January 4, 2022

CAMERON COUNTY REGIONAL MOBILITY AUTHORITY CAMERON COUNTY BENAVIDES PARK PAVILION PROJECT # 2021-C2003421

GMS ARCHITECTS BROWNSVILLE, TEXAS 78526 (956) 546-0110

#### ADDENDUM NO. 1

#### A. PURPOSE AND INTENT

This addendum is issued for the purpose of modifying the plans and specifications for the Cameron County Benavides Park Pavilion.

This addendum shall become part of the contract and all CONTRACTORS shall be bound by its content. All aspects of the specifications and drawings not covered herein shall remain the same.

The General Conditions and the Special Conditions of the specifications shall govern all parts of the work and apply in full force to this addendum.

#### B. SCOPE

#### I. SPECIFICATIONS:

- Delete Bid form in construction documents and in lieu of use the attached Bid Form which includes Alternates.
- Add Section 01010 Summary of Work to the construction documents.
- Section 4200 CMU is not pre-colored. Color selected is Gray.
- Clarification: HDG Structure is not to be painted only CMU.

#### II. PLANS:

• Delete Sheet E1.01 and E1.02 from construction documents and in lieu of use the attached E1.01 and E1.02.

### **BASE BID CAMERON COUNTY PARKS BENAVIDES PARK PAVILION**

BID FORM	
(GENERAL C	ONTRACT)
Project:	CAMERON COUNTY BENAVIDES PARK PAVILION PROJECT # 2021-C2003421
Place:	Cameron County Regional Mobility Authority, 3461 Carmen Avenue, Rancho Viejo, Texas 78575
Date:	January 12, 2022
Time:	11:00 a.m.
Saenz, Inc. I conditions o the place wh to fully perfo	to and in compliance with the Invitation to Bid and the proposed Contract Documents, prepared by Gomez Mendez relating to the above referenced project, the undersigned, having become thoroughly familiar with the terms and of the proposed Contract Documents and with local conditions affecting the performance and costs of the work at nere the work is to be completed, and having fully inspected the site in all particulars, hereby proposes and agrees orm the work within the time stated and in strict accordance with the proposed Contract Documents, and addenda, luding furnishing of any and all labor and materials for all General Construction and Site Work, for the following ey:
A: BASE BID	):
specification  B. ALTERNA	aterials, services and equipment, necessary for completion of the work shown on the drawings and described in the as for the CAMERON COUNTY BENAVIDES PARK PAVILION:  DOLLARS (\$ )  ATES:  e Bleachers and Shade Structures at Pavilion.
	DOLLARS (\$
2. Provido	e Switchboard Repairs as noted on Sheets S2.1 and Sheet E1.01 DOLLARS (\$ )
C: UNIT PRI	CES: N/A
Material Pay within 10 da	ed this Contract the undersigned will execute a satisfactory Construction Contract, Performance Bond, Labor and yment Bond and proof of insurance coverage, with the Owner for the entire work as per the Contract Documents by after notice of award. It is agreed that this proposal is subjected to the Owner's acceptance for a period of Sixty ar days from the above date.
3. Substantia on a monthly	al Completion of Project will be within calendar days. Time extensions shall be submitted for review y basis.
	s a Certified Check or Bidders Bond in the amount of \$ in compliance with the specification s. (5% of the highest amount bid).
by the Owne	neck or Bidders Bond is to become the property of the Owner in the event the Construction Contract (when offered er) and the bonds and proof of insurance coverage are not executed within the time set forth above.
	rsigned agrees to the following:
	<ul> <li>To furnish all materials as shown and specified in the plans and specifications.</li> <li>To start work 5 days after notice of award of contract.</li> </ul>
	c. To work working days per week.

- 6. The full amount of all allowances as specified in the General Requirements, Division 1, of the specifications, in the Base Proposal price shown. By signing, bidder acknowledges that **ALL ALLOWANCES** have been included in the Base Bid.
- 7. Receipt is acknowledged of the following addenda's:

No.	Dated	No.	Dated
No.	Dated	No.	Dated
No.	Dated	No.	Dated

- 8. Bidder agrees that the Owner has the right to accept or reject any or all bids and to waive all informalities.
- 9. A list of Sub-Contractors and Material Suppliers which are proposed to be used on this project is included with this proposal in a separate envelope. Upon acceptance of proposal, substitution of Sub-Contractors or Suppliers listed may be made only with approval by the Owner.

Accompanying this Bid is a Bid Guaranty consisting of either a Bid Guaranty Check in the amount of at least five (5) percent of the Total Bid Amount or a Bid Bond (on the form provided) in the amount of at least five (5) percent of the Total Bid Amount. The bid Guarantee Check is a cashier's check, money order, or teller's check issued by a state or national bank, savings and loan association, or a state or federally chartered credit union and made payable to Cameron County Regional Mobility Authority. The Bid Guarantee Check is dated on or before the letting date and is less than 90 days old. It is hereby understood and agreed that said check or bond is to be forfeited as liquidated damages in the event that, on the basis of this Bid, Cameron County Regional Mobility Authority should award this Contract to me/us and that I/we should fail to execute and deliver said Contract and the prescribed Contract Bond, together with the required progress schedule, proof of proper insurance coverage and other necessary documents, all within the fifteen (15) calendar days after award of the contract; otherwise, said check or bond is to be returned to the undersigned.

	Business Name of Bidder			
	Type of Organization		Individual Partnership Corporation	
	Texas Corporation Regis	stration	No	
	Address of Bidder:			
	Signature of Owner,			
		Title: _		
		Date: _		
Witness or Atte	est			(Affix Corporate Seal Here)

ONLY A PREQUALIFIED BIDDER MAY USE THIS BIDDING FORM REFER TO INVITATION TO BID. BIDDING FORMS ARE NOT TRANSFERABLE.

REFER TO SPECIFICATIONS ITEM 2L: SECTION 2 "ELIGIBILTY OF BIDDERS" FOR DEFINITION OF PREQUALIFICATION.

NOTE:

NOTE:

#### **DIVISION 1 - GENERAL REQUIREMENTS**

#### SECTION 01010 - SUMMARY OF WORK:

- 1.1 Location: The project site for Cameron County Parks Benavides Park Pavilion is located at S. Browne Rd., Brownsville, TX.
- 1.2 Approval of Working Surfaces: Any contractor performing work over the work of other contractors shall notify the Architect of any unsatisfactory condition. Beginning of work by any contractor shall constitute the acceptance of the previous work.
- 1.3 Checking Dimensions at Site: Before ordering any materials or doing any work, verify all measurements of the building and be responsible for the correctness of them. No extras will be allowed for variations from drawings in existing conditions or for work performed under this contract. Any discrepancies found shall be submitted to the Architect for instruction before proceeding. The Section shall be enforced diligently.
- 1.4 Cutting & Patching: No excessive cutting will be permitted, nor shall any structural members be cut without the approval of the Architect. Each contractor shall leave all chases and openings straight, true and of the proper size in his work as may be necessary for the proper installation of his and/or other contractor's work. After such work has been installed, he shall carefully fit around, close up, repair, patch and point up same as directed, to the entire satisfaction of the Architect.
- 1.5 Cooperation: The General Contractor, all other contractors and all subcontractors shall coordinate their work with all adjacent work and shall cooperate with all other trades as to facilitate the general progress of the work. Each trade shall afford all other trades every reasonable opportunity for installation of their work and storage of their materials.
- 1.6 Project Logbook: The project superintendent shall maintain a daily project logbook, indicating which sub-contractors were on the job, time of arrival, and the number of workers. Statements as to the daily progress shall be logged. This log book shall be made available to the Architect and shall be kept at the job site office.
- 1.7 Inspection and Tests: Architect and his representative shall at all times have access to the work whether it is in preparation or progress. Provide proper and safe facilities for such access and inspection. Make all inspections and test in connection with this entire contract as required by the Architect. All material testing shall be paid for by the Testing Allowance and be done by an independent testing laboratory meeting the approval of the architect.
- 1.8 Security: Provide security fencing in all work areas. See Temporary Facilities.
- 1.9 Mock up Panel: Provide a mock-up for evaluation of product and application workmanship.
  - 1. Install in area and of size designated by Architect.
    - a. Construct mockup to illustrate backup wall, exterior sheathing, air barrier, cavity wall, connectors, weep holes, cavity vents, and through wall flashing.
    - b. Construct mockup panel 72 inches by 72 inches to illustrate coursing, anchorage, mortar joints and color, window opening and flashing system.

- 2. Do not proceed with work until finish color, texture, pattern, joint sizes, and installation workmanship are approved by Architect.
- 3. Correct mock-up area as required to produce acceptable work.

#### 2. ALLOWANCES:

See Paragraph 4.8 of the General Conditions.

- 2.1 Testing Allowance: A recognized, independent material testing laboratory will be selected and paid directly by the Owner.
- 2.2 Betterment Allowance: Include the sum set forth below as a Betterment Allowance which will, if needed, be expended on Betterment to the Project, as directed in writing by approved change orders.

#### **Betterment Allowance: \$10,000.00**

2.3 Structural Allowance: Include the sum set forth below as a Betterment Allowance which will, if needed, be expended on Betterment to the Project, as directed in writing by approved change orders.

Reinforcing Steel Allowance: \$ 4,000.00

Fabricated Steel Allowance: \$ 6,000.00

#### SECTION 0110 - BID SCHEDULE

- 1. BID SCHEDULE: All proposals and alternate bid items shall be subject to the General and Special Conditions and all other related sections of the specifications and requirements of the drawings. The Owner shall have the right to accept or reject any or all alternates.
  - 1.1 BASE BID: The Contractor shall state on the General Contract Bid Proposal under the Base Bid, the amount for all work, complete in all respects in accordance with plans and specifications, to construct Idea Camp Rio Cabin Rehab. The scope of work is defined in the plans and specifications.
  - 1.2 ALTERNATES: The Contractor shall state on this Bid Form, under each Alternate the amount to add to this bid to perform all work, complete in all respects, in accordance with the plans and specifications to construct work required by the Alternates.
    - 1) Provide Bleachers and Shade Structures at Pavilion
    - 2) Provide Switchboard Repairs as noted on Sheets S2.1 and Sheet E1.01.

#### SECTION 0120 - AS BUILT DRAWINGS:

As the work proceeds, keep careful records of piping, electrical circuits, duct work and other concealed work whose installed location varies from that shown on plans. Refer to Section 01705 Project Closeout for additional requirements.

#### SECTION 0130 - REPORTS:

The Contractor will provide a written report to the Architect after each inspection conducted by the City Inspectors concerning their findings.

#### SECTION 0140 - QUANTITIES & WARRANTIES:

All guarantees and warranties expressed or implied shall be provided to the Architect in written form prior to final payment.

#### SECTION 0150 - PICTURES:

In addition to the required monthly progress photos, the Contractor will provide the following:

- 1. Aerial job photos.
- 2. Sequence photographs showing the flashing in place prior to application of roof. This is MANDATORY. Close-ups of all flashing are required.

The Contractor is required to submit progress photos with each month's application for payment.

#### SECTION 0160 - CERTIFICATION OF CONSTRUCTION:

The building contractor or construction manager shall certify in writing that the facility has been constructed in accordance to the construction documents and its specifications.

#### SECTION 0170 - CERTIFICATION OF NON-USE OF ASBESTOS PRODUCTS

The General Contractor shall provide the Architect with written certification letters from all sub-contractors and suppliers that no asbestos products shall be use on this project.

#### SECTION 0180 - SCOPE AND SEQUENCE OF CONSTRUCTION

1.1 General:

No time extensions shall be considered.

The successful bidder shall under no circumstances leave this project unsecured or unprotected at any time during construction. The General Contractor is to refer to Section 01505 Temporary Facilities for all requirements required by this project.

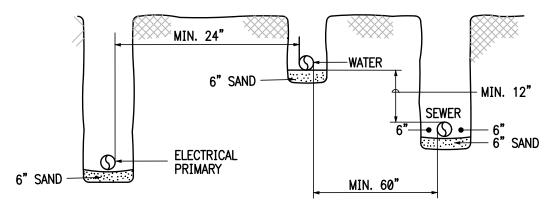
The General Contractor to provide all necessary precautions and safeguards during construction for protection of personnel utilizing the site and any visitor who might visit the project site. The General Contractor shall provide in a neat format project monthly reports with photos showing progress of construction for their review.

CLEAR TRENCH OF ALL ROCKS AND DEBRIS BEFORE ADDING SAND CUSHION.

COMPACT TRENCH FILL TO 95% PROCTOR DENSITY.

MAINTAIN A MINIMUM OF 60 INCHES UNDISTURBED EARTH BETWEEN PARALLEL WATER AND SEWER LINES OR SUPPORT WATER LINE ON SEPARATE SHELF A MINIMUM OF 12" ABOVE

MAINTAIN A MINIMUM OF 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND SEWER. MAINTAIN A MINIMUM OF 12" VERTICALLY OR 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND WATER LINES, GAS LINES, TELEPHONE RACEWAYS AND CABLE RACEWAYS.



TRENCHING DETAIL

BID SCOPE OF WORK:

ALTERNATE BASE

ELECTRICAL: PROVIDE ALL MATERIALS AND LABOR ASSOCIATED WITH COMPLETE OPERATIONAL ELECTRICAL SYSTEM FOR THE "PETE BENAVIDES PARK BASKETBALL COURT/PAVILION ADDITION".

MAJOR ITEMS OF WORK INCLUDE, BUT ARE NOT LIMITED TO:

FIELD VERIFY EXISTING SWITCHBOARD CONDITIONS, INCLUDING WIRE SIZES. DISCONNECT EXISTING LINE AND LOAD SIDE WIRING FOR SWITCHBOARD TEMPORARY REMOVAL.

3. DEMOLISH EXISTING SWITCHBOARD CONCRETE SLAB.

4. PROVIDE NEW CONCRETE SLAB/FOOTING. SEE STRUCTURAL DRAWINGS.

5. EXISTING CONDUITS TO COME UP UNDER NEW SLAB/FOOTING.

6. REPLACE EXISTING SWITCHBOARD FRONT DOOR AND EXTERIOR PANELS. INTERIOR TO BE RETAINED AND REUSED.

REINSTALL AND RECONNECT EXISTING SWITCHBOARD.

IF NECESSARY EXTEND LINE AND LOAD SIDE WIRING TO NEW CIRCUIT BREAKERS ADJUSTED HEIGHTS (AFTER NEW SLAB). PROVIDE PROPER ELECTRICAL FITTING (3M) TO SPLICE WIRING.

COORDINATE MSB DISCONNECT AND RECONNECT WITH LOCAL UTILITY COMPANY

# **GENERAL NOTES:**

- COORDINATE WORK AMONG ALL DISCIPLINES. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE (PRIME) CONTRACTOR.
- FIELD VERIFY PROJECT SITE EXISTING CONDITIONS AND ELEVATIONS
- COORDINATE ELECTRICAL AND HVAC WITH GENERAL CONSTRUCTION.
- 4. PHASING AND SEQUENCE OF CONSTRUCTION SHALL BE PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

PRIOR TO BEGINNING ANY WORK.

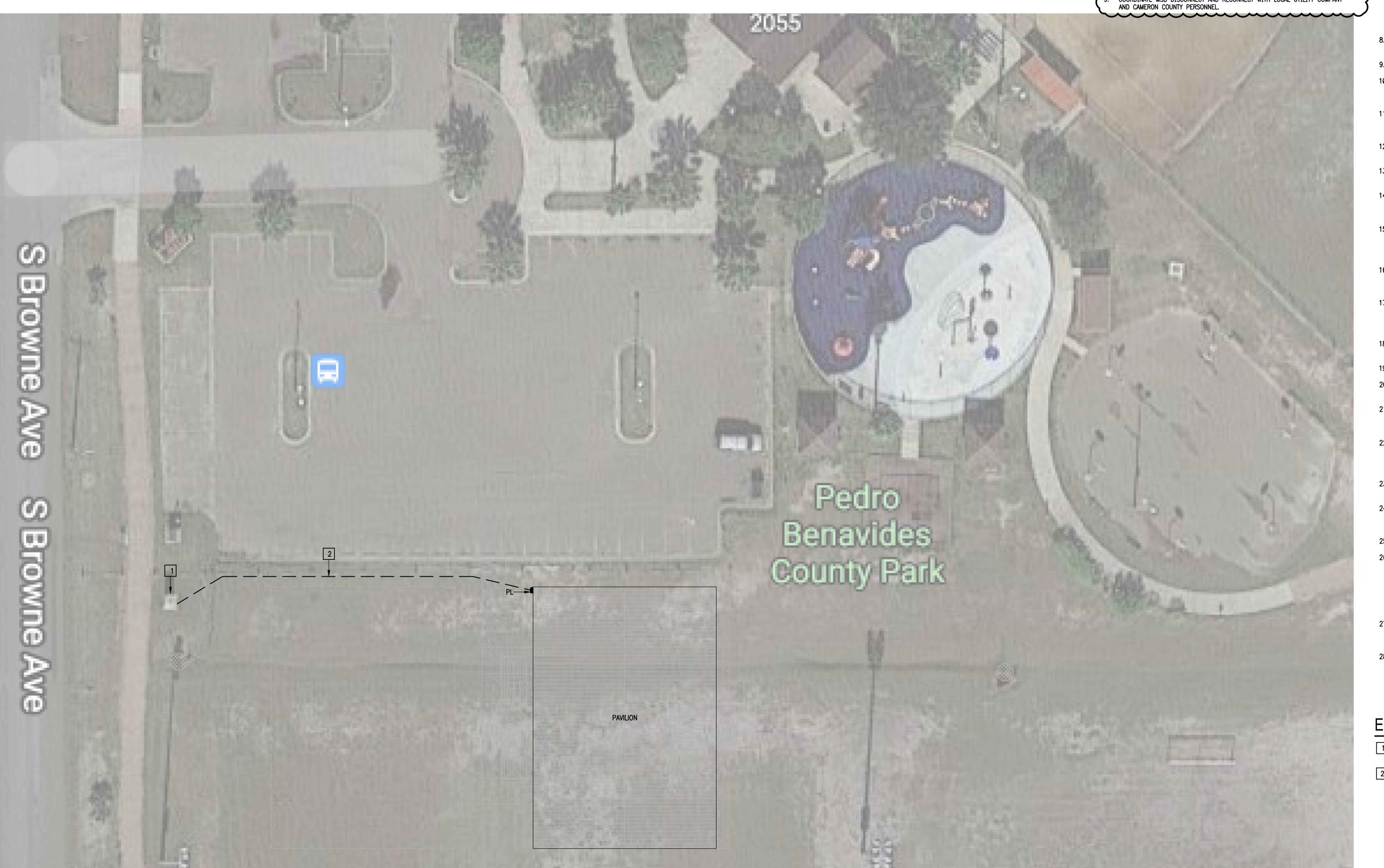
- FIELD VERIFY/SPOT EXACT LOCATIONS AND EXISTING CONDITIONS OF EXISTING PLUMBING, AND ELECTRICAL. IT IS THE INTENT OF THESE PLANS TO PROVIDE A COMPLETE AND WORKABLE SYSTEMS. SHOULD BIDDER FIND OMISSIONS OR DISCREPANCIES IN THE PLANS, BIDDER SHALL NOTIFY THE ENGINEER PRIOR TO THE BID DATE AND A WRITTEN CLARIFICATION WILL BE ISSUED.
- DAMAGED ITEMS SHALL BE REPAIRED AT NO ADDITIONAL COST TO OWNER. CONTRACTORS ARE REQUIRED TO SEARCH AND INVESTIGATE FOR EXISTING UTILITIES BEFORE EXCAVATING.
- ALL MATERIALS AND LABOR, WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT. WHICH ARE NECESSARY FOR THE PROPER INSTALLATION AND FUNCTION OF THE SYSTEM SHALL BE FURNISHED BY THIS CONTRACTOR. INCLUDE ALL COSTS OF CHANGES, IF/AS REQUIRED IN BID PROPOSAL.
- PROVIDE J-BOXES (POLYMER CONCRETE) AS REQUIRED FOR PULL
- 9. ELECTRICAL WIRING SHALL NOT BE SPLICED BELOW GRADE.
- 10. PERFORM ALL WORK PER LATEST VERSION OF NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES AND ORDINANCES, UNLESS DRAWINGS OR SPECIFICATIONS HAVE MORE STRINGENT REQUIREMENTS.
- 11. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH PROJECT, INCLUDING FEES FOR INSPECTIONS, APPLICATIONS, AND PROVISION OF NEW SERVICES.
- 12. CONTRACTOR WHO WILL ACTUALLY PERFORM WORK MUST APPLY FOR ALL REQUIRED PERMITS.
- 13. NOTIFY ENGINEER OF ANY ASPECTS OF DESIGN WHICH ARE THOUGHT TO BE IN NONCOMPLIANCE WITH APPLICABLE CODES.
- 14. COORDINATE ALL WORK WITH OTHER TRADES; COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.
- 15. SEAL AROUND ELECTRICAL RACEWAYS AT ALL WALLS, A/C ROOMS AND WALL LOUVER PENETRATIONS WITH FIREPROOF CAULKING. RE: SPECS. PROVIDE FLASHING AROUND PENETRATION, BOTH INSIDE AND OUTSIDE, TO PROVIDE FINISHED LOOK.
- 16. TIME OR MONEY ALLOWANCES WILL NOT BE MADE TO ACCOMMODATE UTILITY CONFLICTS THAT CAN BE REASONABLY RESOLVED BY COORDINATION DURING SHOP DRAWING PHASE.
- 17. CONTRACTOR SHALL REVIEW COMPLETE DOCUMENTS PRIOR TO SUBMITTAL OF PROPOSAL TO GAIN COMPLETE UNDERSTANDING OF PROJECT SCOPE, WORK BY OTHERS, AND ELECTRICAL WORK ASSOCIATED WITH OTHER DISCIPLINES.
- 18. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCE AROUND ALL EQUIPMENT.
- 19. AFFIX ID TAGS TO ALL DIVISION 26 EQUIPMENT.
- 20. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH MECHANICAL AND PLUMBING CONTRACTOR REGARDING EQUIPMENT SIZES AND
- TYPES OF ELECTRICAL INTERFACE EQUIPMENT REQUIRED. 21. FIELD VERIFY ALL CONDITIONS AND MEASURE DIMENSIONS WITHIN THE BUILDING PRIOR TO ORDERING EQUIPMENT AND/OR PROCEEDING WITH INSTALLATION.
- 22. ALL EQUIPMENT SHALL BE FACTORY TESTED, AND CONTRACTOR SHALL VERIFY THEIR CONDITION PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT DAMAGED DURING MOVING AND INSTALLATION.
- 23. EQUIPMENT FOUND DEFECTIVE PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED AT NO COST TO OWNER.
- 24. WORK TO BE DONE UNDER ALLOWANCES BECOMES AN INTEGRAL PART OF THE PROJECT AND RESPONSIBILITY OF CONTRACTOR ONCE ALLOWANCE IS APPROVED.
- 25. SLEEVE ALL EXTERIOR WALL PENETRATIONS.
- 26. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S APPROVAL IN WRITING. UNLESS ENGINEER HAS AGREED TO SUCH CHANGE PRIOR TO IT BEING DONE, AND HAS AGREED THAT AN INCREASE IN COST ASSOCIATED WITH SUCH CHANGE IS WARRANTED; CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH
- 27. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY EXCAVATION, TRENCHING, COMPACTION AND BACKFILLING REQUIRED TO INSTALL ALL UNDERGROUND UTILITIES.
- 28. AFTER COMPLETION OF UNDERGROUND WORK, CONTRACTOR SHALL RETURN SITE TO ITS ORIGINAL CONDITIONS INCLUDING BUT NOT LIMITED TO GRASS, ASPHALT, CONCRETE, SIDEWALKS CALICHE, ETC.

# **ELECTRICAL KEYED NOTES:**

EXISTING CUTLER-HAMMER POW-R-LINE C SWITCHBOARD 1200A 277/480, 3ø, 4W. G.O. No. SCP30948. 2 PROVIDE NEW FEEDER.



TEXAS REGISTERED ENGINEERING FIRM







**GMS** ARCHITECT

1150 Paredes Line Rd. Texas 78526 (956) 546-0110 Fax (956) 546-0196

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CESAR A. GONZALEZ

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# LIGHTING SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
0	SURFACE/WRAPAROUND LIGHT FIXTURE	
Q	WALL MOUNT LIGHT FIXTURE — TYPE AS NOTED	

1.) REFERENCE LIGHT FIXTURE SCHEDULE FOR ALL MOUNTING HEIGHTS.

# LIGHTING DEVICES SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
S <sub>K</sub>	KEYED TOGGLE SWITCH CORBIN TYPE - HUBBELL MODEL #HBL1221RKLX	48"AFF
PC	DIGITAL OUTDOOR PHOTO CELL WALL MOUNTED	

1.) 48" AFF INDICATES TO TOP OF DEVICE;

ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

# WIRING DEVICES SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
⊖ GFCI WICP	DUPLEX RECEPTACLE TAMPER RESISTANT W/ GRND. FAULT INTERRUPTING TYPE — HUBBELL MODEL #GFTWRST20X & WHILE IN USE WEATHERPROOF COVER — HUBBELL MODEL #WP26EH	18"AFF

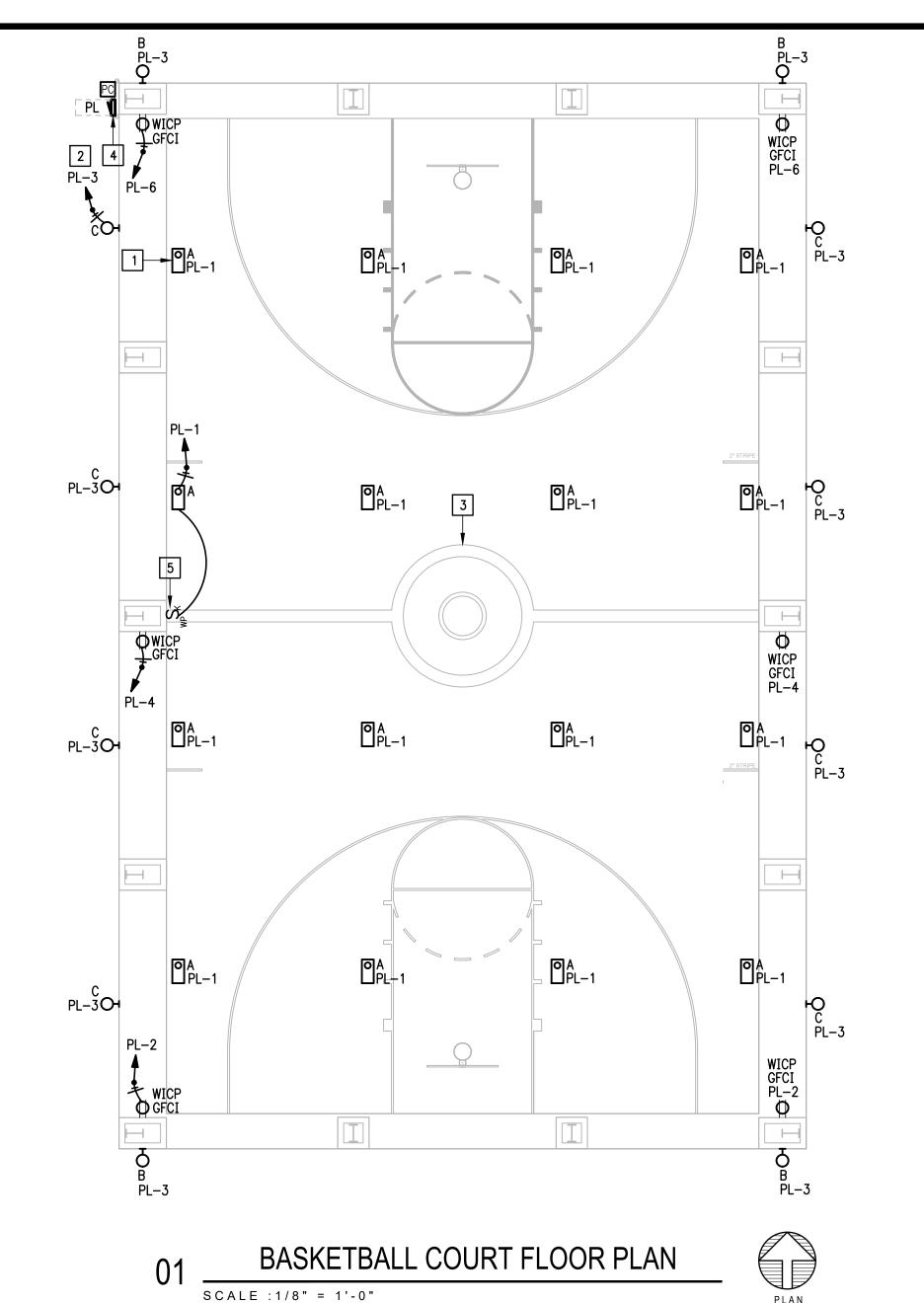
1.) U.N.O. INDICATES UNLESS NOTED OTHERWISE. 18" AFF INDICATES TO TOP OF DEVICE;

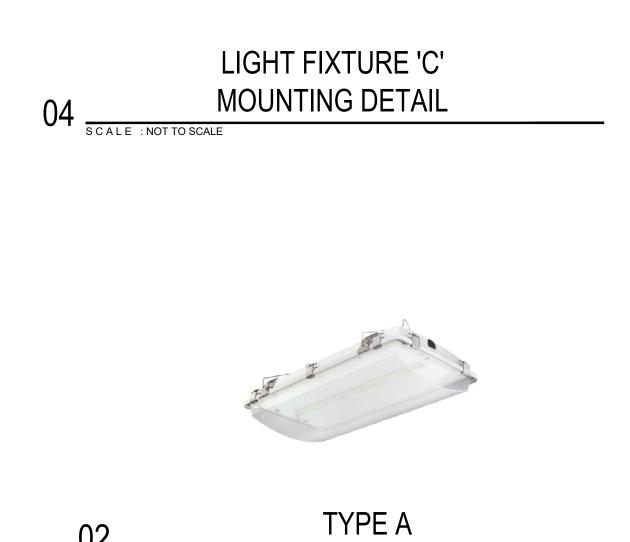
# GENERAL SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO
	ELECTRICAL PANELBOARD — SURFACE MOUNTED	AS REQUIRED
	UNDERGROUND RACEWAY	AS REQUIRED
	CONCEALED RACEWAY	AS REQUIRED
Here	CONDUIT OR EMT HOMERUN TO PANELBOARD CONCEALED IN WALLS OR ABOVE CEILING. LONG CROSSMARKS DENOTE NUMBER OF "HOT" CONDUCTORS SHORT CROSSMARKS INDICATE NEUTRALS AND DOTS INDICATE NUMBER OF GROUND CONDUCTORS. ARROW INDICATES HOME RUN TO ELECTRICAL PANEL.	AS REQUIRED

### **ABBREVIATIONS:**

Α	AMPS	DISC.	DISCONNECT	PH	PHASE
ABC	ABOVE CEILING LINE	EX	EXISTING	RM.	ROOM
AFF	ABOVE FINISHED FLOOR	EXT.	EXTERNAL OR EXTERIOR	SPD	SURGE PROTECTION DEVICE
B.	воттом	G.	GROUND	SS	STAINLESS STEEL
BLC.	BELOW CEILING LINE	GA.	GAGE	UG	UNDERGROUND
C.	CONDUIT OR COMMON	GALV.	GALVANIZED	UNO	UNLESS OTHERWISE NOTED
CLG.	CEILING	GRND.	GROUND	٧	VOLTS
COMB.	COMBINATION	HP	HORSEPOWER	W	WIRE
COND.	CONDUIT	IG	ISOLATED GROUND		
CU.	COPPER	NTS	NOT TO SCALE		





PROVIDE UNISTRUT BOLTED TO STRUCTURE STEEL AND J-BOX SECURED TO UNSTRUT

PROVIDE UNISTRUT BOLTED

TO STRUCTURE STEEL

PROVIDE UNISTRUT

LIGHT FIXTURE 'C' —

# RACEWAYS EMBEDDED IN FOUNDATION GENERAL NOTES:

1. RACEWAYS EMBEDED WITHIN THE SLAB SHALL COMPLY WITH THE FOLLOWING:

SHALL HAVE A MINIMUM SPACING OF 2".

SHALL NOT BE LARGER THAN 1". 3. SHALL NOT BE RUN THROUGH THE SURFACE AREA OF THE FOOTING. . SHALL NOT BE CROSSED OVER/UNDER EACH OTHER WITH THE SLAB.

. SHALL NOT BE TIED TO THE REBAR. 6. SHALL BE A MINIMUM OF 1.5" AWAY FROM SLAB REBAR. IF SPACING CANNOT BE ACCOMPLISHED IT SHALL BE PROVIDED BELOW GRADE.

# **GENERAL NOTES:**

- 1. PROVIDE BRANCH CIRCUITS 3/4" 2#12 & #12G (U.N.O.).
- 2. ELECTRICAL BRANCH CIRCUIT HOMERUNS SHALL BE 3/4" -2#12 & #12G. 20A/120V HOMERUNS EXCEEDING 100FT, THE WIRE SIZE SHALL BE #10 & #8 FOR 175'. 20A/277V HOMERUNS EXCEEDING 200FT SHALL BE #10 & #8 FOR 275'.
- 3. HOMERUNS INSTALL NO MORE THAN THREE PER RACEWAY(INCLUDING LIGHTING BRANCH CIRCUITS).
- 4. PROVIDE ALL ELECTRICAL RECEPTACLES INSTALLED WITH
- 5. ALL RACEWAYS, BOXES & SUPPORTS WITHIN THE PAVILLION SHALL BE RIGID METALLIC GALVANIZED STEEL (RMC).

THE GROUND OPENING IN THE "UP" POSITING.

# **KEYED NOTES:**

- MOUNT FIXTURE TYPE "A" TO BOTTOM OF STRUCTURE STEEL WITH UNISTRUT TYPICAL.
- 2 SWITCH VIA PHOTOCELL.
- 3 ALL RACEWAYS, BOXES & SUPPORTS WITHIN THE PAVILLION SHALL BE RIGID METALLIC GALVANIZED STEEL (RMC).
- 4 PROVIDE UNISTRUT SUPPORT.
- 5 PROVIDE WEATHER PROOF STEEL LOCKING COVER FOR SWITCH.

# ELECTRICAL RISER **DIAGRAM KEYED NOTES:**

- 1 EXISTING CUTLER HAMMER SWITCHBOARD 1200A, 277/480V, 3ø,4W.
- 2 CONNECT ELECTRICAL PACKAGE POWER SUPPLY "PL" TO EXISTING SWITCHBOARD. PROVIDE NEW 30A/2P CIRCUIT BREAKER IN AVAILABLE
- 3 PROVIDE CONTINUOUS DETECTABLE UNDERGROUND WARNING TAPE.
- 4 PROVIDE 3-1/4" X 1 5/8", 12 GAUGE UNISTRUT, HOT DIP GALVD. AFTER
- 5 PROVIDE 4" DIA. X 6' (ABOVE GROUND) HOT DIP GALVD. STEEL PIPE
- 6 PROVIDE 3/4"X 10' COPPER CLAD GROUND ROD AND 3/4" #8 BARE COPPER GROUND ELECTRODE CONDUCTOR. PROVIDE CADWELD CONNECTION TO FOUNDATION REBAR AND STRUCTURAL STEEL.
- 7 24" WIDE X 24" LONG X 24" DEEP (4" ABOVE GRADE) CONCRETE FOOTING WITH #4 REBAR WELDED ON TO 4" DIA. STEEL PIPE.

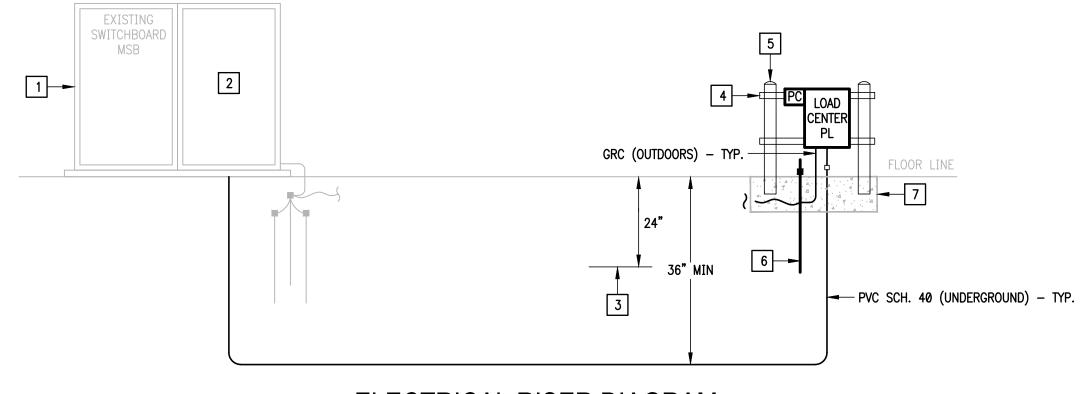
### **FEEDER SCHEDULE:**

SIZING METHOD: COPPER 75°C

	IN CONEDULE.	
FEEDER AMPS	CONDUIT AND FEEDER	FEEDING THESE DEVICES
30	1" - 2#10 & #10G	PL

PL											
MOUN FED	ROOM PAVILION MOUNTING SURFACE FED FROM EXISTING SWITCHBOARD NOTE PROVIDE A TYPE WRITTEN AS BUIL			BUS NEU	VOLTS 240/120V 2P 3W BUS AMPS 100 NEUTRAL 100% JILT DIRECTORY THAT INCLUDES RO				AIC 18,000 MAIN BKR 40 LUGS STANDARD BERS.		
CKT #	CKT BKR	CIRCUIT	DESCRIPTION	I		AD KVA	CKT #	CKT BKR	CIRCUIT DESCRIPTION		KVA
π				`	A A	B	<del>  "</del>			A	В
3	20/1 20/1	LIGHTING LIGHTING			1.5	0.448	2 4	20/1 20/1	RECEPT.	0.36	0.36
5	20/1	SPACE			0	0.770	6	20/1	RECEPT.	0.36	0.50
7	20/1	SPACE			İ	0	8	20/1	SPACE	<u> </u>	0
'		1							TOTAL CONNECTED KVA BY PHASE	2.29	0.808
			CONN KVA	CALC KVA	•		•		CALC KVA	•	
LIGH			2.02	2.52	(125%)			LOAD	3.6		
RECE	PTACLES		1.08	1.08	(50%>10)		BALAN	ICED LOAD	15 A		

- 1. PROVIDE NEMA 4XSS ENCLOSURE.
- PROVIDE PACKAGED POWER SUPPLY WITH INTEGRAL 7.5KVA TRANSFORMER, 30A/2P 480V PRIMARY MCB AND 40A/2P 240V SECONDARY MCB.



PLAN

### LLIMINIVIDE CCHEDITIE

LUMINA	LUMINAIRE SCHEDULE												
CALLOUT	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTE 1	NOTE 2	NOTE 3			
A	LED	REINFORCED FIBERGLASS WRAPAROUND	0-10V	1	LITHONIA: FHE L24 15L FST MD 120 GZ10 40K 80CRI LSI: EGW 2 LED 14L DA S UNV DIM 40 80	98	120V 1P 2W		L80	72,000			
В	LED	WALLPACK	0-10V	SURFACE	DURAGUARD: LV1AHQ F 37 U 4K L C	37	120V 1P 2W	PROVIDE UL LISTED FOR WET LOCATIONS	L70	187,000			
С	LED	WALLPACK	0-10V	SURFACE	LITHONIA: WDGE2 LED P4 40K 80CRI VF MVOLT DDBXD	50	120V 1P 2W	PROVIDE UL LISTED FOR WET LOCATIONS AND WITH A DARK BRONZE FINISH.	L80	50,000			

- 1. LIGHT FIXTURE EQUALS MANUFACTURED BY COLUMBIA AND METALUX ARE ACCEPTABLE, PROVIDED THEY MEET OR EXCEED SPECIFICATIONS (AESTHETICS, CONSTRUCTION, PHOTOMETRICS). 2. EXTRA MATERIALS: SEE SPECIFICATIONS.
- 3. INCLUDE VERIFICATION OF LIGHT FIXTURE EFFECIANCY IN LIGHT FIXTURE SUBMITTALS BY ATTACHING ONE OF THE FOLLOWING:
- \* SCREENSHOT OF DLC WEBSITE LISTING FOR SPECIFIC LIGHT FIXTURE. CAN BE FOUND AT HTTPS://WWW.DESIGNLIGHTS.ORG \* SCREENSHOT OF ENERGY STAR WEBSITE LISTING FOR SPECIFIC LIGHT FIXTURE. CAN BE FOUND AT HTTPS://WWW.ENERGYSTAR.GOV
- \* PART EFFICIENCY DOCUMENTATION IN THE FORM OF LM-79 OR LM-80 DOCUMENTS WITH ADDITIONAL DOCUMENTATION DISPLAYING THE LINK BETWEEN THE PART AND THE LIGHT FIXTURE.



SCALE : NONE

119 W. VAN BUREN AVE. STE.101 HARLINGEN, TX PHONE: 956-230-3435 TEXAS REGISTERED ENGINEERING FIRM

12/09/21

No. REVISIONS BY

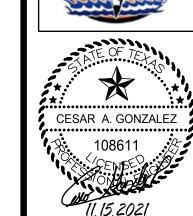
**GMS** ARCHITECT

1150 Paredes Line Rd. Brownsville, Texas 78526 (956) 546-0110 Fax (956) 546-0196

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