Purchasing Department

Emily Garza, Director of Purchasing

May 10, 2019

ADDENDUM ACKNOWLEDGEMENT FORM

To Whom It May Concern:

Concerning the <u>PSJA ISD CARNAHAN, FRANKLIN, AND BUELL CENTRAL HVAC ADDITIONS TO GYMS # 18-19-052</u>, to be opened at 4:00 p.m., Thursday, May 23, 2019. Please consider the following:

Addendum Number:	Description of REVISED Addendum:
1	PRE-BID AGENDA
	REVISED BID FORM
	PRE-BID SIGN IN SHEET
	ATTACHMENTS / DRAWINGS

For any questions pertaining to these changes, please contact Emily Garza, Director of Purchasing at (956) 354-2000.

Sincerely,

Emily Garza

Director of Purchasing

Emily Garya

With the acceptance of this form, I acknowledge that I have received the above "ADDENDUM ACKNOWLEDGEMENT FORM" for the <u>PSJA ISD CARNAHAN, FRANKLIN, AND BUELL CENTRAL HVAC ADDITIONS TO GYMS # 18-19-052</u>, to be opened at 4:00 p.m., Thursday, May 23, 2019. Please include a signed copy of this "ADDENDUM ACKNOWLEDGMENT FORM" with your bid/proposal.

Company Name:	Authorized Signature:	
Address:	Authorized Signature	
City / State / Zip:	Email:	
Telephone Number:	Fax Number:	

ADDENDUM #1

Date: May 10, 2019

PROJECT: PSJAI.S.D.

Carnahan, Franklin & Buell HVAC Additions to Gyms

Bid # 18-19-052

ARCHITECT: EGV Architects, Inc.

220 S. Bridge Hidalgo, TX 78557 (956) 843-2987



This addendum applies to work designated herein, shall be understood to be and as such shall be part and is included in the contract.

ITEM #1 Information, Pre Bid Agenda and Sign-In Sheets

 Refer to attached Pre-Bid Meeting Agenda and Sign-in Sheet labeled ATTACHMENT #1 (2 pages).

ITEM #2 Information, Dates and Times

- Last Day for Questions: Monday, May 20, 2019, before 10:00 am.
- Electronic Bid Due Date: Thursday, May 23, 2019, before 4:00 pm

ITEM #3 Addition, Specifications, Table of Contents

 Add section 01030 ALTERNATES......01030-1-2, to Division 1 below section 01027 Application for Payment.

ITEM #4 Substitution, Specifications Section 00200, Bid Form

• Substitute herein attached revised Bid form labeled **ATTACHMENT #2** (2 pages).

ITEM #5 Deletion, Specifications Section 01010, Item 1.19 Project Signs

• No project signs will be required for these projects.

ITEM #6 Addition, Specifications Section 01030, Alternates

Refer to attached specification section 01030 Alternates labeled ATTACHMENT #3 (2 pages).

ITEM #7 Addition, Specifications Section 08110 Steel Doors and Frames

• Insert herein attached specification Section 08110 Steel Doors and Frames labeled **ATTACHMENT #4** (2 pages).

ITEM #8 Addition, Finish Hardware for Doors H101 and H102

Add the following finish hardware sets for Doors H101 and H102.

DOORS # **H101**

EACH TO HAVE:

1	EA	CONT. HINGE	112HD-DOOR HEIGHT	628	IVE
1	EA	STOREROOM LOCK	T581BD DANE	626	FAL
1	EA	PERMANENT CORE	C607 X 3 KEYS	626	FAL
1	EA	CONSTRUCTION CORE	C607CCA	BLK	FAL
1	EA	LOCK GUARD	LG12	630	IVE
1	EA	OH STOP & HOLDER	90F	630	GLY
1	EA	DRIP CAP	16A-FRAME WIDTH PLUS 4"	CL	NGP
1	SET	SEALS	162S-HEAD & JAMBS	AL	NGP
1	EA	DOOR SWEEP	1025VA-DOOR WIDTH	CL	NGP
1	EA	THRESHOLD	896S SIA-FRAME WIDTH	AL	NGP

DOORS#

H102

EACH TO HAVE:

1	EA	PADLOCK	KS41F1200 X 4" SHACKLE		SCH
1	EA	PERMANENT CORE	C607 X 3 KEYS	626	FAL
1	EA	CONSTRUCTION CORE	C607CCA	BLK	FAL
		GATE HARDWARE	BALANCE OF HARDWARE BY GATE		
			MANUFACTURER		

ITEM #9 Information, Sheet AB1.0, Buell Gymnasium - Mean of egress

Refer to chart below for Occupancy classification for the gymnasium at Buell

P.S.J.A. I.S.D. BUELL HIGH SCHOOL GYM
OCCUPANCY CLASSIFICATION

USE GROUP E - EDUCATIONAL

1. BUILDING AREA
EXERCISE GYM - 4,929

2. MEANS OF EGRESS:
OCCUPANT LOAD CALCULATIONS
(EXERCISE GYM 4,929 S.F. + 50 O.L.F.)
OCCUPANCY LOAD (O.L.) = 99

3. EGRESS COMPONENTS:
EXIT DOORS
99 OCCUPANTS x 0.2" = DOOR WIDTH
REQUIRED
PROVIDED
20"
108"

ITEM #10 Addition, Drawings Sheet AH1.0 Detail #1

- Add fire riser room per drawing labeled **ATTACHMENT #5** (1 page).
- Add new door detail & top of wall reinforcement per drawing labeled ATTACHMENT #6 (1 page).
- Provide 6" reflective letters on riser room door to read: RISER ROOM

ITEM #11 Corrections, MEP Addendum

Refer to attached MEP addendum labeled ATTACHMENT #7 (8 pages).

PSJAI.S.D. CARNAHAN, FRANKLIN & BUELL HVAC ADDITIONS TO GYMS

BID #18-19-052

PRE-BID MEETING

May 9, 2019 at 10:00 AM

BID OPENING: May 23, 2019, at 4:00 pm

PLACE OF OPENING: PSJAI.S.D.

Administration Building, Room # 205

601 E. Kelly Pharr, TX 78577

ARCHITECT: E G V Architects, Inc.

220 S. Bridge Hidalgo, TX 78557 (956) 843-2987

1. BID REQUIREMENTS: Each bid must be submitted electronically.

The following items must be uploaded with the bid package, with the exception of those indicated to be turned in before.

- A. Bid Form (Section 00200)
- B. Bid Bond (surety co. shall be licensed in the State of Texas and Treasury listed).
- C. List of Subcontractors
- D. Contractor's Pre-bid Disclosure Statement (Section 00400) Due 5 working days before bid opening. This form must be emailed. Do not upload to PSJA website.
- E. PSJA ISD General Provisions
- F. Form A- Notice of Invitation to Bid
- G. Form B- Deviations from Specifications or General Terms & Conditions / Compliance Signature Form
- H. Form C- Bidder Preference / Texas Family Code Certification
- I. Form D- Historically Underutilized Business (HUB) Certification
- J. Form E- Supplier Diversity Form
- K. Form F- Instructions to School District Contractors Regarding Criminal History Background Searches Under Senate Bill 9
- L. Form G- Felony Conviction Disclosure Statement
- M. Form H- Form for Authorization of Electronic Direct Deposit

2. SPECIAL REQUIREMENTS:

- A. Bidder is responsible for printing hard copies of the plans, if needed. Owner will provide PDF format only.
- B. Contractor shall be familiar with the Evaluation Factors & Criteria for preparation of proposal.
- C. Addendum # 1 is pending.
- D. Liquidated damages: Refer to A101 Standard Form of Agreement Between Owner and Contractor, Section 3.4.
- E. Refer to Specifications Section 01010 Summary of Work, Items 1.18 and 1.29 for substitution guidelines.

3. GENERAL REQUIREMENTS:

- A. General conditions and special conditions to the Contract.
- B. If a conflict arises, contact the Architect, otherwise the most stringent of requirements will govern.

4. QUESTIONS

PSJA ISD CARNAHAN, FRANKLIN, AND BUELL CENTRAL HVAC ADDITIONS TO GYMS BID # 18-19-052 PRE-BID MEETING DATE: MAY 9, 2019 @ 10:00 A.M. PHARR-SAN JUAN-ALAMO I.S.D.

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FOATNOO	PERSON	Charles	JEREMY FOSTIK	Soul Canfy	-								
MAII ING	ADDRESS	apaa Orenia Aue Marikeu 18504	1622 SACATOGA BLUD.	1430 N. Alamo Rd.							•		
COMPANY	NAME	MM Contracting	PROTECH MECHANICAL	Ar Cool Tech									

BID FORM

Biddel/Contractor		
TO OWNER:	Pharr-San Juan-Alamo I.S.D. 601 E. Kelly Pharr, TX 78577	
PROJECT:	PSJA ISD Carnahan, Franklin & Buell HVAC Additions to Gyms Bid #18-19-052	
Ladies and Gentlem	nen:	
examined the plans all conditions affecti	pliance with Notice to Bidders for the construction of this project and specifications with related documents and having examined the ng the work, hereby proposes to furnish and to construct the p tract Documents for the sum set below.	site and
	services, and equipment necessary for completion of work shown specifications, except the work indicated by the Alternatives.	on the
Refer to Specification	ns Section 01020 for allowances to be included in each base bid.	
1. CONTING 2. LAB TEST		
BASE BID:		D !!
\$		Dollars
	 75 consecutive calendar days for Carnahan. 90 consecutive calendar days for Buell and Franklin. 	
Contingency	Allowance: Add \$50,000 to this base bid	
ADD ALTERNATE #	1: Upgrade Fire Alarm panel at Buell	Dellara
\$		Dollars
Time of completion:	consecutive calendar days.	
ADD ALTERNATE #2	2: Upgrade Fire Alarm panel at Franklin	
<u> </u>		Dollars
time of completion:	consecutive calendar days.	

THE 75 AND 90 DAYS LISTED ABOVE SHALL RUN CONCURRENT.

Refer to specification Section 01010 Summary of Work, Items 1.18 and 1.29 for substitution guidelines.

The Undersigned, if awarded the contract agrees to commence work within eight consecutive calendar days from date of Notice to Proceed.

It is understood that if accepted by Owner, this bid becomes a part of the contract documents upon signing of this contract.

It is also understood that the Owner reserves the right to reject any or all bid and waive irregularities and formalities or to accept any bid considered advantageous.

The Undersigned agrees to waive any claim against the district, the architect, or engineer on the project, or any of their employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid.

The undersigned agrees that he will not withdraw this bid for a period of thirty days from the date thereof.

I hereby acknowledge the rec	eipt of Addendum No	Dated:
	Addendum No.	Dated:
Date:	Signed	
	Ву	
	Address	

(Seal if Bid is by corporation)

<u>DIVISION 1 GENERAL REQUIREMENTS</u> <u>01030 ALTERNATES</u>

PART 1 GENERAL

1.1 DESCRIPTION:

- A. Work Included: Certain Alternates have been established as described herein. These are to allow the Owner to:
 - 1. Compare costs where Alternate materials and methods may be used.
 - 2. Make a decision concerning Alternate materials and methods prior to awarding the Contract.

1.2 RELATED WORK:

- A. Pertinent Sections of the Specifications describe the materials and methods required under the Various Alternates.
- B. The method for stating the proposed Contract Sum is described on the Bid Form.

1.3 SUBMITTALS:

- A. Indicate on the Bid Form a proposal for each Alternate listed.
- B. If no figure is indicated for an Alternate, that Alternate may be accepted at no charge in the Base Bid.
- C. Do not submit Alternates other than those described in this Section.
- D. Do not submit statements qualifying alternates.

PART 2 - PRODUCT HANDLING

2.1 ALTERNATES:

A. If the Owner elects to accept one or more Alternates, make all modifications required if furnishing and installation of the selected Alternates to approval of Architect and at no additional cost other than proposed on the Bid Form.

<u>ADD ALTERNATE #1</u>: UPGRADE FIRE ALARM PANEL AT BUELL AS PER ELECTRICAL ADDENDUM #1.

<u>ADD ALTERNATE #2</u>: UPGRADE FIRE ALARM PANEL AT FRANKLIN AS PER ELECTRICAL ADDENDUM #1.

PART 3 EXECUTION

3.1 ADVANCED COORDINATION:

- A. Immediately after award of Contract, advise necessary subcontractors and suppliers as to:
 - 1. Nature and extent of accepted alternates.
 - 2. Involved changes caused by alternates selection.

3.2 SURFACE CONDITIONS:

A. Prior to installation of Alternative items, verify that work has been modified as necessary to accept the installation and that items may be installed in complete accordance with their manufacturer's current recommendations. In the event of discrepancy, notify Architect and proceed as directed.

END OF SECTION

<u>DIVISION 8 DOORS AND WINDOWS</u> 08110 STEEL DOORS AND FRAMES

(For Carnahan Elementary Gym Only)

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data, door schedule, and shop drawings that indicate general construction, configurations, jointing methods, reinforcements, and location of hardware.
 - 1. Provide manufacturers installation instructions and cut sheets for fire and smoke seals as required to comply with UL-10C and UL 1784
- B. Comply with ANSI/SDI 100.
- C. Fire-Rated Door Assemblies: NFPA 80, tested per ASTM E 152 and tested to meet UL 10B and 10C for neutral and positive pressure requirements. Labeled and listed by UL, ITS, or another testing and inspecting agency acceptable to authorities having jurisdiction.

1.2 QUALITY ASSURANCE

- A. Applicable Standards: Specifications and standards of SDI 100 (ANSI A250.8-2003).
- B. Fire-Rated Door Assemblies: Where fire-rated door assemblies are indicated or required, provide fire-rated door and frame assemblies that comply with NFPA 80 and have been tested, listed, and labeled in accordance with ASTM E2074-2001.
 - Oversize Fire-Rated Door Assemblies: For door assemblies required to be firerated and exceeding sizes of tested assemblies, provide certificate or label from approved independent testing and inspection agency, indicating that door and frame assembly conforms to requirements of design, materials and construction as established by individual listings for tested assemblies.
 - 2. Temperature Rise Rating: At stairwell enclosures, provide doors, which have Temperature Rise Rating of 450 degrees F maximum in 30 minutes of fire exposure.
 - 3. Smoke and Fire Door Seals: Door supplier to provide UL-10c and UL1784 compliant seals as required at labeled openings.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Hot-Rolled Steel Sheets: ASTM A 569/A 569M.
- B. Cold-Rolled Steel Sheets: ASTM A 366/A 366M or ASTM A 620/A 620M.
- C. Galvanized Steel Sheets: ASTM A 653/A 653M, commercial steel, or ASTM A 642/A 642M, drawing quality, with A40 or A60 (ZF180 or Z180) coating designation, mill phosphatized.

2.2 STEEL DOORS AND FRAMES

- A. Hollow metal doors and frames shall be from one of the following:
 - 1. Dean Steel Manufacturing Co.
 - 2. Allied Steel Products, Inc.
 - 3. Ceco Corp.
 - 4. or approved equal

- B. Hollow metal doors shall be constructed with continuous vertical 16 ga channels and horizontal inverted 16 ga top and bottom channels. Hinge and lock reinforcements must be projection welded to the vertical channels.
- C. Steel Doors: 1-3/4-inch thick of materials and ANSI/SDI 100 grades and specified below.
 - 1. Interior Doors: GRADE II, heavy duty, Model 1, full flush design, minimum 18 ga. thick, cold-rolled steel sheet faces.
 - 2. Exterior Doors: GRADE III, extra heavy-duty, Model 2, insulated, full flush design, minimum 16 ga. Thick.
- D. Door Louvers: sight proof per SDI 111C.
 - 1. Fire-Rated Automatic Louvers: Actuated by fusible links at 150 deg F(65 deg C) and listed and labeled.
 - 2. Provide sight proof louvers for interior doors where indicated, constructed of 24-gauge steel V-shaped or y-shaped blades, set into 20-gauge steel frame.
 - 3. Provide weatherproof louvers with insect screen for exterior doors where indicated, constructed of 18 ga. steel.
- E. Door Silencers: Three on strike jambs of single-door frames and two on heads of double-door frames.
- F. Plaster Guards: Provide 26 gauge where mortar might obstruct hardware operation and to close off interior of openings.
- G. Fabricate steel frames to be rigid, neat in appearance, and free from defects, warp, or buckle.
 - 1. Interior Frames: Fabricate with mitered or coped **and face welded corners** formed from **16** ga. thick, cold-rolled steel for openings indicated on the drawings.
 - 2. Exterior Frames: Fabricate with mitered or coped and face welded corners, formed from 16 ga. thick steel sheet.
- H. Prepare doors and frames to receive hardware that is not surface applied according to SDI 107, see Division 8 Section "Door Hardware".
- I. Sealants: Per SDI 100 / ANSI A250.8 Appendix B (water penetration).
- J. Metal Door Frame Undercoating: Per SDI 100 / ANSI A250.8 section 4.2.2.
- K. Prime Coat: Standard manufacturers primer per SDI 100 / A250.8 section 2.05.
- L. Door Schedule: Provide materials and products that result in colors and finishes of surfaces complying with the Door Schedule.

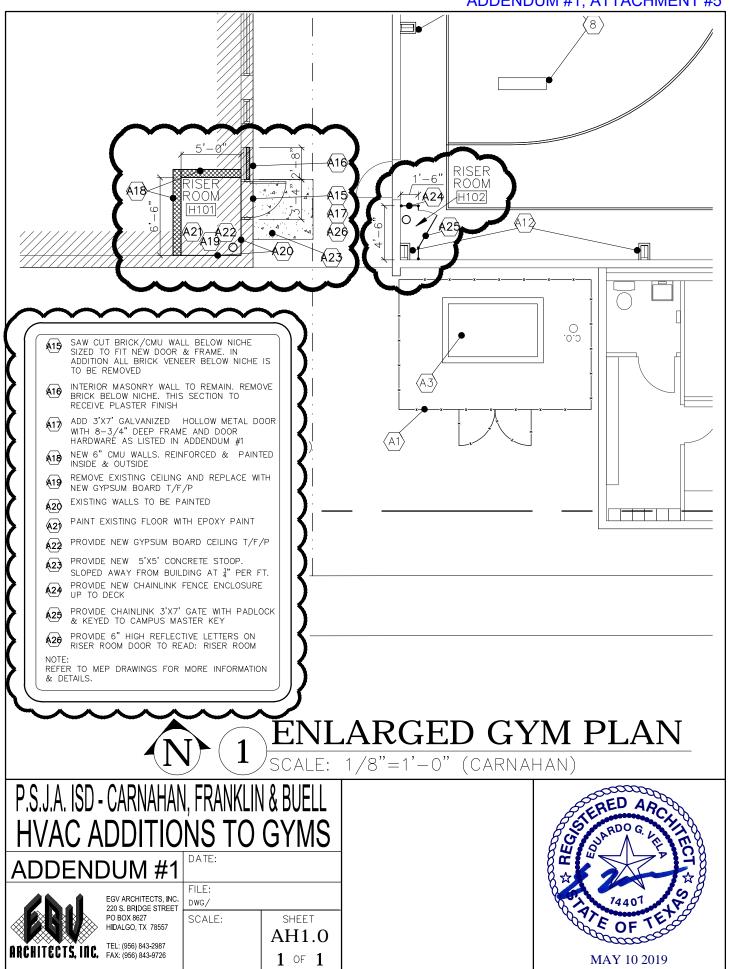
2.3 ANCHORS AND ACCESSORIES

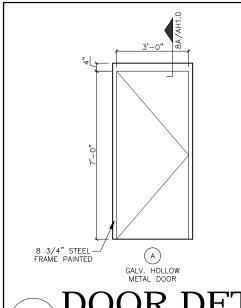
A. Manufacturer's standard units. Use galvanized items for units built into exterior walls, complying with ASTM A 153.

PART 3 - EXECUTION

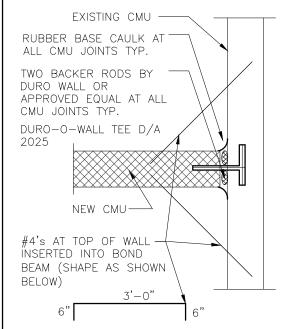
3.1 INSTALLATION

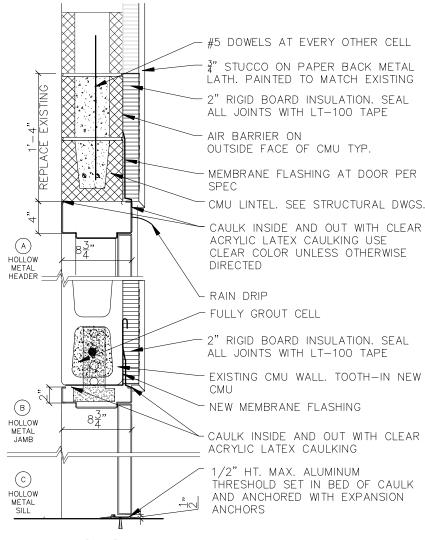
- A. Place steel frames to comply with SDI 105.
- B. Install steel doors accurately in frames, within clearances specified in ANSI/SDI 100.
 - 1. Fire-Rated Doors: Install with clearances specified in NFPA 80.
 - 2. Smoke-Control Doors: Comply with NFPA 105.
- C. DOORS AND FRAMES must be stored elevated from the floor and warranty requires they be stored in cool, dry place.





1/4"=1'-0"





R DET. SCALE: 1"=1'-0"

SCALE: 3/4"=1'-0"

P.S.J.A. ISD - CARNAHAN, FRANKLIN & BUELL **HVAC ADDITIONS TO GYMS**

ADDENDUM #1



EGV ARCHITECTS, INC. 220 S BRIDGE STREET PO BOX 8627 HIDALGO, TX 78557

FILE: DWG/ SHEET SCALE: AH1.0 1 OF 1





P: 956.973.0500 | F: 956.351.5750 www.trinitymep.com | Copyright 2019 Texas Registered Engineering Firm No. - F10362

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ADDENDUM #1

Architect: EGV Architects

Project Name: PSJA - Carnahan. Franklin & Buell Additions To Gyms

Project Number: 19.1.31

Date: 05-08-19

Note: The work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

I. Specifications: N/A

II. General: N/AIII. Mechanical:

IV. Electrical:

- 1. Sheet E0.0 Revised Light fixture schedule.
- 2. Sheet EB1.0 Revised plans refer to Addendum #1.
- 3. Sheet EB1.1 Revised plans refer to Addendum #1.
- 4. Sheet EH1.1 Revised plans refer to Addendum #1.
- 5. Sheet El1.1 Revised plans refer to Addendum #1.
- 6. Sheet E1.1 Revised electrical riser and schedules. Refer to Addendum #1.

V. Plumbing: n/a

- VI. Fire Protection:
 - 1. Sheet FH1.0 Revised Keynote #5 refer to attachment FH1.0.
 - 2. Sheet FH1.0 Revised Fire Line And F.D.C. Line refer to attachment FH1.0.

- RECEPTACLE

Provide 18"Aff unless OTHERWISE NOTED.

— DATA OUTLET

— TELEPHONE OULET

48" MAX. UNLESS LOCATED

ABOVE "OBSTRUCTION"

SUCH AS A COUTER, THEN

FINISHED FLOOR

42" MAXIMUM.

CAMERA J-BOX W/ 3/4" CONDUIT

TELEPHONE BOARD- 3/4"x8" FIRE RATED

4" MIN.

—WALL MOUNTED SMOKE DETECTOR

FINISHED FLOOR

-FIRE ALARM STROBE/AUDIO

12" MAX. AND

THERMOSTAT, RE: DIV. 15

-FIRE ALARM PULL SWITCH

-RECEPTACLE

-DATA OUTLET

-TELEPHONE OULET

FINISHED FLOOR

ADDENDUM #1, ATTACHMENT #7

GENERAL ELECTRICAL NOTES

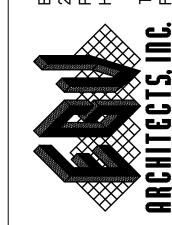
- ALL SYMBOLS AND ABBREVIATIONS SHOWN ON THIS LEGEND MAY NOT
- 2. USE DIRECTIONAL ARROW ON EXIT SIGNS AS REQUIRED.

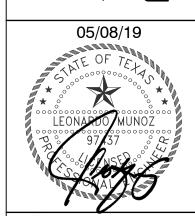
APPEAR ON THIS SET OF DRAWINGS.

3. IEEE STANDARD C37.2-1991, ELECTRICAL POWER SYSTEM DEVICE FUNCTION

ALL RECEPTACLES, SWITCHES AND JUNCTION BOXES SERVED BY

DATE APPROVED	05-08-2019			
NO. REVISIONS	ADDENDUM #1			
NO.	\triangleleft			

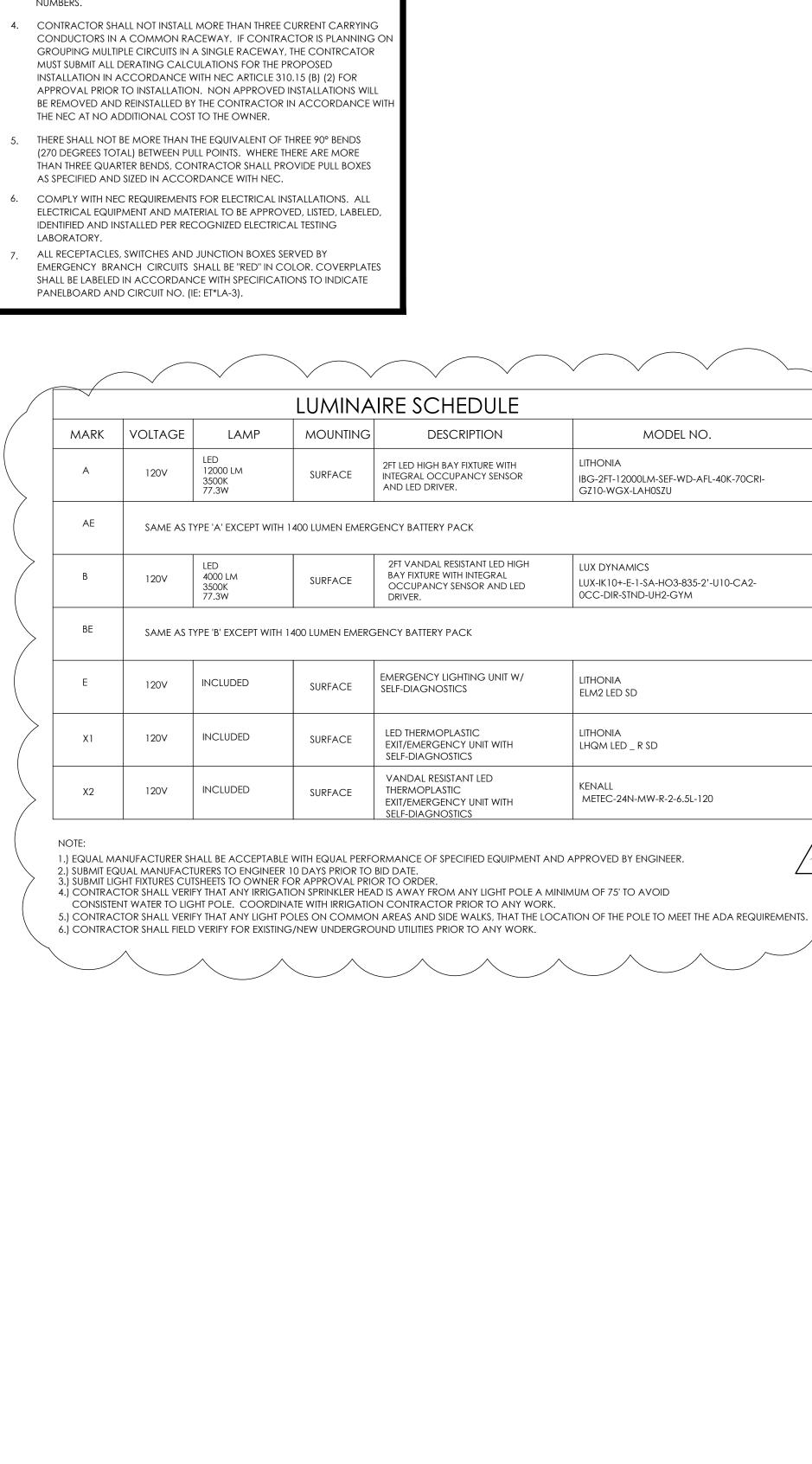




3533 Moreland Dr. Ste A I Weslaco, Tx 78596 p:956.973.0500 | f:956-351-5750 www.trinitymep.com I Copyright 2019 Texas Registered Engineering Firm - F10362 T:\2019\19.1.31\DWGs\19.1.31 ELEC Carnahan Gym.dwg

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FILE NO. dwg/psja/reroofing 17-18



ADDENDUM #1, ATTACHMENT #7

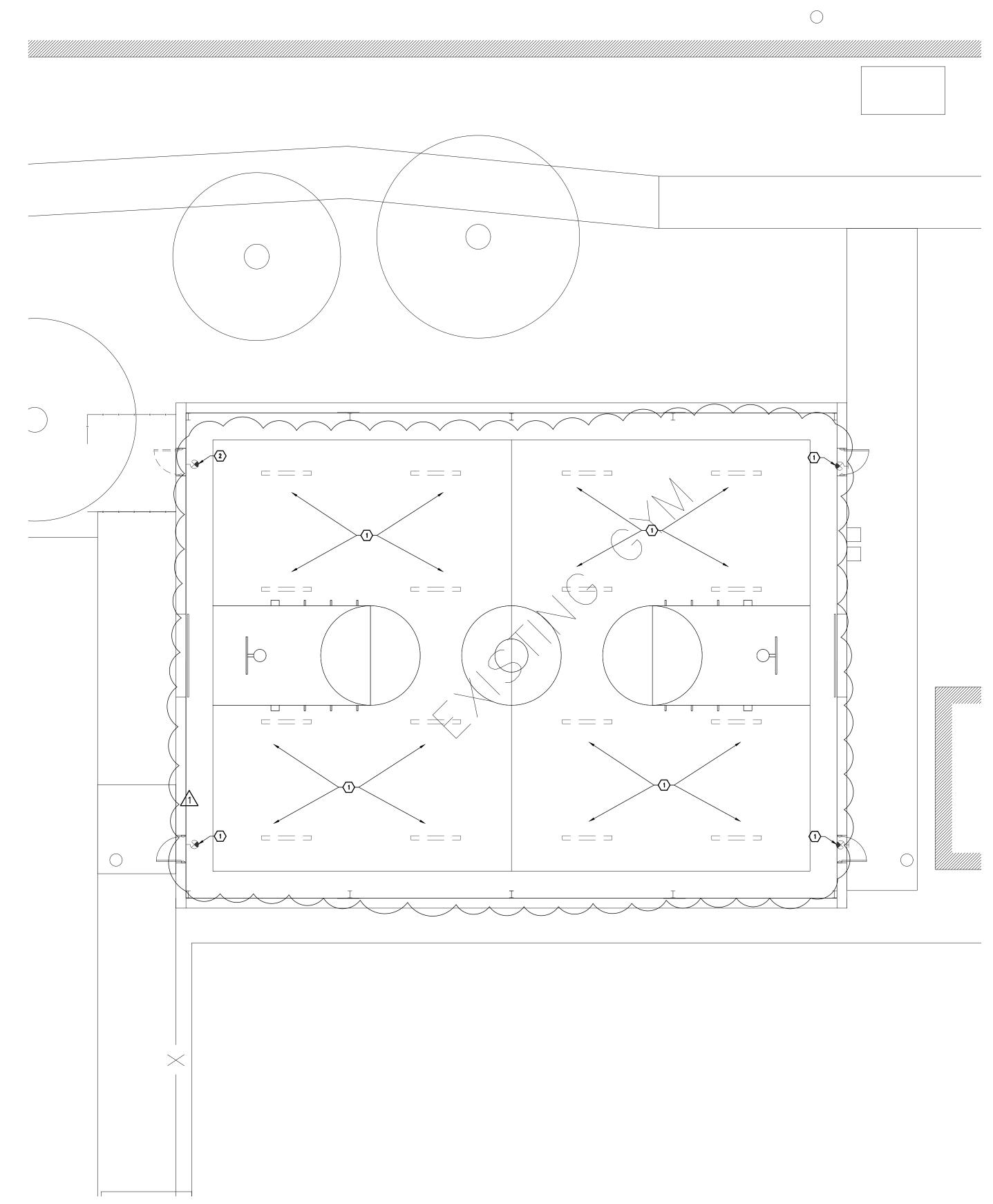
GENERAL DEMOLITION NOTES: (TO ALL SHEETS)

- A. THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED TO PROPERLY BID THE DEMOLITION WORK.
- B. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL EQUIPMENT AND ASSOCIATED CONDUCTORS, CONDUIT, BOXES, ETC. TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.
- C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN ADDITION TO THE DIVISION 15 AND 16 DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.
- D. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO THEIR SOURCE.
- E. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE RELOCATED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO A CONCEALED JUNCTION BOX AND NEW PRODUCTS SHALL BE USED TO EXTEND THE SERVICE TO THE NEW LOCATION.
- F. WHERE CONDUITS RUN ABOVE INACCESSIBLE CEILINGS OR IN WALLS WHICH ARE NOT PART OF DEMOLITION ARE TO REMAIN UNDISTURBED, CONDUCTORS SHALL BE REMOVED AND THE CONDUITS CAPPED AND ABANDONED.
- G. WHERE THE REMOVAL OF DEVICES OR EQUIPMENT RENDERS EQUIPMENT DOWNSTREAM INOPERABLE, SERVICE SHALL BE EXTENDED TO THE DOWNSTREAM DEVICE OR EQUIPMENT SO THAT THE DEVICE OR EQUIPMENT IS LEFT IN OPERATING CONDITION.
- H. COORDINATE DEMOLITION OF DIVISION 16 SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.
- I. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND WIRING REMOVED DURING CONSTRUCTION NO LONGER REQUIRED AS PART OF AN ACTIVE SYSTEM AND NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.
- J. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING THE REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- K. EXISTING DEVICES AND/OR EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE DISCRETION OF THE ARCHITECT WHERE APPLICABLE.
- L. ALL DEVICES WITH AN "EX" SYMBOL ARE EXISTING TO REMAIN.
- M. ALL DEVICES ATTACHED TO WALLS OR CEILINGS SHALL BE REMOVED PER DEMOLITION NOTE A L WHETHER SHOWN ON DRAWINGS OR NOT.

KEYED NOTES: DEMOLITION

EXISTING LIGHTS TO BE REMOVED AND REPLACED AT EXISTING LOCATIONS, REFER TO LUMINAIRE SCHEDULE. EXISTING CONDUIT AND WIRE TO REMAIN.

 $\overline{2}$ Existing lights to be removed.



1 ENLARGED DEMO GYM PLAN

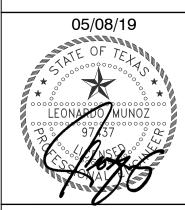
INC. PESIGNED: NO. REVISIONS DATE

DESIGNED: ADDENDUM #1 05-08

CHECKED: SCALE:

EGV ARCHITECTS, INC. 220 S. BRIDGE STREET PO BOX 8627 HIDALGO, TX 78557





TRINITY

MEP ENGINEERING

3533 Moreland Dr. Ste A I Weslaco, Tx 78596
p:956.973.0500 I f:956-351-5750
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Texas Registered Engineering Firm - F10362
Project number:

Texas Registered Engineering Firm - Ft Project number:

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S.J.A. ISD - CARNAHAN, FRANKLIN & BUE TVAC ADDITIONS TO GYN

JOB NO.
FILE NO. dwg/psja/reroofing 17-18

 \Box

EB1#0

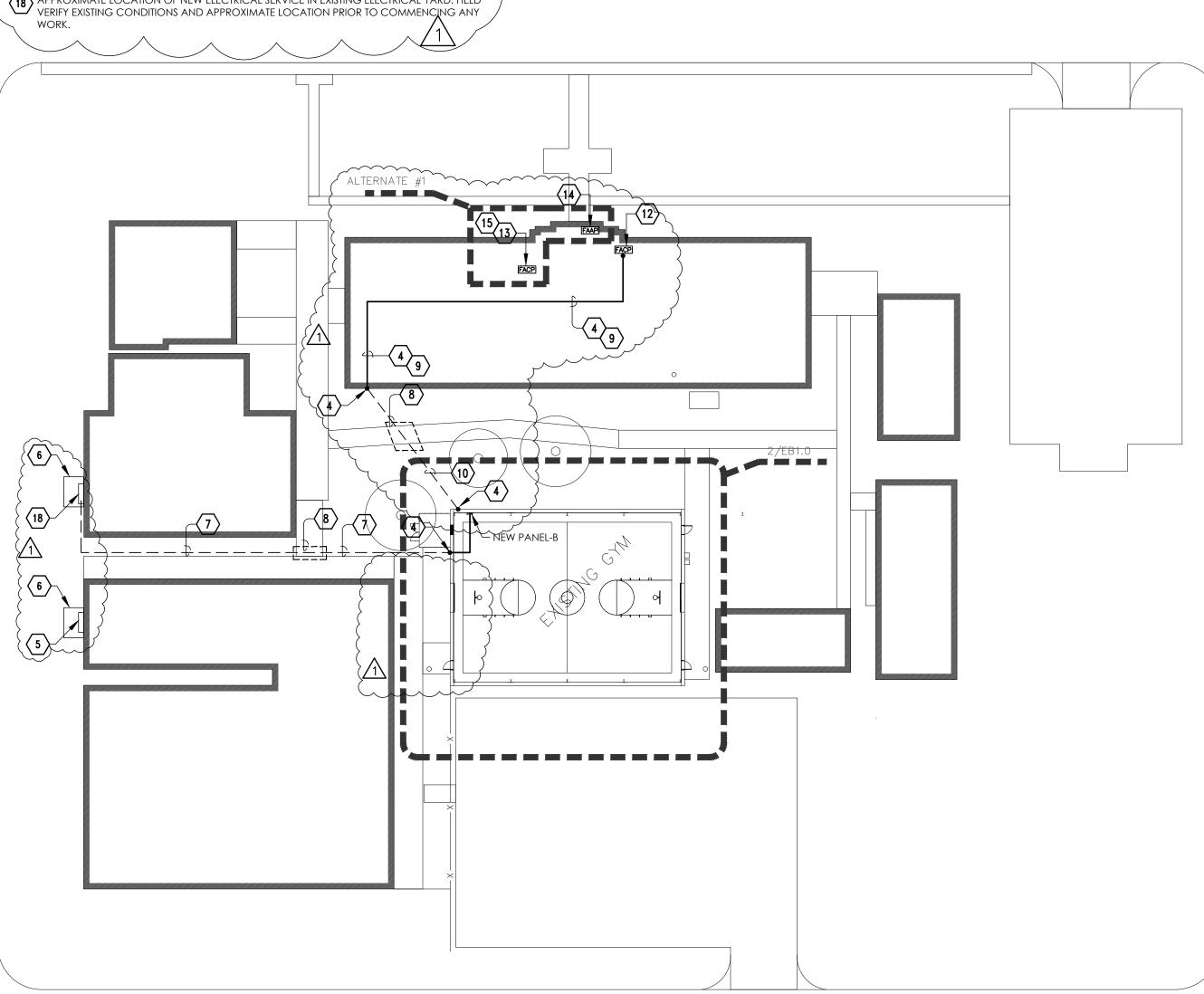
KEYED NOTES: ELECTRICAL

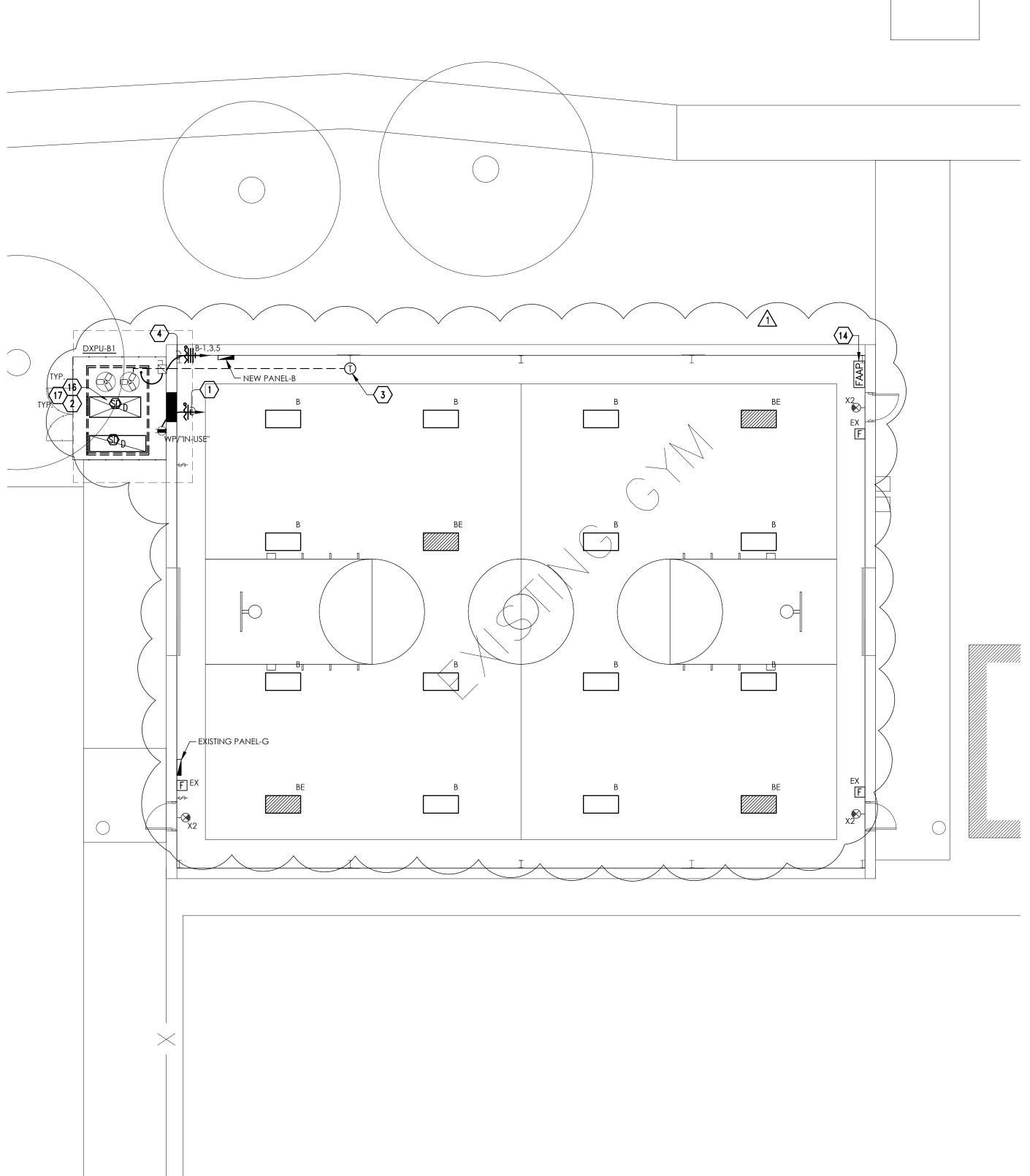
- PROVIDE NEW CIRCUIT TO EXISTING PANEL "G" FIELD VERIFY EXISTING LOCATION PRIOR TO COMMENCING ANY WORK. PROVIDE 20AMP, 120V, BREAKER, WIRE SHALL BE 2#10,1#10G,
- 2PROVIDE NEW FIRE ALARM DUCT SMOKE DETECTOR WITH CONDUIT TO NEAREST FIRE ALARM INITIATING DEVICE. PROVIDE 3/4"C FOR EACH AND PROVIDE ALL MATERIALS REQUIRED FOR A FULLY OPERABLE CODE COMPLIANT SYSTEM. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK
- $\left\langle \mathbf{3} \right\rangle$ NEW J-BOX FOR UNIT CONTROL WIRING. FROM J-BOX TO THERMOSTAT PROVIDE 1-1"C, REFER TO MECHANICAL DRAWINGS FOR THERMOSTAT LOCATION.
- 4 ROUTE NEW CONDUITS ABOVE CEILING ALONG EXTERIOR GYM WALL. ALL EXPOSED CONDUIT ON INTERIOR AND EXTERIOR SHALL BE PAINTED TO MATCH ATTACHED FINISHED
- 5 APPROXIMATE LOCATION OF EXISTING ELECTRICAL SERVICE EQUIPMENT. REFER TO ELECTRICAL RISER DIAGRAM.
- 6 EXISTING ELECTRICAL YARD. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK.
- 7 NEW FEEDER REFER TO ELECTRICAL RISER DIAGRAM. FIELD VERIFY WITH ALL UTILITIES.
- 8 BORE AND BACK FILL UNDER FLATWORK. FIEDL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK.
- $\langle 9 \rangle$ ROUTE TO EXISTING FIRE ALARM SYSTEM. FIELD VERIFY EXACT LOCATION PRIOR TO COMMENCING ANY WORK.
- $\langle 10 \rangle$ Provide 2-2"C with pullstring. Field verify routing with existing conditions INCLUDING EXISTING UTILITIES PRIOR T COMMENCING ANY WORK.
- PROVIDE 2-2"C WITH PULLSTRING CONCEALED ABOVE CEILING. FIELD VERIFY ROUTING WITH EXISTING CONDITIONS INCLUDING CEILINGS AND OBSTRUCTIONS PRIOR TO COMMENCING
- EXISTING FIRE ALARM CONTROL PANEL (SK-508) TO REMAIN. FIELD VERIFY EXISTING LOCATION AND CONDITIONS PRIOR TO COMMENCING ANY WORK.
- PROPOSED NEW FIRE ALARM CONTROL PANEL. SHALL BE LOCATED IN ADMINISTRATION OFFICE. COORDINATE EXACT LOCATION WITH OWNER AND LOCAL AHJ PRIOR TO COMMENCING ANY WORK.
- PROPOSED NEW FIRE ALARM ANNUNCIATOR PANEL. SHALL BE LOCATED IN ADMINISTRATION OFFICE. COORDINATE EXACT LOCATION WITH OWNER AND LOCAL AHJ PRIOR TO COMMENCING ANY WORK.
- SHALL BE PART OF ALTERNATE #1. INCLUDE ALL REQUIRED CONNECTIONS TO EXISTING FIRE ALARM AND NEW DEVICES IN PROPOSED SCOPE OF WORK. NEW SMOKE DETECTORS SHALL BE NON ADDRESSABLE AND CONNECTED TO EXISTING FIRE ALARM SYSTEM AS PART OF BASE BID. ELECTRICAL CONTRACTOR TO VERIFY EXISTING
- CONTROL PANEL AVAILABLE CAPACITY. NEW SMOKE DETECTORS SHALL BE ADDRESSABLE AND CONNECTED TO NEW ADDRESSABLE FIRE ALARM SYSTEM AS PART OF ALTERNATE #1.
- APPROXIMATE LOCATION OF NEW ELECTRICAL SERVICE IN EXISTING ELECTRICAL YARD. FIELD VERIFY EXISTING CONDITIONS AND APPROXIMATE LOCATION PRIOR TO COMMENCING ANY

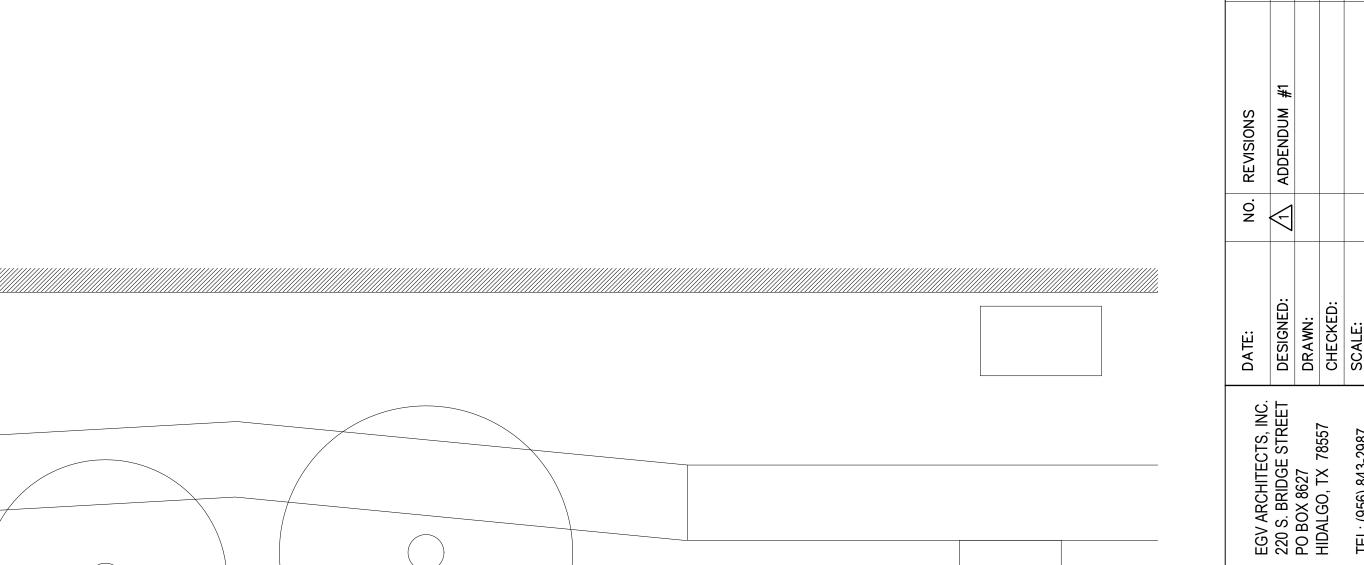
N 1 BUELL HS SITE PLAN

GENERAL NOTES: ELECTRICAL

- A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK.
- B. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO H.V.A.C EQUIPMENT, PLUMBING EQUIPMENT, REFER TO PANEL SCHEDULE FOR WIRE SIZE.
- C. ELECTRICAL CONTRACTOR SHALL PROVIDE STARTERS, RELAYS, CONTACTORS AND THE REQUIRED ELECTRICAL ACCESSORIES FOR MECHANICAL SYSTEM AS REQUIRED.
- D. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE W/MECHANICAL DRAWINGS TO MEET ELECTRICAL AND MECHANICAL REQUIRED CLEARANCE BY THE
- E. COORDINATE EXACT LOCATION OF ISOLATED OUTLETS FOR COMPUTERS WITH
- F. ELECTRICAL CONTRACTOR SHALL PROVIDE J-BOX AND CONDUIT FOR H.V.A.C. CONTROLS AND THERMOSTATS. COORDINATE EXACT LOCATION WITH MECHANICAL
- G. NEMA RATED OUTLETS, REFER TO BREAKER SIZE AND COORDINATE WITH EQUIPMENT REQUIREMENTS PRIOR TO BID.
- H. CONTRACTOR SHALL REFER TO EQUIPMENT SUBMITTAL FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO COMMENCING ANY WORK.
- I. ALL ELECTRICAL POWER RECEPTACLES SHALL BE TAMPER PROOF.
- J. ALL EXIT FIXTURES TYPE-"X1 & X2", EMERGENCY LIGHT FIXTURE TYPE-"E" AND ALL EMERGENCY BALLAST SHALL BE ON CIRCUIT "X-X". FIXTURE TYPE LABEL WITH AN "_E" ARE LIGHT FIXTURES WITH EMERGENCY BALLAST. REFER TO LIGHT FIXTURE
- K. VERIFY CEILING TYPES AND COORDINATE WITH FIXTURE TYPE LIGHT FIXTURE SHALL BE COMPATIBLE WITH CEILING TYPE AS INDICATED ON THE ARCHITECTURAL DOCUMENTS. NOTIFY ENGINEER IF DISCREPANCIES EXIST
- PRIOR TO ORDERING FIXTURES. L. COORDINATE EXACT ROUTING OF ALL CONDUIT ABOVE CEILING IN BUILDING. TYPICAL FOR ALL BUILDING EXTERIOR LIGHTING.
- M. COORDINATE LOCATION OF LIGHTS WITH DIFFUSERS AND GRILLES.
- N. SWITCH LEGS ARE NOT SHOWN WHERE SWITCHING SCHEME IS OBVIOUS.
- O. CONTRACTOR SHALL REFER TO EQUIPMENT SUBMITTAL FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO COMMENCING ANY WORK.







ENLARGED GYM PLAN

FILE NO. dwg/psja/reroofing 17-18

EB1#1

05/08/19

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YMS

BUELL

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FRANKLIN

CARNAHAN

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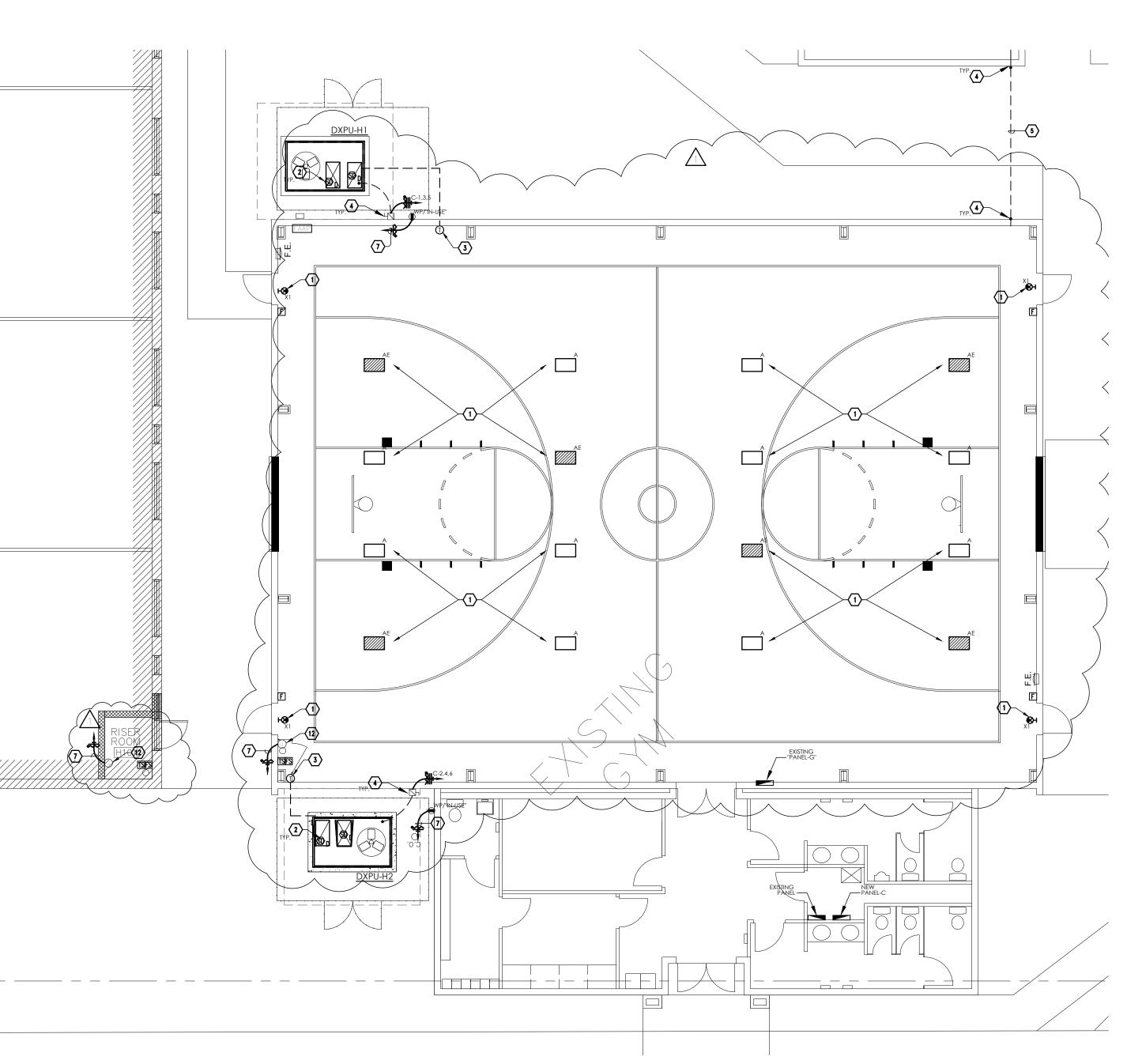
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KEYED NOTES: ELECTRICAL

- EXISTING CIRCUIT AND EXISTING MEANS OF CONTROL SHALL BE RE CONNECTED. FIELD VERIFY EXISTING CONDITIONS AND EXISTING VOLTAGES. ALL WORK MUST BE DONE IN ACCORDANCE WITH ALL LATEST CODES AND MUST BE OPERATIONAL.
- PROVIDE NEW FIRE ALARM DUCT/SMOKE DETECTOR WITH CONDUIT TO NEAREST FIRE ALARM INITIATING DEVICE. PROVIDE 3/4"C FOR EACH AND PROVIDE ALL MATERIALS REQUIRED FOR A FULLY OPERABLE CODE COMPLIANT SYSTEM. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK
- NEW J-BOX FOR UNIT CONTROL WIRING. FROM J-BOX TO THERMOSTAT PROVIDE 1-1"C, REFER TO MECHANICAL DRAWINGS FOR THERMOSTAT LOCATION.
- ROUTE NEW CONDUITS ABOVE CEILING ALONG EXTERIOR GYM WALL. ALL EXPOSED CONDUIT ON INTERIOR AND EXTERIOR SHALL BE PAINTED TO MATCH ATTACHED FINISHED
- PROVIDE 2-2"C WITH PULLSTRING. FIELD VERIFY ROUTING WITH EXISTING CONDITIONS INCLUDING EXISTING UTILITIES PRIOR T COMMENCING ANY WORK.
- PROVIDE 2-2"C WITH PULLSTRING CONCEALED ABOVE CEILING. FIELD VERIFY ROUTING WITH EXISTING CONDITIONS INCLUDING CEILINGS AND OBSTRUCTIONS PRIOR TO COMMENCING
- PROVIDE NEW CIRCUIT TO EXISTING PANEL "G" FIELD VERIFY EXISTING LOCATION PRIOR TO COMMENCING ANY WORK. PROVIDE 20AMP, 120V, BREAKER, WIRE SHALL BE 2#10,1#10G,
- PROPOSED LOCATION OF NEW ELECTRICAL SERVICE EQUIPMENT. REFER TO ELECTRICAL RISER DIAGRAM.
- 9 EXISTING ELECTRICAL YARD. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK.
- $\overline{\left\langle 10 \right\rangle}$ NEW FEEDER REFER TO ELECTRICAL RISER DIAGRAM. FIELD VERIFY WITH ALL UTILITIES.
- BORE-AND BACK FILL UNDER FLATWORK. FIEDL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK.
- 12 J-BOX FOR FIRE SPRINKLER RISER. COORDINATE EXACT LOCATION AND ALL REQUIRED ELECTRICAL CONNECTIONS PRIOR TO COMMENCING ANY WORK.

GENERAL NOTES: ELECTRICAL

- A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK.
- B. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO H.V.A.C
- EQUIPMENT, PLUMBING EQUIPMENT, REFER TO PANEL SCHEDULE FOR WIRE SIZE. C. ELECTRICAL CONTRACTOR SHALL PROVIDE STARTERS, RELAYS, CONTACTORS AND THE
- REQUIRED ELECTRICAL ACCESSORIES FOR MECHANICAL SYSTEM AS REQUIRED.
- D. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE W/MECHANICAL DRAWINGS TO MEET ELECTRICAL AND MECHANICAL REQUIRED CLEARANCE BY THE
- E. COORDINATE EXACT LOCATION OF ISOLATED OUTLETS FOR COMPUTERS WITH
- F. ELECTRICAL CONTRACTOR SHALL PROVIDE J-BOX AND CONDUIT FOR H.V.A.C. CONTROLS AND THERMOSTATS. COORDINATE EXACT LOCATION WITH MECHANICAL
- G. NEMA RATED OUTLETS, REFER TO BREAKER SIZE AND COORDINATE WITH EQUIPMENT REQUIREMENTS PRIOR TO BID.
- H. CONTRACTOR SHALL REFER TO EQUIPMENT SUBMITTAL FOR ALL ELECTRICAL
- REQUIREMENTS PRIOR TO COMMENCING ANY WORK.
- I. ALL ELECTRICAL POWER RECEPTACLES SHALL BE TAMPER PROOF.
- J. ALL EXIT FIXTURES TYPE-"X1 & X2", EMERGENCY LIGHT FIXTURE TYPE-"E" AND ALL EMERGENCY BALLAST SHALL BE ON CIRCUIT "X-X". FIXTURE TYPE LABEL WITH AN "_E" ARE LIGHT FIXTURES WITH EMERGENCY BALLAST. REFER TO LIGHT FIXTURE
- K. VERIFY CEILING TYPES AND COORDINATE WITH FIXTURE TYPE LIGHT FIXTURE SHALL BE COMPATIBLE WITH CEILING TYPE AS INDICATED ON THE ARCHITECTURAL DOCUMENTS. NOTIFY ENGINEER IF DISCREPANCIES EXIST PRIOR TO ORDERING FIXTURES.
- L. COORDINATE EXACT ROUTING OF ALL CONDUIT ABOVE CEILING IN BUILDING. TYPICAL FOR ALL BUILDING EXTERIOR LIGHTING.
- M. COORDINATE LOCATION OF LIGHTS WITH DIFFUSERS AND GRILLES.
- N. SWITCH LEGS ARE NOT SHOWN WHERE SWITCHING SCHEME IS OBVIOUS.
- O. CONTRACTOR SHALL REFER TO EQUIPMENT SUBMITTAL FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO COMMENCING ANY WORK.



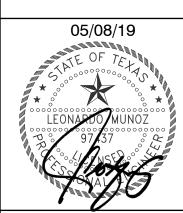


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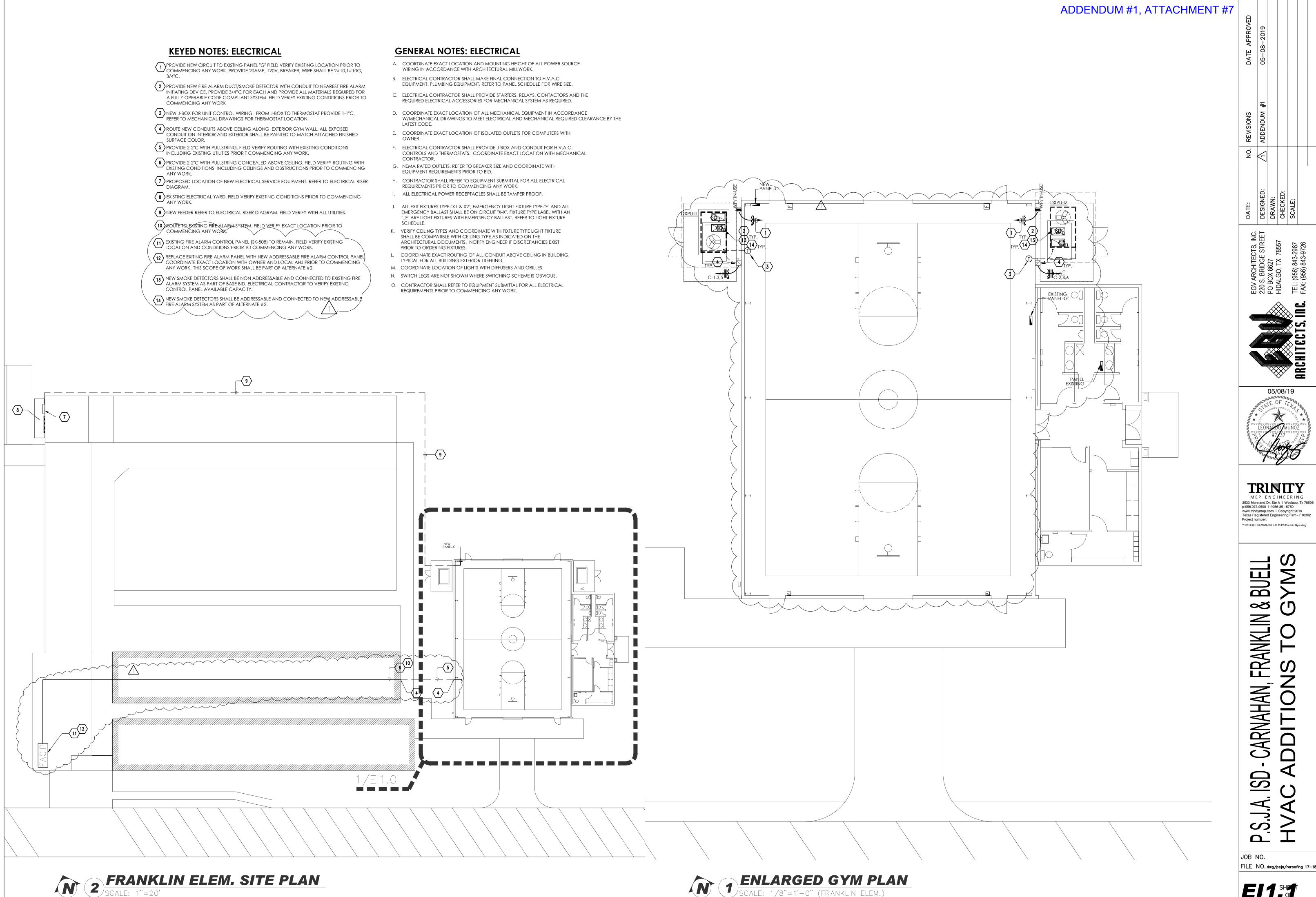
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BUELL **ං**ජ FRANKLIN CARNAHAN, S

<u>S</u> FILE NO. dwg/psja/reroofing 17-18

EH1:1



PANEL-C	AMP	LUGS	NEMA	∨(LL)		(P)		(W)		V(LN)	MNT	KAIC	FDR	
LOCATION- CARNAHAN	400	MB	1	240		3		4		120	SUR.	10	1-RU	IN 4#350KCMIL, 1#3G, 4"C
LOAD	СКТ	LOAD	BKR	POLE	FEEDER/BRANCH CIRCUIT				FEEDER/BRANCH CIRCUIT	POLE	BKR	LOAD	СКТ	LOAD
SERVED	#	KVA	SIZE		SIZE	Α	В	С	SIZE		SIZE	KVA	#	SERVED
DXPU-H1	1	7.48	80	3	4#4, 1#8G,1 1/2"C	*			4#4, 1#8G,1 1/2"C	3	80	7.48	2	DXPU-H2
н	3	7.48			-		*		-			7.48	4	п
п	5	7.48			-			*	-			7.48	6	п
EXISTING PANEL	7	12	100	3	4#2, 1#8G,2"C	*			4#2, 1#8G,2"C	3	100	12	8	EXISTING PANEL
п	9	12			-		*		-			12	10	п
SPACE	11				-			*	-				12	SPACE
SPACE	13				-	*			-				14	SPACE
SPACE	15				-		*		-				16	SPACE
SPARE	17		20	1	-			*	-	1	20		18	SPARE
SPARE	19		20	1	-	*			-	1	20		20	SPARE
LOADS	-	(KVA)				39	39	15				(KVA)	-	DESCRIPTIVE LOADS
CONNECTED LOAD	-	93				KVA	\/PH	ASE				0	-	LIGHTING
RESERVE	25	23										0	-	RECEPTACLES
TOTAL LOAD	-	116										45	-	COOLING
			ī									0		HEATING
TOTAL AMPS	-	279										48	-	OTHER

1) HIGHLEG ON PHASE-C. FIELD VERIFY EXISTING HIGHLEG ASSIGNED PHASE. 2) PROVIDE WITH 300AMP MAIN BREAKER.

EXTEND EXISTING 3Ø

GROUND

GROUND

BUELL

SCALE: N.T.S.

ELECTRICAL RISER DIAGRAM KEYED NOTES:

4)1-RUN 4#350KCMIL, 4"C.

 $\langle 1 \rangle$ 400AMPS, 240V, 3Ø, 4W, S/N, N3R, HEAVY DUTY FUSED DISCONNECT, FUSED@300AMPS.

(2) NEW ELECTRICAL SERVICE METER 120/208V, 3Ø, 4W. CONTRACTOR SHALL COORDINATE ALLOCATION OF METER, METER SOCKETS AND WIRING WITH POWER COMPANY.

NEW POWER CO. POWER POLE AND POLE MOUNTED XFMR ATNEW LOCATION. COORDINATE LOCATION WITH POWER CO.

 $\langle 5 \rangle$ 1#1/0G, 3/4"X10' COPPER CLAD RODS. PROVIDE GROUNDING AS PER **6** 1-RUN 4#350KCMIL, 1#3G, 4"C. NEW WEATHER HEAD n PANEL

CARNAHAN ELECTRICAL SCHEMATIC DIAGRAM

ELECTRICAL SCHEMATIC DIAGRAM

─ 2 RUNS OF 4#350KCMIL

- 4#350KCMIL

SCALE: N.T.S.

EXISTING

DIAGRAM KEYED NOTES:

 \langle **2** \rangle PROVIDE 1-2"C WITH PULLSTRING.

4 2-RUNS OF 4#350KCMIL, 4"C.

 $\langle 1 \rangle$ 600amps, 240v, 3ø, 4w, s/n, n3r, heavy duty fused disconnect, fused@600amps.

(5) 1#2/0G, 3/4"X10" COPPER CLAD RODS. PROVIDE GROUNDING AS PER

NEW POWER CO. POWER POLE AND POLE MOUNTED XFMR ATNEW LOCATION. COORDINATE LOCATION WITH POWER CO.

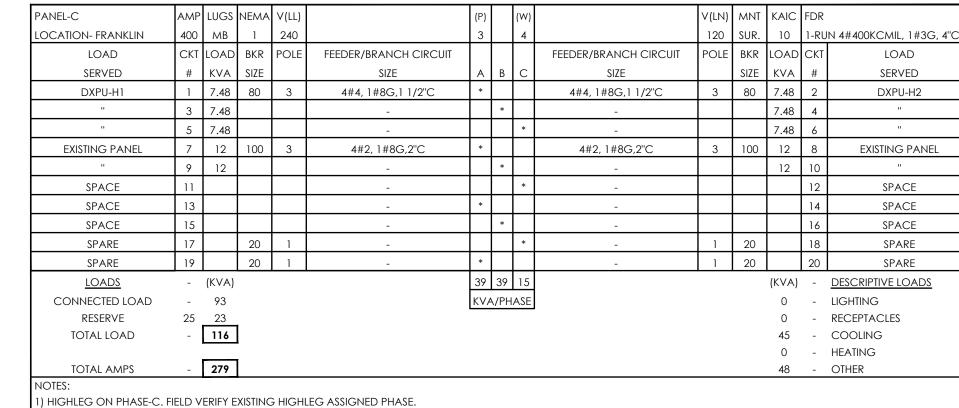
6 PROVIDE NEMA-3R ENCLOSURE FOR UTILITY POWER COMPANY CTS. COORDINATE WITH UTILITY POWER COMPANY FOR REQUIREMENTS PRIOR TO BID DATE.

ELECTRICAL RISER

EXISTING PANEL G

NEW WEATHER HEAD

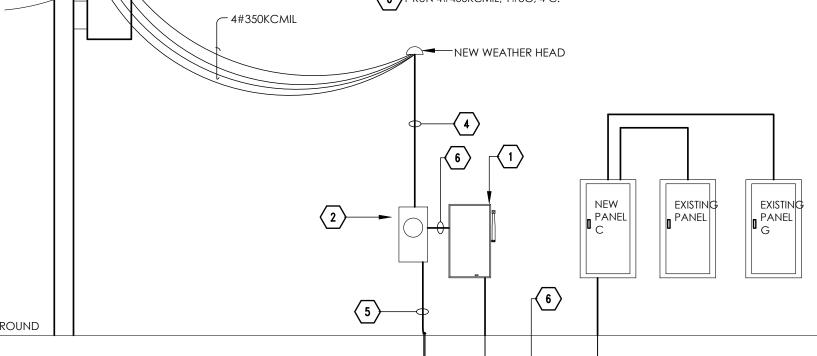
NEW PANEL



ELECTRICAL RISER DIAGRAM KEYED NOTES:

- 1400AMPS, 240V, 3Ø, 4W, S/N, N3R, HEAVY DUTY FUSED DISCONNECT, FUSED@300AMPS.
- 2 NEW ELECTRICAL SERVICE METER 120/208V, 3Ø, 4W. CONTRACTOR SHALL COORDINATE ALLOCATION OF METER, METER SOCKETS AND WIRING WITH POWER COMPANY.
- NEW POWER CO. POWER POLE AND POLE MOUNTED XFMR ATNEW LOCATION. COORDINATE LOCATION WITH POWER CO. **4**)1-RUN 4#400KCMIL, 4"C.
- 5)1#1/0G, 3/4"X10" COPPER CLAD RODS. PROVIDE GROUNDING AS PER NEC REQUIREMENTS.

6 1-RUN 4#400KCMIL, 1#3G, 4"C. NEW WEATHER HEAD



FRANKLING ELECTRICAL SCHEMATIC DIAGRAM

SCALE: N.T.S.

2) PROVIDE WITH 300AMP MAIN BREAKER.

EXTEND EXISTING 3Ø

anel-B	AMP	MGS	NEMA	M(LL)		(P)		(W)		V(LN)	MNT	KAIC	FDR	•
OCATION-	225	MLO	1	240		3		4		120	SUR.	10	1-RU	N 4#4/0, 1#4G, 2"C
LOAD	CKT	LOAD	BKR	POLE	FEEDER/BRANCH CIRCUIT				FEEDER/BRANCH CIRCUIT	POLE	BKR	LOAD	СКТ	LOAD
SERVED	#	KVA	SIZE		SIZE	Α	В	С	SIZE		SIZE	KVA	#	SERVED
DXPU-H1	1	13.28	125	3	4#1, 1#6G,2"C	*			-				2	SPACE
11	3	13.28			-		*		-				4	SPACE
11	5	13.28			-			*	-				6	SPACE
EXISTING PANEL	7	12	100	3	4#2, 1#8G,2"C	*			-				8	SPACE
11	9	12			-		*		-				10	SPACE
SPACE	11				-			*	-				12	SPACE
SPACE	13				-	*			-				14	SPACE
SPACE	15				-		*		-				16	SPACE
SPARE	17		20	1	-			*	-	1	20		18	SPARE
SPARE	19		20	1	-	*			-	1	20		20	SPARE
LOADS	-	(KVA)				25	25	13				(KVA)	-	DESCRIPTIVE LOAD
CONNECTED LOAD	-	64				KVA	\/PH	ASE				0	-	LIGHTING
RESERVE	25	16										0	-	RECEPTACLES
TOTAL LOAD	-	80										40	-	COOLING
			ī									0	-	HEATING
TOTAL AMPS OTES:	-	192										24	-	OTHER

PANEL-MDP	AMP	LUGS	NEMA	V(LL)		(P)		(W)		V(LN)	MNT	KAIC	FDR	
LOCATION-	600	MB	3R	240		3		4		120	SUR.	42	2-RL	N 4#350KCMIL, 1#1G, 4"C
LOAD	СКТ	LOAD	BKR	POLE	FEEDER/BRANCH CIRCUIT				FEEDER/BRANCH CIRCUIT	POLE	BKR	LOAD	СКТ	LOAD
SERVED	#	KVA	SIZE		SIZE	Α	В	С	SIZE		SIZE	KVA	#	SERVED
PANEL-B	1	25	225	3	4#350KCMIL, 1#3G,4"C	*			2-RUNS 4#350KCMIL, 1#1G,4"C	3	600	37.67	2	PANEL-BPNA
NEW	3	25			-		*		-			37.67	4	EXISTING
п	5	13			-			*	-			37.67	6	н
SPACE	7				-	*			-				8	SPACE
SPACE	9				-		*		-				10	SPACE
SPACE	11				-			*	-				12	SPACE
SPACE	13				-	*			-				14	SPACE
SPACE	15				-		*		-	3	30		16	SPD
SPARE	17		20	1	-			*	-				18	п
SPARE	19		20	1	-	*			-				20	п
LOADS	-	(KVA)	-			63	63	51				(KVA)	-	DESCRIPTIVE LOADS
CONNECTED LOAD	-	177				KVA	/PH	ASE				0	-	LIGHTING
RESERVE	25	44										0	-	RECEPTACLES
TOTAL LOAD	-	221	l									177	-	COOLING
			1									0	-	HEATING
TOTAL AMPS	-	532										0	-	OTHER

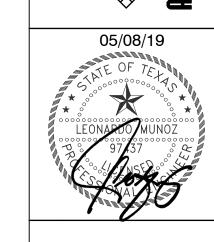
- B. NAME PLATES SHALL BE PROVIDED FOR ALL ELECTRICAL SWITCH GEAR, PANEL BOARDS,
- LIGHTING CONTACTORS, LIGHTING CONTROL PANELS, ETC.. BY ELECTRICAL CONTRACTOR. C. NEW ELECTRICAL METERING AND SERVICE EQUIPMENT SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE LOCAL POWER UTILITY CO. AND CITY REQUIREMENTS. VERIFY AND
- COORDINATE WITH POWER UTILITY CO. AND AHJ BEFORE BID AND INSTALLATION. D. COMPLY WITH NFPA 70E SAFETY REQUIREMENTS.
- E. PANELBOARDS WITH MORE THAN 42 CIRCUITS SHALL BE IN ONE CABINET ENCLOSURE,
- UNLESS OTHERWISE NOTED. F. PROVIDE 4"CONCRETE PAD FOR ALL DRY-TYPE TRANSFORMERS.
- G. ALL TWO SECTION PANELBOARDS SHALL BE FEED THRU LUGS.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY OF ELECTRICAL SERVICE TO THE NEW BUILDING WITHIN PROJECT SCHEDULE. COORDINATE ALL COST FOR LABOR AND MATERIALS WITH LOCAL ELECTRICAL UTILITY COMPANY PRIOR TO BID. ALL COST ASSOCIATED WITH THE DELIVERY OF ELECTRICAL SERVICE INCLUDING ALL MATERIALS SHALL
- BE INCLUDED IN BID. TRANSITION OF NEW ELECTRICAL SERVICE SHALL PROCEED IN WEEKENDS OR HOLIDAYS, INCLUDE ALL COST IN BID FOR OVERTIME FROM ELECTRIC UTILITY COMPANY. NO ADDITIONAL PAYMENT WILL BE MADE FOR SERVICE DELIVERY COSTS AFTER CONTRACT HAS BEEN AWARDED.
- I. ELECTRICAL SERVICE 480/277V 1000AMPS OR MORE SHALL INCLUDE GROUND FAULT PROTECTION.
- J. ELECTRICAL SERVICE 120V THRU 480V 1000AMPS OR MORE SHALL INCLUDE AN ARC REDUCTION MAINTENANCE SWITCH. COORDINATE EXACT LOCATION OF SUCH SWITCH.

240/120V, 3Ø, 4W I	ELECTRICAL LOAD ANALYSIS		
DESCRIPTION	TOTAL KVA		
A/C	45		
existing	48		
	total watts:	93	KVA
	TOTAL AMPS:	223.56	AMPS
	TOTAL AMPS+25%:	279.45	AMPS
	WIRE SIZE AMPS:	300	AMPS

OR BUELL				
240/120V, 3Ø, 4W E	ELECTRICAL LOAD ANALYSIS			
DESCRIPTION	TOTAL KVA			
A/C	40			
EXISTING	137			
	TOTAL WATTS:	177	KVA	
	TOTAL AMPS:	425.50	AMPS	
	TOTAL AMPS+25%:	531.86	AMPS	
	WIRE SIZE AMPS:	600	AMPS	

DATE:	NO.	NO. REVISIONS	DATE APPRO
DESIGNED:	\triangleleft	ADDENDUM #1	05-08-2019
DRAWN:			
CHECKED:			
SCALE:			



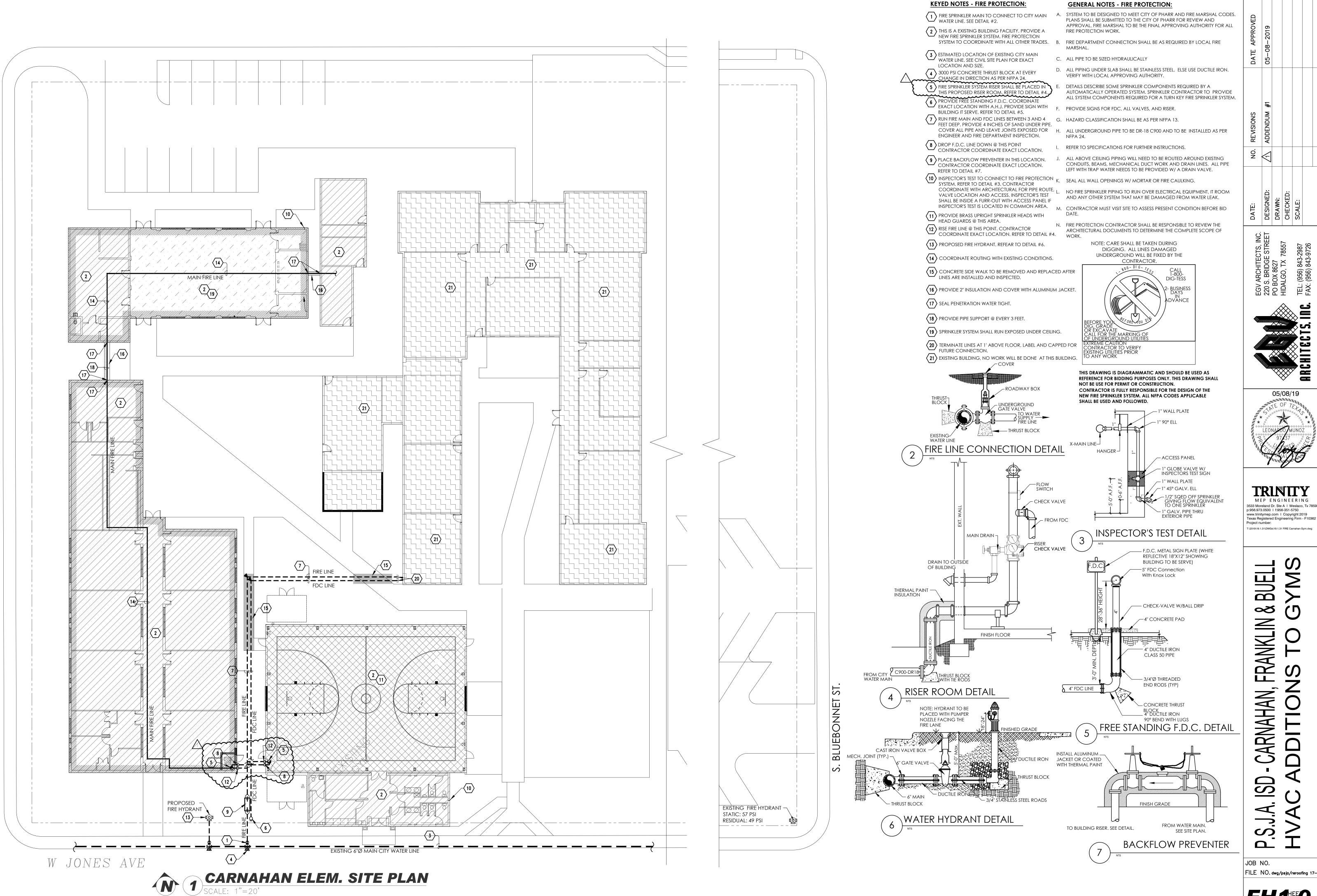


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BUELL **ං**ජ FRANKLIN ARNAHAN, \triangleleft S

JOB NO. FILE NO. dwg/psja/reroofing 17-18



FILE NO. dwg/psja/reroofing 17-18 FH1 FO