ADDENDUM NO. 1: TREASURE HILLS ELEMENTARY SCHOOL - 2018-2019 ADDITIONS AND RENOVATIONS for HARLINGEN CONSOLIDATED INDEPENDENT SCHOOL DISTRICT, Harlingen, TX 78550

ISSUED: June 4, 2016

PROPOSAL DUE DATE: June 19, 2018 @ 2:00 p.m.





6/4/2018

Total Pages Including Cover – (36) 8 ½" X 11" sheets (32) 24" X 26" sheets

NOTICE:

- A. The following changes, omissions or alterations to the specifications and drawings shall be made and insofar as specifications and drawings are inconsistent with the following, this addendum shall govern.
- B. Acknowledge receipt of this addendum by inserting its number and date of issue in the place provided for same in the proposal. This addendum forms a part of the Contract Documents.
- C. It's imperative that this addendum be inserted INTO set of specifications.

ITEM NO. 1: DELETE SPECIFICATION SECTION 00020 - REQUEST FOR COMPETITIVE SEALED PROPOSALS

DELETE Specification Section 00020, in it's entirely.

ITEM NO. 2: PROPOSAL DUE DATE CHANGE – REVISION TO SPECIFICATION SECTION 00030 - INVITATION FOR COMPETITIVE SEALED BIDS

REVISE Specification Section 00030, 1.04 as follows:

1.04 OPENING OF BIDS:

A. Place:

1. Competitive sealed Bids will be received at the PURCHASING office of: Owner: HARLINGEN CONSOLIDATED INDEPENDENT SCHOOL DISTRICT

Address: 407 N 77 SUNSHINE STRIP HARLINGEN, TX 78550 ATTENTION: MR. TONY GRACIA – DIRECTOR OF PURCHASING Date: TUESDAY, JUNE 19, 2018

C. Hour: 2:00 P.M.

Β.

ITEM NO. 3: ESTIMATED BUDGET CHANGE – REVISION TO SPECIFICATION SECTION 00030 - INVITATION FOR COMPETITIVE SEALED BIDS

REVISE Specification Section 00030, 1.11, G, as follows:

1.11 CONSIDERATION OF PROPOSAL: G. <u>The estimated budget is as follows: \$11,000,000</u>

ITEM NO. 4: PROPOSAL DUE DATE CHANGE – REVISION TO SPECIFICATION SECTION 00101 - HARLINGEN CISD INSTRUCTIONS TO PROPOSERS

REVISE Specification Section 00101, as follows:

- Revise cover page to show new Proposal Due Date of JUNE 19, 2018
- Revise Second page to show new Due Date, Time and Place to JUNE 19, 2018

ITEM NO. 5: REVISION TO SPECIFICATION SECTION – 01020 ALLOWANCES

REVISE Specification Section 01020 to add the following:

1.04 STEEL ALLOWANCE:

1. Include in the Contract Sum a lump sum Rebar Allowance: 5.0 tons @ \$2,000 per ton = \$10,000

2. Include in the Contract Sum a Structural Steel Allowance: 5.0 tons @ \$4,000 per ton = \$20,000

B. At the closeout of Contract, balance of monies remaining in the STEEL ALLOWANCE and applicable contractor's cost of 6% of the Contingency Allowance balance will be credited to the Owner by Change Order.

ITEM NO. 6: SPECIFICATION SECTION – 08710 FINISH HARDWARE

Per the attached, please add Specification Section 08710

ITEM NO. 7: SPECIFICATION SECTION – 07951 CAULKING

Per the attached, please add Specification Section 07951.

ITEM NO. 8: CONSTRUCTION DRAWING CHANGES

Per the attached drawing, please note the following changes:

- CS1.1 add sheet no. A10.3, A1.13, A1.14 to SHEET INDEX ARCHITECTURAL.
- ASD1.1 added additional demolition items.
- AS1.1 revisions to extruded aluminum canopy.
- AS1.2 replace sheet
- AS1.3 change mechanical yard steel gates to chain link gates, refer details 1, 2/AS1.5.
- ASI1.4 change mechanical yard steel gates to chain link gates, refer details 1, 2/AS1.5.
- A1.6 replace sheet
- A1.7 replace sheet
- A1.8 replace sheet
- A1.9 replace sheet
- A1.10 replace sheet
- A1.12 replace sheet
- A1.13 add sheet roof details
- A1.14 add sheet roof details
- A3.1 replace sheet
- A4.1 replace sheet
- A5.1, A5.2, A5.5, A6.1, 6.2 and 6.3

change ROOF notes from EPDM ROOFING AS SPECIFIED ON COVER BOARD OVER RIGID INSULATION AS SPECIFIED ON GALV. METAL DECK to FULLY ADHERED MULTI-PLY ROOFING AS SPECIFIED ON COVER BOARD OVER RIGID INSULATION AS SPECIFIED ON GALV. METAL DECK

A5.3 replace sheet

- A5.4 replace sheet
- A5.5 add detail 5
- A6.1 revised details 3, 10, 11
- A10.1 replace sheet
- A10.2 replace sheet
- A10.3 add sheet door frame and window types

ITEM NO. 9: CIVIL ENGINEERING DRAWING CHANGES

Please refer to the attached civil drawings.

ITEM NO. 10: STRUCTURAL ENGINEERING DRAWING CHANGES

Please refer to the attached structural drawings.

ITEM NO. 11: MEP ENGINEERING DRAWING CHANGES

Please refer to the attached MEP drawings.

END OF ADDENDUM No. 1

SECTION 08710

FINISH HARDWARE

PART 1 - GENERAL

- 1.01 DESCRIPTION OF WORK
 - Α. Work under this section comprises of furnishing and installing hardware specified herein and noted on drawings for a complete and operational system, including any electrified hardware components, systems, controls and hardware for aluminum entrance doors. Any door shown on the drawing and not specifically referenced in the hardware sets shall be provided with identical hardware as specified on other similar openings and shall be included in the finish hardware suppliers bid. All fire rated door shall be provided with fire rated hardware as required by local code Authority as part of the hardware supplier's base bid. The hardware supplier shall verify all cylinder types specified for locking devices supplied as part of the door system with the door manufacturer and/or door supplies.
 - The General Contractor and/or Hardware Supplier shall notify the Architect in writing of any Β. discrepancies (five (5) days prior to bid date) that could and/or would result in hardware being supplied that is none functional, hardware specified and/or hardware that has not been specified that will result in any code violations and any door that is not covered in this specification. Failure of the General Contractor and/or Hardware Supplier to address any such issue shall be considered acceptance of the hardware specified and all discrepancies shall be corrected at the general contractors and/or hardware supplier's expense and considered a part of their base bid. Change orders shall not be issued if deemed by the Architect and/or Harlingen CISD to fall under and/or be covered as a part of the supplier's base bid, due to failure to comply with this instruction notification.
 - C. Items include but are not limited to the following:
 - Hinges Pivots 1.
 - 2. Flush Bolts
 - 3. Exit Devices
 - Locksets and Cylinders 4.
 - 5. **Push Plates - Pulls**
 - 6. Coordinators
 - 7. Closers
 - Kick, Mop and Protection Plates 8.
 - Stops, Wall Bumpers, Overhead Controls 9.
 - **Electrified Hold Open Devices** 10.
 - Thresholds. Seals and Door Bottoms 11.
 - 12. Silencers
 - Miscellaneous Trim and Accessories 13.
- 1.02 RELATED DOCUMENTS, drawings and general provisions of contract, including General and Supplementary Conditions, and Division 1 Specification sections, apply to this section.
- 1.03 RELATED WORK specified elsewhere that should be examined for its effect upon this section:
 - Α. Section 06 20 00 - Finish Carpentry
 - Β. Section 08 11 13 – Steel Doors and Frames
 - Section 08 14 16 Flush Wood Doors C.
 - D. Sections within 08 31 13 – Access Doors
 - Section within 08 41 13 Aluminum Entrances, Storefront and Window Framing Ε.
 - Sections within 08 80 00 Glass and Glazing F.
 - Sections within 09 91 00 Painting G. Η.
 - **Division 26 Electrical**

- I. Division 28 Access Control
- 1.04 REFERENCES SPECIFIED in this section subject to compliance as directed:
 - A. NFPA-80 Standard for Fire Doors and Windows
 - B. NFPA-101 Life Safety Code
 - C. ADA The Americans with Disabilities Act Title III Public Accommodations
 - D. ANSI-A 117.1 American National Standards Institute Accessible and Usable Buildings and Facilities
 - E. ANSI-A 156.5 American National Standards institute -Auxiliary Locks and Associated Products
 - F. UFAS Uniform Federal Accessibility Standards
 - G. UL Under-writer's Laboratories
 - H. WHI Warnock Hersey International, Testing Services
 - I. State and Local Codes including Authority Having Jurisdiction
 - J. UL10C Positive Pressure
 - K. IBC-2012/2015 International Building Code
 - L. NFPA-70 International Electrical Code

1.05 SUBMITTALS

- A. HARDWARE SCHEDULES submit copies of schedule in accordance with Division 1, General Requirements. Schedule to be in vertical format, listing each door opening, including: handing of opening, all hardware scheduled for opening or otherwise required to allow for proper function of door opening as intended, and finish of hardware. At doors with door closers or door controls include degree of door opening. Supply the schedules all Finish Hardware within two (2) weeks from date purchase order is received by the hardware supplier.
- B. Submit manufacturer's cut/catalog sheets on all hardware items and any required special mounting instructions with the hardware schedule.
- C. Certification of Compliance:
 - 1. Submit any information necessary to indicate compliance to these specifications as required.
 - 2. Submit a statement from the manufacturer that electronic hardware and systems being supplied comply with the operational descriptions exactly as specified.
- D. Submit any samples necessary as required by the Architect.
- E. Templates for finish hardware items to be sent to related door and frame suppliers within three (3) working days of receipt of approved hardware schedule.
- F. Doors and Frames used in positive pressure opening assemblies shall meet UL10C in areas where this specification includes Seals for smoke door.

1.06 QUALITY ASSURANCE

- A. Hardware supplier to be a qualified, Factory Authorized, direct distributor of the products to be furnished. In addition, the supplier to have in their regular employment an AHC or AHC /CDC and/or a person of equivalent experience (minimum fifteen (15) years in the industry) who will be made available at reasonable times to consult with the Architect/Contractor and/or Harlingen CISD regarding any matters affecting the finish hardware on this project.
- B. All hardware used in labeled fire or smoke rated openings to be listed for those types of openings and bear the identifying label or mark indicating UL. (Underwriter's Laboratories) approved for fire. Exit devices in non-labeled openings to be listed for panic.

1.07 DELIVERY, HANDLING AND PACKAGING

- A. Furnish all hardware with each unit clearly marked and numbered in accordance with the hardware schedule. Include door and item number for each.
- B. Pack each item of hardware completes with all necessary parts and fasteners.
- C. Properly wrap and cushion each item to prevent scratches and dents during delivery and storage.

1.08 SEQUENCING AND SCHEDULING

Any part of the finish hardware required by the frame or door manufacturers or other suppliers that is needed to produce doors or frames is to be sent to those suppliers in a timely manner, so as not to interrupt job progress.

1.09 WARRANTY

All finish hardware shall be supplied with a Two- (2) year warranty against defects in materials and workmanship, commencing with substantial completion of the project except as follows:

- 1. All Closers are to have a thirty- (30) year written warranty.
- 2. All Exit Devices are to have a three- (3) year written warranty.
- 3. All Locksets are to have a ten- (10) year written warranty.
- 4. All Continuous are to have a ten- (10) year written warranty.

PART 2 – PRODUCTS

2.01 FASTENERS

- A. Furnish with finish hardware all necessary screws, bolts and other fasteners of suitable size and type to anchor the hardware in position for a long life under hard use.
- B. Furnish fastenings where necessary with expansion shields, toggle bolts and other anchors designated by the Architect according to the material to which the hardware is to be applied and the recommendations of the hardware manufacturer. All closers and exit devices on labeled wood doors shall be through-bolted if required be the door manufacturer. All thresholds shall be fastened with wood screws and plastic anchors. Where specified in the hardware sets, security type fasteners of the type called for are to be supplied.
- C. Design of all fastenings shall harmonize with the hardware as to material and finish.
- D. All hardware shall be installed with the Manufacturers standard screws as provided. The use of any other type of fasteners shall not be permitted. The general contractor shall provide wood blocking in all stud walls specified and/or scheduled to receive wall stops, No Exception.

2.02 ENVIRONMENTAL CONCERN FOR PACKAGING

Hardware shipped to the project jobsite is to be packaged in biodegradable packs such as paper or cardboard boxes and wrapping.

2.03 HINGES

A. All hinges to be of one manufacturer as hereafter listed for continuity and consideration of warranties. Provide one of the following manufacturers lves, Bommer, Select Products, Zero or Stanley.

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- B. Unless otherwise specified provide five-knuckle, heavy-duty, button tip, full mortise template type hinges with non-rising loose pins. Provide non-removable pins for out swinging doors at secured areas or as called for in this specification (Refer to 3.02 Hardware Sets).
- C. Provide exterior and interior out-swinging door hinges manufactured from stainless steel with non-removable pins or security studs as called for in 3.02 Hardware Sets.
- D. Furnish three (3) hinges up to 90 inches high and one (1) additional hinge for every 30 inches or fraction thereof.
- E. Provide size $4\frac{1}{2}$ " x $4\frac{1}{2}$ " for all $1\frac{3}{4}$ " thick doors up to and including 36 inches wide. Doors over $1\frac{3}{4}$ " through $2\frac{1}{4}$ " thick, use 5" x 5" hinges. Doors over 36 inches use 5" x $4\frac{1}{2}$ " unless otherwise noted in 3.02 Hardware Sets.
- F. Were required to clear the trim and/or to permit the doors to swing 180 degrees furnish hinges of sufficient throw.
- G. Provide heavy weight hinges on all doors over 36 inches in width.
- H. At labeled door's steel or stainless steel, bearing-type hinges shall be provided. For all doors equipped with closers provide bearing-type hinges.
- I. Finishes for exterior and interior five knuckle hinges shall be stainless steel (US32D/630).
- J. Continuous Hinges shall be the aluminum base metal geared type hinge at all aluminum and/or wood doors. Continuous hinges used on hollow metal doors shall be the pinned type hinge in a steel and/or stainless-steel base metal.
- K. Continuous Hinges shall all have been tested and rated at a maximum door weight capacity of 450 pounds.
- L. Continuous hinges shall be lves as specified or equal products manufactured by Select Products and/or ABH.

2.04 LOCK AND LOCK TRIM

- A. All the locksets, latch sets, and trim to be of one manufacturer as hereafter listed for continuity of design and consideration of warranty. Locksets specified are Schlage "ND & L9000" series with the Rhodes lever to match existing Harlingen CISD Standards.
- B. Provide metal wrought box strike boxes and curved lip strikes with proper lip length to protect trim of the frame, but not to project more than 1/8 inch beyond frame trim or the inactive leaf of a pair of doors.
- C. Mechanical Locks shall meet ANSI Operational Grade 1, Series 1000/4000 as specified.
 - 1. Hand of lock is to be field reversible or non-handed.
 - 2. All lever trim is to be through-bolted through the door.
 - 3. Provide a 3/4" (14-042) latch throw at all pairs of hollow metal and/or wood doors.
 - 4. Provide a 3-3/4" (14-028) back-set at all doors specified with sound seal if required to avoid a conflict between lock and seals.

2.05 CYLINDERS AND KEYING

A. Provide locks and Exit devices requiring cylinders with Schlage Classic Keyway (Interior) and Primus Keyway (Exterior) as specified. All cylinders shall comply with performance requirements of ANSI A156.5. All keys shall be of nickel silver material only. All locks are to be factory keyed to the Existing Schlage master key system (which is factory maintained) as directed by Harlingen CISD and the Architect. The hardware supplier shall meet with the

Harlingen C.I.S.D. Harlingen, Texas General Contractor, the Architect and Harlingen CISD at the project site to determine all permanent keying requirements. The hardware supplier shall provide two hundred- (200) key blanks (Stamped as required) for Harlingen CISD use on the inside of the building and One (1) Knox Box if required by the local Fire Marshal. The contractor shall as have required by the local Fire Marshal and Harlingen CISD mount install the Knox Box as instructed.

- B Furnish all locks, cylinders and Exit devices with temporary keyed construction master keyed cylinders for the duration of construction if requested by Harlingen CISD. Provide ten (10) construction keys total. The general contractor shall within thirty (30) days of the installation of permanent cylinders return all construction cylinders to the hardware supplier for full credit.
- C. Cylinders shall be factory keyed and factory maintained as directed by Harlingen CISD and the Architect. Provide three- (3) keys per cylinder and six- (6) master keys per master used.
- D. Factory stamp all keys "Do not duplicate" and with key symbol as directed by Harlingen CISD. Visual key control on the permanent cylinders and keys shall be provided and consist of factory stamping of all cylinders and keys with the key symbol.

2.06 EXIT DEVICES

- A. All exit devices and trim, including electrified items, to be of one manufacturer as hereafter listed and in the hardware sets for continuity of design and consideration of warranty; electrified devices and trim to be the same series and design as mechanical devices and trim.
- B. Exit Devices to be "UL" listed for life safety. All exit devices for labeled doors shall have "UL" label for "Fire Exit Hardware". All devices mounted on labeled wood doors are to be throughbolted or per the manufacturer's listing requirements. All devices shall conform to NFPA 80 and NFPA 101 requirements.
- C. All exit devices to be of a heavy duty, chassis mounted design, with one-piece removable covers, eliminating necessity of removing the device from the door for standard maintenance and keying requirements.
- D. All trims to be through-bolted to the lock stile case. Lever design to be the same as specified with the lock sets.
- E. Exit Devices shall be the push rail design. All exit devices shall be mounted with sex bolts.
- F. All devices shall carry a three- (3) year warranty against manufacturing defects and workmanship.
- G. Exit Devices shall be Von Duprin "99" series to match existing Harlingen CISD standards.

2.07 SURFACE MOUNTED DOOR CLOSERS

- A. All closers for this project shall be the products of a single manufacturer for continuity of design and consideration of warranty. All door closers shall be mounted as to achieve the maximum degree of opening (trim permitting).
- B. All closers to be heavy duty, surface-mounted, fully hydraulic, rack and pinion-action with high strength cast iron cylinder to provide control throughout the entire door opening cycle.
- C. Size all closers in accordance with the manufacturer's recommendations at the factory.
- D. All closers to have adjustable spring power sizes 1 or 2 through 4 or 6 and separate tamper resistant, brass, non-critical regulating screw valves for closing speed, latching speed and back-check control as a standard feature unless specified otherwise.

- E. All closer covers to be rectangular, full cover type of non-ferrous, non-corrosive material painted to match closer. Provide closer covers only if provided as a standard part of the door closer package.
- F. Closers shall have heavy-duty arms. All closer arms shall be of sufficient length to accommodate the reveal depth and to insure proper installation. The hardware supplier shall provide all required brackets, spacers or filler plates as required by the manufacture for a proper and functional installation as part of their base bid.
- G. Supply appropriate arm assembly for each closer so that closer body and arm are mounted on non-public side of door opening and on the interior side of exterior openings, except where required otherwise in the hardware sets.
 - 1. All parallel arm mounted closers to be factory indexed to insure proper installation.
 - 2. Furnish heavy-duty cold forged parallel arms for all parallel arm mounted closers.
- H. Provide closers with special application and heavy-duty arms as specified in the hardware sets or as otherwise called for to insure a proper operating, long lasting opening. Drop plates and any additional brackets required for the proper installation of the door closer shall be included in the hardware supplier's base bid.
- I. Finish: Sprayed enamel finish shall match other hardware.
- J. Provide and install all surface mounted door closers with sex bolts as provided by the manufacturer.
- K. Closers shall be LCN 4040XP (exterior) and 1261 (interior) series as specified and/or products considered equal by HCISD and manufactured by Norton.

2.08 DOOR STOPS AND HOLDERS

- A. Door stops are to be furnished for every door leaf. Every door is to have a floor, wall, or an overhead stop.
- B. Place doorstops in such a position that they permit maximum door swing, but do not present a hazard of obstruction. Furnish floor strikes for floor holders of proper height to engage holders of doors.
- C. Where overhead stops and holders are specified, or otherwise required for proper door operation, they are to be heavy duty and of extruded brass, bronze or stainless steel with no plastic parts as specified. The General Contractor shall provide wood blocking in all stud walls specified and scheduled to receive wall stops.
- D. Finish: Same as other hardware where available.
- E. Acceptable Products
 - 1. Floor and wall stops as listed in hardware sets. Equivalent products as manufactured by Ives, Rockwood, Glynn Johnson and Trimco are acceptable.

2.09 PUSH PLATES, DOOR PULLS, AND KICKPLATES

- A. All push plates, door pull, kick plates and other miscellaneous hardware as listed in hardware sets. Equivalent products as manufactured by Ives, Rockwood and Trimco are acceptable.
- B. Kick plates to be 10 inches high and Mop plates to be 6 inches high, both by 2 inches or 1 inch less than door width (LDW) as specified. They are to be of 16-gauge thick stainless

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steel. For door with louvers or narrow bottom rails, kick plate height to be 1 inch less dimension shown from the bottom of the door to the bottom of the louver or glass.

- C. Where required armor plates, edge guards and other protective hardware shall be supplied in sizes as scheduled in the hardware sets.
- D. Finish: Same as other hardware where available.

2.10 FLUSH BOLTS AND COORDINATORS

A. Provide Flush bolts with Dust Proof Strikes as indicated in the individual hardware sets by lves, Rockwood, Glynn Johnson and Trimco are acceptable. Finish shall match the adjacent hardware.

2.11 THRESHOLDS AND SEALS

- A. Provide materials and finishes as listed in hardware sets and manufactured by Zero. Equivalent product by National Guard Products and Reese are acceptable. All thresholds must be in accordance with the requirements of the ADA and ANSI A117.1.
- B. Provide thresholds with wood screws and plastic anchors. Supply all necessary anchoring devices for weather strip and sound seal.
- C. Seals shall comply with requirements of UL10C. All thresholds, door bottoms and weather strip inserts shall be a silicone based product as specified in 3.02 Hardware Sets.
- D. Seals shall comply with the requirements of the Wood Door Manufacturer's certification requirements.

2.12 FINISHES

- A. Finishes for all hardware are as required in this specification and the hardware sets.
- B. Special care shall be taken to make the finish of all various manufactured items uniform.

2.13 DOOR SILENCERS

A. Provide door silencers at all openings without gasket. Provide two- (2) each at each pair of doors and three- (3) or four- (4) each for each single door (coordinate with the frame manufacturer).

2.14 PROPRIETARY PRODUCTS

- A. References to specific products are used to establish quality standards of utility and performance. Unless otherwise approved provide only the specified product.
- B. All other materials, not specifically described, but required for a complete and proper finish hardware installation, are to be selected by the Contractor, subject to the approval of the Architect and Harlingen CISD.
- C. Architect and Harlingen CISD reserve the right to approve all the substitutions proposed for this specification. All requests for substitution to be made prior to bid in accordance with Division 1, General Requirements, and are to be in writing, hand delivered to the Architect. Two (2) copies of the manufacturer's brochures and a physical sample of each item in the appropriate design and finish shall accompany requests for substitution.

PART 3 - EXECUTION

3.01 INSTALLATION AND SERVICE ITEMS OF FINISH HARDWARE

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- A. All finish hardware shall be installed by an experienced finish hardware installer with at least ten (10) years of experience after a pre-installation meeting between the contractor, hardware Manufacturers representative, the hardware supplier, the hollow metal supplier and the wood door supplier. The finish hardware installer shall be responsible for the proper installation and function of all doors and hardware.
- B. The hardware supplier's office and/or warehouse shall be located within a one hundred (100) mile radius of the project site as to better service the general contractor and Harlingen CISD during this project.
- C. Check hardware against the reviewed hardware schedule upon delivery. Store the hardware in a dry and secure location to protect against loss and damage.
- D. Install finish hardware in accordance with approved hardware schedule and manufacturers' printed instructions. Pre-fit hardware before finish is applied to door; remove and reinstall after finish is complete and dry. Install and adjust hardware so that parts operate smoothly, close tightly, and do not rattle.
- E. Mortise and cutting to be done neatly, and evidence of cutting to be concealed in the finished work. Protect all Finish hardware from scratching or other damage.

3.02 HARDWARE SETS SPEXTRA: 415323 HARDWARE GROUP NO. 201 SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD FOR USE ON MARK/DOOR #(S): A113A

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	STOREROOM LOCK	ND80PD RHO	626	SCH
1	EA	SURFACE CLOSER	1261 RW/PA SLIM TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	8145S/BK-HEAD & JAMBS	BK	ZER

HARDWARE GROUP NO. 201C - CARD ACCESS CONTROLLED

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD FOR USE ON MARK/DOOR #(S): B121 B215

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	ELECTRIC HINGE	5BB1 4.5 X 4.5 TW8	630	IVE
1	EA	STOREROOM LOCK	ND80PDEU RHO RX	626	SCH
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	8145S/BK-HEAD & JAMBS	BK	ZER
		CARD READER	PROVIDED BY OTHER		
		POWER SOURCE	PROVIDED BY OTHER		

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD FOR USE ON MARK/DOOR #(S): B118

EACH TO HAVE:

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QIY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	STOREROOM LOCK	ND80PD RHO	626	SCH
1	EA	SURFACE CLOSER	1261 RW/PA SLIM TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	328AA-2 PCS JAMB HEIGHT	AA	ZER
1	EA	GASKETING	429AA-S-1 PC HEADER WIDTH	AA	ZER
1	EA	AUTO DOOR BOTTOM	365-DOOR WIDTH	AA	ZER
1	EA	THRESHOLD	655A-V3-DOOR WIDTH	А	ZER

HARDWARE GROUP NO. 201CGW

SGL 4' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD FOR USE ON MARK/DOOR #(S): B119

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 5 X 4.5 NRP	630	IVE
1	EA	STOREROOM LOCK	ND80PD RHO	626	SCH
1	EA	SURFACE CLOSER	1261 CUSH SLIM TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	GASKETING	328AA-2 PCS JAMB HEIGHT	AA	ZER
1	EA	GASKETING	429AA-S-1 PC HEADER WIDTH	AA	ZER
1	EA	AUTO DOOR BOTTOM	365-DOOR WIDTH	AA	ZER
1	EA	THRESHOLD	655A-V3-DOOR WIDTH	А	ZER

HARDWARE GROUP NO. 203

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD

FOR USE ON MARK/DOOR #(S):

A137	A202	B144	B230

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	STOREROOM LOCK	ND80PD RHO	626	SCH
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 203S

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD FOR USE ON MARK/DOOR #(S):

EACH TO HAVE:

	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
EA	STOREROOM LOCK	ND80PD RHO	626	SCH
EA	OH STOP & HOLDER	100F	630	GLY
EA	SILENCER	SR64	GRY	IVE
	EA EA EA EA	DESCRIPTION EA HINGE EA STOREROOM LOCK EA OH STOP & HOLDER EA SILENCER	DESCRIPTIONCATALOG NUMBEREAHINGE5BB1HW 4.5 X 4.5 NRPEASTOREROOM LOCKND80PD RHOEAOH STOP & HOLDER100FEASILENCERSR64	DESCRIPTIONCATALOG NUMBERFINISHEAHINGE5BB1HW 4.5 X 4.5 NRP630EASTOREROOM LOCKND80PD RHO626EAOH STOP & HOLDER100F630EASILENCERSR64GRY

HARDWARE GROUP NO. 203SY

SGL 2' 4" X 7' 0" X 1 3/4" X WD X HMF X NONRTD FOR USE ON MARK/DOOR #(S): A218

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	STOREROOM LOCK	ND80PD RHO	626	SCH
1	EA	OH STOP & HOLDER	450F	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 203SZ

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD FOR USE ON MARK/DOOR #(S): B213

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	STOREROOM LOCK	ND80PD RHO	626	SCH
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

INSTALL DOOR AS TO SWING 180 DEGREE

HARDWARE GROUP NO. 212GS

PR 6' 0" X 7' 0" X 1 3/4" X HMD X HMF X NONRTD

FOR USE ON MARK/DOOR #(S):

A136	A203	B143A	B229

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
2	EA	MANUAL FLUSH BOLT	FB458	626	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCK	ND80PD RHO	626	SCH
2	EA	OH STOP	100S	630	GLY
1	EA	ASTRAGAL SOUND	322-DOOR HEIGHT (MOUNT ON INSIDE	А	ZER
		SEAL	OF INACTIVE LEAF)		

1	EA	GASKETING	328AA-2 PCS JAMB HEIGHT	AA	ZER
1	EA	GASKETING	429AA-S-1 PC HEADER WIDTH	AA	ZER
2	EA	AUTO DOOR BOTTOM	365-DOOR WIDTH	AA	ZER
1	EA	ASTRAGAL	43SP-DOOR HEIGHT (MOUNT ON	SP	ZER
			OUTSIDE OF ACTIVE LEAF)		
1	EA	THRESHOLD	655A-V3-DOOR WIDTH	А	ZER

PROVIDE 7/8" LTC STRIKE.

HARDWARE GROUP NO. 301

SGL 3' 0" X	7' 0" X 1 3/4" X V	VD X HMF X NON	RTD
FOR USE O	N MARK/DOOR	#(S):	
B114	B115	B116	B117

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	CORRIDOR LOCK	L9456P 06A L583-363 L283-722	626	SCH
1	EA	SURFACE CLOSER	1261 RW/PA SLIM TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	COAT HOOK	582M	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 403

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD FOR USE ON MARK/DOOR #(S):

		+(5).			
A105	A107	A112	A120	A125	A127
A132	A134	B105	B107	B112	B126
B132	B134	B139	B141		

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	HOSPITAL PRIVACY	ND44S RHO	626	SCH
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	COAT HOOK	582M	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 403M

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD							
FOR USE ON MA	RK/DOOR #(S):						
A103B	A106B	A123B	A130B	B103B	B106B		
B130B	B137B						

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	PASSAGE SET	ND10S RHO	626	SCH

Section	08710	Finish	Hardware
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1	EA	FLOOR STOP/HOLDER	FS40	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 503

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD FOR USE ON MARK/DOOR #(S):

		/(U).			
A104	A108	A111	A121	A124	A128
A131	A135	B104	B108	B111	B123
B127	B131	B135	B138	B142	B217

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	CLASSROOM LOCK	ND70PD RHO	626	SCH
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 503S

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD

		+(3).			
A118	A207	A209	A212	A214	A223
A226	A228	B205	B207	B210	B212
B221	B223	B226	B228		

EACH TO HAVE:

	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
EA	CLASSROOM LOCK	ND70PD RHO	626	SCH
EA	OH STOP & HOLDER	450F	630	GLY
EA	SILENCER	SR64	GRY	IVE
	EA EA EA EA	DESCRIPTION EA HINGE EA CLASSROOM LOCK EA OH STOP & HOLDER EA SILENCER	DESCRIPTIONCATALOG NUMBEREAHINGE5BB1HW 4.5 X 4.5 NRPEACLASSROOM LOCKND70PD RHOEAOH STOP & HOLDER450FEASILENCERSR64	DESCRIPTIONCATALOG NUMBERFINISHEAHINGE5BB1HW 4.5 X 4.5 NRP630EACLASSROOM LOCKND70PD RHO626EAOH STOP & HOLDER450F630EASILENCERSR64GRY

HARDWARE GROUP NO. 551

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD

 FOR USE ON MARK/DOOR #(S):

 A103A
 A106A
 A110
 A116

 A126
 A130A
 A133
 A206

A126	A130A	A133	A206	A208	A211
A213	A222	A225	A227	B103A	B106A
B110	B124	B130A	B133	B137A	B140
B204	B206	B209	B211	B220	B222
B225	B227				

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	I MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	CLASSROOM SECURITY	ND75PD RHO XN12-035	626	SCH
1	EA	SURFACE CLOSER	1261 RW/PA SLIM TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	FLOOR STOP/HOLDER	FS40	626	IVE
1	EA	GASKETING	8145S/BK-HEAD & JAMBS	BK	ZER

A123A

A117

HARDWARE GROUP NO. 551Z

SGL 3' 0" X 7' 0" X 1 3/4" X WD X HMF X NONRTD FOR USE ON MARK/DOOR #(S): B122 B216

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	ND70PD RHO	626	SCH
1	EA	SURFACE CLOSER	1261 RW/PA SLIM TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	8145S/BK-HEAD & JAMBS	BK	ZER

HARDWARE GROUP NO. 714

PR 6' 0" X 7' 0" X 1 3/4" X ALD X ALF X NONRTD FOR USE ON MARK/DOOR #(S): B100B

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONTINUOUS HINGE	112XP-DOOR HEIGHT	628	IVE
1	EA	REMOVABLE MULLION	KR9954B STAB	689	VON
1	EA	PANIC HARDWARE	HH-99-DT-299F-SNB	US28	VON
1	EA	PANIC HARDWARE	HH-99-NL-299F-SNB	US28	VON
2	EA	CYLINDER HOUSING	20-079/20-059 AS REQUIRED	626	SCH
2	EA	PRIMUS CORE	20-740	626	SCH
2	EA	FSIC CORE	23-030 ICX	622	SCH
2	EA	SURFACE CLOSER	4040XP SCUSH SRI TBSRT	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA SRI	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 SRI	689	LCN
1	EA	RAIN DRIP	142AA-FRAME WIDTH PLUS 4"	AA	ZER
1	EA	ASTRAGAL	8193 (2 PCS) DOOR HEIGHT	AA	ZER
2	EA	DOOR SWEEP	8197AA-DOOR WIDTH	AA	ZER
1	EA	THRESHOLD	65A-V3-223-FRAME WIDTH	Α	ZER

NOTE: VERIFY WINDSTORM "CERTIFICATION" OF SPECIFIED HARDWARE W/DOOR SYSTEM.

HARDWARE GROUP NO. W205

PR 6' 0" X 7' 0" X 1 3/4" X HMD X HMF X NONRTD FOR USE ON MARK/DOOR #(S): A139 B143B

EACH TO HAVE:

QTY 2	FA	DESCRIPTION	CATALOG NUMBER	FINISH 628	MFR IVF
1	EA	STOREROOM LOCK	ND80TD RHO 14-042	626	SCH
1	EA	PRIMUS CORE	20-740	626	SCH

Harlingen C.I.S.D. Harlingen, Texas

1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH SRI TBSRT	689	LCN
1	EA	RAIN DRIP	142AA-FRAME WIDTH PLUS 4"	AA	ZER
1	EA	GASKETING	328AA-2 PCS JAMB HEIGHT	AA	ZER
1	EA	GASKETING	429AA-S-1 PC HEADER WIDTH	AA	ZER
1	EA	ASTRAGAL	43SP-DOOR HEIGHT	SP	ZER
2	EA	DOOR SWEEP	8197AA-DOOR WIDTH	AA	ZER
1	EA	THRESHOLD	65A-V3-223-FRAME WIDTH	Α	ZER

NOTE: VERIFY WINDSTORM "CERTIFICATION" OF SPECIFIED HARDWARE W/DOOR SYSTEM.

HARDWARE GROUP NO. W714A - CARD ACCESS CONTROLLED

PR 6' 0" X 7' 0" X 1 3/4" X ALD X ALF X NONRTD FOR USE ON MARK/DOOR #(S):

A100 A115 B100

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONTINUOUS HINGE	A110HD RC8-DOOR HEIGHT	628	ABH
1	EA	REMOVABLE MULLION	KR9954B STAB	689	VON
1	EA	ELEC PANIC	RX-QEL-HH-99-DT-299F-SNB	US28	VON
		HARDWARE			
1	EA	ELEC PANIC	RX-QEL-HH-99-NL-299F-SNB	US28	VON
		HARDWARE			
2	EA	CYLINDER HOUSING	20-079/20-059 AS REQUIRED	626	SCH
2	EA	PRIMUS CORE	20-740	626	SCH
2	EA	FSIC CORE	23-030 ICX	622	SCH
2	EA	SURFACE CLOSER	4040XP SCUSH SRI TBSRT	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA SRI	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 SRI	689	LCN
2	EA	DOOR SWEEP	8197AA-DOOR WIDTH	AA	ZER
1	EA	THRESHOLD	65A-V3-223-FRAME WIDTH	A	ZER
		CARD READER	PROVIDED BY OTHER		
		POWER SOURCE	PROVIDED BY OTHER		
		WEATHER STRIP	PROVIDED BY THE ALUMINUM DOOR		
			MFG		

NOTE: VERIFY WINDSTORM "CERTIFICATION" OF SPECIFIED HARDWARE W/DOOR SYSTEM.

END OF SECTION

SECTION 07951 CAULKING

PART 1: GENERAL:

1.01 DESCRIPTION:

A. WORK INCLUDED: Throughout the project, caulk and seal all joints where shown on the Drawings and elsewhere as required to provide a positive barrier against passage of air and passage of moisture.

1.02 QUALITY ASSURANCE:

- A. Qualifications of Installers:
 - 1. Proper caulking and proper installation of sealants require that installer be thoroughly trained and experienced in the necessary skills and thoroughly familiar with the specified requirements.
 - 2. For caulking and installation of sealants throughout the work, use only personnel who have been specifically trained in such procedures and who are completely familiar with the joint details shown on the Drawings and the installation requirements called for in this Section.

1.03 SUBMITTALS:

- A. General: Comply with provisions of Section 01300.
- B. Manufacturer's Data: Within 45 calendar days after award of the Contact, submit:
 - 1. A complete materials list showing all items proposed to be furnished and installed under this Section.
 - 2. Sufficient data to demonstrate that all such materials meet or exceed the specified requirements.
- C. Samples: Accompanying the submittal required in Paragraph "B" submit samples of each sealant, each backing material, each primer, and each bond breaker proposed to be used.

1.04 PRODUCT HANDLING:

- A. Delivery and Storage: Deliver all materials of this Section to the jobsite in the original unopened containers with all labels intact and legible at time of use. Store only under conditions recommended by the manufacturers. Do not retain on the jobsite any material which has exceeded the shelf life recommended by its manufacturer.
- B. Protection: Use all means necessary to protect the materials of this Section before, during, and after installation and to protect the work and materials of all other trades.
- C. Replacements: In the event of damage, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

PART 2: PRODUCTS:

A. General: Except as otherwise approved by the Architect, in writing, use only the type of caulking described in this Article.

B. Caulking:

- 1. Around Fixed Glass "Storefront" Aluminum Frames use silicone based caulking in color matching the aluminum. This caulking furnished and installed by "storefront" aluminum installer.
- 2. Around Windows: (if any) Use DAP Acrylic Latex Caulk with Silicone, in color to match window color or approved equal.
- 3. Around Exterior Door Frames: Use DAP Acrylic Latex Caulk with silicone in "Clear" color or approved equal.
- 4. Miscellaneous Exterior Connections Between Dissimilar Materials: Use DAP Acrylic Latex Caulk with silicone in "Clear" color unless another standard color of the manufacturer would be more suitable.
- 5. Exterior Masonry Control Joints: Use Dow Corning sealant or approved equal. Prime where required by manufacturer. Provide foam backer rod approved for use by sealant manufacturer.
- 6. Interior Caulking: Use DAP Acrylic Latex Caulk with silicone or approved equal. Color as selected from manufacturer's standard colors.
- 7. Caulking Around Plumbing Fixtures: Dow Corning Bathtub Caulking or approved equal. Color White or color of plumbing fixture if other than White. This caulking to be furnished and installed by

- plumbing contractor.
- 8. Caulking Joints Not Otherwise Specified: Use DAP Acrylic Latex Caulk with silicone or approved equal.

C. Prime:

1. In accordance with sealant manufacturer recommendations.

PART 3: EXECUTION:

3.01 INSPECTION:

A. Examine the areas and conditions under which work of this section will be performed. Correct conditions detrimental to the proper and timely completion of the Work. Do not proceed until satisfactory conditions have been corrected.

3.02 PREPARATION:

A. All Surfaces:

- 1. All surfaces in contact with caulking shall be dry, sound, and well brushed and wiped free from dust, and oil or grease.
- 2. Use solvent, where necessary, to remove oil and grease, wiping the surfaces with clean rags.
- 3. Remove all mortar from the joint cavity.
- 4. Where backstop is required, insert the approved backup material in the joint cavity to the depth required.

3.03 INSTALLATION OF SEALANTS:

- A. General: Prior to start of installation in each joint, verify the joint type, and verify that the required proportion of width of joint to depth of joint has been secured.
- B. Equipment: Apply sealant under pressure with hand or power-actuated gun or other appropriate means. Guns shall have nozzle of proper size and shall provide sufficient pressure to completely fill joints as designed.
- C. Masking: Thoroughly and completely mask all joints where the appearance of sealant on adjacent surfaces would be objectionable.
- D. Installation of Sealant: Install the sealant in strict accordance with the manufacturer's recommendations as approved by the Architect, thoroughly filling all joints to the recommended depth.
- E. Tooling: Tool all joints to the profile recommended by the caulking manufacturer or as shown by details in the Drawings.
- F. Cleaning Up:
 - 1. Remove masking tape immediately after joints have been tooled.
 - 2. Clean adjacent surfaces free from sealant as the installation progresses. Use solvent or cleaning agent as recommended by the sealant manufacturer.

END OF SECTION





























	ROOM FINISH SCHEDULE - PARTIA	L FLOOR PLAN - AREA "A" - 1ST FLOOR	ROOM FINISH SCHEDULE - PARTIAL FLOOR PLAN - AREA "A" - 2ND FLOOR	
Δ ΝΔΜΕ	ELOOR BASE NORTH EAST SOUTH	CEILING WEST FINISH HEIGHT COUNTERTOP REMARKS	WALLS CEILING NUMBER NAME FLOOR BASE NORTH FAST SOUTH WEST FINISH HEIGHT COUNTERTOR	PEMARKS
A INAIVIE 100 WEST LOBBY	FLOOR BASE NORTH EAST SOUTH F.8 B.1 W.1 W.1 W.1	WEST FINISH HEIGHT COUNTERTOP REMARKS W.1 C.1 10'-4"	A200 WEST STAIRS F.7 B.5 W.1 W.1 W.1 C.1 VARIES	REWARKS
101 CORRIDOR 102 ALCOVE 103 PRE-K	F.8 B.1 W.1 W.1 F.8 B.1 W.1 W.1 F.8 B.1 W.1 W.1 W.1	C.1 10'-4" W.1 C.1 10'-4" W.1 C.1 10'-0"	A201 WEST STUDENT COLLABORATION F.8 B.1 W.1 W.1 W.1 C.1 10'-4" A202 BOOKS F.1 B.1 W.1 W.1 W.1 C.1 10'-4"	
104 STO. 105 T. 106 PRE-K	F.1 B.1 W.1 W.1 F.3 B.4 W.4 W.4 F.8 B.1 W.1 W.1	W.1 C.1 8'-0" W.4 C.3 8'-0" W.1 C.1 10'-0"	A203 MECH. F.5 B.6 W.5 W.5 C.9 VARIES A204 CORRIDOR F.8 B.1 W.1 W.1 C.1 10'-4" A205 ALCOVE F.8 B.1 W.1 W.1 W.1 C.1 10'-4"	
07 T. 108 STO. 109 ALCOVE	F.3 B.4 W.4 W.4 W.4 F.1 B.1 W.1 W.1 W.1 F.8 P.1 W.1 W.1 W.1	W.4 C.3 8'-0" W.1 C.1 8'-0" W.1 C.1 10' 4"	A206 2ND GRADE F.8 B.1 W.1 W.1 W.1 C.1 10'-0" A207 STOR. F.1 B.1 W.1 W.1 W.1 C.1 10'-0" A208 2ND GRADE F.8 B.1 W.1 W.1 W.1 C.1 8'-0"	
109 ALCOVE .110 KINDERGARTEN .111 STO.	F.8 B.1 W.1 W.1 F.8 B.1 W.1 W.1 W.1 F.1 B.1 W.1 W.1 W.1	W.1 C.1 10-4 W.1 C.1 10'-0" W.1 C.1 8'-0"	A209 STOR. F.1 B.1 W.1 W.1 W.1 C.1 8'-0" A210 ALCOVE F.8 B.1 W.1 W.1 C.1 10'-4" 00'-4"	
.112 T. .113 JAN. .113A ELECT.	F.3 B.4 W.4 W.4 W.4 F.1 B.1 W.1 W.1 W.1 F.5 B.6 W.5 W.5 W.5	W.4 C.3 8'-0" W.1 C.3 8'-0" W.5 C.9 VARIES	A211 2ND GRADE F.8 B.1 W.1 W.1 W.1 C.1 10'-0" A212 STOR. F.1 B.1 W.1 W.1 W.1 C.1 10'-0" A213 2ND GRADE F.8 B.1 W.1 W.1 W.1 C.1 8'-0"	
114 E.D.F. 115 CORRIDOR	F.8 B.1 W.1 W.1 F.8 B.1 W.1 W.1	W.4 C.1 7'-4" W.1 C.1 10'-4"	A214 STOR. F.1 B.1 W.1 W.1 W.1 C.1 8'-0" A215 SOUTH STUDENT COLLABORATION F.8 B.1 W.1 W.1 C.1 10'-4"	
116 ALCOVE 117 COMPUTER LAB 118 STO.	F.8 B.1 W.1 W.1 F.8 B.1 W.1 W.1 W.1 F.1 B.1 W.1 W.1 W.1	W.1 C.1 10'-4" W.1 C.1 10'-0" W.1 C.1 8'-0"	A216 LAVS. F.3 B.4 W.4 W.4 W.4 C.3 10'-0" A217 GIRLS F.3 B.4 W.4 W.4 W.4 C.3 10'-0"	
119 KINDERGARTEN 120 T. 121 STO.	F.8 B.1 W.1 W.1 F.3 B.4 W.4 W.4 F.1 B.1 W.1 W.1	W.1 C.1 10'-0" W.4 C.3 8'-0" W.1 C.1 8'-0"	A218 CHASE F.3 B.0 W.3 W.3 W.3 C.10 VARIES A219 LAVS. F.3 B.4 W.4 W.4 W.4 C.3 10'-0" A220 BOYS F.3 B.4 W.4 W.4 W.4 C.3 10'-0"	
122ALCOVE123KINDERGARTEN124STO	F.8 B.1 W.1 W.1 F.8 B.1 W.1 W.1 W.1 F.3 B.4 W.4 W.4 W.4	W.1 C.1 10'-4" W.1 C.1 10'-0" W.4 C.3 8' 0"	A221 ALCOVE F.8 B.1 W.1 W.1 C.1 10'-4" A222 2ND GRADE F.8 B.1 W.1 W.1 W.1 C.1 10'-0" A223 STOR. F.1 B.1 W.1 W.1 W.1 C.1 10'-0"	
124 310. 125 T. 126 KINDERGARTEN	F.1 B.1 W.1 W.1 F.8 B.1 W.1 W.1 W.1	W1.4 C.3 B-0 W.1 C.1 8'-0" W.1 C.1 10'-0"	A224 ALCOVE F.8 B.1 W.1 W.1 C.1 10'-4" A225 2ND GRADE F.8 B.1 W.1 W.1 W.1 C.1 10'-0" A226 STOP F.1 P.1 W.1 W.1 W.1 C.1 8' 0"	
127 T. 128 STO. 129 ALCOVE	F.3 B.4 W.4 W.4 W.4 F.1 B.1 W.1 W.1 W.1 F.8 B.1 W.1 W.1	W.4 C.3 8'-0" W.1 C.1 8'-0" W.1 C.1 10'-4"	A226 STOR. F.1 B.1 W.1 W.1 W.1 C.1 8-0 A227 2ND GRADE F.8 B.1 W.1 W.1 W.1 C.1 10'-0" A228 STOR. F.1 B.1 W.1 W.1 W.1 C.1 10'-0"	
130 PRE-K 131 STO. 132 T	F.8 B.1 W.1 W.1 W.1 F.1 B.1 W.1 W.1 W.1 F.3 B.4 W.4 W.4 W.4	W.1 C.1 10'-0" W.1 C.1 8'-0" W.4 C.3 8'-0"		
133 PRE-K 134 T.	F.8 B.1 W.1 W.1 W.1 F.3 B.4 W.4 W.4 W.4	W.1 C.1 10'-0" W.4 C.3 8'-0"		
135 STO. .136 MECH. .137 BOOKS	F.1 B.1 W.1 W.1 W.1 F.5 B.6 W.5 W.5 W.5 F.1 B.1 W.1 W.1 W.1	vv.1 C.1 8'-0" W.5 C.9 VARIES W.1 C.6 VARIES		
138WEST STAIRS139FIRE RISER	F.7 B.5 W.1 W.1 W.1 F.5 B.6 W.5 W.5 W.5	W.1 C.1 VARIES W.5 C.9 VARIES		
	ROOM FINISH SCHEDULE - PARTIA	L FLOOR PLAN - AREA "B" - 1ST FLOOR	ROOM FINISH SCHEDULE - PARTIAL FLOOR PLAN - AREA "B" - 2ND FLOOR	
A NAME	FLOOR BASE NORTH EAST SOUTH	CEILING WEST FINISH HEIGHT COUNTERTOP REMARKS	NUMBER NAME FLOOR BASE NORTH EAST SOUTH WEST FINISH HEIGHT COUNTERTOP	REMARKS
J0 EAST LOBBY	F.8 B.1 W.1 W.1 F.8 B.1 W.1 W.1	W.1 C.1 10'-4" C.1 10'-4"	B200 EAST STAIRS F.7 B.5 W.1 W.1 W.1 C.1 VARIES B201 FAST STUDENT F.8 B.1 W.1 W.1 W.1 C.1 10'-4"	
2 ALCOVE 3 1ST GRADE	F.8 B.1 W.1 W.1 F.8 B.1 W.1 W.1 W.1	W.1 C.1 10'-4" W.1 C.1 10'-0" W.1 C.1 10'-0"	B201 COLLABORATION F.8 B.1 W.1 W.1 W.1 O.1 10'-4" B202 CORRIDOR F.8 B.1 W.1 C.1 10'-4" Collaboration	
4 \$10. 5 T 6 1ST GRADE	F.1 B.1 W.1 W.1 W.1 F.3 B.4 W.4 W.4 W.4 F.8 B.1 W.1 W.1 W.1	W.1 C.1 8-0 W.4 C.3 8'-0" W.1 C.1 10'-0"	B203 ALCOVE F.0 B.1 W.1 W.1 W.1 IO 4 IO	
7 T 8 STO. 9 ALCOVE	F.3 B.4 W.4 W.4 W.4 F.1 B.1 W.1 W.1 W.1 F.8 B.1 W.1 W.1	W.4 C.3 8'-0" W.1 C.1 8'-0" W.1 C.1 10'-4"	B206 3RD GRADE F.8 B.1 W.1 W.1 W.1 C.1 10'-0" B207 STOR. F.1 B.1 W.1 W.1 W.1 C.1 10'-0" B208 ALCOVE F.8 B.1 W.1 W.1 C.1 8'-0"	
IO 1ST GRADE 11 STO. 12 T	F.8 B.1 W.1 W.1 W.1 F.1 B.1 W.1 W.1 W.1	W.1 C.1 10'-0" W.1 C.1 8'-0" W.4 C.2 8'-0"	B209 3RD GRADE F.8 B.1 W.1 W.1 W.1 C.1 10'-0" B210 STOR. F.1 B.1 W.1 W.1 W.1 C.1 10'-0" B211 COMPUTER LAB F.8 B.1 W.1 W.1 W.1 C.1 10'-0"	
12 1 13 CORRIDOR 114 WOMEN	F.8 B.1 W.1 W.1 F.3 B.4 W.4 W.4 W.4 W.4	W1.4 C.3 B-0 W.1 C.1 10'-4" W.4 C.3 10'-0"	B212 STO. F.1 B.1 W.1 W.1 W.1 C.1 8'-0" B213 JAN. F.1 B.1 W.1 W.1 W.1 C.3 8'-0" 6.3 6.4 6	
115 WOMEN 116 MEN 117 MEN	F.3 B.4 W.4 W.4 W.4 F.3 B.4 W.4 W.4 W.4 F.3 B.4 W.4 W.4 W.4 F.3 B.4 W.4 W.4 W.4	W.4 C.3 10'-0" W.4 C.3 10'-0" W.4 C.3 10'-0"	B214 ELEV. F.5 B.6 W.5 W.5 W.5 C.9 VARIES B215 IDF F.1 B.1 W.1 W.1 W.1 C.9 10'-0" B216 WKRM F.8 B.2 W.1 W.1 W.1 C.1 10'-0"	
118 MECH. 119 EQ. RM. 120 ELEV/	F.1 B.1 W.1 W.1 W.1 F.5 B.6 W.5 W.5 W.5 F.5 B.6 W.5 W.5 W.5	W.1 C.9 10'-0" W.5 C.9 VARIES W.5 C.9 VARIES	B217 STO. F.1 B.1 W.1 W.1 W.1 C.1 8'-0" B218 NORTH STAIRS F.7 B.5 W.1 W.1 W.1 C.1 VARIES B219 ALCOVE F.8 B.1 W.1 W.1 C.1 10'-4"	
20 ELEV: 121 MDF 122 WKRM	F.1 B.1 W.1 W.1 W.1 F.8 B.2 W.1 W.1 W.1	W.3 O.3 VARES W.1 C.6 VARIES W.1 C.1 10'-0"	B220 3RD GRADE F.8 B.1 W.1 W.1 W.1 C.1 10'-0" B221 STOR. F.1 B.1 W.1 W.1 W.1 C.1 10'-0" B221 STOR. F.1 B.1 W.1 W.1 W.1 C.1 8'-0"	
123 STO. 124 ALCOVE 125 KINDERGARTEN	F.1 B.1 W.1 W.1 W.1 F.8 B.1 W.1 W.1 W.1 F.8 B.1 W.1 W.1 W.1	W.1 C.1 10'-0" C.1 10'-4" W.1 C.1 10'-0"	B222 SRD GRADE F.8 B.1 W.1 W.1 W.1 C.1 10-0 Inc. Inc. B223 STOR. F.1 B.1 W.1 W.1 W.1 C.1 8'-0" Inc. Inc. <td></td>	
126 T. 127 STO. 128 NORTH STAIRS	F.3 B.4 W.4 W.4 W.4 F.1 B.1 W.1 W.1 W.1 F.7 B.5 W.1 W.1 W.1	W.4 C.3 8'-0" W.1 C.1 8'-0" W1 C.1 VARIES	B225 3RD GRADE F.8 B.1 W.1 W.1 W.1 C.1 10'-0" B226 STOR. F.1 B.1 W.1 W.1 W.1 C.1 10'-0" B227 3RD GRADE F.8 B.1 W.1 W.1 W.1 C.1 8'-0"	
120 North of All 129 ALCOVE 130 1ST GRADE	F.8 B.1 W.1 W.1 F.8 B.1 W.1 W.1 F.8 B.1 W.1 W.1	W.1 C.1 10'-4" W.1 C.1 10'-0" W.1 C.1 10'-0"	B228 STOR. F.1 B.1 W.1 W.1 W.1 C.1 8'-0" B229 MECH. F.5 B.6 W.5 W.5 W.5 C.9 VARIES D230 DOOKS F.1 D.1 W.1 W.1 W.1 C.1 8'-0"	
131 STO. 132 T. 133 1ST GRADE	F.1 B.1 W.1 W.1 W.1 F.3 B.4 W.4 W.4 W.4 F.8 B.1 W.1 W.1 W.1	W.1 C.1 8'-0" W.4 C.3 8'-0" W.1 C.1 10'-0"		
134 T. 135 STO. 136 ALCOVE	F.3 B.4 W.4 W.4 W.4 F.1 B.1 W.1 W.1 W.1 F.8 B.1 W.1 W.1	W.4 C.3 8'-0" W.1 C.1 8'-0" W.1 C.1 10'-4"		
137 1ST GRADE 138 STO. 120 T	F.8 B.1 W.1 W.1 W.1 F.1 B.1 W.1 W.1 W.1	W.1 C.1 10'-0" W.1 C.1 8'-0"		
140 1ST GRADE	F.8 B.1 W.1 W.1 W.1 F.3 B.4 W.4 W.4 W.4	W.1 C.1 10'-0" W.4 C.3 8'-0"		
142 STO. 143 MECH. 144 BOOKS	F.1 B.1 W.1 W.1 F.5 B.6 W.5 W.5 W.5 F.1 B.1 W.1 W.1 W.1	W.1 C.1 8'-0" W.5 C.9 VARIES W.1 C.6 VARIES		
EAST STAIRS	F.7 B.5 W.1 W.1 W.1	W.1 C.1 VARIES		
SCHEDULE	FINISHES KEY-FLOOR FINISH	SCHEDULE FINISHES KEY-BASE FINISH	SCHEDULE FINISHES KEY-WALL FINISH SCHEDULE FINISHES KEY-CEILIN Key Wall Einich	IG FINISH
V.C.T.		B.1 4" RUBBER COVE BASE	Wait filling Key Centrig Filling W.1 CMU SEALED & PAINTED C.1 2' X 2' LAY-IN ACOUSTICAL CEILING TILE SYSTEM	
NOT USED CERAMIC MOSAIC TILE (2" X NOT USED	2")	B.2 NOT USED B.3 NOT USED B.4 4-1/4" CERAMIC TILE COVE BASE	W.2 NOT USED W.3 NOT USED W.4 CERAMIC TILE 4-1/4" X 4-1/4" WAINSCOT UP TO FULLI HEIGHT	NG TILE
SEALED CONCRETE EXPOSED CONCRETE (TRO)	VEL FINISH)	B.5 RUBBER STRINGERS B.6 NONE	W.5 CMU SEALED W.6 NOT USED W.7 NOT USED	GRID SYSTEM (2 LAYERS)
	۲۵ 		W.1 NOT USED	
			C.10 EXPOSED STRUCTURE	

в				
_	F.1	V.C.T.	B.1	4" RUBBER CO\
	F.2	NOT USED	B.2	NOT USED
	F.3	CERAMIC MOSAIC TILE (2" X 2")	B.3	NOT USED
	F.4	NOT USED	B.4	4-1/4" CERAMIC
	F.5	SEALED CONCRETE	B.5	RUBBER STRIN
	F.6	EXPOSED CONCRETE (TROWEL FINISH)	B.6	NONE
	F.7	RUBBER TREADS AND RISERS		
	F.8	STAINED CONCRETE		
^			 	
А				
	L			
			-	

					WA	LLS		CEII	LING			
IUMBER	NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	FINISH	HEIGHT	COUNTERTOP	REMARKS	
A200	WEST STAIRS	F.7	B.5	W.1	W.1	W.1	W.1	C.1	VARIES			
A201	WEST STUDENT COLLABORATION	F.8	B.1	W.1	W.1	W.1	W.1	C.1	10'-4"			
A202	BOOKS	F.1	B.1	W.1	W.1	W.1	W.1	C.6	VARIES			
A203	MECH.	F.5	B.6	W.5	W.5	W.5	W.5	C.9	VARIES			
A204	CORRIDOR	F.8	B.1	W.1		W.1		C.1	10'-4"			
A205	ALCOVE	F.8	B.1	W.1	W.1		W.1	C.1	10'-4"			
A206	2ND GRADE	F.8	B.1	W.1	W.1	W.1	W.1	C.1	10'-0"			
A207	STOR.	F.1	B.1	W.1	W.1	W.1	W.1	C.1	8'-0"			
A208	2ND GRADE	F.8	B.1	W.1	W.1	W.1	W.1	C.1	10'-0"			
A209	STOR.	F.1	B.1	W.1	W.1	W.1	W.1	C.1	8'-0"			
A210	ALCOVE	F.8	B.1	W.1	W.1		W.1	C.1	10'-4"			
A211	2ND GRADE	F.8	B.1	W.1	W.1	W.1	W.1	C.1	10'-0"			
A212	STOR.	F.1	B.1	W.1	W.1	W.1	W.1	C.1	8'-0"			
A213	2ND GRADE	F.8	B.1	W.1	W.1	W.1	W.1	C.1	10'-0"			
A214	STOR.	F.1	B.1	W.1	W.1	W.1	W.1	C.1	8'-0"			
A215	SOUTH STUDENT COLLABORATION	F.8	B.1		W.1	W.1	W.1	C.1	10'-4"			
A216	LAVS.	F.3	B.4	W.4	W.4	W.4	W.4	C.3	10'-0"			
A217	GIRLS	F.3	B.4	W.4	W.4	W.4	W.4	C.3	10'-0"			
A218	CHASE	F.5	B.6	W.5	W.5	W.5	W.5	C.10	VARIES			
A219	LAVS.	F.3	B.4	W.4	W.4	W.4	W.4	C.3	10'-0"			
A220	BOYS	F.3	B.4	W.4	W.4	W.4	W.4	C.3	10'-0"			
A221	ALCOVE	F.8	B.1		W.1	W.1	W.1	C.1	10'-4"			
A222	2ND GRADE	F.8	B.1	W.1	W.1	W.1	W.1	C.1	10'-0"			
A223	STOR.	F.1	B.1	W.1	W.1	W.1	W.1	C.1	8'-0"			
A224	ALCOVE	F.8	B.1		W.1	W.1	W.1	C.1	10'-4"			
A225	2ND GRADE	F.8	B.1	W.1	W.1	W.1	W.1	C.1	10'-0"			
A226	STOR.	F.1	B.1	W.1	W.1	W.1	W.1	C.1	8'-0"			
A227	2ND GRADE	F.8	B.1	W.1	W.1	W.1	W.1	C.1	10'-0"			
A228	STOR.	F.1	B.1	W.1	W.1	W.1	W.1	C.1	8'-0"			

									DOOR S	CHEDUL	E - First I	loor Area '	'A"													DOOR S	SCHEDUL	_E - S
					DOOF		SIONS		DOOR			DOOR FRAM	ЛЕ	DO	OR DET	AILS					DOO	R DIMENS	SIONS		DOOR			DOOF
м	Ma	nrk	Pair or Sinale	Opening	Width	Height	Thick-	Door	Door	Door	Frame	Frame	Frame	Head	Sill	Jamb	Fire Rating	Remarks	Mar	Pair o Single	r Ə Width	Height	Thick-	Door	Door	Door	Frame	Fra
				Width	width	neight	ness	Туре	Material	Finish	Туре	Material	Finish	neau	511	Jamp	Rating				viati	I Height	ness	Туре	Material	Finish	Туре	Mat
	A100		Pair	6' - 0"	3' - 0"	7' - 0"	1 3/4"	A	Aluminum	Bronze	G	Aluminum	Bronze	3/A6.2	9/A6.1	8/A6.1			A202	Single	3' - 0"	7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	Holle
	A103	A	Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	F	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	4/A6.3	6/A6.3	5/A6.3			A205	Single	3' - 0"	7' - 0"	1 3/4"	F	Solid Core Wood	Natural	D	Holle
	A103		Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	4/A6.3	6/A6.3	5/A6.3			A207 A208	Single	3' - 0"	7' - 0"	1 3/4" 1 3/4"	F	Solid Core Wood Solid Core Wood	Natural	D	
	A105 A106	A A	Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	4/A6.3 4/A6.3	6/A6.3 6/A6.3	5/A6.3 5/A6.3			A209 A211	Single Single	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E F	Solid Core Wood Solid Core Wood	Natural Natural	D D	Holle Holle
L	A106 A107	B ,	Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	4/A6.3 4/A6.3	6/A6.3 6/A6.3	5/A6.3 5/A6.3			A212 A213	Single Single	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E F	Solid Core Wood Solid Core Wood	Natural Natural	D D	Holle
	A108 A110		Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E F	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	4/A6.3 4/A6.3	6/A6.3 6/A6.3	5/A6.3 5/A6.3			A214 A218	Single	3' - 0" 2' - 4"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E D	Solid Core Wood Solid Core Wood	Natural Natural	D C	Holle
	A111 A112	2	Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	4/A6.3 4/A6.3	6/A6.3 6/A6.3	5/A6.3 5/A6.3			A222	Single	3' - 0"	7' - 0"	1 3/4" 1 3/4"	F	Solid Core Wood	Natural	D	Holle
-	A113	Δ	Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	4/A6.3	6/A6.3	5/A6.3		3/4 HR FIRE LABEL	A225	Single	3' - 0"	7' - 0"	1 3/4"	F	Solid Core Wood	Natural	D	Holle
	A115		Pair	6' - 4"	3' - 0"	7'-0"	1 3/4"	A	Aluminum	Bronze	F	Aluminum	Bronze	7/A6.1	8/A6.1	9/A6.1		3/4 HN. HINE LADEL	A226 A227	Single	3' - 0"	7' - 0"	1 3/4" 1 3/4"	F	Solid Core Wood Solid Core Wood	Natural	D	
	A116	; ,	Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	F	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	4/A6.3	6/A6.3	5/A6.3			A228	Single	3' - 0"	7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	Holld
K	A117 A118	;	Single	3'-0"	3'-0"	7'-0"	1 3/4"	E	Solid Core Wood Solid Core Wood	Natural	D	Hollow Mtl.	Paint	4/A6.3	6/A6.3	5/A6.3 5/A6.3												
	A120 A121		Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	4/A6.3 4/A6.3	6/A6.3 6/A6.3	5/A6.3 5/A6.3												
	A123 A123	B B	Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	4/A6.3 4/A6.3	6/A6.3 6/A6.3	5/A6.3 5/A6.3												
-	A124 A125		Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	4/A6.3 4/A6.3	6/A6.3 6/A6.3	5/A6.3 5/A6.3												
	A126	; ,	Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	F	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	4/A6.3	6/A6.3	5/A6.3										DOOR	SCHEDUI	_E - S
	A127 A128		Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	E	Solid Core Wood Solid Core Wood	Natural	D	Hollow Mtl.	Paint	4/A6.3	6/A6.3	5/A6.3				Daira	DOO	R DIMENS	SIONS		DOOR		I	JOOR
	A130 A130	B	Single	3' - 0"	3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E	Solid Core Wood Solid Core Wood	Natural	D	Hollow Mtl.	Paint	4/A6.3 4/A6.3	6/A6.3 6/A6.3	5/A6.3 5/A6.3			Mar	k Single	r € Width	n Heiaht	Thick-	Door	Door	Door	Frame	Fra
	A131 A132	2	Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	4/A6.3 4/A6.3	6/A6.3 6/A6.3	5/A6.3 5/A6.3				9_9			ness	Туре	Material	Finish	Туре	Mat
	A133 A134		Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	4/A6.3 4/A6.3	6/A6.3 6/A6.3	5/A6.3 5/A6.3			B204	Single	3' - 0"	7' - 0"	1 3/4"	F	Solid Core Wood	Natural	D	Holle
-	A135	;	Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	4/A6.3	6/A6.3	5/A6.3			B205 B206	Single	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E F	Solid Core Wood Solid Core Wood	Natural Natural	D	Holle
	A130	,	Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	4/A6.3	6/A6.3	5/A6.3		1 HR. FIRE LABEL	B207 B209	Single Single	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E F	Solid Core Wood Solid Core Wood	Natural Natural	D D	Holle Holle
	A139		Pair	6' - 0"	3' - 0"	7' - 0"	1 3/4"	В	Galv. Hollow Metal	Paint	A	Galv. Hollow Mtl.	Paint	1/A6.3	3/A6.3	2/A6.3			B210 B211	Single Single	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Holle
Н																			B212 B213	Single	3' - 0"	7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	Holle
																			B215 B215	Single	3' - 0"	7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	
																			B216 B217	Single	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Holle
-																			B220 B221	Single Single	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Holle Holle
									DOOR S	CHEDULI	E - First F	loor Area "	'B"						B222 B223	Single Single	<u> </u>	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Holle
					DOOR		SIONS		DOOR			DOOR FR	AME		DOOR	DETAILS			B225 B226	Single Single	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F	Solid Core Wood Solid Core Wood	Natural Natural	D D	Holle
G	Ma	rk	Single	Opening	Width	Heiaht	Thick-	Door	Door	Door	Frame	Frame	Fram		ad S	ill Ja	mb Rat	ing Remarks	B227 B228	Single Single	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F	Solid Core Wood Solid Core Wood	Natural Natural	D D	Holle
				Width			ness	Туре	Material	Finish	Туре	Material	Finis	sh					B229 B230	Pair Single	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	C E	Hollow Mtl. Solid Core Wood	Paint Natural	B	Holle
	B100/	Ą	Pair	6' - 0"	3' - 0"	7' - 0"	1 3/4"	А	Aluminum	Bronze Anodized	G	Aluminum	Bronze An	odized 3/A6.	2 SIM. 9/#	A6.1 8//	A6.1					- 1 - 1		1 1		1	1 1	
	B100	В	Pair	6' - 0"	3' - 0"	7' - 0"	1 3/4"	А	Aluminum	Bronze Anodized	G	Aluminum	Bronze And	odized 3/A6.	2 SIM. 9/A	A6.1 8//	46.1											
	B103/ B103	A B	Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F	Solid Core Wood Solid Core Wood	Natural Natural	D	Hollow Mtl. Hollow Mtl.	Paint Paint	t 4/A t 4/A	A6.3 6/A	A6.3 5//	A6.3 A6.3											
F	B104		Single	3' - 0" 3' - 0"	3' - 0"	7' - 0" 7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	t 4/A	A6.3 6/A	A6.3 5//	A6.3											
	B106/	A	Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	F	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	t 4/A	A6.3 6/A	A6.3 5//	A6.3											
	B100	D	Single	3' - 0"	3'-0"	7'-0"	1 3/4"	E	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	t 4//	A6.3 6/A	A6.3 5//	A6.3											
	B108 B110		Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E F	Solid Core Wood Solid Core Wood	Natural Natural	D	Hollow Mtl. Hollow Mtl.	Paint Paint	t 4/A t 4/A	A6.3 6/A A6.3 6/A	A6.3 5// A6.3 5//	46.3 46.3											
	B111 B112		Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	t 4/A t 4/A	A6.3 6/A A6.3 6/A	A6.3 5// A6.3 5//	A6.3 A6.3											
	B114 B115		Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E	Solid Core Wood Solid Core Wood	Natural Natural	D	Hollow Mtl. Hollow Mtl.	Paint Paint	t 4/A t 4/A	A6.3 6/A	A6.3 5//	A6.3 A6.3				-	6' - 0"			-	6' - 0"		
E	B116 B117		Single	3' - 0" 3' - 0"	3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E	Solid Core Wood	Natural Natural	D	Hollow Mtl.	Paint	t 4/A t 4/A	A6.3 6/A	A6.3 5//	A6.3				_	3' - 0"	3' - 0"		-	3' - 0"	3' - 0"	
	B118		Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	C	Solid Core Wood	Natural	C C	Hollow Mtl.	Paint	t 4//	A6.3 6/A	A6.3 5//	A6.3							\	 			,
	B119 B121		Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	E	Solid Wood Core Solid Core Wood	Natural	D	Hollow Mtl.	Paint	t 4/A	A6.3 6/A	A6.3 5//	A6.3			GL	ASS AS							
	в122 B123		Single	3 - 0" 3' - 0"	3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	ι 4/Α t 4/Α	46.3 6/A	46.3 5//	46.3			SP	ECIFIED -							
	B124 B126		Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	t 4/A t 4/A	A6.3 6/A A6.3 6/A	A6.3 5// A6.3 5//	A6.3 A6.3							7' - 0"				7' - 0"
	B127 B130/	A	Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E F	Solid Core Wood Solid Core Wood	Natural Natural	D	Hollow Mtl. Hollow Mtl.	Paint Paint	t 4/F t 4/F	A6.3 6/A	A6.3 5//	A6.3											
D	B130E B131	В	Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E	Solid Core Wood Solid Core Wood	Natural Natural	D	Hollow Mtl. Hollow Mtl.	Paint Paint	t 4/A t 4/A	A6.3 6/A	A6.3 5//	A6.3 A6.3											
	B132 B133		Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E	Solid Core Wood Solid Core Wood	Natural Natural	D	Hollow Mtl. Hollow Mtl.	Paint	t 4/A t 4/A	A6.3 6/A	A6.3 5//	A6.3 A6.3							*	111	GALVANI		
	B134		Single	3' - 0" 3' - 0"	3' - 0"	7' - 0" 7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	t 4/A	A6.3 6/A	A6.3 5//	A6.3					STOREFR	ONT			HOLLOW M	ETAL	
	B135	A	Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	F	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	t 4//	A6.3 6/A	A6.3 5//	A6.3					Â)			B		
	B1376 B138	8	Single	3' - 0" 3' - 0"	3' - 0"	7' - 0" 7' - 0"	1 3/4"	E	Solid Core Wood Solid Core Wood	Natural	D	Hollow Mtl. Hollow Mtl.	Paint	t 4// t 4//	A6.3 6/A A6.3 6/A	A6.3 5// A6.3 5//	46.3 46.3					\bigcirc				\bigcirc		
	B139 B140		Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E F	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	t 4/A t 4/A	A6.3 6/A A6.3 6/A	A6.3 5// A6.3 5//	A6.3 A6.3				_	3' - 0"			3' - 0"			- / '
c	B141 B142		Single Single	3' - 0" 3' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	E	Solid Core Wood Solid Core Wood	Natural Natural	D D	Hollow Mtl. Hollow Mtl.	Paint Paint	t 4// t 4//	A6.3 6/A	A6.3 5// A6.3 5//	46.3 46.3								8" 6" 1' - 10"			
	B143/ B143/	A B	Pair Pair	6' - 0" 6' - 0"	3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	C B	Hollow Mtl. Galv. Hollow Metal	Paint Paint	B	Hollow Mtl. Galv. Hollow M	Paint tl. Paint	t 4// t 1//	A6.3 6/A	A6.3 5//	A6.3 A6.3	SMOKE SEALS					,					
	B144		Single	3' - 0"	3' - 0"	7' - 0"	1 3/4"	E	Solid Core Wood	Natural	D	Hollow Mtl.	Paint	t 4//	A6.3 6/A	A6.3 5//	A6.3	1 HR. FIRE LABEL										
																								GLASS AS SPECIFIED		- 10"		
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ADDENDUM No. 1

DATE: June 1, 2018

PROJECT: H.C.I.S.D. Treasure Hills Elementary School 2018-2019 Classroom Additions and Renovations

CIVIL ENGINEER:

M GARCIA ENGINEERING, LLC

NOTICE:

- A. The following changes, omissions or alterations to the specifications and drawings shall be made and insofar as the specifications and drawings are inconsistent with the following, this addendum shall govern.
- B. Acknowledge receipt of this addendum by inserting its number and date of issue in the place provided for the same in the proposal. This addendum forms a part of the Contract Documents.
- C. It is imperative that this addendum be inserted INTO set of Specifications.

I. Revised Construction Drawings

A. C3.0 – Utility Layout

a. Revised Utility Layout in accordance with HWWS standards and requirements.

B. C3.1 – Utility Details

- a. Replaced Typ. Service Connection w/ Meter Box Detail with HWWS standard 2" Water Service Detail.
- b. Replaced Manhole Ring and Cover Details with HWWS standard.
- c. Added trench width table to Sanitary Sewer Pipe Bedding Detail.
- d. Added Gate Valve Detail.
- e. Added Typical Sewer Service Detail.
- f. Added HWWS Standard Fire Hydrant Installation Detail.

C. C4.0 – Paving & Grading Layout

- a. Adjusted proposed grades to accommodate revised site plan.
- b. Removed valley gutters and curb cuts.
- c. Added storm sewer system.

D. C4.1 – Paving & Grading Details

- a. Removed Typical Curb Cut w/ Spillway Detail.
- b. Revised Curb and Gutter Detail.
- c. Added Type 'A' Inlet Detail.
- d. Added Type 'C' Inlet Detail.
- e. Added Type 'C-C' Inlet Detail.
- f. Added Type 'M' Manhole w/ Access Detail.
- g. Added Storm Sewer Pipe Trench Bedding Detail.

M GARCIA ENGINEERING, LLC

TBPE Firm Reg. # F-9828

400 NOLANA SUITE H2 McALLEN, TX 78504 PH 956.687.9421 FX 956.687.3211

M GARCIA ENGINEERING

- h. Added Access Drive Typical Section.
- i. Added Typical Concrete Joints Detail.

E. Erosion & Sediment Control Plan

- a. Added inlet protection at all proposed grate inlets.
- b. Added erosion control log to proposed curb inlets.

F. Erosion & Sediment Control Details

a. Added Erosion Control Log Detail.

MA

M GARCIA ENGINEERING, LLC TBPE Firm Reg. # F-9828 400 NOLANA SUITE H2 McALLEN, TX 78504 PH 956.687.9421 FX 956.687.3211

ROLLED EROSION CONTROL PRODUCT TO BE CLOSED AND SECURED WITH HOG RING

MANHOLE

2

10

11

TRINITY MEP ENGINEERING

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ADDENDUM #1

Architect: ROFA ARCHITECTS Project Name: TREASURE HILLS ELEMENTARY SCHOOL 2018-2019 CLASSROOM ADDITIONS AND RENOVATIONS Project Number: 18.1.38

Date: 6/1/2018

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/A
- III. Mechanical:
 - A. Sheet MS1.1 Revised Chiller Yard, refer to attached.
 - B. Sheet M1.7 Revised Chiller Yard, refer to attached.
- IV. Electrical:
 - A. Sheet ES1.1 Revised layout, refer to attached.
 - B. Sheet E1.1 Revised light fixture schedule, refer to attached.
 - C. Sheet E1.3 Revised layout, refer to attached.
 - D. Sheet E1.5 Keyed note #1 shall read, "VIA LCP2."
 - E. Sheet E1.6 Keyed note #1 shall read, "VIA LCP2."
 - F. Sheet E2.3 Room ELECT.-A113A, Fire Alarm Control Panel circuit shall be C2-59.
 - G. Sheet E2.4 Revised layout, refer to attached.
 - H. Sheet E4.0 Revised layout, refer to attached.
 - I. Sheet E4.1 Revised layout, refer to attached.
 - J. Sheet E5.0 Revised panel schedule and disconnect schedule, refer to attached.
 - K. Sheet E5.1 Revised panel schedule, refer to attached.
 - L. Sheet E8.2 Added electrical details, refer to attached.
- V. Plumbing:
 - A. Sheet P2.1 Revised Chiller Yard, refer to attached.
- VI. Fire Protection:
 - A. Sheet FP1.1 Revised Chiller Yard, refer to attached.

WEIGH	IT OF CHILLED WATER PIPING
Key Name	WEIGHT OF PIPE FILLED WITH WATER (LBS/SF)
1/0" INI	E L D C
1/2 IN. 1" IN.	3 LBS
1 1/2" IN.	2 LBS
2" IN.	9 LBS
2 1/2" IN.	6 LBS
3" IN.	12 LBS
4" IN.	17 LBS
6" IN.	33 LBS
8" IN.	55 LBS

X

ERAL ELECTRICAL NOTES (TO	O ALL SHEETS)	м	architects
ACTOR TO VERIFY ALL EXISTING MAIN POWER SERVICES DINATE WITH POWER COMPANY FOR ALL NEW REQUIRE ASSOCIATED. CONTRACTOR SHALL INCLUDE ANY COS FORMER AND OTHER ASSOCIATED FEES IN BID. CONTRA VSIBLE TO VERIFY ALL FEES WITH POWER COMPANY AND ONTRACTOR IS RESPONSIBLE TO COORDINATE WITH PO THE CONTRACT IS AWARDED TO ORDER TRANSFORMER ICAL SERVICE EQUIPMENT AS SOON AS POSSIBLE.	S AND EMENTS AND ALL T FOR THE NEW ACTOR IS D TO INCLUDE IN WER COMPANY AS 2 AND THE RELATED	L	Rike • Ogden • Figueroa • Allex MCAllen 1007 Walnut Ave. McAllen, Texas 78501 V. 956.686.7771 F. 956.687.3433 www.rofainc.com McAllen Harlingen
ACTOR IS RESPONSIBLE FOR ALL EXCAVATION, TRENCH LLING. COORDINATE WITH ALL UTILITIES PRIOR TO EXCA	IING AND AVATION.		COPYRIGHT ROFA ARCHITECTS 2018
ACTOR TO VERIFY ALL EXISTING MAIN TELEPHONE SERV DINATE WITH TELEPHONE COMPANY FOR ALL REQUIREM ASSOCIATED. INCLUDE ALL COST IN BID. CONDUIT FROM HALL BE FURNISHED AND INSTALLED BY ELECTRICAL CO	ICES AND 1ENTS AND ALL M MAIN TELEPHONE NTRACTOR.		* °°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°
CTRICAL EQUIPMENT OUTDOORS SHALL BE RATED TYPE WISE NOTED.	NEMA 3R UNLESS	к	LEONARDO MUNOZ
ACTOR SHALL HAVE A WORKING KNOWLEDGE OF LOC ANCES. ALL WORK SHALL CONFORM TO NATIONAL ELE LL OTHER AUTHORITY HAVING JURISDICTION. OBTAIN F ES. PERFORM MODIFICATIONS TO MEET CODE AND OR EMENTS AT NO ADDITIONAL COST TO OWNER, ARCHIT PRIOR TO BID DATE.	CAL CODES AND ECTRICAL CODES PERMITS AND PAY 2DINANCE ECT OR ENGINEER.		TRINICY MEP ENGINEERING
AT JOB SITE THE EXACT LOCATIONS OF STRUCTURAL ME , COLUMNS, ETC. TO LOCATE EQUIPMENT CONDUIT, PA ATIONS FROM THE DRAWING ARE NECESSARY TO MEET TIONS MAKE DEVIATIONS WITHOUT ADDITIONAL COST, TECT, OR ENGINEER.	EMBERS SUCH AS ANELS AND DEVICES. STRUCTURAL TO OWNER,	1	3533 Moreland Dr. Ste A I Weslaco, Tx 78596 p:956.973.0500 I f:956-351-5750 www.trinitymep.com I Copyright 2018 Texas Registered Engineering Firm - F10362 Project number: 18.1.38
DPERATION WITH OTHER CONTRACTORS, DETERMINE TH JIPMENT AND DEVICES AND CONNECTIONS THERETO BY TALS AND ROUGH-IN DRAWINGS. AND BY MEASUREME	E EXACT LOCATION Y REFERENCE TO THE NTS AT THE SITE.		
O ALL OTHER TRADES SUBMITTAL FOR ELECTRICAL INFO ND ENTIRE ELECTRICAL SYSTEM IN STRICT ACCORDANCE NAL ELECTRICAL CODE.	RMATION. E WITH THE		
AT JOB SITE GENERAL WORK TO BE DONE AS SPECIFIED ED FOR INSTALLATION ELECTRICAL SYSTEMS PRIOR TO S	, AS NOTED, OR AS UBMISSION OF BIDS.	H	
ACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND ED AND REPLACED BEFORE SUBMITTING HIS BID.	EQUIPMENT TO BE		
ICAL DRAWINGS ARE DIAGRAMMATIC AND SMALL SCA EY THE INTENT OF THE WORK BUT DO NOT SHOW DETAIL ON AND PULL BOXES REQUIRED BY THE SPECIFICATIONS VAL ELECTRICAL CODE(NEC). PROVIDE ALL MATERIALS OF FOR IN THE SPECIFICATIONS AND AS REQUIRED IN THE APLETE INSTALLATION OF ALL WORK.	ALE ONLY. THEY SUCH AS S AND THE AND METHODS NEC TO PROVIDE	G	
RING SHALL BE COPPER.	N-SHRINKING		
IAL IMMEDIATELY UPON FILLING OF THE OPENING WITH	PIPE OR CONDUIT.		τZ
ES SHALL BE NOMINALLY 120/240V, 1-PHASE, 3-WIRE FR LETE SYSTEM OF TEMPORARY POWER AND LIGHTING SH L CONSTRUCTION NEEDS.	OM WHICH A IALL BE PROVIDED	F	dendum #
IRACTOR IS RESPONSIBLE TO VERIFY AND COORDINATE OUND UTILITIES PRIOR TO ANY WORK.	WITH EXISTING/NEW		Ado
IRACTOR IS RESPONSIBLE CALL DIG-TESS; 1-1800-DIG-TE ICE.	SS 2-BUSINESS DAYS		TE 18
NOTES: ELECTRICAL	\frown		
NER COMPANY PAD MOUNTED TRANSFORMER. PROVIDE ETE PAD PER POWER COMPANY STANDARDS. COORDINATE ID INSTALLATION WITH POWER COMPANY PRIOR TO BID DATE. NATE EXACT LOCATION WITH POWER COMPANY PRIOR TO ANY N.	12 CONTRACTOR TO PROVIDE AND INSTALL (1)-4" PVC CONDUIT FROM PROPOSED NEW UTILITY COMPANY POWER POLE WITH RISER DIP POLE TO NEW PAD MOUNT TRANSFORMER. ALL UNDERGROUND WORK SHALL BE ACCORDING TO POWER COMPANY STANDARDS. VERIFY ALL REQUIREMENTS WITH THE POWER COMPANY BEFORE ANY ROUGH-IN, COORDINATE LOCATION, COST, AND INSTALLATION	E	
CTOR TO PROVIDE AND INSTALL (1)-4" PVC CONDUIT FROM POWER COMPANY PULLSTATION TO NEW PAD MOUNT RMER. ALL UNDERGROUND WORK SHALL BE ACCORDING TO COMPANY STANDARDS. VERIFY ALL REQUIREMENTS WITH THE COMPANY BEFORE ANY ROUGH-IN. COORDINATE LOCATION, ID INSTALLATION WITH POWER COMPANY PRIOR TO BID.	WITH POWER COMPANY PRIOR TO BID. (13) CONTRACTOR TO PROVIDE AND INSTALL PVC CONDUIT FROM NEW ELECTRICAL SWITCHBOARD-MSB TO EXISTING BUILDINGS. REFER TO ELECTRICAL RISER DIAGRAM.		ARY OOM NDEN NDEN
AEP PULLSTATION. FIELD VERIFY EXISTING CONDITIONS.	 PROVIDE NEW INGRADE ELECTRICAL PULL BOX. SIZE BOX AS NEEDED FOR NUMBER OF CONDUITS. CONTRACTOR SHALL INCLUDE ALL COST IN BID TO BORE UNDER 		NT SSR PEPE
MDF ROOM LOCATION.	$\underbrace{\left<}_{16}\right> CONDUITS STUB UP ALONG EXISTING WALL. LOCATION "A".$	D	
WER COMPANY PULLSTATION. COORDINATE EXACT	(17) CONDUITS STUB UP ALONG EXISTING WALL. LOCATION "B". (18) STUB UP CONDUITS ALONG EXISTING WALL. PROVIDE J-BOXES AND		
CTOR TO PROVIDE AND INSTALL (3)-4"PVC CONDUIT FOR NICATION SERVICES(TELEPHONE, CABLE, FIBER, ETC) D WITH PULLSTRING, AND TURNED UP AND CAPPED AT BOTH EPTH OF CONDUIT SHALL BE A MINIMUM OF 36". VERIFY ALL MENTS WITH LOCAL UTILITIES BEFORE ROUGH-IN.	ROUTE CONDUIT TO CANOPY CEILING LEVEL. (19) ROUTE CONDUITS BELOW CANOPY. PROVIDE CONDUIT SUPPORTS. (20) CORE DRILL EXISTING WALL FOR NEW CONDUITS SEAL AROUND CONDUIT OPENING.		S-2019 ND RE Solida
NATE EXACT LOCATION PRIOR TO ANY WORK. EPHONE PEDESTAL. VERIFY ALL REQUIREMENTS PRIOR TO ANY NS.	21 SHALL BE CONTROLLED VIA LCP.	С	
NEW COMMUNICATION INGRADE PULLBOX, REFER TO DETAIL.	22 PROVIDE 2-2"C WITH PULLSTRINGS FOR HVAC CONTROLS. STUB UP ON BOTH ENDS 36"AFF AND PROVIDE J-BOXES FOR EACH RACEWAY LABELED FOR HVAC CONTROLS.		L 2 N C N C N C N C N C N C N C N C N C N C
3-2"C AND 1-4"C FOR COMMUNICATION. CTOR TO PROVIDE AND INSTALL PVC CONDUIT FROM NEW	23 PROVIDE 2-2°C WITH PULLSTRINGS FOR COMMUNICATION. STUB UP ON BOTH ENDS 36"AFF AND PROVIDE J-BOXES FOR EACH PAGEWAY LABELED FOR COMMUNICATION.		
ANSFORMER TO NEW ELECTRICAL SERVICE EQUIPMENT PER COMPANY STANDARDS. VERIFY ALL REQUIREMENTS PRIOR TO JGH-IN. REFER TO ELECTRICAL RISER DIAGRAM.	LIGHT FIXTURE MOUNTED IN THE DESIGNATED AREA ALLOWED BY THE CANOPY DESIGN. 25 EXISTING GYM RTU LOCATION.		ARL CHO CHO CHO CHO
	REMOVE EXISTING CIRCUIT AND DISCONNECT FROM EXISTING RTU AND PROVIDE WITH NEW DISCONNECT AND PROVIDE NEW CIRCUIT AT PANEL OP AS INDICATED. FIELD VERIES EVISTING	D	⊢のく ヹる PROJECT NO: 2017.12
	CONDITIONS PRIOR TO ANY WORK.		DATE: 6/01/2018 11:41:56 AM STARTING DATE: 09/05/2017
			CK BY:Checker DWN BY: Author ELECTRICAL OVERALL- SITE PLAN
		A	ES1_1

			Light Fixture Schedule		
Tag	Lamp	Voltage	Mounting Description	Manufacturer	Model
Α	LED (4327LM) (35W)	120V	RECESSED 2X4 LAY-IN LED TROFFER WITH LENS AND LED DRIVER INCLUDE ALL NECESSARY MOUNTING ACCESSORIES.	LITHONIA LIGHTING	2FSL440LMVOLT-EZ1-LP835
A1E	LED (4327LM) (35W)	120V	RECESSED 2X4 RECESSED LED TROFFER WITH LENS AND LED DRIVER AND EMERGENCY BATTERY BACKUP INCLUDE ALL NECESSARY MOUNTING ACCESSORIES.	LITHONIA LIGHTING	2FSL440LMVOLT-EZ1-LP835EL14L-DGA24 FS/VT
A2	LED (4397LM) (39W)	120V	RECESSED 2X4 LAY-IN LED TROFFER WITH LENS AND LED DRIVER INCLUDE ALL NECESSARY MOUNTING ACCESSORIES.	LITHONIA LIGHTING	2FSL240LMVOLT-EZ1-LP835
A3E	LED (5474LM) (45W)	120V	RECESSED 2X4 LAY-IN LED TROFFER WITH LENS AND LED DRIVER AND EMERGENCY BATTERY BACKUP INCLUDE ALL NECESSARY MOUNTING ACCESSORIES.	LITHONIA LIGHTING	2FSL460LMVOLT-EZ1-LP835EL14L
AE	LED (4327LM) (35W)	120V	RECESSED 2X4 LAY-IN LED TROFFER WITH LENS AND LED DRIVER AND EMERGENCY BATTERY BACKUP INCLUDE ALL NECESSARY MOUNTING ACCESSORIES.	LITHONIA LIGHTING	2FSL440LMVOLT-EZ1-LP835EL14L
В	LED (4947LM) (40W)	120V	RECESSED 2X4 LAY-IN LED TROFFER WITH LENS AND LED DRIVER INCLUDE ALL NECESSARY MOUNTING ACCESSORIES.	LITHONIA LIGHTING	2FSL448LMVOLT-EZ1-LP835
B2	LED (4397LM) (39W)	120V	RECESSED 2X2 LAY-IN LED TROFFER WITH LENS AND LED DRIVER INCLUDE ALL NECESSARY MOUNTING ACCESSORIES.	LITHONIA LIGHTING	2FSL240LMVOLT-EZ1-LP835
B2E	LED (4397LM) (39W)	120V	RECESSED 2X2 LAY-IN LED TROFFER WITH LENS AND LED DRIVER INCLUDE ALL NECESSARY MOUNTING ACCESSORIES. WITH EMERGENCY BATTERY BACKUP	LITHONIA LIGHTING	2FSL240LMVOLT-EZ1-LP835EL14L
BE	LED (4397LM) (40W)	120V	RECESSED 2X4 LAY-IN LED TROFFER WITH LENS AND LED DRIVER INCLUDE ALL NECESSARY MOUNTING ACCESSORIES. WITH EMERGENCY BATTERY BACKUP	LITHONIA LIGHTING	2FSL448LMVOLT-EZ1-LP835EL14L
С	LED (5047LM) (35W)	120V	SURFACE 4' LED STRIP LIGHT FIXTURE, 0-10V DRIVER, UL LISTED, WITH WIREGUARD	LITHONIA LIGHTING	CLX-L48-5000LM-SEF-FDL-MVOLT-GZ10-40K-80CR
CE	LED (5047LM) (35W)	120V	SURFACE 4' LED STRIP LIGHT FIXTURE, 0-10V DRIVER, UL LISTED, WITH WIREGUARD WITH EMERGENCY BATTERY BACK UP.	LITHONIA LIGHTING	CLX-L48-5000LM-SEF-FDL-MVOLT-GZ10-40K-80CR I-PS1050-SPD
D	LED (1500LM) (XXW)	120V	RECESSED 6"LED OPEN DOWN- LUMINAIRE, SEMI-SPECULAR REFLECTOR, WITH 0-10V DRIVER	LITHONIA LIGHTING	LDN6_40/15_LO6AR_LSS-MVOLT-EZ10
F	LED (4500LM) (172W)	120V	SURFACE 14' LED WALL BRACKET SURFACE MOUNT LIGHT FIXTURE, 0-10V DRIVER, UL LISTED	FINELITE LIGHTING	HP-4-WM-ID-14'-H-H-840-F-F-120V-MB-SC-
FE	LED (4500LM) (172W)	120V	SURFACE 14' LED WALL BRACKET SURFACE MOUNT LIGHT FIXTURE, 0-10V DRIVER, UL LISTED. INCLUDE REMOTE BATTERY BACKUP	FINELITE LIGHTING	HP-4-WM-ID-14'-H-H-840-F-F-120V-MB-SC- (REMOTE BATTERY BACKUP)
G	LED (4799LM) (45W)	120V	SURFACE 4' LED WRAPAROUND FIXTURE WITH LENS AND LED DRIVER. COORDINATE ALL REQUIRED MOUNTING ACCESSORIES.	LITHONIA LIGHTING	LBL4-4000LM-80CRI-35K-MN1-GZT-MVOLT
GE	LED (4799LM) (45W)	120V	SURFACE 4' LED WRAPAROUND FIXTURE WITH LENS, LED DRIVER AND BATTERY BACKUP. COORDINATE ALL REQUIRED MOUNTING ACCESSORIES.	LITHONIA LIGHTING	LBL4-4000LM-80CRI-35K-MN1-GZT-MVOLT-EL14L
XI	INCLUDED	12,00	SURFACE, THERMOPLASHCEXIT/EMERGENCY UNIT WITH SELF-DIAGNOSTICS	DUAL-LITE	EVEURWEI-EVC
X2	NCLUDED Y Y	120V		LITHONIA LIGHTING	LHQM LÊDR SD V V
AA	1-LED (9267 LM) (71W)	120V	POLE LED AREA POLE MOUNTED LIGHT FIXTURE, INCLUDE BASE COVER, RATED FOR WET LOCATIONS AND LOCAL EPA WIND RATINGS, INCLUDE ALL APPLICABLE MOUNTING ACCESSORIES AND LED DRIVERS. POLE AND FIXTURE EPA SHALL BE SIZED FOR 130MPH MINIMUM AND INCLUDE VIBRATION DAMPERS.	LITHONIA LIGHTING	FIXTURE MFR. LITHONIA KAD LED 40C 530 40K R2 MVOLT RPD04 DDBXD POLE MFR: KW INDUSTRIES #RTSP20-7.0-11-BRZ-DM10-BC-XHH
BB	1-LED (8758 LM) (71W)	120V	POLE LED AREA POLE MOUNTED LIGHT FIXTURE, INCLUDE BASE COVER, RATED FOR WET LOCATIONS AND LOCAL EPA WIND RATINGS, INCLUDE ALL APPLICABLE MOUNTING ACCESSORIES AND LED DRIVERS. POLE AND FIXTURE EPA SHALL BE SIZED FOR 130MPH MINIMUM AND INCLUDE VIBRATION DAMPERS.	LITHONIA LIGHTING	FIXTURE MFR. LITHONIA KAD LED 40C 530 40K R2 MVOLT RPD04 DDBXD MFR: KW INDUSTRIES #RTSP20-7.0-11-BRZ-DM10-BC-XHH
CC	LED (3600LM) 4000K	120V	SURFACE WALL MOUNTED FIXTURE RATED FOR WET LOCATION. FIXTURE SHALL BE MOUNTED 8'-0" A.F.F. COORDINATE WITH ALL DISCIPLINES AND ARCHITECTURAL DOCUMENTS PRIOR TO ROUGH-INS.	LITHONIA LIGHTING	TWR1-2-40K-MVOLT
DD	LED (1476LM) 5000K	120V	SURFACE WALL MOUNTED FIXTURE RATED FOR WET LOCATION. FIXTURE SHALL BE MOUNTED 8'-0" A.F.F. COORDINATE WITH ALL DISCIPLINES AND ARCHITECTURAL DOCUMENTS PRIOR TO ROUGH-INS.	LITHONIA LIGHTING	TWS LED P1 50K 120
FF	LED (4500LM) 4000K	120V	SURFACE 48" LINEAR LENSED LED LIGHT FIXTURE, RATED FOR WET LOCATION.	KENALL LIGHTING	MLHA5-48-F-LG-PP-45T-40KDVWL
GENER	AL NOTES:	$\overline{}$			

1.) EQUAL MANUFACTURER SHALL BE ACCEPTABLE WITH EQUAL PERFORMANCE OF SPECIFIED EQUIPMENT AND APPROVED BY ENGINEER.

2.) SUBMIT EQUAL MANUFACTURERS TO ENGINEER 10 DAYS PRIOR TO BID DATE.

3.) SUBMIT LIGHT FIXTURES CUTSHEETS TO OWNER FOR APPROVAL PRIOR TO ORDER.

4. CONTRACTOR SHALL VERIFY THAT ANY IRRIGATION SPRINKLER HEAD IS AWAY FROM ANY LIGHT POLE A MINIMUM OF 75' TO AVOID CONSISTENT WATER TO LIGHT POLE. COORDINATE WITH IRRIGATION CONTRACTOR PRIOR TO ANY WORK.

5.) ANCHOR BOLTS SHALL BE OF NON-CORROSIVE MATERIAL (STAINLESS STEEL).

6.) ACCEPTABLE MANUFACTURES; LITHONIA, GOTHAM.

ELECTRICAL LIGHTING PLAN - OVERA

HARLINGEN CONSOLIDATED INDEPENDENT SCHOOL DISTRICT

TREASURE HILLS ELEMENTARY SCHOOL 2018-2019 CLASSROOM ADDITIONS AND RENOVATIONS

HARLINGEN, TEXAS

06.01.2018

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	Project numbe	r 2017.12	Page No.	
	Date	06.01.2018		1 1
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	Sheet Type	ADDENDUM No.1		

ELECTRICAL SITE PLAN - MECHANICAL YARD

3/32" = 1'-0"

	losure:	Type '	ae 1			Wires:	4			Mains F MCB F	Rating Rating	: 3000 A : 3000 A		
Circuit Description	Trip	Pol	Wire Size	A			в		с	Wire Size	Pol	Trip	Circuit Description	скт
PANE-R1	200 A	3	4#3/0, 1#6G,2"C	24740 VA	13840 VA					4#3/0, 1#6G,2"C	3	200 A	PANEL-R2	DP-2
			-			27280 VA	13380 VA						-	DP-4
			-					45960 VA	11680 VA				-	DP-6
PANEL-L1	100 A	3	4#3, 1#6G,1.5"C	5651 VA	4825 VA					4#3, 1#6G,1.5"C	3	100 A	PANEL-L2	DP-8
			-			4253 VA	3605 VA							DP-10
			-					5653 VA	2510 VA				-	DP-12
PANEL-C1	100 A	3	4#2, 1#8G,1.5"C	10800 VA	6400 VA					4#2, 1#8G,1.5"C	3	100 A	PANEL-C2	DP-14
			-			9490 VA	11400 VA							DP-16
			-					6050 VA	10603 VA				-	DP-18
PANEL-AC	800 A	3	2-Runs Each Of 4#600KCMIL,	81040 \/A	86436 VA					2-Runs Each Of 4#600KCMIL,	3	800 4	PANEL-AC2	DR-20
I AIREE-AU	000 A	-	1#1/0G,4"C	01040 VA	30430 VA	81040 1/2	85084344			1#1/0G,4"C		300 A	I ANEL-AUZ	DD 00
			-			01040 VA	05064 VA		00007					DP-22
			-					80040 VA	82232 VA			-		DP-24
CWAHU-2	80 A	3	4#4, 1#8G,1.5"C	6214 VA	5760 VA					4#4, 1#8G,1.5"C	3	60 A	ELEVATOR	DP-26
			-			6214 VA	5760 VA						-	DP-28
			-					6214 VA	5760 VA				-	DP-30
CWAHU-3	80 A	3	4#1, 1#6G,2"C	6214 VA	6214 VA					4#4, 1#8G,1.5"C	3	80 A	CWAHU-4	DP-32
			-			6214 VA	6214 VA						-	DP-34
			-					6214 VA	6214 VA					DP-36
CWAHU-1	80 A	3	4#1, 1#6G,2"C	6214 VA	3333 VA					4#4, 1#8G,1.5"C	3	40 A	WH-1	DP-38
			-			6214 VA	3333 VA							DP-40
	-			\sim	\searrow		\sim	6214 VA	3333 VA				D	
EXISTING GYM RTU	125 A	3	4#2/0. 1#6G.2"C	12000 VA	r		Y						DI	
						12000 VA	0.VA		<u> </u>				Space	
						12000 171	0 111	12000 VA					Space	DP-48
			-	1 014	aha		4	12000 VA				-	Space	
Space	ŗ	K			- John			\nearrow				-	Space	DF-30
Space			-			UVA	UVA						Space	DP-52
Space			-)					0 VA	0 VA				Space	DP-54
Space			- /1	0 VA	0 VA								Space	DP-56
Space			-			0 VA	0 VA					-	Space	DP-58
Space			-					0 VA	0 VA				Space	DP-60
Space			-	0 VA	0 VA								Space	DP-62
Space			-			0 VA	0 VA						Space	DP-64
	Total	Load:		279682	VA	2814	82 VA	290	678 VA					
tion	т	otal	Connect	2331 ed Load	A De	234 mand Fac	18 A	24 Estim	125 A nated Demand			Panel	Totals	
<u> </u>			3678	0 VA		100.00%			36780 VA					
			49287	2 VA		100.00%	_	4	92872 VA	Te	otal C	onn. Load:	I: 843930 VA	
			7994	3 VA 0 VA		100.00% 53.82%			79943 VA	Tot	tal Es	tal Conn	789313 VA	
			7728	3 VA		100.00%			77283 VA	Tot	tal Es	. Demand:	2191 A	
			2361	2 VA		125.00%			29515 VA					
GHTING			2400	VA		100.00%			2400 VA					
GHTING		ER.	ER.	4928 7994 13104 7728 2361 2400 ER.	492872 VA 79943 VA 131040 VA 77283 VA 23612 VA 2400 VA ER.	492872 VA 79943 VA 131040 VA 77283 VA 23612 VA 2400 VA ER.	492872 VA 100.00% 79943 VA 100.00% 131040 VA 53.82% 77283 VA 100.00% 23612 VA 125.00% 2400 VA 100.00%	492872 VA 100.00% 79943 VA 100.00% 131040 VA 53.82% 77283 VA 100.00% 23612 VA 125.00% 2400 VA 100.00%	492872 VA 100.00% 4 79943 VA 100.00% 1 131040 VA 53.82% 1 77283 VA 100.00% 1 23612 VA 125.00% 1 2400 VA 100.00% 1	492872 VA 100.00% 492872 VA 79943 VA 100.00% 79943 VA 131040 VA 53.82% 70520 VA 77283 VA 100.00% 77283 VA 23612 VA 125.00% 29515 VA 2400 VA 100.00% 2400 VA	442872 VA 100.00% 442872 VA TT 79943 VA 100.00% 79943 VA To 131040 VA 53.82% 70520 VA To 77283 VA 100.00% 77283 VA To 23812 VA 100.00% 29515 VA To 23812 VA 125.00% 29515 VA ER.	442872 VA 100.00% 492872 VA Total C 79943 VA 100.00% 79943 VA Total C 131040 VA 53.82% 70520 VA Total C 77283 VA 100.00% 77283 VA Total C 23612 VA 125.00% 29515 VA Total C 2400 VA 100.00% 2400 VA ER.	442872 VA 100.00% 4492872 VA Total Conn. Load: 79943 VA 100.00% 79943 VA Total Est. Demand: 131040 VA 53.82% 70520 VA Total Conn.: 77283 VA 100.00% 77283 VA Total Conn.: 23612 VA 100.00% 77283 VA Total Conn.: 2400 VA 100.00% 2400 VA Est. Demand:	492872 VA 100.00% 492872 VA Total Conn. Load: 849390 VA 79943 VA 100.00% 79943 VA Total Est. Demail: 798313 VA 131040 VA 53.82% 70520 VA Total Conn.: 2433 A 77283 VA 100.00% 77283 VA Total Conn.: 2433 A 2010 VA 33.82% 70520 VA Total Conn.: 2403 A 2020 VA 100.00% 77283 VA Total Conn.: 2403 A 2020 VA 100.00% 29515 VA E 2400 VA 2400 VA 2400 VA 2400 VA 2400 VA

	Electrical Disconnect Schedule
Mark	Description
ELEV.	60AMP, 3-PHASE, 4W, N1, 208V, S/N, H.D. FUSED DISCONNECT
	BREAKER, SHUNT TRIP INTERLOCK WITH FIRE ALARM-SYSTEM
	30 AMP, 1-PH/ASE, 3W, N1/,120V, S/N, YI.F., H.D. DISCONNECTY
	200AMP, 3-PHASE, 4W, N3R, 208V, S/N, H.D. FUSED DISCONNE
FCCG	BUAMP, 1-EHASE, 30, 193R, 208V, SLA, H.D. FUSED DISCUMMEC
FCC0-2	JOAMP T-RHASE, 3W, NOR, 2087, SIN, H.D. FUSED DISCONNEC
	JAMP, I-PHASE, SW, NJR, 200V, S/NYH.D. FUSEU DISCONNEC
	30 AMP, I-PHASE, 3W, NI,200V, S/N, N.F., H.D. RUTART ITPED
	30AME 3 PHASE WINISP 381/ SIN HE FUSED DISCOUNCE
PP-3	30AMP 3-PHASE 4W N3R 208V S/N H D FUSED DISCONNECT
SP-1	60AMP 3-PHASE 4W N3R 208V S/N H D FUSED DISCONNEC
SP-2	60AMP, 3-PHASE, 4W, N3R,208V, S/N, H.D. FUSED DISCONNEC
TU-1-01	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-1-02	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-1-03	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-1-04	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-1-05	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-1-06	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-1-07	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-1-08	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-1-09	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-1-10	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-2-01	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU 2.02	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-2-03	60AMP 3-PHASE 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-2-05	60AMP 3-PHASE 4W N1 208V S/N N F H D DISCONNECT
TU-2-06	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-2-07	30AMP, 3-PHASE, 4W, N1, 208V, S/N, FUSED., H.D. DISCONNEC
TU-2-08	30AMP, 3-PHASE, 4W, N1, 208V, S/N, FUSED., H.D. DISCONNEC
TU-2-09	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-2-10	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-2-11	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-2-12	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-3-01	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-3-02	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU 2 04	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-3-05	60AMP 3-PHASE 4W N1 208V S/N N F H D DISCONNECT
TU-3-06	30AMP, 3-PHASE, 4W, N1, 208V, S/N, FUSED, H.D. DISCONNEC
TU-3-07	30AMP, 3-PHASE, 4W, N1, 208V, S/N, FUSED., H.D. DISCONNEC
TU-3-08	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-3-09	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-3-10	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-4-01	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-4-02	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-4-03	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU 4.05	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU 4.06	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TLL4-07	30AMP 3-PHASE 4WV N1 208V S/N FUSED HD DISCONNECT
TU-4-08	60AMP, 3-PHASE, 4W, N1, 208V, S/N, POSED, H.D. DISCONNECT
TU-4-09	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-4-10	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-4-11	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. DISCONNECT
TU-4-18	30AMP, 1-PHASE, 3W, N1, 277V, S/N, N.F., H.D. DISCONNECT
WH-1	60AMP, 3-PHASE, 4W, N1, 208V, S/N, N.F., H.D. ROTARY TYPE D
WH-2	30AMP, 1-PHASE, 3W, N1, 208V, S/N, N.F., H.D. ROTARY TYPE D

HARLINGEN CONSOLIDATED INDEPENDENT SCHOOL DISTRICT

TREASURE HILLS ELEMENTARY SCHOOL 2018-2019 CLASSROOM ADDITIONS AND RENOVATIONS architects

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Project numbe	r 2017.12	Page No.
Date	06.01.2018	
Drawn by	Author	AE3.0
Sheet Type	ADDENDUM No.1	

	Branch Su	D Pane Locatio pply From Mountin Enclosur	n: ELE m: DP g: Surfa re: Type	CT. A113A ace ∋ 1				Volts: Phases: Wires:	120/208 V 3 4	/ye		A.I.C Mair Mains MCB	Rating: Is Type: Rating: Rating:	12 MLO 100 A 100 A		
скт	Circuit Description	Trip	Poles	Wi	re Size	4	<u>۱</u>	1	В		c	Wire Size	Poles	Trip	Circuit Description	скт
C1-1	Receptacle	20 A	1	2#12, 1	#12G,1/2"C	360 VA	400 VA					2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-2
C1-3	Receptacle	20 A	1	2#12, 1	#12G,1/2"C			200 VA	400 VA			2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-4
C1-5	Receptacle	20 A	1	2#12, 1	2#12, 1#12G,1/2"C					200 VA	400 VA	2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-6
C1-7	Receptacle	20 A	1	2#12, 1	2#12, 1#12G,1/2"C		400 VA					2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-8
C1-9	Receptacle	20 A	1	2#12, 1	#12G,1/2"C			200 VA	200 VA			2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-10
C1-11	Receptacle	20 A	1	2#12, 1	#12G,1/2"C					200 VA	600 VA	2#12, 1#12G,1/2"C	1	20 A	Other	C1-12
C1-13	Receptacle	20 A	1	2#8, 1#	#10G,3/4"C	1200 VA	400 VA					2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-14
C1-15	Receptacle	20 A	1	2#12, 1	#12G,1/2"C			400 VA	200 VA			2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-16
C1-17	Receptacle	20 A	1	2#8, 1#	#10G,3/4"C					1200 VA	600 VA	2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-18
C1-19	Receptacle	20 A	1	2#12, 1	#12G,1/2"C	400 VA	400 VA					2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-20
C1-21	Receptacle	20 A	1	2#12, 1	#12G,1/2"C			400 VA	400 VA			2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-22
C1-23	Receptacle	20 A	1	2#12, 1	#12G,1/2"C					400 VA	400 VA	2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-24
C1-25	Receptacle	20 A	1	2#12, 1	#12G,1/2"C	400 VA	200 VA					2#12, 1#12G,1/2"C	1	20 A	Receptacle	C1-26
C1-27	Receptacle	20 A	1	2#12, 1	#12G,1/2"C			200 VA	600 VA	/		2#12, 1#12G,1/2"C	1	20 A	Other	C1-28
C1-29	Receptacle	20 A	1	2#12, 1	#12G,1/2"C		\sim	$ \rangle$	\sim	600 VA	200 VA	2#12, 1#120,1/2"C	M	20 A	Receptacle	C1-30
C1-31	Equipment	20 A	2	3#8, 1#	#10G,3/4"C	5040 VA	1200 VA					2#10, 1#10G,3/4"C	1	20 A	Equipment WKRM B122	C1-32
C1-33	-	-	-		-			5040 VA	1250 VA			3#10, 1#10G,3/4"C	2	20 A	Equipment WKRM B122	C1-34
C1-35											1250 VA	-	-	-	-	C1-36
C1-37						1				$ \land $		$h \sim l$	\square		\square	Ç1-38
C1-39										/						C1-40
C1-41																C1-42
		Tota	I Load:			1080	0 VA	949	0 VA	605	0 VA					
Load Cla	ssification	Iotai	Amps:		Connected L	.oad	De	emand Fac	tor	Estir	mated Dem	and		Panel	Fotals	
Equipmer	nt				13780 VA			100.00%			13780 VA					
Other					1800 VA			100.00%			1800 VA		Total Con	n. Load:	26340 VA	
Receptac	le				10760 VA	1		96.47%			10380 VA		otal Est. I Tota	Jemand:	25960 VA 73 A	
												т	otal Est. I	Demand:	72 A	
Notes:																
l																

HARLINGEN CONSOLIDATED INDEPENDENT SCHOOL DISTRICT

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TREASURE HILLS ELEMENTARY SCHOOL 2018-2019 CLASSROOM ADDITIONS AND RENOVATIONS

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Project numbe	r 2017.12	Page No.
Date	06.01.2018	
Drawn by	Author	AED.I
Sheet Type	ADDENDUM No.1	

CONDUIT CONDUIT ABOVE CEILING JBOX JBOX CONDUIT ABOVE CEILING TO PANEL
1 DESCRIPTION: NETWORKING 16 Relay Cabinet: LOG NUMBER: XXX PANELID: Master 1. FEED: L2 MOUNTING: Surface
Image: No. If the image:
6 1 20 120V 1200 Spare 8 1 20 120V 1200 Spare
S. INCLUDE ALL IRANING FOR PROGRAMMING AND STARIUP IN CONTRACT. REFER TO SPECIFICATIONS. 6. INCLUDE REMOTE CONTROL OPTION. OWNER TO PROVIDE DATA INPUT. 7. INCLUDE ASTRONOMICAL TIME CLOCK.
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Project number 2017.12 Page No.
06.01.2018 Δ Γ Ω 2

