

THE OF WILLIAM



Addendum No. 1

DATE: Friday, March 01, 2019

PROJECT: Edinburg Consolidated Independent School District

Freddy Gonzalez Elementary Gymnasium Improvements

PROJECT NO: 1611801

LOCATION: McAllen, Texas

FROM: Laura N. Warren, The Warren Group Architects, Inc.

The following revisions and clarifications shall be considered part of the record contract documents dated February 15, 2019 for the above referenced project and included in the contract amount. All general notes and specifications shall apply to this addendum. Where provisions of the following supplementary data differ from those of the original Contract Documents, this Addendum shall govern and take precedence.

As requested by Owner, the following scope adjustments have been made. Please adjust bids with the following noted changes:

Item No. 1: Refer to Construction Documents sheet E5.01 dated 02/15/2019. Modifications have

been made as per a Request for Information. Refer attached DBR's ADD2 dated

03/01/2019.

ISSUED BY:

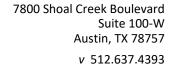
Laura N. Warren, AIA/Principal The Warren Group Architects, Inc.

Attachments: None

PDF Format – 8.5"x11" DBR ADD2 dated 03/01/2019 PDF Format – 30"x42" E5.01 dated 03/01/2019

Distribution:

Robert Estrada, District Architect Jacqueline W. Kingan, ECISD Senior Buyer Bidding Vendors File





Addendum

DATE 03/01/2019

ADDENDUM NO.

02

PROJECT 188013.000 | Edinburg CISD - Freddy Gonzalez ES - Gymnasium Improvements

The work described herein shall be added to the scope of work defined by the contract documents or it shall modify the scope of work defined by the contract documents as described. This work shall become a part of the contract documents by addendum.

DRAWINGS

Item 01 Sheet E5.01 – Electrical Schedules

- A. Added fixture type X to lighting fixture schedule.
- B. Added transformer T1 kVA.
- C. Added disconnect capacity to key note 6.
- D. Removed panel rating from riser diagram.

END OF ADDENDUM

	ELECTRICAL LOAD ANALYSI	S 3 ¹ -PHASE, 4-WIRE		
	DESCRIPTION		NEC 2011	kVA
EXISTIN	NG LOADS:			
	EXISTING LOADS AT PANEL 'MDP'	218,000 VA X 100%	220.87	218.0
NEW LC	DADS:			
.IGHTIN	IG & GENERAL RECEPTACLES:			
	TYPE OF OCCUPANCY AREA (S	F)		
	SCHOOLS 6600	3 VA/SF	220.12	
	DIVERSIFIED INTERIOR LIGHTING LOAD =	0 VA	220.12	19.8
	DIVERSIFIED EXTERIOR LIGHTING LOAD =	0 VA	220.12	
POWER	₹:			
	RECEPTACLES =	14,000 VA	220.44	12.0
	MISCELLANEOUS =	0 VA	220.14	0.0
IVAC:				
	HEATING =	90,000 VA	220.60	90.0
	25% LARGEST MOTOR (5 HP) =	1,492 VA	220.18(a)	1.5
PLUMBI				
	WATER HEATERS	0 VA	422.13	0.0
			TOTAL =	341.3
			TOTAL AMPS:	947.:
			+25% SPARE	1184
			SERVICE SIZE:	800.
			SPARE AMPACITY:	-384.

SER\	VICE LATERAL	AND FEEDER SCHEDULE (COPPER C	ONLY)
AMPERAGE	SETS	CONDUCTOR SIZE	CONDUIT (INCHES)
30A	1	4#10, 1#10 G.	3/4"C
40A	1	4#8, 1#10 G.	1"C
50A	1	4#8, 1#10 G.	1"C
60A	1	4#6, 1#10 G.	1"C
70A	1	4#4, 1#8 G.	1 1/4"C
80A	1	4#4, 1#8 G.	1 1/4°C
90A	1	4#3, 1#8 G.	1 1/4°C
100A	1	4#3, 1#8 G.	1 1/4"C
125A	1	4#1, 1#6 G.	1 1/2°C
150A	1	4#1/0, 1#6 G.	1 1/2°C
175A	1	4#2/0, 1#6 G.	2"C
200A	1	4#3/0, 1#6 G.	2"C
225A	1	4#4/0, 1#4 G.	2 1/2°C
250A	1	4#250KCMIL, 1#4 G.	2 1/2°C
300A	1	4#350KCMIL, 1#4 G.	3"C
350A	1	4#500KCMIL, 1#3 G.	3 1/2°C
400A	1	4#600KCMIL, 1#3 G.	4"C
450A	2	4#4/0, 1#2 G.	2 1/2°C
500A	2	4#250KCMIL, 1#2G.	2 1/2°C
600A	2	4#350KCMIL, 1#1G.	3"C
700A	2	4#500KCMIL, 1#1/0G.	4"C
800A	2	4#600KCMIL, 1#1/0G.	4"C
1000A	3	4#500KCMIL, 1#2/0G.	4"C
1200A	4	4#350KCMIL, 1#3/0G.	3"C
1600A	4(600) OR 5(500)	4#600KCMIL, 1#4/0G. OR 4#500KCMIL, 1#4/0G.	4"C

- I. ELECTRICAL CONTRACTOR SHALL PROVIDE THE NUMBER OF LUGS AND PROPER LUG SIZES TO ACCEPT CONDUCTOR SIZES SHOWN.
- 2. DO NOT GROUND CONDUCTOR IN SERVICE LATERAL FROM POWER COMPANY TRANSFORMER. 3. CONTRACTOR SHALL INCREASE FEEDERS IN SIZE TO COMPENSATE FOR VOLTAGE DROP. FEEDERS SHALL BE SIZED TO MAINTAIN A 2% OR

YPE	MANUFACTURER	MOUNTING	LAMPS	VOLTS	REMARKS	NOTES
Α	METALUX HBLED-LD5 24HE-W-POLY125- UNV-L840-CD2-HBAYC- CHAIN/SET/U-U	RECESSED	146W LED	120V	2X4 HIGHBAY TROFFER WITH 0-10V DIMMING, 4000K AND 24000 LUMEN, 0-10V DIMMING DRIVER, POLYCARBONATE LENS, CHAIN HANG FROM STRUCTURE.	
AE	METALUX HBLED-LD5 24HE-W-POLY125- UNV-L840-EL14W-CD2-HBAYC- CHAIN/SET/U-U	RECESSED	146W LED	120V	2X4 HIGHBAY TROFFER WITH 0-10V DIMMING, 4000K AND 24000 LUMEN, 0-10V DIMMING DRIVER, POLYCARBONATE LENS, CHAIN HANG FROM STRUCTURE, PROVIDE WITH EMERGENCY BATTERY BACK-UP	
В	METALUX HBLED-LD5 12HE-W-POLY125- UNV-L840-CD2-HBAYC- CHAIN/SET/U-U	RECESSED	73W LED	120V	2X4 HIGHBAY TROFFER WITH 0-10V DIMMING, 4000K AND 24000 LUMEN, 0-10V DIMMING DRIVER, POLYCARBONATE LENS, CHAIN HANG FROM STRUCTURE, PROVIDE WITH EMERGENCY BATTERY BACK-UP	
BE	METALUX HBLED-LD5 12HE-W-POLY125- UNV-L840-EL14W-CD2-HBAYC- CHAIN/SET/U-U	RECESSED	73W LED	120V	2X4 HIGHBAY TROFFER WITH 0-10V DIMMING, 4000K AND 24000 LUMEN, 0-10V DIMMING DRIVER, POLYCARBONATE LENS, CHAIN HANG FROM STRUCTURE, PROVIDE WITH EMERGENCY BATTERY BACK-UP	
	WAC LIGHTING	RECESSED	35W LED	120V	TRACK LIGHTING FIXTURE, 6 HEADS, 55 DEGREE BEAM, 85	~~~
Х	SURE-LITE LPX-6-SD-WG10	RECESSED	10W LED	120V	EXIT SIGN LED, RED LETTERS, WHITE FINISH, WIRE GUARD	

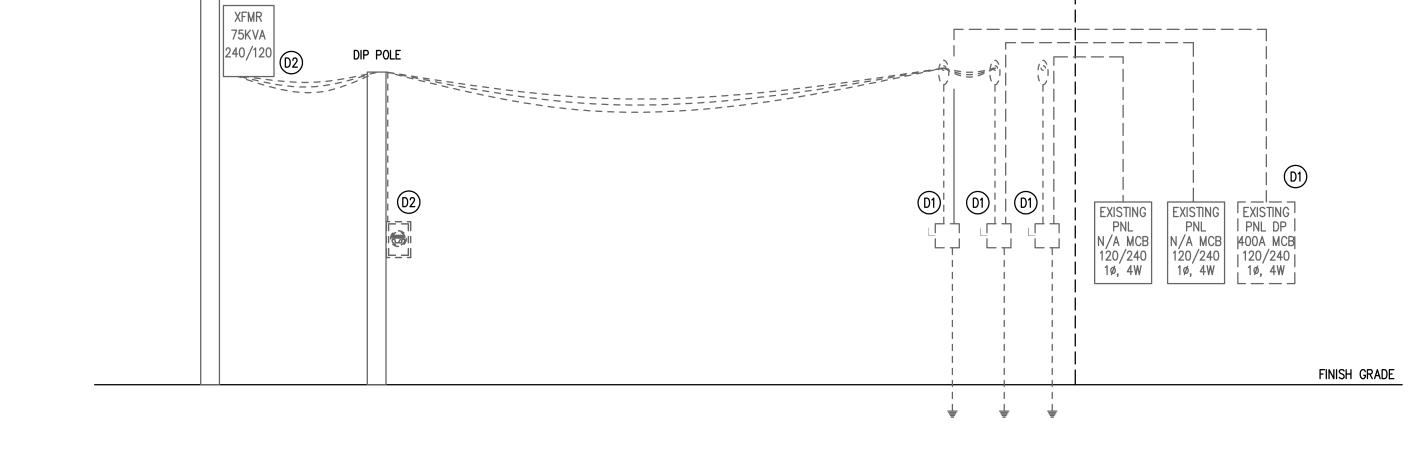
	TRANSFORMER SCHEDULE						
MARK	KVA	PRIMARY	SECONDARY	MOUNTING	REMARKS		
T1	N/A	208Y120V	240/120	PAD	NEMA 3R		
T2	75	208Y120V	240/120	PAD	NEMA 3R		

GENERAL ONE-LINE DIAGRAM NOTES:

- A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ONCOR ENERGY FOR AVAILABLE FAULT CURRENT AT TRANSFORMER AND SIZE ALL ELECTRICAL EQUIPMENT ACCORDINGLY.
- B. CONTRACTOR SHALL PROVIDE AN ENGRAVED NAMEPLATE ON ALL NEW ELECTRICAL EQUIPMENT INDICATING EQUIPMENT VOLTAGE, AMPERAGE, AND AVAILABLE SHORT CIRCUIT RATING PER 2014
- C. ALL WIRING SHALL BE THHN/THWN COPPER UNLESS NOTED OTHERWISE.
- D. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND CONDUIT AS REQUIRED BY UTILITY COMPANY FOR METERING PURPOSES.
- E. REFER TO FLOOR PLAN FOR SIZED OF ALL DISCONNECTS AND STARTERS.
- F. ALL ELECTRICAL EQUIPMENT MOUNTED OUTDOOR SHALL BE IN NEMA 3R ENCLOSURES.

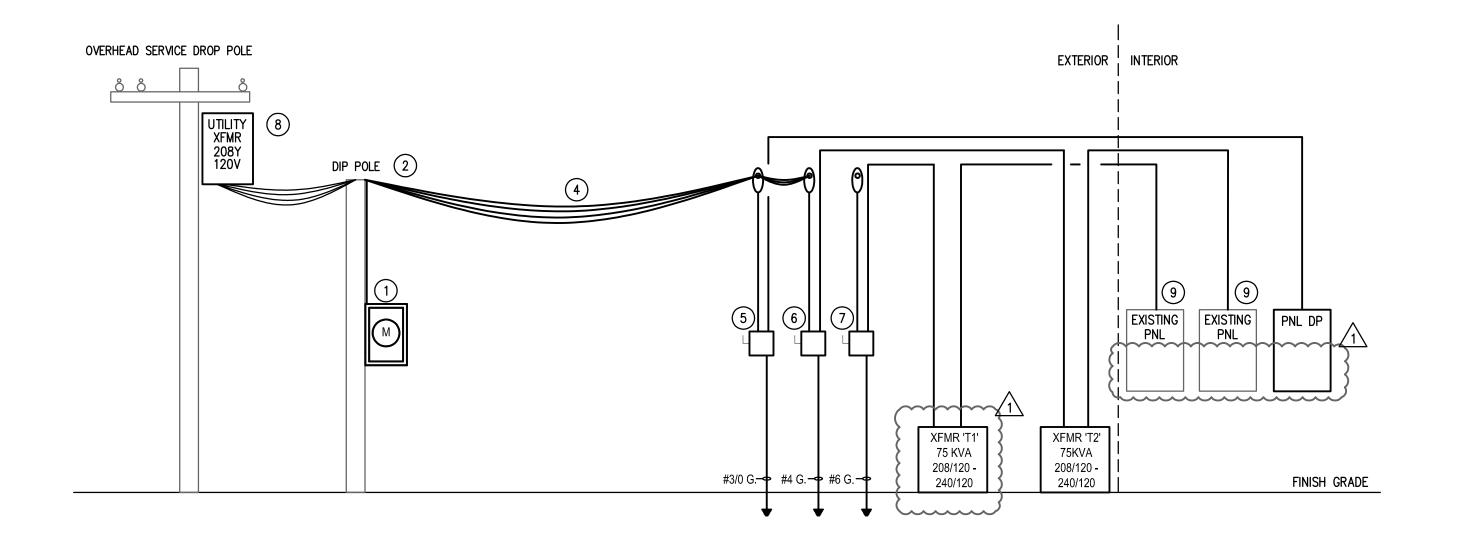
ELECTRICAL DEMOLITION KEYED NOTES

- (D1) REMOVE EXISTING PANEL, DISCONNECT, FEEDER AND CONDUIT TO UTILITY METER.
- COORDINATE WITH AEP FOR REPLACEMENT OF ALL EXISTING UTILITY ELECTRICAL EQUIPMENT AND FEEDERS.



ELECTRICAL KEYED NOTES

- (1) PROVIDE NEW AEP 208Y120V METER.
- PROVIDE NEW WEATHER HEAD AND CONDUIT FOR CONNECTION OF NEW SECONDARY
- (3) 1/0 GND., 1" CONDUIT TO GROUND ROD AT SERVICE ENTRANCE.
- (4) PROVIDE 3 SETS OF 3 #600 & 1 #3/0 G.
- PROVIDE NEW 1200A/1200AF/208V/3PH/NEMA 3R DISCONNECT.
- PROVIDE NEW 200A/200AF/208V/3PH/NEMA 3R DISCONNECT.
- PROVIDE NEW 400A/400AF/3PH/NEMA 3R DISCONNECT.
- PROVIDE NEW 3 PHASE OVERHEAD ELECTRICAL SERVICE.
- RECONNECT EXISTING PANELS TO NEW ELECTRICAL SERVICE VIA NEW 208Y120V 240V/120V TRANSFORMER.





GENERAL ELECTRICAL SPECIFICATIONS BASE BUILDING SPECIFICATIONS SHALL APPLY. REFER TO BUILDING ENGINEER FOR ADDITIONAL DETAILS

- ORDINANCES ADOPTED BY THE AUTHORITY HAVING JURISDICTION AND AS PER 2014 NATIONAL ELECTRICAL CODE, NFPA-70.
- 2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH BUILDING MANAGEMENT FOR ALL CONSTRUCTION STANDARDS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO STANDARD LIGHT FIXTURES, SWITCHES, RECEPTACLES, COVER PLATES, AND WIRING METHODS. AVAILABLE QUANTITIES AND TENANT ALLOWANCES MUST ALSO BE VERIFIED WITH BUILDING MANAGEMENT.
- 3. THE SCOPE OF THE ELECTRICAL WORK INCLUDES FURNISHING AND INSTALLING ALL ELECTRICAL WORK FOR A COMPLETE INSTALLATION.
- 4. THIS DRAWING IS FOR FIXTURE AND OUTLET CIRCUITING INFORMATION. REFER TO ARCHITECTURAL DRAWING FOR NOTES, MOUNTING DETAILS AND EXACT LOCATIONS.
- 5. CONTRACTOR TO PROVIDE PULL STRING ROUTED TO CEILING PLENUM, TYPICAL FOR EACH TELEPHONE OUTLET USING PLENUM RATED CABLE. IF CABLE ROUTING IS RESTRICTED, BY ROUTING HORIZONTALLY OR IN AN INSULATED WALL, PROVIDE 3/4" CONDUIT WITH PULL STRING ROUTED TO ABOVE CEILING. COORDINATE WITH TENANT'S CABLE INSTALLER.
- 6. VERIFY ELECTRICAL REQUIREMENTS (IF ANY) FOR ANY SPECIAL EQUIPMENT, COPIERS, DATA PROCESSING EQUIPMENT, TELEPHONE EQUIPMENT AND KITCHEN APPLIANCE PRIOR TO ANY WORK PERFORMED. PROVIDE ISOLATED GROUND WIRE AND GROUNDING BUS IN PANEL PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
- 7. ALL RECEPTACLES TO BE MOUNTED A MINIMUM OF 18" A.F.F. AND ALL SWITCHES SHALL BE A MAXIMUM OF 42" A.F.F. UNLESS NOTED OTHERWISE. ALL DIMENSIONS ARE TO THE CENTERLINE. NEW DEVICE TYPES SHALL MATCH ORIGINAL BASE BUILDING STANDARDS WITH COLOR SELECTION BY
- ARCHITECT, UNLESS OTHERWISE NOTED. B. CONTRACTOR SHALL PROVIDE ONE SET OF SUBMITTALS VIA EMAIL ON ALL ELECTRICAL EQUIPMENT, INCLUDING, BUT NOT LIMITED TO, SWITCH GEAR, LIGHT FIXTURES, ELECTRICAL DEVICES, DIMMERS, RACEWAYS, FIRE ALARM DEVICES ETC.
- 9. ALL WRING SHALL BE COPPER. ALUMINUM WRING IS NOT ACCEPTABLE. MINIMUM WIRE SIZE IS #12 AWG. CONDUCTORS SIZED SHALL BE STRANDED. INSULATION SHALL BE "UL" TYPE THW OR THHN/THWN. METAL CLAD CABLE MAY BE USED FOR BRANCH CIRCUITS IF APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 10. MANUFACTURER AND CLASS OF ALL NEW DISTRIBUTION PANELS, LIGHTING PANELS, TRANSFORMERS, DISCONNECT SWITCHES, ELECTRIC SUB-METERS, ETC. SHALL MATCH ORIGINAL BASE BUILDING ELECTRICAL GEAR. ALL BUSSING SHALL BE COPPER. ALUMINUM BUSSING IS NOT ACCEPTABLE. LOAD CENTERS ARE NOT ACCEPTABLE ALTERNATES FOR PANELBOARDS. ALL SAFETY SWITCHES ARE TO BE HEAVY DUTY TYPE UNLESS APPROVED BY BUILDING MANAGEMENT.

OVERHEAD SERVICE DROP POLE

- COMPLY WITH THE MOST RECENTLY REVISED VERSIONS OF ALL APPLICABLE RULES, REGULATIONS AND 11. LAMP SPECIFICATION SHALL MATCH BUILDING STANDARDS FOR MANUFACTURER, WATTAGE, AND COLOR. IF NON BUILDING STANDARD LAMPS EXIST, RELAMPING REQUIREMENTS SHALL BE CONFIRMED WITH BUILDING MANAGEMENT PRIOR TO FINAL PRICING. FOR NON BUILDING STANDARD FIXTURES, LAMPS SHALL BE MANUFACTURED BY GENERAL ELECTRIC, NORTH AMERICAN PHILIPS, OR OSRAM-SYLVANIA. ALL LAMPS, IN NEW AND EXISTING FIXTURES, SHALL BE IN WORKING ORDER UPON COMPLETION OF
 - 12. ALL ELECTRICAL MATERIALS USED ON THIS PROJECT MUST BE U.L. LISTED AND LABELED.

RTU'S, VAV'S, ACCU'S, HP'S, EF'S, WATER HEATERS, PUMPS ETC.

- 13. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND SUBCONTRACTORS TO PROVIDE A COMPLETE WORKING SYSTEM.
- 14. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL MOTOR STARTERS NOT PROVIDED WITH MECHANICAL OR PLUMBING EQUIPMENT.
- 15. THIS CONTRACTOR SHALL PROVIDE CONDUIT FOR CONTROL WIRING. COORDINATE WITH MECHANICAL

16. COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS FOR EXACT EQUIPMENT LOCATION SUCH AS

- CONTRACTOR.
- 17. MAINTAIN ALL U.L. FIRE RATED ASSEMBLIES AS NOTED ON ARCHITECTURAL DRAWINGS WHENEVER PENETRATING FLOOR SLABS, FIRE RATED CEILINGS AND FIRE RATED WALLS. ALL FIRE PROOFING MUST BE U.L. LISTED FOR THAT APPLICATION. MAINTAIN THE FIRE RESISTANCE RATING AS REQUIRED PER
- ARTICLE 300-21 N.E.C. 18. PROVIDE IDENTIFICATION OF ALL NEW PANEL BOARD AND DISTRIBUTION EQUIPMENT WITH ENGRAVED PHENOLIC PLASTIC LABEL SCREWED TO COVER. LABEL MUST IDENTIFY EQUIPMENT NAME, VOLTAGE
- AND PHASE, AMPACITY, AND SERVICE SOURCE. 19. PROVIDE UPDATED, TYPED DIRECTORY FOR EACH PANEL BOARD, DESIGNATING NEW CIRCUITS AND suite being served.
- 20. WHEN A LIFE SAFETY SYSTEM EXISTS, MAINTAIN THIS EXISTING SYSTEM IN ACCORDANCE WITH THE LOCAL CODES AND N.F.P.A., COORDINATING WITH BUILDING MANAGEMENT FOR APPROVED LIFE SAFETY CONTRACTOR. BUILDING CORRIDORS MUST BE PROTECTED WITH SMOKE DETECTORS. AUDIBLE DEVICES MUST BE DISTINCT THROUGHOUT THIS TENANT SPACE. VISUAL ALARMS MUST PROVIDE COVERAGE PER AMERICANS WITH DISABILITIES ACT. THIS CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THAT EXISTING SYSTEM IS ADEQUATE FOR ADDITIONS AND MODIFICATIONS REQUIRED IN THESE PLANS. REFER TO SEPARATE FIRE ALARM REMODELING NOTES.
- 21. IT IS THE RESPONSIBILITY OF THE CONTRACTOR OR CONTRACTORS TO VISIT THE SITE OF THE PROPOSED CONSTRUCTION IN ORDER TO FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES AND RESTRICTION ATTENDING THE EXECUTION OF THE WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED THIS CONTRACTOR FOR WORK OR ITEMS OMITTED FROM HIS ORIGINAL PROPOSAL DUE TO HIS FAILURE TO INFORM HIMSELF REGARDING SUCH MATTERS AFFECTING THE PERFORMANCE OF THE WORK IN THIS CONTRACT OR NECESSARY FOR THE INSTALLATION AND COMPLETION OF THE WORK

EXTERIOR | INTERIOR





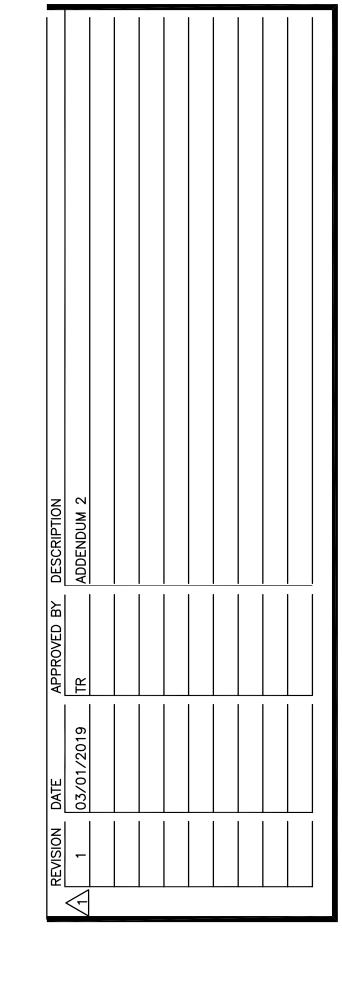
1801 SOUTH SECOND ST. SUITE 330

MCALLEN, TX 78503

956.994.1900

twgarch.com

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100% CONSTRUCTION

DOCUMENTS

PROPOSED

FREDDY GONZALEZ **ELEMENTARY** GYMNASIUM **IMPROVEMENTS**

2401 SUGAR RD. EDINBURG, TEXAS 78539

PROJECT DATE REVISED

Mc Allen, Texas 78501 956.683.1640 p 956.683.1903 f TBPE Firm Registration No. 2234

TS AW HH JL

DBR Project Number

1611801 02/15/2019

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