



**Mission Consolidated Independent School District**

- 1201 Bryce Drive, Mission, Texas 78572
- Telephone: (956) 323 5505 Fax: (956) 323 5634
- Website: [www.mcisd.net](http://www.mcisd.net)

## *Notice and Agenda*

The Board of Trustees of the Mission Consolidated Independent School District will hold a **Regular Meeting on Wednesday, January 19, 2022, at 6:30 PM** in the **Mission CISD Annex, 925 E. Business HWY. 83, Mission, Tx 78572**. At this meeting, the Board may deliberate or act on any of the subjects listed on the following agenda. The President may change the order of items listed below for the convenience of the Board.

### **A G E N D A**

- I. Call to Order and Establish Quorum**
- II. Pledge of Allegiance and Moment of Silence**
  - 1. U. S. Flag and Texas Flag -**
  - 2. Mission Vision Statement -**
- III. Comments from the Public**
- IV. Public Comment(s) on Specific Agenda Item(s)**
- V. Superintendent's Updates and Recognitions**
- VI. Discussion and Possible Action**
  - 1. Award Purchase of Renaissance Learning - Renaissance myON Reader Program for Requesting Campuses** 4
  - 2. Consideration and Approval of Administrations Rankings and Enter Into Negotiations in the Order of Ranking for the Field Events for the Middle School Project** 11
  - 3. Consideration and Approval of Change Order(s) for the Tom Landry Stadium Repairs Project** 14
  - 4. Consideration and Possible Action Regarding Substitute Teacher Pay** 35
  - 5. Consider Superintendent's Evaluation, Contract, and Compensation**
- VII. Recommendation(s)**
  - 1. Approval of the Selection for:**
    - a. Leal Elementary Assistant Principal**
    - b. Licensed Specialist in School Psychology**
    - c. Educational Diagnostician in Special Education**
- VIII. Items to Consider: The Board will consider and may act on the following items under a CONSENT AGENDA. Any Trustee may request the removal of an item from the CONSENT AGENDA for individual consideration and action.**

1. Approval to Accept Final Completion for the Security Vestibules Project at Alton Memorial Jr. High, K. White Jr. High, Pearson Elementary & Roosevelt Alternative	36
2. Approval to Accept Final Design for the Child Nutrition Program Walk-in Freezers for Bryan, Marcell and Salinas Elementary Project	41
3. Approval to Accept Final Design for the K. White Jr. High and R. Cantu Jr. High Scoreboard Project	64
4. Approval to Accept Substantial Completion for the Canopies and Sidewalks at the Mission High School Special Education 18+ Program	77
5. Second Reading and Adoption of TASB-Policy Update 118, affecting local policies:	83
a. CFD(LOCAL) ACCOUNTING: ACTIVITY FUNDS MANAGEMENT	
b. CQB(LOCAL) TECHNOLOGY RESOURCES: CYBERSECURITY	
c. DFE(LOCAL) TERMINATION OF EMPLOYMENT: RESIGNATION	
d. DP(LOCAL) PERSONNEL POSITIONS	
e. EHAA(LOCAL) BASIC INSTRUCTIONAL PROGRAM: REQUIRED INSTRUCTION (ALL LEVELS)	
f. EHBC(LOCAL) SPECIAL PROGRAMS: COMPENSATORY/ACCELERATED SERVICES	
g. EIE(LOCAL) ACADEMIC ACHIEVEMENT: RETENTION AND PROMOTION	
h. FDE(LOCAL) ADMISSIONS: SCHOOL SAFETY TRANSFERS	
i. FEA(LOCAL) ATTENDANCE: COMPULSORY ATTENDANCE	
j. FEC(LOCAL) ATTENDANCE: ATTENDANCE FOR CREDIT	
k. FFG(LOCAL) STUDENT WELFARE: CHILD ABUSE AND NEGLECT	
l. FL(LOCAL) STUDENT RECORDS	
6. Approval of Order of General Election for May 7, 2022, Mission CISD Board of Trustees Election	107
7. Approval of Donations	110
IX. Executive Session	
1. Private Consultation with Board Attorney (Texas Gov't Code §551.071)	
2. Deliberate the Appointment, Employment, Evaluation, Reassignment, Duties, Discipline, or Dismissal of a Public Officer or Employee or to Hear a Complaint or Charge Against an Officer or Employee (Texas Gov't Code §551.074)	
X. Action, if Necessary, on Matters Discussed in Executive Session	
XI. Board of Trustees Information Items	
1. Personnel Employments, Resignations, Transfers and Compensation Changes	112
2. Financial Reports for the Month of November 2021	
a. General Funds and Debt Service	113
b. Self-Funded Health Insurance Fund	116
3. Tax Levy Adjustments for the Month of November 2021	122
4. Disbursements for the Month of November 2021	127
XII. Important Dates to Remember	
1. February 2, 2022 Board of Trustees Workshop at 6:30 p.m.	
2. February 9, 2022 Regular Board of Trustees Meeting at 6:30 p.m.	
XIII. Adjournment	

**In accordance with the Texas Open Meetings Act, the Board may enter into a closed meeting to deliberate any item that is listed above that fits within an exception listed in Subchapter D. Any final action, decision, or vote on a subject deliberated in closed meeting will be taken in an open meeting held in compliance with the Texas Open Meetings Act.**

**This Notice was posted by 3:00 p.m., on January 15, 2022**

  
\_\_\_\_\_  
**Dr. Carol G. Perez, Superintendent of Schools  
Mission Consolidated Independent School District**

**SUBJECT:** Award Purchase of Renaissance Learning - Renaissance myON Reader Program

**PRESENTER:** Dr. Sharon Roberts, Deputy Superintendent for Curriculum and Instruction

### **BACKGROUND INFORMATION**

On September 8, 2021, the Board of Trustees approved the purchase of Reading Renaissance-Accelerated Reader Program from Renaissance Learning. Renaissance myON Reader is an additional program offered by Renaissance Learning. It is a student-centered, personalized literacy environment that gives students access to thousands of enhanced digital books. Titles are matched to each individual student's interests, grade and reading level. Real Time data is available to help teachers monitor each student's growth, guide students to appropriate books and target instruction for their skill level. Close reading tools and embedded supports such as text to speech are available. The program seamlessly blends with Accelerated Reader.

From October to December 2021, Mission CISD participated in a pilot for myON. During that time, Mission CISD students read 46,983 books and read for 12,438 hours. Campuses that have expressed interest in purchasing myOn Reader are Bryan Elementary, Cavazos Elementary, Escobar/Rios Elementary, Marcell Elementary, Midkiff Elementary, O'Grady Elementary, Salinas Elementary, Waitz Elementary, Alton Memorial Jr. High, K. White Jr. High, Mission Jr. High, and R. Cantu Jr. High.

### **ADMINISTRATIVE CONSIDERATIONS**

The purchase will be made using BuyBoard inter-local purchase co-op. Using an inter-local purchase co-op complies with purchase requirements of TEC 44.031a(5) and local board policy requiring an approved purchasing method for contracts valued at \$50,000 or more.

### **FUNDING SOURCE/AND AMOUNT**

State and Federal Funds

Approximate \$79,488

### **RECOMMENDATION**

Administration recommends approval of Renaissance myON Reader Program purchase from Renaissance Learning for the remainder of the 2021-2022 school year.

### **CONTACT PERSON(S)**

Dr. Sharon Roberts, Deputy Superintendent for C&I  
Kim Risica, Executive Director for Special Programs and School Improvement  
Marissa Saenz, Director for Instructional Technology and Library Services  
Dora Garcia, Coordinator for Purchasing

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 Phone: (800) 338-4204 | Fax: (877) 280-7642  
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**Mission Consolidated ISD - 239107**

Reference ID: 575451

1201 Bryce Dr  
 Mission, TX 78572-4311  
 Contact: Marissa Saenz - (956) 323-5500  
 Email: [misaenz14@mcisd.org](mailto:misaenz14@mcisd.org)

Quote Summary	
School Count: 12	
Renaissance Products & Services Total	\$86,400.00
Applied Discounts	\$(6,912.00)
Shipping and Processing	\$0.00
Sales Tax	\$0.00
<b>Grand Total</b>	<b>USD \$79,488.00</b>

**This quote includes: myON.**

To receive applicable discounts, all orders included on this quote must be received at the same time.

By signing below, you

- agree that this Quote, any other quotes issued to you during the Subscription Period and your use of the Applications, the Hosting Services and Services are subject to the Renaissance Terms of Service and License located at <https://doc.renlearn.com/KMNet/R62416.pdf> which are incorporated herein by reference;
- consent to the Terms of Service and License; and
- consent to the collection, use, and disclosure of the personal information of children under the age of 13 as discussed in the applicable Application Privacy Policy located at <https://www.renaissance.com/privacy/>.

To accept this offer and place an order, please sign and return this Quote.

Renaissance will issue an invoice for this Quote on the earlier of (a) the date You specify below or (b) the day before Your Subscription Period starts (Invoice Date). If You require a purchase order, You agree to provide one to Renaissance at least 15 days before the Invoice Date. You also agree to pay the invoice within 30 days of the Invoice Date.

Please check here if your organization requires a purchase order prior to invoicing: [  ]

Renaissance Learning, Inc.	Mission Consolidated ISD - 239107
	By:
Name: Ted Wolf	Name:
Title: VP - Corporate Controller	Title:
	Date:
	Invoice Date:

Email: [electronicorders@renaissance.com](mailto:electronicorders@renaissance.com)

If your billing address is different from the address at the top of this Quote, please add that billing address below.

Bill To:

If changes are necessary, or additional information is required, please contact your account executive Holly Lehman at (866)846-0757, Thank You.

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All quotes and orders are subject to availability of merchandise. Professional development expires one year from purchase date. Alterations to this quote will not be honored without Renaissance approval. Please note: Any pricing or discount indicated is subject to change with alterations to the quote. Tax has been estimated and is subject to change without notice. Unless you provide Renaissance with a valid and correct tax exemption certificate applicable to your purchase of product and the product ship-to location, you are responsible for sales and other taxes associated with this order.

United States government and agency transactions into Arizona: The Tax or AZ-TPT item(s) listed on this quote and subsequent invoice(s) is a charge to recover the cost of the Arizona Transaction Privilege Tax ("TPT"). The incidence of the TPT is on Renaissance Learning for the privilege of conducting business in the State of Arizona. Since the tax is not directly imposed on the United States, the constitutional immunity of the United States does not apply.

Hawaii residents only: Orders shipped to Hawaii residents will be subject to the 4.166% (4.712% O'ahu Is.) Hawaii General Excise tax. United States government and agency transactions into Hawaii: The Tax or General Excise Tax item(s) listed on this quote and subsequent invoice(s) is a charge to recover the cost of the Hawaii General Excise Tax. The incidence of the General Excise Tax is on Renaissance Learning for the privilege of conducting business in the State of Hawaii. Since the tax is not directly imposed on the United States, the constitutional immunity of the United States does not apply.

New Mexico residents only: Orders shipped to New Mexico residents will be subject to the 5.125% (Location Code: 88-888) Gross Receipts tax. United States government and agency transactions into New Mexico: The Tax or Gross Receipts Tax item(s) listed on this quote and subsequent invoice(s) is a charge to recover the cost of the New Mexico Gross Receipts Tax. The incidence of the Gross Receipts Tax is on Renaissance Learning for the privilege of conducting business in the State of New Mexico. Since the tax is not directly imposed on the United States, the constitutional immunity of the United States does not apply. Starting July 1, 2021 New Mexico requires sellers to collect tax on the state and local rate. This varies depending on the city and county.

Students can become their most amazing selves – only when teachers truly shine. Renaissance amplifies teachers' effectiveness in the classroom – transforming data into actionable insights to improve learning outcomes. Remember, we're here to ensure your successful implementation. Please allow 30-90 days for installation and set-up.

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### Quote Details

#### Alton Memorial Jr. High School - 1522043

Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	880	\$11.25	\$(792.00)	\$9,108.00
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)		1	\$0.00	\$0.00	\$0.00
<b>Alton Memorial Jr. High School Total</b>				<b>\$(792.00)</b>	<b>\$9,108.00</b>

#### Bryan Elementary School - 371039

Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	700	\$11.25	\$(630.00)	\$7,245.00
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)		1	\$0.00	\$0.00	\$0.00
<b>Bryan Elementary School Total</b>				<b>\$(630.00)</b>	<b>\$7,245.00</b>

#### Escobar/Rios Elementary School - 2480296

Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	450	\$11.25	\$(405.00)	\$4,657.50
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)		1	\$0.00	\$0.00	\$0.00
<b>Escobar/Rios Elementary School Total</b>				<b>\$(405.00)</b>	<b>\$4,657.50</b>

#### Kenneth White Jr High School - 239085

Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	950	\$11.25	\$(855.00)	\$9,832.50
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)	7	1	\$0.00	\$0.00	\$0.00

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<b>Kenneth White Jr High School Total</b>	<b>\$(855.00)</b>	<b>\$9,832.50</b>
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### Leo Marcell Elementary School - 355445

Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	430	\$11.25	\$(387.00)	\$4,450.50
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)		1	\$0.00	\$0.00	\$0.00
<b>Leo Marcell Elementary School Total</b>				<b>\$(387.00)</b>	<b>\$4,450.50</b>

### Midkiff Elementary School - 1522042

Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	720	\$11.25	\$(648.00)	\$7,452.00
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)		1	\$0.00	\$0.00	\$0.00
<b>Midkiff Elementary School Total</b>				<b>\$(648.00)</b>	<b>\$7,452.00</b>

### Mission Junior High School - 371040

Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	900	\$11.25	\$(810.00)	\$9,315.00
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)		1	\$0.00	\$0.00	\$0.00
<b>Mission Junior High School Total</b>				<b>\$(810.00)</b>	<b>\$9,315.00</b>

### O'Grady Elementary School - 239137

Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	475	\$11.25	\$(427.50)	\$4,916.25
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)	8	1	\$0.00	\$0.00	\$0.00
<b>O'Grady Elementary School Total</b>				<b>\$(427.50)</b>	<b>\$4,916.25</b>

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Rafael Cantu Junior High School - 2480349					
Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	765	\$11.25	\$(688.50)	\$7,917.75
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)		1	\$0.00	\$0.00	\$0.00
<b>Rafael Cantu Junior High School Total</b>				<b>\$(688.50)</b>	<b>\$7,917.75</b>

Raquel Cavazos School - 1694834					
Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	540	\$11.25	\$(486.00)	\$5,589.00
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)		1	\$0.00	\$0.00	\$0.00
<b>Raquel Cavazos School Total</b>				<b>\$(486.00)</b>	<b>\$5,589.00</b>

Salinas Elementary School - 732348					
Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	375	\$11.25	\$(337.50)	\$3,881.25
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)		1	\$0.00	\$0.00	\$0.00
<b>Salinas Elementary School Total</b>				<b>\$(337.50)</b>	<b>\$3,881.25</b>

Waitz Elementary School - 239121					
Products & Services	Subscription Period	Quantity	Unit Price	Discount	Total
<b>Applications</b>					
myON Student Subscription	01/01/2022 - 09/30/2022	495	\$11.25	\$(445.50)	\$5,123.25
<b>Professional Services</b>					
Renaissance Smart Start Product Training (included with purchase)		1	\$0.00	\$0.00	\$0.00
<b>Waitz Elementary School Total</b>				<b>\$(445.50)</b>	<b>\$5,123.25</b>

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**SUBJECT:** Consideration and Approval of Administrations Rankings and Enter Into Negotiations in the Order of Ranking for the Field Events for the Middle School Project

**PRESENTER:** Ricardo Rivera, Assistant Superintendent for Operations

**BACKGROUND INFORMATION**

The Athletic Department and Administration is requesting track and field long jump and triple jump runways at all four of our middle schools. These runways will benefit our Jr. High athletes the opportunity for very much needed practice runs. When traveling to our High Schools for practice to utilize those runways it significantly limits both our HS and JH jumpers practice run-throughs. Civil engineering will be required for this project. Depending on the recommended locations additional civil engineering services may be required for drainage purposes.

Administration will use competitive sealed proposals (CSP's) as the procurement method as approved by the Board of Trustees in the February 2021 Board of Trustees meeting. This method was approved as the primary default method for projects.

Administration used the on-call professional services agreement for the project assessment. Javier Hinojosa Civil Engineering's estimated project cost is \$269,168.

At the Regular Board meeting held on August 11, 2021 the Board approved Utilizing the On-call Professional Services for the Field Events for the Middle School Project – Javier Hinojosa Civil Engineering.

At the Regular Board meeting held on October 20, 2021, the Board approved Schematic Design for the Field Events for the Middle School Project. Designs have been reviewed, approved and signed-off by each campus Principal and Coach Ibarra, Athletic Director.

**ADMINISTRATIVE CONSIDERATIONS**

Advertisements in the local newspapers were posted on December 08, 2021 and December 15, 2021. The process is for the submittals to be reviewed by the Purchasing Department Staff and the Administration Ranking Team to assure that firms meet the criteria based on demonstrated expertise, competence and qualifications. Pre-ranking is scheduled for Friday, January 07, 2022. After the review Administration will then recommend those firms to be reviewed and ranked in order of selection. The recommendations will then be presented for approval to the Board of Trustees and Administration will then enter into negotiations in the order of selection.

**FUNDING SOURCE**

General Funds/Athletic Fund

Est. Project Budget:	\$269,168.00
Project Contingency 20%:	\$ 53,833.60
Est. Professional Services 12%:	<u>\$ 32,300.16</u>
Est. Total Project Cost:	\$355,301.76

**RECOMMENDATION**

This agenda item was presented at the Board of Trustees Workshop on Wednesday, January 12, 2022.

Administration presents Consideration and Approval for Administrations Rankings and Enter Into Negotiations in the Order of Ranking for the Field Events for the Middle School Project

Company:	Proposal:	Days:	Points:
Teni-Trak	\$231,900.00	90	99.5
Hellas Const.	\$529,278.00	90	78.3

**EXHIBIT**

Ranking Sheet – Attached

**CONTACT PERSONS**

Ricardo Rivera, Assistant Superintendent for Operations

Dora Garcia, Coordinator for Purchasing

Adrian Hernandez, Coordinator for Project & Energy Management

Mission Consolidated Independent School District  
 Junior High Long Jump Runway Improvements CSP # 500-22-1  
 Bid Ranking - January 7, 2022

<b>Contractors</b>		Teni-Trak	Hellas
<b>Proposal Submission</b>			
	Complete Proposal	x	x
	Bid Bond - 00410	x	x
CRITERIA		Max Points	
<b>Monetary Value - 35 points</b>			
1	Base Proposal and/or Alternate(s) selected by Owner. Based on proposals submitted, including any alternates and/or pricing differential.	35	35.0
	Total Base Bid		\$ 529,278.00
	Days of Completion		90
<b>Qualifications and Reputation - 20 points</b>			
2	Contractor's length of time in the construction business.	7	7
3	Contractor's past relationship with other clients on similar projects. Provide three (3) letters of reference from Owners identified in the lists of projects completed within the past five (5) years of similar scope and size.	5	5
4	Address history and procedure for assuring timely payment to sub-contractors and suppliers. Provide three (3) letters of reference from major suppliers and sub-contractors which specifically address the proposer's history of paying sub-contractors and material providers on time.	2	2
5	Prior experience with architectural and/or engineering firms. Provide a letter of reference from an Architectural or Engineering firm addressing the contractor's history of providing detailed documentation and a fair assessment of change order pricing.	2	2
6	List all claims, judgments, arbitration proceedings or suits pending or outstanding <b>against your company for its officers</b> . If any, please summarize the nature of these claims.	2	2
7	List all claims, judgments, arbitration proceedings or suits that your company or its officers has filed <b>against a school district</b> within the past ten (10) years?. If so, please summarize the nature of these claims.	2	2
<b>Experience with Similar Projects - 15 points</b>			
8	Contractor's experience with <b>school district</b> projects of similar size, type and complexity. List school district projects completed within the past five (5) years of similar scope and size.	10	10
9	Contractor's experience with projects of similar size, type and complexity. List all other projects completed within the past five (5) years of similar scope and size <b>other than the ones listed above</b> .	5	5
<b>Key Personnel and Workforce - 8 points</b>			
10	Qualifications and availability of contractor's personnel. Provide the names and a brief summary of experience or resume of key supervisory personnel to be assigned to the project. Provide history of maintaining assigned personnel for the duration of project.	5	5
11	Contractor's proposed sub-contractors. Provide a list of the sub-contractors that will be assigned to this project.	3	3
<b>Past Performance with District - Quality of Work and Adherence to Contract Terms - 10 points</b>			
12	List projects completed or in progress for Mission CISD.	10	9
<b>HUB Certification - 0.5 points</b>			
13	Provide documentation to assist compliance with laws and rules relating to Historically Underutilized Businesses.	0.5	0
<b>Proposed Schedule for Construction - 5 points</b>			
14	Contractor's ability to adhere to construction schedule. Provide proposed schedule of construction from commencement through substantial and final completion.	5	5
<b>Financial Strength of Company - 2 points</b>			
15	Provide a letter from your bonding company addressing the points listed in the item 15 of the Contractor's Information Statement Form.	1	1
16	Provide a bank letter of reference with regards to the company's financial strength.	0.5	0.5
17	Provide a statement attesting if the company or company's principals under other company names ever filed for bankruptcy.	0.5	0.5
<b>Thoroughness of Bid Submission and Quality of Presentation - 4.5 points</b>			
18	Provide the Contractor's Checklist, including the documents required and the copies in the order requested. Contractor must submit everything required in project specifications including Contractor's Information Statement.	4.5	4
Total Points		<b>100</b>	<b>99.5</b>
Rank (1 is Highest)		1	2

**Committee Members:**

Ricardo Rivera, Assistant Superintendent for Operations  
 Adrian Hernandez, Coordinator for Projects and Energy Management  
 Adan Rivera, Assistant Coordinator for Maintenance  
 Dora Garcia, Purchasing Coordinator  
 Daisy Cuevas, Purchasing Specialist

**SUBJECT:** Consideration and Approval of Change Order(s) for the Tom Landry Stadium Repairs Project

**PRESENTER:** Ricardo Rivera  
Assistant Superintendent for Operations

**BACKGROUND INFORMATION**

**STADIUM:**

Tom Landry Stadium was built in approximately 1976 and additional seating was installed in approximately 1989. It currently has only four (4) handicap seating spaces on both the home and visitors' side. The home side has a seating capacity for 5000 persons and the visitor's side has a seating capacity for 4000 persons.

At the Regular Board of Trustees meeting held on Wednesday, August 11, 2010 the Board approved a structural assessment to be conducted by Rick Hinojosa Structural Engineering. A report was completed on August 27, 2010. No further action was taken.

At a football game on September 26, 2013 and at the Regular Board of Trustees meeting of Wednesday, October 09, 2013, a concerned citizen brought to attention the fact that Tom Landry Stadium was not in compliance with the American Disabilities Act (ADA) current code concerning the required handicap seating spaces. As per ADA the breakdown for seating is 6 spaces for 1 – 500 seats then 1 seat for every 150 additional seats. As per calculations required additional seating on the home side will be 36 ADA seats and, on the visitors, side will be an additional 30.

On October 08, 2013 I contacted Mr. Tim Petty, Program Specialist V with the Texas Education Agency (TEA) to discuss this issue and he confirmed that we were not in compliance with current codes and standards concerning stadium seating.

At the Regular Board of Trustees meeting held on Wednesday, December 11, 2013 and after consultation with our legal counsel, the Board approved for renovations to the Tom Landry Stadium Press Box and for the additional required ADA stadium seating.

The current press box is approximately 30 years old and has never been renovated. When new bleacher seating was installed the press was moved by crane to its current location. With the installation of a new scoreboard additional staff will need to be placed in the press box to operate the system. Currently approximately nine persons are in the box, however, it is now estimated that up to twenty-two persons may be in the box at any given time. This added weight along with the additional weight of chairs and equipment may cause a stress on the structure. As per our legal counsel, there is no legal law that states that the structure needs to be evaluated, however, for safety precautions

Administration is considering a structural assessment study to be conducted on the press box to ensure that the structure is capable of sustaining the additional weight.

At the Regular Board of Trustees meeting held on Wednesday, March 20, 2013 Administration presented and the Board approved Consideration and Approval to Contract with Rick Hinojosa Engineering for a Re-Assessment of the Tom Landry Stadium Press Box.

At the Regular Board of Trustees meeting held on Wednesday, April 10, 2013 the Board was advised that due to concerns and possible code regulations requiring an elevator to be installed for the press box, inquiries were made to Mr. David Hansen, Legal Counsel. As per building code an elevator is required should the square footage of a press box be larger than 500 sq. ft. Our current press box is approximately 40' X 8' which is 320 sq. ft.. However, should only renovations be required without the addition of sq. footage the initial structural assessment will need to be considered. Furthermore, it is the responsibility of the structural engineer to make the decisions of what is currently within building codes and regulations even if it is only renovations. The possible recommendation of constructing adjacent press boxes may still require an elevator to be installed. The sq. footage requirement applies to the "aggregate" total sq. footage of all press boxes. Again, it will be the responsibility of the structural engineer to make that determination. Renovations to include floor support, the construction of an interior wall, counter tops, sliding windows.

At the February 05, 2014 Facilities Committee meeting, a presentation by Rick Hinojosa Structural Engineering stated that current plans to improve the press box must include the installation of an elevator or a ramp access to the press box as per the State of Texas current code. At this meeting the committee decided to cancel the press box renovation project.

At the Special Board of Trustees Meeting held on Wednesday, April 20, 2016, the Board approved the following:

Administration is again exploring the possibility of a stadium renovation to include a new press box, new reserve section seating with back rests, new concession stands, new concrete base under the bleachers along with new bleachers to meet current ADA rules and regulations. New bleachers to also include those at Leo Najo Baseball Park.

Administration is requesting approval to advertise for Request for Qualifications (RFQ's) for architectural/civil engineer services as the recommended process for the selection.

The ranking of Request for Qualifications responses must be on the basis of demonstrated competence, qualifications, capability to perform, the past performance of the firm and members of the firm, and other appropriate factors submitted by the firm in response to the request for qualifications, except that cost-related or price related evaluation factors are not permitted as provided by Section 2254.004, Government Code.

If approved, Administration will begin advertising for architects and then begin the process of reviewing the firms as per the RFQ's and schedule presentations for the Board to review and possibly select a firm.

Advertisements for Request for Qualifications (RFQ's) for architects were advertised in the local newspaper on Wednesday, June 1<sup>st</sup> and June 8<sup>th</sup>, 2016 along with being posted on the MCISD website. RFQ's were due at Central Office on Thursday, June 23, 2016 at 2:00 p.m...

Three (3) architectural firms submitted an RFQ and they were reviewed for completeness and adherence to the instructions of the request by Mr. Roosevelt Rios, Purchasing

Coordinator and Ms. Tammy Tijerina, Project Manager on Thursday, July 28, 2016. The firms are listed below:

PBK Architects GIGNAC &  
Assoc.  
Alvarado Architects

This agenda item and presentation(s) were originally scheduled for Wednesday, August 03, 2016, however, they were postponed for a later date and time.

At the Facilities/Environment Committee held on Wednesday, August 24, 2016, the three ranked firms were invited to make a presentation to a Special Facilities/Environment Committee meeting and those Board members in attendance. The Committee allowed the firms a 15-minute presentation session along with a 15-minute question and answer session. The Committee along with Mr. Ricardo Rivera evaluated and ranked the firms on the basis of demonstrated competence and qualifications pursuant to the Professional Services Procurement Act as per the presentations. The rankings were then presented at the Special Board of Trustees meeting for consideration and approval for the selection of services.

At the Special Board Meeting held on Wednesday, August 24, 2016, the Board approved the rankings and selection of Alvarado Architects for services for the Tom Landry Stadium Renovations Project.

At the Regular Board Meeting held on Wednesday, September 14, 2016, the Board approved the contract for Alvarado Architects for the Tom Landry Stadium Renovations Project.

At the Regular Board Meeting held on Wednesday, November 09, 2016, the Board approved the project and budget, the procurement method and Alvarado Architects request of Schematic Design and Design Development for the Tom Landry Stadium Renovations Project. Alvarado Architects, District Staff and Coaches have been working on the design due to the extremely tight timeline, this project has to be completed by late July 2017. Current design will have new concession stands, new parking, new parking over-lay where needed, concrete area below home side, new stadium fascia, new complete seating bleachers at both home and visitor side, home side reserved seating to have back rests, seating and ramps to be ADA compliant, new ticket booths, press box with elevator as recommended design, new stadium lighting as required along with other required items needed for the project.

At the Regular Board meeting held on Wednesday, December 14, 2016, the Board approved Alvarado & Associates final design and Approval for 24-inch-Wide Seats in the Reserved Section for the Tom Landry Stadium Renovations Project.

Advertisements in the local newspapers and at the Association of General Contractors Office (AGC) were posted on December 18, 2016 and December 25, 2016 for the new design. A pre-proposal meeting was held on Tuesday, January 10, 2017 at 2:00 P.M. at Central Office.

Proposals were publicly opened on Tuesday, January 17, 2017 at 4:00 P.M. at Central Office. Pre-ranking of the proposals were conducted by Mr. Roosevelt Rios, Mr. Albert Rodriguez and Mr. Adrian Hernandez, Project Manager on Tuesday, January 17 and Wednesday, January 18, 2017.

At the Facilities Committee meeting the Committee reviewed the pre-ranking of firms and then proceeded to officially rank the firm's proposals. These rankings will then be presented to the Board of Trustees for consideration and approval for entering into negotiations in the order of ranking recommended at a special called meeting on Monday, January 23, 2017 at 7:30 a.m.

Pre-ranking of proposals by Administration is merely a district process to pre-check if all requested documents and information in the Request for Proposals (RFP) was submitted prior to the Evaluation and Selection Committee formal evaluation. The pre-ranking of proposals is strictly unofficial. The Request for Proposal (RFP) package includes document CSP – 00350 Evaluation and Selection Criteria for Competitive Sealed Proposals which defines this portion of the procurement process. The District Evaluation and Selection Committee is comprised of three (3) Board of Trustees Facilities Committee Members and one (1) appointed Administration Staff. The Evaluation and Selection Committee will evaluate, rank and publish all proposals. The Evaluation and Selection criteria has been approved by the Mission C. I. S. D.'s Board. Once the M. C. I. S. D. Board of Trustees approves the ranking, the District Evaluation and Selection Committee will then proceed to negotiate a contract with the highest-ranking Proposer.

The Finance department in conjunction with the districts finance consultants have been designing a funding package for this project. In order to ensure this project under this funding source be securely financed Administration is recommending to adjust the contingency budget by an increase of \$2 million. Thus, the total construction budget to include all soft-costs will not exceed \$10 million.

Three proposals were submitted for this project and were ranked by the Facilities Committee as per MCISD guidelines and procedures. The Board must now consider the rankings and approve to enter into negotiations with the top ranked firms in the order selected. Rankings listed below:

<u>Company</u>	<u>Base Proposal</u>	<u>Alt. #1</u>	<u>Days</u>
Holchemont Const. (291)	\$7,463,000.00	(\$287,000.00)	235
E-Con Const. (287.6)	\$7,450,000.00	\$210,000.00	180
Central Builders (260.2)	\$8,000,000.00	\$500,000.00	180

Note:

Alternate #1 is for a larger custom-built press box of which Administration recommends approving. Both E-Con Construction and Central Builders have an additional cost for this alternate, as per Holchemont Construction their base bid includes the larger custom press box. Should MCISD select the smaller pre-fabricated press box Holchemont has a \$287,000.00 deduct from their base bid. The intention is for a notice to proceed (NTP) to be issued on or before February 01, 2017 with a substantial completion date of July 31, 2017, which is 180 days, Holchemont, has a substantial completion date of September 24, 2017. Proposals and days are all prior to negotiations.

At a Special Board of Trustees meeting to be held on Monday, January 23, 2017, the Board will consider and possibly approve the rankings to allow negotiations to begin. It is Administrations intent to bring forward at the Regular Board of Trustees meeting to be held on Wednesday, January 25, 2017 an approval and recommendation for a best and final offer (BAFO) and to enter into contract with the selected general contractor. It is MCISD's construction procurement process to present all items for Facilities Committee discussion prior to presenting to the Board of Trustees for final approval.

At the Regular Board of Trustees meeting held on Wednesday, January 25, 2017, the board approved the best and final offer (BAFO) from Holchemont in the amount of \$7,463,000.00 with alternate #01 custom press box included as part of the contract. Notice to proceed (NTP) was issued on February 02, 2017 with a substantial completion date of August 21, 2017.

At the Regular Board of Trustees meeting held on Wednesday, April 12, 2017, the board approved and pulled the following items:

Consideration and Approval of AEA #01 for CPR #02 to Furnish and Install Sports Lighting for the Tom Landry Stadium Renovations Project.

Sports Lighting Allowance:	\$600,000.00	AEA #01
Sports Lighting:	<u>\$580,392.00</u>	
Balance:	\$ 19,608.00	

Consideration and Approval of AEA #02 for CPR #03 to Furnish and Install a Scoreboard Sound System for the Tom Landry Stadium Renovations Project. Item was pulled for further pricing on additional speakers throughout the stadium.

Consideration and Approval of AEA #03 for CPR #04 to Furnish and Install Football Safety Netting System for the Tom Landry Stadium Renovations Project. Item was pulled due to MCISD having the netting and poles and only required pricing for the installation.

Consideration and Approval of AEA #04R to "Credit" the Allowances for the Tom Landry Stadium Renovations Project. Item was pulled due to other items being pulled thus not being able to present an accurate balance total.

Consideration and Approval of CPR #06 to Change the Size of the Bronze Statue for the Tom Landry Stadium Renovations Project.

Bronze Statue Allowance:	\$ 50,000.00
CPR#06 Bronze Statue:	<u>\$129,400.00</u>
Bronze Statue Allowance Balance:	(\$ 79,400.00)

Due to inclement weather in the month of March Holchemont Construction requested additional delay days, thus, they presented Consideration and Approval of CPR #09 for Seven (7) Delay Days for the Tom Landry Stadium Renovations Project. The new substantial completion date is August 28, 2017.

Administration presented Consideration and Approval of Selection of Color and Pattern for the Reserved Seating on Home Side for the Tom Landry Stadium Renovations Project. The Board approved option #1 alternating colors.

At the Regular Board of Trustees meeting held on Wednesday, May 10, 2017, the Board approved and pulled the following items:

Contingency Allowance:	\$100,000.00
AEA #01 Sports Lighting:	\$ 19,608.00
CPR #6 Bronze Statue:	<u>\$ (79,400.00)</u>
Contingency Balance:	\$ 40,208.00

Consideration and Approval of AEA #03R for CPR #04 to Furnish and Install Football Safety Netting System for the Tom Landry Stadium Renovations Project.

Football Safety Net System Allowance:	\$10,000.00
AEA#03 Football Safety Net System:	<u>(\$ 7,500.00)</u>
Balance:	\$ 2,500.00

Consideration and Approval of CPR #08 to Construct a Riser Room / Fire Pump for the Tom Landry Stadium Renovations Project.

Fire Suppression Pump Allowance Balance:	\$ 50,000.00
CPR # 08 Riser Room:	<u>\$ 110,428.53</u>
Balance:	(\$ 60,428.53)

Contingency Balance:	\$40,208.00
CPR #8 Riser Room:	(\$60,428.53)
Plus, Overhead and Profit	<u>(\$2730.47)</u>
Contingency Balance:	(\$22,951.00)

Due to inclement weather in the month of April and MCISD testing Holchemont Construction requested additional delay days, thus, they presented Consideration and Approval of CPR #09 for Eight (8) Additional Delay Days for the Tom Landry Stadium Renovations Project. The new substantial completion date is September 05, 2017.

Note: The first scheduled football game is for Friday, September 01, 2017 with VMHS vs Harlingen. Substantial completion is granted when the facility can be utilized for its intended use. The City of Mission Fire Marshal must approve the facility to include all fire systems are inspected and tagged "approved" along with all ADA inspections and approvals and to include the inspection and approval of the elevator system and to include any other inspections required. Coaches are working on a Plan "B" should the stadium not be completed on time.

Administration recommended Consideration and Approval of Re-naming for the Tom Landry Stadium Renovations Project as "Tom Landry Hall of Fame Stadium".

Administration recommended Consideration and Approval of Selection of Color for Reserved Seating on Home Side for the Tom Landry Stadium Renovations Project.

Recommendation is based on the colors selected by Coach Detmer, Coach Gilpin, Athletic Director Joe Sanchez and Athletic Director Leticia Ibarra.

Royal Blue

Texas A&M – Maroon

After a lengthy discussion on possible color dis-coloration of the royal blue and maroon seats the Board approved “grey” for the reserved seating.

Alvarado Architects presented a “pose” selection on the statue. At the Facilities Committee meeting held on Wednesday, May 03, 2017, the Committee along with members of the Campus Construction Over-Sight Committee members reviewed and discussed the five (5) options of poses brought forward by Mr. Alvarado. By virtue of the discussion and by show of hands, options #1 and #4 were selected for presentation to the Board. The Board approved Consideration and Approval of Tom Landry Statue Pose for the Tom Landry Stadium Renovations Project Option #1.

At the Facilities/Environment Committee meeting held on Wednesday, June 07, 2017 several CPR’s were presented and discussed. These CPR’s may become change orders should current available allowances not cover the over-budget of the project when it is finalized. MCISD Administration stressed to Alvarado Architects and Holchemont Construction the discontent of change orders and requests for additional construction time. Administration stressed the importance of having the project completed as per the original substantial completion date.

At a Special Board of Trustees meeting held on Wednesday, June 07, 2017, the Board granted Superintendent Dr. Ricardo Lopez authority to approve change orders/change proposal request for the Tom Landry Stadium Renovations Project in the amount not to exceed a total of \$250,000.00. This action was to facilitate the change order/CPR process and not delay the general contractor waiting for a decision.

The following Change Orders/CPR’s were approved by Superintendent Dr. Ricardo Lopez on Wednesday, June 07, 2017:

Supt. Approval Balance:	\$250,000.00
CPR#05R Structural Steel:	\$ 31,824.00 CPR#06R
Bronze Statue Foundation:	\$ 12,161.00 CPR#11 for MEP
changes at the Press Box:	\$ 8,674.00 CPR#14 for HVAC at the Gift
Shop:	\$ 12,268.00 CPR#19 for Additional Gates for Eagle
Drive:	<u>\$ 1,816.00</u>
Supt. Approval Balance:	\$183,257.00

Consideration and Approval of CPR#05R for Structural Steel between Grandstands and Custom Press Box for the Tom Landry Stadium Renovations Project.

Contingency Balance:		(\$22,951.00)
Structural Steel Additions Cost:		<u>\$31,824.00</u>
Contingency Balance:	20	(\$54,775.00)

Consideration and Approval of CPR#06R for Bronze Statue Foundation and Base for the Tom Landry Stadium Renovations Project.

Contingency Balance:	(\$54,775.00)
Bronze Statue Base Foundation Cost:	<u>\$12,131.00</u>
Contingency Balance:	(\$66,906.00)

Consideration and Approval of CPR#11 for MEP changes at the Press Box for the Elevator for the Tom Landry Stadium Renovations Project. Holchemont, LTD is requesting eight (8) additional day, if approved, the new substantial completion date is September 13, 2017. As per Alvarado Architects additional days will not be submitted.

Contingency Balance:	(\$66,906.00)
Electrical at press box Cost:	<u>\$ 8,674.00</u>
Contingency Balance:	(\$75,580.00)

Consideration and Approval of CPR#14 for HVAC at the Gift Shop for the Tom Landry Stadium Renovations Project.

Contingency Balance:	(\$75,580.00)
HVAC at gift shop Cost:	<u>\$12,268.00</u>
Contingency Balance:	(\$87,848.00)

Consideration and Approval of CPR#19 for Additional Gates for Eagle Drive for the Tom Landry Stadium Renovations Project

Contingency Balance:	(\$87,848.00)
Gates at Eagle Drive Cost:	<u>\$ 1,816.00</u>
Contingency Balance:	(\$89,664.00)

At the Regular Board of Trustees meeting held on Wednesday, June 21, 2017, The Board did not approve Consideration and Approval of CPR#20 for Additional Four (4) Rain Days for the Month of May for the Tom Landry Stadium Renovations Project.

\*Note: After meeting with Alvarado Architects and Holchemont LTD, they were advised that Administration will be questioning any further delay days submitted and that Holchemont should continue working on a recovery schedule plan to attempt to bring this project at the initial substantial completion date of August 21, 2017.

The following Change Orders/CPR's were approved by Superintendent Dr. Ricardo Lopez on Thursday, June 29, 2017 in order to have the project continue without contractor delays:

Supt. Approval Balance Granted:	\$183,257.00
CPR#12 Track Timing System:	<u>\$ 45,322.00</u>
Supt. Approval Balance:	\$137,935.00

Change Order Amount to Date:	(\$134,986.00)
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Note: General Contractor has added 12% overhead and profit and 1.5% for project bonding on all change order amounts.

Soil Stabilization Allowance:	\$10,000.00
CPR #16 Soil Stabilization:	<u>\$10,000.00</u>
Balance:	\$ 0.00

Utility Allowance:	\$20,000.00
CPR #21 Boring & Trenching:	<u>\$16,830.00</u>
Balance:	\$3,170.00

At the Special Board of Trustees Meeting to be held on Thursday, July 27, 2017, Administration presented to the Board Consideration and Approval of CPR#15 for Graphics for the Tom Landry Stadium Renovations Project. This amount is to be taken from the graphics allowance already included in the original contract.

Graphics Allowance Balance:	\$100,000.00
Banner system:	(\$ 51,148.50)
Identification signage:	(\$ 26,815.00)
Bleacher section signage:	(\$ 13,625.00)
Traffic signage:	(\$ 2,136.00)
Fire lane striping:	<u>(\$ 3,700.00)</u>
Balance:	\$ 2,575.50

At the Regular Board of Trustees meeting held on Wednesday, August 09, 2017, the Board considered and approved some of the following items:

As per our Legal Counsel, the Board did not need to vote on agenda item, Consideration and Approval of Additional Seven (7) Delay Days for AEA#11 for CPR #21 for the Tom Landry Stadium Renovations Project which was previously denied but being brought forward by Holchemont, LTD. once again for consideration. The Board had stated it would possibly revisit this request and no action was taken.

Consideration and Approval of AEA#12 for CPR #22 for Landscaping and Irrigation for the Tom Landry Stadium Renovations Project.

Landscape/Irrigation Allowance:	\$20,000.00
CPR#22 Landscape & Irrigation:	<u>\$17,383.00</u>
Balance:	\$ 2,617.00

Consideration and Approval of AEA#13 for CPR #24 to Up-grade the Scoreboard System for the Tom Landry Stadium Renovations Project.

Scoreboard Sound System Allowance:	\$55,000.00
CPR#24 Scoreboard System:	<u>\$34,934.00</u>
Balance:	\$20,066.00

Consideration and Approval of CPR #23 for Speaker System for the Tom Landry Stadium Renovations Project. This agenda item<sup>22</sup> was pulled.

At the Regular Board of Trustees meeting held on Wednesday, September 13, 2017, the Board revisited and approved Consideration and Approval of Additional Seven (7) Delay Days for AEA#11 for CPR #21 for the Tom Landry Stadium Renovations Project. As of the date of this Board of Trustees meeting Holchemont LTD will be into possible liquidated damages as per contract of \$1,500.00 per day of not meeting the substantial completion date. Administration brought forward this request, the new substantial completion date is September 12, 2017.

At the Regular Board of Trustees meeting held on Wednesday, October 11, 2017, the Board took the following actions for the following items:

Consideration and Approval of CPR #12R3 for Additional Power for the Tom Landry Stadium Renovations Project. Please note that Holchemont, LTD will require and extra four (4) days. If approved, the new substantial completion date is September 16, 2017. This item was pulled until further review.

Note: MCISD does not agree with this pricing, however, there will be a cost associated with installing conduits within the concrete slab which was done earlier. If the revised pricing is not approved MCISD Maintenance will complete the electrical connections.

Contingency Balance:	(\$134,986.00)
CPR#12R3 for Additional Power:	\$ <u>0.00</u> (Org. price \$10,134.42)
Change Order Amount to Date:	(\$134,986.00)

Consideration and Approval of CPR #12R5 for Additional Cabling for Track Timing System for the Tom Landry Stadium Renovations Project. Please note that Holchemont, LTD will require and extra fourteen (14) days. If approved, the new substantial completion date is September 30, 2017. This item was pulled until further review.

Contingency Balance:	(\$134,986.00)
CPR#12R5 Additional Cabling:	\$ <u>0.00</u> (Org. price \$54,468.65)
Change Order Amount to Date:	(\$134,986.00)

Consideration and Approval of CPR #17 to "Credit" Two (2) Wireless Access Points, Shortel Phone and Video Server for the Tom Landry Stadium Renovations Project. This item was approved.

Contingency Balance:	(\$134,956.00)
CPR#17 "Credit" on Technology:	\$ <u>5,000.00</u> "Credit"
Change Order Amount to Date:	(\$129,986.00)

Consideration and Approval of CPR #18 to "Credit" Fire Alarm and Intrusion Systems for the Tom Landry Stadium Renovations Project. This item was approved.

Contingency Balance:	(\$129,986.00)
CPR#18 "Credit" Fire Alarm System:	\$ <u>2,800.00</u> "Credit"
Change Order Amount to Date:	(\$127,186.00)

Consideration and Approval of CPR #25 to Relocate Cross Bracing at Concession Stands for the Tom Landry Stadium Renovations Project. This item was approved with the cost change to \$5,221.00

Contingency Balance:	(\$127,186.00)
CPR #25 to Relocate Cross Bracing:	\$ <u>5,221.00</u> (Org. price \$10,442.00)
Change Order Amount to Date:	(\$132,407.00)

Consideration and Approval of CPR #26 to Remove and Replace Concrete from the Ramps for the Tom Landry Stadium Renovations Project. Please note that Holchemont, LTD will require and extra two (2) days. If approved, the new substantial completion date is October 2, 2017. This item was pulled, Javier Hinojosa Civil Engineer will take care of this item.

Contingency Balance:	(\$132,407.00)
CPR #26 to Remove and Replace Concrete:	\$ <u>0.00</u> (Org. price \$4,483.25)
Change Order Amount to Date:	(\$132,407.00)

Consideration and Approval of CPR #27 to Add IDF Rack, Quad Receptacles and Data Drops on the Visitor's Side Bleachers for the Tom Landry Stadium Renovations Project. Please note that Holchemont, LTD will require and extra three (3) days. If approved, the new substantial completion date is October 5, 2017. This item was pulled, MCISD will take care of this item.

Contingency Balance:	(\$132,407.00)
CPR #27 to Add IDF Rack:	\$ <u>0.00</u> (Org. price \$18,357.49)
Change Order Amount to Date	(\$132,407.00)

Consideration and Approval of CPR #29 for Additional Eleven (11) Delay Days for the Tom Landry Stadium Renovations Project. If approved, the new substantial completion date is October 16, 2017 pending all other CPR's being submitted. The Board took no action on this item.

Consideration and Approval to Grant Administration Authority to Approve Substantial Completion for the Tom Landry Stadium Renovations Project. Dr. Lopez, Superintendent will have the authorization. This item was approved.

Note: No additional delay days were approved at this meeting. Substantial completion continues to be approximately September 12, 2017.

At the Regular Board of Trustees meeting held on Wednesday, November 08, 2017, the Board took the following actions for the following items:

Consideration and Approval of CCD#01 for CPR#30 for Modifications to the Elevator Equipment Room for the Tom Landry Stadium Renovations Project. No additional days were approved.

Contingency Balance:	(\$132,407.00)
CCD#01/CPR#30 Elevator Equipment Room:	<u>\$ 3,957.00</u>
Change Order Amount to Date	(\$136,364.00)

Consideration and Approval of CPR#31 to "Credit" for Use of Owners Utilities for the Tom Landry Stadium Renovations Project. MCISD presented a "credit" for \$5,900.00, however, Holchemont offered only a credit amount of \$900.00.

Contingency Balance:	(\$136,364.00)
CPR#31 Use of Owners utilities:	<u>\$ 5,900.00 "Credit"</u>
Change Order Amount to Date:	(\$130,464.00)

Consideration and Approval of CPR#32 for HVAC Test and Balance for the Tom Landry Stadium Renovations Project.

Test and Balance Allowance:	\$5,000.00
CPR#32 HVAC Test & Balance:	<u>\$2,500.00</u>
Balance:	\$2,500.00

Consideration and Approval of CPR#33 for Two (2) Additional Fire Extinguishers for the Tom Landry Stadium Renovations Project.

Contingency Balance:	(\$130,464.00)
CPR#33 Fire Extinguishers:	<u>\$ 268.00</u>
Change Order Amount to Date	(\$130,732.00)

At the Regular Board of Trustees meeting held on Wednesday, December 13, 2017, the Board took the following actions for the following items:

Consideration and Approval of CPR #12R3 for Additional Power for the Tom Landry Stadium Renovations Project. This item was approved.

Contingency Balance:	(\$130,732.00)
CPR#12R3 additional power:	<u>\$ 6,327.00</u>
Balance:	(\$137,059.00)

Consideration and Approval of CPR#34 for "Credit" for the VIP Chair Allowance for the Tom Landry Stadium Renovations Project. VIP Chair Allowance "Credit" is \$5000.00. This item was approved.

Discussion and Possible Action on Paving Repair Schedule for the Tom Landry Stadium Renovations Project.

Consideration and Approval for Final Completion, Less Betterment Fund Allowance and Final Payment, Less Liquidated Damages for the Tom Landry Stadium Renovations Project. This item was pulled due to punch list items and other contractual obligations were noncompliance.

At the Regular Board of Trustees meeting held on Wednesday, April 11, 2018 the Board took the following actions for the following items:

Consideration and Approval of CPR#23 for Sound System Raceways for the Tom Landry Stadium Renovations Project. Holchemont LTD is requesting fourteen (14) additional delay days for this work, if approved the new substantial completion date is September 26, 2017.

Contingency Balance:	(\$137,059.00)
CPR#23 for Sound System:	<u>\$ 39,839.37</u>
Balance:	(\$176,898.37)

Consideration and Approval of Grievance Agreement for Use of Owners Utilities for the Tom Landry Stadium Renovations Project. As per the November approved CPR #31, MCISD approved an owner's credit for utility use of \$5,900.00. As per grievance agreement the amount was reduced to \$2,350.00, thus an adjustment needed to be made.

Previous: \$5,900.00  
Final approved as per Grievance: \$2,350.00  
Adjustment: \$3,550.00

Contingency Balance:	(\$180,448.37)
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Discussion and Possible Legal Action Regarding Parking Lot Repairs for the Tom Landry Stadium Renovations Project. At this time the Board invoked the "Self Help Provision" of the contract authorizing Administration to make necessary parking lot repairs utilizing a different contractor.

2GS and Earthworks re-paving Cost: \$24,700.00 - Parking Lot Re-paving completion date was achieved on August 06, 2018.

At the Regular Board of Trustees meeting held on Wednesday, May 08, 2019, the Board took no action on the following item: Consideration and Approval for Final Completion, Less Betterment Fund Allowance and Final Payment, Less Liquidated Damages for the Tom Landry Stadium Renovations Project. At this meeting Administration also recommended to authorize Administration and Dr. Perez to approve final completion at a later time, this was rejected with direction from the Board that they wanted this brought forward when the time came for consideration and approval.

At the Regular Board of Trustees meeting held on Tuesday, June 11, 2019 the Board took the following actions

Administration, Mr. Eli Alvarado, Architect, and Mr. Michael Montalvo, General Contractor have met six times since April 25, 2018 with the latest meeting held on Tuesday, June 04,

2019, to discuss what is required from all parties to bring this project for final recommendation and to possibly come to a mutual agreement and present to the Board of Trustees Consideration and Approval for Final Completion, Less Betterment Fund Allowance and Final Payment, Less Liquidated Damages for the Tom Landry Stadium Renovations Project. At the latest meeting Mr. Montalvo was not able to attend and for many of these meetings Dr. Perez, Superintendent was present. A 1 ½ year warranty project walk-through was conducted as per contract specifications on Friday, May 03, 2019 with Mr. Alvarado, his design staff, Mr. Montalvo, his sub-contractors and MCISD personnel present to identify any warranty items that are still pending and need correction. The meetings that are being conducted are to balance and agree on all financial/accounting matters and pending correction of work if applicable. Any matters that concern additional request for time or matters that may concern any deduction from the remaining balance owed to the contractor such as additional fees/costs or possible liquidated damages incurred the general contractor will need to follow the process as written in his contract.

As noted, Administration and Alvarado Architects believes it has tried, with due diligence, to work on all pending accounting/fiscal matters with Mr. Montalvo, however, we continue to not agree on a mutual amount. Administration presents Discussion with Legal Counsel Regarding Closeout for the Tom Landry Stadium Renovations Project with MCISD processing any possible pay applications to Holchemont Construction with monies being withheld that are not in contention.

Note: Additional structural assessment is continuing by Rick Hinojosa, Structural Engineering and is pending completion. They are pending additional concrete test results.

### **Tom Landry Stadium Project Timeline:**

Notice to Proceed (NTP) – 02/01/2017

Original Substantial Completion Date – 08/21/2017

36 delay days Board approved due to testing, weather, change orders

New substantial completion date – 09/26/2017

Approved substantial completion date – 11/10/2017 (45 days late)

Original Final Completion Date – 12/10/2017

New Final Completion Due Date – 04/20/2018 (131 days late)

Possible LD's for not meeting Subst. Completion: 45 days X \$1,500.00 = \$67,500.00

Possible LD's for not meeting Final Completion: 131 days X \$500.00 = \$65,500.00

Possible LD's for delay in re-paving of parking lot: 7 days x\$500.00 per day = \$3,500.00

Possible LD's Incurred: \$136,500.00

### **Other Possible Fees/Costs:**

Re-paving of parking lot = \$24,700.00

Structural Engineering cursory inspection = \$5,000.00 (Rick Hinojosa, Structural Engineering)

Hinojosa full structural assessment = \$30,000.00 (if applicable)

TDLR re-inspections = \$285.00

Terracon Structural additional services = \$15,000.00  
Pending "credit" for three (3) parking lot poles not installed = \$53,489.08

Approximate Possible Total Amount of addtl. fees/costs: \$128,474.08

Additional Architect Fees: \$85,695.00 (if applicable/pending)

Balance on contract:	\$416,406.11	
Possible LD's:	\$136,500.00	Possible
addtl. Costs:	\$128,474.08	
Possible addtl. Arch. Fees:	\$ 85,695.00	
Paid Holchemont:	\$ 43,189.25	(07/24/19 Pay App. #10 rev.3)

Est. Current Balance on Contract: ~~\$380,251.23~~ as of 04/21/2021 \$347,206.23

Est. Construction Costs:	\$6,000,000.00
Est. Total Construction w/Soft Costs:	\$8,000,000.00

BAFO Const. Cost:	\$7,463,000.00
Change Orders:	<u>\$ 142,020.37</u>
Final Const. Cost:	\$7,605,020.37

Architect Fees:	\$485,095.00	6.5% of Construction Cost
Addtl. Arch. Fees for C/O's:	<u>\$9,231.32</u>	
Architect Fees:	\$494,326.32	(excluding addtl. Fees pending)

At the Regular Board of Trustees meeting held on Wednesday, August 14, 2019 the Board took the following actions.

At this meeting the Mr. Rick Hinojosa Structural Engineering Assessment report was not available for the Board of Trustees to review, however, Administration had preliminary verbal discussions with Hinojosa on what he was to submit, the report was to be finalized on Friday, August 16, 2019. Should the report state that repairs were required Administration presented Consideration and Possible Action Regarding Procurement of Design and Construction Services for the Tom Landry Stadium Repairs in advance.

After conducting field reviews and inspections Mission CISD contracted with Rick Hinojosa Structural Engineering to conduct a third party Visual Cursory Observation on the bleachers for the visitor's side of Tom Landry Stadium. On September 06, 2018 the observation report with conclusions and recommendations was submitted. In brief, Hinojosa stated that the cracked piers did not affect the immediate load carrying capacity of the structure and the stadium could be used. However, the recommendations were to conduct a complete assessment of all piers and repair all necessary items addressed in the complete assessment.

Administration was approved to contract with Hinojosa to conduct a full stadium assessment to include not only concrete piers but to inspect the entire structure of the

stadium. On August 08, 2019, Hinojosa Engineering submitted a preliminary assessment letter for our review noting possible reinforcement required.

On August 16, 2019, Hinojosa Structural Engineering submitted their Visual Structural Condition Assessment of Tom Landry Stadium for our review.

At the September 11, 2019 Regular Board of Trustees meeting and based on Mr. Hinojosa's report, Administration presented Consideration and Approval of Design and Construction Services for the Tom Landry Stadium Repairs.

The Board of Trustees must take the necessary action in accordance with Texas Education Code 44.035 which consisted of the selection/designation of an architect and/or engineer to prepare construction documents for this project. The engineer and/or architect selected or designated will have full responsibility for complying with the Texas Engineering Practice Act (Article 3271a, Vernon's Texas Civil Statutes) or Chapter 478, Acts of the 45th Legislature, Regular Session, 1937 (Article 249a, Vernon's Texas Civil Statutes) as applicable.

If the engineer or architect is not a full-time employee of the District, the Board must select the engineer or architect on the basis of demonstrated competence and qualifications as provided by Section 2254.004, Government Code. The selected architect/engineer along with preparing construction documents will be required to provide MCISD with an estimated project budget.

Current and/or past structural engineers that have worked with MCISD are listed below, the Board of Trustees may select from one of these engineers on the basis of demonstrated competence and qualifications or may direct Administration to seek for Request for Qualifications (RFQ's) on an engineer or architect.

Rick Hinojosa Structural Engineering (conducted assessments)  
Chanin Structural Engineering (original project structural engineer)

The Board of Trustees selected Mr. Rick Hinojosa Structural Engineering to conduct a thorough third-party structural assessment of the Tom Landry Stadium Project.

On or about January 27, 2020, Mr. Hinojosa submitted to Administration a proposal for forensic engineering services from MEG Engineers. The Forensic Engineering Services will include Ground Penetrating Radar (GPR) Scans of one-hundred and fifty-six (156) piers by scanning four (4) grids at each pier location. A grid will consist of a three (3) foot by two (2) foot rectangle made up of thirty-five (35) gridlines spaced at six (6) inches on center. Total linear footage of scanning will be eighteen thousand and ninety-six (18,096) feet. The report will include detailed rebar locations of the piers. The proposal cost for this service was \$56,000.00.

At the Facilities/Environment Committee Meeting of February 05, 2020 this proposal and engineering service was presented and discussed. At this time the decision was made for Administration to proceed with Hinojosa Structural Engineering and MEG Engineers to conduct only seventy-eight (78) GPR Scans on the stadium. These scans would be divided between the home and visitors side piers at a proposal cost of \$34,988.00.

At the Regular Board of Trustees meeting held on April 08, 2020 the Board approved the following, Preliminary reports from both engineering firms indicate that a complete GPR Scan of all piers would be advisable to have a complete pier assessment on the stadium. Thus, Administration recommends Consideration and Approval of Additional Ground Penetrating Radar (GPR) Scans for Piers at the Tom Landry Stadium Bleacher Project. The estimated proposal cost would be the difference from the original proposal to what has been approved for the first phase. Estimated proposal \$21,012.00.

At the Regular Board of Trustees meeting held on September 09, 2020, as an informational Board Item, a presentation was given by Rick Hinojosa Structural Engineering, Mr. Albert Trevino, on the Tom Landry Stadium Renovation Project status. Mr. Trevino reported on the findings for the GPR scans conducted and has stated, "the scans in the report indicate that the majority of the piers do not have pier reinforcement per the shop/erection drawings provided by Sturdy Steel who provided the bleachers".

At the meeting of September 09, 2020, Hinojosa Structural Engineering was to provide a final and complete comprehensive report on the findings and recommendations for correction on all items indicated on the assessment. Findings and recommendations were to include and not limited to the disciplines of Structural, Mechanical, Electrical, Plumbing (MEP) and Civil. At this meeting Hinojosa Structural Engineering was directed to provide this comprehensive report and not only the GPR scans report.

Since this initial directive, Hinojosa Structural Engineering has been contacted both on October and December 2020 for the final report and we continue to have no response. Administration will continue to utilize all avenues to request the final report so that we may move forward with repairs required.

On January 14, 2021, Rick Hinojosa Structural Engineering was sent both an email correspondence and a certified letter requesting his personal appearance at the Wednesday, January 20, 2021 Board of Trustees Work Shop to present the final project findings. At 4:01 p.m. on that day Mr. Hinojosa contacted us that he had a family emergency and would try to attend. With this correspondence he attached "Mission CISD Tom Landry Stadium Ground Penetration Radar (GPR) Scanning Findings Letter". This letter referenced the GPR scanning done at the stadium.

In discussion at the Work Shop of January 14, 2021, the Board instructed our legal counsel to draft a letter to request Mr. Hinojosa's presence and to once again present his findings at the Board Work Shop of Wednesday, February 03, 2021. Legal counsel sent a certified letter and emailed the letter to Mr. Hinojosa's attention on Tuesday, January 26, 2021. My office then proceeded to re-send this letter to Mr. Hinojosa the following day. A "read receipt" message was received from his office on Friday, January 29, 2021 at approximately 12:10 p.m. acknowledging receipt of our request to be present.

At this Work Shop of Wednesday, February 03, 2021, the Board will hear the presentation and may have a question and answer session with Mr. Hinojosa on the findings and recommendations. At this time the Work Shop may have a Discussion and Possible Action to Procure Engineering Services for Analysis and Remediation for the Tom Landry Stadium Project and to Grant Administration Authorization to Procure Services. The

presentation was not held at the Work Shop and was presented at a Special Board of Trustees Meeting after.

At the Special Board of Trustees meeting of Wednesday, February 03, 2021, Mr. Rick Hinojosa presented his "Mission CISD Tom Landry Structural Comprehensive Assessment Report". After discussion with the Board of Trustees and Administration, Mr. Hinojosa was directed to once again present at the Regular Board of Trustees meeting of Wednesday, February 10, 2021. This presentation is to mainly address all the viable options on how to correct the issue of the piers found to be not safe and not constructed as per code as noted in the report and reported by Mr. Hinojosa at the meeting. He is to also present a scope of work and a phasing plan of repairs beginning with the most safety critical items. What will also need to be addressed is if any other areas will be damaged while repairing the piers, such as the flatwork. Each option(s) will need to satisfy all building and structural codes along with satisfying all safety compliance codes. At this meeting Mr. Hinojosa was advised that time was critical for the usage of the stadium since graduation ceremonies have already been scheduled. Mr. Hinojosa stated that plans and specifications should be finalized soon and we may be able to advertise for competitive sealed proposals (CSP's) within the next couple of weeks and possibly have a contractor begin repairs as quickly as the procurement process allows, that is the goal.

The procurement process will be Competitive Sealed Proposals (CSP's) of which the Board adopted as the method of delivery. The Board approved the Hidalgo County Prevailing Wage Rate of which is an exhibit and was attached. The Board also adopted the selection criteria of which proposals are evaluated and ranked. Administration also recommended that the Board authorized the Superintendent to rank the proposals and to negotiate an agreement with the highest ranked contractor.

On February 10, 2021, the Board approved Consideration and Possible Action Regarding Permanent and Emergency Repairs for the Tom Landry Stadium to Include the Wage Rate, Selection Criteria, and Authorization to Dr. Perez as mentioned under the Administrative considerations.

Advertisements in the local newspapers for Competitive Sealed Proposals (CSP's) were posted on March 24, 2021 and March 31, 2021. Proposals were to be opened April 08, 2021 and firms would be able to view remotely. The virtual pre-proposal meeting was Thursday, April 01, 2021 at 2:00 p.m. to allow all prospective contractors the opportunity to ask questions concerning the project plans and specifications.

CSP's were to be submitted on April 8, 2021, and were to be reviewed and ranked by the Administration Committee. This Administrative review was to be presented at the Regular Board of Trustees Meeting of Wednesday, April 14, 2021.

On Wednesday, April 06, 2021 Hinojosa Structural Engineering submitted a recommendation to extend the bid date by two weeks to allow contractors and sub-contractors more time to bid on the project. He also stated that a second pre-bid conference be held followed by a walk-through of the stadium facility. This recommendation was due also to no contractors attending the initial pre-bid conference. This recommendation was presented at the Board of Trustees Work Shop on Wednesday, April 08, 2021.

A second pre-proposal meeting was held on Thursday, April 15, 2021. With the two-week extension proposals were due and publicly opened on Thursday, April 22, 2021 at 2:00 p.m. at the Central Office Board Room. Proposals were reviewed, evaluated and ranked on Monday, April 26, 2021 at 2:00 p.m. by Ms. Rumalda Ruiz, Ms. Dora Garcia, Ms. Lorena Garcia, Mr. Joel Garcia and Mr. Ricardo Rivera with Ms. Daisy Cuevas assisting.

Due to the timeline to begin permanent repairs Administration requested a Special Board of Trustees meeting on Tuesday, April 27, 2021 at 12:00 p.m. at the Central Office Board Room. At this meeting Administration presented and the Board approved Consideration and Approval to Accept Administrations Rankings and Enter Into Negotiations in the Order of Ranking for the Tom Landry Stadium Repairs Project.

**G & G Construction**

Base Bid: \$1,024,850.00 with 210 construction days

Alternate Bird Screen: \$127,000.00 with an additional 45 construction days

TOTAL: \$1,151,850.00 with 255 days from notice to proceed (approx. 8.5 months)

**Terra Fuerte Const.**

Base Bid: \$1,141,000.00 with 180 construction days

Alternate Bird Screen: \$30,000.00 with an additional 30 construction days

TOTAL: \$1,171,000.00 with 210 days from notice to proceed (approx. 7 months)

Project negotiations were scheduled for Wednesday, May 05, 2021 at 10:00 a.m. as per G & G Constructions earliest available meeting date and time. Administration presented Consideration and Approval to Accept the Best and Final Offer (BAFO) and to Enter Into Contract for the Tom Landry Stadium Repairs Project and requested for a Special Board of Trustees meeting following the Board Work Shop to consider action on this item.

The Board of Trustees has the option to accept this BAFO, the initial base proposal, to decline the offer and direct Administration to enter into negotiations with the next contractor or to reject all offers and re-advertise for the project using the same specifications and design or direct the engineer to re-design the project.

At the Special Board meeting held on May 5, 2021, the Board approved G & G Contractors Best and final offer Base Bid: \$1,024,850.00 with 210 construction days. Notice to proceed was effective July 28, 2021, with substantial completion will be February 23, 2022.

At the Regular Board meeting held on November 10, 2021, the Board approved the following items:

Consideration and Approval of Allowance Expenditure Authorization (AEA) #01 for Structural Repairs on Various Piers for the Tom Landry Stadium Repairs.

Contingency Allowance:	\$20,000.00
AEA #1 Various Piers:	<u>\$ 8,241.88</u>
Balance:	\$11,758.12

Consideration and Approval of Change Order #1 for Forty-four (44) Delay Days due to the structural repairs on various piers for the Tom Landry Stadium Repairs. If approved the new substantial completion will be April 08, 2022.

On Friday, December 10, 2021 a letter was sent by MCISD to Mr. Rick Hinojosa, Hinojosa Structural Engineering and to Mr. Rene Garza, RG Enterprises LLC. referencing the Tom Landry Stadium Repair Project.

At the request of Mr. Garza, a project meeting was held on Wednesday morning, December 15, 2021 to discuss items referenced in the letter. Present at the meeting were staff members of R. Hinojosa Structural Engineering, Raba Kistner, Geo-tech Testing, G&G Const. and MCISD Staff.

At the Regular Board of Trustees meeting held on December 15, 2021, Mr. Albert Trevino. Hinojosa Structural Engineering and Mr. Rene Garza, RG Enterprises LLC presented an update on the project. During the presentation at least five (5) possible change orders which consist of additional costs and time were mentioned as forthcoming.

The Board expressed concern that the project needed to move forward and that requests for special meetings would be acceptable in order to expedite change orders needed as to not delay the project further.

A Special Board of Trustees Meeting has been requested for Wednesday, January 05, 2022 for Consideration and Approval of Change Order(s) for the Tom Landry Stadium Repairs Project.

At the Regular Board of Trustees meeting of December 15, 2021, both firms were instructed to work on change proposals to be submitted at the special called meeting of Wednesday, January 5, 2022. During the presentation by both Mr. Albert Trevino – Hinojosa Structural Engineering and Mr. Rene Garza – RG Enterprises, LLC they presented seven (7) possible construction proposal requests (CPR's). They were directed to present to the Administration and Board of Trustees detailed explanations for each CPR on why these were required, if by Code or other reasons. They were also directed to ensure that these CPR costs were the only option(s). It was also directed that they needed to specify if any of the CPR's would either delete or offset any of the work already included in their original scope of work and that the adjustment of all time and materials associated needed to be reflected as a "credit" to the district. As per Mr. Trevino, he would only inform the Administration and the Board of receipt of these CPR's and at this time would not formally present them for consideration since he had not yet reviewed them with RG Enterprises, LLC and did have some questions for them. Both firms were made aware that legally the project could not exceed 25% of the total cost of the project in change orders. Administration and the Board once again reiterated the need to resume work at the stadium and were very receptive to having meetings to review and possibly approve items to have the project progress. The Board asked which CPR's were critical at this time so that the project would continue and items #3, #5 and #6 that were presented that evening were noted. Both firms were directed to work on submitting these CPR's using the required AIA Document G701 - 2017 which specifically is designed to submit change

orders to the project and present them at a Special Board of Trustees meeting on Wednesday, January 12, 2022.

### **ADMINISTRATIVE CONSIDERATIONS**

At the Special Board of Trustees meeting held on Wednesday, January 12, 2022, R. Hinojosa Structural Engineering and RG Enterprises, LLC presented possible change orders #2, #3 and #4. Change order #4 was the combination of Change Proposal Requests (CPR's) #5 and #6 that were presented at the previous meeting of January 05, 2022. Along with cost information were additional days requested. In consultation with Mr. David Hansen - Legal Counsel it was asked that the change orders be reviewed once again and that the costs and days all be incorporated into one single change order document. The change order was to be sent to our legal office to be incorporated into our required change order document. Both firms were asked to create a work schedule separating time from the home side versus the visitor side. A presentation is scheduled to be made once again at the Regular Board of Trustees meeting on Wednesday, January 19, 2022.

### **FUNDING SOURCE**

General Funds and Possible other funding sources to be determined by the Finance Dept. (TBD)

### **RECOMMENDATION**

This agenda item was presented at the Special Board of Trustees meeting held on Wednesday, January 12, 2022.

Administration presents Consideration and Approval of Change Order(s) for the Tom Landry Stadium Repairs Project.

### **EXHIBIT**

Change Order(s) Pending – (to be distributed at the meeting)

### **CONTACT PERSONS**

Ricardo Rivera, Assistant Superintendent for Operations

Adrian Hernandez, Coordinator for Project & Energy Management

**SUBJECT:** Consideration and Possible Action Regarding Substitute Teacher Pay

**PRESENTER:** Lorena Garcia, Deputy Superintendent for Support Services

**BACKGROUND INFORMATION**

Due to ongoing challenges with the pandemic and to secure highly qualified substitutes to meet operational requirements, Administration is recommending a temporary increase for substitute rate of pay for the second semester of the 2021-2022 school year only. This increased rate will be effective until the conclusion of the 2021-2022 school year.

For the 2022-2023 school year and beyond, substitute rates will be based on the district's compensation plan that is Board approved annually, unless otherwise amended by Board action.

**ADMINISTRATIVE CONSIDERATIONS**

Prior to the COVID-19 pandemic, the district had remained competitive in substitute teacher pay rates with the majority of the local districts. However, the COVID-19 pandemic has negatively impacted the availability of qualified substitutes across the Rio Grande Valley.

Board approved substitute rates effective June 23, 2021, until end of 2021-2022 school year were:

Degreed and Certified	\$125/day
Degreed	\$105/day
Non-Degreed	\$85/day

**FUNDING SOURCE AND AMOUNT**

ESSER Funds may be used for substitute pay increase

**RECOMMENDATION**

That the Board of Trustees consider and approve a rate of pay increase for substitute teachers.

**CONTACT PERSON (S)**

Lorena Garcia, Deputy Superintendent for Support Services  
Dr. Sharon Roberts, Deputy Supt. for Curriculum and Instruction  
Kim Risica, Executive Director for Special Programs and School Improvement  
Elisa Pacheco, Director for Human Resources

**SUBJECT:** Approval to Accept Final Completion for the Security Vestibules Project at Alton Memorial Jr. High, K. White Jr. High, Pearson Elementary & Roosevelt Alternative - EGV Architects

**PRESENTER:** Ricardo Rivera  
Assistant Superintendent for Operations

**BACKGROUND INFORMATION**

Mission CISD Administration and Risk Management have been working cooperatively with law enforcement agencies to explore additional safety and security measures to ensure students and staff are safe and secure at all times. One security measure is to try to ensure that our campus front doors are equipped with necessary security systems to limit or prohibit the entrance of intruders who may want to cause criminal intent. All our campuses have door security access systems and in addition some campuses have entrance vestibules as an additional safety measure. Several elementary campuses are currently limited with these systems.

At the Regular Board of Trustees meeting held on Wednesday, November 13, 2019 the Board approved the following:

Administration requests to explore a project at campuses for the installation of door security and monitoring systems along with assessing the construction of a vestibule similar to ones constructed at MHS, RCJH and Escobar/Rios (our most recent constructed or renovated campuses). All campuses are equipped with front door security cameras and call buttons where the front office staff need to activate locking mechanisms to allow persons entrance into the campus. However, not all campuses have a vestibule where visitors are checked and verified before being able to have access to the entire campus. The construction of vestibules will serve as an additional safety measure against possible intruders. Since many of our campus entrances are constructed differently there are varying options on how a vestibule may or may not be built. Some campuses may be as simple as constructing a glass barrier as a separation similar to what is installed at Escobar/Rios Elementary school. Other campuses may need to have a vestibule constructed at the entrance similar to what was just completed at VMHS. Other campuses may need more of a design due to not being able to utilize the other two options. The Construction and Maintenance departments will be responsible for the construction of these vestibules, however, due to the total costs and the need to ensure that we are meeting all building and ADA compliance codes and requirements we are requesting Consideration and Approval to Advertise for Request for Qualifications (RFQ) for the Selection of Architect/Consultant for Elementary Campus Security Vestibules Project.

The Board of Trustees must take the necessary action in accordance with Texas Education Code 44.035 which consists of the selection/designation of an architect/consultant and/or engineer to prepare construction documents for this project. The engineer and/or architect/consultant selected or designated will have full responsibility for complying with the Texas Engineering Practice Act (Article 3271a, Vernon's Texas Civil Statutes) or Chapter 478, Acts of the 45th Legislature, Regular Session, 1937 (Article 249a, Vernon's Texas Civil Statutes) as applicable.

The selected architect/consultant/engineer along with preparing construction documents will be required to provide MCISD with an estimated project budget if required by Administration.

If the engineer or architect/consultant is not a full-time employee of the District, the Board must select the engineer or architect/consultant on the basis of demonstrated competence and qualifications as provided by Section 2254.004, Government Code.

On Wednesday, February 12, 2020 the Board selected EGV Architects, Inc. as the districts professional services firm to act as the district's representative for the duration of the project.

At the Regular Board of Trustees meeting held on Wednesday, June 24, 2020 the Board approved the following:

Consideration and Approval of Project and Proposed Budget for the Districtwide Security Vestibules Project.

Consideration and Approval as Design Build as Procurement Method for the Districtwide Security Vestibules Project.

There are twelve (12) district campuses that will require vestibules, however, seven (7) can be constructed using store front framing. Each of these campuses is a different design and configuration and will be contracted out to vendors.

Before soliciting bids or proposals for this project, Texas Education Code 44.031(a) requires the board of a school district, considering a construction project to take the following action. 1. The board must consider the method of delivery that provides the best value for this project. Administration recommends competitive sealed proposals as the method of delivery due to the nature of the project. 2. Selection criteria for the project must also be considered. Attached is a copy of the recommended selection criteria used for previous District large scale projects. 3. The Board must designate the selection committee to evaluate and rank the proposals. (This was reviewed and approved by the Purchasing Department)

After some delays in the original procurement method Administration recommends Consideration and Approval of Changing the Procurement Process from Design Build to Competitive Sealed Proposals (CSP) for the Districtwide Security Vestibules Project in order to expedite the project.

At the Regular Board of Trustees meeting held on September 09, 2020 the Board approved of changing the procurement process from design build to competitive sealed proposals (CSP) for the Districtwide Security Vestibules Project.

Advertisements in the local newspapers were posted on April 28, 2021 and May 05, 2021. A pre-proposal meeting was held on Thursday, May 06, 2021 with proposals scheduled to be publicly opened on Thursday, May 13, 2021. There were no proposals submitted and Administration extended the solicitation for an additional two weeks. A second pre-proposal meeting was held Thursday, May 20, 2021 and proposals were opened on Thursday, May 27, 2021 at 2:00 p.m.. Pre-ranking of the proposals were

conducted by Ms. Lorena Garcia, Mr. Ricardo Rivera, Ms. Dora Garcia, Mr. Joel Garcia, and Ms. Daisy Cuevas on Friday, May 28, 2021 at 11:00 a.m..

Pre-ranking of proposals by Administration is a district process to pre-check if all requested documents and information in the Competitive Sealed Proposal (CSP) was submitted.

However, since the district no longer has a Facilities/Environment Committee and we now use the Board of Trustees Work Shop format Administration presents the option of presenting Consideration and Approval to Accept Administrations Rankings and Enter into Negotiations in the Order of Ranking for the Security Entrances for AMJH, KWJH, Pearson Elementary & Roosevelt Alternative Project

Two proposals were submitted for this project; however, one proposal was incomplete and could not be included in the ranking process thus Administration presents one proposal to consider.

Company and Base bid and Number of days

Risica & Sons, Inc.- Incomplete package

REFCO - \$85,625.00 - 60 days

Alternate: \$6,850.00 (4) sets of electric strikes, power supplies and wall switches, furnished and installed

Total Proposal: \$92,475.00

Initial project negotiations were held on June 10, 2021 with Mr. Connor Friedrichs, REFCO V.P., Mr. Joel Garcia and Mr. Ricardo Rivera. On Monday, June 14, 2021, REFCO submitted their best and final offer (BAFO). In their BAFO they also recommended a substitution for door closers from a specified LCN model to a Stanley closer. After consulting with EGV Architects and our maintenance personnel the substitution is acceptable.

The Board of Trustees has the option to accept this BAFO, to decline the offer and direct Administration to reject all offers and re-advertise for the project using the same specifications and design.

Administration presents Consideration and Approval to Accept the Best and Final Offer (BAFO) and to Enter Into Contract for the Security Entrances for AMJH, KWJH, Pearson Elementary & Roosevelt Alternative.

BAFO Base Bid: \$81,000.00

Closer Substitution: (\$1,600.00)

BAFO Final (base): \$79,400.00

BAFO Alternate: \$6,850.00

Total Proposal: \$86,250.00

Construction Time: 60 days from notice to proceed (NTP)

At the Special Board of Trustees meeting held on June 23, 2021, the Board approved REFCO Best and Final Offer of \$86,250.00 with 60 days. Notice to Proceed was effective July 27, 202, with substantial completion will be September 25, 2021.

At the Regular Board of Trustees Meeting held on September 8, 2021, the Board approved Change Order #01 for Thirty-three (33) delay days for the Security Entrances for Alton Memorial Jr. High, K. White Jr. High, Pearson Elementary & Roosevelt Alternative. If approved the new substantial completion will be October 28, 2021.

At the Regular Board of Trustees Meeting held on November 10, 2021, the Board approved the following items, Consideration and Approval of Construction Change Directive #1 & #2 for "Credit" on Hardware Handle and for Aluminum Frame Support for the Security Vestibules Project at Alton Memorial Jr. High, K. White Jr. High, Pearson Elementary & Roosevelt Alternative – EGV Architects

Const. Change Directive #1 Credit hardware handle:	(\$750.00)
Const. Change Directive #2 Aluminum Supports Cost:	<u>\$750.00</u>
Balance:	\$0.00

Accept Substantial Completion for the Security Vestibules Project at Alton Memorial Jr. High, K. White Jr. High, Pearson Elementary & Roosevelt Alternative - EGV Architects

### **ADMINISTRATIVE CONSIDERATIONS**

As per EGV Architects, presents approval to accept Final Completion for the Security Vestibules Project at Alton Memorial Jr. High, K. White Jr. High, Pearson Elementary & Roosevelt Alternative.

### **FUNDING SOURCE**

Local  
Safety and Security grant in the award of \$252,229.00  
Leal, Mims & O'Grady (previously awarded) \$49,286.00  
Balance: \$202,943.00

### **RECOMMENDATION**

This agenda item was presented at the Board of Trustees Workshop on Wednesday, January 12, 2022.

Administration presents, approval to accept final completion for the Security Vestibules Project at Alton Memorial Jr. High, K. White Jr. High, Pearson Elementary & Roosevelt Alternative - EGV Architects.

### **EXHIBIT**

EGV Architects - Final Completion Letter

### **CONTACT PERSONS**

Ricardo Rivera, Assistant Superintendent for Operations  
Adrian Hernandez, Coordinator for Project & Energy Management



January 3, 2022

Mission C. I. S. D.  
Maintenance Department  
Attn: Mr. Ricardo Rivera  
520 Holland Ave.  
Mission, TX 78572

Re: Security Entrances at Alton Memorial, K.White Jr. High, Pearson Elem. and  
Roosevelt Alternative School

Dear Mr. Ricardo Rivera,

To the best of our knowledge, all work has been completed as per manufacturer's specifications. R. E. Friedrichs Company (REFCO) has completed the punch list items. We recommend release of final payment to REFCO for the above referenced project.

If you have any questions please call at (956) 843-2987.

Sincerely,

A handwritten signature in blue ink, appearing to read 'E. Vela', is written over a white background.

Eduardo G. Vela, Architect

XC: R. E. Friedrichs Company (REFCO)

**SUBJECT:** Approval to Accept Final Design for the Child Nutrition Program Walk-in Freezers for Bryan, Marcell and Salinas Elementary Project – Chanin Engineering

**PRESENTER:** Ricardo Rivera, Assistant Superintendent for Operations

**BACKGROUND INFORMATION**

The Child Nutrition Program (CNP) is in need to add three stand-alone walk-in freezers at Bryan Elementary, Marcell Elementary and Salinas Elementary near the campus cafeteria area. The three walk-in freezers are required to be placed/installed on concrete slabs and electrical work is required for the connection.

An on-call structural engineer will be the prime engineer and may require an electrical, mechanical, and plumbing engineer (MEP) as a consultant. Professional services are needed to over-see the project due to design weight and electrical connections requirements.

Administration will use competitive sealed proposals (CSP's) as the procurement method as approved by the Board of Trustees in the February 2021 Board of Trustees meeting. This method was approved as the primary default method for projects. However, at the November 10, 2021 Board of Trustees meeting, the Board approved Job Order Contracting (JOC) and this method may be used for this smaller project.

Administration used the on-call professional services agreement for the project assessment. Chanin Structural Engineering's estimated project cost is \$90,000.00.

At the Regular Board of Trustees Meeting held on August 11, 2021, the Board approved of Utilizing the On-call Professional Services for the Child Nutrition Program Walk-in Freezer at Bryan, Salinas & Marcell Elementary Project – Chanin Structural Engineering.

At the Regular Board of Trustees Meeting held on December 15, 2021, the Board approved Schematic Design for the Child Nutrition Program Walk-in Freezers for Bryan, Marcell and Salinas Elementary Project – Chanin Engineering.

**ADMINISTRATIVE CONSIDERATIONS**

Chanin Engineering has continued to meet with MCISD Staff and Administration on the designs, thus Administration will be presenting approval to accept Final Design for the Child Nutrition Program Walk-in Freezers for Bryan, Marcell and Salinas Elementary Project – Chanin Engineering. Designs have been reviewed and approved by staff.

**FUNDING SOURCE**

Federal Funds/Local Funds

Est. Project Budget:	\$90,000.00
Project Contingency 20%:	\$18,000.00
Est. Professional Services 12%:	<u>\$10,800.00</u>
Est. Total Project Cost:	\$118,800.00

**RECOMMENDATION**

This agenda item was presented at the Board of Trustees Workshop on Wednesday, January 12, 2022.

Administration presents approval to accept Final Design for the Child Nutrition Program Walk-in Freezers for Bryan, Marcell and Salinas Elementary Project – Chanin Engineering.

**EXHIBIT:**

Final Design – Attached

**CONTACT PERSONS**

Ricardo Rivera, Assistant Superintendent for Operations

Adrian Hernandez, Coordinator for Project & Energy Management

# MISSION CISD

## BRYAN, MARCELL AND SALINAS ELEMENTARY SCHOOLS

### NEW STAND ALONE FREEZERS

#### DRAWING INDEX

#### Mission, Texas

#### ☆ SCHOOL BOARD ☆

##### CIVIL

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- C2.0 BRYAN ELEMENTARY - DEMOLITION PLAN
- C3.0 BRYAN ELEMENTARY - PARTIAL GRADING PLAN
- C4.0 MARCELL ELEMENTARY - EXISTING PARTIAL SITE, UTILITY AND TOPOGRAPHY LAYOUT
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- C9.0 SALINAS ELEMENTARY - PARTIAL GRADING PLAN

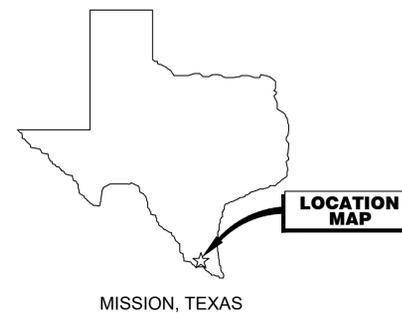
##### STRUCTURAL

- S1.0 GENERAL STRUCTURAL NOTES
- S2.0 BRYAN ELEMENTARY - FOUNDATION PLAN
- S2.1 MARCELL ELEMENTARY - FOUNDATION PLAN
- S2.2 SALINAS ELEMENTARY - FOUNDATION PLAN
- S3.0 TYPICAL FOUNDATION DETAILS

##### MEP

- EP3.1 SALINAS ELEMENTARY - ENLARGED ELECTRICAL AND PLUMBING PLAN
- EP3.2 MARCELL ELEMENTARY - ENLARGED ELECTRICAL AND PLUMBING PLAN
- EP3.3 BRYAN ELEMENTARY - ENLARGED ELECTRICAL AND PLUMBING PLAN
- EP4.1 TYPICAL DETAILS
- E7.0 ELECTRICAL SPECIFICATIONS
- P7.0 PLUMBING SPECIFICATIONS

- CAROL G. PEREZ, ED.D. ☆☆☆☆☆☆☆☆ SUPERINTENDENT
- JERRY ZAMORA ☆☆☆☆☆☆☆☆☆☆ BOARD PRESIDENT
- VERONICA R. MENDOZA ☆☆☆☆☆☆☆☆ VICE-PRESIDENT
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- JUAN M. GONZALEZ ☆☆☆☆☆☆☆☆☆☆ MEMBER
- IRIS IGLESIAS ☆☆☆☆☆☆☆☆☆☆ MEMBER



STRUCTURAL ENGINEER



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MEP ENGINEER

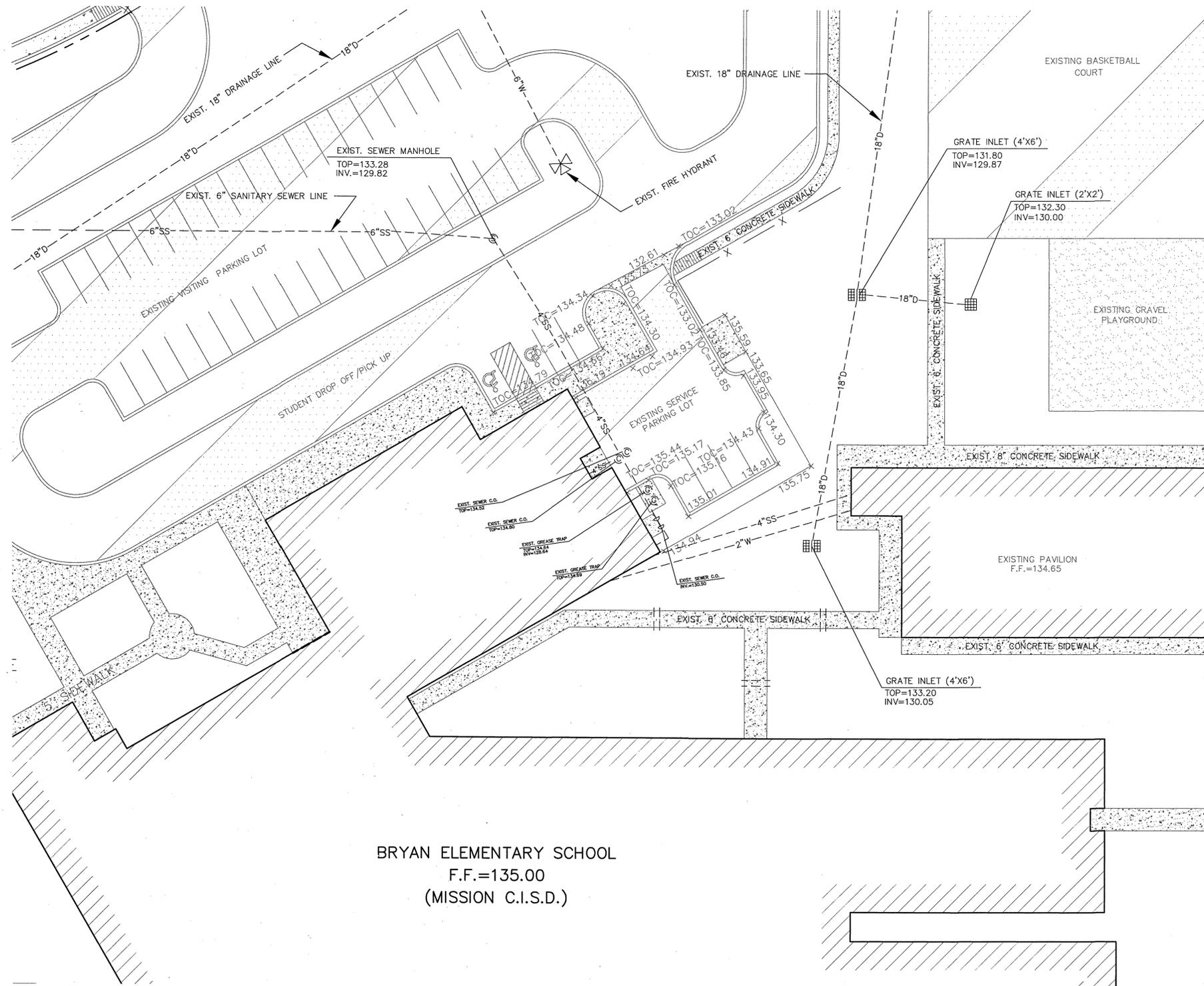


DBR  
 200 SOUTH 10TH STREET  
 SUITE 901, McALLEN, TEXAS 78501  
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CIVIL ENGINEER



JAVIER HINOJOSA ENGINEERING  
 416 E. DOVE AVENUE  
 McAllen, TX 78504  
 TEL: 956-668-1588



BRYAN ELEMENTARY SCHOOL  
 F.F.=135.00  
 (MISSION C.I.S.D.)

SCALE: 1" = 20'

**LEGEND**

- x EOP=120.78    EXIST. EDGE OF PAVEMENT ELEVATION
- x TOC=124.63    EXIST. TOP OF CURB ELEVATION
- x CL=124.17    EXIST. CENTER LINE ELEVATION
- x FL=124.34    EXIST. FLOW LINE ELEVATION
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- ⊙    EXIST. DRAIN MANHOLE
- ⊙    EXIST. SEWER MANHOLE
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- | —    EXIST. GUY WIRE
- ⊙    EXIST. SPRINKLER HEAD
- ⊕    EXIST. ROAD SIGN
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- - 4"SS - -    EXIST. 4" SANITARY SEWER LINE
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- - 6"W - -    EXIST. 6" WATER LINE
- - X - -    EXIST. CHAIN LINK FENCE
- [Hatched Box]    EXIST. PAVEMENT
- [Dotted Box]    EXIST. PAVEMENT



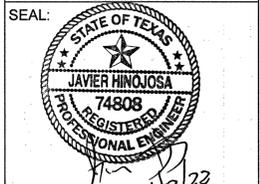
BRYAN ELEMENTARY  
 EXISTING PARTIAL SITE, UTILITY  
 AND TOPOGRAPHY LAYOUT

SCALE: 1"=20'

**CHANIN ENGINEERING, LLC**  
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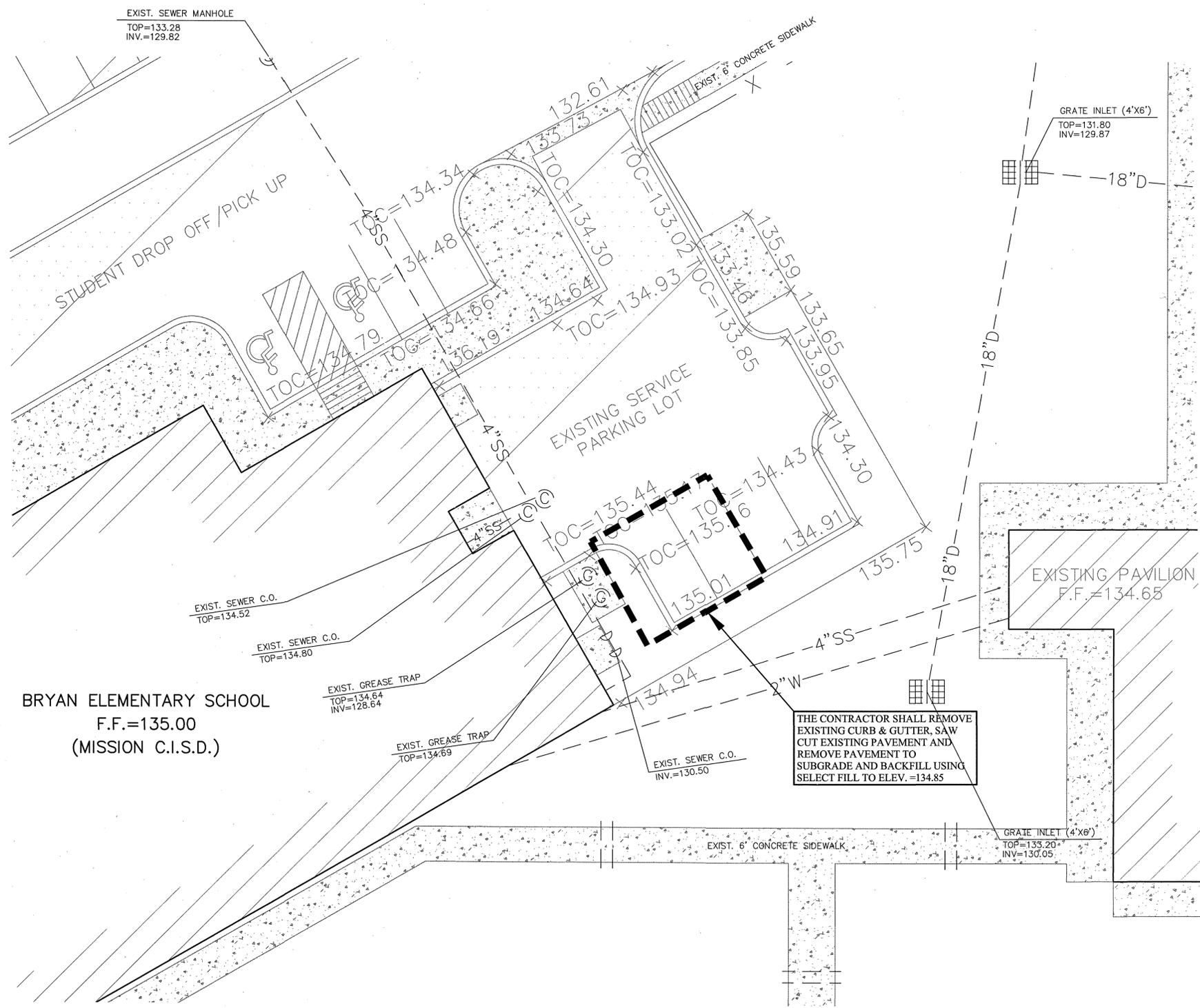
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 200 SOUTH 15TH STREET  
 SUITE 901, MISSION, TEXAS 78501  
 TEL: 956-683-1646



Mission CISD

PROJECT: MCISD - BRYAN, MARCELL AND SALINAS  
 ELEMENTARY SCHOOLS  
 NEW STAND ALONE FREEZERS  
 MISSION, TX. 78574

JOB NO. 21-184
DATE. 01/07/22
DRAWN BY:
CHECKED BY:
REVISION:
DRAWING NO. <b>C1.0</b>



BRYAN ELEMENTARY SCHOOL  
F.F.=135.00  
(MISSION C.I.S.D.)

THE CONTRACTOR SHALL REMOVE  
EXISTING CURB & GUTTER, SAW  
CUT EXISTING PAVEMENT AND  
REMOVE PAVEMENT TO  
SUBGRADE AND BACKFILL USING  
SELECT FILL TO ELEV.=134.85



**LEGEND**

- x EOP=120.78    EXIST. EDGE OF PAVEMENT ELEVATION
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- ⊕    EXIST. ROAD SIGN
- ⊕    EXIST. WATER METER
- ⊕    EXIST. FIRE HYDRANT
- ⊕    EXIST. WATER VALVE
- 18\"/>



**BRYAN ELEMENTARY  
DEMOLITION PLAN**  
SCALE: 1"=10'

**CHANIN  
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TEL: 850-681-1640



**Mission  
CISD**

PROJECT: **MCISD - BRYAN, MARCELL AND SALINAS  
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NEW STAND ALONE FREEZERS**  
MISSION, TX. 78574

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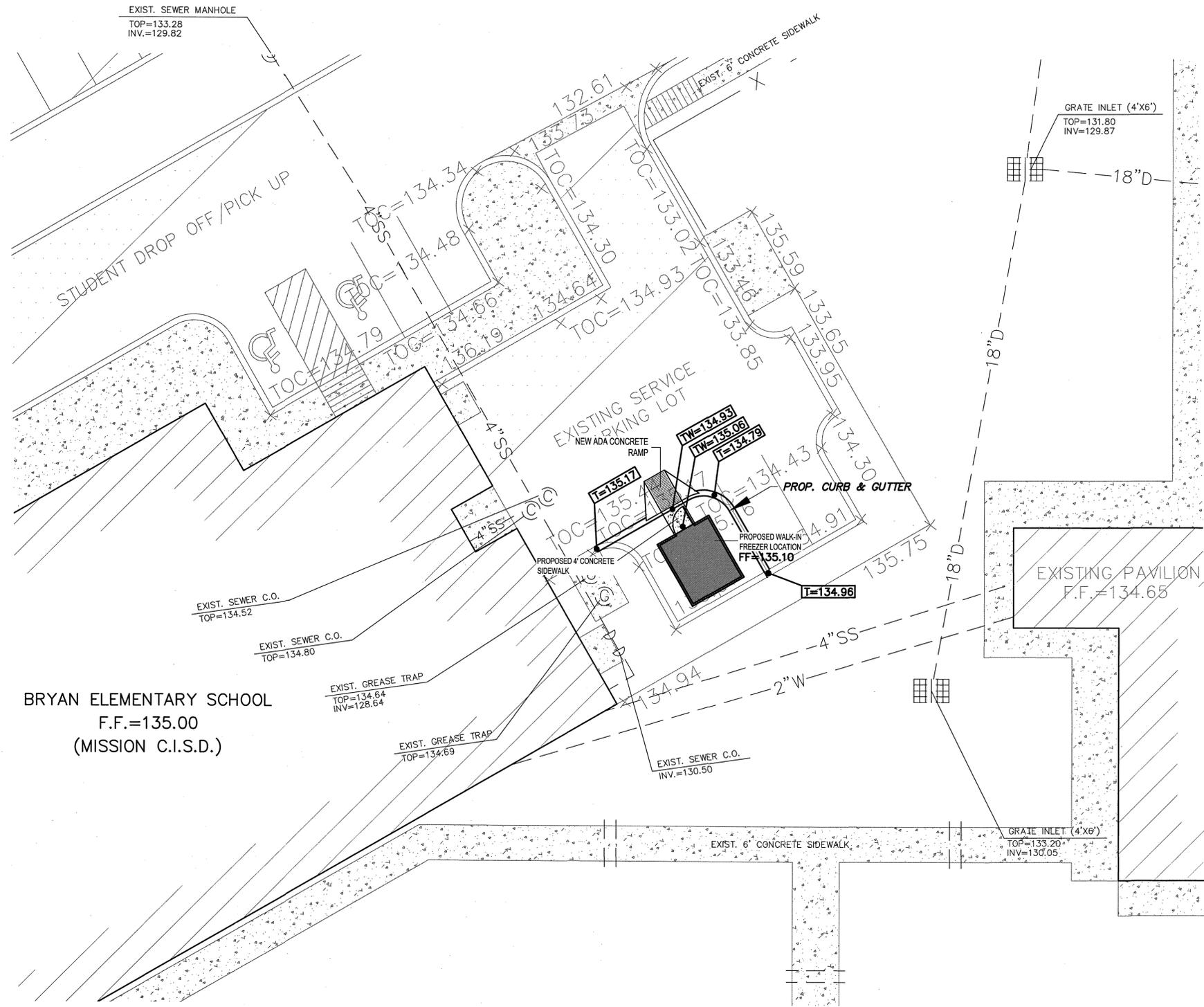
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DRAWING NO.

**C2.0**



BRYAN ELEMENTARY SCHOOL  
F.F.=135.00  
(MISSION C.I.S.D.)

SCALE: 1" = 10'

LEGEND

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- 6"W— EXIST. 6" WATER LINE
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- ▨ EXIST. PAVEMENT
- ▨ EXIST. PAVEMENT
- FF= PROP. FINISH FLOOR ELEVATION
- T=112.51 PROP. TOP OF CURB ELEVATION
- TW=104.00 PROP. TOP OF CONCRETE SIDEWALK ELEV.



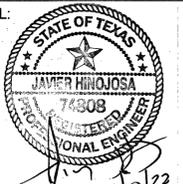
BRYAN ELEMENTARY  
PARTIAL GRADING PLAN  
SCALE: 1"=10'

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DRP: 200 SOUTH 10TH STREET  
SUITE 900, MCALLEN, TEXAS 78501  
TEL: 956-683-1640

SEAL: **JCH** **DBR**



Mission  
CISD

PROJECT: MCISD - BRYAN, MARCELL AND SALINAS  
ELEMENTARY SCHOOLS  
NEW STAND ALONE FREEZERS

MISSION, TX. 78574

JOB NO. 21-184

DATE: 01/07/22

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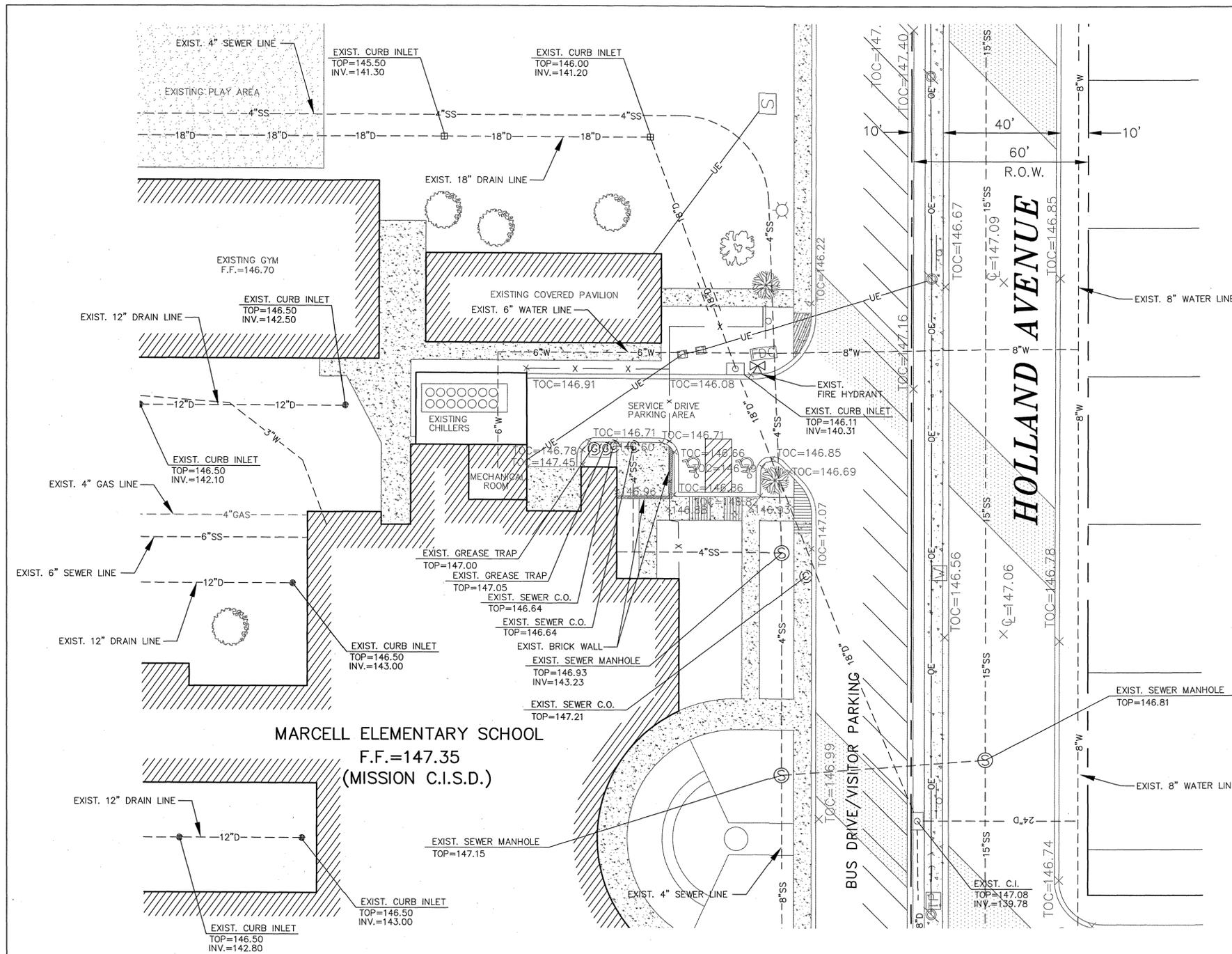
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PROJECT: MCISD - BRYAN, MARCELL AND SALINAS  
 ELEMENTARY SCHOOLS  
 NEW STAND ALONE FREEZERS  
 MISSION, TX. 78574

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DRAWING NO. <b>C4.0</b>



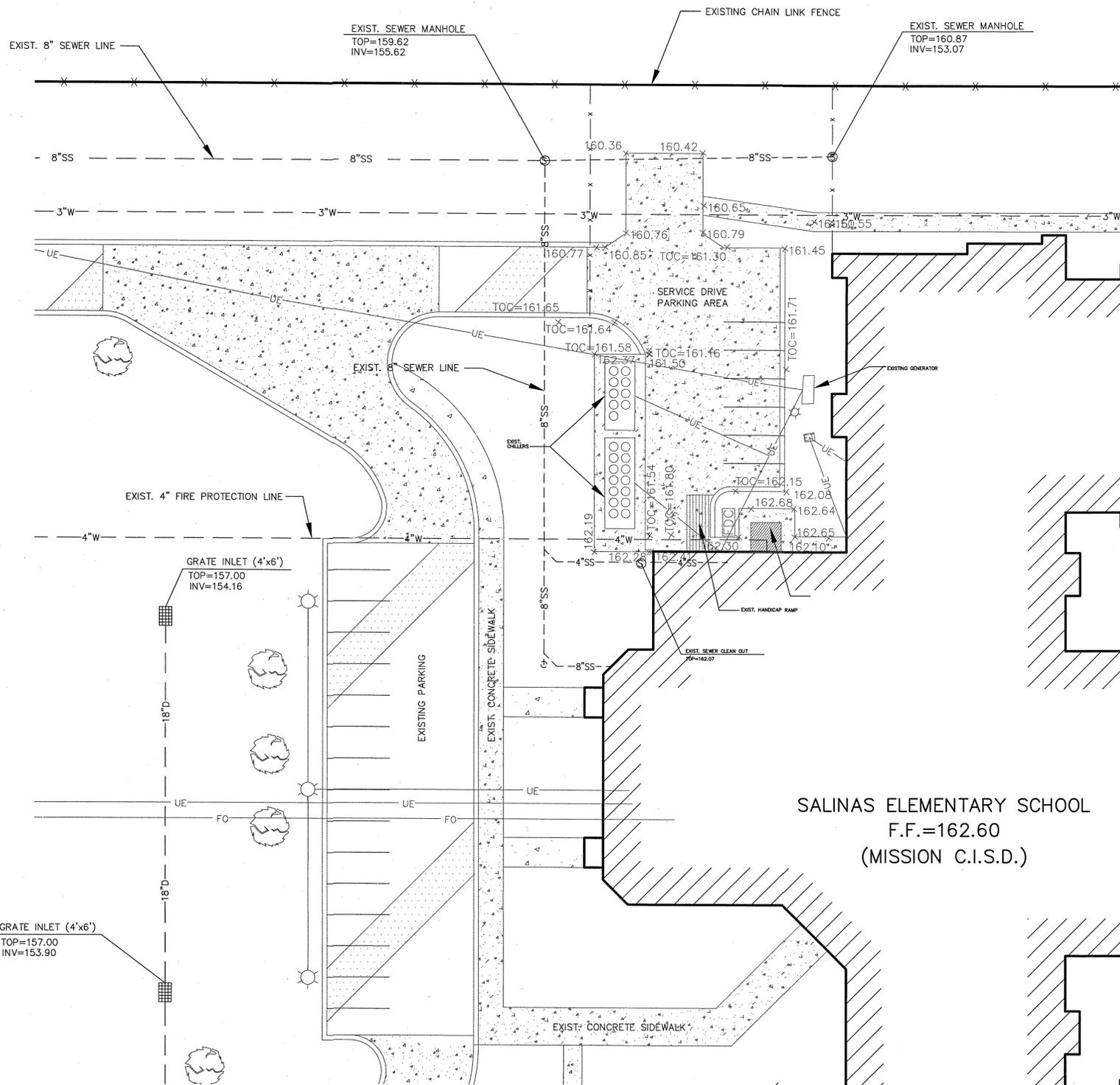
- LEGEND**
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  - X-X EXIST. CHAIN LINK FENCE
  - EXIST. PAVEMENT
  - EXIST. PAVEMENT



**MARCELL ELEMENTARY  
 EXISTING PARTIAL SITE, UTILITY  
 AND TOPOGRAPHY LAYOUT**  
 SCALE: 1"=20'







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  - [Dotted Box] EXIST. PAVEMENT

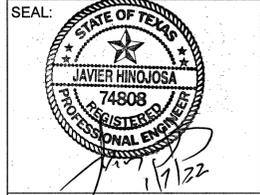
SALINAS ELEMENTARY SCHOOL  
 F.F.=162.60  
 (MISSION C.I.S.D.)



**SALINAS ELEMENTARY  
 EXISTING PARTIAL SITE, UTILITY  
 AND TOPOGRAPHY LAYOUT**  
 SCALE: 1"=20'

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 TEL: 956-686-1588  
 DBR



**Mission  
 C.I.S.D.**

**PROJECT:**  
 MCISD - BRYAN, MARCELL AND SALINAS  
 ELEMENTARY SCHOOLS  
 NEW STAND ALONE FREEZERS  
 MISSION, TX. 78574

JOB NO. 21-184  
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**C7.0**



SCALE: 1" = 10'

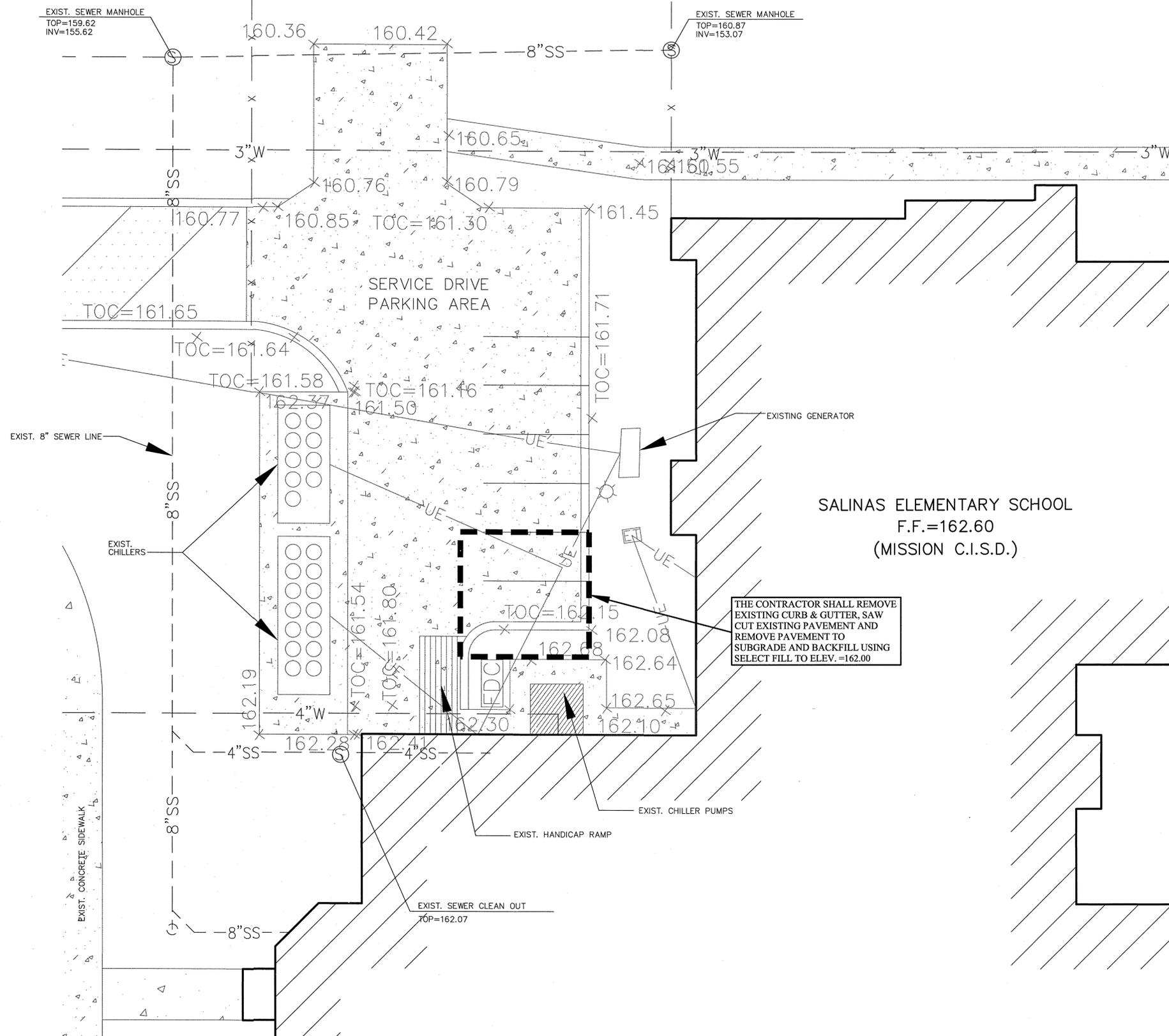
LEGEND

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- ⊙ EXIST. WATER METER
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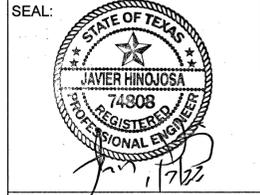
SALINAS ELEMENTARY  
DEMOLITION PLAN

SCALE: 1"=10'



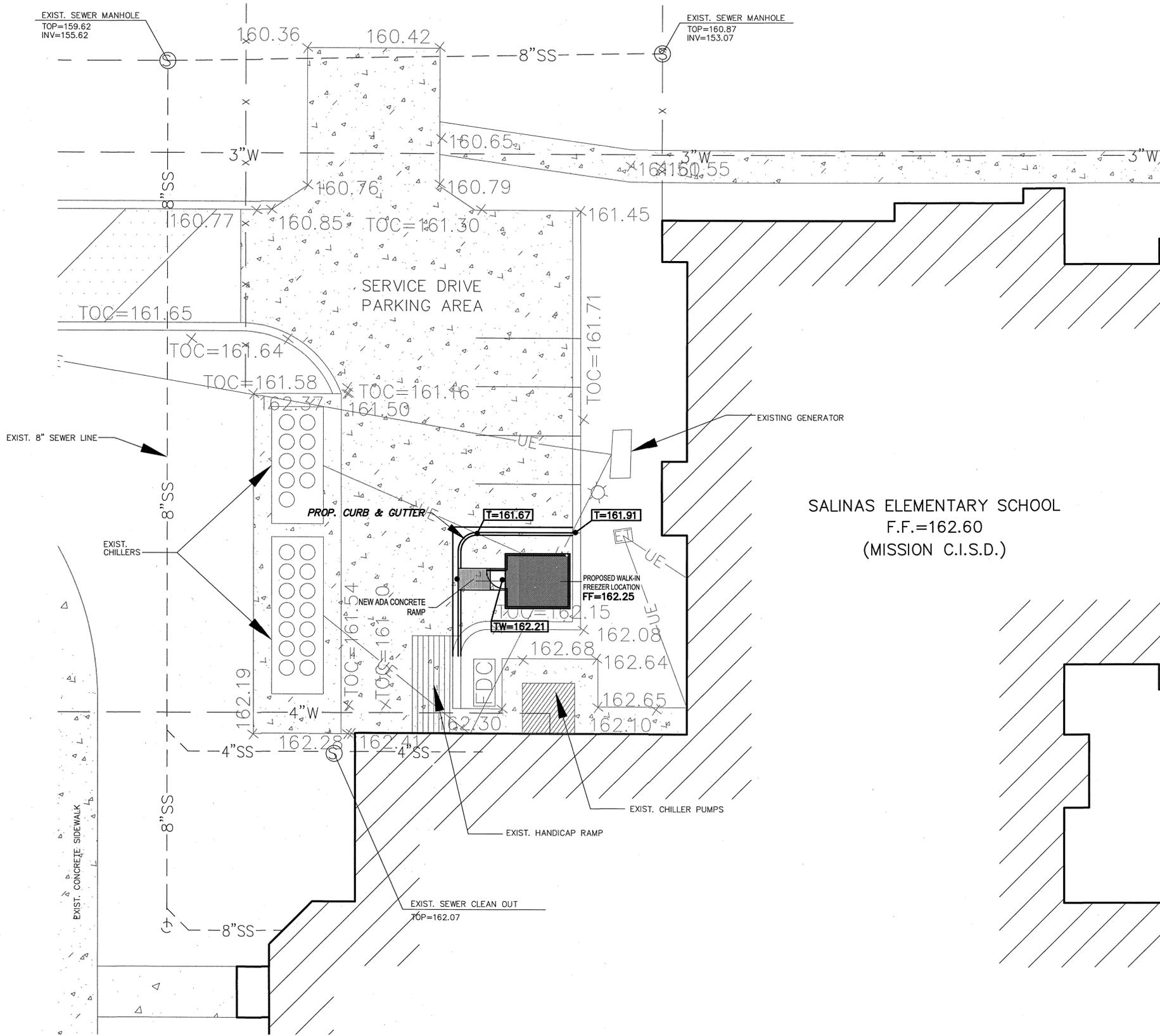
THE CONTRACTOR SHALL REMOVE EXISTING CURB & GUTTER, SAW CUT EXISTING PAVEMENT AND REMOVE PAVEMENT TO SUBGRADE AND BACKFILL USING SELECT FILL TO ELEV. =162.00

SALINAS ELEMENTARY SCHOOL  
F.F.=162.60  
(MISSION C.I.S.D.)



PROJECT: **MCISD - BRYAN, MARCELL AND SALINAS ELEMENTARY SCHOOLS NEW STAND ALONE FREEZERS**

JOB NO. 21-184
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SCALE: 1" = 10'

**LEGEND**

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- TW=104.00 PROP. TOP OF CONCRETE SIDEWALK ELEV.



**SALINAS ELEMENTARY PARTIAL GRADING PLAN**  
 SCALE: 1"=10'

# GENERAL NOTES

## GENERAL

- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR THE EARTH BANKS, FORMS, SCAFFOLDING, PLANNING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES, GIN POLES, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AND THEY SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. EXACT WEIGHTS AND LOCATIONS OF MECHANICAL EQUIPMENT SHALL BE COORDINATED BY CONTRACTOR. IF THE FINAL LOCATION VARIES FROM THAT SHOWN ON THE PLANS, CONTRACTOR TO NOTIFY ARCHITECT AND ENGINEER FOR APPROVAL BEFORE INSTALLATION.
- SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL BE RESPONSIBLE FOR CONDITIONS OF ALL WORK AND MATERIALS.
- THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND ELEVATIONS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE ARCHITECT. ANY CONFLICT BETWEEN THE DRAWING AND SPECIFICATIONS OF THE VARIOUS TRADES INVOLVED SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER.
- DETAILS SHOWN ON DRAWINGS APPLY AT SIMILAR CONDITIONS.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL STANDARDS AND TO ALL APPLICABLE PROVISIONS OF THE GOVERNING BUILDING CODE.
- THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED IN WRITING WHEN WORK COMMENCES.
- CONTRACTOR SUBSTITUTIONS: ANY MATERIALS OR PRODUCTS THAT ARE SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIALS OR PRODUCTS SPECIFIED IN THE CONTRACT DOCUMENTS WILL ONLY BE CONSIDERED IF THE FOLLOWING CRITERIA ARE SATISFIED.
  - A COST SAVING TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST
  - THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) AND THE ICBO REPORT IS SUBMITTED WITH THE REQUEST.

## STRUCTURAL OBSERVATION

- THE PROFESSIONAL ENGINEER OR HIS/HER AUTHORIZED REPRESENTATIVE SHALL CONDUCT ALL STRUCTURAL OBSERVATIONS. STRUCTURAL OBSERVATIONS SHALL BE FOR THE PURPOSE OF ASCERTAINING GENERAL COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. HOWEVER, SUCH OBSERVATION VISITS SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OBLIGATIONS AND RESPONSIBILITIES TO THE CONSTRUCTION DOCUMENTS.
- ITEMS THAT REQUIRE A STRUCTURAL OBSERVATION ARE AS FOLLOWS:
  - STEEL REINFORCEMENT IN SLAB OR FOUNDATION
- NOTIFY ENGINEER 48 HOURS IN ADVANCE WHEN A STRUCTURAL OBSERVATION IS REQUIRED.
- WORK SHALL NOT CONTINUE AT THESE AREAS UNTIL OBSERVATION AND APPROVAL BY ENGINEER. FAILURE BY THE CONTRACTOR TO PROVIDE PROPER NOTICE FOR AN OBSERVATION VISIT AT THE REQUIRED TIME OR ADDITIONAL WORK PERFORMED WITHOUT AN OBSERVATION VISIT WILL BE DONE AT CONTRACTOR'S RISK AND MAY BE SUBJECT TO COMPLETE OR PARTIAL REMOVAL TO VERIFY COMPLIANCE OF PREVIOUS WORK.

## GEOTECHNICAL INVESTIGATION

THE OWNER OF THIS PROJECT HAS DECLINED TO FURNISH A GEOTECHNICAL INVESTIGATION REPORT THEREFORE THE FOUNDATION DESIGN WAS BASED UPON AVERAGE SOIL CONDITIONS IN HIDALGO COUNTY, TEXAS. IF HIGHLY EXPANSIVE SOILS OR SOFT SOILS ARE ENCOUNTERED, DIFFERENTIAL FOUNDATION MOVEMENTS CAN BE EXPECTED. ALTHOUGH WE ATTEMPT TO MAKE ASSUMPTIONS THAT WILL NOT IMPAIR STRUCTURAL INTEGRITY OF THE PROJECT, WE DO NOT HAVE THE EXPERTISE OR BENEFIT OF LABORATORY INVESTIGATIONS OF A GEOTECHNICAL ENGINEER, THEREFORE THIS FIRM CANNOT ASSUME RESPONSIBILITY FOR THE PERFORMANCE OF THE DESIGN FOUNDATION SHOULD ACTUAL SURFACE OR SUBSURFACE SOIL CONDITIONS VARY FROM THOSE ASSUMED. FOLLOWING ASSUMPTIONS:

- SOIL BEARING PRESSURE (AT PROPOSED SITE) = 1500 PSF

## SHOP DRAWINGS & SUBMITTALS

- SUBMITTAL THAT WILL BE REQUIRED FOR APPROVAL INCLUDE:
  - CONCRETE MIX DESIGN
  - CONCRETE ACCESSORIES (CHAIRS/BOLSTERS, VAPOR RETARDER, CURING COMPOUND)
  - CONCRETE REINFORCEMENT
- DEFERRED SUBMITTALS THAT WILL REQUIRE APPROVAL INCLUDE: NONE
- DEFERRED SUBMITTALS SHALL BE DESIGNED BY A TEXAS REGISTERED PROFESSIONAL ENGINEER ACCORDING TO THE DESIGN CRITERIA STATED IN THE PLANS AND SPECIFICATIONS, AND AS REQUIRED BY THE RESPECTIVE BUILDING CODE, WHICHEVER IS GREATER. THE SUBMITTAL SHALL INCLUDE SIGNED AND SEALED CALCULATIONS.
- ALLOW (2) WEEKS MINIMUM FOR REVIEW OF SHOP DRAWINGS.
- PRIOR TO ISSUING THE SUBMITTALS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSION WITH ARCHITECTURAL PLANS.
- REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL CONFORMANCE TO THE STRUCTURAL DRAWINGS. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR FOR ANY ERRORS IN DIMENSIONS OR MATERIAL INDICATED ON THE SHOP DRAWINGS.

## DESIGN CRITERIA

- DESIGN LOADS, STRUCTURAL ANALYSIS AND PREPARATION OF STRUCTURAL MEMBERS ARE BASED ON THE FOLLOWING CRITERIA:
- CODE: ..... IBC 2018
- LATERAL LOADS
  - WIND SPEED (V-ULT): ..... 137 MPH
  - WIND SPEED (V-ASD) ..... 106 MPH
  - EXPOSURE CATEGORY: ..... B
  - IMPORTANCE FACTOR: ..... 1.0
  - BUILDING CATEGORY: ..... I
  - SEISMIC DESIGN CATEGORY: ..... A
  - SITE CLASS: ..... D
- GEOTECHNICAL ENGINEERING REPORT: NONE PROVIDED

## REINFORCING STEEL

- ALL REINFORCEMENT SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
- REINFORCING STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI DETAILING MANUAL (SP-66) AND CSRI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE, (ACI #315).
- BAR SCHEDULED OR DETAILED "CONT" SHALL BE SPLICED ONLY WHEN UNAVOIDABLE AT POINTS OF MINIMUM STRESS AND WITH A MINIMUM LAP AS FOLLOWS:
  - HORIZONTAL BARS w/ MORE THAN 12" OF FRESH CONCRETE CAST BELOW LAPS.
    - #6 BARS AND SMALLER - 57 BAR DIAMETERS
    - #7 BARS AND BIGGER - 72 BAR DIAMETERS
  - OTHER BARS
    - #6 BARS AND SMALLER - 44 BAR DIAMETERS
    - #7 BARS AND BIGGER - 55 BAR DIAMETERS
  - ALL SPLICES TO BE STAGGERED A MINIMUM OF 4'-0". TOP BAR AND BOTTOM BAR SPLICES TO BE LOCATED AT MID-SPAN AND WITHIN 1/3 SPAN RESPECTIVELY.
- CORNER REINFORCING BARS SHALL BE USED AT ALL CORNERS AND INTERSECTIONS.
- EXTEND THE SLAB REINFORCING STEEL PERPENDICULAR TO EXTERIOR GRADE BEAM TO THE TOP OUT SIDE REINFORCING BAR OF BEAM.
- SPACE REINFORCING BARS WITH MINIMUM CLEAR SPACING IN ACCORDANCE WITH ACI 318 OF ONE BAR DIAMETER, BUT NOT LESS THAN 1 INCH. FOR COMPRESSION MEMBERS, SPACE AT A MINIMUM OF 1.5 INCHES OR 1.5 BAR DIAMETERS, WHICHEVER IS GREATER.
- WHERE REINFORCING BARS ARE PLACED IN MULTIPLE LAYERS, PLACE UPPER BARS DIRECTLY ABOVE LOWER BARS.
- MAINTAIN CONCRETE COVER AROUND REINFORCEMENT IN ACCORDANCE WITH ACI 318 AND AS FOLLOWS:
  - FOOTING AND CONCRETE CAST AGAINST EARTH - 3 INCHES
  - EXPOSED TO EARTH OR WEATHER
    - #6 BARS AND BIGGER - 2 INCHES
    - #5 BARS AND SMALLER - 1.5 INCHES
  - BEAMS AND COLUMNS - 1.5 INCHES
  - SLABS AND WALLS - 1 INCH
- REPAIR ANY DAMAGE TO VAPOR RETARDER PER MANUFACTURER SPECIFICATIONS.
- ADDITIONAL REINFORCING TO BE PROVIDED ON SITE FOR USE AS DIRECTED BY STRUCTURAL ENGINEER.
  - #4 BARS - 100 FT.
  - #5 BARS - 100 FT.
  - #6 BARS - 100 FT.

## CONCRETE

- ALL CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH ACI 318 AND ACI 301 LATEST EDITION.
- CEMENT SHALL CONFORM TO ASTM C150 TYPE I AGGREGATE SHALL CONFORM TO ASTM C33.
- CONCRETE SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH AS FOLLOWS:
 

MEMBER TYPE	STRENGTH	SLUMP	MAX AGG.
FOUNDATION	3000 PSI	4"-6"	1.5 IN.
AND SLAB			
- INSTALL 15 MIL VAPOR RETARDER UNDER SLABS ON GRADE AND ALONG SIDE OF TRENCHES IN ACCORDANCE WITH ASTM E1643. LAP JOINTS MINIMUM OF 6 INCHES.
- PLACE CONCRETE CONTINUOUSLY BETWEEN PRE-DETERMINED EXPANSION AND CONSTRUCTION JOINTS.
- ALL CONSTRUCTION JOINT LOCATIONS TO BE APPROVED BY ARCHITECT AND STRUCTURAL ENGINEER.
- HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE PERMITTED.
- CURE CONCRETE IN ACCORDANCE WITH ACI 308.1
- REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR LOCATIONS OF ALL SLAB DEPRESSIONS, OPENINGS, ACCESSORIES, ETC.
- CONDUIT AND PLUMBING LINES SHALL BE PLACED BELOW SLAB REINFORCEMENT AND SHALL BE NO LARGER THAN 1 INCH IN DIAMETER.
- FLYASH MAY BE USED TO REPLACE A PORTION OF THE PORTLAND CEMENT. THE RATIO OF FLYASH TO THE TOTAL OF THE FLYASH AND CEMENT IN A MIX SHALL NOT EXCEED 25%. FLYASH SHALL CONFORM TO ASTM C618, TYPE C OR F.
- ALL FLOORS SHALL BE CONSTRUCTED WITH A MINIMUM FLATNESS FF = 35 AND A MINIMUM LEVELNESS OF FL=25.
- TESTING OF CONCRETE SHALL BE DONE AS FOLLOWS:
  - SETS SHALL CONSIST OF 3 CYLINDERS ONE TESTED AT 7 DAYS TWO TESTED AT 28 DAYS
  - ONE SET SHALL BE TAKEN FOR EACH 150 CY AND FOR EVERY 5000 SF OF SURFACE AREA AND AT LEAST ONCE PER DAY OF PLACING CONCRETE
  - A MINIMUM OF 3 SETS SHALL BE TAKEN FOR EACH CLASS OF CONCRETE
- NO WATER SHALL BE ADDED TO THE CONCRETE AT THE JOBSITE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE CONCRETE SUPPLIER TO ENSURE A PUMPABLE AND WORKABLE MIX WITHOUT THE ADDITION OF WATER AT THE JOBSITE. THE USE OF PLASTICIZERS, RETARDANTS AND OTHER ADDITIVES SHALL BE AT THE OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER. FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER FOR THE PROPER USE OF ADDITIVES. THE USE OF CALCIUM CHLORIDE OR OTHER CHLORIDE BEARING SALTS SHALL NOT BE PERMITTED.
- PLACE CONCRETE IN A MANNER SO AS TO PREVENT SEGREGATION OF THE MIX. DELAY FLOATING AND TROWELING OPERATIONS UNTIL CONCRETE HAS LOST SURFACE WATER SHEEN OR ALL FREE WATER. DO NOT SPRINKLE FREE CEMENT ON THE SLAB SURFACE. FINISHING OF SLAB SURFACES SHALL COMPLY WITH THE RECOMMENDATIONS OF ACI 302.1 AND 304.

## CONCRETE ( CONTINUED )

- PLACE CONCRETE IN A MANNER SO AS TO PREVENT SEGREGATION OF THE MIX. DELAY FLOATING AND TROWELING OPERATIONS UNTIL CONCRETE HAS LOST SURFACE WATER SHEEN OR ALL FREE WATER. DO NOT SPRINKLE FREE CEMENT ON THE SLAB SURFACE. FINISHING OF SLAB SURFACES SHALL COMPLY WITH THE RECOMMENDATIONS OF ACI 302.1 AND 304.
- UNLESS SPECIFIED, CONCRETE MUST REACH THE FOLLOWING PERCENTAGES OF ITS 28-DAY COMPRESSIVE STRENGTH (F<sub>c</sub>) BEFORE FORMS MAY BE REMOVED.
 

WALL, COLUMNS, & BEAM SIDES.....	40%
----------------------------------	-----
- NO CONCRETE SHALL BE PLACED OUTSIDE OF THESE SPECIFICATIONS WITHOUT THE OWNER'S PRIOR APPROVAL. ANY ITEMS NOT IN COMPLIANCE WITH THE OUTLINED SPECIFICATION SHALL BE REPORTED TO THE OWNER AND STRUCTURAL ENGINEER WITHIN 24 HOURS.

## EXCAVATION NOTES

- CONSTRUCTION AREAS REMOVE AT LEAST 12 INCHES OF TOP SOIL, VEGETATION, DEBRIS, ETC., FROM THE PROPOSED FREEZER PAD AREA.
- EXPOSED SUBGRADE SHOULD BE THOROUGHLY PROOF ROLLED IN ORDER TO LOCATE AND DENSIFY ANY WEAK, COMPRESSIBLE ZONES. WEAK OR SOFT AREAS IDENTIFIED DURING PROOF ROLLING SHOULD BE REMOVED AND REPLACED WITH A SUITABLE, COMPACTED SELECT FILL IN ACCORDANCE WITH THE REQUIREMENTS BELOW. PRIOR TO FILL PLACEMENT, THE EXPOSED SUBGRADE SHOULD BE MOISTURE CONDITIONED BY SCARIFYING TO A MINIMUM DEPTH OF 8" AND RECOMPACTING TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED FROM THE ASTM D698 COMPACTION TEST. THE MOISTURE CONTENT SHOULD BE MAINTAINED WITHIN THE OPTIMUM TO 3% ABOVE.
- FILL BACK TO REQUIRED GRADE (A MINIMUM OF 12" OF SELECT FILL IS REQUIRED. REFER TO CIVIL PLANS FOR FINISHED FLOOR ELEVATION TO DETERMINE ADDITIONAL AMOUNT OF SELECT FILL NEEDED) WITH MATERIAL SELECTED AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS BELOW.
  - MEET THE TxDOT 2004 STANDARD SPECIFICATION FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES, ITEM 247 FLEXIBLE BASE, TYPE A, TYPE B, OR TYPE C, GRADES 1 THROUGH 3.
- SELECT FILL, WHEN PROPERLY SLAKED AND TESTED BY STANDARD LABORATORY METHODS, SHALL MEET THE FOLLOWING REQUIREMENTS:
  - THE FOLLOWING SOILS, AS CLASSIFIED ACCORDING TO THE USCS, MAY BE CONSIDERED SATISFACTORY FOR USE AS SELECT FILL MATERIALS AT THIS SITE: SC, GC, AND COMBINATIONS OF THESE SOILS. IN ADDITION TO THE USCS CLASSIFICATION, ALTERNATIVE SELECT FILL MATERIALS SHALL HAVE A MAXIMUM LIQUID LIMIT OF 35 PERCENT, A PLASTICITY INDEX BETWEEN 7 AND 20 PERCENT, AND A MAXIMUM PARTICLE SIZE NOT EXCEEDING 4 INCHES OR ONE-HALF THE LOOSE LIFT THICKNESS, WHICHEVER IS SMALLER.

## ALTERNATIVELY

- SAMPLES OF PROPOSED SELECT FILL SHALL BE FURNISHED TO THE TESTING LABORATORY 7 DAYS PRIOR TO INSTALLATION TO PERMIT TIME FOR SPECIFICATION COMPLIANCE INSPECTION AND APPROVAL.
- SELECT FILL UNDER ALL FLOORS AND WALKS SHALL BE COMPACTED IN THE FIELD IN LIFTS NOT TO EXCEED 8" TO A MINIMUM 95% OF THE MAXIMUM DENSITY, 2% BELOW OR 2% ABOVE OF THE OPTIMUM MOISTURE CONTENT, AS DETERMINED BY TEST METHOD ASTM D698
- SITE PREPARATION TESTING SHALL BE AS FOLLOWS:
  - ATTERBERG LIMITS OF SELECT FILL MATERIAL:
    - ONE TEST PER 5,000 CY
  - COMPACTION TEST:
    - TO BE PERFORMED PER LIFT ON TEST PER 3,000 SF MINIMUM
    - OF (4) FOUR TEST PER LIFT
- FINAL SITE GRADING TO SLOPE AWAY FROM THE STRUCTURE AND SHALL PREVENT WATER FROM PONDING IN THE AREAS ADJACENT TO THE STRUCTURE FOR A MINIMUM DISTANCE OF 10'-0". ANY PONDING CLOSE TO THE STRUCTURE MAY CREATE VOLUMETRIC CHANGES IN THE SOIL AND MAY LEAD TO LESS THAN OPTIMUM PERFORMANCE OF THE BUILDING FOUNDATION.

## CONTRACTOR NOTE

THE STRUCTURAL SYSTEM FOR THIS PROJECT SHALL NOT BE CONSTRUCTED BY USING THE STRUCTURAL DRAWINGS ALONE. THESE DRAWINGS WERE DEVELOPED FROM DATA DERIVED PRIMARILY FROM THE ARCHITECTURAL DRAWINGS AND SECONDARILY FROM MEP, CIVIL AND OTHER DISCIPLINES' DOCUMENTS. IT IS INTENDED THAT CONSTRUCTION PROCEED BY UTILIZING ALL OF THE INFORMATION CONTAINED IN THE ENTIRE SET OF CONSTRUCTION DOCUMENTS TAKEN AS A WHOLE; FAILURE TO DO SO WILL RESULT IN ERRORS WHICH SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

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## STRUCTURAL TESTS AND SPECIAL INSPECTION

- THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THIS SECTION.
- THE FOLLOWING TERMS AND PHRASES SHALL HAVE THE MEANINGS SHOWN BELOW AS IT PERTAINS TO THIS SECTION.
  - APPROVED AGENCY- AN ESTABLISHED AND RECOGNIZED AGENCY REGULARLY ENGAGED IN CONDUCTING AND FURNISHING SPECIAL INSPECTION SERVICES.
  - APPROVED FABRICATOR - AN ESTABLISHED AND QUALIFIED FIRM APPROVED BY BUILDING OFFICIAL. SPECIAL INSPECTIONS ARE NOT REQUIRED WHEN WORK IS PERFORMED ON THE PREMISES OF AN APPROVED FABRICATOR.
  - SPECIAL INSPECTION- CONTINUOUS- THE FULL TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION.
  - SPECIAL INSPECTION, PERIODIC - THE PART TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION.
- SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED THEY SHALL BE BROUGHT TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
- THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION.

TABLE 1704.4  
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD*	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	---	X	ACI 318: 3.5, 7.1-7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5b.	---	---	AWS D1.4 ACI 318: 3.5.2	---
3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED.	X	---	---	1911.5
4. VERIFYING USE OF REQUIRED DESIGN MIX.	---	X	ACI 318: Ch. 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1913.10
6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X	ACI 318: 5.11-5.13	1913.9
8. INSPECTION OF PRESTRESSED CONCRETE: <ol style="list-style-type: none"> <li>APPLICATION OF PRESTRESSING FORCES.</li> <li>GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.</li> </ol>	X X	---	ACI 318: 18.20 ACI 318: 18.18.4	---
9. ERECTION OF PRECAST CONCRETE MEMBERS.	---	X	ACI 318: Ch.16	---
10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	---	X	ACI 318: 6.2	---
11. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X	ACI 318: 6.1.1	---

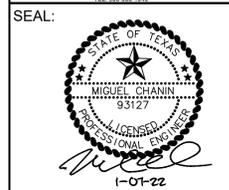
TABLE 1705.6  
REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	---	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	---
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X

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PROJECT: MCISD - BRYAN, MARCELL AND SALINAS ELEMENTARY SCHOOLS NEW STAND ALONE FREEZERS  
 MISSION, TX. 78574

JOB NO. 21-184

DATE. 01/07/22

DRAWN BY: VDV

CHECKED BY: M.C.

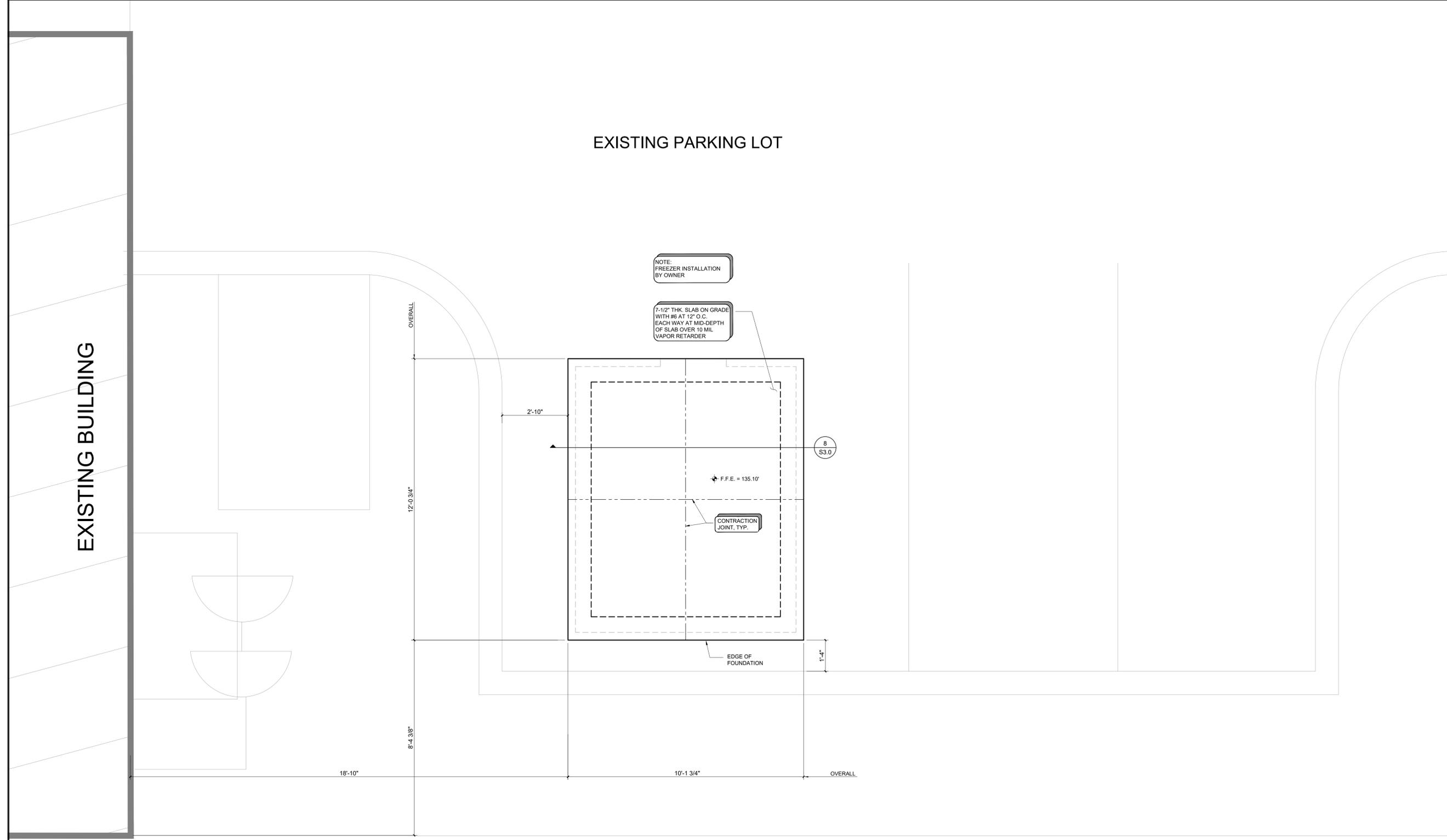
REVISION:

GENERAL NOTES

DRAWING NO.

S1.0

EXISTING PARKING LOT



NOTE:  
FREEZER INSTALLATION  
BY OWNER

7-1/2" THK. SLAB ON GRADE  
WITH #6 AT 12" O.C.  
EACH WAY AT MID-DEPTH  
OF SLAB OVER 10 MIL  
VAPOR RETARDER

CONTRACTION  
JOINT, TYP.

F.F.E. = 135.10'

EDGE OF  
FOUNDATION

**FOUNDATION NOTES:**

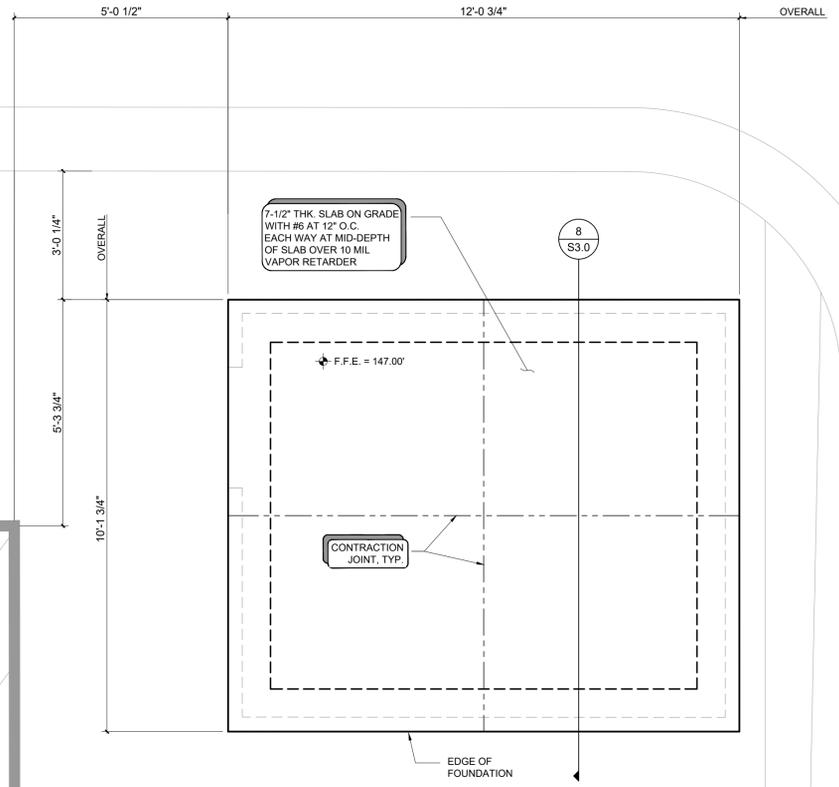
1. REFER TO EXCAVATION NOTES FOR SITE PREPARATION REQUIREMENTS.
2. CONTRACTOR SHALL VERIFY LOCATION AND ORIENTATION WITH MECHANICAL/CIVIL DRAWINGS PRIOR TO COMMENCING WORK.
3. CONTRACTOR SHALL COORDINATE WITH MECHANICAL/ELECTRICAL ANY CHANGES REQUIRED IN SLAB DIMENSIONS.
4. CONTRACTOR SHALL VERIFY SLAB OPENINGS WITH EQUIPMENT MANUFACTURER.
5. CONTRACTOR SHALL SUBMIT PROPOSED EQUIPMENT ATTACHMENT METHOD TO FOUNDATION FOR APPROVAL OR ADDITIONAL DIRECTIVE.



**FOUNDATION PLAN**  
SCALE: 1/2"=1'-0" (BRYAN ELEMENTARY)

EXISTING PARKING LOT

EXISTING BUILDING



**FOUNDATION NOTES:**

1. REFER TO EXCAVATION NOTES FOR SITE PREPARATION REQUIREMENTS.
2. CONTRACTOR SHALL VERIFY LOCATION AND ORIENTATION WITH MECHANICAL/CIVIL DRAWINGS PRIOR TO COMMENCING WORK.
3. CONTRACTOR SHALL COORDINATE WITH MECHANICAL/ELECTRICAL ANY CHANGES REQUIRED IN SLAB DIMENSIONS.
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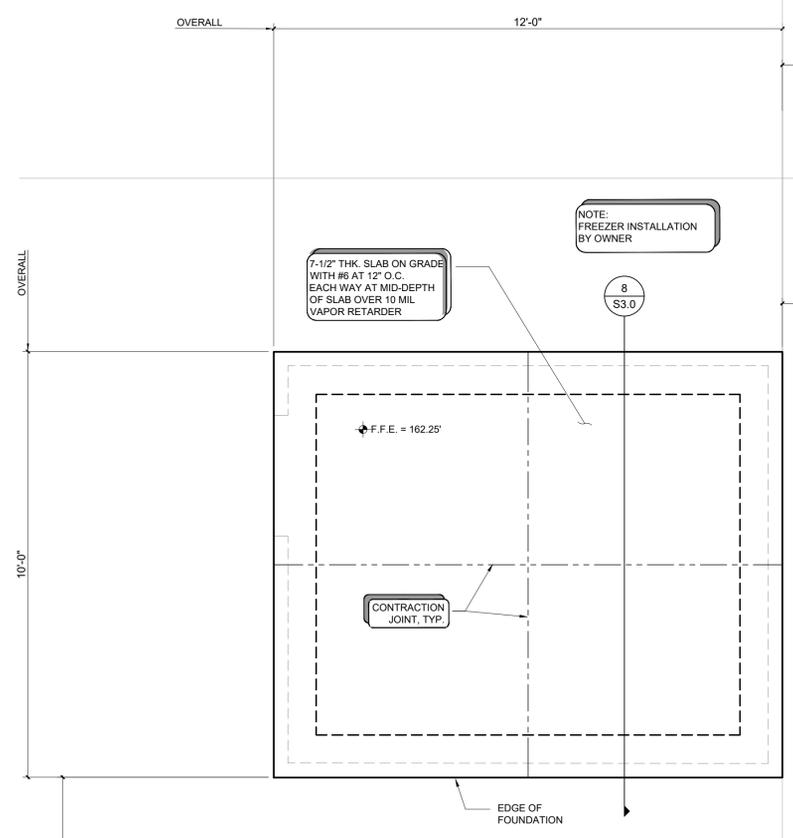


**FOUNDATION PLAN**  
SCALE: 1/2"=1'-0" (MARCELL ELEMENTARY)

EXISTING PARKING LOT

EXISTING BUILDING

EXISTING BUILDING



**FOUNDATION NOTES:**

1. REFER TO EXCAVATION NOTES FOR SITE PREPARATION REQUIREMENTS.
2. CONTRACTOR SHALL VERIFY LOCATION AND ORIENTATION WITH MECHANICAL/CIVIL DRAWINGS PRIOR TO COMMENCING WORK.
3. CONTRACTOR SHALL COORDINATE WITH MECHANICAL/ELECTRICAL ANY CHANGES REQUIRED IN SLAB DIMENSIONS.
4. CONTRACTOR SHALL VERIFY SLAB OPENINGS WITH EQUIPMENT MANUFACTURER.
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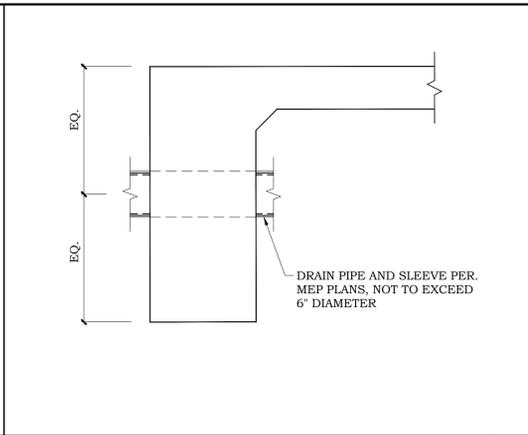
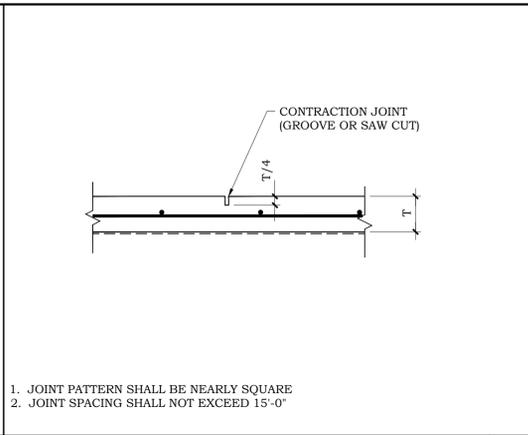


**FOUNDATION PLAN**  
SCALE: 1/2"=1'-0" (SALINAS ELEMENTARY)

NOT USED

17 NOT USED

13 NOT USED



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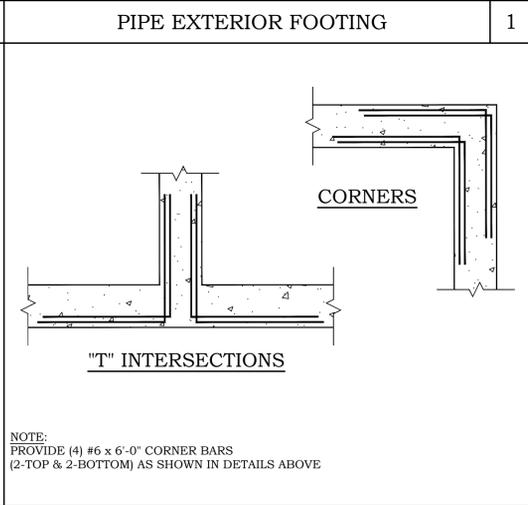
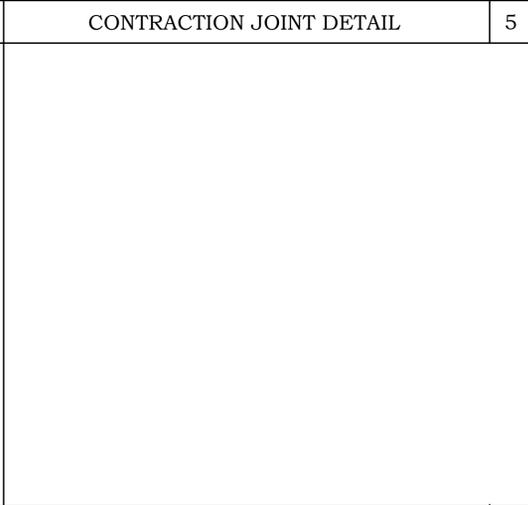
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SEAL:

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18 NOT USED

14 NOT USED



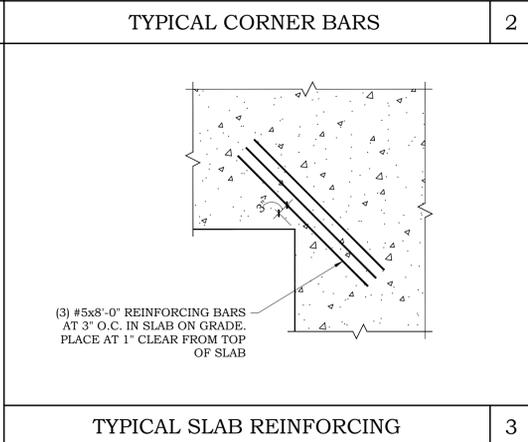
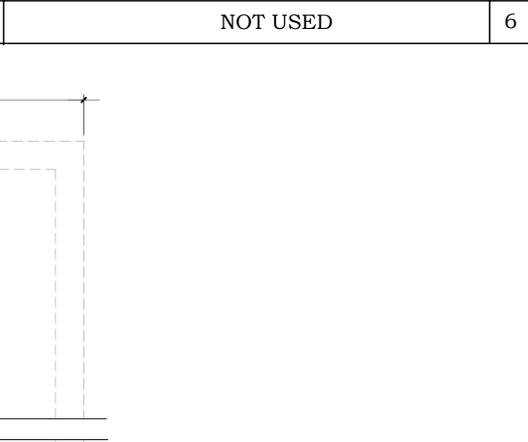
**Mission CISD**

PROJECT: **MCISD - BRYAN, MARCELL AND SALINAS ELEMENTARY SCHOOLS NEW STAND ALONE FREEZERS**  
 MISSION, TX. 78574

NOT USED

19 NOT USED

10 NOT USED

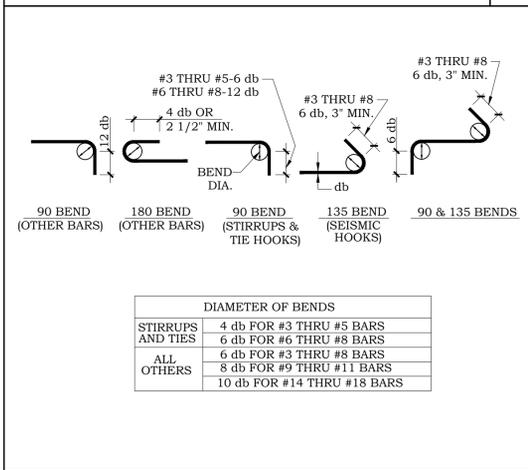
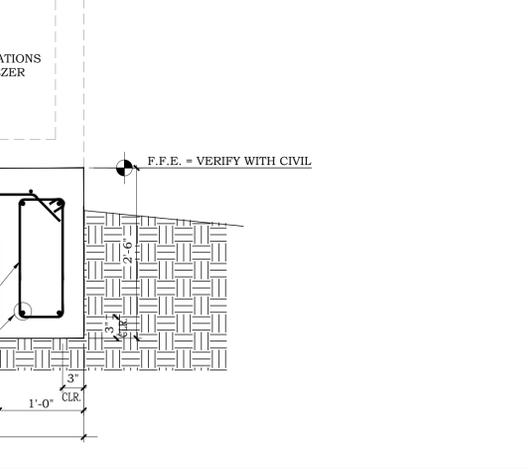
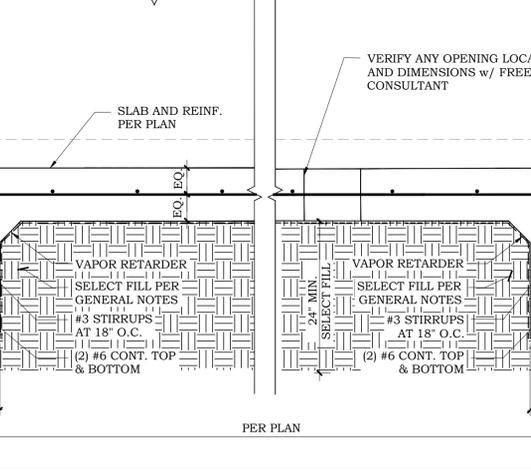


PROJECT: **MCISD - BRYAN, MARCELL AND SALINAS ELEMENTARY SCHOOLS NEW STAND ALONE FREEZERS**  
 MISSION, TX. 78574

JOB NO. 21-184  
 DATE: 01/07/22  
 DRAWN BY: VDV  
 CHECKED BY: M.C.

NOT USED

20 NOT USED



REVISION:

TYPICAL FOUNDATION DETAILS  
 DRAWING NO. **S3.0**



PROJECT: MCISD - BRYAN, MARCELL AND SALINAS  
ELEMENTARY SCHOOLS  
NEW STAND ALONE FREEZERS  
MISSION, TX. 78574

PROJECT:	MCISD - BRYAN, MARCELL AND SALINAS ELEMENTARY SCHOOLS NEW STAND ALONE FREEZERS MISSION, TX. 78574
JOB NO.	21-184
DATE	01/07/22
DRAWN BY	
CHECKED BY	
REVISION	
DRAWING NO.	<b>EP3.1</b>

**GENERAL ELECTRICAL NOTES:**

- A. WHERE MULTI-WIRE HOMERUNS ARE INSTALLED, GROUP HOMERUNS WITH THREE HOTS (A,B, AND C PHASE), AND #10 NEUTRAL TO PROVIDE MULTI-WIRE BRANCH CIRCUITS. NO MORE THAN 2 MULTI-WIRE HOMERUNS PER CONDUIT. CONTRACTOR IS REQUIRED TO FURNISH CALCULATIONS PROVING CONDUIT DE-RATING HAS BEEN INCORPORATED, INCLUDING CONDUIT FILL PERCENTAGE AND MULTI-CONDUCTOR DE-RATING FOR MULTI-WIRE CIRCUITS. THE NEUTRAL IS CONSIDERED A CURRENT CARRYING CONDUCTOR FOR ALL PHASE CONFIGURATIONS. MULTI-WIRE BRANCH CIRCUITS REQUIRE HANDLE TIES OR GROUPED BY ALL CIRCUITS SHARING A NEUTRAL. REFERENCE CURRENTLY ADOPTED NEC ARTICLE 210.
- B. CONTRACTOR SHALL VERIFY EQUIPMENT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
- C. NEW ELECTRICAL EQUIPMENT LOCATED IN ELECTRICAL ROOMS SHALL BE ARRANGED TO COMPLY WITH LATEST NEC ARTICLE 110.
- D. LABEL ALL CIRCUITS AT ALL JUNCTION BOXES AND OUTLETS (AS DEFINED BY NEC) WITH TYPE-WRITTEN LABEL IDENTIFYING CIRCUIT ON THE BACK OF DEVICE COVER PLATES OR ON COVER OF JUNCTION BOX. IF A BOX HAS MULTIPLE CIRCUITS WITHIN, LABEL ALL CIRCUITS.
- E. ALL CONDUIT SHALL BE ROUTED 2'-0" BELOW GRADE FROM FREEZER TO BUILDING. STUB UP AT BUILDING PRIOR TO PENETRATING EXTERIOR WALL. COORDINATE EXACT ROUTING WITH OWNER IN FIELD PRIOR TO ROUGH-IN.

**ELECTRICAL KEYED NOTES:**

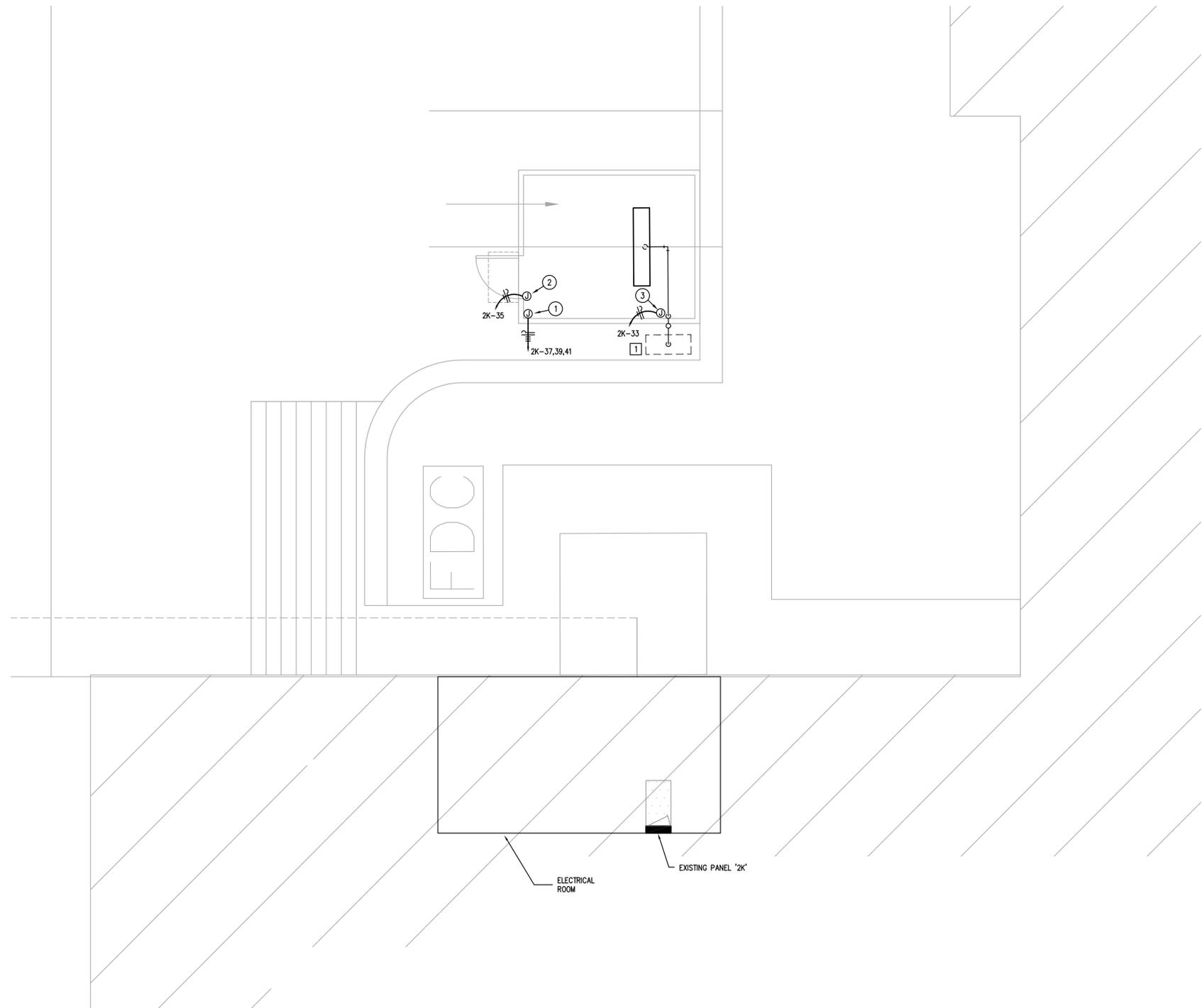
- ① SINGLE POINT CONNECTION FOR WALK-IN UNIT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNISHED EQUIPMENT.
- ② CONNECTION FOR DOOR HEATER AND LIGHTS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNISHED EQUIPMENT.
- ③ CONNECTION FOR CONDENSATE LINE HEAT TRACE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNISHED EQUIPMENT.

**GENERAL PLUMBING NOTES:**

- A. ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE PREVAILING BUILDING CODES AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
- B. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE OWNER'S MOST RECENT STANDARDS AND REQUIREMENTS FOR CONSTRUCTION. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH SUCH REQUIREMENTS, UNLESS THE PREVAILING CODE OR THESE DOCUMENTS INDICATE A HIGHER STANDARD, WHICH SHALL GOVERN.
- C. COORDINATE FIXTURE AND EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH LATEST ARCHITECTURAL DRAWINGS, SPECIFICATIONS, AND MANUFACTURER RECOMMENDATIONS PRIOR TO ANY ROUGH-INS.
- D. INSTALLATIONS WHICH DO NOT ADHERE TO THE REQUIREMENTS INDICATED WITHIN THE CONTRACT DOCUMENTS OR WHICH ARE INCORRECT DUE TO LACK OF FIELD COORDINATION, ETC. SHALL BE CORRECTED SOLELY AT THE CONTRACTOR'S EXPENSE, WITH NO EXCEPTIONS.

**PLUMBING KEYED NOTES:**

- ① PROVIDE FULL SIZE NEW INSULATED COPPER CONDENSATE PIPING AS SHOWN AND ROUTE PIPING INSIDE OF FREEZER SPACE. ATTACH CONDENSATE PIPING TO WALL USING UNISTRUT AND CLAMP SYSTEM. MAINTAIN 1/4 INCH PER FOOT SLOPE FOR PROPER DRAINAGE. PROVIDE TRAP IN A WARM AMBIENT OUTSIDE OF THE FREEZER. DRAIN LINE FROM MECHANICAL EQUIPMENT TO DRYWELL. REFER TO DETAIL 3/EP4.1. PROVIDE 20 WATTS PER LINEAR FOOT OF DRAIN LINE HEAT TRACE CABLE SYSTEM TO PROTECT FROM FREEZING OF CONDENSATE LINES INSIDE FREEZER. FIELD VERIFY EXACT LENGTH OF HEAT TRACE CABLE AND SIZE CABLE ACCORDINGLY.



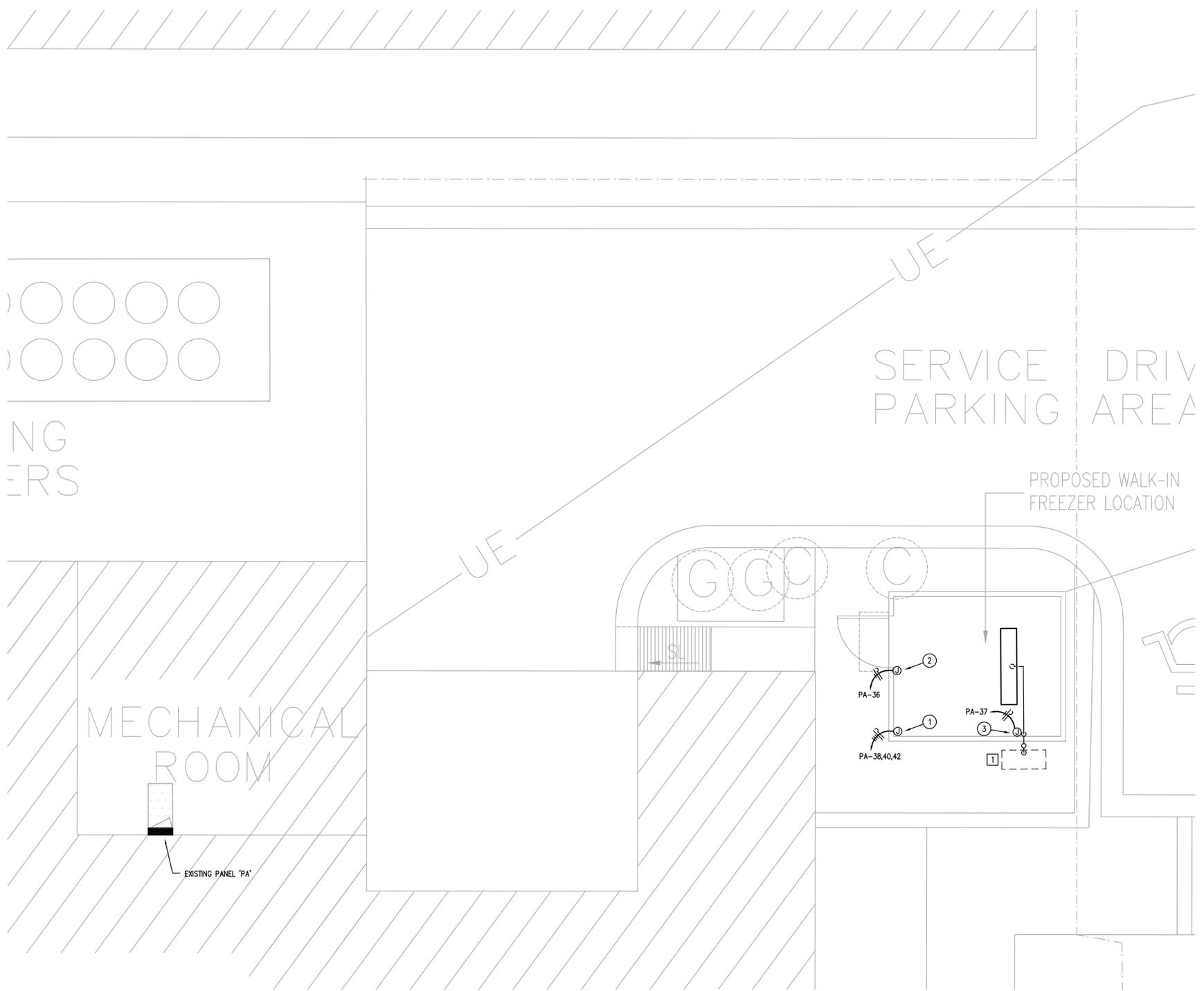
**1 ENLARGED ELECTRICAL AND PLUMBING PLAN - SALINAS ES**  
EP3.1 1/4"=1'-0"

DBR Project Number	218024.000
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PROJECT: MCISD - BRYAN, MARCELL AND SALINAS  
ELEMENTARY SCHOOLS  
NEW STAND ALONE FREEZERS  
MISSION, TX. 78574

PROJECT:	MCISD - BRYAN, MARCELL AND SALINAS ELEMENTARY SCHOOLS NEW STAND ALONE FREEZERS MISSION, TX. 78574
JOB NO.	21-184
DATE	01/07/22
DRAWN BY:	
CHECKED BY:	
REVISION:	
DRAWING NO.	<b>EP3.2</b>



**GENERAL ELECTRICAL NOTES:**

- WHERE MULTI-WIRE HOMERUNS ARE INSTALLED, GROUP HOMERUNS WITH THREE HOTS (A, B, AND C PHASE), AND #10 NEUTRAL TO PROVIDE MULTI-WIRE BRANCH CIRCUITS. NO MORE THAN 2 MULTI-WIRE HOMERUNS PER CONDUIT. CONTRACTOR IS REQUIRED TO FURNISH CALCULATIONS PROVING CONDUCTOR DE-RATING HAS BEEN INCORPORATED, INCLUDING CONDUIT FILL PERCENTAGE AND MULTI-CONDUCTOR DE-RATING FOR MULTI-WIRE CIRCUITS. THE NEUTRAL IS CONSIDERED A CURRENT CARRYING CONDUCTOR FOR ALL PHASE CONFIGURATIONS. MULTI-WIRE BRANCH CIRCUITS REQUIRE HANDLE TIES ON GROUPED BY ALL CIRCUITS SHARING A NEUTRAL. REFERENCE CURRENTLY ADOPTED NEC ARTICLE 210.
- CONTRACTOR SHALL VERIFY EQUIPMENT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
- NEW ELECTRICAL EQUIPMENT LOCATED IN ELECTRICAL ROOMS SHALL BE ARRANGED TO COMPLY WITH LATEST NEC ARTICLE 110.
- LABEL ALL CIRCUITS AT ALL JUNCTION BOXES AND OUTLETS (AS DEFINED BY NEC) WITH TYPE-WRITTEN LABEL IDENTIFYING CIRCUIT ON THE BACK OF DEVICE COVER PLATES OR ON COVER OF JUNCTION BOX. IF A BOX HAS MULTIPLE CIRCUITS WITHIN, LABEL ALL CIRCUITS.
- ALL CONDUIT SHALL BE ROUTED 2'-0" BELOW GRADE FROM FREEZER TO BUILDING. STUB UP AT BUILDING PRIOR TO PENETRATING EXTERIOR WALL. COORDINATE EXACT ROUTING WITH OWNER IN FIELD PRIOR TO ROUGH-IN.

**ELECTRICAL KEYED NOTES:**

- SINGLE POINT CONNECTION FOR WALK-IN UNIT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNISHED EQUIPMENT.
- CONNECTION FOR DOOR HEATER AND LIGHTS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNISHED EQUIPMENT.
- CONNECTION FOR CONDENSATE LINE HEAT TRACE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNISHED EQUIPMENT.

**GENERAL PLUMBING NOTES:**

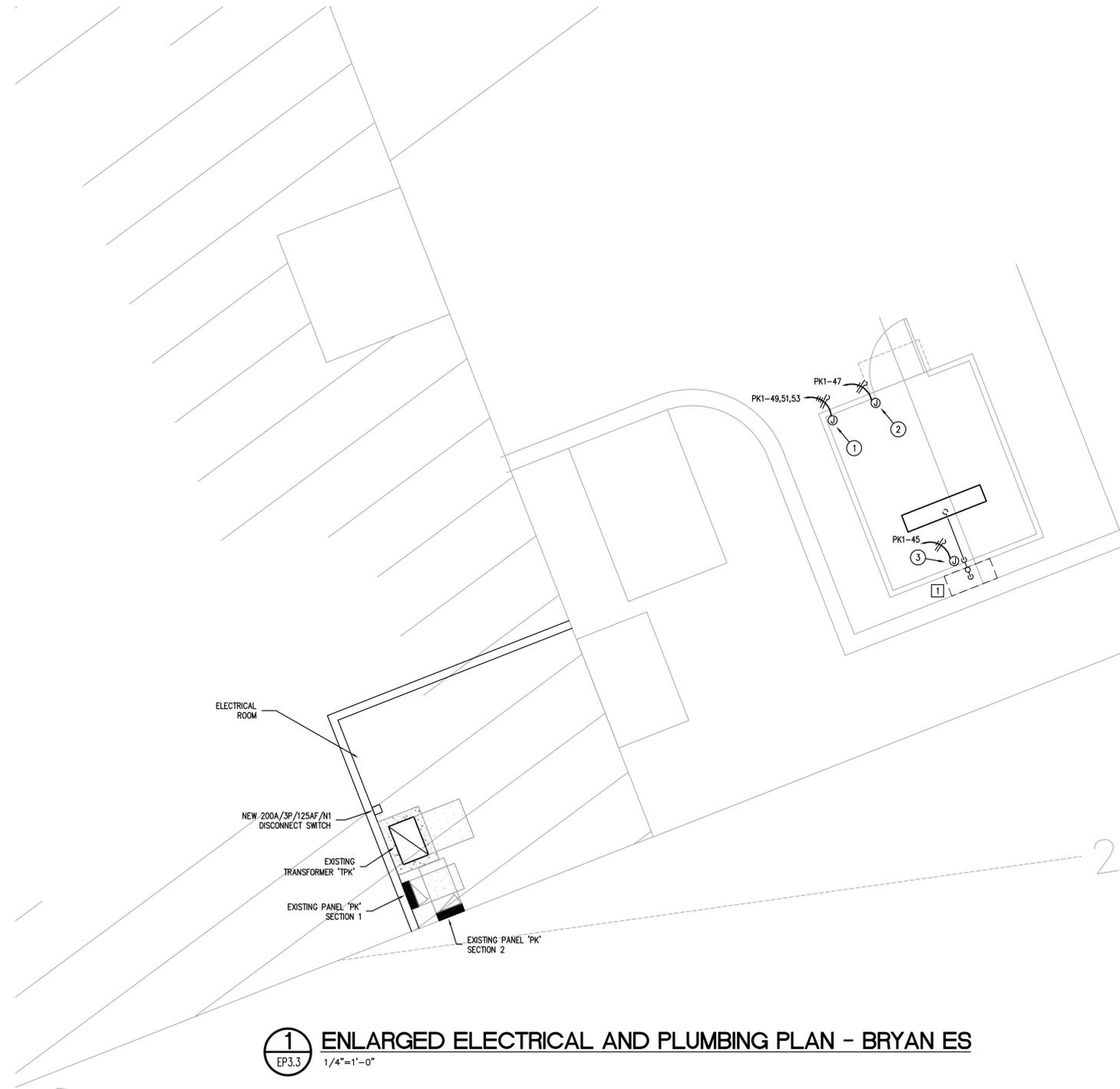
- ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE PREVAILING BUILDING CODES AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE OWNER'S MOST RECENT STANDARDS AND REQUIREMENTS FOR CONSTRUCTION. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH SUCH REQUIREMENTS, UNLESS THE PREVAILING CODE OR THESE DOCUMENTS INDICATE A HIGHER STANDARD, WHICH SHALL GOVERN.
- COORDINATE FIXTURE AND EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH LATEST ARCHITECTURAL DRAWINGS, SPECIFICATIONS, AND MANUFACTURER RECOMMENDATIONS PRIOR TO ANY ROUGH-INS.
- INSTALLATIONS WHICH DO NOT ADHERE TO THE REQUIREMENTS INDICATED WITHIN THE CONTRACT DOCUMENTS OR WHICH ARE INCORRECT DUE TO LACK OF FIELD COORDINATION, ETC. SHALL BE CORRECTED SOLELY AT THE CONTRACTOR'S EXPENSE, WITH NO EXCEPTIONS.

**PLUMBING KEYED NOTES:**

- PROVIDE FULL SIZE NEW INSULATED COPPER CONDENSATE PIPING AS SHOWN AND ROUTE PIPING INSIDE OF FREEZER SPACE. ATTACH CONDENSATE PIPING TO WALL USING UNISTRUT AND CLAMP SYSTEM. MAINTAIN 1/4 INCH PER FOOT SLOPE FOR PROPER DRAINAGE. PROVIDE TRAP IN A WARM AMBIENT OUTSIDE OF THE FREEZER. DRAIN LINE FROM MECHANICAL EQUIPMENT TO DRYWELL. REFER TO DETAIL 3/EP4.1. PROVIDE 20 WATTS PER LINEAR FOOT OF DRAIN LINE HEAT TRACE CABLE SYSTEM TO PROTECT FROM FREEZING OF CONDENSATE LINES INSIDE FREEZER. FIELD VERIFY EXACT LENGTH OF HEAT TRACE CABLE AND SIZE CABLE ACCORDINGLY.

**1** ENLARGED ELECTRICAL AND PLUMBING PLAN - MARCELL ES  
EP3.2 1/4"=1'-0"





**1 ENLARGED ELECTRICAL AND PLUMBING PLAN - BRYAN ES**  
 EP3.3 1/4"=1'-0"

**GENERAL ELECTRICAL NOTES:**

- A. WHERE MULTI-WIRE HOMERUNS ARE INSTALLED, GROUP HOMERUNS WITH THREE HOTS (A, B, AND C PHASE), AND #10 NEUTRAL TO PROVIDE MULTI-WIRE BRANCH CIRCUITS. NO MORE THAN 2 MULTI-WIRE HOMERUNS PER CONDUIT. CONTRACTOR IS REQUIRED TO FURNISH CALCULATIONS PROVING CONDUCTOR DE-RATING HAS BEEN INCORPORATED, INCLUDING CONDUIT FILL PERCENTAGE AND MULTI-CONDUCTOR DE-RATING FOR MULTI-WIRE CIRCUITS. THE NEUTRAL IS CONSIDERED A CURRENT CARRYING CONDUCTOR FOR ALL PHASE CONFIGURATIONS. MULTI-WIRE BRANCH CIRCUITS REQUIRE HANDLE TIES OR GROUPED BY ALL CIRCUITS SHARING A NEUTRAL. REFERENCE CURRENTLY ADOPTED NEC ARTICLE 210.
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**ELECTRICAL KEYED NOTES:**

- 1 SINGLE POINT CONNECTION FOR WALK-IN UNIT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNISHED EQUIPMENT.
- 2 CONNECTION FOR DOOR HEATER AND LIGHTS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNISHED EQUIPMENT.
- 3 CONNECTION FOR CONDENSATE LINE HEAT TRACE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNISHED EQUIPMENT.

**GENERAL PLUMBING NOTES:**

- A. ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE PREVAILING BUILDING CODES AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
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 MISSION, TX 78201  
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**MCISD - BRYAN, MARCELL AND SALINAS  
 ELEMENTARY SCHOOLS  
 NEW STAND ALONE FREEZERS**  
 MISSION, TX. 78574

PROJECT:

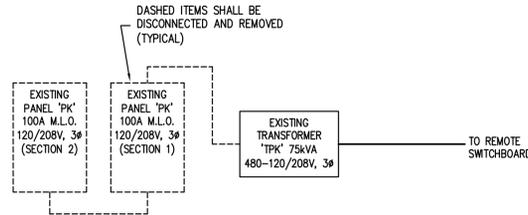
JOB NO. 21-184
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DRAWN BY.
CHECKED BY:
REVISION:
DRAWING NO. <b>EP3.3</b>

200 South 10th Street Suite 901  
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 TBPE Firm Registration No. 2234

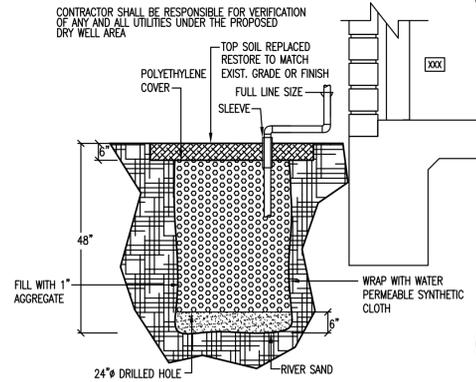
DBR Project Number 218024.000  
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**ONE-LINE DIAGRAM NOTES:**

- A. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING PANEL 'PK' AND EXISTING FEEDER.
- B. ALL EXISTING BRANCH CIRCUITS ARE TO REMAIN. CONTRACTOR SHALL INSTALL NEW PANEL 'PK' IN SAME LOCATION AS EXISTING PANEL 'PK' TO BE REMOVED. ALL EXISTING BRANCH CIRCUITS SHALL BE RECONNECTED TO NEW PANEL 'PK' IN SAME BREAKER SPACE NUMBER WITH SAME BREAKER SIZE.
- C. CONTRACTOR SHALL FULLY COORDINATE AND SCHEDULE THE REMOVAL OF EXISTING PANEL 'PK' AND THE INSTALLATION OF NEW PANEL 'PK' WITH MGS STAFF TO REDUCE DOWNTIME AS MUCH AS POSSIBLE.

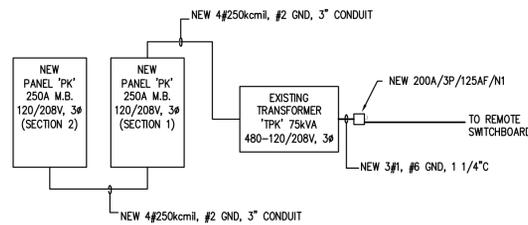


**1 ONE-LINE DIAGRAM - EXISTING CONDITIONS - BRYAN E.S.**  
EP4.1 N.T.S.



- NOTE: 1. FURNISH AND PROVIDE ALL REQUIRED CONDENSATE 1" NPT PVC PIPE SCHEDULE 40.
- 2. PROVIDE REQUIRED P-TRAPS

**3 DRYWELL DETAIL**  
EP4.1 N.T.S.



**2 ONE-LINE DIAGRAM - NEW CONDITIONS - BRYAN E.S.**  
EP4.1 N.T.S.

**PANEL SCHEDULE NOTES:**

- 1. EXISTING CIRCUIT TO REMAIN.
- 2. NEW CIRCUIT. PROVIDE NEW BREAKER, SIZE AS SHOWN.

**BRYAN E.S. Panelboard PK-1**

10,000 AIC Rating														
Existing														
X New														
120/208 Volt, 3-Phase, 4-Wire				X MCB				Single				Mounting		
1 Section				250 AMP MCB				Double				X Surface		
1 -Nema Rating				400 AMP BUS (Copper)				Feed - Thru				Flush		
Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
1	1200	EXISTING CIRCUIT	R	12	20/1	1	A	2	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	3	B	4	20/1	12	R	EXISTING CIRCUIT	1200	1
1	5000	EXISTING CIRCUIT	K	4	70/2	5	C	6	90/3	3	K	EXISTING CIRCUIT	7000	1
1	5000	EXISTING CIRCUIT	K	4	70/2	7	A	8	20/1	12	R	EXISTING CIRCUIT	1200	1
1	2000	EXISTING CIRCUIT	K	10	30/2	9	B	10	20/1	12	R	EXISTING CIRCUIT	1200	1
1	2000	EXISTING CIRCUIT	K	10	30/2	11	C	12	20/1	12	R	EXISTING CIRCUIT	1200	1
1	2000	EXISTING CIRCUIT	K	10	30/3	13	A	14	20/1	12	R	EXISTING CIRCUIT	1200	1
1	2000	EXISTING CIRCUIT	K	10	30/3	15	B	16	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	19	A	20	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	21	B	22	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	23	C	24	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	25	A	26	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	27	B	28	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	29	C	30	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	31	A	32	20/2	12	K	EXISTING CIRCUIT	1200	1
1		EXISTING CIRCUIT	K	4	70/3	33	B	34	20/1	12	R	EXISTING CIRCUIT	1200	1
1		EXISTING CIRCUIT	K	4	70/3	35	C	36	20/1	12	R	EXISTING CIRCUIT	1200	1
1		EXISTING CIRCUIT	K	3	100/3	37	A	38	20/1	12	R	EXISTING CIRCUIT	1200	1
1		EXISTING CIRCUIT	K	3	100/3	39	B	40	20/1	12	R	EXISTING CIRCUIT	1200	1
1		EXISTING CIRCUIT	K	3	100/3	41	C	42	100/3	3	SP	POWER FOR GYM		1
1		EXISTING CIRCUIT	K	3	100/3	43	A	44	100/3	3	SP			
2	200	WALK-IN HEAT TRACE	M	12	20/1	45	B	46				SPACE		
2	350	WALK-IN DOOR CIRCUIT	M	12	20/1	47	C	48				SPACE		
2	1656	WALK-IN FREEZER	M	12	20/3	49	A	50				SPACE		
2	1656	WALK-IN FREEZER	M	12	20/3	51	B	52				SPACE		
2	1656	WALK-IN FREEZER	M	12	20/3	53	C	54				SPACE		
Subtotal												40,200		

N.E.C. (2011)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2011)	Load Type	Conn.	Fct.	Diversity
220.44	(R) Recept.	27,600	18,800	220.12	(L) Lighting	0	125%	0	
220.56	(K) Kitchen	43,400	65%	28,210	220.12	(EL) Ext. Ltg.	0	125%	0
220.60	(C) Cooling	0	0%	0	620.14	(E) Elevators	0	100%	0
220.60	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220.60	(F) Fans	0	100%	0	220.5	(MT) Lrg. Mot.	0	125%	0
630.11	(W) Welders	0	0	0		(SP) Sub Panel	0	100%	0
	(M) Misc.	5,518	100%	5,518					
Total Connected Load =		76,518 VA =		212.6 AMPS		Location of Panel:		ELECTRICAL ROOM	
Total Load (Diversified)=		52,528 VA =		145.9 AMPS					

**BRYAN E.S. Panelboard PK-2**

10,000 AIC Rating														
Existing														
X New														
120/208 Volt, 3-Phase, 4-Wire				X MCB				Single				Mounting		
1 Section				250 AMP MCB				Double				X Surface		
1 -Nema Rating				400 AMP BUS (Copper)				Feed - Thru				Flush		
Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
		EXISTING CIRCUIT		12	20/1	1	A	2	20/1	12	R	EXISTING CIRCUIT		
		EXISTING CIRCUIT		12	20/1	3	B	4	20/1	12	R	EXISTING CIRCUIT		
		EXISTING CIRCUIT		12	20/1	5	C	6	20/1	12	R	EXISTING CIRCUIT		
		EXISTING CIRCUIT		12	20/1	7	A	8	20/1	12	R	EXISTING CIRCUIT		
		EXISTING CIRCUIT		12	20/1	9	B	10	20/1	12	R	EXISTING CIRCUIT		
		EXISTING CIRCUIT		12	20/1	11	C	12	20/1	12	R	EXISTING CIRCUIT		
		EXISTING CIRCUIT		12	20/1	13	A	14	30/1	10	R	EXISTING CIRCUIT		
		EXISTING CIRCUIT		4	70/2	15	B	16	30/1	10	R	EXISTING CIRCUIT		
		EXISTING CIRCUIT		12	20/2	17	C	18	20/2	12	R	EXISTING CIRCUIT		
		EXISTING CIRCUIT		12	20/2	19	A	20	20/2	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	21	B	22	20/2	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	23	C	24	20/2	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	25	A	26	20/2	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	27	B	28	20/2	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	29	C	30	20/2	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	31	A	32	20/2	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	33	B	34	20/2	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	35	C	36	20/2	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	37	A	38	20/2	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	39	B	40	20/3	12	R	SPACE		
		EXISTING CIRCUIT		12	20/2	41	C	42	20/3	12	R	SPACE		
Subtotal												0		

N.E.C. (2011)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2011)	Load Type	Conn.	Fct.	Diversity
220.44	(R) Recept.	0	0	0	220.12	(L) Lighting	0	125%	0
220.56	(K) Kitchen	0	100%	0	220.12	(EL) Ext. Ltg.	0	125%	0
220.60	(C) Cooling	0	0%	0	620.14	(E) Elevators	0	100%	0
220.60	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220.60	(F) Fans	0	100%	0	220.5	(MT) Lrg. Mot.	0	125%	0
630.11	(W) Welders	0	0	0		(SP) Sub Panel	0	100%	0
	(M) Misc.	0	100%	0					
Total Connected Load =		0 VA =		0.0 AMPS		Location of Panel:		ELECTRICAL ROOM	
Total Load (Diversified)=		0 VA =		0.0 AMPS					

**MARCELL E.S. Panelboard PA**

10,000 AIC Rating														
X Existing														
New														
120/208 Volt, 3-Phase, 4-Wire				X MCB				Single				Mounting		
1 Section				250 AMP MCB				Double				X Surface		
1 -Nema Rating				400 AMP BUS (Copper)				Feed - Thru				Flush		
Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
1	1200	EXISTING CIRCUIT	R	12	20/1	1	A	2	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	3	B	4	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	5	C	6	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	7	A	8	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	9	B	10	20/1	12	R	EXISTING CIRCUIT	1200	1
1	9600	PANEL PC	SP	3	100/3	11	A	12	20/1	12	R	EXISTING CIRCUIT	1200	1
1	9600	PANEL PC	SP	3	100/3	13	A	14	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	17	C	18	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	19	A	20	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	21	B	22	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	23	C	24	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	25	A	26	20/1	12	R	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	27	B	28	20/3	12	M	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	29	C	30	20/1	12	M	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	31	A	32	20/2	12	M	EXISTING CIRCUIT	1200	1
1	1200	EXISTING CIRCUIT	R	12	20/1	33	B	34	20/2	12	M	EXISTING CIRCUIT	1200	1
2	200	WALK-IN HEAT TRACE	M	12	20/1	37	A	38	20/3	12	M	WALK-IN DOOR CIRCUIT	350	2
2	1656	SPACE	M	12	20/3	39	B	40	20/3	12	M	WALK-IN FREEZER	1656	2
2	1656	SPACE	M	12	20/3	41	C	42	20/3	12	M			

**PART 1: GENERAL – ELECTRICAL**

**1-1 DESCRIPTION:**

All work on these drawings shall be done in strict accordance with these specifications. 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.

**1-2 WARRANTY:**

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.

**1-3 PROJECT CONDITIONS:**

Visit the site of the proposed construction in order to fully understand the facilities, difficulties and restriction attending the execution of the work. No additional compensation will be allowed this Contractor for work or items omitted from his original Proposal due to his failure to inform himself regarding such matters affecting the performance of the work in this Contract or necessary for the installation and completion of the work included herein.

**1-4 PERMITS AND FEES:**

The contractor shall arrange and pay for all permits, fees, tests, and all inspections as required by governmental authorities.

**1-5 COORDINATION WITH FIELD CONDITIONS:**

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.

Approximate location of transformers, feeders, branch circuits, lighting and power outlets 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.

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.

**1-6 SUBMITTALS:**

Contractor shall provide six sets of submittals, shop drawings, descriptive literature, physical data and a specification critique for the following items:

Panelboards  
Heavy Duty Disconnect Switches  
Conduit and Fittings  
Wire

Any deviations from the specified items shall be listed on the cover sheet and clearly itemized for all deviations. The contractor shall provide two copies of owner's manuals to the architect upon completion of the work.

**1-7 SUBSTITUTIONS**

A. The names, 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.

**1-8 QUALITY ASSURANCE:**

All work shall be performed in accordance with all state, local & federal codes and all authorities having jurisdiction, including but not limited to:

National Electrical Code (NEC)  
American Society for Testing and Materials (ASTM)  
Underwriter's Laboratories, Inc. (UL)  
Insulated Power Cable Engineer's Association (IPCEA).  
National Electrical Manufacturer's Association (NEMA).  
Institute of Electrical and Electronic's Association (IEEE).  
American National Standards Institute (ANSI).  
National Fire Protection Association (NFPA).

**1-9 SLEEVES, CUTTING AND PATCHING:**

This Section shall be responsible for the placing of sleeves for all conduit passing through walls, partitions, beams, floors, roof, etc. Sleeves through below-grade walls shall be as specified and detailed on the plans.

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.

**1-10 EXCAVATION AND BACKFILL:**

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. The plans indicate information pertaining to surface and sub-surface obstructions; thus, 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.

**1-11 CLEANING:**

Clean lighting fixtures and equipment.

Touch-up and refinish scratches and marred surfaces on panels, switches, starters, and transformers.

**1-12 TESTS AND INSPECTIONS**

Tests and inspection requirements shall be coordinated Architect.

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.

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.

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.

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.

Panelboards, switches, fixtures, etc., shall be cleaned and in operating condition. Certificates and documents required hereinbefore shall be in order and presented to the Architect prior to inspection.

Panel covers, junction box covers, etc., shall be removed for visual inspection of the wire, bus bars, etc.

After the inspection, any items that are noted as needing to be changed or corrected in order to comply with these specifications and the drawings shall be accomplished without delay.

**PART 2: PRODUCTS – ELECTRICAL**

**2-1 ALL PRODUCTS:**

All products shall be listed by Underwriter's Laboratories and have the U.L. label affixed.

**2-2 RACEWAYS AND FITTINGS:**

Except as noted or otherwise specified, all wiring shall be installed in galvanized rigid steel conduit or electrical steel tube (EMT) of the proper size to contain the number of conductors required in accordance with the latest edition of the N.E.C. Where conduit sizes are shown on the drawings, those shall take precedence.

Provide EMT in sizes up to 4 inches when concealed or not exposed to damage; Rigid steel, galvanized for underground use, where exposed to damage, or in exterior applications; Rigid galvanized steel where embedded in concrete or masonry construction.

Minimum size shall be 3/4 inch except for fixture whips not exceeding 6'-0" long. Branch circuits run underground shall be run in Carlon Schedule 40 PVC conduit. Install ground wire in accordance with NEC table 250-95. Electrical metallic tubing systems shall utilize watertight compression type fittings where exposed to moisture and set screw type fittings elsewhere.

Conduit shall be run concealed in finished areas. Conduit may be exposed in mechanical rooms and where otherwise indicated.

Concealed conduit shall run in as direct manner with as long bends as possible. Exposed conduit shall be run parallel with, or at right angles to the lines of the building; and all bends shall be made with standard conduit elbows or conduit bent to not less than same radius. Not more than equivalent of four quarter bends shall be used in any run between terminals and cabinet, or between outlet or junction boxes. Approved conduits shall be used in lieu of conduit els where ease of installation and appearance warrants their use. Conduit joints shall be made with approved couplings and unions.

Provide #30 nylon pulling line in all conduits in which permanent wiring is not installed.

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.

At locations where feeder, or other large conduits, must pass through slabs on fill or grade, the conduit shall be PVC coated rigid galvanized steel, extended 6 inches into the earth, and 2 inches above exposed surface of slab.

All conduit shall be securely fastened and supported using hot galvanized malleable iron one-hole pipe straps, clamps, hangers or other means approved by the engineer. Supports shall be as required by NEC. Tie wire shall not be used as support or securing means. Support conduit independently of ceiling hanger wire.

**2-3 OUTLET AND JUNCTION BOXES:**

Provide an approved galvanized outlet box with adequate volume for number of conductors concerned.

Provide standard galvanized switch boxes of the required number of gangs. Switch boxes for exposed wiring shall be handy boxes or approved equal.

Outlet boxes for receptacles shall be similar to Universal 52151 with suitable raised cover. Receptacle boxes on exposed wiring shall be handy boxes or approved equal.

Weatherproof boxes where necessary shall be FS or FD.

Outdoor boxes shall be NEMA 3R, with conduit connections made by Myers Hubs.

See notes and details on Drawings for special box requirements.

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.

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.

Provide coverplates for all outlet boxes.

Provide junction boxes and conduit system for all electrical systems and low voltage systems: (i.e. electrical, sound, security, fire alarm, CCTV, cameras, CATV, intercom).

**2-4 PULL BOXES:**

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.

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.

**2-5 WIRE AND CABLE:**

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.

Wire shall be soft drawn, annealed, 98% pure copper, with tin coating. Aluminum wiring is not acceptable.

Acceptable manufacturers for 600 volt wire and cable shall be Southwire, Encore, and Cerro.

Acceptable manufacturers for 300 volt wire and cable shall be Westpenn, Beldon, Alpha and Tappan.

Acceptable manufacturers for connectors shall be AMP, Burndy, Ideal, 3M, O.Z. Gedney, and Thomas & Betts.

**A. TYPES:**

1. Provide code gauge type "THHN/THWN-2" insulation.
2. All wiring shall be stranded. Minimum wire shall be No. 12, unless otherwise shown on Drawings.
3. Fire alarm device wiring shall be 300 volt, PVC jacket UL-listed when routed in a raceway. The jacket shall be UL listed for use in air plenums when a raceway is not used.
4. Control wiring shall be No. 14 AWG copper conductor unless otherwise shown; 600 volt rated insulation.
5. Open low voltage wiring in return air plenums shall be plenum rated or run in conduit. All wiring in mechanical rooms electrical rooms and other areas subject to physical damage shall be run in conduit.

B. COLOR CODING: Conductors shall be color coded in accordance with the governing authority requirements or as follows:

120/208V	277/480V	120/240V
NEUTRAL: White	Neutral: Gray	Neutral: White
PHASE A: Black	Phase A: Brown	Phase A: Black
PHASE B: Red	Phase B: Purple	Phase B: Orange
PHASE C: Blue	Phase C: Yellow	Phase C: Blue
GROUND: Green	Ground: Green	Ground: Green

**C. SPLICES:**

Splices, where required, shall be fully made up in outlet boxes with compression crimp-on type splice connectors and at least 12 inches tagged end left for the fixture hanger. Where local requirements specify certain colors for phases and neutral, etc., these shall become the standard for this project.

Joints and splices will not be permitted in mains or feeder. 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. Fit joints and splices with Buchanan Series "2000" solderless connectors complete with insulating caps or properly sized wire nuts. Wago push-in connectors are not acceptable.

D. Terminations: Provide STA-CON devices to terminate stranded conductors on device not rated to accept stranded conductors. All wiring shall be torqued per manufacturers specifications.

**E. METAL CLAD CABLE – TYPE MC**

1. At the contractor's option, metal clad cable (MC) may be used if approved by the authority having jurisdiction and building owner. The cable shall contain an insulated green grounding conductor (3 wire) and shall be the same size as the phase conductor. Conductors shall be solid copper.
2. Metal clad cable shall not be used for homeruns. Metal clad cable shall only be used for branch circuit drops from ceiling mounted junction boxes to outlets and for horizontal runs in a common wall from outlet to outlet. Do not route outlet to adjacent walls. Fixture to fixture wiring is acceptable in hard non-accessible ceilings.
3. Metal clad shall be UL approved connectors and shall be used and installed per Article 334 of the National Electrical Code.

**2-7 GROUNDING AND BONDING:**

Provide electrical service, equipment and wiring device grounding as shown, scheduled and as specified.

The types of grounding include, but are 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. A grounding conductor is required for all feeders and circuits.

Provide grounding products manufactured by Copperweld and Cadweld.

Ground rods shall be 3/4" inch diameter by 10 feet long construction with copper jacket and a steel core. Ground clamps shall be copper except for steel or iron pipes in which the clamps shall be galvanized iron. Conductors shall be connected by means of an approved pressure connector or clamp.

Perform a ground resistance test using a biddle megger. The system resistance shall not exceed 5 OHMS. Provide additional electrodes as required (refer to 250-84 of the NEC). Test shall not be conducted following wet weather. Provide personnel and instruments to conduct these tests and submit certified test for review.

A. BUILDING STEEL AND PIPING SYSTEM: Install a bonding jumper between building steel and metallic piping systems to bond them to the electrical grounding system.

B. 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.

C. 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 ground expansion fittings and joints.

D. MOTORS: The frame of all motors shall grounded.

E. SPECIAL GROUNDING: Provide a #6 AWG copper grounding conductor for each telephone board, television system, MDF rooms, IDF rooms etc. Terminate the grounding conductor on ground bus and to the building electrical grounding system. Refer to article 800 and 820 of the NEC.

F. LIGHTING FIXTURES: Provide grounding conductor in all flexible whips, whips shall not exceed 6 feet.

G. RECEPTACLES: All receptacle shall be grounded. Receptacles shall use an approved grounding yoke.

H. REMOTE PANELBOARDS: Provide a grounding electrode conductor at all remote panels as required by the NEC.

**2-10 PANELBOARDS:**

Furnish and install power distribution, lighting and appliance 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. Acceptable manufacturers are General Electric Company or Square D Company. Load centers are not acceptable.

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 50°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 plated copper.

Bus structure shall be insulated. 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.

Provide a bare uninsulated and/or insulated ground bus and full or double size neutral bus as required and indicated in each panelboard schedule.

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.

Place a neat, carefully typewritten directory card identifying the load served by each branch circuit in the frame on the panel door, under a clear plastic cover. Spares and spaces shall be written with erasable pencil for future use.

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 identify replacement components.

**A. Circuit Breakers**

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).

FRAME SIZE/ VOLTAGE	CONVENTIONAL INTERRUPTING CAPACITY	HIGH INTERRUPTING CAPACITY	CURRENT LIMITING
100AF/240V	10,000 AIC	65,000 AIC	200,000 AIC
225AF/240V	10,000 AIC	65,000 AIC	200,000 AIC
400AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
600AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
800AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
1000AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
1200AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
100AF/480V	14,000 AIC	25,000 AIC	200,000 AIC
225AF/480V	22,000 AIC	65,000 AIC	200,000 AIC
400AF/480V	30,000 AIC	35,000 AIC	200,000 AIC
600AF/480V	30,000 AIC	65,000 AIC	200,000 AIC
800AF/480V	30,000 AIC	65,000 AIC	200,000 AIC
1000AF/480V	30,000 AIC	65,000 AIC	200,000 AIC
1200AF/480V	50,000 AIC	65,000 AIC	200,000 AIC

**3. 240 Volt Lighting and Appliance Panelboard:**

All main circuit breakers shall be vertically mounted and shall not be installed in branch breaker spaces. 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. Breakers shall have an over-center, tri-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 240 volts or maximum with continuous current rating as noted on the plans. The lugs for terminating conductors shall be rated at 75°C.

Single pole 15 and 20 ampere circuit breakers shall be UL listed as "Switching Breakers" at 120V ac and carry the SWD marking.

UL Class A ground fault circuit protection shall be provided on all receptacle circuits serving wet areas and on all 120V ac branch circuits as specified on the plans or panelboard schedule. This protection shall be an integral part of the branch circuit breaker, which also provides overload, and short circuit protection for branch circuit wiring. Tripping of a branch circuit breaker containing ground fault circuit interruption shall not disturb the feeder circuit to the panelboard. A single pole circuit breaker with integral ground fault circuit interruption shall require no more panelboard branch circuit space than a conventional circuit breaker. Circuit breakers shall be rated 10,000 AIC at 240V unless otherwise noted on plans.

**B. Fusible Switches**

All fusible switches shall be quick-make, quick-break with visible blades and dual horsepower ratings. Switch handles shall physically indicate "ON" and "OFF" positions. Switches shall be lockable only in the "OFF" position and accept three industrial type heavy duty padlocks. Switch covers and handles shall be interlocked to prevent opening in the "ON" position. A means shall be provided to permit authorized personnel to release the interlock for inspection purposes. Switches shall include positive pressure rejection type fuse clips for use with UL class R fuses and be UL labeled for 200,000 AIC. Class "J" fuses shall be UL labeled for 200,000 AIC. The lugs for terminating conductors shall be rated at 75°C.

**C. Cabinets and Fronts**

The panelboard bus assembly shall be enclosed in a steel cabinet with multiple knockouts. The rigidity and gauge of steel to be as specified in UL Standard 50 for cabinets. Wiring gutter space shall be in accordance with UL Standard 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 lighting and receptacle panels shall have hinged front covers. The front cover shall have a door with hinges, latch and a lock. The hinged front covers 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. Fronts shall have adjustable indicating trim clamps, which shall be completely concealed when the doors are closed. Doors shall be mounted with completely concealed steel hinges. A circuit directory frame and card with a clear plastic covering shall be provided on the inside of the door. Where required by local code, provide Nema 3R enclosure where installed in a sprinkler area.

**D. Safety Barrier**

The distribution panelboard interior assembly shall be dead front with panelboard front removed. Main lugs or main breakers shall have barriers on five sides. 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.

**E. Integrated Equipment Short Circuit Rating**

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 Underwriters Laboratories Standard 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.

**2-12 SAFETY AND DISCONNECT SWITCH:**

A. Products shall be designed, manufactured, tested and installed in compliance with applicable standards.

1. NEMA KSI – Enclosed switches
2. Federal specification W-S-865C-Heavy duty switches

Products shall conform all applicable UL standards, including UL98 (standard for safety, enclosed and dead front switches) and shall be UL-labeled.

Acceptable manufacturers are:

General Electric Company, Square D Company, or Eaton.

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.

**B. Switch Interior**

All switches shall have switchblades, which 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 aluminum cables. All switches blades and contacts shall be plated copper.

**C. Switch Mechanism**

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".

**D. Neutral**

Provide a solid neutral with the safety switch where a neutral is present in the circuit.

**E. Ratings**

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 when required. Adjust load side terminal block as required to accept Class J fuses. UL listed short circuit ratings of the switches, when equipped with Class R or Class J fuses, shall be 200,000 symmetrical amperes.

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1/7/2022

Mission  
CISD™

General Electric Company, Square D Company, or Eaton.

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.

**B. Switch Interior**

All switches shall have switchblades, which 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 aluminum cables. All switches blades and contacts shall be plated copper.

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**E. Ratings**

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PROJECT:  
**MCISD - BRYAN, MARCELL AND SALINAS  
ELEMENTARY SCHOOLS  
NEW STAND ALONE FREEZERS**  
**MISSION, TX. 78574**

**PART I: GENERAL – PLUMBING**

**1-1 DESCRIPTION:**

All work on these drawings shall be done in strict accordance with these specifications.

The work included under this contract shall consist of furnishing and installing the:  
A. Condensate drain line

**1-2 WARRANTY:**

The contractor shall guarantee the work for a period of one year beyond the date of final acceptance. During that period, the contractor shall repair or replace, at his own expense, any faults or imperfections that may arise due to defects in material and workmanship, including fixtures and pipe leaks. Defects shall include, but not necessarily be limited to: noisy operation, loose or missing parts, or noticeable deterioration of finish. During this period, the contractor shall perform all service work required.

**1-3 PROJECT CONDITIONS:**

The contractor shall visit the site of the work and fully understand the conditions that affect the work, the costs of the work, and the existing utilities from which services will be supplied. The contractor shall field verify locations of utility services and confirm in advance that equipment and materials proposed for installation shall fit into the confines indicated.

**1-4 PERMITS AND FEES:**

The contractor shall arrange and pay for all permits, fees, tests, and all inspections as required by the Authorities Having Jurisdiction (AHJ).

**1-5 COORDINATION WITH FIELD CONDITIONS:**

The contract documents are schematic in nature in that they are only to establish scope and a minimum level of quality. Pipe and equipment locations as indicated on the documents do not indicate every offset or exact location. All offsets and exact locations shall be established by actual field measurements, and coordination with structural, architectural, mechanical, and electrical trades. All offsets and relocations as required by actual field conditions shall be provided by the contractor at no additional cost to the owner.

**1-6 SUBMITTALS:**

Contractor shall provide electronic submittals (PDF format) for all plumbing fixtures, equipment, and piping accessories. Any deviations from the specified items shall be listed on the cover sheet and clearly itemized for all deviations. The contractor shall also provide no less than two (2) printed and bound copies of (owner's) operating and maintenance manuals to the architect upon completion of the work.

**1-7 QUALITY ASSURANCE:**

All work shall be performed in accordance with all applicable state, local, and federal codes; all authorities having jurisdiction, and generally accepted industry standards.

**1-8 REGULATORY REQUIREMENTS:**

Perform Work in accordance with plumbing and building codes and inspectors having jurisdiction.

**PART II: PRODUCTS – PLUMBING**

2-1 CONDENSATE AND INDIRECT DRAIN PIPING: TYPE M COPPER TUBING, WROT COPPER FITTINGS, 95-5 SOLDER JOINTS, COPPER PLATED HANGERS, AND 3/4" FLEXIBLE ELASTOMERIC INSULATION WITH UV PROTECTION COATING.

**PART III: EXECUTION**

**3-1 GENERAL:**

- A. Runs and arrangement of piping shall be as shown, subject only to such changes and modifications as may be necessary to suit actual conditions at the building, to avoid interference or conflict with work of other sections. Install piping concealed in floor or in wall construction or excavations to prevent delay to other work and to allow ample time for necessary tests and approvals.
- B. Carefully check installations against structural, architectural, and mechanical drawings and note where walls, ceilings, beams, and pipe shafts are furred or enclosed. Piping shall not be furred in or covered before testing, inspection and approval.
- C. Provide new insulated copper condensate piping as shown and route piping inside freezer space. Attach condensate piping to wall using unistrut and clamp system. Maintain 1/4 inch per foot slope for proper drainage. Provide trap in warm ambient outside of the freezer.
- D. Make joints between dissimilar piping by dielectric unions or flanges.
- E. Use reducing fittings wherever a change in pipe size occurs. The use of bushings will not be permitted.



DBR Project Number 218024.000  
HA

JOB NO. 21-184  
DATE. 01/07/22  
DRAWN BY.  
CHECKED BY:  
REVISION:  
DRAWING NO.  
**P7.0**

**SUBJECT:** Approval to Accept Final Design for the K. White Jr. High and R. Cantu Jr. High Scoreboard Project – Chanin Engineering

**PRESENTER:** Ricardo Rivera, Assistant Superintendent for Operations

**BACKGROUND INFORMATION**

The Athletics Department, R. Cantu Jr. High and K. White Jr. High are to purchase a scoreboard at the football/soccer fields. Electrical and technology circuits are not required as per Ms. Ibarra, Athletic Director. On-site is electrical power availability and uses wireless wi-fi. The Purchasing department is assisting with the procurement. Due to the type of installation and concerns on wind-load structural engineering is required.

Administration will use competitive sealed proposals (CSP’s) as the procurement method as approved by the Board of Trustees in the February 2021 Board of Trustees meeting. This method was approved as the primary default method for projects. However, at the November 10, 2021 Board of Trustees meeting, the Board approved Job Order Contracting (JOC) and this method may be used for this smaller project.

Administration will use the on-call professional services agreement for project administration. It will be the responsibility of the design/engineer professional to provide an estimated project budget. When provided, Administration will advise the Board of Trustees as an informational update.

At the Regular Board of Trustees Meeting held on September 8, 2021 the Board approved the project, proposed budget and utilizing the on-call professional services for the scoreboard installation at K. White Jr. High and R. Cantu Jr. High project. - Chanin Structural Engineering estimated project cost is \$30,000.00 each campus.

At the Regular Board of Trustees Meeting held on December 15, 2021, the Board approved Schematic Design for the K. White Jr. High and R. Cantu Jr. High Scoreboard Project – Chanin Engineering

**ADMINISTRATIVE CONSIDERATIONS**

Chanin Engineering has continued to meet with MCISD Staff and Administration on the designs, thus Administration will be presenting approval to accept Final Design for the K. White Jr. High and R. Cantu Jr. High Scoreboard Project – Chanin Engineering. Designs have been reviewed and approved by staff.

**FUNDING SOURCE**

Local Funds

Est. Project Budget per School:	\$30,000.00
Project Contingency 20%:	\$ 6,000.00
Est. Professional Service 15%:	<u>\$ 4,500.00</u>
Est. Total Project Cost:	\$40,500.00 per school

**RECOMMENDATION**

This agenda item was presented at the Board of Trustees Workshop on Wednesday, January 12, 2022.

Administration presents Final Design for the K. White Jr. High and R. Cantu Jr. High Scoreboard Project – Chanin Engineering

**EXHIBIT:**

Final Design - Attached

**CONTACT PERSONS**

Ricardo Rivera, Assistant Superintendent for Operations

Adrian Hernandez, Coordinator for Project & Energy Management

# MISSION CISD

## K. WHITE JUNIOR HIGH NEW SOCCER/FOOTBALL SCOREBOARD

### DRAWING INDEX

#### STRUCTURAL

- S1.0 GENERAL NOTES
- S1.1 GENERAL NOTES AND DETAILS

#### MEP

- EP2.1 ELECTRICAL PARTIAL SITE PLAN-DEMO AND NEW
- E7.0 ELECTRICAL SPECIFICATIONS

### Mission, Texas

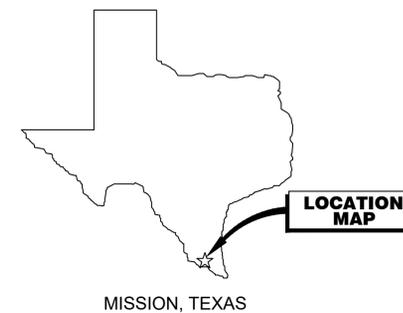
### ☆ SCHOOL BOARD ☆

CAROL G. PEREZ, ED.D. ☆☆☆☆☆☆☆☆ SUPERINTENDENT

- JERRY ZAMORA ☆☆☆☆☆☆☆☆☆☆ BOARD PRESIDENT
- VERONICA R. MENDOZA ☆☆☆☆☆☆☆☆☆☆ VICE-PRESIDENT
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# GENERAL NOTES

## GENERAL

- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR THE EARTH BANKS, FORMS, SCAFFOLDING, PLANNING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES, GIN POLES, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AND THEY SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR RIDDING PURPOSES ONLY. EXACT WEIGHTS AND LOCATIONS OF MECHANICAL EQUIPMENT SHALL BE COORDINATED BY CONTRACTOR. IF THE FINAL LOCATION VARIES FROM THAT SHOWN ON THE PLANS, CONTRACTOR TO NOTIFY ARCHITECT AND ENGINEER FOR APPROVAL BEFORE INSTALLATION.
- SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL BE RESPONSIBLE FOR CONDITIONS OF ALL WORK AND MATERIALS.
- THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND ELEVATIONS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE ARCHITECT. ANY CONFLICT BETWEEN THE DRAWING AND SPECIFICATIONS OF THE VARIOUS TRADES INVOLVED SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER.
- DETAILS SHOWN ON DRAWINGS APPLY AT SIMILAR CONDITIONS.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL STANDARDS AND TO ALL APPLICABLE PROVISIONS OF THE GOVERNING BUILDING CODE.
- THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED IN WRITING WHEN WORK COMMENCES.
- CONTRACTOR SUBSTITUTIONS: ANY MATERIALS OR PRODUCTS THAT ARE SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIALS OR PRODUCTS SPECIFIED IN THE CONTRACT DOCUMENTS WILL ONLY BE CONSIDERED IF THE FOLLOWING CRITERIA ARE SATISFIED.
  - A COST SAVING TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST
  - THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) AND THE ICBO REPORT IS SUBMITTED WITH THE REQUEST.

## STRUCTURAL OBSERVATION

- THE PROFESSIONAL ENGINEER OR HIS/HER AUTHORIZED REPRESENTATIVE SHALL CONDUCT ALL STRUCTURAL OBSERVATIONS. STRUCTURAL OBSERVATIONS SHALL BE FOR THE PURPOSE OF ASCERTAINING GENERAL COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. HOWEVER, SUCH OBSERVATION VISITS SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OBLIGATIONS AND RESPONSIBILITIES TO THE CONSTRUCTION DOCUMENTS.
- ITEMS THAT REQUIRE A STRUCTURAL OBSERVATION ARE AS FOLLOWS:
  - STEEL REINFORCEMENT IN FOUNDATION
  - STRUCTURAL STEEL FRAMING
- NOTIFY ENGINEER 48 HOURS IN ADVANCE WHEN A STRUCTURAL OBSERVATION IS REQUIRED.
- WORK SHALL NOT CONTINUE AT THESE AREAS UNTIL OBSERVATION AND APPROVAL BY ENGINEER. FAILURE BY THE CONTRACTOR TO PROVIDE PROPER NOTICE FOR AN OBSERVATION VISIT AT THE REQUIRED TIME OR ADDITIONAL WORK PERFORMED WITHOUT AN OBSERVATION VISIT WILL BE DONE AT CONTRACTOR'S RISK AND MAY BE SUBJECT TO COMPLETE OR PARTIAL REMOVAL TO VERIFY COMPLIANCE OF PREVIOUS WORK.

## SHOP DRAWINGS & SUBMITTALS

- SUBMITTAL THAT WILL BE REQUIRED FOR APPROVAL INCLUDE:
  - CONCRETE MIX DESIGN
  - CONCRETE ACCESSORIES (CHAIRS/BOLSTERS, WHEEL SPACERS)
  - CONCRETE REINFORCEMENT
  - STRUCTURAL STEEL
- DEFERRED SUBMITTALS THAT WILL REQUIRE APPROVAL INCLUDE: NONE
- ALLOW (2) WEEKS MINIMUM FOR REVIEW OF SHOP DRAWINGS.
- PRIOR TO ISSUING THE SUBMITTALS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSION WITH ARCHITECTURAL PLANS.
- REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL CONFORMANCE TO THE STRUCTURAL DRAWINGS. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR FOR ANY ERRORS IN DIMENSIONS OR MATERIAL INDICATED ON THE SHOP DRAWINGS.

## DESIGN CRITERIA

- DESIGN LOADS, STRUCTURAL ANALYSIS AND PREPARATIONS OF STRUCTURAL MEMBERS ARE BASED ON THE FOLLOWING CRITERIA:
- CODE: ..... IBC 2018
- LATERAL LOADS
  - WIND SPEED (V-ULT): ..... 120 MPH
  - WIND SPEED (V-ASD) ..... 93 MPH
  - EXPOSURE CATEGORY: ..... C
  - BUILDING CATEGORY: ..... I
  - WIND PRESSURE (V-ASD): ..... 25 PSF
- GEOTECHNICAL ENGINEERING REPORT :  
 PROVIDED BY: RABA KISTNER  
 PROJECT NUMBER: AMA21-036-00  
 DATE: 11/17/21  
 FOUNDATION DESIGN BASED ON THE FOLLOWING PARAMETERS  
 DEEP FOUNDATION:
  - MINIMUM EMBEDMENT DEPTH: ..... 12 FT
  - MAXIMUM EMBEDMENT DEPTH: ..... 40 FT
  - ALLOWABLE END BEARING PRESSURE (TOTAL LOAD): ..... 3,500 PSF (12 TO 29 FT.)  
 9,000 PSF (30 TO 40 FT.)
  - ALLOWABLE SIDE SHEAR: 0 TO 8 FT: ..... NEGLECT  
 8 TO 20 FT: ..... 350 PSF  
 20 TO 40 FT: ..... 900 PSF
  - ALLOWABLE UPLIFT RESISTANCE: 0 TO 8 FT: ..... NEGLECT  
 8 TO 20 FT: ..... 200 PSF  
 20 TO 40 FT: ..... 600 PSF

## REINFORCING STEEL

- ALL REINFORCEMENT SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
- REINFORCING STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI DETAILING MANUAL (SP-66) AND CSRI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE, (ACI #315).
- BARS SCHEDULED OR DETAILED "CONT" SHALL BE SPLICED ONLY WHEN UNAVOIDABLE AT POINTS OF MINIMUM STRESS AND WITH A MINIMUM LAP AS FOLLOWS:
  - HORIZONTAL BARS w/ MORE THAN 12" OF FRESH CONCRETE CAST BELOW LAPS.
 

#6 BARS AND SMALLER	-	57 BAR DIAMETERS
#7 BARS AND BIGGER	-	72 BAR DIAMETERS
  - OTHER BARS
 

#6 BARS AND SMALLER	-	44 BAR DIAMETERS
#7 BARS AND BIGGER	-	55 BAR DIAMETERS
  - ALL SPLICES TO BE STAGGERED A MINIMUM OF 4'-0". TOP BAR AND BOTTOM BAR SPLICES TO BE LOCATED AT MID-SPAN AND WITHIN 1/3 SPAN RESPECTIVELY.
- CORNER REINFORCING BARS SHALL BE USED AT ALL CORNERS AND INTERSECTIONS.
- EXTEND THE SLAB REINFORCING STEEL PERPENDICULAR TO EXTERIOR GRADE BEAM TO THE TOP OUT SIDE REINFORCING BAR OF BEAM.
- SPACE REINFORCING BARS WITH MINIMUM CLEAR SPACING IN ACCORDANCE WITH ACI 318 OF ONE BAR DIAMETER, BUT NOT LESS THAN 1 INCH. FOR COMPRESSION MEMBERS, SPACE AT A MINIMUM OF 1.5 INCHES OR 1.5 BAR DIAMETERS, WHICHEVER IS GREATER.
- WHERE REINFORCING BARS ARE PLACED IN MULTIPLE LAYERS, PLACE UPPER BARS DIRECTLY ABOVE LOWER BARS.
- MAINTAIN CONCRETE COVER AROUND REINFORCEMENT IN ACCORDANCE WITH ACI 318 AND AS FOLLOWS:
 

A. FOOTING AND CONCRETE CAST AGAINST EARTH	-	3 INCHES
B. EXPOSED TO EARTH OR WEATHER	-	2 INCHES
#6 BARS AND BIGGER	-	2 INCHES
#5 BARS AND SMALLER	-	1.5 INCHES
C. BEAMS AND COLUMNS	-	1.5 INCHES
D. SLABS AND WALLS	-	1 INCH
- REPAIR ANY DAMAGE TO VAPOR RETARDER PER MANUFACTURER SPECIFICATIONS.
- ADDITIONAL REINFORCING TO BE PROVIDED ON SITE FOR USE AS DIRECTED BY STRUCTURAL ENGINEER.
 

#4 BARS	-	100 FT.
#5 BARS	-	100 FT.
#6 BARS	-	100 FT.

## CONCRETE

- ALL CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH ACI 318 AND ACI 301 LATEST EDITION.
- CEMENT SHALL CONFORM TO ASTM C150 TYPE I AGGREGATE SHALL CONFORM TO ASTM C33.
- CONCRETE SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH AS FOLLOWS:
 

MEMBER TYPE	STRENGTH	SLUMP	MAX AGG.
PIERS	4000 PSI	4"-6"	1.5 IN.
- PLACE CONCRETE CONTINUOUSLY BETWEEN PRE-DETERMINED EXPANSION AND CONSTRUCTION JOINTS.
- ALL CONSTRUCTION JOINT LOCATIONS TO BE APPROVED BY STRUCTURAL ENGINEER.
- CURE CONCRETE IN ACCORDANCE WITH ACI 308.1
- FLYASH MAY BE USED TO REPLACE A PORTION OF THE PORTLAND CEMENT. THE RATIO OF FLYASH TO THE TOTAL OF THE FLYASH AND CEMENT IN A MIX SHALL NOT EXCEED 25%. FLYASH SHALL CONFORM TO ASTM C618, TYPE C OR F.
- TESTING OF CONCRETE SHALL BE DONE AS FOLLOWS:
  - SETS SHALL CONSIST OF 3 CYLINDERS  
ONE TESTED AT 7 DAYS  
TWO TESTED AT 28 DAYS
  - ONE SET SHALL BE TAKEN FOR EACH 150 CY AND FOR EVERY 5000 SF OF SURFACE AREA AND AT LEAST ONCE PER DAY OF PLACING CONCRETE
  - A MINIMUM OF 3 SETS SHALL BE TAKEN FOR EACH CLASS OF CONCRETE
- NO WATER SHALL BE ADDED TO THE CONCRETE AT THE JOBSITE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE CONCRETE SUPPLIER TO ENSURE A PUMPABLE AND WORKABLE MIX WITHOUT THE ADDITION OF WATER AT THE JOBSITE. THE USE OF PLASTICIZERS, RETARDANTS AND OTHER ADDITIVES SHALL BE AT THE OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER. FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER FOR THE PROPER USE OF ADDITIVES. THE USE OF CALCIUM CHLORIDE OR OTHER CHLORIDE BEARING SALTS SHALL NOT BE PERMITTED.
- PLACE CONCRETE IN A MANNER SO AS TO PREVENT SEGREGATION OF THE MIX. DELAY FLOATING AND TROWELING OPERATIONS UNTIL CONCRETE HAS LOST SURFACE WATER SHEEN OR ALL FREE WATER. DO NOT SPRINKLE FREE CEMENT ON THE SLAB SURFACE. FINISHING OF SLAB SURFACES SHALL COMPLY WITH THE RECOMMENDATIONS OF ACI 302.1 AND 304.
- UNLESS SPECIFIED, CONCRETE MUST REACH THE FOLLOWING PERCENTAGES OF ITS 28-DAY COMPRESSIVE STRENGTH (F<sub>c</sub>), BEFORE FORMS MAY BE REMOVED.
 

WALL, COLUMNS, & BEAM SIDES.....	40%
----------------------------------	-----
- NO CONCRETE SHALL BE PLACED OUTSIDE OF THESE SPECIFICATIONS WITHOUT THE OWNER'S PRIOR APPROVAL. ANY ITEMS NOT IN COMPLIANCE WITH THE OUTLINED SPECIFICATION SHALL BE REPORTED TO THE OWNER AND STRUCTURAL ENGINEER WITHIN 24 HOURS.

## DRILLED CONCRETE PIERS

- CONSTRUCTION PROCEDURES TO FOLLOW ACI 336.1 AND ACI 336.3R
  - PIERS NOT SPECIFICALLY DIMENSIONED ON THE PLAN SHALL BE CENTERED UNDERNEATH COLUMN OR GRADE BEAM, AS OCCURS.
  - PIERS SHALL BE DRILLED PLUMB ALONG ENTIRE LENGTH. MAXIMUM ALLOWED DEVIATION FROM POSITION AT TOP OF SHAFT IS 1" PER 10' OF DEPTH.
  - CLEAN SHAFT AND BOTTOM OF LOOSE MATERIAL. MAINTAIN SHAFTS FREE OF WATER PRIOR TO POURING CONCRETE.
  - ELEVATION OF TOP OF PIERS IS A THE BOTTOM OF THE DEEPEST INTERSECTING BEAM, COLUMN, OR WALL SUPPORTED AT THE PIER, UNLESS NOTED OTHERWISE.
  - REINFORCING STEEL CAGE SHALL BE HELD IN PLACE BY A MINIMUM OF 3 SETS OF SPACERS AT A MAXIMUM SPACING OF 8 FT. ALONG THE ENTIRE DEPTH OF THE PIER AND AT 3' FROM THE BOTTOM.
  - CONTRACTOR TO VERIFY DEPTH OF PIER BEFORE REINFORCING STEEL IS CUT. PIER STEEL SHALL BE DELIVERED TO SITE IN STANDARD LENGTHS AND CUT AS REQUIRED. PROVIDE 75 BAR DIAMETER LAPS WHEN NEEDED.
  - PIER REINFORCING AND CONCRETE SHALL BE PLACED IMMEDIATELY AFTER DRILLING OPERATIONS ARE COMPLETE.
  - UNDER NO CONDITIONS SHALL A PIER BE DRILLED THAT CANNOT BE POURED THE SAME DAY.
  - CONTRACTOR TO COORDINATE WITH GEOTECHNICAL ENGINEER FOR INSPECTION AND VERIFICATION OF PIERS IN ORDER TO ENSURE BEARING IN CORRECT SOIL STRATUM AS RECOMMENDED IN PROJECT GEOTECHNICAL REPORT.
  - TEMPORARY STEEL CASING MAY BE REQUIRED DURING DRILLING OPERATIONS. ANY SEEPAGE WATER SHALL BE REMOVED FROM PIER HOLES PRIOR TO POURING CONCRETE.
  - STEEL CASING SHALL BE CONTINUOUSLY JOINED AND SHALL BE OF SUFFICIENT STRENGTH AND RIGIDITY TO WITHSTAND HANDLING STRESS, DRILLING STRESSES, CONCRETE PRESSURES, AND SURROUNDING EARTH AND WATER PRESSURES AND TO PERMIT ADVANCEMENT OF THE PIER THROUGH CAVING GROUND.
  - SIZE AND LENGTH OF CASING SHALL BE SUBMITTED TO THE GEOTECHNICAL ENGINEER FOR ACCEPTANCE.
  - PLACE CONCRETE IN PIER IN ONE CONTINUOUS OPERATION WITHOUT CESSATION FROM BOTTOM OF PIER TO TOP.
  - TESTING OF CONCRETE SHALL BE AT THE RATE OF ONE SET OF FOUR (4) CYLINDERS PER PIER BUT NOT MORE THAN ONE SET PER TRUCKLOAD.
  - CONTRACTOR SHALL MAKE ACCURATE RECORDS OF THE DRILLED PIER LOCATIONS, DEPTHS, BEARING STRATUM, DEPTH OF PENETRATION INTO BEARING STRATUM AND DIAMETER AND SHALL SUBMIT THIS INFORMATION TO ENGINEER.
  - MINIMUM VERTICAL REINFORCING TO BE 1% OF CROSS-SECTIONAL AREA OF PIER, WITH MINIMUM OF SIX (6) BARS, AND #3 SPIRAL, UNLESS NOTED OTHERWISE.
- ## STRUCTURAL STEEL
- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE TO AISC SPECIFICATIONS.
    - STRUCTURAL W-SHAPES - ASTM A992 GRADE 50
    - STRUCTURAL M-SHAPES AND S-SHAPES - ASTM A36
    - STRUCTURAL T-SHAPES - CUT FROM W-SHAPES
    - CHANNELS AND ANGLES - ASTM A36
    - ROUND HOLLOW STRUCTURAL SECTIONS - ASTM A500 GRADE B
    - SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SECTIONS - ASTM A500 GRADE B
    - STRUCTURAL PLATES - ASTM A36
    - STRUCTURAL BARS - ASTM A36
    - HIGH STRENGTH BOLTS - ASTM A325
    - ELECTRODES - SERIES E70
  - ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS.
  - CONNECTIONS NOT DETAILED AND/OR SCHEDULED ON STRUCTURAL DRAWINGS SHALL BE DETAILED BY FABRICATOR AND MARKED FOR ENGINEERS APPROVAL. CONNECTIONS TO BE DESIGNED TO AISC SPECIFICATIONS AND SHALL BE CAPABLE OF SUPPORTING 55% OF THE MAXIMUM UNIFORM LOAD CAPACITY FOR THE SPAN SPECIFIED, SHOWN IN THE TABLES OF UNIFORM CONSTANTS OF THE AISC MANUAL OF STEEL CONSTRUCTION.
  - HOT DIP GALVANIZE, IN ACCORDANCE WITH ASTM A123 AND ASTM A153. STRUCTURAL STEEL AND FASTENERS PERMANENTLY EXPOSED TO THE WEATHER. REPAIR DAMAGED AREAS AND WELDS MADE AFTER GALVANIZING IN ACCORDANCE WITH ASTM A780 WITH ORGANIC ZINC RICH PAINT COMPLYING WITH DOD-P-21035 OR MIL-P-26915, MULTIPLE COATS TO DRY FILM THICKNESS OF 4 MILS.
  - STRUCTURAL STEEL SHALL BE PAINTED WITH ONE COAT OF RUST INHIBITIVE PAINT.
  - STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED IN WHOLE OR IN PART FOR SHOP DRAWING SUBMITTALS.
  - PROVIDE 0.5 TON OF RED IRON ALLOWANCE TO BE USED AS DIRECTED BY STRUCTURAL ENGINEER. INCLUDE LABOR COSTS IN THE ALLOWANCE. ANY UNUSED ALLOWANCE SHALL BE CREDITED BACK TO OWNER AT A COST OF \$6000 PER TON.
  - ALL WELDED CONNECTION SHALL BE MADE WITH A 1/4" FILLET WELD U.N.O.
  - STEEL FABRICATOR SHALL BE CERTIFIED BY ONE OF THE FOLLOWING: AISC/ IBC/ IAS-ICC
  - ALL EXPOSED STEEL SHALL BE HOT DIPPED GALVANIZED

## CONTRACTOR NOTE

THE STRUCTURAL SYSTEM FOR THIS PROJECT SHALL NOT BE CONSTRUCTED BY USING THE STRUCTURAL DRAWINGS ALONE. THESE DRAWINGS WERE DEVELOPED FROM DATA DERIVED PRIMARILY FROM THE ARCHITECTURAL DRAWINGS AND SECONDARILY FROM MEP, CIVIL AND OTHER DISCIPLINES' DOCUMENTS. IT IS INTENDED THAT CONSTRUCTION PROCEED BY UTILIZING ALL OF THE INFORMATION CONTAINED IN THE ENTIRE SET OF CONSTRUCTION DOCUMENTS TAKEN AS A WHOLE. FAILURE TO DO SO WILL RESULT IN ERRORS WHICH SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

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PROJECT: MCISD K. WHITE JUNIOR HIGH NEW SOCCER/FOOTBALL SCOREBOARD

1101 W GRIFFIN PKWY, MISSION, Texas 78572

JOB NO. 21-187  
DATE: 01/07/22  
DRAWN BY: VDV  
CHECKED BY: M.C.  
REVISION:  
DRAWING NO. **S1.0**

# GENERAL NOTES

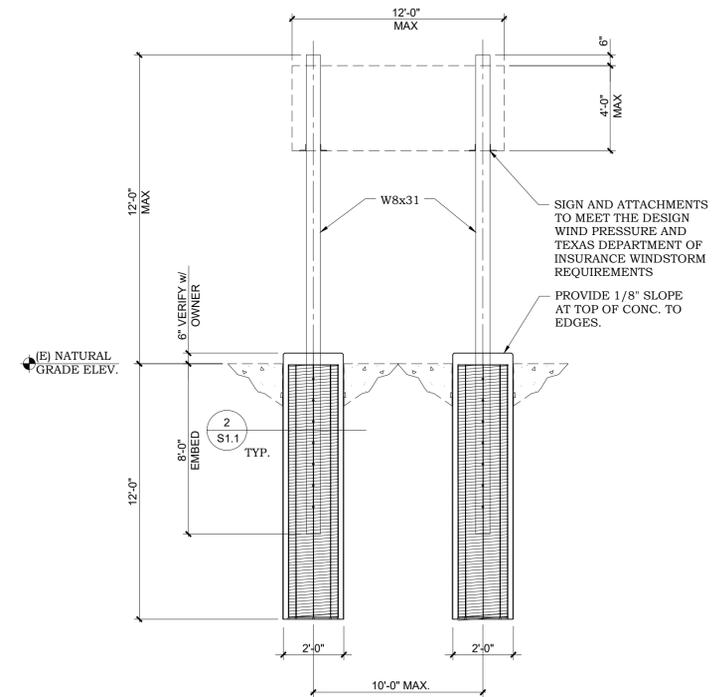
## STRUCTURAL TESTS AND SPECIAL INSPECTION

- THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THIS SECTION.
- THE FOLLOWING TERMS AND PHRASES SHALL HAVE THE MEANINGS SHOWN BELOW AS IT PERTAINS TO THIS SECTION.
  - APPROVED AGENCY - AN ESTABLISHED AND RECOGNIZED AGENCY REGULARLY ENGAGED IN CONDUCTING AND FURNISHING SPECIAL INSPECTION SERVICES.
  - APPROVED FABRICATOR - AN ESTABLISHED AND QUALIFIED FIRM APPROVED BY BUILDING OFFICIAL. SPECIAL INSPECTIONS ARE NOT REQUIRED WHEN WORK IS PERFORMED ON THE PREMISES OF AN APPROVED FABRICATOR.
  - SPECIAL INSPECTION, CONTINUOUS - THE FULL TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION.
  - SPECIAL INSPECTION, PERIODIC - THE PART TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION.
- SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED THEY SHALL BE BROUGHT TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
- THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION, ONLY IF APPLICABLE
- SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360.

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD*	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	---	X	ACI 318: 3.5, 7.1-7.7	1910.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2b.	---	---	AWS D1.4 ACI 318: 3.5.2	---
3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	---	X	ACI 318: 8.1.3, 21.2.8	1908.5, 1909.1
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	---	X	ACI 318: 3.86, 8.1.3, 21.2.8	1909.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.	---	X	ACI 318: Ch. 4, 5.2-5.4	1904.2, 1910.2
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1910.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X	ACI 318: 5.11-5.13	1910.9
9. INSPECTION OF PRESTRESSED CONCRETE: a. APPLICATION OF PRESTRESSING FORCES. b. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC FORCE-RESISTING SYSTEM.	X X	---	ACI 318: 18.20 ACI 318: 18.18.4	---
10. ERECTION OF PRECAST CONCRETE MEMBERS.	---	X	ACI 318: Ch. 16	---
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	---	X	ACI 318: 6.2	---
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X	ACI 318: 6.1.1	---

REQUIRED VERIFICATION AND OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS		
VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	---
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS CONFIRM ELEMENT DIAMETERS, HELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	X	---
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	---	---

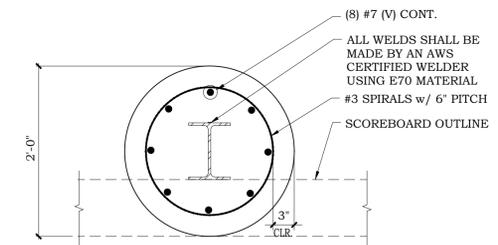
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD*	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS: a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC 360, SECTION A3.3	---
2. INSPECTION OF HIGH-STRENGTH BOLTING: a. BEARING-TYPE CONNECTIONS. b. SLIP CRITICAL CONNECTIONS.	---	X X	AISC 360, SECTION M2.5	---
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL: a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. b. MANUFACTURER'S CERTIFIED MILL TEST REPORTS.	---	---	ASTM A 6 OR ASTM A 568	---
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS: a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS. b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	---	AISC 360, SECTION A3.5	---
5. INSPECTION OF WELDING: a. STRUCTURAL STEEL: 1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. 2) MULTIPASS FILLET WELDS. 3) SINGLE-PASS FILLET WELDS > 5/16" 4) SINGLE-PASS FILLET WELDS ≤ 5/16" 5) FLOOR AND ROOF DECK WELDS.	---	X X X ---	AWS D1.1 AWS D1.3	---
b. REINFORCING STEEL: 1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706. 2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT. 3) SHEAR REINFORCEMENT. 4) OTHER REINFORCING STEEL.	---	X ---	AWS D1.4 ACI 318: 3.5.2	---
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS: a. DETAILS SUCH AS BRACING AND STIFFENING. b. MEMBER LOCATIONS. c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	---	X	---	---



- NOTES:
- CONTRACTOR TO VERIFY ALL DIMENSIONS WITH SCOREBOARD MANUFACTURER.
  - ALL COMPONENTS OF SCOREBOARD TO MEET THE WIND PRESSURE PROVIDED ON THE DESIGN CRITERIA.
  - CONTRACTOR SHALL OFFSET PIERS A MINIMUM OF 3'-0" FROM EXISTING SCOREBOARD.
  - PROVIDE STEEL CASING IF GROUND WATER IS ENCOUNTERED DURING DRILLING OPERATIONS.

NOTES:  
ALL EXPOSED STEEL TO BE HOT DIPPED GALVANIZED.

PIER ELEVATION 1



PIER SECTION 2

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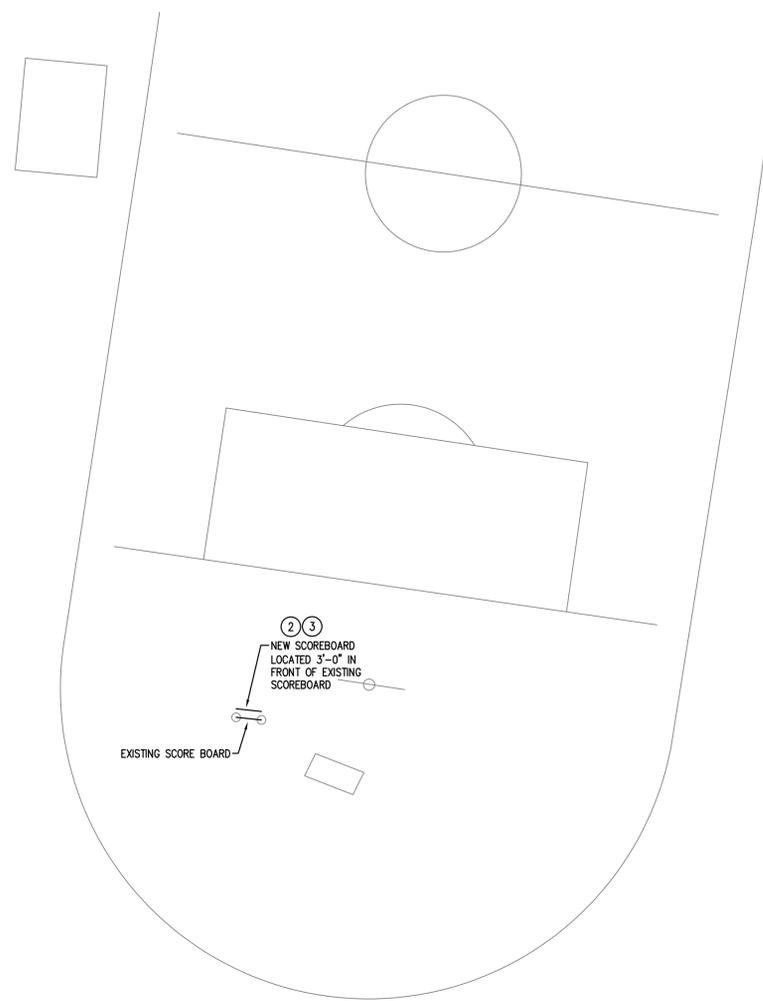
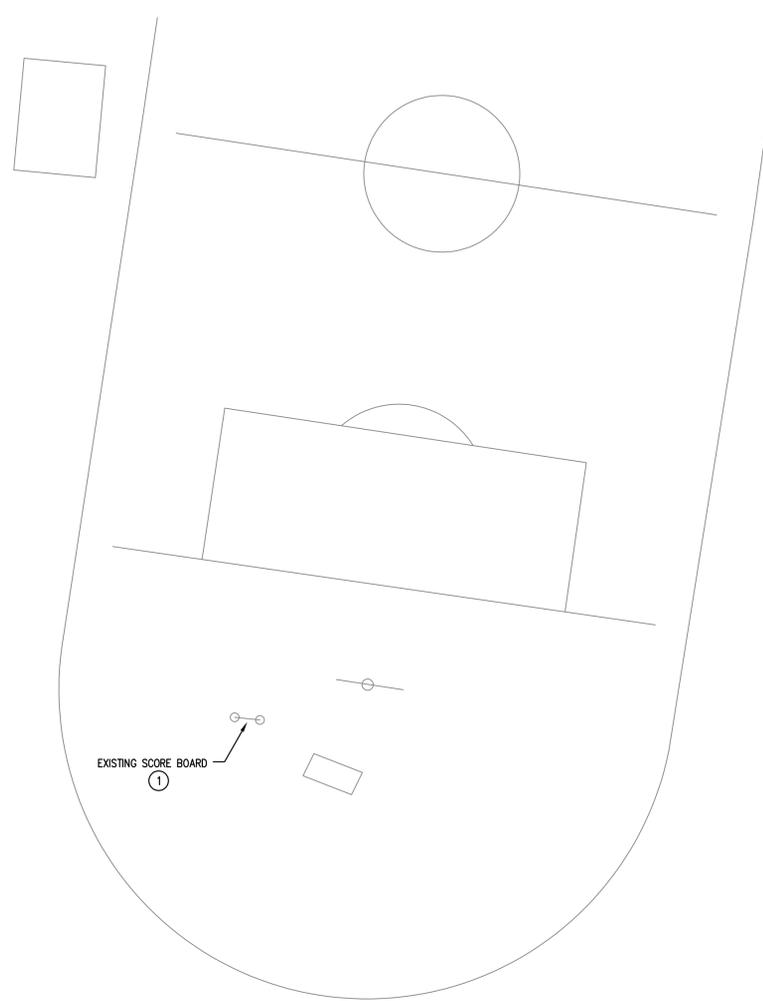
MEP: OR: 200 SOUTH 10TH STREET  
SUITE 901, McALLEN, TEXAS 78501  
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PROJECT:  
MCISD K. WHITE JUNIOR HIGH  
NEW SOCCER/FOOTBALL SCOREBOARD  
1101 W GRIFFIN PKWY, MISSION, Texas 78572

JOB NO. 21-187  
DATE: 01/07/22  
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CHECKED BY: M.C.  
REVISION:

DRAWING NO.  
**S1.1**

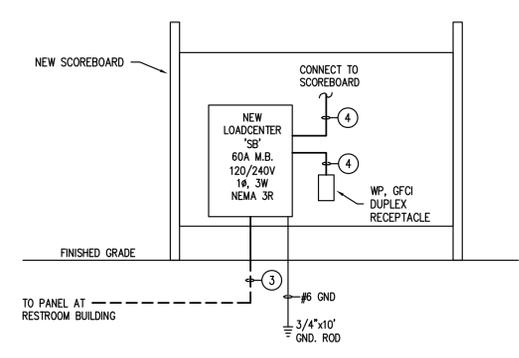


**ELECTRICAL KEYED NOTES:**

- REMOVE EXISTING LOAD CENTER AND WEATHERPROOF RECEPTACLE IN ITS ENTIRETY. CONDUIT AND EXISTING WIRE TO BE REUSED FOR NEW SCORE BOARD.
- PROVIDE NEW 60A LOAD CENTER, NEMA 3R WITH FOUR 20A/1P BREAKERS AND A NEW WEATHERPROOF DUPLEX RECEPTACLE MOUNTED ON THE NEW SCOREBOARD STRUCTURE. PROVIDE NEW ELECTRICAL GROUNDING ROD.
- PROVIDE ALL LABOR AND MATERIAL AS REQUIRED TO REROUTE EXISTING CONDUIT AND WIRE TO NEW LOADCENTER.
- 2#12, #12GND, 3/4"Ø.

**1** ELECTRICAL PARTIAL SITE PLAN - K.WHITE JHS - DEMO  
EP2.1 1"=30'-0"

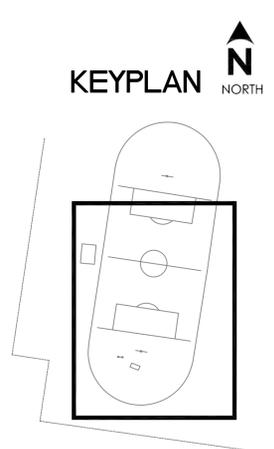
**2** ELECTRICAL PARTIAL SITE PLAN - K.WHITE JHS  
EP2.1 1"=30'-0"



**3** ELECTRICAL ONE-LINE DIAGRAM  
EP2.1 N.T.S.

Panelboard SB														
10,000 AIC Rating														
Existing														
X New														
120/208 Volt, 1-Phase, 3-Wire				X MCB 60 AMP MCB		X Single		X Double		X Mounting				
1 Section				MLO 100 AMP BUS (Copper)		Feed - Thru		Feed - Thru		X Surface				
3R -Nema Rating										Flush				
Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH #	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
1	180	SCOREBOARD	M	12	20/1	1	A	2				SPACE		
	180	RECEPTACLE	R	12	20/1	3	B	4				SPACE		
		SPARE		12	20/1	5	A	6				SPACE		
		SPARE		12	20/1	7	B	8				SPACE		
		SPARE				9	A	10				SPACE		
		SPARE				11	B	12				SPACE		
	360	Subtotal										Subtotal	0	
N.E.C. (2011)				N.E.C. (2011)				N.E.C. (2011)						
Load Type	Conn.	Fct.	Diversity	Load Type	Conn.	Fct.	Diversity	Load Type	Conn.	Fct.	Diversity			
(R) Recept.	180		180	(L) Lighting	0	125%	0	(L) Lighting	0	125%	0			
(K) Kitchen	0	100%	0	(EL) Ext. Ltg.	0	100%	0	(E) Elevators	0	100%	0			
(C) Cooling	0	0%	0	620.14	0	100%	0	(WH) Water Ht.	0	100%	0			
(H) Heating	0	0%	0		0	100%	0	(MT) Lg. Mot.	0	125%	0			
(F) Fans	0	100%	0	220.5	0	100%	0	(SP) Sub Panel	0	100%	0			
(W) Welders	0		0											
(M) Misc.	180	100%	180											
Total Connected Load = 360 VA = 1.0 AMPS				Location of Panel: SCOREBOARD										
Total Load (Diversified) = 360 VA = 1.0 AMPS														

PANEL SCHEDULE NOTES:  
1. PROVIDE GFCI TYPE BREAKER.



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HA

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1/7/2022

**Mission CISD**

PROJECT: MCISD K. WHITE JUNIOR HIGH  
NEW SOCCER/FOOTBALL SCOREBOARD  
1101 W GRIFFIN PKWY, MISSION, TEXAS 78572

JOB NO. 21-188  
DATE: 01/07/22  
DRAWN BY:  
CHECKED BY:  
REVISION:  
DRAWING NO. EP2.1

**PART 1: GENERAL – ELECTRICAL**

**1-1 DESCRIPTION:**

All work on these drawings shall be done in strict accordance with these specifications. 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.

**1-2 WARRANTY:**

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.

**1-3 PROJECT CONDITIONS:**

Visit the site of the proposed construction in order to fully understand the facilities, difficulties and restriction attending the execution of the work. No additional compensation will be allowed this Contractor for work or items omitted from his original Proposal due to his failure to inform himself regarding such matters affecting the performance of the work in this Contract or necessary for the installation and completion of the work included herein.

**1-4 PERMITS AND FEES:**

The contractor shall arrange and pay for all permits, fees, tests, and all inspections as required by governmental authorities.

**1-5 COORDINATION WITH FIELD CONDITIONS:**

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.

Approximate location of transformers, feeders, branch circuits, lighting and power outlets 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.

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.

**1-6 SUBMITTALS:**

Contractor shall provide six sets of submittals, shop drawings, descriptive literature, physical data and a specification critique for the following items:

Panelboards  
Heavy Duty Disconnect Switches  
Conduit and Fittings  
Wire

Any deviations from the specified items shall be listed on the cover sheet and clearly itemized for all deviations. The contractor shall provide two copies of owner's manuals to the architect upon completion of the work.

**1-7 SUBSTITUTIONS**

A. The names, 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.

**1-8 QUALITY ASSURANCE:**

All work shall be performed in accordance with all state, local & federal codes and all authorities having jurisdiction, including but not limited to:

- National Electrical Code (NEC)
- American Society for Testing and Materials (ASTM)
- Underwriter's Laboratories, Inc. (UL)
- Insulated Power Cable Engineer's Association (IPCEA).
- National Electrical Manufacturer's Association (NEMA).
- Institute of Electrical and Electronic's Association (IEEE).
- American National Standards Institute (ANSI).
- National Fire Protection Association (NFPA).

**1-9 SLEEVES, CUTTING AND PATCHING:**

This Section shall be responsible for the placing of sleeves for all conduit passing through walls, partitions, beams, floors, roof, etc. Sleeves through below-grade walls shall be as specified and detailed on the plans.

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.

**1-10 EXCAVATION AND BACKFILL:**

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. 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.

**1-11 CLEANING:**

Clean lighting fixtures and equipment.

Touch-up and refinish scratches and marred surfaces on panels, switches, starters, and transformers.

**1-12 TESTS AND INSPECTIONS**

Tests and inspection requirements shall be coordinated Architect.

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.

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.

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.

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.

Panelboards, switches, fixtures, etc., shall be cleaned and in operating condition. Certificates and documents required hereinbefore shall be in order and presented to the Architect prior to inspection.

Panel covers, junction box covers, etc., shall be removed for visual inspection of the wire, bus bars, etc.

After the inspection, any items that are noted as needing to be changed or corrected in order to comply with these specifications and the drawings shall be accomplished without delay.

**PART 2: PRODUCTS – ELECTRICAL**

**2-1 ALL PRODUCTS:**

All products shall be listed by Underwriter's Laboratories and have the U.L. label affixed.

**2-2 RACEWAYS AND FITTINGS:**

Except as noted or otherwise specified, all wiring shall be installed in galvanized rigid steel conduit or electrical steel tube (EMT) of the proper size to contain the number of conductors required in accordance with the latest edition of the N.E.C. Where conduit sizes are shown on the drawings, those shall take preference.

Provide EMT in sizes up to 4 inches when concealed or not exposed to damage; Rigid steel, galvanized for underground use, where exposed to damage, or in exterior applications; Rigid galvanized steel where embedded in concrete or masonry construction.

Minimum size shall be 3/4 inch except for fixture whips not exceeding 6'-0" long. Branch circuits run underground shall be run in Carlon Schedule 40 PVC conduit. Install ground wire in accordance with NEC table 250-95. Electrical metallic tubing systems shall utilize watertight compression type fittings where exposed to moisture and set screw type fittings elsewhere.

Conduit shall be run concealed in finished areas. Conduit may be exposed in mechanical rooms and where otherwise indicated.

Concealed conduit shall run in as direct manner with as long bends as possible. Exposed conduit shall be run parallel with, or at right angles to the lines of the building; and all bends shall be made with standard conduit elbows or conduit bent to not less than same radius. Not more than equivalent of four quarter bends shall be used in any run between terminals and cabinet, or between outlet and junction boxes. Approved conduits shall be used in lieu of conduit elbows where ease of installation and appearance warrants their use. Conduit joints shall be made with approved couplings and unions.

Provide #30 nylon pulling line in all conduits in which permanent wiring is not installed.

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.

At locations where feeder, or other large conduits, must pass through slabs on fill or grade, the conduit shall be PVC coated rigid galvanized steel, extended 6 inches into the earth, and 2 inches above exposed surface of slab.

All conduit shall be securely fastened and supported using hot galvanized malleable iron one-hole pipe straps, clamps, hangers or other means approved by the engineer. Supports shall be as required by NEC. Tie wire shall not be used as support or securing means. Support conduit independently of ceiling hanger wire.

**2-3 OUTLET AND JUNCTION BOXES:**

Provide an approved galvanized outlet box with adequate volume for number of conductors concerned.

Provide standard galvanized switch boxes of the required number of gangs. Switch boxes for exposed wiring shall be handy boxes or approved equal.

Outlet boxes for receptacles shall be similar to Universal 52151 with suitable raised cover. Receptacle boxes on exposed wiring shall be handy boxes or approved equal.

Weatherproof boxes where necessary shall be FS or FD.

Outdoor boxes shall be NEMA 3R, with conduit connections made by Myers Hubs.

See notes and details on Drawings for special box requirements.

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.

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.

Provide coverplates for all outlet boxes.

Provide junction boxes and conduit system for all electrical systems and low voltage systems (i.e. electrical, sound, security, fire alarm, CCTV, cameras, CATV, intercom).

**2-4 PULL BOXES:**

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.

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.

**2-5 WIRE AND CABLE:**

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.

Wire shall be soft drawn, annealed, 98% pure copper, with tin coating. Aluminum wiring is not acceptable.

Acceptable manufacturers for 600 volt wire and cable shall be Southwire, Encore, and Cerro.

Acceptable manufacturers for 300 volt wire and cable shall be Westpenn, Beldon, Alpha and Tappan.

Acceptable manufacturers for connectors shall be AMP, Burndy, Ideal, 3M, O.Z. Gedney, and Thomas & Betts.

**A. TYPES:**

1. Provide code gauge type "THHN/THWN-2" insulation.
2. All wiring shall be stranded. Minimum wire shall be No. 12, unless otherwise shown on Drawings.
3. Fire alarm device wiring shall be 300 volt, PVC jacket UL-listed when routed in a raceway. The jacket shall be UL listed for use in air plenums when a raceway is not used.
4. Control wiring shall be No. 14 AWG copper conductor unless otherwise shown; 600 volt rated insulation.
5. Open low voltage wiring in return air plenums shall be plenum rated or run in conduit. All wiring in mechanical rooms electrical rooms and other areas subject to physical damage shall be run in conduit.

B. COLOR CODING: Conductors shall be color coded in accordance with the governing authority requirements or as follows:

120/208V	277/480V	120/240V
NEUTRAL: White PHASE A: Black PHASE B: Red PHASE C: Blue GROUND: Green	Neutral: Gray Phase A: Brown Phase B: Purple Phase C: Yellow Ground: Green	Neutral: White Phase A: Black Phase B: Orange Phase C: Blue Ground: Green

**C. SPLICES:**

Splices, where required, shall be fully made up in outlet boxes with compression crimp-on type splice connectors and at least 12 inches tagged and left for the fixture hanger. Where local requirements specify certain colors for phases and neutral, etc., these shall become the standard for this project.

Joints and splices will not be permitted in mains or feeder. 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. Fit joints and splices with Buchanan Series "2000" solderless connectors complete with insulating caps or properly sized wire nuts. \*Wago push-in connectors are not acceptable.

D. Terminations: Provide STA-CON devices to terminate stranded conductors on device not rated to accept stranded conductors. All wiring shall be torqued per manufacturers specifications.

**E. METAL CLAD CABLE – TYPE MC**

1. At the contractor's option, metal clad cable (MC) may be used if approved by the authority having jurisdiction and building owner. The cable shall contain an insulated green grounding conductor (3 wire) and shall be the same size as the phase conductor. Conductors shall be solid copper.
2. Metal clad cable shall not be used for homeruns. Metal clad cable shall only be used for branch circuit drops from ceiling mounted junction boxes to outlets and for horizontal runs in a common wall from outlet to outlet. Do not route outlet to adjacent walls. Fixture to fixture wiring is acceptable in hard non-accessible ceilings.
3. Metal clad shall be UL approved connectors and shall be used and installed per Article 334 of the National Electrical Code.

**2-7 GROUNDING AND BONDING:**

Provide electrical service, equipment and wiring device grounding as shown, scheduled and as specified.

The types of grounding include, but are 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. A grounding conductor is required for all feeders and circuits.

Provide grounding products manufactured by Copperweld and Cadweld.

Ground rods shall be 3/4" inch diameter by 10 feet long construction with copper jacket and a steel core. Ground clamps shall be copper except for steel or iron pipes in which the clamps shall be galvanized iron. Conductors shall be connected by means of an approved pressure connector or clamp.

Perform a ground resistance test using a biddle megger. The system resistance shall not exceed 5 OHMS. Provide additional electrodes as required (refer to 250-84 of the NEC). Test shall not be conducted following wet weather. Provide personnel and instruments to conduct these tests and submit certified test for review.

A. BUILDING STEEL AND PIPING SYSTEM: Install a bonding jumper between building steel and metallic piping systems to bond them to the electrical grounding system.

B. 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.

C. 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.

D. MOTORS: The frame of all motors shall grounded.

E. SPECIAL GROUNDING: Provide a #6 AWG copper grounding conductor for each telephone board, television system, MDF rooms, IDF rooms etc. Terminate the grounding conductor on ground bus and to the building electrical grounding system. Refer to article 800 and 820 of the NEC.

F. LIGHTING FIXTURES: Provide grounding conductor in all flexible whips, whips shall not exceed 6 feet.

G. RECEPTACLES: All receptacle shall be grounded. Receptacles shall use an approved grounding yoke.

H. REMOTE PANELBOARDS: Provide a grounding electrode conductor at all remote panels as required by the NEC.

**2-10 PANELBOARDS:**

Furnish and install power distribution, lighting and appliance 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. Acceptable manufacturers are General Electric Company or Square D Company. Load centers are not acceptable.

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 50°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 plated copper.

Bus structure shall be insulated. 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.

Provide a bare uninsulated and/or insulated ground bus and full or double size neutral bus as required and indicated in each panelboard schedule.

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.

Place a neat, carefully typewritten directory card identifying the load served by each branch circuit in the frame on the panel door, under a clear plastic cover. Spares and spaces shall be written with erasable pencil for future use.

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 identify replacement components.

**A. Circuit Breakers**

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).

FRAME SIZE/ VOLTAGE	CONVENTIONAL INTERRUPTING CAPACITY	HIGH INTERRUPTING CAPACITY	CURRENT LIMITING
100AF/240V	10,000 AIC	65,000 AIC	200,000 AIC
225AF/240V	10,000 AIC	65,000 AIC	200,000 AIC
400AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
600AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
800AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
1000AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
1200AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
100AF/480V	14,000 AIC	25,000 AIC	200,000 AIC
225AF/480V	22,000 AIC	65,000 AIC	200,000 AIC
400AF/480V	30,000 AIC	35,000 AIC	200,000 AIC
600AF/480V	30,000 AIC	65,000 AIC	200,000 AIC
800AF/480V	30,000 AIC	65,000 AIC	200,000 AIC
1000AF/480V	30,000 AIC	65,000 AIC	200,000 AIC
1200AF/480V	50,000 AIC	65,000 AIC	200,000 AIC

**3. 240 Volt Lighting and Appliance Panelboard:**

All main circuit breakers shall be vertically mounted and shall not be installed in branch breaker spaces. 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. Breakers shall have an over-center, tri-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 240 volts ac maximum with continuous current rating as noted on the plans. The lugs for terminating conductors shall be rated at 75°C.

Single pole 15 and 20 ampere circuit breakers shall be UL listed as "Switching Breakers" at 120V ac and carry the SWD marking.

UL Class A ground fault circuit protection shall be provided on all receptacle circuits serving wet areas and on all 120V ac branch circuits as specified on the plans or panelboard schedule. This protection shall be an integral part of the branch circuit breaker, which also provides overload, and short circuit protection for branch circuit wiring. Tripping of a branch circuit breaker containing ground fault circuit interruption shall not disturb the feeder circuit to the panelboard. A single pole circuit breaker with integral ground fault circuit interruption shall require no more panelboard branch circuit space than a conventional circuit breaker. Circuit breakers shall be rated 10,000 AIC at 240V unless otherwise noted on plans.

**B. Fusible Switches**

All fusible switches shall be quick-make, quick-break with visible blades and dual horsepower ratings. Switch handles shall physically indicate "ON" and "OFF" positions. Switches shall be lockable only in the "OFF" position and accept three industrial type heavy duty padlocks. Switch covers and handles shall be interlocked to prevent opening in the "ON" position. A means shall be provided to permit authorized personnel to release the interlock for inspection purposes. Switches shall include positive pressure rejection type fuse clips for use with UL class R fuses and be UL labeled for 200,000 AIC. Class "J" fuses shall be UL labeled for 200,000 AIC. The lugs for terminating conductors shall be rated at 75°C.

**C. Cabinets and Fronts**

The panelboard bus assembly shall be enclosed in a steel cabinet with multiple knockouts. The rigidity and gauge of steel to be as specified in UL Standard 50 for cabinets. Wiring gutter space shall be in accordance with UL Standard 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 lighting and receptacle panels shall have hinged front covers. The front cover shall have a door with hinges, latch and a lock. The hinged front covers 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. Fronts shall have adjustable indicating trim clamps, which shall be completely concealed when the doors are closed. Doors shall be mounted with completely concealed steel hinges. A circuit directory frame and card with a clear plastic covering shall be provided on the inside of the door. Where required by local code, provide Nema 3R enclosure where installed in a sprinkled area.

**D. Safety Barrier**

The distribution panelboard interior assembly shall be dead front with panelboard front removed. Main lugs or main breakers shall have barriers on five sides. 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.

**E. Integrated Equipment Short Circuit Rating**

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 Underwriters Laboratories Standard 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.

**2-12 SAFETY AND DISCONNECT SWITCH:**

A. Products shall be designed, manufactured, tested and installed in compliance with applicable standards.

1. NEMA KSI – Enclosed switches
2. Federal specification W-5-865C-Heavy duty switches

Products shall conform all applicable UL standards, including UL98 (standard for safety, enclosed and dead front switches) and shall be UL-labeled.

Acceptable manufacturers are:

General Electric Company, Square D Company, or Eaton.

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.

**B. Switch Interior**

All switches shall have switchblades, which 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 aluminum cables. All switches blades and contacts shall be plated copper.

**C. Switch Mechanism**

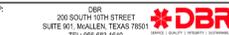
Switches shall have a quick-make and quick-break operating handle and mechanism, which shall be an integral part of the box, not the cover. Padlocking provisions shall be provided for locking in the "OFF" position with at least three padlocks. Switches shall have a dual cover interlock to prevent unauthorized 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".

**D. Neutral**

Provide a solid neutral with the safety switch where a neutral is present in the circuit.

**E. Ratings**

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 when required. Adjust load side terminal block as required to accept Class J fuses. UL listed short circuit ratings of the switches, when equipped with Class R or Class J fuses, shall be 200,000 symmetrical amperes.



SEAL



General Electric Company, Square D Company, or Eaton.

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.

**B. Switch Interior**

All switches shall have switchblades, which 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 aluminum cables. All switches blades and contacts shall be plated copper.

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# MISSION CISD

## RAFAEL A. CANTU JUNIOR HIGH

### NEW SOCCER/FOOTBALL SCOREBOARD

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- S1.0 GENERAL NOTES
- S1.1 GENERAL NOTES AND DETAILS

#### MEP

- EP1.1 ELECTRICAL PARTIAL SITE PLAN - DEMO
- EP2.1 ELECTRICAL PARTIAL SITE PLAN
- E7.0 ELECTRICAL SPECIFICATIONS

### Mission, Texas



#### SCHOOL BOARD

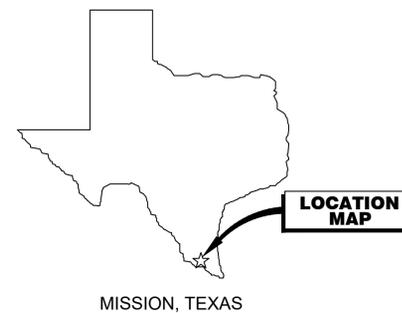


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# GENERAL NOTES

## GENERAL

- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR THE EARTH BANKS, FORMS, SCAFFOLDING, PLANNING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES, GIN POLES, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AND THEY SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR RIDDING PURPOSES ONLY. EXACT WEIGHTS AND LOCATIONS OF MECHANICAL EQUIPMENT SHALL BE COORDINATED BY CONTRACTOR. IF THE FINAL LOCATION VARIES FROM THAT SHOWN ON THE PLANS, CONTRACTOR TO NOTIFY ARCHITECT AND ENGINEER FOR APPROVAL BEFORE INSTALLATION.
- SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL BE RESPONSIBLE FOR CONDITIONS OF ALL WORK AND MATERIALS.
- THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND ELEVATIONS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE ARCHITECT. ANY CONFLICT BETWEEN THE DRAWING AND SPECIFICATIONS OF THE VARIOUS TRADES INVOLVED SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER.
- DETAILS SHOWN ON DRAWINGS APPLY AT SIMILAR CONDITIONS.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL STANDARDS AND TO ALL APPLICABLE PROVISIONS OF THE GOVERNING BUILDING CODE.
- THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED IN WRITING WHEN WORK COMMENCES.
- CONTRACTOR SUBSTITUTIONS: ANY MATERIALS OR PRODUCTS THAT ARE SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIALS OR PRODUCTS SPECIFIED IN THE CONTRACT DOCUMENTS WILL ONLY BE CONSIDERED IF THE FOLLOWING CRITERIA ARE SATISFIED.
  - A COST SAVING TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST
  - THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) AND THE ICBO REPORT IS SUBMITTED WITH THE REQUEST.

## STRUCTURAL OBSERVATION

- THE PROFESSIONAL ENGINEER OR HIS/HER AUTHORIZED REPRESENTATIVE SHALL CONDUCT ALL STRUCTURAL OBSERVATIONS. STRUCTURAL OBSERVATIONS SHALL BE FOR THE PURPOSE OF ASCERTAINING GENERAL COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. HOWEVER, SUCH OBSERVATION VISITS SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OBLIGATIONS AND RESPONSIBILITIES TO THE CONSTRUCTION DOCUMENTS.
- ITEMS THAT REQUIRE A STRUCTURAL OBSERVATION ARE AS FOLLOWS:
  - STEEL REINFORCEMENT IN FOUNDATION
  - STRUCTURAL STEEL FRAMING
- NOTIFY ENGINEER 48 HOURS IN ADVANCE WHEN A STRUCTURAL OBSERVATION IS REQUIRED.
- WORK SHALL NOT CONTINUE AT THESE AREAS UNTIL OBSERVATION AND APPROVAL BY ENGINEER. FAILURE BY THE CONTRACTOR TO PROVIDE PROPER NOTICE FOR AN OBSERVATION VISIT AT THE REQUIRED TIME OR ADDITIONAL WORK PERFORMED WITHOUT AN OBSERVATION VISIT WILL BE DONE AT CONTRACTOR'S RISK AND MAY BE SUBJECT TO COMPLETE OR PARTIAL REMOVAL TO VERIFY COMPLIANCE OF PREVIOUS WORK.

## SHOP DRAWINGS & SUBMITTALS

- SUBMITTAL THAT WILL BE REQUIRED FOR APPROVAL INCLUDE:
  - CONCRETE MIX DESIGN
  - CONCRETE ACCESSORIES (CHAIRS/BOLSTERS, WHEEL SPACERS)
  - CONCRETE REINFORCEMENT
  - STRUCTURAL STEEL
- DEFERRED SUBMITTALS THAT WILL REQUIRE APPROVAL INCLUDE: NONE
- ALLOW (2) WEEKS MINIMUM FOR REVIEW OF SHOP DRAWINGS.
- PRIOR TO ISSUING THE SUBMITTALS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSION WITH ARCHITECTURAL PLANS.
- REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL CONFORMANCE TO THE STRUCTURAL DRAWINGS. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR FOR ANY ERRORS IN DIMENSIONS OR MATERIAL INDICATED ON THE SHOP DRAWINGS.

## DESIGN CRITERIA

- DESIGN LOADS, STRUCTURAL ANALYSIS AND PREPARATIONS OF STRUCTURAL MEMBERS ARE BASED ON THE FOLLOWING CRITERIA:
- CODE: ..... IBC 2018
- LATERAL LOADS
  - WIND SPEED (V-ULT): ..... 120 MPH
  - WIND SPEED (V-ASD) ..... 93 MPH
  - EXPOSURE CATEGORY: ..... C
  - BUILDING CATEGORY: ..... I
  - WIND PRESSURE (V-ASD): ..... 25 PSF
- GEOTECHNICAL ENGINEERING REPORT : PROVIDED BY: RABA KISTNER  
PROJECT NUMBER: AMA21-036-00  
DATE: 11/17/21  
FOUNDATION DESIGN BASED ON THE FOLLOWING PARAMETERS  
DEEP FOUNDATION:
  - MINIMUM EMBEDMENT DEPTH: ..... 12 FT
  - MAXIMUM EMBEDMENT DEPTH: ..... 40 FT
  - ALLOWABLE END BEARING PRESSURE (TOTAL LOAD): ..... 15,000 PSF (12 TO 40 FT.)
  - ALLOWABLE SIDE SHEAR: 0 TO 8 FT: ..... NEGLECT  
8 TO 40 FT: ..... 1,000 PSF
  - ALLOWABLE UPLIFT RESISTANCE: 0 TO 8 FT: ..... NEGLECT  
8 TO 20 FT: ..... 650 PSF

## REINFORCING STEEL

- ALL REINFORCEMENT SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
- REINFORCING STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI DETAILING MANUAL (SP-66) AND CSRI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE, (ACI #315).
- BARS SCHEDULED OR DETAILED "CONT" SHALL BE SPLICED ONLY WHEN UNAVOIDABLE AT POINTS OF MINIMUM STRESS AND WITH A MINIMUM LAP AS FOLLOWS:
  - HORIZONTAL BARS w/ MORE THAN 12" OF FRESH CONCRETE CAST BELOW LAPS.
 

#6 BARS AND SMALLER	-	57 BAR DIAMETERS
#7 BARS AND BIGGER	-	72 BAR DIAMETERS
  - OTHER BARS
 

#6 BARS AND SMALLER	-	44 BAR DIAMETERS
#7 BARS AND BIGGER	-	55 BAR DIAMETERS
  - ALL SPLICES TO BE STAGGERED A MINIMUM OF 4'-0". TOP BAR AND BOTTOM BAR SPLICES TO BE LOCATED AT MID-SPAN AND WITHIN 1/3 SPAN RESPECTIVELY.
- CORNER REINFORCING BARS SHALL BE USED AT ALL CORNERS AND INTERSECTIONS.
- EXTEND THE SLAB REINFORCING STEEL PERPENDICULAR TO EXTERIOR GRADE BEAM TO THE TOP OUT SIDE REINFORCING BAR OF BEAM.
- SPACE REINFORCING BARS WITH MINIMUM CLEAR SPACING IN ACCORDANCE WITH ACI 318 OF ONE BAR DIAMETER, BUT NOT LESS THAN 1 INCH. FOR COMPRESSION MEMBERS, SPACE AT A MINIMUM OF 1.5 INCHES OR 1.5 BAR DIAMETERS, WHICHEVER IS GREATER.
- WHERE REINFORCING BARS ARE PLACED IN MULTIPLE LAYERS, PLACE UPPER BARS DIRECTLY ABOVE LOWER BARS.
- MAINTAIN CONCRETE COVER AROUND REINFORCEMENT IN ACCORDANCE WITH ACI 318 AND AS FOLLOWS:
 

A. FOOTING AND CONCRETE CAST AGAINST EARTH	-	3 INCHES
B. EXPOSED TO EARTH OR WEATHER	-	2 INCHES
#6 BARS AND BIGGER	-	2 INCHES
#5 BARS AND SMALLER	-	1.5 INCHES
C. BEAMS AND COLUMNS	-	1.5 INCHES
D. SLABS AND WALLS	-	1 INCH
- REPAIR ANY DAMAGE TO VAPOR RETARDER PER MANUFACTURER SPECIFICATIONS.
- ADDITIONAL REINFORCING TO BE PROVIDED ON SITE FOR USE AS DIRECTED BY STRUCTURAL ENGINEER.
 

#4 BARS	-	100 FT.
#5 BARS	-	100 FT.
#6 BARS	-	100 FT.

## CONCRETE

- ALL CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH ACI 318 AND ACI 301 LATEST EDITION.
- CEMENT SHALL CONFORM TO ASTM C150 TYPE I AGGREGATE SHALL CONFORM TO ASTM C33.
- CONCRETE SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH AS FOLLOWS:
 

MEMBER TYPE	STRENGTH	SLUMP	MAX AGG.
PIERS	4000 PSI	4"-6"	1.5 IN.
- PLACE CONCRETE CONTINUOUSLY BETWEEN PRE-DETERMINED EXPANSION AND CONSTRUCTION JOINTS.
- ALL CONSTRUCTION JOINT LOCATIONS TO BE APPROVED BY STRUCTURAL ENGINEER.
- CURE CONCRETE IN ACCORDANCE WITH ACI 308.1
- FLYASH MAY BE USED TO REPLACE A PORTION OF THE PORTLAND CEMENT. THE RATIO OF FLYASH TO THE TOTAL OF THE FLYASH AND CEMENT IN A MIX SHALL NOT EXCEED 25%. FLYASH SHALL CONFORM TO ASTM C618, TYPE C OR F.
- TESTING OF CONCRETE SHALL BE DONE AS FOLLOWS:
  - SETS SHALL CONSIST OF 3 CYLINDERS  
ONE TESTED AT 7 DAYS  
TWO TESTED AT 28 DAYS
  - ONE SET SHALL BE TAKEN FOR EACH 150 CY AND FOR EVERY 5000 SF OF SURFACE AREA AND AT LEAST ONCE PER DAY OF PLACING CONCRETE
  - A MINIMUM OF 3 SETS SHALL BE TAKEN FOR EACH CLASS OF CONCRETE
- NO WATER SHALL BE ADDED TO THE CONCRETE AT THE JOBSITE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE CONCRETE SUPPLIER TO ENSURE A PUMPABLE AND WORKABLE MIX WITHOUT THE ADDITION OF WATER AT THE JOBSITE. THE USE OF PLASTICIZERS, RETARDANTS AND OTHER ADDITIVES SHALL BE AT THE OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER. FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER FOR THE PROPER USE OF ADDITIVES. THE USE OF CALCIUM CHLORIDE OR OTHER CHLORIDE BEARING SALTS SHALL NOT BE PERMITTED.
- PLACE CONCRETE IN A MANNER SO AS TO PREVENT SEGREGATION OF THE MIX. DELAY FLOATING AND TROWELING OPERATIONS UNTIL CONCRETE HAS LOST SURFACE WATER SHEEN OR ALL FREE WATER. DO NOT SPRINKLE FREE CEMENT ON THE SLAB SURFACE. FINISHING OF SLAB SURFACES SHALL COMPLY WITH THE RECOMMENDATIONS OF ACI 302.1 AND 304.
- UNLESS SPECIFIED, CONCRETE MUST REACH THE FOLLOWING PERCENTAGES OF ITS 28-DAY COMPRESSIVE STRENGTH (F<sub>c</sub>), BEFORE FORMS MAY BE REMOVED.
 

WALL, COLUMNS, & BEAM SIDES.....	40%
----------------------------------	-----
- NO CONCRETE SHALL BE PLACED OUTSIDE OF THESE SPECIFICATIONS WITHOUT THE OWNER'S PRIOR APPROVAL. ANY ITEMS NOT IN COMPLIANCE WITH THE OUTLINED SPECIFICATION SHALL BE REPORTED TO THE OWNER AND STRUCTURAL ENGINEER WITHIN 24 HOURS.

## DRILLED CONCRETE PIERS

- CONSTRUCTION PROCEDURES TO FOLLOW ACI 336.1 AND ACI 336.3R
- PIERS NOT SPECIFICALLY DIMENSIONED ON THE PLAN SHALL BE CENTERED UNDERNEATH COLUMN OR GRADE BEAM, AS OCCURS.
- PIERS SHALL BE DRILLED PLUMB ALONG ENTIRE LENGTH. MAXIMUM ALLOWED DEVIATION FROM POSITION AT TOP OF SHAFT IS 1" PER 10' OF DEPTH.
- PIERS SHALL BE DRILLED PLUMB ALONG ENTIRE LENGTH. MAXIMUM ALLOWED DEVIATION FROM POSITION AT TOP OF SHAFT IS 1" PER 10' OF DEPTH.
- ELEVATION OF TOP OF PIERS IS A THE BOTTOM OF THE DEEPEST INTERSECTING BEAM, COLUMN, OR WALL SUPPORTED AT THE PIER, UNLESS NOTED OTHERWISE.
- REINFORCING STEEL CAGE SHALL BE HELD IN PLACE BY A MINIMUM OF 3 SETS OF SPACERS AT A MAXIMUM SPACING OF 8 FT. ALONG THE ENTIRE DEPTH OF THE PIER AND AT 3' FROM THE BOTTOM.
- CONTRACTOR TO VERIFY DEPTH OF PIER BEFORE REINFORCING STEEL IS CUT. PIER STEEL SHALL BE DELIVERED TO SITE IN STANDARD LENGTHS AND CUT AS REQUIRED. PROVIDE 75 BAR DIAMETER LAPS WHEN NEEDED.
- PIER REINFORCING AND CONCRETE SHALL BE PLACED IMMEDIATELY AFTER DRILLING OPERATIONS ARE COMPLETE.
- UNDER NO CONDITIONS SHALL A PIER BE DRILLED THAT CANNOT BE POURED THE SAME DAY.
- CONTRACTOR TO COORDINATE WITH GEOTECHNICAL ENGINEER FOR INSPECTION AND VERIFICATION OF PIERS IN ORDER TO ENSURE BEARING IN CORRECT SOIL STRATUM AS RECOMMENDED IN PROJECT GEOTECHNICAL REPORT.
- TEMPORARY STEEL CASING MAY BE REQUIRED DURING DRILLING OPERATIONS. ANY SEEPAGE WATER SHALL BE REMOVED FROM PIER HOLES PRIOR TO POURING CONCRETE.
- STEEL CASING SHALL BE CONTINUOUSLY JOINED AND SHALL BE OF SUFFICIENT STRENGTH AND RIGIDITY TO WITHSTAND HANDLING STRESS, DRILLING STRESSES, CONCRETE PRESSURES, AND SURROUNDING EARTH AND WATER PRESSURES AND TO PERMIT ADVANCEMENT OF THE PIER THROUGH CAVING GROUND.
- SIZE AND LENGTH OF CASING SHALL BE SUBMITTED TO THE GEOTECHNICAL ENGINEER FOR ACCEPTANCE.
- PLACE CONCRETE IN PIER IN ONE CONTINUOUS OPERATION WITHOUT CESSATION FROM BOTTOM OF PIER TO TOP.
- TESTING OF CONCRETE SHALL BE AT THE RATE OF ONE SET OF FOUR (4) CYLINDERS PER PIER BUT NOT MORE THAN ONE SET PER TRUCKLOAD.
- CONTRACTOR SHALL MAKE ACCURATE RECORDS OF THE DRILLED PIER LOCATIONS, DEPTHS, BEARING STRATUM, DEPTH OF PENETRATION INTO BEARING STRATUM AND DIAMETER AND SHALL SUBMIT THIS INFORMATION TO ENGINEER.
- MINIMUM VERTICAL REINFORCING TO BE 1% OF CROSS-SECTIONAL AREA OF PIER, WITH MINIMUM OF SIX (6) BARS, AND #3 SPIRAL, UNLESS NOTED OTHERWISE.

## STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE TO AISC SPECIFICATIONS.
- MATERIALS USED SHALL BE AS FOLLOWS-
 

A. STRUCTURAL W-SHAPES	-	ASTM A992 GRADE 50
B. STRUCTURAL M-SHAPES AND S-SHAPES	-	ASTM A36
C. STRUCTURAL T-SHAPES	-	CUT FROM W-SHAPES
D. CHANNELS AND ANGLES	-	ASTM A36
E. ROUND HOLLOW STRUCTURAL SECTIONS	-	ASTM A500 GRADE B
F. SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SECTIONS	-	ASTM A500 GRADE B
G. STRUCTURAL PLATES	-	ASTM A36
H. STRUCTURAL BARS	-	ASTM A36
I. HIGH STRENGTH BOLTS	-	ASTM A325
J. ELECTRODES	-	SERIES E70
- ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS.
- CONNECTIONS NOT DETAILED AND/OR SCHEDULED ON STRUCTURAL DRAWINGS SHALL BE DETAILED BY FABRICATOR AND MARKED FOR ENGINEERS APPROVAL. CONNECTIONS TO BE DESIGNED TO AISC SPECIFICATIONS AND SHALL BE CAPABLE OF SUPPORTING 55% OF THE MAXIMUM UNIFORM LOAD CAPACITY FOR THE SPAN SPECIFIED, SHOWN IN THE TABLES OF UNIFORM CONSTANTS OF THE AISC MANUAL OF STEEL CONSTRUCTION.
- HOT DIP GALVANIZE, IN ACCORDANCE WITH ASTM A123 AND ASTM A153. STRUCTURAL STEEL AND FASTENERS PERMANENTLY EXPOSED TO THE WEATHER. REPAIR DAMAGED AREAS AND WELDS MADE AFTER GALVANIZING IN ACCORDANCE WITH ASTM A780 WITH ORGANIC ZINC RICH PAINT COMPLYING WITH DOD-P-21035 OR MIL-P-26915, MULTIPLE COATS TO DRY FILM THICKNESS OF 4 MILS.
- STRUCTURAL STEEL SHALL BE PAINTED WITH ONE COAT OF RUST INHIBITIVE PAINT.
- STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED IN WHOLE OR IN PART FOR SHOP DRAWING SUBMITTALS.
- PROVIDE 0.5 TON OF RED IRON ALLOWANCE TO BE USED AS DIRECTED BY STRUCTURAL ENGINEER. INCLUDE LABOR COSTS IN THE ALLOWANCE. ANY UNUSED ALLOWANCE SHALL BE CREDITED BACK TO OWNER AT A COST OF \$6000 PER TON.
- ALL WELDED CONNECTION SHALL BE MADE WITH A 1/4" FILLET WELD U.N.O.
- STEEL FABRICATOR SHALL BE CERTIFIED BY ONE OF THE FOLLOWING: AISC/ IBC/ IAS-ICC
- ALL EXPOSED STEEL SHALL BE HOT DIPPED GALVANIZED

## CONTRACTOR NOTE

THE STRUCTURAL SYSTEM FOR THIS PROJECT SHALL NOT BE CONSTRUCTED BY USING THE STRUCTURAL DRAWINGS ALONE. THESE DRAWINGS WERE DEVELOPED FROM DATA DERIVED PRIMARILY FROM THE ARCHITECTURAL DRAWINGS AND SECONDARILY FROM MEP, CIVIL AND OTHER DISCIPLINES' DOCUMENTS. IT IS INTENDED THAT CONSTRUCTION PROCEED BY UTILIZING ALL OF THE INFORMATION CONTAINED IN THE ENTIRE SET OF CONSTRUCTION DOCUMENTS TAKEN AS A WHOLE. FAILURE TO DO SO WILL RESULT IN ERRORS WHICH SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

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SEAL:



PROJECT: MCISD CANTU JUNIOR HIGH  
NEW SOCCER/FOOTBALL SCOREBOARD  
5101 N. STEWART RD, MISSION, Texas 78572

JOB NO. 21-188
DATE: 01/07/22
DRAWN BY: VDV
CHECKED BY: M.C.
REVISION:

DRAWING NO.  
**S1.0**

# GENERAL NOTES

## STRUCTURAL TESTS AND SPECIAL INSPECTION

- THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THIS SECTION.
- THE FOLLOWING TERMS AND PHRASES SHALL HAVE THE MEANINGS SHOWN BELOW AS IT PERTAINS TO THIS SECTION.
  - APPROVED AGENCY - AN ESTABLISHED AND RECOGNIZED AGENCY REGULARLY ENGAGED IN CONDUCTING AND FURNISHING SPECIAL INSPECTION SERVICES.
  - APPROVED FABRICATOR - AN ESTABLISHED AND QUALIFIED FIRM APPROVED BY BUILDING OFFICIAL. SPECIAL INSPECTIONS ARE NOT REQUIRED WHEN WORK IS PERFORMED ON THE PREMISES OF AN APPROVED FABRICATOR.
  - SPECIAL INSPECTION, CONTINUOUS - THE FULL TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION.
  - SPECIAL INSPECTION, PERIODIC - THE PART TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION.
- SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED THEY SHALL BE BROUGHT TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
- THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION, ONLY IF APPLICABLE
- SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360.

### REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

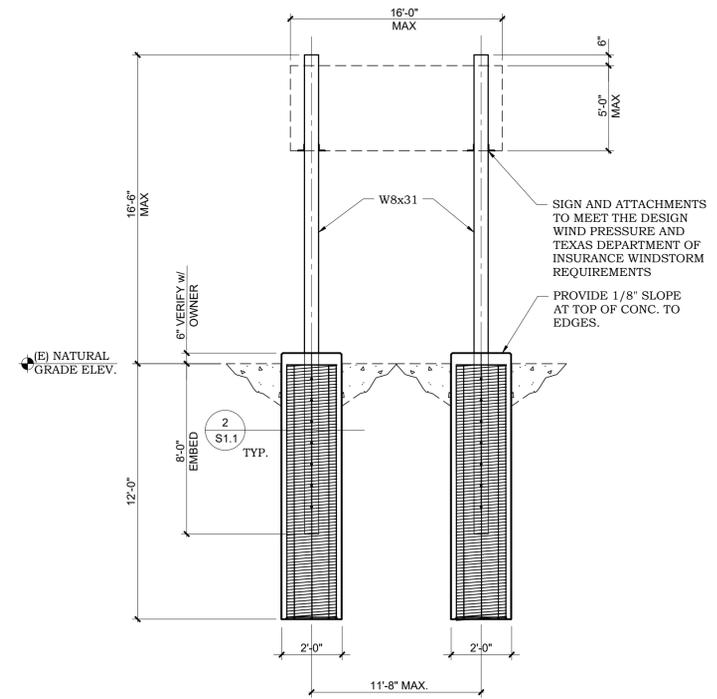
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD <sup>a</sup>	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	---	X	ACI 318: 3.5, 7.1-7.7	1910.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2b.	---	---	AWS D1.4 ACI 318: 3.5.2	---
3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	---	X	ACI 318: 8.1.3, 21.2.8	1908.5, 1909.1
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	---	X	ACI 318: 3.86, 8.1.3, 21.2.8	1909.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.	---	X	ACI 318: Ch. 4, 5.2-5.4	1904.2, 1910.2, 1910.3
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1910.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X	ACI 318: 5.11-5.13	1910.9
9. INSPECTION OF PRESTRESSED CONCRETE: a. APPLICATION OF PRESTRESSING FORCES. b. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC FORCE-RESISTING SYSTEM.	X	---	ACI 318: 18.20 ACI 318: 18.18.4	---
10. ERECTION OF PRECAST CONCRETE MEMBERS.	---	X	ACI 318: Ch.16	---
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	---	X	ACI 318: 6.2	---
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X	ACI 318: 6.1.1	---

### REQUIRED VERIFICATION AND OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	---
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	X	---
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	---	---

### REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD <sup>a</sup>	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS: a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC 360, SECTION A3.3	---
2. INSPECTION OF HIGH-STRENGTH BOLTING: a. BEARING-TYPE CONNECTIONS. b. SLIP-CRITICAL CONNECTIONS.	---	X	AISC 360, SECTION M2.5	---
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL: a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. b. MANUFACTURER'S CERTIFIED MILL TEST REPORTS.	---	---	ASTM A 6 OR ASTM A 568	---
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS: a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS. b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	---	AISC 360, SECTION A3.5	---
5. INSPECTION OF WELDING: a. STRUCTURAL STEEL: 1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. 2) MULTIPASS FILLET WELDS. 3) SINGLE-PASS FILLET WELDS > 5/16" 4) SINGLE-PASS FILLET WELDS ≤ 5/16" 5) FLOOR AND ROOF DECK WELDS.	X	---	AWS D1.1	---
b. REINFORCING STEEL: 1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706. 2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT. 3) SHEAR REINFORCEMENT. 4) OTHER REINFORCING STEEL.	---	X	AWS D1.3 AWS D1.4 ACI 318: 3.5.2	---
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS: a. DETAILS SUCH AS BRACING AND STIFFENING. b. MEMBER LOCATIONS. c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	---	X	---	---



#### NOTES:

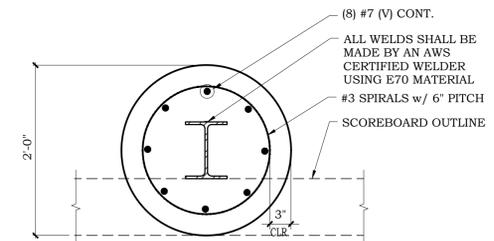
- CONTRACTOR TO VERIFY ALL DIMENSIONS WITH SCOREBOARD MANUFACTURER.
- ALL COMPONENTS OF SCOREBOARD TO MEET THE WIND PRESSURE PROVIDED ON THE DESIGN CRITERIA.
- CONTRACTOR SHALL OFFSET PIERS A MINIMUM OF 3'-0" FROM EXISTING SCOREBOARD.
- PROVIDE STEEL CASING IF GROUND WATER IS ENCOUNTERED DURING DRILLING OPERATIONS.

#### NOTES:

ALL EXPOSED STEEL TO BE HOT DIPPED GALVANIZED.

PIER ELEVATION

1



PIER SECTION

2

SEAL:



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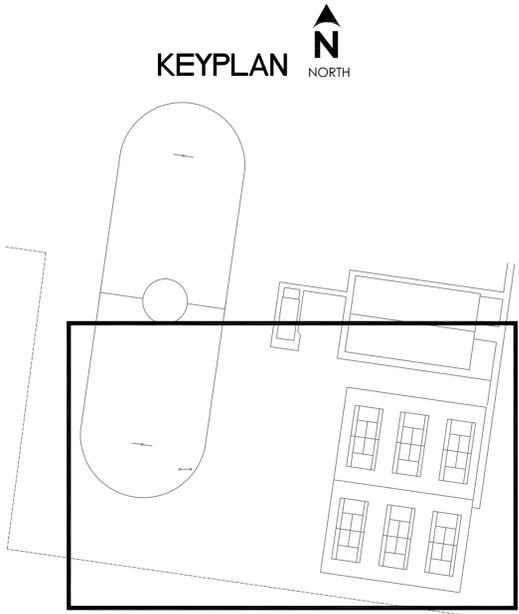
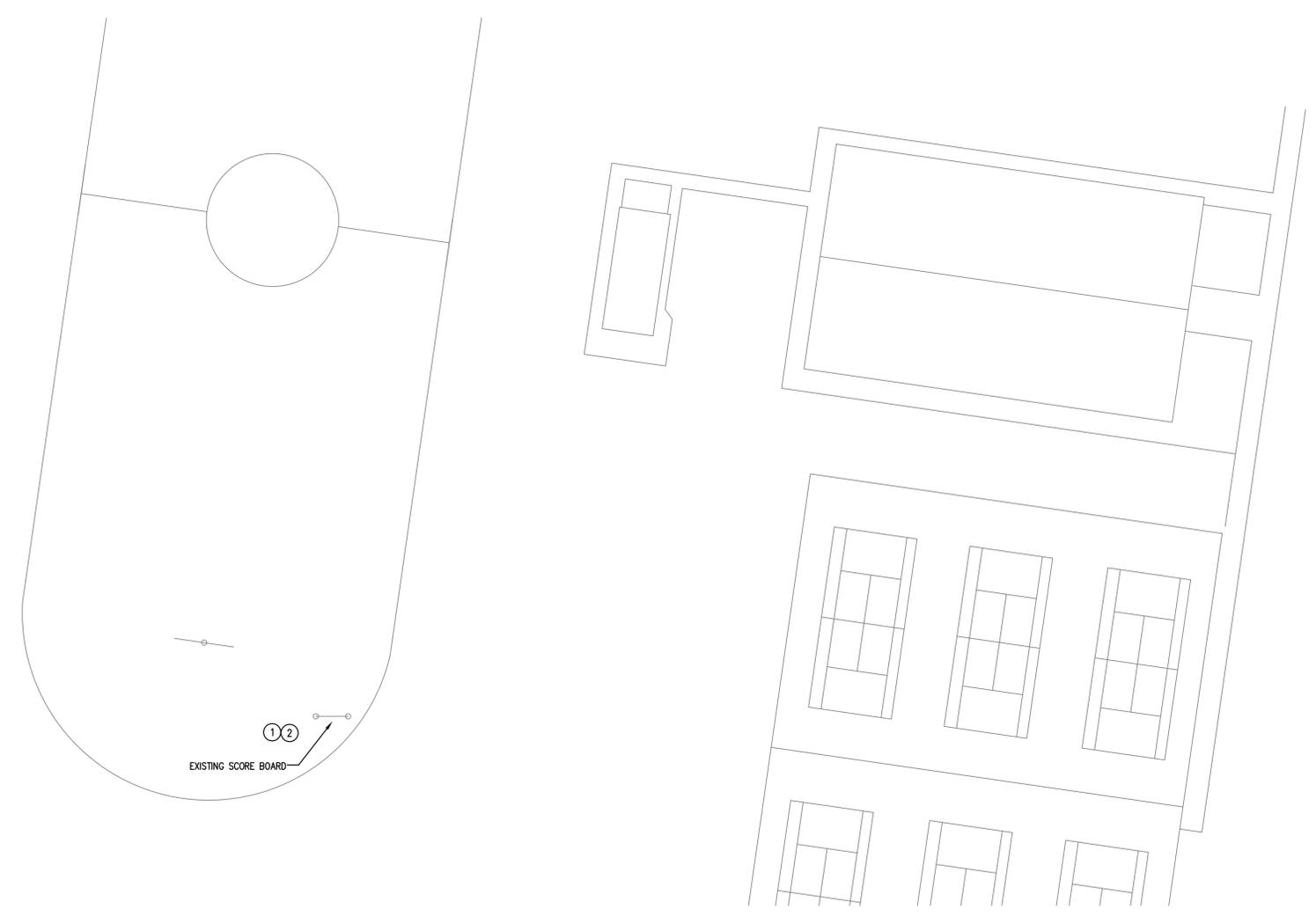
PROJECT: MCISD R. CANTU JUNIOR HIGH  
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DATE: 01/07/22
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DRAWING NO. **EP1.1**

**ELECTRICAL DEMO KEYED NOTES:**

1. REMOVE EXISTING LOAD CENTER FROM EXISTING SCOREBOARD.
2. CONTRACTOR TO REMOVE EXISTING WIRING FROM SCOREBOARD TO EXISTING PANEL 'L8' AND ABANDON EXISTING CONDUIT IN PLACE. EXISTING CONDUIT TO BE REMOVED TO BELOW GRADE.



**1** ELECTRICAL PARTIAL SITE PLAN - R. CANTU JHS - DEMO  
EP1.1 1"=30'-0"

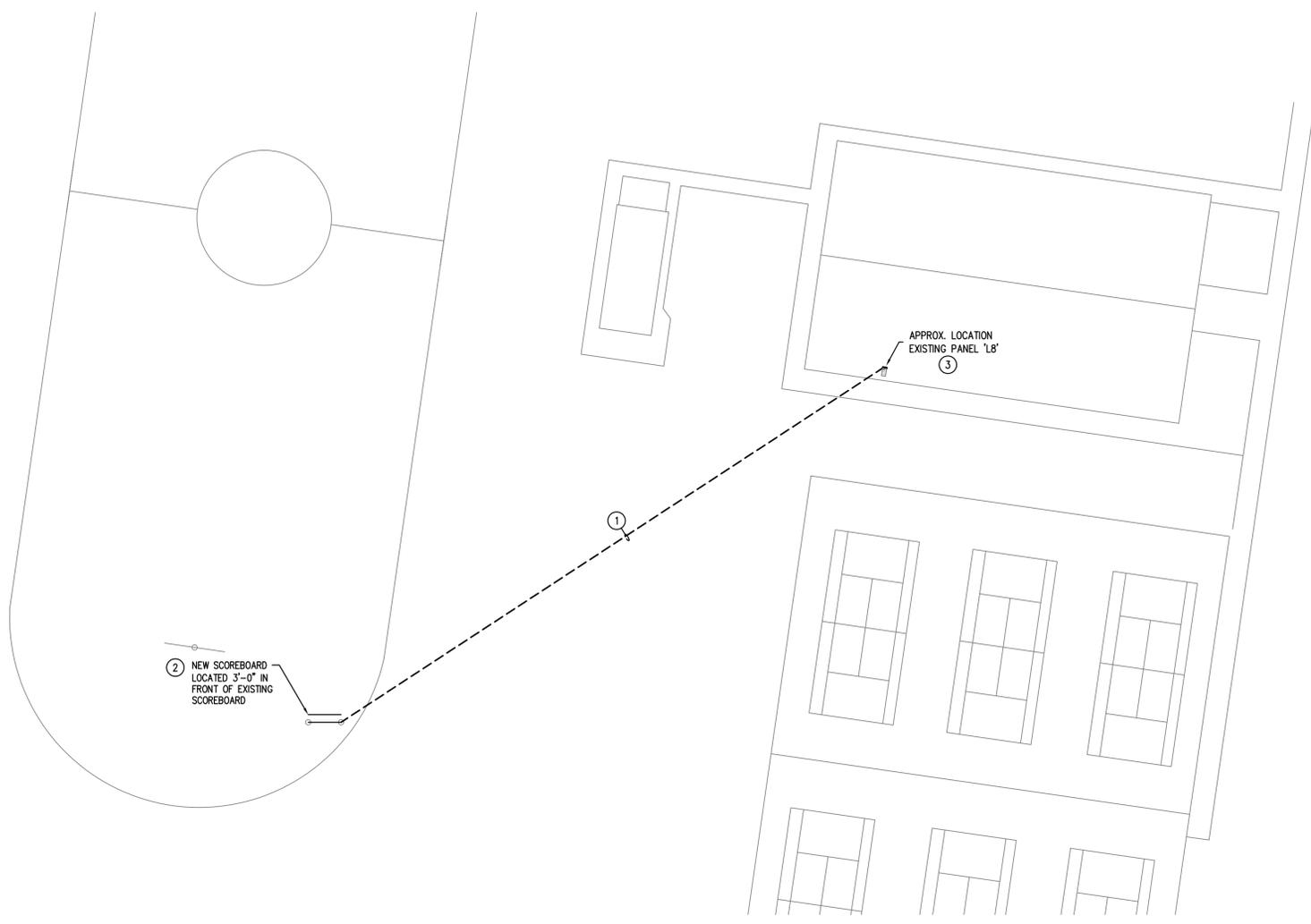
DBR Project Number 218022.000  
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PROJECT: **MCISD R. CANTU JUNIOR HIGH  
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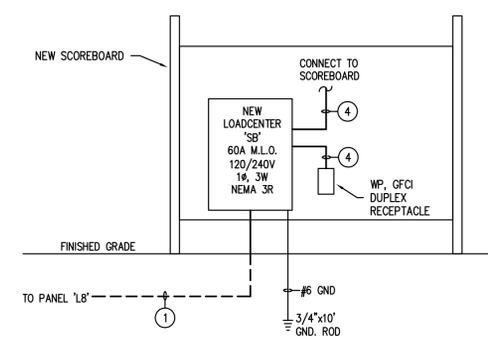
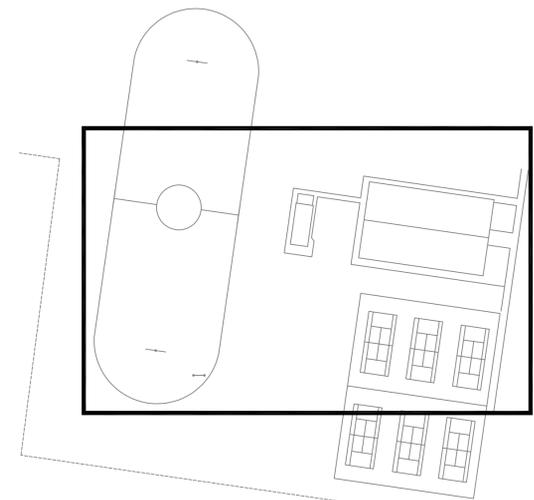
**EP2.1**



**ELECTRICAL KEYED NOTES:**

1. PROVIDE NEW #6, #10 GND, 1" CONDUIT ROUTED 2'-0" BELOW GRADE.
2. PROVIDE NEW 60A LOAD CENTER, NEMA 3R WITH FOUR 20A/1P BREAKERS AND A NEW WEATHERPROOF DUPLEX RECEPTACLE MOUNTED ON THE NEW SCOREBOARD STRUCTURE. PROVIDE NEW ELECTRICAL GROUNDING ROD.
3. PROVIDE NEW 60A/2P BREAKER IN EXISTING PANEL 'L8'.
4. 2#12, #12GND, 3/4" CONDUIT.

**1 ELECTRICAL PARTIAL SITE PLAN - R. CANTU JHS**  
EP2.1 1"=30'-0"



**2 ELECTRICAL ONE-LINE DIAGRAM**  
EP2.1 N.T.S.

Panelboard SB													
120/208 Volt, 1-Phase, 3-Wire					10,000 AIC Rating								
1 Section					Existing								
3R -Nema Rating					X New								
X MCB 60 AMP MCB					X Single Double								
MLO 100 AMP BUS (Copper)					Feed - Thru								
Mounting X Surface Flush													
Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CB	Wire	Type	Description	Load (VA)	Notes
1	180	SCOREBOARD	M	12	20/1	1	A	2			SPACE		
	180	RECEPTACLE	R	12	20/1	3	B	4			SPACE		
		SPARE		12	20/1	5	A	6			SPACE		
		SPARE		12	20/1	7	B	8			SPACE		
		SPARE				9	A	10			SPACE		
		SPARE				11	B	12			SPACE		
	360	Subtotal									Subtotal	0	
N.E.C. (2011)		Load Type	Conn.	Fct.	Diversity	N.E.C. (2011)		Load Type	Conn.	Fct.	Diversity		
220.44	(R) Recept.	180		100%	0	220.12	(L) Lighting	0		125%	0		
220.56	(K) Kitchen	0		100%	0	220.12	(EL) Ext. Ltg.	0		125%	0		
220.60	(C) Cooling	0		0%	0	620.14	(E) Elevators	0		100%	0		
220.60	(H) Heating	0		0%	0		(WH) Water Ht.	0		100%	0		
220.60	(F) Fans	0		100%	0	220.5	(MT) Ltg. Mot.	0		125%	0		
630.11	(W) Welders	0		0%	0		(SP) Sub Panel	0		100%	0		
	(M) Misc.	180		100%	180								
Total Connected Load =			360 VA =	1.0	AMPS	Location of Panel:			SCOREBOARD				
Total Load (Diversified) =			360 VA =	1.0	AMPS								

- PANEL SCHEDULE NOTES:
1. PROVIDE GFCI TYPE BREAKER.



DBR Project Number 218022.000  
HA

SECTION 26 00 00  
ELECTRICAL SPECIFICATIONS

PART I: GENERAL – ELECTRICAL

1-1 DESCRIPTION:

All work on these drawings shall be done in strict accordance with these specifications. 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.

1-2 WARRANTY:

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.

1-3 PROJECT CONDITIONS:

Visit the site of the proposed construction in order to fully understand the facilities, difficulties and restriction attending the execution of the work. No additional compensation will be allowed this Contractor for work or items omitted from his original Proposal due to his failure to inform himself regarding such matters affecting the performance of the work in this Contract or necessary for the installation and completion of the work included herein.

1-4 PERMITS AND FEES:

The contractor shall arrange and pay for all permits, fees, tests, and all inspections as required by governmental authorities.

1-5 COORDINATION WITH FIELD CONDITIONS:

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.

Approximate location of transformers, feeders, branch circuits, lighting and power outlets 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.

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.

1-6 SUBMITTALS:

Contractor shall provide six sets of submittals, shop drawings, descriptive literature, physical data and a specification critique for the following items:

Panelboards  
Heavy Duty Disconnect Switches  
Conduit and Fittings  
Wire

Any deviations from the specified items shall be listed on the cover sheet and clearly itemized for all deviations. The contractor shall provide two copies of owner's manuals to the architect upon completion of the work.

1-7 SUBSTITUTIONS

A. The names, 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.

1-8 QUALITY ASSURANCE:

All work shall be performed in accordance with all state, local & federal codes and all authorities having jurisdiction, including but not limited to:

National Electrical Code (NEC)  
American Society for Testing and Materials (ASTM)  
Underwriter's Laboratories, Inc. (UL)  
Insulated Power Cable Engineer's Association (IPCEA).  
National Electrical Manufacturer's Association (NEMA).  
Institute of Electrical and Electronic's Association (IEEE).  
American National Standards Institute (ANSI).  
National Fire Protection Association (NFPA).

1-9 SLEEVES, CUTTING AND PATCHING:

This Section shall be responsible for the placing of sleeves for all conduit passing through walls, partitions, beams, floors, roof, etc. Sleeves through below-grade walls shall be as specified and detailed on the plans.

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.

1-10 EXCAVATION AND BACKFILL:

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. 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.

1-11 CLEANING:

Clean lighting fixtures and equipment.

Touch-up and refinish scratches and marred surfaces on panels, switches, starters, and transformers.

1-12 TESTS AND INSPECTIONS

Tests and inspection requirements shall be coordinated Architect.

Data 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.

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.

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.

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.

Panelboards, switches, fixtures, etc., shall be cleaned and in operating condition. Certificates and documents required hereinbefore shall be in order and presented to the Architect prior to inspection.

Panel covers, junction box covers, etc., shall be removed for visual inspection of the wire, bus bars, etc.

After the inspection, any items that are noted as needing to be changed or corrected in order to comply with these specifications and the drawings shall be accomplished without delay.

PART 2: PRODUCTS – ELECTRICAL

2-1 ALL PRODUCTS:

All products shall be listed by Underwriter's Laboratories and have the U.L. label affixed.

2-2 RACEWAYS AND FITTINGS:

Except as noted or otherwise specified, all wiring shall be installed in galvanized rigid steel conduit or electrical steel tube (EMT) of the proper size to contain the number of conductors required in accordance with the latest edition of the N.E.C. Where conduit sizes are shown on the drawings, those shall take preference.

Provide EMT in sizes up to 4 inches when concealed or not exposed to damage; Rigid steel, galvanized for underground use, where exposed to damage, or in exterior applications; Rigid galvanized steel where embedded in concrete or masonry construction.

Minimum size shall be 3/4 inch except for fixture whips not exceeding 6'-0" long. Branch circuits run underground shall be run in Carlon Schedule 40 PVC conduit. Install ground wire in accordance with NEC table 250-95. Electrical metallic tubing systems shall utilize watertight compression type fittings where exposed to moisture and set screw type fittings elsewhere.

Conduit shall be run concealed in finished areas. Conduit may be exposed in mechanical rooms and where otherwise indicated.

Concealed conduit shall run in as direct manner with as long bends as possible. Exposed conduit shall be run parallel with, or at right angles to the lines of the building, and all bends shall be made with standard conduit elbows or conduit bent to not less than same radius. Not more than equivalent of four quarter bends shall be used in any run between terminals and cabinet, or between outlet or junction boxes. Approved conduits shall be used in lieu of conduit elts where ease of installation and appearance warrants their use. Conduit joints shall be made with approved couplings and unions.

Provide #30 nylon pulling line in all conduits in which permanent wiring is not installed.

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.

At locations where feeder, or other large conduits, must pass through slabs on fill or grade, the conduit shall be PVC coated rigid galvanized steel, extended 6 inches into the earth, and 2 inches above exposed surface of slab.

One conduit shall be securely fastened and supported using hot galvanized malleable iron one-hole pipe straps, clamps, hangers or other means approved by the engineer. Supports shall be as required by NEC. Tie wire shall not be used as support or securing means. Support conduit in conjunction of ceiling hanger wire.

2-3 OUTLET AND JUNCTION BOXES:

Provide an approved galvanized outlet box with adequate volume for number of conductors concerned.

Provide standard galvanized switch boxes of the required number of gangs. Switch boxes for exposed wiring shall be handy boxes or approved equal.

Outlet boxes for receptacles shall be similar to Universal 52151 with suitable raised cover. Receptacle boxes on exposed wiring shall be handy boxes or approved equal.

Weatherproof boxes where necessary shall be FS or FD.

Outdoor boxes shall be NEMA 3R, with conduit connections made by Myers Hubs.

See notes and details on Drawings for special box requirements.

Provide junction boxes required to facilitate installation of the various conduit systems. Provide support boxes required for risers, IDF rooms etc. Terminate the grounding conductor on ground bus and to the building electrical grounding system. Refer to article 800 and 820 of the NEC.

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 steel rock are not acceptable.

Provide coverplates for all outlet boxes.

Provide junction boxes and conduit system for all electrical systems and low voltage systems: (i.e. electrical, sound, security, fire alarm, CCTV, cameras, CATV, intercom).

2-4 PULL BOXES:

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.

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.

2-5 WIRE AND CABLE:

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.

Wire shall be soft drawn, annealed, 98% pure copper, with tin coating. Aluminum wiring is not acceptable.

Acceptable manufacturers for 600 volt wire and cable shall be Southwire, Encore, and Cerro.

Acceptable manufacturers for 300 volt wire and cable shall be Westpenn, Beldon, Alpha and Toppa.

Acceptable manufacturers for connectors shall be AMP, Burndy, Ideal, 3M, O.Z. Gedney, and Thomas & Betts.

A. TYPES:

1. Provide code gauge type "THHN/THWN-2" insulation.
2. All wiring shall be stranded. Minimum wire shall be No. 12, unless otherwise shown on Drawings.
3. Fire alarm device wiring shall be 300 volt, PVC jacket UL-listed when routed in a raceway. The jacket shall be UL listed for use in air plenums when a raceway is not used.
4. Control wiring shall be No. 14 AWG copper conductor unless otherwise shown; 600 volt rated insulation.
5. Open low voltage wiring in return air plenums shall be plenum rated or run in conduit. All wiring in mechanical rooms electrical rooms and other areas subject to physical damage shall be run in conduit.

B. COLOR CODING: Conductors shall be color coded in accordance with the governing authority requirements or as follows:

120/208V	277/480V	120/240V
NEUTRAL: White PHASE A: Black PHASE B: Red PHASE C: Blue GROUND: Green	Neutral: Gray Phase A: Brown Phase B: Purple Phase C: Yellow Ground: Green	Neutral: White Phase A: Black Phase B: Orange Phase C: Blue Ground: Green

C. SPLICES:

Splices, where required, shall be fully made up in outlet boxes with compression crimp-on type splice connectors and at least 12 inches tagged and left for the fixture hanger. Where local requirements specify certain colors for phases and neutral, etc., these shall become the standard for this project.

Joints and splices will not be permitted in mains or feeder. 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. Fit joints and splices with Buchanan Series "2000" solderless connectors complete with insulating caps or properly sized wire nuts. \*Wago push-in connectors are not acceptable.

D. Terminations: Provide STA-CON devices to terminate stranded conductors on device not rated to accept stranded conductors. All wiring shall be torqued per manufacturers specifications.

E. METAL CLAD CABLE – TYPE MC

1. At the contractor's option, metal clad cable (MC) may be used if approved by the authority having jurisdiction and building owner. The cable shall contain an insulated green grounding conductor (3 wire) and shall be the same size as the phase conductor. Conductors shall be solid copper.
2. Metal clad cable shall not be used for homeruns. Metal clad cable shall only be used for branch circuit drops from ceiling mounted junction boxes to outlets and for horizontal runs in a common wall from outlet to outlet. Do not route outlet to adjacent walls. Fixture to fixture wiring is acceptable in hard non-accessible ceilings.
3. Metal clad shall be UL approved connectors and shall be used and installed per Article 334 of the National Electrical Code.

2-7 GROUNDING AND BONDING:

Provide electrical service, equipment and wiring device grounding as shown, scheduled and as specified.

The types of grounding include, but are 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. A grounding conductor is required for all feeders and circuits.

Provide grounding products manufactured by Copperweld and Cadweld.

Ground rods shall be 3/4" inch diameter by 10 feet long construction with copper jacket and a steel core. Ground clamps shall be copper except for steel or iron pipes in which the clamps shall be galvanized iron. Conductors shall be connected by means of an approved pressure connector or clamp.

Perform a ground resistance test using a biddle megger. The system resistance shall not exceed 5 OHMS. Provide additional electrodes as required (refer to 250-84 of the NEC). Test shall not be conducted following wet weather. Provide personnel and instruments to conduct these tests and submit certified test for review.

A. BUILDING STEEL AND PIPING SYSTEM: Install a bonding jumper between building steel and metallic piping systems to bond them to the electrical grounding system.

B. 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.

C. 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.

D. MOTORS: The frame of all motors shall grounded.

E. SPECIAL LIGHTING: Provide a #6 AWG copper grounding conductor for each telephone board, television system, MDF rooms, IDF rooms etc. Terminate the grounding conductor on ground bus and to the building electrical grounding system. Refer to article 800 and 820 of the NEC.

F. LIGHTING FIXTURES: Provide grounding conductor in all flexible whips, whips shall not exceed 6 feet.

G. RECEPTACLES: All receptacle shall be grounded. Receptacles shall use an approved grounding yoke.

H. REMOTE PANELBOARDS: Provide a grounding electrode conductor at all remote panels as required by the NEC.

2-10 PANELBOARDS:

Furnish and install power distribution, lighting and appliance 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. Acceptable manufacturers are General Electric Company or Square D Company. Load centers are not acceptable.

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 50°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 plated copper.

Bus structure shall be insulated. 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.

Provide a bare unisolated and/or insulated ground bus and full or double size neutral bus as required and indicated in each panelboard schedule.

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.

Place a neat, carefully typewritten directory card identifying the load served by each branch circuit in the frame on the panel door, under a clear plastic cover. Spares and spaces shall be written with erasable pencil for future use.

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 identify replacement components.

A. Circuit Breakers

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).

FRAME SIZE/ VOLTAGE	CONVENTIONAL INTERRUPTING CAPACITY	HIGH INTERRUPTING CAPACITY	CURRENT LIMITING
100AF/240V	10,000 AIC	65,000 AIC	200,000 AIC
225AF/240V	10,000 AIC	65,000 AIC	200,000 AIC
400AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
600AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
800AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
1000AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
1200AF/240V	42,000 AIC	65,000 AIC	200,000 AIC
100AF/480V	14,000 AIC	25,000 AIC	200,000 AIC
225AF/480V	22,000 AIC	65,000 AIC	200,000 AIC
400AF/480V	30,000 AIC	35,000 AIC	200,000 AIC
600AF/480V	30,000 AIC	65,000 AIC	200,000 AIC
800AF/480V	30,000 AIC	65,000 AIC	200,000 AIC
1000AF/480V	30,000 AIC	65,000 AIC	200,000 AIC
1200AF/480V	50,000 AIC	65,000 AIC	200,000 AIC

3. 240 Volt Lighting and Appliance Panelboard:

All main circuit breakers shall be vertically mounted and shall not be installed in branch breaker spaces. 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. Breakers shall have an over-center, tri-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 240 volts maximum with continuous current rating as noted on the plans. The lugs for terminating conductors shall be rated at 75°C.

Single pole 15 and 20 ampere circuit breakers shall be UL listed as "Switching Breakers" at 120V ac and carry the SWD marking.

UL Class A ground fault circuit protection shall be provided on all receptacle circuits serving wet areas and on all 120V ac branch circuits as specified on the plans or panelboard schedule. This protection shall be an integral part of the branch circuit breaker, which also provides overload, and short circuit protection for branch circuit wiring. Tripping of a branch circuit breaker containing ground fault circuit interruption shall not disturb the feeder circuit to the panelboard. A single pole circuit breaker with integral ground fault circuit interruption shall require no more panelboard branch circuit space than a conventional circuit breaker. Circuit breakers shall be rated 10,000 AIC at 240V unless otherwise noted on plans.

B. Fusible Switches

All fusible switches shall be quick-make, quick-break with visible blades and dual horsepower ratings. Switch handles shall physically indicate "ON" and "OFF" positions. Switches shall be lockable only in the "OFF" position and accept three industrial type heavy duty padlocks. Switch covers and handles shall be interlocked to prevent opening in the "ON" position. A means shall be provided to permit authorized personnel to release the interlock for inspection purposes. Switches shall include positive pressure rejection type fuse clips for use with UL class R fuses and be UL labeled for 200,000 AIC. Class "J" fuses shall be UL labeled for 200,000 AIC. The lugs for terminating conductors shall be rated at 75°C.

C. Cabinets and Fronts

The panelboard bus assembly shall be enclosed in a steel cabinet with multiple knockouts. The rigidity and gauge of steel to be as specified in UL Standard 50 for cabinets. Wiring gutter space shall be in accordance with UL Standard 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 lighting and receptacle panels shall have hinged front covers. The front cover shall have a door with hinges, latch and a lock. The hinged front covers 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. Fronts shall have adjustable indicating trim clamps, which shall be completely concealed when the doors are closed. Doors shall be mounted with completely concealed steel hinges. A circuit directory frame and card with a clear plastic covering shall be provided on the inside of the door. Where required by local code, provide Nema 3R enclosure where installed in a sprinkled area.

D. Safety Barrier

The distribution panelboard interior assembly shall be dead front with panelboard front removed. Main lugs or main breakers shall have barriers on five sides. 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.

E. Integrated Equipment Short Circuit Rating

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 Underwriters Laboratories Standard 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.

2-12 SAFETY AND DISCONNECT SWITCH:

A. Products shall be designed, manufactured, tested and installed in compliance with applicable standards.

1. NEMA KS1 – Enclosed switches
2. Federal specification W-S-863C-Heavy duty switches

Products shall conform all applicable UL standards, including UL98 (standard for safety, enclosed and dead front switches) and shall be UL-labeled.

Acceptable manufacturers are:

General Electric Company, Square D Company, or Eaton.

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.

B. Switch Interior

All switches shall have switchblades, which 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 aluminum cables. All switches blades and contacts shall be plated copper.

C. Switch Mechanism

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".

D. Neutral

Provide a solid neutral with the safety switch where a neutral is present in the circuit.

E. Ratings

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 when required. Adjust load side terminal block as required to accept Class J fuses. UL listed short circuit ratings of the switches, when equipped with Class R or Class J fuses, shall be 200,000 symmetrical amperes.

**CHANIN**  
ENGINEERING, LLC  
400 Nolana, Suite H2  
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PH: (956) 687-9421  
FAX: (956) 687-3211  
www.chaninengineering.com  
TBPE FIRM REG. NUMBER P-9369

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200 SOUTH 10TH STREET  
SUITE 901, McALLEN, TEXAS 78501  
TEL: 956-683-1640

SEAL:  
STATE OF TEXAS  
ROBERTO H. TIERINA  
121946  
LICENSED PROFESSIONAL ENGINEER  
1/7/2022

Mission  
CISD™

General Electric Company, Square D Company, or Eaton.

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PROJECT: MCISD R. CANTU JUNIOR HIGH  
NEW SOCCER/FOOTBALL SCOREBOARD  
5101 N. STEWART RD., MISSION, TEXAS 78572

JOB NO. 21-187

**SUBJECT:** Approval to Accept Substantial Completion for the Canopies and Sidewalks at the Mission High School Special Education 18+ Program – PBK Architects

**PRESENTER:** Ricardo Rivera  
Assistant Superintendent for Operations

**BACKGROUND INFORMATION**

Mission CISD Administration has been working with Mission High school Special Education +18 Program on upgrading their educational facilities. Currently this program is mainly housed at the portable buildings east of the main campus. Currently there are limited canopies and sidewalks where students need to walk to and from class, thus the need for these additions.

If MCISD is to proceed with this project, The Board of Trustees must take the following action in accordance with Education Code 44.035.

Select or designate an engineer or architect to prepare construction documents for the project. The engineer or architect selected or designated will have full responsibility for complying with the Texas Engineering Practice Act (Article 3271a, Vernon's Texas Civil Statutes) or Chapter 478, Acts of the 45th Legislature, Regular Session, 1937 (Article 249a, Vernon's Texas Civil Statutes), as applicable.

The selected architect/engineer along with preparing construction documents will be required to provide MCISD with an estimated project budget.

If the engineer or architect is not a full-time employee of the District, the Board must select the engineer or architect on the basis of demonstrated competence and qualifications as provided by Section 2254.004, Government Code.

At the Regular Board of Trustees meeting held on December 18, 2019 the Board approve the for Request for Qualification (RFQ's) for an engineer or architect for this project.

At the Special Board of Trustees meeting held on January 29, 2020, the Board approved the ranking and selection for professional services for the district-wide construction projects the selected firm awarded to negotiate was PBK Architects.

At the Regular Board of Trustees meeting held on February 12, 2020 the Board approved to grant authority to Superintendent Dr. Perez, to authorize the negotiations the contract for professional services for the district-wide construction projects. The selected firm awarded the project was PBK Architects.

Advertisements in the local newspapers were posted on December 19, 2020 and December 26, 2020. Proposals were publicly opened January 28, 2021. Pre-ranking of the proposals were conducted by Ms. Lorena Garcia, Mr. Ricardo Rivera, Ms. Dora Garcia, Mr. Carlos Lerma, Ms. Rumalda Ruiz and Ms. Daisy Cuevas.

Pre-ranking of proposals by Administration is a district process to pre-check if all requested documents and information in the Request for Proposals (RFP) was submitted. In prior years the Evaluation and Selection Committee conducted the formal evaluation. The pre-ranking of proposals was then unofficial. The Request

for Proposal (RFP) package includes document CSP – 00350 Evaluation and Selection Criteria for Competitive Sealed Proposals which defines this portion of the procurement process. The District Evaluation and Selection Committee is comprised of three (3) Board of Trustees Facilities Committee Members and one (1) appointed Administration Staff. The Evaluation and Selection Committee will evaluate, rank and publish all proposals. The Evaluation and Selection criteria has been approved by the Mission C. I. S. D.'s Board. Once the M. C. I. S. D. Board of Trustees approves the ranking, the District Evaluation and Selection Committee then authorized Administration to negotiate a contract with the highest-ranking Proposer.

However, since the district no longer has a Facilities/Environment Committee and we now use the Board of Trustees Work Shop format Administration presents the option of presenting Consideration and Approval to Accept Administrations Rankings and Enter into Negotiations in the Order of Ranking for the Special Education Titans 18+ Program Sidewalks and Canopy Project.

Two proposals were submitted for this project and were ranked by the Administration Committee. The Board must now consider the rankings and approve to enter into negotiations with the top ranked firms in the order selected. Rankings listed below:

<u>Company</u>	<u>Base Proposal</u>	<u>Days</u>	<u>Total Points</u>
G & G Contractors	\$149,100.00	120	97.0
Peacock Contractors	\$206,500.00	120	86.5
<u>Alternate Proposal</u>			
G &G Contractors	\$136,700.00	180	97.0
Peacock Contractors	\$157,000.00	150	93.2
G & G Contractors	<b><u>Grand Total: \$285,800.00</u></b>		
Peacock Contractors	<b><u>Grand Total: \$363,500.00</u></b>		

**Project Scope Base Proposal:**

Canopy and sidewalk from MHS Building “R” to Cummings Street and sidewalks on east and west side of Titans Center to meet with Special Education Portable buildings behind and front entrance sidewalk to parking lot.

**Alternate:**

Construction of additional canopies to cover base sidewalks.

At the Regular Board Meeting February 10, 2021, the Board approved to negotiate with the top rank vendor, G&G Contractors.

Initial project negotiations were held on February 24, 2021, with Mr. Rene Garza Jr., G & G Construction, Mr. Carlos Lerma and myself. Mr. Garza reviewed his cost proposal for both the base bid and the alternate and he had a deadline of Monday, March 01, 2021 at 12:00 p.m. to submit his best and final offer (BAFO).

Administration submitted G & G Construction (BAFO) we believe it’s in the districts best interest. Administration presented Consideration and Approval to Accept the

Best and Final Offer (BAFO) and to Enter Into Contract for the Special Education Titans 18+ Program Sidewalks and Canopy Project.

The Board of Trustees had the option to accept this BAFO, the initial base proposal and alternate, to decline the offer and direct Administration to enter into negotiations with the next contractor or to reject all offers and re-advertise for the project using the same specifications and design or direct the engineer to re-design the project to meet the approved budget.

<u>Company</u>	<u>Base Proposal</u>	<u>Days</u>	<u>Alternate Proposal</u>
G & G Contractors	\$149,100.00	120	\$136,700.00

Original Price: \$149,100.00 with Alt. \$136,700.00 Grand Total: \$285,800.00

At the Special Board Meeting held on March 03, 2021, the Board approved G & G Construction best and final offer of \$149,100.00 with 120 days. Notice to Proceed was effective April 22, 2021, with substantial completion will be October 19, 2021.

At the Regular Board Meeting held on September 8, 2021, the Board approved some of the following items listed below:

Change Proposal Request #01 for Temporary Covering of Footings for Aluminum Canopy for the Mission High School Special Education 18+ Program.

Contingency Allowance:	\$25,000.00
CPR#01 Temp. covering:	<u>\$ 8,716.88</u>
Contingency Balance:	\$16,283.12

Change Proposal Request #02 to Replace the Aluminum Canopy with a Steel Canopy Structure for the Mission High School Special Education 18+ Program was not recommended by Administration and PBK Architects.

Change Proposal Request #03 to Replace Aluminum Canopies Vendor for the Mission High School Special Education 18+ Program.

Contingency Allowance:	\$25,000.00
CPR#1 Temp. covering:	8,716.88
CPR#03 replace vendor:	<u>\$28,700.00</u>
Contingency Balance:	(\$12,416.88)

Change Order #1 for One Hundred Ninety (190) Delay Days for the Mission High School Special Education 18+ Program was pulled out item.

### **ADMINISTRATIVE CONSIDERATIONS**

As per PBK, the work has been reviewed, inspected and determined to be substantially completed as per contract documents as of December 21, 2021. Thus, PBK and G & G Construction presents Approval to Accept Substantial Completion for the Canopies and Sidewalks at the Mission High School Special Education 18+ Program – PBK Architects. Punchlist items for corrections are being addressed and the contractor has 30 days from substantial completion to complete these items.

**FUNDING SOURCE**

General Fund

**RECOMMENDATION**

This agenda item was presented at the Board of Trustees Workshop on Wednesday, January 12, 2022.

Administration presents approval to accept Substantial Completion for the Canopies and Sidewalks at the Mission High School Special Education 18+ Program – PBK Architects.

**EXHIBIT**

PBK Architects - Substantial Completion Form

**CONTACT PERSONS**

Ricardo Rivera, Assistant Superintendent for Operations

Adrian Hernandez, Coordinator for Project & Energy Management



# AIA® Document G704® – 2017

## Certificate of Substantial Completion

<b>PROJECT:</b> <i>(name and address)</i> Mission CISD Special Education Canopies & Walkways Mission, TX 78572	<b>CONTRACT INFORMATION:</b> Contract For: General Construction Date: March 25, 2021	<b>CERTIFICATE INFORMATION:</b> Certificate Number: 001 Date: January 3, 2022
<b>OWNER:</b> <i>(name and address)</i> Mission Consolidated Independent School District 1201 Bryce Dr. Mission, Texas 78572	<b>ARCHITECT:</b> <i>(name and address)</i> PBK Architects, Inc.  6316 North 10 <sup>th</sup> Street, Bldg A, Suite 1 McAllen, Texas 78504	<b>CONTRACTOR:</b> <i>(name and address)</i> G&G Contractors  711 E. Wisconsin Road Edinburg, Texas 78539

The Work identified below has been reviewed and found, to the Architect's best knowledge, information, and belief, to be substantially complete. Substantial Completion is the stage in the progress of the Work when the Work or designated portion is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended use. The date of Substantial Completion of the Project or portion designated below is the date established by this Certificate.  
*(Identify the Work, or portion thereof, that is substantially complete.)*

<u>PBK Architects, Inc.</u>		David I. Iglesias, Client	
<b>ARCHITECT</b> <i>(Firm Name)</i>	<b>SIGNATURE</b>	<b>PRINTED NAME AND TITLE</b>	<b>DATE OF SUBSTANTIAL COMPLETION</b>
		Executive	December 21, 2021

**WARRANTIES**  
The date of Substantial Completion of the Project or portion designated above is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below:  
*(Identify warranties that do not commence on the date of Substantial Completion, if any, and indicate their date of commencement.)*  
General Contractor, subcontractors and manufactures warranties to commence upon the date of substantial completion as indicated above.

**WORK TO BE COMPLETED OR CORRECTED**  
A list of items to be completed or corrected is attached hereto, or transmitted as agreed upon by the parties, and identified as follows:  
*(Identify the list of Work to be completed or corrected.)*  
Architectural Punch List - 12/20/2021  
Contractor Punch List - 12/17/2021

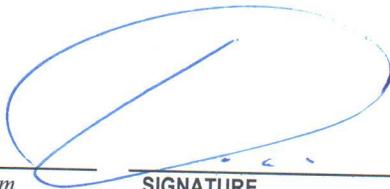
The failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents. Unless otherwise agreed to in writing, the date of commencement of warranties for items on the attached list will be the date of issuance of the final Certificate of Payment or the date of final payment, whichever occurs first. The Contractor will complete or correct the Work on the list of items attached hereto within Thirty (30) days from the above date of Substantial Completion.

Cost estimate of Work to be completed or corrected: \$5,000.00

The responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work, insurance, and other items identified below shall be as follows:  
*(Note: Owner's and Contractor's legal and insurance counsel should review insurance requirements and coverage.)*

The Owner and Contractor hereby accept the responsibilities assigned to them in this Certificate of Substantial Completion:

G&G Contractors  
**CONTRACTOR** (*Firm Name*)



**SIGNATURE**

Rene Garza,  
Superintendent  
**PRINTED NAME AND TITLE**

1/3/2022  
**DATE**

Mission Consolidated  
Independent School District  
**OWNER** (*Firm Name*)

**SIGNATURE**

Dr. Carol G. Perez,  
Superintendent of  
Schools  
**PRINTED NAME AND TITLE**

**DATE**

**SUBJECT:** Approval of Second Reading and Adoption of TASB-Policy Update 118, Affecting Local Policies:  
CFD(LOCAL) ACCOUNTING: ACTIVITY FUNDS MANAGEMENT  
CQB(LOCAL) TECHNOLOGY RESOURCES: CYBERSECURITY  
DFE(LOCAL) TERMINATION OF EMPLOYMENT: RESIGNATION  
DP(LOCAL) PERSONNEL POSITIONS  
EHAA(LOCAL) BASIC INSTRUCTIONAL PROGRAM: REQUIRED INSTRUCTION (ALL LEVELS)  
EHBC(LOCAL) SPECIAL PROGRAMS: COMPENSATORY/ACCELERATED SERVICES  
EIE(LOCAL) ACADEMIC ACHIEVEMENT: RETENTION AND PROMOTION  
FDE(LOCAL) ADMISSIONS: SCHOOL SAFETY TRANSFERS  
FEA(LOCAL) ATTENDANCE: COMPULSORY ATTENDANCE  
FEC(LOCAL) ATTENDANCE: ATTENDANCE FOR CREDIT  
FFG(LOCAL) STUDENT WELFARE: CHILD ABUSE AND NEGLECT  
FL(LOCAL) STUDENT RECORDS

**PRESENTER:** Lorena Garcia, Deputy Superintendent for Support Services

### **BACKGROUND INFORMATION**

As a part of our TASB Policy Service, the District gets localized policy updates throughout the year that are generally based upon changes in law, case rulings, or TEA rulings. Update 118 address changes in law based upon the most recent state legislative sessions. The (LOCAL) policies included for consideration here, have been reviewed by administration and the district's legal counsel.

### **ADMINISTRATIVE CONSIDERATIONS**

Items included for presentation reflect appropriate changes to drafts sent by TASB based upon input from legal counsel and administration. Administrative practice has been to provide the policy review as a part of the Board Workshop with a request that the agenda item be approved for inclusion on the consent agenda for the regular board meeting. These items were initially reviewed during workshops in December. Additional edits recommended by legal counsel were reviewed during the Regular Board of Trustees Meeting in December. Items presented here are for adoption.

### **FUNDING SOURCE AND AMOUNT**

N/A

**RECOMMENDATION**

Approval of Second Reading and Adoption of TASB-Policy Update 118, affecting local policies:

CFD(LOCAL) ACCOUNTING: ACTIVITY FUNDS MANAGEMENT

CQB(LOCAL) TECHNOLOGY RESOURCES: CYBERSECURITY

DFE(LOCAL) TERMINATION OF EMPLOYMENT: RESIGNATION

DP(LOCAL) PERSONNEL POSITIONS

EHAA(LOCAL) BASIC INSTRUCTIONAL PROGRAM: REQUIRED INSTRUCTION (ALL LEVELS)

EHBC(LOCAL) SPECIAL PROGRAMS:

COMPENSATORY/ACCELERATED SERVICES

EIE(LOCAL) ACADEMIC ACHIEVEMENT: RETENTION AND PROMOTION

FDE(LOCAL) ADMISSIONS: SCHOOL SAFETY TRANSFERS

FEA(LOCAL) ATTENDANCE: COMPULSORY ATTENDANCE

FEC(LOCAL) ATTENDANCE: ATTENDANCE FOR CREDIT

FFG(LOCAL) STUDENT WELFARE: CHILD ABUSE AND NEGLECT

FL(LOCAL) STUDENT RECORDS

**CONTACT PERSON (S)**

Lorena Garcia, Deputy Superintendent for Support Services

Craig Verley, Director of Public Relations and Marketing

David Hansen, Legal Counsel

**Fiduciary  
Responsibility**

The Superintendent, principal, and sponsor, as applicable, shall be responsible for the proper administration of District and campus activity funds and student activity funds in accordance with state law and local policy, District accounting practices and procedures, and the Texas Education Agency (TEA) *Financial Accountability System Resource Guide*.

**Student Activity  
Funds**

The Superintendent shall ensure that student activity accounts are maintained to manage all class funds and other funds raised and collected by student clubs or organizations for a school-related purpose. The principal or designee shall issue receipts for all funds prior to their deposit into the appropriate District account at the District depository.

Student activity funds shall be included in the annual audit of the District's fiscal accounts. [See CFC]

**Use and  
Expenditure**

Funds collected by student groups shall be used only for purposes authorized by the student club or organization. The principal and sponsor shall manage and approve all disbursements. All funds raised by student organizations must be expended for the benefit of the students.

**District and Campus  
Activity Funds**

The Superintendent shall ensure District accounting practices and procedures address the expenditure of District and campus activity funds generated from vending machines, rentals, gate receipts, concessions, and other local sources of revenue over which the District has direct control. Funds generated from such sources shall be expended for the benefit of the District or its students and shall be related to the District's educational purpose, which includes retaining qualified employees and enhancing employee morale.

**Approval**

Approval from the immediate supervisor or designee shall be obtained prior to a disbursement being made to any employee, including the principal.

**Carryover Funds**

All funds shall be left in the appropriate account and each sponsoring group shall retain the carryover funds for the next fiscal year. If a club or organization ceases to function or exist, the unexpended funds shall be credited to the appropriate administrative activity account.

- 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
- 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, the District shall disclose the breach 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 involving sensitive, protected, or confidential student information as required by law.

TERMINATION OF EMPLOYMENT  
RESIGNATION

DFE  
(LOCAL)

**General  
Requirements**

All resignations shall be submitted in writing to the Superintendent. The employee shall give reasonable notice and shall include in the letter a statement of the reasons for resigning. A prepaid certified or registered letter of resignation shall be considered submitted upon mailing.

**At-Will Employees**

The Superintendent shall be authorized to accept the resignation of an at-will employee at any time. The Superintendent may delegate to other administrators the authority to accept a resignation of an at-will employee.

**Contract Employees**

The Superintendent shall be authorized to receive a contract employee's resignation effective at the end of the school year or submitted after the last day of the school year and before the penalty-free resignation date. The resignation requires no further action by the District and is accepted upon receipt by the Superintendent or other person designated by Board action.

The Superintendent shall be authorized to accept a contract employee's resignation submitted or effective at any other time. shall either accept the resignation or submit the matter to the Board in order to pursue sanctions allowed by law.

Withdrawal of  
Resignation

Once submitted and accepted, the resignation of a contract employee may not be withdrawn without consent of the Board.

PERSONNEL POSITIONS

DP  
(LOCAL)

**Principal  
Qualifications**

In addition to the minimal certification requirement, a principal shall have at least:

1. Working knowledge of curriculum and instruction;
2. The ability to evaluate instructional program and teaching effectiveness;
3. The ability to manage budgets and personnel and to coordinate campus functions;
4. The ability to explain policy, procedures, and data;
5. Strong communications, public relations, and interpersonal skills;
6. Prior experience in instructional leadership roles; and
7. Other qualifications deemed necessary by the Board and included in the job description.

**School Counselors**

In accordance with law, a school counselor shall spend 80 percent of the counselor's work time on duties that are components of a comprehensive school counseling program (CSCP). [See FFEA]

If the Board approves a determination by the administration that due to District or campus staffing needs or other reasons a school counselor is prevented from spending 80 percent of the counselor's work time on duties that are components of a CSCP, the Superintendent shall develop a revised job description for the school counselor that addresses the percentage of the school counselor's time that shall be spent on duties related to the components of a CSCP and the duties the school counselor is expected to perform in the remaining work time. The Superintendent shall report to the Board regarding adjustments to a school counselor's duties under this provision.

**Human Sexuality  
Instruction**

The following process shall apply regarding the adoption of curriculum materials for the district's human sexuality instruction:

1. The Board shall adopt a resolution convening the District's school health advisory council (SHAC) to recommend curriculum materials for the instruction.
2. The SHAC shall hold at least two public meetings on the curriculum materials before adopting recommendations to present to the Board.
3. The SHAC recommendations must comply with the instructional content requirements in law, be suitable for the subject and grade level for which the materials are intended, and be reviewed by academic experts in the subject and grade level for which the materials are intended.
4. The SHAC shall present its recommendations to the Board at a public meeting.
5. After the Board ensures the recommendations from the SHAC meet the standards in law, the Board shall take action on the recommendations by a record vote at a public meeting.

SPECIAL PROGRAMS  
COMPENSATORY/ACCELERATED SERVICES

EHBC  
(LOCAL)

Each student who has been identified as being at risk of dropping out of school, who is not performing at grade level, or who did not perform satisfactorily on a state-mandated assessment shall be provided accelerated and/or compensatory educational services.

**Accelerated  
Instruction**

The District shall provide accelerated instruction in accordance with law if a student fails to perform satisfactorily on a state-mandated assessment.

**Accelerated  
Learning Committee**

When a student fails to perform satisfactorily on a math or reading state-mandated assessment in grades 3, 5, or 8, an accelerated learning committee shall develop a written educational plan in accordance with law. If a parent requests that the student be assigned to a particular teacher the following school year, the request shall be addressed in accordance with the District's administrative procedures.

A parent complaint about the content or implementation of the educational plan shall be filed in accordance with FNG.

<b>Curriculum Mastery</b>	Promotion, grade-level advancement, and course credit shall be based on mastery of the curriculum. Expectations and standards for promotion shall be established for each grade level, content area, and course and shall be coordinated with compensatory, intensive, and/or accelerated services. [See EHBC] The District shall comply with applicable state and federal requirements when determining methods for students with disabilities [see FB] or students who are English language learners [see EHBE and EKBA] to demonstrate mastery of the curriculum.
Students Receiving Special Education Services	Any modified promotion standards for a student receiving special education services shall be determined by the student's admission, review, and dismissal (ARD) committee and documented in the student's individualized education program (IEP). [See EHBA series and EKB]
<b>Standards for Mastery</b>	In addition to the factors in law that must be considered for promotion, mastery shall be determined as follows: <ol style="list-style-type: none"><li>1. Course assignments and unit evaluation shall be used to determine student grades in a subject. An average of 70 or higher shall be considered a passing grade.</li><li>2. Mastery of the skills necessary for success at the next level shall be validated by assessments that may either be incorporated into unit or final exams or may be administered separately. Mastery of at least 70 percent of the objectives shall be required.</li></ol>
Kindergarten	In kindergarten, promotion to the next grade level shall be based on the student meeting grade-level standards (essential knowledge and skills) in the core areas of language arts, mathematics, science, and social studies as measured by attainment of an overall core subject average of Satisfactory (S) or better, with a letter grade of at least an S in language arts.
Grades 1–5	In grades 1–5, promotion to the next grade level shall be based on an overall average of 70 on a scale of 100 based on course-level, grade-level standards (essential knowledge and skills) for all subject areas and a grade of 70 or above in language arts and mathematics.
Grades 6–8	In grades 6–8, promotion to the next grade level shall be based on an overall average of 70 on a scale of 100 based on course-level, grade-level standards (essential knowledge and skills) for all subject areas and a grade of 70 or above in four of the following areas: reading, writing, mathematics, science, and social studies.
Grades 9–12	Grade-level advancement for students in grades 9–12 shall be earned by course credits.

**Safe Schools Data**

The Superintendent shall ensure that the District complies with Texas Education Agency (TEA) guidelines for the collection and maintenance of data regarding:

1. Mandatory expellable offenses committed at school or at a school-related or school-sponsored activity, on or off school property [see FOD]; and
2. Any student who becomes a victim of one of the following violent criminal offenses, as defined by the Penal Code, while on the premises of the school the student attends or while attending a school-sponsored or school-related activity, on or off school property:
  - a. Attempted murder;
  - b. Indecency with a child;
  - c. Aggravated kidnapping;
  - d. Aggravated assault on someone other than a District employee or volunteer;
  - e. Sexual assault or aggravated sexual assault against someone other than a District employee or volunteer;
  - f. Aggravated robbery; or
  - g. Continuous sexual abuse of a young child or disabled individual.

**School Safety Transfers**

The parent of a student who becomes a victim of a violent criminal offense as described in the state guidance for unsafe school choice options or who is assigned to a campus identified by TEA as persistently dangerous shall be offered a transfer to a safe public or charter school within the District.

For each transfer requested, the District shall explore transfer options, as appropriate. Options may include a transfer agreement with another school district.

**From a Persistently Dangerous School**

The parent of a student attending a school identified as persistently dangerous shall be provided notification of his or her right to request a transfer. Notification shall occur at least 14 days prior to the start of the school year or, for a student enrolling subsequently, upon the student's enrollment.

The parent must submit to the Superintendent an application for transfer. The Superintendent shall complete the transfer prior to the beginning of the school year, if applicable, or within 14 calendar days of the request for a subsequently enrolling student.

Any transfer arranged for a student from a campus identified by TEA as persistently dangerous shall be renewed so long as the campus from which the student transferred retains that designation.

The District shall maintain, in accordance with the District's record retention schedule, documentation of notification to parents of the transfer option, transfer applications submitted, and action taken.

For a Victim of a  
Violent Criminal  
Offense

Within 14 calendar days after a violent criminal offense described above occurs in or on the premises of the school the student attends or while attending a school-sponsored or school-related activity, on or off school property, the District shall notify the parent of a student who is a victim of the offense of the parent's right to request a transfer. The parent must submit to the Superintendent an application for transfer. The Superintendent shall approve or disapprove the request within 14 calendar days of its submission.

Any transfer arranged for a student who was a victim of a violent crime as described above shall be renewed so long as the threat to the student exists at the campus to which the student would typically be assigned.

For each offense, the District shall maintain for at least five years documentation of the nature and date of the offense, notification to the parent of the transfer option, transfer applications submitted, action taken, and other relevant information regarding the offense.

**Additional Transfer  
Options**

In circumstances described by Education Code 25.0341, a parent of a student who has been the victim of a sexual assault, regardless of whether the offense occurred on or off school property, may request a transfer of the parent's child or the student assailant from the same campus.

[For other transfer provisions, see also FDA and FDB.]

Students in violation of the compulsory attendance law shall be reported to the District attendance officer, who may institute court action as provided by law.

**Excused Absences**

In addition to excused absences required by law, the District shall excuse absences for the following purposes. A student shall be required to submit verification of these absences in accordance with administrative regulations.

Higher Education Visits

The District shall excuse a student for up to two days during the student's junior year and up to two days during the student's senior year to visit an accredited institution of higher education.

Armed Services Enlistment

The District shall excuse a student 17 years of age or older for up to four days during his or her enrollment in high school for activities related to pursuing enlistment in a branch of the U.S. Armed Services or Texas National Guard.

Early Voting or Election Clerk

The District shall excuse a student for up to two days per school year to serve as an early voting or election clerk.

Learner or Driver's License

The District shall excuse a student 15 years of age or older for one day during his or her enrollment in high school for each of the following:

- Visiting a driver's license office to obtain a learner license; or
- Visiting a driver's license office to obtain a driver's license.

[For extracurricular activity absences, see FM.]

**Withdrawal for Nonattendance**

The District may initiate withdrawal of a student under the age of 19 for nonattendance under the following conditions:

1. The student has been absent ten consecutive school days; and
2. Repeated efforts by the attendance officer and/or principal to locate the student have been unsuccessful.

[For District-initiated withdrawal of students 19 or older, see FEA(LEGAL).]

**Students Attending Homeschools**

Students who are homeschooled are exempt from the compulsory attendance law to the same extent as students enrolled in other private schools.

Adequate documentation of homeschooling for withdrawal shall consist of either a statement of withdrawal in accordance with FD(LOCAL) indicating the date homeschooling began, or a signed and dated letter from a parent or guardian indicating that his or her

ATTENDANCE  
COMPULSORY ATTENDANCE

FEA  
(LOCAL)

child is being homeschooled and the date the homeschooling began.

The District may request from a parent or guardian a letter of assurance that a child is being educated using a curriculum designed to meet basic education goals of reading, spelling, grammar, mathematics, and a study of good citizenship.

Enforcing  
Compulsory  
Attendance

If a parent or guardian refuses to submit a requested statement or letter, or if the District has evidence that a school-aged child is not being homeschooled within legal requirements, the District may investigate further and, if warranted, shall pursue legal action to enforce the compulsory attendance law.

This policy shall apply to a student who has not been in attendance for 90 percent of the days the class is offered.

**Absences  
Considered**

Except as otherwise provided by law, all absences incurred while enrolled in the District shall be considered in determining whether a student has attended the required percentage of days under this policy.

**Attendance  
Committees**

The Board shall establish an attendance committee or as many committees as necessary for efficient implementation of Education Code 25.092.

The Superintendent shall make the specific appointments in accordance with legal requirements.

**Parental Notice of  
Excessive Absences**

A student and the student's parent or guardian shall be given written notice prior to and at such time when a student's attendance in any class drops below 90 percent of the days the class is offered.

**Methods for  
Regaining Credit or  
Awarding a Final  
Grade**

When a student's attendance drops below 90 percent but remains at least at 75 percent of the days the class is offered, the student may earn credit for the class or a final grade by completing a plan approved by the principal. This plan must provide for the student to meet the instructional requirements of the class as determined by the principal.

If the student fails to successfully complete the plan, or when a student's attendance drops below 75 percent of the days the class is offered, the student, parent, or representative may request award of credit or a final grade by submitting a written petition to the appropriate attendance committee.

Petitions for credit or a final grade may be filed at any time the student receives notice but, in any event, no later than 30 days after the last day of classes.

The attendance committee shall review the student's entire attendance record and the reasons for absences and shall determine whether to award credit or a final grade. The attendance committee may also, whether a petition is filed or not, review the records of all students whose attendance drops below 90 percent of the days the class is offered.

A student who has lost credit or has not received a final grade because of excessive absences may regain credit or be awarded a final grade by fulfilling the requirements established by the attendance committee.

**Personal Illness**

The principal or attendance committee may require verification from a health-care provider in accordance with administrative regulations as a condition of classifying an absence for personal illness as one for which there are extenuating circumstances.

**Best Interest Standard**

In reaching consensus regarding a student's absences and how the student can be awarded credit or a final grade, the attendance committee shall attempt to ensure that its decision is in the best interest of the student. The Superintendent shall develop administrative regulations to document the attendance committee's decision.

**Guidelines on Extenuating Circumstances**

The attendance committee shall consider whether a student has mastered the essential knowledge and skills and maintained passing grades in the course or subject.

When makeup work is completed satisfactorily, the attendance committee shall consider extracurricular absences and other excused absences as days of attendance for award of credit or a final grade. [See FEA]

The attendance committee shall consider whether the reasons for the absences were out of the parent's or student's control and whether documentation for the absence is acceptable.

The student or parent shall be given an opportunity to present any information to the committee about the absences and to discuss ways to earn or regain credit or be awarded a final grade.

**Imposing Conditions for Awarding Credit or a Final Grade**

The attendance committee shall consider the student's unique circumstances and, if necessary, shall impose conditions for awarding credit or a final grade that permit the student to meet the instructional requirements of the class rather than assigning a student to attend a specified program for an amount of time equivalent to the student's absences. Conditions may include:

1. Maintaining attendance standards for the rest of the semester.
2. Completing additional assignments, as specified by the committee or teacher.
3. Attending tutorial sessions as scheduled.
4. Completing other instructional programs, as specified by the committee.
5. Taking an examination to earn credit. [See EHDB]

In all cases, the student must earn a passing grade in order to receive credit.

Mission CISD  
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ATTENDANCE  
ATTENDANCE FOR CREDIT

FEC  
(LOCAL)

**Appeal Process**

A parent or student may appeal the decision of the attendance committee in accordance with FNG(LOCAL).

**Program to Address  
Child Sexual Abuse,  
Trafficking, and  
Maltreatment**

The District's program to address child sexual abuse, trafficking, and other maltreatment of children, as included in the District improvement plan and the student handbook, shall include:

1. Methods for increasing staff, student, and parent awareness regarding these issues, including prevention techniques and knowledge of likely warning signs indicating that a child may be a victim;
2. Age-appropriate, research-based antivictimization programs for students;
3. Actions that a child who is a victim should take to obtain assistance and intervention; and
4. Available counseling options for affected students.

Training

The District shall provide training to employees as required by law and District policy. Training shall address techniques to prevent and recognize sexual abuse, trafficking, and all other maltreatment of children, including children with significant cognitive disabilities. [See DMA]

[See BBD for Board member training requirements and BJCB for Superintendent continuing education requirements.]

**Reporting Child  
Abuse and Neglect**

Any person who has reasonable cause to believe that a child's physical or mental health or welfare has been adversely affected by abuse or neglect has a legal responsibility, under state law, to immediately report the suspected abuse or neglect to an appropriate authority.

As defined in state law, child abuse and neglect include both sex and labor trafficking of a child.

The following individuals have an additional legal obligation to submit a written or oral report within 48 hours of learning of the facts giving rise to the suspicion of abuse or neglect:

1. Any District employee, agent, or contractor who suspects a child's physical or mental health or welfare has been adversely affected by abuse or neglect.
2. A professional who has reasonable cause to believe that a child has been or may be abused or neglected or may have been a victim of indecency with a child. A professional is anyone licensed or certified by the state who has direct contact with children in the normal course of duties for which the individual is licensed or certified.

A person is required to make a report if the person has reasonable cause to believe that an adult was a victim of abuse or neglect as a child and the person determines in good faith that disclosure of the information is necessary to protect the health and safety of another child or an elderly or disabled person.

[For parental notification requirements regarding an allegation of educator misconduct with a student, see FFF.]

### **Restrictions on Reporting**

In accordance with law, an employee is prohibited from using or threatening to use a parent's refusal to consent to administration of a psychotropic drug or to any other psychiatric or psychological testing or treatment of a child as the sole basis for making a report of neglect, unless the employee has cause to believe that the refusal:

1. Presents a substantial risk of death, disfigurement, or bodily injury to the child; or
2. Has resulted in an observable and material impairment to the growth, development, or functioning of the child.

### **Making a Report**

Reports may be made to any of the following:

1. A state or local law enforcement agency;
2. The Child Protective Services (CPS) division of the Texas Department of Family and Protective Services (DFPS) at (800) 252-5400 or the [Texas Abuse Hotline Website](#)<sup>1</sup>;
3. A local CPS office; or
4. If applicable, the state agency operating, licensing, certifying, or registering the facility in which the suspected abuse or neglect occurred.

However, if the suspected abuse or neglect involves a person responsible for the care, custody, or welfare of the child, the report must be made to DFPS, unless the report is to the state agency that operates, licenses, certifies, or registers the facility where the suspected abuse or neglect took place; or the report is to the Texas Juvenile Justice Department as a report of suspected abuse or neglect in a juvenile justice program or facility. As defined by law, a person responsible for the care, custody, or welfare of a child includes school personnel and volunteers and day-care workers. [See FFG(LEGAL)]

An individual does not fulfill his or her responsibilities under the law by only reporting suspicion of abuse or neglect to a campus principal, school counselor, or another District staff member. Furthermore, the District is prohibited from requiring an employee

to first report his or her suspicion to a District or campus administrator.

**Confidentiality**

In accordance with state law, the identity of a person making a report of suspected child abuse or neglect shall be kept confidential and disclosed only in accordance with the rules of the investigating agency.

**Immunity**

A person who in good faith reports or assists in the investigation of a report of child abuse or neglect is immune from civil or criminal liability.

**Failing to Report Suspected Child Abuse or Neglect**

By failing to report suspicion of child abuse or neglect, an employee:

1. May be placing a child at risk of continued abuse or neglect;
2. Violates the law and may be subject to legal penalties, including criminal sanctions for knowingly failing to make a required report;
3. Violates Board policy and may be subject to disciplinary action, including possible termination of employment; and
4. May have his or her certification from the State Board for Educator Certification suspended, revoked, or canceled in accordance with 19 Administrative Code Chapter 249.

It is a criminal offense to coerce someone into suppressing or failing to report child abuse or neglect.

**Responsibilities Regarding Investigations**

In accordance with law, District officials shall be prohibited from:

1. Denying an investigator's request to interview a child at school in connection with an investigation of child abuse or neglect;
2. Requiring that a parent or school employee be present during the interview; or
3. Coercing someone into suppressing or failing to report child abuse or neglect.

District personnel shall cooperate fully and without parental consent, if necessary, with an investigation of reported child abuse or neglect. [See GKA]

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<sup>1</sup> Texas Abuse Hotline Website: <http://www.txabusehotline.org>

**Comprehensive System**

The Superintendent shall develop and maintain a comprehensive system of student records and reports dealing with all facets of the school program operation and shall ensure through reasonable procedures that records are accessed by authorized persons only, as allowed by this policy. These data and records shall be stored in a safe and secure manner and shall be conveniently retrievable for use by authorized school officials.

**Cumulative Record**

A cumulative record shall be maintained for each student from entrance into District schools until withdrawal or graduation from the District.

This record shall move with the student from school to school and be maintained at the school where currently enrolled until graduation or withdrawal. Records for nonenrolled students shall be retained for the period of time required by law. No permanent records may be destroyed without explicit permission from the Superintendent. [See CPC]

**Custodian of Records**

The records management officer is custodian of all records for currently enrolled students. The records management officer is the custodian of records for students who have withdrawn or graduated. The student handbook made available to all students and parents shall contain a listing of the addresses of District schools, as well as the Superintendent's business address.

**Types of Education Records**

The record custodian shall be responsible for the education records of the District. These records may include:

1. Admissions data, personal and family data, including certification of date of birth.
2. Standardized test data, including intelligence, aptitude, interest, personality, and social adjustment ratings.
3. All achievement records, as determined by tests, recorded grades, and teacher evaluations.
4. All documentation regarding a student's testing history and any accelerated instruction he or she has received, including any documentation of discussion or action by an accelerated learning committee convened for the student.
5. Health services record, including:
  - a. The results of any tuberculin tests required by the District.
  - b. The findings of screening or health appraisal programs the District conducts or provides. [See FFAA]

- c. Immunization records. [See FFAB]
6. Attendance records.
7. Student questionnaires.
8. Records of teacher, school counselor, or administrative conferences with the student or pertaining to the student.
9. Verified reports of serious or recurrent behavior patterns.
10. Copies of correspondence with parents and others concerned with the student.
11. Records transferred from other districts in which the student was enrolled.
12. Records pertaining to participation in extracurricular activities.
13. Information relating to student participation in special programs.
14. Records of fees assessed and paid.
15. Records pertaining to student and parent complaints.
16. Other records that may contribute to an understanding of the student.

**Access by Parents**

The District shall make a student's records available to the student's parents, as permitted by law. The records custodian or designee shall use reasonable procedures to verify the requester's identity before disclosing student records containing personally identifiable information.

Records may be reviewed in person during regular school hours without charge upon written request to the records custodian. For in-person viewing, the records custodian or designee shall be available to explain the record and to answer questions. The confidential nature of the student's records shall be maintained at all times, and records to be viewed shall be restricted to use only in the Superintendent's, principal's, or school counselor's office, or other restricted area designated by the records custodian. The original copy of the record or any document contained in the cumulative record shall not be removed from the school.

Copies of records are available at a per copy cost, payable in advance. Copies of records must be requested in writing. Parents may be denied copies of records if they fail to follow proper procedures or pay the copying charge. If the student qualifies for free or reduced-price lunches and the parents are unable to view

the records during regular school hours, upon written request of a parent, one copy of the record shall be provided at no charge.

A parent may continue to have access to his or her child's records under specific circumstances after the student has attained 18 years of age or is attending an institution of postsecondary education. [See FL(LEGAL)]

**Access by School Officials**

A school official shall be allowed access to student records if he or she has a legitimate educational interest in the records.

For the purposes of this policy, "school officials" shall include:

1. An employee, Board member, or agent of the District, including an attorney, a consultant, a contractor, a volunteer, a school resource officer, and any outside service provider used by the District to perform institutional services.
2. An employee of a cooperative of which the District is a member or of a facility with which the District contracts for placement of students with disabilities.
3. A contractor retained by a cooperative of which the District is a member or by a facility with which the District contracts for placement of students with disabilities.
4. A parent or student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.
5. A person appointed to serve on a team to support the District's safe and supportive school program.

All contractors provided with student records shall follow the same rules as employees concerning privacy of the records and shall return the records upon completion of the assignment.

A school official has a "legitimate educational interest" in a student's records when he or she is:

1. Working with the student;
2. Considering disciplinary or academic actions, the student's case, or an individualized education program for a student with disabilities;
3. Compiling statistical data;
4. Reviewing an education record to fulfill the official's professional responsibility; or
5. Investigating or evaluating programs.

STUDENT RECORDS

FL  
(LOCAL)

**Transcripts and  
Transfers of Records**

The District may request transcripts from previously attended schools for students transferring into District schools; however, the ultimate responsibility for obtaining transcripts from sending schools rests with the parent or student, if 18 or older.

For purposes of a student's enrollment or transfer, the District shall promptly forward in accordance with the timeline provided in law education records upon request to officials of other schools or school systems in which the student intends to enroll or enrolls. [See FD(LEGAL), Required Documentation] The District may return an education record to the school identified as the source of the record.

**Records  
Responsibility for  
Students in Special  
Education**

The special education director shall be responsible for ensuring the confidentiality of any personally identifiable information in records of students in special education.

A current listing of names and positions of persons who have access to records of students in special education is maintained at the office of the special education director.

**Procedure to Amend  
Records**

Within 15 District business days of the record custodian's receipt of a request to amend records, the District shall notify the parents in writing of its decision on the request and, if the request is denied, of their right to a hearing. If a hearing is requested, it shall be held within ten District business days after the request is received.

Parents shall be notified in advance of the date, time, and place of the hearing. An administrator who is not responsible for the contested records and who does not have a direct interest in the outcome of the hearing shall conduct the hearing. The parents shall be given a full and fair opportunity to present evidence and, at their own expense, may be assisted or represented at the hearing.

The parents shall be notified of the decision in writing within ten District business days of the hearing. The decision shall be based solely on the evidence presented at the hearing and shall include a summary of the evidence and reasons for the decision. If the decision is to deny the request, the parents shall be informed that they have 30 District business days within which to exercise their right to place in the record a statement commenting on the contested information and/or stating any reason for disagreeing with the District's decision.

**Directory  
Information**

Directory information for District students has been classified into two separate categories:

1. Items for use only for school-sponsored purposes; and
2. Items for all other purposes.

STUDENT RECORDS

FL  
(LOCAL)

School-Sponsored  
Purposes

For the following school-sponsored purposes—participation in school-sponsored activities and events; participation in a telemedicine or health and wellness-related program officially authorized by the District; publication in a student directory; a student yearbook; or official school publications, including the District's website and programs for school-sponsored events, news coverage, and the like—directory information shall include student name; address; telephone listing; electronic mail address; photograph; date and place of birth; major field of study; degrees, honors, and awards received; dates of attendance; grade level; most recent educational institution attended; participation in officially recognized activities and sports; and weight and height of members of athletic teams.

All Other Purposes

For all other purposes, directory information shall include student name and grade level.

**+SUBJECT:** Approval of Order of General Election for May 7, 2022, Mission CISD Board of Trustees Election

**PRESENTER:** Joel Garcia, Assistant Superintendent for Finance

### **BACKGROUND INFORMATION**

Section 3.004 of the Texas Election Code requires the Board of Trustees of an independent school district to order all regular elections for trustees and give notice thereof as specified in Section 4.003 of the Texas Election Code and Section 41.001 of the Texas Election Code requires that election for trustees in independent school districts shall be held a uniform election date as provided by law.

Saturday, May 7, 2022 is a uniform election date as provided by law and the Board of Trustees of Mission CISD has previously adopted the May uniform election date as the date of the election for trustees for Mission CISD.

### **ADMINISTRATIVE CONSIDERATIONS**

Presented for consideration is the Mission CISD Order of General Election ordering a Trustee election. The Ordinance defines the parameters for the elections and includes the polling times and places during the early voting and election day.

The Ordinance calls for Trustee elections for positions 1, 6 and 7 to serve for terms of four years each position.

In order to ensure that the May 7, 2022 Board of Trustees Election is in compliance with the Texas Election Code the Order of General Election must be approved on or before Friday, February 18, 2022.

### **FUNDING SOURCE AND AMOUNT:**

Not Applicable

### **RECOMMENDATION:**

Approval of Order of General Election for May 7, 2022, Mission CISD Board of Trustees Election

### **CONTACT PERSON (S)**

Joel Garcia, Assistant Superintendent for Finance  
Sylvia Cruz, Director for Payroll, Employee Benefits and Risk Management

**ORDER OF GENERAL ELECTION FOR OTHER POLITICAL SUBDIVISIONS  
 ORDEN DE ELECCIÓN GENERAL PARA OTRAS SUBDIVISIONES POLÍTICAS**

An election is hereby ordered to be held on \_\_\_\_/\_\_\_\_/\_\_\_\_ for the purpose of voting on:  
 (date)

*(Por la presente se ordena celebrar una elección el \_\_\_\_/\_\_\_\_/\_\_\_\_ con el propósito de votar sobre.)*  
 (fecha)

List Offices/Propositions/Measures on the ballot *(Enúmere los puestos/proposiciones/medidas oficiales en la boleta)*


Early voting by personal appearance will be conducted each weekday at:  
*(La votación adelantada en persona se llevará a cabo de lunes a viernes en:)*

The Main Early Voting Location *(sitio principal de votación adelantada)*

Location *(sitio)* Hours *(horas)*

--	--

Branch Early Voting Locations *(sucursal sitios de votación adelantada)*

Location *(sitio)* Hours *(horas)*


Early voting by personal appearance will be conducted each weekend at:  
*(La votación adelantada en persona se llevará a cabo en el fin de semana en:)*

The Main Early Voting Location *(sitio principal de votación adelantada)*

Location *(sitio)* Hours *(horas)*

--	--

Branch Early Voting Locations *(sucursal sitios de votación adelantada)*

Location *(sitio)* Hours *(horas)*


\_\_\_\_\_  
Name of Early Voting Clerk  
(Nombre del Secretario/a de la Votación Adelantada)

\_\_\_\_\_  
Address (Dirección)

\_\_\_\_\_  
City (Ciudad)                      Zip Code (Código Postal)

\_\_\_\_\_  
Telephone Number (Número de teléfono)

\_\_\_\_\_  
Email Address (Dirección de Correo Electrónico)

\_\_\_\_\_  
Early Voting Clerk's Website (Sitio web del Secretario/a de Votación Adelantada)

Applications for Ballots by Mail (ABBM)s must be received no later than the close of business on:  
(Las solicitudes para boletas que se votarán adelantada por correo deberán recibirse no más tardar de las horas de negocio el:)

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_.  
(date)(fecha)

Federal Post Card Applications (FPCAs) must be received no later than the close of business on:  
(La Tarjeta Federal Postal de Solicitud deberán recibirse no más tardar de las horas de negocio el:)

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_.  
(date)(fecha)

Issued this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.  
(day) (month) (year)

(Emitida este día \_\_\_\_\_ de \_\_\_\_\_, 20 \_\_\_\_\_.)  
(día) (mes) (año)

Mr. Gerardo Zamora

\_\_\_\_\_  
Signature of Presiding Officer (Firma del Dirigente que Preside)

Mr. Roy Vela

\_\_\_\_\_  
Signature of Board Member  
(Firma del Director)

Mr. Juan Gonzalez

\_\_\_\_\_  
Signature of Board Member  
(Firma del Director)

Mrs. Veronica Mendoza

\_\_\_\_\_  
Signature of Board Member  
(Firma del Director)

Mrs. Petra Ramirez

\_\_\_\_\_  
Signature of Board Member  
(Firma del Director)

Mrs. Minnie Rodgers

\_\_\_\_\_  
Signature of Board Member  
(Firma del Director)

Mrs. Iris Iglesias

\_\_\_\_\_  
Signature of Board Member  
(Firma del Director)

**Instruction Note: A copy of this election order must be delivered to the County Clerk/Elections Administrator and Voter Registrar not later than 60 days before election day.**

*Nota de Instrucción: Se deberá entregar una copia de esta orden de elección al/a la Secretario(a) del Condado/Administrador(a) de Elecciones y el/la Registrador(a) de Votantes a más tardar 60 días antes del día de elección.*

**SUBJECT:** Approval of Donations for the Month of December 2021

**PRESENTER:** Joel Garcia, Assistant Superintendent for Finance

**BACKGROUND INFORMATION**

In accordance with Board Policy CDC (Legal), all bequest of property for the benefit of the public schools shall, when not otherwise directed by the grantor, vest the property in the Board. Funds or other property donated, or the income therefrom, may be expended:

1. For any purpose designated by the donor that is in keeping with the lawful purposes of the schools that are to benefit from the donation; or
2. For any legal purpose if the donor designated no specific purpose.

The district receives donations from various sources throughout the school year. The majority of donations are given to the student activity funds to be used for student travel and awards. Some donations are in cash and some are non-cash, such as equipment, food, and services.

**AMINISTRATION CONSIDERATION**

For the period reported, total donations were \$267,441.10. The largest cash donations received was \$265,925.90 and there were no non-cash donations received. These donations benefit our students.

**FUNDING SOURCE AND AMOUNT**

N/A

**RECOMMENDATION:**

Approval of Donations for the Month of December 2021.

**CONTACT PERSON (S)**

Joel Garcia, Assistant Superintendent for Finance  
Anna Zuniga, CPA, Director for Finance  
Rosalinda Rodriguez, Accountant

Mission Consolidated Independent School District  
Donations through December 2021

Date	Campus / Scholarship	Cash	Non-Cash	Donor	Purpose
11/10/21	Veterans Memorial High School		338.00	Alton Scrap Metal	Donation to FFA for scrap metal pick-up.
11/19/21	Midkiff Elementary		727.20	Midkiff PTO	Donation to be used as needed.
11/19/21	Mission Junior High School		200.00	Izaguirre Engineering Groupe	Donation for Brickfire Spirit night.
11/19/21	Mission Junior High School		250.00	TKC Environmental, LLC	Donation for Brickfire Spirit night.
12/23/21	Mission & Veterans Memorial HS	265,925.90		Su Casa Corporation	Donation is to provide Scholarships to Mission graduates.
	Total donations	\$ 265,925.90	\$ 1,515.20		

**SUBJECT:** Personnel Employments, Resignations, Transfers and Compensation Changes

**PRESENTER:** Dr. Carol G. Perez, Superintendent

**BACKGROUND INFORMATION**

Professional employees and support staff members have been employed by the Mission Consolidated Independent School District. Employees requested and were granted transfers that affected their campus, position title and/or pay grade, or were reassigned, which affected their campus, position title and/or pay grade.

Letters of resignation and letters of retirement were received from Mission CISD employees.

Changes in compensation to employees after performance on the contract or duties for the job assignment have begun (subsequent to the December 15, 2021, report to the Board) are also included for staff members.

**FUNDING SOURCE:**

See Attachments

**RECOMMENDATION:**

No recommendation or action required. For Information Only.

**CONTACT PERSON(S):**

Lorena Garcia, Deputy Superintendent for Support Services  
Elisa Pacheco, Director for Human Resources

**SUBJECT:** Financial Report for General Fund and Debt Service for the Month of November 2021

**PRESENTER:** Joel Garcia, Assistant Superintendent for Finance

**BACKGROUND INFORMATION**

As per Board Policy CFA (LEGAL), The Board shall prepare an annual financial statement that shows the following for each fund subject to its authority during the fiscal year:

1. The total receipts of the fund, itemized by the source of revenue, including taxes, assessments, service charges, grants of state money, gifts, or other general sources from which funds are derived.
2. The total disbursements of the fund, itemized by the nature of the expenditure.
3. The balance in the fund at the close of the fiscal year.

Monthly financial reports are prepared throughout the year by Administration for information purposes only.

**ADMINISTRATIVE CONSIDERATIONS**

The General Fund Financial reports compare the budgeted revenues and expenditures.

Actual revenues for November 2021 totaled \$53,016,377 and actual expenditures totaled \$47,501,300. The excess total revenues over expenditures and other operating uses is \$5,521,704.

These numbers do not include outstanding encumbrances for payroll and supplies. Budget by function is sufficient to meet expenditures.

The Debt Fund financial report is also attached.

**FUNDING SOURCE AND AMOUNT**

Not applicable.

**RECOMMENDATION**

Information item only.

**CONTACT PERSON(S)**

Joel Garcia, Assistant Superintendent for Finance  
Anna Zuniga, CPA Director for Finance

**Mission Consolidated Independent School District**

**General Fund**

**November 30, 2021**

		Budget	Actual	Difference	%
<b>Revenues</b>					
5700	Local and Intermediate Sources	\$ 27,728,439	\$3,729,589	\$ (23,998,850)	13.45%
5800	State Program Revenues	130,446,452	43,020,726	(87,425,726)	32.98%
5900	Federal Program Revenues	22,687,952	6,266,061	(16,421,891)	27.62%
	<b>Total Revenues</b>	<b>\$ 180,862,843</b>	<b>\$ 53,016,377</b>	<b>\$ (127,846,466)</b>	
<b>Expenditures</b>					
11	Instruction	\$ 73,358,015	\$18,267,895	\$ 55,090,120	24.90%
12	Instrucional Resources & Media Services	2,522,688	557,459	1,965,229	22.10%
13	Curriculum and Personnel Development	2,248,646	793,490	1,455,156	35.29%
21	Instructional Administration	2,869,916	1,002,977	1,866,939	34.95%
23	School Administration	9,709,472	3,040,049	6,669,423	31.31%
31	Guidance and Counseling Services	6,176,276	1,690,958	4,485,318	27.38%
32	Attendance and Social Work Services	587,220	206,189	381,031	35.11%
33	Health Services	1,974,224	475,477	1,498,747	24.08%
34	Pupil Transportation	6,481,181	1,647,363	4,833,818	25.42%
35	Food Services	15,337,356	5,578,107	9,759,249	36.37%
36	Co-Curricular Activities	8,553,395	2,126,125	6,427,270	24.86%
41	General Administration	5,899,249	2,305,409	3,593,840	39.08%
51	Plant Maintenance and Operations	33,675,100	7,496,505	26,178,595	22.26%
52	Security and Monitoring	3,538,780	868,911	2,669,869	24.55%
53	Data Processing Services	3,331,940	1,024,958	2,306,982	30.76%
61	Community Services	399,873	78,852	321,021	19.72%
71	Debt Service	1,036,320	233,159	803,161	22.50%
81	Facilities Acquisition and Construction	8,469,628	(38,433)	8,508,061	-0.45%
95	Juvenile Justice Alt. Education	20,000	-	20,000	0.00%
99	Other Intergovernmental Charges	296,080	145,851	150,230	0.00%
	<b>Total Expenditures</b>	<b>\$ 186,485,359</b>	<b>\$47,501,300</b>	<b>\$ 138,984,059</b>	<b>0</b>
1100	<b>Excess (Deficiency)</b>	<b>\$ (5,622,516)</b>	<b>\$5,515,077</b>	<b>\$ 11,137,593</b>	
<b>Non-Operating Revenue</b>					
7912	Sale of Real or Personal Property	\$ 132,680	\$ 6,627	\$ (126,053)	5.00%
7915	Operating Transfers In	16,480,615	\$ -	(16,480,615)	0.00%
	<b>Total Non-Operating Revenue</b>	<b>\$ 16,613,295</b>	<b>\$ 6,627</b>	<b>\$ (16,606,668)</b>	
<b>Non-Operating Expenses</b>					
8911	Other Uses	\$ (18,022,997)	\$ -	\$ (18,022,997)	0.00%
	<b>Total Non-Operating Expenses</b>	<b>\$ (18,022,997)</b>	<b>\$ -</b>	<b>\$ (18,022,997)</b>	
1200	<b>Excess (Deficiency)</b>	<b>\$ (7,032,218)</b>	<b>\$ 5,521,704</b>	<b>\$ (23,492,072)</b>	
0100	<b>Fund Balance - Beginning Audited</b>	<b>\$ 80,898,169</b>	<b>\$ 80,898,169</b>	<b>\$ -</b>	
3000	<b>Fund Balance - Ending Un-Audited</b>	<b>\$ 73,865,951</b>	<b>\$ 86,419,873</b>	<b>\$ (23,492,072)</b>	

Mission Consolidated Independent School District

November 30, 2021

DEBT SERVICE FUND 599

		Budget	Actual	Difference	%
<b>Revenues</b>					
5700	Local and Intermediate Sources	\$ 4,182,889	\$ 540,128	\$ (3,642,761)	12.91%
5800	State Program Revenues	4,274,159	3,902,778	(371,381)	91.31%
	<b>Total Revenues</b>	<b>\$ 8,457,048</b>	<b>\$ 4,442,906</b>	<b>\$ (4,014,142)</b>	
<b>Expenditures</b>					
71	Debt Services	\$ 8,457,048	\$ 1,793,824	\$ 6,663,225	21.21%
	<b>Total Expenditures</b>	<b>\$ 8,457,048</b>	<b>\$ 1,793,824</b>	<b>\$ 6,663,225</b>	
<b>1100</b>	<b>Excess (Deficiency)</b>	<b>\$ -</b>	<b>\$ 2,649,083</b>	<b>\$ 2,649,083</b>	
<b>Non-Operating Revenue</b>					
7900	Operating Transfers In	\$0	\$0	\$0	0.00%
<b>Non-Operating Expenses</b>					
8900	Operating Transfers Out	\$ -	\$ -	\$ -	0.00%
<b>1200</b>	<b>Excess (Deficiency)</b>	<b>\$ -</b>	<b>\$ 2,649,083</b>	<b>\$ 2,649,083</b>	
<b>0100</b>	<b>Fund Balance - Beginning Audited</b>	<b>\$ 5,114,405</b>	<b>\$ 5,114,405</b>	<b>\$ -</b>	
<b>3000</b>	<b>Fund Balance - Ending Un-Audited</b>	<b>\$ 5,114,405</b>	<b>\$ 7,763,488</b>	<b>\$ 2,649,083</b>	

**SUBJECT:** Self-Funded Group Health Insurance Financial Report for the Month of November 2021

**PRESENTER:** Joel Garcia, Assistant Superintendent for Finance

**BACKGROUND INFORMATION**

Mission CISD offers a self-funded group health insurance plan to its employees administered by Blue Cross Blue Shield of Texas. District employees have the option to elect health insurance coverages from three plans (High Deductible, Base, and High Plan).

As a self-funded group health insurance plan, Mission CISD assumes the financial risk for providing health care benefits to its employees and their dependents. In practical terms, Mission CISD pays for each out of pocket claim as they are incurred instead of paying a fixed premium to an insurance carrier. Mission CISD has set up the Health Insurance Fund to account for premiums funded by the District and its employees and to pay incurred claims and administrative costs.

**ADMINISTRATIVE CONSIDERATIONS**

Actual revenues for November 2021 totaled \$1,198,256.68 and actual expenditures totaled \$1,859,049.61. The excess revenues over expenses was (660,792.93). The total net position as of November totaled (\$1,566,630.74).

The Self-Funded Group Health Insurance Financial Report is also attached. There were four large claims in November. The large claims were for \$166,501.12, \$123,575.05, \$170,940 and \$192,418.80 for a total of \$653,434.97.

**FUNDING SOURCE AND AMOUNT**

Not applicable.

**RECOMMENDATION**

Information item only.

**CONTACT PERSON(S)**

Joel Garcia, Assistant Superintendent for Finance  
Anna Zuniga, Director for Finance, CPA  
Sylvia Cruz, Director for Payroll, Employee Benefits & Risk Management



***Mission***

**Consolidated Independent  
School District**

# **Self-Funded Group Health Plan**

## **November 2021**



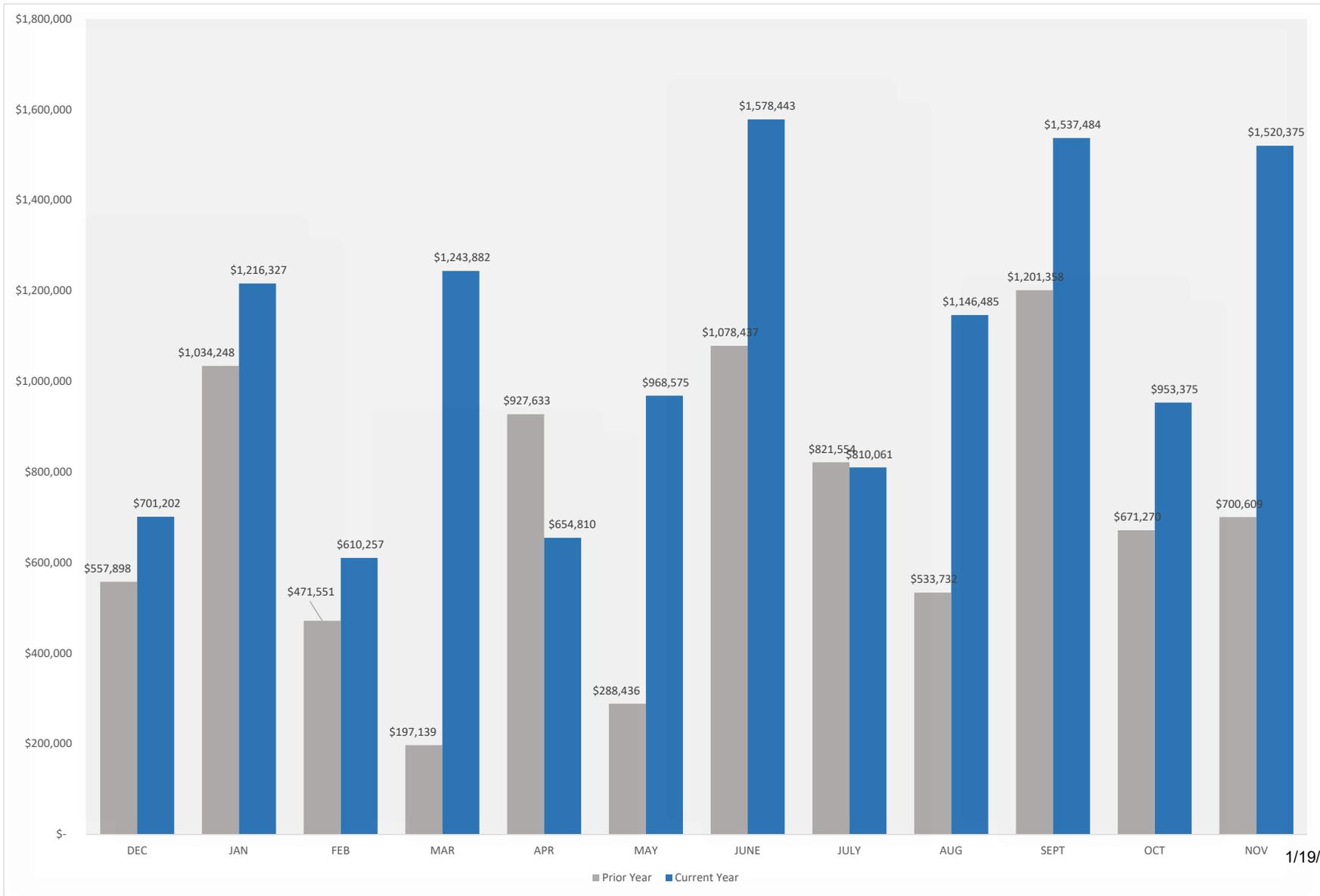
# Self Funded Health Insurance Fund

## Statement of Revenues, Expenses and Changes in Net Position for 5 months ending November 2021

Operating Revenues	Actual	%
<i>Premiums:</i>		
Medical - Employee	\$ 1,234,162.40	19.77%
Medical - Employer	\$ 4,706,567.49	75.40%
Administrative Fees-Refunds	\$ -	0.00%
Claim Credits		0.00%
Pharmacy Credits/Rebates	\$ -	0.00%
Stop Loss Insurance	\$ 300,724.00	0.46%
Cobra	\$ 951.69	0.02%
<b>Non - Operating Revenues</b>		
Interest Revenue	\$ 19.38	0.00%
<b>Total Revenues</b>	<b>\$ 6,242,424.96</b>	<b>96%</b>
<b>Operating Expenses</b>		
<i>Claims:</i>		
Medical	\$ 5,967,779.97	76.42%
Pharmacy - RX	\$ 1,424,391.85	18.24%
<i>Administrative Fees:</i>		
Medical	\$ 32,148.84	0.41%
Aggregate Stop Loss	\$ 35,157.14	0.45%
Specific Stop Loss	\$ 330,368.68	4.23%
Independent External Review Fees	\$ -	0.00%
Vendor Fees	\$ 4,340.94	0.06%
PCORI Fees	\$ 417.10	0.01%
Consulting Fees	\$ 4,500.00	0.06%
<b>Non-Operating Expenses</b>		
Other Expenses	\$ 9,951.18	0.13%
<b>Total Expenses</b>	<b>\$ 7,809,055.70</b>	<b>100.00%</b>
<b>Operating Income (Loss)</b>		
	<b>\$ (1,566,630.74)</b>	
<b>Income (Loss) Before Contributions &amp; Transfers</b>		
	<b>\$ (1,566,630.74)</b>	
<b>Contributions &amp; Transfers</b>		
Transfers In	\$ -	
<b>Change in Net Position</b>		
	<b>\$ (1,566,630.74)</b>	
<b>Total Net Position - Beginning Unaudited</b>		
	<b>\$ -</b>	
<b>Total Net Position - Ending Unaudited</b>		
	<b>\$ (1,566,630.74)</b>	

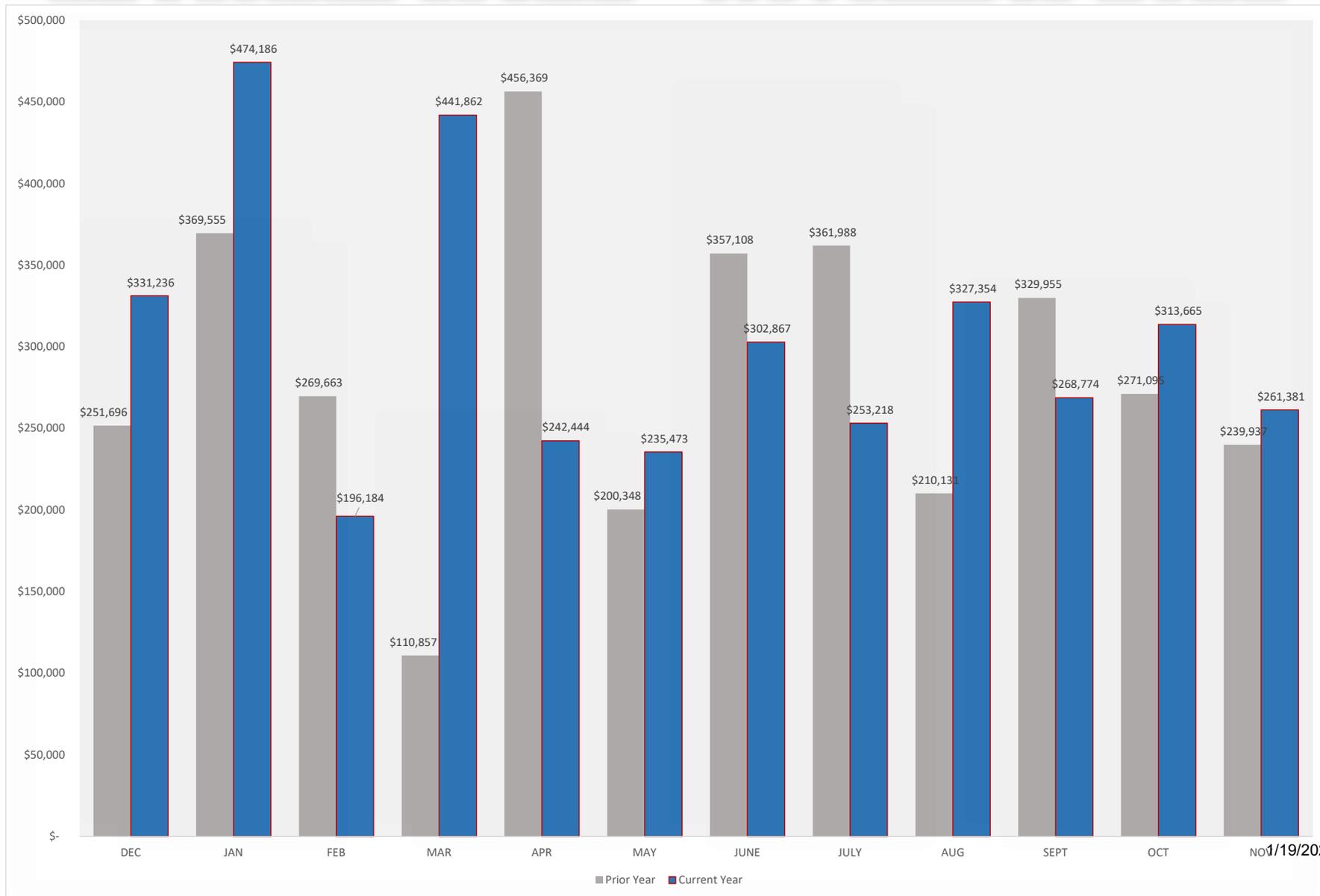


# Medical Claims Expense Overview 12 Month Trend – November 2021



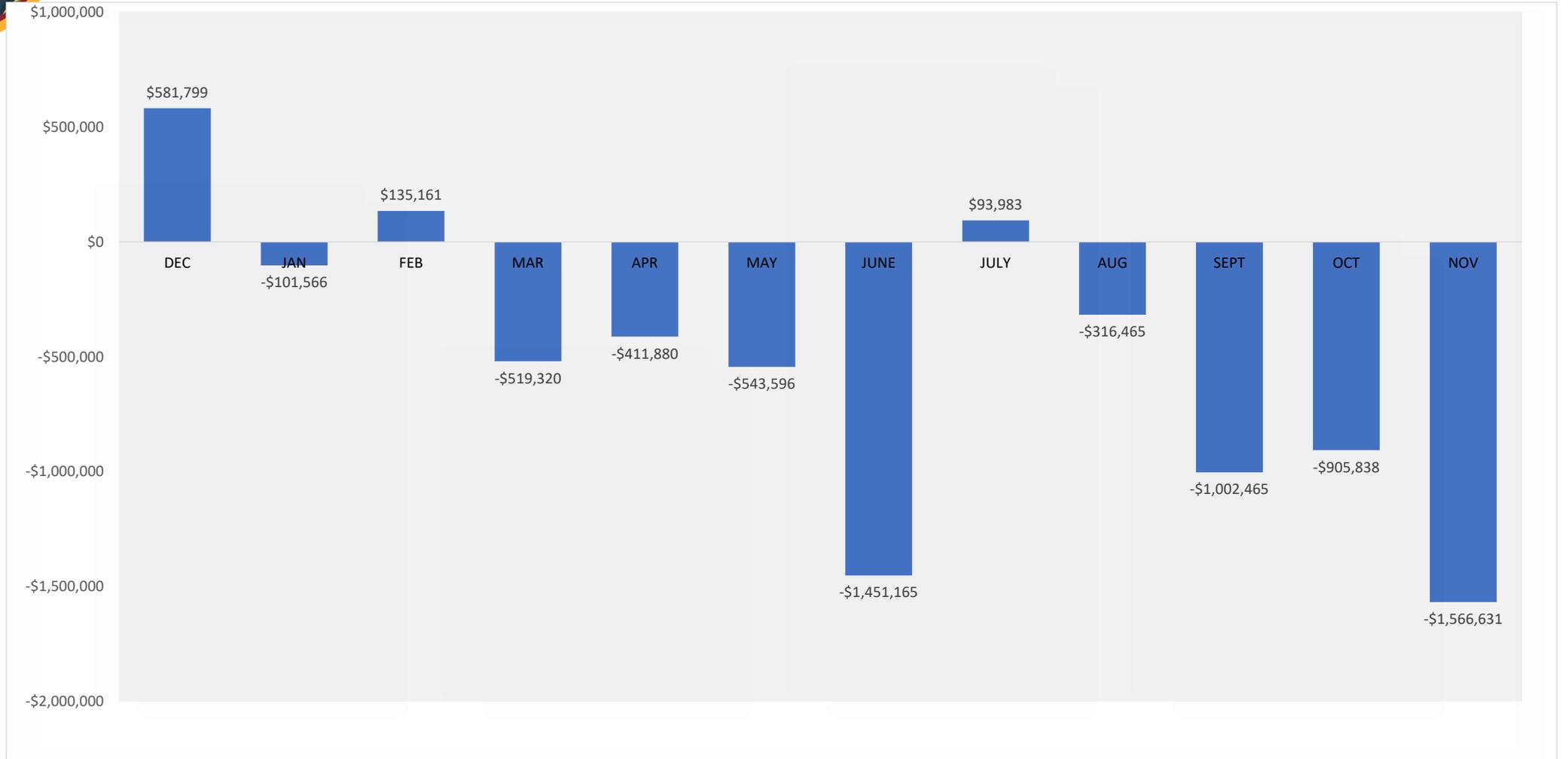


# Pharmacy Claims Expense Overview 12 Month Trend – November 2021





# Net Position Overview 12 month Trend – November 2021



**SUBJECT:** Tax Levy Adjustments for the Month of November 2021

**PRESENTER:** Joel Garcia, Assistant Superintendent for Finance

**BACKGROUND INFORMATION**

The Hidalgo County Assessor & Collector has been collecting the District's taxes since December 1999. Both current and delinquent taxes are collected by Hidalgo County on our behalf.

**ADMINISTRATIVE CONSIDERATIONS**

Tax roll adjustments due to corrections, rollbacks, homesteads, dropped years, etc., resulted in a net decrease of \$19,628.28. Adjustments are reviewed and posted to the general ledger on a monthly basis. These modifications are included as part of the monthly tax report.

Collections totaled \$2,595,034.07. The monthly fee for this service is \$6,271.00.

Attached is the November 2021 Tax Collection Report

**FUNDING SOURCE AND AMOUNT**

Local Maintenance Levy Modification \$16,858.87  
Debt Service Levy Modification \$2,769.41  
Rollbacks \$0.00

**RECOMMENDATION:**

Informational Item

**CONTACT PERSON (S)**

Joel Garcia, Assistant Superintendent for Finance  
Anna Zuniga, CPA Director of Finance  
Rosalinda Rodriguez, Accountant

**HIDALGO COUNTY TAX OFFICE  
MISSION CISD**

**MODIFICATIONS FOR THE MONTH OF NOVEMBER 2021**

YR	RATE	M&O	%	ADJ	M&O	I&S	%	I&S
2021	1.1332	0.9719	85.77%	(14,372.01)	(12,326.29)	0.1613	14.23%	(2,045.72)
2020	1.19930	1.02800	85.72%	(1,668.31)	(1,430.02)	0.1713	14.28%	(238.29)
2019	1.23955	1.06835	86.19%	(2,389.18)	(2,059.20)	0.1712	13.81%	(329.98)
2018	1.3398	1.1700	87.33%	(679.66)	(593.52)	0.1698	12.67%	(86.14)
2017	1.3502	1.1700	86.65%	(519.12)	(449.84)	0.1802	13.35%	(69.28)
2016	1.3582	1.1700	86.14%		0.00	0.1882	13.86%	0.00
2015	1.3672	1.1700	85.58%		0.00	0.1972	14.42%	0.00
2014	1.3300	1.1700	87.97%		0.00	0.1600	12.03%	0.00
2013	1.3000	1.1700	90.00%		0.00	0.1300	10.00%	0.00
2012	1.3000	1.1700	90.00%		0.00	0.1300	10.00%	0.00
2011	1.3000	1.1700	90.00%		0.00	0.1300	10.00%	0.00
2010	1.3000	1.0400	80.00%		0.00	0.2600	20.00%	0.00
2009	1.2800	1.0400	81.25%		0.00	0.2400	18.75%	0.00
2008	1.2400	1.0400	83.87%		0.00	0.2000	16.13%	0.00
2007	1.1800	1.0400	88.14%		0.00	0.1400	11.86%	0.00
2006	1.4574	1.3374	91.77%		0.00	0.1200	8.23%	0.00
2005	1.5632	1.4632	93.60%		0.00	0.1000	6.40%	0.00
2004	1.5691	1.4632	93.25%		0.00	0.1059	6.75%	0.00
2003	1.5841	1.4632	92.37%		0.00	0.1209	7.63%	0.00
2002	1.5841	1.4500	91.53%		0.00	0.1341	8.47%	0.00
2001	1.5341	1.4394	93.83%		0.00	0.0947	6.17%	0.00
2000	1.5341	1.4000	91.26%		0.00	0.1341	8.74%	0.00
1999	1.5050	1.4208	94.41%		0.00	0.0842	5.59%	0.00
<b>TOTAL</b>				<b>(19,628.28)</b>	<b>(16,858.87)</b>			<b>(2,769.41)</b>
				<b>M&amp;O</b>				<b>I&amp;S</b>
<b>2021</b>				<b>(14,372.01)</b>	<b>(12,326.29)</b>			<b>(2,045.72)</b>
<b>2020 &amp; PRIOR</b>				<b>(5,256.27)</b>	<b>(4,532.58)</b>			<b>(723.69)</b>
<b>TOTAL</b>				<b>(19,628.28)</b>	<b>(16,858.87)</b>			<b>(2,769.41)</b>

**ROLLBACK MODIFICATIONS FOR THE MONTH OF NOVEMBER 2021**

YR	RATE	M&O	%	ADJ	M&O	I&S	%	I&S
2021			#DIV/0!	-	#DIV/0!		#DIV/0!	#DIV/0!
2020	1.1993	1.0280	85.72%	-	0.00	0.1713	14.28%	0.00
2019	1.2396	1.0684	86.19%	-	0.00	0.1712	13.81%	0.00
2018	1.3398	1.1700	87.33%	-	0.00	0.1698	12.67%	0.00
2017	1.3502	1.1700	86.65%	-	0.00	0.1802	13.35%	0.00
<b>TOTAL</b>				<b>0.00</b>	<b>0.00</b>			<b>0.00</b>
				<b>M&amp;O</b>				<b>I&amp;S</b>
<b>CURRENT</b>				-	-			-
<b>DELINQUENT</b>				-	-			-
<b>TOTAL</b>				-	-			-

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 TC298-D SELECTION: SYSTEM  
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 LOCATION: LOCATION NAME NOT FOUND

TAX COLLECTION SYSTEM  
 DEPOSIT DISTRIBUTION  
 FROM: 11/01/2021 THRU 11/30/2021  
 JURISDICTION: 0048 MISSION CISD

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 INCLUDES AG ROLLBACK

YEAR	FUND	TAX RATE	LEVY PAID	DISCOUNT GIVEN	PENALTY INTEREST	TIF AMOUNT	DISBURSE TOTAL	ATTORNEY	OTHER FEES	REFUND AMOUNT	PAYMENT AMOUNT
2021	M & O	.971900	2,101,122.82	.00	.00	.00	2,101,122.82	.00	.00	.00	2,101,122.82
	I & S	.161300	348,709.93	.00	.00	.00	348,709.93	.00	.00	.00	348,709.93
	TOTAL	1.133200	2,449,832.75	.00	.00	.00	2,449,832.75	.00	.00	.00	2,449,832.75
2020	M & O	1.028000	35,786.72	.00	8,168.36	.00	43,955.08	8,001.53	.00	.00	51,956.61
	I & S	.171300	5,963.31	.00	1,361.14	.00	7,324.45	.00	.00	.00	7,324.45
	TOTAL	1.199300	41,750.03	.00	9,529.50	.00	51,279.53	8,001.53	.00	.00	59,281.06
2019	M & O	1.068350	12,189.74	.00	4,352.71	.00	16,542.45	2,919.05	.00	.00	19,461.50
	I & S	.171200	1,953.37	.00	697.53	.00	2,650.90	.00	.00	.00	2,650.90
	TOTAL	1.239550	14,143.11	.00	5,050.24	.00	19,193.35	2,919.05	.00	.00	22,112.40
2018	M & O	1.170000	7,658.57	.00	3,493.01	.00	11,151.58	1,897.08	.00	.00	13,048.66
	I & S	.169800	1,111.44	.00	506.91	.00	1,618.35	.00	.00	.00	1,618.35
	TOTAL	1.339800	8,770.01	.00	3,999.92	.00	12,769.93	1,897.08	.00	.00	14,667.01
2017	M & O	1.170000	3,074.89	.00	1,721.93	.00	4,796.82	795.66	.00	.00	5,592.48
	I & S	.180200	473.57	.00	265.22	.00	738.79	.00	.00	.00	738.79
	TOTAL	1.350200	3,548.46	.00	1,987.15	.00	5,535.61	795.66	.00	.00	6,331.27
2016	M & O	1.170000	3,543.72	.00	2,348.85	.00	5,892.57	958.49	.00	.00	6,851.06
	I & S	.188200	569.98	.00	377.83	.00	947.81	.00	.00	.00	947.81
	TOTAL	1.358200	4,113.70	.00	2,726.68	.00	6,840.38	958.49	.00	.00	7,798.87
2015	M & O	1.170000	2,089.89	.00	1,462.21	.00	3,552.10	542.88	.00	.00	4,094.98
	I & S	.197200	352.23	.00	246.43	.00	598.66	.00	.00	.00	598.66
	TOTAL	1.367200	2,442.12	.00	1,708.64	.00	4,150.76	542.88	.00	.00	4,693.64
2014	M & O	1.170000	1,335.98	.00	1,076.59	.00	2,412.57	367.75	.00	.00	2,780.32
	I & S	.160000	182.70	.00	147.23	.00	329.93	.00	.00	.00	329.93
	TOTAL	1.330000	1,518.68	.00	1,223.82	.00	2,742.50	367.75	.00	.00	3,110.25
2013	M & O	1.170000	1,445.40	.00	1,270.38	.00	2,715.78	372.78	.00	.00	3,088.56
	I & S	.130000	160.61	.00	141.16	.00	301.77	.00	.00	.00	301.77
	TOTAL	1.300000	1,606.01	.00	1,411.54	.00	3,017.55	372.78	.00	.00	3,390.33
2012	M & O	1.170000	1,401.89	.00	1,454.20	.00	2,856.09	394.95	.00	.00	3,251.04
	I & S	.130000	155.77	.00	161.58	.00	317.35	.00	.00	.00	317.35
	TOTAL	1.300000	1,557.66	.00	1,615.78	.00	3,173.44	394.95	.00	.00	3,568.39
2011	M & O	1.170000	981.84	.00	1,172.83	.00	2,154.67	342.03	.00	.00	2,496.70
	I & S	.130000	109.11	.00	130.32	.00	239.43	.00	.00	.00	239.43
	TOTAL	1.300000	1,090.95	.00	1,303.15	.00	2,394.10	342.03	.00	.00	2,736.13
2010	M & O	1.040000	912.16	.00	1,146.77	.00	2,058.93	341.86	.00	.00	2,400.79
	I & S	.260000	228.04	.00	286.70	.00	514.74	.00	.00	.00	514.74
	TOTAL	1.300000	1,140.20	.00	1,433.47	.00	2,573.67	341.86	.00	.00	2,915.53

YEAR	FUND	TAX RATE	LEVY PAID	DISCOUNT GIVEN	PENALTY INTEREST	TIF AMOUNT	DISBURSE TOTAL	ATTORNEY	OTHER FEES	REFUND AMOUNT	PAYMENT AMOUNT
2009	M & O	1.040000	1,018.16	.00	1,430.87	.00	2,449.03	415.29	.00	.00	2,864.32
	I & S	.240000	234.97	.00	330.23	.00	565.20	.00	.00	.00	565.20
	TOTAL	1.280000	1,253.13	.00	1,761.10	.00	3,014.23	415.29	.00	.00	3,429.52
2008	M & O	1.040000	604.15	.00	971.22	.00	1,575.37	276.59	.00	.00	1,851.96
	I & S	.200000	116.18	.00	186.78	.00	302.96	.00	.00	.00	302.96
	TOTAL	1.240000	720.33	.00	1,158.00	.00	1,878.33	276.59	.00	.00	2,154.92
2007	M & O	1.040000	601.49	.00	1,070.62	.00	1,672.11	284.58	.00	.00	1,956.69
	I & S	.140000	80.97	.00	144.12	.00	225.09	.00	.00	.00	225.09
	TOTAL	1.180000	682.46	.00	1,214.74	.00	1,897.20	284.58	.00	.00	2,181.78
2006	M & O	1.337400	382.89	.00	727.50	.00	1,110.39	181.51	.00	.00	1,291.90
	I & S	.120000	34.36	.00	65.28	.00	99.64	.00	.00	.00	99.64
	TOTAL	1.457400	417.25	.00	792.78	.00	1,210.03	181.51	.00	.00	1,391.54
2005	M & O	1.463200	208.35	.00	420.90	.00	629.25	100.84	.00	.00	730.09
	I & S	.100000	14.24	.00	28.76	.00	43.00	.00	.00	.00	43.00
	TOTAL	1.563200	222.59	.00	449.66	.00	672.25	100.84	.00	.00	773.09
2004	M & O	1.463200	787.48	.00	1,221.43	.00	2,008.91	209.75	.00	.00	2,218.66
	I & S	.105900	56.98	.00	88.41	.00	145.39	.00	.00	.00	145.39
	TOTAL	1.569100	844.46	.00	1,309.84	.00	2,154.30	209.75	.00	.00	2,364.05
2003	M & O	1.463200	122.90	.00	267.82	.00	390.72	60.99	.00	.00	451.71
	I & S	.120900	10.15	.00	22.13	.00	32.28	.00	.00	.00	32.28
	TOTAL	1.584100	133.05	.00	289.95	.00	423.00	60.99	.00	.00	483.99
2002	M & O	1.450000	108.75	.00	258.83	.00	367.58	60.24	.00	.00	427.82
	I & S	.134100	10.06	.00	23.94	.00	34.00	.00	.00	.00	34.00
	TOTAL	1.584100	118.81	.00	282.77	.00	401.58	60.24	.00	.00	461.82
2001	M & O	1.439400	107.96	.00	269.89	.00	377.85	60.41	.00	.00	438.26
	I & S	.094700	7.10	.00	17.76	.00	24.86	.00	.00	.00	24.86
	TOTAL	1.534100	115.06	.00	287.65	.00	402.71	60.41	.00	.00	463.12
2000	M & O	1.400000	105.00	.00	275.11	.00	380.11	62.48	.00	.00	442.59
	I & S	.134100	10.06	.00	26.35	.00	36.41	.00	.00	.00	36.41
	TOTAL	1.534100	115.06	.00	301.46	.00	416.52	62.48	.00	.00	479.00
1999	M & O	1.420800	35.91	.00	98.40	.00	134.31	21.34	.00	.00	155.65
	I & S	.084200	2.13	.00	5.83	.00	7.96	.00	.00	.00	7.96
	TOTAL	1.505000	38.04	.00	104.23	.00	142.27	21.34	.00	.00	163.61
1997	M & O	1.262900	47.42	.00	141.27	.00	188.69	32.61	.00	.00	221.30
	I & S	.192100	7.21	.00	21.49	.00	28.70	.00	.00	.00	28.70
	TOTAL	1.455000	54.63	.00	162.76	.00	217.39	32.61	.00	.00	250.00

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TAX COLLECTION SYSTEM  
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 FROM: 11/01/2021 THRU 11/30/2021  
 JURISDICTION: 0048 MISSION CISD

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 INCLUDES AG ROLLBACK

YEAR	FUND	TAX RATE	LEVY PAID	DISCOUNT GIVEN	PENALTY INTEREST	TIF AMOUNT	DISBURSE TOTAL	ATTORNEY	OTHER FEES	REFUND AMOUNT	PAYMENT AMOUNT
ALL	M & O		2,175,674.08	.00	34,821.70	.00	2,210,495.78	18,700.69	.00	.00	2,229,196.47
ALL	I & S		360,554.47	.00	5,283.13	.00	365,837.60	.00	.00	.00	365,837.60
ALL	TOTAL		2,536,228.55	.00	40,104.83	.00	2,576,333.38	18,700.69	.00	.00	2,595,034.07
DLQ	M & O		74,551.26	.00	34,821.70	.00	109,372.96	18,700.69	.00	.00	128,073.65
DLQ	I & S		11,844.54	.00	5,283.13	.00	17,127.67	.00	.00	.00	17,127.67
DLQ	TOTAL		86,395.80	.00	40,104.83	.00	126,500.63	18,700.69	.00	.00	145,201.32
CURR	M & O		2,101,122.82	.00	.00	.00	2,101,122.82	.00	.00	.00	2,101,122.82
CURR	I & S		348,709.93	.00	.00	.00	348,709.93	.00	.00	.00	348,709.93
CURR	TOTAL		2,449,832.75	.00	.00	.00	2,449,832.75	.00	.00	.00	2,449,832.75

**SUBJECT:** Disbursements for the Month of November 2021

**PRESENTER:** Joel Garcia, Assistant Superintendent for Finance

**BACKGROUND INFORMATION:**

The District’s disbursements list all of the checks and other payments made during the reporting month. The check registers, wire transfers, and automated clearing house (ACH) transactions are available for inspection at the office of the Assistant Superintendent for Finance.

Monthly disbursement reports are prepared throughout the year by administration for information purposes only.

**ADMINISTRATIVE CONSIDERATIONS:**

The District’s total disbursements for the Month of November totaled \$13,007,719.51 as follows:

<b>Disbursement Type</b>	<b>Amount</b>
Accounts Payable Vendor Checks	\$ 2,656,284.51
District Purchasing Cards	\$ 594,118.43
ACH	\$ 1,834,805.47
Wire Transfers	\$ 213,059.83
Payroll	\$ 7,709,451.27
<b>TOTAL</b>	<b>\$ 13,007,719.51</b>

**FUNDING SOURCE AND AMOUNT:**

N/A

**RECOMMENDATION:**

Information Item.

**CONTACT PERSON (S):**

Joel Garcia, Assistant Superintendent for Finance  
Anna Zuniga, CPA, Director for Finance  
Odon Garcia Jr, Accountant