmitted to anyone at any time, either now or in the future, except as reasonably and in good faith required in connection with

performance of this Contract by Vendor. Upon termination of this Contract, or upon request by the District, Vendor shall promptly return the Materials to the District. The Materials are included within the definition of Confidential Information. Vendor further agrees that, if it receives information or records concerning any student, it shall not disclose the same, except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA.

9.2 **Intellectual Property Rights.** If Vendor, as part of the delivery of the Goods and/or Services, will be working with the District, [all references to Vendor and District in this paragraph shall include their respective agents, employees and representatives], to create and/or develop materials or other work products, including visual, audio, written and graphic material (the “Resulting Work Product”) for which the Vendor will receive any consideration provided for in this Contract, the Resulting Work Product (including all of Vendor’s contributions to the creation or development of the Resulting Work Product), and any state or federal trademark rights, copyrights, patents or other intellectual property rights associated with the Resulting Work Product (collectively, the “Intellectual Property Rights”) will at all times remain the exclusive property of the District. Vendor agrees to assist the District in any way necessary, including executing any assignments or other documents, required to document the District’s ownership rights in the Resulting Work Product and the associated Intellectual Property Rights, as applicable; including taking any action necessary for the District to secure state or federal registration of its Intellectual Property Rights in the name of the District. No separate or additional consideration, other than the consideration paid under this Contract, will be provided by the District for any provision of any assignments or conveyance of the Resulting Work Product, or of Intellectual Property Rights associated with the Resulting Work Product. The Vendor shall assure that its authorized subcontractors or agents, not under its control as employees, are aware of this provision and are contractually bound thereby.

10. **Vendor Records and Retention.** The District or its authorized representative shall be afforded unrestricted access to and be permitted to inspect and copy all of the Vendor’s records, which shall include but not be limited to accounting records (hard copy as well as computer readable data), correspondence, instructions, drawings, receipts, vouchers, memoranda and similar data relating to this Contract. The Vendor shall preserve all such records for a period of five (5) years, after the District makes final payment and all other pending matters are closed, or for such longer period as may be required by law, after final payment under this Contract, including any extension thereof. To the extent that the requirements of 2 CFR § 200.333 apply to the Contract, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award, must be retained for the Vendor for only the period required by 2 CFR § 200.333 and the five (5) year requirement of this provision shall apply to all other documents. If no federal funds are expended by the District for the Contract, the five (5) year retention requirement provided herein will apply.

For a Contract involving at least \$1 million in Goods/Services, the following provision shall apply: Vendor shall preserve for the duration of this Contract all “contracting information” within the meaning of Texas Government Code Section 552.003(7) et. seq. relating to this Contract (the “Contracting Information”) as provided by the records retention requirements applicable to the District. Vendor shall provide to the District, upon its request, any Contracting Information that is in the custody or possession of Vendor. Upon completion of this Contract, Vendor shall either provide at no cost to the District all Contracting Information in the custody or possession of Vendor or instead preserve all Contracting Information as provided by the records retention requirements applicable to the District. Pursuant to Texas Government Code Section 552.372(b), the following notice is given to Vendor: The requirements of Subchapter J, Chapter 552, Government Code, may apply to this Contract, and Vendor agrees that the Contract can be terminated if Vendor knowingly or intentionally fails to comply with a requirement of that Subchapter.

11. **Indemnification.**

11.1 **General Indemnification.** Vendor agrees to INDEMNIFY, DEFEND, AND HOLD HARMLESS the District and its trustees, officers, agents, representatives and employees (collectively, the “Indemnified Parties”) from and against, any and all claims, causes of action, liability, lawsuits, judgments, costs, liens, losses, expenses, fees (including reasonable attorney’s fees and costs of defense), proceedings, actions, demands, and suits of any kind and nature, including but not limited to, personal injury (including death), property damage, or other harm for which recovery

of damages is sought that may arise out of or be caused by the negligent or intentional act, error, or omission of Vendor, or that of its agent, officer, representative, employee, or sub-consultant (collectively "Vendor Affiliate") while in the exercise or performance of the rights or obligations under this Contract. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of the Indemnified Parties, in instances where such negligence causes personal injury, death, or property damage. In the event Vendor and/or a Vendor Affiliate and any Indemnified Party are found jointly liable by a Court of competent jurisdiction, liability shall be apportioned comparatively in accordance with the laws of the State of Texas, without, however, waiving any governmental immunity available to the District, its employees/officials under Texas law and without waiving any defenses of District its employees/officials under the Texas Tort Claims Act or other Texas law. Vendor shall promptly advise District, in writing, of any claim or demand against an Indemnified Party, Vendor and/or a Vendor Affiliate known to Vendor, related to or arising out of activities of Vendor and/or a Vendor Affiliate under this Contract. The provisions of this Section are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

**11.2 Intellectual Property Rights Indemnification.** Vendor shall INDEMNIFY, DEFEND, AND HOLD HARMLESS the District, its elected officials, employees, officers, and representatives harmless from and against any and all liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) for infringement of any patent, copyright or similar property right including, but not limited to, misappropriation of trade secrets and any infringement by Vendor and its employees and consultants, in connection with any license provided, any deliverable or any Service furnished hereunder, and used by either the District or Vendor within the scope of this Contract (unless said infringement results directly from Vendor's compliance with District's written standards or specifications).

**11.3 Defense Counsel.** In connection with any indemnification obligation in this Section 11, District, in its sole discretion shall have the right to approve or select defense counsel to be retained by Vendor in fulfilling its indemnity obligation hereunder, unless such right is expressly waived by District in writing. District reserves the right to provide a portion, or all of its own defense, at its own expense; however, District is under no obligation to do so. Any such action by District is not to be construed a waiver of Vendor's obligation to defend District or a waiver of Vendor's obligation to indemnify District pursuant to this Section. Vendor shall retain District-approved defense counsel within seven (7) business days of District's written notice that District is invoking its right to indemnification under this Contract. If Vendor fails to retain counsel within such time period, District shall have the right to retain defense counsel on its own behalf, and Vendor shall be responsible for all costs incurred by District until such time as the Vendor provides a defense.

**11.4 Indemnity Survival.** The provisions of this Section 11 are solely for the benefit of the parties hereto, and not intended to create or grant any rights, contractual or otherwise, to any other person or entity and the obligations herein shall survive the termination or expiration of this Contract.

## **12. Work On School District Campuses.**

**12.1 Notice Before Entry During School Hours and Decorum on District Campuses.** Vendor acknowledges that work may be performed in connection with an educational facility that is currently occupied and in use. It is imperative that Vendor's deliveries and/or performance of Services not interfere with, interrupt, disturb, or disrupt District's normal operations or facilities. During school hours, when entry is not made on an emergency basis, Vendor shall notify the District in advance and arrange an escort for Vendor's representative.

**12.2 Compliance with Campus Rules.** Vendor agrees to and shall comply with all rules, regulations and requirements of the District and the school campus on which work is to be performed, and shall take all steps necessary to protect and guard the safety of the employees, students and invitees of District. Vendor recognizes the ongoing school activities in proximity with its onsite activities shall result in the need for prompt and effective coordination of its Services with those involved in the ongoing use of the premises. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Vendor shall be responsible for the actions of its employees and its subcontractors. The

Vendor recognizes the site is a public-school campus, and will prohibit the possession or use of alcohol, controlled substances, tobacco, and any prohibited weapons on the site and shall require adequate dress of the Vendor's forces consistent with the nature of the work being performed.

13. **Criminal Background Checks.** Vendor shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, District Board Policy CH (Legal) and (Local), and other policies and administrative requirements relating to or arising from such statute and rule(s); shall ensure that no covered employee of Vendor or of any subcontractor [if authorized] with a disqualifying criminal history performs Services under the award at or for the District; and shall timely provide written certifications thereunder in such form and substance as requested by the District. Vendor understands that any failure to comply with the requirements of this Section may be grounds for termination of its Contract with the District.

14. **Relationship.** **This Contract does not constitute a joint venture or partnership of any kind between the parties hereto. In addition, the parties expressly understand and agree the provision of Goods and/or Services is and shall be considered independent contractor work performed by Vendor, using Vendor's own talents, contacts, tools, vehicles, and equipment, and that nothing in this Contract in any way creates an express or implied contract of employment between the District and Vendor. Vendor is not and shall not be an employee of the District for any purpose. Vendor is exclusively responsible for all administrative matters relating to its status hereunder or the Goods and/or Services, including without limitation, travel, lodging, and other expenses, any withholding and payment of all federal, state and local income taxes, FICA, FUTA, or other employment-related taxes, workers' compensation insurance, fringe benefit programs, or other benefits of any kind. Vendor represents that it is an independent contractor providing goods and/or services for hire similar to the Goods and/or Services to the general public, that it has full authority and capacity to enter into this Contract and provide the Goods and/or Services, and that execution or performance of this Contract by Vendor shall not violate any other agreement or covenant or any law.**

15. **Federal Edgar Provisions.** Vendor acknowledges in the event federal funds are used to fund the Goods and/or Services delivered under the Contract, Vendor will abide by all applicable federal laws, rules, and regulations, executive orders, and policies, procedures and directives applicable to the Contract, including but not limited to the following:

15.1 **Contractual Remedies.** Vendor agrees that it will comply with all administrative, contractual, legal remedies, sanctions, and penalties for violation or breach that are included in this Contract.

15.2 **Wage and Hour Requirements.** To the extent this Contract involves the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), which requires Vendor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. This provision will not apply to the District's purchases from Vendor of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

15.3 **Clean Air Act and EPA.** Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 -7671q) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387) and agrees to promptly notify the District of any violation.

15.4 **Debarment and Suspension.** Vendor has certified that neither the Vendor nor its principals were listed on the government-wide exclusions in the System for Award Management ("SAM") that neither the Vendor nor its principals are debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549 at the time this Contract was executed. Vendor further agrees on behalf of itself and its principals, to immediately provide written notification to the District if, at any time following execution of this Contract, Vendor or one of its principals learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances, or if Vendor or one of its principals is later listed on the government-wide exclusions in

SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Failure to notify the District of erroneous information within five (5) business days of change in circumstances shall be grounds for immediate termination, but termination of Vendor shall not be an election of remedy by the District.

15.5 Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352. Vendor confirms its certification to the District that:

A. No Federal appropriated funds have been paid or will be paid, by or on behalf of Vendor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

B. Vendor further certifies that if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Vendor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Vendor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., providing administrative remedies for false statements, apply to this certification and disclosure, and that this certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Finally, Vendor agrees that it will require the language of this certification be included in the award documents for all lower-tier contractors it hires, and that it will ensure all subcontractors make the same certification in connection with work done under the Contract. The certification in this Section is a material representation of fact upon which the District has placed its reliance.

15.6 Compliance with Mandatory Provisions of State Energy Conservation Plan. Vendor shall comply with the all mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201), if any.

15.7 Compliance with Solid Waste Disposal Act. If the District purchased the same item or items from the Vendor under this Contract, which were purchased by the District during the preceding fiscal year, and the prior purchase exceeded \$10,000, Vendor agrees that it will comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, where applicable, and that it will provide information and certifications required by the District confirming estimates and otherwise evidencing such compliance.

15.8 Equal Employment Opportunity Clause. Vendor represents, warrants and certifies that, during the performance of the Contract:

A. it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination;

B. it will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin;

C. it will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with Vendor's legal duty to furnish information;

D. it will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

E. it will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor;

F. it will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders;

G. in the event of Vendor's non-compliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations, or orders, the Contract may be canceled, terminated or suspended in whole or in part and the Vendor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law; and

H. it will include the provisions of paragraphs (A) through (G) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. Vendor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event Vendor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Vendor may request the United States to enter into such litigation to protect its interests.

15.9 Termination for Convenience. Notwithstanding any provision to the contrary contained in this Contract, if federal funds are used to fund the purchase represented by this Contract, the District reserves the right to terminate this Contract for convenience. In such event, the District agrees it will be responsible for all legitimate charges with respect to periods prior to the termination.

16. Miscellaneous.

16.1 Assignment/Delegation. Without the prior written consent of the other party, no party shall have right or power to assign this Contract in whole or in part, or to delegate or sub-contract any duties hereunder in whole or part. Any attempted assignment or delegation by Vendor shall be wholly void and ineffective for all purposes unless made in the conformity with this paragraph.

16.2 Governing Law and Venue. **THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND IS PERFORMABLE IN EL PASO COUNTY, TEXAS.**

16.3 No Waiver of Immunity. The District reserves, and does not waive, its rights of sovereign/governmental immunity and similar rights, immunities and rights of its officials and employees, under the Texas Tort Claims Act. Nothing herein shall be a consent to suit.

16.4 No Third-Party Beneficiaries. This Contract, and every provision thereof, shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns. No term or provision of this Contract shall benefit or obligate any person or entity not a party to it. The parties hereto shall cooperate fully in opposing any attempt by any third person or entity to claim any benefit, protection, release or other consideration under this Contract.

16.5 Context. Wherever the context shall require, the singular shall include the plural, and the male gender shall include the female gender and the neuter, and vice versa.

16.6 Attorney's Fees. In the event that either party brings an action to enforce or interpret any provision of this Contract, the prevailing party will be entitled to recover its costs and expenses including, without limitation, reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which it shall be entitled to receive, as determined by the trier of fact in such dispute.

16.7 Waiver. No waiver, change, modification or discharge by either party hereto of any provision of this Contract shall be deemed to have been made or shall be effective, unless expressed in writing and signed by the party to be charged. A waiver by either party of a breach of any of the terms, conditions, covenants or guarantees of this Contract shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either party to insist in any one or more cases upon the strict performance of any of the covenants of this Contract, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. No act or omission by a party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

16.8 Severability. Any provision, or part thereof, of this Contract held by a court of competent jurisdiction to be invalid or unenforceable shall not impair or invalidate the remainder of this Contract and the effect thereof shall be confined to the provision, or part thereof, so held to be invalid or unenforceable.

16.9 Time of Essence. Time is of the essence with respect to Vendor's obligations hereunder.

16.10 Public Records. Records relating to this Contract may be subject to disclosure pursuant to the Texas Public Information Act f/k/a Open Records Act, Section 552.001 et. seq. of the Texas Government Code. To the extent any of the Goods and/or Services under this Contract involve the exchange or creation of Public Information as defined by such Act, the Vendor shall make any such information, not otherwise exempted from disclosure under such Act, available in writing and electronically in Microsoft Word, Microsoft Excel and or Adobe Acrobat.

16.11 Notices. All notices to a party under this Contract shall be provided by certified mail, return receipt requested, to the address set forth for the respective party beneath its signature block in this Contract, or such other address as later provided by a party through written notice to the other party.

16.12 Advertising. Vendor shall not advertise or publish, without the District's prior consent, the fact that the parties have entered into this Contract, except to the extent necessary to comply with proper requests for information from a representative of the federal, state, or local government.

16.13 Right to Audit and Records Access. The District, or its authorized representative (including Texas Education Agency and the Comptroller General), shall be given reasonable access to records and rights to perform audits by the District's own personnel and/or an outside firm of consultants/auditors, in order to investigate the District's claims, the Services, and/or evaluate the performance of the Vendor. The Vendor agrees to provide full cooperation during this process. Performance of these functions shall be

conducted with proper notification per customary industry standards. Vendor agrees to maintain all required records for five (5) years after the District makes final payment and all other pending matters are closed.

16.14 Israel Certification. Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

16.15 Firearms Certification. The Vendor represents, warrants, and covenants to the District that the Vendor: (a) does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (b) will not discriminate against a firearm entity or firearm trade association during the term of this Contract. For purposes of this provision, the terms “firearm entity”, “firearm trade association” and “discriminate against a firearm entity or a firearm trade association” shall have the same meaning as set forth in Government Code Section 2274.001 et. seq.

16.16 Energy Company Certification. Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001, (a) does not boycott energy companies; and (b) will not boycott energy companies during the term of this Contract.

16.17 Entire Contract/Modification. **THIS CONTRACT IS THE FINAL, COMPLETE, AND ENTIRE CONTRACT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER AND SUPERSEDES ALL PRIOR COMMUNICATIONS, ORAL OR WRITTEN, BETWEEN THE PARTIES RELATING TO MATTERS HEREIN. THIS CONTRACT MAY BE MODIFIED OR RESCINDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY BOTH PARTIES TO THE CONTRACT BY AND THROUGH THEIR DULY AUTHORIZED AGENTS. Changes to this Contract may only be made by mutual written agreement of the parties, which must contain the authorized signature of the District's Superintendent or the President of the District's Board of Trustees.** No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this Contract shall not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. In the event of any conflict between this Contract and the General Terms and Conditions of the contract attached to the Solicitation Document, the terms of this Contract shall control.

[Signatures on next page]

EXECUTED as of the \_\_\_\_ day of \_\_\_\_\_, 2024.

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Diana I. Sayavedra, Superintendent

APPROVED AS TO FORM  


By: \_\_\_\_\_  
Jeanne C. Collins, General Counsel

**Signed: Thursday, June 13, 2024**

ADDRESS FOR NOTICE:

El Paso Independent School District  
Attn: Superintendent  
1014 N. Stanton Street  
El Paso, Texas 79902

With Copy to:  
General Counsel  
El Paso Independent School District  
1014 N. Stanton Street  
El Paso, Texas 79902

VENDOR: POWERSCHOOL GROUP LLC

By: \_\_\_\_\_  
Craig Stull, Sales/Representative

(Printed Name and Title)

ADDRESS FOR NOTICE

150 Parkshore Dr.  
Folsom CA 95630

**EXHIBIT "A"**  
**Goods to Be Delivered and Pricing**

**If Delivery By Unit Pricing:**

<b>Item Description</b>	<b>Unit</b>	<b>Units Required</b>	<b>Price Per Unit</b>	<b>Total Price</b>
<b>Schoology LMS Subscription (August 1, 2024-June 30, 2025)</b>				
Schoology LMS Subscription	Per Student	50,769	\$3.50	\$177,691.50
<b>Professional Development Management (July1, 2024 - June 30, 2025)</b>				
Professional Learning	Per Student	54,220	\$1.235	\$66,961.70
Professional Learning LMS Integration	Each	1	\$0.00	\$0.00
Professional Learning Annual Service	Per Year	1	\$10,901.25	\$10,901.25
			<b>TOTAL</b>	<b>\$255,554.45</b>

**Other Description of Goods To Be Delivered: N/A**

**EXHIBIT “B”**  
**Scope of Services and Deliverables**

**Scope of Services:**

Place(s) of Provision of Services:

District at 1014 N. Stanton St., El Paso, TX 79902

Date(s)/Period of Provision of Services:

July 1, 2024 – June 30, 2025

Optional 1-year annual renewal if exercised by District: July 1, 2025 – June 30, 2026

Description of Services:

Vendor will provide District with, including but not limited to, the following:

**Schoology LMS Subscription (August 1, 2024-June 30, 2025):**

- **Schoology LMS Subscription:**

Schoology LMS Subscription is a comprehensive Learning Management System designed to facilitate a seamless educational experience. Ideal for K-12 institutions, higher education, and professional training environments, Schoology offers a user-friendly interface that integrates coursework, assessments, and interactive tools into one platform. With features like gradebook synchronization, personalized learning paths, and robust communication tools, Schoology ensures that educators can deliver tailored content effectively, while students stay engaged and organized. This subscription service includes continuous updates, dedicated support, and access to a vast library of resources to enhance teaching and learning.

**Professional Development Management (July 1, 2024 -June 30, 2025):**

- **Professional Learning:**

Professional Learning services provide educators and administrators with the skills and knowledge necessary to maximize their potential and enhance student outcomes. Our professional learning offerings include workshops, webinars, and on-site training sessions led by experienced educators and industry experts. Participants will gain insights into the latest educational strategies, technology integration, classroom management, and subject-specific methodologies. This comprehensive approach ensures that educators are well-equipped to meet the diverse needs of their students and stay current with educational trends and best practices.

- **Professional Learning LMS Integration:**

Professional Learning LMS Integration is designed to seamlessly incorporate professional development programs into your existing Learning Management System. This integration enables educators to access training materials, track progress, and engage in collaborative learning directly within their familiar LMS environment. Features include customized course creation, progress tracking, interactive content, and automated certification upon completion. By streamlining professional development through your LMS, you ensure that your staff can efficiently and effectively improve their skills and knowledge without disrupting their daily routines.

- **Professional Learning Annual Service:**

Professional Learning Annual Service provides a year-long commitment to enhancing the professional growth of your educational staff. This service includes ongoing access to a variety of professional development resources, personalized coaching sessions, and continuous support tailored to the unique needs of your institution. Participants will benefit from regular updates on the latest educational trends, strategies for effective teaching, and opportunities for collaborative learning with peers. The annual service ensures that your staff remains engaged and motivated, leading to improved instructional practices and better student outcomes throughout the academic year.

**Deliverables:**

<b>Report or Other Deliverable</b>	<b>Expected Delivery Date</b>
Schoology LMS Subscription	August 1, 2024
Professional Learning	July 1, 2024
Professional Learning LMS Integration	July 1, 2024
Professional Learning Annual Service	July 1, 2024
<b>If optional 1-year annual renewal is exercised by District:</b>	
Schoology LMS Subscription (2025-2026)	July 1, 2025
Professional Learning (2025-2026)	July 1, 2025
Professional Learning LMS Integration (2025-2026)	July 1, 2025
Professional Learning Annual Service (2025-2026)	July 1, 2025

**EXHIBIT "C"**  
**Compensation**

**Compensation** [mark/complete one or more as applicable]:

N/A \$ \_\_\_\_\_ (Lump Sum/Fixed Price)

N/A Payable at completion.

N/A Quarterly Payments of \$ \_\_\_\_\_ beginning \_\_\_\_\_.

N/A Payable as follows:

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

\$ \_\_\_\_\_ on \_\_\_\_\_

N/A \$ \_\_\_\_\_ per \_\_\_\_\_, (with a not to exceed cap of \$ \_\_\_\_\_)

N/A \$ \_\_\_\_\_ per hour, (with not to exceed cap of \$ \_\_\_\_\_, based on rates below)  
payable monthly based upon hours and types of Goods and Services provided and documented in invoice.

X Other [please explain]: District will pay \$177,691.50 for Schoology LMS Subscription within 30 days after receipt of invoice and after satisfactory delivery of all goods and/or services. District will also pay \$77,862.95 for Professional Development Management within 30 days after receipt of invoice and after satisfactory delivery of all goods and/or services.

Optional year 1 from July 1, 2025 to June 30, 2026 if exercised by District: total of \$255,554.45.

**Expenses:** [Description]: N/A

**Total Compensation for Goods and Services Permitted under this Contract:** \$255,554.45.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS CONTRACT IS CONDITIONED UPON THE COMPENSATION FOR THE INITIAL TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS CONTRACT IS VOID.**

**ADDITIONALLY, FOR THE TERM OF THIS CONTRACT, THIS CONTRACT IS CONTINGENT UPON ITS UNDERLYING PROCUREMENT (TIPS CONTRACT 210101) BEING VALID FOR THE ENTIRE CONTRACT AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**



**Board of Trustees**

**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of Vendor Contract for Software and Services between Frontline Technologies Group, LLC, d/b/a Frontline Education and El Paso Independent School District in the amount of \$109,202.57; First Amendment and Extension to Frontline Technologies Group, LLC, d/b/a Frontline Education and El Paso Independent School District Vendor Contract (Software and Services - Instructional Materials Management Subscription) in the amount of \$4,937.00; First Amendment and Extension to Frontline Technologies Group, LLC, d/b/a Frontline Education and El Paso Independent School District Vendor Contract (Software and Services - Frontline Data & Analytics, powered by Forecast5) in the amount of \$4,990.49; Eighth Amendment to Software License and Support Services Agreement, in the amount of \$821,375.78; Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC) Contract #24-7490 (Budgeted Local Funds - \$940,505.84)*

**JUSTIFICATION STATEMENT:**

(To continue the annual maintenance and support for Frontline TEAMS student and business systems, Forecast5 Data Analytics, and Instructional Materials Management Subscription)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Manuel Verduzco and/or Haydee Pena

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The Interlocal Cooperative Agreement is one (1) of seven (7) approved purchasing methods allowed by Texas Education Code, Section 44.031. Board Policy CH (Local) states "The Board delegates to the Superintendent the authority to make single, budgeted purchases of goods and services that cost up to \$100,000."

The Board of Trustees initially approved the purchase of TEAMS software system utilizing Interlocal Cooperative Agreement with ESC Region 19 ASC on October 23, 2007. TEAMS Enterprise Resource Planning (ERP) system includes finance and payroll management, procurement, warehouse services, and reporting. TEAMS Student Information System (SIS) includes scheduling, attendance, grades, discipline, as well as student and parent portals.

Administration also requests to renew software licenses, support and maintenance of Forecast5 Data Analytics and Instructional Materials Management Subscription. Forecast5 is a multi-year quantitative analysis and projection software that is used to assist the District in developing budgets and financial projections. Instructional Materials Management Subscription is used to manage textbook inventory.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the Vendor Contract for Software and Services between Frontline Technologies Group, LLC, d/b/a Frontline Education and El Paso Independent School District in the amount of \$109,202.57; First Amendment and Extension to Frontline Technologies Group, LLC, d/b/a Frontline Education and El Paso Independent School District Vendor Contract (Software and Services - Instructional Materials Management Subscription) in the amount of \$4,937.00; First Amendment and Extension to Frontline Technologies Group, LLC, d/b/a Frontline Education and El Paso Independent School District Vendor Contract (Software and Services - Frontline Data & Analytics, powered by Forecast5) in the amount of \$4,990.49; Eighth Amendment to Software License and Support Services Agreement, in the amount of \$821,375.78; Utilizing Education Service Center (ESC) Region 19 Allied States Cooperative (ASC) Contract #24-7490, in the total amount of \$940,505.84, subject in part to approval of the 2024-2025 preliminary fiscal year budget,

and subject to finalization of contract documents by District's Legal Counsel.

**FUNDING SOURCE:** Budgeted Local Funds **ACCOUNT NO.:** 199.53.6XXX.911.99.XXX.911

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$940,505.84
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:** N/A

**CONSEQUENCES OF NON-APPROVAL:**

Annual maintenance and support, including software upgrades and technical support, will not be available.

**IMPLEMENTATION TIMELINE:** Upon approval

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ Coop Contract Information
- ▢ Frontline Technologies Vendor Contract
- ▢ First Amendment - Frontline Instructional Materials
- ▢ First Amendment (Frontline Data & Analytics, powered by Forecast5
- ▢ Eighth Amendment - Frontline Services Agreement

**EDUCATION SERVICE CENTER REGION 19 ALLIED STATES COOPERATIVE**  
**RFP AWARD SUMMARY**

**RFP TITLE:** Student and Finance Systems – ESC Region 19 Allied States Cooperative  
**RFP NUMBER:** 24-7490  
**RFP OPENING DATE:** April 23, 2024  
**CONTRACT TERM:** August 1, 2024 – July 31, 2028, with 3 annual extension options.  
**FUNDING SOURCE:** Various  
**RFP's ISSUED:** 1,068  
**RESPONSES:** 4  
**ADVERTISEMENT DATES:** El Paso Times – March 25, 2024 & April 1, 2024

**RECOMMENDED FOR AWARD:** **Focus School Software, LLC**  
**Frontline Education (Frontline Technologies Group LLC)**  
**Skyward, Inc.**

**TOTAL (estimated)** **\$16,000,000.00/year**

**EXPLANATIONS:**

Award of this solicitation will enable ESC Region 19 - Allied States Cooperative (ASC) to establish a contract with vendor(s) for Student and Finance Systems for those procurements made with federal, state or local funds. Evaluation and award recommendation were based on pricing (50 points), references (20 points), and other (30 points). The awarded vendors' pricing and information can be found on the Award Detail spreadsheet. East Point Consulting PC submitted a proposal however was not considered; vendor does not meet the scope of work.

**SPECIFICATIONS, PREPARATION AND EVALUATION PROVIDED BY:**

Rebecca Hernandez – ESC Region 19

Andrea Amiri – ESC Region 19

Patty Delgado - ESC Region 19

**Special Conditions**

1. Vendor must complete the "Modules List" to provide a list of current available modules as well as modules under development. Modules under development must be noted as not currently available and have an expected launch date listed.
2. Vendor is encouraged to offer at a minimum the following modules: Student Management, Educator Gradebook, Graduation Requirement, Food Service, Fee Tracking, PEIMS, Family Access & Interface, Student Professional Development, New Student Enrollment, Response to Intervention, Crystal Business Intelligence Maintenance & Reporting, Secure Cloud Services, Ports & Connectivity, ERP and Total District Reporting.
3. Awarded vendors must provide onsite service and installation when the Region 19 Purchasing Cooperative members states services are required in house.

**Approved By:** \_\_\_\_\_  
**Dr. Armando Aguirre**

**Date:** \_\_\_\_\_  
**May 8, 2024**

**VENDOR CONTRACT**  
**(Software and Services)**

THIS VENDOR CONTRACT FOR SOFTWARE AND SERVICES ("this Contract") is made as of the date written below between FRONTLINE TECHNOLOGIES GROUP LLC d/b/a FRONTLINE EDUCATION (the "Vendor") on behalf of itself and its subsidiaries and affiliates including esped.com Incorporated, and the EL PASO INDEPENDENT SCHOOL DISTRICT (the "District"). For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

1. **Term.**

1.1 **Term.** The term of this Contract shall be for a period from August 1, 2024 through June 30, 2025, unless earlier terminated in accordance with this Contract.

1.2 **Non-Appropriation.** In the event that the Contract is awarded for a term greater than one year or extending beyond the District's current budget period, it will be subject to approval at the commencement of each of the District's budget years. Vendor agrees that the District has the continuing right to terminate this Contract without notice at the end of a District budget period in which funds for this Contract are not appropriated. In such event the Contract may be terminated as soon as practicable after the event of non-appropriation or upon 30-days' prior written notice whichever provides the longest notice.

2. **Cancellation/Termination.** This Contract may be terminated as follows: (a) by either party in the event of material breach of this Contract by the other party which continues more than thirty (30) days after written notice of default from the non-breaching party to the breaching party; or (b) by the District at its option: (i) if Vendor becomes insolvent, files or has filed against it a petition in bankruptcy, proposes or accomplishes any dissolution, liquidation, composition, financial reorganization or recapitalization with creditors; (ii) if a receiver, trustee, custodian, or similar agent is appointed or takes possession of any property or business of Vendor; (iii) if, at the expiration of each District budget period occurring during the term of this Contract, funds for this Contract are not appropriated as provided in Section 1.2 above; or (iv) with or without cause upon sixty days prior written notice from the District to Vendor. In the event of early termination of the Contract for any reason, the total compensation which may be claimed by Vendor under this Contract shall be limited [subject to other limitations in this Contract or applicable law] to the payment for the conforming Software and/or Services timely provided by the date of termination.

3. **Right to Assurance.** Whenever the District in good faith has reason to question the Vendor's intent to perform, the District may demand that the Vendor give written assurance of its intent to perform. In the event that a demand is made and no assurance is given within ten (10) business days, the District may treat this failure as an anticipatory repudiation of the Contract.

4. **Remedies.** In the event of default of this Contract by Vendor, the District shall have all of, and may exercise one or more of, the following rights and remedies: (a) the right to recover damages; (b) the right to seek injunctive relief; (c) the right to seek declaratory relief; (d) the right to terminate this Contract as provided herein; and (e) any of its rights and remedies in law or equity. In no event shall District's action of terminating this Contract, whether for cause or otherwise, be deemed an election of District's remedies, nor shall such termination limit, in any way, at law or at equity, District's right to seek damages from or otherwise pursue Vendor for any default hereunder or other action.

5. **Force Majeure.** If by reason of Force Majeure (i.e. acts of God, strikes, lockouts, or other industrial disturbances, etc.), either party hereto shall be rendered unable, wholly or in part, to carry out its obligations under this Contract, then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the Party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the

continuance of the inability then claimed, except as hereafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

6. **Software and Services to Be Delivered.**

6.1 Intentionally Deleted.

6.2 Delivery of Software and Services and Standard of Care.

A. Delivery. Vendor agrees to provide the Software, as well as the Services, listed and described in Exhibit "A" (respectively, the "Software" and the "Services", and collectively, the "Software and Services").

B. Standard of Care. If the Services are performed by a non-professional Vendor, Vendor represents, covenants, and warrants that it will devote its good faith, best efforts in provision of the Services and will provide the Services with reasonable care and skill and in a good and workmanlike manner. If the Services are considered Professional Services, the Vendor further represents, covenants and warrants that it will provide the Services using the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same local. Services will be provided in a manner consistent with industry standards and will conform to the required specifications set out herein, and shall be delivered in compliance with all applicable laws, rules, regulations, procedures and consistent with industry standards.

6.3 Warranties for Software and Services.

A. Intentionally Deleted.

B. Intentionally Deleted.

C. Safety Warranty and Provision of Material Safety Data Sheets. The Software supplied to the District under this Contract shall conform to the standards promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act ("OSHA") of 1970. In the event the Software do not conform to OSHA standards, the District will be permitted to refuse or return the non-conforming Software for correction or replacement at the Vendor's expense. Where Software to be delivered under this Contract require the maintenance of Material Safety Data Sheets ("MSDS"), a copy of the relevant MSDS will be made available to the District's representative prior to delivery of the relevant Software.

6.4 No Warranties by District. No review, consent, or approval by the District of any documents prepared by Vendor shall constitute a representation or warranty by the District of the legality, suitability, or quality of the same or content thereof.

6.5 Reservation of Rights. The District reserves the right to use its own staff or any other third-party to provide the same or similar Software and/or Services to the Software and/or Services described herein.

7. **Tax Exemption.** The District is exempt from Federal Excise, State or City Sales Tax under State Law and such obligations are included in the price under this Contract. The District will furnish a tax exemption certificate, if required.

8. **Invoicing and Payment.** Compensation to Vendor is set forth on Exhibit "B", attached hereto and incorporated herein. Except as otherwise provided in Exhibit "B", Vendor shall invoice the District on or before the thirtieth (30<sup>th</sup>) day of each month, for the portions of the Software delivered and accepted and/or Services performed during the preceding month at rates set forth on Exhibit "B". Reimbursable Expenses are included in the hourly rate or not to exceed pricing for Services unless specifically excluded. If excluded, Reimbursable Expenses will be itemized separately and documented by receipts for invoicing purposes. Invoices for Software and/or Services shall not include Federal Excise, State or City Sales Tax for which an Independent School District is exempt under State Law. The District shall furnish a tax

exemption certificate, if required. The aggregate compensation from the District to Vendor for the Software and/or Services shall not exceed the maximum figures stated in Exhibit "B". Vendor shall not be entitled to receive payments or amounts under the Contract in excess of the amounts appropriated for the then-current budget period of the District. The District shall make payment to the Vendor for amounts determined to be properly due, not later than thirty (30) days after its receipt of the Vendor's invoice or as required by the Texas Prompt Payment Act (Chapter 2251 of the Texas Government Code) or its successor. The maximum interest rate on any past due payments by the District to Vendor shall be limited to the rate provided by Section 2251.025 of the Texas Government Code or its successor. The District shall not be required to make any payments to Vendor at any time Vendor is in default under this Contract.

9. **Confidential/Proprietary Information.**

9.1 **Confidential Information/Materials.** During the term of this Agreement, each Party will use the same degree of care to protect the other Party's Confidential Information as it uses to protect its own confidential information of like nature, but in no circumstances less than reasonable care. "**Confidential Information**" means any information that is marked or otherwise indicated as confidential or proprietary, in the case of written materials, or, in the case of information that is disclosed orally or written materials that are not marked, by notifying the other Party of the proprietary and confidential nature of the information, such notification to be done orally, by email or written correspondence, or via other means of communication as might be appropriate. Notwithstanding the foregoing, (a) Confidential Information of Vendor shall include the Software, and (b) Confidential Information of the District shall include Personal Data regarding the District's users provided in connection with the Software and Services. Confidential Information does not include information which: (i) was known to the receiving Party or in the public domain before disclosure; (ii) becomes part of the public domain after disclosure by a publication or other means except by a breach of this Agreement by the receiving Party; (iii) was received from a third party under no duty or obligation of confidentiality to the disclosing Party; or (iv) was independently developed by the receiving Party without reference to Confidential Information, or (v) with respect to Confidential Information of Vendor, information that is not protected from disclosure under the Texas Public Information Act. Aggregated data that does not contain personally identifiable information regarding Customer's users provided in connection with the Software and Services will be Confidential Information and property of Vendor. The receiving Party will not be liable for disclosures of Confidential Information that are required to be disclosed by law or legal process, so long as (if permitted by law) the recipient notifies the disclosing Party, provides it with an opportunity to object and uses reasonable efforts (at the expense of the disclosing Party) to cooperate with the disclosing Party in limiting disclosure. Vendor further agrees that, if it receives information or records concerning any student, it shall not disclose the same, except as permitted by the Family Educational Rights and Privacy Act a/k/a FERPA and, for records provided for the purpose of Medicaid billing and reimbursement, as permitted by the Health Insurance Portability and Accountability Act (HIPAA). Vendor further shall take all steps necessary to prevent disclosure of Confidential Information of the District by any other person or entity under its control, during the term of this Contract and at all times thereafter, without the prior written consent of the District.

9.2 **Intentionally Deleted.**

10. **Vendor Records and Retention.** On an annual basis and otherwise as agreed by the parties, the District or its authorized representative shall be afforded reasonable access to and be permitted to inspect and copy the Vendor's records relating to this Contract. Unless records are provided to the District, the Vendor shall preserve all such records for a period of six (6) years, after the District makes final payment and all other pending matters are closed, or for such longer period as may be required by law, after final payment under this Contract, including any extension thereof. To the extent that the requirements of 2 CFR § 200.333 apply to the Contract, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award, must be retained for the Vendor for only the period required by 2 CFR § 200.333 and the six (6) year requirement of this provision shall apply to all

other documents. If no federal funds are expended by the District for the Contract, the six (6) year retention requirement provided herein will apply.

11. Intentionally Deleted.

**12. Indemnification.**

12.1 Intentionally Deleted.

12.2 Indemnification. Vendor shall **INDEMNIFY, DEFEND, AND HOLD HARMLESS** the District, its elected officials, employees, officers, and representatives harmless from and against any and all third-party liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) directly or indirectly arising from: (a) infringement of any patent, copyright or similar property right including, but not limited to, misappropriation of trade secrets and any infringement by Vendor and its employees and consultants, in connection with any license provided, any deliverable or any Service furnished hereunder, and used by either the District or Vendor within the scope of this Contract (unless said infringement results directly from Vendor's compliance with District's written standards or specifications); and/or (b) any failure to properly perform any of the Services, EXCEPT to the extent caused by the gross negligence or intentional misconduct of the District.

12.3 Intentionally Deleted.

12.4 Indemnity Survival. The provisions of this Section 12 are solely for the benefit of the parties hereto, and not intended to create or grant any rights, contractual or otherwise, to any other person or entity and the obligations herein shall survive the termination or expiration of this Contract.

**13. Limitations of Liability.** IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES, WHETHER FORESEEABLE OR UNFORESEEABLE, OF ANY KIND WHATSOEVER (INCLUDING LOST PROFITS) ARISING FROM OR RELATING TO THIS AGREEMENT OR THE USE OR NON-USE OF THE SOFTWARE OR SERVICES. NOTWITHSTANDING ANYTHING CONTAINED IN THIS AGREEMENT TO THE CONTRARY, IN NO EVENT SHALL VENDOR'S TOTAL LIABILITY ARISING FROM OR RELATING TO THIS AGREEMENT, WHETHER BASED ON INDEMNIFICATION, WARRANTY, CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY OR OTHERWISE, EXCEED THREE TIMES THE TOTAL AMOUNT OF COMPENSATION DUE IN EXHIBIT "B". IN NO EVENT SHALL THE DISTRICT'S TOTAL LIABILITY ARISING FROM OR RELATING TO THIS AGREEMENT, WHETHER BASED ON INDEMNIFICATION, WARRANTY, CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY OR OTHERWISE, EXCEED THE THREE TIMES THE COMPENSATION DUE IN EXHIBIT "B". Each Party acknowledges and agrees that the warranty disclaimers and liability and remedy limitations in this Agreement are material, bargained for provisions of this Agreement and that fees and consideration payable hereunder reflects these disclaimers and limitations.

**13. Work On School District Campuses.**

13.1 Notice Before Entry During School Hours and Decorum on District Campuses. Vendor acknowledges that the Work may be performed in connection with an educational facility that is currently occupied and in use. It is imperative that Vendor's deliveries and/or performance of services not interfere with, interrupt, disturb, or disrupt District's normal operations or facilities. During school hours, when entry is not made on an emergency basis, Vendor shall notify the District in advance and arrange an escort for Vendor's representative.

13.2 Compliance with Campus Rules. Vendor agrees to and shall comply with all rules, regulations and requirements of the District and the school campus on which work is to be performed, and shall take all steps necessary to protect and guard the safety of the employees, students and invitees of District. Vendor recognizes that the ongoing school activities in proximity with its onsite activities shall result in

the need for prompt and effective coordination of its Services with those involved in the ongoing utilization of the premises. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Vendor shall be responsible for the actions of its employees and its Vendors. The Vendor recognizes that the site is a public-school campus, and will prohibit the possession or use of alcohol, controlled substances, tobacco, and any prohibited weapons on the site and shall require adequate dress of the Vendor's forces consistent with the nature of the work being performed.

14. **Criminal Background Checks.** Vendor shall comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, "Criminal History Record Information Review of Certain Contract Employees," any applicable rule(s) adopted by the Texas Commissioner of Education, District Board Policy CH (Legal) and (Local), and other policies and administrative requirements relating to or arising from such statute and rule(s); shall ensure that no covered employee of Vendor or of any subcontractor [if authorized] with a disqualifying criminal history performs services under the award at or for the District; and shall timely provide written certifications thereunder in such form and substance as requested by the District. Vendor understands that any failure to comply with the requirements of this section may be grounds for termination of its Contract with the District.

15. **Relationship.** **This Contract does not constitute a joint venture or partnership of any kind between the parties hereto. In addition, the parties expressly understand and agree that the provision of Software and/or Services are and shall be considered independent contractor work performed by Vendor, using Vendor's own talents, contacts, tools, vehicles, and equipment, and that nothing in this Contract in any way creates an express or implied contract of employment between the District and Vendor. Vendor is not and shall not be an employee of the District for any purpose. Vendor is exclusively responsible for all administrative matters relating to its status hereunder or the Software and/or Services, including without limitation, travel, lodging, and other expenses, any withholding and payment of all federal, state and local income taxes, FICA, FUTA, or other employment-related taxes, workers' compensation insurance, fringe benefit programs, or other benefits of any kind. Vendor represents that it is an independent contractor providing Software and/or Services for hire similar to the Software and/or Services to the general public, that it has full authority and capacity to enter into this Contract and provide the Software and/or Services, and that execution or performance of this Contract by Vendor shall not violate any other agreement or covenant or any law.**

16. **Federal Edgar Provisions.** Vendor acknowledges in the event federal funds are utilized to fund the Software and/or Services delivered under the Contract, Vendor will abide by all applicable federal laws, rules, and regulations, executive orders, and policies, procedures and directives applicable to the Contract, including but not limited to the following:

16.1 **Contractual Remedies.** Vendor agrees that it will comply with all administrative, contractual, legal remedies sanctions and penalties for violation or breach which are included in this Contract

16.2 **Wage and Hour Requirements.** To the extent that this Contract involves the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5), which requires Vendor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. This provision will not apply to the District's purchases from Vendor of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

16.3 **Clean Air Act and EPA.** Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 -7671q) and the Federal Water Pollution Control Act, as amended (33 USC 1251-1387) and agrees to promptly notify the District of any violation.

16.4 Debarment and Suspension. Vendor has certified that neither the Vendor nor its principals were listed on the government-wide exclusions in the System for Award Management ("SAM"), that neither the Vendor nor its principals are debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549 at the time this Contract was executed. Vendor further agrees on behalf of itself and its principals, to immediately provide written notification to the District if, at any time following execution of this Contract, Vendor or one of its principals learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances, or if Vendor or one of its principals is later listed on the government-wide exclusions in SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Failure to notify the District of erroneous information within five (5) business days of change in circumstances shall be grounds for immediate termination, but termination of Vendor shall not be an election of remedy by the District.

16.5 Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352. Vendor confirms its certification to the District that:

A. No Federal appropriated funds have been paid or will be paid, by or on behalf of Vendor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

B. Vendor further certifies that if any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. Vendor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Vendor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., providing administrative remedies for false statements, apply to this certification and disclosure, and that this certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Finally, Vendor agrees that it will require that the language of this certification be included in the award documents for all lower-tier contractors it hires, and that it will ensure that all subcontractors make the same certification in connection with work done under the Contract. The certification in this Section is a material representation of fact upon which the District has placed its reliance.

16.6 Compliance with Mandatory Provisions of State Energy Conservation Plan. Vendor shall comply with the all mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201), if any.

16.7 Compliance with Solid Waste Disposal Act. If the District purchased the same item or items from the Vendor under this Contract, which were purchased by the District during the preceding fiscal year, and the prior purchase exceeded \$10,000, Vendor agrees that it will comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, where applicable, and that it will provide information and certifications required by the District confirming estimates and otherwise evidencing such compliance.

16.8 Equal Employment Opportunity Clause. Vendor represents, warrants and certifies that, during the performance of the Contract:

A. it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Vendor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Vendor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination;

B. it will, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin;

C. it will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with Vendor's legal duty to furnish information;

D. it will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the commitments under section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment;

E. it will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor;

F. it will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders;

G. in the event of Vendor's non-compliance with the nondiscrimination clauses of the Contract or with any of such rules, regulations, or orders, the Contract may be canceled, terminated or suspended in whole or in part and the Vendor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law; and

H. it will include the provisions of paragraphs (A) through (G) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. Vendor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event Vendor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of

such direction, the Vendor may request the United States to enter into such litigation to protect its interests.

16.9 Termination for Convenience. Notwithstanding any provision to the contrary contained in this Contract if federal funds are used to fund the purchase represented by this Contract, the District, reserves the right to terminate this Contract for convenience. In such event, the District agrees, that it will be responsible, all legitimate charges with respect to periods prior to the termination.

17. **Miscellaneous.**

17.1 Assignment/Delegation. Without the prior written consent of the other party or as expressly provided herein, no party shall have right or power to assign this Contract in whole or in part, or to delegate or sub-contract any duties hereunder in whole or part; provided, however, that consent to any subcontracting or delegation shall not be unreasonably withheld or delayed and no consent shall be required in the event of a sale of all or substantially all of Vendor's assets so long as written notice thereof is immediately given to the District upon such sale. Any attempted assignment or delegation by Vendor shall be wholly void and ineffective for all purposes unless made in the conformity with this paragraph.

17.2 Governing Law and Venue. **THIS CONTRACT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND IS PERFORMABLE IN EL PASO COUNTY, TEXAS.**

17.3 No Waiver of Immunity. The District reserves, and does not waive, its rights of sovereign/governmental immunity and similar rights, immunities and rights of its officials and employees, under the Texas Tort Claims Act. Nothing herein shall be a consent to suit.

17.4 No Third-Party Beneficiaries. This Contract, and every provision thereof, shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns. No term or provision of this Contract shall benefit or obligate any person or entity not a party to it. The parties hereto shall cooperate fully in opposing any attempt by any third person or entity to claim any benefit, protection, release or other consideration under this Contract.

17.5 Context. Wherever the context shall require, the singular shall include the plural, and the male gender shall include the female gender and the neuter, and vice versa.

17.6 Intentionally Deleted.

17.7 Waiver. No waiver, change, modification or discharge by either party hereto of any provision of this Contract shall be deemed to have been made or shall be effective, unless expressed in writing and signed by the party to be charged. A waiver by either party of a breach of any of the terms, conditions, covenants or guarantees of this Contract shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either party to insist in any one or more cases upon the strict performance of any of the covenants of this Contract, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. No act or omission by a Party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that Party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

17.8 Severability. Any provision, or part thereof, of this Contract held by a court of competent jurisdiction to be invalid or unenforceable shall not impair or invalidate the remainder of this Contract and the effect thereof shall be confined to the provision, or part thereof, so held to be invalid or unenforceable.

17.9 Time of Essence. Time is of the essence with respect to Vendor's obligations hereunder.

17.10 Public Records. Records relating to this Contract may be subject to disclosure pursuant to the Texas Public Information Act f/k/a Open Records Act, Section 552.001 et. seq. of the Texas Government

Code. To the extent any of the Software and/or Services under this Contract involve the exchange or creation of Public Information as defined by such Act, the Vendor shall make any such information, not otherwise exempted from disclosure under such Act, available in writing and electronically in Microsoft Word, Microsoft Excel and or Adobe Acrobat.

17.11 Notices. All notices to a party under this Contract shall be provided by certified mail, return receipt requested, to the address set forth for the respective party beneath its signature block in this Contract, or such other address as later provided by a party through written notice to the other party.

17.12 Advertising. Neither party shall advertise or publish, without the other party's prior consent, the fact that the parties have entered into this Contract, except to the extent necessary to comply with open meetings provisions or with the Texas Public Information Act.

17.13 Right to Audit and Records Access. The District, or its authorized representative (including Texas Education Agency and the Comptroller General), shall be given reasonable access to records and rights to perform audits by The District's own personnel and/or an outside firm of consultants/auditors, in order to investigate the District's claims administration and Services, and evaluate the performance of the Vendor. The Vendor agrees to provide full cooperation during this process. Performance of these functions shall be conducted with proper notification per customary industry standards. Vendor agrees to maintain all required records seven (7) years after the District makes final payment and all other pending matters are closed.

17.14 Israel Certification. Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

17.15 Firearms Certification. Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants and covenants to the District that the Vendor: (a) does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (b) will not discriminate against a firearm entity or firearm trade association during the term of this Contract. For purposes of this provision, the terms "firearm entity", "firearm trade association" and "discriminate against a firearm entity or a firearm trade association" shall have the same meaning as set forth in Government Code Section 2274.001 et. seq. Vendor means a for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

17.16 Energy Company Certification. Pursuant to Texas Government Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001, (a) does not boycott energy companies; and (b) will not boycott energy companies during the term of this Contract.

17.17. Software. Subject to the terms and conditions set forth in this Contract (including any Exhibits hereto and/or Statement of Work), Vendor hereby grants District a non-exclusive, nontransferable license to use the software identified in this Contract ("Software") and the technical manuals, instructions, user information, training materials, and other documentation that accompany the Software and contain its technical specifications, as may be amended from time to time ("Documentation") solely for internal use by end users in the ordinary course of District's business. Vendor shall provide any professional or other services set forth in an Order Form ("Services"). All rights, title and interest to the Software and any work product, deliverables or other materials provided by Vendor ("Work Product") are expressly reserved and retained by Vendor or its licensors, including any program or other application that is designed to integrate and be used with the Software, whether or not developed independently by Vendor, and all improvements, modifications and intellectual property rights therein. District shall not, and District shall require any end users to not (i) transfer, assign, export, or sublicense the Software or Work Product except as specifically set forth herein, or its license rights thereto, to any other person, organization or entity, including through rental, timesharing, service bureau, subscription, hosting, or outsourcing the Software (whether or not such sublicense, hosting or outsourcing is by District or for District); (ii) attempt to create any derivative version thereof; (iii) remove or modify any marking or notice on or displayed through the Software, Work Product or Documentation, including those related to Vendor's or its licensors' proprietary rights in and to the Software, Work Product or Documentation, as applicable; or (iv) de-compile, decrypt, reverse engineer, disassemble, or otherwise reduce same to human-readable form. Without limiting the foregoing, District may not sublicense, outsource or otherwise grant access to the Software to any third-party vendor without Vendor's prior written consent, including any third party host of the Software for District.

17.18 Software Warranties. Vendor represents and warrants that (a) the Software will perform substantially in accordance with the specifications set forth in the then-current Documentation and (b) the Services will be performed in a professional and workmanlike manner. In the event of a nonconformance of the Software, Work Product or Services, reported to and verified by Vendor, Vendor will make commercially reasonable efforts to correct such non-conformance. District's sole remedy is limited to the replacement, repair, or refund, at Vendor's option, of defective Software or Work Product or reperformance of the Services. Notwithstanding the foregoing, any third-party materials shall be subject only to such third party terms and any warranties therein.

17.19 Disclaimers. EXCEPT AS EXPRESSLY PROVIDED HEREIN, VENDOR AND ITS LICENSORS EXPRESSLY DISCLAIM ALL WARRANTIES, WHETHER EXPRESS, IMPLIED, OR STATUTORY, AS TO ANY ASPECT OF THE SOFTWARE, WORK PRODUCT, SERVICES, OR OTHER PRODUCTS INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. FRONTLINE AND ITS LICENSORS DO NOT WARRANT THAT THE SOFTWARE, WORK PRODUCT, SERVICES, OR OTHER PRODUCTS WILL BE UNINTERRUPTED, OR ERROR-FREE; NOR DO THEY MAKE ANY WARRANTY AS TO THE RESULTS THAT MAY BE OBTAINED FROM USE OF THE SOFTWARE, WORK PRODUCT, SERVICES, OR OTHER PRODUCTS.

17.20 Entire Contract/Modification. **THIS CONTRACT, INCLUDING ALL EXHIBITS AND ADDENDA, IS THE FINAL, COMPLETE, AND ENTIRE CONTRACT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER AND SUPERSEDES ALL PRIOR COMMUNICATIONS, ORAL OR WRITTEN, BETWEEN THE PARTIES RELATING TO MATTERS HEREIN. THIS CONTRACT MAY BE MODIFIED OR RESCINDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY BOTH PARTIES TO THE CONTRACT BY AND THROUGH THEIR DULY AUTHORIZED AGENTS. Changes to this Contract may only be made by mutual written agreement of the parties, which must contain the authorized signature of the District's Superintendent or the President of the District's Board of Trustees.** No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term



**EXHIBIT “A”  
Software and Services**

**Scope of Services:**

Place(s) of Provision of Services: District-wide

Date(s)/Period of Provision of Services: August 1, 2024 through June 30, 2025

Description of Services:

**Instructional Materials Management Subscription:**

Vendor will provide District with an Instruction Materials Management Subscription, with unlimited usage for internal employees, to be used District-wide to inventory and track all textbooks. Vendor’s Instructional Materials Management license will provide tracking and management of print and digital instructional materials in a cloud-based system built specifically for District. The Instructional Material Management license will provide inventory needs to order, distribute, and audit textbook/materials.

Also included is annual Software Maintenance renewal Instructional Material Management for Software Upgrades and toll-free technical support for TIP Web-IM software, District-wide (District offices and all campuses).

In addition, Services include:

- Full comprehensive continuation of the licensing subscription.
- Remote tech support (including unlimited toll-free phone support).
- Tech support hours of 7:30 am CST-6:00 pm CST.
- All software hosting service/cloud hosting/redundant back-up of data.
- All software upgrades/updates and maintenance.

**Frontline Data & Analytics, powered by Forecast5:**

Vendor will also provide District with Frontline Data & Analytics, powered by Forecast5, which includes, but is not limited to, the following:

- **Budget Management Analytics Subscription - powered by Forecast5, usage for up to 5 employees**
  - Budget Management Analytics is an all-inclusive software for multi-year budgeting and projecting and has the ability to do monthly reporting and analyzing of your detailed financial activity throughout the current budget period. This program also helps upload detailed expenses and revenues for processing, analysis and reporting on a monthly and/or quarterly basis and project and analyze current year financial data based on monthly historical trends. In addition, this software provides key indicators for year-end budget variances of revenues, expenditures and fund balances.
- **Comparative Analytics Subscription – powered by Forecast5, usage for up to 5 employees**
  - Comparative Analytics is a software used to analyze local compensation/benefits trends. This program provides a view of revenue and expenditure trends by fund, function, and other detail levels. This software assists in identifying relative performance against benchmark peers and leverages prebuilt data sets and

analytics. In addition, it assists in evaluating staffing ratios and FTE trends by position against peers and comparing testing and achievement results by location.

- **Financial Planning Analytics Subscription - powered by Forecast5, usage for up to 5 employees**
  - The Financial Planning Analytics Premium Reports is a reporting package to automate the financial section of the budget book for a school district. This includes a HTML report for each school in the district including cost by function report by school, Student population statistics, student teacher ratios, staffing FTE's and Performance reporting. The report also includes an excel report linked to the Financial Planning Analytics service with 8 years of financial information meeting the Meritorious Budget requirements from ASBO INTL.
- **Comparative Analytics - powered by Forecast5 - 1 Additional User**
  - The additional Comparative Analytics User License provides access to an additional user.
- **Financial Planning Analytics – Premium Reports**
  - The Financial Planning Analytics Premium Reports is a reporting package to automate the financial section of the budget book for a school district. This includes a HTML report for each school in the district including cost by function report by school, Student population statistics, student teacher ratios, staffing FTE's and Performance reporting. The report also includes an excel report linked to the Financial Planning Analytics service with 8 years of financial information meeting the Meritorious Budget requirements from ASBO INTL.

**Deliverables:**

<b>Report or Other Deliverable</b>	<b>Expected Delivery Date</b>
<b>Instructional Materials Management:</b>	
<b>Technical Support</b>	<b>As needed during Fiscal Year</b>
<b>Webcast Refresher Training</b>	<b>As needed during Fiscal Year</b>

**EXHIBIT “B”  
Compensation**

**Compensation** [mark/complete one or more as applicable]:

N/A \$\_\_\_\_\_ (Lump Sum/Fixed Price)

N/A Payable at completion.

N/A Quarterly Payments of \$\_\_\_\_\_ beginning \_\_\_\_\_.

N/A Payable as follows:

\$\_\_\_\_\_ on \_\_\_\_\_

\$\_\_\_\_\_ on \_\_\_\_\_

\$\_\_\_\_\_ on \_\_\_\_\_

N/A \$\_\_\_\_\_ per \_\_\_\_\_, (with a not to exceed cap of \$\_\_\_\_\_)

N/A \$\_\_\_\_\_ per hour, (with not to exceed cap of \$\_\_\_\_\_, based on rates below) payable monthly based upon hours and types of Services provided and documented in invoice.

X Other [please explain]: District will pay \$54,307.67 for Instructional Materials Management Subscription with unlimited usage for internal employees within 30 days after receipt of invoice. District will also pay \$54,894.90 for Frontline Data & Analytics, powered by Forecast5 within 30 days after receipt of invoice. The amounts paid for the Software and Services provided by Vendor to District include the following:

Description	Amount
Instructional Materials Management Subscription, unlimited usage for internal employees	\$54,307.67
Budget Management Analytics Subscription - powered by Forecast5, usage for up to 5 employees	\$12,422.74
Comparative Analytics Subscription – powered by Forecast5, usage for up to 5 employees	\$16,563.64
Financial Planning Analytics Subscription - powered by Forecast5, usage for up to 5 employees	\$16,846.51
Comparative Analytics - powered by Forecast5 - 1 Additional User	\$780.67
Financial Planning Analytics – Premium Reports	\$8,281.34

**Expenses:** [Description]: \_\_\_\_\_ N/A

**Total Compensation for Services Permitted under this Contract:** \$109,202.57.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS CONTRACT IS CONDITIONED UPON THE COMPENSATION FOR THE INITIAL**

**TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS CONTRACT IS VOID.**

**ADDITIONALLY, FOR THE TERM OF THIS CONTRACT, THIS CONTRACT IS CONTINGENT UPON ITS UNDERLYING PROCUREMENTS (EDUCATION SERVICE CENTER REGION 19 ALLIED STATES COOPERATIVE RFP #24-7490) BEING VALID FOR THE ENTIRE CONTRACT AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**

**FIRST AMENDMENT AND EXTENSION TO  
FRONTLINE TECHNOLOGIES GROUP LLC D/B/A FRONTLINE EDUCATION  
AND  
EL PASO INDEPENDENT SCHOOL DISTRICT  
VENDOR CONTRACT (SOFTWARE AND SERVICES)  
(Instruction Materials Management Subscription)**

This First Amendment and Extension to Frontline Technologies Group LLC d/b/a Frontline Education and El Paso Independent School District Vendor Contract (Software and Services) ("First Amendment and Extension") is entered into by and between El Paso Independent School District ("District") and Frontline Technologies Group LLC d/b/a Frontline Education ("Vendor"), effective as of the date executed below.

RECITALS

- A. On or about August 30, 2023, the District and Vendor entered into a Vendor Contract (Software and Services) (the "Contract") having a term from July 1, 2023, through June 30, 2024, wherein Vendor would provide the District with Instruction Materials Management Subscription, with unlimited usage for internal employees.
- B. The Parties now wish to amend and extend the term of the Contract for an additional one (1) month period from July 1, 2024 through July 31, 2024 for the same software and services as provided by Vendor under the Contract. The term of the Contract will now change from July 1, 2023 through June 30, 2024 to July 1, 2023 through July 31, 2024. District has already paid Vendor \$57,522.17 under the Contract for software and services for the period of July 1, 2023 through June 30, 2024, and now the District will pay \$4,937.00 for the period of July 1, 2024 through July 31, 2024 for the same software and services. The total amount of compensation permitted under the Contract will increase from \$57,522.17 to \$62,459.17.

NOW THEREFORE, in consideration of the terms and conditions set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties agree to modify the Contract as follows:

1. The term of the of the Contract will now read from "July 1, 2023 though July 31, 2024."
2. The total compensation for services under the Contract on Exhibit "B" will now read as "Total Compensation for Services Permitted under this Contract: \$62,459.17 (District has already paid \$57,522.17).

**Ratification and Defined Terms.** Except as modified by this First Amendment and Extension, the Contract shall continue in full force and effect. The Parties each hereby ratify, affirm, and agree the Contract and this First Amendment and Extension represent the valid, binding, and enforceable obligations of the District and Vendor respectively. In the event of any conflict or inconsistency between the provisions of the Contract and this First Amendment and Extension, the provisions of this First Amendment and Extension shall control and govern. Except as otherwise defined in this First Amendment and Extension each of the terms used herein shall have the same meaning assigned to such terms of the Contract.

[Signatures on next page]

IN WITNESS WHEREOF, the Parties have caused this First Amendment and Extension to be executed by their duly authorized representatives on \_\_\_\_\_, 2024.

**EL PASO INDEPENDENT SCHOOL DISTRICT**

**FRONTLINE TECHNOLOGIES GROUP LLC d/b/a FRONTLINE EDUCATION**

\_\_\_\_\_  
Diana Sayavedra  
Superintendent

\_\_\_\_\_  
William O'Shea, Chief Financial Officer

Approved as to Form



\_\_\_\_\_  
Jeanne C. Collins  
General Counsel  
Signed: Thursday, June 13, 2024

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS FIRST AMENDMENT AND EXTENSION IS CONDITIONED UPON THE COMPENSATION FOR THE TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS FIRST AMENDMENT AND EXTENSION IS VOID.**

**ADDITIONALLY, FOR THE TERM OF THIS FIRST AMENDMENT AND EXTENSION, THIS FIRST AMENDMENT AND EXTENSION IS CONTINGENT UPON ITS UNDERLYING PROCUREMENT (EDUCATION SERVICE CENTER REGION 19 ALLIED STATES COOPERATIVE RFP #17-7247) BEING VALID FOR THE ENTIRE TERM AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**

**FIRST AMENDMENT AND EXTENSION TO  
FRONTLINE TECHNOLOGIES GROUP LLC D/B/A FRONTLINE EDUCATION  
AND  
EL PASO INDEPENDENT SCHOOL DISTRICT  
VENDOR CONTRACT (SOFTWARE AND SERVICES)  
(Frontline Data & Analytics, powered by Forecast5)**

This First Amendment and Extension to Frontline Technologies Group LLC d/b/a Frontline Education and El Paso Independent School District Vendor Contract (Software and Services) ("First Amendment and Extension") is entered into by and between El Paso Independent School District ("District") and Frontline Technologies Group LLC d/b/a Frontline Education ("Vendor"), effective as of the date executed below.

RECITALS

- A. On or about August 30, 2023, the District and Vendor entered into a Vendor Contract (Software and Services) (the "Contract") having a term from July 1, 2023, through June 30, 2024, wherein Vendor would provide the District with Frontline Data & Analytics, powered by Forecast5.
- B. The Parties now wish to amend and extend the term of the Contract for an additional one (1) month period from July 1, 2024 through July 31, 2024 for the same software and services as provided by Vendor under the Contract. The term of the Contract will now change from July 1, 2023 through June 30, 2024 to July 1, 2023 through July 31, 2024. District has already paid Vendor \$58,144.76 under the Contract for software and services for the period of July 1, 2023 through June 30, 2024, and now the District will pay \$4,990.49 for the period of July 1, 2024 through July 31, 2024 for the same software and services. The total amount of compensation permitted under the Contract will increase from \$58,144.76 to \$63,135.25.

NOW THEREFORE, in consideration of the terms and conditions set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties agree to modify the Contract as follows:

1. The term of the of the Contract will now read from "July 1, 2023 though July 31, 2024."
2. The total compensation for services under the Contract on Exhibit "B" will now read as "Total Compensation for Services Permitted under this Contract: \$63,135.25 (District has already paid \$58,144.76).

**Ratification and Defined Terms.** Except as modified by this First Amendment and Extension, the Contract shall continue in full force and effect. The Parties each hereby ratify, affirm, and agree the Contract and this First Amendment and Extension represent the valid, binding, and enforceable obligations of the District and Vendor respectively. In the event of any conflict or inconsistency between the provisions of the Contract and this First Amendment and Extension, the provisions of this First Amendment and Extension shall control and govern. Except as otherwise defined in this First Amendment and Extension each of the terms used herein shall have the same meaning assigned to such terms of the Contract.

[Signatures on next page]

IN WITNESS WHEREOF, the Parties have caused this First Amendment and Extension to be executed by their duly authorized representatives on \_\_\_\_\_, 2024.

**EL PASO INDEPENDENT SCHOOL DISTRICT**

**FRONTLINE TECHNOLOGIES GROUP LLC d/b/a FRONTLINE EDUCATION**

\_\_\_\_\_  
Diana Sayavedra  
Superintendent

\_\_\_\_\_  
William O'Shea, Chief Financial Officer

Approved as to Form



\_\_\_\_\_  
Jeanne C. Collins  
General Counsel

Signed Thursday, June 13, 2024

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS FIRST AMENDMENT AND EXTENSION IS CONDITIONED UPON THE COMPENSATION FOR THE TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS FIRST AMENDMENT AND EXTENSION IS VOID.**

**ADDITIONALLY, FOR THE TERM OF THIS FIRST AMENDMENT AND EXTENSION, THIS FIRST AMENDMENT AND EXTENSION IS CONTINGENT UPON ITS UNDERLYING PROCUREMENT (EDUCATION SERVICE CENTER REGION 19 ALLIED STATES COOPERATIVE RFP #17-7247) BEING VALID FOR THE ENTIRE TERM AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE CONTRACT TERM.**

**EIGHTH AMENDMENT TO  
SOFTWARE LICENSE AND SUPPORT SERVICES AGREEMENT**

THIS EIGHTH AMENDMENT TO SOFTWARE LICENSE AND SUPPORT SERVICES AGREEMENT ("this Amendment") is made as of the date written below between FRONTLINE TECHNOLOGIES GROUP, LLC (the "Licensor"), and EL PASO INDEPENDENT SCHOOL DISTRICT (the "Licensee"). For and in consideration of the mutual covenants herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

1. Licensor and Licensee are parties to that certain Software License and Support Services Agreement dated November 5, 2007 between Prologic Technology System, Inc., Licensor's predecessor-in-interest, and Licensee, as amended (the "Agreement"). The term of the Agreement in Section 6.01 "Term" provides that the Agreement is in effect and continues until Licensee ceases to use the Licensed Software Module or the date of Licensee's breach.
2. On or about October 13, 2017, the parties entered a First Amendment to Software License and Support Services Agreement that added additional terms regarding certain security requirements (First Amendment).
3. On or about June 25, 2018, the parties entered a Second Amendment to Software License and Support Services Agreement that renewed the Agreement for a period from September 1, 2018 through August 31, 2019 and established fees for that period (Second Amendment).
4. On or about January 31, 2019, the parties entered a Third Amendment to Software License and Support Services Agreement by adding additional services (Third Amendment).
5. On or about September 17, 2020, the parties entered a Fourth Amendment to Software License and Support Services Agreement that renewed the Agreement for a period from September 1, 2020 through August 31, 2021, established fees payable for that period, and added additional terms (Fourth Amendment).
6. On or about August 17, 2021, the parties entered a Fifth Amendment to Software License and Support Services Agreement that renewed the Agreement for a period from September 1, 2021 through August 31, 2022, established fees payable for that period, and added additional terms (Fifth Amendment).
7. On or about October 19, 2022, the parties entered a Sixth Amendment and amended the Agreement renewing the Agreement for a period from September 1, 2022 through August 31, 2023, establishing fees for that period, adding a new Section 8.15 for Licensor certifications regarding not boycotting Israel, Firearms, and Energy Companies, and updating the parties' addresses for notice in Section 8.08 of the Agreement (Sixth Amendment).
8. On or about August 15, 2023, the parties entered a Seventh Amendment and amended the Agreement renewing the Agreement for a period from September 1, 2023 through August

31, 2024, and establishing fees for that period and software to be provided by Licensor. (Seventh Amendment)

9. The parties now wish to amend the Agreement to establish fees payable for the period of September 1, 2024 through June 30, 2025 for the services to be provided, add language regarding fees payable for the period of July 1, 2025 through June 30, 2026 shall the District choose to continue services for that term, and add contingency language related to the procurement method and District budget.
10. The parties hereby agree that for the period from September 1, 2024 through June 30, 2025 the software provided to Licensee shall be as set forth on Exhibit "A" attached hereto and incorporated herein, and that the fees payable shall be prorated as set forth on Exhibit "B" attached hereto and incorporated herein.
11. The parties also agree that shall the District choose to continue to receive goods and/or services under the Agreement, the software provided to Licensee as set forth on Exhibit "A" attached hereto and incorporated herein by this Amendment, shall not exceed the fees as stated in Exhibit "B" attached hereto and incorporated herein in by this Amendment for the 2025-2026 school year.
12. Except as expressly amended in this Amendment the terms and conditions of the Agreement and any amendment thereto shall remain in full force and effect, according to its terms.

[signatures on the following page]

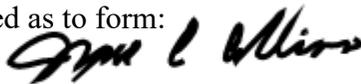
EXECUTED as of the \_\_\_\_\_ day of \_\_\_\_\_, 2024.

FRONTLINE TECHNOLOGIES GROUP, LLC

By:  \_\_\_\_\_ 6/13/24  
William O'Shea  
Chief Financial Officer

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Diana I. Sayavedra, Superintendent

Approved as to form:  


By: ~~Signed Thursday, June 13, 2024~~ \_\_\_\_\_  
Jeanne C. Collins  
General Counsel

## **Exhibit "A"**

Frontline Enterprise Resource Planning, which provides unlimited usage to internal District employees for recruiting, Position Management, Finance and Payroll Management, Procurement, Warehouse Services, and reporting.

Frontline Student Information Systems, which provides unlimited usage of Teams Solutions Software Student Information Systems (SIS) and third-party applications to internal District employees. This includes scheduling, attendance, grades, discipline, and student and parent portals.

Frontline Hosting Services on AWS include hosting in the primary zone, Backup log shipping to the secondary zone for business continuity, and disaster recovery services. Data security liability will transition to Frontline with the move to AWS.

**Exhibit "B"**

<b>Item Description</b>	<b>Unit</b>	<b>Units Required</b>	<b>Price Per Unit</b>	<b>Total Price</b>
Frontline Enterprise Resource Planning, ERP (On-Premise), unlimited usage for internal employees	Each	1	\$381,053.02	\$381,053.02
Frontline Student Information Systems, SIS (On-Premise), unlimited usage for internal employees	Each	1	\$440,322.76	\$440,322.76

**Total compensation not to exceed \$821,375.78 for the period of September 1, 2024 through June 30, 2025, payable within 30 days after receipt of invoice.**

Shall the District choose to continue to receive the same goods and/or services under the Agreement for the period of July 1, 2025 through June 30, 2026, the total compensation shall not exceed \$1,040,096.28, payable after July 1, 2025 and within 30 days after receipt of invoice.

**NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, THE EFFECTIVENESS OF THIS EIGHTH AMENDMENT IS CONDITIONED UPON THE COMPENSATION FOR THE TERM BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE 2024-2025 FISCAL YEAR BUDGET, AND ANY SUBSEQUENT TERM IS CONDITIONED UPON THE COMPENSATION BEING PROPERLY AND FULLY BUDGETED BY THE DISTRICT BOARD OF TRUSTEES IN THE RELEVANT FISCAL YEAR BUDGET, WITH APPROVAL BY THE DISTRICT BOARD OF TRUSTEES AS APPLICABLE. FAILURE OF THIS CONDITION PRECEDENT TO BE MET, THIS EIGHTH AMENDMENT, AND ANY FUTURE TERM, IS VOID.**

**FOR THIS EIGHTH AMENDMENT AND ANY FUTURE TERM, THIS EIGHTH AMENDMENT AND ANY FUTURE TERM ARE ALSO CONTINGENT UPON ITS UNDERLYING PROCUREMENT (EDUCATION SERVICE CENTER REGION 19 ALLIED STATES COOPERATIVE RFP #24-7490) BEING VALID FOR THE ENTIRE TERM AND HAVING THE BENEFIT OF BETTER PRICING AS AVAILABLE DURING THE TERM.**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

**TITLE:**  
*Approval of Award of Districtwide Copier Lease Program, RFP #24-024 (Administration Recommendation: Dahill Office Technology Corporation)(Budgeted Local & Federal Funds - \$5,015,000.00)*

**JUSTIFICATION STATEMENT:**  
(Copiers are needed to support District operations)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:**

**STAFF RESPONSIBLE:** Haydee Peña

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**  
The Request for Proposal (RFP) is one (1) of seven (7) approved purchasing methods allowed under Texas Education Code Section 44.031. Under RFP # 24-024, approximately three hundred and sixty (360) copier/multi-function devices (MFDs) will be replaced at the inception of or during the impending contract term. The term of the contract shall be for forty-eight (48) months.

The District requested proposals from qualified firms to provide hardware, software, service, supplies, and training for the District’s fleet of copier/multifunction devices (MFDs). Each vendor submitted pricing for eleven (11) copy machines meeting specific requirements. This allowed for a pricing comparison between similar devices, and also allowed the District to consider some cost- saving adjustments.

The evaluation committee consisted of Ms. Devin Acosta, Principal of Milam Elementary; Ms. Monica Brinkley, Principal of Rusk Elementary; Mr. Jose Cabrera, Director of IT Operations; Ms. Celina Chapa, Coordinator BEFM; Ms. Laila Ferris, Principal of Mesita E CDC Elementary; Mr. Patrick Gailey, Principal of Brown Middle School; and Ms. Sandy Ramirez, Purchasing Coordinator. Ms. Karina Romero, Contract Specialist, acted as facilitator and moderator during the evaluation process.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**  
It is recommended that the Board approve the award of Districtwide Copier Lease Program, RFP #24-024, to Dahill Office Technology Corporation, in the amount of \$5,015,000.00, beginning July 1, 2024, through June 30, 2028, subject in part to approval of the 2024-2025 proposed fiscal year budget, and future year budgets, and subject to review and approval of contract documents by the District’s Legal Counsel.

**FUNDING SOURCE:** Budgeted Local and Federal Funds      **ACCOUNT NO.:** 381.11.6269.828.24.000.828, 240.35.6269.961.99.100.961, 446.11.6269.999.23.510.850 & 199.xx.6269.xxx.

**FISCAL IMPACT AND COST:**  
• **IMMEDIATE:** \$1,253,750.00  
• **FUTURE/ONGOING:** \$3,761,250.00

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

Campuses and departments will not have the resources necessary to continue operations.

**IMPLEMENTATION TIMELINE:** July 1, 2024, through June 30, 2028

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▣ Board Report
- ▣ Scoring Summary
- ▣ Recommended Vendor 1295 Form
- ▣ Executive Summary
- ▣ Scope of Work

Approval of Award of Districtwide Copier Lease Program RFP #24-024

The Request for Proposal (RFP) is one of seven (7) approved purchasing methods allowed under Texas Education Code, Section 44.031. The purpose of this proposal is to replace all our copy machines and provide maintenance on the new machines for the term of the lease.

The District requested proposals from qualified firms to provide hardware, software, service, supplies, and training for the District's fleet of copier/multifunction devices (MFDs). Each vendor submitted pricing for eleven (11) models of copy machines meeting specific requirements. This allowed for a pricing comparison between similar devices, and also allowed the District to consider some cost- saving adjustments.

The RFP was advertised in The El Paso Times newspaper for two (2) consecutive weeks and posted on the District's Ionwave eBid website. Notifications were sent to seven hundred and eighteen (718) registered vendors through the District's eBid system. Twenty two (22) vendors viewed the specifications from the eBid system, two (2) vendors downloaded the specifications, and seven (7) responses were received.

The evaluation committee consisted of Ms. Devin Acosta, Principal of Milam Elementary; Ms. Monica Brinkley, Principal of Rusk Elementary; Mr. Jose Cabrera, Director of IT Operations; Ms. Celina Chapa, Coordinator BEFM; Ms. Laila Ferris, Principal of Mesita ECDC Elementary; Mr. Patrick Gailey, Principal of Brown Middle School; and Ms. Sandy Ramirez, Purchasing Coordinator. Ms. Karina Romero, Contract Specialist, acted as facilitator and moderator during the evaluation process.

The Bidder's Preference Law did not affect the bid award.

Budgeted Local and Federal funds will be used to support this purchase.

**RECOMMENDATION:** Administration recommends that the Board approve the award of Districtwide Copier Lease Program, RFP# 24-024, to Dahill Office Technology Corporation in the estimated amount of \$5,015,000.00, beginning July 1, 2024 through June 30, 2028, subject in part to approval of the 2024-2025 preliminary budget, and future year budgets, and subject to review and approval of contract documents by the District's Legal Counsel.

Respectfully submitted,

  
[Haydee Peña \(Jun 10, 2024 09:15 MDT\)](#)

Haydee Peña,  
Executive Director of Procurement & School Resources

Attachments: Scoring Detail  
Recommended Vendor 1295 Form 1295  
Executive Summary Back-up Information  
Scope of work

**EL PASO INDEPENDENT SCHOOL DISTRICT  
RFP #24-024 for DISTRICTWIDE COPIER LEASE PROGRAM**

<b>Supplier</b>	<b>Score</b>	<b>Purchase Price</b>	<b>Reputation</b>	<b>The Quality of the Vendor's Goods or Services</b>	<b>Meeting District's Needs</b>	<b>Vendor's Past Relationship with the District</b>	<b>Long Term Costs</b>	<b>Historically Underutilized Business</b>
DAHILL	79.14	19.00	10.00	16.43	18.43	5.00	6.71	0.00
Spectrum Technologies	76.43	17.00	10.00	15.86	17.71	5.00	7.00	0.00
DEX Imaging	74.43	30.00	10.00	11.43	10.00	5.00	5.29	0.00
Visual Edge IT	73.14	19.00	10.00	14.00	15.29	5.00	6.43	0.00
Canon Solutions America, Inc	73.00	15.00	10.00	16.14	16.29	5.00	6.43	0.00
Complete (Texas) Office Techno	69.43	16.00	10.00	14.14	15.71	5.00	5.14	0.00
SUPERIOR COPY MACHNES	56.00	15.00	10.00	11.57	9.29	5.00	3.43	0.00

Principal Place of Business	Relevant Factors
0.00	3.57
0.00	3.86
0.00	2.71
0.00	3.43
0.00	4.14
0.00	3.43
0.00	1.71

# CERTIFICATE OF INTERESTED PARTIES

FORM **1295**

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY  
CERTIFICATION OF FILING**

Certificate Number:  
2024-1135343

Date Filed:  
03/17/2024

Date Acknowledged:

**1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**  
Dahill Office Technology Corporation DBA Xerox Business Solutions Southwest  
San Antonio, TX United States

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**  
El Paso Independent School District

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.**  
RFP 24-024  
Districtwide Copier Lease Program

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Daniels, Dana	San Antonio, TX United States	X	
	Hasty, Megan	Coppell, TX United States		X
	Jimenez, Brenda	El Paso, TX United States		X
	Enriquez, Cristina	El Paso, TX United States		X
	Lingruen, Blake	Denver, CO United States		X

**5 Check only if there is NO Interested Party.**

**6 UNSWORN DECLARATION**

My name is Dana Daniels, and my date of birth is 03/30/73.

My address is 8200 IH-10 West, Ste. 400, San Antonio, TX, 78230, USA.  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Bexar County, State of Texas, on the 18th day of March, 2024.  
(month) (year)

*Dana Daniels*

\_\_\_\_\_  
Signature of authorized agent of contracting business entity  
(Declarant)



**EL PASO INDEPENDENT  
SCHOOL DISTRICT**

**EXECUTIVE SUMMARY BACK-UP INFORMATION**

24-024 (Districtwide Copier Lease Program)

<b>DESCRIPTION OF ITEMS / SERVICES:</b>	Districtwide copier lease
<b>FIRST ADVERTISEMENT DATE:</b>	2/13/2024
<b>SECOND ADVERTISEMENT DATE:</b>	2/20/2024
<b>EMAIL NOTIFICATIONS SENT:</b>	718
<b>DISTRICT WEBSITE POSTING DATE:</b>	2/13/2024 02:11:50 PM (MT)
<b>PRE-BID CONFERENCE:</b>	2/23/2024 9:00:00 AM (MT)
<b>BID DUE DATE:</b>	3/21/2024 08:00:00 AM (MT)
<b>DAYS THAT BID WAS AVAILABLE:</b>	1 month 8 days
<b>VENDOR WEBSITE VIEWS:</b>	22
<b>NUMBER OF BIDS RECEIVED:</b>	7
<b>NUMBER OF LATE BIDS REJECTED:</b>	0
<b>CONTRACT TERM:</b>	4 years
<b>TOTAL AWARD AMOUNT:</b>	\$5,015,000.00



**EPISD**  
EL PASO INDEPENDENT  
SCHOOL DISTRICT I AM EPISD

## **24-024 Addendum 5**

### **Districtwide Copier Lease Program**

Issue Date: 2/13/2024

Questions Deadline: 2/26/2024 01:00 PM (MT)

Response Deadline: 3/21/2024 08:00 AM (MT)

### **Contact Information**

Contact: Procurement and School Resources Department  
Address: 4900 Woodrow Bean Dr.  
El Paso, TX 79924  
Phone: 1 (915) 230-2808  
Email: [akromero@episd.org](mailto:akromero@episd.org)

## Event Information

Number: 24-024 Addendum 5  
Title: Districtwide Copier Lease Program  
Type: Request for Proposal  
Issue Date: 2/13/2024  
Question Deadline: 2/26/2024 01:00 PM (MT)  
Response Deadline: 3/21/2024 08:00 AM (MT)  
Notes: The El Paso Independent School District (EPISD) is requesting proposals from qualified firms and/or individuals to provide hardware, software, service, supplies, and training for the District's fleet of Copier/Multifunction Devices (MFDs). The term of the Contract shall be for forty-eight (48) months beginning on July 1, 2024 through June 30, 2028.

Non-Mandatory Pre-Proposal Meeting 2/23/2024 9:00:00 AM (MT) Non-Mandatory Pre-Proposal Meeting to be held at James Gamble Warehouse, located at 4900 Woodrow Bean/Transmountain. Date & Time subject to change.

## Ship To Information

Contact: EPISD Procurement & School Resources  
Address: 4900 Woodrow Bean Dr.  
El Paso, TX 79924  
Phone: (915) 230-3100  
Email: purchasing@episd.org

## Billing Information

Contact: Accounts Payable  
Address: PO Box 20100  
El Paso, TX 79998  
Phone: (915) 230-2136  
Email: accountspayable@episd.org

## Bid Activities

### Extension

2/4/2024

Answer to question deadline will be extended until March 4th end of business day

### Non-Mandatory Pre-Proposal Meeting

2/23/2024 9:00:00 AM (MT)

Non-Mandatory Pre-Proposal Meeting 2/23/2024 9:00:00 AM (MT) Non-Mandatory Pre-Proposal Meeting to be held at James Gamble Warehouse, located at 4900 Woodrow Bean/Transmountain. Date & Time subject to change.

## Bid Attachments

### Required\_Forms (1).pdf

[Download](#)

(REQUIRED FORMS) Complete and submit all included forms in the corresponding Response Attachments area.

### EDGAR\_Certifications.pdf

[Download](#)

(EDGAR CERTIFICATIONS) Complete and submit this form in the corresponding Response Attachments area.

### CIP\_Form\_1295.pdf

[Download](#)

(CIP FORM 1295) Complete and submit this form in the corresponding Response Attachments area.

### (SAMPLE)\_Vendor\_Agreement\_-\_Goods\_and\_Services.pdf

[Download](#)

(REVIEW) Please review contract sample and state any Deviations on the appropriate form. You are not required to fill out this agreement at this time. (See Bid Attributes)

### **General\_Terms\_and\_Conditions.pdf**

[Download](#)

(REVIEW) Please review RFP General Terms and Conditions

### **RFP\_Goods\_and\_Services\_Requirements.pdf**

[View Online](#)

(REVIEW) Please review RFP Goods and Services Requirements

### **Deviations\_Form.pdf**

[View Online](#)

(DEVIATIONS) Complete and submit this form in the corresponding Response Attachments area only if you are identifying deviations to the sample vendor agreement or any of the general terms and conditions. (See Bid Attributes)

### **2018\_w9\_Form (1).pdf**

[Download](#)

(IRS W-9 FORM) Please complete W9

### **EXHIBIT A Elem.xlsx**

[Download](#)

EXHIBIT A

### **EXHIBIT A Middle.xlsx**

[Download](#)

EXHIBIT A

### **EXHIBIT A Departments.xlsx**

[Download](#)

EXHIBIT A

### **EXHIBIT A HighSch.xlsx**

[Download](#)

EXHIBIT A

### **Exhibit B.xlsx**

[Download](#)

Exhibit B

## **Requested Attachments**

---

### **Required Forms**

*(Attachment required)*

Upload only the completed "Required Forms" documents here. Notarize forms where applicable.

### **EDGAR Certification**

*(Attachment required)*

Upload only the completed "EDGAR Certification" documents here.

### **CIP Form 1295**

*(Attachment required)*

Upload only the completed "CIP Form 1295" documents here. All sections of the form must be completed and signed.

### **Deviations**

(If Applicable) Upload only the completed "Deviations Form" document here.

### **Vendor Information**

Upload only the completed "Vendor Information" documents here.

### **IRS W-9 Form**

*(Attachment required)*

Upload the completed IRS W-9 form here.

### **Certificate of Insurance**

Please attach a copy of your certificate of insurance with the limits identified within the bid documentation.

# Bid Attributes

## 1 Introduction

The El Paso Independent School District (EPISD) is an accredited K-12 school system serving El Paso, Texas. EPISD is one of the largest school Districts in Texas and the largest school district in El Paso County. EPISD is a District of Innovation, comprised of an ethnically, culturally, and linguistically diverse community.

For more detailed information on the District, please refer to the following links:

- [EPISD District Snapshot](#)
- [Texas Education Agency \(TEA\) 2020-21 Texas Academic Performance Reports](#)

## 2 Scope of Work

The El Paso Independent School District (EPISD) is requesting proposals from qualified firms and/or individuals to provide hardware, software, service, supplies, and training for the District's fleet of Copier/Multifunction Devices (MFDs). The term of the Contract shall be for forty-eight (48) months beginning on July 1, 2024 through June 30, 2028.

## 3 The Primary Objective

- Award of contract to one supplier to provide Copier/MultiFunction Device (MFD) related equipment and services
- To reduce the District's hardware, service, and supply related expenses in regard to Copier/MFDs
- To reduce accounting costs by requiring that the awarded contract be for unlimited copy volume (copier volume not to be billed per copy)
- To maintain or exceed current service levels being provided to the District's internal customers
- To connect all Copier/MFDs to the District's network
- To reduce printing costs by utilizing Copier/MFDs for printing as well as copying
- To "right-size" the Copier/MFDs in each current location

*(Optional: Maximum 4000 characters allowed)*

## 4 Copy Volume

The volume of copies made on each machine varies greatly by unit. The average monthly copy volume of 5.375 million copies are not a guarantee of volume either maximum or minimum. It represents the average monthly volume we have experienced in the past to the best of our knowledge. Many machines will make many more copies annually than listed and others will make many less. The District is requesting plans that offer UNLIMITED copies. Our experience tells us that computing copy counts across an account of this size is not productive to either party. The District currently produces an average monthly copy volume of 5.375 million copies.

*(Optional: Maximum 4000 characters allowed)*

**5 Performance Requirements**

Vendor must guarantee a four (4)-hour average service response time, and a guaranteed forty-eight (48)-hour repair, or provide a substitute (loaner) unit free of charge.

If a unit requires replacement during the term of the agreement, it shall be replaced with a unit of equal or superior quality and functionality. District is entitled to a replacement of any unit with a unit of equal or better quality and specification if, within any three (3) consecutive month period, the unit is out of service of any contracted functionality for more than five (5) work days for the District location affected after the first 24 hours following the service call for repair. Example: District calls for service on Tuesday at 12:00 PM and the unit is still not fully functional by 12:00 PM on Wednesday. The unit is repaired to full functionality on Thursday at 10:00 AM.

Unlimited volume maintenance agreement on black and white units is required including all supplies except paper. This means that copier volume is not billed per copy. Black copies must be unlimited per unit. The District will allow moving/exchanging of installed like units periodically for purposes of balancing volume on high use units. Example: Copier X and Y are identical. Copier X is running a high volume and copier Y is not. The Vendor may, at its own expense and with notice to the District in writing, swap locations of units X and Y so as to balance the volume on the fleet and minimize service issues. Individual units may not be swapped more frequently than once in any six(6) month period. The District shall not be required to provide readings or any information regarding units. Vendor is responsible for monitoring installed units.

El Paso ISD shall not own the units at the end of term. Awarded Vendor must remove all units at end of contract term at no cost to the District.

Requested lease term is forty-eight (48) months commencing on July 1, 2024 and expiring on June 30, 2028.

All prices proposed shall be fixed for the duration of the agreement and not subject to increase. Prices may be reduced.

El Paso ISD is a tax-free entity and any applicable taxes from which the District is not exempt must be included in the quoted unit price.

No additional non-copier performance-enhancing charges or fees or tax charges shall be allowed other than those listed on the pricing sheet. In other words, if the additional proposed fees or charge is not directly related to the performance or functionality of the copier unit, it will not be allowed.

Vendor may propose additional features on an ala carte basis for the District to consider purchasing at District's discretion if it is in the District's best interest to do so.

Performance will be monitored and measured by the District on an ongoing basis. The successful Vendor and the District will meet as needed to assess and adjust performance as necessary.

EPISD reserves the right to relocate equipment between campuses or departments. Your response shall allow for movement of any unit if required at no cost to the District.

---

---

---

---

---

---

---

---

*(Optional: Maximum 4000 characters allowed)*

**6 Service Requirements**

The District requires that service be punctual, consistent, and expert. Service providers must be well trained and equipped to make repairs in the timeliest manner possible. Repeat service calls for the same problem are unacceptable. The successful Vendor must be able to provide supplies in an efficient and timely manner within one(1) week. Equipment is required to perform to the satisfaction of the District. Failure to repair within forty-eight (48)hours requires, at the District's request, that a substitute unit be provided to the location served until our installed unit is repaired.

---

---

---

---

---

---

---

*(Optional: Maximum 4000 characters allowed)*

**7 Service Technicians**

Offeror warrants that all technicians assigned to the El Paso ISD are authorized by the manufacturer to repair the proposed equipment.

A minimum of one service technician shall be dedicated to our account for the higher volume copiers, either responding to service calls or performing preventive maintenance. The same service technician(s) shall be assigned to our account throughout the term of this contract.

The technician(s) shall be available by mobile phone during business hours.

Meter reads (if applicable) are to be taken by the service technicians or completed electronically. EPISD staff will not be responsible for submitting any meter reads that the Offeror requires. No campus or department shall receive any phone calls requesting copier meter reads.

Contractor must provide a quarterly report for each school/department that includes copy volume, number of service calls, and amount of downtime for each copier. Downtime shall be reported in two categories: 1) Mechanical Malfunction and 2) Operator Error. Sample reports provided to other districts/customers shall be submitted with the proposal. Offeror shall include a detailed overview of how the data is collected, analyzed and used.

---

---

---

---

---

---

---

*(Optional: Maximum 4000 characters allowed)*

**8 Vendor Performance**

Performance will be monitored and measured by the District on an ongoing basis. The successful Vendor and the District will meet as needed to assess and adjust performance as necessary.

## 9 Equipment Requirements

The District requires latest technology Copier/MFD units for our campuses, administration and other locations. Minimum specifications are listed on EXHIBIT A.

The list in Exhibit A provides a description of the current Xerox equipment now in use by the District. They indicate the type, function, capacity, and minimum standard of design, efficiency, and quality desired. They are for reference only and are not intended to limit consideration of any specific brand or model of equipment.

Complete descriptive information and field history of the offered equipment must be included with the proposal. Equipment/Specifications being proposed as an equivalent or better must be available for inspection/evaluation by El Paso ISD.

Vendors are required to verify that the solution they are proposing has equivalent or better capabilities and features to the equipment currently in place at each location.

The District will accept only "New" equipment, no re-furbished or remanufactured equipment will be accepted. All copiers supplied will be U.L. approved and energy star compliant. In addition, all copiers supplied at the time of initial installation will be current models of modern technology using dry toner, and in current production.

Equipment shall be capable of operating on the District's computer network. Include an overview of the technology capabilities of the proposed equipment to include remote diagnostics and network connectivity. Any additional pricing to provide these services shall be included in your Proposal.

Networked copiers must be able to print from either a PC or Mac platform without incurring additional charges for setting up the copier to receive print signals from either platform.

Awarded Vendor shall provide inside delivery with complete installation, configuration and set-up of all units. All waste and packing materials shall be removed from the premises by the Vendor.

If the configuration of a suggested unit mandates the use of supplemental equipment such as a stand or a surge protector in order for the unit to satisfactorily meet functional requirements, then the unit's price shall include all such supplemental equipment.

Proposals are to include complete descriptive literature showing specifications of equipment offered. Literature must contain information on electrical and space requirements, as well as provide the dimensions of the copiers with and without optional features. Measurements must include their maximum widths, with optional features and paper cassettes attached. Copiers must be able to produce clean, acceptable images using a minimum of thirty percent (30%) post-consumer waste recycled paper made for xerographic purposes.

Media devices such as hard drives, optical disks, etc. that are used in MFD's or supporting systems containing EPISD sensitive information will become property of the EPISD once that particular device/system expires or when that particular media device is no longer being utilized in the performance of this contract.

1  
0

**Functionality Upgrades of Units**

At its sole discretion, the District may require certain functional upgrades or optional equipment on various installed Copier/MFDs from time to time during the resulting Contract pursuant to this RFP. Functionality upgrades may consist of, but not be limited to: Hole-Punching Copier/MFDs including Color Copier/MFDs as applicable; Saddle Stitching Copier/MFDs including Color Copier/MFDs as applicable; and Analog Fax Boards for Copier/MFDs including Color Copier/MFDs as applicable. The one-time flat-rate charge for such upgrades shall be firm for the entirety of the resulting Contract and would be co-terminus with the lease.

Each Copier/MFD functional upgrade installed during any previous month will be billed as a separate one-timeline item charge. Functionally upgrading Copier/MFDs will not in any way renew or extend the term of the resulting Contract(s).

The District may, in order to balance volume production and preserve the longevity of the Copier/MFDs, require the Vendor to switch Copier/MFDs in certain circumstances including, but not limited to, instances where volumes vary dramatically on Copier/MFDs within a given campus or building, or where certain Copier/MFDs are producing well below or above their expected volumes. Such load-balancing shall be performed periodically and as requested by the District during the Contract term at no charge to the District.

---

---

---

---

---

---

---

---

*(Optional: Maximum 4000 characters allowed)*

1  
1

**Equipment Relocation**

EPISD reserves the right to relocate equipment between campuses or departments. Your response shall allow for movement of any unit if required at no cost to the District.

1  
2

## Installation of Equipment

The Vendor must perform an assessment of each installation work site prior to installing Copier/MFDs under the resulting Contract for the purpose of ensuring that: (a) The volume and workflow needs of the given department are appropriate to the capacities of the devices to be deployed; (b) There is adequate electrical service and network cabling; and (c) The floor space will accommodate the planned Copier/MFD to be installed

Equipment installations and removals shall be done at mutually agreeable times established by the District.

All equipment shall be Freight on Board (F.O.B.) Destination to each using department or campus, inside delivery. The equipment will be deemed accepted only after delivery requirements have been met. The seller shall assume full responsibility for the equipment until accepted.

Installation of Copier/MFDs is expected at Contract Inception and During Contract Term. The District expects an award in April or May 2024. All deliveries of equipment and setup should be completed by June 30, 2024 for immediate use on July 1, 2024. Monthly billing will not start till July 1, 2024. Vendor's proposal should include information describing their installation and implementation plan.

Regardless of when Copier/MFDs are installed under the resulting Contract, all Copier/MFDs must conform to the specifications set forth in the Contract. Any unit installed during the entirety of the Contract term, regardless of build status, shall be the identical, or updated, equivalent model installed as part of the original base fleet. The Vendor must communicate its intentions to the District regarding this section prior to installation of any Copier/MFD. The District reserves the right to inspect and approve all service histories on Copier/MFDs proposed to be installed.

Additional Copier/MFDs requested will be proposed by the Vendor at the contracted Monthly Base Copier/MFD Charge as set forth on Vendors submitted Pricing Schedule.

Adding Copier/MFDs per the costs set forth in the Pricing Schedule will not in any way renew or extend the term of the resulting Contract(s). All Copier/MFDs added at any time during the Contract term must have the same operating lease termination date of June 30, 2028.

---

---

---

---

---

---

---

---

*(Optional: Maximum 4000 characters allowed)*

**1**  
**3** **Right to Replace Personnel Servicing the District**

Throughout the term of the impending Contract awarded pursuant to this RFP, the District will retain the right to require the Vendor to replace any training, billing, technical, sales, professional services, or other personnel for any reason.

The District requires repair and maintenance to be provided by a sufficient level/number of Factory Trained Technicians to provide on-campus and on-site maintenance and repair services. In your proposal, provide a description of the duties of the Vendor's factory-trained service technicians that will be supporting the District's Copier/MFD fleet.

The technicians assigned to the District shall maintain manufacturer's training certifications on all models installed in the fleet and pass all required background check

---

---

---

---

---

---

---

---

*(Optional: Maximum 4000 characters allowed)*

**1**  
**4** **Supplies**

The awarded Vendor will provide all supplies, to include staples, (except paper), to all copiers as part of the monthly charge per copier. No shipping charges shall be added. Offeror shall monitor supply needs for each unit and ensure that enough supplies are on hand at each campus or department when needed.

All parts including but not limited to drums, photoreceptors, master units, wiper blades, lamps, rollers, etc., shall be included in the Vendor's service coverage.

All supplies must be delivered to the campus or department where copier is located. The District will not be responsible for distribution of supplies.

Identify the proposed process for establishing inventory levels for supplies and repair parts. Be sure to include safety stock levels to prevent outages. Include the location and hours of your firm's warehouse operation if different than the Service Department

**1**  
**5** **Training**

Responders must include an explanation of how training will be provided for key District personnel. The training should include, at a minimum, technical training for Information Technology (IT) staff that covers topics such as installation, configuration and maintenances of the proposed system. Also, at a minimum, copier unit and feature training should be provided to end-users of the proposed system. List, in specific terms, the technical and end users training elements with expected timeframes using general benchmarks, e.g., upon delivery, the next working day after installation, etc.

Describe the proposed plan to provide initial and follow-up training for at least one member of each school campus or department. Explain how this process is Documented and maintained. Provide copies of actual training forms used in other districts. Personally, identifiable information may be redacted from the copies. Successful Vendor shall be prepared to schedule specific dates and times with each school or department.

Identify the documentation and resources available to assist users after the training is completed.

Offeror shall provide refresher training when operator error attributes to more than twenty percent (20%) of the monthly downtime. The training shall be documented.

**1**  
**6** **Interested Firms Wishing to Participate Must Comply with the Following Instructions**

Failure to submit completed forms as required by the RFP may result in the Respondent's proposal being deemed non-responsive.

Responses to this request will be evaluated and ranked according to demonstrated competence and capability to perform these services. Further, this request is not to be construed as a contract or a commitment of any kind, nor does it commit the El Paso Independent School District to pay for any costs incurred in the preparation of a formal presentation, or for any costs incurred prior to the execution of a formal contract.

The El Paso Independent School District reserves the sole right to evaluate the proposals submitted, to waive any irregularities therein, to select Vendors for presentations or to reject any or all firms which submitted proposals should it be deemed in the District's best interest. The El Paso Independent School District also reserves the right to re-issue or not award the request for proposals if necessary. Written responses and/or addendums will be issued to all respondents as soon as possible prior to RFP date.

Written responses to questions and/or addendums will be issued to all respondents as soon as possible prior to RFP due date.

All communications or questions concerning the RFP must be directed to the Procurement Services Department at the address listed below. All questions shall be submitted in writing, no oral responses are to be provided nor communication with anyone other than the Procurement Services Department. All written inquiries should be directed via eBid.

**1**  
**7** **Current Agreement and Equipment**

The District anticipates that it will replace the number of copiers at a one-to-one ratio for the District-wide leased machines at the same or a higher performance rating. It is anticipated that each campus continues providing the copier(s) at their facility at the same ratio and like rated machine.

Each campus will make the determination if they want to continue to provide copiers at the same quantity, performance rating and copier capacity. Your offer shall include a proposal to replace the existing machine with a machine of same likeness in performance, volume and copying capacity.

The District will make a determination regarding the efficiency and affordability of placing very high-volume copiers at the high school campuses.

The District will determine the number and location of copier placements under this agreement based upon both cost and needs of the District.

The placement of additional machines will be determined by the needs of the District and will be selected from the machine types included in your proposal. Your proposal shall include a schedule of machines eligible for lease placement for future needs based on the unit costs, pro-rated to coincide with the lease term. For example, if the District wishes to add another copier two (2) years into the lease. The District reserves the right to add copiers on a co-terminus lease at a later date with the same rate structure and terms in your offer.

The District requires that the lease terms of all copiers to end at the four (4) year contract term so that all copiers will have the same expiration date.

**1  
8** **Lease Agreement**

Your proposal shall clearly identify your plan as being a lease agreement. EPISD is soliciting pricing for fortyeight(48) months. Prices submitted shall be firm for the entire four-year (forty-eight (48) month) term starting July 1,2024 and ending June 30, 2028.

Vendor proposals and lease documents shall not contain an auto renewal and/or notification clause. EPISD will not enter into a lease agreement that contains an auto renewal and/or notification clause.

Vendor proposals and lease documents must include pickup of the leased equipment at the end of the lease period. EPISD will not enter into a lease agreement that does not include pickup of the leased equipment at the end of the lease.

Removal of the equipment upon expiration or termination of the contract shall be at the awarded Vendor's expense. The Vendor will be responsible for de-installing each Copier/MFD installed under resulting Contract, and returning it with prepaid freight and insurance, at no charge to the District within thirty (30) days following the expiration of the Contract term

**1  
9** **Schedule of events**

The following Schedule of Events represents the District's estimate of the timetable that will be followed in connection with this solicitation:

- Issue Date: 2/13/2024
- Questions Deadline: 2/26/2024.
- Answers to Questions: 2/29/2024
- Non-Mandatory Pre-Proposal Meeting 2/23/2024

\*\*\*NOTE: The District reserves the right to adjust this Schedule of Events as it deems necessary. Any clarifications, answers to questions, etc. will be issued via Addendum. Addendum (or Addenda)

The District will be closed for Spring Break March 11-15, 2024.

Pre-Proposal Meeting: EPISD will hold a pre-proposal meeting on February 23, 2024 at 9:00 a.m. MT at the El Paso ISD Procurement Services Department, 4900 Woodrow Bean Dr., El Paso, TX 79924. Attendance is strongly recommended but not required.

**2  
0** **Evaluation Criteria**

EPISD staff will evaluate qualifications submitted according to the process outlined below to determine demonstrated competence and qualifications to perform the services.

EPISD may interview and negotiate with qualified respondent(s), after reviewing such firms based on qualifications. The District reserves the right to make award without interviewing all companies submitting proposals.

**2  
1** **Contract Information**

The District expects to require that the Proposer sign a separate, formal contract document, in form and substance satisfactory to the District and its legal counsel. The District's standard contract including some of the required provisions of the District, or similar to those to be required, see attachment "A". If the Proposer requires the District to sign a separate contract, requires additions or changes to the sample contract, or has any objection to executing any such contract in such form, its proposal should identify each provision therein to which it objects or additional provision it desires, the reason for such objection or addition, and the proposed revised or additional provision or contract it would be willing to accept.

**2**  
**2** **Implementation Plan**

Provide a detailed plan and schedule for the placement of new copiers so that normal school operations are not disrupted. The District is looking for a full-service provider that can offer a turn-key solution. The implementation process will need to include project controls and processes that will ensure a smooth roll-out. Vendors are required to provide information on their project planning and implementation approach including specific tasks and a project plan with a detailed timeline of project completion. Proposals should clearly outline the Vendor's methodology and address the following items:

- Project Planning Process/Methodology/Project Plan
- Project Risk Management/Mitigation
- Required Protocols/Standards
- Product Certifications
- Testing and Acceptance Procedures
- Training (IT Staff Employees/General Users)
- Documentation (Full System and Training Equipment)
- Implementation Support

Responses should include a description of the responder's procedures for doing business including project management and technical support. Examples include:

- What is your proposed plan for managing the District account?
- Describe the roles and organization of a dedicated account support team, including a corporate support team. Responder must list sales and support team members.
- Describe your company's technical support system, response and problem resolution. What characteristics set your company apart?
- Describe unique examples of product, service or added value.
- What new technology and additional products or services does your company plan to utilize that would be advantageous to the District?

**2**  
**3** **Invoicing/Accounting**

The billing year shall begin on July 1 and run through June 30. The District prefers to receive monthly invoices and make payment for each copier monthly.

Billing information: Payments by the District must be applied to the appropriate invoice and not to the oldest outstanding invoice. The District will not be responsible for misappropriation of payments by the Vendor.

The awarded Vendor shall not bill for more than one purchase order on a single invoice. An official District purchase order number must be on every invoice or it will be returned unpaid. The purpose of these requirements is to reduce the administrative burden associated with verifying charges and reviewing invoices. Failure to comply with these requirements may result in delayed payments as invoices will be returned for correction.

**2**  
**4** **Copier Performance Warranty**

Offeror warrants that all copiers provided under this contract will perform at an uptime level of ninety-five(95%) per month. This calculation shall be made using only the hours of the “business day” as defined in the Definition of Terms.

Offeror warrants that the District may have equipment replaced if not completely satisfied with the performance of any piece of equipment for any reason. This determination will be made by the District.

Offeror warrants that service response time shall not exceed four (4) hours.

Awarded Vendor must place on each copier a sticker with the contact information and phone numbers to call for service and supplies along with a unit number to identify each copier.

If a copier is down for eight (8) continuous "business" hours, (consecutive hours or not) from the time of service call then the Contractor may be required, at the discretion of the school or department, to provide a loaner piece of equipment. Loaner equipment must be onsite and operational within four (4) hours of the request.

Copiers shall be maintained in such a manner that they are performing at their optimum level. If the downtime on a given copier exceeds five percent (5%) for two consecutive months, the machine will be replaced within ten (10) days.

---

---

---

---

---

---

---

---

*(Optional: Maximum 4000 characters allowed)*

**2**  
**5** **Substitution of Copier/MFD Models that Become Discontinued**

Should a Copier/MFD model originally installed under the resulting Contract become discontinued by the manufacturer during the term of the Contract, the Vendor may, with the written approval of the District, substitute alike Copier/MFD when it is required by the District to add Copier/MFDs or replace Copier/MFDs.

Copier/MFD(s) to be substituted per the terms of this Section must be of equal or greater capability as the Copier/MFD to be replaced and must be offered at the same Base Monthly Operating Lease cost (as set forth on Pricing Schedule as the original Copier/MFD. The Vendor must communicate its intentions to the District regarding this section prior to installation of any substituted Copier/MFD model.

---

---

---

---

*(Optional: Maximum 1000 characters allowed)*

**26 Desktop Printing and Scanning Management**

All units will be connected to our network and set up for printing and scanning as needed. The Vendor is required to facilitate this setup with the assistance of our District technology staff. Vendor must facilitate and provide the actual setup of staff pass codes or user IDs as required by the campuses and departments.

The District may be interested in limited use of a scan to desktop application for use with the units procured. This will likely be a limited application, but certain staff may need to be able to scan to their desktop or server personal file folder. Scan to email and file is a required feature and must have the ability to personalize (Example: Jane wants to scan a document for her use, she must be able to go to any unit and scan the document and be able to send it either to her desktop or her individual server file by some method such as a passcode, etc.

---

---

---

---

---

---

---

---

*(Optional: Maximum 4000 characters allowed)*

**Number of Machines**

Under this RFP initiative, approximately three hundred sixty (360) Copier/MFDs will be replaced at the inception of or during the impending contract term. This bid request does not include the District's Printshop copiers, they are not included in this Request for Proposal and shall not be a part of this bid.

The District does utilize digital duplicators such as Risograph duplicators and they are not part of this request for proposal. Quantities of copiers of different speeds listed below on the EXHIBIT A1 are anticipated and reasonably close to our needs, however, the District reserves the right to change quantities by switching units before the initial order is placed to meet our needs at the time. (e.g. If we have listed a fifty (50) copy per minute unit for a location and we decide to change to a seventy (70) copy per minute unit before the original order is placed pursuant to the award from this RFP, the District reserves that right and will pay the rate for the actual machine requested.)

The District reserves the right to increase or decrease the number ordered at the outset of the contract period. (Example: We have stated our estimated total number of copiers is three hundred sixty (360) units; however, we may order more, or less, under the proposed firm awarded price.)

The District requires latest technology Copier/MFD units for our campuses, administration and other locations. Minimum specifications are listed on EXHIBIT A.

The list in Exhibit A provides a description of the current Xerox equipment now in use by the District. They indicate the type, function, capacity, and minimum standard of design, efficiency, and quality desired. They are for reference only and are not intended to limit consideration of any specific brand or model of equipment.

Complete descriptive information and field history of the offered equipment must be included with the proposal. Equipment/Specifications being proposed as an equivalent or better must be available for inspection/evaluation by El Paso ISD. Vendors are required to verify that the solution they are proposing has equivalent or better capabilities and features to the equipment currently in place at each location.

The District will accept only "New" equipment, no re-furbished or remanufactured equipment will be accepted. All copiers supplied will be U.L. approved and energy star compliant. In addition, all copiers supplied at the time of initial installation will be current models of modern technology using dry toner, and in current production. Equipment shall be capable of operating on the District's computer network. Include an overview of the technology capabilities of the proposed equipment to include remote diagnostics and network connectivity. Any additional pricing to provide these services shall be included in your Proposal.

Networked copiers must be able to print from either a PC or Mac platform without incurring additional charges for setting up the copier to receive print signals from either platform.

Awarded Vendor shall provide inside delivery with complete installation, configuration and set-up of all units. All waste and packing materials shall be removed from the premises by the Vendor.

If the configuration of a suggested unit mandates the use of supplemental equipment such as a stand or a surge protector in order for the unit to satisfactorily meet functional requirements, then the unit's price shall include all such supplemental equipment.

Proposals are to include complete descriptive literature showing specifications of equipment offered. Literature must contain information on electrical and space requirements, as well as provide the dimensions of the copiers with and without optional features. Measurements must include their maximum widths, with optional features and paper cassettes attached. Copiers must be able to produce clean, acceptable images using a minimum of thirty percent (30%) post-consumer waste recycled paper made for xerographic purposes.

Media devices such as hard drives, optical disks, etc. that are used in MFD's or supporting systems containing EPISD sensitive information will become property of the EPISD once that particular device/system expires or when that particular media device is no longer being utilized in the performance of this contract.

---

---

---

*(Optional: Maximum 1000 characters allowed)*

2  
8

**Name of Company Contact**

Please list the name of the contact person that EPISD may call regarding this bid. The contact person will serve as the liaison between EPISD and your company. This should be the person that will answer questions regarding the bid submittal and questions pertaining to purchases and purchase orders.

---

---

---

*(Required: Maximum 1000 characters allowed)*

2  
9

**Company Contact Email Address**

Please list the email address of the company contact person that EPISD would be emailing in regards to this bid, and to whom questions pertaining to purchases and purchase orders should be addressed.

---

---

---

*(Required: Maximum 1000 characters allowed)*

3  
0

**Service Contract Point of Contact (if applicable)**

Please provide the Point of Contact information for the company representative authorized to sign Service Contract Agreements.

---

---

---

*(Optional: Maximum 50 characters allowed)*

3  
1

**Proposal Format**

Responses to this RFP should include a cover page and followed by a table of contents. Proposals should be organized into the following major sections and provide enough detail for the District to make an informed decision and comparison of proposals. Emphasis should be placed on accuracy, completeness, and clarity of content. Additional information such as marketing brochures and promotional materials may be included but should be at the end of the proposal in an appendix.

**Executive Summary**

A brief narrative not to exceed three (3) pages describing the proposed solution.

**Company Background**

Provide company background information including description of products and services and company history. Responses should address the following items and may include other information that the Vendor believes would be relevant to the District in light of the information in this RFP.

Company History

Product Focus

Employees

Years in Business

Key Partnerships and Alliances

District Cooperative Purchasing Contracts (e.g. Buyboard, DIR, Allied States, GSA)

Vendor Offices/Locations

Number of Customers

Number of School District Customers

A Description of the Project Team

Resumes of Key Project Members

To be considered qualified, a Vendor shall have been in the business of leasing and servicing copiers for at least five years.

The Proposer shall provide a list of three (3) references, K12 school customers that have used the proposed product(s) and or services. Include school name, contact person, telephone number, quantity of machines, and length of time equipment has been at the location. References having similar monthly volumes and number of machines as identified in this proposal will receive greater weighting.

Proposals that do not include the required reference information, including the required number of references, and current contact name and phone number for each reference, will be disqualified.

The Proposer shall demonstrate a proven ability to manage an account the size of El Paso ISD at the performance level required by the District. Strong consideration will be given to Offerors that can document successful past performance with performance-based contracts.

If your firm is a dealer rather than the actual manufacturer of the proposed equipment, the following certification, on the Manufacturer's letter head, and signed by an authorized representative of the

manufacturer, must be included with the dealer's proposal:

*"The manufacturer certifies that ..... is an authorized dealer for the specific equipment proposed. Furthermore, the manufacturer guarantees that should the dealer fail to satisfactorily fulfill any obligations established as a result of the anticipated contract awards, the manufacturer, upon default by the dealer will assume and discharge the dealer's obligations for the remainder of the contract at the prices, terms, and conditions originally proposed by the dealer.*

## **Proposed Solution**

28.1.3.1. Provide a narrative of the proposed solution including a listing of all hardware and software components. Responses should address all items identified in the requirements section above as well as, in a separate section, other optional features recommended by the Vendor. The Vendor should highlight features and capabilities that the Vendor feels are the strengths of the proposed solution. The section should include the following major parts:

Solution Overview

System Functionality

Technical Specifications

System Requirements Including Specific Proposals Regarding Each of the Following:

Hardware

Software and User Features

Security, Maintenance, and Support

Implementation Proposals Regarding Each of the Following:

Project Management

Vendor Operating Procedures

Training

## Service and Support

### Warranty Information

Provide a detailed work plan including Vendor's methodology for implementing the proposed solution. This section should address all key phases including project planning, configuration, testing, roll out and support. Responses should include implementation plan considerations including estimated time frame and deliverables for various stages of the project. Responses should include a discussion of resources required by District staff including IT personnel and end user training for the implementation as well as skills required to support the new system. Key areas of interest include testing procedures and project risk mitigation to help avoid system downtime. Vendors must include a discussion of their project management approach, including project staffing.

Vendors should discuss any potential upgrades/changes that are required or recommended as part of the solution that is deemed outside the scope of work such as additional features or components. Vendors should discuss technology/platform strategy and future upgrade plans that will assist in the decision process.

Offerors are encouraged to offer and clearly define "value-adds" as a means to enhance "best value" to the District.

Provide on-site equipment warranty information. Provide support services options. Include information about customer support services, trouble reporting, maintenance agreements and costs and whether field support is local, area or regional and expected on-site support response times.

### Client References

Proposal must include a minimum of three (3) references for directly applicable projects preferably with Texas K-12 School Districts. References should include an overview of the solution provided including hardware and software components. Additional references are allowable if the Vendor chooses. Include the contact person who was directly responsible for overseeing the implementation/completion for each of the referenced projects. Proposals must include the name of the client/agency, contact information (name, phone number and/or email address) and the dates the services were provided.

### Literature on Proposed Units

Included literature on all of the units you are proposing in response to the request.

### Proposed Equipment and Costs

Include basic unit cost and a listing of all available options listed separately.

### Required Forms

Below listed forms are required to be completed, signed in "blue ink" by an officer of your firm, and included with your proposal.

Proof of Insurance Certification

Vendor Information

References

Suspension and Debarment

Deviations/Exceptions Page

Conflict of Interest Form

W-9 Form

Contractor's Certification

Additional Federal Certification

3  
2

**Principal Place of Business**

Please indicate Proposer's Principal Place of Business (State)

---

---

---

*(Required: Maximum 1000 characters allowed)*

3  
3

**Electronic Submittal**

As permitted by law, Section 44.0313 of the Education Code, the District conducts non-construction solicitation transactions by electronic means (E-Bid System) to the extent possible. The E-Bid System is web based and the process requires vendor registration in order to use the system and provide an electronic response to this solicitation. The instructions for electronic filing can be accessed [HERE](#). If you need assistance with registering or accessing the information you may contact the Procurement Services Department at (915) 230-3100 for assistance.

Vendors are responsible to ensure that their proposal has been properly submitted. Failure to comply with the requirements of this solicitation, including specific form of the submission required, may be grounds for disqualification of the proposal as "non-responsive." All proposals shall be submitted through the E-Bid System or, in hard copy by hand delivery, mail or overnight carrier; the District will not accept proposals via facsimile or email.

Read and Understood

*(Required: Check if applicable)*

3  
4

**Hard-Copy Pickup and Submission**

If your firm does not have the means to submit a response electronically, the District will accept hard copy responses; however, the Vendor must register on the Electronic System in order to receive communications during the process. If Vendor has no access to a computer system, Vendor may contact the Procurement Services Office at (915) 230-3100 for assistance in registering or obtaining responses from the system. Prospective Vendors may obtain a hard copy of the solicitation from the District's Purchasing Office, located at 4900 Woodrow Bean Dr., El Paso, Texas 79924, between the hours of 9:00 a.m. and 4:00 p.m. Please contact Procurement & School Resources at (915) 230-3100, in advance of your visit to assure that the hours have not changed and someone will be available to assist you.

Hard copy responses must be submitted prior to the stated submission deadline. Responses shall be mailed or hand delivered to the District's Procurement & School Resources department, located at 4900 Woodrow Bean Dr., El Paso, Texas 79924, in a sealed envelope or package clearly marked with the Vendor's name, return address, the solicitation name and number, and the opening date and time. Hard copy responses may be modified, provided such modifications are sealed and received at the District's Procurement & School Resources prior to the stated solicitation submission deadline.

**Any proposal or modification received after the solicitation submission deadline shall not be accepted or considered.**

**3**  
**5** **EDGAR Certification Form**

For all purchases made using federal funds, the District is required to comply with the federal regulations related to the purchasing of goods and services [2 CFR 200.317-200.326] effective July 1, 2018. When the District seeks to procure goods and services using funds under a federal grant or contract, specific federal laws, regulations, and requirements may apply to the procurement, in addition to those under state law. This solicitation includes the procurement standards of the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards, 2 CFR 200 (sometimes referred to as the "Uniform Guidance" or new "EDGAR"). The District requires all Vendors must complete and execute the EDGAR Certification Form attached hereto as Attachment "EDGAR Certifications" certifying Vendor's willingness and ability to comply with EDGAR requirements, as the source of funding may not be known at the time of this solicitation

Please Select  EDGAR certification form is attached  Cannot Comply

*(Required: Check only one)*

**3**  
**6** **References**

Provide information regarding three (3) school district clients, other than El Paso ISD, to whom you have provided similar goods or services to the ones requested in this solicitation or with whom you have worked on projects of similar size and scope to the one for which services are requested in this solicitation. For each, provide names, addresses, telephone numbers, and email address of contact persons that may be of reference and that may be contacted regarding the quality of your service and your qualifications.

---

---

---

---

---

---

---

---

*(Required: Maximum 4000 characters allowed)*

**3**  
**7** **Questions and Requests for Clarification**

If a Vendor is in doubt as to the meaning of any part of this solicitation, questions or requests for clarification may be submitted electronically via the District's E-Bid system. Verbal questions and explanations are not permitted. Interpretations, clarifications, and answers to questions shall be made only by written response issued to all Vendors via E-Bid message, or by other form of delivery if prior arrangements are made.

**3**  
**8** **Restriction on Communication**

Vendors and their respective employees, agents, subcontractors, and representatives shall restrict their contact with the District and direct all questions regarding this solicitation, including questions regarding the proposed contract, to the procurement & school services department. Vendors and their respective employees, agents, subcontractors, and representatives, are specifically prohibited from directly or indirectly discussing, communicating, lobbying for, or promoting its proposal to any member of the District's Board of Trustees, any member of the District's administrative staff, any member of an employee association affiliated with or representing any District employee or group of employees, any member of a District committee having responsibility for evaluation of responses or any consultant or professional retained or used by the District in connection with this solicitation. This restriction extends to "thank you" letters, phone calls, emails and any contact that results in the direct or indirect discussion of the solicitation and/or proposal submitted by the Vendor. This policy is intended to create a level playing field for all Vendors and ensure the integrity of the solicitation process. Any violation of this provision may result in disqualification of the Vendor's response from consideration.

Please Select  I comply  I do not comply

*(Required: Check only one)*

**3  
9** **Interlocal Cooperation Agreement**

The District is permitted, under the provisions of Texas Government Code Chapter 791 and Texas Education Code Section 44.031(a)(4), to allow other local government entities (“LGEs”) to utilize the pricing proposed by the successful Vendor to purchase the same goods or services; a process sometimes referred to as “piggy-backing”, to satisfy the LGE’s own procurement requirements and streamline the purchasing process. The District intends, upon request of another LGE, to extend the final pricing terms offered by the Vendor to that that LGE as permitted by statute. By extending the solicited pricing to another LGE, the District is acting solely for the purpose of streamlining the procurement process for the LGE and its compliance with Texas competitive bidding requirements. The District assumes no other responsibility for the transaction, the Vendor or the purchasing compliance of the LGE. The District shall not be responsible for any costs, damages, etc. incurred by either the Vendor or the LGE related to any purchase, failure to purchase by the other LGE or disputes between the parties. The Vendor must deal directly with the purchasing LGE concerning the placement of orders, issuance of purchase orders, insurance certificates, contractual requirements, disputes, if any, invoicing and payment or any other terms and conditions that the purchasing LGE may require. The actual utilization of the terms of this procurement by the purchasing LGE is at the sole discretion of the purchasing LGE.

Please Select    Read and Agreed    Read and Do Not Agree

*(Required: Check only one)*

**4  
0** **Contract Agreement Terms**

Vendor(s), if awarded as a result of this solicitation, may be required to complete and sign the El Paso Independent School District Vendor Agreement (if applicable). At this time, the EPISD only needs to know that you are agree with the terms provided in the agreement provided in the "Attachments" tab. Vendors do not need to complete the contract until an award has been made. If you **do not** comply with the District's Vendor Agreement; please state so in the Deviations section included in this solicitation.

Please Select    I comply    I do not comply

*(Required: Check only one)*

**4  
1** **Rejection of Responses/Waiving of Formalities**

The District retains the right to reject any and all responses and to waive any and all formalities. In evaluating responses, the District is not required to select the response based solely on the lowest pricing, and will consider the criteria set out in Tex. Education Code, Section 44.031(b) and any other factors specifically set out in this solicitation.

Read and Understood

*(Required: Check if applicable)*

**4**  
**2** **Evaluation Criteria**

The District reserves the right to award a the Vendor offering the best value, and not necessarily to the Vendor proposing the lowest price, and reserves the right to accept or reject any or all Proposals, and waive any formalities. It is not the policy of the District to purchase on the basis of lowest price proposals alone. In evaluating proposals submitted, the District will consider the criteria set out in Texas Education Code, Section 44.031(b) including the following:

- **(30 Points)** Purchase price, to include all costs associated with obtaining the goods/services requested
- **(10 Points)** The reputation of the vendor and of the vendor's goods or services (References)
- **(20 Points)** The quality of the vendor's goods or services (**Samples**)
- **(20 Points)** The extent to which the vendor's goods or services meet the District's needs
- **(05 Points)** The vendor's past relationship with the District (Full points given, deducted for documented poor performance)
- **(10 Points)** The total long-term cost to the District to acquire the vendor's goods or services
- **(00 Points)** The impact on the ability of the District to comply with laws and rules relating to Historically Underutilized Business
- **(00 Points)** For a contract for goods and services, other than goods and services related to telecommunications and information services, building construction and maintenance, or instructional materials, whether the vendor or the vendor's ultimate parent company or majority owner has its principal place of business in this state or employs at least 500 persons in this state
- **(05 Points)** Relevant factors specifically listed in request for bids or proposal

Capabilities of assigned personnel and level of commitment  
Responsiveness of the written statements to the purpose and scope of work  
Customer support plan to include trainings  
Provide monthly usage reports and overages by campus/locations

**4**  
**3** **Disclosure of Interested Parties (Form 1295)**

Texas Government Code, Section 2252.908 requires the disclosure of interested parties by a vendor, using the form and procedure established by the Texas Ethics Commission, at the same time it submits the signed contract, if the contract award requires action or a vote by the Board of Trustees or the value of the contract awarded as a result of the solicitation is at least one million dollars (\$1,000,000.00). The form requires disclosure of any "interested party" to the contract of which the contracting Vendor is aware, and execution by an authorized agent of the contracting Vendor. A copy of Form 1295 and further information about the process required is attached hereto as an attachment in the District's Required Forms. Vendor agrees that upon contract award and notification by the District of the applicability of this requirement, it will timely comply with the filing requirements set forth by the Commission and required by Section 2252.908 of the Texas Government Code.

The Certificate of Interested Parties (Form 1295) must be filled out electronically through the Texas Ethics Commission's online filing application, printed out, signed, and submitted within ten (10) days of award notification to EPISD.

**4**  
**4** **Exemption from CIP Form 1295**

Effective January 1, 2018, the State of Texas established an exemption to file the Form 1295. This form is not required if your company is a publicly traded business entity, including a wholly owned subsidiary of the business entity. Please select which applies to your company. Please note if your company is exempt from filing Form 1295, and provide your ticker/stock symbol for verification in the next attribute.

- Please Select     Company is a Publicly Traded Business Entity  
 Company is not a Publicly Traded Business Entity

*(Required: Check only one)*

<b>4</b> <b>5</b>	<b>Ticker/Stock Symbol</b> Please provide your company ticker/stock symbol.  <hr/> <hr/> <hr/> <i>(Required: Maximum 50 characters allowed)</i>
----------------------	---

<b>4</b> <b>6</b>	<b>Deviations/Exceptions to Contract Terms and Conditions</b> Complete and submit any deviations/exceptions to the general terms and conditions of the contract attached to the solicitation in the "Attachments" tab and include an explanation for the requested change(s) with your response. Your response should be submitted on the form attached as Attachment Deviations/Exceptions to Pricing Conditions, Terms and Conditions and Contracts. Attach additional sheets as necessary. By execution of its proposal, Vendor agrees to the general terms and conditions of the contract and the form of contract set out in the "Attachments" tab as General Terms and Conditions of the Contract, respectively, to the extent they apply to the provision of Goods or Services (or both) in connection with this solicitation.  <b>NOTE:</b> Failure to provide comments or requested changes will indicate your acceptance of the required contract provisions and no further negotiations of the provisions will be permitted. The final contract shall be subject to review and approval by the District's Legal Counsel.  <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <i>(Required: Maximum 4000 characters allowed)</i>
----------------------	---

<b>4</b> <b>7</b>	<b>Criminal History Record Information (CHRI)</b> Texas Education Code Chapter 22 requires entities that contract with school districts to obtain CHRI on covered employees. Covered employees with disqualifying criminal histories are prohibited from serving at a school district. Vendor will be required to certify to the District that it has complied and will be required to obtain similar information from its employees, subcontractors of every tier and independent contractors, to the extent they are, or employ, covered employees. "Covered employees" are defined as all employees of a vendor, or its subcontractors of any tier, and individuals who are independent contractors, who have or will have continuing duties related to the service to be performed at the District and have, or will have, direct contact with students. The District will be the final arbiter of what constitutes continuing duties and direct contact with students. A "disqualifying criminal history" includes existence of one of the following offenses in the CHRI Report, if at the time of the offense, the victim was under 18 or enrolled in a public school: (a) a felony offense under Title 5, Texas Penal Code; (b) an offense for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedure; or (c) an equivalent offense to (a) or (b) under federal law or the laws of another state. A copy of the form of criminal background certification is attached hereto in the "Attachments" tab. Vendor shall certify its agreement that prior to commencement of performance under the awarded contract, it will timely obtain CHRI on covered employees, at its sole expense, by initialing the certification in the vendor questionnaire.
----------------------	---

**48 Criminal Background Acknowledgement and Certification**

Vendor agrees that prior to commencement of performance under the awarded contract, it will timely obtain CHRI on covered employees, at its sole expense, and provide the certifications set out in the Criminal Background Certification form included in the "Attachments" tab.

**Please Note:** Criminal background certification is not required to be executed as part of your Proposal – only agreement to comply is required.

If vendor agrees, please initial.

---

---

---

*(Required: Maximum 1000 characters allowed)*

**49 Fingerprinting for Contractors and Subcontractors (as of Sept 2021)**

The criminal background check requirements for contractors and subcontractors who work at public schools were amended in June 2021. A contractor that provides services to a school district must be fingerprinted before beginning work if the contractor:

- 1. will have continuing duties related to the contracted services, and
- 2. will have the opportunity for direct contact with students.

The requirement does not apply to a contractor that performs construction, alteration, or repair of an instructional facility if the contractor uses separate sanitary facilities, installs a barrier fence, and has a policy that employees may not interact with students or enter areas used by students.

School districts lost access to the criminal history records of individuals who were previously fingerprinted by contractors. If our school district needs to review the criminal history of these individuals, we will need to fingerprint the individuals again.

Who is classified as a contractor that needs to be fingerprinted?

An individual who:

- 1. Is employed or offered employment by a service contractor or a subcontractor of a service contractor, is an individual independent contractor of the school entity, or is an individual subcontractor of a service contractor;
- 2. Has or will have continuing duties related to the contracted services
- 3. Has or will have direct contact with students; and
- 4. Is not a student of the school entity for which the services are performed.

\*If this requirement does not apply, please explain and attach in the attachment section of this solicitation.

Please Select    Requirement Applies-Contractor fingerprints needed

Requirement Does Not Apply    Other - please explain

*(Required: Check only one)*

**50 Solicitation Term**

The term will be for one (1) year ("initial term") plus three (3) additional years. Renewal terms will be contingent upon satisfactory delivery of goods and/or services. Each renewal term shall be at the same contract price/discount established for the initial term unless otherwise approved by EPISD. All intent to terminate notifications for this agreement must be delivered via certified mail to 4900 Woodrow Bean Dr., El Paso TX 79924, Attn: Procurement & School Resources.

**5  
1 Insurance**

Vendor represents that it is able to provide the insurance coverage set out in the attachment "Insurance Limits" of this solicitation, and will provide evidence of such coverage to the District at the time a contract for goods and/or services is executed. Please initial below if vendor complies.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*(Required: Maximum 1000 characters allowed)*

**5  
2 Cone of Silence**

"Cone of Silence" shall mean a prohibition on any communication regarding any request for information (RFI), request for qualification (RFQ), request for proposal (RFP), bid, or other competitive solicitation between:

1. Any person who seeks an award from the District or its affiliated entities including a potential vendor or vendor's representative; and
2. Any Board member, Superintendent, senior staff member, principal, department head, director, manager, or other District employee who has influence in the evaluation or selection process.

The cone of silence shall begin upon the development of the scope of work through the issuance of an RFI, RFP, bid, or other competitive solicitation as defined in state law and shall officially end upon execution of an award by the Board and/or the execution of a negotiated contract, whichever represents the final act in the procurement process.

Regardless of the above time period, it shall not be acceptable for potential vendors to participate in discussions that determine the scope of work, strategic direction, technical specifications, or evaluation criteria of such projects.

The Cone of Silence shall apply to the acquisition of goods or services using the procurement methods identified in state law as well as renewal periods for contracts previously awarded by the Board of Trustees with renewal options.

Campaign contributions, gifts, donations, and any other items of value shall be prohibited between the parties defined above for any known contract under consideration during the cone of silence period.

The cone of silence shall not apply to communication with the District's Legal Services and Procurement Services staff. Such communications shall be limited to the purpose of obtaining clarification or information concerning the subject of solicitation or conducting contract negotiations.

Nothing contained in District policy shall prohibit any potential vendor or vendor's representative from:

1. Making public representations at scheduled pre-bid conferences or scheduled selection and negotiation committee meetings;
2. Engaging in contract negotiations during any scheduled meeting;
3. Making a public presentation to the Board during any duly noticed public meeting; or
4. Conducting business on contracts previously executed and currently in force.

You may view District Policy CHE (LOCAL) by clicking [HERE](#).

Vendor agrees and will comply with Cone of Silence  
*(Required: Check if applicable)*

**5  
3 Solicitation Acceptance**

Please indicate that you have read, understand, agree to, and accept the general terms and conditions, vendor requirements, and specifications contained herein. If you do not agree please provide any deviations in the deviations section of this solicitation.

- Please Select     Read: understand, agree to, and accept  
 Read: do not agree, deviations provided

*(Required: Check only one)*

**5**  
**4** **Code of Federal Regulations (CFR) § 200.321**

Federal regulations state that, "The non-Federal entity must take all necessary affirmative steps to assure that small and minority businesses, women's business enterprises, and labor surplus area firms are used when possible."

Please select the type of Firm

- Small
- Minority
- Woman's Business Enterprise
- Labor Surplus Firm
- None of the Above

*(Required: Check all that apply)*

**5**  
**5** **Financial Capacity/Stability**

Provide a current financial statement for your company (or individually if you are a sole proprietor) and end-of-year financial statements for the past two (2) years. It is preferred that such statements be audited, however if audited financials are not available please submit statements prepared by a third-party preparer.

- Attached in "Response Attachments" Tab
- Not Attached

*(Required: Check all that apply)*

**5**  
**6** **Firearms Certification**

Pursuant to Texas Government Code Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants and covenants to the District that the Vendor:

1. does not have any practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and
2. will not discriminate against a firearm entity or firearm trade association during the term of this Contract.

For purposes of this provision, the terms "firearm entity", "firearm trade association" and "discriminate against a firearm entity or a firearm trade association" shall have the same meaning as set forth in Government Code Section 2274.001 et. seq. Vendor means a for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

- Please Select    Vendor Complies with Certification    Vendor cannot comply

*(Required: Check only one)*

**5**  
**7** **Energy Company Certification**

Pursuant to Texas Government Chapter 2274, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents, warrants, and covenants to the District that the Vendor, within the meaning of Texas Government Code Section 809.001:

1. does not boycott energy companies; and
2. will not boycott energy companies during the term of this Contract

- Please Select    Vendor Complies with Certification    Vendor Does Not Comply with Certification

*(Required: Check only one)*

**58 Israel Certification**

Pursuant to Texas Government Code Chapter 2271, if this Contract is valued at \$100,000 or more and if the Vendor has at least ten (10) full time employees, then the Vendor represents and warrants to the District that the Vendor does not boycott Israel and will not boycott Israel during the term of this Contract. Vendor means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit. Vendor does not include a sole proprietorship.

Please Select  Vendor Complies with Certification  Vendor Does Not Comply with Certification

*(Required: Check only one)*

**59 Addition of Goods/Services**

During the Term of a Contract awarded under this solicitation, additional goods/services not included in the original solicitation list and resulting awarded contract may become necessary and benefit El Paso ISD. Vendor and El Paso ISD agree that the aggregate value of added purchases during each year of the Contract (if renewed) shall not exceed 10% of the estimated total value of the Contract. The total value of the Contract must be agreed upon, and the dollar value listed in the Contract and each renewal term of the Contract (if any). For purposes of this section, the total value of the Contract includes all contracts awarded as a result of the procurement solicitation to all vendors. For the initial Term of a Contract awarded under this solicitation, Vendor and El Paso ISD agree that the total value of the Contract shall be as stated on the award. Additions of new products may be included in the awarded Contract list during the renewal of the Contract through an amendment to the Contract, and the total Contract value adjusted accordingly. For each renewal term of the Contract, the total actual value of the Contract in the preceding year and the additional new product(s) made during that Term will be the basis for determining the maximum dollar amount (not to exceed 10%) of the additional new product(s) that will be allowed during the next Contract renewal term. Material change means a modification that exceeds and/or alters the terms of the original contract between EPISD, and Vendor exceeding 10% of the contract value.

**60 Price Proposal Requirement**

Vendors are required to submit prices in the designated line item section of the solicitation. Vendors may provide additional documentation in the attachment section of this solicitation.

**Please Note: Pricing must be provided by Vendor in accordance with the terms (unit of measure, quantity, etc.) provided in the solicitation. Failure to do so on the part of the Vendor may be reason for the District to deem the response non-responsive and eliminate the Vendor's response from consideration.**

Please Select  Vendor Understands and Has Complied  Vendor Cannot Comply

*(Required: Check only one)*

**61 Failure to Comply**

Failure to provide any of the above required information in your response, may result in disqualification of your response.

## 6 2 Definition of Terms utilized in this Request for Proposal

- The term “committee” is defined as District personnel assigned from various schools and departments to evaluate RFP responses for the purpose of selecting the Vendor(s) who best meets the selection criteria.
- The term “District”, “El Paso ISD” or “EPISD” is defined as the El Paso Independent School District.
- The term “RFP” is a Request for Proposal, a document presented by the El Paso Independent School District to Vendors for the purpose of securing an agreement to provide copiers and related services.
- The terms “Contractor”, “Proposer”, “Vendor” or “Offeror” is defined as the person(s) or organization(s), which are submitting proposals in response to this RFP or to the person(s), or organizations(s) who have been awarded the contract to execute their proposals.
- “Response time” is defined as the duration of time between a District representative requesting service and a certified technician arriving on site.
- “Business day” is defined as the hours between 6:00 a.m. and 5:00 p.m., Monday through Friday.
- “Downtime” is measured from the date/time that the Campus/Department reports that the copier is “down” until the copier is again capable and available to produce quality copies. Telephone logs and/or emails a revalidation of the report that the copier is “down.”
- “Quality Copies” is defined as copies that are centered on the paper and free of smears, black marks/lines, light spots, etc.
- “Uptime” is defined as the amount of time during the business day that the copier is capable of producing copies meeting the quality control standards established by the manufacturer.
- “New Equipment” is defined as equipment completely assembled with and composed of new parts.
- “Remanufactured Equipment” all equipment that does not meet the definition of “New Equipment” as defined in this document.
- “Subcontractor” is defined as person(s) or organization(s), which are not employed by the Vendor submitting proposals in response to this RFP.
- “CPM” is defined as copies per minute
- “Low Volume” is defined as a copier that is designed to run eighteen (18) to twenty (20) cpm “Midrange Volume” is defined as a copier designed to run forty-five (45) to fifty-five (55) cpm “High Volume” is defined as a copier designed to run more than eighty-five (+85) cpm “Very High Volume” is defined as a copier designed to run more than one hundred (+100) cpm

**6** **Bid Protest Procedures**

**3**

The protest shall be submitted in writing during the bid process, when the aggrieved vendor knows or should have known of the factors giving rise to a protest, or within 5 business days after bid due date.

A written formal protest must contain a minimum of the following:

- The bid number and title of bid.
- A specific identification of the statutory or regulatory provision(s) that the purchasing staff member or department is alleged to have violated.
- A specific description of each act alleged to have violated the statutory or regulatory provision(s) identified above.
- A statement of the relevant facts that include timelines and involved parties.
- An identification of the issue or issues that need to be resolved that support the protest.
- Protest should be emailed to the Buyer/Assistant Director responsible for the bid, with subject line stating: Dispute/Protestant Bid/CSP/RFP name and number.

The Executive Director of Procurement and School Resources Department shall:

- Contact the involved department and inform them of the vendor protest.
- Gather information and prepare documentation for the Chief Financial Officer, outlining the solicitation, evaluation and award of the bid/proposal.
- Inform the involved department on the progress and/or outcome of the vendor protest.

If the protest is not resolved by mutual agreement, the Procurement and School Resources Department shall promptly issue a decision in writing. The decision shall consist of the following:

- The reasons for the action taken will be determined and sent to the aggrieved vendor.
- A copy of the decision shall be immediately forwarded to the vendor and any other party intervening.
- All decisions will be based on "best value" for the District.
- A decision shall be final and conclusive.
- All vendor protest documentation shall be filed with Procurement and School Resources in the respective bid file.

**Bid Lines**

**1 Package Header**

Xerox VersaLink B7130 Black & White MFP or Equal

To include:

- Windows, Mac OSX, IOS, Chrome OS (optional)
- Network Printing from either PC or MAC
- Network Scanning
- Scan to File/ Scan to PC Desktop, Scan to e-mail
- One touch scanning for Personalized Scanning
- Collating of Sets
- Adobe Postscript 3, PCL, PDF
- Xerox Standard Accounting
- Duplexing
- Automatic Document Feeder
- Data Security Kit
- Two Paper Trays and Bypass
- Total tray Capacity: 1,150 Sheets standard

Quantity:   1   UOM:  EA  Total: \$  

Supplier Notes: \_\_\_\_\_

\_\_\_\_\_

- No bid
- Alternate specification  
*(Attach separate sheet)*
- Additional notes  
*(Attach separate sheet)*

## Package Items

### 1.1 Monthly Base Charge

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

### 1.2 Additional 1,000 sheet trays (optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

### 1.3 Fax (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

### 1.4 Integrated Finisher (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

### 1.5 Office Finisher (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

### 1.6 Booklet Maker Finisher (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

### 1.7 2/3 Hole Punch (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

**1.8 Wireless (Optional)**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**2 Package Header**

Xerox AltaLink B8155 Black & White MFP or Equal

To include:  
Network Printing from either PC or MAC  
Network Scanning  
Scan to File/ Scan to PC Desktop, Scan to e-mail  
One touch scanning for Personalized Scanning  
Collating of Sets  
Adobe Postscript 3, PCL, PDF  
Xerox Standard Accounting  
Duplexing  
Automatic Document Feeder  
Data Security Kit  
Office Finisher  
4 Paper Trays & Bypass Tray  
Total tray Capacity: 4,700 sheets standard

Quantity:   1   UOM:  EA  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Alternate specification  
*(Attach separate sheet)*
- Additional notes  
*(Attach separate sheet)*

**Package Items**

**2.1 Monthly Base Charge**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**2.2 Fax (Optional)**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**2.3 3 Hole Punch (Optional)**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Additional notes  
*(Attach separate sheet)*

**2.4 Booklet Maker Finisher (Optional)**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Additional notes  
*(Attach separate sheet)*

**2.5 Wireless (Optional)**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Additional notes  
*(Attach separate sheet)*

**3 Package Header**

Xerox AltaLink B8170 Black & White MFP or Equal

To include:

Network Printing from either PC or MAC

Network Scanning

Scan to File/ Scan to PC Desktop, Scan to e-mail

Page 36 of 48 pages Deadline: 4/10/2020 02:00 PM (MT) 20-027 Addendum 3

Type text here

Xerox AltaLink B8170

One touch scanning for Personalized Scanning

Collating of Sets

Adobe Postscript 3, PCL, PDF

Xerox Standard Accounting

Duplexing

Automatic Document Feeder

Data Security Kit

Office Finisher

4 Paper Trays & Bypass Tray

Total tray Capacity: 4,700 sheets standard

Quantity:   1   UOM:   EA   Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Alternate specification  
*(Attach separate sheet)*  
 Additional notes  
*(Attach separate sheet)*

## Package Items

### 3.1 Monthly Base Charge

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid  
 Additional notes  
(Attach separate sheet)

### 3.2 Fax (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid  
 Additional notes  
(Attach separate sheet)

### 3.3 3 Hole Punch (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid  
 Additional notes  
(Attach separate sheet)

### 3.4 Booklet Maker Finisher (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid  
 Additional notes  
(Attach separate sheet)

### 3.5 Wireless (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid  
 Additional notes  
(Attach separate sheet)

### 3.6 4,000 Sheet Tray (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid  
 Additional notes  
(Attach separate sheet)

## 4 Package Header

Xerox PrimeLink B9100 Black & White Light Production MFP or Equal

To include:

Network Printing from either PC or MAC

Network Scanning

Scan to File/ Scan to PC Desktop, Scan to e-mail

One touch scanning for Personalized Scanning  
Collating of Sets  
Adobe Postscript 3, PCL, PDF  
Xerox Standard Accounting  
Duplexing  
Automatic Document Feeder  
Data Security Kit  
Office Finisher with 2/3 Hole Punch  
6 Paper Trays & Bypass Tray  
Total tray Capacity: 8,050 sheets standard  
Windows, Mac OSX, IOS, Chrome OS

Quantity:   1   UOM:  EA  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Alternate specification  
*(Attach separate sheet)*
- Additional notes  
*(Attach separate sheet)*

### Package Items

#### 4.1 Monthly Base Charge

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

#### 4.2 High Compression PDF Kit (optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

#### 4.3 Booklet Finisher (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

#### 4.4 C/Z Folder (Optional)

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

### 5 Package Header

Xerox AltaLink C8100 Color MFP or Equal  
To include:

Network Printing from either PC or MAC  
 Network Scanning  
 Scan to File/ Scan to PC Desktop, Scan to e-mail  
 One touch scanning for Personalized Scanning  
 Collating of Sets  
 Adobe Postscript 3, PCL, PDF  
 Xerox Standard Accounting  
 Page 39 of 48 pages Deadline: 4/10/2020 02:00 PM (MT) 20-027 Addendum 3  
 Xerox AltaLink C8100  
 Duplexing  
 Automatic Document Feeder  
 Data Security Kit  
 4 Paper Trays & Bypass Tray  
 Total tray Capacity: 2,180 sheets standard

Quantity:   1   UOM:   EA   Total: \$

Supplier Notes: \_\_\_\_\_

- No bid
- Alternate specification  
*(Attach separate sheet)*
- Additional notes  
*(Attach separate sheet)*

**Package Items**

**5.1 Monthly Base Charge**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**5.2 Color Cost-per-Copy**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**5.3 Fax (Optional)**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**5.4 Integrated Office Finisher (Optional)**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**5.5 Office Finisher LX (Optional)**

Quantity:   1   UOM:  EA  Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**5.6 Booklet Maker LX (Optional)**

Quantity:   1   UOM:  EA  Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**5.7 2/3 Hole Punch (Optional)**

Quantity:   1   UOM:  EA  Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**5.8 Wireless Kit (Optional)**

Quantity:   1   UOM:  EA  Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**5.9 2,000 Sheet Tray (Optional)**

Quantity:   1   UOM:  EA  Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**6 Package Header**

Xerox AltaLink C8035 or Equal  
35 ppm  
To include:  
Copy, Email, Print, Scan

Quantity:   1   UOM:  EA  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Alternate specification  
*(Attach separate sheet)*
- Additional notes  
*(Attach separate sheet)*

## Package Items

### 6.1 Monthly Base Charge

Quantity:   1   UOM:  EA  Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

### 6.2 Walkup Fax (optional)

Quantity:   1   UOM:  EA  Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

### 6.3 Integrated RFID Card Reader (optional)

Quantity:   1   UOM:  EA  Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

### 6.4 Color- Cost per Copy if applicable

Quantity:   1   UOM:  EA  Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

## 7 Package Header

VersaLink B7030 or Equal  
To include:  
Copy, Email, Print, Scan

Quantity:   1   UOM:  EA  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Alternate specification  
(Attach separate sheet)
- Additional notes  
(Attach separate sheet)

## Package Items

### 7.1 Monthly Base Charge

Quantity:   1   UOM:  EA  Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
(Attach separate sheet)

**7.2 Walkup Fax (optional)**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**7.3 Integrated RFID Card Reader (optional)**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**8 Package Header**

Xerox PrimeLink C9065/C9070 Color Printer or equal

Quantity:   1   UOM:   EA   Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Alternate specification  
*(Attach separate sheet)*
- Additional notes  
*(Attach separate sheet)*

**Package Items**

**8.1 Monthly Base Charge**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**8.2 Color- Cost per Copy if applicable**

Quantity:   1   UOM:   EA   Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**9 Package Header**

Xerox VersaLink B405 or equal  
Fax, Copier, Scanner  
36 ppm  
To include:

Quantity:   1   UOM:   EA   Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Alternate specification

(Attach separate sheet)  
 Additional notes  
(Attach separate sheet)

## Package Items

### 9.1 Monthly Base Charge

Quantity:   1   UOM:   EA   Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Additional notes  
(Attach separate sheet)

### 9.2 Fax (optional)

Quantity:   1   UOM:   EA   Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Additional notes  
(Attach separate sheet)

## 10 Package Header

Xerox Altalink C8045

Quantity:   1   UOM:   EA   Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Alternate specification  
(Attach separate sheet)  
 Additional notes  
(Attach separate sheet)

## Package Items

### 10.1 Monthly Base Charge

Quantity:   1   UOM:   EA   Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Additional notes  
(Attach separate sheet)

### 10.2 Color- Cost per Copy if applicable

Quantity:   1   UOM:   EA   Unit Price:  Total:

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Additional notes  
(Attach separate sheet)

## 11 Package Header

Xerox AltaLink C8145 or equal

To include:  
NETWORK SCANNING

SCAN TO FILE/SCAN TO PC  
COLLATING  
AUTOMATIC DOCUMENT FEEDER DATA SECURITY KIT  
4 PAPER TRAYS & BYPASS TRAY

Quantity:   1   UOM:  EA  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Alternate specification  
*(Attach separate sheet)*
- Additional notes  
*(Attach separate sheet)*

**Package Items**

**11.1 Monthly Base Charge**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**11.2 Fax (optional)**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**11.3 Office Finisher LX (optional)**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**11.4 Booklet Maker LX (optional)**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**11.5 2/3 Hole Punch (optional)**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

- No bid
- Additional notes  
*(Attach separate sheet)*

**11.6 Wireless Kit (optional)**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Additional notes  
*(Attach separate sheet)*

**11.7 2,000 sheet tray (Optional)**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Additional notes  
*(Attach separate sheet)*

**11.8 Color- Cost per Copy if applicable**

Quantity:   1   UOM:  EA  Unit Price: \$  Total: \$

Supplier Notes: \_\_\_\_\_  
\_\_\_\_\_

No bid  
 Additional notes  
*(Attach separate sheet)*





**Board of Trustees**  
**Executive Summary of Board Agenda Item**

**TITLE:**

*Approval of Change Order No. 06 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-037, Project No. 22.513C, for a Non-Compensatory Time Extension of Twenty (20) Calendar Days, to Dantex General Contractors, Inc.*

**JUSTIFICATION STATEMENT:**

(To comply with Board Policy CV (Local) pertaining to change orders to construction contract)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** S.B. Pierson/Ernesto L. Ortiz

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

Prior to this requested Change Order No. 6, the following change orders have been approved:

- Change Order No. 1 – Additional temporary services, extend equipment warranty, storage, and add manpower, due to the re-phasing of selected areas requested by District Administration. Tinajero PK-8 Kitchen and Cafeteria re-roof, in the amount of \$876,088.07, and a time extension of 180 calendar days, approved by the Board on October 17, 2023.
- Change Order No. 2 – Wiggs cafeteria/kitchen modifications to the grease ductwork in the amount of \$218,092.18, approved by the Board on March 19, 2024.
- Change Order No. 3 – Additional work required at the Tinajero PK-8 kitchen and the Jefferson Main Gym, due to unforeseen conditions, and revisions to the duct fabrication at the Jefferson Main Gym spiral duct, due to the structural beam interference in the amount of \$47,374.30, approved by EPISD administration on March 22, 2024.
- Change Order No. 4 – Provide and install transformers to step down the voltage from 480V to 120V at the roof tops of various campuses. Due to the mechanical equipment delivery times, a substitution of equipment brand was approved, in the amount of \$49,511.58, approved by EPISD administration on April 23, 2024.
- Change Order No. 5 – Provide and install demolition activities and new material at Tinajero’s PK-8 cafeteria, main panel replacement at Wiggs MS, lighting, electrical repairs, and wood floor replacement at Bowie HS, ductwork changes at Young Women’s Academy, and new storage cabinets at Wiggs MS in the amount of \$113,204.03, approved by the Board on May 21, 2024.

Approval of these change orders resulted in an increase of \$1,304,270.16 (16.15%) to the project, bringing the original contract amount of \$8,075,043.00 to \$9,379,313.16, and extending the contract by one hundred eighty (180) calendar days. The substantial completion date was extended to June 30, 2024.

On May 28, 2024, the Facilities & Construction Department received Change Order No. 6 from Dantex General Contractors, Inc., for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-037, Project No. 22.513C. The change order consists of a request for an additional twenty (20) calendar days due to unforeseen conditions of the mechanical exhaust duct structure for the new kitchen hood at Wiggs Middle School, and due to the additional testing activities that affected the work at the Kitchen/Cafeteria area, located below the school classrooms.

This change order, if approved, will increase the contract time by twenty (20) calendar days, bringing the contract substantial completion date of June 30, 2024, to July 20, 2024. The Architect of Record, ASA Architects, Inc., is not requesting additional services for this request.

Board Policy CV (Local) requires administration to present any changes for any construction time extensions exceeding thirty (30) calendar days in the aggregate to the Board for approval. The Facilities & Construction Department recommends the Board approve the Change Order in accordance with the following motion (see attached documents).

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve Change Order No. 06, for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-037, Project No. 22.513C, to Dantex General Contractors, Inc., for a non-compensatory time extension of twenty (20) calendar days, bringing the substantial completion to July 20, 2024.

**FUNDING SOURCE:** Budgeted ESSER III Funds **ACCOUNT NO.:** 282.81.6626.sch.24.766.932

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:**
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Upon asapproval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- Change order



**Clear Form**

**CHANGE ORDER CHECK LIST & SUMMARY**

*Prior to completing Change Order Documents for Review and Signature, the following items must be completed by the Project Manager:*

**CHANGE ORDER NUMBER:** 6  
**Project Title:** ESSER HVAC Replacement in High Occupancy Areas **Project No.:** 22.513C  
**Consultant:** ASA Architects, Inc.  
**Gen. Contractor:** Dantex General Contractors, Inc.,  
**Proj. Manager:** Manny Rivera, EIT

- A/E's (Consultant) Letter of Justification to include letter of Change Proposal from Contractor. *Projects with no consultant will not include the letter of justification from A/E Consultant.*
- Contractors Quote sheet, or fixed price estimate from Contractor, Signed and Dated.
- EPISD Change Order Form, with all blanks completed. *Signature block: less than \$50k Admin Authority; \$50k above Superintendent.*
- EPISD Board Executive Summary and Project Fact Sheet **if Applicable.**

Original Contract Amount	\$ 8,075,043.00	
Amount of previous approved change orders	\$ 1,304,270.16	16.15 %
This change order amount > \$50,000 Board Approval > 15% of original contract Board Approval	\$ 0.00	0.00 %
Total Change Orders to date	\$ 1,304,270.16	16.15 %
<b>New Contract Amount \$ 9,379,313.16</b>		

**Once a total of 30 days are reached change orders will require Board approval for all additional days.**

Total of previously approved time extension	180	calendar days
Time extension requested per this change order	20	calendar days
Total Days	200	calendar days

**Change Initiated by:**

- Owner Initiated
- Contractor initiated
- Consultant initiated

**Reason:**

- Unforeseen Conditions
- Authorities Having Jurisdiction/Utilities
- Errors and Omissions
- Owner Requested Change

**Description Summary:**

The Facilities & Construction Department received on May 28, 2024, Change Order No. 6 from Dantex General Contractors, Inc. ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-037, Project No, 22.513C. The change order consists of a request for an additional Twenty (20) days time extension due the schools testing dates and to a series of unforeseen conditions affecting work not included in the original scope of work that was approved previously. At Wiggs MS Kitchen/Cafeteria work area, the reason for this time extension request, is located below the schools classrooms. Testing dates affected work progress in this portion of the campus, due to the location of the work. Work such as installation of duct work that passes through classrooms from the roof to the Kitchen /Cafeteria as needed but due to testing dates work could not proceed, so the schools testing was not affected. (Contractor initiated - Owner Requested change)

Review/Approval of Executive Director: \_\_\_\_\_



# FACILITIES & CONSTRUCTION

EL PASO ISD  
it starts **with us**

# Change Order

PROJECT NAME: ESSER HVAC Replacement in High Occupancy Areas

CHANGE ORDER NUMBER: 6

EPISD PROJECT NO.: 22.513C

DATE: 05/28/24

TO CONTRACTOR:  
(name, address) Dantex General Contractors, Inc.  
4727 Osborne Drive  
El Paso, Texas, 79922

CONTRACT DATE: 03/13/23

The Contract is changed as follows (indicate Consultant or Owner initiated):

The Facilities & Construction Department received on May 28, 2024, Change Order No. 6 from Dantex General Contractors, Inc. ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-037, Project No, 22.513C. The change order consists of a request for an additional Twenty (20) days time extension due the schools testing dates and to a series of unforeseen conditions affecting work not included in the original scope of work that was approved previously. At Wiggs MS Kitchen/Cafeteria work area, the reason for this time extension request, is located below the schools classrooms. Testing dates affected work progress in this portion of the campus, due to the location of the work. Work such as installation of duct work that passes through classrooms from the roof to the Kitchen /Cafeteria as needed but due to testing dates work could not proceed, so the schools testing was not affected.

Contract time increase by 20 days.

### NOT VALID UNTIL SIGNED BY THE OWNER, CONSULTANT AND CONTRACTOR

The original Contract Sum ( <del>Guaranteed Maximum Price</del> ) was.....	\$8,075,043.00
Net change by previously authorized Change Orders.....	\$1,304,270.16
The Contract Sum ( <del>Guaranteed Maximum Price</del> ) prior to this Change Order was.....	\$9,379,313.16
The Contract Sum ( <del>Guaranteed Maximum Price</del> ) will be (increased) (decreased) (unchanged) by this Change Order in the amount of .....	\$0.00
The new Contract Sum ( <del>Guaranteed Maximum Price</del> ) including this Change Order will be.....	\$9,379,313.16
The Contract Time will be (increased) (decreased) (unchanged) by	( 20 ) days
As of the date of this Change Order, Substantial Completion is due by	07/20/24

ASA Architects  
CONSULTANT  
519 E. Rio Grande El Paso TX 79902  
Address

Dantex General Contractors, Inc.  
CONTRACTOR  
4727 Osborne Dr. El Paso, TX, 79922  
Address

El Paso Independent School District  
OWNER  
1100 N. Stanton, El Paso, Texas 79902  
Address

BY Genaro R. Mier, AIA

BY Tyler Daniels, President

BY Diana Sayavedra, Superintendent

DATE 5-28-2024

DATE 5/28/24

DATE

May 28, 2024

El Paso Independent School District  
1100 N. Stanton St.  
El Paso, Texas 79902

Attn:  
Jesus Manny Rivera Jr., EIT, MSCE  
Project Manager - Construction  
EPID Facilities & Construction Department

Ref: **ESSER HVAC Replacement in High Occupancy Areas  
of Middle Schools and High Schools (Group 3)  
Project No. 22.513C  
Change Order #006 – Time Extension Request.**

Dear Mrs. Rivra,

Dantex General Contractors are requesting a 20-working-day time extension to the contract construction time for substantial completion at Wiggs Middle School. This extension is necessary due to unforeseen conditions and testing activities that will prevent the contractor from meeting the scheduled substantial completion deadline. Notably, the time extension request includes time for addressing unforeseen conditions previously covered by Change Orders #003 and #005, for which no additional time was requested as no rigorous testing activities were initially anticipated.

Requested days are identified as follows:

February: 16, 17, 19, 20, 21, 22, 23, 28 & 29.  
Marc: 01, 18, 19, 20, 21, 22, 25, 26, 27 & 28  
April: 15, 16, 17, 22, 23 & 24  
May: 14, 16, 21 & 23

ASA Architects recommends approving the request for an additional 20 working days to the construction contract time. We will not require any additional services or fees in relation to this change order.

Sincerely



Genaro R. Mier, AIA  
Vice-President  
ASA Architects



# DANTEX



## General Contractors

---

4727 Osborne Drive • El Paso, Texas 79922 • 915-584-9300

---

May 28, 2024

El Paso Independent School District  
Facilities and Construction  
1100 N Stanton, 8<sup>th</sup> Floor  
El Paso, Texas 79902  
(915) 230.2311  
Attn: Jesus Manuel Rivera

ASA Architects  
519 E Rio Grande  
El Paso, Texas, 79902  
(915) 544.4887  
Attn: Genaro Mier

ESSER Group 3, Wiggs Middle School

Mr. Rivera,

We are requesting an additional 20 days to be added to the current contract time for substantial completion of this campus.

At Wiggs Middle School campus, due to testing activities we have been prevented to work for work at the cafeteria/kitchen building (separate building) for 29 working days (not calendar days), dates as follows:

February '24	19, 20, 21, 22, 23, 16, 17, 28 and 29.
March '24	01, 18, 19, 20, 21, 22, 25, 26, 27 and 28
April '24	15, 16, 17, 22, 23, and 24
May '24	14, 16, 21 and 23
Total Days	29 Days

At this campus the work area is below and above occupied classrooms where testing was being conducted, therefore all construction activities were ceased.

In the early part of December 2023, during regular construction activities, a series of unforeseen conditions required work not originally included in the contract, due to unforeseen structural conditions the mechanical exhaust duct for the new kitchen hood, needed to be modified, modifications required coordination with the AHJ (city inspector). A revised kitchen exhaust drawing set was issued on 12/15/23 for city approval, drawings were approved on 1/15/24, request for proposal was created for the revised HVAC duct system and submitted for approval 2/08/24.

The cost proposal in the amount of \$156,786.92 was approved during the regular Bord of Trustees meeting dated 3/20/24.

The new HVAC equipment and curbs were available and with only the stainless-steel duct having a lead time of 60 days for the sections to be delivered, but due to testing conditions at the school, work could not resume in this area until testing was concluded.

All areas scheduled for HVAC retrofit have been impacted and prevented from construction due to the student testing activities, but work in the kitchen area, specifically all items related to the stainless-steel ductwork and curbs/equipment for the kitchen exhaust have been at a stop since 12/15/23 pending new system design, approval of cost proposal, material fabrication and delivery.

The ordered sections of stainless-steel duct were delivered 5/20/24, with all equipment on site, the installation time to complete the kitchen work is as follows:

- 14 Duct fabrication and installation (all section welded at site)
- 5 Duct testing
- 2 Duct inspection
- 2 Exhaust system completion
- 2 electrical Inspections
- 2 overhead inspections
- 15 ceiling grid and lightings installation
- 7 Exhaust Ansul and alarm system
- 7 City inspections

The current substantial completion date for ESSER Group 3 is 6/30/24.

We are requesting an additional 20 calendar days to allow for the new HVAC system to be operational at Wiggs Middle School, Substantial completion of 7/20/24.

Should you have questions or require any additional information please do not hesitate and contact me at your earliest convenience.

Regards,

*Hector Olave*

Hector Olave  
Project Manager  
Dantex General Contractors, Inc.

File  
Tyler Daniels, President

**Board of Trustees**

**Executive Summary of Board Agenda Item**

**TITLE:**

*Approval of Change Order No. 07 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-038, Project No. 22.513C, in the Amount of \$106,624.00 and a Time Extension of Fourteen (14) Calendar Days, to Dantex General Contractors, Inc. (Budgeted ESSER III Funds - \$106,624.00)*

**JUSTIFICATION STATEMENT:**

(To comply with Board Policy CV (Local) pertaining to change orders to construction contracts)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** S. B. Pierson, Chief Operations Officer

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

Prior to this requested Change Order No. 7, the following change orders have been approved (or are under the approval process):

- Change Order No. 1 – Additional temporary services, extend equipment warranty, storage, and add manpower, due to the re-phasing of selected areas requested by District Administration. Tinajero PK-8 Kitchen and Cafeteria re-roof, in the amount of \$876,088.07, and a time extension of 180 calendar days, approved by the Board on October 17, 2023.
- Change Order No. 2 – Wiggs cafeteria/kitchen modifications to the grease ductwork in the amount of \$218,092.18, approved by the Board on March 19, 2024.
- Change Order No. 3 – Additional work required at the Tinajero PK-8 kitchen and the Jefferson Main Gym, due to unforeseen conditions, and revisions to the duct fabrication at the Jefferson Main Gym spiral duct, due to the structural beam interference in the amount of \$47,374.30, approved by EPISD administration on March 22, 2024.
- Change Order No. 4 – Provide and install transformers to step down the voltage from 480V to 120V at the roof tops of various campuses. Due to the mechanical equipment delivery times, a substitution of equipment brand was approved, in the amount of \$49,511.58, approved by EPISD administration on April 23, 2024.
- Change Order No. 5 – Provide and install demolition activities and new material at Tinajero's PK-8 cafeteria, main panel replacement at Wiggs MS, lighting, electrical repairs, and wood floor replacement at Bowie HS, ductwork changes at Young Women's Academy, and new storage cabinets at Wiggs MS in the amount of \$113,204.03, approved by the Board on May 21, 2024.
- Change Order No. 6 – Additional request for an additional twenty (20) calendar days, due to unforeseen conditions of the mechanical exhaust duct structure for the new kitchen hood at Wiggs Middle School, and to the additional testing activities that affected the work at the Kitchen/Cafeteria area, located below the school classrooms, *pending Board approval on June 20, 2024.*

Approval of these change orders resulted in an increase of \$1,304,270.16 (16.15%), to the project bringing the original contract amount of \$8,075,043.00 to \$9,379,313.16, and extending the contract by two hundred (200) calendar days, if the Board approves Change Order No. 6. The substantial completion date will be extended to July 20, 2024.

On June 10, 2024, the Facilities & Construction Department received Change Order No. 7 from Dantex General Contractors, Inc., for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-037, Project No. 22.513C. The change order consists of additional electrical testing, material and labor to accommodate the new electrical poles and transformers being installed by the El Paso Electric Company necessary to support the new HVAC units installed for El Paso HS Main Gym and Auxiliary Gym, in the amount of \$106,624.00, and a time extension of fourteen (14) calendar days. The El Paso Electric Company requires the existing service to be modified for the new HVAC equipment. The general contractor will provide provisions to have temporary power to the units at Main & Auxiliary Gym and continue with the start-up of the systems, until the El Paso Electric Company completes the installation of the electrical poles and transformer.

The change order, if approved, will increase the contract sum by \$106,624.00, bringing the contract amount of \$9,379,313.16 to

\$9,485,937.16 and extending the contract time by fourteen (14) calendar days, bringing the contract substantial completion date of July 20, 2024, to August 3, 2024. The Architect of Record, ASA Architects, Inc., is not requesting additional services for this request.

Board Policy CV (Local) requires administration to present any changes for any construction time extensions exceeding thirty (30) calendar days in the aggregate to the Board for approval. The Facilities & Construction Department recommends the Board approve the Change Order in accordance with the following motion (see attached documents).

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve Change Order No. 07, for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-037, Project No. 22.513C, to Dantex General Contractors, Inc., in the amount of \$106,624.00, bringing the new contract amount to \$9,485,937.16, and a time extension of fourteen (14) calendar days, bringing the substantial completion to August 3, 2024.

**FUNDING SOURCE:** Budgeted ESSER III Funds **ACCOUNT NO.:** 282.81.6626.sch.24.766.932

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$106,624.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Upon approval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

- |   | Description  |
|---|--------------|
| □ | Change order |



CHANGE ORDER CHECK LIST & SUMMARY

Prior to completing Change Order Documents for Review and Signature, the following items must be completed by the Project Manager:

CHANGE ORDER NUMBER: 7

Project Title: ESSER HVAC Replacement in High Occupancy Areas Project No.: 22.513C

Consultant: ASA Architects, Inc.

Gen. Contractor: Dantex General Contractors, Inc.

Proj. Manager: Manny Rivera, EIT

- Checkboxes for A/E's Letter of Justification, Contractors Quote sheet, EPISD Change Order Form, and EPISD Board Executive Summary.

Table with 4 columns: Description, Amount, Percentage, and Unit. Rows include Original Contract Amount, previous change orders, this change order, and Total Change Orders to date.

Once a total of 30 days are reached change orders will require Board approval for all additional days.

Table with 3 columns: Description, Days, and Unit. Rows include Total of previously approved time extension, Time extension requested per this change order, and Total Days.

Change Initiated by:

- Radio buttons for Owner Initiated, Contractor initiated, and Consultant initiated.

Reason:

- Radio buttons for Unforeseen Conditions, Authorities Having Jurisdiction/Utilities, Errors and Omissions, and Owner Requested Change.

Description Summary:

The Facilities & Construction Department received on June 10, 2024, Change Order No. 7 from Dantex General Contractors, Inc. ESSER HVAC Replacement in High Occupancy Areas. The change order consists of additional testing, material and labor to accommodate the new electrical design of new poles and transformers installed by the El Paso Electric Company to supply the required power for the El Paso HS Main and Auxiliary gyms as part of the ESSER project.

Review/Approval of Executive Director:

Handwritten signature in blue ink.



**FACILITIES & CONSTRUCTION**

EL PASO ISD  
it starts **with us**

# Change Order

**PROJECT NAME:** ESSER HVAC Replacement in High Occupancy Areas

**CHANGE ORDER NUMBER:** 7

**EPISD PROJECT NO.:** 22.513C

**DATE:** 06/10/24

**TO CONTRACTOR:**  
(name, address) Dantex General Contractors, Inc.  
4727 Osborne Drive  
El Paso, Texas, 79922

**CONTRACT DATE:** 03/13/23

The Contract is changed as follows (indicate Consultant or Owner initiated):

The Facilities & Construction Department received on June 10, 2024, Change Order No. 7 from Dantex General Contractors, Inc. ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 3), CSP #23-037, Project No, 22.513C. The change order consists of additional testing, material and labor to accommodate the new electrical design of new poles and transformers installed by the El Paso Electric Company to supply the required power for the El Paso HS Main and Auxiliary gyms as part of the ESSER project. The existing service will be modified to the El Paso Electric Company requirements, new equipment is being expedited and provisions will be made to provide temporary power to the units at Main & Auxiliary Gym and continue with start-up of the systems. This new design will provide the necessary power to support the new HVAC units installed for El Paso HS Main Gym and Auxiliary Gym in the amount of \$106,624.00 and a time extension of fourteen (14) calendar days (Owner initiated – Authorities Having Jurisdiction/Utilities).

Contract amount increase by \$106,624.00 and a time increase by 14 days.

**NOT VALID UNTIL SIGNED BY THE OWNER, CONSULTANT AND CONTRACTOR**

The original Contract Sum ( <del>Guaranteed Maximum Price</del> ) was.....	\$8,075,043.00
Net change by previously authorized Change Orders..... If CO#6 is approved by the Board on 6/20/24.	\$1,304,270.16
The Contract Sum ( <del>Guaranteed Maximum Price</del> ) prior to this Change Order was.....	\$9,379,313.16
The Contract Sum ( <del>Guaranteed Maximum Price</del> ) will be (increased) ( <del>decreased</del> ) ( <del>unchanged</del> ) by this Change Order in the amount of .....	\$106,624.00
The new Contract Sum ( <del>Guaranteed Maximum Price</del> ) including this Change Order will be.....	\$9,485,937.16
The Contract Time will be (increased) ( <del>decreased</del> ) ( <del>unchanged</del> ) by	( 14 ) days
As of the date of this Change Order, Substantial Completion is due by	08/03/24

ASA Architects  
CONSULTANT  
519 E. Rio Grande El Paso TX 79902  
Address

Dantex General Contractors, Inc.  
CONTRACTOR  
4727 Osborne Dr. El Paso, TX, 79922  
Address

El Paso Independent School District  
OWNER  
1100 N. Stanton, El Paso, Texas 79902  
Address

BY Genaro R. Mier, AIA

BY

BY Diana Sayavedra, Superintendent

DATE 6-10-2024

DATE 6-10-24

DATE

June 10, 2024

El Paso Independent School District  
1100 N. Stanton St.  
El Paso, Texas 79902

Attn:  
Jesus Manny Rivera Jr., EIT, MSCE  
Project Manager - Construction  
EPID Facilities & Construction Department

Ref: **ESSER HVAC Replacement in High Occupancy Areas  
of Middle Schools and High Schools (Group 3)  
Project No. 22.513C  
Change Order #007 – El Paso H.S. New Electrical Service.**

Dear Mrs. Rivera,

We are pleased to submit a cost proposal from Dantex General Contractors in the amount of \$106,624.00, representing the worst-case scenario amount, for the installation of new electrical services at El Paso High School. This proposal is based on the on-site meeting held on June 7, 2024, attended by representatives from El Paso Electric, El Paso ISD, Alpha Engineering, and Millennium Electrical contractors were present to review the requirements from El Paso Electric Company to expedite the new electrical service to both Main and Auxiliary Gyms. (Owner initiated – Authorities Having Jurisdiction/Utilities)

The cost proposal includes the provision of temporary power to the new HVAC equipment and the start-up of all systems at the Main Gym, to be completed before August 3, 2024, as per the deadline set by El Paso Electric Company. Dantex General Contractors are requesting an extension of 14 calendar days to complete this work.

ASA Architects recommends approval of this change order, including the additional 14 working days, to the construction contract time. Dantex General Contractors will subsequently provide a revised cost proposal reflecting the actual cost of the required scope of work. Please note that ASA Architects will not require any additional services or fees related to this change order.

Thank you for your attention to this matter.

Sincerely



Genaro R. Mier, AIA

Vice-President  
ASA Architects



# Dantex General Contractors

## CHANGE ORDER REQUEST NO. 020

4727 Osborne  
El Paso, Texas 79922

**Phone:** (915) 584-9300  
**Fax:** (915) 833-0253

**TITLE:** ESSER Group #03 El Paso High New Electrical Service

**DATE:** 5/10/24

**PROJECT:** CSP 23-035 Project No. 22.513A

**DX JOB:** 1318

**TO:** ASA Architects  
519 Rio Grande  
El Paso, Texas 79902

**DESCRIPTION OF PROPOSAL:**

As per EPISD, provide new electrical service installation as per on site meeting on 5/07/24 with EPECo, EPISD, Alpha Engineering, and Millennium Electrical Contractors.

The existing service will be modified to new EPECo requirements, equipment is being expedited and provisions will be made to provide temporary power to the units at Main Gym and continue with start-up of the systems before 8/03/24, new date for EPECo. to provide permanent power for the Main and Aux Gyms

The additional work requires an additional 14 calendar days added to the current contract time, new substantial completion 8/03/24

Item	Description	Unit Measure	Unit Cost	Quantity	Material	Labor	Net Amount
001	Additional electrical work for new service connection, including temp. power to start up	lot		1	\$ 38,000.00	\$ 45,000.00	\$83,000.00
002	Additional work top conduct equip startup in phases with temp power	lot		1		\$ 17,845.55	\$17,845.55
					subtotal		\$100,845.55
004	General Liability	LS	0.2800%	1			\$282.37
005	Builders Risk	LS	0.4500%	1			\$453.80
006	P & P Bond	LS	1.0000%	1			\$1,008.46
					Subtotal		\$1,744.63
	<b>Description</b>				<b>Percent</b>		<b>Amount</b>
	Overhead & Profit				4%		\$4,033.82
	Sales Tax				N/A		
					<b>Total Cost</b>		<b>\$106,624.00</b>

By: Hector Olave  
Hector Olave / Dantex General Contractors

By: \_\_\_\_\_

Date: 5/10/2024

Date: \_\_\_\_\_

Millennium Contracting Services, Inc.

3669 Mark Jason Drive  
 El Paso TX 79938

# Estimate

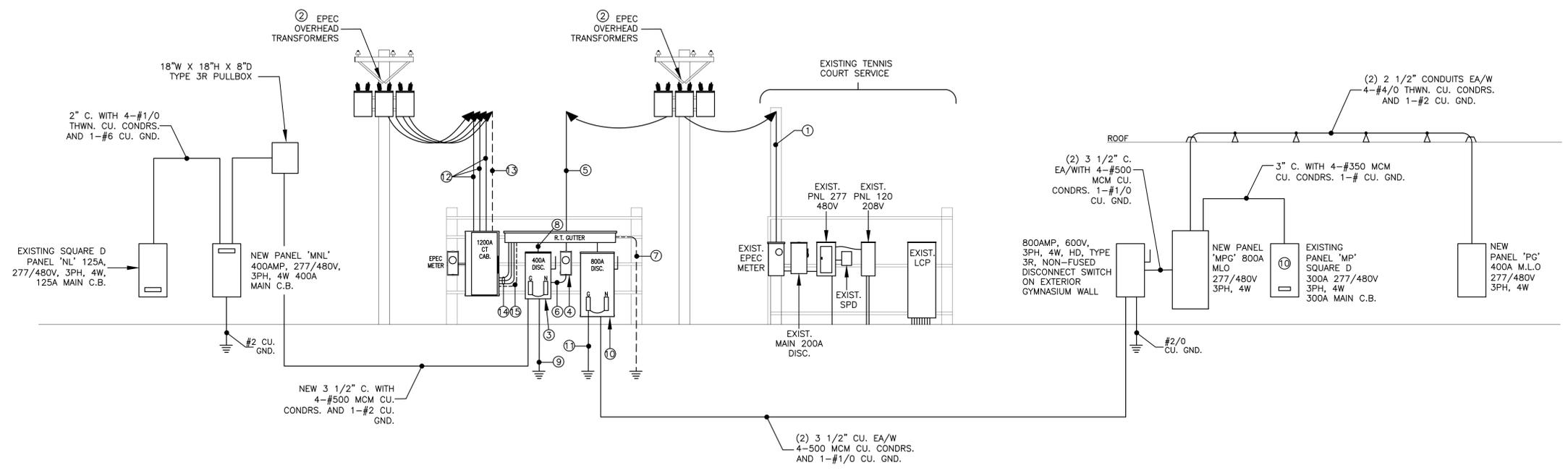
Date	Estimate #
6/10/2024	2024-1116

Name / Address
Dantex Construction Company 4727 Osborne El Paso, Texas 79922

Project
ESSER Group 3

Item	Description	Qty	Rate	Amount	MARKUP	Total
	El Paso High School Electrical Service Demo Existing 1200A Electrical Service Install New Conduit and wire #500 For a 400A and 800A Service And Install Temp Power for Generator					
Electrical`	Materials	1	29,000.00	29,000.00		29,000.00
Electrical`	LaborJourney	1	36,000.00	36,000.00		36,000.00
Electrical`	Temp Connections to Generator	1	18,000.00	18,000.00		18,000.00
	Demolish Existing 1200A Service Install New 400A Meter and new Conduit w/#500					
				<b>Total</b>		\$83,000.00





**REVISED ELECTRICAL RISER DIAGRAM**

NTS

SERVICE LOAD CALCULATIONS MAIN 800A DISCONNECT	
	LOAD (A)
NEW PANEL 'MPG'	787
TOTAL 787 AMPS	

USE (3) SETS OF 3" CONDUITS EACH WITH 4-#350 MCM CU. CONDRS. AND 1-#2/0 CU. SERVICE GROUND.

SERVICE LOAD CALCULATIONS MAIN 400A DISCONNECT	
	LOAD (A)
NEW PANEL 'MNL'	231
TOTAL 231	

USE (1) SETS OF 3" CONDUIT EACH WITH 4-#500 MCM CU. CONDRS. AND 1-#1/0 CU. SERVICE GROUND.

PANELBOARD SCHEDULE -- ALTERNATE #1									
PANELBOARD "MNL"; 277/480V, 3 PHASE, 4 WIRE, 400A, 400A MAIN C.B. SURFACE MOUNTED, COPPER BUS, DOOR-WITHIN-DOOR, 14 KAIC									
LOAD SERVED	CKT. NO.	BREAKER AMPS, POLE	PHASE A B C	BREAKER AMPS, POLE	CKT. NO.	LOAD SERVED			
ACU-8A	1	50		50	2	ACU-8B			
460V, 3PH	3	3		3	4	460V, 3PH			
41MCA	5	3		3	6	41MCA			
ACU-8C	7	50		50	8	ACU-8D			
460V, 3PH	9	3		3	10	460V, 3PH			
41MCA	11	3		3	12	41MCA			
ACU-9	13	15		---	14	SPACE			
460V, 3PH	15	3		---	16	SPACE			
12MCA	17	3		---	18	SPACE			
PANEL NL	19	125		---	20	SPACE			
	21	3		---	22	SPACE			
	23	3		---	24	SPACE			
SPACE	25	---		---	26	SPACE			
SPACE	27	---		---	28	SPACE			
SPACE	29	---		---	30	SPACE			
SPACE	31	---		---	32	SPACE			
SPACE	33	---		---	34	SPACE			
SPACE	35	---		---	36	SPACE			
SPACE	37	---		---	38	SPACE			
SPACE	39	---		---	40	SPACE			
SPACE	41	---		---	42	SPACE			

PANELBOARD "MNL" LOAD CALCULATIONS	
	LOAD (VA)
ACU-8 (X4)	136,284
ACU-9	9,972
PANEL NL	45,705
SUBTOTAL 191,961 VA	
ACU-8 @25%	8,518
TOTAL 200,479 VA	

I = 200,479 VA / (480V)(1.73) = 241 AMPS  
 400AMP, 277/480V, 3 PH., 4W PANEL 'PG' FED FROM A 400A MAIN DISCONNECT FUSED AT 400AMPS  
 USE A 3 1/2" CONDUIT WITH 4-#500 MCM CU. CONDRS. 1-#2 CU. CONDRS. FOR EQUIPMENT GND.

**KEYED NOTES:**

- EXISTING TENNIS COURT ELECTRICAL SERVICE TO BE RECONNECTED TO NEW EPEC TRANSFORMER. COORDINATE WITH EPEC AS SOON AS CONTRACT IS LET.
- COORDINATE WITH EPEC FOR THE INSTALLATION OF THE NEW OVERHEAD BANK OF TRANSFORMERS.
- 400AMP, 600V, 3PH, 4W, HD, TYPE 3R, DISCONNECT SWITCH FUSED AT 400AMPS TO BE FED FROM NEW EPEC OVERHEAD TRANSFORMER AS SHOWN.
- PROVIDE AND INSTALL A NEW METER BASE BEHIND 400 AMP DISCONNECT SWITCH WITH NEW RISER AS SHOWN. METER BASE IS SHOWN IN FRONT VIEW FOR ILLUSTRATION ONLY. HOWEVER, METER BASE AND NEW RISER MUST BE INSTALLED IN THE BACK SIDE OF 400AMP DISCONNECT.
- PROVIDE AND INSTALL A 3" CONDUIT WITH 4-#500 MCM CU CONDRS.
- PROVIDE AND INSTALL A 3" CONDUIT WITH 4-#500 MCM CU CONDRS AND 1-#1/0 CU SUPPLY SIDE BONDING.
- REMOVE EXISTING GROUNDING ELECTRODE SYSTEM.
- REMOVE CONDUIT AND CONDUCTOR FROM GUTTER TO 400AMP DISCONNECT. CAP CONDUIT PENETRATIONS.
- PROVIDE AND INSTALL A #1/0 GROUNDING ELECTRODE SYSTEM IN A 1" CONDUIT. INSTALL MAIN BONDING JUMPER SAME SIZE AS GROUNDING ELECTRODE CONDUCTOR.
- 800AMP, 600V, 3PH, 4W, HD, TYPE 3R, DISCONNECT SWITCH FUSED AT 800AMPS FOR POWER TO REMAIN AS IS.
- PROVIDE AND INSTALL A #2/0 GROUNDING ELECTRODE SYSTEM IN A 1" CONDUIT. INSTALL MAIN BONDING JUMPER SAME SIZE AS GROUNDING ELECTRODE CONDUCTOR.
- THREE OF THE FOUR 3" CONDUIT RISERS WITH 4-#350 MCM CU CONDRS TO REMAIN FOR POWER TO THE 800AMP DISCONNECT SWITCH.
- REMOVE ONE OF THE 3" CONDUIT RISERS WITH 4-#350 MCM CU CONDRS.
- THREE OF THE FOUR 3" CONDUIT RISERS WITH 4-#350 MCM CU CONDRS AND 1-#3/0 CU GND TO REMAIN FOR POWER TO THE 800AMP DISCONNECT SWITCH.

**ASA ARCHITECTS**

519 E. Rio Grande  
 El Paso, TX 79902  
 P 915.544.4687 F 915.544.4869  
 www.asa-architects.com

**22.513 C - EPISD ESSER HVAC Upgrades (Group 3)**

for: **El Paso Independent School District**

800 E Schuster Ave, El Paso, TX 79902

MARK	DATE	DESCRIPTION
		10-28-2022

PROJECT No.: 22104E  
 CAD DWG FILE: ELECT REV2.DWG  
 DRAWN BY: A.E.  
 CHECKED BY: F.O./F.P.

SHEET TITLE:  
**ALTERNATE #1  
 REVISED  
 RISER  
 DIAGRAM**

SHEET NO.:  
**E6.0R**

06-10-2024  
**PRELIMINARY**  
 NOT FOR CONSTRUCTION  
**ALPHA ENGINEERING, INC.**  
 ENGINEERING CONSULTANTS

1818 E. RIO GRANDE • EL PASO, TEXAS 79902  
 TEL. (915) 838-9900 • FAX. (915) 838-9909  
 REGISTRATION # F052336



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

**TITLE:**

*Approval of Change Order No. 08 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 4), CSP #23-038, Project No. 22.513D, for a Non-Compensatory Time Extension of Thirty (30) Calendar Days, to Dantex General Contractors, Inc.*

**JUSTIFICATION STATEMENT:**

(To comply with Board Policy CV (Local) pertaining to change orders to construction contracts)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** S.B. Pierson/Ernesto L. Ortiz

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

Prior to this requested Change Order No. 8, the following change orders have been processed:

- Change Order No. 1 – Remaining temporary services, equipment warranty extension, manpower, and additional storage, due to the re-phasing of selected areas as requested by District Administration, in the amount of \$721,761.39, and one hundred twenty-five (125) calendar day time extension, approved by the Board on December 19, 2023.
- Change Order No. 2 – Not Approved.
- Change Order No. 3 – Additional HVAC, electrical, demolition and new ceiling installation in the amount of \$332,123.72, approved by the Board on March 19, 2024.
- Change Order No. 4 – Additional power requirements for Coronado Aux Gym and side discharge curbs at Brown in the amount of \$48,744.22, approved by EPISD administration on March 19, 2024.
- Change Order No. 5 – Replacement of all sprinkler heads inside the kitchen/cafeteria at Franklin HS, due to unforeseen conditions in the amount of \$48,761.10, approved by EPISD administration on March 22, 2024.
- Change Order No. 6 – Provide HVAC demolition to locker and main aux gym at Franklin HS, in the amount of \$44,898.89, approved by EPISD administration on April 26, 2024.
- Change Order No. 7 – Provide additional electrical and HVAC at Brown MS, additional demolition at Coronado HS, and supply and install acoustical ceiling tile at Franklin HS in the amount of \$88,166.19, approved by the Board on May 21, 2024.

Approval of these change orders resulted in an increase of \$1,284,455.51 (14.95%) to the project, bringing the original contract amount of \$8,591,084.00 to \$9,875,539.51, and extending the contract by one hundred twenty five (125) calendar days. The substantial completion date was extended to June 30, 2024.

On May 28, 2024, the Facilities & Construction Department received Change Order No. 08 from Dantex General Contractors, Inc., for CSP No. 23-038, Project No. 22.513D, ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 4). The change order consists of a request for an additional thirty (30) calendar day time extension for the completion of the installation, start up, and inspections of the added equipment approved on March 19, 2024 (Change Order No. 3) for the Franklin HS 9th Grade Center. The coordination of the equipment and potential time extension was discussed with the EPISD Project Manager but the contractor could not define the number of days of the time extension until the contractor received the equipment from the manufacturer on May 21, 2024. The impact to the schedule resulted in an additional thirty (30) calendar days, taking into account concurrent construction activities.

The change order, if approved, will increase the contract time by thirty (30) days, bringing the contract substantial completion date to July 30, 2024. The Architect of Record, MNK Architects, is not requesting additional services for this request.

Board Policy CV (Local) requires administration to present any changes for any construction time extensions exceeding thirty (30)

calendar days in the aggregate to the Board for approval. The Facilities & Construction Department recommends the Board approve the Change Order in accordance with the following motion (see attached documents).

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve Change Order No. 08, for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 4), CSP No. 23-038, Project No. 22.513D, to Dantex General Contractors, Inc., for a non-compensatory time extension of thirty (30) calendar days, bringing the substantial completion date to July 30, 2024.

**FUNDING SOURCE:** ESSER III Funds **ACCOUNT NO.:** 282.81.6626.sch.24.766.932

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Upon approval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

- Description
- ▢ Change order



CHANGE ORDER CHECK LIST & SUMMARY

Prior to completing Change Order Documents for Review and Signature, the following items must be completed by the Project Manager:

CHANGE ORDER NUMBER: 8

Project Title: ESSER HVAC G4 Replacement High Occupancy Area Project No.: 22.513D

Consultant: MNK Architects

Gen. Contractor: Dantex General Contractors, Inc.

Proj. Manager: Manny Rivera EIT

- Checkboxes for A/E's Letter of Justification, Contractors Quote sheet, EPISD Change Order Form, and EPISD Board Executive Summary.

Table with 3 columns: Description, Amount, and Percentage. Rows include Original Contract Amount, previous change orders, and Total Change Orders to date.

Once a total of 30 days are reached change orders will require Board approval for all additional days.

Table with 3 columns: Description, Days, and Unit. Rows include previously approved time extension, requested extension, and Total Days.

Change Initiated by:

- Radio buttons for Owner Initiated, Contractor initiated, and Consultant initiated.

Reason:

- Radio buttons for Unforeseen Conditions, Authorities Having Jurisdiction/Utilities, Errors and Omissions, and Owner Requested Change.

Description Summary:

Dantex General Contractors, Inc are requesting an additional 30 days to be added to the current contract time for the ESSER Group 4 Project – Franklin 9th Grade campus. The request for additional time is for the additional work, approved of by EPISD on 03/19/2024 for added HVAC Equipment, electrical , structural, and new finishes needed for the project site, to be fully installed and operational. The equipment was delivered to the site on May 21, 2024. The request for additional time is only for the completion of the installation, start up, and inspections for the added equipment (Contractor initiated - Owner Requested change).

Review/Approval of Executive Director: [Signature]



**FACILITIES & CONSTRUCTION**

EL PASO ISD  
it starts with us

# Change Order

PROJECT NAME: ESSER HVAC G4 Replacement High Occupancy

CHANGE ORDER NUMBER: 8

EPISD PROJECT NO.: 22.513D

DATE: 05/28/24

TO CONTRACTOR:  
(name, address) Dantex General Contractors, Inc.  
4727 Osborne Drive  
El Paso, Texas, 79922

CONTRACT DATE: 03/13/23

The Contract is changed as follows (indicate Consultant or Owner initiated):

Dantex General Contractors, Inc are requesting an additional 30 days to be added to the current contract time for the ESSER Group 4 Project – Franklin 9th Grade campus. The request for additional time is for the additional work, approved of by EPISD on 03/19/2024 for added HVAC Equipment, electrical , structural, and new finishes needed for the project site, to be fully installed and operational. The equipment was delivered to the site on May 21, 2024. The request for additional time is only for the completion of the installation, start up, and inspections for the added equipment (Contractor initiated - Owner Requested change).

Contract time increase by 30 days.

**NOT VALID UNTIL SIGNED BY THE OWNER, CONSULTANT AND CONTRACTOR**

The original Contract Sum (Guaranteed Maximum Price) was.....	\$8,591,084.00
Net change by previously authorized Change Orders.....	\$1,284,455.51
The Contract Sum (Guaranteed Maximum Price) prior to this Change Order was.....	\$9,875,539.51
The Contract Sum (Guaranteed Maximum Price) will be <del>increased</del> (decrease) (unchanged) by this Change Order in the amount of .....	\$0.00
The new Contract Sum (Guaranteed Maximum Price) including this Change Order will be.....	\$9,875,539.51
The Contract Time will be (increased) <del>decrease</del> (unchanged) by ( 30 ) days	
As of the date of this Change Order, Substantial Completion is due by	07/30/24

MNK Architects, Inc.  
CONSULTANT  
330 Eubank  
Address

BY Carmen Renee Jimenez

DATE 5/28/2024

Dantex General Contractors, Inc.  
CONTRACTOR  
4727 Osborne Drive El Paso TX 79922  
Address

BY Tyler Daniels, President

DATE 5/28/24

El Paso Independent School District  
OWNER  
1100 N. Stanton, El Paso, Texas 79902  
Address

BY Diana Sayavedra, Superintendent

DATE \_\_\_\_\_



MNK ARCHITECTS

## MEMORANDUM

---

**PROJECT:** ESSER HVAC GROUP 4

**OWNER:** El Paso Independent School District      **DATE:** May 28, 2024

**CONTRACTOR:** Dantex General Contractors, Inc.      **PROJECT #:** 22.51D

---

This letter responds to Dantex's request for a 30-calendar day- time extension for the Franklin 9th grade campus project, letter dated May 28, 2024.

We acknowledge that MNK Architects and our consultants issued ASI #03 on July 27, 2023, in response to your RFI #06. While the contractor's initial proposal, received on February 13, 2024, addressed the technical aspects of ASI #03, it lacked a clear explanation for the extended timeframe (7 months) to develop the proposal.

We challenged the cost in our February 14th letter, but ultimately supported Dantex's revised proposal on February 19, 2024, which did not explicitly request additional time.

We understand your concerns about the time extension and agree that a request within Change Order #03 would have been ideal. However, given the complexity of the work arising from ASI #03 and the time lost in pricing the initial proposal, we recommend a time extension be granted with no more cost associated with the extension to complete the project.

Sincerely,

Renee' Jimenez  
Architect- Principal-in-charge

# DANTEX



## General Contractors

---

4727 Osborne Drive • El Paso, Texas 79922 • 915-584-9300

---

May 28, 2024

El Paso Independent School District  
Facilities and Construction  
1100 N Stanton, 8<sup>th</sup> Floor  
El Paso, Texas 79902  
(915) 230.2311  
Attn: Jesus Manuel Rivera

MNK Architects  
330 Eubank Court  
El Paso, Texas, 79902  
(915) 587.8023  
Attn: Carmen Byers

ESSER Group 4, Franklin 9<sup>th</sup> Grade Center

Mr. Rivera,

We are requesting an additional 30 days to be added to the current contract time for this campus.

On 6/05/23 we issued RFI #06 regarding conditions found during site visit to the school, MNK Architects responded to the RFI on 7/11/23, which requires additional demolition, HVAC equipment, electrical, structural, and new finishes.

After several coordination meetings the initial cost proposal was issued on 12/18/23, with minor adjustments revised cost proposal was issued 2/18/24.

During several meetings with EPISD personnel we informed the district that additional work could not be performed/completed before substantial completion of 6/30/24, if no additional time was to be granted the additional work needed to be cancelled.

The cost proposal in the amount of \$332,123.72 was approved during the regular Bord of Trustees meeting dated 3/20/24.

The new HVAC equipment had a 12-week lead time for delivery after approved submittal. In anticipation of change order approval, Dantex General Contractors requested the submittal information package and submitted for approval on 3/15/24, submittal package was approved 3/19/24, equipment was released after bord approval on 3/21/24.

With an 84-day lead time (12 weeks) equipment was expected to be delivered on 6/13/24, equipment was delivered 5/21/24.

Dantex General Contractors and its subcontractor's installation/execution time for the change order is as follows:

- 14-days for the installation, (layout, supports, unit setup, rooftop condensing units set up)
- 21-days to install copper lines and pressure test
- 14-days of piping insulation
- 7- days for startup
- 7- days for finishes after installation.
- 7- days for inspections

70 calendar days to complete work after equipment delivery.

The duration includes the overlapping time for concurrent activities, the actual unit installation time is 20 days, 28 days for copper lines from cassette unit to condensing units (rooftop, 4 systems), 21 days of piping insulation, 12 days to install new ceiling grids, and 10 days for final testing and inspection. Demolition, electrical and any structural modifications will be done within this time frame.

From unit delivery to completion of installation we required an additional 70 calendar days, installation completion date 7/30/24.

The current substantial completion date for ESSER Group 4 is 6/30/24.

We are requesting an additional 30 days to allow for the new HVAC system to be operational at Franklin 9<sup>th</sup> Grade Center, Substantial completion of 7/30/24.

Should you have questions or require any additional information please do not hesitate and contact me at your earliest convenience.

Regards,



Hector Olave  
Project Manager  
Dantex General Contractors, Inc.

File  
Tyler Daniels, President



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

**TITLE:**

*Approval of Change Order No. 12 for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 2), CSP #23-036, Project No. 22.513B, for a Non-Compensatory Time Extension of Thirty (30) Calendar Days, to Noble General Contractors, LLC*

**JUSTIFICATION STATEMENT:**

(To comply with Board Policy CV (Local) pertaining to change orders to construction contracts)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** S.B. Pierson/Ernesto L. Ortiz

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

Prior to this requested Change Order No. 12, the following change orders have been approved:

- Change Order No. 01 - Burges HS temporary services for the cafeteria/kitchen in the amount of \$17,787.05, approved by EPISD Administration on May 22, 2023.
- Change Order No. 02 - Burges HS additional temporary services for the cafeteria/kitchen in the amount of \$27,537.87, approved by EPISD Administration on October 2, 2023.
- Change Order No. 03 - Burges HS Auxiliary Gym insulation of exposed PVC roof drain and water lines in the amount of \$10,028.48, approved by EPISD Administration on October 5, 2023.
- Change Order No. 04 – Guillen MS temporary services for the cafeteria/kitchen in the amount of \$36,259.73, approved by EPISD Administration on November 7, 2023.
- Change Order No. 05 – Provide temporary containers at Canyon Hills and Austin, installation of new TPO roof at Guillen Kitchen and Cafeteria, and installation of new suspended ceiling at Burges Main Gym for a total amount of \$320,860.63 and a time extension of 111 calendar days approved by the Board of Trustees on January 25, 2024.
- Change Order No. 06 - Provide 40 ft. containers at Canyon Hills and Guillen, temporary outdoor coolers for Canyon Hills, electrical connections required for the temporary kitchen equipment location at Canyon Hills, additional gym floor protection, dumpster delivery and additional rental of coolers and freezers at Burges, in the amount of \$47,683.13, approved by EPISD Administration on January 25, 2024.
- Change Order No. 07 – Additional ceiling replacement, the removal of existing ductwork, additional floor protection at Austin Main Gym and the demolition of metal lath and plaster at the Burges Gym in the amount of \$46,114.67, approved by EPISD Administration on March 22, 2024.
- Change Order No. 08 - Provide 40 ft. containers for storage, installation of new metal frame and drywall at the interior perimeter, and light replacement at Canyon Hills Gym in the amount of \$49,931.70, approved by EPISD Administration on March 27, 2024.
- Change Order No. 09 - Provide additional storage container, additional fence for outdoor cooler, demolition of additional ceiling at Canyon Hills Kitchen, the demolition of non-working stage lights at Burges Gym, and additional outdoor cooler rental for Guillen, in the amount of \$17,367.00, approved by EPISD Administration on April 2, 2024.
- Change Order No. 10 – Provide additional acoustical panel infill at Guillen Gym, transfer fifty lights from Canyon Hills to Maintenance Department, provide additional reinforcement steel at Canyon Hills Kitchen, emergency lighting correction at Burges Cafeteria and light alignment at Burges Gym in the amount of \$35,038.42, approved by EPISD Administration on May 1, 2024.
- Change Order No. 11 – Additional fur-down installation at Burges Main Gym to cover metal gym structure and windows, in the amount of \$34,072.50, approved by EPISD Administration on May 14, 2024.

Approval of these change orders resulted in an increase of \$642,681.18 (10%) to the project, bringing the original contract amount of \$6,428,000.00 to \$7,070,681.18, and extending the contract by one hundred eleven (111) calendar days. The substantial completion date was extended to June 30, 2024.

On May 28, 2024, the Facilities & Construction Department received Change Order No. 12 from Noble General Contractors, LLC, for CSP No. 23-036, Project No. 22.513B, ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 2). The change order is for a thirty (30) calendar day time extension due to additional structural design and added structural reinforcement to the Canyon Hills kitchen and Burges main gym. The unforeseen conditions were found after the ceilings were removed and the roof structure had to be re-evaluated by the structural engineer. In addition, the delivery of an electrical switchboard panel to Canyon Hills had an original delivery date of April 4, 2024, which was delayed; the supplier has provided a delivery date of May 28, 2024. The change order, if approved, will extend the substantial completion of June 30, 2024, to July 30, 2024. The Engineer of Record, Alegro Engineering, LLC, is not requesting additional services for this request.

Board Policy CV (Local) requires administration to present any changes for any construction time extensions exceeding thirty (30) calendar days in the aggregate to the Board for approval. The Facilities & Construction Department recommends the Board approve the Change Order in accordance with the following motion (see attached documents).

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve Change Order No. 12, for ESSER HVAC Replacement in High Occupancy Areas of Middle Schools and High Schools (Group 2), CSP No. 23-036, Project No. 22.513B, to Noble General Contractors, LLC, for a non-compensatory time extension of thirty (30) calendar days.

**FUNDING SOURCE:** Budgeted ESSER III Funds **ACCOUNT NO.:** 282.81.6626.sch.24.766.932

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Upon approval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

- |   | Description  |
|---|--------------|
| ▫ | Change order |



**CHANGE ORDER CHECK LIST & SUMMARY**

*Prior to completing Change Order Documents for Review and Signature, the following items must be completed by the Project Manager:*

**CHANGE ORDER NUMBER:** 12

**Project Title:** ESSER HVAC Replacement in High Occupancy Areas **Project No.:** 22.513B

**Consultant:** Alegro Engineering

**Gen. Contractor:** Noble General Contractors, LLC

**Proj. Manager:** Joel Olivas

- A/E's (Consultant) Letter of Justification to include letter of Change Proposal from Contractor. *Projects with no consultant will not include the letter of justification from A/E Consultant.*
- Contractors Quote sheet, or fixed price estimate from Contractor, Signed and Dated.
- EPISD Change Order Form, with all blanks completed. *Signature block: less than \$50k Admin Authority; \$50k above Superintendent.*
- EPISD Board Executive Summary and Project Fact Sheet **if Applicable.**

Original Contract Amount	\$ 6,428,000.00		
Amount of previous approved change orders	\$ 642,681.18	10	%
This change order amount > \$50,000 Board Approval > 15% of original contract Board Approval	\$ 0.00	0	%
Total Change Orders to date	\$ 642,681.18	10	%

**New Contract Amount \$ 7,070,681.18**

**Once a total of 30 days are reached change orders will require Board approval for all additional days.**

Total of previously approved time extension	111	calendar days
Time extension requested per this change order	30	calendar days
Total Days	141	calendar days

**Change Initiated by:**

- Owner Initiated
- Contractor initiated
- Consultant initiated

**Reason:**

- Unforeseen Conditions
- Authorities Having Jurisdiction/Utilities
- Errors and Omissions
- Owner Requested Change

**Description Summary:**

Time extension request of Thirty (30) Calendar Days due to the redesign of the structural re-enforcements at the Canyon Hills Kitchen/Cafeteria due to the discovery of light-weight concrete on the roof and the redesign of the structural re-enforcements at the Burges Main Gym. This will include the late delivery of the electrical switchboard for the Canyon Hills Cafeteria and the installation of new suspended ceiling at Burges Main Gym.

Review/Approval of Executive Director: 



FACILITIES & CONSTRUCTION

EL PASO ISD  
it starts with us

# Change Order

PROJECT NAME: ESSER HVAC Replacement in High Occupancy Area

CHANGE ORDER NUMBER: 12

EPISD PROJECT NO.: 22.513B

DATE: 05/28/24

TO CONTRACTOR:  
(name, address) Noble general Contractors, LLC  
233 N. Mesa Hills Dr  
El Paso, Texas 79912

CONTRACT DATE: 03/13/23

The Contract is changed as follows (indicate Consultant or Owner initiated):

Time extension request of Thirty (30) Calendar Days due to the redesign of the structural re-enforcements at the Canyon Hills Kitchen/Cafeteria due to the discovery of light-weight concrete on the roof and the redesign of the structural re-enforcements at the Burges Main Gym. This will include the late delivery of the electrical switchboard for the Canyon Hills Cafeteria and the installation of new suspended ceiling at Burges Main Gym.

**NOT VALID UNTIL SIGNED BY THE OWNER, CONSULTANT AND CONTRACTOR**

The original Contract Sum ( <del>Guaranteed Maximum Price</del> ) was.....	\$6,428,000.00
Net change by previously authorized Change Orders.....	\$642,681.18
The Contract Sum ( <del>Guaranteed Maximum Price</del> ) prior to this Change Order was.....	\$7,070,681.18
The Contract Sum ( <del>Guaranteed Maximum Price</del> ) will be ( <del>increased</del> <del>decreased</del> ) (unchanged) by this Change Order in the amount of .....	\$0.00
The new Contract Sum ( <del>Guaranteed Maximum Price</del> ) including this Change Order will be.....	\$7,070,681.18
The Contract Time will be (increased) ( <del>decreased</del> <del>unchanged</del> ) by ( 30 ) days	
As of the date of this Change Order, Substantial Completion is due by	07/30/24

Alegro Engineering

CONSULTANT

5822 Cromo Dr, Suite 105

Address

BY Ricardo Hyslop

DATE 05-28-2024

Noble General Contractors, LLC

CONTRACTOR

233 N. Mesa, El Paso, TX 79912

Address

BY Joe Mimbela, PM

DATE 05-29-2024

El Paso Independent School District

OWNER

1100 N. Stanton, El Paso, Texas 79902

Address

BY Diana Sayavedra, Superintendent

DATE



May 28, 2024

Mr. Joel Olivas  
Project Manager – Construction  
Facilities and Construction  
El Paso Independent School District  
1100 N. Stanton, 8<sup>th</sup> Floor  
El Paso, TX 79902

Re: Requested Extended Time from Noble General Contractor for EPISD Project No. 22.513B ESSER HVAC Replacement in High Occupancy Areas.

Mr. Olivas:

Noble Contractors has provided a letter requesting an extension for thirty (30) calendar days for the Project No. 22.513B ESSER HVAC Replacement in High Occupancy Areas due to the unforeseen conditions noted below:

1. Canyon Hills Kitchen / Cafeteria Unforeseen Conditions:
  - Re-designing of structural re-enforcements at the Kitchen due to the discovery of light-weight concrete on the roof.
  - Electrical Switchboard shipping delay from the Manufacturer.
2. Burges High School Gymnasium Unforeseen Conditions:
  - Re-design of structural re-enforcements at the Locker Room area in the Gymnasium due to Gypsum ceiling not allowing to oversee existing conditions.
  - Demolition of existing lath and plaster system ceiling, and installation of new suspended Ceiling System.

No additional services will be requested by Alegro Engineering.

It is our recommendation to the El Paso Independent School District to accept the time extension request provided by Noble General Contractors.

If you have any questions, please do not hesitate to contact our office.

Sincerely,

Rolando Legarreta, P.E.

A handwritten signature in blue ink, appearing to read 'Rolando Legarreta', is written over the printed name.

# Noble

## General Contractors

---

May 27, 2024

El Paso Independent School District  
1100 N. Stanton Street  
El Paso, Texas 79902

Re: ESSER HVAC Replacement in High Occupancy Areas  
Burgess High School Main Gym

Mr. S.B Pierson

We are hereby requesting an additional Thirty (30) calendar daytime extension to our Contract, Project Title: ESSER HVAC Replacement in High Occupancy Group 2 Project No. 22.513B.

Due to unforeseen conditions at Burgess High School Main Gym were observed when the demolition of suspended ceiling at locker rooms was completed the structural engineer had to document and reevaluate the existing truss's locations which could not be determined until the ceilings were removed. New instruction and design were sent to Noble General Contractor (see attachment) This delay stopped Noble from being able to install the RTU's which caused a domino effect such as not being able to receive inspections for Structural, Mechanical, Plumbing and Electrical sooner than planned. The joist reinforcement installation, the installation of roof curbs and the roof patching should have all been completed on April 26, 2024. The RTU's placement would have been scheduled for April 29, 2024. The partial design was completed and sent to Noble on May 5, 2024. Which covers RTU's 5-A, 5-B, 5-C and 5-D. The second design covers RTU 7 which is still pending. The joist reinforcement installation, the roof curbs installation and the roof patching are currently in progress. At this point the project is five weeks behind schedule. We will work overtime in the meantime to shorten the time behind schedule to four weeks.

The second delay for the substantial completion date not being met is that the main gym had to be redesigned due to the existing ceiling having to be removed in its entirety. The original design called for the ceiling to remain. Various openings to the existing ceiling were going to have to be removed for the installation of duct work to be secured properly. The ceiling consisted of old 12"x12" tiles secured over a lath and plaster ceiling system. The new patches could not be installed to match the existing ceiling. The lath and plaster system are no longer practical, and the tiles are no longer manufactured.

If our request is accepted our new substantial completion date will be July 30, 2024, and our final completion date will be August 29, 2024. No additional change order cost will be requested.

Thank You,

Sincerely,

A handwritten signature in blue ink, appearing to read "Joe Mimbela", is written over a light blue horizontal line.

Joe Mimbela  
Project Manager

## FIELD REPORT

<b>DATE:</b> 5/5/2024	<b>PROJECT:</b> Burgess High School	<b>OWNER:</b> EPISD	<b>MNK PROJECT NUMBER:</b> 2023-08 EPISD ESSR
<b>FIELD REPORT:</b> 2	<b>BEGIN TIME:</b> 12:00 PM	<b>FINISH TIME:</b> 11:30 AM	<b>GENERAL LOCATION:</b> Main Auditorium/gymnasium
<b>WEATHER:</b> Clear	<b>TEMP:</b> 85 °F	<b>SITE VISIT BY:</b> Edmund Castle, P.e.	<b>VERIFIED BY:</b> Edmund Castle, P.E.

**PERCENTAGE COMPLETE:** Steel Erection In Progress

### FIELD OBSERVATIONS

1. Open web joists are receiving reinforcement.
2. It was observed that the reinforcement of existing ledger and Joyce bearing locations has been modified.
3. The reinforcement of the existing open web joists is progressing at all mechanical unit locations. Top and bottom chord reinforcement is installed. No web reinforcement was observed.

### RECOMMENDATIONS

1. Rotate reinforcement channel 90 degrees. Center backside of channel on web of existing beam. Contractor may propose alternate configuration or section if preferred.
2. At the existing steel ledger for open web H-Joists. It is acceptable to split the specified steel face plate in half and butt weld to the underside of the existing steel angle. Install the specified post-installed anchors to the existing concrete beam. Four total fasteners are required. This variance is allowed where the existing ledger includes anchor bolts already installed at the joist bearing location.
3. Complete open web joist reinforcement at webs as directed in project details.
4. Reduce over-welding and burn through of existing joist material.

Submitted,

Edmund Castle, P.E. | Kilo Structures, Inc.

1



Contractor has installed alternate variation of specified joist seat support.

2



Reinforcement plate at face of existing concrete beam.

3



4



Welding of reinforcement to existing joist.

5



Reinforcement of existing joist.

**Alegro Engineering**  
 8822 Camino del Este, Suite 100  
 San Antonio, TX 78217  
 Tel: 214.343.1700

**Professional Engineer**  
 License No. 100120222

**22.513B HVAC REPLACEMENT HIGH OCCUPANCY AREAS**  
**BURGES HIGH SCHOOL**

7800 EDGEMORE BLVD., EL PASO, TX 79965

NO. REVISIONS/DATE DATE

SHEET TITLE: **ROOF FRAMING PLAN - MAIN GYM**

ALLEGRO ENGINEERING PROJECT: BURGES HIGH SCHOOL

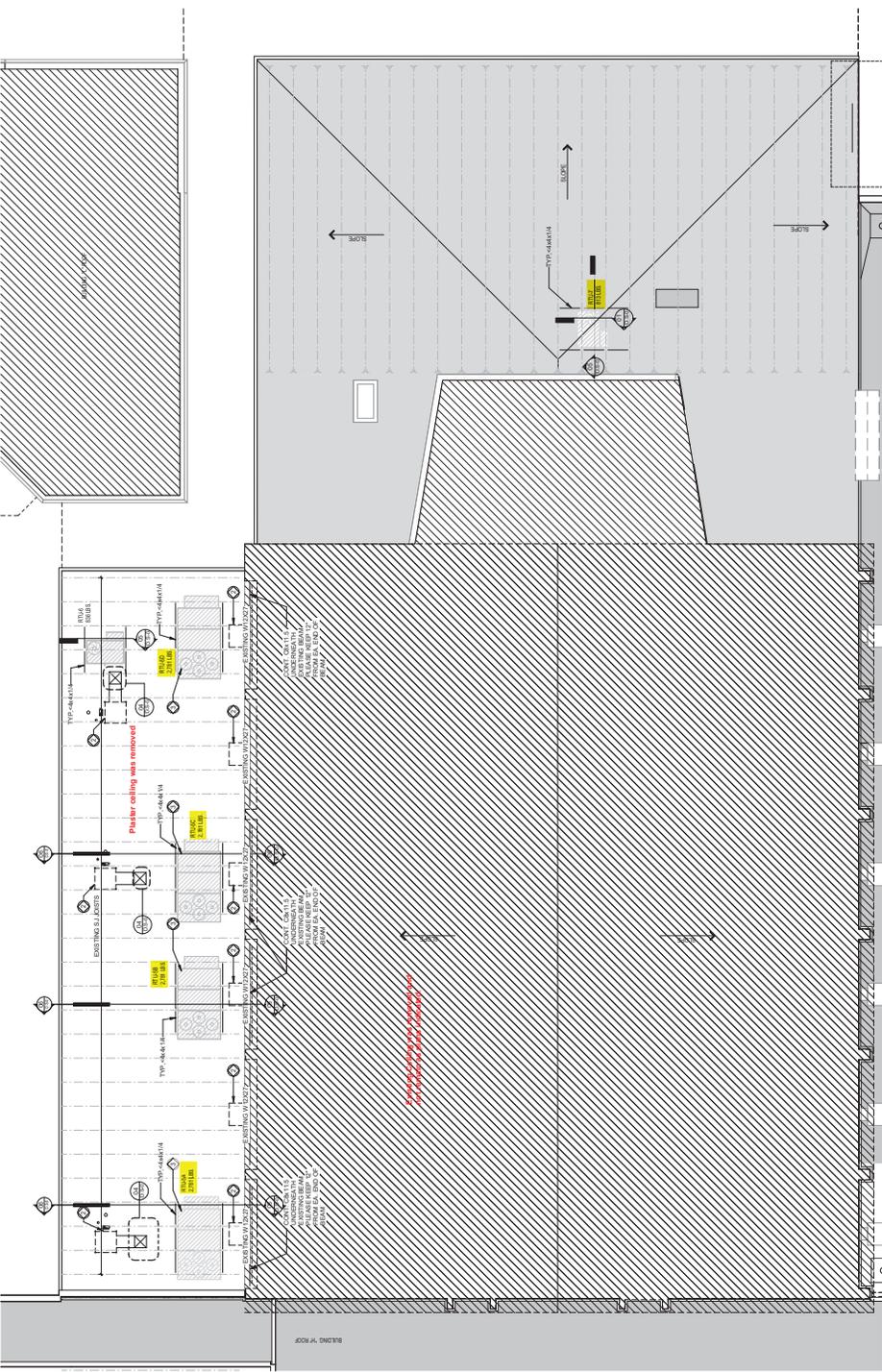
PROJ. NO.: 100120222

DATE: 10/01/2022

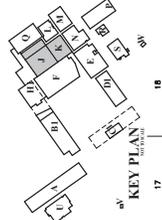
- KEYED NOTES**
1. STRUCTURAL AND MECHANICAL NOTES TO REMAIN ARE SHOWN WITH DASHED LINES.
  2. EXISTING CONDITIONS ARE SHOWN WITH DASHED LINES. REFER TO MECHANICAL NOTES FOR MECHANICAL EQUIPMENT AND REPAIRS. MECHANICAL EQUIPMENT AND REPAIRS SHALL BE AS SHOWN ON THE MECHANICAL DRAWINGS. MECHANICAL EQUIPMENT SHALL BE AS SHOWN ON THE MECHANICAL DRAWINGS.

- GENERAL NOTES**
- A. CONTRACTOR SHALL REFERENCE THE MECHANICAL NOTES FOR MECHANICAL EQUIPMENT AND REPAIRS. MECHANICAL EQUIPMENT AND REPAIRS SHALL BE AS SHOWN ON THE MECHANICAL DRAWINGS.
  - B. JOIST SPACING AND PARALLELISM ARE TO BE MAINTAINED AS SHOWN ON THE MECHANICAL DRAWINGS. JOIST SPACING AND PARALLELISM SHALL BE AS SHOWN ON THE MECHANICAL DRAWINGS.
  - C. EXISTING CONDITIONS FOR THE JOISTS ARE TO BE MAINTAINED AS SHOWN ON THE MECHANICAL DRAWINGS. EXISTING CONDITIONS FOR THE JOISTS SHALL BE AS SHOWN ON THE MECHANICAL DRAWINGS.

**Field verification could not take place until the complete removal of plaster ceiling was completed.**



**01 - ROOF FRAMING PLAN - MAIN GYM**



10/1/2022 10:00:00 AM  
 100% CD  
 PROFESSIONAL ENGINEER

# Noble

## General Contractors

---

May 25, 2024

El Paso Independent School District  
1100 N. Stanton Street  
El Paso, Texas 79902

Re: ESSER HVAC Replacement in High Occupancy Areas  
Canyon Hills Kitchen/Cafeteria

Mr. S.B Pierson

We are hereby requesting an additional thirty (30) calendar daytime extension to our Contract, Project Title: ESSER HVAC Replacement in High Occupancy Group 2 Project No. 22.513B.

Unforeseen conditions at Canyon Hills Kitchen/Cafeteria were observed when the demolition of suspended ceiling was completed. There was an additional existing ceiling which had to be removed. After the demolition of the second ceiling measurements for trusses location by the structural engineer were documented and reevaluated for a new design. The new design consisted of new materials that had to be ordered and our steel sub-contractor workload increased. In addition, when the roof openings for the installation of the new roof curbs proceeded it was discovered that the roof section at the kitchen/cafeteria was built out of light-weight concrete and not your typical metal B-decking material. A sample of the lightweight concrete was given to the engineers for PSI and material type testing. The new design was modified with the light-weight concrete in consideration.

The new design was completed and sent to Noble on April the 17, 2024. The change order to Noble was sent on April 26, 2024, and the steel arrived on April 30, 2024. The completion of steel reinforcement was completed on May 15th. Inspections for structural and welds were requested and the RTU's were installed on May 20, 2024. Leaving us five to six weeks behind schedule. We will work overtime in the meantime to shorten the time behind schedule to four weeks.

The second delay for the substantial completion date not being met is that the QED-2 Switchboard shipping date arrival has been moved to May 28, 2024. The order was placed on March 29, 2023, and we were originally given an ETA for delivery in El Paso on April 4, 2024. We asked for an update back in February and were advised by the supplier that due to the holidays and other unforeseen complications the Electrical Panel would not be delivered until or about May 28, 2024. Once the new panel has been installed, we will need El Paso Electric to install the new meter without any delays. El Paso Electric took four weeks to install the new meter at Canyon Hills Gymnasium. This kind of delay will have a major effect on our request for thirty days extension.

If our request is accepted and without any delay from El Paso Electric Company, our new substantial completion date will be July 30, 2024, and our final completion date will be August 29, 2024. No additional change order cost will be requested.

Thank You,

Sincerely,

A handwritten signature in blue ink, appearing to read "Joe Mimbela", is written over a light blue horizontal line.

Joe Mimbela  
Project Manager

# Field Report

<b>TO:</b> Ricardo Hyslop Alegro Engineering, LLC 5822 Cromo DR. Suite 105 El Paso, Texas 79912	<b>DATE:</b> 5/16/24	<b>PROJECT No: #</b> 2022029 <b>Field Report 2</b>
	<b>PROJECT:</b> CANYON HILLS M.S. HVAC Replacement	
	<b>CONTRACTOR:</b> Noble General Contractors	<b>TIME:</b> 2:00 P.M.
<b>CC:</b>	<b>WEATHER:</b> Sunny	<b>TEMP:</b> 80 F
	<b>PRESENT AT SITE:</b> Superintendent: Crispin Melendez, Noble General Contractors Engineer: Javier Carlin, P.E., Mario Avalos, HKN Engineers	
<b>WORK IN PROGRESS:</b> Joist reinforcement was installed in the cafeteria and adjacent rooms.		
<b>OBSERVATIONS:</b>  <ol style="list-style-type: none"><li>1. Web reinforcements to joists "F" at RTU-13 was installed for the 20 feet over the south end. The reinforcement of the north end was not installed. The webs on north end were not reinforced. Refer to 1/A.S-2 for requirement at the north end. See Figure 1.</li><li>2. Chord reinforcement was typically discontinued at point load reinforcement angle. See Figure 2.</li><li>3. Web reinforcements to joists "G" at MAU-1 was installed for the 20 feet over the north end only on three joists instead of five. See Figure 3.</li></ol>		
<b>COMMENTS / RECOMMENDATIONS:</b>  <ol style="list-style-type: none"><li>1. Provide missing web reinforcement.</li><li>2. Provide splice detail per attached sketch at all discontinued chord reinforcements.</li><li>3. No further action is required.</li></ol>		
	<b>COMPLETED BY:</b> Javier Carlin, P.E.	

Figure 1. Missing web reinforcement on the north end of joist "F".



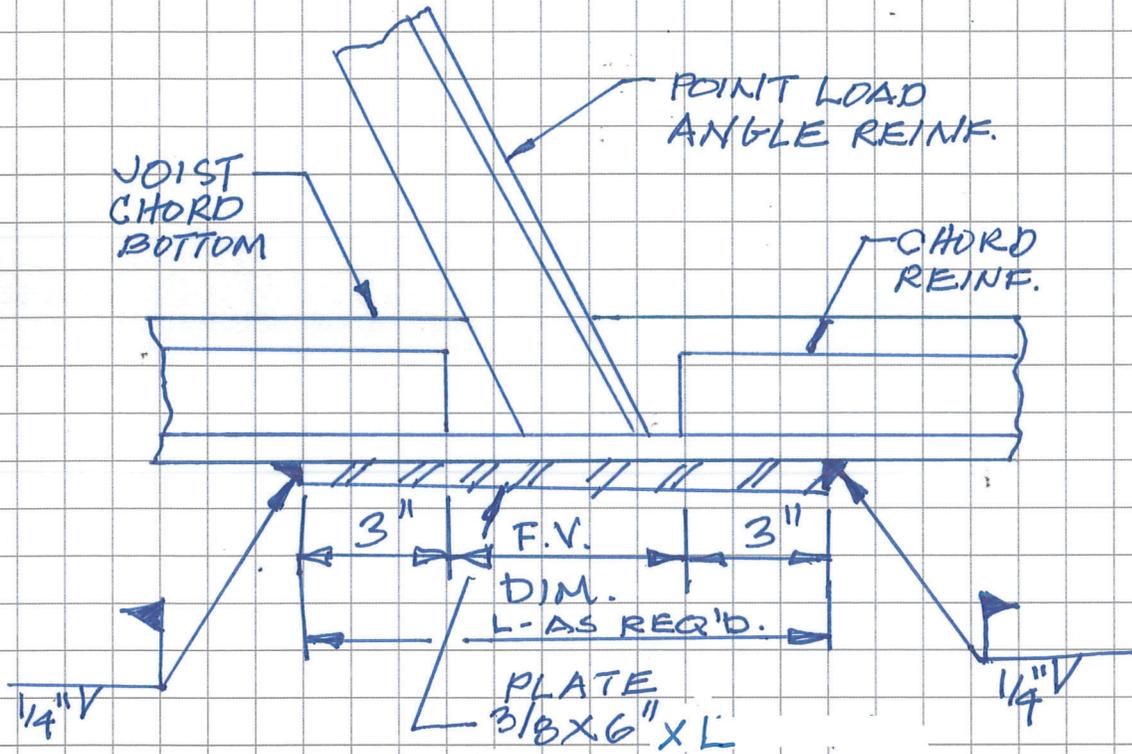
Figure 2. Discontinued Chord reinforcement.



Figure 3. Reinforcement at Joist "G" north end.



PROJECT: CANYON HILLS M.S. HVAC	SHEET #:
PROJECT #:	DATE: 5-21-24
CALCULATED BY:	SCALE:



## SPLICE DETAIL



22.513B HVAC REPLACEMENT HIGH OCCUPANCY AREAS  
CANYON HILLS MS.

8930 ECLIPSE EL PASO, TX 79904

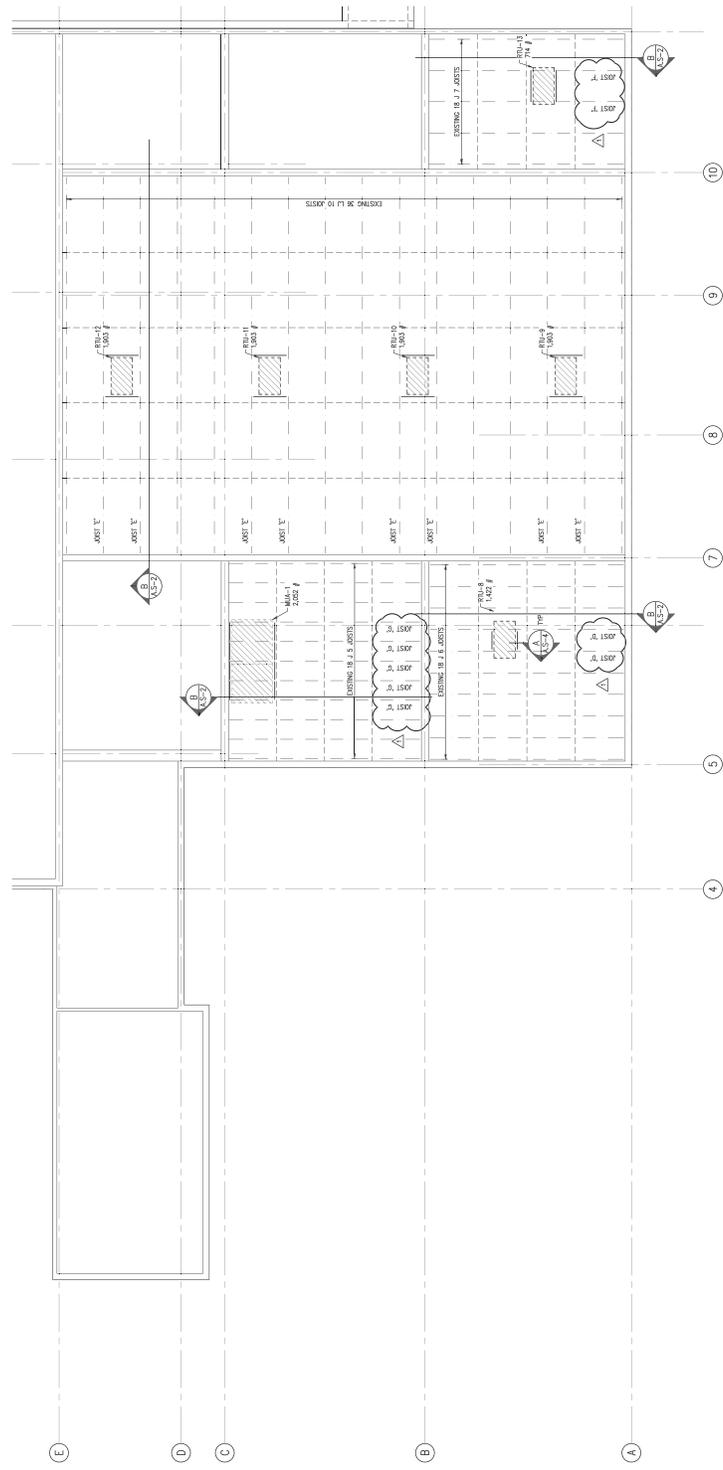
NO.	REVISION/ISSUE	DATE
1	INSULATION AT ROOF MATERIAL	

SHEET TITLE  
ROOF FRAMING PLAN  
CORRECTION

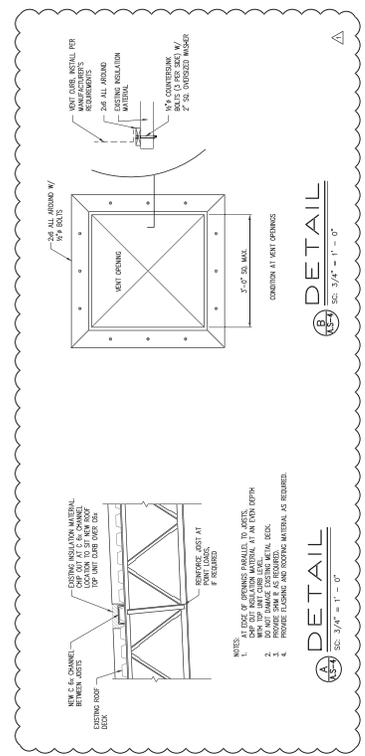
ALSO SEE: 22.513B HVAC REPLACEMENT PROJECT  
PACKAGE: 22.513B  
SHEET NUMBER: A-34

100% CONSTRUCTION DOCUMENTS

hkn engineers  
10000 FORT MEADOWS BLVD, SUITE 1000, FORT MEADOWS, TEXAS 76160  
PH: 817.281.1111 FAX: 817.281.1112 WWW.HKNENGINEERS.COM



ROOF FRAMING PLAN  
CORRECTION





**CHANGE ORDER CHECK LIST & SUMMARY**

Prior to completing Change Order Documents for Review and Signature, the following items must be completed by the Project Manager:

**CHANGE ORDER NUMBER:** 10

**Project Title:** ESSER HVAC Replacement in High Occupancy Areas **Project No.:** 22.513B

**Consultant:** Alegro Engineering, LLC

**Gen. Contractor:** Noble General Contractors, LLC

**Proj. Manager:** Joel Olivas

- A/E's (Consultant) Letter of Justification to include letter of Change Proposal from Contractor. *Projects with no consultant will not include the letter of justification from A/E Consultant.*
- Contractors Quote sheet, or fixed price estimate from Contractor, Signed and Dated.
- EPISD Change Order Form, with all blanks completed. *Signature block: less than \$50k Admin Authority; \$50k above Superintendent.*
- EPISD Board Executive Summary and Project Fact Sheet **if Applicable.**

Original Contract Amount	\$ 6,428,000.00	
Amount of previous approved change orders	\$ 573,570.26	8.92 %
This change order amount > \$50,000 Board Approval > 15% of original contract Board Approval	\$ 35,038.42	.55 %
Total Change Orders to date	\$ 608,608.68	9.47 %
<b>New Contract Amount \$ 7,036,608.68</b>		

**Once a total of 30 days are reached change orders will require Board approval for all additional days.**

Total of previously approved time extension	111	calendar days
Time extension requested per this change order	0	calendar days
Total Days	111	calendar days

**Change Initiated by:**

- Owner Initiated
- Contractor initiated
- Consultant initiated

**Reason:**

- Unforeseen Conditions
- Authorities Having Jurisdiction/Utilities
- Errors and Omissions
- Owner Requested Change

**Description Summary:**

This proposal was received for approval on April 26, 2024 from Noble General Contractors, LLC. Alegro Engineering recommends the approval of this change order for a total amount of \$35,038.42

1. Austin HS Main Gym paint the hand rail, steps and handicap ramps for \$0.00
2. Acoustical panel infill at Guillen Main Gym ceiling to cover previous HVAC unit access holes for \$3,489.15.
3. Transfer 50 previous lights from Canyon Hills to the Maintenance Department for \$367.50
4. Provide additional reinforcement steel to existing roof structure to accommodate the HVAC units at Canyon Hills Kitchen for \$8,706.60
5. Install additional reinforcement steel to existing roof structure to accommodate the HVAC units at Canyon Hills Kitchen for \$15,794.63
6. Emergency Lighting correction at Burges Cafeteria and aligning light fixtures at Burges Aux Gym for \$3,894.89.
7. Ceiling tile replacement after lighting alignment for \$2,785.65.

### Order Status Report

SE Order Ref#: 45167286  
 P.O. Number: 1989-MA979231C  
 Project Name: EPISD Group 2  
 Comments:



Line Nbr	Total Qty	Qty	Designation	Catalog Number	Catalog Description	Progress Point	Holds	Scheduled Ship Date	Actual Ship Date	Shipped Qty	Shipping Loc	Tracking Nbr	
00100	1	0	Panel MG-C.H.	NF MB Panel (INTERIOR)	NF Panelboard	Invoiced	N	08/14/2023	07/13/2023	1	MONTERREY 1 PLANT	1081149476	SQAV EXPR
00200	1	0	Panel MG-C.H.	MH68	PANELBOARD ENCLOSURE/BOX TYPE 1 68H 20W	Invoiced	N	05/05/2023	05/03/2023	1	ATHENS DISTRIBUTION CENTER	3065885	SEFL SOUT FREIC
00300	1	0	Panel MG-C.H.	NC68VSHR	PNLBD COVER/TRIM NOQD T-1 68H 26W	Invoiced	N	10/17/2023	10/16/2023	1	ATHENS DISTRIBUTION CENTER	3372653	SEFL SOUT FREIC
00400	1	0	TX-LG-C.H.	EXN15T3H	TRANSFORMER DRY TYPE 15KVA 480D208Y AL-1	Invoiced	N	05/05/2023	05/03/2023	1	ATHENS DISTRIBUTION CENTER	3065885	SEFL SOUT FREIC
00500	1	0	Panel MG-C.H.	460277YP20ARCE10	ASCO SPD 277/480V 3P 200kA Disc DC SC	Invoiced	N	05/15/2023	05/15/2023	1	ATHENS DISTRIBUTION CENTER	1ZV349Y40336872733	UNITI SERV
00600	1	0	Panel LG-C.H.	NQ MB Panel (INTERIOR)	NQ Panelboard	Invoiced	N	08/25/2023	06/29/2023	1	MONTERREY 1 PLANT	1Z9R66W50302077019	SQUC PARC SERV
00700	1	0	Panel LG-C.H.	MH32	PANELBOARD ENCLOSURE/BOX TYPE 1 32H 20W	Invoiced	N	05/05/2023	05/03/2023	1	ATHENS DISTRIBUTION CENTER	3065885	SEFL SOUT FREIC
00800	1	0	Panel LG-C.H.	NC32SHR	PNLBD COVER/TRIM NF T-1 S 32H 20W	Invoiced	N	08/01/2023	07/31/2023	1	ATHENS DISTRIBUTION CENTER	1ZV349Y40338338405	UNITI SERV
00900	1	0	C.H.	H365NR	SWITCH FUSIBLE HD 600V 400A 3P NEUTRAL	Invoiced	N	10/16/2023	09/09/2023	1	MONTERREY 1 PLANT	2906287633	SQAV EXPR
01000	1	0	Panel MK-C.H.	NF MB Panel (INTERIOR)	NF Panelboard	Invoiced	N	07/27/2023	07/13/2023	1	MONTERREY 1 PLANT	1081149223	SQAV EXPR
01100	1	0	Panel MK-C.H.	MH56	PANELBOARD ENCLOSURE/BOX TYPE 1 56H 20W	Invoiced	N	05/05/2023	05/03/2023	1	ATHENS DISTRIBUTION CENTER	3065885	SEFL SOUT FREIC
01200	1	0	Panel MK-C.H.	NC56SHR	PANELBOARD COVER/TRIM NF TYPE 1 S HR 56H	Invoiced	N	07/18/2023	07/17/2023	1	ATHENS DISTRIBUTION CENTER	1ZV349Y40338088033	UNITI SERV
01300	1	1	MSP-C.H.	Square D Standard Swbd Series 2	QED-2 Switchboard	Assembly	N	05/28/2024	00/00/0000	0	EL PASO PLANT		STAN
01400	1	0	Panel HE-Bur	NF MB PNLB (INT BOX TRIM)	NF Panelboard	Invoiced	N	09/19/2023	09/22/2023	1	MONTERREY 1 PLANT	1080739402	SQAV EXPR
01500	1	0	Panel MDP-Bur	NF MB Panel (INTERIOR)	NF Panelboard	Invoiced	N	07/14/2023	07/13/2023	1	MONTERREY 1 PLANT	1080508183	SQAV EXPR
01600	1	0	Panel MDP-Bur	MH62WP	PNLBD ENCLOSURE/BOX T-3R/12 62H 20W	Invoiced	N	05/05/2023	05/03/2023	1	ATHENS DISTRIBUTION CENTER	3065885	SEFL SOUT FREIC
01700	1	0	Panel MG-Guillen	NF MB Panel (INTERIOR)	NF Panelboard	Invoiced	N	07/27/2023	07/13/2023	1	MONTERREY 1 PLANT	1081149213	SQAV EXPR
01800	1	0	Panel MG-Guillen	MH56	PANELBOARD ENCLOSURE/BOX TYPE 1 56H 20W	Invoiced	N	05/05/2023	05/03/2023	1	ATHENS DISTRIBUTION CENTER	3065885	SEFL SOUT FREIC
01900	1	0	Panel MG-Guillen	NC56SHR	PANELBOARD COVER/TRIM NF TYPE 1 S HR 56H	Invoiced	N	07/18/2023	07/17/2023	1	ATHENS DISTRIBUTION CENTER	1ZV349Y40338088015	UNITI SERV
02000	1	0	Panel MP-Guillen	I-Line MB Panel (INTERIOR)	I-Line Panelboard	Invoiced	N	11/15/2023	11/08/2023	1	EL PASO PLANT	1060571314	AVER EXPR
02100	1	0	Panel MP-Guillen	HCJ3273WP	PNLBD ENCLOSURE I-LINE 3R 73H 32W	Invoiced	N	06/22/2023	06/19/2023	1	ATHENS DISTRIBUTION CENTER	3214751	SEFL SOUT FREIC





**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval to Allocate 2016 Bond Interest Funds for Revised Net Zero Elementary School Conceptual Design Study in the Amount of \$41,150.00*

**JUSTIFICATION STATEMENT:**

(Approval of the proposed Bond Interest Fund allocation to authorize administration to proceed with the revised conceptual design study)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** S.B. Pierson/Ernesto L. Ortiz

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

Administrative is recommending the approval to utilize 2016 Bond Interest for a revised Net Zero Elementary School Conceptual Design Study on the new designated Ft. Bliss 15-acre site located across Sheridan Road. The revised study is needed for the grant application submission to the Public Schools in Military Installations (PSMI) Program. The Facilities & Construction Department requested a proposal from Carl Daniel Architects (CDA), utilizing the On-Call Architectural Service Agreement, Project No. 22.769.01B. CDA's proposal for \$41,150.00 will provide the same size and scope previously supplied on the Bliss Elementary School property along and a second option for a Combo School to include a single-story early child development for PreK through 2<sup>nd</sup> grade and a two-story building for grades 3 through 5 with shared common spaces.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended by Mr. S.B. Pierson, Chief Operations Officer; and Mr. Ernesto Ortiz, Director of Maintenance, Buildings, and Grounds, that the Board authorize the allocation of 2016 Bond Interest funds for the revised Net Zero Elementary School Conceptual Design Study in the amount of \$41,150.00.

**FUNDING SOURCE:** 2016 Bond Interest Funds **ACCOUNT NO.:** 689.81.6499.932.99.000.xxx

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$41,150.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Upon approval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

▢ Description  
CDA Proposal



31 May 2024

Ms. Ericka Siciliano  
EPISD Coordinator  
1100 N. Stanton, 8<sup>th</sup> Floor  
El Paso, Texas 79901

**Re: Net Zero Elementary Study  
Fort Bliss, Texas**

Dear Ms. Siciliano,

**Carl Daniel Architects (CDA)** is pleased to submit this fee proposal to provide **Architectural / Engineering Services** for a **Study** to locate a new **Elementary School** on the Campus of Fort Bliss here in El Paso, Texas.

Our team includes **Pfluger Architects, CMTA Engineers** and **Balis Cost Estimating**. Pfluger Architects and CMTA Engineers have extensive experience in the design of Net Zero Educational Facilities. Balis and Company has experience with cost estimating Net Zero Facilities. CDA has completed a Pre-K–5 Elementary School for Canutillo Independent School District.

We understand this study will look at a 15-acre site located across Sheridan Road, from the original 10-acre site. An existing church, which will remain, is located in the Northwest corner of the new site. EPISD would like the main public entry to be off Sheridan Road on the West Side of the new site with the bus entry off Haan Road which is on the North Side of the site. This project will include Net Zero Design.

EPISD would like out study to include two schemes.

**SCHEME A:** To include an Elementary School the same size and scope as our first study. This may be as simple as putting the original design on the new site. EPISD will require an updated Cost Estimate that would add one year of escalation. This school would have the same program as before.

**SCHEME B:** Combo School scope to include a single-story Early Child Development Pre-K–1 and 2 grades and a two-story grades 3 through 5 with shared common spaces, such as cafeteria, library etc. This scope will also have a new cost estimate.

31 May 2024

**Re: Net Zero Elementary School Study  
Fort Bliss, Texas**

We suggest our design team complete the two site plan studies with a cost estimate for each. The time frame will be three weeks from Notice to Proceed. A review meeting with EPISD staff will be scheduled to discuss Scheme A and Scheme B. Our out-of-town consultants will attend this meeting via teleconference.

After a site plan, Scheme A or B is selected, we will update the original Proposal Information for Submittal to the Department of Defense (DOD). This second phase will be completed in five additional weeks for a total of eight weeks.

We propose a lump sum fee of **\$41,150**. Our fee breakdown is as follows:

CDA	\$ 5,000
Pfluger	\$28,150
Balis	\$ 8,000
<b>Total</b>	<b>\$41,150</b>

Our entire team would welcome the opportunity to work with El Paso Independent School District on this important Net Zero School project.

Sincerely,



Carl V. Daniel Jr., AIA, NCARB, LEED AP, CNU-a  
President  
2023-24/Contract



May 31, 2024

Mr. Carl V. Daniel Jr., AIA, LEED AP, NCARB, CNU-a  
CEO  
Carl Daniel Architects (CDA)  
305 Leon Street  
El Paso, TX 79901

***Re: Facility Assessment Architectural & Engineering Services Report:  
Scheme A & Scheme B Analysis***

Dear Mr. Daniel:

Pfluger Architects is pleased to present this proposal of services for your consideration.

## **Project Understanding**

We are thrilled to present this proposal to prepare a comprehensive report outlining the development of the New Bliss elementary campus by studying the feasibility of Scheme A and Scheme B on a new site proposed by the El Paso Independent School District (EPISD). The new site is approximately 15 acres across Sheridan Road adjacent to the old site. Once the district selects a scheme, our team will develop a comprehensive report to be submitted to the Department of Defense in conjunction with EPISD.

This visionary project entails the construction of a state-of-the-art educational facility spanning approximately 120,000 square feet, strategically situated on the existing school site to accommodate 800 to 900 students. In compliance with EPISD's Educational Specifications for Elementary Schools, the campus will encompass 38 classrooms for grades PK-5, a science lab, and six collaboration areas accessible to all students. Moreover, it will feature essential amenities such as restrooms, an administration area, outdoor learning/recreation spaces, and building support services, including custodial and food and nutrition services. Adhering to Department of Defense anti-terrorism and force protection standards, the proposed facility will aim to achieve LEED silver certification and Net Zero components.

From this visionary project, EPISD would like our study to include the following schemes:

- **SCHEME A** – Includes Elementary School that is described above as our first study. EPISD will require an updated Cost Estimate, adding one year of escalation.
- **SCHEME B**—Combination Elementary School, similar to the description above, including a single-story holding Pre-K, 1& 2 grades, and a two-story holding grades 3 through 5. The buildings will share common spaces such as the cafeteria, library, green space, covered play areas, etc. This scheme will also have a cost estimate per EPISD's request.



## Basic Services – Facility Assessment Support

The following services shall be provided as part of Pfluger's *Basic Services*.

- Engage in the design, research, and documentation of the New Bliss Elementary campus that includes findings through,
  - Analysis of the existing EPISD's proposed Educational Specifications for Elementary Schools.
  - Evaluation and assessment of the requirements associated with Department of Defense anti-terrorism and force protection standards to ensure campus security.
  - Analysis of the necessary measures and procedures to attain a LEED silver certification, emphasizing the incorporation of sustainable and environmentally friendly design principles.
  - Comprehensive discussion on the integration of Net Zero components into the campus to enhance energy efficiency and promote sustainability.
  - Development of a design solution for the site and building elevation.
  - Develop an analysis of the new site across Sheridan Road from the existing Ft. Bliss Elementary School.
  - Conduct an extensive analysis of Scheme A and Scheme B.
  - Present both schemes to EPISD and develop comprehensive report for the scheme selected by the district
- Deliverables
  - Comprehensive analysis of Scheme A and Scheme B
    - Develop a conceptual elevation, providing a visual representation of design of each Scheme.
    - Develop a Site Utilization Plan/Proposed Site Plan, outlining the optimal layout and utilization of the campus.
    - Summary of spaces/building program
  - Comprehensive report for the scheme selected by the district

## Additional Services

The scope of services involves all other work and services not identified in the scope associated above. This work may include the following or any other scope identified throughout the bond planning and election processes.

- Further development of the design, including three-dimensional imagery and/or floor plan for the campus to be used to communicate the district's vision.
- Additional architectural renderings and/or videography that may be needed to support the district's vision.
- Cost estimating will be provided by Carl Daniel Architects.
- All services required of other consultants are not identified within this proposal.



## Supplemental Architectural & Engineering Services

Supplemental services shall include but not limited to the following as required as additional services:

- Landscape design.
- Civil engineering.
- Mechanical, Electrical, and Plumbing engineering- any additional information that EPISD would request beyond the previous report submitted last year.

## Excluded Architectural & Engineering Services

- Geotechnical engineering.
- Coordination with testing agencies.
- Graphic design.
- Zoning variance filing.
- Surveying.
- Historic Tax Credit services.
- Change of scope requested by the users or owner resulting in additional work.
- Special inspection of structural elements.
- Re-design due to unforeseen existing conditions.

## Compensation

Pfluger Architects will provide the services as identified for the following fee:

- **Total Fee:** **\$28,150.00**

Additional District on-site meetings or work not described herein shall be billed on an hourly rate basis per person per the following rates:

- Managing Principal/Director of Design: \$310.00/HR
- Lead Designer/Senior Project Manager: \$240.00/HR
- Visualization Designer: \$195.00/HR

## Reimbursable Expenses

Any additional travel expenses, including mileage, meals, parking, transportation, and lodging, will be billed at cost plus 10% to cover administrative responsibilities. Printing costs will also be billed at cost plus 10% to cover administrative responsibilities.

## Invoicing and Payments

Payments shall be billed upon completion of the following:

- Presentation of Scheme A and Scheme B: \$14,150.00
- Deliverables: \$14,000.00

Pfluger will invoice CDA for \$28,150.00 plus any reimbursable expenses to cover the firm's fees. Payment is due within thirty days (30) of receipt of the invoice.



## Acceptance of Proposal

Please indicate your acceptance of this proposal by selecting the commitment option below AND signing and returning one copy for our files. Upon receipt of the executed proposal, Pfluger Architects will proceed with services under the above terms and begin developing the *AIA Document B101-2017 - Standard Form of Agreement Between Owner and Architect*.

Thank you very much for considering Pfluger Architects for this exciting project. Please do not hesitate to contact us if you have any questions.

Respectfully submitted,

A handwritten signature in blue ink, reading "Isabel Corsino". The signature is written over a horizontal line.

Isabel Corsino, Managing Principal  
Pfluger Architects

A horizontal line for a signature.

Mr. Carl V. Daniel Jr, CEO  
Carl Daniel Architects



**Board of Trustees**

**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Approval of 2016 Bond Interest Fund Allocation for Dr. Torres Classroom Building "C" Conversion to Refrigerated Air in the Amount of \$1,537,304.00*

**JUSTIFICATION STATEMENT:**

(Approval of the proposed Bond Interest Fund allocation to authorize administration to proceed with the implementation of a Bond Gap project)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** S. B. Pierson, Chief Operations Officer

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

The Facilities & Construction Department, along with the Maintenance, Buildings, and Grounds Department administration, is recommending that the Board approve the identified Dr. Torres Classroom Building "C" Conversion to Refrigerated Air Project, to be funded with 2016 Bond Interest proceeds under the authority of the Board.

The conversion of building "C" from evaporative cooling to refrigerated air-cooling will consist of the removal of 29 existing evaporative coolers along with their associated exhaust fan and supply/return ductwork, for the new installation of direct expansion packaged rooftop units (RTUs), providing the school improved air quality, energy-efficient functionality, and comfort. The proposed scope of work is estimated in the amount of \$1,537,304.00.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended by Mr. S.B. Pierson, Chief Operations Officer, and Mr. Ernesto Ortiz, Director of Maintenance, Buildings, and Grounds, that the Board approve the allocation of 2016 Bond Interest funds, for the Dr. Torres Classroom Building "C" Conversion to Refrigerated Air project, in the amount of \$1,537,304.00.

**FUNDING SOURCE:** 689x Bond Interest Fund **ACCOUNT NO.:** 689.81.6624.932.99.932.99.100.554

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$1,537,304.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Upon approval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

▣ Cost Estimate

**HVAC Upgrade Summary Report  
Torres Elementary School  
El Paso Independent School District**

**Project Overview:** The recommended project involves upgrading the HVAC system at Torres Elementary School. The scope shall include the removal of 29 existing evaporative coolers with their associated exhaust fan and supply/return ductwork. Then, installation of new direct expansion (Dx) packaged rooftop units (RTUs) with new ductwork will be provided to serve the existing areas. All new equipment shall receive new controls. New roof curbs shall be provided for all new equipment, or the existing roof mounted equipment stands shall be modified to support the new RTUs. The existing rooms are also equipped with electric strip heaters that will also be removed. The new equipment shall be equipped with natural gas heating. The existing gas system shall be expanded to serve the new RTUs. Upgrading the facility’s HVAC will impact the electrical power system, the addition of approximately 3 electrical panels is assumed based on the quantity and locations of the new RTUs. The interior areas included in the renovation have a fire barrier below the roof decking. This barrier shall be removed and reinstalled as required to complete the work.

**Proposed Scope of Work/Estimated Construction Cost:**

1. Demolition (\$58,000) - 29 Existing Evaporative Coolers and the associated ductwork:
  - Cost per Unit: \$2,000
2. New Packaged RTUs (\$787,500) - 30 New Units (Approx. 2.5 tons each) with new ductwork:
  - Cost per Ton: \$10,500
  - Cost includes roofing cost associated with setting new units.
3. Natural Gas Piping (\$88,000) - Provide approximately 1100 liner feet of new gas piping from the existing meter at southeast corner of the site to the new RTUs.
  - Cost per Linar Foot: \$80
4. Structural reinforcement (\$30,000) - Provide reinforcement at each new Dx Packaged RTU:
  - Cost per Unit: \$1,000
5. New HVAC Controls (\$165,000) - 30 New RTUs:
  - Cost per Unit: \$5,500
6. Electrical Power (\$48,750) – Approximately 3 new electrical panels:
  - Cost per Panel: \$16,250
7. Replace Acoustical Ceiling Grid (\$175,000) - Approximately 50,000 Square Feet:
  - Cost per Square Foot: \$3.50

<b>Estimated Construction Cost:</b>	<b>\$1,352,250</b>
<b>3% Contingency</b>	<b>\$40,567</b>
<b>3% for bonding and insurance:</b>	<b>\$40,567</b>
<b>Fixed design fee:</b>	<b>\$103,920</b>
<b>Total Project Cost:</b>	<b><u>\$1,537,304</u></b>

This budget summary provides an overview of the costs associated with the proposed project at Torres Elementary School for the El Paso Independent School District. The project aims to enhance the school's cooling efficiency and infrastructure by replacing outdated systems with modern, efficient equipment. The project cost included in this report is an opinion of probable cost associated with the initial scope of work provided.



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Award of Canyon Hills Shade Structures, Project No. 24.550A, Utilizing Region 19 Allied States Cooperative, RFP #22-7425, to The Playwell Group, Inc. (Budgeted Operating Funds - \$176,474.44)*

**JUSTIFICATION STATEMENT:**

(Approval is needed to proceed with construction)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** S.B. Pierson/Ernesto L. Ortiz

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

Texas Education Code 44.031(a), Texas Government Code Chapter 2269, and Board Policy CV (Legal) provide for eight (8) methods of delivery of construction services. As one of the available methods, a school district may enter into a contract to purchase construction-related goods or services through a purchasing cooperative.

The Facilities & Construction Department is requesting approval from the Board to utilize Region 19 Allied States Cooperative, RFP #22-7425, to contract The Playwell Group, Inc., for the Canyon Hills Shade Structures, Project No. 24.550A, for \$176,474.44. The project will consist of two new shade structures, the demolition and disposal of existing fabric shade canopy with a new 18x27 metal shelter by the Gymnasium, and a new 60x25 shade structure between tennis courts and basketball courts. The duration of construction is anticipated at one hundred eighty (180) calendar days.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended by Mr. Ernesto Ortiz, Director of Maintenance, Buildings & Grounds, and Mr. S.B. Pierson, Chief Operations Officer, that the Board approve the Canyon Hills Shade Structures, Project No. 24.550A, utilizing Region 19 Allied States Cooperative, RFP #22-7425, to The Playwell Group, Inc., in the amount of \$176,474.44, as presented.

**FUNDING SOURCE:** 199X Operating Fund **ACCOUNT NO.:** 199.81.6624.045.99.603.550

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$176,474.44
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Upon approval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

	Description
□	Contract



**FACILITIES &  
CONSTRUCTION**

**EL PASO ISD**  
it starts **with us**

**CONTRACT DOCUMENTS MANUAL**

**AND**

**TECHNICAL SPECIFICATIONS**

**FOR**

**ESC REGION 19 JOC No. 22-7425**

**EPISD PROJECT No. 24.550A**

**PROJECT TITLE: CANYON HILLS SHADE STRUCTURES**

**Facilities & Construction  
1100 N. STANTON STREET  
EL PASO, TEXAS 79902**

## TABLE OF CONTENTS – JOB ORDER CONTRACT DOCUMENTS

Job Order Contract	JOC 1-3
Performance Bond	PeB1-2
Payment Bond	PaB 1-2-SP
Contract Amendment for Limited Sales, Excise and Use Tax	CA 1
Exemption Certificate	EC 1
Insurance Certificates	IC 1-12

### **CONTRACT CONDITIONS**

Standard Terms and Conditions for Job Order Contracts	STC 1-12
---	----------

### **TECHNICAL SPECIFICATIONS/SCOPE OF WORK**

Scope of Work and Schedule	S 1-3
Prevailing Wage Rates	WR 1-13
Certification	C-1
Contractor Certification (Criminal History)	C-2
Plans and Specifications	P&S 1-207

## **JOB ORDER CONTRACT**

THIS JOB ORDER CONTRACT (the "Contract") is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 2024 by and between The Playwell Group, Inc. ("Contractor") and the **El Paso Independent School District**, an independent school district and political subdivision of the State of Texas ("Owner"). Capitalized terms used in this Contract, unless otherwise defined herein shall have the meanings ascribed to them in the Proposal Documents.

### **WITNESSETH:**

That the Contractor and the Owner for the consideration hereinafter named agree as follows:

#### **ARTICLE I SCOPE OF WORK**

The Contractor agrees to provide all the materials and perform all the work as shown or required pursuant to Scope of Work included in this Contract for the Project entitled Project No. 24.550A Canyon Hills Shade Structures, ESC Region 19 JOC No. 22-7425.

#### **ARTICLE II TERM OF CONTRACT**

Work will begin upon notice to proceed and substantial completion shall be no more than One Hundred Eighty (180) calendar days thereafter. Final completion shall occur no later than thirty (30) days after substantial completion.

#### **ARTICLE III THE CONTRACT SUM**

Owner shall pay Contractor for the performance of the Contract, in current funds. The total sum is not to exceed a total amount of One Hundred Seventy Six Thousand Four Hundred Seventy Four Dollars 44/100 (\$176,474.44), which includes payment and performance bonds not to exceed the amount of Five Thousand Nine Hundred Sixty Seven 73/100 (\$5,967.73).

The Contract Sum is based upon Request for Proposals – Job Order Contracting & Facilities Construction Services – State of Texas for Education Service Center Region 19 – Allied States Cooperative ("ASC") RFP #22-7425 ("R19 Contract"). Contractor represents, warrants and covenants to Owner that the Contract Sum meets and does not exceed the Contractor requirements and pricing terms required by the R19 Contract. Contractor shall comply with the requirements in the R19 Contract. Contractor specifically warrants that its proposal pricing meets and does not exceed the RS Means Cost Breakdown requirements as defined by ESC Region 19 Allied States Cooperative.

#### **ARTICLE IV PROGRESS PAYMENTS**

The Owner shall make payments on account of the Contract as provided therein as follows:

Within thirty (30) days following Owner's receipt of an Application for Payment, Owner shall pay to the Contractor ninety-five percent (95%) of the value, less the aggregate of previous payments. The Owner shall not be obligated to make more than one (1) payment during any thirty (30) day period. Upon completion of the Work, Owner shall pay to Contractor a sum sufficient to increase the total payment to one hundred percent (100%) of the Project, less the amount reflecting the Owner's determination of the amount required for the Owner to complete any pending items.

#### **ARTICLE V ACCEPTANCE AND FINAL PAYMENT**

Final payment for the Work shall be due thirty (30) days after Final Acceptance of the Work under this Contract, provided the Work is fully completed and the Contract fully performed.

#### **ARTICLE VI LIENS**

No mechanic, contractor, subcontractor, supplier or other person can or will contract for or in any manner have or acquire any lien upon the buildings or works covered by the Contract, or the land upon which the same is situated.

#### **ARTICLE VII**

## INSURANCE

The Contractor hereby certifies that it has in full force and effect all of the insurance as follows:

1. **Liability Insurance.** The Contractor shall purchase and maintain such insurance as will protect Contractor and the Owner from claims set forth below which may arise out of or result from the Contractor's operations under the Contract, whether such operations be by himself or by any Subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable in the amounts hereinafter set forth:
2. **Employer's Liability Coverage.** Lines of Five Hundred Thousand and No Dollars (\$500,000.00) per accident per employee per lease. In addition, if employees will be provided through a leasing company, Contractor shall provide Owner with a copy of the leasing company's Texas State License and evidence of workers' compensation coverage insuring the leased employees.
3. **Commercial General Liability Insurance.** Contractor shall maintain commercial general liability insurance with a combined single line of One Million and No Dollars (\$1,000,000.00) covering claims for damages because of bodily injury, sickness or disease, death and property damage, with an endorsement naming Owner as Additional Insured. Such insurance shall be on a commercial general liability form and provide coverage on an occurrence per project basis. The following coverages shall be included:
  - (a) Premises and Operations coverage, including coverage for explosion, collapse and underground damage, if applicable;
  - (b) Products and Completed Operations coverage;
  - (c) Blanket contractual coverage;
  - (d) Personal and Advertising Injury coverage;
  - (e) Fire damage with a limit of One Hundred Thousand and No Dollars (\$100,000.00);
  - (f) An endorsement naming Owner as an additional insured; and
  - (g) Deductible limitation Five Thousand and No Dollars (\$5,000.00).
4. **Business Auto Liability Insurance.** Contractor shall provide Business Automobile Liability Insurance, including (a) any auto, or (b) all owned, hired and non-owned automobiles, in an amount of not less than One Million Dollars (\$1,000,000.00). An endorsement naming Owner as Additional Insured shall be provided.
5. **Umbrella Liability Insurance.** Contractor shall provide an umbrella policy in an amount of not less than Two Million Dollars (\$2,000,000.00) for bodily injury and/or property damage liability listing above underlying policies, with an endorsement naming Owner as Additional Insured.
6. **Property Insurance.**

The Contractor shall purchase and maintain Builder's Risk Insurance upon the entire Work at the site to the full insurable value thereof until Final Acceptance of the Project by the Owner. Such insurance shall:

  - (a) be "All Risk" insurance or "Special Form" coverage;
  - (b) include the interests of the Owner (including its agents), the Contractor, subcontractors and sub-subcontractors in the Work and shall, without limitation, insure against the perils of fire and extended coverage and physical loss or damage including, without duplication of coverage, theft (of property, tools, equipment, vehicles) vandalism and malicious mischief, collapse and water damage, flood and earthquake, testing and debris removal, including demolition occasioned by enforcement of any applicable legal requirements;
  - (c) cover reasonable compensation for Consultant's services and expenses required as a result of such insured loss.
  - (d) if not covered under Builder's Risk Insurance or otherwise provided in the Contract Documents, the Contractor shall effect and maintain similar property insurance on portions of the Work stored off the site or in transit when such portions of the Work are to be included in an Application for Payment. At Owner's discretion, Owner may accept an installation floater in lieu of Builder's Risk Insurance in the amount of the contract value.
7. Contractor shall maintain all of the foregoing insurance coverage in force until Final Acceptance of the Work other than the Products and Completed Operations Coverage required under Subparagraph 6.1.2(b) above, which shall be maintained for three (3) years following Final Acceptance of the Work.

8. If by the terms of this insurance any mandatory deductions are required, or if the Contractor should elect, with the concurrence of the Owner, to increase the mandatory deductible amounts or purchase this insurance with voluntary deductible amounts, the Contractor shall be responsible for payment of the amount of the deductible in the event of a paid claim.

9. Losses are to be adjusted with the Owner. All insurance policies shall provide for occupancy by the Owner prior to Final Acceptance.

The Contractor further certifies that the Contractor provides workers' compensation insurance coverage for all of its employees who will be employed for any of the Work described herein. The Contractor agrees to require each of its subcontractors to provide a certificate to the Contractor certifying that all of the subcontractor's employees are covered by workers' compensation insurance, and the Contractor shall deliver such certificate(s) to the Owner prior to commencement of the Work.

**ARTICLE VIII  
THE REGION 19 CONTRACT**

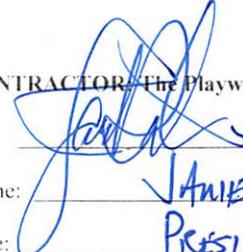
This Contract is subject to the terms and conditions of the Region 19 Contract.

IN TESTIMONY WHEREOF, the parties have executed this Contract in quadruplicate effective on the day and year first set forth above.

ATTEST:

By: \_\_\_\_\_

CONTRACTOR: ~~The Playwell Group, Inc.~~

By:   
Name: JAMES D. ROBERTSON  
Title: PRESIDENT

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_  
Name: Diana Sayavedra  
Title: Superintendent

*Approval on its Face*

Signed: Thursday, June 13, 2024



Signed: Thursday, June 13, 2024

**PERFORMANCE BOND**  
(Chapter 2253, Texas Government Code)

THE STATE OF TEXAS  
COUNTY OF EL PASO

**KNOW ALL MEN BY THESE PRESENTS:** That we  
\_\_\_\_\_, (Full Name of Contractor) a \_\_\_\_\_ of  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ hereinafter called Principal, (Full Address of Contractor) and  
\_\_\_\_\_  
(Full Name of Surety)

of \_\_\_\_\_, State of \_\_\_\_\_,  
(City)

hereinafter called the Surety, are held and firmly bound unto the El Paso Independent School District, hereinafter called Owner, in the penal sum of One Hundred Seventy Six Thousand Four Hundred Seventy Four Dollars 44/100 Dollars (\$176,474.44) in lawful money of the United States, to be paid in El Paso, El Paso County, Texas, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

**WHEREAS**, the Principal entered into a certain Contract with the Owner, dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, (the "Contract") for the construction of: Canyon Hills Shade Structures (Project No. 24.550A) which Contract is incorporated herein by this reference;

**NOW, THEREFORE**, if the Principal shall well, truly and faithfully perform the Contract in accordance with the Plans, Specifications and other Contract Documents during the original term thereof, INCLUDING ANY WARRANTY AND GUARANTY PERIODS, and any extensions thereof which may be granted by the Owner, with or without notice to the Surety, and if he shall satisfy all claims and demands incurred under such Contract, and shall fully indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense which the Owner may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect. Whether the Contractor has defaulted under the Contract, and the duties and responsibilities of the Surety in the event of such default, shall be determined in accordance with the terms of the Contract.

**PROVIDED FURTHER**, that if any legal action be filed upon this bond, venue shall lie in El Paso County, State of Texas and that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the Contract or to the Plans or Specifications accompanying the same shall in anywise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition.

All notices to the Principal or Surety may be mailed or delivered to the address shown following their respective signatures below.

**IN WITNESS WHEREOF**, this instrument is executed in five (5) counterparts, each one of which shall be deemed an original, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

**PRINCIPAL:**

ATTEST:

The Playwell Group, Inc.

By \_\_\_\_\_  
Secretary

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

\_\_\_\_\_  
Witness as to Principal (if a Partnership or Individual)

\_\_\_\_\_  
\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Address)

By: \_\_\_\_\_

Name: \_\_\_\_\_

Partner

By: \_\_\_\_\_

Name: \_\_\_\_\_

Partner

**SURETY:**

By: \_\_\_\_\_

Name: \_\_\_\_\_

Attorney-in-Fact

\_\_\_\_\_  
\_\_\_\_\_  
(Address)

**THE ADDRESS OF THE SURETY TO WHICH A NOTICE OF CLAIM SHOULD BE SENT MAY BE OBTAINED FROM THE TEXAS DEPARTMENT OF INSURANCE BY CALLING THE FOLLOWING TOLL-FREE TELEPHONE NUMBER: 800/252-3439**

NOTE: Date of Bond must not be prior to date of Contract.  
If Contractor is a Partnership, all partners must execute bond.

**PAYMENT BOND**  
(Chapter 2253, Texas Government Code)  
(Job Order Contract)

THE STATE OF TEXAS  
COUNTY OF EL PASO

**KNOW ALL MEN BY THESE PRESENTS:** That we \_\_\_\_\_  
of \_\_\_\_\_ hereinafter called Principal, and  
\_\_\_\_\_ of \_\_\_\_\_  
(Full Name of Surety) (City)

State of \_\_\_\_\_, hereinafter called the Surety, are held and firmly bound unto the El Paso Independent School District, hereinafter called Owner, in the penal sum of One Hundred Seventy Six Thousand Four Hundred Seventy Four Dollars 44/100 (\$176,474.44). In lawful money of the United States, to be paid in El Paso, El Paso County, Texas, the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

**WHEREAS**, the Principal entered into a certain Job Order Contract with the Owner, dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, (the "Contract") for the Minor Construction, Repair, Rehabilitation and Alteration of Facilities of: \_\_\_\_\_  
Canyon Hills Shade Structures (JOC No. 22-7425 (Project No. 24.550A)

**WHEREAS**, pursuant to the Contract, Owner has issued the Contract effective the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ (the "Contract").

**NOW, THEREFORE**, the condition of this obligation is such that, if the Principal shall promptly make payment to all payment bond beneficiaries as defined in Chapter 2253, Texas Government Code, as amended, supplying labor and materials in the prosecution of the Work provided herein, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

This bond is made and entered into solely for the protection of all payment bond beneficiaries supplying labor and material in the prosecution of the work provided for in said Contract for said Contract for said Contract, and all payment bond beneficiaries shall have a direct right of action under this bond as provided in Chapter 2253, Texas Government Code, as amended.

**PROVIDED FURTHER**, that if any legal action be filed upon this bond, venue shall lie in El Paso County, State of Texas and that the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract shall in anywise affect its obligation on this bond, and the Surety does hereby waive notice of any such change, extension of time, alteration or addition.

**PROVIDED FURTHER**, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

All notices to either the Principal or the Surety may be delivered to the address shown following their respective signatures below.

**IN WITNESS WHEREOF**, this instrument is executed in three (3) counterparts, each one of which shall be deemed an original, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

**PRINCIPAL: The Playwell Group, Inc.**

ATTEST:

By: \_\_\_\_\_  
Secretary

\_\_\_\_\_  
By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

\_\_\_\_\_  
Witness as to Principal (if a Partnership  
or Individual)

\_\_\_\_\_  
\_\_\_\_\_  
(Address)

**THE ADDRESS OF THE SURETY TO WHICH  
A NOTICE OF CLAIM SHOULD BE SENT  
MAY BE OBTAINED FROM THE TEXAS  
DEPARTMENT OF INSURANCE BY CALLING  
THE FOLLOWING TOLL-FREE TELEPHONE  
NUMBER:**

**800-252-3439**

NOTE: Date of Bond must not be prior to date of the Contract.  
If Contractor is a Partnership, all partners must execute bond.

\_\_\_\_\_  
\_\_\_\_\_  
(Address)

By: \_\_\_\_\_

Name: \_\_\_\_\_  
Partner

By: \_\_\_\_\_

Name: \_\_\_\_\_  
Partner

**SURETY:**

\_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_  
Attorney-in-Fact

\_\_\_\_\_

\_\_\_\_\_  
(Address)



**EXEMPTION CERTIFICATE**

The undersigned hereby claims an exemption from payment of taxes under Chapter 151, Texas Tax Code, known as the Limited Sales, Excise, and Use Tax Act, for the purchase of the tangible personal property described on the attached order or invoice which is made a part hereof, and will be purchased from \_\_\_\_\_.

The reason that the undersigned is claiming this exemption is: The material listed is to be used in the construction of Canyon Hills Shade Structures, Project No. 24.550A, El Paso, Texas and an exemption is claimed under Section 151.309 of the Texas Tax Code. All of such material is to be furnished to the EL PASO INDEPENDENT SCHOOL DISTRICT, for which the improvements are being constructed by the undersigned.

The undersigned agrees that if the property is used in such a manner as to subject the sale thereof to tax under the Texas Limited Sales, Excise and Use Tax Act, the undersigned becomes liable for the tax.

EXECUTED this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

**CONTRACTOR:**

The Playwell Group, Inc. \_\_\_\_\_

By:  \_\_\_\_\_

Name: Arturo Cervantes \_\_\_\_\_

Title: Vice President \_\_\_\_\_

EL PASO Independent School District TAX EXEMPT NO. 1-74-6000769-7



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
5/21/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Cooper Risk Advisors, LLC PO Box 638 904 N Main Street Lapel IN 46051		<b>CONTACT NAME:</b> Bill Hodgkins <b>PHONE (A/C, No, Ext):</b> 765-534-3152 <b>FAX (A/C, No):</b> 888-262-9217 <b>E-MAIL ADDRESS:</b> billh@cooperindiana.com	
<b>INSURED</b> The Playwell Group, Inc. & Playworks, Inc. 203A Highway 46 E Boerne TX 78006		<b>INSURER(S) AFFORDING COVERAGE</b> <b>NAIC #</b> INSURER A: Tokio Marine Insurance Company INSURER B: Hartford Fire Insurance      19682 INSURER C: Selective Insurance Company INSURER D: INSURER E: INSURER F:	

**COVERAGES**      **CERTIFICATE NUMBER:** 614454543      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> XCU/Broad Form GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	PPK2651454	2/1/2024	2/1/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y	34 UEC AA8064	2/1/2024	2/1/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR    Y <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 50	Y	PUB899192	2/1/2024	2/1/2025	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A	34 WEC AX5J19	2/1/2024	2/1/2025	PER STATUTE    OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Installation Floater		S2563381	2/1/2024	2/1/2025	Occurrence Limit \$250,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
RE: Canyon Hills Middle School

The certificate holder is an additional insured for general liability, auto liability and excess liability as/If required by written contract or agreement. Excess liability is follow-form over general liability, auto liability and employer's liability.

<b>CERTIFICATE HOLDER</b>  El Paso ISD 1100 N. Stanton 8th Floor El Paso TX 79902	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
--	--

© 1988-2015 ACORD CORPORATION. All rights reserved.

ACORD 25 (2016/03)

The ACORD name and logo are registered marks of ACORD

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**WAIVER OF TRANSFER OF RIGHTS OF RECOVERY  
AGAINST OTHERS TO US (WAIVER OF SUBROGATION)**

This endorsement modifies insurance provided under the following:

- COMMERCIAL GENERAL LIABILITY COVERAGE PART
- ELECTRONIC DATA LIABILITY COVERAGE PART
- LIQUOR LIABILITY COVERAGE PART
- POLLUTION LIABILITY COVERAGE PART DESIGNATED SITES
- POLLUTION LIABILITY LIMITED COVERAGE PART DESIGNATED SITES
- PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
- RAILROAD PROTECTIVE LIABILITY COVERAGE PART
- UNDERGROUND STORAGE TANK POLICY DESIGNATED TANKS

**SCHEDULE**

<p><b>Name Of Person(s) Or Organization(s):</b> AS REQUIRED BY WRITTEN CONTRACT PRIOR TO AN "OCCURRENCE".</p>
<p>Information required to complete this Schedule, if not shown above, will be shown in the Declarations.</p>

The following is added to Paragraph 8. **Transfer Of Rights Of Recovery Against Others To Us** of **Section IV – Conditions:**

We waive any right of recovery against the person(s) or organization(s) shown in the Schedule above because of payments we make under this Coverage Part. Such waiver by us applies only to the extent that the insured has waived its right of recovery against such person(s) or organization(s) prior to loss. This endorsement applies only to the person(s) or organization(s) shown in the Schedule above.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART  
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

**SCHEDULE**

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
AS REQUIRED BY WRITTEN CONTRACT PRIOR TO AN "OCCURRENCE".	ALL LOCATIONS.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

**A. Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

**B.** With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
  2. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED – OWNERS, LESSEES OR  
CONTRACTORS – SCHEDULED PERSON OR  
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

**SCHEDULE**

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
AS REQUIRED BY WRITTEN CONTRACT PRIOR TO AN "OCCURRENCE".	ALL LOCATIONS.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

**A. Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions, or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

**B.** With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**DESIGNATED CONSTRUCTION PROJECT(S) GENERAL AGGREGATE  
LIMIT  
WITH MAXIMUM POLICY AGGREGATE LIMIT**

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART**

**SCHEDULE**

<b>Designated Construction Project(s):</b>	
All projects performed by the Named Insured.	
<b>Designated Construction Project General Aggregate Limit of Insurance:</b>	<u>\$2,000,000</u>
<b>Maximum Policy Aggregate Limit of Insurance:</b>	<u>\$2,000,000</u>

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

- A.** For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under **SECTION I – COVERAGE A**, and for all medical expenses caused by accidents under **SECTION I – COVERAGE C**, which can be attributed only to ongoing operations at a single Designated Construction Project shown in the **SCHEDULE** above:
1. A separate Designated Construction Project General Aggregate Limit applies to each designated construction project, and that limit is equal to the amount shown in the **SCHEDULE** above. However, regardless of the number of construction projects and under no circumstances will we pay any more than the Maximum Policy Aggregate stated in the endorsement **SCHEDULE** above.
  2. The Designated Construction Project General Aggregate Limit is the most we will pay for the sum of all damages under Coverage **A**, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" regardless of the number of:
    - a. Insureds;
    - b. Claims made or "suits" brought; or
    - c. Persons or organizations making claims or bringing "suits."
  3. Any payments made under Coverage **A** for damages or under Coverage **C** for medical expense shall reduce the Designated Construction Project General Aggregate Limit for that designated construction project. Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Construction Project General Aggregate Limit for any other designated construction project shown in the **SCHEDULE** above.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**PRIMARY AND NON-CONTRIBUTORY INSURANCE**

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART  
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART**

- A. SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, 4. Other Insurance**, and all subparts thereof, as contained in the policy is deleted in its entirety and replaced with the following condition:

**4. Other Insurance**

If all of the other insurance permits contribution by equal shares, we will follow this method unless the insured is required by written contract signed by both parties, to provide insurance that is primary and noncontributory, and the "insured contract" is executed prior to any loss. Where required by a written contract signed by both parties, this insurance will be primary and non-contributing only when and to the extent as required by that contract.

However, under the contributory approach each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first. If any of the other insurance does not permit contributory by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

All other terms, conditions and exclusions under the policy are applicable to this endorsement and remain unchanged.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

## COMMERCIAL AUTOMOBILE BROAD FORM ENDORSEMENT

This endorsement modifies insurance provided under the following:

### BUSINESS AUTO COVERAGE FORM

To the extent that the provisions of this endorsement provide broader benefits to the "insured" than other provisions of the Coverage Form, the provisions of this endorsement apply.

#### 1. BROAD FORM INSURED

**Paragraph .1. - WHO IS AN INSURED - of Section II - Liability Coverage is amended to add the following:**

##### d. Subsidiaries and Newly Acquired or Formed Organizations

The Named Insured shown in the Declarations is amended to include:

- (1) Any legal business entity other than a partnership or joint venture, formed as a subsidiary in which you have an ownership interest of more than 50% on the effective date of the Coverage Form. However, the Named Insured does not include any subsidiary that is an "insured" under any other automobile policy or would be an "insured" under such a policy but for its termination or the exhaustion of its Limit of Insurance.
- (2) Any organization that is acquired or formed by you and over which you maintain majority ownership. However, the Named Insured does not include any newly formed or acquired organization:
  - (a) That is a partnership or joint venture,
  - (b) That is an "insured" under any other policy,
  - (c) That has exhausted its Limit of Insurance under any other policy, or
  - (d) 180 days or more after its acquisition or formation by you, unless you have given us notice of the acquisition or formation.

Coverage does not apply to "bodily injury" or "property damage" that results from an "accident" that occurred before you formed or acquired the organization.

##### e. Employees as Insureds

- (1) Any "employee" of yours while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

##### f. Lessors as Insureds

- (1) The lessor of a covered "auto" while the "auto" is leased to you under a written agreement if:

- (a) The agreement requires you to provide direct primary insurance for the lessor and

- (b) The "auto" is leased without a driver.

Such a leased "auto" will be considered a covered "auto" you own and not a covered "auto" you hire.

##### g. Additional Insured if Required by Contract

- (1) When you have agreed, in a written contract or written agreement, that a person or organization be added as an additional insured on your business auto policy, such person or organization is an "insured", but only to the extent such person or organization is liable for "bodily injury" or "property damage" caused by the conduct of an "insured" under paragraphs a. or b. of Who Is An Insured with regard to the ownership, maintenance or use of a covered "auto."

The insurance afforded to any such additional insured applies only if the "bodily injury" or "property damage" occurs:

- (a) During the policy period, and
- (b) Subsequent to the execution of such written contract, and

- (c) Prior to the expiration of the period of time that the written contract requires such insurance be provided to the additional insured.

(2) How Limits Apply

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the most we will pay on behalf of such additional insured is the lesser of:

- (a) The limits of insurance specified in the written contract or written agreement; or
- (b) The Limits of Insurance shown in the Declarations.

Such amount shall be a part of and not in addition to Limits of Insurance shown in the Declarations and described in this Section.

(3) Additional Insureds Other Insurance

If we cover a claim or "suit" under this Coverage Part that may also be covered by other insurance available to an additional insured, such additional insured must submit such claim or "suit" to the other insurer for defense and indemnity.

However, this provision does not apply to the extent that you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance.

(4) Duties in The Event Of Accident, Claim, Suit or Loss

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the additional insured shall be required to comply with the provisions in LOSS CONDITIONS 2. - DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS - OF SECTION IV - BUSINESS AUTO CONDITIONS, in the same manner as the Named Insured.

**2. Primary and Non-Contributory if Required by Contract**

Only with respect to insurance provided to an additional insured in A.1.g. - Additional Insured If Required by Contract, the following provisions apply:

- (1) Primary Insurance When Required By Contract

This insurance is primary if you have agreed in a written contract or written agreement that this insurance be primary. If other insurance is also primary, we will share with all that other insurance by the method described in Other Insurance 5. d.

(2) Primary And Non-Contributory To Other Insurance When Required By Contract

If you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance, this insurance is primary and we will not seek contribution from that other insurance.

Paragraphs (1) and (2) do not apply to other insurance to which the additional insured has been added as an additional insured.

When this insurance is excess, we will have no duty to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

- (1) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and
- (2) The total of all deductible and self-insured amounts under all that other insurance.

We will share the remaining loss, if any, by the method described in SECTION IV- Business Auto Conditions, B. General Conditions, Other Insurance 5. d.

**3. AUTOS RENTED BY EMPLOYEES**

Any "auto" hired or rented by your "employee" on your behalf and at your direction will be considered an "auto" you hire.

The SECTION IV- Business Auto Conditions, B. General Conditions, 5. OTHER INSURANCE Condition is amended by adding the following:

- e. If an "employee's" personal insurance also applies on an excess basis to a covered "auto" hired or rented by your "employee" on your behalf and at your direction, this insurance will be primary to the "employee's" personal insurance.

**4. AMENDED FELLOW EMPLOYEE EXCLUSION**

EXCLUSION 5. - FELLOW EMPLOYEE - of SECTION II - LIABILITY COVERAGE does not apply if you have workers' compensation insurance in-force covering all of your "employees".

Coverage is excess over any other collectible insurance.

**5. HIRED AUTO PHYSICAL DAMAGE COVERAGE**

If hired "autos" are covered "autos" for Liability Coverage and if Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form for any "auto" you own, then the Physical Damage Coverages provided are extended to "autos" you hire or borrow, subject to the following limit.

The most we will pay for "loss" to any hired "auto" is:

- (1) \$100,000;
- (2) The actual cash value of the damaged or stolen property at the time of the "loss"; or
- (3) The cost of repairing or replacing the damaged or stolen property,

whichever is smallest, minus a deductible. The deductible will be equal to the largest deductible applicable to any owned "auto" for that coverage. No deductible applies to "loss" caused by fire or lightning. Hired Auto Physical Damage coverage is excess over any other collectible insurance. Subject to the above limit, deductible and excess provisions, we will provide coverage equal to the broadest coverage applicable to any covered "auto" you own.

We will also cover loss of use of the hired "auto" if it results from an "accident", you are legally liable and the lessor incurs an actual financial loss, subject to a maximum of \$1000 per "accident".

This extension of coverage does not apply to any "auto" you hire or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company), or members of their households.

**6. PHYSICAL DAMAGE - ADDITIONAL TEMPORARY TRANSPORTATION EXPENSE COVERAGE**

Paragraph A.4.a. of SECTION III - PHYSICAL DAMAGE COVERAGE is amended to provide a limit of \$50 per day and a maximum limit of \$1,000.

**7. LOAN/LEASE GAP COVERAGE**

Under SECTION III - PHYSICAL DAMAGE COVERAGE, in the event of a total "loss" to a covered "auto", we will pay your additional legal

obligation for any difference between the actual cash value of the "auto" at the time of the "loss" and the "outstanding balance" of the loan/lease.

"Outstanding balance" means the amount you owe on the loan/lease at the time of "loss" less any amounts representing taxes; overdue payments; penalties, interest or charges resulting from overdue payments; additional mileage charges; excess wear and tear charges; lease termination fees; security deposits not returned by the lessor; costs for extended warranties; credit life insurance, health, accident or disability insurance purchased with the loan or lease; and carry-over balances from previous loans or leases.

**8. AIRBAG COVERAGE**

Under Paragraph B. EXCLUSIONS - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

The exclusion relating to mechanical breakdown does not apply to the accidental discharge of an airbag.

**9. ELECTRONIC EQUIPMENT - BROADENED COVERAGE**

a. The exceptions to Paragraphs B.4 - EXCLUSIONS - of SECTION III - PHYSICAL DAMAGE COVERAGE are replaced by the following:

Exclusions 4.c. and 4.d. do not apply to equipment designed to be operated solely by use of the power from the "auto's" electrical system that, at the time of "loss", is:

- (1) Permanently installed in or upon the covered "auto";
- (2) Removable from a housing unit which is permanently installed in or upon the covered "auto";
- (3) An integral part of the same unit housing any electronic equipment described in Paragraphs (1) and (2) above; or
- (4) Necessary for the normal operation of the covered "auto" or the monitoring of the covered "auto's" operating system.

b. Section III, Physical Damage Coverage, Limit of Insurance, Paragraph C.2. is amended to add the following:

\$1,500 is the most we will pay for "loss" in any one "accident" to all electronic equipment (other than equipment designed solely for the reproduction of sound, and accessories used with such equipment) that reproduces, receives or transmits audio, visual or data signals which, at the time of "loss", is:

- (1) Permanently installed in or upon the covered "auto" in a housing, opening or other location that is not normally used by the "auto" manufacturer for the installation of such equipment;
  - (2) Removable from a permanently installed housing unit as described in Paragraph 2.a. above or is an integral part of that equipment; or
  - (3) An integral part of such equipment.
- c. For each covered "auto", should loss be limited to electronic equipment only, our obligation to pay for, repair, return or replace damaged or stolen electronic equipment will be reduced by the applicable deductible shown in the Declarations, or \$250, whichever deductible is less.

**10. EXTRA EXPENSE - BROADENED COVERAGE**

Under Paragraph A. - COVERAGE - of SECTION III - PHYSICAL DAMAGE COVERAGE, we will pay for the expense of returning a stolen covered "auto" to you.

**11. GLASS REPAIR - WAIVER OF DEDUCTIBLE**

Under Paragraph D. - DEDUCTIBLE - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

No deductible applies to glass damage if the glass is repaired rather than replaced.

**12. TWO OR MORE DEDUCTIBLES**

Under Paragraph D. - DEDUCTIBLE - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

If another Hartford Financial Services Group, Inc. company policy or coverage form that is not an automobile policy or coverage form applies to the same "accident", the following applies:

- (1) If the deductible under this Business Auto Coverage Form is the smaller (or smallest) deductible, it will be waived;
- (2) If the deductible under this Business Auto Coverage Form is not the smaller (or smallest) deductible, it will be reduced by the amount of the smaller (or smallest) deductible.

**13. AMENDED DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS**

The requirement in LOSS CONDITIONS 2.a. - DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS - of SECTION IV - BUSINESS AUTO CONDITIONS that you must notify us of an "accident" applies only when the "accident" is known to:

- (1) You, if you are an individual;

- (2) A partner, if you are a partnership;
- (3) A member, if you are a limited liability company; or
- (4) An executive officer or insurance manager, if you are a corporation.

**14. UNINTENTIONAL FAILURE TO DISCLOSE HAZARDS**

If you unintentionally fail to disclose any hazards existing at the inception date of your policy, we will not deny coverage under this Coverage Form because of such failure.

**15. HIRED AUTO - COVERAGE TERRITORY**

SECTION IV, BUSINESS AUTO CONDITIONS, PARAGRAPH B. GENERAL CONDITIONS, 7. - POLICY PERIOD, COVERAGE TERRITORY - is added to include the following:

- (6) For short-term hired "autos", the coverage territory with respect to Liability Coverage is anywhere in the world provided that if the "insured's" responsibility to pay damages for "bodily injury" or "property damage" is determined in a "suit," the "suit" is brought in the United States of America, the territories and possessions of the United States of America, Puerto Rico or Canada or in a settlement we agree to.

**16. WAIVER OF SUBROGATION**

Paragraph 5. TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US - of SECTION IV - BUSINESS AUTO CONDITIONS A. Loss Conditions is amended by adding the following:

We waive any right of recovery we may have against any person or organization with whom you have a written contract that requires such waiver because of payments we make for damages under this Coverage Form.

**17. RESULTANT MENTAL ANGUISH COVERAGE**

The definition of "bodily injury" in SECTION V-DEFINITIONS, C. is replaced by the following:

"Bodily injury" means bodily injury, sickness or disease sustained by any person, including mental anguish or death resulting from any of these.

**18. EXTENDED CANCELLATION CONDITION**

Paragraph 2. of the COMMON POLICY CONDITIONS - CANCELLATION - applies except as follows:

If we cancel for any reason other than nonpayment of premium, we will mail or deliver to the first Named Insured written notice of cancellation at least 60 days before the effective date of cancellation.

**19. HYBRID, ELECTRIC, OR NATURAL GAS VEHICLE PAYMENT COVERAGE**

In the event of a total loss to a "non-hybrid" auto for which Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form, then such Physical Damage Coverages are amended as follows:

- a. If the auto is replaced with a "hybrid" auto or an auto powered solely by electricity or natural gas, we will pay an additional 10%, to a maximum of \$2,500, of the "non-hybrid" auto's actual cash value or replacement cost, whichever is less.
- b. The auto must be replaced and a copy of a bill of sale or new lease agreement received by us within 60 calendar days of the date of "loss."
- c. Regardless of the number of autos deemed a total loss, the most we will pay under this Hybrid, Electric, or Natural Gas Vehicle Payment Coverage provision for any one "loss" is \$10,000.

For the purposes of the coverage provision,

- a. A "non-hybrid" auto is defined as an auto that uses only an internal combustion engine to move the auto but does not include autos powered solely by electricity or natural gas.

- b. A "hybrid" auto is defined as an auto with an internal combustion engine and one or more electric motors; and that uses the internal combustion engine and one or more electric motors to move the auto, or the internal combustion engine to charge one or more electric motors, which move the auto.

**20. VEHICLE WRAP COVERAGE**

In the event of a total loss to an "auto" for which Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form, then such Physical Damage Coverages are amended to add the following:

In addition to the actual cash value of the "auto", we will pay up to \$1,000 for vinyl vehicle wraps which are displayed on the covered "auto" at the time of total loss. Regardless of the number of autos deemed a total loss, the most we will pay under this Vehicle Wrap Coverage provision for any one "loss" is \$5,000. For purposes of this coverage provision, signs or other graphics painted or magnetically affixed to the vehicle are not considered vehicle wraps.

**STANDARD TERMS AND CONDITIONS**  
**FOR JOB ORDER CONTRACTS**

The Contractor agrees that the Job Order Contract (the "Contract") shall be governed by the following terms and conditions.

**1. COMMENCEMENT OF WORK.**

1.1 No work shall be performed under the Contract unless has been executed by the Superintendent of Schools and insurance certificates and payment bond documents (if applicable) have been provided to the Owner.

1.2 The Contractor shall deliver to Owner a revised certified payroll listing the Contractor's employees and their respective job classifications. To the extent that the services of any employee require a license, Contractor shall deliver to Owner current licenses.

**2. THE WORK.** The Contractor shall:

2.1 be expected to provide all labor, equipment, supplies, materials, superintendence and testing necessary for completion of the Work. The Contractor shall complete such details of work for the successful operation of systems.

2.2 perform Work to be done in a neat and orderly manner, in accordance with industry standards, required code and adhere to the Owner's construction specifications.

2.3 pay all applicable costs, fees and permits.

2.4 upon completion of work, clear the job site of any and all debris. All work shall be scheduled as to be safe and shall not interfere with classes or meetings in any way unless approved by the Owner Maintenance, Buildings and Grounds Director due to special need or an emergency situation.

2.5 be on call 24 hours a day in case of an emergency. Upon award, the Contractor shall provide the Director for Facilities and Construction with the telephone number(s) of the person or persons to be called in case of an emergency. All calls shall only notice, with written authorization to follow.

2.6 provide only new equipment and materials, unless otherwise indicated in the Contract.

2.7 ensure that the manufacturer's name, address, model number and serial number are permanently attached in a conspicuous location, on all major equipment components.

2.8 ensure that all materials furnished under these specifications are the standard product of manufacturers regularly engaged in the production of such equipment and are the manufacturers' latest approved standard design.

2.9 comply fully and shall cause its Subcontractors and their respective employees to fully comply with all applicable federal, state, and local safety and health laws, ordinances, rules and regulations in the performance of the services, including but not limited to.

2.9.1 Executive Order 11246, Equal Opportunity Employment, as amended.

2.9.2 "Anti-Kickback" Acts.

2.9.3 Davis-Bacon Act, if applicable.

2.9.4 Sections 103 and 107 of the Contract Work Hours and Safety Standards Act.

2.9.5 Section 306 of the Clean Air Act, Section 508 of the Clean Water Act, Executive Order 11738, and the Environmental Protection Agency regulations 40 C.F.R., Part 51.

2.9.6 Energy Policy and Conservation Act (P.L. 94-163).

2.9.7 Latest update to Department of Labor Occupational Safety and Health Administration Regulation published in 29 C.F.R. Parts 1910 and 1926, dated Tuesday, August 9, 1994.

2.10 visit the premises where work is to be performed prior to start of work, as it is the Contractor's responsibility to identify all costs associated with a particular Contract.

2.11 carefully lay out all work in advance so as to minimize cutting, channeling, chasing or drilling of floor, walls, partitions, ceilings, etc.

2.12 perform all cutting, drilling, anchoring or welding of structural members in a manner having the Owner's prior approval.

- 2.13 fire seal any penetrations of firewalls per specific U.L. System Number.
- 2.14 perform any work details and materials not otherwise mentioned shall be included in the scope of work for this Contract.
- 2.15 with respect to electrical:
- 2.15.1 shall perform all cutting, channeling, drilling, etc. as required for the proper support, concealment, installation or anchorage of raceways, outlets, or electrical equipment in a careful manner. Any damage to the building, structure, equipment, or defaced finish or metal work shall be repaired by skilled workers of the trades involved at the bidder's expense and to the satisfaction of the Owner.
  - 2.15.2 ensure that all electrical personnel working on an Owner site are licensed and working under the supervision of a Master Electrician, as appropriate, at all times.
  - 2.15.3 shall provide a suitable box or crate electrical equipment and cover with waterproof covers to protect against dirt, moisture or other accidental exposure.
  - 2.15.4 where the Underwriters Laboratories (UL) have established standards and issued labels for a particular group, class or type of material, apparatus, type of appliance or device, shall provide the UL label on all such items in that category incorporated into the work.
  - 2.15.5 where such items are not covered by UL standards, meet or exceed the requirements of the current National Electric Code (NEC) or, if not covered there, by the applicable published recognized standard of the American National Standards Institute (ANSI) or the industry, and the related engineering society. Example: National Electrical Manufacturers Association (NEMA) and Institute of Electrical and Electronics Engineers (IEEE).
- 2.16 with respect to carpentry:
- 2.16.1 adhere at all times to general practices for the carpentry trade within the scope of work. A Carpentry Foreman shall supervise work performed.
  - 2.16.2 where specified, in the Scope of Work, use only the type of materials specified.
- 2.17 with respect to painting:
- 2.17.1 adhere at all times to general practices for the painting trade within the scope of work. A Supervisor shall supervise work performed.
  - 2.17.2 where specified, use only the type of paint (brand and color) specified for the completion of the work.
- 2.18 mark equipment in detail according to the specifications or in the same manner as existing equipment being replaced, (no dymo (stick-on indented plastic) label will be permitted) and identify equipment as designated by Owner.
- 2.19 retain all portable and detachable parts or portions of installation until final completion of work. These parts shall be delivered to the Owner Maintenance, Buildings and Grounds Director and acknowledged as itemized receipts to obtain request for final payment.
- 2.20 use all means necessary to protect the work and materials before, during and after installation and to protect the work and materials of all other surroundings.
- 2.21 in the event of damage, immediately make all repairs and replacements necessary to the approval of Owner, with no additional cost to the Owner.
- 2.22 store and protect materials and equipment in accordance with the manufacturer's recommendations.
- 2.23 use only thoroughly trained and experienced workmen completely familiar with the items required or with the manufacturer's recommended methods of installations. In acceptance or rejection of work performed, no allowance will be made for the lack of skill on the part of the worker(s).
- 2.24 where details or specific installation specifications are not included, follow approved manufacturer's recommendations.
- 2.25 install, complete, thoroughly check, correctly adjust, clean and leave ready for operations all equipment and material connected with the project.
- 2.26 cooperate with other parties and Contractors so that the installation of materials and equipment may be properly coordinated and provide minimum disruption.

2.27 furnish three (3) copies of the operating maintenance manuals to the Owner, as well as copies of all approved submittal data as it applies.

2.28 be fully responsible to the Owner for all acts and omissions of the Subcontractors just as the Contractor is responsible for the Contractor's own acts and omissions. Nothing in the Contract shall create for the benefit of any such Subcontractor any contractual relationship between the Owner and any such Subcontractor, nor shall it create any obligation on the part of the Owner to pay or to see to the payment of any monies due any such Subcontractor except as may otherwise be required by law.

2.29 for jobs exceeding thirty (30) days, provide thirty (30) day progress reports indicating current status of the Work to include verification of work schedule and percentage of Work completion.

2.30 maintain and will cause its Subcontractors to maintain a daily log for each worksite in form acceptable to Owner and which, at a minimum, identifies time-in/time-out for each employee and his/her job classification.

### **3. PREVAILING WAGE RATE.**

3.1 The Owner has determined a Prevailing Wage Rate Schedule of Per Diem Wages for most crafts or types of workmen or mechanics, and has specified this rate. These rates, set out elsewhere, form part of the Contract Documents, and are incorporated herein by reference in their entirety. Except as set forth in Section 3.2, the Contractor and any Subcontractor under him shall pay no less than the aforesaid rates. Nothing herein shall prevent the payment of an amount greater than such rates. The provisions of Chapter 2258 of Texas Government Code, as presently in effect or hereafter amended, are incorporated herein by reference in their entirety. If the Contractor or any Subcontractor violates this section, the Contractor or Subcontractor shall pay to Owner Sixty and No/100 Dollars (\$60.00) for each worker employed for each calendar day or part of the date that the worker is paid less than the Prevailing Wage Rate Schedule. Contractor and each Subcontractor shall provide records showing the name and occupation of each worker employed with respect to the Project and the actual per diem wages paid to each worker on a certified payroll. Such records shall be open at all reasonable hours for inspection by the Owner and its agents.

3.2 The Contractor or Subcontractor shall insert in all subcontracts the provisions of this Section 3 and a clause requiring the Subcontractors to include these clauses in any lower tiered subcontracts. The Contractor shall be responsible for compliance by any Subcontractor or lower tier Subcontractor with the requirements of this Section 3.

3.3 To insure compliance with the provisions of this Section 3, the Contractor shall:

- post the Prevailing Wage Rate schedules made part of this Contract at each work site in a prominent location readily accessible to the workers through the duration of the Project.
- shall post a notice to be provided by Owner regarding Prevailing Wage Rates, in English and Spanish, which shall be posted nearby the Prevailing Wage Rate schedules.

No worker shall be discharged by the Contractor or a Subcontractor or in any other manner discriminated against because such worker has filed an inquiry or complaint or instituted or caused to be instituted any legal or equitable proceeding or has testified or is about to testify in any such proceeding under or relating to the Prevailing Wage Rates.

The Contractor and each Subcontractor shall allow expeditious jobsite entry by the Owner's Director of Planning, Engineering & Construction and/or his agents and representatives displaying and presenting proper identification credentials to the jobsite superintendent or his/her representative. The Contractor and each Subcontractor shall allow Project employees to be interviewed at random or specifically ask to speak to workers for a reasonable duration by the Owner's Director of Planning, Engineering & Construction and/or his agents and representatives to facilitate compliance determinations regarding the provisions of this Contract with reference to the Prevailing Wage Rates. The Owner's representative will have the employee sign the interview sheet and compare the sheet to the submitted payroll to determine if there are any discrepancies. Attached, as Schedule 1, is a sample worker interview form.

The Owner reserves the right to terminate this Contract for cause if the Contractor and/or any Subcontractor shall breach any of these provisions regarding the Prevailing Wage Rates.

Contractor and each Subcontractor must indicate on the certified payroll submitted, employees in their employ. The Owner will provide a uniform format to the Contractor and each Subcontractor for certified payroll submissions, which will include the employee's name, social security number, job title, and wage. Attached, as Schedule 2, is a sample format for certified payroll submission and a sample of work classification certification, as Schedule 3.

3.4 Contractor's records will, upon reasonable notice, be open to inspection and subject to audit and/or reproduction during normal business working hours. Such audits may be performed by an Owner's representative or an outside representative engaged by the Owner. The Owner or its designee may conduct such audits or inspections throughout the term of the contract and for a period of five (5) years after final payment or longer if required by law.

Contractor's records as referred to in this Contract will include any and all information, materials and data of every kind and character, including without limitation, records, books, papers, documents, subscriptions, agreements, purchase orders, leases, commitments, arrangements, notes, daily diaries, superintendent reports, drawings, receipts, vouchers and memoranda, and any and all other agreements, sources of information and matters that may in Owner's judgment have any bearing on or pertain to any matters, rights, duties or obligations under or covered by the Contract Document. Such records will include (hard copy, as well as computer readable dates if it can be made available), written policies and procedures; time sheets; payroll registers; canceled checks; subcontract files; original estimates; estimating work sheets; correspondence; change order files (including documentation covering negotiated settlements); back charge logs and supporting documentation; general ledger entries detailing cash and trade discounts earned, insurance rebates and dividends; and any other Contractor records which may have a bearing on matters of interest to Owner in connection with the Contractor's dealings with the Owner (all of the foregoing hereinafter referred to as "records") to the extent necessary to adequately permit evaluation and verification of Contractor's compliance with Contract requirements.

3.5 If an audit inspection or examination in accordance with this article discloses overpricing or overcharges (of any nature) by the Contractor to the Owner in excess of one percent (1%) of the total Contract billings, in addition to making adjustments and/or payments, the reasonable actual cost of the Owner's audit will be reimbursed to the Owner by the Contractor. Any adjustments and/or payments which must be made as a result of any such audit or inspection of the Contractor's invoices and/or records will be made within a reasonable amount of time (not to exceed ninety (90) days) from presentation of Owner's finding to Contractor.

3.6 If accounting or audit services are required in order to reconcile the Contractor's account (payments: billings), and it is determined that the reconciliation is required as a result of the action or lack of action on the Contractor's part, then the Contractor will be liable for all reasonable accounting and or audit costs incurred by the Owner to perform the reconciliation.

**4. PERSONNEL STANDARDS.** The Contractor shall employ only orderly and competent workers, skilled in the performance of the services, which they will perform under the Contract. The Contractor, its employees, Subcontractor, and Subcontractor's employees may not use or possess any firearms, alcoholic or other intoxicating beverages, tobacco products, illegal drugs or controlled substances while on the job or on the Owner's property, nor may such workers be intoxicated, or under the influence of alcohol or drugs on the job. The following personnel standards shall apply to all Contractor's personnel assigned to Owner's property. Deviations from these standards require written consent of the Owner before Contractor's personnel are assigned to Owner's property.

4.1 EMPLOYMENT BACKGROUND. Provision Deleted.

4.2 CRIMINAL BACKGROUND. Contractor's personnel assigned to Owner's property shall have a clean criminal record. The Contractor shall conduct local and statewide criminal record checks. Contractor must give written notice to the Owner if the person or an Owner or operator of the business entity has been convicted of a felony. The notice must be given prior to entering the contract to the Owner, and must include a general description of the conduct resulting in the conviction of a felony. The Owner has the right to terminate a contract with a person or business entity if the Owner determines that the person or business entity failed to give the notice required in this paragraph or misrepresented the conduct resulting in the conviction. This paragraph does not apply to a publicly held corporation. Contractor shall comply at its sole expense with all applicable laws in performance of the contract to be awarded. If the award involves the provision of any services to the Owner, the person or business entity that proposes to enter into a contract with the Owner shall furthermore comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, Section 153.1117 of Title 19 of the Texas Administrative Code, and any Owner board policy relating to or arising from such statute or regulation, shall ensure that no covered employee of the person or business entity that proposes to enter into a contract with the Owner or of any subcontractor [if authorized] with a disqualifying criminal history performs services under the award at or for the Owner, and shall timely provide to Owner written certifications thereunder in such form and substance as requested by the Owner. The Contractor shall execute and deliver the Contractor Certification Regarding Criminal History in the form attached hereto as Exhibit "2".

4.3 DRIVING RECORD. Contractor's personnel shall possess driving records reflecting reasonable care and judgment. The benchmark for failure to meet this standard shall be:

- 4.3.1 Three moving violations within the past three years;
- 4.3.2 Or any upheld suspension or revocation of license within the past three years;
- 4.3.3 Or any conviction for driving under the influence of intoxicants (DWI), without a time limit.

Vendor shall provide results of motor vehicle record checks.

4.4 FREEDOM FROM DRUG USE. Contractor's personnel assigned to Owner's property shall be demonstrably free from addiction to, or use of, illicit drugs, as determined by a ten-panel urinalysis drug screening. Testing shall be accomplished at clinically supervised independent collection sites, certified by the Substance Abuse and Mental Health Services Administration (formerly National Institute of Drug Abuse).

4.5 APPEARANCE. Contractor's personnel assigned to Owner's property should present a positive appearance that reflects good personal grooming habits. Appearance standards are:

- 4.5.1 Only prescription eye-glasses may be worn. Sunglasses shall not be worn inside the building except on written recommendation of a physician.
- 4.5.2 No jewelry in their noses or ears, except for women with pierced ears who may wear earring studs. No excessive or "dangling" jewelry may be worn on the neck, wrist or waist. Two rings and a wristwatch only, may be worn on finger and wrist.

4.6 PUBLIC RELATIONS SKILLS. Personnel assigned to Owner's property shall possess satisfactory public relations skills, sufficient to permit them to interact positively with Owner's employees, visitors, and the general public.

4.7 IDENTIFICATION BADGES. All persons present on the Project site are required to possess and display on their person a form of identification. The Contractor is required to provide, at its own expense, an identification badge for all employees working on the project, i.e. Contractor's and Subcontractor's personnel, and ensure they are prominently displayed at all times while on the Project site. A color photo identification badge, furnished by the Contractor, must include a recent facial color photograph, the individual's full name and the name of the company employing them on the project premises. The photo identification badge must not be smaller than a Texas issued drivers' license. A duplicate copy of each color photo ID shall be submitted to the Owner for its records.

## 5. PRICING.

5.1 The Contractor shall furnish a price breakdown, itemized as required by Owner, for the Work.

5.2 Pricing requested on the Proposal Form, for miscellaneous trades shall be a cost differential from a standard trade price book such as R.S. Means. This pricing method may be used for general trades other than those specified and the rates for these minor construction trades shall be established under this price structure. If using other than R.S. Means, the Contractor must provide two copies of the price book rates from which the rates will be calculated.

5.3 Hourly rates contained in the Proposal shall be firm for the duration of the Contract term including extensions.

5.4 Where a specific item or type of work is not covered by specified rates or in the price book, the price book may be used to determine prices for the item or type of work based on a comparison of form, fit, and function to those specified in the price book.

5.5 Where pricing cannot be determined by the price book or comparison, the Contractor shall furnish a price breakdown sufficient in detail to permit analysis of material, labor, equipment, sub-contract, and overhead costs, as well as profit, and shall cover all work involved, whether such work was deleted, added or changed. Any amount claimed for subcontracts shall be supported by a similar price breakdown. All costs claimed are subject to negotiation.

5.6 Owner and Contractor acknowledge and agree that any percentage mark-up contained in the Proposal Form is intended to, and shall cover the Contractor's profit and all indirect cost including but not limited to, home office expenses, branch office and field office overhead expenses of any kind; project management, superintendents, detailing; legal, accounting, data process or other administrative expenses; shop drawings, permits; comprehensive general liability insurance; auto insurance; vehicle cost; and all tools and equipment. Project Managers shall be considered part of field supervision and are included as part of overhead, unless they are working foremen. As used herein, "working foreman" is a person who works (production work) with his subordinates one hundred (100%) of his time each day at each work site.

5.7 When specified, Owner will allow a mark-up on equipment that is purchased by other means to achieve completion in a timely manner. To prevent discrepancies that would otherwise keep the Work from progressing, this amount will be paid as part of the retention and paid in full on project completion at the end of warranty period.

5.8 Contractor shall not mark-up freight charges associated with the delivery of repair/replacement parts. All freight charges shall be billed at Contractor's direct cost.

## 6. INVOICING REQUIREMENTS.

6.1 Contractor shall bill not more than one (1) time every thirty (30) days. All invoices must be original, facsimile (FAX) or photostatic copies of invoices will not be acceptable.

6.2 Each invoice must:

- 6.2.1 contain the Contractor's name, remittance address, vendor number, unique invoice number, the Owner's project number, the Owner's purchase order number, Owner's unique account string, payment terms and invoice total.
- 6.2.2 contain the applicable hourly rates, parts cost and other pertinent information, on the service report/invoice for tracking purposes.

- 6.2.3 be legible. Invoices, which are illegible, will not be processed but will be returned to the Contractor's for correction and re-submittal.
- 6.2.4 accurately reflect the invoice total. Incorrect invoices (unit price or arithmetic errors) will not be processed but will be returned to the Contractor for correction and re-submittal.
- 6.3 Not Applicable.
- 6.4 Payment will not be made by the Owner to Contractor for any employee not listed on the certified payroll and on the Contractor's manpower reports.
- 6.5 Employees of Contractor performing two (2) or more jobs for a substantial period of time during the course of the day should be properly classified and shown on the payroll and all of the different jobs performed at each worksite. The corresponding wage rates for the different classifications, as well as the time worked (time-in/time-out) on each project should be shown on the payroll records.
- 6.6 No time charges for overtime hours worked on the Project will be allowed if the employee is not actually paid for the overtime.
7. **REPRESENTATIONS AND WARRANTIES.** The Contactor represents and warrants to Owner that:
- 7.1 the prices quoted in the Scope of Work are in compliance with the Region 19 Contract.
- 7.2 it has good and indefeasible title to all services and materials furnished under the Contract, and that the services and materials are free and clear of all liens, claims, security interests and encumbrances. The Contactor shall indemnify and hold the Owner harmless from and against all adverse title claims to the services and materials.
- 7.3 all services and materials sold the Owner under the Contract shall be free from defects in design, workmanship or manufacture, and conform in all material respects to all applicable State, Federal or local laws, rules, and regulations, and industry codes and standards.
- 7.4 all services to be provided the Owner under the Contract will be fully and timely performed in a good and workmanlike manner in accordance with generally accepted industry standards and practices, the terms, conditions, and covenants of the Contract, and all applicable Federal, State and local laws, rules or regulations.
- 7.5 the services and materials supplied by the Contactor in accordance with the specifications in the Contract will not infringe, directly or indirectly, any patent, trademark, copyright, trade secret, or any other intellectual property right of any kind of any third party; that no claims have been made by any person or entity with respect to the ownership or operation of the services and materials and the Contactor does not know of any valid basis for any such claims.
- 7.6 that no person or selling agency has been employed or retained to solicit or secure the Contract upon any agreement or understanding for commission, percentage, brokerage, or contingent fee, excepting bona fide employees of bona fide established commercial or selling agencies maintained by the Contactor for the purpose of securing business. For breach or violation of this warranty, the Owner shall have the right, in addition to any other remedy available, to cancel the Contract without liability and to deduct from any amounts owed to the Contactor, or otherwise recover, the full amount of such commission, percentage, brokerage or contingent fee.
- 7.7 if this contract is valued at \$100,000 or more and if Contractor has at least ten (10) full time employees, then Contractor represents and warrants to the Owner that the Contractor: (1) does not boycott Israel and will not boycott Israel during the term of this Contract; and (2) does not boycott energy companies and will not boycott energy companies during the term of the contract. This section does not apply to a sole proprietorship.
- 7.8 Contactor represents and warrants that: (1) it is not engaged in business with Iran, Sudan, or a foreign terrorist organization, as prohibited by Section 2252.152 of the Texas Government Code; and (2) it is not listed in the prohibited vendors list authorized by Executive Order No. 13224, "Blocking Property and Prohibiting Transactions with Persons Who Commit, Threaten to Commit, or Support Terrorism," published by the United States Department of the Treasury, Office of Foreign Assets Control.
- 7.9 under Section 231.006 of the Texas Family Code, to the extent applicable to the Contract, the Contactor certifies that the individual or business entity named in this Contract is not ineligible to receive the specified payments and acknowledges that this Contract may be terminated and payment withheld if this certification/representation and warranty is inaccurate.
- 7.10 Contractor certifies that it does not require its customers to provide any documentation certifying the customer's COVID-19 vaccination or post-transmission recovery on entry to, to gain access to, or to receive service from the Contractor's business. Contractor acknowledges that such a vaccine or recovery requirement would make Contractor ineligible for a state-funded contract.

7.11 if Contractor is required to make a verification pursuant to Section 2274.002 of the Texas Government Code, Contractor verifies that it (1) does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association and (2) will not discriminate during the term of the contract against a firearm entity or firearm trade association.

7.12 Contractor is not a provider or affiliate as defined in Texas Government Code §2273.003(a).

8. **INDEMNIFICATION.**

8.1 **TO THE FULLEST EXTENT PERMITTED BY LAW, THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND ITS AGENTS AND EMPLOYEES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, DAMAGE, LOSS OR EXPENSE (1) IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE OR DEATH, OR TO INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY INCLUDING THE LOSS OF USE RESULTING THEREFROM, AND (2) IS CAUSED IN WHOLE OR IN PART BY ANY NEGLIGENT ACT OR OMISSION OF THE CONTRACTOR, ITS AGENTS, EMPLOYEES AND SUBCONTRACTOR OF ANY TIER. SUCH OBLIGATION SHALL NOT BE CONSTRUED TO NEGATE, ABRIDGE, OR OTHERWISE REDUCE ANY OTHER RIGHT OR OBLIGATION OF INDEMNITY, WHICH WOULD OTHERWISE EXIST AS TO ANY PARTY OR PERSON, DESCRIBED IN THIS PARAGRAPH.**

8.2 **IN ANY AND ALL CLAIMS AGAINST THE OWNER OR ANY OF ITS AGENTS OR EMPLOYEES BY THE CONTRACTOR, ITS AGENTS, EMPLOYEES AND SUBCONTRACTOR OF ANY TIER, THE INDEMNIFICATION OBLIGATION UNDER THIS PARAGRAPH SHALL NOT BE LIMITED IN ANY WAY BY ANY LIMITATION ON THE AMOUNT OR TYPE OF DAMAGES, COMPENSATION OR BENEFITS PAYABLE BY OR FOR THE CONTRACTOR UNDER WORKERS' COMPENSATION ACTS, DISABILITY BENEFITS ACTS OR OTHER EMPLOYEE BENEFIT'S ACTS.**

9. **TERMINATION FOR CAUSE.** In the event of a default by the Contractor, the Owner shall have the right to terminate the Contract for cause, by written notice effective ten (10) days, unless otherwise specified, after the date of such notice, unless the Contractor, within such ten (10) day period, cures such default, or provides evidence sufficient to prove to the Owner's reasonable satisfaction that such default does not, in fact, exist. In addition to any other remedy available under law or in equity, the Owner shall be entitled to recover all actual damages, costs, losses and expenses, incurred by the Owner as a result of the Contractor's default, including, without limitation, reasonable attorneys' fees, court costs, and prejudgment and post-judgment interest at the maximum lawful rate.

10. **TERMINATION WITHOUT CAUSE.** The Owner shall have the right to terminate the Contract, in whole or in part, without cause any time upon seven (7) days' prior written notice. Upon receipt of a notice of termination, the Contractor shall promptly cease all further work pursuant to the Contract, with such exceptions, if any, specified in the notice of termination. The Owner shall pay the Contractor, to the extent of funds appropriated or otherwise legally available for such purposes, for all goods delivered and services performed and obligations incurred prior to the date of termination in accordance with the terms hereof.

11. **DELAYS.** The Owner may delay scheduled delivery or other due dates by written notice to the Contractor if the Owner deems it is in its best interest without additional cost.

12. **GRATUITIES.** The Owner may, by written notice to the Contractor, cancel the Contract without liability if it is determined by the Owner that gratuities were offered or given by the Contractor or any agent or representative of the Contractor to any officer or employee of the Owner with a view toward securing the Contract or securing favorable treatment with respect to the awarding or amending or the making of any determinations with respect to the performing of such contract. In the event the Contract is canceled by the Owner pursuant to this provision, the Owner shall be entitled, in addition to any other rights and remedies, to recover or withhold the amount of the cost incurred by the Contractor in providing such gratuities.

13. **ASSIGNMENT.** The Contract shall be binding upon and inure to the benefit of the Owner and the Contractor and their respective successors and assigns, provided however, that no right or interest in the Contract shall be assigned by the Contractor without the prior written consent of the Owner. Any attempted assignment by the Contractor shall be void unless made in conformity with this paragraph. The Contract is not intended to confer rights or benefits on any person, firm or entity not a party hereto; it being the intention of the parties that there be no third party beneficiaries to the Contract.

14. **WAIVER.** No claim or right arising out of a breach of the Contract can be discharged in whole or in part by a waiver or renunciation of the claim or right unless the waiver or renunciation is supported by consideration and is in writing signed by the aggrieved party. No waiver by either the Contractor or the Owner of any one or more events of default by the other party shall operate as, or be construed to be, a permanent waiver of any rights or obligations under the Contract, or an express or implied acceptance of any other existing or future default or defaults, whether of a similar or different character.

15. **MODIFICATIONS.** The Contract can be modified or amended only by a writing signed by both parties. No pre-printed or similar terms on any of the Contractor's invoices, orders or other documents shall have any force or effect to change the terms, covenants, and conditions of the Contract.

16. **INTERPRETATION.** The Contract is intended by the parties as a final, complete and exclusive statement of the terms of their agreement. No course of prior dealing between the parties or course of performance or usage of the trade shall be relevant to supplement or explain any term used in the Contract. Although the Contract may have been substantially drafted by one party, it is the intent of the parties that all provisions be construed in a manner to be fair to both parties, reading no provisions more strictly against one party or the other. Whenever a term defined by the Uniform Commercial Code, as enacted by the State of Texas, is used in the Contract, the UCC definition shall control, unless otherwise defined in the Contract.

17. **JURISDICTION AND VENUE.** The Contract is made under and shall be governed by the laws of the State of Texas. All issues arising from this Contract shall be resolved in the courts of El Paso County, Texas and the parties agree to submit to the exclusive personal jurisdiction of such courts. The foregoing, however, shall not be construed or interpreted to limit or restrict the right or ability of the Owner to seek and secure injunctive relief from any competent authority as contemplated herein.

18. **FINAL INSPECTION**

18.1 The Contractor shall demonstrate that the work completed meets the requirements of Owner. The Owner shall give final approval to all work performed.

18.2 Should any portion of the work fail to meet the requirements of the Owner, the Contractor shall repair or replace items failing to meet requirements until items can be demonstrated to comply.

18.3 Upon completion of jobs where materials are used, the Contractor shall submit proof of purchase (invoice) to Owner, or designated Project Manager, with each payment request.

19. **PLACE AND CONDITION OF WORK.** The Owner shall provide the Contractor access to the sites where the Contractor is to perform the services as required in order for the Contractor to perform the Work in a timely and efficient manner. The Contractor acknowledges that it has satisfied itself as to the nature of the Work requirements and specifications, the location and essential characteristics of the work site(s), the quality and quantity of materials, equipment, labor and facilities necessary to perform the services, and any other condition or state of fact which could in any way affect performance of the Proposer's obligations under the Contract. **THE CONTRACTOR HEREBY RELEASES AND HOLDS THE OWNER HARMLESS FROM AND AGAINST ANY LIABILITY OR CLAIM FOR DAMAGES OF ANY KIND OR NATURE IF THE ACTUAL SITE OR SERVICE CONDITIONS DIFFER FROM EXPECTED CONDITIONS.**

**SECTION 01010: COVERED SITES AND CONTACTS**

Canyon Hills Middle School  
8930 Eclipse Street  
El Paso, TX 79904

Joel Olivas  
jolivas@episd.org  
(915)230-2290

Ernesto Ortiz  
elortiz@episd.org  
(915)230-2432

Chief Operations Officer  
S. B. Pierson  
sbpierso@episd.org



Finance and Operations  
*Facilities & Construction*

**RECORD OF WORKER/TRADESMAN INTERVIEW**

Sensitive information. The information collected on this form is considered sensitive and is protected by the Privacy Act. The Privacy Act requires that these records be maintained with appropriate administrative, technical, and physical safeguards to ensure their security and confidentiality. In addition, these records should be protected against any anticipated threats or hazards to their security or integrity which could result in substantial harm, embarrassment, inconvenience, or unfairness to any individual on whom the information is maintained.

Project Number:	Prime Contractor:
Project Name	Employer (Contractor or Subcontractor)
Name of Worker	Home Address and Zip Code
Date first worked on project;	Average no. of hours worked on project daily:
Your hourly pay rate                      \$	Your Job Classification
Your Duties:	
Tools or equipment used:	
Do duties observed by interviewer conform to Job Classification trade? Circle One:            Yes                                      No    (If no, please explain)	
Remarks (Continue on back if necessary):	
Name of Foreman on project site:	
Signature of Worker:	Date of Interview:
<b>Payroll Examination:</b> Remarks (Continue on back if necessary):	
Date:	PM Initials:

Worker Interview form

**SCHEDULE 1**

**Certified Payroll**

**Company:** \_\_\_\_\_

**Pay Period:** \_\_\_\_\_ to \_\_\_\_\_

	Employee	SSN	Job Title	Wage
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

**SCHEDULE 2**

**EMPLOYEE'S STATEMENT OF WORK**

**CLASSIFICATION**

I, \_\_\_\_\_, DO HEREBY CERTIFY THAT I AM ENGAGED IN  
THE FOLLOWING WORK CLASSIFICATION(S):

\_\_\_\_\_  
(NAME AND/OR TITLE OF WORK CLASSIFICATION)

FURTHERMORE, I DO AGREE TO THE WAGE RATE OF \$ \_\_\_\_\_ PER HOUR.

\_\_\_\_\_  
(SIGNATURE OF EMPLOYEE)

\_\_\_\_\_  
(DATE SIGNED)

\_\_\_\_\_  
(PRINT OR TYPE THE NAME OF THE ABOVE EMPLOYEE)

EMPLOYER'S NAME, ADDRESS & PHONE NO.:  
(CONTRACTOR/SUBCONTRACTOR COMPANY)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
( ) \_\_\_\_\_

EMPLOYER/COMPANY REPRESENTATIVE  
SIGNATURE:

\_\_\_\_\_  
(OWNER, PARTNER, OR OFFICER OF COMPANY)

\_\_\_\_\_  
DATE

**SCHEDULE 3**

## SCOPE OF WORK AND SCHEDULE

Canyon Hills Middle School  
8930 Eclipse Street  
El Paso, TX 79904

Owner: El Paso Independent School District  
Project: Canyon Hills Shade Structures  
Date of Proposal: May 20, 2024

### Scope of Work:

2 new shade structures. The demolition and disposal of existing fabric shade canopy with a 18x27 metal shelter by the Gymnasium and a new 60x25 shade structure between tennis courts and basketball courts.

A certification regarding this Scope of Work is attached as well as **Exhibit 1**.

### Sub Total

1. Contractor's direct cost total \$170,506.71
2. Payment and Performance bond \$5,967.73
- 3. Proposed Price \$176,474.44**

The dollar amount will not be exceeded unless a CO is requested.

### Preliminary Schedule

One Hundred Eighty (180) calendar days total anticipated duration from Notice to Proceed to Substantial Completion.

Final Completion shall be reached within 30 calendar days of Substantial Completion

### Region 19 – Allied States Cooperative Requirements

Contractor represents and warrants that the Scope of Work and Contract is in and will remain in compliance with Education Service Center Region 19 – Allied States Cooperative (“ASC”) JOC #22-7425 (“R19 Contract”).

The Contractor further represents, covenants, and warrants to the Owner that this Contract meets all requirements of and Contractor will submit all required documents pursuant to the R19 Contract in the performance of this contract.



www.playwellgroup.com  
 800-726-1816  
 505-296-8900 (fax)

**QUOTATION**  
 QUOTE # 24164-11610  
 5/20/2024

Athletic, Park, and Playground Equipment  
 Serving Colorado, Texas, New Mexico, Oklahoma, and Arkansas since 1988

**BILL TO:**  
 Region 19  
 Accounts Payable  
 6611 Boeing Drive  
 El Paso, TX 79925  
 Phone: (915) 230-2143

**SHIP TO:**  
 El Paso ISD-Canyon Hills Middle School  
 Joel Olivas-Project Manager  
 8930 Eclipse Street  
 El Paso, TX 79904  
 Phone: 79904

CUST. PO #	TERMS	SALES REP	COUNTY		QUOTE EXPIRATION
	NET 30	RBC	EL PASO		6/19/2024
ITEM	DESCRIPTION	QTY	LIST PRICE	DISC. PRICE	TOTAL
ESC REG 19	ESC REGION 19 ALLIED STATES COOPERATIVE (ASC) RFP #22-7425, EXPIRES: 12/31/2024	1	.00	0.00	0.00
RH18X27-10M-P4	ICON SHELTERS, INC SHELTER • RH - RECTANGLE HIP WIDTH: 18.000 LENGTH: 27.000 • STEEL (4) COLUMN DESIGN • PRIMARY ROOF: 24 GA PRE-CUT MULTI-RIB METAL ROOF • ROOF SLOPE: 4:12 • 10.00' EAVE HEIGHT	1	23286.67	22,122.34	22,122.34
POWDERCOAT-IC...	POWDERCOAT Icon Shelter Systems & The Playwell Group, Inc. are not responsible for damage to powder coat finish caused by unloading if installed by others.	1	4686.67	4,452.34	4,452.34
SED ICON	ENGINEERING: (2) CALCULATION BOOKS & (4) SETS OF DRAWINGS	1	1333.33	1,266.66	1,266.66
ABK-ICON	ANCHOR BOLT KIT-11838	1	286.67	272.34	272.34
RH25X60-10M-P4	RECTANGLE HIP SHELTER • RH - RECTANGLE HIP WIDTH: 25.000 LENGTH: 60.000 • STEEL (8) COLUMN DESIGN • PRIMARY ROOF: 24 GA PRE-CUT MULTI-RIB METAL ROOF • ROOF SLOPE: 4:12 • 10.00' EAVE HEIGHT	1	46780.00	44,441.00	44,441.00



www.playwellgroup.com  
 800-726-1816  
 505-296-8900 (fax)

**QUOTATION**  
 QUOTE # 24164-11610 5/20/2024

Athletic, Park, and Playground Equipment  
 Serving Colorado, Texas, New Mexico, Oklahoma, and Arkansas since 1988

**BILL TO:**  
 Region 19  
 Accounts Payable  
 6611 Boeing Drive  
 El Paso, TX 79925  
 Phone: (915) 230-2143

**SHIP TO:**  
 El Paso ISD-Canyon Hills Middle School  
 Joel Olivas-Project Manager  
 8930 Eclipse Street  
 El Paso, TX 79904  
 Phone: 79904

CUST. PO #	TERMS	SALES REP	COUNTY	QUOTE EXPIRATION	
	NET 30	RBC	EL PASO	6/19/2024	
ITEM	DESCRIPTION	QTY	LIST PRICE	DISC. PRICE	TOTAL
POWDERCOAT-IC...	POWDERCOAT Icon Shelter Systems & The Playwell Group, Inc. are not responsible for damage to powder coat finish caused by unloading if installed by others.	1	9200.00	8,740.00	8,740.00
SED ICON	ENGINEERING: (2) CALCULATION BOOKS & (4) SETS OF DRAWINGS	1	1333.33	1,266.66	1,266.66
ABK-ICON	ANCHOR BOLT KIT-11839		526.67	500.34	500.34
SHIP-ICON	SHIPPING & HANDLING ICON SHELTER SYSTEMS, INC. - Deliveries require special or additional care or attention. If Playworks is not contracted for installation, product must be off loaded by customer, fork lift required. Please refer to the WARNING LABEL upon delivery.	1	12372.63	12,372.63	12,372.63
INSTALL	INSTALLATION COMPLETED BY MASTER GREEN CARE RECEIVE EQUIPMENT AND UNLOAD (2)	1	2710.11	2,710.11	2,710.11
INSTALL	DEMOLISH & DISPOSE OF EXISTING FABRIC SHADE CANOPY WITH FRAME	1	2688.17	2,688.17	2,688.17
INSTALL	FENCE AND PORTABLE TOILET	1	2523.59	2,523.59	2,523.59
INSTALL	INSTALL METAL SHELTER FROM ICON 60X25	1	42374.37	42,374.37	42,374.37
INSTALL	INSTALL METAL SHELTER FROM ICON 18X27	1	20935.92	20,935.92	20,935.92
INSTALL	SITE RESTORATION AND CLEAN UP 2 AREAS	1	3840.24	3,840.24	3,840.24
BOND	PERFORMANCE & PAYMENT BOND	1	5967.73	5,967.73	5,967.73

**QUOTE VALID FOR 30 DAYS. Product will be ordered upon receipt of written approvals and/or deposit. Please email or fax all pages. PLEASE REMIT YOUR DEPOSIT TO:**

**THE PLAYWELL GROUP, INC.,**  
 203A STATE HIGHWAY 46 EAST  
 BOERNE, TX 78006

Date \_\_\_\_\_ Signature \_\_\_\_\_

**CREDIT CARD FEE NOTICE: Effective July 1, 2023, a credit card usage fee of 3.5% will be applied to sales settled by credit card. No fees apply to payment by ACH, check, money order, and wire transfer. Sorry no C.O.D. orders**

<b>SUBTOTAL</b>	<b>\$176,474.44</b>
<b>SALES TAX (0.0%)</b>	<b>\$0.00</b>
<b>TOTAL</b>	<b>\$176,474.44</b>



## 2020 PREVAILING WAGE RATES BUILDING

CLASSIFICATION	BASE WAGE	BENEFITS	HOURLY PREVAILING WAGE RATE	(8 HOURS) PER DIEM WAGE RATE
Asbestos/Lead Abatement/Mold Remediation	31.51	12.06	43.57	348.56
Automatic Fire Sprinkler Fitter, Certified	30.64	21.68	52.32	418.56
Block, Brick, and Stone Mason	17.97	0.00	17.97	143.76
Carpenters – Acoustical Ceiling Installation	17.36	0.00	17.36	138.88
Carpenter – Rough	17.64	0.00	17.64	141.12
Carpenter – All Other Work	17.40	0.00	17.40	139.20
Caulker / Sealers	11.29	0.00	11.29	90.32
Cement and Concrete Finishers	16.30	0.00	16.30	130.40
Commercial Truck Driver	14.75	0.00	14.75	118.00
Communication/Security Technician	16.50	2.12	18.62	148.96
Crane and Heavy Equipment Operator	31.05	0.00	31.05	248.40
Door & Hardware Specialist	12.00	1.35	13.35	106.80
Drywall and Ceiling Tile Installers	14.40	0.00	14.40	115.20
Drywall Finishers & Tapers	15.55	0.00	15.55	124.40
Electrician	23.36	3.40	26.76	214.08
Elevator Installers and Repairers	31.35	15.10	46.45	371.60
Fence Erectors – Include with Skilled Labor	10.00	0.00	10.00	80.00
Floor Layers- Carpet and Resilient	12.87	0.00	12.87	102.96
Floor Layers- Specialty	13.00	0.00	13.00	104.00
Floor Layers - Wood	11.50	0.00	11.50	92.00
Glaziers	15.86	1.00	16.86	134.88
Hazardous Materials Removal Workers	10.00	0.00	10.00	80.00
Heating, Air Conditioning and Refrigeration Service Technician	31.14	12.43	43.57	348.56
Insulation Workers – Mechanical	31.26	11.96	43.22	345.76
Irrigator – Landscape, Certified	15.28	0.00	15.28	122.24
Laborer	13.13	0.58	13.71	109.68
Locksmith	12.00	1.35	13.35	106.80
Mechanic	17.00	0.00	17.00	136.00
Painters - Building	13.86	0.00	13.86	110.88
Paper Hanger	14.00	0.00	14.00	112.00
Pipe Layer (Utility)	18.00	0.00	18.00	144.00
Pipe Fitters and Steamfitters	23.53	9.02	32.55	260.40
Plaster, Stucco, Lather and EIFS Applicator	16.82	0.00	16.82	134.56
Plumber/ Medical Gas Installer	31.39	10.77	42.16	337.28
Reinforcing Iron and Rebar Workers	22.69	0.00	22.69	181.52
Roofers	16.00	0.00	16.00	128.00
Scaffolding Erector	13.69	0.00	13.69	109.52
Sheet Metal Workers	27.16	0.00	27.16	217.28
Structural Iron and Steel Workers / Metal Building Erector	25.57	13.24	38.81	310.48
Tile Setters	13.86	0.00	13.86	110.88

APPROVED 12/14/2020

## 2020 BUILDING DEFINITIONS

1	<b>Asbestos/Lead Abatement/Mold Remediation</b>	Assembles work platform and seals off work area, using plastic sheeting and duct tape. Positions mobile decontamination unit or portable showers at entrance of work area. Positions portable air evacuation and filtration system inside work area. Cuts and scrapes asbestos, mold or paint from surfaces, using knife and scraper. Assists in demolition and deconstruction activities of buildings. Shovels asbestos, mold or paint into plastic disposal bags and seals bags, using duct tape. Cleans work area of loose asbestos, mold or paint, using vacuum, broom, and dust pan. Places asbestos, mold or paint in disposal bags and seals bags, using duct tape, loads bags into truck. Cleans and maintains tools, sampling equipment and lab equipment. Responsible for keeping site and grounds clean and neat. Performs daily equipment checks. Picks up necessary supplies and tools from warehouse as directed. Loads and unloads scrap materials into trucks and roll off boxes. Performs work safely in accordance with departmental safety procedures and operates equipment safely. Reports any unsafe work condition or practice to supervisor. Performs other related and non-related duties as assigned.
2	<b>Automatic Fire Sprinkler Fitter, Certified</b>	Sprinkler Fitters specialize in piping associated with fire sprinkler systems. These types of systems are required to be installed and maintained in accordance with strict guidelines, usually National Fire Protection Association (NFPA) standards, in order to maintain compliance with building and fire codes. Sprinkler Fitters work with a variety of pipe and materials including: plastic, copper, steel, cast iron, and ductile iron. The fire suppression piping may contain: water, air, antifreeze, fire retardant foam, gas, or chemicals for hood systems. Sprinkler systems installed by Sprinkler Fitters can include but not limited to: underground supply, standpipes, fire pumps as well as overhead piping systems.
3	<b>Block, Brick, and Stone Mason</b>	Lay and bind building materials, such as: brick, structural tile, concrete block, cinder block, glass block, and terra-cotta block, with mortar and other substances to construct, or repair walls, partitions, arches, sewers, and other structures. Classify installers of mortarless segmental concrete masonry wall units. Constructs partitions, fences, walks, fireplaces, chimneys, smokestacks, et cetera using stone, marble, granite, slate. Cutting, grouting, and pointing of materials listed above which is necessary shall be part of this classification.
4	<b>Carpenters - Acoustical Ceiling Installation</b>	Construct, erect, install or repair acoustical ceiling grid, ceiling tile, and other items laid in acoustical grid.
5	<b>Carpenter - Rough</b>	Construct, erect, install, or repair structures and fixtures made of wood, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; wood stairways, window and door frames. May also install cabinets, and siding. Include brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways to control the proper circulation of air through the passageways.

6	<b>Carpenter – All Other Work</b>	Construct, erect, install or repair cabinets and other fixtures or structures requiring a high level of workmanship. Includes Cabinetmakers and Bench Carpenters – cut, shape, and assemble wooden articles or set up and operate a variety of woodworking machines, such as power saws, jointers, and mortisers to surface, cut or shape lumber or to fabricate parts for wood products. Perform related duties such as trim work.
7	<b>Caulker/Sealers</b>	Applies water proofing agents or caulk to a variety of structures and materials.
8	<b>Cement and Concrete Finishers</b>	Smooth and finish surfaces of poured concrete, such as floors, walks, sidewalks, roads, or curbs using a variety of hand and power tools. Align forms for sidewalks, curbs, or gutters; patch voids; use saws to cut expansion joints. Classify installers of mortarless segmental concrete wall units.
9	<b>Commercial Truck Driver</b>	Drive a truck, van or tractor-trailer combination to transport and deliver goods, or materials in liquid, loose, or packaged form. May be required to unload truck.
10	<b>Communication/Security Technician</b>	Set-up, re-arrange, or remove switching and dialing equipment used in central offices. Service or repair telephones and other communication equipment on customers' property. May install equipment in new locations or install wiring and telephone jacks in buildings under construction. Install, program, maintain, and repair security and fire alarm wiring and equipment. Ensure that work is in accordance with relevant codes. Exclude "Electricians" who do a broad range of electrical wiring.
11	<b>Crane and Heavy Equipment Operator</b>	A worker who operates a crane or other types of heavy equipment to hoist and move materials, raise and lower heavy weights and perform other related operations. May be crawler type or rubber-tired. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
12	<b>Door and Hardware Specialist</b>	Installs or repairs doors, hardware and accessories. Are responsible for the installation of contract commercial hardware and custom architectural grade wood doors, steel doors and frames for all Prevailing Wage jobs. Shall be trained by their employer's, employer's apprenticeship, or in factory training classes in the proper methods and techniques and requirements for the installation of Architectural Grade commercial wood and metal doors, frames and hardware in conformance with all local, state, and federal code.
13	<b>Drywall and Ceiling Tile Installers</b>	Apply plasterboard, or other wallboard to ceilings, or interior walls of buildings. Apply or mount acoustical tiles or blocks, strips, or sheets of sound-absorbing materials to ceilings and walls of buildings to reduce or reflect sound. Materials may be of decorative quality. Includes metal stud framing. Exclude "Carpet Installers", "Carpenters – Acoustical Ceiling Installation", and "Tile and Marble Setters".
14	<b>Drywall Finishers and Tapers</b>	Seal joints between plasterboard or other wallboard, including bedding and texturing, to prepare wall surface for painting or papering.

15	<b>Electrician</b>	Plan and execute the layout and installation of electrical conduit, switch panels, buss bars, outlet boxes, electrical wires and cables, lighting standards, lighting fixtures, receptacles, switches, and other electrical devices and apparatus necessary for the complete electrical installation. To include the installation of cabling, wire, conduits and end devices for Temperature Control, Building Automation, and Energy Management Systems, et cetera. Includes installation of photovoltaic solar panels.
16	<b>Elevator Installers and Repairers</b>	Assemble, install, repair, or maintain electric or hydraulic freight or passenger conveyances including but not limited to elevators, escalators, dumbwaiters, moving walks and wheelchair lifts.
17	<b>Fence Erectors - Include with Skilled Labor</b>	Erect and repair metal and wooden fences and fence gates around highways, industrial establishments, residences, or farms, using hand and power tools. Excludes rock and stone fences.
18	<b>Floor Layers – Carpet and Resilient</b>	Apply blocks, strips, or sheets of shock-absorbing, sound-deadening, or decorative coverings to floors. Lay and install carpet from rolls, tiles or blocks on floors. Install padding and trim flooring materials. Installs variety of soft floor materials including vinyl and VCT. Exclude wood floors and specialty floors.
19	<b>Floor Layers - Specialty</b>	Prepares surface, installs and finishes specialty floor material such as manufactured or engineered and laminated wood.
20	<b>Floor Layers - Wood</b>	Install, scrape and sand wooden floors to smooth surfaces using floor scraper and floor sanding machine, and apply coats of finish to include gymnasium and bowling alleys.
21	<b>Glaziers</b>	Installs glass in windows skylights, store fronts and display cases, or on surfaces such as: building fronts, interior walls, ceilings and table tops. The installation, setting, cutting, preparing, fabricating, distributing, handling or removal of the following: glass and glass substitutes used in place of glass, pre-glazed windows, retrofit window systems, mirrors, curtain wall systems, window wall systems, cable net systems, canopy systems, structural glazing systems, unitized systems, interior glazing systems, photovoltaic panels and systems, suspended glazing systems, louvers, skylights, entranceway systems including doors and hardware, revolving and automatic door systems, patio doors, store front systems including the installation of all metals, column covers, panels and panel systems, glass hand rail systems, decorative metals as part of the glazing system, and the sealing of all architectural metal and glass systems for weatherproofing and structural reasons, vinyl, molding, rubber, lead, sealants, silicone and all types of mastics in wood, iron, aluminum, sheet metal or vinyl sash, doors, frames, stone wall cases, show cases, book cases, sideboards, partitions and fixtures. Performs other related duties.

22	<b>Hazardous Materials Removal Workers</b>	Identify, remove, pack, transport, or dispose of hazardous materials, including asbestos, lead-based paint, waste oil, fuel, transmission fluid, radioactive materials, contaminated soil, mold, et cetera. Specialized training and certification in hazardous materials handling or a confined entry permit are generally required. May operate earth-moving equipment or trucks.
23	<b>Heating, Air Conditioning and Refrigeration Service Technician</b>	Repair and service heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, heating stoves, and air handlers. (Installation of systems is performed by sheet metal worker). Includes HVAC mechanic.
24	<b>Insulation Workers – Mechanical</b>	This work includes the preparation, alteration, application, removal, hauling, erection, assembling, molding, spraying, pouring, mixing, hanging, adjusting, repairing, dismantling, reconditioning, maintenance, finishing, and/or weatherproofing of cold or hot thermal insulations with such materials as may be specified when those materials are to be installed for thermal purposes in voids, or to create voids, or on either piping, fittings, valves, boilers, ducts, flues, tanks, vats and equipment, or on any hot or cold surfaces for the purpose of thermal control or to be installed for sound control purposes mechanical devices, equipment, piping, surfaces related in an integral way to the insulation of such mechanical devices, equipment and piping. This work also includes all labor connected with insulation for; temperature control, personnel protection, safety and/or prevention of condensation. This work also includes all labor connected with hauling, distribution and cleanup of materials on the job premises. All thermal tape, pads, metered fittings (insulation, metal or plastic), batts and lags.
25	<b>Irrigator- Landscape, Certified</b>	Certified by TCEQ to install watering systems in various sizes and grades of lawn in order to maintain sufficient pressure and to insure even dispersal of water.
26	<b>Laborer</b>	Performs manual duties in all phases of construction. Demolition (interior and exterior), Flagging and Traffic Control, General Clean-Up, Air and Power Tool Operators (Including chipping guns, jackhammers and tampers), all material handling and clean-up, except refractory, chute/hose operator, raking, shoveling and vibrating, raking, shoveling, luting, ironing, dumping and spreading, trenching, material handling, back filling (*Equipment Operators Incidental to Laborers' scope of work). Landscape or maintain grounds of property using equipment as needed. Workers typically perform a variety of tasks, which may include any combination of the following: sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler repair, and installation of mortarless segmental concrete masonry wall units. Does not ordinarily perform work permitting exercise of independent judgment or without close direction by other workers.
27	<b>Locksmith</b>	Self-explanatory.

28	<b>Mechanic</b>	Maintains and repairs construction tools and equipment.
29	<b>Painters - Building</b>	Paint walls, equipment, buildings, bridges, and other structural surfaces, using brushes, rollers, and spray guns. May remove old paint to prepare surface prior to painting. May mix colors or oils to obtain desired color or consistency. Exclude "Paper hangers."
30	<b>Paper Hanger</b>	Measures, cuts, and hangs wallpaper and Fiber Reinforced Paneling.
31	<b>Pipe Layer (Utility)</b>	Installs concrete, clay, steel, ductile iron, plastic, corrugated pipe and any other type of pipe for storm drainage, water lines, gas lines and sanitary sewer lines. Lays underground communication and electrical ducts. May install and set electrical ground boxes, hand holes, manholes, inlets and other structures. Caulks joints, makes threaded and flanged connections. Installs valves and other accessories. Performs other related duties.
32	<b>Pipe Fitters and Steamfitters</b>	Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems. Includes pressurized lines and flow lines for gas, air, and oil found in industrial settings.
33	<b>Plaster, Stucco, Lather, and EIFS Applicator</b>	Apply interior or exterior plaster, stucco, or similar materials. May also set ornamental plaster. Applies acoustical plaster, interior and exterior plastering of stone imitation or any patented materials when cast. Molds and sets ornamental plaster and trim and runs ornamental plaster cornice and molding.
34	<b>Plumbers/ Medical Gas Installer</b>	Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems. Assemble, install, alter, and repair pipelines or pipe systems that carry medical gases or liquids. Specialized training and certification required.
35	<b>Reinforcing Iron and Rebar Workers</b>	Position and secure steel bars or mesh in concrete forms in order to reinforce concrete. Includes post-tensioning. Use a variety of fasteners, rod-bending machines, blowtorches, and hand tools.
36	<b>Roofers</b>	Cover roofs of structures with shingles, tile, slate, asphalt, aluminum, wood, metal and related materials. May spray roofs, sidings, and walls with material to bind or seal sections of structures. Includes metal and membrane roofs.

37	<b>Sheet Metal Workers</b>	Fabricate, assemble, install, and repair sheet metal products and equipment, such as ducts, seal the system, pressure test and test and balance , control boxes, drainpipes, architectural sheet metal, hangers, brackets, used in the installation of sheet metal, and installs grills, registers, and furnace casings. Work may involve any of the following: setting-up and operating fabricating machines to cut, bend, and straighten sheet metal, operating soldering equipment to join sheet metal parts; inspecting, assembling, and smoothing seams and joints of burred surfaces, including metal flashings, gutters, canopies, soffit's, louvers, skylights and custom metal roofs. Installs warm air furnaces except where necessary piping for gas, or oil is performed under the plumbing and pipefitting classification. Include sheet metal duct installers who install prefabricated sheet metal ducts used for heating, air conditioning, or other purposes. Fire life safety, damper inspection, stairwell pressurization. May install other heating and cooling devices which are in connection with duct systems.
38	<b>Structural Iron and Steel Workers/Metal Building Erector</b>	Rigging, raise, place, and unite iron or steel, prefabricated metal buildings precast concrete, precast "tilt-up" panels, concrete and steel bridge members, concrete decking, ornamental iron, hand rails, stairs, curtain wall/glass framework, girders, columns, beams, and other structural members to form completed structures or structural frameworks using hand tools, power tools, and hoisting equipment. Erects frame of building, using hoist. Bolts steel frame members together. Attaches wire and insulating materials to framework. Attaches sheet metal panels to framework including standing seam sheets. Installs and trims sheet metal on prefabricated metal buildings, using cutting torch, power saw, and tin snips. Rigging of heavy equipment, assembly and disassembly of cranes. May erect metal storage tanks. Exclude "Reinforcing Iron and Rebar Workers".
39	<b>Tile Setters</b>	Apply hard tile, terrazzo tile and veneer to walls, floors, and ceilings. Includes surface preparation as necessary.
40	<b>Scaffolding Erector</b>	Erection of a temporary elevated platform (both supported and suspended) and its supporting structure (including points of anchorage) to be used for supporting employees or material or both.

- **Welder** - Receives rate prescribed for craft performing operation to which welding is incidental.
- **Fork Lift and Man Lift (boom and scissor)** - Receives rate prescribed for craft performing operation to which operation of this equipment is incidental.



**2020 PREVAILING WAGE RATES  
HEAVY / HIGHWAY**

CLASSIFICATION	BASE WAGE PER HOUR	TOTAL FRINGES PER HOUR	HOURLY PREVAILING WAGE RATE	PER DIEM WAGE RATE
Asphalt Distributor Operator	16.07	2.78	18.85	150.80
Asphalt Paving Machine Operator / Spreader Box Operator	14.62	1.42	16.04	128.32
Asphalt Raker	14.30	1.44	15.74	125.92
Backhoe Operator	16.43	1.25	17.68	141.44
Concrete Finishers (Paving and Structures)	15.58	1.41	16.99	135.92
Crane Operator, Lattice Boom	17.50	0.00	17.50	140.00
Crane Operator, Hydraulic	20.00	0.00	20.00	160.00
Electrician	23.62	1.97	25.59	204.72
Excavator Operator	18.61	1.52	20.13	161.04
Form Builder/Setter	17.84	0.75	18.59	148.72
Form Setter (Paving and Curb)	12.86	0.00	12.86	102.88
Front End Loader	16.28	1.09	17.37	138.96
Laborer	13.53	1.16	14.69	117.52
Laborer (Skilled)(Utility)	15.49	0.73	16.22	129.76
Mechanic	17.50	0.00	17.50	140.00
Milling Machine Operator	24.96	0.00	24.96	199.68
Motor Grader Operator (Fine)	20.76	2.41	23.17	185.36
Pavement Marking Machine Operator	16.28	1.09	17.37	138.96
Pipe Layer (Utility)	15.24	2.69	17.93	143.44
Reinforcing Steel Setter (Structure and Paving)/ Structural Steel Worker	17.00	0.00	17.00	136.00
Rock Mason	14.00	0.00	14.00	112.00
Roller Operator	14.96	2.32	17.28	138.24
Servicer	14.33	0.00	14.33	114.64
Truck Driver, Single Axle	13.56	0.00	13.56	108.48
Truck Driver, Tandem Axle	17.43	0.93	18.36	146.88
Utility Operator Grade 1	14.32	0.76	15.08	120.64
Utility Operator Grade 2	15.31	1.46	16.77	134.16
Welder, Certified/ Structural Steel Welder	20.00	0.00	20.00	160.00

APPROVED 12/14/2020

## 2020 HEAVY / HIGHWAY DEFINITIONS

1	<b>Asphalt Distributor Operator</b>	Drives distributor truck, sets spray bars and operates valves and levers to control distribution of bituminous material for highway surfacing. May oil, grease or otherwise service and make adjustments to equipment as needed. Performs other related duties.
2	<b>Asphalt Paving Machine Operator/Spreader Box Operator</b>	Operates paving machine that spreads and levels asphaltic concrete on highway. Controls movement of machine, raises and lowers screed, regulates width of screed. Operates spreader box by adjusting hopper and strike-off blade so that gravel, stone or other material may be spread to a specific depth on road surface during seal coat and surface treatment operations. May oil, grease, service and make adjustments to equipment as needed. Performs other related duties.
3	<b>Asphalt Raker</b>	Distributes asphaltic materials evenly over road surface by hand-raking and brushing material to correct thickness; may control screed to regulate width and depth of materials; directs Laborers (skilled and unskilled) when to add or take away material to fill low spots or to reduce high spots.
4	<b>Backhoe Operator</b>	Operates a rubber-tired machine mounted with a backhoe bucket on one end and a loader bucket on the other end. Used for excavating ditches and structures, laying pipe and precast concrete structures, carrying material in the loader bucket, and general excavation and backfill. May also be equipped with hydraulic attachments. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
5	<b>Concrete Finisher (Paving and Structures)</b>	Finishes the exposed surfaces of fresh concrete paving, median barrier and every element of concrete structures. Operates bridge deck finishing machine. Forms and finishes edges and joints. Finishes concrete curbs and gutters. Finishes exposed surface of concrete after forms have been removed by patching imperfections with fresh concrete, rubbing surface with abrasive stone, and directing others in removing excess or defective concrete with power tools. Performs other related duties.
6	<b>Crane Operator, Lattice Boom</b>	A worker who operates a lattice boom type crane to hoist and move materials, raise and lower heavy weights and perform other related operations. May be crawler type or rubber-tired. May include placement of rock riprap, clamshell, dragline, pipe and pile driving operations. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
7	<b>Crane Operator, Hydraulic</b>	A worker who operates a hydraulic telescoping boom type crane to hoist and move materials, raise and lower heavy weights and perform other related operations. May be crawler type or rubber-tired. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.

8	<b>Electrician</b>	Plan and execute the layout and installation of electrical conduit, switch panels, buss bars, outlet boxes, electrical wires and cables, lighting standards, lighting fixtures, receptacles, switches, and other electrical devices and apparatus necessary for the complete installation of wiring systems, works on overhead distribution systems and underground distribution systems. Includes installation of photovoltaic solar panels.
9	<b>Excavator Operator</b>	Operates a crawler or rubber-tired machine mounted with an excavator bucket. Used for excavating ditches and structures, laying pipe and precast concrete structures, loading trucks and placing rock riprap. May also be equipped with various hydraulic attachments. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
10	<b>Form Builder/Setter</b>	Works from plans to build, assemble, fit together, align, plumb, and set in place forms for molding concrete structures. Forms may be wood, steel, aluminum, fiberglass or any other type of material. Checks forms while concrete is being placed. May install miscellaneous materials integral to concrete structures. May set precast concrete elements. Prepares for slip forming traffic rail and median barrier. May install permanent metal deck forms. May work with power tools. Performs other related duties. Includes guardrail installation.
11	<b>Form Setter (Paving and Curb)</b>	Fits together, aligns and sets to grade metal and wooden forms for placement for concrete paving and curbs. Works with survey crew to set stringline for paving, curb and gutter and curb. Performs other related duties.
12	<b>Front End Loader</b>	Operates a rubber-tired, skid steer or crawler type tractor with an attached scoop type bucket on front end. Machine is used to load materials from stockpiles, excavation, charging batch plants, loading and unloading trucks. May be used with attachments in lieu of the bucket. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
13	<b>Laborer</b>	A general term used on construction work covering many unskilled classifications requiring work of a physical nature. Performs a variety of work ranging from pick and shovel work to cleaning up lumber with hammer, shoveling and placing concrete, uses air tools, under the supervision of qualified personnel. Cleans concrete joints and fills joints with sealing compound from bucket or with hose and nozzle from a central source, applies coating of oil to inside face of forms and strip forms, unloads and transports reinforcing steel, cures newly poured concrete, assists pipelayers, works with dirt crew keeping construction layout stakes out of the way of dirt-moving equipment. May fine grade excavation and ditches, shovels hot asphalt material. May use power tools and other necessary equipment in demolition work under the supervision of qualified personnel. Does not ordinarily perform work permitting exercise of independent judgment or without close direction by other workers. Installs and maintains erosion control. Performs other related duties.

14	<b>Laborer (Skilled) (Utility)</b>	Performs a variety of manual duties, usually working in a utility capacity by working on multiple projects and tasks where demands require workmen with varied experience and ability to work without close direction. Unloads and transports reinforcing steel. Directs laborers in pouring concrete. Erects trench shoring and bracing. Installs, operates, and maintains de-watering systems. May assist equipment operators in positioning machines, verifying grades and signaling operators to dumping positions to maintain grades as directed. Uses power tools and air tools. May work as lead man in a labor crew. Is more or less a general utility construction worker. May be a second step in learning a skill. Includes Concrete/Gunite Pump Operator, Concrete Saw Operator, Fence Erector, Flagger, and Sign Erector. Performs other related duties.
15	<b>Mechanic</b>	Assembles, assist set up, adjusts and maintains and repairs all types of construction equipment and trucks. May perform the duties of a welder in repair of equipment. Performs other related duties.
16	<b>Milling Machine Operator</b>	Operates power-driven milling machine that planes material off the roadbed and discharges the material into a hauling unit or a window. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
17	<b>Motor Grader Operator (Fine)</b>	Operates motor grader. Performs many of the same duties of Motor Grader, Rough, but in addition performs finish grade work to blue tops or other close specification control. This work is subject to strict inspection and must conform closely to specifications. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
18	<b>Pavement Marking Machine Operator</b>	Operates a machine used in laying paint stripes or markers on all types of paving. Loads of machine with appropriate materials and may walk or ride on machine. May oil, grease or otherwise service and make necessary adjustments to equipment needed. Perform other related duties.
19	<b>Pipelayer (Utility)</b>	Installs concrete, clay, steel, ductile iron, plastic, corrugated pipe and any other type of pipe for storm drainage, water lines, gas lines and sanitary sewer lines. Lays underground communication and electrical ducts. May install and set electrical ground boxes, hand holes, manholes, inlets and other structures. Caulks joints, makes threaded and flanged connections. Installs valves and other accessories. Performs other related duties.
20	<b>Reinforcing Steel Setter (Structure and Paving)/ Structural Steel Worker</b>	Works from plans to lay out and install reinforcing steel within forms or in mats of concrete paving. Erects and places reinforcing steel and fabricated structural steel members, such as girders, plates, diaphragms, lateral bracing, and unites them permanently to form a completed structural steel unit, including reinforcing members. Fastens steel members together by welding or bolting. May include dismantling and erecting large units of equipment. Gives direction to reinforcing steel worker apprentice or utility laborers. Performs other related duties.

21	<b>Rock Mason</b>	Constructs partitions, fences, walls, using rock. Cutting, grouting and pointing of materials listed above which is necessary shall be part of this classification. May also build or repair rock retaining walls, cutting or placing of rock in mortar or other similar material.
22	<b>Roller Operator</b>	Operates a self-propelled machine with either steel wheels or pneumatic tires which is used to compact and smooth bituminous and flexible base materials and compact earth fills, subgrade, and all other types of materials. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
23	<b>Servicer</b>	Drives a truck which carries various fuels, oils, greases and filters. Must have knowledge of and is responsible for the correct oiling and greasing and changing of filters on equipment according to manufacturers' specifications. Uses compressed air grease guns, wrenches and other tools. May make adjustments to clutches, brakes and other mechanical items. Keeps record of service for preventive maintenance records. . May require a Commercial Driver's License if driving truck on public highways. Performs other related duties.
24	<b>Truck Driver, Single Axle</b>	Drives a light capacity truck for transporting loads of construction material. The truck is of single rear axle type, may have various kinds of beds attached such as dump, flat bed, tank, etc. May require CDL license for driving on highway. May service and make necessary adjustments for proper operation of equipment. Performs other related duties.
25	<b>Truck Driver, Tandem Axle</b>	Drives a tandem axle powered vehicle. Hauls dirt, rock, aggregates or other material. May require CDL license for driving on highway. May service and make necessary adjustments for proper operation of equipment. Performs other related duties.
26	<b>Utility Operator Grade 1</b>	Clam, ditching machine, side booms (except those in Grade 2), operator on dredges, cleaning machine, coating machine, , blending machine, water-kote machine, equipment welder, track tractor, derrick, dragline, shovel, motor grader rough grade, Crawler tractor, foundation drill operator, crawler and truck mounted, and piled river.
27	<b>Utility Operator Grade 2</b>	Pipe, gin truck or winch truck with poles when used for hoisting, side boom (cradling rock drill), tow tractor, farm tractor road boring machine, fork lift ( <b>industrial type</b> ), pot fireman (power agitated), straightening machine, boring machine, bombardier (track or tow rig), , hydrostatic testing operator, scraper, staking machine, plant mix pavement roller operator, plant mix pavement, pneumatic motor operator. Concrete paving curing, float, texturing machine, subgrade trimmer, slip-form machine, milling machine, self-propelled sweeping machine, trenching machine, directional drill, , trenching, screening plant, and joint sealer. Off Road Hauler, Pavement Marking Machine Operator Reclaimer/Pulverizer Operator, Slurry Seal or Micro-Surfacing Machine Operator.

28	<b>Welder, Certified/ Structural Steel Welder</b>	Certified by the American Welding Society to perform structural steel welding. Operates welding equipment. Welds structural steel girders and diaphragms. May weld permanent metal deck forms. Cuts, lays-out, fits and welds metals or alloyed metal parts to fabricate or repair equipment. Welds the joints between lengths of pipe for oil, gas or other types of pipelines. May assist in welding of permanent metal deck forms. Performs other related duties.
----	---	--

**EXHIBIT 1**

Re: *Canyon Hills Shade Structures, Project No. 24.550A*

I completed my assessment of the above-referenced Project. I certify that the attached plan set satisfies the requirement for the preparation of plans and specifications under Chapter 1001 or 1051, Occupations Code.

Sincerely,

*Jesse A. Sanchez*  
P.E. No. 97259  
Jesse A. Sanchez



*Jesse A. Sanchez*  
06.13.2024

**Chapter 22 Criminal History Records Contractor Certification:**  
**Contractor/Subcontractor Employees**

**Introduction:** Section 22.0834 of the Texas Education Code requires entities that contract with school El Paso Independent School Districts to provide services to obtain criminal history records on covered employees. Covered employees with disqualifying criminal histories are prohibited from serving at a school El Paso Independent School District. Service contractors with access to the DPS FACT Clearinghouse under the National Child Protection Act (NCPA) or state criminal history information for employees hired before January 1, 2008, must certify to the El Paso Independent School District that they have complied and must obtain similar certifications from their subcontractors.

The El Paso Independent School District may not obtain criminal histories for contractors. The law requires each contractor to obtain the criminal histories of its covered employees if contractor access is permitted by law. For more information to set up an account for criminal history record information through the DPS FACT Clearinghouse, a contractor should contact the Texas Department of Public Safety's DPS Fingerprint Services Unit by email at [fingerprint.service@dps.texas.gov](mailto:fingerprint.service@dps.texas.gov) or by phone at 512.424.2474 – Option 6.

**Definitions:**

*Covered employees:* Employees of a contractor who have or will have continuing duties related to the service to be performed at the El Paso Independent School District and have or will have direct contact with students. The El Paso Independent School District will be the final arbiter of what constitutes *continuing duties* or *direct contact* with students.

*Disqualifying criminal history:* (1) a conviction or other criminal history information designated by the El Paso Independent School District; or (2) one of the following offenses, if at the time of the offense, the victim was under 18 or enrolled in a public school: (a) a felony offense under Title 5, Texas Penal Code; (b) an offense for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedure; (c) an equivalent offense under federal law or the laws of another state.

---

On behalf of Playwell Group and Playworks Texas corporation, doing business as \_\_\_\_\_, the undersigned authorized signatory for Contractor, certify to the El Paso Independent School District that [check one]:

None of Contractor's employees are *covered employees*, as defined above. If this box is checked, I further certify that Contractor has taken precautions or imposed conditions to ensure that its employees will not become *covered employees*. Contractor will maintain these precautions or conditions throughout the time the contracted services are provided.

Or

Some or all of Contractor's employees are *covered employees*. If this box is checked, I further certify that:

- (1) Contractor has obtained all required criminal history record information regarding its covered employees. None of the covered employees has a disqualifying criminal history.
- (2) If Contractor receives information that a covered employee subsequently has a reported criminal history, Contractor will immediately remove the covered employee from contract duties and notify the District in writing within 3 business days.
- (3) Upon request, Contractor will provide the District with the name and any other requested information of covered employees so that the District may obtain criminal history record information on the covered employees. Contractor is responsible for all District costs and expenses for the District obtaining the information on the covered employees.

If the District objects to the assignment of a covered employee on the basis of the covered employee's criminal history record information, Contractor agrees to discontinue using that covered employee to provide services at the District.

I also certify to the El Paso Independent School District on behalf of Contractor that Contractor has obtained certifications from its subcontractors of compliance with Texas Education Code chapter 22.

Noncompliance or misrepresentation regarding this certification may be grounds for contract termination.

Signature:  Date: 5/21/2024  
Title: PRESIDENT

# ICON

## Shelter Systems Inc

1455 Lincoln Ave.  
Holland, Michigan 49423  
(800) 748-0985

### Structural Calculations

**Job Number:** 10456

**Building Code:** 2021 International Building Code

**Building Name:** RH25X60-10M-P4-20-105-33

**Roof Pitch:** 4.00/12

**Primary Roof:** M - Multi-rib panel



## TABLE OF CONTENTS

---

1. Structural Description
2. Design Criteria
3. Materials
4. Loads to the Foundation
5. Member and Connection Design
6. Computer Analysis Print Out

## STRUCTURE DESCRIPTION

---

The structure was modeled using Robot Millenium structural analysis software. It was modeled as a Moment Frame system with column bases fixed and all rotational restraint fixed at the beam to column connections. Also purlins were modeled with pinned connections at each end. Other connections were modeled as moment connections.

The roof deck was not utilized in the structural analysis except to provide lateral support to the rafters and purlins for gravity loads. For members subjected to bending and or axial loads due to wind uplift loads, the unbraced lengths of the members were defined as the distance between braced points or the full span if not braced between supports.

Vertical loads were applied to the frame by loading the roof panel with a unit load and loading the tie beams and purlins with the resulting reaction. This procedure results in the member being loaded with a tributary area per unit length. This allows a simple load combination to be produced by applying a load factor equal to the load pressure. These simple load combinations were created for Dead load and Snow Load by specifying a negative pressure in the Z direction. They were created for Uplift components of wind load by specifying a positive pressure in the Z direction. Lastly they were created for Seismic loads by specifying a positive or negative pressure in the X or Y direction.

Horizontal loads were applied to the frame by calculating the tributary area of the structure's horizontal profile and applying these areas to the nodes. This also results in the frame being loaded with a tributary area. Simple load cases are then created in the same manner as the vertical loads. These simple load cases are created for the horizontal components of the wind loads.

Design load combinations are then created by combining these simple load combinations in the manner the prescribed building code dictates.

From the analysis, all member deflections and nodal displacements are within allowable limits.

Member design envelopes are created by collecting every group of internal forces resulting from every design combination at five locations along the member and examining each one to find the one group that contains the largest value for each force element such as axial, shear or moment.

Connection design envelopes are created in the same way but only considering the location of the member at which that connection occurs.

End plates are designed by applying beam end forces to the edges of the plate and calculating the resulting prying moment at the edge of the bolt holes. In determining the prying moment it is assumed that the area of the plate between bolts is fixed.

All field connections are made with A-325 high strength bolts and are specified as snug tight connections.

# DESIGN CRITERIA

## BUILDING CODE

2021 IBC  
Roof Slope (X:12) 4 18 43495

### DEAD LOADS

Total Dead Load (psf) = 6.61  
Frame Weight (psf) = 3.61  
Roofing Load (psf) = 1.20  
Collateral Load (psf) = 1.80

### SNOW LOADS/ROOF LIVE LOADS

Lr = Roof Live Load (psf) = 20.00  
Pg = Ground Snow Load (psf) = 5.00  
Ct = Roof Thermal Factor = 1.20 ASCE 7, Table 7-3  
Ce = Snow Exposure Coefficient = 1.00 ASCE 7, Table 7-2  
Cs = Roof Slope Factor = 1.00 ASCE 7, Figure 7-2  
Pf = Flat Roof Snow Load (psf) = 20.00 ASCE 7, Eq 7.3-1  
Ps = Roof Snow Load (psf) = 20.00 ASCE 7, Eq 7.4-1

### WIND LOADS

Enclosure = Open/Unenclosed Open  
Basic Wind Speed (mph) = 105.00  
Exposure Classification = C  
Mean Roof Height (ft) = 15.00  
P = qzGCF ASCE 7, Section 27.4-3  
qz = Basic Wind Pressure (qz = 0.00256KzKztKd(V^2)) = 20.39 ASCE 7, Section 27.3-1  
Kd = 0.85 ASCE 7, Table 26.6-1  
Kz = 0.85 ASCE 7, Table 27.3-1  
Kzt = 1.00 ASCE 7, Section 26.8.2  
G = 0.85 ASCE 7, Section 26.8.2

### MWFRS $C_{f,W}$ and $C_{f,H}$ Values

X Direction Clear for y equal to 0 and 180

	$C_{f,W}$	$p = q_s G C_{f,H}$ (psf)	$C_{f,H}$	$p = q_s G C_{f,H}$ (psf)
Case A	1.10	19.1	-0.17	-3.0
Case B	0.01	0.1	-0.96	-16.7

Y Direction Clear ASCE 7, Figure 27.4-7

	$C_{f,H}$	$p = q_s G C_{f,H}$
Case A	-0.3	-5.2
Case B	0.3	5.2

### SEISMIC LOADS

Structure Type: Ordinary Moment Frame  
Occupancy Importance Factor ( $I_p$ ) = 1 ASCE-7, Table 1.5-2  
Seismic Site Class = D ASCE-7, Section 11.4.2  
 $S_s$  = Mapped Spectral Response Acceleration = 0.327 ASCE-7, Figs 22-1, 3, 5 & 6  
 $S_1$  = Mapped Spectral Response Acceleration @ 1 sec = 0.107 ASCE-7, Figs 22-2, 4, 5 & 6  
 $F_a$  = Site Coefficient Short Period = 1.54 ASCE-7, Table 11.4-1  
 $F_v$  = Site Coefficient 1 sec = 2.38 ASCE-7, Table 11.4-2  
 $T$  = 0.15  
 $S_{DS}$  = Design Spectral Response Acceleration = 0.335 ASCE-7, Eq 11.4-3  
 $S_{D1}$  = Design Spectral Response Acceleration = 0.170 ASCE-7, Eq 11.4-4  
Seismic Design Category = C ASCE-7, Table 11.6-1  
W = Dead Load of Structure = (psf) 6.61  
R = Response Modification Coefficient = 3.5 ASCE-7, Table 12.2-1  
 $\Omega_0$  = Overstrength Factor = 3 ASCE-7, Table 12.2-1  
 $C_s$  = Seismic Response Coefficient = 0.10 ASCE-7, Eq 12.8-2  
V =  $C_s W$  = Max Seismic Base Shear (psf) = 0.63 ASCE-7, Eq 12.8-1

### LOAD COMBINATIONS

ASCE-7-16, Section 2.4 with Overstrength Section 12.4.3 Applied

1, D	6. 0.6 D + 0.6 W
2, D + S	7. D + 0.7 Ev + 0.7 Emh
3, D + 0.75 S	8. D + 0.525 Ev + 0.525 Emh + 0.75 S
4, D + 0.6 W	9. 0.6 D - 0.7 Ev + 0.7 Emh
5, D + 0.45 W + 0.75 S	[ Emh = $\Omega C_s W$ ] [ Ev = 0.2 SDS D ]

## MATERIALS

---

Plate steel: ASTM A36

High Strength Bolts: ASTM A325

Welding Process: GMAW

Welding Electrode: ER70S-X

Member steel: ASTM A500 Grade B

<u>Member Title</u>	<u>Section</u>	<u>Count</u>	<u>Bar List</u>
CL1	HSS6X6X0.1875	4	1to4
CL2	HSS6X6X0.1875	4	5to8
RF1	HSS6X6X0.1875	4	9to12
RF2	HSS6X6X0.1875	4	13to16
RT1	HSS6X3X0.125	4	36to39
TB1	HSS6X4X0.125	2	17 18
TB2	HSS6X4X0.125	2	20 21
TB3	HSS6X4X0.125	2	19 22
TB4	HSS6X4X0.125	2	23 24
PU1	HSS5X5X0.1875	2	28 29
PU2	HSS5X5X0.1875	2	31 32
PU3	HSS5X5X0.1875	2	30 33
PU4	HSS5X5X0.1875	2	34 35
RB1	HSS5X5X0.125	1	26
RBS1	HSS5X5X0.125	2	25 27

## LOADS TO THE FOUNDATION

The Table(s) below represent the loads to the foundation from an individual column. Individual columns are grouped by similar loadings. All loads are given in a coordinate system local to the column. The Y axis is the strong axis of the column and the Z axis is the weak axis. The Positive Z axis points toward the inside of the building.

DL = Service level dead load reaction with the greatest axial load

SL = Service level snow load reaction with the greatest axial load

W-uplift = Service level wind load reaction with the greatest uplift load

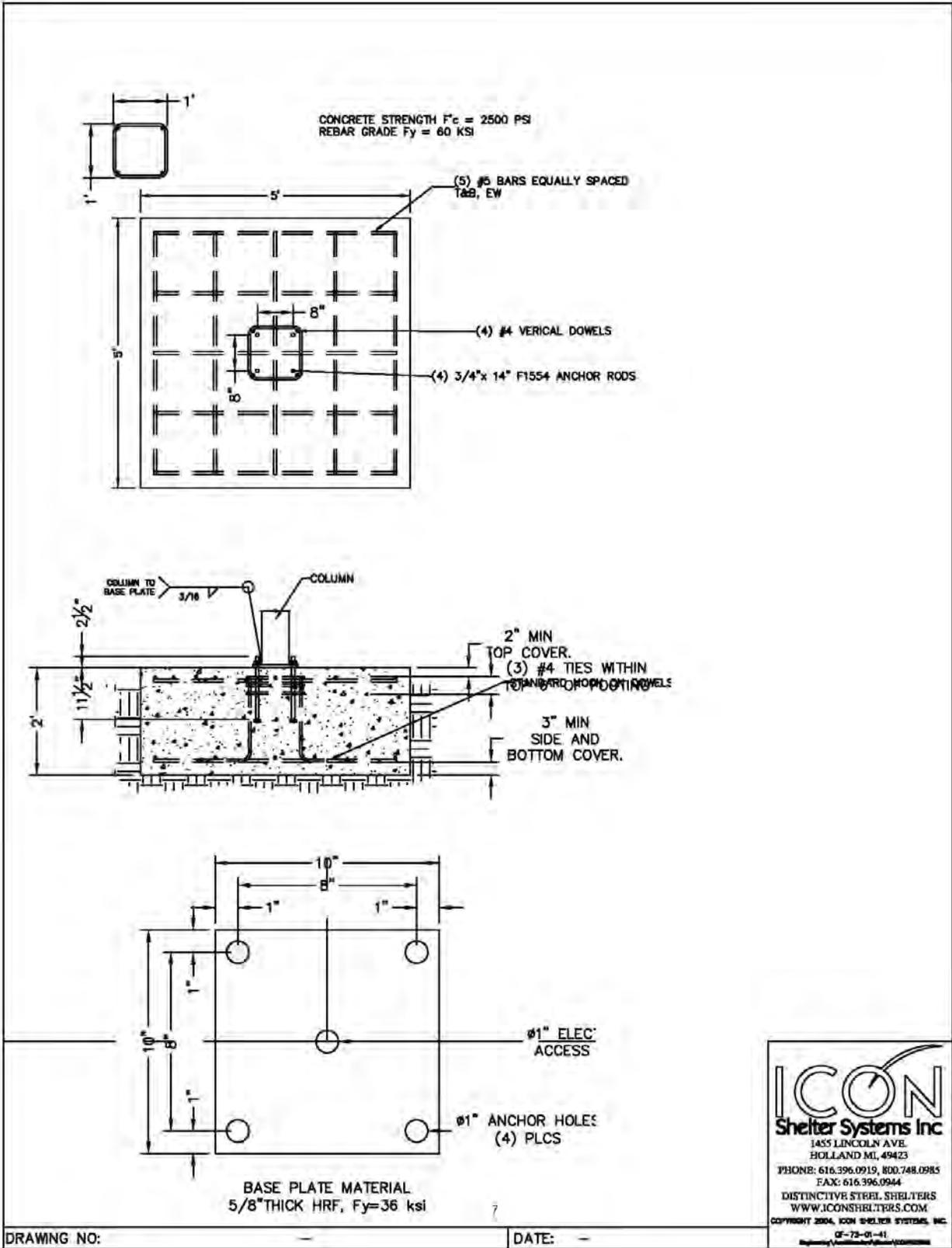
W-Y = Service level wind load reaction with the greatest magnitude of shear in the local Y direction

W-Z = Service level wind load reaction with the greatest shear value acting in the same direction as the DL shear load.

E-Y = Service level seismic load reaction with the greatest magnitude of shear in the local Y direction

E-Z = Service level seismic load reaction with the greatest magnitude of shear in the local Z direction

Column	Label	F <sub>x</sub> (Kip)	F <sub>y</sub> (Kip)	F <sub>z</sub> (Kip)	M <sub>y</sub> (Kip-in)	M <sub>z</sub> (Kip-in)
CL1	DL	1.22	0.01	0.14	-6.85	0.33
CL1	SL	3.53	0.06	0.50	-23.79	1.69
CL1	W-FY	0.05	-0.71	-0.32	28.94	-45.61
CL1	W-FZ	0.05	0.71	-0.32	28.94	45.61
CL1	W-UPLIFT	-1.41	0.02	-0.18	3.76	5.18
CL1	E-FZ	-0.06	0.08	-0.09	7.07	6.46
CL1	E-FY	0.05	-0.08	0.07	-6.49	-6.58
CL2	DL	1.26	-0.01	0.31	-16.53	-0.69
CL2	SL	4.03	-0.04	1.04	-56.44	-2.40
CL2	W-FZ	0.39	0.02	0.95	-75.02	0.79
CL2	W-UPLIFT	-2.94	0.18	-0.69	37.14	14.24
CL2	W-FY	-2.68	-0.21	-0.55	29.45	-16.02
CL2	E-FZ	-0.06	0.00	-0.12	10.36	0.02
CL2	E-FY	-0.03	-0.13	-0.01	0.75	-10.42

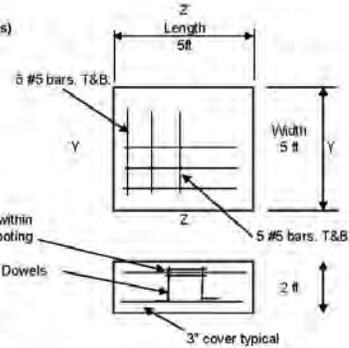


**ICON**  
Shelter Systems Inc  
1455 LINCOLN AVE.  
HOLLAND MI, 49423  
PHONE: 616.396.0919, 800.748.0985  
FAX: 616.396.0944  
DISTINCTIVE STEEL SHELTERS  
WWW.ICONSHelters.COM  
COPYRIGHT 2004, ICON SHELTER SYSTEMS, INC.  
OF-73-01-41  
Engineering / Construction / Fabrication

**Foundation Design (Spread Type)**

Calculate the size of the footing (based on soil pressure due to service loads)

- 5.00 Preliminary Width(ft)
- 5.00 Preliminary Length (ft)
- 2.00 Preliminary Thickness(ft)
- 10.00 Base Plate Width (in)
- 10.00 Base Plate Length (in)
- 5.00 Column Width (in)
- 5.00 Column Depth (in)
- 20.89 Effective Depth of Footing (in)
- 20.83 Section Modulus of the Footing (Y axis)(ft<sup>3</sup>)
- 20.83 Section Modulus of the Footing (Z axis)(ft<sup>3</sup>)
- 2500 fc of the concrete (psi)
- 1500 Allowable Soil Pressure (psf)
- 5.00 Rebar Number
- 7.50 Weight of footing (K)
- 2.50 Center of Column (Y Direction) (ft)
- 2.50 Center of Column (Z Direction) (ft)



Assume max allowable soil pressure of 1500 (psf)

	COMBO	Fx (K)	Fy (K)	Fz (K)	My (K - IN)	Mz (K - IN)	Mr (K - IN)	Soil Pressure (psf)	Sliding force(k)
Max Fx	MCJASCE(2.4.1.6)WY2	4.78	0.02	0.64	-27.39	2.57	27.510307	611.04	0.64
Min Fx	MCJASCE(2.4.1.5)WX1	-0.73	0.79	0.44	-45.44	60.43	75.608058	694.28	0.90
Max Fy	MCJASCE(2.4.1.5)WX1	0.89	0.79	-0.45	45.89	60.23	75.599134	751.28	0.91
Min Fy	MCJASCE(2.4.1.5)WX1	-0.73	-0.79	0.44	-45.44	-60.43	75.608058	694.28	0.90
Max Fz	MCJASCE(2.4.1.6)WX2	3.89	-0.51	0.72	-41.73	-29.83	51.295436	741.84	0.86
Min Fz	MCJASCE(2.4.1.5)WX1	0.89	0.79	-0.45	45.89	60.23	75.599134	751.28	0.91
Max Mx	MCJASCE(2.4.1.5)WY1	1.28	-0.51	0.18	-3.46	-27.14	27.359664	473.60	0.54
Min Mx	MCJASCE(2.4.1.5)WY1	1.28	0.51	0.18	-3.46	27.14	27.359664	473.60	0.54
Max My	MCJASCE(2.4.1.5)WX1	0.89	-0.79	-0.45	45.89	-60.23	75.599134	751.28	0.91
Min My	MCJASCE(2.4.1.5)WX1	-0.73	0.79	0.44	-45.44	60.43	75.608058	694.28	0.90
Max Mz	MCJASCE(2.4.1.5)WX1	-0.73	0.79	0.44	-45.44	60.43	75.608058	694.28	0.90
Min Mz	MCJASCE(2.4.1.5)WX1	-0.73	-0.79	0.44	-45.44	-60.43	75.608058	694.28	0.90
	MCJASCE(2.4.1.1)DL	0.00							

\*Soil Pressure does not exceed the allowable (OK)

\*All Fx forces are Positive (OK)

Maximum Soil Pressure 751.28

**Lateral Sliding**

Coefficient	0.30		
Resistance to sliding	2.25		
Allowable Lateral Bearing	100	Allowable Soil Bearing =	1500
Lateral bearing resistance	1.00		
Max Sliding Force	0.91		
Factor of safety	3.57 (OK)		

**Factored combinations**

	COMBO	Fx (k)	Fy (k)	Fz (k)	My (k-in)	Mz (k-in)	Mr (k-in)	q <sub>ult</sub> (psf)
Max Fx	BJASCE(2.3.2.3)WY1	8.09	1.1	0.07	4.13	49.17	49.34	536.80
Min Fx	BJASCE(2.3.2.6)WY1	-1.15	-0.16	-0.01	7.89	0.16	7.89	212.80
Max Fy	BJASCE(2.3.2.6)WX1	1.18	-0.39	1.12	72.68	40.13	83.02	631.24
Min Fy	BJASCE(2.3.2.6)WX1	1.18	-0.39	-1.12	72.68	40.13	83.02	631.24
Max Fz	BJASCE(2.3.2.3)WX2	7.13	1.19	-0.59	33.22	64.46	72.52	570.72
Min Fz	BJASCE(2.3.2.6)WX1	1.18	-0.39	1.12	72.68	40.13	83.02	631.24
Max Mx	BJASCE(2.3.2.4)WY1	3.33	0.49	-0.84	44.13	14.89	46.51	415.28
Min Mx	BJASCE(2.3.2.4)WY1	3.33	0.49	0.84	44.13	14.89	46.51	415.28
Max My	BJASCE(2.3.2.6)WX1	1.18	-0.39	-1.12	72.68	40.13	83.02	631.24
Min My	BJASCE(2.3.2.3)WX1	6.51	1.13	0.28	21.35	64.47	67.91	523.28
Max Mz	BJASCE(2.3.2.6)WX1	1.18	-0.39	1.12	72.68	40.13	83.02	631.24
Min Mz	BJASCE(2.3.2.6)WX1	1.18	-0.39	-1.12	72.68	40.13	83.02	631.24

**Check Punching shear**

28.19 Length of critical perimeter (in)  
28.19 Width of critical perimeter (in)  
112.75  $b_o$ (in) critical perimeter for punching shear  
1.00  $\beta_c$   
396.53 Shear Capacity (K)  
8.09 Required Ultimate Strength(K)

**Check Flexural Shear**

**Shear Parallel to the Width of the footing**  
22.5 Width of loaded section (in)  
60 Length of loaded section (width of the footing) (in)  
3.42 Factored shear force at this section (K)  
105.51 Shear capacity of the footing (K)

**Shear Parallel to the length of the footing**  
22.5 width of loaded section (in)  
60 Length of loaded section (length of the footing) (in)  
3.42 Factored shear force at this section (K)  
105.51 Shear capacity of the footing (K)

**Design for Flexure**

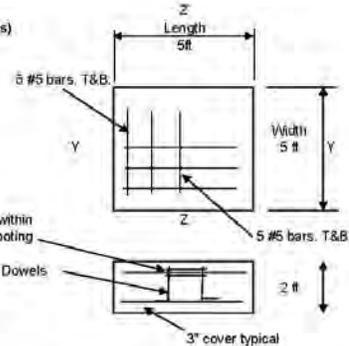
**Bending about the axis Parallel to the Width of the footing**  
26.25 Width of loaded section (in)  
60 Length of loaded section (width of the footing) (in)  
51.67 Factored Moment at this section (K-in)  
0.0009 K  
0.0009 w  
0.0463 As  
0.0018  $\rho_{min}$  (in<sup>2</sup>/in<sup>2</sup>)  
2.59 As(Min)  
0.31 Abar  
9 A Number of bars  
2.76 As(Actual)  
1.30 a  
2987.70 Mn (K-in)

**Bending about the axis Parallel to the length of the footing**  
26.25 width of loaded section (in)  
60 Length of loaded section (length of the footing) (in)  
55.09 Factored Moment at this section (K-in)  
0.0010 K  
0.0010 w  
0.0493 As  
0.0018  $\rho_{min}$  (in<sup>2</sup>/in<sup>2</sup>)  
2.59 As(Min)  
0.31 Abar  
9 B Number of bars  
2.76 As(Actual)  
1.30 a  
2987.70 Mn (K-in)

**Foundation Design (Spread Type)**

Calculate the size of the footing (based on soil pressure due to service loads)

- 5.00 Preliminary Width (ft)
- 5.00 Preliminary Length (ft)
- 2.00 Preliminary Thickness (ft)
- 10.00 Base Plate Width (in)
- 10.00 Base Plate Length (in)
- 5.00 Column Width (in)
- 5.00 Column Depth (in)
- 20.89 Effective Depth of Footing (in)
- 20.83 Section Modulus of the Footing (Y axis)(ft<sup>3</sup>)
- 20.83 Section Modulus of the Footing (Z axis)(ft<sup>3</sup>)
- 2500 fc of the concrete (psi)
- 1500 Allowable Soil Pressure (psf)
- 5.00 Rebar Number
- 7.50 Weight of footing (K)
- 2.50 Center of Column (Y Direction) (ft)
- 2.50 Center of Column (Z Direction) (ft)



Assume max allowable soil pressure of 1500 (psf)

	COMBO	Fx (K)	Fy (K)	Fz (K)	My (K - IN)	Mz (K - IN)	Mr (K - IN)	Soil Pressure (psf)	Sliding force(k)
Max Fx	MCJASCE(2.4.1.6)WY2	6.46	0.05	1.59	-86.02	5.52	86.19693	924.56	1.56
Min Fx	MCJASCE(2.4.1.5)WX1	-2.24	-0.02	1.05	-88.37	-0.88	88.373936	748.40	1.05
Max Fy	MCJASCE(2.4.1.5)WY1	-1.43	0.2	-0.25	12.92	15.34	20.055972	365.84	0.32
Min Fy	MCJASCE(2.4.1.7)WY1	-1.93	-0.2	-0.37	19.53	-15.61	25.00186	363.36	0.42
Max Fz	MCJASCE(2.4.1.6)WX1	4.57	0.06	1.8	-115.12	3.08	115.16119	955.60	1.80
Min Fz	MCJASCE(2.4.1.5)WX1	2.15	-0.02	-1.07	99.43	-0.92	99.434256	787.58	1.07
Max Mx	MCJASCE(2.4.1.6)WY2	6.46	-0.05	1.59	-86.02	-5.52	86.19693	924.56	1.56
Min Mx	MCJASCE(2.4.1.6)WY1	6.46	0.05	1.59	-86.02	5.52	86.19693	924.56	1.56
Max My	MCJASCE(2.4.1.5)WX1	2.15	0.02	-1.07	99.43	0.92	99.434256	787.58	1.07
Min My	MCJASCE(2.4.1.6)WY1	4.57	-0.06	1.8	-115.12	-3.08	115.16119	955.60	1.80
Max Mz	MCJASCE(2.4.1.7)WY1	-1.93	0.2	-0.37	19.53	15.61	25.00186	363.36	0.42
Min Mz	MCJASCE(2.4.1.7)WY1	-1.93	-0.2	-0.37	19.53	-15.61	25.00186	363.36	0.42
	MCJASCE(2.4.1.1)DL	0.00							

\*Soil Pressure does not exceed the allowable (OK)

\*All Fx forces are Positive (OK)

Maximum Soil Pressure 955.60

**Lateral Sliding**

Coefficient	0.30		
Resistance to sliding	2.25		
Allowable Lateral Bearing	100	Allowable Soil Bearing =	1500
Lateral bearing resistance	1.00		
Max Sliding Force	1.80		
Factor of safety	1.80 (OK)		

**Factored combinations**

	COMBO	Fx (k)	Fy (k)	Fz (k)	My (k-in)	Mz (k-in)	Mr (k-in)	Q <sub>ult</sub> (psf)
Max Fx	BJASCE(2.3.2.3)WY1	10.28	2.57	0.02	3.87	139.11	139.16	993.12
Min Fx	BJASCE(2.3.2.6)WY1	-3.57	-0.83	-0.29	23.4	44.54	50.31	451.76
Max Fy	BJASCE(2.3.2.6)WY1	-3.16	-0.61	0.33	25.02	32.24	40.81	409.04
Min Fy	BJASCE(2.3.2.6)WY1	-3.16	-0.61	-0.33	25.02	32.24	40.81	409.04
Max Fz	BJASCE(2.3.2.3)WX1	8.27	2.79	0.1	5.3	170.15	170.23	881.80
Min Fz	BJASCE(2.3.2.6)WX2	-0.03	-1.04	-0.01	0.49	84.82	84.82	521.24
Max Mx	BJASCE(2.3.2.4)WY2	8.18	1.96	-0.17	15.05	106	107.06	664.20
Min Mx	BJASCE(2.3.2.4)WY2	8.18	1.96	0.17	15.05	106	107.06	664.20
Max My	BJASCE(2.3.2.6)WX2	-0.03	-1.04	0.01	0.49	84.82	84.82	521.24
Min My	BJASCE(2.3.2.3)WX1	8.27	2.79	-0.1	5.3	170.15	170.23	881.80
Max Mz	BJASCE(2.3.2.6)WY1	-3.16	-0.61	0.33	25.02	32.24	40.81	409.04
Min Mz	BJASCE(2.3.2.6)WY1	-3.16	-0.61	-0.33	25.02	32.24	40.81	409.04

**Check Punching shear**

28.19 Length of critical perimeter (in)  
28.19 Width of critical perimeter (in)  
112.75  $b_o$ (in) critical perimeter for punching shear  
1.00  $\beta_c$   
396.53 Shear Capacity (K)  
10.28 Required Ultimate Strength(K)

**Check Flexural Shear**

**Shear Parallel to the Width of the footing**

22.5 Width of loaded section (in)  
60 Length of loaded section (width of the footing) (in)  
3.80 Factored shear force at this section (K)  
105.51 Shear capacity of the footing (K)

**Shear Parallel to the length of the footing**

22.5 width of loaded section (in)  
60 Length of loaded section (length of the footing) (in)  
8.73 Factored shear force at this section (K)  
105.51 Shear capacity of the footing (K)

**Design for Flexure**

**Bending about the axis Parallel to the Width of the footing**

26.25 Width of loaded section (in)  
60 Length of loaded section (width of the footing) (in)  
58.06 Factored Moment at this section (K-in)  
0.0010 K  
0.0010 w  
0.0520 As  
0.0018  $p_{min}$  ( $in^2/in^2$ )  
2.59 As(Min)  
0.31 Abar  
9 A Number of bars  
2.76 As(Actual)  
1.30 a  
2987.70 Mn (K-in)

**Bending about the axis Parallel to the length of the footing**

26.25 width of loaded section (in)  
60 Length of loaded section (length of the footing) (in)  
143.08 Factored Moment at this section (K-in)  
0.0025 K  
0.0025 w  
0.1263 As  
0.0018  $p_{min}$  ( $in^2/in^2$ )  
2.59 As(Min)  
0.31 Abar  
9 B Number of bars  
2.76 As(Actual)  
1.30 a  
2987.70 Mn (K-in)

MEMBER DESIGN

**CL1 Column**

Title: CL1  
 Count: 4  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: -13.25  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 11.00  
 Ly(ft) 11.00  
 Lz(ft) 11.00

**Section Properties**

Name HSS6X6X0.187  
 Depth (in) 6.00  
 Width (in) 6.00  
 Nominal Thickness (in) 0.19  
 Design Thickness (in) 0.17  
 Area (in<sup>2</sup>) 3.98  
 MOI Strong (in<sup>4</sup>) 22.30  
 MOI weak (in<sup>4</sup>) 22.30  
 Section Mod. Strong (in<sup>3</sup>) 7.42  
 Section Mod. Weak (in<sup>3</sup>) 7.42  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.6)WY2	29	1		1 4.78	0.02	0.64	-27.39	2.57	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	4		5 -0.76	-0.01	-0.10	-13.08	-3.95	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	3		1 0.69	0.79	-0.45	45.69	60.23	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	2		5 -0.73	-0.79	0.44	13.23	44.49	0.00
Max Fz	MC ASCE(2.4.1.6)WX2	27	2		1 3.89	-0.51	0.72	-41.73	-29.83	0.00
Min Fz	MC ASCE(2.4.1.5)WX1	20	3		5 0.69	0.79	-0.45	-13.68	-44.12	0.00
Max Mx	MC ASCE(2.4.1.5)WY1	22	2		1 1.28	-0.51	0.18	-3.46	-27.14	0.00
Min Mx	MC ASCE(2.4.1.5)WY1	22	1		5 1.13	0.51	0.18	20.69	-40.53	0.00
Max My	MC ASCE(2.4.1.6)WY2	29	1		5 4.63	0.02	0.64	56.69	0.14	0.00
Min My	MC ASCE(2.4.1.5)WX1	20	4		1 -0.73	0.79	0.44	-45.44	60.43	0.00
Max Mz	MC ASCE(2.4.1.5)WX1	20	4		1 -0.73	0.79	0.44	-45.44	60.43	0.00
Min Mz	MC ASCE(2.4.1.5)WX1	20	2		1 -0.73	-0.79	0.44	-45.44	-60.43	0.00

Compactness: NonCompact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ey	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC ASCE(2.4.1.6)WY2	1.20	20.24	3.69	27.60	0.35	27.60	33.43	33.43	0.21	0.00	True
Min Fx	MC ASCE(2.4.1.7)WY1	0.19	27.60	1.76	27.60	0.53	27.60	33.43	33.43	0.09	0.00	True
Max Fy	MC ASCE(2.4.1.5)WX1	0.17	20.24	6.16	27.60	8.12	27.60	33.43	33.43	0.53	0.00	True
Min Fy	MC ASCE(2.4.1.5)WX1	0.18	27.60	1.78	27.60	6.00	27.60	33.43	33.43	0.29	0.00	True
Max Fz	MC ASCE(2.4.1.6)WX2	0.98	20.24	5.62	27.60	4.02	27.60	33.43	33.43	0.40	0.00	True
Min Fz	MC ASCE(2.4.1.5)WX1	0.17	20.24	1.84	27.60	5.95	27.60	33.43	33.43	0.29	0.00	True
Max Mx	MC ASCE(2.4.1.5)WY1	0.32	20.24	0.47	27.60	3.66	27.60	33.43	33.43	0.17	0.00	True
Min Mx	MC ASCE(2.4.1.5)WY1	0.28	20.24	2.79	27.60	5.46	27.60	33.43	33.43	0.31	0.00	True
Max My	MC ASCE(2.4.1.6)WY2	1.16	20.24	7.64	27.60	0.02	27.60	33.43	33.43	0.34	0.00	True
Min My	MC ASCE(2.4.1.5)WX1	0.18	27.60	6.12	27.60	8.14	27.60	33.43	33.43	0.52	0.00	True
Max Mz	MC ASCE(2.4.1.5)WX1	0.18	27.60	6.12	27.60	8.14	27.60	33.43	33.43	0.52	0.00	True
Min Mz	MC ASCE(2.4.1.5)WX1	0.18	27.60	6.12	27.60	8.14	27.60	33.43	33.43	0.52	0.00	True

CONNECTION DESIGN

**CL1 I end - Base Plate Connection**

<b>BASE PLATE</b>		<b>Width(in)</b>	10.00	<b>Y edge(in)</b>	1.00	<b>Depth(in)</b>	6.00
		<b>Length(in)</b>	10.00	<b>Z edge(in)</b>	1.00	<b>Width(in)</b>	6.00
		<b>Thick(in)</b>	0.63	<b>Bolt Count</b>	4	<b>Weld Size(in)</b>	0.19
		<b>Hole Dia.(in)</b>	1.00			<b>Weld Type</b>	Fillet
<b>PEDISTAL</b>		<b>Bolt Count</b>	4	<b>Use L bolts</b>	False	<b>Pedistal Length(in)</b>	30.00
		<b>Bolt Dia(in)</b>	0.75	<b>L Bolt Leg Length(in)</b>	0.00	<b>Pedistal Width(in)</b>	30.00
		<b>Fu(ksi)</b>	58,000.00	<b>Embedment(in)</b>	10.00	<b>F'c(ksi)</b>	2,500.00
		<b>Fv(ksi)</b>	36,000.00	<b>Y spacing(in)</b>	8.00		
				<b>Z spacing(in)</b>	8.00		

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	Mv (K-in)	Mz (K-in)	Allow. Increase
Max Fx	B ASCE(2.3.2.3)WY1	43	1		1 8.09	0.07	1.10	-49.17	4.13	0.00
Min Fx	B ASCE(2.3.2.6)WY1	52	4		1 -1.15	-0.01	-0.16	-0.16	-7.99	0.00
Max Fy	B ASCE(2.3.2.6)WX1	50	3		1 1.18	1.12	-0.39	40.13	72.68	0.00
Min Fy	B ASCE(2.3.2.6)WX1	50	1		1 1.18	-1.12	-0.39	40.13	-72.68	0.00
Max Fz	B ASCE(2.3.2.3)WX2	41	2		1 7.13	-0.59	1.19	-64.46	-33.22	0.00
Min Fz	B ASCE(2.3.2.6)WX1	50	3		1 1.18	1.12	-0.39	40.13	72.68	0.00
Max Mx	B ASCE(2.3.2.4)WY1	46	2		1 3.33	-0.84	0.49	-14.69	-44.13	0.00
Min Mx	B ASCE(2.3.2.4)WY1	46	1		1 3.33	0.84	0.49	-14.69	44.13	0.00
Max My	B ASCE(2.3.2.6)WX1	50	1		1 1.18	-1.12	-0.39	40.13	-72.68	0.00
Min My	B ASCE(2.3.2.3)WX1	40	4		1 6.51	0.26	1.13	-64.47	21.35	0.00
Max Mz	B ASCE(2.3.2.6)WX1	50	3		1 1.18	1.12	-0.39	40.13	72.68	0.00
Min Mz	B ASCE(2.3.2.6)WX1	50	1		1 1.18	-1.12	-0.39	40.13	-72.68	0.00

**BASE CONNECTION RESULTS**

Label	C. Num	B. Shear Limit State			B. Ten Limit State			Weld				Plate Thick		Check		
		Vn Bolt (K)	Vu Bolt (K)	Tn Bolt (K)	Tu Bolt (K)	Intera ction	Vn Weld (K/in)	Vu Weld (K/in)	Tn Weld (K/in)	Tu Throat (in)	Muv req (K-in)	Muz Plate (K-in)	Thick Req (in)		Thick Act (in)	
Max Fx	43	7.56	0.55	9.57	1.07	0.18	4.18	0.05	8.44	0.77	0.03	2.98	0.00	0.16	0.63	True
Min Fx	52	7.56	0.04	9.57	0.76	0.10	4.18	0.01	8.44	0.22	0.01	0.60	1.72	0.12	0.63	True
Max Fy	50	7.56	1.19	9.57	6.25	0.99	4.18	0.05	8.44	2.30	0.10	5.14	9.79	0.30	0.63	True
Min Fy	50	7.56	1.19	9.57	6.25	0.99	4.18	0.05	8.44	2.30	0.10	5.14	9.79	0.30	0.63	True
Max Fz	41	7.56	1.33	9.57	3.89	0.61	4.18	0.06	8.44	1.74	0.08	5.64	1.18	0.22	0.63	True
Min Fz	50	7.56	1.19	9.57	6.25	0.99	4.18	0.05	8.44	2.30	0.10	5.14	9.79	0.30	0.63	True
Max Mx	46	7.56	0.49	9.57	2.58	0.33	4.18	0.04	8.44	1.09	0.05	0.43	4.64	0.20	0.63	True
Min Mx	46	7.56	0.49	9.57	2.58	0.33	4.18	0.04	8.44	1.09	0.05	0.43	4.64	0.20	0.63	True
Max My	50	7.56	1.19	9.57	6.25	0.99	4.18	0.05	8.44	2.30	0.10	5.14	9.79	0.30	0.63	True
Min My	40	7.56	0.58	9.57	3.35	0.43	4.18	0.05	8.44	1.52	0.07	5.96	0.00	0.23	0.63	True
Max Mz	50	7.56	1.19	9.57	6.25	0.99	4.18	0.05	8.44	2.30	0.10	5.14	9.79	0.30	0.63	True
Min Mz	50	7.56	1.19	9.57	6.25	0.99	4.18	0.05	8.44	2.30	0.10	5.14	9.79	0.30	0.63	True

MEMBER DESIGN

**CL2 Column**

Title: CL2  
 Count: 4  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: -18.43  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 11.00  
 Ly(ft) 11.00  
 Lz(ft) 11.00

**Section Properties**

Name HSS6X6X0.187  
 Depth (in) 6.00  
 Width (in) 6.00  
 Nominal Thickness (in) 0.19  
 Design Thickness (in) 0.17  
 Area (in<sup>2</sup>) 3.98  
 MOI Strong (in<sup>4</sup>) 22.30  
 MOI weak (in<sup>4</sup>) 22.30  
 Section Mod. Strong (in<sup>3</sup>) 7.42  
 Section Mod. Weak (in<sup>3</sup>) 7.42  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC\ASCE(2.4.1.6)WY2	29	5		1 6.46	0.05	1.59	-86.02	5.52	0.00
Min Fx	MC\ASCE(2.4.1.7)WY1	34	8		5 -2.27	-0.18	-0.51	-39.65	9.52	0.00
Max Fy	MC\ASCE(2.4.1.5)WY1	22	5		1 -1.43	0.20	-0.25	12.92	15.34	0.00
Min Fy	MC\ASCE(2.4.1.7)WY1	34	6		5 -2.02	-0.20	-0.37	-29.11	11.28	0.00
Max Fz	MC\ASCE(2.4.1.6)WX1	26	6		1 4.57	0.06	1.80	-115.12	3.08	0.00
Min Fz	MC\ASCE(2.4.1.5)WX1	20	7		5 2.15	-0.02	-1.07	-41.21	1.53	0.00
Max Mx	MC\ASCE(2.4.1.6)WY2	29	6		1 6.46	-0.05	1.59	-86.02	-5.52	0.00
Min Mx	MC\ASCE(2.4.1.6)WY2	29	5		5 6.31	0.05	1.59	124.06	-1.70	0.00
Max My	MC\ASCE(2.4.1.6)WY2	29	5		5 6.31	0.05	1.59	124.06	-1.70	0.00
Min My	MC\ASCE(2.4.1.6)WX1	26	8		1 4.57	-0.06	1.80	-115.12	-3.08	0.00
Max Mz	MC\ASCE(2.4.1.7)WY1	34	5		1 -1.93	0.20	-0.37	19.53	15.61	0.00
Min Mz	MC\ASCE(2.4.1.7)WY1	34	6		1 -1.93	-0.20	-0.37	19.53	-15.61	0.00

Compactness: NonCompact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ev	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC\ASCE(2.4.1.6)WY2	1.62	20.24	11.59	27.60	0.74	27.60	33.43	33.43	0.53	0.00	True
Min Fx	MC\ASCE(2.4.1.7)WY1	0.57	27.60	5.34	27.60	1.28	27.60	33.43	33.43	0.26	0.00	True
Max Fy	MC\ASCE(2.4.1.5)WY1	0.36	27.60	1.74	27.60	2.07	27.60	33.43	33.43	0.15	0.00	True
Min Fy	MC\ASCE(2.4.1.7)WY1	0.51	27.60	3.92	27.60	1.52	27.60	33.43	33.43	0.22	0.00	True
Max Fz	MC\ASCE(2.4.1.6)WX1	1.15	20.24	15.51	27.60	0.42	27.60	33.43	33.43	0.63	0.00	True
Min Fz	MC\ASCE(2.4.1.5)WX1	0.54	20.24	5.55	27.60	0.21	27.60	33.43	33.43	0.24	0.00	True
Max Mx	MC\ASCE(2.4.1.6)WY2	1.62	20.24	11.59	27.60	0.74	27.60	33.43	33.43	0.53	0.00	True
Min Mx	MC\ASCE(2.4.1.6)WY2	1.59	20.24	16.72	27.60	0.23	27.60	33.43	33.43	0.69	0.00	True
Max My	MC\ASCE(2.4.1.6)WY2	1.59	20.24	16.72	27.60	0.23	27.60	33.43	33.43	0.69	0.00	True
Min My	MC\ASCE(2.4.1.6)WX1	1.15	20.24	15.51	27.60	0.42	27.60	33.43	33.43	0.63	0.00	True
Max Mz	MC\ASCE(2.4.1.7)WY1	0.48	27.60	2.63	27.60	2.10	27.60	33.43	33.43	0.19	0.00	True
Min Mz	MC\ASCE(2.4.1.7)WY1	0.48	27.60	2.63	27.60	2.10	27.60	33.43	33.43	0.19	0.00	True

CONNECTION DESIGN

**CL2 I end - Base Plate Connection**

<b>BASE PLATE</b>		<b>Width(in)</b>	10.00	<b>Y edge(in)</b>	1.00	<b>Depth(in)</b>	6.00
		<b>Length(in)</b>	10.00	<b>Z edge(in)</b>	1.00	<b>Width(in)</b>	6.00
		<b>Thick(in)</b>	0.63	<b>Bolt Count</b>	4	<b>Weld Size(in)</b>	0.19
		<b>Hole Dia.(in)</b>	1.00			<b>Weld Type</b>	Fillet
<b>PEDISTAL</b>		<b>Bolt Count</b>	4	<b>Use L bolts</b>	False	<b>Pedistal Length(in)</b>	30.00
		<b>Bolt Dia(in)</b>	0.75	<b>L Bolt Leg Length(in)</b>	0.00	<b>Pedistal Width(in)</b>	30.00
		<b>Fu(ksi)</b>	58,000.00	<b>Embedment(in)</b>	10.00	<b>F'c(ksi)</b>	2,500.00
		<b>Fv(ksi)</b>	36,000.00	<b>Y spacing(in)</b>	8.00		
				<b>Z spacing(in)</b>	8.00		

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	Mv (K-in)	Mz (K-in)	Allow. Increase
Max Fx	B ASCE(2.3.2.3)WY1	43	5		110.28	0.02	2.57	-139.11	3.87	0.00
Min Fx	B ASCE(2.3.2.6)WY1	52	8		1-3.57	-0.29	-0.83	44.54	-23.40	0.00
Max Fy	B ASCE(2.3.2.6)WY1	52	5		1-3.16	0.33	-0.61	32.24	25.02	0.00
Min Fy	B ASCE(2.3.2.6)WY1	52	6		1-3.16	-0.33	-0.61	32.24	-25.02	0.00
Max Fz	B ASCE(2.3.2.3)WX1	40	6		1 8.27	0.10	2.79	-170.15	5.30	0.00
Min Fz	B ASCE(2.3.2.6)WX2	51	7		1-0.03	-0.01	-1.04	84.82	-0.49	0.00
Max Mx	B ASCE(2.3.2.4)WY2	47	6		1 8.18	-0.17	1.96	-106.00	-15.05	0.00
Min Mx	B ASCE(2.3.2.4)WY2	47	5		1 8.18	0.17	1.96	-106.00	15.05	0.00
Max My	B ASCE(2.3.2.6)WX2	51	5		1-0.03	0.01	-1.04	84.82	0.49	0.00
Min My	B ASCE(2.3.2.3)WX1	40	8		1 8.27	-0.10	2.79	-170.15	-5.30	0.00
Max Mz	B ASCE(2.3.2.6)WY1	52	5		1-3.16	0.33	-0.61	32.24	25.02	0.00
Min Mz	B ASCE(2.3.2.6)WY1	52	6		1-3.16	-0.33	-0.61	32.24	-25.02	0.00

**BASE CONNECTION RESULTS**

Label	C. Num	B. Shear Limit State		B. Ten Limit State		Weld					Plate Thick		Check			
		Vn Bolt (K)	Vu Bolt (K)	Tn Bolt (K)	Tu Bolt (K)	Weld Intera (K/in)	Vn Weld (K/in)	Vu Weld (K/in)	Tn Weld (K/in)	Tu Throat (in)	Muv req (K-in)	Muz Plate (K-in)		Thick Req (in)	Thick Act (in)	
Max Fx	43	7.56	1.29	9.57	5.73	0.79	4.18	0.11	8.44	2.55	0.11	14.73	0.00	0.36	0.63	True
Min Fx	52	7.56	0.22	9.57	4.84	0.57	4.18	0.04	8.44	1.56	0.07	8.15	5.13	0.27	0.63	True
Max Fy	52	7.56	0.17	9.57	4.11	0.51	4.18	0.03	8.44	1.32	0.06	6.19	5.15	0.23	0.63	True
Min Fy	52	7.56	0.17	9.57	4.11	0.51	4.18	0.03	8.44	1.32	0.06	6.19	5.15	0.23	0.63	True
Max Fz	40	7.56	1.40	9.57	8.12	1.07	4.18	0.12	8.44	3.31	0.15	20.17	0.00	0.42	0.63	True
Min Fz	51	7.56	0.52	9.57	4.96	0.62	4.18	0.04	8.44	1.78	0.08	12.13	0.09	0.33	0.63	True
Max Mx	47	7.56	0.98	9.57	4.98	0.65	4.18	0.08	8.44	2.18	0.10	11.05	0.00	0.31	0.63	True
Min Mx	47	7.56	0.98	9.57	4.98	0.65	4.18	0.08	8.44	2.18	0.10	11.05	0.00	0.31	0.63	True
Max My	51	7.56	0.52	9.57	4.96	0.62	4.18	0.04	8.44	1.78	0.08	12.13	0.09	0.33	0.63	True
Min My	40	7.56	1.40	9.57	8.12	1.07	4.18	0.12	8.44	3.31	0.15	20.17	0.00	0.42	0.63	True
Max Mz	52	7.56	0.17	9.57	4.11	0.51	4.18	0.03	8.44	1.32	0.06	6.19	5.15	0.23	0.63	True
Min Mz	52	7.56	0.17	9.57	4.11	0.51	4.18	0.03	8.44	1.32	0.06	6.19	5.15	0.23	0.63	True

MEMBER DESIGN

**PU1 Purlin**

Title: PU1  
 Count: 2  
 Horizontal Angle Start end: 43.49  
 Horizontal Angle Finish end: -43.49  
 Vertical Angle Start end: -12.92  
 Vertical Angle Finish end: 12.92  
 Ky 1.00  
 Kz 1.00  
 L(ft) 10.50  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS5X5X0.187  
 Depth (in) 5.00  
 Width (in) 5.00  
 Nominal Thickness (in) 0.19  
 Design Thickness (in) 0.17  
 Area (in<sup>2</sup>) 3.28  
 MOI Strong (in<sup>4</sup>) 12.60  
 MOI weak (in<sup>4</sup>) 12.60  
 Section Mod. Strong (in<sup>3</sup>) 5.03  
 Section Mod. Weak (in<sup>3</sup>) 5.03  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.3)S	19	28		1 3.45	0.25	0.74	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	29		5 -0.13	-0.03	0.01	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.3)S	19	28		1 3.45	0.25	0.74	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.3)S	19	29		5 3.45	-0.25	-0.74	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.6)WY1	28	28		1 2.53	0.20	1.07	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WY1	28	28		5 2.53	-0.20	-1.07	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	28		1 0.80	0.05	0.15	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	29		5 0.54	-0.04	-0.08	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.6)WY1	28	28		3 2.53	0.00	0.00	33.58	-6.22	0.00
Min My	MC ASCE(2.4.1.7)WY2	35	29		3 0.85	0.00	0.00	-14.66	-0.91	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	28		1 0.80	0.05	0.15	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.3)S	19	29		3 3.45	0.00	0.00	23.37	-7.79	0.00

Compactness: Compact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ey	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC ASCE(2.4.1.3)S	1.05	20.64	0.00	30.36	0.00	30.36	36.13	442.65	0.05	0.00	True
Min Fx	MC ASCE(2.4.1.7)WY1	0.04	27.60	0.00	30.36	0.00	30.36	36.13	442.65	0.00	0.00	True
Max Fy	MC ASCE(2.4.1.3)S	1.05	20.64	0.00	30.36	0.00	30.36	36.13	442.65	0.05	0.00	True
Min Fy	MC ASCE(2.4.1.3)S	1.05	20.64	0.00	30.36	0.00	30.36	36.13	442.65	0.05	0.00	True
Max Fz	MC ASCE(2.4.1.6)WY1	0.77	20.64	0.00	30.36	0.00	30.36	36.13	442.65	0.04	0.00	True
Min Fz	MC ASCE(2.4.1.6)WY1	0.77	20.64	0.00	30.36	0.00	30.36	36.13	442.65	0.04	0.00	True
Max Mx	MC ASCE(2.4.1.1)D	0.24	20.64	0.00	30.36	0.00	30.36	36.13	442.65	0.01	0.00	True
Min Mx	MC ASCE(2.4.1.8)EY	0.16	20.64	0.00	30.36	0.00	30.36	36.13	442.65	0.01	0.00	True
Max My	MC ASCE(2.4.1.6)WY1	0.77	20.64	6.68	30.36	1.24	30.36	36.13	442.65	0.30	0.00	True
Min My	MC ASCE(2.4.1.7)WY2	0.26	20.64	2.91	30.36	0.18	30.36	36.13	442.65	0.11	0.00	True
Max Mz	MC ASCE(2.4.1.1)D	0.24	20.64	0.00	30.36	0.00	30.36	36.13	442.65	0.01	0.00	True
Min Mz	MC ASCE(2.4.1.3)S	1.05	20.64	4.65	30.36	1.55	30.36	36.13	442.65	0.26	0.00	True

CONNECTION DESIGN

**PUI Lend - Purlin Connection**

<b>PURLIN CONNECTION</b>	<b>Weld Depth(in)</b>	5.13	<b>Plate Depth(in)</b>	7.13	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	6.89	<b>Plate Width(in)</b>	7.28	<b>Screws1</b>	5
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	5
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	78.02	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fy(ksi)</b>	50,000.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mv (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.3)S	19	28		1 3.45	0.25	0.74	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	29		1 -0.13	0.03	-0.01	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.3)S	19	28		1 3.45	0.25	0.74	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	29		1 -0.02	0.00	0.00	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.6)WY1	28	28		1 2.53	0.20	1.07	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.7)WY2	35	29		1 0.85	0.03	-0.47	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	28		1 0.80	0.05	0.15	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	29		1 0.54	0.04	0.08	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	28		1 0.80	0.05	0.15	0.00	0.00	0.00
Min My	MC ASCE(2.4.1.8)EY	37	29		1 0.54	0.04	0.08	0.00	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	28		1 0.80	0.05	0.15	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.8)EY	37	29		1 0.54	0.04	0.08	0.00	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Yh (K)</b>	<b>Yv (K)</b>	<b>Block</b>	<b>Block</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Che</b>
					<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	<b>Shear Nom (K/in)</b>	<b>Shear Ult (K/in)</b>	<b>Ten Nom (K/in)</b>	<b>Ten Ult (K/in)</b>	<b>Pullout Nom (K)</b>	<b>Pullout Ult (K)</b>	<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	2.39	2.61	-0.05	20.51	0.00	63.12	2.61	0.00	0.00	4.05	0.05	6.67	2.61	True
Min Fx	MC ASCE(2.4.1	-0.11	-0.07	0.02	20.51	0.13	63.12	0.13	0.00	0.00	4.05	0.00	6.67	0.15	True
Max Fy	MC ASCE(2.4.1	2.39	2.61	-0.05	20.51	0.00	63.12	2.61	0.00	0.00	4.05	0.05	6.67	2.61	True
Min Fy	MC ASCE(2.4.1	-0.01	-0.01	0.00	20.51	0.02	63.12	0.02	0.00	0.00	4.05	0.00	6.67	0.02	True
Max Fz	MC ASCE(2.4.1	1.82	2.01	0.48	20.51	0.48	63.12	2.06	0.00	0.00	4.05	0.00	6.67	2.06	True
Min Fz	MC ASCE(2.4.1	0.50	0.52	-0.65	20.51	0.00	63.12	-0.83	0.00	0.00	4.05	0.65	6.67	0.52	True
Max Mx	MC ASCE(2.4.1	0.56	0.60	-0.03	20.51	0.00	63.12	0.60	0.00	0.00	4.05	0.03	6.67	0.60	True
Min Mx	MC ASCE(2.4.1	0.37	0.40	-0.04	20.51	0.00	63.12	0.41	0.00	0.00	4.05	0.04	6.67	0.40	True
Max My	MC ASCE(2.4.1	0.56	0.60	-0.03	20.51	0.00	63.12	0.60	0.00	0.00	4.05	0.03	6.67	0.60	True
Min My	MC ASCE(2.4.1	0.37	0.40	-0.04	20.51	0.00	63.12	0.41	0.00	0.00	4.05	0.04	6.67	0.40	True
Max Mz	MC ASCE(2.4.1	0.56	0.60	-0.03	20.51	0.00	63.12	0.60	0.00	0.00	4.05	0.03	6.67	0.60	True
Min Mz	MC ASCE(2.4.1	0.37	0.40	-0.04	20.51	0.00	63.12	0.41	0.00	0.00	4.05	0.04	6.67	0.40	True

CONNECTION DESIGN

**PUI J end - Purlin Connection**

<b>PURLIN CONNECTION</b>	<b>Weld Depth(in)</b>	5.13	<b>Plate Depth(in)</b>	7.13	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	6.89	<b>Plate Width(in)</b>	7.28	<b>Screws1</b>	5
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	5
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	78.02	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fy(ksi)</b>	50.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mv (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.3)S	19	28		5	3.45	-0.25	-0.74	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	29		5	-0.13	-0.03	0.01	0.00	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	28		5	-0.02	0.00	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.3)S	19	29		5	3.45	-0.25	-0.74	0.00	0.00
Max Fz	MC ASCE(2.4.1.7)WY2	35	29		5	0.85	-0.03	0.47	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WY1	28	28		5	2.53	-0.20	-1.07	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	28		5	0.80	-0.05	-0.15	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	29		5	0.54	-0.04	-0.08	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	28		5	0.80	-0.05	-0.15	0.00	0.00
Min My	MC ASCE(2.4.1.8)EY	37	29		5	0.54	-0.04	-0.08	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	28		5	0.80	-0.05	-0.15	0.00	0.00
Min Mz	MC ASCE(2.4.1.8)EY	37	29		5	0.54	-0.04	-0.08	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Yh (K)</b>	<b>Yv (K)</b>	<b>Block Shear</b>		<b>Weld Shear</b>		<b>Weld Ten</b>		<b>Screw Pullout</b>		<b>Screw Shear</b>		<b>Che</b>
					<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	2.39	2.61	-0.05	20.51	0.00	63.12	2.61	0.00	0.00	4.05	0.05	6.67	2.61	True
Min Fx	MC ASCE(2.4.1	-0.11	-0.07	0.02	20.51	0.13	63.12	0.13	0.00	0.00	4.05	0.00	6.67	0.15	True
Max Fy	MC ASCE(2.4.1	-0.01	-0.01	0.00	20.51	0.02	63.12	0.02	0.00	0.00	4.05	0.00	6.67	0.02	True
Min Fy	MC ASCE(2.4.1	2.39	2.61	-0.05	20.51	0.00	63.12	2.61	0.00	0.00	4.05	0.05	6.67	2.61	True
Max Fz	MC ASCE(2.4.1	0.50	0.52	-0.65	20.51	0.00	63.12	0.83	0.00	0.00	4.05	0.65	6.67	0.52	True
Min Fz	MC ASCE(2.4.1	1.82	2.01	0.48	20.51	0.48	63.12	2.06	0.00	0.00	4.05	0.00	6.67	2.06	True
Max Mx	MC ASCE(2.4.1	0.56	0.60	-0.03	20.51	0.00	63.12	0.60	0.00	0.00	4.05	0.03	6.67	0.60	True
Min Mx	MC ASCE(2.4.1	0.37	0.40	-0.04	20.51	0.00	63.12	0.41	0.00	0.00	4.05	0.04	6.67	0.40	True
Max My	MC ASCE(2.4.1	0.56	0.60	-0.03	20.51	0.00	63.12	0.60	0.00	0.00	4.05	0.03	6.67	0.60	True
Min My	MC ASCE(2.4.1	0.37	0.40	-0.04	20.51	0.00	63.12	0.41	0.00	0.00	4.05	0.04	6.67	0.40	True
Max Mz	MC ASCE(2.4.1	0.56	0.60	-0.03	20.51	0.00	63.12	0.60	0.00	0.00	4.05	0.03	6.67	0.60	True
Min Mz	MC ASCE(2.4.1	0.37	0.40	-0.04	20.51	0.00	63.12	0.41	0.00	0.00	4.05	0.04	6.67	0.40	True

MEMBER DESIGN

**PU2 Purlin**

Title: PU2  
 Count: 2  
 Horizontal Angle Start end: 43.49  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: -12.92  
 Vertical Angle Finish end: 0.00  
 Ky 1.00  
 Kz 1.00  
 Lx(ft) 13.42  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS5X5X0.187  
 Depth (in) 5.00  
 Width (in) 5.00  
 Nominal Thickness (in) 0.19  
 Design Thickness (in) 0.17  
 Area (in<sup>2</sup>) 3.28  
 MOI Strong (in<sup>4</sup>) 12.60  
 MOI weak (in<sup>4</sup>) 12.60  
 Section Mod. Strong (in<sup>3</sup>) 5.03  
 Section Mod. Weak (in<sup>3</sup>) 5.03  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC\ASCE(2.4.1.6)WX2	27	32		1 3.39	0.25	0.76	0.00	0.00	0.00
Min Fx	MC\ASCE(2.4.1.7)WX1	32	31		5 -0.44	-0.04	0.01	0.00	0.00	0.00
Max Fy	MC\ASCE(2.4.1.3)S	19	31		1 3.37	0.32	0.95	0.00	0.00	0.00
Min Fy	MC\ASCE(2.4.1.3)S	19	32		5 3.37	-0.32	-0.95	0.00	0.00	0.00
Max Fz	MC\ASCE(2.4.1.6)WX1	26	32		1 2.14	0.25	1.36	0.00	0.00	0.00
Min Fz	MC\ASCE(2.4.1.6)WX1	26	32		5 2.14	-0.25	-1.36	0.00	0.00	0.00
Max Mx	MC\ASCE(2.4.1.1)D	18	31		1 0.79	0.06	0.19	0.00	0.00	0.00
Min Mx	MC\ASCE(2.4.1.8)EY	37	32		5 0.47	-0.04	-0.11	0.00	0.00	0.00
Max My	MC\ASCE(2.4.1.6)WX1	26	32		3 2.14	0.00	0.00	54.83	-10.16	0.00
Min My	MC\ASCE(2.4.1.5)WX1	20	31		3 -0.13	0.00	0.00	-33.46	0.00	0.00
Max Mz	MC\ASCE(2.4.1.1)D	18	31		1 0.79	0.06	0.19	0.00	0.00	0.00
Min Mz	MC\ASCE(2.4.1.3)S	19	32		3 3.37	0.00	0.00	38.15	-12.72	0.00

Compactness: Compact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ey	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC\ASCE(2.4.1.6)WX2	1.03	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.06	0.00	True
Min Fx	MC\ASCE(2.4.1.7)WX1	0.13	27.60	0.00	30.36	0.00	30.36	22.12	442.65	0.00	0.00	True
Max Fy	MC\ASCE(2.4.1.3)S	1.03	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.06	0.00	True
Min Fy	MC\ASCE(2.4.1.3)S	1.03	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.06	0.00	True
Max Fz	MC\ASCE(2.4.1.6)WX1	0.65	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.04	0.00	True
Min Fz	MC\ASCE(2.4.1.6)WX1	0.65	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.04	0.00	True
Max Mx	MC\ASCE(2.4.1.1)D	0.24	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.01	0.00	True
Min Mx	MC\ASCE(2.4.1.8)EY	0.14	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.01	0.00	True
Max My	MC\ASCE(2.4.1.6)WX1	0.65	17.71	10.90	30.36	2.02	30.36	22.12	442.65	0.46	0.00	True
Min My	MC\ASCE(2.4.1.5)WX1	0.04	27.60	6.65	30.36	0.00	30.36	22.12	442.65	0.22	0.00	True
Max Mz	MC\ASCE(2.4.1.1)D	0.24	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.01	0.00	True
Min Mz	MC\ASCE(2.4.1.3)S	1.03	17.71	7.58	30.36	2.53	30.36	22.12	442.65	0.39	0.00	True

CONNECTION DESIGN

**PU2 I end - Purlin Connection**

<b>PURLIN CONNECTION</b>	<b>Weld Depth(in)</b>	5.13	<b>Plate Depth(in)</b>	7.13	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	6.89	<b>Plate Width(in)</b>	7.28	<b>Screws1</b>	4
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	4
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	78.02	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksf)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fv(ksf)</b>	50,000.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mv (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WX2	27	32		1 3.39	0.25	0.76	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WX1	32	31		1 -0.44	0.04	-0.01	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.3)S	19	31		1 3.37	0.32	0.95	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	32		1 0.11	0.00	0.81	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.6)WX1	26	32		1 2.14	0.25	1.36	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.5)WX1	20	31		1 -0.13	0.00	-0.83	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	31		1 0.79	0.06	0.19	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	32		1 0.51	0.04	0.11	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	31		1 0.79	0.06	0.19	0.00	0.00	0.00
Min My	MC ASCE(2.4.1.8)EY	37	32		1 0.51	0.04	0.11	0.00	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	31		1 0.79	0.06	0.19	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.8)EY	37	32		1 0.51	0.04	0.11	0.00	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Yh (K)</b>	<b>Yv (K)</b>	<b>Block</b>	<b>Block</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Che</b>
					<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	<b>Shear Nom (K/in)</b>	<b>Shear Ult (K/in)</b>	<b>Ten Nom (K/in)</b>	<b>Ten Ult (K/in)</b>	<b>Pullout Nom (K)</b>	<b>Pullout Ult (K)</b>	<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	2.35	2.57	-0.02	21.36	0.00	63.12	2.57	0.00	0.00	3.24	0.02	5.34	2.57	True
Min Fx	MC ASCE(2.4.1	-0.34	0.27	0.09	21.36	0.43	63.12	0.44	0.00	0.00	3.24	0.00	5.34	0.51	True
Max Fy	MC ASCE(2.4.1	2.32	2.64	0.17	21.36	0.17	63.12	2.64	0.00	0.00	3.24	0.00	5.34	2.64	True
Min Fy	MC ASCE(2.4.1	0.21	0.20	0.76	21.36	0.76	63.12	0.79	0.00	0.00	3.24	0.00	5.34	0.79	True
Max Fz	MC ASCE(2.4.1	1.56	1.83	0.85	21.36	0.85	63.12	2.01	0.00	0.00	3.24	0.00	5.34	2.01	True
Min Fz	MC ASCE(2.4.1	-0.23	-0.21	-0.78	21.36	0.23	63.12	0.84	0.00	0.00	3.24	0.78	5.34	0.31	True
Max Mx	MC ASCE(2.4.1	0.55	0.60	0.01	21.36	0.01	63.12	0.60	0.00	0.00	3.24	0.00	5.34	0.60	True
Min Mx	MC ASCE(2.4.1	0.35	0.39	-0.01	21.36	0.00	63.12	0.39	0.00	0.00	3.24	0.01	5.34	0.39	True
Max My	MC ASCE(2.4.1	0.55	0.60	0.01	21.36	0.01	63.12	0.60	0.00	0.00	3.24	0.00	5.34	0.60	True
Min My	MC ASCE(2.4.1	0.35	0.39	-0.01	21.36	0.00	63.12	0.39	0.00	0.00	3.24	0.01	5.34	0.39	True
Max Mz	MC ASCE(2.4.1	0.55	0.60	0.01	21.36	0.01	63.12	0.60	0.00	0.00	3.24	0.00	5.34	0.60	True
Min Mz	MC ASCE(2.4.1	0.35	0.39	-0.01	21.36	0.00	63.12	0.39	0.00	0.00	3.24	0.01	5.34	0.39	True

CONNECTION DESIGN

**PU2 J end - Purlin Connection**

<b>PURLIN CONNECTION</b>	<b>Weld Depth(in)</b>	5.00	<b>Plate Depth(in)</b>	7.00	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	5.00	<b>Plate Width(in)</b>	5.38	<b>Screws1</b>	3
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	4
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	90.00	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fy(ksi)</b>	50.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mv (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WX2	27	32		5.339	-0.25	-0.76	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WX1	32	31		5.044	-0.04	0.01	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	31		5.013	0.00	0.83	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.3)S	19	32		5.337	-0.32	-0.95	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.5)WX1	20	31		5.013	0.00	0.83	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WX1	26	32		5.214	-0.25	-1.36	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	31		5.079	-0.06	-0.19	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	32		5.047	-0.04	-0.11	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	31		5.079	-0.06	-0.19	0.00	0.00	0.00
Min My	MC ASCE(2.4.1.8)EY	37	32		5.047	-0.04	-0.11	0.00	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	31		5.079	-0.06	-0.19	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.8)EY	37	32		5.047	-0.04	-0.11	0.00	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Yh (K)</b>	<b>Yv (K)</b>	<b>Block</b>	<b>Block</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Che</b>
					<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	<b>Shear Nom (K/in)</b>	<b>Shear Ult (K/in)</b>	<b>Ten Nom (K/in)</b>	<b>Ten Ult (K/in)</b>	<b>Pullout Nom (K)</b>	<b>Pullout Ult (K)</b>	<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	3.39	0.25	0.76	14.87	0.76	52.50	0.80	0.00	0.00	2.84	0.00	4.67	0.80	True
Min Fx	MC ASCE(2.4.1	-0.44	0.04	-0.01	14.87	0.44	52.50	0.44	0.00	0.00	2.84	0.01	4.67	0.44	True
Max Fy	MC ASCE(2.4.1	-0.13	0.00	-0.83	14.87	0.13	52.50	0.84	0.00	0.00	2.84	0.83	4.67	0.13	True
Min Fy	MC ASCE(2.4.1	3.37	0.32	0.95	14.87	0.95	52.50	1.00	0.00	0.00	2.84	0.00	4.67	1.00	True
Max Fz	MC ASCE(2.4.1	-0.13	0.00	-0.83	14.87	0.13	52.50	0.84	0.00	0.00	2.84	0.83	4.67	0.13	True
Min Fz	MC ASCE(2.4.1	2.14	0.25	1.36	14.87	1.36	52.50	1.38	0.00	0.00	2.84	0.00	4.67	1.38	True
Max Mx	MC ASCE(2.4.1	0.79	0.06	0.19	14.87	0.19	52.50	0.20	0.00	0.00	2.84	0.00	4.67	0.20	True
Min Mx	MC ASCE(2.4.1	0.47	0.04	0.11	14.87	0.11	52.50	0.12	0.00	0.00	2.84	0.00	4.67	0.12	True
Max My	MC ASCE(2.4.1	0.79	0.06	0.19	14.87	0.19	52.50	0.20	0.00	0.00	2.84	0.00	4.67	0.20	True
Min My	MC ASCE(2.4.1	0.47	0.04	0.11	14.87	0.11	52.50	0.12	0.00	0.00	2.84	0.00	4.67	0.12	True
Max Mz	MC ASCE(2.4.1	0.79	0.06	0.19	14.87	0.19	52.50	0.20	0.00	0.00	2.84	0.00	4.67	0.20	True
Min Mz	MC ASCE(2.4.1	0.47	0.04	0.11	14.87	0.11	52.50	0.12	0.00	0.00	2.84	0.00	4.67	0.12	True

MEMBER DESIGN

**PU3 Purlin**

Title: PU3  
 Count: 2  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: -43.49  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 12.92  
 Ky 1.00  
 Kz 1.00  
 Lx(ft) 13.42  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS5X5X0.187  
 Depth (in) 5.00  
 Width (in) 5.00  
 Nominal Thickness (in) 0.19  
 Design Thickness (in) 0.17  
 Area (in<sup>2</sup>) 3.28  
 MOI Strong (in<sup>4</sup>) 12.60  
 MOI weak (in<sup>4</sup>) 12.60  
 Section Mod. Strong (in<sup>3</sup>) 5.03  
 Section Mod. Weak (in<sup>3</sup>) 5.03  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.6)WX2	27	30		1 3.39	0.25	0.76	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WX1	32	33		5 -0.44	-0.04	0.01	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.3)S	19	30		1 3.37	0.32	0.95	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.3)S	19	33		5 3.37	-0.32	-0.95	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.6)WX1	26	30		1 2.14	0.25	1.36	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WX1	26	30		5 2.14	-0.25	-1.36	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	30		1 0.79	0.06	0.19	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	33		5 0.51	-0.04	-0.11	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.6)WX1	26	30		3 2.14	0.00	0.00	54.83	-10.16	0.00
Min My	MC ASCE(2.4.1.5)WX1	20	33		3 -0.13	0.00	0.00	-33.46	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	30		1 0.79	0.06	0.19	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.3)S	19	33		3 3.37	0.00	0.00	38.15	-12.72	0.00

Compactness: Compact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ey	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC ASCE(2.4.1.6)WX2	1.03	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.06	0.00	True
Min Fx	MC ASCE(2.4.1.7)WX1	0.13	27.60	0.00	30.36	0.00	30.36	22.12	442.65	0.00	0.00	True
Max Fy	MC ASCE(2.4.1.3)S	1.03	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.06	0.00	True
Min Fy	MC ASCE(2.4.1.3)S	1.03	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.06	0.00	True
Max Fz	MC ASCE(2.4.1.6)WX1	0.65	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.04	0.00	True
Min Fz	MC ASCE(2.4.1.6)WX1	0.65	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.04	0.00	True
Max Mx	MC ASCE(2.4.1.1)D	0.24	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.01	0.00	True
Min Mx	MC ASCE(2.4.1.8)EY	0.16	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.01	0.00	True
Max My	MC ASCE(2.4.1.6)WX1	0.65	17.71	10.90	30.36	2.02	30.36	22.12	442.65	0.46	0.00	True
Min My	MC ASCE(2.4.1.5)WX1	0.04	27.60	6.65	30.36	0.00	30.36	22.12	442.65	0.22	0.00	True
Max Mz	MC ASCE(2.4.1.1)D	0.24	17.71	0.00	30.36	0.00	30.36	22.12	442.65	0.01	0.00	True
Min Mz	MC ASCE(2.4.1.3)S	1.03	17.71	7.58	30.36	2.53	30.36	22.12	442.65	0.39	0.00	True

CONNECTION DESIGN

**PU3 I end - Purlin Connection**

<b>PURLIN CONNECTION</b>	<b>Weld Depth(in)</b>	5.00	<b>Plate Depth(in)</b>	7.00	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	5.00	<b>Plate Width(in)</b>	5.38	<b>Screws1</b>	3
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	4
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	90.00	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fy(ksi)</b>	50,000.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mv (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WX2	27	30		1 3.39	0.25	0.76	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WX1	32	33		1 -0.44	0.04	-0.01	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.3)S	19	30		1 3.37	0.32	0.95	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	33		1 -0.13	0.00	-0.83	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.6)WX1	26	30		1 2.14	0.25	1.36	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.5)WX1	20	33		1 -0.13	0.00	-0.83	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	30		1 0.79	0.06	0.19	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	33		1 0.47	0.04	0.11	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	30		1 0.79	0.06	0.19	0.00	0.00	0.00
Min My	MC ASCE(2.4.1.8)EY	37	33		1 0.47	0.04	0.11	0.00	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	30		1 0.79	0.06	0.19	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.8)EY	37	33		1 0.47	0.04	0.11	0.00	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Yh (K)</b>	<b>Yv (K)</b>	<b>Block</b>	<b>Block</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Che</b>
					<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	<b>Shear Nom (K/in)</b>	<b>Shear Ult (K/in)</b>	<b>Ten Nom (K/in)</b>	<b>Ten Ult (K/in)</b>	<b>Pullout Nom (K)</b>	<b>Pullout Ult (K)</b>	<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	3.39	0.25	0.76	14.87	0.76	52.50	0.80	0.00	0.00	2.84	0.00	4.67	0.80	True
Min Fx	MC ASCE(2.4.1	-0.44	0.04	-0.01	14.87	0.44	52.50	0.44	0.00	0.00	2.84	0.01	4.67	0.44	True
Max Fy	MC ASCE(2.4.1	3.37	0.32	0.95	14.87	0.95	52.50	1.00	0.00	0.00	2.84	0.00	4.67	1.00	True
Min Fy	MC ASCE(2.4.1	-0.13	0.00	-0.83	14.87	0.13	52.50	0.84	0.00	0.00	2.84	0.83	4.67	0.13	True
Max Fz	MC ASCE(2.4.1	2.14	0.25	1.36	14.87	1.36	52.50	1.38	0.00	0.00	2.84	0.00	4.67	1.38	True
Min Fz	MC ASCE(2.4.1	-0.13	0.00	-0.83	14.87	0.13	52.50	0.84	0.00	0.00	2.84	0.83	4.67	0.13	True
Max Mx	MC ASCE(2.4.1	0.79	0.06	0.19	14.87	0.19	52.50	0.20	0.00	0.00	2.84	0.00	4.67	0.20	True
Min Mx	MC ASCE(2.4.1	0.47	0.04	0.11	14.87	0.11	52.50	0.12	0.00	0.00	2.84	0.00	4.67	0.12	True
Max My	MC ASCE(2.4.1	0.79	0.06	0.19	14.87	0.19	52.50	0.20	0.00	0.00	2.84	0.00	4.67	0.20	True
Min My	MC ASCE(2.4.1	0.47	0.04	0.11	14.87	0.11	52.50	0.12	0.00	0.00	2.84	0.00	4.67	0.12	True
Max Mz	MC ASCE(2.4.1	0.79	0.06	0.19	14.87	0.19	52.50	0.20	0.00	0.00	2.84	0.00	4.67	0.20	True
Min Mz	MC ASCE(2.4.1	0.47	0.04	0.11	14.87	0.11	52.50	0.12	0.00	0.00	2.84	0.00	4.67	0.12	True

CONNECTION DESIGN

**PU3 J end - Purlin Connection**

<b>PURLIN CONNECTION</b>	<b>Weld Depth(in)</b>	5.13	<b>Plate Depth(in)</b>	7.13	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	6.89	<b>Plate Width(in)</b>	7.28	<b>Screws1</b>	4
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	4
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	78.02	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fv(ksi)</b>	50.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mv (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WX2	27	30		5.339	-0.25	-0.76	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WX1	32	33		5.044	-0.04	0.01	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	30		5.011	0.00	-0.81	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.3)S	19	33		5.337	-0.32	-0.95	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.5)WX1	20	33		5.013	0.00	0.83	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WX1	26	30		5.214	-0.25	-1.36	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	30		5.079	-0.06	-0.19	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	33		5.051	-0.04	-0.11	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	30		5.079	-0.06	-0.19	0.00	0.00	0.00
Min My	MC ASCE(2.4.1.8)EY	37	33		5.051	-0.04	-0.11	0.00	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	30		5.079	-0.06	-0.19	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.8)EY	37	33		5.051	-0.04	-0.11	0.00	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Yh (K)</b>	<b>Yv (K)</b>	<b>Block Shear</b>		<b>Weld Shear</b>		<b>Weld Ten</b>		<b>Screw Pullout</b>		<b>Screw Shear</b>		<b>Chk</b>
					<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	2.35	2.57	-0.02	21.36	0.00	63.12	2.57	0.00	0.00	3.24	0.02	5.34	2.57	True
Min Fx	MC ASCE(2.4.1	-0.34	0.27	0.09	21.36	0.43	63.12	0.44	0.00	0.00	3.24	0.00	5.34	0.51	True
Max Fy	MC ASCE(2.4.1	0.21	0.20	0.76	21.36	0.76	63.12	0.79	0.00	0.00	3.24	0.00	5.34	0.79	True
Min Fy	MC ASCE(2.4.1	2.32	2.64	0.17	21.36	0.17	63.12	2.64	0.00	0.00	3.24	0.00	5.34	2.64	True
Max Fz	MC ASCE(2.4.1	-0.23	-0.21	-0.78	21.36	0.23	63.12	0.84	0.00	0.00	3.24	0.78	5.34	0.31	True
Min Fz	MC ASCE(2.4.1	1.56	1.83	0.85	21.36	0.85	63.12	2.01	0.00	0.00	3.24	0.00	5.34	2.01	True
Max Mx	MC ASCE(2.4.1	0.55	0.60	0.01	21.36	0.01	63.12	0.60	0.00	0.00	3.24	0.00	5.34	0.60	True
Min Mx	MC ASCE(2.4.1	0.35	0.39	-0.01	21.36	0.00	63.12	0.39	0.00	0.00	3.24	0.01	5.34	0.39	True
Max My	MC ASCE(2.4.1	0.55	0.60	0.01	21.36	0.01	63.12	0.60	0.00	0.00	3.24	0.00	5.34	0.60	True
Min My	MC ASCE(2.4.1	0.35	0.39	-0.01	21.36	0.00	63.12	0.39	0.00	0.00	3.24	0.01	5.34	0.39	True
Max Mz	MC ASCE(2.4.1	0.55	0.60	0.01	21.36	0.01	63.12	0.60	0.00	0.00	3.24	0.00	5.34	0.60	True
Min Mz	MC ASCE(2.4.1	0.35	0.39	-0.01	21.36	0.00	63.12	0.39	0.00	0.00	3.24	0.01	5.34	0.39	True

MEMBER DESIGN

**PU4 Purlin**

Title: PU4  
 Count: 2  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky 1.00  
 Kz 1.00  
 Lx(ft) 18.66  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS5X5X0.187  
 Depth (in) 5.00  
 Width (in) 5.00  
 Nominal Thickness (in) 0.19  
 Design Thickness (in) 0.17  
 Area (in<sup>2</sup>) 3.28  
 MOI Strong (in<sup>4</sup>) 12.60  
 MOI weak (in<sup>4</sup>) 12.60  
 Section Mod. Strong (in<sup>3</sup>) 5.03  
 Section Mod. Weak (in<sup>3</sup>) 5.03  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC\ASCE(2.4.1.6)WX2	27	34		1 3.02	0.35	1.06	0.00	0.00	0.00
Min Fx	MC\ASCE(2.4.1.7)WX1	32	35		5 -0.87	-0.05	0.02	0.00	0.00	0.00
Max Fy	MC\ASCE(2.4.1.3)S	19	34		1 2.63	0.44	1.32	0.00	0.00	0.00
Min Fy	MC\ASCE(2.4.1.3)S	19	35		5 2.63	-0.44	-1.32	0.00	0.00	0.00
Max Fz	MC\ASCE(2.4.1.6)WX1	26	34		1 1.56	0.35	1.90	0.00	0.00	0.00
Min Fz	MC\ASCE(2.4.1.6)WX1	26	34		5 1.56	-0.35	-1.90	0.00	0.00	0.00
Max Mx	MC\ASCE(2.4.1.1)D	18	34		1 0.64	0.09	0.26	0.00	0.00	0.00
Min Mx	MC\ASCE(2.4.1.8)EY	37	35		5 0.41	-0.05	-0.15	0.00	0.00	0.00
Max My	MC\ASCE(2.4.1.6)WX1	26	34		3 1.56	0.00	0.00	106.13	-19.67	0.00
Min My	MC\ASCE(2.4.1.5)WX1	20	35		3 -0.44	0.00	0.00	-64.76	0.00	0.00
Max Mz	MC\ASCE(2.4.1.1)D	18	34		1 0.64	0.09	0.26	0.00	0.00	0.00
Min Mz	MC\ASCE(2.4.1.3)S	19	35		3 2.63	0.00	0.00	73.85	-24.62	0.00

Compactness: Compact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ey	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC\ASCE(2.4.1.6)WX2	0.92	11.44	0.00	30.36	0.00	30.36	11.44	442.65	0.08	0.00	True
Min Fx	MC\ASCE(2.4.1.7)WX1	0.27	27.60	0.00	30.36	0.00	30.36	11.44	442.65	0.01	0.00	True
Max Fy	MC\ASCE(2.4.1.3)S	0.80	11.44	0.00	30.36	0.00	30.36	11.44	442.65	0.07	0.00	True
Min Fy	MC\ASCE(2.4.1.3)S	0.80	11.44	0.00	30.36	0.00	30.36	11.44	442.65	0.07	0.00	True
Max Fz	MC\ASCE(2.4.1.6)WX1	0.48	11.44	0.00	30.36	0.00	30.36	11.44	442.65	0.04	0.00	True
Min Fz	MC\ASCE(2.4.1.6)WX1	0.48	11.44	0.00	30.36	0.00	30.36	11.44	442.65	0.04	0.00	True
Max Mx	MC\ASCE(2.4.1.1)D	0.20	11.44	0.00	30.36	0.00	30.36	11.44	442.65	0.02	0.00	True
Min Mx	MC\ASCE(2.4.1.8)EY	0.13	11.44	0.00	30.36	0.00	30.36	11.44	442.65	0.01	0.00	True
Max My	MC\ASCE(2.4.1.6)WX1	0.48	11.44	21.10	30.36	3.91	30.36	11.44	442.65	0.87	0.00	True
Min My	MC\ASCE(2.4.1.5)WX1	0.13	27.60	12.87	30.36	0.00	30.36	11.44	442.65	0.43	0.00	True
Max Mz	MC\ASCE(2.4.1.1)D	0.20	11.44	0.00	30.36	0.00	30.36	11.44	442.65	0.02	0.00	True
Min Mz	MC\ASCE(2.4.1.3)S	0.80	11.44	14.68	30.36	4.89	30.36	11.44	442.65	0.71	0.00	True

CONNECTION DESIGN

**PU4 I end - Purlin Connection**

<b>PURLIN CONNECTION</b>	<b>Weld Depth(in)</b>	5.00	<b>Plate Depth(in)</b>	7.00	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	5.00	<b>Plate Width(in)</b>	5.38	<b>Screws1</b>	6
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	6
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	90.00	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fy(ksi)</b>	50,000.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mv (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WX2	27	34		1 3.02	0.35	1.06	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WX1	32	35		1 -0.87	0.05	-0.02	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.3)S	19	34		1 2.63	0.44	1.32	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	35		1 -0.44	0.00	-1.16	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.6)WX1	26	34		1 1.56	0.35	1.90	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.5)WX1	20	35		1 -0.44	0.00	-1.16	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	34		1 0.64	0.09	0.26	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	35		1 0.36	0.05	0.15	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	34		1 0.64	0.09	0.26	0.00	0.00	0.00
Min My	MC ASCE(2.4.1.8)EY	37	35		1 0.36	0.05	0.15	0.00	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	34		1 0.64	0.09	0.26	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.8)EY	37	35		1 0.36	0.05	0.15	0.00	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Yh (K)</b>	<b>Yv (K)</b>	<b>Block</b>	<b>Block</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Che</b>
					<b>Shear</b>	<b>Shear</b>	<b>Shear</b>	<b>Shear</b>	<b>Ten</b>	<b>Ten</b>	<b>Pullout</b>	<b>Pullout</b>	<b>Shear</b>	<b>Shear</b>	
					<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	3.02	0.35	1.06	13.17	1.06	52.50	1.12	0.00	0.00	4.86	0.00	8.00	1.12	True
Min Fx	MC ASCE(2.4.1	-0.87	0.05	-0.02	13.17	0.87	52.50	0.87	0.00	0.00	4.86	0.02	8.00	0.87	True
Max Fy	MC ASCE(2.4.1	2.63	0.44	1.32	13.17	1.32	52.50	1.39	0.00	0.00	4.86	0.00	8.00	1.39	True
Min Fy	MC ASCE(2.4.1	-0.44	0.00	-1.16	13.17	0.44	52.50	1.24	0.00	0.00	4.86	1.16	8.00	0.44	True
Max Fz	MC ASCE(2.4.1	1.56	0.35	1.90	13.17	1.90	52.50	1.93	0.00	0.00	4.86	0.00	8.00	1.93	True
Min Fz	MC ASCE(2.4.1	-0.44	0.00	-1.16	13.17	0.44	52.50	1.24	0.00	0.00	4.86	1.16	8.00	0.44	True
Max Mx	MC ASCE(2.4.1	0.64	0.09	0.26	13.17	0.26	52.50	0.28	0.00	0.00	4.86	0.00	8.00	0.28	True
Min Mx	MC ASCE(2.4.1	0.36	0.05	0.15	13.17	0.15	52.50	0.16	0.00	0.00	4.86	0.00	8.00	0.16	True
Max My	MC ASCE(2.4.1	0.64	0.09	0.26	13.17	0.26	52.50	0.28	0.00	0.00	4.86	0.00	8.00	0.28	True
Min My	MC ASCE(2.4.1	0.36	0.05	0.15	13.17	0.15	52.50	0.16	0.00	0.00	4.86	0.00	8.00	0.16	True
Max Mz	MC ASCE(2.4.1	0.64	0.09	0.26	13.17	0.26	52.50	0.28	0.00	0.00	4.86	0.00	8.00	0.28	True
Min Mz	MC ASCE(2.4.1	0.36	0.05	0.15	13.17	0.15	52.50	0.16	0.00	0.00	4.86	0.00	8.00	0.16	True

CONNECTION DESIGN

**PU4 J end - Purlin Connection**

<b>PURLIN CONNECTION</b>	<b>Weld Depth(in)</b>	5.00	<b>Plate Depth(in)</b>	7.00	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	5.00	<b>Plate Width(in)</b>	5.38	<b>Screws1</b>	6
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	6
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	90.00	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fy(ksi)</b>	50.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mv (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WX2	27	34		5	3.02	-0.35	-1.06	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WX1	32	35		5	-0.87	-0.05	0.02	0.00	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	34		5	0.43	0.00	-1.13	0.00	0.00
Min Fy	MC ASCE(2.4.1.3)S	19	35		5	2.63	-0.44	-1.32	0.00	0.00
Max Fz	MC ASCE(2.4.1.5)WX1	20	35		5	-0.44	0.00	1.16	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WX1	26	34		5	1.56	-0.35	-1.90	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	34		5	0.64	-0.09	-0.26	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	35		5	0.41	-0.05	-0.15	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	34		5	0.64	-0.09	-0.26	0.00	0.00
Min My	MC ASCE(2.4.1.8)EY	37	35		5	0.41	-0.05	-0.15	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	34		5	0.64	-0.09	-0.26	0.00	0.00
Min Mz	MC ASCE(2.4.1.8)EY	37	35		5	0.41	-0.05	-0.15	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Yh (K)</b>	<b>Yv (K)</b>	<b>Block</b>	<b>Block</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Che</b>
					<b>Shear</b>	<b>Shear</b>	<b>Shear</b>	<b>Shear</b>	<b>Ten</b>	<b>Ten</b>	<b>Pullout</b>	<b>Pullout</b>	<b>Shear</b>	<b>Shear</b>	
					<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	3.02	0.35	1.06	13.17	1.06	52.50	1.12	0.00	0.00	4.86	0.00	8.00	1.12	True
Min Fx	MC ASCE(2.4.1	-0.87	0.05	-0.02	13.17	0.87	52.50	0.87	0.00	0.00	4.86	0.02	8.00	0.87	True
Max Fy	MC ASCE(2.4.1	0.43	0.00	1.13	13.17	1.13	52.50	1.13	0.00	0.00	4.86	0.00	8.00	1.13	True
Min Fy	MC ASCE(2.4.1	2.63	0.44	1.32	13.17	1.32	52.50	1.39	0.00	0.00	4.86	0.00	8.00	1.39	True
Max Fz	MC ASCE(2.4.1	-0.44	0.00	-1.16	13.17	0.44	52.50	1.24	0.00	0.00	4.86	1.16	8.00	0.44	True
Min Fz	MC ASCE(2.4.1	1.56	0.35	1.90	13.17	1.90	52.50	1.93	0.00	0.00	4.86	0.00	8.00	1.93	True
Max Mx	MC ASCE(2.4.1	0.64	0.09	0.26	13.17	0.26	52.50	0.28	0.00	0.00	4.86	0.00	8.00	0.28	True
Min Mx	MC ASCE(2.4.1	0.41	0.05	0.15	13.17	0.15	52.50	0.16	0.00	0.00	4.86	0.00	8.00	0.16	True
Max My	MC ASCE(2.4.1	0.64	0.09	0.26	13.17	0.26	52.50	0.28	0.00	0.00	4.86	0.00	8.00	0.28	True
Min My	MC ASCE(2.4.1	0.41	0.05	0.15	13.17	0.15	52.50	0.16	0.00	0.00	4.86	0.00	8.00	0.16	True
Max Mz	MC ASCE(2.4.1	0.64	0.09	0.26	13.17	0.26	52.50	0.28	0.00	0.00	4.86	0.00	8.00	0.28	True
Min Mz	MC ASCE(2.4.1	0.41	0.05	0.15	13.17	0.15	52.50	0.16	0.00	0.00	4.86	0.00	8.00	0.16	True

MEMBER DESIGN

**RB1 Ridge Beam**

Title: RB1  
 Count: 1  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 18.66  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS5X5X0.125  
 Depth (in) 5.00  
 Width (in) 5.00  
 Nominal Thickness (in) 0.13  
 Design Thickness (in) 0.12  
 Area (in<sup>2</sup>) 2.23  
 MOI Strong (in<sup>4</sup>) 8.80  
 MOI weak (in<sup>4</sup>) 8.80  
 Section Mod. Strong (in<sup>3</sup>) 3.52  
 Section Mod. Weak (in<sup>3</sup>) 3.52  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.6)WY2	29	26		1 7.61	0.00	1.17	-35.86	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	26		5 -1.72	0.00	0.44	14.71	0.00	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	26		1 -0.05	0.25	-0.01	0.25	8.07	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	26		5 -0.05	-0.25	0.01	0.25	8.07	0.00
Max Fz	MC ASCE(2.4.1.6)WY2	29	26		1 7.61	0.00	1.17	-35.86	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WY2	29	26		5 7.61	0.00	-1.15	-33.52	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	26		1 1.69	0.00	0.19	-5.46	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	26		5 1.03	0.00	-0.11	-3.28	0.00	0.00
Max My	MC ASCE(2.4.1.6)WY2	29	26		3 7.61	0.00	0.01	30.52	0.00	0.00
Min My	MC ASCE(2.4.1.6)WY2	29	26		1 7.61	0.00	1.17	-35.86	0.00	0.00
Max Mz	MC ASCE(2.4.1.5)WX1	20	26		1 -0.05	0.25	-0.01	0.25	8.07	0.00
Min Mz	MC ASCE(2.4.1.5)WX1	20	26		3 -0.05	0.00	0.00	-0.22	-5.88	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	StransB (in <sup>3</sup> )	StransT (in <sup>4</sup> )	Oa	Fa (ksi)
Max Fx	29	y	7.61	35.86	0.00	2.23	8.80	3.52	3.52	1.00	8.19
Min Fx	34	y	-1.72	14.71	0.00	2.23	8.80	3.52	3.52	1.00	8.19
Max Fy	20	z	-0.05	8.07	0.25	2.18	7.93	3.25	3.10	0.98	25.35
Max Fy	20	y	-0.05	0.25	8.07	2.18	7.93	3.25	3.10	0.98	8.19
Min Fy	20	z	-0.05	8.07	0.25	2.18	7.93	3.25	3.10	0.98	25.35
Min Fy	20	y	-0.05	0.25	8.07	2.18	7.93	3.25	3.10	0.98	8.19
Max Fz	29	y	7.61	35.86	0.00	2.23	8.80	3.52	3.52	1.00	8.19
Min Fz	29	y	7.61	33.52	0.00	2.23	8.80	3.52	3.52	1.00	8.19
Max Mx	18	y	1.69	5.46	0.00	2.18	7.93	3.25	3.10	0.98	8.19
Min Mx	37	y	1.03	3.28	0.00	2.18	7.93	3.25	3.10	0.98	8.19
Max My	29	y	7.61	30.52	0.00	2.23	8.80	3.52	3.52	1.00	8.19
Min My	29	y	7.61	35.86	0.00	2.23	8.80	3.52	3.52	1.00	8.19
Max Mz	20	z	-0.05	8.07	0.25	2.18	7.93	3.25	3.10	0.98	25.35
Max Mz	20	y	-0.05	0.25	8.07	2.18	7.93	3.25	3.10	0.98	8.19
Min Mz	20	z	-0.05	5.88	0.22	2.18	7.93	3.25	3.10	0.98	25.35
Min Mz	20	y	-0.05	0.22	5.88	2.18	7.93	3.25	3.10	0.98	8.19

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fbv</u>	<u>Fbv</u>	<u>fbz</u>	<u>Fbz</u>	<u>F'ey</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.6)WY2	3.41	8.19	10.19	27.60	0.00	27.60	8.19	316.88	0.95	0.00	True
Min Fx	MC ASCE(2.4.1.7)WY1	0.77	8.19	4.18	27.60	0.00	27.60	8.19	316.88	0.25	0.00	True
Max Fy	MC ASCE(2.4.1.5)WX1	0.02	8.19	0.08	27.60	2.61	27.60	8.19	316.88	0.10	0.00	True
Min Fy	MC ASCE(2.4.1.5)WX1	0.02	8.19	0.08	27.60	2.61	27.60	8.19	316.88	0.10	0.00	True
Max Fz	MC ASCE(2.4.1.6)WY2	3.41	8.19	10.19	27.60	0.00	27.60	8.19	316.88	0.95	0.00	True
Min Fz	MC ASCE(2.4.1.6)WY2	3.41	8.19	9.52	27.60	0.00	27.60	8.19	316.88	0.92	0.00	True
Max Mx	MC ASCE(2.4.1.1)D	0.76	8.19	1.76	27.60	0.00	27.60	8.19	316.88	0.16	0.00	True
Min Mx	MC ASCE(2.4.1.8)EY	0.46	8.19	1.06	27.60	0.00	27.60	8.19	316.88	0.09	0.00	True
Max My	MC ASCE(2.4.1.6)WY2	3.41	8.19	8.67	27.60	0.00	27.60	8.19	316.88	0.87	0.00	True
Min My	MC ASCE(2.4.1.6)WY2	3.41	8.19	10.19	27.60	0.00	27.60	8.19	316.88	0.95	0.00	True
Max Mz	MC ASCE(2.4.1.5)WX1	0.02	8.19	0.08	27.60	2.61	27.60	8.19	316.88	0.10	0.00	True
Min Mz	MC ASCE(2.4.1.5)WX1	0.02	8.19	0.07	27.60	1.90	27.60	8.19	316.88	0.07	0.00	True

CONNECTION DESIGN

**RB1 I end - End Plate Connection**

<b>END PLATE</b>	<b>Depth of Cut (in)</b>	5.00	<b>Length (in)</b>	5.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	5.00	<b>Width (in)</b>	5.00	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>My (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WY2	29	26		1 7.61	0.00	1.17	-35.86	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	26		1 -1.72	0.00	-0.40	10.61	0.00	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	26		1 -0.05	0.25	-0.01	0.25	8.07	0.00
Min Fy	MC ASCE(2.4.1.8)EY	37	26		1 0.99	0.00	0.11	-3.27	0.00	0.00
Max Fz	MC ASCE(2.4.1.6)WY2	29	26		1 7.61	0.00	1.17	-35.86	0.00	0.00
Min Fz	MC ASCE(2.4.1.7)WY1	34	26		1 -1.72	0.00	-0.40	10.61	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	26		1 1.69	0.00	0.19	-5.46	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	26		1 0.99	0.00	0.11	-3.27	0.00	0.00
Max My	MC ASCE(2.4.1.7)WY1	34	26		1 -1.72	0.00	-0.40	10.61	0.00	0.00
Min My	MC ASCE(2.4.1.6)WY2	29	26		1 7.61	0.00	1.17	-35.86	0.00	0.00
Max Mz	MC ASCE(2.4.1.5)WX1	20	26		1 -0.05	0.25	-0.01	0.25	8.07	0.00
Min Mz	MC ASCE(2.4.1.8)EY	37	26		1 0.99	0.00	0.11	-3.27	0.00	0.00

**End Plate Connection Results**

<b>Label</b>	<b>C. Num</b>	<b>Fh</b>	<b>Fv</b>	<b>My</b>	<b>Tu(Ksi)</b>		<b>Vu(Ksi)</b>		<b>Tn(Ksi)</b>		<b>Vn(Ksi)</b>		<b>Req. Size(in)</b>	<b>Mu(K-in)</b>	<b>Reqd. T(in)</b>	<b>Act. T(in)</b>	<b>Che</b>
					<b>Bolt Weld</b>												
Max Fx	29	7.61	1.17	35.86	22.34	1.91	43.82	21.00	0.45	0.26	0.20	0.38	0.45	0.26	0.20	0.38	True
					5.58	0.47	21.00	21.00	0.03		0.00	0.00	0.03		0.00	0.00	True
Min Fx	34	-1.72	0.40	10.61	9.85	0.65	43.98	21.00	0.30	0.12	0.14	0.38	0.30	0.12	0.14	0.38	True
					3.24	0.16	21.00	21.00	0.02		0.00	0.00	0.02		0.00	0.00	True
Max Fy	20	-0.05	0.25	0.25	5.17	0.41	43.99	21.00	0.21	0.06	0.10	0.38	0.21	0.06	0.10	0.38	True
					2.02	0.10	21.00	21.00	0.01		0.00	0.00	0.01		0.00	0.00	True
Min Fy	37	0.99	0.11	-3.27	1.80	0.18	44.00	21.00	0.13	0.02	0.06	0.38	0.13	0.02	0.06	0.38	True
					0.39	0.04	21.00	21.00	0.00		0.00	0.00	0.00		0.00	0.00	True
Max Fz	29	7.61	1.17	35.86	22.34	1.91	43.82	21.00	0.45	0.26	0.20	0.38	0.45	0.26	0.20	0.38	True
					5.58	0.47	21.00	21.00	0.03		0.00	0.00	0.03		0.00	0.00	True
Min Fz	34	-1.72	0.40	10.61	9.85	0.65	43.98	21.00	0.30	0.12	0.14	0.38	0.30	0.12	0.14	0.38	True
					3.24	0.16	21.00	21.00	0.02		0.00	0.00	0.02		0.00	0.00	True
Max Mx	18	1.69	0.19	-5.46	2.97	0.31	44.00	21.00	0.16	0.03	0.07	0.38	0.16	0.03	0.07	0.38	True
					0.64	0.08	21.00	21.00	0.00		0.00	0.00	0.00		0.00	0.00	True
Min Mx	37	0.99	0.11	-3.27	1.80	0.18	44.00	21.00	0.13	0.02	0.06	0.38	0.13	0.02	0.06	0.38	True
					0.39	0.04	21.00	21.00	0.00		0.00	0.00	0.00		0.00	0.00	True
Max My	34	-1.72	0.40	10.61	9.85	0.65	43.98	21.00	0.30	0.12	0.14	0.38	0.30	0.12	0.14	0.38	True
					3.24	0.16	21.00	21.00	0.02		0.00	0.00	0.02		0.00	0.00	True
Min My	29	7.61	1.17	35.86	22.34	1.91	43.82	21.00	0.45	0.26	0.20	0.38	0.45	0.26	0.20	0.38	True
					5.58	0.47	21.00	21.00	0.03		0.00	0.00	0.03		0.00	0.00	True
Max Mz	20	-0.05	0.25	0.25	5.17	0.41	43.99	21.00	0.21	0.06	0.10	0.38	0.21	0.06	0.10	0.38	True
					2.02	0.10	21.00	21.00	0.01		0.00	0.00	0.01		0.00	0.00	True
Min Mz	37	0.99	0.11	-3.27	1.80	0.18	44.00	21.00	0.13	0.02	0.06	0.38	0.13	0.02	0.06	0.38	True
					0.39	0.04	21.00	21.00	0.00		0.00	0.00	0.00		0.00	0.00	True

CONNECTION DESIGN

**RB1 J end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	5.00	<b>Length (in)</b>	5.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	5.00	<b>Width (in)</b>	5.00	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>My (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WY2	29	26		5.761	0.00	-1.15	-33.52	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	26		-1.72	0.00	0.44	14.71	0.00	0.00
Max Fy	MC ASCE(2.4.1.1)D	18	26		1.69	0.00	-0.19	-5.46	0.00	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	26		-0.05	-0.25	0.01	0.25	8.07	0.00
Max Fz	MC ASCE(2.4.1.7)WY1	34	26		-1.72	0.00	0.44	14.71	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WY2	29	26		7.61	0.00	-1.15	-33.52	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	26		1.69	0.00	-0.19	-5.46	0.00	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	26		1.03	0.00	-0.11	-3.28	0.00	0.00
Max My	MC ASCE(2.4.1.7)WY1	34	26		-1.72	0.00	0.44	14.71	0.00	0.00
Min My	MC ASCE(2.4.1.6)WY2	29	26		7.61	0.00	-1.15	-33.52	0.00	0.00
Max Mz	MC ASCE(2.4.1.5)WX1	20	26		-0.05	-0.25	0.01	0.25	8.07	0.00
Min Mz	MC ASCE(2.4.1.8)EY	37	26		1.03	0.00	-0.11	-3.28	0.00	0.00

End Plate Connection Results

<b>Label</b>	<b>C. Num</b>	<b>Fh</b>	<b>Fv</b>	<b>My</b>	<b>Tu(Ksi)</b>		<b>Vu(Ksi)</b>		<b>Tn(Ksi)</b>		<b>Vn(Ksi)</b>		<b>Req. Size(in)</b>	<b>Mu(K-in)</b>	<b>Req. T(in)</b>	<b>Act. T(in)</b>	<b>Che</b>
					<b>Bolt Weld</b>	<b>Plate</b>	<b>Plate</b>										
Max Fx	29	7.61	1.15	33.52	20.48	1.87	43.82	21.00	0.43	0.24	0.20	0.38	0.43	0.24	0.20	0.38	True
					5.02	0.46	21.00	21.00	0.03		0.00	0.00	0.03		0.00	0.00	True
Min Fx	34	-1.72	0.44	14.71	13.11	0.72	43.97	21.00	0.34	0.15	0.16	0.38	0.34	0.15	0.16	0.38	True
					4.22	0.18	21.00	21.00	0.03		0.00	0.00	0.03		0.00	0.00	True
Max Fy	18	1.69	0.19	-5.46	2.97	0.31	44.00	21.00	0.16	0.03	0.07	0.38	0.16	0.03	0.07	0.38	True
					0.64	0.08	21.00	21.00	0.00		0.00	0.00	0.00		0.00	0.00	True
Min Fy	20	-0.05	0.25	0.25	5.17	0.41	43.99	21.00	0.21	0.06	0.10	0.38	0.21	0.06	0.10	0.38	True
					2.02	0.10	21.00	21.00	0.01		0.00	0.00	0.01		0.00	0.00	True
Max Fz	34	-1.72	0.44	14.71	13.11	0.72	43.97	21.00	0.34	0.15	0.16	0.38	0.34	0.15	0.16	0.38	True
					4.22	0.18	21.00	21.00	0.03		0.00	0.00	0.03		0.00	0.00	True
Min Fz	29	7.61	1.15	33.52	20.48	1.87	43.82	21.00	0.43	0.24	0.20	0.38	0.43	0.24	0.20	0.38	True
					5.02	0.46	21.00	21.00	0.03		0.00	0.00	0.03		0.00	0.00	True
Max Mx	18	1.69	0.19	-5.46	2.97	0.31	44.00	21.00	0.16	0.03	0.07	0.38	0.16	0.03	0.07	0.38	True
					0.64	0.08	21.00	21.00	0.00		0.00	0.00	0.00		0.00	0.00	True
Min Mx	37	1.03	0.11	-3.28	1.77	0.18	44.00	21.00	0.13	0.02	0.06	0.38	0.13	0.02	0.06	0.38	True
					0.38	0.04	21.00	21.00	0.00		0.00	0.00	0.00		0.00	0.00	True
Max My	34	-1.72	0.44	14.71	13.11	0.72	43.97	21.00	0.34	0.15	0.16	0.38	0.34	0.15	0.16	0.38	True
					4.22	0.18	21.00	21.00	0.03		0.00	0.00	0.03		0.00	0.00	True
Min My	29	7.61	1.15	33.52	20.48	1.87	43.82	21.00	0.43	0.24	0.20	0.38	0.43	0.24	0.20	0.38	True
					5.02	0.46	21.00	21.00	0.03		0.00	0.00	0.03		0.00	0.00	True
Max Mz	20	-0.05	0.25	0.25	5.17	0.41	43.99	21.00	0.21	0.06	0.10	0.38	0.21	0.06	0.10	0.38	True
					2.02	0.10	21.00	21.00	0.01		0.00	0.00	0.01		0.00	0.00	True
Min Mz	37	1.03	0.11	-3.28	1.77	0.18	44.00	21.00	0.13	0.02	0.06	0.38	0.13	0.02	0.06	0.38	True
					0.38	0.04	21.00	21.00	0.00		0.00	0.00	0.00		0.00	0.00	True

MEMBER DESIGN

<b>RBS1 Ridge Beam</b>		<b>Section Properties</b>	
Title:	RBS1	Name	HSS5X5X0.125
Count:	2	Depth (in)	5.00
Horizontal Angle Start end:	0.00	Width (in)	5.00
Horizontal Angle Finish end:	0.00	Nominal Thickness (in)	0.13
Vertical Angle Start end:	0.00	Design Thickness (in)	0.12
Vertical Angle Finish end:	0.00	Area (in <sup>2</sup> )	2.23
Ky	1.20	MOI Strong (in <sup>4</sup> )	8.80
Kz	1.20	MOI weak (in <sup>4</sup> )	8.80
Lx(ft)	8.17	Section Mod. Strong (in <sup>3</sup> )	3.52
Ly(ft)	3.00	Section Mod. Weak (in <sup>3</sup> )	3.52
Lz(ft)	3.00	Fy (ksi)	46

<b>Design Envelope</b>										
<u>Label</u>	<u>C. Name</u>	<u>C. Num</u>	<u>Rbt. Bar Num.</u>	<u>Location</u>	<u>Fx (K)</u>	<u>Fy (K)</u>	<u>Fz (K)</u>	<u>My (K-in)</u>	<u>Mz (K-in)</u>	<u>Allow. Increase</u>
Max Fx	MC\ASCE(2.4.1.6)WY2	29	27		1 6.32	0.00	-0.06	13.69	0.00	0.00
Min Fx	MC\ASCE(2.4.1.7)WY1	34	25		5 -1.41	0.00	0.51	20.36	0.00	0.00
Max Fy	MC\ASCE(2.4.1.5)WX1	20	25		5 -0.04	0.63	0.01	0.23	-27.36	0.00
Min Fy	MC\ASCE(2.4.1.5)WX1	20	27		5 -0.04	-0.63	0.01	0.23	27.36	0.00
Max Fz	MC\ASCE(2.4.1.7)WY1	34	25		5 -1.41	0.00	0.51	20.36	0.00	0.00
Min Fz	MC\ASCE(2.4.1.6)WY2	29	27		5 6.32	0.00	-1.08	-41.85	0.00	0.00
Max Mx	MC\ASCE(2.4.1.5)WX1	20	25		1 -0.04	0.41	0.00	-0.03	23.64	0.00
Min Mx	MC\ASCE(2.4.1.5)WX1	20	27		5 -0.04	-0.63	0.01	0.23	27.36	0.00
Max My	MC\ASCE(2.4.1.7)WY1	34	25		5 -1.41	0.00	0.51	20.36	0.00	0.00
Min My	MC\ASCE(2.4.1.6)WY2	29	27		5 6.32	0.00	-1.08	-41.85	0.00	0.00
Max Mz	MC\ASCE(2.4.1.5)WX1	20	27		5 -0.04	-0.63	0.01	0.23	27.36	0.00
Min Mz	MC\ASCE(2.4.1.5)WX1	20	25		5 -0.04	0.63	0.01	0.23	-27.36	0.00

Compactness: Slender

<b>Slender Section Properties</b>											
<u>Label</u>	<u>C. Num</u>	<u>Axis</u>	<u>P (K)</u>	<u>Mprime (K-in)</u>	<u>M orth (K-in)</u>	<u>Atrans (in<sup>2</sup>)</u>	<u>Itrans (in<sup>4</sup>)</u>	<u>StransB (in<sup>3</sup>)</u>	<u>StransT (in<sup>4</sup>)</u>	<u>Oa</u>	<u>Ea (ksi)</u>
Max Fx	29	y	6.32	13.69	0.00	2.23	8.80	3.52	3.52	1.00	21.41
Min Fx	34	y	-1.41	20.36	0.00	2.23	8.80	3.52	3.52	1.00	21.41
Max Fy	20	z	-0.04	27.36	0.23	2.23	8.80	3.52	3.52	1.00	25.96
Min Fy	20	y	-0.04	0.23	27.36	2.23	8.80	3.52	3.52	1.00	21.41
Max Fz	34	y	-1.41	20.36	0.00	2.23	8.80	3.52	3.52	1.00	21.41
Min Fz	29	y	6.32	41.85	0.00	2.23	8.80	3.52	3.52	1.00	21.41
Max Mx	20	z	-0.04	23.64	0.03	2.23	8.80	3.52	3.52	1.00	25.96
Min Mx	20	y	-0.04	0.03	23.64	2.23	8.80	3.52	3.52	1.00	21.41
Max My	34	y	-1.41	20.36	0.00	2.23	8.80	3.52	3.52	1.00	21.41
Min My	29	y	6.32	41.85	0.00	2.23	8.80	3.52	3.52	1.00	21.41
Max Mz	20	z	-0.04	27.36	0.23	2.23	8.80	3.52	3.52	1.00	25.96
Min Mz	20	y	-0.04	0.23	27.36	2.23	8.80	3.52	3.52	1.00	21.41
Max Mz	20	z	-0.04	27.36	0.23	2.23	8.80	3.52	3.52	1.00	25.96
Min Mz	20	y	-0.04	0.23	27.36	2.23	8.80	3.52	3.52	1.00	21.41

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fbv</u>	<u>Fbv</u>	<u>fbz</u>	<u>Fbz</u>	<u>F'ev</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.6)WY2	2.83	21.41	3.89	27.60	0.00	27.60	42.73	316.88	0.27	0.00	True
Min Fx	MC ASCE(2.4.1.7)WY1	0.63	21.41	5.78	27.60	0.00	27.60	42.73	316.88	0.24	0.00	True
Max Fy	MC ASCE(2.4.1.5)WX1	0.02	21.41	0.07	27.60	7.77	27.60	42.73	316.88	0.28	0.00	True
Min Fy	MC ASCE(2.4.1.5)WX1	0.02	21.41	0.07	27.60	7.77	27.60	42.73	316.88	0.28	0.00	True
Max Fz	MC ASCE(2.4.1.7)WY1	0.63	21.41	5.78	27.60	0.00	27.60	42.73	316.88	0.24	0.00	True
Min Fz	MC ASCE(2.4.1.6)WY2	2.83	21.41	11.89	27.60	0.00	27.60	42.73	316.88	0.56	0.00	True
Max Mx	MC ASCE(2.4.1.5)WX1	0.02	21.41	0.01	27.60	6.72	27.60	42.73	316.88	0.24	0.00	True
Min Mx	MC ASCE(2.4.1.5)WX1	0.02	21.41	0.07	27.60	7.77	27.60	42.73	316.88	0.28	0.00	True
Max My	MC ASCE(2.4.1.7)WY1	0.63	21.41	5.78	27.60	0.00	27.60	42.73	316.88	0.24	0.00	True
Min My	MC ASCE(2.4.1.6)WY2	2.83	21.41	11.89	27.60	0.00	27.60	42.73	316.88	0.56	0.00	True
Max Mz	MC ASCE(2.4.1.5)WX1	0.02	21.41	0.07	27.60	7.77	27.60	42.73	316.88	0.28	0.00	True
Min Mz	MC ASCE(2.4.1.5)WX1	0.02	21.41	0.07	27.60	7.77	27.60	42.73	316.88	0.28	0.00	True

CONNECTION DESIGN

**RBS1 I end - End Plate Connection**

<b>END PLATE</b>	<b>Depth of Cut (in)</b>	5.00	<b>Length (in)</b>	5.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	5.00	<b>Width (in)</b>	5.00	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>My (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WY2	29	27		1 6.32	0.00	-0.06	13.69	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	25		1 -1.41	0.00	0.14	-11.75	0.00	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	25		1 -0.04	0.41	0.00	-0.03	23.64	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	27		1 -0.04	-0.41	0.00	-0.03	-23.64	0.00
Max Fz	MC ASCE(2.4.1.5)WY2	23	25		1 3.55	0.00	0.21	-2.83	0.00	0.00
Min Fz	MC ASCE(2.4.1.7)WY1	34	27		1 -1.22	0.00	-0.27	8.19	0.00	0.00
Max Mx	MC ASCE(2.4.1.5)WX1	20	25		1 -0.04	0.41	0.00	-0.03	23.64	0.00
Min Mx	MC ASCE(2.4.1.5)WX1	20	27		1 -0.04	-0.41	0.00	-0.03	-23.64	0.00
Max My	MC ASCE(2.4.1.6)WY2	29	27		1 6.32	0.00	-0.06	13.69	0.00	0.00
Min My	MC ASCE(2.4.1.7)WY1	34	25		1 -1.41	0.00	0.14	-11.75	0.00	0.00
Max Mz	MC ASCE(2.4.1.5)WX1	20	25		1 -0.04	0.41	0.00	-0.03	23.64	0.00
Min Mz	MC ASCE(2.4.1.5)WX1	20	27		1 -0.04	-0.41	0.00	-0.03	-23.64	0.00

End Plate Connection Results

<b>Label</b>	<b>C. Num</b>	<b>Fh</b>	<b>Fv</b>	<b>My</b>	<b>Tu(Ksi)</b>		<b>Vu(Ksi)</b>		<b>Tn(Ksi)</b>		<b>Vn(Ksi)</b>		<b>Req. Size(in)</b>	<b>Mu(K-in)</b>	<b>Reqd. T(in)</b>	<b>Act. T(in)</b>	<b>Che</b>		
					<b>Bolt Weld</b>														
Max Fx	29	6.32	0.06	13.69	5.75	0.10	44.00	21.00	0.23	0.07	0.10	0.38	0.76	0.02	21.00	21.00	0.00	0.00	True
Min Fx	34	-1.41	0.14	-11.75	10.50	0.23	44.00	21.00	0.31	0.12	0.14	0.38	3.38	0.06	21.00	21.00	0.02	0.00	True
Max Fy	20	-0.04	0.41	-0.03	14.50	0.67	43.98	21.00	0.36	0.17	0.16	0.38	5.70	0.16	21.00	21.00	0.03	0.00	True
Min Fy	20	-0.04	0.41	-0.03	14.50	0.67	43.98	21.00	0.36	0.17	0.16	0.38	5.70	0.16	21.00	21.00	0.03	0.00	True
Max Fz	23	3.55	0.21	-2.83	-0.64	0.34	43.99	21.00	0.08	-0.01	0.00	0.38	0.75	0.08	21.00	21.00	0.00	0.00	True
Min Fz	34	-1.22	0.27	8.19	7.51	0.44	43.99	21.00	0.26	0.09	0.12	0.38	2.46	0.11	21.00	21.00	0.01	0.00	True
Max Mx	20	-0.04	0.41	-0.03	14.50	0.67	43.98	21.00	0.36	0.17	0.16	0.38	5.70	0.16	21.00	21.00	0.03	0.00	True
Min Mx	20	-0.04	0.41	-0.03	14.50	0.67	43.98	21.00	0.36	0.17	0.16	0.38	5.70	0.16	21.00	21.00	0.03	0.00	True
Max My	29	6.32	0.06	13.69	5.75	0.10	44.00	21.00	0.23	0.07	0.10	0.38	0.76	0.02	21.00	21.00	0.00	0.00	True
Min My	34	-1.41	0.14	-11.75	10.50	0.23	44.00	21.00	0.31	0.12	0.14	0.38	3.38	0.06	21.00	21.00	0.02	0.00	True
Max Mz	20	-0.04	0.41	-0.03	14.50	0.67	43.98	21.00	0.36	0.17	0.16	0.38	5.70	0.16	21.00	21.00	0.03	0.00	True
Min Mz	20	-0.04	0.41	-0.03	14.50	0.67	43.98	21.00	0.36	0.17	0.16	0.38	5.70	0.16	21.00	21.00	0.03	0.00	True

CONNECTION DESIGN

**RBS1 J end - Welded Connection**

WELD	<u>Depth(in)</u>	5.00	<u>Throat Size(in)</u>	0.13
	<u>Width (in)</u>	5.00	<u>Type</u>	Square

Design Envelope

<u>Label</u>	<u>C. Name</u>	<u>C. Num</u>	<u>Rbt. Bar Num.</u>	<u>Location</u>	<u>Fx (K)</u>	<u>Fy (K)</u>	<u>Fz (K)</u>	<u>Mv (K-in)</u>	<u>Mz (K-in)</u>	<u>Allow. Increase</u>
Max Fx	MC ASCE(2.4.1.6)WY2	29	27		5.632	0.00	-1.08	-41.85	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	25		-5.141	0.00	0.51	20.36	0.00	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	25		-5.004	0.63	0.01	0.23	-27.36	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	27		-5.004	-0.63	0.01	0.23	27.36	0.00
Max Fz	MC ASCE(2.4.1.7)WY1	34	25		-5.141	0.00	0.51	20.36	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WY2	29	27		5.632	0.00	-1.08	-41.85	0.00	0.00
Max Mx	MC ASCE(2.4.1.5)WX1	20	25		-5.004	0.63	0.01	0.23	-27.36	0.00
Min Mx	MC ASCE(2.4.1.5)WX1	20	27		-5.004	-0.63	0.01	0.23	27.36	0.00
Max My	MC ASCE(2.4.1.7)WY1	34	25		-5.141	0.00	0.51	20.36	0.00	0.00
Min My	MC ASCE(2.4.1.6)WY2	29	27		5.632	0.00	-1.08	-41.85	0.00	0.00
Max Mz	MC ASCE(2.4.1.5)WX1	20	27		-5.004	-0.63	0.01	0.23	27.36	0.00
Min Mz	MC ASCE(2.4.1.5)WX1	20	25		-5.004	0.63	0.01	0.23	-27.36	0.00

WELDED CONNECTION RESULTS

<u>Label</u>	<u>C. Num</u>	<u>Vn (K/in)</u>	<u>Vu (K/in)</u>	<u>Tn (K/in)</u>	<u>Tu (K/in)</u>	<u>Required Throat (in)</u>	<u>Check</u>
Max Fx	29	2.63	0.05	2.63	0.81	0.0385	True
Min Fx	34	2.63	0.03	2.63	0.51	0.0243	True
Max Fy	20	2.63	0.03	2.63	0.82	0.0393	True
Min Fy	20	2.63	0.03	2.63	0.82	0.0393	True
Max Fz	34	2.63	0.03	2.63	0.51	0.0243	True
Min Fz	29	2.63	0.05	2.63	0.81	0.0385	True
Max Mx	20	2.63	0.03	2.63	0.82	0.0393	True
Min Mx	20	2.63	0.03	2.63	0.82	0.0393	True
Max My	34	2.63	0.03	2.63	0.51	0.0243	True
Min My	29	2.63	0.05	2.63	0.81	0.0385	True
Max Mz	20	2.63	0.03	2.63	0.82	0.0393	True
Min Mz	20	2.63	0.03	2.63	0.82	0.0393	True

MEMBER DESIGN

**RF1 Rafter**

Title: RF1  
 Count: 4  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 13.26  
 Vertical Angle Finish end: 13.26  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 15.26  
 Ly(ft) 15.26  
 Lz(ft) 15.26

**Section Properties**

Name HSS6X6X0.187  
 Depth (in) 6.00  
 Width (in) 6.00  
 Nominal Thickness (in) 0.19  
 Design Thickness (in) 0.17  
 Area (in<sup>2</sup>) 3.98  
 MOI Strong (in<sup>4</sup>) 22.30  
 MOI weak (in<sup>4</sup>) 22.30  
 Section Mod. Strong (in<sup>3</sup>) 7.42  
 Section Mod. Weak (in<sup>3</sup>) 7.42  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.3)S	19	9		1 9.13	-0.02	0.33	-4.02	-0.05	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	10		5 -0.98	0.05	-0.01	14.37	-5.03	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	11		4 -0.85	0.25	-0.47	17.05	-0.76	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	10		5 0.80	-0.25	0.47	4.70	11.98	0.00
Max Fz	MC ASCE(2.4.1.6)WY2	29	9		1 8.86	-0.08	0.47	-10.67	-3.79	0.00
Min Fz	MC ASCE(2.4.1.6)WX1	26	11		5 3.43	0.04	-0.65	-22.18	-1.24	0.00
Max Mx	MC ASCE(2.4.1.5)WX1	20	9		1 -0.78	0.02	0.31	10.24	-8.40	0.00
Min Mx	MC ASCE(2.4.1.5)WX1	20	12		5 0.80	0.25	0.47	4.70	-11.98	0.00
Max My	MC ASCE(2.4.1.5)WX1	20	9		3 -0.78	0.02	0.31	38.50	-10.53	0.00
Min My	MC ASCE(2.4.1.5)WX1	20	12		3 0.69	-0.02	-0.31	-38.71	10.49	0.00
Max Mz	MC ASCE(2.4.1.7)WX1	32	11		1 0.79	0.09	0.28	0.31	12.11	0.00
Min Mz	MC ASCE(2.4.1.7)WX1	32	9		1 0.79	-0.09	0.28	0.31	-12.11	0.00

Compactness: NonCompact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ev	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC ASCE(2.4.1.3)S	2.29	15.80	0.54	27.60	0.01	27.60	17.38	17.38	0.17	0.00	True
Min Fx	MC ASCE(2.4.1.7)WY1	0.25	27.60	1.94	27.60	0.68	27.60	17.38	17.38	0.10	0.00	True
Max Fy	MC ASCE(2.4.1.5)WX1	0.21	27.60	2.30	27.60	0.10	27.60	17.38	17.38	0.09	0.00	True
Min Fy	MC ASCE(2.4.1.5)WX1	0.20	15.80	0.63	27.60	1.61	27.60	17.38	17.38	0.09	0.00	True
Max Fz	MC ASCE(2.4.1.6)WY2	2.23	15.80	1.44	27.60	0.51	27.60	17.38	17.38	0.21	0.00	True
Min Fz	MC ASCE(2.4.1.6)WX1	0.86	15.80	2.99	27.60	0.17	27.60	17.38	17.38	0.17	0.00	True
Max Mx	MC ASCE(2.4.1.5)WX1	0.20	27.60	1.38	27.60	1.13	27.60	17.38	17.38	0.10	0.00	True
Min Mx	MC ASCE(2.4.1.5)WX1	0.20	15.80	0.63	27.60	1.61	27.60	17.38	17.38	0.09	0.00	True
Max My	MC ASCE(2.4.1.5)WX1	0.20	27.60	5.19	27.60	1.42	27.60	17.38	17.38	0.25	0.00	True
Min My	MC ASCE(2.4.1.5)WX1	0.17	15.80	5.22	27.60	1.41	27.60	17.38	17.38	0.25	0.00	True
Max Mz	MC ASCE(2.4.1.7)WX1	0.20	15.80	0.04	27.60	1.63	27.60	17.38	17.38	0.07	0.00	True
Min Mz	MC ASCE(2.4.1.7)WX1	0.20	15.80	0.04	27.60	1.63	27.60	17.38	17.38	0.07	0.00	True

CONNECTION DESIGN

**RF1 I end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.16	<b>Length (in)</b>	6.50	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	6.00	<b>Width (in)</b>	6.00	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	3.00	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	2.50	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.3)S	19	9		1 9.13	-0.02	0.33	-4.02	-0.05	0.00
Min Fx	MC ASCE(2.4.1.5)WX1	20	11		1 -0.78	-0.02	0.31	10.24	8.40	0.00
Max Fy	MC ASCE(2.4.1.5)WX2	21	9		1 2.00	0.11	0.24	5.28	3.70	0.00
Min Fy	MC ASCE(2.4.1.7)WX1	32	12		1 1.63	-0.11	-0.07	-11.26	-2.52	0.00
Max Fz	MC ASCE(2.4.1.6)WY2	29	9		1 8.86	-0.08	0.47	-10.67	-3.79	0.00
Min Fz	MC ASCE(2.4.1.5)WX1	20	12		1 0.69	-0.02	-0.31	-10.16	8.52	0.00
Max Mx	MC ASCE(2.4.1.5)WX1	20	9		1 -0.78	0.02	0.31	10.24	-8.40	0.00
Min Mx	MC ASCE(2.4.1.5)WX1	20	12		1 0.69	-0.02	-0.31	-10.16	8.52	0.00
Max My	MC ASCE(2.4.1.5)WX1	20	9		1 -0.78	0.02	0.31	10.24	-8.40	0.00
Min My	MC ASCE(2.4.1.5)WY2	23	10		1 4.17	0.10	0.38	-12.14	5.02	0.00
Max Mz	MC ASCE(2.4.1.7)WX1	32	11		1 0.79	0.09	0.28	0.31	12.11	0.00
Min Mz	MC ASCE(2.4.1.7)WX1	32	9		1 0.79	-0.09	0.28	0.31	-12.11	0.00

End Plate Connection Results

Label	C. Num	Fh	Fv	My	T <sub>u</sub> (Ksi)		T <sub>v</sub> (Ksi)		Req. Size(in)	Mu(K-in)	Req. T(in)	Act. T(in)	Che
					Bolt Weld	Bolt Weld	Bolt Weld	Bolt Weld					
Max Fx	19	8.81	2.42	-4.02	-2.21	1.97	43.81	21.00	0.19	-0.05	0.00	0.38	True
					2.38	0.79	21.00	21.00	0.00		0.00	0.00	
Min Fx	20	-0.83	0.12	10.24	6.80	0.10	44.00	21.00	0.25	0.09	0.12	0.38	True
					3.29	0.04	21.00	21.00	0.02		0.00	0.00	
Max Fy	21	1.89	0.70	5.28	2.32	0.57	43.98	21.00	0.14	0.02	0.06	0.38	True
					0.86	0.23	21.00	21.00	0.00		0.00	0.00	
Min Fy	32	1.60	0.32	-11.26	4.04	0.26	44.00	21.00	0.19	0.07	0.11	0.38	True
					1.70	0.11	21.00	21.00	0.01		0.00	0.00	
Max Fz	29	8.52	2.49	-10.67	1.48	2.03	43.79	21.00	0.19	0.00	0.02	0.38	True
					0.94	0.82	21.00	21.00	0.00		0.00	0.00	
Min Fz	20	0.74	0.14	-10.16	6.14	0.12	44.00	21.00	0.23	0.07	0.11	0.38	True
					2.78	0.05	21.00	21.00	0.02		0.00	0.00	
Max Mx	20	-0.83	0.12	10.24	6.80	0.10	44.00	21.00	0.25	0.09	0.12	0.38	True
					3.29	0.04	21.00	21.00	0.02		0.00	0.00	
Min Mx	20	0.74	0.14	-10.16	6.14	0.12	44.00	21.00	0.23	0.07	0.11	0.38	True
					2.78	0.05	21.00	21.00	0.02		0.00	0.00	
Max My	20	-0.83	0.12	10.24	6.80	0.10	44.00	21.00	0.25	0.09	0.12	0.38	True
					3.29	0.04	21.00	21.00	0.02		0.00	0.00	
Min My	23	3.97	1.33	-12.14	4.26	1.08	43.94	21.00	0.19	0.06	0.10	0.38	True
					1.53	0.44	21.00	21.00	0.01		0.00	0.00	
Max Mz	32	0.70	0.46	0.31	4.09	0.38	43.99	21.00	0.19	0.00	0.00	0.38	True
					1.80	0.15	21.00	21.00	0.01		0.00	0.00	
Min Mz	32	0.70	0.46	0.31	4.09	0.38	43.99	21.00	0.19	0.00	0.00	0.38	True
					1.80	0.15	21.00	21.00	0.01		0.00	0.00	

CONNECTION DESIGN

**RF1 J end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.16	<b>Length (in)</b>	6.50	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	6.00	<b>Width (in)</b>	6.00	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	3.00	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	2.50	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thic</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

<u>Label</u>	<u>C. Name</u>	<u>C. Num</u>	<u>Rbt. Bar Num.</u>	<u>Location</u>	<u>Fx (K)</u>	<u>Fy (K)</u>	<u>Fz (K)</u>	<u>My (K-in)</u>	<u>Mz (K-in)</u>	<u>Allow. Increase</u>	
Max Fx	MC ASCE(2.4.1.6)WY2	29	11		5	4.41	-0.08	-0.48	-26.77	5.35	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	10		5	-0.98	0.05	-0.01	14.37	-5.03	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	11		5	-0.85	0.25	-0.47	-4.40	-12.05	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	10		5	0.80	-0.25	0.47	4.70	11.98	0.00
Max Fz	MC ASCE(2.4.1.5)WX1	20	10		5	0.80	-0.25	0.47	4.70	11.98	0.00
Min Fz	MC ASCE(2.4.1.6)WX1	26	11		5	3.43	0.04	-0.65	-22.18	-1.24	0.00
Max Mx	MC ASCE(2.4.1.5)WX1	20	9		5	-0.85	-0.25	-0.47	-4.40	12.05	0.00
Min Mx	MC ASCE(2.4.1.5)WX1	20	12		5	0.80	0.25	0.47	4.70	-11.98	0.00
Max My	MC ASCE(2.4.1.7)WY1	34	9		5	-0.98	-0.05	-0.01	14.37	5.03	0.00
Min My	MC ASCE(2.4.1.6)WY2	29	12		5	4.41	0.08	-0.48	-26.77	-5.35	0.00
Max Mz	MC ASCE(2.4.1.5)WX1	20	9		5	-0.85	-0.25	-0.47	-4.40	12.05	0.00
Min Mz	MC ASCE(2.4.1.5)WX1	20	11		5	-0.85	0.25	-0.47	-4.40	-12.05	0.00

End Plate Connection Results

<u>Label</u>	<u>C. Num</u>	<u>Fh</u>	<u>Fv</u>	<u>My</u>	<u>Tu(Ksi)</u>		<u>Vu(Ksi)</u>		<u>Tn(Ksi)</u>	<u>Vn(Ksi)</u>	<u>Req. Size(in)</u>	<u>Mu(K-in)</u>	<u>Req. T(in)</u>	<u>Act. T(in)</u>	<u>Che</u>
					<u>Bolt Weld</u>	<u>Bolt Weld</u>	<u>Bolt Weld</u>	<u>Bolt Weld</u>							
Max Fx	29	4.40	0.55	26.77	9.15	0.45	43.99	21.00	0.28	0.17	0.17	0.38	True		
					3.74	0.18	21.00	21.00	0.02	0.00	0.00	0.00			
Min Fx	34	-0.95	0.24	14.37	7.07	0.20	44.00	21.00	0.25	0.12	0.14	0.38	True		
					3.45	0.08	21.00	21.00	0.02	0.00	0.00	0.00			
Max Fy	20	-0.72	0.70	-4.40	6.06	0.57	43.98	21.00	0.23	0.04	0.08	0.38	True		
					2.92	0.23	21.00	21.00	0.02	0.00	0.00	0.00			
Min Fy	20	0.67	0.69	4.70	5.54	0.56	43.98	21.00	0.22	0.03	0.07	0.38	True		
					2.50	0.23	21.00	21.00	0.01	0.00	0.00	0.00			
Max Fz	20	0.67	0.69	4.70	5.54	0.56	43.98	21.00	0.22	0.03	0.07	0.38	True		
					2.50	0.23	21.00	21.00	0.01	0.00	0.00	0.00			
Min Fz	26	3.49	0.16	22.18	6.52	0.13	44.00	21.00	0.24	0.14	0.15	0.38	True		
					2.63	0.05	21.00	21.00	0.02	0.00	0.00	0.00			
Max Mx	20	-0.72	0.70	-4.40	6.06	0.57	43.98	21.00	0.23	0.04	0.08	0.38	True		
					2.92	0.23	21.00	21.00	0.02	0.00	0.00	0.00			
Min Mx	20	0.67	0.69	4.70	5.54	0.56	43.98	21.00	0.22	0.03	0.07	0.38	True		
					2.50	-0.23	21.00	21.00	-0.01	0.00	0.00	0.00			
Max My	34	-0.95	0.24	14.37	7.07	0.20	44.00	21.00	0.25	0.12	0.14	0.38	True		
					3.45	0.08	21.00	21.00	0.02	0.00	0.00	0.00			
Min My	29	4.40	0.55	26.77	9.15	0.45	43.99	21.00	0.28	0.17	0.17	0.38	True		
					3.74	0.18	21.00	21.00	0.02	0.00	0.00	0.00			
Max Mz	20	-0.72	0.70	-4.40	6.06	0.57	43.98	21.00	0.23	0.04	0.08	0.38	True		
					2.92	0.23	21.00	21.00	0.02	0.00	0.00	0.00			
Min Mz	20	-0.72	0.70	-4.40	6.06	0.57	43.98	21.00	0.23	0.04	0.08	0.38	True		
					2.92	0.23	21.00	21.00	0.02	0.00	0.00	0.00			

MEMBER DESIGN

**RF2 Rafter**

Title: RF2  
 Count: 4  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 18.43  
 Vertical Angle Finish end: 18.43  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 11.07  
 Ly(ft) 11.07  
 Lz(ft) 11.07

**Section Properties**

Name HSS6X6X0.187  
 Depth (in) 6.00  
 Width (in) 6.00  
 Nominal Thickness (in) 0.19  
 Design Thickness (in) 0.17  
 Area (in<sup>2</sup>) 3.98  
 MOI Strong (in<sup>4</sup>) 22.30  
 MOI weak (in<sup>4</sup>) 22.30  
 Section Mod. Strong (in<sup>3</sup>) 7.42  
 Section Mod. Weak (in<sup>3</sup>) 7.42  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.6)WY2	29	13		1 3.00	-0.27	2.94	-125.40	-4.39	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	16		5 -1.40	-0.25	0.09	-16.93	6.93	0.00
Max Fy	MC ASCE(2.4.1.6)WX1	26	16		4 1.97	0.71	0.52	38.99	-14.24	0.00
Min Fy	MC ASCE(2.4.1.6)WX1	26	14		5 1.96	-0.71	0.48	55.63	37.78	0.00
Max Fz	MC ASCE(2.4.1.6)WY2	29	13		1 3.00	-0.27	2.94	-125.40	-4.39	0.00
Min Fz	MC ASCE(2.4.1.5)WX1	20	15		5 -0.37	0.31	-1.28	-1.07	-16.77	0.00
Max Mx	MC ASCE(2.4.1.6)WY2	29	16		1 2.88	-0.04	2.84	-119.89	2.15	0.00
Min Mx	MC ASCE(2.4.1.6)WY2	29	15		5 2.23	-0.64	-0.16	57.87	38.17	0.00
Max My	MC ASCE(2.4.1.6)WX1	26	13		3 2.30	-0.12	2.72	92.86	6.27	0.00
Min My	MC ASCE(2.4.1.6)WY2	29	14		1 3.00	0.27	2.94	-125.40	4.39	0.00
Max Mz	MC ASCE(2.4.1.6)WY2	29	15		5 2.23	-0.64	-0.16	57.87	38.17	0.00
Min Mz	MC ASCE(2.4.1.6)WY2	29	16		5 2.23	0.64	-0.16	57.87	-38.17	0.00

Compactness: NonCompact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ey	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC ASCE(2.4.1.6)WY2	0.75	20.18	16.90	27.60	0.59	27.60	33.02	33.02	0.67	0.00	True
Min Fx	MC ASCE(2.4.1.7)WY1	0.35	27.60	2.28	27.60	0.93	27.60	33.02	33.02	0.13	0.00	True
Max Fy	MC ASCE(2.4.1.6)WX1	0.50	20.18	5.25	27.60	1.92	27.60	33.02	33.02	0.28	0.00	True
Min Fy	MC ASCE(2.4.1.6)WX1	0.49	20.18	7.50	27.60	5.09	27.60	33.02	33.02	0.48	0.00	True
Max Fz	MC ASCE(2.4.1.6)WY2	0.75	20.18	16.90	27.60	0.59	27.60	33.02	33.02	0.67	0.00	True
Min Fz	MC ASCE(2.4.1.5)WX1	0.09	27.60	0.14	27.60	2.26	27.60	33.02	33.02	0.09	0.00	True
Max Mx	MC ASCE(2.4.1.6)WY2	0.72	20.18	16.16	27.60	0.29	27.60	33.02	33.02	0.63	0.00	True
Min Mx	MC ASCE(2.4.1.6)WY2	0.56	20.18	7.80	27.60	5.14	27.60	33.02	33.02	0.50	0.00	True
Max My	MC ASCE(2.4.1.6)WX1	0.58	20.18	12.51	27.60	0.85	27.60	33.02	33.02	0.51	0.00	True
Min My	MC ASCE(2.4.1.6)WY2	0.75	20.18	16.90	27.60	0.59	27.60	33.02	33.02	0.67	0.00	True
Max Mz	MC ASCE(2.4.1.6)WY2	0.56	20.18	7.80	27.60	5.14	27.60	33.02	33.02	0.50	0.00	True
Min Mz	MC ASCE(2.4.1.6)WY2	0.56	20.18	7.80	27.60	5.14	27.60	33.02	33.02	0.50	0.00	True

CONNECTION DESIGN

**RF2 I end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.32	<b>Length (in)</b>	6.50	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	6.00	<b>Width (in)</b>	6.00	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.50	<b>Vert. Spread(in)</b>	3.00	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	2.50	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>My (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WY2	29	13		1.300	-0.27	2.94	-125.40	-4.39	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	16		-1.128	0.23	-0.96	40.43	5.05	0.00
Max Fy	MC ASCE(2.4.1.6)WY2	29	14		1.300	0.27	2.94	-125.40	4.39	0.00
Min Fy	MC ASCE(2.4.1.6)WY2	29	13		1.300	-0.27	2.94	-125.40	-4.39	0.00
Max Fz	MC ASCE(2.4.1.6)WY2	29	13		1.300	-0.27	2.94	-125.40	-4.39	0.00
Min Fz	MC ASCE(2.4.1.7)WY1	34	16		-1.128	0.23	-0.96	40.43	5.05	0.00
Max Mx	MC ASCE(2.4.1.6)WY2	29	16		1.288	-0.04	2.84	-119.89	2.15	0.00
Min Mx	MC ASCE(2.4.1.6)WY2	29	15		1.288	0.04	2.84	-119.89	-2.15	0.00
Max My	MC ASCE(2.4.1.7)WY1	34	15		-1.128	-0.23	-0.96	40.43	-5.05	0.00
Min My	MC ASCE(2.4.1.6)WY2	29	14		1.300	0.27	2.94	-125.40	4.39	0.00
Max Mz	MC ASCE(2.4.1.5)WY1	22	14		-0.87	0.20	-0.56	21.24	6.51	0.00
Min Mz	MC ASCE(2.4.1.5)WY1	22	13		-0.87	-0.20	-0.56	21.24	-6.51	0.00

End Plate Connection Results

<b>Label</b>	<b>C. Num</b>	<b>Fh</b>	<b>Fv</b>	<b>My</b>	<b>Tu(Ksi)</b>		<b>Vu(Ksi)</b>		<b>Tn(Ksi)</b>		<b>Vn(Ksi)</b>		<b>Req. Size(in)</b>	<b>Mu(K-in)</b>	<b>Reqd. T(in)</b>	<b>Act. T(in)</b>	<b>Che</b>
					<b>Bolt Weld</b>												
Max Fx	29	1.92	3.75	25.40	41.60	3.05	43.53	21.00	0.61	0.94	0.39	0.50	0.12	0.94	0.39	0.50	True
Min Fx	34	-0.91	1.34	40.43	15.34	1.09	43.94	21.00	0.37	0.32	0.23	0.50	0.04	0.32	0.23	0.50	True
Max Fy	29	1.92	3.75	25.40	41.60	3.05	43.53	21.00	0.61	0.94	0.39	0.50	0.12	0.94	0.39	0.50	True
Min Fy	29	1.92	3.75	25.40	41.60	3.05	43.53	21.00	0.61	0.94	0.39	0.50	0.12	0.94	0.39	0.50	True
Max Fz	29	1.92	3.75	25.40	41.60	3.05	43.53	21.00	0.61	0.94	0.39	0.50	0.12	0.94	0.39	0.50	True
Min Fz	34	-0.91	1.34	40.43	15.34	1.09	43.94	21.00	0.37	0.32	0.23	0.50	0.04	0.32	0.23	0.50	True
Max Mx	29	1.83	3.61	119.89	39.05	2.94	43.57	21.00	0.59	0.90	0.38	0.50	0.11	0.90	0.38	0.50	True
Min Mx	29	1.83	3.61	119.89	39.05	2.94	43.57	21.00	0.59	0.90	0.38	0.50	0.11	0.90	0.38	0.50	True
Max My	34	-0.91	1.34	40.43	15.34	1.09	43.94	21.00	0.37	0.32	0.23	0.50	0.04	0.32	0.23	0.50	True
Min My	29	1.92	3.75	25.40	41.60	3.05	43.53	21.00	0.61	0.94	0.39	0.50	0.12	0.94	0.39	0.50	True
Max Mz	22	-0.65	0.83	21.24	9.50	0.68	43.98	21.00	0.29	0.17	0.16	0.50	0.03	0.17	0.16	0.50	True
Min Mz	22	-0.65	0.83	21.24	9.50	0.68	43.98	21.00	0.29	0.17	0.16	0.50	0.03	0.17	0.16	0.50	True

CONNECTION DESIGN

**RF2 J end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.32	<b>Length (in)</b>	6.50	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	6.00	<b>Width (in)</b>	6.00	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	3.00	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	2.50	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>My (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.6)WY2	29	13		5.235	0.70	-0.07	65.00	-32.64	0.00
Min Fx	MC ASCE(2.4.1.7)WY1	34	16		-5.140	-0.25	0.09	-16.93	6.93	0.00
Max Fy	MC ASCE(2.4.1.6)WX1	26	16		5.196	0.71	0.48	55.63	-37.78	0.00
Min Fy	MC ASCE(2.4.1.6)WX1	26	14		5.196	-0.71	0.48	55.63	37.78	0.00
Max Fz	MC ASCE(2.4.1.5)WX1	20	14		5.032	-0.30	1.28	0.47	16.30	0.00
Min Fz	MC ASCE(2.4.1.5)WX1	20	15		-5.037	0.31	-1.28	-1.07	-16.77	0.00
Max Mx	MC ASCE(2.4.1.6)WY2	29	16		5.223	0.64	-0.16	57.87	-38.17	0.00
Min Mx	MC ASCE(2.4.1.6)WY2	29	15		5.223	-0.64	-0.16	57.87	38.17	0.00
Max My	MC ASCE(2.4.1.6)WY2	29	13		5.235	0.70	-0.07	65.00	-32.64	0.00
Min My	MC ASCE(2.4.1.7)WY1	34	16		-5.140	-0.25	0.09	-16.93	6.93	0.00
Max Mz	MC ASCE(2.4.1.6)WY2	29	15		5.223	-0.64	-0.16	57.87	38.17	0.00
Min Mz	MC ASCE(2.4.1.6)WY2	29	16		5.223	0.64	-0.16	57.87	-38.17	0.00

End Plate Connection Results

<b>Label</b>	<b>C. Num</b>	<b>Fh</b>	<b>Fv</b>	<b>My</b>	<b>Tu(Ksi)</b>		<b>Vu(Ksi)</b>		<b>Tn(Ksi)</b>		<b>Vn(Ksi)</b>		<b>Req. Size(in)</b>	<b>Mu(K-in)</b>	<b>Reqd. T(in)</b>	<b>Act. T(in)</b>	<b>Che</b>
					<b>Bolt Weld</b>												
Max Fx	29	2.25	0.97	65.00	31.78	0.79	43.97	21.00	0.53	0.48	0.28	0.38	0.53	0.48	0.28	0.38	True
					14.64	0.32	21.00	21.00	0.09		0.00	0.00	0.09		0.00	0.00	True
Min Fx	34	-1.36	0.44	16.93	8.55	0.36	43.99	21.00	0.28	0.14	0.15	0.38	0.28	0.14	0.15	0.38	True
					4.19	0.14	21.00	21.00	0.02		0.00	0.00	0.02		0.00	0.00	True
Max Fy	26	1.71	1.29	55.63	30.77	1.05	43.94	21.00	0.52	0.41	0.26	0.38	0.52	0.41	0.26	0.38	True
					14.18	0.42	21.00	21.00	0.08		0.00	0.00	0.08		0.00	0.00	True
Min Fy	26	1.71	1.29	55.63	30.77	1.05	43.94	21.00	0.52	0.41	0.26	0.38	0.52	0.41	0.26	0.38	True
					14.18	0.42	21.00	21.00	0.08		0.00	0.00	0.08		0.00	0.00	True
Max Fz	20	-0.10	1.35	0.47	5.96	1.10	43.94	21.00	0.23	0.00	0.03	0.38	0.23	0.00	0.03	0.38	True
					2.75	0.44	21.00	21.00	0.02		0.00	0.00	0.02		0.00	0.00	True
Min Fz	20	0.05	1.37	-1.07	6.25	1.11	43.94	21.00	0.24	0.01	0.04	0.38	0.24	0.01	0.04	0.38	True
					2.87	0.44	21.00	21.00	0.02		0.00	0.00	0.02		0.00	0.00	True
Max Mx	29	2.17	0.85	57.87	31.45	0.69	43.98	21.00	0.53	0.42	0.26	0.38	0.53	0.42	0.26	0.38	True
					14.44	0.27	21.00	21.00	0.09		0.00	0.00	0.09		0.00	0.00	True
Min Mx	29	2.17	0.85	57.87	31.45	0.69	43.98	21.00	0.53	0.42	0.26	0.38	0.53	0.42	0.26	0.38	True
					14.44	0.27	21.00	21.00	0.09		0.00	0.00	0.09		0.00	0.00	True
Max My	29	2.25	0.97	65.00	31.78	0.79	43.97	21.00	0.53	0.48	0.28	0.38	0.53	0.48	0.28	0.38	True
					14.64	0.32	21.00	21.00	0.09		0.00	0.00	0.09		0.00	0.00	True
Min My	34	-1.36	0.44	16.93	8.55	0.36	43.99	21.00	0.28	0.14	0.15	0.38	0.28	0.14	0.15	0.38	True
					4.19	0.14	21.00	21.00	0.02		0.00	0.00	0.02		0.00	0.00	True
Max Mz	29	2.17	0.85	57.87	31.45	0.69	43.98	21.00	0.53	0.42	0.26	0.38	0.53	0.42	0.26	0.38	True
					14.44	0.27	21.00	21.00	0.09		0.00	0.00	0.09		0.00	0.00	True
Min Mz	29	2.17	0.85	57.87	31.45	0.69	43.98	21.00	0.53	0.42	0.26	0.38	0.53	0.42	0.26	0.38	True
					14.44	0.27	21.00	21.00	0.09		0.00	0.00	0.09		0.00	0.00	True

MEMBER DESIGN

**RT1 Rafter Tail**

Title: RT1  
 Count: 4  
 Horizontal Angle Start end: -13.26  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky: 2.10  
 Kz: 2.10  
 Lx(ft): 2.91  
 Ly(ft): 2.91  
 Lz(ft): 2.91

**Section Properties**

Name: HSS6X3X0.125  
 Depth (in): 6.00  
 Width (in): 3.00  
 Nominal Thickness (in): 0.13  
 Design Thickness (in): 0.12  
 Area (in<sup>2</sup>): 2.00  
 MOI Strong (in<sup>4</sup>): 9.43  
 MOI weak (in<sup>4</sup>): 3.23  
 Section Mod. Strong (in<sup>3</sup>): 3.14  
 Section Mod. Weak (in<sup>3</sup>): 2.15  
 Fy (ksi): 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.1)D	18	36		2.00	0.02	0.00	0.00	0.24	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	39		-1.02	0.06	0.00	0.00	1.12	0.00
Max Fy	MC ASCE(2.4.1.6)WX2	27	36		-1.01	0.07	0.00	0.08	1.30	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	39		2.00	-0.04	-0.01	0.08	-0.33	0.00
Max Fz	MC ASCE(2.4.1.5)WX1	20	36		1.00	0.04	0.01	-0.15	0.65	0.00
Min Fz	MC ASCE(2.4.1.7)WX2	33	39		2.00	0.01	-0.01	0.12	0.10	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	36		-1.01	0.03	0.00	0.00	0.44	0.00
Min Mx	MC ASCE(2.4.1.8)EY	37	39		5.00	0.00	0.00	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.5)WY1	22	36		-1.01	0.04	-0.01	0.26	0.61	0.00
Min My	MC ASCE(2.4.1.7)WY1	34	37		1.00	0.03	0.01	-0.26	0.44	0.00
Max Mz	MC ASCE(2.4.1.6)WX2	27	36		-1.01	0.07	0.00	0.08	1.30	0.00
Min Mz	MC ASCE(2.4.1.5)WX1	20	39		1.00	-0.04	-0.01	0.15	-0.67	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	StransB (in <sup>3</sup> )	StransT (in <sup>4</sup> )	Oa	Ea (ksi)
Max Fx	18	z	0.00	0.24	0.00	1.83	2.66	1.95	1.63	0.92	20.11
Min Fx	19	z	-0.02	1.12	0.00	1.83	2.66	1.95	1.63	0.92	20.11
Max Fy	27	z	-0.01	1.30	0.08	1.83	2.66	1.95	1.63	0.92	20.11
Min Fy	20	z	0.00	0.33	0.08	1.83	2.66	1.95	1.63	0.92	20.11
Max Fz	20	z	0.00	0.65	0.15	1.83	2.66	1.95	1.63	0.92	20.11
Min Fz	33	z	0.00	0.10	0.12	1.83	2.66	1.95	1.63	0.92	20.11
Max Mx	18	z	-0.01	0.44	0.00	1.83	2.66	1.95	1.63	0.92	20.11
Max My	22	z	-0.01	0.61	0.26	1.83	2.66	1.95	1.63	0.92	20.11
Min My	34	z	0.00	0.44	0.26	1.83	2.66	1.95	1.63	0.92	20.11
Max Mz	27	z	-0.01	1.30	0.08	1.83	2.66	1.95	1.63	0.92	20.11
Min Mz	20	z	0.00	0.67	0.15	1.83	2.66	1.95	1.63	0.92	20.11

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fbv</u>	<u>Fbv</u>	<u>fbz</u>	<u>Fbz</u>	<u>F'ev</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.1)D	0.00	20.11	0.00	27.60	0.15	27.60	131.06	44.89	0.01	0.00	True
Min Fx	MC ASCE(2.4.1.3)S	0.01	20.11	0.00	27.60	0.69	27.60	131.06	44.89	0.03	0.00	True
Max Fy	MC ASCE(2.4.1.6)WX2	0.01	20.11	0.03	27.60	0.80	27.60	131.06	44.89	0.03	0.00	True
Min Fy	MC ASCE(2.4.1.5)WX1	0.00	20.11	0.03	27.60	0.20	27.60	131.06	44.89	0.01	0.00	True
Max Fz	MC ASCE(2.4.1.5)WX1	0.00	20.11	0.05	27.60	0.40	27.60	131.06	44.89	0.02	0.00	True
Min Fz	MC ASCE(2.4.1.7)WX2	0.00	20.11	0.04	27.60	0.06	27.60	131.06	44.89	0.00	0.00	True
Max Mx	MC ASCE(2.4.1.1)D	0.01	20.11	0.00	27.60	0.27	27.60	131.06	44.89	0.01	0.00	True
Min Mx	MC ASCE(2.4.1.8)EY	0.00	27.60	0.00	27.60	0.00	27.60	131.06	44.89	0.00	0.00	True
Max My	MC ASCE(2.4.1.5)WY1	0.01	20.11	0.08	27.60	0.37	27.60	131.06	44.89	0.02	0.00	True
Min My	MC ASCE(2.4.1.7)WY1	0.00	20.11	0.08	27.60	0.27	27.60	131.06	44.89	0.01	0.00	True
Max Mz	MC ASCE(2.4.1.6)WX2	0.01	20.11	0.03	27.60	0.80	27.60	131.06	44.89	0.03	0.00	True
Min Mz	MC ASCE(2.4.1.5)WX1	0.00	20.11	0.05	27.60	0.41	27.60	131.06	44.89	0.02	0.00	True

CONNECTION DESIGN

**RT1 I end - Welded Connection**

WELD	<b>Depth(in)</b>	6.00	<b>Throat Size(in)</b>	0.13
	<b>Width (in)</b>	3.08	<b>Type</b>	Square

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mv (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>	
Max Fx	MC\ASCE(2.4.1.5)WX1	20	36		1	0.00	0.04	0.01	-0.15	0.65	0.00
Min Fx	MC\ASCE(2.4.1.3)S	19	39		1	-0.02	0.06	0.00	0.00	1.12	0.00
Max Fy	MC\ASCE(2.4.1.6)WX2	27	36		1	-0.01	0.07	0.00	0.08	1.30	0.00
Min Fy	MC\ASCE(2.4.1.5)WX1	20	39		1	0.00	-0.04	-0.01	0.15	-0.67	0.00
Max Fz	MC\ASCE(2.4.1.5)WX1	20	36		1	0.00	0.04	0.01	-0.15	0.65	0.00
Min Fz	MC\ASCE(2.4.1.7)WX2	33	39		1	0.00	0.01	-0.01	0.24	0.17	0.00
Max Mx	MC\ASCE(2.4.1.1)D	18	36		1	-0.01	0.03	0.00	0.00	0.44	0.00
Min Mx	MC\ASCE(2.4.1.8)EY	37	39		1	0.00	0.01	0.00	-0.01	0.26	0.00
Max My	MC\ASCE(2.4.1.5)WY1	22	36		1	-0.01	0.04	-0.01	0.26	0.61	0.00
Min My	MC\ASCE(2.4.1.7)WY1	34	37		1	0.00	0.03	0.01	-0.26	0.44	0.00
Max Mz	MC\ASCE(2.4.1.6)WX2	27	36		1	-0.01	0.07	0.00	0.08	1.30	0.00
Min Mz	MC\ASCE(2.4.1.5)WX1	20	39		1	0.00	-0.04	-0.01	0.15	-0.67	0.00

**WELDED CONNECTION RESULTS**

<b>Label</b>	<b>C. Num</b>	<b>Vn (K/in)</b>	<b>Vu (K/in)</b>	<b>Tn (K/in)</b>	<b>Tu (K/in)</b>	<b>Required Throat (in)</b>	<b>Check</b>
Max Fx	20	2.63	0.00	2.63	0.03	0.0016	True
Min Fx	19	2.63	0.00	2.63	0.05	0.0024	True
Max Fy	27	2.63	0.00	2.63	0.06	0.0029	True
Min Fy	20	2.63	0.00	2.63	0.04	0.0017	True
Max Fz	20	2.63	0.00	2.63	0.03	0.0016	True
Min Fz	33	2.63	0.00	2.63	0.02	0.0007	True
Max Mx	18	2.63	0.00	2.63	0.02	0.0009	True
Min Mx	37	2.63	0.00	2.63	0.01	0.0006	True
Max My	22	2.63	0.00	2.63	0.04	0.0017	True
Min My	34	2.63	0.00	2.63	0.03	0.0014	True
Max Mz	27	2.63	0.00	2.63	0.06	0.0029	True
Min Mz	20	2.63	0.00	2.63	0.04	0.0017	True

MEMBER DESIGN

**TB1 Tie Beam**

Title: TB1  
 Count: 2  
 Horizontal Angle Start end: 45.00  
 Horizontal Angle Finish end: -45.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky: 1.20  
 Kz: 1.20  
 Lx(ft): 21.00  
 Ly(ft): 3.00  
 Lz(ft): 3.00

**Section Properties**

Name: HSS6X4X0.125  
 Depth (in): 6.00  
 Width (in): 4.00  
 Nominal Thickness (in): 0.13  
 Design Thickness (in): 0.12  
 Area (in<sup>2</sup>): 2.23  
 MOI Strong (in<sup>4</sup>): 11.40  
 MOI weak (in<sup>4</sup>): 6.15  
 Section Mod. Strong (in<sup>3</sup>): 3.81  
 Section Mod. Weak (in<sup>3</sup>): 3.08  
 Fy (ksi): 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.7)WY1	34	17		1.06	-0.30	1.02	-37.53	-10.85	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	18		-5.75	0.00	-1.15	-42.91	0.50	0.00
Max Fy	MC ASCE(2.4.1.5)WY1	22	17		0.05	0.30	-1.11	-40.75	-10.81	0.00
Min Fy	MC ASCE(2.4.1.7)WY1	34	17		1.06	-0.30	1.02	-37.53	-10.85	0.00
Max Fz	MC ASCE(2.4.1.6)WY1	28	17		-3.57	-0.22	1.59	-58.73	-7.79	0.00
Min Fz	MC ASCE(2.4.1.6)WY1	28	17		5.37	0.22	-1.59	-58.73	-7.79	0.00
Max Mx	MC ASCE(2.4.1.5)WX1	20	18		0.03	0.03	0.22	-27.40	3.20	0.00
Min Mx	MC ASCE(2.4.1.5)WX1	20	17		0.03	-0.03	-0.22	-27.40	3.20	0.00
Max My	MC ASCE(2.4.1.6)WY1	28	17		-3.57	0.00	0.00	41.20	6.21	0.00
Min My	MC ASCE(2.4.1.6)WX2	27	18		-4.56	-0.15	1.48	-61.37	-4.69	0.00
Max Mz	MC ASCE(2.4.1.7)WX1	32	17		-0.96	-0.23	0.39	4.03	10.06	0.00
Min Mz	MC ASCE(2.4.1.7)WY1	34	17		0.61	0.30	-1.02	-37.53	-10.85	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	StransB (in <sup>3</sup> )	StransT (in <sup>4</sup> )	Oa	Ea (ksi)
Max Fx	34	z	0.61	10.85	37.53	2.23	6.15	3.08	3.08	1.00	25.53
Min Fx	19	z	-5.75	0.50	42.91	2.23	6.15	3.08	3.08	1.00	25.53
Max Fy	22	z	0.05	10.81	40.75	2.23	6.15	3.08	3.08	1.00	25.53
Min Fy	34	z	0.61	10.85	37.53	2.23	6.15	3.08	3.08	1.00	25.53
Max Fz	28	z	-3.57	7.79	58.73	2.23	5.79	2.90	2.89	1.00	25.48
Min Fz	28	z	-3.57	7.79	58.73	2.23	5.79	2.90	2.89	1.00	25.48
Max Mx	20	z	0.03	3.20	27.40	2.23	6.15	3.08	3.08	1.00	25.53
Min Mx	20	z	0.03	3.20	27.40	2.23	6.15	3.08	3.08	1.00	25.53
Max My	28	z	-3.57	6.21	41.20	2.23	6.15	3.08	3.08	1.00	25.53
Min My	27	z	-4.56	4.69	61.37	2.23	6.15	3.08	3.08	1.00	25.53
Max Mz	32	z	-0.96	10.06	4.03	2.23	6.15	3.08	3.08	1.00	25.53
Min Mz	34	z	0.61	10.85	37.53	2.23	6.15	3.08	3.08	1.00	25.53

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fbv</u>	<u>Fbv</u>	<u>fbz</u>	<u>Fbz</u>	<u>F'ev</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.7)WY1	0.27	8.34	9.85	27.60	3.52	27.60	8.34	220.50	0.52	0.00	True
Min Fx	MC ASCE(2.4.1.3)S	2.58	25.53	11.26	27.60	0.16	27.60	8.34	220.50	0.51	0.00	True
Max Fy	MC ASCE(2.4.1.5)WY1	0.02	8.34	10.70	27.60	3.51	27.60	8.34	220.50	0.52	0.00	True
Min Fy	MC ASCE(2.4.1.7)WY1	0.27	8.34	9.85	27.60	3.52	27.60	8.34	220.50	0.52	0.00	True
Max Fz	MC ASCE(2.4.1.6)WY1	1.60	25.48	15.41	27.60	2.70	27.60	8.34	220.50	0.72	0.00	True
Min Fz	MC ASCE(2.4.1.6)WY1	1.60	25.48	15.41	27.60	2.70	27.60	8.34	220.50	0.72	0.00	True
Max Mx	MC ASCE(2.4.1.5)WX1	0.01	8.34	7.19	27.60	1.04	27.60	8.34	220.50	0.30	0.00	True
Min Mx	MC ASCE(2.4.1.5)WX1	0.01	8.34	7.19	27.60	1.04	27.60	8.34	220.50	0.30	0.00	True
Max My	MC ASCE(2.4.1.6)WY1	1.60	25.53	10.81	27.60	2.02	27.60	8.34	220.50	0.53	0.00	True
Min My	MC ASCE(2.4.1.6)WX2	2.04	25.53	16.11	27.60	1.52	27.60	8.34	220.50	0.72	0.00	True
Max Mz	MC ASCE(2.4.1.7)WX1	0.43	25.53	1.06	27.60	3.27	27.60	8.34	220.50	0.17	0.00	True
Min Mz	MC ASCE(2.4.1.7)WY1	0.27	8.34	9.85	27.60	3.52	27.60	8.34	220.50	0.52	0.00	True

CONNECTION DESIGN

**TB1 I end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	5.66	<b>Width (in)</b>	6.00	<b>Bolt Size (in)</b>	0.75	Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase	
Max Fx	MC\ASCE(2.4.1.7)WY1	34	17		1	0.61	-0.30	1.02	-37.53	-10.85	0.00
Min Fx	MC\ASCE(2.4.1.3)S	19	18		1	-5.75	0.00	1.15	-42.91	0.50	0.00
Max Fy	MC\ASCE(2.4.1.5)WY2	23	18		1	-2.81	0.26	-0.56	20.71	9.66	0.00
Min Fy	MC\ASCE(2.4.1.7)WY1	34	17		1	0.61	-0.30	1.02	-37.53	-10.85	0.00
Max Fz	MC\ASCE(2.4.1.6)WY1	28	17		1	-3.57	-0.22	1.59	-58.73	-7.79	0.00
Min Fz	MC\ASCE(2.4.1.7)WY2	35	18		1	-2.24	0.26	-0.65	23.92	9.61	0.00
Max Mx	MC\ASCE(2.4.1.5)WX1	20	18		1	0.03	0.03	0.22	-27.40	3.20	0.00
Min Mx	MC\ASCE(2.4.1.5)WX1	20	17		1	0.03	-0.03	-0.22	27.39	-3.19	0.00
Max My	MC\ASCE(2.4.1.7)WX1	32	17		1	-0.96	0.20	-0.64	35.09	6.44	0.00
Min My	MC\ASCE(2.4.1.6)WX2	27	18		1	-4.56	-0.15	1.48	-61.37	-4.69	0.00
Max Mz	MC\ASCE(2.4.1.7)WX1	32	18		1	-0.96	0.23	-0.39	4.03	10.06	0.00
Min Mz	MC\ASCE(2.4.1.7)WY1	34	17		1	0.61	-0.30	1.02	-37.53	-10.85	0.00

End Plate Connection Results

Label	C. Num	Fh	Fv	My	Tn(Ksi)		Vu(Ksi)		Req. Size(in)	Mu(K-in)	Req. T(in)	Act. T(in)	Che
					Bolt Weld	Bolt Weld	Tn Bolt	Vn Bolt					
Max Fx	34	0.64	1.04	37.53	22.28	1.18	43.93	21.00	0.53	0.39	0.25	0.38	True
					8.27	0.36	21.00	21.00	0.05		0.00	0.00	
Min Fx	19	-4.07	4.23	42.91	23.40	4.78	42.84	21.00	0.55	0.41	0.26	0.38	True
					9.07	1.45	21.00	21.00	0.05		0.00	0.00	
Max Fy	23	-2.17	1.89	20.71	15.20	2.14	43.77	21.00	0.44	0.26	0.21	0.38	True
					6.12	0.65	21.00	21.00	0.04		0.00	0.00	
Min Fy	34	0.64	1.04	37.53	22.28	1.18	43.93	21.00	0.53	0.39	0.25	0.38	True
					8.27	0.36	21.00	21.00	0.05		0.00	0.00	
Max Fz	28	-2.37	3.12	58.73	33.08	3.53	43.38	21.00	0.65	0.58	0.30	0.38	True
					12.48	1.07	21.00	21.00	0.07		0.00	0.00	
Min Fz	35	-1.77	1.54	23.92	16.52	1.75	43.85	21.00	0.46	0.29	0.21	0.38	True
					6.52	0.53	21.00	21.00	0.04		0.00	0.00	
Max Mx	20	0.00	0.22	27.40	14.63	0.25	44.00	21.00	0.43	0.25	0.20	0.38	True
					5.35	0.08	21.00	21.00	0.03		0.00	0.00	
Min Mx	20	0.04	0.22	27.39	14.60	0.25	44.00	21.00	0.43	0.25	0.20	0.38	True
					5.33	0.08	21.00	21.00	0.03		0.00	0.00	
Max My	32	-0.82	0.84	35.09	20.15	0.95	43.96	21.00	0.51	0.35	0.24	0.38	True
					7.55	0.29	21.00	21.00	0.04		0.00	0.00	
Min My	27	-3.12	3.64	61.37	33.54	4.12	43.14	21.00	0.66	0.58	0.31	0.38	True
					12.66	1.25	21.00	21.00	0.07		0.00	0.00	
Max Mz	32	-0.84	0.65	4.03	6.49	0.73	43.97	21.00	0.29	0.11	0.13	0.38	True
					2.80	0.22	21.00	21.00	0.02		0.00	0.00	
Min Mz	34	0.64	1.04	37.53	22.28	1.18	43.93	21.00	0.53	0.39	0.25	0.38	True
					8.27	0.36	21.00	21.00	0.05		0.00	0.00	

CONNECTION DESIGN

**TB1 J end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	5.66	<b>Width (in)</b>	6.00	<b>Bolt Size (in)</b>	0.75	Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

<u>Label</u>	<u>C. Name</u>	<u>C. Num</u>	<u>Rbt. Bar Num.</u>	<u>Location</u>	<u>Fx (K)</u>	<u>Fy (K)</u>	<u>Fz (K)</u>	<u>My (K-in)</u>	<u>Mz (K-in)</u>	<u>Allow. Increase</u>
Max Fx	MC\ASCE(2.4.1.7)WY1	34	17		5.061	0.30	-1.02	-37.53	-10.85	0.00
Min Fx	MC\ASCE(2.4.1.3)S	19	18		-5.75	0.00	-1.15	-42.91	0.50	0.00
Max Fy	MC\ASCE(2.4.1.5)WY1	22	17		5.005	0.30	-1.11	-40.75	-10.81	0.00
Min Fy	MC\ASCE(2.4.1.7)WY2	35	18		-5.224	-0.26	0.65	23.92	9.61	0.00
Max Fz	MC\ASCE(2.4.1.7)WY2	35	18		-5.224	-0.26	0.65	23.92	9.61	0.00
Min Fz	MC\ASCE(2.4.1.6)WY1	28	17		-5.357	0.22	-1.59	-58.73	-7.79	0.00
Max Mx	MC\ASCE(2.4.1.5)WX1	20	18		5.003	0.03	0.22	27.39	-3.19	0.00
Min Mx	MC\ASCE(2.4.1.5)WX1	20	17		5.003	-0.03	-0.22	-27.40	3.20	0.00
Max My	MC\ASCE(2.4.1.7)WX1	32	18		-5.096	-0.20	0.64	35.09	6.44	0.00
Min My	MC\ASCE(2.4.1.6)WX2	27	17		-5.456	0.15	-1.48	-61.37	-4.69	0.00
Max Mz	MC\ASCE(2.4.1.7)WX1	32	17		-5.096	-0.23	0.39	4.03	10.06	0.00
Min Mz	MC\ASCE(2.4.1.7)WY1	34	17		5.061	0.30	-1.02	-37.53	-10.85	0.00

End Plate Connection Results

<u>Label</u>	<u>C. Num</u>	<u>Fh</u>	<u>Fv</u>	<u>My</u>	<u>Tu(Ksi)</u>		<u>Vu(Ksi)</u>		<u>Tn(Ksi)</u>		<u>Vn(Ksi)</u>		<u>Req. Size(in)</u>	<u>Mu(K-in)</u>	<u>Reqd. T(in)</u>	<u>Act. T(in)</u>	<u>Che</u>
					<u>Bolt Weld</u>	<u>Plate</u>	<u>Plate</u>										
Max Fx	34	0.64	1.04	37.53	22.28	1.18	43.93	21.00	0.53	0.39	0.25	0.38	0.53	0.39	0.25	0.38	True
					8.27	0.36	21.00	21.00	0.05		0.00	0.00					
Min Fx	19	-4.07	4.23	42.91	23.40	4.78	42.84	21.00	0.55	0.41	0.26	0.38	0.55	0.41	0.26	0.38	True
					9.07	1.45	21.00	21.00	0.05		0.00	0.00					
Max Fy	22	0.25	1.12	40.75	24.06	1.27	43.92	21.00	0.56	0.42	0.26	0.38	0.56	0.42	0.26	0.38	True
					8.96	0.39	21.00	21.00	0.05		0.00	0.00					
Min Fy	35	-1.77	1.54	23.92	16.52	1.75	43.85	21.00	0.46	0.29	0.21	0.38	0.46	0.29	0.21	0.38	True
					6.52	0.53	21.00	21.00	0.04		0.00	0.00					
Max Fz	35	-1.77	1.54	23.92	16.52	1.75	43.85	21.00	0.46	0.29	0.21	0.38	0.46	0.29	0.21	0.38	True
					6.52	0.53	21.00	21.00	0.04		0.00	0.00					
Min Fz	28	-2.37	3.12	58.73	33.08	3.53	43.38	21.00	0.65	0.58	0.30	0.38	0.65	0.58	0.30	0.38	True
					12.48	1.07	21.00	21.00	0.07		0.00	0.00					
Max Mx	20	0.04	0.22	27.39	14.60	0.25	44.00	21.00	0.43	0.25	0.20	0.38	0.43	0.25	0.20	0.38	True
					5.33	0.08	21.00	21.00	0.03		0.00	0.00					
Min Mx	20	0.00	0.22	27.40	14.63	0.25	44.00	21.00	0.43	0.25	0.20	0.38	0.43	0.25	0.20	0.38	True
					5.35	-0.08	21.00	21.00	-0.03		0.00	0.00					
Max My	32	-0.82	0.84	35.09	20.15	0.95	43.96	21.00	0.51	0.35	0.24	0.38	0.51	0.35	0.24	0.38	True
					7.55	0.29	21.00	21.00	0.04		0.00	0.00					
Min My	27	-3.12	3.64	61.37	33.54	4.12	43.14	21.00	0.66	0.58	0.31	0.38	0.66	0.58	0.31	0.38	True
					12.66	1.25	21.00	21.00	0.07		0.00	0.00					
Max Mz	32	-0.84	0.65	4.03	6.49	0.73	43.97	21.00	0.29	0.11	0.13	0.38	0.29	0.11	0.13	0.38	True
					2.80	0.22	21.00	21.00	0.02		0.00	0.00					
Min Mz	34	0.64	1.04	37.53	22.28	1.18	43.93	21.00	0.53	0.39	0.25	0.38	0.53	0.39	0.25	0.38	True
					8.27	0.36	21.00	21.00	0.05		0.00	0.00					

MEMBER DESIGN

**TB2 Tie Beam**

Title: TB2  
 Count: 2  
 Horizontal Angle Start end: 45.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 18.67  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS6X4X0.125  
 Depth (in) 6.00  
 Width (in) 4.00  
 Nominal Thickness (in) 0.13  
 Design Thickness (in) 0.12  
 Area (in<sup>2</sup>) 2.23  
 MOI Strong (in<sup>4</sup>) 11.40  
 MOI weak (in<sup>4</sup>) 6.15  
 Section Mod. Strong (in<sup>3</sup>) 3.81  
 Section Mod. Weak (in<sup>3</sup>) 3.08  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC\ASCE(2.4.1.5)WX1	20	21		1.084	-0.29	0.75	-23.19	-11.84	0.00
Min Fx	MC\ASCE(2.4.1.3)S	19	21		-5.81	0.02	-1.08	-42.90	-2.29	0.00
Max Fy	MC\ASCE(2.4.1.5)WX1	20	20		-0.79	0.29	-0.77	23.71	12.00	0.00
Min Fy	MC\ASCE(2.4.1.5)WX1	20	21		0.84	-0.29	0.75	-23.19	-11.84	0.00
Max Fz	MC\ASCE(2.4.1.6)WX1	26	21		-4.31	-0.17	1.33	-40.33	-4.28	0.00
Min Fz	MC\ASCE(2.4.1.6)WX1	26	21		4.31	0.22	-1.49	-59.05	-9.39	0.00
Max Mx	MC\ASCE(2.4.1.7)WX1	32	21		-0.32	-0.25	0.85	-25.42	-7.73	0.00
Min Mx	MC\ASCE(2.4.1.7)WY1	34	20		0.22	-0.23	0.43	13.88	11.24	0.00
Max My	MC\ASCE(2.4.1.5)WX1	20	20		-0.79	-0.25	0.86	33.43	7.24	0.00
Min My	MC\ASCE(2.4.1.6)WX1	26	21		4.31	0.22	-1.49	-59.05	-9.39	0.00
Max Mz	MC\ASCE(2.4.1.5)WX1	20	20		-0.79	0.29	-0.77	23.71	12.00	0.00
Min Mz	MC\ASCE(2.4.1.5)WX1	20	21		0.84	-0.29	0.75	-23.19	-11.84	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	StransB (in <sup>3</sup> )	StransT (in <sup>4</sup> )	Oa	Ea (ksi)
Max Fx	20	z	0.84	11.84	23.19	2.23	6.15	3.08	3.08	1.00	25.53
Min Fx	19	z	-5.81	2.29	42.90	2.23	6.15	3.08	3.08	1.00	25.53
Max Fy	20	z	-0.79	12.00	23.71	2.23	6.15	3.08	3.08	1.00	25.53
Min Fy	20	z	0.84	11.84	23.19	2.23	6.15	3.08	3.08	1.00	25.53
Max Fz	26	z	-4.31	4.28	40.33	2.23	6.15	3.08	3.08	1.00	25.53
Min Fz	26	z	4.31	9.39	59.05	2.22	5.78	2.90	2.88	1.00	25.44
Max Mx	32	z	-0.32	7.73	25.42	2.23	6.15	3.08	3.08	1.00	25.53
Min Mx	34	z	0.22	11.24	13.88	2.23	6.15	3.08	3.08	1.00	25.53
Max My	20	z	-0.79	7.24	33.43	2.23	6.15	3.08	3.08	1.00	25.53
Min My	26	z	4.31	9.39	59.05	2.22	5.78	2.90	2.88	1.00	25.44
Max Mz	20	z	-0.79	12.00	23.71	2.23	6.15	3.08	3.08	1.00	25.53
Min Mz	20	z	0.84	11.84	23.19	2.23	6.15	3.08	3.08	1.00	25.53

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fbv</u>	<u>Fbv</u>	<u>fbz</u>	<u>Fbz</u>	<u>F'ev</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.5)WX1	0.38	10.55	6.09	27.60	3.84	27.60	10.55	220.50	0.40	0.00	True
Min Fx	MC ASCE(2.4.1.3)S	2.61	25.53	11.26	27.60	0.74	27.60	10.55	220.50	0.54	0.00	True
Max Fy	MC ASCE(2.4.1.5)WX1	0.35	25.53	6.22	27.60	3.90	27.60	10.55	220.50	0.38	0.00	True
Min Fy	MC ASCE(2.4.1.5)WX1	0.38	10.55	6.09	27.60	3.84	27.60	10.55	220.50	0.40	0.00	True
Max Fz	MC ASCE(2.4.1.6)WX1	1.93	25.53	10.59	27.60	1.39	27.60	10.55	220.50	0.51	0.00	True
Min Fz	MC ASCE(2.4.1.6)WX1	1.93	25.44	15.50	27.60	3.26	27.60	10.55	220.50	0.76	0.00	True
Max Mx	MC ASCE(2.4.1.7)WX1	0.14	25.53	6.67	27.60	2.51	27.60	10.55	220.50	0.34	0.00	True
Min Mx	MC ASCE(2.4.1.7)WY1	0.10	10.55	3.64	27.60	3.65	27.60	10.55	220.50	0.27	0.00	True
Max My	MC ASCE(2.4.1.5)WX1	0.35	25.53	8.77	27.60	2.35	27.60	10.55	220.50	0.42	0.00	True
Min My	MC ASCE(2.4.1.6)WX1	1.93	25.44	15.50	27.60	3.26	27.60	10.55	220.50	0.76	0.00	True
Max Mz	MC ASCE(2.4.1.5)WX1	0.35	25.53	6.22	27.60	3.90	27.60	10.55	220.50	0.38	0.00	True
Min Mz	MC ASCE(2.4.1.5)WX1	0.38	10.55	6.09	27.60	3.84	27.60	10.55	220.50	0.40	0.00	True

CONNECTION DESIGN

**TB2 I end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	5.66	<b>Width (in)</b>	6.00	<b>Bolt Size (in)</b>	0.75	Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.5)WX1	20	21		1.084	-0.29	0.75	-23.19	-11.84	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	21		-1.581	0.02	0.97	-29.81	2.15	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	20		-0.79	0.29	-0.77	23.71	12.00	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	21		1.084	-0.29	0.75	-23.19	-11.84	0.00
Max Fz	MC ASCE(2.4.1.6)WX1	26	21		-4.31	-0.17	1.33	-40.33	-4.28	0.00
Min Fz	MC ASCE(2.4.1.5)WX1	20	20		-0.79	0.29	-0.77	23.71	12.00	0.00
Max Mx	MC ASCE(2.4.1.7)WX1	32	21		-0.32	-0.25	0.85	-25.42	-7.73	0.00
Min Mx	MC ASCE(2.4.1.7)WY1	34	20		1.022	0.15	-0.48	19.41	1.96	0.00
Max My	MC ASCE(2.4.1.5)WX1	20	20		-0.79	0.29	-0.77	23.71	12.00	0.00
Min My	MC ASCE(2.4.1.6)WX1	26	21		-4.31	-0.17	1.33	-40.33	-4.28	0.00
Max Mz	MC ASCE(2.4.1.5)WX1	20	20		-0.79	0.29	-0.77	23.71	12.00	0.00
Min Mz	MC ASCE(2.4.1.5)WX1	20	21		1.084	-0.29	0.75	-23.19	-11.84	0.00

End Plate Connection Results

Label	C. Num	Fh	Fv	My	Tn(Ksi)		Vu(Ksi)		Req. Size(in)	Mu(K-in)	Reqd. T(in)	Act. T(in)	Che
					Bolt Weld	Bolt Weld	Tn(Bolt)	Vu(Bolt)					
Max Fx	20	0.80	0.84	23.19	15.61	0.96	43.95	21.00	0.45	0.27	0.21	0.38	True
					5.89	0.29	21.00	21.00	0.04		0.00	0.00	
Min Fx	19	-4.12	4.21	-29.81	17.72	4.76	42.85	21.00	0.48	0.31	0.22	0.38	True
					7.14	1.44	21.00	21.00	0.04		0.00	0.00	
Max Fy	20	-0.76	0.85	23.71	16.81	0.96	43.95	21.00	0.46	0.29	0.22	0.38	True
					6.55	0.29	21.00	21.00	0.04		0.00	0.00	
Min Fy	20	0.80	0.84	23.19	15.61	0.96	43.95	21.00	0.45	0.27	0.21	0.38	True
					5.89	0.29	21.00	21.00	0.04		0.00	0.00	
Max Fz	26	-2.93	3.44	-40.33	23.02	3.89	43.24	21.00	0.55	0.40	0.25	0.38	True
					8.87	1.18	21.00	21.00	0.05		0.00	0.00	
Min Fz	20	-0.76	0.85	23.71	16.81	0.96	43.95	21.00	0.46	0.29	0.22	0.38	True
					6.55	0.29	21.00	21.00	0.04		0.00	0.00	
Max Mx	32	-0.05	0.94	-25.42	15.52	1.06	43.94	21.00	0.45	0.27	0.21	0.38	True
					5.84	0.32	21.00	21.00	0.03		0.00	0.00	
Min Mx	34	0.05	0.55	19.41	10.21	0.62	43.98	21.00	0.36	0.18	0.17	0.38	True
					3.72	0.19	21.00	21.00	0.02		0.00	0.00	
Max My	20	-0.76	0.85	23.71	16.81	0.96	43.95	21.00	0.46	0.29	0.22	0.38	True
					6.55	0.29	21.00	21.00	0.04		0.00	0.00	
Min My	26	-2.93	3.44	-40.33	23.02	3.89	43.24	21.00	0.55	0.40	0.25	0.38	True
					8.87	1.18	21.00	21.00	0.05		0.00	0.00	
Max Mz	20	-0.76	0.85	23.71	16.81	0.96	43.95	21.00	0.46	0.29	0.22	0.38	True
					6.55	0.29	21.00	21.00	0.04		0.00	0.00	
Min Mz	20	0.80	0.84	23.19	15.61	0.96	43.95	21.00	0.45	0.27	0.21	0.38	True
					5.89	0.29	21.00	21.00	0.04		0.00	0.00	

CONNECTION DESIGN

**TB2 J end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	4.00	<b>Width (in)</b>	4.00	<b>Bolt Size (in)</b>	0.75	Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.5)WX1	20	21		5.084	0.24	-0.84	-32.66	-6.96	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	21		-5.81	0.02	-1.08	-42.90	-2.29	0.00
Max Fy	MC ASCE(2.4.1.7)WX1	32	21		-0.32	0.28	-0.96	-38.05	-10.37	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	20		-0.79	-0.25	0.86	33.43	7.24	0.00
Max Fz	MC ASCE(2.4.1.5)WX1	20	20		-0.79	-0.25	0.86	33.43	7.24	0.00
Min Fz	MC ASCE(2.4.1.6)WX1	26	21		-4.31	0.22	-1.49	-59.05	-9.39	0.00
Max Mx	MC ASCE(2.4.1.7)WX1	32	21		-0.32	0.28	-0.96	-38.05	-10.37	0.00
Min Mx	MC ASCE(2.4.1.7)WY1	34	20		0.22	-0.23	0.43	13.88	11.24	0.00
Max My	MC ASCE(2.4.1.5)WX1	20	20		-0.79	-0.25	0.86	33.43	7.24	0.00
Min My	MC ASCE(2.4.1.6)WX1	26	21		-4.31	0.22	-1.49	-59.05	-9.39	0.00
Max Mz	MC ASCE(2.4.1.7)WY1	34	20		0.22	-0.23	0.43	13.88	11.24	0.00
Min Mz	MC ASCE(2.4.1.5)WY2	23	21		-2.48	0.24	-0.78	-28.43	-11.55	0.00

End Plate Connection Results

Label	C. Num	Fh	Fv	My	Tu(Ksi)	Vu(Ksi)	Tn(Ksi)	Vn(Ksi)	Req. Size(in)	Mu(K-in)	Rqd. T(in)	Act. T(in)	Che
					Bolt Weld	Plate	Plate	Plate					
Max Fx	20	0.84	0.87	32.66	18.77	0.99	43.95	21.00	0.49	0.36	0.24	0.38	True
					8.83	0.35	21.00	21.00	0.05		0.00	0.00	
Min Fx	19	-5.81	1.08	42.90	24.87	1.22	43.93	21.00	0.56	0.48	0.28	0.38	True
					12.49	0.43	21.00	21.00	0.07		0.00	0.00	
Max Fy	32	-0.32	1.00	38.05	23.83	1.13	43.94	21.00	0.55	0.46	0.27	0.38	True
					11.42	0.40	21.00	21.00	0.07		0.00	0.00	
Min Fy	20	-0.79	0.90	33.43	20.21	1.01	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.73	0.36	21.00	21.00	0.06		0.00	0.00	
Max Fz	20	-0.79	0.90	33.43	20.21	1.01	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.73	0.36	21.00	21.00	0.06		0.00	0.00	
Min Fz	26	-4.31	1.51	59.05	35.52	1.70	43.85	21.00	0.67	0.69	0.33	0.38	True
					17.42	0.60	21.00	21.00	0.10		0.00	0.00	
Max Mx	32	-0.32	1.00	38.05	23.83	1.13	43.94	21.00	0.55	0.46	0.27	0.38	True
					11.42	0.40	21.00	21.00	0.07		0.00	0.00	
Min Mx	34	0.22	0.49	13.88	12.53	0.55	43.98	21.00	0.40	0.24	0.20	0.38	True
					6.07	0.20	21.00	21.00	0.04		0.00	0.00	
Max My	20	-0.79	0.90	33.43	20.21	1.01	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.73	0.36	21.00	21.00	0.06		0.00	0.00	
Min My	26	-4.31	1.51	59.05	35.52	1.70	43.85	21.00	0.67	0.69	0.33	0.38	True
					17.42	0.60	21.00	21.00	0.10		0.00	0.00	
Max Mz	34	0.22	0.49	13.88	12.53	0.55	43.98	21.00	0.40	0.24	0.20	0.38	True
					6.07	0.20	21.00	21.00	0.04		0.00	0.00	
Min Mz	23	-2.48	0.82	28.43	21.13	0.92	43.96	21.00	0.52	0.41	0.26	0.38	True
					10.46	0.33	21.00	21.00	0.06		0.00	0.00	

MEMBER DESIGN

**TB3 Tie Beam**

Title: TB3  
 Count: 2  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: -45.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 18.67  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS6X4X0.125  
 Depth (in) 6.00  
 Width (in) 4.00  
 Nominal Thickness (in) 0.13  
 Design Thickness (in) 0.12  
 Area (in<sup>2</sup>) 2.23  
 MOI Strong (in<sup>4</sup>) 11.40  
 MOI weak (in<sup>4</sup>) 6.15  
 Section Mod. Strong (in<sup>3</sup>) 3.81  
 Section Mod. Weak (in<sup>3</sup>) 3.08  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC\ASCE(2.4.1.5)WX1	20	19		1.084	-0.24	0.84	-32.66	-6.96	0.00
Min Fx	MC\ASCE(2.4.1.3)S	19	22		-5.81	-0.02	-0.97	-29.81	2.15	0.00
Max Fy	MC\ASCE(2.4.1.5)WX1	20	19		5.084	0.29	-0.75	-23.19	-11.84	0.00
Min Fy	MC\ASCE(2.4.1.5)WX1	20	22		-0.79	-0.29	0.77	23.71	12.00	0.00
Max Fz	MC\ASCE(2.4.1.6)WX1	26	19		-4.31	-0.22	1.49	-59.05	-9.39	0.00
Min Fz	MC\ASCE(2.4.1.6)WX1	26	19		-4.31	0.17	-1.33	-40.33	-4.28	0.00
Max Mx	MC\ASCE(2.4.1.7)WY1	34	19		0.22	0.23	-0.43	13.88	11.24	0.00
Min Mx	MC\ASCE(2.4.1.7)WX1	32	19		-0.32	0.25	-0.85	-25.42	-7.73	0.00
Max My	MC\ASCE(2.4.1.5)WX1	20	22		-0.79	0.25	-0.86	33.43	7.24	0.00
Min My	MC\ASCE(2.4.1.6)WX1	26	19		-4.31	-0.22	1.49	-59.05	-9.39	0.00
Max Mz	MC\ASCE(2.4.1.5)WX1	20	22		-0.79	-0.29	0.77	23.71	12.00	0.00
Min Mz	MC\ASCE(2.4.1.5)WX1	20	19		0.84	0.29	-0.75	-23.19	-11.84	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	StransB (in <sup>3</sup> )	StransT (in <sup>4</sup> )	Oa	Ea (ksi)
Max Fx	20	z	0.84	6.96	32.66	2.23	6.15	3.08	3.08	1.00	25.53
Min Fx	19	z	-5.81	2.15	29.81	2.23	6.15	3.08	3.08	1.00	25.53
Max Fy	20	z	0.84	11.84	23.19	2.23	6.15	3.08	3.08	1.00	25.53
Min Fy	20	z	-0.79	12.00	23.71	2.23	6.15	3.08	3.08	1.00	25.53
Max Fz	26	z	-4.31	9.39	59.05	2.22	5.78	2.90	2.88	1.00	25.44
Min Fz	26	z	-4.31	4.28	40.33	2.23	6.15	3.08	3.08	1.00	25.53
Max Mx	34	z	0.22	11.24	13.88	2.23	6.15	3.08	3.08	1.00	25.53
Min Mx	32	z	-0.32	7.73	25.42	2.23	6.15	3.08	3.08	1.00	25.53
Max My	20	z	-0.79	7.24	33.43	2.23	6.15	3.08	3.08	1.00	25.53
Min My	26	z	-4.31	9.39	59.05	2.22	5.78	2.90	2.88	1.00	25.44
Max Mz	20	z	-0.79	12.00	23.71	2.23	6.15	3.08	3.08	1.00	25.53
Min Mz	20	z	0.84	11.84	23.19	2.23	6.15	3.08	3.08	1.00	25.53

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fbv</u>	<u>Fbv</u>	<u>fbz</u>	<u>Fbz</u>	<u>F'ev</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.5)WX1	0.38	10.55	8.57	27.60	2.26	27.60	10.55	220.50	0.43	0.00	True
Min Fx	MC ASCE(2.4.1.3)S	2.61	25.53	7.82	27.60	0.70	27.60	10.55	220.50	0.41	0.00	True
Max Fy	MC ASCE(2.4.1.5)WX1	0.38	10.55	6.09	27.60	3.84	27.60	10.55	220.50	0.40	0.00	True
Min Fy	MC ASCE(2.4.1.5)WX1	0.35	25.53	6.22	27.60	3.90	27.60	10.55	220.50	0.38	0.00	True
Max Fz	MC ASCE(2.4.1.6)WX1	1.93	25.44	15.50	27.60	3.26	27.60	10.55	220.50	0.76	0.00	True
Min Fz	MC ASCE(2.4.1.6)WX1	1.93	25.53	10.59	27.60	1.39	27.60	10.55	220.50	0.51	0.00	True
Max Mx	MC ASCE(2.4.1.7)WY1	0.10	10.55	3.64	27.60	3.65	27.60	10.55	220.50	0.27	0.00	True
Min Mx	MC ASCE(2.4.1.7)WX1	0.14	25.53	6.67	27.60	2.51	27.60	10.55	220.50	0.34	0.00	True
Max My	MC ASCE(2.4.1.5)WX1	0.35	25.53	8.77	27.60	2.35	27.60	10.55	220.50	0.42	0.00	True
Min My	MC ASCE(2.4.1.6)WX1	1.93	25.44	15.50	27.60	3.26	27.60	10.55	220.50	0.76	0.00	True
Max Mz	MC ASCE(2.4.1.5)WX1	0.35	25.53	6.22	27.60	3.90	27.60	10.55	220.50	0.38	0.00	True
Min Mz	MC ASCE(2.4.1.5)WX1	0.38	10.55	6.09	27.60	3.84	27.60	10.55	220.50	0.40	0.00	True

CONNECTION DESIGN

**TB3 I end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	4.00	<b>Width (in)</b>	4.00	<b>Bolt Size (in)</b>	0.75	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

<u>Label</u>	<u>C. Name</u>	<u>C. Num</u>	<u>Rbt. Bar Num.</u>	<u>Location</u>	<u>Fx (K)</u>	<u>Fy (K)</u>	<u>Fz (K)</u>	<u>My (K-in)</u>	<u>Mz (K-in)</u>	<u>Allow. Increase</u>
Max Fx	MC ASCE(2.4.1.5)WX1	20	19		1.084	-0.24	0.84	-32.66	-6.96	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	22		-5.81	-0.02	1.08	-42.90	-2.29	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	22		-0.79	0.25	-0.86	33.43	7.24	0.00
Min Fy	MC ASCE(2.4.1.7)WX1	32	19		-0.32	-0.28	0.96	-38.05	-10.37	0.00
Max Fz	MC ASCE(2.4.1.6)WX1	26	19		-4.31	-0.22	1.49	-59.05	-9.39	0.00
Min Fz	MC ASCE(2.4.1.5)WX1	20	22		-0.79	0.25	-0.86	33.43	7.24	0.00
Max Mx	MC ASCE(2.4.1.7)WY1	34	19		0.22	0.23	-0.43	13.88	11.24	0.00
Min Mx	MC ASCE(2.4.1.7)WX1	32	19		-0.32	-0.28	0.96	-38.05	-10.37	0.00
Max My	MC ASCE(2.4.1.5)WX1	20	22		-0.79	0.25	-0.86	33.43	7.24	0.00
Min My	MC ASCE(2.4.1.6)WX1	26	19		-4.31	-0.22	1.49	-59.05	-9.39	0.00
Max Mz	MC ASCE(2.4.1.7)WY1	34	19		0.22	0.23	-0.43	13.88	11.24	0.00
Min Mz	MC ASCE(2.4.1.5)WY2	23	22		-2.48	-0.24	0.78	-28.43	-11.55	0.00

End Plate Connection Results

<u>Label</u>	<u>C. Num</u>	<u>Fh</u>	<u>Fv</u>	<u>My</u>	<u>Tu(Ksi)</u>		<u>Vu(Ksi)</u>		<u>Req. Size(in)</u>	<u>Mu(K-in)</u>	<u>Reqd. T(in)</u>	<u>Act. T(in)</u>	<u>Che</u>
					<u>Bolt Weld</u>	<u>Bolt Weld</u>	<u>Tn(Ksi)</u>	<u>Vn(Ksi)</u>					
Max Fx	20	0.84	0.87	32.66	18.77	0.99	43.95	21.00	0.49	0.36	0.24	0.38	True
					8.83	0.35	21.00	21.00	0.05		0.00	0.00	
Min Fx	19	-5.81	1.08	42.90	24.87	1.22	43.93	21.00	0.56	0.48	0.28	0.38	True
					12.49	0.43	21.00	21.00	0.07		0.00	0.00	
Max Fy	20	-0.79	0.90	33.43	20.21	1.01	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.73	-0.36	21.00	21.00	0.06		0.00	0.00	
Min Fy	32	-0.32	1.00	38.05	23.83	1.13	43.94	21.00	0.55	0.46	0.27	0.38	True
					11.42	-0.40	21.00	21.00	0.07		0.00	0.00	
Max Fz	26	-4.31	1.51	59.05	35.52	1.70	43.85	21.00	0.67	0.69	0.33	0.38	True
					17.42	0.60	21.00	21.00	0.10		0.00	0.00	
Min Fz	20	-0.79	0.90	33.43	20.21	1.01	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.73	0.36	21.00	21.00	0.06		0.00	0.00	
Max Mx	34	0.22	0.49	13.88	12.53	0.55	43.98	21.00	0.40	0.24	0.20	0.38	True
					6.07	0.20	21.00	21.00	0.04		0.00	0.00	
Min Mx	32	-0.32	1.00	38.05	23.83	1.13	43.94	21.00	0.55	0.46	0.27	0.38	True
					11.42	0.40	21.00	21.00	0.07		0.00	0.00	
Max My	20	-0.79	0.90	33.43	20.21	1.01	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.73	-0.36	21.00	21.00	0.06		0.00	0.00	
Min My	26	-4.31	1.51	59.05	35.52	1.70	43.85	21.00	0.67	0.69	0.33	0.38	True
					17.42	0.60	21.00	21.00	0.10		0.00	0.00	
Max Mz	34	0.22	0.49	13.88	12.53	0.55	43.98	21.00	0.40	0.24	0.20	0.38	True
					6.07	0.20	21.00	21.00	0.04		0.00	0.00	
Min Mz	23	-2.48	0.82	28.43	21.13	0.92	43.96	21.00	0.52	0.41	0.26	0.38	True
					10.46	0.33	21.00	21.00	0.06		0.00	0.00	

CONNECTION DESIGN

**TB3 J end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	5.66	<b>Width (in)</b>	6.00	<b>Bolt Size (in)</b>	0.75	Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.5)WX1	20	19		5.084	0.29	-0.75	-23.19	-11.84	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	22		-5.81	-0.02	-0.97	-29.81	2.15	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	19		5.084	0.29	-0.75	-23.19	-11.84	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	22		-5.79	-0.29	0.77	23.71	12.00	0.00
Max Fz	MC ASCE(2.4.1.5)WX1	20	22		-5.79	-0.29	0.77	23.71	12.00	0.00
Min Fz	MC ASCE(2.4.1.6)WX1	26	19		-4.31	0.17	-1.33	-40.33	-4.28	0.00
Max Mx	MC ASCE(2.4.1.7)WY1	34	19		5.022	-0.15	0.48	19.41	1.96	0.00
Min Mx	MC ASCE(2.4.1.7)WX1	32	19		-5.32	0.25	-0.85	-25.42	-7.73	0.00
Max My	MC ASCE(2.4.1.5)WX1	20	22		-5.79	-0.29	0.77	23.71	12.00	0.00
Min My	MC ASCE(2.4.1.6)WX1	26	19		-4.31	0.17	-1.33	-40.33	-4.28	0.00
Max Mz	MC ASCE(2.4.1.5)WX1	20	22		-5.79	-0.29	0.77	23.71	12.00	0.00
Min Mz	MC ASCE(2.4.1.5)WX1	20	19		5.084	0.29	-0.75	-23.19	-11.84	0.00

End Plate Connection Results

Label	C. Num	Fh	Fv	My	Tu(Ksi)	Vu(Ksi)	Tn(Ksi)	Vn(Ksi)	Req. Size(in)	Mu(K-in)	Rqd. T(in)	Act. T(in)	Che
					Bolt Weld	Plate	Plate	Plate					
Max Fx	20	0.80	0.84	23.19	15.61	0.96	43.95	21.00	0.45	0.27	0.21	0.38	True
					5.89	0.29	21.00	21.00	0.04		0.00	0.00	
Min Fx	19	-4.12	4.21	-29.81	17.72	4.76	42.85	21.00	0.48	0.31	0.22	0.38	True
					7.14	1.44	21.00	21.00	0.04		0.00	0.00	
Max Fy	20	0.80	0.84	23.19	15.61	0.96	43.95	21.00	0.45	0.27	0.21	0.38	True
					5.89	0.29	21.00	21.00	0.04		0.00	0.00	
Min Fy	20	-0.76	0.85	23.71	16.81	0.96	43.95	21.00	0.46	0.29	0.22	0.38	True
					6.55	0.29	21.00	21.00	0.04		0.00	0.00	
Max Fz	20	-0.76	0.85	23.71	16.81	0.96	43.95	21.00	0.46	0.29	0.22	0.38	True
					6.55	0.29	21.00	21.00	0.04		0.00	0.00	
Min Fz	26	-2.93	3.44	-40.33	23.02	3.89	43.24	21.00	0.55	0.40	0.25	0.38	True
					8.87	1.18	21.00	21.00	0.05		0.00	0.00	
Max Mx	34	0.05	0.55	19.41	10.21	0.62	43.98	21.00	0.36	0.18	0.17	0.38	True
					3.72	0.19	21.00	21.00	0.02		0.00	0.00	
Min Mx	32	-0.05	0.94	-25.42	15.52	1.06	43.94	21.00	0.45	0.27	0.21	0.38	True
					5.84	0.32	21.00	21.00	0.03		0.00	0.00	
Max My	20	-0.76	0.85	23.71	16.81	0.96	43.95	21.00	0.46	0.29	0.22	0.38	True
					6.55	0.29	21.00	21.00	0.04		0.00	0.00	
Min My	26	-2.93	3.44	-40.33	23.02	3.89	43.24	21.00	0.55	0.40	0.25	0.38	True
					8.87	1.18	21.00	21.00	0.05		0.00	0.00	
Max Mz	20	-0.76	0.85	23.71	16.81	0.96	43.95	21.00	0.46	0.29	0.22	0.38	True
					6.55	0.29	21.00	21.00	0.04		0.00	0.00	
Min Mz	20	0.80	0.84	23.19	15.61	0.96	43.95	21.00	0.45	0.27	0.21	0.38	True
					5.89	0.29	21.00	21.00	0.04		0.00	0.00	

MEMBER DESIGN

**TB4 Tie Beam**

Title: TB4  
 Count: 2  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 18.66  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS6X4X0.125  
 Depth (in) 6.00  
 Width (in) 4.00  
 Nominal Thickness (in) 0.13  
 Design Thickness (in) 0.12  
 Area (in<sup>2</sup>) 2.23  
 MOI Strong (in<sup>4</sup>) 11.40  
 MOI weak (in<sup>4</sup>) 6.15  
 Section Mod. Strong (in<sup>3</sup>) 3.81  
 Section Mod. Weak (in<sup>3</sup>) 3.08  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC\ASCE(2.4.1.5)WX1	20	23		1.080	-0.27	0.80	-29.89	-9.66	0.00
Min Fx	MC\ASCE(2.4.1.3)S	19	24		-5.59	0.00	-1.02	-37.98	-0.42	0.00
Max Fy	MC\ASCE(2.4.1.5)WX1	20	23		5.080	0.27	-0.80	-29.89	-9.66	0.00
Min Fy	MC\ASCE(2.4.1.5)WX1	20	24		-0.75	-0.27	0.81	30.57	9.89	0.00
Max Fz	MC\ASCE(2.4.1.6)WX1	26	23		-4.15	-0.20	1.41	-52.42	-7.63	0.00
Min Fz	MC\ASCE(2.4.1.6)WX1	26	23		-4.15	0.20	-1.41	-52.42	-7.63	0.00
Max Mx	MC\ASCE(2.4.1.5)WY1	22	23		-0.35	0.22	-0.34	9.77	9.86	0.00
Min Mx	MC\ASCE(2.4.1.7)WY1	34	24		5.021	-0.22	0.42	12.67	9.90	0.00
Max My	MC\ASCE(2.4.1.5)WX1	20	24		-0.75	0.27	-0.81	30.57	9.89	0.00
Min My	MC\ASCE(2.4.1.6)WX1	26	23		-4.15	0.20	-1.41	-52.42	-7.63	0.00
Max Mz	MC\ASCE(2.4.1.7)WY1	34	23		1.021	0.22	-0.42	12.67	9.90	0.00
Min Mz	MC\ASCE(2.4.1.7)WX1	32	23		-0.30	0.26	-0.91	-33.84	-9.78	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	StransB (in <sup>3</sup> )	StransT (in <sup>4</sup> )	Oa	Fa (ksi)
Max Fx	20	z	0.80	9.66	29.89	2.23	6.15	3.08	3.08	1.00	25.53
Min Fx	19	z	-5.59	0.42	37.98	2.23	6.15	3.08	3.08	1.00	25.53
Max Fy	20	z	0.80	9.66	29.89	2.23	6.15	3.08	3.08	1.00	25.53
Min Fy	20	z	-0.75	9.89	30.57	2.23	6.15	3.08	3.08	1.00	25.53
Max Fz	26	z	-4.15	7.63	52.42	2.23	6.15	3.08	3.08	1.00	25.53
Min Fz	26	z	-4.15	7.63	52.42	2.23	6.15	3.08	3.08	1.00	25.53
Max Mx	22	z	-0.35	9.86	9.77	2.23	6.15	3.08	3.08	1.00	25.53
Min Mx	34	z	0.21	9.90	12.67	2.23	6.15	3.08	3.08	1.00	25.53
Max My	20	z	-0.75	9.89	30.57	2.23	6.15	3.08	3.08	1.00	25.53
Min My	26	z	-4.15	7.63	52.42	2.23	6.15	3.08	3.08	1.00	25.53
Max Mz	34	z	0.21	9.90	12.67	2.23	6.15	3.08	3.08	1.00	25.53
Min Mz	32	z	-0.30	9.78	33.84	2.23	6.15	3.08	3.08	1.00	25.53

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fbv</u>	<u>Fbv</u>	<u>fbz</u>	<u>Fbz</u>	<u>F'ev</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.5)WX1	0.36	10.56	7.85	27.60	3.14	27.60	10.56	220.50	0.43	0.00	True
Min Fx	MC ASCE(2.4.1.3)S	2.51	25.53	9.97	27.60	0.14	27.60	10.56	220.50	0.46	0.00	True
Max Fy	MC ASCE(2.4.1.5)WX1	0.36	10.56	7.85	27.60	3.14	27.60	10.56	220.50	0.43	0.00	True
Min Fy	MC ASCE(2.4.1.5)WX1	0.34	25.53	8.02	27.60	3.21	27.60	10.56	220.50	0.42	0.00	True
Max Fz	MC ASCE(2.4.1.6)WX1	1.86	25.53	13.76	27.60	2.48	27.60	10.56	220.50	0.66	0.00	True
Min Fz	MC ASCE(2.4.1.6)WX1	1.86	25.53	13.76	27.60	2.48	27.60	10.56	220.50	0.66	0.00	True
Max Mx	MC ASCE(2.4.1.5)WY1	0.16	25.53	2.56	27.60	3.20	27.60	10.56	220.50	0.22	0.00	True
Min Mx	MC ASCE(2.4.1.7)WY1	0.09	10.56	3.33	27.60	3.21	27.60	10.56	220.50	0.25	0.00	True
Max My	MC ASCE(2.4.1.5)WX1	0.34	25.53	8.02	27.60	3.21	27.60	10.56	220.50	0.42	0.00	True
Min My	MC ASCE(2.4.1.6)WX1	1.86	25.53	13.76	27.60	2.48	27.60	10.56	220.50	0.66	0.00	True
Max Mz	MC ASCE(2.4.1.7)WY1	0.09	10.56	3.33	27.60	3.21	27.60	10.56	220.50	0.25	0.00	True
Min Mz	MC ASCE(2.4.1.7)WX1	0.13	25.53	8.88	27.60	3.18	27.60	10.56	220.50	0.44	0.00	True

CONNECTION DESIGN

**TB4 I end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	4.00	<b>Width (in)</b>	4.00	<b>Bolt Size (in)</b>	0.75	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

<u>Label</u>	<u>C. Name</u>	<u>C. Num</u>	<u>Rbt. Bar Num.</u>	<u>Location</u>	<u>Fx (K)</u>	<u>Fy (K)</u>	<u>Fz (K)</u>	<u>My (K-in)</u>	<u>Mz (K-in)</u>	<u>Allow. Increase</u>
Max Fx	MC ASCE(2.4.1.5)WX1	20	23		1.080	-0.27	0.80	-29.89	-9.66	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	24		-5.59	0.00	1.02	-37.98	-0.42	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	24		-0.75	0.27	-0.81	30.57	9.89	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	23		0.80	-0.27	0.80	-29.89	-9.66	0.00
Max Fz	MC ASCE(2.4.1.6)WX1	26	23		-4.15	-0.20	1.41	-52.42	-7.63	0.00
Min Fz	MC ASCE(2.4.1.5)WX1	20	24		-0.75	0.27	-0.81	30.57	9.89	0.00
Max Mx	MC ASCE(2.4.1.5)WY1	22	23		-0.35	0.22	-0.34	9.77	9.86	0.00
Min Mx	MC ASCE(2.4.1.7)WY1	34	24		0.21	0.17	-0.50	21.23	4.51	0.00
Max My	MC ASCE(2.4.1.5)WX1	20	24		-0.75	0.27	-0.81	30.57	9.89	0.00
Min My	MC ASCE(2.4.1.6)WX1	26	23		-4.15	-0.20	1.41	-52.42	-7.63	0.00
Max Mz	MC ASCE(2.4.1.7)WY1	34	23		0.21	0.22	-0.42	12.67	9.90	0.00
Min Mz	MC ASCE(2.4.1.7)WX1	32	23		-0.30	-0.26	0.91	-33.84	-9.78	0.00

End Plate Connection Results

<u>Label</u>	<u>C. Num</u>	<u>Fh</u>	<u>Fv</u>	<u>My</u>	<u>Tu(Ksi)</u>		<u>Vu(Ksi)</u>		<u>Req. Size(in)</u>	<u>Mu(K-in)</u>	<u>Req. T(in)</u>	<u>Act. T(in)</u>	<u>Che</u>
					<u>Bolt Weld</u>	<u>Bolt Weld</u>	<u>Bolt Weld</u>	<u>Bolt Weld</u>					
Max Fx	20	0.80	0.84	29.89	18.94	0.96	43.95	21.00	0.49	0.37	0.24	0.38	True
					8.96	0.34	21.00	21.00	0.05		0.00	0.00	
Min Fx	19	-5.59	1.02	37.98	21.40	1.15	43.93	21.00	0.52	0.42	0.26	0.38	True
					10.80	0.41	21.00	21.00	0.06		0.00	0.00	
Max Fy	20	-0.75	0.85	30.57	20.26	0.97	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.80	0.34	21.00	21.00	0.06		0.00	0.00	
Min Fy	20	0.80	0.84	29.89	18.94	0.96	43.95	21.00	0.49	0.37	0.24	0.38	True
					8.96	0.34	21.00	21.00	0.05		0.00	0.00	
Max Fz	26	-4.15	1.42	52.42	31.33	1.61	43.87	21.00	0.63	0.61	0.31	0.38	True
					15.40	0.57	21.00	21.00	0.09		0.00	0.00	
Min Fz	20	-0.75	0.85	30.57	20.26	0.97	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.80	0.34	21.00	21.00	0.06		0.00	0.00	
Max Mx	22	-0.35	0.40	9.77	10.16	0.46	43.99	21.00	0.36	0.20	0.18	0.38	True
					5.00	0.16	21.00	21.00	0.03		0.00	0.00	
Min Mx	34	0.21	0.53	21.23	12.39	0.60	43.98	21.00	0.40	0.24	0.20	0.38	True
					5.87	0.21	21.00	21.00	0.03		0.00	0.00	
Max My	20	-0.75	0.85	30.57	20.26	0.97	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.80	0.34	21.00	21.00	0.06		0.00	0.00	
Min My	26	-4.15	1.42	52.42	31.33	1.61	43.87	21.00	0.63	0.61	0.31	0.38	True
					15.40	0.57	21.00	21.00	0.09		0.00	0.00	
Max Mz	34	0.21	0.47	12.67	11.24	0.54	43.99	21.00	0.38	0.22	0.19	0.38	True
					5.43	0.19	21.00	21.00	0.03		0.00	0.00	
Min Mz	32	-0.30	0.95	33.84	21.50	1.07	43.94	21.00	0.52	0.42	0.26	0.38	True
					10.31	0.38	21.00	21.00	0.06		0.00	0.00	

CONNECTION DESIGN

**TB4 J end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>		0.13
	<b>Width of cut (in)</b>	4.00	<b>Width (in)</b>	4.00	<b>Bolt Size (in)</b>	0.75	<b>Weld T</b>	Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50		
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00		
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00		
			<b>Fy (ksi)</b>	50.00				

Design Envelope

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>My (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.5)WX1	20	23		5.080	0.27	-0.80	-29.89	-9.66	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	24		5-5.59	0.00	-1.02	-37.98	-0.42	0.00
Max Fy	MC ASCE(2.4.1.5)WX1	20	23		5.080	0.27	-0.80	-29.89	-9.66	0.00
Min Fy	MC ASCE(2.4.1.5)WX1	20	24		5-0.75	-0.27	0.81	30.57	9.89	0.00
Max Fz	MC ASCE(2.4.1.5)WX1	20	24		5-0.75	-0.27	0.81	30.57	9.89	0.00
Min Fz	MC ASCE(2.4.1.6)WX1	26	23		5-4.15	0.20	-1.41	-52.42	-7.63	0.00
Max Mx	MC ASCE(2.4.1.5)WY1	22	23		5-0.35	-0.17	0.42	18.34	4.47	0.00
Min Mx	MC ASCE(2.4.1.7)WY1	34	24		5.021	-0.22	0.42	12.67	9.90	0.00
Max My	MC ASCE(2.4.1.5)WX1	20	24		5-0.75	-0.27	0.81	30.57	9.89	0.00
Min My	MC ASCE(2.4.1.6)WX1	26	23		5-4.15	0.20	-1.41	-52.42	-7.63	0.00
Max Mz	MC ASCE(2.4.1.7)WY1	34	24		5.021	-0.22	0.42	12.67	9.90	0.00
Min Mz	MC ASCE(2.4.1.7)WX1	32	23		5-0.30	0.26	-0.91	-33.84	-9.78	0.00

End Plate Connection Results

<b>Label</b>	<b>C. Num</b>	<b>Fh</b>	<b>Fv</b>	<b>My</b>	<b>Tu(Ksi)</b>		<b>Vu(Ksi)</b>		<b>Req. Size(in)</b>	<b>Mu(K-in)</b>	<b>Reqd. T(in)</b>	<b>Act. T(in)</b>	<b>Che</b>
					<b>Bolt Weld</b>	<b>Bolt Weld</b>	<b>Tn(Bolt)</b>	<b>Vn(Bolt)</b>					
Max Fx	20	0.80	0.84	29.89	18.94	0.96	43.95	21.00	0.49	0.37	0.24	0.38	True
					8.96	0.34	21.00	21.00	0.05		0.00	0.00	
Min Fx	19	-5.59	1.02	37.98	21.40	1.15	43.93	21.00	0.52	0.42	0.26	0.38	True
					10.80	0.41	21.00	21.00	0.06		0.00	0.00	
Max Fy	20	0.80	0.84	29.89	18.94	0.96	43.95	21.00	0.49	0.37	0.24	0.38	True
					8.96	0.34	21.00	21.00	0.05		0.00	0.00	
Min Fy	20	-0.75	0.85	30.57	20.26	0.97	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.80	0.34	21.00	21.00	0.06		0.00	0.00	
Max Fz	20	-0.75	0.85	30.57	20.26	0.97	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.80	0.34	21.00	21.00	0.06		0.00	0.00	
Min Fz	26	-4.15	1.42	52.42	31.33	1.61	43.87	21.00	0.63	0.61	0.31	0.38	True
					15.40	0.57	21.00	21.00	0.09		0.00	0.00	
Max Mx	22	-0.35	0.45	18.34	11.31	0.51	43.99	21.00	0.38	0.22	0.19	0.38	True
					5.44	0.18	21.00	21.00	0.03		0.00	0.00	
Min Mx	34	0.21	0.47	12.67	11.24	0.54	43.99	21.00	0.38	0.22	0.19	0.38	True
					5.43	0.19	21.00	21.00	0.03		0.00	0.00	
Max My	20	-0.75	0.85	30.57	20.26	0.97	43.95	21.00	0.51	0.39	0.25	0.38	True
					9.80	0.34	21.00	21.00	0.06		0.00	0.00	
Min My	26	-4.15	1.42	52.42	31.33	1.61	43.87	21.00	0.63	0.61	0.31	0.38	True
					15.40	0.57	21.00	21.00	0.09		0.00	0.00	
Max Mz	34	0.21	0.47	12.67	11.24	0.54	43.99	21.00	0.38	0.22	0.19	0.38	True
					5.43	0.19	21.00	21.00	0.03		0.00	0.00	
Min Mz	32	-0.30	0.95	33.84	21.50	1.07	43.94	21.00	0.52	0.42	0.26	0.38	True
					10.31	0.38	21.00	21.00	0.06		0.00	0.00	



## Multi-Rib

Bare Galvalume & Painted Galvalume



SECTION PROPERTIES						TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (ksi)	WEIGHT (psf)	V <sub>a</sub> (kip/ft.)	P <sub>a, end</sub> (lbs/ft.)	P <sub>a, int</sub> (lbs/ft.)	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>x</sub> (in. <sup>3</sup> /ft.)	M <sub>x</sub> (kip-in./ft.)	I <sub>y</sub> (in. <sup>4</sup> /ft.)	S <sub>y</sub> (in. <sup>3</sup> /ft.)	M <sub>y</sub> (kip-in./ft.)
24	50.0	1.10	0.7727	235.0	320.8	0.050	0.055	1.375	0.029	0.046	1.148

1. Section properties are calculated in accordance with the 2016 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V<sub>a</sub> is the allowable shear.
3. P<sub>a</sub> is the allowable load for web crippling on end & interior supports.
4. I<sub>x</sub> is for deflection determination.
5. S<sub>x</sub> is for bending.
6. M<sub>x</sub> is the allowable bending moment.
7. All values are for one foot of panel width.

### Allowable Uniform Loads (PSF)

Span Type	Load Type	Span in Feet															
		1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
Single	Positive Wind	407	229	146	101	74	57	45	36	30	25	21	18	16	14	12	11
	Negative Wind	340	191	122	85	62	47	37	30	25	21	18	15	13	11	10	9
	Live	407	229	146	101	74	57	45	36	30	25	21	18	16	14	12	11
	Deflection (L/180)	500	500	279	161	101	68	47	34	26	20	15	12	10	8	7	5
	Deflection (L/240)	500	408	209	121	76	51	35	28	19	15	11	9	7	6	5	4
2 Span	Positive Wind	314	182	118	83	61	47	37	30	25	21	18	15	13	11	10	9
	Negative Wind	365	214	140	98	73	56	44	36	30	25	21	18	16	14	12	11
	Live	314	182	118	83	61	47	37	30	25	21	18	15	13	11	10	9
	Deflection (L/180)	500	500	500	309	194	130	91	66	50	38	30	24	19	16	13	11
	Deflection (L/240)	500	500	400	231	146	97	68	50	37	28	22	18	14	12	10	8
3 Span	Positive Wind	380	224	146	103	76	58	46	37	31	26	22	19	16	14	13	11
	Negative Wind	438	261	172	122	90	68	55	45	37	31	26	23	20	17	15	14
	Live	380	224	146	103	76	58	46	37	31	26	22	19	16	14	13	11
	Deflection (L/180)	500	500	418	242	152	102	71	52	39	30	23	19	15	12	10	8
	Deflection (L/240)	500	500	314	181	114	76	53	39	29	22	17	14	11	8	7	6
4 Span	Positive Wind	359	210	137	96	71	54	43	35	29	24	21	18	15	13	12	10
	Negative Wind	414	246	162	114	84	65	51	42	34	29	25	21	18	16	14	13
	Live	359	210	137	96	71	54	43	35	29	24	21	18	15	13	12	10
	Deflection (L/180)	500	500	444	257	161	108	76	55	41	32	25	20	16	13	11	9
	Deflection (L/240)	500	500	333	192	121	81	57	41	31	24	18	15	12	10	8	7

- Notes:
1. Allowable uniform loads are based upon equal span lengths.
  2. Live is the allowable live or snow load.
  3. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
  4. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
  5. The weight of the panel has NOT been deducted from the allowable loads.
  6. Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. H2-1 of the AISI Specification
  7. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
  8. Web crippling values are determined using a ratio of the uniform load actually supported by the top flanges of the section.
  9. Load Tables are limited to a maximum allowable load of 500 psf.

**TITLE PAGE**

Project: RH25X60-10M-P4-20-105-33

Author :

Autodesk Robot Structural Analysis Professional 2021  
Author: File: RH25X60-10M-P4-20-105-33.rvt  
Address: Project: RH25X60-10M-P4-20-105-33

**Structure view**



Date: 31/05/24 Page: 2

Autodesk Robot Structural Analysis Professional 2021  
 File: P:\05X60-10M-P4-20-105-33.rvt  
 Project: P:\05X60-10M-P4-20-105-33  
 Author:  
 Address:

**Section properties:**

**HSSO 6x6x0.1875**  
  
 HY=6.00, HZ=6.00 [in]  
 AX=3.990 [m2]  
 IX=35.000, IY=22.300, IZ=22.300 [in4]  
 Material=STEEL

**HSSO 5x5x0.125**  
  
 HY=5.00, HZ=5.00 [in]  
 AX=2.230 [m2]  
 IX=13.700, IY=8.800, IZ=8.800 [in4]  
 Material=STEEL

**HSSO 6x5x0.1875**  
  
 HY=5.00, HZ=5.00 [in]  
 AX=3.280 [m2]  
 IX=19.900, IY=12.600, IZ=12.600 [in4]  
 Material=STEEL

**HSRE 6x3x0.125**

Date: 3/10/2024 Page: 3

Autodesk Robot Structural Analysis Professional 2021  
 File: P:\05X60-10M-P4-20-105-33.rvt  
 Project: P:\05X60-10M-P4-20-105-33  
 Author:  
 Address:

**HSRE 6x4x0.125**  
  
 HY=3.00, HZ=6.00 [in]  
 AX=2.000 [m2]  
 IX=7.730, IY=9.430, IZ=3.230 [in4]  
 Material=STEEL

**HSRE 6x4x0.125**  
  
 HY=4.00, HZ=6.00 [in]  
 AX=2.230 [m2]  
 IX=12.600, IY=11.400, IZ=6.150 [in4]  
 Material=STEEL

Date: 3/10/2024 Page: 4

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-PA-20-105-33.rtd  
 Project: RH25X60-10M-PA-20-105-33  
 Author:  
 Address:

**Bars**

Bar	Node1	Node2	Section	Material	Length (ft)	Gamma (Deg)	Type	Structure object
1	1	9	HSS2 0x 6.0 1875	STEEL	11.00	225.0	Simple bar	Bar
2	2	10	HSS2 0x 6.0 1875	STEEL	11.00	315.0	Simple bar	Bar
3	7	15	HSS2 0x 6.0 1875	STEEL	11.00	135.0	Simple bar	Bar
4	8	16	HSS2 0x 6.0 1875	STEEL	11.00	45.0	Simple bar	Bar
5	3	11	HSS2 0x 6.0 1875	STEEL	11.00	187.0	Simple bar	Bar
6	4	12	HSS2 0x 6.0 1875	STEEL	11.00	0.0	Simple bar	Bar
7	5	13	HSS2 0x 6.0 1875	STEEL	11.00	180.0	Simple bar	Bar
8	6	14	HSS2 0x 6.0 1875	STEEL	11.00	0.0	Simple bar	Bar
9	2	26	HSS2 0x 6.0 1875	STEEL	15.26	0.0	Simple bar	Bar
10	10	26	HSS2 0x 6.0 1875	STEEL	15.26	0.0	Simple bar	Bar
11	15	26	HSS2 0x 6.0 1875	STEEL	15.26	0.0	Simple bar	Bar
12	18	28	HSS2 0x 6.0 1875	STEEL	15.26	0.0	Simple bar	Bar
13	11	26	HSS2 0x 6.0 1875	STEEL	11.07	0.0	Simple bar	Bar
14	12	26	HSS2 0x 6.0 1875	STEEL	11.07	0.0	Simple bar	Bar
15	15	27	HSS2 0x 6.0 1875	STEEL	11.07	0.0	Simple bar	Bar
16	14	27	HSS2 0x 6.0 1875	STEEL	11.07	0.0	Simple bar	Bar
17	9	10	HSRE 0x 4x0 125	STEEL	21.00	0.0	Simple bar	Bar
18	16	15	HSRE 0x 4x0 125	STEEL	21.00	0.0	Simple bar	Bar
19	11	9	HSRE 0x 4x0 125	STEEL	16.67	0.0	Simple bar	Bar
20	10	12	HSRE 0x 4x0 125	STEEL	16.67	0.0	Simple bar	Bar
21	15	13	HSRE 0x 4x0 125	STEEL	16.67	0.0	Simple bar	Bar
22	14	16	HSRE 0x 4x0 125	STEEL	16.67	0.0	Simple bar	Bar
23	13	11	HSRE 0x 4x0 125	STEEL	16.67	0.0	Simple bar	Bar
24	12	14	HSRE 0x 4x0 125	STEEL	16.67	0.0	Simple bar	Bar

Date: 3/10/2024 Page: 5

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-PA-20-105-33.rtd  
 Project: RH25X60-10M-PA-20-105-33  
 Author:  
 Address:

Bar	Node1	Node2	Section	Material	Length (ft)	Gamma (Deg)	Type	Structure object
25	20	26	HSS2 0x 6.0 125	STEEL	8.17	0.0	Simple bar	Bar
26	26	27	HSS2 0x 6.0 125	STEEL	18.67	0.0	Simple bar	Bar
27	27	26	HSS2 0x 6.0 125	STEEL	8.17	0.0	Simple bar	Bar
28	17	18	HSS2 0x 6.0 1875	STEEL	10.50	18.4	Simple bar	Bar
29	24	23	HSS2 0x 6.0 1875	STEEL	10.50	18.4	Simple bar	Bar
30	19	17	HSS2 0x 6.0 1875	STEEL	13.42	18.4	Simple bar	Bar
31	18	20	HSS2 0x 6.0 1875	STEEL	13.42	18.4	Simple bar	Bar
32	23	21	HSS2 0x 6.0 1875	STEEL	13.42	18.4	Simple bar	Bar
33	22	24	HSS2 0x 6.0 1875	STEEL	13.42	18.4	Simple bar	Bar
34	21	19	HSS2 0x 6.0 1875	STEEL	18.67	18.4	Simple bar	Bar
35	20	22	HSS2 0x 6.0 1875	STEEL	18.67	18.4	Simple bar	Bar
36	3	25	HSRE 0x 3x0 125	STEEL	2.91	90.0	Simple bar	Bar
37	10	30	HSRE 0x 3x0 125	STEEL	2.91	90.0	Simple bar	Bar
38	16	31	HSRE 0x 3x0 125	STEEL	2.91	90.0	Simple bar	Bar
39	18	32	HSRE 0x 3x0 125	STEEL	2.91	90.0	Simple bar	Bar

Date: 3/10/2024 Page: 6

**Loads**

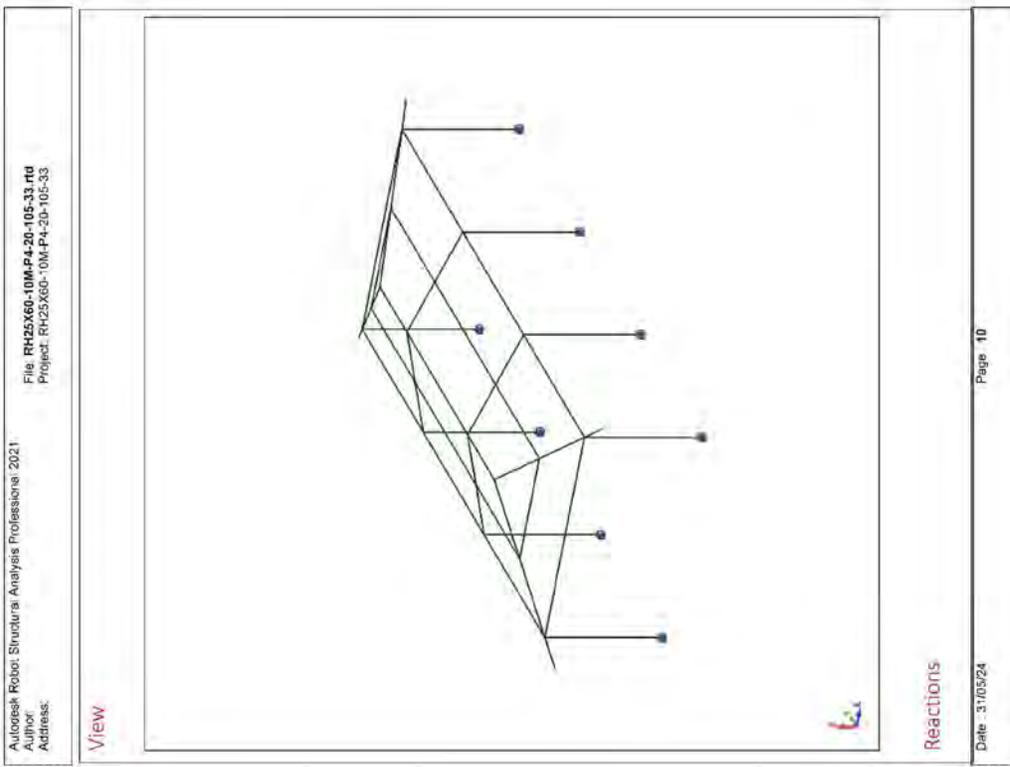
Case	Load type	List	Load values
1	self-weight	11559	PZ-Magnitude Factor= 1.0000
2	bar force	384031	PZ=2.000(N)X=0.50 relative
3	uniform load	17024	PZ=4.45(N/m)
4	uniform load	28025	PZ=5.90(N/m)
5	uniform load	28027	PZ=6.13(N/m)
6	nodal force	25	PZ=2.06(kN)
7	nodal force	26	PZ=2.06(kN)
8	bar force	384032	FZ=2.000(N)X=0.50 relative
9	uniform load	17024	PZ=4.45(N/m)
10	uniform load	28025	PZ=5.90(N/m)
11	uniform load	28027	PZ=6.13(N/m)
12	nodal force	25	PZ=2.06(kN)
13	nodal force	26	PZ=2.06(kN)
14	bar force	36336	FZ=2.000(N)X=0.50 Beta=-19.4(Deg) relative
15	uniform load	182123	FZ=4.45(N/m) Beta=-19.4(Deg)
16	uniform load	303234	FZ=6.32(N/m) Beta=-19.4(Deg)
17	uniform load	29427	FZ=2.15(N/m) Beta=-19.4(Deg)
18	bar force	3739	FZ=2.000(N)X=0.50 Beta=-19.4(Deg) relative
19	uniform load	202224	PZ=4.45(N/m) Beta=-19.4(Deg)
20	uniform load	313325	PZ=6.32(N/m) Beta=-19.4(Deg)
21	uniform load	29227	PZ=2.15(N/m) Beta=-19.4(Deg)
22	bar force	3637	FZ=2.000(N)X=0.50 Gamma=19.4(Deg) relative
23	uniform load	17	PZ=4.45(N/m) Gamma=19.4(Deg)
24	uniform load	25	PZ=6.32(N/m) Gamma=19.4(Deg)
25	bar force	3835	FZ=2.000(N)X=0.50 Gamma=-19.4(Deg) relative
26	uniform load	18	PZ=4.45(N/m) Gamma=-19.4(Deg)
27	uniform load	26	PZ=6.32(N/m) Gamma=-19.4(Deg)
28	bar force	38422	FZ=2.000(N)X=0.50 relative
29	uniform load	17024	PZ=4.45(N/m)
30	uniform load	28025	PZ=5.90(N/m)
31	uniform load	28027	PZ=6.13(N/m)
32	nodal force	25	PZ=2.06(kN)
33	nodal force	26	PZ=2.06(kN)

**Combinations**

Combinations	Name	Analysis type	Combination type	Case nature	Definition
10 (C)	SFD	Linear Combination	ULS	9993	1*1.0000+2*0.0000
11 (C)	SFB	Linear Combination	ULS	9994	2*0.0200
12 (C)	SWX1	Linear Combination	ULS	wind	4*-0.0190+5*0.0000+(6+7)*0.0180
13 (C)	SWX2	Linear Combination	ULS	wind	4*-0.0001+5*0.0167+(6+7)*0.0158
14 (C)	SWY1	Linear Combination	ULS	wind	(4+5)*0.0138+6*-0.0150+7*0.0020
15 (C)	SWY2	Linear Combination	ULS	wind	(4+5)*-0.0138+6*-0.0001+7*0.0167
16 (C)	SEK	Linear Combination	ULS	seismic	5*0.0006
17 (C)	SEV	Linear Combination	ULS	seismic	5*0.0006
18 (C)	MJASCEG4-1.1D	Linear Combination	ULS	wind	10*1.0000
19 (C)	MJASCEG4-1.2S	Linear Combination	ULS	wind	(10+11)*1.0000
20 (C)	MJASCEG4-1.5Wx1	Linear Combination	ULS	wind	(12+13)*1.0000
21 (C)	MJASCEG4-1.5Wx2	Linear Combination	ULS	wind	(10+13)*1.0000
22 (C)	MJASCEG4-1.5WY1	Linear Combination	ULS	seismic	(10+14)*1.0000
23 (C)	MJASCEG4-1.5WY2	Linear Combination	ULS	seismic	(10+15)*1.0000
24 (C)	MJASCEG4-1.6SEK	Linear Combination	ULS	9996	(10+15)*1.0000
25 (C)	MJASCEG4-1.6SEV	Linear Combination	ULS	wind	(10+17)*1.0000
26 (C)	MJASCEG4-1.6Wx1	Linear Combination	ULS	wind	10*1.0000+(13+11)*0.7600
27 (C)	MJASCEG4-1.6Wx2	Linear Combination	ULS	wind	10*1.0000+(13+11)*0.7600
28 (C)	MJASCEG4-1.6WY1	Linear Combination	ULS	seismic	10*1.0000+(13+11)*0.7600
29 (C)	MJASCEG4-1.6WY2	Linear Combination	ULS	seismic	10*1.0000+(13+11)*0.7600
30 (C)	MJASCEG4-1.6SEK	Linear Combination	ULS	seismic	10*1.0000+16*0.5550+17*0.7600
31 (C)	MJASCEG4-1.6SEV	Linear Combination	ULS	seismic	10*1.0000+17*0.5550+17*0.7600
32 (C)	MJASCEG4-1.7Wx1	Linear Combination	ULS	seismic	10*0.6000+12*1.0000
33 (C)	MJASCEG4-1.7Wx2	Linear Combination	ULS	seismic	10*0.6000+13*1.0000

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-P4-20-105-33

Combinations	Name	Analysis type	Combination type	Case nature	Definition
34 (C)	MCJASCE(2.4-1)WVY1	Linear Combination	U.L.S.	seismic	10*0.6000+14*1.0000
35 (C)	MCJASCE(2.4-1)WVZ	Linear Combination	U.L.S.	seismic	10*0.6000+15*1.0000
36 (C)	MCJASCE(2.4-1)JEX	Linear Combination	U.L.S.	seismic	10*0.6000+15*0.7000
37 (C)	MCJASCE(2.4-1)JEY	Linear Combination	U.L.S.	seismic	10*0.6000+17*0.7000
38 (C)	BJASCE(2.32-1)J	Linear Combination	U.L.S.	seismic	10*1.4000
39 (C)	BJASCE(2.32-2)S	Linear Combination	U.L.S.	seismic	10*1.2000+11*0.5000
40 (C)	BJASCE(2.32-3)WVX1	Linear Combination	U.L.S.	seismic	10*1.2000+11*1.6000+12*0.8000
41 (C)	BJASCE(2.32-3)WVZ	Linear Combination	U.L.S.	seismic	10*1.2000+11*1.6000+13*0.8000
42 (C)	BJASCE(2.32-3)WVY1	Linear Combination	U.L.S.	seismic	10*1.2000+11*1.6000+14*0.8000
43 (C)	BJASCE(2.32-3)WVY1	Linear Combination	U.L.S.	seismic	10*1.2000+11*1.6000+15*0.8000
44 (C)	BJASCE(2.32-3)WVX1	Linear Combination	U.L.S.	seismic	10*1.2000+12*1.6000+11*0.5000
45 (C)	BJASCE(2.32-3)WVZ	Linear Combination	U.L.S.	seismic	10*1.2000+13*1.6000+11*0.5000
46 (C)	BJASCE(2.32-3)WVY1	Linear Combination	U.L.S.	seismic	10*1.2000+14*1.6000+11*0.5000
47 (C)	BJASCE(2.32-3)WVZ	Linear Combination	U.L.S.	seismic	10*1.2000+15*1.6000+11*0.5000
48 (C)	BJASCE(2.32-3)JEX	Linear Combination	U.L.S.	seismic	10*1.2000+16*1.0000+11*0.2000
49 (C)	BJASCE(2.32-3)JEY	Linear Combination	U.L.S.	seismic	10*1.2000+17*1.0000+11*0.2000
50 (C)	BJASCE(2.32-3)WVX1	Linear Combination	U.L.S.	seismic	10*0.9000+12*1.6000
51 (C)	BJASCE(2.32-3)WVZ	Linear Combination	U.L.S.	seismic	10*0.9000+13*1.6000
52 (C)	BJASCE(2.32-3)WVY1	Linear Combination	U.L.S.	seismic	10*0.9000+14*1.6000
53 (C)	BJASCE(2.32-3)WVZ	Linear Combination	U.L.S.	seismic	10*0.9000+15*1.6000
54 (C)	BJASCE(2.32-3)JEX	Linear Combination	U.L.S.	seismic	10*0.9000+19*1.0000
55 (C)	BJASCE(2.32-3)JEY	Linear Combination	U.L.S.	seismic	10*0.9000+17*1.0000



Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Case/Node	FX (kip)	FZ (kip)	MY (kip-in)
18 (C) 1	0.11	1.22	6.62
18 (C) 2	-0.11	1.22	-5.05
18 (C) 3	0.31	1.26	16.32
18 (C) 4	-0.31	1.26	-46.93
18 (C) 5	0.31	1.26	16.32
18 (C) 6	-0.31	1.26	-46.93
18 (C) 7	0.11	1.22	6.62
18 (C) 8	-0.11	1.22	-5.05
18 (C) 9	0.61	0.75	39.10
18 (C) 10	-0.61	0.75	-39.10
19 (C) 1	-0.91	4.72	-33.16
19 (C) 2	1.35	5.29	72.97
19 (C) 3	-1.35	5.29	-72.97
19 (C) 4	1.35	5.29	72.97
19 (C) 5	-1.35	5.29	-72.97
19 (C) 6	0.61	0.75	39.10
19 (C) 7	-0.61	0.75	-39.10
20 (C) 1	-0.89	0.63	-74.36
20 (C) 2	0.69	-0.73	34.66
20 (C) 3	-1.07	0.15	-99.45
20 (C) 4	1.05	-0.34	99.37
20 (C) 5	-1.07	0.15	-99.45
20 (C) 6	-1.05	-0.34	99.37
20 (C) 7	-0.89	0.63	-74.36
20 (C) 8	0.69	-0.73	34.66
21 (C) 1	-0.04	1.86	-7.11
21 (C) 2	-0.72	1.24	-47.76
21 (C) 3	-0.51	0.53	-45.76
21 (C) 4	-0.40	-1.37	29.58
21 (C) 5	-0.51	0.53	-45.76
21 (C) 6	-0.40	-1.37	29.58
21 (C) 7	-0.63	1.55	-37.11
21 (C) 8	-0.72	1.24	-47.76
22 (C) 1	-0.69	1.28	-21.63
22 (C) 2	-0.69	1.28	-21.63
22 (C) 3	-0.25	-1.43	-19.92
22 (C) 4	0.25	-1.43	19.92
22 (C) 5	-0.36	-1.69	-20.81
22 (C) 6	0.36	-1.69	20.81
22 (C) 7	-0.09	-2.19	-1.74
22 (C) 8	0.03	-2.19	1.24
23 (C) 1	0.19	2.44	6.53
23 (C) 2	-0.19	2.44	-6.53
23 (C) 3	0.86	4.11	32.75
23 (C) 4	-0.86	4.11	-32.75
23 (C) 5	0.67	3.97	46.87
23 (C) 6	-0.67	3.97	-46.87
23 (C) 7	-0.21	1.31	-8.84
23 (C) 8	0.21	1.31	8.84
24 (C) 1	-0.00	1.17	-4.45

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Case/Node	FX (kip)	FZ (kip)	MY (kip-in)
24 (C) 2	-0.23	1.28	-14.63
24 (C) 3	0.18	1.20	6.17
24 (C) 4	-1.43	1.32	-26.89
24 (C) 5	0.18	1.20	6.17
24 (C) 6	-1.43	1.32	-26.89
24 (C) 7	-1.00	1.17	-4.48
24 (C) 8	-1.23	1.28	-14.63
25 (C) 1	0.11	1.17	5.14
25 (C) 2	-0.11	1.17	-5.14
25 (C) 3	0.92	1.28	17.28
25 (C) 4	-0.92	1.28	-17.28
25 (C) 5	0.29	1.23	15.78
25 (C) 6	-0.29	1.23	-15.78
25 (C) 7	0.11	1.27	5.02
25 (C) 8	-0.11	1.27	-5.02
26 (C) 1	-0.14	0.91	-20.34
26 (C) 2	-1.60	3.20	-42.74
26 (C) 3	0.90	6.44	31.02
26 (C) 4	-1.80	4.57	-115.13
26 (C) 5	0.90	6.44	31.02
26 (C) 6	-1.60	3.20	-42.74
26 (C) 7	-0.14	0.91	-20.34
26 (C) 8	0.30	4.35	1.95
27 (C) 1	-0.87	3.95	-30.63
27 (C) 2	1.47	3.74	12.12
27 (C) 3	-1.16	2.31	-16.37
27 (C) 4	0.47	3.74	12.12
27 (C) 5	-1.16	2.31	-16.37
27 (C) 6	0.20	3.95	1.35
28 (C) 1	0.69	3.92	31.01
28 (C) 2	-0.69	3.92	-31.01
28 (C) 3	0.87	2.27	36.77
28 (C) 4	-0.87	2.27	-36.77
28 (C) 5	0.57	2.07	31.00
28 (C) 6	-0.57	2.07	-31.00
28 (C) 7	0.30	2.81	13.86
28 (C) 8	-0.30	2.81	-13.86
29 (C) 1	0.46	4.75	21.15
29 (C) 2	-0.46	4.75	-21.15
29 (C) 3	1.59	6.48	36.02
29 (C) 4	-1.59	6.48	-36.02
29 (C) 5	1.51	6.32	31.62
29 (C) 6	-1.51	6.32	-31.62
29 (C) 7	0.16	3.94	8.09
29 (C) 8	-0.16	3.94	-8.09
30 (C) 1	0.35	3.84	13.29
30 (C) 2	-0.35	3.84	-13.29

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Case/Node	FX (kip)	FZ (kip)	MY (kip-in)
30 (C)3	1.02	4.25	53.12
30 (C)4	-1.16	4.31	48.75
30 (C)5	1.02	4.25	53.12
30 (C)6	-1.16	4.31	48.75
30 (C)7	0.36	5.84	15.58
30 (C)8	-0.47	5.93	-23.62
31 (C)1	0.41	5.84	18.55
31 (C)2	-0.41	5.84	-18.55
31 (C)3	1.09	4.30	59.25
31 (C)4	-1.09	4.30	-59.25
31 (C)5	1.08	4.27	58.62
31 (C)6	-1.08	4.27	-58.62
31 (C)7	0.41	5.90	18.55
31 (C)8	-0.41	5.90	-18.55
32 (C)1	-0.66	0.79	-49.65
32 (C)2	-0.39	-0.02	-95.24
32 (C)3	-0.06	3.63	-27.20
32 (C)4	-1.18	1.54	64.53
32 (C)5	-0.06	3.63	-27.20
32 (C)6	-1.18	1.54	64.53
32 (C)7	-0.66	0.79	-49.65
32 (C)8	-0.39	-0.02	-95.24
33 (C)1	-0.08	1.37	-19.11
33 (C)2	-0.68	0.75	-45.12
33 (C)3	-0.68	0.03	-52.29
33 (C)4	-0.28	-1.87	-53.27
33 (C)5	-0.64	0.03	-52.33
33 (C)6	-0.28	-1.87	-53.27
33 (C)7	-0.08	1.37	-19.14
33 (C)8	-0.68	0.75	-45.12
34 (C)1	0.45	0.79	19.60
34 (C)2	-0.45	0.79	-19.60
34 (C)3	-0.37	-1.95	-19.53
34 (C)4	0.37	-1.95	19.53
34 (C)5	-0.41	-2.19	-27.32
34 (C)6	0.41	-2.19	27.32
34 (C)7	-0.07	-0.68	-31.77
34 (C)8	0.07	-0.68	31.77
35 (C)1	0.14	1.95	6.80
35 (C)2	-0.14	1.95	-6.80
35 (C)3	0.86	5.67	46.14
35 (C)4	-0.86	5.67	-46.14
35 (C)5	0.75	5.47	40.76
35 (C)6	-0.75	5.47	-40.76
35 (C)7	-0.26	0.83	-10.58
35 (C)8	0.26	0.83	10.58
36 (C)1	-0.01	0.69	-2.45
36 (C)2	-0.16	0.77	-3.13
36 (C)3	0.10	0.77	2.07

Page 13  
Date: 3/10/2024

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Case/Node	FX (kip)	FZ (kip)	MY (kip-in)
36 (C)4	0.10	0.80	-27.17
36 (C)5	-0.27	0.71	3.67
36 (C)6	-0.01	0.80	-27.17
36 (C)7	-0.01	0.69	-3.65
36 (C)8	-0.15	0.77	-3.75
37 (C)1	0.37	0.69	3.09
37 (C)2	-0.37	0.69	-3.09
37 (C)3	0.19	0.78	10.44
37 (C)4	-0.19	0.78	-10.44
37 (C)5	0.17	0.74	9.59
37 (C)6	-0.17	0.74	-9.59
37 (C)7	0.07	0.77	3.01
37 (C)8	-0.07	0.77	-3.01

**Forces**

Bar/Node/Case	FX (kip)	FY (kip)
1/1/18 (C)	1.22	0.01
1/1/19 (C)	4.75	-0.07
1/1/20 (C)	0.69	-0.74
1/1/21 (C)	1.96	-0.07
1/1/22 (C)	1.28	0.01
1/1/23 (C)	2.44	-0.04
1/1/24 (C)	1.17	-0.06
1/1/25 (C)	1.17	0.09
1/1/26 (C)	5.91	-0.48
1/1/27 (C)	4.35	-0.01
1/1/28 (C)	5.92	0.43
1/1/29 (C)	4.78	0.02
1/1/30 (C)	3.84	0.02
1/1/31 (C)	5.84	0.09
1/1/32 (C)	0.75	-0.70
1/1/33 (C)	1.37	-0.07
1/1/34 (C)	6.79	0.51
1/1/35 (C)	1.95	-0.04
1/1/36 (C)	0.69	-0.04
1/1/37 (C)	0.69	0.06
1/9/18 (C)	1.07	0.01
1/9/19 (C)	4.65	0.07
1/9/20 (C)	0.69	-0.75
1/9/21 (C)	1.71	-0.07
1/9/22 (C)	1.13	0.01
1/9/23 (C)	2.29	-0.04
1/9/24 (C)	1.02	-0.06

Page 14  
Date: 3/10/2024

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-F4-20-105-33.rtd  
 Project: RH25X60-10M-F4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	FX (kip)	FY (kip)
2/10/25 (C)	1.02	0.08
2/10/26 (C)	3.76	-0.48
2/10/27 (C)	4.20	-0.07
2/10/28 (C)	3.77	0.43
2/10/29 (C)	-4.63	0.02
2/10/30 (C)	3.69	0.07
2/10/31 (C)	3.69	0.03
2/10/32 (C)	0.70	-0.70
2/10/33 (C)	1.28	-0.07
2/10/34 (C)	0.70	0.51
2/10/35 (C)	1.85	-0.34
2/10/36 (C)	0.80	-0.34
2/10/37 (C)	0.80	0.36
2/2/18 (C)	1.22	-0.01
2/2/19 (C)	3.25	-0.07
2/2/20 (C)	4.73	-0.78
2/2/21 (C)	1.34	-0.62
2/2/22 (C)	1.28	-0.51
2/2/23 (C)	2.44	0.34
2/2/24 (C)	1.28	-0.33
2/2/25 (C)	1.17	-0.38
2/2/26 (C)	3.30	-0.20
2/2/27 (C)	3.86	-0.51
2/2/28 (C)	3.92	-0.48
2/2/29 (C)	4.76	-0.32
2/2/30 (C)	3.80	-0.38
2/2/31 (C)	3.64	-0.38
2/2/32 (C)	-0.02	-0.20
2/2/33 (C)	0.75	-0.51
2/2/34 (C)	0.79	-0.51
2/2/35 (C)	1.95	0.34
2/2/36 (C)	0.77	-0.36
2/2/37 (C)	0.69	-0.36
2/10/18 (C)	1.07	-0.31
2/10/19 (C)	4.80	-0.37
2/10/20 (C)	0.73	-0.79
2/10/21 (C)	1.09	-0.57
2/10/22 (C)	1.13	-0.51
2/10/23 (C)	2.25	0.34
2/10/24 (C)	1.13	-0.34
2/10/25 (C)	1.02	-0.39
2/10/26 (C)	3.15	-0.20
2/10/27 (C)	3.24	-0.51
2/10/28 (C)	3.77	-0.49
2/10/29 (C)	4.63	-0.02
2/10/30 (C)	3.75	-0.30
2/10/31 (C)	3.69	-0.39
2/10/32 (C)	-0.11	-0.20
2/10/33 (C)	0.66	-0.61

Date: 3/1/05/24 Page: 15

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-F4-20-105-33.rtd  
 Project: RH25X60-10M-F4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	FX (kip)	FY (kip)
2/10/34 (C)	0.70	-0.51
2/10/35 (C)	4.86	0.34
2/10/36 (C)	0.68	-0.02
2/10/37 (C)	0.60	-0.06
2/10/38 (C)	1.22	-0.01
2/10/39 (C)	4.75	-0.07
2/10/40 (C)	0.63	0.29
2/10/41 (C)	1.86	0.07
2/10/42 (C)	-0.18	0.00
2/10/43 (C)	1.31	0.42
2/10/44 (C)	1.17	0.06
2/10/45 (C)	4.23	0.06
2/10/46 (C)	4.31	0.46
2/10/47 (C)	4.35	0.01
2/10/48 (C)	2.81	-0.64
2/10/49 (C)	3.84	0.28
2/10/50 (C)	3.64	-0.02
2/10/51 (C)	3.89	-0.01
2/10/52 (C)	0.76	0.70
2/10/53 (C)	1.37	0.07
2/10/54 (C)	-0.68	0.61
2/10/55 (C)	0.63	0.45
2/10/56 (C)	0.63	0.04
2/10/57 (C)	0.77	0.05
2/10/58 (C)	3.27	-0.11
2/10/59 (C)	4.80	-0.07
2/10/60 (C)	0.63	0.75
2/10/61 (C)	-0.11	0.07
2/10/62 (C)	-0.34	0.00
2/10/63 (C)	1.17	0.45
2/10/64 (C)	1.02	0.06
2/10/65 (C)	1.15	0.06
2/10/66 (C)	3.76	0.46
2/10/67 (C)	4.23	0.01
2/10/68 (C)	2.69	-0.04
2/10/69 (C)	3.79	0.28
2/10/70 (C)	3.63	-0.02
2/10/71 (C)	3.75	-0.61
2/10/72 (C)	0.70	0.70
2/10/73 (C)	1.28	0.07
2/10/74 (C)	-0.76	0.01
2/10/75 (C)	0.74	0.46
2/10/76 (C)	0.68	0.64
2/10/77 (C)	0.63	0.05
2/10/78 (C)	1.22	0.07
2/10/79 (C)	4.75	0.07
2/10/80 (C)	-0.18	0.76
2/10/81 (C)	1.24	0.62
2/10/82 (C)	-0.13	-0.65

Date: 3/1/05/24 Page: 16

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	FX (kip)	FY (kip)	MZ (kip-ft)
4/8/23 (C)	1.31	0.45	0.00
4/8/24 (C)	1.28	0.09	0.01
4/8/25 (C)	1.27	-0.18	0.20
4/8/26 (C)	3.30	0.20	0.01
4/8/27 (C)	3.69	0.51	0.01
4/8/28 (C)	3.61	0.04	0.01
4/8/29 (C)	3.34	-0.25	0.01
4/8/30 (C)	3.36	0.03	0.01
4/8/31 (C)	3.90	0.01	0.01
4/8/32 (C)	-0.22	0.20	0.01
4/8/33 (C)	0.75	0.61	0.01
4/8/34 (C)	-0.68	-0.01	0.01
4/8/35 (C)	0.63	-0.43	0.01
4/8/36 (C)	0.77	0.05	0.01
4/8/37 (C)	1.07	0.05	0.01
4/8/18 (C)	3.60	0.01	0.01
4/8/19 (C)	3.60	0.01	0.01
4/8/20 (C)	-0.73	0.19	0.01
4/8/21 (C)	1.09	0.62	0.01
4/8/22 (C)	-0.34	-0.02	0.01
4/8/23 (C)	1.17	-0.43	0.01
4/8/24 (C)	1.13	0.09	0.01
4/8/25 (C)	1.13	-0.68	0.01
4/8/26 (C)	3.15	0.20	0.01
4/8/27 (C)	3.74	0.51	0.01
4/8/28 (C)	3.66	0.04	0.01
4/8/29 (C)	3.78	-0.23	0.01
4/8/30 (C)	3.75	0.03	0.01
4/8/31 (C)	-0.11	0.20	0.01
4/8/32 (C)	0.66	0.61	0.01
4/8/33 (C)	-0.76	-0.01	0.01
4/8/34 (C)	0.74	-0.43	0.01
4/8/35 (C)	0.89	0.05	0.01
4/8/36 (C)	0.68	-0.05	0.01
5/3/19 (C)	3.28	-0.01	0.01
5/3/20 (C)	3.28	-0.01	0.01
5/3/21 (C)	2.15	0.02	0.01
5/3/22 (C)	3.53	0.00	0.01
5/3/23 (C)	-1.43	0.25	0.01
5/3/24 (C)	4.17	0.12	0.01
5/3/25 (C)	5.20	-0.01	0.01
5/3/26 (C)	1.29	0.12	0.01
5/3/27 (C)	6.44	-0.04	0.01
5/3/28 (C)	3.74	0.03	0.01
5/3/29 (C)	3.27	0.11	0.01
5/3/30 (C)	5.46	-0.04	0.01
5/3/31 (C)	4.23	-0.04	0.01
5/3/31 (C)	4.30	0.03	0.01

Date: 3/10/24 Page: 17

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	FX (kip)	FY (kip)	MZ (kip-ft)
6/3/32 (C)	3.63	-0.00	0.01
6/3/33 (C)	0.03	0.01	0.01
6/3/34 (C)	-1.93	0.20	0.01
6/3/35 (C)	3.67	0.12	0.01
6/3/36 (C)	0.71	-0.01	0.01
6/3/37 (C)	0.76	0.00	0.01
6/11/18 (C)	1.71	-0.01	0.01
6/11/19 (C)	3.14	-0.05	0.01
6/11/20 (C)	2.15	0.02	0.01
6/11/21 (C)	0.38	0.00	0.01
6/11/22 (C)	-1.57	0.20	0.01
6/11/23 (C)	4.02	0.12	0.01
6/11/24 (C)	1.05	-0.01	0.01
6/11/25 (C)	1.34	0.12	0.01
6/11/26 (C)	5.29	-0.04	0.01
6/11/27 (C)	3.69	-0.03	0.01
6/11/28 (C)	3.12	0.11	0.01
6/11/29 (C)	5.31	0.05	0.01
6/11/30 (C)	4.10	-0.05	0.01
6/11/31 (C)	4.15	0.03	0.01
6/11/32 (C)	3.54	-0.00	0.01
6/11/33 (C)	-0.06	0.01	0.01
6/11/34 (C)	-2.02	0.20	0.01
6/11/35 (C)	3.99	0.12	0.01
6/11/36 (C)	4.62	-0.01	0.01
6/11/37 (C)	0.69	0.09	0.01
6/4/18 (C)	1.26	0.01	0.01
6/4/19 (C)	3.23	0.05	0.01
6/4/20 (C)	-2.34	0.02	0.01
6/4/21 (C)	-1.37	0.01	0.01
6/4/22 (C)	-1.45	-0.20	0.01
6/4/23 (C)	4.17	-0.12	0.01
6/4/24 (C)	4.30	0.01	0.01
6/4/25 (C)	1.29	-0.12	0.01
6/4/26 (C)	4.57	0.06	0.01
6/4/27 (C)	2.31	0.04	0.01
6/4/28 (C)	2.27	-0.13	0.01
6/4/29 (C)	6.66	-0.05	0.01
6/4/30 (C)	4.01	0.04	0.01
6/4/31 (C)	4.30	-0.02	0.01
6/4/32 (C)	1.14	0.02	0.01
6/4/33 (C)	-1.67	0.01	0.01
6/4/34 (C)	-1.93	-0.20	0.01
6/4/35 (C)	3.67	-0.12	0.01
6/4/36 (C)	0.80	0.01	0.01
6/4/37 (C)	0.78	-0.09	0.01
6/12/18 (C)	1.71	0.01	0.01
6/12/19 (C)	5.14	0.05	0.01
6/12/20 (C)	-3.24	0.02	0.01

Date: 3/10/24 Page: 18

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	FX (kip)	FY (kip)
6/12/21 (C)	-1.52	0.01
6/12/22 (C)	-1.57	-0.20
6/12/23 (C)	4.02	-0.12
6/12/24 (C)	1.17	0.01
6/12/25 (C)	1.14	-0.17
6/12/26 (C)	4.42	0.06
6/12/27 (C)	2.16	0.04
6/12/28 (C)	2.12	-0.11
6/12/29 (C)	6.31	-0.02
6/12/30 (C)	-0.16	0.04
6/12/31 (C)	4.15	-0.03
6/12/32 (C)	1.05	0.02
6/12/33 (C)	-1.96	0.01
6/12/34 (C)	-3.02	-0.20
6/12/35 (C)	2.66	-0.12
6/12/36 (C)	0.71	0.01
6/12/37 (C)	0.69	-0.02
7/5/18 (C)	1.26	0.01
7/5/19 (C)	5.29	0.02
7/5/20 (C)	3.19	-0.02
7/5/21 (C)	0.63	-0.02
7/5/22 (C)	-1.66	0.03
7/5/23 (C)	3.97	0.03
7/5/24 (C)	1.20	0.01
7/5/25 (C)	1.23	0.01
7/5/26 (C)	6.44	0.04
7/5/27 (C)	5.74	0.02
7/5/28 (C)	2.07	0.01
7/5/29 (C)	6.22	0.17
7/5/30 (C)	4.25	0.04
7/5/31 (C)	4.27	0.11
7/5/32 (C)	3.63	0.02
7/5/33 (C)	0.03	-0.02
7/5/34 (C)	-2.19	0.01
7/5/35 (C)	3.47	0.17
7/5/36 (C)	0.71	0.01
7/5/37 (C)	0.74	0.10
7/13/18 (C)	1.11	0.01
7/13/19 (C)	5.14	0.02
7/13/20 (C)	2.05	-0.02
7/13/21 (C)	1.88	-0.02
7/13/22 (C)	-1.83	0.02
7/13/23 (C)	1.83	0.02
7/13/24 (C)	1.06	0.01
7/13/25 (C)	1.06	0.04
7/13/26 (C)	6.29	0.04
7/13/27 (C)	3.59	0.02
7/13/28 (C)	1.92	0.01
7/13/29 (C)	6.17	0.17

Date: 3/10/24 Page: 19

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	FX (kip)	FY (kip)
7/13/30 (C)	-4.10	0.04
7/13/31 (C)	4.72	0.11
7/13/32 (C)	3.54	0.00
7/13/33 (C)	-0.05	-0.01
7/13/34 (C)	-2.27	0.01
7/13/35 (C)	3.38	0.17
7/13/36 (C)	0.62	0.01
7/13/37 (C)	0.65	0.10
8/6/18 (C)	1.26	-0.01
8/6/19 (C)	5.29	-0.02
8/6/20 (C)	-2.24	-0.02
8/6/21 (C)	-1.37	-0.01
8/6/22 (C)	-1.50	-0.19
8/6/23 (C)	3.37	-0.01
8/6/24 (C)	1.32	-0.01
8/6/25 (C)	1.23	-0.14
8/6/26 (C)	4.57	-0.05
8/6/27 (C)	2.31	-0.04
8/6/28 (C)	2.07	-0.18
8/6/29 (C)	6.32	-0.17
8/6/30 (C)	4.31	-0.04
8/6/31 (C)	4.27	-0.11
8/6/32 (C)	1.14	-0.02
8/6/33 (C)	-1.97	-0.01
8/6/34 (C)	2.19	-0.18
8/6/35 (C)	3.47	-0.17
8/6/36 (C)	0.90	-0.01
8/6/37 (C)	0.74	-0.10
8/14/18 (C)	1.11	-0.01
8/14/19 (C)	5.14	-0.02
8/14/20 (C)	-2.24	-0.02
8/14/21 (C)	1.52	-0.01
8/14/22 (C)	-1.53	-0.19
8/14/23 (C)	3.33	-0.18
8/14/24 (C)	1.17	-0.01
8/14/25 (C)	1.08	-0.14
8/14/26 (C)	4.42	-0.06
8/14/27 (C)	2.16	-0.04
8/14/28 (C)	1.93	-0.16
8/14/29 (C)	6.17	-0.17
8/14/30 (C)	-3.16	-0.04
8/14/31 (C)	4.12	-0.11
8/14/32 (C)	1.05	-0.02
8/14/33 (C)	-1.36	-0.01
8/14/34 (C)	-2.27	-0.16
8/14/35 (C)	3.38	-0.17
8/14/36 (C)	0.71	-0.01
8/14/37 (C)	0.65	-0.10
9/9/18 (C)	2.24	-0.00

Date: 3/10/24 Page: 20

Autodesk Robot Structural Analysis Professional 2021  
 File: RH-25X60-10M-P4-20-105-33.rtd  
 Author: Address:  
 Project: RH-25X60-10M-P4-20-105-33

Bar/Node Case	FX (kip)	FY (kip)
9/9/19 (C)	5.13	-0.02
9/9/20 (C)	-0.76	0.02
9/9/21 (C)	2.02	0.11
9/9/22 (C)	0.63	0.10
9/9/23 (C)	4.17	-5.10
9/9/24 (C)	2.14	-0.01
9/9/25 (C)	2.05	0.01
9/9/26 (C)	6.93	-0.08
9/9/27 (C)	7.23	-0.07
9/9/28 (C)	6.16	0.06
9/9/29 (C)	6.05	-0.08
9/9/30 (C)	7.35	-0.02
9/9/31 (C)	7.53	-0.01
9/9/32 (C)	0.72	-0.05
9/9/33 (C)	1.11	0.11
9/9/34 (C)	-0.31	0.10
9/9/35 (C)	3.28	-0.09
9/9/36 (C)	1.28	-0.01
9/9/37 (C)	1.23	0.00
9/25/18 (C)	1.01	0.01
9/25/19 (C)	3.93	0.04
9/25/20 (C)	-0.63	-0.25
9/25/21 (C)	-0.05	-0.15
9/25/22 (C)	2.44	0.06
9/25/23 (C)	0.95	0.00
9/25/24 (C)	0.93	0.01
9/25/25 (C)	3.43	-0.04
9/25/26 (C)	0.41	-0.09
9/25/27 (C)	2.04	-0.01
9/25/28 (C)	4.03	0.07
9/25/29 (C)	3.22	0.00
9/25/30 (C)	3.23	0.00
9/25/31 (C)	0.65	-0.09
9/25/32 (C)	-0.60	-0.16
9/25/33 (C)	2.03	-0.05
9/25/34 (C)	0.63	-0.00
9/25/35 (C)	0.63	-0.00
9/25/36 (C)	0.63	-0.00
9/25/37 (C)	2.54	0.00
10/10/18 (C)	9.13	0.02
10/10/19 (C)	0.65	0.02
10/10/20 (C)	2.64	-0.08
10/10/21 (C)	0.65	0.02
10/10/22 (C)	0.65	-0.10
10/10/23 (C)	4.17	0.10
10/10/24 (C)	2.35	-0.00
10/10/25 (C)	2.03	-0.01
10/10/26 (C)	7.62	0.10
10/10/27 (C)	7.11	-0.05

Date: 3/10/24 Page: 21

Autodesk Robot Structural Analysis Professional 2021  
 File: RH-25X60-10M-P4-20-105-33.rtd  
 Author: Address:  
 Project: RH-25X60-10M-P4-20-105-33

Bar/Node Case	FX (kip)	FY (kip)
10/10/28 (C)	6.16	-0.06
10/10/29 (C)	6.86	0.09
10/10/30 (C)	7.45	0.01
10/10/31 (C)	7.32	0.01
10/10/32 (C)	1.63	0.11
10/10/33 (C)	1.76	-0.09
10/10/34 (C)	4.31	-0.10
10/10/35 (C)	3.38	0.03
10/10/36 (C)	1.41	-0.00
10/10/37 (C)	1.23	-0.00
10/25/18 (C)	1.01	-0.01
10/25/19 (C)	3.93	-0.04
10/25/20 (C)	0.63	-0.25
10/25/21 (C)	0.62	-0.06
10/25/22 (C)	4.98	0.05
10/25/23 (C)	2.44	-0.06
10/25/24 (C)	1.04	-0.01
10/25/25 (C)	0.95	-0.01
10/25/26 (C)	4.13	-0.17
10/25/27 (C)	2.94	-0.08
10/25/28 (C)	3.04	0.01
10/25/29 (C)	2.30	-0.07
10/25/30 (C)	3.25	-0.04
10/25/31 (C)	3.20	-0.03
10/25/32 (C)	1.79	-0.18
10/25/33 (C)	0.22	-0.06
10/25/34 (C)	0.93	0.00
10/25/35 (C)	3.03	-0.05
10/25/36 (C)	0.63	-0.01
10/25/37 (C)	0.67	-0.00
11/15/18 (C)	2.24	0.00
11/15/19 (C)	9.13	0.02
11/15/20 (C)	-0.78	-0.02
11/15/21 (C)	3.00	-0.11
11/15/22 (C)	0.73	-0.09
11/15/23 (C)	3.90	0.10
11/15/24 (C)	2.14	0.01
11/15/25 (C)	2.39	0.00
11/15/26 (C)	6.93	0.00
11/15/27 (C)	7.23	-0.07
11/15/28 (C)	5.90	-0.05
11/15/29 (C)	6.66	0.09
11/15/30 (C)	7.35	0.02
11/15/31 (C)	7.49	0.02
11/15/32 (C)	0.79	0.09
11/15/33 (C)	1.11	-0.11
11/15/34 (C)	-0.66	-0.09
11/15/35 (C)	3.01	0.10
11/15/36 (C)	1.28	0.01

Date: 3/10/24 Page: 22

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node Case	FX (kip)	FY (kip)
11/15/37 (C)	7.45	0.01
11/28/18 (C)	1.01	-0.31
11/28/19 (C)	3.98	-0.34
11/28/20 (C)	-0.65	0.25
11/28/21 (C)	-0.09	0.15
11/28/22 (C)	-0.40	0.05
11/28/23 (C)	2.48	-0.36
11/28/24 (C)	0.98	-0.01
11/28/25 (C)	1.07	-0.31
11/28/26 (C)	3.83	0.04
11/28/27 (C)	2.41	0.01
11/28/28 (C)	2.18	0.31
11/28/29 (C)	4.41	-0.05
11/28/30 (C)	3.22	-0.33
11/28/31 (C)	3.27	-0.03
11/28/32 (C)	0.86	0.39
11/28/33 (C)	-0.40	0.15
11/28/34 (C)	-0.60	0.05
11/28/35 (C)	3.17	-0.36
11/28/36 (C)	0.89	0.01
11/28/37 (C)	0.65	-0.01
12/16/18 (C)	2.24	-0.01
12/16/19 (C)	3.19	-0.02
12/16/20 (C)	0.69	-0.02
12/16/21 (C)	2.64	0.39
12/16/22 (C)	0.23	0.39
12/16/23 (C)	3.00	-0.10
12/16/24 (C)	2.33	0.00
12/16/25 (C)	2.39	-0.01
12/16/26 (C)	7.62	-0.10
12/16/27 (C)	7.71	0.05
12/16/28 (C)	5.90	0.05
12/16/29 (C)	9.66	-0.39
12/16/30 (C)	7.45	-0.01
12/16/31 (C)	7.49	-0.32
12/16/32 (C)	5.93	-0.15
12/16/33 (C)	1.75	0.09
12/16/34 (C)	-0.66	0.09
12/16/35 (C)	3.01	-0.10
12/16/36 (C)	1.41	0.30
12/16/37 (C)	1.45	-0.01
12/28/18 (C)	1.01	0.01
12/28/19 (C)	3.88	0.04
12/28/20 (C)	0.80	0.25
12/28/21 (C)	0.62	0.05
12/28/22 (C)	-0.40	-0.05
12/28/23 (C)	2.38	0.35
12/28/24 (C)	1.04	0.01
12/28/25 (C)	3.07	0.01

Date: 3/10/24

Page: 23

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node Case	FX (kip)	FY (kip)
12/28/26 (C)	4.73	0.17
12/28/27 (C)	2.84	-0.09
12/28/28 (C)	2.18	-0.81
12/28/29 (C)	4.41	0.00
12/28/30 (C)	3.25	0.04
12/28/31 (C)	3.27	0.00
12/28/32 (C)	1.79	3.19
12/28/33 (C)	0.22	0.06
12/28/34 (C)	0.63	-0.05
12/28/35 (C)	2.17	0.06
12/28/36 (C)	0.89	0.01
12/28/37 (C)	0.65	0.00
13/11/18 (C)	0.42	-0.03
13/11/19 (C)	2.26	-0.16
13/11/20 (C)	-0.37	0.02
13/11/21 (C)	-0.52	-0.02
13/11/22 (C)	-0.97	-0.20
13/11/23 (C)	2.09	-0.32
13/11/24 (C)	0.43	-0.02
13/11/25 (C)	0.59	-0.06
13/11/26 (C)	2.32	-0.12
13/11/27 (C)	1.94	-0.12
13/11/28 (C)	0.73	-0.26
13/11/29 (C)	3.00	-0.27
13/11/30 (C)	1.77	-0.13
13/11/31 (C)	1.93	-0.14
13/11/32 (C)	0.93	-0.01
13/11/33 (C)	-0.72	-0.01
13/11/34 (C)	-1.07	-0.19
13/11/35 (C)	1.88	-0.22
13/11/36 (C)	0.29	-0.02
13/11/37 (C)	0.33	-0.04
13/26/18 (C)	0.32	3.12
13/26/19 (C)	1.95	0.46
13/26/20 (C)	-0.37	-0.31
13/26/21 (C)	-0.71	-0.17
13/26/22 (C)	-1.05	-0.11
13/26/23 (C)	1.89	0.45
13/26/24 (C)	0.29	0.11
13/26/25 (C)	0.34	0.13
13/26/26 (C)	1.67	0.45
13/26/27 (C)	0.39	0.25
13/26/28 (C)	0.73	0.50
13/26/29 (C)	2.35	0.70
13/26/30 (C)	1.75	0.46
13/26/31 (C)	1.18	0.47
13/26/32 (C)	0.36	0.05
13/26/33 (C)	-0.59	-0.22
13/26/34 (C)	1.14	-0.16

Date: 3/10/24

Page: 24

Autodesk Robot Structural Analysis Professional 2021  
 File: RH265X60-10M-P4-20-105-33.rtd  
 Project: RH265X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	Fx (kip)	Fy (kip)
13/26/35 (C)	1.76	0.38
13/26/36 (C)	0.17	0.06
13/26/37 (C)	0.21	0.00
14/12/18 (C)	0.52	0.03
14/12/19 (C)	2.35	0.16
14/12/20 (C)	0.32	0.01
14/12/21 (C)	-0.22	0.04
14/12/22 (C)	-0.67	0.20
14/12/23 (C)	2.09	0.23
14/12/24 (C)	0.61	0.04
14/12/25 (C)	0.54	0.06
14/12/26 (C)	2.61	0.12
14/12/27 (C)	-3.27	0.13
14/12/28 (C)	0.98	0.36
14/12/29 (C)	3.00	0.27
14/12/30 (C)	1.67	0.13
14/12/31 (C)	1.83	0.14
14/12/32 (C)	1.37	0.03
14/12/33 (C)	-0.45	0.02
14/12/34 (C)	-1.07	0.19
14/12/35 (C)	1.89	0.22
14/12/36 (C)	0.37	0.07
14/12/37 (C)	0.33	0.04
14/26/18 (C)	0.92	0.12
14/26/19 (C)	1.65	0.31
14/26/20 (C)	0.52	-0.30
14/26/21 (C)	-0.52	-0.09
14/26/22 (C)	-1.06	0.11
14/26/23 (C)	1.69	-0.43
14/26/24 (C)	0.36	-0.13
14/26/25 (C)	0.34	-0.13
14/26/26 (C)	-1.36	-0.71
14/26/27 (C)	0.52	-0.45
14/26/28 (C)	0.13	-0.30
14/26/29 (C)	2.35	-0.70
14/26/30 (C)	1.19	-0.17
14/26/31 (C)	1.16	-0.17
14/26/32 (C)	1.25	-0.40
14/26/33 (C)	-5.55	-0.04
14/26/34 (C)	-1.19	0.16
14/26/35 (C)	1.76	-0.38
14/26/36 (C)	5.21	-0.08
14/26/37 (C)	0.21	-0.08
15/13/18 (C)	3.52	0.03
15/13/19 (C)	2.26	0.16
15/13/20 (C)	-0.37	-0.02
15/13/21 (C)	-5.52	0.03
15/13/22 (C)	-1.08	-0.21
15/13/23 (C)	1.93	-0.09

Date: 3/10/2024 Page: 26

Autodesk Robot Structural Analysis Professional 2021  
 File: RH265X60-10M-P4-20-105-33.rtd  
 Project: RH265X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	Fx (kip)	Fy (kip)
16/14/24 (C)	0.43	0.02
16/14/25 (C)	0.50	0.01
16/14/26 (C)	2.30	0.12
16/14/27 (C)	1.04	0.12
16/14/28 (C)	0.52	-0.06
16/14/29 (C)	2.88	0.04
16/14/30 (C)	1.77	0.15
16/14/31 (C)	1.81	-0.11
16/14/32 (C)	0.38	0.01
16/14/33 (C)	-0.73	0.01
16/14/34 (C)	-1.35	-0.55
16/14/35 (C)	1.72	-0.02
16/14/36 (C)	0.25	0.02
16/14/37 (C)	0.50	0.02
16/27/18 (C)	0.50	-0.12
16/27/19 (C)	1.45	-0.46
16/27/20 (C)	-0.37	0.31
16/27/21 (C)	-0.71	0.17
16/27/22 (C)	-1.27	0.21
16/27/23 (C)	1.73	-0.36
16/27/24 (C)	0.29	-0.11
16/27/25 (C)	0.30	-0.10
16/27/26 (C)	1.67	-0.45
16/27/27 (C)	0.33	-0.24
16/27/28 (C)	-0.03	-0.22
16/27/29 (C)	2.23	-0.64
16/27/30 (C)	1.15	-0.46
16/27/31 (C)	1.75	-0.46
16/27/32 (C)	0.62	-0.02
16/27/33 (C)	-0.84	0.27
16/27/34 (C)	-1.42	0.25
16/27/35 (C)	1.80	-0.31
16/27/36 (C)	0.17	-0.06
16/27/37 (C)	0.18	-0.06
16/14/18 (C)	0.52	-0.05
16/14/19 (C)	2.26	-0.16
16/14/20 (C)	0.55	-0.31
16/14/21 (C)	-0.29	-0.04
16/14/22 (C)	-1.24	0.21
16/14/23 (C)	1.93	0.05
16/14/24 (C)	0.61	-0.04
16/14/25 (C)	0.50	-0.01
16/14/26 (C)	2.61	-0.14
16/14/27 (C)	1.27	-0.13
16/14/28 (C)	0.62	0.06
16/14/29 (C)	2.88	-0.04
16/14/30 (C)	1.57	-0.13
16/14/31 (C)	1.84	-0.11
16/14/32 (C)	1.97	-0.05

Date: 3/10/2024 Page: 26

Autodesk Robot Structural Analysis Professional 2021  
 File: R125X60-10M-P4-20-105-33.rtd  
 Author: RH25X60-10M-P4-20-105-33  
 Address:

Bar/Node/Case	FX (kip)	FY (kip)
16.14.20 (C)	-0.42	-0.02
16.14.24 (C)	-7.28	0.23
16.14.26 (C)	0.00	0.00
16.14.28 (C)	0.37	-0.02
16.14.29 (C)	0.00	-0.00
16.27.18 (C)	0.32	0.12
16.27.19 (C)	-0.45	0.30
16.27.20 (C)	0.32	0.30
16.27.21 (C)	-0.42	0.09
16.27.22 (C)	-1.27	-0.21
16.27.23 (C)	-0.23	0.36
16.27.24 (C)	0.26	0.13
16.27.25 (C)	0.30	0.10
16.27.26 (C)	0.30	0.10
16.27.27 (C)	0.36	0.11
16.27.28 (C)	0.32	0.14
16.27.29 (C)	-0.03	0.22
16.27.30 (C)	2.23	0.64
16.27.31 (C)	1.18	0.47
16.27.31 (C)	1.16	0.46
16.27.32 (C)	1.25	0.40
16.27.33 (C)	-0.65	0.04
16.27.34 (C)	-1.40	-0.25
16.27.36 (C)	1.60	0.31
16.27.36 (C)	0.21	0.09
16.27.37 (C)	0.18	0.06
17.9.18 (C)	-3.41	0.00
17.9.18 (C)	-5.75	0.00
17.9.20 (C)	0.03	-0.03
17.9.21 (C)	-1.27	-0.23
17.9.22 (C)	0.05	-0.35
17.9.23 (C)	-2.00	-0.00
17.9.24 (C)	-1.64	-0.00
17.9.25 (C)	-3.29	-0.00
17.9.25 (C)	-0.75	0.15
17.9.27 (C)	-4.56	-0.17
17.9.28 (C)	-3.57	-0.32
17.9.29 (C)	-5.69	-0.02
17.9.30 (C)	-4.69	-0.02
17.9.31 (C)	-4.61	-0.07
17.9.32 (C)	-3.96	0.20
17.9.33 (C)	-0.71	-0.25
17.9.34 (C)	0.51	-0.33
17.9.35 (C)	-1.84	-0.00
17.9.36 (C)	-2.87	-0.00
17.9.37 (C)	-0.76	-0.02
17.10.18 (C)	-1.41	0.00
17.10.19 (C)	-5.75	0.00
17.10.20 (C)	0.03	-0.03
17.10.21 (C)	-1.27	-0.23
17.10.22 (C)	0.05	-0.35
17.10.23 (C)	-2.00	-0.00
17.10.24 (C)	-1.64	-0.00
17.10.25 (C)	-3.29	-0.00
17.10.25 (C)	-0.75	0.15
17.10.27 (C)	-4.56	-0.17
17.10.28 (C)	-3.57	-0.32
17.10.29 (C)	-5.69	-0.02
17.10.30 (C)	-4.69	-0.02
17.10.31 (C)	-4.61	-0.07
17.10.32 (C)	-3.96	0.20
17.10.33 (C)	-0.71	-0.25
17.10.34 (C)	0.51	-0.33
17.10.35 (C)	-1.84	-0.00
17.10.36 (C)	-2.87	-0.00
17.10.37 (C)	-0.76	-0.02
18.16.18 (C)	-1.41	0.00
18.16.19 (C)	-5.75	0.00
18.16.20 (C)	0.03	-0.03
18.16.21 (C)	-1.27	-0.23
18.16.22 (C)	0.05	-0.35
18.16.23 (C)	-2.00	-0.00
18.16.24 (C)	-1.64	-0.00
18.16.25 (C)	-3.29	-0.00
18.16.25 (C)	-0.75	0.15
18.16.27 (C)	-4.56	-0.17
18.16.28 (C)	-3.57	-0.32
18.16.29 (C)	-5.69	-0.02
18.16.30 (C)	-4.69	-0.02
18.16.31 (C)	-4.73	0.02
18.16.32 (C)	-0.95	0.23
18.16.33 (C)	-0.71	-0.20
18.16.34 (C)	0.21	0.00
18.16.35 (C)	-2.84	0.36
18.16.36 (C)	-0.33	0.00
18.16.37 (C)	-0.93	0.02
18.16.18 (C)	-1.41	-0.00
18.16.19 (C)	-5.75	-0.00
18.16.20 (C)	0.03	0.03
18.16.21 (C)	-1.27	0.23
18.16.22 (C)	0.36	-0.05
18.16.23 (C)	0.21	-0.26
18.16.24 (C)	0.21	-0.26
18.16.25 (C)	-1.44	0.00
18.16.25 (C)	-1.59	-0.03
18.16.26 (C)	-4.75	-0.15
18.16.27 (C)	-4.56	-0.17
18.16.28 (C)	-3.39	-0.03
18.16.29 (C)	-4.61	-0.07
18.16.30 (C)	-3.96	-0.00
18.16.31 (C)	-0.71	-0.19
18.16.32 (C)	-0.71	-0.19
18.16.33 (C)	-0.71	-0.19
18.16.34 (C)	0.21	0.00
18.16.35 (C)	-2.84	0.36
18.16.36 (C)	-0.33	0.00
18.16.37 (C)	-0.93	0.02
18.16.18 (C)	-1.41	-0.00
18.16.19 (C)	-5.75	-0.00
18.16.20 (C)	0.03	0.03
18.16.21 (C)	-1.27	0.23
18.16.22 (C)	0.36	-0.05
18.16.23 (C)	0.21	-0.26
18.16.24 (C)	0.21	-0.26
18.16.25 (C)	-1.44	0.00
18.16.25 (C)	-1.59	-0.03
18.16.26 (C)	-4.75	-0.15
18.16.27 (C)	-4.56	-0.17
18.16.28 (C)	-3.39	-0.03
18.16.29 (C)	-4.61	-0.07
18.16.30 (C)	-3.96	-0.00
18.16.31 (C)	-0.71	-0.19
18.16.32 (C)	-0.71	-0.19
18.16.33 (C)	-0.71	-0.19
18.16.34 (C)	0.21	0.00
18.16.35 (C)	-2.84	0.36
18.16.36 (C)	-0.33	0.00
18.16.37 (C)	-0.93	0.02
18.16.18 (C)	-1.41	-0.00
18.16.19 (C)	-5.75	-0.00
18.16.20 (C)	0.03	0.03
18.16.21 (C)	-1.27	0.23
18.16.22 (C)	0.36	-0.05
18.16.23 (C)	0.21	-0.26
18.16.24 (C)	0.21	-0.26
18.16.25 (C)	-1.44	0.00
18.16.25 (C)	-1.59	-0.03
18.16.26 (C)	-4.75	-0.15
18.16.27 (C)	-4.56	-0.17
18.16.28 (C)	-3.39	-0.03
18.16.29 (C)	-4.61	-0.07
18.16.30 (C)	-3.96	-0.00
18.16.31 (C)	-0.71	-0.19
18.16.32 (C)	-0.71	-0.19
18.16.33 (C)	-0.71	-0.19
18.16.34 (C)	0.21	0.00
18.16.35 (C)	-2.84	0.36
18.16.36 (C)	-0.33	0.00
18.16.37 (C)	-0.93	0.02
18.16.18 (C)	-1.41	-0.00
18.16.19 (C)	-5.75	-0.00
18.16.20 (C)	0.03	0.03
18.16.21 (C)	-1.27	0.23
18.16.22 (C)	0.36	-0.05
18.16.23 (C)	0.21	-0.26
18.16.24 (C)	0.21	-0.26
18.16.25 (C)	-1.44	0.00
18.16.25 (C)	-1.59	-0.03
18.16.26 (C)	-4.75	-0.15
18.16.27 (C)	-4.56	-0.17
18.16.28 (C)	-3.39	-0.03
18.16.29 (C)	-4.61	-0.07
18.16.30 (C)	-3.96	-0.00
18.16.31 (C)	-0.71	-0.19
18.16.32 (C)	-0.71	-0.19
18.16.33 (C)	-0.71	-0.19
18.16.34 (C)	0.21	0.00
18.16.35 (C)	-2.84	0.36
18.16.36 (C)	-0.33	0.00
18.16.37 (C)	-0.93	0.02

Autodesk Robot Structural Analysis Professional 2021  
 File: R125X60-10M-P4-20-105-33.rtd  
 Author: RH25X60-10M-P4-20-105-33  
 Address:

Bar/Node/Case	FX (kip)	FY (kip)
17.10.22 (C)	0.05	0.30
17.10.23 (C)	-2.50	0.00
17.10.24 (C)	-1.30	-0.00
17.10.25 (C)	-1.29	0.05
17.10.26 (C)	-4.75	-0.17
17.10.27 (C)	-4.56	0.16
17.10.28 (C)	-3.57	0.22
17.10.29 (C)	-5.69	0.00
17.10.30 (C)	-4.69	-0.00
17.10.31 (C)	-4.61	0.02
17.10.32 (C)	-0.96	-0.23
17.10.33 (C)	-0.71	0.20
17.10.34 (C)	0.61	0.30
17.10.35 (C)	-1.34	0.00
17.10.36 (C)	0.33	-0.00
17.10.37 (C)	-0.76	0.02
18.16.18 (C)	-1.41	-0.00
18.16.19 (C)	-5.75	-0.00
18.16.20 (C)	0.03	0.03
18.16.21 (C)	-1.27	-0.20
18.16.22 (C)	-0.36	0.05
18.16.23 (C)	-2.91	0.36
18.16.24 (C)	-1.39	0.00
18.16.25 (C)	-1.53	0.03
18.16.25 (C)	-4.75	0.17
18.16.27 (C)	-4.56	-0.15
18.16.28 (C)	-3.39	0.03
18.16.29 (C)	-5.72	0.19
18.16.30 (C)	-4.55	0.00
18.16.31 (C)	-4.73	0.02
18.16.32 (C)	-0.95	0.23
18.16.33 (C)	-0.71	-0.20
18.16.34 (C)	0.21	0.00
18.16.35 (C)	-2.84	0.36
18.16.36 (C)	-0.33	0.00
18.16.37 (C)	-0.93	0.02
18.16.18 (C)	-1.41	-0.00
18.16.19 (C)	-5.75	-0.00
18.16.20 (C)	0.03	0.03
18.16.21 (C)	-1.27	0.23
18.16.22 (C)	0.36	-0.05
18.16.23 (C)	0.21	-0.26
18.16.24 (C)	0.21	-0.26
18.16.25 (C)	-1.44	0.00
18.16.25 (C)	-1.59	-0.03
18.16.26 (C)	-4.75	-0.15
18.16.27 (C)	-4.56	-0.17
18.16.28 (C)	-3.39	-0.03
18.16.29 (C)	-4.61	-0.07
18.16.30 (C)	-3.96	-0.00
18.16.31 (C)	-0.71	-0.19
18.16.32 (C)	-0.71	-0.19
18.16.33 (C)	-0.71	-0.19
18.16.34 (C)	0.21	0.00
18.16.35 (C)	-2.84	0.36
18.16.36 (C)	-0.33	0.00
18.16.37 (C)	-0.93	0.02

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node Case	FX (kip)	FY (kip)
18/15/31 (C)	-4.73	-0.02
18/16/32 (C)	-0.96	-0.20
18/16/33 (C)	-0.11	0.23
18/16/34 (C)	0.21	-0.05
18/16/35 (C)	-2.24	-0.26
18/16/36 (C)	-0.87	0.00
18/16/37 (C)	-0.93	-0.32
18/11/18 (C)	-1.42	-0.03
18/11/19 (C)	-5.81	-0.02
18/11/20 (C)	0.84	-0.26
18/11/21 (C)	-1.12	0.02
18/11/22 (C)	-0.25	0.23
18/11/23 (C)	-2.50	-0.21
18/11/24 (C)	-1.36	-0.32
18/11/25 (C)	-1.54	-0.01
18/11/26 (C)	-4.31	-0.22
18/11/27 (C)	-4.49	0.01
18/11/28 (C)	-3.91	0.16
18/11/29 (C)	-5.82	-0.12
18/11/30 (C)	-4.68	-0.02
18/11/31 (C)	-4.67	-0.02
18/11/32 (C)	-0.32	-0.20
18/11/33 (C)	-0.55	0.02
18/11/34 (C)	0.22	0.23
18/11/35 (C)	-1.93	-0.20
18/11/36 (C)	-0.61	-0.02
18/11/37 (C)	-0.00	-0.00
18/9/18 (C)	-1.42	-0.00
18/9/19 (C)	-5.81	-0.02
18/9/20 (C)	0.84	0.26
18/9/21 (C)	-1.12	0.02
18/9/22 (C)	-0.25	-0.15
18/9/23 (C)	-2.50	0.18
18/9/24 (C)	-1.36	0.02
18/9/25 (C)	-1.39	-0.30
18/9/26 (C)	-4.31	0.17
18/9/27 (C)	-4.48	0.01
18/9/28 (C)	-3.91	-0.13
18/9/29 (C)	-5.82	0.12
18/9/30 (C)	-4.68	0.00
18/9/31 (C)	-4.70	-0.02
18/9/32 (C)	-0.32	0.25
18/9/33 (C)	-0.55	0.03
18/9/34 (C)	0.22	-0.15
18/9/35 (C)	-1.93	0.19
18/9/36 (C)	-0.61	0.02
18/9/37 (C)	-0.60	-0.00
20/10/18 (C)	-1.42	0.00
20/10/19 (C)	-5.81	0.02

Date: 3/10/2024  
Page: 29

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node Case	FX (kip)	FY (kip)
20/10/20 (C)	-0.79	0.20
20/10/21 (C)	-1.22	-0.22
20/10/22 (C)	-0.35	0.15
20/10/23 (C)	-2.93	-0.18
20/10/24 (C)	-1.48	0.03
20/10/25 (C)	-1.39	0.00
20/10/26 (C)	-5.00	0.07
20/10/27 (C)	-5.01	0.18
20/10/28 (C)	-3.91	0.13
20/10/29 (C)	-5.52	-0.12
20/10/30 (C)	-4.74	0.03
20/10/31 (C)	-4.70	0.02
20/10/32 (C)	-1.24	0.08
20/10/33 (C)	-1.25	0.22
20/10/34 (C)	0.22	0.15
20/10/35 (C)	-1.33	-0.18
20/10/36 (C)	-0.93	0.02
20/10/37 (C)	-0.93	0.00
20/12/18 (C)	-1.42	0.00
20/12/19 (C)	-5.81	0.02
20/12/20 (C)	-0.79	-0.25
20/12/21 (C)	-1.32	-0.24
20/12/22 (C)	-0.35	-0.22
20/12/23 (C)	-2.80	0.21
20/12/24 (C)	-1.43	-0.02
20/12/25 (C)	-1.34	0.00
20/12/26 (C)	-5.00	0.01
20/12/27 (C)	-5.01	-0.17
20/12/28 (C)	-3.91	-0.16
20/12/29 (C)	-5.52	0.17
20/12/30 (C)	-4.74	0.00
20/12/31 (C)	-4.67	0.02
20/12/32 (C)	-1.24	-0.00
20/12/33 (C)	-1.25	-0.24
20/12/34 (C)	0.22	-0.22
20/12/35 (C)	-1.33	0.20
20/12/36 (C)	-0.93	-0.02
20/12/37 (C)	-0.93	0.00
21/16/18 (C)	-1.42	0.00
21/16/19 (C)	-5.81	0.02
21/16/20 (C)	0.84	-0.26
21/16/21 (C)	-1.12	-0.02
21/16/22 (C)	-0.25	0.19
21/16/23 (C)	-2.48	-0.15
21/16/24 (C)	-1.36	-0.02
21/16/25 (C)	-1.45	0.01
21/16/26 (C)	-4.31	-0.17
21/16/27 (C)	-4.48	-0.01
21/16/28 (C)	-3.88	0.16

Date: 3/10/2024  
Page: 30

Autodesk Robot Structural Analysis Professional 20.21  
 File: RH25X80-10M-P4-20-105-33.rtd  
 Author: Address: Project: RH25X80-10M-P4-20-105-33

BarNodeCase	FX (kip)	FY (kip)
21/15/29 (C)	-5.52	-0.10
21/15/30 (C)	-4.63	0.02
21/15/31 (C)	-4.73	0.02
21/15/32 (C)	-0.32	-0.20
21/15/33 (C)	-0.54	-0.05
21/15/34 (C)	0.25	0.19
21/15/35 (C)	-1.81	-0.15
21/15/36 (C)	-0.81	-0.05
21/15/37 (C)	-0.97	0.05
21/15/18 (C)	-1.42	0.02
21/15/19 (C)	-5.81	0.02
21/15/20 (C)	0.94	0.24
21/15/21 (C)	-1.12	-0.02
21/15/22 (C)	-0.32	-0.18
21/15/23 (C)	-2.48	0.24
21/15/24 (C)	-1.36	0.03
21/15/25 (C)	-1.60	0.01
21/15/26 (C)	-3.21	0.02
21/15/27 (C)	-4.48	-0.01
21/15/28 (C)	-3.88	-0.15
21/15/29 (C)	-5.50	0.15
21/15/30 (C)	-4.88	0.03
21/15/31 (C)	-4.75	0.02
21/15/32 (C)	-0.32	0.26
21/15/33 (C)	-0.54	-0.05
21/15/34 (C)	0.25	-0.18
21/15/35 (C)	-1.81	0.03
21/15/36 (C)	-0.81	0.02
21/15/37 (C)	-0.91	0.05
22/14/19 (C)	-1.42	-0.05
22/14/20 (C)	-6.81	-0.02
22/14/21 (C)	-0.75	0.22
22/14/22 (C)	-1.62	0.24
22/14/23 (C)	-0.32	0.18
22/14/24 (C)	-2.48	-0.24
22/14/25 (C)	-1.48	0.02
22/14/26 (C)	-1.50	-0.01
22/14/27 (C)	-5.00	-0.01
22/14/28 (C)	-3.88	0.17
22/14/29 (C)	-3.88	0.18
22/14/30 (C)	-5.50	-0.18
22/14/31 (C)	-4.74	-0.02
22/14/32 (C)	-4.75	-0.02
22/14/33 (C)	-1.28	0.02
22/14/34 (C)	-1.25	0.24
22/14/35 (C)	0.25	0.19
22/14/36 (C)	-1.81	-0.23
22/14/37 (C)	-0.80	0.02
22/14/38 (C)	-0.81	-0.02

Date: 3/10/24 Page: 31

Autodesk Robot Structural Analysis Professional 20.21  
 File: RH25X80-10M-P4-20-105-33.rtd  
 Author: Address: Project: RH25X80-10M-P4-20-105-33

BarNodeCase	FX (kip)	FY (kip)
22/16/18 (C)	-1.42	-0.00
22/16/19 (C)	-5.81	-0.02
22/16/20 (C)	-0.29	-0.29
22/16/21 (C)	-1.82	-0.32
22/16/22 (C)	-0.32	-0.19
22/16/23 (C)	-2.48	0.16
22/16/24 (C)	-1.48	-0.03
22/16/25 (C)	-1.65	-0.01
22/16/26 (C)	-3.00	-0.02
22/16/27 (C)	-5.01	-0.16
22/16/28 (C)	-3.88	-0.16
22/16/29 (C)	-5.80	0.10
22/16/30 (C)	-4.74	-0.03
22/16/31 (C)	-4.73	-0.02
22/16/32 (C)	-1.24	-0.08
22/16/33 (C)	-1.25	-0.22
22/16/34 (C)	0.25	-0.19
22/16/35 (C)	-1.81	0.16
22/16/36 (C)	-0.80	-0.02
22/16/37 (C)	-0.87	-0.00
23/13/18 (C)	-1.38	0.00
23/13/19 (C)	-5.59	0.00
23/13/20 (C)	0.80	-0.27
23/13/21 (C)	-1.10	-0.00
23/13/22 (C)	-0.35	0.22
23/13/23 (C)	-2.89	-0.17
23/13/24 (C)	-1.82	-0.03
23/13/25 (C)	-1.35	0.00
23/13/26 (C)	-4.15	-0.20
23/13/27 (C)	-4.33	-0.00
23/13/28 (C)	-3.77	0.16
23/13/29 (C)	-5.80	-0.12
23/13/30 (C)	-4.51	-0.01
23/13/31 (C)	-4.53	0.00
23/13/32 (C)	-0.30	-0.26
23/13/33 (C)	-0.95	-0.00
23/13/34 (C)	0.21	0.22
23/13/35 (C)	-1.64	-0.17
23/13/36 (C)	-3.88	0.02
23/13/37 (C)	-3.81	0.00
23/13/38 (C)	-1.38	0.00
23/13/39 (C)	-5.00	0.00
23/13/40 (C)	0.80	0.27
23/13/41 (C)	-1.10	0.00
23/13/42 (C)	-0.35	-0.17
23/13/43 (C)	-2.89	0.21
23/13/44 (C)	-1.82	-0.03
23/13/45 (C)	-1.35	0.00
23/13/46 (C)	-4.15	-0.20

Date: 3/10/24 Page: 32

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Project: RH25X60-10M-P4-20-105-33  
 Address:

Bar/Node/Case	FX (kN)	FY (kN)
23/11/27 (C)	-4.33	0.00
23/11/28 (C)	-5.77	-0.13
23/11/29 (C)	-5.50	0.16
23/11/30 (C)	-4.91	0.01
23/11/31 (C)	-4.95	0.00
23/11/32 (C)	-5.33	0.26
23/11/33 (C)	-5.55	0.00
23/11/34 (C)	3.21	-0.17
23/11/35 (C)	-1.84	0.21
23/11/36 (C)	-5.79	0.02
23/11/37 (C)	-2.65	0.00
24/12/18 (C)	-1.93	-0.00
24/12/19 (C)	-5.93	-0.00
24/12/20 (C)	-5.75	0.27
24/12/21 (C)	-1.77	0.25
24/12/22 (C)	-2.95	0.17
24/12/23 (C)	-2.39	-0.21
24/12/24 (C)	-1.44	0.05
24/12/25 (C)	-1.45	-0.00
24/12/26 (C)	-4.81	0.05
24/12/27 (C)	-4.63	0.17
24/12/28 (C)	-5.77	0.13
24/12/29 (C)	-3.30	-0.16
24/12/30 (C)	-4.57	0.01
24/12/31 (C)	-4.55	-0.00
24/12/32 (C)	-1.13	0.06
24/12/33 (C)	1.32	0.20
24/12/34 (C)	-3.21	0.17
24/12/35 (C)	-1.04	-0.21
24/12/36 (C)	-3.97	0.02
24/12/37 (C)	-3.05	-0.00
24/14/18 (C)	-1.38	-0.00
24/14/19 (C)	-5.69	-0.00
24/14/20 (C)	-5.76	-0.27
24/14/21 (C)	-1.77	-0.25
24/14/22 (C)	-2.35	-0.22
24/14/23 (C)	-2.33	0.17
24/14/24 (C)	-1.44	-0.05
24/14/25 (C)	-1.35	-0.00
24/14/26 (C)	-4.91	-0.00
24/14/27 (C)	-4.63	-0.17
24/14/28 (C)	-3.77	0.16
24/14/29 (C)	-5.33	0.13
24/14/30 (C)	-4.57	-0.01
24/14/31 (C)	-4.93	-0.00
24/14/32 (C)	-1.13	-0.04
24/14/33 (C)	-1.22	-0.20
24/14/34 (C)	5.21	-0.22
24/14/35 (C)	-1.84	0.17

Date: 31/05/24 Page: 33

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Project: RH25X60-10M-P4-20-105-33  
 Address:

Bar/Node/Case	FX (kN)	FY (kN)
24/14/36 (C)	-0.81	-0.00
24/14/37 (C)	-0.81	-0.00
25/26/18 (C)	1.45	-0.00
25/26/19 (C)	5.69	-0.00
25/26/20 (C)	5.04	0.41
25/26/21 (C)	0.34	0.16
25/26/22 (C)	-0.83	-0.00
25/26/23 (C)	3.65	-0.00
25/26/24 (C)	1.45	0.00
25/26/25 (C)	1.39	-0.00
25/26/26 (C)	5.44	0.17
25/26/27 (C)	3.80	0.13
25/26/28 (C)	3.92	-0.00
25/26/29 (C)	6.21	-0.00
25/26/30 (C)	4.63	-0.00
25/26/31 (C)	4.60	-0.00
25/26/32 (C)	1.94	0.23
25/26/33 (C)	4.24	0.18
25/26/34 (C)	-1.41	-0.00
25/26/35 (C)	2.97	-0.00
25/26/36 (C)	0.87	0.00
25/26/37 (C)	0.82	-0.00
25/26/18 (C)	1.45	-0.00
25/26/19 (C)	5.69	-0.00
25/26/20 (C)	-0.04	0.63
25/26/21 (C)	0.54	0.27
25/26/22 (C)	-0.83	-0.00
25/26/23 (C)	3.65	-0.00
25/26/24 (C)	1.45	0.00
25/26/25 (C)	1.37	-0.00
25/26/26 (C)	5.44	0.27
25/26/27 (C)	3.80	0.20
25/26/28 (C)	3.92	-0.00
25/26/29 (C)	6.21	-0.00
25/26/30 (C)	4.63	0.21
25/26/31 (C)	-2.59	-0.00
25/26/32 (C)	1.94	0.36
25/26/33 (C)	-0.24	0.27
25/26/34 (C)	-1.41	-0.00
25/26/35 (C)	2.97	-0.00
25/26/36 (C)	0.87	0.00
25/26/37 (C)	0.82	0.00
25/26/18 (C)	1.69	0.00
25/26/19 (C)	6.08	0.00
25/26/20 (C)	-0.09	0.25
25/26/21 (C)	0.26	0.11
25/26/22 (C)	-1.05	0.00
25/26/23 (C)	4.42	0.00
25/26/24 (C)	1.69	0.00

Date: 31/05/24 Page: 34

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address  
 Project: RH25X60-10M-P4-20-105-33

BarNodeCase	FX (kip)	FY (kip)
26 26 25 (C)	1.56	0.00
26 26 26 (C)	6.60	0.11
26 26 27 (C)	4.20	0.08
26 26 28 (C)	3.51	0.00
26 26 29 (C)	7.81	0.00
26 26 30 (C)	5.65	0.01
26 26 31 (C)	2.38	0.14
26 26 32 (C)	-0.41	0.11
26 26 33 (C)	-1.72	0.00
26 26 34 (C)	3.74	-0.01
26 26 35 (C)	1.01	0.02
26 26 37 (C)	0.99	0.00
26 27 18 (C)	1.69	0.00
26 27 19 (C)	6.86	0.00
26 27 20 (C)	-0.05	-0.26
26 27 21 (C)	-0.26	-0.11
26 27 22 (C)	-1.05	0.00
26 27 23 (C)	4.42	0.00
26 27 24 (C)	1.69	-0.02
26 27 25 (C)	1.71	0.00
26 27 26 (C)	6.60	-0.11
26 27 27 (C)	4.50	-0.08
26 27 28 (C)	5.61	0.00
26 27 29 (C)	7.61	0.00
26 27 30 (C)	5.95	-0.01
26 27 31 (C)	2.39	-0.14
26 27 32 (C)	-1.72	-0.11
26 27 34 (C)	3.74	0.00
26 27 35 (C)	1.01	-0.02
26 27 37 (C)	1.03	0.00
27 27 18 (C)	1.65	0.00
27 27 19 (C)	5.69	0.00
27 27 21 (C)	-0.04	-0.41
27 27 22 (C)	0.94	-0.19
27 27 23 (C)	-0.64	-0.00
27 27 24 (C)	3.70	0.00
27 27 25 (C)	1.45	-0.00
27 27 26 (C)	1.50	0.00
27 27 28 (C)	5.64	-0.11
27 27 29 (C)	2.80	-0.13
27 27 30 (C)	3.07	0.00
27 27 31 (C)	6.52	0.00
27 27 32 (C)	4.56	-0.00
27 27 33 (C)	1.84	-0.23
27 27 35 (C)	0.24	-0.16

Date: 3/10/2024 Page: 35

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address  
 Project: RH25X60-10M-P4-20-105-33

BarNodeCase	FX (kip)	FY (kip)
27 27 34 (C)	-1.22	-0.00
27 27 35 (C)	3.12	0.00
27 27 36 (C)	0.83	-0.00
27 27 37 (C)	0.91	0.00
27 28 18 (C)	1.45	0.00
27 28 19 (C)	5.65	0.00
27 28 20 (C)	-0.64	-0.65
27 28 21 (C)	0.34	-0.27
27 28 22 (C)	-0.64	-0.00
27 28 23 (C)	3.75	0.00
27 28 24 (C)	1.45	-0.02
27 28 25 (C)	1.52	0.00
27 28 26 (C)	5.44	-0.27
27 28 27 (C)	3.80	-0.20
27 28 28 (C)	3.07	0.00
27 28 29 (C)	6.22	0.00
27 28 30 (C)	-4.65	-0.01
27 28 31 (C)	4.83	0.00
27 28 32 (C)	1.34	-0.36
27 28 33 (C)	-0.24	-0.37
27 28 34 (C)	-1.23	-0.00
27 28 35 (C)	3.12	0.00
27 29 36 (C)	0.87	-0.02
27 29 37 (C)	0.62	0.00
28 17 18 (C)	0.65	0.05
28 17 19 (C)	3.45	0.25
28 17 21 (C)	-0.02	0.00
28 17 22 (C)	1.18	0.62
28 17 23 (C)	0.45	0.05
28 17 24 (C)	1.37	0.05
28 17 25 (C)	0.75	0.05
28 17 26 (C)	0.75	0.05
28 17 27 (C)	3.50	0.00
28 17 28 (C)	3.87	0.00
28 17 29 (C)	2.58	0.20
28 17 30 (C)	3.31	0.30
28 17 31 (C)	2.16	0.20
28 17 32 (C)	2.75	0.16
28 17 33 (C)	0.88	0.02
28 17 34 (C)	0.85	0.03
28 17 35 (C)	0.15	0.05
28 17 36 (C)	1.55	0.05
28 17 37 (C)	0.43	0.02
28 18 18 (C)	0.43	0.02
28 18 19 (C)	0.50	-0.02
28 18 20 (C)	3.45	-0.25
28 18 21 (C)	-0.02	0.00
28 18 22 (C)	1.18	-0.62
28 18 23 (C)	0.45	0.05

Date: 3/10/2024 Page: 36

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-F4-20-106-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-F4-20-106-33

BarNodeCase	Fx (kip)	Fy (kip)	Fz (kip)
28-18-23 (C)	1.37	-0.05	
28-18-24 (C)	0.62	-0.02	
28-18-25 (C)	0.73	-0.02	
28-18-26 (C)	2.50	-0.10	
28-18-27 (C)	3.07	-0.20	
28-18-28 (C)	2.53	-0.20	
28-18-29 (C)	3.21	-0.10	
28-18-30 (C)	2.80	-0.10	
28-18-31 (C)	2.75	-0.15	
28-18-32 (C)	0.69	-0.05	
28-18-33 (C)	0.65	-0.03	
28-18-34 (C)	0.73	-0.03	
28-18-35 (C)	1.05	-0.03	
28-18-36 (C)	0.50	-0.03	
28-18-37 (C)	0.43	-0.02	
28-24-18 (C)	0.60	0.02	
28-24-19 (C)	3.45	0.25	
28-24-20 (C)	-0.02	-0.03	
28-24-21 (C)	1.18	0.03	
28-24-22 (C)	0.19	0.05	
28-24-23 (C)	3.17	0.03	
28-24-24 (C)	0.82	0.05	
28-24-25 (C)	0.66	0.07	
28-24-26 (C)	2.40	0.02	
28-24-27 (C)	3.07	0.10	
28-24-28 (C)	2.33	0.10	
28-24-29 (C)	3.07	0.10	
28-24-30 (C)	2.80	0.10	
28-24-31 (C)	2.63	0.21	
28-24-32 (C)	0.69	0.03	
28-24-33 (C)	0.65	0.03	
28-24-34 (C)	-0.13	0.03	
28-24-35 (C)	0.65	0.03	
28-24-36 (C)	0.40	0.03	
28-24-37 (C)	0.44	0.04	
28-24-38 (C)	0.60	-0.06	
28-24-39 (C)	3.45	-0.15	
28-24-40 (C)	-0.02	-0.03	
28-24-41 (C)	1.18	-0.05	
28-24-42 (C)	0.19	-0.02	
28-24-43 (C)	1.17	-0.02	
28-24-44 (C)	0.76	-0.05	
28-24-45 (C)	0.68	-0.07	
28-24-46 (C)	2.40	-0.10	
28-24-47 (C)	3.07	-0.10	
28-24-48 (C)	2.93	-0.10	
28-24-49 (C)	3.07	-0.10	
28-24-50 (C)	2.76	-0.10	
28-24-51 (C)	2.63	-0.11	

Date: 3/1/2024 Page: 37

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-F4-20-106-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-F4-20-106-33

BarNodeCase	Fx (kip)	Fy (kip)	Fz (kip)
30-19-23 (C)		0.09	-0.08
30-19-24 (C)		0.85	-0.02
30-19-25 (C)		-0.13	-0.03
30-19-26 (C)		0.85	-0.03
30-19-27 (C)		0.47	-0.03
30-19-28 (C)		0.54	-0.04
30-19-29 (C)		0.79	0.06
30-19-30 (C)		3.37	0.20
30-19-31 (C)		0.11	-0.01
30-19-32 (C)		1.66	0.06
30-19-33 (C)		1.06	0.06
30-19-34 (C)		0.97	0.06
30-19-35 (C)		0.74	0.04
30-19-36 (C)		0.93	0.06
30-19-37 (C)		2.14	0.25
30-19-38 (C)		0.39	0.25
30-19-39 (C)		1.92	0.25
30-19-40 (C)		2.86	0.25
30-19-41 (C)		2.70	0.24
30-19-42 (C)		3.79	0.25
30-19-43 (C)		-0.31	0.04
30-19-44 (C)		1.36	0.04
30-19-45 (C)		0.73	0.04
30-19-46 (C)		0.65	0.04
30-19-47 (C)		0.44	0.02
30-19-48 (C)		0.68	0.04
30-19-49 (C)		0.79	-0.06
30-19-50 (C)		3.37	-0.32
30-19-51 (C)		0.11	0.00
30-19-52 (C)		1.69	-0.06
30-19-53 (C)		1.05	-0.06
30-19-54 (C)		0.97	-0.06
30-19-55 (C)		0.74	-0.04
30-19-56 (C)		0.74	-0.06
30-19-57 (C)		2.14	-0.26
30-19-58 (C)		3.39	-0.26
30-19-59 (C)		2.92	-0.26
30-19-60 (C)		2.86	-0.26
30-19-61 (C)		2.79	-0.24
30-19-62 (C)		2.73	-0.25
30-19-63 (C)		-0.31	-0.04
30-19-64 (C)		1.36	-0.04
30-19-65 (C)		0.79	-0.04
30-19-66 (C)		0.65	-0.04
30-19-67 (C)		0.44	-0.02
30-19-68 (C)		0.68	-0.04
30-19-69 (C)		0.79	-0.06
30-19-70 (C)		3.37	-0.32
30-19-71 (C)		0.11	0.00
30-19-72 (C)		1.69	-0.06
30-19-73 (C)		1.05	-0.06
30-19-74 (C)		0.97	-0.06
30-19-75 (C)		0.74	-0.04
30-19-76 (C)		0.74	-0.06
30-19-77 (C)		2.14	-0.26
30-19-78 (C)		3.39	-0.26
30-19-79 (C)		2.92	-0.26
30-19-80 (C)		2.86	-0.26
30-19-81 (C)		2.79	-0.24
30-19-82 (C)		2.73	-0.25
30-19-83 (C)		-0.31	-0.04
30-19-84 (C)		1.36	-0.04
30-19-85 (C)		0.79	-0.04
30-19-86 (C)		0.65	-0.04
30-19-87 (C)		0.44	-0.02
30-19-88 (C)		0.68	-0.04
30-19-89 (C)		0.79	-0.06
30-19-90 (C)		3.37	-0.32
30-19-91 (C)		0.11	0.00
30-19-92 (C)		1.69	-0.06
30-19-93 (C)		1.05	-0.06
30-19-94 (C)		0.97	-0.06
30-19-95 (C)		0.74	-0.04
30-19-96 (C)		0.74	-0.06
30-19-97 (C)		2.14	-0.26
30-19-98 (C)		3.39	-0.26
30-19-99 (C)		2.92	-0.26
30-19-100 (C)		2.86	-0.26
30-19-101 (C)		2.79	-0.24
30-19-102 (C)		2.73	-0.25
30-19-103 (C)		-0.31	-0.04
30-19-104 (C)		1.36	-0.04
30-19-105 (C)		0.79	-0.04
30-19-106 (C)		0.65	-0.04
30-19-107 (C)		0.44	-0.02
30-19-108 (C)		0.68	-0.04
30-19-109 (C)		0.79	-0.06
30-19-110 (C)		3.37	-0.32
30-19-111 (C)		0.11	0.00
30-19-112 (C)		1.69	-0.06
30-19-113 (C)		1.05	-0.06
30-19-114 (C)		0.97	-0.06
30-19-115 (C)		0.74	-0.04
30-19-116 (C)		0.74	-0.06
30-19-117 (C)		2.14	-0.26
30-19-118 (C)		3.39	-0.26
30-19-119 (C)		2.92	-0.26
30-19-120 (C)		2.86	-0.26
30-19-121 (C)		2.79	-0.24
30-19-122 (C)		2.73	-0.25
30-19-123 (C)		-0.31	-0.04
30-19-124 (C)		1.36	-0.04
30-19-125 (C)		0.79	-0.04
30-19-126 (C)		0.65	-0.04
30-19-127 (C)		0.44	-0.02
30-19-128 (C)		0.68	-0.04
30-19-129 (C)		0.79	-0.06
30-19-130 (C)		3.37	-0.32
30-19-131 (C)		0.11	0.00
30-19-132 (C)		1.69	-0.06
30-19-133 (C)		1.05	-0.06
30-19-134 (C)		0.97	-0.06
30-19-135 (C)		0.74	-0.04
30-19-136 (C)		0.74	-0.06
30-19-137 (C)		2.14	-0.26
30-19-138 (C)		3.39	-0.26
30-19-139 (C)		2.92	-0.26
30-19-140 (C)		2.86	-0.26
30-19-141 (C)		2.79	-0.24
30-19-142 (C)		2.73	-0.25
30-19-143 (C)		-0.31	-0.04
30-19-144 (C)		1.36	-0.04
30-19-145 (C)		0.79	-0.04
30-19-146 (C)		0.65	-0.04
30-19-147 (C)		0.44	-0.02
30-19-148 (C)		0.68	-0.04
30-19-149 (C)		0.79	-0.06
30-19-150 (C)		3.37	-0.32
30-19-151 (C)		0.11	0.00
30-19-152 (C)		1.69	-0.06
30-19-153 (C)		1.05	-0.06
30-19-154 (C)		0.97	-0.06
30-19-155 (C)		0.74	-0.04
30-19-156 (C)		0.74	-0.06
30-19-157 (C)		2.14	-0.26
30-19-158 (C)		3.39	-0.26
30-19-159 (C)		2.92	-0.26
30-19-160 (C)		2.86	-0.26
30-19-161 (C)		2.79	-0.24
30-19-162 (C)		2.73	-0.25
30-19-163 (C)		-0.31	-0.04
30-19-164 (C)		1.36	-0.04
30-19-165 (C)		0.79	-0.04
30-19-166 (C)		0.65	-0.04
30-19-167 (C)		0.44	-0.02
30-19-168 (C)		0.68	-0.04
30-19-169 (C)		0.79	-0.06
30-19-170 (C)		3.37	-0.32
30-19-171 (C)		0.11	0.00
30-19-172 (C)		1.69	-0.06
30-19-173 (C)		1.05	-0.06
30-19-174 (C)		0.97	-0.06
30-19-175 (C)		0.74	-0.04
30-19-176 (C)		0.74	-0.06
30-19-177 (C)		2.14	-0.26
30-19-178 (C)		3.39	-0.26
30-19-179 (C)		2.92	-0.26
30-19-180 (C)		2.86	-0.26
30-19-181 (C)		2.79	-0.24
30-19-182 (C)		2.73	-0.25
30-19-183 (C)		-0.31	-0.04
30-19-184 (C)		1.36	-0.04
30-19-185 (C)		0.79	-0.04
30-19-186 (C)		0.65	-0.04
30-19-187 (C)		0.44	-0.02
30-19-188 (C)		0.68	-0.04
30-19-189 (C)		0.79	-0.06
30-19-190 (C)		3.37	-0.32
30-19-191 (C)		0.11	0.00
30-19-192 (C)		1.69	-0.06
30-19-193 (C)		1.05	-0.06
30-19-194 (C)		0.97	-0.06
30-19-195 (C)		0.74	-0.04
30-19-196 (C)		0.74	-0.06
30-19-197 (C)		2.14	-0.26
30-19-198 (C)		3.39	-0.26
30-19-199 (C)		2.92	-0.26
30-19-200 (C)		2.86	-0.26
30-19-201 (C)		2.79	-0.24
30-19-202 (C)		2.73	-0.25
30-19-203 (C)		-0.31	-0.04
30-19-204 (C)		1.36	-0.04
30-19-205 (C)		0.79	-0.04
30-19-206 (C)		0.65	-0.04
30-19-207 (C)		0.44	-0.02
30-19-208 (C)		0.68	-0.04
30-19-209 (C)		0.79	-0.06
30-19-210 (C)		3.37	-0.32
30-19-211 (C)		0.11	0.00
30-19-212 (C)		1.69	-0.06
30-19-213 (C)		1.05	-0.06
30-19-214 (C)		0.97	-0.06
30-19-215 (C)		0.74	-0.04
30-19-216 (C)		0.74	-0.06
30-19-217 (C)		2.14	-0.26
30-19-218 (C)		3.39	-0.26
30-19-219 (C)		2.92	-0.26
30-19-220 (C)		2.86	-0.26
30-19-221 (C)		2.79	-0.24
30-19-222 (C)		2.73	-0.25
30-19-223 (C)		-0.31	-0.04
30-19-224 (C)		1.36	-0.04
30-19-225 (C)		0.79	-0.04
30-19-226 (C)		0.65	-0.04
30-19-227 (C)		0.44	-0.02
30-19-228 (C)		0.68	-0.04
30-19-229 (C)		0.79	-0.06
30-19-230 (C)		3.37	-0.32
30-19-231 (C)		0.11	0.00
30-19-232 (C)		1.69	-0.06
30-19-233 (C)		1.05	-0.06
30-19-234 (C)		0.97	-0.06
30-19-235 (C)		0.74	-0.04
30-19-236 (C)		0.74	-0.06
30-19-237 (C)		2.14	-0.26
30-19-238 (C)		3.39	-0.26
30-19-239 (C)		2.92	-0.26
30-19-240 (C)		2.86	-0.26
30-19-241 (C)		2.79	-0.24
30-19-242 (C)		2.73	-0.25
30-19-243 (C)		-0.31	-0.04
30-19-244 (C)		1.36	-0.04
30-19-245 (C)		0.79	-0.04
30-19-246 (C)		0.65	-0.04
30-19-247 (C)		0.44	-0.02
30-19-248 (C)		0.68	-0.04
30-19-249 (C)		0.79	-0.06
30-19-250 (C)		3.37	-0.32
30-19-251 (C)		0.11	0.00
30-19-252 (C)		1.69	-0.06
30-19-253 (C)		1.05	-0.06
30-19-254 (C)		0.97	-0.06
30-19-255			

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	Fx (kip)	Fy (kip)	Fz (kip)
311.18.21 (C)	1.56	0.02	0.02
311.18.22 (C)	1.02	0.02	0.02
311.18.23 (C)	0.97	0.02	0.02
311.18.24 (C)	0.84	0.03	0.03
311.18.25 (C)	0.74	0.02	0.02
311.18.26 (C)	2.04	0.25	0.25
311.18.27 (C)	3.31	0.25	0.25
311.18.28 (C)	2.62	0.12	0.12
311.18.29 (C)	2.06	0.02	0.02
311.18.30 (C)	2.76	0.27	0.27
311.18.31 (C)	2.70	0.25	0.25
311.18.32 (C)	-0.44	0.04	0.04
311.18.33 (C)	1.26	0.04	0.04
311.18.34 (C)	0.73	0.04	0.04
311.18.35 (C)	0.65	0.04	0.04
311.18.36 (C)	0.51	0.05	0.05
311.18.37 (C)	0.44	0.04	0.04
311.20.18 (C)	0.79	-0.06	-0.06
311.20.19 (C)	3.37	-0.32	-0.32
311.20.20 (C)	0.12	-0.02	-0.02
311.20.21 (C)	1.66	-0.02	-0.02
311.20.22 (C)	1.05	-0.02	-0.02
311.20.23 (C)	0.97	-0.02	-0.02
311.20.24 (C)	0.84	-0.02	-0.02
311.20.25 (C)	0.80	-0.02	-0.02
311.20.26 (C)	2.04	-0.25	-0.25
311.20.27 (C)	3.31	-0.25	-0.25
311.20.28 (C)	2.92	-0.25	-0.25
311.20.29 (C)	2.66	-0.25	-0.25
311.20.30 (C)	2.76	-0.37	-0.37
311.20.31 (C)	2.70	-0.32	-0.32
311.20.32 (C)	-0.44	-0.04	-0.04
311.20.33 (C)	1.26	-0.04	-0.04
311.20.34 (C)	0.73	-0.04	-0.04
311.20.35 (C)	0.65	-0.04	-0.04
311.20.36 (C)	0.51	-0.05	-0.05
311.20.37 (C)	0.46	-0.04	-0.04
312.23.19 (C)	0.79	0.02	0.02
312.23.20 (C)	3.37	0.32	0.32
312.23.21 (C)	0.11	0.02	0.02
312.23.22 (C)	1.66	0.02	0.02
312.23.23 (C)	1.02	0.02	0.02
312.23.24 (C)	0.97	0.02	0.02
312.23.25 (C)	0.84	0.03	0.03
312.23.26 (C)	0.74	0.02	0.02
312.23.27 (C)	2.04	0.25	0.25
312.23.28 (C)	3.39	0.25	0.25
312.23.29 (C)	2.62	0.12	0.12
312.23.30 (C)	2.06	0.02	0.02

Date: 3/10/24 Page: 39

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	Fx (kip)	Fy (kip)	Fz (kip)
302.23.30 (C)	2.70	0.24	0.24
302.23.31 (C)	2.76	0.24	0.24
302.23.32 (C)	-0.51	0.04	0.04
302.23.33 (C)	1.56	0.04	0.04
302.23.34 (C)	0.73	0.04	0.04
302.23.35 (C)	0.51	0.04	0.04
302.23.36 (C)	0.44	0.02	0.02
302.23.37 (C)	0.51	0.04	0.04
302.24.18 (C)	0.79	-0.06	-0.06
302.24.19 (C)	3.37	-0.32	-0.32
302.24.20 (C)	0.11	-0.02	-0.02
302.24.21 (C)	1.66	-0.02	-0.02
302.24.22 (C)	1.02	-0.02	-0.02
302.24.23 (C)	0.97	-0.02	-0.02
302.24.24 (C)	0.84	-0.02	-0.02
302.24.25 (C)	0.80	-0.02	-0.02
302.24.26 (C)	2.04	-0.25	-0.25
302.24.27 (C)	3.31	-0.25	-0.25
302.24.28 (C)	2.92	-0.25	-0.25
302.24.29 (C)	2.66	-0.25	-0.25
302.24.30 (C)	2.76	-0.37	-0.37
302.24.31 (C)	2.70	-0.32	-0.32
302.24.32 (C)	-0.44	-0.04	-0.04
302.24.33 (C)	1.26	-0.04	-0.04
302.24.34 (C)	0.73	-0.04	-0.04
302.24.35 (C)	0.65	-0.04	-0.04
302.24.36 (C)	0.51	-0.05	-0.05
302.24.37 (C)	0.44	-0.04	-0.04
303.23.19 (C)	0.79	0.02	0.02
303.23.20 (C)	3.37	0.32	0.32
303.23.21 (C)	0.11	0.02	0.02
303.23.22 (C)	1.66	0.02	0.02
303.23.23 (C)	1.02	0.02	0.02
303.23.24 (C)	0.97	0.02	0.02
303.23.25 (C)	0.84	0.03	0.03
303.23.26 (C)	0.74	0.02	0.02
303.23.27 (C)	2.04	0.25	0.25
303.23.28 (C)	3.39	0.25	0.25
303.23.29 (C)	2.62	0.12	0.12
303.23.30 (C)	2.06	0.02	0.02
303.23.31 (C)	2.76	0.24	0.24
303.23.32 (C)	2.70	0.24	0.24
303.23.33 (C)	-0.51	0.04	0.04
303.23.34 (C)	1.56	0.04	0.04
303.23.35 (C)	0.73	0.04	0.04
303.23.36 (C)	0.51	0.04	0.04
303.23.37 (C)	0.44	0.02	0.02
303.24.18 (C)	0.79	-0.06	-0.06
303.24.19 (C)	3.37	-0.32	-0.32
303.24.20 (C)	0.11	-0.02	-0.02
303.24.21 (C)	1.66	-0.02	-0.02
303.24.22 (C)	1.02	-0.02	-0.02
303.24.23 (C)	0.97	-0.02	-0.02
303.24.24 (C)	0.84	-0.02	-0.02
303.24.25 (C)	0.80	-0.02	-0.02
303.24.26 (C)	2.04	-0.25	-0.25
303.24.27 (C)	3.31	-0.25	-0.25
303.24.28 (C)	2.92	-0.25	-0.25
303.24.29 (C)	2.66	-0.25	-0.25
303.24.30 (C)	2.76	-0.37	-0.37
303.24.31 (C)	2.70	-0.32	-0.32
303.24.32 (C)	-0.44	-0.04	-0.04
303.24.33 (C)	1.26	-0.04	-0.04
303.24.34 (C)	0.73	-0.04	-0.04
303.24.35 (C)	0.65	-0.04	-0.04
303.24.36 (C)	0.51	-0.05	-0.05
303.24.37 (C)	0.44	-0.04	-0.04
304.23.19 (C)	0.79	0.02	0.02
304.23.20 (C)	3.37	0.32	0.32
304.23.21 (C)	0.11	0.02	0.02
304.23.22 (C)	1.66	0.02	0.02
304.23.23 (C)	1.02	0.02	0.02
304.23.24 (C)	0.97	0.02	0.02
304.23.25 (C)	0.84	0.03	0.03
304.23.26 (C)	0.74	0.02	0.02
304.23.27 (C)	2.04	0.25	0.25
304.23.28 (C)	3.39	0.25	0.25
304.23.29 (C)	2.62	0.12	0.12
304.23.30 (C)	2.06	0.02	0.02

Date: 3/10/24 Page: 40

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address: Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	Fx (kip)	Fy (kip)
34/19/28 (C)	-0.37	-0.32
34/19/29 (C)	-0.13	-0.02
34/19/30 (C)	-0.59	-0.05
34/19/31 (C)	0.54	-0.05
34/19/32 (C)	0.57	-0.07
34/19/33 (C)	0.64	-0.03
34/19/34 (C)	0.98	-0.05
34/19/35 (C)	2.04	-0.25
34/19/36 (C)	3.31	-0.75
34/19/37 (C)	3.59	-0.75
34/19/38 (C)	2.58	-0.75
34/19/39 (C)	2.15	-0.77
34/19/40 (C)	-0.64	-0.04
34/19/41 (C)	1.36	-0.04
34/19/42 (C)	0.22	-0.04
34/19/43 (C)	0.36	-0.04
34/19/44 (C)	0.51	-0.05
34/19/45 (C)	0.51	-0.04
34/21/18 (C)	0.64	0.03
34/21/19 (C)	2.63	0.44
34/21/20 (C)	0.43	-0.03
34/21/21 (C)	1.80	0.02
34/21/22 (C)	0.95	0.03
34/21/23 (C)	0.31	0.03
34/21/24 (C)	0.67	0.03
34/21/25 (C)	1.56	0.35
34/21/26 (C)	3.02	0.52
34/21/27 (C)	2.37	0.57
34/21/28 (C)	1.68	0.35
34/21/29 (C)	2.11	0.33
34/21/30 (C)	2.15	0.35
34/21/31 (C)	-0.37	0.05
34/21/32 (C)	1.57	0.05
34/21/33 (C)	0.70	0.05
34/21/34 (C)	0.05	0.05
34/21/35 (C)	0.41	0.05
34/19/18 (C)	0.64	-0.03
34/19/19 (C)	2.63	-0.44
34/19/20 (C)	0.43	0.02
34/19/21 (C)	1.83	-0.03
34/19/22 (C)	0.95	-0.03
34/19/23 (C)	0.31	-0.03
34/19/24 (C)	0.67	-0.03
34/19/25 (C)	1.56	-0.35
34/19/26 (C)	3.02	-0.52
34/19/27 (C)	2.37	-0.57
34/19/28 (C)	1.68	-0.35
34/19/29 (C)	2.11	-0.33
34/19/30 (C)	2.15	-0.35
34/19/31 (C)	-0.37	0.05
34/19/32 (C)	1.57	0.05
34/19/33 (C)	0.70	0.05
34/19/34 (C)	0.05	0.05
34/19/35 (C)	0.41	0.05
34/19/36 (C)	0.64	-0.03
34/19/37 (C)	2.63	-0.44
34/19/38 (C)	0.43	0.02
34/19/39 (C)	1.83	-0.03
34/19/40 (C)	0.95	-0.03
34/19/41 (C)	0.31	-0.03
34/19/42 (C)	0.67	-0.03
34/19/43 (C)	1.56	-0.35
34/19/44 (C)	3.02	-0.52
34/19/45 (C)	2.37	-0.57
34/19/46 (C)	1.68	-0.35
34/19/47 (C)	2.11	-0.33
34/19/48 (C)	2.15	-0.35
34/19/49 (C)	-0.37	0.05
34/19/50 (C)	1.57	0.05
34/19/51 (C)	0.70	0.05
34/19/52 (C)	0.05	0.05
34/19/53 (C)	0.41	0.05
34/19/54 (C)	0.64	-0.03
34/19/55 (C)	2.63	-0.44
34/19/56 (C)	0.43	0.02
34/19/57 (C)	1.83	-0.03
34/19/58 (C)	0.95	-0.03
34/19/59 (C)	0.31	-0.03
34/19/60 (C)	0.67	-0.03
34/19/61 (C)	1.56	-0.35
34/19/62 (C)	3.02	-0.52
34/19/63 (C)	2.37	-0.57
34/19/64 (C)	1.68	-0.35
34/19/65 (C)	2.11	-0.33
34/19/66 (C)	2.15	-0.35
34/19/67 (C)	-0.37	0.05
34/19/68 (C)	1.57	0.05
34/19/69 (C)	0.70	0.05
34/19/70 (C)	0.05	0.05
34/19/71 (C)	0.41	0.05
34/19/72 (C)	0.64	-0.03
34/19/73 (C)	2.63	-0.44
34/19/74 (C)	0.43	0.02
34/19/75 (C)	1.83	-0.03
34/19/76 (C)	0.95	-0.03
34/19/77 (C)	0.31	-0.03
34/19/78 (C)	0.67	-0.03
34/19/79 (C)	1.56	-0.35
34/19/80 (C)	3.02	-0.52
34/19/81 (C)	2.37	-0.57
34/19/82 (C)	1.68	-0.35
34/19/83 (C)	2.11	-0.33
34/19/84 (C)	2.15	-0.35
34/19/85 (C)	-0.37	0.05
34/19/86 (C)	1.57	0.05
34/19/87 (C)	0.70	0.05
34/19/88 (C)	0.05	0.05
34/19/89 (C)	0.41	0.05
34/19/90 (C)	0.64	-0.03
34/19/91 (C)	2.63	-0.44
34/19/92 (C)	0.43	0.02
34/19/93 (C)	1.83	-0.03
34/19/94 (C)	0.95	-0.03
34/19/95 (C)	0.31	-0.03
34/19/96 (C)	0.67	-0.03
34/19/97 (C)	1.56	-0.35
34/19/98 (C)	3.02	-0.52
34/19/99 (C)	2.37	-0.57
34/19/100 (C)	1.68	-0.35

Date: 3/10/2024 Page: 41

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address: Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	Fx (kip)	Fy (kip)
34/19/28 (C)	2.37	-2.95
34/19/29 (C)	1.69	-3.35
34/19/30 (C)	2.11	-3.33
34/19/31 (C)	3.11	-4.35
34/19/32 (C)	-0.37	-4.05
34/19/33 (C)	1.57	-4.05
34/19/34 (C)	0.70	-4.05
34/19/35 (C)	0.05	-4.05
34/19/36 (C)	0.36	-4.03
34/19/37 (C)	0.36	-4.05
34/19/38 (C)	0.64	-4.03
34/19/39 (C)	2.63	-4.04
34/19/40 (C)	-0.44	0.00
34/20/21 (C)	1.45	0.09
34/20/22 (C)	0.95	0.09
34/20/23 (C)	0.31	0.09
34/20/24 (C)	0.67	0.12
34/20/25 (C)	0.67	0.09
34/20/26 (C)	1.13	0.35
34/20/27 (C)	2.74	0.35
34/20/28 (C)	2.37	0.35
34/20/29 (C)	1.69	0.35
34/20/30 (C)	2.10	0.37
34/20/31 (C)	2.11	0.38
34/20/32 (C)	-0.07	0.05
34/20/33 (C)	1.19	0.05
34/20/34 (C)	0.70	0.05
34/20/35 (C)	0.05	0.05
34/20/36 (C)	0.41	0.06
34/20/37 (C)	0.36	0.05
34/20/38 (C)	0.64	-0.09
34/20/39 (C)	2.63	-0.44
34/20/40 (C)	-0.44	-0.00
34/20/41 (C)	1.45	-0.09
34/20/42 (C)	0.95	-0.09
34/20/43 (C)	0.31	-0.09
34/20/44 (C)	0.67	-0.12
34/20/45 (C)	0.67	-0.09
34/20/46 (C)	1.19	-0.35
34/20/47 (C)	2.74	-0.35
34/20/48 (C)	2.37	-0.35
34/20/49 (C)	1.69	-0.35
34/20/50 (C)	2.15	-0.37
34/20/51 (C)	2.15	-0.38
34/20/52 (C)	-0.07	-0.05
34/20/53 (C)	1.19	-0.05
34/20/54 (C)	0.70	-0.05
34/20/55 (C)	0.05	-0.05
34/20/56 (C)	0.41	-0.06
34/20/57 (C)	0.36	-0.05
34/20/58 (C)	0.64	-0.05
34/20/59 (C)	2.63	-0.44
34/20/60 (C)	-0.44	-0.00
34/20/61 (C)	1.45	-0.09
34/20/62 (C)	0.95	-0.09
34/20/63 (C)	0.31	-0.09
34/20/64 (C)	0.67	-0.12
34/20/65 (C)	0.67	-0.09
34/20/66 (C)	1.19	-0.35
34/20/67 (C)	2.74	-0.35
34/20/68 (C)	2.37	-0.35
34/20/69 (C)	1.69	-0.35
34/20/70 (C)	2.15	-0.37
34/20/71 (C)	2.15	-0.38
34/20/72 (C)	-0.07	-0.05
34/20/73 (C)	1.19	-0.05
34/20/74 (C)	0.70	-0.05
34/20/75 (C)	0.05	-0.05
34/20/76 (C)	0.41	-0.06
34/20/77 (C)	0.36	-0.05
34/20/78 (C)	0.64	-0.05
34/20/79 (C)	2.63	-0.44
34/20/80 (C)	-0.44	-0.00
34/20/81 (C)	1.45	-0.09
34/20/82 (C)	0.95	-0.09
34/20/83 (C)	0.31	-0.09
34/20/84 (C)	0.67	-0.12
34/20/85 (C)	0.67	-0.09
34/20/86 (C)	1.19	-0.35
34/20/87 (C)	2.74	-0.35
34/20/88 (C)	2.37	-0.35
34/20/89 (C)	1.69	-0.35
34/20/90 (C)	2.15	-0.37
34/20/91 (C)	2.15	-0.38
34/20/92 (C)	-0.07	-0.05
34/20/93 (C)	1.19	-0.05
34/20/94 (C)	0.70	-0.05
34/20/95 (C)	0.05	-0.05
34/20/96 (C)	0.41	-0.06
34/20/97 (C)	0.36	-0.05
34/20/98 (C)	0.64	-0.05
34/20/99 (C)	2.63	-0.44
34/20/100 (C)	-0.44	-0.00

Date: 3/10/2024 Page: 42

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	FX (kip)	FY (kip)
366.22 37 (C)	0.41	-0.02
366.9 18 (C)	-0.01	0.02
366.9 19 (C)	-0.02	0.02
366.9 20 (C)	0.00	0.04
366.9 21 (C)	-0.01	0.02
366.9 22 (C)	-0.01	0.04
366.9 23 (C)	-0.01	0.02
366.9 24 (C)	-0.01	0.02
366.9 25 (C)	-0.01	0.02
366.9 26 (C)	-0.01	0.02
366.9 27 (C)	-0.01	0.02
366.9 28 (C)	-0.01	0.02
366.9 29 (C)	-0.01	0.02
366.9 30 (C)	-0.01	0.02
366.9 31 (C)	-0.01	0.02
366.9 32 (C)	-0.01	0.02
366.9 33 (C)	-0.01	0.02
366.9 34 (C)	-0.01	0.02
366.9 35 (C)	-0.01	0.02
366.9 36 (C)	-0.01	0.02
366.9 37 (C)	-0.01	0.02
366.25 18 (C)	-0.00	-0.02
366.25 19 (C)	-0.00	-0.02
366.25 20 (C)	-0.00	-0.02
366.25 21 (C)	-0.00	-0.02
366.25 22 (C)	-0.00	-0.02
366.25 23 (C)	-0.00	-0.02
366.25 24 (C)	-0.00	-0.02
366.25 25 (C)	-0.00	-0.02
366.25 26 (C)	-0.00	-0.02
366.25 27 (C)	-0.00	-0.02
366.25 28 (C)	-0.00	-0.02
366.25 29 (C)	-0.00	-0.02
366.25 30 (C)	-0.00	-0.02
366.25 31 (C)	-0.00	-0.02
366.25 32 (C)	-0.00	-0.02
366.25 33 (C)	-0.00	-0.02
366.25 34 (C)	-0.00	-0.02
366.25 35 (C)	-0.00	-0.02
366.25 36 (C)	-0.00	-0.02
366.25 37 (C)	-0.00	-0.02
371.0 18 (C)	-0.01	0.02
371.0 19 (C)	-0.02	0.02
371.0 20 (C)	-0.02	0.02
371.0 21 (C)	-0.01	0.02
371.0 22 (C)	-0.01	0.02
371.0 23 (C)	-0.01	0.02
371.0 24 (C)	-0.01	0.02
371.0 25 (C)	-0.01	0.02

Date: 3/10/24 Page: 43

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	FZ (kip)	PY (kip)
371.0 25 (C)	-0.01	-0.02
371.0 27 (C)	-0.01	0.02
371.0 28 (C)	-0.01	0.02
371.0 29 (C)	-0.01	0.02
371.0 30 (C)	-0.01	0.02
371.0 31 (C)	-0.01	0.02
371.0 32 (C)	-0.00	-0.02
371.0 33 (C)	-0.00	-0.02
371.0 34 (C)	-0.00	-0.02
371.0 35 (C)	-0.00	-0.02
371.0 36 (C)	-0.00	-0.02
371.0 37 (C)	-0.00	-0.02
371.0 38 (C)	-0.00	-0.02
371.0 39 (C)	-0.00	-0.02
371.0 40 (C)	-0.00	-0.02
371.0 41 (C)	-0.00	-0.02
371.0 42 (C)	-0.00	-0.02
371.0 43 (C)	-0.00	-0.02
371.0 44 (C)	-0.00	-0.02
371.0 45 (C)	-0.00	-0.02
371.0 46 (C)	-0.00	-0.02
371.0 47 (C)	-0.00	-0.02
371.0 48 (C)	-0.00	-0.02
371.0 49 (C)	-0.00	-0.02
371.0 50 (C)	-0.00	-0.02
371.0 51 (C)	-0.00	-0.02
371.0 52 (C)	-0.00	-0.02
371.0 53 (C)	-0.00	-0.02
371.0 54 (C)	-0.00	-0.02
371.0 55 (C)	-0.00	-0.02
371.0 56 (C)	-0.00	-0.02
371.0 57 (C)	-0.00	-0.02
371.0 58 (C)	-0.00	-0.02
371.0 59 (C)	-0.00	-0.02
371.0 60 (C)	-0.00	-0.02
371.0 61 (C)	-0.00	-0.02
371.0 62 (C)	-0.00	-0.02
371.0 63 (C)	-0.00	-0.02
371.0 64 (C)	-0.00	-0.02
371.0 65 (C)	-0.00	-0.02
371.0 66 (C)	-0.00	-0.02
371.0 67 (C)	-0.00	-0.02
371.0 68 (C)	-0.00	-0.02
371.0 69 (C)	-0.00	-0.02
371.0 70 (C)	-0.00	-0.02
371.0 71 (C)	-0.00	-0.02
371.0 72 (C)	-0.00	-0.02
371.0 73 (C)	-0.00	-0.02
371.0 74 (C)	-0.00	-0.02
371.0 75 (C)	-0.00	-0.02
371.0 76 (C)	-0.00	-0.02
371.0 77 (C)	-0.00	-0.02
371.0 78 (C)	-0.00	-0.02
371.0 79 (C)	-0.00	-0.02
371.0 80 (C)	-0.00	-0.02
371.0 81 (C)	-0.00	-0.02
371.0 82 (C)	-0.00	-0.02
371.0 83 (C)	-0.00	-0.02
371.0 84 (C)	-0.00	-0.02
371.0 85 (C)	-0.00	-0.02
371.0 86 (C)	-0.00	-0.02
371.0 87 (C)	-0.00	-0.02
371.0 88 (C)	-0.00	-0.02
371.0 89 (C)	-0.00	-0.02
371.0 90 (C)	-0.00	-0.02
371.0 91 (C)	-0.00	-0.02
371.0 92 (C)	-0.00	-0.02
371.0 93 (C)	-0.00	-0.02
371.0 94 (C)	-0.00	-0.02
371.0 95 (C)	-0.00	-0.02
371.0 96 (C)	-0.00	-0.02
371.0 97 (C)	-0.00	-0.02
371.0 98 (C)	-0.00	-0.02
371.0 99 (C)	-0.00	-0.02
371.0 100 (C)	-0.00	-0.02

Date: 3/10/24 Page: 44

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address

Bar/Node/Case	Fx (kip)	Fy (kip)
38/16/38 (C)	-0.00	0.01
38/16/38 (C)	-0.00	0.02
38/16/37 (C)	-0.00	0.01
38/31/19 (C)	0.00	-0.02
38/31/19 (C)	-0.00	-0.02
38/31/20 (C)	0.00	-0.03
38/31/21 (C)	-0.00	-0.02
38/31/22 (C)	0.00	-0.02
38/31/23 (C)	-0.00	-0.03
38/31/24 (C)	-0.00	-0.03
38/31/25 (C)	0.00	-0.03
38/31/26 (C)	0.00	-0.03
38/31/27 (C)	-0.00	-0.03
38/31/28 (C)	-0.00	-0.03
38/31/29 (C)	-0.00	-0.02
38/31/30 (C)	-0.00	-0.02
38/31/31 (C)	0.00	-0.02
38/31/32 (C)	0.00	-0.02
38/31/33 (C)	-0.00	-0.02
38/31/34 (C)	-0.00	-0.02
38/31/35 (C)	0.00	-0.02
38/31/36 (C)	-0.00	-0.03
38/31/37 (C)	-0.00	-0.02
38/16/18 (C)	-0.01	0.02
38/16/19 (C)	-0.02	0.05
38/16/20 (C)	-0.00	-0.04
38/16/21 (C)	-0.01	0.02
38/16/22 (C)	-0.01	-0.01
38/16/23 (C)	-0.01	0.02
38/16/24 (C)	-0.01	0.02
38/16/25 (C)	-0.01	0.02
38/16/26 (C)	-0.01	0.02
38/16/27 (C)	-0.01	0.02
38/16/28 (C)	-0.01	0.05
38/16/29 (C)	-0.01	0.05
38/16/30 (C)	-0.01	0.05
38/16/30 (C)	-0.01	0.02
38/16/31 (C)	-0.01	0.02
38/16/32 (C)	-0.00	-0.02
38/16/33 (C)	-0.00	0.01
38/16/34 (C)	-0.00	-0.02
38/16/35 (C)	-0.00	0.01
38/32/18 (C)	0.00	0.02
38/32/19 (C)	0.00	0.02
38/32/20 (C)	0.00	0.02
38/32/21 (C)	-0.00	0.02
38/32/22 (C)	0.00	0.02
38/32/23 (C)	0.00	0.01

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address

Bar/Node/Case	Fz (kip)	Fy (kip)	Fx (kip)
38/32/24 (C)	0.00	0.00	0.00
38/32/25 (C)	0.00	0.00	0.00
38/32/26 (C)	0.00	0.00	0.00
38/32/27 (C)	0.00	0.00	0.00
38/32/28 (C)	-0.00	0.00	0.00
38/32/28 (C)	0.00	0.00	0.00
38/32/29 (C)	0.00	0.00	0.00
38/32/30 (C)	0.00	0.00	0.00
38/32/31 (C)	0.00	0.00	0.00
38/32/32 (C)	-0.00	0.00	0.00
38/32/33 (C)	-0.00	0.00	0.00
38/32/34 (C)	-0.00	0.00	0.00
38/32/35 (C)	0.00	0.00	0.00
38/32/36 (C)	0.00	0.00	0.00
38/32/37 (C)	0.00	0.00	0.00
38/32/37 (C)	0.00	0.00	0.00
1/1/18 (C)	0.14	-2.24	0.14
1/1/19 (C)	0.85	-1.04	0.85
1/1/20 (C)	-0.45	2.31	-0.45
1/1/21 (C)	0.02	-3.06	0.02
1/1/22 (C)	0.18	-4.41	0.18
1/1/23 (C)	0.03	-3.03	0.03
1/1/24 (C)	0.06	-3.09	0.06
1/1/25 (C)	-0.07	-2.86	-0.07
1/1/26 (C)	0.28	-1.50	0.28
1/1/27 (C)	0.43	-1.48	0.43
1/1/28 (C)	0.55	-3.02	0.55
1/1/29 (C)	0.64	-2.84	0.64
1/1/30 (C)	0.46	-3.81	0.46
1/1/31 (C)	0.40	-2.82	0.40
1/1/32 (C)	-0.34	-2.56	-0.34
1/1/33 (C)	-0.04	-4.96	-0.04
1/1/34 (C)	0.13	-3.20	0.13
1/1/35 (C)	0.24	-3.12	0.24
1/1/36 (C)	0.02	-3.01	0.02
1/1/37 (C)	0.07	-2.54	0.07
1/9/18 (C)	0.14	-2.24	0.14
1/9/19 (C)	0.85	-1.04	0.85
1/9/20 (C)	-0.45	2.31	-0.45
1/9/21 (C)	0.02	-3.06	0.02
1/9/22 (C)	0.18	-4.41	0.18
1/9/23 (C)	0.03	-3.03	0.03
1/9/24 (C)	0.06	-3.09	0.06
1/9/25 (C)	-0.07	-2.86	-0.07
1/9/26 (C)	0.28	-1.50	0.28
1/9/27 (C)	0.43	-1.48	0.43
1/9/28 (C)	0.55	-3.02	0.55
1/9/29 (C)	0.64	-2.84	0.64
1/9/30 (C)	0.46	-3.81	0.46
1/9/31 (C)	0.40	-2.82	0.40
1/9/31 (C)	0.48	-4.97	0.48

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Projct: RH25X60-10M-P4-20-105-33  
 Address:

BarNodeCase	FZ (kip)	MX (kip-in)
1/9-22 (C)	-0.24	-2.99
1/9-23 (C)	-0.04	-9.50
1/9-24 (C)	0.13	-8.52
1/9-25 (C)	0.34	0.12
1/9-26 (C)	0.02	-6.10
1/9-27 (C)	0.33	-5.28
2/2-18 (C)	0.24	3.26
2/2-19 (C)	0.65	1.06
2/2-20 (C)	0.44	2.33
2/2-21 (C)	0.41	3.06
2/2-22 (C)	0.19	3.41
2/2-23 (C)	0.30	-0.02
2/2-24 (C)	0.23	0.30
2/2-25 (C)	0.07	0.36
2/2-26 (C)	0.66	0.47
2/2-27 (C)	0.72	2.66
2/2-28 (C)	0.55	2.92
2/2-29 (C)	0.64	2.64
2/2-30 (C)	0.57	0.97
2/2-31 (C)	0.48	0.92
2/2-32 (C)	0.27	-0.35
2/2-33 (C)	0.35	2.97
2/2-34 (C)	0.13	3.57
2/2-35 (C)	0.24	-0.12
2/2-36 (C)	0.15	0.18
2/2-37 (C)	0.33	0.26
2/10-18 (C)	0.14	0.36
2/10-19 (C)	0.55	1.01
2/10-20 (C)	0.44	2.33
2/10-21 (C)	0.41	3.06
2/10-22 (C)	0.19	3.41
2/10-23 (C)	0.30	-0.02
2/10-24 (C)	0.23	0.30
2/10-25 (C)	0.07	0.36
2/10-26 (C)	0.66	0.47
2/10-27 (C)	0.72	2.66
2/10-28 (C)	0.55	2.92
2/10-29 (C)	0.64	2.64
2/10-30 (C)	0.57	0.97
2/10-31 (C)	0.48	0.92
2/10-32 (C)	0.27	-0.35
2/10-33 (C)	0.35	2.97
2/10-34 (C)	0.13	3.57
2/10-35 (C)	0.24	-0.12
2/10-36 (C)	0.15	0.18
2/10-37 (C)	0.33	0.26
3/7-18 (C)	0.14	0.36
3/7-19 (C)	0.55	1.01
3/7-20 (C)	0.44	2.33
3/7-21 (C)	0.41	3.06
3/7-22 (C)	0.19	3.41
3/7-23 (C)	0.30	-0.02
3/7-24 (C)	0.23	0.30
3/7-25 (C)	0.07	0.36
3/7-26 (C)	0.66	0.47
3/7-27 (C)	0.72	2.66
3/7-28 (C)	0.55	2.92
3/7-29 (C)	0.64	2.64
3/7-30 (C)	0.57	0.97
3/7-31 (C)	0.48	0.92
3/7-32 (C)	0.27	-0.35
3/7-33 (C)	0.35	2.97
3/7-34 (C)	0.13	3.57
3/7-35 (C)	0.24	-0.12
3/7-36 (C)	0.15	0.18
3/7-37 (C)	0.33	0.26
3/15-18 (C)	0.14	0.36
3/15-19 (C)	0.55	1.01
3/15-20 (C)	0.44	2.33
3/15-21 (C)	0.41	3.06
3/15-22 (C)	0.19	3.41
3/15-23 (C)	0.30	-0.02
3/15-24 (C)	0.23	0.30
3/15-25 (C)	0.07	0.36
3/15-26 (C)	0.66	0.47
3/15-27 (C)	0.72	2.66
3/15-28 (C)	0.55	2.92
3/15-29 (C)	0.64	2.64
3/15-30 (C)	0.57	0.97
3/15-31 (C)	0.48	0.92
3/15-32 (C)	0.27	-0.35
3/15-33 (C)	0.35	2.97
3/15-34 (C)	0.13	3.57
3/15-35 (C)	0.24	-0.12
3/15-36 (C)	0.15	0.18
3/15-37 (C)	0.33	0.26
4/8-18 (C)	0.14	0.36
4/8-19 (C)	0.55	1.01
4/8-20 (C)	0.44	2.33
4/8-21 (C)	0.41	3.06
4/8-22 (C)	0.19	3.41
4/8-23 (C)	0.30	-0.02
4/8-24 (C)	0.23	0.30
4/8-25 (C)	0.07	0.36
4/8-26 (C)	0.66	0.47
4/8-27 (C)	0.72	2.66
4/8-28 (C)	0.55	2.92
4/8-29 (C)	0.64	2.64
4/8-30 (C)	0.57	0.97
4/8-31 (C)	0.48	0.92
4/8-32 (C)	0.27	-0.35
4/8-33 (C)	0.35	2.97
4/8-34 (C)	0.13	3.57
4/8-35 (C)	0.24	-0.12
4/8-36 (C)	0.15	0.18
4/8-37 (C)	0.33	0.26
4/8-38 (C)	0.14	0.36
4/8-39 (C)	0.55	1.01
4/8-40 (C)	0.44	2.33
4/8-41 (C)	0.41	3.06
4/8-42 (C)	0.19	3.41
4/8-43 (C)	0.30	-0.02
4/8-44 (C)	0.23	0.30
4/8-45 (C)	0.07	0.36
4/8-46 (C)	0.66	0.47
4/8-47 (C)	0.72	2.66
4/8-48 (C)	0.55	2.92
4/8-49 (C)	0.64	2.64
4/8-50 (C)	0.57	0.97
4/8-51 (C)	0.48	0.92
4/8-52 (C)	0.27	-0.35
4/8-53 (C)	0.35	2.97
4/8-54 (C)	0.13	3.57
4/8-55 (C)	0.24	-0.12
4/8-56 (C)	0.15	0.18
4/8-57 (C)	0.33	0.26
4/8-58 (C)	0.14	0.36
4/8-59 (C)	0.55	1.01
4/8-60 (C)	0.44	2.33
4/8-61 (C)	0.41	3.06
4/8-62 (C)	0.19	3.41
4/8-63 (C)	0.30	-0.02
4/8-64 (C)	0.23	0.30
4/8-65 (C)	0.07	0.36
4/8-66 (C)	0.66	0.47
4/8-67 (C)	0.72	2.66
4/8-68 (C)	0.55	2.92
4/8-69 (C)	0.64	2.64
4/8-70 (C)	0.57	0.97
4/8-71 (C)	0.48	0.92
4/8-72 (C)	0.27	-0.35
4/8-73 (C)	0.35	2.97
4/8-74 (C)	0.13	3.57
4/8-75 (C)	0.24	-0.12
4/8-76 (C)	0.15	0.18
4/8-77 (C)	0.33	0.26
4/8-78 (C)	0.14	0.36
4/8-79 (C)	0.55	1.01
4/8-80 (C)	0.44	2.33
4/8-81 (C)	0.41	3.06
4/8-82 (C)	0.19	3.41
4/8-83 (C)	0.30	-0.02
4/8-84 (C)	0.23	0.30
4/8-85 (C)	0.07	0.36
4/8-86 (C)	0.66	0.47
4/8-87 (C)	0.72	2.66
4/8-88 (C)	0.55	2.92
4/8-89 (C)	0.64	2.64
4/8-90 (C)	0.57	0.97
4/8-91 (C)	0.48	0.92
4/8-92 (C)	0.27	-0.35
4/8-93 (C)	0.35	2.97
4/8-94 (C)	0.13	3.57
4/8-95 (C)	0.24	-0.12
4/8-96 (C)	0.15	0.18
4/8-97 (C)	0.33	0.26
4/8-98 (C)	0.14	0.36
4/8-99 (C)	0.55	1.01
4/8-100 (C)	0.44	2.33
4/8-101 (C)	0.41	3.06
4/8-102 (C)	0.19	3.41
4/8-103 (C)	0.30	-0.02
4/8-104 (C)	0.23	0.30
4/8-105 (C)	0.07	0.36
4/8-106 (C)	0.66	0.47
4/8-107 (C)	0.72	2.66
4/8-108 (C)	0.55	2.92
4/8-109 (C)	0.64	2.64
4/8-110 (C)	0.57	0.97
4/8-111 (C)	0.48	0.92
4/8-112 (C)	0.27	-0.35
4/8-113 (C)	0.35	2.97
4/8-114 (C)	0.13	3.57
4/8-115 (C)	0.24	-0.12
4/8-116 (C)	0.15	0.18
4/8-117 (C)	0.33	0.26
4/8-118 (C)	0.14	0.36
4/8-119 (C)	0.55	1.01
4/8-120 (C)	0.44	2.33
4/8-121 (C)	0.41	3.06
4/8-122 (C)	0.19	3.41
4/8-123 (C)	0.30	-0.02
4/8-124 (C)	0.23	0.30
4/8-125 (C)	0.07	0.36
4/8-126 (C)	0.66	0.47
4/8-127 (C)	0.72	2.66
4/8-128 (C)	0.55	2.92
4/8-129 (C)	0.64	2.64
4/8-130 (C)	0.57	0.97
4/8-131 (C)	0.48	0.92
4/8-132 (C)	0.27	-0.35
4/8-133 (C)	0.35	2.97
4/8-134 (C)	0.13	3.57
4/8-135 (C)	0.24	-0.12
4/8-136 (C)	0.15	0.18
4/8-137 (C)	0.33	0.26
4/8-138 (C)	0.14	0.36
4/8-139 (C)	0.55	1.01
4/8-140 (C)	0.44	2.33
4/8-141 (C)	0.41	3.06
4/8-142 (C)	0.19	3.41
4/8-143 (C)	0.30	-0.02
4/8-144 (C)	0.23	0.30
4/8-145 (C)	0.07	0.36
4/8-146 (C)	0.66	0.47
4/8-147 (C)	0.72	2.66
4/8-148 (C)	0.55	2.92
4/8-149 (C)	0.64	2.64
4/8-150 (C)	0.57	0.97
4/8-151 (C)	0.48	0.92
4/8-152 (C)	0.27	-0.35
4/8-153 (C)	0.35	2.97
4/8-154 (C)	0.13	3.57
4/8-155 (C)	0.24	-0.12
4/8-156 (C)	0.15	0.18
4/8-157 (C)	0.33	0.26
4/8-158 (C)	0.14	0.36
4/8-159 (C)	0.55	1.01
4/8-160 (C)	0.44	2.33
4/8-161 (C)	0.41	3.06
4/8-162 (C)	0.19	3.41
4/8-163 (C)	0.30	-0.02
4/8-164 (C)	0.23	0.30
4/8-165 (C)	0.07	0.36
4/8-166 (C)	0.66	0.47
4/8-167 (C)	0.72	2.66
4/8-168 (C)	0.55	2.92
4/8-169 (C)	0.64	2.64
4/8-170 (C)	0.57	0.97
4/8-171 (C)	0.48	0.92
4/8-172 (C)	0.27	-0.35
4/8-173 (C)	0.35	2.97
4/8-174 (C)	0.13	3.57
4/8-175 (C)	0.24	-0.12
4/8-176 (C)	0.15	0.18
4/8-177 (C)	0.33	0.26
4/8-178 (C)	0.14	0.36
4/8-179 (C)	0.55	1.01
4/8-180 (C)	0.44	2.33
4/8-181 (C)	0.41	3.06
4/8-182 (C)	0.19	3.41
4/8-183 (C)	0.30	-0.02
4/8-184 (C)	0.23	0.30
4/8-185 (C)	0.07	0.36
4/8-186 (C)	0.66	0.47
4/8-187 (C)	0.72	2.66
4/8-188 (C)	0.55	2.92
4/8-189 (C)	0.64	2.64
4/8-190 (C)	0.57	0.97
4/8-191 (C)	0.48	0.92
4/8-192 (C)	0.27	-0.35
4/8-193 (C)	0.35	2.97
4/8-194 (C)	0.13	3.57
4/8-195 (C)	0.24	-0.12
4/8-196 (C)	0.15	0.18
4/8-197 (C)	0.33	0.26
4/8-198 (C)	0.14	0.36
4/8-199 (C)	0.55	1.01
4/8-200 (C)	0.44	2.33
4/8-201 (C)	0.41	3.06
4/8-202 (C)	0.19	3.41
4/8-203 (C)	0.30	-0.02
4/8-204 (C)	0.23	0.30
4/8-205 (C)	0.07	0.36
4/8-206 (C)	0.66	0.47
4/8-207 (C)	0.72	2.66
4/8-208 (C)	0.55	2.92
4/8-209 (C)	0.64	2.64
4/8-210 (C)	0.57	0.97
4/8-211 (C)	0.48	0.92
4/8-212 (C)	0.27	-0.35
4/8-213 (C)	0.35	2.97
4/8-214 (C)	0.13	3.57
4/8-215 (C)	0.24	-0.12
4/8-216 (C)	0.15	0.18
4/8-217 (C)	0.33	0.26
4/8-218 (C)	0.14	0.36
4/8-219 (C)	0.55	1.01
4/8-220 (C)	0.44	2.33
4/8-221 (C)	0.41	3.06
4/8-222 (C)	0.19	3.41
4/8-223 (C)	0.30	-0.02
4/8-224 (C)	0.23	0.30
4/8-225 (C)	0.07	0.36
4/8-226 (C)	0.66	0.47
4/8-227 (C)	0.72	2.66
4/8-228 (C)	0.55	2.92
4/8-229 (C)	0.64	2.64
4/8-230 (C)	0.57	0.97
4/8-231 (C)	0.48	0.92
4/8-232 (C)	0.27	-0.35
4/8-233 (C)	0.35	2.97
4/8-234 (C)	0.13	3.57
4/8-235 (C)	0.24	-0.12
4/8-236 (C)	0.15	0.18
4/8-237 (C)	0.33	0.26
4/8-238 (C)	0.14	0.36
4/8-239 (C)	0.55	1.01
4/8-240 (C)	0.44	2.33
4/8-241 (C)	0.41	3.06
4/8-242 (C)	0.19	3.41
4/8-243 (C)	0.30	-0.02
4/8-244 (C)	0.23	0.30
4/8-245 (C)	0.07	0.36
4/8-246 (C)	0.66	0.47
4/8-247 (C)	0.72	2.66
4/8-248 (C)	0.55	2.92
4/8-249 (C)	0.64	2.64
4/8-250 (C)	0.57	0.97
4/8-251 (C)	0.48	0.92
4/8-252 (C)	0.27	-0.35
4/8-253 (C)	0.35	2.97
4/8-254 (C)	0.13	3.57
4/8-255 (C)	0.24	-0.12
4/8-256 (C)	0.15	0.18
4/8-257 (C)	0.33	0.26
4/8-258 (C)	0.14	0.36
4/8-259 (C)	0.55	1.01
4/8-260 (C)	0.44	2.33
4/8-261 (C)	0.41	3.06
4/8-262 (C)	0.19	3.41
4/8-263 (C)	0.30	-0.02
4/8-264 (C)	0.23</	

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-F4-20-105-33.rtd  
 Project: RH25X60-10M-F4-20-105-33  
 Author:  
 Address:

BarNodeCase	FZ (kip)	MX (kip-in)
4/8/20 (C)	0.57	-0.37
4/8/31 (C)	0.56	-0.77
4/8/32 (C)	0.27	0.35
4/8/33 (C)	0.35	-2.37
4/8/34 (C)	-0.10	0.01
4/8/36 (C)	0.07	3.58
4/8/36 (C)	0.15	-0.18
4/8/37 (C)	0.04	-0.04
4/16/18 (C)	0.14	-0.20
4/16/19 (C)	0.55	-0.41
4/16/20 (C)	0.44	-2.34
4/16/21 (C)	0.43	-3.06
4/16/22 (C)	-0.04	-0.09
4/16/23 (C)	0.15	2.67
4/16/24 (C)	0.23	-0.30
4/16/25 (C)	0.22	-0.30
4/16/26 (C)	0.56	-0.47
4/16/27 (C)	0.72	-2.96
4/16/28 (C)	0.38	-0.74
4/16/29 (C)	0.51	1.36
4/16/30 (C)	0.57	-0.37
4/16/31 (C)	0.56	-0.77
4/16/32 (C)	0.27	0.35
4/16/33 (C)	0.35	-2.37
4/16/34 (C)	-0.10	0.01
4/16/36 (C)	0.07	3.58
4/16/36 (C)	0.15	-0.18
4/16/37 (C)	0.04	-0.04
5/9/18 (C)	0.31	-0.19
5/9/19 (C)	1.35	-0.78
5/9/20 (C)	-1.07	0.44
5/9/21 (C)	-0.51	0.06
5/9/22 (C)	-0.25	-1.35
5/9/23 (C)	0.96	-1.46
5/9/24 (C)	0.18	-0.16
5/9/25 (C)	0.27	-0.30
5/9/26 (C)	0.90	-0.48
5/9/27 (C)	0.47	-0.45
5/9/28 (C)	0.57	-1.51
5/9/29 (C)	1.59	-1.59
5/9/30 (C)	1.02	-0.62
5/9/31 (C)	1.09	0.70
5/9/32 (C)	-0.06	0.01
5/9/34 (C)	-0.64	-1.28
5/9/35 (C)	0.96	-1.30
5/9/36 (C)	0.10	-0.10
5/9/37 (C)	0.19	-0.16
5/11/18 (C)	0.31	-0.19

Date: 3/10/24 Page: 49

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-F4-20-105-33.rtd  
 Project: RH25X60-10M-F4-20-105-33  
 Author:  
 Address:

BarNodeCase	FZ (kip)	MX (kip-in)
6/11/19 (C)	1.32	-0.76
6/11/20 (C)	-1.07	0.44
6/11/21 (C)	-0.51	0.06
6/11/22 (C)	-0.25	-1.35
6/11/23 (C)	0.96	-1.46
6/11/24 (C)	0.18	-0.16
6/11/25 (C)	0.27	-0.30
6/11/26 (C)	0.90	-0.48
6/11/27 (C)	0.47	-0.45
6/11/28 (C)	0.67	-1.51
6/11/29 (C)	1.59	-1.59
6/11/30 (C)	1.02	-0.62
6/11/31 (C)	1.09	0.70
6/11/32 (C)	-0.06	0.01
6/11/33 (C)	-0.64	-1.28
6/11/34 (C)	-0.37	-2.37
6/11/36 (C)	0.86	-1.36
6/11/36 (C)	0.10	-0.10
6/11/37 (C)	0.19	-0.16
6/4/18 (C)	0.31	-0.19
6/4/19 (C)	1.35	-0.78
6/4/20 (C)	-1.07	0.44
6/4/21 (C)	0.40	0.32
6/4/22 (C)	-0.25	-1.35
6/4/23 (C)	0.96	-1.46
6/4/24 (C)	0.45	-0.45
6/4/25 (C)	0.57	-1.51
6/4/26 (C)	1.60	-1.60
6/4/27 (C)	1.16	0.72
6/4/28 (C)	0.67	1.51
6/4/29 (C)	1.59	-1.59
6/4/30 (C)	1.15	0.65
6/4/31 (C)	1.09	0.70
6/4/32 (C)	1.13	0.42
6/4/33 (C)	0.26	-0.24
6/4/34 (C)	-0.27	1.28
6/4/35 (C)	0.86	1.36
6/4/36 (C)	0.27	0.12
6/4/37 (C)	0.19	0.16
6/12/18 (C)	0.31	0.18
6/12/19 (C)	1.35	0.76
6/12/20 (C)	0.95	0.44
6/12/21 (C)	0.40	0.32
6/12/22 (C)	-0.25	-1.35
6/12/23 (C)	0.96	-1.46
6/12/24 (C)	0.45	-0.45
6/12/25 (C)	0.57	-1.51
6/12/26 (C)	1.60	-1.60
6/12/27 (C)	1.16	0.72

Date: 3/10/24 Page: 50

Autodesk Robot Structural Analysis Professional 20.21  
 File: RH25X80-10M-P4-20-105-33.rtd  
 Project: RH25X80-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	FZ (kip)	MX (kip-in)
6/12/28 (C)	0.67	1.81
6/12/29 (C)	1.55	1.82
6/12/30 (C)	1.32	0.65
6/12/31 (C)	1.03	0.70
6/12/32 (C)	1.13	0.47
6/12/33 (C)	0.28	0.24
6/12/34 (C)	-0.57	1.23
6/12/35 (C)	0.86	1.26
6/12/36 (C)	0.27	0.12
6/12/37 (C)	0.19	0.19
7/5/18 (C)	0.31	0.13
7/5/19 (C)	1.35	0.78
7/5/20 (C)	-1.67	-0.44
7/5/21 (C)	-0.51	-0.05
7/5/22 (C)	-0.03	-1.41
7/5/23 (C)	0.97	-0.55
7/5/24 (C)	0.19	0.16
7/5/25 (C)	0.29	0.07
7/5/26 (C)	0.83	0.43
7/5/27 (C)	-0.47	0.95
7/5/28 (C)	0.57	-0.87
7/5/29 (C)	1.51	0.92
7/5/30 (C)	1.02	0.52
7/5/31 (C)	1.08	0.57
7/5/32 (C)	-0.84	-0.14
7/5/33 (C)	-0.51	-1.49
7/5/34 (C)	0.76	-0.73
7/5/35 (C)	0.18	0.15
7/5/37 (C)	-0.77	0.02
7/13/18 (C)	1.53	0.78
7/13/19 (C)	1.37	0.78
7/13/20 (C)	-1.37	-0.44
7/13/21 (C)	-0.51	-0.02
7/13/22 (C)	-0.23	-1.41
7/13/23 (C)	0.53	-0.45
7/13/24 (C)	0.18	0.16
7/13/25 (C)	0.29	0.07
7/13/26 (C)	0.86	0.45
7/13/27 (C)	0.41	0.65
7/13/28 (C)	-0.57	-0.57
7/13/29 (C)	1.51	0.00
7/13/30 (C)	1.02	0.52
7/13/31 (C)	1.03	0.57
7/13/32 (C)	-0.26	-0.05
7/13/33 (C)	-0.54	-0.14
7/13/34 (C)	-0.51	-1.49
7/13/35 (C)	0.24	-0.15
7/13/36 (C)	0.18	0.10

Date: 3/10/24 Page: 61

Autodesk Robot Structural Analysis Professional 20.21  
 File: RH25X80-10M-P4-20-105-33.rtd  
 Project: RH25X80-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	FZ (kip)	MX (kip-in)
7/13/37 (C)	0.17	0.03
8/6/18 (C)	0.81	-0.19
8/6/19 (C)	1.35	-0.78
8/6/20 (C)	1.05	-0.44
8/6/21 (C)	0.40	-0.32
8/6/22 (C)	-0.38	1.41
8/6/23 (C)	0.87	0.65
8/6/24 (C)	0.29	-0.31
8/6/25 (C)	0.00	-0.06
8/6/27 (C)	1.16	-0.73
8/6/28 (C)	0.57	0.87
8/6/29 (C)	1.51	-0.00
8/6/30 (C)	1.15	-0.65
8/6/31 (C)	1.08	-0.57
8/6/32 (C)	1.13	-0.42
8/6/33 (C)	0.26	-0.34
8/6/34 (C)	-0.51	1.49
8/6/35 (C)	0.79	0.73
8/6/36 (C)	0.27	-0.19
8/6/37 (C)	0.17	-0.03
8/14/18 (C)	0.81	-0.19
8/14/19 (C)	1.35	-0.78
8/14/20 (C)	1.05	-0.44
8/14/21 (C)	0.40	-0.32
8/14/22 (C)	-0.38	1.41
8/14/23 (C)	0.87	0.65
8/14/24 (C)	0.29	-0.31
8/14/25 (C)	0.00	-0.06
8/14/26 (C)	1.16	-0.73
8/14/27 (C)	0.57	0.87
8/14/28 (C)	1.51	-0.00
8/14/29 (C)	1.15	-0.65
8/14/31 (C)	1.08	-0.57
8/14/32 (C)	1.13	-0.42
8/14/33 (C)	0.26	-0.34
8/14/34 (C)	-0.51	1.49
8/14/35 (C)	0.79	0.73
8/14/36 (C)	0.27	-0.19
8/14/37 (C)	0.17	-0.03
9/9/18 (C)	0.13	0.08
9/9/19 (C)	0.83	2.86
9/9/20 (C)	0.31	0.63
9/9/21 (C)	0.24	0.60
9/9/22 (C)	0.27	1.39
9/9/23 (C)	0.38	-0.45
9/9/24 (C)	0.12	1.45
9/9/25 (C)	0.15	-0.18

Date: 3/10/24 Page: 62

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-106-33.rtd  
 Author: Address: Project: RH25X60-10M-P4-20-106-33

BankNode/Case	FZ (kip)	MX (k-lb-in)
9/ 8/ 26 (C)	0.43	4.84
9/ 8/ 27 (C)	0.35	6.21
9/ 8/ 28 (C)	0.30	2.90
9/ 8/ 29 (C)	0.47	1.51
9/ 8/ 30 (C)	0.28	2.73
9/ 8/ 31 (C)	0.25	1.90
9/ 8/ 32 (C)	0.25	3.25
9/ 8/ 33 (C)	0.13	5.57
9/ 8/ 34 (C)	0.22	1.02
9/ 8/ 35 (C)	0.33	-0.69
9/ 8/ 36 (C)	0.07	0.84
9/ 8/ 37 (C)	0.05	-0.15
9/ 25/ 18 (C)	-0.15	0.95
9/ 25/ 19 (C)	-0.30	2.86
9/ 25/ 20 (C)	-0.17	8.63
9/ 25/ 21 (C)	-0.29	5.30
9/ 25/ 22 (C)	-0.07	1.39
9/ 25/ 23 (C)	-0.35	-0.65
9/ 25/ 24 (C)	-0.17	1.63
9/ 25/ 25 (C)	-0.18	-0.33
9/ 25/ 26 (C)	-0.65	4.94
9/ 25/ 27 (C)	-0.52	6.21
9/ 25/ 28 (C)	-0.33	2.30
9/ 25/ 29 (C)	-0.56	1.51
9/ 25/ 30 (C)	-0.42	2.79
9/ 25/ 31 (C)	-0.41	1.32
9/ 25/ 32 (C)	-0.41	3.75
9/ 25/ 33 (C)	-0.23	5.97
9/ 25/ 34 (C)	-0.01	1.06
9/ 25/ 35 (C)	-0.36	-0.89
9/ 25/ 36 (C)	-0.11	0.84
9/ 25/ 37 (C)	-0.11	-0.75
10/ 10/ 18 (C)	0.13	-0.08
10/ 10/ 19 (C)	0.33	-2.85
10/ 10/ 20 (C)	-0.31	8.83
10/ 10/ 21 (C)	-0.63	1.87
10/ 10/ 22 (C)	0.27	-1.99
10/ 10/ 23 (C)	0.38	6.45
10/ 10/ 24 (C)	0.14	6.27
10/ 10/ 25 (C)	0.15	0.15
10/ 10/ 26 (C)	0.13	2.46
10/ 10/ 27 (C)	0.15	-0.50
10/ 10/ 28 (C)	0.33	-2.90
10/ 10/ 29 (C)	0.47	-1.21
10/ 10/ 30 (C)	0.29	-1.84
10/ 10/ 31 (C)	0.29	-1.92
10/ 10/ 32 (C)	-0.37	6.33
10/ 10/ 33 (C)	-0.08	1.90
10/ 10/ 34 (C)	0.23	-1.19

Date: 3/10/2024 Page: 53

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-106-33.rtd  
 Author: Address: Project: RH25X60-10M-P4-20-106-33

BankNode/Case	FZ (kip)	MX (k-lb-in)
10/ 10/ 26 (C)	0.33	0.60
10/ 10/ 26 (C)	5.03	0.24
10/ 10/ 27 (C)	0.09	0.15
10/ 25/ 18 (C)	-0.15	-0.86
10/ 25/ 19 (C)	-0.30	-2.86
10/ 25/ 20 (C)	-0.17	8.63
10/ 25/ 21 (C)	-0.29	5.30
10/ 25/ 22 (C)	-0.07	1.39
10/ 25/ 23 (C)	-0.35	-0.65
10/ 25/ 24 (C)	-0.17	1.63
10/ 25/ 25 (C)	-0.18	-0.33
10/ 25/ 26 (C)	-0.65	4.94
10/ 25/ 27 (C)	-0.52	6.21
10/ 25/ 28 (C)	-0.33	2.30
10/ 25/ 29 (C)	-0.56	1.51
10/ 25/ 30 (C)	-0.42	2.79
10/ 25/ 31 (C)	-0.41	1.32
10/ 25/ 32 (C)	-0.41	3.75
10/ 25/ 33 (C)	-0.23	5.07
10/ 25/ 34 (C)	-0.01	1.06
10/ 25/ 35 (C)	-0.36	-0.89
10/ 25/ 36 (C)	-0.11	0.84
10/ 25/ 37 (C)	-0.11	-0.75
10/ 10/ 18 (C)	0.13	-0.08
10/ 10/ 19 (C)	0.33	-2.86
10/ 10/ 20 (C)	-0.31	8.83
10/ 10/ 21 (C)	-0.63	1.87
10/ 10/ 22 (C)	0.27	-1.99
10/ 10/ 23 (C)	0.38	6.45
10/ 10/ 24 (C)	0.14	6.27
10/ 10/ 25 (C)	0.15	0.15
10/ 10/ 26 (C)	0.13	2.46
10/ 10/ 27 (C)	0.15	-0.50
10/ 10/ 28 (C)	0.33	-2.90
10/ 10/ 29 (C)	0.47	-1.21
10/ 10/ 30 (C)	0.29	-1.84
10/ 10/ 31 (C)	0.29	-1.92
10/ 10/ 32 (C)	-0.37	6.33
10/ 10/ 33 (C)	-0.08	1.90
10/ 10/ 34 (C)	0.23	-1.19

Date: 3/10/2024 Page: 54

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	FZ (kip)	MX (kip-in)
11/28/24 (C)	-0.17	-1.45
11/28/25 (C)	-0.14	-1.29
11/28/26 (C)	-0.85	-4.84
11/28/27 (C)	-0.52	-3.21
11/28/28 (C)	-0.24	-3.07
11/28/29 (C)	-0.48	-1.64
11/28/30 (C)	-0.42	-3.23
11/28/31 (C)	-0.40	-2.96
11/28/32 (C)	-0.41	-2.75
11/28/33 (C)	-0.23	-2.57
11/28/34 (C)	0.14	-1.30
11/28/35 (C)	-0.19	0.52
11/28/36 (C)	-0.15	-0.54
11/28/37 (C)	-0.09	-0.64
12/16/18 (C)	0.13	0.93
12/16/19 (C)	0.33	2.48
12/16/20 (C)	-0.31	-2.63
12/16/21 (C)	-0.03	-1.67
12/16/22 (C)	-0.77	1.62
12/16/23 (C)	0.05	-2.26
12/16/24 (C)	0.14	-2.37
12/16/25 (C)	0.12	1.29
12/16/26 (C)	0.17	-2.49
12/16/27 (C)	0.16	0.50
12/16/28 (C)	0.85	3.07
12/16/29 (C)	0.22	1.84
12/16/30 (C)	0.29	1.94
12/16/31 (C)	-0.29	-2.90
12/16/32 (C)	-0.07	-2.03
12/16/33 (C)	-0.09	-1.90
12/16/34 (C)	-0.22	1.38
12/16/35 (C)	-0.01	-2.52
12/16/36 (C)	0.09	-2.26
12/16/37 (C)	0.07	3.94
12/28/18 (C)	-0.15	0.89
12/28/19 (C)	-0.30	2.86
12/28/20 (C)	0.47	-2.83
12/28/21 (C)	0.12	-1.67
12/28/22 (C)	-0.09	1.52
12/28/23 (C)	-0.24	-2.78
12/28/24 (C)	-0.12	-2.37
12/28/25 (C)	-0.14	1.29
12/28/26 (C)	-0.25	-2.49
12/28/27 (C)	-0.21	3.60
12/28/28 (C)	-0.24	3.07
12/28/29 (C)	-0.46	1.64
12/28/30 (C)	-0.40	1.84
12/28/31 (C)	-0.40	-2.86
12/28/32 (C)	0.12	-2.03

Date: 3/10/24 Page: 56

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	FZ (kip)	MX (kip-in)
12/28/33 (C)	0.18	-1.92
12/28/34 (C)	0.14	1.36
12/28/35 (C)	-0.18	-0.52
12/28/36 (C)	-0.07	-0.24
12/28/37 (C)	-0.08	0.64
13/11/18 (C)	0.57	1.06
13/11/19 (C)	2.44	8.92
13/11/20 (C)	0.67	0.85
13/11/21 (C)	0.15	-1.07
13/11/22 (C)	-0.56	-3.52
13/11/23 (C)	1.85	6.89
13/11/24 (C)	0.54	1.06
13/11/25 (C)	0.59	0.78
13/11/26 (C)	2.79	9.57
13/11/27 (C)	1.66	4.95
13/11/28 (C)	1.12	1.66
13/11/29 (C)	2.34	9.21
13/11/30 (C)	1.96	7.06
13/11/31 (C)	1.98	6.92
13/11/32 (C)	1.44	4.42
13/11/33 (C)	-0.09	-1.75
13/11/34 (C)	-0.79	-2.62
13/11/35 (C)	1.63	3.96
13/11/36 (C)	0.30	1.11
13/11/37 (C)	0.36	0.30
13/28/18 (C)	-0.01	1.52
13/28/19 (C)	0.03	0.84
13/28/20 (C)	-1.29	0.48
13/28/21 (C)	-0.45	-1.07
13/28/22 (C)	0.25	-5.62
13/28/23 (C)	-0.10	4.67
13/28/24 (C)	-0.07	1.85
13/28/25 (C)	0.00	0.79
13/28/26 (C)	-0.61	9.47
13/28/27 (C)	-0.31	4.53
13/28/28 (C)	0.22	1.62
13/28/29 (C)	-0.07	9.21
13/28/30 (C)	-0.01	7.06
13/28/31 (C)	0.03	6.92
13/28/32 (C)	-0.85	4.42
13/28/33 (C)	-0.45	-1.75
13/28/34 (C)	0.26	-2.62
13/28/35 (C)	-0.13	3.96
13/28/36 (C)	-0.05	1.11
13/28/37 (C)	0.00	0.30
14/12/18 (C)	0.67	-1.05
14/12/19 (C)	7.64	-6.52
14/12/20 (C)	-0.70	0.81
14/12/21 (C)	-0.45	1.45

Date: 3/10/24 Page: 56

File: RF-25X60-10M-P4-20-105-33.rtd  
Project: RHDSV60-10M-P4-20-105-33

Autodesk Robot Structural Analysis Professional 2021  
Author:  
Address:

Bar/Node/Case	FZ (kip)	MX (kip-in)
14.12.22 (C)	-0.96	0.882
14.12.23 (C)	1.85	-4.63
14.12.24 (C)	0.87	-1.85
14.12.25 (C)	0.58	-0.79
14.12.26 (C)	2.21	-9.12
14.12.27 (C)	1.24	-4.65
14.12.28 (C)	1.72	-3.65
14.12.29 (C)	2.94	-3.71
14.12.30 (C)	1.98	-7.08
14.12.31 (C)	1.98	-6.52
14.12.32 (C)	0.56	-3.83
14.12.33 (C)	-0.58	2.22
14.12.34 (C)	-0.73	6.25
14.12.35 (C)	1.83	-3.65
14.12.36 (C)	0.57	-1.11
14.12.37 (C)	0.98	-0.37
14.26.18 (C)	-0.97	-3.85
14.26.19 (C)	0.23	-8.07
14.26.20 (C)	1.28	0.61
14.26.21 (C)	0.28	1.88
14.26.22 (C)	0.22	5.33
14.26.23 (C)	-0.73	-4.65
14.26.24 (C)	0.64	-1.85
14.26.25 (C)	0.50	-0.79
14.26.26 (C)	0.48	-9.12
14.26.27 (C)	0.52	-4.65
14.26.28 (C)	0.75	-3.65
14.26.29 (C)	-0.67	-9.21
14.26.30 (C)	0.03	-7.08
14.26.31 (C)	0.01	-6.52
14.26.32 (C)	0.81	-3.83
14.26.33 (C)	0.58	2.22
14.26.34 (C)	0.28	6.25
14.26.35 (C)	-0.13	-3.65
14.26.36 (C)	0.03	-1.11
14.26.37 (C)	0.20	-0.37
15.13.18 (C)	0.27	-3.85
15.13.19 (C)	2.44	-3.52
15.13.20 (C)	0.87	-0.86
15.13.21 (C)	0.15	1.01
15.13.22 (C)	-0.73	0.98
15.13.23 (C)	1.72	-8.52
15.13.24 (C)	0.54	-1.85
15.13.25 (C)	0.56	-2.80
15.13.26 (C)	2.79	-9.27
15.13.27 (C)	1.65	-4.65
15.13.28 (C)	1.00	-6.40
15.13.29 (C)	2.34	-12.16
15.13.30 (C)	1.98	-2.08

Date: 3/10/2024 Page: 57

File: RF-25X60-10M-P4-20-105-33.rtd  
Project: RHDSV60-10M-P4-20-105-33

Autodesk Robot Structural Analysis Professional 2021  
Author:  
Address:

Bar/Node/Case	FZ (kip)	MX (kip-in)
16.13.31 (C)	1.97	-7.63
16.13.32 (C)	1.84	-4.43
16.13.33 (C)	-0.08	1.76
16.13.34 (C)	-0.96	1.13
16.13.35 (C)	1.50	-7.89
16.13.36 (C)	0.92	-1.11
16.13.37 (C)	0.80	-3.65
16.13.38 (C)	-0.01	-1.85
16.13.39 (C)	0.03	-6.52
16.13.40 (C)	-1.28	-8.52
16.13.41 (C)	-0.45	1.01
16.13.42 (C)	0.09	0.35
16.13.43 (C)	-0.25	-8.52
16.13.44 (C)	-0.07	-1.65
16.13.45 (C)	-0.08	-5.90
16.13.46 (C)	-0.81	-5.27
16.13.47 (C)	-0.31	-4.06
16.13.48 (C)	0.10	-5.40
16.13.49 (C)	-0.16	-12.16
16.13.50 (C)	-0.01	-7.08
16.13.51 (C)	0.01	-7.63
16.13.52 (C)	-0.85	-4.42
16.13.53 (C)	-0.25	-1.76
16.13.54 (C)	0.09	1.13
16.13.55 (C)	-0.26	-7.63
16.13.56 (C)	-0.06	-1.11
16.13.57 (C)	-0.03	-3.65
16.13.58 (C)	0.87	1.85
16.13.59 (C)	2.44	8.52
16.13.60 (C)	-0.70	-0.61
16.14.21 (C)	-0.45	-1.68
16.14.22 (C)	-0.75	-0.39
16.14.23 (C)	1.73	8.32
16.14.24 (C)	0.61	1.85
16.14.25 (C)	0.56	2.90
16.14.26 (C)	2.21	5.12
16.14.27 (C)	-0.21	-4.96
16.14.28 (C)	1.00	-5.40
16.14.29 (C)	2.84	12.16
16.14.30 (C)	1.98	1.38
16.14.31 (C)	1.97	7.83
16.14.32 (C)	0.66	3.83
16.14.33 (C)	-0.88	-2.27
16.14.34 (C)	-0.96	-1.19
16.14.35 (C)	1.00	7.88
16.14.36 (C)	0.37	1.11
16.14.37 (C)	0.38	1.95
16.14.38 (C)	-0.01	-1.85
16.14.39 (C)	0.08	6.52

Date: 3/10/2024 Page: 58

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	FZ (kip)	MX (kip-in)
16/27/20 (C)	1.23	-3.61
16/27/21 (C)	0.65	-1.45
16/27/22 (C)	0.39	-2.39
16/27/23 (C)	-0.25	3.62
16/27/24 (C)	0.04	1.93
16/27/25 (C)	-0.33	3.00
16/27/26 (C)	0.48	-3.12
16/27/27 (C)	0.52	4.08
16/27/28 (C)	0.10	3.40
16/27/29 (C)	-0.15	12.16
16/27/30 (C)	0.05	7.06
16/27/31 (C)	0.01	1.83
16/27/32 (C)	0.61	3.83
16/27/33 (C)	0.65	-2.72
16/27/34 (C)	0.39	-1.13
16/27/35 (C)	-0.25	7.65
16/27/36 (C)	0.33	1.11
16/27/37 (C)	-0.22	1.85
17/9/18 (C)	0.22	0.00
17/9/19 (C)	1.15	0.00
17/9/20 (C)	-0.22	-1.29
17/9/21 (C)	0.77	-0.56
17/9/22 (C)	1.11	0.00
17/9/23 (C)	0.23	0.00
17/9/24 (C)	0.19	0.00
17/9/25 (C)	0.22	0.00
17/9/26 (C)	0.34	-0.95
17/9/27 (C)	1.32	-0.42
17/9/28 (C)	1.59	0.00
17/9/29 (C)	0.32	0.00
17/9/30 (C)	0.91	0.00
17/9/31 (C)	0.32	0.00
17/9/32 (C)	-0.64	-0.73
17/9/33 (C)	0.69	-0.59
17/9/34 (C)	1.32	0.00
17/9/35 (C)	0.14	0.00
17/9/36 (C)	0.11	0.00
17/9/37 (C)	0.33	0.00
17/10/18 (C)	-0.22	0.00
17/10/19 (C)	-1.15	0.00
17/10/20 (C)	-0.22	-1.29
17/10/21 (C)	-0.36	-0.56
17/10/22 (C)	-1.11	0.00
17/10/23 (C)	-0.23	0.00
17/10/24 (C)	-0.24	0.00
17/10/25 (C)	-0.22	0.00
17/10/26 (C)	-0.53	-0.95
17/10/27 (C)	-1.45	-0.42
17/10/28 (C)	-1.59	0.00

Date: 3/10/2024 Page: 59

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	FZ (kip)	MX (kip-in)
17/10/29 (C)	-0.92	0.00
17/10/30 (C)	-0.50	-0.02
17/10/31 (C)	-0.92	0.00
17/10/32 (C)	0.39	-0.73
17/10/33 (C)	-0.87	-0.15
17/10/34 (C)	-1.00	0.00
17/10/35 (C)	-0.14	0.00
17/10/36 (C)	-0.19	0.00
17/10/37 (C)	-0.13	0.00
18/16/18 (C)	0.22	-0.00
18/16/19 (C)	1.15	-0.00
18/16/20 (C)	0.22	1.29
18/16/21 (C)	0.36	0.56
18/16/22 (C)	0.06	0.00
18/16/23 (C)	-0.36	-0.15
18/16/24 (C)	0.34	-0.64
18/16/25 (C)	0.22	-0.95
18/16/26 (C)	0.59	0.95
18/16/27 (C)	1.48	0.42
18/16/28 (C)	0.82	-0.00
18/16/29 (C)	0.34	-0.00
18/16/30 (C)	0.50	-0.02
18/16/31 (C)	0.92	-0.00
18/16/32 (C)	-0.59	0.73
18/16/33 (C)	0.97	0.65
18/16/34 (C)	-0.01	0.00
18/16/35 (C)	-0.50	0.00
18/16/36 (C)	0.15	-0.05
18/16/37 (C)	0.13	-0.00
18/16/38 (C)	-0.22	-0.00
18/16/39 (C)	-1.15	-0.00
18/16/40 (C)	0.22	1.29
18/16/41 (C)	-0.71	0.15
18/16/42 (C)	-0.06	0.00
18/16/43 (C)	0.56	-0.00
18/16/44 (C)	-0.18	0.00
18/16/45 (C)	-0.72	-0.00
18/16/46 (C)	-0.94	0.55
18/16/47 (C)	-1.33	0.42
18/16/48 (C)	-0.82	-0.00
18/16/49 (C)	-0.34	-0.00
18/16/50 (C)	-0.91	-0.00
18/16/51 (C)	-0.92	-0.00
18/16/52 (C)	0.64	0.73
18/16/53 (C)	-0.68	0.65
18/16/54 (C)	0.01	0.00
18/16/55 (C)	0.65	0.00
18/16/56 (C)	-0.11	-0.00
18/16/57 (C)	-0.13	-0.00

Date: 3/10/2024 Page: 60

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node Case	PZ (kip)	MX (kip-ft)
19/11/18 (C)	0.21	-0.18
19/11/19 (C)	1.05	-0.77
19/11/20 (C)	0.94	-1.55
19/11/21 (C)	0.21	0.36
19/11/22 (C)	-0.95	1.81
19/11/23 (C)	0.86	-1.54
19/11/24 (C)	0.21	-0.29
19/11/25 (C)	0.24	-0.15
19/11/26 (C)	-1.40	-2.15
19/11/27 (C)	0.86	-0.17
19/11/28 (C)	0.45	0.91
19/11/29 (C)	1.35	-1.23
19/11/30 (C)	0.86	-0.60
19/11/31 (C)	0.86	-0.59
19/11/32 (C)	0.86	-2.21
19/11/33 (C)	0.12	0.45
19/11/34 (C)	-0.43	1.82
19/11/35 (C)	0.76	-0.97
19/11/36 (C)	0.12	-0.17
19/11/37 (C)	0.15	-2.11
19/9/18 (C)	-0.18	-0.18
19/9/19 (C)	-0.97	-0.72
19/9/20 (C)	-0.76	-3.65
19/9/21 (C)	-0.20	0.33
19/9/22 (C)	0.41	1.91
19/9/23 (C)	-0.68	-1.04
19/9/24 (C)	-0.16	-0.20
19/9/25 (C)	-0.15	-0.19
19/9/26 (C)	1.33	-2.16
19/9/27 (C)	-0.76	-0.17
19/9/28 (C)	-0.33	0.31
19/9/29 (C)	-1.14	-3.22
19/9/30 (C)	-0.77	-0.69
19/9/31 (C)	-0.75	-0.53
19/9/32 (C)	-0.82	-3.21
19/9/33 (C)	-0.12	0.42
19/9/34 (C)	0.46	1.89
19/9/35 (C)	-0.51	-0.97
19/9/36 (C)	-0.11	-0.12
19/9/37 (C)	-0.69	-2.11
20/10/19 (C)	0.16	0.18
20/10/19 (C)	0.97	0.72
20/10/20 (C)	-0.77	-1.52
20/10/21 (C)	-0.46	-1.72
20/10/22 (C)	-0.41	-1.81
20/10/23 (C)	0.65	1.04
20/10/24 (C)	0.16	0.15
20/10/25 (C)	0.15	0.19
20/10/26 (C)	0.68	0.83

Date: 3/10/24 Page: 51

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node Case	PZ (kip)	MX (kip-ft)
20/10/27 (C)	3.28	-4.05
20/10/28 (C)	0.33	-0.91
20/10/29 (C)	1.14	1.23
20/10/30 (C)	0.77	0.57
20/10/31 (C)	0.75	0.59
20/10/32 (C)	-0.61	0.64
20/10/33 (C)	-0.54	-1.80
20/10/34 (C)	-0.48	-1.89
20/10/35 (C)	0.61	0.97
20/10/36 (C)	0.11	0.09
20/10/37 (C)	0.05	0.11
20/12/18 (C)	-0.21	0.18
20/12/19 (C)	-1.09	0.72
20/12/20 (C)	0.86	-1.59
20/12/21 (C)	0.53	-1.73
20/12/22 (C)	0.55	-1.81
20/12/23 (C)	-0.66	1.04
20/12/24 (C)	-0.21	0.15
20/12/25 (C)	-0.24	0.19
20/12/26 (C)	-0.77	0.83
20/12/27 (C)	0.31	-0.85
20/12/28 (C)	-0.45	-0.91
20/12/29 (C)	-1.36	1.73
20/12/30 (C)	-0.87	0.57
20/12/31 (C)	-0.87	0.89
20/12/32 (C)	-0.06	0.44
20/12/33 (C)	0.61	-1.80
20/12/34 (C)	0.42	-1.89
20/12/35 (C)	-0.76	0.97
20/12/36 (C)	-0.13	0.09
20/12/37 (C)	-0.15	0.11
21/15/18 (C)	0.18	0.19
21/15/19 (C)	0.97	0.72
21/15/20 (C)	0.75	1.55
21/15/21 (C)	0.20	-0.98
21/15/22 (C)	-0.30	-0.92
21/15/23 (C)	0.76	2.03
21/15/24 (C)	0.18	0.20
21/15/25 (C)	0.21	0.17
21/15/26 (C)	1.30	2.16
21/15/27 (C)	0.76	0.17
21/15/28 (C)	0.41	0.36
21/15/29 (C)	1.20	1.97
21/15/30 (C)	0.77	0.87
21/15/31 (C)	0.75	0.96
21/15/32 (C)	0.65	2.21
21/15/33 (C)	0.13	-0.45
21/15/34 (C)	-0.37	-0.69
21/15/35 (C)	0.68	1.56

Date: 3/10/24 Page: 52

Autodesk Robot Structural Analysis Professional 2021  
 File: RH-25X60-10M-P4-20-105-33.rtd  
 Author: Address: Date: 3/10/24

Bar/Node/Case	FZ (kip)	MX (kip-in)
21 16 26 (C)	0.11	0.12
21 16 27 (C)	0.13	0.10
21 16 28 (C)	-0.21	0.18
21 16 29 (C)	-1.09	0.72
21 16 30 (C)	-0.54	1.57
21 16 31 (C)	-0.21	-0.32
21 16 32 (C)	0.46	-0.52
21 16 33 (C)	-0.78	2.03
21 16 34 (C)	-0.21	0.20
21 16 35 (C)	-0.13	0.17
21 16 36 (C)	-1.23	2.16
21 16 37 (C)	-0.86	0.17
21 16 38 (C)	-0.37	0.02
21 16 39 (C)	-1.29	1.97
21 16 40 (C)	-0.96	0.60
21 16 41 (C)	-0.65	0.52
21 16 42 (C)	-0.96	2.21
21 16 43 (C)	-0.12	-0.42
21 16 44 (C)	0.54	-0.90
21 16 45 (C)	-0.63	1.66
21 16 46 (C)	0.12	0.12
21 16 47 (C)	-0.10	0.10
22 14 19 (C)	0.21	-0.18
22 14 20 (C)	1.08	-0.72
22 14 21 (C)	-0.06	1.52
22 14 22 (C)	-0.93	1.72
22 14 23 (C)	-0.46	0.52
22 14 24 (C)	0.78	-2.02
22 14 25 (C)	0.21	-0.15
22 14 26 (C)	0.18	-0.17
22 14 27 (C)	0.77	-0.62
22 14 28 (C)	0.31	0.02
22 14 29 (C)	0.27	-0.02
22 14 30 (C)	1.29	-1.97
22 14 31 (C)	0.97	-0.57
22 14 32 (C)	0.35	-0.32
22 14 33 (C)	0.00	-0.44
22 14 34 (C)	-0.51	1.82
22 14 35 (C)	-0.54	0.52
22 14 36 (C)	0.63	-1.62
22 14 37 (C)	0.13	-0.02
22 14 38 (C)	0.10	-0.10
22 14 39 (C)	-0.18	-0.18
22 14 40 (C)	-0.37	0.72
22 16 20 (C)	0.77	1.50
22 16 21 (C)	0.46	1.73
22 16 22 (C)	0.30	0.52
22 16 23 (C)	-0.76	-2.02
22 16 24 (C)	-0.18	-0.12

Autodesk Robot Structural Analysis Professional 2021  
 File: RH-25X60-10M-P4-20-105-33.rtd  
 Author: Address: Date: 3/10/24

Bar/Node/Case	FZ (kip)	MX (kip-in)
22 16 25 (C)	-0.21	-0.17
22 16 26 (C)	-0.25	-0.23
22 16 27 (C)	-0.25	0.51
22 16 28 (C)	-0.41	-0.25
22 16 29 (C)	-1.20	-1.87
22 16 30 (C)	-0.77	-0.27
22 16 31 (C)	-0.78	-0.25
22 16 32 (C)	0.31	-0.44
22 16 33 (C)	0.54	1.86
22 16 34 (C)	0.37	0.59
22 16 35 (C)	-0.69	-1.26
22 16 36 (C)	-0.11	-0.02
22 16 37 (C)	-0.12	-0.10
23 13 18 (C)	0.20	0.00
23 13 19 (C)	1.02	0.07
23 13 20 (C)	0.80	0.00
23 13 21 (C)	0.20	0.00
23 13 22 (C)	-0.24	0.13
23 13 23 (C)	0.90	0.14
23 13 24 (C)	0.20	0.00
23 13 25 (C)	0.22	0.02
23 13 26 (C)	1.47	0.00
23 13 27 (C)	0.32	0.00
23 13 28 (C)	0.47	0.14
23 13 29 (C)	1.27	0.10
23 13 30 (C)	0.92	0.00
23 13 31 (C)	0.93	0.02
23 13 32 (C)	0.91	0.00
23 13 33 (C)	0.12	0.00
23 13 34 (C)	-0.42	0.13
23 13 35 (C)	0.72	0.14
23 13 36 (C)	0.12	0.00
23 13 37 (C)	0.14	0.00
23 11 16 (C)	-0.20	0.00
23 11 17 (C)	-1.02	0.00
23 11 18 (C)	-0.90	0.00
23 11 19 (C)	-0.20	0.00
23 11 20 (C)	0.42	0.13
23 11 21 (C)	-0.74	0.14
23 11 22 (C)	-0.20	0.00
23 11 23 (C)	-0.15	0.00
23 11 24 (C)	-1.43	0.00
23 11 25 (C)	-0.90	0.00
23 11 26 (C)	-0.23	0.14
23 11 27 (C)	-0.52	0.00
23 11 28 (C)	-0.90	0.00
23 11 29 (C)	-0.91	0.00
23 11 30 (C)	-0.12	0.00
23 11 31 (C)	-0.12	0.00
23 11 32 (C)	-0.12	0.00

Autodesk Robot Structural Analysis Professional (2021)  
 File: RH25X80-10M-P4-20-105-33.rtd  
 Project: RH25X80-10M-P4-20-105-33  
 Author:  
 Address:

Beam/Node/Case	Fz (kip)	Mx (kip-h)	U1E
20/11/24 (C)	0.55	0.18	0.18
20/11/26 (C)	-0.65	0.18	0.18
20/11/28 (C)	-0.12	0.00	0.00
20/11/29 (C)	-0.10	0.02	0.02
24/12/18 (C)	0.20	-0.00	-0.00
24/12/19 (C)	1.02	-0.00	-0.00
24/12/20 (C)	-0.81	0.00	0.00
24/12/21 (C)	-0.50	0.00	0.00
24/12/22 (C)	-0.43	-0.18	-0.18
24/12/23 (C)	0.34	-0.18	-0.18
24/12/24 (C)	0.17	-0.00	-0.00
24/12/26 (C)	0.17	-0.00	-0.00
24/12/28 (C)	0.13	0.00	0.00
24/12/27 (C)	0.30	-0.00	-0.00
24/12/28 (C)	0.36	-0.14	-0.14
24/12/29 (C)	1.23	-0.10	-0.10
24/12/30 (C)	0.52	-0.00	-0.00
24/12/31 (C)	0.80	-0.02	-0.02
24/12/32 (C)	-0.01	0.00	0.00
24/12/33 (C)	-0.37	0.00	0.00
24/12/34 (C)	-0.50	-0.18	-0.18
24/12/35 (C)	0.66	-0.14	-0.14
24/12/36 (C)	0.12	-0.00	-0.00
24/12/37 (C)	0.16	-0.02	-0.02
24/13/18 (C)	-0.20	-0.00	-0.00
24/13/19 (C)	-1.02	-0.00	-0.00
24/13/20 (C)	0.51	0.00	0.00
24/13/21 (C)	0.50	0.00	0.00
24/13/22 (C)	0.84	-0.18	-0.18
24/13/23 (C)	-0.80	-0.14	-0.14
24/13/24 (C)	0.20	-0.00	-0.00
24/13/25 (C)	-0.72	-0.00	-0.00
24/13/26 (C)	-0.73	0.00	0.00
24/13/27 (C)	-0.30	-0.00	-0.00
24/13/28 (C)	-0.42	-0.14	-0.14
24/13/29 (C)	-1.27	-0.10	-0.10
24/13/30 (C)	-0.82	-0.00	-0.00
24/13/31 (C)	-0.83	-0.02	-0.02
24/13/32 (C)	0.27	0.00	0.00
24/13/33 (C)	0.57	0.00	0.00
24/13/34 (C)	0.42	-0.18	-0.18
24/13/35 (C)	-0.72	-0.14	-0.14
24/13/36 (C)	0.12	-0.00	-0.00
24/13/37 (C)	-0.34	-0.02	-0.02
26/26/18 (C)	-0.01	0.00	0.00
26/26/19 (C)	0.03	-0.00	-0.00
26/26/20 (C)	-0.03	1.54	1.54
26/26/21 (C)	-0.02	0.67	0.67
26/26/22 (C)	0.14	0.00	0.00

Date: 3/10/2024 Page: 66

Autodesk Robot Structural Analysis Professional (2021)  
 File: RH25X80-10M-P4-20-105-33.rtd  
 Project: RH25X80-10M-P4-20-105-33  
 Author:  
 Address:

Beam/Node/Case	Fz (kip)	Mx (kip-h)	U1E
26/26/23 (C)	0.21	-0.00	-0.00
26/26/24 (C)	-0.31	0.03	0.03
26/26/25 (C)	0.34	0.00	0.00
26/26/26 (C)	0.64	0.36	0.36
26/26/27 (C)	-0.00	-0.50	-0.50
26/26/28 (C)	0.13	-0.00	-0.00
26/26/29 (C)	0.18	-0.00	-0.00
26/26/30 (C)	0.02	0.07	0.07
26/26/31 (C)	0.04	-0.00	-0.00
26/26/32 (C)	0.02	0.67	0.67
26/26/33 (C)	0.02	0.67	0.67
26/26/34 (C)	0.44	0.00	0.00
26/26/35 (C)	0.21	-0.00	-0.00
26/26/36 (C)	-0.05	0.09	0.09
26/26/37 (C)	0.15	0.00	0.00
26/26/38 (C)	-0.17	0.00	0.00
26/26/39 (C)	-0.87	-0.00	-0.00
26/26/40 (C)	0.01	1.54	1.54
26/26/41 (C)	0.02	0.57	0.57
26/26/42 (C)	0.44	0.00	0.00
26/26/43 (C)	-0.42	-0.00	-0.00
26/26/44 (C)	-0.17	0.13	0.13
26/26/45 (C)	-0.2	0.00	0.00
26/26/46 (C)	-0.84	0.66	0.66
26/26/47 (C)	-0.46	0.50	0.50
26/26/48 (C)	-0.19	-0.00	-0.00
26/26/49 (C)	-0.64	-0.00	-0.00
26/26/50 (C)	-0.65	0.07	0.07
26/26/51 (C)	-0.65	-0.00	-0.00
26/26/52 (C)	-0.35	0.87	0.87
26/26/53 (C)	0.19	0.57	0.57
26/26/54 (C)	0.51	0.00	0.00
26/26/55 (C)	-0.55	-0.00	-0.00
26/26/56 (C)	-0.18	0.09	0.09
26/26/57 (C)	0.17	0.00	0.00
26/26/58 (C)	0.19	0.00	0.00
26/26/59 (C)	0.96	0.00	0.00
26/26/60 (C)	-0.01	-0.00	-0.00
26/26/61 (C)	-0.13	-0.00	-0.00
26/26/62 (C)	0.73	-0.00	-0.00
26/26/63 (C)	0.19	0.00	0.00
26/26/64 (C)	1.00	0.00	0.00
26/26/65 (C)	0.53	-0.00	-0.00
26/26/66 (C)	0.38	-0.00	-0.00
26/26/67 (C)	1.17	-0.00	-0.00
26/26/68 (C)	0.76	0.00	0.00
26/26/69 (C)	0.76	0.00	0.00

Date: 3/10/2024 Page: 66

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: ASO/ess  
 Address:

Bar/Node/Case	Fz (kip)	Mx (kip-in)
27,282,21 (C)	0.42	-0.02
27,282,22 (C)	-0.21	-0.07
27,282,23 (C)	-0.40	-0.02
27,282,24 (C)	0.66	-0.03
27,282,25 (C)	0.11	-0.08
27,282,26 (C)	0.11	0.03
27,282,27 (C)	-0.19	0.02
27,282,28 (C)	-0.96	0.02
27,282,29 (C)	0.01	-0.02
27,282,30 (C)	0.13	-0.02
27,282,31 (C)	0.37	-0.02
27,282,32 (C)	-0.71	-0.02
27,282,33 (C)	-0.19	-0.09
27,282,34 (C)	-0.19	0.02
27,282,35 (C)	-1.00	-0.02
27,282,36 (C)	-0.95	-0.02
27,282,37 (C)	-0.35	-0.02
27,282,38 (C)	-1.15	-0.02
27,282,39 (C)	-0.76	0.07
27,282,40 (C)	-0.76	0.02
27,282,41 (C)	-0.42	-0.02
27,282,42 (C)	0.21	-0.02
27,282,43 (C)	0.44	-0.02
27,282,44 (C)	-0.63	-0.02
27,282,45 (C)	-0.11	-0.02
27,282,46 (C)	-0.11	0.02
27,282,47 (C)	-0.01	-0.02
27,282,48 (C)	0.03	0.00
27,282,49 (C)	-0.00	-1.54
27,282,50 (C)	-0.03	-0.67
27,282,51 (C)	-0.27	-0.02
27,282,52 (C)	-0.11	0.02
27,282,53 (C)	-0.01	-0.13
27,282,54 (C)	-0.05	-0.02
27,282,55 (C)	0.04	-0.64
27,282,56 (C)	-0.00	-0.52
27,282,57 (C)	-0.16	0.02
27,282,58 (C)	-0.06	0.02
27,282,59 (C)	0.02	-0.17
27,282,60 (C)	-0.01	0.02
27,282,61 (C)	0.02	-0.87
27,282,62 (C)	-0.02	-0.67
27,282,63 (C)	-0.27	-0.02
27,282,64 (C)	-0.10	0.02
27,282,65 (C)	-0.04	-0.02
27,282,66 (C)	-0.04	-0.02
27,282,67 (C)	-0.17	-0.02
27,282,68 (C)	-0.81	0.02
27,282,69 (C)	0.01	-1.54

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: ASO/ess  
 Address:

Bar/Node/Case	Fz (kip)	Mx (kip-in)
27,282,21 (C)	0.02	-0.67
27,282,22 (C)	0.03	0.00
27,282,23 (C)	-0.34	0.00
27,282,24 (C)	-0.17	-0.15
27,282,25 (C)	-0.20	-0.00
27,282,26 (C)	-0.64	-0.66
27,282,27 (C)	-0.46	-0.90
27,282,28 (C)	-0.30	0.00
27,282,29 (C)	-1.08	0.00
27,282,30 (C)	-0.65	-0.07
27,282,31 (C)	-0.68	0.00
27,282,32 (C)	-0.35	-0.87
27,282,33 (C)	0.15	-0.67
27,282,34 (C)	0.10	-0.00
27,282,35 (C)	-0.67	0.00
27,282,36 (C)	-0.10	-0.09
27,282,37 (C)	-0.15	-0.00
28,117,18 (C)	0.15	0.00
28,117,19 (C)	0.74	0.00
28,117,20 (C)	-0.60	0.00
28,117,21 (C)	0.60	0.00
28,117,22 (C)	0.76	0.00
28,117,23 (C)	0.15	0.00
28,117,24 (C)	0.15	0.00
28,117,25 (C)	0.25	0.00
28,117,26 (C)	3.94	0.00
28,117,27 (C)	1.67	0.00
28,117,28 (C)	0.60	0.00
28,117,29 (C)	0.56	0.00
28,117,30 (C)	0.40	0.00
28,117,31 (C)	-0.57	0.00
28,117,32 (C)	0.55	0.00
28,117,33 (C)	0.72	0.00
28,117,34 (C)	0.09	0.00
28,117,35 (C)	0.09	0.00
28,117,36 (C)	0.09	0.00
28,117,37 (C)	-0.15	0.00
28,118,18 (C)	-0.74	0.00
28,118,19 (C)	-0.00	0.00
28,118,20 (C)	-0.60	0.00
28,118,21 (C)	-0.78	0.00
28,118,22 (C)	-0.15	0.00
28,118,23 (C)	-0.15	0.00
28,118,24 (C)	-0.15	0.00
28,118,25 (C)	-0.26	0.00
28,118,26 (C)	-0.64	0.00
28,118,27 (C)	-1.07	0.00
28,118,28 (C)	-0.60	0.00
28,118,29 (C)	-0.60	0.00

Autodesk Robot Structural Analysis Professional 2021  
 File: RF25X60-10M-P4-20-105-33.rtd  
 Project: RF25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	Fz (kip)	MX (kip-in)
28/ 18/36 (C)	-0.15	0.0
28/ 18/31 (C)	-0.23	0.0
28/ 18/32 (C)	0.27	0.0
28/ 18/33 (C)	-0.35	0.0
28/ 18/34 (C)	-0.72	0.0
28/ 18/35 (C)	-0.69	0.0
28/ 18/36 (C)	-0.68	0.0
28/ 18/37 (C)	-0.68	0.0
28/ 24/18 (C)	0.15	0.0
28/ 24/19 (C)	0.14	0.0
28/ 24/20 (C)	-0.32	0.0
28/ 24/21 (C)	0.62	0.0
28/ 24/22 (C)	0.65	0.0
28/ 24/23 (C)	-0.87	0.0
28/ 24/24 (C)	0.15	0.0
28/ 24/25 (C)	0.14	0.0
28/ 24/26 (C)	0.74	0.0
28/ 24/27 (C)	0.34	0.0
28/ 24/28 (C)	0.52	0.0
28/ 24/29 (C)	0.13	0.0
28/ 24/30 (C)	0.33	0.0
28/ 24/31 (C)	0.53	0.0
28/ 24/32 (C)	-0.27	0.0
28/ 24/33 (C)	0.25	0.0
28/ 24/34 (C)	-0.21	0.0
28/ 24/35 (C)	-0.47	0.0
28/ 24/36 (C)	0.55	0.0
28/ 24/37 (C)	0.68	0.0
28/ 24/38 (C)	-0.13	0.0
28/ 24/39 (C)	-0.74	0.0
28/ 24/40 (C)	-0.03	0.0
28/ 24/41 (C)	-0.52	0.0
28/ 24/42 (C)	-0.65	0.0
28/ 24/43 (C)	0.41	0.0
28/ 24/44 (C)	-0.15	0.0
28/ 24/45 (C)	-0.44	0.0
28/ 24/46 (C)	-0.24	0.0
28/ 24/47 (C)	-0.54	0.0
28/ 24/48 (C)	-0.22	0.0
28/ 24/49 (C)	-0.13	0.0
28/ 24/50 (C)	-0.53	0.0
28/ 24/51 (C)	-0.53	0.0
28/ 24/52 (C)	0.37	0.0
28/ 24/53 (C)	-0.25	0.0
28/ 24/54 (C)	0.01	0.0
28/ 24/55 (C)	0.47	0.0
28/ 24/56 (C)	-0.69	0.0
28/ 24/57 (C)	-0.38	0.0
30/ 18/18 (C)	0.15	0.0

Date: 3/10/2024 Page: 69

Autodesk Robot Structural Analysis Professional 2021  
 File: RF25X60-10M-P4-20-105-33.rtd  
 Project: RF25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	Fz (kip)	MX (kip-in)
30/ 18/19 (C)	0.95	0.0
30/ 18/20 (C)	0.81	0.0
30/ 18/21 (C)	0.19	0.0
30/ 18/22 (C)	-0.40	0.0
30/ 18/23 (C)	0.77	0.0
30/ 18/24 (C)	0.19	0.0
30/ 18/25 (C)	0.19	0.0
30/ 18/26 (C)	0.26	0.0
30/ 18/27 (C)	0.76	0.0
30/ 18/28 (C)	0.92	0.0
30/ 18/29 (C)	1.20	0.0
30/ 18/30 (C)	0.76	0.0
30/ 18/31 (C)	0.76	0.0
30/ 18/32 (C)	0.92	0.0
30/ 18/33 (C)	0.12	0.0
30/ 18/34 (C)	-0.48	0.0
30/ 18/35 (C)	0.70	0.0
30/ 18/36 (C)	0.12	0.0
30/ 18/37 (C)	0.11	0.0
30/ 17/18 (C)	-0.19	0.0
30/ 17/19 (C)	-0.95	0.0
30/ 17/20 (C)	-0.81	0.0
30/ 17/21 (C)	-0.19	0.0
30/ 17/22 (C)	0.40	0.0
30/ 17/23 (C)	-0.77	0.0
30/ 17/24 (C)	-0.18	0.0
30/ 17/25 (C)	-0.18	0.0
30/ 17/26 (C)	-0.36	0.0
30/ 17/27 (C)	-0.76	0.0
30/ 17/28 (C)	-0.92	0.0
30/ 17/29 (C)	-1.20	0.0
30/ 17/30 (C)	-0.76	0.0
30/ 17/31 (C)	-0.76	0.0
30/ 17/32 (C)	-0.92	0.0
30/ 17/33 (C)	-0.12	0.0
30/ 17/34 (C)	0.48	0.0
30/ 17/35 (C)	-0.70	0.0
30/ 17/36 (C)	-0.12	0.0
30/ 17/37 (C)	-0.11	0.0
31/ 18/18 (C)	0.19	0.0
31/ 18/19 (C)	0.95	0.0
31/ 18/20 (C)	-0.89	0.0
31/ 18/21 (C)	-0.52	0.0
31/ 18/22 (C)	-0.40	0.0
31/ 18/23 (C)	0.77	0.0
31/ 18/24 (C)	0.18	0.0
31/ 18/25 (C)	0.19	0.0
31/ 18/26 (C)	0.68	0.0
31/ 18/27 (C)	0.38	0.0

Date: 3/10/2024 Page: 70

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-106-33.rtd  
 Project: RH25X60-10M-P4-20-106-33  
 Author:  
 Address:

BankNode/Case	FZ (kip)	MX (k-lb-in)
31/18/29 (C)	0.92	0.0
31/18/29 (C)	1.29	0.0
31/18/30 (C)	0.79	0.0
31/18/31 (C)	0.76	0.0
31/18/32 (C)	-0.01	0.0
31/18/33 (C)	-0.99	0.0
31/18/34 (C)	-0.48	0.0
31/18/35 (C)	0.02	0.0
31/18/36 (C)	0.11	0.0
31/18/37 (C)	0.11	0.0
31/20/18 (C)	-0.19	0.0
31/20/19 (C)	-0.95	0.0
31/20/20 (C)	0.93	0.0
31/20/21 (C)	0.92	0.0
31/20/22 (C)	0.40	0.0
31/20/23 (C)	-0.77	0.0
31/20/24 (C)	-0.18	0.0
31/20/25 (C)	-0.19	0.0
31/20/26 (C)	-0.68	0.0
31/20/27 (C)	-0.23	0.0
31/20/28 (C)	-0.25	0.0
31/20/29 (C)	-1.28	0.0
31/20/30 (C)	-0.75	0.0
31/20/31 (C)	-0.76	0.0
31/20/32 (C)	0.01	0.0
31/20/33 (C)	0.49	0.0
31/20/34 (C)	0.48	0.0
31/20/35 (C)	-0.79	0.0
31/20/36 (C)	-0.11	0.0
31/20/37 (C)	-0.11	0.0
32/20/18 (C)	0.19	0.0
32/20/19 (C)	0.95	0.0
32/20/20 (C)	0.92	0.0
32/20/21 (C)	0.71	0.0
32/20/22 (C)	-0.40	0.0
32/20/23 (C)	0.19	0.0
32/20/24 (C)	0.19	0.0
32/20/25 (C)	1.96	0.0
32/20/26 (C)	0.76	0.0
32/20/27 (C)	0.92	0.0
32/20/28 (C)	1.29	0.0
32/20/29 (C)	0.78	0.0
32/20/30 (C)	0.76	0.0
32/20/31 (C)	0.76	0.0
32/20/32 (C)	0.92	0.0
32/20/33 (C)	0.12	0.0
32/20/34 (C)	-0.48	0.0
32/20/35 (C)	0.70	0.0
32/20/36 (C)	0.12	0.0

Date: 3/10/24 Page: 71

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-106-33.rtd  
 Project: RH25X60-10M-P4-20-106-33  
 Author:  
 Address:

BankNode/Case	FZ (kip)	MX (k-lb-in)
32/21/27 (C)	0.11	0.0
32/21/18 (C)	-0.19	0.0
32/21/19 (C)	-0.95	0.0
32/21/20 (C)	-0.01	0.0
32/21/21 (C)	-0.19	0.0
32/21/22 (C)	0.40	0.0
32/21/23 (C)	-0.77	0.0
32/21/24 (C)	-0.19	0.0
32/21/25 (C)	-0.19	0.0
32/21/26 (C)	-1.96	0.0
32/21/27 (C)	-0.76	0.0
32/21/28 (C)	-0.32	0.0
32/21/29 (C)	-1.20	0.0
32/21/30 (C)	-0.76	0.0
32/21/31 (C)	-0.92	0.0
32/21/32 (C)	-0.92	0.0
32/21/33 (C)	-0.12	0.0
32/21/34 (C)	0.96	0.0
32/21/35 (C)	-0.70	0.0
32/21/36 (C)	-0.12	0.0
32/21/37 (C)	-0.11	0.0
33/22/18 (C)	0.19	0.0
33/22/19 (C)	0.95	0.0
33/22/20 (C)	-0.03	0.0
33/22/21 (C)	-0.92	0.0
33/22/22 (C)	-0.40	0.0
33/22/23 (C)	0.77	0.0
33/22/24 (C)	0.19	0.0
33/22/25 (C)	0.19	0.0
33/22/26 (C)	1.96	0.0
33/22/27 (C)	0.68	0.0
33/22/28 (C)	0.28	0.0
33/22/29 (C)	0.92	0.0
33/22/30 (C)	1.20	0.0
33/22/31 (C)	0.76	0.0
33/22/32 (C)	0.76	0.0
33/22/33 (C)	-0.01	0.0
33/22/34 (C)	-0.69	0.0
33/22/35 (C)	0.70	0.0
33/22/36 (C)	0.11	0.0
33/22/37 (C)	0.11	0.0
33/24/18 (C)	-0.19	0.0
33/24/19 (C)	-0.95	0.0
33/24/20 (C)	0.93	0.0
33/24/21 (C)	0.92	0.0
33/24/22 (C)	0.40	0.0
33/24/23 (C)	-0.77	0.0
33/24/24 (C)	-0.18	0.0
33/24/25 (C)	-0.19	0.0

Date: 3/10/24 Page: 72

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	FZ (kip)	MX (lb-in)
34.19.26 (C)	-0.58	0.0
34.19.27 (C)	-0.23	0.0
34.19.28 (C)	-0.32	0.0
34.19.29 (C)	-1.02	0.0
34.19.30 (C)	-0.75	0.0
34.19.31 (C)	-0.79	0.0
34.19.32 (C)	0.01	0.0
34.19.33 (C)	0.59	0.0
34.19.34 (C)	0.48	0.0
34.19.35 (C)	-0.73	0.0
34.19.36 (C)	-0.11	0.0
34.19.37 (C)	-0.11	0.0
34.21.18 (C)	0.28	0.0
34.21.19 (C)	1.32	0.0
34.21.20 (C)	1.13	0.0
34.21.21 (C)	0.27	0.0
34.21.22 (C)	-0.56	0.0
34.21.23 (C)	1.07	0.0
34.21.24 (C)	0.72	0.0
34.21.25 (C)	0.36	0.0
34.21.26 (C)	1.90	0.0
34.21.27 (C)	1.06	0.0
34.21.28 (C)	0.44	0.0
34.21.29 (C)	1.87	0.0
34.21.30 (C)	1.06	0.0
34.21.31 (C)	1.05	0.0
34.21.32 (C)	1.29	0.0
34.21.33 (C)	0.16	0.0
34.21.34 (C)	-0.55	0.0
34.21.35 (C)	0.97	0.0
34.21.36 (C)	0.16	0.0
34.21.37 (C)	0.13	0.0
34.19.16 (C)	-0.26	0.0
34.19.17 (C)	-1.32	0.0
34.19.18 (C)	-1.53	0.0
34.19.19 (C)	-0.27	0.0
34.19.20 (C)	0.56	0.0
34.19.21 (C)	-1.07	0.0
34.19.22 (C)	-0.77	0.0
34.19.23 (C)	-0.26	0.0
34.19.24 (C)	1.90	0.0
34.19.25 (C)	1.06	0.0
34.19.26 (C)	0.48	0.0
34.19.27 (C)	-0.73	0.0
34.19.28 (C)	-0.11	0.0
34.19.29 (C)	-0.11	0.0
34.19.30 (C)	0.28	0.0
34.19.31 (C)	1.32	0.0
34.19.32 (C)	1.13	0.0
34.19.33 (C)	0.27	0.0
34.19.34 (C)	-0.56	0.0

Date: 3/10/24 Page 73

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	FZ (kip)	MX (lb-in)
34.19.35 (C)	-0.37	0.0
34.19.36 (C)	-0.15	0.0
34.19.37 (C)	-0.15	0.0
34.19.38 (C)	0.26	0.0
34.19.39 (C)	1.32	0.0
34.19.40 (C)	-1.16	0.0
34.19.41 (C)	-0.73	0.0
34.19.42 (C)	0.56	0.0
34.19.43 (C)	1.07	0.0
34.19.44 (C)	0.25	0.0
34.19.45 (C)	0.26	0.0
34.19.46 (C)	0.92	0.0
34.19.47 (C)	0.32	0.0
34.19.48 (C)	0.44	0.0
34.19.49 (C)	1.87	0.0
34.19.50 (C)	1.05	0.0
34.19.51 (C)	1.06	0.0
34.19.52 (C)	-0.02	0.0
34.19.53 (C)	-0.93	0.0
34.19.54 (C)	0.65	0.0
34.19.55 (C)	0.94	0.0
34.19.56 (C)	0.15	0.0
34.19.57 (C)	0.15	0.0
34.19.58 (C)	-0.25	0.0
34.19.59 (C)	-1.32	0.0
34.19.60 (C)	1.16	0.0
34.19.61 (C)	0.72	0.0
34.19.62 (C)	0.56	0.0
34.19.63 (C)	-1.07	0.0
34.19.64 (C)	-0.26	0.0
34.19.65 (C)	0.56	0.0
34.19.66 (C)	-0.92	0.0
34.19.67 (C)	-0.32	0.0
34.19.68 (C)	-0.44	0.0
34.19.69 (C)	-1.87	0.0
34.19.70 (C)	-1.05	0.0
34.19.71 (C)	-1.05	0.0
34.19.72 (C)	0.92	0.0
34.19.73 (C)	0.56	0.0
34.19.74 (C)	-0.97	0.0
34.19.75 (C)	-0.15	0.0
34.19.76 (C)	-0.15	0.0
34.19.77 (C)	-0.30	0.0
34.19.78 (C)	-0.01	0.0
34.19.79 (C)	0.31	0.0
34.19.80 (C)	-0.01	0.0
34.19.81 (C)	-0.01	0.0
34.19.82 (C)	-0.01	0.0
34.19.83 (C)	0.31	0.0

Date: 3/10/24 Page 74

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	FZ (kip)	MX (kip-in)
36/9/24 (C)	0.01	0.00
36/9/25 (C)	-0.30	-0.00
36/9/26 (C)	0.01	0.00
36/9/27 (C)	-0.30	0.00
36/9/28 (C)	-0.01	-0.00
36/9/29 (C)	0.00	-0.00
36/9/30 (C)	0.00	0.00
36/9/31 (C)	-0.01	0.00
36/9/32 (C)	-0.01	0.00
36/9/33 (C)	-0.01	0.00
36/9/34 (C)	-0.01	-0.00
36/9/35 (C)	0.01	-0.00
36/9/36 (C)	0.00	0.00
36/9/37 (C)	-0.00	-0.00
36/29/18 (C)	-0.00	0.00
36/29/19 (C)	0.00	0.00
36/29/20 (C)	-0.00	0.00
36/29/21 (C)	-0.00	0.00
36/29/22 (C)	0.00	-0.00
36/29/23 (C)	0.00	-0.00
36/29/24 (C)	-0.00	0.00
36/29/25 (C)	-0.00	0.00
36/29/26 (C)	-0.00	0.00
36/29/27 (C)	-0.00	0.00
36/29/28 (C)	0.00	0.00
36/29/29 (C)	0.00	0.00
36/29/30 (C)	0.00	0.00
36/29/31 (C)	-0.00	0.00
36/29/32 (C)	-0.00	0.00
36/29/33 (C)	-0.00	0.00
36/29/34 (C)	0.00	-0.00
36/29/35 (C)	0.00	-0.00
36/29/36 (C)	0.00	-0.00
36/29/37 (C)	-0.00	0.00
37/10/18 (C)	-0.00	-0.00
37/10/19 (C)	-0.00	-0.00
37/10/20 (C)	0.01	-0.00
37/10/21 (C)	0.01	-0.00
37/10/22 (C)	-0.01	-0.00
37/10/23 (C)	-0.01	-0.00
37/10/24 (C)	0.00	-0.00
37/10/25 (C)	0.00	-0.00
37/10/26 (C)	-0.00	-0.00
37/10/27 (C)	0.01	-0.00
37/10/28 (C)	-0.00	-0.00
37/10/29 (C)	0.00	-0.00
37/10/30 (C)	0.00	-0.00
37/10/31 (C)	-0.00	-0.00
37/10/32 (C)	-0.00	-0.00

Date: 3/10/2024 Page: 76

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	FZ (kip)	MX (kip-in)
37/10/33 (C)	0.01	-0.00
37/10/34 (C)	0.01	-0.00
37/10/35 (C)	-0.01	-0.00
37/10/36 (C)	0.00	-0.00
37/10/37 (C)	0.00	-0.00
37/30/18 (C)	0.00	0.00
37/30/19 (C)	0.00	0.00
37/30/20 (C)	0.00	-0.00
37/30/21 (C)	0.00	-0.00
37/30/22 (C)	-0.00	-0.00
37/30/23 (C)	-0.00	-0.00
37/30/24 (C)	-0.00	-0.00
37/30/25 (C)	-0.00	-0.00
37/30/26 (C)	0.00	-0.00
37/30/27 (C)	0.00	-0.00
37/30/28 (C)	0.00	0.00
37/30/29 (C)	-0.00	0.00
37/30/30 (C)	0.00	0.00
37/30/31 (C)	0.00	0.00
37/30/32 (C)	0.00	-0.00
37/30/33 (C)	0.00	-0.00
37/30/34 (C)	-0.00	-0.00
37/30/35 (C)	-0.00	-0.00
37/30/36 (C)	0.00	-0.00
37/30/37 (C)	0.00	-0.00
38/16/18 (C)	-0.00	0.00
38/16/19 (C)	-0.01	0.00
38/16/20 (C)	0.00	0.00
38/16/21 (C)	0.00	0.00
38/16/22 (C)	0.00	0.00
38/16/23 (C)	-0.01	0.00
38/16/24 (C)	-0.00	0.00
38/16/25 (C)	-0.00	0.00
38/16/26 (C)	-0.01	0.00
38/16/27 (C)	0.00	0.00
38/16/28 (C)	0.00	0.00
38/16/29 (C)	0.00	0.00
38/16/30 (C)	-0.00	0.00
38/16/31 (C)	-0.00	0.00
38/16/32 (C)	-0.01	0.00
38/16/33 (C)	0.00	0.00
38/16/34 (C)	0.00	0.00
38/16/35 (C)	-0.01	0.00
38/16/36 (C)	0.00	0.00
38/16/37 (C)	-0.00	0.00
38/21/18 (C)	-0.00	0.00
38/21/19 (C)	-0.00	0.00
38/21/20 (C)	0.00	0.00
38/21/21 (C)	0.00	0.00

Date: 3/10/2024 Page: 76

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: A50665  
 Address:

Bar/Node/Case	Fz (kip)	Mx (kip-m)
39-32-31 (C)	0.00	-0.02
39-32-32 (C)	-0.00	0.00
39-32-33 (C)	0.00	0.00
39-32-34 (C)	0.00	0.00
39-32-35 (C)	0.00	0.00
39-32-36 (C)	0.00	0.00
39-32-37 (C)	0.00	0.00
39-32-38 (C)	-0.00	0.00
39-32-39 (C)	0.00	0.00
39-32-40 (C)	-0.00	0.00
39-32-41 (C)	0.00	0.00
39-32-42 (C)	0.00	0.00
39-32-43 (C)	0.00	0.00
39-32-44 (C)	0.00	0.00
39-32-45 (C)	0.00	0.00
39-32-46 (C)	0.00	0.00
39-32-47 (C)	0.00	0.00
39-32-48 (C)	0.00	0.00
39-32-49 (C)	0.00	0.00
39-32-50 (C)	0.00	0.00
39-32-51 (C)	0.00	0.00
39-32-52 (C)	0.00	0.00
39-32-53 (C)	0.00	0.00
39-32-54 (C)	0.00	0.00
39-32-55 (C)	0.00	0.00
39-32-56 (C)	0.00	0.00
39-32-57 (C)	0.00	0.00
39-32-58 (C)	0.00	0.00
39-32-59 (C)	0.00	0.00
39-32-60 (C)	0.00	0.00

Date: 3/10/2024 Page: 77

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Author: A50665  
 Address:

Bar/Node/Case	Fz (kip)	Mx (kip-m)	My (kip-m)	Mz (kip-m)
39-32-31 (C)	0.00	0.00	0.00	0.00
39-32-32 (C)	0.00	0.00	0.00	0.00
39-32-33 (C)	0.00	0.00	0.00	0.00
39-32-34 (C)	0.00	0.00	0.00	0.00
39-32-35 (C)	0.00	0.00	0.00	0.00
39-32-36 (C)	0.00	0.00	0.00	0.00
39-32-37 (C)	0.00	0.00	0.00	0.00
39-32-38 (C)	0.00	0.00	0.00	0.00
39-32-39 (C)	0.00	0.00	0.00	0.00
39-32-40 (C)	0.00	0.00	0.00	0.00
39-32-41 (C)	0.00	0.00	0.00	0.00
39-32-42 (C)	0.00	0.00	0.00	0.00
39-32-43 (C)	0.00	0.00	0.00	0.00
39-32-44 (C)	0.00	0.00	0.00	0.00
39-32-45 (C)	0.00	0.00	0.00	0.00
39-32-46 (C)	0.00	0.00	0.00	0.00
39-32-47 (C)	0.00	0.00	0.00	0.00
39-32-48 (C)	0.00	0.00	0.00	0.00
39-32-49 (C)	0.00	0.00	0.00	0.00
39-32-50 (C)	0.00	0.00	0.00	0.00
39-32-51 (C)	0.00	0.00	0.00	0.00
39-32-52 (C)	0.00	0.00	0.00	0.00
39-32-53 (C)	0.00	0.00	0.00	0.00
39-32-54 (C)	0.00	0.00	0.00	0.00
39-32-55 (C)	0.00	0.00	0.00	0.00
39-32-56 (C)	0.00	0.00	0.00	0.00
39-32-57 (C)	0.00	0.00	0.00	0.00
39-32-58 (C)	0.00	0.00	0.00	0.00
39-32-59 (C)	0.00	0.00	0.00	0.00
39-32-60 (C)	0.00	0.00	0.00	0.00
1/1/18 (C)	-6.65	0.33		
1/1/19 (C)	-30.65	2.03		
1/1/20 (C)	45.69	-40.28		
1/1/21 (C)	9.90	-14.29		
1/1/22 (C)	-32.68	37.12		
1/1/23 (C)	-10.26	1.62		
1/1/24 (C)	0.21	-6.13		
1/1/25 (C)	-0.36	6.91		
1/1/26 (C)	-2.99	-52.61		
1/1/27 (C)	-12.13	-8.87		
1/1/28 (C)	-22.15	21.70		
1/1/29 (C)	-27.59	2.87		
1/1/30 (C)	-30.99	-1.79		
1/1/31 (C)	-21.29	5.06		
1/1/32 (C)	24.80	-45.81		
1/1/34 (C)	-0.75	27.00		
1/1/35 (C)	-7.71	1.46		
1/1/36 (C)	0.83	-4.32		
1/1/37 (C)	0.43	4.81		
1/9/18 (C)	12.12	-1.36		
1/9/19 (C)	54.83	-6.98		
1/9/20 (C)	-13.68	34.12		
1/9/21 (C)	12.26	-9.29		
1/9/22 (C)	20.69	-40.53		
1/9/23 (C)	26.64	6.24		
1/9/24 (C)	7.57	2.06		
1/9/25 (C)	6.67	-4.89		
1/9/26 (C)	33.80	-30.44		
1/9/27 (C)	44.26	-6.51		
1/9/28 (C)	56.95	-39.94		
1/9/29 (C)	96.69	10.12		
1/9/30 (C)	41.76	-51.77		
1/9/31 (C)	42.25	-7.62		
1/9/32 (C)	-6.54	47.20		
1/9/33 (C)	7.41	-4.74		
1/9/34 (C)	15.84	-38.96		
1/9/35 (C)	23.99	6.80		
1/9/36 (C)	4.08	1.59		
1/9/37 (C)	-4.90	-2.95		
2/2/18 (C)	-6.65	0.33		

Date: 3/10/2024 Page: 78

Autodesk Robot Structural Analysis Professional 2021  
 Author: Address:  
 File: RH25X60-10M-P4-20-106-33.rtd  
 Project: RH25X60-10M-P4-20-106-33

BarNode-Case	MY (kip-in)	MZ (kip-in)
2/2/19 (C)	-30.65	-2.05
2/2/20 (C)	-45.44	-60.45
2/2/21 (C)	-29.57	-37.97
2/2/22 (C)	-3.46	-27.14
2/2/23 (C)	-10.45	-1.62
2/2/24 (C)	-13.32	-6.90
2/2/25 (C)	-0.36	-6.91
2/2/26 (C)	-11.74	-18.70
2/2/27 (C)	-41.75	-29.85
2/2/28 (C)	-22.15	-21.70
2/2/29 (C)	-27.59	-2.57
2/2/30 (C)	-38.41	-5.00
2/2/31 (C)	-21.29	-5.06
2/2/32 (C)	-26.34	-27.00
2/2/33 (C)	-26.33	-37.84
2/2/34 (C)	-0.72	-27.00
2/2/35 (C)	-7.71	-1.46
2/2/36 (C)	-9.96	-4.72
2/2/37 (C)	0.49	-4.81
2/10/18 (C)	12.12	1.36
2/10/19 (C)	54.33	8.86
2/10/20 (C)	13.23	44.46
2/10/21 (C)	28.91	43.67
2/10/22 (C)	-20.69	-40.93
2/10/23 (C)	-28.34	-5.24
2/10/24 (C)	16.68	-4.82
2/10/25 (C)	6.87	9.36
2/10/26 (C)	-45.24	7.23
2/10/27 (C)	-50.80	37.26
2/10/28 (C)	50.98	34.94
2/10/29 (C)	56.69	-0.14
2/10/30 (C)	-46.55	7.36
2/10/31 (C)	-2.46	7.47
2/10/32 (C)	9.72	9.04
2/10/33 (C)	19.95	45.12
2/10/34 (C)	15.34	39.96
2/10/35 (C)	-23.94	-6.80
2/10/36 (C)	10.47	3.34
2/10/37 (C)	-4.36	3.26
3/7/16 (C)	-6.38	-0.35
3/7/18 (C)	-30.68	-2.03
3/7/20 (C)	-49.69	60.35
3/7/21 (C)	9.40	14.20
3/7/22 (C)	-3.10	4.36
3/7/23 (C)	-10.17	22.86
3/7/24 (C)	0.21	6.18
3/7/25 (C)	-13.36	1.24
3/7/26 (C)	-2.94	30.61
3/7/27 (C)	-12.13	9.37

Autodesk Robot Structural Analysis Professional 2021  
 Author: Address:  
 File: RH25X60-10M-P4-20-106-33.rtd  
 Project: RH25X60-10M-P4-20-106-33

BarNode-Case	MY (kip-in)	MZ (kip-in)
3/7/28 (C)	-31.68	2.26
3/7/29 (C)	-27.19	15.76
3/7/30 (C)	-20.95	1.75
3/7/31 (C)	-26.11	1.85
3/7/32 (C)	24.64	45.41
3/7/33 (C)	12.64	14.92
3/7/34 (C)	-3.33	4.98
3/7/35 (C)	-7.43	-22.95
3/7/36 (C)	0.63	4.32
3/7/37 (C)	-5.66	-4.41
3/15/18 (C)	12.12	1.36
3/15/19 (C)	54.63	8.90
3/15/20 (C)	13.68	44.12
3/15/21 (C)	12.26	3.23
3/15/22 (C)	-8.23	4.51
3/15/23 (C)	6.75	-33.76
3/15/24 (C)	7.57	-2.06
3/15/25 (C)	15.38	-2.12
3/15/26 (C)	25.60	-30.44
3/15/27 (C)	34.26	9.31
3/15/28 (C)	28.69	7.82
3/15/29 (C)	-40.12	-20.78
3/15/30 (C)	41.76	3.77
3/15/31 (C)	-46.67	3.34
3/15/32 (C)	-5.54	-47.20
3/15/33 (C)	7.41	4.74
3/15/34 (C)	-15.09	9.95
3/15/35 (C)	1.90	-34.32
3/15/36 (C)	-8.68	-1.60
3/15/37 (C)	5.55	-1.62
4/8/18 (C)	-8.68	3.23
4/8/19 (C)	-30.65	2.05
4/8/20 (C)	-45.44	60.45
4/8/21 (C)	-29.57	-37.97
4/8/22 (C)	-3.46	-27.14
4/8/23 (C)	-10.45	-1.62
4/8/24 (C)	-13.32	-6.90
4/8/25 (C)	-0.36	-6.91
4/8/26 (C)	-11.74	-18.70
4/8/27 (C)	-41.75	-29.85
4/8/28 (C)	-22.15	-21.70
4/8/29 (C)	-27.59	-2.57
4/8/30 (C)	-38.41	-5.00
4/8/31 (C)	-21.29	-5.06
4/8/32 (C)	-26.34	-27.00
4/8/33 (C)	-26.33	-37.84
4/8/34 (C)	-0.72	-27.00
4/8/35 (C)	-7.71	-1.46
4/8/36 (C)	-9.96	-4.72
4/8/37 (C)	0.49	-4.81
4/8/38 (C)	12.12	1.36
4/8/39 (C)	54.33	8.86
4/8/40 (C)	13.23	44.46
4/8/41 (C)	28.91	43.67
4/8/42 (C)	-20.69	-40.93
4/8/43 (C)	-28.34	-5.24
4/8/44 (C)	16.68	-4.82
4/8/45 (C)	6.87	9.36
4/8/46 (C)	-45.24	7.23
4/8/47 (C)	-50.80	37.26
4/8/48 (C)	50.98	34.94
4/8/49 (C)	56.69	-0.14
4/8/50 (C)	-46.55	7.36
4/8/51 (C)	-2.46	7.47
4/8/52 (C)	9.72	9.04
4/8/53 (C)	19.95	45.12
4/8/54 (C)	15.34	39.96
4/8/55 (C)	-23.94	-6.80
4/8/56 (C)	10.47	3.34
4/8/57 (C)	-4.36	3.26
4/8/58 (C)	-6.38	-0.35
4/8/59 (C)	-30.68	-2.03
4/8/60 (C)	-49.69	60.35
4/8/61 (C)	9.40	14.20
4/8/62 (C)	-3.10	4.36
4/8/63 (C)	-10.17	22.86
4/8/64 (C)	0.21	6.18
4/8/65 (C)	-13.36	1.24
4/8/66 (C)	-2.94	30.61
4/8/67 (C)	-12.13	9.37

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-F4-20-105-33.rtd  
 Project: RH25X60-10M-F4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
4/8/37 (C)	-0.65	-4.4
4/16/18 (C)	12.12	-1.38
4/16/19 (C)	54.83	-6.39
4/16/20 (C)	-3.22	-4.49
4/16/21 (C)	23.91	-43.67
4/16/22 (C)	-8.22	-4.51
4/16/23 (C)	6.73	33.76
4/16/24 (C)	16.83	-4.91
4/16/25 (C)	16.38	2.13
4/16/26 (C)	-46.24	-7.21
4/16/27 (C)	58.50	-37.24
4/16/28 (C)	28.89	-7.92
4/16/29 (C)	40.12	-20.78
4/16/30 (C)	46.55	-7.39
4/16/31 (C)	-46.97	-3.74
4/16/32 (C)	-9.72	-3.04
4/16/33 (C)	-19.65	-43.12
4/16/34 (C)	-13.08	-3.90
4/16/35 (C)	1.30	36.37
4/16/36 (C)	30.47	-3.24
4/16/37 (C)	9.55	1.62
5/3/18 (C)	-16.53	-0.64
5/3/19 (C)	-72.97	-5.09
5/3/20 (C)	39.42	0.97
5/3/21 (C)	43.18	0.00
5/3/22 (C)	32.92	15.34
5/3/23 (C)	-52.75	9.91
5/3/24 (C)	-6.17	-0.71
5/3/25 (C)	-17.48	9.74
5/3/26 (C)	-31.52	-2.32
5/3/27 (C)	-10.12	-1.97
5/3/28 (C)	-36.77	9.55
5/3/29 (C)	-36.02	5.57
5/3/30 (C)	-59.42	-2.50
5/3/31 (C)	-59.23	2.90
5/3/32 (C)	-27.05	-0.18
5/3/33 (C)	52.38	0.20
5/3/34 (C)	19.53	15.61
5/3/35 (C)	-46.14	-10.26
5/3/36 (C)	-3.57	-0.43
5/3/37 (C)	-10.44	6.30
5/11/18 (C)	29.16	0.94
5/11/19 (C)	134.85	4.02
5/11/20 (C)	-41.21	-1.59
5/11/21 (C)	-22.18	-0.43
5/11/22 (C)	-19.61	-10.90
5/11/23 (C)	-76.40	-5.73
5/11/24 (C)	17.73	0.9
5/11/25 (C)	24.16	-6.33

Date: 3/10/2024

Page: 81

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-F4-20-105-33.rtd  
 Project: RH25X60-10M-F4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
5/11/26 (C)	66.12	3.02
5/11/27 (C)	50.12	2.27
5/11/28 (C)	62.05	-5.62
5/11/29 (C)	134.06	-7.70
5/11/30 (C)	61.41	3.26
5/11/31 (C)	65.10	-3.54
5/11/32 (C)	16.96	0.22
5/11/33 (C)	-51.69	-1.77
5/11/34 (C)	-26.11	-11.28
5/11/35 (C)	66.50	-5.06
5/11/36 (C)	162.46	0.57
5/11/37 (C)	14.96	-4.51
5/4/18 (C)	-16.53	0.69
5/4/19 (C)	-72.97	3.09
5/4/20 (C)	-46.97	0.66
5/4/21 (C)	-9.72	0.76
5/4/22 (C)	-19.65	-15.94
5/4/23 (C)	-13.08	-3.95
5/4/24 (C)	-6.68	0.66
5/4/25 (C)	-17.28	-3.72
5/4/26 (C)	-116.12	3.06
5/4/27 (C)	-76.37	2.66
5/4/28 (C)	-36.77	-9.65
5/4/29 (C)	-46.02	-5.02
5/4/30 (C)	-64.28	2.66
5/4/31 (C)	-56.25	-2.96
5/4/32 (C)	-54.93	1.20
5/4/33 (C)	-33.27	0.90
5/4/34 (C)	19.53	-15.61
5/4/35 (C)	-46.14	-10.26
5/4/36 (C)	-17.17	0.39
5/4/37 (C)	-10.44	-6.86
6/12/18 (C)	29.16	-0.64
6/12/19 (C)	104.86	-4.02
6/12/20 (C)	-38.06	-1.46
6/12/21 (C)	11.84	-0.67
6/12/22 (C)	19.61	-0.95
6/12/23 (C)	76.40	5.73
6/12/24 (C)	25.78	-3.77
6/12/25 (C)	24.76	5.33
6/12/26 (C)	122.51	-4.21
6/12/27 (C)	76.39	-3.25
6/12/28 (C)	62.05	5.62
6/12/29 (C)	134.06	1.16
6/12/30 (C)	67.72	-2.19
6/12/31 (C)	65.10	0.54
6/12/32 (C)	64.63	-1.56
6/12/33 (C)	17.73	-0.9
6/12/34 (C)	24.16	11.36

Date: 3/10/2024

Page: 82

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X80-10M-P4-20-105-33.rtd  
 Project: RH25X80-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MC (kip-in)
8/12/35 (C)	68.90	6.06
8/12/36 (C)	13.27	-0.46
8/12/37 (C)	14.96	-4.51
7/6/18 (C)	-16.63	0.69
7/6/19 (C)	-72.97	3.09
7/6/20 (C)	94.43	-0.92
7/6/21 (C)	46.76	-0.00
7/6/22 (C)	20.61	14.92
7/6/23 (C)	-46.67	19.13
7/6/24 (C)	-6.17	0.71
7/6/25 (C)	-4.57	11.10
7/6/26 (C)	-31.02	2.80
7/6/27 (C)	-17.12	1.97
7/6/28 (C)	-31.00	13.17
7/6/29 (C)	-31.62	11.82
7/6/30 (C)	-33.42	2.50
7/6/31 (C)	-38.66	7.96
7/6/32 (C)	27.20	0.78
7/6/33 (C)	52.39	-0.29
7/6/34 (C)	27.22	14.62
7/6/35 (C)	-40.26	12.66
7/6/36 (C)	2.67	0.46
7/6/37 (C)	-9.39	7.70
7/13/18 (C)	23.76	-0.84
7/13/19 (C)	104.65	-4.02
7/13/20 (C)	-41.21	1.53
7/13/21 (C)	-22.16	0.44
7/13/22 (C)	-30.15	-0.86
7/13/23 (C)	68.25	-10.77
7/13/24 (C)	17.73	-0.91
7/13/25 (C)	22.76	-0.01
7/13/26 (C)	30.12	-3.03
7/13/27 (C)	50.12	-2.27
7/13/28 (C)	44.15	3.99
7/13/29 (C)	118.02	-10.22
7/13/30 (C)	91.41	-3.26
7/13/31 (C)	84.05	-4.99
7/13/32 (C)	18.98	-0.29
7/13/33 (C)	-31.69	0.77
7/13/34 (C)	-39.62	-9.52
7/13/35 (C)	33.85	-9.83
7/13/36 (C)	10.04	-0.65
7/13/37 (C)	13.55	-5.62
8/6/18 (C)	-16.55	-4.69
8/6/19 (C)	-72.97	-3.09
8/6/20 (C)	38.37	-0.80
8/6/21 (C)	-39.68	4.70
8/6/22 (C)	20.61	-14.92
8/6/23 (C)	-48.87	-12.73

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X80-10M-P4-20-105-33.rtd  
 Project: RH25X80-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MC (kip-in)
8/6/24 (C)	-26.88	-0.68
8/6/25 (C)	-19.78	-11.10
8/6/26 (C)	-115.12	-2.09
8/6/27 (C)	-76.37	-2.56
8/6/28 (C)	-31.60	-13.17
8/6/29 (C)	-31.62	-11.82
8/6/30 (C)	-84.29	-2.49
8/6/31 (C)	-59.46	-7.96
8/6/32 (C)	-64.90	-1.20
8/6/33 (C)	-33.27	-0.60
8/6/34 (C)	27.22	-14.62
8/6/35 (C)	-40.26	-12.66
8/6/36 (C)	-17.17	-0.99
8/6/37 (C)	-8.38	-7.70
8/14/18 (C)	23.76	0.84
8/14/19 (C)	104.65	4.02
8/14/20 (C)	-41.21	1.48
8/14/21 (C)	12.84	0.87
8/14/22 (C)	-30.15	0.98
8/14/23 (C)	68.25	10.17
8/14/24 (C)	29.78	0.77
8/14/25 (C)	23.76	0.01
8/14/26 (C)	22.51	4.31
8/14/27 (C)	76.29	2.29
8/14/28 (C)	44.15	9.91
8/14/29 (C)	118.02	10.22
8/14/30 (C)	97.74	3.19
8/14/31 (C)	84.05	6.99
8/14/32 (C)	64.83	1.95
8/14/33 (C)	3.24	0.94
8/14/34 (C)	-59.46	5.52
8/14/35 (C)	58.95	9.83
8/14/36 (C)	18.27	0.46
8/14/37 (C)	13.56	5.62
9/9/18 (C)	-2.91	-0.01
9/9/19 (C)	-4.02	-0.05
9/9/20 (C)	10.24	-3.40
9/9/21 (C)	5.28	3.70
9/9/22 (C)	-5.96	9.22
9/9/23 (C)	-12.14	-5.02
9/9/24 (C)	-0.38	-1.70
9/9/25 (C)	-2.26	1.03
9/9/26 (C)	-2.20	5.12
9/9/27 (C)	2.40	2.34
9/9/28 (C)	-6.09	6.80
9/9/29 (C)	-10.67	-2.79
9/9/30 (C)	-2.41	-0.81
9/9/31 (C)	-3.40	0.91
9/9/32 (C)	0.31	-12.11

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-F4-20-105-33.rtd  
 Project: RH25X60-10M-F4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
9,10,22 (C)	5.45	3.72
9,10,24 (C)	-4.73	9.27
9,10,25 (C)	-0.98	-5.02
9,10,26 (C)	0.23	-0.77
9,10,27 (C)	-1.29	0.79
9,10,18 (C)	-4.19	-0.31
9,10,19 (C)	-10.05	-2.28
9,10,20 (C)	-4.40	12.08
9,10,21 (C)	0.85	7.70
9,10,23 (C)	12.72	4.91
9,10,24 (C)	-9.45	-1.78
9,10,25 (C)	-4.85	-0.07
9,10,26 (C)	-3.31	-0.07
9,10,27 (C)	-22.18	1.34
9,10,28 (C)	-11.65	4.21
9,10,29 (C)	-2.88	2.12
9,10,30 (C)	-19.20	-2.90
9,10,31 (C)	-15.81	-1.67
9,10,32 (C)	-44.80	-1.95
9,10,33 (C)	-11.75	3.87
9,10,34 (C)	2.32	7.62
9,10,35 (C)	-4.37	5.03
9,10,36 (C)	-7.77	-1.58
9,10,37 (C)	-2.94	-0.07
9,10,18 (C)	-1.32	0.02
9,10,19 (C)	2.31	0.11
9,10,20 (C)	-4.02	0.06
9,10,21 (C)	-0.15	-8.52
9,10,22 (C)	-3.55	-11.03
9,10,23 (C)	-5.95	-8.22
9,10,24 (C)	-12.84	5.02
9,10,25 (C)	-5.44	-1.00
9,10,26 (C)	-2.26	-1.00
9,10,27 (C)	-30.68	1.97
9,10,28 (C)	-4.22	-8.24
9,10,29 (C)	-6.03	-6.98
9,10,30 (C)	-10.67	3.78
9,10,31 (C)	-5.27	-0.54
9,10,32 (C)	-3.42	-0.51
9,10,33 (C)	-11.25	2.52
9,10,34 (C)	-2.38	-1.03
9,10,35 (C)	-4.73	-9.22
9,10,36 (C)	-30.98	5.02
9,10,37 (C)	-3.31	-0.76
9,10,38 (C)	-3.29	-0.72
9,10,39 (C)	-4.19	0.31
9,10,40 (C)	-18.95	2.28
9,10,41 (C)	4.10	11.53
9,10,42 (C)	-4.28	3.12

Date: 3/10/24 Page: 85

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-F4-20-105-33.rtd  
 Project: RH25X60-10M-F4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
10,25,22 (C)	12.70	-4.91
10,25,23 (C)	-5.68	-1.76
10,25,24 (C)	-3.51	0.64
10,25,25 (C)	-3.31	0.02
10,25,26 (C)	-18.91	3.08
10,25,27 (C)	-8.68	3.08
10,25,28 (C)	-2.08	-2.12
10,25,29 (C)	-19.20	2.90
10,25,30 (C)	-14.90	1.92
10,25,31 (C)	-14.80	1.65
10,25,32 (C)	-6.09	9.76
10,25,33 (C)	6.09	2.69
10,25,34 (C)	14.37	5.05
10,25,35 (C)	-7.77	1.66
10,25,36 (C)	-2.04	0.95
10,25,37 (C)	-1.90	-3.02
11,16,18 (C)	-2.91	0.01
11,16,19 (C)	-4.02	0.05
11,16,20 (C)	10.04	9.40
11,16,21 (C)	5.08	-3.70
11,16,22 (C)	7.93	-4.35
11,16,23 (C)	-1.63	3.74
11,16,24 (C)	-0.36	1.10
11,16,25 (C)	-3.66	1.05
11,16,26 (C)	-2.00	3.12
11,16,27 (C)	2.40	-2.74
11,16,28 (C)	-4.38	-3.25
11,16,29 (C)	-2.71	8.95
11,16,30 (C)	-2.41	0.61
11,16,31 (C)	-4.08	0.62
11,16,32 (C)	0.31	12.11
11,16,33 (C)	6.45	3.70
11,16,34 (C)	5.03	-4.95
11,16,35 (C)	-0.32	3.74
11,16,36 (C)	0.03	3.72
11,16,37 (C)	-2.30	3.75
11,28,18 (C)	-4.18	0.51
11,28,19 (C)	-18.95	2.28
11,28,20 (C)	-4.40	-12.05
11,28,21 (C)	0.65	-7.70
11,28,22 (C)	-0.50	-0.64
11,28,23 (C)	-19.63	5.04
11,28,24 (C)	-4.66	0.07
11,28,25 (C)	-8.07	3.66
11,28,26 (C)	-22.18	-1.24
11,28,27 (C)	-11.65	-4.21
11,28,28 (C)	-12.49	1.08
11,28,29 (C)	-26.77	5.95
11,28,30 (C)	-18.61	1.67

Date: 3/10/24 Page: 86

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-ft)	MZ (kip-ft)
11/28/01 (C)	-13.72	1.88
11/28/02 (C)	-11.78	-3.87
11/28/03 (C)	2.52	-7.82
11/28/04 (C)	-1.17	-0.77
11/28/05 (C)	-17.86	4.92
11/28/06 (C)	-2.89	0.02
11/28/07 (C)	-3.13	0.38
12/16/18 (C)	-2.81	-0.01
12/16/19 (C)	-1.82	-0.02
12/16/20 (C)	-10.16	8.32
12/16/21 (C)	-3.92	-1.02
12/16/22 (C)	7.82	4.36
12/16/23 (C)	-1.82	-0.74
12/16/24 (C)	-5.44	1.02
12/16/25 (C)	-3.56	-1.02
12/16/26 (C)	-10.88	-1.82
12/16/27 (C)	-4.22	8.24
12/16/28 (C)	4.29	3.29
12/16/29 (C)	-2.11	-6.59
12/16/30 (C)	-8.07	6.54
12/16/31 (C)	-4.06	-0.82
12/16/32 (C)	-11.26	-2.32
12/16/33 (C)	-2.29	11.02
12/16/34 (C)	9.02	4.36
12/16/35 (C)	-0.27	-0.74
12/16/36 (C)	-3.51	0.76
12/16/37 (C)	-2.20	-0.72
12/28/19 (C)	-4.19	-0.21
12/28/19 (C)	-18.95	-2.22
12/28/20 (C)	4.70	-11.98
12/28/21 (C)	4.49	2.72
12/28/22 (C)	-0.80	6.84
12/28/23 (C)	-19.83	-5.04
12/28/24 (C)	-3.51	-0.54
12/28/25 (C)	-5.03	-0.92
12/28/26 (C)	-18.21	-6.92
12/28/27 (C)	-8.86	-3.60
12/28/28 (C)	-12.49	-1.02
12/28/29 (C)	-26.77	-5.32
12/28/30 (C)	-14.90	-1.32
12/28/31 (C)	-15.72	-1.92
12/28/32 (C)	-8.89	-5.76
12/28/33 (C)	6.26	-2.36
12/28/34 (C)	1.17	8.72
12/28/35 (C)	-17.86	-4.92
12/28/36 (C)	-2.04	-0.32
12/28/37 (C)	-3.13	-0.32
13/11/18 (C)	-23.82	-0.36
13/11/19 (C)	-188.87	-1.82

Date: 3/10/24 Page: 87

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-ft)	MZ (kip-ft)
13/11/20 (C)	59.66	-2.54
13/11/21 (C)	22.56	-0.32
13/11/22 (C)	21.24	-6.92
13/11/23 (C)	-77.86	-4.92
13/11/24 (C)	-17.86	-0.41
13/11/25 (C)	-24.98	-0.62
13/11/26 (C)	-90.28	-1.36
13/11/27 (C)	-60.28	-2.34
13/11/28 (C)	-81.28	-6.02
13/11/29 (C)	-125.80	-4.92
13/11/30 (C)	-82.01	-1.48
13/11/31 (C)	-85.77	-1.56
13/11/32 (C)	-21.19	-0.72
13/11/33 (C)	32.14	-2.72
13/11/34 (C)	39.62	-6.82
13/11/35 (C)	-68.01	-2.16
13/11/36 (C)	-10.16	-0.23
13/11/37 (C)	-15.09	-0.84
13/26/19 (C)	13.26	6.02
13/26/19 (C)	89.64	-29.32
13/26/20 (C)	-1.07	16.72
13/26/21 (C)	-2.14	10.94
13/26/22 (C)	0.81	16.18
13/26/23 (C)	36.64	-17.72
13/26/24 (C)	13.10	-5.36
13/26/25 (C)	14.42	-5.57
13/26/26 (C)	54.86	-23.72
13/26/27 (C)	33.11	-11.84
13/26/28 (C)	38.12	-8.72
13/26/29 (C)	65.00	-37.64
13/26/30 (C)	-17.41	-33.52
13/26/31 (C)	40.13	-33.82
13/26/32 (C)	17.86	-3.42
13/26/33 (C)	-3.16	12.92
13/26/34 (C)	-4.49	16.57
13/26/35 (C)	9.35	-10.31
13/26/36 (C)	7.90	-3.15
13/26/37 (C)	-23.82	-0.89
14/12/18 (C)	-102.57	1.36
14/12/19 (C)	-30.00	-2.54
14/12/20 (C)	-11.11	0.19
14/12/21 (C)	21.24	6.21
14/12/22 (C)	-17.86	4.92
14/12/23 (C)	-29.93	0.97
14/12/24 (C)	-24.98	0.62
14/12/25 (C)	-123.34	-0.91
14/12/26 (C)	-75.54	1.29
14/12/27 (C)	-91.28	6.02

Date: 3/10/24 Page: 88

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-106-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (k-lp-in)	MZ (k-lp-in)
14/12/28 (C)	-125.41	4.32
14/12/30 (C)	-88.31	1.43
14/12/31 (C)	35.71	1.38
14/12/32 (C)	-65.27	-2.10
14/12/33 (C)	-1.54	0.03
14/12/34 (C)	30.22	6.52
14/12/35 (C)	-48.01	4.18
14/12/36 (C)	-18.55	0.22
14/12/37 (C)	-15.09	0.32
14/26/18 (C)	13.25	6.03
14/26/19 (C)	36.69	28.92
14/26/20 (C)	0.47	16.32
14/26/21 (C)	2.63	5.16
14/26/22 (C)	0.81	24.16
14/26/23 (C)	36.69	17.03
14/26/24 (C)	13.91	6.71
14/26/25 (C)	14.55	5.67
14/26/26 (C)	55.63	37.76
14/26/27 (C)	39.61	27.19
14/26/28 (C)	38.12	8.73
14/26/29 (C)	65.50	32.64
14/26/30 (C)	47.43	34.33
14/26/31 (C)	46.13	33.62
14/26/32 (C)	10.58	22.17
14/26/33 (C)	-2.48	1.37
14/26/34 (C)	-8.49	-16.57
14/26/35 (C)	31.35	19.51
14/26/36 (C)	9.00	4.09
14/26/37 (C)	8.36	3.30
15/13/18 (C)	-23.93	0.32
15/13/19 (C)	-105.47	1.87
15/13/20 (C)	39.89	2.54
15/13/21 (C)	22.49	2.59
15/13/22 (C)	30.85	-4.92
15/13/23 (C)	-70.24	-4.40
15/13/24 (C)	-17.93	0.41
15/13/25 (C)	-22.88	0.17
15/13/26 (C)	90.29	1.82
15/13/27 (C)	-50.29	2.94
15/13/28 (C)	-44.07	-3.52
15/13/29 (C)	-119.88	-2.15
15/13/30 (C)	-32.01	1.48
15/13/31 (C)	-64.61	1.33
15/13/32 (C)	-21.19	0.78
15/13/33 (C)	32.14	2.23
15/13/34 (C)	-40.43	-5.02
15/13/35 (C)	-60.87	-4.45
15/13/36 (C)	-10.16	0.25
15/13/37 (C)	-13.63	0.02

Date: 3/10/24 Page: 88

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-106-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (k-lp-in)	MZ (k-lp-in)
15/27/18 (C)	13.25	6.03
15/27/19 (C)	36.69	28.92
15/27/20 (C)	-1.07	-16.77
15/27/21 (C)	2.14	-10.54
15/27/22 (C)	-11.68	-4.92
15/27/23 (C)	27.14	25.09
15/27/24 (C)	12.18	5.36
15/27/25 (C)	11.94	6.69
15/27/26 (C)	54.98	25.72
15/27/27 (C)	-39.11	11.44
15/27/28 (C)	26.79	16.96
15/27/29 (C)	57.67	38.17
15/27/30 (C)	47.43	33.62
15/27/31 (C)	46.76	34.12
15/27/32 (C)	17.09	9.42
15/27/33 (C)	-2.16	-12.95
15/27/34 (C)	-16.93	-6.63
15/27/35 (C)	21.64	22.66
15/27/36 (C)	7.50	3.15
15/27/37 (C)	7.04	3.34
15/14/18 (C)	-23.93	-0.39
15/14/19 (C)	-105.47	-1.80
15/14/20 (C)	38.08	2.62
15/14/21 (C)	-11.11	-0.18
15/14/22 (C)	30.69	4.80
15/14/23 (C)	-70.24	4.40
15/14/24 (C)	-29.93	-0.37
15/14/25 (C)	-27.88	-0.17
15/14/26 (C)	122.36	0.31
15/14/27 (C)	78.56	-1.29
15/14/28 (C)	-44.07	2.97
15/14/29 (C)	-118.88	2.15
15/14/30 (C)	-46.31	-1.63
15/14/31 (C)	-64.61	-1.33
15/14/32 (C)	-65.27	2.10
15/14/33 (C)	-1.54	-0.03
15/14/34 (C)	40.43	5.05
15/14/35 (C)	-60.87	4.95
15/14/36 (C)	-16.56	-0.20
15/14/37 (C)	-12.63	-0.06
15/27/18 (C)	12.26	6.06
15/27/19 (C)	36.69	28.92
15/27/20 (C)	0.47	-16.30
15/27/21 (C)	2.61	-5.78
15/27/22 (C)	-11.63	-4.82
15/27/23 (C)	27.14	-25.09
15/27/24 (C)	15.31	-6.71
15/27/25 (C)	11.94	-6.69
15/27/26 (C)	55.69	-37.76

Date: 3/10/24 Page: 90

Autodesk Robot Structural Analysis Professional 20.21  
 File: RH25X80-10M-P4-20-105-33.rtd  
 Project: RH25X80-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node Case	MV (kip-in)	MC (kip-in)
16.27.27 (C)	39.61	-52.18
16.27.28 (C)	-29.19	-15.96
16.27.29 (C)	57.87	-30.17
16.27.30 (C)	-47.48	-34.23
16.27.31 (C)	-46.76	-24.12
16.27.32 (C)	-19.86	-22.17
16.27.33 (C)	-2.49	-1.97
16.27.34 (C)	-15.03	6.92
16.27.35 (C)	27.64	-22.62
16.27.36 (C)	9.00	-4.09
16.27.37 (C)	7.04	-3.94
17.9.18 (C)	-3.03	0.11
17.9.19 (C)	-42.91	0.62
17.9.20 (C)	27.28	-3.18
17.9.21 (C)	-20.55	-9.44
17.9.22 (C)	-40.75	-10.81
17.9.23 (C)	-2.62	-2.11
17.9.24 (C)	-4.90	0.03
17.9.25 (C)	-3.00	-1.02
17.9.26 (C)	-4.36	5.18
17.9.27 (C)	-49.58	-6.77
17.9.28 (C)	-59.73	-7.78
17.9.29 (C)	-33.61	0.24
17.9.30 (C)	-32.54	0.36
17.9.31 (C)	-34.17	-0.21
17.9.32 (C)	35.09	6.44
17.9.33 (C)	-12.33	-9.49
17.9.34 (C)	-32.63	-10.85
17.9.35 (C)	-4.31	-3.15
17.9.36 (C)	-2.62	0.02
17.9.37 (C)	-4.80	-0.75
17.10.18 (C)	-8.05	0.11
17.10.19 (C)	-43.91	0.40
17.10.20 (C)	-27.40	-3.20
17.10.21 (C)	-44.20	-6.65
17.10.22 (C)	-40.75	-10.81
17.10.23 (C)	-7.62	-0.11
17.10.24 (C)	-11.16	0.19
17.10.25 (C)	-8.00	-1.02
17.10.26 (C)	-27.55	7.82
17.10.27 (C)	-61.37	-4.85
17.10.28 (C)	-59.73	-7.78
17.10.29 (C)	-33.61	0.24
17.10.30 (C)	-35.09	0.44
17.10.31 (C)	-34.17	-0.21
17.10.32 (C)	-4.02	0.05
17.10.33 (C)	-41.06	-6.72
17.10.34 (C)	-32.54	-10.85
17.10.35 (C)	-4.31	-3.15

Date: 3/10/24 Page: 91

Autodesk Robot Structural Analysis Professional 20.21  
 File: RH25X80-10M-P4-20-105-33.rtd  
 Project: RH25X80-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node Case	MV (kip-in)	MC (kip-in)
17.10.36 (C)	-7.01	0.12
17.10.37 (C)	-4.30	-0.75
18.16.18 (C)	-9.03	-0.11
18.16.19 (C)	-42.91	0.60
18.16.20 (C)	-27.40	-3.20
18.16.21 (C)	-44.20	-6.68
18.16.22 (C)	-3.30	1.97
18.16.23 (C)	-30.71	9.66
18.16.24 (C)	-11.16	0.19
18.16.25 (C)	-8.06	1.29
18.16.26 (C)	-27.55	7.89
18.16.27 (C)	-61.37	-4.89
18.16.28 (C)	-31.02	1.80
18.16.29 (C)	-12.63	7.26
18.16.30 (C)	-35.93	0.44
18.16.31 (C)	-34.21	1.02
18.16.32 (C)	-4.03	10.26
18.16.33 (C)	-41.06	-6.72
18.16.34 (C)	-4.39	1.82
18.16.35 (C)	-23.92	5.61
18.16.36 (C)	-7.01	0.12
18.16.37 (C)	-4.34	0.89
18.16.38 (C)	-8.03	0.11
18.16.39 (C)	-42.91	0.60
18.16.40 (C)	-27.39	-3.19
18.16.41 (C)	-20.55	-9.44
18.16.42 (C)	-3.30	1.97
18.16.43 (C)	-30.71	9.66
18.16.44 (C)	-4.30	0.03
18.16.45 (C)	-8.06	1.29
18.16.46 (C)	-4.26	5.18
18.16.47 (C)	-43.38	-6.77
18.16.48 (C)	-31.02	1.80
18.16.49 (C)	-12.63	7.26
18.16.50 (C)	-32.54	0.36
18.16.51 (C)	-34.21	1.02
18.16.52 (C)	-35.09	6.44
18.16.53 (C)	-12.33	-9.49
18.16.54 (C)	-32.63	-10.85
18.16.55 (C)	-4.30	-3.15
18.16.56 (C)	-23.92	5.61
18.16.57 (C)	-7.01	0.12
18.16.58 (C)	-4.34	0.89
18.16.59 (C)	-8.03	0.11
18.16.60 (C)	-42.91	0.60
18.16.61 (C)	-27.39	-3.19
18.16.62 (C)	-20.55	-9.44
18.16.63 (C)	-3.30	1.97
18.16.64 (C)	-30.71	9.66
18.16.65 (C)	-4.30	0.03
18.16.66 (C)	-8.06	1.29
18.16.67 (C)	-4.26	5.18
18.16.68 (C)	-43.38	-6.77
18.16.69 (C)	-31.02	1.80
18.16.70 (C)	-12.63	7.26
18.16.71 (C)	-32.54	0.36
18.16.72 (C)	-34.21	1.02
18.16.73 (C)	-35.09	6.44
18.16.74 (C)	-12.33	-9.49
18.16.75 (C)	-32.63	-10.85
18.16.76 (C)	-4.30	-3.15
18.16.77 (C)	-23.92	5.61
18.16.78 (C)	-7.01	0.12
18.16.79 (C)	-4.34	0.89
18.16.80 (C)	-8.03	0.11
18.16.81 (C)	-42.91	0.60
18.16.82 (C)	-27.39	-3.19
18.16.83 (C)	-20.55	-9.44
18.16.84 (C)	-3.30	1.97
18.16.85 (C)	-30.71	9.66
18.16.86 (C)	-4.30	0.03
18.16.87 (C)	-8.06	1.29
18.16.88 (C)	-4.26	5.18
18.16.89 (C)	-43.38	-6.77
18.16.90 (C)	-31.02	1.80
18.16.91 (C)	-12.63	7.26
18.16.92 (C)	-32.54	0.36
18.16.93 (C)	-34.21	1.02
18.16.94 (C)	-35.09	6.44
18.16.95 (C)	-12.33	-9.49
18.16.96 (C)	-32.63	-10.85
18.16.97 (C)	-4.30	-3.15
18.16.98 (C)	-23.92	5.61
18.16.99 (C)	-7.01	0.12
18.16.100 (C)	-4.34	0.89
18.16.101 (C)	-8.03	0.11
18.16.102 (C)	-42.91	0.60
18.16.103 (C)	-27.39	-3.19
18.16.104 (C)	-20.55	-9.44
18.16.105 (C)	-3.30	1.97
18.16.106 (C)	-30.71	9.66
18.16.107 (C)	-4.30	0.03
18.16.108 (C)	-8.06	1.29
18.16.109 (C)	-4.26	5.18
18.16.110 (C)	-43.38	-6.77
18.16.111 (C)	-31.02	1.80
18.16.112 (C)	-12.63	7.26
18.16.113 (C)	-32.54	0.36
18.16.114 (C)	-34.21	1.02
18.16.115 (C)	-35.09	6.44
18.16.116 (C)	-12.33	-9.49
18.16.117 (C)	-32.63	-10.85
18.16.118 (C)	-4.30	-3.15
18.16.119 (C)	-23.92	5.61
18.16.120 (C)	-7.01	0.12
18.16.121 (C)	-4.34	0.89
18.16.122 (C)	-8.03	0.11
18.16.123 (C)	-42.91	0.60
18.16.124 (C)	-27.39	-3.19
18.16.125 (C)	-20.55	-9.44
18.16.126 (C)	-3.30	1.97
18.16.127 (C)	-30.71	9.66
18.16.128 (C)	-4.30	0.03
18.16.129 (C)	-8.06	1.29
18.16.130 (C)	-4.26	5.18
18.16.131 (C)	-43.38	-6.77
18.16.132 (C)	-31.02	1.80
18.16.133 (C)	-12.63	7.26
18.16.134 (C)	-32.54	0.36
18.16.135 (C)	-34.21	1.02
18.16.136 (C)	-35.09	6.44
18.16.137 (C)	-12.33	-9.49
18.16.138 (C)	-32.63	-10.85
18.16.139 (C)	-4.30	-3.15
18.16.140 (C)	-23.92	5.61
18.16.141 (C)	-7.01	0.12
18.16.142 (C)	-4.34	0.89
18.16.143 (C)	-8.03	0.11
18.16.144 (C)	-42.91	0.60
18.16.145 (C)	-27.39	-3.19
18.16.146 (C)	-20.55	-9.44
18.16.147 (C)	-3.30	1.97
18.16.148 (C)	-30.71	9.66
18.16.149 (C)	-4.30	0.03
18.16.150 (C)	-8.06	1.29
18.16.151 (C)	-4.26	5.18
18.16.152 (C)	-43.38	-6.77
18.16.153 (C)	-31.02	1.80
18.16.154 (C)	-12.63	7.26
18.16.155 (C)	-32.54	0.36
18.16.156 (C)	-34.21	1.02
18.16.157 (C)	-35.09	6.44
18.16.158 (C)	-12.33	-9.49
18.16.159 (C)	-32.63	-10.85
18.16.160 (C)	-4.30	-3.15
18.16.161 (C)	-23.92	5.61
18.16.162 (C)	-7.01	0.12
18.16.163 (C)	-4.34	0.89
18.16.164 (C)	-8.03	0.11
18.16.165 (C)	-42.91	0.60
18.16.166 (C)	-27.39	-3.19
18.16.167 (C)	-20.55	-9.44
18.16.168 (C)	-3.30	1.97
18.16.169 (C)	-30.71	9.66
18.16.170 (C)	-4.30	0.03
18.16.171 (C)	-8.06	1.29
18.16.172 (C)	-4.26	5.18
18.16.173 (C)	-43.38	-6.77
18.16.174 (C)	-31.02	1.80
18.16.175 (C)	-12.63	7.26
18.16.176 (C)	-32.54	0.36
18.16.177 (C)	-34.21	1.02
18.16.178 (C)	-35.09	6.44
18.16.179 (C)	-12.33	-9.49
18.16.180 (C)	-32.63	-10.85
18.16.181 (C)	-4.30	-3.15
18.16.182 (C)	-23.92	5.61
18.16.183 (C)	-7.01	0.12
18.16.184 (C)	-4.34	0.89
18.16.185 (C)	-8.03	0.11
18.16.186 (C)	-42.91	0.60
18.16.187 (C)	-27.39	-3.19
18.16.188 (C)	-20.55	-9.44
18.16.189 (C)	-3.30	1.97
18.16.190 (C)	-30.71	9.66
18.16.191 (C)	-4.30	0.03
18.16.192 (C)	-8.06	1.29
18.16.193 (C)	-4.26	5.18
18.16.194 (C)	-43.38	-6.77
18.16.195 (C)	-31.02	1.80
18.16.196 (C)	-12.63	7.26
18.16.197 (C)	-32.54	0.36
18.16.198 (C)	-34.21	1.02
18.16.199 (C)	-35.09	6.44
18.16.200 (C)	-12.33	-9.49
18.16.201 (C)	-32.63	-10.85
18.16.202 (C)	-4.30	-3.15
18.16.203 (C)	-23.92	5.61
18.16.204 (C)	-7.01	0.12
18.16.205 (C)	-4.34	0.89
18.16.206 (C)	-8.03	0.11
18.16.207 (C)	-42.91	0.60
18.16.208 (C)	-27.39	-3.19
18.16.209 (C)	-20.55	-9.44
18.16.210 (C)	-3.30	1.97
18.16.211 (C)	-30.71	9.66
18.16.212 (C)	-4.30	0.03
18.16.213 (C)	-8.06	1.29
18.16.214 (C)	-4.26	5.18
18.16.215 (C)	-43.38	-6.77
18.16.216 (C)	-31.02	1.80
18.16.217 (C)	-12.63	7.26
18.16.218 (C)	-32.54	0.36
18.16.219 (C)	-34.21	1.02
18.16.220 (C)	-35.09	6.44
18.16.221 (C)	-12.33	-9.49
18.16.222 (C)	-32.63	-10.85
18.16.223 (C)	-4.30	-3.15
18.16.224 (C)	-23.92	5.61
18.16.225 (C)	-7.01	0.12
18.16.226 (C)	-4.34	0.89
18.16.227 (C)	-8.03	0.11
18.16.228 (C)	-42.91	0.60
18.16.229 (C)	-27.39	-3.19
18.16.230 (C)	-20.55	-9.44
18.16.231 (C)	-3.30	1.97
18.16.232 (C)	-30.71	9.66
18.16.233 (C)	-4.30	0.03
18.16.234 (C)	-8.06	1.29
18.16.235 (C)	-4.26	5.18
18.16.236 (C)	-43.38	-6.77
18.16.237 (C)	-31.02	1.80
18.16.238 (C)	-12.63	7.26
18.16.239 (C)	-32.54	0.36
18.16.240 (C)	-34.21	1.02
18.16.241 (C)	-35.09	6.44
18.16.242 (C)	-12.33	-9.49
18.16.243 (C)	-32.63	-10.85
18.16.244 (C)	-4.30	-3.15
18.16.245 (C)	-23.92	5.61
18.16.246 (C)	-7.01	0.12
18.16.247 (C)	-4.34	0.89
18.16.248 (C)	-8.03	0.11
18.16.249 (C)	-42.91	0.60
18.16.250 (C)	-27.39	-3.19
18.16.251 (C)	-20.55	-9.44
18.16.252 (C)	-3.30	1.97
18.16.253 (C)	-30.71	9.66
18.16.254 (C)	-4.30	0.03
18.16.255 (C)	-8.06	1.29
18.16.256 (C)	-4.26	5.18
18.16.257 (C)	-43.38	-6.77
18.16.258 (C)	-31.02	1.80
18.16.259 (C)	-12.63	7.26
18.16.260 (C)	-32.54	0.36
18.16.261 (C)	-34.21	1.02
18.16.262 (C)	-35.09	6.44
18.16.263 (C)	-12.33	-9.49
18.16.264 (C)	-32.63	-10.85
18.16.265 (C)	-4.30	-3.15
18.16.266 (C)	-23.92	5.61
18.16.267 (C)	-7.01	0.12
18.16.268 (C)	-4.34	0.89
18.16.269 (C)	-8.03	0.11

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	Mx (kip-in)	My (kip-in)	Mz (kip-in)
19/11/25 (C)	-11.58		-0.30
19/11/26 (C)	-59.05		-9.39
19/11/27 (C)	-33.93		0.49
19/11/28 (C)	-20.10		6.91
19/11/29 (C)	-56.64		-7.67
19/11/30 (C)	-34.70		-2.39
19/11/31 (C)	-36.98		-1.77
19/11/32 (C)	-39.03		-10.37
19/11/33 (C)	-4.25		2.81
19/11/34 (C)	19.28		11.24
19/11/35 (C)	-39.50		-8.07
19/11/36 (C)	-4.91		-0.96
19/11/37 (C)	-7.28		-0.20
19/9/18 (C)	-5.45		0.40
19/9/19 (C)	-29.81		2.15
19/9/20 (C)	-23.19		-1.34
19/9/21 (C)	-6.49		-3.36
19/9/22 (C)	17.93		2.18
19/9/23 (C)	-16.35		-5.23
19/9/24 (C)	-6.65		-0.58
19/9/25 (C)	-1.78		0.31
19/9/26 (C)	-40.23		-4.26
19/9/27 (C)	-34.50		-1.14
19/9/28 (C)	-6.71		2.98
19/9/29 (C)	-31.80		-2.54
19/9/30 (C)	-29.83		1.20
19/9/31 (C)	-21.80		1.65
19/9/32 (C)	-29.42		-7.73
19/9/33 (C)	-4.31		-3.55
19/9/34 (C)	19.41		1.36
19/9/35 (C)	-14.17		-5.42
19/9/36 (C)	-3.41		-0.43
19/9/37 (C)	-0.70		0.17
20/10/18 (C)	-6.45		0.68
20/10/19 (C)	-29.81		2.15
20/10/20 (C)	-23.19		-1.34
20/10/21 (C)	-6.49		-3.36
20/10/22 (C)	17.93		2.18
20/10/23 (C)	-16.35		-5.23
20/10/24 (C)	-6.65		-0.58
20/10/25 (C)	-1.78		0.31
20/10/26 (C)	-40.23		-4.26
20/10/27 (C)	-34.50		-1.14
20/10/28 (C)	-6.71		2.98
20/10/29 (C)	-31.80		-2.54
20/10/30 (C)	-29.83		1.20
20/10/31 (C)	-21.80		1.65
20/10/32 (C)	-29.42		-7.73
20/10/33 (C)	-4.31		-3.55
20/10/34 (C)	19.41		1.36
20/10/35 (C)	-14.17		-5.42
20/10/36 (C)	-3.41		-0.43
20/10/37 (C)	-0.70		0.17
20/10/38 (C)	-6.45		0.68
20/10/39 (C)	-29.81		2.15
20/10/40 (C)	-23.19		-1.34
20/10/41 (C)	-6.49		-3.36
20/10/42 (C)	17.93		2.18
20/10/43 (C)	-16.35		-5.23
20/10/44 (C)	-6.65		-0.58
20/10/45 (C)	-1.78		0.31
20/10/46 (C)	-40.23		-4.26
20/10/47 (C)	-34.50		-1.14
20/10/48 (C)	-6.71		2.98
20/10/49 (C)	-31.80		-2.54
20/10/50 (C)	-29.83		1.20
20/10/51 (C)	-21.80		1.65
20/10/52 (C)	-29.42		-7.73
20/10/53 (C)	-4.31		-3.55
20/10/54 (C)	19.41		1.36
20/10/55 (C)	-14.17		-5.42
20/10/56 (C)	-3.41		-0.43
20/10/57 (C)	-0.70		0.17
20/10/58 (C)	-6.45		0.68
20/10/59 (C)	-29.81		2.15
20/10/60 (C)	-23.19		-1.34
20/10/61 (C)	-6.49		-3.36
20/10/62 (C)	17.93		2.18
20/10/63 (C)	-16.35		-5.23
20/10/64 (C)	-6.65		-0.58
20/10/65 (C)	-1.78		0.31
20/10/66 (C)	-40.23		-4.26
20/10/67 (C)	-34.50		-1.14
20/10/68 (C)	-6.71		2.98
20/10/69 (C)	-31.80		-2.54
20/10/70 (C)	-29.83		1.20
20/10/71 (C)	-21.80		1.65
20/10/72 (C)	-29.42		-7.73
20/10/73 (C)	-4.31		-3.55
20/10/74 (C)	19.41		1.36
20/10/75 (C)	-14.17		-5.42
20/10/76 (C)	-3.41		-0.43
20/10/77 (C)	-0.70		0.17
20/10/78 (C)	-6.45		0.68
20/10/79 (C)	-29.81		2.15
20/10/80 (C)	-23.19		-1.34
20/10/81 (C)	-6.49		-3.36
20/10/82 (C)	17.93		2.18
20/10/83 (C)	-16.35		-5.23
20/10/84 (C)	-6.65		-0.58
20/10/85 (C)	-1.78		0.31
20/10/86 (C)	-40.23		-4.26
20/10/87 (C)	-34.50		-1.14
20/10/88 (C)	-6.71		2.98
20/10/89 (C)	-31.80		-2.54
20/10/90 (C)	-29.83		1.20
20/10/91 (C)	-21.80		1.65
20/10/92 (C)	-29.42		-7.73
20/10/93 (C)	-4.31		-3.55
20/10/94 (C)	19.41		1.36
20/10/95 (C)	-14.17		-5.42
20/10/96 (C)	-3.41		-0.43
20/10/97 (C)	-0.70		0.17
20/10/98 (C)	-6.45		0.68
20/10/99 (C)	-29.81		2.15
20/11/00 (C)	-23.19		-1.34
20/11/01 (C)	-6.49		-3.36
20/11/02 (C)	17.93		2.18
20/11/03 (C)	-16.35		-5.23
20/11/04 (C)	-6.65		-0.58
20/11/05 (C)	-1.78		0.31
20/11/06 (C)	-40.23		-4.26
20/11/07 (C)	-34.50		-1.14
20/11/08 (C)	-6.71		2.98
20/11/09 (C)	-31.80		-2.54
20/11/10 (C)	-29.83		1.20
20/11/11 (C)	-21.80		1.65
20/11/12 (C)	-29.42		-7.73
20/11/13 (C)	-4.31		-3.55
20/11/14 (C)	19.41		1.36
20/11/15 (C)	-14.17		-5.42
20/11/16 (C)	-3.41		-0.43
20/11/17 (C)	-0.70		0.17
20/11/18 (C)	-6.45		0.68
20/11/19 (C)	-29.81		2.15
20/11/20 (C)	-23.19		-1.34
20/11/21 (C)	-6.49		-3.36
20/11/22 (C)	17.93		2.18
20/11/23 (C)	-16.35		-5.23
20/11/24 (C)	-6.65		-0.58
20/11/25 (C)	-1.78		0.31
20/11/26 (C)	-40.23		-4.26
20/11/27 (C)	-34.50		-1.14
20/11/28 (C)	-6.71		2.98
20/11/29 (C)	-31.80		-2.54
20/11/30 (C)	-29.83		1.20
20/11/31 (C)	-21.80		1.65
20/11/32 (C)	-29.42		-7.73
20/11/33 (C)	-4.31		-3.55
20/11/34 (C)	19.41		1.36
20/11/35 (C)	-14.17		-5.42
20/11/36 (C)	-3.41		-0.43
20/11/37 (C)	-0.70		0.17
20/11/38 (C)	-6.45		0.68
20/11/39 (C)	-29.81		2.15
20/11/40 (C)	-23.19		-1.34
20/11/41 (C)	-6.49		-3.36
20/11/42 (C)	17.93		2.18
20/11/43 (C)	-16.35		-5.23
20/11/44 (C)	-6.65		-0.58
20/11/45 (C)	-1.78		0.31
20/11/46 (C)	-40.23		-4.26
20/11/47 (C)	-34.50		-1.14
20/11/48 (C)	-6.71		2.98
20/11/49 (C)	-31.80		-2.54
20/11/50 (C)	-29.83		1.20
20/11/51 (C)	-21.80		1.65
20/11/52 (C)	-29.42		-7.73
20/11/53 (C)	-4.31		-3.55
20/11/54 (C)	19.41		1.36
20/11/55 (C)	-14.17		-5.42
20/11/56 (C)	-3.41		-0.43
20/11/57 (C)	-0.70		0.17
20/11/58 (C)	-6.45		0.68
20/11/59 (C)	-29.81		2.15
20/11/60 (C)	-23.19		-1.34
20/11/61 (C)	-6.49		-3.36
20/11/62 (C)	17.93		2.18
20/11/63 (C)	-16.35		-5.23
20/11/64 (C)	-6.65		-0.58
20/11/65 (C)	-1.78		0.31
20/11/66 (C)	-40.23		-4.26
20/11/67 (C)	-34.50		-1.14
20/11/68 (C)	-6.71		2.98
20/11/69 (C)	-31.80		-2.54
20/11/70 (C)	-29.83		1.20
20/11/71 (C)	-21.80		1.65
20/11/72 (C)	-29.42		-7.73
20/11/73 (C)	-4.31		-3.55
20/11/74 (C)	19.41		1.36
20/11/75 (C)	-14.17		-5.42
20/11/76 (C)	-3.41		-0.43
20/11/77 (C)	-0.70		0.17
20/11/78 (C)	-6.45		0.68
20/11/79 (C)	-29.81		2.15
20/11/80 (C)	-23.19		-1.34
20/11/81 (C)	-6.49		-3.36
20/11/82 (C)	17.93		2.18
20/11/83 (C)	-16.35		-5.23
20/11/84 (C)	-6.65		-0.58
20/11/85 (C)	-1.78		0.31
20/11/86 (C)	-40.23		-4.26
20/11/87 (C)	-34.50		-1.14
20/11/88 (C)	-6.71		2.98
20/11/89 (C)	-31.80		-2.54
20/11/90 (C)	-29.83		1.20
20/11/91 (C)	-21.80		1.65
20/11/92 (C)	-29.42		-7.73
20/11/93 (C)	-4.31		-3.55
20/11/94 (C)	19.41		1.36
20/11/95 (C)	-14.17		-5.42
20/11/96 (C)	-3.41		-0.43
20/11/97 (C)	-0.70		0.17
20/11/98 (C)	-6.45		0.68
20/11/99 (C)	-29.81		2.15
20/12/00 (C)	-23.19		-1.34
20/12/01 (C)	-6.49		-3.36
20/12/02 (C)	17.93		2.18
20/12/03 (C)	-16.35		-5.23
20/12/04 (C)	-6.65		-0.58
20/12/05 (C)	-1.78		0.31
20/12/06 (C)	-40.23		-4.26
20/12/07 (C)	-34.50		-1.14
20/12/08 (C)	-6.71		2.98
20/12/09 (C)	-31.80		-2.54
20/12/10 (C)	-29.83		1.20
20/12/11 (C)	-21.80		1.65
20/12/12 (C)	-29.42		-7.73
20/12/13 (C)	-4.31		-3.55
20/12/14 (C)	19.41		1.36
20/12/15 (C)	-14.17		-5.42
20/12/16 (C)	-3.41		-0.43
20/12/17 (C)	-0.70		0.17
20/12/18 (C)	-6.45		0.68
20/12/19 (C)	-29.81		2.15
20/12/20 (C)	-23.19		-1.34
20/12/21 (C)	-6.49		-3.36
20/12/22 (C)	17.93		2.18
20/12/23 (C)	-16.35		-5.23
20/12/24 (C)	-6.65		-0.58
20/12/25 (C)	-1.78		0.31
20/12/26 (C)	-40.23		-4.26
20/12/27 (C)	-34.50		-1.14
20/12/28 (C)	-6.71		2.98
20/12/29 (C)	-31.80		-2.54
20/12/30 (C)	-29.83		1.20
20/12/31 (C)	-21.80		1.65
20/12/32 (C)	-29.42		-7.73
20/12/33 (C)	-4.31		-3.55
20/12/34 (C)	19.41		1.36
20/12/35 (C)	-14.17		-5.42
20/12/36 (C)	-3.41		-0.43
20/12/37 (C)	-0.70		0.17
20/12/38 (C)	-6.45		0.68
20/12/39 (C)	-29.81		2.15
20/12/40 (C)	-23.19		-1.34
20/12/41 (C)	-6.49		-3.36
20/12/42 (C)	17.93		2.18
20/12/43 (C)	-16.35		-5.23
20/12/44 (C)	-6.65		-0.58
20/12/45 (C)	-1.78		0.31
20/12/46 (C)	-40.23		-4.26
20/12/47 (C)	-34.50		-1.14
20/12/48 (C)	-6.71		2.98
20/12/49 (C)	-31.80		-2.54
20/12/50 (C)	-29.83		1.20
20/12/51 (C)	-21.80		1.65
20/12/52 (C)	-29.42		-7.73
20/12/53 (C)	-4.31		-3.55
20/12/54 (C)	19.41		1.36
20/12/55 (C)	-14.17		-5.42
20/12/56 (C)	-3.41		-0.43
20/12/57 (C)	-0.70		0.17
20/12/58 (C)	-6.45		0.68
20/12/59 (C)	-29.81		2.15
20/12/60 (C)	-23.19		-1.34
20/12/61 (C)	-6.49		-3.36
20/12/62 (C)	17.93		2.18
20/12/63 (C)	-16.35		-5.23
20/12/64 (C)	-6.65		-0.58
20/12/65 (C)	-1.78		0.31
20/12/66 (C)	-40.23		-4.26
20/12/67 (C)	-34.50		-1.14
20/12/68 (C)	-6.71		

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-F4-20-106-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-F4-20-106-33

Bar Node Case	MY (kip-in)	MZ (kip-in)
21:19:22 (C)	-28.43	-11.55
21:19:24 (C)	-8.20	-1.43
21:19:25 (C)	-4.89	-0.65
21:19:26 (C)	-59.05	9.38
21:19:27 (C)	-33.35	0.45
21:19:28 (C)	-11.88	5.99
21:19:29 (C)	-49.36	-10.13
21:19:30 (C)	-54.20	-0.33
21:19:31 (C)	-32.51	-1.92
21:19:32 (C)	-38.05	-10.37
21:19:33 (C)	-4.25	3.81
21:19:34 (C)	34.85	5.86
21:19:35 (C)	-25.12	-11.36
21:19:36 (C)	-4.31	-0.95
21:19:37 (C)	-7.86	-0.41
22:14:18 (C)	-8.25	-0.50
22:14:19 (C)	-47.30	-2.29
22:14:20 (C)	59.43	7.24
22:14:21 (C)	20.76	6.76
22:14:22 (C)	31.54	6.75
22:14:23 (C)	-25.43	-11.55
22:14:24 (C)	-0.35	0.42
22:14:25 (C)	-4.36	-0.65
22:14:26 (C)	-30.35	-3.95
22:14:27 (C)	-12.47	5.10
22:14:28 (C)	-11.88	3.59
22:14:29 (C)	-49.36	-10.13
22:14:30 (C)	-54.20	-1.96
22:14:31 (C)	-32.51	-1.92
22:14:32 (C)	-0.98	-2.82
22:14:33 (C)	-24.37	8.96
22:14:34 (C)	24.96	8.96
22:14:35 (C)	-35.12	-11.35
22:14:36 (C)	-5.92	0.34
22:14:37 (C)	-2.85	-0.41
22:14:38 (C)	-5.45	0.40
22:14:39 (C)	-29.81	3.15
22:16:21 (C)	28.71	12.60
22:16:22 (C)	13.52	5.97
22:16:23 (C)	3.93	6.14
22:16:24 (C)	-36.54	-1.72
22:16:25 (C)	-5.25	1.90
22:16:26 (C)	-8.11	0.54
22:16:27 (C)	-20.35	5.86
22:16:28 (C)	-9.77	5.86
22:16:29 (C)	-16.72	5.43
22:16:30 (C)	-39.54	0.00
22:16:31 (C)	-23.62	2.27
22:16:32 (C)	-25.64	1.87

Date: 3/10/24 Page: 95

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-F4-20-106-33.rtd  
 Author: Address:  
 Project: RH25X60-10M-F4-20-106-33

Bar Node Case	MY (kip-in)	MZ (kip-in)
22:16:32 (C)	1.17	5.79
22:16:33 (C)	18.00	5.76
22:16:34 (C)	6.07	6.05
22:16:35 (C)	-54.36	-3.81
22:16:36 (C)	-3.13	1.00
22:16:37 (C)	-2.65	0.80
23:19:18 (C)	-7.24	-3.10
23:19:19 (C)	-37.68	-0.42
23:19:20 (C)	-23.69	-9.66
23:19:21 (C)	-7.64	-3.04
23:19:22 (C)	5.77	9.85
23:19:23 (C)	-81.81	-5.31
23:19:24 (C)	-7.22	-1.07
23:19:25 (C)	-19.18	0.18
23:19:26 (C)	-42.42	-7.62
23:19:27 (C)	-59.60	-3.30
23:19:28 (C)	-17.54	7.15
23:19:29 (C)	-48.72	-4.24
23:19:30 (C)	-50.29	-0.85
23:19:31 (C)	-91.84	-3.18
23:19:32 (C)	-33.64	-3.78
23:19:33 (C)	-4.72	-3.00
23:19:34 (C)	12.67	9.86
23:19:35 (C)	-23.91	-5.22
23:19:36 (C)	-4.34	-0.74
23:19:37 (C)	-6.40	3.14
23:11:18 (C)	-7.24	-3.10
23:11:19 (C)	-37.68	-0.42
23:11:20 (C)	-23.69	-9.66
23:11:21 (C)	-7.64	-3.04
23:11:22 (C)	5.77	9.85
23:11:23 (C)	-81.81	-5.31
23:11:24 (C)	-7.22	-1.07
23:11:25 (C)	-19.18	0.18
23:11:26 (C)	-42.42	-7.62
23:11:27 (C)	-59.60	-3.30
23:11:28 (C)	-17.54	7.15
23:11:29 (C)	-48.72	-4.24
23:11:30 (C)	-50.29	-0.85
23:11:31 (C)	-91.84	-3.18
23:11:32 (C)	-33.64	-3.78
23:11:33 (C)	-4.72	-3.00
23:11:34 (C)	12.67	9.86
23:11:35 (C)	-23.91	-5.22
23:11:36 (C)	-4.34	-0.74
23:11:37 (C)	-6.40	3.14
24:12:18 (C)	-7.24	-3.10
24:12:19 (C)	-37.68	-0.42
24:12:20 (C)	-23.69	-9.66
24:12:21 (C)	-7.64	-3.04
24:12:22 (C)	5.77	9.85
24:12:23 (C)	-81.81	-5.31
24:12:24 (C)	-7.22	-1.07
24:12:25 (C)	-19.18	0.18
24:12:26 (C)	-42.42	-7.62
24:12:27 (C)	-59.60	-3.30
24:12:28 (C)	-17.54	7.15
24:12:29 (C)	-48.72	-4.24
24:12:30 (C)	-50.29	-0.85
24:12:31 (C)	-91.84	-3.18
24:12:32 (C)	-33.64	-3.78
24:12:33 (C)	-4.72	-3.00
24:12:34 (C)	12.67	9.86
24:12:35 (C)	-23.91	-5.22
24:12:36 (C)	-4.34	-0.74
24:12:37 (C)	-6.40	3.14
24:12:38 (C)	-7.24	-3.10
24:12:39 (C)	-37.68	-0.42
24:12:40 (C)	-23.69	-9.66
24:12:41 (C)	-7.64	-3.04
24:12:42 (C)	5.77	9.85
24:12:43 (C)	-81.81	-5.31
24:12:44 (C)	-7.22	-1.07
24:12:45 (C)	-19.18	0.18
24:12:46 (C)	-42.42	-7.62
24:12:47 (C)	-59.60	-3.30
24:12:48 (C)	-17.54	7.15
24:12:49 (C)	-48.72	-4.24
24:12:50 (C)	-50.29	-0.85
24:12:51 (C)	-91.84	-3.18
24:12:52 (C)	-33.64	-3.78
24:12:53 (C)	-4.72	-3.00
24:12:54 (C)	12.67	9.86
24:12:55 (C)	-23.91	-5.22
24:12:56 (C)	-4.34	-0.74
24:12:57 (C)	-6.40	3.14
24:12:58 (C)	-7.24	-3.10
24:12:59 (C)	-37.68	-0.42
24:13:00 (C)	-23.69	-9.66
24:13:01 (C)	-7.64	-3.04
24:13:02 (C)	5.77	9.85
24:13:03 (C)	-81.81	-5.31
24:13:04 (C)	-7.22	-1.07
24:13:05 (C)	-19.18	0.18
24:13:06 (C)	-42.42	-7.62
24:13:07 (C)	-59.60	-3.30
24:13:08 (C)	-17.54	7.15
24:13:09 (C)	-48.72	-4.24
24:13:10 (C)	-50.29	-0.85
24:13:11 (C)	-91.84	-3.18
24:13:12 (C)	-33.64	-3.78
24:13:13 (C)	-4.72	-3.00
24:13:14 (C)	12.67	9.86
24:13:15 (C)	-23.91	-5.22
24:13:16 (C)	-4.34	-0.74
24:13:17 (C)	-6.40	3.14
24:13:18 (C)	-7.24	-3.10
24:13:19 (C)	-37.68	-0.42
24:13:20 (C)	-23.69	-9.66
24:13:21 (C)	-7.64	-3.04
24:13:22 (C)	5.77	9.85
24:13:23 (C)	-81.81	-5.31
24:13:24 (C)	-7.22	-1.07
24:13:25 (C)	-19.18	0.18
24:13:26 (C)	-42.42	-7.62
24:13:27 (C)	-59.60	-3.30
24:13:28 (C)	-17.54	7.15
24:13:29 (C)	-48.72	-4.24
24:13:30 (C)	-50.29	-0.85
24:13:31 (C)	-91.84	-3.18
24:13:32 (C)	-33.64	-3.78
24:13:33 (C)	-4.72	-3.00
24:13:34 (C)	12.67	9.86
24:13:35 (C)	-23.91	-5.22
24:13:36 (C)	-4.34	-0.74
24:13:37 (C)	-6.40	3.14
24:13:38 (C)	-7.24	-3.10
24:13:39 (C)	-37.68	-0.42
24:13:40 (C)	-23.69	-9.66
24:13:41 (C)	-7.64	-3.04
24:13:42 (C)	5.77	9.85
24:13:43 (C)	-81.81	-5.31
24:13:44 (C)	-7.22	-1.07
24:13:45 (C)	-19.18	0.18
24:13:46 (C)	-42.42	-7.62
24:13:47 (C)	-59.60	-3.30
24:13:48 (C)	-17.54	7.15
24:13:49 (C)	-48.72	-4.24
24:13:50 (C)	-50.29	-0.85
24:13:51 (C)	-91.84	-3.18
24:13:52 (C)	-33.64	-3.78
24:13:53 (C)	-4.72	-3.00
24:13:54 (C)	12.67	9.86
24:13:55 (C)	-23.91	-5.22
24:13:56 (C)	-4.34	-0.74
24:13:57 (C)	-6.40	3.14
24:13:58 (C)	-7.24	-3.10
24:13:59 (C)	-37.68	-0.42
24:14:00 (C)	-23.69	-9.66
24:14:01 (C)	-7.64	-3.04
24:14:02 (C)	5.77	9.85
24:14:03 (C)	-81.81	-5.31
24:14:04 (C)	-7.22	-1.07
24:14:05 (C)	-19.18	0.18
24:14:06 (C)	-42.42	-7.62
24:14:07 (C)	-59.60	-3.30
24:14:08 (C)	-17.54	7.15
24:14:09 (C)	-48.72	-4.24
24:14:10 (C)	-50.29	-0.85
24:14:11 (C)	-91.84	-3.18
24:14:12 (C)	-33.64	-3.78
24:14:13 (C)	-4.72	-3.00
24:14:14 (C)	12.67	9.86
24:14:15 (C)	-23.91	-5.22
24:14:16 (C)	-4.34	-0.74
24:14:17 (C)	-6.40	3.14
24:14:18 (C)	-7.24	-3.10
24:14:19 (C)	-37.68	-0.42
24:14:20 (C)	-23.69	-9.66
24:14:21 (C)	-7.64	-3.04
24:14:22 (C)	5.77	9.85
24:14:23 (C)	-81.81	-5.31
24:14:24 (C)	-7.22	-1.07
24:14:25 (C)	-19.18	0.18
24:14:26 (C)	-42.42	-7.62
24:14:27 (C)	-59.60	-3.30
24:14:28 (C)	-17.54	7.15
24:14:29 (C)	-48.72	-4.24
24:14:30 (C)	-50.29	-0.85
24:14:31 (C)	-91.84	-3.18
24:14:32 (C)	-33.64	-3.78
24:14:33 (C)	-4.72	-3.00
24:14:34 (C)	12.67	9.86
24:14:35 (C)	-23.91	-5.22
24:14:36 (C)	-4.34	-0.74
24:14:37 (C)	-6.40	3.14
24:14:38 (C)	-7.24	-3.10
24:14:39 (C)	-37.68	-0.42
24:14:40 (C)	-23.69	-9.66
24:14:41 (C)	-7.64	-3.04
24:14:42 (C)	5.77	9.85
24:14:43 (C)	-81.81	-5.31
24:14:44 (C)	-7.22	-1.07
24:14:45 (C)	-19.18	0.18
24:14:46 (C)	-42.42	-7.62
24:14:47 (C)	-59.60	-3.30
24:14:48 (C)	-17.54	7.15
24:14:49 (C)	-48.72	-4.24
24:14:50 (C)	-50.29	-0.85
24:14:51 (C)	-91.84	-3.18
24:14:52 (C)	-33.64	-3.78
24:14:53 (C)	-4.72	-3.00
24:14:54 (C)	12.67	9.86
24:14:55 (C)	-23.91	-5.22
24:14:56 (C)	-4.34	-0.74
24:14:57 (C)	-6.40	3.14
24:14:58 (C)	-7.24	-3.10
24:14:59 (C)	-37.68	-0.42
24:15:00 (C)	-23.69	-9.66
24:15:01 (C)	-7.64	-3.04
24:15:02 (C)	5.77	9.85
24:15:03 (C)	-81.81	-5.31
24:15:04 (C)	-7.22	-1.07
24:15:05 (C)	-19.18	0.18
24:15:06 (C)	-42.42	-7.62
24:15:07 (C)	-59.60	-3.30
24:15:08 (C)	-17.54	7.15
24:15:09 (C)	-48.72	-4.24
24:15:10 (C)	-50.29	-0.85
24:15:11 (C)	-91.84	-3.18
24:15:12 (C)	-33.64	-3.78
24:15:13 (C)	-4.72	-3.00
24:15:14 (C)	12.67	9.86
24:15:15 (C)	-23.91	-5.22
24:15:16 (C)	-4.34	-0.74
24:15:17 (C)	-6.40	3.14
24:15:18 (C)	-7.24	-3.10
24:15:19 (C)	-37.68	-0.42
24:15:20 (C)	-23.69	-9.66
24:15:21 (C)	-7.64	-3.04
24:15:22 (C)	5.77	9.85
24:15:23 (C)	-81.81	-5.31
24:15:24 (C)	-7.22	-1.07
24:15:25 (C)	-19.18	0.18
24:15:26 (C)	-42.42	-7.62
24:15:27 (C)	-59.60	-3.30
24:15:28 (C)	-17.54	7.15
24:15:29 (C)	-48.72	-4.24
24:15:30 (C)	-50.29	-0.85
24:15:31 (C)	-91.84	-3.18
24:15:32 (C)	-33.64	-3.78
24:15:33 (C)	-4.72	-3.00
24:15:34 (C)	12.67	9.86
24:15:35 (C)	-23.91	-5.22
24:15:36 (C)	-4.34	-0.74
24:15:37 (C)	-6.40	3.14
24:15:38 (C)	-7.24	-3.10
24:15:39 (C)	-37.68	-0.42
24:15:40 (C)	-23.69	-9.66
24:15:41 (C)	-7.64	-3.04
24:15:42 (C)	5.77	9.85
24:15:43 (C)	-81.81	-5.31
24:15:44 (C)	-7.22	-1.07
24:15:45 (C)	-19.18	0.18
24:15:46 (C)	-42.42	-7.62
24:15:47 (C)	-59.60	-3.30
24:15:48 (C)	-17.54	7.15
24:15:49 (C)	-48.72	-4.24
24:15:50 (C)	-50.29	-0.85
24:15:51 (C)	-91.84	-3.18
24:15:52 (C)	-33.64	-3.78</

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
24.12.21 (C)	18.54	0.41
24.12.22 (C)	18.24	4.47
24.12.23 (C)	-25.27	-5.42
24.12.24 (C)	-7.26	0.87
24.12.25 (C)	-4.30	-0.36
24.12.26 (C)	-26.71	0.60
24.12.27 (C)	-10.96	6.06
24.12.28 (C)	-11.11	3.95
24.12.29 (C)	-43.62	-3.31
24.12.30 (C)	-30.31	0.17
24.12.31 (C)	-29.78	-0.49
24.12.32 (C)	0.43	1.30
24.12.33 (C)	21.44	0.47
24.12.34 (C)	31.23	4.51
24.12.35 (C)	-52.81	-9.39
24.12.36 (C)	-4.36	0.62
24.12.37 (C)	-2.29	-0.26
24.14.18 (C)	-7.04	-0.10
24.14.19 (C)	-37.98	0.42
24.14.20 (C)	30.67	9.68
24.14.21 (C)	18.54	8.48
24.14.22 (C)	9.71	5.36
24.14.23 (C)	-31.91	-5.31
24.14.24 (C)	-7.26	0.87
24.14.25 (C)	-10.16	0.18
24.14.26 (C)	-26.71	0.68
24.14.27 (C)	-10.96	6.06
24.14.28 (C)	-17.54	7.13
24.14.29 (C)	-48.72	-4.34
24.14.30 (C)	-30.31	0.17
24.14.31 (C)	-31.84	-0.19
24.14.32 (C)	0.43	1.30
24.14.33 (C)	21.44	0.47
24.14.34 (C)	12.67	9.90
24.14.35 (C)	-29.91	-5.27
24.14.36 (C)	-4.36	0.62
24.14.37 (C)	-6.40	0.14
26.26.18 (C)	1.86	-0.00
26.26.19 (C)	7.10	-0.00
26.26.20 (C)	-0.03	25.64
26.26.21 (C)	-0.67	10.24
26.26.22 (C)	-11.01	-0.00
26.26.23 (C)	-2.63	-0.00
26.26.24 (C)	1.86	0.41
26.26.25 (C)	-0.43	-0.00
26.26.26 (C)	7.66	10.10
26.26.27 (C)	3.89	7.88
26.26.28 (C)	-3.86	-0.00
26.26.29 (C)	2.27	-0.00

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
26.26.30 (C)	5.79	0.22
26.26.31 (C)	4.69	-0.00
26.26.32 (C)	9.61	15.40
26.26.33 (C)	-1.41	10.24
26.26.34 (C)	-11.70	-0.00
26.26.35 (C)	-3.68	-0.00
26.26.36 (C)	1.12	0.29
26.26.37 (C)	-0.49	-0.00
26.26.38 (C)	-6.62	0.00
26.26.39 (C)	-31.68	0.00
26.26.40 (C)	0.23	-27.98
26.26.41 (C)	1.66	-11.85
26.26.42 (C)	17.83	0.00
26.26.43 (C)	-13.32	0.00
26.26.44 (C)	-6.82	-0.95
26.26.45 (C)	-4.51	0.00
26.26.46 (C)	-30.51	-11.63
26.26.47 (C)	-19.95	-6.89
26.26.48 (C)	-6.97	0.00
26.26.49 (C)	-30.18	0.00
26.26.50 (C)	-26.31	-0.45
26.26.51 (C)	-24.10	0.00
26.26.52 (C)	-12.36	-15.31
26.26.53 (C)	4.39	-11.85
26.26.54 (C)	20.36	0.00
26.26.55 (C)	-10.69	0.00
26.26.56 (C)	-4.09	-0.67
26.26.57 (C)	-2.47	0.00
26.26.58 (C)	-5.46	0.00
26.26.59 (C)	-26.50	0.00
26.26.60 (C)	0.26	6.07
26.26.61 (C)	9.63	3.56
26.26.62 (C)	9.43	0.00
26.26.63 (C)	-22.96	0.00
26.26.64 (C)	-5.46	0.87
26.26.65 (C)	-29.52	3.43
26.26.66 (C)	-15.77	7.62
26.26.67 (C)	-12.32	0.00
26.26.68 (C)	-33.86	0.00
26.26.69 (C)	-22.74	0.45
26.26.70 (C)	-22.74	0.00
26.26.71 (C)	-12.31	4.56
26.26.72 (C)	6.02	3.56
26.26.73 (C)	0.61	0.00
26.26.74 (C)	-20.77	0.00
26.26.75 (C)	-4.28	0.61
26.26.76 (C)	-9.27	0.00
26.27.18 (C)	-6.46	0.00

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-106-33.rtd  
 Project: RH25X60-10M-P4-20-106-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
27/28/19 (C)	-28.50	0.00
27/28/20 (C)	0.26	3.07
27/28/21 (C)	3.33	3.52
27/28/22 (C)	12.50	-0.00
27/28/23 (C)	19.33	-0.00
27/28/24 (C)	-5.45	0.87
27/28/25 (C)	-5.45	0.00
27/28/26 (C)	-29.52	3.45
27/28/27 (C)	-15.77	2.62
27/28/28 (C)	-9.25	-0.00
27/28/29 (C)	-33.92	-0.00
27/28/30 (C)	-22.74	0.46
27/28/31 (C)	-32.34	0.00
27/28/32 (C)	-12.31	3.36
27/28/33 (C)	6.02	3.55
27/28/34 (C)	14.71	-0.00
27/28/35 (C)	-17.54	-0.00
27/28/36 (C)	-3.26	0.51
27/28/37 (C)	-3.26	0.00
27/28/38 (C)	1.86	0.00
27/28/39 (C)	7.10	0.00
27/28/40 (C)	-0.83	-23.64
27/28/41 (C)	-0.67	-10.24
27/28/42 (C)	8.93	-0.00
27/28/43 (C)	12.40	0.00
27/28/44 (C)	1.86	-0.41
27/28/45 (C)	4.14	0.00
27/28/46 (C)	7.66	-10.65
27/28/47 (C)	9.36	-7.86
27/28/48 (C)	11.93	0.00
27/28/49 (C)	13.63	0.00
27/28/50 (C)	5.79	-0.27
27/28/51 (C)	6.98	0.00
27/28/52 (C)	3.61	-13.40
27/28/53 (C)	-1.41	-10.34
27/28/54 (C)	8.19	-0.00
27/28/55 (C)	11.65	0.00
27/28/56 (C)	1.12	-0.26
27/28/57 (C)	2.72	0.00
27/28/58 (C)	-5.02	-0.00
27/28/59 (C)	-31.48	-0.00
27/28/60 (C)	0.20	27.36
27/28/61 (C)	1.86	11.95
27/28/62 (C)	-2.73	0.00
27/28/63 (C)	-0.92	-0.00
27/28/64 (C)	3.92	0.62
27/28/65 (C)	-31.14	-0.00
27/28/66 (C)	-13.51	11.83
27/28/67 (C)	-18.95	8.89

Date: 3/10/24 Page: 99

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-106-33.rtd  
 Project: RH25X60-10M-P4-20-106-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
27/28/28 (C)	-22.24	-0.00
27/28/29 (C)	-41.68	-0.00
27/28/30 (C)	-33.31	0.46
27/28/31 (C)	-26.65	-0.00
27/28/32 (C)	-12.38	15.51
27/28/33 (C)	4.28	11.85
27/28/34 (C)	0.00	0.00
27/28/35 (C)	-26.14	-0.00
27/28/36 (C)	-4.09	-0.60
27/28/37 (C)	-5.71	-0.00
27/28/38 (C)	0.00	0.00
27/28/39 (C)	0.00	0.00
27/28/40 (C)	0.00	0.00
27/28/41 (C)	0.00	0.00
27/28/42 (C)	0.00	0.00
27/28/43 (C)	0.00	0.00
27/28/44 (C)	0.00	0.00
27/28/45 (C)	0.00	0.00
27/28/46 (C)	0.00	0.00
27/28/47 (C)	0.00	0.00
27/28/48 (C)	0.00	0.00
27/28/49 (C)	0.00	0.00
27/28/50 (C)	0.00	0.00
27/28/51 (C)	0.00	0.00
27/28/52 (C)	0.00	0.00
27/28/53 (C)	0.00	0.00
27/28/54 (C)	0.00	0.00
27/28/55 (C)	0.00	0.00
27/28/56 (C)	0.00	0.00
27/28/57 (C)	0.00	0.00
27/28/58 (C)	0.00	0.00
27/28/59 (C)	0.00	0.00
27/28/60 (C)	0.00	0.00
27/28/61 (C)	0.00	0.00
27/28/62 (C)	0.00	0.00
27/28/63 (C)	0.00	0.00
27/28/64 (C)	0.00	0.00
27/28/65 (C)	0.00	0.00
27/28/66 (C)	0.00	0.00
27/28/67 (C)	0.00	0.00

Date: 3/10/24 Page: 100

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MX (kip-in)	MZ (kip-in)
28/18/27 (C)	0.0	0.0
28/18/18 (C)	0.0	0.0
28/18/19 (C)	0.0	0.0
28/18/20 (C)	0.0	0.0
28/18/21 (C)	0.0	0.0
28/18/22 (C)	0.0	0.0
28/18/23 (C)	0.0	0.0
28/18/24 (C)	0.0	0.0
28/18/25 (C)	0.0	0.0
28/18/26 (C)	0.0	0.0
28/18/27 (C)	0.0	0.0
28/18/28 (C)	0.0	0.0
28/18/29 (C)	0.0	0.0
28/18/30 (C)	0.0	0.0
28/18/31 (C)	0.0	0.0
28/18/32 (C)	0.0	0.0
28/18/33 (C)	0.0	0.0
28/18/34 (C)	0.0	0.0
28/18/35 (C)	0.0	0.0
28/18/36 (C)	0.0	0.0
28/18/37 (C)	0.0	0.0
28/18/38 (C)	0.0	0.0
28/18/39 (C)	0.0	0.0
28/18/40 (C)	0.0	0.0
28/18/41 (C)	0.0	0.0
28/18/42 (C)	0.0	0.0
28/18/43 (C)	0.0	0.0
28/18/44 (C)	0.0	0.0
28/18/45 (C)	0.0	0.0
28/18/46 (C)	0.0	0.0
28/18/47 (C)	0.0	0.0
28/18/48 (C)	0.0	0.0
28/18/49 (C)	0.0	0.0
28/18/50 (C)	0.0	0.0
28/18/51 (C)	0.0	0.0
28/18/52 (C)	0.0	0.0
28/18/53 (C)	0.0	0.0
28/18/54 (C)	0.0	0.0
28/18/55 (C)	0.0	0.0
28/18/56 (C)	0.0	0.0
28/18/57 (C)	0.0	0.0
28/18/58 (C)	0.0	0.0
28/18/59 (C)	0.0	0.0
28/18/60 (C)	0.0	0.0
28/18/61 (C)	0.0	0.0
28/18/62 (C)	0.0	0.0
28/18/63 (C)	0.0	0.0
28/18/64 (C)	0.0	0.0
28/18/65 (C)	0.0	0.0
28/18/66 (C)	0.0	0.0
28/18/67 (C)	0.0	0.0
28/18/68 (C)	0.0	0.0
28/18/69 (C)	0.0	0.0
28/18/70 (C)	0.0	0.0
28/18/71 (C)	0.0	0.0
28/18/72 (C)	0.0	0.0
28/18/73 (C)	0.0	0.0
28/18/74 (C)	0.0	0.0
28/18/75 (C)	0.0	0.0
28/18/76 (C)	0.0	0.0
28/18/77 (C)	0.0	0.0
28/18/78 (C)	0.0	0.0
28/18/79 (C)	0.0	0.0
28/18/80 (C)	0.0	0.0
28/18/81 (C)	0.0	0.0
28/18/82 (C)	0.0	0.0
28/18/83 (C)	0.0	0.0
28/18/84 (C)	0.0	0.0
28/18/85 (C)	0.0	0.0
28/18/86 (C)	0.0	0.0
28/18/87 (C)	0.0	0.0
28/18/88 (C)	0.0	0.0
28/18/89 (C)	0.0	0.0
28/18/90 (C)	0.0	0.0
28/18/91 (C)	0.0	0.0
28/18/92 (C)	0.0	0.0
28/18/93 (C)	0.0	0.0
28/18/94 (C)	0.0	0.0
28/18/95 (C)	0.0	0.0
28/18/96 (C)	0.0	0.0
28/18/97 (C)	0.0	0.0
28/18/98 (C)	0.0	0.0
28/18/99 (C)	0.0	0.0
28/18/100 (C)	0.0	0.0

Date: 3/10/2024 Page: 101

Autodesk Robot Structural Analysis Professional, 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
30/19/26 (C)	0.0	0.0
30/19/27 (C)	0.0	0.0
30/19/28 (C)	0.0	0.0
30/19/29 (C)	0.0	0.0
30/19/30 (C)	0.0	0.0
30/19/31 (C)	0.0	0.0
30/19/32 (C)	0.0	0.0
30/19/33 (C)	0.0	0.0
30/19/34 (C)	0.0	0.0
30/19/35 (C)	0.0	0.0
30/19/36 (C)	0.0	0.0
30/19/37 (C)	0.0	0.0
30/19/38 (C)	0.0	0.0
30/19/39 (C)	0.0	0.0
30/19/40 (C)	0.0	0.0
30/19/41 (C)	0.0	0.0
30/19/42 (C)	0.0	0.0
30/19/43 (C)	0.0	0.0
30/19/44 (C)	0.0	0.0
30/19/45 (C)	0.0	0.0
30/19/46 (C)	0.0	0.0
30/19/47 (C)	0.0	0.0
30/19/48 (C)	0.0	0.0
30/19/49 (C)	0.0	0.0
30/19/50 (C)	0.0	0.0
30/19/51 (C)	0.0	0.0
30/19/52 (C)	0.0	0.0
30/19/53 (C)	0.0	0.0
30/19/54 (C)	0.0	0.0
30/19/55 (C)	0.0	0.0
30/19/56 (C)	0.0	0.0
30/19/57 (C)	0.0	0.0
30/19/58 (C)	0.0	0.0
30/19/59 (C)	0.0	0.0
30/19/60 (C)	0.0	0.0
30/19/61 (C)	0.0	0.0
30/19/62 (C)	0.0	0.0
30/19/63 (C)	0.0	0.0
30/19/64 (C)	0.0	0.0
30/19/65 (C)	0.0	0.0
30/19/66 (C)	0.0	0.0
30/19/67 (C)	0.0	0.0
30/19/68 (C)	0.0	0.0
30/19/69 (C)	0.0	0.0
30/19/70 (C)	0.0	0.0
30/19/71 (C)	0.0	0.0
30/19/72 (C)	0.0	0.0
30/19/73 (C)	0.0	0.0
30/19/74 (C)	0.0	0.0
30/19/75 (C)	0.0	0.0
30/19/76 (C)	0.0	0.0
30/19/77 (C)	0.0	0.0
30/19/78 (C)	0.0	0.0
30/19/79 (C)	0.0	0.0
30/19/80 (C)	0.0	0.0
30/19/81 (C)	0.0	0.0
30/19/82 (C)	0.0	0.0
30/19/83 (C)	0.0	0.0
30/19/84 (C)	0.0	0.0
30/19/85 (C)	0.0	0.0
30/19/86 (C)	0.0	0.0
30/19/87 (C)	0.0	0.0
30/19/88 (C)	0.0	0.0
30/19/89 (C)	0.0	0.0
30/19/90 (C)	0.0	0.0
30/19/91 (C)	0.0	0.0
30/19/92 (C)	0.0	0.0
30/19/93 (C)	0.0	0.0
30/19/94 (C)	0.0	0.0
30/19/95 (C)	0.0	0.0
30/19/96 (C)	0.0	0.0
30/19/97 (C)	0.0	0.0
30/19/98 (C)	0.0	0.0
30/19/99 (C)	0.0	0.0
30/19/100 (C)	0.0	0.0

Date: 3/10/2024 Page: 102

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MC (kip-in)
31/18/36 (C)	0.0	0.0
31/18/36 (C)	0.0	0.0
31/18/37 (C)	0.0	0.0
31/20/18 (C)	0.0	0.0
31/20/19 (C)	0.0	0.0
31/20/20 (C)	0.0	0.0
31/20/21 (C)	0.0	0.0
31/20/22 (C)	0.0	0.0
31/20/23 (C)	0.0	0.0
31/20/24 (C)	0.0	0.0
31/20/25 (C)	0.0	0.0
31/20/26 (C)	0.0	0.0
31/20/27 (C)	0.0	0.0
31/20/28 (C)	0.0	0.0
31/20/29 (C)	0.0	0.0
31/20/30 (C)	0.0	0.0
31/20/31 (C)	0.0	0.0
31/20/32 (C)	0.0	0.0
31/20/33 (C)	0.0	0.0
31/20/34 (C)	0.0	0.0
31/20/35 (C)	0.0	0.0
31/20/36 (C)	0.0	0.0
31/20/37 (C)	0.0	0.0
32/23/18 (C)	0.0	0.0
32/23/19 (C)	0.0	0.0
32/23/20 (C)	0.0	0.0
32/23/21 (C)	0.0	0.0
32/23/22 (C)	0.0	0.0
32/23/23 (C)	0.0	0.0
32/23/24 (C)	0.0	0.0
32/23/25 (C)	0.0	0.0
32/23/26 (C)	0.0	0.0
32/23/27 (C)	0.0	0.0
32/23/28 (C)	0.0	0.0
32/23/29 (C)	0.0	0.0
32/23/30 (C)	0.0	0.0
32/23/31 (C)	0.0	0.0
32/23/32 (C)	0.0	0.0
32/23/33 (C)	0.0	0.0
32/23/34 (C)	0.0	0.0
32/23/35 (C)	0.0	0.0
32/23/36 (C)	0.0	0.0
32/23/37 (C)	0.0	0.0
32/21/18 (C)	0.0	0.0
32/21/19 (C)	0.0	0.0
32/21/20 (C)	0.0	0.0
32/21/21 (C)	0.0	0.0
32/21/22 (C)	0.0	0.0
32/21/23 (C)	0.0	0.0

Date: 3/10/24 Page: 103

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MC (kip-in)
32/21/24 (C)	0.0	0.0
32/21/25 (C)	0.0	0.0
32/21/26 (C)	0.0	0.0
32/21/27 (C)	0.0	0.0
32/21/28 (C)	0.0	0.0
32/21/29 (C)	0.0	0.0
32/21/30 (C)	0.0	0.0
32/21/31 (C)	0.0	0.0
32/21/32 (C)	0.0	0.0
32/21/33 (C)	0.0	0.0
32/21/34 (C)	0.0	0.0
32/21/35 (C)	0.0	0.0
32/21/36 (C)	0.0	0.0
32/21/37 (C)	0.0	0.0
32/22/18 (C)	0.0	0.0
32/22/19 (C)	0.0	0.0
32/22/20 (C)	0.0	0.0
32/22/21 (C)	0.0	0.0
32/22/22 (C)	0.0	0.0
32/22/23 (C)	0.0	0.0
32/22/24 (C)	0.0	0.0
32/22/25 (C)	0.0	0.0
32/22/26 (C)	0.0	0.0
32/22/27 (C)	0.0	0.0
32/22/28 (C)	0.0	0.0
32/22/29 (C)	0.0	0.0
32/22/30 (C)	0.0	0.0
32/22/31 (C)	0.0	0.0
32/22/32 (C)	0.0	0.0
32/22/33 (C)	0.0	0.0
32/22/34 (C)	0.0	0.0
32/22/35 (C)	0.0	0.0
32/22/36 (C)	0.0	0.0
32/22/37 (C)	0.0	0.0
32/24/18 (C)	0.0	0.0
32/24/19 (C)	0.0	0.0
32/24/20 (C)	0.0	0.0
32/24/21 (C)	0.0	0.0
32/24/22 (C)	0.0	0.0
32/24/23 (C)	0.0	0.0
32/24/24 (C)	0.0	0.0
32/24/25 (C)	0.0	0.0
32/24/26 (C)	0.0	0.0
32/24/27 (C)	0.0	0.0
32/24/28 (C)	0.0	0.0
32/24/29 (C)	0.0	0.0
32/24/30 (C)	0.0	0.0
32/24/31 (C)	0.0	0.0
32/24/32 (C)	0.0	0.0

Date: 3/10/24 Page: 104

Autodesk Robot Structural Analysis Professional 2021  
 Author: RH25X60-10M-P4-20-105-33.rtd  
 Address: Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
33/24/32 (C)	0.0	0.0
33/24/34 (C)	0.0	0.0
33/24/35 (C)	0.0	0.0
33/24/36 (C)	0.0	0.0
33/24/37 (C)	0.0	0.0
34/21/18 (C)	0.0	0.0
34/21/19 (C)	0.0	0.0
34/21/20 (C)	0.0	0.0
34/21/21 (C)	0.0	0.0
34/21/22 (C)	0.0	0.0
34/21/23 (C)	0.0	0.0
34/21/24 (C)	0.0	0.0
34/21/25 (C)	0.0	0.0
34/21/26 (C)	0.0	0.0
34/21/27 (C)	0.0	0.0
34/21/28 (C)	0.0	0.0
34/21/29 (C)	0.0	0.0
34/21/30 (C)	0.0	0.0
34/21/31 (C)	0.0	0.0
34/21/32 (C)	0.0	0.0
34/21/33 (C)	0.0	0.0
34/21/34 (C)	0.0	0.0
34/21/35 (C)	0.0	0.0
34/21/36 (C)	0.0	0.0
34/21/37 (C)	0.0	0.0
34/19/18 (C)	0.0	0.0
34/19/19 (C)	0.0	0.0
34/19/20 (C)	0.0	0.0
34/19/21 (C)	0.0	0.0
34/19/22 (C)	0.0	0.0
34/19/23 (C)	0.0	0.0
34/19/24 (C)	0.0	0.0
34/19/25 (C)	0.0	0.0
34/19/26 (C)	0.0	0.0
34/19/27 (C)	0.0	0.0
34/19/28 (C)	0.0	0.0
34/19/29 (C)	0.0	0.0
34/19/30 (C)	0.0	0.0
34/19/31 (C)	0.0	0.0
34/19/32 (C)	0.0	0.0
34/19/33 (C)	0.0	0.0
34/19/34 (C)	0.0	0.0
34/19/35 (C)	0.0	0.0
34/19/36 (C)	0.0	0.0
34/19/37 (C)	0.0	0.0
35/20/18 (C)	0.0	0.0
35/20/19 (C)	0.0	0.0
35/20/20 (C)	0.0	0.0
35/20/21 (C)	0.0	0.0

Date: 3/10/24 Page: 105

Autodesk Robot Structural Analysis Professional 2021  
 Author: RH25X60-10M-P4-20-105-33.rtd  
 Address: Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
35/20/22 (C)	0.0	0.0
35/20/23 (C)	0.0	0.0
35/20/24 (C)	0.0	0.0
35/20/25 (C)	0.0	0.0
35/20/26 (C)	0.0	0.0
35/20/27 (C)	0.0	0.0
35/20/28 (C)	0.0	0.0
35/20/29 (C)	0.0	0.0
35/20/30 (C)	0.0	0.0
35/20/31 (C)	0.0	0.0
35/20/32 (C)	0.0	0.0
35/20/33 (C)	0.0	0.0
35/20/34 (C)	0.0	0.0
35/20/35 (C)	0.0	0.0
35/20/36 (C)	0.0	0.0
35/20/37 (C)	0.0	0.0
35/22/18 (C)	0.0	0.0
35/22/19 (C)	0.0	0.0
35/22/20 (C)	0.0	0.0
35/22/21 (C)	0.0	0.0
35/22/22 (C)	0.0	0.0
35/22/23 (C)	0.0	0.0
35/22/24 (C)	0.0	0.0
35/22/25 (C)	0.0	0.0
35/22/26 (C)	0.0	0.0
35/22/27 (C)	0.0	0.0
35/22/28 (C)	0.0	0.0
35/22/29 (C)	0.0	0.0
35/22/30 (C)	0.0	0.0
35/22/31 (C)	0.0	0.0
35/22/32 (C)	0.0	0.0
35/22/33 (C)	0.0	0.0
35/22/34 (C)	0.0	0.0
35/22/35 (C)	0.0	0.0
35/22/36 (C)	0.0	0.0
35/22/37 (C)	0.0	0.0
36/9/18 (C)	-0.00	1.12
36/9/19 (C)	-0.15	0.65
36/9/20 (C)	0.11	0.91
36/9/21 (C)	0.25	0.61
36/9/22 (C)	-0.11	0.91
36/9/23 (C)	-0.02	0.62
36/9/24 (C)	0.02	0.62
36/9/25 (C)	-0.19	1.06
36/9/27 (C)	0.08	1.30
36/9/28 (C)	0.19	1.06
36/9/29 (C)	-0.05	1.30
36/9/30 (C)	-0.01	0.92

Date: 3/10/24 Page: 106

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
36/9/31 (C)	-0.01	0.95
36/9/32 (C)	-0.26	0.44
36/9/33 (C)	0.11	0.74
36/9/34 (C)	0.26	0.44
36/9/35 (C)	-0.11	0.74
36/9/36 (C)	-0.01	0.36
36/9/37 (C)	0.01	0.26
36/28/18 (C)	-0.001	-0.001
36/28/19 (C)	-0.001	-0.001
36/29/20 (C)	-0.001	-0.001
36/29/21 (C)	-0.001	-0.001
36/29/22 (C)	-0.001	-0.001
36/29/23 (C)	-0.001	-0.001
36/29/24 (C)	-0.001	-0.001
36/29/25 (C)	-0.001	-0.001
36/29/26 (C)	-0.001	-0.001
36/29/27 (C)	-0.001	-0.001
36/29/28 (C)	-0.001	-0.001
36/29/29 (C)	-0.001	-0.001
36/29/30 (C)	-0.001	-0.001
36/29/31 (C)	-0.001	-0.001
36/29/32 (C)	-0.001	-0.001
36/29/33 (C)	-0.001	-0.001
36/29/34 (C)	-0.001	-0.001
36/29/35 (C)	-0.001	-0.001
36/29/36 (C)	-0.001	-0.001
36/29/37 (C)	-0.001	-0.001
37/10/18 (C)	-0.001	0.44
37/10/21 (C)	-0.001	1.12
37/10/22 (C)	-0.26	0.94
37/10/23 (C)	0.11	0.81
37/10/24 (C)	-0.02	0.48
37/10/25 (C)	-0.02	0.44
37/10/26 (C)	0.06	0.52
37/10/27 (C)	-0.19	0.37
37/10/28 (C)	-0.19	1.00
37/10/29 (C)	0.06	1.30
37/10/30 (C)	-0.01	0.34
37/10/31 (C)	-0.01	0.56
37/10/32 (C)	-0.06	-0.31
37/10/33 (C)	-0.26	0.17
37/10/34 (C)	-0.26	0.44
37/10/35 (C)	0.11	0.74
37/10/36 (C)	-0.01	0.26
37/30/18 (C)	-0.01	0.26
37/30/19 (C)	-0.01	-0.001
37/30/20 (C)	-0.01	-0.001

Date: 3/10/2024 Page: 107

Autodesk Robot Structural Analysis Professional 2021  
 File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33  
 Author:  
 Address:

Bar/Node/Case	MY (kip-in)	MZ (kip-in)
37/30/20 (C)	0.02	-0.001
37/30/21 (C)	0.02	-0.001
37/30/22 (C)	0.02	0.00
37/30/23 (C)	-0.02	-0.001
37/30/24 (C)	0.02	-0.001
37/30/25 (C)	0.02	-0.001
37/30/26 (C)	-0.02	-0.001
37/30/27 (C)	0.02	-0.001
37/30/28 (C)	0.02	0.00
37/30/29 (C)	-0.02	-0.001
37/30/30 (C)	0.02	-0.001
37/30/31 (C)	0.02	-0.001
37/30/32 (C)	-0.02	-0.001
37/30/33 (C)	0.02	-0.001
37/30/34 (C)	0.02	0.00
37/30/35 (C)	-0.02	-0.001
37/30/36 (C)	0.02	-0.001
37/30/37 (C)	0.02	-0.001
38/16/18 (C)	0.02	0.00
38/16/19 (C)	0.02	0.34
38/16/20 (C)	0.02	1.12
38/16/21 (C)	0.15	0.85
38/16/22 (C)	-0.11	0.91
38/16/23 (C)	-0.05	-0.12
38/16/24 (C)	0.24	0.34
38/16/25 (C)	0.02	0.44
38/16/26 (C)	0.02	0.43
38/16/27 (C)	0.19	1.08
38/16/28 (C)	-0.06	-1.30
38/16/29 (C)	-0.26	0.62
38/16/30 (C)	0.19	0.97
38/16/31 (C)	0.11	0.95
38/16/32 (C)	0.11	0.94
38/16/33 (C)	0.26	3.44
38/16/34 (C)	-0.11	0.74
38/16/35 (C)	-0.06	-0.31
38/16/36 (C)	0.24	0.17
38/16/37 (C)	0.11	0.26
38/31/18 (C)	0.01	0.26
38/31/19 (C)	-0.06	-0.001
38/31/20 (C)	-0.06	-0.001
38/31/21 (C)	0.02	0.00
38/31/22 (C)	0.02	0.00
38/31/23 (C)	-0.02	-0.001
38/31/24 (C)	0.02	-0.001
38/31/25 (C)	0.02	-0.001
38/31/26 (C)	-0.02	-0.001
38/31/27 (C)	0.02	-0.001
38/31/28 (C)	0.02	0.00

Date: 3/10/2024 Page: 108

Autodesk Robot Structural Analysis Professional, 2021  
 Author: AM/ess  
 Address:

File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33

Bar/Node/Case	My (kip-in)	Mz (kip-in)
381.31.25 (C)	-0.00	-0.00
381.31.30 (C)	-0.00	-0.00
381.31.31 (C)	0.00	-0.00
381.31.32 (C)	-0.00	0.00
381.31.33 (C)	-0.00	0.00
381.31.34 (C)	0.00	0.00
381.31.35 (C)	-0.00	-0.00
381.31.36 (C)	0.00	-0.00
381.31.37 (C)	0.00	-0.00
381.16.18 (C)	-0.00	0.44
381.16.19 (C)	0.00	-1.12
381.16.20 (C)	0.15	-0.67
381.16.21 (C)	0.24	0.34
381.16.22 (C)	-0.28	-0.13
381.16.23 (C)	-0.24	0.34
381.16.24 (C)	-0.22	0.42
381.16.25 (C)	-0.02	0.42
381.16.26 (C)	-0.05	0.27
381.16.27 (C)	0.18	0.67
381.16.28 (C)	0.26	0.42
381.16.29 (C)	-0.13	0.37
381.16.30 (C)	0.01	0.24
381.16.31 (C)	-0.01	0.34
381.16.32 (C)	-0.28	-0.31
381.16.33 (C)	0.24	0.11
381.16.34 (C)	0.28	-0.31
381.16.35 (C)	-0.24	0.17
381.16.36 (C)	0.01	0.25
381.16.37 (C)	-0.01	0.25
381.32.18 (C)	0.00	-0.00
381.32.19 (C)	0.00	-0.00
381.32.20 (C)	-0.00	-0.00
381.32.21 (C)	-0.00	-0.00
381.32.22 (C)	-0.00	-0.00
381.32.23 (C)	0.00	-0.00
381.32.24 (C)	0.00	-0.00
381.32.25 (C)	0.00	-0.00
381.32.26 (C)	0.00	-0.00
381.32.27 (C)	-0.00	-0.00
381.32.28 (C)	-0.00	-0.00
381.32.29 (C)	0.00	-0.00
381.32.30 (C)	0.00	-0.00
381.32.31 (C)	0.00	-0.00
381.32.32 (C)	0.00	-0.00
381.32.33 (C)	-0.00	-0.00
381.32.34 (C)	-0.00	-0.00
381.32.35 (C)	0.00	-0.00
381.32.36 (C)	0.00	-0.00
381.32.37 (C)	0.00	-0.00

Date: 3/10/2021 Page: 109

Autodesk Robot Structural Analysis Professional, 2021  
 Author: AM/ess  
 Address:

File: RH25X60-10M-P4-20-105-33.rtd  
 Project: RH25X60-10M-P4-20-105-33

Date: 3/10/2021 Page: 110



JOB NUMBER: 10456  
 JOB NAME: CANYON HILLS MIDDLE SCHOOL  
 JOB LOCATION: EL PASO, TX 79904

REVISION: A  
 A - INITIAL SUBMITTAL REVISION (JMD 6/16/2024)



**TABLE OF CONTENTS**

- 1.0 COVER SHEET
- 2.0 ELEVATION
- 3.0 ANCHOR BOLT LAYOUT
- 4.0-5.0 FRAME CONNECTIONS
- 6.0 ROOF LAYOUT
- R1.0-R1.3 ROOF DETAILS

**DESIGN LOADS**

CODE: 2021 INTERNATIONAL BUILDING CODE

TOTAL DEAD: 6.61 P.S.F.  
 FRAME DEAD: 3.61 P.S.F.  
 ROOF DEAD: 1.20 P.S.F.  
 COLLATERAL DEAD: 1.80 P.S.F.  
 ROOF LIVE LOAD: 20.00 P.S.F.  
 GROUND SNOW LOAD: 20.00 P.S.F.  
 ROOF SNOW LOAD: 20.00 P.S.F.  
 WIND SPEED: 105.00 M.P.H.  
 EXPOSURE: C  
 SEISMIC USE GROUP: I  
 SEISMIC SITE CLASS: D  
 SEISMIC DESIGN CATEGORY: C  
 SEISMIC ANALYSIS: SIMPLIFIED

**NOTES**

**MATERIALS:** USE FOLLOW STRUCTURAL SECTION)  
 WELDED FLANGE SECTIONS  
 STRUCTURAL STEEL PLATE  
 ROOF PANELS (STEEL)  
 ANCHOR BOLTS  
 CONNECTION BOLTS

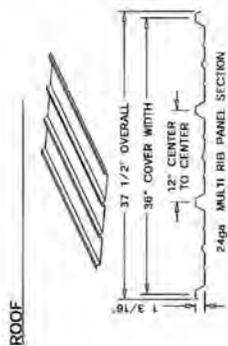
(ASTM DESIGNATION)  
 A-36, A-572 GRADE 50  
 A-992  
 A-36, A-572 GRADE 50  
 A-792  
 F1554 GRADE 55  
 F1552 GRADE A325

ALL WELDING CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED. ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS. THERE IS NO FIELD WELDING REQUIRED. U.N.O.

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY ICON SHELTER SYSTEMS INC. AND IS NOT INTENDED AS THE SEAL OF THE ENGINEER OF RECORD FOR THE ENTIRE PROJECT.

DUE TO STANDARDIZED FABRICATION PARTS SHOWN MAY BE UPGRADED. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

ICON SHELTER SYSTEMS INC. RECOMMENDS THAT THE PRIMARY FRAMING INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM OF FIVE (5) YEARS OF DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.



**HIGH STRENGTH BOLTING**

ALL HIGH STRENGTH BOLTS ARE F1554 GRADE A325 BOLTS WITH HEAVY HEX NUTS. THE BOLTS ARE TO BE INSTALLED UTILIZING THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS" (8/1/2014) AS PREPARED BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) FOR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). THE BOLTS SHALL BE INSTALLED AS SHOWN TIGHTENED WITH A TORQUE WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN OPEN-END SPUD WRENCH TO BRING THE PILES INTO FIRM CONTACT, WHICH IS THE CONDITION WHEN THE PLANES OF CONTACT BETWEEN TWO PILES ARE SOLIDLY SEATED AGAINST EACH OTHER, BUT NOT NECESSARILY IN CONTINUOUS CONTACT WITH UTILIZATION OF THE SHING TIGHTENING METHOD. NO WASHERS ARE REQUIRED.

ALL CONNECTIONS ARE BEARING TYPE CONNECTIONS UNLESS NOTED OTHERWISE. IT IS THE RESPONSIBILITY OF THE INSTALLER TO INSURE PROPER TIGHTNESS.

PROPER ERECTION OF THE FRAMING MEMBERS REQUIRES THE MAIN COLUMNS TO BE PLUMB, SQUARE, COLUMNS RIFTER, AND THE BEAM CONNECTIONS MUST BE PLUMB. THE BEAMS MUST BE PARALLEL TO THE PURLINS. PURLINS MUST BE PARALLEL TO THE BEAMS AND GAVE BEAMS.

FABRICATOR APPROVALS  
 CLARK COUNTY STEEL FABRICATOR NUMBER: 707  
 CITY OF LOS ANGELES FABRICATOR NUMBER: FB03254

Thomas Covington  
 Licensed Professional Engineer  
 State of Texas  
 License No. 152595  
 Date: 6/16/24



**COVER SHEET**

DRAWN BY: JMD  
 DATE: 6/6/2024  
 JOB NO.: 10456  
 REVISION: A  
 BUILDING TYPE: RH25X60-10M-P4  
 PROJECT NAME: CANYON HILLS MIDDLE SCHOOL  
 EL PASO, TX 79904

SHEET  
**1.0**

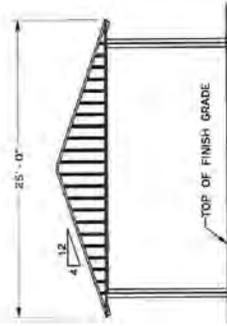
PRINTED ON: 6/16/2024

**ICON**  
 Shelter Systems Inc.  
 1455 LINDALE AVE  
 DALLAS, TX 75247  
 (214) 343-8888  
 WWW.ICONSHEDS.COM

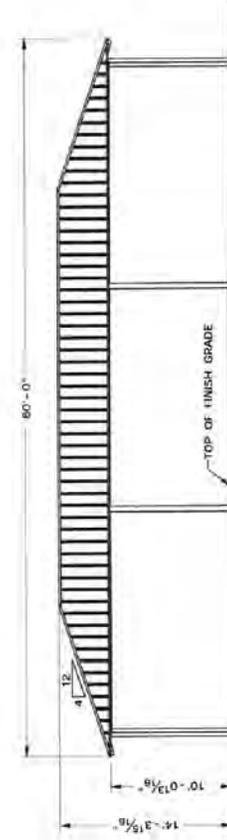
**ELEVATION**

DRAWN BY:	JMD
DATE:	6/6/2024
JOB NO.:	10456
REVISION:	A
BUILDING TYPE:	RH25X60-10M-P4
PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904

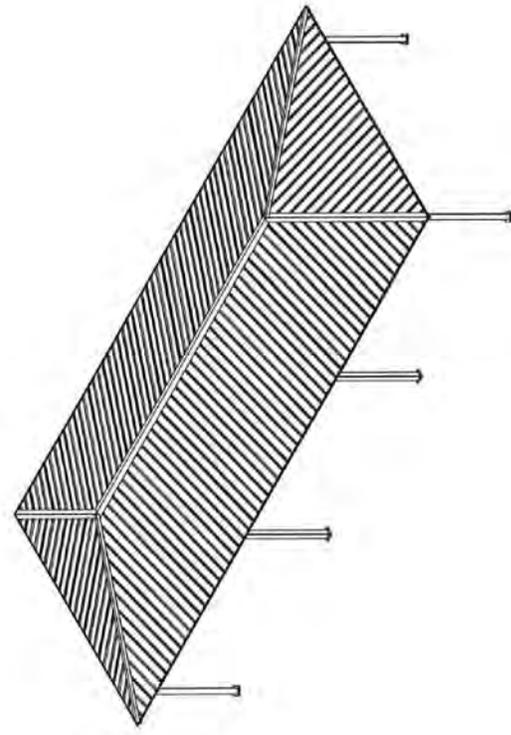
SHEET  
**2.0**



**SIDE VIEW**



**FRONT VIEW**



**ISOMETRIC VIEW**

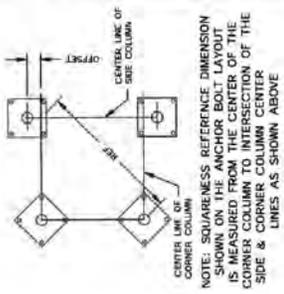
PRINTED ON : 6/6/2024

**ICON**  
 Shelter Systems Inc  
 INDUSTRIAL STEEL ANALYSIS  
 ENGINEERING & CONSTRUCTION  
 SYSTEMS, INC  
 1405 LEBROUK AVE  
 IRVING, TEXAS 75038  
 972.251.0000  
 972.251.0003  
 972.251.0004

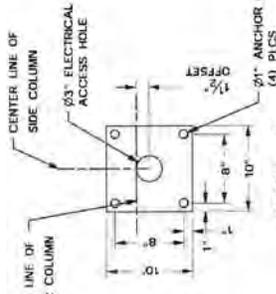
**ANCHOR BOLT LAYOUT**

DRAWN BY:	JMD
DATE:	6/6/2024
JOB NO.:	10456
REVISION:	A
BUILDING TYPE:	RH25X60-10M-P4
PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO TX 78904

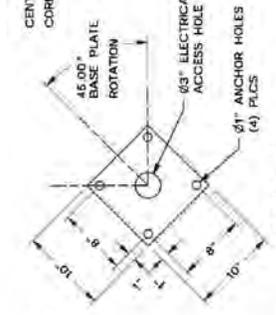
SHEET  
**3.0**



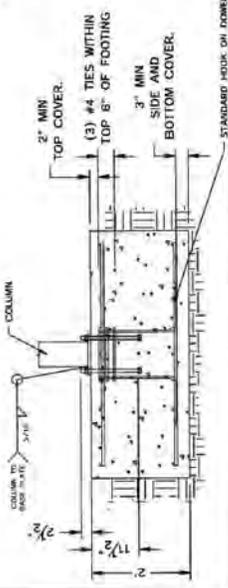
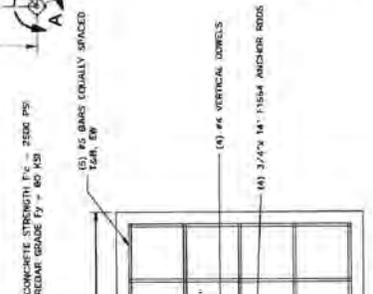
NOTE: SQUARENESS REFERENCE DIMENSION SHOWN ON THE ANCHOR BOLT LAYOUT IS MEASURED FROM THE CENTER OF THE CORNER COLUMN TO INTERSECTION OF THE SIDE & CORNER COLUMN CENTER LINES AS SHOWN ABOVE



**DETAIL A**  
 BASE PLATE MATERIAL  
 5/8" THICK GRSO

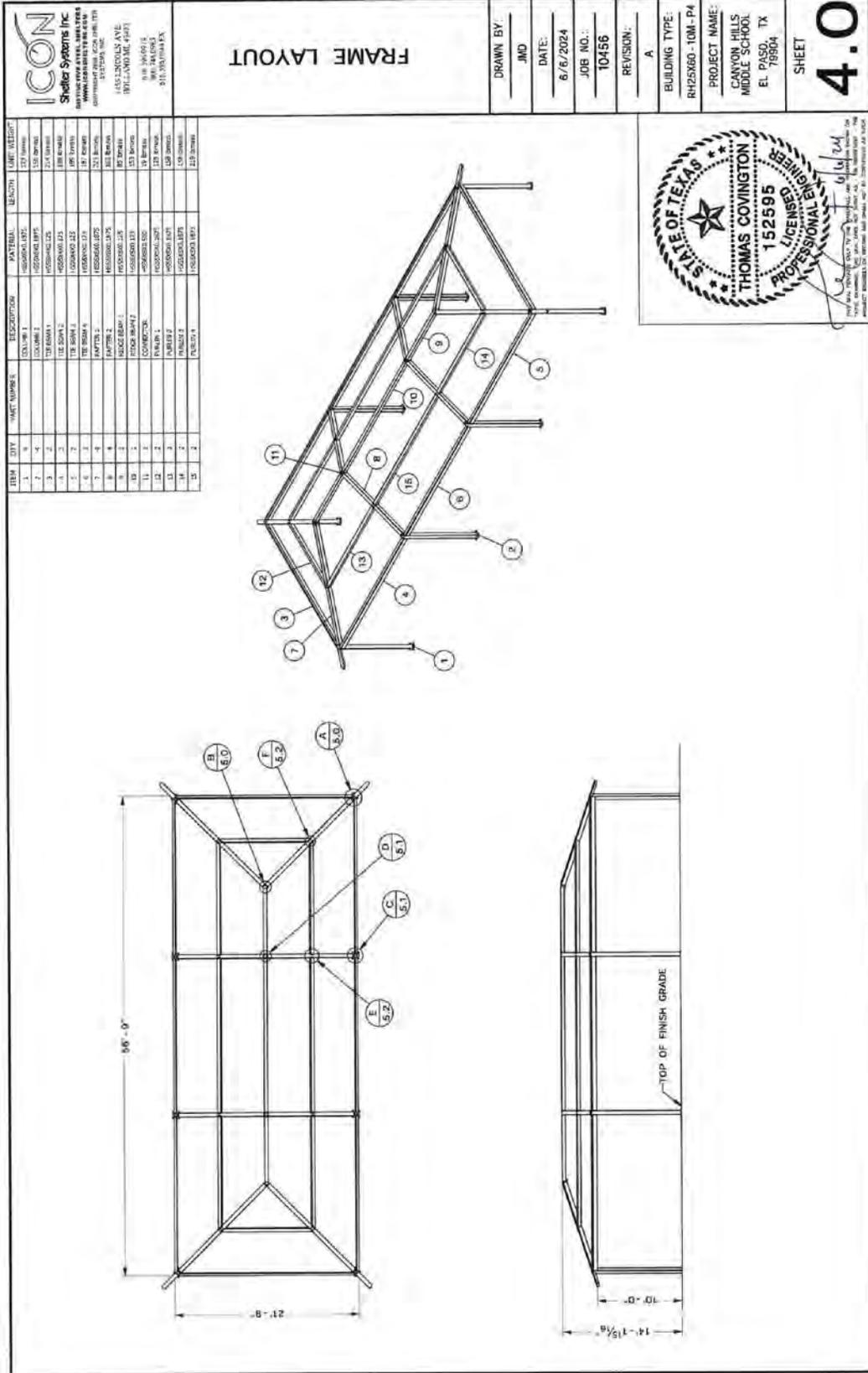


**DETAIL B**  
 BASE PLATE MATERIAL  
 5/8" THICK GRSO



STATE OF TEXAS  
 THOMAS COVINGTON  
 152585  
 LICENSED PROFESSIONAL ENGINEER  
 6/6/24

PRINTED ON : 6/6/2024



S:\Jobs\10400 Jobs\10456 - RH25X60-10M-PA - EL PASO ISD - CANYON HILLS MIDDLE SCHOOL\Engineering\Drawings\Submittals\10456 - SUBMITTAL.dwg

PRINTED ON : 6/6/2024

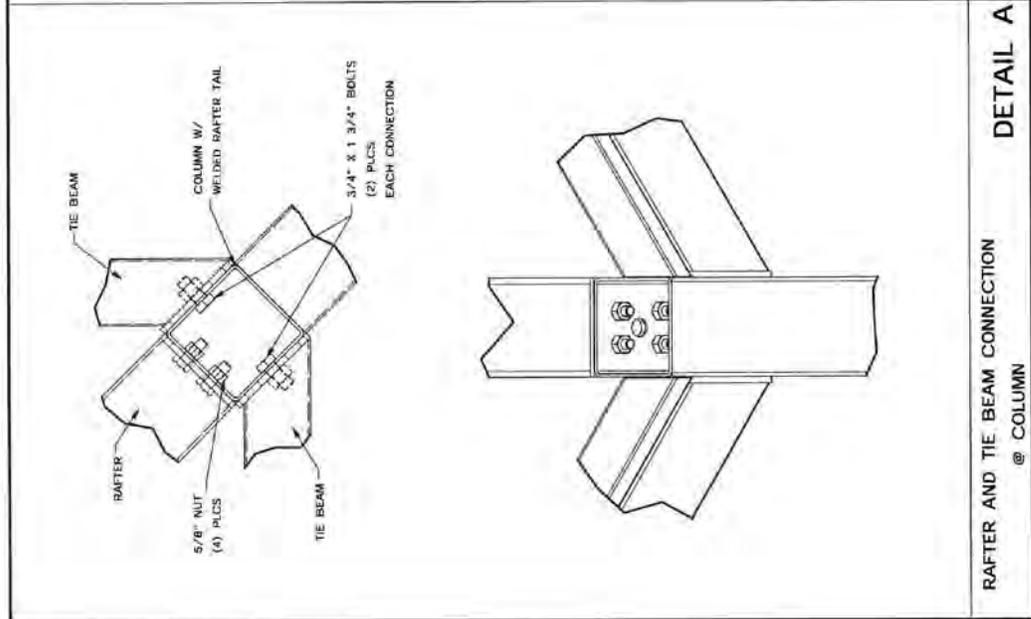
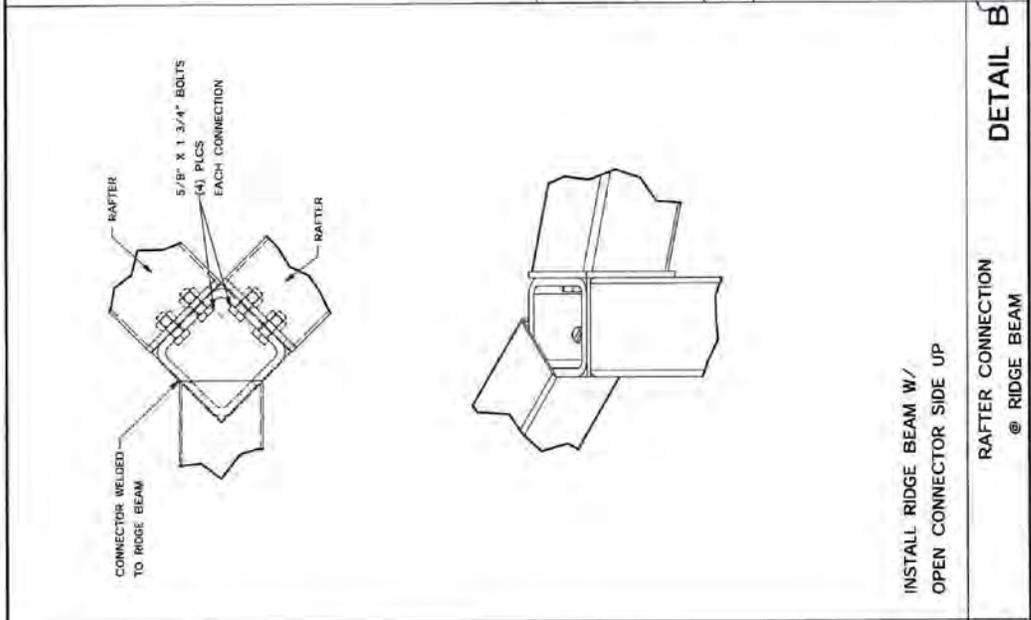
 <p>ICON Shelter Systems, Inc. 1815 BRIDGEMAN AVE MILLINGTON, TN 37558 TEL: 615.650.1111 FAX: 615.650.1114</p>	<b>FRAME CONNECTIONS</b>	
	DRAWN BY: JMD	DATE: 6/5/2024
JOB NO.: 10456	REVISION: A	BUILDING TYPE: RH25X60-10M-P4
PROJECT NAME: CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79964		SHEET <b>5.0</b>

**NOTE TO INSTALLERS:**  
 WITH FACTORY POWDERCOATED SHELTERS, PAINT EXPOSED FASTENERS OF COMPRESSION RINGS ORNAMENTATION, KNIFE PLATES, ETC. WITH PROVIDED TOUCH UP PAINT TO PREVENT RUSTING OF FASTENERS

PAINT EXPOSED FASTENERS



PRINTED ON : 6/5/2024



**ICON**  
Shelter Systems, Inc.  
INDUSTRIAL AREA, HILLTOPS  
WWW.ICONSHELTER.COM  
10000 W. STATE ST. SUITE 100  
DALLAS, TX 75243  
TEL: 972.968.4422  
FAX: 972.968.4423  
1401 LINCOLN AVE.  
HOLLAND, TX 77033  
936.296.6919  
936.296.0885  
936.296.0476

**FRAME CONNECTIONS**

DRAWN BY:	JMD
DATE:	6/6/2024
JOB NO.:	10456
REVISION:	A
BUILDING TYPE:	RH26X60-10M-P4
PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904

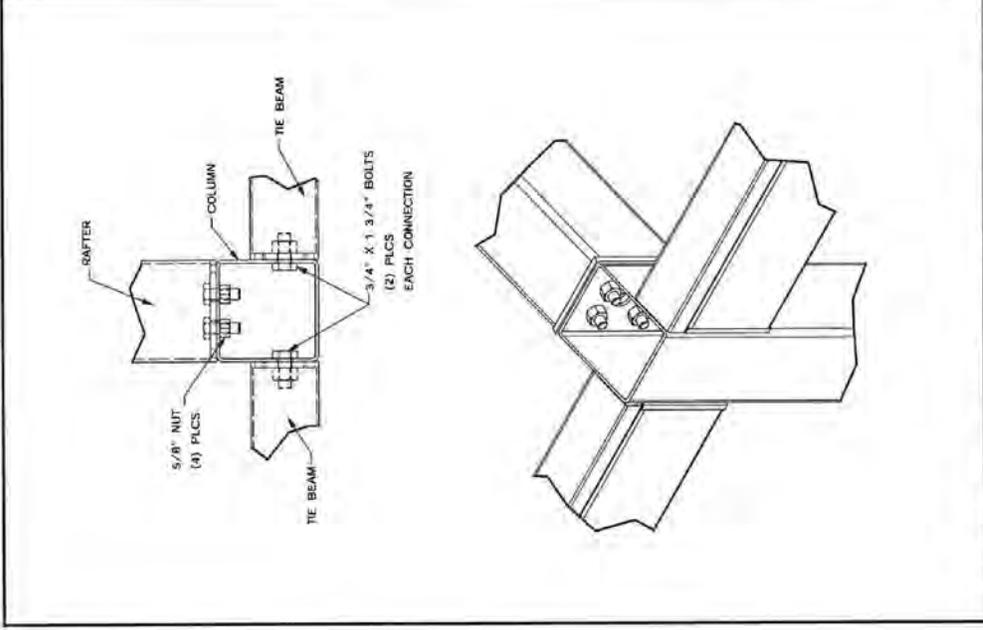
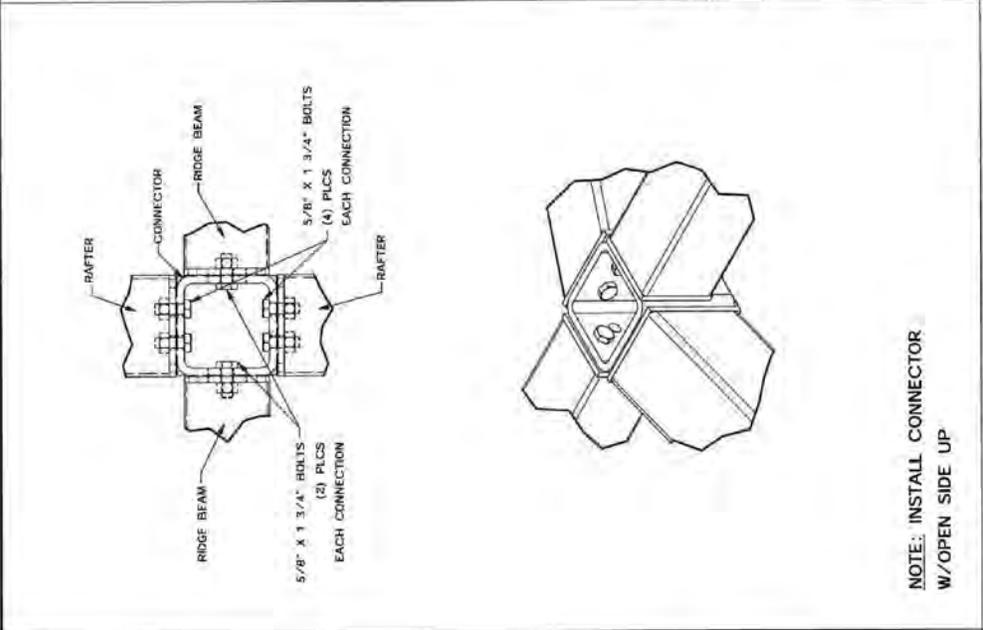
SHEET  
**5.1**

PRINTED ON : 6/6/2024

**NOTE TO INSTALLERS:**  
WITH FACTORY POWDERCOATED  
SHELTERS, PAINT EXPOSED  
FASTENERS OF COMPRESSION RINGS,  
ORNAMENTATION, KNIFE PLATES, ETC.  
WITH PROVIDED TOUCH UP PAINT TO  
PREVENT RUSTING OF FASTENERS

**PAINT EXPOSED FASTENERS**

STATE OF TEXAS  
THOMAS COVINGTON  
152595  
PROFESSIONAL ENGINEER





**Shelter Systems Inc**  
 DISTRICT OF COLUMBIA  
 14531 BRICKMAN AVE  
 WASHINGTON, DC 20044  
 (703) 586-1100  
 14531 BRICKMAN AVE  
 DOLLARDVILLE, FL 32922  
 (888) 586-0315  
 800 748 6443  
 (888) 586-1100

**FRAME CONNECTIONS**

DRAWN BY:	JMD
DATE:	6/6/2024
JOB NO.:	10456
REVISION:	A
BUILDING TYPE:	RH25X60 - 10M - P4
PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904

SHEET  
**5.2**

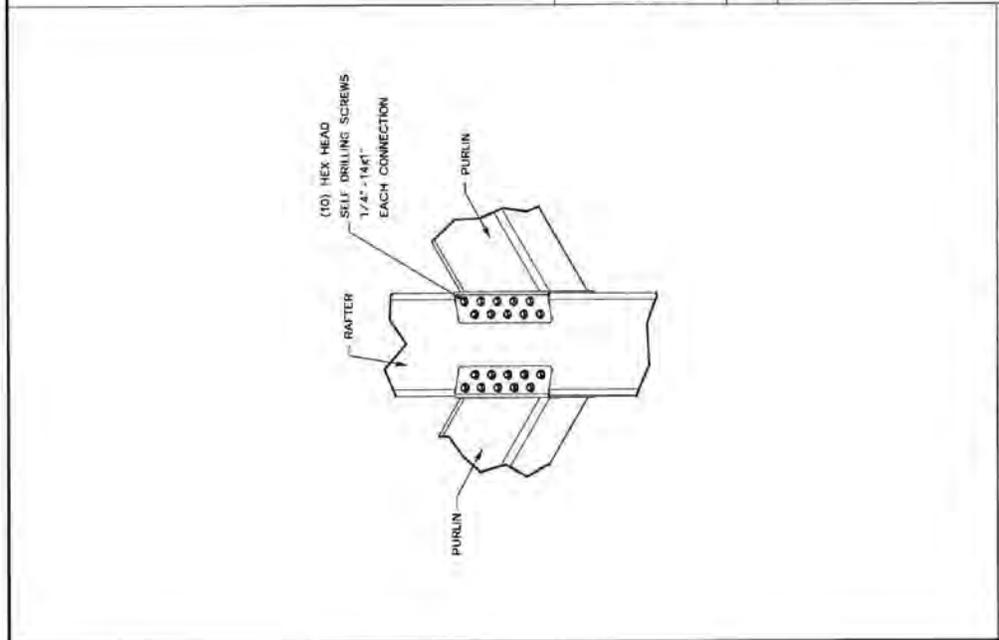
**NOTE TO INSTALLERS:**  
 WITH FACTORY POWDERCOATED  
 SHELTERS, PAINT EXPOSED  
 FASTENERS OF COMPRESSION RINGS,  
 ORNAMENTATION, KNIFE PLATES, ETC.  
 WITH PROVIDED TOUCH UP PAINT TO  
 PREVENT RUSTING OF FASTENERS

**PAINT EXPOSED FASTENERS**

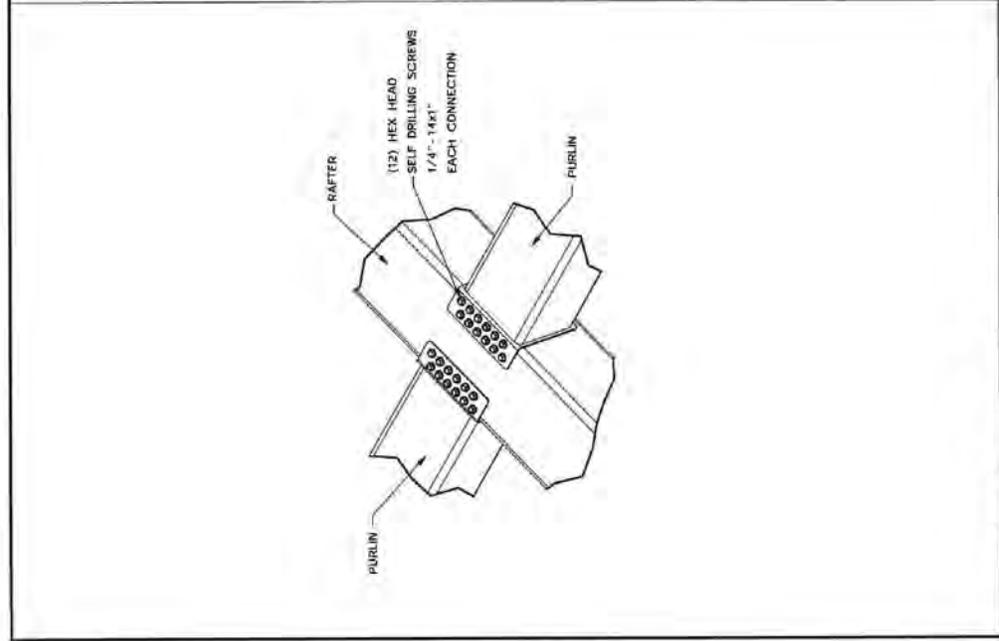


STATE OF TEXAS  
 THOMAS COVINGTON  
 152595  
 LICENSED PROFESSIONAL ENGINEER

PRINTED ON : 6/6/2024



**DETAIL F**  
 PURLIN CONNECTION @ RAFTER



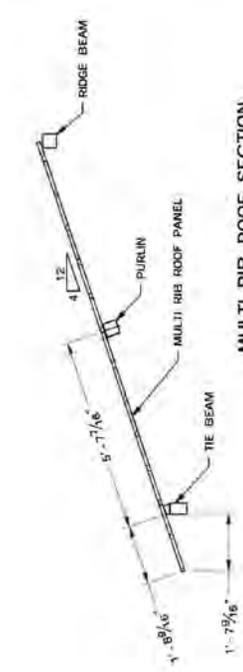
**DETAIL E**  
 PURLIN CONNECTION @ RAFTER



ICON Shelter Systems Inc  
 1457 LEOGOLA AVE  
 STONEY, AK 99780  
 907.530.2465

# ROOF LAYOUT

DRAWN BY:	JMD
DATE:	6/6/2024
JOB NO.:	10456
REVISION:	A
BUILDING TYPE:	RH25X60-10M-P4
PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904
SHEET	6.0



**MULTI RIB ROOF SECTION**

**ATTENTION INSTALLERS:**  
 METAL SHAVINGS LEFT ON ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.  
 DRILLING OR INSTALLING ROOF FASTENERS WILL CAUSE METAL SHAVINGS. THESE SHAVINGS MUST BE CAREFULLY REMOVED AT THE END OF EACH DAY BY EITHER SWEEPING OR BRUSHING THE INSTALLED ROOF.





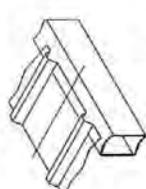
**MULTI RIB ROOF**



**MULTI RIB ROOF LAYOUT - SIDE**

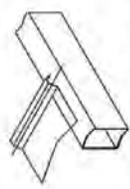
**STEPS FOR PROPER PANEL INSTALLATION:**

1. MARK THE CENTER OF THE TIE BEAM AND COMPRESSION RING (OR PURLIN ON MULTI TIER BUILDINGS).
2. FIND ONE OF THE LONGEST PANELS.
3. CENTER THAT PANEL ALONG THE CENTER LINE OF THE FRAME.
4. INSTALL REMAINING PANELS WORKING OUT TOWARDS THE CORNERS.
5. INSTALL ALL ROOF SECTIONS USING THIS METHOD.



**STEPS FOR PROPER PANEL INSTALLATION:**

1. MARK THE CENTER OF THE TIE BEAM AND COMPRESSION RING (OR PURLIN ON MULTI TIER BUILDINGS).
2. FIND ONE OF THE LONGEST PANELS.
3. ALIGN THAT PANEL WITH THE CENTER OF THE RIB AT THE CENTER LINE OF FRAME.
4. INSTALL REMAINING PANELS WORKING OUT TOWARDS THE CORNERS.
5. INSTALL ALL ROOF SECTIONS USING THIS METHOD.



**THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE METAL ROOFING SYSTEM. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. CHANGES TO THE DETAILS MAY BE REQUIRED DUE TO FIELD CONDITIONS.**

**THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL INSTALLATION INSTRUCTION MATERIAL BEFORE STARTING WORK.**

**THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.**

**ERECTORS SHALL BE RESPONSIBLE TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.**

**FOR THE BEST APPEARANCE ALL TRIM AND FLASHING SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT WITH ALL EXPOSED FASTENERS EQUALLY SPACED.**

**SOME FIELD CUTTING AND/OR FITTING OF PANELS, TRIM AND FLASHING IS TO BE EXPECTED BY THE ERECTOR. MINOR FIELD CORRECTIONS ARE PART OF NORMAL ERECTION WORK.**

**THE INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN AND WORKMANSHIP SHALL MEET THE BEST INDUSTRY STANDARDS.**

**INSTALLED CORRECTLY**



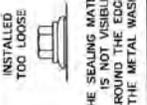
THE SEALING MATERIAL VISIBLE AROUND THE METAL WASHER.

**INSTALLED TOO TIGHT**



THE SEALING MATERIAL IS DEFORMED BEYOND THE EDGE OF THE METAL WASHER.

**INSTALLED TOO LOOSE**

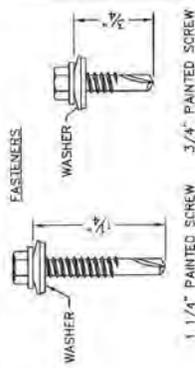


THE SEALING MATERIAL IS NOT VISIBLE AROUND THE EDGE OF THE METAL WASHER.

PRINTED ON : 6/6/2024

S:\Jobs\10400 Jobs\10456 - RH25X60-10M-P4 - EL PASO ISD - CANYON HILLS MIDDLE SCHOOL\Engineering\Drawings\Submittals\10456 - SUBMITTAL.rvt

NOTE: STITCH OR LAP SCREWS ARE NOT REQUIRED ALONG THE RIB



1 1/4" PAINTED SCREW (1) ON EACH SIDE OF RIB ALONG PURLINS (IF PURLIN REQUIRED) SEE DETAIL M-D1

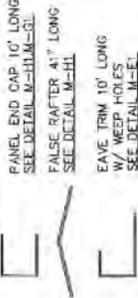
3/4" PAINTED SCREW (1) ON EACH SIDE OF RIB ALONG RIDGE SEE DETAIL M-G1

1 1/4" PAINTED SCREWS (1) ON EACH SIDE OF RIB ALONG PURLINS (IF PURLIN REQUIRED) SEE DETAIL M-D1

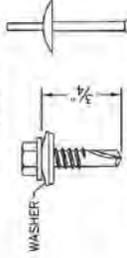
3/4" PAINTED SCREWS (1) ON EACH SIDE OF EACH RIB ALONG TIE BEAM SEE DETAIL M-E1

1 1/4" PAINTED SCREW (1) ON EACH SIDE OF RIB ALONG RAFTER SEE DETAIL M-H1

ORDER OF INSTALLATION



FASTENERS



3/4" PAINTED SCREW

PANEL END CAP NOT SHOWN SEE DETAIL M-G1

EAVE CORNER TRIM ATTACHED W/ (3) PAINTED POP RIVETS SEE DETAIL M-M2

RIDGE CAP ATTACHED W/ 3/4" PAINTED SCREWS (1) AT EACH RIB SEE DETAIL M-G1

HIP CAP ATTACHED W/ 3/4" PAINTED SCREWS (1) AT EACH RIB SEE DETAIL M-H1

PANEL END CAP (NOT SHOWN) SEE DETAIL M-G1

RIDGE CAP ATTACHED W/ 3/4" PAINTED SCREWS (1) AT EACH RIB SEE DETAIL M-G1

EAVE CORNER TRIM ATTACHED W/ (3) PAINTED POP RIVETS SEE DETAIL M-M2

EAVE TRIM ATTACHED W/ 3/4" PAINTED SCREWS (1) AT EACH RIB SEE DETAIL M-E1

FALSE RAFTER TAIL NOT SHOWN SEE DETAIL M-F1

ROOF

METAL ROOF INSTALLATION

TRIM INSTALLATION

TRIM



6/6/24

PROJECT NAME:  
CANYON HILLS  
MIDDLE SCHOOL  
EL PASO, TX  
78904

BUILDING TYPE:  
RH25W60-10M-P4

REVISION:  
A

JOB NO.:  
10456

DATE:  
6/5/2024

DRAWN BY:  
JMD

SHEET  
R1.0

ROOF DETAILS



**ICON**  
 Shelter Systems Inc.  
 INDUSTRIAL STEEL ANALYSTS  
 WWW.ICONSHelters.COM  
 CORPUS CHRISTI, TEXAS 78401  
 145 LINCOLN AVE  
 HOUSTON, TX 77043  
 832.961.6517  
 800.746.0965  
 616.296.0423 FX

DWG#- RH25X60-10M-P4 - EL PASO ISD-CANYON HILLS MIDDLE SCHOOL \Engineering\Drawings\Submittals\RH-00003 - 10456.dwg

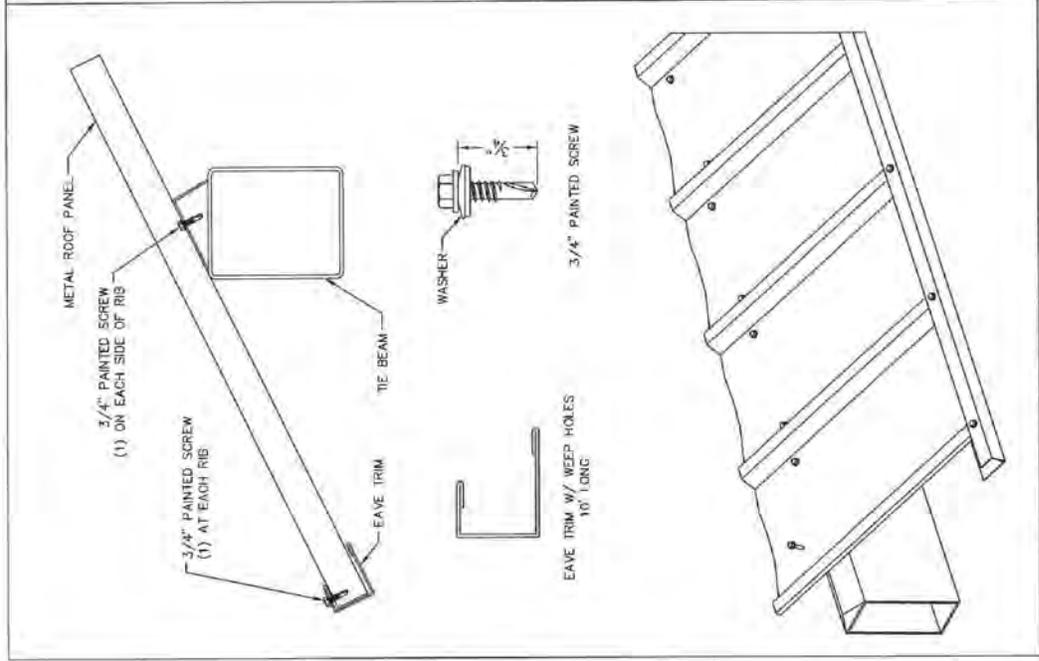
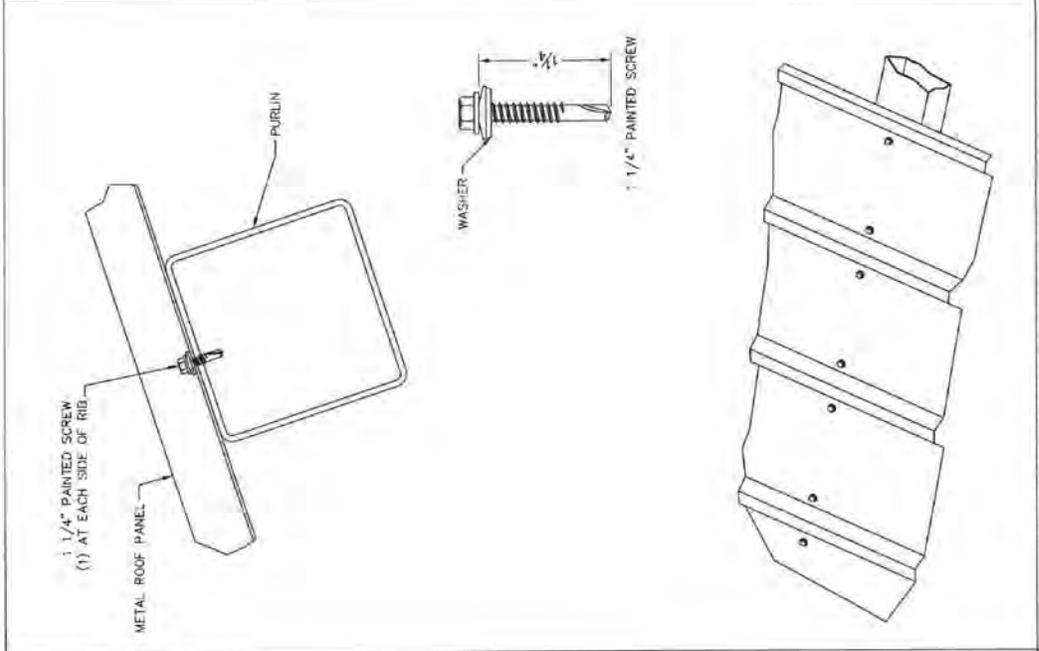
ROOF DETAILS

DRAWN BY: JMD  
 DATE: 6/5/2024  
 JOB NO.: 10456  
 REVISION: A  
 BUILDING TYPE: RH25X60-10M-P4  
 PROJECT NAME: CANYON HILLS MIDDLE SCHOOL  
 EL PASO, TX 79904

SHEET R111



THOMAS COVINGTON  
 LICENSED PROFESSIONAL ENGINEER  
 STATE OF TEXAS  
 LICENSE NO. 152595  
 PRINTED ON: 6/7/2024





14551 INDEPENDENCE AVE  
HOLLAND, TX 75040  
TEL: 281.566.1100  
WWW.ICONSHEDS.COM

## ROOF DETAILS

DRAWN BY: JMD  
DATE: 6/5/2024  
JOB NO.: 10456  
REVISION: A

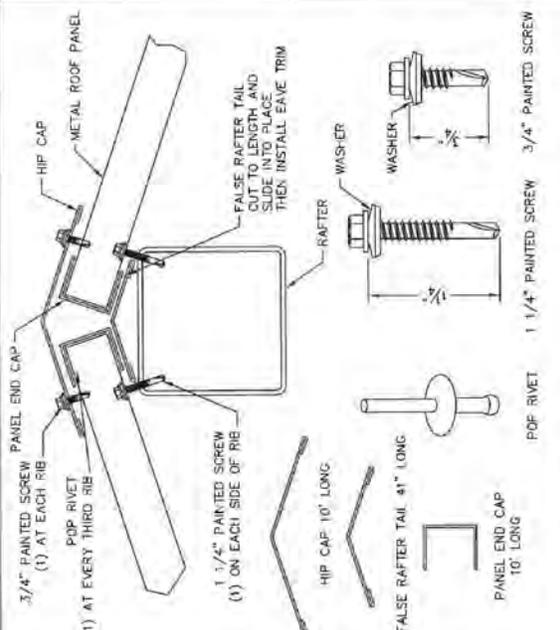
BUILDING TYPE: RH25X60-10M-P4  
PROJECT NAME: CANYON HILLS MIDDLE SCHOOL  
EL PASO, TX 79904  
SHEET: R12



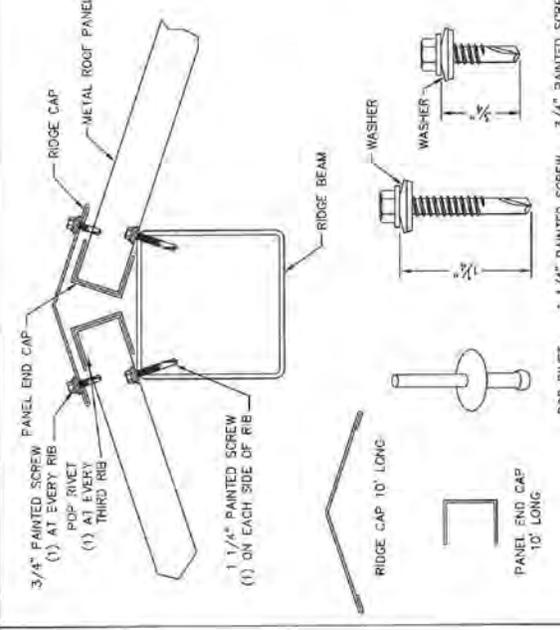
THOMAS COVINGTON  
PROFESSIONAL ENGINEER  
LICENSE NO. 152595  
STATE OF TEXAS

DATE: 6/5/2024  
PROJECT: CANYON HILLS MIDDLE SCHOOL  
SHEET: R12

PRINTED ON: 6/5/2024



**M-H1**  
METAL ROOF HIP CONNECTION DETAIL



**M-G1**  
METAL ROOF CONNECTION AT RIDGE

3/4" PAINTED SCREW (1) AT EACH RIB  
POP RIVET (1) AT EVERY THIRD RIB  
1 1/4" PAINTED SCREW (1) ON EACH SIDE OF RIB  
HIP CAP 10' LONG  
FALSE RAFTER TAIL 4" LONG  
PANEL END CAP 10' LONG

1 1/4" PAINTED SCREW (1) ON EACH SIDE OF RIB  
POP RIVET (1) AT EVERY THIRD RIB  
RIDGE CAP 10' LONG  
WASHER  
WASHER  
1 1/4" PAINTED SCREW  
POP RIVET  
3/4" PAINTED SCREW

POP RIVET (1) AT EVERY THIRD RIB FOR HIP LINES LONGER THAN 10' BUTT ADJOINING PIECES TOGETHER OVER A RIB

3/4" PAINTED SCREW (1) AT EVERY RIB  
RIDGE CAP  
PANEL END CAP 10' LONG

POP RIVET (1) AT EVERY THIRD RIB FOR GABLE LINES LONGER THAN 10' BUTT ADJOINING PIECES TOGETHER OVER A RIB

1 1/4" PAINTED SCREW (1) AT EACH SIDE OF RIB  
RIDGE BEAM  
METAL ROOF PANEL

ICON Shelter Systems Inc.  
DISTINCTIVE STEEL SHELTERS  
CORPORATION  
1457 LINDALE AVE  
- HELLANDALE, MISSISSIPPI  
39208  
TEL: 601/746/0453  
FAX: 601/746/0454

# ROOF DETAILS

DRAWN BY: JMD  
DATE: 6/5/2024  
JOB NO.: 10456  
REVISION: A

BUILDING TYPE: RH25X60-10M-P4  
PROJECT NAME: CANYON HILLS MIDDLE SCHOOL  
EL PASO, TX 79904

6/6/24  
152595  
THOMAS COVINGTON  
PROFESSIONAL ENGINEER  
LICENSED  
STATE OF TEXAS

PRINTED ON: 6/6/2024

**M-M2**

METAL ROOF EAVE CORNER CONNECTION DETAIL

**M-S1**

METAL ROOF EAVE SPLICE CONNECTION DETAIL

**M-M2**

METAL ROOF EAVE CORNER CONNECTION DETAIL

CUT A MITER AND CORNER TAB ON (1) OF THE EAVE CORNER PIECES

CUT AN OPTIONAL MITER ON THE SECOND EAVE CORNER

MEASURE & CUT ANGLE

MEASURE & CUT ANGLE

NOTCH OUT CORNER TAB

SLIDE THE EAVE CORNER TRIM OVER THE EAVE TRIM AND RIDGE CAP

THEN ATTACH THE TRIM WITH POP RIVETS TO THE EAVE TRIM

POP RIVET

EAVE CORNER TRIM 8" LONG (2) PER CORNER

EAVE TRIM 10' LONG

PAINTED POP RIVET

**M-S1**

METAL ROOF EAVE SPLICE CONNECTION DETAIL

EAVE TRIM W/ KEEP HOLES 10' LONG

SPLICE CHANNEL 5 1/2" LONG

PAINTED POP RIVET

POP RIVET (4) PLUS

2 3/4"

2 3/4"

SPLICE CHANNEL

EAVE TRIM

EAVE TRIM

THIS CONNECTION IS ONLY REQUIRED ON SHELTERS WITH EAVES LONGER THAN 10'

SLIDE THE SPLICE TRIM INTO THE EAVE TRIM APPROXIMATELY 2 3/4"

POP RIVET TOP & BOTTOM AND BOTH SIDES OF THE SPLICE

SPLICES ARE NOT GUARANTEED TO FALL IN THE CENTER OF THE EAVE

SPLICE TRIM

EAVE TRIM

POP RIVET TOP & BOTTOM AND BOTH SIDES OF THE SPLICE

EAVE TRIM

# ICON

## Shelter Systems Inc

1455 Lincoln Ave.  
Holland, Michigan 49423  
(800) 748-0985

### Structural Calculations

**Job Number:** 10455

**Building Code:** 2021 International Building Code

**Building Name:** RH18X27-10M-P4-20-105-33

**Roof Pitch:** 4.00/12

**Primary Roof:** M - Multi-rib panel



## TABLE OF CONTENTS

---

1. Structural Description
2. Design Criteria
3. Materials
4. Loads to the Foundation
5. Member and Connection Design
6. Computer Analysis Print Out

## STRUCTURE DESCRIPTION

---

The structure was modeled using Robot Millenium structural analysis software. It was modeled as a Moment Frame system with column bases fixed and all rotational restraint fixed at the beam to column connections. Also purlins were modeled with pinned connections at each end. Other connections were modeled as moment connections.

The roof deck was not utilized in the structural analysis except to provide lateral support to the rafters and purlins for gravity loads. For members subjected to bending and or axial loads due to wind uplift loads, the unbraced lengths of the members were defined as the distance between braced points or the full span if not braced between supports.

Vertical loads were applied to the frame by loading the roof panel with a unit load and loading the tie beams and purlins with the resulting reaction. This procedure results in the member being loaded with a tributary area per unit length. This allows a simple load combination to be produced by applying a load factor equal to the load pressure. These simple load combinations were created for Dead load and Snow Load by specifying a negative pressure in the Z direction. They were created for Uplift components of wind load by specifying a positive pressure in the Z direction. Lastly they were created for Seismic loads by specifying a positive or negative pressure in the X or Y direction.

Horizontal loads were applied to the frame by calculating the tributary area of the structure's horizontal profile and applying these areas to the nodes. This also results in the frame being loaded with a tributary area. Simple load cases are then created in the same manner as the vertical loads. These simple load cases are created for the horizontal components of the wind loads.

Design load combinations are then created by combining these simple load combinations in the manner the prescribed building code dictates.

From the analysis, all member deflections and nodal displacements are within allowable limits.

Member design envelopes are created by collecting every group of internal forces resulting from every design combination at five locations along the member and examining each one to find the one group that contains the largest value for each force element such as axial, shear or moment.

Connection design envelopes are created in the same way but only considering the location of the member at which that connection occurs.

End plates are designed by applying beam end forces to the edges of the plate and calculating the resulting prying moment at the edge of the bolt holes. In determining the prying moment it is assumed that the area of the plate between bolts is fixed.

All field connections are made with A-325 high strength bolts and are specified as snug tight connections.

## DESIGN CRITERIA

### BUILDING CODE

2021 IBC

Roof Slope (X:12)

4 18.43495

### DEAD LOADS

Total Dead Load (psf) =	6.60
Frame Weight (psf) =	3.60
Roofing Load (psf) =	1.20
Collateral Load (psf) =	1.80

### SNOW LOADS/ROOF LIVE LOADS

Lr = Roof Live Load (psf) =	20.00	
Pg = Ground Snow Load (psf) =	5.00	
Ct = Roof Thermal Factor =	1.20	ASCE 7, Table 7-3
Ce = Snow Exposure Coefficient =	1.00	ASCE 7, Table 7-2
Cs = Roof Slope Factor =	1.00	ASCE 7, Figure 7-2
Pf = Flat Roof Snow Load (psf) =	20.00	ASCE 7, Eq 7.3-1
Ps = Roof Snow Load (psf) =	20.00	ASCE 7, Eq 7.4-1

### WIND LOADS

Enclosure = Open/Unclosed	Open	
Basic Wind Speed (mph) =	105.00	
Exposure Classification =	C	
Mean Roof Height (ft) =	15.00	
P = qzGCF		ASCE 7, Section 27.4-3
qz = Basic Wind Pressure (qz = 0.00256KzKztKd(V <sup>2</sup> ) =	20.39	ASCE 7, Section 27.3-1
Kd =	0.85	ASCE 7, Table 26.6-1
Kz =	0.85	ASCE 7, Table 27.3-1
Kzt =	1.00	ASCE 7, Section 26.8.2
G =	0.85	ASCE 7, Section 26.8.2

MWFRS  $C_{f,W}$  and  $C_{f,H}$  Values

ASCE 7, Figure 27.4-6

X Direction

Clear for y equal to 0 and 180

	$C_{f,W}$	$p = q_s G C_{f,H}$ (psf)	$C_{f,H}$	$p = q_s G C_{f,H}$ (psf)
Case A	1.10	19.1	-0.17	-3.0
Case B	0.01	0.1	-0.96	-16.7

Y Direction

Clear

ASCE 7, Figure 27.4-7

	$C_{f,H}$	$p = q_s G C_{f,H}$
Case A	-0.6	-10.4
Case B	0.5	8.7

### SEISMIC LOADS

Structure Type:

Ordinary Moment Frame

Occupancy Importance Factor ( $I_p$ ) =	1	ASCE-7, Table 1.5-2
Seismic Site Class =	D	ASCE-7, Section 11.4.2
$S_s$ = Mapped Spectral Response Acceleration =	0.327	ASCE-7, Figs 22-1, 3, 5 & 6
$S_1$ = Mapped Spectral Response Acceleration @ 1 sec =	0.107	ASCE-7, Figs 22-2, 4, 5 & 6
$F_a$ = Site Coefficient Short Period =	1.54	ASCE-7, Table 11.4-1
$F_v$ = Site Coefficient 1 sec =	2.38	ASCE-7, Table 11.4-2
$T$ =	0.15	
$S_{DS}$ = Design Spectral Response Acceleration =	0.335	ASCE-7, Eq 11.4-3
$S_{D1}$ = Design Spectral Response Acceleration =	0.170	ASCE-7, Eq 11.4-4
Seismic Design Category =	C	ASCE-7, Table 11.6-1
W = Dead Load of Structure = (psf)	6.60	
R = Response Modification Coefficient =	3.5	ASCE-7, Table 12.2-1
$\Omega_0$ = Overstrength Factor =	3	ASCE-7, Table 12.2-1
$C_s$ = Seismic Response Coefficient =	0.10	ASCE-7, Eq 12.8-2
V = $C_s W$ = Max Seismic Base Shear (psf) =	0.63	ASCE-7, Eq 12.8-1

### LOAD COMBINATIONS

ASCE-7-16, Section 2.4 with Overstrength Section 12.4.3 Applied

1. D	6.0 D + 0.6 W
2. D + S	7. D + 0.7 Ev + 0.7 Emh
3. D + 0.75 S	8. D + 0.525 Ev + 0.525 Emh + 0.75 S
4. D + 0.6 W	9. 0.6 D - 0.7 Ev + 0.7 Emh
5. D + 0.45 W + 0.75 S	[ Emh = $\Omega C_s W$ ] [ Ev = 0.2 SDS D ]

## MATERIALS

---

Plate steel: ASTM A36

High Strength Bolts: ASTM A325

Welding Process: GMAW

Welding Electrode: ER70S-X

Member steel: ASTM A500 Grade B

<u>Member Title</u>	<u>Section</u>	<u>Count</u>	<u>Bar List</u>
CL1	HSS5X5X0.1875	4	1to4
RF1	HSS5X5X0.125	4	5to8
RT1	HSS5X3X0.125	4	18to21
TB1	HSS6X3X0.125	2	9 10
TB2	HSS6X3X0.125	2	11 12
PU1	HSS4X4X0.125	2	14 15
PU2	HSS4X4X0.125	2	16 17
RBD1	HSS5X5X0.125	1	13

## LOADS TO THE FOUNDATION

---

The Table(s) below represent the loads to the foundation from an individual column. Individual columns are grouped by similar loadings. All loads are given in a coordinate system local to the column. The Y axis is the strong axis of the column and the Z axis is the weak axis. The Positive Z axis points toward the inside of the building.

DL = Service level dead load reaction with the greatest axial load

SL = Service level snow load reaction with the greatest axial load

W-uplift = Service level wind load reaction with the greatest uplift load

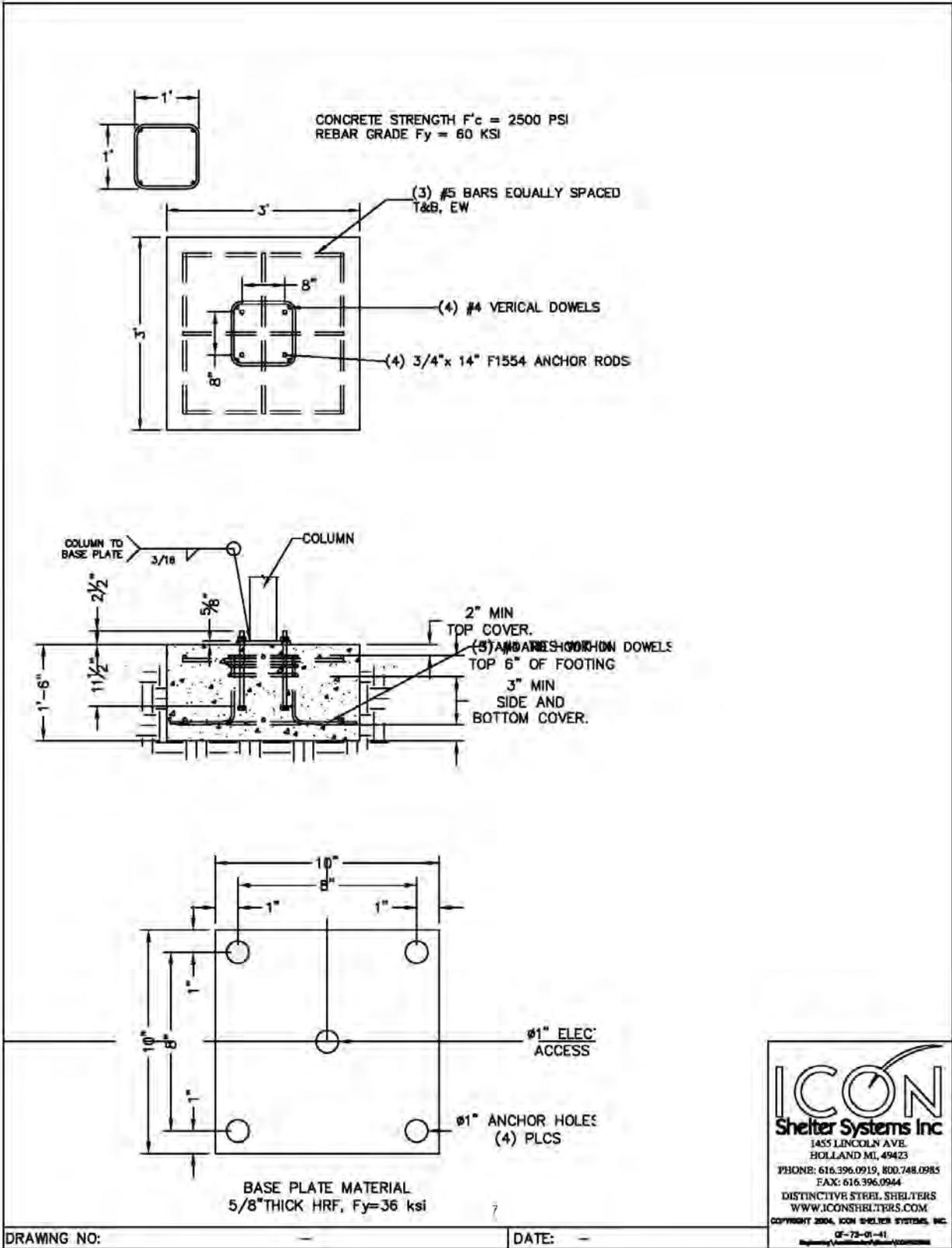
W-Y = Service level wind load reaction with the greatest magnitude of shear in the local Y direction

W-Z = Service level wind load reaction with the greatest shear value acting in the same direction as the DL shear load.

E-Y = Service level seismic load reaction with the greatest magnitude of shear in the local Y direction

E-Z = Service level seismic load reaction with the greatest magnitude of shear in the local Z direction

Column	Label	F <sub>x</sub> (Kip)	F <sub>y</sub> (Kip)	F <sub>z</sub> (Kip)	My(Kip-in)	Mz(Kip-in)
CL1	DL	0.80	-0.04	0.07	-3.28	-1.80
CL1	SL	2.48	-0.17	0.29	-13.14	-7.61
CL1	W-FY	0.53	-0.53	-0.05	9.08	-30.31
CL1	W-UPLIFT	-1.17	-0.07	-0.06	-1.74	1.68
CL1	W-FZ	-0.43	-0.40	-0.17	12.32	-22.38
CL1	E-FZ	-0.06	0.05	-0.06	4.32	4.09
CL1	E-FY	0.03	-0.05	0.06	-4.57	-4.42

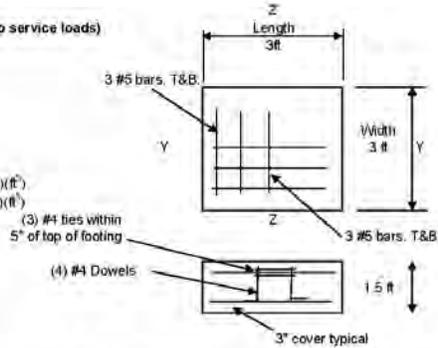


**ICON**  
Shelter Systems Inc  
1455 LINCOLN AVE.  
HOLLAND MI, 49423  
PHONE: 616.396.0919, 800.748.0985  
FAX: 616.396.0944  
DISTINCTIVE STEEL SHELTERS  
WWW.ICONSHelters.COM  
COPYRIGHT 2004, ICON SHELTER SYSTEMS, INC.  
OF-73-01-41  
Engineering / Construction / Shelter Systems

**Foundation Design (Spread Type)**

Calculate the size of the footing (based on soil pressure due to service loads)

- 3.00 Preliminary Width(ft)
- 3.00 Preliminary Length (ft)
- 1.50 Preliminary Thickness(ft)
- 10.00 Base Plate Width (in)
- 10.00 Base Plate Length (in)
- 5.00 Column Width (in)
- 5.00 Column Depth (in)
- 14.89 Effective Depth of Footing (in)
- 4.50 Section Modulus of the Footing (Y axis)(ft<sup>3</sup>)
- 4.50 Section Modulus of the Footing (Z axis)(ft<sup>3</sup>)
- 2500 fc of the concrete (psi)
- 1500 Allowable Soil Pressure (psf)
- 5.00 Rebar Number
- 2.03 Weight of footing (K)
- 1.50 Center of Column (Y Direction) (ft)
- 1.50 Center of Column (Z Direction) (ft)



Assume max allowable soil pressure of 1500 (psf)

	COMBO	Fx (K)	Fy (K)	Fz (K)	My (K - IN)	Mz (K - IN)	Mr (K - IN)	Soil Pressure (psf)	Sliding force(k)
Max Fx	MCJASCE(2.4.1.3)S	3.29	-0.21	0.36	-16.43	-9.41	18.933911	1069.07	0.42
Min Fx	MCJASCE(2.4.1.7)WAY	-0.22	0.02	0.01	-3.01	-2.09	3.6644508	295.00	0.02
Max Fy	MCJASCE(2.4.1.6)WXA	2.91	0.41	0.27	-9.06	21.14	22.999635	1107.59	0.48
Min Fy	MCJASCE(2.4.1.6)WXA	2.91	-0.41	0.27	-9.06	-21.14	22.999635	1107.59	0.48
Max Fz	MCJASCE(2.4.1.9)EX	2.8	-0.11	0.41	-22.21	-3.21	22.440771	1006.85	0.42
Min Fz	MCJASCE(2.4.1.10)EX	0.31	-0.1	-0.12	10.13	-6.8	12.200693	572.96	0.16
Max Mx	MCJASCE(2.4.1.5)WXA	1.12	-0.36	0.04	2.16	-19.99	20.096418	760.07	0.36
Min Mx	MCJASCE(2.4.1.5)WXA	1.12	0.36	0.04	2.16	19.99	20.096418	760.07	0.36
Max My	MCJASCE(2.4.1.10)EY	0.34	0.06	-0.11	10.48	5.72	11.848158	562.96	0.13
Min My	MCJASCE(2.4.1.9)EY	2.77	-0.23	0.41	-22.49	-12.6	25.779063	1182.59	0.47
Max Mz	MCJASCE(2.4.1.6)WXA	2.91	0.41	0.27	-9.06	21.14	22.999635	1107.59	0.48
Min Mz	MCJASCE(2.4.1.6)WXA	2.91	-0.41	0.27	-9.06	-21.14	22.999635	1107.59	0.48
	MCJASCE(2.4.1.1)DL	0.00							

\*Soil Pressure does not exceed the allowable (OK)

\*All Fx forces are Positive (OK)

Maximum Soil Pressure = 1182.59

**Lateral Sliding**

Coefficient	0.30		
Resistance to sliding	0.61		
Allowable Lateral Bearing	100	Allowable Soil Bearing =	1500
Lateral bearing resistance	0.45		
Max Sliding Force	0.48		
Factor of safety	2.15 (OK)		

**Factored combinations**

	COMBO	Fx (k)	Fy (k)	Fz (k)	My (k-in)	Mz (k-in)	Mr (k-in)	Q <sub>max</sub> (psf)
Max Fx	BJASCE(2.3.1.3)WYB	5.48	0.59	-0.38	14.93	24.91	29.04	1346.67
Min Fx	BJASCE(2.3.1.5)WYA	-0.45	0	0.03	3.3	4.7	5.74	283.15
Max Fy	BJASCE(2.3.1.4)WXA	2.74	0.19	0.66	36.27	1.43	36.30	833.15
Min Fy	BJASCE(2.3.1.4)WXA	2.74	0.19	-0.66	36.27	1.43	36.30	833.15
Max Fz	BJASCE(2.3.1.3)WYB	5.19	0.63	0.51	24.12	30.29	38.72	1142.59
Min Fz	BJASCE(2.3.1.7)EY	0.52	-0.16	0.08	8.08	14.85	16.91	559.81
Max Mx	BJASCE(2.3.1.4)WXA	2.74	0.19	-0.66	36.27	1.43	36.30	833.15
Min Mx	BJASCE(2.3.1.4)WXA	2.74	0.19	0.66	36.27	1.43	36.30	833.15
Max My	BJASCE(2.3.1.7)EY	0.52	-0.16	0.08	8.08	14.85	16.91	559.81
Min My	BJASCE(2.3.1.3)WYA	4.74	0.61	-0.24	7.16	31.08	31.89	843.15
Max Mz	BJASCE(2.3.1.4)WXA	2.74	0.19	0.66	36.27	1.43	36.30	833.15
Min Mz	BJASCE(2.3.1.4)WXA	2.74	0.19	-0.66	36.27	1.43	36.30	833.15

**Check Punching shear**

22.19 Length of critical perimeter (in)  
22.19 Width of critical perimeter (in)  
88.75  $b_o$ (in) critical perimeter for punching shear  
1.00  $\beta_c$   
221.60 Shear Capacity (K)  
5.48 Required Ultimate Strength(K)

**Check Flexural Shear**

Shear Parallel to the Width of the footing  
10.5 Width of loaded section (in)  
36 Length of loaded section (width of the footing) (in)  
2.34 Factored shear force at this section (K)  
44.94 Shear capacity of the footing (K)

Shear Parallel to the length of the footing

10.5 width of loaded section (in)  
36 Length of loaded section (length of the footing) (in)  
1.97 Factored shear force at this section (K)  
44.94 Shear capacity of the footing (K)

**Design for Flexure**

Bending about the axis Parallel to the Width of the footing

14.25 Width of loaded section (in)  
36 Length of loaded section (width of the footing) (in)  
21.49 Factored Moment at this section (K-in)  
0.0012 K  
0.0012 w  
0.0271 As  
0.0018  $p_{min}$  (in<sup>2</sup>/in<sup>2</sup>)  
1.17 As(Min)  
0.31 Abar  
6 Number of bars  
1.84 As(Actual)  
1.44 a  
1388.21 Mn (K-in)

Bending about the axis Parallel to the length of the footing

14.25 width of loaded section (in)  
36 Length of loaded section (length of the footing) (in)  
20.09 Factored Moment at this section (K-in)  
0.0011 K  
0.0012 w  
0.0253 As  
0.0018  $p_{min}$  (in<sup>2</sup>/in<sup>2</sup>)  
1.17 As(Min)  
0.31 Abar  
6 Number of bars  
1.84 As(Actual)  
1.44 a  
1388.21 Mn (K-in)

MEMBER DESIGN

**CL1 Column**

Title: CL1  
 Count: 4  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: -13.25  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 11.00  
 Ly(ft) 11.00  
 Lz(ft) 11.00

**Section Properties**

Name HSS5X5X0.187  
 Depth (in) 5.00  
 Width (in) 5.00  
 Nominal Thickness (in) 0.19  
 Design Thickness (in) 0.17  
 Area (in<sup>2</sup>) 3.28  
 MOI Strong (in<sup>4</sup>) 12.60  
 MOI weak (in<sup>4</sup>) 12.60  
 Section Mod. Strong (in<sup>3</sup>) 5.03  
 Section Mod. Weak (in<sup>3</sup>) 5.03  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.3)S	19	1		1 3.29	-0.21	0.36	-16.43	-9.41	0.00
Min Fx	MC ASCE(2.4.1.7)WAY	30	4		5 -0.30	0.02	0.01	-2.23	-4.13	0.00
Max Fy	MC ASCE(2.4.1.6)WXA	24	3		1 2.91	0.41	0.27	-9.06	21.14	0.00
Min Fy	MC ASCE(2.4.1.6)WXA	24	1		5 2.78	-0.41	0.27	26.59	32.63	0.00
Max Fz	MC ASCE(2.4.1.9)EX	34	4		1 2.80	-0.11	0.41	-22.21	-3.21	0.00
Min Fz	MC ASCE(2.4.1.10)EX	36	1		5 0.24	-0.10	-0.12	-5.06	6.18	0.00
Max Mx	MC ASCE(2.4.1.5)WXA	20	1		1 1.12	-0.36	0.04	2.16	-19.98	0.00
Min Mx	MC ASCE(2.4.1.5)WXA	20	3		5 1.00	0.36	0.04	8.03	-27.31	0.00
Max My	MC ASCE(2.4.1.9)EX	34	4		5 2.67	-0.11	0.41	31.91	11.75	0.00
Min My	MC ASCE(2.4.1.9)EY	35	4		1 2.77	-0.23	0.41	-22.49	-12.60	0.00
Max Mz	MC ASCE(2.4.1.6)WXA	24	1		5 2.78	-0.41	0.27	26.59	32.63	0.00
Min Mz	MC ASCE(2.4.1.6)WXA	24	3		5 2.78	0.41	0.27	26.59	-32.63	0.00

Compactness: Compact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ev	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC ASCE(2.4.1.3)S	1.00	17.94	3.27	30.36	1.87	30.36	22.86	22.86	0.23	0.00	True
Min Fx	MC ASCE(2.4.1.7)WAY	0.09	27.60	0.44	30.36	0.82	30.36	22.86	22.86	0.05	0.00	True
Max Fy	MC ASCE(2.4.1.6)WXA	0.89	17.94	1.80	30.36	4.20	30.36	22.86	22.86	0.25	0.00	True
Min Fy	MC ASCE(2.4.1.6)WXA	0.85	17.94	5.29	30.36	6.49	30.36	22.86	22.86	0.44	0.00	True
Max Fz	MC ASCE(2.4.1.9)EX	0.85	17.94	4.42	30.36	0.64	30.36	22.86	22.86	0.21	0.00	True
Min Fz	MC ASCE(2.4.1.10)EX	0.07	17.94	1.01	30.36	1.23	30.36	22.86	22.86	0.08	0.00	True
Max Mx	MC ASCE(2.4.1.5)WXA	0.34	17.94	0.43	30.36	3.97	30.36	22.86	22.86	0.16	0.00	True
Min Mx	MC ASCE(2.4.1.5)WXA	0.30	17.94	1.60	30.36	5.43	30.36	22.86	22.86	0.25	0.00	True
Max My	MC ASCE(2.4.1.9)EX	0.81	17.94	6.34	30.36	2.34	30.36	22.86	22.86	0.33	0.00	True
Min My	MC ASCE(2.4.1.9)EY	0.84	17.94	4.47	30.36	2.51	30.36	22.86	22.86	0.28	0.00	True
Max Mz	MC ASCE(2.4.1.6)WXA	0.85	17.94	5.29	30.36	6.49	30.36	22.86	22.86	0.44	0.00	True
Min Mz	MC ASCE(2.4.1.6)WXA	0.85	17.94	5.29	30.36	6.49	30.36	22.86	22.86	0.44	0.00	True

CONNECTION DESIGN

**CL1 End - Base Plate Connection**

<b>BASE PLATE</b>		<b>Width(in)</b>	10.00	<b>Y edge(in)</b>	1.00	<b>Depth(in)</b>	5.00
		<b>Length(in)</b>	10.00	<b>Z edge(in)</b>	1.00	<b>Width(in)</b>	5.00
		<b>Thick(in)</b>	0.63	<b>Bolt Count</b>	4	<b>Weld Size(in)</b>	0.19
		<b>Hole Dia.(in)</b>	1.00			<b>Weld Type</b>	Fillet
<b>PEDISTAL</b>		<b>Bolt Count</b>	4	<b>Use L bolts</b>	False	<b>Pedistal Length(in)</b>	24.00
		<b>Bolt Dia(in)</b>	0.75	<b>L Bolt Leg Length(in)</b>	0.00	<b>Pedistal Width(in)</b>	24.00
		<b>Fu(ksi)</b>	58,000.00	<b>Embedment(in)</b>	10.00	<b>F'c(ksi)</b>	2,500.00
		<b>Fv(ksi)</b>	36,000.00	<b>Y spacing(in)</b>	8.00		
				<b>Z spacing(in)</b>	8.00		

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mx (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	B ASCE(2.3.1.3)WYB	43	1		1 5.48	-0.38	0.59	-24.91	-14.93	0.00
Min Fx	B ASCE(2.3.1.5)WYA	50	4		1 -0.45	0.03	0.00	-4.70	-3.30	0.00
Max Fy	B ASCE(2.3.1.4)WXA	44	3		1 2.74	0.66	0.19	-1.43	36.27	0.00
Min Fy	B ASCE(2.3.1.4)WXA	44	1		1 2.74	-0.66	0.19	-1.43	-36.27	0.00
Max Fz	B ASCE(2.3.1.3)WYB	43	3		1 5.19	0.51	0.63	-30.29	24.12	0.00
Min Fz	B ASCE(2.3.1.7)EY	55	1		1 0.52	0.08	-0.16	14.85	8.09	0.00
Max Mx	B ASCE(2.3.1.4)WXA	44	1		1 2.74	-0.66	0.19	-1.43	-36.27	0.00
Min Mx	B ASCE(2.3.1.4)WXA	44	3		1 2.74	0.66	0.19	-1.43	36.27	0.00
Max My	B ASCE(2.3.1.7)EY	55	1		1 0.52	0.08	-0.16	14.85	8.09	0.00
Min My	B ASCE(2.3.1.3)WXA	40	4		1 4.74	-0.24	0.61	-31.08	-7.16	0.00
Max Mz	B ASCE(2.3.1.4)WXA	44	3		1 2.74	0.66	0.19	-1.43	36.27	0.00
Min Mz	B ASCE(2.3.1.4)WXA	44	1		1 2.74	-0.66	0.19	-1.43	-36.27	0.00

**BASE CONNECTION RESULTS**

<b>Label</b>	<b>C. Num</b>	<b>B. Shear Limit State</b>		<b>B. Ten Limit State</b>		<b>Weld</b>					<b>Plate Thick</b>		<b>Check</b>			
		<b>Vn Bolt (K)</b>	<b>Vu Bolt (K)</b>	<b>Tn Bolt (K)</b>	<b>Tu Bolt (K)</b>	<b>Intera ction</b>	<b>Vn Weld (K/in)</b>	<b>Vu Weld (K/in)</b>	<b>Tn Weld (K/in)</b>	<b>Tu Throat (in)</b>	<b>Muv req Plate (K-in)</b>	<b>Muz Plate (K-in)</b>		<b>Thick Req (in)</b>	<b>Thick Act (in)</b>	
Max Fx	43	6.04	0.38	9.57	0.94	0.16	4.18	0.04	8.44	0.92	0.04	1.64	0.00	0.12	0.63	True
Min Fx	50	6.04	0.03	9.57	0.58	0.09	4.18	0.00	8.44	0.26	0.01	1.42	1.10	0.11	0.63	True
Max Fy	44	6.04	0.66	9.57	1.50	0.32	4.18	0.03	8.44	0.99	0.04	0.00	6.32	0.24	0.63	True
Min Fy	44	6.04	0.66	9.57	1.50	0.32	4.18	0.03	8.44	0.99	0.04	0.00	6.32	0.24	0.63	True
Max Fz	43	6.04	0.51	9.57	1.86	0.32	4.18	0.04	8.44	1.37	0.06	3.10	1.67	0.17	0.63	True
Min Fz	55	6.04	0.08	9.57	1.20	0.25	4.18	0.01	8.44	0.66	0.03	3.04	1.48	0.16	0.63	True
Max Mx	44	6.04	0.66	9.57	1.50	0.32	4.18	0.03	8.44	0.99	0.04	0.00	6.32	0.24	0.63	True
Min Mx	44	6.04	0.66	9.57	1.50	0.32	4.18	0.03	8.44	0.99	0.04	0.00	6.32	0.24	0.63	True
Max My	55	6.04	0.08	9.57	1.20	0.25	4.18	0.01	8.44	0.66	0.03	3.04	1.48	0.16	0.63	True
Min My	40	6.04	0.24	9.57	1.03	0.16	4.18	0.03	8.44	0.91	0.04	3.62	0.00	0.18	0.63	True
Max Mz	44	6.04	0.66	9.57	1.50	0.32	4.18	0.03	8.44	0.99	0.04	0.00	6.32	0.24	0.63	True
Min Mz	44	6.04	0.66	9.57	1.50	0.32	4.18	0.03	8.44	0.99	0.04	0.00	6.32	0.24	0.63	True

MEMBER DESIGN

**PU1 Purlin**

Title: PU1  
 Count: 2  
 Horizontal Angle Start end: 43.49  
 Horizontal Angle Finish end: -43.49  
 Vertical Angle Start end: -12.92  
 Vertical Angle Finish end: 12.92  
 Ky 1.00  
 Kz 1.00  
 Lx(ft) 7.00  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS4X4X0.125  
 Depth (in) 4.00  
 Width (in) 4.00  
 Nominal Thickness (in) 0.13  
 Design Thickness (in) 0.12  
 Area (in<sup>2</sup>) 1.77  
 MOI Strong (in<sup>4</sup>) 4.40  
 MOI weak (in<sup>4</sup>) 4.40  
 Section Mod. Strong (in<sup>3</sup>) 2.20  
 Section Mod. Weak (in<sup>3</sup>) 2.20  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.3)S	19	14		1 2.61	0.10	0.29	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WAY	30	14		5 -0.32	-0.01	-0.18	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.3)S	19	14		1 2.61	0.10	0.29	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.3)S	19	15		5 2.61	-0.10	-0.29	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.6)WYA	26	14		1 1.61	0.08	0.34	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WYA	26	14		5 1.61	-0.08	-0.34	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	14		1 0.54	0.02	0.06	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.10)EY	37	15		5 0.36	-0.03	-0.03	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.6)WYA	26	14		3 1.61	0.00	0.00	7.17	-1.61	0.00
Min My	MC ASCE(2.4.1.7)WYB	31	15		3 0.96	0.00	0.00	-2.03	-0.23	0.00
Max Mz	MC ASCE(2.4.1.10)EY	37	14		3 0.23	0.00	0.00	0.75	0.11	0.00
Min Mz	MC ASCE(2.4.1.3)S	19	15		3 2.61	0.00	0.00	6.06	-2.02	0.00

Compactness: NonCompact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ev	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC ASCE(2.4.1.3)S	1.47	22.26	0.00	27.60	0.00	27.60	52.83	287.65	0.07	0.00	True
Min Fx	MC ASCE(2.4.1.7)WAY	0.18	27.60	0.00	27.60	0.00	27.60	52.83	287.65	0.01	0.00	True
Max Fy	MC ASCE(2.4.1.3)S	1.47	22.26	0.00	27.60	0.00	27.60	52.83	287.65	0.07	0.00	True
Min Fy	MC ASCE(2.4.1.3)S	1.47	22.26	0.00	27.60	0.00	27.60	52.83	287.65	0.07	0.00	True
Max Fz	MC ASCE(2.4.1.6)WYA	0.91	22.26	0.00	27.60	0.00	27.60	52.83	287.65	0.04	0.00	True
Min Fz	MC ASCE(2.4.1.6)WYA	0.91	22.26	0.00	27.60	0.00	27.60	52.83	287.65	0.04	0.00	True
Max Mx	MC ASCE(2.4.1.1)D	0.31	22.26	0.00	27.60	0.00	27.60	52.83	287.65	0.01	0.00	True
Min Mx	MC ASCE(2.4.1.10)EY	0.20	22.26	0.00	27.60	0.00	27.60	52.83	287.65	0.01	0.00	True
Max My	MC ASCE(2.4.1.6)WYA	0.91	22.26	3.26	27.60	0.73	27.60	52.83	287.65	0.19	0.00	True
Min My	MC ASCE(2.4.1.7)WYB	0.54	22.26	0.92	27.60	0.10	27.60	52.83	287.65	0.06	0.00	True
Max Mz	MC ASCE(2.4.1.10)EY	0.13	22.26	0.34	27.60	0.05	27.60	52.83	287.65	0.02	0.00	True
Min Mz	MC ASCE(2.4.1.3)S	1.47	22.26	2.75	27.60	0.92	27.60	52.83	287.65	0.20	0.00	True

CONNECTION DESIGN

**PUI Lend - Purlin Connection**

PURLIN CONNECTION	<b>Weld Depth(in)</b>	4.10	<b>Plate Depth(in)</b>	6.13	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	5.51	<b>Plate Width(in)</b>	5.94	<b>Screws1</b>	4
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	4
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	78.02	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fy(ksi)</b>	50,000.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>My (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.3)S	19	14		1 2.61	0.10	0.29	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WAY	30	14		1 -0.32	0.01	0.18	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.3)S	19	14		1 2.61	0.10	0.29	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.10)EY	37	14		1 0.23	-0.01	0.04	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.6)WYA	26	14		1 1.61	0.08	0.34	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.7)WYB	31	15		1 0.96	0.01	-0.10	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	14		1 0.54	0.02	0.06	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.10)EY	37	15		1 0.37	0.03	0.03	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	14		1 0.54	0.02	0.06	0.00	0.00	0.00
Min My	MC ASCE(2.4.1.10)EY	37	15		1 0.37	0.03	0.03	0.00	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	14		1 0.54	0.02	0.06	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.10)EY	37	15		1 0.37	0.03	0.03	0.00	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Vh (K)</b>	<b>Vy (K)</b>	<b>Block</b>	<b>Block</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Che</b>
					<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	<b>Shear Nom (K/in)</b>	<b>Shear Ult (K/in)</b>	<b>Ten Nom (K/in)</b>	<b>Ten Ult (K/in)</b>	<b>Pullout Nom (K)</b>	<b>Pullout Ult (K)</b>	<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	1.82	1.87	0.30	16.80	0.00	50.49	1.89	0.00	0.00	3.24	0.30	5.34	1.87	True
Min Fx	MC ASCE(2.4.1	-0.20	0.18	0.25	16.80	0.45	50.49	0.37	0.00	0.00	3.24	0.00	5.34	0.49	True
Max Fy	MC ASCE(2.4.1	1.82	1.87	0.30	16.80	0.00	50.49	1.89	0.00	0.00	3.24	0.30	5.34	1.87	True
Min Fy	MC ASCE(2.4.1	0.18	0.15	-0.01	16.80	0.00	50.49	0.15	0.00	0.00	3.24	0.01	5.34	0.15	True
Max Fz	MC ASCE(2.4.1	1.14	1.19	-0.03	16.80	0.00	50.49	1.19	0.00	0.00	3.24	0.03	5.34	1.19	True
Min Fz	MC ASCE(2.4.1	0.66	0.64	-0.31	16.80	0.00	50.49	0.71	0.00	0.00	3.24	0.31	5.34	0.64	True
Max Mx	MC ASCE(2.4.1	0.38	0.39	0.06	16.80	0.00	50.49	0.39	0.00	0.00	3.24	0.06	5.34	0.39	True
Min Mx	MC ASCE(2.4.1	0.25	0.27	0.05	16.80	0.00	50.49	0.28	0.00	0.00	3.24	0.05	5.34	0.27	True
Max My	MC ASCE(2.4.1	0.38	0.39	0.06	16.80	0.00	50.49	0.39	0.00	0.00	3.24	0.06	5.34	0.39	True
Min My	MC ASCE(2.4.1	0.25	0.27	0.05	16.80	0.00	50.49	0.28	0.00	0.00	3.24	0.05	5.34	0.27	True
Max Mz	MC ASCE(2.4.1	0.38	0.39	0.06	16.80	0.00	50.49	0.39	0.00	0.00	3.24	0.06	5.34	0.39	True
Min Mz	MC ASCE(2.4.1	0.25	0.27	0.05	16.80	0.00	50.49	0.28	0.00	0.00	3.24	0.05	5.34	0.27	True

CONNECTION DESIGN

**PUI J end - Purlin Connection**

<b>PURLIN CONNECTION</b>	<b>Weld Depth(in)</b>	4.10	<b>Plate Depth(in)</b>	6.13	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	5.51	<b>Plate Width(in)</b>	5.94	<b>Screws1</b>	4
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	4
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	78.02	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fy(ksi)</b>	50.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>My (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.3)S	19	14		5.26	-0.10	-0.29	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WAY	30	14		-0.32	-0.01	-0.18	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.10)EY	37	14		0.24	0.01	-0.04	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.3)S	19	15		2.61	-0.10	-0.29	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.7)WYB	31	15		0.96	-0.01	0.10	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WYA	26	14		1.61	-0.08	-0.34	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	14		0.54	-0.02	-0.06	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.10)EY	37	15		0.36	-0.03	-0.03	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	14		0.54	-0.02	-0.06	0.00	0.00	0.00
Min My	MC ASCE(2.4.1.10)EY	37	15		0.36	-0.03	-0.03	0.00	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	14		0.54	-0.02	-0.06	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.10)EY	37	15		0.36	-0.03	-0.03	0.00	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Vh (K)</b>	<b>Vv (K)</b>	<b>Block</b>	<b>Block</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Che</b>
					<b>Shear</b>	<b>Shear</b>	<b>Shear</b>	<b>Shear</b>	<b>Ten</b>	<b>Ten</b>	<b>Pullout</b>	<b>Pullout</b>	<b>Shear</b>	<b>Shear</b>	
					<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	1.82	1.87	0.30	16.80	0.00	50.49	1.89	0.00	0.00	3.24	0.30	5.34	1.87	True
Min Fx	MC ASCE(2.4.1	-0.20	0.18	0.25	16.80	0.45	50.49	0.37	0.00	0.00	3.24	0.00	5.34	0.49	True
Max Fy	MC ASCE(2.4.1	0.18	0.16	-0.01	16.80	0.00	50.49	0.16	0.00	0.00	3.24	0.01	5.34	0.16	True
Min Fy	MC ASCE(2.4.1	1.82	1.87	-0.30	16.80	0.00	50.49	1.89	0.00	0.00	3.24	0.30	5.34	1.87	True
Max Fz	MC ASCE(2.4.1	0.66	0.64	-0.31	16.80	0.00	50.49	0.71	0.00	0.00	3.24	0.31	5.34	0.64	True
Min Fz	MC ASCE(2.4.1	1.14	1.19	-0.03	16.80	0.00	50.49	1.19	0.00	0.00	3.24	0.03	5.34	1.19	True
Max Mx	MC ASCE(2.4.1	0.38	0.39	-0.06	16.80	0.00	50.49	0.39	0.00	0.00	3.24	0.06	5.34	0.39	True
Min Mx	MC ASCE(2.4.1	0.24	0.27	-0.05	16.80	0.00	50.49	0.27	0.00	0.00	3.24	0.05	5.34	0.27	True
Max My	MC ASCE(2.4.1	0.38	0.39	-0.06	16.80	0.00	50.49	0.39	0.00	0.00	3.24	0.06	5.34	0.39	True
Min My	MC ASCE(2.4.1	0.24	0.27	-0.05	16.80	0.00	50.49	0.27	0.00	0.00	3.24	0.05	5.34	0.27	True
Max Mz	MC ASCE(2.4.1	0.38	0.39	-0.06	16.80	0.00	50.49	0.39	0.00	0.00	3.24	0.06	5.34	0.39	True
Min Mz	MC ASCE(2.4.1	0.24	0.27	-0.05	16.80	0.00	50.49	0.27	0.00	0.00	3.24	0.05	5.34	0.27	True

MEMBER DESIGN

**PU2 Purlin**

Title: PU2  
 Count: 2  
 Horizontal Angle Start end: 43.49  
 Horizontal Angle Finish end: -43.49  
 Vertical Angle Start end: -12.92  
 Vertical Angle Finish end: 12.92  
 Ky 1.00  
 Kz 1.00  
 Lx(ft) 16.00  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS4X4X0.125  
 Depth (in) 4.00  
 Width (in) 4.00  
 Nominal Thickness (in) 0.13  
 Design Thickness (in) 0.12  
 Area (in<sup>2</sup>) 1.77  
 MOI Strong (in<sup>4</sup>) 4.40  
 MOI weak (in<sup>4</sup>) 4.40  
 Section Mod. Strong (in<sup>3</sup>) 2.20  
 Section Mod. Weak (in<sup>3</sup>) 2.20  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.3)S	19	16		1 2.62	0 22	0 66	0 00	0 00	0 00
Min Fx	MC ASCE(2.4.1.7)WAY	30	17		5 0 01	-0 03	0 17	0 00	0 00	0 00
Max Fy	MC ASCE(2.4.1.3)S	19	16		1 2.62	0 22	0 66	0 00	0 00	0 00
Min Fy	MC ASCE(2.4.1.3)S	19	17		5 2.62	-0 22	-0 66	0 00	0 00	0 00
Max Fz	MC ASCE(2.4.1.6)WXA	24	16		1 2.03	0 18	0 78	0 00	0 00	0 00
Min Fz	MC ASCE(2.4.1.6)WXA	24	16		5 2.03	-0 18	-0 78	0 00	0 00	0 00
Max Mx	MC ASCE(2.4.1.1)D	18	16		1 0 54	0 04	0 13	0 00	0 00	0 00
Min Mx	MC ASCE(2.4.1.10)EY	37	17		5 0 37	-0 03	-0 07	0 00	0 00	0 00
Max My	MC ASCE(2.4.1.6)WXA	24	16		3 2.03	0 00	0 00	37.46	-8.42	0 00
Min My	MC ASCE(2.4.1.7)WXB	29	17		3 0 40	0 00	0 00	-10.61	-1.21	0 00
Max Mz	MC ASCE(2.4.1.10)EX	36	16		3 0 19	0 00	0 00	3.90	0 56	0 00
Min Mz	MC ASCE(2.4.1.3)S	19	17		3 2.62	0 00	0 00	31.67	-10.56	0 00

Compactness: NonCompact

**Member Design Results**

Label	C. Name	fa	Fa	fbv	Fbv	fbz	Fbz	F'ev	F'ez	Stress Ratio	Allow. Increa	ASD OK
Max Fx	MC ASCE(2.4.1.3)S	1.48	10.11	0.00	27.60	0.00	27.60	10.11	287.65	0.15	0.00	True
Min Fx	MC ASCE(2.4.1.7)WAY	0.01	10.11	0.00	27.60	0.00	27.60	10.11	287.65	0.00	0.00	True
Max Fy	MC ASCE(2.4.1.3)S	1.48	10.11	0.00	27.60	0.00	27.60	10.11	287.65	0.15	0.00	True
Min Fy	MC ASCE(2.4.1.3)S	1.48	10.11	0.00	27.60	0.00	27.60	10.11	287.65	0.15	0.00	True
Max Fz	MC ASCE(2.4.1.6)WXA	1.15	10.11	0.00	27.60	0.00	27.60	10.11	287.65	0.11	0.00	True
Min Fz	MC ASCE(2.4.1.6)WXA	1.15	10.11	0.00	27.60	0.00	27.60	10.11	287.65	0.11	0.00	True
Max Mx	MC ASCE(2.4.1.1)D	0.31	10.11	0.00	27.60	0.00	27.60	10.11	287.65	0.03	0.00	True
Min Mx	MC ASCE(2.4.1.10)EY	0.21	10.11	0.00	27.60	0.00	27.60	10.11	287.65	0.02	0.00	True
Max My	MC ASCE(2.4.1.6)WXA	1.15	10.11	17.03	27.60	3.83	27.60	10.11	287.65	0.87	0.00	True
Min My	MC ASCE(2.4.1.7)WXB	0.23	10.11	4.82	27.60	0.55	27.60	10.11	287.65	0.22	0.00	True
Max Mz	MC ASCE(2.4.1.10)EX	0.11	10.11	1.77	27.60	0.25	27.60	10.11	287.65	0.08	0.00	True
Min Mz	MC ASCE(2.4.1.3)S	1.48	10.11	14.40	27.60	4.80	27.60	10.11	287.65	0.84	0.00	True

CONNECTION DESIGN

**PU2 I end - Purlin Connection**

PURLIN CONNECTION	<b>Weld Depth(in)</b>	4.10	<b>Plate Depth(in)</b>	6.13	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	5.51	<b>Plate Width(in)</b>	5.94	<b>Screws1</b>	4
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	4
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	78.02	<b>Hole dia(in)</b>	0.25
			<b>F<sub>w</sub>(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>F<sub>y</sub>(ksi)</b>	50,000.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt Num</b>	<b>Bar Location</b>	<b>F<sub>x</sub> (K)</b>	<b>F<sub>y</sub> (K)</b>	<b>F<sub>z</sub> (K)</b>	<b>M<sub>y</sub> (K-in)</b>	<b>M<sub>z</sub> (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.3)S	19	16		1 2.62	0.22	0.66	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WAY	30	17		1 0.01	0.03	-0.17	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.3)S	19	16		1 2.62	0.22	0.66	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.10)EX	36	16		1 0.21	-0.01	0.08	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.6)WXA	24	16		1 2.03	0.18	0.78	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.7)WXB	29	17		1 0.40	0.03	-0.22	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	16		1 0.54	0.04	0.13	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.10)EY	37	17		1 0.30	0.03	0.07	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	16		1 0.54	0.04	0.13	0.00	0.00	0.00
Min My	MC ASCE(2.4.1.10)EY	37	17		1 0.30	0.03	0.07	0.00	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	16		1 0.54	0.04	0.13	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.10)EY	37	17		1 0.30	0.03	0.07	0.00	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>V<sub>h</sub> (K)</b>	<b>V<sub>y</sub> (K)</b>	<b>Block</b>	<b>Block</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Che</b>
					<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	<b>Shear Nom (K/in)</b>	<b>Shear Ult (K/in)</b>	<b>Ten Nom (K/in)</b>	<b>Ten Ult (K/in)</b>	<b>Pullout Nom (K)</b>	<b>Pullout Ult (K)</b>	<b>Shear Nom (K)</b>	<b>Shear Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	1.81	2.02	0.06	16.80	0.06	50.49	2.02	0.00	0.00	3.24	0.00	5.34	2.02	True
Min Fx	MC ASCE(2.4.1	-0.04	0.00	-0.17	16.80	0.04	50.49	0.17	0.00	0.00	3.24	0.17	5.34	0.04	True
Max Fy	MC ASCE(2.4.1	1.81	2.02	0.06	16.80	0.06	50.49	2.02	0.00	0.00	3.24	0.00	5.34	2.02	True
Min Fy	MC ASCE(2.4.1	0.17	0.15	0.03	16.80	0.03	50.49	0.15	0.00	0.00	3.24	0.00	5.34	0.15	True
Max Fz	MC ASCE(2.4.1	1.44	1.61	0.31	16.80	0.31	50.49	1.64	0.00	0.00	3.24	0.00	5.34	1.64	True
Min Fz	MC ASCE(2.4.1	0.23	0.26	0.30	16.80	0.00	50.49	0.40	0.00	0.00	3.24	0.30	5.34	0.26	True
Max Mx	MC ASCE(2.4.1	0.38	0.41	0.01	16.80	0.01	50.49	0.41	0.00	0.00	3.24	0.00	5.34	0.41	True
Min Mx	MC ASCE(2.4.1	0.20	0.23	0.00	16.80	0.00	50.49	0.23	0.00	0.00	3.24	0.00	5.34	0.23	True
Max My	MC ASCE(2.4.1	0.38	0.41	0.01	16.80	0.01	50.49	0.41	0.00	0.00	3.24	0.00	5.34	0.41	True
Min My	MC ASCE(2.4.1	0.20	0.23	0.00	16.80	0.00	50.49	0.23	0.00	0.00	3.24	0.00	5.34	0.23	True
Max Mz	MC ASCE(2.4.1	0.38	0.41	0.01	16.80	0.01	50.49	0.41	0.00	0.00	3.24	0.00	5.34	0.41	True
Min Mz	MC ASCE(2.4.1	0.20	0.23	0.00	16.80	0.00	50.49	0.23	0.00	0.00	3.24	0.00	5.34	0.23	True

CONNECTION DESIGN

**PU2 J end - Purlin Connection**

<b>PURLIN CONNECTION</b>	<b>Weld Depth(in)</b>	4.10	<b>Plate Depth(in)</b>	6.13	<b>Top Flange Width(in)</b>	1.75
	<b>Weld Width(in)</b>	5.51	<b>Plate Width(in)</b>	5.94	<b>Screws1</b>	4
	<b>Weld Type</b>	Square	<b>Plate Thick(in)</b>	0.10	<b>Screws2</b>	4
	<b>Weld Size(in)</b>	0.13	<b>Plate Angle(deg)</b>	78.02	<b>Hole dia(in)</b>	0.25
			<b>Fu(ksi)</b>	65.00	<b>Z edge(in)</b>	0.50
			<b>Fy(ksi)</b>	50.00	<b>Y spread(in)</b>	3.00
					<b>Z spread(in)</b>	0.75
					<b>Strap(true/false)</b>	False
					<b>Strap Screws</b>	0

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mx (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.3)S	19	16		5.262	-0.22	-0.66	0.00	0.00	0.00
Min Fx	MC ASCE(2.4.1.7)WAY	30	17		5.001	-0.03	0.17	0.00	0.00	0.00
Max Fy	MC ASCE(2.4.1.10)EX	36	16		5.018	0.01	-0.08	0.00	0.00	0.00
Min Fy	MC ASCE(2.4.1.3)S	19	17		5.262	-0.22	-0.66	0.00	0.00	0.00
Max Fz	MC ASCE(2.4.1.7)WXB	29	17		5.040	-0.03	0.22	0.00	0.00	0.00
Min Fz	MC ASCE(2.4.1.6)WXA	24	16		5.203	-0.18	-0.78	0.00	0.00	0.00
Max Mx	MC ASCE(2.4.1.1)D	18	16		5.054	-0.04	-0.13	0.00	0.00	0.00
Min Mx	MC ASCE(2.4.1.10)EY	37	17		5.037	-0.03	-0.07	0.00	0.00	0.00
Max My	MC ASCE(2.4.1.1)D	18	16		5.054	-0.04	-0.13	0.00	0.00	0.00
Min My	MC ASCE(2.4.1.10)EY	37	17		5.037	-0.03	-0.07	0.00	0.00	0.00
Max Mz	MC ASCE(2.4.1.1)D	18	16		5.054	-0.04	-0.13	0.00	0.00	0.00
Min Mz	MC ASCE(2.4.1.10)EY	37	17		5.037	-0.03	-0.07	0.00	0.00	0.00

**PURLIN CONNECTION RESULTS**

<b>Label</b>	<b>C. Name</b>	<b>P(K)</b>	<b>Vh (K)</b>	<b>Vy (K)</b>	<b>Block</b>	<b>Block</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Weld</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Screw</b>	<b>Che</b>
					<b>Shear</b>	<b>Shear</b>	<b>Shear</b>	<b>Shear</b>	<b>Ten</b>	<b>Ten</b>	<b>Pullout</b>	<b>Pullout</b>	<b>Shear</b>	<b>Shear</b>	
					<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K/in)</b>	<b>Ult (K/in)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	<b>Nom (K)</b>	<b>Ult (K)</b>	
Max Fx	MC ASCE(2.4.1	1.81	2.02	0.06	16.80	0.06	50.49	2.02	0.00	0.00	3.24	0.00	5.34	2.02	True
Min Fx	MC ASCE(2.4.1	-0.04	0.00	-0.17	16.80	0.04	50.49	0.17	0.00	0.00	3.24	0.17	5.34	0.04	True
Max Fy	MC ASCE(2.4.1	0.15	0.13	0.04	16.80	0.04	50.49	0.13	0.00	0.00	3.24	0.00	5.34	0.13	True
Min Fy	MC ASCE(2.4.1	1.81	2.02	0.06	16.80	0.06	50.49	2.02	0.00	0.00	3.24	0.00	5.34	2.02	True
Max Fz	MC ASCE(2.4.1	0.23	0.26	-0.30	16.80	0.00	50.49	0.40	0.00	0.00	3.24	0.30	5.34	0.26	True
Min Fz	MC ASCE(2.4.1	1.44	1.61	0.31	16.80	0.31	50.49	1.64	0.00	0.00	3.24	0.00	5.34	1.64	True
Max Mx	MC ASCE(2.4.1	0.38	0.41	0.01	16.80	0.01	50.49	0.41	0.00	0.00	3.24	0.00	5.34	0.41	True
Min Mx	MC ASCE(2.4.1	0.25	0.28	-0.01	16.80	0.00	50.49	0.28	0.00	0.00	3.24	0.01	5.34	0.28	True
Max My	MC ASCE(2.4.1	0.38	0.41	0.01	16.80	0.01	50.49	0.41	0.00	0.00	3.24	0.00	5.34	0.41	True
Min My	MC ASCE(2.4.1	0.25	0.28	-0.01	16.80	0.00	50.49	0.28	0.00	0.00	3.24	0.01	5.34	0.28	True
Max Mz	MC ASCE(2.4.1	0.38	0.41	0.01	16.80	0.01	50.49	0.41	0.00	0.00	3.24	0.00	5.34	0.41	True
Min Mz	MC ASCE(2.4.1	0.25	0.28	-0.01	16.80	0.00	50.49	0.28	0.00	0.00	3.24	0.01	5.34	0.28	True

MEMBER DESIGN

**RBD1 Ridge Beam**

Title: RBD1  
 Count: 1  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 9.00  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS5X5X0.125  
 Depth (in) 5.00  
 Width (in) 5.00  
 Nominal Thickness (in) 0.13  
 Design Thickness (in) 0.12  
 Area (in<sup>2</sup>) 2.23  
 MOI Strong (in<sup>4</sup>) 8.80  
 MOI weak (in<sup>4</sup>) 8.80  
 Section Mod. Strong (in<sup>3</sup>) 3.52  
 Section Mod. Weak (in<sup>3</sup>) 3.52  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC\ASCE(2.4.1.6)WYB	27	13		1 2.67	0.00	0.39	-7.70	0.00	0.00
Min Fx	MC\ASCE(2.4.1.7)WAY	30	13		5 -0.30	0.00	0.13	-4.01	0.00	0.00
Max Fy	MC\ASCE(2.4.1.5)WXA	20	13		5 0.99	0.03	-0.14	-1.75	-0.49	0.00
Min Fy	MC\ASCE(2.4.1.7)WXA	28	13		1 0.73	-0.03	0.11	-1.22	-0.49	0.00
Max Fz	MC\ASCE(2.4.1.6)WYB	27	13		1 2.67	0.00	0.39	-7.70	0.00	0.00
Min Fz	MC\ASCE(2.4.1.3)S	19	13		5 2.65	0.00	-0.34	-5.88	0.00	0.00
Max Mx	MC\ASCE(2.4.1.1)D	18	13		1 0.65	0.00	0.07	-1.32	0.00	0.00
Min Mx	MC\ASCE(2.4.1.10)EY	37	13		5 0.34	0.01	0.01	1.89	-0.10	0.00
Max My	MC\ASCE(2.4.1.7)WAY	30	13		5 -0.30	0.00	0.13	-4.01	0.00	0.00
Min My	MC\ASCE(2.4.1.6)WYB	27	13		1 2.67	0.00	0.39	-7.70	0.00	0.00
Max Mz	MC\ASCE(2.4.1.5)WXA	20	13		3 0.99	0.00	0.00	1.94	0.29	0.00
Min Mz	MC\ASCE(2.4.1.7)WXA	28	13		5 0.73	0.03	-0.11	-1.22	-0.49	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	StransB (in <sup>3</sup> )	StransT (in <sup>4</sup> )	Qa	Fa (ksi)
Max Fx	27	y	2.67	7.70	0.00	2.23	8.80	3.52	3.52	1.00	20.51
Min Fx	30	y	-0.30	4.01	0.00	2.18	7.93	3.25	3.10	0.98	20.13
Max Fy	20	z	0.99	0.49	1.75	2.18	7.93	3.25	3.10	0.98	25.35
Min Fy	20	y	0.99	1.75	0.49	2.18	7.93	3.25	3.10	0.98	20.13
Min Fy	28	z	0.73	0.49	1.22	2.18	7.93	3.25	3.10	0.98	25.35
Min Fy	28	y	0.73	1.22	0.49	2.18	7.93	3.25	3.10	0.98	20.13
Max Fz	27	y	2.67	7.70	0.00	2.23	8.80	3.52	3.52	1.00	20.51
Min Fz	19	y	2.65	5.88	0.00	2.21	8.16	3.29	3.24	0.99	20.40
Max Mx	18	y	0.65	1.32	0.00	2.18	7.93	3.25	3.10	0.98	20.13
Min Mx	37	z	0.34	0.10	1.89	2.18	7.93	3.25	3.10	0.98	25.35
Min Mx	37	y	0.34	1.89	0.10	2.18	7.93	3.25	3.10	0.98	20.13
Max My	30	y	-0.30	4.01	0.00	2.18	7.93	3.25	3.10	0.98	20.13
Min My	27	y	2.67	7.70	0.00	2.23	8.80	3.52	3.52	1.00	20.51
Max Mz	20	z	0.99	0.29	1.94	2.18	7.93	3.25	3.10	0.98	25.35
Max Mz	20	y	0.99	1.94	0.29	2.18	7.93	3.25	3.10	0.98	20.13
Min Mz	28	z	0.73	0.49	1.22	2.18	7.93	3.25	3.10	0.98	25.35
Min Mz	28	y	0.73	1.22	0.49	2.18	7.93	3.25	3.10	0.98	20.13

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fby</u>	<u>Fby</u>	<u>fby</u>	<u>Fbz</u>	<u>F'ey</u>	<u>F'ez</u>	<u>Stress</u> <u>Ratio</u>	<u>Allow</u> <u>Increa</u>	<u>ASD</u> <u>OK</u>
Max Fx	MC ASCE(2.4.1.6)WYB	1.20	20.51	2.19	27.60	0.00	27.60	35.21	316.88	0.14	0.00	True
Min Fx	MC ASCE(2.4.1.7)WAY	0.13	20.13	1.30	27.60	0.00	27.60	35.21	316.88	0.05	0.00	True
Max Fy	MC ASCE(2.4.1.5)WXA	0.44	20.13	0.57	27.60	0.16	27.60	35.21	316.88	0.05	0.00	True
Min Fy	MC ASCE(2.4.1.7)WXA	0.33	20.13	0.39	27.60	0.16	27.60	35.21	316.88	0.04	0.00	True
Max Fz	MC ASCE(2.4.1.6)WYB	1.20	20.51	2.19	27.60	0.00	27.60	35.21	316.88	0.14	0.00	True
Min Fz	MC ASCE(2.4.1.3)S	1.19	20.40	1.81	27.60	0.00	27.60	35.21	316.88	0.12	0.00	True
Max Mx	MC ASCE(2.4.1.1)D	0.29	20.13	0.43	27.60	0.00	27.60	35.21	316.88	0.03	0.00	True
Min Mx	MC ASCE(2.4.1.10)EY	0.15	20.13	0.61	27.60	0.03	27.60	35.21	316.88	0.03	0.00	True
Max My	MC ASCE(2.4.1.7)WAY	0.13	20.13	1.30	27.60	0.00	27.60	35.21	316.88	0.05	0.00	True
Min My	MC ASCE(2.4.1.6)WYB	1.20	20.51	2.19	27.60	0.00	27.60	35.21	316.88	0.14	0.00	True
Max Mz	MC ASCE(2.4.1.5)WXA	0.44	20.13	0.63	27.60	0.09	27.60	35.21	316.88	0.05	0.00	True
Min Mz	MC ASCE(2.4.1.7)WXA	0.33	20.13	0.39	27.60	0.16	27.60	35.21	316.88	0.04	0.00	True

CONNECTION DESIGN

**RBD1 I end - Welded Connection**

WELD	<b>Depth(in)</b>	5.00	<b>Throat Size(in)</b>	0.13
	<b>Width (in)</b>	5.00	<b>Type</b>	Square

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mx (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC\ASCE(2.4.1.6)WYB	27	13		1 2.67	0.00	0.39	-7.70	0.00	0.00
Min Fx	MC\ASCE(2.4.1.7)WAY	30	13		1 -0.30	0.00	0.00	-3.16	0.00	0.00
Max Fy	MC\ASCE(2.4.1.1)D	18	13		1 0.65	0.00	0.07	-1.32	0.00	0.00
Min Fy	MC\ASCE(2.4.1.7)WXA	28	13		1 0.73	-0.03	0.11	-1.22	-0.49	0.00
Max Fz	MC\ASCE(2.4.1.6)WYB	27	13		1 2.67	0.00	0.39	-7.70	0.00	0.00
Min Fz	MC\ASCE(2.4.1.7)WXB	29	13		1 0.04	-0.02	-0.02	-0.34	-0.38	0.00
Max Mx	MC\ASCE(2.4.1.1)D	18	13		1 0.65	0.00	0.07	-1.32	0.00	0.00
Min Mx	MC\ASCE(2.4.1.10)EY	37	13		1 0.38	-0.01	0.09	-3.35	-0.10	0.00
Max My	MC\ASCE(2.4.1.7)WXB	29	13		1 0.04	-0.02	-0.02	-0.34	-0.38	0.00
Min My	MC\ASCE(2.4.1.6)WYB	27	13		1 2.67	0.00	0.39	-7.70	0.00	0.00
Max Mz	MC\ASCE(2.4.1.1)D	18	13		1 0.65	0.00	0.07	-1.32	0.00	0.00
Min Mz	MC\ASCE(2.4.1.7)WXA	28	13		1 0.73	-0.03	0.11	-1.22	-0.49	0.00

**WELDED CONNECTION RESULTS**

<b>Label</b>	<b>C. Num</b>	<b>Vn (K/in)</b>	<b>Vu (K/in)</b>	<b>Tn (K/in)</b>	<b>Tu (K/in)</b>	<b>Required Throat (in)</b>	<b>Check</b>
Max Fx	27	2.63	0.02	2.63	0.04	0.0020	True
Min Fx	30	2.63	0.00	2.63	0.07	0.0035	True
Max Fy	18	2.63	0.00	2.63	-0.01	0.0002	True
Min Fy	28	2.63	0.01	2.63	0.00	0.0003	True
Max Fz	27	2.63	0.02	2.63	0.04	0.0020	True
Min Fz	29	2.63	0.00	2.63	0.02	0.0009	True
Max Mx	18	2.63	0.00	2.63	-0.01	0.0002	True
Min Mx	37	2.63	0.00	2.63	0.08	0.0036	True
Max My	29	2.63	0.00	2.63	0.02	0.0009	True
Min My	27	2.63	0.02	2.63	0.04	0.0020	True
Max Mz	18	2.63	0.00	2.63	-0.01	0.0002	True
Min Mz	28	2.63	0.01	2.63	0.00	0.0003	True

CONNECTION DESIGN

**RBD1 J end - Welded Connection**

WELD	<b>Depth(in)</b>	5.00	<b>Throat Size(in)</b>	0.13
	<b>Width (in)</b>	5.00	<b>Type</b>	Square

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mx (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC\ASCE(2.4.1.6)WYB	27	13		5 2.67	0.00	-0.31	-3.60	0.00	0.00
Min Fx	MC\ASCE(2.4.1.7)WAY	30	13		5 -0.30	0.00	0.13	4.01	0.00	0.00
Max Fy	MC\ASCE(2.4.1.5)WXA	20	13		5 0.99	0.03	-0.14	-1.75	-0.49	0.00
Min Fy	MC\ASCE(2.4.1.9)EY	35	13		5 2.16	0.00	-0.24	-2.82	-0.07	0.00
Max Fz	MC\ASCE(2.4.1.7)WAY	30	13		5 -0.30	0.00	0.13	4.01	0.00	0.00
Min Fz	MC\ASCE(2.4.1.3)S	19	13		5 2.65	0.00	-0.34	-5.88	0.00	0.00
Max Mx	MC\ASCE(2.4.1.1)D	18	13		5 0.65	0.00	-0.07	-1.32	0.00	0.00
Min Mx	MC\ASCE(2.4.1.10)EY	37	13		5 0.34	0.01	0.01	1.89	-0.10	0.00
Max My	MC\ASCE(2.4.1.7)WAY	30	13		5 -0.30	0.00	0.13	4.01	0.00	0.00
Min My	MC\ASCE(2.4.1.3)S	19	13		5 2.65	0.00	-0.34	-5.88	0.00	0.00
Max Mz	MC\ASCE(2.4.1.1)D	18	13		5 0.65	0.00	-0.07	-1.32	0.00	0.00
Min Mz	MC\ASCE(2.4.1.7)WXA	28	13		5 0.73	0.03	-0.11	-1.22	-0.49	0.00

**WELDED CONNECTION RESULTS**

<b>Label</b>	<b>C. Num</b>	<b>Vn (K/in)</b>	<b>Vu (K/in)</b>	<b>Tn (K/in)</b>	<b>Tu (K/in)</b>	<b>Required Throat (in)</b>	<b>Check</b>
Max Fx	27	2.63	0.02	2.63	-0.08	0.0007	True
Min Fx	30	2.63	0.01	2.63	0.10	0.0047	True
Max Fy	20	2.63	0.01	2.63	0.00	0.0003	True
Min Fy	35	2.63	0.01	2.63	-0.07	0.0006	True
Max Fz	30	2.63	0.01	2.63	0.10	0.0047	True
Min Fz	19	2.63	0.02	2.63	-0.01	0.0008	True
Max Mx	18	2.63	0.00	2.63	-0.01	0.0002	True
Min Mx	37	2.63	0.00	2.63	0.04	0.0017	True
Max My	30	2.63	0.01	2.63	0.10	0.0047	True
Min My	19	2.63	0.02	2.63	-0.01	0.0008	True
Max Mz	18	2.63	0.00	2.63	-0.01	0.0002	True
Min Mz	28	2.63	0.01	2.63	0.00	0.0003	True

MEMBER DESIGN

**RF1 Rafter**

Title: RF1  
 Count: 4  
 Horizontal Angle Start end: 0.00  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 13.26  
 Vertical Angle Finish end: 13.26  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 10.17  
 Ly(ft) 10.17  
 Lz(ft) 10.17

**Section Properties**

Name HSS5X5X0.125  
 Depth (in) 5.00  
 Width (in) 5.00  
 Nominal Thickness (in) 0.13  
 Design Thickness (in) 0.12  
 Area (in<sup>2</sup>) 2.23  
 MOI Strong (in<sup>4</sup>) 8.80  
 MOI weak (in<sup>4</sup>) 8.80  
 Section Mod. Strong (in<sup>3</sup>) 3.52  
 Section Mod. Weak (in<sup>3</sup>) 3.52  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC\ASCE(2.4.1.3)S	19	5		1 5.71	0.02	-0.05	12.14	1.24	0.00
Min Fx	MC\ASCE(2.4.1.7)WAY	30	6		3 -0.37	-0.11	0.08	3.20	0.84	0.00
Max Fy	MC\ASCE(2.4.1.5)WAY	22	5		1 0.14	0.11	0.10	-1.37	5.92	0.00
Min Fy	MC\ASCE(2.4.1.7)WAY	30	6		3 -0.37	-0.11	0.08	3.20	0.84	0.00
Max Fz	MC\ASCE(2.4.1.5)WAY	22	5		1 0.14	0.11	0.10	-1.37	5.92	0.00
Min Fz	MC\ASCE(2.4.1.6)WXA	24	7		5 1.61	-0.01	-0.32	-6.29	0.71	0.00
Max Mx	MC\ASCE(2.4.1.6)WYB	27	6		1 5.39	0.06	-0.02	11.56	2.14	0.00
Min Mx	MC\ASCE(2.4.1.6)WYB	27	5		5 1.84	0.04	-0.26	-5.32	-0.61	0.00
Max My	MC\ASCE(2.4.1.6)WXA	24	5		1 4.75	-0.06	0.01	12.57	-3.59	0.00
Min My	MC\ASCE(2.4.1.6)WYB	27	8		5 1.85	0.04	-0.23	-7.47	-1.23	0.00
Max Mz	MC\ASCE(2.4.1.7)WXA	28	7		1 0.96	0.09	0.07	5.09	5.96	0.00
Min Mz	MC\ASCE(2.4.1.7)WXA	28	5		1 0.96	-0.09	0.07	5.09	-5.96	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	SiransB (in <sup>3</sup> )	SiransT (in <sup>4</sup> )	Qa	Fa (ksi)
Max Fx	19	z	5.71	1.24	12.14	2.23	8.80	3.52	3.52	1.00	19.16
Max Fx	19	y	5.71	12.14	1.24	2.23	8.80	3.52	3.52	1.00	19.16
Min Fx	30	z	-0.37	0.84	3.20	2.18	7.93	3.25	3.10	0.98	18.84
Min Fx	30	y	-0.37	3.20	0.84	2.18	7.93	3.25	3.10	0.98	18.84
Max Fy	22	z	0.14	5.92	1.37	2.18	7.93	3.25	3.10	0.98	18.84
Max Fy	22	y	0.14	1.37	5.92	2.18	7.93	3.25	3.10	0.98	18.84
Min Fy	30	z	-0.37	0.84	3.20	2.18	7.93	3.25	3.10	0.98	18.84
Min Fy	30	y	-0.37	3.20	0.84	2.18	7.93	3.25	3.10	0.98	18.84
Max Fz	22	z	0.14	5.92	1.37	2.18	7.93	3.25	3.10	0.98	18.84
Max Fz	22	y	0.14	1.37	5.92	2.18	7.93	3.25	3.10	0.98	18.84
Min Fz	24	z	1.61	0.71	6.29	2.18	7.93	3.25	3.10	0.98	18.84
Min Fz	24	y	1.61	6.29	0.71	2.20	8.05	3.27	3.17	0.98	18.96
Max Mx	27	z	5.39	2.14	11.56	2.23	8.80	3.52	3.52	1.00	19.16
Max Mx	27	y	5.39	11.56	2.14	2.23	8.80	3.52	3.52	1.00	19.16
Min Mx	27	z	1.84	0.61	5.32	2.18	7.93	3.25	3.10	0.98	18.84
Min Mx	27	y	1.84	5.32	0.61	2.18	7.93	3.25	3.10	0.98	18.84
Max My	24	z	4.75	3.59	12.57	2.23	8.80	3.52	3.52	1.00	19.16
Max My	24	y	4.75	12.57	3.59	2.23	8.80	3.52	3.52	1.00	19.16
Min My	27	z	1.85	1.23	7.47	2.23	8.23	3.30	3.29	1.00	19.14
Min My	27	y	1.85	7.47	1.23	2.23	8.80	3.52	3.52	1.00	19.16
Max Mz	28	z	0.96	5.96	5.09	2.23	8.80	3.52	3.52	1.00	19.16
Max Mz	28	y	0.96	5.09	5.96	2.23	8.80	3.52	3.52	1.00	19.16
Min Mz	28	z	0.96	5.96	5.09	2.23	8.80	3.52	3.52	1.00	19.16
Min Mz	28	y	0.96	5.09	5.96	2.23	8.80	3.52	3.52	1.00	19.16

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fbx</u>	<u>Fbx</u>	<u>fbz</u>	<u>Fbz</u>	<u>F'ey</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.3)S	2.56	19.16	3.45	27.60	0.35	27.60	27.57	27.57	0.27	0.00	True
Min Fx	MC ASCE(2.4.1.7)WAY	0.17	18.84	1.03	27.60	0.27	27.60	27.57	27.57	0.06	0.00	True
Max Fy	MC ASCE(2.4.1.5)WAY	0.06	18.84	0.44	27.60	1.91	27.60	27.57	27.57	0.09	0.00	True
Min Fy	MC ASCE(2.4.1.7)WAY	0.17	18.84	1.03	27.60	0.27	27.60	27.57	27.57	0.06	0.00	True
Max Fz	MC ASCE(2.4.1.5)WAY	0.06	18.84	0.44	27.60	1.91	27.60	27.57	27.57	0.09	0.00	True
Min Fz	MC ASCE(2.4.1.6)WXA	0.72	18.96	1.98	27.60	0.23	27.60	27.57	27.57	0.12	0.00	True
Max Mx	MC ASCE(2.4.1.6)WYB	2.42	19.16	3.28	27.60	0.61	27.60	27.57	27.57	0.27	0.00	True
Min Mx	MC ASCE(2.4.1.6)WYB	0.83	18.84	1.72	27.60	0.20	27.60	27.57	27.57	0.11	0.00	True
Max My	MC ASCE(2.4.1.6)WXA	2.13	19.16	3.57	27.60	1.02	27.60	27.57	27.57	0.28	0.00	True
Min My	MC ASCE(2.4.1.6)WYB	0.83	19.16	2.12	27.60	0.37	27.60	27.57	27.57	0.13	0.00	True
Max Mz	MC ASCE(2.4.1.7)WXA	0.43	19.16	1.45	27.60	1.69	27.60	27.57	27.57	0.14	0.00	True
Min Mz	MC ASCE(2.4.1.7)WXA	0.43	19.16	1.45	27.60	1.69	27.60	27.57	27.57	0.14	0.00	True

CONNECTION DESIGN

**RF1 I end - End Plate Connection**

<b>END PLATE</b>	<b>Depth of Cut (in)</b>	5.14	<b>Length (in)</b>	5.63	<b>Bolt Count</b>	<b>Weld Size (i)</b>	0.13
	<b>Width of cut (in)</b>	5.00	<b>Width (in)</b>	5.00	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.13	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thic</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

**Design Envelope**

<b>Label</b>	<b>C. Name</b>	<b>C. Num</b>	<b>Rbt. Bar Num.</b>	<b>Location</b>	<b>Fx (K)</b>	<b>Fy (K)</b>	<b>Fz (K)</b>	<b>Mx (K-in)</b>	<b>Mz (K-in)</b>	<b>Allow. Increase</b>
Max Fx	MC ASCE(2.4.1.3)S	19	5	1	5.71	0.02	-0.05	12.14	1.24	0.00
Min Fx	MC ASCE(2.4.1.7)WAY	30	6	1	-0.36	-0.11	0.10	-2.08	-5.82	0.00
Max Fy	MC ASCE(2.4.1.5)WAY	22	5	1	0.14	0.11	0.10	-1.37	5.92	0.00
Min Fy	MC ASCE(2.4.1.7)WAY	30	6	1	-0.36	-0.11	0.10	-2.08	-5.82	0.00
Max Fz	MC ASCE(2.4.1.5)WAY	22	5	1	0.14	0.11	0.10	-1.37	5.92	0.00
Min Fz	MC ASCE(2.4.1.6)WXA	24	8	1	4.92	-0.03	-0.10	8.14	-0.05	0.00
Max Mx	MC ASCE(2.4.1.6)WYB	27	6	1	5.39	0.06	-0.02	11.56	2.14	0.00
Min Mx	MC ASCE(2.4.1.6)WYB	27	5	1	5.39	-0.06	-0.02	11.56	-2.14	0.00
Max My	MC ASCE(2.4.1.6)WXA	24	5	1	4.75	-0.06	0.01	12.57	-3.59	0.00
Min My	MC ASCE(2.4.1.7)WXB	29	8	1	0.51	0.09	-0.03	-2.32	5.74	0.00
Max Mz	MC ASCE(2.4.1.7)WXA	28	7	1	0.96	0.09	0.07	5.09	5.96	0.00
Min Mz	MC ASCE(2.4.1.7)WXA	28	5	1	0.96	-0.09	0.07	5.09	-5.96	0.00

**End Plate Connection Results**

<b>Label</b>	<b>C. Num</b>	<b>Fh</b>	<b>Fy</b>	<b>Mx</b>	<b>Tu(Ksi)</b>		<b>Vu(Ksi)</b>		<b>Tn(Ksi)</b>		<b>Vn(Ksi)</b>		<b>Req. Size(in)</b>	<b>Mu(K-in)</b>	<b>Rqd. T(in)</b>	<b>Act. T(in)</b>	<b>Che</b>
					<b>Bolt Weld</b>	<b>Plate</b>	<b>Plate</b>										
Max Fx	19	5.57	1.26	12.14	6.97	2.06	43.79	21.00	0.25	0.09	0.12	0.38	0.01	0.09	0.12	0.38	True
Min Fx	30	-0.37	0.11	-2.08	5.78	0.18	44.00	21.00	0.23	0.07	-0.11	0.38	0.01	0.07	-0.11	0.38	True
Max Fy	22	0.11	0.17	-1.37	4.74	0.28	44.00	21.00	0.21	0.06	0.10	0.38	0.01	0.06	0.10	0.38	True
Min Fy	30	-0.37	0.11	-2.08	5.78	0.18	44.00	21.00	0.23	0.07	-0.11	0.38	0.01	0.07	-0.11	0.38	True
Max Fz	22	0.11	0.17	-1.37	4.74	0.28	44.00	21.00	0.21	0.06	0.10	0.38	0.01	0.06	0.10	0.38	True
Min Fz	24	4.81	1.03	8.14	3.32	1.68	43.86	21.00	0.18	0.04	0.08	0.38	0.00	0.04	0.08	0.38	True
Max Mx	27	5.25	1.22	11.56	7.27	1.99	43.80	21.00	0.25	0.09	0.12	0.38	0.01	0.09	0.12	0.38	True
Min Mx	27	5.25	1.22	11.56	7.27	1.99	43.80	21.00	0.25	0.09	0.12	0.38	0.01	0.09	0.12	0.38	True
Max My	24	4.62	1.10	12.57	9.56	1.79	43.84	21.00	0.29	0.12	0.14	0.38	0.01	0.12	0.14	0.38	True
Min My	29	0.50	0.13	-2.32	5.16	0.20	44.00	21.00	0.21	0.06	0.10	0.38	0.01	0.06	0.10	0.38	True
Max Mz	28	0.92	0.30	5.09	7.41	0.49	43.99	21.00	0.26	0.09	0.12	0.38	0.01	0.09	0.12	0.38	True
Min Mz	28	0.92	0.30	5.09	7.41	0.49	43.99	21.00	0.26	0.09	0.12	0.38	0.01	0.09	0.12	0.38	True

CONNECTION DESIGN

**RF1 J end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	5.14	<b>Length (in)</b>	5.63	<b>Bolt Count</b>	<b>Weld Size (i)</b>	0.13
	<b>Width of cut (in)</b>	5.00	<b>Width (in)</b>	5.00	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.13	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Ex (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.3)S	19	5		5.186	0.01	-0.25	-6.09	-0.25	0.00
Min Fx	MC ASCE(2.4.1.7)WAY	30	6		-5.019	0.04	-0.01	3.09	-1.49	0.00
Max Fy	MC ASCE(2.4.1.5)WXB	21	7		5.018	0.05	-0.14	-0.66	-0.81	0.00
Min Fy	MC ASCE(2.4.1.7)WXA	28	6		5.056	-0.05	0.07	-1.25	0.86	0.00
Max Fz	MC ASCE(2.4.1.7)WXB	29	6		5.011	0.01	0.08	0.94	-0.70	0.00
Min Fz	MC ASCE(2.4.1.6)WXA	24	7		5.161	-0.01	-0.32	-6.29	0.71	0.00
Max Mx	MC ASCE(2.4.1.6)WYB	27	6		5.184	-0.04	-0.26	-5.32	0.61	0.00
Min Mx	MC ASCE(2.4.1.6)WYB	27	5		5.184	0.04	-0.26	-5.32	-0.61	0.00
Max My	MC ASCE(2.4.1.7)WAY	30	5		-5.019	-0.04	-0.01	3.09	1.49	0.00
Min My	MC ASCE(2.4.1.6)WYB	27	8		5.185	0.04	-0.23	-7.47	-1.23	0.00
Max Mz	MC ASCE(2.4.1.7)WAY	30	5		-5.019	-0.04	-0.01	3.09	1.49	0.00
Min Mz	MC ASCE(2.4.1.7)WAY	30	6		-5.019	0.04	-0.01	3.09	-1.49	0.00

**End Plate Connection Results**

Label	C. Num	Fh	Fy	My	Tu(Ksi)		Vu(Ksi)		Req. Size(in)	Mu(K-in)	Rqd. T(in)	Act. T(in)	Che
					Bolt Weld	Bolt Weld	Tu Bolt Weld	Vu Bolt Weld					
Max Fx	19	1.87	0.18	-6.09	4.02	0.30	44.00	21.00	0.19	0.05	0.09	0.38	True
					0.74	0.07	21.00	21.00	0.00		0.00	0.00	
Min Fx	30	-0.18	0.07	3.09	3.83	0.11	44.00	21.00	0.18	0.05	0.09	0.38	True
					1.14	0.03	21.00	21.00	0.01		0.00	0.00	
Max Fy	21	0.21	0.11	-0.66	0.91	0.17	44.00	21.00	0.09	0.01	0.04	0.38	True
					0.27	0.04	21.00	21.00	0.00		0.00	0.00	
Min Fy	28	0.53	0.20	-1.25	1.20	0.33	43.99	21.00	0.10	0.01	0.05	0.38	True
					0.29	0.08	21.00	21.00	0.00		0.00	0.00	
Max Fz	29	0.09	0.10	0.94	1.19	0.17	44.00	21.00	0.10	0.01	0.05	0.38	True
					0.35	0.04	21.00	21.00	0.00		0.00	0.00	
Min Fz	24	1.64	0.06	-6.29	4.67	0.10	44.00	21.00	0.20	0.06	0.10	0.38	True
					0.98	0.02	21.00	21.00	0.01		0.00	0.00	
Max Mx	27	1.85	0.17	-5.32	3.58	0.28	44.00	21.00	0.18	0.04	0.08	0.38	True
					0.65	0.07	21.00	21.00	0.00		0.00	0.00	
Min Mx	27	1.85	0.17	-5.32	3.58	0.28	44.00	21.00	0.18	0.04	0.08	0.38	True
					0.65	0.07	21.00	21.00	0.00		0.00	0.00	
Max My	30	-0.18	0.07	3.09	3.83	0.11	44.00	21.00	0.18	0.05	0.09	0.38	True
					1.14	-0.03	21.00	21.00	0.01		0.00	0.00	
Min My	27	1.85	0.20	-7.47	5.86	0.33	43.99	21.00	0.23	0.07	-0.11	0.38	True
					1.29	0.08	21.00	21.00	0.01		0.00	0.00	
Max Mz	30	-0.18	0.07	3.09	3.83	0.11	44.00	21.00	0.18	0.05	0.09	0.38	True
					1.14	0.03	21.00	21.00	0.01		0.00	0.00	
Min Mz	30	-0.18	0.07	3.09	3.83	0.11	44.00	21.00	0.18	0.05	0.09	0.38	True
					1.14	0.03	21.00	21.00	0.01		0.00	0.00	

MEMBER DESIGN

**RT1 Rafter Tail**

Title: RT1  
 Count: 4  
 Horizontal Angle Start end: -13.26  
 Horizontal Angle Finish end: 0.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky: 2.10  
 Kz: 2.10  
 Lx(ft): 2.91  
 Ly(ft): 2.91  
 Lz(ft): 2.91

**Section Properties**

Name: HSS5X3X0.125  
 Depth (in): 5.00  
 Width (in): 3.00  
 Nominal Thickness (in): 0.13  
 Design Thickness (in): 0.12  
 Area (in<sup>2</sup>): 1.77  
 MOI Strong (in<sup>4</sup>): 6.03  
 MOI weak (in<sup>4</sup>): 2.75  
 Section Mod. Strong (in<sup>3</sup>): 2.41  
 Section Mod. Weak (in<sup>3</sup>): 1.83  
 Fy (ksi): 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC\ASCE(2.4.1.1)D	18	18		2.00	0.02	0.00	0.00	0.22	0.00
Min Fx	MC\ASCE(2.4.1.10)EY	37	21		-0.01	0.01	0.00	-0.02	0.21	0.00
Max Fy	MC\ASCE(2.4.1.3)S	19	18		-0.01	0.06	0.00	0.00	1.08	0.00
Min Fy	MC\ASCE(2.4.1.7)WAY	30	21		2.00	-0.01	0.00	0.03	-0.04	0.00
Max Fz	MC\ASCE(2.4.1.5)WXA	20	18		-0.01	0.03	0.01	-0.15	0.50	0.00
Min Fz	MC\ASCE(2.4.1.7)WXB	29	21		2.00	0.01	-0.01	0.07	0.10	0.00
Max Mx	MC\ASCE(2.4.1.1)D	18	18		-0.01	0.02	0.00	0.00	0.40	0.00
Min Mx	MC\ASCE(2.4.1.10)EY	37	21		5.00	0.00	0.00	0.00	0.00	0.00
Max My	MC\ASCE(2.4.1.5)WAY	22	18		-0.01	0.03	-0.01	0.15	0.50	0.00
Min My	MC\ASCE(2.4.1.7)WAY	30	19		1.00	0.02	0.01	-0.15	0.35	0.00
Max Mz	MC\ASCE(2.4.1.6)WXB	25	18		-0.01	0.06	0.00	0.05	1.12	0.00
Min Mz	MC\ASCE(2.4.1.7)WAY	30	21		1.00	-0.01	0.00	0.05	-0.10	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	StransB (in <sup>3</sup> )	StransT (in <sup>4</sup> )	Qa	Fa (ksi)
Max Fx	18	z	0.00	0.22	0.00	1.72	2.45	1.68	1.58	0.97	20.96
Min Fx	37	z	-0.01	0.21	0.02	1.72	2.45	1.68	1.58	0.97	20.96
Max Fy	19	z	-0.01	1.08	0.00	1.72	2.45	1.68	1.58	0.97	20.96
Min Fy	30	z	0.00	0.04	0.03	1.72	2.45	1.68	1.58	0.97	20.96
Max Fz	20	z	-0.01	0.50	0.15	1.72	2.45	1.68	1.58	0.97	20.96
Min Fz	29	z	0.00	0.10	0.07	1.72	2.45	1.68	1.58	0.97	20.96
Max Mx	18	z	-0.01	0.40	0.00	1.72	2.45	1.68	1.58	0.97	20.96
Max My	22	z	-0.01	0.50	0.15	1.72	2.45	1.68	1.58	0.97	20.96
Min My	30	z	0.00	0.35	0.15	1.72	2.45	1.68	1.58	0.97	20.96
Max Mz	25	z	-0.01	1.12	0.05	1.72	2.45	1.68	1.58	0.97	20.96
Min Mz	30	z	0.00	0.10	0.05	1.72	2.45	1.68	1.58	0.97	20.96

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fb<sub>y</sub></u>	<u>Fb<sub>y</sub></u>	<u>fb<sub>z</sub></u>	<u>Fb<sub>z</sub></u>	<u>F'ey</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.1)D	0.00	20.96	0.00	27.60	0.14	27.60	95.26	43.49	0.01	0.00	True
Min Fx	MC ASCE(2.4.1.10)EY	0.01	20.96	0.01	27.60	0.13	27.60	95.26	43.49	0.01	0.00	True
Max Fy	MC ASCE(2.4.1.3)S	0.01	20.96	0.00	27.60	0.68	27.60	95.26	43.49	0.03	0.00	True
Min Fy	MC ASCE(2.4.1.7)WAY	0.00	20.96	0.01	27.60	0.03	27.60	95.26	43.49	0.00	0.00	True
Max Fz	MC ASCE(2.4.1.5)WXA	0.01	20.96	0.06	27.60	0.32	27.60	95.26	43.49	0.01	0.00	True
Min Fz	MC ASCE(2.4.1.7)WXB	0.00	20.96	0.03	27.60	0.06	27.60	95.26	43.49	0.00	0.00	True
Max Mx	MC ASCE(2.4.1.1)D	0.01	20.96	0.00	27.60	0.25	27.60	95.26	43.49	0.01	0.00	True
Min Mx	MC ASCE(2.4.1.10)EY	0.00	27.60	0.00	27.60	0.00	27.60	95.26	43.49	0.00	0.00	True
Max My	MC ASCE(2.4.1.5)WAY	0.01	20.96	0.06	27.60	0.32	27.60	95.26	43.49	0.01	0.00	True
Min My	MC ASCE(2.4.1.7)WAY	0.00	20.96	0.06	27.60	0.22	27.60	95.26	43.49	0.01	0.00	True
Max Mz	MC ASCE(2.4.1.6)WXB	0.01	20.96	0.02	27.60	0.71	27.60	95.26	43.49	0.03	0.00	True
Min Mz	MC ASCE(2.4.1.7)WAY	0.00	20.96	0.02	27.60	0.06	27.60	95.26	43.49	0.00	0.00	True

CONNECTION DESIGN

**RT1 I end - Welded Connection**

<u>WELD</u>	<u>Depth(in)</u>	5.00	<u>Throat Size(in)</u>	0.13
	<u>Width (in)</u>	3.08	<u>Type</u>	Square

Design Envelope

<u>Label</u>	<u>C. Name</u>	<u>C. Num</u>	<u>Rbt. Bar Num.</u>	<u>Location</u>	<u>Fx (K)</u>	<u>Fy (K)</u>	<u>Fz (K)</u>	<u>Mx (K-in)</u>	<u>Mz (K-in)</u>	<u>Allow. Increase</u>	
Max Fx	MC\ASCE(2.4.1.7)WXA	28	18		1	0.00	0.02	0.01	-0.15	0.35	0.00
Min Fx	MC\ASCE(2.4.1.10)EY	37	21		1	-0.01	0.01	0.00	-0.02	0.21	0.00
Max Fy	MC\ASCE(2.4.1.3)S	19	18		1	-0.01	0.06	0.00	0.00	1.08	0.00
Min Fy	MC\ASCE(2.4.1.7)WAY	30	21		1	0.00	-0.01	0.00	0.05	-0.10	0.00
Max Fz	MC\ASCE(2.4.1.5)WXA	20	18		1	-0.01	0.03	0.01	-0.15	0.50	0.00
Min Fz	MC\ASCE(2.4.1.7)WXB	29	21		1	0.00	0.01	-0.01	0.14	0.18	0.00
Max Mx	MC\ASCE(2.4.1.1)D	18	18		1	-0.01	0.02	0.00	0.00	0.40	0.00
Min Mx	MC\ASCE(2.4.1.10)EY	37	21		1	-0.01	0.01	0.00	-0.02	0.21	0.00
Max My	MC\ASCE(2.4.1.5)WAY	22	18		1	-0.01	0.03	-0.01	0.15	0.50	0.00
Min My	MC\ASCE(2.4.1.7)WAY	30	19		1	0.00	0.02	0.01	-0.15	0.35	0.00
Max Mz	MC\ASCE(2.4.1.6)WXB	25	18		1	-0.01	0.06	0.00	0.05	1.12	0.00
Min Mz	MC\ASCE(2.4.1.7)WAY	30	21		1	0.00	-0.01	0.00	0.05	-0.10	0.00

WELDED CONNECTION RESULTS

<u>Label</u>	<u>C. Num</u>	<u>Vn (K/in)</u>	<u>Vu (K/in)</u>	<u>Tn (K/in)</u>	<u>Tu (K/in)</u>	<u>Required Throat (in)</u>	<u>Check</u>
Max Fx	28	2.63	0.00	2.63	0.02	0.0012	True
Min Fx	37	2.63	0.00	2.63	0.01	0.0005	True
Max Fy	19	2.63	0.00	2.63	0.06	0.0027	True
Min Fy	30	2.63	0.00	2.63	0.01	0.0004	True
Max Fz	20	2.63	0.00	2.63	0.03	0.0015	True
Min Fz	29	2.63	0.00	2.63	0.02	0.0007	True
Max Mx	18	2.63	0.00	2.63	0.02	0.0010	True
Min Mx	37	2.63	0.00	2.63	0.01	0.0005	True
Max My	22	2.63	0.00	2.63	0.03	0.0015	True
Min My	30	2.63	0.00	2.63	0.02	0.0012	True
Max Mz	25	2.63	0.00	2.63	0.06	0.0029	True
Min Mz	30	2.63	0.00	2.63	0.01	0.0004	True

MEMBER DESIGN

**TB1 Tie Beam**

Title: TB1  
 Count: 2  
 Horizontal Angle Start end: 45.00  
 Horizontal Angle Finish end: -45.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky: 1.20  
 Kz: 1.20  
 Lx(ft): 14.00  
 Ly(ft): 3.00  
 Lz(ft): 3.00

**Section Properties**

Name: HSS6X3X0.125  
 Depth (in): 6.00  
 Width (in): 3.00  
 Nominal Thickness (in): 0.13  
 Design Thickness (in): 0.12  
 Area (in<sup>2</sup>): 2.00  
 MOI Strong (in<sup>4</sup>): 9.43  
 MOI weak (in<sup>4</sup>): 3.23  
 Section Mod. Strong (in<sup>3</sup>): 3.14  
 Section Mod. Weak (in<sup>3</sup>): 2.15  
 Fy (ksi): 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.7)WAY	30	9		1.032	-0.11	0.40	-8.32	-2.15	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	10		-3.82	0.00	-0.70	-16.98	-0.24	0.00
Max Fy	MC ASCE(2.4.1.5)WAY	22	9		-0.01	0.11	-0.45	-9.59	-2.16	0.00
Min Fy	MC ASCE(2.4.1.7)WAY	30	9		1.032	-0.11	0.40	-8.32	-2.15	0.00
Max Fz	MC ASCE(2.4.1.6)WYA	26	9		-2.45	-0.08	0.80	-18.34	-1.78	0.00
Min Fz	MC ASCE(2.4.1.6)WYA	26	9		-2.45	0.08	-0.80	-18.34	-1.78	0.00
Max Mx	MC ASCE(2.4.1.5)WXA	20	10		-1.10	0.10	-0.02	-5.18	3.08	0.00
Min Mx	MC ASCE(2.4.1.7)WXA	28	9		-0.76	-0.10	0.07	-3.91	3.10	0.00
Max My	MC ASCE(2.4.1.6)WYA	26	9		-2.45	0.00	0.00	15.11	1.60	0.00
Min My	MC ASCE(2.4.1.6)WXB	25	10		-2.87	-0.05	0.78	-21.19	-0.59	0.00
Max Mz	MC ASCE(2.4.1.7)WXA	28	9		-0.76	-0.10	0.07	-3.91	3.10	0.00
Min Mz	MC ASCE(2.4.1.5)WXB	21	10		-0.57	0.09	-0.30	-2.80	-2.82	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	StransB (in <sup>3</sup> )	StransT (in <sup>4</sup> )	Qa	Fa (ksi)
Max Fx	30	z	0.32	2.15	8.32	2.00	3.23	2.15	2.15	1.00	24.68
Min Fx	19	z	-3.82	0.24	16.98	2.00	3.23	2.15	2.15	1.00	24.68
Max Fy	22	z	-0.01	2.16	9.59	2.00	3.23	2.15	2.15	1.00	24.68
Min Fy	30	z	0.32	2.15	8.32	2.00	3.23	2.15	2.15	1.00	24.68
Max Fz	26	z	-2.45	1.78	18.34	2.00	3.23	2.15	2.15	1.00	24.68
Min Fz	26	z	-2.45	1.78	18.34	2.00	3.23	2.15	2.15	1.00	24.68
Max Mx	20	z	-1.10	3.08	5.18	2.00	3.23	2.15	2.15	1.00	24.68
Min Mx	28	z	-0.76	3.10	3.91	2.00	3.23	2.15	2.15	1.00	24.68
Max My	26	z	-2.45	1.60	15.11	2.00	3.23	2.15	2.15	1.00	24.68
Min My	25	z	-2.87	0.59	21.19	2.00	3.23	2.15	2.15	1.00	24.68
Max Mz	28	z	-0.76	3.10	3.91	2.00	3.23	2.15	2.15	1.00	24.68
Min Mz	21	z	-0.57	2.82	2.80	1.96	2.97	2.02	1.94	0.98	24.25

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fby</u>	<u>Fby</u>	<u>fby</u>	<u>Fbz</u>	<u>F'ey</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.7)WAY	0.16	15.76	2.65	27.60	1.00	27.60	17.30	129.06	0.14	0.00	True
Min Fx	MC ASCE(2.4.1.3)S	1.91	24.68	5.41	27.60	0.11	27.60	17.30	129.06	0.28	0.00	True
Max Fy	MC ASCE(2.4.1.5)WAY	0.01	24.68	3.05	27.60	1.00	27.60	17.30	129.06	0.15	0.00	True
Min Fy	MC ASCE(2.4.1.7)WAY	0.16	15.76	2.65	27.60	1.00	27.60	17.30	129.06	0.14	0.00	True
Max Fz	MC ASCE(2.4.1.6)WYA	1.23	24.68	5.84	27.60	0.83	27.60	17.30	129.06	0.29	0.00	True
Min Fz	MC ASCE(2.4.1.6)WYA	1.23	24.68	5.84	27.60	0.83	27.60	17.30	129.06	0.29	0.00	True
Max Mx	MC ASCE(2.4.1.5)WXA	0.55	24.68	1.65	27.60	1.43	27.60	17.30	129.06	0.13	0.00	True
Min Mx	MC ASCE(2.4.1.7)WXA	0.38	24.68	1.25	27.60	1.44	27.60	17.30	129.06	0.11	0.00	True
Max My	MC ASCE(2.4.1.6)WYA	1.23	24.68	4.81	27.60	0.74	27.60	17.30	129.06	0.25	0.00	True
Min My	MC ASCE(2.4.1.6)WXB	1.44	24.68	6.75	27.60	0.27	27.60	17.30	129.06	0.31	0.00	True
Max Mz	MC ASCE(2.4.1.7)WXA	0.38	24.68	1.25	27.60	1.44	27.60	17.30	129.06	0.11	0.00	True
Min Mz	MC ASCE(2.4.1.5)WXB	0.29	24.25	0.89	27.60	1.45	27.60	17.30	129.06	0.10	0.00	True

CONNECTION DESIGN

**TB1 I end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (i)</b>	0.13
	<b>Width of cut (in)</b>	4.24	<b>Width (in)</b>	4.50	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thic</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Ex (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase	
Max Fx	MC ASCE(2.4.1.7)WAY	30	9		1	0.32	-0.11	0.40	-8.32	-2.15	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	10		1	-3.82	0.00	0.70	-16.98	-0.24	0.00
Max Fy	MC ASCE(2.4.1.5)WXA	20	10		1	-1.10	0.10	-0.02	-5.18	3.08	0.00
Min Fy	MC ASCE(2.4.1.7)WAY	30	9		1	0.32	-0.11	0.40	-8.32	-2.15	0.00
Max Fz	MC ASCE(2.4.1.6)WYA	26	9		1	-2.45	-0.08	0.80	-18.34	-1.78	0.00
Min Fz	MC ASCE(2.4.1.7)WXA	28	9		1	-0.76	0.06	-0.24	9.96	0.17	0.00
Max Mx	MC ASCE(2.4.1.5)WXA	20	10		1	-1.10	0.10	-0.02	-5.18	3.08	0.00
Min Mx	MC ASCE(2.4.1.7)WXA	28	9		1	-0.76	0.06	-0.24	9.96	0.17	0.00
Max My	MC ASCE(2.4.1.7)WXA	28	9		1	-0.76	0.06	-0.24	9.96	0.17	0.00
Min My	MC ASCE(2.4.1.6)WXB	25	10		1	-2.87	-0.05	0.78	-21.19	-0.59	0.00
Max Mz	MC ASCE(2.4.1.7)WXA	28	10		1	-0.76	0.10	-0.07	-3.91	3.10	0.00
Min Mz	MC ASCE(2.4.1.5)WXB	21	9		1	-0.57	-0.09	0.30	-2.80	-2.82	0.00

**End Plate Connection Results**

Label	C. Num	Fh	Fy	My	T <sub>u</sub> (Ksi)		V <sub>u</sub> (Ksi)		T <sub>n</sub> (Ksi)		V <sub>n</sub> (Ksi)		Req. Size(in)	Mu(K-in)	Rqd. T(in)	Act. T(in)	Che
					Bolt Weld	Bolt Weld	Bolt Weld	Bolt Weld	Bolt Weld	Bolt Weld	Plate	Plate					
Max Fx	30	0.30	0.43	-8.32	7.14	0.70	43.98	21.00	0.25	0.09	0.12	0.38	0.01	0.09	0.12	0.38	True
Min Fx	19	-2.70	2.79	16.98	14.04	4.55	42.96	21.00	0.36	0.18	0.17	0.38	0.03	0.18	0.17	0.38	True
Max Fy	20	-0.85	0.71	-5.18	6.65	1.15	43.93	21.00	0.24	0.08	0.12	0.38	0.01	0.08	0.12	0.38	True
Min Fy	30	0.30	0.43	-8.32	7.14	0.70	43.98	21.00	0.25	0.09	0.12	0.38	0.01	0.09	0.12	0.38	True
Max Fz	26	-1.68	1.96	18.34	15.34	3.19	43.49	21.00	0.37	0.20	0.18	0.38	0.03	0.20	0.18	0.38	True
Min Fz	28	-0.58	0.55	9.96	7.44	0.90	43.96	21.00	0.26	0.09	0.12	0.38	0.01	0.09	0.12	0.38	True
Max Mx	20	-0.85	0.71	-5.18	6.65	1.15	43.93	21.00	0.24	0.08	0.12	0.38	0.01	0.08	0.12	0.38	True
Min Mx	28	-0.58	0.55	9.96	7.44	0.90	43.96	21.00	0.26	0.09	0.12	0.38	0.01	0.09	0.12	0.38	True
Max My	28	-0.58	0.55	9.96	7.44	0.90	43.96	21.00	0.26	0.09	0.12	0.38	0.01	0.09	0.12	0.38	True
Min My	25	-1.99	2.21	21.19	16.63	3.60	43.35	21.00	0.39	0.21	0.18	0.38	0.03	0.21	0.18	0.38	True
Max Mz	28	-0.61	0.47	-3.91	5.60	0.77	43.97	21.00	0.22	0.07	0.11	0.38	0.01	0.07	0.11	0.38	True
Min Mz	21	-0.34	0.55	-2.80	4.40	0.90	43.96	21.00	0.20	0.06	0.09	0.38	0.01	0.06	0.09	0.38	True

CONNECTION DESIGN

**TB1 J end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (i)</b>	0.13
	<b>Width of cut (in)</b>	4.24	<b>Width (in)</b>	4.50	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thic</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

Design Envelope

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Ex (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC ASCE(2.4.1.7)WAY	30	9		5.032	0.11	-0.40	-8.32	-2.15	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	10		5-3.82	0.00	-0.70	-16.98	-0.24	0.00
Max Fy	MC ASCE(2.4.1.5)WAY	22	9		5-0.01	0.11	-0.45	-9.59	-2.16	0.00
Min Fy	MC ASCE(2.4.1.7)WXA	28	9		5-0.76	-0.10	0.07	-3.91	3.10	0.00
Max Fz	MC ASCE(2.4.1.7)WXA	28	10		5-0.76	-0.06	0.24	9.96	0.17	0.00
Min Fz	MC ASCE(2.4.1.6)WYA	26	9		5-2.45	0.08	-0.80	-18.34	-1.78	0.00
Max Mx	MC ASCE(2.4.1.5)WXA	20	10		5-1.10	-0.06	0.18	8.69	0.16	0.00
Min Mx	MC ASCE(2.4.1.7)WXA	28	9		5-0.76	-0.10	0.07	-3.91	3.10	0.00
Max My	MC ASCE(2.4.1.7)WXA	28	10		5-0.76	-0.06	0.24	9.96	0.17	0.00
Min My	MC ASCE(2.4.1.6)WXB	25	9		5-2.87	0.05	-0.78	-21.19	-0.59	0.00
Max Mz	MC ASCE(2.4.1.7)WXA	28	9		5-0.76	-0.10	0.07	-3.91	3.10	0.00
Min Mz	MC ASCE(2.4.1.5)WXB	21	10		5-0.57	0.09	-0.30	-2.80	-2.82	0.00

End Plate Connection Results

Label	C. Num	Fh	Fy	My	Tn(Ksi)		Vu(Ksi)		Req. Size(in)	Mu(K-in)	Rqd. T(in)	Act. T(in)	Che
					Bolt Weld	Bolt Weld	Bolt Weld	Bolt Weld					
Max Fx	30	0.30	0.43	-8.32	7.14	0.70	43.98	21.00	0.25	0.09	0.12	0.38	True
					2.21	0.17	21.00	21.00	0.01		0.00	0.00	
Min Fx	19	-2.70	2.79	16.98	14.04	4.55	42.96	21.00	0.36	0.18	0.17	0.38	True
					4.87	1.09	21.00	21.00	0.03		0.00	0.00	
Max Fy	22	0.07	0.46	-9.59	8.21	0.75	43.97	21.00	0.27	0.10	0.13	0.38	True
					2.58	0.18	21.00	21.00	0.02		0.00	0.00	
Min Fy	28	-0.61	0.47	-3.91	5.60	0.77	43.97	21.00	0.22	0.07	0.11	0.38	True
					1.87	0.18	21.00	21.00	0.01		0.00	0.00	
Max Fz	28	-0.58	0.55	9.96	7.44	0.90	43.96	21.00	0.26	0.09	0.12	0.38	True
					2.41	0.21	21.00	21.00	0.01		0.00	0.00	
Min Fz	26	-1.68	1.96	18.34	15.34	3.19	43.49	21.00	0.37	0.20	0.18	0.38	True
					5.08	0.77	21.00	21.00	0.03		0.00	0.00	
Max Mx	20	-0.82	0.76	8.69	6.76	1.23	43.92	21.00	0.25	0.09	0.12	0.38	True
					2.24	0.30	21.00	21.00	0.01		0.00	0.00	
Min Mx	28	-0.61	0.47	-3.91	5.60	0.77	43.97	21.00	0.22	0.07	0.11	0.38	True
					1.87	0.18	21.00	21.00	0.01		0.00	0.00	
Max My	28	-0.58	0.55	9.96	7.44	0.90	43.96	21.00	0.26	0.09	0.12	0.38	True
					2.41	0.21	21.00	21.00	0.01		0.00	0.00	
Min My	25	-1.99	2.21	21.19	16.63	3.60	43.35	21.00	0.39	0.21	0.18	0.38	True
					5.52	0.86	21.00	21.00	0.03		0.00	0.00	
Max Mz	28	-0.61	0.47	-3.91	5.60	0.77	43.97	21.00	0.22	0.07	0.11	0.38	True
					1.87	0.18	21.00	21.00	0.01		0.00	0.00	
Min Mz	21	-0.34	0.55	-2.80	4.40	0.90	43.96	21.00	0.20	0.06	0.09	0.38	True
					1.46	0.22	21.00	21.00	0.01		0.00	0.00	

MEMBER DESIGN

**TB2 Tie Beam**

Title: TB2  
 Count: 2  
 Horizontal Angle Start end: 45.00  
 Horizontal Angle Finish end: -45.00  
 Vertical Angle Start end: 0.00  
 Vertical Angle Finish end: 0.00  
 Ky 1.20  
 Kz 1.20  
 Lx(ft) 23.00  
 Ly(ft) 3.00  
 Lz(ft) 3.00

**Section Properties**

Name HSS6X3X0.125  
 Depth (in) 6.00  
 Width (in) 3.00  
 Nominal Thickness (in) 0.13  
 Design Thickness (in) 0.12  
 Area (in<sup>2</sup>) 2.00  
 MOI Strong (in<sup>4</sup>) 9.43  
 MOI weak (in<sup>4</sup>) 3.23  
 Section Mod. Strong (in<sup>3</sup>) 3.14  
 Section Mod. Weak (in<sup>3</sup>) 2.15  
 Fy (ksi) 46

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Fx (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase
Max Fx	MC\ASCE(2.4.1.7)WAY	30	11		1.011	0.13	-0.23	6.18	5.92	0.00
Min Fx	MC\ASCE(2.4.1.3)S	19	12		-3.54	0.00	-1.14	-46.43	0.14	0.00
Max Fy	MC\ASCE(2.4.1.5)WXA	20	11		-0.71	0.18	-0.75	-29.89	-7.47	0.00
Min Fy	MC\ASCE(2.4.1.7)WXA	28	11		-0.40	-0.18	0.66	-26.38	-7.48	0.00
Max Fz	MC\ASCE(2.4.1.6)WXA	24	11		-2.80	-0.13	1.31	-52.85	-5.50	0.00
Min Fz	MC\ASCE(2.4.1.6)WXA	24	11		-2.80	0.13	-1.31	-52.85	-5.50	0.00
Max Mx	MC\ASCE(2.4.1.5)WAY	22	11		-0.21	0.13	-0.14	2.67	5.93	0.00
Min Mx	MC\ASCE(2.4.1.7)WAY	30	12		0.11	-0.13	0.23	6.18	5.92	0.00
Max My	MC\ASCE(2.4.1.6)WXA	24	11		-2.80	0.00	0.00	37.44	3.62	0.00
Min My	MC\ASCE(2.4.1.6)WXA	24	11		-2.80	0.13	-1.31	-52.85	-5.50	0.00
Max Mz	MC\ASCE(2.4.1.5)WXB	21	12		-0.80	0.15	-0.25	9.66	6.57	0.00
Min Mz	MC\ASCE(2.4.1.7)WXA	28	11		-0.40	0.18	-0.66	-26.38	-7.48	0.00

Compactness: Slender

**Slender Section Properties**

Label	C. Num	Axis	P (K)	Mprime (K-in)	M orth (K-in)	Atrans (in <sup>2</sup> )	Itrans (in <sup>4</sup> )	StransB (in <sup>3</sup> )	StransT (in <sup>4</sup> )	Qa	Fa (ksi)
Max Fx	30	z	0.11	5.92	6.18	2.00	3.23	2.15	2.15	1.00	24.68
Min Fx	19	z	-3.54	0.14	46.43	2.00	3.23	2.15	2.15	1.00	24.68
Max Fy	20	z	-0.71	7.47	29.89	2.00	3.23	2.15	2.15	1.00	24.68
Min Fy	28	z	-0.40	7.48	26.38	2.00	3.23	2.15	2.15	1.00	24.68
Max Fz	24	z	-2.80	5.50	52.85	1.97	2.99	2.02	1.97	0.99	24.38
Min Fz	24	z	-2.80	5.50	52.85	1.97	2.99	2.02	1.97	0.99	24.38
Max Mx	22	z	-0.21	5.93	2.67	2.00	3.23	2.15	2.15	1.00	24.68
Min Mx	30	z	0.11	5.92	6.18	2.00	3.23	2.15	2.15	1.00	24.68
Max My	24	z	-2.80	3.62	37.44	2.00	3.23	2.15	2.15	1.00	24.68
Min My	24	z	-2.80	5.50	52.85	1.97	2.99	2.02	1.97	0.99	24.38
Max Mz	21	z	-0.80	6.57	9.66	2.00	3.23	2.15	2.15	1.00	24.68
Min Mz	28	z	-0.40	7.48	26.38	2.00	3.23	2.15	2.15	1.00	24.68

Member Design Results

<u>Label</u>	<u>C. Name</u>	<u>fa</u>	<u>Fa</u>	<u>fby</u>	<u>Fby</u>	<u>fby</u>	<u>Fbz</u>	<u>F'ey</u>	<u>F'ez</u>	<u>Stress Ratio</u>	<u>Allow Increa</u>	<u>ASD OK</u>
Max Fx	MC ASCE(2.4.1.7)WAY	0.06	6.41	1.97	27.60	2.75	27.60	6.41	129.06	0.18	0.00	True
Min Fx	MC ASCE(2.4.1.3)S	1.77	24.68	14.79	27.60	0.07	27.60	6.41	129.06	0.61	0.00	True
Max Fy	MC ASCE(2.4.1.5)WXA	0.36	24.68	9.52	27.60	3.47	27.60	6.41	129.06	0.49	0.00	True
Min Fy	MC ASCE(2.4.1.7)WXA	0.20	24.68	8.40	27.60	3.48	27.60	6.41	129.06	0.44	0.00	True
Max Fz	MC ASCE(2.4.1.6)WXA	1.40	24.38	16.83	27.60	2.79	27.60	6.41	129.06	0.77	0.00	True
Min Fz	MC ASCE(2.4.1.6)WXA	1.40	24.38	16.83	27.60	2.79	27.60	6.41	129.06	0.77	0.00	True
Max Mx	MC ASCE(2.4.1.5)WAY	0.11	24.68	0.85	27.60	2.76	27.60	6.41	129.06	0.14	0.00	True
Min Mx	MC ASCE(2.4.1.7)WAY	0.06	6.41	1.97	27.60	2.75	27.60	6.41	129.06	0.18	0.00	True
Max My	MC ASCE(2.4.1.6)WXA	1.40	24.68	11.92	27.60	1.68	27.60	6.41	129.06	0.55	0.00	True
Min My	MC ASCE(2.4.1.6)WXA	1.40	24.38	16.83	27.60	2.79	27.60	6.41	129.06	0.77	0.00	True
Max Mz	MC ASCE(2.4.1.5)WXB	0.40	24.68	3.08	27.60	3.06	27.60	6.41	129.06	0.24	0.00	True
Min Mz	MC ASCE(2.4.1.7)WXA	0.20	24.68	8.40	27.60	3.48	27.60	6.41	129.06	0.44	0.00	True

CONNECTION DESIGN

**TB2 I end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (in)</b>	0.13
	<b>Width of cut (in)</b>	4.24	<b>Width (in)</b>	4.50	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thick</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Ex (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase	
Max Fx	MC ASCE(2.4.1.7)WAY	30	11		1	0.11	0.13	-0.23	6.18	5.92	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	12		1	-3.54	0.00	1.14	-46.43	0.14	0.00
Max Fy	MC ASCE(2.4.1.5)WXB	21	12		1	-0.80	0.15	-0.25	9.66	6.57	0.00
Min Fy	MC ASCE(2.4.1.7)WXA	28	11		1	-0.40	-0.18	0.66	-26.38	-7.48	0.00
Max Fz	MC ASCE(2.4.1.6)WXA	24	11		1	-2.80	-0.13	1.31	-52.85	-5.50	0.00
Min Fz	MC ASCE(2.4.1.7)WXB	29	12		1	-0.48	0.15	-0.33	13.18	6.56	0.00
Max Mx	MC ASCE(2.4.1.5)WAY	22	11		1	-0.21	0.13	-0.14	2.67	5.93	0.00
Min Mx	MC ASCE(2.4.1.7)WAY	30	12		1	0.11	0.13	-0.28	14.05	5.11	0.00
Max My	MC ASCE(2.4.1.7)WAY	30	12		1	0.11	0.13	-0.28	14.05	5.11	0.00
Min My	MC ASCE(2.4.1.6)WXA	24	11		1	-2.80	-0.13	1.31	-52.85	-5.50	0.00
Max Mz	MC ASCE(2.4.1.5)WXB	21	12		1	-0.80	0.15	-0.25	9.66	6.57	0.00
Min Mz	MC ASCE(2.4.1.7)WXA	28	11		1	-0.40	-0.18	0.66	-26.38	-7.48	0.00

**End Plate Connection Results**

Label	C. Num	Fh	Fy	My	Tn(Ksi)		Vu(Ksi)		Req. Size(in)	Mu(K-in)	Rqd. T(in)	Act. T(in)	Che
					Bolt Weld	Bolt Weld	Tn Bolt Weld	Vn Bolt Weld					
Max Fx	30	-0.01	0.29	6.18	8.88	0.47	43.99	21.00	0.28	0.11	0.13	0.38	True
					2.83	0.11	21.00	21.00	0.02		0.00	0.00	
Min Fx	19	-2.50	2.75	-46.43	34.01	4.48	42.99	21.00	0.56	0.43	0.26	0.38	True
					10.98	1.07	21.00	21.00	0.07		0.00	0.00	
Max Fy	21	-0.67	0.52	9.66	12.31	0.85	43.96	21.00	0.33	0.16	0.16	0.38	True
					4.00	0.20	21.00	21.00	0.02		0.00	0.00	
Min Fy	28	-0.16	0.78	-26.38	24.08	1.27	43.92	21.00	0.46	0.31	0.22	0.38	True
					7.60	0.30	21.00	21.00	0.05		0.00	0.00	
Max Fz	24	-1.89	2.45	-52.85	42.11	3.99	43.20	21.00	0.62	0.54	0.29	0.38	True
					13.46	0.96	21.00	21.00	0.08		0.00	0.00	
Min Fz	29	-0.45	0.40	13.18	14.53	0.66	43.98	21.00	0.36	0.19	0.17	0.38	True
					4.66	0.16	21.00	21.00	0.03		0.00	0.00	
Max Mx	22	-0.24	0.15	2.67	6.66	0.25	44.00	21.00	0.24	0.09	0.12	0.38	True
					2.17	0.06	21.00	21.00	0.01		0.00	0.00	
Min Mx	30	-0.01	0.33	14.05	13.65	0.53	43.99	21.00	0.35	0.17	0.17	0.38	True
					4.31	0.13	21.00	21.00	0.03		0.00	0.00	
Max My	30	-0.01	0.33	14.05	13.65	0.53	43.99	21.00	0.35	0.17	0.17	0.38	True
					4.31	0.13	21.00	21.00	0.03		0.00	0.00	
Min My	24	-1.89	2.45	-52.85	42.11	3.99	43.20	21.00	0.62	0.54	0.29	0.38	True
					13.46	0.96	21.00	21.00	0.08		0.00	0.00	
Max Mz	21	-0.67	0.52	9.66	12.31	0.85	43.96	21.00	0.33	0.16	0.16	0.38	True
					4.00	0.20	21.00	21.00	0.02		0.00	0.00	
Min Mz	28	-0.16	0.78	-26.38	24.08	1.27	43.92	21.00	0.46	0.31	0.22	0.38	True
					7.60	0.30	21.00	21.00	0.05		0.00	0.00	

CONNECTION DESIGN

**TB2 J end - End Plate Connection**

END PLATE	<b>Depth of Cut (in)</b>	6.00	<b>Length (in)</b>	6.00	<b>Bolt Count</b>	<b>Weld Size (i)</b>	0.13
	<b>Width of cut (in)</b>	4.24	<b>Width (in)</b>	4.50	<b>Bolt Size (in)</b>	0.63	<b>Weld T</b> Square
			<b>Thick (in)</b>	0.38	<b>Vert. Spread(in)</b>	2.50	
			<b>Angle (deg)</b>	90.00	<b>Hor. Spread(in)</b>	0.00	
			<b>Fu (ksi)</b>	65.00	<b>Flange Thic</b>	0.00	
			<b>Fy (ksi)</b>	50.00			

**Design Envelope**

Label	C. Name	C. Num	Rbt. Bar Num.	Location	Ex (K)	Fy (K)	Fz (K)	My (K-in)	Mz (K-in)	Allow. Increase	
Max Fx	MC ASCE(2.4.1.7)WAY	30	11		5	0.11	-0.13	0.28	14.05	5.11	0.00
Min Fx	MC ASCE(2.4.1.3)S	19	12		5	-3.54	0.00	-1.14	-46.43	0.14	0.00
Max Fy	MC ASCE(2.4.1.5)WXA	20	11		5	-0.71	0.18	-0.75	-29.89	-7.47	0.00
Min Fy	MC ASCE(2.4.1.7)WXB	29	12		5	-0.48	-0.15	0.33	13.18	6.56	0.00
Max Fz	MC ASCE(2.4.1.7)WXB	29	12		5	-0.48	-0.15	0.33	13.18	6.56	0.00
Min Fz	MC ASCE(2.4.1.6)WXA	24	11		5	-2.80	0.13	-1.31	-52.85	-5.50	0.00
Max Mx	MC ASCE(2.4.1.5)WAY	22	11		5	-0.21	-0.13	0.20	10.53	5.12	0.00
Min Mx	MC ASCE(2.4.1.7)WAY	30	12		5	0.11	-0.13	0.23	6.18	5.92	0.00
Max My	MC ASCE(2.4.1.7)WAY	30	11		5	0.11	-0.13	0.28	14.05	5.11	0.00
Min My	MC ASCE(2.4.1.6)WXA	24	11		5	-2.80	0.13	-1.31	-52.85	-5.50	0.00
Max Mz	MC ASCE(2.4.1.5)WXB	21	12		5	-0.80	-0.15	0.25	9.66	6.57	0.00
Min Mz	MC ASCE(2.4.1.7)WXA	28	11		5	-0.40	0.18	-0.66	-26.38	-7.48	0.00

**End Plate Connection Results**

Label	C. Num	Fh	Fv	My	Tn(Ksi)		Vu(Ksi)		Req. Size(in)	Mu(K-in)	Rqd. T(in)	Act. T(in)	Che
					Bolt Weld	Bolt Weld	Tn Bolt Weld	Vn Bolt Weld					
Max Fx	30	-0.01	0.33	14.05	13.65	0.53	43.99	21.00	0.35	0.17	0.17	0.38	True
					4.31	0.13	21.00	21.00	0.03		0.00	0.00	
Min Fx	19	-2.50	2.75	-46.43	34.01	4.48	42.99	21.00	0.56	0.43	0.26	0.38	True
					10.98	1.07	21.00	21.00	0.07		0.00	0.00	
Max Fy	20	-0.37	0.98	29.89	26.66	1.60	43.87	21.00	0.49	0.34	0.23	0.38	True
					8.44	0.38	21.00	21.00	0.05		0.00	0.00	
Min Fy	29	-0.45	0.40	13.18	14.53	0.66	43.98	21.00	0.36	0.19	0.17	0.38	True
					4.66	0.16	21.00	21.00	0.03		0.00	0.00	
Max Fz	29	-0.45	0.40	13.18	14.53	0.66	43.98	21.00	0.36	0.19	0.17	0.38	True
					4.66	0.16	21.00	21.00	0.03		0.00	0.00	
Min Fz	24	-1.89	2.45	-52.85	42.11	3.99	43.20	21.00	0.62	0.54	0.29	0.38	True
					13.46	0.96	21.00	21.00	0.08		0.00	0.00	
Max Mx	22	-0.24	0.21	10.53	11.42	0.34	43.99	21.00	0.32	0.15	0.15	0.38	True
					3.65	0.08	21.00	21.00	0.02		0.00	0.00	
Min Mx	30	-0.01	0.29	6.18	8.88	0.47	43.99	21.00	0.28	0.11	0.13	0.38	True
					2.83	0.11	21.00	21.00	0.02		0.00	0.00	
Max My	30	-0.01	0.33	14.05	13.65	0.53	43.99	21.00	0.35	0.17	0.17	0.38	True
					4.31	-0.13	21.00	21.00	0.03		0.00	0.00	
Min My	24	-1.89	2.45	-52.85	42.11	3.99	43.20	21.00	0.62	0.54	0.29	0.38	True
					13.46	0.96	21.00	21.00	0.08		0.00	0.00	
Max Mz	21	-0.67	0.52	9.66	12.31	0.85	43.96	21.00	0.33	0.16	0.16	0.38	True
					4.00	0.20	21.00	21.00	0.02		0.00	0.00	
Min Mz	28	-0.16	0.78	26.38	24.08	1.27	43.92	21.00	0.46	0.31	0.22	0.38	True
					7.60	0.30	21.00	21.00	0.05		0.00	0.00	



## Multi-Rib

Bare Galvalume & Painted Galvalume



SECTION PROPERTIES						TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (ksi)	WEIGHT (psf)	V <sub>a</sub> (kip/ft.)	P <sub>a, end</sub> (lbs/ft.)	P <sub>a, int</sub> (lbs/ft.)	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>x</sub> (in. <sup>3</sup> /ft.)	M <sub>o</sub> (kip-in./ft.)	I <sub>y</sub> (in. <sup>4</sup> /ft.)	S <sub>y</sub> (in. <sup>3</sup> /ft.)	M <sub>o</sub> (kip-in./ft.)
24	50.0	1.10	0.7727	235.0	320.8	0.050	0.055	1.375	0.029	0.046	1.148

1. Section properties are calculated in accordance with the 2016 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V<sub>a</sub> is the allowable shear.
3. P<sub>a</sub> is the allowable load for web crippling on end & interior supports.
4. I<sub>x</sub> is for deflection determination.
5. S<sub>x</sub> is for bending.
6. M<sub>o</sub> is the allowable bending moment.
7. All values are for one foot of panel width.

### Allowable Uniform Loads (PSF)

Span Type		Span in Feet															
		1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
Single	Positive Wind	407	229	146	101	74	57	45	36	30	25	21	18	16	14	12	11
	Negative Wind	340	191	122	85	62	47	37	30	25	21	18	15	13	11	10	9
	Live	407	229	146	101	74	57	45	36	30	25	21	18	16	14	12	11
	Deflection (L/180)	500	500	279	181	101	68	47	34	26	20	15	12	10	8	7	5
	Deflection (L/240)	500	408	209	121	76	51	35	28	19	15	11	9	7	6	5	4
2 Span	Positive Wind	314	182	118	83	61	47	37	30	25	21	18	15	13	11	10	9
	Negative Wind	365	214	140	98	73	56	44	36	30	25	21	18	16	14	12	11
	Live	314	182	118	83	61	47	37	30	25	21	18	15	13	11	10	9
	Deflection (L/180)	500	500	500	309	194	130	91	66	50	38	30	24	19	16	13	11
	Deflection (L/240)	500	500	400	231	146	97	68	50	37	28	22	18	14	12	10	8
3 Span	Positive Wind	380	224	146	103	76	58	46	37	31	26	22	19	16	14	13	11
	Negative Wind	438	261	172	122	90	68	55	45	37	31	26	23	20	17	15	14
	Live	380	224	146	103	76	58	46	37	31	26	22	19	16	14	13	11
	Deflection (L/180)	500	500	418	242	152	102	71	52	39	30	23	19	15	12	10	8
	Deflection (L/240)	500	500	314	181	114	76	53	39	29	22	17	14	11	8	7	6
4 Span	Positive Wind	359	210	137	96	71	54	43	35	29	24	21	18	15	13	12	10
	Negative Wind	414	246	162	114	84	65	51	42	34	29	25	21	18	16	14	13
	Live	359	210	137	96	71	54	43	35	29	24	21	18	15	13	12	10
	Deflection (L/180)	500	500	444	257	161	108	76	55	41	32	25	20	16	13	11	9
	Deflection (L/240)	500	500	333	192	121	81	57	41	31	24	18	15	12	10	8	7

**Notes:**

1. Allowable uniform loads are based upon equal span lengths.
2. Live is the allowable live or snow load.
3. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
4. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
5. The weight of the panel has **NOT** been deducted from the allowable loads.
6. Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. H2-1 of the AISI Specification
7. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
8. Web crippling values are determined using a ratio of the uniform load actually supported by the top flanges of the section.
9. Load Tables are limited to a maximum allowable load of 500 psf.

**TITLE PAGE**

Project: RH18X27-10M-P4-20-105-33

Author :

Autodesk Robot Structural Analysis Professional 2021 Author: Address:	File: RH18X27-10M-P4-20-105-33.rtd Project: RH18X27-10M-P4-20-105-33
<b>Structure view</b>	
	
Date: 31/05/24	Page: 1

Autodesk Robot Structural Analysis Professional 2021  
 Author: [Redacted]  
 Address: [Redacted]

File: R:\19X27-10M-P420-105-33.rtd  
 Project: R\19X27-10M-P420-105-33

**Section properties:**

**Section properties:**

HSRE 5x3x0.125



HY=3.00, HZ=5.00 [m]  
 AX=2.000 [m<sup>2</sup>]  
 IX=7.730, IY=9.430, IZ=3.230 [m<sup>4</sup>]  
 Material=STEEL

HSSQ 5x5x0.125



HY=5.00, HZ=5.00 [m]  
 AX=2.230 [m<sup>2</sup>]  
 IX=13.700, IY=8.800, IZ=8.600 [m<sup>4</sup>]  
 Material=STEEL

HSSQ 5x5x0.1675



HY=5.00, HZ=5.00 [m]  
 AX=3.280 [m<sup>2</sup>]  
 IX=19.900, IY=12.600, IZ=12.600 [m<sup>4</sup>]  
 Material=STEEL

HSSQ 4x4x0.125

Date: 3/1/2024 Page: 3

Autodesk Robot Structural Analysis Professional 2021  
 Author: [Redacted]  
 Address: [Redacted]

File: R:\19X27-10M-P420-105-33.rtd  
 Project: R\19X27-10M-P420-105-33



HY=4.00, HZ=4.00 [m]  
 AX=1.770 [m<sup>2</sup>]  
 IX=5.910, IY=4.400, IZ=4.400 [m<sup>4</sup>]  
 Material=STEEL

HSRE 5x3x0.125



HY=3.00, HZ=5.00 [m]  
 AX=1.770 [m<sup>2</sup>]  
 IX=5.020, IY=6.930, IZ=2.750 [m<sup>4</sup>]  
 Material=STEEL

Date: 3/1/2024 Page: 4

**Bars**

Bar	Node 1	Node 2	Section	Material	Length (m)	Gamma (Deg)	Type	Structure object
1	11	5	H300 5x-3x0 1075	STEEL	11.00	325.0	Simple bar	Bar
2	2	6	H300 5x-3x0 1075	STEEL	11.00	315.0	Simple bar	Bar
3	3	7	H300 5x-3x0 1075	STEEL	11.00	110.0	Simple bar	Bar
4	4	8	H300 5x-3x0 1075	STEEL	11.00	45.0	Simple bar	Bar
5	9	13	H300 5x-3x0 125	STEEL	10.17	0.0	Simple bar	Bar
6	6	12	H300 5x-3x0 125	STEEL	10.17	0.0	Simple bar	Bar
7	7	14	H300 5x-3x0 125	STEEL	10.17	0.0	Simple bar	Bar
8	8	14	H300 5x-3x0 125	STEEL	10.17	0.0	Simple bar	Bar
9	9	9	H300 5x-3x0 125	STEEL	14.00	0.0	Simple bar	Bar
10	8	7	H300 5x-3x0 125	STEEL	14.00	0.0	Simple bar	Bar
11	9	5	H300 5x-3x0 125	STEEL	20.00	0.0	Simple bar	Bar
12	8	5	H300 5x-3x0 125	STEEL	20.00	0.0	Simple bar	Bar
13	14	13	H300 5x-3x0 125	STEEL	9.00	0.0	Simple bar	Bar
14	8	10	H300 4x-4x0 125	STEEL	7.00	19.4	Simple bar	Bar
15	12	11	H300 4x-4x0 125	STEEL	7.00	15.4	Simple bar	Bar
16	11	9	H300 4x-4x0 125	STEEL	10.00	19.4	Simple bar	Bar
17	10	12	H300 4x-4x0 125	STEEL	10.00	19.4	Simple bar	Bar
18	3	15	H300 5x-3x0 125	STEEL	3.91	90.0	Simple bar	Bar
19	4	16	H300 5x-3x0 125	STEEL	4.01	90.0	Simple bar	Bar
20	7	17	H300 5x-3x0 125	STEEL	2.91	90.0	Simple bar	Bar
21	8	18	H300 5x-3x0 125	STEEL	2.91	90.0	Simple bar	Bar

**loads**

Case	Load type	List	Load values
1	self-weight	10001	PZ: negative Factor=1.0000
2	bar force	10001	FZ=0.0000px=0.50 rotate
2	uniform load	10012	PZ=3.520000
2	uniform load	10017	PZ=3.520000
2	uniform load	10017	PZ=3.520000
2	nodal force	10	FZ=1.400000
2	nodal force	14	FZ=1.400000
2	bar force	10021	FZ=0.0000px=0.50 rotate
2	uniform load	10012	PZ=4.020000
2	uniform load	10017	PZ=3.520000
2	uniform load	10	FZ=2.310000
2	nodal force	10	FZ=1.400000
2	nodal force	14	FZ=1.400000
2	bar force	10020	FZ=0.0000px=0.00 beta=19.40deg rotate
4	uniform load	10	FZ=4.250000 beta=18.40deg
4	uniform load	10	FZ=3.710000 beta=18.40deg
4	uniform load	10	FZ=1.530000 beta=18.40deg
5	bar force	10021	FZ=2.0000px=0.20 beta=18.40deg rotate
5	uniform load	10	PZ=4.250000 beta=18.40deg
5	uniform load	10	PZ=3.710000 beta=18.40deg
5	uniform load	10	PZ=1.530000 beta=18.40deg
6	bar force	10019	FZ=2.0000px=0.50 gamma=19.40deg rotate
6	uniform load	9	PZ=4.250000 gamma=19.40deg
6	uniform load	9	PZ=3.710000 gamma=19.40deg
6	nodal force	10	FZ=1.530000 gamma=18.40deg
7	bar force	20021	FZ=0.0000px=0.50 gamma=19.40deg rotate
7	uniform load	10	PZ=4.250000 gamma=19.40deg
7	uniform load	10	PZ=3.710000 gamma=19.40deg
7	nodal force	14	FZ=1.530000 gamma=18.40deg
8	bar force	10021	FZ=0.0000px=0.50 rotate
8	uniform load	10012	PZ=4.020000
8	uniform load	10017	PZ=3.520000
8	uniform load	10	PZ=2.310000
8	nodal force	10	FZ=1.400000
8	nodal force	14	FZ=1.400000
8	bar force	10021	FZ=0.0000px=0.50 rotate
9	uniform load	10012	PZ=4.020000
9	uniform load	10017	PZ=3.520000
9	uniform load	10	PZ=2.310000
9	nodal force	10	FZ=1.400000
9	nodal force	14	FZ=1.400000

**Combinations**

Combinations	Name	Analysis type	Combination type	Case nature	Definition
10 (C)	SD	Linear Combination	ULS	dead	$1 \cdot 1.0000 + 2 \cdot 0.0000$
11 (C)	SD	Linear Combination	ULS	dead	$3 \cdot 0.0000$
12 (C)	3MY1	Linear Combination	ULS	dead	$4 \cdot 0.0000 + 5 \cdot 0.0000 + 6 \cdot 0.0000 + 7 \cdot 0.0000$
13 (C)	3MY2	Linear Combination	ULS	dead	$4 \cdot 0.0000 + 5 \cdot 0.0000 + 6 \cdot 0.0000 + 7 \cdot 0.0000$
14 (C)	3MY1	Linear Combination	ULS	dead	$11 \cdot 0.0000 + 12 \cdot 0.0000 + 13 \cdot 0.0000$
15 (C)	3MY2	Linear Combination	ULS	dead	$14 \cdot 0.0000 + 15 \cdot 0.0000 + 16 \cdot 0.0000 + 17 \cdot 0.0000$
16 (C)	3MY3	Linear Combination	ULS	dead	$18 \cdot 0.0000$
17 (C)	3MY4	Linear Combination	ULS	dead	$19 \cdot 0.0000$
18 (C)	MCJASCE2.4-1.1D	Linear Combination	ULS	dead	$10 \cdot 1.0000$
19 (C)	MCJASCE2.4-1.3E	Linear Combination	ULS	dead	$11 \cdot 11 \cdot 1.0000$
20 (C)	MCJASCE2.4-1.5MYA	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 12 \cdot 0.0000$
21 (C)	MCJASCE2.4-1.5MYB	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 13 \cdot 0.0000$
22 (C)	MCJASCE2.4-1.5MYV	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 14 \cdot 0.0000$
23 (C)	MCJASCE2.4-1.5MYX	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 15 \cdot 0.0000$
24 (C)	MCJASCE2.4-1.5MYA	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 12 \cdot 0.0000 + 11 \cdot 0.0000$
25 (C)	MCJASCE2.4-1.5MYB	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 13 \cdot 0.0000 + 11 \cdot 0.0000$
26 (C)	MCJASCE2.4-1.5MYV	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 14 \cdot 0.0000 + 11 \cdot 0.0000$
27 (C)	MCJASCE2.4-1.5MYX	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 15 \cdot 0.0000 + 11 \cdot 0.0000$
28 (C)	MCJASCE2.4-1.7MYA	Linear Combination	ULS	dead	$11 \cdot 11 \cdot 1.0000$
29 (C)	MCJASCE2.4-1.7MYB	Linear Combination	ULS	dead	$11 \cdot 11 \cdot 1.0000$
30 (C)	MCJASCE2.4-1.7MYV	Linear Combination	ULS	dead	$11 \cdot 11 \cdot 1.0000$
31 (C)	MCJASCE2.4-1.7MYX	Linear Combination	ULS	dead	$11 \cdot 11 \cdot 1.0000$
32 (C)	MCJASCE2.4-1.8JEX	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 12 \cdot 0.0000 + 11 \cdot 0.0000$
33 (C)	MCJASCE2.4-1.8JEV	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 13 \cdot 0.0000 + 11 \cdot 0.0000$

Combinations	Name	Analysis type	Combination type	Case nature	Definition
34 (C)	MCJASCE2.4-1.9JEX	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 14 \cdot 0.0000 + 11 \cdot 0.0000 + 12 \cdot 0.0000$
35 (C)	MCJASCE2.4-1.9JEV	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 15 \cdot 0.0000 + 11 \cdot 0.0000 + 13 \cdot 0.0000$
36 (C)	MCJASCE2.4-1.10EX	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 16 \cdot 0.0000 + 11 \cdot 0.0000 + 12 \cdot 0.0000$
37 (C)	MCJASCE2.4-1.10EV	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 17 \cdot 0.0000 + 11 \cdot 0.0000 + 13 \cdot 0.0000$
38 (C)	BIASCE2.3-1.1E	Linear Combination	ULS	dead	$10 \cdot 1.0000$
39 (C)	BIASCE2.3-1.2E	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 11 \cdot 0.0000$
40 (C)	BIASCE2.3-1.3MYA	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 11 \cdot 0.0000 + 12 \cdot 0.0000$
41 (C)	BIASCE2.3-1.3MYB	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 11 \cdot 0.0000 + 13 \cdot 0.0000$
42 (C)	BIASCE2.3-1.3MYV	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 11 \cdot 0.0000 + 14 \cdot 0.0000$
43 (C)	BIASCE2.3-1.3MYX	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 11 \cdot 0.0000 + 15 \cdot 0.0000$
44 (C)	BIASCE2.3-1.4MYA	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 12 \cdot 0.0000 + 11 \cdot 0.0000$
45 (C)	BIASCE2.3-1.4MYB	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 13 \cdot 0.0000 + 11 \cdot 0.0000$
46 (C)	BIASCE2.3-1.4MYV	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 14 \cdot 0.0000 + 11 \cdot 0.0000$
47 (C)	BIASCE2.3-1.4MYX	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 15 \cdot 0.0000 + 11 \cdot 0.0000$
48 (C)	BIASCE2.3-1.5MYA	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 16 \cdot 0.0000 + 11 \cdot 0.0000$
49 (C)	BIASCE2.3-1.5MYB	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 17 \cdot 0.0000 + 11 \cdot 0.0000$
50 (C)	BIASCE2.3-1.5MYV	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 18 \cdot 0.0000 + 11 \cdot 0.0000$
51 (C)	BIASCE2.3-1.5MYX	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 19 \cdot 0.0000 + 11 \cdot 0.0000$
52 (C)	BIASCE2.3-1.6JEX	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 12 \cdot 0.0000 + 11 \cdot 0.0000 + 12 \cdot 0.0000$
53 (C)	BIASCE2.3-1.6JEV	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 13 \cdot 0.0000 + 11 \cdot 0.0000 + 13 \cdot 0.0000$
54 (C)	BIASCE2.3-1.7EX	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 14 \cdot 0.0000 + 11 \cdot 0.0000 + 12 \cdot 0.0000$
55 (C)	BIASCE2.3-1.7EV	Linear Combination	ULS	dead	$10 \cdot 1.0000 + 15 \cdot 0.0000 + 11 \cdot 0.0000 + 13 \cdot 0.0000$

Autodesk Robot Structural Analysis Professional 2021  
 Author:  
 Address:

File: RH18X27-10M-P4-20-105-33.rtd  
 Project: RH18X27-10M-P4-20-105-33

View



Reactions

Case/Node	FX (kip)	FZ (kip)	MY (kip-in)
18 (C)/ 1	0.02	0.80	1.05
18 (C)/ 2	-0.02	0.80	-1.05
18 (C)/ 3	0.02	0.80	1.05
18 (C)/ 4	-0.02	0.80	-1.05
19 (C)/ 1	0.11	3.29	4.97
19 (C)/ 2	-0.11	3.29	-4.97
19 (C)/ 3	0.11	3.29	4.97
19 (C)/ 4	-0.11	3.29	-4.97
20 (C)/ 1	-0.22	1.12	-15.66
20 (C)/ 2	0.14	0.67	12.32
20 (C)/ 3	-0.22	1.12	-15.66
20 (C)/ 4	0.14	0.57	-12.32
21 (C)/ 1	-0.05	0.96	-6.90
21 (C)/ 2	-0.22	0.54	-14.48

Date : 31/05/24 Page : 9

Autodesk Robot Structural Analysis Professional 2021  
 Author:  
 Address:

File: RH18X27-10M-P4-20-105-33.rtd  
 Project: RH18X27-10M-P4-20-105-33

Case/Node	FX (kip)	FZ (kip)	MY (kip-in)
21 (C)/ 3	-0.02	0.80	-1.05
21 (C)/ 4	-0.22	0.54	-14.48
22 (C)/ 1	0.12	0.54	5.32
22 (C)/ 2	-0.12	0.54	-5.32
22 (C)/ 3	0.02	0.10	1.08
22 (C)/ 4	-0.02	0.10	-1.08
23 (C)/ 1	0.01	1.45	0.49
23 (C)/ 2	-0.01	1.45	-0.49
23 (C)/ 3	-0.06	1.11	-2.75
23 (C)/ 4	0.28	1.11	2.75
24 (C)/ 1	-0.10	2.99	-6.52
24 (C)/ 2	-0.10	2.48	-12.44
24 (C)/ 3	-0.10	2.81	-6.85
24 (C)/ 4	-0.18	-2.46	-12.44
25 (C)/ 1	0.02	2.75	6.26
25 (C)/ 2	-0.24	2.41	-14.06
25 (C)/ 3	0.02	2.75	6.26
25 (C)/ 4	-0.24	2.47	-14.06
26 (C)/ 1	0.16	2.47	7.19
26 (C)/ 2	-0.16	2.47	-7.19
26 (C)/ 3	0.09	2.14	4.01
26 (C)/ 4	-0.09	2.14	-4.01
27 (C)/ 1	0.08	3.15	3.57
27 (C)/ 2	-0.08	3.15	-3.57
27 (C)/ 3	0.02	2.89	1.14
27 (C)/ 4	-0.02	2.89	-1.14
28 (C)/ 1	-0.23	0.80	-16.08
28 (C)/ 2	-0.13	0.25	-11.90
28 (C)/ 3	-0.23	0.80	-16.08
28 (C)/ 4	-0.13	0.25	-11.90
29 (C)/ 1	-0.06	0.64	-7.32
29 (C)/ 2	-0.22	0.22	-14.06
29 (C)/ 3	-0.06	0.64	-7.32
29 (C)/ 4	-0.22	0.22	-14.06
30 (C)/ 1	0.11	0.22	4.90
30 (C)/ 2	0.11	0.22	4.90
30 (C)/ 3	0.02	-0.72	0.66
30 (C)/ 4	-0.02	-0.72	-0.66
31 (C)/ 1	-0.00	1.13	0.07
31 (C)/ 2	0.00	1.13	-0.07
31 (C)/ 3	-0.07	0.79	-3.17
31 (C)/ 4	0.07	0.79	3.17
32 (C)/ 1	-0.14	0.70	-11.45
32 (C)/ 2	0.18	0.64	13.62
32 (C)/ 3	-0.14	0.74	-11.32
32 (C)/ 4	-0.19	0.88	-13.65
33 (C)/ 1	-0.03	0.74	-2.86
33 (C)/ 2	-0.07	0.81	-4.63
33 (C)/ 3	-0.02	0.87	-2.43

Date : 31/05/24 Page : 10

Autodesk Robot Structural Analysis Professional 2021			
Author:	File: R\H19X27-10M-P4-20-105-33.rtd		
Address:	Project: R\H19X27-10M-P4-20-105-33		
Case/Node	FX (kip)	FZ (kip)	MY (kip-in)
33 (C) 4	-0.20	3.94	-0.30
34 (C) 1	-0.04	2.99	-0.39
34 (C) 2	-0.25	2.77	-13.54
34 (C) 3	-0.05	3.62	-0.28
34 (C) 4	-0.25	2.89	-13.46
35 (C) 1	-0.06	3.52	-0.26
35 (C) 2	-0.12	3.67	-6.67
35 (C) 3	0.06	3.72	7.37
35 (C) 4	-0.13	2.77	-6.39
36 (C) 1	-0.15	0.31	-11.97
36 (C) 2	-0.17	0.56	-13.08
36 (C) 3	-0.15	0.35	-11.84
36 (C) 4	-0.16	0.59	-13.13
37 (C) 1	-0.04	0.34	-3.35
37 (C) 2	-0.06	0.41	-4.12
37 (C) 3	-0.03	0.41	-3.96
37 (C) 4	-0.07	0.54	-4.56

**forces**

Bar/Node/Case	FX (kip)	FY (kip)
1/1/18 (C)	0.90	-0.04
1/1/19 (C)	1.28	-0.21
1/1/20 (C)	1.12	-0.30
1/1/21 (C)	0.95	-0.09
1/1/22 (C)	0.94	-0.20
1/1/23 (C)	1.45	-0.10
1/1/24 (C)	0.91	-0.41
1/1/25 (C)	2.79	-0.21
1/1/26 (C)	2.47	-0.01
1/1/27 (C)	0.19	-0.22
1/1/28 (C)	0.60	-0.54
1/1/29 (C)	0.64	-0.07
1/1/30 (C)	0.23	-0.22
1/1/31 (C)	1.13	-0.08
1/1/32 (C)	0.70	-0.12
1/1/33 (C)	0.76	0.04
1/1/34 (C)	2.08	-0.23
1/1/35 (C)	2.62	-0.11
1/1/36 (C)	0.01	-0.10
1/1/37 (C)	0.38	0.06
1/5/18 (C)	0.09	-0.04
1/5/19 (C)	3.16	-0.21
1/5/20 (C)	1.93	-0.20

Date: 31/05/24 Page 11

Autodesk Robot Structural Analysis Professional 2021			
Author:	File: R\H19X27-10M-P4-20-105-33.rtd		
Address:	Project: R\H19X27-10M-P4-20-105-33		
Bar/Node/Case	FX (kip)	FY (kip)	
1/5/21 (C)	0.94	-0.08	
1/5/22 (C)	0.42	0.20	
1/5/23 (C)	1.30	-0.16	
1/5/24 (C)	2.19	-0.41	
1/5/25 (C)	2.66	-0.21	
1/5/26 (C)	2.26	0.01	
1/5/27 (C)	3.00	-0.22	
1/5/28 (C)	0.13	-0.34	
1/5/29 (C)	0.57	-0.57	
1/5/30 (C)	0.15	0.32	
1/5/31 (C)	1.09	-0.09	
1/5/32 (C)	0.57	-0.12	
1/5/33 (C)	0.61	0.04	
1/5/34 (C)	2.46	-0.22	
1/5/35 (C)	2.49	-0.11	
1/5/36 (C)	0.24	-0.16	
1/5/37 (C)	0.27	0.06	
2/2/18 (C)	0.68	0.04	
2/2/19 (C)	0.28	0.21	
2/2/20 (C)	0.57	-0.06	
2/2/21 (C)	0.54	-0.20	
2/2/22 (C)	0.54	-0.25	
2/2/23 (C)	1.42	0.19	
2/2/24 (C)	2.43	0.00	
2/2/25 (C)	2.41	-0.01	
2/2/26 (C)	2.47	-0.01	
2/2/27 (C)	3.19	0.25	
2/2/28 (C)	0.25	-0.09	
2/2/29 (C)	0.22	-0.26	
2/2/30 (C)	0.22	-0.22	
2/2/31 (C)	1.13	0.09	
2/2/32 (C)	0.94	-0.16	
2/2/33 (C)	0.91	-0.19	
2/2/34 (C)	2.77	-0.06	
2/2/35 (C)	2.67	0.06	
2/2/36 (C)	0.34	-0.12	
2/2/37 (C)	0.41	-0.12	
2/6/18 (C)	0.68	0.04	
2/6/19 (C)	3.16	0.01	
2/6/20 (C)	0.44	-0.06	
2/6/21 (C)	0.41	-0.23	
2/6/22 (C)	0.42	-0.20	
2/6/23 (C)	0.42	-0.19	
2/6/24 (C)	3.07	-0.08	
2/6/25 (C)	3.04	-0.02	
2/6/26 (C)	2.26	-0.01	
2/6/27 (C)	3.03	0.22	
2/6/28 (C)	0.17	-0.08	
2/6/29 (C)	0.14	-0.25	

Date: 31/05/24 Page 12

Autodesk Robot Structural Analysis Professional 2021		File: R\18\27-10M-P4-20-105-33.rtd	
Author:		Project: R\18\27-10M-P4-20-105-33	
Address:			
Bar/Node/Case		FX (kip)	FY (kip)
2/6/30 (C)		0.15	-0.22
2/6/31 (C)		1.05	-0.09
2/6/32 (C)		0.01	-0.10
2/6/33 (C)		0.68	-0.19
2/6/34 (C)		2.85	-0.06
2/6/35 (C)		2.56	-0.05
2/6/36 (C)		0.47	-0.12
2/6/37 (C)		0.26	-0.12
3/3/18 (C)		0.93	0.34
3/3/19 (C)		3.29	0.21
3/3/20 (C)		1.12	0.26
3/3/21 (C)		0.86	-0.28
3/3/22 (C)		0.10	0.09
3/3/23 (C)		1.11	0.26
3/3/24 (C)		2.91	0.41
3/3/25 (C)		2.79	0.21
3/3/26 (C)		2.14	0.14
3/3/27 (C)		2.80	0.81
3/3/28 (C)		0.80	0.34
3/3/29 (C)		0.68	0.07
3/3/30 (C)		-0.22	-0.02
3/3/31 (C)		0.19	0.24
3/3/32 (C)		0.74	-0.19
3/3/33 (C)		0.67	0.19
3/3/34 (C)		2.62	0.20
3/3/35 (C)		2.20	0.39
3/3/36 (C)		0.55	-0.17
3/3/37 (C)		0.47	0.13
3/7/18 (C)		0.60	0.04
3/7/19 (C)		1.16	-0.21
3/7/20 (C)		1.00	0.26
3/7/21 (C)		0.94	0.09
3/7/22 (C)		-0.02	-0.03
3/7/23 (C)		0.80	-0.26
3/7/24 (C)		2.78	0.41
3/7/25 (C)		2.80	0.21
3/7/26 (C)		2.02	0.14
3/7/27 (C)		2.17	0.23
3/7/28 (C)		0.73	0.34
3/7/29 (C)		0.57	0.07
3/7/30 (C)		-0.20	-0.02
3/7/31 (C)		0.71	0.24
3/7/32 (C)		0.81	0.18
3/7/33 (C)		0.74	0.19
3/7/34 (C)		2.43	0.28
3/7/35 (C)		2.59	0.28
3/7/36 (C)		0.20	0.17
3/7/37 (C)		0.41	0.17
4/4/18 (C)		0.61	-0.04

Date: 3/10/24 Page 13

Autodesk Robot Structural Analysis Professional 2021		File: R\18\27-10M-P4-20-105-33.rtd	
Author:		Project: R\18\27-10M-P4-20-105-33	
Address:			
Bar/Node/Case		FX (kip)	FY (kip)
4/4/18 (C)		3.28	-0.21
4/4/20 (C)		0.57	0.08
4/4/21 (C)		0.54	0.25
4/4/22 (C)		0.10	-0.03
4/4/23 (C)		1.11	-0.26
4/4/24 (C)		2.49	-0.05
4/4/25 (C)		2.47	0.09
4/4/26 (C)		3.14	-0.14
4/4/27 (C)		2.88	-0.23
4/4/28 (C)		0.28	0.06
4/4/29 (C)		0.22	0.28
4/4/30 (C)		-0.22	0.02
4/4/31 (C)		0.79	-0.24
4/4/32 (C)		0.88	-0.02
4/4/33 (C)		0.54	-0.12
4/4/34 (C)		2.80	-0.11
4/4/35 (C)		2.77	-0.21
4/4/36 (C)		0.58	0.05
4/4/37 (C)		0.54	-0.10
4/8/18 (C)		0.65	-0.04
4/8/19 (C)		3.15	-0.21
4/8/20 (C)		0.64	0.08
4/8/21 (C)		0.41	0.23
4/8/22 (C)		-0.02	-0.00
4/8/23 (C)		0.98	-0.28
4/8/24 (C)		2.87	-0.08
4/8/25 (C)		1.34	0.02
4/8/26 (C)		3.02	-0.14
4/8/27 (C)		3.77	-0.23
4/8/28 (C)		0.17	0.08
4/8/29 (C)		0.14	0.25
4/8/30 (C)		-0.28	0.05
4/8/31 (C)		0.71	-0.24
4/8/32 (C)		0.68	-0.03
4/8/33 (C)		0.81	-0.12
4/8/34 (C)		2.87	-0.13
4/8/35 (C)		2.64	-0.23
4/8/36 (C)		0.81	0.05
4/8/37 (C)		2.48	-0.10
5/5/18 (C)		1.28	0.03
5/5/19 (C)		5.71	0.02
5/5/20 (C)		1.47	-0.09
5/5/21 (C)		0.84	0.07
5/5/22 (C)		3.14	-0.11
5/5/23 (C)		2.52	-0.16
5/5/24 (C)		4.75	-0.06
5/5/25 (C)		4.28	0.06
5/5/26 (C)		2.76	0.08
5/5/27 (C)		2.58	-0.06

Date: 3/10/24 Page 14

Autodesk Robot Structural Analysis Professional 2021		File: R818X27-10M-P4-20-106-33.rtd	
Author:		Project: R818X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FX (kip)	FY (kip)	
5/5/28 (C)	0.94	-0.08	
5/5/29 (C)	0.34	-0.07	
5/5/30 (C)	-0.36	0.11	
5/5/31 (C)	1.82	-0.19	
5/5/32 (C)	1.16	-0.05	
5/5/33 (C)	0.19	-0.01	
5/5/34 (C)	2.82	-0.01	
5/5/36 (C)	4.84	0.01	
5/5/38 (C)	0.24	-0.03	
5/5/37 (C)	0.85	0.00	
5/13/18 (C)	0.66	-0.01	
5/13/19 (C)	1.86	0.01	
5/13/20 (C)	0.59	0.01	
5/13/21 (C)	0.10	-0.05	
5/13/22 (C)	0.01	-0.04	
5/13/23 (C)	0.90	0.08	
5/13/24 (C)	1.87	0.01	
5/13/25 (C)	1.80	-0.08	
5/13/26 (C)	1.16	-0.02	
5/13/27 (C)	1.84	0.04	
5/13/28 (C)	0.81	0.01	
5/13/29 (C)	-0.03	-0.05	
5/13/30 (C)	-0.19	-0.04	
5/13/31 (C)	0.72	0.04	
5/13/32 (C)	0.82	0.00	
5/13/33 (C)	0.85	0.00	
5/13/34 (C)	1.56	0.01	
5/13/35 (C)	1.91	0.01	
5/13/36 (C)	-0.08	0.00	
5/13/37 (C)	0.23	-0.00	
6/6/18 (C)	1.26	-0.00	
6/6/19 (C)	0.71	-0.02	
6/6/20 (C)	1.63	-0.00	
6/6/21 (C)	1.01	-0.10	
6/6/22 (C)	0.14	-0.11	
6/6/23 (C)	2.22	0.10	
6/6/24 (C)	-4.92	-0.03	
6/6/25 (C)	-4.41	-0.00	
6/6/26 (C)	0.16	-0.00	
6/6/27 (C)	5.38	0.06	
6/6/28 (C)	1.10	0.00	
6/6/29 (C)	0.51	-0.00	
6/6/30 (C)	-0.06	-0.11	
6/6/31 (C)	0.82	0.10	
6/6/32 (C)	0.43	-0.08	
6/6/33 (C)	1.26	-0.00	
6/6/34 (C)	-4.72	-0.04	
6/6/35 (C)	-0.09	-0.00	
6/6/36 (C)	0.00	-0.04	

Date: 31/05/24 Page: 15

Autodesk Robot Structural Analysis Professional 2021		File: R818X27-10M-P4-20-106-33.rtd	
Author:		Project: R818X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FX (kip)	FY (kip)	
6/13/27 (C)	0.04	-0.00	
6/13/18 (C)	0.48	-0.00	
6/13/19 (C)	1.86	-0.01	
6/13/20 (C)	0.74	-0.00	
6/13/21 (C)	0.20	0.01	
6/13/22 (C)	-0.01	0.04	
6/13/23 (C)	0.00	-0.04	
6/13/24 (C)	1.12	-0.00	
6/13/25 (C)	1.20	0.00	
6/13/26 (C)	1.16	0.00	
6/13/27 (C)	1.84	-0.04	
6/13/28 (C)	0.50	-0.00	
6/13/29 (C)	0.11	0.01	
6/13/30 (C)	-0.10	-0.04	
6/13/31 (C)	0.72	-0.04	
6/13/32 (C)	0.49	-0.00	
6/13/33 (C)	0.40	-0.00	
6/13/34 (C)	1.54	-0.01	
6/13/35 (C)	1.92	-0.01	
6/13/36 (C)	0.27	-0.00	
6/13/37 (C)	0.24	-0.00	
7/7/18 (C)	1.26	-0.00	
7/7/19 (C)	0.71	-0.00	
7/7/20 (C)	0.47	0.00	
7/7/21 (C)	0.04	-0.00	
7/7/22 (C)	0.21	-0.10	
7/7/23 (C)	1.77	0.10	
7/7/24 (C)	-4.75	0.00	
7/7/25 (C)	4.20	-0.00	
7/7/26 (C)	0.00	-0.00	
7/7/27 (C)	0.40	0.00	
7/7/28 (C)	0.00	0.00	
7/7/29 (C)	0.54	-0.00	
7/7/30 (C)	-0.00	-0.10	
7/7/31 (C)	1.07	0.10	
7/7/32 (C)	1.22	0.04	
7/7/33 (C)	1.00	0.00	
7/7/34 (C)	-4.27	0.00	
7/7/35 (C)	-4.00	0.00	
7/7/36 (C)	0.60	0.04	
7/7/37 (C)	0.70	0.00	
7/14/18 (C)	0.40	-0.00	
7/14/19 (C)	0.00	-0.00	
7/14/20 (C)	0.50	-0.01	
7/14/21 (C)	0.10	0.00	
7/14/22 (C)	0.01	0.04	
7/14/23 (C)	0.92	-0.04	
7/14/24 (C)	1.01	-0.01	
7/14/25 (C)	1.00	-0.00	

Date: 31/05/24 Page: 16

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-106-33.rtd	
Author:		Project: RH18X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case		FX (kip)	FY (kip)
7/14/26 (C)		1.18	-0.02
7/14/27 (C)		1.85	-0.04
7/14/28 (C)		0.41	-0.01
7/14/29 (C)		-0.03	0.25
7/14/30 (C)		-0.17	-0.06
7/14/31 (C)		0.73	-0.04
7/14/32 (C)		-0.46	-0.03
7/14/33 (C)		0.43	0.03
7/14/34 (C)		1.31	-0.01
7/14/35 (C)		1.84	-0.03
7/14/36 (C)		0.24	-0.03
7/14/37 (C)		0.27	0.04
8/8/18 (C)		1.20	0.00
8/8/19 (C)		1.71	-0.02
8/8/20 (C)		1.69	-0.06
8/8/21 (C)		1.01	0.10
8/8/22 (C)		0.21	0.10
8/8/23 (C)		3.07	-0.10
8/8/24 (C)		4.92	-0.03
8/8/25 (C)		-1.41	-0.09
8/8/26 (C)		2.88	0.09
8/8/27 (C)		-0.43	-0.07
8/8/28 (C)		1.18	-0.02
8/8/29 (C)		0.81	0.09
8/8/30 (C)		-0.20	0.10
8/8/31 (C)		1.87	-0.15
8/8/32 (C)		1.28	0.04
8/8/33 (C)		1.87	0.03
8/8/34 (C)		4.76	0.04
8/8/35 (C)		4.75	-0.01
8/8/36 (C)		0.86	-0.04
8/8/37 (C)		0.84	0.09
8/14/18 (C)		0.45	-0.01
8/14/19 (C)		1.80	-0.01
8/14/20 (C)		0.76	0.05
8/14/21 (C)		0.30	-0.01
8/14/22 (C)		0.01	-0.04
8/14/23 (C)		0.32	0.04
8/14/24 (C)		1.72	0.05
8/14/25 (C)		1.38	-0.01
8/14/26 (C)		1.18	-0.02
8/14/27 (C)		1.85	-0.04
8/14/28 (C)		-0.56	-0.05
8/14/29 (C)		0.11	-0.01
8/14/30 (C)		-0.17	-0.04
8/14/31 (C)		0.73	0.04
8/14/32 (C)		0.51	0.03
8/14/33 (C)		0.50	-0.01
8/14/34 (C)		-1.52	0.01

Date: 31/05/24 Page: 17

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-106-33.rtd	
Author:		Project: RH18X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case		FX (kip)	FY (kip)
8/14/35 (C)		1.55	-0.02
8/14/36 (C)		0.28	-0.03
8/14/37 (C)		0.26	-0.03
8/8/18 (C)		-0.84	0.03
8/8/19 (C)		-3.32	0.06
8/8/20 (C)		-1.10	0.06
8/8/21 (C)		-0.07	-0.09
8/8/22 (C)		-0.01	0.11
8/8/23 (C)		-1.52	-0.05
8/8/24 (C)		-3.27	0.06
8/8/25 (C)		-3.81	-0.07
8/8/26 (C)		-2.45	-0.08
8/8/27 (C)		-3.58	0.03
8/8/28 (C)		-0.76	0.06
8/8/29 (C)		0.23	-0.09
8/8/30 (C)		0.42	-0.11
8/8/31 (C)		-1.18	-0.03
8/8/32 (C)		-0.60	-0.02
8/8/33 (C)		-0.62	-0.04
8/8/34 (C)		3.11	-0.01
8/8/35 (C)		-3.06	-0.02
8/8/36 (C)		0.48	-0.02
8/8/37 (C)		0.48	0.04
8/8/18 (C)		0.84	0.03
8/8/19 (C)		-3.02	0.03
8/8/20 (C)		-1.10	-0.10
8/8/21 (C)		-0.87	0.06
8/8/22 (C)		-0.01	0.11
8/8/23 (C)		-1.62	0.03
8/8/24 (C)		-0.27	-0.07
8/8/25 (C)		3.87	0.05
8/8/26 (C)		-3.46	0.06
8/8/27 (C)		-2.76	0.03
8/8/28 (C)		-0.76	-0.10
8/8/29 (C)		-0.23	0.06
8/8/30 (C)		0.22	0.13
8/8/31 (C)		-3.08	0.03
8/8/32 (C)		-0.82	0.01
8/8/33 (C)		-0.60	0.04
8/8/34 (C)		-3.06	0.03
8/8/35 (C)		-0.04	0.03
8/8/36 (C)		-0.41	0.01
8/8/37 (C)		-0.38	-0.04
10/8/18 (C)		-3.84	-0.02
10/8/19 (C)		-3.62	-0.03
10/8/20 (C)		-1.10	0.10
10/8/21 (C)		-0.87	-0.06
10/8/22 (C)		-2.76	0.03
10/8/23 (C)		-1.62	0.03

Date: 31/05/24 Page: 18

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-105-33.rtd	
Author:		Project: RH18X27-10M-P4-20-105-33	
Address:			
Bar/Node/Case		FX (kip)	FY (kip)
10/8/24 (C)		-3.27	-0.07
10/8/25 (C)		-2.87	-0.05
10/8/26 (C)		-3.59	-0.01
10/8/27 (C)		-3.69	0.07
10/8/28 (C)		-4.79	0.10
10/8/29 (C)		-0.23	-0.06
10/8/30 (C)		0.15	0.02
10/8/31 (C)		-1.31	0.09
10/8/32 (C)		-0.57	0.02
10/8/33 (C)		-0.95	0.04
10/8/34 (C)		-0.59	0.01
10/8/35 (C)		-3.15	0.02
10/8/36 (C)		-0.45	0.02
10/8/37 (C)		-0.52	0.04
10/7/18 (C)		-0.54	-0.00
10/7/19 (C)		-3.52	-0.00
10/7/20 (C)		-1.10	-0.06
10/7/21 (C)		-0.57	-0.09
10/7/22 (C)		-1.19	-0.02
10/7/23 (C)		-1.65	-0.09
10/7/24 (C)		-1.27	-0.06
10/7/25 (C)		-0.57	-0.07
10/7/26 (C)		-2.55	-0.01
10/7/27 (C)		-0.09	-0.07
10/7/28 (C)		-0.76	-0.00
10/7/29 (C)		-0.23	-0.09
10/7/30 (C)		0.16	-0.02
10/7/31 (C)		-1.31	-0.09
10/7/32 (C)		-0.84	-0.01
10/7/33 (C)		-0.97	-0.04
10/7/34 (C)		-3.15	-0.00
10/7/35 (C)		-0.97	-0.09
10/7/36 (C)		-0.52	-0.01
10/7/37 (C)		-0.55	-0.04
11/7/18 (C)		-0.79	-0.00
11/7/19 (C)		-3.54	-0.00
11/7/20 (C)		-0.71	-0.00
11/7/21 (C)		-0.45	-0.00
11/7/22 (C)		-0.21	0.13
11/7/23 (C)		-1.37	-0.13
11/7/24 (C)		-1.90	-0.13
11/7/25 (C)		-2.00	-0.00
11/7/26 (C)		-0.92	0.10
11/7/27 (C)		-3.29	-0.09
11/7/28 (C)		-0.40	-0.18
11/7/29 (C)		-0.13	-0.01
11/7/30 (C)		0.14	0.13
11/7/31 (C)		-1.05	-0.13
11/7/32 (C)		-0.91	-0.06

Date: 31/05/24 Page: 19

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-105-33.rtd	
Author:		Project: RH18X27-10M-P4-20-105-33	
Address:			
Bar/Node/Case		FX (kip)	FY (kip)
11/7/32 (C)		-0.73	-0.02
11/7/34 (C)		-2.38	-0.06
11/7/36 (C)		-0.91	-0.01
11/7/38 (C)		-0.31	-0.06
11/7/37 (C)		0.24	0.02
11/5/18 (C)		-0.79	-0.02
11/5/19 (C)		-2.94	-0.06
11/5/20 (C)		-0.11	0.13
11/5/21 (C)		-0.45	0.00
11/5/22 (C)		-0.21	-0.13
11/5/23 (C)		-1.27	0.13
11/5/24 (C)		-2.66	0.12
11/5/25 (C)		-3.60	0.00
11/5/26 (C)		-2.42	-0.06
11/5/27 (C)		0.29	0.00
11/5/28 (C)		-0.45	0.15
11/5/29 (C)		-3.13	0.00
11/5/30 (C)		0.11	-0.18
11/5/31 (C)		-1.02	0.13
11/5/32 (C)		-0.73	0.00
11/5/33 (C)		-0.95	0.02
11/5/34 (C)		-2.81	-0.05
11/5/36 (C)		-2.98	0.01
11/5/38 (C)		-0.34	0.06
11/5/37 (C)		-0.44	0.02
12/6/18 (C)		-0.79	0.00
12/6/19 (C)		-0.54	0.00
12/6/20 (C)		-1.17	0.00
12/6/21 (C)		-0.60	0.14
12/6/22 (C)		0.21	0.13
12/6/23 (C)		-1.37	-0.12
12/6/24 (C)		-0.14	0.00
12/6/25 (C)		-2.98	0.12
12/6/26 (C)		-2.42	0.00
12/6/27 (C)		-3.29	-0.10
12/6/28 (C)		0.00	0.00
12/6/29 (C)		-0.48	0.15
12/6/30 (C)		0.11	0.13
12/6/31 (C)		-1.05	-0.13
12/6/32 (C)		-0.96	0.00
12/6/33 (C)		-0.92	0.00
12/6/34 (C)		-2.96	0.00
12/6/36 (C)		-3.05	0.01
12/6/38 (C)		-0.57	0.06
12/6/37 (C)		-0.52	0.02
12/8/18 (C)		-0.75	0.00
12/8/19 (C)		-2.94	0.00
12/8/20 (C)		-1.17	-0.00
12/8/21 (C)		-1.02	-0.13

Date: 31/05/24 Page: 20

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-105-33.rtd	
Author:		Project: RH18X27-10M-P4-20-105-33	
Address:			
Bar/Node/Case		FX (kip)	FY (kip)
12/ 8/ 22 (C)		-0.21	-0.13
12/ 8/ 23 (C)		-4.87	0.13
12/ 8/ 24 (C)		-3.16	-0.02
12/ 8/ 25 (C)		-3.98	-0.12
12/ 8/ 26 (C)		-2.42	-0.10
12/ 8/ 27 (C)		-3.29	0.09
12/ 8/ 28 (C)		-0.95	-0.05
12/ 8/ 29 (C)		-0.48	0.13
12/ 8/ 30 (C)		0.11	-0.13
12/ 8/ 31 (C)		-1.02	0.13
12/ 8/ 32 (C)		-0.52	-0.06
12/ 8/ 33 (C)		-0.90	-0.02
12/ 8/ 34 (C)		-0.90	-0.09
12/ 8/ 35 (C)		-3.96	-0.21
12/ 8/ 36 (C)		-0.23	-0.06
12/ 8/ 37 (C)		-0.81	-0.02
13/ 14/ 18 (C)		0.82	-0.03
13/ 14/ 19 (C)		2.85	-0.03
13/ 14/ 20 (C)		0.89	-0.03
13/ 14/ 21 (C)		0.30	-0.02
13/ 14/ 22 (C)		-0.04	-0.06
13/ 14/ 23 (C)		0.15	-0.03
13/ 14/ 24 (C)		-2.40	-0.02
13/ 14/ 25 (C)		1.09	-0.02
13/ 14/ 26 (C)		1.82	-0.03
13/ 14/ 27 (C)		2.87	-0.09
13/ 14/ 28 (C)		0.72	-0.03
13/ 14/ 29 (C)		0.66	-0.02
13/ 14/ 30 (C)		-0.03	0.00
13/ 14/ 31 (C)		1.00	-0.00
13/ 14/ 32 (C)		0.89	-0.02
13/ 14/ 33 (C)		0.70	-0.01
13/ 14/ 34 (C)		2.18	-0.01
13/ 14/ 35 (C)		2.19	-0.01
13/ 14/ 36 (C)		0.27	-0.02
13/ 14/ 37 (C)		0.30	-0.01
13/ 15/ 18 (C)		0.85	-0.00
13/ 15/ 19 (C)		2.56	-0.01
13/ 15/ 20 (C)		0.89	0.01
13/ 15/ 21 (C)		0.30	-0.02
13/ 15/ 22 (C)		-0.04	0.00
13/ 15/ 23 (C)		1.34	-0.00
13/ 15/ 24 (C)		2.46	0.02
13/ 15/ 25 (C)		1.90	0.02
13/ 15/ 26 (C)		1.82	0.00
13/ 15/ 27 (C)		2.07	-0.01
13/ 15/ 28 (C)		0.72	0.02
13/ 15/ 29 (C)		0.98	-0.02
13/ 15/ 30 (C)		-0.01	-0.01

Date: 31/05/24 Page 21

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-105-33.rtd	
Author:		Project: RH18X27-10M-P4-20-105-33	
Address:			
Bar/Node/Case		FX (kip)	FY (kip)
13/ 15/ 31 (C)		1.08	-0.02
13/ 15/ 32 (C)		0.68	0.02
13/ 15/ 33 (C)		0.07	-0.01
13/ 15/ 34 (C)		2.17	0.01
13/ 15/ 35 (C)		2.16	-0.01
13/ 15/ 36 (C)		0.26	0.02
13/ 15/ 37 (C)		0.54	0.01
14/ 9/ 18 (C)		0.94	0.02
14/ 9/ 19 (C)		2.81	0.15
14/ 9/ 20 (C)		0.79	0.02
14/ 9/ 21 (C)		0.94	0.02
14/ 9/ 22 (C)		-0.10	-0.02
14/ 9/ 23 (C)		1.12	0.02
14/ 9/ 24 (C)		2.24	-0.02
14/ 9/ 25 (C)		1.84	0.02
14/ 9/ 26 (C)		1.81	-0.01
14/ 9/ 27 (C)		2.53	0.02
14/ 9/ 28 (C)		0.52	-0.01
14/ 9/ 29 (C)		0.12	0.01
14/ 9/ 30 (C)		-0.32	-0.01
14/ 9/ 31 (C)		0.01	0.01
14/ 9/ 32 (C)		0.59	-0.01
14/ 9/ 33 (C)		0.48	0.01
14/ 9/ 34 (C)		3.08	0.07
14/ 9/ 35 (C)		2.06	-0.01
14/ 9/ 36 (C)		0.26	0.01
14/ 9/ 37 (C)		0.29	-0.01
14/ 10/ 18 (C)		0.54	-0.02
14/ 10/ 19 (C)		3.61	-0.10
14/ 10/ 20 (C)		0.72	-0.02
14/ 10/ 21 (C)		0.04	-0.02
14/ 10/ 22 (C)		-0.10	-0.01
14/ 10/ 23 (C)		1.12	-0.02
14/ 10/ 24 (C)		2.04	-0.01
14/ 10/ 25 (C)		1.84	-0.01
14/ 10/ 26 (C)		1.81	-0.01
14/ 10/ 27 (C)		2.50	-0.01
14/ 10/ 28 (C)		0.52	-0.01
14/ 10/ 29 (C)		0.12	-0.01
14/ 10/ 30 (C)		-0.32	-0.01
14/ 10/ 31 (C)		0.01	-0.01
14/ 10/ 32 (C)		0.56	-0.01
14/ 10/ 33 (C)		0.59	-0.01
14/ 10/ 34 (C)		2.11	-0.02
14/ 10/ 35 (C)		2.08	-0.02
14/ 10/ 36 (C)		0.26	-0.01
14/ 10/ 37 (C)		0.24	0.01
15/ 12/ 18 (C)		0.54	0.02
15/ 12/ 19 (C)		2.81	0.15

Date: 31/05/24 Page 22



Autodesk Robot Structural Analysis Professional 2021		File: R\18\X27-10M-P4-20-106-33.rtd	
Author:		Project: R\18\X27-10M-P4-20-106-33	
Address:			
Bar Node Case		FX (kip)	FY (kip)
17/ 12/ 18 (C)		0.54	-0.06
17/ 12/ 19 (C)		2.62	-0.22
17/ 12/ 20 (C)		0.56	-0.06
17/ 12/ 21 (C)		0.62	-0.04
17/ 12/ 22 (C)		0.23	-0.06
17/ 12/ 23 (C)		0.09	-0.04
17/ 12/ 24 (C)		2.14	-0.14
17/ 12/ 25 (C)		3.16	-0.18
17/ 12/ 26 (C)		1.87	-0.14
17/ 12/ 27 (C)		2.53	-0.14
17/ 12/ 28 (C)		0.28	-0.04
17/ 12/ 29 (C)		0.40	-0.02
17/ 12/ 30 (C)		0.01	-0.01
17/ 12/ 31 (C)		0.04	-0.02
17/ 12/ 32 (C)		0.09	-0.00
17/ 12/ 33 (C)		0.04	-0.02
17/ 12/ 34 (C)		2.21	-0.20
17/ 12/ 35 (C)		3.11	-0.18
17/ 12/ 36 (C)		0.42	-0.06
17/ 12/ 37 (C)		0.27	-0.02
18/ 5/ 18 (C)		-0.01	0.02
18/ 5/ 19 (C)		-0.01	0.00
18/ 5/ 20 (C)		-0.01	0.02
18/ 5/ 21 (C)		-0.01	0.04
18/ 5/ 22 (C)		-0.01	0.03
18/ 5/ 23 (C)		-0.01	0.04
18/ 5/ 24 (C)		-0.01	0.00
18/ 5/ 25 (C)		-0.01	0.00
18/ 5/ 26 (C)		-0.01	0.00
18/ 5/ 27 (C)		-0.01	0.00
18/ 5/ 28 (C)		-0.00	0.02
18/ 5/ 29 (C)		-0.00	0.02
18/ 5/ 30 (C)		-0.00	0.02
18/ 5/ 31 (C)		-0.00	0.02
18/ 5/ 32 (C)		-0.00	0.02
18/ 5/ 33 (C)		-0.00	0.02
18/ 5/ 34 (C)		-0.01	0.00
18/ 5/ 35 (C)		-0.00	0.01
18/ 5/ 36 (C)		-0.00	0.01
18/ 5/ 37 (C)		-0.00	0.01
18/ 5/ 38 (C)		-0.00	0.00
18/ 5/ 39 (C)		-0.00	0.00
18/ 5/ 40 (C)		-0.00	0.00
18/ 5/ 41 (C)		-0.00	0.00
18/ 5/ 42 (C)		-0.00	0.00
18/ 5/ 43 (C)		-0.00	0.00
18/ 5/ 44 (C)		-0.00	0.00
18/ 5/ 45 (C)		-0.00	0.00
18/ 5/ 46 (C)		-0.00	0.00
18/ 5/ 47 (C)		-0.00	0.00
18/ 5/ 48 (C)		-0.00	0.00
18/ 5/ 49 (C)		-0.00	0.00
18/ 5/ 50 (C)		-0.00	0.00
18/ 5/ 51 (C)		-0.00	0.00
18/ 5/ 52 (C)		-0.00	0.00
18/ 5/ 53 (C)		-0.00	0.00
18/ 5/ 54 (C)		-0.00	0.00
18/ 5/ 55 (C)		-0.00	0.00
18/ 5/ 56 (C)		-0.00	0.00
18/ 5/ 57 (C)		-0.00	0.00
18/ 5/ 58 (C)		-0.00	0.00
18/ 5/ 59 (C)		-0.00	0.00
18/ 5/ 60 (C)		-0.00	0.00
18/ 5/ 61 (C)		-0.00	0.00
18/ 5/ 62 (C)		-0.00	0.00
18/ 5/ 63 (C)		-0.00	0.00
18/ 5/ 64 (C)		-0.00	0.00
18/ 5/ 65 (C)		-0.00	0.00
18/ 5/ 66 (C)		-0.00	0.00
18/ 5/ 67 (C)		-0.00	0.00
18/ 5/ 68 (C)		-0.00	0.00
18/ 5/ 69 (C)		-0.00	0.00
18/ 5/ 70 (C)		-0.00	0.00
18/ 5/ 71 (C)		-0.00	0.00
18/ 5/ 72 (C)		-0.00	0.00
18/ 5/ 73 (C)		-0.00	0.00
18/ 5/ 74 (C)		-0.00	0.00
18/ 5/ 75 (C)		-0.00	0.00
18/ 5/ 76 (C)		-0.00	0.00
18/ 5/ 77 (C)		-0.00	0.00
18/ 5/ 78 (C)		-0.00	0.00
18/ 5/ 79 (C)		-0.00	0.00
18/ 5/ 80 (C)		-0.00	0.00
18/ 5/ 81 (C)		-0.00	0.00
18/ 5/ 82 (C)		-0.00	0.00
18/ 5/ 83 (C)		-0.00	0.00
18/ 5/ 84 (C)		-0.00	0.00
18/ 5/ 85 (C)		-0.00	0.00
18/ 5/ 86 (C)		-0.00	0.00
18/ 5/ 87 (C)		-0.00	0.00
18/ 5/ 88 (C)		-0.00	0.00
18/ 5/ 89 (C)		-0.00	0.00
18/ 5/ 90 (C)		-0.00	0.00
18/ 5/ 91 (C)		-0.00	0.00
18/ 5/ 92 (C)		-0.00	0.00
18/ 5/ 93 (C)		-0.00	0.00
18/ 5/ 94 (C)		-0.00	0.00
18/ 5/ 95 (C)		-0.00	0.00
18/ 5/ 96 (C)		-0.00	0.00
18/ 5/ 97 (C)		-0.00	0.00
18/ 5/ 98 (C)		-0.00	0.00
18/ 5/ 99 (C)		-0.00	0.00
18/ 5/ 100 (C)		-0.00	0.00

Date: 31/05/24

Page: 26

Autodesk Robot Structural Analysis Professional 2021		File: R\18\X27-10M-P4-20-106-33.rtd	
Author:		Project: R\18\X27-10M-P4-20-106-33	
Address:			
Bar Node Case		FX (kip)	FY (kip)
18/ 15/ 27 (C)		0.00	-0.00
18/ 15/ 28 (C)		-0.00	-0.00
18/ 15/ 29 (C)		-0.00	-0.00
18/ 15/ 30 (C)		-0.00	-0.00
18/ 15/ 31 (C)		0.00	-0.00
18/ 15/ 32 (C)		-0.00	-0.00
18/ 15/ 33 (C)		-0.00	-0.00
18/ 15/ 34 (C)		-0.00	-0.00
18/ 15/ 35 (C)		-0.00	-0.00
18/ 15/ 36 (C)		-0.00	-0.00
18/ 15/ 37 (C)		-0.00	-0.00
18/ 15/ 38 (C)		-0.00	-0.00
18/ 15/ 39 (C)		-0.00	-0.00
18/ 15/ 40 (C)		-0.00	-0.00
18/ 15/ 41 (C)		-0.00	-0.00
18/ 15/ 42 (C)		-0.00	-0.00
18/ 15/ 43 (C)		-0.00	-0.00
18/ 15/ 44 (C)		-0.00	-0.00
18/ 15/ 45 (C)		-0.00	-0.00
18/ 15/ 46 (C)		-0.00	-0.00
18/ 15/ 47 (C)		-0.00	-0.00
18/ 15/ 48 (C)		-0.00	-0.00
18/ 15/ 49 (C)		-0.00	-0.00
18/ 15/ 50 (C)		-0.00	-0.00
18/ 15/ 51 (C)		-0.00	-0.00
18/ 15/ 52 (C)		-0.00	-0.00
18/ 15/ 53 (C)		-0.00	-0.00
18/ 15/ 54 (C)		-0.00	-0.00
18/ 15/ 55 (C)		-0.00	-0.00
18/ 15/ 56 (C)		-0.00	-0.00
18/ 15/ 57 (C)		-0.00	-0.00
18/ 15/ 58 (C)		-0.00	-0.00
18/ 15/ 59 (C)		-0.00	-0.00
18/ 15/ 60 (C)		-0.00	-0.00
18/ 15/ 61 (C)		-0.00	-0.00
18/ 15/ 62 (C)		-0.00	-0.00
18/ 15/ 63 (C)		-0.00	-0.00
18/ 15/ 64 (C)		-0.00	-0.00
18/ 15/ 65 (C)		-0.00	-0.00
18/ 15/ 66 (C)		-0.00	-0.00
18/ 15/ 67 (C)		-0.00	-0.00
18/ 15/ 68 (C)		-0.00	-0.00
18/ 15/ 69 (C)		-0.00	-0.00
18/ 15/ 70 (C)		-0.00	-0.00
18/ 15/ 71 (C)		-0.00	-0.00
18/ 15/ 72 (C)		-0.00	-0.00
18/ 15/ 73 (C)		-0.00	-0.00
18/ 15/ 74 (C)		-0.00	-0.00
18/ 15/ 75 (C)		-0.00	-0.00
18/ 15/ 76 (C)		-0.00	-0.00
18/ 15/ 77 (C)		-0.00	-0.00
18/ 15/ 78 (C)		-0.00	-0.00
18/ 15/ 79 (C)		-0.00	-0.00
18/ 15/ 80 (C)		-0.00	-0.00
18/ 15/ 81 (C)		-0.00	-0.00
18/ 15/ 82 (C)		-0.00	-0.00
18/ 15/ 83 (C)		-0.00	-0.00
18/ 15/ 84 (C)		-0.00	-0.00
18/ 15/ 85 (C)		-0.00	-0.00
18/ 15/ 86 (C)		-0.00	-0.00
18/ 15/ 87 (C)		-0.00	-0.00
18/ 15/ 88 (C)		-0.00	-0.00
18/ 15/ 89 (C)		-0.00	-0.00
18/ 15/ 90 (C)		-0.00	-0.00
18/ 15/ 91 (C)		-0.00	-0.00
18/ 15/ 92 (C)		-0.00	-0.00
18/ 15/ 93 (C)		-0.00	-0.00
18/ 15/ 94 (C)		-0.00	-0.00
18/ 15/ 95 (C)		-0.00	-0.00
18/ 15/ 96 (C)		-0.00	-0.00
18/ 15/ 97 (C)		-0.00	-0.00
18/ 15/ 98 (C)		-0.00	-0.00
18/ 15/ 99 (C)		-0.00	-0.00
18/ 15/ 100 (C)		-0.00	-0.00

Date: 31/05/24

Page: 26

Autodesk Robot Structural Analysis Professional 2021		File: R\16\27-10M-P4-20-106-33.rtd	
Author:		Project: R\16\27-10M-P4-20-106-33	
Address:			
Bar/Node/Case		FX (kip)	FY (kip)
19/ 16/ 26 (C)		-0.03	-0.03
19/ 16/ 27 (C)		-0.03	-0.03
20/ 7/ 18 (C)		-0.01	-0.02
20/ 7/ 19 (C)		-0.01	0.06
20/ 7/ 20 (C)		-0.01	-0.02
20/ 7/ 21 (C)		-0.01	-0.04
20/ 7/ 22 (C)		-0.01	-0.03
20/ 7/ 23 (C)		0.01	0.02
20/ 7/ 24 (C)		0.01	0.03
20/ 7/ 25 (C)		-0.01	0.05
20/ 7/ 26 (C)		-0.01	0.04
20/ 7/ 27 (C)		-0.01	-0.05
20/ 7/ 28 (C)		-0.01	0.02
20/ 7/ 29 (C)		-0.02	-0.03
20/ 7/ 30 (C)		0.00	-0.01
20/ 7/ 31 (C)		0.00	0.01
20/ 7/ 32 (C)		-0.02	0.02
20/ 7/ 33 (C)		-0.01	0.02
20/ 7/ 34 (C)		-0.01	0.02
20/ 7/ 35 (C)		-0.01	0.02
20/ 7/ 36 (C)		-0.01	0.01
20/ 7/ 37 (C)		-0.01	0.01
20/ 17/ 18 (C)		0.01	-0.01
20/ 17/ 19 (C)		0.01	-0.01
20/ 17/ 20 (C)		-0.01	-0.01
20/ 17/ 21 (C)		-0.01	-0.01
20/ 17/ 22 (C)		-0.01	0.01
20/ 17/ 23 (C)		0.01	0.01
20/ 17/ 24 (C)		-0.01	-0.01
20/ 17/ 25 (C)		-0.01	-0.01
20/ 17/ 26 (C)		-0.01	0.01
20/ 17/ 27 (C)		0.01	0.01
20/ 17/ 28 (C)		-0.01	-0.01
20/ 17/ 29 (C)		-0.01	-0.01
20/ 17/ 30 (C)		-0.01	-0.01
20/ 17/ 31 (C)		0.01	0.01
20/ 17/ 32 (C)		-0.01	0.01
20/ 17/ 33 (C)		0.01	0.01
20/ 17/ 34 (C)		-0.01	0.01
20/ 17/ 35 (C)		0.01	0.01
20/ 17/ 36 (C)		-0.01	0.01
20/ 17/ 37 (C)		0.01	0.01
21/ 8/ 19 (C)		0.01	0.04
21/ 8/ 20 (C)		-0.01	0.04
21/ 8/ 21 (C)		-0.01	0.02
21/ 8/ 22 (C)		-0.01	0.01
21/ 8/ 23 (C)		-0.01	0.02
21/ 8/ 24 (C)		-0.01	0.04

Date: 3/10/24 Page: 27

Autodesk Robot Structural Analysis Professional 2021		File: R\16\27-10M-P4-20-106-33.rtd	
Author:		Project: R\16\27-10M-P4-20-106-33	
Address:			
Bar/Node/Case		FX (kip)	FY (kip)
21/ 8/ 25 (C)		-0.01	0.02
21/ 8/ 26 (C)		-0.01	0.04
21/ 8/ 27 (C)		-0.01	0.02
21/ 8/ 28 (C)		-0.01	-0.01
21/ 8/ 29 (C)		0.01	-0.01
21/ 8/ 30 (C)		0.01	-0.01
21/ 8/ 31 (C)		-0.01	0.01
21/ 8/ 32 (C)		0.01	0.02
21/ 8/ 33 (C)		-0.01	0.02
21/ 8/ 34 (C)		-0.01	0.02
21/ 8/ 35 (C)		-0.01	0.02
21/ 8/ 36 (C)		-0.01	0.01
21/ 8/ 37 (C)		-0.01	0.01
21/ 18/ 18 (C)		-0.01	-0.01
21/ 18/ 19 (C)		0.00	-0.01
21/ 18/ 20 (C)		-0.01	-0.01
21/ 18/ 21 (C)		0.00	-0.01
21/ 18/ 22 (C)		0.00	0.00
21/ 18/ 23 (C)		-0.01	0.01
21/ 18/ 24 (C)		-0.01	-0.01
21/ 18/ 25 (C)		0.00	-0.01
21/ 18/ 26 (C)		0.00	-0.01
21/ 18/ 27 (C)		0.00	0.00
21/ 18/ 28 (C)		-0.01	-0.01
21/ 18/ 29 (C)		0.00	-0.01
21/ 18/ 30 (C)		0.00	0.01
21/ 18/ 31 (C)		-0.01	0.01
21/ 18/ 32 (C)		0.00	-0.01
21/ 18/ 33 (C)		0.00	0.00
21/ 18/ 34 (C)		0.00	-0.01
21/ 18/ 35 (C)		0.00	0.00
21/ 18/ 36 (C)		0.00	-0.01
21/ 18/ 37 (C)		0.00	0.00
Bar/Node/Case		FX (kip)	MY (kip-in)
1/ 1/ 18 (C)		0.07	0.07
1/ 1/ 19 (C)		0.26	0.26
1/ 1/ 20 (C)		0.04	0.04
1/ 1/ 21 (C)		0.01	-0.17
1/ 1/ 22 (C)		-0.01	-0.21
1/ 1/ 23 (C)		0.12	0.01
1/ 1/ 24 (C)		0.17	0.44
1/ 1/ 25 (C)		0.25	0.11
1/ 1/ 26 (C)		0.21	-0.72
1/ 1/ 27 (C)		0.22	0.04
1/ 1/ 28 (C)		0.02	1.07
1/ 1/ 29 (C)		-0.02	-0.18
1/ 1/ 30 (C)		-0.04	-1.28
1/ 1/ 31 (C)		0.08	0.79
1/ 1/ 32 (C)		-0.08	0.25

Date: 3/10/24 Page: 28

Autodesk Robot Structural Analysis Professional 2021		File: R\18\27-10M-P4-20-106-33.rtd	
Author:		Project: R\18\27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
1/1/33 (C)	-0.20	3.07	
1/1/34 (C)	0.18	0.43	
1/1/35 (C)	-0.16	-0.29	
1/1/36 (C)	-0.17	0.72	
1/1/37 (C)	-0.11	-0.22	
1/5/18 (C)	-0.07	-0.07	
1/5/19 (C)	0.35	-0.20	
1/5/20 (C)	0.04	1.03	
1/5/21 (C)	0.01	-0.77	
1/5/22 (C)	-0.03	-1.27	
1/5/23 (C)	0.12	0.81	
1/5/24 (C)	0.27	-1.42	
1/5/25 (C)	0.25	0.11	
1/5/26 (C)	0.21	-0.72	
1/5/27 (C)	0.22	0.56	
1/5/28 (C)	0.02	1.57	
1/5/29 (C)	-0.02	-0.18	
1/5/30 (C)	-0.06	-1.09	
1/5/31 (C)	0.09	0.79	
1/5/32 (C)	-0.09	0.25	
1/5/33 (C)	-0.08	0.07	
1/5/34 (C)	0.19	-0.42	
1/5/35 (C)	-0.16	-0.28	
1/5/36 (C)	-0.12	0.23	
1/5/37 (C)	-0.11	0.03	
2/2/18 (C)	0.07	-0.07	
2/2/19 (C)	0.36	-0.26	
2/2/20 (C)	0.14	-0.11	
2/2/21 (C)	0.09	1.31	
2/2/22 (C)	-0.03	-1.27	
2/2/23 (C)	0.12	-0.81	
2/2/24 (C)	0.24	0.25	
2/2/25 (C)	0.20	0.72	
2/2/26 (C)	0.21	0.72	
2/2/27 (C)	0.02	-0.04	
2/2/28 (C)	0.11	-0.03	
2/2/29 (C)	0.06	-1.03	
2/2/30 (C)	-0.06	1.26	
2/2/31 (C)	0.09	-0.19	
2/2/32 (C)	0.16	0.16	
2/2/33 (C)	-0.01	0.00	
2/2/34 (C)	0.26	-0.12	
2/2/35 (C)	0.22	0.16	
2/2/36 (C)	0.12	0.19	
2/2/37 (C)	-0.04	0.09	
2/6/18 (C)	0.07	-0.07	
2/6/19 (C)	0.36	-0.26	
2/6/20 (C)	0.14	-0.11	
2/6/21 (C)	0.09	1.31	

Date: 31/05/24 Page 29

Autodesk Robot Structural Analysis Professional 2021		File: R\18\27-10M-P4-20-106-33.rtd	
Author:		Project: R\18\27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
2/6/22 (C)	-0.03	1.27	
2/6/23 (C)	0.12	-0.81	
2/6/24 (C)	0.24	-0.22	
2/6/25 (C)	0.20	0.15	
2/6/26 (C)	0.21	-0.72	
2/6/27 (C)	0.22	-0.81	
2/6/28 (C)	0.11	-0.03	
2/6/29 (C)	0.06	1.03	
2/6/30 (C)	-0.08	-0.77	
2/6/31 (C)	0.09	-0.79	
2/6/32 (C)	0.16	0.16	
2/6/33 (C)	-0.01	0.00	
2/6/34 (C)	0.26	-0.12	
2/6/35 (C)	0.23	-0.19	
2/6/36 (C)	0.12	0.19	
2/6/37 (C)	-0.04	0.06	
3/3/18 (C)	0.07	-0.07	
3/3/19 (C)	0.36	-0.26	
3/3/20 (C)	0.14	-0.11	
3/3/21 (C)	0.09	1.31	
3/3/22 (C)	-0.03	-1.27	
3/3/23 (C)	0.12	-0.81	
3/3/24 (C)	0.24	0.25	
3/3/25 (C)	0.20	0.72	
3/3/26 (C)	0.21	0.72	
3/3/27 (C)	0.02	-0.04	
3/3/28 (C)	0.11	-0.03	
3/3/29 (C)	0.06	-1.03	
3/3/30 (C)	-0.06	1.26	
3/3/31 (C)	0.09	-0.19	
3/3/32 (C)	0.16	0.16	
3/3/33 (C)	-0.01	0.00	
3/3/34 (C)	0.26	-0.12	
3/3/35 (C)	0.23	-0.19	
3/3/36 (C)	0.12	0.19	
3/3/37 (C)	-0.04	0.06	
3/7/18 (C)	0.07	-0.07	
3/7/19 (C)	0.36	-0.26	
3/7/20 (C)	0.14	-0.11	
3/7/21 (C)	0.09	1.31	
3/7/22 (C)	-0.03	-1.27	
3/7/23 (C)	0.12	-0.81	
3/7/24 (C)	0.24	0.25	
3/7/25 (C)	0.20	0.72	
3/7/26 (C)	0.21	0.72	
3/7/27 (C)	0.02	-0.04	
3/7/28 (C)	0.11	-0.03	
3/7/29 (C)	0.06	-1.03	
3/7/30 (C)	-0.06	1.26	
3/7/31 (C)	0.09	-0.19	
3/7/32 (C)	0.16	0.16	
3/7/33 (C)	-0.01	0.00	
3/7/34 (C)	0.26	-0.12	
3/7/35 (C)	0.23	-0.19	
3/7/36 (C)	0.12	0.19	
3/7/37 (C)	-0.04	0.06	

Date: 31/05/24 Page 30

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
3/ 7/ 31 (C)	0.14	-1.33	
3/ 7/ 32 (C)	-0.01	-0.29	
3/ 7/ 33 (C)	0.16	-0.19	
3/ 7/ 34 (C)	0.23	-0.48	
3/ 7/ 35 (C)	0.35	-0.38	
3/ 7/ 36 (C)	-0.04	-0.26	
3/ 7/ 37 (C)	0.13	-0.42	
4/ 4/ 18 (C)	0.07	0.07	
4/ 4/ 19 (C)	0.35	0.36	
4/ 4/ 20 (C)	0.34	0.11	
4/ 4/ 21 (C)	0.09	-0.24	
4/ 4/ 22 (C)	0.03	-0.48	
4/ 4/ 23 (C)	0.77	1.23	
4/ 4/ 24 (C)	0.24	-0.22	
4/ 4/ 25 (C)	0.30	-0.75	
4/ 4/ 26 (C)	0.26	-0.21	
4/ 4/ 27 (C)	0.25	-1.23	
4/ 4/ 28 (C)	0.11	-0.09	
4/ 4/ 29 (C)	0.02	-1.33	
4/ 4/ 30 (C)	0.01	-0.42	
4/ 4/ 31 (C)	0.14	-0.38	
4/ 4/ 32 (C)	0.23	-0.42	
4/ 4/ 33 (C)	0.23	-0.07	
4/ 4/ 34 (C)	0.41	0.15	
4/ 4/ 35 (C)	0.41	-0.28	
4/ 4/ 36 (C)	0.20	-0.15	
4/ 4/ 37 (C)	0.19	-0.06	
4/ 4/ 38 (C)	0.07	0.07	
4/ 4/ 39 (C)	0.06	-0.06	
4/ 4/ 20 (C)	0.14	0.11	
4/ 4/ 21 (C)	0.08	-1.31	
4/ 4/ 22 (C)	0.03	-0.60	
4/ 4/ 23 (C)	0.17	1.22	
4/ 4/ 24 (C)	0.24	-0.22	
4/ 4/ 25 (C)	0.30	-0.75	
4/ 4/ 26 (C)	0.26	-0.21	
4/ 4/ 27 (C)	0.25	-1.23	
4/ 4/ 28 (C)	0.11	-0.09	
4/ 4/ 29 (C)	0.02	-1.33	
4/ 4/ 30 (C)	0.01	-0.42	
4/ 4/ 31 (C)	0.14	-0.38	
4/ 4/ 32 (C)	0.23	-0.42	
4/ 4/ 33 (C)	0.23	-0.07	
4/ 4/ 34 (C)	0.41	0.15	
4/ 4/ 35 (C)	0.41	-0.28	
4/ 4/ 36 (C)	0.20	-0.15	
4/ 4/ 37 (C)	0.19	-0.06	
4/ 4/ 38 (C)	0.07	0.07	
4/ 4/ 39 (C)	0.06	-0.06	
5/ 5/ 18 (C)	-0.05	-0.02	

Date: 31/05/24 Page 31

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
5/ 5/ 20 (C)	0.07	-0.71	
5/ 5/ 21 (C)	0.06	-1.25	
5/ 5/ 22 (C)	0.10	0.48	
5/ 5/ 23 (C)	0.04	-3.21	
5/ 5/ 24 (C)	0.01	-1.07	
5/ 5/ 25 (C)	0.02	-0.42	
5/ 5/ 26 (C)	-0.02	-0.98	
5/ 5/ 27 (C)	-0.02	-3.02	
5/ 5/ 28 (C)	0.02	-0.92	
5/ 5/ 29 (C)	0.06	1.41	
5/ 5/ 30 (C)	0.10	0.42	
5/ 5/ 31 (C)	0.02	-3.02	
5/ 5/ 32 (C)	0.05	0.04	
5/ 5/ 33 (C)	0.01	-1.22	
5/ 5/ 34 (C)	-0.04	-1.21	
5/ 5/ 35 (C)	-0.04	-3.26	
5/ 5/ 36 (C)	-0.02	0.24	
5/ 5/ 37 (C)	0.00	-1.04	
5/ 5/ 38 (C)	-0.07	-0.38	
5/ 5/ 39 (C)	0.25	-3.05	
5/ 5/ 20 (C)	-0.22	-0.71	
5/ 5/ 21 (C)	-0.14	-1.25	
5/ 5/ 22 (C)	-0.04	0.48	
5/ 5/ 23 (C)	-0.14	-3.21	
5/ 5/ 24 (C)	-0.22	-1.07	
5/ 5/ 25 (C)	-0.18	-0.42	
5/ 5/ 26 (C)	-0.26	-0.98	
5/ 5/ 27 (C)	-0.26	-3.02	
5/ 5/ 28 (C)	-0.18	-0.92	
5/ 5/ 29 (C)	-0.12	1.41	
5/ 5/ 30 (C)	-0.01	0.42	
5/ 5/ 31 (C)	-0.12	-0.92	
5/ 5/ 32 (C)	-0.12	0.04	
5/ 5/ 33 (C)	-0.10	-1.22	
5/ 5/ 34 (C)	-0.24	-1.21	
5/ 5/ 35 (C)	-0.21	-3.26	
5/ 5/ 36 (C)	-0.04	0.24	
5/ 5/ 37 (C)	-0.07	-1.04	
6/ 6/ 18 (C)	0.02	0.06	
6/ 6/ 19 (C)	-0.05	3.05	
6/ 6/ 20 (C)	-0.07	3.20	
6/ 6/ 21 (C)	-0.02	-0.12	
6/ 6/ 22 (C)	0.02	-0.48	
6/ 6/ 23 (C)	0.04	-3.21	
6/ 6/ 24 (C)	-0.10	3.08	
6/ 6/ 25 (C)	-0.04	-1.25	
6/ 6/ 26 (C)	0.03	0.99	
6/ 6/ 27 (C)	-0.02	3.05	
6/ 6/ 28 (C)	-0.02	-0.04	

Date: 31/05/24 Page 32

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
6/6/29 (C)	-0.03	-0.28	
6/6/30 (C)	0.10	-0.62	
6/6/31 (C)	0.03	0.05	
6/6/32 (C)	0.03	1.55	
6/6/33 (C)	1.52	1.69	
6/6/34 (C)	-0.02	3.46	
6/6/35 (C)	-0.03	2.61	
6/6/36 (C)	0.02	1.30	
6/6/37 (C)	0.01	1.30	
6/13/18 (C)	-0.07	-0.38	
6/13/19 (C)	-0.23	0.05	
6/13/20 (C)	0.04	-2.25	
6/13/21 (C)	0.06	-0.12	
6/13/22 (C)	-0.04	-0.46	
6/13/23 (C)	-0.14	2.21	
6/13/24 (C)	-0.12	2.98	
6/13/25 (C)	-0.11	1.25	
6/13/26 (C)	-0.10	-0.89	
6/13/27 (C)	-0.26	-0.00	
6/13/28 (C)	0.07	-2.36	
6/13/29 (C)	0.03	-0.29	
6/13/30 (C)	0.01	-0.02	
6/13/31 (C)	-0.12	2.05	
6/13/32 (C)	-0.04	-0.91	
6/13/33 (C)	-0.08	1.68	
6/13/34 (C)	-0.19	-2.46	
6/13/35 (C)	-0.21	2.87	
6/13/36 (C)	-0.00	-1.35	
6/13/37 (C)	-0.05	-1.00	
7/7/18 (C)	0.52	0.38	
7/7/19 (C)	-0.05	-2.05	
7/7/20 (C)	0.07	0.71	
7/7/21 (C)	0.08	-1.22	
7/7/22 (C)	-0.02	-1.65	
7/7/23 (C)	-0.05	-1.39	
7/7/24 (C)	0.03	1.67	
7/7/25 (C)	0.02	0.46	
7/7/26 (C)	-0.06	-0.16	
7/7/27 (C)	-0.09	2.87	
7/7/28 (C)	0.07	-0.26	
7/7/29 (C)	0.02	-1.41	
7/7/30 (C)	-0.03	-1.70	
7/7/31 (C)	-0.06	-1.72	
7/7/32 (C)	0.01	-0.67	
7/7/33 (C)	0.01	-0.87	
7/7/34 (C)	-0.04	-0.03	
7/7/35 (C)	-0.03	-0.03	
7/7/36 (C)	-0.00	-0.86	
7/7/37 (C)	0.01	-0.00	

Date: 31/08/24 Page 33

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
7/14/18 (C)	-0.07	0.28	
7/14/19 (C)	-0.22	2.05	
7/14/20 (C)	-0.22	-0.71	
7/14/21 (C)	-0.14	-1.25	
7/14/22 (C)	0.01	-1.95	
7/14/23 (C)	-0.02	1.25	
7/14/24 (C)	-0.02	1.97	
7/14/25 (C)	-0.26	0.40	
7/14/26 (C)	-0.14	0.18	
7/14/27 (C)	-0.23	2.97	
7/14/28 (C)	-0.18	0.59	
7/14/29 (C)	-0.12	-1.41	
7/14/30 (C)	0.04	-1.00	
7/14/31 (C)	-0.07	1.22	
7/14/32 (C)	-0.10	-0.67	
7/14/33 (C)	-0.06	-0.87	
7/14/34 (C)	-0.22	0.03	
7/14/35 (C)	0.20	0.88	
7/14/36 (C)	-0.07	-0.96	
7/14/37 (C)	0.03	-1.06	
8/8/18 (C)	0.02	-0.29	
8/8/19 (C)	-0.06	-2.05	
8/8/20 (C)	-0.07	-0.36	
8/8/21 (C)	-0.03	0.42	
8/8/22 (C)	-0.02	1.55	
8/8/23 (C)	-0.06	-1.36	
8/8/24 (C)	-0.10	-0.96	
8/8/25 (C)	-0.06	-1.22	
8/8/26 (C)	-0.06	-0.18	
8/8/27 (C)	-0.09	-2.37	
8/8/28 (C)	-0.07	-2.04	
8/8/29 (C)	-0.02	0.26	
8/8/30 (C)	-0.02	1.02	
8/8/31 (C)	-0.06	-1.22	
8/8/32 (C)	0.03	-0.97	
8/8/33 (C)	0.02	0.41	
8/8/34 (C)	-0.02	-1.09	
8/8/35 (C)	-0.03	-1.00	
8/8/36 (C)	0.02	-0.00	
8/8/37 (C)	0.01	0.60	
8/14/18 (C)	-0.07	-0.28	
8/14/19 (C)	-0.22	-2.05	
8/14/20 (C)	-0.22	-0.71	
8/14/21 (C)	-0.14	-1.25	
8/14/22 (C)	0.01	-1.95	
8/14/23 (C)	-0.02	1.25	
8/14/24 (C)	-0.02	1.97	
8/14/25 (C)	-0.26	0.40	
8/14/26 (C)	-0.14	0.18	
8/14/27 (C)	-0.23	2.97	
8/14/28 (C)	-0.18	0.59	
8/14/29 (C)	-0.12	-1.41	
8/14/30 (C)	0.04	-1.00	
8/14/31 (C)	-0.07	1.22	
8/14/32 (C)	-0.10	-0.67	
8/14/33 (C)	-0.06	-0.87	
8/14/34 (C)	-0.22	0.03	
8/14/35 (C)	0.20	0.88	
8/14/36 (C)	-0.07	-0.96	
8/14/37 (C)	0.03	-1.06	
8/14/38 (C)	0.02	0.41	
8/14/39 (C)	-0.02	-1.09	
8/14/40 (C)	-0.03	-1.00	
8/14/41 (C)	0.02	-0.00	
8/14/42 (C)	0.01	0.60	
8/14/43 (C)	-0.07	-0.28	
8/14/44 (C)	-0.22	-2.05	
8/14/45 (C)	-0.22	-0.71	
8/14/46 (C)	-0.14	-1.25	
8/14/47 (C)	0.01	-1.95	
8/14/48 (C)	-0.02	1.25	
8/14/49 (C)	-0.02	1.97	
8/14/50 (C)	-0.26	0.40	
8/14/51 (C)	-0.14	0.18	
8/14/52 (C)	-0.23	2.97	
8/14/53 (C)	-0.18	0.59	
8/14/54 (C)	-0.12	-1.41	
8/14/55 (C)	0.04	-1.00	
8/14/56 (C)	-0.07	1.22	
8/14/57 (C)	-0.10	-0.67	
8/14/58 (C)	-0.06	-0.87	
8/14/59 (C)	-0.22	0.03	
8/14/60 (C)	0.20	0.88	
8/14/61 (C)	-0.07	-0.96	
8/14/62 (C)	0.03	-1.06	
8/14/63 (C)	0.02	0.41	
8/14/64 (C)	-0.02	-1.09	
8/14/65 (C)	-0.03	-1.00	
8/14/66 (C)	0.02	-0.00	
8/14/67 (C)	0.01	0.60	

Date: 31/08/24 Page 34

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kgs)	MX (kgp-m)	
8/14/27 (C)	-0.23	-1.57	
8/14/28 (C)	0.07	-0.04	
8/14/29 (C)	0.06	-0.26	
8/14/30 (C)	0.54	1.70	
8/14/31 (C)	-0.23	-1.72	
8/14/32 (C)	-0.03	-0.87	
8/14/33 (C)	-0.04	-0.41	
8/14/34 (C)	-0.17	-1.39	
8/14/35 (C)	-0.10	-1.25	
8/14/36 (C)	0.01	-0.87	
8/14/37 (C)	-0.01	-0.89	
8/5/18 (C)	0.13	-0.99	
8/5/19 (C)	0.70	-0.07	
8/5/20 (C)	-0.19	-0.23	
8/5/21 (C)	0.30	-0.71	
8/5/22 (C)	0.48	0.00	
8/5/23 (C)	0.13	-0.00	
8/5/24 (C)	0.82	-0.70	
8/5/25 (C)	0.68	-0.53	
8/5/26 (C)	0.80	-0.00	
8/5/27 (C)	0.56	-0.88	
8/5/28 (C)	-0.39	-0.92	
8/5/29 (C)	0.25	-0.71	
8/5/30 (C)	0.40	-0.01	
8/5/31 (C)	0.89	0.00	
8/5/32 (C)	0.28	0.09	
8/5/33 (C)	0.12	0.02	
8/5/34 (C)	0.20	-0.04	
8/5/35 (C)	0.54	0.01	
8/5/36 (C)	-0.00	-0.00	
8/5/37 (C)	0.05	-0.02	
8/6/16 (C)	-0.13	-0.09	
8/6/18 (C)	-0.70	-0.80	
8/6/20 (C)	0.02	-0.52	
8/6/21 (C)	-0.43	-0.71	
8/6/22 (C)	-0.42	0.00	
8/6/23 (C)	-0.13	0.00	
8/6/24 (C)	-0.44	-0.70	
8/6/25 (C)	-0.70	-0.23	
8/6/26 (C)	-0.80	0.00	
8/6/27 (C)	-0.56	0.00	
8/6/28 (C)	0.07	-0.83	
8/6/29 (C)	-0.28	-0.71	
8/6/30 (C)	-0.40	-0.00	
8/6/31 (C)	-0.00	0.00	
8/6/32 (C)	-0.21	0.06	
8/6/33 (C)	-0.16	-0.02	
8/6/34 (C)	-0.62	-0.04	
8/6/35 (C)	-0.69	-0.01	

Date: 31/08/24 Page: 35

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kgs)	MX (kgp-m)	
9/6/26 (C)	-0.15	-0.26	
9/6/27 (C)	-0.10	0.02	
10/8/18 (C)	0.13	-0.00	
10/8/19 (C)	0.70	-0.00	
10/8/20 (C)	-0.02	-0.00	
10/8/21 (C)	0.43	0.71	
10/8/22 (C)	0.06	0.00	
10/8/23 (C)	-0.14	-0.00	
10/8/24 (C)	0.44	0.70	
10/8/25 (C)	0.78	0.50	
10/8/26 (C)	0.52	-0.00	
10/8/27 (C)	0.54	-0.00	
10/8/28 (C)	-0.07	0.00	
10/8/29 (C)	0.28	-0.71	
10/8/30 (C)	0.03	0.00	
10/8/31 (C)	-0.20	0.00	
10/8/32 (C)	0.21	-0.00	
10/8/33 (C)	0.18	-0.00	
10/8/34 (C)	0.67	-0.04	
10/8/35 (C)	0.58	-0.01	
10/8/36 (C)	0.16	-0.00	
10/8/37 (C)	0.09	-0.00	
10/7/18 (C)	0.12	-0.00	
10/7/19 (C)	-0.70	-0.00	
10/7/20 (C)	0.18	0.30	
10/7/21 (C)	-0.30	0.71	
10/7/22 (C)	-0.08	0.00	
10/7/23 (C)	0.15	-0.00	
10/7/24 (C)	-0.32	0.70	
10/7/25 (C)	-0.68	0.53	
10/7/26 (C)	-0.52	-0.00	
10/7/27 (C)	-0.54	-0.00	
10/7/28 (C)	0.24	0.80	
10/7/29 (C)	-0.28	-0.71	
10/7/30 (C)	-0.03	0.00	
10/7/31 (C)	0.20	0.00	
10/7/32 (C)	-0.08	-0.00	
10/7/33 (C)	-0.13	-0.00	
10/7/34 (C)	-0.50	-0.04	
10/7/35 (C)	-0.54	-0.01	
10/7/36 (C)	0.00	-0.00	
10/7/37 (C)	-0.08	-0.00	
11/7/18 (C)	0.22	-0.00	
11/7/19 (C)	1.14	-0.00	
11/7/20 (C)	0.78	-0.00	
11/7/21 (C)	0.22	-0.00	
11/7/22 (C)	-0.14	0.34	
11/7/23 (C)	0.62	0.70	
11/7/24 (C)	1.31	-0.00	

Date: 31/08/24 Page: 36

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
BarNodeCase	FZ (kN)	MX (kN-m)	
11/ 7/25 (C)	0.91	-0.03	
11/ 7/26 (C)	0.64	0.18	
11/ 7/27 (C)	1.22	0.14	
11/ 7/28 (C)	0.66	-0.03	
11/ 7/29 (C)	0.33	-0.00	
11/ 7/30 (C)	-0.23	-0.24	
11/ 7/31 (C)	0.54	0.18	
11/ 7/32 (C)	0.34	0.01	
11/ 7/33 (C)	0.27	-0.02	
11/ 7/34 (C)	0.93	-0.01	
11/ 7/35 (C)	0.59	-0.02	
11/ 7/36 (C)	0.13	-0.01	
11/ 7/37 (C)	0.16	-0.02	
11/ 8/18 (C)	-0.22	-0.00	
11/ 8/19 (C)	-1.34	-0.00	
11/ 8/20 (C)	-0.18	-0.00	
11/ 8/21 (C)	-0.22	-0.00	
11/ 8/22 (C)	0.20	0.24	
11/ 8/23 (C)	-0.56	0.18	
11/ 8/24 (C)	-1.31	-0.00	
11/ 8/25 (C)	-0.91	0.00	
11/ 8/26 (C)	-0.60	0.18	
11/ 8/27 (C)	-1.36	0.14	
11/ 8/28 (C)	-0.66	-0.00	
11/ 8/29 (C)	-0.13	-0.00	
11/ 8/30 (C)	0.20	0.24	
11/ 8/31 (C)	-0.48	0.18	
11/ 8/32 (C)	-0.22	-0.01	
11/ 8/33 (C)	-0.19	-0.02	
11/ 8/34 (C)	-0.91	-0.01	
11/ 8/35 (C)	-0.89	-0.02	
11/ 8/36 (C)	-0.11	-0.01	
11/ 8/37 (C)	-0.09	-0.02	
12/ 6/18 (C)	0.22	-0.01	
12/ 6/19 (C)	1.14	0.00	
12/ 6/20 (C)	0.13	0.30	
12/ 6/21 (C)	-0.25	0.00	
12/ 6/22 (C)	-0.20	-0.24	
12/ 6/23 (C)	0.50	-0.18	
12/ 6/24 (C)	0.65	0.30	
12/ 6/25 (C)	0.56	0.30	
12/ 6/26 (C)	0.60	-0.18	
12/ 6/27 (C)	1.18	0.00	
12/ 6/28 (C)	0.08	-0.02	
12/ 6/29 (C)	-0.03	-0.00	
12/ 6/30 (C)	-0.26	-0.24	
12/ 6/31 (C)	0.49	-0.18	
12/ 6/32 (C)	0.22	0.00	
12/ 6/33 (C)	0.19	-0.02	

Date: 31/05/24 Page: 37

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
BarNodeCase	FZ (kN)	MX (kN-m)	
12/ 6/34 (C)	0.91	-0.03	
12/ 6/35 (C)	0.69	0.02	
12/ 6/36 (C)	0.11	-0.01	
12/ 6/37 (C)	0.08	0.02	
12/ 6/38 (C)	-0.22	-0.00	
12/ 6/39 (C)	-1.14	0.00	
12/ 6/40 (C)	-0.18	0.00	
12/ 6/41 (C)	0.25	0.00	
12/ 6/42 (C)	0.14	-0.24	
12/ 6/43 (C)	-0.62	-0.18	
12/ 6/44 (C)	-0.60	0.00	
12/ 6/45 (C)	-0.56	0.00	
12/ 6/46 (C)	-0.64	-0.18	
12/ 6/47 (C)	-1.22	-0.14	
12/ 6/48 (C)	-0.05	-0.00	
12/ 6/49 (C)	0.32	-0.00	
12/ 6/50 (C)	0.22	-0.24	
12/ 6/51 (C)	0.54	-0.18	
12/ 6/52 (C)	-0.24	0.00	
12/ 6/53 (C)	0.27	0.00	
12/ 6/54 (C)	-0.20	0.00	
12/ 6/55 (C)	-0.28	0.00	
12/ 6/56 (C)	-0.12	0.00	
12/ 6/57 (C)	-0.16	0.00	
13/ 14/18 (C)	0.27	0.00	
13/ 14/19 (C)	0.34	0.00	
13/ 14/20 (C)	0.14	-0.00	
13/ 14/21 (C)	0.01	-0.00	
13/ 14/22 (C)	0.03	-0.00	
13/ 14/23 (C)	0.23	-0.00	
13/ 14/24 (C)	0.32	-0.00	
13/ 14/25 (C)	0.22	-0.00	
13/ 14/26 (C)	0.24	-0.00	
13/ 14/27 (C)	0.08	-0.00	
13/ 14/28 (C)	0.11	-0.00	
13/ 14/29 (C)	-0.02	-0.00	
13/ 14/30 (C)	0.00	-0.00	
13/ 14/31 (C)	0.25	-0.00	
13/ 14/32 (C)	0.09	-0.00	
13/ 14/33 (C)	0.18	0.00	
13/ 14/34 (C)	0.26	-0.00	
13/ 14/35 (C)	0.31	0.00	
13/ 14/36 (C)	0.06	-0.00	
13/ 14/37 (C)	0.09	-0.00	
13/ 13/18 (C)	-0.07	0.00	
13/ 13/19 (C)	-0.24	0.00	
13/ 13/20 (C)	-0.14	-0.00	
13/ 13/21 (C)	-0.01	-0.00	
13/ 13/22 (C)	0.10	-0.00	

Date: 31/05/24 Page: 38

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
13 13 23 (C)	-0.13	-0.00	
13 13 24 (C)	-0.20	-0.00	
13 13 25 (C)	-0.22	-0.00	
13 13 26 (C)	-0.14	-0.00	
13 13 27 (C)	-0.31	-0.00	
13 13 28 (C)	-0.11	-0.00	
13 13 29 (C)	0.02	-0.00	
13 13 30 (C)	0.13	-0.00	
13 13 31 (C)	-0.10	-0.00	
13 13 32 (C)	-0.16	-0.00	
13 13 33 (C)	-0.03	-0.00	
13 13 34 (C)	-0.20	-0.00	
13 13 35 (C)	-0.34	-0.00	
13 13 36 (C)	-0.03	-0.00	
13 13 37 (C)	0.01	-0.00	
14 9 16 (C)	0.06	0.00	
14 9 19 (C)	0.29	0.00	
14 9 20 (C)	-0.05	0.00	
14 9 21 (C)	0.16	0.00	
14 9 22 (C)	0.20	0.00	
14 9 23 (C)	0.06	0.00	
14 9 24 (C)	0.15	0.00	
14 9 25 (C)	0.31	0.00	
14 9 26 (C)	0.36	0.00	
14 9 27 (C)	0.23	0.00	
14 9 28 (C)	-0.07	0.00	
14 9 29 (C)	0.14	0.00	
14 9 30 (C)	0.10	0.00	
14 9 31 (C)	0.03	0.00	
14 9 32 (C)	0.06	0.00	
14 9 33 (C)	0.06	0.00	
14 9 34 (C)	0.15	0.00	
14 9 35 (C)	0.24	0.00	
14 9 36 (C)	0.03	-0.00	
14 9 37 (C)	0.04	0.00	
14 10 18 (C)	-0.09	0.00	
14 10 19 (C)	-0.29	0.00	
14 10 20 (C)	-0.02	0.00	
14 10 21 (C)	-0.10	0.00	
14 10 22 (C)	-0.20	0.00	
14 10 23 (C)	-0.06	0.00	
14 10 24 (C)	-0.16	0.00	
14 10 25 (C)	-0.31	0.00	
14 10 26 (C)	-0.34	0.00	
14 10 27 (C)	-0.23	0.00	
14 10 28 (C)	0.07	0.00	
14 10 29 (C)	-0.14	0.00	
14 10 30 (C)	-0.10	0.00	
14 10 31 (C)	-0.03	0.00	

Date: 31/05/24 Page: 39

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
14 10 32 (C)	-0.06	0.00	
14 10 33 (C)	-0.06	0.00	
14 10 34 (C)	-0.23	0.00	
14 10 35 (C)	-0.24	0.00	
14 10 36 (C)	-0.02	0.00	
14 10 37 (C)	-0.04	0.00	
15 12 16 (C)	0.06	0.00	
15 12 19 (C)	0.29	0.00	
15 12 20 (C)	-0.05	0.00	
15 12 21 (C)	0.16	0.00	
15 12 22 (C)	0.03	0.00	
15 12 23 (C)	-0.07	0.00	
15 12 24 (C)	0.15	0.00	
15 12 25 (C)	0.01	0.00	
15 12 26 (C)	0.21	0.00	
15 12 27 (C)	0.11	0.00	
15 12 28 (C)	-0.07	0.00	
15 12 29 (C)	0.14	0.00	
15 12 30 (C)	0.01	0.00	
15 12 31 (C)	-0.10	0.00	
15 12 32 (C)	0.06	0.00	
15 12 33 (C)	0.06	0.00	
15 12 34 (C)	0.23	0.00	
15 12 35 (C)	0.23	0.00	
15 12 36 (C)	0.03	0.00	
15 12 37 (C)	0.03	0.00	
15 11 16 (C)	-0.06	0.00	
15 11 19 (C)	-0.29	0.00	
15 11 20 (C)	0.05	0.00	
15 11 21 (C)	-0.14	0.00	
15 11 22 (C)	-0.03	0.00	
15 11 23 (C)	0.07	0.00	
15 11 24 (C)	-0.15	0.00	
15 11 25 (C)	-0.01	0.00	
15 11 26 (C)	-0.21	0.00	
15 11 27 (C)	-0.11	0.00	
15 11 28 (C)	0.07	0.00	
15 11 29 (C)	-0.14	0.00	
15 11 30 (C)	-0.01	0.00	
15 11 31 (C)	0.10	0.00	
15 11 32 (C)	-0.06	0.00	
15 11 33 (C)	-0.06	0.00	
15 11 34 (C)	-0.23	0.00	
15 11 35 (C)	-0.23	0.00	
15 11 36 (C)	-0.03	0.00	
15 11 37 (C)	-0.03	0.00	
16 11 16 (C)	0.13	0.00	
16 11 19 (C)	0.06	0.00	
16 11 20 (C)	0.42	0.00	

Date: 31/05/24 Page: 40

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
16/ 11/21 (C)	0.13	0.0	
16/ 11/22 (C)	-0.12	0.0	
16/ 11/23 (C)	0.37	0.0	
16/ 11/24 (C)	0.79	0.0	
16/ 11/25 (C)	0.53	0.0	
16/ 11/26 (C)	-0.34	0.0	
16/ 11/27 (C)	0.71	0.0	
16/ 11/28 (C)	0.41	0.0	
16/ 11/29 (C)	0.09	0.0	
16/ 11/30 (C)	-0.17	0.0	
16/ 11/31 (C)	0.22	0.0	
16/ 11/32 (C)	0.14	0.0	
16/ 11/33 (C)	0.14	0.0	
16/ 11/34 (C)	0.54	0.0	
16/ 11/35 (C)	0.55	0.0	
16/ 11/36 (C)	0.06	0.0	
16/ 11/37 (C)	0.07	0.0	
16/ 9/18 (C)	-0.13	0.0	
16/ 9/19 (C)	-0.66	0.0	
16/ 9/20 (C)	-0.46	0.0	
16/ 9/21 (C)	-0.13	0.0	
16/ 9/22 (C)	-0.12	0.0	
16/ 9/23 (C)	-0.37	0.0	
16/ 9/24 (C)	-0.76	0.0	
16/ 9/25 (C)	-0.53	0.0	
16/ 9/26 (C)	-0.34	0.0	
16/ 9/27 (C)	-0.71	0.0	
16/ 9/28 (C)	-0.41	0.0	
16/ 9/29 (C)	-0.09	0.0	
16/ 9/30 (C)	0.17	0.0	
16/ 9/31 (C)	-0.32	0.0	
16/ 9/32 (C)	-0.14	0.0	
16/ 9/33 (C)	-0.14	0.0	
16/ 9/34 (C)	-0.54	0.0	
16/ 9/35 (C)	-0.55	0.0	
16/ 9/36 (C)	-0.06	0.0	
16/ 9/37 (C)	-0.07	0.0	
17/ 10/18 (C)	0.13	0.0	
17/ 10/19 (C)	0.66	0.0	
17/ 10/20 (C)	0.67	0.0	
17/ 10/21 (C)	-0.17	0.0	
17/ 10/22 (C)	-0.12	0.0	
17/ 10/23 (C)	0.37	0.0	
17/ 10/24 (C)	0.49	0.0	
17/ 10/25 (C)	0.30	0.0	
17/ 10/26 (C)	0.34	0.0	
17/ 10/27 (C)	0.71	0.0	
17/ 10/28 (C)	0.52	0.0	
17/ 10/29 (C)	-0.22	0.0	

Date: 31/05/24 Page: 41

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
17/ 10/30 (C)	-0.17	0.0	
17/ 10/31 (C)	0.22	0.0	
17/ 10/32 (C)	0.12	0.0	
17/ 10/33 (C)	0.13	0.0	
17/ 10/34 (C)	0.53	0.0	
17/ 10/35 (C)	0.51	0.0	
17/ 10/36 (C)	0.06	0.0	
17/ 10/37 (C)	0.07	0.0	
17/ 10/38 (C)	-0.14	0.0	
17/ 10/39 (C)	-0.06	0.0	
17/ 10/40 (C)	-0.07	0.0	
17/ 10/41 (C)	0.17	0.0	
17/ 10/42 (C)	0.14	0.0	
17/ 10/43 (C)	-0.37	0.0	
17/ 10/44 (C)	-0.49	0.0	
17/ 10/45 (C)	-0.30	0.0	
17/ 10/46 (C)	-0.34	0.0	
17/ 10/47 (C)	0.71	0.0	
17/ 10/48 (C)	-0.02	0.0	
17/ 10/49 (C)	0.22	0.0	
17/ 10/50 (C)	0.77	0.0	
17/ 10/51 (C)	-0.22	0.0	
17/ 10/52 (C)	-0.12	0.0	
17/ 10/53 (C)	-0.14	0.0	
17/ 10/54 (C)	-0.22	0.0	
17/ 10/55 (C)	-0.50	0.0	
17/ 10/56 (C)	-0.26	0.0	
17/ 10/57 (C)	-0.07	0.0	
17/ 10/58 (C)	0.0	0.0	
18/ 5/18 (C)	-0.00	0.00	
18/ 5/19 (C)	-0.00	0.00	
18/ 5/20 (C)	0.01	0.00	
18/ 5/21 (C)	-0.00	0.00	
18/ 5/22 (C)	-0.01	0.00	
18/ 5/23 (C)	0.00	0.00	
18/ 5/24 (C)	0.01	0.00	
18/ 5/25 (C)	-0.00	0.00	
18/ 5/26 (C)	-0.01	0.00	
18/ 5/27 (C)	0.00	0.00	
18/ 5/28 (C)	0.01	0.00	
18/ 5/29 (C)	-0.00	0.00	
18/ 5/30 (C)	-0.01	0.00	
18/ 5/31 (C)	0.00	0.00	
18/ 5/32 (C)	0.00	0.00	
18/ 5/33 (C)	-0.00	0.00	
18/ 5/34 (C)	0.00	0.00	
18/ 5/35 (C)	-0.00	0.00	
18/ 5/36 (C)	0.00	0.00	
18/ 5/37 (C)	-0.00	0.00	
18/ 5/38 (C)	-0.00	0.00	

Date: 31/05/24 Page: 42

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-106-33.rtd	
Author:		Project: RH18X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
18/ 16/ 19 (C)	-0.00	-0.00	
18/ 16/ 20 (C)	-0.00	0.00	
18/ 16/ 21 (C)	-0.00	-0.00	
18/ 16/ 22 (C)	-0.00	0.00	
18/ 16/ 23 (C)	-0.00	-0.00	
18/ 16/ 24 (C)	-0.00	0.00	
18/ 16/ 25 (C)	-0.00	-0.00	
18/ 16/ 26 (C)	-0.00	0.00	
18/ 16/ 27 (C)	-0.00	0.00	
18/ 16/ 28 (C)	-0.00	0.00	
18/ 16/ 29 (C)	-0.00	0.00	
18/ 16/ 30 (C)	-0.00	0.00	
18/ 16/ 31 (C)	-0.00	0.00	
18/ 16/ 32 (C)	-0.00	0.00	
18/ 16/ 33 (C)	-0.00	0.00	
18/ 16/ 34 (C)	-0.00	0.00	
18/ 16/ 35 (C)	-0.00	0.00	
18/ 16/ 36 (C)	-0.00	0.00	
18/ 16/ 37 (C)	-0.00	0.00	
18/ 6/ 18 (C)	-0.00	-0.00	
18/ 6/ 19 (C)	-0.00	-0.00	
18/ 6/ 20 (C)	-0.00	-0.00	
18/ 6/ 21 (C)	0.01	-0.01	
18/ 6/ 22 (C)	0.01	-0.01	
18/ 6/ 23 (C)	-0.00	-0.00	
18/ 6/ 24 (C)	-0.00	-0.00	
18/ 6/ 25 (C)	0.01	-0.01	
18/ 6/ 26 (C)	0.01	-0.01	
18/ 6/ 27 (C)	-0.00	-0.00	
18/ 6/ 28 (C)	-0.00	-0.00	
18/ 6/ 29 (C)	0.01	-0.00	
18/ 6/ 30 (C)	-0.01	-0.00	
18/ 6/ 31 (C)	-0.00	-0.00	
18/ 6/ 32 (C)	0.00	-0.00	
18/ 6/ 33 (C)	0.00	-0.00	
18/ 6/ 34 (C)	0.00	-0.00	
18/ 6/ 35 (C)	0.00	-0.00	
18/ 6/ 36 (C)	0.00	-0.00	
18/ 6/ 37 (C)	0.00	-0.00	
18/ 16/ 18 (C)	-0.00	0.00	
18/ 16/ 19 (C)	-0.00	0.00	
18/ 16/ 20 (C)	0.00	0.00	
18/ 16/ 21 (C)	0.00	0.00	
18/ 16/ 22 (C)	0.00	0.00	
18/ 16/ 23 (C)	0.00	0.00	
18/ 16/ 24 (C)	0.00	0.00	
18/ 16/ 25 (C)	0.00	0.00	
18/ 16/ 26 (C)	0.00	0.00	
18/ 16/ 27 (C)	0.00	0.00	

Date: 31/05/24 Page: 43

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-106-33.rtd	
Author:		Project: RH18X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kN)	MX (kN-m)	
19/ 16/ 28 (C)	0.00	0.00	
19/ 16/ 29 (C)	0.00	0.00	
19/ 16/ 30 (C)	0.00	0.00	
19/ 16/ 31 (C)	0.00	0.00	
19/ 16/ 32 (C)	0.00	0.00	
19/ 16/ 33 (C)	0.00	0.00	
19/ 16/ 34 (C)	0.00	0.00	
19/ 16/ 35 (C)	0.00	0.00	
19/ 16/ 36 (C)	0.00	0.00	
19/ 16/ 37 (C)	0.00	0.00	
20/ 7/ 18 (C)	0.00	0.00	
20/ 7/ 19 (C)	0.00	0.00	
20/ 7/ 20 (C)	-0.01	0.00	
20/ 7/ 21 (C)	0.00	-0.00	
20/ 7/ 22 (C)	0.00	0.00	
20/ 7/ 23 (C)	-0.01	0.00	
20/ 7/ 24 (C)	-0.01	0.00	
20/ 7/ 25 (C)	0.00	0.00	
20/ 7/ 26 (C)	0.00	0.00	
20/ 7/ 27 (C)	0.00	0.00	
20/ 7/ 28 (C)	-0.01	0.00	
20/ 7/ 29 (C)	0.00	0.00	
20/ 7/ 30 (C)	0.00	0.00	
20/ 7/ 31 (C)	-0.01	0.00	
20/ 7/ 32 (C)	-0.00	0.00	
20/ 7/ 33 (C)	-0.00	0.00	
20/ 7/ 34 (C)	-0.00	0.00	
20/ 7/ 35 (C)	-0.00	0.00	
20/ 7/ 36 (C)	-0.00	0.00	
20/ 7/ 37 (C)	-0.00	0.00	
20/ 17/ 18 (C)	0.00	0.00	
20/ 17/ 19 (C)	0.00	0.00	
20/ 17/ 20 (C)	0.00	0.00	
20/ 17/ 21 (C)	0.00	-0.00	
20/ 17/ 22 (C)	0.00	-0.00	
20/ 17/ 23 (C)	0.00	0.00	
20/ 17/ 24 (C)	0.00	0.00	
20/ 17/ 25 (C)	0.00	0.00	
20/ 17/ 26 (C)	0.00	0.00	
20/ 17/ 27 (C)	0.00	0.00	
20/ 17/ 28 (C)	0.00	0.00	
20/ 17/ 29 (C)	0.00	-0.00	
20/ 17/ 30 (C)	0.00	-0.00	
20/ 17/ 31 (C)	0.00	-0.00	
20/ 17/ 32 (C)	0.00	-0.00	
20/ 17/ 33 (C)	0.00	0.00	
20/ 17/ 34 (C)	0.00	0.00	
20/ 17/ 35 (C)	0.00	0.00	
20/ 17/ 36 (C)	0.00	-0.00	

Date: 31/05/24 Page: 44

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-106-33.rtd	
Author:		Project: RH18X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	FZ (kg)	MX (kg-m)	
20/ 17/07 (C)	0.00	-0.30	
21/ 8/18 (C)	0.00	-0.00	
21/ 8/19 (C)	0.00	-0.00	
21/ 8/20 (C)	0.00	-0.30	
21/ 8/21 (C)	0.01	-0.00	
21/ 8/22 (C)	-0.00	-0.01	
21/ 8/23 (C)	0.01	-0.00	
21/ 8/24 (C)	0.00	-0.01	
21/ 8/25 (C)	0.01	-0.00	
21/ 8/26 (C)	-0.00	-0.00	
21/ 8/27 (C)	0.01	-0.00	
21/ 8/28 (C)	0.00	-0.00	
21/ 8/29 (C)	-0.01	-0.00	
21/ 8/30 (C)	-0.00	-0.00	
21/ 8/31 (C)	0.01	-0.00	
21/ 8/32 (C)	-0.00	-0.00	
21/ 8/33 (C)	0.00	-0.00	
21/ 8/34 (C)	-0.00	-0.00	
21/ 8/35 (C)	0.00	-0.00	
21/ 8/36 (C)	-0.00	-0.00	
21/ 8/37 (C)	-0.00	-0.00	
21/ 10/18 (C)	-0.00	-0.00	
21/ 10/19 (C)	-0.00	-0.00	
21/ 10/20 (C)	0.00	-0.00	
21/ 10/21 (C)	0.00	-0.00	
21/ 10/22 (C)	0.00	-0.00	
21/ 10/23 (C)	0.00	-0.00	
21/ 10/24 (C)	-0.00	-0.00	
21/ 10/25 (C)	0.00	-0.00	
21/ 10/26 (C)	0.00	-0.00	
21/ 10/27 (C)	-0.00	-0.00	
21/ 10/28 (C)	0.00	-0.00	
21/ 10/29 (C)	0.00	-0.00	
21/ 10/30 (C)	0.00	-0.00	
21/ 10/31 (C)	0.00	-0.00	
21/ 10/32 (C)	0.00	-0.00	
21/ 10/33 (C)	0.00	-0.00	
21/ 10/34 (C)	0.00	-0.00	
21/ 10/35 (C)	0.00	-0.00	
21/ 10/36 (C)	0.00	-0.00	
21/ 10/37 (C)	0.00	-0.00	
Bar/Node/Case	MY (kg-m)	MZ (kg-m)	
1/ 1/18 (C)	-3.28	-1.86	
1/ 1/19 (C)	-19.85	-9.41	
1/ 1/20 (C)	-2.16	-11.86	
1/ 1/21 (C)	2.80	-7.16	
1/ 1/22 (C)	4.11	-11.25	
1/ 1/23 (C)	-3.21	-12.25	
1/ 1/24 (C)	-9.66	-21.58	

Date: 31/05/24 Page: 45

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-106-33.rtd	
Author:		Project: RH18X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	MY (kg-m)	MZ (kg-m)	
1/ 1/25 (C)	8.73	-11.32	
1/ 1/26 (C)	-7.60	-2.97	
1/ 1/27 (C)	-13.09	-8.06	
1/ 1/28 (C)	6.48	-19.27	
1/ 1/29 (C)	2.97	-16.48	
1/ 1/30 (C)	5.47	-12.30	
1/ 1/31 (C)	-1.90	-1.80	
1/ 1/32 (C)	9.51	-7.83	
1/ 1/33 (C)	9.01	-4.93	
1/ 1/34 (C)	-4.00	-11.90	
1/ 1/35 (C)	-4.00	-3.53	
1/ 1/36 (C)	10.10	-6.88	
1/ 1/37 (C)	-10.49	-9.70	
1/ 5/18 (C)	2.29	-3.30	
1/ 5/19 (C)	11.81	18.50	
1/ 5/20 (C)	9.63	27.21	
1/ 5/21 (C)	4.50	9.63	
1/ 5/22 (C)	9.00	-15.00	
1/ 5/23 (C)	12.28	17.70	
1/ 5/24 (C)	-26.58	20.80	
1/ 5/25 (C)	-20.79	16.40	
1/ 5/26 (C)	22.59	0.80	
1/ 5/27 (C)	-26.76	-20.81	
1/ 5/28 (C)	5.51	-30.80	
1/ 5/29 (C)	1.70	-3.21	
1/ 5/30 (C)	-2.48	-16.40	
1/ 5/31 (C)	9.18	-9.81	
1/ 5/32 (C)	-1.90	-7.90	
1/ 5/33 (C)	-1.82	-0.06	
1/ 5/34 (C)	12.10	18.10	
1/ 5/35 (C)	19.50	12.19	
1/ 5/36 (C)	-5.00	9.18	
1/ 5/37 (C)	-4.50	-1.80	
2/ 2/18 (C)	-5.30	-1.80	
2/ 2/19 (C)	-16.40	3.41	
2/ 2/20 (C)	-10.81	-6.81	
2/ 2/21 (C)	-7.16	-12.21	
2/ 2/22 (C)	4.11	-11.60	
2/ 2/23 (C)	-3.21	-3.50	
2/ 2/24 (C)	-18.64	1.00	
2/ 2/25 (C)	-16.00	-8.80	
2/ 2/26 (C)	-7.60	-3.97	
2/ 2/27 (C)	-19.80	-6.00	
2/ 2/28 (C)	-1.90	-7.80	
2/ 2/29 (C)	-5.00	-16.00	
2/ 2/30 (C)	5.47	-12.30	
2/ 2/31 (C)	-1.80	1.80	
2/ 2/32 (C)	-0.62	-8.80	
2/ 2/33 (C)	3.43	-6.90	

Date: 31/05/24 Page: 46

Autodesk Robot Structural Analysis Professional 2021			
Author:		File: RH19X27-10M-P4-20-105-33.rtd	
Address:		Project: RH19X27-10M-P4-20-105-33	
Bar/Node/Case	MY (kg-m)	MC (kg-m)	
2/2/34 (C)	-17.90	33.87	
2/2/36 (C)	-8.11	-4.23	
2/2/36 (C)	-8.01	-10.39	
2/2/37 (C)	5.05	-10.87	
2/6/19 (C)	8.29	-2.25	
2/6/19 (C)	31.63	-10.55	
2/6/20 (C)	0.19	1.07	
2/6/21 (C)	4.41	17.05	
2/6/22 (C)	0.29	15.30	
2/6/22 (C)	12.26	-11.29	
2/6/24 (C)	29.70	-11.25	
2/6/25 (C)	-22.97	-3.94	
2/6/26 (C)	-33.59	-0.90	
2/6/27 (C)	-29.78	-20.61	
2/6/28 (C)	9.68	1.48	
2/6/29 (C)	1.80	19.87	
2/6/30 (C)	-3.45	16.23	
2/6/31 (C)	0.76	-0.67	
2/6/32 (C)	11.54	5.77	
2/6/33 (C)	2.05	-2.45	
2/6/34 (C)	-29.22	-6.82	
2/6/35 (C)	22.54	-6.56	
2/6/36 (C)	0.42	-5.22	
2/6/37 (C)	-0.48	5.20	
3/3/18 (C)	-3.29	1.80	
3/3/19 (C)	-19.42	9.61	
3/3/20 (C)	3.16	19.86	
3/3/21 (C)	2.90	1.98	
3/3/22 (C)	-4.20	3.80	
3/3/23 (C)	-8.63	13.20	
3/3/24 (C)	-8.08	21.14	
3/3/25 (C)	-8.79	19.52	
3/3/26 (C)	-12.90	-8.70	
3/3/27 (C)	-17.92	16.82	
3/3/28 (C)	3.48	19.27	
3/3/29 (C)	2.81	9.44	
3/3/30 (C)	-2.01	2.09	
3/3/31 (C)	-9.25	11.22	
3/3/32 (C)	3.75	13.35	
3/3/33 (C)	-10.81	15.75	
3/3/34 (C)	0.82	16.10	
3/3/35 (C)	-18.41	16.47	
3/3/36 (C)	6.37	-3.27	
3/3/37 (C)	-8.88	12.96	
3/7/18 (C)	6.29	-3.83	
3/7/19 (C)	31.83	-16.55	
3/7/20 (C)	8.03	-27.31	
3/7/21 (C)	4.38	-4.93	
3/7/22 (C)	0.25	-3.74	

Date: 31/05/24 Page: 47

Autodesk Robot Structural Analysis Professional 2021			
Author:		File: RH19X27-10M-P4-20-105-33.rtd	
Address:		Project: RH19X27-10M-P4-20-105-33	
Bar/Node/Case	MY (kg-m)	MC (kg-m)	
3/7/23 (C)	12.48	32.88	
3/7/24 (C)	-28.59	-23.60	
3/7/25 (C)	20.79	-15.40	
3/7/26 (C)	-20.78	-10.11	
3/7/27 (C)	29.92	-27.86	
3/7/28 (C)	5.51	-29.89	
3/7/29 (C)	1.78	-3.21	
3/7/30 (C)	-2.23	4.13	
3/7/31 (C)	9.96	19.26	
3/7/32 (C)	1.63	-11.17	
3/7/33 (C)	-10.89	-10.89	
3/7/34 (C)	21.79	-25.26	
3/7/35 (C)	-29.47	-20.28	
3/7/36 (C)	-1.41	-6.42	
3/7/37 (C)	7.42	9.11	
4/4/16 (C)	-3.29	-8.89	
4/4/19 (C)	-16.43	-9.41	
4/4/20 (C)	-10.61	8.91	
4/4/21 (C)	-7.16	18.31	
4/4/22 (C)	-4.33	-2.85	
4/4/23 (C)	-8.26	-12.55	
4/4/24 (C)	-18.64	-1.59	
4/4/25 (C)	-16.06	-3.80	
4/4/26 (C)	-13.93	-6.26	
4/4/27 (C)	-17.92	16.32	
4/4/28 (C)	-9.20	3.25	
4/4/29 (C)	-5.69	14.00	
4/4/30 (C)	-3.91	-3.08	
4/4/31 (C)	-8.20	-12.88	
4/4/32 (C)	-15.20	3.93	
4/4/33 (C)	-15.78	-8.59	
4/4/34 (C)	-22.21	-8.21	
4/4/35 (C)	-22.89	-12.82	
4/4/36 (C)	-10.76	4.81	
4/4/37 (C)	-14.13	-7.70	
4/8/18 (C)	8.29	2.20	
4/8/19 (C)	11.81	16.25	
4/8/20 (C)	8.18	-1.01	
4/8/21 (C)	4.41	-19.05	
4/8/22 (C)	0.29	-3.71	
4/8/23 (C)	12.48	20.88	
4/8/24 (C)	-26.76	11.26	
4/8/25 (C)	-21.87	-9.64	
4/8/26 (C)	-26.78	10.11	
4/8/27 (C)	-29.82	27.88	
4/8/28 (C)	5.66	-2.46	
4/8/29 (C)	1.80	-16.47	
4/8/30 (C)	-2.23	-8.19	
4/8/31 (C)	9.96	19.26	

Date: 31/05/24 Page: 48

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-106-33.rtd	
Author:		Project: RH18X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	MY (kN-m)	MC (kN-m)	
4/8/22 (C)	15.15	33.22	
4/8/23 (C)	14.58	3.38	
4/8/24 (C)	31.81	11.75	
4/8/25 (C)	31.51	17.98	
4/8/26 (C)	12.52	-2.29	
4/8/27 (C)	11.43	-2.44	
5/5/18 (C)	1.77	0.23	
5/5/19 (C)	12.34	1.24	
5/5/20 (C)	5.29	-5.87	
5/5/21 (C)	2.58	2.23	
5/5/22 (C)	-1.37	-2.22	
5/5/23 (C)	-4.42	-3.82	
5/5/24 (C)	12.57	-9.58	
5/5/25 (C)	19.40	2.48	
5/5/26 (C)	7.20	9.25	
5/5/27 (C)	11.56	-2.18	
5/5/28 (C)	3.03	-2.96	
5/5/29 (C)	0.29	3.14	
5/5/30 (C)	-3.68	2.62	
5/5/31 (C)	5.74	-4.35	
5/5/32 (C)	4.81	-1.22	
5/5/33 (C)	4.22	0.94	
5/5/34 (C)	17.97	-9.48	
5/5/35 (C)	11.89	1.29	
5/5/36 (C)	3.29	-1.32	
5/5/37 (C)	3.75	0.92	
5/5/38 (C)	-1.31	-0.02	
5/5/39 (C)	-9.89	-0.25	
5/5/40 (C)	-3.16	-0.71	
5/5/41 (C)	-9.83	0.81	
5/5/42 (C)	2.57	1.48	
5/5/43 (C)	-1.88	-0.98	
5/5/44 (C)	-6.28	-0.77	
5/5/45 (C)	-4.40	-0.42	
5/5/46 (C)	-1.39	0.99	
5/5/47 (C)	-2.22	-0.61	
5/5/48 (C)	-2.65	-0.70	
5/5/49 (C)	9.12	0.22	
5/5/50 (C)	3.08	-1.49	
5/5/51 (C)	-1.00	-0.57	
5/5/52 (C)	-1.89	0.03	
5/5/53 (C)	-0.82	0.20	
5/5/54 (C)	-3.30	-0.78	
5/5/55 (C)	-4.20	-0.23	
5/5/56 (C)	-7.24	0.06	
5/5/57 (C)	-0.17	0.21	
5/5/58 (C)	1.72	-0.22	
5/5/59 (C)	12.14	-1.28	
5/5/60 (C)	-0.12	-1.12	

Date: 31/05/24 Page: 49

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-106-33.rtd	
Author:		Project: RH18X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	MY (kN-m)	MC (kN-m)	
6/6/21 (C)	-1.82	-2.82	
6/6/22 (C)	-1.37	-8.92	
6/6/23 (C)	4.43	3.34	
6/6/24 (C)	8.14	0.02	
6/6/25 (C)	2.01	-3.19	
6/6/26 (C)	7.20	-3.25	
6/6/27 (C)	11.56	2.14	
6/6/28 (C)	-0.62	0.34	
6/6/29 (C)	-2.32	-5.74	
6/6/30 (C)	-2.08	-2.80	
6/6/31 (C)	2.19	-4.03	
6/6/32 (C)	0.87	-3.86	
6/6/33 (C)	3.18	-3.81	
6/6/34 (C)	8.21	-3.26	
6/6/35 (C)	10.61	-2.32	
6/6/36 (C)	0.81	-2.75	
6/6/37 (C)	2.31	-3.82	
6/6/38 (C)	-1.31	0.02	
6/6/39 (C)	-0.69	0.25	
6/6/40 (C)	-1.17	0.67	
6/6/41 (C)	0.41	-0.61	
6/6/42 (C)	2.57	-1.48	
6/6/43 (C)	-1.89	0.98	
6/6/44 (C)	-5.24	0.80	
6/6/45 (C)	-3.60	-0.34	
6/6/46 (C)	-1.29	-0.84	
6/6/47 (C)	-5.22	0.81	
6/6/48 (C)	-1.25	0.99	
6/6/49 (C)	0.94	-0.78	
6/6/50 (C)	2.09	-1.49	
6/6/51 (C)	-1.28	0.57	
6/6/52 (C)	-0.89	-0.96	
6/6/53 (C)	-0.21	-0.21	
6/6/54 (C)	-4.20	0.15	
6/6/55 (C)	-4.19	0.02	
6/6/56 (C)	0.28	-0.02	
6/6/57 (C)	0.28	-0.20	
7/7/18 (C)	1.17	-0.25	
7/7/19 (C)	12.14	-1.28	
7/7/20 (C)	5.60	0.80	
7/7/21 (C)	2.90	-2.22	
7/7/22 (C)	-0.87	-4.17	
7/7/23 (C)	4.83	-5.27	
7/7/24 (C)	12.57	-3.26	
7/7/25 (C)	19.40	-2.48	
7/7/26 (C)	7.57	-3.14	
7/7/27 (C)	11.85	3.14	
7/7/28 (C)	5.09	-2.26	
7/7/29 (C)	2.29	-3.14	

Date: 31/05/24 Page: 50

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
BarNode/Case	MY (kg-m)	MC (kg-m)	
7/7/30 (C)	-1.56	-4.03	
7/7/31 (C)	4.15	-3.35	
7/7/32 (C)	3.64	3.39	
7/7/33 (C)	0.55	1.53	
7/7/34 (C)	10.95	0.97	
7/7/35 (C)	9.62	0.55	
7/7/36 (C)	2.77	3.49	
7/7/37 (C)	-0.26	1.64	
7/14/18 (C)	-1.31	0.02	
7/14/19 (C)	-6.89	0.25	
7/14/20 (C)	-3.16	0.71	
7/14/21 (C)	-0.58	-0.87	
7/14/22 (C)	-1.20	-0.40	
7/14/23 (C)	-4.75	1.41	
7/14/24 (C)	4.29	0.71	
7/14/25 (C)	-4.40	0.93	
7/14/26 (C)	-4.81	-0.72	
7/14/27 (C)	-7.47	1.29	
7/14/28 (C)	-3.65	0.16	
7/14/29 (C)	-0.15	-0.92	
7/14/30 (C)	-0.67	-0.41	
7/14/31 (C)	-4.25	-1.40	
7/14/32 (C)	-0.36	0.11	
7/14/33 (C)	-0.39	0.36	
7/14/34 (C)	-8.68	-0.20	
7/14/35 (C)	0.76	0.87	
7/14/36 (C)	-4.71	-0.06	
7/14/37 (C)	-1.73	0.25	
8/8/18 (C)	1.77	0.28	
8/8/19 (C)	12.14	1.54	
8/8/20 (C)	-0.12	-1.55	
8/8/21 (C)	-1.82	0.88	
8/8/22 (C)	0.87	-2.77	
8/8/23 (C)	-4.89	-0.27	
8/8/24 (C)	9.14	-0.05	
8/8/25 (C)	7.83	3.18	
8/8/26 (C)	7.87	-3.98	
8/8/27 (C)	11.85	-0.54	
8/8/28 (C)	-0.92	-1.34	
8/8/29 (C)	-3.30	3.54	
8/8/30 (C)	-1.59	4.03	
8/8/31 (C)	4.13	-0.36	
8/8/32 (C)	-1.76	-2.21	
8/8/33 (C)	-0.87	-0.13	
8/8/34 (C)	7.38	-2.47	
8/8/35 (C)	7.54	0.70	
8/8/36 (C)	-2.34	7.03	
8/8/37 (C)	-1.79	-0.27	
8/14/18 (C)	-1.31	-0.02	

Date: 31/05/24 Page 51

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
BarNode/Case	MY (kg-m)	MC (kg-m)	
8/14/19 (C)	-4.29	-0.22	
8/14/20 (C)	-1.77	-0.87	
8/14/21 (C)	0.41	-0.80	
8/14/22 (C)	-1.20	0.40	
8/14/23 (C)	-2.75	-1.91	
8/14/24 (C)	-0.23	-0.63	
8/14/25 (C)	-3.60	0.34	
8/14/26 (C)	-4.81	0.12	
8/14/27 (C)	-7.47	-1.22	
8/14/28 (C)	-1.25	-0.86	
8/14/29 (C)	3.89	0.05	
8/14/30 (C)	-0.87	-0.41	
8/14/31 (C)	-4.23	-1.43	
8/14/32 (C)	-0.59	-0.38	
8/14/33 (C)	-1.93	-0.25	
8/14/34 (C)	-4.53	-0.54	
8/14/35 (C)	-5.75	-0.37	
8/14/36 (C)	-0.31	-0.07	
8/14/37 (C)	-1.26	-0.34	
9/9/18 (C)	-3.17	-0.09	
9/9/19 (C)	-10.28	-0.24	
9/9/20 (C)	2.69	0.78	
9/9/21 (C)	-2.80	-2.82	
9/9/22 (C)	-0.59	-2.16	
9/9/23 (C)	-3.63	-0.56	
9/9/24 (C)	-4.63	-0.04	
9/9/25 (C)	-12.24	-0.27	
9/9/26 (C)	-18.54	-1.79	
9/9/27 (C)	-13.68	-0.88	
9/9/28 (C)	8.36	0.17	
9/9/29 (C)	-1.53	-2.85	
9/9/30 (C)	-0.37	-3.16	
9/9/31 (C)	-7.26	-0.54	
9/9/32 (C)	2.94	-0.74	
9/9/33 (C)	-1.53	-1.15	
9/9/34 (C)	-8.94	-0.13	
9/9/35 (C)	-12.27	-1.02	
9/9/36 (C)	4.21	-0.72	
9/9/37 (C)	0.82	-1.13	
9/9/18 (C)	-3.17	-0.09	
9/9/19 (C)	-10.28	-0.24	
9/9/20 (C)	-5.18	3.08	
9/9/21 (C)	-10.89	-0.88	
9/9/22 (C)	0.59	-2.16	
9/9/23 (C)	-3.63	-0.56	
9/9/24 (C)	-10.03	3.16	
9/9/25 (C)	-21.19	-0.55	
9/9/26 (C)	-18.24	-1.78	
9/9/27 (C)	-13.68	-0.88	

Date: 31/05/24 Page 52

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	MY (kg-m)	MC (kg-m)	
9/6/28 (C)	-3.81	3.18	
9/6/29 (C)	-12.12	-0.98	
9/6/30 (C)	-8.25	-3.15	
9/6/31 (C)	-2.38	-0.56	
9/6/32 (C)	-9.88	0.26	
9/6/33 (C)	-5.28	-0.21	
9/6/34 (C)	-10.39	-0.11	
9/6/35 (C)	-8.14	0.84	
9/6/36 (C)	-8.09	0.08	
9/6/37 (C)	-3.78	-0.89	
10/8/18 (C)	3.17	-0.04	
10/8/19 (C)	-10.88	-0.24	
10/8/20 (C)	-8.16	3.09	
10/8/21 (C)	-13.28	-0.50	
10/8/22 (C)	-1.43	0.89	
10/8/23 (C)	2.40	1.75	
10/8/24 (C)	-19.03	-3.16	
10/8/25 (C)	-21.19	-3.89	
10/8/26 (C)	-12.41	0.49	
10/8/27 (C)	-9.25	1.16	
10/8/28 (C)	-3.91	0.10	
10/8/29 (C)	-2.12	-0.56	
10/8/30 (C)	-0.42	-0.88	
10/8/31 (C)	3.67	1.77	
10/8/32 (C)	-8.28	0.40	
10/8/33 (C)	-5.10	1.00	
10/8/34 (C)	-19.20	-0.32	
10/8/35 (C)	-14.97	0.64	
10/8/36 (C)	-8.80	0.67	
10/8/37 (C)	-3.50	1.08	
10/7/18 (C)	-3.17	-0.04	
10/7/19 (C)	-16.88	-0.26	
10/7/20 (C)	8.89	0.16	
10/7/21 (C)	-2.89	-0.82	
10/7/22 (C)	-1.89	0.86	
10/7/23 (C)	2.40	1.75	
10/7/24 (C)	-8.83	-0.94	
10/7/25 (C)	-13.24	-1.27	
10/7/26 (C)	-15.41	0.44	
10/7/27 (C)	-3.35	1.10	
10/7/28 (C)	9.88	0.17	
10/7/29 (C)	-1.50	-2.80	
10/7/30 (C)	9.42	0.88	
10/7/31 (C)	3.67	1.77	
10/7/32 (C)	3.01	-0.13	
10/7/33 (C)	-1.32	0.02	
10/7/34 (C)	-8.88	-0.27	
10/7/35 (C)	-12.12	0.40	
10/7/36 (C)	4.88	-0.13	

Date: 31/05/24 Page 53

Autodesk Robot Structural Analysis Professional 2021		File: RH19X27-10M-P4-20-106-33.rtd	
Author:		Project: RH19X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	MY (kg-m)	MC (kg-m)	
10/7/37 (C)	0.25	0.84	
11/7/18 (C)	-8.79	0.08	
11/7/19 (C)	-40.43	0.14	
11/7/20 (C)	-29.89	-7.47	
11/7/21 (C)	-8.27	-0.12	
11/7/22 (C)	2.47	0.53	
11/7/23 (C)	-27.16	-5.16	
11/7/24 (C)	-02.65	-3.93	
11/7/25 (C)	-07.23	-0.56	
11/7/26 (C)	-08.43	-4.94	
11/7/27 (C)	-00.81	-8.77	
11/7/28 (C)	-06.39	-7.48	
11/7/29 (C)	-5.50	-0.14	
11/7/30 (C)	8.19	-0.30	
11/7/31 (C)	-03.66	-8.17	
11/7/32 (C)	-11.82	-3.85	
11/7/33 (C)	-14.93	-0.76	
11/7/34 (C)	-08.49	-1.88	
11/7/35 (C)	-41.62	-0.43	
11/7/36 (C)	-8.88	-3.86	
11/7/37 (C)	-10.28	-0.20	
11/8/18 (C)	-8.79	0.08	
11/8/19 (C)	-40.43	0.14	
11/8/20 (C)	-29.89	-7.47	
11/8/21 (C)	-8.27	-0.12	
11/8/22 (C)	2.47	0.53	
11/8/23 (C)	-27.16	-5.16	
11/8/24 (C)	-02.65	-3.93	
11/8/25 (C)	-07.23	-0.56	
11/8/26 (C)	-08.43	-4.94	
11/8/27 (C)	-00.81	-8.77	
11/8/28 (C)	-06.39	-7.48	
11/8/29 (C)	-5.50	-0.14	
11/8/30 (C)	8.19	-0.30	
11/8/31 (C)	-03.66	-8.17	
11/8/32 (C)	-11.82	-3.85	
11/8/33 (C)	-14.93	-0.76	
11/8/34 (C)	-08.49	-1.88	
11/8/35 (C)	-41.62	-0.43	
11/8/36 (C)	-8.88	-3.86	
11/8/37 (C)	-10.28	-0.20	
11/8/38 (C)	-8.79	0.08	
11/8/39 (C)	-40.43	0.14	
11/8/40 (C)	-29.89	-7.47	
11/8/41 (C)	-8.27	-0.12	
11/8/42 (C)	2.47	0.53	
11/8/43 (C)	-27.16	-5.16	
11/8/44 (C)	-02.65	-3.93	
11/8/45 (C)	-07.23	-0.56	
11/8/46 (C)	-08.43	-4.94	
11/8/47 (C)	-00.81	-8.77	
11/8/48 (C)	-06.39	-7.48	
11/8/49 (C)	-5.50	-0.14	
11/8/50 (C)	8.19	-0.30	
11/8/51 (C)	-03.66	-8.17	
11/8/52 (C)	-11.82	-3.85	
11/8/53 (C)	-14.93	-0.76	
11/8/54 (C)	-08.49	-1.88	
11/8/55 (C)	-41.62	-0.43	
11/8/56 (C)	-8.88	-3.86	
11/8/57 (C)	-10.28	-0.20	
11/8/58 (C)	-8.79	0.08	
11/8/59 (C)	-40.43	0.14	
11/8/60 (C)	-29.89	-7.47	
11/8/61 (C)	-8.27	-0.12	
11/8/62 (C)	2.47	0.53	
11/8/63 (C)	-27.16	-5.16	
11/8/64 (C)	-02.65	-3.93	
11/8/65 (C)	-07.23	-0.56	
11/8/66 (C)	-08.43	-4.94	
11/8/67 (C)	-00.81	-8.77	
11/8/68 (C)	-06.39	-7.48	
11/8/69 (C)	-5.50	-0.14	
11/8/70 (C)	8.19	-0.30	
11/8/71 (C)	-03.66	-8.17	
11/8/72 (C)	-11.82	-3.85	
11/8/73 (C)	-14.93	-0.76	
11/8/74 (C)	-08.49	-1.88	
11/8/75 (C)	-41.62	-0.43	
11/8/76 (C)	-8.88	-3.86	
11/8/77 (C)	-10.28	-0.20	
11/8/78 (C)	-8.79	0.08	
11/8/79 (C)	-40.43	0.14	
11/8/80 (C)	-29.89	-7.47	
11/8/81 (C)	-8.27	-0.12	
11/8/82 (C)	2.47	0.53	
11/8/83 (C)	-27.16	-5.16	
11/8/84 (C)	-02.65	-3.93	
11/8/85 (C)	-07.23	-0.56	
11/8/86 (C)	-08.43	-4.94	
11/8/87 (C)	-00.81	-8.77	
11/8/88 (C)	-06.39	-7.48	
11/8/89 (C)	-5.50	-0.14	
11/8/90 (C)	8.19	-0.30	
11/8/91 (C)	-03.66	-8.17	
11/8/92 (C)	-11.82	-3.85	
11/8/93 (C)	-14.93	-0.76	
11/8/94 (C)	-08.49	-1.88	
11/8/95 (C)	-41.62	-0.43	
11/8/96 (C)	-8.88	-3.86	
11/8/97 (C)	-10.28	-0.20	
11/8/98 (C)	-8.79	0.08	
11/8/99 (C)	-40.43	0.14	
11/9/00 (C)	-29.89	-7.47	
11/9/01 (C)	-8.27	-0.12	
11/9/02 (C)	2.47	0.53	
11/9/03 (C)	-27.16	-5.16	
11/9/04 (C)	-02.65	-3.93	
11/9/05 (C)	-07.23	-0.56	
11/9/06 (C)	-08.43	-4.94	
11/9/07 (C)	-00.81	-8.77	
11/9/08 (C)	-06.39	-7.48	
11/9/09 (C)	-5.50	-0.14	
11/9/10 (C)	8.19	-0.30	
11/9/11 (C)	-03.66	-8.17	
11/9/12 (C)	-11.82	-3.85	
11/9/13 (C)	-14.93	-0.76	
11/9/14 (C)	-08.49	-1.88	
11/9/15 (C)	-41.62	-0.43	
11/9/16 (C)	-8.88	-3.86	
11/9/17 (C)	-10.28	-0.20	
11/9/18 (C)	-8.79	0.08	
11/9/19 (C)	-40.43	0.14	
11/9/20 (C)	-29.89	-7.47	
11/9/21 (C)	-8.27	-0.12	
11/9/22 (C)	2.47	0.53	
11/9/23 (C)	-27.16	-5.16	
11/9/24 (C)	-02.65	-3.93	
11/9/25 (C)	-07.23	-0.56	
11/9/26 (C)	-08.43	-4.94	
11/9/27 (C)	-00.81	-8.77	
11/9/28 (C)	-06.39	-7.48	
11/9/29 (C)	-5.50	-0.14	
11/9/30 (C)	8.19	-0.30	
11/9/31 (C)	-03.66	-8.17	
11/9/32 (C)	-11.82	-3.85	
11/9/33 (C)	-14.93	-0.76	
11/9/34 (C)	-08.49	-1.88	
11/9/35 (C)	-41.62	-0.43	
11/9/36 (C)	-8.88	-3.86	
11/9/37 (C)	-10.28	-0.20	
11/9/38 (C)	-8.79	0.08	
11/9/39 (C)	-40.43	0.14	
11/9/40 (C)	-29.89	-7.47	
11/9/41 (C)	-8.27	-0.12	
11/9/42 (C)	2.47	0.53	
11/9/43 (C)	-27.16	-5.16	
11/9/44 (C)	-02.65	-3.93	
11/9/45 (C)	-07.23	-0.56	
11/9/46 (C)	-08.43	-4.94	
11/9/47 (C)	-00.81	-8.77	
11/9/48 (C)	-06.39	-7.48	
11/9/49 (C)	-5.50	-0.14	
11/9/50 (C)	8.19	-0.30	
11/9/51 (C)	-03.66	-8.17	
11/9/52 (C)	-11.82	-3.85	
11/9/53 (C)	-14.93	-0.76	
11/9/54 (C)	-08.49	-1.88	
11/9/55 (C)	-41.62	-0.43	
11/9/56 (C)	-8.88	-3.86	
11/9/57 (C)	-10.28	-0.20	
11/9/58 (C)	-8.79	0.08	
11/9/59 (C)	-40.43	0.14	
11/9/60 (C)	-29.89	-7.47	
11/9/61 (C)	-8.27	-0.12	
11/9/62 (C)	2.47	0.53	
11/9/63 (C)	-27.16	-5.16	
11/9/64 (C)	-02.65	-3.93	
11/9/65 (C)	-07.23	-0.56	
11/9/66 (C)	-08.43	-4.94	
11/9/67 (C)	-00.81	-8.77	
11/9/68 (C)	-06.39	-7.48	
11/9/69 (C)	-5.50	-0.14	
11/9/70 (C)	8.19	-0.30	
11/9/71 (C)	-03.66	-8.17	
11/9/72 (C)	-11.82	-3.85	
11/9/73 (C)	-14.93	-0.76	
11/9/74 (C)	-08.49	-1.88	
11/9/75 (C)	-41.62	-0.43	
11/9/76 (C)	-8.88	-3.86	
11/9/77 (C)	-10.28	-0.20	
11/9/78 (C)	-8.79	0.08	
11/9/79 (C)	-40.43	0.14	
11/9/80 (C)	-29.89	-7.47	
11/9/81 (C)	-8.27	-0.12	
11/9/82 (C)	2.47	0.53	
11/9/83 (C)	-27.16	-5.16	
11/9/84 (C)	-02.65	-3.93	
11/9/85 (C)	-07.23	-0.56	
11/9/86 (C)	-08.43	-4.94	
11/9/87 (C)	-00.81	-8.77	
11/9/88 (C)	-06.39	-7.48	
11/9/89 (C)	-5.50	-0.14	
11/9/90 (C)	8.19	-0.30	
11/9/91 (C)	-03.66	-8.17	
11/9/92 (C)	-11.82	-3.85	
11/9/93 (C)	-14.93	-0.76	
11/9/94 (C)	-08.49	-1.88	
11/9/95 (C)	-41.62	-0.43	
11/9/96 (C)	-8.88	-3.86	
11/9/97 (C)	-10.28	-0.20	
11/9/98 (C)	-8.79	0.08	
11/9/99 (C)	-40.43	0.14	
12/0/00 (C)	-29.89	-7.47	
12/0/01 (C)	-8.27	-0.12	
12/0/02 (C)	2.47	0.53	
12/0/03 (C)	-27.16	-5.16	
12/0/04 (C)	-02.65	-3.93	
12/0/05 (C)	-07.23	-0.56	
12/0/06 (C)	-08.43	-4.94	
12/0/07 (C)	-00.81	-8.77	
12/0/08 (C)	-06.39	-7.48	
12/0/09 (C)	-5.50	-0.14	
12/0/10 (C)	8.19	-0.30	
12/0/11 (C)	-03.66	-8.17	
12/0/12 (C)	-11.82	-3.85	
12/0/13 (C)	-14.93	-0.76	
12/0/14 (C)	-08.49	-1.88	
12/0/15 (C)	-41.62	-0.43	
12/0/16 (C)	-8.88	-3.86	
12/0/17 (C)	-10.28	-0.20	
12/0/18 (C)	-8.79	0.08	
12/0/19 (C)	-40.43	0.14	
12/0/20 (C)	-29.89	-7.47	
12/0/21 (C)	-8.27	-0.12	
12/0/22 (C)	2.47	0.53	
12/0/23 (C)	-27.16	-5.16	
12/0/24 (C)	-02.65	-3.93	
12/0/25 (C)	-07.23	-0.56	
12/0/26 (C)	-08.43	-4.94	
12/0/27 (C)	-00.81	-8.77	
12/0/28 (C)	-06.39	-7.48	
12/0/29 (C)	-5.50	-0.14	
12/0/30 (C)	8.19	-0.30	
12/0/31 (C)	-03.66	-8.17	
12/0/32 (C)	-11.82	-3.85	
12/0/33 (C)	-14.93	-0.76	
12/0/3			

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-105-33.rtd	
Author:		Project: RH18X27-10M-P4-20-105-33	
Address:			
Bar/Node/Case	MY (kg-m)	MC (kg-m)	
12/ 6/ 26 (C)	-22.50	3.03	
12/ 6/ 27 (C)	-48.31	-4.24	
12/ 6/ 28 (C)	-1.89	1.39	
12/ 6/ 29 (C)	13.18	8.56	
12/ 6/ 30 (C)	14.25	-2.11	
12/ 6/ 31 (C)	-17.83	-4.79	
12/ 6/ 32 (C)	-7.39	2.70	
12/ 6/ 33 (C)	-3.49	0.76	
12/ 6/ 34 (C)	25.97	2.12	
12/ 6/ 35 (C)	-33.84	8.66	
12/ 6/ 36 (C)	-3.28	2.69	
12/ 6/ 37 (C)	0.36	-3.25	
12/ 6/ 18 (C)	-8.79	9.03	
12/ 6/ 19 (C)	-46.40	0.94	
12/ 6/ 20 (C)	-5.37	1.30	
12/ 6/ 21 (C)	9.88	-6.57	
12/ 6/ 22 (C)	3.67	-3.93	
12/ 6/ 23 (C)	-27.18	-6.18	
12/ 6/ 24 (C)	-34.44	1.07	
12/ 6/ 25 (C)	-25.16	-1.02	
12/ 6/ 26 (C)	-29.45	-4.34	
12/ 6/ 27 (C)	39.91	-4.77	
12/ 6/ 28 (C)	-7.95	1.29	
12/ 6/ 29 (C)	13.18	8.56	
12/ 6/ 30 (C)	6.16	-3.32	
12/ 6/ 31 (C)	-23.69	-6.07	
12/ 6/ 32 (C)	-19.30	2.76	
12/ 6/ 33 (C)	-14.99	9.91	
12/ 6/ 34 (C)	-39.20	2.15	
12/ 6/ 35 (C)	-41.59	0.79	
12/ 6/ 36 (C)	-6.46	2.72	
12/ 6/ 37 (C)	-19.85	9.90	
12/ 14/ 18 (C)	-1.30	-0.07	
13/ 14/ 19 (C)	-5.99	-0.33	
13/ 14/ 20 (C)	-1.75	-0.43	
13/ 14/ 21 (C)	-0.87	-0.33	
13/ 14/ 22 (C)	-5.89	-0.00	
13/ 14/ 23 (C)	-5.27	-0.00	
13/ 14/ 24 (C)	-5.56	-0.27	
13/ 14/ 25 (C)	-4.40	-0.20	
13/ 14/ 26 (C)	6.21	-0.00	
13/ 14/ 27 (C)	-7.70	-0.00	
13/ 14/ 28 (C)	-1.20	-0.48	
13/ 14/ 29 (C)	-4.34	-0.26	
13/ 14/ 30 (C)	-3.16	-0.00	
13/ 14/ 31 (C)	-4.74	-0.00	
13/ 14/ 32 (C)	-2.17	-0.23	
13/ 14/ 33 (C)	-4.01	-0.10	
13/ 14/ 34 (C)	-4.36	-0.25	

Date: 31/05/24 Page 55

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-105-33.rtd	
Author:		Project: RH18X27-10M-P4-20-105-33	
Address:			
Bar/Node/Case	MY (kg-m)	MC (kg-m)	
13/ 14/ 25 (C)	-6.75	-0.07	
13/ 14/ 26 (C)	-1.32	-0.20	
13/ 14/ 27 (C)	-3.26	-0.10	
13/ 14/ 28 (C)	-1.32	-0.03	
13/ 14/ 29 (C)	-3.98	-0.06	
13/ 14/ 30 (C)	-1.75	-0.42	
13/ 14/ 31 (C)	-3.97	-0.26	
13/ 14/ 32 (C)	3.48	-0.03	
13/ 14/ 33 (C)	2.20	-0.00	
13/ 14/ 34 (C)	-5.06	-0.27	
13/ 14/ 35 (C)	-4.60	-0.25	
13/ 14/ 36 (C)	-1.14	-0.00	
13/ 14/ 37 (C)	-3.40	-0.07	
13/ 14/ 38 (C)	-1.22	-0.48	
13/ 14/ 39 (C)	-0.34	-0.38	
13/ 14/ 40 (C)	2.01	-0.00	
13/ 14/ 41 (C)	0.73	-0.03	
13/ 14/ 42 (C)	-0.60	-0.00	
13/ 14/ 43 (C)	1.23	-0.10	
13/ 14/ 44 (C)	-4.26	-0.25	
13/ 14/ 45 (C)	-2.82	-0.07	
13/ 14/ 46 (C)	2.05	-0.29	
13/ 14/ 47 (C)	1.89	-0.19	
14/ 9/ 18 (C)	0.0	0.0	
14/ 9/ 19 (C)	0.0	0.0	
14/ 9/ 20 (C)	0.0	0.0	
14/ 9/ 21 (C)	0.0	0.0	
14/ 9/ 22 (C)	0.0	0.0	
14/ 9/ 23 (C)	0.0	0.0	
14/ 9/ 24 (C)	0.0	0.0	
14/ 9/ 25 (C)	0.0	0.0	
14/ 9/ 26 (C)	0.0	0.0	
14/ 9/ 27 (C)	0.0	0.0	
14/ 9/ 28 (C)	0.0	0.0	
14/ 9/ 29 (C)	0.0	0.0	
14/ 9/ 30 (C)	0.0	0.0	
14/ 9/ 31 (C)	0.0	0.0	
14/ 9/ 32 (C)	0.0	0.0	
14/ 9/ 33 (C)	0.0	0.0	
14/ 9/ 34 (C)	0.0	0.0	
14/ 9/ 35 (C)	0.0	0.0	
14/ 9/ 36 (C)	0.0	0.0	
14/ 9/ 37 (C)	0.0	0.0	
14/ 10/ 18 (C)	0.0	0.0	
14/ 10/ 19 (C)	0.0	0.0	
14/ 10/ 20 (C)	0.0	0.0	
14/ 10/ 21 (C)	0.0	0.0	
14/ 10/ 22 (C)	0.0	0.0	
14/ 10/ 23 (C)	0.0	0.0	

Date: 31/05/24 Page 56

Autodesk Robot Structural Analysis Professional 2021		File: R:\18\27-10M-P4-20-106-33.rtd	
Author:		Project: R\18\27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	MY (kg-m)	MC (kg-m)	
14/10/24 (C)	0.0	0.0	0.0
14/10/26 (C)	0.0	0.0	0.0
14/10/26 (C)	0.0	0.0	0.0
14/10/27 (C)	0.0	0.0	0.0
14/10/28 (C)	0.0	0.0	0.0
14/10/29 (C)	0.0	0.0	0.0
14/10/30 (C)	0.0	0.0	0.0
14/10/31 (C)	0.0	0.0	0.0
14/10/32 (C)	0.0	0.0	0.0
14/10/33 (C)	0.0	0.0	0.0
14/10/34 (C)	0.0	0.0	0.0
14/10/36 (C)	0.0	0.0	0.0
14/10/36 (C)	0.0	0.0	0.0
14/10/37 (C)	0.0	0.0	0.0
15/12/18 (C)	0.0	0.0	0.0
15/12/19 (C)	0.0	0.0	0.0
15/12/20 (C)	0.0	0.0	0.0
15/12/21 (C)	0.0	0.0	0.0
15/12/22 (C)	0.0	0.0	0.0
15/12/22 (C)	0.0	0.0	0.0
15/12/24 (C)	0.0	0.0	0.0
15/12/25 (C)	0.0	0.0	0.0
15/12/26 (C)	0.0	0.0	0.0
15/12/27 (C)	0.0	0.0	0.0
15/12/28 (C)	0.0	0.0	0.0
15/12/29 (C)	0.0	0.0	0.0
15/12/30 (C)	0.0	0.0	0.0
15/12/31 (C)	0.0	0.0	0.0
15/12/32 (C)	0.0	0.0	0.0
15/12/33 (C)	0.0	0.0	0.0
15/12/34 (C)	0.0	0.0	0.0
15/12/36 (C)	0.0	0.0	0.0
15/12/36 (C)	0.0	0.0	0.0
15/12/37 (C)	0.0	0.0	0.0
15/11/18 (C)	0.0	0.0	0.0
15/11/19 (C)	0.0	0.0	0.0
15/11/20 (C)	0.0	0.0	0.0
15/11/21 (C)	0.0	0.0	0.0
15/11/22 (C)	0.0	0.0	0.0
15/11/23 (C)	0.0	0.0	0.0
15/11/24 (C)	0.0	0.0	0.0
15/11/25 (C)	0.0	0.0	0.0
15/11/26 (C)	0.0	0.0	0.0
15/11/27 (C)	0.0	0.0	0.0
15/11/28 (C)	0.0	0.0	0.0
15/11/29 (C)	0.0	0.0	0.0
15/11/30 (C)	0.0	0.0	0.0
15/11/31 (C)	0.0	0.0	0.0
15/11/32 (C)	0.0	0.0	0.0

Date: 31/05/24 Page: 57

Autodesk Robot Structural Analysis Professional 2021		File: R:\18\27-10M-P4-20-106-33.rtd	
Author:		Project: R\18\27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	MY (kg-m)	MC (kg-m)	
16/11/20 (C)	0.0	0.0	0.0
16/11/24 (C)	0.0	0.0	0.0
16/11/26 (C)	0.0	0.0	0.0
16/11/26 (C)	0.0	0.0	0.0
16/11/27 (C)	0.0	0.0	0.0
16/11/27 (C)	0.0	0.0	0.0
16/11/28 (C)	0.0	0.0	0.0
16/11/29 (C)	0.0	0.0	0.0
16/11/30 (C)	0.0	0.0	0.0
16/11/31 (C)	0.0	0.0	0.0
16/11/32 (C)	0.0	0.0	0.0
16/11/32 (C)	0.0	0.0	0.0
16/11/33 (C)	0.0	0.0	0.0
16/11/34 (C)	0.0	0.0	0.0
16/11/35 (C)	0.0	0.0	0.0
16/11/36 (C)	0.0	0.0	0.0
16/11/36 (C)	0.0	0.0	0.0
16/11/37 (C)	0.0	0.0	0.0
16/11/37 (C)	0.0	0.0	0.0
16/11/38 (C)	0.0	0.0	0.0
16/11/39 (C)	0.0	0.0	0.0
16/11/40 (C)	0.0	0.0	0.0
16/11/41 (C)	0.0	0.0	0.0
16/11/42 (C)	0.0	0.0	0.0
16/11/43 (C)	0.0	0.0	0.0
16/11/44 (C)	0.0	0.0	0.0
16/11/45 (C)	0.0	0.0	0.0
16/11/46 (C)	0.0	0.0	0.0
16/11/47 (C)	0.0	0.0	0.0
16/11/48 (C)	0.0	0.0	0.0
16/11/49 (C)	0.0	0.0	0.0
16/11/50 (C)	0.0	0.0	0.0
16/11/51 (C)	0.0	0.0	0.0
16/11/52 (C)	0.0	0.0	0.0
16/11/53 (C)	0.0	0.0	0.0
16/11/54 (C)	0.0	0.0	0.0
16/11/55 (C)	0.0	0.0	0.0
16/11/56 (C)	0.0	0.0	0.0
16/11/57 (C)	0.0	0.0	0.0
16/11/58 (C)	0.0	0.0	0.0
16/11/59 (C)	0.0	0.0	0.0
16/11/60 (C)	0.0	0.0	0.0
16/11/61 (C)	0.0	0.0	0.0
16/11/62 (C)	0.0	0.0	0.0
16/11/63 (C)	0.0	0.0	0.0
16/11/64 (C)	0.0	0.0	0.0
16/11/65 (C)	0.0	0.0	0.0
16/11/66 (C)	0.0	0.0	0.0
16/11/67 (C)	0.0	0.0	0.0
16/11/68 (C)	0.0	0.0	0.0
16/11/69 (C)	0.0	0.0	0.0
16/11/70 (C)	0.0	0.0	0.0
16/11/71 (C)	0.0	0.0	0.0
16/11/72 (C)	0.0	0.0	0.0
16/11/73 (C)	0.0	0.0	0.0
16/11/74 (C)	0.0	0.0	0.0
16/11/75 (C)	0.0	0.0	0.0
16/11/76 (C)	0.0	0.0	0.0
16/11/77 (C)	0.0	0.0	0.0
16/11/78 (C)	0.0	0.0	0.0
16/11/79 (C)	0.0	0.0	0.0
16/11/80 (C)	0.0	0.0	0.0
16/11/81 (C)	0.0	0.0	0.0
16/11/82 (C)	0.0	0.0	0.0
16/11/83 (C)	0.0	0.0	0.0
16/11/84 (C)	0.0	0.0	0.0
16/11/85 (C)	0.0	0.0	0.0
16/11/86 (C)	0.0	0.0	0.0
16/11/87 (C)	0.0	0.0	0.0
16/11/88 (C)	0.0	0.0	0.0
16/11/89 (C)	0.0	0.0	0.0
16/11/90 (C)	0.0	0.0	0.0
16/11/91 (C)	0.0	0.0	0.0
16/11/92 (C)	0.0	0.0	0.0
16/11/93 (C)	0.0	0.0	0.0
16/11/94 (C)	0.0	0.0	0.0
16/11/95 (C)	0.0	0.0	0.0
16/11/96 (C)	0.0	0.0	0.0
16/11/97 (C)	0.0	0.0	0.0
16/11/98 (C)	0.0	0.0	0.0
16/11/99 (C)	0.0	0.0	0.0
16/12/00 (C)	0.0	0.0	0.0

Date: 31/05/24 Page: 58

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-106-33.rtd	
Author:		Project: RH18X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	MY (kg-m)	MC (kg-m)	
17/ 10/ 22 (C)	0.0	0.0	
17/ 10/ 23 (C)	0.0	0.0	
17/ 10/ 24 (C)	0.0	0.0	
17/ 10/ 25 (C)	0.0	0.0	
17/ 10/ 26 (C)	0.0	0.0	
17/ 10/ 27 (C)	0.0	0.0	
17/ 10/ 28 (C)	0.0	0.0	
17/ 10/ 29 (C)	0.0	0.0	
17/ 10/ 30 (C)	0.0	0.0	
17/ 10/ 31 (C)	0.0	0.0	
17/ 10/ 32 (C)	0.0	0.0	
17/ 10/ 33 (C)	0.0	0.0	
17/ 10/ 34 (C)	0.0	0.0	
17/ 10/ 35 (C)	0.0	0.0	
17/ 10/ 36 (C)	0.0	0.0	
17/ 10/ 37 (C)	0.0	0.0	
17/ 12/ 18 (C)	0.0	0.0	
17/ 12/ 19 (C)	0.0	0.0	
17/ 12/ 20 (C)	0.0	0.0	
17/ 12/ 21 (C)	0.0	0.0	
17/ 12/ 22 (C)	0.0	0.0	
17/ 12/ 23 (C)	0.0	0.0	
17/ 12/ 24 (C)	0.0	0.0	
17/ 12/ 25 (C)	0.0	0.0	
17/ 12/ 26 (C)	0.0	0.0	
17/ 12/ 27 (C)	0.0	0.0	
17/ 12/ 28 (C)	0.0	0.0	
17/ 12/ 29 (C)	0.0	0.0	
17/ 12/ 30 (C)	0.0	0.0	
17/ 12/ 31 (C)	0.0	0.0	
17/ 12/ 32 (C)	0.0	0.0	
17/ 12/ 33 (C)	0.0	0.0	
17/ 12/ 34 (C)	0.0	0.0	
17/ 12/ 35 (C)	0.0	0.0	
17/ 12/ 36 (C)	0.0	0.0	
17/ 12/ 37 (C)	0.0	0.0	
18/ 6/ 18 (C)	0.00	0.46	
18/ 6/ 19 (C)	0.00	1.00	
18/ 6/ 20 (C)	-0.75	0.50	
18/ 6/ 21 (C)	0.06	0.60	
18/ 6/ 22 (C)	0.15	0.30	
18/ 6/ 23 (C)	-0.06	0.60	
18/ 6/ 24 (C)	0.12	0.60	
18/ 6/ 25 (C)	0.05	1.12	
18/ 6/ 26 (C)	0.12	-0.60	
18/ 6/ 27 (C)	-0.05	1.12	
18/ 6/ 28 (C)	-0.15	0.30	
18/ 6/ 29 (C)	0.06	0.60	
18/ 6/ 30 (C)	0.15	-0.30	

Date: 31/05/24 Page: 58

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-106-33.rtd	
Author:		Project: RH18X27-10M-P4-20-106-33	
Address:			
Bar/Node/Case	MY (kg-m)	MC (kg-m)	
18/ 6/ 31 (C)	-0.06	0.30	
18/ 6/ 32 (C)	-0.02	0.48	
18/ 6/ 33 (C)	0.00	0.40	
18/ 6/ 34 (C)	-0.02	0.60	
18/ 6/ 35 (C)	0.02	-0.60	
18/ 6/ 36 (C)	-0.02	0.30	
18/ 6/ 37 (C)	0.02	0.20	
18/ 6/ 38 (C)	-0.00	-0.00	
18/ 6/ 39 (C)	0.00	-0.00	
18/ 6/ 40 (C)	-0.00	-0.00	
18/ 6/ 41 (C)	-0.00	-0.00	
18/ 6/ 42 (C)	-0.00	-0.00	
18/ 6/ 43 (C)	0.00	-0.00	
18/ 6/ 44 (C)	-0.00	-0.00	
18/ 6/ 45 (C)	-0.00	-0.00	
18/ 6/ 46 (C)	-0.00	-0.00	
18/ 6/ 47 (C)	-0.00	-0.00	
18/ 6/ 48 (C)	0.00	-0.00	
18/ 6/ 49 (C)	-0.00	-0.00	
18/ 6/ 50 (C)	-0.00	-0.00	
18/ 6/ 51 (C)	0.00	-0.00	
18/ 6/ 52 (C)	0.00	-0.00	
18/ 6/ 53 (C)	-0.00	-0.00	
18/ 6/ 54 (C)	0.00	-0.00	
18/ 6/ 55 (C)	-0.00	-0.00	
18/ 6/ 56 (C)	-0.00	-0.00	
18/ 6/ 57 (C)	-0.00	-0.00	
18/ 6/ 58 (C)	-0.00	-0.00	
18/ 6/ 59 (C)	-0.00	-0.00	
18/ 6/ 60 (C)	-0.00	-0.00	
18/ 6/ 61 (C)	-0.00	-0.00	
18/ 6/ 62 (C)	-0.00	-0.00	
18/ 6/ 63 (C)	-0.00	-0.00	
18/ 6/ 64 (C)	-0.00	-0.00	
18/ 6/ 65 (C)	-0.00	-0.00	
18/ 6/ 66 (C)	-0.00	-0.00	
18/ 6/ 67 (C)	-0.00	-0.00	
18/ 6/ 68 (C)	-0.00	-0.00	
18/ 6/ 69 (C)	-0.00	-0.00	
18/ 6/ 70 (C)	-0.00	-0.00	

Date: 31/05/24 Page: 60

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-105-33.rtd	
Author:		Project: RH18X27-10M-P4-20-105-33	
Address:			
Bar/Node/Case	MY (kip-in)	MC (kip-in)	
19/16/20 (C)	0.00	-3.03	
19/16/21 (C)	0.00	-0.00	
19/16/22 (C)	-0.00	-0.00	
19/16/23 (C)	-3.03	0.00	
19/16/24 (C)	0.00	0.00	
19/16/25 (C)	0.00	-0.00	
19/16/26 (C)	-0.00	-0.00	
19/16/27 (C)	-0.00	0.00	
19/16/28 (C)	0.00	-0.00	
19/16/29 (C)	0.00	-0.00	
19/16/30 (C)	-0.00	-0.00	
19/16/31 (C)	-0.00	0.00	
19/16/32 (C)	-0.00	0.00	
19/16/33 (C)	0.00	0.00	
19/16/34 (C)	-0.00	0.00	
19/16/35 (C)	-0.00	0.00	
19/16/36 (C)	-0.00	0.00	
19/16/37 (C)	-0.00	-0.00	
20/7/18 (C)	0.00	0.46	
20/7/19 (C)	0.00	1.09	
20/7/20 (C)	0.15	0.26	
20/7/21 (C)	-0.35	-0.28	
20/7/22 (C)	-0.05	-0.05	
20/7/23 (C)	0.14	0.28	
20/7/24 (C)	0.12	-0.38	
20/7/25 (C)	-0.05	-1.13	
20/7/26 (C)	-0.04	-0.05	
20/7/27 (C)	0.17	0.96	
20/7/28 (C)	0.15	0.30	
20/7/29 (C)	-0.06	-0.73	
20/7/30 (C)	-0.05	-0.10	
20/7/31 (C)	0.14	0.18	
20/7/32 (C)	0.04	-0.47	
20/7/33 (C)	0.04	-0.41	
20/7/34 (C)	0.00	-0.89	
20/7/35 (C)	0.00	0.52	
20/7/36 (C)	0.04	0.23	
20/7/37 (C)	0.04	0.22	
20/17/18 (C)	-0.00	-0.00	
20/17/19 (C)	-0.00	-0.00	
20/17/20 (C)	0.00	-0.00	
20/17/21 (C)	0.00	0.00	
20/17/22 (C)	0.00	0.00	
20/17/23 (C)	-0.00	-0.00	
20/17/24 (C)	0.00	-0.00	
20/17/25 (C)	0.00	-0.00	
20/17/26 (C)	0.00	-0.00	
20/17/27 (C)	-0.00	-0.00	
20/17/28 (C)	0.00	-0.00	

Date: 31/05/24 Page: 61

Autodesk Robot Structural Analysis Professional 2021		File: RH18X27-10M-P4-20-105-33.rtd	
Author:		Project: RH18X27-10M-P4-20-105-33	
Address:			
Bar/Node/Case	MY (kip-in)	MC (kip-in)	
20/17/29 (C)	0.00	0.00	
20/17/30 (C)	0.00	0.00	
20/17/31 (C)	-0.00	-0.00	
20/17/32 (C)	0.00	0.00	
20/17/33 (C)	-0.00	-0.00	
20/17/34 (C)	0.00	-0.00	
20/17/35 (C)	-0.00	-0.00	
20/17/36 (C)	0.00	0.00	
20/17/37 (C)	-0.00	-0.00	
21/8/18 (C)	0.00	0.46	
21/8/19 (C)	0.00	1.09	
21/8/20 (C)	0.00	0.26	
21/8/21 (C)	-0.00	-0.28	
21/8/22 (C)	-0.00	-0.05	
21/8/23 (C)	0.14	0.28	
21/8/24 (C)	0.12	-0.38	
21/8/25 (C)	-0.00	-1.13	
21/8/26 (C)	-0.00	-0.05	
21/8/27 (C)	0.17	0.96	
21/8/28 (C)	0.15	0.30	
21/8/29 (C)	-0.00	-0.73	
21/8/30 (C)	-0.00	-0.10	
21/8/31 (C)	0.14	0.18	
21/8/32 (C)	0.04	-0.47	
21/8/33 (C)	0.04	-0.41	
21/8/34 (C)	0.00	-0.89	
21/8/35 (C)	0.00	0.52	
21/8/36 (C)	0.00	0.23	
21/8/37 (C)	0.00	0.22	
21/8/38 (C)	-0.00	-0.00	
21/8/39 (C)	-0.00	-0.00	
21/8/40 (C)	0.00	-0.00	
21/8/41 (C)	0.00	0.00	
21/8/42 (C)	-0.00	-0.00	
21/8/43 (C)	0.00	-0.00	
21/8/44 (C)	0.00	-0.00	
21/8/45 (C)	0.00	-0.00	
21/8/46 (C)	-0.00	-0.00	
21/8/47 (C)	0.00	-0.00	

Date: 31/05/24 Page: 62



REVISION: A  
 A- INITIAL SUBMITTAL REVISION (JMD 6/5/2024)

JOB NUMBER: 10455  
 JOB NAME: CANYON HILLS MIDDLE SCHOOL  
 JOB LOCATION: EL PASO, TX 79904



COVER SHEET

TABLE OF CONTENTS

- 1.0 COVER SHEET
- 2.0 ELEVATION
- 3.0 FLOOR PLAN LAYOUT
- 4.0 FRAME LAYOUT
- 5.0-5.1 FRAME CONNECTIONS
- 6.0 ROOF LAYOUT
- R1.0-R1.3 ROOF DETAILS

DESIGN LOADS

CODE: 2021 INTERNATIONAL BUILDING CODE  
 TOTAL DEAD: 6.60 P.S.F.  
 FRAME DEAD: 3.60 P.S.F.  
 ROOF DEAD: 1.20 P.S.F.  
 COLLATERAL DEAD: 1.80 P.S.F.  
 ROOF LIVE LOAD: 20.00 P.S.F.  
 GROUND SNOW LOAD: 20.00 P.S.F.  
 ROOF SNOW LOAD: 20.00 P.S.F.  
 WIND SPEED: 105.00 M.P.H.  
 EXPOSURE: C  
 SEISMIC USE GROUP: I  
 SEISMIC SITE CLASS: D  
 SEISMIC DESIGN CATEGORY: C  
 SEISMIC ANALYSIS: SIMPLIFIED

NOTES

(ASTM DESIGNATION)  
 A-500 GRADE B/C  
 A-992  
 A-36, A-572 GRADE 50  
 A-789  
 F1554 GRADE 85  
 F1554 GRADE 85  
 CONNECTION BOLTS

ALL WELDING CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED. ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS. THERE IS NO FIELD WELDING REQUIRED, U.N.C.

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY THE MANUFACTURER AND NOT TO THE ENTIRE PROJECT. REFER TO STANDARDIZED FABRICATION PARTS SHOWN MAY BE UPGRADED.

ICON SHELTER SYSTEMS INC. RECOMMENDS THAT THE PRIMARY FRAMING MATERIALS BE REPLACED WITH A MINIMUM OF FIVE (5) YEARS OF DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

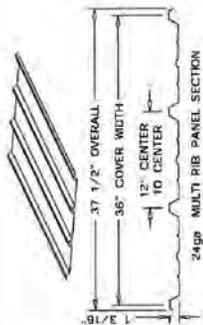
HIGH STRENGTH BOLTING  
 ALL HIGH STRENGTH BOLTS ARE F3126 GRADE A325 BOLTS WITH HEAVY HEX NUTS. THE BOLTS ARE TO BE INSTALLED UTILIZING THE SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS (B71/2014) AS PREPARED BY RESEARCH AND TESTING FOR STRUCTURAL STEEL CONSTRUCTION (AISC). THE BOLTS SHALL BE INSTALLED AS SNUG, TIGHTENED WHICH IS DEFINED AS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPLUD WRENCH TO BRING THE PILES INTO FIRM CONTACT, WHICH IS THE CONDITION WHEN THE PLANES OF CONTACT BETWEEN TWO PILES ARE SOLIDLY SEATED AGAINST EACH OTHER, BUT NOT NECESSARILY IN CONTINUOUS CONTACT WITH UTILIZATION OF THE IMPACT WRENCH.

ALL CONNECTIONS ARE BEARING TYPE CONNECTIONS UNLESS NOTED OTHERWISE.

IT IS THE RESPONSIBILITY OF THE INSTALLER TO INSURE PROPER TIGHTNESS.

PROPER ERECTION OF THE FRAMING MEMBERS REQUIRES THE MAIN COLUMNS TO BE PLUMB & SQUARE. COLUMNS, RAFTER, AND THE BEAM CONNECTIONS MUST BE TIGHTENED BEFORE INSTALLING THE PURLINS. PURLINS MUST BE PARALLEL TO THE BEAMS AND LAE. BEAMS.

ROOF



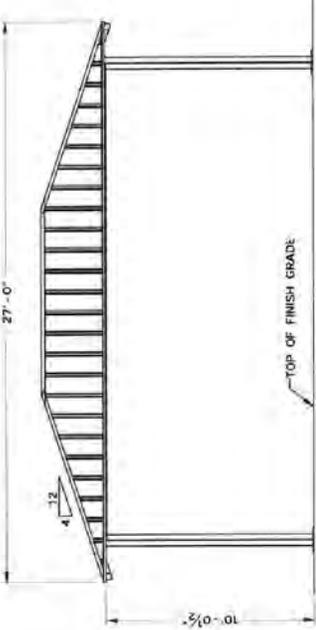
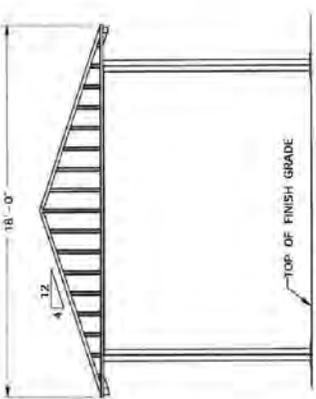
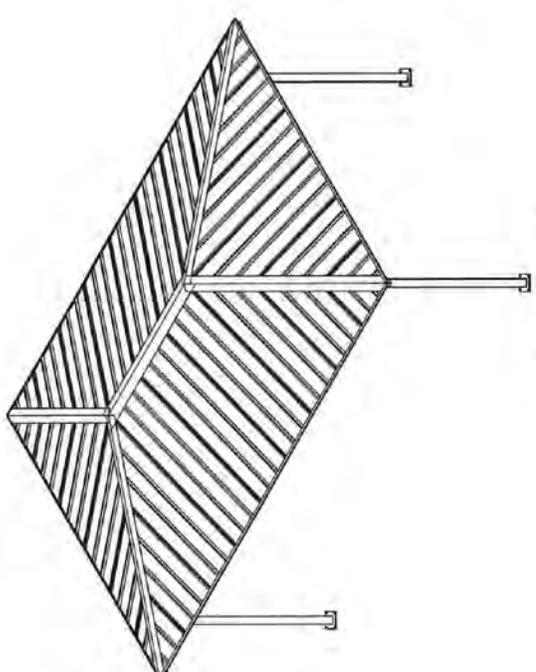
DRAWN BY: JMD  
 DATE: 6/5/2024  
 JOB NO.: 10455  
 REVISION: A  
 BUILDING TYPE: RH18X27-10M-P4  
 PROJECT NAME: CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904

SHEET 1.0

PRINTED ON: 6/5/2024

FABRICATOR APPROVALS  
 CLARK COUNTY STEEL FABRICATOR NUMBER: 707  
 CITY OF LOS ANGELES FABRICATOR NUMBER: FB03254

Thomas Covington  
 Digitally signed by Thomas Covington  
 DN: cn=Thomas Covington, o=ICON SHELTER SYSTEMS INC.

 <p><b>Shelter Systems Inc.</b>          1000 FORT WORTH ROAD, SUITE 100          WORTH, TEXAS 76090          WWW.ICONSHELTER.COM</p> <p>1001 S. GUNNERS AVENUE          FORT WORTH, TX 76104          (817) 336-1111</p>	<h1 style="margin: 0;">ELEVATION</h1>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DRAWN BY:</td> <td>JMD</td> </tr> <tr> <td>DATE:</td> <td>6/5/2024</td> </tr> <tr> <td>JOB NO.:</td> <td>10455</td> </tr> <tr> <td>REVISION:</td> <td>A</td> </tr> <tr> <td>BUILDING TYPE:</td> <td>RH18X27-10M-P4</td> </tr> <tr> <td>PROJECT NAME:</td> <td>CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904</td> </tr> <tr> <td>SHEET</td> <td style="font-size: 2em; font-weight: bold;">2.0</td> </tr> </table>	DRAWN BY:	JMD	DATE:	6/5/2024	JOB NO.:	10455	REVISION:	A	BUILDING TYPE:	RH18X27-10M-P4	PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904	SHEET	2.0
DRAWN BY:	JMD															
DATE:	6/5/2024															
JOB NO.:	10455															
REVISION:	A															
BUILDING TYPE:	RH18X27-10M-P4															
PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904															
SHEET	2.0															
 <p style="text-align: center;">FRONT VIEW</p>	 <p style="text-align: center;">SIDE VIEW</p>	 <p style="text-align: center;">ISOMETRIC VIEW</p>														
																

PRINTED ON : 6/5/2024

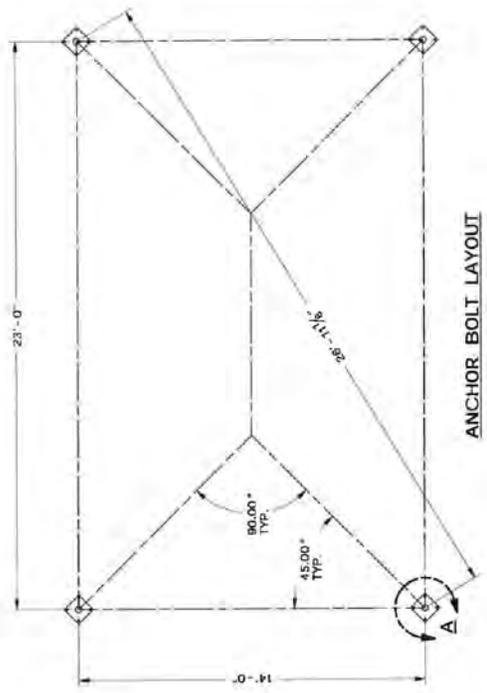
**ICON**  
 Shelter Systems Inc  
 STRUCTURAL STEEL FABRICATORS  
 WWW.ICONSTRUCTORS.COM  
 1481 LINCOLN AVE.  
 PUEBLO, CO 81001  
 719-250-0000

610 W. 5TH ST.  
 PUEBLO, CO 81001  
 719-250-0000

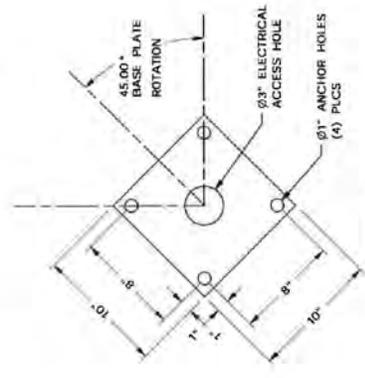
# ANCHOR BOLT LAYOUT

DRAWN BY:	JMD
DATE:	6/5/2024
JOB NO.:	10455
REVISION:	A
BUILDING TYPE:	RH18X27-10M-P4
PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904

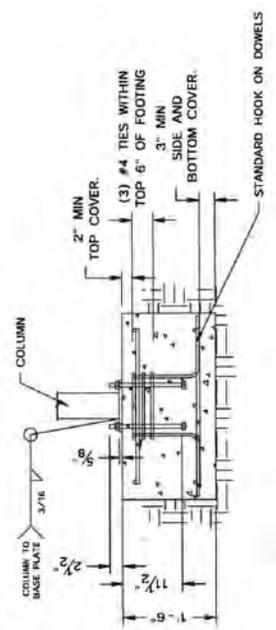
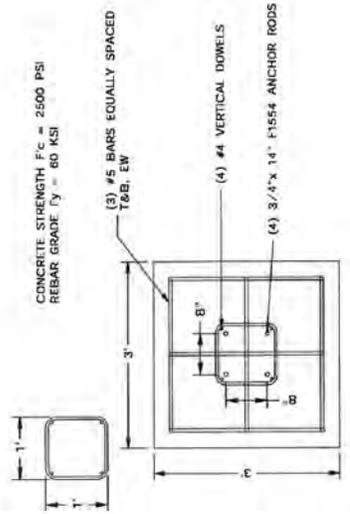
SHEET  
**3.0**



ANCHOR BOLT LAYOUT



DETAIL A  
 BASE PLATE MATERIAL  
 5/8" THICK GRSO



STATE OF TEXAS  
 THOMAS COVINGTON  
 LICENSED PROFESSIONAL ENGINEER  
 152595  
 6/16/24

PRINTED ON : 6/5/2024

**ICON**  
 Skelton Systems Inc  
 8111 HWY 175 N, SUITE 100  
 FORT WORTH, TEXAS 76116  
 (817) 441-1111  
 WWW.ICONSTRUCTURE.COM

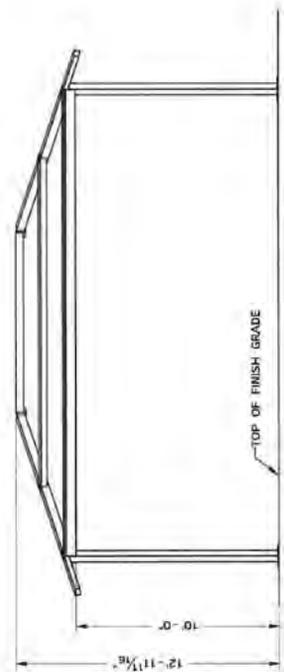
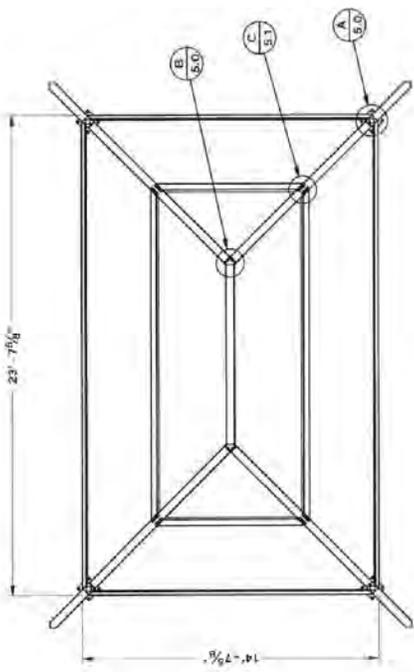
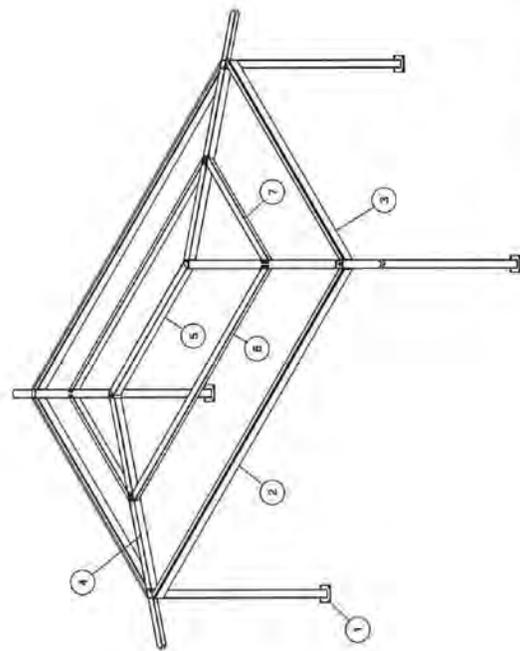
1451 BROOKDALE AVE.  
 HOUSTON, TX 77058  
 (713) 261-1111

**FRAME LAYOUT**

DRAWN BY:	JMD
DATE:	6/5/2024
JOB NO.:	10455
REVISION:	A
BUILDING TYPE:	RH18X27 - 10M - P4
PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904

SHEET  
**4.0**

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
1	4		COLUMNS	SECTION 125	244.80	244.80
2	4		TRUSS BEAMS	SECTION 125	208.80	208.80
3	2		TRUSS BEAMS	SECTION 125	227.80	227.80
4	4		TRUSS BEAMS	SECTION 125	227.80	227.80
5	4		TRUSS BEAMS	SECTION 125	227.80	227.80
6	4		TRUSS BEAMS	SECTION 125	227.80	227.80
7	2		TRUSS BEAMS	SECTION 125	227.80	227.80



STATE OF TEXAS  
 THOMAS COVINGTON  
 LICENSED PROFESSIONAL ENGINEER  
 152595  
 6/6/24

PRINTED ON 6/5/2024

		<p style="text-align: center;"><b>DETAIL A</b></p> <p style="text-align: center;"><b>RAFTER AND TIE BEAM CONNECTION @ COLUMN</b></p>
<p>INSTALL RIDGE BEAM W/ OPEN CONNECTOR SIDE UP</p>		<p style="text-align: center;"><b>DETAIL B</b></p> <p style="text-align: center;"><b>RAFTER CONNECTION @ RIDGE BEAM</b></p>
<p><b>PAINT EXPOSED FASTENERS</b></p>		
<p><b>NOTE TO INSTALLERS:</b> WITH FACTORY POWDERCOATED SHELTERS, PAINT EXPOSED FASTENERS OF COMPRESSION RINGS, ORNAMENTATION, KNIFE PLATES, ETC. WITH PROVIDED TOUCH UP PAINT TO PREVENT RUSTING OF FASTENERS</p>		
<p><b>PAINT EXPOSED FASTENERS</b></p>		
<p>REVISION: A</p>		
<p>JOB NO.: 10455</p>		
<p>DATE: 6/5/2024</p>		
<p>DRWN BY: JMD</p>		
<p>PROJECT NAME: CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904</p>		
<p>BUILDING TYPE: RH18X27 - 10M - P4</p>		
<p>SHEET <b>5.0</b></p>		
<p>FRAME CONNECTIONS</p>		

S:\Jobs\10400 Jobs\10455 - RH18X27-10M-P4 - EL PASO ISD-CANYON HILLS MIDDLE SCHOOL\Engineering\Drawings\Submittals\10455 - SUBMITAL.rvt

PRINTED ON : 6/5/2024

**ICON**  
 Shelter Systems, Inc.  
 DISTRICT SALES OFFICES  
 WWW.ICONSHEDS.COM  
 1455 LINDEN LANE  
 BULLARD, TX 75751  
 817.760.0719  
 800.742.0715  
 610.310.0453

**FRAME CONNECTIONS**

DRAWN BY: JMD  
 DATE: 6/5/2024  
 JOB NO.: 10455  
 REVISION: A

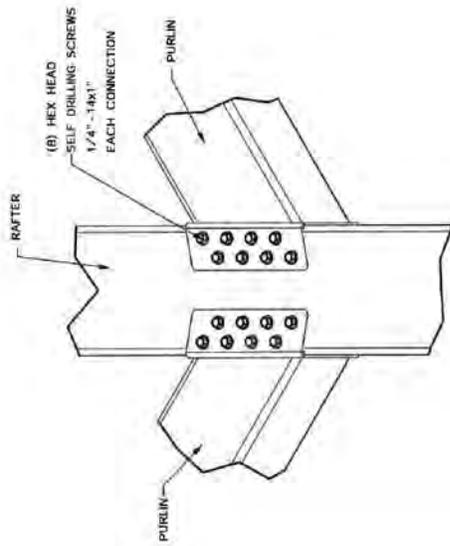
BUILDING TYPE: RH18X27-10M-P4  
 PROJECT NAME: CANYON HILLS MIDDLE SCHOOL  
 EL PASO, TX 79904

SHEET **5.1**

PRINTED ON : 6/5/2024

**NOTE TO INSTALLERS:**  
 WITH FACTORY POWDERCOATED  
 SHELTERS, PAINT EXPOSED  
 FASTENERS OF COMPRESSION RINGS,  
 ORNAMENTATION, KNIFE PLATES, ETC.  
 WITH PROVIDED TOUCH UP PAINT TO  
 PREVENT RUSTING OF FASTENERS.

PAINT EXPOSED FASTENERS



PURLIN CONNECTION @ RAFTER

**DETAIL C**



1481 LANTANA AVE.  
MCKINNEY, TEXAS 75069  
CONTRACT NO. 2023-0001  
SUBMITTAL NO. 10455

# ROOF LAYOUT

DATE: 5/5/2024  
JOB NO.: 10455  
REVISION: A

DRAWN BY: JMD

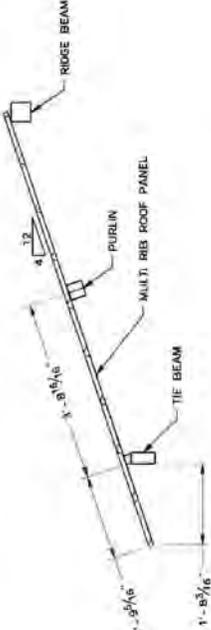
PROJECT NAME: CANYON HILLS MIDDLE SCHOOL  
EL PASO, TX 79904

SHEET 6.0

PRINTED ON: 6/5/2024

STATE OF TEXAS  
THOMAS COVINGTON  
152595  
PROFESSIONAL ENGINEER  
LICENSED OVER  
6/4/24

PROFESSIONAL ENGINEER



Labels: RIDGE BEAM, PURLIN, MULTI RIB ROOF PANEL, TIE BEAM

Dimensions: 4'-3/2", 1'-8 1/16", 1'-5 7/16"

### MULTI RIB ROOF SECTION

ATTENTION INSTALLERS:  
METAL SHAVINGS LEFT ON ROOF MUST BE REMOVED AND STAIN THE ROOF FINISH.

DRILLING OR INSTALLING ROOF FASTENERS WILL CAUSE METAL SHAVINGS TO BE LEFT ON ROOF. THESE SHAVINGS MUST BE REMOVED FROM THE ROOF AT THE END OF EACH DAY BY EITHER SWEEPING OR BRUSHING THE INSTALLED ROOF.



Labels: 18'-0", 9'-5 1/2"

### MULTI RIB ROOF LAYOUT



Labels: 27'-0", 8'-11 1/16"

THE SEALING MATERIAL MUST BE FULLY VISIBLE AROUND THE METAL WASHER

THE SEALING MATERIAL IS NOT TO BE APPLIED TO THE EDGE OF THE METAL WASHER

THE SEALING MATERIAL IS TO BE APPLIED AROUND THE EDGE OF THE METAL WASHER

### MULTI RIB ROOF LAYOUT

STEPS FOR PROPER PANEL INSTALLATION:

- MARK THE CENTER OF THE TIE BEAM AND COMPRESSION RING (OR PURLIN ON MULTI TIER BUILDINGS).
- ALIGN ONE OF THE LONGEST PANELS CENTER THAT PANEL ALONG THE CENTER LINE OF THE FRAME.
- SEE ROOF LAYOUT FOR THE CORRECT RIB TO CENTER (SEE ROOF LAYOUT FOR THE CORRECT RIB TO CENTER).
- INSTALL REMAINING PANELS WORKING OUT TOWARDS THE CORNERS.
- INSTALL ALL ROOF SECTIONS USING THIS METHOD.

THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE METAL ROOFING SYSTEM. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO CONSTITUTE A DESIGN OR CODES. CHANGES TO THE DETAILS MAY BE REQUIRED DUE TO FIELD CONDITIONS.

THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL INSTALLATION INSTRUCTION MATERIAL BEFORE STARTING WORK.

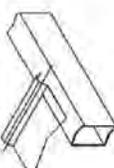
THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

ERECTORS SHALL BE RESPONSIBLE TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

FOR THE BEST APPEARANCE ALL TRIM AND FLASHING SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ALL EXPOSED FASTENERS EQUALLY SPACED.

SOME FIELD CUTTING AND/OR FITTING OF PANELS, TRIM AND FLASHING IS TO BE EXPECTED BY THE ERECTOR. MINOR FIELD CORRECTIONS ARE PART OF NORMAL ERECTION WORK.

THE INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN AND WORKMANSHIP SHALL MEET THE BEST INDUSTRY STANDARDS.



STEPS FOR PROPER PANEL INSTALLATION:

- MARK THE CENTER OF THE TIE BEAM AND COMPRESSION RING (OR PURLIN ON MULTI TIER BUILDINGS).
- ALIGN ONE OF THE LONGEST PANELS CENTER THAT PANEL ALONG THE CENTER LINE OF THE FRAME.
- SEE ROOF LAYOUT FOR THE CORRECT RIB TO CENTER (SEE ROOF LAYOUT FOR THE CORRECT RIB TO CENTER).
- INSTALL REMAINING PANELS WORKING OUT TOWARDS THE CORNERS.
- INSTALL ALL ROOF SECTIONS USING THIS METHOD.

**ICON**  
 Shelter Systems Inc  
 10000 W. STATE ST. SUITE 100  
 HOUSTON, TEXAS 77055  
 (281) 416-1000  
 WWW.ICONSHEDS.COM

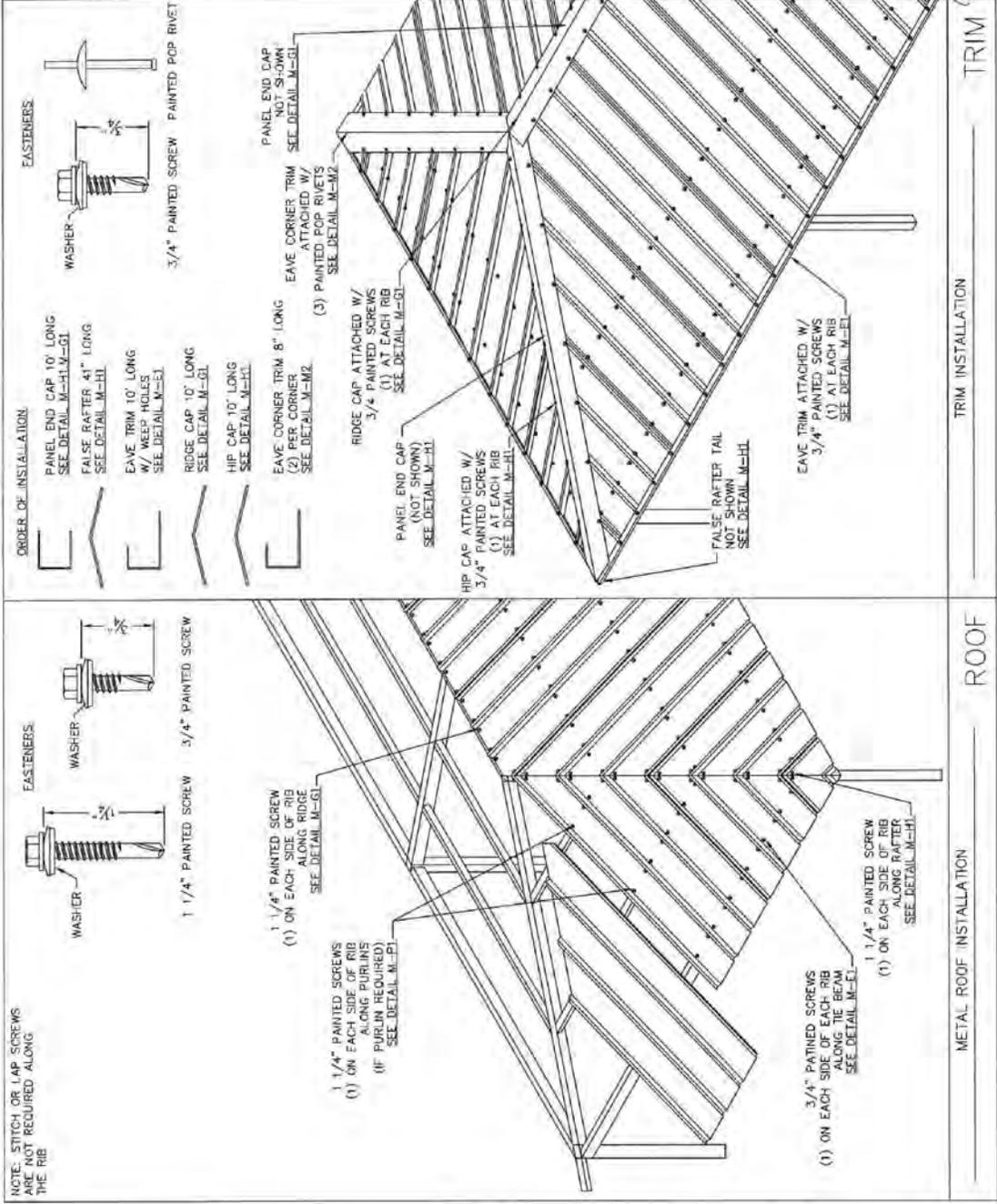
1450 LINDSAY AVE  
 HOUSTON, TX 77055  
 (281) 416-1000  
 (281) 416-1000  
 (281) 416-1000

ROOF DETAILS

DRAWN BY:	JMD
DATE:	6/5/2024
JOB NO.:	10455
REVISION:	A
BUILDING TYPE:	RH18X27-10M-P4
PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904

SHEET  
**R10**

PRINTED ON: 6/5/2024





ROOF DETAILS

DRAWN BY: JMG  
DATE: 6/5/2024  
JOB NO.: 10455  
REVISION: A

BUILDING TYPE: RH18X27-10M-P4  
PROJECT NAME: CANYON HILLS MIDDLE SCHOOL  
EL PASO TX 79904

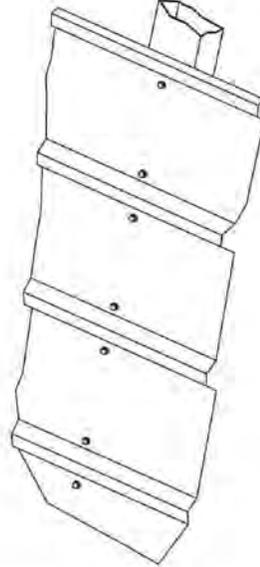
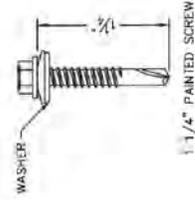
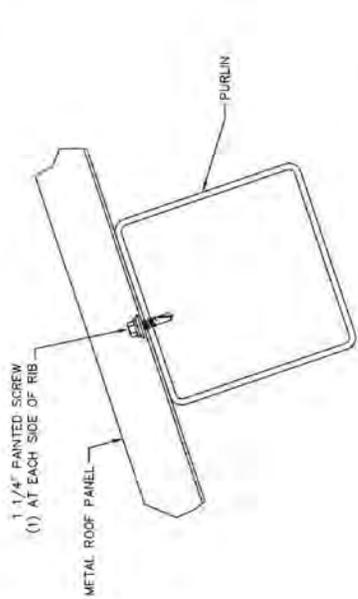
SHEET R1.1

DWG: RH18X27-10M-P4 - EL PASO ISD-CANYON HILLS MIDDLE SCHOOL\Engineering\Drawings\Submittals\RH-C00003 - 10455.dwg

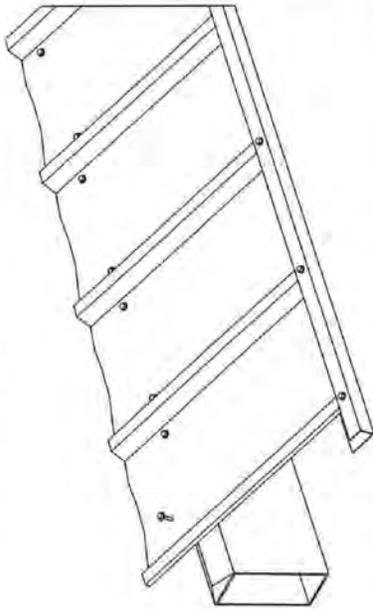
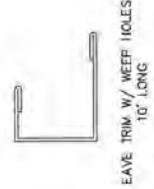
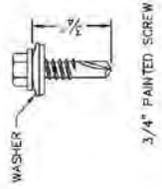
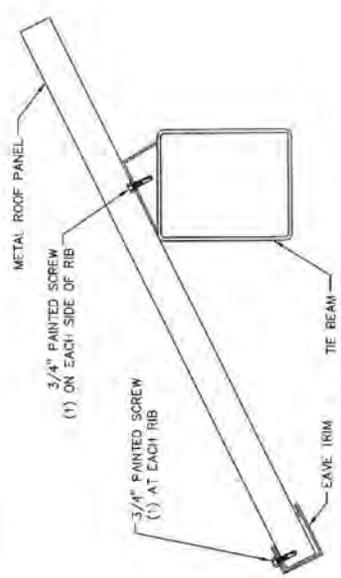


6/14/24

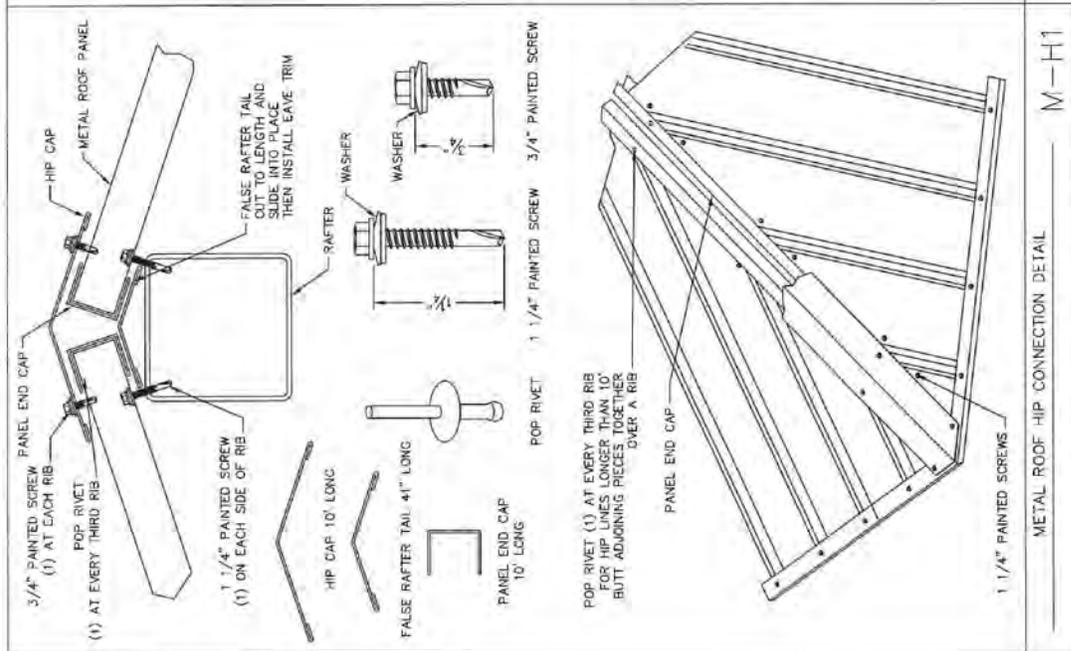
PRINTED ON: 6/5/2024



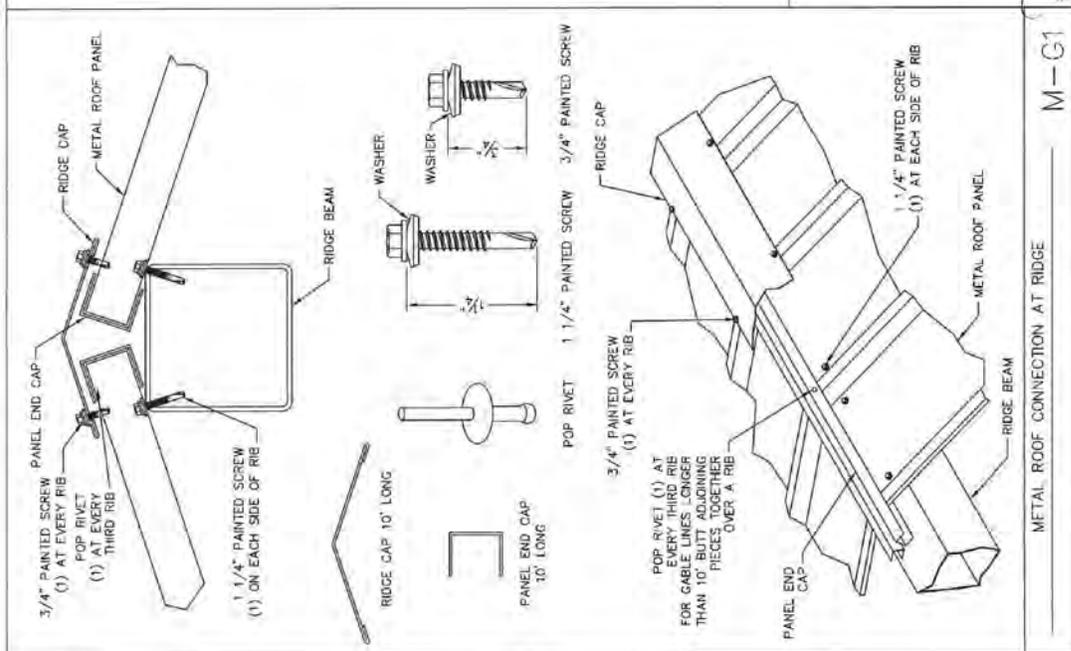
METAL ROOF PURLIN CONNECTION DETAIL M-P1



METAL ROOF EAVE CONNECTION DETAIL M-E1



M-H1 METAL ROOF HIP CONNECTION DETAIL



M-G1 METAL ROOF CONNECTION AT RIDGE



## ROOF DETAILS

DRAWN BY:	JWD
DATE:	6/5/2024
JOB NO.:	10455
REVISION:	A
BUILDING TYPE:	RH18X27-10M-P4
PROJECT NAME:	CANYON HILLS MIDDLE SCHOOL EL PASO, TX 79904
SHEET	R12



THOMAS COVINGTON  
152595  
PROFESSIONAL ENGINEER  
LICENSED IN THE STATE OF TEXAS

DWG: - RH18X27-10M-P4 - EL PASO ISD - CANYON HILLS MIDDLE SCHOOL \\\Engineering\Drawings\Submittals\R1-00003 - 10455.dwg

PRINTED ON: 6/5/2024



**ICON**  
Shebler Systems Inc.  
100 LINCOLN AVE.  
HOLLAND, MO, 64303  
TEL: 816.863.9300  
WWW.ICONSYSTEMS.COM  
OFFICE: 816.863.9300  
FAX: 816.863.9301

## ROOF DETAILS

DRAWN BY: JMD  
DATE: 6/5/2024  
JOB NO.: 10455  
REVISION: A

BUILDING TYPE: RH18X27-10M-P4  
PROJECT NAME: CANYON HILLS MIDDLE SCHOOL  
EL PASO, TX 79904

SHEET **R13**

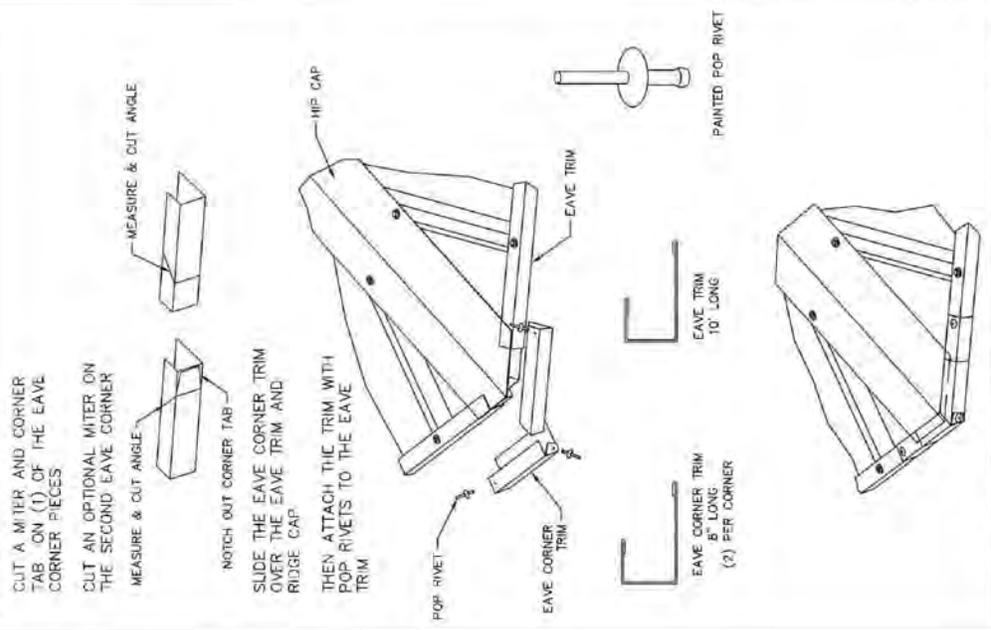


6/5/24

PRINTED ON: 6/5/2024

**M-M2**

METAL ROOF EAVE CORNER CONNECTION DETAIL

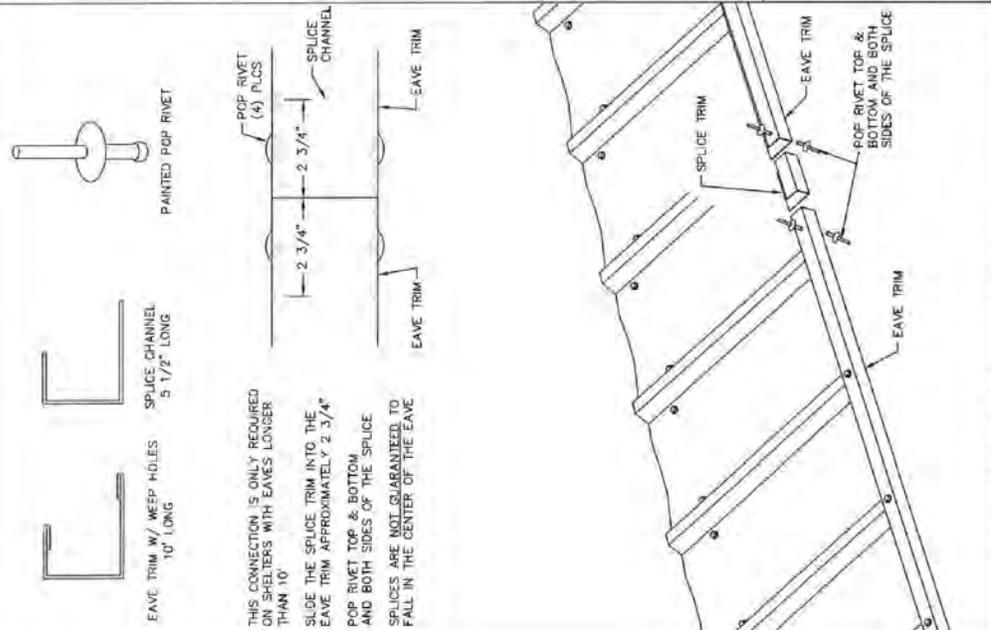


**M-S1**

METAL ROOF EAVE SPLICE CONNECTION DETAIL

**M-S1**

METAL ROOF EAVE SPLICE CONNECTION DETAIL



**M-S1**

METAL ROOF EAVE SPLICE CONNECTION DETAIL



**Board of Trustees**

**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Award of Austin HS Stadium Lighting Improvements, Project No. 24.535B, Utilizing Sourcewell Cooperative Contract, Sports Lighting Solutions with Related Technology, Equipment, and Services, RFP #041123MSL, to Musco Sports Lighting, LLC (Budgeted Operating Fund - \$398,430.00)*

**JUSTIFICATION STATEMENT:**

(Approval is needed to proceed with the construction of the Austin High School Stadium Lighting Improvements)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** S.B. Pierson/Ernesto L. Ortiz

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

Texas Education Code 44.031 (a), Texas Government Code Chapter 2269, and Board Policy CV (Legal) provide for eight (8) methods of delivery of construction services. As one of the available methods, a school district may enter into a contract to purchase construction-related goods or services through a purchasing cooperative.

The Facilities & Construction Department is requesting approval from the Board to utilize Sourcewell Cooperative Contract, Sports Lighting Solutions with Related Technology, Equipment, and Services, RFP #041123MSL, to contract with Musco Sports Lighting, LLC, for the Austin HS Stadium Lighting Improvements, Project No. 24.535B, in the amount of \$398,430.00. The project will consist in the installation of new stadium lighting and controls at Austin High School. The duration of construction is anticipated at one hundred twenty (120) calendar days.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended by Mr. Ernesto Ortiz, Director of Maintenance, Buildings & Grounds and Mr. S.B. Pierson, Chief Operations Officer, that the Board approve Austin HS Stadium Lighting Improvements, Project No. 24.535B, utilizing Sourcewell Cooperative Contract, Sports Lighting Solutions with Related Technology, Equipment, and Services RFP #041123MSL, to Musco Sports Lighting, LLC, in the amount of \$398,430.00, as presented.

**FUNDING SOURCE:** 199X Operating Fund **ACCOUNT NO.:** 199.81.6624.002.99.603.535

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$398,430.00
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:** Upon approval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

▢ Contract



**FACILITIES &  
CONSTRUCTION**  
EL PASO ISD  
it starts **with us**

**CONTRACT DOCUMENTS MANUAL**

**AND**

**TECHNICAL SPECIFICATIONS**

**FOR**

**SOURCEWELL COOPERATIVE CONTRACT 041123-MSL**

**EPISD PROJECT No. 24.535B**

**PROJECT TITLE: AUSTIN HS STADIUM LIGHTING IMPROVEMENTS**

**Facilities & Construction  
1100 N. STANTON STREET  
EL PASO, TEXAS 79902**

**TABLE OF CONTENTS – JOB ORDER CONTRACT DOCUMENTS**

Job Order Contract	JOC 1-3
Performance Bond	PeB1-2
Payment Bond	PaB 1-2-SP
Contract Amendment for Limited Sales, Excise and Use Tax	CA 1
Exemption Certificate	EC 1
Insurance Certificates	IC 1-17

**CONTRACT CONDITIONS**

Standard Terms and Conditions for Job Order Contracts	STC 1-12
---	----------

**TECHNICAL SPECIFICATIONS/SCOPE OF WORK**

Scope of Work and Schedule	S 1-6
Prevailing Wage Rates	WR 1-13
Contractor Certification (Criminal History)	C-1
Plans and Specifications	P&S 1-71

## **JOB ORDER CONTRACT**

THIS JOB ORDER CONTRACT (the "Contract") is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 2024 by and between Musco Sports Lighting, LLC ("Contractor") and the El Paso Independent School District, an independent school district and political subdivision of the State of Texas ("Owner"). Capitalized terms used in this Contract, unless otherwise defined herein shall have the meanings ascribed to them in the Proposal Documents.

### **WITNESSETH:**

That the Contractor and the Owner for the consideration hereinafter named agree as follows:

#### **ARTICLE I SCOPE OF WORK**

The Contractor agrees to provide all the materials and perform all the work as shown or required pursuant to Scope of Work included in this Contract for the Project entitled Project No. 24.535B Austin HS Stadium Lighting Improvements, Sourcewell Contract No. 041123-MSL.

#### **ARTICLE II TERM OF CONTRACT**

Work will begin upon notice to proceed and substantial completion shall be no more than One Hundred Twenty (120) calendar days thereafter. Final completion shall occur no later than thirty (30) days after substantial completion.

#### **ARTICLE III THE CONTRACT SUM**

Owner shall pay Contractor for the performance of the Contract, in current funds. The total sum is not to exceed a total amount of Three Hundred Ninety Eight Thousand Four Hundred Thirty Dollars No/100 (\$398,430.00), which includes payment and performance bonds not to exceed the amount of Two Thousand One Hundred Eighty and No/100 (\$2,180.00).

The Contract Sum is based upon Request for Proposals – Sourcewell Cooperative Contract, Sports Lighting Solutions with Related Technology, Equipment, and Services RFP# 041123MSL ("Sourcewell Cooperative Contract" or "Sourcewell Contract"). Contractor represents, warrants and covenants to Owner that the Contract Sum meets and does not exceed the Contractor requirements and pricing terms required by the Sourcewell Cooperative Contract. Contractor shall comply with the requirements in the Sourcewell Contract. Contractor specifically warrants that its proposal pricing meets and does not exceed the RS Means Cost Breakdown requirements as defined by the Sourcewell Contract.

#### **ARTICLE IV PROGRESS PAYMENTS**

The Owner shall make payments on account of the Contract as provided therein as follows:

Within thirty (30) days following Owner's receipt of an Application for Payment, Owner shall pay to the Contractor ninety-five percent (95%) of the value, less the aggregate of previous payments. The Owner shall not be obligated to make more than one (1) payment during any thirty (30) day period. Upon completion of the Work, Owner shall pay to Contractor a sum sufficient to increase the total payment to one hundred percent (100%) of the Project, less the amount reflecting the Owner's determination of the amount required for the Owner to complete any pending items.

#### **ARTICLE V ACCEPTANCE AND FINAL PAYMENT**

Final payment for the Work shall be due thirty (30) days after Final Acceptance of the Work under this Contract, provided the Work is fully completed and the Contract fully performed.

#### **ARTICLE VI LIENS**

No mechanic, contractor, subcontractor, supplier or other person can or will contract for or in any manner have or acquire any lien upon the buildings or works covered by the Contract, or the land upon which the same is situated.

#### **ARTICLE VII**

## INSURANCE

The Contractor hereby certifies that it has in full force and effect all of the insurance as follows:

1. **Liability Insurance.** The Contractor shall purchase and maintain such insurance as will protect Contractor and the Owner from claims set forth below which may arise out of or result from the Contractor's operations under the Contract, whether such operations be by himself or by any Subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable in the amounts hereinafter set forth:
2. **Employer's Liability Coverage.** Lines of Five Hundred Thousand and No Dollars (\$500,000.00) per accident per employee per lease. In addition, if employees will be provided through a leasing company, Contractor shall provide Owner with a copy of the leasing company's Texas State License and evidence of workers' compensation coverage insuring the leased employees.
3. **Commercial General Liability Insurance.** Contractor shall maintain commercial general liability insurance with a combined single line of One Million and No Dollars (\$1,000,000.00) covering claims for damages because of bodily injury, sickness or disease, death and property damage, with an endorsement naming Owner as Additional Insured. Such insurance shall be on a commercial general liability form and provide coverage on an occurrence per project basis. The following coverages shall be included:
  - (a) Premises and Operations coverage, including coverage for explosion, collapse and underground damage, if applicable;
  - (b) Products and Completed Operations coverage;
  - (c) Blanket contractual coverage;
  - (d) Personal and Advertising Injury coverage;
  - (e) Fire damage with a limit of One Hundred Thousand and No Dollars (\$100,000.00);
  - (f) An endorsement naming Owner as an additional insured; and
  - (g) Deductible limitation Five Thousand and No Dollars (\$5,000.00).
4. **Business Auto Liability Insurance.** Contractor shall provide Business Automobile Liability Insurance, including (a) any auto, or (b) all owned, hired and non-owned automobiles, in an amount of not less than One Million Dollars (\$1,000,000.00). An endorsement naming Owner as Additional Insured shall be provided.
5. **Umbrella Liability Insurance.** Contractor shall provide an umbrella policy in an amount of not less than Two Million Dollars (\$2,000,000.00) for bodily injury and/or property damage liability listing above underlying policies, with an endorsement naming Owner as Additional Insured.
6. **Property Insurance.**

The Contractor shall purchase and maintain Builder's Risk Insurance upon the entire Work at the site to the full insurable value thereof until Final Acceptance of the Project by the Owner. Such insurance shall:

  - (a) be "All Risk" insurance or "Special Form" coverage;
  - (b) include the interests of the Owner (including its agents), the Contractor, subcontractors and sub-subcontractors in the Work and shall, without limitation, insure against the perils of fire and extended coverage and physical loss or damage including, without duplication of coverage, theft (of property, tools, equipment, vehicles) vandalism and malicious mischief, collapse and water damage, flood and earthquake, testing and debris removal, including demolition occasioned by enforcement of any applicable legal requirements;
  - (c) cover reasonable compensation for Consultant's services and expenses required as a result of such insured loss.
  - (d) if not covered under Builder's Risk Insurance or otherwise provided in the Contract Documents, the Contractor shall effect and maintain similar property insurance on portions of the Work stored off the site or in transit when such portions of the Work are to be included in an Application for Payment. At Owner's discretion, Owner may accept an installation floater in lieu of Builder's Risk Insurance in the amount of the contract value.
7. Contractor shall maintain all of the foregoing insurance coverage in force until Final Acceptance of the Work other than the Products and Completed Operations Coverage required under Subparagraph 6.1.2(b) above, which shall be maintained for three (3) years following Final Acceptance of the Work.

8. If by the terms of this insurance any mandatory deductions are required, or if the Contractor should elect, with the concurrence of the Owner, to increase the mandatory deductible amounts or purchase this insurance with voluntary deductible amounts, the Contractor shall be responsible for payment of the amount of the deductible in the event of a paid claim.

9. Losses are to be adjusted with the Owner. All insurance policies shall provide for occupancy by the Owner prior to Final Acceptance.

The Contractor further certifies that the Contractor provides workers' compensation insurance coverage for all of its employees who will be employed for any of the Work described herein. The Contractor agrees to require each of its subcontractors to provide a certificate to the Contractor certifying that all of the subcontractor's employees are covered by workers' compensation insurance, and the Contractor shall deliver such certificate(s) to the Owner prior to commencement of the Work.

**ARTICLE VIII  
THE SOURCEWELL CONTRACT**

This Contract is subject to the terms and conditions of the Sourcewell Contract.

IN TESTIMONY WHEREOF, the parties have executed this Contract in quadruplicate effective on the day and year first set forth above.

ATTEST:

By: Melinda White

CONTRACTOR: Masco Sports Lighting, LLC

By: [Signature]

Name: James M. Hansen

Title: Secretary

EL PASO INDEPENDENT SCHOOL DISTRICT

By: \_\_\_\_\_

Name: Diana Sayavedra

Title: Superintendent

*Approval as to Form*

Signed: Tuesday, June 11, 2024

[Signature]

Signed: Tuesday, June 11, 2024

**PERFORMANCE BOND**  
(Chapter 2253, Texas Government Code)

THE STATE OF TEXAS  
COUNTY OF EL PASO

**KNOW ALL MEN BY THESE PRESENTS:** That we  
\_\_\_\_\_, (Full Name of Contractor) a \_\_\_\_\_ of  
\_\_\_\_\_  
(Corporation/LLC/Partnership/Individual) of  
\_\_\_\_\_ hereinafter called Principal, (Full Address of Contractor) and  
\_\_\_\_\_  
(Full Name of Surety)  
of \_\_\_\_\_, State of \_\_\_\_\_,  
(City)

hereinafter called the Surety, are held and firmly bound unto the El Paso Independent School District, hereinafter called Owner, in the penal sum of Three Hundred Ninety Eight Thousand Four Hundred Thirty Dollars No/100 Dollars (\$398,430.00) in lawful money of the United States, to be paid in El Paso, El Paso County, Texas, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

**WHEREAS**, the Principal entered into a certain Contract with the Owner, dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, (the "Contract") for the construction of: Austin HS Stadium Lighting Improvements (Project No. 24.535B) which Contract is incorporated herein by this reference;

**NOW, THEREFORE**, if the Principal shall well, truly and faithfully perform the Contract in accordance with the Plans, Specifications and other Contract Documents during the original term thereof, INCLUDING ANY WARRANTY AND GUARANTY PERIODS, and any extensions thereof which may be granted by the Owner, with or without notice to the Surety, and if he shall satisfy all claims and demands incurred under such Contract, and shall fully indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense which the Owner may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect. Whether the Contractor has defaulted under the Contract, and the duties and responsibilities of the Surety in the event of such default, shall be determined in accordance with the terms of the Contract.

**PROVIDED FURTHER**, that if any legal action be filed upon this bond, venue shall lie in El Paso County, State of Texas and that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the Contract or to the Plans or Specifications accompanying the same shall in anywise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition.

All notices to the Principal or Surety may be mailed or delivered to the address shown following their respective signatures below.

**IN WITNESS WHEREOF**, this instrument is executed in five (5) counterparts, each one of which shall be deemed an original, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

**PRINCIPAL:**

Musco Sports Lighting, LLC

ATTEST:

By \_\_\_\_\_  
Secretary

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

JOC

PeBI

Witness as to Principal (if a Partnership or Individual)

\_\_\_\_\_  
\_\_\_\_\_  
(Address)

\_\_\_\_\_  
\_\_\_\_\_  
(Address)

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Partner

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Partner

**SURETY:**

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Attorney-in-Fact

\_\_\_\_\_  
\_\_\_\_\_  
(Address)

**THE ADDRESS OF THE SURETY TO WHICH A NOTICE OF CLAIM SHOULD BE SENT MAY BE OBTAINED FROM THE TEXAS DEPARTMENT OF INSURANCE BY CALLING THE FOLLOWING TOLL-FREE TELEPHONE NUMBER: 800/252-3439**

NOTE: Date of Bond must not be prior to date of Contract.  
If Contractor is a Partnership, all partners must execute bond.

**PAYMENT BOND**  
(Chapter 2253, Texas Government Code)  
(Job Order Contract)

THE STATE OF TEXAS  
COUNTY OF EL PASO

**KNOW ALL MEN BY THESE PRESENTS:** That we \_\_\_\_\_  
of \_\_\_\_\_ hereinafter called Principal, and  
\_\_\_\_\_ of \_\_\_\_\_  
(Full Name of Surety) (City)

State of \_\_\_\_\_, hereinafter called the Surety, are held and firmly bound unto the El Paso Independent School District, hereinafter called Owner, in the penal sum of Three Hundred Ninety Eight Thousand Four Hundred Thirty Dollars No/100 (\$398,430.00). In lawful money of the United States, to be paid in El Paso, El Paso County, Texas, the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

**WHEREAS**, the Principal entered into a certain Job Order Contract with the Owner, dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, (the "Contract") for the Minor Construction, Repair, Rehabilitation and Alteration of Facilities of: \_\_\_\_\_  
Austin HS Stadium Lighting Improvements (REP#041123-MSL (Project No. 24.535B)

**WHEREAS**, pursuant to the Contract, Owner has issued the Contract effective the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ (the "Contract").

**NOW, THEREFORE**, the condition of this obligation is such that, if the Principal shall promptly make payment to all payment bond beneficiaries as defined in Chapter 2253, Texas Government Code, as amended, supplying labor and materials in the prosecution of the Work provided herein, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

This bond is made and entered into solely for the protection of all payment bond beneficiaries supplying labor and material in the prosecution of the work provided for in said Contract for said Contract, and all payment bond beneficiaries shall have a direct right of action under this bond as provided in Chapter 2253, Texas Government Code, as amended.

**PROVIDED FURTHER**, that if any legal action be filed upon this bond, venue shall lie in El Paso County, State of Texas and that the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract shall in anywise affect its obligation on this bond, and the Surety does hereby waive notice of any such change, extension of time, alteration or addition.

**PROVIDED FURTHER**, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

All notices to either the Principal or the Surety may be delivered to the address shown following their respective signatures below.

**IN WITNESS WHEREOF**, this instrument is executed in three (3) counterparts, each one of which shall be deemed an original, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

**PRINCIPAL: Musco Sports Lighting, LLC**

ATTEST:

By: \_\_\_\_\_  
Secretary

\_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Witness as to Principal (if a Partnership  
or Individual)

\_\_\_\_\_  
\_\_\_\_\_  
(Address)

\_\_\_\_\_  
\_\_\_\_\_  
(Address)

By: \_\_\_\_\_

Name: \_\_\_\_\_  
Partner

By: \_\_\_\_\_

Name: \_\_\_\_\_  
Partner

**SURETY:**

\_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_  
Attorney-in-Fact

\_\_\_\_\_

\_\_\_\_\_  
(Address)

**THE ADDRESS OF THE SURETY TO WHICH  
A NOTICE OF CLAIM SHOULD BE SENT  
MAY BE OBTAINED FROM THE TEXAS  
DEPARTMENT OF INSURANCE BY CALLING  
THE FOLLOWING TOLL-FREE TELEPHONE  
NUMBER:**

**800-252-3439**

**NOTE:** Date of Bond must not be prior to date of the Contract.  
If Contractor is a Partnership, all partners must execute bond.



**EXEMPTION CERTIFICATE**

The undersigned hereby claims an exemption from payment of taxes under Chapter 151, Texas Tax Code, known as the Limited Sales, Excise, and Use Tax Act, for the purchase of the tangible personal property described on the attached order or invoice which is made a part hereof, and will be purchased from \_\_\_\_\_

The reason that the undersigned is claiming this exemption is: The material listed is to be used in the construction of \_\_\_\_\_  
Austin HS Stadium Lighting Improvements, Project No. 24.535B El Paso, Texas and an exemption is claimed under Section 151.309 of the Texas Tax Code. All of such material is to be furnished to the EL PASO INDEPENDENT SCHOOL DISTRICT, for which the improvements are being constructed by the undersigned.

The undersigned agrees that if the property is used in such a manner as to subject the sale thereof to tax under the Texas Limited Sales, Excise and Use Tax Act, the undersigned becomes liable for the tax.

EXECUTED this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

**CONTRACTOR:**

Musco Sports Lighting, LLC

By: \_\_\_\_\_

Name: Arturo Cervantes

Title: Vice President

EL PASO Independent School District TAX EXEMPT NO. 1-74-6000769-7



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
5/23/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Arthur J. Gallagher Risk Management Services, LLC 4201 Westown Parkway, Suite 120 West Des Moines IA 50266		<b>CONTACT</b> Name: Francisco Hencuna Phone (AC, IN, EX): 515-209-6220 FAX (AC, IN, EX): 515-457-6949 E-Mail: Francisco_Hencuna@ajg.com Address:	
<b>INSURED</b> Musco Sports Lighting, LLC 100 1st Ave W Oskaloosa, IA 52577		<b>INSURER(S) AFFORDING COVERAGE</b>	
		INSURER A: Sentry Insurance Company	NAIC #: 24666
		INSURER B: Travelers Property Casualty Co of America	25674
		INSURER C: Sentry Casualty Company	28460
		INSURER D: Continental Casualty Company	20443
		INSURER E:	
		INSURER F:	

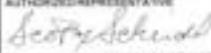
COVERAGES      CERTIFICATE NUMBER: 1311724019      REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

NO.	LINE	TYPE OF INSURANCE	ADD. SUVR. PLS. NO.	POLICY NUMBER	POLICY EFF. DATE (MM/DD/YYYY)	POLICY EXP. DATE (MM/DD/YYYY)	LIMITS
A	X	COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUR		9016877004	7/1/2023	7/1/2024	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES/EX. EQUIPMENT \$ 1,000,000 MED. EXP. (per person) \$ 10,000 PERSONAL & ADV. INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP. HOD \$ 2,000,000 OTHER \$
		GEN. AGGREGATE LIMIT APPLIES PER X POLICY X (SO) LDC					
A	X	AUTOMOBILE LIABILITY X ANY AUTO OWNED SCHEDULED AUTOS ONLY NON-OWNED AUTOS ONLY AUTOS ONLY		9016877003	7/1/2023	7/1/2024	COMBINED SINGLE LIMIT \$ 1,000,000 BODILY INJURY (per person) \$ BODILY INJURY (per accident) \$ PROPERTY DAMAGE (per accident) \$
B	X	WARRANTY LABOR EXCESS LABOR X OCCUR CLAIMS MADE GEN. X SEVERE CONSUMERS DAMAGE		CUP3863336023PF	7/1/2023	7/1/2024	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
111		WORKERS COMPENSATION AND EMPLOYERS LIABILITY ANY EMPLOYER/CONTRACTOR/INDEPENDENT CONTRACTOR/RENTALS/EXCLUDED* (Standard in 199)	Y/N N/A	9016877001 - AGS 9016877002 - AZ, WI	7/1/2023 7/1/2023	7/1/2024 7/1/2024	X PER STATE OR EM E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D		Artists & Engineers Professional Liability & Public Liability		C8514214603	7/1/2023	7/1/2024	Each Claim Aggregate \$ 5,000,000 Per Person \$ 250,000

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES: (ACORD 101 Additional Features Schedule, may be attached if more space is required)  
RE: Musco Project 205796 - El Paso ISD Austin High School Football Retrofit | Project No. 24535b - Austin HS Stadium Lighting Improvements

El Paso ISD is shown as Additional Insured solely with respect to General Liability coverage as evidenced herein on a Primary/Non-Contributory basis and Auto Liability coverage as required by written contract with respect to work performed by the Named Insured. A Waiver of Subrogation in favor of Additional Insureds is included under the General Liability, Auto Liability and Workers Compensation coverages as evidenced herein as required by written contract.

<b>CERTIFICATE HOLDER</b>  El Paso ISD 1100 North Stanton El Paso, TX 79925	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
---	--

© 1986-2015 ACORD CORPORATION. All rights reserved.

ACORD 25 (01/16/03)      The ACORD name and logo are registered marks of ACORD

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**  
**ADDITIONAL INSURED - AUTOMATIC STATUS WHEN  
REQUIRED BY CONTRACT OR AGREEMENT WITH YOU**

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM  
BUSINESS AUTO COVERAGE FORM  
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

- A. The Who Is An Insured** provision of **Covered Autos Liability Coverage** is amended to include as an **additional insured** any person or organization for whom you are performing operations when you and such person or organization have agreed in writing in a contract or agreement that such person or organization be added as an additional insured on your policy.

The status of an additional insured under this endorsement ends when your operations for that additional insured are completed.

- B. The most we will pay on behalf of the additional insured is the lesser of the amount payable under the Limit of Insurance for Covered Autos Liability Coverage or the amount of insurance required by the contract or agreement.**
- C. Notwithstanding any requirement, term or condition of any contract or agreement with respect to which this endorsement may pertain, the insurance afforded to the additional insured is subject to all the terms, exclusions and conditions of the COMMERCIAL AUTO COVERAGE FORM to which this endorsement is attached.**

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**DESIGNATED INSURED - PRIMARY AND  
NONCONTRIBUTORY - COVERED AUTOS  
LIABILITY COVERAGE**

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM  
MOTOR CARRIER COVERAGE FORM  
AUTO DEALERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" for Covered Autos Liability Coverage under the Who Is An Insured provision of the Coverage Form.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated.

**Named Insured:**  
**Endorsement Effective Date:**

**SCHEDULE**

**Name Of Person(s) Or Organization(s):**

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

**A. Each person or organization shown in the Schedule is an "insured" for Covered Autos Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in:**

- (1) Paragraph A.1. of Section II - Covered Autos Liability Coverage in the Business Auto and Motor Carrier Coverage Forms; or
- (2) Paragraph D.2. of Section I - Covered Autos Coverages of the Auto Dealers Coverage Form.

**B. Primary And Noncontributory Insurance**

This insurance is primary to and will not seek contribution from any other auto insurance issued to the person or organization in the schedule under your policy provided that:

- (1) The person or organization is a Named Insured under such other insurance; and
- (2) Prior to the "accident" you have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the person or organization.

POLICY NUMBER: 9016877003

COMMERCIAL AUTO  
CA 76 16 06 18

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**BLANKET WAIVER OF TRANSFER OF  
RIGHTS OF RECOVERY AGAINST OTHERS  
TO US (WAIVER OF SUBROGATION)**

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM  
BUSINESS AUTO COVERAGE FORM  
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

**Named Insured:** Musco Corporation

**Endorsement Effective Date:** 07/01/2023

The **Transfer Of Rights Of Recovery Against Others To Us** condition does not apply to a person(s) or organization(s), but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a written contract with that person or organization.

CA 76 16 06 18  
9016877  
Sentry Insurance Company

Includes copyrighted material of Insurance Services Office, Inc.,  
with its permission.

Page 1 of 1  
06/23/2023

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**  
**NOTICE OF CANCELLATION - CERTIFICATE HOLDERS**

This endorsement modifies insurance provided under the following:

BUSINESSOWNERS COVERAGE FORM  
COMMERCIAL AUTOMOBILE COVERAGE PARTS  
COMMERCIAL PROPERTY COVERAGE PART  
CRIME AND FIDELITY COVERAGE PART  
COMMERCIAL INLAND MARINE COVERAGE PART  
COMMERCIAL GENERAL LIABILITY COVERAGE PARTS  
COMMERCIAL EXCESS/UMBRELLA LIABILITY COVERAGE FORM  
EMPLOYMENT RELATED PRACTICES LIABILITY  
POLLUTION LIABILITY COVERAGE  
ERRORS AND OMISSIONS COVERAGE FORM

In the event we cancel this policy, we shall endeavor to also mail to the person(s) or organization(s) listed in the Schedule for this endorsement advance written notice of cancellation.

This notification of cancellation of the policy is intended as a courtesy only. Our failure to provide such notification to the person(s) or organization(s) shown in the Schedule will not extend any policy cancellation date nor impact or negate any cancellation of the policy. This endorsement does not entitle the person(s) or organization(s) listed or described in the Schedule below to any benefit, rights or protection under this policy.

Failure by us to provide this notice of cancellation to the person(s) or organization(s) listed or described in the Schedule below will not impose liability of any kind upon us.

Any of these provisions that conflict with a law that controls the notice of cancellation of the insurance in this endorsement is changed by this statement to comply with the law.

**Schedule**

Person(s) or Organization(s) including mailing address:

Per the listing of certificate holders provided by the Broker upon our request, 30 day notice of cancellation applies.

All other terms and conditions of this policy remain unchanged.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

Name:

Address: AL, AR, CO, CT, FL, GA, IA, ID, IL, IN, KS, LA, MD, MI, MN, MO, MS, NC, NY, OH, OR, PA, RI, SC, TN, VA

Description of Waiver: Any person or organization for whom the Named Insured has agreed by written contract executed prior to loss.

JobID:

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective Insured Policy No. 9016677001 Endorsement No. Premium Insurance Company Countersigned by \_\_\_\_\_

WC 00 03 13 (Ed. 4-84) © 1983 National Council on Compensation Insurance.



**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**NOTICE OF CANCELLATION-CERTIFICATE HOLDERS  
WORKERS COMPENSATION**

The person(s) or organization(s) listed or described in the Schedule below have requested that they receive written notice of cancellation when this policy is cancelled by us. We will mail or deliver to the Person(s) or Organization(s) listed or described in the Schedule a copy of the written notice of cancellation that we sent to you. Such copies of the notice will be mailed as soon as practicable to the address or addresses provided by your broker or agent.

This notification of cancellation of the policy is intended as a courtesy only. Our failure to provide such notification to the person(s) or organization(s) shown in the Schedule will not extend any policy cancellation date nor impact or negate any cancellation of the policy. This endorsement does not entitle the person(s) or organization(s) listed or described in the Schedule below to any benefit, rights or protection under this policy.

Failure by us to provide this notice of cancellation to the person(s) or organization(s) listed or described in the Schedule below will not impose liability of any kind upon us.

Any of these provisions that conflict with a law that controls the notice of cancellation of the insurance in this endorsement is changed by this statement to comply with the law.

**SCHEDULE**

Person(s) or Organization(s) including mailing address:

Per the listing of certificate holders provided by the Broker upon our request. 30 day notice of cancellation applies.

All other terms and conditions of this policy remain unchanged.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective Insured Policy No. 9016677001 Endorsement No. Premium  
Insurance Company Countersigned by \_\_\_\_\_

WC 99 06 72 (Ed. 09 11)  
9016677  
Sentry Casualty Company

Page 1 of 1  
09/23/2023

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED - OWNERS, LESSEES OR  
CONTRACTORS - SCHEDULED PERSON OR  
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

**SCHEDULE**

<p><b>Name of Person or Organization:</b> As required by written contract</p>
---

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

**A. Section II - Who Is An Insured** is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of your ongoing operations performed for that insured.

**B. With respect to the insurance afforded to these additional insureds, the following exclusion is added:**

**2. Exclusions**

This insurance does not apply to "bodily injury" or "property damage" occurring after:

(1) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the site of the covered operations has been completed; or

(2) That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

POLICY NUMBER: 9016877004

COMMERCIAL GENERAL LIABILITY  
CG 20 37 10 01

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED - OWNERS, LESSEES OR  
CONTRACTORS - COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

**SCHEDULE**

<b>Name of Person or Organization:</b> As required by written contract
<b>Location And Description of Completed Operations:</b>
<b>Additional Premium:</b>

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

**Section II - Who is An Insured** is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" at the location designated and described in the schedule of this endorsement performed for that insured and included in the "products-completed operations hazard".

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**BLANKET ADDITIONAL INSUREDS, PRIMARY &  
NONCONTRIBUTORY, WAIVER OF SUBROGATION**

This endorsement modifies the coverage provided under the following Coverage Form(s):  
COMMERCIAL GENERAL LIABILITY COVERAGE PART

**SCHEDULE**

Coverage enhancements are listed below. For details of each coverage, please read the corresponding policy provisions in the body of this endorsement.

- 1. Additional Insureds - Automatic Status for 12 Additional Insured Types**
  - A. Automatic Status When Required in Written Contract Or Agreement (for Acts or Omissions in The Performance of Your Operations)
  - B. Lessor of Leased Equipment
  - C. Owners or Other Interests From Whom Land Has Been Leased
  - D. Manager or Lessor of Premise
  - E. Mortgagee, Assignee, or Receiver
  - F. Controlling Interest
  - G. Co-owner Of Insured Premises
  - H. Executors, Administrators, Trustees Or Beneficiaries
  - I. State Or Governmental Agency Or Subdivision Or Political Subdivision - Permits Or Authorizations Relating To Premises
  - J. Any Person Or Organization You Are Performing Work For
  - K. Vendors
  - L. Grantor of Franchise
- 2. Primary and Noncontributory - Other Insurance Condition**
- 3. Waiver Of Transfer Of Rights Of Recovery Against Others To Us (Waiver Of Subrogation) - Automatic**

With respect to the coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

**1. Additional Insureds - Automatic Status for 12 Additional Insured Types**

Section II - Who is An Insured is amended to include the following as additional insureds when you have agreed to add that person or organization as an Additional Insured on your policy in a written contract or written agreement with that person or organization, or because of a permit issued by a state or political subdivision; provided the injury or damage occurs subsequent to the execution of the contract or agreement or issuance of the permit and while the contract, agreement or permit remains in effect.

**A. Automatic Status When Required in Written Contract Or Agreement (for Acts or Omissions in The Performance of Your Operations)**

- 1) A person or organization with respect to liability for:
  - a. "Bodily injury" or "property damage" not included in the "products-completed operations hazard"; or
  - b. "Personal and advertising injury"; caused by, in whole or in part, your acts or omissions or the acts or omissions of those acting on your behalf in the performance of your operations.

- 2) With respect to insurance afforded to these additional insureds, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" due to rendering of or failure to render any professional service. This includes but is not limited to:

- a. Legal, accounting or advertising services;
- b. Preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings or specifications;
- c. Inspection, supervision, quality control, architectural or engineering activities done by or for you on a project on which you serve as construction manager;
- d. Engineering services, including related supervisory or inspection services;
- e. Medical, surgical, dental, X-ray or nursing services treatment, advice or instruction;
- f. Any health or therapeutic service treatment, advice or instruction;
- g. Any service, treatment, advice or instruction for the purpose of appearance or skin enhancement, hair removal or replacement, or personal grooming or therapy;
- h. Any service, treatment, advice or instruction relating to physical fitness, including service, treatment, advice or instruction in connection with diet, cardiovascular fitness, bodybuilding or physical training programs;
- i. Optometry or optical or hearing aid services including the prescribing, preparation, fitting, demonstration or distribution of ophthalmic lenses and similar products or hearing aid devices;
- j. Body piercing services;
- k. Services in the practice of pharmacy;
- l. Law enforcement or firefighting services; and
- m. Handling, embalming, disposal, burial, cremation or disinterment of dead bodies.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or failure to render any professional service.

#### B. Lessor of Leased Equipment

- 1) Any person(s) or organization(s) with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your maintenance, operation or use of equipment leased to you by such person(s) or organization(s).
- 2) With respect to the insurance afforded to these additional insureds, this insurance does not apply to any "occurrence" which takes place after the equipment lease expires.

#### C. Owners or Other Interests From Whom Land Has Been Leased

- 1) Any person(s) or organization(s) with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by you or those acting on your behalf in connection with the ownership, maintenance or use of that part of the land leased to you by the additional insured person(s) or organization(s).
- 2) With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:  
This insurance does not apply to:
  - a. Any "occurrence" which takes place after you cease to lease that land;
  - b. Structural alterations, new construction or demolition operations performed by or on behalf of the additional insured person(s) or organization(s).

**D. Manager or Lessor of Premise**

Any person(s) or organization(s) with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by you or those acting on your behalf in connection with the ownership, maintenance or use of that part of the premises leased to you by the additional insured person(s) or organization(s), subject to the following additional exclusions:

This insurance does not apply to:

- 1) Any "occurrence" which takes place after you cease to be a tenant in that premises.
- 2) Structural alterations, new construction or demolition operations performed by or on behalf of the person(s) or organization(s) shown in the Schedule.

**E. Mortgagee, Assignee, or Receiver**

Any person(s) or organization(s) with respect to their liability as mortgagee, assignee or receiver and arising out of the ownership, maintenance or use of a premises by you.

This insurance does not apply to structural alterations, new construction and demolition operations performed by or for such additional insured person(s) or organization(s).

**F. Controlling Interest**

- 1) Any person(s) or organization(s) with respect to their liability arising out of:
  - a. Their financial control of you; or
  - b. Premises they own, maintain or control while you lease or occupy these premises.
- 2) This insurance does not apply to structural alterations, new construction and demolition operations performed by or for that person or organization.

**G. Co-owner Of Insured Premises**

Any person(s) or organization(s) with respect to their liability as co-owner of a premises owned by you and covered under this insurance.

**H. Executors, Administrators, Trustees Or Beneficiaries**

Any executor, administrator, trustee or beneficiary of your estate or living trust while acting within the scope of their duties as such.

**I. State Or Governmental Agency Or Subdivision Or Political Subdivision - Permits Or Authorizations Relating To Premises**

Any state or governmental agency or subdivision or political subdivision, subject to the following additional provision:

This insurance applies only with respect to the following hazards for which the state or governmental agency or subdivision or political subdivision has issued a permit or authorization in connection with premises you own, rent or control and to which this insurance applies:

- 1) The existence, maintenance, repair, construction, erection or removal of advertising signs, awnings, canopies, cellar entrances, coal holes, driveways, manholes, marquees, hoist away openings, sidewalk vaults, street banners or decorations and similar exposures; or
- 2) The construction, erection or removal of elevators; or
- 3) The ownership, maintenance or use of any elevators covered by this insurance.

**J. Any Person Or Organization You Are Performing Work For**

Any person(s) or organization(s) with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- 1) In the performance of your ongoing operations; or
- 2) In connection with your premises owned by or rented to you.

**K. Vendors**

1) Any person(s) or organization(s) (referred to throughout this endorsement as vendor), but only with respect to liability for "bodily injury" or "property damage" arising out of "your products" which are distributed or sold in the regular course of the vendor's business.

However:

- a. The insurance afforded to such vendor only applies to the extent permitted by law; and

- b. If coverage provided to the vendor is required by a contract or agreement, the insurance afforded to such vendor will not be broader than that which you are required by the contract or agreement to provide for such vendor.
- 2) With respect to the insurance afforded to these vendors, the following additional exclusions apply:
- a. The insurance afforded the vendor does not apply to:
    - 1) "Bodily injury" or "property damage" for which the vendor is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the vendor would have in the absence of the contract or agreement.
    - 2) Any express warranty unauthorized by you;
    - 3) Any physical or chemical change in the product made intentionally by the vendor;
    - 4) Repackaging, except when unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instructions from the manufacturer, and then repackaged in the original container;
    - 5) Any failure to make such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products;
    - 6) Demonstration, installation, servicing or repair operations, except such operations performed at the vendor's premises in connection with the sale of the product;
    - 7) Products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor; or

- 8) "Bodily injury" or "property damage" arising out of the sole negligence of the vendor for its own acts or omissions or those of its employees or anyone else acting on its behalf. However, this exclusion does not apply to:
  - (1) The exceptions contained in Subparagraphs d. or f.; or
  - (2) Such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products.
- b. This insurance does not apply to any insured person or organization, from whom you have acquired such products, or any ingredient, part or container, entering into, accompanying or containing such products.

**L. Grantor of Franchise**

Any person(s) or organization(s) with respect to their liability as grantor of a franchise to you.

However:

- 1. The insurance afforded to such additional insureds only applies to the extent permitted by law; and
- 2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

With respect to the insurance afforded to these additional insureds, the following is added to **Section III - Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

- 1. Required by the contract or agreement; or
  - 2. Available under the applicable limits of insurance;
- whichever is less.

This endorsement shall not increase the applicable limits of insurance.

If there is any difference in coverage afforded to an additional insured in this endorsement and

that provided under another additional insured endorsement attached to this policy, the broader coverage will apply to that additional insured.

**2. Primary And Noncontributory Insurance**

The following is added to the Other Insurance Condition and supersedes any provision to the contrary:

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

- (1) The additional insured is a Named insured under such other insurance; and
- (2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from

any other insurance available to the additional insured.

**3. Waiver Of Transfer Of Rights Of Recovery Against Others To Us (Waiver Of Subrogation) - Automatic**

The following is added to Paragraph 8. Transfer Of Rights Of Recovery Against Others To Us of Section IV - Conditions:

We waive any right of recovery against any person or organization, because of any payment we make under this Coverage Part, to whom the insured has waived its right of recovery in a written contract or agreement. Such waiver by us applies only to the extent that the insured has waived its right of recovery against such person or organization prior to loss.

CG 71 24 06 22  
S016877  
Sentry Insurance Company  
Sentry Insurance Company  
Sentry Insurance Company

Includes copyrighted material of Insurance Services Office, Inc.,  
with its permission.

Page 5 of 5  
06/23/2023

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**  
**NOTICE OF CANCELLATION - CERTIFICATE HOLDERS**

This endorsement modifies insurance provided under the following:

- BUSINESSOWNERS COVERAGE FORM
- COMMERCIAL AUTOMOBILE COVERAGE PARTS
- COMMERCIAL PROPERTY COVERAGE PART
- CRIME AND FIDELITY COVERAGE PART
- COMMERCIAL INLAND MARINE COVERAGE PART
- COMMERCIAL GENERAL LIABILITY COVERAGE PARTS
- COMMERCIAL EXCESS/UMBRELLA LIABILITY COVERAGE FORM
- EMPLOYMENT RELATED PRACTICES LIABILITY
- POLLUTION LIABILITY COVERAGE
- ERRORS AND OMISSIONS COVERAGE FORM

In the event we cancel this policy, we shall endeavor to also mail to the person(s) or organization(s) listed in the Schedule for this endorsement advance written notice of cancellation.

This notification of cancellation of the policy is intended as a courtesy only. Our failure to provide such notification to the person(s) or organization(s) shown in the Schedule will not extend any policy cancellation date nor impact or negate any cancellation of the policy. This endorsement does not entitle the person(s) or organization(s) listed or described in the Schedule below to any benefit, rights or protection under this policy.

Failure by us to provide this notice of cancellation to the person(s) or organization(s) listed or described in the Schedule below will not impose liability of any kind upon us.

Any of these provisions that conflict with a law that controls the notice of cancellation of the insurance in this endorsement is changed by this statement to comply with the law.

**Schedule**

Person(s) or Organization(s) including mailing address:

Per the listing of certificate holders provided by the Broker upon our request, 30 day notice of cancellation applies.

All other terms and conditions of this policy remain unchanged.



# EVIDENCE OF PROPERTY INSURANCE

DATE (MM/DD/YYYY)

9/23/2024

THIS EVIDENCE OF PROPERTY INSURANCE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE ADDITIONAL INTEREST NAMED BELOW. THIS EVIDENCE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS EVIDENCE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE ADDITIONAL INTEREST.

AGENCY PHONE (A/C, No. Ext) 515-457-8848  
 Arthur J. Gallagher Risk Management Services, LLC  
 4201 Westown Parkway, Suite 130  
 West Des Moines, IA 50366

COMPANY  
 Continental Casualty Company  
 333 South Wabash Avenue  
 Chicago, IL 60604

FAX (A/C, No.) 515-457-8964 EMAIL ADDRESS  
 CODE  
 AGENCY CUSTOMER ID # SUB CODE

INSURED  
 Musco Sports Lighting, LLC  
 100 1st Ave W  
 Okaloosa IA 52577

LOAN NUMBER POLICY NUMBER  
 CGD14214903

EFFECTIVE DATE 07/01/2023 EXPIRATION DATE 07/01/2024  
 CONTINUED (UNTIL TERMINATED IF CHECKED)

THIS REPLACES PRIOR EVIDENCE DATED: 5/21/2024

### PROPERTY INFORMATION

LOCATION DESCRIPTION

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS EVIDENCE OF PROPERTY INSURANCE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

### COVERAGE INFORMATION

COVERAGE / PERILS / FORMS	PERILS INSURED					AMOUNT OF INSURANCE	DEDUCTIBLE
	BASIC	BROAD	X	SPECIAL			
Contractors Equipment						\$14,967,025	\$10,000
Installation Floater						\$2,500,000	\$10,000
Leased/Rented to Others						\$500,000	\$10,000

### REMARKS (Including Special Conditions)

RE: Musco Project 205796 - El Paso ISD Austin High School Football Rebuild | Project No. 245358 - Austin HS Stadium Lighting Improvements

### CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

### ADDITIONAL INTEREST

NAME AND ADDRESS

El Paso ISD  
 1100 North Stanton  
 El Paso, TX 79925

ADDITIONAL INSURED \_\_\_\_\_ LENDER'S LOSS PAYABLE \_\_\_\_\_ LOSS PAYEE \_\_\_\_\_  
 MORTGAGEE \_\_\_\_\_  
 DATE \_\_\_\_\_

AUTHORIZED REPRESENTATIVE

ACORD 27 (2018/03)

© 1993-2015 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

**STANDARD TERMS AND CONDITIONS  
FOR JOB ORDER CONTRACTS**

The Contractor agrees that the Job Order Contract (the "Contract") shall be governed by the following terms and conditions.

**1. COMMENCEMENT OF WORK.**

1.1 No work shall be performed under the Contract unless has been executed by the Superintendent of Schools and insurance certificates and payment bond documents (if applicable) have been provided to the Owner.

1.2 The Contractor shall deliver to Owner a revised certified payroll listing the Contractor's employees and their respective job classifications. To the extent that the services of any employee require a license, Contractor shall deliver to Owner current licenses.

**2. THE WORK.** The Contractor shall:

2.1 be expected to provide all labor, equipment, supplies, materials, superintendence and testing necessary for completion of the Work. The Contractor shall complete such details of work for the successful operation of systems.

2.2 perform Work to be done in a neat and orderly manner, in accordance with industry standards, required code and adhere to the Owner's construction specifications.

2.3 pay all applicable costs, fees and permits.

2.4 upon completion of work, clear the job site of any and all debris. All work shall be scheduled as to be safe and shall not interfere with classes or meetings in any way unless approved by the Owner Maintenance, Buildings and Grounds Director due to special need or an emergency situation.

2.5 be on call 24 hours a day in case of an emergency. Upon award, the Contractor shall provide the Director for Facilities and Construction with the telephone number(s) of the person or persons to be called in case of an emergency. All calls shall only notice, with written authorization to follow.

2.6 provide only new equipment and materials, unless otherwise indicated in the Contract.

2.7 ensure that the manufacturer's name, address, model number and serial number are permanently attached in a conspicuous location, on all major equipment components.

2.8 ensure that all materials furnished under these specifications are the standard product of manufacturers regularly engaged in the production of such equipment and are the manufacturers' latest approved standard design.

2.9 comply fully and shall cause its Subcontractors and their respective employees to fully comply with all applicable federal, state, and local safety and health laws, ordinances, rules and regulations in the performance of the services, including but not limited to.

2.9.1 Executive Order 11246, Equal Opportunity Employment, as amended.

2.9.2 "Anti-Kickback" Acts.

2.9.3 Davis-Bacon Act, if applicable.

2.9.4 Sections 103 and 107 of the Contract Work Hours and Safety Standards Act.

2.9.5 Section 306 of the Clean Air Act, Section 508 of the Clean Water Act, Executive Order 11738, and the Environmental Protection Agency regulations 40 C.F.R., Part 51.

2.9.6 Energy Policy and Conservation Act (P.L. 94-163).

2.9.7 Latest update to Department of Labor Occupational Safety and Health Administration Regulation published in 29 C.F.R. Parts 1910 and 1926, dated Tuesday, August 9, 1994.

2.10 visit the premises where work is to be performed prior to start of work, as it is the Contractor's responsibility to identify all costs associated with a particular Contract.

2.11 carefully lay out all work in advance so as to minimize cutting, channeling, chasing or drilling of floor, walls, partitions, ceilings, etc.

2.12 perform all cutting, drilling, anchoring or welding of structural members in a manner having the Owner's prior approval.

- 2.13 fire seal any penetrations of firewalls per specific U.L. System Number.
- 2.14 perform any work details and materials not otherwise mentioned shall be included in the scope of work for this Contract.
- 2.15 with respect to electrical:
  - 2.15.1 shall perform all cutting, channeling, drilling, etc. as required for the proper support, concealment, installation or anchorage of raceways, outlets, or electrical equipment in a careful manner. Any damage to the building, structure, equipment, or defaced finish or metal work shall be repaired by skilled workers of the trades involved at the bidder's expense and to the satisfaction of the Owner.
  - 2.15.2 ensure that all electrical personnel working on an Owner site are licensed and working under the supervision of a Master Electrician, as appropriate, at all times.
  - 2.15.3 shall provide a suitable box or crate electrical equipment and cover with waterproof covers to protect against dirt, moisture or other accidental exposure.
  - 2.15.4 where the Underwriters Laboratories (UL) have established standards and issued labels for a particular group, class or type of material, apparatus, type of appliance or device, shall provide the UL label on all such items in that category incorporated into the work.
  - 2.15.5 where such items are not covered by UL standards, meet or exceed the requirements of the current National Electric Code (NEC) or, if not covered there, by the applicable published recognized standard of the American National Standards Institute (ANSI) or the industry, and the related engineering society. Example: National Electrical Manufacturers Association (NEMA) and Institute of Electrical and Electronics Engineers (IEEE).
- 2.16 with respect to carpentry:
  - 2.16.1 adhere at all times to general practices for the carpentry trade within the scope of work. A Carpentry Foreman shall supervise work performed.
  - 2.16.2 where specified, in the Scope of Work, use only the type of materials specified.
- 2.17 with respect to painting:
  - 2.17.1 adhere at all times to general practices for the painting trade within the scope of work. A Supervisor shall supervise work performed.
  - 2.17.2 where specified, use only the type of paint (brand and color) specified for the completion of the work.
- 2.18 mark equipment in detail according to the specifications or in the same manner as existing equipment being replaced, (no dymo (stick-on indented plastic) label will be permitted) and identify equipment as designated by Owner.
- 2.19 retain all portable and detachable parts or portions of installation until final completion of work. These parts shall be delivered to the Owner Maintenance, Buildings and Grounds Director and acknowledged as itemized receipts to obtain request for final payment.
- 2.20 use all means necessary to protect the work and materials before, during and after installation and to protect the work and materials of all other surroundings.
- 2.21 in the event of damage, immediately make all repairs and replacements necessary to the approval of Owner, with no additional cost to the Owner.
- 2.22 store and protect materials and equipment in accordance with the manufacturer's recommendations.
- 2.23 use only thoroughly trained and experienced workmen completely familiar with the items required or with the manufacturer's recommended methods of installations. In acceptance or rejection of work performed, no allowance will be made for the lack of skill on the part of the worker(s).
- 2.24 where details or specific installation specifications are not included, follow approved manufacturer's recommendations.
- 2.25 install, complete, thoroughly check, correctly adjust, clean and leave ready for operations all equipment and material connected with the project.
- 2.26 cooperate with other parties and Contractors so that the installation of materials and equipment may be properly coordinated and provide minimum disruption.

2.27 furnish three (3) copies of the operating maintenance manuals to the Owner, as well as copies of all approved submittal data as it applies.

2.28 be fully responsible to the Owner for all acts and omissions of the Subcontractors just as the Contractor is responsible for the Contractor's own acts and omissions. Nothing in the Contract shall create for the benefit of any such Subcontractor any contractual relationship between the Owner and any such Subcontractor, nor shall it create any obligation on the part of the Owner to pay or to see to the payment of any monies due any such Subcontractor except as may otherwise be required by law.

2.29 for jobs exceeding thirty (30) days, provide thirty (30) day progress reports indicating current status of the Work to include verification of work schedule and percentage of Work completion.

2.30 maintain and will cause its Subcontractors to maintain a daily log for each worksite in form acceptable to Owner and which, at a minimum, identifies time-in/time-out for each employee and his/her job classification.

### **3. PREVAILING WAGE RATE.**

3.1 The Owner has determined a Prevailing Wage Rate Schedule of Per Diem Wages for most crafts or types of workmen or mechanics, and has specified this rate. These rates, set out elsewhere, form part of the Contract Documents, and are incorporated herein by reference in their entirety. Except as set forth in Section 3.2, the Contractor and any Subcontractor under him shall pay no less than the aforesaid rates. Nothing herein shall prevent the payment of an amount greater than such rates. The provisions of Chapter 2258 of Texas Government Code, as presently in effect or hereafter amended, are incorporated herein by reference in their entirety. If the Contractor or any Subcontractor violates this section, the Contractor or Subcontractor shall pay to Owner Sixty and No/100 Dollars (\$60.00) for each worker employed for each calendar day or part of the date that the worker is paid less than the Prevailing Wage Rate Schedule. Contractor and each Subcontractor shall provide records showing the name and occupation of each worker employed with respect to the Project and the actual per diem wages paid to each worker on a certified payroll. Such records shall be open at all reasonable hours for inspection by the Owner and its agents.

3.2 The Contractor or Subcontractor shall insert in all subcontracts the provisions of this Section 3 and a clause requiring the Subcontractors to include these clauses in any lower tiered subcontracts. The Contractor shall be responsible for compliance by any Subcontractor or lower tier Subcontractor with the requirements of this Section 3.

3.3 To insure compliance with the provisions of this Section 3, the Contractor shall:

- post the Prevailing Wage Rate schedules made part of this Contract at each work site in a prominent location readily accessible to the workers through the duration of the Project.
- shall post a notice to be provided by Owner regarding Prevailing Wage Rates, in English and Spanish, which shall be posted nearby the Prevailing Wage Rate schedules.

No worker shall be discharged by the Contractor or a Subcontractor or in any other manner discriminated against because such worker has filed an inquiry or complaint or instituted or caused to be instituted any legal or equitable proceeding or has testified or is about to testify in any such proceeding under or relating to the Prevailing Wage Rates.

The Contractor and each Subcontractor shall allow expeditious jobsite entry by the Owner's Director of Planning, Engineering & Construction and/or his agents and representatives displaying and presenting proper identification credentials to the jobsite superintendent or his/her representative. The Contractor and each Subcontractor shall allow Project employees to be interviewed at random or specifically ask to speak to workers for a reasonable duration by the Owner's Director of Planning, Engineering & Construction and/or his agents and representatives to facilitate compliance determinations regarding the provisions of this Contract with reference to the Prevailing Wage Rates. The Owner's representative will have the employee sign the interview sheet and compare the sheet to the submitted payroll to determine if there are any discrepancies. Attached, as Schedule 1, is a sample worker interview form.

The Owner reserves the right to terminate this Contract for cause if the Contractor and/or any Subcontractor shall breach any of these provisions regarding the Prevailing Wage Rates.

Contractor and each Subcontractor must indicate on the certified payroll submitted, employees in their employ. The Owner will provide a uniform format to the Contractor and each Subcontractor for certified payroll submissions, which will include the employee's name, social security number, job title, and wage. Attached, as Schedule 2, is a sample format for certified payroll submission and a sample of work classification certification, as Schedule 3.

3.4 Contractor's records will, upon reasonable notice, be open to inspection and subject to audit and/or reproduction during normal business working hours. Such audits may be performed by an Owner's representative or an outside representative engaged by the Owner. The Owner or its designee may conduct such audits or inspections throughout the term of the contract and for a period of five (5) years after final payment or longer if required by law.

Contractor's records as referred to in this Contract will include any and all information, materials and data of every kind and character, including without limitation, records, books, papers, documents, subscriptions, agreements, purchase orders, leases, commitments, arrangements, notes, daily diaries, superintendent reports, drawings, receipts, vouchers and memoranda, and any and all other agreements, sources of information and matters that may in Owner's judgment have any bearing on or pertain to any matters, rights, duties or obligations under or covered by the Contract Document. Such records will include (hard copy, as well as computer readable data if it can be made available), written policies and procedures; time sheets; payroll registers; canceled checks; subcontract files; original estimates; estimating work sheets; correspondence; change order files (including documentation covering negotiated settlements); back charge logs and supporting documentation; general ledger entries detailing cash and trade discounts earned, insurance rebates and dividends; and any other Contractor records which may have a bearing on matters of interest to Owner in connection with the Contractor's dealings with the Owner (all of the foregoing hereinafter referred to as "records") to the extent necessary to adequately permit evaluation and verification of Contractor's compliance with Contract requirements.

3.5 If an audit inspection or examination in accordance with this article discloses overpricing or overcharges (of any nature) by the Contractor to the Owner in excess of one percent (1%) of the total Contract billings, in addition to making adjustments and/or payments, the reasonable actual cost of the Owner's audit will be reimbursed to the Owner by the Contractor. Any adjustments and/or payments which must be made as a result of any such audit or inspection of the Contractor's invoices and/or records will be made within a reasonable amount of time (not to exceed ninety (90) days) from presentation of Owner's finding to Contractor.

3.6 If accounting or audit services are required in order to reconcile the Contractor's account (payments: billings), and it is determined that the reconciliation is required as a result of the action or lack of action on the Contractor's part, then the Contractor will be liable for all reasonable accounting and or audit costs incurred by the Owner to perform the reconciliation.

**4. PERSONNEL STANDARDS.** The Contractor shall employ only orderly and competent workers, skilled in the performance of the services, which they will perform under the Contract. The Contractor, its employees, Subcontractor, and Subcontractor's employees may not use or possess any firearms, alcoholic or other intoxicating beverages, tobacco products, illegal drugs or controlled substances while on the job or on the Owner's property, nor may such workers be intoxicated, or under the influence of alcohol or drugs on the job. The following personnel standards shall apply to all Contractor's personnel assigned to Owner's property. Deviations from these standards require written consent of the Owner before Contractor's personnel are assigned to Owner's property.

4.1 **EMPLOYMENT BACKGROUND.** Provision Deleted.

4.2 **CRIMINAL BACKGROUND.** Contractor's personnel assigned to Owner's property shall have a clean criminal record. The Contractor shall conduct local and statewide criminal record checks. Contractor must give written notice to the Owner if the person or an Owner or operator of the business entity has been convicted of a felony. The notice must be given prior to entering the contract to the Owner, and must include a general description of the conduct resulting in the conviction of a felony. The Owner has the right to terminate a contract with a person or business entity if the Owner determines that the person or business entity failed to give the notice required in this paragraph or misrepresented the conduct resulting in the conviction. This paragraph does not apply to a publicly held corporation. Contractor shall comply at its sole expense with all applicable laws in performance of the contract to be awarded. If the award involves the provision of any services to the Owner, the person or business entity that proposes to enter into a contract with the Owner shall furthermore comply at its sole expense with the requirements of Section 22.0834 of the Texas Education Code, Section 153.1117 of Title 19 of the Texas Administrative Code, and any Owner board policy relating to or arising from such statute or regulation, shall ensure that no covered employee of the person or business entity that proposes to enter into a contract with the Owner or of any subcontractor [if authorized] with a disqualifying criminal history performs services under the award at or for the Owner, and shall timely provide to Owner written certifications thereunder in such form and substance as requested by the Owner. The Contractor shall execute and deliver the Contractor Certification Regarding Criminal History in the form attached hereto as Exhibit "2".

4.3 **DRIVING RECORD.** Contractor's personnel shall possess driving records reflecting reasonable care and judgment. The benchmark for failure to meet this standard shall be:

- 4.3.1 Three moving violations within the past three years;
- 4.3.2 Or any upheld suspension or revocation of license within the past three years;
- 4.3.3 Or any conviction for driving under the influence of intoxicants (DWI), without a time limit.

Vendor shall provide results of motor vehicle record checks.

4.4 **FREEDOM FROM DRUG USE.** Contractor's personnel assigned to Owner's property shall be demonstrably free from addiction to, or use of, illicit drugs, as determined by a ten-panel urinalysis drug screening. Testing shall be accomplished at clinically supervised independent collection sites, certified by the Substance Abuse and Mental Health Services Administration (formerly National Institute of Drug Abuse).

4.5 **APPEARANCE.** Contractor's personnel assigned to Owner's property should present a positive appearance that reflects good personal grooming habits. Appearance standards are:

- 4.5.1 Only prescription eye-glasses may be worn. Sunglasses shall not be worn inside the building except on written recommendation of a physician.
- 4.5.2 No jewelry in their noses or ears, except for women with pierced ears who may wear earring studs. No excessive or "dangling" jewelry may be worn on the neck, wrist or waist. Two rings and a wristwatch only, may be worn on finger and wrist.

4.6 **PUBLIC RELATIONS SKILLS.** Personnel assigned to Owner's property shall possess satisfactory public relations skills, sufficient to permit them to interact positively with Owner's employees, visitors, and the general public.

4.7 **IDENTIFICATION BADGES.** All persons present on the Project site are required to possess and display on their person a form of identification. The Contractor is required to provide, at its own expense, an identification badge for all employees working on the project, i.e. Contractor's and Subcontractor's personnel, and ensure they are prominently displayed at all times while on the Project site. A color photo identification badge, furnished by the Contractor, must include a recent facial color photograph, the individual's full name and the name of the company employing them on the project premises. The photo identification badge must not be smaller than a Texas issued drivers' license. A duplicate copy of each color photo ID shall be submitted to the Owner for its records.

## 5. **PRICING.**

5.1 The Contractor shall furnish a price breakdown, itemized as required by Owner, for the Work.

5.2 Pricing requested on the Proposal Form, for miscellaneous trades shall be a cost differential from a standard trade price book such as R.S. Means. This pricing method may be used for general trades other than those specified and the rates for these minor construction trades shall be established under this price structure. If using other than R.S. Means, the Contractor must provide two copies of the price book rates from which the rates will be calculated.

5.3 Hourly rates contained in the Proposal shall be firm for the duration of the Contract term including extensions.

5.4 Where a specific item or type of work is not covered by specified rates or in the price book, the price book may be used to determine prices for the item or type of work based on a comparison of form, fit, and function to those specified in the price book.

5.5 Where pricing cannot be determined by the price book or comparison, the Contractor shall furnish a price breakdown sufficient in detail to permit analysis of material, labor, equipment, sub-contract, and overhead costs, as well as profit, and shall cover all work involved, whether such work was deleted, added or changed. Any amount claimed for subcontracts shall be supported by a similar price breakdown. All costs claimed are subject to negotiation.

5.6 Owner and Contractor acknowledge and agree that any percentage mark-up contained in the Proposal Form is intended to, and shall cover the Contractor's profit and all indirect cost including but not limited to, home office expenses, branch office and field office overhead expenses of any kind; project management, superintendents, detailing; legal, accounting, data process or other administrative expenses; shop drawings, permits; comprehensive general liability insurance; auto insurance; vehicle cost; and all tools and equipment. Project Managers shall be considered part of field supervision and are included as part of overhead, unless they are working foremen. As used herein, "working foreman" is a person who works (production work) with his subordinates one hundred (100%) of his time each day at each work site.

5.7 When specified, Owner will allow a mark-up on equipment that is purchased by other means to achieve completion in a timely manner. To prevent discrepancies that would otherwise keep the Work from progressing, this amount will be paid as part of the retention and paid in full on project completion at the end of warranty period.

5.8 Contractor shall not mark-up freight charges associated with the delivery of repair/replacement parts. All freight charges shall be billed at Contractor's direct cost.

## 6. **INVOICING REQUIREMENTS.**

6.1 Contractor shall bill not more than one (1) time every thirty (30) days. All invoices must be original, facsimile (FAX) or photostatic copies of invoices will not be acceptable.

6.2 Each invoice must:

- 6.2.1 contain the Contractor's name, remittance address, vendor number, unique invoice number, the Owner's project number, the Owner's purchase order number, Owner's unique account string, payment terms and invoice total.
- 6.2.2 contain the applicable hourly rates, parts cost and other pertinent information, on the service report/invoice for tracking purposes.

6.2.3 be legible. Invoices, which are illegible, will not be processed but will be returned to the Contractor's for correction and re-submittal.

6.2.4 accurately reflect the invoice total. Incorrect invoices (unit price or arithmetic errors) will not be processed but will be returned to the Contractor for correction and re-submittal.

6.3 Not Applicable.

6.4 Payment will not be made by the Owner to Contractor for any employee not listed on the certified payroll and on the Contractor's manpower reports.

6.5 Employees of Contractor performing two (2) or more jobs for a substantial period of time during the course of the day should be properly classified and shown on the payroll and all of the different jobs performed at each worksite. The corresponding wage rates for the different classifications, as well as the time worked (time-in/time-out) on each project should be shown on the payroll records.

6.6 No time charges for overtime hours worked on the Project will be allowed if the employee is not actually paid for the overtime.

7. **REPRESENTATIONS AND WARRANTIES.** The Contactor represents and warrants to Owner that:

7.1 the prices quoted in the Scope of Work are in compliance with the Sourcewell Contract.

7.2 it has good and indefeasible title to all services and materials furnished under the Contract, and that the services and materials are free and clear of all liens, claims, security interests and encumbrances. The Contactor shall indemnify and hold the Owner harmless from and against all adverse title claims to the services and materials.

7.3 all services and materials sold the Owner under the Contract shall be free from defects in design, workmanship or manufacture, and conform in all material respects to all applicable State, Federal or local laws, rules, and regulations, and industry codes and standards.

7.4 all services to be provided the Owner under the Contract will be fully and timely performed in a good and workmanlike manner in accordance with generally accepted industry standards and practices, the terms, conditions, and covenants of the Contract, and all applicable Federal, State and local laws, rules or regulations.

7.5 the services and materials supplied by the Contactor in accordance with the specifications in the Contract will not infringe, directly or indirectly, any patent, trademark, copyright, trade secret, or any other intellectual property right of any kind of any third party; that no claims have been made by any person or entity with respect to the ownership or operation of the services and materials and the Contactor does not know of any valid basis for any such claims.

7.6 that no person or selling agency has been employed or retained to solicit or secure the Contract upon any agreement or understanding for commission, percentage, brokerage, or contingent fee, excepting bona fide employees of bona fide established commercial or selling agencies maintained by the Contactor for the purpose of securing business. For breach or violation of this warranty, the Owner shall have the right, in addition to any other remedy available, to cancel the Contract without liability and to deduct from any amounts owed to the Contactor, or otherwise recover, the full amount of such commission, percentage, brokerage or contingent fee.

7.7 if this contract is valued at \$100,000 or more and if Contractor has at least ten (10) full time employees, then Contractor represents and warrants to the Owner that the Contractor: (1) does not boycott Israel and will not boycott Israel during the term of this Contract; and (2) does not boycott energy companies and will not boycott energy companies during the term of the contract. This section does not apply to a sole proprietorship.

7.8 Contactor represents and warrants that: (1) it is not engaged in business with Iran, Sudan, or a foreign terrorist organization, as prohibited by Section 2252.152 of the Texas Government Code; and (2) it is not listed in the prohibited vendors list authorized by Executive Order No. 13224, "Blocking Property and Prohibiting Transactions with Persons Who Commit, Threaten to Commit, or Support Terrorism," published by the United States Department of the Treasury, Office of Foreign Assets Control.

7.9 under Section 231.006 of the Texas Family Code, to the extent applicable to the Contract, the Contactor certifies that the individual or business entity named in this Contract is not ineligible to receive the specified payments and acknowledges that this Contract may be terminated and payment withheld if this certification/representation and warranty is inaccurate.

7.10 Contractor certifies that it does not require its customers to provide any documentation certifying the customer's COVID-19 vaccination or post-transmission recovery on entry to, to gain access to, or to receive service from the Contractor's business. Contractor acknowledges that such a vaccine or recovery requirement would make Contractor ineligible for a state-funded contract.

7.11 if Contractor is required to make a verification pursuant to Section 2274.002 of the Texas Government Code, Contractor verifies that it (1) does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association and (2) will not discriminate during the term of the contract against a firearm entity or firearm trade association.

7.12 Contractor is not a provider or affiliate as defined in Texas Government Code §2273.003(a).

## 8. INDEMNIFICATION.

8.1 TO THE FULLEST EXTENT PERMITTED BY LAW, THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND ITS AGENTS AND EMPLOYEES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, DAMAGE, LOSS OR EXPENSE (1) IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE OR DEATH, OR TO INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY INCLUDING THE LOSS OF USE RESULTING THEREFROM, AND (2) IS CAUSED IN WHOLE OR IN PART BY ANY NEGLIGENT ACT OR OMISSION OF THE CONTRACTOR, ITS AGENTS, EMPLOYEES AND SUBCONTRACTOR OF ANY TIER. SUCH OBLIGATION SHALL NOT BE CONSTRUED TO NEGATE, ABRIDGE, OR OTHERWISE REDUCE ANY OTHER RIGHT OR OBLIGATION OF INDEMNITY, WHICH WOULD OTHERWISE EXIST AS TO ANY PARTY OR PERSON, DESCRIBED IN THIS PARAGRAPH.

8.2 IN ANY AND ALL CLAIMS AGAINST THE OWNER OR ANY OF ITS AGENTS OR EMPLOYEES BY THE CONTRACTOR, ITS AGENTS, EMPLOYEES AND SUBCONTRACTOR OF ANY TIER, THE INDEMNIFICATION OBLIGATION UNDER THIS PARAGRAPH SHALL NOT BE LIMITED IN ANY WAY BY ANY LIMITATION ON THE AMOUNT OR TYPE OF DAMAGES, COMPENSATION OR BENEFITS PAYABLE BY OR FOR THE CONTRACTOR UNDER WORKERS' COMPENSATION ACTS, DISABILITY BENEFITS ACTS OR OTHER EMPLOYEE BENEFIT'S ACTS.

9. TERMINATION FOR CAUSE. In the event of a default by the Contractor, the Owner shall have the right to terminate the Contract for cause, by written notice effective ten (10) days, unless otherwise specified, after the date of such notice, unless the Contractor, within such ten (10) day period, cures such default, or provides evidence sufficient to prove to the Owner's reasonable satisfaction that such default does not, in fact, exist. In addition to any other remedy available under law or in equity, the Owner shall be entitled to recover all actual damages, costs, losses and expenses, incurred by the Owner as a result of the Contractor's default, including, without limitation, reasonable attorneys' fees, court costs, and prejudgment and post-judgment interest at the maximum lawful rate.

10. TERMINATION WITHOUT CAUSE. The Owner shall have the right to terminate the Contract, in whole or in part, without cause any time upon seven (7) days' prior written notice. Upon receipt of a notice of termination, the Contractor shall promptly cease all further work pursuant to the Contract, with such exceptions, if any, specified in the notice of termination. The Owner shall pay the Contractor, to the extent of funds appropriated or otherwise legally available for such purposes, for all goods delivered and services performed and obligations incurred prior to the date of termination in accordance with the terms hereof.

11. DELAYS. The Owner may delay scheduled delivery or other due dates by written notice to the Contractor if the Owner deems it is in its best interest without additional cost.

12. GRATUITIES. The Owner may, by written notice to the Contractor, cancel the Contract without liability if it is determined by the Owner that gratuities were offered or given by the Contractor or any agent or representative of the Contractor to any officer or employee of the Owner with a view toward securing the Contract or securing favorable treatment with respect to the awarding or amending or the making of any determinations with respect to the performing of such contract. In the event the Contract is canceled by the Owner pursuant to this provision, the Owner shall be entitled, in addition to any other rights and remedies, to recover or withhold the amount of the cost incurred by the Contractor in providing such gratuities.

13. ASSIGNMENT. The Contract shall be binding upon and inure to the benefit of the Owner and the Contractor and their respective successors and assigns, provided however, that no right or interest in the Contract shall be assigned by the Contractor without the prior written consent of the Owner. Any attempted assignment by the Contractor shall be void unless made in conformity with this paragraph. The Contract is not intended to confer rights or benefits on any person, firm or entity not a party hereto; it being the intention of the parties that there be no third party beneficiaries to the Contract.

14. WAIVER. No claim or right arising out of a breach of the Contract can be discharged in whole or in part by a waiver or renunciation of the claim or right unless the waiver or renunciation is supported by consideration and is in writing signed by the aggrieved party. No waiver by either the Contractor or the Owner of any one or more events of default by the other party shall operate as, or be construed to be, a permanent waiver of any rights or obligations under the Contract, or an express or implied acceptance of any other existing or future default or defaults, whether of a similar or different character.

15. MODIFICATIONS. The Contract can be modified or amended only by a writing signed by both parties. No pre-printed or similar terms on any of the Contractor's invoices, orders or other documents shall have any force or effect to change the terms, covenants, and conditions of the Contract.

16. **INTERPRETATION.** The Contract is intended by the parties as a final, complete and exclusive statement of the terms of their agreement. No course of prior dealing between the parties or course of performance or usage of the trade shall be relevant to supplement or explain any term used in the Contract. Although the Contract may have been substantially drafted by one party, it is the intent of the parties that all provisions be construed in a manner to be fair to both parties, reading no provisions more strictly against one party or the other. Whenever a term defined by the Uniform Commercial Code, as enacted by the State of Texas, is used in the Contract, the UCC definition shall control, unless otherwise defined in the Contract.

17. **JURISDICTION AND VENUE.** The Contract is made under and shall be governed by the laws of the State of Texas. All issues arising from this Contract shall be resolved in the courts of El Paso County, Texas and the parties agree to submit to the exclusive personal jurisdiction of such courts. The foregoing, however, shall not be construed or interpreted to limit or restrict the right or ability of the Owner to seek and secure injunctive relief from any competent authority as contemplated herein.

18. **FINAL INSPECTION**

18.1 The Contractor shall demonstrate that the work completed meets the requirements of Owner. The Owner shall give final approval to all work performed.

18.2 Should any portion of the work fail to meet the requirements of the Owner, the Contractor shall repair or replace items failing to meet requirements until items can be demonstrated to comply.

18.3 Upon completion of jobs where materials are used, the Contractor shall submit proof of purchase (invoice) to Owner, or designated Project Manager, with each payment request.

19. **PLACE AND CONDITION OF WORK.** The Owner shall provide the Contractor access to the sites where the Contractor is to perform the services as required in order for the Contractor to perform the Work in a timely and efficient manner. The Contractor acknowledges that it has satisfied itself as to the nature of the Work requirements and specifications, the location and essential characteristics of the work site(s), the quality and quantity of materials, equipment, labor and facilities necessary to perform the services, and any other condition or state of fact which could in any way affect performance of the Proposer's obligations under the Contract. **THE CONTRACTOR HEREBY RELEASES AND HOLDS THE OWNER HARMLESS FROM AND AGAINST ANY LIABILITY OR CLAIM FOR DAMAGES OF ANY KIND OR NATURE IF THE ACTUAL SITE OR SERVICE CONDITIONS DIFFER FROM EXPECTED CONDITIONS.**

**SECTION 01010: COVERED SITES AND CONTACTS**

Austin High School  
3500 Memphis Ave.  
El Paso, TX 79930

Manny Rivera  
jmriver2@episd.org  
(915)230-2311

Ernesto Ortiz  
elortiz@episd.org  
(915)230-2432

Chief Operations Officer  
S. B. Pierson  
sbpierso@episd.org



**FACILITIES & CONSTRUCTION**

EL PASO ISD  
it starts with us

Finance and Operations  
Facilities & Construction

**RECORD OF WORKER/TRADESMAN INTERVIEW**

Sensitive information. The information collected on this form is considered sensitive and is protected by the Privacy Act. The Privacy Act requires that these records be maintained with appropriate administrative, technical, and physical safeguards to ensure their security and confidentiality. In addition, these records should be protected against any anticipated threats or hazards to their security or integrity which could result in substantial harm, embarrassment, inconvenience, or unfairness to any individual on whom the information is maintained.

Project Number:	Prime Contractor:
Project Name	Employer (Contractor or Subcontractor)
Name of Worker	Home Address and Zip Code
Date first worked on project;	Average no. of hours worked on project daily:
Your hourly pay rate \$	Your Job Classification
Your Duties:	
Tools or equipment used:	
Do duties observed by interviewer conform to Job Classification trade? Circle One:      Yes                      No (If no, please explain)	
Remarks (Continue on back if necessary):	
Name of Foreman on project site:	
Signature of Worker:	Date of Interview:
<b>Payroll Examination:</b> Remarks (Continue on back if necessary):	
Date:	PM Initials:

Worker Interview form

**SCHEDULE 1**

**Certified Payroll**

Company: \_\_\_\_\_

Pay Period: \_\_\_\_\_ to \_\_\_\_\_

	Employee	SSN	Job Title	Wage
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

**SCHEDULE 2**

**EMPLOYEE'S STATEMENT OF WORK**

**CLASSIFICATION**

I, \_\_\_\_\_, DO HEREBY CERTIFY THAT I AM ENGAGED IN  
THE FOLLOWING WORK CLASSIFICATION(S):

\_\_\_\_\_  
(NAME AND/OR TITLE OF WORK CLASSIFICATION)

FURTHERMORE, I DO AGREE TO THE WAGE RATE OF \$ \_\_\_\_\_ PER HOUR.

\_\_\_\_\_  
(SIGNATURE OF EMPLOYEE)

\_\_\_\_\_  
(DATE SIGNED)

\_\_\_\_\_  
(PRINT OR TYPE THE NAME OF THE ABOVE EMPLOYEE)

EMPLOYER'S NAME, ADDRESS & PHONE NO.:  
(CONTRACTOR/SUBCONTRACTOR COMPANY)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
( )  
\_\_\_\_\_

EMPLOYER/COMPANY REPRESENTATIVE  
SIGNATURE:

\_\_\_\_\_  
(OWNER, PARTNER, OR OFFICER OF COMPANY)

\_\_\_\_\_  
DATE

**SCHEDULE 3**

**SCOPE OF WORK AND SCHEDULE**

Austin High School  
3500 Memphis Ave.  
El Paso, TX 79930

Owner: El Paso Independent School District  
Project: Austin HS Stadium Lighting Improvements  
Date of Proposal May 20, 2024

**Scope of Work:**

**Sub Total**

1. Contractor's direct cost total \$396,250
2. Payment and Performance bond \$2,180.00
3. **Proposed Price \$398,430.00**

The dollar amount will not be exceeded unless a CO is requested.

**Preliminary Schedule**

One Hundred Twenty (120) calendar days total anticipated duration from Notice to Proceed to Substantial Completion.

Final Completion shall be reached within 30 calendar days of Substantial Completion

**Sourcewell Cooperative Requirements**

Contractor represents and warrants that the Scope of Work and Contract is in and will remain in compliance with Sourcewell Cooperative RFP #041123-MSL ("Sourcewell Contract").

The Contractor further represents, covenants, and warrants to the Owner that this Contract meets all requirements of and Contractor will submit all required documents pursuant to the Sourcewell Contract in the performance of this contract.

**Quote**

Date: 5/20/2024  
 Expiration date: 6/20/2024

Project: EL Paso ISD Austin High School Stadium Lighting Improvements  
 El Paso, TX  
 Musco Project Number: 205796

Sourcwell  
 Master Project: 199030, Contract Number: 041123-MSL, Expiration: 06/16/2027  
 Category: Sports lighting with related supplies and services  
 All purchase orders should note the following:  
 Sourcwell Purchase – Contract Number: 041123-MSL

**Quotation Price – Materials Delivered to Job Site and Installation**

<b>Football – 360' x 160'</b>	
➤ Materials with discount .....	\$ 206,036.00
▪ MSRP .....	\$ 228,930.00
➤ Install.....	\$ 181,683.00
<b>Show-Light (No Colored Lights Included)</b>	
➤ Materials with discount .....	\$ 8,531.00
▪ MSRP .....	\$ 9,480.00
<b>Payment and Performance Bond.....</b>	<b>\$ 2,180.00</b>
<b>Total.....</b>	<b>\$ 398,430.00</b>

*Sales tax, if applicable, is not included.  
 Quote is confidential. Pricing and lead times are effective for 30 days only. Prices are subject to change if the order is not released within 60 days from the date of the purchase.*

**SportsCluster® system with Total Light Control – TLC for LED™ technology**

**Guaranteed Lighting Performance**

- Guaranteed light levels of 50 footcandles and uniformity of 2:1
- BallTracker® technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight

**System Description**

- Factory aimed and assembled luminaires, including BallTracker® luminaires
- Pole length factory assembled wire harnesses
- Factory wired and tested remote electrical component enclosures
- Auxiliary mounting brackets with crossarm with BallTracker® attachment
- Mounting hardware for poletop luminaire assemblies and electrical components enclosures
- Disconnects
- UL listed assemblies
- Corrosion protection

**Environmental Light Control**

- Spill light minimized
- Off-site glare light minimized

**Show-Light- Entertainment System with Control-Link: Control and Monitoring**

- Control and monitoring cabinet
- 1 communication cabinet
- 1 touchscreen for onsite control of theatrical effects
- 4 standard pre-programmed theatrical lighting effects applied to facility lighting design
- 2 custom pre-programmed theatrical effects or scenes applied to facility lighting design
- 4 minutes of light show programming set to customer supplied and licensed music



© 2019, 2023 Musco Sports Lighting, LLC • 66-7809-4625-01

## Quote

- Remote on/off control
- Onsite dimming (high/med/low/blackout)
- Monitoring with 24/7 customer support

### Operation and Warranty Services

- Product assurance and warranty program that covers materials and onsite labor, eliminating 100% of your maintenance costs for 10 years
- Support from Musco's Lighting Services Team – over 170 Team members dedicated to operating and maintaining your lighting system – plus a network of 1800+ contractors

### Musco Scope

- Provide design and layout for lighting system
- Test and final aim equipment

### Responsibilities of Buyer

- Confirm pole or luminaire locations, supply voltage and phase required for lighting system prior to production
- Provide electrical design and materials for electrical distribution system
- Buyer is responsible for getting electrical power to the site, coordination with the utility, and any power company fees
- The owner of the field is responsible for the structural integrity of the existing poles and/or structures

### Payment Terms

Final payment terms are subject to approval by Musco credit department. Final payment shall not be withheld by Buyer on account of delays beyond the control of Musco.

Email or fax a copy of the Purchase Order to Musco Sports Lighting, LLC:

Musco Sports Lighting, LLC  
Attn: Musco Contracts  
Fax: 800-734-6402  
Email: musco.contracts@musco.com

### All Purchase orders should note the following:

Sourcewell Purchase – Contract Number: 041123-MSL

### Delivery Timing

10 - 12 weeks for delivery of materials to the job site from the time of order, submittal approval, and confirmation of order details including voltage, phase, and pole/luminaire locations.

### Notes

Quote is based on following conditions:

- Shipment of entire project together to one location.
- 480 Volt, 3 phase electrical system requirement
- Structural code and wind speed = 2021 IBC, 115 mph, Exposure C, Importance Factor 1.
- Due to the built-in custom light control per luminaire, pole or luminaire locations need to be confirmed prior to production. Changes to pole or luminaire locations after the product is sent to production could result in additional charges.
- Product assurance and warranty program is contingent upon site review and compatibility with Musco's lighting system.

Thank you for considering Musco for your lighting needs. Please contact me with any questions or if you need additional details.

Mitchell Stockton  
Senior Sales Representative



©2016, 2015 Musco Sports Lighting, LLC • 10-2301-0105-11

2 of 5

**Quote**

Musco Sports Lighting, LLC  
Phone: 806.474.4743  
Email: mitchell.stockton@musco.com



©2016, 2013 Musco Sports Lighting, LLC • HA-2016-4650-14

3 of 5

## Quote

### El Paso ISD Austin High School Football Retrofit El Paso, TX Retrofit Scope of Work

#### Customer Responsibilities:

1. Complete access to the site for construction using standard 2-wheel drive rubber tire equipment.
2. Locate existing underground utilities not covered by your local utilities. (i.e. water lines, electrical lines, irrigation systems, and sprinkler heads). Musco or Subcontractor will not be responsible for repairs to unmarked utilities.
3. Locate and mark field reference points per Musco supplied layout. (i.e. home plate, center of FB field)
4. Ensure existing poles are structurally adequate to handle new fixture loading
5. Ensure usability of existing underground wiring.
6. Pay any necessary power company fees and requirements.
7. Pay all permitting fees.
8. Provide any existing as-built documents or drawings
9. Provide sealed Electrical Plans. (If required)

#### Musco Responsibilities:

1. Provide required fixtures, electrical enclosures, mounts, hardware, wire harnesses, and control cabinets.
2. Provide SportsCluster® poletop luminaire assembly on 6 poles
3. Provide fixture layout and aiming diagram.
4. Provide Contract Management as required.
5. Assist our installing subcontractor and ensure our responsibilities are satisfied.

#### Subcontractor Responsibilities

##### General:

1. Obtain any required permitting
2. Contact 811 for locating underground public utilities and confirm they have been clearly marked.
3. Contact the facility owner/manager to confirm the existing private underground utilities and irrigation systems have been located and are clearly marked to avoid damage from construction equipment. Notify owner and repair damage to marked utilities. Notify owner and Musco regarding damage which occurred to unmarked utilities
4. Provide labor, equipment, and materials to off load equipment at jobsite per scheduled delivery.
5. Provide storage containers for material, (including electrical components enclosures), as needed.
6. Provide necessary waste disposal and daily cleanup
7. Provide adequate security to protect Musco delivered products from theft, vandalism, or damage during the installation.
8. Keep all heavy equipment off playing fields when possible. Repair damage to grounds which exceeds that which would be expected. indentations caused by heavy equipment traveling over dry ground would be an example of expected damage. Ruts and sod damage caused by equipment traveling over wet grounds would be an example of damage requiring repair.
9. Provide startup and aiming as required to provide complete and operating sports lighting system.
10. Installation to commence upon delivery and proceed without interruption until complete. Musco to be immediately notified of any breaks in schedule or delays.

##### Demolition:

1. Disassemble and leave at owner designated location on site the existing fixtures, and electrical enclosures. This will include the recycling of lamps, aluminum reflectors, ballast, and steel, as necessary.
2. Leave existing ground wires and power feed in place for connection to new lighting equipment.



©2018-2023 Musco Sports Lighting, LLC • M-2103-4875-15

4 of 5

## Quote

### Retrofit Musco Equipment to Existing Poles:

1. Provide labor, materials, and equipment to assemble and install Musco TLC for LED<sup>®</sup> equipment on existing poles and terminate grounding and power feed. Power feed may need to be reworked to adapt to the new Musco equipment.
2. Ensure grounding components meet minimum standards required by NEC and NFPA780.
3. For concrete poles provide new lightning down conductor(aluminum) and 5/8 in copper ground rod. For poles 75 ft (22 m) or less use 1/0 AWG, poles over 75 ft (22 m) use #40 AWG conductor. Bond internal pole ground to new down conductor.
4. For steel poles provide new ground rod and pole bonding conductor per NFPA Annex A.1.6.
5. Down conductor shall be converted to copper wire for any underground runs and bonded to ground rod(s).
6. Ensure all Musco components are bonded to both equipment and lightning grounds. No upward sweeps allowed for lightning down conductor or bonding jumper(s). See installation instructions for further information.
7. Test ground resistance with 3-point megger and confirm 25 ohms or less for each pole. Install additional ground rods or create grounding grid until resistance of 25 ohms or less is achieved.

### Electrical:

1. Provide materials, and equipment to reuse existing electrical service panels as required.
2. Provide materials, and equipment per electrical design.
3. Provide as built drawings on completion of installation, **(if required)**.

### Show-Light<sup>®</sup> Special Effects

1. Provide labor, equipment, and materials to install 1 Musco control and monitoring cabinet, communication cabinet and terminate all necessary wiring.
2. Provide a dedicated 120 V 20 A controls circuit or a step-down transformer for 120 V control circuit if not available.
3. Provide 24 AWG twisted wire pair cable. Recommended Belden 7937A or equal. Cable should be underground rated (working distance 1500 ft (457 m)).
4. Cable is terminated on surge protection device in both communication cabinet and control and monitoring cabinet. Drain wire is landed at surge device on control and monitoring cabinet. Communication cabinet requires earth ground.
5. Plug ethernet cable into port on the side of communication cabinet and bottom of touch screen (working distance 300 ft (91 m)).
6. Connect provided touch screen power supply. Requires 120 V outlet.
7. Provide audio cable 3/4 in (3.5 mm) plug from customer audio system to communication cabinet (land on Cueserver, must be within 50 ft (15 m)).
8. Land customer provided DMX cable in control and monitoring cabinet on DMX512 input terminals.
9. Check all zones to make sure they work in both auto and manual mode.

Commission Control-Link<sup>®</sup> by contacting Control-Link Central<sup>™</sup> at 877-347-3319.



©2018, 2020 Musco Sports Lighting, LLC • 1-800-440-5118

5 of 5



## 2020 PREVAILING WAGE RATES BUILDING

CLASSIFICATION	BASE WAGE	BENEFITS	HOURLY PREVAILING WAGE RATE	(8 HOURS) PER DIEM WAGE RATE
Asbestos/Lead Abatement/Mold Remediation	31.51	12.08	43.57	348.56
Automatic Fire Sprinkler Fitter, Certified	30.64	21.68	52.32	418.56
Block, Brick, and Stone Mason	17.97	0.00	17.97	143.76
Carpenters – Acoustical Ceiling Installation	17.36	0.00	17.36	138.88
Carpenter – Rough	17.64	0.00	17.64	141.12
Carpenter – All Other Work	17.40	0.00	17.40	139.20
Caulker / Sealers	11.29	0.00	11.29	90.32
Cement and Concrete Finishers	16.30	0.00	16.30	130.40
Commercial Truck Driver	14.75	0.00	14.75	118.00
Communication/Security Technician	16.50	2.12	18.62	148.96
Crane and Heavy Equipment Operator	31.05	0.00	31.05	248.40
Door & Hardware Specialist	12.00	1.35	13.35	106.80
Drywall and Ceiling Tile Installers	14.40	0.00	14.40	115.20
Drywall Finishers & Tapers	15.55	0.00	15.55	124.40
Electrician	23.36	3.40	26.76	214.08
Elevator Installers and Repairers	31.35	15.10	46.45	371.60
Fence Erectors – Include with Skilled Labor	10.00	0.00	10.00	80.00
Floor Layers- Carpet and Resilient	12.87	0.00	12.87	102.96
Floor Layers- Specialty	13.00	0.00	13.00	104.00
Floor Layers - Wood	11.50	0.00	11.50	92.00
Glaziers	15.86	1.00	16.86	134.88
Hazardous Materials Removal Workers	10.00	0.00	10.00	80.00
Heating, Air Conditioning and Refrigeration Service Technician	31.14	12.43	43.57	348.56
Insulation Workers – Mechanical	31.26	11.96	43.22	345.76
Irrigator – Landscape, Certified	15.28	0.00	15.28	122.24
Laborer	13.13	0.58	13.71	109.68
Locksmith	12.00	1.35	13.35	106.80
Mechanic	17.00	0.00	17.00	136.00
Painters - Building	13.86	0.00	13.86	110.88
Paper Hanger	14.00	0.00	14.00	112.00
Pipe Layer (Utility)	18.00	0.00	18.00	144.00
Pipe Fitters and Steamfitters	23.53	9.02	32.55	260.40
Plaster, Stucco, Lather and EIFS Applicator	16.82	0.00	16.82	134.56
Plumber/ Medical Gas Installer	31.39	10.77	42.16	337.28
Reinforcing Iron and Rebar Workers	22.69	0.00	22.69	181.52
Roofers	16.00	0.00	16.00	128.00
Scaffolding Erector	13.69	0.00	13.69	109.52
Sheet Metal Workers	27.16	0.00	27.16	217.28
Structural Iron and Steel Workers / Metal Building Erector	25.57	13.24	38.81	310.48
Tile Setters	13.86	0.00	13.86	110.88

APPROVED 12/14/2020

## 2020 BUILDING DEFINITIONS

1	<b>Asbestos/Lead Abatement/Mold Remediation</b>	Assembles work platform and seals off work area, using plastic sheeting and duct tape. Positions mobile decontamination unit or portable showers at entrance of work area. Positions portable air evacuation and filtration system inside work area. Cuts and scrapes asbestos, mold or paint from surfaces, using knife and scraper. Assists in demolition and deconstruction activities of buildings. Shovels asbestos, mold or paint into plastic disposal bags and seals bags, using duct tape. Cleans work area of loose asbestos, mold or paint, using vacuum, broom, and dust pan. Places asbestos, mold or paint in disposal bags and seals bags, using duct tape, loads bags into truck. Cleans and maintains tools, sampling equipment and lab equipment. Responsible for keeping site and grounds clean and neat. Performs daily equipment checks. Picks up necessary supplies and tools from warehouse as directed. Loads and unloads scarp materials into trucks and roll off boxes. Performs work safely in accordance with departmental safety procedures and operates equipment safely. Reports any unsafe work condition or practice to supervisor. Performs other related and non-related duties as assigned.
2	<b>Automatic Fire Sprinkler Fitter, Certified</b>	Sprinkler Fitters specialize in piping associated with fire sprinkler systems. These types of systems are required to be installed and maintained in accordance with strict guidelines, usually National Fire Protection Association (NFPA) standards, in order to maintain compliance with building and fire codes. Sprinkler Fitters work with a variety of pipe and materials including plastic, copper, steel, cast iron, and ductile iron. The fire suppression piping may contain water, air, antifreeze, fire retardant foam, gas, or chemicals for hood systems. Sprinkler systems installed by Sprinkler Fitters can include but not limited to underground supply, standpipes, fire pumps as well as overhead piping systems.
3	<b>Block, Brick, and Stone Mason</b>	Lay and bind building materials, such as brick, structural tile, concrete block, cinder block, glass block, and terra-cotta block, with mortar and other substances to construct, or repair walls, partitions, arches, sewers, and other structures. Classify installers of mortarless segmental concrete masonry wall units. Constructs partitions, fences, walls, fireplaces, chimneys, smokestacks, et cetera using stone, marble, granite, slate. Cutting, grouting, and pointing of materials listed above which is necessary shall be part of this classification.
4	<b>Carpenters - Acoustical Ceiling Installation</b>	Construct, erect, install or repair acoustical ceiling grid, ceiling tile, and other items laid in acoustical grid.
5	<b>Carpenter - Rough</b>	Construct, erect, install, or repair structures and fixtures made of wood, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; wood stairways, window and door frames. May also install cabinets, and siding. Include brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways to control the proper circulation of air through the passageways.

6	<b>Carpenter – All Other Work</b>	Construct, erect, install or repair cabinets and other fixtures or structures requiring a high level of workmanship. Includes Cabinetmakers and Bench Carpenters – cut, shape, and assemble wooden articles or set up and operate a variety of woodworking machines, such as power saws, jointers, and mortisers to surface, cut or shape lumber or to fabricate parts for wood products. Perform related duties such as trim work.
7	<b>Caulker/Sealers</b>	Applies water proofing agents or caulk to a variety of structures and materials.
8	<b>Cement and Concrete Finishers</b>	Smooth and finish surfaces of poured concrete, such as floors, walks, sidewalks, roads, or curbs using a variety of hand and power tools. Align forms for sidewalks, curbs, or gutters; patch voids; use saws to cut expansion joints. Classify installers of mortarless segmental concrete wall units.
9	<b>Commercial Truck Driver</b>	Drive a truck, van or tractor-trailer combination to transport and deliver goods, or materials in liquid, loose, or packaged form. May be required to unload truck.
10	<b>Communication/Security Technician</b>	Set-up, re-arrange, or remove switching and dialing equipment used in central offices. Service or repair telephones and other communication equipment on customers' property. May install equipment in new locations or install wiring and telephone jacks in buildings under construction. Install, program, maintain, and repair security and fire alarm wiring and equipment. Ensure that work is in accordance with relevant codes. Exclude "Electricians" who do a broad range of electrical wiring.
11	<b>Crane and Heavy Equipment Operator</b>	A worker who operates a crane or other types of heavy equipment to hoist and move materials, raise and lower heavy weights and perform other related operations. May be crawler type or rubber-tired. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
12	<b>Door and Hardware Specialist</b>	Installs or repairs doors, hardware and accessories. Are responsible for the installation of contract commercial hardware and custom architectural grade wood doors, steel doors and frames for all Prevailing Wage jobs. Shall be trained by their employer's, employer's apprenticeship, or in factory training classes in the proper methods and techniques and requirements for the installation of Architectural Grade commercial wood and metal doors, frames and hardware in conformance with all local, state, and federal code.
13	<b>Drywall and Ceiling Tile Installers</b>	Apply plasterboard, or other wallboard to ceilings, or interior walls of buildings. Apply or mount acoustical tiles or blocks, strips, or sheets of sound-absorbing materials to ceilings and walls of buildings to reduce or reflect sound. Materials may be of decorative quality. Includes metal stud framing. Exclude "Carpet Installers", "Carpenters – Acoustical Ceiling Installation", and "Tile and Marble Setters".
14	<b>Drywall Finishers and Tapers</b>	Seal joints between plasterboard or other wallboard, including bedding and texturing, to prepare wall surface for painting or papering.

15	<b>Electrician</b>	Plan and execute the layout and installation of electrical conduit, switch panels, buss bars, outlet boxes, electrical wires and cables, lighting standards, lighting fixtures, receptacles, switches, and other electrical devices and apparatus necessary for the complete electrical installation. To include the installation of cabling, wire, conduits and end devices for Temperature Control, Building Automation, and Energy Management Systems, et cetera. Includes installation of photovoltaic solar panels.
16	<b>Elevator Installers and Repairers</b>	Assemble, install, repair, or maintain electric or hydraulic freight or passenger conveyances including but not limited to elevators, escalators, dumbwaiters, moving walks and wheelchair lifts.
17	<b>Fence Erectors - Include with Skilled Labor</b>	Erect and repair metal and wooden fences and fence gates around highways, industrial establishments, residences, or farms, using hand and power tools. Excludes rock and stone fences.
18	<b>Floor Layers - Carpet and Resilient</b>	Apply blocks, strips, or sheets of shock-absorbing, sound-deadening, or decorative coverings to floors. Lay and install carpet from rolls, tiles or blocks on floors. Install padding and trim flooring materials. Installs variety of soft floor materials including vinyl and VCT. Exclude wood floors and specialty floors.
19	<b>Floor Layers - Specialty</b>	Prepares surface, installs and finishes specialty floor material such as manufactured or engineered and laminated wood.
20	<b>Floor Layers - Wood</b>	Install, scrape and sand wooden floors to smooth surfaces using floor scraper and floor sanding machine, and apply coats of finish to include gymnasium and bowling alleys.
21	<b>Glaziers</b>	Installs glass in windows skylights, store fronts and display cases, or on surfaces such as: building fronts, interior walls, ceilings and table tops. The installation, setting, cutting, preparing, fabricating, distributing, handling or removal of the following glass and glass substitutes used in place of glass, pre-glazed windows, retrofit window systems, mirrors, curtain wall systems, window wall systems, cable net systems, canopy systems, structural glazing systems, unitized systems, interior glazing systems, photovoltaic panels and systems, suspended glazing systems, louvers, skylights, entranceway systems including doors and hardware, revolving and automatic door systems, patio doors, store front systems including the installation of all metals, column covers, panels and panel systems, glass hand rail systems, decorative metals as part of the glazing system, and the sealing of all architectural metal and glass systems for weatherproofing and structural reasons, vinyl, mulling, rubber, lead, sealants, silicone and all types of mastics in wood, iron, aluminum, sheet metal or vinyl sash, doors, frames, store wall cases, show cases, book cases, sickboards, partitions and fixtures. Performs other related duties.

22	<b>Hazardous Materials Removal Workers</b>	Identify, remove, pack, transport, or dispose of hazardous materials, including asbestos, lead-based paint, waste oil, fuel, transmission fluid, radioactive materials, contaminated soil, mold, et cetera. Specialized training and certification in hazardous materials handling or a confined entry permit are generally required. May operate earth-moving equipment or trucks.
23	<b>Heating, Air Conditioning and Refrigeration Service Technician</b>	Repair and service heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, heating stoves, and air handlers. (Installation of systems is performed by sheet metal worker). Includes HVAC mechanic.
24	<b>Insulation Workers – Mechanical</b>	This work includes the preparation, attention, application, removal, hauling, erection, assembling, mulling, spraying, pouring, mixing, hanging, adjusting, repairing, dismantling, reconditioning, maintenance, finishing, and/or weatherproofing of cold or hot thermal insulations with such materials as may be specified when those materials are to be installed for thermal purposes in voids, or to create voids, or on either piping, fittings, valves, boilers, ducts, flues, tanks, vats and equipment, or on any hot or cold surfaces for the purpose of thermal control or to be installed for sound control purposes mechanical devices, equipment, piping, surfaces related in an integral way to the insulation of such mechanical devices, equipment and piping. This work also includes all labor connected with insulation for; temperature control, personnel protection, safety and/or prevention of condensation. This work also includes all labor connected with hauling, distribution and cleanup of materials on the job premises. All thermal tape, pads, metered fittings (insulation, metal or plastic), batts and lags.
25	<b>Irrigator- Landscape, Certified</b>	Certified by TCEQ to install watering systems in various sizes and grades of lawn in order to maintain sufficient pressure and to insure even dispersal of water.
26	<b>Laborer</b>	Performs manual duties in all phases of construction. Demolition (interior and exterior), Flagging and Traffic Control, General Clean-Up, Air and Power Tool Operators (including chipping guns, jackhammers and tampers), all material handling and clean-up, except refractory, chute/hose operator, raking, shoveling and vibrating, raking, shoveling, luting, ironing, dumping and spreading, trenching, material handling, back filling (Equipment Operators incidental to Laborers' scope of work). Landscape or maintain grounds of property using equipment as needed. Workers typically perform a variety of tasks, which may include any combination of the following sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler repair, and installation of mortared segmental concrete masonry wall units. Does not ordinarily perform work permitting exercise of independent judgment or without close direction by other workers.
27	<b>Locksmith</b>	Self-explanatory.

28	<b>Mechanic</b>	Maintains and repairs construction tools and equipment.
29	<b>Painters - Building</b>	Paint walls, equipment, buildings, bridges, and other structural surfaces, using brushes, rollers, and spray guns. May remove old paint to prepare surface prior to painting. May mix colors or oils to obtain desired color or consistency. Exclude "Paper hangers."
30	<b>Paper Hanger</b>	Measures, cuts, and hangs wallpaper and Fiber Reinforced Paneling.
31	<b>Pipe Layer (Utility)</b>	Installs concrete, clay, steel, ductile iron, plastic, corrugated pipe and any other type of pipe for storm drainage, water lines, gas lines and sanitary sewer lines. Lays underground communication and electrical ducts. May install and set electrical ground boxes, hand holes, manholes, inlets and other structures. Caulks joints, makes threaded and flanged connections. Installs valves and other accessories. Performs other related duties.
32	<b>Pipe Fitters and Steamfitters</b>	Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems. Includes pressurized lines and flow lines for gas, air, and oil found in industrial settings.
33	<b>Plaster, Stucco, Lather, and EIFS Applicator</b>	Apply interior or exterior plaster, stucco, or similar materials. May also set ornamental plaster. Applies acoustical plaster, interior and exterior plastering of stone imitation or any patented materials when cast. Molds and sets ornamental plaster and trim and runs ornamental plaster cornice and molding.
34	<b>Plumbers/ Medical Gas Installer</b>	Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems. Assemble, install, alter, and repair pipelines or pipe systems that carry medical gases or liquids. Specialized training and certification required.
35	<b>Reinforcing Iron and Rebar Workers</b>	Position and secure steel bars or mesh in concrete forms in order to reinforce concrete. Includes post-tensioning. Use a variety of fasteners, rod-bending machines, blowtorches, and hand tools.
36	<b>Roofers</b>	Cover roofs of structures with shingles, tile, slate, asphalt, aluminum, wood, metal and related materials. May spray roofs, sidings, and walls with material to bind or seal sections of structures. Includes metal and membrane roofs.

37	<b>Sheet Metal Workers</b>	Fabricate, assemble, install, and repair sheet metal products and equipment, such as ducts, seal the system, pressure test and test and balance, control boxes, drainpipes, architectural sheet metal, hangers, brackets, used in the installation of sheet metal, and installs grills, registers, and furnace casings. Work may involve any of the following: setting-up and operating fabricating machines to cut, bend, and straighten sheet metal, operating soldering equipment to join sheet metal parts; inspecting, assembling, and smoothing seams and joints of burned surfaces, including metal flashings, gutters, canopies, soffits, louvers, skylights and custom metal roofs. Installs warm air furnaces except where necessary piping for gas, or oil is performed under the plumbing and pipefitting classification. Include sheet metal duct installers who install prefabricated sheet metal ducts used for heating, air conditioning, or other purposes. Fire life safety, damper inspection, stairwell pressurization. May install other heating and cooling devices which are in connection with duct systems.
38	<b>Structural Iron and Steel Workers/Metal Building Erector</b>	Rigging, raise, place, and unite iron or steel, prefabricated metal buildings precast concrete, precast "tilt-up" panels, concrete and steel bridge members, concrete decking, ornamental iron, hand mills, stairs, curtain wall/glass framework, girders, columns, beams, and other structural members to form completed structures or structural frameworks using hand tools, power tools, and hoisting equipment. Erects frame of building, using hoist. Bolts steel frame members together. Attaches wire and insulating materials to framework. Attaches sheet metal panels to framework including standing seam sheets. Installs and trims sheet metal on prefabricated metal buildings, using cutting torch, power saw, and tin snips. Rigging of heavy equipment, assembly and disassembly of cranes. May erect metal storage tanks. Exclude "Reinforcing Iron and Rebar Workers".
39	<b>Tile Setters</b>	Apply hard tile, terrazzo tile and veneer to walls, floors, and ceilings. Includes surface preparation as necessary.
40	<b>Scaffolding Erector</b>	Erection of a temporary elevated platform (both supported and suspended) and its supporting structure (including points of anchorage) to be used for supporting employees or material or both.

- **Welder** - Receives rate prescribed for craft performing operation to which welding is incidental
- **Fork Lift and Man Lift (boom and scissor)** - Receives rate prescribed for craft performing operation to which operation of this equipment is incidental.



**2020 PREVAILING WAGE RATES  
HEAVY / HIGHWAY**

CLASSIFICATION	BASE WAGE PER HOUR	TOTAL FRINGES PER HOUR	HOURLY PREVAILING WAGE RATE	PER DIEM WAGE RATE
Asphalt Distributor Operator	16.07	2.78	18.85	150.80
Asphalt Paving Machine Operator / Spreader Box Operator	14.62	1.42	16.04	128.32
Asphalt Raker	14.30	1.44	15.74	125.92
Backhoe Operator	16.43	1.25	17.68	141.44
Concrete Finishers (Paving and Structures)	15.58	1.41	16.99	135.92
Crane Operator, Lattice Boom	17.50	0.00	17.50	140.00
Crane Operator, Hydraulic	20.00	0.00	20.00	160.00
Electrician	23.62	1.97	25.59	204.72
Excavator Operator	18.61	1.52	20.13	161.04
Form Builder/Setter	17.84	0.75	18.59	148.72
Form Setter (Paving and Curb)	12.86	0.00	12.86	102.88
Front End Loader	16.28	1.09	17.37	138.96
Laborer	13.53	1.16	14.69	117.52
Laborer (Skilled)(Utility)	15.49	0.73	16.22	129.76
Mechanic	17.50	0.00	17.50	140.00
Milling Machine Operator	24.96	0.00	24.96	199.68
Motor Grader Operator (Fine)	20.76	2.41	23.17	185.36
Pavement Marking Machine Operator	16.28	1.09	17.37	138.96
Pipe Layer (Utility)	15.24	2.69	17.93	143.44
Reinforcing Steel Setter (Structure and Paving)/ Structural Steel Worker	17.00	0.00	17.00	136.00
Rock Mason	14.00	0.00	14.00	112.00
Roller Operator	14.96	2.32	17.28	138.24
Servicer	14.33	0.00	14.33	114.64
Truck Driver, Single Axle	13.56	0.00	13.56	108.48
Truck Driver, Tandem Axle	17.43	0.93	18.36	146.88
Utility Operator Grade 1	14.32	0.76	15.08	120.64
Utility Operator Grade 2	15.31	1.46	16.77	134.16
Welder, Certified/ Structural Steel Welder	20.00	0.00	20.00	160.00

APPROVED 12/14/2020

## 2020 HEAVY / HIGHWAY DEFINITIONS

1	<b>Asphalt Distributor Operator</b>	Drives distributor truck, sets spray bars and operates valves and levers to control distribution of bituminous material for highway surfacing. May oil, grease or otherwise service and make adjustments to equipment as needed. Performs other related duties.
2	<b>Asphalt Paving Machine Operator/Spreader Box Operator</b>	Operates paving machine that spreads and levels asphaltic concrete on highway. Controls movement of machine, raises and lowers screed, regulates width of screed. Operates spreader box by adjusting hopper and strike-off blade so that gravel, stone or other material may be spread to a specific depth on road surface during seal coat and surface treatment operations. May oil, grease, service and make adjustments to equipment as needed. Performs other related duties.
3	<b>Asphalt Raker</b>	Distributes asphaltic materials evenly over road surface by hand-raking and brushing material to correct thickness; may control screed to regulate width and depth of materials, directs Laborers (skilled and unskilled) when to add or take away material to fill low spots or to reduce high spots.
4	<b>Backhoe Operator</b>	Operates a rubber-tired machine mounted with a backhoe bucket on one end and a loader bucket on the other end. Used for excavating ditches and structures, laying pipe and precast concrete structures, carrying material in the loader bucket, and general excavation and backfill. May also be equipped with hydraulic attachments. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
5	<b>Concrete Finisher (Paving and Structures)</b>	Finishes the exposed surfaces of fresh concrete paving, median barrier and every element of concrete structures. Operates bridge deck finishing machine. Forms and finishes edges and joints. Finishes concrete curbs and gutters. Finishes exposed surface of concrete after forms have been removed by patching imperfections with fresh concrete, rubbing surface with abrasive stone, and directing others in removing excess or defective concrete with power tools. Performs other related duties.
6	<b>Crane Operator, Lattice Boom</b>	A worker who operates a lattice boom type crane to hoist and move materials, raise and lower heavy weights and perform other related operations. May be crawler type or rubber-tired. May include placement of rock riprap, clamshell, dragline, pipe and pile driving operations. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
7	<b>Crane Operator, Hydraulic</b>	A worker who operates a hydraulic telescoping boom type crane to hoist and move materials, raise and lower heavy weights and perform other related operations. May be crawler type or rubber-tired. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.

8	<b>Electrician</b>	Plan and execute the layout and installation of electrical conduit, switch panels, buss bars, outlet boxes, electrical wires and cables, lighting standards, lighting fixtures, receptacles, switches, and other electrical devices and apparatus necessary for the complete installation of wiring systems, works on overhead distribution systems and underground distribution systems. Includes installation of photovoltaic solar panels.
9	<b>Excavator Operator</b>	Operates a crawler or rubber-tired machine mounted with an excavator bucket. Used for excavating ditches and structures, laying pipe and precast concrete structures, loading trucks and placing rock riprap. May also be equipped with various hydraulic attachments. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
10	<b>Form Builder/Setter</b>	Works from plans to build, assemble, fit together, align, plumb, and set in place forms for molding concrete structures. Forms may be wood, steel, aluminum, fiberglass or any other type of material. Checks forms while concrete is being placed. May install miscellaneous materials integral to concrete structures. May set precast concrete elements. Prepares for slip forming traffic rail and median barrier. May install permanent metal deck forms. May work with power tools. Performs other related duties. Includes guardrail installation.
11	<b>Form Setter (Paving and Curb)</b>	Fits together, aligns and sets to grade metal and wooden forms for placement for concrete paving and curbs. Works with survey crew to set stringline for paving, curb and gutter and curb. Performs other related duties.
12	<b>Front End Loader</b>	Operates a rubber-tired, skid steer or crawler type tractor with an attached scoop type bucket on front end. Machine is used to load materials from stockpiles, excavation, changing batch plants, loading and unloading trucks. May be used with attachments in lieu of the bucket. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
13	<b>Laborer</b>	A general term used on construction work covering many unskilled classifications requiring work of a physical nature. Performs a variety of work ranging from pick and shovel work to cleaning up lumber with hammer, shoveling and placing concrete, uses air tools, under the supervision of qualified personnel. Cleans concrete joints and fills joints with sealing compound from bucket or with hose and nozzle from a central source, applies coating of oil to inside face of forms and strip forms, unloads and transports reinforcing steel, cures newly poured concrete, assists pipelayers, works with dirt crew keeping construction layout stakes out of the way of dirt-moving equipment. May fine grade excavation and ditches, shovels hot asphalt material. May use power tools and other necessary equipment in demolition work under the supervision of qualified personnel. Does not ordinarily perform work permitting exercise of independent judgment or without close direction by other workers. Installs and maintains erosion control. Performs other related duties.

14	<b>Laborer (Skilled) (Utility)</b>	Performs a variety of manual duties, usually working in a utility capacity by working on multiple projects and tasks where demands require workmen with varied experience and ability to work without close direction. Unloads and transports reinforcing steel. Directs laborers in pouring concrete. Erects trench shoring and bracing. Installs, operates, and maintains de-watering systems. May assist equipment operators in positioning machines, verifying grades and signaling operators to dumping positions to maintain grades as directed. Uses power tools and air tools. May work as lead man in a labor crew. Is more or less a general utility construction worker. May be a second step in learning a skill. Includes Concrete/Gunite Pump Operator, Concrete Saw Operator, Fence Erector, Plagger, and Sign Erector. Performs other related duties.
15	<b>Mechanic</b>	Assembles, assist set up, adjusts and maintains and repairs all types of construction equipment and trucks. May perform the duties of a welder in repair of equipment. Performs other related duties.
16	<b>Milling Machine Operator</b>	Operates power-driven milling machine that planes material off the roadbed and discharges the material into a hauling unit or a window. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
17	<b>Motor Grader Operator (Fine)</b>	Operates motor grader. Performs many of the same duties of Motor Grader, Rough, but in addition performs finish grade work to blue tops or other close specification control. This work is subject to strict inspection and must conform closely to specifications. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
18	<b>Pavement Marking Machine Operator</b>	Operates a machine used in laying paint stripes or markers on all types of paving. Loads of machine with appropriate materials and may walk or ride on machine. May oil, grease or otherwise service and make necessary adjustments to equipment needed. Perform other related duties.
19	<b>Pipelayner (Utility)</b>	Installs concrete, clay, steel, ductile iron, plastic, corrugated pipe and any other type of pipe for storm drainage, water lines, gas lines and sanitary sewer lines. Lays underground communication and electrical ducts. May install and set electrical ground boxes, hand holes, manholes, inlets and other structures. Chalks joints, makes threaded and flanged connections. Installs valves and other accessories. Performs other related duties.
20	<b>Reinforcing Steel Setter (Structure and Paving)/ Structural Steel Worker</b>	Works from plans to lay out and install reinforcing steel within forms or in mats of concrete paving. Erects and places reinforcing steel and fabricated structural steel members, such as girders, plates, diaphragms, lateral bracing, and unites them permanently to form a completed structural steel unit, including reinforcing members. Fastens steel members together by welding or bolting. May include dismantling and erecting large units of equipment. Gives direction to reinforcing steel worker apprentice or utility laborers. Performs other related duties.

21	<b>Rock Mason</b>	Constructs partitions, fences, walls, using rock. Cutting, grouting and pointing of materials listed above which is necessary shall be part of this classification. May also build or repair rock retaining walls, cutting or placing of rock in mortar or other similar material.
22	<b>Roller Operator</b>	Operates a self-propelled machine with either steel wheels or pneumatic tires which is used to compact and smooth bituminous and flexible base materials and compact earth fills, subgrade, and all other types of materials. May oil, grease or otherwise service and make necessary adjustments to equipment as needed. Performs other related duties.
23	<b>Servicer</b>	Drives a truck which carries various fuels, oils, greases and filters. Must have knowledge of and is responsible for the correct oiling and greasing and changing of filters on equipment according to manufacturers' specifications. Uses compressed air grease guns, wrenches and other tools. May make adjustments to clutches, brakes and other mechanical items. Keeps record of service for preventive maintenance records. May require a Commercial Driver's License if driving truck on public highways. Performs other related duties.
24	<b>Truck Driver, Single Axle</b>	Drives a light capacity truck for transporting loads of construction material. The truck is of single rear axle type, may have various kinds of beds attached such as dump, flat bed, tank, etc. May require CDL license for driving on highway. May service and make necessary adjustments for proper operation of equipment. Performs other related duties.
25	<b>Truck Driver, Tandem Axle</b>	Drives a tandem axle powered vehicle. Hauls dirt, rock, aggregates or other material. May require CDL license for driving on highway. May service and make necessary adjustments for proper operation of equipment. Performs other related duties.
26	<b>Utility Operator Grade 1</b>	Clam, ditching machine, side boom (except those in Grade 2), operator on dredges, cleaning machine, coating machine, blending machine, water-kote machine, equipment welder, track tractor, derrick, dragline, shovel, motor grader rough grade, Crawler tractor, foundation drill operator, crawler and truck mounted, and piled river.
27	<b>Utility Operator Grade 2</b>	Hoop, gin truck or winch truck with poles when used for hoisting, side boom (excluding rock drill), tow tractor, form tractor road boring machine, fork lift ( <b>industrial type</b> ), pot fireman (power agitated), straightening machine, boring machine, bombardier (truck or tow rig), hydrostatic testing operator, scraper, staking machine, plant mix pavement roller operator, plant mix pavement, pneumatic motor operator. Concrete paving curing, float, texturing machine, subgrade trimmer, slip-form machine, milling machine, self-propelled sweeping machine, trenching machine, directional drill, trenching, screening plant, and joint sealer. Off Road Hauler, Pavement Marking Machine Operator Reclaimer/Preparer Operator, Slurry Seal or Micro-Surfacing Machine Operator.

28	<b>Welder, Certified/ Structural Steel Welder</b>	Certified by the American Welding Society to perform structural steel welding. Operates welding equipment. Welds structural steel girders and diaphragms. May weld permanent metal deck forms. Cuts, lays-out, fits and welds metals or alloyed metal parts to fabricate or repair equipment. Welds the joints between lengths of pipe for oil, gas or other types of pipelines. May assist in welding of permanent metal deck forms. Performs other related duties.
----	---	--

**Chapter 22 Criminal History Records Contractor Certification:  
Contractor/Subcontractor Employees**

**Introduction:** Section 22.0834 of the Texas Education Code requires entities that contract with school El Paso Independent School Districts to provide services to obtain criminal history records on covered employees. Covered employees with disqualifying criminal histories are prohibited from serving at a school El Paso Independent School District. Service contractors with access to the DPS FACT Clearinghouse under the National Child Protection Act (NCPA) or state criminal history information for employees hired before January 1, 2008, must certify to the El Paso Independent School District that they have complied and must obtain similar certifications from their subcontractors.

The El Paso Independent School District may not obtain criminal histories for contractors. The law requires each contractor to obtain the criminal histories of its covered employees if contractor access is permitted by law. For more information to set up an account for criminal history record information through the DPS FACT Clearinghouse, a contractor should contact the Texas Department of Public Safety's DPS Fingerprint Services Unit by email at [fingerprint.services@dps.texas.gov](mailto:fingerprint.services@dps.texas.gov) or by phone at 512.424.2474 – Option 6.

**Definitions:**

**Covered employees:** Employees of a contractor who have or will have continuing duties related to the service to be performed at the El Paso Independent School District and have or will have direct contact with students. The El Paso Independent School District will be the final arbiter of what constitutes *continuing duties* or *direct contact* with students.

**Disqualifying criminal history:** (1) a conviction or other criminal history information designated by the El Paso Independent School District; or (2) one of the following offenses, if at the time of the offense, the victim was under 18 or enrolled in a public school: (a) a felony offense under Title 5, Texas Penal Code; (b) an offense for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedure; (c) an equivalent offense under federal law or the laws of another state.

---

On behalf of Musco Sports Lighting, LLC, an Iowa corporation, doing business as Musco Sports Lighting, LLC, I, the undersigned authorized signatory for Contractor, certify to the El Paso Independent School District that [check one]:

None of Contractor's employees are covered employees, as defined above. If this box is checked, I further certify that Contractor has taken precautions or imposed conditions to ensure that its employees will not become covered employees. Contractor will maintain these precautions or conditions throughout the time the contracted services are provided.

Or

Some or all of Contractor's employees are covered employees. If this box is checked, I further certify that:

- (1) Contractor has obtained all required criminal history record information regarding its covered employees. None of the covered employees has a disqualifying criminal history.
- (2) If Contractor receives information that a covered employee subsequently has a reported criminal history, Contractor will immediately remove the covered employee from contract duties and notify the District in writing within 3 business days.
- (3) Upon request, Contractor will provide the District with the name and any other requested information of covered employees so that the District may obtain criminal history record information on the covered employees. Contractor is responsible for all District costs and expenses for the District obtaining the information on the covered employees.

If the District objects to the assignment of a covered employee on the basis of the covered employee's criminal history record information, Contractor agrees to discontinue using that covered employee to provide services at the District.

I also certify to the El Paso Independent School District on behalf of Contractor that Contractor has obtained certifications from its subcontractors of compliance with Texas Education Code chapter 22.

Noncompliance or misrepresentation regarding this certification may be grounds for contract termination.

Signature:  Date: 5/20/2024

Title: Secretary

SECTION 00 01 10 - TABLE OF CONTENTS  
EL PASO ISD - AUSTIN HS - SPORTS LIGHTING REPLACEMENT  
244002

DBR ENGINEERING CONSULTANTS INC.  
04-26-2024



**DIVISION 26 - ELECTRICAL**

- Section 26 02 00 - Basic Materials and Methods for Electrical
- Section 26 02 01 - Coordination Drawings
- Section 26 03 13 - Electrical Demolition for Remodeling
- Section 26 05 19 - Wire, Cable and Related Materials
- Section 26 05 26 - Grounding
- Section 26 05 33 - Raceways
- Section 26 05 73 - Short Circuit Coordination Study Arc Flash Hazard Analysis
- Section 26 21 13 - Electrical Service Entrance
- Section 26 24 16 - Panelboards
- Section 26 27 26 - Wiring Devices
- Section 26 28 13 - Fuses
- Section 26 28 16 - Safety and Disconnect Switches
- Section 26 43 13 - Surge Protective Device (SPD) - Service Entrance
- Section 26 56 68 - Exterior Athletic Lighting

**END OF SECTION**

EL Paso ISD - Austin HS - Sports  
Lighting Replacement

00 01 10 - 1

Table of Contents

## SECTION 26 02 00 - BASIC MATERIALS AND METHODS FOR ELECTRICAL

### PART 1 - GENERAL

#### 1.01 GENERAL REQUIREMENTS

- A. The requirements of the General Conditions and Supplementary Conditions apply to all Work herein.
- B. The Contract Drawings indicate the extent and general arrangement of the systems. If any departure from the Contract Drawings are deemed necessary by the Contractor, details of such departures and the reasons therefore, shall be submitted to the Architect for approval as soon as practicable. No such departures shall be made without the prior written approval of the Architect.

#### 1.02 SCOPE OF WORK

- A. The Work included under this Contract consists of the furnishing and installation of all equipment and material necessary and required to form the complete and functioning systems in all of its various phases, all as shown on the accompanying Drawings and/or described in these Specifications. The contractor shall review all pertinent drawings, including those of other contracts prior to commencement of Work.
- B. This Division requires the furnishing and installing of all items Specified herein, indicated on the Drawings or reasonably inferred as necessary for safe and proper operation, including every article, device or accessory (whether or not specifically called for by item) reasonably necessary to facilitate each system's functioning as indicated by the design and the equipment specified. Elements of the work include, but are not limited to, materials, labor, supervision, transportation, storage, equipment, utilities, all required permits, licenses and inspections. All work performed under this Section shall be in accordance with the Project Manual, Drawings and Specifications and is subject to the terms and conditions of the Contract.
- C. The approximate locations of Electrical items are indicated on the Drawings. These Drawings are not intended to give complete and accurate details in regard to location of outlets, apparatus, etc. Exact locations are to be determined by actual measurements at the building, and will in all cases be subject to the Review of the Owner or Engineer, who reserves the right to make any reasonable changes in the locations indicated without additional cost to the Owner.
- D. Items specifically mentioned in the Specifications but not shown on the Drawings and/or items shown on Drawings but not specifically mentioned in the Specifications shall be installed by the Contractor under the appropriate section of work as if they were both specified and shown.
- E. All discrepancies within the Contract Documents discrepancies between the Contract Documents and actual job-site conditions shall be reported to the Owner or Engineer so that they will be resolved prior to the bidding, where this cannot be done at least 7 working days prior to bid, the greater or more costly of the discrepancy shall be bid. All labor and materials required to perform the work described shall be included as part of this Contract.
- F. It is the intention of this Section of the Specifications to outline minimum requirements to furnish the Owner with a turn-key and fully operating system in cooperation with other trades.
- G. It is the intent of the above Scope to give the Contractor a general outline of the extent of the Work involved, however, it is not intended to include each and every item required for the Work. Anything omitted from the Scope but shown on the Drawings, or specified later, or necessary for a complete and functioning electrical system shall be considered a part of the overall Scope.
- H. The Contractor shall rough-in fixtures and equipment furnished by others from rough-in and placement drawings furnished by others. The Contractor shall make final connection to fixtures and equipment furnished by others.
- I. Contractor shall participate in the commissioning process, including but not limited to meeting attendance, completion of checklists and participation in functional testing.

### 1.03 RELATED SECTIONS

- A. General Conditions
- B. Supplementary Conditions
- C. Division One

### 1.04 COOPERATION WITH TRADES

- A. Cooperation with trades of adjacent, related, or affected materials or operations shall be considered a part of this work in order to affect timely and accurate placing of work and bring together in proper and correct sequence, the work of such trades.

### 1.05 REFERENCES

- A. National Electrical Code (NEC)
- B. American Society for Testing and Materials (ASTM)
- C. Underwriter's Laboratories, Inc. (UL)
- D. Insulated Cable Engineer's Association (ICEA)
- E. National Electrical Manufacturer's Association (NEMA)
- F. Institute of Electrical and Electronic's Engineers (IEEE)
- G. American National Standards Institute (ANSI)
- H. National Fire Protection Association (NFPA)
- I. International Energy Conservation Code (IECC)

### 1.06 COMPLETE FUNCTIONING OF WORK

- A. All work fairly implied as essential to the complete functioning of the electrical systems shown on the Drawings and Specifications shall be completed as part of the work of this Division unless specifically stated otherwise. It is the intention of the Drawings and Specifications to establish the types of the systems, but not set forth each item essential to the functioning of the system. In case of doubt as to the work intended, or in the event of amplification or clarification thereof, the Contractor shall call upon the Architect for supplementary instructions, Drawings, etc.
- B. Contractor shall review all pertinent Drawings and adjust his work to all conditions shown there on. Discrepancies between Plans, Specifications, and actual field conditions shall be brought to the prompt attention of the Architect.
  - 1. Approximate location of transformers, feeders, branch circuits, outlets, lighting and power panels, outlets for special systems, etc., are indicated on the Drawings. However, the Drawings, do not give complete and accurate detailed locations of such outlets, conduit runs, etc., and exact locations must be determined by actual field measurement. Such locations will, at all times, be subject to the approval of the Architect.
  - 2. Communicate with the Architect and secure his approval of any outlet (light fixture, receptacle, switch, etc.) location about which there may be the least question. Outlets obviously placed in a location not suitable to the finished room or without specific approval, shall be removed and relocated when so directed by the Architect. Location of light fixtures shall be coordinated with reflected ceiling plans.
- C. Additional coordination with mechanical contractor may be required to allow adequate clearances of mechanical equipment, fixtures and associated appurtenances. Contractor to notify Architect and Engineer of unresolved clearances, conflicts or equipment locations.

### 1.0 SCHEMATIC NATURE OF CONTRACT DOCUMENTS

- A. The contract documents are schematic in nature in that they are only to establish scope and a minimum level of quality. They are not to be used as actual working construction drawings. The actual working construction drawings shall be the approved shop drawings.

### 1.08 CONTRACTOR'S QUALIFICATIONS

- A. An approved contractor for the work under this division shall be

EL Paso ISD - Austin HS - Sports  
Lighting Replacement

28 02 00 - 2

Basic Materials and Methods for  
Electrical

1. A specialist in this field and have the personnel, experience, training, and skill, and the organization to provide a practical working system.
2. Able to furnish evidence of having contracted for and installed not less than 3 systems of comparable size and type that have served their Owners satisfactorily for not less than 3 years.
3. Perform work by persons qualified to produce workmanship of specified quality. Persons performing electrical work shall be required to be licensed. Onsite supervision, journeyman shall have minimum of journeyman license. Helpers, apprentices shall have minimum of apprentice license.

**1.0 DATE OF FINAL ACCEPTANCE**

- A. The date of final acceptance shall be the date of owner occupancy, or the date all punch list items have been completed or final payment has been received. Refer to Division One for additional requirements.
- B. The date of final acceptance shall be documented in writing and signed by the architect, owner and contractor.

**1.10 DEFINITIONS AND SYMBOLS**

- A. General Explanation: A substantial amount of construction and Specification language constitutes definitions for terms found in other Contract Documents, including Drawings which must be recognized as diagrammatic and schematic in nature and not completely descriptive of requirements indicated thereon. Certain terms used in Contract Documents are defined generally in this article, unless defined otherwise in Division 1.
- B. Definitions and explanations of this Section are not necessarily either complete or exclusive, but are general for work to the extent not stated more explicitly in another provision of the Contract Documents.
- C. Indicated: The term Indicated is a cross-reference to details, notes or schedules on the Drawings, to other paragraphs or schedules in the Specifications and to similar means of recording requirements in Contract Documents. Where such terms as Shown, Noted, Scheduled, Specified and Detailed are used in lieu of Indicated, it is for the purpose of helping the reader locate cross-reference material, and no limitation of location is intended except as specifically shown.
- D. Directed: Where not otherwise explained, terms such as Directed, Requested, Accepted, and Permitted mean by the Architect or Engineer. However, no such implied meaning will be interpreted to extend the Architect's or Engineer's responsibility into the Contractor's area of construction supervision.
- E. Reviewed: Where used in conjunction with the Engineer's response to submittals, requests for information, applications, inquiries, reports and claims by the Contractor the meaning of the term Reviewed will be held to limitations of Architect's and Engineer's responsibilities and duties as specified in the General and Supplemental Conditions. In no case will Reviewed by Engineer be interpreted as a release of the Contractor from responsibility to fulfill the terms and requirements of the Contract Documents.
- F. Furnish: Except as otherwise defined in greater detail, the term Furnish is used to mean supply and deliver to the project site, ready for unloading, unpacking, assembly, installation, etc., as applicable in each instance.
- G. Install: Except as otherwise defined in greater detail, the term Install is used to describe operations at the project site including unloading, unpacking, assembly, erection, placing, anchoring, applying, working to dimension, finishing, curing, protection, cleaning and similar operations, as applicable in each instance.
- H. Provide: Except as otherwise defined in greater detail, the term Provide is used to mean Furnish and Install, complete and ready for intended use, as applicable in each instance.

- I. **Installer:** Entity (person or firm) engaged by the Contractor or its subcontractor or Sub-contractor for performance of a particular unit of work at the project site, including unloading, unpacking, assembly, erection, placing, anchoring, applying, working to dimension, finishing, curing, protection, cleaning and similar operations, as applicable in each instance. It is a general requirement that such entities (Installers) be expert in the operations they are engaged to perform.
- Imperative Language:** Used generally in Specifications. Except as otherwise indicated, requirements expressed imperatively are to be performed by the Contractor. For clarity of reading at certain locations, contrasting subjective language is used to describe responsibilities that must be fulfilled indirectly by the Contractor, or when so noted by other identified installers or entities.
- K. **Minimum quality/ quantity:** In every instance, the quality level or quantity shown or specified is intended as minimum quality level or quantity of work to be performed or provided. Except as otherwise specifically indicated, the actual work may either comply exactly with that minimum (within specified tolerances), or may exceed that minimum within reasonable tolerance limits. In complying with requirements, indicated or scheduled numeric values are either minimums or maximums as noted or as appropriate for the context of the requirements. Refer instances of uncertainty to Owner or Engineer via a request for information (RFI) for decision before proceeding.
- L. **Abbreviations and Symbols:** The language of Specifications and other Contract Documents including Drawings is of an abbreviated type in certain instances, and implies words and meanings which will be appropriately interpreted. Actual word abbreviations of a self-explanatory nature have been included in text of Specifications and Drawings. Specific abbreviations and symbols have been established, principally for lengthy technical terminology and primarily in conjunction with coordination of Specification requirements with notations on Drawings and in Schedules. These are frequently defined in Section at first instance of use or on a Legend and Symbol Drawing. Trade and industry association names and titles of generally recognized industry standards are frequently abbreviated. Singular words will be interpreted as plural and plural words will be interpreted as singular where applicable and where full context of Contract Documents so indicate. Except as otherwise indicated, graphic symbols and abbreviations used on Drawings and in Specifications are those recognized in construction industry for indicated purposes. Where not otherwise noted symbols and abbreviations are defined by 1993 ASHRAE Fundamentals Handbook, chapter 34 Abbreviations and Symbols, ASME and ASPE published standards.

#### 1.11 DELIVERY STORAGE AND HANDLING

- A. Deliver products to the project properly identified with names, model numbers, types, grades, compliance labels, and other information needed for identification.
- B. Deliver products to the project at such time as the project is ready to receive the equipment, pipe or duct properly protected from incidental damage and weather damage.
- C. Damaged equipment shall be promptly removed from the site and new, undamaged equipment shall be installed in its place promptly with no additional charge to the Owner.

#### 1.12 SUBMITTALS

- A. Coordinate with Division 01 for submittal timetable requirements, unless noted otherwise within thirty (30) days after the Contract is awarded. The Contractor shall submit an electronic copy of a complete set of shop drawings and complete data covering each item of equipment or material. The submittal of each item requiring a submittal must be received by the Architect or Engineer within the above thirty day period. The Architect or Engineer shall not be responsible for any delays or costs incurred due to excessive shop drawing review time for submittals received after the thirty (30) day time limit. The Architect and Engineer will retain a copy of all shop drawings for their files. All literature pertaining to items subject to Shop Drawing submittal shall be submitted at one time. Submittals shall be placed in one electronic file in PDF 8.0 format and bookmarked for individual specification sections. Individual electronic files of submittals for individual specifications shall not be permitted. Each submittal shall include the following items:

EL Paso ISD - Austin HS - Sports  
Lighting Replacement

26 02 00 - 4

Basic Materials and Methods for  
Electrical

1. A cover sheet with the names and addresses of the Project, Architect, MEP Engineer, General Contractor and the Subcontractor making the submittal. The cover sheet shall also contain the section number covering the item or items submitted and the item nomenclature or description.
  2. An index page with a listing of all data included in the Submittal.
  3. A list of variations page with a listing all variations, including unfurnished or additional required accessories, items or other features, between the submitted equipment and the specified equipment. If there are no variations, then this page shall state NO VARIATIONS. Where variations affect the work of other Contractors, then the Contractor shall certify on this page that these variations have been fully coordinated with the affected Contractors and that all expenses associated with the variations will be paid by the submitting Contractor. This page will be signed by the submitting Contractor.
  4. Equipment information including manufacturer's name and designation, size, performance and capacity data as applicable. All applicable Listings, Labels, Approvals and Standards shall be clearly indicated.
  5. Dimensional data and scaled drawings as applicable to show that the submitted equipment will fit the space available with all required Code and maintenance clearances clearly indicated and labeled at a minimum scale of 1/4" = 1'-0", as required to demonstrate that the alternate or substituted product will fit in the space available.
  6. Identification of each item of material or equipment matching that indicated on the Drawings.
  7. Sufficient pictorial, descriptive and diagrammatic data on each item to show its conformance with the Drawings and Specifications. Any options or special requirements or accessories shall be so indicated. All applicable information shall be clearly indicated with arrows or another approved method.
  8. Additional information as required in other Sections of this Division.
  9. Certification by the General Contractor and Subcontractor that the material submitted is in accordance with the Drawings and Specifications, signed and dated in long hand. Submittals that do not comply with the above requirements shall be returned to the Contractor and shall be marked REVISE AND RESUBMIT.
- B. Refer to Division 1 for additional information on shop drawings and submittals.
- C. Equipment and materials submittals and shop drawings will be reviewed for compliance with design concept only. It will be assumed that the submitting Contractor has verified that all items submitted can be installed in the space allotted. Review of shop drawings and submittals shall not be considered as a verification or guarantee of measurements or building conditions.
- D. Where shop drawings and submittals are marked REVIEWED, the review of the submittal does not indicate that submittals have been checked in detail nor does it in any way relieve the Contractor from his responsibility to furnish material and perform work as required by the Contract Documents.
- E. Shop drawings shall be reviewed and returned to the Contractor with one of the following categories indicated:
1. REVIEWED: Contractor need take no further submittal action, shall include this submittal in the O - M manual and may order the equipment submitted on.
  2. REVIEWED AS NOTED: Contractor shall submit a letter verifying that required exceptions to the submittal have been received and complied with including additional accessories or coordination action as noted, and shall include this submittal and compliance letter in the O - M manual. The contractor may order the equipment submitted on at the time of the returned submittal providing the Contractor complies with the exceptions noted.
  3. NOT APPROVED: Contractor shall resubmit new submittal on material, equipment or method of installation when the alternate or substitute is not approved, the Contractor will automatically be required to furnish the product, material or method named in the Specifications and/or drawings. Contractor shall not order equipment that is not approved. Repetitive requests for substitutions will not be considered.

4. REVISE AND RESUBMIT: Contractor shall resubmit new submittal on material, equipment or method of installation when the alternate or substitute is marked revise and resubmit, the Contractor will automatically be required to furnish the product, material or method named in the Specifications and/or provide as noted on previous shop drawings. Contractor shall not order equipment marked revise and resubmit. Repetitive requests for substitutions will not be considered.
  5. CONTRACTOR'S CERTIFICATION REQUIRED: Contractor shall resubmit submittal on material, equipment or method of installation. The Contractor's stamp is required stating the submittal meets all conditions of the contract documents. The stamp shall be signed by the General Contractor. The submittal will not be reviewed if the stamp is not placed and signed on all shop drawings.
  6. MANUFACTURER NOT AS SPECIFIED: Contractor shall resubmit new submittal on material, equipment or method of installation when the alternate or substitute is marked manufacturer not as specified, the Contractor will automatically be required to furnish the product, material or method named in the specifications. Contractor shall not order equipment where submittal is marked manufacturer not as specified. Repetitive requests for substitutions will not be considered.
- F. Materials and equipment which are purchased or installed without shop drawing review shall be at the risk of the Contractor and the cost for removal and replacement of such materials and equipment and related work which is judged unsatisfactory by the Owner or Engineer for any reason shall be at the expense of the Contractor. The responsible Contractor shall remove the material and equipment noted above and replace with specified equipment or material at his own expense when directed in writing by the Architect or Engineer.
- G. Shop Drawing Submittals shall be complete and checked prior to submission to the Engineer for review.
- H. Furnish detailed shop drawings, descriptive literature, table of contents listing all items being submitted at the beginning of each submittal package, physical data and a specification critique for each section indicating compliance and/or variations for the following items:
1. Panelboards
  2. Wiring Gutters
  3. Heavy Duty Disconnect Switches
  4. Lighting Fixtures
  5. Lighting Contactors
  6. Time Clocks
  7. Wiring Devices and Plates
  8. Conduit and Fittings
  9. Wire
  10. Surge Protection Devices (SPD)
- I. Refer to each specification section for additional requirements.

### 1.13 OPERATION AND MAINTENANCE MANUALS

- A. Prepare maintenance manuals in accordance with Division 1 and in addition to the requirements specified in Division 1, include the following information for equipment items:
1. Description of function, normal operating characteristics and limitations, performance curves, engineering data and tests, and complete nomenclature and commercial numbers of replacement parts.
  2. Manufacturer's printed operating procedures to include start-up, break-in, and routine and normal operating instructions; regulation, control, stopping, shutdown, and emergency instructions; and summer and winter operating instructions.
  3. Maintenance procedures for routine preventative maintenance and troubleshooting; disassembly, repair, and reassembly; aligning and adjusting instructions.
  4. Servicing instructions and lubrication charts and schedules.

#### 1.14 COORDINATION DRAWINGS

- A. Prepare coordination drawings to a scale of 1/4" = 1'-0" or larger, detailing major elements, components, and systems of mechanical equipment and materials in relationship with other systems, installations, and building components. Indicate locations where space is limited for installation and access and where sequencing and coordination of installations are of importance to the efficient flow of the Work, including (but not necessarily limited to) the following:
1. Indicate the proposed locations of pipe, duct, equipment, and other materials. Include the following:
    - a. Wall and type locations.
    - b. Clearances for installing and maintaining insulation.
    - c. Locations of light fixtures and sprinkler heads.
    - d. Clearances for servicing and maintaining equipment, including tube removal, filter removal, and space for equipment disassembly required for periodic maintenance.
    - e. Equipment connections and support details.
    - f. Exterior wall and foundation penetrations.
    - g. Routing of storm and sanitary sewer piping.
    - h. Fire-rated wall and floor penetrations.
    - i. Sizes and location of required concrete pads and bases.
    - j. Valve stem movement.
    - k. Structural floor, wall and roof opening sizes and details.
  2. Indicate scheduling, sequencing, movement, and positioning of large equipment into the building during construction.
  3. Prepare floor plans, elevations, and details to indicate penetrations in floors, walls, and ceilings and their relationship to other penetrations and installations.
  4. Prepare reflected ceiling plans to coordinate and integrate installations, air distribution devices, light fixtures, communication systems components, and other ceiling-mounted items.
- B. This Contractor shall be responsible for coordination of all items that will affect the installation of the work of this Division. This coordination shall include, but not be limited to: voltage, ampacity, capacity, electrical and piping connections, space requirements, sequence of construction, building requirements and special conditions.
- C. By submitting shop drawings on the project, this Contractor is indicating that all necessary coordination has been completed and that the systems, products and equipment submitted can be installed in the building and will operate as specified and intended, in full coordination with all other Contractors and Subcontractors.

#### 1.15 RECORD DRAWINGS

- A. Prepare Record Documents in accordance with the requirements of Division 00 and Division 01, in addition to the requirements specified in Division 26.
- B. The Contractor shall maintain a separate set of clearly and legibly marked Record Drawings on the job site to record all changes and modifications, including, but not limited to the following: work details, alterations to meet site conditions, and changes made by Change Order notices. Mark the drawings with colored pencil(s). These shall be available for review by the Owner, Architect or Engineer during the entire construction stage.
- C. The Record Drawings shall be updated concurrently as construction progresses, and in no case less frequently than a daily basis. They shall indicate accurate dimensions for all buried or concealed work, precise locations of all concealed pipe or duct, locations of all concealed valves, controls and devices and any deviations from the work shown on the Construction Documents. All dimensions shall include at least two dimensions to permanent structure points.
- D. Engage the services of a Land Surveyor or Professional Engineer registered in the state in which the project is located as specified herein to record the locations and invert elevations of underground installations.

- E. If the Contractor does not keep an accurate set of Record Drawings, the pay request may be altered or delayed at the request of the Architect. Delivery of Record Documents is a condition of final acceptance. Record Drawings shall be furnished in addition to Shop Drawings.
- F. The Contractor shall submit an electronic copy of the record documents in PDF format and one (1) full size set of Record Drawing prints to the Architect or Engineer for review prior to scheduling the final inspection at the completion of the work. The drawings shall have the name(s) and seal(s) of the Engineer(s) removed or blanked out and shall be clearly marked and signed on each sheet as follows:

CERTIFIED RECORD DRAWINGS

DATE:

(NAME OF GENERAL CONTRACTOR)

BY: \_\_\_\_\_

(SIGNATURE)

(NAME OF SUBCONTRACTOR)

BY: \_\_\_\_\_

(SIGNATURE)

**1.16 CERTIFICATIONS AND TEST REPORTS**

- A. Submit a detailed schedule for completion and testing of each system indicating scheduled dates for completion of system installation and outlining tests to be performed and schedule date for each test. This detailed completion and test schedule shall be submitted at least 90 days before the projected Project completion date.
- B. Test result reporting forms shall be submitted for review no later than the date of the detailed schedule submitted.
- C. Submit 4 copies of all certifications and test reports to the Architect or Engineer for review adequately in advance of completion of the Work to allow for remedial action as required to correct deficiencies discovered in equipment and systems.
- D. Certifications and test reports to be submitted shall include, but not be limited to those items outlined in Section of Division 26.

**1.1 MAINTENANCE MANUALS**

- A. Coordinate with Division 1 for maintenance manual requirements, unless noted otherwise bind together in "D ring type" binders by National model no. 79-883 or equal, binders shall be large enough to allow 1/4" of spare capacity. Three (3) sets of all approved shop drawing submittals, fabrication drawings, bulletins, maintenance instructions, operating instructions and parts exploded views and lists for each and every piece of equipment furnished under this Specification. All sections shall be typed and indexed into sections and ed for easy reference and shall utilize the individual specification section numbers shown in the Electrical Specifications as an organization guideline. Bulletins containing information about equipment that is not installed on the project shall be properly marked up or stripped and reassembled. All pertinent information required by the Owner for proper operation and maintenance of equipment supplied by Division 26 shall be clearly and legibly set forth in memoranda that shall, likewise, be bound with bulletins.
- B. Prepare maintenance manuals in accordance with Special Project Conditions, in addition to the requirements specified in Division 26, include the following information for equipment items:
  1. Identifying names, name tags designations and locations for all equipment.
  2. Fault Current calculations and Coordination Study
  3. Reviewed shop drawing submittals with exceptions noted compliance letter
  4. Fabrication drawings.

5. Equipment and device bulletins and data sheets clearly highlighted to show equipment installed on the project and including performance curves and data as applicable, i.e., description of function, normal operating characteristics and limitations, performance curves, engineering data and tests, and complete nomenclature and model numbers of replacement parts.
  6. Manufacturer's printed operating procedures to include start-up, break-in, and routine and normal operating instructions; regulation, control, stopping, shutdown, and emergency instructions; and summer and winter operating instructions.
  7. Maintenance procedures for routine preventative maintenance and troubleshooting; disassembly, repair, and reassembly; aligning and adjusting instructions, servicing instructions and lubrication charts and schedules.
  8. Equipment name plate data.
  9. Wiring diagrams.
  10. Exploded parts views and parts lists for all equipment and devices.
  11. Color coding charts for all painted equipment and conduit.
  12. Location and listing of all spare parts and special keys and tools furnished to the Owner.
  13. Furnish recommended lubrication schedule for all required lubrication points with listing of type and approximate amount of lubricant required.
- C. Refer to Division 1 for additional information on Operating and Maintenance Manuals.
- D. Operating and Maintenance Manuals shall be turned over to the Owner or Engineer a minimum of 14 working days prior to the beginning of the operator training period.

#### **1.18 OPERATOR TRAINING**

- A. The Contractor shall furnish the services of factory trained specialists to instruct the Owner's operating personnel. The Owner's operator training shall include 12 hours of onsite training in three 4 hour shifts.
- B. Before proceeding with the instruction of Owner Personnel, prepare a typed outline in triplicate, listing the subjects that will be covered in this instruction, and submit the outline for review by the Owner. At the conclusion of the instruction period obtain the signature of each person being instructed on each copy of the reviewed outline to signify that he has a proper understanding of the operation and maintenance of the systems and resubmit the signed outlines.
- C. Refer to other Division 26 Sections for additional Operator Training requirements.

#### **1.1 SITE VISITATION**

- A. Visit the site of the proposed construction in order to fully understand the facilities, difficulties and restriction attending the execution of the work.
- B. Before submitting a bid, it will be necessary for each Contractor whose work is involved to visit the site and ascertain for himself the conditions to be met therein in installing his work and make due provision for same in his bid. It will be assumed that this Contractor in submitting his bid has visited the premises and that his bid covers all work necessary to properly install the equipment shown. Failure on the part of the Contractor to comply with this requirement shall not be considered justification for the omission or faulty installation of any work covered by these Specifications and Drawings.
- C. Understand the existing utilities from which services will be supplied; verify locations of utility services, and determine requirements for connections.
- D. Determine in advance that equipment and materials proposed for installation fit into the confines indicated.

## 1.20 WARRANTY

- A. The undertaking of the work described in this Division shall be considered equivalent to the issuance, as part of this work, of a specific guarantee extending one year beyond the date of completion of work and acceptance by Owner, against defects in materials and workmanship. Materials, appliances and labor necessary to effect repairs and replacement so as to maintain said work in good functioning order shall be provided as required. Replacements necessitated by normal wear in use or by Owner's abuse are not included under this guarantee.
- B. All normal and extended warranties shall include parts, labor, miscellaneous materials, travel time, incidental expenses, freight/shipping, refrigerant, oils, lubricants, belts, filters and any expenses related to service call required to diagnose warranty problems.

## 1.21 TRANSFER OF ELECTRONIC FILES

- A. Project documents are not intended or represented to be suitable for reuse by Architect/Owner or others on extensions of this project or on any other project. Any such reuse or modification without written verification or adaptation by Engineer, as appropriate for the specific purpose intended, will be at Architect/Owner's risk and without liability or legal exposure to Engineer or its consultants from all claims, damages, losses and expense, including attorney's fees arising out of or resulting thereof.
- B. Because data stored in electric media format can deteriorate or be modified inadvertently, or otherwise without authorization of the data's creator, the party receiving the electronic files agrees that it will perform acceptance tests or procedures within sixty (60) days of receipt, after which time the receiving party shall be deemed to have accepted the data thus transferred to be acceptable. Any errors detected within the sixty (60) day acceptance period will be corrected by the party delivering the electronic files. Engineer is not responsible for maintaining documents stored in electronic media format after acceptance by the Architect/Owner.
- C. When transferring documents in electronic media format, Engineer makes no representations as to the long-term compatibility, usability or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by Engineer at the beginning of the Project.
- D. Any reuse or modifications will be Contractor's sole risk and without liability or legal exposure to Architect, Engineer or any consultant.
- E. The Texas Board of Architectural Examiners (TBAE) has stated that it is in violation of Texas law for persons other than the Architect of record to revise the Architectural drawings without the Architect's written consent.
  - 1. It is agreed that "MEP" hard copy or computer-generated documents will not be issued to any other party except directly to the Architect/Owner. The contract documents are contractually copyrighted and cannot be used for any other project or purpose except as specifically indicated in AIA B-141 Standard Form of Agreement Between Architect and Owner.
  - 2. If the client, Architect or Owner of the project requires electronic media for "record purposes", then AutoCAD/ Revit documents will be prepared by Engineer on electronic media such as removable memory devices, flash drives or CD's. These documents can also be submitted via file transfer protocols. AutoCAD/ Revit files will be submitted with all title block references intact to permit the end user to only view and plot the drawings. Revisions will not be permitted in this configuration.
  - 3. At the Architect/Owner's request, Engineer will assist the Contractor in the preparation of the submittals and prepare one copy of AutoCAD/ Revit files on electronic media or submit through file transfer protocols. The electronic media will be prepared with all indicia of documents ownership removed. The electronic media will be prepared in a ".rvt" or ".dwg" format to permit the end user to revise the drawings.

## **PART 2 - PRODUCTS**

### **2.01 SUBSTITUTIONS**

- A. The names and manufacturers and model numbers have been used in the Contract documents to establish types of equipment and standards of quality. Where more than one manufacturer is named for a specific item of equipment, only one of the specified manufacturers will be considered for approval. Where only one manufacturer is mentioned with the phrase "or approved equal," Contractor may submit an alternate manufacturer for consideration, provided the following conditions are met:
1. Submit alternate equipment with complete descriptive data in shop drawing form. Provide sample of equipment upon request for review by Architect. Samples will be returned if requested in writing.
  2. Alternate equipment must be equal from the standpoint of materials, construction and performance.
  3. Alternate submittal must be presented to the Engineer/Architect ten (10) days prior to bid date for approval.
- B. The Architect and Engineer shall be the sole judge of quality and equivalence of equipment, materials and methods.

### **2.02 PRODUCT LISTING**

- A. Products used on this project shall be listed by Underwriters' Laboratories.

### **2.03 ACCESS DOORS**

- A. Wherever access is required in walls or ceilings to concealed junction boxes, pull boxes, equipment, etc., installed under this Division, furnish a hinged access door and frame with flush latch handle to another Division for installation. Doors shall be as follows:
1. Plaster Surfaces: Milcor Style K.
  2. Ceramic Tile Surfaces: Milcor Style M.
  3. Drywall Surfaces: Milcor Style DW.
  4. Install panels only in locations approved by the Architect.

### **2.04 EQUIPMENT PADS**

- A. Provide 4-inch-high concrete pads for indoor floor mounted equipment. Pads shall conform to the shape of the equipment with a minimum of 6 inch beyond the equipment. Top and sides of pads shall be troweled to a smooth finish, equivalent to the floor. External corners shall be bullnosed to a 3/4" radius, unless shown otherwise.
- B. Provide 6-inch-high concrete pads for all exterior mounted equipment. Pads shall conform to the shape of the equipment with a minimum of 6 inch beyond the equipment. Provide a 4-foot monolithic extension to the pad in front of the equipment for service when mounted on a non-finished area (i.e. landscape, gravel, clay, etc.) Top and sides of pads shall be troweled to a smooth finish. External corners shall be bullnosed to a 3/4" radius, unless shown otherwise.
- C. Provide a minimum 6-inch-high, steel reinforced concrete pad for generators. Pads shall be sized 6" larger than the outside perimeter dimensions. Provide a 4-foot monolithic extension to the pad around the equipment for service when mounted on a non-finished area (i.e. landscape, gravel, clay, etc.). Refer to structural details. Top and sides of pads shall be troweled to a smooth finish. External corners shall be bullnosed to a 3/4" radius, unless shown otherwise. The generator shall be bolted to the concrete pad per the manufacturers details.
- D. Provide steel reinforced concrete pad for utility transformers. Pads shall comply with Utility Company Standards.

## 2.05 ESCUTCHEONS

- A. Provide heavy chrome or nickel plated plates, of approved pattern, on conduit passing through walls, floors and ceilings in finished areas. Where conduit passes through a sleeve, no point of the conduit shall touch the building construction. Caulk around such conduit with sufficient layers of two hour rated firesafing by Thermafiber 4.0 P.C.F. density, U.S.G. fire test 4/11/78 and seal off openings between conduit and sleeves with non-hardening mastic prior to application of escutcheon plate. Escutcheons shall be Gravier Sure-Lock, or approved equal.

## 2.06 SPACE LIMITATIONS

- A. Equipment shall be chosen which shall properly fit into the physical space provided and shown on the drawings, allowing ample room for access, servicing, removal and replacement of parts, etc. Adequate space shall be allowed for clearances in accordance with Code requirements. Physical dimensions and arrangement of equipment shall be subject to the approval of the Architect.

## 2.0 PAINTING

- A. All factory assembled equipment for electrical work, except light fixtures, that normally is delivered with a factory applied finish shall be delivered with a hard surface factory applied finish such as baked-on machinery enamel which will not require additional field painting. The finish shall consist of not less than 2 coats of medium gray color paint USA No. 61 Munsell Notation 8-3G, 6. 10/0 54 enamel. This Contractor shall protect this finish from damage due to construction operations until acceptance of the building. He shall be responsible for satisfactorily restoring any such finishes or replacing equipment that becomes stained or damaged.

## 2.08 ELECTRICAL SYSTEM IDENTIFICATION

- A. Conduit Systems: Provide adequate marking of major conduit which is exposed or concealed in accessible spaces to distinguish each run as either a power or signal/communication conduit. Except as otherwise indicated, use orange banding with black lettering. Provide self-adhesive or snap-on type plastic markers. Indicate voltage for that raceway. Locate markers at ends of conduit runs, on pull boxes, on junction boxes, near switches and other control devices, near items of equipment served by the conductors, at points where conduit passes through walls or floors, or enters non-accessible construction and at spacings of not more than 50 feet along each run of conduit. Switch-leg conduit and short branches for power connections do not have to be marked, except where conduit is larger than  $\square$  inch. Branch circuit conduits, junction boxes and pull boxes shall be marked with a permanent marker indicating panel name and branch circuit numbers.
- B. Underground Cable Identification: Bury a continuous, preprinted, bright colored plastic ribbon cable marker with each underground cable (or group of cables), regardless of whether conductors are in conduit, duct bank, or direct buried. Locate each directly over cables, 6 to 8 inches below finished grade.
- C. Identification of Equipment:
  - 1. All major equipment shall have a manufacturer's label identifying the manufacturer's address, equipment model and serial numbers, equipment size, and other pertinent data. Care shall be taken not to obliterate this nameplate in any way. Provide black back plate with white letters and numbers for normal equipment. Provide red back plate with white letters and numbers for optional emergency equipment. Provide yellow back plate with white letters and numbers for Life safety equipment.
  - 2. A black-white-black laminated plastic engraved identifying nameplate shall be secured by stainless steel screws to each automatic transfer switch, switchboard, distribution panel, motor control center, motor starter panels and panelboards.
    - a. Identifying nameplates shall have  $\square$  inch high engraved letters and shall contain the following information:
      - 1) Name
      - 2) Voltage
      - 3) Phase

- 4) "3" or "4" wire, and
- 5) Where it is fed from.
- b. An example of a panelboard nameplate is:  
Center Panel – 1HB  
480/277 volt, 3 phase, 4 wire  
Center Fed from DP2
- c. An example of an automatic transfer switch nameplate is:  
Center ATS #2  
480/277 volt, 3 phase, 4 wire, 4 pole  
Center Fed from MSB and DFE
- 3. Each feeder device in a switchboard, distribution panel, and motor control center device shall have a nameplate showing the load served in 1/8 inch high engraved letters.
- 4. A black-white-black laminated plastic engraved identifying nameplate shall be secured by screws to each transformer, safety switch, disconnect switch, individual motor starter, enclosed circuit breaker, wireway, and terminal cabinet.
  - a. Identifying nameplates shall have 1/4 inch high engraved letters and shall indicate the equipment served.
  - b. An example of a disconnect switch is: AHU-1.
- 5. Prohibited Markings: Markings which are intended to identify the manufacturer, vendor, or other source from which the material has been obtained are prohibited for installation within public, tenant, or common areas within the project. Also, prohibited are materials or devices which bear evidence that markings or insignias have been removed. Certification, testing (example, Underwriters' Laboratories, Inc.), and approval labels are exceptions to this requirement.
- 6. Warning Signs: Provide warning signs where there is hazardous exposure associated with access to or operation of electrical facilities. Provide text of sufficient clarity and lettering of sufficient size to convey adequate information at each location; mount permanently in an appropriate and effective location. Comply with recognized industry standards for color and design.
- 7. Operational Tags: Where needed for proper and adequate information on operation and maintenance of electrical system, provide tags of plasticized card stock, either preprinted or hand printed. Tags shall convey the message, example: "DO NOT OPEN THIS SWITCH WHEN BURNER IS OPERATING."
- D. Identification of Wiring Devices
  - 1. Contractor shall indicate the circuit serving each wiring device. Provide a typewritten label located on the inside face of the coverplate for all recessed mounted devices and on the outside face of the coverplate on all surface mounted devices.

### **PART 3 - EXECUTION**

#### **3.01 EXCAVATING AND BAC FILLING**

- A. Trenching and backfilling and other earthwork operations required to install the facilities specified herein shall conform to the applicable requirements of Division 2 (95% of maximum standard density). Where trenching or excavation is required in improved areas, the backfill shall be compacted to a condition equal to that of adjacent undisturbed earth and the surface of the area restored to the condition existing prior to trenching or excavating operations. Provide a minimum of 3" of sand underneath all conduits. The plans indicate information pertaining to surface and sub-surface obstructions; however, this information is not guaranteed. Should obstructions be encountered whether or not shown, the Contractor shall alter routing of new work, reroute existing lines, remove obstructions where permitted, or otherwise perform whatever work is necessary to satisfy the purpose of new work and leave existing surfaces and structures in a satisfactory and serviceable condition. All work shall comply with OSHA Standards

### 3.02 WORKMANSHIP AND CONCEALMENT

- A. The work of this Section shall be performed by workman skilled in their trade. Installation shall be consistent in completeness whether concealed or exposed. Each item of electrical work shall be concealed in walls, chases, under floors and above ceilings except:
  - 1. Where shown to be exposed.
  - 2. Where exposure is necessary to the proper function.

### 3.03 SLEEVES CUTTING AND PATCHING

- A. This section shall be responsible for placing sleeves for all conduit passing through walls, partitions, sound walls, beams, floors, roof, etc. Sleeves through below-grade walls shall use water-tight fitting manufactured by O- /Gedney.
- B. Contractor shall install underground raceways including but not limited to feeders, service laterals, branch circuit and telecommunications. Contractor shall saw cut existing hard surfaces, when required for installation. Contractor shall patch surface to match existing conditions. Contractor shall replace all landscaping material when raceways are installed in these areas. Submit proposed method for patching for review.
- C. All cutting and patching will be done under another Division, but this Section will be responsible for timely performance of this work and layout of holes and setting sleeves.
- D. All un-used sleeves shall be sealed with 2 hour UL approved fire sealant manufactured by "3M" or approved equal.
- E. Refer to 26 05 33 for additional requirements.

### 3.04 ELECTRICAL GEAR

- A. Install all electrical equipment in accordance with the National Electrical Code and as shown on the drawings.
- B. Lighting contactors, time clocks, fire alarm equipment, security equipment disconnect switches, etc. mounted in mechanical/electrical rooms shall be mounted at a working height not requiring a ladder, when wall space is available. Installation of these devices at greater elevations shall be approved by the Engineer. Contractor shall provide a coordination sketch of each mechanical/electrical room noting locations and mounting heights of all electrical devices (note bottom and top elevations) shown to be installed. Sketches shall be provided to the Engineer for review and the general contractor for coordination with other trades working in these rooms.
- C. Fire retardant back boards secured to drywall studs may be used for contactors, time clocks, fire alarm equipment, security equipment, and disconnect switches 60 amp or smaller. All other wall mounted devices shall be mounted to unistrut. Unistrut shall be securely mounted to the floor and structural ceiling. Toggle bolts or anchor bolts attached to drywall is not acceptable.

### 3.05 CLEANING

- A. Clean lighting fixtures and equipment.
- B. Touch-up and refinish scratches and marred surfaces on panels, switches, starters, and transformers.

### 3.06 CORROSIVE AREAS

- A. In areas of a corrosive nature, which include but are not limited to the following: pool equipment rooms, cooling towers and areas subject to salt air, etc., provide NEMA 4 X stainless steel or fiberglass reinforced enclosures for contactors, panel boards, controllers, starters, disconnects and materials used as supporting means (i.e. plastibond unistrut, pipe, fittings). The use of spray on coating may be acceptable in some applications.

### 3.0 TESTS AND INSPECTIONS

- A. Tests and inspection requirements shall be coordinated with Division I.
- B. Date for final acceptance test shall be sufficiently in advance of completion date of contract to permit alterations or adjustments necessary to achieve proper functioning of equipment prior to contract completion date.

- C. Conduct re-tests as directed by Architect on portions of work or equipment altered or adjusted as determined to be necessary by final acceptance test. No resultant delay or consumption of time as a result of such necessary re-test beyond contract completion date shall relieve Contractor of his responsibility under contract.
- D. Put circuits and equipment into service under normal conditions, collectively and separately, as may be required to determine satisfactory operation. Demonstrate equipment to operate in accordance with requirements of these specifications. Perform tests in the presence of Architect. Furnish instruments and personnel required for tests.
- E. Final inspection:
  - 1. At the time designated by the Architect, the entire system shall be inspected by the Architect and Engineer. The contractor or his representative shall be present at this inspection.
  - 2. Panelboards, switches, fixtures, etc., shall be cleaned and in operating condition.
  - 3. Certificates and documents required hereinbefore shall be in order and presented to the Architect prior to inspection.
  - 4. Panel covers, junction box covers, etc., shall be removed for visual inspection of the wire, bus bars, etc.
  - 5. After the inspection, any items which are noted as needing to be changed or corrected in order to comply with these specifications and the drawings shall be accomplished without delay.
- F. The contractor shall provide a thermographic test using an independent testing laboratory using an infrared scanning device. This test shall include but not limited to all switchboards, distribution panelboards, panelboards, automatic transfer switches and other electrical distribution devices. This test shall be conducted to locate high temperature levels. This test shall be conducted between 3 to 8 months after occupancy, but not beyond the one year warranty period. Submit test to the architect and engineer using test reporting forms. All unacceptable conditions shall be corrected prior to the end of the warranty period.

**END OF SECTION**

## SECTION 26 02 01 - COORDINATION DRAWINGS

### PART 1 - GENERAL

#### 1.01 GENERAL REQUIREMENTS

- A The requirements of the General Conditions 01 31 00 and Supplementary Conditions apply to all Work herein.

#### 1.02 COORDINATION DRAWINGS

- A The Contractor shall take the lead in coordinating the Mechanical, Electrical, Plumbing, Communications, Electronic Safety/Security and Fire Protection systems within the building.
- B The Contractor shall coordinate a three-dimensional (3D) model of the building which includes the Mechanical, Electrical, Plumbing, and Fire Protection systems. The Mechanical, Electrical, Plumbing, and Fire Protection Contractors shall prepare their work and generate 3D models which will be given to the Contractor for coordination. The Contractor will be provided with the REVIT model that was used to generate the contract documents, this file may be used as the background file. The Contractor shall replace the systems drawn with the actual shop drawing models. The Contractor is not limited to using REVIT, but may use any 3-D software in generating and combining the coordination model.
- C Submitting the contract drawings as coordination drawings will not be acceptable.
- D The model shall include detailed and accurate representations of all equipment to be installed based upon the reviewed equipment submittals.
- E The Contractor shall hold a 3-D coordination meeting with all sub-contractors present to review the model and discuss coordination of the installation of the building systems.
- F Upon completion of the coordination meeting, the Contractor shall submit the 3-D model and 1/4" scale drawings for review.
- G The model shall detail major elements, components, and systems in relationship with other systems, installations, and building components. Indicate locations where space is limited for installation and access and where sequencing and coordination of installations are of importance to the efficient flow of the Work, including (but not necessarily limited to) the following:
  - 1. Indicate the proposed locations of pipe, duct, equipment, and other materials. Include the following:
    - a. Wall and type locations.
    - b. Clearances for installing and maintaining insulation.
    - c. Locations of light fixtures and sprinkler heads.
    - d. Clearances for servicing and maintaining equipment, including tube removal, filter removal, and space for equipment disassembly required for periodic maintenance.
    - e. Equipment connections and support details.
    - f. Exterior wall and foundation penetrations.
    - g. Routing of storm and sanitary sewer piping.
    - h. Fire-rated wall and floor penetrations.
    - i. Sizes and location of required concrete pads and bases.
    - j. Valve stem movement.
    - k. Structural floor, wall and roof opening sizes and details.
  - 2. Indicate scheduling, sequencing, movement, and positioning of large equipment into the building during construction.
  - 3. Prepare floor plans, elevations, and details to indicate penetrations in floors, walls, and ceilings and their relationship to other penetrations and installations.
  - 4. Prepare reflected ceiling plans to coordinate and integrate installations, air distribution devices, light fixtures, communication systems components, and other ceiling-mounted items.
- H. Sequence of Coordination

1. Below is hierarchy of model elements and the sequencing by which the models will be coordinated:
  - a. Structural and Architectural model
  - b. Miscellaneous steel
  - c. Perform preliminary space allocation
  - d. Identify hard constraints (locations of access panels, lights, A/V space requirements, etc.)
  - e. Main and medium pressure ducts from the shaft out
  - f. Main graded plumbing lines and vents
  - g. Sprinkler mains and branches
  - h. Cold and hot water mains and branches
  - i. Lighting fixtures and plumbing fixtures
  - j. Smaller sized ducts and flex ducts
  - k. Smaller size cold water and hot water piping, flex ducts, etc.
- I. The Contractor shall not install any item until the coordination has been completed and reviewed by the Construction Manager, Owner, and A/E team.
- J. This Contractor shall be responsible for coordination of all items that will affect the installation of the work of this Division. This coordination shall include, but not be limited to: voltage, ampacity, capacity, electrical and piping connections, space requirements, sequence of construction, building requirements and special conditions.
- K. By submitting shop drawings on the project, this Contractor is indicating that all necessary coordination has been completed and that the systems, products and equipment submitted can be installed in the building and will operate as specified and intended, in full coordination with all other Contractors and Subcontractors.

**END OF SECTION**

## SECTION 26 03 13 - ELECTRICAL DEMOLITION FOR REMODELING

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

- A. The contractor shall be responsible for loss or damage to the existing facilities caused by him and his workmen, and shall be responsible for repairing such loss or damage. The contractor shall send proper notices, make necessary arrangements, and perform other services required for the care, protection and in-service maintenance of all electrical services for the new and existing facilities. The contractor shall erect temporary barricades, with necessary safety devices, as required to protect personnel from injury, removing all such temporary protection upon completion of the work.
- B. Outages of services as required by the new installation will be permitted but only at a time approved by the Owner. The contractor shall allow the Owner 2 weeks in order to schedule required outages. The time allowed for outages will not be during normal working hours unless otherwise approved by the Owner. All costs of outages, including overtime charges, shall be included in the contract amount.
- C. The contractor shall provide temporary or new services to all existing facilities as required to maintain their proper operation when normal services are disrupted as a result of the work being accomplished under this project.

#### 1.02 RELATED SECTIONS

- A. Section 01120 - Alteration Project Procedures.
- B. Section 02072 - Minor Demolition for Remodeling.

### PART 2 - PRODUCTS

#### 2.01 MATERIALS AND EQUIPMENT

- A. Materials and equipment for patching and extending work: As specified in individual Sections.
- B. Include in the contract price all rerouting of existing conduits, wiring, outlet boxes, fixtures, etc., and the reconnecting of existing fixtures as necessitated by field conditions to allow the installation of the new systems. Furnish all temporary conduit, wiring, boxes, etc., as required to maintain lighting and power service for the existing areas with a minimum of interruption. Remove wire and conduit back to nearest accessible active junction box and extend to existing homeruns as required.

### PART 3 - EXECUTION

#### 3.01 EXAMINATION

- A. Verify field measurements and circuiting arrangements are as shown on Drawings.
- B. Verify that abandoned wiring and equipment serve only abandoned facilities.
- C. Demolition Drawings are based on casual field observation and existing record documents. Report discrepancies to Owner before disturbing existing installation.
- D. Beginning of demolition means installer accepts existing conditions.

#### 3.02 PREPARATION

- A. Disconnect electrical systems in walls, floors, and ceilings scheduled for removal.
- B. Coordinate utility service outages with Utility Company.
- C. Provide temporary wiring and connections to maintain existing systems in service during construction. When work must be performed on energized equipment or circuits use personnel experienced in such operations.
- D. Existing Electrical Service: Maintain existing system in service until new system is complete and ready for service. Disable system only to make switchovers and connections. Obtain permission from Owner at least 24 hours before partially or completely disabling system. Minimize outage duration. Make temporary connections to maintain service in areas adjacent to work area.

EL Paso ISD - Austin HS - Sports  
Lighting Replacement

26 03 13 - 1

Electrical Demolition for  
Remodeling

- E. Existing Fire Alarm System: Maintain existing system in service until new system is accepted. Disable system only to make switchovers and connections. Notify Owner and local fire service at least 24 hours before partially or completely disabling system. Minimize outage duration. Make temporary connections to maintain service in areas adjacent to work area.
- F. Existing Telephone System: Maintain existing system in service until new system is complete and ready for service. Disable system only to make switchovers and connections. Notify Owner and Telephone Utility Company at least 24 hours before partially or completely disabling system. Minimize outage duration. Make temporary connections to maintain service in areas adjacent to work area.
- G. Existing Public Address System: Maintain existing system in service until new system is complete and ready for service. Disable system only to make switchovers and connections. Obtain permission from the Owner and at least 24 hours before partially or completely disabling system. Minimize outage duration. Make temporary connections to maintain service in areas adjacent to work area.

### 3.03 DEMOLITION AND EXTENSION OF EXISTING ELECTRICAL WORK

- A. Demolish and extend existing electrical work under provisions of Section 01120, Section 02072, and this Section.
- B. Remove, relocate, and extend existing installations to accommodate new construction.
- C. Remove abandoned wiring to source of supply.
- D. Remove exposed abandoned conduit, including abandoned conduit above accessible ceiling finishes. Cut conduit flush with walls and floors, and patch surfaces.
- E. Disconnect abandoned outlets and remove devices. Remove abandoned outlets if conduit servicing them is abandoned and removed. Provide blank cover for abandoned outlets, which are not removed.
- F. Disconnect and remove abandoned panelboards and distribution equipment.
- G. Disconnect and remove electrical devices and equipment serving utilization equipment that has been removed.
- H. Disconnect and remove abandoned luminaires. Remove brackets, stems, hangers, and other accessories.
- I. Repair adjacent construction and finishes damaged during demolition and extension work.
- J. Maintain access to existing electrical installations which remain active. Modify installation or provide access panel as appropriate.
- K. Extend existing installations using materials and methods compatible with existing electrical installations, or as specified.
- L. Where existing construction is removed to provide working and extension access to existing utilities, contractor shall remove doors, piping, conduit, outlet boxes, wiring, light fixtures, air conditioning ductwork and equipment, etc., to provide this access and shall reinstall same upon completion of work in the areas affected.
- M. Where partitions, walls, floors, or ceilings of existing construction are being removed, all contractors shall remove and reinstall in locations approved by the Architect all devices required for the operation of the various systems installed in the existing construction.
- N. During the construction and remodeling, portions of the project shall remain in service. Construction equipment, materials, tools, extension cords, etc., shall be arranged so as to present minimum hazard or interruption to the occupants of the building.
- O. Certain work during the demolition phase of construction may require overtime or nighttime shifts or temporary evacuation of the occupants. Coordinate and schedule all proposed down time with the Owner's Representative at least 72 hours in advance.
- P. All existing lighting fixtures, switches, outlets, speakers, materials, equipment and appurtenances not included in the remodel or alteration areas are to remain in place and shall remain in service.

Electrical equipment, outlets, speakers, circuits to mechanical and building systems equipment, etc., which are to remain but which are served by conduit and/or circuiting that is disturbed by the remodeling work, shall be reconnected in such a manner as to leave it in proper operating condition.

- R. Existing branch circuit wiring which is to be removed, shall be pulled from the raceways and the empty conduit shall be removed to a point of permanent concealment.
- S. Within the remodeled or alteration areas where existing walls are being removed, all existing lighting fixtures, switches, receptacles, other materials and equipment and their appurtenances shall be removed, where required by the remodel work either shown or specified.
- T. New circuiting indicated to be connected to existing panels shall be connected to spares and/or released breakers as applicable, or new breakers provided where space is available. Contractor shall verify the existing panel load and feeder capacity prior to adding any additional loads.
- U. In all the remodeled areas where existing ceilings are being removed and reinstalled, all existing lighting fixtures, other ceiling mounted devices (i.e. smoked detectors, speakers, etc.) and their appurtenances shall be removed and reinstalled, unless otherwise shown or specified. This also applies to new ceiling installations.
- V. Existing lighting fixtures shown to be removed and indicated to be reused, shall be cleaned, repaired, and provided with new accessories as required for the proper operation in their new locations. Provide new lamps and ballast as required.

#### **3.04 CLEANING AND REPAIR**

- A. Clean and repair existing materials and equipment which remain or are to be reused.
- B. Panelboards: Clean exposed surfaces and check tightness of electrical connections. Replace damaged circuit breakers and provide closure plates for vacant positions. Provide typed circuit directory showing revised circuiting arrangement.

#### **3.05 INSTALLATION**

- A. Install relocated materials and equipment under the provisions of Section 01120.

#### **3.06 REMOVAL OF MATERIALS**

- A. The contractor shall modify, remove, and/or relocate all materials and items so indicated on the drawings or required by the installation of new facilities. All removals and/or dismantling shall be conducted in a manner as to produce maximum salvage. Salvage materials shall remain the property of the Owner, and shall be delivered to such destination as directed by the Owner. Materials and/or items scheduled for relocation and which are damaged during dismantling or reassembly operations shall be repaired and restored to good operative condition. The contractor may, at his discretion and upon the approval of the Owner, substitute new materials and/or items of like design and quality in lieu of materials and/or items to be relocated.
- B. All items which are to be relocated shall be carefully removed in reverse to original assembly or placement and protected until relocated. The contractor shall clean, repair, and provide all new materials, fittings, and appurtenances required to complete the relocations and to restore to good operative order. All relocations shall be performed by workmen skilled in the work and in accordance with standard practice of the trades involved.
- C. When items scheduled for relocation are found to be in damaged condition before work has been started on dismantling, the contractor shall call the attention of the Owner to such items and receive further instructions before removal. Items damaged in repositioning operations are the contractor's responsibility and shall be repaired or replaced by the contractor as approved by the Owner, at no additional cost to the Owner.

- D. Service lines and wiring to items to be removed, salvaged, or relocated shall be removed to points indicated on the drawings, specified, or acceptable to the Owner. Service lines and wiring not scheduled for reuse shall be removed to the points at which reuse is to be continued or service is to remain. Such services shall be sealed, capped, or otherwise tied-off or disconnected in a safe manner acceptable to the Owner. All disconnections or connections into the existing facilities shall be done in such a manner as to result in minimum interruption of services to adjacent occupied areas. Services to existing areas or facilities which must remain in operation during the construction period shall not be interrupted without prior specific approval of the Owner as hereinbefore specified.

**END OF SECTION**

EL Paso ISD - Austin HS - Sports  
Lighting Replacement

26 03 13 - 4

Electrical Demolition for  
Remodeling

**SECTION 26 05 1 - WIRE CABLE AND RELATED MATERIALS**

**PART 1 - GENERAL**

**1.01 SCOPE**

- A. Provide 600 volt building wire, cable and connectors and 300 volt wire, cable and connectors.
- B. **WORK INCLUDED:** Include the following Work in addition to items normally part of this Section.
  - 1. Wiring for lighting, dimming controls and power.
  - 2. Automatic Control Wiring
  - 3. Connection of equipment shown.
- C. **WORK SPECIFIED ELSEWHERE:**
  - 1. Heating, ventilating, and air conditioning equipment.
  - 2. Structured cabling system.
  - 3. Coaxial cables

**1.02 REFERENCE STANDARDS**

- A. UL 83 - Thermoplastic-Insulated Wires and Cables
- B. ASTM B3 - Standard Specification for Soft or Annealed Copper Wire
- C. NFPA 70 - National Electrical Code
- D. All wire cable and connectors shall be UL approved.
- E. NEMA
- F. NEMA Bulletin 119

**1.03 ACCEPTABLE MANUFACTURERS**

- A. **600 VOLT WIRE AND CABLE**
  - 1. Southwire
  - 2. Encore
  - 3. Cerro
- B. **300 VOLT WIRE AND CABLE**
  - 1. Westpenn
  - 2. Beldon
  - 3. Alpha
  - 4. Tappan - Southwire
- C. **FLEXIBLE CABLE SYSTEMS**
  - 1. AFC Modular Cable Systems
  - 2. Kaf-Tech
- D. **CONNECTORS**
  - 1. Ilco
  - 2. Cooper
  - 3. AMP - TYCO
  - 4. Burndy
  - 5. Ideal
  - 6. 3M
  - 7. O. Gedney
  - 8. Thomas Betts
  - 9. Buchanan

**1.04 SUBMITTALS**

- A. Shop drawings shall include, but not limited to:
  - 1. Cutsheets of wire, cable and connectors to indicate the performance, fabrication procedures, product variations, and accessories.

**1.05 REQUIREMENTS OF REGULATORY AGENCIES WORK IN ACCORDANCE WITH**

- A. National Electrical Code.
- B. Local, municipal, or state codes that have jurisdiction.

**PART 2 - PRODUCTS**

**2.01 WIRING**

- A. All wire shall be new and continuous without weld, splice, or joints throughout its length. It must be uniform in cross-section, free from flaws, scales and other imperfections.
- B. WIRE MATERIAL: Conductors shall be soft drawn, annealed copper. Aluminum wiring is not acceptable unless otherwise noted on drawings.
- C. TYPES:
  - 1. Provide type "THHN/THWN-2" insulation for all buried feeders and service entrance conductors.
  - 2. Provide type "THHN/THWN-2" insulation for all branch circuits and above grade feeders.
  - 3. All wire No. 8 and larger shall be stranded. All wire No. 10 and smaller shall be stranded or solid.
  - 4. Provide type XHHW or other 90 degrees insulation wiring for branch circuit wiring installed through continuous rows of fixture bodies.
  - 5. All 300-volt cable including but not limited to telephone, fire alarm, data, CATV and security shall be UL listed for use in return air plenums.
  - 6. All dimming conductors shall be 300 volt, 75 C plenum rated. Dimming conductors shall be solid. Stranded conductors are not acceptable.
- D. CONDUCTOR SIZES
  - 1. Feeder conductors shall be sized for a maximum of 2% drop in rated voltage at scheduled load.
  - 2. Branch circuit conductors shall be sized for a maximum 3% drop in the rated voltage to the longest outlet on the circuit.
  - 3. Minimum wire shall be 12 AWG, unless otherwise shown on Drawings or required by Code.
  - 4. Minimum wire size for 0-10v dimming controls shall be 18 AWG for conductors not exceeding 300 feet circuit length (one-way) and 16 AWG for those exceeding 300 feet (one-way).
- E. COLOR CODING: No. 6 or larger shall use tape for color coding. No. 8 and smaller wire shall be color coded in accordance with the governing authority requirements or as follows:
  - 277/480 Volt
    - Neutral: Gray
    - Phase A: Brown
    - Phase B: Purple
    - Phase C: Yellow
    - Ground: Green
  - 120/240 Volt
    - Neutral: White
    - Phase A: Black
    - Phase B: Orange
    - Phase C: Blue
    - Ground: Green

**2.02 GROUNDING**

- A. Permanently connect all conduit work, motors, starters, and other electrical equipment to grounding system in accordance with NFPA 70.

## **PART 3 - EXECUTION**

### **3.01 WIRE**

- A. Do not pull wire into conduit until Work of an injurious nature is completed. Where two or more circuits run to a single outlet box, each circuit shall be properly tagged. Wyreze or approved equal may be used as a lubricant where necessary.
- B. Splices shall be fully made up in outlet boxes with compression crimp-on type splice connectors.
- C. Joints and splices will not be permitted in service entrance or in feeders. Joints in branch circuits will be permitted where branch circuits divide, and then shall consist of one through-circuit to which the branch shall be spliced. Joints shall not be left for the fixture hanger to make. Connect joints and splices with Buchanan Series 2000 solderless connectors complete with insulating caps or properly sized twist on wire nuts. "Wago" push-in connectors are not acceptable.
- D. All stranded conductors shall be furnished with lugs or connectors.
- E. Connectors furnished with circuit breakers or switches shall be suitable for copper wire termination.
- F. "Sta-Cons" shall be used to terminate stranded conductors on all switches and receptacles.
- G. All stranded #10 and small conductors shall be terminated with an approved solderless terminal if the device or light fixture does not have provisions for clamp type securing of the conductor.
- H. The jacket for all travelers used on 3-way and 4-way switches shall be pink.
- I. Route conductors for 480Y/277 systems in a separate raceway. Do not combine with 208Y/120 volt or 120/240 volt systems.  
Emergency circuits shall not be routed with normal conductors.

### **3.02 BALANCING SYSTEM**

- A. The load on each distribution and lighting panel shall be balanced to within 10% by proper arrangement of branch circuits on the different phase legs. Provide written documentation showing results. Submit with O & M manuals.

### **3.03 LOW VOLTAGE WIRING**

- A. Low voltage wiring, including dimming conductors, shall be plenum rated. All wiring in mechanical rooms, electrical rooms, drywall ceiling, inaccessible areas, underground, plaster ceiling, inside concealed walls areas exposed to occupant view, and other areas subject to physical damage shall be run in conduit.
- B. Low voltage wiring shall be routed in separate raceways from power wiring systems.
- C. Sleeves shall be placed in the forms of concrete, masonry and fire rated walls, floor slabs and beams, for the passage of wiring. Sleeves should be set in place a sufficient time ahead of the concrete work so as not to delay the work. Sleeves shall be rigid galvanized steel.
- D. Provide Caddy -hooks supported independently from other system to support cable at 4-foot on center or closer if required by manufacturer.
- E. Provide a junction box to make up all joints and splices.
- F. Provide dimming conductors for all lighting circuits located in spaces with dimmer switches and theatrical lighting as indicated on the drawings and as specified.

### **3.04 CABLE SUPPORTS**

- A. Provide cable supports in all vertical raceways in accordance with Article 300-19 of NFPA 70.

### **3.05 DEFECTS**

- A. Defects shall include, but are not limited to, the following:
  - 1. Tripping circuit breakers under normal operation.
  - 2. Improperly connected equipment.

3. Damaged, torn, or skinned insulation.

**END OF SECTION**

EL Paso ISD - Austin HS - Sports  
Lighting Replacement

26 05 19 - 4

Wire, Cable and Related Materials

## SECTION 26 05 26 - GROUNDING

### PART 1 - GENERAL

#### 1.01 GENERAL REQUIREMENTS

- A. The requirements of the General Conditions and Supplementary Conditions apply to all work herein.

#### 1.02 SCOPE

- A. WORK COMBINED WITH OTHER SECTIONS: Combine the work specified herein with the following Sections to form a single responsibility for the Work.
  - 1. Electrical
  - 2. Basic materials and methods.
- B. Provide electrical service, equipment and wiring device grounding as shown, scheduled and as specified.
- C. The types of grounding include, but not limited to, the grounding bonding of all equipment devices, building steel piping, and as required by the National Electrical Code, Local Inspection Department and Power Company.

#### 1.03 STANDARDS

- A. National Electrical Code (NFPA-70)
- B. Local municipal and State codes that have jurisdiction.
- C. NECA

#### 1.04 ACCEPTABLE MANUFACTURES

- A. Provide grounding products manufactured by Copperweld and Cadweld.

#### 1.05 SUBMITTALS

- A. Shop drawings shall include, but not limited to the following:
  - 1. Cut sheets of ground rods, clamps and connectors.
  - 2. Grounding system diagram.

### PART 2 - PRODUCTS

#### 2.01 GENERAL

- A. Provide all materials required to construct a complete grounded electrical system.
- B. GROUND RODS: Ground rods shall be 3/4 inch diameter by 10 feet long construction with copper jacket and a steel core.
- C. CLAMPS: Ground clamps shall be copper except for steel or iron pipes in which the clamps shall be galvanized iron.
- D. CONDUCTORS: Conductors shall be connected by means of an approved pressure connector or clamp.

### PART 3 - EXECUTION

#### 3.01 INSTALLATION

- A. GENERAL: Install grounding system as shown and specified to ensure a properly grounded system.
- B. SERVICE ENTRANCE GROUNDING SYSTEM: Provide a main bonding jumper between the neutral and ground bus of main panel board. Route a separate grounding electrode conductor in conduit from each main distribution panel to the ground rod grid, incoming cold water piping system, <>. Provide a bonding jumper around water meter. The grounding electrode conductor shall be stranded copper, 98 conductivity and shall be run continuous without splices or joints and installed at least 12' below grade.
- C. BUILDING STEEL AND PIPING SYSTEM: Install a bonding jumper between building steel and metallic piping systems to bond them to the electrical grounding system.

- D. NEUTRAL: The neutral shall be grounded only at the service entrance and other separately derived systems. The neutral shall be kept separate from the grounding system and shall not be used as a ground.
- E. GROUNDING SEPARATELY DERIVED ALTERNATING CURRENT SYSTEM
  - 1. TRANSFORMERS: The center point (neutral) of each wye connected transformer shall be bonded to the case and the grounding electrode conductor shall be connected to the grounded conductor (neutral).
- F. GROUNDING CONDUCTOR: A grounding conductor and metallic conduit system shall bond all equipment served by the electrical system. Provide a flexible bonding jumper for isolated metallic piping and ductwork and around expansion fittings and joints.
- G. CONDUIT GROUNDING BUSHING: Conduit terminating in equipment that has a ground bus such as switchboards, panelboards, etc., shall have grounding bushings installed. Ground each conduit by means of a grounding bushing and to the ground bus in the equipment.
- H. LIGHTING FIXTURES: Flexible fixture whips containing a green grounding conductor shall be used to connect light fixtures. Flexible fixture whips shall not exceed ten feet.
- I. RECEPTACLES: All receptacles shall be grounded using the branch circuit grounding conductor. Receptacles shall use an approved grounding yoke.

### 3.02 TESTING

- A. Perform a ground resistance test using a biddle analog or digital portable earth/ground resistance tester. The system resistance shall not exceed 5 Ohms. Provide additional electrodes as required (refer to 250-84 and 250-56 of the most current edition NEC). Test shall not be conducted following wet weather. Provide personal instruments to conduct these tests and submit certified test for review. Test shall be verified by Engineer.

**END OF SECTION**

## SECTION 26 05 33 - RACEWAYS

### PART 1 - GENERAL

#### 1.01 SCOPE

- A Provide electrical raceways and fittings as shown, scheduled and specified.
- B The types of raceways and fittings required are as follows:
  - 1 Rigid hot-dipped galvanized steel conduit (GRC) (RMC)
  - 2 Intermediate hot-dipped galvanized steel conduit (IMC)
  - 3 Electrical metallic tubing (EMT)
  - 4 PVC (Sch. 40 - 80)
  - 5 Flexible metal conduit (FMC)
  - 6 Liquid-tight flexible metal conduit (LFMC)
  - 7 PVC coated rigid galvanized steel conduit (GRCC)
  - 8 Rigid Aluminum Conduit (RAC)

#### 1.02 REFERENCE STANDARDS

- A ANSI C80.1 - American National Standard for Electrical Rigid Steel Conduit (ERSC); 2020.
- B ANSI C80.3 - American National Standard for Electrical Metallic Tubing -- Steel (EMT-S); 2020.
- C ANSI C80.5 - American National Standard for Electrical Rigid Metal Conduit -- Aluminum (ERMC-A); 2020.
- D NFPA 70 - National Electrical Code, Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- E UL 6 - Electrical Rigid Metal Conduit-Steel, Current Edition, Including All Revisions.
- F UL 6A - Electrical Rigid Metal Conduit-Aluminum, Red Brass, and Stainless Steel, Current Edition, Including All Revisions.
- G UL 360 - Liquid-Tight Flexible Metal Conduit, Current Edition, Including All Revisions.
- H UL 651 - Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings, Current Edition, Including All Revisions.
- I UL 797 - Electrical Metallic Tubing-Steel, Current Edition, Including All Revisions.
  - UL 1242 - Electrical Intermediate Metal Conduit-Steel, Current Edition, Including All Revisions.
- K NEMA FB-1
- L NEMA TC3

#### 1.03 ACCEPTABLE MANUFACTURERS

- A Raceways
  - 1 Allied
  - 2 Republic
  - 3 Prime Conduit (Carlton)
  - 4 Wheatland Tube
  - 5 Cantex
  - 6 Western Tube
  - 7 Robroy Industries
- B Fittings
  - 1 Appleton
  - 2 Crouse Hinds
  - 3 Steel City
  - 4 O. Gedney
  - 5 Carlton
  - 6 Raco, Inc.
  - 7 Bridgeport
- C Boxes

EL Paso ISD - Austin HS - Sports  
Lighting Replacement

26 05 33 - 1

Raceways

- 1. RACO
  - 2. Thomas and Betts
  - 3. EATON
  - 4. Crouse-Hinds
  - 5. Appleton
- D. Surface
- 1. Hubbell
  - 2. Wiremold

**1.04 SUBMITTALS**

- A. Product data shall include but not be limited to:
- 1. Cutsheets for raceways, fitting, solvents, primers, etc.

**1.05 REQUIREMENTS OF REGULATORY AGENCIES WORK IN ACCORDANCE WITH**

- A. NFPA 70
- B. Local, municipal, or state codes that have jurisdiction.

**PART 2 - PRODUCTS**

**2.01 CONDUIT AND FITTINGS**

- A. Rigid Galvanized Steel Conduit (GRC/RMC)
- 1. Construction, Materials, Codes, Standards:
    - a. Article 344 - NFPA 70.
    - b. Hot-dip galvanized rigid steel conduit, galvanized after fabrication. Products shall comply with UL 6 and ANSI C80.1. All threads shall be galvanized after cutting. A uniform zinc coating shall be applied to the inner and outer walls.
    - c. Fittings shall be threaded and shipped with thread protectors. Set Screw are not acceptable. Die Cast Fittings are not acceptable.
  - 2. Permitted for use in the following locations:
    - a. Outdoor or Exterior (Exposed)
    - b. Indoors, Conditioned Spaces
    - c. Unconditioned Spaces
    - d. Underslab (Void Form Slab): where not in contact with earth – only permitted where indicated on plan.
    - e. Underslab (Suspended Slab): Permitted – only where indicated on plan.
  - 3. Prohibited Locations: Underground, Corrosive environments, Underslab (Slab on Grade), Foundation penetrations.
  - 4. Specific Uses: Exposed Exterior installations, where within or attached to masonry or concrete, where subject to damage.
- B. Intermediate Metal Conduit (IMC)
- 1. Construction, Materials, Codes, Standards:
    - a. Article 342 - NFPA 70.
    - b. Conduit shall be similar to rigid steel conduit except thinner wall.
    - c. Fittings shall be threaded hot-dipped galvanized and shipped with thread protectors. Set Screw or Die Cast Fittings are not acceptable.
    - d. Products shall comply with UL 1242.
  - 2. Permitted for use in the following locations:
    - a. Outdoor or Exterior (Exposed)
    - b. Indoors, Conditioned Spaces
    - c. Unconditioned Spaces
    - d. Underslab (Void Form Slab): not in contact with earth only as indicated on plan.
    - e. Underslab (Suspended Slab): only where indicated on plan.
  - 3. Prohibited Locations: Corrosive Environment, Underground, Underslab (Slab on Grade), Foundation Penetrations
  - 4. Specific Uses: Exposed exterior locations, Rooftops exposed to sunlight

- C. Electrical Metallic Tubing (EMT)
1. Construction, Materials, Codes, Standards:
    - a. Article 358 - NFPA 70.
    - b. EMT shall be made of hot-dip galvanized strip steel. The interior shall be coated with a corrosion-resistant lubricant for ease of wiring pulling.
    - c. Shall utilize steel insulated throat, set-screw connectors and steel set-screw couplings in all indoor conditioned spaces
    - d. Shall utilize steel insulated throat, threadless, watertight compression type connectors and steel threadless watertight compression type coupling in all non-conditioned spaces and in grout filled CMU walls
    - e. Products shall comply with UL 797 and ANSI C80.3
  2. Permitted for use in the following locations:
    - a. Indoors, Conditioned Spaces
    - b. Unconditioned Spaces
  3. Prohibited Locations: Corrosive Environment, Underground, Underslab (all types), Wet or Damp Locations, Exteriors, Within Concrete, foundation penetrations.
  4. Specific Uses: Primary use conduit for indoor spaces, where conditioned. Unconditioned locations shall require use of insulated throat water tight fittings.
- D. Rigid Nonmetallic Conduit (PVC Schedule 40 - 80)
1. Construction, Materials, Codes, Standards:
    - a. Article 352 and 300.6 - NFPA 70.
    - b. Conduit shall be schedule 40 or 80 polyvinyl chloride (PVC), UV stabilized, rated for 90 C conductors.
    - c. Fittings shall be solvent weld socket type.
    - d. Products shall comply with UL 651.
  2. Permitted for use in the following locations:
    - a. Underground (Earth, outside foundation perimeter)
    - b. Underslab (Slab on Grade): only where indicated on plan.
    - c. Under Driveways, roadways, or vehicular crossings, and where required by Utility Company. PVC Schedule 80
      - 1) PVC Schedule 40 allowed where concrete encased
  3. Prohibited Locations: return air Plenums, interstitial spaces, Outdoor or Exterior (Exposed), Unconditioned spaces, corrosive environments, underslab (suspended or void form), foundation penetrations.
  4. Specific Uses: For use underground or underslab (Slab on grade). Underground use is approved for all locations where traversing a project site, not underneath any foundation. For locations under the footprint of building foundation, use only authorized where indicated on drawings
- E. Flexible Metal Conduit (FMC/Greenfield)
1. Construction, Materials, Codes, Standards:
    - a. Article 348 - NFPA 70.
    - b. Spirally wound continuously interlocked zinc coated strip steel.
    - c. Fittings shall be one screw for smaller than 1-1/2-inch, two screw for 1-1/2-inch and larger, double clamp steel or malleable iron, either cadmium plated or hot-dip galvanized
    - d. Products shall comply with UL 360.
  2. Permitted for use in the following locations:
    - a. Indoors, Conditioned Spaces
  3. Prohibited Locations: outdoors/Exterior, unconditioned spaces, Corrosive, Wet, Concrete, underslab(all types), underground, foundation penetrations.
  4. Specific Uses and Applications: For use in connection to rotating equipment within conditioned spaces, including plenums. Also permitted for use with empty raceways in walls for use with Low Voltage, AV, telecom cabling
- F. Liquid-Tight Flexible Steel Conduit (LFMC/Seal Tite)

1. Construction, Materials, Codes, Standards:
    - a. Article 350 - NFPA 70.
    - b. Spirally wound continuously interlocked zinc coated strip steel with a UV stabilized polyvinyl chloride (PVC) outer jacket bonded to the conduit.
    - c. Fittings shall be compression type, malleable iron, with insulated throat, either cadmium plated or hot-dip galvanized. Plastic is not acceptable.
  2. Permitted for use in the following locations:
    - a. Outdoor or Exterior (Exposed)
    - b. Indoors, Conditioned Spaces
    - c. Unconditioned Spaces
  3. Prohibited Locations: Concrete, corrosive, underground, underslab (all types), foundation penetrations.
  4. Specific Uses and Applications: Primary use is connection to rotating equipment at unconditioned spaces. Transformer Primaries and Secondaries (excluding service transformer).
- G. PVC Coated Rigid Galvanized Steel Conduit (GRCC/Plastibond)
1. Construction, Materials, Codes, Standards:
    - a. Article 344 and 300.6 - NFPA 70.
    - b. Conduit shall be same as rigid metal conduit with a factory-applied 40-mil-thick covering of polyvinyl chloride (PVC) bonded to the metal, coated inside and outside.
  2. Permitted for use in the following locations:
    - a. Outdoor or Exterior (Exposed): except for stub-ups and penetrations.
    - b. Corrosive Environment: required throughout
      - 1) Where corrosive environments exist, such as pools, pool pump room, corrosive chemical storage, GRCC shall be provided throughout, up to the point of sealed penetration into a non-corrosive environment.
    - c. Underground (Earth, outside foundation perimeter): Required at bends of 15° or greater. Penetrations through concrete. Stub-ups through foundation or grade at concrete.
    - d. Foundation Penetrations
  3. Prohibited Locations: extended runs exposed to sunlight, Plenums, Underslab except for penetrations (all foundation types).
  4. Specific Uses: For use at Cooling Towers, Pools, Pool Decks, Pool pump rooms, chemical storage, corrosive environments.
- H. Rigid Aluminum Conduit (RAC)
1. Construction, Materials, Codes, Standards:
    - a. Article 344 - NFPA 70.
    - b. Rigid aluminum (alloy 6063-T1) conduit shall be manufactured using 6063 Alloy in temper designation T-1.
    - c. Fittings for rigid aluminum conduit shall be threaded aluminum shipped with thread protectors. Set Screw or Die Cast Fittings are not acceptable.
    - d. Products shall comply with UL 6A and ANSI C80.5.
  2. Permitted for use in the following locations:
    - a. Outdoor or Exterior (Exposed)
    - b. Indoors, Conditioned Spaces
    - c. Unconditioned Spaces
  3. Prohibited Locations: Corrosive environments, underground, within concrete, underslab (all types), foundation penetrations.
  4. Specific Uses and Applications: Exposed Exterior such as rooftops or canopies.

## 2.02 PULL BOXES

- A. Exterior in-ground pull boxes shall be concrete or polymer as manufactured by Brooks, Dalworth, Hubbell, uszite, or approved equivalent. Covers shall include identification of systems contained.

- B. Where located in Roadways, Parking Lots, or Traffic zones, Pullboxes shall be rated to accept a minimum 25,000 lb. load.
- C. All Pullboxes shall be sized based on NEC wire-bending requirements at each individual location.
- D. Covers shall include identification of systems contained, such as:
  - 1. Electrical
  - 2. Telecom
  - 3. Communications
  - 4. Others, as required.
- E. Pull boxes in pole bases shall be as manufactured by Carlon.
- F. Pullboxes shall be provided in all raceway systems upon exceeding the following conditions:
  - 1. The equivalent of 270° in conduit bends, or after (3) 90° bends.
  - 2. Any 400ft of linear conduit or duct bank continuous segments.
  - 3. Where required to make transitions to prevent the damaging of conductor insulation.

### 2.03 WIREWAYS

- A. Wireways shall be made of not less than 16-gauge sheet steel for 4 inch and 6 inch square sizes and 14 gauge steel for 8 inch and 12 inch square sizes. Couplings end plates, and knockouts shall be furnished as required. Each section of wireways shall be rigidly supported.
- B. The finish shall be ANSI-40 gray epoxy paint applied by a cathodic electrode position paint process over a corrosion resistant phosphate preparation for NEMA 1 wireways. Provide galvanized steel for NEMA 3R wireways. NEMA 3R wireways and auxiliary gutters are for horizontal mounting only.

### 2.04 BUSHINGS

- A. Provide nylon bushing on end of all low voltage cabling system conduits (sleeves, rough-ins, etc.).
- B. Provide Grounding Bushing as required in 26 05 26 - Grounding.

## PART 3 - EXECUTION

### 3.01 PROVIDE CONDUIT AS FOLLOWS

- A. GENERAL: The Drawings are diagrammatic and are intended to show the general location of outlets, devices, fixtures, and arrangement and control of circuits. The Contractor shall determine exact locations by actual measurement of the building or by reference to the Architectural Drawings.
- B. Raceways shall not be routed below or within slab-on-grade, foundations, or below grade of suspended slab structures, unless specifically noted or indicated otherwise on plan.
- C. EMT in sizes up to 4 inches when concealed or not exposed to damage and located indoors only. (EMT is not acceptable in wet and damp location.)
- D. MINIMUM SIZE: 3/4 inch.
- E. Flexible conduit of any type shall not be used except for connections to rotating or vibrating equipment, or where use for low voltage raceways. All conduit shall be provided as a rigid type conduit for homeruns, runs between termination boxes, outlets, etc.
- F. Fixture whips: Refer to 265119 for additional information.
- G. Of such size, and so installed that conductors may be drawn in without injury or excessive strain.
- H. Where entering panels, pull boxes, junction boxes, or outlet boxes, shall be secured in place with lock nuts inside and outside, and insulated bushings inside.
- I. Have Red seal type VCC or approved equal cable supports in risers, as required by NFPA 70. Have ends reamed after cutting and application of die.
- K. Keep conduit corked and dry during construction and swab out before conductors are pulled.

- L. Have bends and offsets made with approved tools. Bends or offsets in which the pipe is crushed or deformed shall not be installed.
- M. Have O . Gedney or approved equal expansion fittings where crossing building expansion joints.
- N. Fixtures in finished areas having suspended acoustical ceilings shall be connected to outlet boxes of lighting grid by flexible metal conduit; length not to exceed ten feet (six feet if using 3/8" manufactured fixture "whips").
- O. Outlet boxes in partitions shall never be set back-to-back. They shall be offset to prevent undue noise transmission from room to room.
- P. Each entire conduit system shall be installed complete before any conductors are drawn in. Every run of conduit shall be finished before covering up to guard against obstructions and omissions.
  - Sleeves shall be placed in the forms of concrete, masonry and fire rated walls, floor slabs and beams, for the passage of conduits. Sleeves should be set in place a sufficient time ahead of the concrete work so as not to delay the work. Sleeves shall be rigid galvanized steel with a minimum thickness of 1.07MM and set to extend 4" above slab.
- R. All pipe penetrations through walls and concrete floors shall be fire rated by applying USG Thermafiber in the space between the concrete and the pipe. The fire rating shall be additionally sealed by using 3M brand model CP 25 or 303 fire barrier caulk and putty. All fire rating material shall be installed in accordance with manufacturer s printed instructions.
- S. All conduit shall be cleaned and swabbed to remove all foreign matter and moisture prior to pulling wire and cable. All boxes in which conduits terminate shall be cleaned of all concrete mortar and other foreign matter.
- T. Provide #30 nylon pulling line in all conduits in which permanent wiring is not installed.
- U. All conduit shall be securely fastened and supported using hot galvanized malleable iron one-hole pipe straps, clamps, hanger or other means approved by the engineer. Supports shall be as required per NEC. Tie wire shall not be used as support or securing means. Support conduit independently of ceiling hanger wire. Use all thread rods to support outlet boxes, junction boxes and conduit.
- V. Contact the Architect and Engineer for an installation review before covering any below grade or above grade conduit.
- W. All new outlets shall be flush mounted. In remodeled areas where wall construction prohibits flush mounting, provide Hubbell 2400 series, unless noted otherwise. Verify exact location and routing with architect before installation.
- X. Contractor shall not penetrate waterproof barriers without using proper fitting to maintain barriers. This shall include exterior walls and slabs. Coordinate with Architect for proper methods.

### 3.02 CONDUIT ROUTING

- A. Conduit shall be concealed and by using the shortest practicable route between outlets, including where located on CMU walls.
- B. Conduit may be exposed in electrical and mechanical rooms, and central plants, or other industrial type facilities such as warehouses or production plants.
- C. Install risers, drops, offsets to avoid ductwork and structural components. Ductwork and structural systems shall take precedence to conduit.
- D. Any exposed and visible conduit shall be parallel and perpendicular based on the lines of the building (such as ceiling lines, wall blocking lines, or architectural feature lines) using structural systems to conceal conduit visibility at all opportunities.
- E. Concealed conduit shall be run in as direct manner as possible, using long bends. All bend radii shall be 12x conduit diameter. Condulets in lieu of elbows where ease of installation and appearance warrant their use – confirmation with architect is required for this use.

- F. Conduit shall be continuous, with no more than (4) quarter bends between terminals, cabinets, boxes, or pullboxes is acceptable. Contractor is expected to provide wireway or boxes at appropriate intervals, in accordance with NFPA 70 for wire bending space. All conduit shall be electrically continuous throughout, including across boxes and cabinets. Terminals of all conduit shall be provided with double lock nuts and bushing, or terminated on conduit hubs. Use of Running Threads prohibited.

### 3.03 CONDUIT CORROSION PROTECTION

- A. Branch circuit conduits installed in concrete slabs on fill or grade shall be positioned in a manner to ensure complete concrete cover. In no case shall such conduits be exposed below or above the slab surfaces, or penetrate the waterproof membrane.
- B. At locations where metallic conduits pass through slabs on grade or transitions below grade, PVC coated rigid galvanized conduit shall be used.
- C. Conduit installed in the air gap between the water-resistant barrier and finish brick shall not exceed 2-ft. in length.

### 3.04 EXPANSION JOINTS

- A. Install approved expansion fitting in all conduit runs in excess of 150 feet or when crossing building expansion joints.

### 3.05 OUTLET AND JUNCTION BOXES

- A. Provide an approved galvanized outlet box with adequate volume for number of conductors installed.
- B. Provide standard galvanized switch boxes of the required number of gangs. Switch boxes where conduit is exposed shall be handy boxes or approved equal.
- C. Outlet boxes for receptacles shall be similar to Universal 52151 with suitable raised cover. Receptacle boxes where conduit is exposed shall be handy boxes or approved equal.
- D. Weatherproof boxes shall be FS or FD. Provide these boxes in all non-conditioned areas, exterior areas and natatoriums.
- E. Outdoor boxes shall be NEMA 3R, with conduit connections made by Myers Hubs.
- F. See notes and details on Drawings for special box requirements.
- G. Provide junction boxes required to facilitate installation of the various conduit systems. Provide support boxes required for risers, each complete with approved cable supports as described elsewhere in this Division.
- H. Outlet boxes for drywall shall be standard galvanized 4 square boxes with the appropriate device cover. Secure all outlet boxes with a backing brace connected to two adjacent studs. Mounting brackets with a single ear to rest against the backing sheet rock are not acceptable.
- I. Provide floor outlet fittings for telephone to match fittings for duplex floor receptacles.
  - Provide 3-1/2" deep gangable masonry boxes in all masonry wall (CMU). Steel City GW-135-G or approved equal.
- K. Provide shallow 4"x4" boxes in all demountable partitions.
- L. Metallic boxes located in fire rated walls or partitions shall be separated by a minimum horizontal distance of 24 in. This minimum separation distance between metallic boxes may be reduced when "Wall Opening Protective Materials" (CLIV) are installed according to the requirements of their Classification. Metallic boxes shall not be installed on opposite side of walls or partitions of staggered stud construction unless "Wall Opening Protective Materials" are installed with the metallic boxes in accordance with Classification requirements for the protective materials.
- M. Junction, pull boxes, condulets, gutters, disconnects, contactors, etc., above 2-foot x 2-foot grid ceilings shall be mounted within 18-inches of ceiling grid. Above 2-foot x 4-foot grid ceiling they shall be mounted within 30-inches of ceiling grid. All junction box, pull box, gutter openings shall be side or bottom accessible.

- N. Junction boxes are prohibited above drywall or plaster ceilings except for lighting; and those must be mounted directly over light fixture opening. Route power, PA, fire alarm conduits to nearest lay-in ceiling.

### 3.06 THRU-WALL SEALS

- A. Provide O. Gedney "Thru-wall" seals for all conduits passing through concrete structure below grade, above grade, and floor penetrations below grade. These prevent moisture from entering the building.
- B. Straight sleeves are not acceptable.

### 3.0 PULL BOXES

- A. Interior Pull boxes shall be provided for conduit systems as required and shall be constructed of galvanized steel of not less than gauge and size specified by National Electrical Code. Size pull boxes per Article 314.26 - NFPA 70.
- B. Where two or more feeders pass through a common pull box, they shall be tagged to indicate clearly their electrical characteristics, circuit number, and panel designation.
- C. Exterior in-ground pull boxes shall have open bottoms with sand and rock beds below box for drainage of water. Provide closed bottom boxes where specified. Closed bottom boxes shall be provided with sumps for portable pump to allow for extracting water. Refer to details on the drawings.
- D. Pull boxes mounted in pole bases shall be coordinated with the pour of the pole base and shall be flush with finished footing.

### 3.08 WIREWAYS

- A. Wireways shall be installed as indicated or required and locations shall be coordinated with architect.
- B. Wiring in wireways shall be neatly bundled, tied and suitably tagged.

### 3.0 UNDERGROUND DUCTBAN SYSTEM

#### A. DUCT SYSTEM

1. The duct system shall consist of Schedule 40 PVC or type 1-EB PVC conduits encased in <> concrete as detailed on the drawings. Use rigid conduit for stub-ups and the last ten feet at the end of each ductbank. Duct lines shall be laid to a minimum grade of 4 inches per 100 feet and shall be free from either horizontal or vertical waves. Duct lines shall be straight unless otherwise noted on the drawings. Duct lines shall be installed so that the top of concrete in encased duct lines is not less than 24 inches below finished grade or finished paving at any point. Changes in direction or runs exceeding a total of 10 degrees, either vertical or horizontal, shall be accomplished by long sweep bends having a minimum radius of curvature of 5 feet. The long sweep bends may be made up of one or more curved or straight sections and/or combinations thereof using five degree angle couplings. Conduit shall be thoroughly cleaned before using or laying. During construction and after the duct line is completed, the ends of the conduit shall be plugged to prevent water washing mud into the conduits. Particular care shall be taken to keep the conduits clean of concrete, dirt, and any other substance during the course of construction.
2. Each single conduit of the duct bank shall be completely encased in steel reinforced concrete as indicated. The thickness of concrete encasement indicated is the minimum thickness, and may be increased to fit the actual shape of trench.
3. Concrete for duct bank envelopes shall be standard 2000 psi concrete mix as described in Division 03, <>.

- a. Envelopes may be poured directly against sides of trenches if the cut is clean, even and free of loose material. All loose dirt and extraneous material shall be removed from the trenches before and during the pouring of concrete to ensure sound envelopes. Concrete shall be carefully spaded during pouring to eliminate all voids under and between the conduit and honeycombing of the exterior surfaces. Power driven tampers or agitators shall not be used, unless specifically designed for the application, in order to ensure that the water-tightness of the conduits is not destroyed.
  - b. Generally, each run of envelopes shall be poured in one continuous operation. Where more than one pour is necessary, each pour shall terminate in a vertical plane. Partial pours shall not terminate in horizontal or angular planes.
- B. For normal underground installation see Section 26 02 00, paragraph 3.1 for Excavating and Backfilling.

**END OF SECTION**

## SECTION 26 05 3 - SHORT CIRCUIT COORDINATION STUDY ARC FLASH HAZARD ANALYSIS

### PART 1 - GENERAL

#### 1.01 SCOPE

- A. The Contractor shall furnish short-circuit and protective device coordination studies for the electrical power system, including all existing and newly installed electrical equipment. The analysis and study shall include all distribution branches, and begin at the main overcurrent protective device.
- B. Provide a complete short circuit study, equipment interrupting or withstand evaluation, and protective device coordination study for the power distribution system. Normal operating method, alternate operation, and operations which could result in maximum fault conditions shall be thoroughly addressed in the study. The study shall assume all motors operating at rated voltage and speed. Electrical equipment bus impedance shall be assumed as zero. Short circuit momentary duties and interrupting duties shall be calculated on the basis of maximum available fault current at the switchboard busses and motor control centers (where installed).
- C. A protective device coordination study shall be performed to determine appropriate relay settings. The study shall include all distribution switchboards, motor control centers (where installed), and panel board main circuit breakers. Panel board branch circuit devices need not be considered. The phase over current and ground fault protection shall be included as well as setting for all other adjustable protective devices.
- D. An equipment evaluation study shall be performed to determine the adequacy of circuit breakers, controllers, surge arresters, busways, switches, and fuses by tabulating and comparing the short circuit ratings of these devices with the available fault currents.
- E. Any problem areas or inadequacies shall be promptly brought to the ENGINEERS attention.
- F. The Contractor shall furnish an Arc Flash Hazard Analysis Study per NFPA 70E - Standard for Electrical Safety in the Workplace, reference Article 130.5 and Annex D.

#### 1.02 REFERENCES

- A. Institute of Electrical and Electronics Engineers, Inc. (IEEE):
  - 1. IEEE 141 - Recommended Practice for Electric Power Distribution and Coordination of Industrial and Commercial Power Systems
  - 2. IEEE 242 - Recommended Practice for Protection and Coordination of Industrial and Commercial Power Systems
  - 3. IEEE 399 - Recommended Practice for Industrial and Commercial Power System Analysis
  - 4. IEEE 241 - Recommended Practice for Electric Power Systems in Commercial Buildings
  - 5. IEEE 1015 - Recommended Practice for Applying Low-Voltage Circuit Breakers Used in Industrial and Commercial Power Systems
  - 6. IEEE 1584 - Guide for Performing Arc Flash Hazard Calculations
- B. American National Standards Institute (ANSI):
  - 1. ANSI C57.12.00 - Standard General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers
  - 2. ANSI C37.13 - Standard for Low Voltage AC Power Circuit Breakers Used in Enclosures
  - 3. ANSI C37.010 - Standard Application Guide for AC High Voltage Circuit Breakers Rated on a Symmetrical Current Basis
  - 4. ANSI C37.41 - Standard Design Tests for High Voltage Fuses, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches and Accessories
- C. The National Fire Protection Association (NFPA)
  - 1. NFPA 70 - National Electrical Code, latest edition
  - 2. NFPA 70E - Standard for Electrical Safety in the Workplace

### 1.03 SUBMITTALS FOR REVIEW APPROVAL

- A. The short-circuit and protective device coordination studies shall be submitted to the design Engineer prior to receiving final approval of the distribution equipment shop drawings and/or prior to release of equipment drawings for manufacturing. If formal completion of the studies may cause delay in equipment manufacturing, approval from the Engineer may be obtained for preliminary submittal of sufficient study data to ensure that the selection of device and characteristics will be satisfactory.

### 1.04 SUBMITTALS FOR CONSTRUCTION

- A. The results of the short-circuit, protective device coordination and arc flash hazard analysis studies shall be summarized in a final report. No more than five (5) bound copies of the complete final report shall be submitted. For large system studies, submittals requiring more than five (5) copies of the report will be provided without the section containing the computer printout of the short-circuit input and output data. Additional copies, where required, shall be provided on CD in PDF format.
- B. The report shall include the following sections:
  1. One-line diagram
  2. Descriptions, purpose, basis and scope of the study
  3. Tabulations of circuit breaker, fuse and other protective device ratings versus calculated short circuit duties
  4. Protective device time versus current coordination curves, tabulations of relay and circuit breaker trip unit settings, fuse selection
  5. Fault current calculations including a definition of terms and guide for interpretation of the computer printout
  6. Incident energy and flash protection boundary calculations
  7. Recommendations for system improvements, where needed
  8. Executive Summary
  9. Equipment manufacturer's information used to prepare study
  10. Assumptions made during study.

### 1.05 QUALIFICATIONS

- A. The short-circuit, protective device coordination and arc flash hazard analysis studies shall be conducted under the supervision and approval of a Registered Professional Electrical Engineer skilled in performing and interpreting the power system studies. The Registered Professional Electrical Engineer shall be a full-time employee of the Engineering Services Organization.

## PART 2 - PRODUCT

### 2.01 DATA COLLECTION

- A. The Contractor shall furnish all data as required by the power system studies. The Engineer performing the short-circuit, protective device coordination and arc flash hazard analysis studies shall furnish the Contractor with a listing of required data immediately after award of the contract. The Contractor shall expedite collection of the data to assure completion of the studies as required for final approval of the distribution equipment shop drawings and/or prior to the release of the equipment for manufacturing.
- B. Source combination may include present and future motors and generators.
- C. Load data utilized may include existing and proposed loads obtained from Contract Documents provided by Owner or Contractor.
- D. Include fault contribution of existing motors in the study, with motors <100 hp grouped together. The Contractor shall obtain required existing equipment data, if necessary, to satisfy the study requirements.

### 2.02 SHORT-CIRCUIT AND PROTECTIVE DEVICE EVALUATION STUDY

- A. Use actual conductor impedances if known. If unknown, use typical conductor impedances based on IEEE 141.
- B. Transformer design impedances shall be used when test impedances are not available.

- C. Provide the following:
  - 1. Calculation methods and assumptions
  - 2. Selected base per unit quantities
  - 3. One-line diagram of the system being evaluated
  - 4. Source impedance data, including electric utility system and motor fault contribution characteristics
  - 5. Typical calculations
  - 6. Tabulations of calculated quantities
  - 7. Results, conclusions, and recommendations
- D. Calculate short-circuit momentary and interrupting duties for a three-phase bolted fault at each:
  - 1. Electric utility's supply termination point
  - 2. Incoming switchgear
  - 3. Low voltage switchgear
  - 4. Motor control centers
  - 5. Branch circuit panelboards
  - 6. Other significant locations throughout the system.
- E. For grounded systems, provide a bolted line-to-ground fault current study for areas as defined for the three-phase bolted fault short-circuit study.
- F. Protective Device Evaluation:
  - 1. Evaluate equipment and protective devices and compare to short circuit ratings
  - 2. Adequacy of switchgear, motor control centers, and panelboard bus bars to withstand short-circuit stresses
  - 3. Adequacy of transformer windings to withstand short-circuit stresses
  - 4. Cable and busway sizes for ability to withstand short-circuit heating
  - 5. Notify Owner in writing of any new or existing circuit protective devices improperly rated for the calculated available fault current.

**2.03 PROTECTIVE DEVICE COORDINATION STUDY**

- A. Proposed protective device coordination time-current curves shall be graphically displayed on log-log scale paper.
- B. Include on each curve sheet a complete title and one-line diagram with legend identifying the specific portion of the system covered.
- C. Terminate device characteristic curves at a point reflecting maximum symmetrical or asymmetrical fault current to which device is exposed.
- D. Identify device associated with each curve by manufacturer type, function, and, if applicable, tap, time delay, and instantaneous settings recommended.
- E. Plot the following characteristics on the curve sheets, where applicable for this project:
  - 1. Electric utility's protective device
  - 2. Medium and low voltage fuses including manufacturer's minimum melt, total clearing, tolerance, and damage bands
  - 3. Low voltage equipment circuit breaker trip devices, including manufacturer's tolerance bands
  - 4. Transformer full-load current, magnetizing inrush current, and ANSI transformer withstand parameters
  - 5. Conductor damage curves
  - 6. Ground fault protective devices, as applicable
  - 7. Pertinent motor starting characteristics and motor damage points
  - 8. Other system load protective devices for the largest branch circuit and the largest feeder circuit breaker in each motor control center.
- F. Provide adequate time margins between device characteristics such that selective operation is provided, while providing proper protection.

#### 2.04 ARC FLASH HAZARD ANALYSIS

- A. The arc flash hazard analysis shall be performed according to the IEEE 1584 equations that are presented in NFPA 70E, Annex D.
- B. When appropriate, the short circuit calculations and the clearing times of the phase overcurrent devices will be retrieved from the short-circuit and coordination study model. Alternative methods shall be presented in the proposal.
- C. The flash protection boundary and the incident energy shall be calculated at all significant locations in the electrical distribution system (switchboards, switchgear, motor-control centers, panelboards, busway and splitters) where work could be performed on energized parts.
- D. The Arc-Flash Hazard Analysis shall include all significant locations in 240 volt and 208 volt systems fed from transformers equal to or greater than 75 kVA.
- E. Safe working distances shall be specified for calculated fault locations based upon the calculated arc flash boundary considering an incident energy of 1.2 cal/cm<sup>2</sup>.
- F. The Arc Flash Hazard analysis shall include calculations for maximum and minimum contributions of fault current magnitude. The minimum calculation shall assume that the utility contribution is at a minimum and shall assume a minimum motor load. Conversely, the maximum calculation shall assume a maximum contribution from the utility and shall assume motors to be operating under full-load conditions.
- G. Arc flash computation shall include both line and load side of main breaker calculations, where necessary.
- H. Arc Flash calculations shall be based on actual overcurrent protective device clearing time. Maximum clearing time will be capped at 2 seconds based on IEEE 1584 section B.1.2.

#### 2.05 REPORT SECTIONS

- A. Input Data:
  - 1. Short-circuit reactance of rotating machines
  - 2. Cable and conduit materials
  - 3. Transformers
  - 4. Circuit resistance and reactive values.
- B. Short-Circuit Data:
  - 1. Source fault impedance and generator contributions
  - 2. X to R ratios
  - 3. Asymmetry factors
  - 4. Motor contributions
  - 5. Short circuit kVA
  - 6. Symmetrical and asymmetrical fault currents.
- C. Recommended Protective Device Settings:
  - 1. Phase and Ground Relays:
    - a. Current transformer ratio
    - b. Current setting
    - c. Time setting
    - d. Instantaneous setting
    - e. Specialty non-overcurrent device settings
    - f. Recommendations on improved relaying systems, if applicable
  - 2. Circuit Breakers:
    - a. Adjustable pickups and time delays (long time, short time, ground)
    - b. Adjustable time-current characteristic
    - c. Adjustable instantaneous pickup
    - d. Recommendations on improved trip systems, if applicable
- D. Incident energy and flash protection boundary calculations
  - 1. Arcing fault magnitude
  - 2. Device clearing time

3. Duration of arc
4. Arc flash boundary
5. Working distance
6. Incident energy
7. Hazard Risk Category
8. Recommendations for arc flash energy reduction

### **PART 3 - EXECUTION**

#### **3.01 FIELD ADJUSTMENT**

- A. The Contractor shall adjust relay and protective device settings according to the recommended settings table provided by the coordination study. Field adjustments shall be completed by the engineering service division of the equipment manufacturer under the Startup and Acceptance Testing contract portion.
- B. Make minor modifications to equipment as required to accomplish conformance with short circuit and protective device coordination studies.
- C. Notify Owner in writing of any required major equipment modifications.
- D. Following completion of all studies, acceptance testing and startup by the field engineering service division of the equipment manufacturer, a 2-year warranty shall be provided on all components manufactured by the engineering service parent manufacturing company.

#### **3.02 ARC FLASH WARNING LABELS**

- A. The vendor shall provide a 3.5 in. x 5 in. thermal transfer type label of high adhesion polyester for each work location analyzed.
- B. The label shall have an orange header with the wording, "WARNING, ARC FLASH HAZARD", and shall include the following information:
  1. Location designation
  2. Nominal voltage
  3. Flash protection boundary
  4. Hazard risk category
  5. Incident energy
  6. Working distance
  7. Engineering report number, revision number and issue date.
- C. Labels shall be machine printed, with no field markings.
- D. Arc flash labels shall be provided in the following manner and all labels shall be based on recommended overcurrent device settings.
  1. For each 600, 480 and applicable 208 volt panelboards, one arc flash label shall be provided.
  2. For each motor control center, one arc flash label shall be provided.
  3. For each low voltage switchboard, one arc flash label shall be provided.
- E. Labels shall be field installed by the engineering service division of the equipment manufacturer under the Startup and Acceptance Testing contract portion.

#### **3.03 ARC FLASH TRAINING**

- A. The equipment vendor shall train personnel of the potential arc flash hazards associated with working on energized equipment (minimum of 4 hours). Maintenance procedures in accordance with the requirements of NFPA 70E shall be provided in the equipment manuals. The training shall be certified for continuing education units (CEUs) by the International Association for Continuing Education Training (IACET).

**END OF SECTION**

## SECTION 26 21 13 - ELECTRICAL SERVICE ENTRANCE

### PART 1 - GENERAL

#### 1.01 GENERAL REQUIREMENTS

- A. The requirements of the General Conditions and Supplementary Conditions apply to all work herein.
- B. Power company fees shall be paid by Owner.
- C. Provide electrical service to comply with contract documents and the power company standards.

#### 1.02 SCOPE

- A. RELATED WORK:
  - 1. Basic Electrical Materials and Methods.
  - 2. Earthwork
  - 3. Division 1
- B. Permanent Power: Contractor shall coordinate with the power company to provide electrical service to the building or campus as shown on the drawings. Contractor shall coordinate with power company and submit all required documentation; and shall establish the sequence of work to obtain permanent power.
- C. Temporary Power: Provided by the contractor.

#### 1.03 PERMITS CODES LAWS AND ORDINANCES

- A. NFPA-70, NEC, State and local.

#### 1.04 MINIMUM COMPLIANCE STANDARDS

- A. Easements required by power company
- B. Duct bank required by power company.

### PART 2 - PRODUCTS

#### 2.01 ELECTRICAL SERVICE

- A. SERVICE TRANSFORMER: Exterior Pad Mounted.
- B. Terminal pole shall be provided by the power company.
- C. POWER COMPANY: Power company serving this region.
- D. SOURCE VOLTAGE: 480Y/277 volt, three phase, four wire system.

#### 2.02 METERS

- A. Provide metering as required by Electric Utility Company Standards and requirements which may include self-contained meters and sockets, current transformers (CT's) and CT enclosures, bussed CT enclosures, transockets, meter modules, and bussed gutters and meter assemblies.

### PART 3 - EXECUTION

#### 3.01 SERVICE LATERAL

- A. Route service lateral underground to main service disconnect.

#### 3.02 COORDINATION

- A. Confirm with power company exact locations of service entry and other requirements.
- B. Provide all service laterals, whether above ground or below ground, in accordance with utility company engineered drawings. Information shown on contract documents may vary slightly from utility company engineered drawings and all utility company drawings and specifications shall supersede these contract drawings.
- C. All electrical service infrastructure, up to the point of delivery, shall be installed per utility company standards. Plans and details included in these contract documents do not depict exact installation details as they may be required by the utility company.

**3.03 CONCRETE PADS**

- A. Provide steel reinforced concrete pads with leave outs for conduits to comply with power company standards. Refer to Basic Materials and Methods.

**3.04 INSTALLATION**

- A. Provide Primary ductbank, sand-bed, conduit spacers and straps
- B. Provide concrete encased secondary service lateral ductbank, including any and all steel reinforcement, conduit spacers and straps
- C. All unmetered conductors shall be installed in rigid steel conduit, where installed above grade.

**3.05 STEEL STRUCTURES**

- A. Provide galvanized steel structure embedded in concrete to support metering equipment and disconnect switches.

**END OF SECTION**

## SECTION 26 24 16 - PANELBOARDS

### PART 1 - GENERAL

#### 1.01 SCOPE

- A. Provide panelboards as shown, scheduled and as specified herein.
- B. The types of panelboards include:
  - 1. Panelboards
  - 2. Load centers

#### 1.02 REFERENCE STANDARDS

- A. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having jurisdiction, Including All Applicable Amendments and Supplements
- B. UL 50 - Enclosures for Electrical Equipment, Non-Environmental Considerations, Current Edition, Including All Revisions
- C. UL 67 - Panelboards, Current Edition, Including All Revisions.
- D. UL 943 - Ground fault Circuit Interrupters
- E. NEMA PB 1 - Panelboards
- F. NEMA PB 1.1 - General Instructions for Proper Installation, Operation and Maintenance of Panelboards Rated 600 Volts or Less
- G. NEMA, ABL, Molded Car Circuit Breakers and Molded Case Switches
- H. Federal Spec W-P 115, Rev C, Panel, Power Distribution
- I. NEMA KSI, Enclosed and Miscellaneous Distribution Equipment Switches (600V)

#### 1.03 ACCEPTABLE MANUFACTURERS

- A. Provide one of the following manufacturers:
  - 1. General Electric Company/ABB
  - 2. Square D Company
  - 3. Siemens
  - 4. Eaton

#### 1.04 SUBMITTALS

- A. Shop drawings shall include, but not be limited to:
  - 1. Cutsheets of all enclosures, circuit breakers, fusible switches, bussing, rating, schedules and all accessories clearly labeled.

#### 1.05 REQUIREMENTS OF REGULATORY AGENCIES

- A. WORK IN ACCORDANCE WITH:
  - 1. NFPA 70
  - 2. Local, municipal, or state codes that have jurisdiction.

### PART 2 - PRODUCTS

#### 2.01 MATERIALS AND COMPONENTS

- A. General
  - 1. Provide power distribution and panelboards as indicated in the panelboard schedule and as shown on the plans. <-> . Power distribution panelboards shall be equipped with fusible switches or circuit breakers as shown on the schedule. Panelboards shall be equipped with thermal-magnetic, molded case circuit breakers of frame and trip ratings as shown on the schedule.
- B. Bussing Assembly and Temperature Rise

1. Panelboard bus structure and main lugs or main breaker shall have current ratings as shown on the panelboard schedule. Such ratings shall be established by heat rise tests with maximum hot spot temperature on any connector or bus bar not to exceed 65 C. rise above 40 C ambient. Heat rise test shall be conducted in accordance with Underwriters Laboratories Standard UL 67. The use of conductor dimensions will not be accepted in lieu of actual heat tests. All current carrying parts of the bus shall be tin or silver plated copper.
  2. Bus structure shall be isolated. Bus bar connections to the branch circuit breakers shall be distributed phase or phase sequence type and shall accept bolt-on circuit breakers for lighting and appliance panelboards.
  3. The lugs for terminating conductors shall be rated at 75 C on all panel boards and circuit breakers.
  4. Provide a non-insulated bare copper ground bus. Provide an isolated ground copper bus in each panel serving isolated ground circuits as indicated on panel schedule or one-line diagram. Provide a full size copper neutral bus in each panelboard enclosure. Provide a 200 neutral buss when served by a harmonic mitigating transformer and any K4 or higher rated transformers.
- C. 480/277 Volt Panelboards
1. Main breakers shall be vertically mounted. Branch mounted main breakers are not acceptable. Provide electronic trip mains with long term, short term and instantaneous trips as indicated on drawings and required for selective coordination.
  2. Circuit breakers shall be bolt-on thermal-magnetic, molded case circuit breakers. Breakers shall be 1, 2 or 3 pole with an integral crossbar to assure simultaneous opening of all poles in multiple circuit breakers. Breaker shall have an over-center, trip-free, toggle-type operating mechanism with quick-make, quick-break action and positive handle indication. Handles shall have "ON", "OFF" and "TRIPPED" positions. Circuit breakers shall be UL listed in accordance with UL Standard 489 and shall be rated 277 volt ac (single pole, 15-30 amperes) or 480Y/277 volts ac (2 and 3 pole) with continuous current ratings as noted on the plan. Interrupting ratings shall be a minimum of 18,000 rms symmetrical amperes at 277 volts ac (single pole) or 480Y/277 volts ac (2 and 3 pole) unless otherwise noted on plans.
- D. Cabinets and Fronts
1. The panelboard bus assembly shall be enclosed in a steel cabinet. The rigidity and gauge of steel to be as specified in UL 50 for cabinets. Wiring gutter space shall be in accordance with UL 67 for panelboards. The box shall be fabricated from galvanized steel or equivalent rust resistant steel. Provide stainless steel front cover for all panels located in all Pool Equipment rooms, Food Labs, Snack Bars, Culinary Arts, Kitchens and Life Skills rooms. All NEMA-1 panels shall have hinged front covers. The front cover shall have a door with hinges, latch and a lock. The piano hinged front covers door-in-door shall allow full access to the circuit breaker gutter area without having to remove the entire front cover. All panelboard lock shall be keyed alike. Circuit breaker and fusible distribution panels shall have four-piece trims. A welded circuit directory frame and card with a clear plastic covering shall be provided on the inside of the door. Provide NEMA 1 enclosure where installed indoors unless otherwise noted. Provide NEMA 3R enclosure where installed outside or in a sprinkled area.
- E. Safety Barrier
1. The distribution panelboard interior assembly shall be dead front with panelboard cover removed. Main lugs or main breakers shall have a barrier. The barrier in front of the main lugs shall be hinged to a fixed part of the interior. The end of the bus structure opposite the mains shall have barriers.
- F. Integrated Equipment Short Circuit Rating

1. Each panelboard, as a complete unit, shall have a short circuit current rating equal to or greater than the integrated equipment rating shown on the panelboard schedule or on the plans. This rating shall be established by testing with the over-current devices mounted in the panelboard. The short circuit tests on the over-current devices and on the panelboard structure shall be made simultaneously by connecting the fault to each over-current device with the panelboard connected to its rated voltage source. Method of testing shall be per UL 67. The source shall be capable of supplying the specified panelboard short circuit current or greater. Testing of panelboard over-current devices for short circuit rating only while individually mounted is not acceptable. Also, testing of the bus structure alone is not acceptable. Panelboards shall be marked with their maximum short circuit current rating at the supply voltage and shall be UL listed.

**G. Load Centers**

1. Provide load centers where indicated.
2. Load centers shall have mains ratings and branch circuit breaker ratings of the size and number as indicated on drawings. Load centers shall be plug-on type construction. All current carrying parts of the bus assembly shall be plated copper. Terminals for feeder conductors to mains and branch neutral shall be UL listed as suitable for the type conductor specified. The load center bus assembly shall be enclosed in steel cabinet. The size of the wiring gutters and gauge steel shall be in accordance with UL 50 and UL 67. Fronts shall include door and be provided with a directory for circuit identification. Load center boxes and fronts shall have corrosion resisting phosphate treatment and a gray baked enamel finish. Load centers shall be UL listed and meet Federal Specification W-P-115B as Type I, Class 2.
3. All breakers shall be full width, plug-on-type, toggle action with quick-make, quick-break mechanism. Provide Square D "Q", GE "TH L" breakers or approved equal. Piggy-back or half width breakers are not acceptable. Trip indication shall be clearly shown by the breaker handle taking a position between "ON" and "OFF" when the breaker is tripped. All multi-pole breakers shall be single operating handle, common trip variety. Branch circuit breakers feeding convenience outlets shall have sensitive, instantaneous trip in order to give "flash protection" for frayed, stranded wire cords. WIK-GARD circuit breakers with ground fault circuit interrupters shall be used in accordance with the National Electrical Code. Circuit breakers shall be UL listed and meet the requirements of Federal Specification W-C-375B/GEN, Class 1. Provide ARC Fault circuit interrupter breaker to comply with 210.12 of the NEC.
4. Provide Surge Protection Device with a minimum of 100 kA.

**PART 3 - EXECUTION**

**3.01 INSTALLATION**

- A. General: Install panelboards, including electrical connections, in accordance with manufacturers written instructions, NFPA 70 and recognized industry practices.
- B. All panels shall be mounted to unistrut. Unistrut shall be securely mounted to the floor and structural ceiling. Toggle bolts or anchor bolts attached to drywall is not acceptable.
- C. Housekeeping Pads: Mount floor mounted panelboards on 4 inch high concrete housekeeping pads.
- D. Fuses: Install fuses of the rating and class as shown in each fusible distribution panel scheduled on drawings.
- E. Conduits: Stub up three one inch conduits to an accessible location above the ceiling for each recessed panelboard.

**3.02 IDENTIFICATION**

- A. Nameplate: Each panelboard shall have an engraved bakelite nameplate. Nameplates shall be white with black letters and show panel designation. Nameplates shall be attached with stainless steel screws. Refer to Section 26 02 00, paragraph 2.8(C).

- B. Directory Card: Cardholders and directory cards shall be furnished for circuit identification in panelboards. Cardholder shall be located on inside of panel door and shall be in a metal frame with clear plastic front. Circuit lists shall be typewritten. Circuit descriptions shall include location and name of each item of equipment served. Spares and spaces shall be written in erasable pencil for future use. Circuit directory shall show the room served by each circuit. The final graphs/signage room numbers shall be used. Do not use Architectural numbering on plans.
- C. Replacement Components: Where circuit breakers or fuses are applied in compliance with the series combination ratings marked on the equipment by the manufacturers, the equipment enclosure(s) shall be legibly marked in the field to indicate the equipment has been applied with a series combination rating. The marking shall be readily visible and state - caution - Series Rated System. (NEC 110-22). Nameplate shall also identify replacement components.
- D. Replacement Components: Nameplate shall identify replacement components.

### 3.03 INFRARED SCANNING

- A. After Substantial Completion by not more than 2 months after Final Acceptance, perform an infrared scan of each panelboard. Remove fronts if not equipped with viewing ports to make joints and connections accessible to a portable scanner. Submit a copy the owner and engineer for review. If O M manuals are submitted prior to performance of infrared scan, contractor shall submit a signed letter to verify the scan has been arranged. Letter shall indicate the scan provider and the date it will be performed.

**END OF SECTION**

## SECTION 26 2 26 - WIRING DEVICES

### PART 1 - GENERAL

#### 1.01 SCOPE

- A. Provide wiring devices as shown, scheduled, required and as specified.
- B. The types of wiring devices required include:
  - 1. Receptacles
  - 2. Coverplates

#### 1.02 REFERENCE STANDARDS

- A. FS W-C-596 - Connector, Electrical, Power, General Specification for; 2014th, with Amendments (2017)
- B. FS W-S-896 - Switches, Toggle (Toggle and Lock), Flush Mounted (General Specification); 2014g, with Amendment (2017)
- C. NEMA WD 1 - General Color Requirements for Wiring Devices; 1999 (Reaffirmed 2020)
- D. NEMA WD 6 - Wiring Devices - Dimensional Specifications; 2021.
- E. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, including All Applicable Amendments and Supplements.
- F. UL 20 - General-Use Snap Switches; Current Edition, Including All Revisions.
- G. UL 498 - Attachment Plugs and Receptacles; Current Edition, Including All Revisions.
- H. UL 943 - Ground-Fault Circuit-Interrupters; Current Edition, Including All Revisions.
- I. UL 1310 - Class 2 Power Units; Current Edition, Including All Revisions.
- UL 1699 - Arc-Fault Circuit-Interrupters; Current Edition, Including All Revisions.

#### 1.03 QUALITY ASSURANCE

- A. All wiring devices shall comply with NEMA WD 1 and NEMA WD 6 as well as FS W-C-596 and FS W-S-896 as applicable.
- B. All switches shall comply with UL 20 as applicable.
- C. All receptacles shall comply with UL 498 as applicable.
- D. All GFCI receptacles shall comply with UL 943.
- E. All USB charging receptacles shall comply with UL 1310.
- F. All AFCI receptacles shall comply with UL 1699.

#### 1.04 ACCEPTABLE MANUFACTURERS

- A. Hubbell
- B. Leviton
- C. Pass Seymour

#### 1.05 SUBMITTALS

- A. Shop drawings shall include but not be limited to:
  - 1. Cut sheets of all devices indicating NEMA configuration, rating, materials, color, and all accessories.
  - 2. Cut sheets of all coverplates indicating materials, color and any engraving specified on drawing or in the specifications.

#### 1.06 REQUIREMENTS OF REGULATORY AGENCIES WORK IN ACCORDANCE WITH

- A. National Electric Code
- B. Local, municipal, or state codes that have jurisdiction.

**PART 2 - PRODUCTS**

**2.01 MATERIALS AND COMPONENTS**

**A. GENERAL**

1. Provide factory assemble wiring devices with the rating type and color as required and specified for the service indicated.
2. Provide matching one-piece multiple gang plates where switches are ganged.
3. Provide wall plates for each receptacle furnished.
4. Architect reserves the right to select wiring device styles and colors to match wall finish.
5. Wall plates shall be of same manufacturer as devices.

**2.02 RECEPTACLES**

- A. Provide specification grade White receptacles where indicated on the drawings. Provide "Red" receptacles for receptacles on emergency power. Coordinate exact location with architect.

1. Receptacles shall be Hubbell, Leviton or Pass Seymour as follows:

<b>CONVENTIONAL RECEPTACLES</b>	<b>HUBBELL</b>	<b>LEVITON</b>	<b>P S</b>
HEAVY DUTY BRASS MOUNTING YOKE NEMA 5-20R DUPLEX	HBL5352	5362	5362
HEAVY DUTY BRASS MOUNTING YOKE NEMA 5-20R SIMPLEX	HBL5361	5361	5361
ISOLATED GROUND 20A, 125V ORANGE NEMA 5-20R DUPLEX	IG5352	5362IG	IG5362
CLOCK HANGER 15A-125V BROWN WITH STAINLESS STEEL PLATE WITH HANGER	HBL5235	5361-CH	S3733-SS
GFCI DUPLEX 20A, 125V SELF TESTING, FEED THRU CAPABLE, TAMPER RESISTANT FOR LOCATIONS RE UIRING TAMPER RESISTANT INSTALLATION OR AS INDICATED ON THE DRAWINGS	GFRST20	GFTR2	2097TR
GFCI DUPLEX 20A, 125V SELF TESTING, FEED THRU CAPABLE, TAMPER/WEATHER RESISTANT FOR INSTALLATION IN DAMPWET LOCATION OR AS INDICATED ON THE DRAWINGS	GFTWRST20	GFWR2	2097TRWR
HEAVY DUTY TAMPER RESISTANT BRASS MOUNTING YOKE	HBL5362WTR	5362-SG	---
TAMPER RESISTANT 20A, 125V DUPLEX SURGE PROTECTION 20A, 125V DUPLEX, BLUE NEMA 5-20R WITH AUDIBLE ALARM	BR20WHITR	8300-SG	TR63-H
USB CHARGER TYPE DUPLEX 20A, 125V TAMPER RESISTANT, DUAL USB TYPE A PORTS MIN. OF 5A USB OUTPUT, TAMPER RESISTANT	HBL5362SA	7380-B	5362SP
PLUG LOAD CONTROLLED RECEPTACLES 20A, 125V TAMPER RESISTANT WITH TWO CONTROLLED FACES	USB20A5x 5A OUTPUT	T5832 3.6A OUTPUT	2097TRUSBA4 2.1A OUTPUT
PLUG LOAD CONTROLLED RECEPTACLES 20A, 125V TAMPER RESISTANT WITH ONE CONTROLLED FACE	BR20C2WHITR	TBR20-S2W	TR5362COW
ARC FAULT CIRCUIT INTERRUPTER RECEPTACLES	BR20C1WHITR	TBR20-S1W	TR5362CHW
	AF20TRW	AFTR2-W	AF202TRW

EL Paso ISD - Austin HS - Sports  
Lighting Replacement

26 27 26 - 2

Wiring Devices

GROUND FAULT CIRCUIT INTERRUPTER /      AFGF20TR      AGTR2-W      AFGF202TR  
ARC FAULT DUAL FUNCTION

**2.03 COVERPLATES**

- A. Furnish and install coverplates on all outlet boxes. Oversize (umbo) coverplates are not acceptable.
- B. Coverplates shall be 302/304 smooth stainless steel.
- C. Provide Hubbell WP Series, Bell, Carlton or Leviton NEMA 3R weatherproof coverplates on all exterior wiring devices. Enclosure shall be suitable for wet locations when in use.
- D. Coverplates shall be Hubbell SS Series, Leviton, Pass Seymour 302/304 smooth stainless steel on all receptacles 30 amps and larger.
- E. Stainless steel device plates shall be provided at locations with tile or stone walls.

**PART 3 - EXECUTION**

**3.01 WIRING DEVICE MOUNTING HEIGHTS**

- A. Unless noted to the contrary on plans, or directed otherwise during the progress of the Work, wiring devices shall be set as follows:
  - 1. Switches 42" above finished floor.
  - 2. Wall mounted receptacles shall be installed vertically at 15 inches to the bottom outlet above finished floor unless otherwise noted or as required by local codes.
  - 3. Wall telephone outlets shall be mounted 15 inches to the bottom above finished floor unless otherwise noted. Mount even with wall mounted receptacles.
  - 4. At locations above counters, set devices at 6 inches above to the centerline counter tops, verify exact mounting height with the architect.

**3.02 INSTALLATION (REFER TO 26 05 33 FOR OUTLET BOX SPECIFICATIONS)**

- A. Wall switches shall be set in a suitable steel box and shall be installed on the strike side of the door as finally hung, whether so indicated on the Drawings or not.
- B. Receptacles shall be installed in a suitable steel box.
- C. The Architect reserves the right to relocate wiring device up to a distance of 5 feet from the location shown, before rough-in, without additional cost.
- D. Provide multi-gang device covers at locations where devices gang together.
- E. Device locations are indicated schematically on the drawings along with the type and mounting height. Final locations and mounting heights shall be coordinated with the Architect on the jobsite, and with shop drawings of equipment, including equipment to be furnished and installed by the Owner. Devices installed in walls covered with vinyl, fabric wallpaper or other special finishes shall be coordinated and verified with the Architect on the job site.
- F. Stranded wire termination to switches, receptacles, devices and miscellaneous control devices shall be with an approved solderless terminal if clamp type securing is not possible (i.e. Sta-Con crimp on fork tongue connectors; Burndy Type TP-F).
- G. Provide keyed switches in all common areas not monitored by the faculty (i.e. gym, corridors, cafeteria, commons natatoriums).
- H. All 15 amp and 20 amp receptacles shall be tamper-resistant type.
- I. All 20A, 120V receptacles in food service areas shall be GFCI.
  - Provide GFCI circuit breakers for all drinking fountain branch circuits where GFCI receptacles are not indicated on plan.
- K. Provide ARC Fault circuit interrupters (AFCI) as required to comply with article 210.12 of NFPA 70. This shall include but not be limited to dwelling units and dormitories. AFCI breakers may be used.
- L. Provide ground fault circuit interrupter (GFCI)/ARC Fault circuit interrupter (AFCI) dual function receptacles to comply with articles 210.8, 210.12 and 406.4 of NFPA 70.

- M. Contractor shall indicate the circuit serving each wiring device. Provide a typewritten label located on the inside face of the coverplate for all recessed mounted devices and on the outside of the coverplate on all surface mounted devices.

**END OF SECTION**

EL Paso ISD - Austin HS - Sports  
Lighting Replacement

26 27 26 - 4

Wiring Devices

## SECTION 26 28 13 - FUSES

### PART 1 - GENERAL

#### 3.01 SCOPE

- A. Provide fuses as shown and scheduled and indicate by this specification section and other specifications sections.
- B. The type of fuses include:
  - 1. 600 volt current limiting.
  - 2. 250 volt current limiting.

#### 3.02 STANDARDS

- A. ANSI
- B. UL

#### 3.03 ACCEPTABLE MANUFACTURERS

- A. Eaton Bussmann
- B. Mersen

#### 3.04 SUBMITTALS

- A. Shop drawings shall include, but not be limited to:
  - 1. Cutsheets of all fuses showing ratings and fuse curves.

#### 3.05 REQUIREMENTS OF REGULATORY AGENCIES

- A. WORK IN ACCORDANCE WITH:
  - 1. National Electrical Code.
  - 2. Local, municipal, or state codes that have jurisdiction.

### PART 2 - PRODUCTS

#### 4.01 CURRENT - LIMITING FUSES

- A. General: Provide 200,000 amp interrupting capacity current limiting fuses of the ampacity and voltage indicated and scheduled.
- B. Mains, Feeders and Branch Circuits
  - 1. Circuits 601 to 6000 ampere shall be protected by current limiting BUSSMANN HI-CAP Time Delay Fuses KRP-C. Fuses shall employ O ring as positive seals between the end bells and the glass melamine fuse barrel. The terminals shall be peened. Fuses shall be time-delay and must hold 500% of rated current for a minimum of 4 seconds, clear 20 times rated current in .1 seconds or less and be listed by Underwriters Laboratories Inc., with an interrupting rating of 200,000 amperes r.m.s. symmetrical. The fuses shall be UL Class L.
- C. Class Fuses
  - 1. Circuits 0 to 600 ampere shall be protected by current limiting BUSSMANN LOW-PEAK Dual Element Fuses LP. All dual-element fuses shall have separate overload and short-circuit elements. Fuse shall incorporate a spring activated thermal overload element having a 284 degree Fahrenheit melting point alloy and shall be independent of the short-circuited clearing chamber. The fuse must hold 500% of rated current for a minimum of 10 seconds and listed by Underwriters Laboratories Inc., with an interrupting rating of 200,000 amperes rRMS symmetrical. The fuses shall be UL Class .

2. Motor Circuits - All individual motor circuits rated 600 amperes or less shall be protected by BUSSMANN LOW-PEAK LP . The fuses for 1.15 service factor motors shall be installed in ratings approximately 125 of motor full current except where high ambient temperatures prevail, or where the motor drives a heavy revolving part which cannot be brought up to full speed quickly, such as large fans. Under such conditions the fuse should be 150 to 200 of the motor full load current. Larger H.P. Motor shall be protected by BUSSMANN Type KRP-C HI-CAP Time-Delay Fuses of the rating shown on the drawings. 1.0 service factor motors shall be protected by BUSSMANN LOW-PEAK Dual-Element Fuses LP installed in ratings approximately 115 of the motor full load current except as noted above. The fuses shall be UL Class LP or L. Circuit breaker panels shall be protected by BUSSMANN LOW-PEAK Dual-Element LP as shown on the drawings. The fuses shall be UL Class .

D. Class RK1 Fuses

1. Circuits 0 to 600 ampere shall be protected by current limiting BUSSMANN LOW-PEAK Dual Element Fuses LPN-RK (250 volts) or LPS-RK (600 volts). All dual-element fuses shall have separate overload and short-circuit elements. Fuse shall incorporate a spring activated thermal overload element having a 284 degree Fahrenheit melting point alloy and shall be independent of the short-circuited clearing chamber. The fuse must hold 500 of rated current for a minimum of 10 seconds and listed by Underwriters' Laboratories Inc. with an interrupting rating of 200,000 amperes RMS symmetrical. The fuses shall be UL Class RK1.
2. Motor Circuits - All individual motor circuits rated 600 amperes or less shall be protected by BUSSMANN LOW-PEAK Dual Element Fuses LPN-RK (250 volts) or LPS-RK (600 volts). The fuses for 1.15 service factor motors shall be installed in ratings approximately 125 of motor full current except where high ambient temperatures prevail, or where the motor drives a heavy revolving part which cannot be brought up to full speed quickly, such as large fans. Under such conditions the fuse should be 150 to 200 of the motor full load current. Larger H.P. Motor shall be protected by BUSSMANN Type KRP-C HI-CAP Time-Delay Fuses of the rating shown on the drawings. 1.0 service factor motors shall be protected by BUSSMANN LOW-PEAK Dual-Element Fuses LPN-RK (250 volts) or LPS-RK (600 volts) installed in ratings approximately 115 of the motor full load current except as noted above. The fuses shall be UL Class RK1 or L.
3. Circuit breaker panels shall be protected by BUSSMANN LOW-PEAK Dual-Element LPN-RK (250 volts) or LPS-RK (600 volts) as shown on the drawings. The fuses shall be UL Class RK1.

**4.02 SPARES**

- A. Upon completion of the building the contractor shall provide the owner with spare fuses as shown below.
  1. 10 (minimum of 3) of each type and rating of installed fuses shall be supplied as spares.
  2. BUSSMANN spare fuse cabinets - Catalog No. SFC - shall be provided to store the above spares.

**PART 3 - EXECUTION**

**5.01 INSTALLATION**

- A. Fuses: Fuses shall not be installed until equipment is ready to be energized. This measure prevents fuse damage during shipment of the equipment from the manufacturer to the job-site or from installation. All fuses shall be furnished and installed by the electrical contractor. All fuses shall be of the same manufacturer.
- B. All fuses shall be installed in fuse holders.

**END OF SECTION**

## SECTION 26 28 16 - SAFETY AND DISCONNECT SWITCHES

### PART 1 - GENERAL

#### 1.01 SCOPE

- A. Provide safety and disconnect switches as shown, scheduled and as specified herein.

#### 1.02 STANDARDS

- A. Products shall be designed, manufactured, tested and installed in compliance with applicable standards.
  - 1. NEMA KS1 - Enclosed switches
  - 2. Federal specification W-S-865C-Heavy duty switches
- B. Products shall conform all applicable UL standards, including UL98 (standard for safety, enclosed and dead front switches) and shall be UL-labeled.

#### 1.03 ACCEPTABLE MANUFACTURERS

- A. Provide one of the following manufacturers:
  - 1. General Electric Company/ABB
  - 2. Square D Company
  - 3. Siemens
  - 4. Eaton

#### 1.04 SUBMITTALS

- A. Shop drawings shall include, but not be limited to:
  - 1. Cutsheets of switches with ratings, physical dimensions and all accessories clearly labeled.

#### 1.05 REQUIREMENTS OF REGULATORY AGENCIES

- A. WORK IN ACCORDANCE WITH:
  - 1. National Electrical Code
  - 2. Local, municipal, or state codes that have jurisdiction.

### PART 2 - PRODUCTS

#### 2.01 GENERAL

- A. Furnish and install heavy duty type safety switches with the number of switched poles as indicated on the plans and specifications. All safety switches shall be NEMA Heavy Duty Type HD, and Underwriters Laboratories listed.

#### 2.02 MATERIALS AND COMPONENTS

- A. Switch Interior
  - 1. All switches shall have switch blades that are fully visible in the OFF position when the door is open. Switches shall have removable arc suppressor where necessary, to permit easy access to line side lugs. Lugs shall be front removable and UL listed for 60°C and 75°C copper or aluminum cables. All switches blades and contacts shall be plated copper. Adjust fuse block to accept Class fuses.
- B. Switch Mechanism
  - 1. Switches shall have a quick-make and quick-break operating handle and mechanism, which shall be an integral part of the box, not the cover. Padlocking provisions shall be provided for locking in the OFF position with at least three padlocks. Switches shall have a dual cover interlock to prevent unauthorized opening of the switch door when the handle is in the ON position, and to prevent closing of the switch mechanism with the door open. A means shall be provided to permit authorized personnel to release the interlock for inspection purposes. Handle position shall indicate if switch is ON or OFF.
- C. Neutral
  - 1. Provide a solid neutral with the safety switch where a neutral is present in the circuit.
- D. Ratings

1. Switches shall be horsepower rated for ac and/or dc as indicated by the plans. The fused switches shall have Class R rejection fuse clips or adjusted for Class R fuses. UL listed short circuit ratings of the switches, when equipped with Class R fuses, shall be 200,000 symmetrical amperes.
- E. Enclosures
1. Indoor switches shall be furnished in NEMA 1 enclosures.
  2. Outdoor switches, switches located in wet areas or sprinkled areas shall be furnished in NEMA 3R enclosures.
  3. Switches installed in wet areas such as cooling tower areas shall be NEMA 4X stainless steel or fiberglass reinforced polyester.
  4. Switches installed in kitchens shall be stainless steel.
  5. Switches installed in areas of a corrosive nature and subjected to salt air shall be NEMA 4X stainless steel or fiberglass reinforced polyester.
- F. Electrical Interlock Contacts
1. Provide electrical interlock contacts on all disconnect switches serving motors in which remote VFDs are serving the motor. Provide conductors from contacts to the safe circuit inside the VFD. De-energizing the disconnect switch shall signal VFD to stop.
- G. Service Entrance
1. Switch shall be suitable for use as service entrance equipment when installed in accordance with the National Electrical Code.

### **PART 3 - EXECUTION**

#### **3.01 GENERAL**

- A. Install safety and disconnect switches, including electrical connections, and fuses in accordance with manufacturer's written instructions, NEC and recognized industry practices.
- B. Location: Install switches within sight of controllers.
- C. Hubs: Provide bolt-on hubs for rainproof or wet area applications.

#### **3.02 IDENTIFICATION**

- A. Nameplate: Each disconnect switch shall have an engraved bakelite nameplate. Nameplates shall be white with black letters and show equipment served. Nameplates shall be attached with stainless steel screws.

**END OF SECTION**

**SECTION 26 43 13 - SURGE PROTECTIVE DEVICE (SPD) - SERVICE ENTRANCE**

**PART 1 - GENERAL**

**1.01 SCOPE**

- A. Provide electrical and mechanical requirements for a modular high-energy surge protective device system (SPD). The system shall provide effective high energy surge current diversion and be suitable for application in IEEE C62.41.1 Category A, B and C3 environments, as tested by IEEE C62.11, IEEE C62.45.
- B. The system shall be constructed using multiple surge current diversion modules utilizing metal oxide varistors (MOV) computer matched to  $\pm 1$ -volt variance and tested for manufacturer's defects. The modules shall be designed and constructed in a manner that ensures surge current sharing. Use of gas tubes, silicon avalanche diodes or selenium cells are unacceptable. Device shall utilize a minimum of three (3) MOV's fuse link pair per phase. This will allow redundant protection in the event that MOV's fail.
- C. Third Party Test Report verifying surge current rating, longevity, testing, and filtering capabilities shall be provided with submittal.

**1.02 STANDARDS**

- A. The specified system shall be designed, manufactured, tested and installed in compliance with the following codes and standards:
  - 1. Canadian Standards Association (CSA or CUL)
  - 2. American National Standards Institute and
  - 3. Institute of Electrical and Electronic Engineers (IEEE C62.11, IEEE C62.41.1, IEEE C62.41.2, IEEE C62.45)
  - 4. Institute of Electrical and Electronic Engineers 1100 Emerald Book
  - 5. Federal Information Processing Standards Publication 94 (FIPS PUB 94)
  - 6. National Electrical Manufacturer Association (NEMA LS-1 1992)
  - 7. National Fire Protection Association (NFPA 20, NFPA 75 and NFPA 780)
  - 8. National Electric Code (NFPA 70)
  - 9. Underwriters Laboratories (UL 1449 and UL 1293)
  - 10. International Electrotechnical Commission (IEC 801)
  - 11. International Standards Organization (ISO) Company certified ISO 9001 for manufacturing, design and service
  - 12. EMC Directive 89/336/EEC - CE compliant
- B. The systems individual units shall be UL/ANSI Listed and labeled under UL 1449 (Fourth Edition) Standard for Surge Protection Device type 1 nominal discharge current of 20kA and the surge ratings shall be permanently affixed to the SPD. The units shall also be listed and CSA or CUL Listed.

**1.03 ACCEPTABLE MANUFACTURERS**

- A. Southern Tier Technologies

**1.04 SUBMITTALS**

- A. Shop drawings shall include, but not be limited to:
  - 1. Cutsheets of surge protection devices with ratings, physical dimensions and all accessories clearly labeled.
  - 2. Device labels shall be clearly indicated in cutsheets.
  - 3. All standards and listings, as specified in section 1.2A-B, shall be clearly labeled in cutsheets provided.
  - 4. Cutsheets shall clearly outline that design requirements of this specification have been met.

**1.05 QUALITY ASSURANCE**

- A. The manufacturer shall be ISO 9001 certified. The specified system shall be tested at the component and fully assembled level, under surge conditions with AC power applied for a minimum of 1 hour. Testing shall include but not be limited to quality control checks, dielectric voltage withstand test per UL and CSA requirements, UL ground continuity tests and operational and calibration tests.
- B. The unit shall be designed and manufactured in the USA by a qualified manufacturer of line conditioning equipment and Active Tracking Filters. The manufacturer shall have been engaged in the design and manufacture of such products for a minimum of 10 years.

**PART 2 - PRODUCTS**

**2.01 ENCLOSURE**

- A. The specified system shall be provided in a heavy duty NEMA 4 or better dust-tight, drip-tight enclosure with no ventilation openings. The cover of the enclosure shall be hinged on the left side and require a tool for access to internal components. A drawing pocket shall be provided inside the door for storage of unit drawings and installation/operation manual. All monitoring indication must be visible without opening the door. The enclosure maximum dimensions shall be (16) inches/(406) millimeters high, (15) inches/(406) millimeters wide and (8) inches/(203) millimeters deep.

**2.02 OVERCURRENT PROTECTION (FUSING)**

- A. Individual surge components shall be fused to prevent violent failure. The fusing shall be UL listed and shall be capable of interrupting up to 200kA symmetrical fault current with 480VAC applied. Replaceable fusing is unacceptable. Overcurrent protection that limits specified surge currents is not acceptable. Devices that utilize a single fuse to protect two or more suppression paths are not accepted.

**2.03 DESIGN REQUIREMENTS**

- A. Protection Modes:
  - 1. The SPD shall provide protection as follows: All modes, L-N or L-L, L-G and N-G (where applicable) Note: L Line, G Ground, N Neutral
- B. UL 1449 Ratings:
  - 1. The maximum UL/ANSI 1449 listed surge ratings for each and/or all of the specified protection modes shall not exceed the following:

System Voltage	Voltage Protection Rating			
	L-N	L-G	N-G	L-L
120/240	700-volts	700-volts	700-volts	1200-volts
120/208	700-volts	700-volts	700-volts	1200-volts
240		1200-volts		1000-volts
277/480	1000-volts	1000-volts	1000-volts	1800-volts
480		1800-volts		1800-volts

- C. Noise Attenuation:
  - 1. The unit shall be UL 1283 Listed as an electromagnetic interference filter for type 2 locations. The filter shall provide 41dB at 100kHz, 31dB at 1MHz, 35dB at 10MHz, 53dB at 100MHz, per 50 Ohm Insertion Loss Methodology from MIL 220A. The system shall provide up to 120-dB insertion loss from 100 kHz to 100 MHz when used in a coordinated facility system.
- D. Life Cycle Testing:
  - 1. The SPD system shall be duty life cycle tested to survive, 10kA (8x20 s), 20kV (1.2x500k), IEEE C62.41.1 Category C surge current with less than 5% degradation of clamping voltage. The minimum numbers of surges the unit shall be able to protect against are:

EL Paso ISD - Austin HS - Sports Lighting Replacement

26 43 13 - 2

Surge Protective Device (SPD) - Service Entrance

Model Surge Rating	Number of Life Cycle Surges			
	L-N	L-G	N-G	Per Phase L-N + L-G
250kA per phase	12000	12000	12000	24000
500kA per phase	24000	24000	24000	48000

**2.04 CONNECTIONS**

- A. The terminals shall be provided to accommodate wire sizes up to #1/0 AWG.

**2.05 INTERNAL CONNECTIONS AND SERVICEABILITY**

- A. All surge current diversion module intra-unit connections shall be by way of low impedance copper. Surge current diversion modules shall use bolted connections to the plates for reliable, low impedance connections. The system shall be designed for simple change out of any or all SPD component modules by a qualified electrician. Designs that require factory service are not acceptable. All connections, conductors and terminals must be appropriately sized for specified surge current capacity.

**2.06 STANDARD FEATURES**

- A. Component Testing and Monitoring:
  - 1. The monitoring circuitry must continually verify the protection status during operation, and display this information on the front cover status panel. The SPD must also contain a built-in-test circuit that will verify the integrity of all fuse links and each associated MOV. The built-in-test circuit must cycle through all phase banks and the neutral-ground bank sending test signals to all modules including N-G. The integrity of all fuses in test must be indicated on the status panel. All testing must be able to be performed without disconnecting power to the SPD. Units that require external test sets or equipment are unacceptable.
- B. Unit Status Indicators:
  - 1. Red and green solid state indicators with printed labels shall be provided on the hinged front cover to redundantly indicate on-line unit status. The absence of the green light and the presence of the red light shall reliably indicate that surge protection is reduced and service is needed to restore full operation.
- C. Surge Counter:
  - 1. Provide up to 7-digit LED/LCD surge counter to total transient voltage surges.
- D. Dry Contacts for remote monitoring:
  - 1. Electrically isolated Form C dry contacts, one normally open and one normally closed set standard on all units for remote monitoring.
- E. Undervoltage detection:
  - 1. Unit shall be equipped with 70% undervoltage detection capability.
- F. Phase Loss Monitoring:
  - 1. Unit shall be equipped with phase loss monitoring.
- G. Power Loss Monitoring:
  - 1. Unit shall be equipped with power loss monitoring.

**2.0 ENVIRONMENTAL REQUIREMENTS**

- A. Storage Temperature: -55 to 85 C (-67 to 187 F)
- B. Operating Temperature: -40 to 60 C (-40 to 140 F)
- C. Relative Humidity: 0 to 95
- D. Audible Noise: less than 45 dBA at 5 feet (1.5 m)
- E. Operating Altitude: 0 to 18,000 feet above sea level

EL Paso ISD - Austin HS - Sports Lighting Replacement

26 43 13 - 3

Surge Protective Device (SPD) - Service Entrance

**2.08 WARRANTY**

- A. The manufacturer shall provide a full 10 year parts and 5 year on site labor warranty from date of shipment against any part failure when installed in compliance with manufacturer's written instructions, UL Listing requirements and any applicable national, state or local electrical codes. Direct, factory trained, ISO 9001 certified employees must be available for 48-hour assessment. A 24 hour 800 number must be available to support warranty.

**PART 3 - EXECUTION**

**3.01 INSTALLATION**

- A. The contractor shall install the parallel SPD with short and straight conductors as practically possible. Locate adjacent to the switchboard or panel it is serving. The contractor shall twist the SPD input conductors together to reduce input conductor inductance. The contractor shall follow the SPD manufacturer's recommended installation practices as found in the installation, operation and maintenance manual and comply with all applicable codes. Provide STT Tierguide cable low impedance cable when long lead lengths are needed.

**END OF SECTION**

EL Paso ISD - Austin HS - Sports  
Lighting Replacement

25 43 13 - 4

Surge Protective Device (SPD) -  
Service Entrance

**SECTION 26 56 68 - EXTERIOR ATHLETIC LIGHTING**

**LIGHTING SYSTEM WITH LED LIGHT SOURCE**

**PART 1 – GENERAL**

**2.01 SUMMARY**

- A. Work covered by this section of the specifications shall conform to the contract documents, engineering plans as well as state and local codes.
- B. The purpose of these specifications is to define the lighting system performance and design standards for El Paso ISD Austin High School Football Reight using an LED Lighting source. The manufacturer / contractor shall supply lighting equipment to meet or exceed the standards set forth in these specifications.
- C. The sports lighting will be for the following venues:
  - 1. Football
- D. The primary goals of this sports lighting project are:
  - 1. **Guaranteed Light Levels:** Selection of appropriate light levels impacts the safety of players and the enjoyment of spectators. Therefore, light levels are guaranteed to not drop below specified target values for a period of 10 years.
  - 2. **Environmental Light Control:** It is the primary goal of this project to minimize spill light to adjoining properties and glare to players, spectators, and neighbors.
  - 3. **Cost of Ownership:** To reduce the operating budget, the preferred lighting system shall be energy efficient and cost effective to operate. All maintenance costs shall be eliminated for the duration of the warranty.
  - 4. **All lighting designs shall comply with Texas Lighting Standard.**
  - 5. **Control and Monitoring –** To allow for optimized use of labor resources and avoid unneeded operation of the facility, customer requires a remote on/off control system for the lighting system. Fields should be proactively monitored to detect luminaire outages over a 10-year life cycle. All communication and monitoring costs for 10-year period shall be included in the bid.
    - a. Control and monitoring system shall provide contactor control of all existing circuits. Key switches shall be provided to provide field-level control of existing circuit groups.

**2.02 ONFIELD LIGHTING PERFORMANCE**

- A. **Illumination Levels and Design Factors:** Playing surfaces shall be lit to an average target illumination level and uniformity as specified in the chart below. Lighting manufacturers will provide a guarantee that light levels will be sustained over the life of the warranty period. Lighting calculations shall be developed, and field measurements taken on the grid spacing with the minimum number of grid points specified below.
  - 1. Manufacturers will provide lumen maintenance data of the LED luminaires used per TM-21-11 and will incorporate the lumen maintenance projections into the lighting designs to ensure target light levels are achieved throughout the guaranteed period of the system. Per IES guidelines, lumen maintenance hours should be reported based on the 6x multiplier of testing hours.

Area of Lighting	Average Target Illumination Levels	Maximum to Minimum Uniformity Ratio	Grid Points	Grid Spacing
Football	50 footcandles	2:1	72	30' x 30'
Track	30 footcandles	4:1	41	30' x 30'
- B. **Color Temperature:** The lighting system shall have a minimum color temperature of 5700K and a CRI of 75.
- C. **Playability:** Lighting design and luminaire selection should be optimized for playability by reducing glare onfield and providing sufficient uplight.

1. Aiming Angles: To reduce glare, luminaire aiming should ensure the top of the luminaire field angle (based on sample photometric reports) is a minimum of 10 degrees below horizontal.
2. Glare Control Technology – Luminaires selected should have glare control technology including, but not limited to: external visors, internal shields and louvers. No symmetrical beam patterns are acceptable.
3. Aerial lighting – Adequate illumination must be provided above the field to see the ball in flight. It is recommended that a lighting analysis be performed above the field of play to evaluate the visibility of the ball over its typical trajectory to ensure the participants will adequately see the ball. Calculation planes should be evaluated up to the maximum anticipated height for the level of play.
4. Mounting Heights: To ensure proper aiming angles, minimum mountings heights shall be as described below. Higher mounting heights may be necessary for luminaire with lesser glare control to meet field angle requirements of section 1.2.C.1.

# of Poles	Pole Designation	Pole Height
4	F1-F4	80'
2	A1-A2	100'

### 2.03 ENVIRONMENTAL LIGHT CONTROL

- A. Light Control Luminaires: All luminaires shall utilize spill light and glare control devices including, but not limited to, internal shields, louvers, and external shields. No symmetrical beam patterns are accepted.
- B. Lighting Ordinance: In accordance with El Paso, TX lighting ordinance, maximum initial horizontal illumination at the property line shall not exceed 0.266 footcandles.
- C. Spill Light and Glare Control: To minimize impact on adjacent properties, spill light and candela values must not exceed the following levels taken at 3 feet above grade.

	Average	Maximum
Specified Spill Line Horizontal Footcandles	0.0155 fc	0.266 fc
<Describe, F11> Specified Spill Line Max Vertical Footcandles	0.0370 fc	0.570 fc
<Describe, F11> Specified Spill Line Max Candela (taken at 5 ft above grade)	1384 cd	15,432 cd

- D. Spill Scans: Spill scans must be submitted indicating the amount of horizontal and vertical footcandles along the specified lines. Light levels shall be provided in 30-foot intervals along the boundary line at 3 ft above grade.
- E. Sample Photometry: The first page of a photometric report for all luminaire types proposed showing horizontal and vertical axial candle power shall be provided to demonstrate the capability of achieving the specified performance. Reports shall be certified by a qualified testing laboratory with a minimum of five years experience or by a manufacturer's laboratory with a current accreditation under the National Voluntary Laboratory Accreditation Program for Energy Efficient Lighting Products. A summary of the horizontal and vertical aiming angles for each luminaire shall be included with the photometric report.
- F. Field Verification: Lighting manufacturer shall supply field verification of environmental light control using a meter calibrated within the last 12 months:
  1. Spill verification: Illumination levels shall be taken in accordance with IESNA RP-6-22. The light sensing surface of the light meter should be held 36 inches above the playing surface with the sensing surface horizontal (for horizontal readings) or vertically pointed at the brightest light bank (for max vertical readings)

## **PART 2 – PRODUCT**

### **3.01 SPORTS LIGHTING SYSTEM CONSTRUCTION**

- A. **Manufacturing Requirements:** All components shall be designed and manufactured as a system. All luminaires, wire harnesses, drivers and other enclosures shall be factory assembled, aimed, wired and tested.
- B. **Durability:** All exposed components shall be constructed of corrosion resistant material and/or coated to help prevent corrosion. All exposed carbon steel shall be hot dip galvanized per ASTM A123. All exposed aluminum shall be powder coated with high performance polyester or anodized. All exterior reflective inserts shall be anodized, coated, and protected from direct environmental exposure to prevent reflective degradation or corrosion. All exposed hardware and fasteners shall be stainless steel, passivated and coated with aluminum-based thermosetting epoxy resin for protection against corrosion and stress corrosion cracking. All wiring shall be enclosed within the cross-arms, or electrical components enclosure.
- C. **System Description:** Lighting system shall consist of the following:
  - 1. **Manufacturer will supply all drivers and supporting electrical equipment.**
    - 1) Remote drivers and supporting electrical equipment shall be mounted approximately 10 feet above grade in aluminum enclosures. The enclosures shall be touch-safe and include drivers and fusing with indicator lights on fuses to notify when a fuse is to be replaced for each luminaire. Disconnect per circuit for each pole structure will be located in the enclosure.
    - 2) Manufacturer shall provide surge protection at the pole equal to or greater than 40 kA for each line to ground (Common Mode) as recommended by IEEE C62.41.2\_2002.
  - 2. Wire harness complete with an abrasion protection sleeve, strain relief and plug-in connections for fast, trouble-free installation.
  - 3. All luminaires, visors, and cross-arm assemblies shall withstand 150 mph winds and maintain luminaire aiming alignment.
  - 4. Control cabinet to provide remote on-off control, monitoring, and entertainment features of the lighting system. See Section 2.3 for further details.
  - 5. Manufacturer shall provide lightning grounding as defined by NFPA 780 and be UL Listed per UL 96 and UL 96A.
    - 1) Integrated grounding via concrete encased electrode grounding system.
    - 2) If grounding is not integrated into the structure, the manufacturer shall supply grounding electrodes, copper down conductors, and exothermic weld kits. Electrodes and conductors shall be sized as required by NFPA 780. The grounding electrode shall be minimum size of 5/8 inch diameter and 8 feet long, with a minimum of 10 feet embedment. Grounding electrode shall be connected to the structure by a grounding electrode conductor with a minimum size of 2 AWG for poles with 75 feet mounting height or less, and 2/0 AWG for poles with more than 75 feet mounting height.
- D. **Safety:** All system components shall be UL listed for the appropriate application.

### **3.02 ELECTRICAL**

- A. **Electric Power Requirements for the Sports Lighting Equipment:**
  - 1. Electric power: 480 Volt, 3 Phase
  - 2. Maximum total voltage drop: Voltage drop to the disconnect switch located on the poles shall not exceed three (3) percent of the rated voltage.
- B. **Energy Consumption:** The kW consumption for the field lighting system shall be 57.92kW

### **3.03 CONTROL**

- A. **Instant On/Off Capabilities:** System shall provide for instant on/off of luminaires.
- B. **Lighting contactor cabinet(s)** constructed of NEMA Type 4 aluminum, designed for easy installation with contactors, labeled to match field diagrams and electrical design. Manual off-on-auto selector switches shall be provided.

- C. Contactor control of lights: To minimize wear on drivers and other electrical components and prevent lights from turning on due to communication loss, circuits must be controlled via contactor switching, not dimming driver output to zero.
- D. Communication with luminaire drivers: Control system shall interface with drivers in electrical components enclosures by means of powerline communication.

**PART 3 – EXECUTION**

**4.01 DELIVERY TIMING**

- A. Delivery Timing Equipment On-Site: The equipment must be on-site 10-12 weeks from receipt of approved submittals and receipt of complete order information.

**4.02 FIELD QUALITY CONTROL**

- A. Illumination Measurements: Upon substantial completion of the project and in the presence of the Contractor, Project Engineer, Owner's Representative, and Manufacturer's Representative, illumination measurements shall be taken and verified. The illumination measurements shall be conducted in accordance with IESNA RP-6-22.
  1. Field Light Level Accountability
  2. Light levels are guaranteed not to fall below the target maintained light levels for the entire warranty period of 10 years. These levels will be specifically stated as "guaranteed" on the illumination summary provided by the manufacturer.
  3. The contractor/manufacturer shall be responsible for conducting initial light level testing and an additional inspection of the system, in the presence of the owner, one year from the date of commissioning of the lighting.
  4. The contractor/manufacturer will be held responsible for any and all changes needed to bring these fields back to compliance for light levels and uniformities. Contractor/Manufacturer will be held responsible for any damage to the fields during these repairs.
- B. Correcting Non-Conformance: If, in the opinion of the Owner or his appointed Representative, the actual performance levels including footcandles, uniformity ratios, upright for aerial visibility, and offsite candela readings are not in conformance with the requirements of the performance specifications and submitted information, the Manufacturer shall be required to make adjustments to meet specifications and satisfy Owner.

**4.03 WARRANTY AND GUARANTEE**

- A. 10-Year Warranty: Each manufacturer shall supply a signed warranty covering the entire system for 10 years from the date of shipment. Warranty shall guarantee specified light levels. Manufacturer shall maintain specifically funded financial reserves to assure fulfillment of the warranty for the full term. Warranty does not cover weather conditions events such as lightning or hail damage, improper installation, vandalism or abuse, unauthorized repairs or alterations, or product made by other manufacturers.
- B. Maintenance: Manufacturer shall monitor the performance of the lighting system, including on/off status, hours of usage and luminaire outage for 10 years from the date of equipment shipment. Parts and labor shall be covered such that individual luminaire outages will be repaired when the usage of any field is materially impacted. Manufacturer is responsible for removal and replacement of failed luminaires, including all parts, labor, shipping, and equipment rental associated with maintenance. Owner agrees to check fuses in the event of a luminaire outage.

**PART 4 – DESIGN APPROVAL**

**5.01 PRE-BID SUBMITTAL REQUIREMENTS (NON-MUSCO)**

- A. Design Approval: The owner / engineer will review pre-bid submittals per section 4.1 B from all the manufacturers to ensure compliance to the specification 10 days prior to bid. If the design meets the design requirements of the specifications, a letter and/or addendum will be issued to the manufacturer indicating approval for the specific design submitted.

- B. Approved Product: Musco's Light-Structure System™ with TLC for LED® is the approved product. All substitutions must provide a complete submittal package for approval as outlined in Submittal Information at the end of this section at least 10 days prior to bid. Special manufacturing to meet the standards of this specification may be required. An addendum will be issued prior to bid listing any other approved lighting manufacturers and designs.
- C. All listed manufacturers not pre-approved shall submit the information at the end of this section at least 10 days prior to bid. An addendum will be issued prior to bid, listing approved lighting manufacturers and the design method to be used.
- D. Bidders are required to bid only products that have been approved by this specification or addendum by the owner or owner's representative. Bids received that do not utilize an approved system/design, will be rejected.

**END OF SECTION**

EL PASO ISD  
 Austin HS  
 Stadium Lighting Improvements  
 EPISD Project #24.535B



EL PASO  
 INDEPENDENT  
 SCHOOL DISTRICT

BOARD OF TRUSTEES

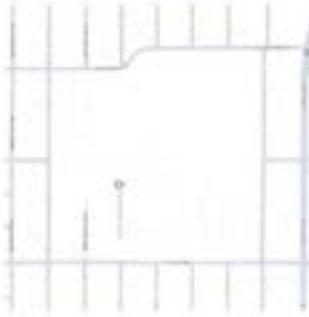
- Israel Ibrahim
- Valerie Gansley Beak
- Isabel Hernandez
- Leah Igachay
- Alex Cuellar
- Vacant
- Daniel E. Call
- Diana Soynevoda
- Board President (District 5)
- Vice-President (District 6)
- Secretary (District 4)
- Trustee (District 1)
- Trustee (District 2)
- Trustee (District 3)
- Trustee (District 7)
- Superintendent

2024 CONSTRUCTION DOCUMENTS

PROJECT TEAM

DBR Inc.  
 401 E. Main St.  
 Suite 402  
 El Paso, Texas 79901  
 915-781-1711  
 ASDP Engineer  
 Ryan G. Miller, P.E.  
 rmler@dbrinc.com  
 El Paso ISD  
 2100 N. Stanton  
 El Paso, Texas 79902  
 915-230-2301  
 EPISD Project Manager  
 Jesus Manny Rivera Jr., BT, M/SE  
 jrivera1@episd.org

LOCATION



3550 Memphis Ave.  
 El Paso, Texas 79930  
 Tel: (915) 236-4200

SHEET LIST TABLE

Sheet Number	Sheet Title
00.01	COVER SHEET
01.01	ELECTRICAL GENERAL LEGEND
02.01	ELECTRICAL GENERAL NOTES
03.01	ELECTRICAL DEMOLITION SITE PLAN
04.01	ELECTRICAL SITE PLAN
05.01	ELECTRICAL RISER DIAGRAM & SCHEDULES
06.01	ELECTRICAL DETAILS

C0.01













DRR  
 501 W. 11th St.  
 Austin, TX 78701  
 512.476.1111  
 www.drr.com



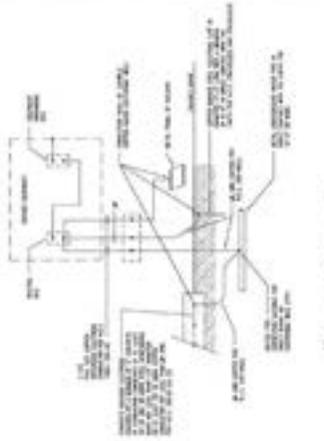
AUSTIN HIGH SCHOOL STADIUM  
 LIGHTING IMPROVEMENTS  
 3500 MEYERS AVE. EL PASO, TX 79908

DATE: 08/11/2010  
 DRAWN BY: JOC  
 CHECKED BY: JOC  
 PROJECT NO: 10000000000000000000  
 SHEET NO: 10000000000000000000

ELECTRICAL  
 DETAILS

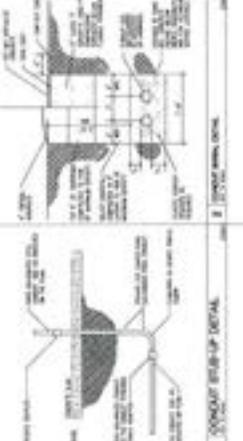
NO. 10000000000000000000  
 E66.01

**1. GROUNDING ELECTRODE SYSTEM DETAIL WITH REMOTE MAIN**



SEE ELECTRICAL SPECIFICATIONS FOR ALL MATERIALS AND METHODS.  
 ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.

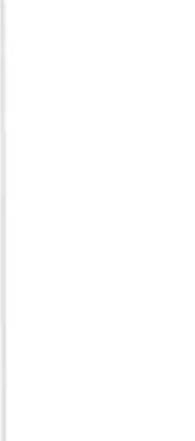
**2. CONDUIT RUN-UP DETAIL**



**3. SERVICE PANEL DETAIL**



**4. SERVICE RACK DETAIL**





**Board of Trustees**  
**Executive Summary of Board Agenda Item**

**TITLE:**

*Approval of Final Acceptance of Work and Final Payment for Bobby Joe Hill PK-8, CSP No. 19-012, Project No. 17.617, to Arrow Building Corporation (2016 Bond Funds - \$1,456,548.42)*

**JUSTIFICATION STATEMENT:**

(Approval is needed to proceed with final acceptance and final payment for the project as per Board Policy)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Legal/Local Policy

**STAFF RESPONSIBLE:** S.B. Pierson/Ernesto L. Ortiz

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever III: Destination District - El Paso ISD solidifies its position as El Paso's destination district.*

**SUMMARY:**

Board Policy CV (Local): Facilities Construction provides: "The District shall not make final payments for construction or the supervision of construction until the work has been completed and the Board has accepted the work." The District maintains retainage in an amount of at least five percent (5%) of the contract value until final payment is made. Administration is providing the Board documentation to the effect that the conditions for Final Acceptance and Final Payment set out in the contract have been satisfied.

The Board approved the original contract on February 12, 2019, for \$27,938,600.00. The following change orders were approved resulting in the final contract amount of \$29,130,968.43:

- Change Order No. 1 – Added owner construction contingency in the amount of \$838,158.00, approved by the Board on May 14, 2019.
- Change Order No. 2 – Deductive change order for construction administration services to the architect associated with time extension in the amount of \$29,480.00 and a time extension of 109 calendar days related to COVID-19 delays, approved by the Board on April 20, 2021.
- Change Order No. 3 – Time extension of 106 calendar days related to COVID-19 delays, approved by the Board on June 15, 2021.
- Change Order No. 4 – A deductive change order in the amount of \$840.00, for prevailing wage rate violation, approved by EPISD administration on November 30, 2021.
- Change Order No. 5 – Increase owner contingency in the amount of \$400,000.00, approved by the Board on January 18, 2022.
- Change Order No. 6 – Time extension of 265 calendar days a result of impact due to EPISD asbestos abatement contract review, approved by the Board on August 16, 2022.
- Change Order No. 7 – Time extension of 48 calendar days a result to the delay of moving portable classrooms from the site, approved by the Board on March 21, 2023.
- Change Order No. 8 – Deductive change order of owner contingency savings in the amount of \$15,469.57, approved by EPISD administration on March 1, 2024.

Project No.	Project Name	Contractor	Final Contract Amount	Final Payment
17.617	Bobby Joe Hill PK-8	Arrow Building Corporation	\$29,130,968.43	\$1,456,548.42

Substantial completion was achieved on March 20, 2023. All conditions for Final Acceptance of the work were achieved on May 23, 2024, 430 calendar days after achieving substantial completion. The reason it took 430 calendar days was due to the completion of punch list items added after the initial walkthrough and throughout this period, along with coordinating the work after-hours due to building

occupancy and the shortage of labor force, resulted in the completion of the punch list items on March 22, 2024. In addition, the pending "Contractor' Release of Claims" were submitted on March 25, 2024, and the release of the Roof Warranty for the elementary portion of the campus and cafeteria was obtained on May 23, 2024, due to a legal dispute between the general contractor and roofing sub-contractor.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board approve the Final Acceptance of the Work and Final Payment for Bobby Joe Hill PK-8, CSP No. 19-012, Project No. 17.617, to Arrow Building Corporation, in the amount of \$1,456,548.42.

**FUNDING SOURCE:** 689X Bond Funds **ACCOUNT NO.:** 689.81.6624.048.99.603.617

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:** \$1,456,548.42
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

Final payment will remain outstanding.

**IMPLEMENTATION TIMELINE:** Upon approval.

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

Description

- ▢ Final Payment Package
- ▢ Punchlist Package
- ▢ Punchlist Package Part 2

**PROJECT CLOSE-OUT FORM**

DATE: 4/12/2024

CONTRACTOR: Arrow Building Corporation

PROJECT FILE NAME: Bobby Joe Hill PK-8 Project No. 17.617

Project Description: New Elementary School, renovation of Terrace Hills Middle School, irrigation and landscaping

Project Engineer: \_\_\_\_\_

Architect/Engineer: Dekker/ Perich /Sabatini Architects

Prime Contractor: Arrow Building Corporation

Major Subcontractor-Electrical: Beltran Electrical

Major Subcontractor-Mechanical: FPG Mechanical

**FINAL ACCEPTANCE RECORD**

SUBSTANTIAL COMPLETION DATE: 3/20/23

FINAL ACCEPTANCE DATE: \_\_\_\_\_

	<u>Date Received</u>	<u>Comments</u>
Certificate of Occupancy:	3/20/23	
O & M Manuals:	3/12/24	
Warranty: Bonds	11/30/18	
Warranty: Guaranties	1/12/24 & 5/23/24	
Letter of Accept from A/E:	4/15/24	
A/E letter of TEA Design Certification:	3/4/24	
TDLR Final Inspection:	3/8/24	
Contractor' Release of Claims:	3/25/24	
<b>(Appendix 6)</b>		
Final Pay Request:	3/22/24	
<b>(AIA Form G702)</b>		
Record Document to A/E:	1/4/24	
Original Permit Card(s):	3/22/24	
Cert. Of Author. (Surety):	3/4/24	
<b>(AIA Form G707)</b>		
Punch list Completed:	3/22/24	
Key Submittals:	2/28/23	
Electronic Asbuilts	4/3/24	
Digital Close-out Documents:	3/12/24	
Asbestos Certification:	2/26/24	
Transfer of Utilities & Payment by Contractor		N/A
Training Log	2/24/24	
Job Cost Accountants Approval	4/18/24	

Project Manager (signature):  Date: 4/18/24

**Acknowledgement:**

Ernesto Ortiz,  
Director Maintenance,  
Buildings and Grounds

 Date: 18-Apr-24

After all appropriate signatures are obtained this form must be scanned for the electronic file.



# Certificate Of Final Acceptance

EPISD Project: Bobby Joe Hill PK-8

EPISD Project No. 17.617

Pursuant to Subparagraph 9.8.2 of the General Conditions of the Contract, Consultant (Architect/Engineer) hereby certifies as follows:

1. On March 5, 2024, Consultant received Contractor's written notice that the Work was ready for final inspection and acceptance and Consultant received Contractor's final Application for Payment;
2. On March 22, 2024 Consultant inspected the Work and has found the Work acceptable under the contract Documents and the Contract fully performed;
3. Consultant has issued a final Certificate of Payment and hereby certifies to the Owner that based on Consultant's professional judgment, training and experience and on the basis of Consultant's observations and inspections, the Work has been completed in accordance with the terms and conditions of the Contract Documents and that the entire balance found to be due the Contractor, and noted in said final Certificate for Payment, is due and payable;
4. Consultant represents that the conditions precedent to the Contractor's being entitled to final payment as set forth in Subparagraph 9.8.2 of the General Conditions have been fulfilled.

Accordingly, the date of Final Acceptance is therefore established as \_\_\_\_\_.

**Consultant:**

By: Dekker/Perich/Sabatini

Name: *Ken Woot*

Title: Architect's Representative

**ACCEPTED:**

**Contractor:**

By: Arrow Building Corp.

Name: *[Signature]*

Title: PRESIDENT

**OWNER'S APPROVAL**

**El Paso Independent School District**

By: \_\_\_\_\_

Name: Ernesto Ortiz

Title: Director Maintenance, Buildings and Grounds

**CONSENT OF  
SURETY COMPANY  
TO FINAL PAYMENT**

AIA DOCUMENT G707

OWNER   
ARCHITECT   
CONTRACTOR   
SURETY   
OTHER

Bond # 82328423

PROJECT: CSP No: 19-012 Additions and Renovations to Terrace Hills Middle School and Demolition of Existing Collins Elementary School (Bobby Joe Hill PK-8) Project No. 17.617  
(name, address)

TO (Owner) Board of Trustees of the El Paso Independent School District ARCHITECT'S PROJECT NO:  
1100 N. Stanton, 8th Floor CONTRACT FOR:  
El Paso, TX 79902 CONTRACT DATE: February 12, 2019

CONTRACTOR: Arrow Building Corp

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the  
(here insert name and address of Surety Company)

Federal Insurance Company  
202B Hall's Mill Road  
Whitehouse Station, NJ 08889

,SURETY COMPANY,

on bond of  
(here insert name and address of Contractor)

Arrow Building Corp  
6095 Surety Drive  
El Paso, TX 79905

,CONTRACTOR.

hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall  
not relieve the Surety company of any of its obligations to  
(here insert name and address of Owner)

Board of Trustees of the El Paso Independent School District  
1100 N. Stanton, 8th Floor  
El Paso, TX 79902

.OWNER,

as set forth in the said Surety Company's bond

IN WITNESS WHEREOF,

The Surety Company has hereunto set its hand this 4th day of March, 2024

Federal Insurance Company  
\_\_\_\_\_  
Surety Company  
\_\_\_\_\_  
Signature of Authorized Representative  
Tony Fierro, Attorney-in-Fact  
\_\_\_\_\_  
Title

Attest  
(seal):

NOTE: This form is to be used as a companion document to AIA DOCUMENT G706, CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBT AND CLAIMS,  
Current Edition

AIA DOCUMENT G707 \* CONSENT OF SURETY COMPANY TO FINAL PAYMENT \*APRIL 1970 EDITION \*AIA  
1970 THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW YORK AVE. NW WASHINGTON, D.C. 20006  
WARNING: Unlicensed photocopying violates U.S. copyright laws and is subject to legal prosecution.

Power of Attorney

Federal Insurance Company | Vigilant Insurance Company | Pacific Indemnity Company

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint Jeremy Barnett, Mistie Beck, Tony Fierro, Jay Jordan, Robert G. Kanuth, Johnny Moss, Jade Porter and Robert J. Shuya of El Paso and Rockwall, Texas

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 9th day of September, 2019.

Dawn M. Chloros

Dawn M. Chloros, Assistant Secretary

Stephen M. Haney

Stephen M. Haney, Vice President



STATE OF NEW JERSEY

County of Hunterdon

ss.

On this 9th day of September, 2019, before me, a Notary Public of New Jersey, personally came Dawn M. Chloros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros, being by me duly sworn, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of said Companies; and that she signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that she is acquainted with Stephen M. Haney, and knows him to be Vice President of said Companies; and that the signature of Stephen M. Haney, subscribed to said Power of Attorney is in the genuine handwriting of Stephen M. Haney, and was thereto subscribed by authority of said Companies and in deponent's presence.

Notarial Seal



KATHERINE J. ADELAAR
NOTARY PUBLIC OF NEW JERSEY
No. 2316665
Commission Expires July 16, 2024

[Signature]
Notary Public

CERTIFICATION

Resolutions adopted by the Boards of Directors of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY on August 30, 2016:

RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into in the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
(2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such person's written appointment as such attorney-in-fact.
(3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
(4) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing to any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
(5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested.

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

- (i) the foregoing Resolutions adopted by the Board of Directors of the Companies are true, correct and in full force and effect,
(ii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Whitehouse Station, NJ, this March 4, 2024



Dawn M. Chloros

Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT:
Telephone (908) 903-3493 Fax (908) 903-3656 e-mail: surety@chubb.com

**EPISU- APPLICATION AND CERTIFICATE FOR PAYMENT**

Page \_\_\_\_\_ of \_\_\_\_\_

**TO (OWNER):** EL PASO INDEPENDENT SCHOOL DISTRICT  
 1100 N. Slanton, 8th Floor  
 El Paso , Texas 79902

**FROM (CONTRACTOR):** Arrow Building Corp.  
 6095 Surety Drive  
 El Paso, Texas 79905

**PROJECT TITLE:** Bobby Joe Hill PK-8

**VIA (ARCHITECT):** Dekker/Perich/Sabatini Architecture  
 500 S. Taylor, Suite 750  
 Amarillo, Texas 79901

**APPLICATION NO.:** 45-Retainage  
**APPLICATION DATE.:** 03/03/24

**PERIOD FROM:** 11/30/23  
**PERIOD TO:** 03/31/24

**PROJECT NO.:** 17-617  
**PURCHASE ORDER:** 1916954  
**BID/CSP NO.:** 19-012  
**CONTRACT DATE:** 03/08/19  
**ACCOUNT STRING:** 689-81-6624-048-99-603-617

**Distribution to:**

X	OWNER
X	ARCHITECT
X	CONTRACTOR

**VENDOR #** 52970

**CONTRACTOR'S APPLICATION FOR PAYMENT**

Application is made for Payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

1 ORIGINAL CONTRACT SUM	\$	27,938,600.00
2 Net change by Change Orders	\$	1,192,368.43
3 CONTRACT SUM TO DATE (line 1 + 2)	\$	29,130,968.43
4 TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$	29,130,968.43
5 RETAINAGE:		
a. 0% % of Completed Work (Column D + E on G703)	\$	0.00
b. 5% % of Stored Material	\$	0.00
Total Retainage (Line 5a + 5b or Total in Column 1 G703)	\$	0.00
6 TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	\$	29,130,968.43
7 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$	27,674,420.01
8 CURRENT PAYMENT DUE	\$	1,456,548.42
9 BALANCE TO FINISH, PLUS RETAINAGE (Line 3 less Line 6)	\$	0.00

CHANGE ORDER SUMMARY		ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner			
Number 1	9/8/2020	\$838,158.00	
2	4/26/2021	\$0.00	-\$29,480.00
4	11/30/2021	\$0.00	-\$840.00
5	12/13/2021	\$400,000.00	\$0.00
6	2/27/2024	\$0.00	-\$15,469.57
TOTALS		\$1,238,158.00	-\$45,789.57
Net change by Change Orders			\$1,192,368.43

**CONTRACTOR:** Arrow Building Corp.  
 By: \_\_\_\_\_ Date: 3/8/24

**State of:** Texas  
 Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2024

**My Commission Expires:** \_\_\_\_\_  
**Notary Public:** \_\_\_\_\_



*Yvette Cordova*

**CERTIFICATE FOR PAYMENT**

In accordance with the Contractor Documents, based on on-site observations and the data comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the contractor is entitled to payment of the AMOUNT CERTIFIED.

**AMOUNT CERTIFIED** ..... \$1,456,548.42

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

**ARCHITECT/ENGINEER:** Dekker/Perich/Sabatini Architecture  
 By: *Ken Woot* Architect's Representative Date: April 15, 2024

Type Name/Title:  
 This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner under this Contract.



Oscar Jaloma

**CONTINUATION SHEET**

**Purchase Order Number: 1916954**

APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column 1 on Contracts where variable retainage for line items may apply.

APPLICATION NUMBER: 45-Retainage

APPLICATION DATE: 11/30/23

PERIOD TO: 03/31/24

PROJECT NO.: 17-617 Bobby Joe Hill PK-8

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		E THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	H BALANCE TO FINISH (C-G)	I RETAINAGE	J TOTAL EARNED MINUS RETAINAGE (G-I)	K LESS PREVIOUS CERTIFICATES FOR PAYMENT	L CURRENT PAYMENT DUE (J-K)
			FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD								
	<i>General Conditions</i>											
	General Conditions	1,701,471.00	1,701,471.00	-	-		\$1,701,471.00	\$0.00	\$85,073.55	\$1,616,397.45	\$1,616,397.45	\$85,073.55
	Permits	107,290.00	107,290.00	-	-		\$107,290.00	\$0.00	\$5,364.50	\$101,925.50	\$101,925.50	\$5,364.50
	Insurance	428,262.00	428,262.00	-	-		\$428,262.00	\$0.00	\$21,413.10	\$406,848.90	\$406,848.90	\$21,413.10
	Bond Premiums	358,592.00	358,592.00	-	-		\$358,592.00	\$0.00	\$17,929.60	\$340,662.40	\$340,662.40	\$17,929.60
	OH&P	951,932.00	951,932.00	-	-		\$951,932.00	\$0.00	\$47,596.60	\$904,335.40	\$904,335.40	\$47,596.60
	Change Order #1 - Owners Contingency											
	Change Order #2 - DPS Additional Services	(29,480.00)	(29,480.00)				-\$29,480.00	\$0.00	-\$1,474.00	-\$28,006.00	-\$28,006.00	-\$1,474.00
	Change Order #4 - Wage Rate Violation	(840.00)	(840.00)				-\$840.00	\$0.00	-\$42.00	-\$798.00	-\$798.00	-\$42.00
	<i>Division 2 - Existing Conditions</i>											
	Traffic Control	35,000.00	35,000.00	-	-		\$35,000.00	\$0.00	\$1,750.00	\$33,250.00	\$33,250.00	\$1,750.00
	Site Demolition	250,000.00	250,000.00	-	-		\$250,000.00	\$0.00	\$12,500.00	\$237,500.00	\$237,500.00	\$12,500.00
	Demolition Phase 1A	327,025.00	327,025.00	-	-		\$327,025.00	\$0.00	\$16,351.25	\$310,673.75	\$310,673.75	\$16,351.25
	Demolition Phase 2	104,000.00	104,000.00	-	-		\$104,000.00	\$0.00	\$5,200.00	\$98,800.00	\$98,800.00	\$5,200.00
	Demolition Phase 3A	251,394.00	251,394.00	-	-		\$251,394.00	\$0.00	\$12,569.70	\$238,824.30	\$238,824.30	\$12,569.70
	<i>Division 3 - Concrete</i>											
	Concrete Footings - Material	486,000.00	486,000.00	-	-		\$486,000.00	\$0.00	\$24,300.00	\$461,700.00	\$461,700.00	\$24,300.00
	Concrete Footings - Labor	563,273.00	563,273.00	-	-		\$563,273.00	\$0.00	\$28,163.65	\$535,109.35	\$535,109.35	\$28,163.65
	Concrete Slab on Grade - Material	535,400.00	535,400.00	-	-		\$535,400.00	\$0.00	\$26,770.00	\$508,630.00	\$508,630.00	\$26,770.00
	Concrete Slab on Grade - Labor	563,000.00	563,000.00	-	-		\$563,000.00	\$0.00	\$28,150.00	\$534,850.00	\$534,850.00	\$28,150.00
	Concrete Elevated Deck - Material	257,700.00	257,700.00	-	-		\$257,700.00	\$0.00	\$12,885.00	\$244,815.00	\$244,815.00	\$12,885.00
	Concrete Elevated Deck - Labor	241,744.00	241,744.00	-	-		\$241,744.00	\$0.00	\$12,087.20	\$229,656.80	\$229,656.80	\$12,087.20
	Colored Concrete - Material	17,500.00	17,500.00	-	-		\$17,500.00	\$0.00	\$875.00	\$16,625.00	\$16,625.00	\$875.00
	Colored Concrete - Labor	17,900.00	17,900.00	-	-		\$17,900.00	\$0.00	\$895.00	\$17,005.00	\$17,005.00	\$895.00
	Concrete Sidewalks - Material	175,000.00	175,000.00	-	-		\$175,000.00	\$0.00	\$8,750.00	\$166,250.00	\$166,250.00	\$8,750.00
	Concrete Sidewalks - Labor	195,000.00	195,000.00	-	-		\$195,000.00	\$0.00	\$9,750.00	\$185,250.00	\$185,250.00	\$9,750.00
	Concrete Curbs - Material	95,000.00	95,000.00	-	-		\$95,000.00	\$0.00	\$4,750.00	\$90,250.00	\$90,250.00	\$4,750.00
	Concrete Curbs - Labor	115,000.00	115,000.00	-	-		\$115,000.00	\$0.00	\$5,750.00	\$109,250.00	\$109,250.00	\$5,750.00
	Concrete Misc. Pads and Bollards - Material	15,000.00	15,000.00	-	-		\$15,000.00	\$0.00	\$750.00	\$14,250.00	\$14,250.00	\$750.00
	Concrete Misc. Pads and Bollards - Labor	4,500.00	4,500.00	-	-		\$4,500.00	\$0.00	\$225.00	\$4,275.00	\$4,275.00	\$225.00
	Polished Concrete - Material	46,526.00	46,526.00	-	-		\$46,526.00	\$0.00	\$2,326.30	\$44,199.70	\$44,199.70	\$2,326.30
	Polished Concrete - Labor	69,789.00	69,789.00	-	-		\$69,789.00	\$0.00	\$3,489.45	\$66,299.55	\$66,299.55	\$3,489.45
	<i>Division 4 - Masonry</i>											
	Masonry CMU/Brick - Material	15,000.00	15,000.00	-	-		\$15,000.00	\$0.00	\$750.00	\$14,250.00	\$14,250.00	\$750.00
	Masonry CMU/Brick - Labor	10,000.00	10,000.00	-	-		\$10,000.00	\$0.00	\$500.00	\$9,500.00	\$9,500.00	\$500.00
	<i>Division 5 - Metals</i>											
	Anchor Bolts/Rebar/Wire Mesh - Material	164,356.00	164,356.00	-	-		\$164,356.00	\$0.00	\$8,217.80	\$156,138.20	\$156,138.20	\$8,217.80

Purchase Order Number: 1916954

CONTINUATION SHEET

APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.  
 APPLICATION NUMBER: 45-Retainage  
 APPLICATION DATE: 11/30/23  
 PERIOD TO: 03/31/24  
 PROJECT NO.: 17-617 Bobby Joe Hill PK-8

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		E THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	H BALANCE TO FINISH (C - G)	I RETAINAGE	J TOTAL EARNED MINUS RETAINAGE (G - I)	K LESS PREVIOUS CERTIFICATES FOR PAYMENT	L CURRENT PAYMENT DUE (J - K)
			FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD								
	Structural Steel/Joist/Deck - Material	1,100,000.00	1,100,000.00	-	-	-	\$1,100,000.00	\$0.00	\$55,000.00	\$1,045,000.00	\$1,045,000.00	\$55,000.00
	Steel Erection - Labor	684,525.00	684,525.00	-	-	-	\$684,525.00	\$0.00	\$34,226.25	\$650,298.75	\$650,298.75	\$34,226.25
	Misc. Steel - Material	370,000.00	370,000.00	-	-	-	\$370,000.00	\$0.00	\$18,500.00	\$351,500.00	\$351,500.00	\$18,500.00
	Misc. Steel - Labor	19,308.00	19,308.00	-	-	-	\$19,308.00	\$0.00	\$965.40	\$18,342.60	\$18,342.60	\$965.40
	Decorative Metal Panels	150,000.00	150,000.00	-	-	-	\$150,000.00	\$0.00	\$7,500.00	\$142,500.00	\$142,500.00	\$7,500.00
	<i>Division 6 - Wood, Plastics &amp; Composites</i>											
	Rough Carpentry - Material	95,000.00	95,000.00	-	-	-	\$95,000.00	\$0.00	\$4,750.00	\$90,250.00	\$90,250.00	\$4,750.00
	Rough Carpentry - Labor	59,204.00	59,204.00	-	-	-	\$59,204.00	\$0.00	\$2,960.20	\$56,243.80	\$56,243.80	\$2,960.20
	FRP - Material	15,000.00	15,000.00	-	-	-	\$15,000.00	\$0.00	\$750.00	\$14,250.00	\$14,250.00	\$750.00
	FRP - Labor	10,000.00	10,000.00	-	-	-	\$10,000.00	\$0.00	\$500.00	\$9,500.00	\$9,500.00	\$500.00
	Millwork - Material	273,620.00	273,620.00	-	-	-	\$273,620.00	\$0.00	\$13,681.00	\$259,939.00	\$259,939.00	\$13,681.00
	Millwork - Labor	184,080.00	184,080.00	-	-	-	\$184,080.00	\$0.00	\$9,204.00	\$174,876.00	\$174,876.00	\$9,204.00
	<i>Division 7 - Thermal &amp; Moisture Protect</i>											
	Waterproofing - Material	15,000.00	15,000.00	-	-	-	\$15,000.00	\$0.00	\$750.00	\$14,250.00	\$14,250.00	\$750.00
	Waterproofing - Labor	10,000.00	10,000.00	-	-	-	\$10,000.00	\$0.00	\$500.00	\$9,500.00	\$9,500.00	\$500.00
	Building Insulation - Material	20,000.00	20,000.00	-	-	-	\$20,000.00	\$0.00	\$1,000.00	\$19,000.00	\$19,000.00	\$1,000.00
	Building Insulation - Labor	9,952.00	9,952.00	-	-	-	\$9,952.00	\$0.00	\$497.60	\$9,454.40	\$9,454.40	\$497.60
	Building Sealants - Material	10,000.00	10,000.00	-	-	-	\$10,000.00	\$0.00	\$500.00	\$9,500.00	\$9,500.00	\$500.00
	Building Sealants - Labor	7,985.00	7,985.00	-	-	-	\$7,985.00	\$0.00	\$399.25	\$7,585.75	\$7,585.75	\$399.25
	Expansion Joint Covers - Material	10,000.00	10,000.00	-	-	-	\$10,000.00	\$0.00	\$500.00	\$9,500.00	\$9,500.00	\$500.00
	Expansion Joint Covers - Labor	2,241.00	2,241.00	-	-	-	\$2,241.00	\$0.00	\$112.05	\$2,128.95	\$2,128.95	\$112.05
	Firestopping, Penetration Seal - Material	6,000.00	6,000.00	-	-	-	\$6,000.00	\$0.00	\$300.00	\$5,700.00	\$5,700.00	\$300.00
	Firestopping, Penetration Seal - Labor	4,000.00	4,000.00	-	-	-	\$4,000.00	\$0.00	\$200.00	\$3,800.00	\$3,800.00	\$200.00
	Metal Wall Panels - Material	210,600.00	210,600.00	-	-	-	\$210,600.00	\$0.00	\$10,530.00	\$200,070.00	\$200,070.00	\$10,530.00
	Metal Wall Panels - Labor	140,400.00	140,400.00	-	-	-	\$140,400.00	\$0.00	\$7,020.00	\$133,380.00	\$133,380.00	\$7,020.00
	TPO Roofing - Material	\$10,000.00	\$10,000.00	-	-	-	\$510,000.00	\$0.00	\$25,500.00	\$484,500.00	\$484,500.00	\$25,500.00
	TPO Roofing - Labor	361,200.00	361,200.00	-	-	-	\$361,200.00	\$0.00	\$18,060.00	\$343,140.00	\$343,140.00	\$18,060.00
	Flashings, Gutters DS & Trim - Material	30,000.00	30,000.00	-	-	-	\$30,000.00	\$0.00	\$1,500.00	\$28,500.00	\$28,500.00	\$1,500.00
	Flashings, Gutters DS & Trim - Labor	26,800.00	26,800.00	-	-	-	\$26,800.00	\$0.00	\$1,340.00	\$25,460.00	\$25,460.00	\$1,340.00
	<i>Division 8 - Openings</i>											
	H/M Frames - Material	72,240.00	72,240.00	-	-	-	\$72,240.00	\$0.00	\$3,612.00	\$68,628.00	\$68,628.00	\$3,612.00
	H/M Frames - Labor	30,740.00	30,740.00	-	-	-	\$30,740.00	\$0.00	\$1,537.00	\$29,203.00	\$29,203.00	\$1,537.00
	H/M Doors - Material	9,500.00	9,500.00	-	-	-	\$9,500.00	\$0.00	\$475.00	\$9,025.00	\$9,025.00	\$475.00
	H/M Doors - Labor	5,000.00	5,000.00	-	-	-	\$5,000.00	\$0.00	\$250.00	\$4,750.00	\$4,750.00	\$250.00
	Pre-Finished Wood Doors - Material	62,840.00	62,840.00	-	-	-	\$62,840.00	\$0.00	\$3,142.00	\$59,698.00	\$59,698.00	\$3,142.00
	Pre-Finished Wood Doors - Labor	37,707.00	37,707.00	-	-	-	\$37,707.00	\$0.00	\$1,885.35	\$35,821.65	\$35,821.65	\$1,885.35
	Sound Control Doors - Material	65,440.00	65,440.00	-	-	-	\$65,440.00	\$0.00	\$3,272.00	\$62,168.00	\$62,168.00	\$3,272.00
	Sound Control Doors - Labor	33,300.00	33,300.00	-	-	-	\$33,300.00	\$0.00	\$1,665.00	\$31,635.00	\$31,635.00	\$1,665.00
	Finish Hardware - Material	118,000.00	118,000.00	-	-	-	\$118,000.00	\$0.00	\$5,900.00	\$112,100.00	\$112,100.00	\$5,900.00
	Finish Hardware - Labor	37,800.00	37,800.00	-	-	-	\$37,800.00	\$0.00	\$1,890.00	\$35,910.00	\$35,910.00	\$1,890.00

**CONTINUATION SHEET**

**Purchase Order Number: 1916954**

APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column 1 on Contracts where variable retainage for line items may apply:

APPLICATION NUMBER: 45-Retainage

APPLICATION DATE: 11/30/23

PERIOD TO: 03/31/24

PROJECT NO.: 17-617 Bobby Joe Hill PK-8

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		E THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	H BALANCE TO FINISH (C-G)	I RETAINAGE	J TOTAL EARNED MINUS RETAINAGE (G-I)	K LESS PREVIOUS CERTIFICATES FOR PAYMENT	L CURRENT PAYMENT DUE (J-K)
			FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD								
	Translucent Panels - Material	25,269.00		25,269.00	-		\$25,269.00	\$0.00	\$1,263.45	\$24,005.55	\$24,005.55	\$1,263.45
	Translucent Panels - Labor	16,846.00		16,846.00	-		\$16,846.00	\$0.00	\$842.30	\$16,003.70	\$16,003.70	\$842.30
	Aluminum Frames - Material	115,000.00		115,000.00	-		\$115,000.00	\$0.00	\$5,750.00	\$109,250.00	\$109,250.00	\$5,750.00
	Aluminum Frames - Labor	65,000.00		65,000.00	-		\$65,000.00	\$0.00	\$3,250.00	\$61,750.00	\$61,750.00	\$3,250.00
	Aluminum Entrances - Material	75,000.00		75,000.00	-		\$75,000.00	\$0.00	\$3,750.00	\$71,250.00	\$71,250.00	\$3,750.00
	Aluminum Entrances - Labor	62,809.00		62,809.00	-		\$62,809.00	\$0.00	\$3,140.45	\$59,668.55	\$59,668.55	\$3,140.45
	Glass & Glazing - Material	85,000.00		85,000.00	-		\$85,000.00	\$0.00	\$4,250.00	\$80,750.00	\$80,750.00	\$4,250.00
	Glass & Glazing - Labor	65,000.00		65,000.00	-		\$65,000.00	\$0.00	\$3,250.00	\$61,750.00	\$61,750.00	\$3,250.00
	<i>Division 9 - Finishes</i>											
	EIFS - Material	198,000.00		198,000.00	-		\$198,000.00	\$0.00	\$9,900.00	\$188,100.00	\$188,100.00	\$9,900.00
	EIFS - Labor	198,000.00		198,000.00	-		\$198,000.00	\$0.00	\$9,900.00	\$188,100.00	\$188,100.00	\$9,900.00
	Exterior Framing & Sheathing - Material	647,720.00		647,720.00	-		\$647,720.00	\$0.00	\$32,386.00	\$615,334.00	\$615,334.00	\$32,386.00
	Exterior Framing & Sheathing - Labor	383,000.00		383,000.00	-		\$383,000.00	\$0.00	\$19,150.00	\$363,850.00	\$363,850.00	\$19,150.00
	Interior Mt Stud Framing - Material	461,773.00		461,773.00	-		\$461,773.00	\$0.00	\$23,088.65	\$438,684.35	\$438,684.35	\$23,088.65
	Interior Mt Stud Framing - Labor	327,378.00		327,378.00	-		\$327,378.00	\$0.00	\$16,368.90	\$311,009.10	\$311,009.10	\$16,368.90
	Interior Gypsum Board - Material	319,534.00		319,534.00	-		\$319,534.00	\$0.00	\$15,976.70	\$303,557.30	\$303,557.30	\$15,976.70
	Interior Gypsum Board - Labor	254,500.00		254,500.00	-		\$254,500.00	\$0.00	\$12,725.00	\$241,775.00	\$241,775.00	\$12,725.00
	Gyp Board Tape & Float - Material	61,450.00		61,450.00	-		\$61,450.00	\$0.00	\$3,072.50	\$58,377.50	\$58,377.50	\$3,072.50
	Gyp Board Tape & Float - Labor	122,800.00		122,800.00	-		\$122,800.00	\$0.00	\$6,140.00	\$116,660.00	\$116,660.00	\$6,140.00
	Quarry Tile - Material	64,500.00		64,500.00	-		\$64,500.00	\$0.00	\$3,225.00	\$61,275.00	\$61,275.00	\$3,225.00
	Quarry Tile - Labor	59,717.00		59,717.00	-		\$59,717.00	\$0.00	\$2,985.85	\$56,731.15	\$56,731.15	\$2,985.85
	Porcelain Tile - Material	64,700.00		64,700.00	-		\$64,700.00	\$0.00	\$3,235.00	\$61,465.00	\$61,465.00	\$3,235.00
	Porcelain Tile - Labor	48,717.00		48,717.00	-		\$48,717.00	\$0.00	\$2,435.85	\$46,281.15	\$46,281.15	\$2,435.85
	Graffiti Control - Material	75,000.00		75,000.00	-		\$75,000.00	\$0.00	\$3,750.00	\$71,250.00	\$71,250.00	\$3,750.00
	Graffiti Control - Labor	35,000.00		35,000.00	-		\$35,000.00	\$0.00	\$1,750.00	\$33,250.00	\$33,250.00	\$1,750.00
	Acoustical Lay In Ceiling - Material	235,000.00		235,000.00	-		\$235,000.00	\$0.00	\$11,750.00	\$223,250.00	\$223,250.00	\$11,750.00
	Acoustical Lay In Ceiling - Labor	98,800.00		98,800.00	-		\$98,800.00	\$0.00	\$4,940.00	\$93,860.00	\$93,860.00	\$4,940.00
	Acoustical Wall Panels - Material	78,000.00		78,000.00	-		\$78,000.00	\$0.00	\$3,900.00	\$74,100.00	\$74,100.00	\$3,900.00
	Acoustical Wall Panels - Labor	20,000.00		20,000.00	-		\$20,000.00	\$0.00	\$1,000.00	\$19,000.00	\$19,000.00	\$1,000.00
	Wood Ceiling - Material	100,000.00		100,000.00	-		\$100,000.00	\$0.00	\$5,000.00	\$95,000.00	\$95,000.00	\$5,000.00
	Wood Ceiling - Labor	20,000.00		20,000.00	-		\$20,000.00	\$0.00	\$1,000.00	\$19,000.00	\$19,000.00	\$1,000.00
	Resilient Tile Flooring - Material	87,794.00		87,794.00	-		\$87,794.00	\$0.00	\$4,389.70	\$83,404.30	\$83,404.30	\$4,389.70
	Resilient Tile Flooring - Labor	98,330.00		98,330.00	-		\$98,330.00	\$0.00	\$4,916.50	\$93,413.50	\$93,413.50	\$4,916.50
	Carpet & Base - Material	87,794.00		87,794.00	-		\$87,794.00	\$0.00	\$4,389.70	\$83,404.30	\$83,404.30	\$4,389.70
	Carpet & Base - Labor	14,440.00		14,440.00	-		\$14,440.00	\$0.00	\$722.00	\$13,718.00	\$13,718.00	\$722.00
	Painting - Material	120,000.00		120,000.00	-		\$120,000.00	\$0.00	\$6,000.00	\$114,000.00	\$114,000.00	\$6,000.00
	Painting - Labor	120,000.00		120,000.00	-		\$120,000.00	\$0.00	\$6,000.00	\$114,000.00	\$114,000.00	\$6,000.00
	Glazed Wall Tile - Material	30,200.00		30,200.00	-		\$30,200.00	\$0.00	\$1,510.00	\$28,690.00	\$28,690.00	\$1,510.00
	Glazed Wall Tile - Labor	25,000.00		25,000.00	-		\$25,000.00	\$0.00	\$1,250.00	\$23,750.00	\$23,750.00	\$1,250.00
	Vinyl Wall Covering - Material	35,000.00		35,000.00	-		\$35,000.00	\$0.00	\$1,750.00	\$33,250.00	\$33,250.00	\$1,750.00
	Vinyl Wall Covering - Labor	22,945.00		22,945.00	-		\$22,945.00	\$0.00	\$1,147.75	\$21,797.25	\$21,797.25	\$1,147.75





Purchase Order Number: 1916954

CONINUATION SHEET

APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.  
 APPLICATION NUMBER: 45-Retainage  
 APPLICATION DATE: 11/30/23  
 PERIOD TO: 03/31/24  
 PROJECT NO.: 17-617 Bobby Joe Hill PK-8

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		E THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	H BALANCE TO FINISH (C - G)	I RETAINAGE	J TOTAL EARNED MINUS RETAINAGE (G - I)	K LESS PREVIOUS CERTIFICATES FOR PAYMENT	L CURRENT PAYMENT DUE (J - K)
			FROM PREVIOUS APPLICATION (D+E)	WORK COMPLETED THIS PERIOD								
	Electrical Underground - Material	160,500.00	160,500.00	-	-	-	160,500.00	\$0.00	\$8,025.00	\$152,475.00	\$152,475.00	\$8,025.00
	Electrical Underground - Labor	107,074.00	107,074.00	-	-	-	107,074.00	\$0.00	\$5,353.70	\$101,720.30	\$101,720.30	\$5,353.70
	Electrical AG Rough In - Material	240,817.00	240,817.00	-	-	-	240,817.00	\$0.00	\$12,040.85	\$228,776.15	\$228,776.15	\$12,040.85
	Electrical AG Rough In - Labor	240,817.00	240,817.00	-	-	-	240,817.00	\$0.00	\$12,040.85	\$228,776.15	\$228,776.15	\$12,040.85
	Electrical Feeders/Panels/Wiring - Material	313,287.00	313,287.00	-	-	-	313,287.00	\$0.00	\$15,664.35	\$297,622.65	\$297,622.65	\$15,664.35
	Electrical Feeders/Panels/Wiring - Labor	247,649.00	247,649.00	-	-	-	247,649.00	\$0.00	\$12,382.45	\$235,266.55	\$235,266.55	\$12,382.45
	Electrical Fixtures - Material	310,000.00	310,000.00	-	-	-	310,000.00	\$0.00	\$15,500.00	\$294,500.00	\$294,500.00	\$15,500.00
	Electrical Fixtures - Labor	198,392.00	198,392.00	-	-	-	198,392.00	\$0.00	\$9,919.60	\$188,472.40	\$188,472.40	\$9,919.60
	Electrical HVAC & Motors - Material	163,000.00	163,000.00	-	-	-	163,000.00	\$0.00	\$8,150.00	\$154,850.00	\$154,850.00	\$8,150.00
	Electrical HVAC & Motors - Labor	104,574.00	104,574.00	-	-	-	104,574.00	\$0.00	\$5,228.70	\$99,345.30	\$99,345.30	\$5,228.70
	Electrical Trim - Material	55,000.00	55,000.00	-	-	-	55,000.00	\$0.00	\$2,750.00	\$52,250.00	\$52,250.00	\$2,750.00
	Electrical Trim - Labor	38,000.00	38,000.00	-	-	-	38,000.00	\$0.00	\$1,900.00	\$36,100.00	\$36,100.00	\$1,900.00
	Electrical Site Lighting - Material	85,000.00	85,000.00	-	-	-	85,000.00	\$0.00	\$4,250.00	\$80,750.00	\$80,750.00	\$4,250.00
	Electrical Site Lighting - Labor	48,787.00	48,787.00	-	-	-	48,787.00	\$0.00	\$2,439.35	\$46,347.65	\$46,347.65	\$2,439.35
	Electrical Site Utilities - Material	79,800.00	79,800.00	-	-	-	79,800.00	\$0.00	\$3,990.00	\$75,810.00	\$75,810.00	\$3,990.00
	Electrical Site Utilities - Labor	53,992.00	53,992.00	-	-	-	53,992.00	\$0.00	\$2,699.60	\$51,292.40	\$51,292.40	\$2,699.60
	<b>Division 27 - Technology</b>											
	Communication Trays/Cabling - Material	26,400.00	26,400.00	-	-	-	26,400.00	\$0.00	\$1,320.00	\$25,080.00	\$25,080.00	\$1,320.00
	Communication Trays/Cabling - Labor	17,600.00	17,600.00	-	-	-	17,600.00	\$0.00	\$880.00	\$16,720.00	\$16,720.00	\$880.00
	<b>Division 28 - Electronic Safety</b>											
	Fire Alarm System - Material	137,550.00	137,550.00	-	-	-	137,550.00	\$0.00	\$6,877.50	\$130,672.50	\$130,672.50	\$6,877.50
	Fire Alarm System - Labor	91,700.00	91,700.00	-	-	-	91,700.00	\$0.00	\$4,585.00	\$87,115.00	\$87,115.00	\$4,585.00
	<b>Division 31 - Earthwork</b>											
	Building Pad - Material	487,200.00	487,200.00	-	-	-	487,200.00	\$0.00	\$24,360.00	\$462,840.00	\$462,840.00	\$24,360.00
	Building Pad - Labor	324,800.00	324,800.00	-	-	-	324,800.00	\$0.00	\$16,240.00	\$308,560.00	\$308,560.00	\$16,240.00
	Base Course - Material	167,000.00	167,000.00	-	-	-	167,000.00	\$0.00	\$8,350.00	\$158,650.00	\$158,650.00	\$8,350.00
	Base Course - Labor	106,500.00	106,500.00	-	-	-	106,500.00	\$0.00	\$5,325.00	\$101,175.00	\$101,175.00	\$5,325.00
	Asphalt Paving - Material	175,000.00	175,000.00	-	-	-	175,000.00	\$0.00	\$8,750.00	\$166,250.00	\$166,250.00	\$8,750.00
	Asphalt Paving - Labor	106,500.00	106,500.00	-	-	-	106,500.00	\$0.00	\$5,325.00	\$101,175.00	\$101,175.00	\$5,325.00
	Storm Drainage - Material	168,000.00	168,000.00	-	-	-	168,000.00	\$0.00	\$8,400.00	\$159,600.00	\$159,600.00	\$8,400.00
	Storm Drainage - Labor	112,000.00	112,000.00	-	-	-	112,000.00	\$0.00	\$5,600.00	\$106,400.00	\$106,400.00	\$5,600.00
	Erosion Control - Material	6,000.00	6,000.00	-	-	-	6,000.00	\$0.00	\$300.00	\$5,700.00	\$5,700.00	\$300.00
	Erosion Control - Labor	4,000.00	4,000.00	-	-	-	4,000.00	\$0.00	\$200.00	\$3,800.00	\$3,800.00	\$200.00
	Termite Control - Material	9,000.00	9,000.00	-	-	-	9,000.00	\$0.00	\$450.00	\$8,550.00	\$8,550.00	\$450.00
	Termite Control - Labor	6,000.00	6,000.00	-	-	-	6,000.00	\$0.00	\$300.00	\$5,700.00	\$5,700.00	\$300.00
	Micro Pile - Material	15,000.00	15,000.00	-	-	-	15,000.00	\$0.00	\$750.00	\$14,250.00	\$14,250.00	\$750.00
	Micro Pile - Labor	10,000.00	10,000.00	-	-	-	10,000.00	\$0.00	\$500.00	\$9,500.00	\$9,500.00	\$500.00
	<b>Division 32 - Exterior Improvements</b>											

**CONTINUATION SHEET**

**Purchase Order Number: 1916954**

APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column 1 on Contracts where variable retainage for line items may apply:

APPLICATION NUMBER: 45-Retainage

APPLICATION DATE: 11/30/23

PERIOD TO: 03/31/24

PROJECT NO.: 17-617 Bobby Joe Hill PK-8

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		E THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	H BALANCE TO FINISH (C - G)	I RETAINAGE	This Section --Grand Total Per Campus		
			FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD						J TOTAL EARNED MINUS RETAINAGE (G - I)	K LESS PREVIOUS CERTIFICATES FOR PAYMENT	L CURRENT PAYMENT DUE (J - K)
	Pavement Markings - Material	29,076.00		29,076.00	-		\$29,076.00	\$0.00	\$1,453.80	\$27,622.20	\$27,622.20	\$1,453.80
	Pavement Markings - Labor	19,384.00		19,384.00	-		\$19,384.00	\$0.00	\$969.20	\$18,414.80	\$18,414.80	\$969.20
	Rockwork - Material	13,500.00		13,500.00	-		\$13,500.00	\$0.00	\$675.00	\$12,825.00	\$12,825.00	\$675.00
	Rockwork - Labor	9,000.00		9,000.00	-		\$9,000.00	\$0.00	\$450.00	\$8,550.00	\$8,550.00	\$450.00
	Chain Link Fencing - Material	11,880.00		11,880.00	-		\$11,880.00	\$0.00	\$594.00	\$11,286.00	\$11,286.00	\$594.00
	Chain Link Fencing - Labor	7,920.00		7,920.00	-		\$7,920.00	\$0.00	\$396.00	\$7,524.00	\$7,524.00	\$396.00
	Basketball Stops - Material	15,000.00		15,000.00	-		\$15,000.00	\$0.00	\$750.00	\$14,250.00	\$14,250.00	\$750.00
	Basketball Stops - Labor	2,800.00		2,800.00	-		\$2,800.00	\$0.00	\$140.00	\$2,660.00	\$2,660.00	\$140.00
	Site Furnishings - Material	13,500.00		13,500.00	-		\$13,500.00	\$0.00	\$675.00	\$12,825.00	\$12,825.00	\$675.00
	Site Furnishings - Labor	9,000.00		9,000.00	-		\$9,000.00	\$0.00	\$450.00	\$8,550.00	\$8,550.00	\$450.00
	Landscaping - Material	189,410.00		189,410.00	-		\$189,410.00	\$0.00	\$9,470.50	\$179,939.50	\$179,939.50	\$9,470.50
	Landscaping - Labor	126,247.00		126,247.00	-		\$126,247.00	\$0.00	\$6,312.35	\$119,934.65	\$119,934.65	\$6,312.35
	Pavers - Material	26,865.00		26,865.00	-		\$26,865.00	\$0.00	\$1,343.25	\$25,521.75	\$25,521.75	\$1,343.25
	Pavers - Labor	17,910.00		17,910.00	-		\$17,910.00	\$0.00	\$895.50	\$17,014.50	\$17,014.50	\$895.50
	<b>OWNER'S CONTINGENCY - BALANCE</b>											
	Starting Balance: \$838,158.00 + \$480,000											
	PCO 15 / CEA #01 - EIFS Credit	(200,000.00)		(200,000.00)	-		-\$200,000.00	\$0.00	-\$10,000.00	-\$190,000.00	-\$190,000.00	-\$10,000.00
	PCO 12 / CEA #02 - Pattem Lift Credit	(7,432.99)		(7,432.99)	-		-\$7,432.99	\$0.00	-\$371.65	-\$7,061.34	-\$7,061.34	-\$371.65
	PCO 13 / CEA #03 - Playground	270,299.68		270,299.68	-		\$270,299.68	\$0.00	\$13,514.98	\$256,784.70	\$256,784.70	\$13,514.98
	PCO 24 / CEA #04 - Quality Testing Credit	(682.50)		(682.50)	-		-\$682.50	\$0.00	-\$34.13	-\$648.38	-\$648.38	-\$34.13
	PCO 16 / CEA #05 - PA System	235,513.19		235,513.19	-		\$235,513.19	\$0.00	\$11,775.66	\$223,737.53	\$223,737.53	\$11,775.66
	PCO 18 / CEA #06 - Power & Data Office 104	1,385.65		1,385.65	-		\$1,385.65	\$0.00	\$69.28	\$1,316.37	\$1,316.37	\$69.28
	PCO 17 / CEA #07 - HVAC & Plumb Demo	6,247.31		6,247.31	-		\$6,247.31	\$0.00	\$312.37	\$5,934.94	\$5,934.94	\$312.37
	PCO 19 / CEA #08 - Library Revisions Power & Data	2,793.51		2,793.51	-		\$2,793.51	\$0.00	\$139.88	\$2,653.63	\$2,653.63	\$139.88
	PCO 25 / CEA #09 - Site Gate Valve Replacements	4,863.58		4,863.58	-		\$4,863.58	\$0.00	\$243.18	\$4,620.40	\$4,620.40	\$243.18
	PCO 26 / CEA #10 - Site Sewer Line Relocation Gym	2,470.79		2,470.79	-		\$2,470.79	\$0.00	\$123.54	\$2,347.25	\$2,347.25	\$123.54
	PCO 27 / CEA #11 - Collins Hydronic Loop lines	10,318.67		10,318.67	-		\$10,318.67	\$0.00	\$515.93	\$9,802.74	\$9,802.74	\$515.93
	PCO 28 / CEA #12 - New Roof drains and overflows	9,237.27		9,237.27	-		\$9,237.27	\$0.00	\$461.86	\$8,775.41	\$8,775.41	\$461.86
	PCO 31 / CEA #13 - Tree removal	2,593.60		2,593.60	-		\$2,593.60	\$0.00	\$129.68	\$2,463.92	\$2,463.92	\$129.68
	PCO 32 / CEA #14 - Electrical for VRF Equipment	2,464.60		2,464.60	-		\$2,464.60	\$0.00	\$123.23	\$2,341.37	\$2,341.37	\$123.23
	PCO 33 / CEA #15 - Electrical for Water Heaters	6,997.82		6,997.82	-		\$6,997.82	\$0.00	\$349.89	\$6,647.93	\$6,647.93	\$349.89
	PCO 34 / CEA #16 - Electrical for Hot Boxes	4,393.37		4,393.37	-		\$4,393.37	\$0.00	\$219.67	\$4,173.70	\$4,173.70	\$219.67
	PCO 35 / CEA #17 - Electrical for RTU 91-92	3,252.27		3,252.27	-		\$3,252.27	\$0.00	\$162.61	\$3,089.66	\$3,089.66	\$162.61
	PCO 36 / CEA #18 - Power for Exhaust Fan 28	1,733.46		1,733.46	-		\$1,733.46	\$0.00	\$86.67	\$1,646.79	\$1,646.79	\$86.67
	PCO 37 / CEA #19 - Power for Cond Unit 6 & 10	1,722.40		1,722.40	-		\$1,722.40	\$0.00	\$86.12	\$1,636.28	\$1,636.28	\$86.12
	PCO 29 / CEA #20 - Moving services	60,000.00		60,000.00	-		\$60,000.00	\$0.00	\$3,000.00	\$57,000.00	\$57,000.00	\$3,000.00
	PCO 14 / CEA #21 - Storm sewer at library	105,303.09		105,303.09	-		\$105,303.09	\$0.00	\$5,265.15	\$100,037.94	\$100,037.94	\$5,265.15
	PCO 20 / CEA #22 - Classroom Windows	46,710.07		46,710.07	-		\$46,710.07	\$0.00	\$2,335.50	\$44,374.57	\$44,374.57	\$2,335.50
	PCO 22 / CEA #23 - Library restroom renovations	87,846.27		87,846.27	-		\$87,846.27	\$0.00	\$4,392.31	\$83,453.96	\$83,453.96	\$4,392.31
	PCO 30 / CEA #24 - Tie in temp roof drains	46,160.63		46,160.63	-		\$46,160.63	\$0.00	\$2,308.03	\$43,852.60	\$43,852.60	\$2,308.03
	PCO 42 / CEA #25 - Reroute exist roof drains	8,307.82		8,307.82	-		\$8,307.82	\$0.00	\$415.39	\$7,892.43	\$7,892.43	\$415.39

Purchase Order Number: 1916954

CONINUATION SHEET

APPLICATION NUMBER: 45-Retainage  
 APPLICATION DATE: 11/30/23  
 PERIOD TO: 03/31/24  
 PROJECT NO.: 17-617 Bobby Joe Hill PK-8

APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.  
 In tabulations below, amounts are stated to the nearest dollar.  
 Use Column 1 on Contracts where variable retainage for line items may apply.

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE		D WORK COMPLETED		E THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	H BALANCE TO FINISH (C - G)	I RETAINAGE	J TOTAL EARNED MINUS RETAINAGE (G - I)	K LESS PREVIOUS CERTIFICATES FOR PAYMENT	L CURRENT PAYMENT DUE (J - K)
		FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD										
PCO 39 / CEA #26 - FEMA door labeling	2,444.64	2,444.64	2,444.64	-	-	\$122.23	\$2,322.41	\$0.00	\$122.23	\$2,322.41	\$2,322.41	\$122.23	
PCO 40 / CEA #27 - Temp ADA Parking	3,939.99	3,939.99	3,939.99	-	-	\$197.00	\$3,742.99	\$0.00	\$197.00	\$3,742.99	\$3,742.99	\$197.00	
PCO 45 / CEA #28 - Provided Drywall at MS	109,395.65	109,395.65	109,395.65	-	-	\$5,469.78	\$103,925.87	\$0.00	\$5,469.78	\$103,925.87	\$103,925.87	\$5,469.78	
PCO 46 / CEA #29 - Condit at L library	26,279.09	26,279.09	26,279.09	-	-	\$1,313.95	\$24,965.14	\$0.00	\$1,313.95	\$24,965.14	\$24,965.14	\$1,313.95	
PCO 47 / CEA #30 - Additional Demo Terrace	17,446.00	17,446.00	17,446.00	-	-	\$872.30	\$16,573.70	\$0.00	\$872.30	\$16,573.70	\$16,573.70	\$872.30	
PCO 48 / CEA #31 - Floor drain at Eye Wash	6,711.49	6,711.49	6,711.49	-	-	\$335.57	\$6,375.92	\$0.00	\$335.57	\$6,375.92	\$6,375.92	\$335.57	
PCO 43 / CEA #32 - Add CO Detectors	75,109.53	75,109.53	75,109.53	-	-	\$3,755.48	\$71,354.05	\$0.00	\$3,755.48	\$71,354.05	\$71,354.05	\$3,755.48	
PCO 44 / CEA #33 - Add Mop Sink Rm 234	9,558.21	9,558.21	9,558.21	-	-	\$477.91	\$9,080.30	\$0.00	\$477.91	\$9,080.30	\$9,080.30	\$477.91	
PCO 49 / CEA #34 - Add Plumbing Fixtures	101,829.53	101,829.53	101,829.53	-	-	\$5,091.48	\$96,738.05	\$0.00	\$5,091.48	\$96,738.05	\$96,738.05	\$5,091.48	
PCO 50 / CEA #35 - Clean existing UG SAS	13,427.53	13,427.53	13,427.53	-	-	\$671.38	\$12,756.15	\$0.00	\$671.38	\$12,756.15	\$12,756.15	\$671.38	
PCO 51 / CEA #36 - Replace Exist UG SAS	26,948.21	26,948.21	26,948.21	-	-	\$1,347.41	\$25,600.80	\$0.00	\$1,347.41	\$25,600.80	\$25,600.80	\$1,347.41	
PCO 52 / CEA #37 - Add Fluid Applied Roofing	(111,476.56)	(111,476.56)	(111,476.56)	-	-	-\$5,573.83	-\$105,902.73	\$0.00	-\$5,573.83	-\$105,902.73	-\$105,902.73	-\$5,573.83	
PCO 53 / CEA #38 - Add Paving behind Cafeteria	18,384.11	18,384.11	18,384.11	-	-	\$919.21	\$17,464.90	\$0.00	\$919.21	\$17,464.90	\$17,464.90	\$919.21	
PCO 56 / CEA #39 - Add sidewalk to door 150D	1,690.70	1,690.70	1,690.70	-	-	\$84.54	\$1,606.17	\$0.00	\$84.54	\$1,606.17	\$1,606.17	\$84.54	
PCO 57 / CEA #40 - Replace non-compliant sidewalks	20,273.66	20,273.66	20,273.66	-	-	\$1,013.68	\$19,259.98	\$0.00	\$1,013.68	\$19,259.98	\$19,259.98	\$1,013.68	
PCO 58 / CEA #41 - Install condensate lines	6,359.77	6,359.77	6,359.77	-	-	\$317.99	\$6,041.78	\$0.00	\$317.99	\$6,041.78	\$6,041.78	\$317.99	
PCO 61 / CEA #42 - Install hand rail at entry	1,617.00	1,617.00	1,617.00	-	-	\$80.85	\$1,536.15	\$0.00	\$80.85	\$1,536.15	\$1,536.15	\$80.85	
PCO 64 / CEA #43 - Repair existing elevator	64,719.51	64,719.51	64,719.51	-	-	\$3,235.98	\$61,483.53	\$0.00	\$3,235.98	\$61,483.53	\$61,483.53	\$3,235.98	
PCO 63 / CEA #44 - Electrical Scope on elevator	8,603.76	8,603.76	8,603.76	-	-	\$430.19	\$8,173.57	\$0.00	\$430.19	\$8,173.57	\$8,173.57	\$430.19	
PCO 59 / CEA #45 - RENO Stair Tread	34,211.12	34,211.12	34,211.12	-	-	\$1,710.56	\$32,500.56	\$0.00	\$1,710.56	\$32,500.56	\$32,500.56	\$1,710.56	
PCO68 / CEA #46 - Gas Concrete Demo	3,436.40	3,436.40	3,436.40	-	-	\$171.82	\$3,264.58	\$0.00	\$171.82	\$3,264.58	\$3,264.58	\$171.82	
PCO 69 / CEA #47 - FDC Relo	1,923.09	1,923.09	1,923.09	-	-	\$66.15	\$1,826.94	\$0.00	\$66.15	\$1,826.94	\$1,826.94	\$66.15	
PCO 70 / CEA #48 - MS Roof Drains	13,485.49	13,485.49	13,485.49	-	-	\$674.27	\$12,811.22	\$0.00	\$674.27	\$12,811.22	\$12,811.22	\$674.27	
PCO 71 / CEA #49 - Acid Neutralizers	8,979.66	8,979.66	8,979.66	-	-	\$448.98	\$8,530.68	\$0.00	\$448.98	\$8,530.68	\$8,530.68	\$448.98	
PCO 67 / CEA #50 - H18A IT	26,468.76	26,468.76	26,468.76	-	-	\$1,323.44	\$25,145.32	\$0.00	\$1,323.44	\$25,145.32	\$25,145.32	\$1,323.44	
PCO 72 / CEA #51 - BB Electrical Relo	14,871.18	14,871.18	14,871.18	-	-	\$743.56	\$14,127.62	\$0.00	\$743.56	\$14,127.62	\$14,127.62	\$743.56	
PCO 74 / CEA #53 - BB Reconnection	3,551.35	3,551.35	3,551.35	-	-	\$177.57	\$3,373.78	\$0.00	\$177.57	\$3,373.78	\$3,373.78	\$177.57	
		\$29,130,968.43	29,130,968.43	0.00	\$0.00	\$1,458,548.42	\$27,674,420.01	\$0.00	\$1,458,548.42	\$27,674,420.01	\$27,674,420.01	\$1,458,548.42	

**FACILITIES & CONSTRUCTION**

**PROJECT FACT SHEET**

**Project Identification:**

Project Title: Bobby Joe Hill PK-8  
Project No.: 17.617  
Funding Source: 689 2016 Bond Funds  
Procurement Method: CSP No. 19-012  
Address: 4835 Blossom Avenue, El Paso, Texas 79924  
Board Member District No.: 7

**Project Description:**

Current Conditions: Terrace Hills Middle School requires renovations to electrical, mechanical, fire alarm, landscape and irrigation systems due to the age of the existing system. Collins Elementary school will be demolished to give space to additional improvements in the property.

Location on Property: Property is located in the Collins Terrace Hills School site.  
Project Square Footage: 535,788 sq. ft.  
Scope of Work: A new elementary school (Bobby Joe Hill), demolition of Collins Elementary school, renovations to Terrace Hills Middle school, new parking, parent drop off area, associated utilities, courtyards and playgrounds.

**General Information:**

Project Budget: \$35,374,762.00  
EPISD Project Manager: Oscar Jaloma

Consultant Architect/Engineer: Dekker /Perich / Sabatini Architects  
Design Services Budget: \$ 2,039,167.63  
Consultant Contract Amount: \$ 1,940,750.00  
Additional Services \$ 98,417.63  
Additional Services Percentage 5.07 %  
Current Contract Amount \$ 2, 039,167.63

Advertisement Date: 9/25/18  
Date of Bid/Proposal: 11/30/18  
Construction Duration: 1092 calendar days

Contractor: Arrow Building Corporation  
BOT Award Date: 3/7/19  
Construction Budget: \$29,130,168.43  
Original Contract Amount: \$ 27,938,600.00  
Base Bid: \$ 27, 938,600.00  
Alternates: \$0  
Change Orders \$ 1,192,368.43  
Change Orders Percentage: 4.26 %  
Current Contract Amount: \$ 29,130,968.43

Notice to Proceed: 3/11/19  
Initial Contractual End Date: 3/7/22  
Extensions: 528 days  
Current Contractual End Date: 8/17/23  
Substantial Completion Date: 3/20/23  
Potential Liquidated Damages: \$0  
Final Acceptance Conditions Met: 4/18/24  
BOT Approval of Final Acceptance/Payment Date: Pending Board Approval

June 10, 2024

To: Oscar Jaloma, Project Manager  
Department of Facilities and Construction  
1100 N. Stanton Street  
El Paso, TX 79902

From: Dekker/Perich/Sabatini Architects  
Ken Wooten, Senior Construction Administrator & Architect's Representative  
108 S. Stanton Street  
El Paso, TX 799

Re: EPISD Letter of Acceptance for Bobby Joe Hill PK-8, project #617

Dear Mr. Oscar Jaloma:

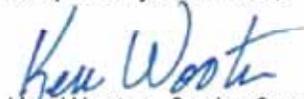
Dekker/Perich/Sabatini Architects has reviewed the work completed for conformance with the Construction Contract Documents and Technical Specifications for the Bobby Joe Hill PK-8 project. All work has been completed in conformance with the Construction Contract Documents and Technical Specifications for the Bobby Joe Hill PK-8 project.

Dekker/Perich/Sabatini Architects has also reviewed the following documents:

- Guarantees and Warranties
- Operation and Maintenance Manuals
- Key transmittals
- Other closeout documents as required by the contract documents
- Training sign in documents for all systems and equipment as required

Dekker/Perich/Sabatini Architects confirms that all changes have been addressed, no items are pending, and that closeout documents are in compliance with the Construction Contract Documents and Technical Specifications for the Bobby Joe Hill PK-8 project. Dekker/Perich/Sabatini Architects recommends Final Acceptance and Final Payment to Arrow Building Corporation.

Respectfully submitted,



Ken Wooten, Senior Construction Administrator  
Architect's Representative  
Dekker/Perich/Sabatini Architects

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

BJH PK8 Area E - F3 Punch List	Item Description	Complete Y/ N	GC Use	Comments
<b>General Notes:</b>				
paint	at door frame side light - frame should have been painted prior to install of glass	Y		
ceiling	adjust, repair, replace ceiling tiles throughout facility pay special attention to cut tiles	Y		
millwork	shelving to have edge banding all sides	Y		
millwork	excessive chipping at cut edges of white melamine	Y		
electrical	plugs are difficult to plug into some are very difficult	Y		
<b>Area F1 2nd floor</b>				
<b>Commons 200A</b>				
paint	touch up at east wall at corridor next to tile	Y		
millwork	window sill??	Y		
caulking	storefront bottom corner both sides - crack in caulking	Y		
paint	south wall at SW corner just above base - touch up	Y		
drywall	SW corner at base - touch up	Y		
clean up	SW corner - clean paint off base	Y		
drywall	west wall to left of marker board at 4' AFF - bubble in joint tape	Y		
drywall	south wall at left of marker boards at base - knife marks in texture at corner	Y		
marker boards	south wall - align top and bottom of marker boards	Y		
drywall	south wall - seal around fire sprinkler pipe and conduit	Y		
paint	paint all conduit above ceiling	Y		
electrical	open boxes above ceiling clouds	Y		
drywall	north wall east of stair - seal around conduit	Y		
paint	north wall at outside corner at top of stairs - touch up	Y		
drywall	west wall - exposed screw below far left marker board	Y		
lighting	general note - replace or touch up black frame screws	Y		
<b>Telephone Room 202</b>				
drywall	north wall - repair overcut at electrical outlet	Y		
paint	north wall - paint conduit high	Y		
paint	north wall - touch up at center plywood	Y		
drywall	general note - seal all penetrations through walls	Y		
hardware	install electric strike	Y		
clean up	clean paint off door hardware	Y		
<b>Workroom 200B</b>				
door	damage to face of door - corridor side at hinge side	Y		
ceiling	repair, replace, adjust ceiling tile at return air grill	Y		
ceiling	install missing ceiling tiles	Y		
ceiling	repair, replace, adjust all cut tiles	Y		
paint	east wall high - touch up	Y		
millwork	install upper cabinets	Y		
drywall	east wall 18" AFF - knife mark in texture	Y		
ceiling	why is wall angle reveal caulked?	Y		
<b>Storage 200C</b>				
paint	general note - touch up all walls	Y		
drywall	general note - seal all penetrations through walls	Y		
paint	paint exposed conduit	Y		
caulking	seal drywall to mounting brackets at ladder	Y		
drywall	finish texture high at west and north walls	Y		
paint	paint per texture note above	Y		
concrete	remove wire at floor penetrations	Y		
door	damage at edge of door, room side, top corner above hardware	Y		
clean up	clean glue from door at door hardware	Y		
<b>Electrical 200D</b>				
concrete	seal penetrations in floor - all	Y		
electrical	install missing panel labels	Y		
drywall	seal penetration in walls	Y		
drywall and paint	touch up all walls	Y		
fire alarm	no device in room?	Y		
floor	NW corner - anchor protruding through floor - trip hazard	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

BJH PK8 Area E - F3 Punch List	Item Description	Complete Y/ N	GC Use	Comments
door frame	repair door frame - fill in stike opening and paint	Y		
paint	touch up door frame	Y		
<b>Computer Lab 201</b>				
drywall and paint	touch up all walls at locations marked with blue tape	Y		
ceiling	general note - adjust grid	Y		
ceiling	adjust, repair, replace ceiling tiles. Special attention to cut tiles	Y		
electrical	flush out floor boxes with floor	Y		
clean up	final clean up	Y		
ceiling	SW corner by light fixture - stained tile	Y		
clean up	remove construction materials	Y		
paint	door frame sidelight - fame should be painted behibd glass before glass installed	Y		
paint	door frame - touch up entire frame	Y		
flooring	seal flooring to door frame	Y		
corner guards	required at all outside corners??	Y		
door frame	dent in frame by middle hinge	Y		
<b>2nd grade classroom 203</b>				
millwork	complete installation, clean, and adjust	Y		
millwork	damage at full heigh panel by tall cabonets	Y		
drywall and paint	patch and paint hole at soffit at cabinets	Y		
paint	at soffit right side of cabinets - touch up	Y		
drywall and paint	touch up all wall at areas marked by blue tape	Y		
lighting	NW light fixture is bent	Y		
ceiling	general note - repair, replace, adjust ceiling tiles	Y		
door	damage in veneer by door hardware - room side	Y		
electrical	bover cover plate installed at marker board??	Y		
<b>2nd grade classroom 205</b>				
millwork	finish installation	Y		
drywall and paint	touch up all walls at locations marked with blue tape	Y		
concrete	at SW corner of room at exterior wall - fill gap between wall and floor	Y		
clean up	clean paint off base all walls	Y		
clean up	clean paint and texture off data outlet below TV	Y		
ceiling	install missing ceiling tiles	Y		
ceiling	replace, repair, adjust ceiling tile above door to storage	Y		
lighting	ajust all lights to sit flush in ceiling grid	Y		
HVAC	install all ceiling devices to sit flush in grid	Y		
drywall and paint	patch hole in soffit avoe cabinets	Y		
paint	at soffit above window - touch up	Y		
paint	touch up at door frame	Y		
<b>Storage 205A</b>				
paint	touch up at south wall at SE corner marked with blue tape	Y		
concrete	fill in gap between floor and wall at SE corner	Y		
ceiling	install missing ceiling tiles	Y		
ceiling	repair, replace, adjust tile at return air	Y		
HVAC	adjust register to sit flush with ceiling grid	Y		
paint	touch up at door frame	Y		
<b>2nd grade classroom 206</b>				
base	south wall - adjust base to run straight	Y		
drywall and paint	touch up at locations marked with blue tape	Y		
drywall and paint	patch hole at soffit above millwork	Y		
drywall and paint	touch up behind TV	Y		
ceiling	damaged grid at return air grill at east wall at SE corner	Y		
<b>Corridor 200</b>				
signage	install all signage	Y		
paint	at accent wall between 206 and 216 - touch up	Y		
drywall and paint	touch up at all locations marked with blue tape	Y		
tile	general note - replace chipped wall tiles	Y		
tile	general note - clean up all grout joints	Y		
clean up	general note - clean all layout marks off walls and floors	Y		
storefront	general note - clean and touch up all storefront	Y		
ceiling	general note- repair, replace, adjust all ceiling tiles	Y		
storefront	general note - fix gaps between storefront and drywall especially low	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

BJH PK8 Area E - F3 Punch List	Item Description	Complete Y/ N	GC Use	Comments
	<i>elevator</i>			
	<i>clean up</i>	Y		final clean up
	<i>ceiling</i>	Y		install ceiling panels
	<i>protection</i>	Y		intal floor and wall protection - flooring and frame already damaged
	<b>Area F2 2nd floor</b>			
	<i>2nd grade classroom 207</i>			
	<i>drywall and paint</i>	Y		touch up at locations marked with blue tape
	<i>drywall and paint</i>	Y		patch hole at soffit
	<i>millwork</i>	Y		complete installation
	<i>ceiling</i>	Y		general note - repair, replace, adjust tiles
	<b>Boys Restroom 208</b>			
	<i>paint</i>	Y		touch up at ceiling to wall tile
	<i>drywall and paint</i>	Y		touch up at locations marked with blue tape
	<i>tile</i>	Y		wall tile - replace chipped, overcut tile marked with blue tape
	<i>tile</i>	Y		touch up grout issues marked with blue tape
	<i>clean up</i>	Y		clean paint off grout in locations marked with blue tape
	<i>toilet partitions</i>	Y		center urinal screen floor to ceiling brace is out of plumb
	<i>drywall and paint</i>	Y		touch up at recessed can light at entry
	<i>clean up</i>	Y		clean paint off door at chase
	<b>Girls Restroom 209</b>			
	<i>drywall and paint</i>	Y		touch up at locations marked with blue tape
	<i>tile</i>	Y		wall tile - replace chipped, overcut tile marked with blue tape
	<i>tile</i>	Y		touch up grout issues marked with blue tape
	<i>clean up</i>	Y		clean paint off grout in locations marked with blue tape
	<i>drywall and paint</i>	Y		touch up at recessed can light at entry
	<i>tile</i>	Y		fix gaps in metal tile trim
	<b>3rd grade classroom 212</b>			
	<i>drywall and paint</i>	Y		touch up at locations marked with blue tape
	<i>drywall and paint</i>	Y		patch hole at soffit
	<i>millwork</i>	Y		complete installation
	<i>ceiling</i>	Y		general note - repair, replace, adjust tiles
	<i>HVAC</i>	Y		adjust registers to sit flush with ceiling
	<b>3rd grade classroom 213</b>			
	<i>drywall and paint</i>	Y		touch up at locations marked with blue tape
	<i>drywall and paint</i>	Y		patch hole at soffit
	<i>millwork</i>	Y		complete installation
	<i>ceiling</i>	Y		general note - repair, replace, adjust tiles
	<i>clean up</i>	Y		clean glue off door
	<i>door</i>	Y		damage in veneer on room side above and left of door hardware
	<b>4th grade classroom 214</b>			
	<i>drywall and paint</i>	Y		touch up at locations marked with blue tape
	<i>drywall and paint</i>	Y		patch hole at soffit
	<i>millwork</i>	Y		complete installation
	<i>ceiling</i>	Y		general note - repair, replace, adjust tiles
	<b>4th grade classroom 215</b>			
	<i>drywall and paint</i>	Y		touch up at locations marked with blue tape
	<i>drywall and paint</i>	Y		patch hole at soffit
	<i>millwork</i>	Y		complete installation
	<i>ceiling</i>	Y		general note - repair, replace, adjust tiles
	<i>markerboards</i>	Y		flag holders and map rail clips missing
	<i>markerboards</i>	Y		map rail damaged on north board
	<b>3rd grade classroom 216</b>			
	<i>drywall and paint</i>	Y		touch up at locations marked with blue tape
	<i>drywall and paint</i>	Y		patch hole at soffit

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

<b>BJH PK8 Area E - F3 Punch List</b>	<b>Item Description</b>	<b>Complete Y/ N</b>	<b>GC Use</b>	<b>Comments</b>
<i>millwork</i>	complete installation	Y		
<i>ceiling</i>	general note - repair, replace, adjust tiles	Y		
<i>marker board</i>	damage to writing surface at left marker board	Y		
<b>Commons 211</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>ceiling</i>	damaged grid at middle HVAC register	Y		
<i>paint</i>	at exposed column - grind off weld and paint	Y		
<i>paint</i>	at exposed column - writing showing through paint	Y		
<b>3rd grade classroom 217</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>drywall and paint</i>	patch hole at soffit	Y		
<i>millwork</i>	complete installation	Y		
<i>ceiling</i>	general note - repair, replace, adjust tiles	Y		
<b>4th grade classroom 218</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>drywall and paint</i>	patch hole at soffit	Y		
<i>millwork</i>	complete installation	Y		
<i>ceiling</i>	general note - repair, replace, adjust tiles	Y		
<b>Reading Enrichment 219</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>drywall and paint</i>	patch hole at soffit	Y		
<i>millwork</i>	complete installation	Y		
<i>ceiling</i>	general note - repair, replace, adjust tiles	Y		
<b>Corridor 210A</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>tile</i>	wall tile - replace chipped tile marked with blue tape	Y		
<i>tile</i>	touch up grout issues marked with blue tape	Y		
<i>clean up</i>	clean paint off grout in locations marked with blue tape	Y		
<i>caulking</i>	caulking at expansion joint separating	Y		
<i>hollow metal</i>	frame to Reading Enrichment installed with stops to public side? Stops need to be caulked and tamper resistant screws?	Y		
<b>Stairs 210</b>				
<i>clean up</i>	additional cleaning required at stairs and landings	Y		
<i>paint</i>	paint touch up at center string from F2 to intermediate landing	Y		
<i>flooring</i>	flooring at intermediate landing damaged	Y		
<b>Corridor 200 F2</b>				
<i>ceiling</i>	general note - repair, replace, adjust tiles	Y		
<i>ceiling</i>	repair, replace damage grid at stair landing and corridor intersection	Y		
<i>expansion joint</i>	south wall - caulk seperating at vertical joint	Y		
<i>expansion joint</i>	ceiling - finish caulking	Y		
<i>expansion joint</i>	touch up scratches - general note	Y		
<i>expansion joint</i>	south wall at tile - touch up edge of joint cover	Y		
<i>wall tile</i>	at expansion joint - touch up tile and grout general note	Y		
<i>clean up</i>	clean marks off tile and storefront - general note - special attention at base area	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>tile</i>	touch up at locations marked with blue tape	Y		
<i>ceiling</i>	round column at classrooms 218 and 217 - repair wall angle at joint	Y		
<i>storefront</i>	at classroom 217 to corridor - clean up caulk joint at right side	Y		
<i>tile</i>	several overcuts at electrical outlets	Y		
<i>storefront</i>	clean and touch up - general note	Y		
<i>tile</i>	touch up/clean up grout throughout	Y		
<i>tile</i>	repair or replace chipped tiles - most marked with blue tape	Y		
<i>clean up</i>	final clean up required	Y		
<b>Area F3 2nd floor</b>				
<b>Electrical Room 229</b>				
<i>hollow metal</i>	repair temp strike opening in frame	Y		
<i>paint</i>	repaint door frame after repairs and re-prep	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

<b>BJH PK8 Area E - F3 Punch List</b>	<b>Item Description</b>	<b>Complete Y/ N</b>	<b>GC Use</b>	<b>Comments</b>
<i>paint</i>	paint all exposed conduit	Y		
<i>drywall</i>	seal all holes and duct, conduit, pipe penetrations	Y		
<i>paint</i>	repaint entire room after drywall repairs	Y		
<i>fire alarm</i>	seal extra penetrations at fire alarm power supply box and terminal cabinet	Y		
<i>electrical</i>	open box at ceiling in NE corner of room	Y		
<b>Telephone Room 232</b>				
<i>hollow metal</i>	repair door frame at electric strike	Y		
<i>hollow metal</i>	repair dents in door at strike side	Y		
<i>paint</i>	touch up door frame and door	Y		
<i>drywall</i>	seal all penetrations through walls	Y		
<i>paint</i>	touch up at all penetrations through walls after sealed	Y		
<i>low voltage</i>	install cover at Carehawk box and label	Y		
<i>paint</i>	paint all exposed conduit	Y		
<i>electrical</i>	cover open boxes	Y		
<b>Workroom 220</b>				
<i>base</i>	replace base to left of door to corner	Y		
<i>base</i>	fix corner behind door	Y		
<i>paint</i>	touch up at door frame	Y		
<i>drywall and paint</i>	touch up to left of door marked with blue tape	Y		
<i>millwork</i>	complete installation	Y		
<i>ceiling</i>	replace tiles to west and south of speaker location	Y		
<i>ceiling</i>	touch up tile at ceiling strobe	Y		
<i>ceiling</i>	replace damaged grid above marker board	Y		
<i>ceiling</i>	repair, replace, adjust multiple tiles at entrance to room	Y		
<b>Mens RR 221</b>				
<i>floor</i>	floor drain needs to be reworked	Y		
<i>drywall and paint</i>	touch up at NE corner	Y		
<i>paint</i>	prep and repaint door frame	Y		
<i>drywall and paint</i>	touch up at south wall	Y		
<i>tile</i>	touch up at grab bar at north wall	Y		
<i>clean up</i>	final clean up required	Y		
<b>Womens RR 222</b>				
<i>floor</i>	floor drain needs to be reworked	Y		
<i>lighting</i>	re-install light fixture	Y		
<i>HVAC</i>	exhaust fan too loud	Y		
<i>tile</i>	repair or replace tile at light switch - overcut, chipped, and paint at grout	Y		
<i>tile</i>	tile at mirror stained	Y		
<i>tile</i>	at door at floor - chipped	Y		
<i>tile</i>	at SW corner - bad cut	Y		
<i>tile</i>	transition from field to colored tile - bad cut and set of tile - sharp edge the colored tile should have not been cut?	Y		
<i>door</i>	adjust door - does not shut via closer. Appears to be rubbing at top of door	Y		
<b>Workroom Vestibule</b>				
<i>ceiling</i>	missing grid at light fixture	Y		
<i>ceiling</i>	repair, replace, adjust tiles - general note	Y		
<i>drywall and paint</i>	touch up locations marked with blue tape	Y		
<i>paint</i>	touch up at door frame at janitors closet	Y		
<i>paint</i>	touch up at women's RR door frame	Y		
<b>4th grade classroom 223</b>				
<i>ceiling</i>	install missing tiles	Y		
<i>ceiling</i>	repair, replace, adjust tiles- general note	Y		
<i>drywall and paint</i>	repair hole in soffit at ceiling	Y		
<i>drywall and paint</i>	repair hole in bottom of soffit at millwork	Y		
<i>drywall and paint</i>	touch up at edge of soffit at storefront opening	Y		
<i>drywall and paint</i>	touch up at top right corner of storefront	Y		
<i>millwork</i>	complete installation	Y		
<i>hollow metal</i>	adjust/seal at glass stop to eliminate gaps	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

<b>BJH PK8 Area E - F3 Punch List</b>	<b>Item Description</b>	<b>Complete Y/ N</b>	<b>GC Use</b>	<b>Comments</b>
<b>5th grade classroom 224</b>				
<i>ceiling</i>	general note - repair, replace, adjust tiles	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>drywall and paint</i>	exposed screw at SW corner above window at ceiling	Y		
<i>paint</i>	touch up at door frame	Y		
<i>millwork</i>	complete installation	Y		
<i>drywall and paint</i>	repair hole at soffit at millwork	Y		
<i>marker board</i>	chip in marking surface at south board by marker tray	Y		
<i>floor</i>	stains at floor by door and in front of millwork	Y		
<b>Boys restroom 225</b>				
<i>tile</i>	trim at entry - use full length pieces	Y		
<i>tile</i>	repair or replace chipped tiles - general note	Y		
<i>toilet partitions</i>	urinal screen - not installed square due to conflict with HVAC register	Y		
<i>toilet partitions</i>	damage to wall panel at first stall - both sides	Y		
<i>drywall and paint</i>	touch up at toilet partition top brace by exterior window	Y		
<i>plumbing</i>	HC toilet leaking	Y		
<b>Girls restroom 226</b>				
<i>electrical</i>	covers at boxes shall be stainless	Y		
<i>tile</i>	repair or replace chipped tiles - general note	Y		
<i>toilet partitions</i>	clean partitions - general note	Y		
<i>toilet partitions</i>	damage at partition at last regular stall	Y		
<i>toilet partitions</i>	damage at 12" mullion at HC stall	Y		
<i>grout</i>	clean up grout placement - general note	Y		
<b>restroom vestibule</b>				
<i>clean up</i>	clean paint off grout at chase door frame	Y		
<i>tile</i>	repair or replace chipped tiles above door frame	Y		
<i>grout</i>	clean up grout placement - general note	Y		
<b>5th grade classroom 227</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>drywall and paint</i>	repair hole at soffit by millwork	Y		
<i>millwork</i>	finish installation	Y		
<i>ceiling</i>	repair, replace adjust ceiling tile - general note	Y		
<b>5th grade classroom 228</b>				
<i>ceiling</i>	adjust tile at SE corner of room to sit flush in grid	Y		
<i>base</i>	adjust base to cover gap at north wall - marked with blue tape	Y		
<i>paint</i>	touch up at door frame	Y		
<b>Science 234</b>				
<i>millwork</i>	finish installation	Y		
<i>paint</i>	touch up at north wall by top left corner of marker board	Y		
<i>ceiling</i>	install missing ceiling tiles	Y		
<i>ceiling</i>	adjust repair replace tile at horn strobe	Y		
<b>Storage 234A</b>				
<i>paint</i>	touch up at door frame	Y		
<i>ceiling</i>	adjust tile at west wall to sit flush in grid	Y		
<i>lighting</i>	adjust lights to sit flush in grid	Y		
<i>drywall</i>	seal drywall to gusset plate at north wall at floor	Y		
<i>drywall</i>	seal column to drywall	Y		
<i>paint</i>	touch up at column	Y		
<i>door</i>	adjust door to close - hitting at head	Y		
<i>ceiling</i>	repair replace adjust stained tile at x bracing	Y		
<i>signage</i>	install signage	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

BJH PK8 Area E - F3 Punch List	Item Description	Complete Y/ N	GC Use	Comments
<b>Commons 231</b>				
<i>millwork</i>	finish installation	Y		
<i>storefront</i>	gaps in sill piece at 2 locations	Y		
<i>paint</i>	touch up at window sill	Y		
<b>5th grade classroom 235</b>				
<i>ceiling</i>	adjsut grid at main T joints at east wall	Y		
<i>ceiling</i>	repair replace adjust ceiling tiles - general note	Y		
<i>electrical</i>	open box at NW corner of room at ceiling	Y		
<i>drywall and paint</i>	repair hole in soffit at millwork	Y		
<i>millwork</i>	complete installation	Y		
<i>millwork</i>	replace damaged panels	Y		
<i>paint</i>	touch up at soffit	Y		
<b>5th grade classroom 236</b>				
<i>millwork</i>	complete installation	Y		
<i>ceiling</i>	repair replace adjust ceiling tiles - general note	Y		
<i>marker boards</i>	map rail end clips missing	Y		
<b>Stair 237</b>				
<i>aluminum doors</i>	damage to face of active leaf at stair side	Y		
<i>electrical</i>	open box at ceiling in SE corner	Y		
<i>electrical</i>	open box at wall at north wall by door	Y		
<i>clean up</i>	final clean up needed	Y		
<b>Corridor 230 F3</b>				
<i>grout</i>	clean up grout placement - general note - special attention at ramp	Y		
<i>tile</i>	repair or replace chipped tile	Y		
<i>tile</i>	repair or replace overcut tiles	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>ceiling</i>	repair replace adjust ceiling tiles - general note	Y		
<i>FE cabinet</i>	clean cabinet	Y		
<i>lighting</i>	emergency light across from commons 231 - overhanging wall at water fountains	Y		
<i>storefront</i>	clean and touch up - general note	Y		
<b>Area E</b>				
<b>Choir 131</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>electrical</i>	open boxes at north wall at marker boards	Y		
<i>marker boards</i>	map rail clips missing at corners of both marker boards	Y		
<i>acoustical panels</i>	north wall above door - exposed screws and scuffs on panel above right door	Y		
<i>door</i>	clean smudges off window trim at both doors	Y		
<i>paint</i>	touch up at door frame 131B	Y		
<i>clean up</i>	clean glue residue off door 131B	Y		
<i>signage</i>	clean or touch up layout marks - general note	Y		
<i>clean up</i>	clean paint and glue off inactive leaf at door 131C	Y		
<i>door frame</i>	door 131C at hinge side of active leaf - dents in door frame below top hinge	Y		
<i>acoustical panels</i>	clean up clear silicone around panels and on surface of panels - typical	Y		
<i>acoustical panels</i>	exposed fasteners at horizontal panel at SW corner of room at south wall	Y		
<i>ceiling</i>	water damage at several tiles in the SW corner of the room	Y		
<i>acoustical panels</i>	stains on surface of panel above exterior door at SW corner	Y		
<i>acoustical panels</i>	stains at middle panel above emergency light at west wall	Y		
<i>acoustical panels</i>	stains at panel above door 131A	Y		
<b>Office 131A</b>				
<i>paint</i>	touch up at door frame - strike side 2' AFF	Y		
<i>hollow metal</i>	repair screw holes at corridor window	Y		
<i>paint</i>	after repair to hollow metal window frame repaint	Y		
<i>ceiling</i>	repair, replace, adjust tile at NE corner	Y		
<i>ceiling</i>	repair, replace, adjust tile at SW corner at cikumn fur out - corner of tile cracked	Y		
<i>ceiling</i>	repair, replace, adjust tile at FS head	Y		
<i>hardware</i>	missing door silencers at door frame	Y		
<b>PR 131B</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

<b>BJH PK8 Area E - F3 Punch List</b>	<b>Item Description</b>	<b>Complete Y/ N</b>	<b>GC Use</b>	<b>Comments</b>
<i>doors and hardware</i>	adjust door to remain in open position without closing on its own??	Y		
<i>clean up</i>	clean glass at door	Y		
<i>HVAC</i>	diffuser bent and scratched	Y		
<i>hardware</i>	touch up scratched trim around door	Y		
<i>HVAC</i>	system is whistling	Y		
<i>ceiling</i>	repair, replace, adjust ceiling tile around return grill	Y		
<i>clean up</i>	clean glue residue of room side of door	Y		
<i>doors and hardware</i>	door appears to be warped - top left of door protrudes 1/4" out of frame when hully closed	Y		
<b>Storage 131C</b>				
<i>hardware</i>	flush bolt latch at floor is missing	Y		
<i>hardware</i>	smoke seal missing	Y		
<i>clean up</i>	remove construction materials - return grill laying on x brace in corner of room	Y		
<i>hardware</i>	lever set installed backwards - core to inside of room	Y		
<b>PR 131D</b>				
<i>clean up</i>	clean glue residue off door frame - touch up as needed	Y		
<i>clean up</i>	clean door glass	Y		
<i>door</i>	adjust so door does not drag	Y		
<i>glazing</i>	glass rattles in door - adjust	Y		
<i>door</i>	adjust so door remains in open position with out closing on its own	Y		
<i>flooring</i>	yellow stain at NE corner	Y		
<i>ceiling</i>	repair, replace, adjust tile at NE corner at return air register	Y		
<i>hardware</i>	touch up door window frame at the inside of the frame	Y		
<b>Commons 132</b>				
<i>marker boards</i>	adjust to align across top	Y		
<i>tile</i>	metal trim at east wall is missing inside and outside corner pieces	Y		
<i>millwork</i>	chips in bottom of top at both corners	Y		
<i>millwork</i>	shelving missing	Y		
<i>clean up</i>	clean paint off base at south wall west of millwork to door	Y		
<i>drywall and paint</i>	touch up at left side of exterior door just above base	Y		
<i>clean up</i>	clean graphics wall - west wall	Y		
<i>clean up</i>	general clean up of space required	Y		
<i>flooring</i>	scratch in flooring middle of room approximately 2' south of transition	Y		
<i>clean up</i>	clean exit light	Y		
<i>lighting</i>	lens open at light above door	Y		
<i>ceiling</i>	adjust tile to sit flush in grid to left of door	Y		
<b>Boys Restroom 138</b>				
<i>tile and grout</i>	repair, replace, clean tile and grout marked with blue tape	Y		
<i>paint</i>	touch up at light fixtures above sinks - back edge of lights	Y		
<i>access panels</i>	adjust so the sit flush in their frames	Y		
<i>glass</i>	repair scratch in coating at window south wall	Y		
<i>toilet partitions</i>	spacer needed at mullion above tile at HC stall	Y		
<i>hand dryer</i>	installed out of level	Y		
<i>paint</i>	touch up at access door at entry vestibule	Y		
<i>clean up</i>	clean paint and grout off door to plumbing chase	Y		
<i>clean up</i>	clean paint off grout at entry vestibule around door to chase	Y		
<i>door</i>	door to plumbing chase - adjust to allow door to close	Y		
<i>hardware</i>	door silencers missing	Y		
<i>grout</i>	clean up grout at colored tiles around door to plumbing chase	Y		
<b>Girls Restroom 137</b>				
<i>tile and grout</i>	repair, replace, clean tile and grout marked with blue tape	Y		
<i>access panels</i>	adjust so the sit flush in their frames	Y		
<i>toilet partitions</i>	spacer needed at mullion above tile at HC stall	Y		
<i>clean up</i>	clean paint off door mullion at stall next to HC stall	Y		
<i>toilet partitions</i>	scratches in mullion and panel at stall next to HC stall	Y		
<i>clean up</i>	clean paint off grout at ceiling - typical	Y		
<i>tile and grout</i>	alignment of trim at corner at entry to girls restroom	Y		
<b>Ensemble Practice 133</b>				

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

<b>BJH PK8 Area E - F3 Punch List</b>	<b>Item Description</b>	<b>Complete Y/ N</b>	<b>GC Use</b>	<b>Comments</b>
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>acoustical panels</i>	hanging threads at panel at north wall at door	Y		
<i>ceiling</i>	missing T at supply registers	Y		
<i>ceiling</i>	adjust, repair, replace tiles - typical of room	Y		
<i>HVAC</i>	no return air?	Y		
<i>HVAC</i>	high air noise at both supply registers	Y		
<i>clean up</i>	clean glass at door	Y		
<i>glass</i>	glass at door rattles	Y		
<i>door</i>	stain in door veneer at hallway side towards hinge side high on door	Y		
<i>door</i>	adjust so door does not close on its own	Y		
<i>clean up</i>	general clean up of room needed	Y		
<b>Art 140</b>				
<i>door</i>	interior of door damaged	Y		
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>millwork</i>	complete installation	Y		
<i>millwork</i>	open shelving by sink - finished end should have been installed at this location	Y		
<i>millwork</i>	open shelving by sink - shelves do not align	Y		
<i>drywall and paint</i>	patch at outside corner in SW corner of room prior to install of base	Y		
<i>base</i>	finish install at cabinets	Y		
<i>paint</i>	touch up door frame to corridor	Y		
<i>paint</i>	touch up above door to right of exit light	Y		
<i>drywall and paint</i>	seal penetrations through walls and paint	Y		
<i>tack boards</i>	general note - clean glue stains	Y		
<i>tack boards</i>	general note - repair scratches in aluminum frame	Y		
<i>electrical</i>	open box at door 140C	Y		
<i>drywall and paint</i>	touch up at exterior door reveal	Y		
<i>hollow metal</i>	door frame 140C dent low on strike side and at top corner on strike side	Y		
<i>drywall and paint</i>	clean and touch up entire curb at storefront at north side of classroom	Y		
<i>HVAC</i>	very noisy	Y		
<b>Office 140A</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>clean up</i>	clean paint off door - both sides	Y		
<i>door</i>	adjust door for even reveal	Y		
<i>ceiling</i>	repair, replace, adjust ceiling tile - general note	Y		
<b>Storage 140B</b>				
<i>ceiling</i>	install missing tile above door	Y		
<i>hollow metal</i>	door frame damaged on both jambs	Y		
<i>paint</i>	touch up at north wall - marked by blue tape	Y		
<i>ceiling</i>	adjust ceiling tile to sit flush with in grid	Y		
<i>clean up</i>	clean paint off doors	Y		
<i>hardware</i>	flush bolt strike not installed at floor	Y		
<i>door</i>	damage to veneer both sides	Y		
<b>Kiln 140C</b>				
<i>access doors</i>	install missing access door at ceiling	Y		
<i>Kiln</i>	finish installation - electrical and final positioning	Y		
<i>paint</i>	touch up door frame	Y		
<i>drywall and paint</i>	touch up at north and east wall at damage caused by kiln vent install	Y		
<i>drywall and paint</i>	touch up at west wall at base mid point of wall	Y		
<i>paint</i>	touch up at south wall at locations marked with blue tape	Y		
<i>electrical</i>	open box at ceiling	Y		
<i>HVAC</i>	very noisy	Y		
<b>Janitor 136</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>drywall and paint</i>	seal penetrations through the walls	Y		
<i>paint</i>	paint exposed conduit	Y		
<i>paint</i>	touch up at door frame	Y		
<b>Band 141</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>acoustical panel</i>	west wall above emergency light above door 141A - touch up at bottom of panel	Y		
<i>acoustical panel</i>	north wall above exterior door - clean stains off panel	Y		
<i>electrical</i>	open box by exterior door	Y		
<i>acoustical panel</i>	4th panel from left at east wall - clean stains from panel	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

BJH PK8 Area E - F3 Punch List	Item Description	Complete Y/ N	GC Use	Comments
<i>lighting</i>	emergency light at east wall south light - installed out of level	Y		
<i>acoustical panel</i>	south wall, 1st panel from left - debris on panel	Y		
<i>acoustical panel</i>	south wall, 3rd panel from left - debris on panel	Y		
<i>acoustical panel</i>	south wall, 2nd panel from right upper panel - clean bottom of panel	Y		
<i>millwork</i>	finish installation	Y		
<b>Office 141C</b>				
<i>flooring</i>	scratch in flooring inside door to left by desk	Y		
<i>ceiling</i>	adjust grid and tile at east wall	Y		
<i>hollow metal</i>	repair and repaint window frame to corridor	Y		
<i>door</i>	damage to veneer at top of door office side top left corner	Y		
<i>drywall and paint</i>	touch up at areas marked with blue tape	Y		
<i>clean up</i>	clean paint off door bumper	Y		
<i>door</i>	damage to veneer at bottom right at light kit office side	Y		
<b>Storage 141D</b>				
<i>door</i>	inactive leaf will not open	Y		
<i>hardware</i>	flush bolt floor strike not installed	Y		
<i>clean up</i>	clean light fixture	Y		
<i>ceiling</i>	adjust tile and grid so tile sits flush - general note	Y		
<i>ceiling</i>	replace, repair, adjust tile at horn strobe	Y		
<i>paint</i>	paint column so piece marks are not visible	Y		
<i>drywall and paint</i>	touch up at west wall 1' AFF center of room marked with blue tape	Y		
<b>Storage 141E</b>				
<i>ceiling</i>	repair, replace adjust ceiling tiles - general note	Y		
<i>hardware</i>	floor flush bolt strike not installed	Y		
<i>hardware</i>	smoke seal not installed??	Y		
<i>ceiling</i>	water damaged tile at SW corner of room	Y		
<i>clean up</i>	clean paint off hinges	Y		
<b>PR 141A</b>				
<i>clean up</i>	clean glass at door	Y		
<i>door</i>	adjust door so that it does not close on its own	Y		
<i>drywall and paint</i>	touch up at two locations marked with blue tape	Y		
<i>ceiling</i>	missing T at HVAC supply register	Y		
<i>ceiling</i>	broken tile at horn strobe	Y		
<i>lighting</i>	missing lens at light	Y		
<i>acoustical panels</i>	clean debris from panels	Y		
<i>paint</i>	door frame requires additional coat	Y		
<i>door</i>	damage in veneer on classroom side	Y		
<b>PR 141B</b>				
<i>door</i>	adjust door for consistent reveal	Y		
<i>door</i>	adjust door so that it does not close on its own	Y		
<i>clean up</i>	clean glass at door	Y		
<i>door</i>	damage to veneer at room side several locations	Y		
<b>Telephone Room 134</b>				
<i>hardware</i>	door silencers missing	Y		
<i>hollow metal</i>	frame separating at top left head to jamb connection	Y		
<i>caulking</i>	seal around all conduit, boxes, and piping penetrating walls	Y		
<i>paint</i>	paint exposed conduit and brackets	Y		
<i>door</i>	damage to veneer at hallway side	Y		
<b>Orchestra 142</b>				
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>marker boards</i>	map rail corner clips missing	Y		
<i>millwork</i>	missing all shelving	Y		
<i>flooring</i>	scratch in floor from exterior door across floor to center of classroom	Y		
<i>acoustical panels</i>	damage to bottom edge of panel above door 142D	Y		
<i>acoustical panels</i>	west wall 2nd panel from left - clean stains from panel	Y		
<i>acoustical panels</i>	north wall dark blue panel between windows - white stain on panel	Y		
<i>lighting</i>	light fixture out at east wall 2nd from north wall	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

BJH PK8 Area E - F3 Punch List	Item Description	Complete Y/N	GC Use	Comments
<b>Office 142D</b>				
paint	touch up at door frame	Y		
ceiling	repair, replace, adjust ceiling tile - general note	Y		
<b>PR 142B</b>				
paint	touch up at door frame	Y		
ceiling	repair, replace, adjust ceiling tile - general note	Y		
clean up	clean up construction debris	Y		
drywall and paint	touch up at locations marked with blue tape	Y		
<b>Storage 142C:</b>				
door	damage to veneer at inactive leaf top left corner class room side	Y		
hardware	floor flush bolt strike not installed	Y		
hardware	smoke seal not installed	Y		
clean up	remove tape at ceiling grid in NE corner	Y		
ceiling	repair, replace, adjust ceiling tile - general note	Y		
<b>PR 142A</b>				
clean up	clean door light frame and glass	Y		
paint	touch up at door frame	Y		
drywall and paint	touch up at top left corner of door frame	Y		
ceiling	adjust repair replace tile at fire sprinkler	Y		
<b>Corridor 130</b>				
wall tile	repair/replace chipped wall tile above water fountains	Y		
paint	touch up at locations marked with blue tape	Y		
wall tile	repair/replace chipped wall tiles marked with blue tape	Y		
wall tile	clean wall tile and clean up grout - general note	Y		
hollow metal	repair door frame 140 at electric strike and at side light frame	Y		
paint	touch up at all door frames	Y		
wall tile	damaged corner trim at right of door 141	Y		
millwork	install display cabinet	Y		
hardware	missing pivot at door 142 and 131	Y		
fire extinguisher	repair or replace damaged cabinet at top of ramp. Also wont stay closed	Y		
<b>Area F1 1st Floor</b>				
<b>Main Telecom Room 114</b>				
paint	repaint door and frame	Y		
paint	paint all exposed conduit	Y		
wall penetrations	seal all penetrations through walls	Y		
conduit	seal all unused conduit penetrating floor but not used	Y		
low voltage	install and label covers at all boxes	Y		
<b>Electrical 127</b>				
clean up	remove all construction materials and equipment from room	Y		
clean up	final clean up required	Y		
wall floor and deck penetrations	seal all penetrations to include unused conduit penetrating into room	Y		
paint	provide additional coat at door and door frame	Y		
hollow metal	repair damage at door frame at strike and dents above strike	Y		
<b>Mother's Room 145</b>				
wall tile	repair/replace chipped wall tiles marked with blue tape	Y		
wall tile	clean wall tile and clean up grout - general note	Y		
caulk	seal hand dryer to wall	Y		
millwork	clean and adjust	Y		
<b>Counselor Reception 123</b>				
paint	touch up at locations marked with blue tape	Y		
ceiling	repair replace adjust tile to south of ceiling cassette	Y		
ceiling	repair replace tile above door 125	Y		
ceiling	repair replace adjust tile and grid from entry door to door 126	Y		
tack board	damage to tack board frame and tack surface	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

<b>BJH PK8 Area E - F3 Punch List</b>	<b>Item Description</b>	<b>Complete Y/ N</b>	<b>GC Use</b>	<b>Comments</b>
<i>flooring</i>	flooring to transition at door	Y		
<i>door</i>	damage to veneer at bottom hinge on room side	Y		
<b>Counselor 124</b>				
<i>paint</i>	touch up at door frame marked with blue tape. Painted over drywall on frame	Y		
<i>paint</i>	touch up at NW corner marked with blue tape	Y		
<i>drywall and paint</i>	touch up at NE corner about 2' above furniture	Y		
<i>ceiling</i>	missing T grid above door	Y		
<i>ceiling</i>	repair replace adjust tile at NW corner	Y		
<b>Counselor 126</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>caulk</i>	touch up behind T-stat	Y		
<i>ceiling</i>	repair replace adjust tile above door	Y		
<i>clean up</i>	clean grid above west window and also clean window head	Y		
<b>Counselor 125</b>				
<i>clean up</i>	clean door light frame and glass	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>ceiling</i>	repair replace adjust tiles to west of light at wet wall and west of speaker	Y		
<i>clean up</i>	clean wall angle at south wall - General note	Y		
<b>Corridor 102A</b>				
<i>paint</i>	touch up at areas marked with blue tape	Y		
<i>wall tile</i>	replace repair damaged tile	Y		
<i>clean up</i>	clean wall tile - general note	Y		
<i>wall tile</i>	touch up grout - general note	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<i>ceiling</i>	missing T grid above door 114	Y		
<i>ceiling</i>	replace tile at speaker outside room 121	Y		
<b>SRO 118</b>				
<i>hollow metal</i>	repair hole at frame head on room side	Y		
<i>hardware</i>	door light frame damaged both sides	Y		
<i>caulking</i>	crack in drywall to window frame at sill	Y		
<i>ceiling</i>	replace missing ceiling tiles	Y		
<i>ceiling</i>	repair replace adjust tile at fire alarm strobe	Y		
<i>hardware</i>	install missing door silencer	Y		
<i>hardware</i>	remove smoke seal at head	Y		
<b>Nurse 121</b>				
<i>millwork</i>	at east wall - shelf missing	Y		
<i>millwork</i>	general note - clean and adjust	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>cubicle curtains</i>	adjust screws and joints in track to be flush - currently curtain rollers bind on screws and track joints	Y		
<i>ceiling</i>	install missing tiles	Y		
<i>ceiling</i>	repair replace adjust tiles - general note	Y		
<i>paint</i>	touch up above upper cabinets at est wall	Y		
<b>Restroom 121A</b>				
<i>hollow metal</i>	door frame damaged at strike side at floor	Y		
<i>hollow metal</i>	frame damaged on hinge side low by bottom hinge	Y		
<i>tile</i>	repair replace chipped tiles	Y		
<i>tile</i>	touch up grout - general note	Y		
<i>hand dryer</i>	seal hand dryer to wall	Y		
<i>mirror</i>	mounting height ??	Y		
<i>clean up</i>	wipe down light lens and final clean up needed	Y		
<b>Restroom 121B</b>				
<i>tile</i>	repair replace chipped tiles	Y		
<i>tile</i>	touch up grout - general note	Y		
<i>hand dryer</i>	seal hand dryer to wall	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

<b>BJH PK8 Area E - F3 Punch List</b>	<b>Item Description</b>	<b>Complete Y/ N</b>	<b>GC Use</b>	<b>Comments</b>
<i>mirror</i>	mounting height ??	Y		
<i>clean up</i>	wipe down light lens and final clean up needed	Y		
<b>Isolation 121C</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>hollow metal</i>	large gap at door frame to floor on strike side	Y		
<i>ceiling</i>	repair replace adjust ceiling tile - general note	Y		
<i>hardware</i>	damage to door light frame - room side	Y		
<b>Restroom 122</b>				
<i>hardware</i>	use correct strike	Y		
<i>hollow metal</i>	repair and touch up door frame at strike	Y		
<i>tile</i>	repair replace chipped tiles	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>hand dryer</i>	seal hand dryer to wall	Y		
<b>Vestibule 103</b>				
<i>paint</i>	touch up at east wall at locations marked with blue tape	Y		
<i>HVAC</i>	remove black foam packaging from HVAC register	Y		
<i>clean up</i>	wipe down light fixtures	Y		
<i>hardware</i>	panic devices at doors with HC operators cannot be dogged open and do not retract when the HC operator is activated	Y		
<i>clean up</i>	final clean up needed	Y		
<b>Lobby 102</b>				
<i>super graphics</i>	install	Y		
<i>millwork</i>	install display cases	Y		
<i>clean up</i>	final clean	Y		
<i>millwork</i>	install cushions at platform	Y		
<i>paint</i>	touch up at stairs	Y		
<i>caulking</i>	caulking at storefront to drywall is cracking	Y		
<i>hardware</i>	hook up and verify operation of HC operator	Y		
<b>Reception 101</b>				
<i>millwork</i>	finish installation	Y		
<i>HVAC</i>	remove packing foam from registers	Y		
<i>wood ceiling</i>	touch up black fabric at edges of ceiling	Y		
<i>paint and drywall</i>	touch up at east wall after millwork complete	Y		
<i>paint and drywall</i>	touch up at locations marked with blue tape	Y		
<i>electrical</i>	open box at ceiling in NE corner	Y		
<i>storefront</i>	glass stops too short at far right door	Y		
<b>Vestibule 100</b>				
<i>floor</i>	south edge of walk off mat transition to concrete needs to be cleaned up	Y		
<i>ceiling</i>	open gap at light fixture	Y		
<i>HVAC</i>	remove packing foam from registers	Y		
<i>paint</i>	touch up at locations marked with blue paint	Y		
<i>paint</i>	repaint storefront curb	Y		
<i>hardware</i>	panic device at door with HC operator does not have provisions to dog open	Y		
<b>Front office 104</b>				
<i>millwork</i>	finish installation	Y		
<i>millwork</i>	clean and adjust	Y		
<i>roller shades</i>	scratches at valance above front counter	Y		
<i>storefront</i>	install transaction window	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>electrical</i>	box covers shall be stainless	Y		
<i>electrical</i>	two outlets at front center with blank covers? What devices go here?	Y		
<i>ceiling</i>	install wall angle at end of storefront wall behind counter	Y		
<i>ceiling</i>	repair replace adjust tiles - general note	Y		
<i>clean up</i>	final cleaning required	Y		
<i>hollow metal</i>	touch up dent at head of frame 113	Y		
<i>wall tile</i>	repair replace chipped wall tiles	Y		
<i>clean up</i>	clean paint off grout at door jambs	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

<b>BJH PK8 Area E - F3 Punch List</b>	<b>Item Description</b>	<b>Complete Y/ N</b>	<b>GC Use</b>	<b>Comments</b>
<b>Conference 113</b>				
<i>lighting</i>	2 lights to the south not working	Y		
<i>electrical</i>	open box at west door	Y		
<i>millwork</i>	clean and adjust	Y		
<i>ceiling</i>	install missing tiles	Y		
<i>misc</i>	adjust or remove all thread hanging below ceiling	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>lighting</i>	lighting controls need to be adjusted - lights working are dim	Y		
<i>hollow metal</i>	repair overcut at electric strike	Y		
<b>Women's Restroom 112</b>				
<i>tile</i>	repair replace chipped tiles	Y		
<i>tile</i>	touch up grout - general note	Y		
<i>mirror</i>	mounting height ??	Y		
<i>clean up</i>	remove rust stain at floor drain	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>door</i>	door damaged at strike side above	Y		
<b>Men's Restroom 111</b>				
<i>tile</i>	repair replace chipped tiles	Y		
<i>tile</i>	touch up grout - general note	Y		
<i>mirror</i>	mounting height ??	Y		
<i>clean up</i>	remove rust stain at floor drain	Y		
<b>Secretary 110</b>				
<i>hollow metal</i>	repair screw holes at window frame	Y		
<i>hollow metal</i>	replace bottom glass stop, has dent at left side	Y		
<i>caulking</i>	touch up caulking at storefront window left side marked with blue tape	Y		
<i>paint</i>	touch up at dest wall hutch both sides	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<b>Vault 116</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>hollow metal</i>	repair door frame at electric strike	Y		
<i>clean up</i>	remove construction materials	Y		
<i>clean up</i>	final clean up required	Y		
<i>ceiling</i>	install missing ceiling tile	Y		
<i>ceiling</i>	install missing T grid at NW corner	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<b>MailWork 117</b>				
<i>millwork</i>	missing shelves	Y		
<i>millwork</i>	clean and adjust	Y		
<i>millwork</i>	damage at face of several cabinets - marked with blue tape	Y		
<i>millwork</i>	excessive chipping at edges of melamine interior bodies and shelving	Y		
<i>millwork</i>	finish installation at north wall	Y		
<i>tack board</i>	damage at frame and tack surface	Y		
<i>drywall and paint</i>	touch up at location marked with blue tape	Y		
<i>marker board</i>	map rail corner clips missing	Y		
<i>millwork</i>	marks on counter top - clean	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<i>clean up</i>	final clean needed	Y		
<i>HVAC</i>	exhaust fan very loud	Y		
<b>Assistant Principal 109</b>				
<i>hollow metal</i>	repair damage at door frame at hallway side	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>HVAC</i>	T-stat installed out of level	Y		
<i>electrical</i>	open box at east wall	Y		
<i>ceiling</i>	repair replace adjust tile at HVAC unit	Y		
<b>Principal 107</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>electrical</i>	open box at east wall	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

<b>BJH PK8 Area E - F3 Punch List</b>	<b>Item Description</b>	<b>Complete Y/ N</b>	<b>GC Use</b>	<b>Comments</b>
<i>ceiling</i>	broken tile at northern HVAC cassette	Y		
<i>ceiling</i>	repair replace adjust tile at speaker and above door	Y		
<b>Campus Police 106</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>door</i>	door is binding when fully closed - adjust	Y		
<i>door</i>	adjust reveal	Y		
<b>Assistant Principal 105</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>electrical</i>	open box at south wall	Y		
<i>flooring</i>	adjust carpet at west wall at desk leg	Y		
<i>ceiling</i>	repair replace adjust tile at fire sprinkler head	Y		
<b>Corridor 108A and B</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<i>ceiling</i>	damaged grid above door 107	Y		
<b>Area F2 1st Floor</b>				
<b>Pre-K classroom 157</b>				
<i>paint</i>	both door frames require additional coat	Y		
<i>paint</i>	touch up at locations marked with blue tap	Y		
<i>drywall and paint</i>	to left of entry door - touch up multiple dings in drywall	Y		
<i>drywall and paint</i>	at west window - touch up at window head from water damage	Y		
<i>clean up</i>	clean grid above west window - water stains	Y		
<i>ceiling</i>	replace water stained tiles at south wall	Y		
<i>ceiling</i>	replace damaged grid at HVAC registers at east ceiling registers	Y		
<i>millwork</i>	complete installation	Y		
<i>ceiling</i>	repair replace adjust ceiling tiles - general note	Y		
<i>wall tile</i>	repair replace chipped tile at water fountains	Y		
<b>Restroom 157A</b>				
<i>signage</i>	install at restroom	Y		
<i>floor</i>	flush out lip at floor drain	Y		
<i>wall tile</i>	repair replace chipped overcut and damaged tiles	Y		
<i>drywall and paint</i>	touch up at north wall above tile at blue tape	Y		
<i>paint</i>	reprep door frame, remove grout and repaint	Y		
<i>wall tile</i>	cuts at inside corner at toilet are out of square gaps go from 1/4" to 1/2"	Y		
<i>toilet</i>	check size for pre K?			
<b>Commons 151</b>				
<i>hardware</i>	closer at west exterior door is leaking	Y		
<i>paint</i>	touch up at outside corner by west exterior door below window	Y		
<i>storefront</i>	open gaps at window sill plate	Y		
<i>base</i>	not covering cabinet base at west end of millwork	Y		
<i>drywall and paint</i>	touch up at base by west end of millwork	Y		
<i>millwork</i>	clean and adjust	Y		
<i>millwork</i>	counter top does not fit cabinets - too short	Y		
<i>ceiling</i>	repair replace adjust ceiling tile - general note	Y		
<i>flooring</i>	scratches in resilient flooring	Y		
<i>clean up</i>	final clean	Y		
<b>Art 158</b>				
<i>door</i>	damage at door edge by strike	Y		
<i>millwork</i>	edge banding at shelves	Y		
<i>millwork</i>	clean and adjust	Y		
<i>millwork</i>	complete installation	Y		
<i>millwork</i>	shelving at upper cabinet 2nd from left incorrect	Y		
<i>millwork</i>	chipping at inside of cabinets at mounting locations at chipping at edges	Y		
<i>paint</i>	uch up at south wall at column surround, marked with blue tape	Y		
<i>ceiling</i>	adjust IT box to be flush with grid	Y		
<i>ceiling</i>	repair replace adjust tiles - general note	Y		
<i>paint</i>	touch up above door frame 158B	Y		
<i>paint</i>	touch up at door frame 158B	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

BJH PK8 Area E - F3 Punch List	Item Description	Complete Y/ N	GC Use	Comments
<b>Kiln 158B</b>				
<i>paint</i>	door frame requires another coat	Y		
<i>access door</i>	install at ceiling	Y		
<i>kiln</i>	finish installation and verify proper operation	Y		
<i>kiln</i>	vent damaged and incomplete	Y		
<i>electrical</i>	open box with wires at south wall by sink	Y		
<b>Storage 158A</b>				
<i>paint</i>	repaint entire room	Y		
<i>ceiling</i>	repair grid and replace tiles	Y		
<b>Kinder classroom 159</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>paint</i>	touch up at soffit above location marked with blue tape	Y		
<i>wall tile</i>	repair replace adjust trim at top of tile left of sink	Y		
<i>wall tile</i>	repair replace chipped tiles	Y		
<i>grout</i>	touch up grout at wall tile	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<i>HVAC</i>	adjust return air register to be square with grid	Y		
<i>marker board</i>	map rail corner clips missing	Y		
<i>ceiling</i>	replace damaged grid at 1st row of lights between 2nd and 3rd light	Y		
<i>access door</i>	adjust access door to sit flush and square in wall	Y		
<b>Restroom 159A</b>				
<i>HVAC</i>	exhaust fan did not come on with light	Y		
<i>wall tile</i>	repair replace damaged tiles	Y		
<i>grout</i>	touch up grout - general note	Y		
<i>plumbing</i>	fix lip at floor drain	Y		
<i>door</i>	damage to veneer on restroom side	Y		
<b>Kinder classroom 155</b>				
<i>hollow metal</i>	repair damage to frame at hinge side at horizontal mullion	Y		
<i>millwork</i>	complete installation	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>wall tile</i>	repair replace chipped and damaged tile	Y		
<i>grout</i>	touch up grout - general note	Y		
<i>ceiling</i>	water damaged tiles at north exterior wall	Y		
<i>ceiling</i>	repair replace adjust tile by fire alarm device at SE corner of room	Y		
<i>ceiling</i>	repair replace adjust tile at wireless access point	Y		
<i>tile trim</i>	damaged vertical trim at wall tile at sink	Y		
<i>paint</i>	door frame requires additional coat	Y		
<b>restroom 155A</b>				
<i>paint</i>	touch up at door frame	Y		
<i>wall tile</i>	repair replace chipped wall tile	Y		
<i>grout</i>	touch up at grout - general	Y		
<i>toilet</i>	size??	Y		
<i>clean up</i>	wipe down door	Y		
<b>Janitor 161</b>				
<i>paint and drywall</i>	touch up at locations marked with blue tape	Y		
<i>paint and drywall</i>	seal at all penetrations through walls	Y		
<i>lighting</i>	install lens cover at light	Y		
<i>paint</i>	touch up at door frame	Y		
<b>Kinder classroom 154</b>				
<i>tack board</i>	damage to top left of tack board at east wall	Y		
<i>millwork</i>	complete installation	Y		
<i>wall tile</i>	repair replace chipped damaged tiles	Y		
<i>wall tile</i>	is tile missing from wall at right of sink??	Y		
<i>grout</i>	touch up at grout - general note at wall tile	Y		
<i>drywall and paint</i>	touch up texture at east wall by outside corner wall tile trim	Y		
<i>ceiling</i>	install tile at IT ceiling box	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

BJH PK8 Area E - F3 Punch List	Item Description	Complete Y/ N	GC Use	Comments
<b>Restroom 154A</b>				
<i>clean up</i>	clean overspray off door frame	Y		
<i>paint</i>	door frame requires additional coat	Y		
<i>wall tile</i>	repair replace chipped tiles	Y		
<i>grout</i>	touch up at grout - general note	Y		
<b>Pre-K classroom 153</b>				
<i>millwork</i>	complete installation	Y		
<i>paint</i>	door frame requires additional coat	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>drywall and paint</i>	touch up at back splash where screws were used to hold back splash	Y		
<i>wall tile</i>	repair replace damaged chipped tiles	Y		
<i>wall tile</i>	is tile missing at wall to left of sink??	Y		
<i>ceiling</i>	adjust IT box to close gap at tile	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<b>Restroom 153A</b>				
<i>hardware</i>	missing door bumper	Y		
<i>wall tile</i>	repair replace damaged chipped tiles	Y		
<i>grout</i>	touch up grout - general note	Y		
<i>tile</i>	seal trim to wall	Y		
<i>plumbing</i>	fix lip at floor drain	Y		
<b>Storage 160</b>				
<i>drywall and paint</i>	remove large chunks of drywall texture from walls and repair all walls	Y		
<i>ceiling</i>	repair replace adjust grid and tile - all	Y		
<b>Pre-K classroom 152</b>				
<i>paint</i>	door frame requires additional coat	Y		
<i>door</i>	damage to veneer at classroom side	Y		
<i>millwork</i>	complete installation	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>wall tile</i>	repair replace chipped damaged tiles	Y		
<i>grout</i>	touch up grout - general note	Y		
<i>floor</i>	footprints in polished concrete floor	Y		
<i>ceiling</i>	damaged grid at HVAC register above sink	Y		
<i>ceiling</i>	water damaged tile at north exterior wall	Y		
<i>ceiling</i>	damaged tiles at multiple locations repair replace	Y		
<b>Restroom 152A</b>				
<i>wall tile</i>	repair replace chipped damaged tiles	Y		
<i>door</i>	damage to veneer at classroom side	Y		
<i>paint</i>	door frame requires additional coat	Y		
<b>Corridor 150</b>				
<i>grout</i>	touch up grout - general note	Y		
<i>wall tile</i>	repair replace chipped damaged tiles	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<i>storefront</i>	tile to drywall to storefront transition to be reviewed and addressed at all corridor windows	Y		
<i>hollow metal</i>	door frame 150B at corridor is damaged at south jamb	Y		
<b>Storage 162</b>				
<i>paint</i>	touch up at door frame	Y		
<i>floor</i>	remove fasteners from floor at west wall and repair spalled floor	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<b>Corridor 150B</b>				
<i>grout</i>	touch up grout - general note	Y		
<i>wall tile</i>	repair replace chipped damaged tiles	Y		
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		



The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

<b>BJH PK8 Area E - F3 Punch List</b>	<b>Item Description</b>	<b>Complete Y/ N</b>	<b>GC Use</b>	<b>Comments</b>
<i>paint</i>	reprep and repaint door frame	Y		
<i>drywall and paint</i>	touch up at locations marked with blue tape	Y		
<i>markerboard</i>	map rail clips end clips missing	Y		
<i>ceiling</i>	replase water stained tiles at south wall	Y		
<i>ceiling</i>	replace damaged grid at center of room by IT ceiling box	Y		
<i>ceiling</i>	repair replace adjust tiles - general note	Y		
<i>electrical</i>	open box by door	Y		
<i>door</i>	scratch or stain in veneer at strike side at eye level classroom side	Y		
<b>Commons 171</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>store front</i>	damage around doors - marked with blue tape	Y		
<i>paint</i>	additional coat required at exposed column	Y		
<i>marker boards</i>	adust to align along top of boards	Y		
<i>drywall and paint</i>	repair damage at header at open ceiling above corridor	Y		
<i>ceiling</i>	repair damaged grid by HVAC supply next to open area	Y		
<i>ceiling</i>	repair damaged grid by speaker at center of area	Y		
<i>ceiling</i>	repair damaged grid between last two fixtures to the east	Y		
<i>ceiling</i>	repair replace adjust tiles - general note	Y		
<i>flooring</i>	damaged tile at east end of area approx 4' from transitions and 10+ feet from east wall	Y		
<i>flooring</i>	damaged flooring in several locations - scratched by chairs	Y		
<b>1st grade classroom 183</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>millwork</i>	complete installation	Y		
<i>markerboard</i>	missing map rail clips at north board	Y		
<i>ceiling</i>	repair replace grid by smoke detector	Y		
<i>ceiling</i>	repair replace grid by horn strobe	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<i>HVAC</i>	room is warm	Y		
<i>plumbing</i>	provide cover at wall cleanout at the west wall	Y		
<b>1st grade classroom 184</b>				
<i>millwork</i>	complete installation	Y		
<i>paint</i>	touch up at NE corner at base	Y		
<i>paint</i>	touch up at tall panels at millwork	Y		
<i>hollow metal</i>	repair damage at door frame at top hinge	Y		
<i>paint</i>	reprep and repaint door frame	Y		
<i>marker boards</i>	missing map rail clips at both boards	Y		
<i>ceiling</i>	repair replace damaged grid at IT ceiling box - both 4' T's	Y		
<i>ceiling</i>	repair replace damaged grid at horn strobe	Y		
<i>ceiling</i>	repair replace adjust tiles - general note	Y		
<b>1st grade classroom 179</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>millwork</i>	complete installation	Y		
<i>marker board</i>	missing map rail clips at both boards	Y		
<i>ceiling</i>	repair replace adjust tile - general note	Y		
<i>ceiling</i>	grid at NW corner by HVAC grill is damaged	Y		
<i>ceiling</i>	replace water damaged tiles at north wall	Y		
<i>ceiling</i>	grid at NE return air grill needs to be adjusted	Y		
<i>ceiling</i>	grid to north of IT ceiling box is damaged	Y		
<i>ceiling</i>	grid center light fixture and north center light fixture are damaged	Y		
<b>1st grade classroom 178</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>tack board</i>	clean surface	Y		
<i>marker boards</i>	missing map rail clips both boards	Y		
<i>marker boards</i>	south marker board has damage two locations - top right and bottom left	Y		
<i>millwork</i>	complete installation	Y		
<i>lighting</i>	light at SW corner of room not working	Y		
<i>ceiling</i>	repair replace adjust tiles - general note	Y		
<i>ceiling</i>	grid northwest of center is damaged	Y		
<b>Girls restroom 189</b>				
<i>drywall and paint</i>	touch up above tile at entry	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

BJH PK8 Area E - F3 Punch List	Item Description	Complete Y/ N	GC Use	Comments
wall tile	repair replace chipped stained damaged tiles	Y		
grout	touch up at grout - general note	Y		
toilet accessories	install missing toilet accessories	Y		
glazing	damage to spandrel glass coating	Y		
toilet partitions	damage to wall panel at 1st stall	Y		
toilet partitions	add spacer or seal at door mullion to wall at HC stall	Y		
ceiling	touch up at gap at horn strobe	Y		
<b>Boys Restroom 188</b>				
paint	touch up at chase door frame	Y		
wall tile	repair replace chipped stained damaged tiles	Y		
grout	touch up at grout - general note	Y		
toilet partitions	add spacer or seal at door mullion to wall at HC stall	Y		
glazing	damage to spandrel glass coating	Y		
drywall and paint	touch up above tile at west wall	Y		
electrical	cover plates shall be stainless	Y		
paint	touch up at entry west wall	Y		
<b>Life Skills 182</b>				
paint	all door frames require additional coat	Y		
millwork	finish installation	Y		
marker boards	missing map rail clips both boards	Y		
paint	touch up at locations marked with blue tape	Y		
ceiling	repair replace adjust tile - general note	Y		
appliance	complete installation	Y		
refrigerator	full size refrigerator has been installed in front of room HVAC sensor	Y		
<b>Restroom 182A</b>				
hollow metal	repair damage at top right corner of frame	Y		
paint	reprep and repaint door frame	Y		
wall tile	repair replace damaged chipped overcut stained tile	Y		
drywall and paint	touch up at location above tile marked with blue tape	Y		
hand dryer	seal hand dryer to wall wall above tile	Y		
<b>Storage 182B</b>				
millwork	complete installation	Y		
appliances	complete installation	Y		
plumbing	cleanout located behind washer needs to be extended to wall and install cover	Y		
paint	touch up at locations marked with blue tape	Y		
lighting	install missing lens	Y		
ceiling	repair replace adjust tile - general note	Y		
<b>ES BIC 174</b>				
paint	touch up at locations marked with blue tape	Y		
clean up	clean paint off outlet cover at east wall	Y		
hollow metal	repair damage at frame to restroom - reprep and repaint entire door frame	Y		
paint	reprep and repaint door frame at entry door	Y		
drywall and paint	patch holes in soffit and touch up	Y		
ceiling	repair replace adjust ceiling tiles - general note	Y		
ceiling	replace water stained tiles at SE corner of room	Y		
Electrical	IT ceiling box is damaged - bent	Y		
ceiling	grid one tile over from speaker to NE is damaged	Y		
ceiling	replace water stained tiles at north exterior wall	Y		
<b>Restroom 174A</b>				
paint	repaint door frame	Y		
wall tile	repair replace damaged chipped stained over cut wall tile	Y		
plumbing	floor drain cover is loose	Y		
toilet accessories	none installed	Y		
drywall and paint	touch up at exhaust fan grill	Y		
<b>Corridor 185A</b>				
millwork	install display case	Y		
wall tile	tile at perimeter of display case is pushed out at bottom right corner	Y		
wal tile	repair replace damaged chipped stained over cut wall tile	Y		
ceiling	repair replace adjust ceiling tiles - general note	Y		

The following items require the attention of the Contractor for completion or correction. This list may not be all-inclusive, and the failure to include any items on this list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

BJH PK8 Area E - F3 Punch List	Item Description	Complete Y/ N	GC Use	Comments
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>ceiling</i>	repair grid and tile outside restrooms 188 and 189	Y		
<i>caulking</i>	tile trim to storefront needs to be addressed - general note	Y		
<b>Stair 185</b>				
<i>paint</i>	touch up at locations marked with blue tape	Y		
<i>paint</i>	touch up at ceiling around access door	Y		
<i>paint</i>	paint access door	Y		



4600 C Montgomery Blvd. NE  
 Albuquerque, NM 87109  
 main 505.883.4111 www.bpce.com

**OBSERVATION REPORT NO. 3**

Report Date:	July 19, 2021	Project Number:	7751
To:	Ken Wooten – DPS	Project:	Bobby Joe Hill PK-8
Report By:	Miguel Grijalva – BPCE	Reason:	Final Electrical Observations (New ES Building and Library)
Location:	Jobsite; El Paso, TX	Date and Time:	July 14, 2021 10:45am-4:00pm
Weather:	Clear, Hot	Temp Range:	95-100 +/-

**Distribution:**

<u>Name</u>	<u>Dist Method</u>	<u>Name</u>	<u>Dist Method</u>
Ken Wooten	Email		

The purpose of this visit was to perform final (punchlist) observations of the completed electrical installations for the above referenced project, specifically, the new Elementary School Building and the renovated Library Building. Deficiencies requiring correction/completion are listed below under "Follow-up Action Required"

**Observations:** See Follow-up Actions listed below.

**Follow Up Action Required:**

**New Elementary School Bldg. (Areas E, F1, F2, F3)**

**Level-1:**

1. Electrical Rm. 135:
  - a. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).
  - b. The installed equipment nameplates are not per specification. Provide engraved plastic nameplates for all major pieces of electrical equipment in compliance with Div. 260553-3.3S. The nameplates should include the equipment name, system voltage and configuration, and should identify the source each particular piece of equipment is fed from.
  - c. Provide permanent breaker labels for all breakers at MSB.
  - d. Some panels and cabinets are uncovered. Work is in progress.
  - e. Verify that accurate, "as-built", panel schedules are provided for all panelboards.

- f. The room needs to be cleaned of debris and construction materials.
2. Art 140:
  - a. Switching zones/configurations as installed differ from what is shown on plans (2 zones). Verify installed configuration (5 button switch) is acceptable to owner/architect. Labeling may be required to identify button functions.
3. Kiln 140C:
  - a. Open j-box in ceiling with exposed wiring.
  - b. Provide panel/circuit labeling for the kiln disconnect.
  - c. The grounding conductor is not connected within the kiln disconnect. The power conductors are not properly identified by phase.
  - d. Electrical connections to the kiln are incomplete.
4. Band 141:
  - a. Lights are not switched/zoned as indicated on plans.
  - b. Lights need to be cleaned.
  - c. At least one light still has packing material attached to it.
5. RR141A:
  - a. The lens is missing from one of the lights.
  - b. The installed receptacle is not the tamper resistant type. (Typical of RR141B & RR142A)
6. Janitor 136:
  - a. Provide panel/circuit labeling for the water heater disconnect and circ. pump disconnects.
7. Restrooms 137/138:
  - a. The receptacle in the plumbing chase should be the GFCI type. (The contractor should confirm GFCI's are installed at all plumbing chases as required. Most of them were not accessible during this visit).
  - b. Wall switches were not installed for manual control of lights in restrooms (occupancy control only). This is typical of all multi-occupant restrooms throughout. We have no objections to omitting these switches if this is preferred by the owner.
8. Commons 132:
  - a. The installed exit sign does not have the directional arrows applied to direct occupants to the exit door. Provide direction arrows as shown on plans.
  - b. A couple of the lights in this space have loose (possibly damaged) lenses. Repair/replace accordingly.
  - c. The manual "over-ride" switch for the corridor lighting controls is not the keyed type as required per CD's.
9. Choir 131:
  - a. No access. No observations.
10. Telecom Rm. 134:
  - a. Provide panel/circuit labeling for all receptacles.
  - b. Provide panel/circuit labeling for FCU disconnect switch.
  - c. Cap/seal open conduit stub-ups through slab.
11. Reception 101 (including Vestibule):
  - a. Numerous open j-boxes in ceiling and walls.
  - b. There are gaps in ceiling around light fixture in the Vestibule.
  - c. Lights need to be cleaned.
12. Lobby 102:

- a. Lights not installed at display nooks on west wall. Rough-in boxes are open with exposed wiring.
  - b. Lighting control over-ride switches are not the keyed type.
  - c. IT wiring/jacks not trimmed out in wood slat ceiling outside Vest. 103.
13. Conference Rm. 113:
- a. Dimming switches not provided as required per CD's.
  - b. Open j-box in ceiling with wiring cabling hanging out.
14. Corridor 108B:
- a. No switch installed at the east end of this corridor near Mail/Work 117. There are supposed to be two switches for this corridor that operate in a 3-way configuration.
15. Telecom. Rm. 114:
- a. Provide panel/circuit labeling for all receptacles.
  - b. Provide panel/circuit labeling for FCU disconnect switch.
  - c. Cap/seal open conduit stub-ups through slab.
  - d. Provide proper nameplate and Arc-Flash Analysis label for panelboard.
16. Elect. Rm. 127:
- a. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).
  - b. The installed equipment nameplates are not per specification. Provide engraved plastic nameplates for all major pieces of electrical equipment in compliance with Div. 260553-3.3S. The nameplates should include the equipment name, system voltage/configuration, and should identify the source each particular piece of equipment is fed from.
  - c. Verify that accurate, "as-built", panel schedules are provided for all panelboards.
17. Health 121:
- a. The lenses are missing from several of the light fixtures.
  - b. Dimming functions have not been provided at the curtained off patient areas as indicated on plans.
  - c. The elevator controller access doors that are installed flush in the west wall are open.
  - d. Several open j-boxes in ceiling.
  - e. The pre-wired systems furniture at Nurses reception counter is not connected for power or data. This work does not appear to have been captured in the CD's. Coordinate with the architect for direction on providing the required electrical connections.
18. Commons 151:
- a. The keyed over-ride switch has not been installed.
  - b. One of the exit signs (eastern) has not been installed. Install the additional exit sign as shown on plans or change the one fixture that is installed to a double face type. Directional arrows should be applied and point south to the exit door.
  - c. The exterior receptacle near the water fountain outside Commons 151 is not energized.
19. Pre-K 153:
- a. One of the light fixtures is not sitting flush in ceiling.
20. Janitor 161:
- a. The lens is missing from the light fixture.
21. Art 158:
- a. Lighting controls (switching zones) do not appear to be operating as indicated on plans.
  - b. Kiln Rm.:
    - i. Provide panel/circuit labeling for Kiln disconnect.

- ii. Grounding conductor not connected at Kiln disconnect. Provide grounding busing at concentric conduit knock-out as required per NEC.
22. Mechanical 163:
- a. Provide panel/circuit labeling for the water heater disconnect and circ. pump disconnects.
23. Corridor 185A:
- a. The exit sign located next to Elec. Rm 180 should be the double face type.
  - b. The exit sign near Commons 171 should be the double face type.
  - c. A keyed switch for manual control of corridor lighting has not been installed on east end of corridor (open j-box only).
24. Commons 171:
- a. The keyed switch for manual control of corridor lighting is not installed at exit doors (open j-box).
25. Computer Lab 175:
- a. There is an open j-box in wall next to the light switch.
  - b. The cover is loose from one floor box.
  - c. Provide panel/circuit labeling for floor box receptacles (this is typical for all floor boxes on project).
26. Elec. Rm 180:
- a. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).
  - b. The installed equipment nameplates are not per specification. Provide engraved plastic nameplates for all major pieces of electrical equipment in compliance with Div. 260553-3.3S. The nameplates should include the equipment name, system voltage/configuration, and should identify the source each particular piece of equipment is fed from.
  - c. Provide record of factory supported start-up and proper operation of the Emergency Lighting Inverter.
  - d. Verify that accurate, "as-built", panel schedules are provided for all panelboards.
  - e. The room needs to be cleaned of debris and constructions materials.
  - f. Cover open j-boxes.
27. Telecom. Rm 181:
- a. Provide panel/circuit labeling for all receptacles.
  - b. Provide panel/circuit labeling for FCU disconnect switch.
  - c. Cap/seal open conduit stub-ups through slab.
28. Janitor 173:
- a. Provide panel/circuit labeling for the water heater disconnect and circ. pump disconnects.
29. Boys/Girls restrooms 188:
- a. Wall switches (keyed type) are not installed for manual control of lights in restrooms (occupancy control only). This is typical of all multi-occupant restrooms throughout. We have no objections to omitting these switches if this is preferred by the owner.
30. Classroom 178:
- a. One light fixture is not operating.

**Level-2:**

1. Telcom Rm. 202:
- a. Provide panel/circuit labeling for all receptacles.
  - b. Provide panel/circuit labeling for FCU disconnect switch.

- c. Fire caulk/seal conduit sleeves through slab.
    - d. Bonding wire for equipment racks is not connected to ground bar.
  2. Elect. Rm. 200D:
    - a. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).
    - b. The installed equipment nameplates are not per specification. Provide engraved plastic nameplates for all major pieces of electrical equipment in compliance with Div. 260553-3.3S. The nameplates should include the equipment name, system voltage/configuration, and should identify the source each particular piece of equipment is fed from.
    - c. Verify that accurate, "as-built", panel schedules are provided for all panelboards.
    - d. The circuit numbering on the panel schedule for panel "H2MF1-B" does not match the numbering on breakers.
  3. Computer Lab 201:
    - a. Blank off the unused openings in floor boxes. (This is typical for all poke-thru type floor boxes throughout project)
    - b. Provide panel/circuit labeling for floor box receptacles. (This is typical for all floor boxes throughout the project.)
  4. Classroom 203:
    - a. Wall box/cover not coordinate with tack board on east wall.
  5. Commons 211:
    - a. One light fixture is missing.
    - b. One light fixture (corridor 200) is dirty/water damaged. Repair/replace accordingly.
  6. Boys/Girls RR's 208 & 209:
    - a. There is a gap in wall around receptacle (Boys 208)
    - b. Wall switches (keyed type) are not installed for manual control of lights in restrooms (occupancy control only). This is typical of all multi-occupant restrooms throughout. We have no objections to omitting these switches if this is preferred by the owner.
  7. Classrooms 212, 213, 214, 215:
    - a. Lights turn on automatically when entering room. The classroom lighting should be configured in "vacancy mode" (i.e. manual on). This is typical for all classrooms (See Lighting Sequence of Operations on plans.)
  8. Reading Enrichment 219:
    - a. The cover is missing from the receptacle next to the cabinet on north wall.
  9. Corridor 210A (stairway):
    - a. The exit sign should be the double face type.
  10. Janitor 233:
    - a. No access; no observations.
  11. Women 222:
    - a. Light fixture has been removed from ceiling. It is currently in operation up in the ceiling space.
  12. Elect. Rm 229:
    - a. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).

- b. The installed equipment nameplates are not per specification. Provide engraved plastic nameplates for all major pieces of electrical equipment in compliance with Div. 260553-3.3S. The nameplates should include the equipment name, system voltage/configuration, and should identify the source each particular piece of equipment is fed from.
  - c. Verify that accurate, "as-built", panel schedules are provided for all panelboards.
13. Telecom Rm 232:
- a. Provide panel/circuit labeling for all receptacles.
  - b. Provide panel/circuit labeling for FCU disconnect switch.
  - c. Fire caulk/seal conduit sleeves through slab.
  - d. Bonding wire for equipment racks is not connected to ground bar.
14. Science 234:
- a. The receptacle on the east wall near the entry door is caked with drywall mud. Clean/replace accordingly.
15. Boys/Girls RR's 225 & 226:
- a. Wall switches (keyed type) are not installed for manual control of lights in restrooms (occupancy control only). This is typical of all multi-occupant restrooms throughout. We have no objections to omitting these switches if this is preferred by the owner.
16. Corridor 230:
- a. The Area F3 section of this corridor appears to be controlled by a wall mounted occupancy sensor switch. The corridor lighting is supposed to be controlled via a relay panel with keyed over-ride switches as shown on plans. Correct and provide devices/control in compliance with CD's.
  - b. Stairway (east end of Corridor 230): The keyed over-ride switch for manual control of the corridor/stairway is not installed (open device box only).

**Exterior/Roof:**

1. Provide panel/circuit/voltage labeling for all roof top equipment disconnect.
2. Provide panel/circuit labeling for all roof top receptacles.
3. Some open j-boxes remain on the building exterior (access control/security?)
4. Site work is incomplete, primarily on the north and south sides of building (in progress). Some light poles not yet installed.
5. The exterior "Service Disconnect" should be labelled as such. Also, the service disconnect should be labelled with the available fault current value per NEC 110.16(B).

**General/Overall:**

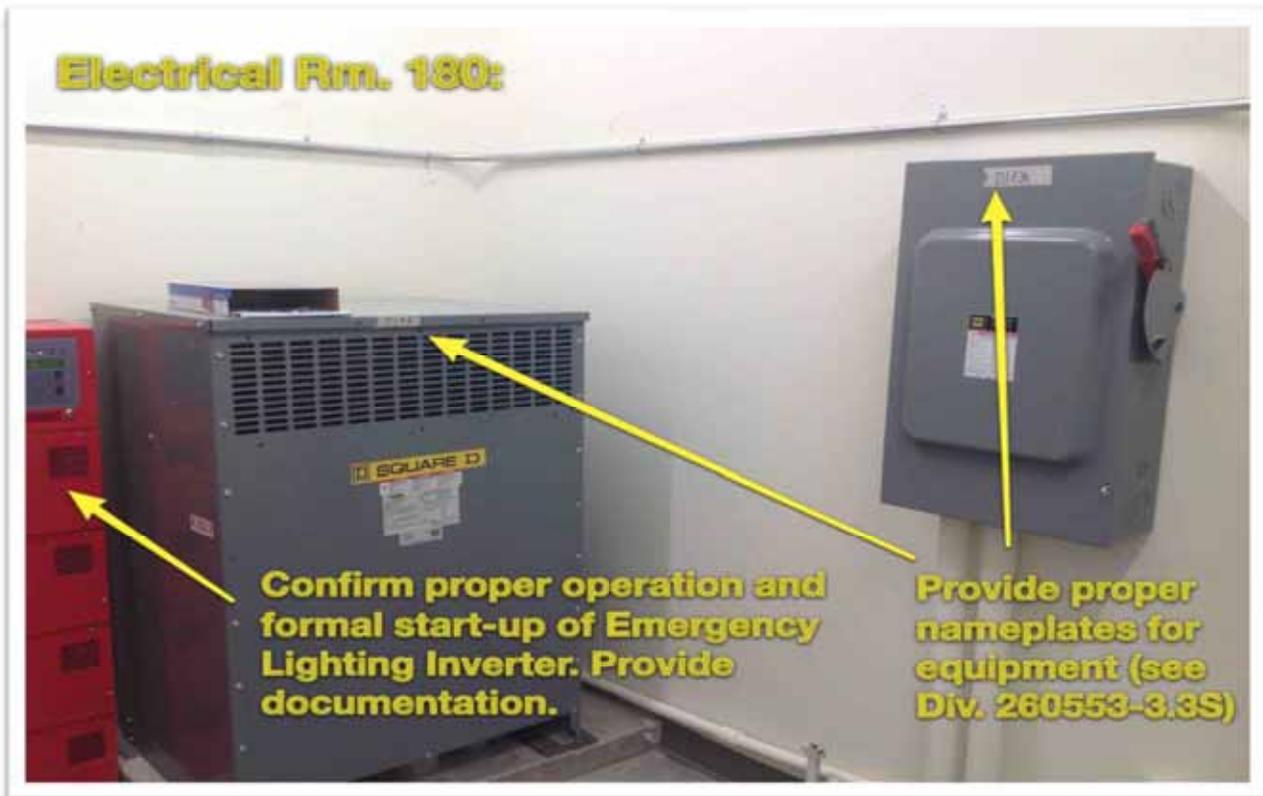
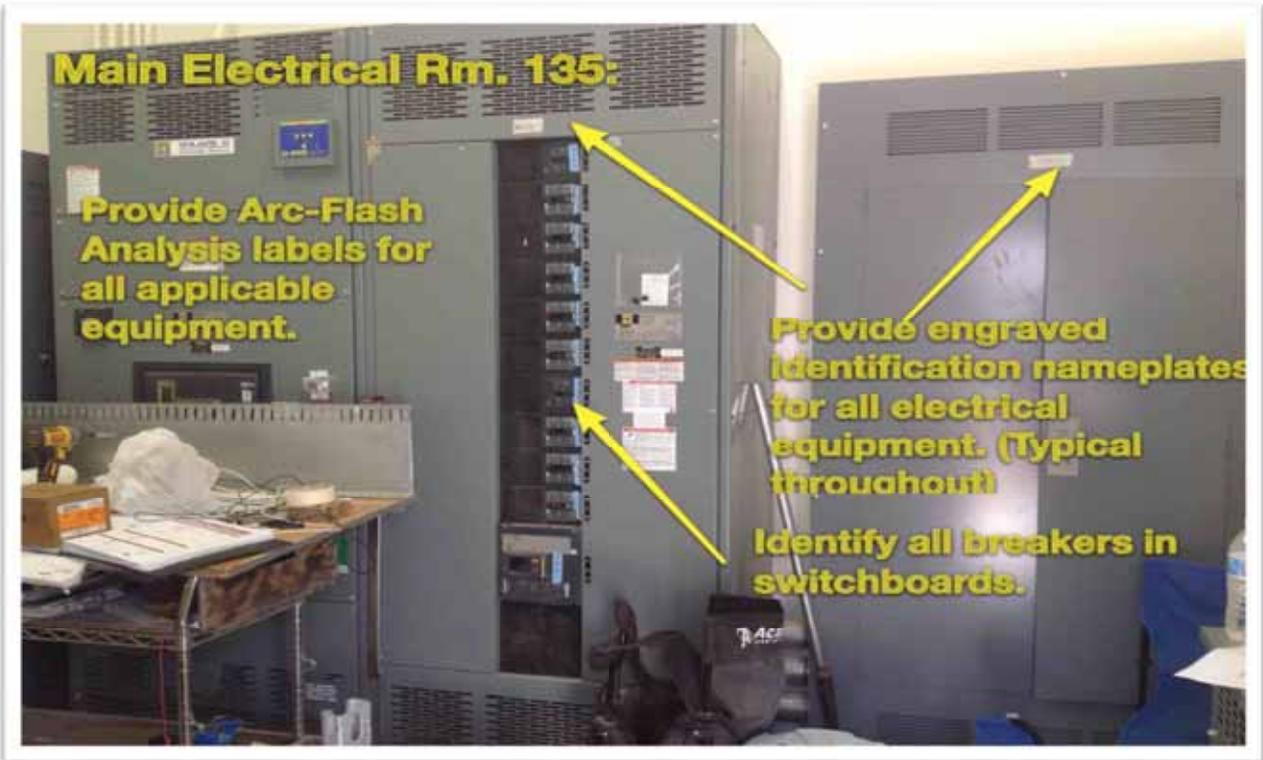
1. Complete the manufacturer supported start-up and programming for all lighting control systems. Provide documentation of start-up services and Owner training with the project closeout documents (O&M's)
2. Provide electrical labeling for all receptacles throughout the project, including in floor boxes, roof and exterior locations. Line voltage switches shall also be labeled.
3. Provide panel/circuit and voltage labels for all equipment disconnects, starters, and VFD's.
4. Provide engraved plastic nameplates for all major pieces of electrical equipment per Div. 260553-3.3S. The nameplates should include the equipment name, the system voltage/configuration, and should identify the source each particular piece of equipment is fed from.
5. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).
6. We show no record of having received a submittal for the above mentioned Studies. Submit completed Studies with an engineer's stamp as required per Div. 260573 and 260574.
7. Provide accurate, "as-built", panel schedules for all panelboards.

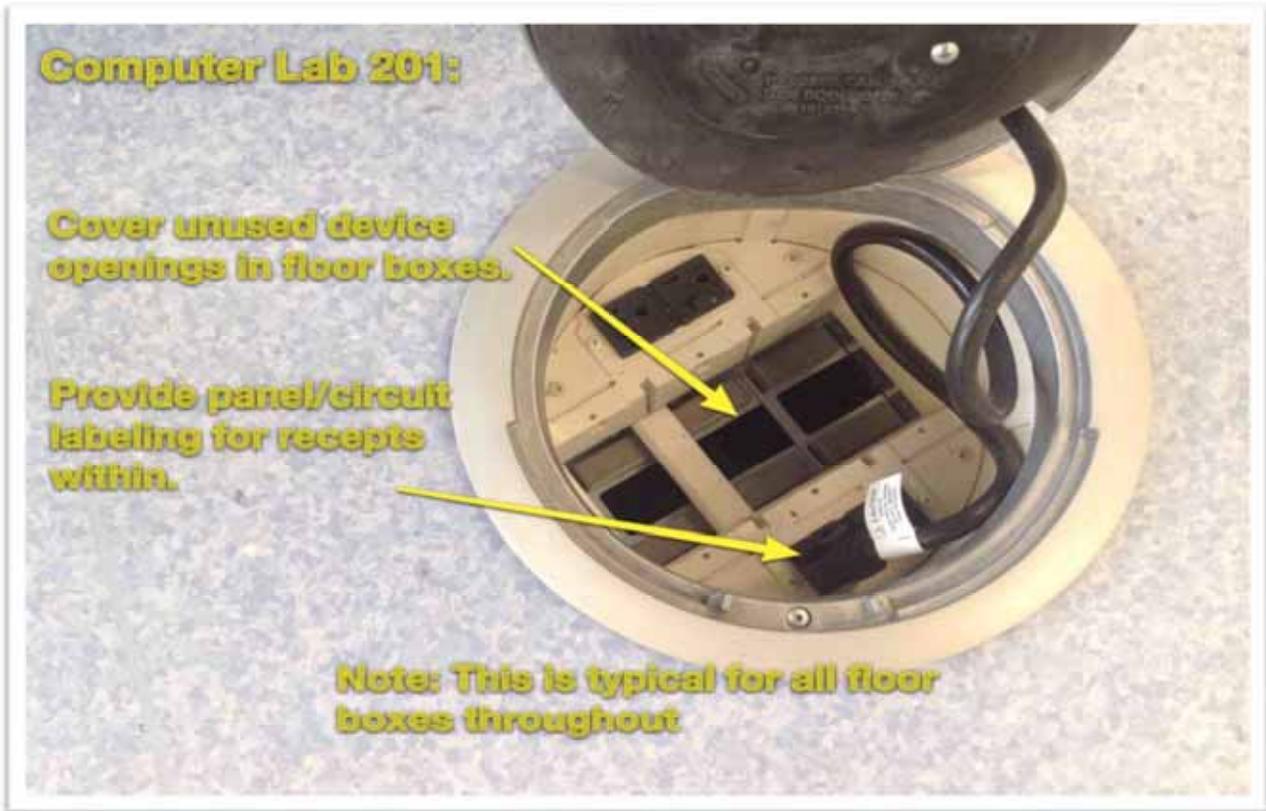
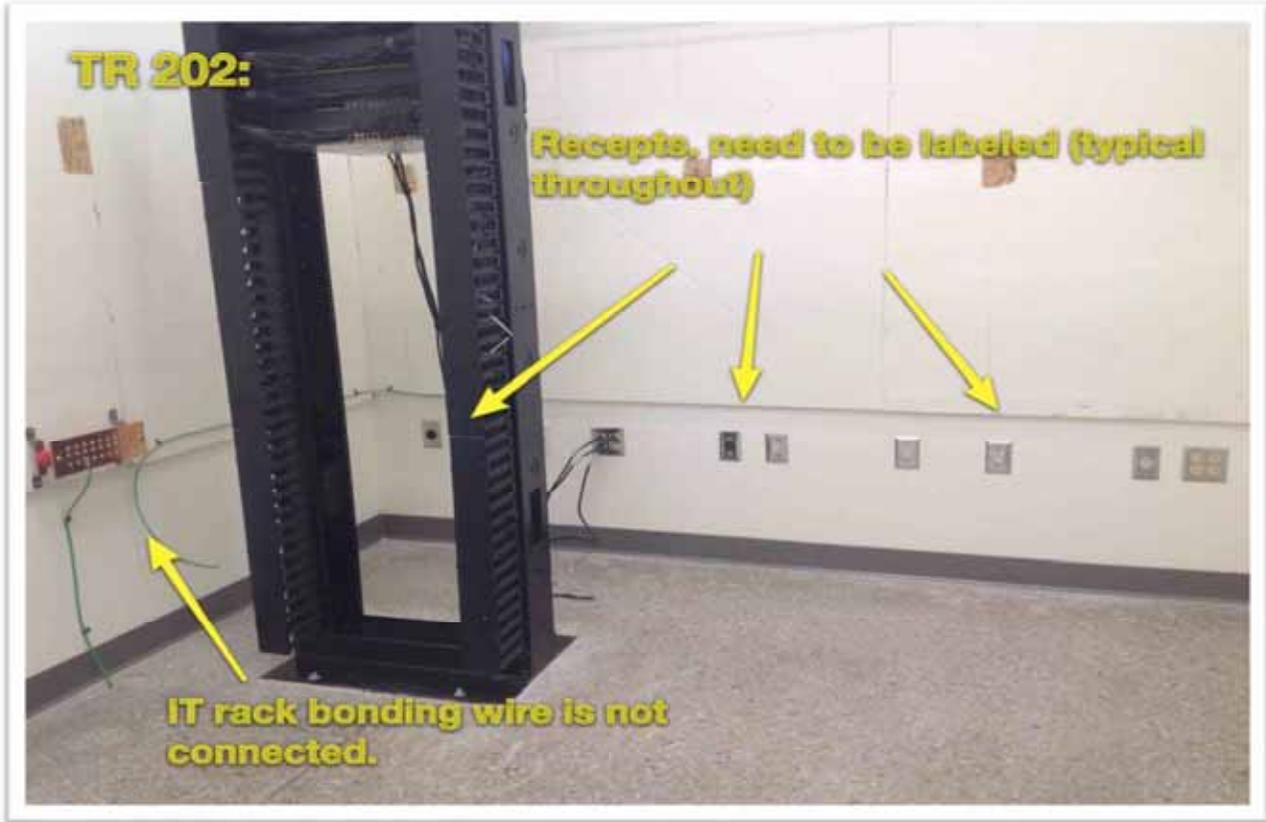
8. Complete the installations, wiring, programming and acceptance testing of the FA System and Fire Pump system. Provide documentation of completion and AHJ acceptance to be included with the project closeout documents (O&M's). Verify the removal of all FA device dust covers after final acceptance of the operational system is complete.
9. Provide documentation showing the satisfactory testing and operation of all Emergency Lighting units, including the Battery Inverter System per Div. 265119-3.5(A). Include testing reports with the project closeout documents (O&M's)
10. See also the attached photos. Some photos may contain items not listed above/below.

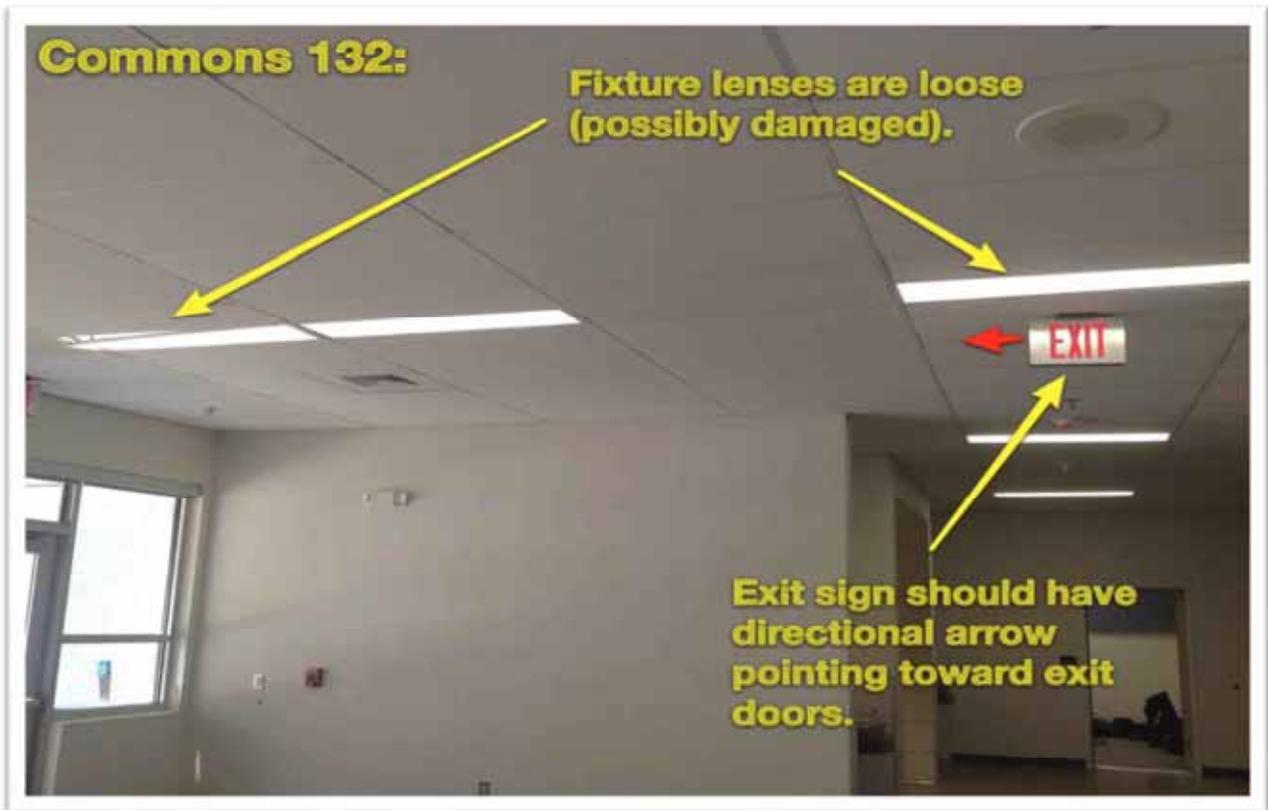
**Library Building:**

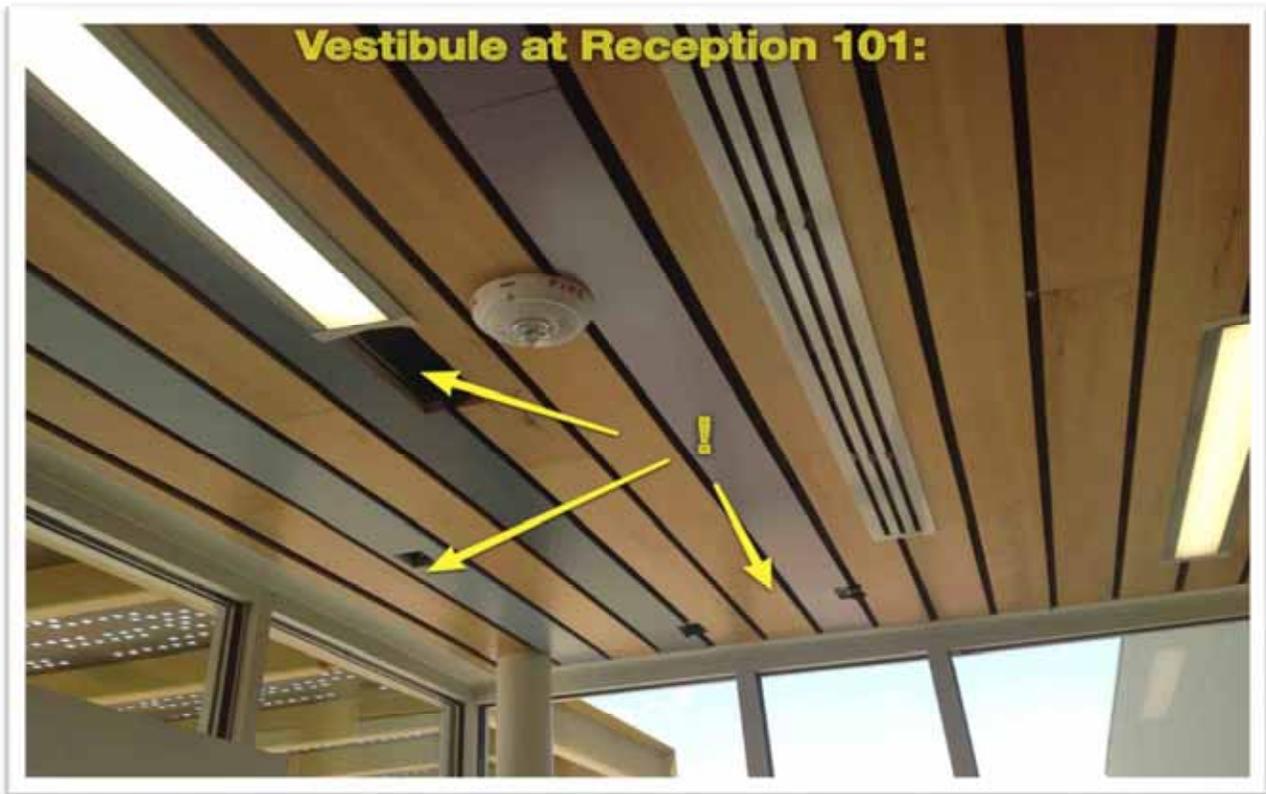
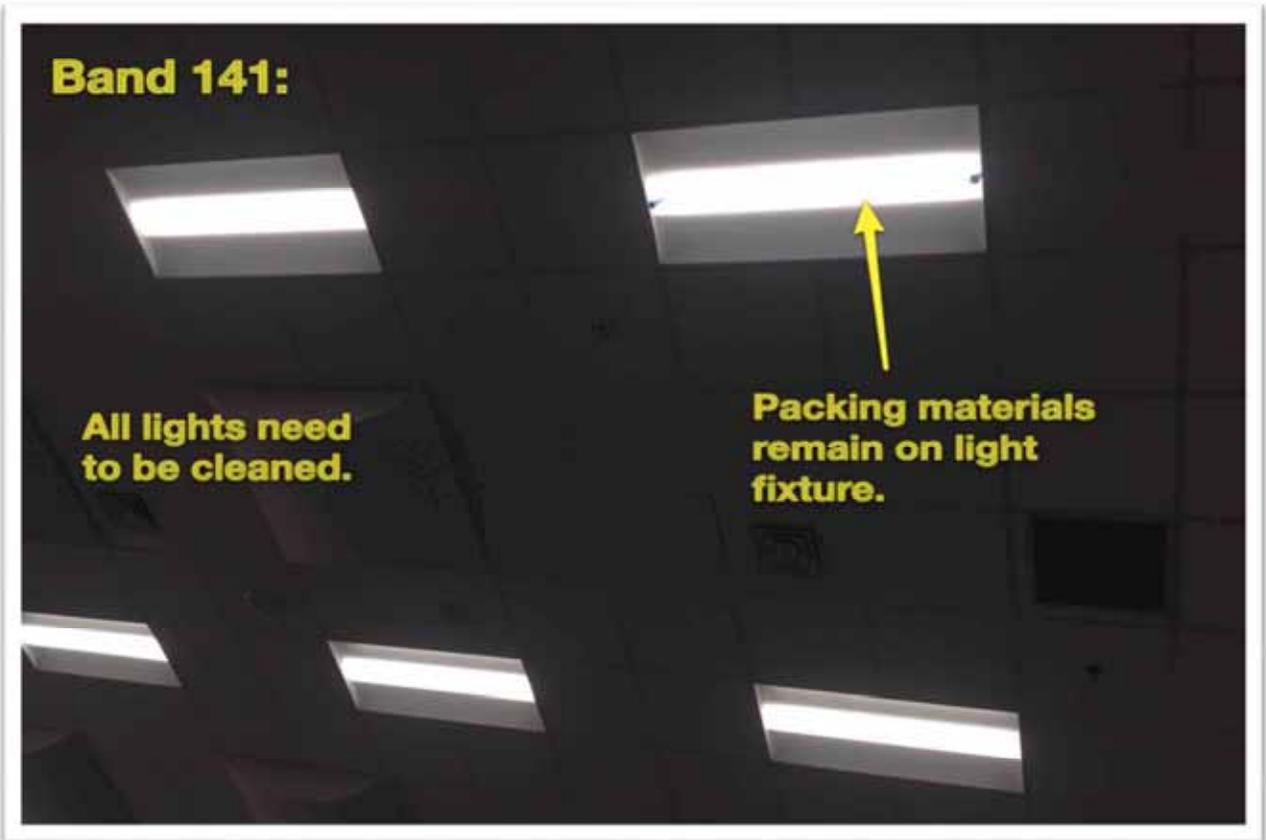
1. MS Stacks L151:
  - a. The light switches should be the keyed type.
  - b. The light switches are installed at a higher elevation than called out for on plans (48" AFF?). They will not meet ADA requirements as installed.
2. Storage L152B:
  - a. One of the light fixtures is not operating.
3. OFF 146:
  - a. All of the receptacles installed in this space appear to be wire incorrectly (reversed polarity). Correct as needed and verify all installed devices throughout are correctly wired.
  - b. One of the under-counter receptacles shown on plans is not installed.
4. ES Stacks L102A/Story Time L103:
  - a. Many of the receptacles in this space are incorrectly wired (reverse polarity). Correct as needed and verify correct installation throughout.
  - b. The light switches should be the keyed type.
  - c. The light switches are installed at a higher elevation than called out for on plans (48" AFF?). They will not meet ADA requirements as installed.
5. Mech/Elec. 1599:
  - a. Cover is removed from panelboard. Wiring is incomplete (work in progress?)
  - b. Complete terminations/wiring of devices and equipment (lighting controls)?
  - c. Verify the complete installation, wiring, and set-up of lighting controls. Verify proper operation and provide training/demonstration to the Owner.
  - d. Room need to be cleaned of trash and materials.
  - e. Provide cover for j-box behind transformer.
  - f. Provide proper equipment nameplates for all equipment (panel/transformer) in compliance with Div. 260553-3.3S.
  - g. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).
6. Exterior:
  - a. There are several instances of pre-existing installation on the building exterior that need to be removed if taken out of service or properly covered, supported, etc. if to remain.

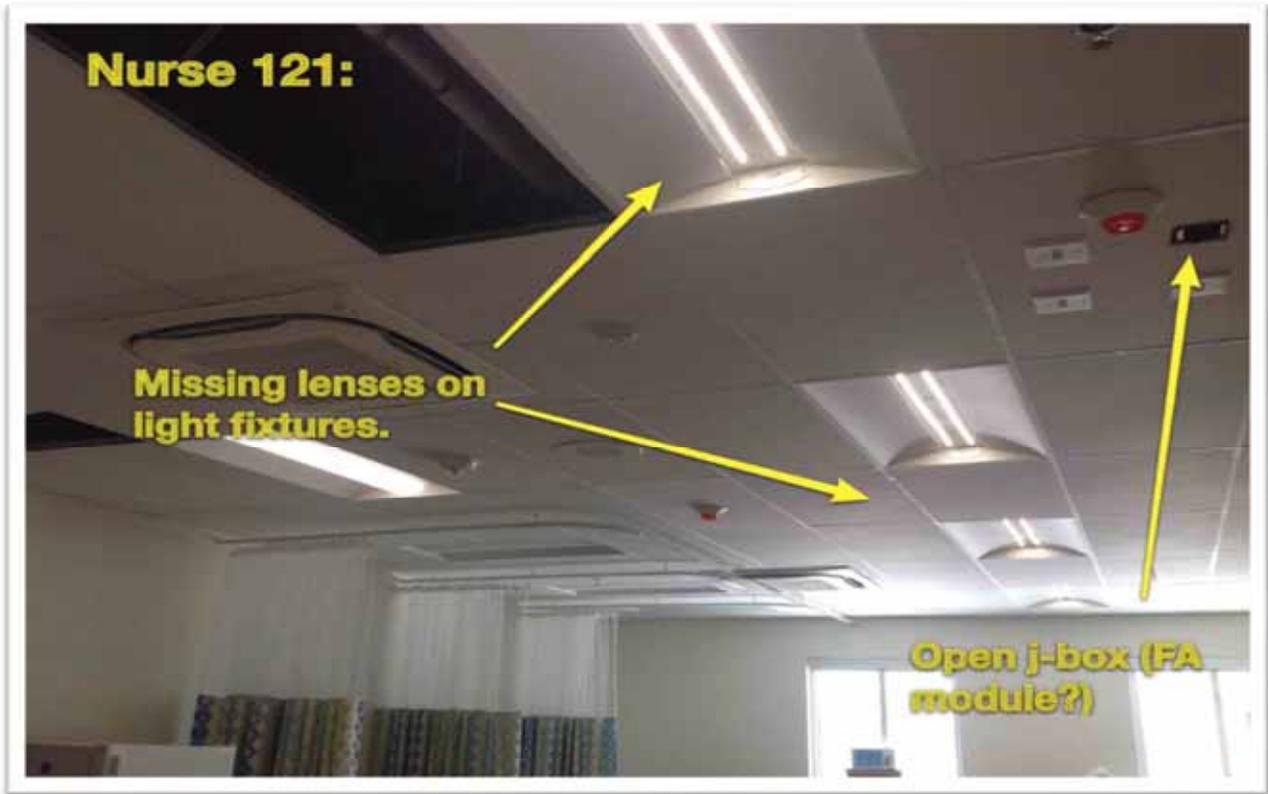
**Photos:** See below

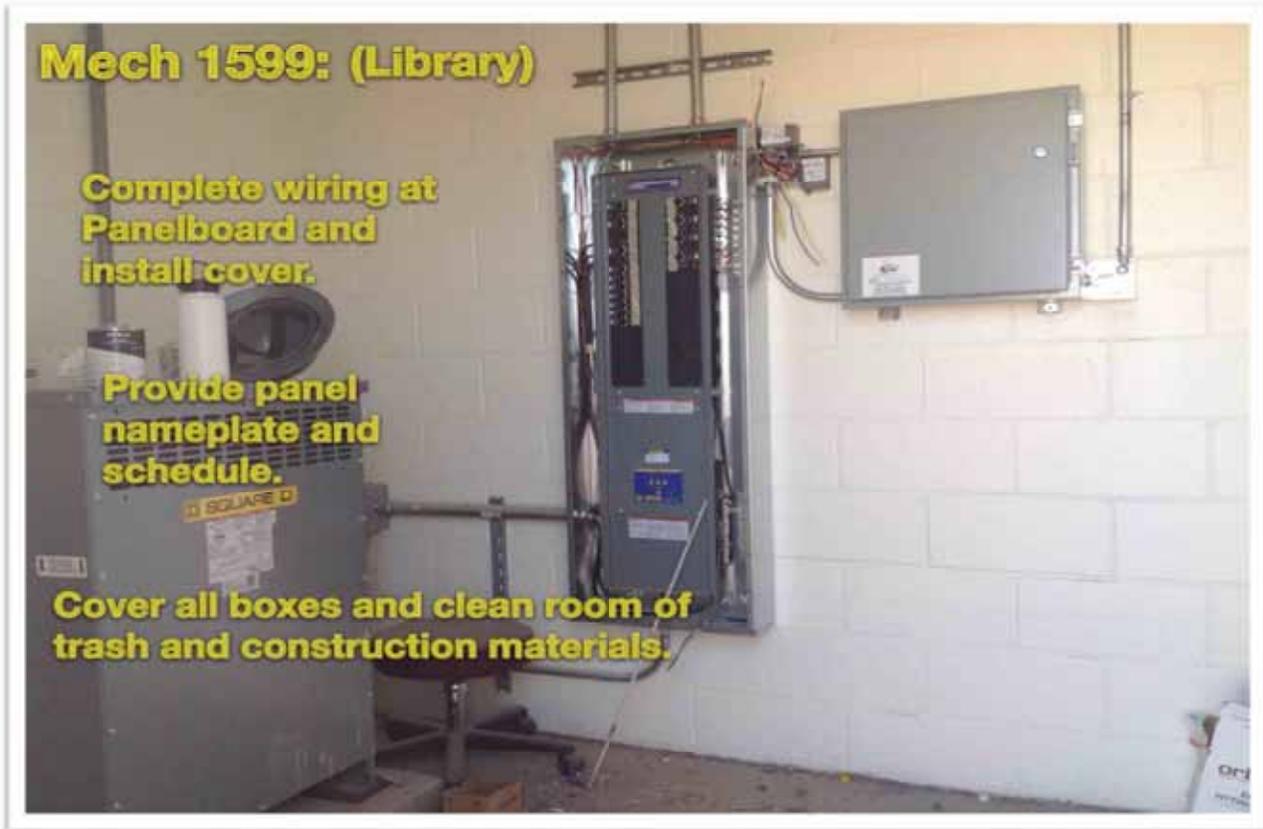
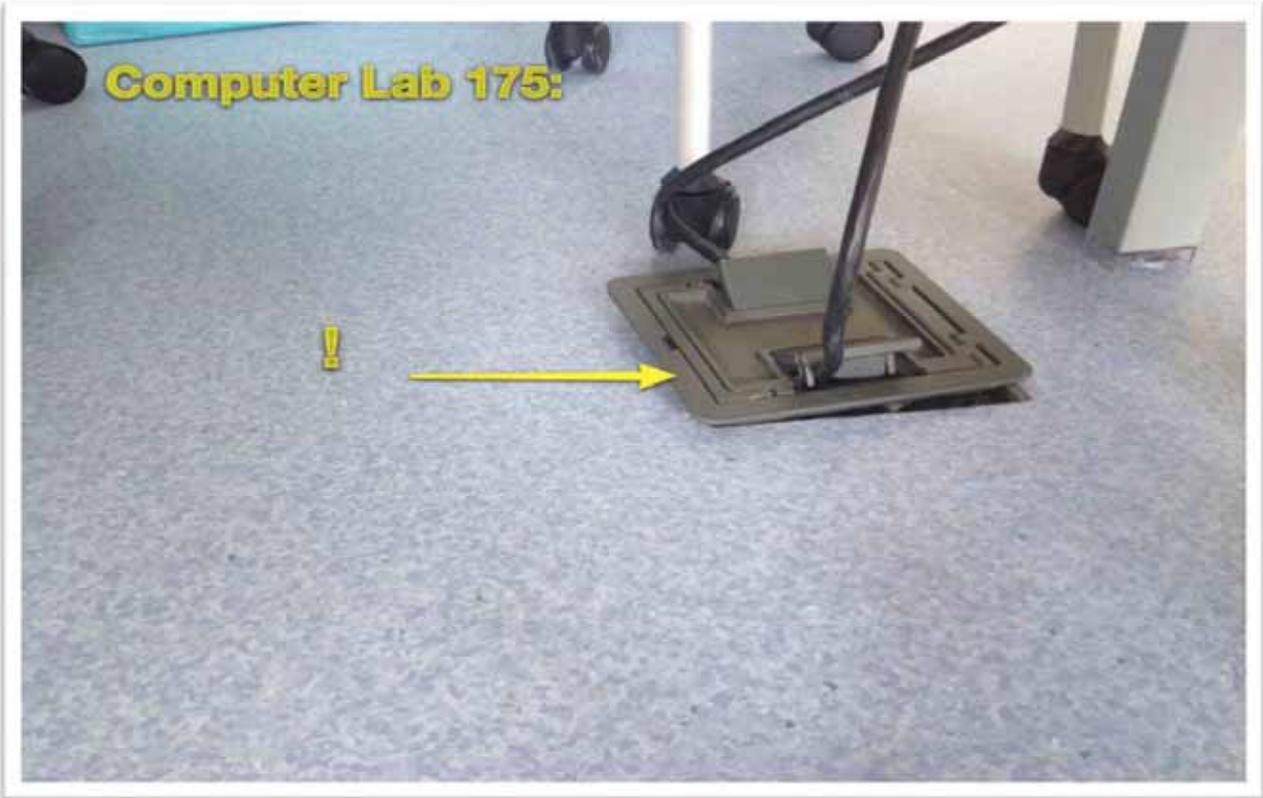




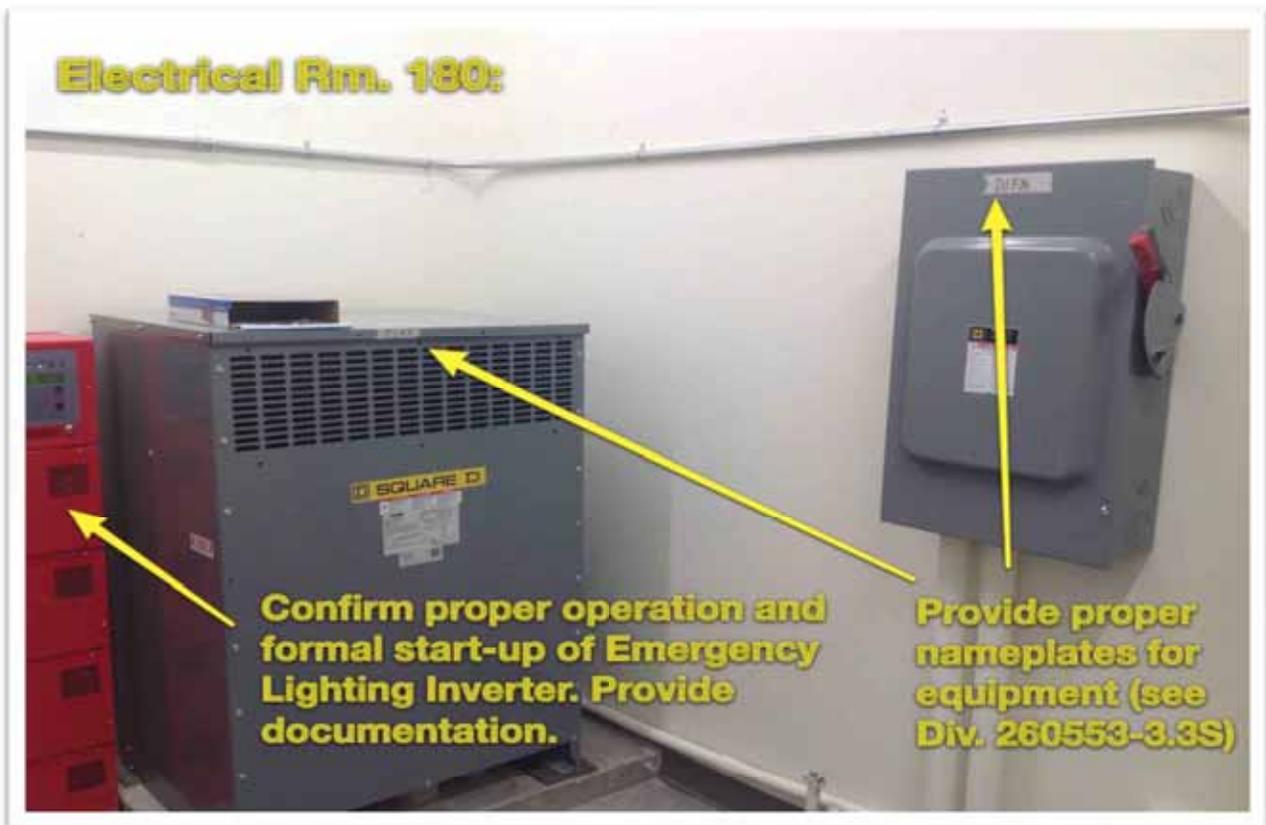


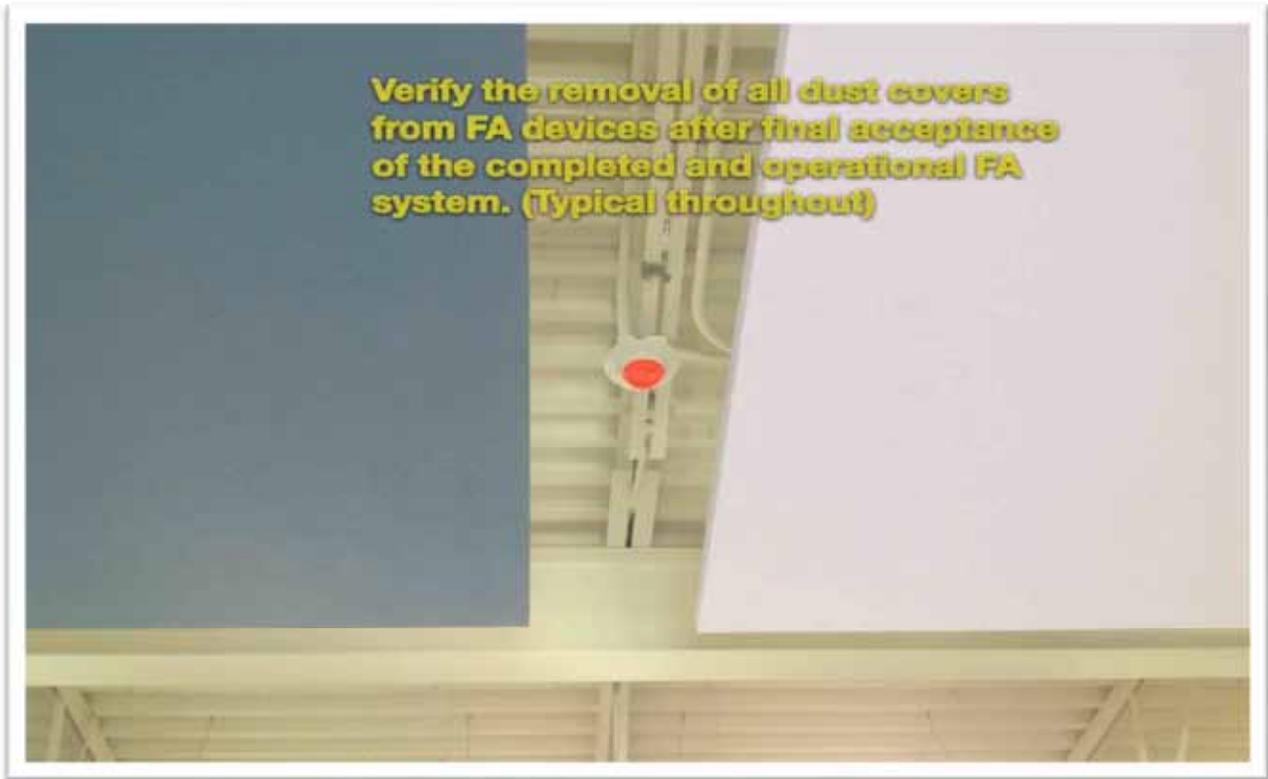












End of Report



## CONSTRUCTION OBSERVATION REPORT

OBSERVATION DATE: 07-21-21

DATE OF REPORT: 07-22-21

PROJECT NAME: BOBBY JOE HILL PK-8

PROJECT NUMBER: 17-184

PREPARED BY: R.H.

### Items Observed:

1. IN ROOM "KILN 140C" A 12X12 RETURN GRILLE NEEDS TO BE INSTALLED IN CEILING FOR AIR TO TRANSFER BACK TO UNIT. THIS WAS NOT SHOWN ON ORIGINAL CONSTRUCTION DOCUMENTS, BUT IT NEEDS TO BE PERFORMED FOR AIR TO TRAVEL BACK TO UNIT AS MENTIONED.
2. IN ROOM "OFFICE 140A" A 12X12 RETURN GRILLE NEEDS TO BE INSTALLED IN CEILING FOR AIR TO TRANSFER BACK TO UNIT. THIS WAS NOT SHOWN ON ORIGINAL CONSTRUCTION DOCUMENTS, BUT IT NEEDS TO BE PERFORMED FOR AIR TO TRAVEL BACK TO UNIT AS MENTIONED.
3. ROOM "ART 140"
  - a. NO HOT WATER WAS PRESENT DURING OBSERVATION.
  - b. WATER WAS COMING OUT WHITE, FLUSH SYSTEM BEFORE TURNING BUILDING IN TO OWNER.





- TRASH AT ROOF NEEDS TO BE CLEANED. CONTRACTOR MENTIONED THAT WATER WAS COMING OUT OF THE SECONDARY ROOF DRAIN DURING THE HEAVY RAINS IN THE PAST WEEKS. WE WOULD RECOMMEND A CAMERA BE RAN TO MAKE SURE NO PLASTIC BOTTLES ARE STUCK ON THE PRIMARY ROOF DRAINAGE.



- UNCOVER VENT LINE LOCATED ON ROOF.



- CONDENSATE DRAIN LINE IS DRIPPING ON THE ROOF. SEND DRAIN LINE TO A SERVICE SINK IN A JANITOR'S CLOSET. PROVIDE IDENTIFICATION TAG ON UNIT.

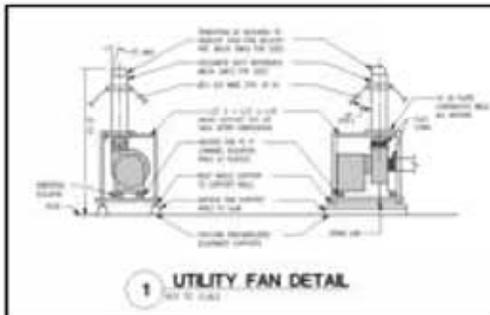




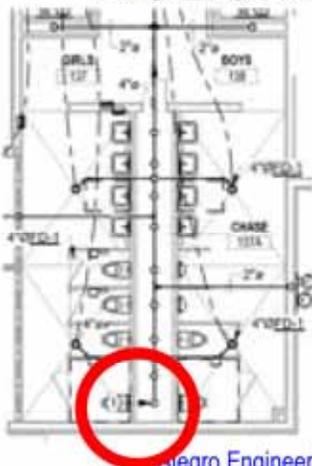
7. EXHAUST FAN ON ROOF WAS UNCOVERED, IT SEEM THEY WERE WORKING ON IT. MAKE SURE EXHAUST FAN IS OPERATIONAL BEFORE TURNING IN BUILDING TO OWNER.



8. UTILITY FAN NEEDS TO BE PROVIDED WITH A TRANSITION ON THE DISCHARGE DUCT AS PER DETAIL 1/MH504.



9. IN ROOM "A133 ENSEMBLE", THE DIFFUSERS WERE EXTREMELY NOISY, MAKE SURE TEST AND BALANCE BALANCES THIS DIFFUSERS PROPERLY.
10. IT WAS OBSERVED THROUGHOUT THE BUILDING THAT FLOOR DRAINS DO NOT HAVE A TRAP SEAL AS REQUIRED IN PLUMBING FIXTURE SCHEDULE.
11. HOSE BIBBS NEED TO BE PROVIDED WITH LOOSE TEE KEY HANDLE.
12. CLEAN OUT SHOULD BE A WALL CLEAN OUT AS CALLED OUT ON DRAWINGS NOT FINISHED ON THE PLUMBING CHASE.



① UP TO WCO





13. CLEAN URINALS, LAVATORIES, SINKS AND WATER CLOSETS, BEFORE TURNING BUILDING IN TO OWNER.



14. IN ROOM "A136 JANITORS" PROVIDE IDENTIFICATION TAGS ON PIPING.  
15. FLOOR DRAINS IN THE RESTROOMS OF "HEALTH 121" WERE CLOGGED.





16. A CONDENSATE DRAIN LINE WAS OBSERVED IN THE "MAIN TELECOM 114" ROOM, LINE WAS LOCATED ABOVE THE PANELS. WILL THIS CONDENSATE DRAIN LINE NEED TO BE RELOCATED?



17. SINK IN ROOM "121 HEALTH" DID NOT HAVE WATER DURING OBSERVATION.  
18. EXHAUST DUCT MISSING GRILLE IN ROOM "ELEC 127", AND EXHAUST FAN WAS NOT FUNCTIONING.



19. EXHAUST FAN SERVING "MAIL 117" WAS EXTREMELY NOISY. MAKE SURE TEST AND BALANCE CONTRACTOR LOOKS AT THE ISSUE.  
20. NO COLD WATER WAS PRESENT ON LAVATORY LOCATED IN ROOM "MEN'S 111".  
21. EXHAUST FAN SERVING "MEN'S 111" WAS NOT INTERLOCKED WITH LIGHTSWITCH  
22. DRINKING FOUNTAIN IN "CORRIDOR 188A" WAS NOT FUNCTIONING DURING OBSERVATION.  
23. SOME ROOFTOP UNITS WERE NOT OPERATING DURING WALKTHROUGH, A LOT OF CLASSROOMS WERE ABOVE DESIGN TEMPERATURE AND ROOFTOP UNIT WOULD NOT KICK IN. MAKE SURE TEST AND BALANCE AND CONTROLS CONTRACTOR CONFIRMS SET POINTS.  
24. IN ROOM "PRE-K 157A" THE RESTROOM PROVIDED IS FOR AN ADULT, THIS RESTROOM NEEDS TO BE A CHILDREN WATER CLOSET LIKE THE OTHER PRE-K AND KINDER ROOMS.  
25. IN ROOM "KILN 158B" A 12X12 RETURN GRILLE NEEDS TO BE INSTALLED IN CEILING FOR AIR TO TRANSFER BACK TO UNIT. THIS WAS NOT SHOWN ON ORIGINAL CONSTRUCTION DOCUMENTS, BUT IT NEEDS TO BE PERFORMED FOR AIR TO TRAVEL BACK TO UNIT AS MENTIONED.



26. DUCT INSULATION IN ROOM "ART 158" WAS RIPPED AND THERE IS A HOLE IN THE DUCT THAT WAS NOT COVERED.



27. EXHAUST FAN LOCATED IN ROOM "161 JANITORS" WAS NOT INTERLOCKED WITH THE LIGHTSWITCH. HOW WILL THIS EXHAUST FAN BE CONTROLLED?
28. LAVATORY LOCATED IN ROOM "KINDER 154" HAD A DIFFERENT AERATOR THAN THE OTHER LAVATORIES.
29. EXHAUST FAN IN ROOM "KINDER 159A" WAS NOT OPERATING DURING OBSERVATION.
30. NO HOT WATER WAS PRESENT IN ROOM "RR 167"
31. WATER CLOSET WAS NOT ANCHORED PROPERLY.



32. RANGE HOOD LOCATED IN ROOM "182 LIFE SKILLS" WAS NOT OPERATING DURING OBSERVATION.
33. DRINKING FOUNTAIN LOCATED IN LIBRARY WAS NOT OPERATING DURING OBSERVATION.
34. EXHAUST FAN IN LIBRARY WAS NOT OPERATING DURING OBSERVATION.
35. "MEDIA L153" ROOM WAS VERY HOT DURING OBSERVATION, MAKE SURE TEST AND BALANCE CONTRACTOR BALANCES THIS ROOM AS PER DESIGN.

Such visits and **observation** are not intended to be an exhaustive check or a detailed inspection of the Contractor's work but rather are to allow the Consultant to become generally familiar with the Work in progress and to determine, in general, if the Work is proceeding in accordance with the Contract Documents.

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (40 Days Max)	PHOTO (insert image related to task)	TASK COMPLETED DATE	PHOTO1 (other photo)
	prep and point point handrails - steel markings, primer, grind marks, etc showing through					Y	
	touch up at supply registers at east side	1st floor commons			Refer to photo 445B	Y	
	string hanging from wood ceiling				Refer to photos 446-449B	Y	
	damaged ceiling tiles - multi				Refer to photos 450-465B	Y	
	damaged girt				Refer to photo 465B	Y	
	remove construction materials				Refer to photo 466B	Y	
	remove existing trimmers no longer being used and patch and paint to match adjacent surface	1st floor commons			Refer to photos 468-489B	Y	
	patch electrical boxes of ceiling - multi				Refer to photos 490,492,493 and 494B	Y	
	open electrical box at north corridor adjacent to E110				Refer to photo 491B	Y	

Project Work Through September  
 D. Tys McGowan 4/10/23  
 CONSULTANT and DATE  
 Kelly C. Doolittle 4-20-23  
 CONSULTANT and DATE  
 Ernesto L. Ortiz April 18, 2023  
 MANAGER and DATE  
 4/17/23  
 PROJECT and DATE  
 Maria F. Hernandez 4/17/23  
 HEAD CUSTODIAN and DATE  
 Laura Dominguez 03/29/23  
 PROJECT MANAGER and DATE

A. Lopez  
 M. Lopez  
 JB 10-17-23  
 Maria Jones 10/16/23  
 Maria F. Hernandez  
 Rene Falcon

# CONSTRUCTION PUNCHLIST

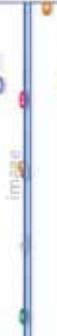
PROJECT NAME: BOBBY JOE HILL PK-8

CONTRACTOR: ARROW CONSTRUCTION

PROJECT NO: 617

SITE VISIT DATE: March 3, 2023

ALL PUNCHLIST ITEMS MUST BE COMPLETED WITHIN 60 DAYS OF SUBSTANTIAL COMPLETION. THIS REPORT WILL BE SUBMITTED TO THE BOARD OF TRUSTEES.

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	damaged ceiling tile - multiple	E122			Refer to photos 1-4	Y	   
	wall touch up				Refer to photo 5	Y	
	cove base coming loose - multiple				Refer to photo 6-7	Y	 
	light fixture - lens damaged				Refer to photo 8	Y	
	caulking at soffit to millwork				Refer to photo 9	Y	
	doors do not latch				Refer to photo 10	Y	
	paint touch up at door frame				Refer to photo 11	Y	
	chips and scratches in door				Refer to photos 12-13	Y	 
	scratch in door	E123			Refer to photo 14	Y	
	damaged ceiling tiles - multiple				Refer to photos 15-18	Y	   
	damaged grid				Refer to photo 19	Y	
	flop at light fixture				Refer to photo 20	Y	
	base coming loose				Refer to photos 21-22	Y	 
	touch up at soffit above millwork				Refer to photo 23	Y	
	caulking at top of millwork to soffit				Refer to photo 24	Y	
	missing screw at glass stop	E124			Refer to photo 25	Y	
	damage at epoxy counter top - multiple				Refer to photo 26	Y	
	remove temp brace from cabinet				Refer to photo 30	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (Insert Image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	damaged ceiling tiles - multiple				Refer to photos 31-41	Y	
	damaged ceiling grid				Refer to photo 42	Y	
	clean at safety shower					Y	
	valve incorrect at safety shower					Y	
	paint touch up - multiple				Refer to photos 43-44	Y	
	wall loose at base at east wall by door				Refer to photo 45	Y	
	missing door hardware				Refer to photo 46	Y	
	adjust millwork door at tail cabinet - hitting counter top				Refer to photo 47	Y	
	missing fire sprinkler escutcheon	E124			Refer to photo 48	Y	
	damaged and missing tile				Refer to photos 49-51	Y	
	damage at epoxy counter top				Refer to photos 52	Y	
	damage at millwork door				Refer to photo 53	Y	
	blind side panel fell off				Refer to photo 54	Y	
	light fixture not working				Refer to photo 55	Y	
	scratches in door	E125			Refer to photo 56-57	Y	
	light fixtures not working				Refer to photo 58	Y	
	paint touch up at door frame					Y	
	door prep and paint				Refer to photo 59	Y	
	remove existing piping				Refer to photo 60	Y	
	clean door hardware				Refer to photo 61	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	missing closer cover				Refer to photo 62	Y	
	paint conduit				Refer to photo 63	Y	
	install shelving and clean millwork				Refer to photo 64	Y	
	power for stove				Refer to photo 65	Y	
	install dish washer				Refer to photo 66-67	Y	
	damaged ceiling grid				Refer to photo 68	Y	
	damaged ceiling tile - multiple				Refer to photos 69-77	Y	
	end cap at schuter firm	E125A			Refer to photos 78-79	Y	

## Punchlist

Coverage Scope: **1<sup>st</sup> Floor**  
Date: 01/12/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



PHOTO 01



PHOTO 02



PHOTO 03



PHOTO 04



PHOTO 05



PHOTO 06



PHOTO 07



PHOTO 08



PHOTO 09



PHOTO 10



PHOTO 11



PHOTO 12



**PHOTO 13**



**PHOTO 14**



**PHOTO 15**



**PHOTO 16**



PHOTO 17



PHOTO 18



PHOTO 19



PHOTO 20



PHOTO 21



PHOTO 22



PHOTO 23



PHOTO 24



PHOTO 25



PHOTO 26



PHOTO 27



PHOTO 28



PHOTO 29



PHOTO 30



PHOTO 31



PHOTO 32



PHOTO 33

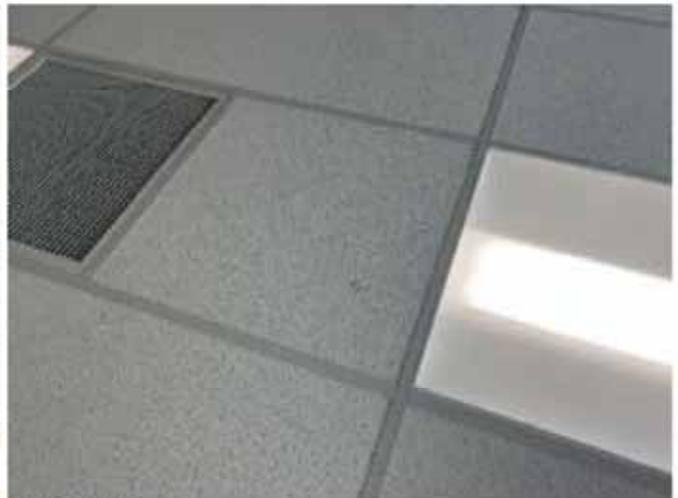


PHOTO 34



PHOTO 35



PHOTO 36



PHOTO 37



PHOTO 38



PHOTO 39



PHOTO 40



PHOTO 41



PHOTO 42



PHOTO 43



PHOTO 44



PHOTO 45



PHOTO 46



PHOTO 47



PHOTO 48



PHOTO 49



PHOTO 50



PHOTO 51



PHOTO 52



PHOTO 53



PHOTO 54



PHOTO 55



PHOTO 56



PHOTO 57



PHOTO 58



PHOTO 59



PHOTO 60



PHOTO 61



PHOTO 62



PHOTO 63



PHOTO 64



PHOTO 65



PHOTO 66



PHOTO 67



PHOTO 68



PHOTO 69



PHOTO 70



PHOTO 71



PHOTO 72



PHOTO 73



PHOTO 74



PHOTO 75



PHOTO 76



PHOTO 77



PHOTO 78



**PHOTO 79**

End of Punchlist Photos

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

CONSTRUCTION PUNCHLIST		PROJECT NO: _____		SITE VISIT DATE: _____		ALL PUNCHLIST ITEMS MUST BE COMPLETED WITHIN 60 DAYS OF SUBSTANTIAL COMPLETION. THIS REPORT WILL BE SUBMITTED TO THE BOARD OF TRUSTEES.	
PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	repair tile at light switch	E125A			Refer to photo 80	Y	
	caulk at hand dryer				Refer to photo 81	Y	
	caulk schluter trim to wall				Refer to photos 82-83	Y	
	door binding				Refer to photo 84	Y	
	touch up at wall				Refer to photo 85	Y	
	damaged ceiling tile - multiple	E125B			Refer to photos 86-88	Y	
	plug screws at upper cabinets				Refer to photo 89	Y	
	damage to door frame				Refer to photo 90	Y	
	missing closer cover	E127			Refer to photo 91	Y	
	clean up construction debris				Refer to photo 92	Y	
	install door threshold and sweep				Refer to photo 93	Y	
	adjust ceiling tiles - multiple				Refer to photos 94-96	Y	
	blank off at strike opening in frame				Refer to photo 97	Y	
	paint cover at east wall	E127A			Refer to photo 98	Y	
	clean and paint access door				Refer to photo 99	Y	
	touch up at schluter trim to wall				Refer to photo 100	Y	
	install access door				Refer to photo 101	Y	
	scratches and paint at door	E133			Refer to photo 102	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (Insert Image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	touch up at wall				Refer to photo 103	Y	
	room locked	E1278				Y	
	touch up at door frame behind door	E134			Refer to photo 104	Y	
	chipped tile				Refer to photo 105	Y	
	touch up at schluter trim to wall				Refer to photo 106	Y	
	chipped wall tile - multiple	E128			Refer to photos 107-108	Y	
	clean up construction debris				Refer to photo 109	Y	
	clean and paint access door				Refer to photo 110	Y	
	touch up at schluter trim to wall				Refer to photo 111	Y	
	adjust and touch up at light switch	E129			Refer to photo 112	Y	
	chipped wall tile - multiple				Refer to photos 113-116	Y	
	touch up at door frame				Refer to photo 117	Y	
	clean up construction material and debris	E135			Refer to photos 118-120	Y	
	paint conduit				Refer to photo 125	Y	
	open conduit?				Refer to photo 121-124	Y	
	fire extinguisher bracket damaged				Refer to photo 126	Y	
	prep and paint doors				Refer to photo 127	Y	
	lower flush bolt not working				Refer to photo 128	Y	
	missing closer cover	E136			Refer to photo 129	Y	
	remove tape from door				Refer to photo 130	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	paint exposed conduit				Refer to photos 131,132,134	Y	
	remove construction debris and tools				Refer to photo 133	Y	
	touch up at door frame	E130			Refer to photo 135	Y	
	damaged ceiling tiles - multiple	E131			Refer to photos 136-141	Y	
	damage at aluminum window				Refer to photo 142	Y	
	missing drywall at corner of room				Refer to photo 143	Y	
	room locked	E132B				Y	
						Y	

# Punchlist

Coverage Scope: **1<sup>st</sup> Floor**  
Date: 03/03/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



PHOTO 80



PHOTO 81



PHOTO 82



PHOTO 83



PHOTO 84



PHOTO 85



PHOTO 86



PHOTO 87



PHOTO 88



PHOTO 89



PHOTO 90



PHOTO 91



PHOTO 92



PHOTO 93



PHOTO 94



PHOTO 95



PHOTO 96



PHOTO 97



PHOTO 98



PHOTO 99



PHOTO 100



PHOTO 101



PHOTO 102



PHOTO 103



PHOTO 104



PHOTO 105



PHOTO 106



PHOTO 107



PHOTO 108



PHOTO 109



PHOTO 110



PHOTO 111



PHOTO 112



PHOTO 113



PHOTO 114



PHOTO 115



PHOTO 116



PHOTO 117



PHOTO 118



PHOTO 119



PHOTO 120



PHOTO 121



PHOTO 122



PHOTO 123



PHOTO 124



PHOTO 125



PHOTO 126



PHOTO 127



PHOTO 128



PHOTO 129



PHOTO 130



PHOTO 131



PHOTO 132



PHOTO 133



PHOTO 134



PHOTO 135



PHOTO 136



PHOTO 137



PHOTO 138



PHOTO 139



PHOTO 140



PHOTO 141



PHOTO 142



PHOTO 143



PHOTO 144



PHOTO 145

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

CONSTRUCTION PUNCHLIST		PROJECT NO: _____		SITE VISIT DATE: _____		ALL PUNCHLIST ITEMS MUST BE COMPLETED WITHIN 60 DAYS OF SUBSTANTIAL COMPLETION. THIS REPORT WILL BE SUBMITTED TO THE BOARD OF TRUSTEES.	
PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	install electric strike	E132			Refer to photo 144	Y	
	missing door silencers				Refer to photo 145	Y	
	cover exposed screws at top of tall cabinets				Refer to photo 146	Y	
	adjust light fixture in ceiling grid				Refer to photo 147	Y	
	missing ceiling tile at ceiling IT box				Refer to photo 148	Y	
	adjust ceiling tile				Refer to photo 149	Y	
	install door threshold and sweep				Refer to photo 150	Y	
	open electrical box	E132A			Refer to photo 151	Y	
	install access door				Refer to photo 152	Y	
	schluter trim cap missing				Refer to photo 153	Y	
	touch up at walls - multiple	E137			Refer to photos 154-156	Y	
	damaged ceiling tile - multiple				Refer to photos 157-164	Y	
	touch up at door frame				Refer to photo 165	Y	
	scratch in door	E137A			Refer to photo 166	Y	
	damaged ceiling grid				Refer to photo 167	Y	
	scratches in door	E138			Refer to photos 168, 170	Y	
	paint touch up in small closet				Refer to refer photo 171	Y	
	cover exposed screws at top of tall cabinets				Refer to photo 172	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	damage at epoxy tops				Refer to photo 173	Y	
	verify height of eye wash				Refer to photo 174	Y	
	clean and paint safety shower					Y	
	remove construction materials and debris					Y	
	finish install of sink and millwork	E138A			Refer to photo 175	Y	
	damaged ceiling tile - multiple				Refer to photos 176-178	Y	
	prep and paint door frame				Refer to photos 179-180	Y	
	missing door silencers	E139			Refer to photo 181	Y	
	door handle coming off				Refer to photo 183	Y	
	adjust doors on tall cabinets				Refer to photo 184	Y	
	prep door frame for lever set strike				Refer to photo 185	Y	
	damaged ceiling tile - multiple				Refer to photos 186-187	Y	
	incorrect ceiling wall angle				Refer to photo 188	Y	
	door prep and touch up	E140			Refer to photos 189-190	Y	
	adjust tall cabinet doors				Refer to photos 191-192	Y	
	adjust ceiling tile at ceiling IT box				Refer to photos 193	Y	
	damage to door	E101			Refer to photo 194	Y	
	prep and paint door frame				Refer to photos 195-197	Y	
	remove nails from wall in small closet				Refer to photo 198	Y	
	caulk door frame to wall				Refer to photo 199	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	damaged ceiling grid				Refer to photo 200	Y	
	damaged ceiling tile - multiple				Refer to photos 201-212	Y	
	adjust ceiling tile in grid	E104			Refer to photo 213	Y	
	drywall and paint touch up				Refer to photos 214-216	Y	
	adjust grid				Refer to photos 217-222	Y	
	missing screw at electrical box cover				Refer to photo 223	Y	
	scratch in door sign	E102				Y	
	light fixture missing lens				Refer to photo 224	Y	



PHOTO 146



PHOTO 147



PHOTO 148



PHOTO 149



PHOTO 150



PHOTO 151



PHOTO 152



PHOTO 153



PHOTO 154



PHOTO 155



PHOTO 156



PHOTO 157



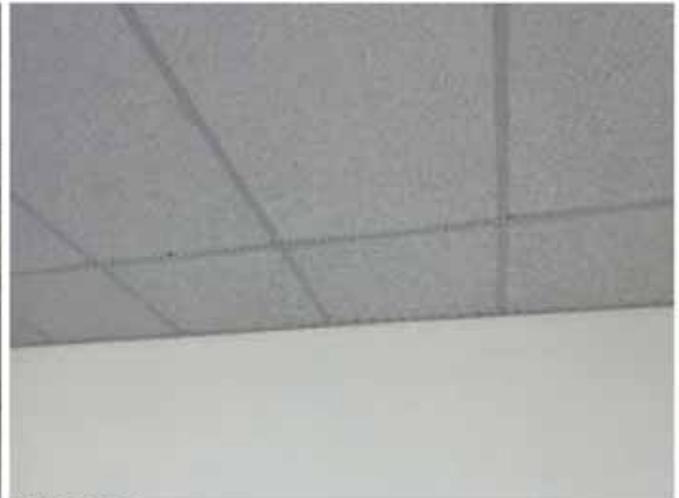
**PHOTO 158**



**PHOTO 159**



**PHOTO 160**



**PHOTO 161**



**PHOTO 162**



**PHOTO 163**



PHOTO 164



PHOTO 165



PHOTO 166



PHOTO 167

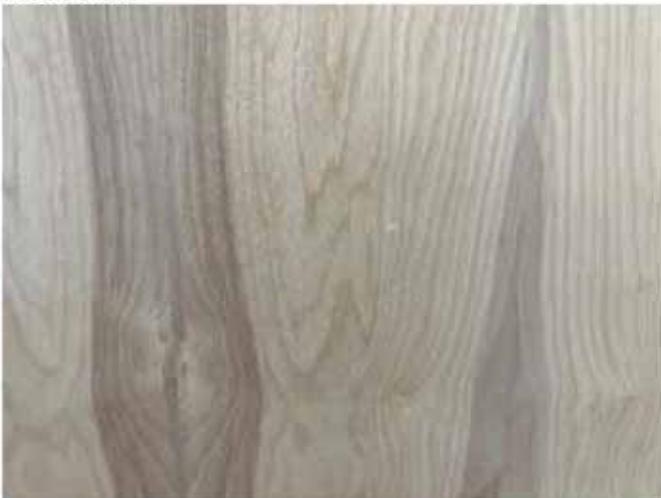


PHOTO 168



PHOTO 170



PHOTO 171



PHOTO 172



PHOTO 173



PHOTO 174



PHOTO 175



PHOTO 176



PHOTO 177



PHOTO 178



PHOTO 179



PHOTO 180



PHOTO 181



PHOTO 182

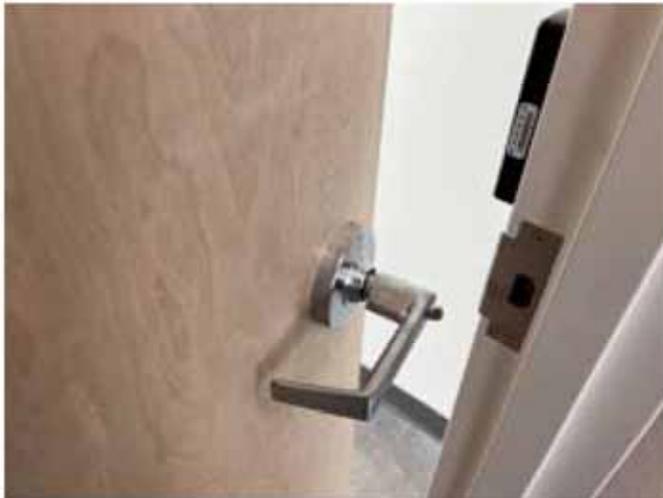


PHOTO 183



PHOTO 184



PHOTO 185



PHOTO 186



PHOTO 187



PHOTO 188



**PHOTO 189**



**PHOTO 190**



**PHOTO 191**



**PHOTO 192**

End of Punchlist Photos

# Punchlist

Coverage Scope: **1<sup>st</sup> Floor**  
Date: 03/03/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



Photo 193



Photo 194



Photo 195



Photo 196



Photo 197



Photo 198



Photo 199



Photo 200



Photo 201



Photo 202



Photo 203



Photo 204



Photo 205



Photo 206

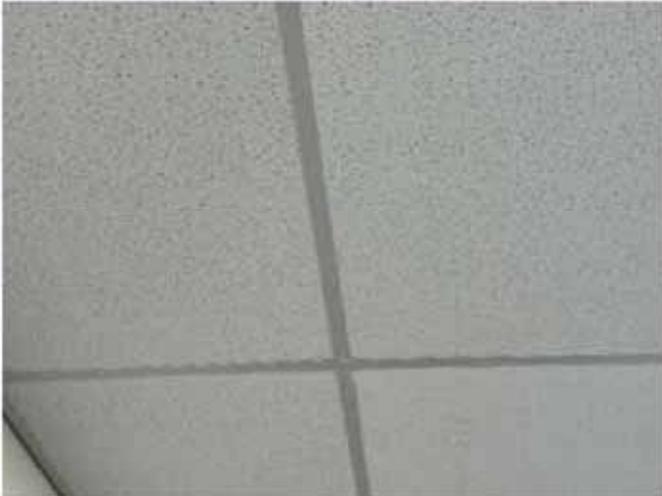


Photo 207



Photo 208



Photo 209



Photo 210



Photo 211



Photo 212



Photo 213



Photo 214



Photo 215



Photo 216



Photo 217



Photo 218



Photo 219



Photo 220



Photo 221



Photo 222



Photo 223



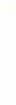
Photo 224

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to task)	TASK COMPLETED DATE	PHOTOS (after photo)
	damaged ceiling tile - multiple	E102			Refer to photo 225-228	Y	
	missing room sign	E103				Y	
	caulk door frame to wall	E105			Refer to photo 229	Y	
	remove nails from wall in small closet				Refer to photo 230	Y	
	adjust wall angle and ceiling tiles above closet				Refer to photo 231	Y	
	missing fire sprinkler				Refer to photo 232	Y	
	damaged ceiling tile - multiple				Refer to photo 233-235	Y	
	damaged ceiling grid				Refer to photos 237-238	Y	
	touch up of soffit at sprinkler head	E106			Refer to photos 243-244	Y	
	EL1018 shows two light fixtures in room					Y	
	damaged ceiling tile				Refer to photo 245	Y	
	repair damage at leading edge of soffit					Y	
	clean door	E107				Y	
	damaged ceiling tile				Refer to photo 246	Y	
	damaged ceiling grid				Refer to photo 247	Y	
	insulate water line	E112			Refer to photo 248	Y	
	map and broom holder missing				Refer to photo 249	Y	
	non-contract shelf installed				Refer to photo 250	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to task)	TASK COMPLETED DATE	PHOTOS (after photo)
	room sign missing	E113				Y	
	damaged ceiling tile - multiple				Refer to photos 251-255	Y	
	paint surface mounted conduit				Refer to photo 256	Y	
	finish electrical trim at box				Refer to photo 257	Y	
	closet door will not latch	E109			Refer to photo 258	Y	
	black mark on door				Refer to photo 259	Y	
	damage to veneer at lever set				Refer to photo 260	Y	
	damaged ceiling tile - multiple				Refer to photos 261-266	Y	
	adjust doors and drawers at millwork				Refer to photo 267	Y	
	drywall and paint touch up	E108A			Refer to photo 268-269	Y	
	replace ceiling tiles				Refer to photo 270	Y	
	damaged ceiling tiles				Refer to photo 271-272	Y	
	missing ceiling tile at IT ceiling box				Refer to photo 273	Y	
	fire sprinkler head at soffit crooked				Refer to photo 274	Y	
	door hitting frame and binding	E109A			Refer to photo 275	Y	
	damaged ceiling tile - multiple				Refer to photos 276	Y	
	lighting layout incorrect				image	Y	
	damaged ceiling tile	E109B			Refer to photo 277	Y	
	damaged ceiling tile - multiple	E109C			Refer to photo 278-281	Y	
	damaged ceiling grid	E109D			Refer to photo 282	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	room sign on floor	E108B				Y	
	paint touch up at door frame				Refer to photo 283	Y	
	missing door silencer				Refer to photo 284	Y	
	lighting control program not correct					Y	
	damaged ceiling grid				Refer to photos 285-287	Y	



PHOTO 225



PHOTO 226



PHOTO 227



PHOTO 228



PHOTO 229



PHOTO 230



PHOTO 231



PHOTO 232



PHOTO 233



PHOTO 234



PHOTO 235



PHOTO 236



PHOTO 237



PHOTO 238



PHOTO 239



PHOTO 240



PHOTO 241



PHOTO 242



PHOTO 243



PHOTO 244



PHOTO 245



PHOTO 246



PHOTO 247



PHOTO 248



PHOTO 249



PHOTO 250



PHOTO 251



PHOTO 252



PHOTO 253



PHOTO 254



PHOTO 255



PHOTO 256



PHOTO 257



PHOTO 258



PHOTO 259



PHOTO 260



PHOTO 261



PHOTO 262



PHOTO 263



PHOTO 264



PHOTO 265



PHOTO 266



PHOTO 267



PHOTO 268



PHOTO 269



PHOTO 270



PHOTO 271



PHOTO 272



PHOTO 273



PHOTO 274



PHOTO 275



PHOTO 276



PHOTO 277



PHOTO 278



PHOTO 279



PHOTO 280



PHOTO 281



PHOTO 282



**PHOTO 283**



**PHOTO 284**



**PHOTO 285**



**PHOTO 286**



**PHOTO 287**

End of Punchlist Photos

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	damaged ceiling tile - multiple	E1088 continued			Refer to photo 287	Y	
	replace open ceiling tile				Refer to photo 288-289	Y	
	missing closer cover	114A			Refer to photo 290	Y	
	removed construction trash				Refer to photo 291-292	Y	
	ductless split not functioning				Refer to photo 292	Y	
	cracked wall tile	E116			Refer to photo 293	Y	
	verify mounting height of mirror				Refer to photo 294	Y	
	adjust schluter trim				Refer to photo 295	Y	
	verify mounting height of mirror	E117			Refer to photo 296	Y	
	adjust light switch				Refer to photo 297	Y	
	adjust schluter trim				Refer to photo 298-299	Y	
	sign damaged	E118			Refer to photo 300	Y	
	scratch in door				Refer to photo 301	Y	
	scratch in small closet door				Refer to photo 302	Y	
	damage to veneer at small closet door				Refer to photo 303	Y	
	damage at ceiling tile - multiple				Refer to photos 304-306	Y	
	cable TV feed - remove to above ceiling				Refer to photo 307	Y	
	light fixture not working				Refer to photo 308	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (Insert Image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	pending PCO	E118A				Y	
	prep and paint at all doors and door frames	E119			Refer to photos 309-323	Y	
	damaged ceiling tile - multiple				Refer to photos 324-331	Y	
	damaged ceiling grid				Refer to photos 332-334	Y	
	clean up required				Refer to photos 335-337	Y	
	adjust tiles at AC soffit	E120			Refer to photos 338-339	Y	
	damaged ceiling tile - multiple				Refer to photo 340	Y	
	open electrical box				Refer to photo 341	Y	
	complete electrical trim				Refer to photo 342	Y	
	damage at marker board				Refer to photo 343	Y	
	adjust light fixture in ceiling grid	E121C			Refer to photo 344	Y	
	clean up required				Refer to photo 345	Y	
	light fixture missing in storage	E119B			Refer to photo 346	Y	
	BI-Fold Doors missing				Refer to photo 347	Y	
	damaged ceiling tile - multiple	E121B			Refer to 348-350	Y	
	adjust light fixture in ceiling grid	E121A			Refer to photo 351	Y	
	damaged ceiling tile - multiple				Refer to photo 352-353	Y	
	remove construction materials and debris	E119A			Refer to photos 354-355	Y	
	seal wall at ceiling				Refer to photos 356-357	Y	
	paint room				Refer to photo 358	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	incorrect sign installed	E119D				Y	
	cut and make safe water line				Refer to photo 359	Y	
	touch up at schluter trim to wall at entrance	E115			Refer to photo 360	Y	
	touch up schluter trim to wall				Refer to photos 361-363	Y	
	chipped wall tile				Refer to photo 364	Y	
	cracked wall tile				Refer to photo 365	Y	
							

# Punchlist

Coverage Scope: **1<sup>st</sup> Floor**  
Date: 03/03/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



PHOTO 288



PHOTO 289



PHOTO 290



PHOTO 291



PHOTO 292



PHOTO 293



PHOTO 294



PHOTO 295



PHOTO 296



PHOTO 297



PHOTO 298



PHOTO 299



PHOTO 300



PHOTO 301



PHOTO 302



PHOTO 303



PHOTO 304



PHOTO 305



**PHOTO 306**



**PHOTO 307**



**PHOTO 308**



**PHOTO 309**



PHOTO 310



PHOTO 311



PHOTO 312



PHOTO 313



PHOTO 314



PHOTO 315



PHOTO 316



PHOTO 317



PHOTO 318



PHOTO 319



PHOTO 320



PHOTO 321



PHOTO 322



PHOTO 323



PHOTO 324



PHOTO 325



PHOTO 326



PHOTO 327



PHOTO 328



PHOTO 329



PHOTO 330



PHOTO 331



Photo 332



Photo 333



Photo 334



Photo 335



Photo 336



Photo 337



Photo 338



Photo 339



Photo 340



Photo 341



Photo 342



Photo 343



Photo 344



Photo 345



Photo 346



Photo 347



Photo 348



Photo 349



Photo 350



Photo 351



Photo 352



Photo 353



Photo 354



Photo 355



Photo 356



Photo 357



Photo 358



Photo 359



Photo 360



Photo 361



**Photo 362**



**Photo 363**



**Photo 364**



**Photo 365**

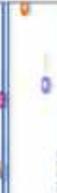
End of Punchlist Photos

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

ALL PUNCHLIST ITEMS MUST BE COMPLETED WITHIN 60 DAYS OF SUBSTANTIAL COMPLETION. THIS REPORT WILL BE SUBMITTED TO THE BOARD OF TRUSTEES.

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	door glass missing	E114			Refer to photo 366	Y	
	paint exposed conduit				Refer to photo 367	Y	
	light fixture lens missing				Refer to photo 368	Y	
	damaged ceiling tile - multiple				Refer to photos 369-371	Y	
	touch up schluter trim to wall	E110			Refer to photo 372	Y	
	install access door				Refer to photo 373	Y	
	cracked wall tile				Refer to photo 374	Y	
	missing exhaust fan cover				Refer to photo 375	Y	
							
							
							
							

# Punchlist

Coverage Scope: **1<sup>st</sup> Floor**  
Date: 03/03/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



Photo 366



Photo 367



Photo 368



Photo 369



Photo 370



Photo 371



**Photo 372**



**Photo 373**



**Photo 374**



**Photo 375**

End of Punchlist Photos

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

CONSTRUCTION PUNCHLIST		PROJECT NO: _____		SITE VISIT DATE: _____		ALL PUNCHLIST ITEMS MUST BE COMPLETED WITHIN 60 DAYS OF SUBSTANTIAL COMPLETION. THIS REPORT WILL BE SUBMITTED TO THE BOARD OF TRUSTEES.	
PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	caulk at millwork to soffit	E217			Refer to photo 001B	Y	
	door binding at strike				Refer to photo 003B	Y	
	paint touch up at closet door frame				Refer to photo 004B	Y	
	paint touch up at NW corner				Refer to photo 005B	Y	
	paint touch up at south wall below left window				Refer to photo 006B	Y	
	damaged ceiling tile - multi				Refer to photos 007B-015B	Y	
	damaged ceiling grid				Refer to photos 016B-017B	Y	
	Paint at closet door frame	E218			Refer to photo 018B	Y	
	entry door won't latch				Refer to photo 019B	Y	
	caulk at millwork to soffit				Refer to photo 020B	Y	
	prep and paint at existing closet door				Refer to photo 023B	Y	
	drywall and paint touch up at NE corner by existing closet				Refer to photo 021B	Y	
	drywall and paint touch up at NE corner at SE corner				Refer to photo 022B	Y	
	paint touch up at west wall left of lock board				Refer to photos 024B-026B	Y	
	damaged ceiling grid				Refer to photos 027B	Y	
	damaged ceiling tile - multi				Refer to photos 028B-033B	Y	
	paint touch up at door frame	E219			Refer to photos 034B-035B	Y	
	caulk at millwork to soffit				Refer to photos 036B-037B	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (Insert Image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	damaged ceiling tile - multi				Refer to photos 038B-040B	Y	
	adjust light fixtures in grid				Refer to photo 041B	Y	
	drywall and paint touch up at SE corner				Refer to photo 042B	Y	
	drywall and paint touch up at east wall				Refer to photo 043B	Y	
	millwork missing door pull				Refer to photo 044B	Y	
	paint touch up at door frame	E220			Refer to photo 045B	Y	
	missing shelves at tall cabinets				Refer to photo 046B	Y	
	adjust ceiling tile in grid				Refer to photos 047B - 048B	Y	
	lackboard trim too short				Refer to photo 049B	Y	
	paint touch up at top right corner of tack board				Refer to photo 049B	Y	
	paint touch up at door frame	E221			Refer to photo 050B	Y	
	caulk at millwork to soffit				Refer to photo 051B	Y	
	damaged ceiling tile - multi				Refer to photos 052B-054B	Y	
	adjust supply register in grid				Refer to photo 055B	Y	
	paint touch up at left side of tack board				Refer to photo 056B	Y	
	prep and paint at existing closet door	E222			Refer to photo 057B	Y	
	prep and paint at entry door frame				Refer to photos 058B-059B	Y	
	damaged ceiling tile - multi				Refer to photos 060B-062B	Y	
	lack board trim too short and loose				Refer to photo 063B	Y	
	paint touch up at east wall				Refer to photo 064B	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	caulk at window frames				Refer to photos 065B-066B	Y	
	missing closer cover	E227			Refer to photo 069B	Y	
	install base				Refer to photo 067B	Y	
	clean room				Refer to photo 068B	Y	
	caulk at hand dryer	E228			Refer to photo 070B	Y	
	prep and paint at door frame				Refer to photo 071B-072B	Y	
	touch up at schluter trim to wall				Refer to photos 073B-076B	Y	

# Punchlist

Coverage Scope: **2nd Floor**  
Date: 03/03/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



Photo 001 B



Photo 002 B



Photo 003 B



Photo 004 B



Photo 005 B



Photo 006 B



Photo 007 B



Photo 008 B



Photo 009 B



Photo 010 B



Photo 011 B



Photo 012 B



Photo 013 B



Photo 014 B



Photo 015 B



Photo 016 B



Photo 017 B



Photo 018 B



Photo 019 B



Photo 020 B



Photo 021 B



Photo 022 B



Photo 023 B



Photo 024 B



Photo 025 B



Photo 026 B



Photo 027 B



Photo 028 B



Photo 029 B



Photo 030 B



Photo 031 B



Photo 032 B



Photo 033 B



Photo 034 B



Photo 035 B



Photo 036 B



Photo 037 B



Photo 038 B



Photo 039 B



Photo 040 B



Photo 041 B



Photo 042 B



Photo 043 B



Photo 044 B



Photo 045 B



Photo 046 B



Photo 047 B



Photo 048 B



Photo 049 B



Photo 050 B



Photo 051 B



Photo 052 B



Photo 053 B



Photo 054 B



Photo 055 B



Photo 056 B



Photo 057 B



Photo 058 B



Photo 059 B



Photo 060 B



Photo 061 B



Photo 062 B



Photo 063 B



Photo 064 B



Photo 065 B



Photo 066 B



Photo 067 B



Photo 068 B



Photo 069 B



Photo 070 B



Photo 071 B



Photo 072 B



**Photo 073 B**



**Photo 074 B**



**Photo 075 B**

End of Punchlist Photos



**Photo 076 B**

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	point touch up at door frame	E223			Refer to photos 077B-078B	Y	
	missing screws at door frame sidelight				Refer to photo 079B	Y	
	damaged ceiling tile - multi					Y	
	damaged supply register					Y	
	prep and paint at door frame	E239			Refer to photo 085B	Y	
	remove sign from door prep and paint	E230			Refer to photo 088B	Y	
	chipped tile at light switch	E231			Refer to photo 090B	Y	
	touch up at schluter wall trim	E232			Refer to photo 092B	Y	
	grout at base of wall tile at SE corner				Refer to photo 093B	Y	
	touch up at wall to wall tile in corner				Refer to photo 094B	Y	
	adjust supply grill in ceiling				Refer to photo 095B	Y	
	prep and paint at door frame				Refer to photo 096B	Y	
	prep and paint at door and frame	E233			Refer to photo 097B-099B	Y	
	open electrical box				Refer to photo 100B	Y	
	tighten screws at millwork hardware				Refer to photo 102B	Y	
	adjust doors and drawers at millwork				Refer to photo 103B	Y	
	remove or relocate existing door stop				Refer to photo 104B	Y	
	remove existing door stop				Refer to photo 105B	Y	

ALL PUNCHLIST ITEMS MUST BE COMPLETED WITHIN 60 DAYS OF SUBSTANTIAL COMPLETION. THIS REPORT WILL BE SUBMITTED TO THE BOARD OF TRUSTEES.

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (Insert Image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	prep and paint at door and frame				Refer to photo 106B	Y	
	prep and paint at entry door and frame	E224			Refer to photo 107B	Y	
	damaged ceiling tile - multi				Refer to photos 108B-115B	Y	
	damaged ceiling grid				Refer to photo 116B	Y	
	adjust supply grill in ceiling				Refer to photo 117B	Y	
	adjust doors at tall cabinets				Refer to photo 118B	Y	
	cover exposed screws in upper cabinets				Refer to photo 119B	Y	
	drywall and paint touchup at north and east wall				Refer to photos 120B-121B	Y	
	install missing corner guards				Refer to photos 122B-123B	Y	
	door signage damaged	E224A			Refer to photo 124B	Y	
	install trim at door				Refer to photo 125B	Y	
	prep and paint at door frame				Refer to photo 126B	Y	
	install trim at door				Refer to photo 128B	Y	
	install electrical firm				Refer to photos 127B-129B	Y	
	prep and paint at door and frame	E225			Refer to photos 130B-132B	Y	
	remove existing door stop				Refer to photo 133B	Y	
	remove existing mini blind bracket				Refer to photo 134B	Y	
	prep and paint at window frame				Refer to photo 134B	Y	
	remove old door sign off door	E234			Refer to photo 136B	Y	
	prep and paint door and frame				Refer to photos 137B-138B	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	drywall touch up and paint behind door				Refer to photo 139B	Y	
	clean door stop				Refer to photo 140B	Y	
	drywall touch up and paint				Refer to photo 141B	Y	
	open electrical box				Refer to photo 142B	Y	
	paint hot water heater support frame				Refer to photos 143B-144B	Y	
	paint exposed conduit				Refer to photo 145B	Y	
	seal holes in drywall ceiling				Refer to photo 146B	Y	
	touch up CMU wall				Refer to photo 147B	Y	

# Punchlist

Coverage Scope: **2nd Floor**  
Date: 03/03/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



Photo 077 B



Photo 078 B



Photo 079 B



Photo 080 B



Photo 081 B



Photo 082 B



Photo 083 B



Photo 084 B



Photo 085 B



Photo 086 B



Photo 087 B



Photo 088 B



Photo 089 B



Photo 090 B



Photo 091 B



Photo 092 B



Photo 093 B



Photo 094 B



Photo 095 B



Photo 096 B



Photo 097 B



Photo 098 B



Photo 099 B

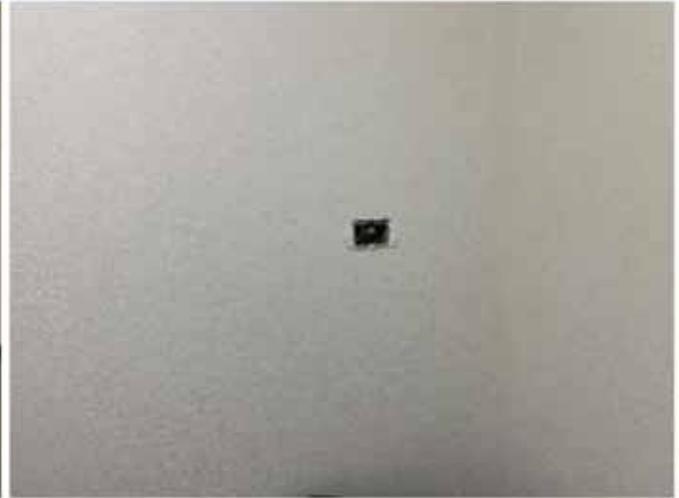


Photo 100 B



Photo 101 B



Photo 102 B



Photo 103 B



Photo 104 B



Photo 105 B



Photo 106 B



Photo 107 B



Photo 108 B



Photo 109 B

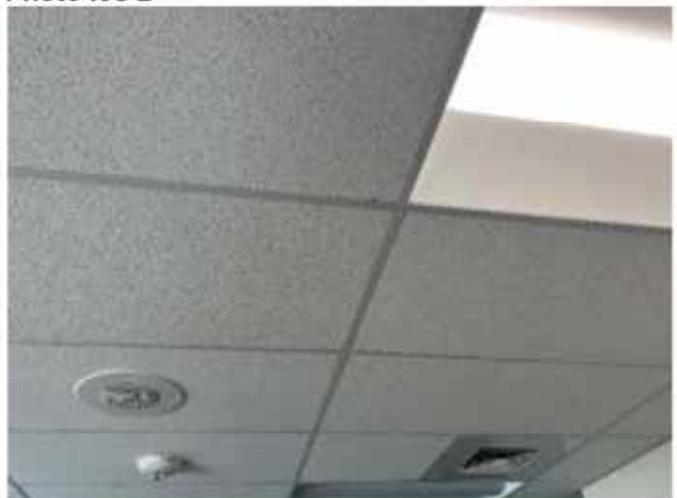


Photo 110 B



Photo 111 B



Photo 112 B



Photo 113 B



Photo 114 B



Photo 115 B



Photo 116 B



Photo 117 B



Photo 118 B



Photo 119 B



Photo 120 B



Photo 121 B



Photo 122 B



Photo 123 B



Photo 124 B



Photo 125 B



Photo 126 B



Photo 127 B



Photo 128 B



Photo 129 B



Photo 130 B



Photo 131 B



Photo 132 B



Photo 133 B



Photo 134 B



Photo 135 B



Photo 136 B



Photo 137 B



Photo 138 B



Photo 139 B



Photo 140 B



Photo 141 B



Photo 142 B



Photo 143 B



Photo 144 B



Photo 145 B



Photo 146 B



**Photo 147 B**

End of Punchlist Photos

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	drywall and paint touch up at north wall	E234 cont.			Refer to photo 148B	Y	
	prep and paint at door and frame	E235			Refer to photos 150B-151B	Y	
	remove existing phone jack and patch wall				Refer to photo 152B	Y	
	touch up at wall				Refer to photo 153B	Y	
	drywall and paint touch up				Refer to photo 154B	Y	
	adjust ceiling tiles				Refer to photo 155B	Y	
	damaged ceiling tile - multi				Refer to photo 156B	Y	
	adjust cabinet doors	E226			Refer to photo 157B	Y	
	conceal exposed screws at millwork				Refer to photo 158B	Y	
	missing shelves at millwork				Refer to photo 159B	Y	
	damaged ceiling tile - multi				Refer to photos 160B-164B	Y	
	missing screws at door light				Refer to photo 165B	Y	
	prep and paint at door frame				Refer to photo 166B	Y	
	install floor transitions				Refer to photos 167B-168B	Y	
	damaged ceiling grid	E226A			Refer to photos 169B	Y	
	damaged ceiling tile - multi				Refer to photos 170B-174B	Y	
	clean paint off carpet				Refer to photo 175B	Y	
	damaged ceiling tile - multi	E226B			Refer to photos 176B-179B	Y	

ALL PUNCHLIST ITEMS MUST BE COMPLETED WITHIN 60 DAYS OF SUBSTANTIAL COMPLETION. THIS REPORT WILL BE SUBMITTED TO THE BOARD OF TRUSTEES.

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (Insert Image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	damaged light fixture lens				Refer to photo 180B	Y	
	damaged ceiling tile - multi	E236			Refer to photos 181B-186B	Y	
	missing ceiling tile at IT ceiling box				Refer to photo 187B	Y	
	damaged grid				Refer to photos 188B-190B	Y	
	adjust floor box to sit flush with floor				Refer to photo 191B	Y	
	caulk at millwork to soffit	E237			Refer to photo 193B	Y	
	gap in filler above tall cabinets				Refer to photo 194B	Y	
	touch up a soffit above marker boards				Refer to photo 195B	Y	
	touch up at wall around lock board				Refer to photo 196B	Y	
	damage at ceiling tile - multi				Refer to photos 197B-202B	Y	
	damaged grid				Refer to photos 203B-204B	Y	
	paint touch up at door frame	E238			Refer to photo 205B	Y	
	closet door will not latch				Refer to photo 206B	Y	
	touch up wall at lock board				Refer to photos 207-208B	Y	
	caulk at millwork to soffit				Refer to photos 209-210B	Y	
	missing ceiling tile at IT ceiling box				Refer to photo 211	Y	
	damaged ceiling tile - multi				Refer to photos 212-218B	Y	
	damaged ceiling grid				Refer to photos 219-220B	Y	
	adjust light fixture in grid				Refer to photo 221B	Y	
	clean or touch up door	E239			Refer to photo 223B	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	relocate light switch from behind door				Refer to photo 224B	Y	
	missing closer cover				Refer to photos 225-226B	Y	
	finish and paint drywall at south wall				Refer to photo 227B	Y	
	patch opening in east wall				Refer to photo 228B	Y	
	patch opening in west wall				Refer to phot 229B	Y	
	paint touch up at door frame	E240			Refer to photo 230B	Y	
	clean closet door				Refer to photo 231B	Y	
	closet door does not latch				Refer to photo 232B	Y	

# Punchlist

Coverage Scope: **2nd Floor**  
Date: 03/03/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



Photo 148 B



Photo 149 B



Photo 150 B



Photo 151 B



Photo 152 B



Photo 153 B



Photo 154 B



Photo 155 B



Photo 156 B



Photo 157 B



Photo 158 B



Photo 159 B



Photo 160 B



Photo 161 B



Photo 162 B



Photo 163 B



Photo 164 B



Photo 165 B



Photo 166 B



Photo 167 B



Photo 168 B



Photo 169 B



**Photo 170 B**



**Photo 171 B**



**Photo 172 B**



**Photo 173 B**



**Photo 174 B**



**Photo 175 B**



Photo 176 B



Photo 177 B



Photo 178 B



Photo 179 B



Photo 180 B



Photo 181 B



Photo 182 B



Photo 183 B



Photo 184 B



Photo 185 B



Photo 186 B



Photo 187 B



Photo 188 B



Photo 189 B



Photo 190 B



Photo 191 B



Photo 192 B



Photo 193 B



Photo 194 B



Photo 195 B



Photo 196 B



Photo 197 B



Photo 198 B



Photo 199 B



Photo 200 B



Photo 201 B



Photo 202 B



Photo 203 B



Photo 204 B



Photo 205 B



Photo 206 B



Photo 207 B



Photo 208 B



Photo 209 B



Photo 210 B



Photo 211 B



Photo 212 B



Photo 213 B



Photo 214 B



Photo 215 B



Photo 216 B



Photo 217 B



Photo 218 B



Photo 219 B



Photo 220 B



Photo 221 B



Photo 222 B



Photo 223 B



Photo 224 B



Photo 225 B



Photo 226 B



Photo 227 B



Photo 228 B



Photo 229 B



**Photo 230 B**



**Photo 231 B**



**Photo 232 B**

End of Punchlist Photos

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	damaged ceiling tile - multi	E240 cont.			Refer to photos 233-235B	Y	
	damaged grid				Refer to photos 236-237B	Y	
	missing ceiling tile at IT ceiling box				Refer to photo 238B	Y	
	light fixture lens missing - multi				Refer to photo 239-240B	Y	
	door and door frame require adjustment	E240A			Refer to photos 241-242B	Y	
	touch up at door frame and wall above				Refer to photo 243B	Y	
	drywall and paint touch up at south wall				Refer to photo 244B	Y	
	damaged ceiling tile - multi				Refer to photo 245-250B	Y	
	damaged ceiling grid				Refer to photos 251-252B	Y	
	clean or touch up door frame	E201			Refer to photo 253-254B	Y	
	damaged ceiling tile - multi					Y	
	closet door does not latch	E202				Y	
	drywall touch up between closet and door light frame					Y	
	drywall and paint touch up at tack board				Refer to photo 255B	Y	
	drywall and paint touch up at north wall				Refer to photo 256-257B	Y	
	caulking at millwork to soffit				Refer to photo 258-259B	Y	
	adjust doors of tall cabinets				Refer to photo 260B	Y	
	caulking at millwork to soffit	E203			Refer to photos 261-263B	Y	

ALL PUNCHLIST ITEMS MUST BE COMPLETED WITHIN 60 DAYS OF SUBSTANTIAL COMPLETION. THIS REPORT WILL BE SUBMITTED TO THE BOARD OF TRUSTEES.

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	gap in solid surface top to wall				Refer to photo 264B	Y	
	damaged ceiling tile - multi				Refer to photos 265-266B	Y	
	drywall and paint touch up at the left of tack board				Refer to photo 267B	Y	
	glue at tack board surface				Refer to photo 268B	Y	
	drywall and paint touch up at NE corner by closet				Refer to photo 269B	Y	
	caulk millwork to soffit	E204			Refer to photo 270B	Y	
	caulk solid surface top to wall				Refer to photo 271B	Y	
	conceal exposed screws				Refer to photo 272B	Y	
	caulk millwork to wall				Refer to photo 273B	Y	
	paint touch up at door frame				Refer to photo 274-283B	Y	
	damaged ceiling tile - multi					Y	
	paint hot water heater frames	E209			Refer to photos 285-286B	Y	
	relocate light switch from behind door				Refer to photo 287B	Y	
	paint walls				Refer to photo 288B	Y	
	drywall and paint touch up at top of door frame				Refer to photo 289B	Y	
	paint touch up at door frame	E205			Refer to photo 290-291B	Y	
	caulk solid surface top to wall				Refer to photo 292B	Y	
	conceal exposed screws at millwork				Refer to photo 293B	Y	
	adjust roller shade to close gap at top of shade to window opening				Refer to photo 294B	Y	
	damaged ceiling tile - multi				Refer to photos 295-299B	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	damaged grid				Refer to photos 300-301B	Y	
	glue at tack board surface				Refer to photos 301-303B	Y	
	touch up at left side of tack board				Refer to photo 304B	Y	
	paint touch up at door frame	E210			Refer to photo 305B	Y	
	missing end cap at marker tray				Refer to photo 306B	Y	
	paint access door to match adjacent surfaces				Refer to photo 307B	Y	
	install correct screws at upper cabinets and conceal them				Refer to photo 308B	Y	
	install missing ceiling tiles				Refer to photo 310-311B	Y	

# Punchlist

Coverage Scope: **2nd Floor**  
Date: 03/03/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



Photo 233 B



Photo 234 B



Photo 235 B



Photo 236 B



Photo 237 B



Photo 238 B



Photo 239 B



Photo 240 B



Photo 241 B



Photo 242 B



Photo 243 B



Photo 244 B



Photo 245 B



Photo 246 B



Photo 247 B



Photo 248 B



Photo 249 B



Photo 250 B



Photo 251 B



Photo 252 B



Photo 253 B



Photo 254 B

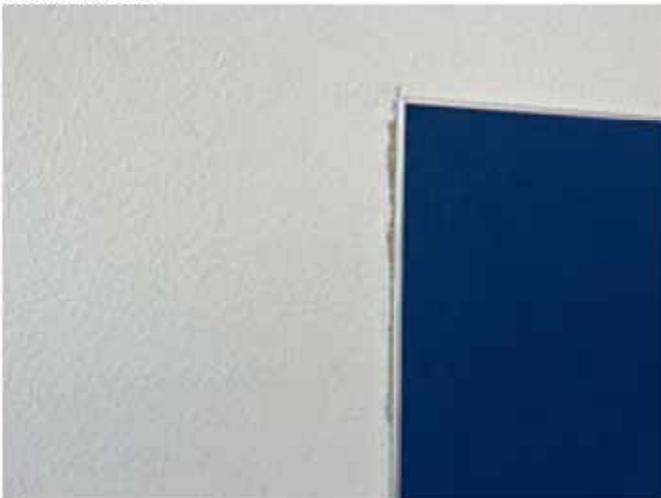


Photo 255 B



Photo 256 B



Photo 257 B



Photo 258 B



Photo 259 B



Photo 260 B



Photo 261 B



Photo 262 B



Photo 263 B



Photo 264 B



Photo 265 B



Photo 266 B



Photo 267 B



Photo 268 B



Photo 269 B



Photo 270 B



Photo 271 B



Photo 272 B



Photo 273 B



Photo 274 B



Photo 275 B



Photo 276 B



Photo 277 B



Photo 278 B



Photo 279 B



Photo 280 B



Photo 281 B



Photo 282 B



Photo 283 B



Photo 284 B



Photo 285 B



Photo 286 B



Photo 287 B



Photo 288 B



Photo 289 B



Photo 290 B



Photo 291 B



Photo 292 B



Photo 293 B



Photo 294 B



Photo 295 B



Photo 296 B



Photo 297 B



Photo 298 B



**Photo 299 B**



**Photo 300 B**



**Photo 301 B**



**Photo 302 B**



**Photo 303 B**



**Photo 304 B**



Photo 305 B



Photo 306 B



Photo 307 B



Photo 308 B



Photo 309 B



Photo 310 B



**Photo 311 B**  
End of Punchlist Photos

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	light fixture missing lens	E210 cont.			Refer to photo 312B	Y	
	damaged ceiling tiles - multi				Refer to photos 313-317B	Y	
	remove extra Z' tee's and replace with full files				Refer to photo 318B	Y	
	closet door does not latch	E206			Refer to photo 319B	Y	
	missing screw at door side light				Refer to photo 320B	Y	
	touch up at door frame				Refer to photo 321B	Y	
	conceal exposed screws at interior of millwork				Refer to photos 322-323B	Y	
	caulk millwork to soffit				Refer to photos 324-326B	Y	
	touch up at wall around tack board				Refer to photo 327B	Y	
	clean up face of tack board				Refer to photo 328B	Y	
	damaged ceiling tiles - multi				Refer to photos 331-333B	Y	
	adjust supply registers in ceiling grid				Refer to photos 334-335B	Y	
	seal at light switch	E210A			Refer to photo 337B	Y	
	seal all conduit penetrations through walls				Refer to photos 338-342B	Y	
	prep and paint door frame				Refer to photo 343B	Y	
	clean paint off door hardware				Refer to photo 344B	Y	
	lights do not work	E212			Refer to photo 346B	Y	
	missing door silencers	E213			Refer to photo 348B	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (Insert Image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	adjust/caulk schluter trim at pop out at south wall				Refer to photo 349-350B	Y	
	it appears that pop out is for hand dryer, but no hand dryer is installed?				Refer to photo 351B	Y	
	room sign damaged	E207			Refer to photo 352B	Y	
	prep and paint door frame				Refer to photo 353-355B	Y	
	conceal exposed screws at interior of millwork				Refer to photo 356B	Y	
	caulk millwork to soffit				Refer to photo 357B	Y	
	damaged ceiling tiles - multi				Refer to photos 358-362B	Y	
	touch up at door frame	E214			Refer to photo 363B	Y	
	drywall and paint touch up at south wall below windows				Refer to photo 364B	Y	
	drywall and paint touch up at north wall at left end of millwork				Refer to photo 365B	Y	
	adjust wall ange at north wall - multi				Refer to photos 366-369B	Y	
	missing ceiling tile at IT ceiling box				Refer to photo 370B	Y	
	damaged ceiling tiles - multi				Refer to photos 371-374B	Y	
	damaged ceiling grid				Refer to photo 375B	Y	
	room sign damaged	E215			Refer to photo 376B	Y	
	prep and paint door frame				Refer to photos 377-378B	Y	
	closet door will not latch				Refer to photo 379B	Y	
	paint touch up at top of tack board				Refer to photo 380B	Y	
	conceal exposed screws at interior of millwork				Refer to photo 381B	Y	
	caulk millwork to soffit				Refer to photo 382B	Y	

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	address gap in filler piece at top of tall cabinets				Refer to photo 383B	Y	
	missing shelving				Refer to photo 384B	Y	
	missing ceiling tile at IT ceiling box				Refer to photo 385B	Y	
	damaged ceiling tiles - multi				Refer to photos 386-390B	Y	
	adjust supply registers in ceiling grid				Refer to photo 391B	Y	
	entry door warped or frame out of plumb	E216			Refer to photo 392B	Y	
	paint touch up at door frame				Refer to photos 393-394B	Y	
	drywall and paint touch up at south wall below windows				Refer to photo 395B	Y	

# Punchlist

Coverage Scope: **2nd Floor**  
Date: 03/03/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



Photo 312 B



Photo 313 B



Photo 314 B



Photo 315 B



Photo 316 B



Photo 317 B



Photo 318 B



Photo 319 B



Photo 320 B



Photo 321 B



Photo 322 B



Photo 323 B



Photo 324 B



Photo 325 B



Photo 326 B



Photo 327 B



Photo 328 B

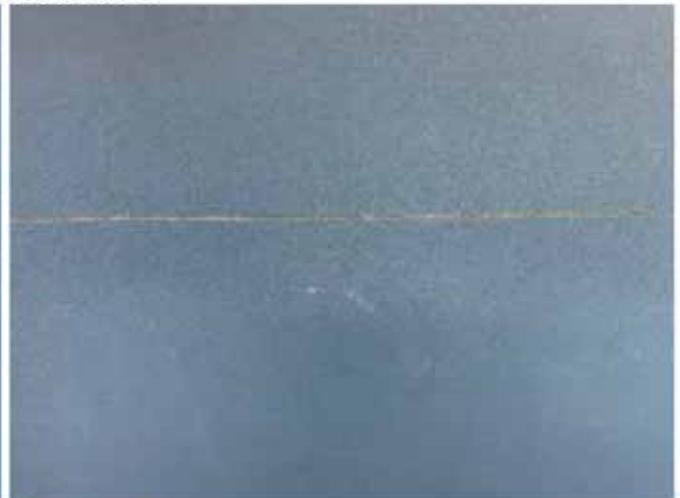


Photo 329 B



Photo 330 B



Photo 331 B



Photo 332 B



Photo 333 B



Photo 334 B



Photo 335 B



Photo 336 B



Photo 337 B



Photo 338 B



Photo 339 B



Photo 340 B



Photo 341 B



Photo 342 B



Photo 343 B



Photo 344 B



Photo 345 B



Photo 346 B



Photo 347 B



Photo 348 B



Photo 349 B



Photo 350 B



Photo 351 B



Photo 352 B



Photo 353 B



Photo 354 B



Photo 355 B



Photo 356 B



Photo 357 B



**Photo 358 B**



**Photo 359 B**



**Photo 360 B**



**Photo 361 B**



**Photo 362 B**



**Photo 363 B**



Photo 364 B



Photo 365 B



Photo 366 B



Photo 367 B



Photo 368 B



Photo 369 B



Photo 370 B



Photo 371 B



Photo 372 B



Photo 373 B



Photo 374 B



Photo 375 B



Photo 376 B



Photo 377 B



Photo 378 B



Photo 379 B



Photo 380 B



Photo 381 B



Photo 382 B



Photo 383 B



Photo 384 B



Photo 385 B



Photo 386 B



Photo 387 B



Photo 388 B



Photo 389 B



Photo 390 B



Photo 391 B



Photo 392 B

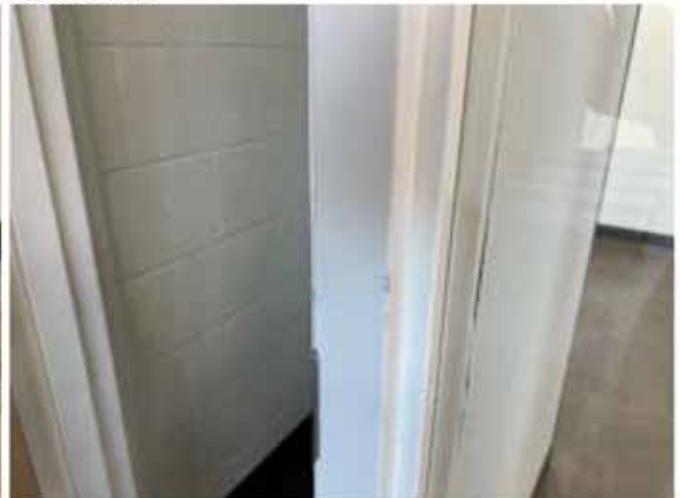


Photo 393 B



**Photo 394 B**  
End of Punchlist Photos



**Photo 395 B**

# CONSTRUCTION PUNCHLIST

PROJECT NAME: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SITE VISIT DATE: \_\_\_\_\_

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	adjust supply register in ceiling grid	E216 cont.			Refer to photo 396B	Y	
	damaged ceiling tiles - multi				Refer to photos 397-400B	Y	
	caulk millwork to soffit				Refer to photo 401B	Y	
	conceal exposed screws at interior of millwork				Refer to photo 402B	Y	
	caulk at schluter trim to wall - multi	E211			Refer to photos 404-406B	Y	
	remove construction materials				Refer to photo 407B	Y	
	chipped and cracked tile				Refer to photo 408B	Y	
	caulk at schluter trim to wall - multi	E208			Refer to photos 410-414B	Y	
	damaged ceiling tiles - multi	2nd floor commons			Refer to photos 415-428B	Y	
	damaged ceiling grid				Refer to photo 429B	Y	
	remove construction materials				Refer to photo 430B	Y	
	emergency light crooked - south end				Refer to photo 431B	Y	
	touch around supply registers at east soffit				Refer to photo 432B	Y	
	incorrect screws used at supply registers				Refer to photo 433-434B	Y	
	open ceiling at north end conflicting with electrical box				Refer to photo 435B	Y	
	remove existing hangers no longer being used and patch and paint to match adjacent surface	2nd floor corridors			Refer to photos 436-442B	Y	
	paint electrical pull box cover at east corridor				Refer to photo 443B	Y	
	install flooring and treads	stairs (all)			Refer to photo 444B	Y	

ALL PUNCHLIST ITEMS MUST BE COMPLETED WITHIN 60 DAYS OF SUBSTANTIAL COMPLETION. THIS REPORT WILL BE SUBMITTED TO THE BOARD OF TRUSTEES.

PUNCH ID	TASK DESCRIPTION	TASK AREA	RESPONSIBLE PARTY	DUE DATE (60 Days Max)	PHOTO (insert image related to Task)	TASK COMPLETED DATE	PHOTOS (after photo)
	prep and paint paint handrails - steel markings, primer, grind marks, etc showing through				Refer to photo 445B	Y	
	touch up at supply registers at east soffit	1st floor commons			Refer to photos 446-449B	Y	
	stuff hanging from wood ceiling					Y	
	damaged ceiling tiles - multi				Refer to photos 450-465B	Y	
	damaged grid				Refer to photo 465B	Y	
	remove construction materials				Refer to photo 466B	Y	
	remove existing hangers no longer being used and patch and paint to match adjacent surface	1st floor corridors			Refer to photos 468-489B	Y	
	paint electrical boxes at ceiling - multi				Refer to photos 490,492,493 and 494B	Y	
	open electrical box at north corridor adjacent to E110				Refer to photo 491B	Y	
							
							

# Punchlist

Coverage Scope: **2nd Floor**  
Date: 03/03/2023  
Project No.: 17-0416.001  
Project: **EPISD Bobby Joe Hill MS**



Photo 396 B



Photo 397 B



Photo 398 B



Photo 399 B



Photo 400 B



Photo 401 B



Photo 402 B



Photo 403 B



Photo 404 B



Photo 405 B



Photo 406 B



Photo 407 B



Photo 408 B



Photo 409 B



Photo 410 B



Photo 411 B



Photo 412 B



Photo 413 B



Photo 414 B



Photo 415 B



Photo 416 B



Photo 417 B



Photo 418 B



Photo 419 B



Photo 420 B



Photo 421 B



Photo 422 B



Photo 423 B



Photo 424 B



Photo 425 B



Photo 426 B



Photo 427 B



Photo 428 B



Photo 429 B



Photo 430 B



Photo 431 B



Photo 432 B



Photo 433 B



Photo 434 B



Photo 435 B



Photo 436 B



Photo 437 B



Photo 438 B



Photo 439 B



Photo 440 B



Photo 441 B



Photo 442 B



Photo 443 B



Photo 444 B



Photo 445 B



Photo 446 B



Photo 447 B



Photo 448 B



Photo 449 B



Photo 450 B



Photo 451 B



Photo 452 B



Photo 453 B



Photo 454 B

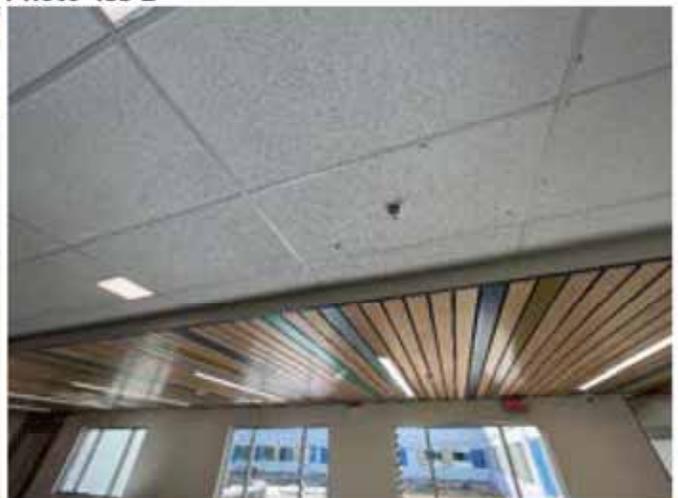


Photo 455 B



Photo 456 B



Photo 457 B



Photo 458 B



Photo 459 B

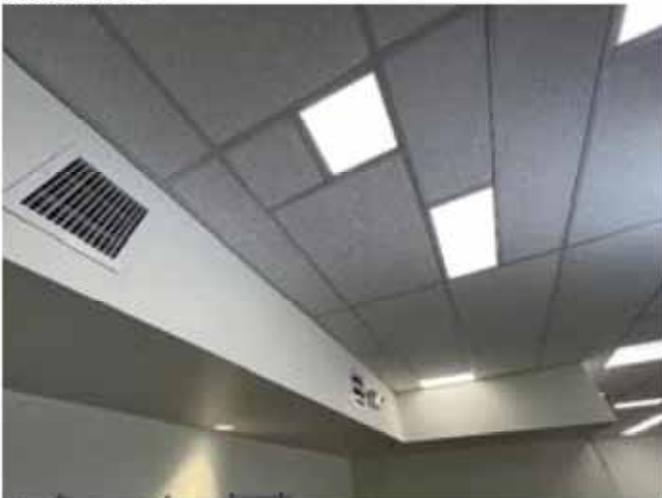


Photo 460 B



Photo 461 B



Photo 462 B



Photo 463 B



Photo 464 B



Photo 465 B



Photo 466 B



Photo 467 B



Photo 468 B



Photo 469 B



Photo 470 B



Photo 471 B

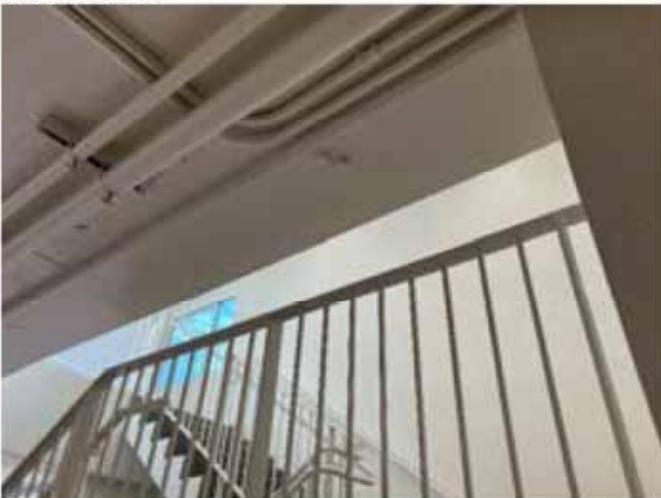


Photo 472 B



Photo 473 B



Photo 474 B



Photo 475 B



Photo 476 B



Photo 477 B



Photo 478 B



Photo 479 B



Photo 480 B



Photo 481 B



Photo 482 B



Photo 483 B



Photo 484 B



Photo 485 B



Photo 486 B



Photo 487 B



Photo 488 B



Photo 489 B



Photo 490 B



Photo 491 B



**Photo 492 B**



**Photo 493 B**



**Photo 494 B**

End of Punchlist Photos



## CONSTRUCTION OBSERVATION REPORT

OBSERVATION DATE:

DATE OF REPORT: 12-12-22

PROJECT NAME: BOBBY JOE HILL PK-8

PROJECT NUMBER: 17-174

PREPARED BY: R.H.

### Items Observed:

1. DUCTWORK ON ROOF WAS MISSING INSULATION AND / OR JACKETING.
2. GAS LINE NEEDS TO BE PAINTED YELLOW.
3. RS/RL LINES ON MINI-SPLITS SHALL BE INSULATED AND PROVIDED WITH ALUMINUM JACKETING.
4. RTU-31 HAS A BROKEN ACCESS DOOR.
5. ROOM E234 JANITOR.
  - EXHAUST FAN WAS NOT OPERATING.
6. ROOM E226 WORKROOM.
  - NO RETURN AIR WAS PROVIDED.
7. E229 RESTROOM.
  - HOSE BIBB SHALL BE LOOSE TEE KEY.
8. E228 RESTROOM.
  - DIFFERENT AERATORS ON LAVATORIES.
9. E227.
  - NO TRANSFER DUCT WAS PROVIDED.
10. E211 RESTROOM.
  - HOSE BIBB SHALL BE LOOSE TEE KEY.
11. E212 RESTROOM.
  - ONE OF THE WATER CLOSETS WAS NOT FLUSHING DURING OBSERVATION.
12. E208 RESTROOMS.
  - DIFFERENT AERATORS ON LAVATORIES.
  - HOSE BIBB SHALL BE LOOSE TEE KEY.
13. T-STAT FOR COMMONS 2<sup>ND</sup> FLOOR COULD NOT BE LOCATED. MAKE SURE A T-STAT IS PROVIDED.

Such visits and **observation** are not intended to be an exhaustive check or a detailed inspection of the Contractor's work but rather are to allow the Consultant to become generally familiar with the Work in progress and to determine, in general, if the Work is proceeding in accordance with the Contract Documents.



4600 C Montgomery Blvd. NE  
 Albuquerque, NM 87109  
 main 505.883.4111 www.bpce.com

**OBSERVATION REPORT NO. 5**

Report Date:	December 28, 2022	Project Number:	7751
To:	Ken Wooten – DPS	Project:	Bobby Joe Hill PK-8
Report By:	Miguel Grijalva – BPCE	Reason:	Electrical Punchlist (Existing Middle School; Areas A & B)
Location:	Jobsite; El Paso, TX	Date and Time:	December 21, 2022 11:00am - 3:00pm
Weather:	Sunny/Cool	Temp Range:	+/- 50

**Distribution:**

<u>Name</u>	<u>Dist Method</u>	<u>Name</u>	<u>Dist Method</u>
Ken Wooten	Email		

---

The purpose of this visit was to perform final punchlist observations of the completed electrical installations for the above referenced project, specifically, for the renovations of the existing Middle School Building (Areas A&B). Any deficiencies requiring correction/completion are listed below under "Follow-up Action Required"

**Observations:**

1. See Follow-up Actions below.

**Follow-Up Action Required:**

**Level-1:**

1. West Stairways:
  - a. Exit signage and emergency lights are currently missing from the west stairways of Area A. (this was also noted on the previous report).
2. Main TR Rm. E137A:
  - a. The grounding clamps and connection methods used for bonding/grounding connections to the building structural steel are not suitable for the wire size used. Also, the paint should be removed from the steel where the connections made to ensure conductivity.

- b. Label all receptacles, j-boxes and equipment connections/disconnects.
3. Science Lab E138;
  - a. Installations and electrical connections at island are incomplete.
  - b. One of the 2x4 light fixtures is not operating.
4. Main Electrical Rm E135:
  - a. Provide Div. 260553-3.3(S) compliant nameplates and labeling for all equipment.
  - b. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).
  - c. Label/Identify all breakers at switchboard "MSB2".
  - d. Verify proper operation of the meter and SPD installed within "MSB2". They do not currently appear to be operating.
  - e. The feeder penetrations through the exterior wall of the building into the back of the switchboard (MSB2) are not sealed. Daylight can be seen coming through the wall. Properly patch seal around the penetrations through the exterior wall.
  - f. Provide proper covers and install all fasteners/covers for the existing wireway next to switchboard "MSB2". Provide electrical warning labeling.
  - g. The clamps and methods used for bonding/grounding connections from the ground bar to the building structural steel are not suitable for the wire size used. Also, the paint should be removed from the steel where the connections are made to ensure conductivity.
5. Boys/Girls E133/134:
  - a. The light fixtures installed do not appear to be correct for the scheduled Type A5 fixture.
6. Men's/Women's E128/129:
  - a. The light fixtures installed do not appear to be correct for the scheduled Type A5 fixture.
7. Storage 127B:
  - a. No occupancy sensor installed.
  - b. Light is not flush in ceiling.
8. Janitors Closet E130:
  - a. No occupancy sensor installed.
9. BIC E127 & E132:
  - a. Exit signs have not been installed as indicated on the Contract Documents.
10. Fire Riser Rm. E126:
  - a. No access.
11. CRC/Life Skills E125:
  - a. Verify with the architect and AHJ that an exit sign at the exterior exit door is not required (none installed at this time).
12. CRC RR E125A:
  - a. The Type A5 light fixtures installed in this space are different than those in other areas.
13. Storage E125B:
  - a. Label the receptacles.
  - b. One of the light fixtures is not flush in ceiling.
14. Science Classroom E122:
  - a. One of the light fixtures has a broken lens.

15. Elevator Equip. E147:
  - a. Elevator technicians are on site performing work on the elevator. Overall status of the completion of the elevator and the associated electrical work is unclear.
16. Commons E100:
  - a. Work on the elevator and associated systems is incomplete.
  - b. The installed Type L51 light fixtures appear to have some field fabricated edge trim pieces installed. Architect to verify acceptability. (see photos).
17. North Entry/Exit Vestibule:
  - a. Several open j-boxes present.
  - b. The exterior light fixture is removed from ceiling. Open j-boxes are visible in ceiling space.
18. SRO E114:
  - a. No occupancy has been installed for control of lights.
  - b. The lens is missing from one of the light fixtures.
19. Boys E115:
  - a. One of the light fixtures in not flush to ceiling.
20. Storage E119:
  - a. An occupancy sensor is not installed for control of lights.
21. Conference Rms. E108A&B:
  - a. Lighting controls are not configured per plans.
  - b. Dimming functions do not operate.
22. Counseling Conference E120:
  - a. Cover open wall boxes.
23. Storage E119B:
  - a. Cover open j-box (FA?) above ceiling.
24. Electrical Rm. E114A:
  - a. Provide Div. 260553-3.3(S) compliant nameplates and labeling for all equipment.
  - b. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).
  - c. The clamps and methods used for bonding/grounding connections from the ground bar to the building structural steel are not suitable for the wire size used. Also, the paint should be removed from the steel where the connections are made to ensure conductivity.
25. Janitor E112:
  - a. A receptacle (GFCI) has not been installed in space as indicated on plans.
26. SS E105:
  - a. One of the light fixtures is missing a lens.

**Level-2:**

1. West Stairways:
  - a. Exit signage and emergency lights are currently missing from around both stairways (Area A; both levels).

2. Storage E230:
  - a. An occupancy sensor is not installed for control of light fixtures.
  - b. Cover open wall boxes.
3. Janitors closet E234:
  - a. Provide panel/circuit labelling for at connections to equipment.
4. Mother's Rm/ E233:
  - a. Cover open wall boxes.
5. Electrical Rm. E227:
  - a. Provide engraved plastic nameplates for all major pieces of electrical equipment per Div. 260553-3.3S. The nameplates should include the equipment name, the system voltage/configuration, and should identify the source each particular piece of equipment is fed from.
  - b. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).
  - c. Seal/Fire Caulk all floor penetrations.
  - d. The grounding clamps and connection methods used for bonding/grounding connections from the ground bar to the building structural steel are not suitable for the wire size used. Also, the paint should be removed from the steel where the connections are made to ensure conductivity.
  - e. Provide acceptance testing/Quality Control reports for electrical equipment as required per Div. 262413-3.5 & 262416-3.4 (typical for all new electrical equipment installed).
  - f. Remove tape from circuit breakers in panelboards.
  - g. Room needs to be cleaned out.
6. CTE E238:
  - a. The electrical infrastructure and connections for the factory wired computer tables are not completed. The electrical work per ASI-015 has not been done.
7. Telecom Rm. E239:
  - a. The grounding clamps and connection methods used for bonding/grounding connections to the building structural steel are not suitable for the wire size used. Also, the paint should be removed from the steel where the connections made to ensure conductivity.
  - b. Label all receptacles, j-boxes and equipment connections/disconnects.
  - c. Seal/Fire caulk all floor penetrations.
8. Active Learning Lab E240:
  - a. The lenses are missing from numerous light fixtures.
9. ALL Office E240A:
  - a. Dimming functions are not operating.
10. Classroom E218:
  - a. The lens is missing from one light fixture.
  - b. The covers are removed from several wall receptacles.
11. Staff Lounge E210:
  - a. The lens is missing from one of the light fixtures.
12. Janitor E209:
  - a. No access.

13. Girls E208:
  - a. One of the light fixtures is not flush to ceiling.
14. Men's RR E213:
  - a. The hand dryer is not installed. Open wiring is exposed in wall box.
15. Electrical Rm. E210:
  - a. Provide engraved plastic nameplates for all major pieces of electrical equipment per Div. 260553-3.3S. The nameplates should include the equipment name, the system voltage/configuration, and should identify the source each particular piece of equipment is fed from.
  - b. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B).
  - c. Seal/Fire Caulk all floor penetrations.
  - d. The grounding clamps and connection methods used for bonding/grounding connections from the ground bar to the building structural steel are not suitable for the wire size used. Also, the paint should be removed from the steel where the connections are made to ensure conductivity.
  - e. Provide acceptance testing/Quality Control reports for electrical equipment as required per Div. 262413-3.5 & 262416-3.4 (typical for all new electrical equipment installed).

**Roof:**

1. No access during this visit.
2. Verify panel/circuit labeling has been provided for all rooftop equipment power disconnects as noted on previous observation report.

**Exterior:**

1. The building Main Service Disconnect located on the west end of the building was installed facing the adjacent chain link fencing. Verify that this chain link fencing will eventually be removed or that the adequate Code required working clearance is otherwise provided. *(Noted on previous observation report)*
2. Erosion is occurring under and around the concrete pad that the Main Service Disconnect and CT enclosure is installed on. The equipment pad is being undermined and the equipment appears to be settling. Repairs and remedial action will be required. *(Noted on previous observation report)*
3. There are gaps around the base of the Service Disconnect that are open to the energized parts within. Verify that all trim parts and accessories (rodent barriers) have been installed in accordance with the approved submittals and the manufacturer's recommendations for exterior installations. *(Noted on previous observation report)*
4. Install missing fasteners for the cover on the wireway/gutter installed on the exterior building wall adjacent to the Main Service Disconnect. Properly seal the conduit penetrations between this gutter and the interior switchboard. Provide warning/voltage labelling on gutter.
5. Numerous site lighting poles are missing the pole base covers. (South parking lot and east commons areas between the Cafeteria and Library).
6. Many of the exterior building mounted light fixtures are in operation during the day. They appear to be operating in emergency/battery mode. These lights should only come on at night or during a power outage. Verify proper wiring and programming of all exterior lighting fixtures. All light

fixtures with integral emergency batteries should also be connected to an unswitched circuit for battery monitoring/charging. Coordinate on/off time schedules with the District.

7. Central Courtyard:
  - a. Exit signs have been installed over the exterior doors leading out from BIC Rms. E127 & E132. It is not clear why these have been installed at these locations and they should probably be removed since these doors cannot be opened from the outside and do not appear to be part of the egress path. Verify with the architect for final direction.
  - b. The exit sign installed over the exit door on the east side of the courtyard does not appear to be energized. Verify that this fixture is suitable for outdoor installation.
  - c. The receptacle installed at the southeast corner of the courtyard is loose/damaged.
  - d. The receptacle installed at the northeast corner of the courtyard is damaged/removed.
  - e. Some of the exterior light fixtures are in operation during the day. They appear to be operating in emergency/battery mode. These lights should only come on at night or during a power outage. Verify proper wiring and programming of all exterior lighting fixtures. All light fixtures with integral emergency batteries should also be connected to an unswitched circuit for battery monitoring/charging. Coordinate on/off time schedules with the District.

#### General/Overall:

1. In general, the lighting control functions (especially for classrooms) are not set-up in compliance with the lighting plans and Sequence of Operations. Control functions are inconsistent from room to room and the multi-button switches are not labeled to identify the functions of the individual buttons. The currently installed set-up does not provide the functionality called out on the CD's. Complete the manufacturer supported start-up and programming for all lighting control systems in compliance with the design intent called on the CD's. Provide documentation of start-up services and Owner training with the project closeout documents (O&M's)
2. It does not appear that any of the lighting control "over-ride" switches for manual control of lights in corridors and common areas have been installed as required per the CD's.
3. Provide electrical labeling for all receptacles throughout the project, including in floor boxes, roof and exterior locations. Line voltage switches shall also be labeled.
4. Provide panel/circuit and voltage labels for all equipment switches, disconnects, starters, and VFD's. Labeling is lacking throughout.
5. Provide engraved plastic nameplates for all major pieces of electrical equipment per Div. 260553-3.3S. The nameplates should include the equipment name, the system voltage/configuration, and should identify the source each particular piece of equipment is fed from. The currently installed nameplates, where provided, do not conform to the specified requirements.
6. Provide Arc-Flash Hazard Analysis labels for all applicable electrical equipment according to the results of the Coordination and Arc-Flash Hazard Studies per Div. 260573-3.5(A&B). These labels are currently missing from all installed electrical equipment.
7. We show no record of having received a submittal for the above-mentioned Studies. Submit completed Studies with an engineer's stamp as required per Div. 260573 and 260574 and verify that all applicable circuit breakers have been properly adjusted according to the values suggested in the Coordination Study.
8. Provide accurate, "as-built", panel schedules for all panelboards.

9. Provide Acceptance Testing/Quality Control reports for electrical equipment as required per Div. 262413-3.5 & 262416-3.4.
10. Verify completion of the installations, wiring, programming and acceptance testing of the FA System. Provide documentation of completion and AHJ acceptance to be included with the project closeout documents (O&M's). Ensure the dust covers for all smoke detectors are removed after final acceptance of the system has been completed.
11. Provide documentation showing the satisfactory testing and operation of all Emergency Lighting units per Div. 265119-3.5(A). Include testing reports with the project closeout documents (O&M's).
12. Cover all open j-boxes. There are numerous scattered throughout the project.
13. None of the installed wall receptacles appear to be the Tamper Resistant type as required. The contractor shall install Tamper Resistant type receptacles as required to comply with Code and the Contract Documents.
14. Electrical Rooms need to be cleaned of trash and constructions materials.
15. See also the attached photos. Some photos may contain items not listed above/below.

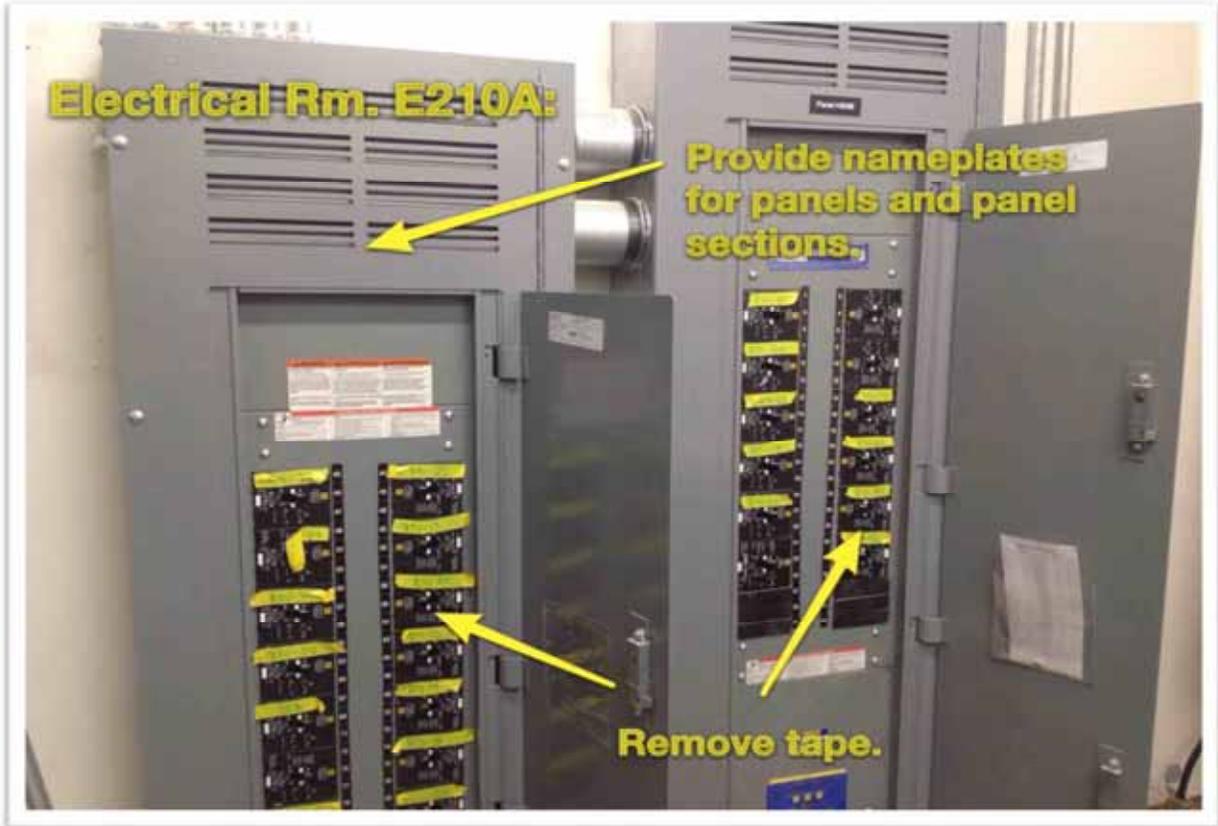
**Photos:** See following pages

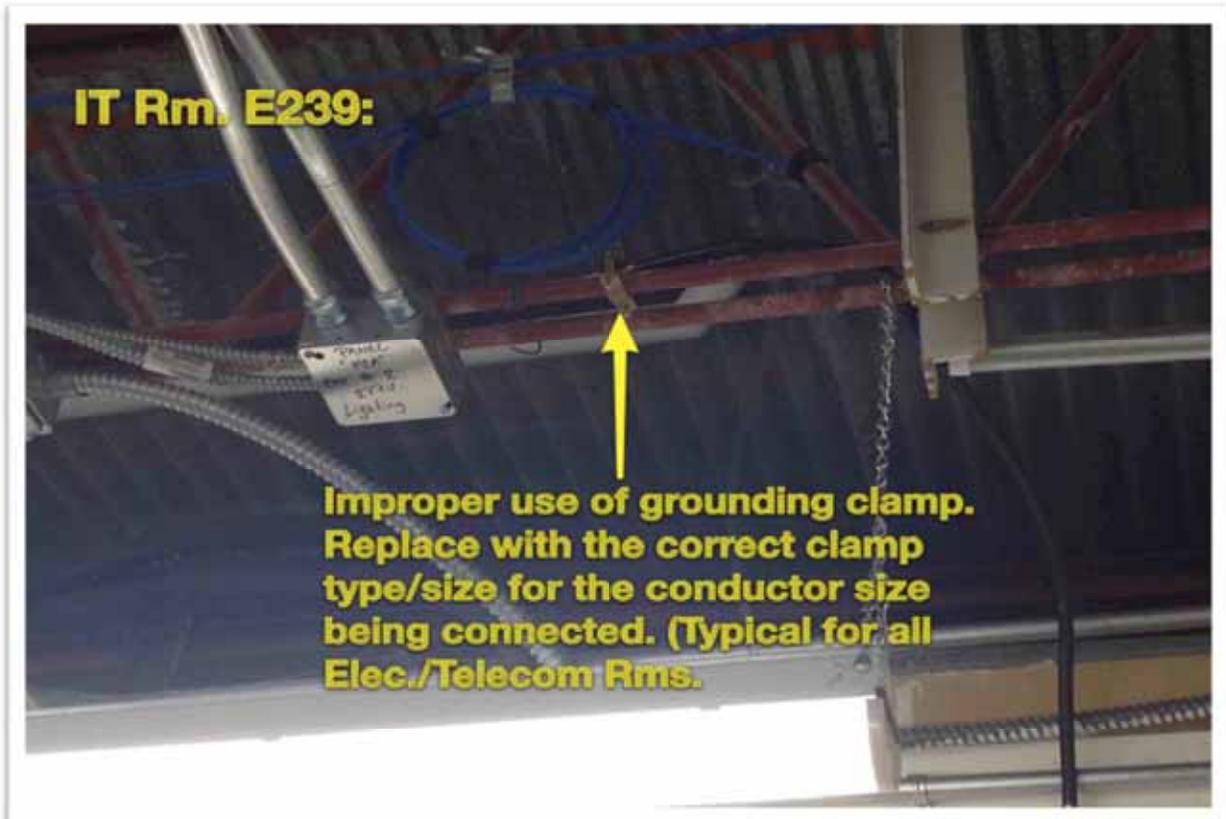


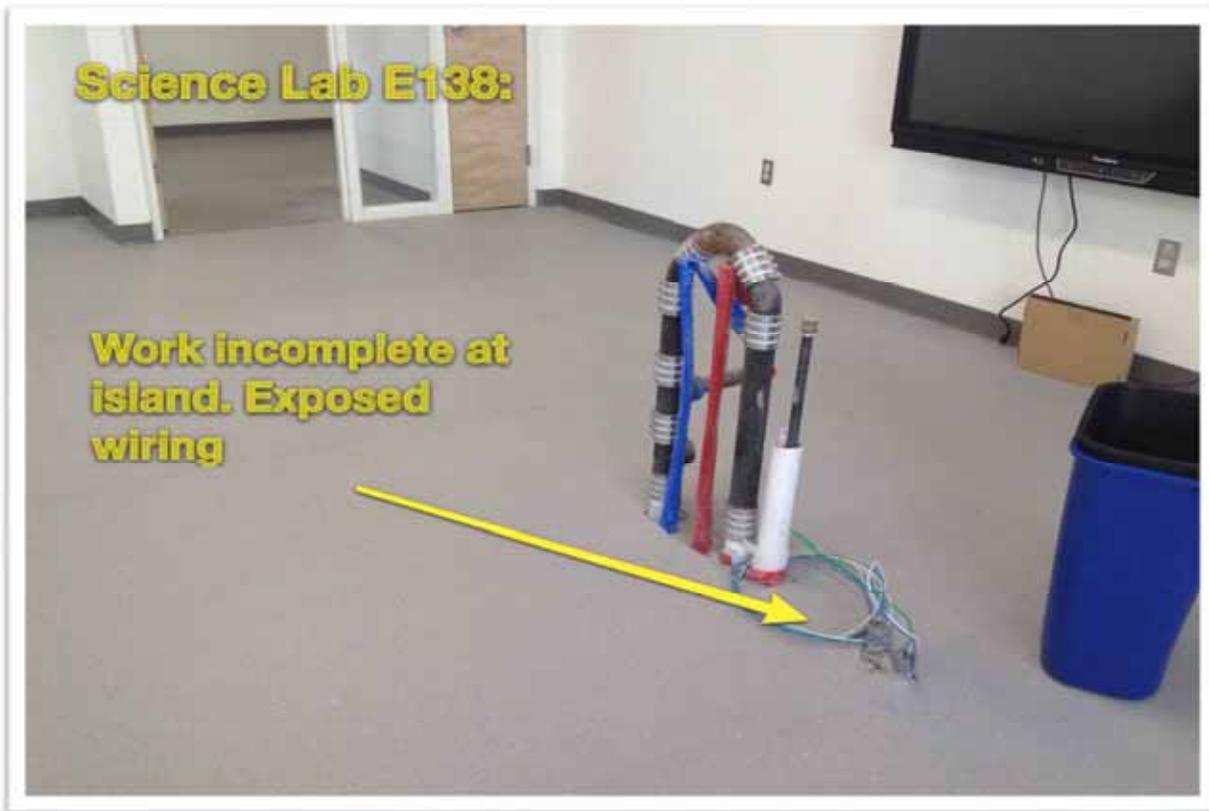
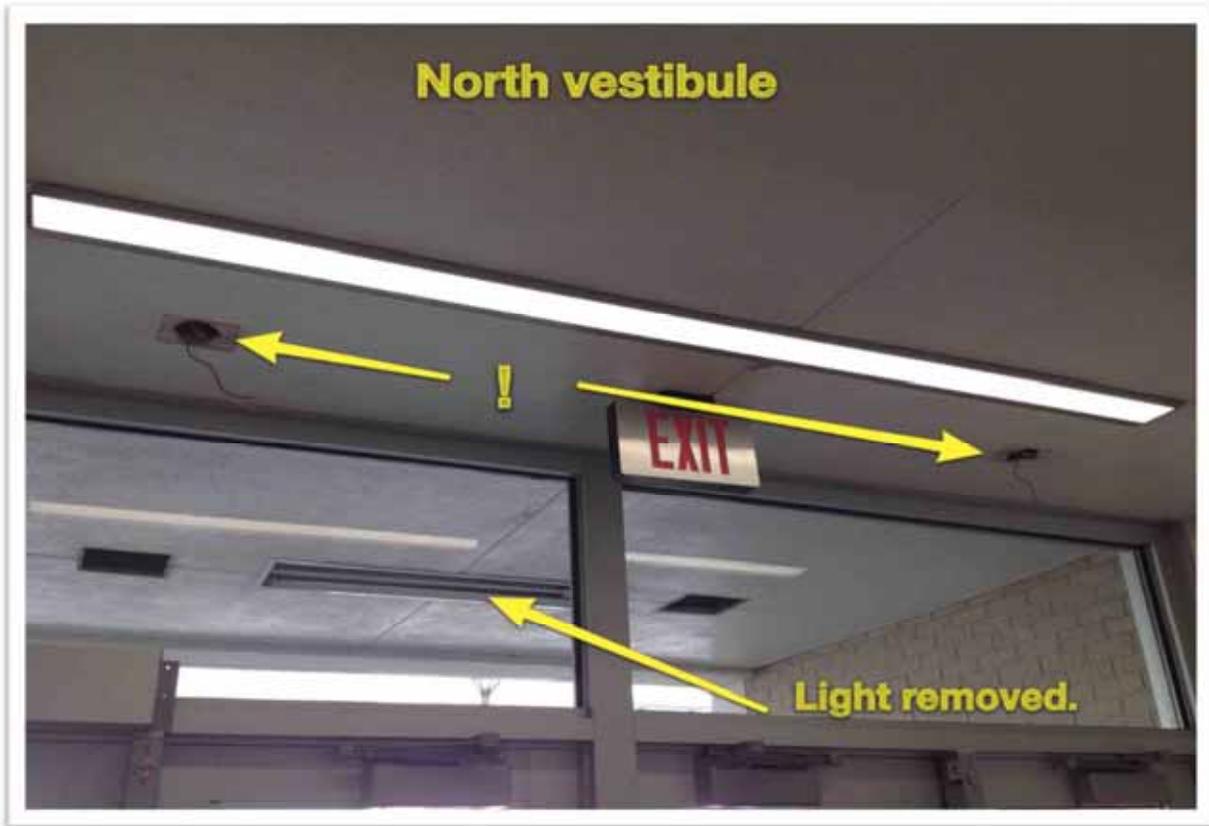


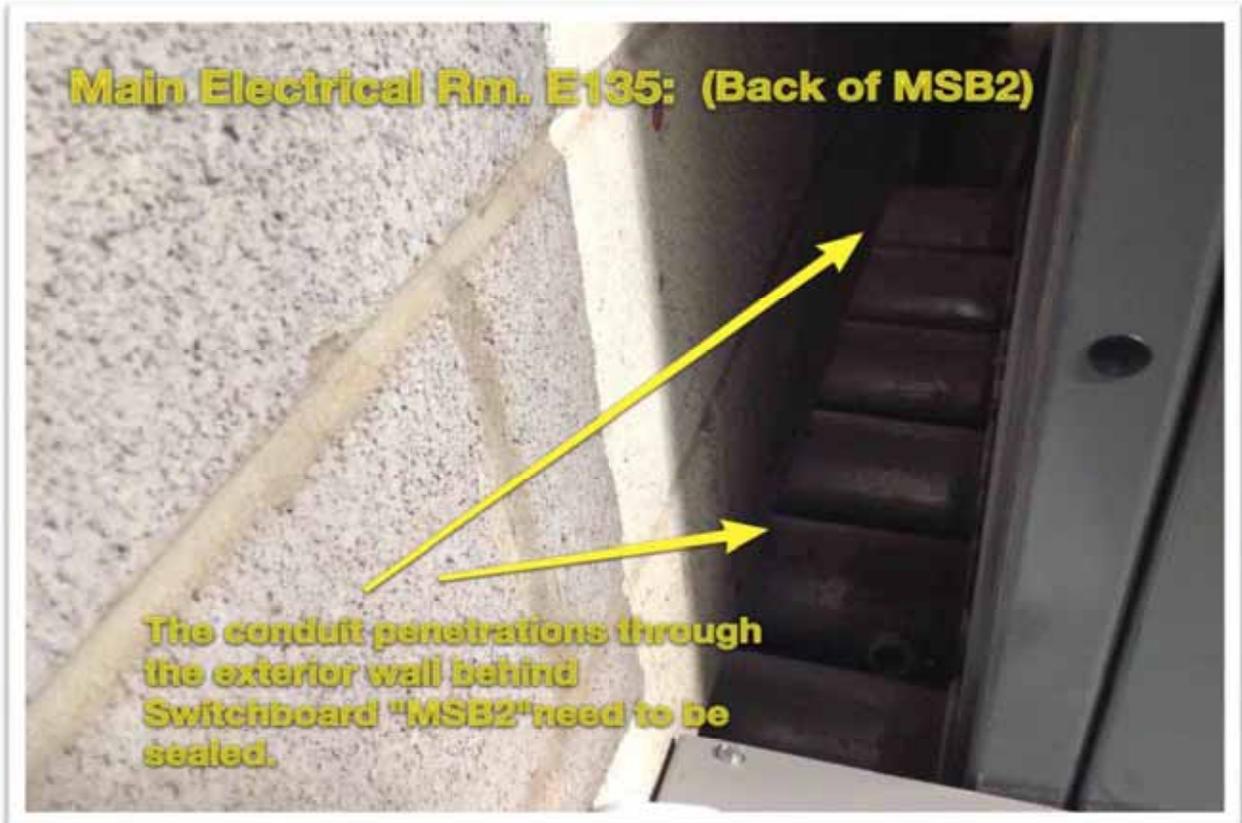




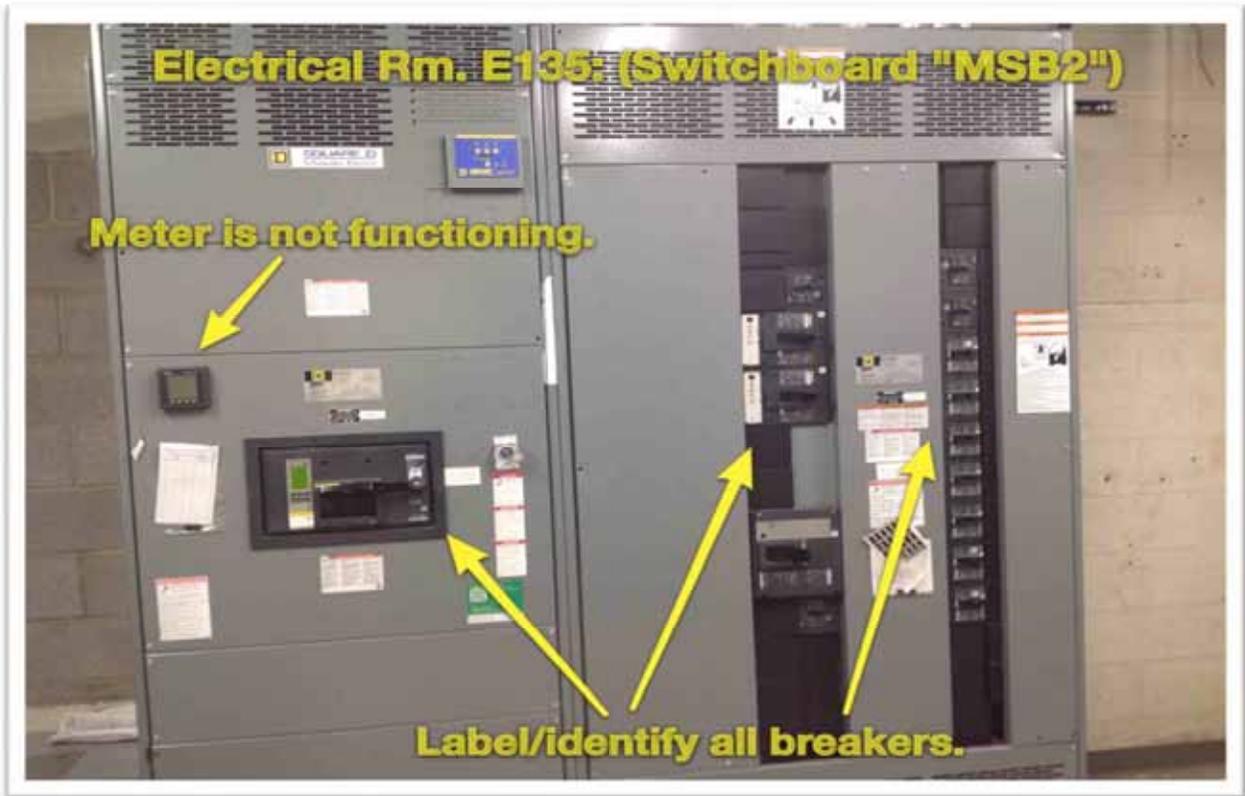


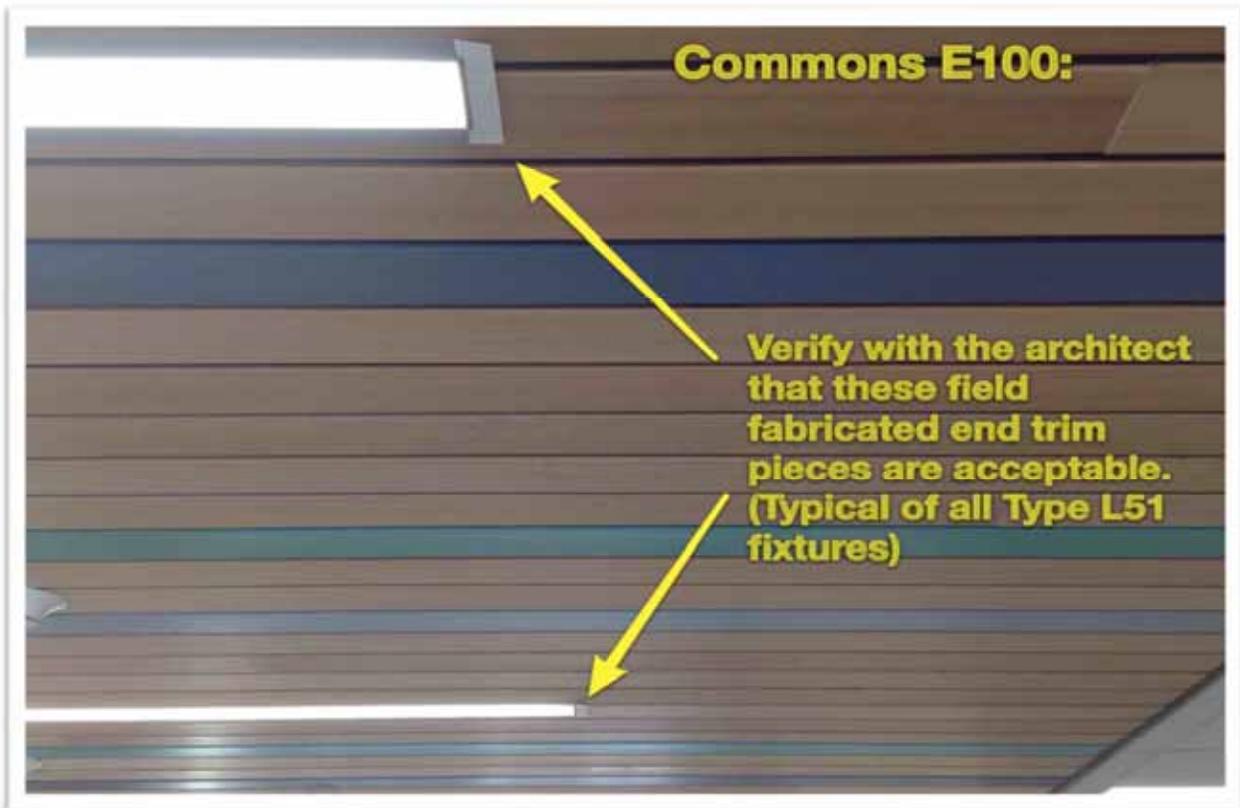
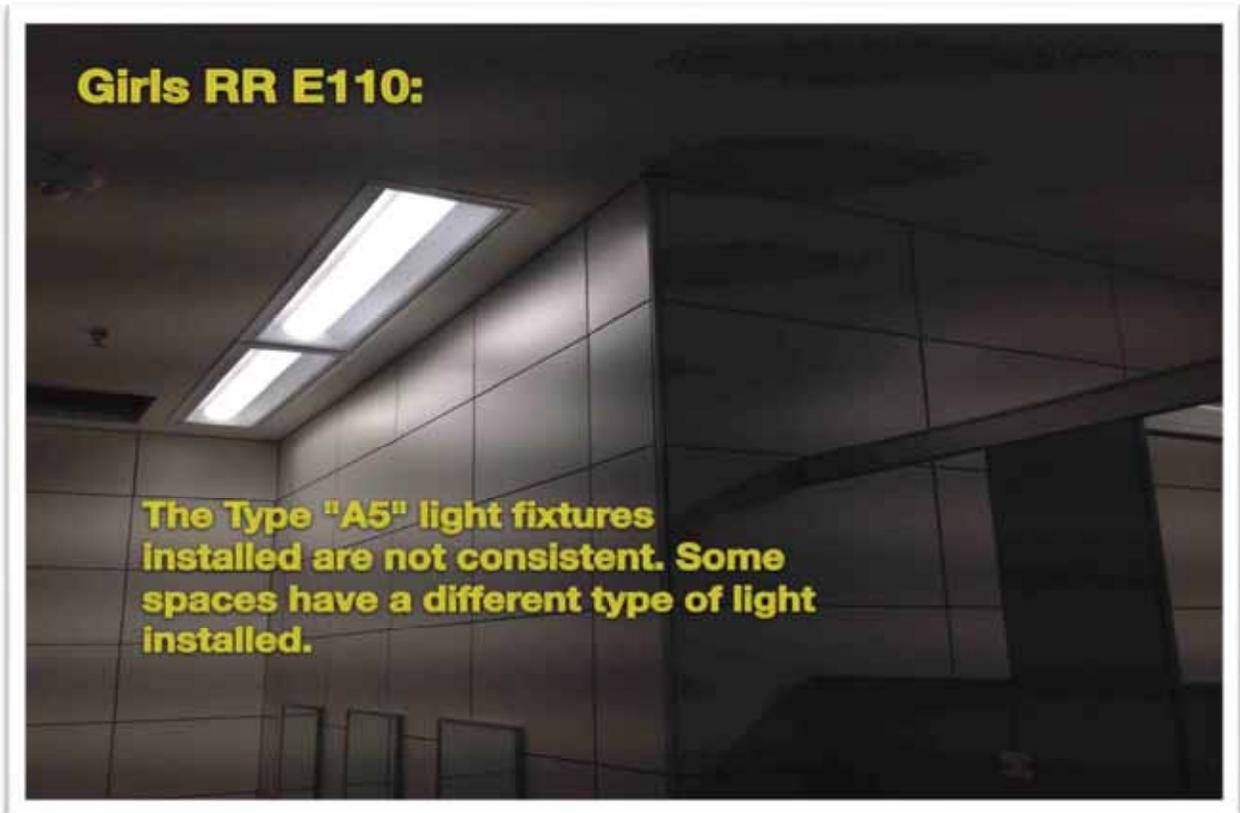


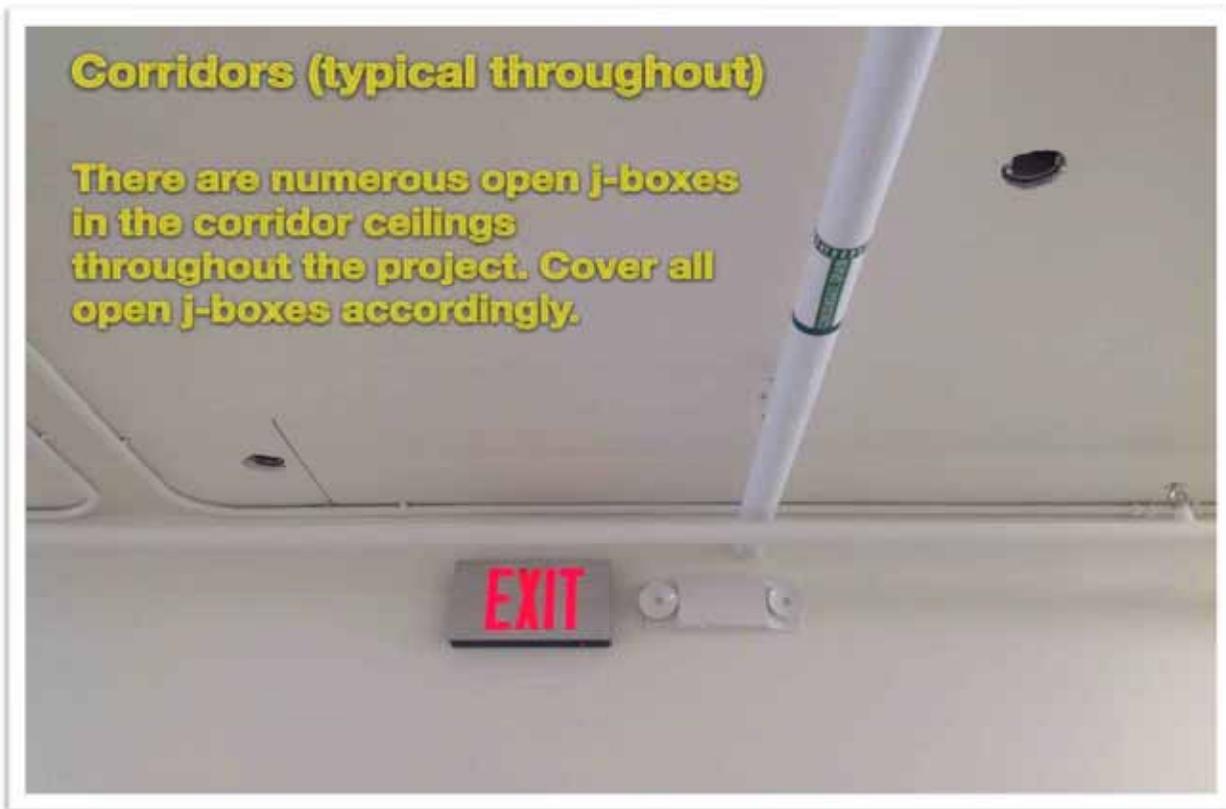
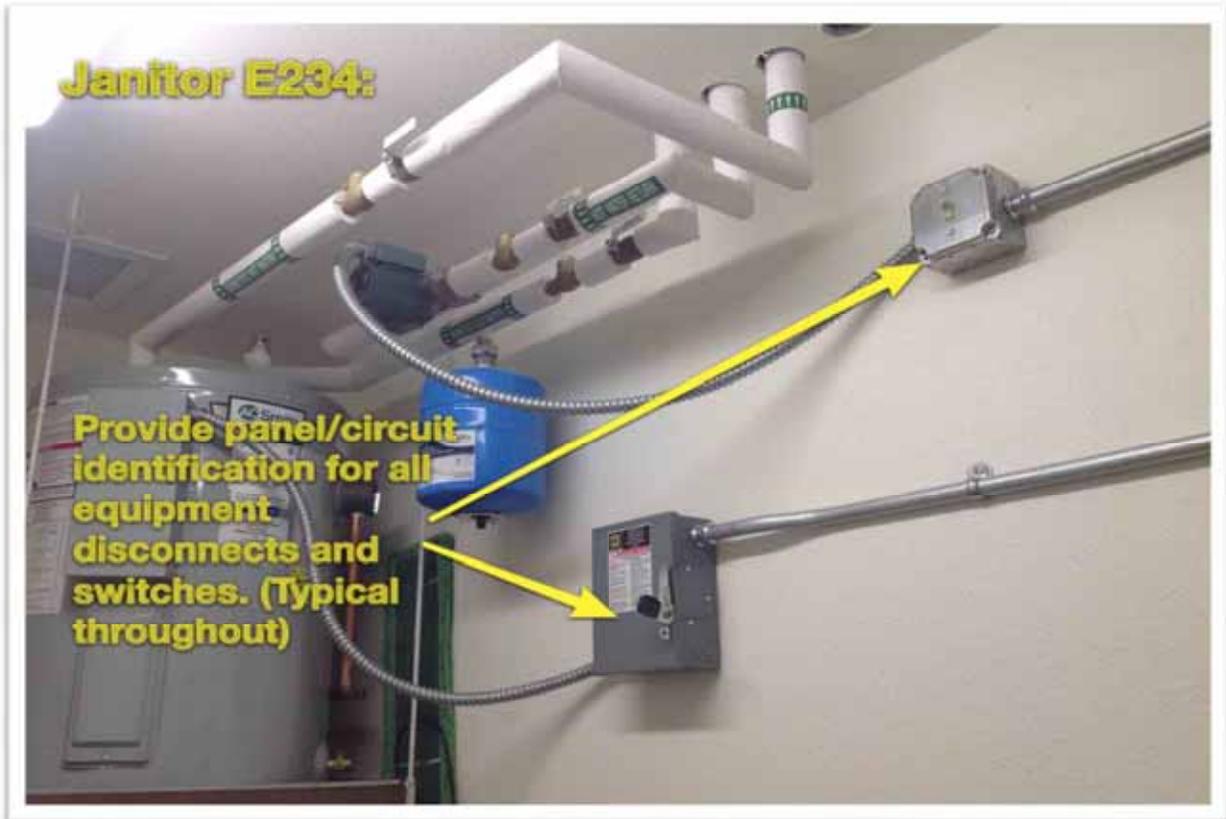






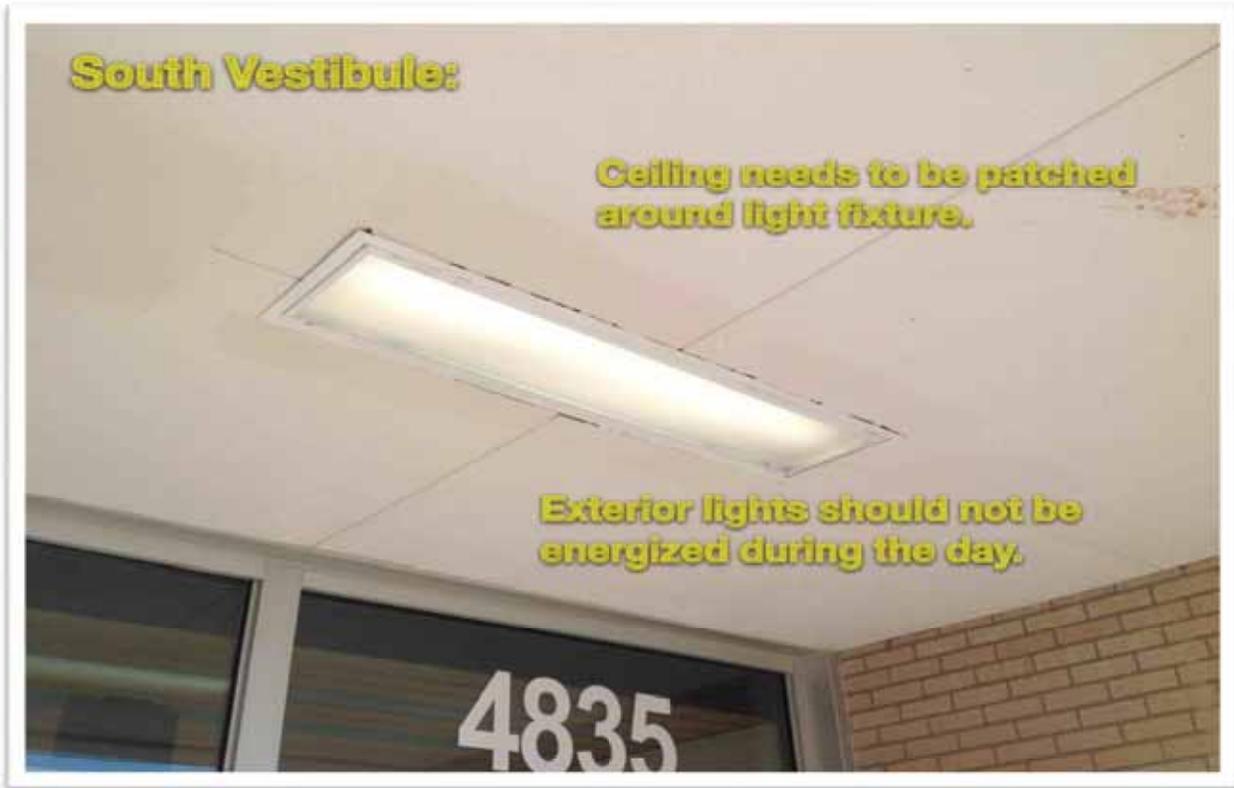


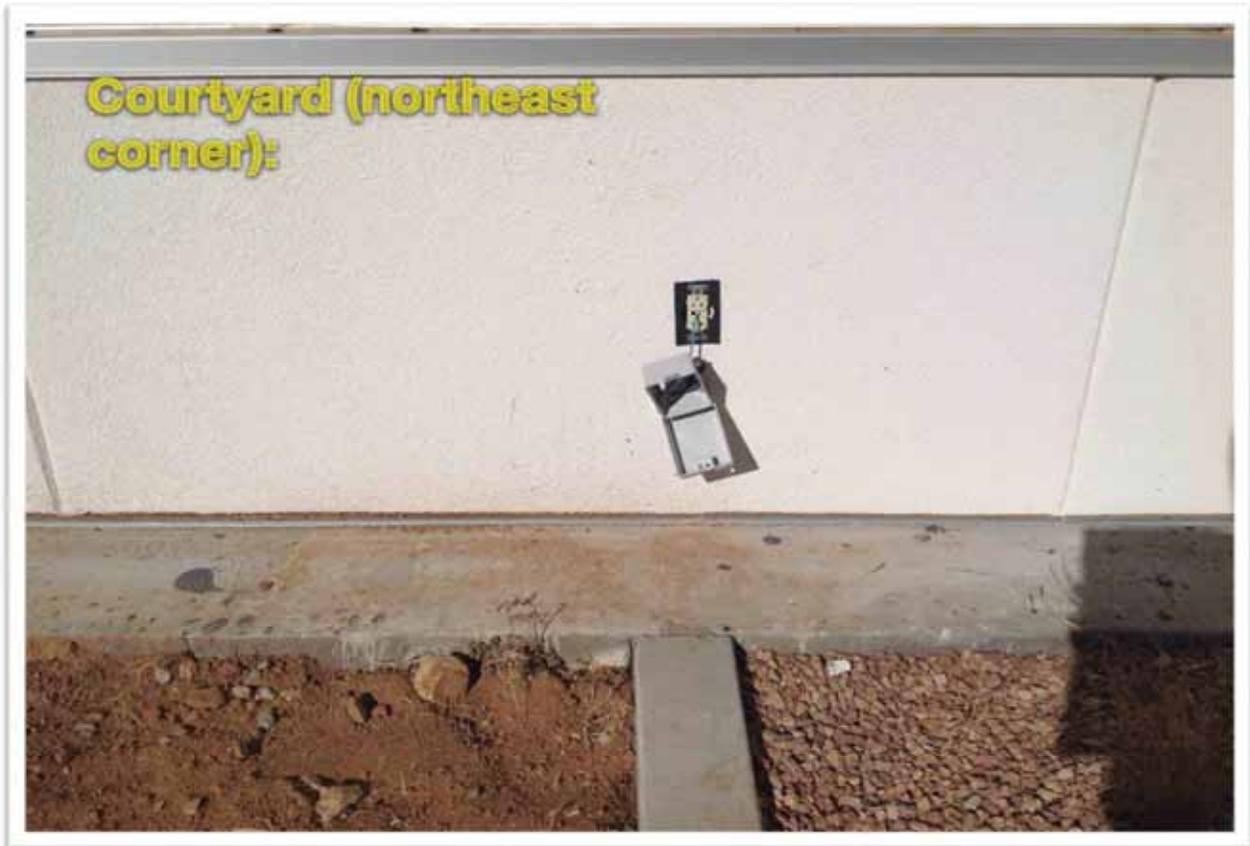


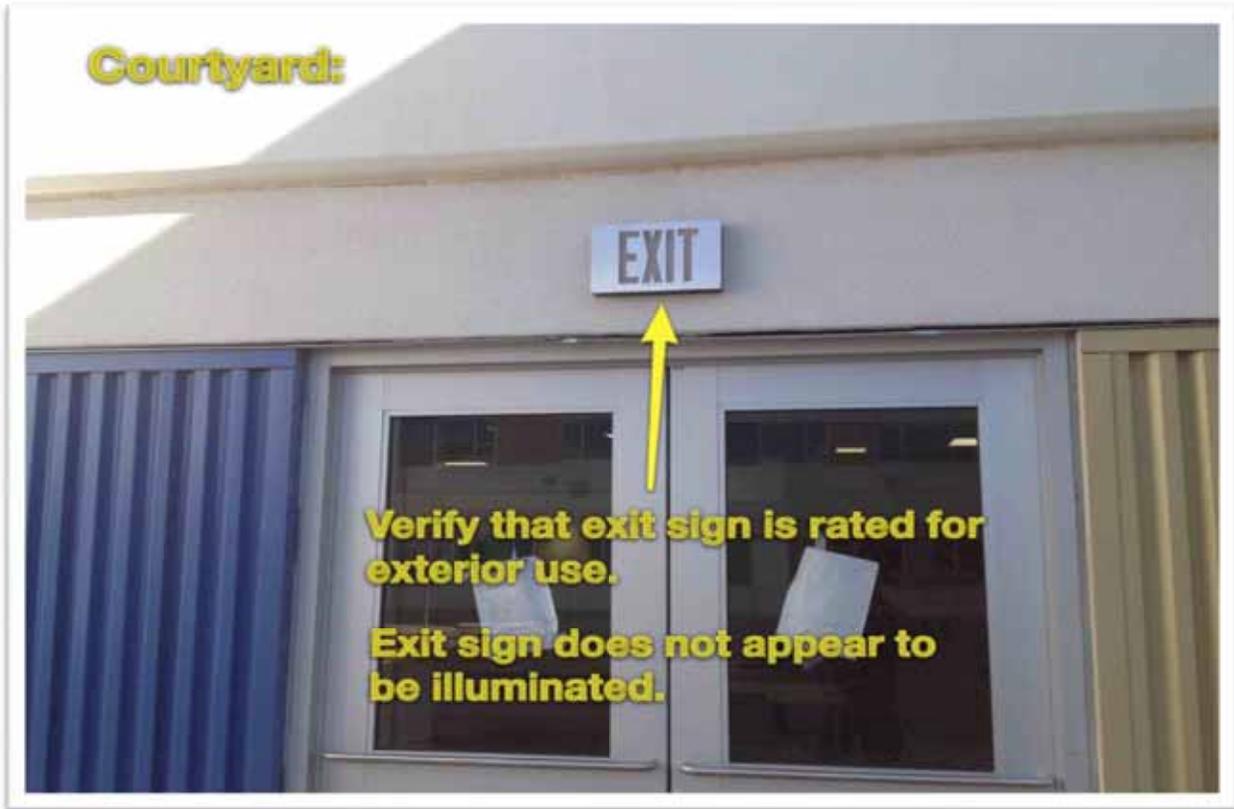












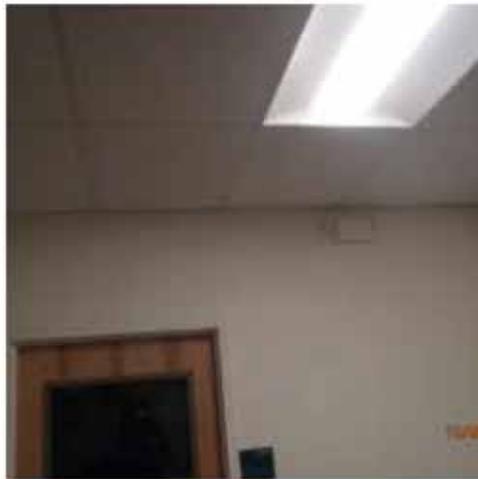
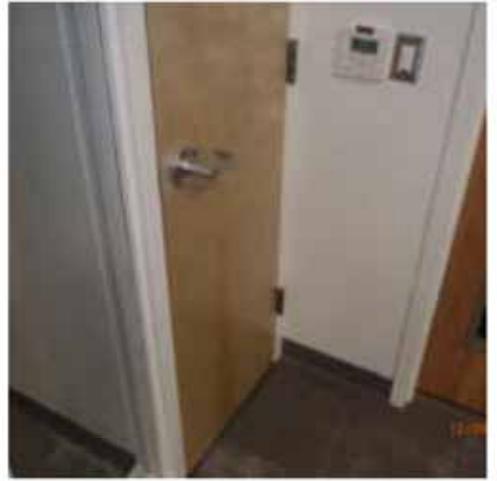




End of Report



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



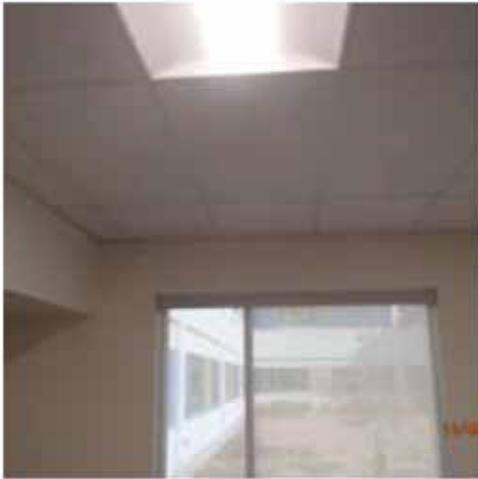
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



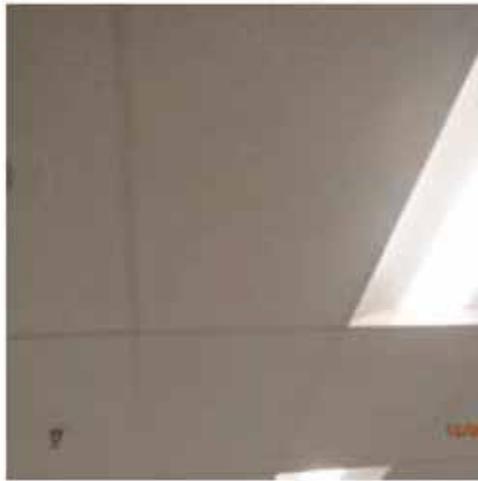
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



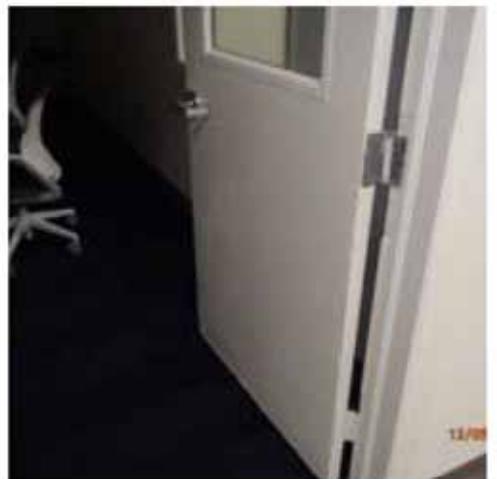
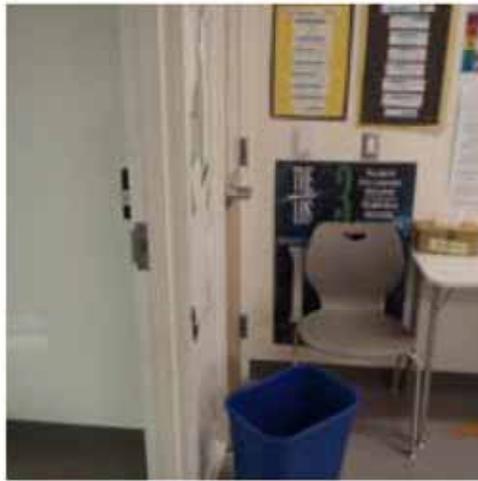
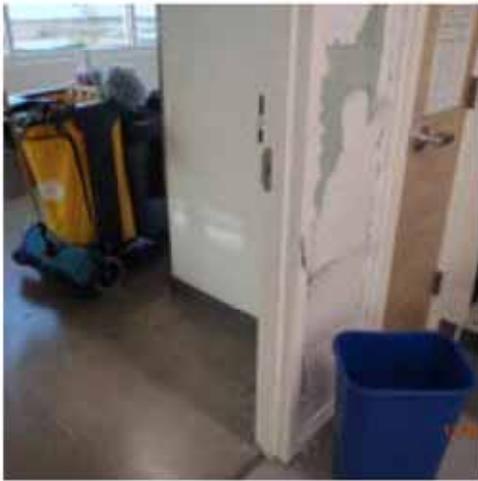
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



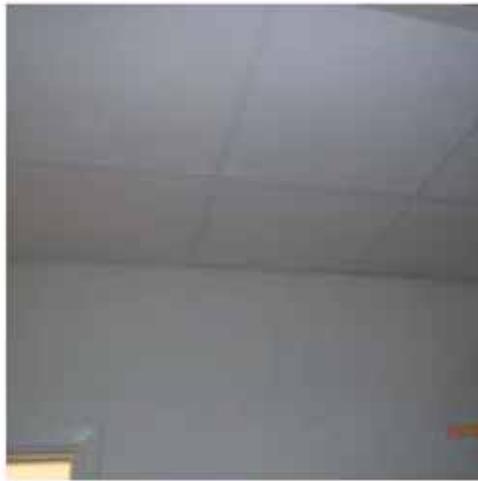
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



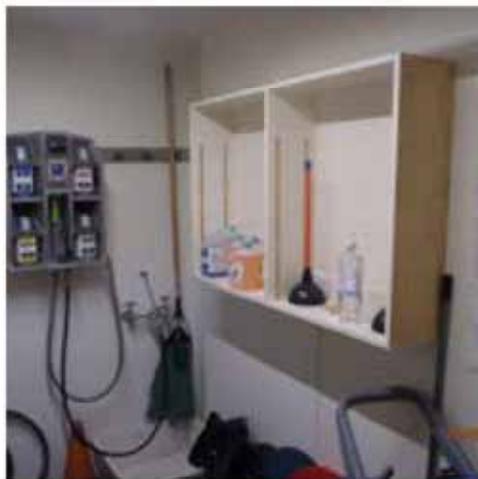
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



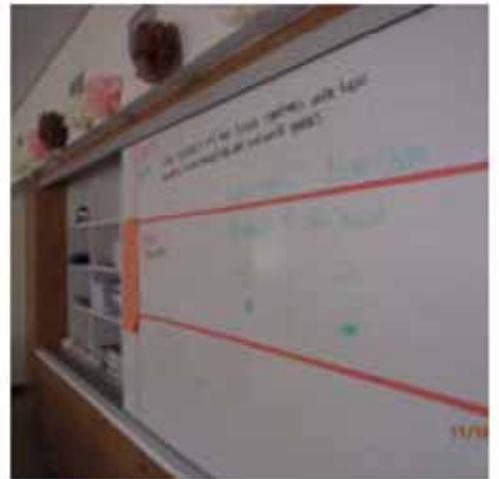
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



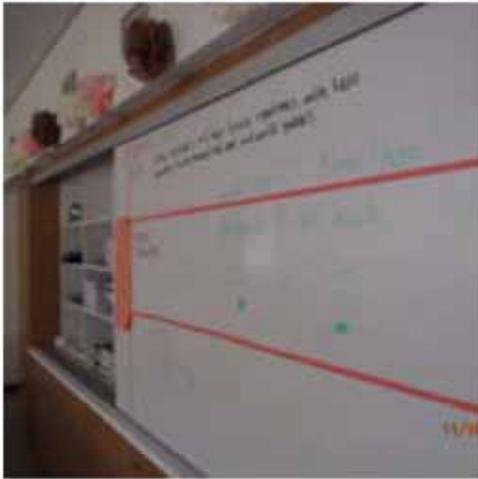
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



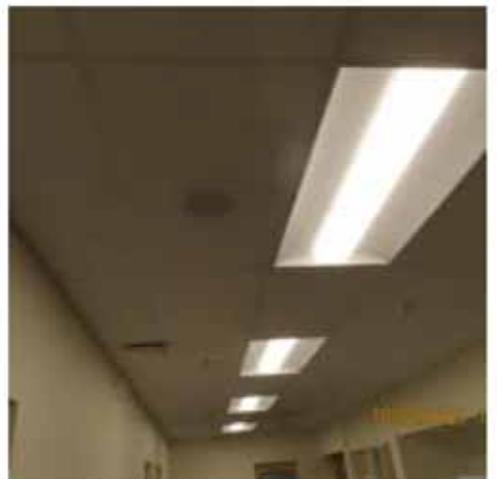
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



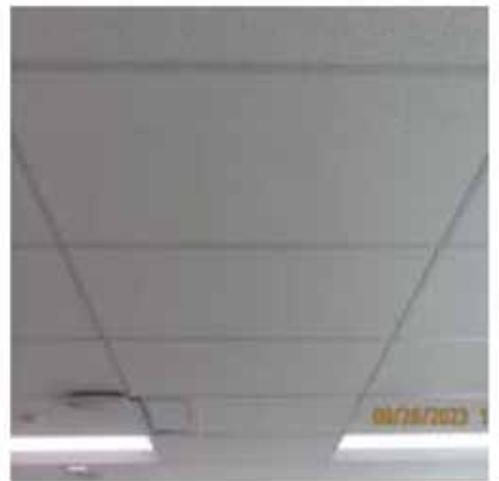
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



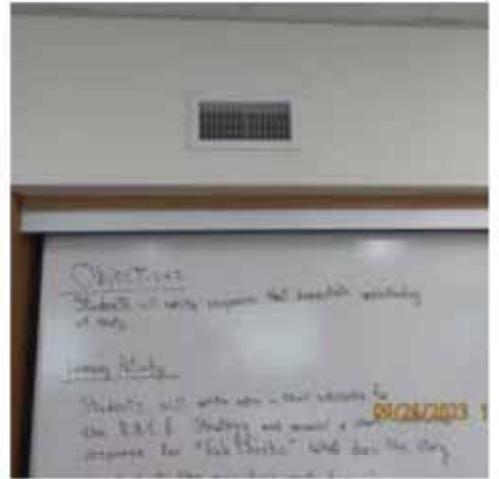
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



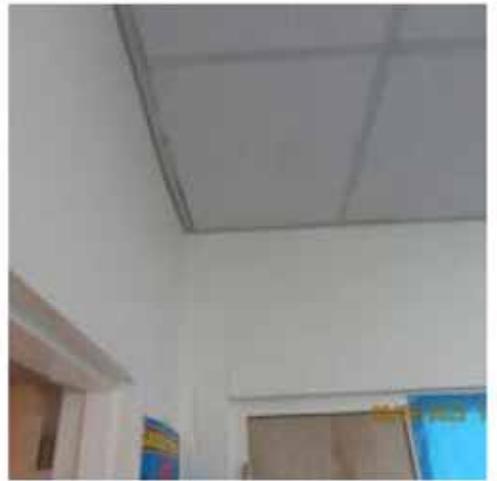
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



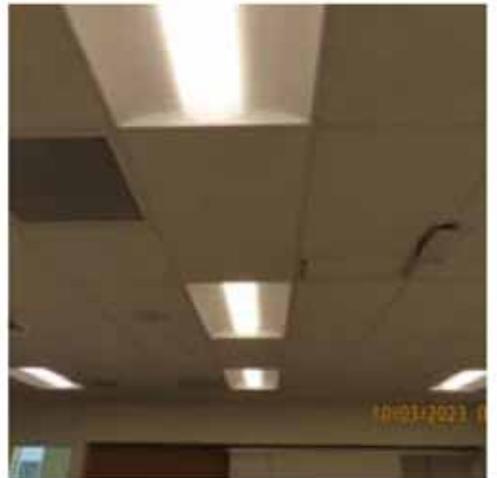
Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 1st Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



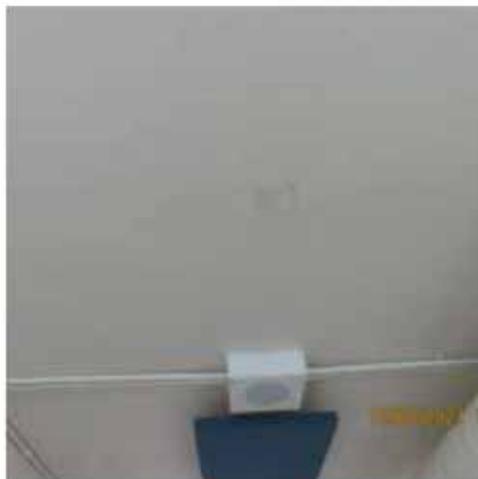
Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



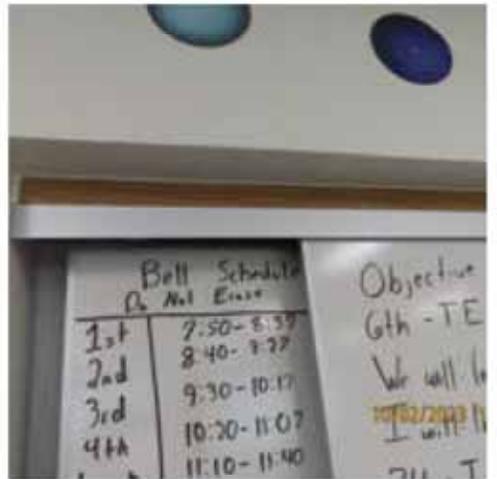
Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



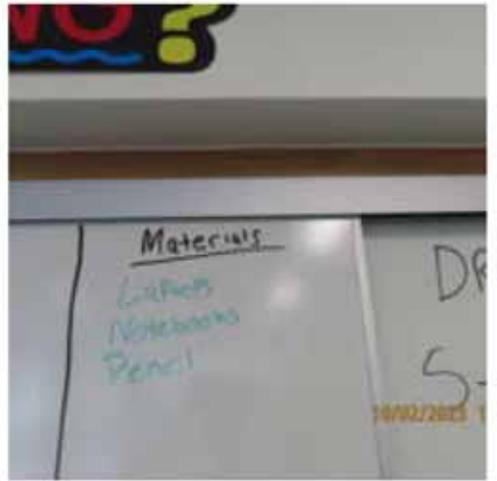
Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



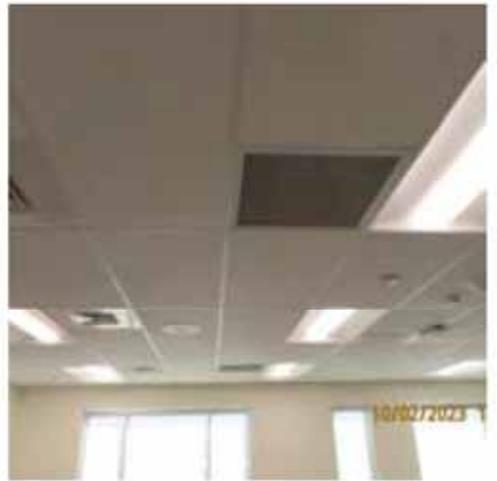
Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



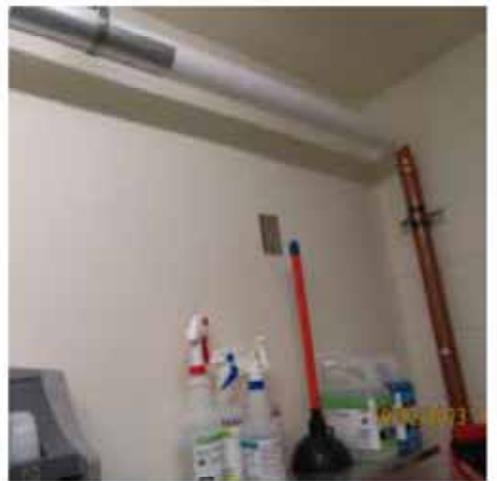
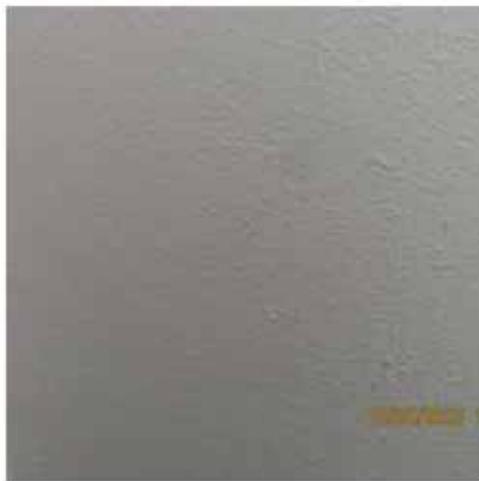
Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.



Pictures for 2nd Floor back check performed on October 17, 2023 approved by Oscar Jaloma & DPS Architects.

## Field Observation Report

### Bobby Joe Hill Elementary

4835 Blossom Ave

El Paso, TX 79924 (US)

Report number: 17-0078.001-2

Date: January 23, 2024 08:59 AM

## Status

Irrigation SC Punch

overcast clouds, 46 degrees, wind speed: 3.0 m/h

## Site Overview



## General Notes:

1. ALL EMITTER ON PROJECT TO BE EXPOSED CHECKED FOR FUNCTION BEFORE IRRIGATION IS BACK CHECKED.
2. VALVE BOXES SHOULD BE CASRON/ OLDCASTLE OR APPIED ENGINEERING. ANY OTHER VALVE BOXES ON SITE ARE NOT APPROVED, UNLESS OTHERWISE APPROVED BEFORE INSTALLATION.
3. ALL BROKEN OR DAMAGED VALVE BOXES TO BE REPAIRED / REPLACED AND INSTALLED TO THE CORRECT HEIGHT.
4. ALL VALVE BOXES TO HAVE TRASH AND DEBRIS REMOVED.
5. ALL VALVE BOXES TO HAVE EXCESS DIRT OR GRAVEL REMOVED FROM VALVE BOX.
6. LEAKS FROM DISLOGED 1/4" DRIP HOSES TO BE REPAIRS AND NOTED.
7. PLAN ASSOCIATED TO THIS PUNCH IS THE LI100AA NOT THE ATTACHED LI100. LOCATION FOR ALL ISSUES IS CORRECT.

# Observations

Observation	Description
Landscape / Irrigation	
<p><b>✘ Over spray [2.1]</b>            January 23, 2024            Irrigation</p>	<p>Over spray on irrigation spray heads (adjust spray window)            January 23, 2024 10:21 PM</p> <p>IRRIGATION SPRAY TO BE ADJUSTED FOR THE SPACE THAT IS BEING IRRIGATED. OVER SPRAY IS HITTING CONCRETE AND CREATING FUGITIVE WATER.            January 29, 2024 01:04 PM</p>
<p>040_LI100.pdf</p>	

**✘ Irrigation valve box [2.2]**

January 23, 2024  
Irrigation

Sand from pavers is penetrating valve box.

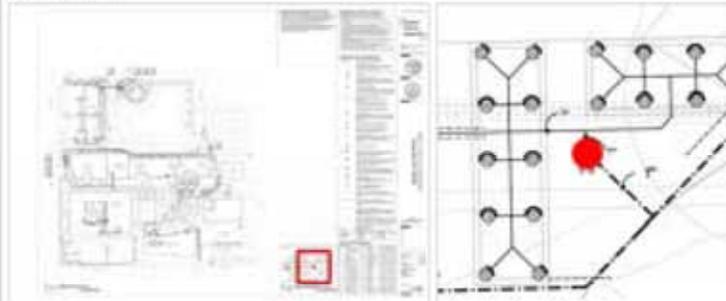
January 23, 2024 10:21 PM

SAND FROM PAVER INSTALL ADJACENT TO THE GARDEN BEDS IS PENETRATING INTO THE VALVE BOXES AND THIS WILL BE A CONSTANT ISSUE. VALVE BOXES IS GOING TO NEED TO BE WRAPED TO CREATE BARRIER AROUND THE VALVE BOX TO STOP PROBLEM.

January 29, 2024 01:08 PM



040\_LI100.pdf



**✖ Leak [2.3]**

January 23, 2024

Irrigation

**Broken octa bubbler**

January 23, 2024 10:21 PM

**REPAIR BROKEN OCTA BUBBLER AT NIPPLE RIASER.**

January 30, 2024 01:51 PM



040\_LI100.pdf



**✖ Leak [2.4]**

January 23, 2024

Irrigation

**Broken octa bubbler**

January 23, 2024 10:21 PM

**REPAIR BROKEN OCTA BUBBLER AT NIPPLE RIASER**

January 30, 2024 01:52 PM



040\_LI100.pdf



**✖ Missing nozzles [2.5]**

January 23, 2024

Irrigation

Missing nozzles on spray heads and zone is disconnected

January 23, 2024 10:21 PM

1. RECONNECT AUTOMATIC VALVE TO CONTROL WIRE.
2. PLANTING BED SPRAY HEADS NEED TO BE FLUSHED. DUE TO LEAVING FACTORY NOZZLE COVERS ON AND POTENTIAL DEBRIS IN LINES.
3. NOZZLES NEED TO BE INSTALLED ON SPRAY HEADS TO TEST AND VERIFY FUNCTION OF INSTALLATION.
4. GRADE IN PLANTER NEEDS TO BE FINISHED TO PROPERLY INSTALL ALL SPRAY HEADS AT CORRECT HEIGHT IN PLANTER BED.

January 30, 2024 01:56 PM



**✘ Leak [2.6]**

January 23, 2024

Irrigation

**Broken octa bubbler**

January 23, 2024 10:21 PM

**BROKEN COTA BUBBLER AND 1/4" BARB. REPLACE OCTA BUBBLER.**

January 30, 2024 01:56 PM



040\_LI100.pdf



**X Fencing over valve box [2.7]**

January 23, 2024  
Irrigation

**FENCING AND VALVE LOCATION CONFLICT.**

January 23, 2024 10:21 PM

**FENCING WAS INSTALLED DIRECTLY OVER VALVE BOX. VALVE BOXES NEEDS TO BE RELOCATED TO SECURE SIDE OF FENCING.**

January 30, 2024 02:00 PM



040\_L1100.pdf



**✖ Leak [2.8]**

January 23, 2024

Irrigation

**Missing plants and in capped heads**

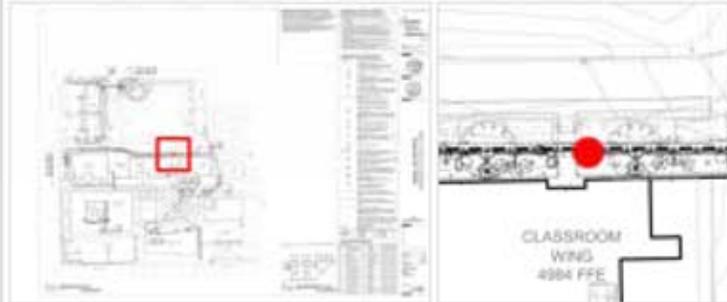
January 23, 2024 10:21 PM

**PLANT WAS REMOVED AND IRRIGATION WASNT CAPPED. THIS ISSUE SHOULD BE ADDRESSED ACROSS THE WHOLE SITE.**

January 30, 2024 03:00 PM



040\_L1100.pdf



**✘ Leak [2.9]**

January 23, 2024

Irrigation

**Popped 1/4" line**

January 23, 2024 10:21 PM

DIS LODGED 1/4" LINE FROM OCTA BUBBLER TO BE REPAIRS. AS PREVIOUSLY STATED IN GENERAL NOTE NUMBER 6 ALL OCTA BUBBLERS TO BE CHECK AND REPAIRS FOR THIS ISSUE.

January 30, 2024 03:02 PM



040\_L1100.pdf



**✖ Leak [2.10]**

January 23, 2024

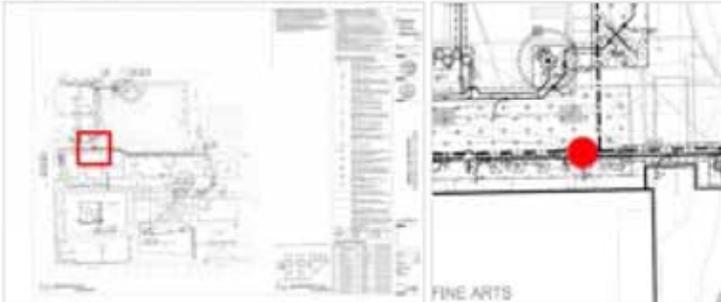
Irrigation

**Leak in valve box and leak by nolina**

January 23, 2024 10:21 PM



040\_L1100.pdf



**✘ Leak [2.11]**

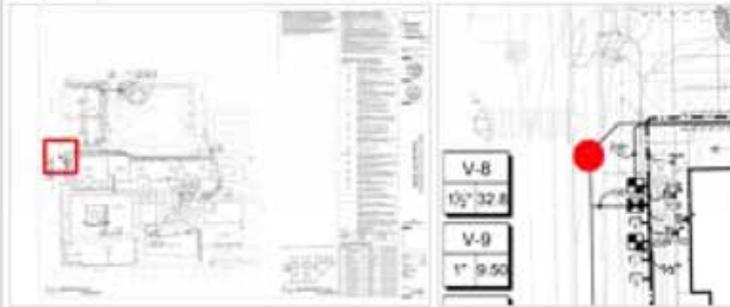
January 23, 2024

Irrigation



2024-01-23 11:17:50 (7/3)

040\_L1100.pdf



**✖ Leak [2.12]**

January 23, 2024

Irrigation

**Popped 1/4"**

January 23, 2024 10:21 PM



040\_L1100.pdf



**✖ Leak [2.13]**

January 23, 2024

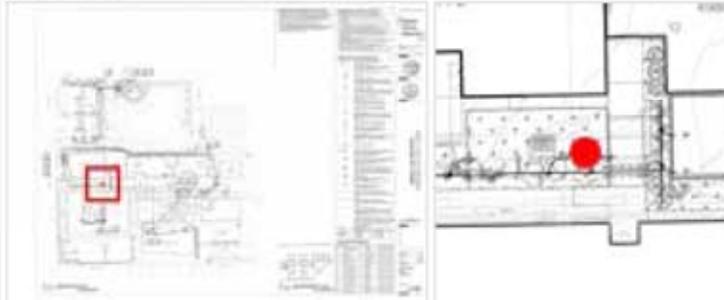
Irrigation

**Popped 1/4" line**

January 23, 2024 10:21 PM



040\_L1100.pdf



✘ Broken valve boxes  
[2.14]

January 23, 2024  
Irrigation

Broken valve boxes through out site.

January 23, 2024 10:21 PM

AS PREVIOUSLY STATED IN GENERAL NOTE 3. ALL VALVE BOXES TO BE REPAIRED OR REPLACED THROUGH OUT THE SITE AND INSTALLED AT CORRECT HEIGHT AT FINISHED GRADE.

January 30, 2024 03:19 PM



✘ Missing valve box lid  
[2.15]

January 23, 2024  
Irrigation

Missing valve box lid  
January 23, 2024 10:22 PM



040\_LI100.pdf



**X Valve short [2.16]**

January 23, 2024

Irrigation

Valve would not work from controller

January 23, 2024 10:22 PM

**VALVE NUMBER 17 WAS NOT RUNNING FROM CONTROLLER.**

January 30, 2024 03:20 PM



040\_LI100.pdf



**✘ Leak [2.17]**

January 23, 2024

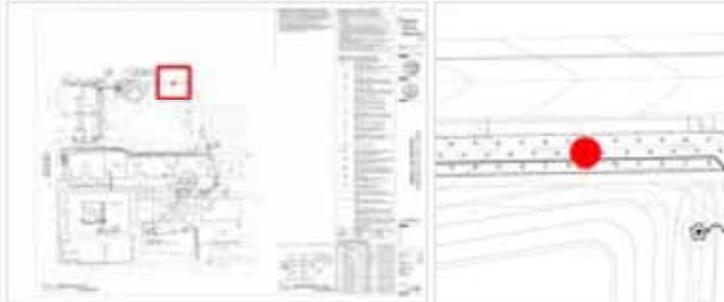
Irrigation

**Popped emitters**

January 23, 2024 10:22 PM



040\_L1100.pdf



**✘ Valve fault [2.18]**

January 23, 2021

Irrigation

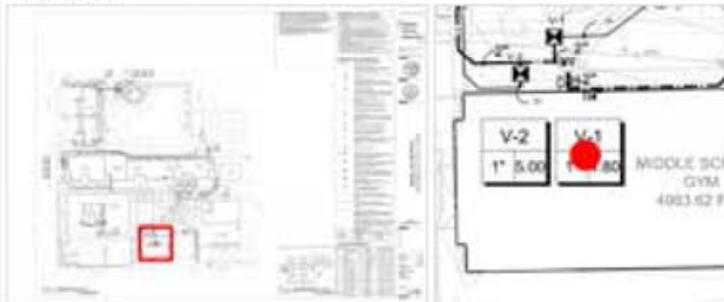
**Valve one not working**

January 23, 2024 10:22 PM

**VALVE ONE WAS NOT WORKING FROM THE CONTROLLER.**

January 30, 2024 03:20 PM

040\_L1100.pdf



**✖ Clean out valve boxes**

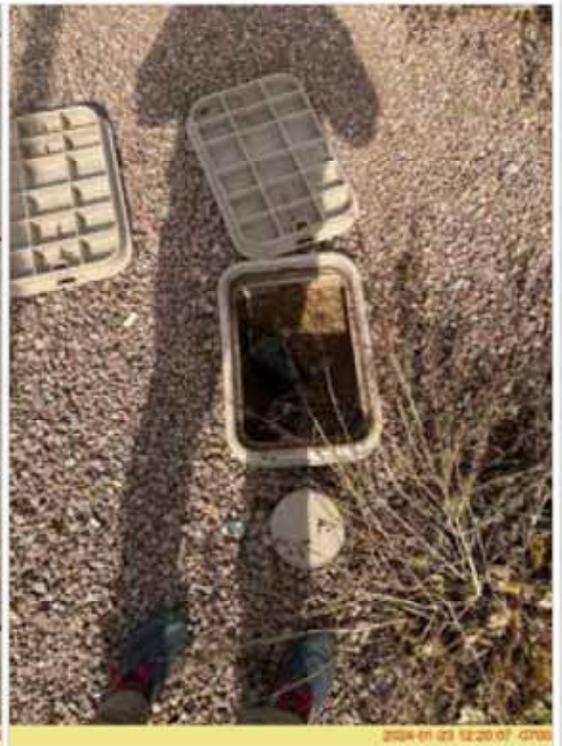
**[2.19]**

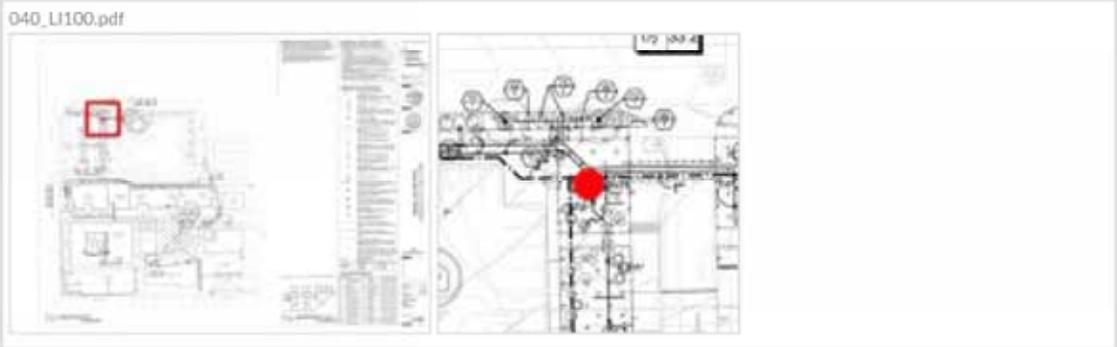
January 23, 2024

Irrigation

Dirt needs to be cleaned out

January 23, 2024 10:22 PM

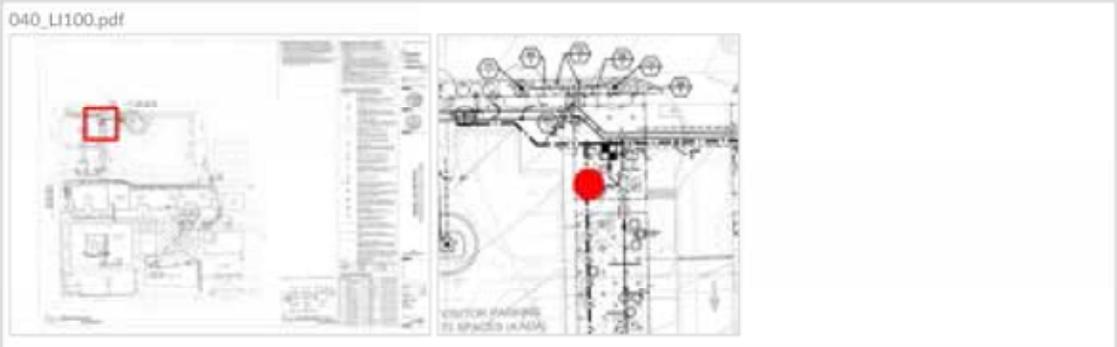




**✗ Valve fault [2.20]**

January 23, 2024  
Irrigation

Valve 22 not working properly  
January 23, 2024 10:22 PM



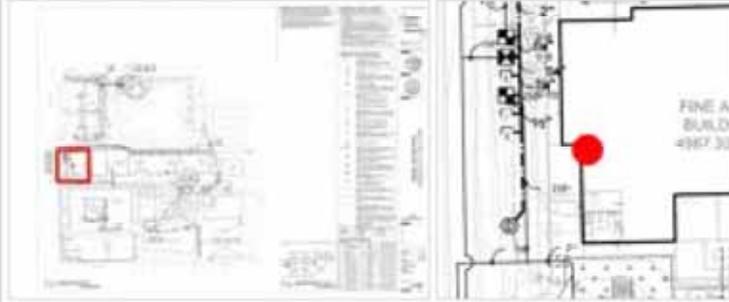
**✗ Controller vandalism [2.21]**

January 23, 2024  
Irrigation

Controller lock was broken with screw driver.  
January 23, 2024 10:22 PM



040\_LI100.pdf



**X Back flow leak [2.22]**

January 23, 2024

Irrigation

Possible leak on inlet side of back flow on k copper

January 23, 2024 10:22 PM



**X Master valve missing [2.23]**

January 23, 2024

Irrigation

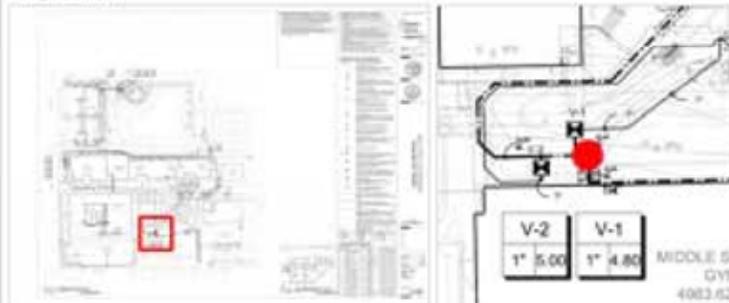
Master valve location un determined

January 23, 2024 10:22 PM

**FIND AND EXPOSE MASTER VALVE FOR INSPECTION.**

January 30, 2024 03:22 PM

040\_LI100.pdf



**X COURTYARD [2.24]**

January 24, 2024

Irrigation

**BACKFLOW WAS UNDER SIZED (3/4") FOR POINT OF CONNECTION (1-1/2"). BACKFLOW NEEDS TO MATCH POINT OF CONNECTION SIZE(1-1/2") TO SUPPLY CORRECT GPM TO ROTORY HEADS ALREADY INSTALLED IN THE LANDSCAPE.**

January 30, 2024 03:25 PM

040\_LI100AA.pdf



## Field Observation Report

### Bobby Joe Hill Elementary

4835 Blossom Ave

El Paso, TX 79924 (US)

Report number: 17-0078.001-1

Date: January 23, 2024 09:00 AM

### Status

Landscape & Site SC Punch

Weather: cloudy with light rain, 46F degrees, wind speed: 3.0 m/h

The contractor must remove all nursery staking, ties, and trunk wrapping from trees, plus any labels, ribbons, and tags from all trees and plants. That is typical throughout the landscape installation.

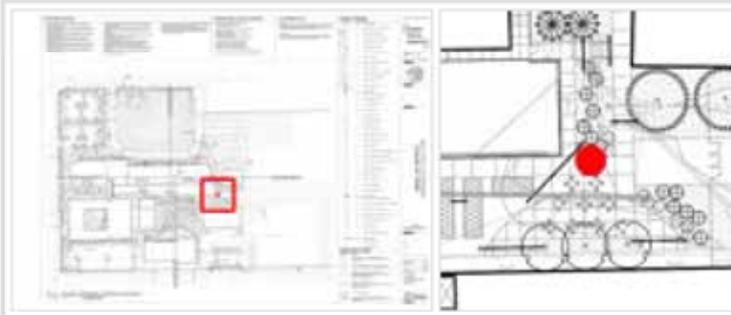
Other landscape items to be addressed are noted below under "Observations".

### Site Overview



# Observations

Observation	Description
Landscape / Irrigation	
<p><b>✘ Wrong plant substitution [1.1]</b></p> <p><a href="#">Landscape</a></p>	<p>Large Spanish Broom was used to replace Thompson Broom due to availability at installation; 3 of those plants are missing. Those plants are established, appearing to be 2-3 years old. This must be addressed by either:</p> <p>a) Owner will need to prune back each plant once every year in fall or spring to minimize overgrowing paving, then remove those plants once pruning is no longer effective / cap drip emitters.</p> <p>OR</p> <p>b) Contractor must replace Spanish Broom with (11) of one of the following plant species, which are smaller - recommend Santolina virens, Chrysactinia mexicana, or Teucrium chamaedrys.</p> <p><i>January 29, 2024 07:18 PM</i></p> 
<p>040_LP100AA.pdf</p> 	

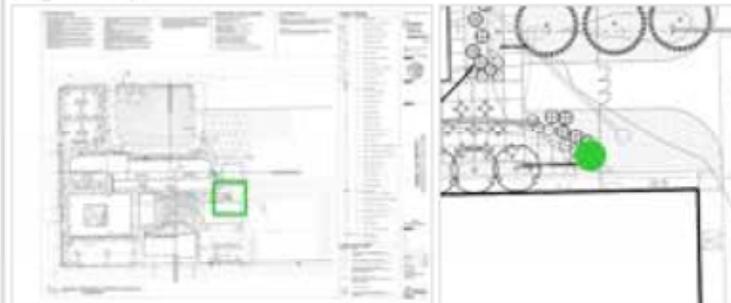


✓ Trees relocated [1.2]  
Landscape

Play structure added, (3) Ulmus parvifolia relocated to bed S  
February 05, 2024 11:03 PM



040\_LP100AA.pdf





✘ Some plants installed too closely or missing [1.3]

Landscape

*Nolina macrocarpa* plan spacing is 7-8 ft, but installed spacing is 3-4 ft; keep as-is

(5) *Nolina* are missing; replant at spacing per plan

(17) *Muhlenbergia rigens* are missing; replant at spacing per plan

(9) *Calamagrostis* 'Karl Foerster' are missing; replant at spacing per plan

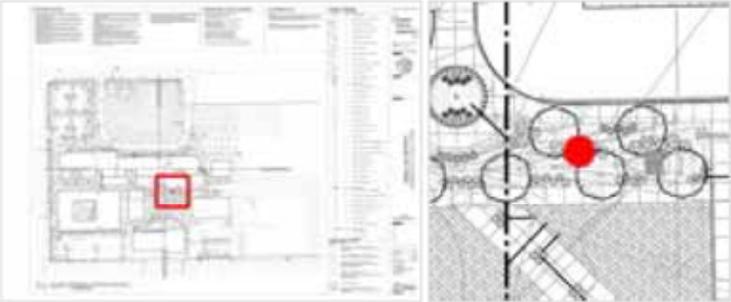
February 05, 2024 07:58 PM



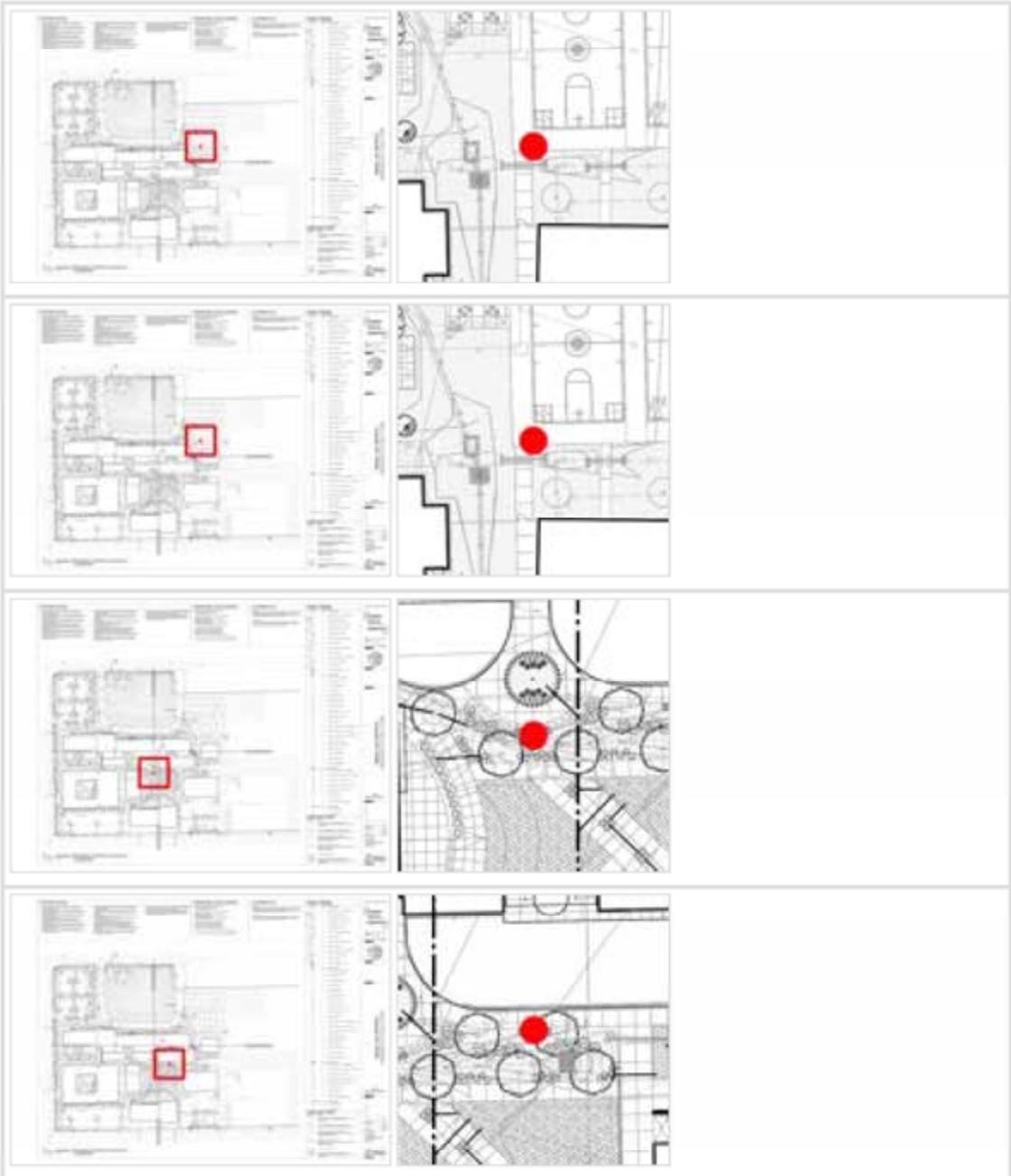




040\_LP100AA.pdf







**X** Trees installed too closely [1.4]

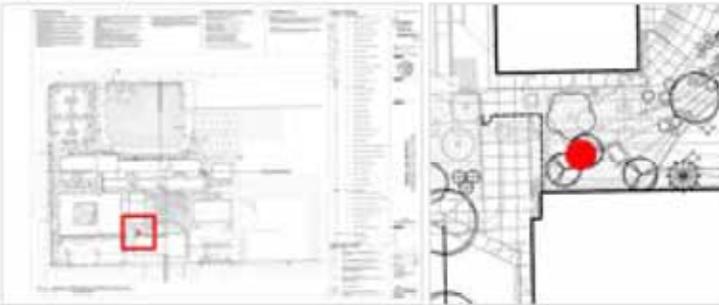
Landscape

Parkinsonia x 'Desert Museum' plan spacing is 14 ft, but two trees are installed at 9 ft spacing; move tree farthest from wall away from other tree to be 14 ft minimum spacing. Verify underground utilities and gas line prior to work.

February 05, 2024 09:45 PM



040\_LP100AA.pdf



**X** New plants damaged by excessive traffic [1.5]

Landscape

Foot and vehicular traffic damage apparent in this area between paving, including missing plants, damaged valve boxes, etc.

(16) *Leucophyllum langmaniae* 'Lynn's Legacy' missing; replant per plan spacing

(10) *Muhlenbergia rigens* missing; replant per plan spacing

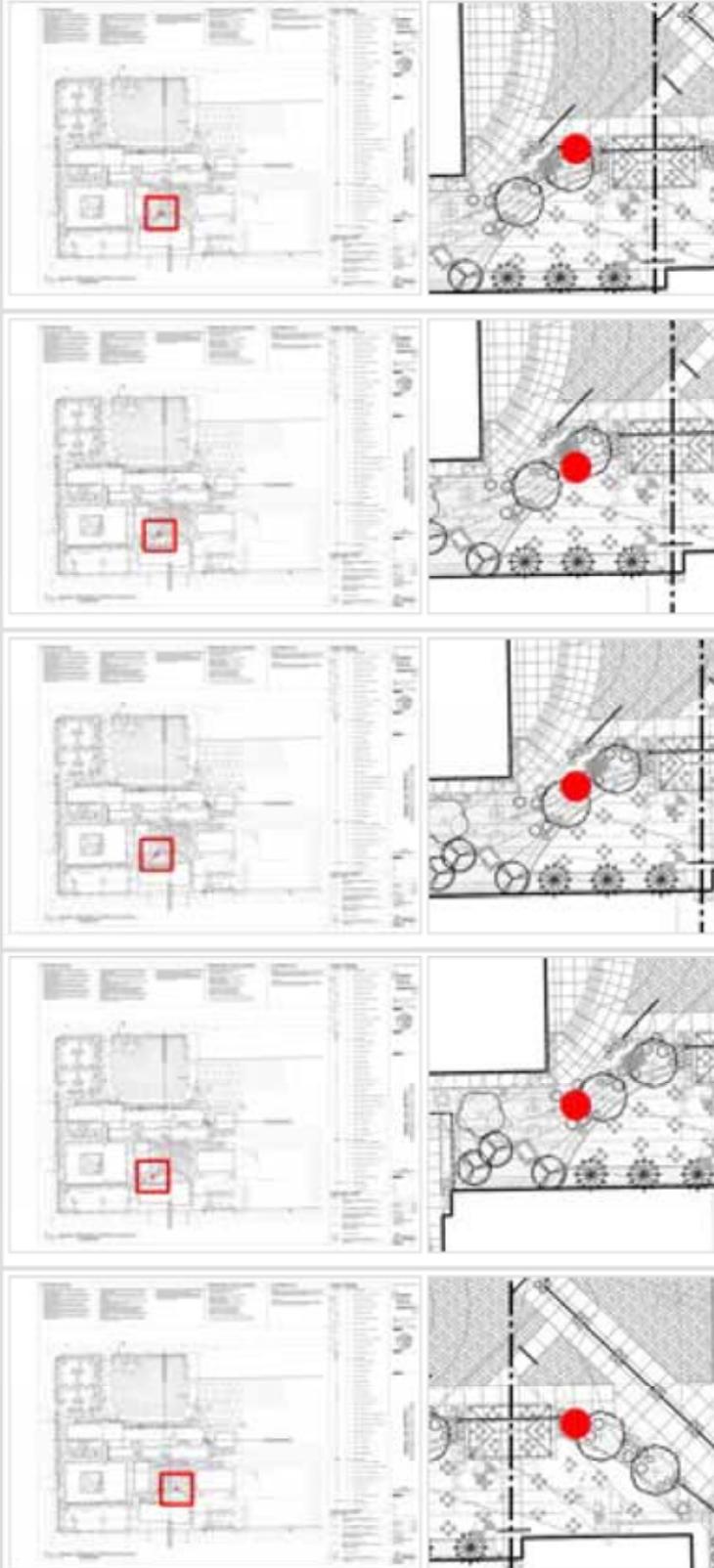
(5) *Bouteloua gracilis* 'Blonde Ambition' missing; replant per plan spacing

February 05, 2024 10:00 PM











✖ Added paving, missing plants [1.6]

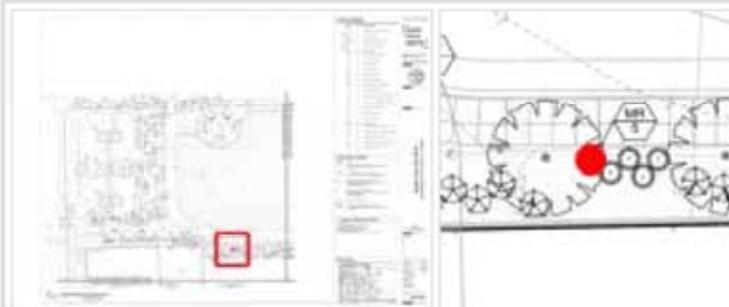
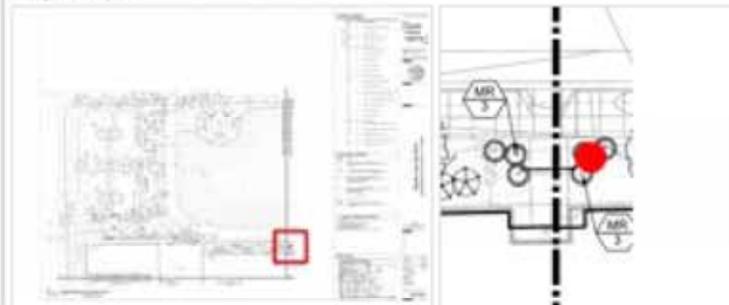
Landscape

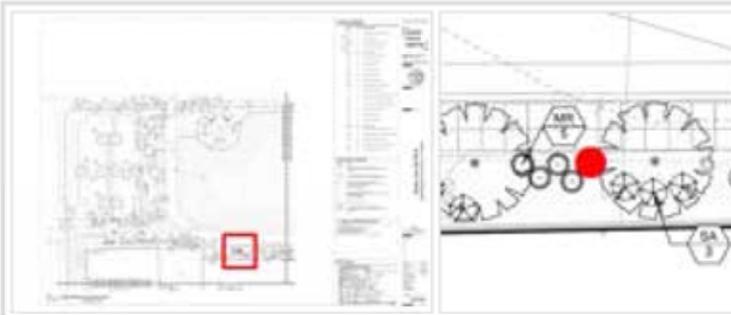
(3) Muhlenbergia rigens missing due to sidewalk expansion; reinstall per plan  
(2) Muhlenbergia rigens missing to west; reinstall per plan

February 05, 2024 10:51 PM



040\_LP101.pdf





✓ Plant crowded by new fence installation [1.7]  
Landscape

Temporary fencing location caused junipers to be located where they are currently, then new fence was constructed close to 1 juniper. Acceptable  
February 06, 2024 12:07 AM



040\_LP100AA.pdf



✓ Deergress changed to Beargrass [1.8]

Landscape

(5) Muhlenbergia rigens appear to have been replaced by Nolina macrocarpa, though it's difficult to tell in winter with young plants. This is acceptable.

February 05, 2024 11:45 PM



040\_LP100AA.pdf



✗ Junipers missing [1.9]

Landscape

All (5) Juniperus scopulorum are missing along N side building

February 04, 2024 01:26 PM

040\_LP100AA.pdf





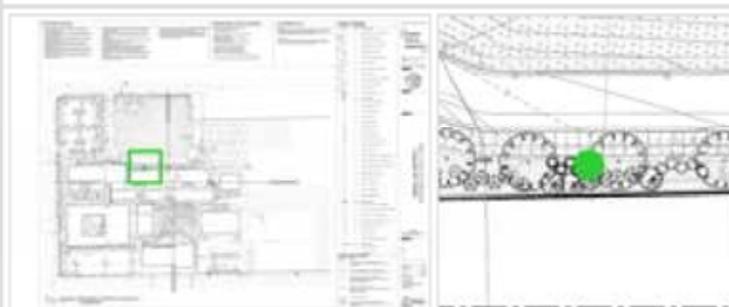
✓ Various plants shifted  
[1.10]

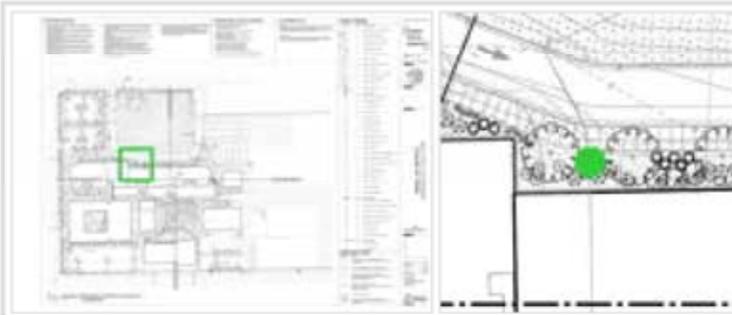
Landscape

Senna and Leucophyllum shifted, but locations of their groupings will mature without overcrowding sidewalk, building, and other plants - acceptable

February 05, 2024 11:56 PM







✘ Senna changed [1.11]  
Landscape

(1) Senna artemisoides was changed to another plant; replace with Senna per plan  
February 06, 2024 12:00 AM



040\_LP100AA.pdf



✘ Planting area remained  
pavement [1.12]  
Landscape

040\_LP100AA.pdf

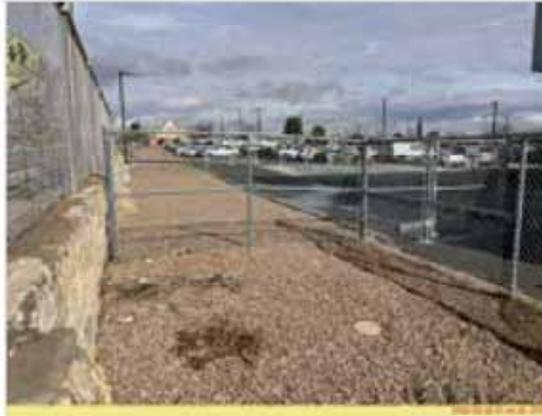


✘ Many plants, vines missing west, inside fence [1.13]

Landscape

- (7) Larrea tridentata missing; replant per plan spacing
  - (6) Leucophyllum langmaniae 'Lynn's Legacy' missing; replant per plan spacing
  - (1) Vauquelinia californica missing; replant per plan
  - (3) Rhus trilobata 'Grow Low' missing; replant per plan spacing
  - (6) Antigonon leptopus missing; replant per plan spacing
  - (4) Fallopia aubertii missing; replant per plan spacing
  - (5) Vauquelinia californica missing; replant per plan spacing
  - (2) Lantana x 'New Gold' missing; replant per plan spacing
- Existing large oleander not shown on plans, possible root conflicts with planting nearby?

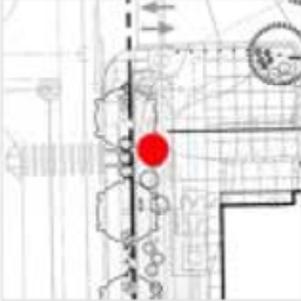
February 06, 2024 12:27 AM

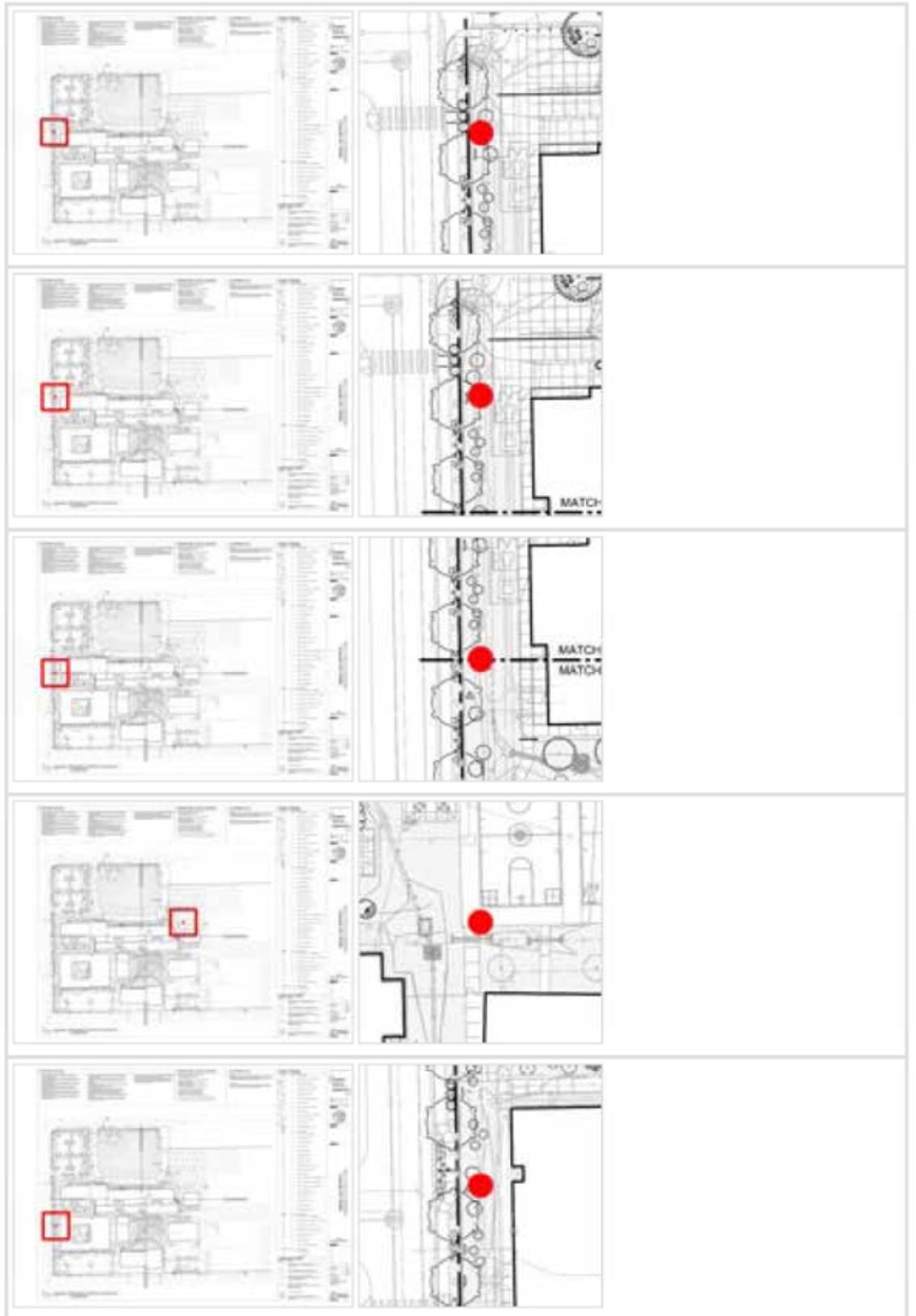


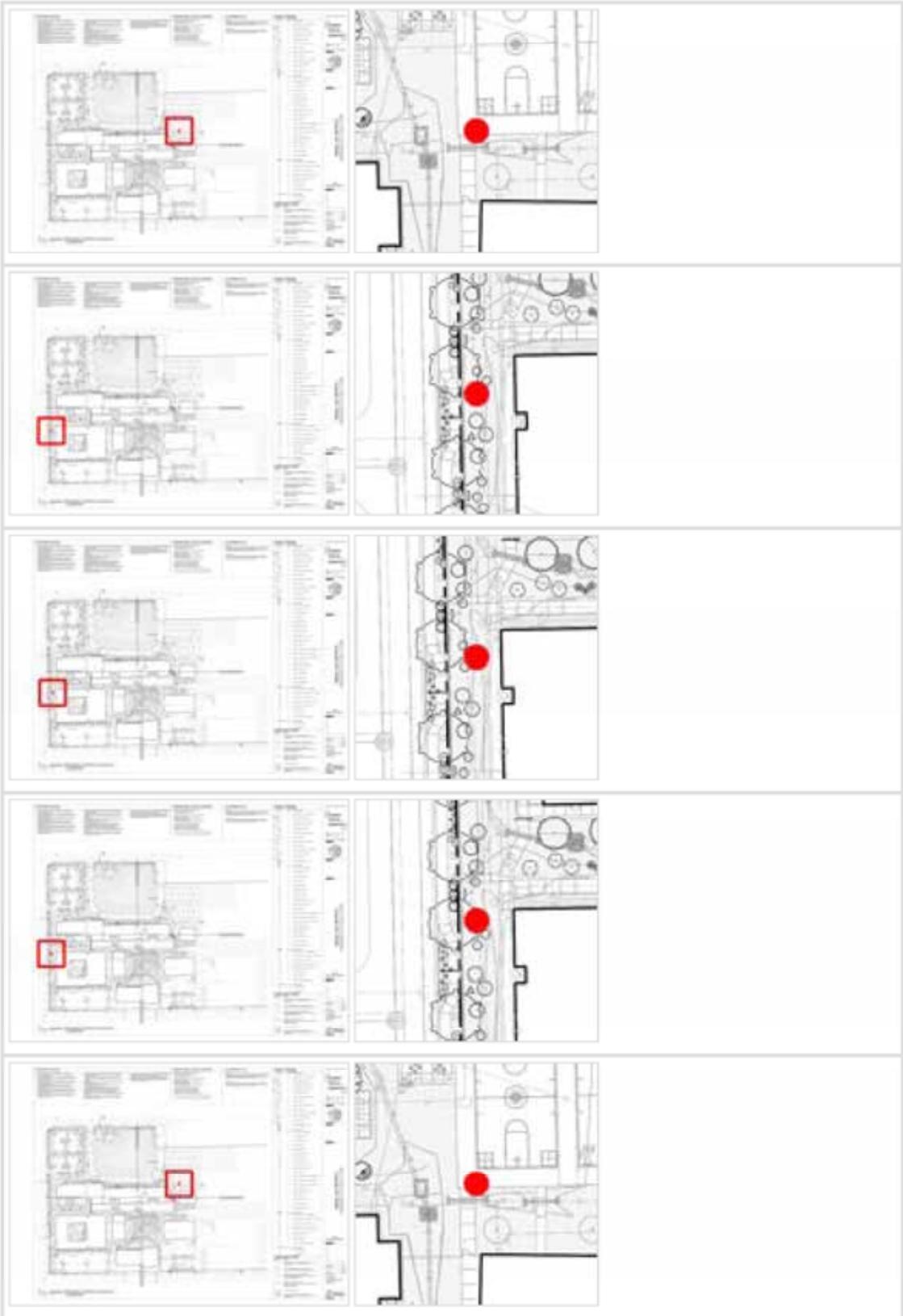


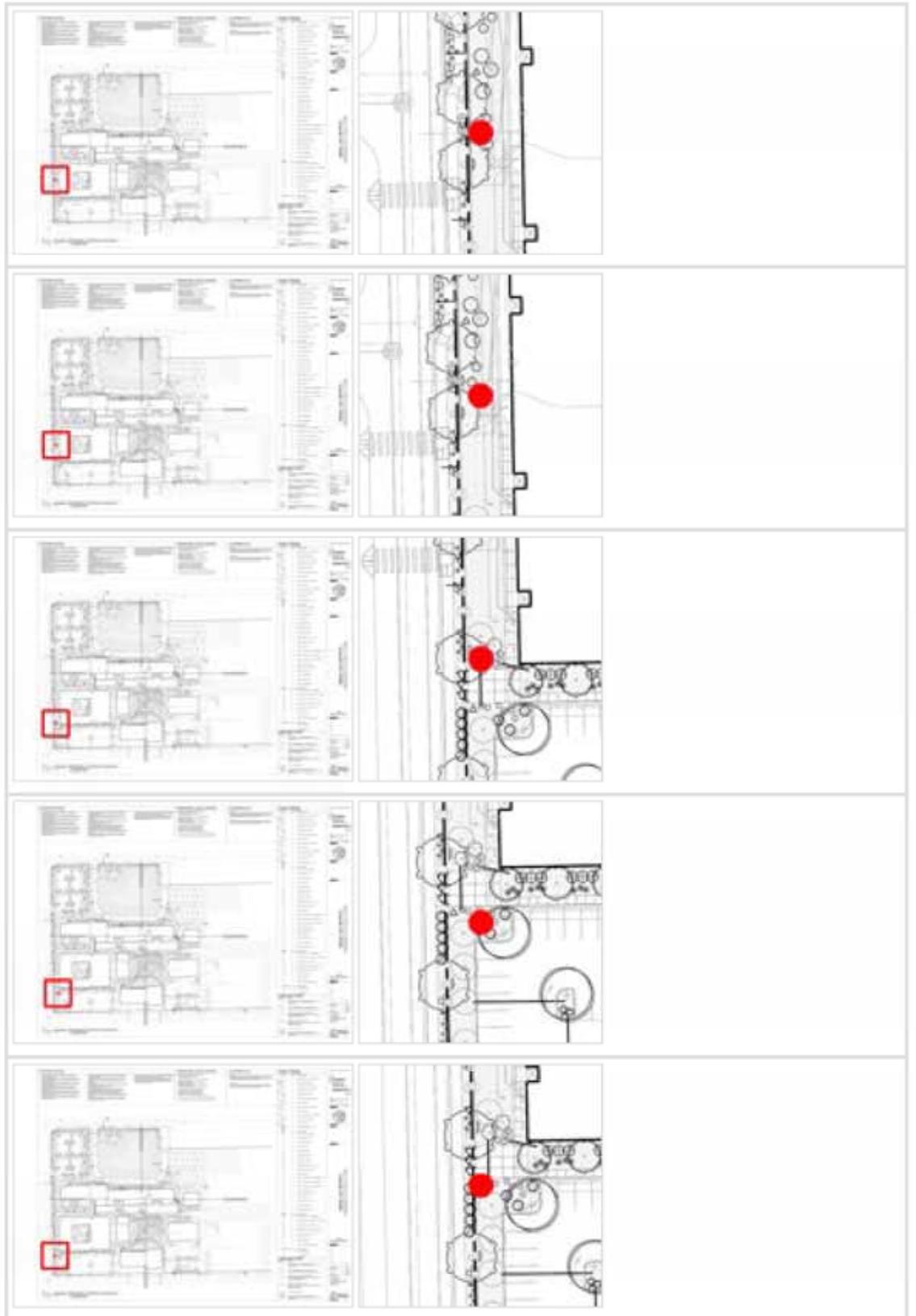


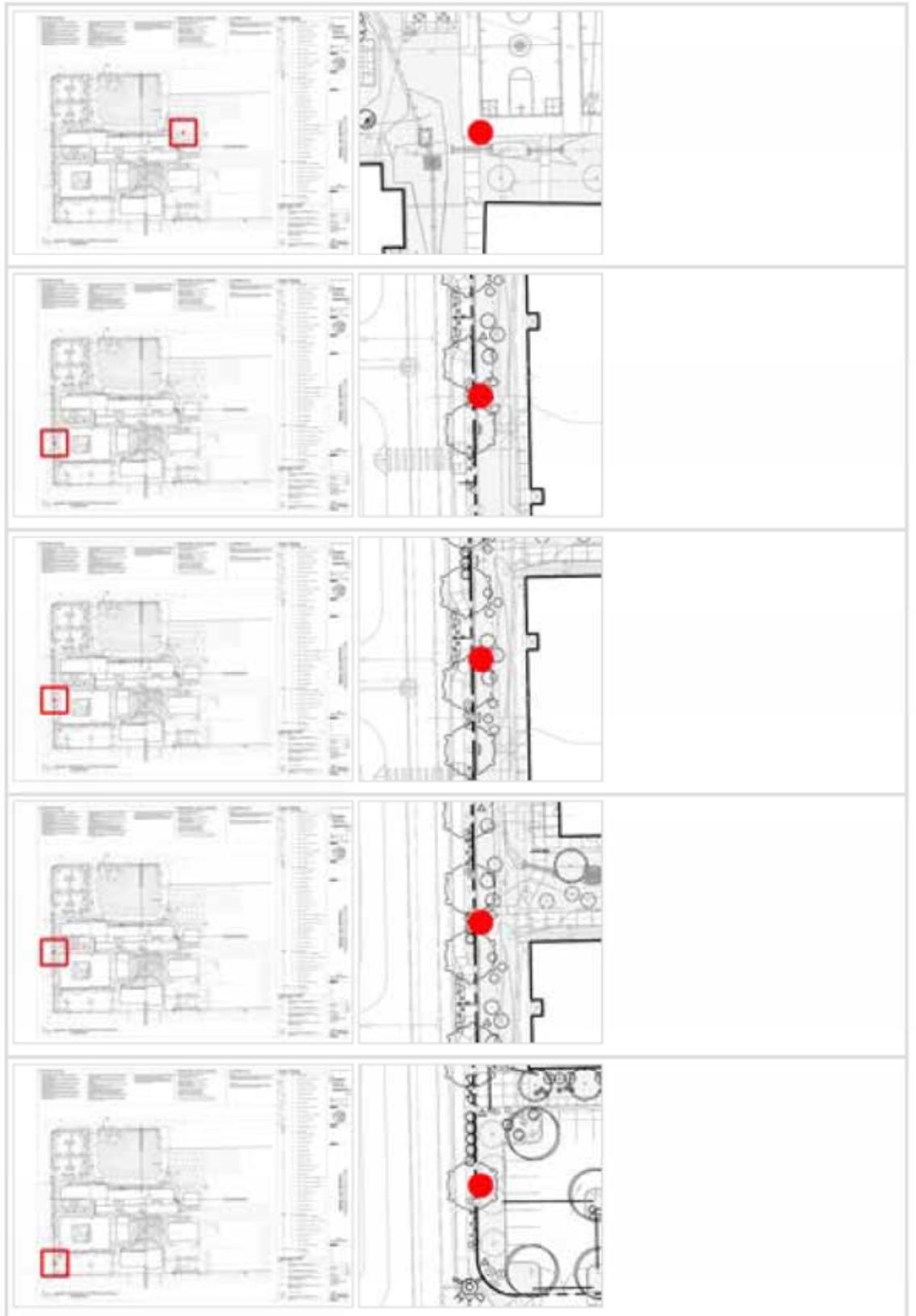
040\_LP100AA.pdf

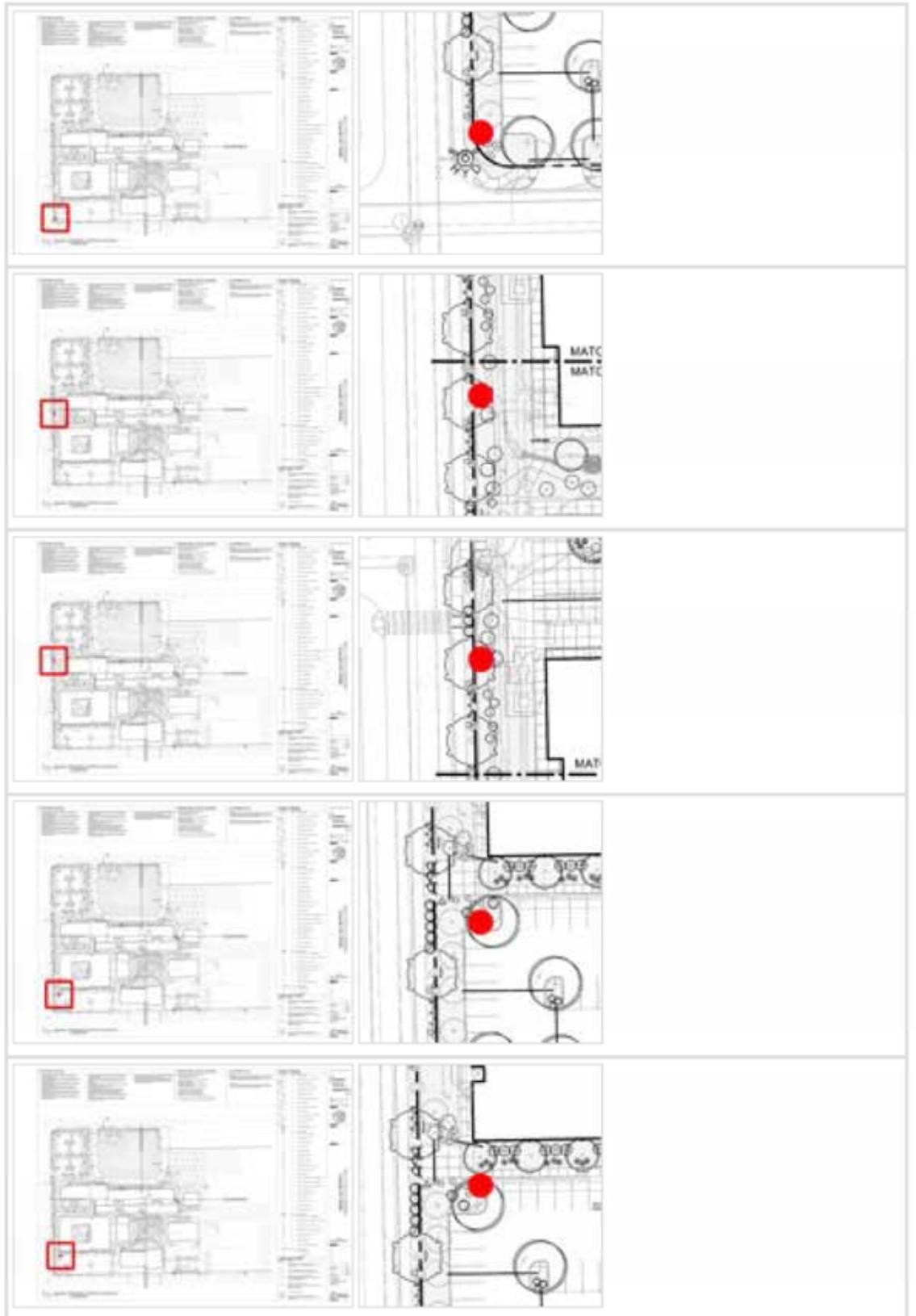


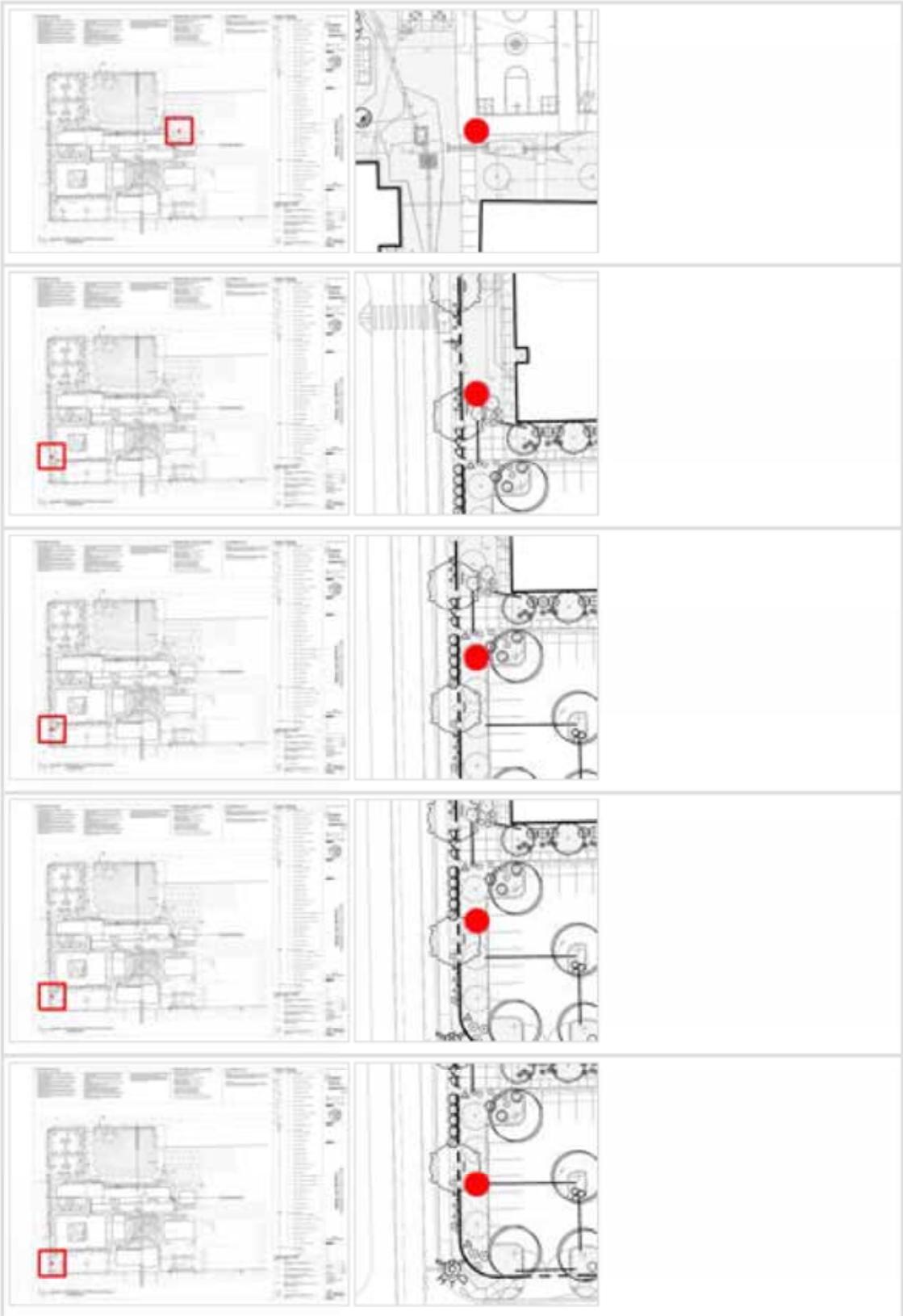


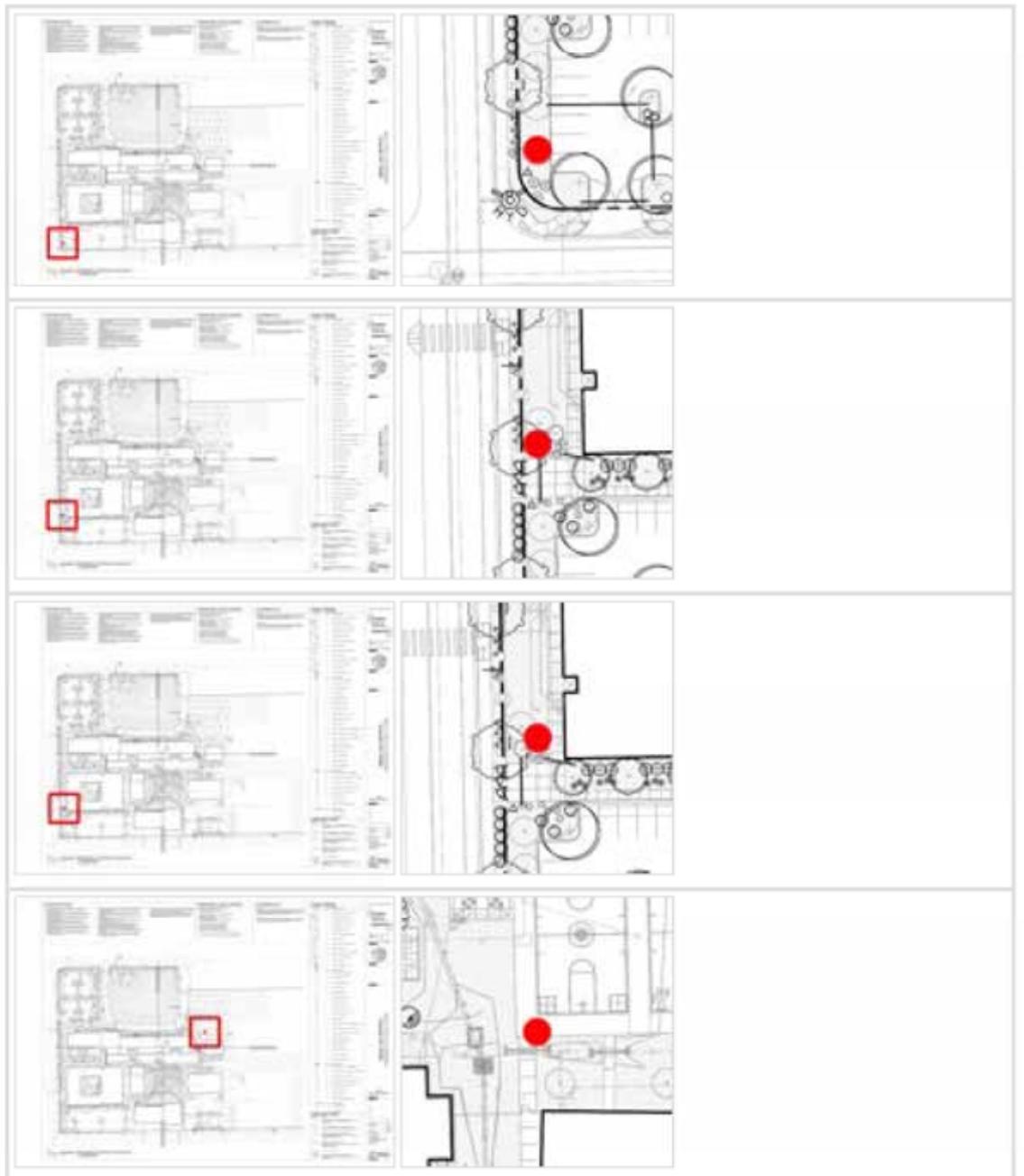










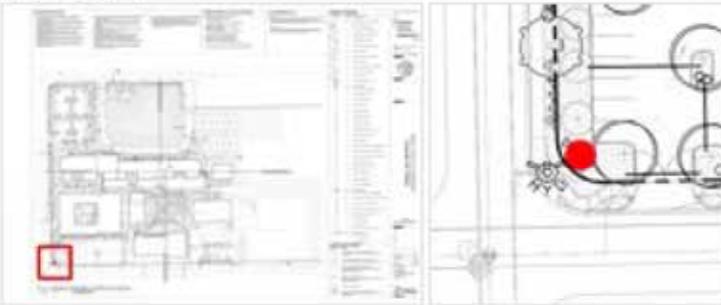


**✘ Wrongly spaced Beargrass [1.14]**  
Landscape

(3) *Nolina macrocarpa* planted too closely; reinstall at 8 ft on-center spacing in triangular layout per plan  
February 06, 2024 12:35 AM



040\_LP100AA.pdf



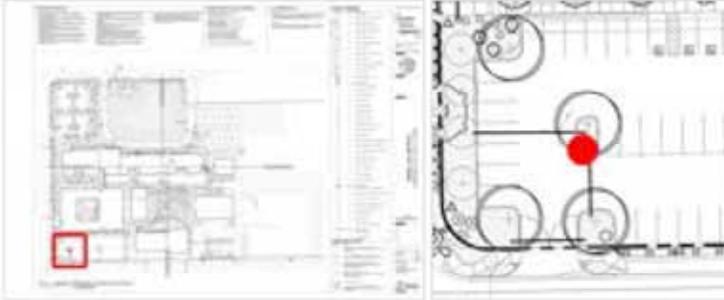
**✘ Missing plants in parking islands [1.15]**  
Landscape

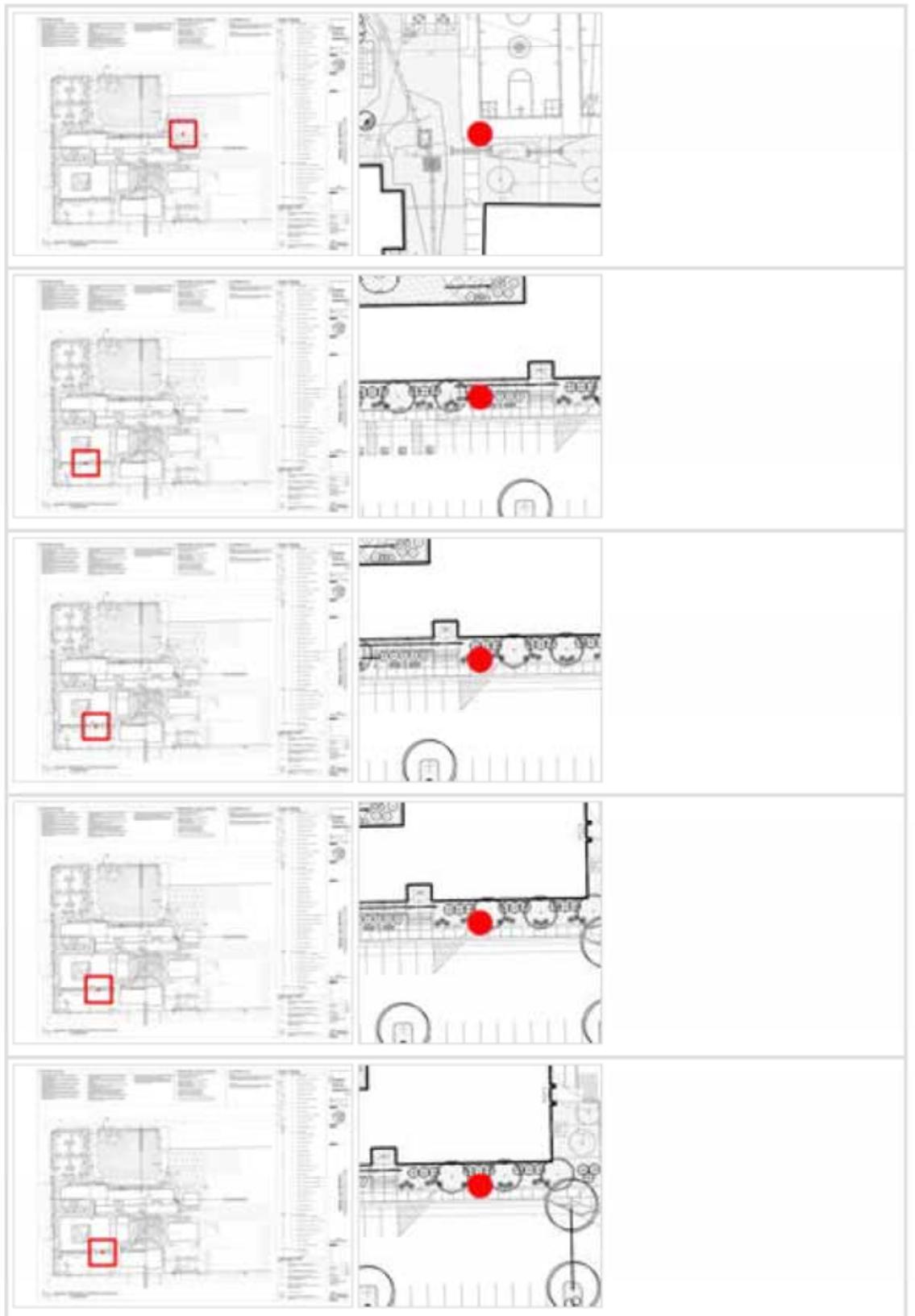
All *Ericameria nauseosa* against building were changed to lower *Ericameria laricifolia*, which won't grow up above windows and into Vundersides of *Vitex* trees - acceptable as-is  
(3) *Leucophyllum langmaniae* 'Lynn's Legacy' missing from parking islands; replant per plan  
(2) *Ericameria laricifolia* missing from parking islands; replant per plan  
(2) *Nolina microcarpa* missing from front ramp area; replant per plan  
All *Muhlenbergia emersleyi* on east end being cut back or are missing; replace those not alive per plans  
February 06, 2024 01:22 AM

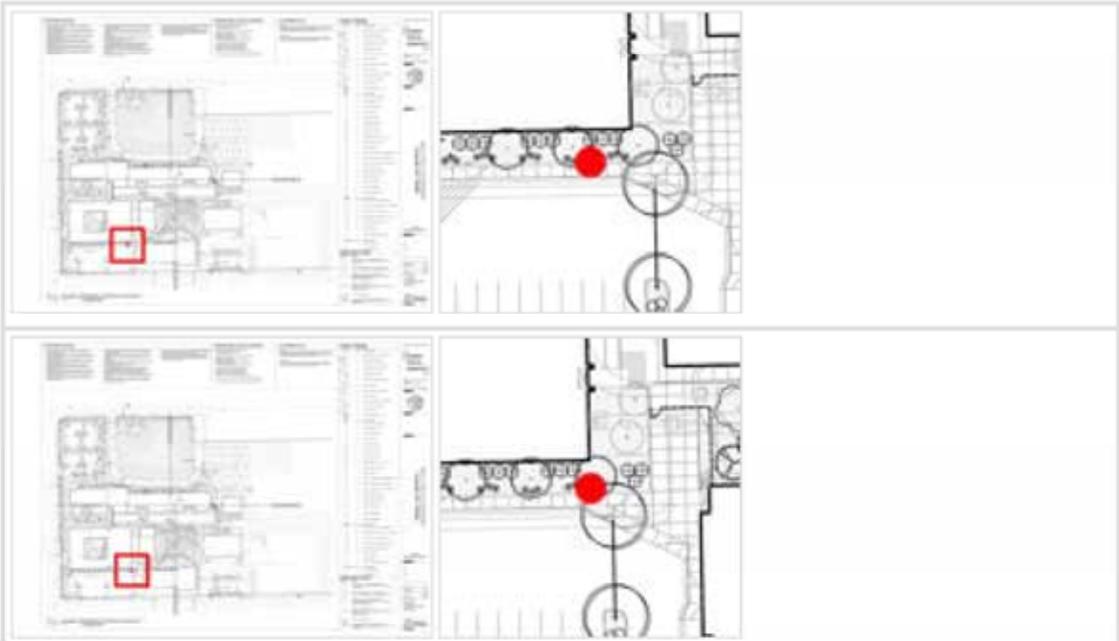




040\_LP100AA.pdf







**✘ Missing and dead plants in N and W parking [1.16]**

Landscape

- (9) *Leucophyllum langmaniae* 'Lynn's Legacy' missing; reinstall per plan
- (7) *Teucrium chamaedrys* missing; reinstall per plan
- (3) *Juniperus* 'Blue Chip' changed to *Rhus virens*; established, keep as-is
- (6) *Eleagnus pungens* dead; reinstall per plan
- (4) *Larrea tridentata* missing; reinstall per plan
- (3) *Baccharis x Starns* missing; reinstall per plan

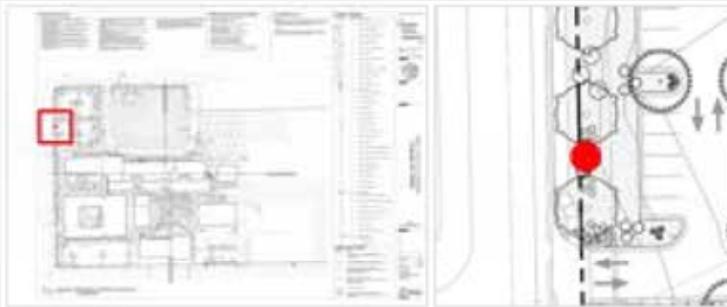
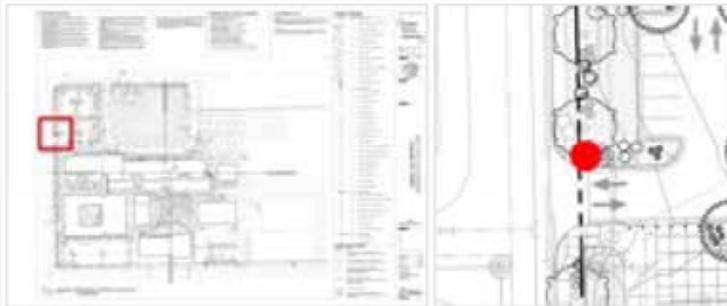
February 06, 2024 02:32 AM

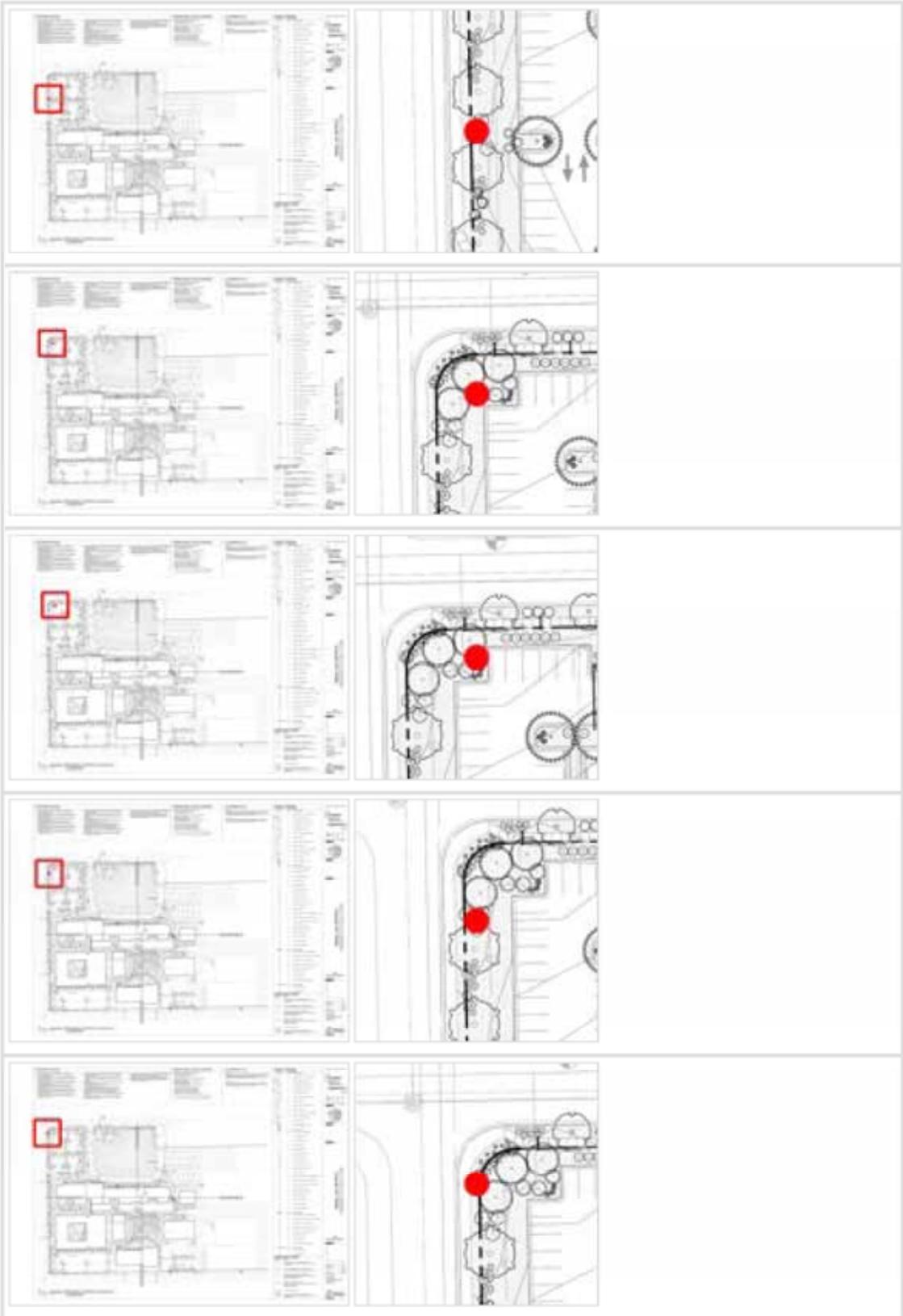


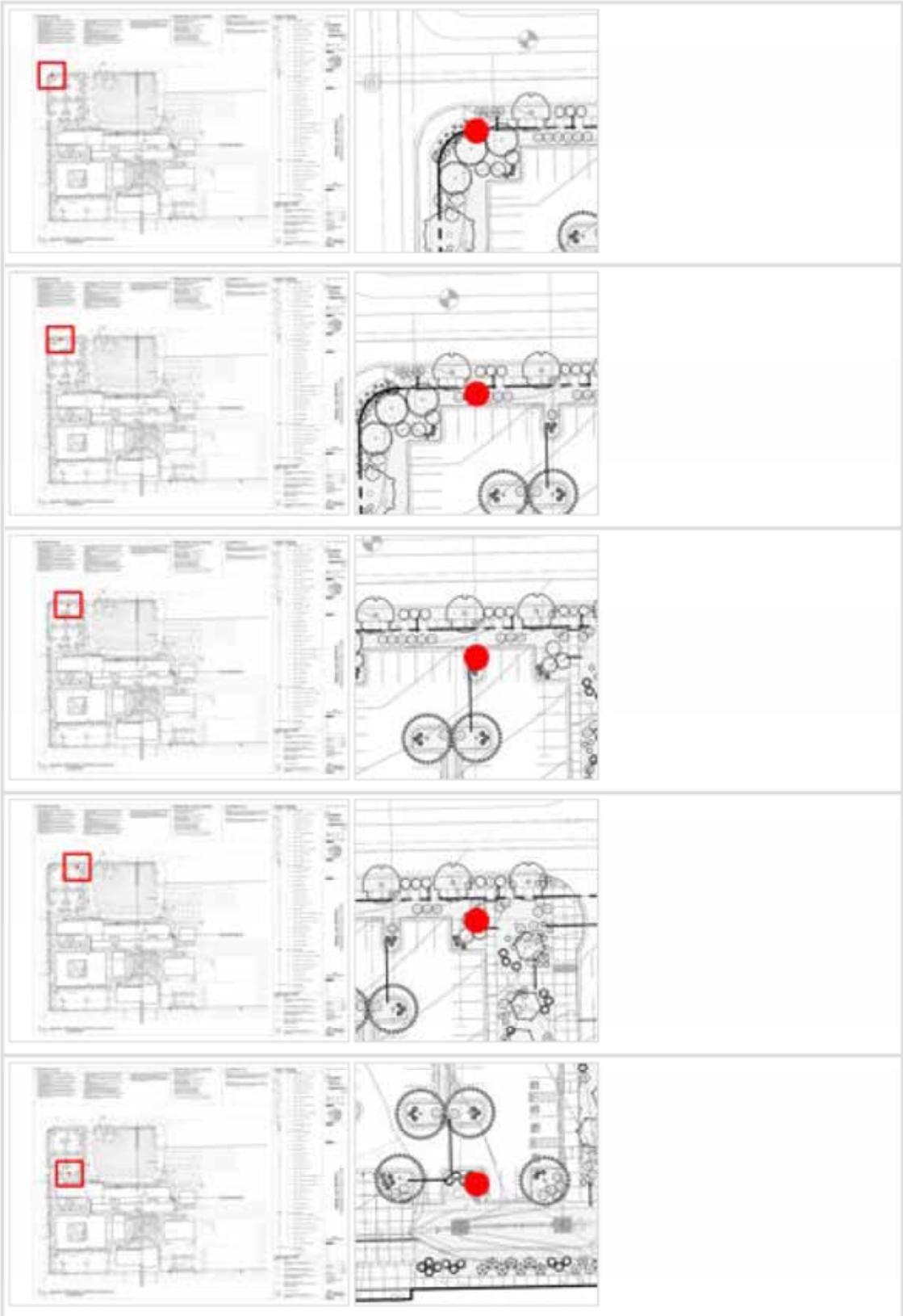


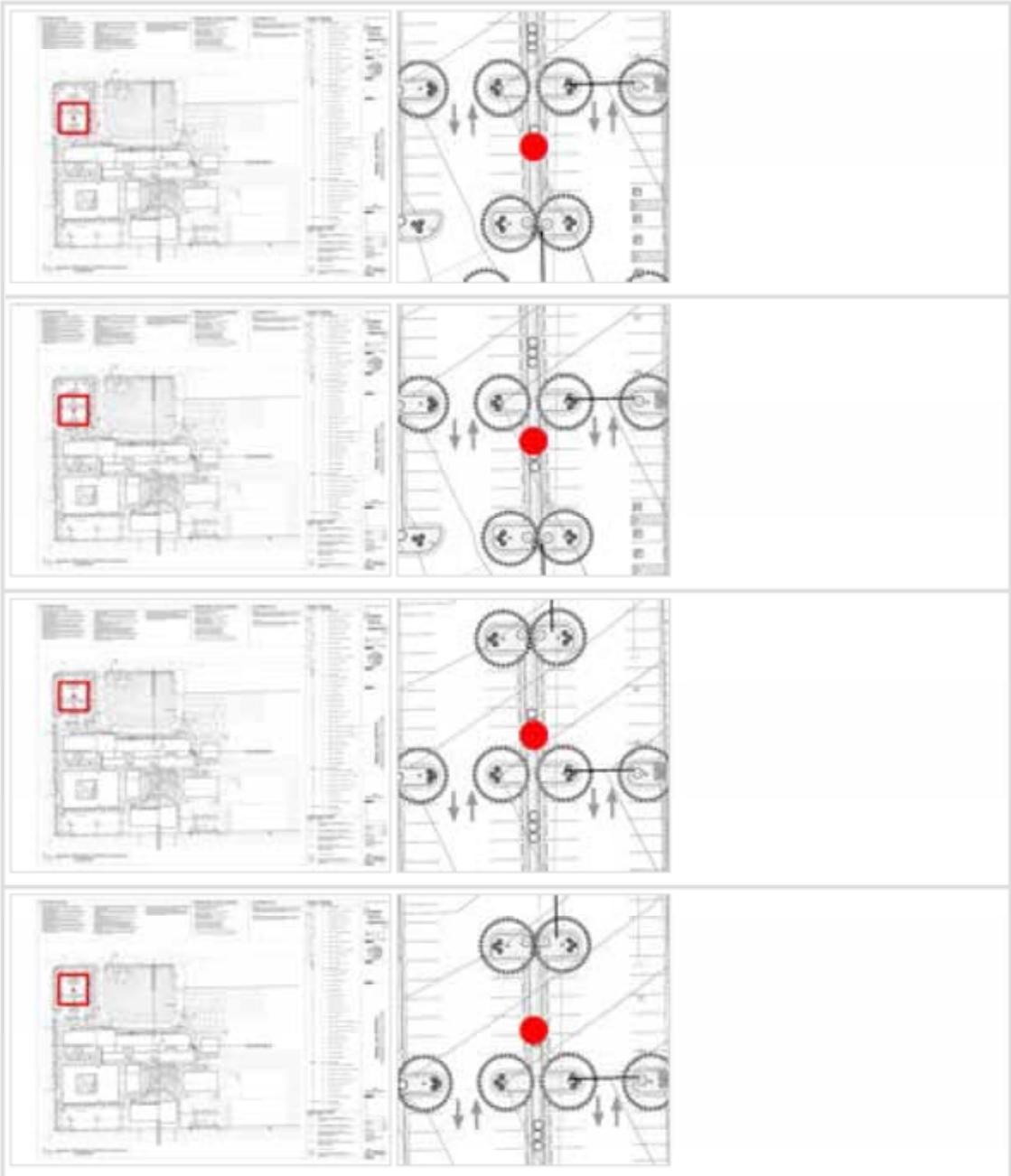


040\_LP100AA.pdf









✘ Missing plants N area

[1.17]

Landscape

(5) Miscanthus sinensis 'Yaku Jima' missing; reinstall per plan

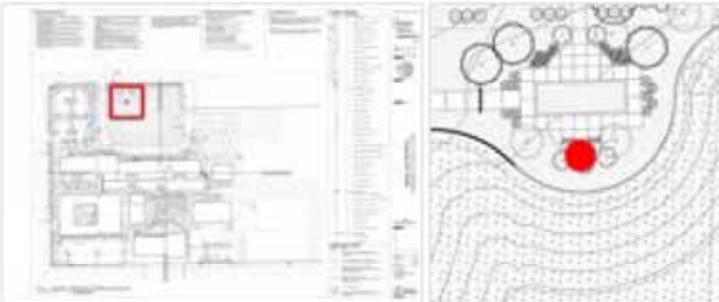
(4) Eleagnus pungens missing; reinstall per plan

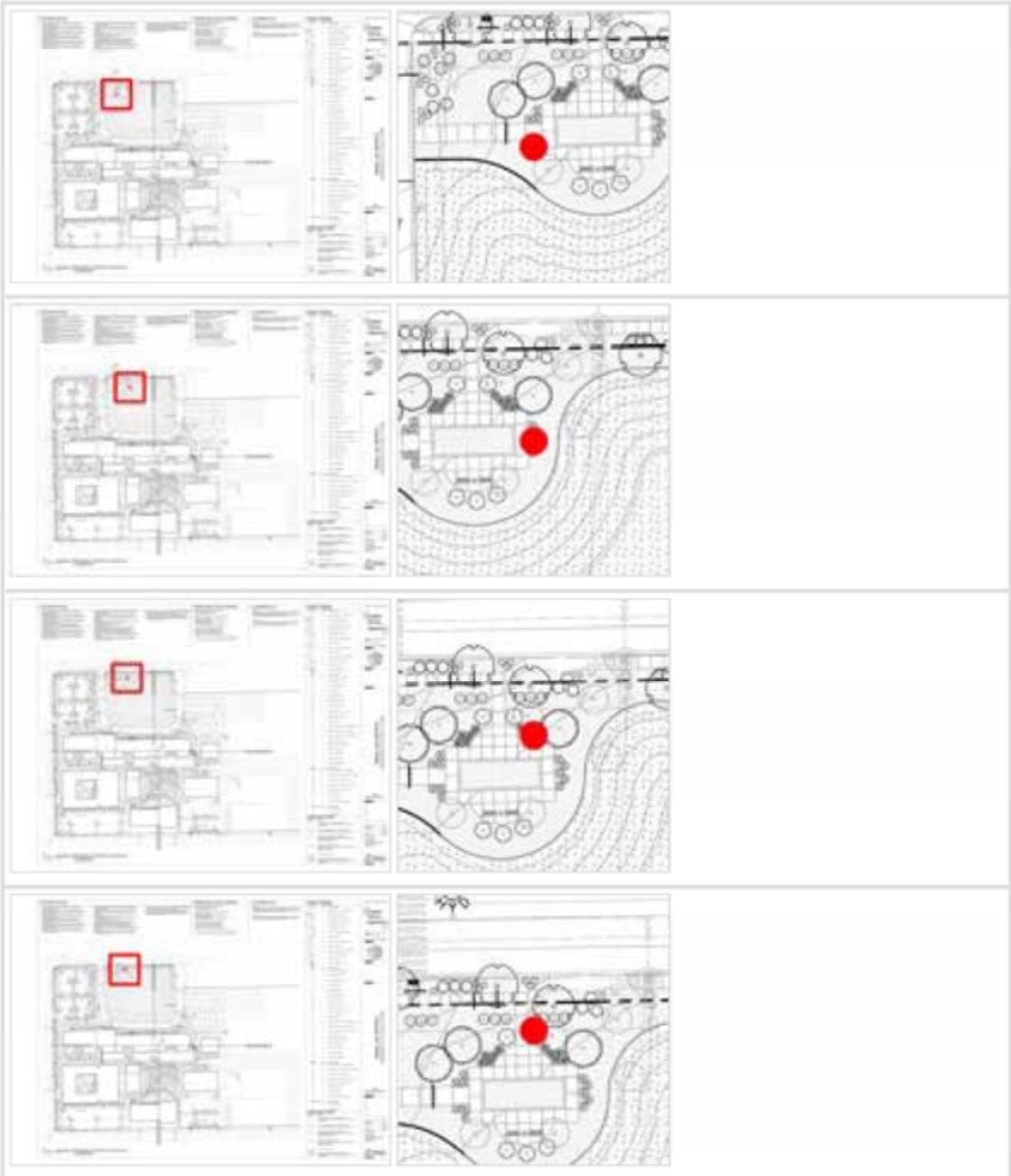
All Rosmarinus off. 'Arp' changed to Rosmarinus off. 'Prostrata' and installed too close to paving and together; either reinstall upright species per plan or space from paving and each other per plan

February 06, 2024 02:50 AM



040\_LP100AA.pdf





✘ Missing plants - inner courtyard [1.18]

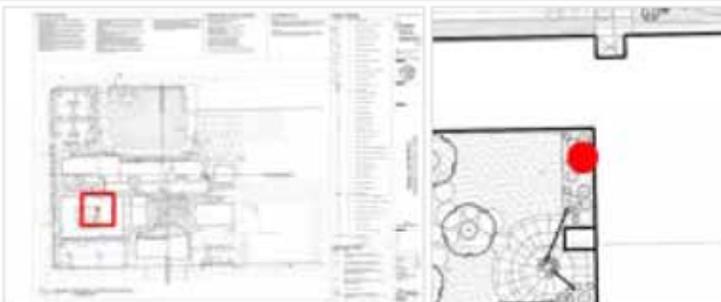
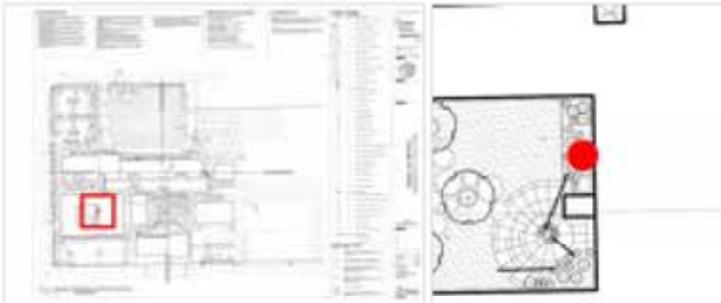
Landscape

(2) Dalea frutescens missing; reinstall per plan  
\* EPISD does not want to use any seeding in open areas in this courtyard.

February 06, 2024 02:50 AM



040\_LP100AA.pdf

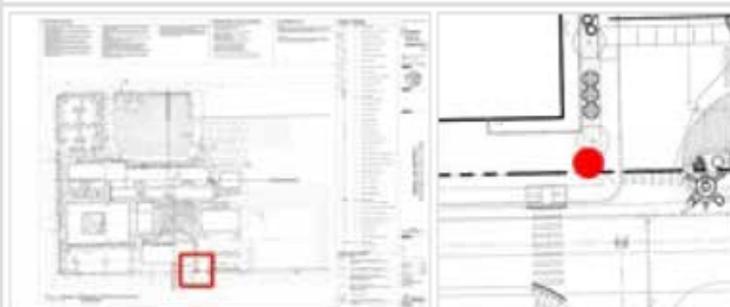
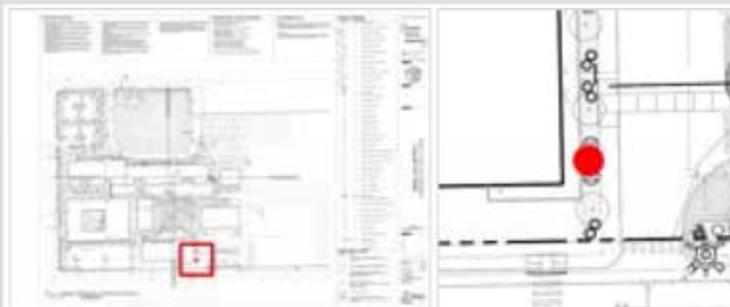
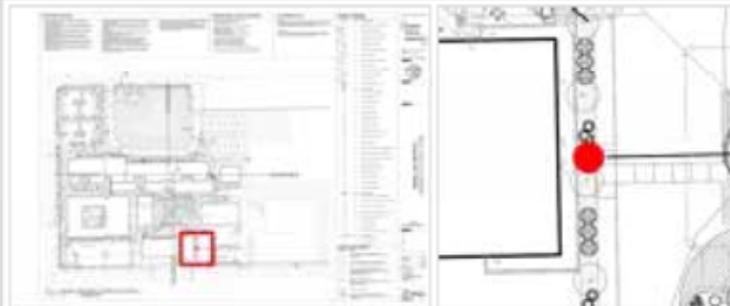
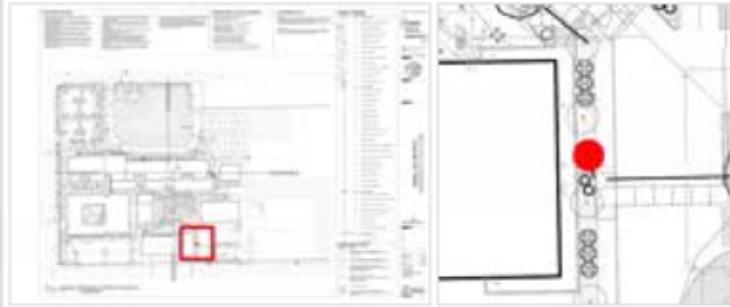
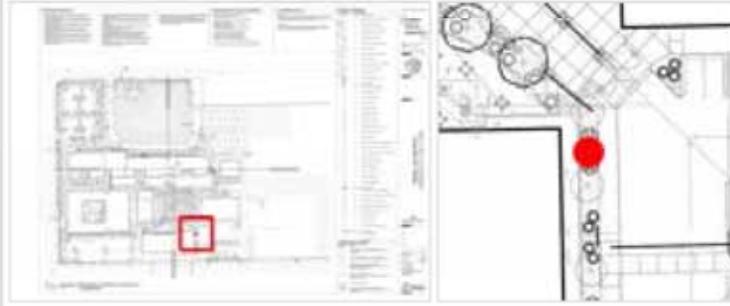


✘ Plants missing or removed W and S planters [1.19]

Landscape

(6) Juniperus horiz. 'Blue Chip' missing; reinstall per plan  
(9) Muhlenbergia rigens missing; reinstall per plan  
(8) Leucophyllum langmaniae 'Lynn's Legacy' missing; reinstall per plan

February 06, 2024 02:51 AM





✘ All site - nursery stakes & ties, etc. still on [1.20]

Landscape

Trees and plants throughout site - remove all nursery stakes & ties, trunk wraps, and tags & labels

February 06, 2024 01:30 AM



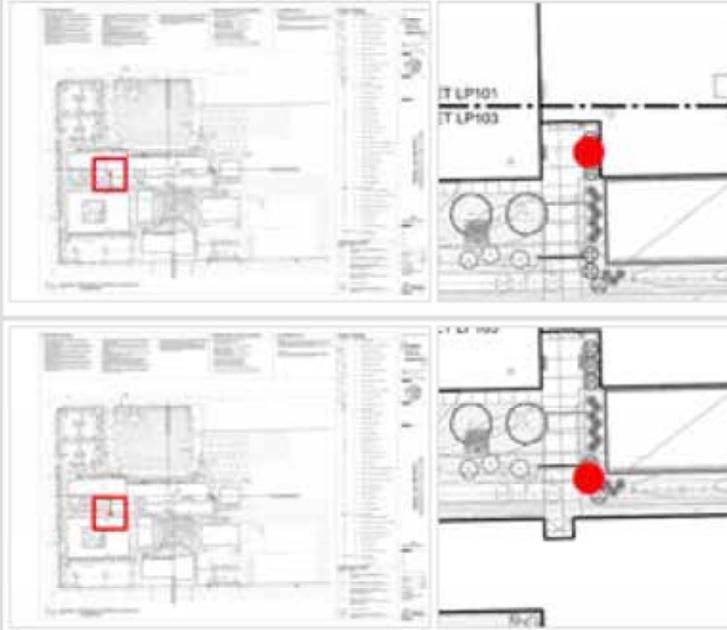


**X Wrong Juniper substituted [1.21]**  
Landscape

All (6) Juniperus horizontalis 'Blue Chip' were changed to a large, upright Juniper; replace with (6) Juniperus horizontalis 'Blue Chip' per plan  
February 06, 2024 02:51 AM



O40\_LP100AA.pdf



### Site Improvements

✓ Ponding in spots on paving [1.22]

Site



✗ Broken concrete at some corners [1.23]

Site

✗ Expansion joints not all caulked [1.24]

Site

**X Fence damage [1.25]**

Site

Fence in this location is damaged / bowed in or otherwise impacted, and some of the wire material is loose and not secure; repair this area per manufacturer and for safety.

February 06, 2024 04:18 AM





February 01, 2024

Dekker Perich Sabatini  
108 S. Stanton Street  
El Paso, Texas 79901

Attn: Ken Wooten

Re: Final Completion Punchlist  
Bobby Joe Hill PK-8  
4835 Blossom Ave.  
El Paso, Texas 79924

Dear Mr. Wooten:

On January 09, 2024, a representative from Quantum Engineering Consultants, Inc. performed a substantial completion walkthrough at the above-mentioned project site. Several items were observed that will require special attention and/or do not correspond to the Project Documents. The following items should be addressed prior to Final Acceptance:

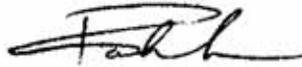
1. As a general note, Contractor shall thoroughly inspect and repair all cracks and chips in the newly installed concrete, including but not limited to, curbs and sidewalks. The Contractor shall use an approved epoxy cement for all repairs. The epoxy cement color shall match the new/existing color of the concrete. **Refer to photos 01 – 13.**
2. As a general note, Contractor shall thoroughly inspect and repair all cracks and chips in the newly installed rock wall. **Refer to photos 14 – 17.**
3. As a general note, Contractor shall verify that all the new pipe crossings for drainage at the sidewalk are installed. **Refer to photo 18.**
4. Contractor shall verify that hardscape is flush with adjacent structures throughout the area and with sidewalk to avoid tripping hazards. **Refer to photo 19, 20.**
5. Contractor shall cut and remove exposed wire from the sidewalk and patch with approved epoxy cement matching new concrete color. **Refer to photo 21.**
6. As a general note, Contractor shall clean up asphalt where it spilled over adjacent concrete. **Refer to photo 22.**
7. Contractor shall install end treatments as per Construction Documents. **Refer to photo 23.**
8. Contractor shall verify that all new reflectorized red curb paint has been installed per Construction Documents.
9. Contractor shall complete installation of new fence/gate, as shown on the Construction Documents.

All demolition, repairs, and/or replacements shall be performed by the Contractor at no additional cost to Owner and in full compliance with the Construction Documents. Disposal of materials shall be off-site in approved areas. Replacements and/or repairs shall be performed based on industry standards, acceptable methods, and good construction practices and to the full satisfaction of the Project Civil Engineer.

In addition to addressing the aforementioned items, the contractor shall provide a detailed account of all revisions and modifications performed during the construction phase of the project. These revisions and modifications shall be incorporated into the "Record Drawing" documentation.

Should you have any questions, comments or require additional information please do not hesitate to contact our office.

Sincerely,



**Robert A. Gonzales, PE, CNU-A**  
President

RAG/wb

Attachments

**Bobby Joe Hill PK-8  
Substantial Completion Punchlist Walkthrough  
January 09, 2024**



**Photo 01**



**Photo 04**



**Photo 02**



**Photo 05**



**Photo 03**



**Photo 06**

**Bobby Joe Hill PK-8  
Substantial Completion Punchlist Walkthrough  
January 09, 2024**



**Photo 07**



**Photo 10**



**Photo 08**



**Photo 11**



**Photo 09**



**Photo 12**



**Photo 13**



**Photo 16**



**Photo 14**



**Photo 17**



**Photo 15**



**Photo 18**

**Bobby Joe Hill PK-8  
Substantial Completion Punchlist Walkthrough  
January 09, 2024**



**Photo 19**



**Photo 22**



**Photo 20**



**Photo 23**



**Photo 21**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Discuss and Take Appropriate Action on Selection of Delegate and Alternate to 2024 TASA/TASB Conference*

**JUSTIFICATION STATEMENT:**

(The Delegate Assembly is the foundation of TASB's governance structure and provides critical direction as TASB represents members' interest before state and national policymakers)

**PURPOSE OF AGENDA ITEM:** Action

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Board Members

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

The Board is asked to select a delegate and an alternate to represent the EPISD at the 2024 Delegate Assembly during the TASA/TASB txED CON 24 Annual Convention on September 28, 2024, in San Antonio, Texas. The Delegate Assembly is where Trustees lay the groundwork for how to tackle the tough legislative issues for our schools.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

It is recommended that the Board designate \_\_\_\_\_ as its delegate and \_\_\_\_\_ as its alternate to the 2024 Texas Association of School Boards (TASB) Delegate Assembly on September 28, 2024.

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**

**ATTACHMENTS:**

- Description
- ☐ Delegate Information

# Discover the Delegate experience.

# 3



## The role of a Delegate

TASB's Delegate Assembly is the once-a-year opportunity for TASB members to have a voice in the overall direction of the Association. Each Active Member sends a Delegate to participate in the Assembly. This ensures that every school and education service center board that is a TASB Active Member has a vote on the issues under consideration.

***" Make sure that the person representing has reviewed the resolutions and talked to the board and superintendent about issues affecting their district."***

***- Josie Smith-Wright  
Gonzales ISD***

As your board's representative, you serve as the voice not just for your board, but also your district, your students, and your community.

Here are the key things you need to know to prepare for your role as a Delegate.



## 20 days before the assembly

The *Delegate Handbook* and Nominations Committee Report will be posted in early September. These materials cover the action items under consideration by this year's Assembly. You will receive an email when the materials are available. Then, it's time to prepare for the meeting.

- 1. Review the materials.** Make sure you are familiar with all the items under consideration.
- 2. Come prepared to share your district's voice.** Work with your fellow board members to determine how your board stands on the action items and if you have concerns to take to the Assembly.
- 3. Study the Delegate Assembly rules and Action Form.** Like any governing body, there are rules and processes to ensure a productive meeting.
- 4. Watch your mail!** You will receive an envelope with your Delegate ribbon, which you can attach to your name badge when you arrive at the txEDCON. This ribbon will grant you access to all of the Delegate Assembly activities.

# Discover the Delegate experience.

Step 3 continued



## Day of the assembly

### 12:30-1:30 p.m., Regional Caucus:

You will start your Delegate duties by attending your regional caucus. This is a great opportunity to meet with colleagues from your region, including your TASB Directors. You will discuss the agenda items and get answers to any questions you may have about the Assembly and processes.

Lunch will be provided!

**1:45 p.m., Action Forms:** You may use the Action Form at the back of the *Handbook* to pull items for individual consideration or to propose an amendment to an item. The forms must be turned in to the Information Center near the Assembly floor entrance by 1:45 p.m.

**2-4:30 p.m., Assembly:** The Assembly will convene promptly at 2 p.m. You should plan to arrive by 1:45 p.m. so you can find your section on the floor, which is divided by TASB region. TASB staff members, holding red clipboards, are assigned to each area to check you in and assist you during the meeting.

---

*“ At the caucuses, you get to meet other school board members from your region — and maybe do a little bragging about your sport teams!”*

*– Fred Contreras  
Grape Creek ISD*

---



## But what about...?

If you have any questions about Delegate Assembly, we are here to help! Your TASB Directors will be with you every step of the way, leading your regional caucus and sitting near you on the Assembly floor. TASB staff will be stationed at the Information Center near the main entrance of the Assembly floor from noon until the end of the meeting.

If you have questions before the meeting, contact the TASB Board and Management Services team at **800-580-8272** or [membercommunications@tasb.org](mailto:membercommunications@tasb.org).

**Your Association.  
Your Voice.**

**TASB Delegate  
Assembly**

 [tasb.org/delegate](https://tasb.org/delegate)





**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Overview of 2024-2025 Equity Based Budget Allocations and Behavioral Health Benefits Utilization*

**JUSTIFICATION STATEMENT:**

(To provide overview of District programming and services for the 2024-2025 school year)

**PURPOSE OF AGENDA ITEM:** Information

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:** Other

**STAFF RESPONSIBLE:** Al Garcia/Patricia Cortez/Martha Aguirre

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

*Strategic Lever V: Equity by Design - El Paso ISD champions a targeted approach to universal access and system equity.*

**SUMMARY:**

As a result of the Board Budget Workshop discussion, Administration will provide additional information on the following topics:

- Overview of the proposed 2024-2025 equity-based allocations with strategic focus and prioritization of student needs.
- Report on behavioral health benefits utilization and resources provided to District employees.

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- IMMEDIATE:
- FUTURE/ONGOING:

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**



**Board of Trustees**  
**Executive Summary of Board Agenda Item**

---

**TITLE:**

*Overview of Future Board Meeting Agenda Items*

**JUSTIFICATION STATEMENT:**

(To provide an overview of future Board Meeting agenda items)

**PURPOSE OF AGENDA ITEM:** Information

**TO BE HELD IN:** Open Session

**TEXAS GOVERNMENT CODES:**

**AUTHORITY FOR ACTION:**

**STAFF RESPONSIBLE:** Superintendent Diana Sayavedra

**DISTRICT IMPROVEMENT PLAN OBJECTIVE, GOAL OR NEED ADDRESSED:**

**SUMMARY:**

**JUNE 2024**

Special Board Meeting on June 24 to Adopt Compensation and Budget  
Superintendent's Formative Evaluation

**JULY 2024**

No Board Meeting

**AUGUST 2024**

Reports

- Bond Construction Quarterly Report
- Facilities and Construction Quarterly Report
- Public Meeting to Discuss the 2024-2025 District Proposed Tax Rate (Maintenance & Operations and Debt Service)

Discussion and Possible Action

- Annual Maximum Class Size Exception Waivers to TEA
- Approval of Expenditures of UIL Approved Sports Officials Organizations
- Internal Auditor's Performance (Formative/ Summative) Evaluation
- Adoption of Tax Rate for the El Paso Independent School District for Tax Year 2024

**SEPTEMBER 2024**

Reports

- Fourth Quarter Financial Reports for Fiscal Year 2023-2024

Action Items

- Approval of Authorized Sellers of Investments and Providers of Investment Officer Training for Fiscal Year 2024-2025
- Review of the Annual Investment Report and Adoption of Investment Policy Review Resolution

**ADMINISTRATIVE RECOMMENDATION/MOTION:**

**FUNDING SOURCE: ACCOUNT NO.:**

**FISCAL IMPACT AND COST:**

- **IMMEDIATE:**
- **FUTURE/ONGOING:**

**IMPACT ON OTHER FUNCTIONS/OPERATIONS:**

**CONSEQUENCES OF NON-APPROVAL:**

**IMPLEMENTATION TIMELINE:**

**COMMENTS RECEIVED, IF ANY:**