



# AIA Document A133™ – 2009 Exhibit A

## Guaranteed Maximum Price Amendment

**for the following PROJECT:**

*(Name and address or location)*

Las Milpas Park Youth Facility  
1601 W. Anaya Road  
Pharr, Texas

**THE OWNER:**

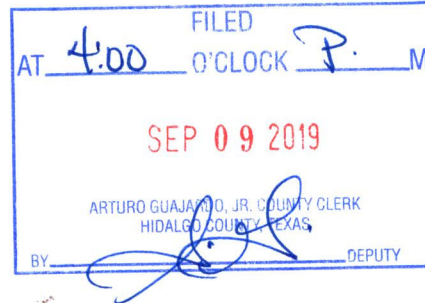
*(Name, legal status and address)*

County of Hidalgo  
100 East Cano, 2<sup>nd</sup> Floor  
Edinburg, Texas 78539  
(956) 318-2600

**THE CONSTRUCTION MANAGER:**

*(Name, legal status and address)*

Erickson Construction, LLC, a Texas limited liability company  
3520 Buddy Owens  
McAllen, Texas 78504



**ADDITIONS AND DELETIONS:**

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

AIA Document A201™–2007, General Conditions of the Contract for Construction, is adopted in this document by reference. Do not use with other general conditions unless this document is modified.

This amendment dated the 30<sup>th</sup> day of July, 2019 ("GMP Amendment 2" or "Amendment"), is between the Owner and the Construction Manager, and amends that certain agreement (C-17-324-07-17) that states it was made as of the 20<sup>th</sup> day of March, 2018 and that was approved by Commissioners Court on July 17, 2018, between the Owner and Construction Manager with respect to the Project (as amended by GMP Amendment 1, which is defined below, the "Agreement"). Any term defined in the Agreement or GMP Amendment 1 and used herein shall have the meaning given such term in the Agreement or GMP Amendment 1, as the case may be, unless otherwise defined herein.

**ARTICLE A.0**

**§ A.0.1 Background**

This Amendment is the second guaranteed maximum price amendment for this Project. The Owner and Construction Manager previously entered into that certain guaranteed maximum price amendment dated March 5, 2019 ("GMP Amendment 1") with respect to Phase 1 of the Project. As set forth in Article A.0 of GMP Amendment 1, this GMP Amendment 2 is the GMP Amendment originally contemplated for what is now called Phase 2 of the Project for the original work anticipated under the Agreement, to which Exhibit D of the Agreement applies. The Owner has determined to proceed with Phase 2 in accordance with the terms of the Agreement as amended hereby.

**§ A.0.2 Phase 1**

Owner and Construction Manager acknowledge that Construction Manager has not yet completed Phase 1 pursuant to GMP Amendment 1. The notice to proceed for Phase 1 was issued on May 29, 2019 and the anticipated date of Substantial Completion of Phase 1 pursuant to Section A.2.1 of GMP Amendment 1 is August 12, 2019.

**§ A.0.3**

The following exhibits are attached to and made a part of this GMP Amendment 2.

- .1 Exhibit A-1 Payment and Performance Bonds
- .2 Exhibit A-2 Plans for Phase 2
- .3 Exhibit A-3 Itemized Statement of GMP for Phase 2
- .4 Exhibit A-4 Construction Manager’s Updated Insurance Certificates

**ARTICLE A.1**

**§ A.1.1 Guaranteed Maximum Price**

Pursuant to Section 2.2.6 of the Agreement, the Owner and Construction Manager hereby amend the Agreement to establish a Guaranteed Maximum Price. As agreed by the Owner and Construction Manager, the Guaranteed Maximum Price is an amount that the Contract Sum shall not exceed. The Contract Sum consists of the Construction Manager’s Fee plus the Cost of the Work, as that term is defined in Article 6 of this Agreement. For the avoidance of doubt, the parties acknowledge that Phase 1 is covered by GMP Amendment 1 and is therefore not included in the GMP herein.

**§ A.1.1.1** The Contract Sum for Phase 2 is guaranteed by the Construction Manager not to exceed One Million Six Hundred Thirty Thousand and 00/100 Dollars (\$1,630,000.00), subject to additions and deductions by Change Order as provided in the Contract Documents.

**§ A.1.1.2 Itemized Statement of the Guaranteed Maximum Price.** Provided below is an itemized statement of the Guaranteed Maximum Price organized by trade categories, allowances, contingencies, alternates, the Construction Manager’s Fee, and other items that comprise the Guaranteed Maximum Price.  
*(Provide below or reference an attachment.)*

The itemized statement of the GMP is attached as Exhibit A-3 to this GMP Amendment 2 and is titled "Las Milpas Park Youth Facility – Project Totals Report June 10, 2019".

**§ A.1.1.3** The Guaranteed Maximum Price is based on the following alternates, if any, which are described in the Contract Documents and are hereby accepted by the Owner:  
*(State the numbers or other identification of accepted alternates. If the Contract Documents permit the Owner to accept other alternates subsequent to the execution of this Amendment, attach a schedule of such other alternates showing the amount for each and the date when the amount expires.)*

N/A

**§ A.1.1.4** Allowances included in the Guaranteed Maximum Price, if any:  
*(Identify allowance and state exclusions, if any, from the allowance price.)*

Item	Price (\$0.00)
Brick Masonry (Material Only)	\$20,000.00
Structural Steel/Mezzanine (Labor and Material)	\$20,000.00
Ceramic Wall Tile (Labor and Material)	\$43,200.00
Flooring (Labor and Material)	\$46,848.00
Specialties-Interior & Exterior Signage (Labor and Material)	\$8,500.00
Irrigation and Landscaping (Labor and Material)	\$15,000.00

**§ A.1.1.5** Assumptions, if any, on which the Guaranteed Maximum Price is based:

- .1 Construction Manager is responsible for irrigation and landscaping plan required by the City of Pharr as it is part of the Work. (An allowance for such work is included in Section A.1.1.4 above, so it is part of the GMP.)
- .2 Purchase and installation of low voltage wiring or terminations for telecom, security, CCTV, or access control for Youth Facility or Gymnasium is not included in the Work.
- .3 As all conduit for telecom, security, CCTV, or access control for Youth Facility and Gymnasium as indicated on the plans is included as part of the Work, it is included in the GMP.
- .4 Purchase and installation of kitchen equipment is not included in the Work.

**§ A.1.1.6** The Guaranteed Maximum Price is based upon the following Supplementary and other Conditions of the Contract:

Document	Title	Date	Pages
N/A			

**§ A.1.1.7** The Guaranteed Maximum Price is based upon the following Specifications:  
*(Either list the Specifications here, or refer to an exhibit attached to this Agreement.)*

N/A

Section	Title	Date	Pages
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**§ A.1.1.8** The Guaranteed Maximum Price is based upon the following Drawings:  
*(Either list the Drawings here, or refer to an exhibit attached to this Agreement.)*

Exhibit A-2

Number	Title	Date
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**§ A.1.1.9** The Guaranteed Maximum Price is based upon the following other documents and information:  
*(List any other documents or information here, or refer to an exhibit attached to this Agreement.)*

Exhibit A-3

**ARTICLE A.2**

**§ A.2.1** The anticipated date of Substantial Completion established by this Amendment:

Two Hundred Forty (240) calendar days after the notice to proceed has been issued by the Owner for Phase 2 and the permit referenced in Section A.0.1 of GMP Amendment 1 has been issued by the City of Pharr.

**§ A.2.2** Owner and Construction Manager recognize that time is of the essence in this Agreement and that Owner will suffer financial loss if the Work is not completed within the time specified in this Article A.2, plus any extension thereof allowed in accordance with Article 8 of the A201-2007. Owner and Construction Manager also recognize the delays, expense and difficulties involved in proving in a legal proceeding the actual loss suffered by the Owner if the Work is not completed on time. Accordingly, instead of requiring such proof, Owner and Construction Manager agree that as liquidated damages for delay (but not as a penalty) Construction Manager shall pay Owner Two Hundred Fifty Dollars (\$250.00) per calendar day for each calendar day after the Substantial Completion date noted in this Article A.2 until the Work is substantially complete. Construction Manager should complete and close out the Project within thirty (30) days after Substantial Completion.

*It is expressly understood that said sum per day is agreed upon as a fair estimate of the pecuniary damages that will be sustained by the Owner in the event that the Work is not completed within the agreed time, or within the legally extended time, if any. Said sum shall be considered as liquidated damages only, the exact ascertainment of which is difficult, and in no sense shall be considered a penalty.*

**ARTICLE A.3**

**§ A.3.1** Unless the context otherwise requires, references to sections of the Agreement in this GMP Amendment are to the applicable section of the AIA Document A133–2009, Standard Form of Agreement Between Owner and Construction Manager as Contractor portion of the Agreement (the "A133"). This Amendment replaces the form attached as Exhibit A to the Agreement and shall be considered "Exhibit A (Phase 2)" to the Agreement.

**§ A.3.2** The original rider to the bonds required pursuant to Section 11.4 of the A201 and Article 8 of the A133 is attached to the Owner's execution original of this GMP Amendment 2 as Exhibit A-1. Construction Manager acknowledges that the rider attached to this GMP Amendment 2 is for the entire \$1,703,459.42 Project incorporating Phases 1 (with a GMP of \$73,459.42) and 2 (with a GMP of \$1,630,000.00) and amends the bonds for Phase 1 that are attached as Exhibit A-1 to GMP Amendment 1. Section 11.4.1.1 of the A201 is amended by adding before the period at the end of the first sentence "or, if sooner, prior to execution of the GMP Amendment".

**§ A.3.3** Updated insurance certificates required pursuant to Section 11.1.1.3 of the A201 are attached hereto as Exhibit A-4.

**§ A.3.4** In the Table of Articles on page 3 of the A133, the reference to Exhibit A (including Exhibit A-1) is deleted and replaced with the following:

<b>EXHIBIT A (Phase 1)</b>	<b>GUARANTEED MAXIMUM PRICE AMENDMENT 1 (Dated March 5, 2019)</b>
<b>EXHIBIT A-1</b>	<b>PAYMENT AND PERFORMANCE BONDS FOR PHASE 1</b>
<b>EXHIBIT A-2</b>	<b>ADDITIONAL INFORMATION FOR PHASE 1 OF PROJECT (January 23, 2018 Las Milpas Park Youth Facility Subdivision Utility Layout)</b>
<b>EXHIBIT A-3</b>	<b>ADDITIONAL INFORMATION FOR PHASE 1 OF PROJECT (Construction Manager's Proposal for Phase 1)</b>
<b>EXHIBIT A-4</b>	<b>ADDITIONAL INSURANCE CERTIFICATES</b>
<b>EXHIBIT A (Phase 2)</b>	<b>GUARANTEED MAXIMUM PRICE AMENDMENT 2 (Dated July 30, 2019)</b>
<b>EXHIBIT A-1</b>	<b>PAYMENT AND PERFORMANCE BONDS RIDER</b>
<b>EXHIBIT A-2</b>	<b>PLANS FOR PHASE 2 OF PROJECT (May 23, 2019 Las Milpas Park Youth Facility Plans)</b>
<b>EXHIBIT A-3</b>	<b>ITEMIZED STATEMENT OF GMP FOR PHASE 2</b>
<b>EXHIBIT A-4</b>	<b>CONSTRUCTION MANAGER'S UPDATED INSURANCE CERTIFICATES</b>

**§ A.3.5** Except as modified herein, all terms and conditions of the Agreement, as amended by this GMP Amendment 2, remain in full force and effect, and Construction Manager and Owner ratify and confirm the terms and provisions of the Agreement, as amended by this GMP Amendment 2.

*[Signature page follows]*

HIDALGO COUNTY

ERICKSON CONSTRUCTION, LLC

By: Richard F. Cortez  
Richard F. Cortez, County Judge


By: Jeffrey Erickson  
Jeffrey Erickson, Manager

APPROVED AS TO FORM FOR COUNTY:  
ATLAS, HALL & RODRIGUEZ, LLP

(Row deleted)

By: Stephen L. Crain  
Stephen L. Crain

(Row deleted)

ATTEST:  
  
Guillermo Guarjardo, Jr.  
Guillermo Guarjardo, Jr., County Clerk

APPROVED BY  
COMMISSIONERS' COURT  
ON: 7/30/19 ms

**EXHIBIT A-1**

to

GMP Amendment 2

To

Agreement dated March 20, 2018 between  
Hidalgo County and Erickson Construction, LLC  
(Las Milpas Park Youth Facility)

Payment and Performance Bonds Rider

(Original rider to the bonds to be attached to Hidalgo County's Original GMP Amendment and a copy of the rider to be attached to the Construction Manager's Original)

**EXHIBIT A-2**

to

GMP Amendment 2

To

Agreement dated March 20, 2018 between  
Hidalgo County and Erickson Construction, LLC  
(Las Milpas Park Youth Facility)

Plans for Phase 2 of Project  
(May 23, 2019 Las Milpas Park Youth Facility Plans)

**EXHIBIT A-3**

to

GMP Amendment 2

To

Agreement dated March 20, 2018 between  
Hidalgo County and Erickson Construction, LLC  
(Las Milpas Park Youth Facility)

Itemized Statement of GMP for Phase 2

Init.

# Las Milpas Park Youth Facility - Project Totals Report

## June 10, 2019

Between the Contractor: **Erickson Construction LLC**  
**3520 Buddy Owens**  
**McAllen, Texas 78504**  
**(956) 631-9789**

And the Client: **Hidalgo County - Precinct 2**  
**300 W Hall Acres**  
**Pharr, Texas 78589**

### 03 00 00 - CONCRETE

03 00 00 - Concrete \$87,000.00

03 70 00 Pest Control \$2,400.00

**SUBTOTAL 03 00 00 - CONCRETE \$89,400.00**

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### 04 00 00 - MASONRY

04 00 00 - Masonry \$68,746.00

04 21 13 - Brick Masonry Allowance \$20,000.00

**SUBTOTAL 04 00 00 - MASONRY \$88,746.00**

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### 05 00 00 - METALS

05 10 00 - Structural Metal Framing \$156,992.00

05 10 00 - Mezzanine Allowance \$20,000.00

**SUBTOTAL 05 00 00 - METALS \$176,992.00**

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### 06 00 00 - WOOD, PLASTICS, COMP

06 10 00 - Rough Carpentry & Misc. Materials \$105,400.00

06 16 00 - Sheathing \$7,200.00

**SUBTOTAL 06 00 00 - WOOD, PLASTICS, COMP** **\$112,600.00**

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**07 00 00 - THERMAL PROTECTION**

07 40 00 - Roofing and Siding Panels \$45,000.00

**SUBTOTAL 07 00 00 - THERMAL PROTECTION** **\$45,000.00**

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**08 00 00 - OPENINGS**

08 50 00 - Windows & Storefronts \$18,990.00

**SUBTOTAL 08 00 00 - OPENINGS** **\$18,990.00**

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**09 00 00 - FINISHES**

09 29 00 - Gypsum Wallboard \$4,800.00

09 30 00 - Ceramic Wall Tiling Allowance \$43,200.00

09 51 23 - Acoustical Tile Ceilings \$20,150.00

09 60 00 - Flooring Allowance \$46,848.00

09 90 00 - Painting and Coatings \$32,800.00

**SUBTOTAL 09 00 00 - FINISHES** **\$147,798.00**

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**10 00 00 - SPECIALTIES**

10 00 00 - Interior & Exterior Signage Allowance \$8,500.00

10 28 13 - Toilet Accessories/Doors - Alamo Doors w/Install \$37,611.00

**SUBTOTAL 10 00 00 - SPECIALTIES** **\$46,111.00**

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**12 00 00 - FURNISHINGS**

12 36 00 - Cabinets & Countertops \$18,490.00

**SUBTOTAL 12 00 00 - FURNISHINGS** **\$18,490.00**

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**21 00 00 - FIRE SUPPRESSION**

21 00 00 - Fire Suppression \$41,400.00

**SUBTOTAL 21 00 00 - FIRE SUPPRESSION** **\$41,400.00**

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**22 00 00 - PLUMBING**

21 00 00 - Plumbing \$70,000.00

**SUBTOTAL 22 00 00 - PLUMBING** **\$70,000.00**

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**23 00 00 - HVAC**

23 00 00 - Heating, Ventilating, and Air Conditioning \$105,706.13

**SUBTOTAL 23 00 00 - HVAC** **\$105,706.13**

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**26 00 00 - ELECTRICAL**

26 00 00 - Electrical \$148,000.00

**SUBTOTAL 26 00 00 - ELECTRICAL** **\$148,000.00**

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**28 00 00 - SAFETY & SECURITY**

28 30 00 - Detection and Alarm \$17,157.00

**SUBTOTAL 28 00 00 - SAFETY & SECURITY** **\$17,157.00**

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**31 00 00 - EARTHWORK**

31 10 00 - Site Work Contractor \$191,500.00

**SUBTOTAL 31 00 00 - EARTHWORK** **\$191,500.00**

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**32 00 00 - EXT IMPROVEMENT**

32 93 23 - Landscape and Irrigation Allowance \$15,000.00

**SUBTOTAL 32 00 00 - EXT IMPROVEMENT \$15,000.00**

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**33 00 00 - UTILITIES**

33 00 00 - Utilities \$43,604.00

**SUBTOTAL 33 00 00 - UTILITIES \$43,604.00**

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**1 00 00 - GENERAL REQ.**

01 00 00 - General Requirements \$126,313.76

01 50 00 - Temporary Facilities and Controls \$7,200.00

01 51 00 - Temporary Utilities \$1,200.00

01 51 33 - Temporary Telecommunications \$800.00

01 51 36 - Temporary Water \$1,600.00

01 52 19 - Sanitary Facilities \$1,920.00

01 56 00 - Temporary Barriers and Enclosures \$4,500.00

01 58 00 - Project Identification \$1,500.00

01 74 00 - Cleaning and Waste Management \$16,000.00

01 76 00 - Protecting Installed Construction \$3,000.00

**SUBTOTAL 01 00 00 - GENERAL REQ. \$164,033.76**

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**CONSTRUCTION SERVICES FEE**

Construction Services Fee \$89,472.11

**SUBTOTAL CONSTRUCTION SERVICES FEE \$89,472.11**

**Grand Total: \$1,630,000.00**

**EXHIBIT A-4**

to

GMP Amendment 2

To

Agreement dated March 20, 2018 between  
Hidalgo County and Erickson Construction, LLC  
(Las Milpas Park Youth Facility)

Construction Manager's Updated Insurance Certificates

Init.

# ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)  
07/25/2019

PRODUCER  
MUNAL INSURANCE AGENCY, P.C.  
4211 N MCCOLL RD  
MCALLEN, TX 78504

(956) 631-4385

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

### COMPANIES AFFORDING COVERAGE

COMPANY A	EVANSTON INSURANCE COMPANY
COMPANY B	TEXAS MUTUAL INSURANCE COMPANY
COMPANY C	
COMPANY D	

INSURED  
JEFFREY ERICKSON  
ERICKSON CONSTRUCTION, LLC  
3520 BUDDY OWENS BLVD  
MCALLEN, TX 78504

### COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY	3EL4627	03/21/2019	03/21/2020	GENERAL AGGREGATE \$ 2,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				PRODUCTS - COMP/OP AGG \$ 1,000,000
	<input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR				PERSONAL & ADV INJURY \$ 1,000,000
	OWNER'S & CONTRACTOR'S PROT				EACH OCCURRENCE \$ 1,000,000
					FIRE DAMAGE (Any one fire) \$ 100,000
					MED EXP (Any one person) \$ 5,000
					COMBINED SINGLE LIMIT \$
					BODILY INJURY (Per person) \$
					BODILY INJURY (Per accident) \$
					PROPERTY DAMAGE \$
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT \$
	ANY AUTO				OTHER THAN AUTO ONLY:
					EACH ACCIDENT \$
					AGGREGATE \$
	EXCESS LIABILITY				EACH OCCURRENCE \$
	UMBRELLA FORM				AGGREGATE \$
	OTHER THAN UMBRELLA FORM				\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	BINDER	07/25/2019	07/25/2020	WC STATUTORY LIMITS OTH-ER
	EL EACH ACCIDENT \$ 100,000				
	EL DISEASE - POLICY LIMIT \$ 100,000				
	EL DISEASE - EA EMPLOYEE \$ 100,000				
	OTHER				

### DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

INSURED: GENERAL CONTRACTOR  
COUNTY OF HIDALGO SHALL BE NAMED AS ADDITIONAL INSURED ON ALL COMMERCIAL GENERAL LIABILITY POLICIES

### CERTIFICATE HOLDER

HIDALGO COUNTY  
ATTN: PURCHASING DEPARTMENT  
2812 S HIGHWAY BUS 281  
EDINBURG, TX 78539

### CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

*Arnelinda Gonzalez*



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

## ADDITIONAL INSURED WHEN REQUIRED BY CONTRACT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This provision does not apply in regard to any ownership, maintenance or use of the additional insured's "autos."

### Additional Insured When Required by Contract

(1) Paragraph A.1. – WHO IS AN INSURED – of Section II – Liability Coverage is amended to add:

- d. When you have agreed, in a written contract or written agreement, that a person or organization be added as an additional insured on your business auto policy, such person or organization is an "insured", but only to the extent such person or organization is liable for "bodily injury" or "property damage" caused by the conduct of an "insured" under paragraphs a. or b. of Who Is An Insured with regard to the ownership, maintenance or use of a covered "auto."

The insurance afforded to any such additional insured applies only if the "bodily injury" or "property damage" occurs:

- (1) During the policy period, and
- (2) Subsequent to the execution of such written contract, and
- (3) Prior to the expiration of the period of time that the written contract requires such insurance be provided to the additional insured.

(2) How Limits Apply

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the most we will pay on behalf of such additional insured is the lesser of:

(a) The limits of insurance specified in the written contract or written agreement; or

(b) The Limits of Insurance shown in the Declarations.

Such amount shall be a part of and not in addition to Limits of Insurance shown in the Declarations and described in this Section.

(3) Additional Insureds Other Insurance

If we cover a claim or "suit" under this Coverage Part that may also be covered by other insurance available to an additional insured, such additional insured must submit such claim or "suit" to the other insurer for defense and indemnity.

However, this provision does not apply to the extent that you have agreed in a written contract or written agreement that the insurance is primary and non-contributory with the additional insured's own insurance.

(4) Duties in The Event Of Accident, Claim, Suit or Loss

If another person or organization is added as an additional insured on your policy, the additional insured shall be required to comply with the provisions in **A. Loss Conditions 2. – Duties In The Event Of Accident, Claim, Suit Or Loss – of SECTION IV – BUSINESS AUTO CONDITIONS**, in the same manner as the Named Insured.

# SureTec Insurance Company

2103 CityWest Boulevard, Suite 1300

Houston, TX 77042

713-812-0800

## CHANGE RIDER

TO BE ATTACHED TO AND FORM A PART OF:

Bond Number: 4414781

Principal: Erickson Construction, LLC

Obligee: County of Hidalgo

Said bond, issued by SureTec Insurance Company, as Surety, is hereby amended as follows:

Bond #4414781 is increased from \$73,459.42, to a total of \$1,703,459.42 to include the Guaranteed Maximum Price Amendment dated the 30th day of July 2019 for Las Milpas Park Youth Facility, 1601 W Anaya Rd, Pharr, Tx

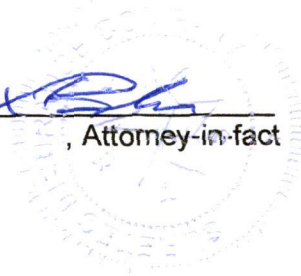
Effective date of rider: August 5, 2019

All other terms and conditions shall remain the same.

Signed and sealed this 22nd day of August, 2019.

SureTec Insurance Company  
Surety

By: Douglas X. Brewka, Attorney-in-fact



# SureTec Insurance Company

## LIMITED POWER OF ATTORNEY

**Know All Men by These Presents**, That SURETEC INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Texas, and having its principal office in Houston, Harris County, Texas, does by these presents make, constitute and appoint

Stephen Smith, Janis Winkler, Douglas X. Brewka, Byron R. Dudney, Cory Brooke, Brannon Brooke

its true and lawful Attorney-in-fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include waivers to the conditions of contracts and consents of surety for, providing the bond penalty does not exceed

Five Million and 00/100 Dollars (\$5,000,000.00)

and to bind the Company thereby as fully and to the same extent as if such bond were signed by the CEO, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolutions of the Board of Directors of the SureTec Insurance Company:

*Be it Resolved*, that the President, any Vice-President, any Assistant Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

*Attorney-in-Fact* may be given full power and authority for and in the name of and of behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements or indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be binding upon the Company as if signed by the President and sealed and effected by the Corporate Secretary.

*Be it Resolved*, that the signature of any authorized officer and seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached. (Adopted at a meeting held on 20<sup>th</sup> of April, 1999.)

**In Witness Whereof**, SURETEC INSURANCE COMPANY has caused these presents to be signed by its CEO, and its corporate seal to be hereto affixed this 13th day of April, A.D. 2018.

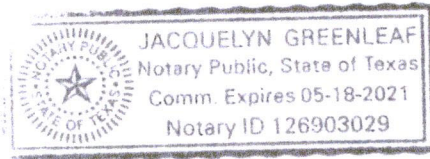


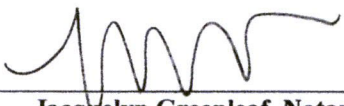
SURETEC INSURANCE COMPANY

By:   
John Knox Jr., CEO

State of Texas                    ss:  
County of Harris

On this 13th day of April, A.D. 2018 before me personally came John Knox Jr., to me known, who, being by me duly sworn, did depose and say, that he resides in Houston, Texas, that he is CEO of SURETEC INSURANCE COMPANY, the company described in and which executed the above instrument; that he knows the seal of said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto by like order.



  
Jacquelyn Greenleaf, Notary Public  
My commission expires May 18, 2021

I, M. Brent Beaty, Assistant Secretary of SURETEC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Company, which is still in full force and effect; and furthermore, the resolutions of the Board of Directors, set out in the Power of Attorney are in full force and effect.

Given under my hand and the seal of said Company at Houston, Texas this 22nd day of August, 2019, A.D.

  
M. Brent Beaty, Assistant Secretary



# Interior Lighting Compliance Certificate

## Project Information

Energy Code: 2015 IECC  
 Project Title: La Milpas Park Youth Facility CLASSROOMS  
 Project Type: New Construction

Construction Site:  
Pharr, TX

Owner/Agent:

Designer/Contractor:  
Trinity CAD  
Trinity MEP  
3533 Moreland DR.  
Weslaco, TX 78596  
956.973.0500  
jesse@trinitymep.com

## Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

## Allowed Interior Lighting Power

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B X C)
1-School/University	6198	0.78	4853
Total Allowed Watts =			4853

## Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>1-School/University</u>				
LED 1: A: LED 2 X 4: Other:	1	62	31	1922
LED 2: AE: LED 2 X 4 EMERGENCY: Other:	1	18	31	558
LED 3: A2: LED 2 X 2: Other:	1	1	33	33
LED 4: B: LED 2X4: Other:	1	5	36	180
LED 5: BE: LED 2X4 EMERGENCY: Other:	1	1	36	36
LED 6: C: LED 2X4: Other:	1	9	50	450
LED 7: CE: LED 2X4 EMERGENCY: Other:	1	9	50	450
LED 8: D: RECESSED LIGHTING: Other:	1	9	10	90
Total Proposed Watts =				3719

**Interior Lighting PASSES: Design 23% better than code**

## Interior Lighting Compliance Statement

*Compliance Statement:* The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

LEONARDO MUNOZ - ENGINEER

Name - Title

Signature

05-14-19

Date



# Exterior Lighting Compliance Certificate

## Project Information

Energy Code: 2015 IECC  
 Project Title: La Milpas Park Youth Facility CLASSROOMS  
 Project Type: New Construction  
 Exterior Lighting Zone: 2 (Residential mixed use area)

Construction Site: Pharr, TX  
 Owner/Agent:  
 Designer/Contractor: Trinity CAD  
 Trinity MEP  
 3533 Moreland DR.  
 Weslaco, TX 78596  
 956.973.0500  
 jesse@trinitymep.com

## Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Walkway >= 10 feet wide	3230 ft2	0.14	Yes	452
Entry canopy	222 ft2	0.25	Yes	56
Parking area	9100 ft2	0.06	Yes	546
Total Tradable Watts (a) =				1054
Total Allowed Watts =				1054
Total Allowed Supplemental Watts (b) =				600

- (a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
- (b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

## Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>Walkway &gt;= 10 feet wide (3230 ft2): Tradable Wattage</u>				
LED 1: AA: LED WALL PACK: Other:	1	8	45	360
<u>Entry canopy (222 ft2): Tradable Wattage</u>				
LED 2: BB: RECESSED LED: Other:	1	3	35	105
<u>Parking area (9100 ft2): Tradable Wattage</u>				
LED 3: CC: LED POLE: Other:	1	1	217	217
Total Tradable Proposed Watts =				682

**Exterior Lighting PASSES: Design 59% better than code**

## Exterior Lighting Compliance Statement

*Compliance Statement:* The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

LEONARDO MUNOZ - ENGINEER

Name - Title

Signature



05-14-19

Date



# Mechanical Compliance Certificate

## Project Information

Energy Code: 2015 IECC  
Project Title: La Milpas Park Youth Facility CLASSROOMS  
Location: Pharr, Texas  
Climate Zone: 2a  
Project Type: New Construction

Construction Site:  
Pharr, TX

Owner/Agent:

Designer/Contractor:

Trinity CAD  
Trinity MEP  
3533 Moreland DR.  
Weslaco, TX 78596  
956.973.0500  
jesse@trinitymep.com

## Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

## Mechanical Systems List

### Quantity System Type & Description

- 1 RTU-1 (Single Zone):  
Heating: 1 each - Central Furnace, Electric, Capacity = 46 kBtu/h  
No minimum efficiency requirement applies  
Cooling: 1 each - Single Package DX Unit, Capacity = 72 kBtu/h, Air-Cooled Condenser, Air Economizer  
Proposed Efficiency = 12.60 EER, Required Efficiency: 11.20 EER + 12.8 IEER  
Fan System: RTU-1 -- Compliance (Motor nameplate HP method) : Passes  
  
Fans:  
FAN 1 Supply, Single-Zone VAV, 1950 CFM, 2.0 motor nameplate hp, 0.9 fan efficiency grade
- 1 RTU-2 (Single Zone):  
Heating: 1 each - Central Furnace, Electric, Capacity = 45 kBtu/h  
No minimum efficiency requirement applies  
Cooling: 1 each - Single Package DX Unit, Capacity = 60 kBtu/h, Air-Cooled Condenser, Air Economizer  
Proposed Efficiency = 17.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: RTU-2 -- Compliance (Motor nameplate HP method) : Passes  
  
Fans:  
FAN 2 Supply, Single-Zone VAV, 1600 CFM, 1.0 motor nameplate hp, 0.9 fan efficiency grade
- 1 RTU-3 (Single Zone):  
Heating: 1 each - Central Furnace, Electric, Capacity = 69 kBtu/h  
No minimum efficiency requirement applies  
Cooling: 1 each - Single Package DX Unit, Capacity = 90 kBtu/h, Air-Cooled Condenser, Air Economizer  
Proposed Efficiency = 12.60 EER, Required Efficiency: 11.20 EER + 12.8 IEER  
Fan System: RTU-3 -- Compliance (Motor nameplate HP method) : Passes  
  
Fans:  
FAN 3 Supply, Single-Zone VAV, 2400 CFM, 3.8 motor nameplate hp, 0.9 fan efficiency grade
- 1 RTU-4 (Single Zone):  
Heating: 1 each - Central Furnace, Electric, Capacity = 31 kBtu/h  
No minimum efficiency requirement applies  
Cooling: 1 each - Single Package DX Unit, Capacity = 48 kBtu/h, Air-Cooled Condenser, Air Economizer  
Proposed Efficiency = 17.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: RTU-4 -- Compliance (Motor nameplate HP method) : Passes

**Quantity System Type & Description**

- Fans:  
FAN 4 Supply, Single-Zone VAV, 1300 CFM, 1.0 motor nameplate hp, 0.9 fan efficiency grade
- 1 RTU-5 (Single Zone):  
Heating: 1 each - Central Furnace, Electric, Capacity = 15 kBtu/h  
No minimum efficiency requirement applies  
Cooling: 1 each - Single Package DX Unit, Capacity = 48 kBtu/h, Air-Cooled Condenser, Air Economizer  
Proposed Efficiency = 17.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: RTU-5 -- Compliance (Motor nameplate HP method) : Passes
- Fans:  
FAN 5 Supply, Single-Zone VAV, 1300 CFM, 1.0 motor nameplate hp, 0.9 fan efficiency grade
- 1 WH-1:  
Electric Storage Water Heater, Capacity: 50 gallons w/ Circulation Pump  
Proposed Efficiency: 0.80 SL, %/h (if > 12 kW), Required Efficiency: 0.84 SL, %/h (if > 12 kW)

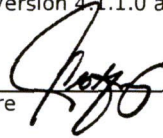
**Mechanical Compliance Statement**

*Compliance Statement:* The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

LEONARDO MUNOZ - ENGINEER

Name - Title

Signature



05-14-19

Date



# Inspection Checklist

Energy Code: 2015 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 [PR3] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 [PR4] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 [PR8] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C406 [PR9] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C403.2.4.5, C403.2.4.6 [FO9] <sup>3</sup>	Snow/ice melting system sensors for future connection to controls. Freeze protection systems have automatic controls installed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] <sup>3</sup>	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] <sup>3</sup>	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] <sup>3</sup>	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] <sup>3</sup>	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] <sup>3</sup>	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] <sup>3</sup>	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.1, C404.6.2 [PL3] <sup>1</sup>	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.3 [PL7] <sup>3</sup>	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.3 [PL7] <sup>3</sup>	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.3 [PL7] <sup>3</sup>	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.3 [PL7] <sup>3</sup>	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.3 [PL7] <sup>3</sup>	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.6.3 [PL7] <sup>3</sup>	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.7 [PL8] <sup>3</sup>	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.7 [PL8] <sup>3</sup>	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.7 [PL8] <sup>3</sup>	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.7 [PL8] <sup>3</sup>	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.7 [PL8] <sup>3</sup>	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)   
  2 Medium Impact (Tier 2)   
  3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 [PL8] <sup>3</sup>	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41] <sup>3</sup>	Thermally ineffective panel surfaces of sensible heating panels have insulation $\geq$ R-3.5.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.13 [ME71] <sup>2</sup>	Unenclosed spaces that are heated use only radiant heat.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.3 [ME55] <sup>2</sup>	HVAC equipment efficiency verified.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.2.4.7 [ME113] <sup>2</sup>	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.7 [ME113] <sup>2</sup>	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.7 [ME113] <sup>2</sup>	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.6.1 [ME59] <sup>1</sup>	Demand control ventilation provided for spaces $>500$ ft <sup>2</sup> and $>25$ people/1000 ft <sup>2</sup> occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow $>3,000$ cfm.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.6.2 [ME115] <sup>3</sup>	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.7 [ME57] <sup>1</sup>	Exhaust air energy recovery on systems meeting Table C403.2.7(1) and C403.2.7(2).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.8 [ME116] <sup>3</sup>	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9 [ME60] <sup>2</sup>	HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9 [ME10] <sup>2</sup>	Ducts and plenums sealed based on static pressure and location.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.2.9.1.3 [ME11] <sup>3</sup>	Ductwork operating >3 in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9.1.3 [ME11] <sup>3</sup>	Ductwork operating >3 in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9.1.3 [ME11] <sup>3</sup>	Ductwork operating >3 in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9.1.3 [ME11] <sup>3</sup>	Ductwork operating >3 in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9.1.3 [ME11] <sup>3</sup>	Ductwork operating >3 in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.3 [ME62] <sup>1</sup>	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.3 [ME62] <sup>1</sup>	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.3 [ME62] <sup>1</sup>	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.4.4.6 [ME110] <sup>3</sup>	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] <sup>3</sup>	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] <sup>3</sup>	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.4.4.6 [ME110] <sup>3</sup>	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] <sup>3</sup>	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C408.2.2.1 [ME53] <sup>3</sup>	Air outlets and zone terminal devices have means for air balancing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.5, C403.5.1, C403.5.2 [ME123] <sup>3</sup>	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2..	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15] <sup>1</sup>	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 [EL18] <sup>1</sup>	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1, C405.2.2.3 [EL23] <sup>2</sup>	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2.1 [EL22] <sup>2</sup>	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3 [EL16] <sup>2</sup>	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3.1, C405.2.3.2 [EL20] <sup>1</sup>	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3.1, C405.2.3.3 [EL21] <sup>1</sup>	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL4] <sup>1</sup>	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL8] <sup>1</sup>	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.5 [EL25] <sup>null</sup>	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 [EL6] <sup>1</sup>	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17] <sup>3</sup>	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.3, C408.2.5.3 [FI8] <sup>3</sup>	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.2 [FI27] <sup>3</sup>	HVAC systems and equipment capacity does not exceed calculated loads.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [FI47] <sup>3</sup>	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [FI47] <sup>3</sup>	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [FI47] <sup>3</sup>	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [FI47] <sup>3</sup>	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [FI47] <sup>3</sup>	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1.2 [FI38] <sup>3</sup>	Thermostatic controls have a 5 °F deadband.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1.3 [FI20] <sup>3</sup>	Temperature controls have setpoint overlap restrictions.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2 [FI39] <sup>3</sup>	Each zone equipped with setback controls using automatic time clock or programmable control system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4.2.1, C403.2.4.2.2 [FI40] <sup>3</sup>	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2.3 [FI41] <sup>3</sup>	Systems include optimum start controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2.3 [FI41] <sup>3</sup>	Systems include optimum start controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2.3 [FI41] <sup>3</sup>	Systems include optimum start controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2.3 [FI41] <sup>3</sup>	Systems include optimum start controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2.3 [FI41] <sup>3</sup>	Systems include optimum start controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.3 [FI11] <sup>3</sup>	Heat traps installed on supply and discharge piping of non-circulating systems.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.4 [FI25] <sup>2</sup>	All piping insulated in accordance with section details and Table C403.2.10.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.1 [FI12] <sup>3</sup>	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.4.1 [FI18] <sup>1</sup>	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C405.5.1 [FI19] <sup>1</sup>	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.2.1 [FI28] <sup>1</sup>	Commissioning plan developed by registered design professional or approved agency.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.3.1 [F131] <sup>1</sup>	HVAC equipment has been tested to ensure proper operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.3.2 [F110] <sup>1</sup>	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.3.3 [F132] <sup>1</sup>	Economizers have been tested to ensure proper operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.4 [F129] <sup>1</sup>	Preliminary commissioning report completed and certified by registered design professional or approved agency.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.1 [F17] <sup>3</sup>	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.1 [F116] <sup>3</sup>	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.3 [F143] <sup>1</sup>	An air and/or hydronic system balancing report is provided for HVAC systems.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.4 [F130] <sup>1</sup>	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [F133] <sup>1</sup>	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)





# Interior Lighting Compliance Certificate

### Project Information

Energy Code: 2015 IECC  
 Project Title: La Milpas Park Youth Facility GYM  
 Project Type: New Construction

Construction Site:  
 Pharr, TX

Owner/Agent:

Designer/Contractor:  
 Trinity CAD  
 Trinity MEP  
 3533 Moreland DR.  
 Weslaco, TX 78596  
 956.973.0500  
 jesse@trinitymep.com

### Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

### Allowed Interior Lighting Power

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B X C)
1-Gymnasium	5507	0.85	4659
Total Allowed Watts =			4659

### Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>1-Gymnasium</u>				
LED 3: A2: LED 2 X 2: Other:	1	2	33	66
LED 4: B: LED 2' HIGH BAY: Other:	1	14	90	1260
LED 5: BE: LED 2' HIGH BAY EMERGENCY: Other:	1	2	90	180
LED 1: C: LED 2 X 4: Other:	1	7	50	350
LED 2: CE: LED 2 X 4 EMERGENCY: Other:	1	7	50	350
Total Proposed Watts =				2206

**Interior Lighting PASSES: Design 53% better than code**

### Interior Lighting Compliance Statement

*Compliance Statement:* The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

LEONARDO MUNOZ - ENGINEER  
 Name - Title

Signature

05-14-19  
 Date



# Exterior Lighting Compliance Certificate

## Project Information

Energy Code: 2015 IECC  
 Project Title: La Milpas Park Youth Facility GYM  
 Project Type: New Construction  
 Exterior Lighting Zone: 2 (Residential mixed use area)

Construction Site:  
Pharr, TX

Owner/Agent:

Designer/Contractor:  
Trinity CAD  
Trinity MEP  
3533 Moreland DR.  
Weslaco, TX 78596  
956.973.0500  
jesse@trinitymep.com

## Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Walkway >= 10 feet wide	4695 ft2	0.14	Yes	657
Entry canopy	75 ft2	0.25	Yes	19
Total Tradable Watts (a) =				676
Total Allowed Watts =				676
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.

(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

## Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>Walkway &gt;= 10 feet wide (4695 ft2): Tradable Wattage</u>				
LED 1: AA: LED WALL PACK: Other:	1	8	45	360
<u>Entry canopy (75 ft2): Tradable Wattage</u>				
LED 2: BB: LED RECESSED: Other:	1	2	35	70
Total Tradable Proposed Watts =				430

**Exterior Lighting PASSES: Design 66% better than code**

## Exterior Lighting Compliance Statement

*Compliance Statement:* The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

LEONARDO MUNOZ - ENGINEER

Name - Title

Signature

05-14-19

Date



# Mechanical Compliance Certificate

## Project Information

Energy Code: 2015 IECC  
 Project Title: La Milpas Park Youth Facility GYM  
 Location: Pharr, Texas  
 Climate Zone: 2a  
 Project Type: New Construction

Construction Site:  
 Pharr, TX

Owner/Agent:

Designer/Contractor:  
 Trinity CAD  
 Trinity MEP  
 3533 Moreland DR.  
 Weslaco, TX 78596  
 956.973.0500  
 jesse@trinitymep.com

## Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

## Mechanical Systems List

### Quantity System Type & Description

- 2 AHU-1,2 (Single Zone):  
 Heating: 1 each - Central Furnace, Electric, Capacity = 64 kBtu/h  
 No minimum efficiency requirement applies  
 Cooling: 1 each - Split System, Capacity = 120 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: Low Capacity Residential  
 Proposed Efficiency = 11.20 EER, Required Efficiency: 11.20 EER + 12.8 IEER  
 Fan System: AHU-1,2 | GYM -- Compliance (Motor nameplate HP method) : Passes  
  
 Fans:  
 FAN 1 Supply, Single-Zone VAV, 3200 CFM, 2.0 motor nameplate hp, 0.9 fan efficiency grade
- 1 UH-1 (Single Zone):  
 Heating: 1 each - Unit Heater, Electric, Capacity = 4 kBtu/h  
 No minimum efficiency requirement applies  
 Fan System: None
- 1 WH-1:  
 Electric Storage Water Heater, Capacity: 20 gallons w/ Circulation Pump  
 Proposed Efficiency: 0.90 SL, %/h (if > 12 kW), Required Efficiency: 1.65 SL, %/h (if > 12 kW)

## Mechanical Compliance Statement

*Compliance Statement:* The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

LEONARDO MUNOZ - ENGINEER  
 Name - Title

Signature

05-14-19  
 Date



# Inspection Checklist

Energy Code: 2015 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 [PR3] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 [PR4] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 [PR8] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C406 [PR9] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C403.2.4.5, C403.2.4.6 [FO9]³	Snow/ice melting system sensors for future connection to controls. Freeze protection systems have automatic controls installed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] <sup>3</sup>	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] <sup>3</sup>	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] <sup>3</sup>	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.1, C404.6.2 [PL3] <sup>1</sup>	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.3 [PL7] <sup>3</sup>	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.3 [PL7] <sup>3</sup>	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.6.3 [PL7] <sup>3</sup>	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.7 [PL8] <sup>3</sup>	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.7 [PL8] <sup>3</sup>	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 [PL8] <sup>3</sup>	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41] <sup>3</sup>	Thermally ineffective panel surfaces of sensible heating panels have insulation $\geq R-3.5$ .	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.12 .1 [ME65] <sup>3</sup>	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.2.12 .3 [ME117] <sup>2</sup>	Fans have efficiency grade (FEG) $\geq 67$ . The total efficiency of the fan at the design point of operation $\leq 15\%$ of maximum total efficiency of the fan.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.13 [ME71] <sup>2</sup>	Unenclosed spaces that are heated use only radiant heat.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.3 [ME55] <sup>2</sup>	HVAC equipment efficiency verified.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.2.6. 1 [ME59] <sup>1</sup>	Demand control ventilation provided for spaces $>500$ ft <sup>2</sup> and $>25$ people/1000 ft <sup>2</sup> occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow $>3,000$ cfm.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.6. 2 [ME115] <sup>3</sup>	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.7 [ME57] <sup>1</sup>	Exhaust air energy recovery on systems meeting Table C403.2.7(1) and C403.2.7(2).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.8 [ME116] <sup>3</sup>	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9 [ME60] <sup>2</sup>	HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9 [ME10] <sup>2</sup>	Ducts and plenums sealed based on static pressure and location.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9. 1.3 [ME11] <sup>3</sup>	Ductwork operating $>3$ in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41] <sup>3</sup>	Thermally ineffective panel surfaces of sensible heating panels have insulation $\geq R-3.5$ .	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.12 .1 [ME65] <sup>3</sup>	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.2.12 .3 [ME117] <sup>2</sup>	Fans have efficiency grade (FEG) $\geq 67$ . The total efficiency of the fan at the design point of operation $\leq 15\%$ of maximum total efficiency of the fan.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.13 [ME71] <sup>2</sup>	Unenclosed spaces that are heated use only radiant heat.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.3 [ME55] <sup>2</sup>	HVAC equipment efficiency verified.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.2.6. 1 [ME59] <sup>1</sup>	Demand control ventilation provided for spaces $>500$ ft <sup>2</sup> and $>25$ people/1000 ft <sup>2</sup> occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow $>3,000$ cfm.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.6. 2 [ME115] <sup>3</sup>	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.7 [ME57] <sup>1</sup>	Exhaust air energy recovery on systems meeting Table C403.2.7(1) and C403.2.7(2).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.8 [ME116] <sup>3</sup>	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9 [ME60] <sup>2</sup>	HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9 [ME10] <sup>2</sup>	Ducts and plenums sealed based on static pressure and location.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.9. 1.3 [ME11] <sup>3</sup>	Ductwork operating $>3$ in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15] <sup>1</sup>	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 [EL18] <sup>1</sup>	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1, C405.2.2, 3 [EL23] <sup>2</sup>	<i>Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.</i>	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2.1 [EL22] <sup>2</sup>	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3 [EL16] <sup>2</sup>	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3, C405.2.3.1, C405.2.3.2 [EL20] <sup>1</sup>	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3, C405.2.3.1, C405.2.3.3 [EL21] <sup>1</sup>	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL4] <sup>1</sup>	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL8] <sup>1</sup>	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.5 [EL25] <sup>null</sup>	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 [EL6] <sup>1</sup>	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [F117] <sup>3</sup>	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.3, C408.2.5.3 [F18] <sup>3</sup>	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.2 [F127] <sup>3</sup>	HVAC systems and equipment capacity does not exceed calculated loads.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147] <sup>3</sup>	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1 [F147] <sup>3</sup>	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1.2 [F138] <sup>3</sup>	Thermostatic controls have a 5 °F deadband.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.1.3 [F120] <sup>3</sup>	Temperature controls have setpoint overlap restrictions.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2 [F139] <sup>3</sup>	Each zone equipped with setback controls using automatic time clock or programmable control system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2.1, C403.2.4.2.2 [F140] <sup>3</sup>	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.2.4.2.3 [F141] <sup>3</sup>	Systems include optimum start controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.3 [F111] <sup>3</sup>	Heat traps installed on supply and discharge piping of non-circulating systems.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C404.4 [F125] <sup>2</sup>	All piping insulated in accordance with section details and Table C403.2.10.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C404.6.1 [FI12] <sup>3</sup>	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.4.1 [FI18] <sup>1</sup>	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C405.5.1 [FI19] <sup>1</sup>	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.2.1 [FI28] <sup>1</sup>	Commissioning plan developed by registered design professional or approved agency.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.3.1 [FI31] <sup>1</sup>	HVAC equipment has been tested to ensure proper operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.3.2 [FI10] <sup>1</sup>	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.4 [FI29] <sup>1</sup>	Preliminary commissioning report completed and certified by registered design professional or approved agency.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.1 [FI7] <sup>3</sup>	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.1 [FI16] <sup>3</sup>	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.3 [FI43] <sup>1</sup>	An air and/or hydronic system balancing report is provided for HVAC systems.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.4 [FI30] <sup>1</sup>	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [FI33] <sup>1</sup>	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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# CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY  
CERTIFICATION OF FILING**

Certificate Number:  
2019-522381

Date Filed:  
07/29/2019

Date Acknowledged:

**1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**

Erickson Construction, LLC  
McAllen, TX United States

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**

Hidalgo County Precinct No. 2

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.**

C-17-324-07-17  
GMP Amendment No. 2 (CMAR) for Las Milpas Park Youth Facility Project

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Erickson Construction, LLC.	McAllen, TX United States	X	

**5 Check only if there is NO Interested Party.**

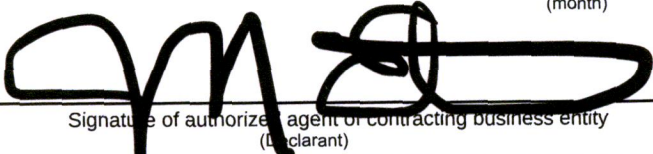
**6 UNSWORN DECLARATION**

My name is Jeffrey Erickson, and my date of birth is 11/10/1972.

My address is 3520 Buddy Owens, McAllen, TX, 78504, USA.  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Hidalgo County, State of Texas, on the 29th day of July, 2019.  
(month) (year)

  
Signature of authorized agent or contracting business entity (Declarant)





4.1 OF

GENERAL NOTES

1. All dimensions are in feet and inches unless otherwise noted.

2. All materials shall be as specified in the specifications unless otherwise noted.

3. All work shall be in accordance with the approved plans and specifications.

4. All materials shall be of the highest quality available.

5. All work shall be completed within the specified time frame.

6. All materials shall be stored in a secure and dry location.

7. All work shall be inspected and approved by the authority having jurisdiction.

8. All materials shall be delivered to the project site.

9. All work shall be completed in accordance with the approved plans and specifications.

10. All materials shall be of the highest quality available.

11. All work shall be completed within the specified time frame.

12. All materials shall be stored in a secure and dry location.

13. All work shall be inspected and approved by the authority having jurisdiction.

14. All materials shall be delivered to the project site.

15. All work shall be completed in accordance with the approved plans and specifications.

16. All materials shall be of the highest quality available.

17. All work shall be completed within the specified time frame.

18. All materials shall be stored in a secure and dry location.

19. All work shall be inspected and approved by the authority having jurisdiction.

20. All materials shall be delivered to the project site.

21. All work shall be completed in accordance with the approved plans and specifications.

22. All materials shall be of the highest quality available.

23. All work shall be completed within the specified time frame.

24. All materials shall be stored in a secure and dry location.

25. All work shall be inspected and approved by the authority having jurisdiction.

26. All materials shall be delivered to the project site.

27. All work shall be completed in accordance with the approved plans and specifications.

28. All materials shall be of the highest quality available.



4.3.1 - PUBLIC TELEPHONES  
MS SECTION 4.3.1(1) - 4.3.1(4) - REFER APPLICABLE  
A. Provide one (1) public telephone per 10,000 sq. ft. of building area.  
B. Provide one (1) public telephone per 10,000 sq. ft. of building area.  
C. Provide one (1) public telephone per 10,000 sq. ft. of building area.  
D. Provide one (1) public telephone per 10,000 sq. ft. of building area.

4.3.2 - SEATING AND TABLES  
MS SECTION 4.3.2(1) - 4.3.2(4) - REFER APPLICABLE  
A. Provide one (1) seat per 10,000 sq. ft. of building area.  
B. Provide one (1) seat per 10,000 sq. ft. of building area.  
C. Provide one (1) seat per 10,000 sq. ft. of building area.  
D. Provide one (1) seat per 10,000 sq. ft. of building area.

4.3.3 - ACCESSIBLE AND FIXTURES  
MS SECTION 4.3.3(1) - 4.3.3(4) - REFER APPLICABLE  
A. Provide one (1) accessible fixture per 10,000 sq. ft. of building area.  
B. Provide one (1) accessible fixture per 10,000 sq. ft. of building area.  
C. Provide one (1) accessible fixture per 10,000 sq. ft. of building area.  
D. Provide one (1) accessible fixture per 10,000 sq. ft. of building area.

4.3.4 - SIGNAGE  
MS SECTION 4.3.4(1) - 4.3.4(4) - REFER APPLICABLE  
A. Provide one (1) sign per 10,000 sq. ft. of building area.  
B. Provide one (1) sign per 10,000 sq. ft. of building area.  
C. Provide one (1) sign per 10,000 sq. ft. of building area.  
D. Provide one (1) sign per 10,000 sq. ft. of building area.

4.3.5 - LIGHTING  
MS SECTION 4.3.5(1) - 4.3.5(4) - REFER APPLICABLE  
A. Provide one (1) light fixture per 10,000 sq. ft. of building area.  
B. Provide one (1) light fixture per 10,000 sq. ft. of building area.  
C. Provide one (1) light fixture per 10,000 sq. ft. of building area.  
D. Provide one (1) light fixture per 10,000 sq. ft. of building area.

4.3.6 - FLOORING  
MS SECTION 4.3.6(1) - 4.3.6(4) - REFER APPLICABLE  
A. Provide one (1) floor covering per 10,000 sq. ft. of building area.  
B. Provide one (1) floor covering per 10,000 sq. ft. of building area.  
C. Provide one (1) floor covering per 10,000 sq. ft. of building area.  
D. Provide one (1) floor covering per 10,000 sq. ft. of building area.

4.3.7 - WALLS  
MS SECTION 4.3.7(1) - 4.3.7(4) - REFER APPLICABLE  
A. Provide one (1) wall per 10,000 sq. ft. of building area.  
B. Provide one (1) wall per 10,000 sq. ft. of building area.  
C. Provide one (1) wall per 10,000 sq. ft. of building area.  
D. Provide one (1) wall per 10,000 sq. ft. of building area.

4.3.8 - CEILING  
MS SECTION 4.3.8(1) - 4.3.8(4) - REFER APPLICABLE  
A. Provide one (1) ceiling per 10,000 sq. ft. of building area.  
B. Provide one (1) ceiling per 10,000 sq. ft. of building area.  
C. Provide one (1) ceiling per 10,000 sq. ft. of building area.  
D. Provide one (1) ceiling per 10,000 sq. ft. of building area.

4.3.9 - DOORS  
MS SECTION 4.3.9(1) - 4.3.9(4) - REFER APPLICABLE  
A. Provide one (1) door per 10,000 sq. ft. of building area.  
B. Provide one (1) door per 10,000 sq. ft. of building area.  
C. Provide one (1) door per 10,000 sq. ft. of building area.  
D. Provide one (1) door per 10,000 sq. ft. of building area.

4.3.10 - WINDOWS  
MS SECTION 4.3.10(1) - 4.3.10(4) - REFER APPLICABLE  
A. Provide one (1) window per 10,000 sq. ft. of building area.  
B. Provide one (1) window per 10,000 sq. ft. of building area.  
C. Provide one (1) window per 10,000 sq. ft. of building area.  
D. Provide one (1) window per 10,000 sq. ft. of building area.

4.3.11 - GLAZING  
MS SECTION 4.3.11(1) - 4.3.11(4) - REFER APPLICABLE  
A. Provide one (1) glazing per 10,000 sq. ft. of building area.  
B. Provide one (1) glazing per 10,000 sq. ft. of building area.  
C. Provide one (1) glazing per 10,000 sq. ft. of building area.  
D. Provide one (1) glazing per 10,000 sq. ft. of building area.

4.3.12 - PARTITIONS  
MS SECTION 4.3.12(1) - 4.3.12(4) - REFER APPLICABLE  
A. Provide one (1) partition per 10,000 sq. ft. of building area.  
B. Provide one (1) partition per 10,000 sq. ft. of building area.  
C. Provide one (1) partition per 10,000 sq. ft. of building area.  
D. Provide one (1) partition per 10,000 sq. ft. of building area.

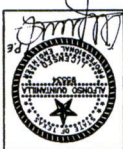
4.3.13 - CASES  
MS SECTION 4.3.13(1) - 4.3.13(4) - REFER APPLICABLE  
A. Provide one (1) case per 10,000 sq. ft. of building area.  
B. Provide one (1) case per 10,000 sq. ft. of building area.  
C. Provide one (1) case per 10,000 sq. ft. of building area.  
D. Provide one (1) case per 10,000 sq. ft. of building area.

4.3.14 - CABINETS  
MS SECTION 4.3.14(1) - 4.3.14(4) - REFER APPLICABLE  
A. Provide one (1) cabinet per 10,000 sq. ft. of building area.  
B. Provide one (1) cabinet per 10,000 sq. ft. of building area.  
C. Provide one (1) cabinet per 10,000 sq. ft. of building area.  
D. Provide one (1) cabinet per 10,000 sq. ft. of building area.

4.3.15 - ISLANDS  
MS SECTION 4.3.15(1) - 4.3.15(4) - REFER APPLICABLE  
A. Provide one (1) island per 10,000 sq. ft. of building area.  
B. Provide one (1) island per 10,000 sq. ft. of building area.  
C. Provide one (1) island per 10,000 sq. ft. of building area.  
D. Provide one (1) island per 10,000 sq. ft. of building area.

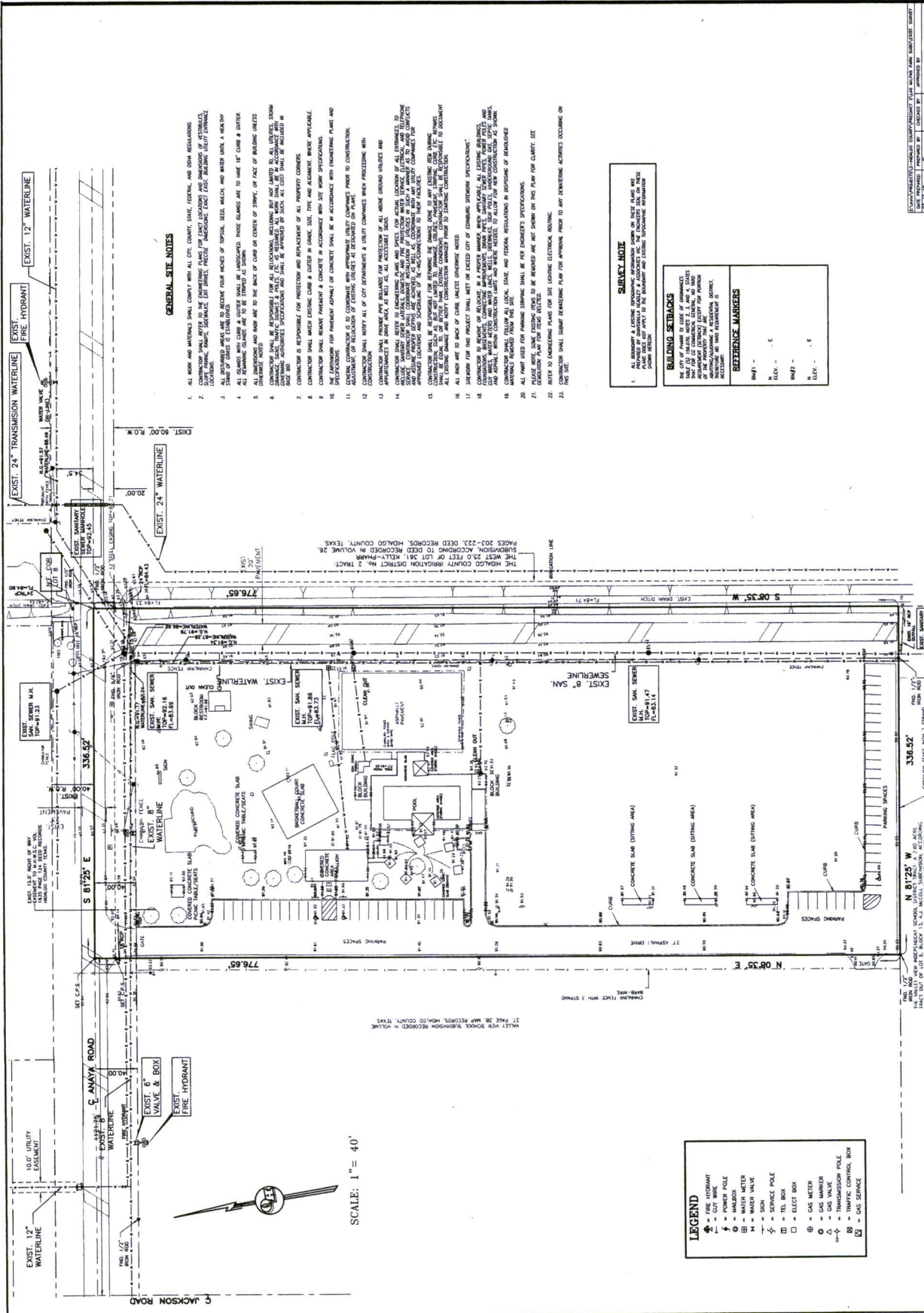


# LAS MILPAS YOUTH PARK FACILITY SUBDIVISION EXISTING TOPOGRAPHIC PLAN AND GENERAL NOTES



**QUINTANILLA, HEADLEY AND ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 LAND SURVEYORS  
 124 E. STUBBS ST.  
 DALLAS, TEXAS 75239  
 ENGINEERING REGISTRATION NUMBER 100411-00  
 ALFONSO@QHA-ENG.COM  
 FAX 956-381-0927  
 PHONE 956-381-6460

SHEET	
DRAWN BY	ML
SCALE	1"=40'
REVISION	
DATE	12-13-18
JOB NO.	



### GENERAL SITE NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY, COUNTY, STATE, FEDERAL, AND OTHER REGULATIONS.
2. CONTRACTOR SHALL REFER TO THE ENGINEERING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND SURFACES. LOCATIONS SHALL BE VERIFIED BY FIELD SURVEY PRIOR TO CONSTRUCTION.
3. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE SPECIFIED. EXISTING UTILITIES SHALL BE PROTECTED AND MAINTAINED AT ALL TIMES.
4. ALL EXISTING UTILITIES ARE TO BE DEEPER AS SHOWN.
5. ALL EXISTING UTILITIES ARE TO BE DEEPER AS SHOWN.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM SEWER, SANITARY SEWER, AND WATER LINES. ALL RELOCATIONS SHALL BE SHOWN ON THE PLANS AND SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
7. CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REPAIRS OF ALL EXISTING UTILITIES.
8. CONTRACTOR SHALL MAINTAIN EXISTING CURBS, SIDEWALKS, DRIVEWAYS, AND DRIVEWAYS.
9. CONTRACTOR SHALL MAINTAIN EXISTING CURBS, SIDEWALKS, DRIVEWAYS, AND DRIVEWAYS.
10. CONTRACTOR SHALL MAINTAIN EXISTING CURBS, SIDEWALKS, DRIVEWAYS, AND DRIVEWAYS.
11. CONTRACTOR SHALL MAINTAIN EXISTING CURBS, SIDEWALKS, DRIVEWAYS, AND DRIVEWAYS.
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22. CONTRACTOR SHALL MAINTAIN EXISTING CURBS, SIDEWALKS, DRIVEWAYS, AND DRIVEWAYS.
23. CONTRACTOR SHALL MAINTAIN EXISTING CURBS, SIDEWALKS, DRIVEWAYS, AND DRIVEWAYS.

### SURVEY NOTE

1. ALL DIMENSIONS ARE GIVEN UNLESS OTHERWISE SPECIFIED. DIMENSIONS SHALL BE TO THE CENTER OF THE LINE UNLESS OTHERWISE SPECIFIED.

### BUILDING SETBACKS

THE CITY OF DALLAS IS THE OWNER OF THE PROPERTY. THE CITY OF DALLAS HAS REVIEWED THE PLANS AND HAS APPROVED THE PLANS FOR THE CITY OF DALLAS. THE CITY OF DALLAS IS NOT RESPONSIBLE FOR THE ACCURACY OF THE PLANS OR THE RESULTS OF THE SURVEY.

### REFERENCE MARKERS

BM 1	1
BM 2	2
BM 3	3
BM 4	4
BM 5	5
BM 6	6
BM 7	7
BM 8	8
BM 9	9
BM 10	10
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BM 99	99
BM 100	100

### LEGEND

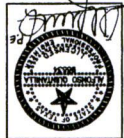
○	EXIST. HYDRANT
●	EXIST. WIRE
⊕	POWER POLE
⊙	WATER METER
⊗	WATER VALVE
⊘	SEWER
⊚	SERVICE POLE
⊛	TEL. BOX
⊜	GAS METER
⊝	GAS MARKER
⊞	TRANSMISSION POLE
⊠	TRAFFIC CONTROL BOX
⊡	GAS SERVICE

SCALE: 1" = 40'

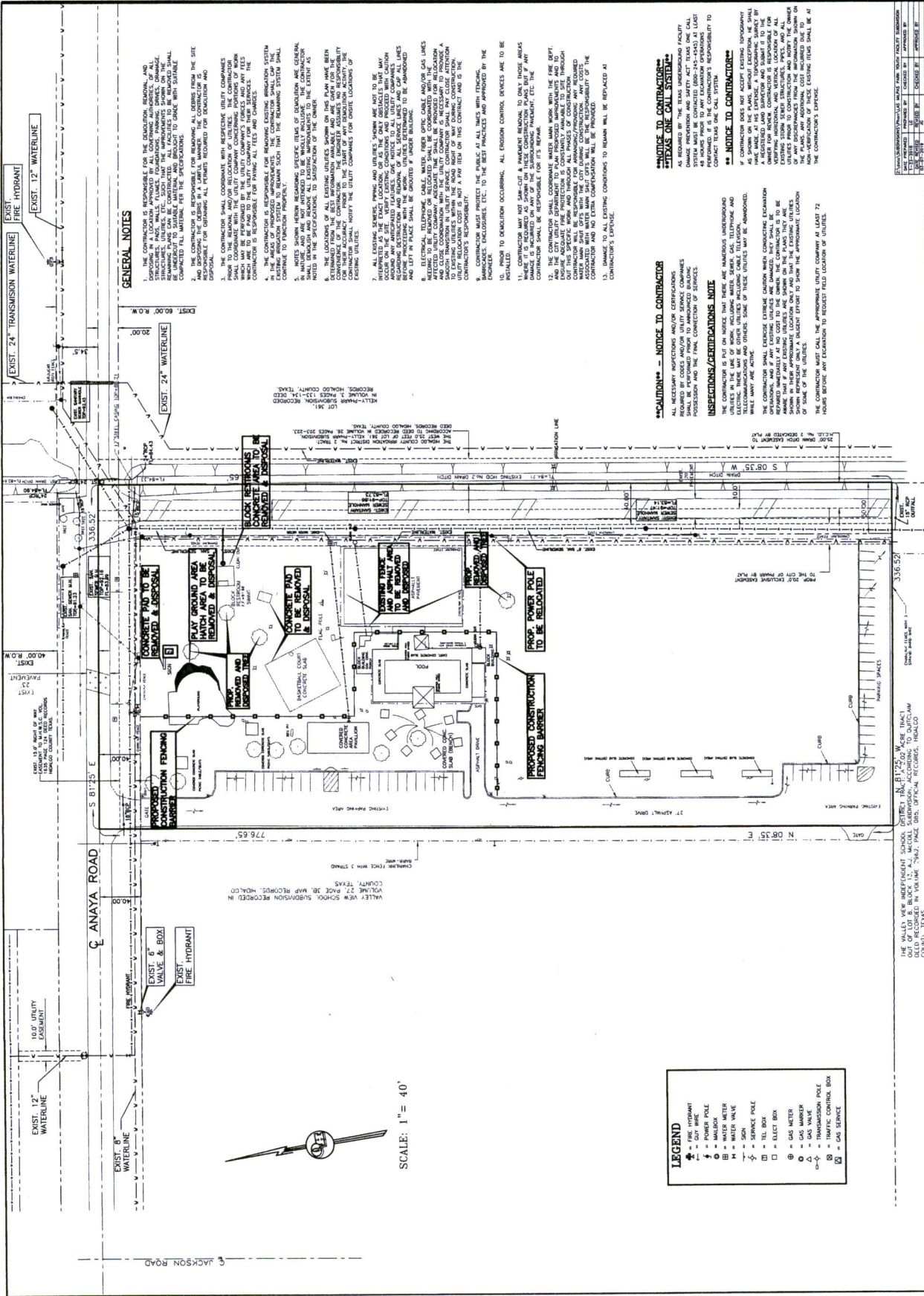
THE CITY OF DALLAS IS THE OWNER OF THE PROPERTY. THE CITY OF DALLAS HAS REVIEWED THE PLANS AND HAS APPROVED THE PLANS FOR THE CITY OF DALLAS. THE CITY OF DALLAS IS NOT RESPONSIBLE FOR THE ACCURACY OF THE PLANS OR THE RESULTS OF THE SURVEY.

SHEET NO. \_\_\_\_\_  
 DRAWN BY: LC  
 SCALE: 1"=40'  
 REVISION: \_\_\_\_\_  
 DATE: 1-23-2018  
 JOB NO. \_\_\_\_\_

# LAS MILPAS YOUTH PARK FACILITY SUBDIVISION DEMOLITION PLAN



**QUINTANILLA, HEADLEY & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 LAND SURVEYORS  
 ALFONSO@QHA-ENG.COM  
 FAX 956-381-0527  
 PHONE 956-381-0520  
 ENGINEERING REGISTRATION NUMBER 100411-00  
 EXPIRES 12-31-2018  
 STATE OF TEXAS



### GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL, REPAIR, AND DISPOSAL IN A LOCATION APPROVED BY ALL CONCERNING AGENCIES, OF ALL STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THIS PLAN BE COMPLETED TO SATISFACTORY STANDARDS AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL, PER THE SPECIFICATIONS.
2. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL OF DEBRIS FROM THE CITY OF LAS MILPAS.
3. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES AND OBTAIN ALL NECESSARY INFORMATION CONCERNING THE LOCATION AND DEPTH OF ALL UTILITIES WHICH ARE TO BE REMOVED OR RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY INFORMATION CONCERNING THE LOCATION AND DEPTH OF ALL UTILITIES WHICH ARE TO BE REMOVED OR RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
5. NOTES SHOWN HEREON REGARDING SPECIFIC ITEMS OF DEMOLITION ARE GENERAL IN NATURE AND ARE NOT INTENDED TO BE EXHAUSTIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION CONCERNING THE LOCATION AND DEPTH OF ALL UTILITIES WHICH ARE TO BE REMOVED OR RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
6. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY INFORMATION CONCERNING THE LOCATION AND DEPTH OF ALL UTILITIES WHICH ARE TO BE REMOVED OR RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
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9. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY INFORMATION CONCERNING THE LOCATION AND DEPTH OF ALL UTILITIES WHICH ARE TO BE REMOVED OR RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
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12. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY INFORMATION CONCERNING THE LOCATION AND DEPTH OF ALL UTILITIES WHICH ARE TO BE REMOVED OR RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
13. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

**NOTICE TO CONTRACTOR**  
 ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS SHALL BE PERFORMED PRIOR TO APPROVED DEMOLITION AND THE FINAL CONNECTION OF SERVICES.

**INSECTIONS/CERTIFICATIONS NOTE**  
 THE CONTRACTOR IS PUT ON NOTICE THAT THERE ARE NUMEROUS UNDERGROUND UTILITIES IN THE USE OF WORK INCLUDING WATER, SEWER, GAS, TELEPHONE AND CABLE TELEVISION AND OTHERS. SOME OF THESE UTILITIES MAY BE DAMAGED, DISRUPTED, OR DESTROYED BY THE DEMOLITION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND FOR REPAIRING OR REPLACING ANY UTILITIES DAMAGED BY THE DEMOLITION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION CONCERNING THE LOCATION AND DEPTH OF ALL UTILITIES WHICH ARE TO BE REMOVED OR RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.

**NOTICE TO CONTRACTOR**  
 AS SHOWN ON THIS PLAN, WITHOUT EXCEPTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION CONCERNING THE LOCATION AND DEPTH OF ALL UTILITIES WHICH ARE TO BE REMOVED OR RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.

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LEGEND	
(Symbol)	FIRE HYDRANT
(Symbol)	GUY WIRE
(Symbol)	POWER POLE
(Symbol)	WATER METER
(Symbol)	WATER VALVE
(Symbol)	SEWER
(Symbol)	SEWER POLE
(Symbol)	ELECT. BOX
(Symbol)	GAS METER
(Symbol)	GAS VALVE
(Symbol)	TRANSMISSION POLE
(Symbol)	TRAFFIC CONTROL BOX
(Symbol)	GAS SERVICE

THE VALLEY VIEW INDEPENDENT SCHOOL DISTRICT HAS 17.70 ACRES WHERE TRACT 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

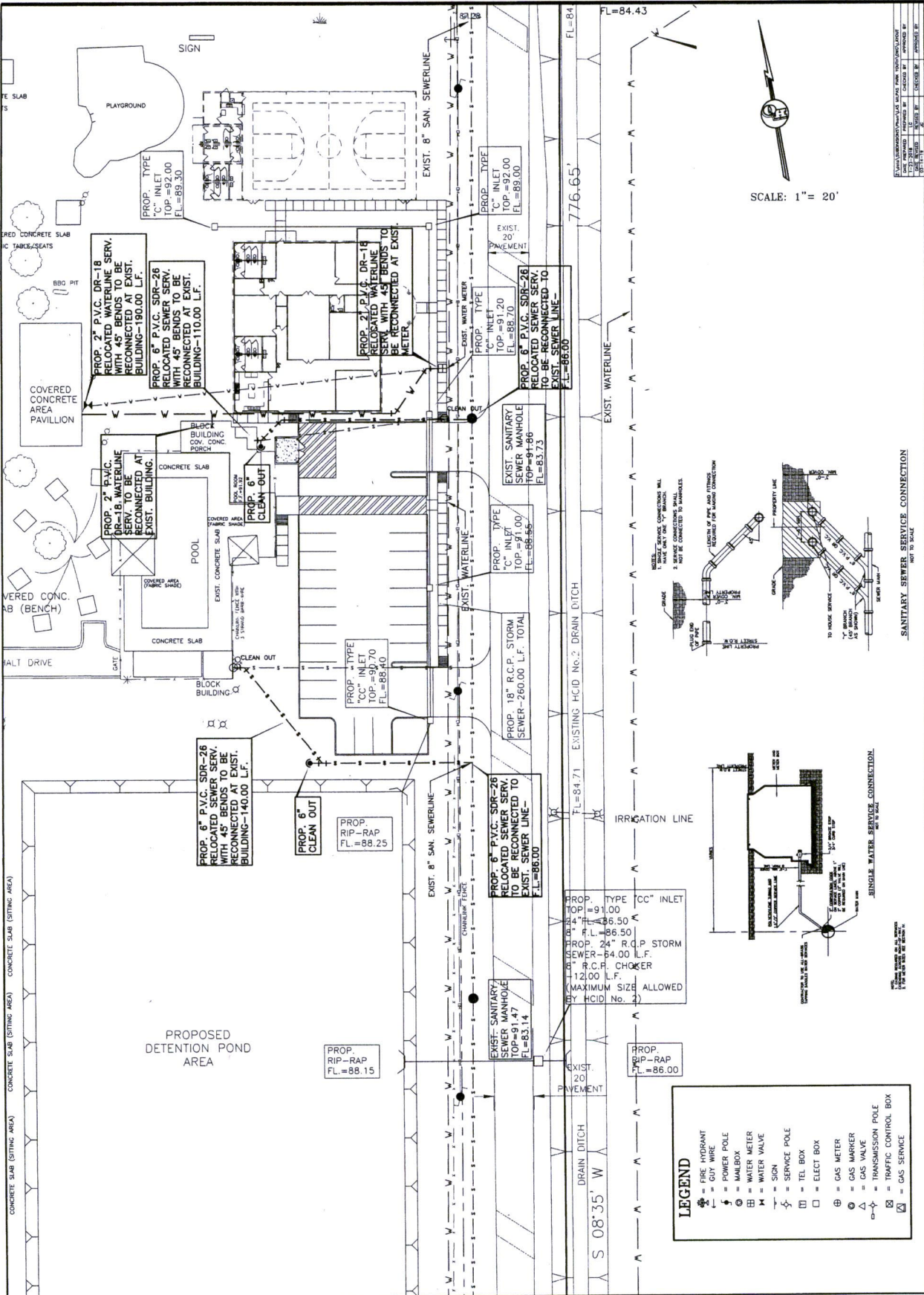


DATE: 03-23-2018  
 DRAWN BY: LB  
 CHECKED BY: 1287  
 REVISION:  
 PROJECT NO. 18-000000

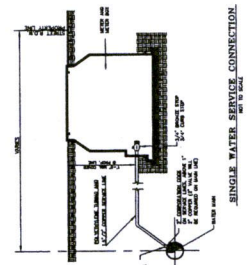
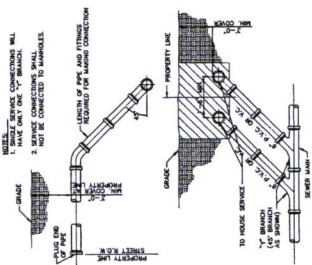
# LAS MILPAS PARK YOUTH FACILITY SUBDIVISION PARKING LOT AREA UTILITY RELOCATION



**QUINTANILLA, HEADLEY AND ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 LAND SURVEYORS  
 OFFICE: HOUSTON, TEXAS 77056  
 PHONE: 281-480-9527  
 FAX: 281-480-9528  
 ENGINEERING REGISTRATION NUMBER: F-1513  
 SURVEYING REGISTRATION NUMBER: 10441-00



SCALE: 1" = 20'



- LEGEND**
- ⊕ = FIRE HYDRANT
  - ⊖ = GUY WIRE
  - ⊙ = POWER POLE
  - ⊙ = MANHOLE
  - ⊙ = WATER METER
  - ⊙ = WATER VALVE
  - ⊙ = SIGN
  - ⊙ = SERVICE POLE
  - ⊙ = TEL. BOX
  - ⊙ = ELECT. BOX
  - ⊙ = GAS METER
  - ⊙ = GAS MARKER
  - ⊙ = GAS VALVE
  - ⊙ = TRANSMISSION POLE
  - ⊙ = TRAFFIC CONTROL BOX
  - ⊙ = GAS SERVICE

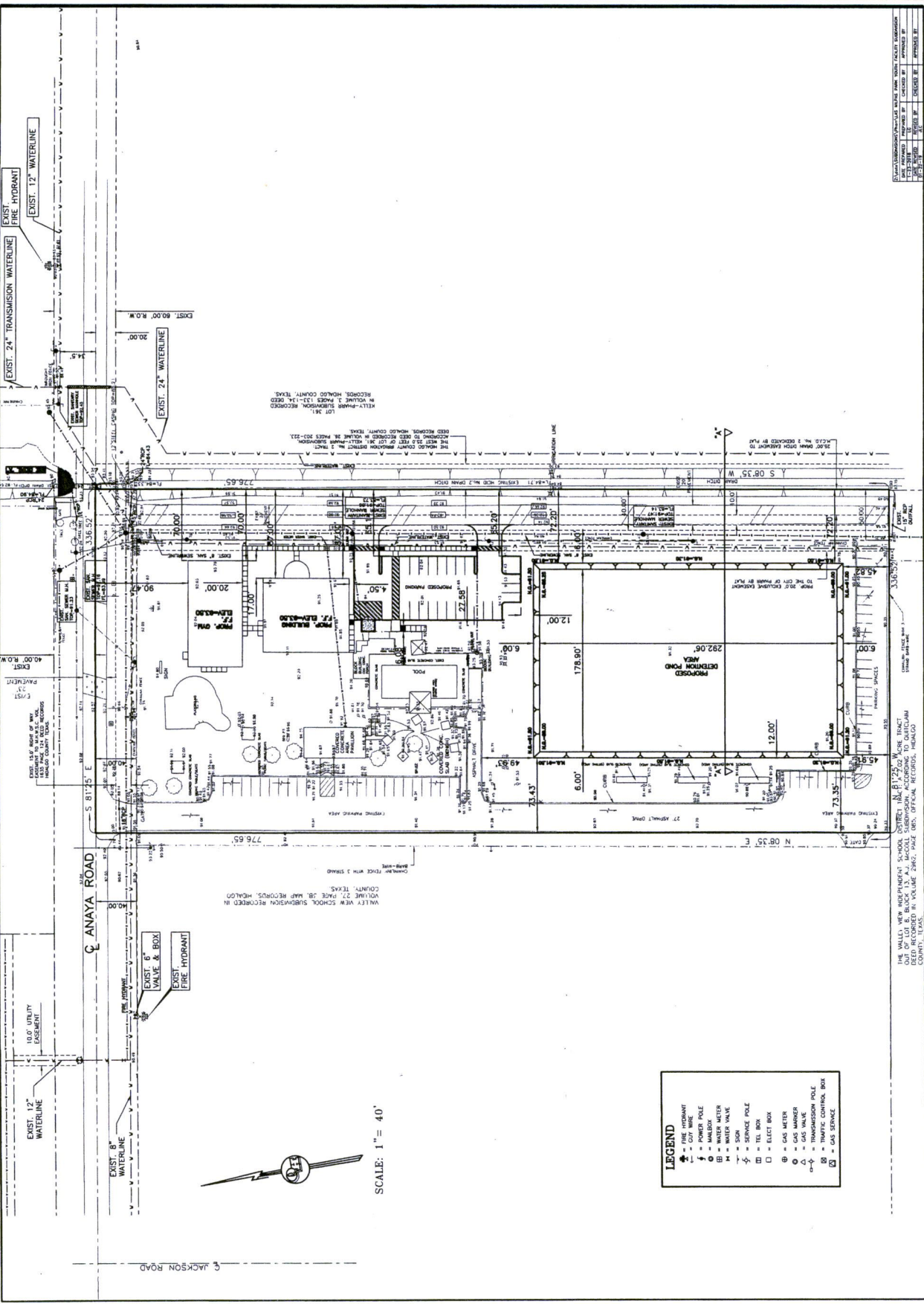
LAS MILPAS PARK YOUTH FACILITY SUBDIVISION, PARKING LOT AREA, UTILITY RELOCATION  
 DATE: 03-23-2018  
 DRAWN BY: LB  
 CHECKED BY: 1287  
 REVISION:  
 PROJECT NO. 18-000000  
 SANITARY SEWER SERVICE CONNECTION  
 DATE: 03-23-2018

SHEET NO. \_\_\_\_\_  
 DRAWN BY: LS  
 SCALE: 1"=40'  
 REVISION: 01-23-01B  
 DATE: 1-23-01B  
 JOB NO. \_\_\_\_\_

# LAS MILPAS YOUTH PARK FACILITY SUBDIVISION AND SITE IMPROVEMENTS AND DETENTION POND PLAN



**QUINTANILLA, HEADLEY AND ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 LAND SURVEYORS  
 124 E. STUBBS ST.  
 ENHART, TEXAS 76533  
 ENGINEERING REGISTRATION NUMBER 2-1513  
 ALTONS@QBWA-ENG.COM  
 FAX 956-281-6527  
 PHONE 956-281-6480



LEGEND	
⊕	EXIST. HYDRANT
⊕	POWER POLE
⊕	WATER METER
⊕	WATER VALVE
⊕	SEWER
⊕	SERVICE POLE
⊕	TEL. BOX
⊕	EXIST. BOX
⊕	GAS METER
⊕	GAS WALKER
⊕	GAS VALVE
⊕	TRANSMISSION POLE
⊕	TRANSMISSION TOWER
⊕	GAS SERVICE

SCALE: 1" = 40'



THE WALLS, NEW INDEPENDENT SCHOOL DISTRICT, TRACT 13, 13.25 ACRES TRACT 13A, DEED RECORDED IN VOLUME 2486, PAGE 600, OFFICIAL RECORDS, HENNING COUNTY, TEXAS

THE WALLS, NEW INDEPENDENT SCHOOL DISTRICT, TRACT 13, 13.25 ACRES TRACT 13A, DEED RECORDED IN VOLUME 2486, PAGE 600, OFFICIAL RECORDS, HENNING COUNTY, TEXAS



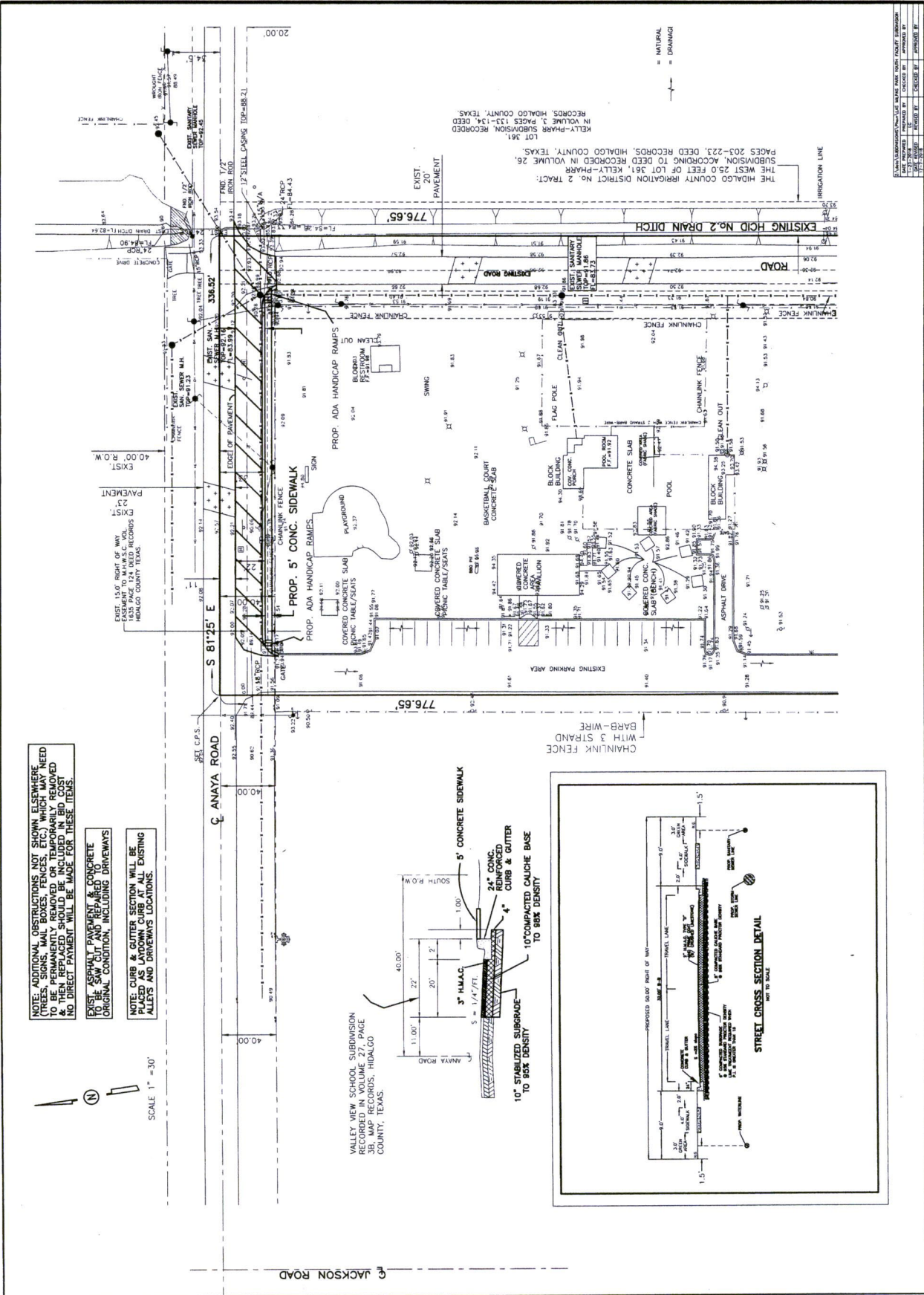


SHEET: \_\_\_\_\_  
 DRAWN BY: LT  
 SCALE: 1"=30'  
 REGION:  
 DATE: 11-23-2018  
 JOB NO.:

# LAS MIRAS YOUTH PARK FACILITY SUBDIVISION ANAYA ROAD WIDENING NO BID ITEM



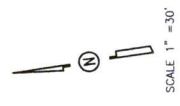
**QUINTANILLA, HEADLEY AND ASSOCIATES, INC.**  
**LAND SURVEYORS**  
 CONSULTING ENGINEERS  
 ENGINEERING REGISTRATION NUMBER: 10441-00  
 124 E. STUBBS ST.  
 EDINBURG, TEXAS 77532  
 PHONE: 956-281-8490  
 FAX: 956-281-0527  
 OFFICE@HENGINEERING.COM



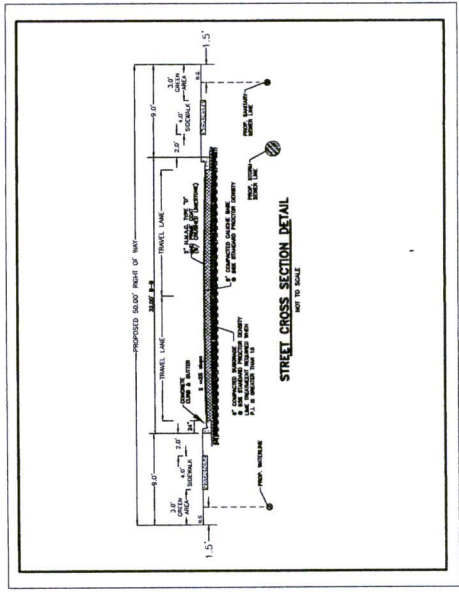
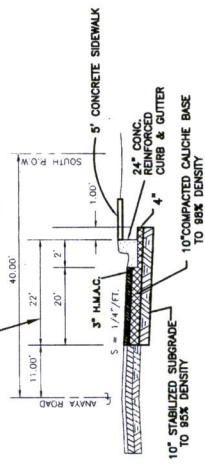
NOTE: ADDITIONAL OBSERVATIONS NOT SHOWN ELSEWHERE  
 HAVE BEEN MADE. ANY CHANGES TO THE PLAN WHICH  
 NEED TO BE PERMANENTLY REMOVED OR TEMPORARILY REMOVED  
 & THEN REPLACED SHOULD BE INCLUDED IN BID COST  
 NO DIRECT PAYMENT WILL BE MADE FOR THESE ITEMS.

EXIST. ASPHALT PAVEMENT & CONCRETE  
 TO BE SAW CUT AND REPAIRED TO  
 ORIGINAL CONDITION, INCLUDING DRIVEWAYS

NOTE: CURB & GUTTER SECTION WILL BE  
 PLACED AND FINISHED TO MATCH ALL EXISTING  
 ALLEYS AND DRIVEWAY LOCATIONS.



VALLEY VIEW SCHOOL SUBDIVISION  
 RECORDED IN VOLUME 27, PAGE  
 3B, MAP RECORDS, HIDALGO  
 COUNTY, TEXAS.



THE WEST 25.0 FEET OF LOT 361, KELLY-PHARR  
 IRRIGATION DISTRICT NO. 2 TRACT;  
 THE WEST 25.0 FEET OF LOT 361, KELLY-PHARR  
 IRRIGATION DISTRICT NO. 2 TRACT;  
 PAGES 203-223, DEED RECORDS, HIDALGO COUNTY, TEXAS.  
 SUBDIVISION RECORDING TO DEED RECORDS IN VOLUME 26,  
 IN VOLUME 3, PAGES 131-134, DEED  
 RECORDS, HIDALGO COUNTY, TEXAS.  
 LOT 361  
 KELLY-PHARR SUBDIVISION, RECORDED  
 IN VOLUME 3, PAGES 131-134, DEED  
 RECORDS, HIDALGO COUNTY, TEXAS.

DESIGNED BY	QUINTANILLA, HEADLEY AND ASSOCIATES, INC.
CHECKED BY	ALAN J. QUINLAN
DATE	11-23-2018
PROJECT NO.	18-001
SHEET NO.	1



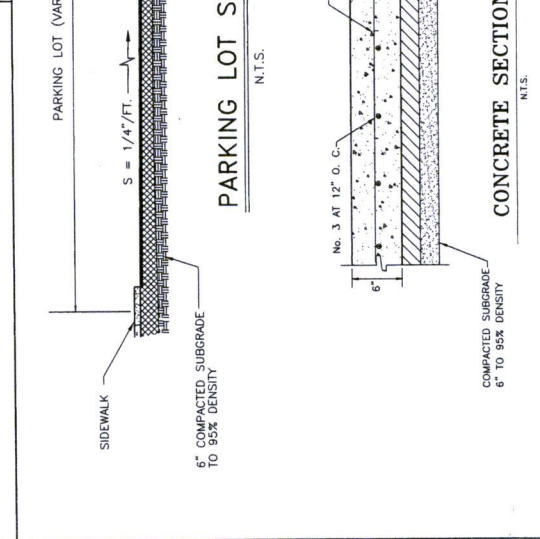
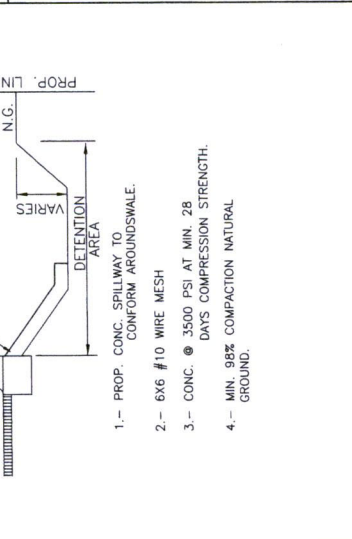
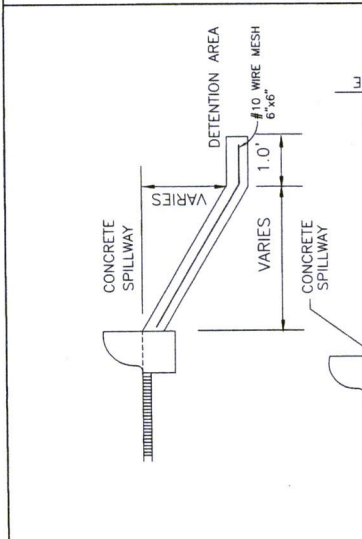
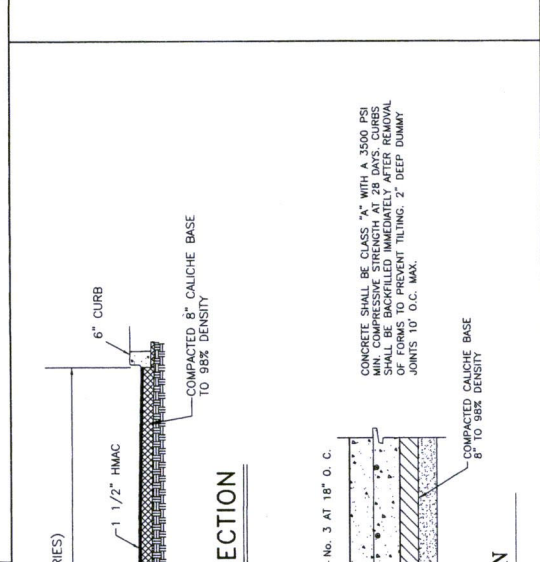
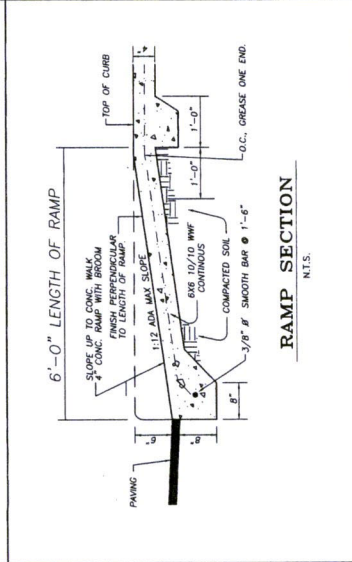
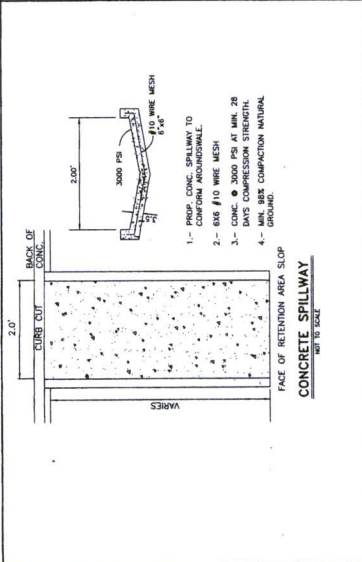
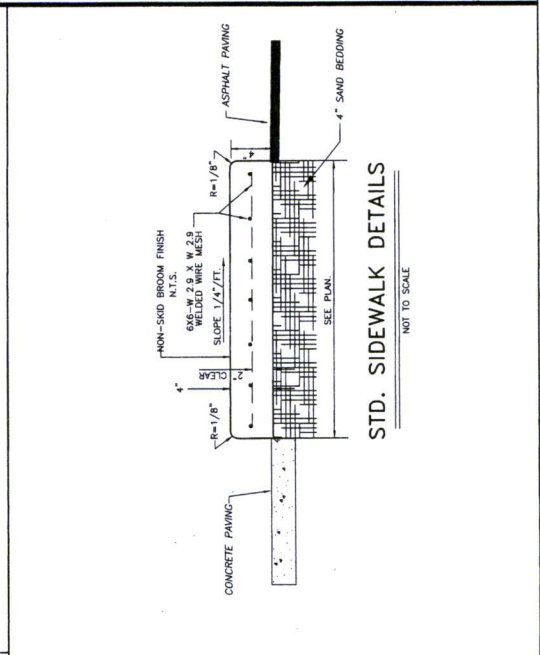
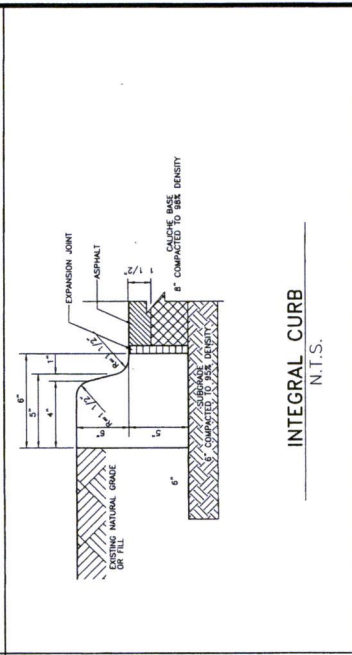
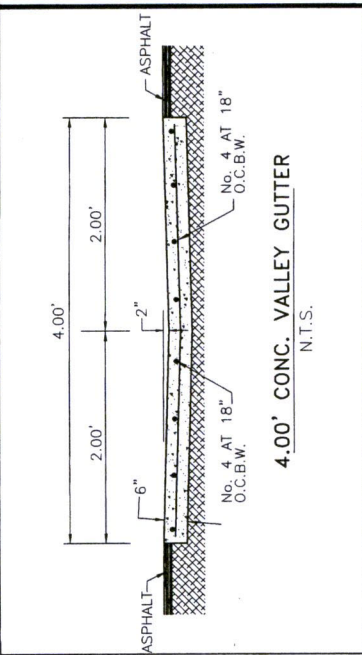


NO. 01-20-2018
DATE
REVISION
SCALE
DRAWN BY
SHEET

**LAS MILPAS  
PARK YOUTH  
FACILITY SUBDIVISION  
PROPOSED PAVING AND  
DRAINAGE DETAILS**

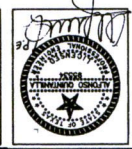


**QUINTANILLA, HEADLEY AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
LAND SURVEYORS  
124 E. STUBBS ST.  
ENHURNO, TEXAS 76039  
PHONE 958-351-6485  
FAX 958-351-0272  
SURVEYING REGISTRATION NUMBER 100411-00  
ENGINEERING REGISTRATION NUMBER 12411-00

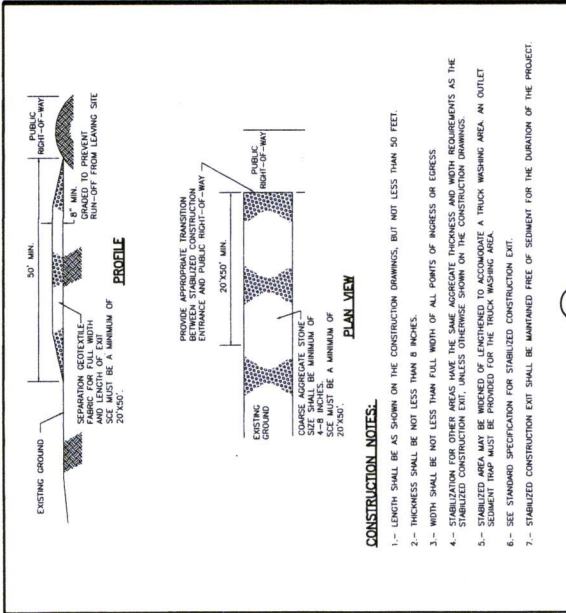




# LAS MILPAS YOUTH PARK FACILITY SUBDIVISION EROSION CONTROL PLAN AND POLLUTION PREVENTION

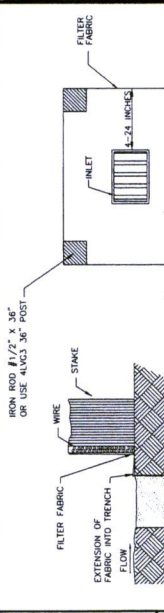


**CONSULTING ENGINEERS**  
 QUINTANILLA, HEADLEY AND ASSOCIATES, INC.  
 124 E. STUBBS ST.  
 DALLAS, TEXAS 75202  
 PHONE 956-281-6480  
 FAX 956-281-0237  
 ALFONSO@QHA-ENG.COM

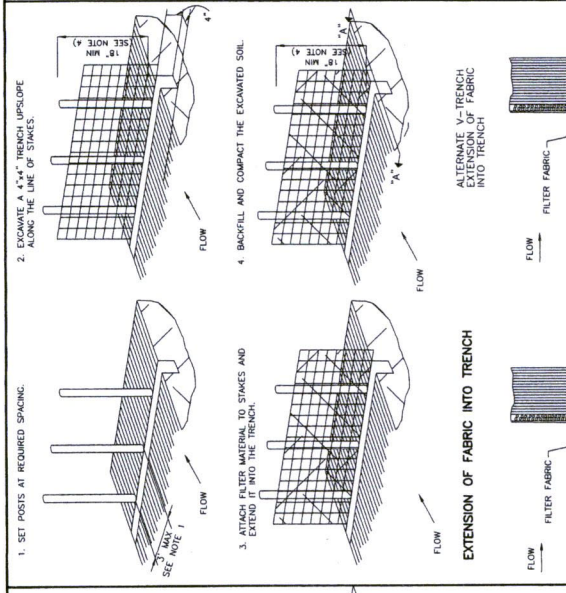
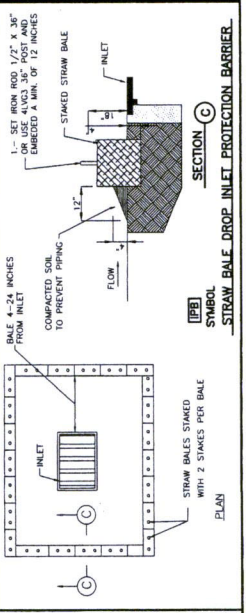


**CONSTRUCTION NOTES:**

- 1.- LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
- 2.- THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
- 3.- WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- 4.- STABILIZATION FOR OTHER AREAS HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
- 5.- STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A TRUCK WASHING AREA, AN OUTLET SUBJECT THEY MUST BE PROVIDED FOR THE TRUCK WASHING AREA.
- 6.- SEE STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION EXIT.
- 7.- STABILIZED CONSTRUCTION EXIT SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.

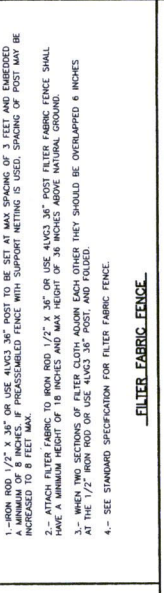


**CONSTRUCTION NOTE:**  
 1.- SEE CONSTRUCTION NOTES FOR REF.



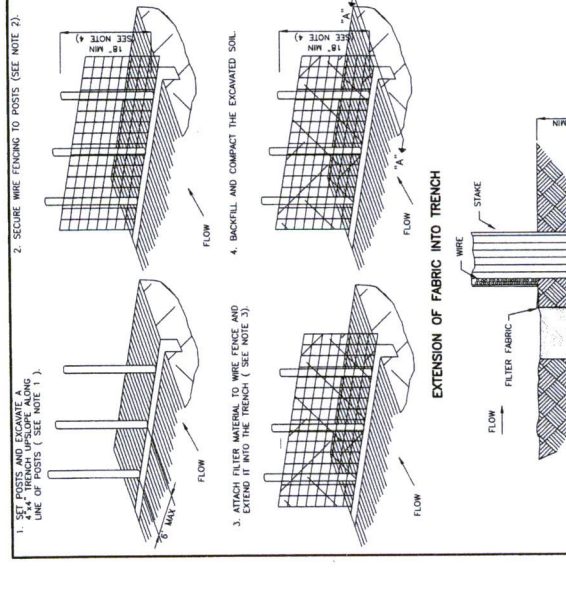
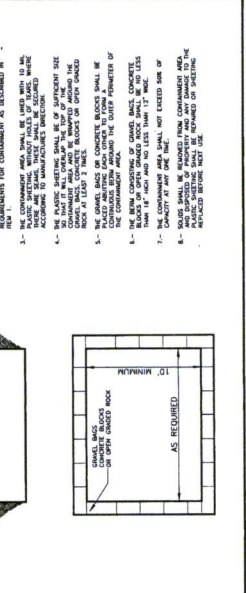
**CONSTRUCTION NOTES:**

- 1.- IRON ROD  $\#1/2$ \" x 36\" OR USE 4x1/3 3/8\" POST, SET AT MAX SPACING OF 3 FEET AND END SPACES INCREASED TO 6 FEET MAX.
- 2.- ATTACH FILTER FABRIC TO IRON ROD  $1/2$ \" x 36\" OR USE 4x1/3 3/8\" POST. FILTER FABRIC SHALL HAVE A MINIMUM HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
- 3.- WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE  $1/2$ \" IRON ROD OR USE 4x1/3 3/8\" POST, AND FOLDED.
- 4.- SEE STANDARD SPECIFICATION FOR FILTER FABRIC FENCE.



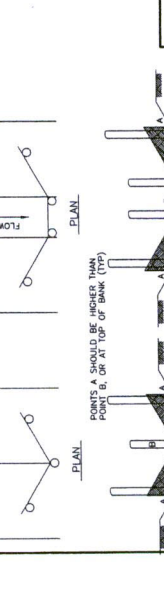
**WASHOUT DETAIL**

12\"/>



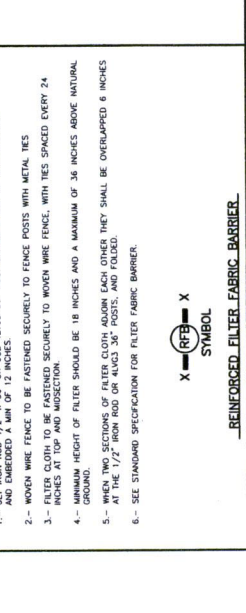
**CONSTRUCTION NOTES:**

- 1.- SET IRON ROD  $1/2$ \" x 36\" OR USE 4x1/3 3/8\" POST SPACED A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
- 2.- WOOD WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH METAL TIES.
- 3.- FILTER CLOTH TO BE FASTENED SECURELY TO WOOD WIRE FENCE, WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDDLE.
- 4.- MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
- 5.- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED 6 INCHES AT THE  $1/2$ \" IRON ROD OR 4x1/3 3/8\" POSTS, AND FOLDED.
- 6.- SEE STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.



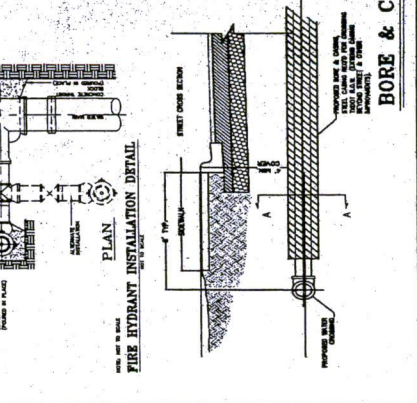
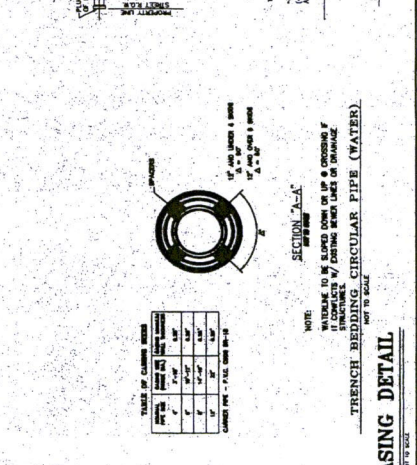
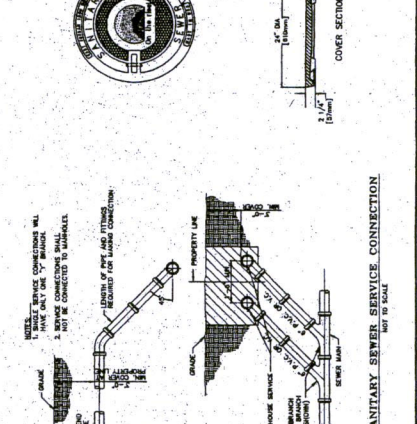
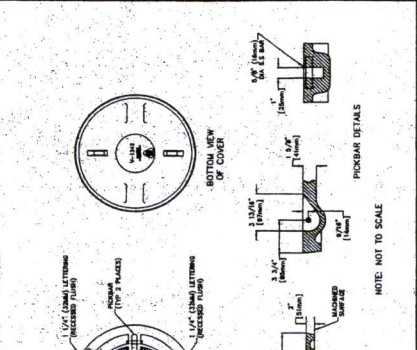
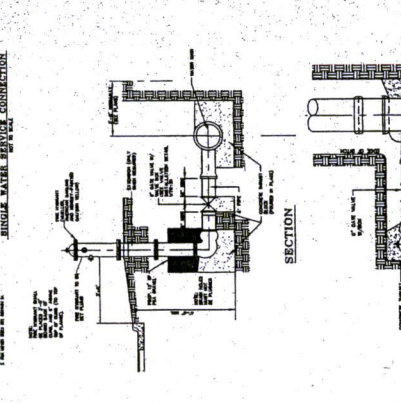
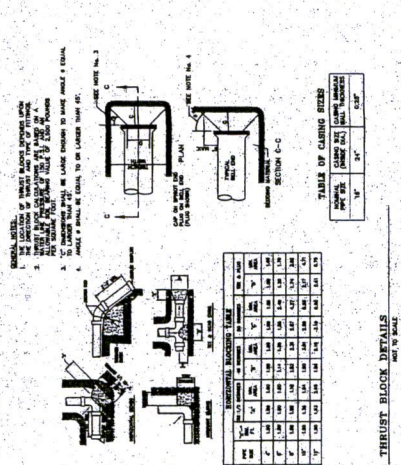
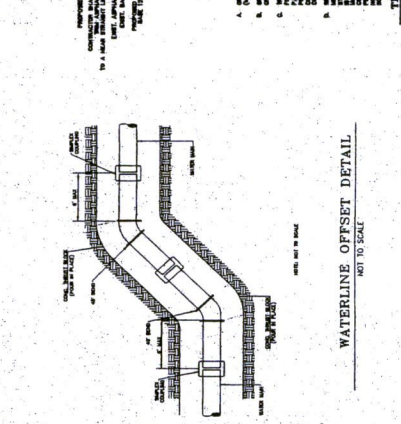
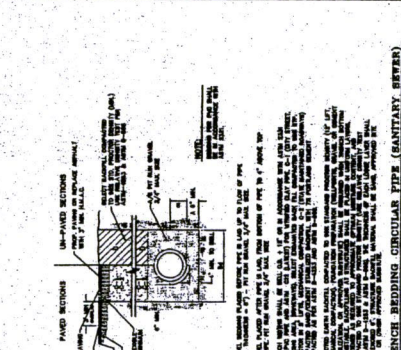
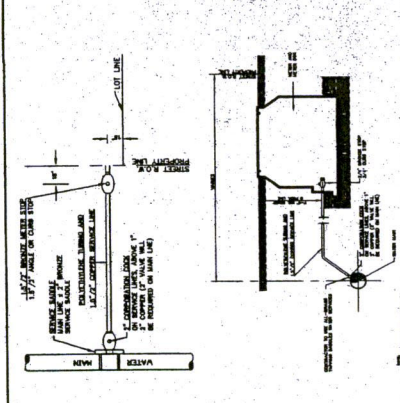
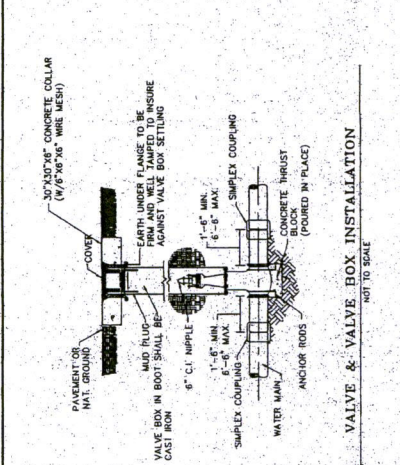
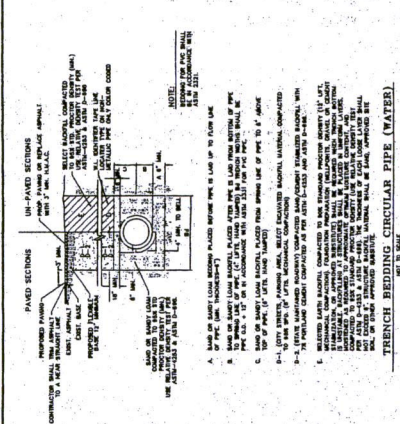
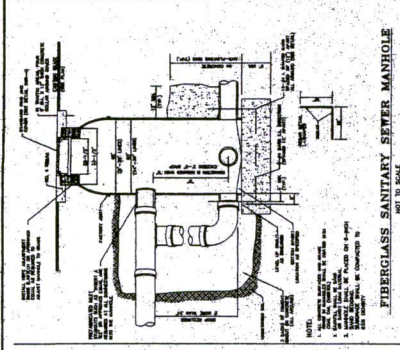
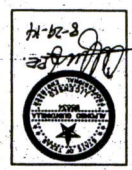
**CONSTRUCTION NOTES:**

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- 5.- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED 6 INCHES AT THE  $1/2$ \" IRON ROD OR 4x1/3 3/8\" POSTS, AND FOLDED.
- 6.- SEE STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.



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- 6.- SEE STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.



**GENERAL NOTES:**

- THE LOCATION OF SERVICE CONNECTIONS SHALL BE AS SHOWN ON THE DRAWINGS.
- ALL SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PHARR SPECIFICATIONS.
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**TABLE OF CASING SIZES**

PIPE SIZE	MIN. COVER	MIN. BURIED DEPTH	MIN. BURIED DEPTH
12"	18"	36"	48"
14"	24"	48"	60"
16"	30"	60"	72"
18"	36"	72"	84"
20"	42"	84"	96"
22"	48"	96"	108"
24"	54"	108"	120"
26"	60"	120"	132"
28"	66"	132"	144"
30"	72"	144"	156"
32"	78"	156"	168"
34"	84"	168"	180"
36"	90"	180"	192"
38"	96"	192"	204"
40"	102"	204"	216"
42"	108"	216"	228"
44"	114"	228"	240"
46"	120"	240"	252"
48"	126"	252"	264"
50"	132"	264"	276"
52"	138"	276"	288"
54"	144"	288"	300"
56"	150"	300"	312"
58"	156"	312"	324"
60"	162"	324"	336"
62"	168"	336"	348"
64"	174"	348"	360"
66"	180"	360"	372"
68"	186"	372"	384"
70"	192"	384"	396"
72"	198"	396"	408"
74"	204"	408"	420"
76"	210"	420"	432"
78"	216"	432"	444"
80"	222"	444"	456"
82"	228"	456"	468"
84"	234"	468"	480"
86"	240"	480"	492"
88"	246"	492"	504"
90"	252"	504"	516"
92"	258"	516"	528"
94"	264"	528"	540"
96"	270"	540"	552"
98"	276"	552"	564"
100"	282"	564"	576"

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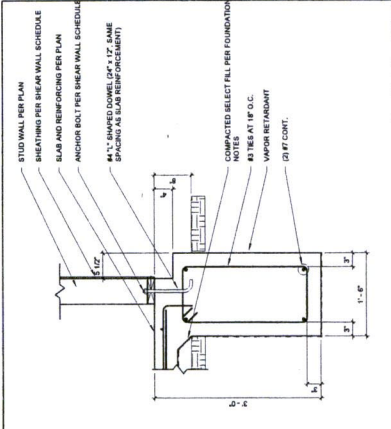






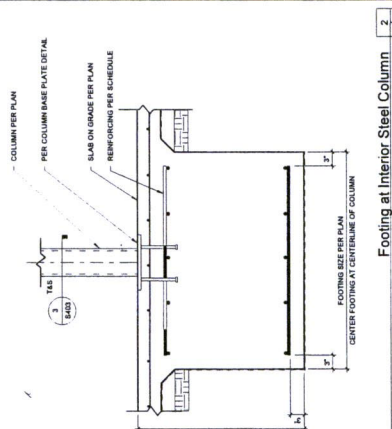






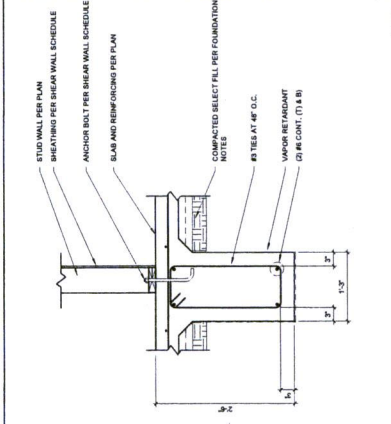
Footing at Exterior Stud Walls  
 1" = 1'-0"

1	1" = 1'-0"
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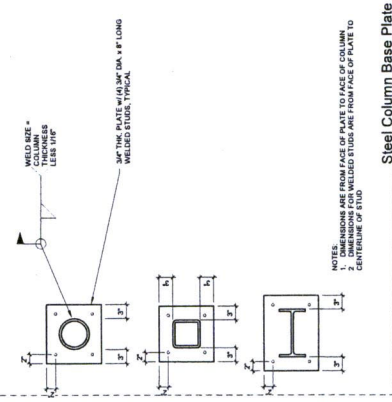
Footing at Interior Steel Column  
 1" = 1'-0"

2	1" = 1'-0"
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Footing Interior at Load Bearing Wall  
 1" = 1'-0"

4	1" = 1'-0"
---	------------

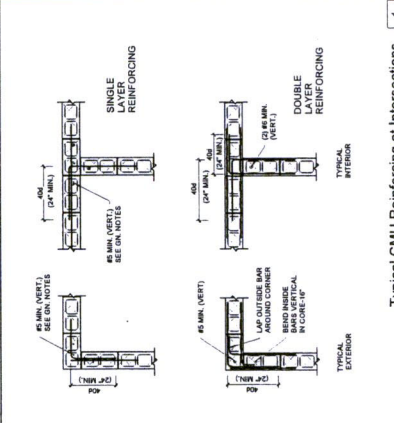


NOTES:  
 1. DIMENSIONS ARE FROM FACE OF PART TO FACE OF COLUMN.  
 2. DIMENSIONS ARE FROM FACE OF PART TO FACE OF PLATE TO CENTERLINE OF STUD.

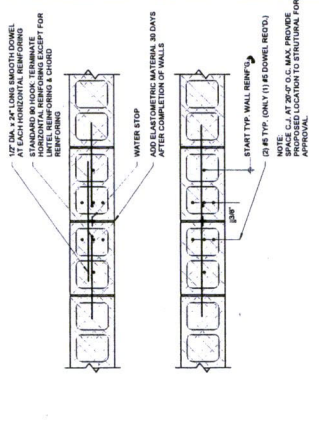
Steel Column Base Plate  
 1" = 1'-0"

3	1" = 1'-0"
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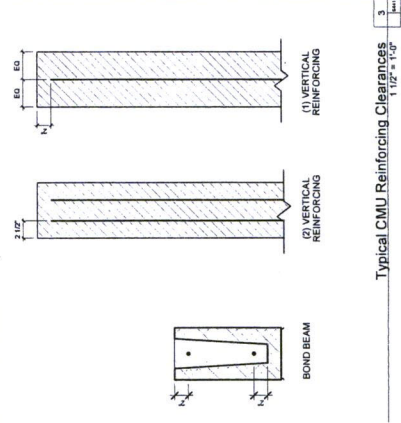
PROJECT NUMBER  
 1714  
 DATE  
 09/2018



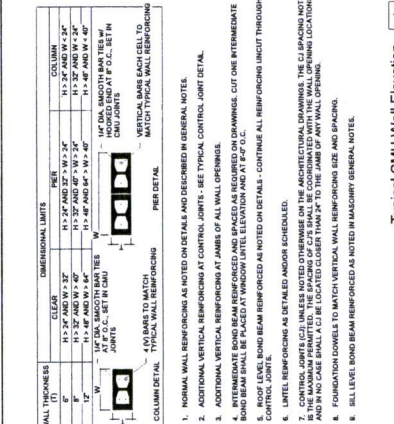
Typical CMU Reinforcing at Intersections  
 1/2" = 1'-0"



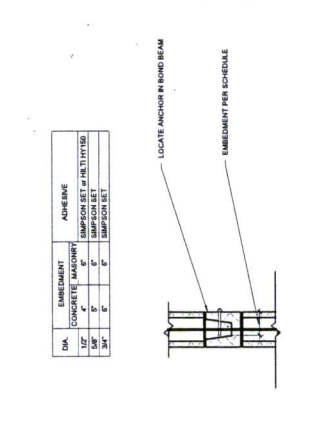
Typical CMU Control Joint  
 1/2" = 1'-0"



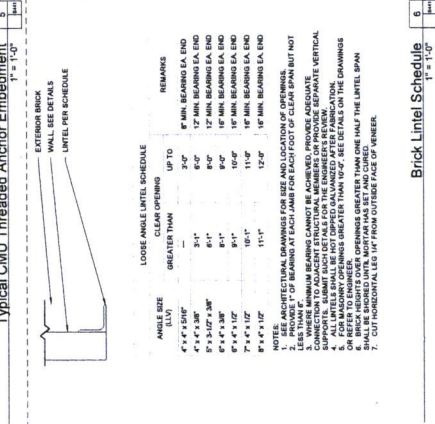
Typical CMU Reinforcing Clearances  
 1/2" = 1'-0"

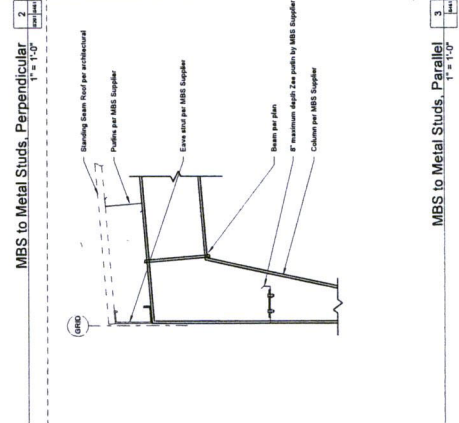
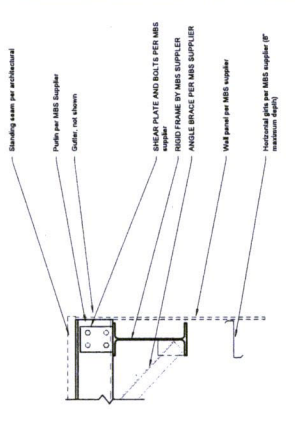
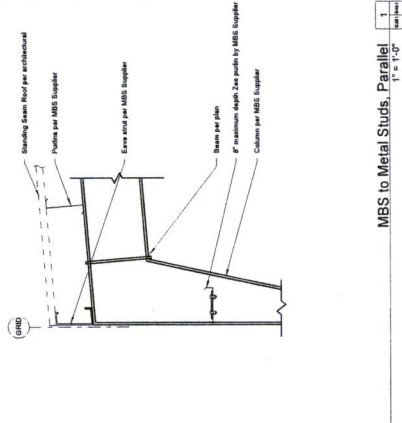


Typical CMU Wall Elevation  
 1" = 1'-0"



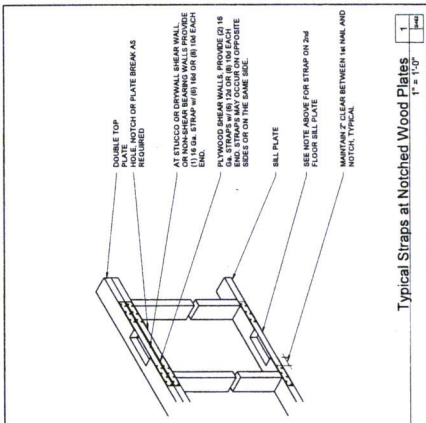
Typical CMU Threaded Anchor Embedment  
 1" = 1'-0"



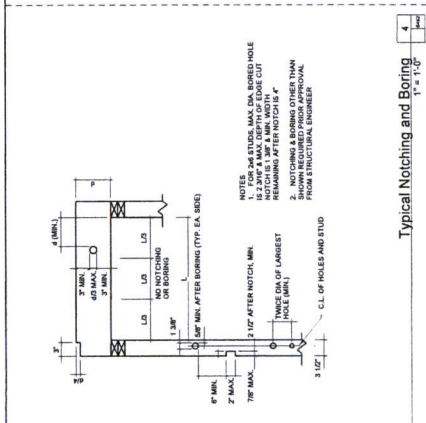


MBS to Metal Studs, Parallel  
 1/4" = 1'-0"

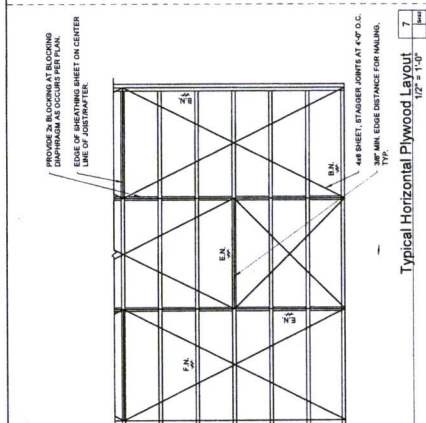
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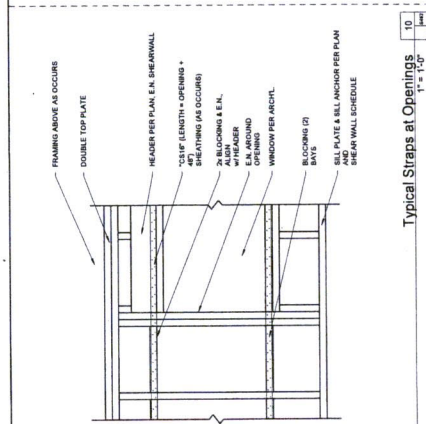
Typical Straps at Notched Wood Plates  
 1" = 1'-0"



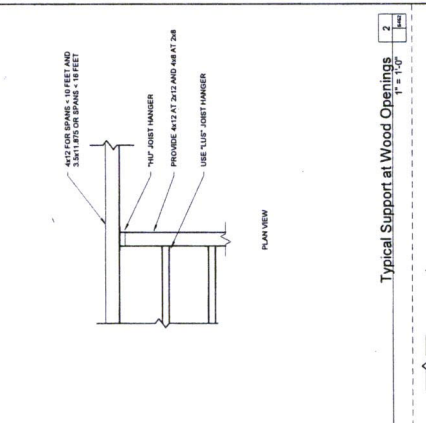
Typical Notching and Boring  
 1" = 1'-0"



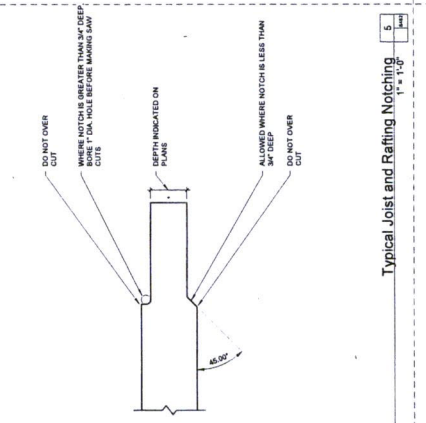
Typical Horizontal Plywood Layout  
 1/2\"/>



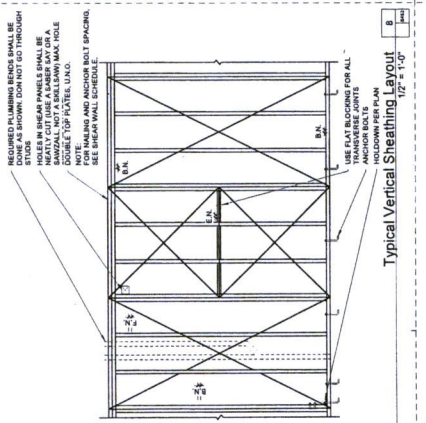
Typical Straps at Openings  
 1" = 1'-0"



Typical Support at Wood Openings  
 1" = 1'-0"



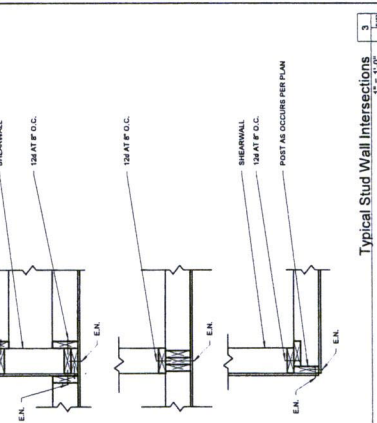
Typical Joist and Rafting Notching  
 1" = 1'-0"



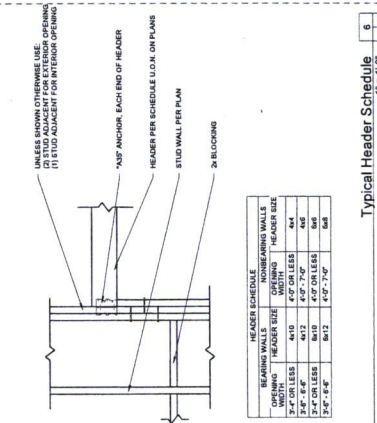
Typical Vertical Sheathing Layout  
 1/2\"/>



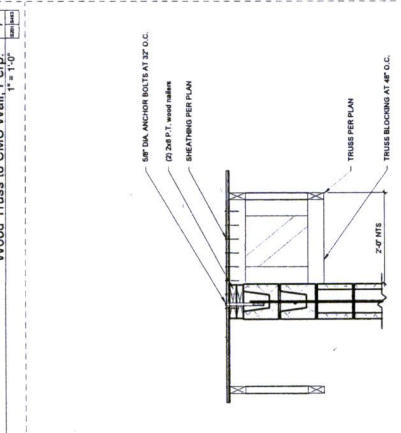
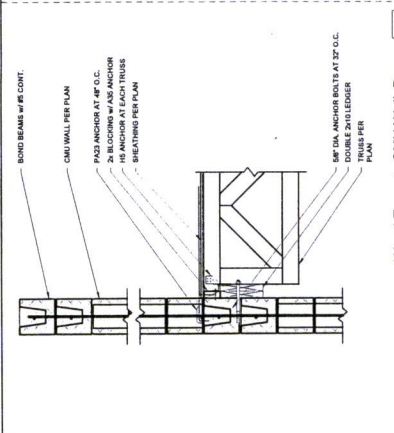
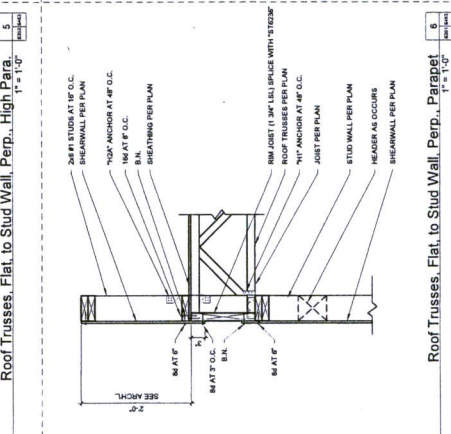
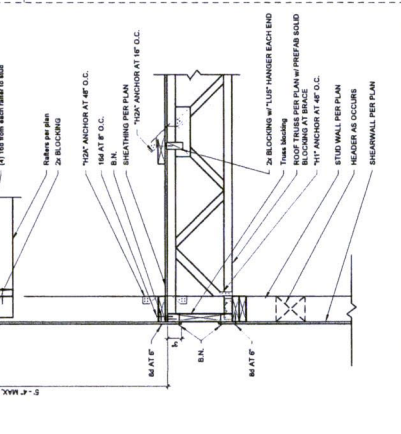
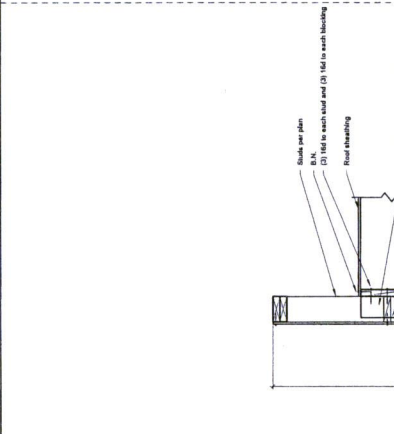
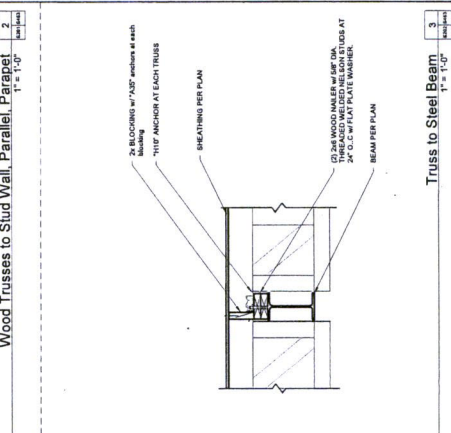
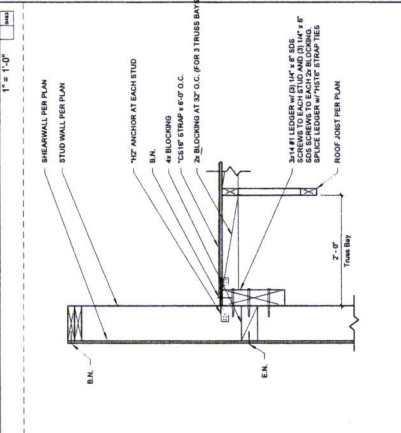
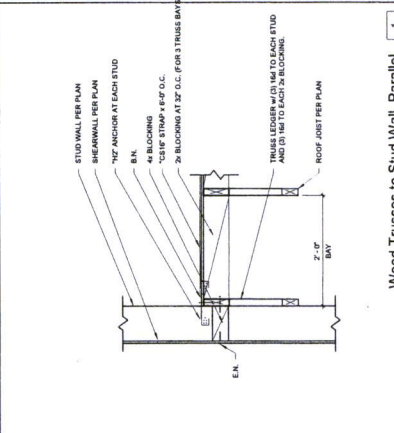
Typical Sill Plate Anchorage  
 1" = 1'-0"



Typical Stud Wall Intersections  
 1" = 1'-0"



Typical Header Schedule  
 1" = 1'-0"



0.0

SHEET NUMBER

REVISIONS

DATE

BY

PROJECT NUMBER

TA & EA

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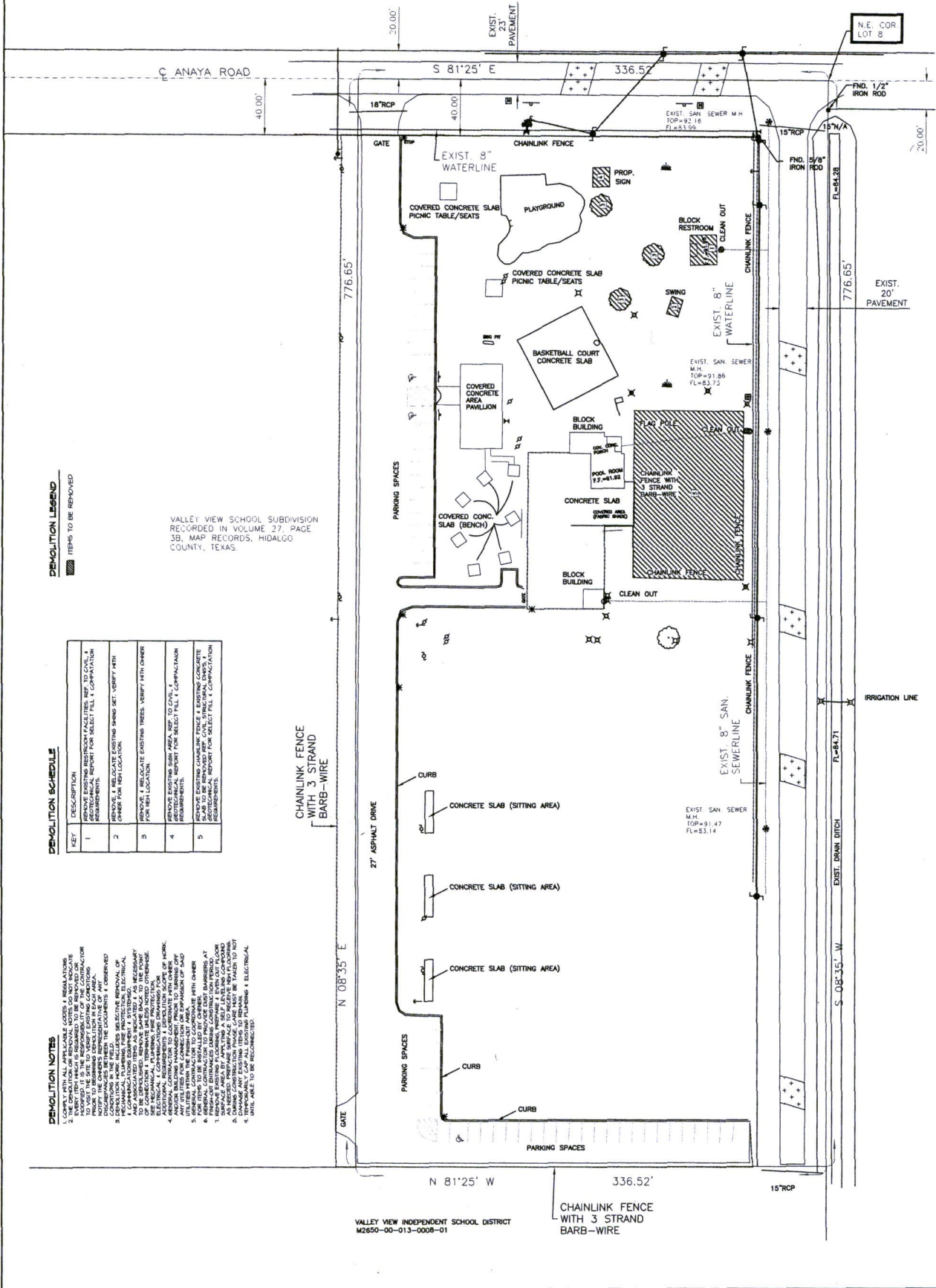
BZZ ENGINEERING  
900 S STEWART RD. STE. #4  
MISSION, TEXAS  
OFFICE: (956) 585-3773

LAS MILPAS PARK  
YOUTH FACILITY,  
PHARR, TEXAS

SCALE: 3/16" = 1'-0"

1601 W. ANAYA RD.  
PHARR, TEXAS

NO.	DATE	DESCRIPTION
1	3/6/2019	REVISED
2	8/1/2019	REVISED
3	4/24/2019	REVISED



DEMOLITION LEGEND

ITEMS TO BE REMOVED

DEMOLITION SCHEDULE

KEY	DESCRIPTION
1	REMOVE EXISTING RESTROOM FACILITIES. REF. TO CIVIL & MECHANICAL DRAWINGS FOR SELECT FULL & COMPARTMENT REQUIREMENTS.
2	REMOVE & RELOCATE EXISTING SIGN SET. VERIFY WITH OWNER FOR RELOCATION.
3	REMOVE & RELOCATE EXISTING TREES. VERIFY WITH OWNER FOR RELOCATION.
4	REMOVE EXISTING SIGN AREA. REF. TO CIVIL & MECHANICAL DRAWINGS FOR SELECT FULL & COMPARTMENT REQUIREMENTS.
5	REMOVE EXISTING CHAINLINK FENCE & EXISTING CONCRETE SLAB TO BE REMOVED PER CIVIL & MECHANICAL DRAWINGS. REF. TO CIVIL & MECHANICAL DRAWINGS FOR SELECT FULL & COMPARTMENT REQUIREMENTS.

DEMOLITION NOTES

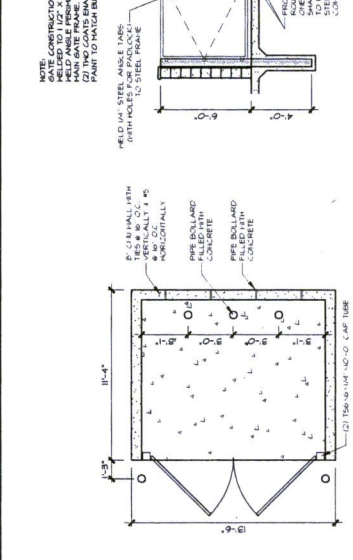
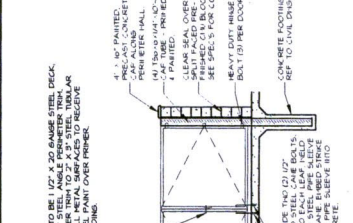
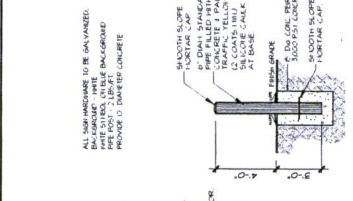
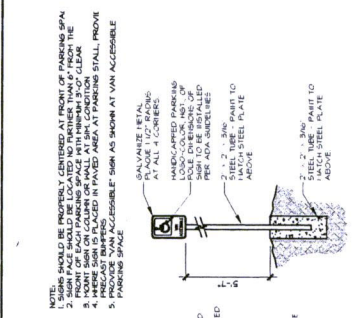
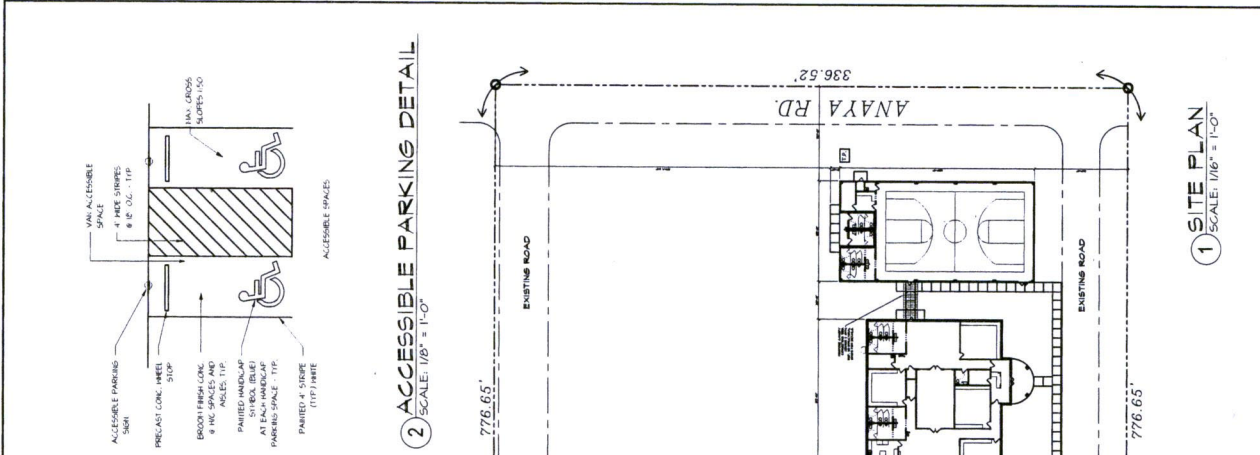
1. CONSULT WITH ALL APPLICABLE CODES & REGULATIONS.
2. VERIFY ALL UTILITIES ARE DEEPENED TO BE REMOVED OR RELOCATED.
3. VERIFY THE SITE TO VERIFY EXISTING CONDITIONS.
4. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DEMOLITION CONDITIONS IN THE FIELD.
5. MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, & COMMUNICATIONS DRAWINGS FOR EXISTING UTILITIES SHALL BE PROVIDED TO THE CONTRACTOR TO COORDINATE WITH OWNER.
6. GENERAL CONTRACTOR TO COORDINATE WITH OWNER.
7. GENERAL CONTRACTOR TO REMOVE EXISTING BARRIERS AT EXISTING CONCRETE SLAB TO BE REMOVED PER CIVIL & MECHANICAL DRAWINGS.
8. AS NEEDED, PREPARE SHORING TO MAINTAIN EXISTING FLOORING.
9. DAMAGE AND EXISTING TREES TO REMAIN. BE HELD TO FACT.
10. UTILITIES TO BE RECONNECTED.
11. ELECTRICAL.

VALLEY VIEW SCHOOL SUBDIVISION  
RECORDED IN VOLUME 27, PAGE  
3B, MAP RECORDS, HIDALGO  
COUNTY, TEXAS.

CHAINLINK FENCE  
WITH 3 STRAND  
BARB-WIRE

VALLEY VIEW INDEPENDENT SCHOOL DISTRICT  
M2650-00-013-0008-01

CHAINLINK FENCE  
WITH 3 STRAND  
BARB-WIRE



**NOTE:** SIGN SHALL BE PROVIDED BY CONTRACTOR AS PART OF PARKING SPAN.  
 2. SIGN FACE SHOULD BE LOCATED NO FURTHER THAN 6" FROM THE  
 SIGN MOUNTING SURFACE.  
 3. SIGN SHALL BE MOUNTED ON A 4" DIA. GALVANIZED METAL POST.  
 4. PRECAST CONCRETE SIGN AS SHOWN AT VAN ACCESSIBLE  
 PARKING SPACE.

**NOTE:** ALL SIGN MOUNTING TO BE GALVANIZED.  
 WHITE SIGN, WHITE BACKGROUND.  
 PROVIDE (1) DANGER CONCRETE

**NOTE:** GATE CONSTRUCTION TO BE 1/2" X 20 GAUGE STEEL DECK,  
 WELDED ANGLE PERIMETER WITH 2" X 3" STEEL TUBULAR  
 POSTS. PROVIDE 1/2" DIA. GALVANIZED METAL POSTS TO RESERVE  
 PAINT TO MATCH BUILDING.

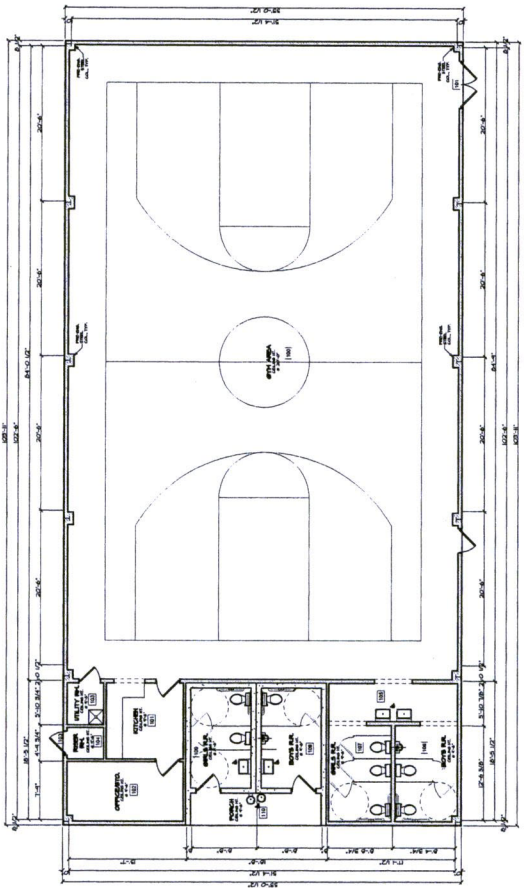
**NOTE:** 4" X 10" PAINTED,  
 CAP ALONG CONCRETE  
 PERIMETER WALL.  
 CAP TIME - PAINTED  
 CLEAR SEAL OVER &  
 PAINT FALLED PRE-  
 CAST CONCRETE.  
 SEE SPECS FOR COLOR.  
 HEAVY DUTY HINGE  
 BOLT (5) PER DOOR.  
 CONCRETE FOOTING  
 REF TO CIVIL DRS

**NOTE:** 4" X 10" PAINTED,  
 CAP ALONG CONCRETE  
 PERIMETER WALL.  
 CAP TIME - PAINTED  
 CLEAR SEAL OVER &  
 PAINT FALLED PRE-  
 CAST CONCRETE.  
 SEE SPECS FOR COLOR.  
 HEAVY DUTY HINGE  
 BOLT (5) PER DOOR.  
 CONCRETE FOOTING  
 REF TO CIVIL DRS

**NOTE:** GATE CONSTRUCTION, GATE MUST BE TYPED TO MEET SHOWN ANY  
 EXISTING MUST BE SHOWN  
 TO BE REMOVED. ALL EXISTING PIPING AND ELECTRICAL WITH. ALL  
 NEW CONSTRUCTION SHALL BE AS SHOWN. ALL EXISTING PIPING AND ELECTRICAL WITH. ALL  
 NEW CONSTRUCTION SHALL BE AS SHOWN. ALL EXISTING PIPING AND ELECTRICAL WITH. ALL  
 NEW CONSTRUCTION SHALL BE AS SHOWN.

**SHEET LEGEND:**  
 EXISTING TO BE REMOVED  
 NEW CONSTRUCTION  
 EXISTING TO BE REMOVED

**SHEET NOTES:**  
 REFER TO CIVIL DRAWINGS FOR PAVING & DRAINAGE SLOPE  
 REFER TO CIVIL DRAWINGS FOR PAVING & DRAINAGE SLOPE



- DOOR SCHEDULE:**
- DOOR 1 - 2'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS DOOR WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - DOOR 2 - 2'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS DOOR WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - DOOR 3 - 2'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS DOOR WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - DOOR 4 - 2'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS DOOR WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - DOOR 5 - 2'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS DOOR WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - DOOR 6 - 2'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS DOOR WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - DOOR 7 - 2'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS DOOR WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - DOOR 8 - 2'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS DOOR WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - DOOR 9 - 2'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS DOOR WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - DOOR 10 - 2'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS DOOR WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
- WINDOW SCHEDULE:**
- WINDOW A - 6'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS WINDOW WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - WINDOW B - 6'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS WINDOW WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
  - WINDOW C - 6'-0" x 8'-0" SWINGING ALUMINUM LIGHT GLASS WINDOW WITH 1/2" CLEARANCE FROM FLOOR AND 1/2" CLEARANCE FROM WALL. FINISH WITH LAMINATED AND FRAMED GLASS.
- GENERAL FRAMING NOTES:**
1. ALL FRAMING SHALL BE 2x4 UNLESS OTHERWISE NOTED.
  2. ALL FRAMING SHALL BE 2x6 UNLESS OTHERWISE NOTED.
  3. ALL FRAMING SHALL BE 2x8 UNLESS OTHERWISE NOTED.
  4. ALL FRAMING SHALL BE 2x10 UNLESS OTHERWISE NOTED.
  5. ALL FRAMING SHALL BE 2x12 UNLESS OTHERWISE NOTED.
  6. ALL FRAMING SHALL BE 2x14 UNLESS OTHERWISE NOTED.
  7. ALL FRAMING SHALL BE 2x16 UNLESS OTHERWISE NOTED.
  8. ALL FRAMING SHALL BE 2x18 UNLESS OTHERWISE NOTED.
  9. ALL FRAMING SHALL BE 2x20 UNLESS OTHERWISE NOTED.
  10. ALL FRAMING SHALL BE 2x22 UNLESS OTHERWISE NOTED.
  11. ALL FRAMING SHALL BE 2x24 UNLESS OTHERWISE NOTED.
  12. ALL FRAMING SHALL BE 2x26 UNLESS OTHERWISE NOTED.
  13. ALL FRAMING SHALL BE 2x28 UNLESS OTHERWISE NOTED.
  14. ALL FRAMING SHALL BE 2x30 UNLESS OTHERWISE NOTED.
  15. ALL FRAMING SHALL BE 2x32 UNLESS OTHERWISE NOTED.
  16. ALL FRAMING SHALL BE 2x34 UNLESS OTHERWISE NOTED.
  17. ALL FRAMING SHALL BE 2x36 UNLESS OTHERWISE NOTED.
  18. ALL FRAMING SHALL BE 2x38 UNLESS OTHERWISE NOTED.
  19. ALL FRAMING SHALL BE 2x40 UNLESS OTHERWISE NOTED.
  20. ALL FRAMING SHALL BE 2x42 UNLESS OTHERWISE NOTED.
  21. ALL FRAMING SHALL BE 2x44 UNLESS OTHERWISE NOTED.
  22. ALL FRAMING SHALL BE 2x46 UNLESS OTHERWISE NOTED.
  23. ALL FRAMING SHALL BE 2x48 UNLESS OTHERWISE NOTED.
  24. ALL FRAMING SHALL BE 2x50 UNLESS OTHERWISE NOTED.
  25. ALL FRAMING SHALL BE 2x52 UNLESS OTHERWISE NOTED.
  26. ALL FRAMING SHALL BE 2x54 UNLESS OTHERWISE NOTED.
  27. ALL FRAMING SHALL BE 2x56 UNLESS OTHERWISE NOTED.
  28. ALL FRAMING SHALL BE 2x58 UNLESS OTHERWISE NOTED.
  29. ALL FRAMING SHALL BE 2x60 UNLESS OTHERWISE NOTED.
  30. ALL FRAMING SHALL BE 2x62 UNLESS OTHERWISE NOTED.
  31. ALL FRAMING SHALL BE 2x64 UNLESS OTHERWISE NOTED.
  32. ALL FRAMING SHALL BE 2x66 UNLESS OTHERWISE NOTED.
  33. ALL FRAMING SHALL BE 2x68 UNLESS OTHERWISE NOTED.
  34. ALL FRAMING SHALL BE 2x70 UNLESS OTHERWISE NOTED.
  35. ALL FRAMING SHALL BE 2x72 UNLESS OTHERWISE NOTED.
  36. ALL FRAMING SHALL BE 2x74 UNLESS OTHERWISE NOTED.
  37. ALL FRAMING SHALL BE 2x76 UNLESS OTHERWISE NOTED.
  38. ALL FRAMING SHALL BE 2x78 UNLESS OTHERWISE NOTED.
  39. ALL FRAMING SHALL BE 2x80 UNLESS OTHERWISE NOTED.
  40. ALL FRAMING SHALL BE 2x82 UNLESS OTHERWISE NOTED.
  41. ALL FRAMING SHALL BE 2x84 UNLESS OTHERWISE NOTED.
  42. ALL FRAMING SHALL BE 2x86 UNLESS OTHERWISE NOTED.
  43. ALL FRAMING SHALL BE 2x88 UNLESS OTHERWISE NOTED.
  44. ALL FRAMING SHALL BE 2x90 UNLESS OTHERWISE NOTED.
  45. ALL FRAMING SHALL BE 2x92 UNLESS OTHERWISE NOTED.
  46. ALL FRAMING SHALL BE 2x94 UNLESS OTHERWISE NOTED.
  47. ALL FRAMING SHALL BE 2x96 UNLESS OTHERWISE NOTED.
  48. ALL FRAMING SHALL BE 2x98 UNLESS OTHERWISE NOTED.
  49. ALL FRAMING SHALL BE 2x100 UNLESS OTHERWISE NOTED.



SHEET NUMBER

REVIEWED BY:  
TA & EA

PROJECT NUMBER:  
000-18

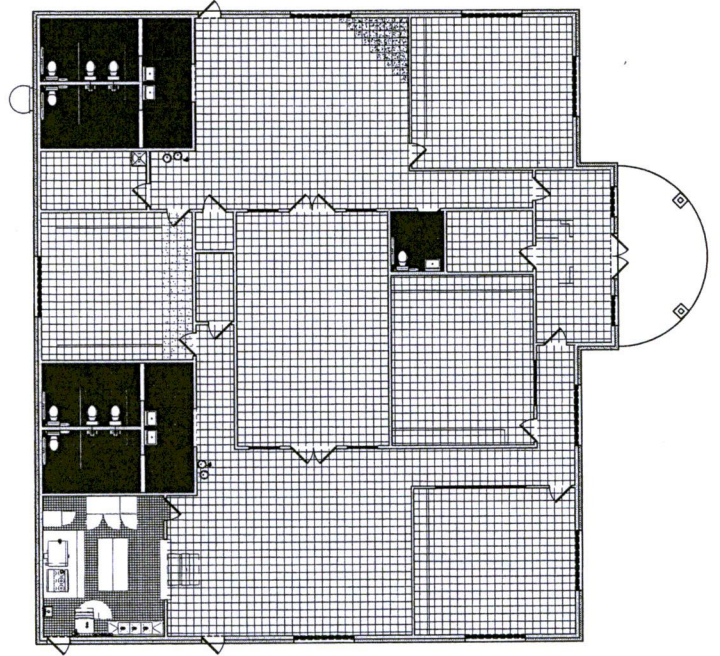
**BZZ ENGINEERING**  
900 S. STEWART RD. STE. #4  
MISSION, TEXAS  
OFFICE: (956) 585-3773

**FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

PROJECT:  
**LAS MILPAS PARK  
YOUTH FACILITY,  
PHARR, TEXAS**

ADDRESS:  
**1601 W. ANAYA RD.  
PHARR, TEXAS**

NO.	DATE	REVISIONS



**SHEET NOTES:**

- 1- FLOOR FINISHES SUBJECT TO OWNER APPROVAL FROM ARCHITECT
- 2- ALL TO GOVERNOR BY THE MANUFACTURER TO FILL IN
- 3- FLOOR FINISHES TO BE INSTALLED AT 1/2" X 1/2" X 1/4" JOINTS
- 4- FLOOR FINISHES TO BE INSTALLED AT 1/2" X 1/2" X 1/4" JOINTS
- 5- FLOOR FINISHES TO BE INSTALLED AT 1/2" X 1/2" X 1/4" JOINTS
- 6- FLOOR FINISHES TO BE INSTALLED AT 1/2" X 1/2" X 1/4" JOINTS
- 7- FLOOR FINISHES TO BE INSTALLED AT 1/2" X 1/2" X 1/4" JOINTS
- 8- FLOOR FINISHES TO BE INSTALLED AT 1/2" X 1/2" X 1/4" JOINTS
- 9- FLOOR FINISHES TO BE INSTALLED AT 1/2" X 1/2" X 1/4" JOINTS
- 10- FLOOR FINISHES TO BE INSTALLED AT 1/2" X 1/2" X 1/4" JOINTS

**BZZ ENGINEERING**  
900 S STEWART RD, STE. #4  
MISSION, TEXAS  
OFFICE: (956) 585-3773

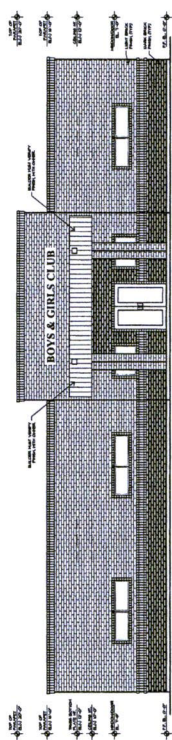
**LAS MILPAS PARK  
YOUTH FACILITY,  
PHARR, TEXAS**

SCALE: 1/8" = 1'-0"

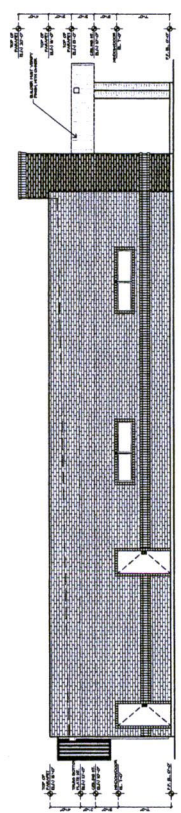
ADDRESS: 1601 W. ANAYA RD.  
PHARR, TEXAS

REVISIONS:	
	4/17/2019
	11/2/2018
	11/3/2018

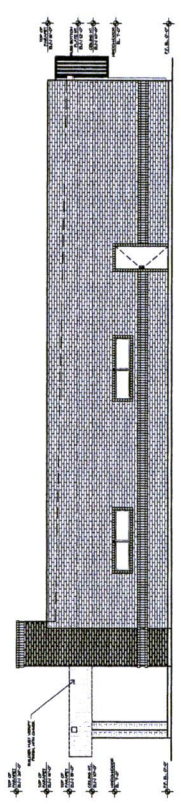
① FRONT ELEVATION  
SCALE: 1/8"=1'-0"



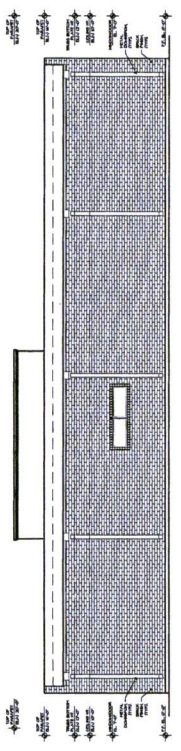
③ LEFT ELEVATION  
SCALE: 1/8"=1'-0"



② FRONT ELEVATION  
SCALE: 1/8"=1'-0"



④ FRONT ELEVATION  
SCALE: 1/8"=1'-0"



**NOTES:**  
1. GENERAL NOTES TO BE APPLIED TO ALL DRAWINGS.  
2. GENERAL CONTRACTOR TO VERIFY TO SPECIFICATION SECTION 05 20 00 - ALUMINUM & GLASS PANELS.  
3. SEE ARCHITECT'S NOTES FOR ADDITIONAL INFORMATION.

**SHEET LEGEND:**  
1. BRICK  
2. GLASS WINDOW  
3. GLASS DOOR  
4. WOOD SIGN  
5. WOOD TRIM  
6. WOOD PANELING  
7. WOOD FLOORING  
8. WOOD CEILING  
9. WOOD WALL  
10. WOOD FLOOR

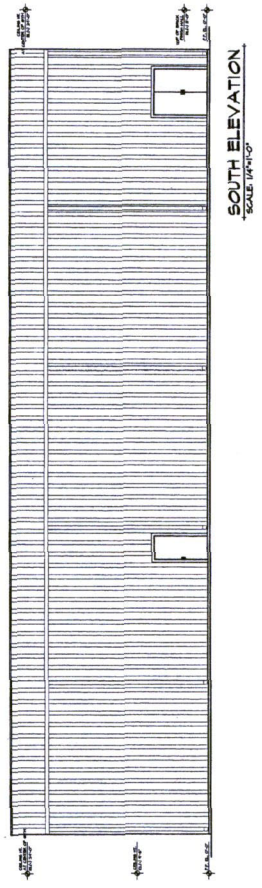
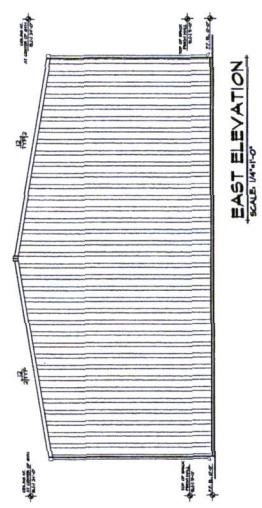
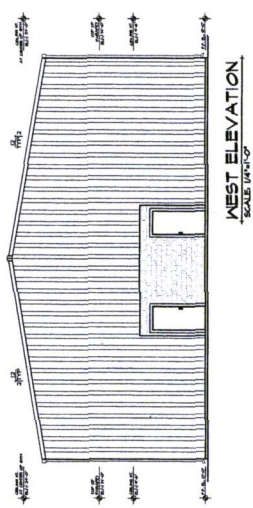
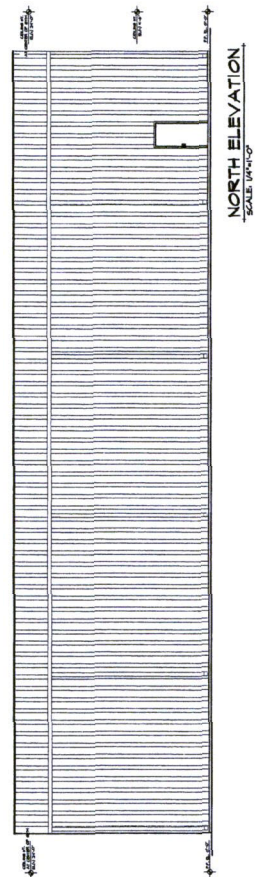
**BZZ ENGINEERING**  
 900 S STEWART RD, STE. #4  
 MISSION, TEXAS  
 OFFICE: (956) 585-3773

**PROJECT:**  
 LAS MILPAS PARK  
 YOUTH FACILITY,  
 PHARR, TEXAS

SCALE: 1/8" = 1'-0"

**ADDRESS:**  
 1601 W. ANAYA RD.  
 PHARR, TEXAS

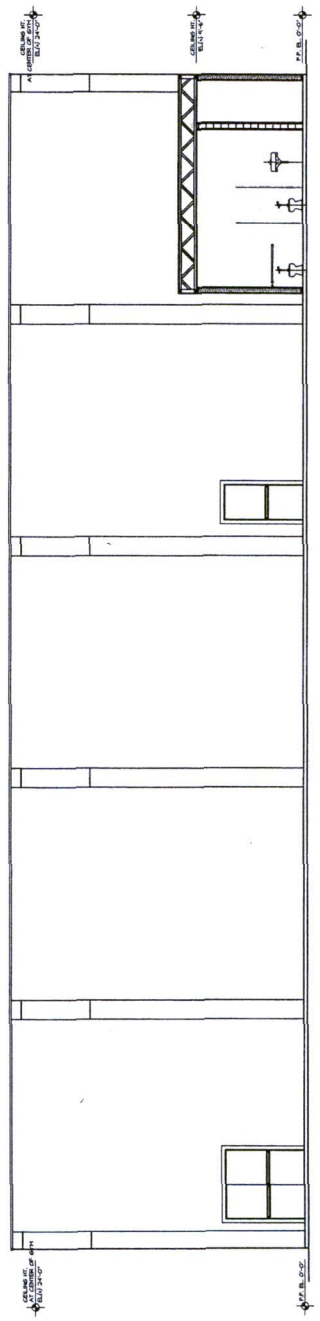
NO.	DATE	DESCRIPTION



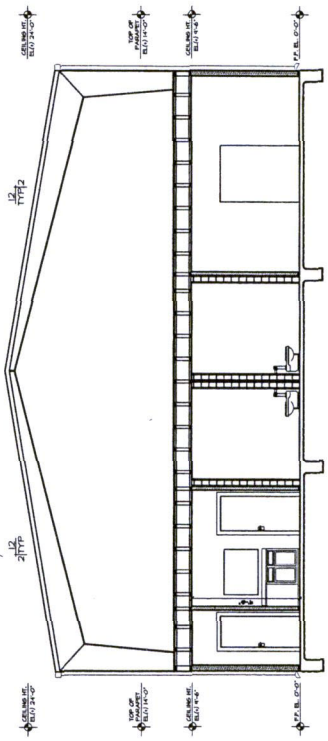
**SHEET LEGEND:**  
 G.O. OVER FLOOR PLAN  
 H.P. HAIL PALE  
 E.L. EXTERIOR LIGHT  
 M.B. MOUNTING BRACKET  
 O.N. OPERATOR NOSE

**NOTES:**  
 1. REFER TO ALL PREVIOUS SHEETS FOR ADDITIONAL INFORMATION.  
 2. GENERAL CONTRACTOR TO VERIFY TO MANUFACTURER'S SPECIFICATIONS.  
 3. SECTION - - - - - A, DIMENSIONS & SPACING PER PLAN.

BUILDING SECTION  
SCALE: 1/4"=1'-0"



BUILDING SECTION  
SCALE: 1/4"=1'-0"



**BZZ ENGINEERING**  
 900 S STEWART RD, STE. #4  
 MISSION, TEXAS  
 OFFICE: (956) 585-3773

**PROJECT:**  
 LAS MILPAS PARK  
 YOUTH FACILITY,  
 PHARR, TEXAS

SCALE: 1/8" = 1'-0"

**ADDRESS:**  
 1601 W. ANAYA RD.  
 PHARR, TEXAS

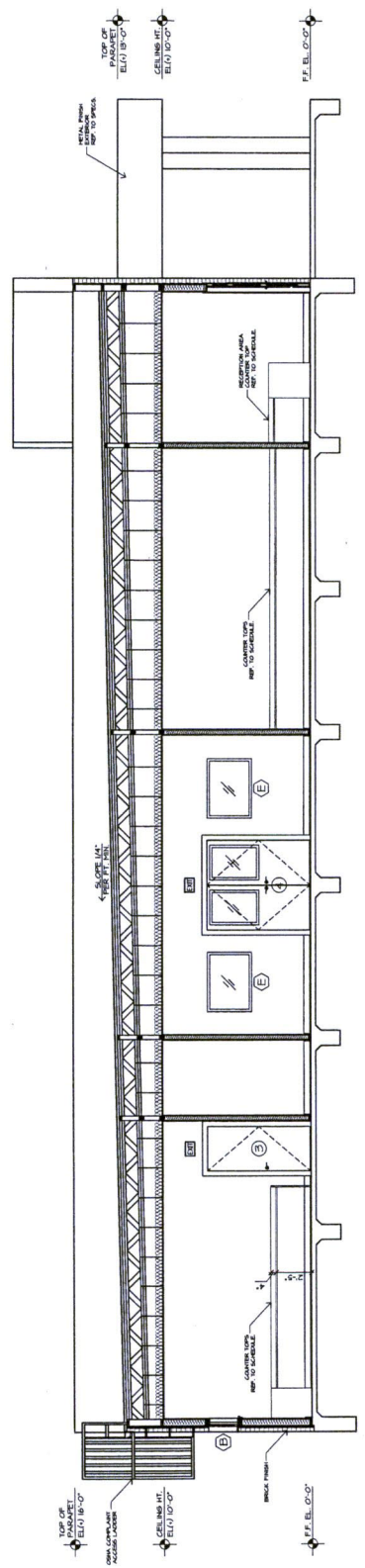
**REVISIONS:**  
 11/5/2018

NO.	DATE	BY	DESCRIPTION

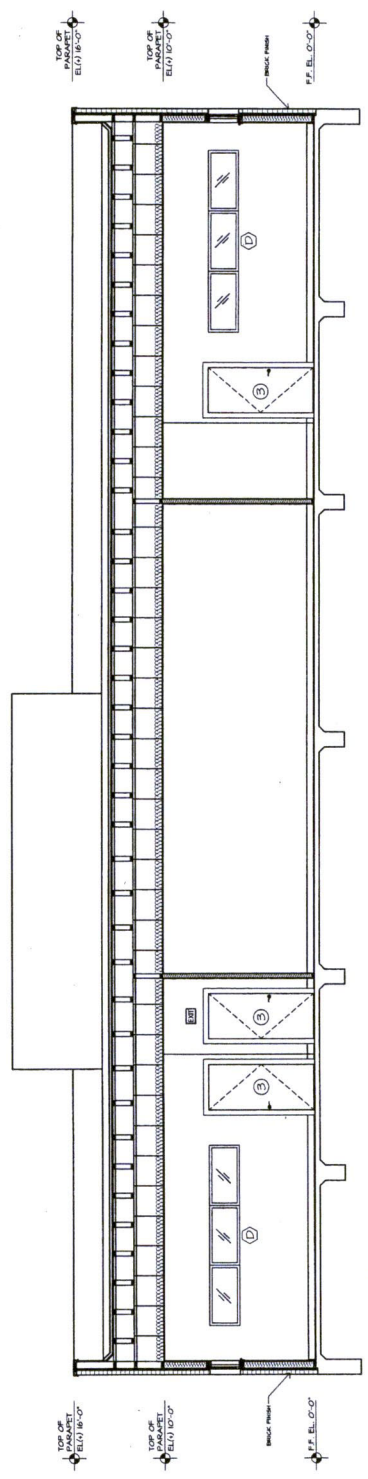
**PROJECT NUMBER:**  
**DATE PLOTTED BY:**  
**TAB & EA**

**SHEET NUMBER**

1 BUILDING SECTION  
SCALE: 1/4"=1'-0"



2 BUILDING SECTION  
SCALE: 1/4"=1'-0"



<b>BZZ ENGINEERING</b> 900 S. STEWART RD. STE. #4 MISSION, TEXAS OFFICE: (956) 585-3773		PROJECT: <b>LAS MILPAS PARK</b> <b>YOUTH FACILITY,</b> <b>PHARR, TEXAS</b>	ADDRESS: <b>1601 W. ANAYA RD.</b> <b>PHARR, TEXAS</b>	REVISIONS: 11/5/2016
<b>GENERAL NOTES</b> SCALE: 1/4" = 1'-0"				
PROJECT NUMBER	NO. OF SHEETS	SHEET NUMBER		
	11 & 12	11 & 12		

**BZZ ENGINEERING**  
900 S. STEWART RD., STE. #4  
MISSION, TEXAS  
OFFICE: (956) 585-3773

PROJECT:  
**LAS MILPAS PARK  
YOUTH FACILITY,  
PHARR, TEXAS**

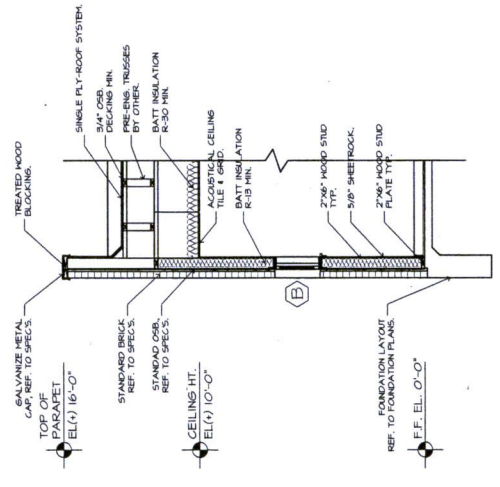
SCALE: 3/8" = 1'-0"

ADDRESS:

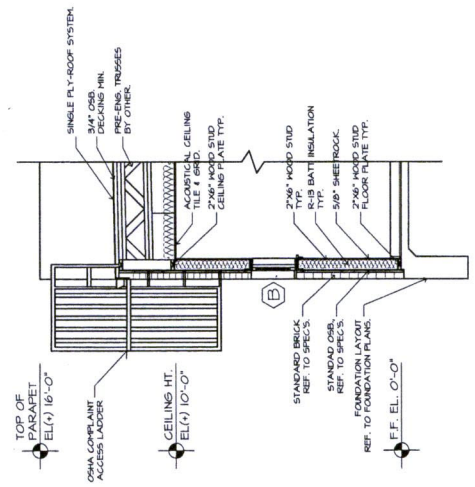
1601 W. ANAYA RD.  
PHARR, TEXAS

NO.	DATE	REVISIONS
1	11/5/2016	
2	11/2/2016	

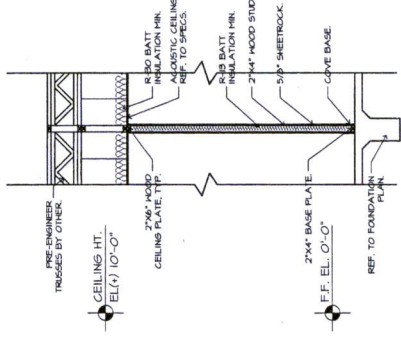
**1 EXTERIOR WALL**  
SCALE: 3/8" = 1'-0"



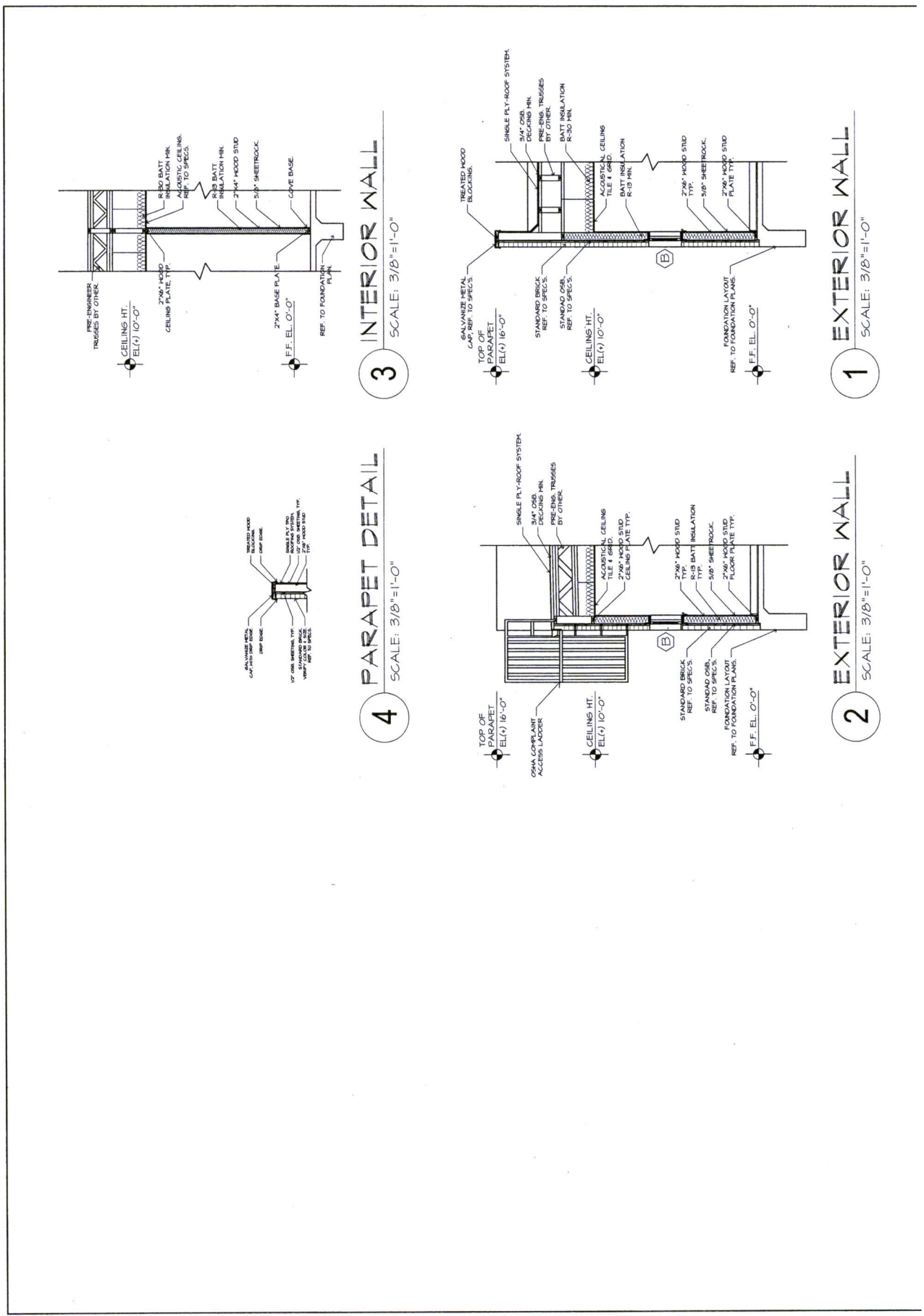
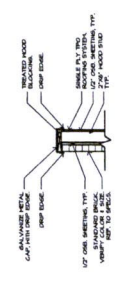
**2 EXTERIOR WALL**  
SCALE: 3/8" = 1'-0"



**3 INTERIOR WALL**  
SCALE: 3/8" = 1'-0"



**4 PARAPET DETAIL**  
SCALE: 3/8" = 1'-0"



SHEET NUMBER  
TAA EA

REVISIONS:  
TAA EA

PROJECT NUMBER:  
000-18

**BZZ ENGINEERING**  
900 S. STEWART RD. STE. #4  
MISSION, TEXAS  
OFFICE: (956) 585-3773

**PROJECT:**  
LAS MILPAS PARK  
YOUTH FACILITY,  
PHARR, TEXAS

SCALE: 1/8" = 1'-0"

**ADDRESS:**  
1601 W. ANAYA RD.  
PHARR, TEXAS

NO.	DATE	REVISIONS

**SHEET LEGEND:**

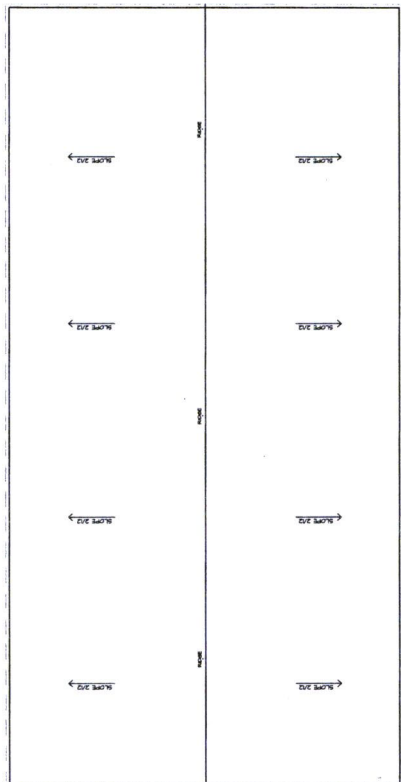
1. OVER FLOOR FINISH

**SHEET NOTES:**

1. REFER TO ALL OTHER SHEETS FOR TOP OF FINISH.
2. REFER TO ALL OTHER SHEETS FOR ROOF PLAN.
3. REFER TO ALL OTHER SHEETS.

**ROOFING NOTES:**

1. REFER TO ALL OTHER SHEETS FOR ROOFING DETAILS.
2. REFER TO ALL OTHER SHEETS FOR ROOFING MATERIALS.
3. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
4. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
5. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
6. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
7. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
8. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
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10. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
11. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
12. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
13. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
14. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
15. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
16. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
17. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
18. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
19. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.
20. REFER TO ALL OTHER SHEETS FOR ROOFING SYSTEMS.



# 1 ROOF PLAN

SCALE: 3/16" = 1'-0"

SHEET NUMBER

REVIEWED BY: T.A. CL

PROJECT NUMBER: 174 CL

**BZZ ENGINEERING**  
900 S. STEWART RD., STE. #4  
MISSION, TEXAS  
OFFICE: (956) 585-5773

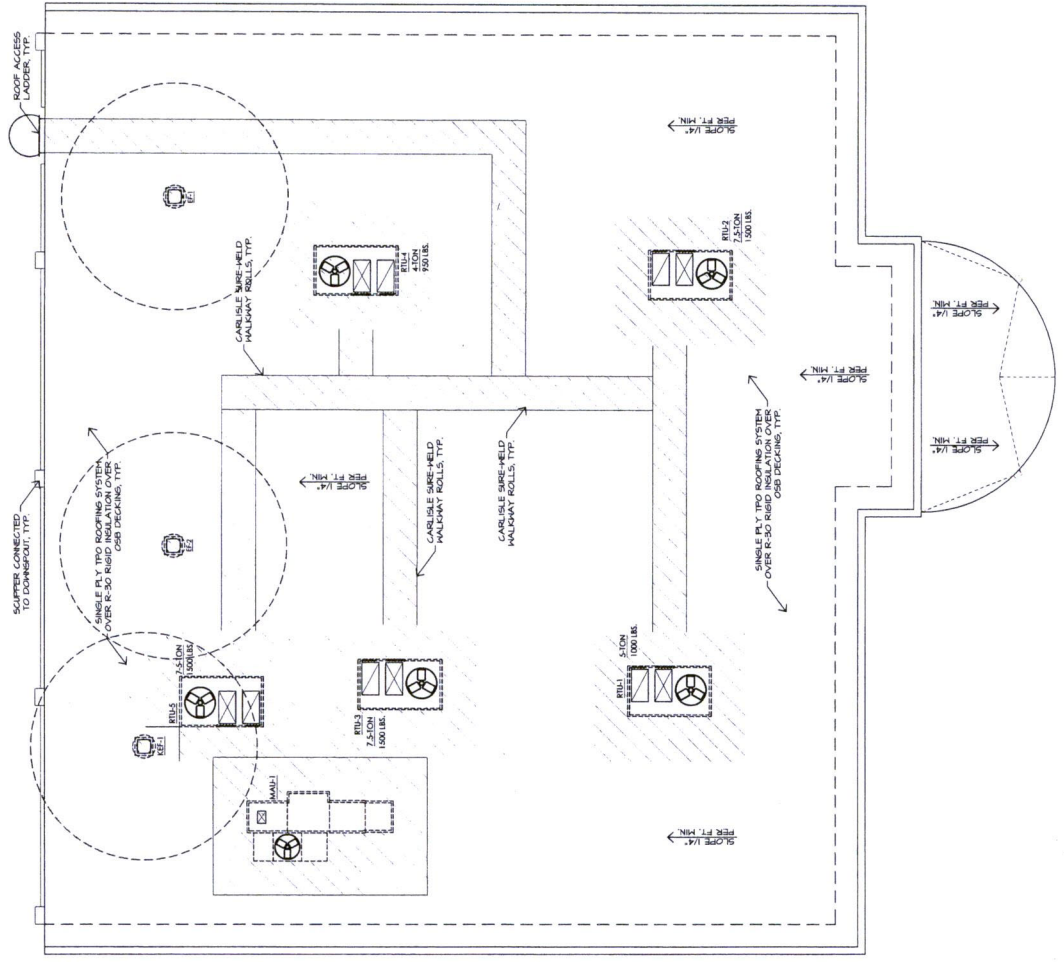
## GENERAL NOTES

**LAS MILPAS PARK  
YOUTH FACILITY,  
PHARR, TEXAS**

SCALE: 3/16" = 1'-0"

ADDRESS:  
**1601 W. ANAYA RD.  
PHARR, TEXAS**

REVISIONS:  
1/15/2016  
11/2/2016  
4/7/2016



**ROOFING NOTES:**

- 1) PROVIDE MECHANICALLY ATTACHED TPO MEMBRANE ROOFING WITH FLASHING AS REQUIRED TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 2) PROVIDE FACTORY-FORMED, NON-POROUS, HEAVY-DUTY INSULATION WITH A MINIMUM R-VALUE OF R-30.
- 3) INSTALL ROOFING OVER 2" THICK, 1/4" RIGID INSULATION BOARD MECHANICALLY ATTACHED TO STRUCTURE.
- 4) ROOFING SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL BE MECHANICALLY ATTACHED TO A COMPLETE SYSTEM AS SPECIFIED BY THE MANUFACTURER.
- 5) ROOF ASSEMBLY SHALL MEET THE TEXAS BUILDING CODE, SECTION 1907.01, FOR WIND RESISTANT CONSTRUCTION.
- 6) ROOFING SHALL BE COVERED BY MINIMUM 20 YEAR WARRANTY.
- 7) ROOF SLOPE SHALL BE 1/4" IN. PER FOOT, TYP.
- 8) ALL WORK MUST MEET CITY, STATE AND INTERNATIONAL CODES.

**SHEET NOTES:**

1. REFER TO STRUCTURAL DRAWINGS FOR TOP OF STEEL HEIGHTS.
2. REFER TO PLUMBING DRAWINGS FOR ROOF DRAIN SIZES IF NECESSARY.

**SHEET LEGEND:**

R.D. ROOF DRAIN  
O.D. OVER FLOW DRAIN

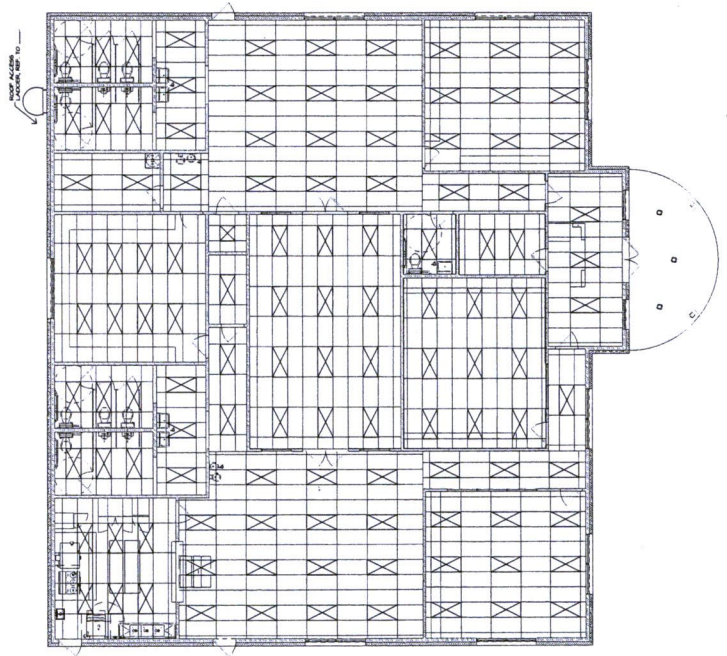
**BZZ ENGINEERING**  
900 S STEWART RD, STE. #4  
MISSION, TEXAS  
OFFICE: (956) 585-3773

**LAS MILPAS PARK  
YOUTH FACILITY,**  
PHARR, TEXAS

**1601 W. ANAYA RD.**  
PHARR, TEXAS

NO.	DATE	REVISIONS

**REFLECTED CEILING**  
SCALE: 1/8"=1'-0"





**BZZ ENGINEERING**  
900 S. STEWART RD., STE. #4  
MISSION, TEXAS  
OFFICE: (956) 585-3773

**GENERAL NOTES**

SCALE: 3/16" = 1'-0"

**PROJECT:**  
LAS MILPAS PARK  
YOUTH FACILITY,  
PHARR, TEXAS

**ADDRESS:**  
1601 W. ANAYA RD.  
PHARR, TEXAS

REVISIONS:  
11/9/2018

**GENERAL NOTES:**

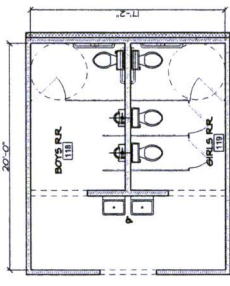
- 1. GENERAL CONTRACTOR TO REFER TO SPECIFICATIONS SECTION 01 2500 FOR ALTERNATES & SEPARATE PRICES.

**SHEET NOTES:**

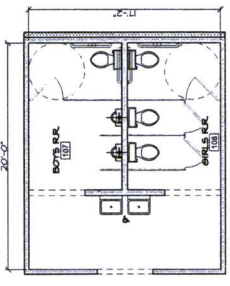
- 1. GENERAL CONTRACTOR TO COMPLY WITH ALL T&S & ADA APPLICABLE CODES & REGULATIONS.
- 2. GENERAL CONTRACTOR TO COORDINATE WITH OWNER FOR T&S & ADA ACCESSIBLE MOUNTING & ACCESSORY SCHEDULE HEIGHTS.
- 3. ALL TOILET PARTITIONS TO BE FLOOR ANCHORED.
- 4. URINAL PARTITIONS TO BE WALL MOUNTED.

**ACCESSORY SCHEDULE**

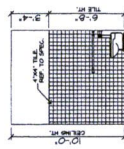
KEY	ITEM	STANDARD	ADULT
---	HANDICAP (HC)	15" TO TOP OF SEAT	17" TO TOP OF SEAT
---	URINAL (UR)	24" TO TOP OF RH	27" TO TOP OF RH
---	LAVATORY (LAV)	34" TO TOP	36" TO TOP
---	GRAB BAR (GB)	33" MIN/36" MAX TO GRIPPING SURFACE	33" MIN/36" MAX TO GRIPPING SURFACE
---	GRAB BAR (GB)	33" MIN/36" MAX TO GRIPPING SURFACE	33" MIN/36" MAX TO GRIPPING SURFACE
---	GRAB BAR (GB)	33" MIN/36" MAX TO GRIPPING SURFACE	33" MIN/36" MAX TO GRIPPING SURFACE



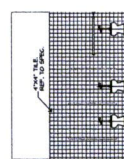
**ENLARGED PLAN TEEN AREA**  
SCALE: 3/16"=1'-0"



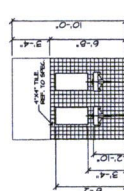
**ENLARGED PLAN YOUTH AREA**  
SCALE: 3/16"=1'-0"



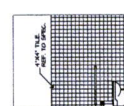
**ELEVATION GIRL'S 119**  
SCALE: 3/16"=1'-0"



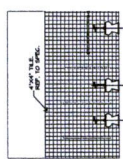
**VANITY ELEVATION 118 & 119**  
SCALE: 3/16"=1'-0"



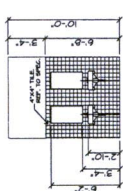
**ELEVATION BOY'S 118**  
SCALE: 3/16"=1'-0"



**ELEVATION GIRL'S 109**  
SCALE: 3/16"=1'-0"



**VANITY ELEVATION 107 & 108**  
SCALE: 3/16"=1'-0"



**ELEVATION BOY'S 107**  
SCALE: 3/16"=1'-0"

**BZZ ENGINEERING**  
 900 S. STEWART RD. STE. #4  
 MISSION, TEXAS  
 OFFICE: (956) 585-3773

**LAS MILPAS PARK  
 YOUTH FACILITY,  
 PHARR, TEXAS**

PROJECT ADDRESS  
 1601 W. ANAYA RD.  
 PHARR, TEXAS

NO.	DATE	REVISIONS

**GENERAL NOTES:**

- GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS TO BE SHOWN ON THIS DRAWING.
- SECTION 0200 FOR ALTERNATES & SEPARATE PRICES.

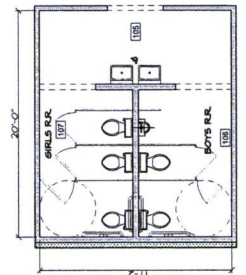
**SHEET NOTES:**

- GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS TO BE SHOWN ON THIS DRAWING.
- GENERAL CONTRACTOR TO COORDINATE WITH OWNER FOR ALL ACCESSORY PLACEMENTS & TO INSTALL THEM PER ALL ADA ACCESSIBLE MOUNTING & ACCESSORY SCHEDULE HEIGHTS.
- ALL TOILET PARTITIONS TO BE FLOOR ANCHORED.
- URINAL PARTITIONS TO BE WALL MOUNTED.

**ACCESSORY SCHEDULE**

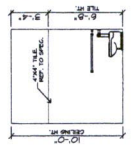
KEY	ITEM	STANDARD	ADULT
--	HANDICAP (HC)	17" TO TOP OF SEAT	17" TO TOP OF SEAT
--	URINAL (UR)	24" TO TOP OF RIM	24" TO TOP OF RIM
--	LAVATORY (LAV)	34" TO TOP	34" TO TOP
--	GRAB BAR (46")	33" MIN./36" MAX. TO GRIPPING SURFACE	33" MIN./36" MAX. TO GRIPPING SURFACE
--	GRAB BAR (42")	33" MIN./36" MAX. TO GRIPPING SURFACE	33" MIN./36" MAX. TO GRIPPING SURFACE
--	GRAB BAR (36")	33" MIN./36" MAX. TO GRIPPING SURFACE	33" MIN./36" MAX. TO GRIPPING SURFACE

**ENLARGED PLAN EXTERIOR R.R.**  
 SCALE: 3/16"=1'-0"

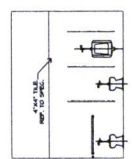


**ENLARGED PLAN GYM AREA**  
 SCALE: 3/16"=1'-0"

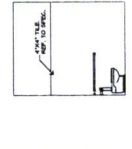
**ELEVATION BOYS 108**  
 SCALE: 3/16"=1'-0"



**VANITY  
 ELEVATION 107 & 105**  
 SCALE: 3/16"=1'-0"



**ELEVATION GIRLS 107**  
 SCALE: 3/16"=1'-0"











# LA MILPAS PARK YOUTH FACILITY CLASSROOMS

PROJECT # : .....  
DATE: 06/14/19  
CHECKED BY: LM

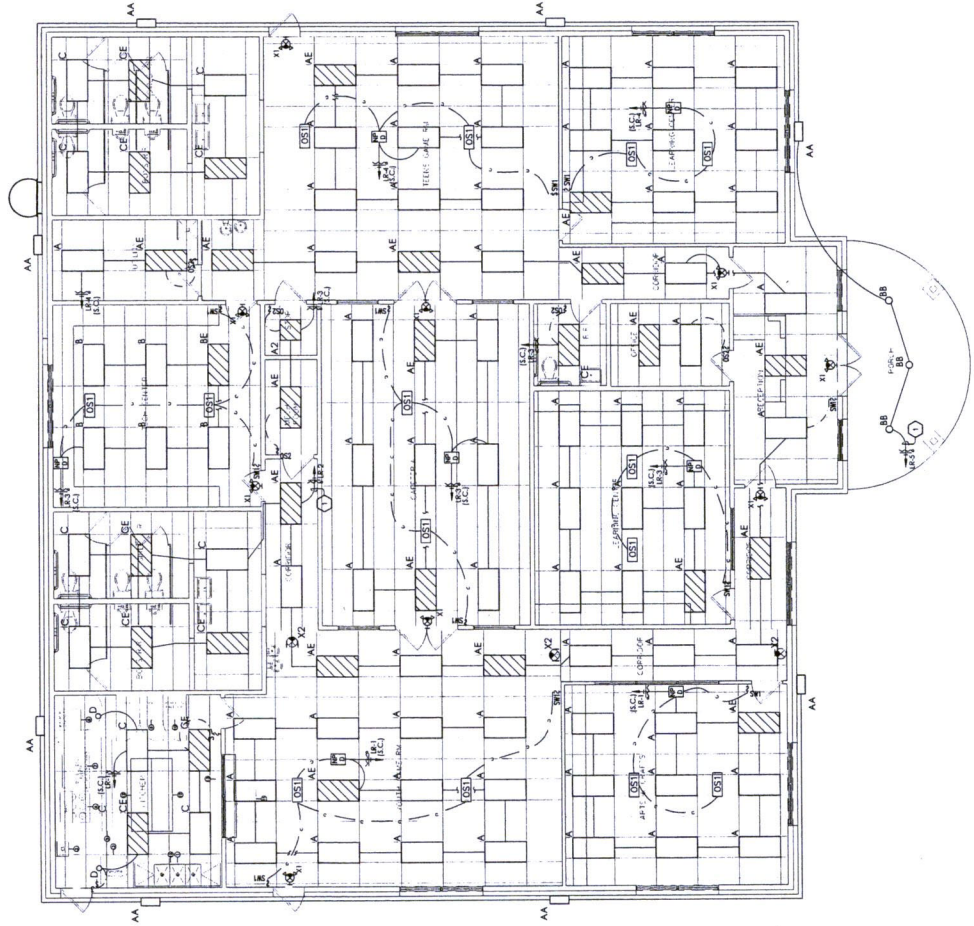
REVISION:

### GENERAL NOTES: LIGHTING

- A. ALL LIGHT FIXTURES SHALL BE 18" X 24" (EMERGENCY LIGHT FIXTURES EXCEPT) AND ALL LIGHT FIXTURES SHALL BE 18" X 24" (EMERGENCY LIGHT FIXTURES EXCEPT) AND ALL LIGHT FIXTURES WITH EMERGENCY FALL-AUT. REFER TO EDP#
- B. VERIFY CEILING TYPE AND COORDINATE WITH EXISTING TYPE LIGHT FIXTURE SHALL BE COMPATIBLE WITH CEILING TYPE AS INDICATED ON THE ARCHITECTURAL DRAWINGS. VERIFY CEILING TYPE AND COORDINATE WITH EXISTING TYPE LIGHT FIXTURES. VERIFY CEILING TYPE AND COORDINATE WITH EXISTING TYPE LIGHT FIXTURES. VERIFY CEILING TYPE AND COORDINATE WITH EXISTING TYPE LIGHT FIXTURES. VERIFY CEILING TYPE AND COORDINATE WITH EXISTING TYPE LIGHT FIXTURES.
- C. COORDINATE LOCATION OF LIGHTS WITH OFFICES AND GRILLS.
- D. SWITCHES ARE NOT SHOWN WHERE SWITCHING SCHEME IS CIRCUIT.

### KEYED NOTES: LIGHTING

- 1 WALL LIGHTING RELAY PANS, UCP\*



1 LIGHTING FLOOR PLAN  
SCALE: 3/16"=1'-0"



**TRINITY**  
MEP ENGINEERING  
3833 International Dr. Suite 100, Houston, TX 77066  
Phone: 281.485.1111  
Fax: 281.485.1112  
Project Number: 18.1.1

PROJECT # : .....  
 DATE: 06/14/19  
 CHECKED BY: LM

REVISION:

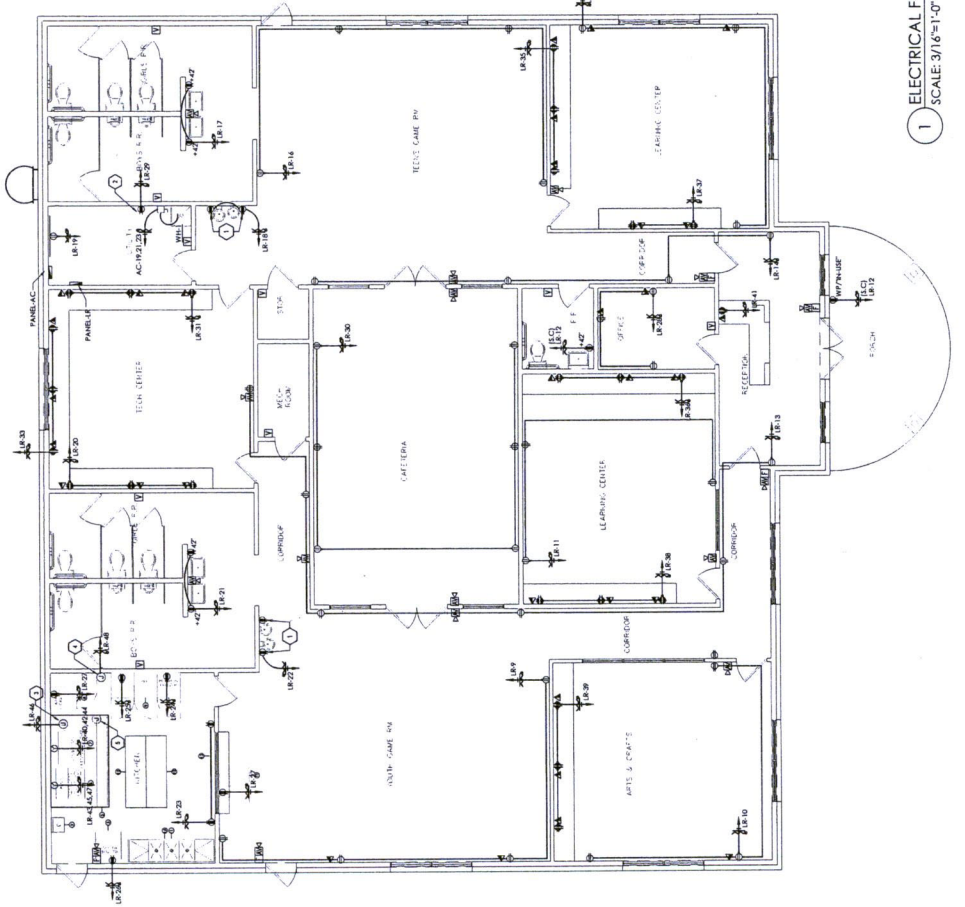


### GENERAL NOTES: POWER

- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH APPLICABLE METERWORK TO N.A.C.
- ELECTRICAL CONTRACTOR SHALL PROVIDE SCHEDULE FOR WIRE SIZE, EQUIPMENT, NUMBERING SCHEMATIC, REFER TO PANEL SCHEDULE FOR WIRE SIZE, REQUIRED ELECTRICAL ACCESSORIES FOR MECHANICAL SYSTEM AS REQUIRED.
- COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH MECHANICAL CONTRACTOR'S SCHEDULE AND MECHANICAL CONTRACTOR'S CLEARANCE BY THE LATEST CODE.
- COORDINATE EXACT LOCATION OF ISOLATED CIRCUITS FOR COMPATIBILITY WITH COMMERCIAL AND THERMOSTATS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR FOR SMALL PROVIDE JBOX AND CONDUIT FOR N.A.C.
- MECHANICAL CONTRACTOR SHALL PROVIDE SEE AND COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL MECHANICAL EQUIPMENT AND WIRING TO BE INSTALLED PRIOR TO COMMENCING ANY WORK. AT THE INSTANT WHERE EXISTING EQUIPMENT IS TO BE REPLACED OR REWIRING IS TO BE INSTALLED, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH APPROPRIATE EXISTING EQUIPMENT VOLTAGES AND NUMBER OF PHASES.

### KEYED NOTES: LIGHTING

- COORDINATE EXACT LOCATION WITH PLUMBER TO CONCEAL CONDUIT BEHIND ELECTRIC METERWORK FOR ALL ROOMS.
- PROVIDE JBOX FOR HOOD LIGHTS. COORDINATE EXACT LOCATION PRIOR TO ANY REWORKING.
- PROVIDE JBOX FOR HOOD CONTROL PANE AND SWITCHES. COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ANY REWORKING.



Item No	Qty	Equipment Category	Manufacturer	Model Number
1	1	Switch, NSF, 3 comp, 18 gauge	Advantech Electric	FE-3-1824-BL-XX
1A	1	Panel, Breaker, 18 gauge	Advantech Electric	32318
2	1	Panel, Breaker, 18 gauge	Advantech Electric	32318
3	1	Box, Meter, 18 gauge	Advantech Electric	3210-050-01-17, P-100
4	1	File, System, 18 gauge	Advantech Electric	AR-10000
5	1	Exhaust Hood	Advantech Electric	---
6	1	Supply Fan	Advantech Electric	---
7	1	Range, Restaurant Electric	Melroe	3036-S-877-240
8	1	Range, Restaurant Electric	Melroe	3036-S-877-240
9	1	Range, Restaurant Electric	Melroe	3036-S-877-240
10	1	Freezer, Reach-in	True Manufacturing Co. Inc.	1-23-HC
11	1	Freezer, Reach-in	True Manufacturing Co. Inc.	1-23-HC
12	2	Milk Cooler	True Manufacturing Co. Inc.	3MC-49-HS
13	1	Panel, Breaker, 18 gauge	Advantech Electric	32318

1 ELECTRICAL FLOOR PLAN  
 SCALE: 3/16"=1'-0"

PROJECT # : .....  
 DATE: 06/14/19  
 CHECKED BY: LM

REVISION:

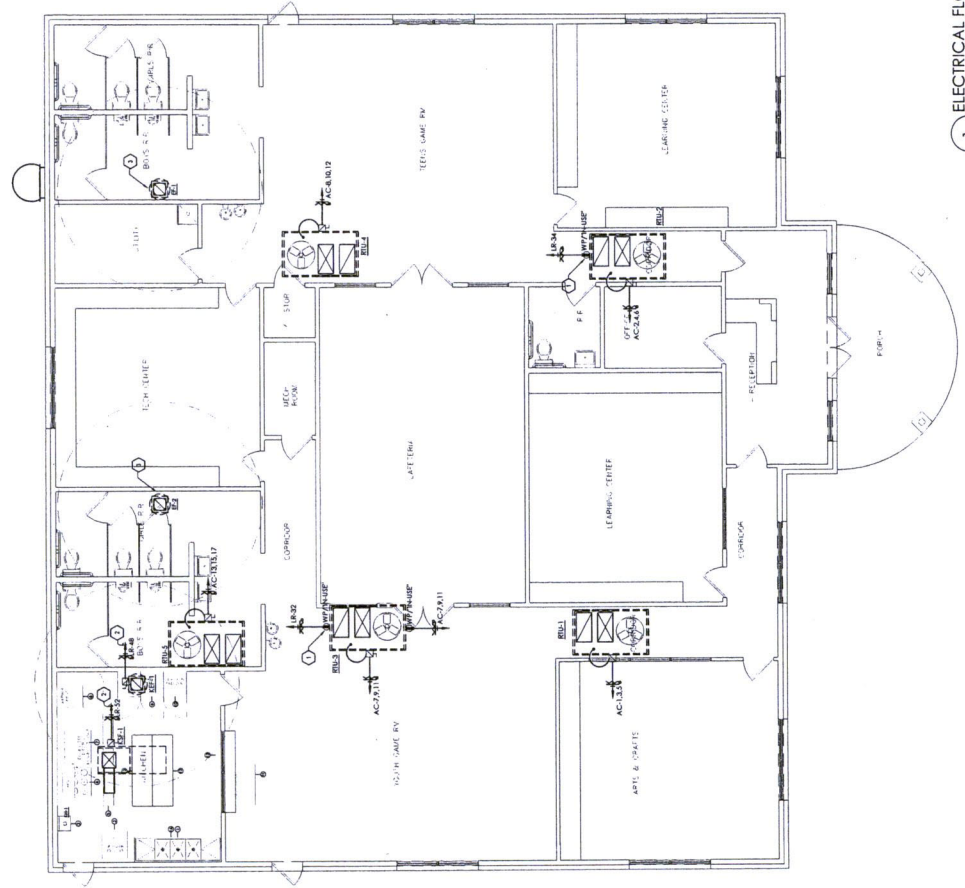
TEXAS

# LA MILPAS PARK YOUTH FACILITY CLASSROOMS

PHARR

E3.1

- GENERAL NOTES: POWER**
- VERIFY THE LOCATION OF ALL POWER SOURCE AND SERVICE ENTRANCES AND THE LOCATION OF ALL ELECTRICAL PANELS AND EQUIPMENT IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
  - ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO R.V.A.C. EQUIPMENT, FURNISHING EQUIPMENT, REFER TO PANEL SCHEDULE FOR WIRING SCHEDULE AND THE LOCATION OF ALL ELECTRICAL PANELS AND EQUIPMENT. VERIFY THE LOCATION OF ALL ELECTRICAL ACCESSORIES FOR MECHANICAL SYSTEMS AS REQUIRED.
  - COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH MECHANICAL DRAWINGS TO AVOID ELECTRICAL AND MECHANICAL CONFLICTS.
  - COORDINATE EXACT LOCATION OF BOUNDARIES FOR COMPARTMENTS WITH OWNER.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE JOB AND CONDUIT FOR V.A.C. EQUIPMENT, REFER TO PANEL SCHEDULE FOR WIRING SCHEDULE AND THE LOCATION OF ALL ELECTRICAL PANELS AND EQUIPMENT. VERIFY THE LOCATION OF ALL ELECTRICAL ACCESSORIES FOR MECHANICAL SYSTEMS AS REQUIRED.
  - COORDINATE EXACT LOCATION OF BOUNDARIES FOR COMPARTMENTS WITH OWNER.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE JOB AND CONDUIT FOR V.A.C. EQUIPMENT, REFER TO PANEL SCHEDULE FOR WIRING SCHEDULE AND THE LOCATION OF ALL ELECTRICAL PANELS AND EQUIPMENT. VERIFY THE LOCATION OF ALL ELECTRICAL ACCESSORIES FOR MECHANICAL SYSTEMS AS REQUIRED.
  - COORDINATE EXACT LOCATION OF BOUNDARIES FOR COMPARTMENTS WITH OWNER.
  - ALL ELECTRICAL WORK SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR. ALL ELECTRICAL WORK SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR. ALL ELECTRICAL WORK SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR. ALL ELECTRICAL WORK SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR.
- KEYED NOTES: LIGHTING**
- VERIFY THE LOCATION OF ALL LIGHTING FIXTURES AND THE LOCATION OF ALL LIGHTING EQUIPMENT IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
  - VERIFY THE LOCATION OF ALL LIGHTING FIXTURES AND THE LOCATION OF ALL LIGHTING EQUIPMENT IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
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  - VERIFY THE LOCATION OF ALL LIGHTING FIXTURES AND THE LOCATION OF ALL LIGHTING EQUIPMENT IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.



1 ELECTRICAL FLOOR PLAN  
 SCALE: 3/16"=1'-0"



PROJECT # : 14-111  
 DATE: 05/14/19  
 CHECKED BY: UM

REVISION:

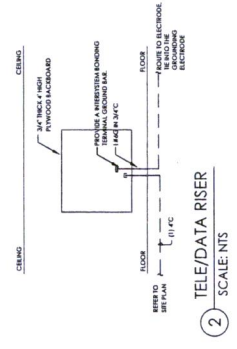


- GENERAL NOTES:**
- A. CONDUIT SHALL BE INSTALLED ON THE NATIONAL ELECTRICAL CODE.
  - B. WIRING SHALL BE PROVIDED FOR ALL ELECTRICAL SWITCHGEAR PANEL BOARD.
  - C. LIGHTING CONTROL, LIGHTING CONTROL PANEL, ETC. BY ELECTRICAL CONTRACTOR.
  - D. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL CITY ORDINANCES. VERIFY AND COORDINATE WITH POWER UTILITY CO. AND AIR BEFORE ANY INSTALLATION.
  - E. ALL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
  - F. ALL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
  - G. ALL TWO SECTION PANELBOARDS SHALL BE FIELD MOUNTED.
  - H. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PHARR AND THE PHARR ISLAND MARRIAGE CENTER ELECTRICAL SERVICE COMPANY PRIOR TO ANY WORK. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL CITY ORDINANCES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PHARR AND THE PHARR ISLAND MARRIAGE CENTER ELECTRICAL SERVICE COMPANY PRIOR TO ANY WORK.
- ELECTRICAL RISER**
- DIAGRAMMED NOTE:**
- 1) MAIN DISTRIBUTION PANELBOARD "MFP"
  - 2) FIRST ELECTRICAL SERVICE METER "METER"
  - 3) ALLOCATION OF METER, METER SOCKETS AND METER VIBRATOR COMPONENT
  - 4) CONDUIT FROM METER TO MAIN DISTRIBUTION PANELBOARD
  - 5) METER AND METER "M" FOR METER PRIMARY BACKUP TO POWER SOURCE AS PER CITY OF PHARR REQUIREMENTS
  - 6) CONDUIT FROM METER TO MAIN DISTRIBUTION PANELBOARD
  - 7) METER SOCKET COVER GLASS DOOR. PROVIDE GROUNDING AS PER NEC REQUIREMENT
  - 8) FIRST ELECTRICAL SERVICE DOOR. PROVIDE GROUNDING AS PER NEC REQUIREMENT
  - 9) METER "M"
  - 10) METER SOCKET
  - 11) CONDUIT FROM METER TO MAIN DISTRIBUTION PANELBOARD
  - 12) CONDUIT FROM MAIN DISTRIBUTION PANELBOARD TO TELE/DATA RISER
  - 13) METER SOCKET COVER GLASS DOOR. PROVIDE GROUNDING AS PER NEC REQUIREMENT
  - 14) METER "M"

DESCRIPTION	TOTAL KVA
LIGHTING	10
GENERAL POWER	140
A/C	2
WATER HEATER	2
<b>TOTAL WATTS:</b>	<b>262 KVA</b>
<b>TOTAL AMPS:</b>	<b>778 AMPS</b>
<b>TOTAL AMPERE HOURS:</b>	<b>1000 AMPH</b>

LABEL	DESCRIPTION
RF1-2,3,4	30AMP, 30, 0V, 120V, 200V, 240V, 480V, 600V, 720V, 840V, 960V, 1080V, 1200V, 1320V, 1440V, 1560V, 1680V, 1800V, 1920V, 2040V, 2160V, 2280V, 2400V, 2520V, 2640V, 2760V, 2880V, 3000V, 3120V, 3240V, 3360V, 3480V, 3600V, 3720V, 3840V, 3960V, 4080V, 4200V, 4320V, 4440V, 4560V, 4680V, 4800V, 4920V, 5040V, 5160V, 5280V, 5400V, 5520V, 5640V, 5760V, 5880V, 6000V, 6120V, 6240V, 6360V, 6480V, 6600V, 6720V, 6840V, 6960V, 7080V, 7200V, 7320V, 7440V, 7560V, 7680V, 7800V, 7920V, 8040V, 8160V, 8280V, 8400V, 8520V, 8640V, 8760V, 8880V, 9000V, 9120V, 9240V, 9360V, 9480V, 9600V, 9720V, 9840V, 9960V, 10080V, 10200V, 10320V, 10440V, 10560V, 10680V, 10800V, 10920V, 11040V, 11160V, 11280V, 11400V, 11520V, 11640V, 11760V, 11880V, 12000V
RF1-5	30AMP, 30, 0V, 120V, 200V, 240V, 480V, 600V, 720V, 840V, 960V, 1080V, 1200V, 1320V, 1440V, 1560V, 1680V, 1800V, 1920V, 2040V, 2160V, 2280V, 2400V, 2520V, 2640V, 2760V, 2880V, 3000V, 3120V, 3240V, 3360V, 3480V, 3600V, 3720V, 3840V, 3960V, 4080V, 4200V, 4320V, 4440V, 4560V, 4680V, 4800V, 4920V, 5040V, 5160V, 5280V, 5400V, 5520V, 5640V, 5760V, 5880V, 6000V, 6120V, 6240V, 6360V, 6480V, 6600V, 6720V, 6840V, 6960V, 7080V, 7200V, 7320V, 7440V, 7560V, 7680V, 7800V, 7920V, 8040V, 8160V, 8280V, 8400V, 8520V, 8640V, 8760V, 8880V, 9000V, 9120V, 9240V, 9360V, 9480V, 9600V, 9720V, 9840V, 9960V, 10080V, 10200V, 10320V, 10440V, 10560V, 10680V, 10800V, 10920V, 11040V, 11160V, 11280V, 11400V, 11520V, 11640V, 11760V, 11880V, 12000V
RF1-6	STARTER, 30AMP, 18, 30V, 120V, 150V
RF1-7	STARTER, 30AMP, 18, 30V, 120V, 150V

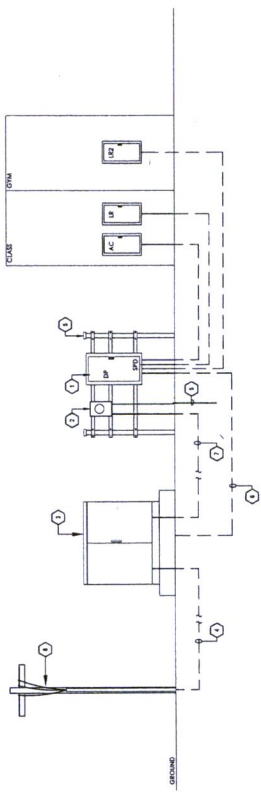
NOTE: REFER TO BRACKETED PART NUMBER FOR DISCONNECT PANELS AND VOLTAGE.



SYMBOL	ACTIVITY NUMBER	CONDUIT	COMMENTS
RF1-2,3,4	10AMP, 10, 0V, 120V, 200V, 240V, 480V, 600V, 720V, 840V, 960V, 1080V, 1200V, 1320V, 1440V, 1560V, 1680V, 1800V, 1920V, 2040V, 2160V, 2280V, 2400V, 2520V, 2640V, 2760V, 2880V, 3000V, 3120V, 3240V, 3360V, 3480V, 3600V, 3720V, 3840V, 3960V, 4080V, 4200V, 4320V, 4440V, 4560V, 4680V, 4800V, 4920V, 5040V, 5160V, 5280V, 5400V, 5520V, 5640V, 5760V, 5880V, 6000V, 6120V, 6240V, 6360V, 6480V, 6600V, 6720V, 6840V, 6960V, 7080V, 7200V, 7320V, 7440V, 7560V, 7680V, 7800V, 7920V, 8040V, 8160V, 8280V, 8400V, 8520V, 8640V, 8760V, 8880V, 9000V, 9120V, 9240V, 9360V, 9480V, 9600V, 9720V, 9840V, 9960V, 10080V, 10200V, 10320V, 10440V, 10560V, 10680V, 10800V, 10920V, 11040V, 11160V, 11280V, 11400V, 11520V, 11640V, 11760V, 11880V, 12000V	3/4" NPT	PROVIDE POWER PANEL POWERED AS DIRECTED BY ELECTRICAL CONTRACTOR. PROVIDE POWER PANEL TO BE INSTALLED IN THE METER ROOM AND BE INSTALLED ON THE NATIONAL ELECTRICAL CODE.
RF1-5	30AMP, 30, 0V, 120V, 200V, 240V, 480V, 600V, 720V, 840V, 960V, 1080V, 1200V, 1320V, 1440V, 1560V, 1680V, 1800V, 1920V, 2040V, 2160V, 2280V, 2400V, 2520V, 2640V, 2760V, 2880V, 3000V, 3120V, 3240V, 3360V, 3480V, 3600V, 3720V, 3840V, 3960V, 4080V, 4200V, 4320V, 4440V, 4560V, 4680V, 4800V, 4920V, 5040V, 5160V, 5280V, 5400V, 5520V, 5640V, 5760V, 5880V, 6000V, 6120V, 6240V, 6360V, 6480V, 6600V, 6720V, 6840V, 6960V, 7080V, 7200V, 7320V, 7440V, 7560V, 7680V, 7800V, 7920V, 8040V, 8160V, 8280V, 8400V, 8520V, 8640V, 8760V, 8880V, 9000V, 9120V, 9240V, 9360V, 9480V, 9600V, 9720V, 9840V, 9960V, 10080V, 10200V, 10320V, 10440V, 10560V, 10680V, 10800V, 10920V, 11040V, 11160V, 11280V, 11400V, 11520V, 11640V, 11760V, 11880V, 12000V	3/4" NPT	POWER PANEL, 30, 30, 277V, VAC, 120/240V, 208/240V, 240V, 480V, 600V, 720V, 840V, 960V, 1080V, 1200V, 1320V, 1440V, 1560V, 1680V, 1800V, 1920V, 2040V, 2160V, 2280V, 2400V, 2520V, 2640V, 2760V, 2880V, 3000V, 3120V, 3240V, 3360V, 3480V, 3600V, 3720V, 3840V, 3960V, 4080V, 4200V, 4320V, 4440V, 4560V, 4680V, 4800V, 4920V, 5040V, 5160V, 5280V, 5400V, 5520V, 5640V, 5760V, 5880V, 6000V, 6120V, 6240V, 6360V, 6480V, 6600V, 6720V, 6840V, 6960V, 7080V, 7200V, 7320V, 7440V, 7560V, 7680V, 7800V, 7920V, 8040V, 8160V, 8280V, 8400V, 8520V, 8640V, 8760V, 8880V, 9000V, 9120V, 9240V, 9360V, 9480V, 9600V, 9720V, 9840V, 9960V, 10080V, 10200V, 10320V, 10440V, 10560V, 10680V, 10800V, 10920V, 11040V, 11160V, 11280V, 11400V, 11520V, 11640V, 11760V, 11880V, 12000V
RF1-6	STARTER, 30AMP, 18, 30V, 120V, 150V	3/4" NPT	POWER PANEL, 30, 30, 277V, VAC, 120/240V, 208/240V, 240V, 480V, 600V, 720V, 840V, 960V, 1080V, 1200V, 1320V, 1440V, 1560V, 1680V, 1800V, 1920V, 2040V, 2160V, 2280V, 2400V, 2520V, 2640V, 2760V, 2880V, 3000V, 3120V, 3240V, 3360V, 3480V, 3600V, 3720V, 3840V, 3960V, 4080V, 4200V, 4320V, 4440V, 4560V, 4680V, 4800V, 4920V, 5040V, 5160V, 5280V, 5400V, 5520V, 5640V, 5760V, 5880V, 6000V, 6120V, 6240V, 6360V, 6480V, 6600V, 6720V, 6840V, 6960V, 7080V, 7200V, 7320V, 7440V, 7560V, 7680V, 7800V, 7920V, 8040V, 8160V, 8280V, 8400V, 8520V, 8640V, 8760V, 8880V, 9000V, 9120V, 9240V, 9360V, 9480V, 9600V, 9720V, 9840V, 9960V, 10080V, 10200V, 10320V, 10440V, 10560V, 10680V, 10800V, 10920V, 11040V, 11160V, 11280V, 11400V, 11520V, 11640V, 11760V, 11880V, 12000V
RF1-7	STARTER, 30AMP, 18, 30V, 120V, 150V	3/4" NPT	POWER PANEL, 30, 30, 277V, VAC, 120/240V, 208/240V, 240V, 480V, 600V, 720V, 840V, 960V, 1080V, 1200V, 1320V, 1440V, 1560V, 1680V, 1800V, 1920V, 2040V, 2160V, 2280V, 2400V, 2520V, 2640V, 2760V, 2880V, 3000V, 3120V, 3240V, 3360V, 3480V, 3600V, 3720V, 3840V, 3960V, 4080V, 4200V, 4320V, 4440V, 4560V, 4680V, 4800V, 4920V, 5040V, 5160V, 5280V, 5400V, 5520V, 5640V, 5760V, 5880V, 6000V, 6120V, 6240V, 6360V, 6480V, 6600V, 6720V, 6840V, 6960V, 7080V, 7200V, 7320V, 7440V, 7560V, 7680V, 7800V, 7920V, 8040V, 8160V, 8280V, 8400V, 8520V, 8640V, 8760V, 8880V, 9000V, 9120V, 9240V, 9360V, 9480V, 9600V, 9720V, 9840V, 9960V, 10080V, 10200V, 10320V, 10440V, 10560V, 10680V, 10800V, 10920V, 11040V, 11160V, 11280V, 11400V, 11520V, 11640V, 11760V, 11880V, 12000V

**GENERAL NOTES:**

1. CONTRACTOR SHALL REFER TO MANUFACTURER'S SPECIFICATIONS AND WIRING DIAGRAMS PRIOR TO BID.
2. CONTRACTOR SHALL INCLUDE ALL CODES IN BID FOR AN OPERABLE LIGHTING SYSTEM.
3. All new locations are approximate, refer to manufacturer installation instructions prior to installation.
4. Electronic ceiling mount sensors should be located at minimum of 48" from any AC application work.
5. All wiring shall be in accordance with the National Electrical Code (NEC) and all applicable codes and standards.
6. All wiring shall be in accordance with the National Electrical Code (NEC) and all applicable codes and standards.
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100. All wiring shall be in accordance with the National Electrical Code (NEC) and all applicable codes and standards.











# LA MILPAS PARK YOUTH FACILITY

PHARR

P1.2

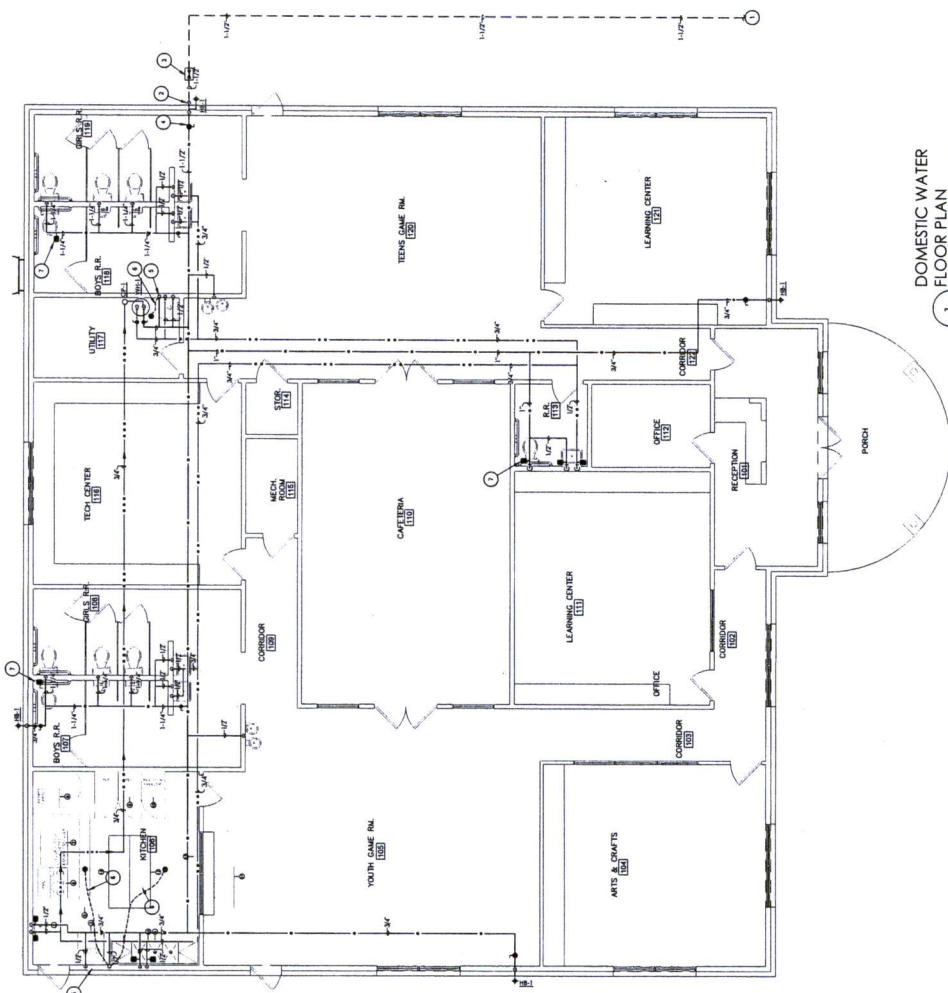
PROJECT # : .....  
 DATE: 06/14/19  
 CHECKED BY: LAM

REVISION:

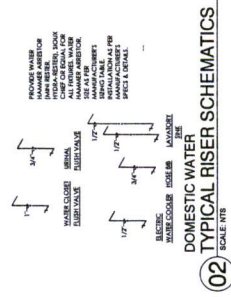
TEXAS



- NOTE: PROVIDE DOMESTIC WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES. PROVIDE WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES. PROVIDE WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES.
- REQUIRED NOTE: PLUMBING
1. PROVIDE DOMESTIC WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES. PROVIDE WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES.
  2. PROVIDE DOMESTIC WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES. PROVIDE WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES.
  3. PROVIDE DOMESTIC WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES. PROVIDE WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES.
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  5. PROVIDE DOMESTIC WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES. PROVIDE WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES.
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  8. PROVIDE DOMESTIC WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES. PROVIDE WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES.
  9. PROVIDE DOMESTIC WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES. PROVIDE WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES.
  10. PROVIDE DOMESTIC WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES. PROVIDE WATER TO ALL ROOMS FOR SINKS, TOILETS, SHOWERS, TUBS, AND OTHER WATER FIXTURES.



DOMESTIC WATER FLOOR PLAN  
 SCALE: 3/16"=1'-0"



DOMESTIC WATER TYPICAL RISER SCHEMATICS  
 SCALE: 1/8"=1'-0"







# LA MILPAS PARK YOUTH FACILITY

## GYM

TEXAS

PHARR

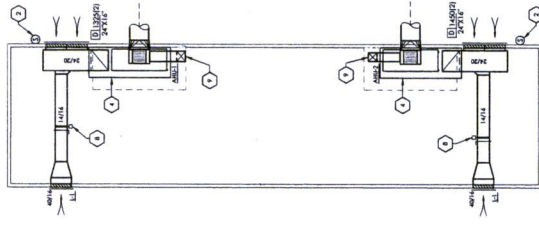
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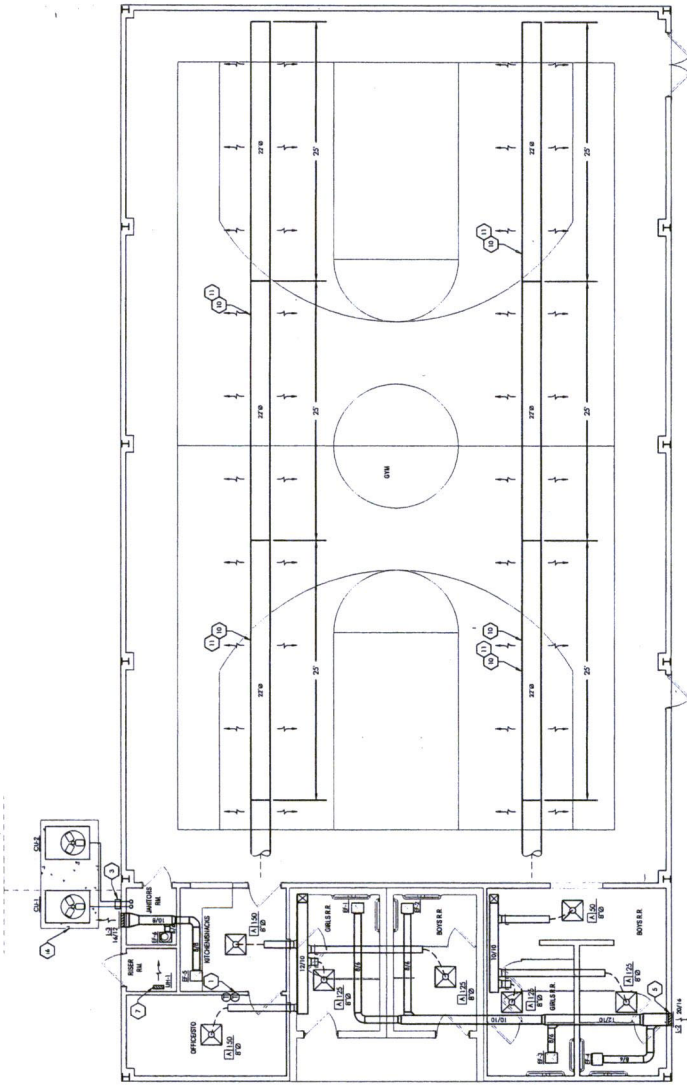
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MEP ENGINEERING  
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2 MECHANICAL MEZZANINE  
SCALE: 3/16"=1'-0"



1 FLOOR PLAN  
SCALE: 3/16"=1'-0"

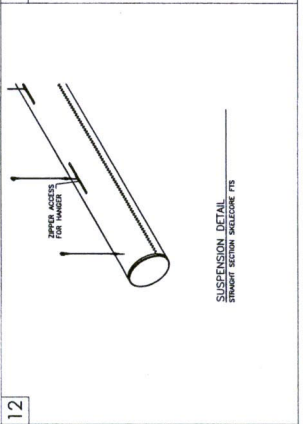
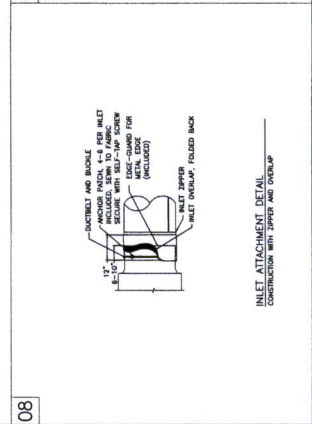
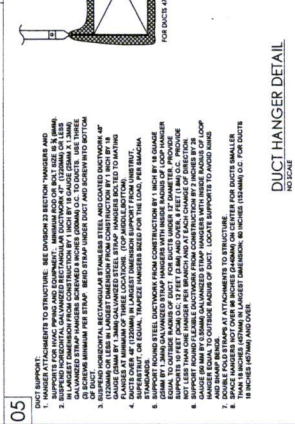
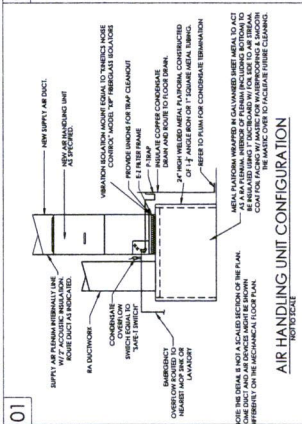
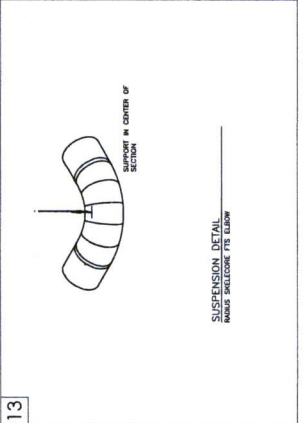
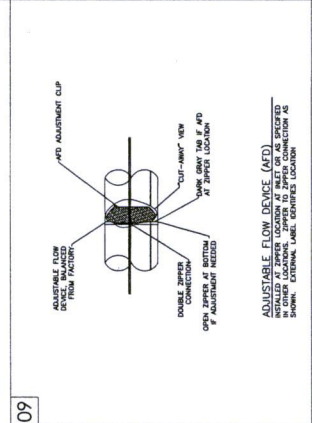
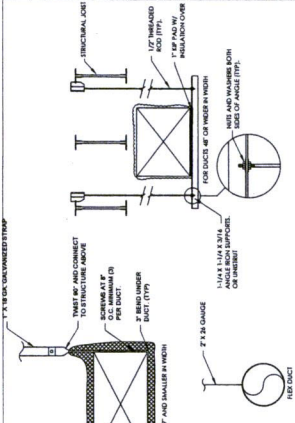
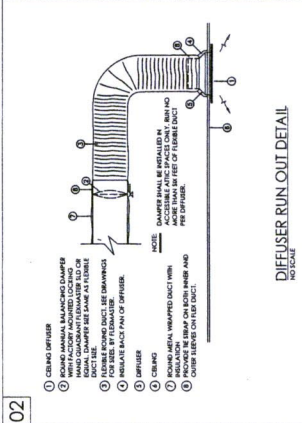
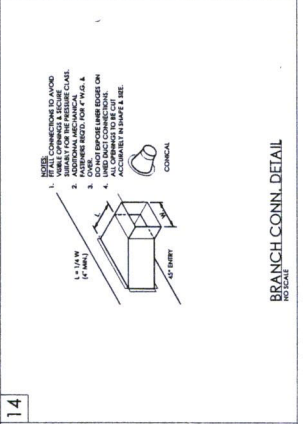
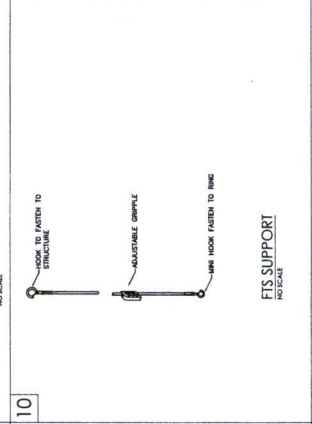
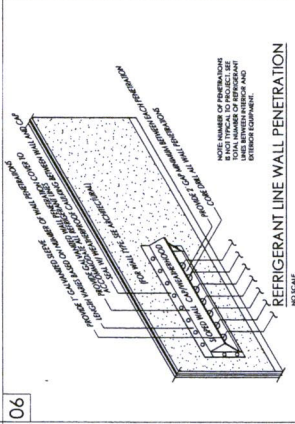
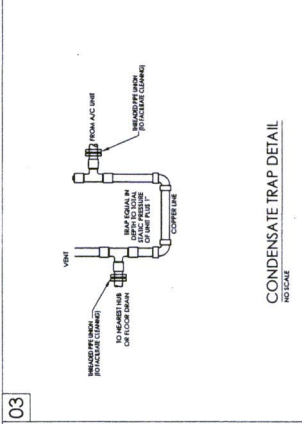
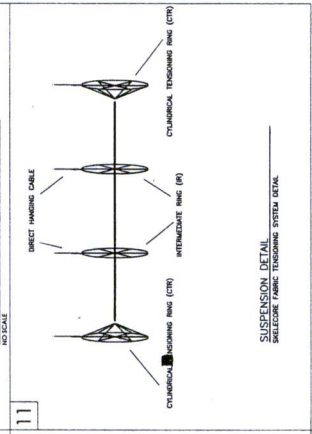
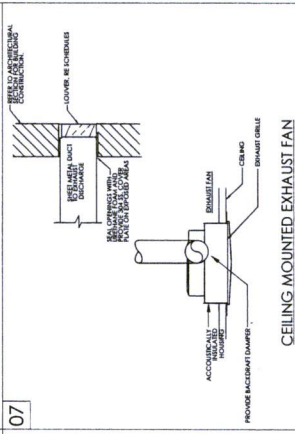
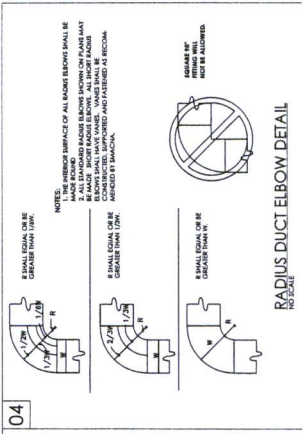
**KEYED NOTES: MECHANICAL**

- 1 CONTROL ROOM SHALL BE 10' X 10' WITH 2" MINIMUM PERFORMANCE GLASS PARTIALLY TRANSPARENT TO ALLOW VISIBILITY TO FLOOR LEVEL. FIELD SHALL BE 8' X 8' WITH 2" MINIMUM PERFORMANCE GLASS PARTIALLY TRANSPARENT TO ALLOW VISIBILITY TO FLOOR LEVEL.
- 2 BRACKET TEMPERATURE SENSOR TO BE INSTALLED NEXT TO RETURN AIR GRILLE. FIELD SHALL BE 8' X 8' WITH 2" MINIMUM PERFORMANCE GLASS PARTIALLY TRANSPARENT TO ALLOW VISIBILITY TO FLOOR LEVEL.
- 3 PROVIDE BY SPRINKLER THE WALL PENETRATION HOISTING PANEL SHALL TO BE 24" X 24" X 1/2" THICK WITH 2" MINIMUM PERFORMANCE GLASS PARTIALLY TRANSPARENT TO ALLOW VISIBILITY TO FLOOR LEVEL. FIELD SHALL BE 8' X 8' WITH 2" MINIMUM PERFORMANCE GLASS PARTIALLY TRANSPARENT TO ALLOW VISIBILITY TO FLOOR LEVEL.
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- 10 PROVIDE BY SPRINKLER THE WALL PENETRATION HOISTING PANEL SHALL TO BE 24" X 24" X 1/2" THICK WITH 2" MINIMUM PERFORMANCE GLASS PARTIALLY TRANSPARENT TO ALLOW VISIBILITY TO FLOOR LEVEL. FIELD SHALL BE 8' X 8' WITH 2" MINIMUM PERFORMANCE GLASS PARTIALLY TRANSPARENT TO ALLOW VISIBILITY TO FLOOR LEVEL.
- 11 TOP OF DUCT TO BE 8" TO 10" TO STRUCTURE.



PROJECT # :  
DATE: 06/14/19  
CHECKED BY: LJM

REVISION:



PROJECT # : 04-11-11  
 DATE: 06/14/19  
 CHECKED BY: LM

REVISION:

TEXAS

# LA MILPAS PARK YOUTH FACILITY

PHARR

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### AIR HANDLING UNIT SCHEDULE

TAG	DESCRIPTION	UNIT TYPE	MANUFACTURER	MODEL	NOTES
01	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1
02	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1

### FAN SCHEDULE

TAG	DESCRIPTION	TYPE	MANUFACTURER	MODEL	NOTES
01	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1
02	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1

### CONDENSING UNIT SCHEDULE

TAG	DESCRIPTION	TYPE	MANUFACTURER	MODEL	NOTES
01	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1
02	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1

### AIR DEVICE SCHEDULE

TAG	DESCRIPTION	TYPE	MANUFACTURER	MODEL	NOTES
01	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1
02	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1

### LOUVER SCHEDULE

TAG	DESCRIPTION	TYPE	MANUFACTURER	MODEL	NOTES
01	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1
02	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1

### UNIT HEATER SCHEDULE

TAG	DESCRIPTION	TYPE	MANUFACTURER	MODEL	NOTES
01	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1
02	ROOF MOUNTED PACKAGED UNIT	RTU	DAIKIN	RTU360	1

### DETAILS AND ACCESSORIES

ITEM	DESCRIPTION	MANUFACTURER	MODEL	NOTES
1	ROOF MOUNTED PACKAGED UNIT	DAIKIN	RTU360	1
2	ROOF MOUNTED PACKAGED UNIT	DAIKIN	RTU360	1

### DETAILS AND ACCESSORIES

ITEM	DESCRIPTION	MANUFACTURER	MODEL	NOTES
1	ROOF MOUNTED PACKAGED UNIT	DAIKIN	RTU360	1
2	ROOF MOUNTED PACKAGED UNIT	DAIKIN	RTU360	1

### DETAILS AND ACCESSORIES

ITEM	DESCRIPTION	MANUFACTURER	MODEL	NOTES
1	ROOF MOUNTED PACKAGED UNIT	DAIKIN	RTU360	1
2	ROOF MOUNTED PACKAGED UNIT	DAIKIN	RTU360	1

### DETAILS AND ACCESSORIES

ITEM	DESCRIPTION	MANUFACTURER	MODEL	NOTES
1	ROOF MOUNTED PACKAGED UNIT	DAIKIN	RTU360	1
2	ROOF MOUNTED PACKAGED UNIT	DAIKIN	RTU360	1

NOTES:  
 01. COORDINATE COLOR OF AIR DEVICE & FRAME BY ARCHITECT.  
 02. LOUVER OPERABLE TO BE LIFT UP.  
 03. SEAL OFFERS WEATHER TIGHT.

NOTES:  
 01. PROVIDE WITH FACTORY INSTALLED DISCONNECT.  
 02. PROVIDE BY FAN SPEED CONTROLLER.  
 03. PROVIDE BY ARCHITECT'S DIMENSION.  
 04. PROVIDE BY FANED DELAY SWITCH.  
 05. PROVIDE BY WALL MOUNTED SWITCH LABELED TRANSMIT FAN.

NOTES:  
 01. PROVIDE CONDENSER BY FACILITY HAS GUARTEE & SERVICE SCHEDULE MONITORING BE.  
 02. PROVIDE BY SINGLE POINT FINE TUNE. COORDINATE LENGTH, ACCESSORIES AND.  
 03. PROVIDE BY ARCHITECT'S DIMENSION.  
 04. PROVIDE BY ARCHITECT'S DIMENSION.  
 05. PROVIDE BY ARCHITECT'S DIMENSION.  
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 14. PROVIDE BY ARCHITECT'S DIMENSION.  
 15. PROVIDE BY ARCHITECT'S DIMENSION.

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 15. PROVIDE BY ARCHITECT'S DIMENSION.

# LA MILPAS PARK YOUTH FACILITY GYM

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PROJECT # : .....  
DATE: 06/14/19  
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REVISION:

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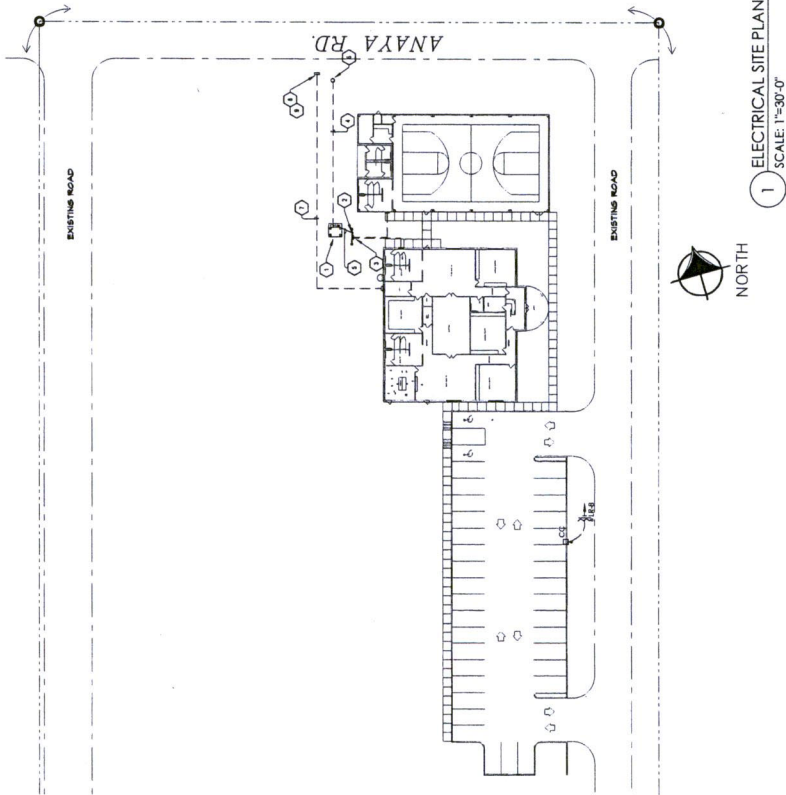


### GENERAL ELECTRICAL NOTES (TO ALL SHEETS)

- A. CONTRACTOR TO VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- B. CONTRACTOR IS RESPONSIBLE FOR ALL EDUCATION, TRAINING AND BACKLOGGING. COORDINATE WITH ALL UTILITIES PRIOR TO INSTALLATION. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- C. CONTRACTOR TO VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- D. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- E. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- F. VERIFY ALL JOB SITE EXACT LOCATIONS OF STRUCTURAL MEMBERS SUCH AS BEAMS, COLUMNS, AND WALLS. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- G. IN COOPERATION WITH OTHER CONTRACTORS, DETERMINE THE EXACT LOCATION OF ALL STRUCTURAL MEMBERS. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- H. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- I. VERIFY ALL JOB SITE GENERAL WORK TO BE DONE AS SPECIFIED. AS NOTED, OR AS REQUIRED FOR INSTALLATION ELECTRICAL. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- J. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
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- L. ALL WIRING SHALL BE COPPER.
- M. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- N. ADVISOR FOR SERVICES OF TEMPORARY CONSTRUCTION SERVICE, SUCH AS LIGHTING, SHALL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- O. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- P. CONTRACTOR IS RESPONSIBLE TO CALL 800-555-1234 2 BUSINESS DAYS IN ADVANCE.

### KEYED NOTES: ELECTRICAL

- 1 NEW POWER COMPANY AND LOCATED UNDERGROUND POWER CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH THE ELECTRICAL CODE. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
- 2 NEW AMM AND DISTRIBUTION PANELBOARD "MAY".
- 3 CONTRACTOR TO PROVIDE AND INSTALL PVC CONDUIT FROM NEW WIRE TO EXISTING ELECTRICAL SERVICE. CONTRACTOR SHALL VERIFY ALL DRIVING AND TELEPHONE SERVICES AND LOCATIONS. CONTRACTOR SHALL INCLUDE ANY COST FOR NEW WIRE AND MATERIALS IN THE BIDDING PRICE.
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REVISION:



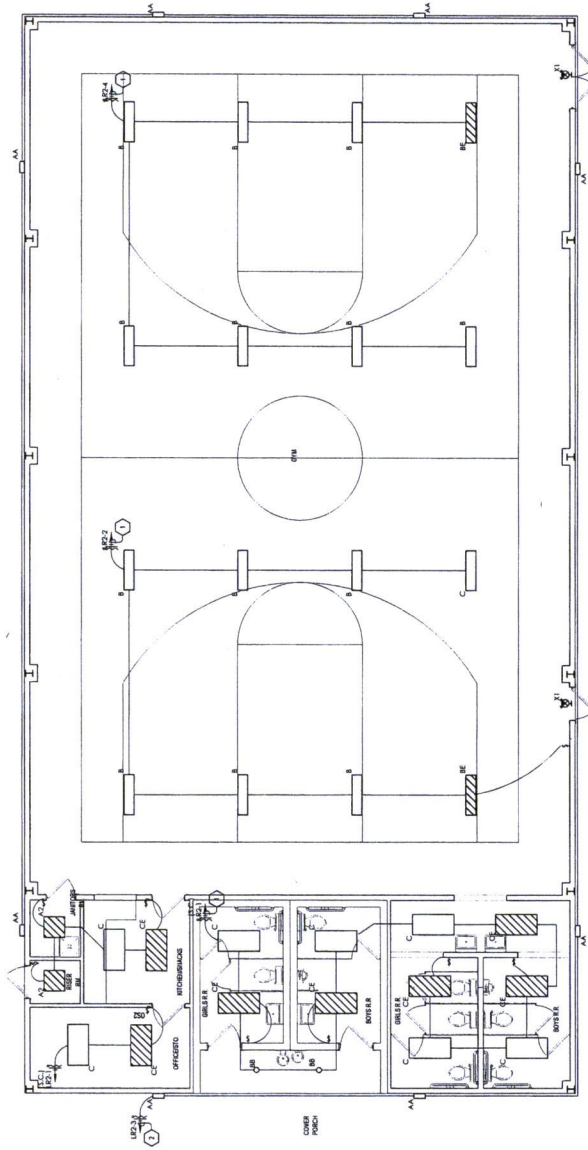
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3000 W. PARKWAY #100  
PHARR, TEXAS 77460  
Phone: 361-422-1111  
Fax: 361-422-1112  
Project Number: 18-0214

### GENERAL NOTES: LIGHTING

- A. ALL LIGHT FIXTURES SHALL BE EGRESS LIGHT FIXTURE TYPE "A" AND ALL "A" AND "B" LIGHT FIXTURES WITH EMERGENCY BALLAST. REFER TO LIGHT FIXTURE SCHEDULE FOR LIGHT FIXTURE SCHEDULE.
- B. VERIFY CEILING TYPES AND COORDINATE WITH FIXTURE TYPE LIGHT FIXTURE SHALL BE COMPATIBLE WITH CEILING TYPE AS INDICATED ON THE ARCHITECTURAL DRAWINGS. LIGHT FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH TYPICAL FOR ALL BUILDING EXTERIOR LIGHTING.
- C. COORDINATE THE LOCATION OF LIGHT FIXTURES WITH OTHERS IN BUILDING.
- D. COORDINATE LOCATION OF LIGHT WITH DIFFUSERS AND GRILLES.
- E. SWITCH LEGS ARE NOT SHOWN WHERE SWITCHING SCHEME IS COMPLEX.

### KEYED NOTES: LIGHTING

- ① CONTROLLED VIA LIGHTING CONTROL PANEL 1, LOT 7



1 LIGHTING PLAN  
SCALE: 3/16"=1'-0"

# LA MILPAS PARK YOUTH FACILITY GYM

PHARR

TEXAS

E2.1

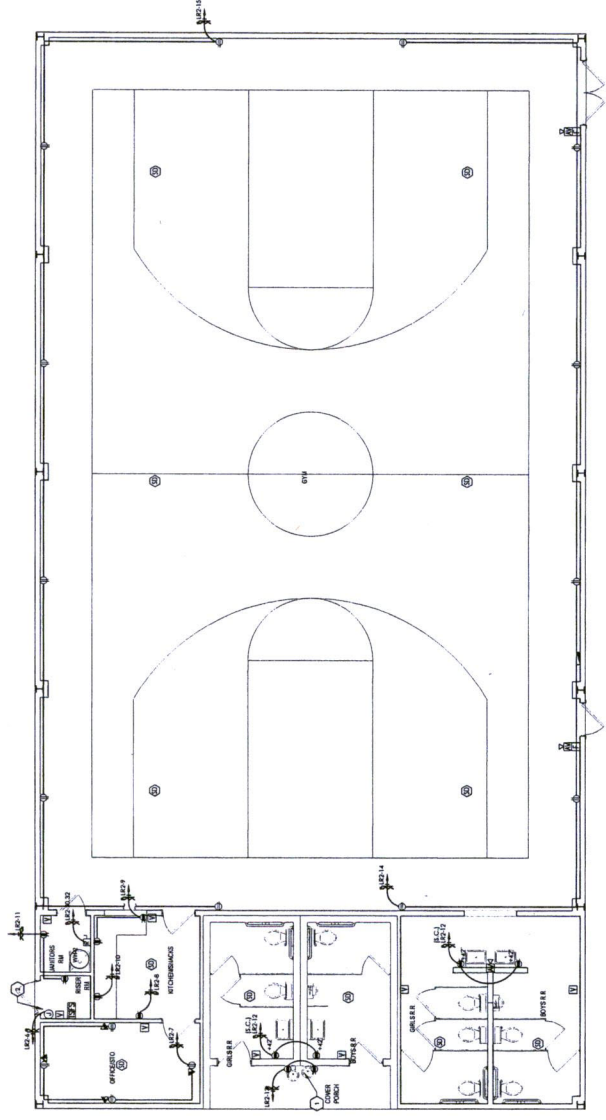
PROJECT # : 0614/19  
DATE: 06/14/19  
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REVISION:



**TRINITY**  
MEP ENGINEERING  
3808 Alford Rd. Suite 100, Pharr, TX 77566  
Phone: 361-281-1111  
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Project Number: 185214

- GENERAL NOTES: POWER**
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WITH MECHANICAL CONTRACTOR AND MECHANICAL CONTRACTOR TO MEET ALL A.C. REQUIREMENTS. REFER TO PANEL SCHEDULE FOR WIRE SIZE.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRING, RECEPTS, CONDUITS AND THE NECESSARY SUPPORTS FOR ALL ELECTRICAL WORK.
  - COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT AS ACCORDANCE WITH MECHANICAL CONTRACTOR'S REQUIREMENTS AND MECHANICAL CONTRACTOR'S ADVISE TO MEET ELECTRICAL AND MECHANICAL REQUIREMENTS.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE JAROS AND CONDUIT FOR ALL A.C. CONNECTIONS TO TERMINALS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
  - ISSUE SCHEDULE REFER TO BROWER SEE AND COORDINATE WITH MECHANICAL CONTRACTOR TO MEET ALL ELECTRICAL REQUIREMENTS FOR ALL ELECTRICAL EQUIPMENT PRIOR TO COMMENCING ANY WORK.
- KEYED NOTES: POWER**
- COORDINATE EXACT LOCATION WITH PLUMBER TO CONCEAL CORD BEHIND WALLS AND UNDER FLOORING TO MEET ALL MECHANICAL CONTRACTOR'S REQUIREMENTS TO ANY ROOMS.
  - PROVIDE JAROS FOR FIRE SPRINKLER.



1 POWER FLOOR PLAN  
SCALE: 3/16"=1'-0"

PROJECT # : .....  
DATE: 06/14/19  
CHECKED BY: LM

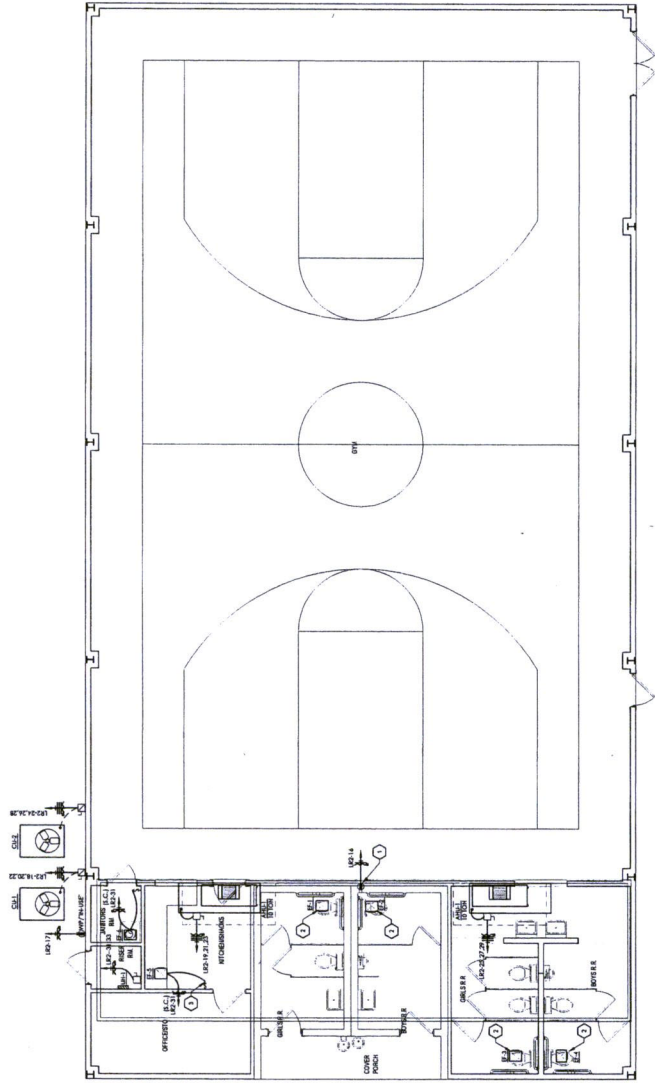
REVISION:



**TRINITY**  
MEP ENGINEERING  
3000 WEST 10TH ST. SUITE 100, PHARR, TX 77566  
PHARR, TEXAS  
Phone: (361) 934-1100  
Fax: (361) 934-1101  
Project Number: 18-5214

- GENERAL NOTES: POWER**
- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.
  - ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL A/C UNITS IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  - REQUIRE ELECTRICAL ACCESSORIES FOR MECHANICAL SYSTEM AS REQUIRED.
  - COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT BY ACCORDANCE WITH THE MECHANICAL CONTRACTOR'S DRAWINGS AND MECHANICAL CONTRACTOR'S REQUIREMENTS BY THE LATEST CODE.
  - COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT BY ACCORDANCE WITH THE MECHANICAL CONTRACTOR'S DRAWINGS AND MECHANICAL CONTRACTOR'S REQUIREMENTS BY THE LATEST CODE.
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  - COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT BY ACCORDANCE WITH THE MECHANICAL CONTRACTOR'S DRAWINGS AND MECHANICAL CONTRACTOR'S REQUIREMENTS BY THE LATEST CODE.

- KEYED NOTES: POWER**
- ① OUTLET RECEPTACLE LOCATED ON MIDDRAWING.
  - ② THE FAN ROOMS LIGHTING CIRCUIT AND INTERLOCK FAN ROOMS LIGHTS, WIRING SHALL BE 20' AWAY FROM THE WALLS TO MAINTAIN CLEARANCE TO THE INTERLOCK & FRAMING.

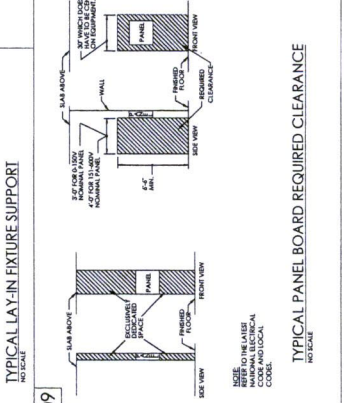
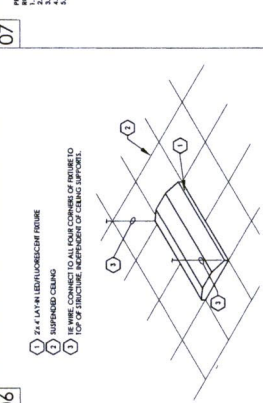
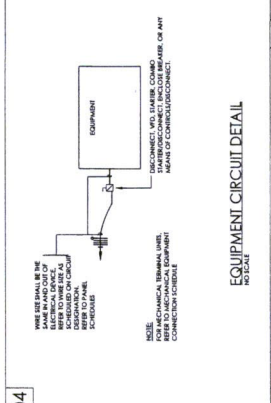
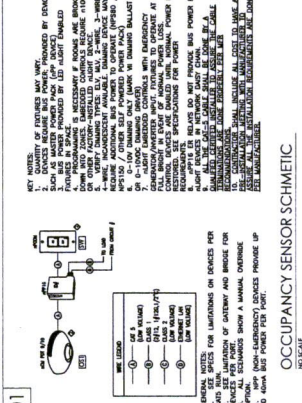
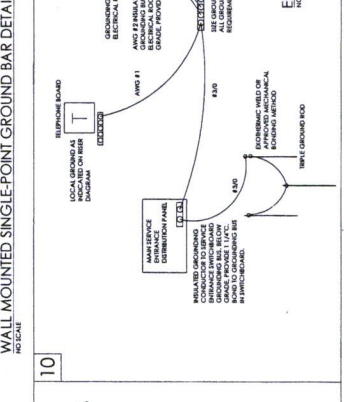
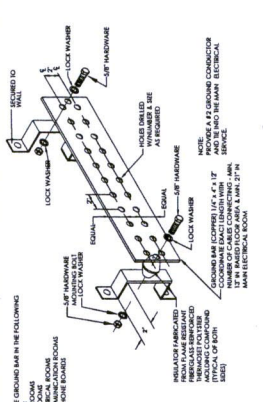
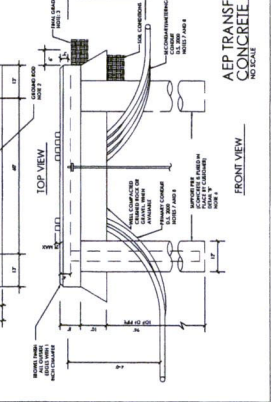
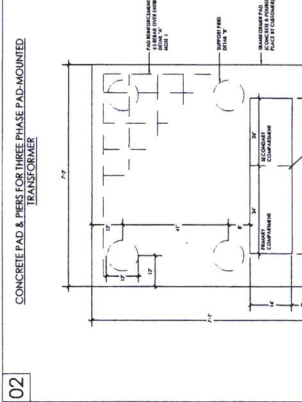
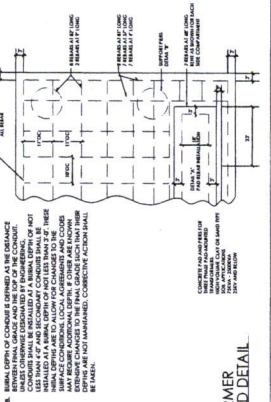
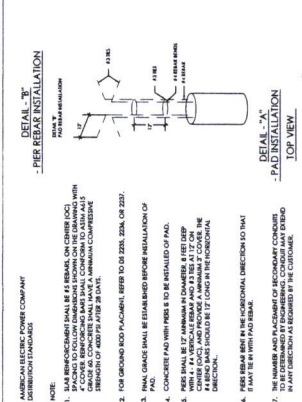
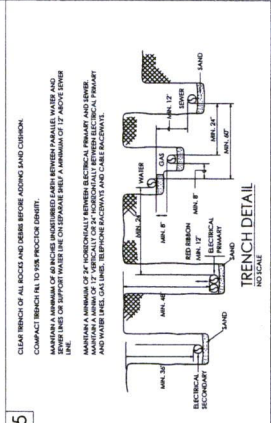
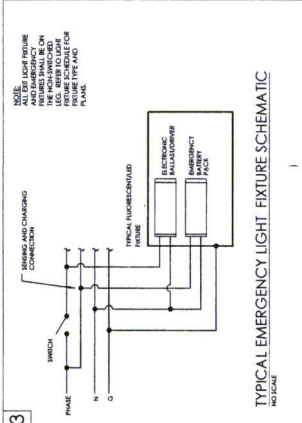


1 EQUIPMENT FLOOR PLAN  
SCALE: 3/16"=1'-0"







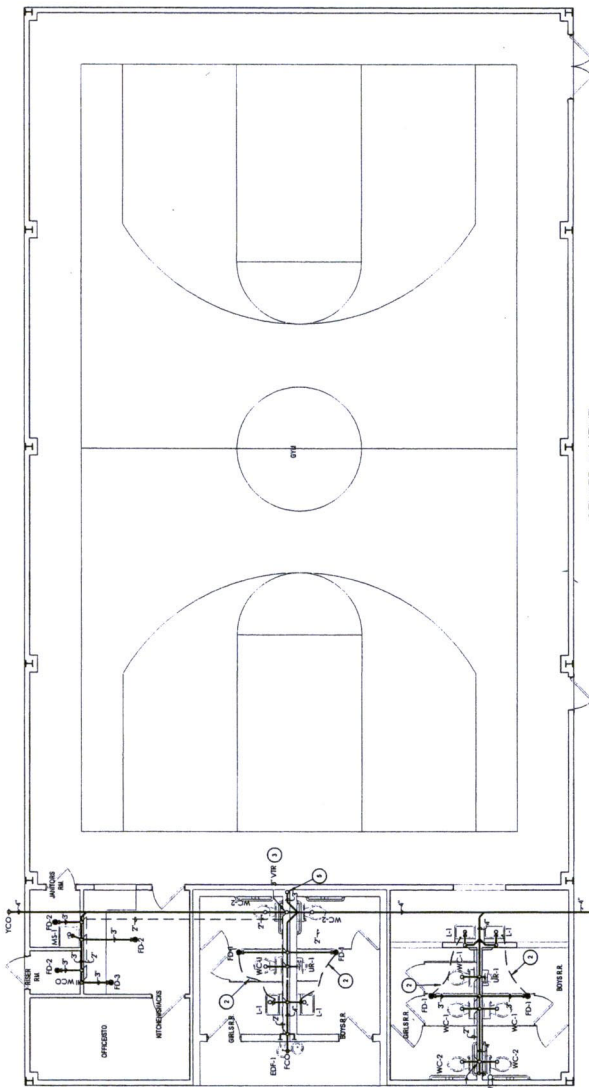




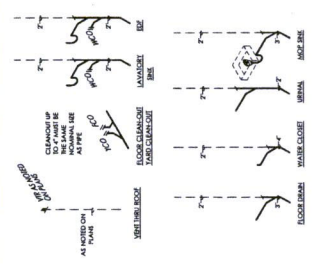
PROJECT # : .....  
 DATE: 05/14/19  
 CHECKED BY: LM  
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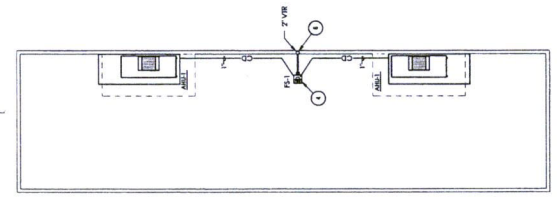
- NOTE:**  
 1. VERIFY ALL PLUMBING AND MECHANICAL WORK IS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL PLUMBING AND MECHANICAL CODES (IPMC) AND THE CODES OF OTHER TRADES.  
 2. VERIFY ALL WORK IS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL PLUMBING AND MECHANICAL CODES (IPMC) AND THE CODES OF OTHER TRADES.  
 3. VERIFY ALL WORK IS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL PLUMBING AND MECHANICAL CODES (IPMC) AND THE CODES OF OTHER TRADES.  
 4. VERIFY ALL WORK IS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL PLUMBING AND MECHANICAL CODES (IPMC) AND THE CODES OF OTHER TRADES.  
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 10. VERIFY ALL WORK IS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL PLUMBING AND MECHANICAL CODES (IPMC) AND THE CODES OF OTHER TRADES.
- KEYED NOTES: PLUMBING**
1. REFER TO CIVIL PLAN FOR COORDINATION OF PLUMBING (IN FEET) AWAY FROM BUILDING.
  2. VERIFY ALL WORK IS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL PLUMBING AND MECHANICAL CODES (IPMC) AND THE CODES OF OTHER TRADES.
  3. VERIFY ALL WORK IS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL PLUMBING AND MECHANICAL CODES (IPMC) AND THE CODES OF OTHER TRADES.
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SEWER & VENT  
 1 PLUMBING FLOOR PLAN  
 SCALE: 3/16"=1'-0"



SEWER & VENT  
 3 TYPICAL RISER SCHEMATIC  
 NTS



SEWER & VENT  
 2 PLUMBING MEZZANINE  
 SCALE: 3/16"=1'-0"

PROJECT # : .....  
 DATE: 08/14/19  
 CHECKED BY: JLM

REVISION:

TEXAS

# LA MILPAS PARK YOUTH FACILITY GYM

PHARR

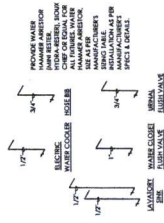
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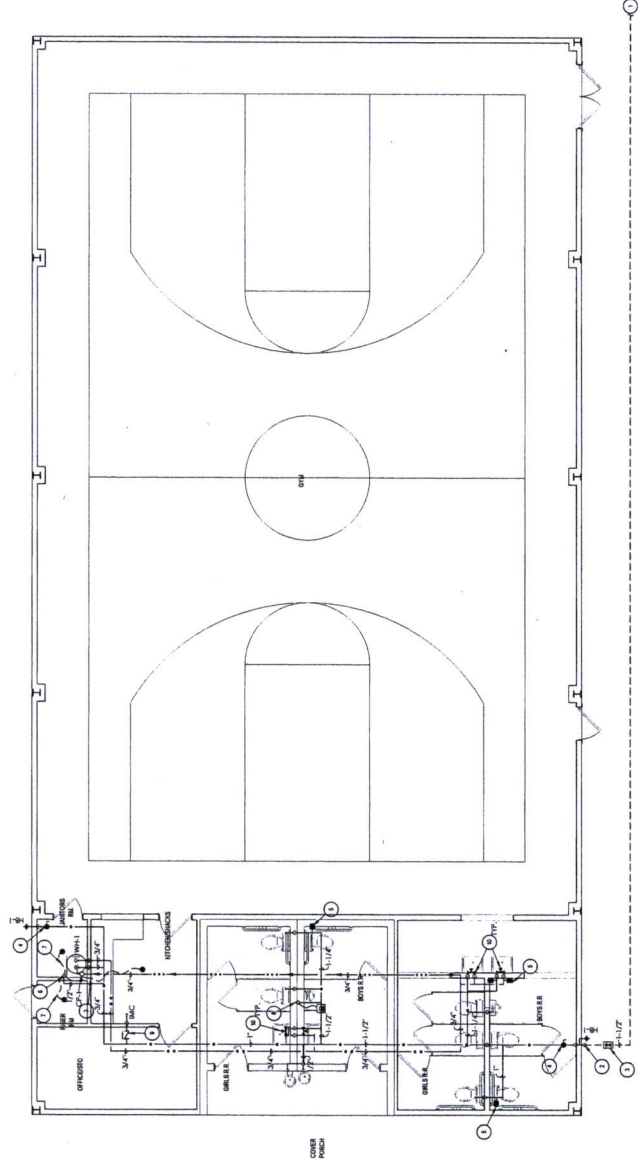
**NOTE:**  
 DRAWING IS DIMENSIONAL. ONLY CONTRACTOR SHALL COORDINATE  
 ALL UTILITIES AND EQUIPMENT WITH BUILDING  
 DEPARTMENT AND CITY OF PHARR.

**KEYED NOTES: PLUMBING**

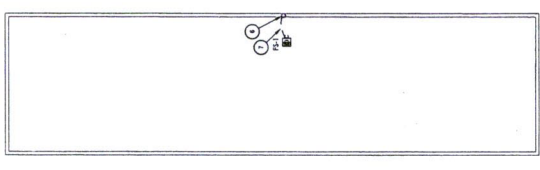
- 1 REFER TO CIVIL SET PLAN FOR COORDINATION OF PLUMBING  
 AND MECHANICAL. PROVIDE ACCESS PANELS TO BE  
 LOCATED AT COORDINATION. VERTICAL COORDINATION  
 CONNECTION OF ALL UTILITIES TO PERMIT SERVICES. PROVIDE  
 1/2" COPPER FROM TRAP PRIMER COVER WITH POLYETHYLENE  
 SLEEVES TO SLEEVES OR EQUAL. TYPICAL ALL TRAP PRIMERS.
- 2 1/2" UP TO SERVICE PRESSURE DROP ACTIVATED TRAP PRIMER FOR  
 PANEL. IF INACCESSIBLE, SEE DETAIL 07/PS.1.
- 3 1/2" UP TO SERVICE PRESSURE DROP ACTIVATED TRAP PRIMER FOR  
 PANEL. IF INACCESSIBLE, SEE DETAIL 07/PS.1.
- 4 PROVIDE 1/2" WATTS NO. 1 DUAL CHECK BACKFLOW PREVENTER IN  
 MAIN WATER LINE. LOCATE IN ACCESSIBLE LOCATION.  
 AND BE ABOVE CEILING.
- 5 PROVIDE 3/4" VALVE WITH SINGLE CHECK IN EACH MAIN WATER  
 VALVE (MAY WANT 1/2" IN WASH BASIN). SET TEMPERATURE AT PER  
 LOCAL JURISDICTION.



DOMESTIC WATER  
 TYPICAL RISER SCHEMATIC  
 3 NTS



DOMESTIC WATER  
 FLOOR PLAN  
 1 SCALE: 3/16"=1'-0"



DOMESTIC WATER  
 PLUMBING MEZZANINE  
 2 SCALE: 3/16"=1'-0"



PROJECT # :  
DATE: 05/14/19  
CHECKED BY: LM

REVISION:



TRINITY  
MEP ENGINEERING  
10000 W. UNIVERSITY BLVD., SUITE 100  
PHARR, TEXAS 77460  
PH: 361-233-7300  
WWW.TRINITYMEPENGINEERING.COM  
Professional Engineering Firm # 17488  
Expirs 05/31/2024

<p><b>01</b></p> <p><b>WATER SERVICE ENTRANCE DETAIL</b> NO SCALE</p> <p>CLEAR TRENCH OF ALL ROCKS AND DEBRIS BEFORE ANY WORK COMMENCEMENT. COMPACT TRENCH FILL TO 15% PROCTOR DENSITY. INSTALL A MINIMUM OF 6 INCHES UNDISTURBED SAND BETWEEN PAVEMENT WATER AND TRENCH FILL. INSTALL A MINIMUM OF 1/2" GRANITE DRAINAGE MAT OVER TRENCH FILL. MAINTAIN A MINIMUM OF 10" HORIZONTAL CLEARANCE BETWEEN ELECTRICAL PRIMARY AND SECONDARY WIRING AND WATER LINES. GATE VALVE, RELIEF VALVE, AND GATE VALVE SHALL BE INSTALLED AS SHOWN.</p>	<p><b>02</b></p> <p><b>WATER HAMMER ARRESTOR DETAIL</b> NO SCALE</p> <p>① WATER HAMMER ARRESTOR USE AS PER MANUFACTURERS' INSTALLATION INSTRUCTIONS. ② CHECK VALVE SHALL BE INSTALLED IN THE DIRECTION OF FLOW. ③ PIPE SHALL BE AS BRANCH LINE TO WHICH IT IS ATTACHED. ④ USE APPROVED MATERIALS AND METHODS FOR ALL CONNECTIONS FOR AIR, OIL, GAS, AND OTHERS OF WATER SERVICE. ⑤ COLOR TO BE DETERMINED BY ARCHITECT.</p>	<p><b>03</b></p> <p><b>TRENCHING DETAIL</b> NO SCALE</p> <p>① 18" MIN. CLEARANCE FROM EXISTING CURB OR WALL. ② 18" MIN. CLEARANCE FROM EXISTING UTILITY LINES. ③ 18" MIN. CLEARANCE FROM EXISTING FOUNDATION WALLS. ④ 18" MIN. CLEARANCE FROM EXISTING STRUCTURES. ⑤ 18" MIN. CLEARANCE FROM EXISTING DRIVEWAYS. ⑥ 18" MIN. CLEARANCE FROM EXISTING SIDEWALKS. ⑦ 18" MIN. CLEARANCE FROM EXISTING STAIRS. ⑧ 18" MIN. CLEARANCE FROM EXISTING ELEVATORS. ⑨ 18" MIN. CLEARANCE FROM EXISTING MECHANICAL ROOMS. ⑩ 18" MIN. CLEARANCE FROM EXISTING ELECTRICAL ROOMS. ⑪ 18" MIN. CLEARANCE FROM EXISTING TELEPHONE ROOMS. ⑫ 18" MIN. CLEARANCE FROM EXISTING CABLE TRAYS. ⑬ 18" MIN. CLEARANCE FROM EXISTING DUCTS. ⑭ 18" MIN. CLEARANCE FROM EXISTING CONDUITS. ⑮ 18" MIN. CLEARANCE FROM EXISTING PIPES. ⑯ 18" MIN. CLEARANCE FROM EXISTING VENTS. ⑰ 18" MIN. CLEARANCE FROM EXISTING CHIMNEYS. ⑱ 18" MIN. CLEARANCE FROM EXISTING ROOFS. ⑲ 18" MIN. CLEARANCE FROM EXISTING FLOORS. ⑳ 18" MIN. CLEARANCE FROM EXISTING CEILINGS.</p>	<p><b>04</b></p> <p><b>WALL CLEANOUT DETAIL</b> NO SCALE</p> <p>① 2" MIN. CLEARANCE FROM EXISTING WALL. ② 2" MIN. CLEARANCE FROM EXISTING FLOOR. ③ 2" MIN. CLEARANCE FROM EXISTING CEILING. ④ 2" MIN. CLEARANCE FROM EXISTING STRUCTURES. ⑤ 2" MIN. CLEARANCE FROM EXISTING DRIVEWAYS. ⑥ 2" MIN. CLEARANCE FROM EXISTING SIDEWALKS. ⑦ 2" MIN. CLEARANCE FROM EXISTING STAIRS. ⑧ 2" MIN. CLEARANCE FROM EXISTING ELEVATORS. ⑨ 2" MIN. CLEARANCE FROM EXISTING MECHANICAL ROOMS. ⑩ 2" MIN. CLEARANCE FROM EXISTING ELECTRICAL ROOMS. ⑪ 2" MIN. CLEARANCE FROM EXISTING TELEPHONE ROOMS. ⑫ 2" MIN. CLEARANCE FROM EXISTING CABLE TRAYS. ⑬ 2" MIN. CLEARANCE FROM EXISTING DUCTS. ⑭ 2" MIN. CLEARANCE FROM EXISTING CONDUITS. ⑮ 2" MIN. CLEARANCE FROM EXISTING PIPES. ⑯ 2" MIN. CLEARANCE FROM EXISTING VENTS. ⑰ 2" MIN. CLEARANCE FROM EXISTING CHIMNEYS. ⑱ 2" MIN. CLEARANCE FROM EXISTING ROOFS. ⑲ 2" MIN. CLEARANCE FROM EXISTING FLOORS. ⑳ 2" MIN. CLEARANCE FROM EXISTING CEILINGS.</p>
<p><b>05</b></p> <p><b>VENT THRU ROOF DETAIL</b> NO SCALE</p> <p>① 1/2" MIN. CLEARANCE FROM EXISTING ROOF. ② 1/2" MIN. CLEARANCE FROM EXISTING WALLS. ③ 1/2" MIN. CLEARANCE FROM EXISTING STRUCTURES. ④ 1/2" MIN. CLEARANCE FROM EXISTING DRIVEWAYS. ⑤ 1/2" MIN. CLEARANCE FROM EXISTING SIDEWALKS. ⑥ 1/2" MIN. CLEARANCE FROM EXISTING STAIRS. ⑦ 1/2" MIN. CLEARANCE FROM EXISTING ELEVATORS. ⑧ 1/2" MIN. CLEARANCE FROM EXISTING MECHANICAL ROOMS. ⑨ 1/2" MIN. CLEARANCE FROM EXISTING ELECTRICAL ROOMS. ⑩ 1/2" MIN. CLEARANCE FROM EXISTING TELEPHONE ROOMS. ⑪ 1/2" MIN. CLEARANCE FROM EXISTING CABLE TRAYS. ⑫ 1/2" MIN. CLEARANCE FROM EXISTING DUCTS. ⑬ 1/2" MIN. CLEARANCE FROM EXISTING CONDUITS. ⑭ 1/2" MIN. CLEARANCE FROM EXISTING PIPES. ⑮ 1/2" MIN. CLEARANCE FROM EXISTING VENTS. ⑯ 1/2" MIN. CLEARANCE FROM EXISTING CHIMNEYS. ⑰ 1/2" MIN. CLEARANCE FROM EXISTING ROOFS. ⑲ 1/2" MIN. CLEARANCE FROM EXISTING FLOORS. ⑳ 1/2" MIN. CLEARANCE FROM EXISTING CEILINGS.</p>	<p><b>06</b></p> <p><b>FLOOR PENETRATION DETAIL</b> NO SCALE</p> <p>① 1/2" MIN. CLEARANCE FROM EXISTING FLOOR. ② 1/2" MIN. CLEARANCE FROM EXISTING WALLS. ③ 1/2" MIN. CLEARANCE FROM EXISTING STRUCTURES. ④ 1/2" MIN. CLEARANCE FROM EXISTING DRIVEWAYS. ⑤ 1/2" MIN. CLEARANCE FROM EXISTING SIDEWALKS. ⑥ 1/2" MIN. CLEARANCE FROM EXISTING STAIRS. ⑦ 1/2" MIN. CLEARANCE FROM EXISTING ELEVATORS. ⑧ 1/2" MIN. CLEARANCE FROM EXISTING MECHANICAL ROOMS. ⑨ 1/2" MIN. CLEARANCE FROM EXISTING ELECTRICAL ROOMS. ⑩ 1/2" MIN. CLEARANCE FROM EXISTING TELEPHONE ROOMS. ⑪ 1/2" MIN. CLEARANCE FROM EXISTING CABLE TRAYS. ⑫ 1/2" MIN. CLEARANCE FROM EXISTING DUCTS. ⑬ 1/2" MIN. CLEARANCE FROM EXISTING CONDUITS. ⑭ 1/2" MIN. CLEARANCE FROM EXISTING PIPES. ⑮ 1/2" MIN. CLEARANCE FROM EXISTING VENTS. ⑯ 1/2" MIN. CLEARANCE FROM EXISTING CHIMNEYS. ⑰ 1/2" MIN. CLEARANCE FROM EXISTING ROOFS. ⑲ 1/2" MIN. CLEARANCE FROM EXISTING FLOORS. ⑳ 1/2" MIN. CLEARANCE FROM EXISTING CEILINGS.</p>	<p><b>07</b></p> <p><b>FLOOR CLEANOUT DETAIL</b> NO SCALE</p> <p>① 1/2" MIN. CLEARANCE FROM EXISTING FLOOR. ② 1/2" MIN. CLEARANCE FROM EXISTING WALLS. ③ 1/2" MIN. CLEARANCE FROM EXISTING STRUCTURES. ④ 1/2" MIN. CLEARANCE FROM EXISTING DRIVEWAYS. ⑤ 1/2" MIN. CLEARANCE FROM EXISTING SIDEWALKS. ⑥ 1/2" MIN. CLEARANCE FROM EXISTING STAIRS. ⑦ 1/2" MIN. CLEARANCE FROM EXISTING ELEVATORS. ⑧ 1/2" MIN. CLEARANCE FROM EXISTING MECHANICAL ROOMS. ⑨ 1/2" MIN. CLEARANCE FROM EXISTING ELECTRICAL ROOMS. ⑩ 1/2" MIN. CLEARANCE FROM EXISTING TELEPHONE ROOMS. ⑪ 1/2" MIN. CLEARANCE FROM EXISTING CABLE TRAYS. ⑫ 1/2" MIN. CLEARANCE FROM EXISTING DUCTS. ⑬ 1/2" MIN. CLEARANCE FROM EXISTING CONDUITS. ⑭ 1/2" MIN. CLEARANCE FROM EXISTING PIPES. ⑮ 1/2" MIN. CLEARANCE FROM EXISTING VENTS. ⑯ 1/2" MIN. CLEARANCE FROM EXISTING CHIMNEYS. ⑰ 1/2" MIN. CLEARANCE FROM EXISTING ROOFS. ⑲ 1/2" MIN. CLEARANCE FROM EXISTING FLOORS. ⑳ 1/2" MIN. CLEARANCE FROM EXISTING CEILINGS.</p>	<p><b>08</b></p> <p><b>TRAP SEAL PRIMER INSTALLATION DETAIL</b> NO SCALE</p> <p>① 1/2" MIN. CLEARANCE FROM EXISTING FLOOR. ② 1/2" MIN. CLEARANCE FROM EXISTING WALLS. ③ 1/2" MIN. CLEARANCE FROM EXISTING STRUCTURES. ④ 1/2" MIN. CLEARANCE FROM EXISTING DRIVEWAYS. ⑤ 1/2" MIN. CLEARANCE FROM EXISTING SIDEWALKS. ⑥ 1/2" MIN. CLEARANCE FROM EXISTING STAIRS. ⑦ 1/2" MIN. CLEARANCE FROM EXISTING ELEVATORS. ⑧ 1/2" MIN. CLEARANCE FROM EXISTING MECHANICAL ROOMS. ⑨ 1/2" MIN. CLEARANCE FROM EXISTING ELECTRICAL ROOMS. ⑩ 1/2" MIN. CLEARANCE FROM EXISTING TELEPHONE ROOMS. ⑪ 1/2" MIN. CLEARANCE FROM EXISTING CABLE TRAYS. ⑫ 1/2" MIN. CLEARANCE FROM EXISTING DUCTS. ⑬ 1/2" MIN. CLEARANCE FROM EXISTING CONDUITS. ⑭ 1/2" MIN. CLEARANCE FROM EXISTING PIPES. ⑮ 1/2" MIN. CLEARANCE FROM EXISTING VENTS. ⑯ 1/2" MIN. CLEARANCE FROM EXISTING CHIMNEYS. ⑰ 1/2" MIN. CLEARANCE FROM EXISTING ROOFS. ⑲ 1/2" MIN. CLEARANCE FROM EXISTING FLOORS. ⑳ 1/2" MIN. CLEARANCE FROM EXISTING CEILINGS.</p>
<p><b>09</b></p> <p><b>WALL SLEEVE DETAIL</b> NO SCALE</p> <p>① 1/2" MIN. CLEARANCE FROM EXISTING WALL. ② 1/2" MIN. CLEARANCE FROM EXISTING FLOOR. ③ 1/2" MIN. CLEARANCE FROM EXISTING CEILING. ④ 1/2" MIN. CLEARANCE FROM EXISTING STRUCTURES. ⑤ 1/2" MIN. CLEARANCE FROM EXISTING DRIVEWAYS. ⑥ 1/2" MIN. CLEARANCE FROM EXISTING SIDEWALKS. ⑦ 1/2" MIN. CLEARANCE FROM EXISTING STAIRS. ⑧ 1/2" MIN. CLEARANCE FROM EXISTING ELEVATORS. ⑨ 1/2" MIN. CLEARANCE FROM EXISTING MECHANICAL ROOMS. ⑩ 1/2" MIN. CLEARANCE FROM EXISTING ELECTRICAL ROOMS. ⑪ 1/2" MIN. CLEARANCE FROM EXISTING TELEPHONE ROOMS. ⑫ 1/2" MIN. CLEARANCE FROM EXISTING CABLE TRAYS. ⑬ 1/2" MIN. CLEARANCE FROM EXISTING DUCTS. ⑭ 1/2" MIN. CLEARANCE FROM EXISTING CONDUITS. ⑮ 1/2" MIN. CLEARANCE FROM EXISTING PIPES. ⑯ 1/2" MIN. CLEARANCE FROM EXISTING VENTS. ⑰ 1/2" MIN. CLEARANCE FROM EXISTING CHIMNEYS. ⑱ 1/2" MIN. CLEARANCE FROM EXISTING ROOFS. ⑲ 1/2" MIN. CLEARANCE FROM EXISTING FLOORS. ⑳ 1/2" MIN. CLEARANCE FROM EXISTING CEILINGS.</p>	<p><b>10</b></p> <p><b>WATER HAMMER ARRESTOR DETAIL</b> NO SCALE</p> <p>① WATER HAMMER ARRESTOR USE AS PER MANUFACTURERS' INSTALLATION INSTRUCTIONS. ② CHECK VALVE SHALL BE INSTALLED IN THE DIRECTION OF FLOW. ③ PIPE SHALL BE AS BRANCH LINE TO WHICH IT IS ATTACHED. ④ USE APPROVED MATERIALS AND METHODS FOR ALL CONNECTIONS FOR AIR, OIL, GAS, AND OTHERS OF WATER SERVICE. ⑤ COLOR TO BE DETERMINED BY ARCHITECT.</p>	<p><b>11</b></p> <p><b>FLOOR CLEANOUT DETAIL</b> NO SCALE</p> <p>① 1/2" MIN. CLEARANCE FROM EXISTING FLOOR. ② 1/2" MIN. CLEARANCE FROM EXISTING WALLS. ③ 1/2" MIN. CLEARANCE FROM EXISTING STRUCTURES. ④ 1/2" MIN. CLEARANCE FROM EXISTING DRIVEWAYS. ⑤ 1/2" MIN. CLEARANCE FROM EXISTING SIDEWALKS. ⑥ 1/2" MIN. CLEARANCE FROM EXISTING STAIRS. ⑦ 1/2" MIN. CLEARANCE FROM EXISTING ELEVATORS. ⑧ 1/2" MIN. CLEARANCE FROM EXISTING MECHANICAL ROOMS. ⑨ 1/2" MIN. CLEARANCE FROM EXISTING ELECTRICAL ROOMS. ⑩ 1/2" MIN. CLEARANCE FROM EXISTING TELEPHONE ROOMS. ⑪ 1/2" MIN. CLEARANCE FROM EXISTING CABLE TRAYS. ⑫ 1/2" MIN. CLEARANCE FROM EXISTING DUCTS. ⑬ 1/2" MIN. CLEARANCE FROM EXISTING CONDUITS. ⑭ 1/2" MIN. CLEARANCE FROM EXISTING PIPES. ⑮ 1/2" MIN. CLEARANCE FROM EXISTING VENTS. ⑯ 1/2" MIN. CLEARANCE FROM EXISTING CHIMNEYS. ⑰ 1/2" MIN. CLEARANCE FROM EXISTING ROOFS. ⑲ 1/2" MIN. CLEARANCE FROM EXISTING FLOORS. ⑳ 1/2" MIN. CLEARANCE FROM EXISTING CEILINGS.</p>	<p><b>12</b></p> <p><b>ADA WATER CLOSET DETAIL</b> NO SCALE</p> <p>① 1/2" MIN. CLEARANCE FROM EXISTING FLOOR. ② 1/2" MIN. CLEARANCE FROM EXISTING WALLS. ③ 1/2" MIN. CLEARANCE FROM EXISTING STRUCTURES. ④ 1/2" MIN. CLEARANCE FROM EXISTING DRIVEWAYS. ⑤ 1/2" MIN. CLEARANCE FROM EXISTING SIDEWALKS. ⑥ 1/2" MIN. CLEARANCE FROM EXISTING STAIRS. ⑦ 1/2" MIN. CLEARANCE FROM EXISTING ELEVATORS. ⑧ 1/2" MIN. CLEARANCE FROM EXISTING MECHANICAL ROOMS. ⑨ 1/2" MIN. CLEARANCE FROM EXISTING ELECTRICAL ROOMS. ⑩ 1/2" MIN. CLEARANCE FROM EXISTING TELEPHONE ROOMS. ⑪ 1/2" MIN. CLEARANCE FROM EXISTING CABLE TRAYS. ⑫ 1/2" MIN. CLEARANCE FROM EXISTING DUCTS. ⑬ 1/2" MIN. CLEARANCE FROM EXISTING CONDUITS. ⑭ 1/2" MIN. CLEARANCE FROM EXISTING PIPES. ⑮ 1/2" MIN. CLEARANCE FROM EXISTING VENTS. ⑯ 1/2" MIN. CLEARANCE FROM EXISTING CHIMNEYS. ⑰ 1/2" MIN. CLEARANCE FROM EXISTING ROOFS. ⑲ 1/2" MIN. CLEARANCE FROM EXISTING FLOORS. ⑳ 1/2" MIN. CLEARANCE FROM EXISTING CEILINGS.</p>
<p><b>13</b></p> <p><b>WATER HAMMER ARRESTOR DETAIL</b> NO SCALE</p> <p>① WATER HAMMER ARRESTOR USE AS PER MANUFACTURERS' INSTALLATION INSTRUCTIONS. ② CHECK VALVE SHALL BE INSTALLED IN THE DIRECTION OF FLOW. ③ PIPE SHALL BE AS BRANCH LINE TO WHICH IT IS ATTACHED. ④ USE APPROVED MATERIALS AND METHODS FOR ALL CONNECTIONS FOR AIR, OIL, GAS, AND OTHERS OF WATER SERVICE. ⑤ COLOR TO BE DETERMINED BY ARCHITECT.</p>	<p><b>14</b></p> <p><b>GRADE BEAM SLEEVE DETAIL</b> NO SCALE</p> <p>① 1/2" MIN. CLEARANCE FROM EXISTING GRADE BEAM. ② 1/2" MIN. CLEARANCE FROM EXISTING WALLS. ③ 1/2" MIN. CLEARANCE FROM EXISTING STRUCTURES. ④ 1/2" MIN. CLEARANCE FROM EXISTING DRIVEWAYS. ⑤ 1/2" MIN. CLEARANCE FROM EXISTING SIDEWALKS. ⑥ 1/2" MIN. CLEARANCE FROM EXISTING STAIRS. ⑦ 1/2" MIN. CLEARANCE FROM EXISTING ELEVATORS. ⑧ 1/2" MIN. CLEARANCE FROM EXISTING MECHANICAL ROOMS. ⑨ 1/2" MIN. CLEARANCE FROM EXISTING ELECTRICAL ROOMS. ⑩ 1/2" MIN. CLEARANCE FROM EXISTING TELEPHONE ROOMS. ⑪ 1/2" MIN. CLEARANCE FROM EXISTING CABLE TRAYS. ⑫ 1/2" MIN. CLEARANCE FROM EXISTING DUCTS. ⑬ 1/2" MIN. CLEARANCE FROM EXISTING CONDUITS. ⑭ 1/2" MIN. CLEARANCE FROM EXISTING PIPES. ⑮ 1/2" MIN. CLEARANCE FROM EXISTING VENTS. ⑯ 1/2" MIN. CLEARANCE FROM EXISTING CHIMNEYS. ⑰ 1/2" MIN. CLEARANCE FROM EXISTING ROOFS. ⑲ 1/2" MIN. CLEARANCE FROM EXISTING FLOORS. ⑳ 1/2" MIN. CLEARANCE FROM EXISTING CEILINGS.</p>	<p><b>15</b></p> <p><b>WATER HAMMER ARRESTOR DETAIL</b> NO SCALE</p> <p>① WATER HAMMER ARRESTOR USE AS PER MANUFACTURERS' INSTALLATION INSTRUCTIONS. ② CHECK VALVE SHALL BE INSTALLED IN THE DIRECTION OF FLOW. ③ PIPE SHALL BE AS BRANCH LINE TO WHICH IT IS ATTACHED. ④ USE APPROVED MATERIALS AND METHODS FOR ALL CONNECTIONS FOR AIR, OIL, GAS, AND OTHERS OF WATER SERVICE. ⑤ COLOR TO BE DETERMINED BY ARCHITECT.</p>	<p><b>16</b></p> <p><b>WATER HAMMER ARRESTOR DETAIL</b> NO SCALE</p> <p>① WATER HAMMER ARRESTOR USE AS PER MANUFACTURERS' INSTALLATION INSTRUCTIONS. ② CHECK VALVE SHALL BE INSTALLED IN THE DIRECTION OF FLOW. ③ PIPE SHALL BE AS BRANCH LINE TO WHICH IT IS ATTACHED. ④ USE APPROVED MATERIALS AND METHODS FOR ALL CONNECTIONS FOR AIR, OIL, GAS, AND OTHERS OF WATER SERVICE. ⑤ COLOR TO BE DETERMINED BY ARCHITECT.</p>

