



EDINBURG CISD

PURCHASING DEPARTMENT

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ADDENDUM 1

CSP 23-24

GYMNASIUM ADDITIONS/IMPROVEMENTS FOR GUERRA & VILLARREAL ELEMENTARY SCHOOLS

November 8, 2022

I. INSTRUCTIONS:

A. The following changes, omissions or alterations to the specification and drawings shall be made insofar as the specifications and drawings are inconsistent with 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 is imperative that this addendum be inserted INTO set of specifications.

II. SEE ADDENDUM BELOW:

PLEASE SEE ATTACHED:

Respectfully Submitted,

Amaro Tijerina
Director of Purchasing

(Signature of authorized officer)

Date

Company Name

Nondiscrimination Statement

It is the policy of Edinburg CISD not to discriminate on the basis of gender, age, handicap, religion, race, color, or national origin in its educational programs.
Es política del Distrito Escolar de Edinburg el no discriminar por razones con base en género, edad, religión, raza, color origen nacional, ni discapacidad dentro de sus programas educacionales.

DOCUMENT 00 91 13

ADDENDA

ADDENDUM NUMBER [1]

DATE: [11/7/22]

PROJECT: E.C.I.S.D. Villarreal Elementary School – Gym

PROJECT NUMBER: 23-24

OWNER: Edinburg CISD

ARCHITECT: Negrete & Kolar Architects, LLP

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated 10/19/2022, with amendments and additions noted below.

Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may disqualify the Bidder.

This Addendum consists of 17 pages and the following Drawings:

No.	Drawing Title	Issue Date
1	G.001 – Drawing Index	11/7/2022
2	EX.01 – Interior Elevations	11/7/2022

CHANGES TO THE PROJECT MANUAL

- Specification Section 01 20 00 Price and Payment Procedures; Correction to Structural Steel Allowance to include \$10,000 allowance for reinforcing of existing steel frames, and \$8,000 allowance for use as directed by the structural engineer.
- Specification 08 71 00 – Door Hardware
- Specification Section 10 14 16 – Cast Building Plaque

CHANGES TO THE DRAWINGS:

G.001 - Revision to Drawing Index Sheet List

EX.01 – Interior Elevations; Indicate location for Dedicatory Plaque

CLARIFICATION ITEMS:

- 1.) **Davis-Bacon Act is not applicable for this project(s).**

END OF DOCUMENT

SECTION 01 20 00
PRICE AND PAYMENT PROCEDURES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Contingency allowances.
- B. Structural material allowances.
- C. Schedule of values.
- D. Applications for payment.
- E. Change procedures.
- F. Defect assessment.
- G. Alternates.

1.2 CONTINGENCY ALLOWANCES

- A. Include in the Contract, a stipulated sum/price of \$25,000.00 (Twentyfive Thousand Dollars) for use upon Architect's instruction.
- B. Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit will be included in Change Orders authorizing expenditure of funds from this Contingency Allowance.
- C. Contractor shall provide detailed line-item breakdown of costs associated with Allowance request.
- D. Funds will be drawn from Contingency Allowance only by Change Order.
- E. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order.

1.3 STRUCTURAL MATERIAL ALLOWANCES

- A. Include in the Contract, the cost of providing all materials and labor and attributable overhead and profit, for the installation as directed by the Architect and/or Structural Engineer. Refer to Structural Drawings.
 - 1. Reinforcing Steel:
 - a. 100 feet of #4 bars.
 - b. 100 feet of #5 bars.
 - c. 100 feet of #6 bars.
 - d. Unused balance credited back to Owner at \$1.25/pound.
 - 2. Structural Steel: 4 tons
 - a. Unused balance credited back to Owner at \$3,500.00/ton.

1.4 SCHEDULE OF VALUES

- A. Submit printed schedule on AIA Form G703 - Continuation Sheet for G702.
- B. Submit Schedule of Values in duplicate within 15 working days after date established in Notice to Proceed.
- C. Format: Utilize Table of Contents of this Project Manual. Identify each line item with number and title of major specification Section. Identify

material and labor as separate line items. Include site mobilization, bonds and insurance.

- D. Include amount of Allowances specified in this section as a separate line item.
- E. Include direct proportional amount of Contractor's overhead and profit to coincide with the progress of the Work as a separate line item.
- F. Revise schedule to list approved Change Orders, with each Application For Payment.

1.5 APPLICATIONS FOR PAYMENT

- A. Submit three copies of each application on AIA Form G702 - Application and Certificate for Payment and AIA G703 - Continuation Sheet for G702.
- B. Content and Format: Utilize Schedule of Values for listing items in Application for Payment. Provide dollar value in each column for each line item for portion of work performed and for stored products.
- C. Submit updated construction schedule with each Application for Payment.
- D. Payment Period: Submit at intervals stipulated in the Agreement.
- E. Submit with transmittal letter as specified for Submittals in Section 01 33 00 - Submittal Procedures.
- F. Substantiating Data: When Architect/Engineer requires substantiating information, submit data justifying dollar amounts in question. Include the following with Application for Payment:
 - 1. Partial release of liens from major subcontractors and vendors.
 - 2. Affidavits attesting to off-site stored products.
 - 3. Construction progress schedules revised and current as specified.

1.6 CHANGE PROCEDURES

- A. Submittals: Submit name of individual authorized to receive change documents, and be responsible for informing others in Contractor's employ or Subcontractors of changes to the Work.
- B. The Architect/Engineer will advise of minor changes in the Work not involving adjustment to Contract Sum/Price or Contract Time by issuing supplemental instructions on Architect developed form.
- C. The Architect/Engineer may issue a Proposal Request or Notice of Change including a detailed description of proposed change with supplementary or revised Drawings and specifications, a change in Contract Time for executing the change and the period of time

during which the requested price will be considered valid. Contractor will prepare and submit estimate within 10 calendar days.

- D. Contractor may propose changes by submitting a request for change to Architect/Engineer, describing proposed change and its full effect on the Work. Include a statement describing reason for the change, and effect on Contract Sum/Price and Contract Time with full documentation and a statement describing effect on Work by separate or other Contractors. Document requested substitutions in accordance with Section 01 60 00 - Product Requirements.
- E. Stipulated Sum/Price Change Order: Based on Proposal Request and Contractor's fixed price quotation or Contractor's request for Change Order as approved by Architect/Engineer.
- F. Unit Price Change Order: For contract unit prices and quantities, the Change Order will be executed on fixed unit price basis. For unit costs or quantities of units of work which are not pre-determined, execute Work under Construction Change Directive. Changes in Contract Sum/Price or Contract Time will be computed as specified for Time and Material or Force Account Change Order.
- G. Construction Change Directive: Architect may issue directive, signed by Owner, instructing Contractor to proceed with change in the Work, for subsequent inclusion in a Change Order. Document will describe changes in the Work, and designate method of determining any change in Contract Sum/Price or Contract Time. Promptly execute change.
- H. Time and Material or Force Account Change Order: Submit itemized account and supporting data after completion of change, within time limits indicated in Conditions of the Contract. Architect/Engineer will determine change allowable in Contract Sum/Price and Contract Time as provided in Contract Documents. Provide full information required for evaluation of proposed changes to substantiate costs for changes in the Work.
- I. Maintain detailed records of work done on Time and Material basis. Provide full information required for evaluation of proposed changes, and to substantiate costs for changes in the Work.
- J. Document each quotation for change in cost or time with sufficient data to allow evaluation of quotation.
- K. Change Order Forms: AIA G701.
- L. Execution of Change Orders: Architect/Engineer will issue Change Orders for signatures of parties as provided in Conditions of the Contract.

M. Correlation Of Contractor Submittals:

- 1. Promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as separate line item and adjust Contract Sum/Price.
- 2. Promptly revise progress schedules to reflect change in Contract Time, revise sub-schedules to adjust times for other items of work affected by the change, and resubmit.
- 3. Promptly enter changes in Project Record Documents.

1.7 DEFECT ASSESSMENT

- A. Replace the Work, or portions of the Work, not conforming to specified requirements.
- B. If, in the opinion of the Architect/Engineer, it is not practical to remove and replace the Work, the Architect/Engineer will direct appropriate remedy or adjust payment.
- C. The defective Work may remain, but unit sum/price will be adjusted to new sum/price at discretion of Architect/Engineer and Owner.
- D. Defective Work not accepted will not be funded. Work found to be defective after partial progress funding may be reduced to its appropriate level of value or to zero based on the evaluation of the Architect
- E. Individual specification sections may modify these options or may identify specific formula or percentage sum/price reduction.
- F. Authority of Architect and Owner to assess defects and identify payment adjustments is final.
- G. Non-Payment For Rejected Products: Payment will not be made for rejected products for any of the following:
 - 1. Products wasted or disposed of in a manner that is not acceptable.
 - 2. Products determined as unacceptable before or after placement.
 - 3. Products not completely unloaded from transporting vehicle.
 - 4. Products placed beyond lines and levels of required Work.
 - 5. Products remaining on hand after completion of the Work.
 - 6. Loading, hauling, and disposing of rejected products.

1.8 ALTERNATES

1.9 ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work.
- C. Schedule of Alternates:

1. Alternate No. 1: Epoxy primer and semi-gloss water-based coating at New Addition Restroom wet areas as indicated in sheet A.106B: Specification Section 09 90 00 Painting and Coating Part Three paragraph 3.7 Schedule – Interior Surfaces Concrete Floors (Alternate No. 1)
 - a. Base Bid Item: 2x2 porcelain mosaic mat as selected by Architect. Refer to Detail 1/A.106, and 1/A.300 and other associated diagrams in the Construction Drawings, and Specification Section 09 30 00 – Tiling.
2. Alternate No. 2: Specification Section 07 21 16 Simple Saver System - fiberglass thermal batt insulation: Thermal Design, Inc; WMP-10, R30: Lamtec
 - a. Facing Composition: Metalized Polypropylene with Bursting Strength of 65 psi.
 - b. Facing Color: White

**To be used in conjunction with:
3. Insul-Basket Insulation Support Grid: Heavy gauge galvanized steel grid, installed between purlins and conforming to the following:

- a. Manufacturer: Bay Insulation Systems; Green Bay WI; (920) 406-4000; www.bayinsulation.com
- b. Size: 5'x12'x10"-depth as appropriate for conditions of the project.
- c. For use with R30 thermal batts, sized to fit basket width & length.
- d. For use with Lamtec Corporation Gymgaurd Facing. Lamtec Corporation Bartley-Chester Road P.O. Box 37 Flanders, New Jersey 07836-0037 USA
- e. Phone: (973) 584-5500
- f. Install additional thermal protection at underside of existing roof and integrated with the existing metal building blanket insulation to achieve R30 or higher as required by code.
- g. Base Bid Item: Existing to remain metal building thermal insulation system between and above existing purlins.

H. PRODUCTS - NOT USED**I. EXECUTION - NOT USED****PART 2 PRODUCTS - NOT USED****PART 3 EXECUTION - NOT USED****END OF SECTION**

**SECTION 08 71 00
DOOR HARDWARE**

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes hardware for wood, steel and aluminum doors.
 - 1. Provide door gaskets, including weatherstripping and seals, and thresholds.
- B. 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 all special doors with locking devices furnished as a part of the door system.
- C. Items include but are not limited to the following:
 - 1. Hinges - Pivots
 - 2. Flush Bolts
 - 3. Exit Devices
 - 4. Locksets and Cylinders
 - 5. Push Plates - Pulls
 - 6. Coordinators
 - 7. Closers
 - 8. Kick, Mop and Protection Plates
 - 9. Stops, Wall Bumpers, Overhead Controls
 - 10. Electrified Hold Open Devices
 - 11. Thresholds, Seals and Door Bottoms
 - 12. Silencers
 - 13. Miscellaneous Trim and Accessories
- D. Related Sections:
 - 1. Section 08 12 14 - Standard Steel Frames: Silencers integral with steel frames.
 - 2. Section 08 13 14 - Standard Steel Doors.
 - 3. Section 08 14 16 - Flush Wood Doors.
 - 4. Section 08 41 13 - Aluminum-Framed Entrances and Storefronts.
 - 5. Section 08 43 13 - Sliding Storefronts.
 - 6. Section 08 44 13 - Glazed Aluminum Curtain walls.
 - 7. Section 10 14 00 - Signage.
 - 8. Section 28 31 00 - Fire Detection and Alarm: Electrical connection to [activate door closers,] [and release magnetic holders].

1.2 REFERENCES

- A. American National Standards Institute:
 - 1. ANSI A156.1 - Butts and Hinges.
 - 2. ANSI A156.2 - Bored and Preassembled Locks and Latches.
 - 3. ANSI A156.3 - Exit Devices.
 - 4. ANSI A156.4 - Door Controls - Closures.
 - 5. ANSI A156.5 - Auxiliary Locks and Associated Products.
 - 6. ANSI A156.7 - Template Hinge Dimensions.
 - 7. ANSI A156.8 - Door Controls - Overhead Holders.
 - 8. ANSI A156.12 - Interconnected Locks and Latches.
 - 9. ANSI A156.13 - Mortise Locks and Latches.
 - 10. ANSI A156.14 - Sliding and Folding Door Hardware.
 - 11. ANSI A156.15 - Closer Holder Release Devices.
 - 12. ANSI A156.16 - Auxiliary Hardware.
 - 13. ANSI A156.18 - Materials and Finishes
- B. Builders Hardware Manufacturers Association:
 - 1. BHMA Directory of Certified Products.
- C. National Fire Protection Association:
 - 1. NFPA 80 - Standard for Fire Doors, Fire Windows.
 - 2. NFPA 101 - Life Safety Code
 - 3. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies.
- D. Underwriters Laboratories Inc.:
 - 1. UL 10B - Fire Tests of Door Assemblies.
 - 2. UL 305 - Panic Hardware.
 - 3. UL - Building Materials Directory.
- E. Intertek Testing Services (Warnock Hersey Listed):
 - 1. WH - Certification Listings.

1.3 PERFORMANCE REQUIREMENTS

- A. Fire Rated Openings: Provide door hardware listed by UL or Intertek Testing Services (Warnock Hersey Listed), or other testing laboratory approved by applicable authorities.
 - 1. Hardware: Tested in accordance with NFPA 252.

1.4 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Shop Drawings:
 - 1. Indicate locations and mounting heights of each type of hardware, schedules, catalog cuts, [electrical characteristics and connection requirements].
- C. 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.

1. Submit manufacturer's parts lists, and templates.
- D. Manufacturer's Installation Instructions: Submit special procedures, and perimeter conditions requiring special attention.
- E. Certification of Compliance:
 1. Submit any information necessary to indicate compliance to all of 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.
- F. Submit any samples necessary as required by the Architect.
- F. 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.
- G. Electronic Security Hardware: Coordinate installation of the electronic security with the Architect and provide installation and technical data to the Architect and other related sub-contractor(s). Upon completion of the electronic security hardware installation, verify that all components are working properly and state in the required guarantee that this inspection has been performed.
- H. Wiring Diagrams: Provide complete wiring diagrams for each opening requiring electrified hardware, except openings where only magnetic hold-opens are specified. Provide a copy with each hardware schedule submitted after approval. Supply a copy with delivery of hardware to job site and another copy to owner at time of job completion.
- I. Doors and Frames used in positive pressure opening assemblies shall meet UL10C in areas where this specification includes Seals for smoke door.

1.5 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Closeout procedures.
- B. Project Record Documents: Record actual locations of installed cylinders and their master key code.
- C. Operation and Maintenance Data: Submit data on operating hardware, lubrication

requirements, and inspection procedures related to preventative maintenance.

- D. Keys: Deliver with identifying tags to Owner by security shipment direct from hardware supplier.

1.6 QUALITY ASSURANCE

- A. Perform Work in accordance with the following requirements:
 1. ANSI A156 series.
 2. NFPA 80.
 3. UL 305.
- B. Furnish hardware marked and listed in BHMA Directory of Certified Products.

1.7 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- B. Hardware Supplier: Company specializing in supplying commercial and institutional door hardware with minimum three years documented experience and approved by primary hardware manufacturers.
- C. Products Requiring Electrical Connection: Listed and classified by Underwriters' Laboratories, Inc., as suitable for purpose specified and indicated.

1.8 PRE-INSTALLATION MEETINGS

- A. Section 01 30 00 - Administrative Requirements: Pre-installation meeting.
- B. Convene minimum one week prior to commencing work of this section.
- C. Include persons involved with installation of doors, frames, and hardware.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Product storage and handling requirements.
- B. Furnish all hardware with each unit clearly marked and numbered in accordance with the hardware schedule. Include door and item number for each.
- C. Pack each item of hardware completes with all necessary parts and fasteners.
- D. Properly wrap and cushion each item to prevent scratches and dents during delivery and storage.
- E. Package hardware items individually with necessary fasteners, instructions, and installation templates, when necessary; label and identify each package with door opening code to match hardware schedule.

1.10 COORDINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.

- B. Coordinate Work with other directly affected sections involving manufacture or fabrication of internal reinforcement for door hardware and recessed items.
 - 1. Provide templates or actual hardware as required to ensure proper preparation of doors and frames.
- C. Sequence installation to accommodate required utility connections.
- D. Coordinate Owner's keying requirements during course of Work.

1.11 WARRANTY

- A. Section 01 70 00 - Execution and Closeout Requirements: Product warranties and product bonds.
- B. 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 to have a thirty-(30) year written warranty.
 - 2. All Exit Devices to have a three-(3) year written warranty.
 - 3. All Locksets to have a ten-(10) year written warranty.
 - 4. All Continuous Hinges to have a ten-(10) year written warranty.

1.12 MAINTENANCE MATERIALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Maintenance materials.
- B. Furnish special wrenches and tools applicable for each different and for each special hardware component.
- C. Furnish maintenance tools and accessories supplied by hardware component manufacturer.

1.13 EXTRA MATERIALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Spare parts and maintenance products.
- B. Furnish ten extra key lock cylinders for each master keyed group.

PART 2 PRODUCTS**2.1 DOOR HARDWARE**

- A. Manufacturers:
 - 1. ABH – www.abhmfg.com
 - 2. Assa – www.assalock.com
 - 3. Best Access Systems – www.bestaccess.com
 - 4. Bommer Industries, Inc. – www.bommer.com
 - 5. Corbin-Russwin – www.corbinrusswin.com
 - 6. Falcon – www.falconlock.com
 - 7. Glynn-Johnson – www.glynn-johnson.com
 - 8. Hager Companies – www.hagerco.com
 - 9. Ives – professional.iveshardware.com

- 10. KABA Ilco – www.kaba-ilco.com
- 11. Kaba Mas – www.mas-hamilton.com
- 12. LCN Closers – www.lcnclosers.com
- 13. Medeco – www.medeco.com
- 14. National Guard Products – www.ngpinc.com
- 15. PC Henderson – www.pchendersdon.com
- 16. Pemko – www.pemko.com
- 17. Precision Hardware – www.precisionhardware.com
- 18. Rixson – www.rixson.com
- 19. Sargent – www.sargentlock.com
- 20. Sargent and Greenleaf – www.sargentandgreenleaf.com
- 21. Schlage Lock Co. – www.schlage.com
- 22. Trimco – www.trimcobbw.com
- 23. Von Duprin, Inc. – www.vonduprin.com
- 24. Substitutions: Section 01 60 00 - Product Requirements.

- B. Hinge Manufacturers:
 - 1. Ives.
 - 2. McKinney
 - 3. Stanley
 - 4. Substitutions: Section 01 60 00 - Product Requirements.
- C. Lockset, Latch Set, and Cylinder Manufacturers:
 - 1. Schlage, ND and L, Sparta and 17 ever style, as design basis.
 - 2. Sargent.
 - 3. Best
- D. Exit Device Manufacturers:
 - 1. Von Duprin, Series 33, 88, 98 as design basis.
 - 2. Precision.
 - 3. Sargent.
 - 4. Substitutions: Section 01 60 00 - Product Requirements.
- E. Cylinder Manufacturers:
 - 1. Schlage, SFIC Everest as design basis.
 - 2. Sargent.
 - 3. Best.
 - 4. Medeco.
 - 5. Substitutions: Section 01 60 00 - Product Requirements.
- F. Closers Manufacturers:
 - 1. Falcon, SC70, SC80 as design basis.
 - 2. LCN
 - 3. Norton.
 - 4. Corbin-Russwin.
 - 5. Substitutions: Section 01 60 00 - Product Requirements.
- G. Door Controls and Overhead Holders Manufacturers:
 - 1. Glynn Johnson.
 - 2. Rixson.
 - 3. ABH.
 - 4. Substitutions: Section 01 60 00 - Product Requirements.

- H. Push/Pulls, , Protection Plates, Gaskets, Thresholds, and Trim Manufacturers:
1. Ives.
 2. Hager.
 3. National Guard Products
 4. Pemko.
 5. Trimco/BBW.
 6. ABH.
 7. Zero
 8. Provide STC Sound Seal Sets as Scheduled
 9. Substitutions: Section 01 60 00 - Product Requirements.

2.2 COMPONENTS

- A. General Hardware Requirements: Where not specifically indicated, comply with applicable ANSI A156 standard for type of hardware required. Furnish each type of hardware with accessories as required for applications indicated and for complete, finished, operational doors.
1. Templates: Furnish templates or physical hardware items to door and frame manufacturers sufficiently in advance to avoid delay in Work.
 2. Reinforcing Units: Furnished by door and frame manufacturers; coordinated by hardware supplier or hardware manufacturer.
 3. Fasteners: Furnish as recommended by hardware manufacturer and as required to secure hardware.
 - a. Finish: Match hardware item being fastened.
 4. Fire Ratings: Provide hardware with UL or Intertek Testing Services (Warnock Hersey Listed) listings for type of application involved.
 5. Electrical Devices: Make provisions and coordinate requirements for electrical devices and connections for hardware.
- B. Hinges: ANSI A156.1, full mortise type, template type, ANSI A156.7, complying with following general requirements unless otherwise scheduled.
1. 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.
 2. Provide all exterior out-swinging door hinges of solid bronze or stainless steel with non-removable pins or security studs as called for in this specification, unless otherwise specified in 3.02 Hardware Sets.
 3. Provide interior hinges manufactured from bronze, steel, stainless steel that matches the specified finish shown on other hardware items. Furnish three (3) hinges up to 90 inches high and one (1) additional

hinge for every 30 inches or fraction thereof.

4. Provide size 4½" x 4½" for all 1¾" thick doors up to and including 36 inches wide. Doors over 1¾" through 2¼" thick, use 5" x 5" hinges. Doors over 36 inches use 5" x 4½" unless otherwise specified in 3.02 Hardware Sets.
5. Were required to clear the trim and/or to permit the doors to swing 180 degrees furnish hinges of sufficient throw.
6. Provide heavy weight hinges on all doors over 36 inches in width and all doors with overhead stops or holders.
7. At labeled door's stainless steel, bearing-type hinges shall be provided. For all doors equipped with closers and all other doors provide bearing-type hinges.

Finishes

- 1) 1. At wood doors, hinges are to be plated to match adjacent hardware or as called for in Hardware Sets.
- 2) At hollow metal doors, hinges are to be stainless steel at exterior in-swinging and out-swinging doors, unless otherwise specified in 3.02 Hardware Sets.
- 3) Continuous hinges shall be as specified and manufactured by Ives, Select or ABH Products. All exterior doors shall be prepared and receive continuous hinges as specified.
- 4) Pivots shall not be used on any Edinburg C. I. S. D. projects.

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. Provide Schlage "ND" Vandlguard series with the Rhodes lever. All locks, passage and privacy sets shall be provided in a Dull Chrome (626) finish. All locksets shall be prepared for Schlage Conventional Classic key-ways as required by Edinburg C. I. S. D. All locks are to be the Vandlguard series functions as specified.
- 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 4000 as specified.
1. Hand of lock is to be easily field-reversible or non-handed.
 2. All lever trim is to be through-bolted through

the door.

3. Provide $\frac{3}{4}$ " latch bolt-throw at all pairs of doors specified with lock sets.
4. Provide all locks specified with sound and/or light seal with a 3-3/4" back-set.
5. Provide the ND95PD Rhodes XN12-035 Security Classroom function lock at all Classroom area doors.
6. Provide the ND91PD Rhodes Entry Lock function at all office doors within the Administration area.

2.05 CYLINDERS AND KEYING

- A. Provide locks and Exit devices requiring cylinders with Schlage Conventional Classic keyway (No Substitution) key system that complies with performance requirements of ANSI A156.5. All keys shall be manufactured from nickel silver material. All locks are to be keyed to the existing Schlage Classic Keyway master key system as directed by Edinburg C. I. S. D.
- B. Furnish all exterior and interior locks and Exit devices with temporary keyed construction master keyed cylinders for the duration of construction. Provide ten (10) construction keys total.
- C. Cylinders shall be keyed as directed by Edinburg C. I. S. D. and the Architect. Provide four-(4) cut or blank keys per cylinder and ten-(10) cut master keys per master used. The hardware supplier and the general contractor shall meet with Edinburg C. I. S. D. Representatives to determine exactly how all the locks are to be keyed and keys supplied (Cut or Blank). The hardware supplier in the presents of the Edinburg C. I. S. D. representative installs permanent cylinders and demon-straight that the keys function and lock or exit device work properly as installed. All permanent keys shall be turned over to Edinburg C. I. S. D. with a complete bitting list of all key changes used on the project. The bitting list shall include additional bittings equal to 200% expansion of the key system.
- D. Stamp all keys "Do not duplicate" and with key symbol as directed by Edinburg C. I. S. D.

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. All devices shall conform to NFPA 80 and NFPA 101 requirements.

- 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 through-bolted or per the manufacturer's listing 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 shall be the same as specified with the lock sets #06.
- E. Exit Devices to be the modern push rail design. Finish shall be Satin Aluminum (628).
- F. All devices shall carry a three- (3) year warranty against manufacturing defects and workmanship.
- G. Exit Devices shall be Von Duprin "99" series as specified to match existing devices used and inventoried by Edinburg CISD. All Exit Devices shall be installed with sex-nut-bolts provided by the Manufacturer.

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 through 4 or 6 as specified 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 other wise.		acceptable by Glynn Johnson and ABH Manufacturing.
E.	All closer covers to be rectangular, full cover type of non-ferrous, non-corrosive material painted to match closer. Install all door closers with sex-nut-bolts as provided by the closer manufacturer.	2.09	PUSH PLATES, DOOR PULLS, AND KICKPLATES
F.	Closer to have heavy-duty arms. All closer arms shall be of sufficient length to accommodate the reveal depth and to insure proper installation	A.	All push plates, door pull's, kick plates and other miscellaneous hardware as listed in hardware sets. Equivalent products as manufactured by Ives, Rockwood and Trimco are acceptable.
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.	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 (.050 inches) thick stainless 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.
1.	All parallel arm mounted closers to be factory indexed to insure proper installation.	C.	Where required armor plates, edge guards and other protective hardware shall be supplied in sizes as scheduled in the hardware sets.
2.	Furnish heavy-duty cold forged parallel arms for all parallel arm mounted closers.	E.	Finish: Same as other hardware where available.
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.	2.10	FLUSH BOLTS AND COORDINATORS
I.	Finish: Sprayed enamel finish shall match all other hardware.	A.	Provide Flush bolts with Dust Proof Strikes as indicated in the individual hardware sets by Ives, Rockwood and Trimco are acceptable. Finish shall match adjacent hardware.
J.	Door closer shall be LCN 1461 Interior and 4040XP Exterior as specified.	2.11	THRESHOLDS AND GASKETING
2.08	DOOR STOPS AND HOLDERS	A.	Provide materials and finishes as listed in hardware sets. Equivalent product by National Guard Products, Reese and Zero are acceptable. All thresholds must be in accordance with the requirements of the ADA and ANSI A117.1.
A.	Door stops are to be furnished for every door leaf. Every door is to have a floor, wall, or an overhead stop.	B.	Provide thresholds with wood screws and plastic anchors. Supply all necessary anchoring devices for weather strip and sound seal. All thresholds, weather strip, door bottoms, etc. shall be provided with silicone inserts as specified.
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.	Seals shall comply with requirements of UL10C. All inserts shall be silicone as specified.
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.	D.	Seals shall comply with the requirements of the Wood Door Manufacturer's certification requirements.
D.	Finish: Same as other hardware where available.	2.12	FINISHES
E.	Acceptable Products	A.	Finishes for all hardware are as required in this specification and the hardware sets.
1.	Floor and wall stops as listed in hardware sets. Equivalent products as manufactured by Ives, Rockwood and Trimco are acceptable. Overhead stops are	B.	Special care is to be taken to make uniform the finish of all various manufactured items.
		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) 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 Edinburg CISD.
- C. Architect and Edinburg 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.

2.3 ACCESSORIES

- A. Lock Trim: Furnish levers with rose plate as selected from manufacturer's full range of levers and roses.
- Do not permit through bolts on solid wood core doors.
- B. Through Bolts: Do not permit through bolts and grommet nuts on door faces in occupied areas unless no alternative is possible.
- Do not use through bolts on solid wood core doors.
- C. Key Cabinet:
- Cabinet Construction: Sheet steel construction, piano hinged door with cylinder type lock master keyed to building system.
 - Cabinet Size: Size for Project keys plus sufficient room to allow for [10] [50] percent growth.
 - Horizontal strips for key hook labeling with clear plastic strip cover over labels.
 - Finish: Baked enamel finish, color as selected.

2.4 FINISHES

CATEGORY	FINISH
Butts	
Interior Non-Labeled	626/652
Interior Labeled	652
Interior Corrosive Area	630
Exterior	630
Continuous Hinges (Alum. Doors)	628

Flush Bolts/Dust Proof Strikes	626
Locks/Latches	626
Cylinders	626
Exit Devices	626/630
Door Closers	ALUM
Protective Plates	630
Door Stops and Holders	626
Overhead Stops/Holders	630
Weatherstrip	689
Threshold	Aluminum

*Where indicated 630 finish, core metal shall be stainless steel.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.
- B. Verify doors and frames are ready to receive door hardware and dimensions are as instructed by manufacturer.
- C. Verify electric power is available to power operated devices and is of correct characteristics.

3.2 INSTALLATION

- A. Coordinate mounting heights with door and frame manufacturers. Use templates provided by hardware item manufacturer.
- B. Mounting Heights From Finished Floor to Center Line of Hardware Item: Comply with manufacturer recommendations and applicable codes where not otherwise indicated.
- Locksets: 38 inch.
 - Push/Pulls: 42 inch.
 - Dead Locks: 48 inch.
 - Push Pad Type Exit Devices: 42 inch.
 - Cross Bar Type Exit Devices: 38 inch.
 - Top Hinge: Jamb manufacturer's standard, but not greater than 10 inches from head of frame to center line of hinge.
 - Bottom Hinge: Jamb manufacturer's standard, but not greater than 12-1/2 inches from floor to center line of hinge.
 - Intermediate Hinges: Equally spaced between top and bottom hinges and from each other.
 - Hinge Mortise on Door Leaf: 1/4 inch. to 5/16 inch from stop side of door.
- C. INSTALLATION OF FINISH HARDWARE
- Hardware is to be installed by experienced finish hardware installers after a pre-installation and pre-wiring meeting between the hardware supplier, lock, exit device and closer manufacturer's representative, electrical contractor, security contractor, hollow metal supplier, wood door supplier and hardware installer. Hardware installer shall have a minimum of

ten (10) years of experience in the installation of finish hardware.

2. Check hardware against the reviewed hardware schedule upon delivery. Store the hardware in a dry and secure location to protect against loss and damage.
3. 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.
4. 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.

3.3 FIELD QUALITY CONTROL

- A. Section 01 40 00 - Quality Requirements: Field inspecting, testing, adjusting, and balancing.
- B. Supplier shall inspect installation and certify hardware and installation has been furnished

3.6 HARDWARE SCHEDULE

HARDWARE GROUP NO. 103S - OFFICE
FOR USE ON DOOR #(S):

101, 100.1

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	VANDL ENTRANCE LOCK	ND92PD RHO (4 keys)	626	SCH
1	EA	OH STOP	450S X SIZE	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 202S - GYM STORAGE
FOR USE ON DOOR #(S):

100

PROVIDE EACH PR DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
2	EA	MANUAL FLUSH BOLT	FB458 12"	626	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	VANDL STOREROOM LOCK	ND96PD RHO (4 keys)	626	SCH
2	EA	OH STOP	450S X SIZE	630	GLY
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
1	EA	MEETING STILE	44STST X DOOR HEIGHT	STST	ZER
2	EA	SILENCER	SR64	GRY	IVE

- C. and installed in accordance with manufacturer's instructions and as specified. Contractor shall correct all items noted by inspector.

3.4 ADJUSTING

- A. Section 01 70 00 - Execution and Closeout Requirements: Testing, adjusting, and balancing.
- B. Adjust hardware for smooth operation.
- C. Make adjustments and corrections as required by [Supplier recommendation following inspection.

3.5 PROTECTION OF INSTALLED CONSTRUCTION

- A. Section 01 70 00 - Execution and Closeout Requirements: Protecting installed construction.
- B. Do not permit adjacent work to damage hardware or hardware finish.
- C. The contractor shall use all means at his disposal to protect all finish hardware items from abuse, corrosion and other damage until the owner accepts the project as complete.

HARDWARE GROUP NO. 203 - STORAGE / JANITOR

FOR USE ON DOOR #(S):

105

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	VANDL STOREROOM LOCK	ND96PD RHO (4 keys)	626	SCH
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 301 - FACULTY TOILET

FOR USE ON DOOR #(S):

102

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	PRIVACY	ND40 RHO	626	SCH
1	EA	INDICATOR DEADLOCK	B571	626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. C710 - EXT PR - HM

FOR USE ON DOOR #(S):

107

PROVIDE EACH PR DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	112XY X DOOR HEIGHT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR9954 HEIGHT AS REQ	689	VON
1	EA	ELECTRICT PANIC HARDWARE	RX-QEL-99-NL LENGTH AS REQ	626	VON
1	EA	PANIC HARDWARE	99-DT LENGTH AS REQ	626	VON
1	EA	MORTISE CYLINDER	20-001 (2 keys)	626	SCH
1	EA	RIM CYLINDER	20-022 (2 keys)	626	SCH
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	RAIN DRIP	142A DW + 4"	AA	ZER
1	EA	JAMB SEAL	328AA-2 PCS DOOR HEIGHT	AA	ZER
1	EA	GASKETING	429AA-S - 1 PC FRAME WIDTH	AA	ZER
1	EA	MULLION SEAL	8780NBK PSA	BK	ZER
2	EA	DOOR SWEEP	39A-DOOR WIDTH	A	ZER
1	EA	THRESHOLD	65A-V3-226 X FRAME WIDTH	A	ZER
1	EA	POWER SUPPLY	PS902 - 9002RS		VON
1	EA	CARD READER	BY DIVISION 28		BYO
1	EA	DOOR CONTACT	BY DIVISION 28		BYO

DOOR NORMALLY CLOSED AND LOCKED. PRESENTING A VALID CREDENTIAL TO THE CARD READER WILL RETRACT THE LATCH ON THE ACTIVE DOOR MOEMENTARILY AND WILL THEN RELATCH AND RELOCK.

HARDWARE GROUP NO. 801 - BOYS/GIRLS

FOR USE ON DOOR #(S):

103

106

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	DEADLOCK	B663 P (4 Keys)	626	IVE
1	EA	PUSH PLATE	8200 4" X 16"	630	IVE
1	EA	PULL PLATE	8303 8" 4" X 16"	626	IVE
1	EA	SURFACE CLOSER	1461 RW/PA TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

MISC ITEMS REQUIRED

PROVIDE THE FOLLOWING:

(10) CONSTR KEYS			SCH
(6) MKYS (PER SET)	KEY		SCH
KEY STAMPING	STAMPING (AS DIRECTED BY OWNER)		SCH

SEAL BY DOOR/FRAME MANUFACTURER. PROVIDE MOUNTING ACCESSORIES FOR CLOSER,
COORDINATE WITH DOOR/FRAME MANUFACTURER.

END OF SECTION

**SECTION 10 14 16
CAST BUILDING PLAQUE**

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes cast metal building plaques.
- B. Related Sections:
 - 1. Section 06 10 00 Anchorage into rough carpentry.

1.2 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Requirements for Submittals.
- B. Owner will provide a scaled detailed layout of the Dedicatory Plaque and signage logos in manufacturer's acceptable electronic format.
- C. Shop Drawings: Indicate sign styles, lettering font, foreground and background colors, locations, overall dimensions of each sign.
- D. Manufacturer's Installation Instructions: Submit installation template and attachment devices.

1.3 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- B. Furnish products for each sign form and graphic image process indicated from single manufacturer.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Product storage and handling requirements.
- B. Package items to avoid damage in transit and storage.
- C. Inspect plaques, signs and letters upon delivery for damage and correctness.
- D. Store items inside building prior to installation. Building shall be enclosed and dry.

1.5 COORDINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers:
 - 1. A.R.K. Ramos Architectural Signage Systems; as design basis.
 - 2. Gemini Sign Products, USA.
 - 3. The Southwell Company.
 - 4. Substitutions: Section 01 60 00 - Product Requirements.

2.2 CAST METAL COMPONENTS

- A. Dedicatory Plaques:
 - 1. Metal: Cast from virgin bronze ingots (85-5-5-5 standard U.S. bronze alloy).

- 2. Finish: BR-400, border and faces of raised letters shall be satin finish.
- 3. Plaque shall be chemically cleaned and etched and treated with Alodine and sprayed with two coats of Clear Acrylic Lacquer.
- 4. Size: 24" H x 36" W.
- 5. Border Design: Standard Border 513, raised, double edge band, satin finish.
- 6. Letter Style: "Helvetica Medium", satin finish.
- 7. Background: Dark oxidized background with leatherette texture.
- 8. Mounting: No. 4, flush with concealed anchor for masonry walls.
- 9. Text/Layout: Layout and text to be provided by Owner through the Architect at a later date.
- B. Casting of all plaques shall be free of pits and gas holes.
- C. All letters on plaques shall be sharp and hand tooled.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Verification of existing conditions before starting work.
- B. Verify substrate is acceptable and ready for acceptance of the mounting where plaques, signs, and letters are to be installed.
- C. Verify that proposed installation method is compatible with substrate, and that surface is plumb, even, and within required tolerances.
- D. Notify Architect of unsatisfactory mounting conditions. Do not proceed with installation until unsatisfactory mounting conditions are corrected.

3.2 INSTALLATION

- A. Install plaques in accordance with Manufacturer's instructions.
- B. Ensure plaques, signs, and letters are installed plumb, level, and square, in proper planes with related surfaces.
- C. Clean surfaces in accordance with manufacturer's instructions.

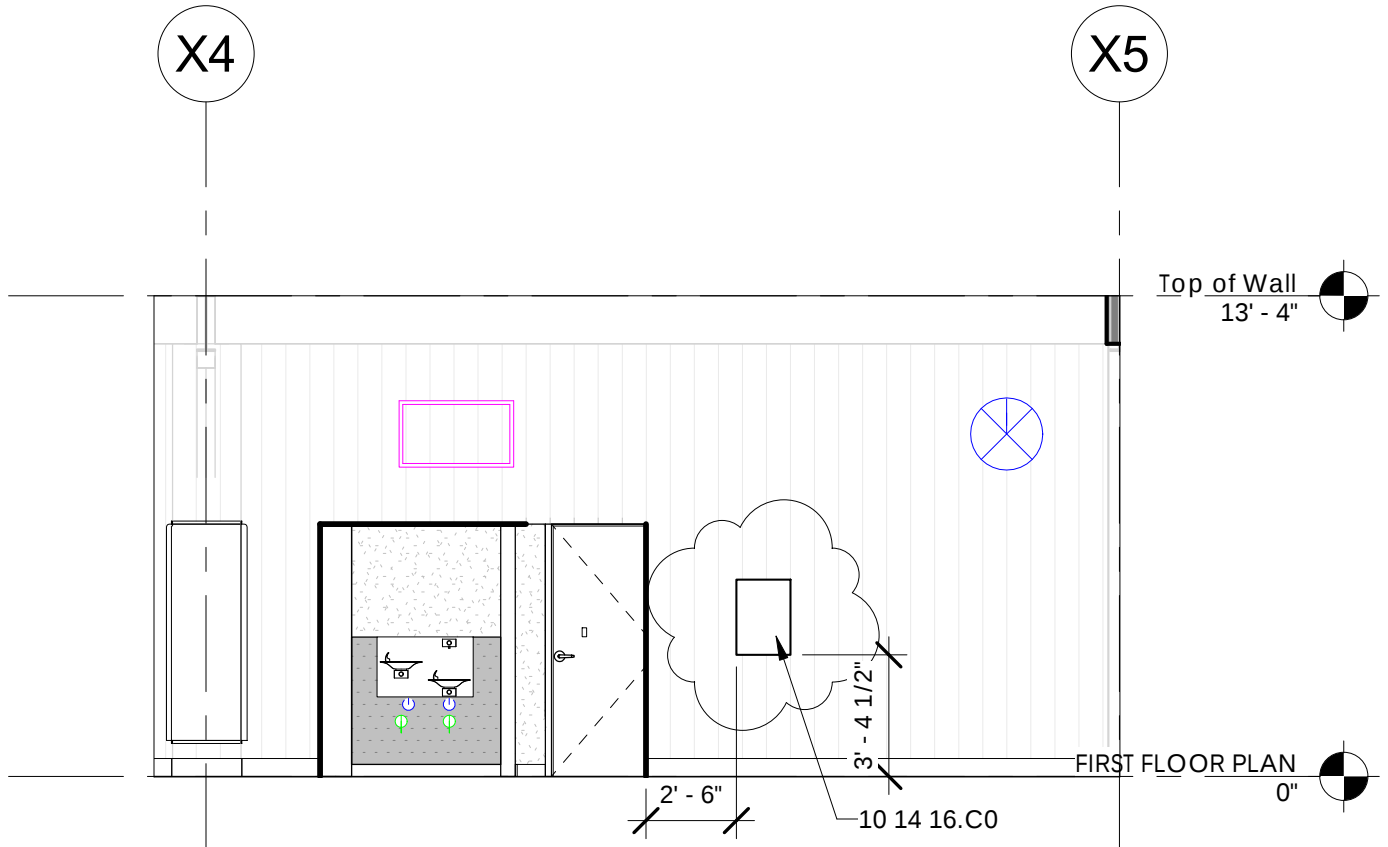
3.3 SCHEDULES

- A. Dedicatory Plaques: Install on interior metal stud partition and rough carpentry at location as directed by Architect.
- B. Reference drawings for location, layout, and other information.

END OF SECTION

REFERENCE NOTES

10 14 16.C0 Cast Dedicatory Plaque



1 DEDICATORY PLAQUE LOCATION

EX.01

SCALE: $\frac{3}{16}" = 1'-0"$

REF: A.100



11/7/22

**NEGRETE & KOLAR
ARCHITECTS_{LLP}**

1601 EAST 7TH STREET AUSTIN TEXAS 78702 | P: 512.474.6526 F: 512.474.6761
204 E. STUBBS ST., EDINBURG, TEXAS 78539 | P: 956.386.0611 F: 956.386.0613

**GUERRA
ELEMENTARY**
10010 N. VILLA FERNANDEZ
EDINBURG, TX 78539

SCALE: $\frac{3}{16}" = 1'-0"$

REF: ADD 1

DATE: 11/07/22

DRAWN BYEZ

PROJ. NO.: 2022-01

REF SHEET NO.:

EXHIBIT NO.:

EX.01

DOCUMENT 00 91 13

ADDENDA

ADDENDUM NUMBER [1]

DATE: [11/7/22]

PROJECT: E.C.I.S.D. Villarreal Elementary School – Gym

PROJECT NUMBER: 23-24

OWNER: Edinburg CISD

ARCHITECT: Negrete & Kolar Architects, LLP

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated 10/19/2022, with amendments and additions noted below.

Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may disqualify the Bidder.

This Addendum consists of 18 pages and the following Drawings:

No.	Drawing Title	Issue Date
1	G.001 – Drawing Index	11/7/2022
2	EX.01 – Interior Elevations	11/7/2022
3	S3.0 – Wall Layout Plan	11/7/2022

CHANGES TO THE PROJECT MANUAL

- Specification Section 01 20 00 Price and Payment Procedures; Correction to Structural Steel Allowance to include \$10,000 allowance for reinforcing of existing steel frames, and \$8,000 allowance for use as directed by the structural engineer.
- Specification 08 71 00 – Door Hardware
- Specification Section 10 14 16 – Cast Building Plaque

CHANGES TO THE DRAWINGS:

G.001 - Revision to Drawing Index Sheet List

EX.01– Interior Elevations; Indicate location for Dedicatory Plaque

S3.0 – Wall Layout Plan; Revise CMU Wall Layout Notes to Structural Insulated Panel Wall Notes:

CLARIFICATION ITEMS:

- 1.) **Davis-Bacon Act is not applicable for this project(s).**

END OF DOCUMENT

SECTION 01 20 00
PRICE AND PAYMENT PROCEDURES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Contingency allowances.
- B. Structural material allowances.
- C. Schedule of values.
- D. Applications for payment.
- E. Change procedures.
- F. Defect assessment.
- G. Alternates.

1.2 CONTINGENCY ALLOWANCES

- A. Include in the Contract, a stipulated sum/price of \$25,000.00 (Twenty-five Thousand Dollars) for use upon Architect's instruction.
- B. Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit will be included in Change Orders authorizing expenditure of funds from this Contingency Allowance.
- C. Contractor shall provide detailed line-item breakdown of costs associated with Allowance request.
- D. Funds will be drawn from Contingency Allowance only by Change Order.
- E. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order.

1.3 STRUCTURAL MATERIAL ALLOWANCES

- A. Include in the Contract, the cost of providing all materials and labor and attributable overhead and profit, for the installation as directed by the Architect and/or Structural Engineer. Refer to Structural Drawings.

- 1. Reinforcing Steel:
 - a. 100 feet of #4 bars.
 - b. 100 feet of #5 bars.
 - c. 100 feet of #6 bars.
 - d. Unused balance credited back to Owner at \$1.25/pound.

- 2. Existing Frame Reinforcing allowance: Provide \$10,000 for use in reinforcing of existing frames.
- 3. Provide an additional allowance of \$8,000 to be used as directed by the structural engineer.
- 4. All unused allowances to be credited back to the Owner.

1.4 SCHEDULE OF VALUES

- A. Submit printed schedule on AIA Form G703 - Continuation Sheet for G702.

- B. Submit Schedule of Values in duplicate within 15 working days after date established in Notice to Proceed.
- C. Format: Utilize Table of Contents of this Project Manual. Identify each line item with number and title of major specification Section. Identify material and labor as separate line items. Include site mobilization, bonds and insurance.
- D. Include amount of Allowances specified in this section as a separate line item.
- E. Include direct proportional amount of Contractor's overhead and profit to coincide with the progress of the Work as a separate line item.
- F. Revise schedule to list approved Change Orders, with each Application For Payment.

1.5 APPLICATIONS FOR PAYMENT

- A. Submit three copies of each application on AIA Form G702 - Application and Certificate for Payment and AIA G703 - Continuation Sheet for G702.
- B. Content and Format: Utilize Schedule of Values for listing items in Application for Payment. Provide dollar value in each column for each line item for portion of work performed and for stored products.
- C. Submit updated construction schedule with each Application for Payment.
- D. Payment Period: Submit at intervals stipulated in the Agreement.
- E. Submit with transmittal letter as specified for Submittals in Section 01 33 00 - Submittal Procedures.
- F. Substantiating Data: When Architect/Engineer requires substantiating information, submit data justifying dollar amounts in question. Include the following with Application for Payment:
 - 1. Partial release of liens from major subcontractors and vendors.
 - 2. Affidavits attesting to off-site stored products.
 - 3. Construction progress schedules revised and current as specified.

1.6 CHANGE PROCEDURES

- A. Submittals: Submit name of individual authorized to receive change documents, and be responsible for informing others in Contractor's employ or Subcontractors of changes to the Work.
- B. The Architect/Engineer will advise of minor changes in the Work not involving adjustment to Contract Sum/Price or Contract Time by issuing supplemental instructions on Architect developed form.

- C. The Architect/Engineer may issue a Proposal Request or Notice of Change including a detailed description of proposed change with supplementary or revised Drawings and specifications, a change in Contract Time for executing the change and the period of time during which the requested price will be considered valid. Contractor will prepare and submit estimate within 10 calendar days.
- D. Contractor may propose changes by submitting a request for change to Architect/Engineer, describing proposed change and its full effect on the Work. Include a statement describing reason for the change, and effect on Contract Sum/Price and Contract Time with full documentation and a statement describing effect on Work by separate or other Contractors. Document requested substitutions in accordance with Section 01 60 00 - Product Requirements.
- E. Stipulated Sum/Price Change Order: Based on Proposal Request and Contractor's fixed price quotation or Contractor's request for Change Order as approved by Architect/Engineer.
- F. Unit Price Change Order: For contract unit prices and quantities, the Change Order will be executed on fixed unit price basis. For unit costs or quantities of units of work which are not pre-determined, execute Work under Construction Change Directive. Changes in Contract Sum/Price or Contract Time will be computed as specified for Time and Material or Force Account Change Order.
- G. Construction Change Directive: Architect may issue directive, signed by Owner, instructing Contractor to proceed with change in the Work, for subsequent inclusion in a Change Order. Document will describe changes in the Work, and designate method of determining any change in Contract Sum/Price or Contract Time. Promptly execute change.
- H. Time and Material or Force Account Change Order: Submit itemized account and supporting data after completion of change, within time limits indicated in Conditions of the Contract. Architect/Engineer will determine change allowable in Contract Sum/Price and Contract Time as provided in Contract Documents. Provide full information required for evaluation of proposed changes to substantiate costs for changes in the Work.
- I. Maintain detailed records of work done on Time and Material basis. Provide full information required for evaluation of proposed changes, and to substantiate costs for changes in the Work.
- J. Document each quotation for change in cost or time with sufficient data to allow evaluation of quotation.

- K. Change Order Forms: AIA G701.
- L. Execution of Change Orders: Architect/Engineer will issue Change Orders for signatures of parties as provided in Conditions of the Contract.
- M. Correlation Of Contractor Submittals:
 - 1. Promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as separate line item and adjust Contract Sum/Price.
 - 2. Promptly revise progress schedules to reflect change in Contract Time, revise sub-schedules to adjust times for other items of work affected by the change, and resubmit.
 - 3. Promptly enter changes in Project Record Documents.

1.7 DEFECT ASSESSMENT

- A. Replace the Work, or portions of the Work, not conforming to specified requirements.
- B. If, in the opinion of the Architect/Engineer, it is not practical to remove and replace the Work, the Architect/Engineer will direct appropriate remedy or adjust payment.
- C. The defective Work may remain, but unit sum/price will be adjusted to new sum/price at discretion of Architect/Engineer and Owner.
- D. Defective Work not accepted will not be funded. Work found to be defective after partial progress funding may be reduced to its appropriate level of value or to zero based on the evaluation of the Architect
- E. Individual specification sections may modify these options or may identify specific formula or percentage sum/price reduction.
- F. Authority of Architect and Owner to assess defects and identify payment adjustments is final.
- G. Non-Payment For Rejected Products: Payment will not be made for rejected products for any of the following:
 - 1. Products wasted or disposed of in a manner that is not acceptable.
 - 2. Products determined as unacceptable before or after placement.
 - 3. Products not completely unloaded from transporting vehicle.
 - 4. Products placed beyond lines and levels of required Work.
 - 5. Products remaining on hand after completion of the Work.
 - 6. Loading, hauling, and disposing of rejected products.

1.8 ALTERNATES

1.9 ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's

option. Accepted Alternates will be identified in Owner-Contractor Agreement.

- B. Coordinate related work and modify surrounding work.
- C. Schedule of Alternates:
 - 1. Alternate No. 1: Epoxy primer and semi-gloss water-based coating at New Addition Restroom wet areas as indicated in sheet A.106B: Specification Section 09 90 00 Painting and Coating Part Three paragraph 3.7 Schedule – Interior Surfaces Concrete Floors (Alternate No. 1)
 - a. Base Bid Item: 2x2 porcelain mosaic mat as selected by Architect. Refer to Detail 1/A.106, and 1/A.300 and other associated diagrams in the Construction Drawings, and Specification Section 09 30 00 – Tiling.
 - 2. Alternate No. 2: Specification Section 07 21 16 Simple Saver System - fiberglass thermal batt insulation: Thermal Design, Inc; WMP-10, R30: Lamtec
 - a. Facing Composition: Metalized Polypropylene with Bursting Strength of 65 psi.
 - b. Facing Color: White
- **To be used in conjunction with:
- 3. Insul-Basket Insulation Support Grid: Heavy gauge galvanized steel grid, installed

between purlins and conforming to the following:

- a. Manufacturer: Bay Insulation Systems; Green Bay WI; (920) 406-4000; www.bayinsulation.com
- b. Size: 5'x12'x10"-depth as appropriate for conditions of the project.
- c. For use with R30 thermal batts, sized to fit basket width & length.
- d. For use with Lamtec Corporation Gymgaud Facing. Lamtec Corporation Bartley-Chester Road P.O. Box 37 Flanders, New Jersey 07836-0037 USA
- e. Phone: (973) 584-5500
- f. Install additional thermal protection at underside of existing roof and integrated with the existing metal building blanket insulation to achieve R30 or higher as required by code.
- g. Base Bid Item: Existing to remain metal building thermal insulation system between and above existing purlins.

H. PRODUCTS - NOT USED

I. EXECUTION - NOT USED

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

**SECTION 08 71 00
DOOR HARDWARE**

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes hardware for wood, steel and aluminum doors.
 - 1. Provide door gaskets, including weatherstripping and seals, and thresholds.
- B. 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 all special doors with locking devices furnished as a part of the door system.
- C. Items include but are not limited to the following:
 - 1. Hinges - Pivots
 - 2. Flush Bolts
 - 3. Exit Devices
 - 4. Locksets and Cylinders
 - 5. Push Plates - Pulls
 - 6. Coordinators
 - 7. Closers
 - 8. Kick, Mop and Protection Plates
 - 9. Stops, Wall Bumpers, Overhead Controls
 - 10. Electrified Hold Open Devices
 - 11. Thresholds, Seals and Door Bottoms
 - 12. Silencers
 - 13. Miscellaneous Trim and Accessories
- D. Related Sections:
 - 1. Section 08 12 14 - Standard Steel Frames: Silencers integral with steel frames.
 - 2. Section 08 13 14 - Standard Steel Doors.
 - 3. Section 08 14 16 - Flush Wood Doors.
 - 4. Section 08 41 13 - Aluminum-Framed Entrances and Storefronts.
 - 5. Section 08 43 13 - Sliding Storefronts.
 - 6. Section 08 44 13 - Glazed Aluminum Curtain walls.
 - 7. Section 10 14 00 - Signage.
 - 8. Section 28 31 00 - Fire Detection and Alarm: Electrical connection to [activate door closers,] [and release magnetic holders].

1.2 REFERENCES

- A. American National Standards Institute:
 - 1. ANSI A156.1 - Butts and Hinges.
 - 2. ANSI A156.2 - Bored and Preassembled Locks and Latches.
 - 3. ANSI A156.3 - Exit Devices.
 - 4. ANSI A156.4 - Door Controls - Closures.
 - 5. ANSI A156.5 - Auxiliary Locks and Associated Products.
 - 6. ANSI A156.7 - Template Hinge Dimensions.
 - 7. ANSI A156.8 - Door Controls - Overhead Holders.
 - 8. ANSI A156.12 - Interconnected Locks and Latches.
 - 9. ANSI A156.13 - Mortise Locks and Latches.
 - 10. ANSI A156.14 - Sliding and Folding Door Hardware.
 - 11. ANSI A156.15 - Closer Holder Release Devices.
 - 12. ANSI A156.16 - Auxiliary Hardware.
 - 13. ANSI A156.18 - Materials and Finishes
- B. Builders Hardware Manufacturers Association:
 - 1. BHMA Directory of Certified Products.
- C. National Fire Protection Association:
 - 1. NFPA 80 - Standard for Fire Doors, Fire Windows.
 - 2. NFPA 101 - Life Safety Code
 - 3. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies.
- D. Underwriters Laboratories Inc.:
 - 1. UL 10B - Fire Tests of Door Assemblies.
 - 2. UL 305 - Panic Hardware.
 - 3. UL - Building Materials Directory.
- E. Intertek Testing Services (Warnock Hersey Listed):
 - 1. WH - Certification Listings.

1.3 PERFORMANCE REQUIREMENTS

- A. Fire Rated Openings: Provide door hardware listed by UL or Intertek Testing Services (Warnock Hersey Listed), or other testing laboratory approved by applicable authorities.
 - 1. Hardware: Tested in accordance with NFPA 252.

1.4 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Shop Drawings:
 - 1. Indicate locations and mounting heights of each type of hardware, schedules, catalog cuts, [electrical characteristics and connection requirements].
- C. 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.

1. Submit manufacturer's parts lists, and templates.
- D. Manufacturer's Installation Instructions: Submit special procedures, and perimeter conditions requiring special attention.
- E. Certification of Compliance:
 1. Submit any information necessary to indicate compliance to all of 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.
- F. Submit any samples necessary as required by the Architect.
- F. 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.
- G. Electronic Security Hardware: Coordinate installation of the electronic security with the Architect and provide installation and technical data to the Architect and other related sub-contractor(s). Upon completion of the electronic security hardware installation, verify that all components are working properly and state in the required guarantee that this inspection has been performed.
- H. Wiring Diagrams: Provide complete wiring diagrams for each opening requiring electrified hardware, except openings where only magnetic hold-opens are specified. Provide a copy with each hardware schedule submitted after approval. Supply a copy with delivery of hardware to job site and another copy to owner at time of job completion.
- I. Doors and Frames used in positive pressure opening assemblies shall meet UL10C in areas where this specification includes Seals for smoke door.

1.5 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Closeout procedures.
- B. Project Record Documents: Record actual locations of installed cylinders and their master key code.
- C. Operation and Maintenance Data: Submit data on operating hardware, lubrication

requirements, and inspection procedures related to preventative maintenance.

- D. Keys: Deliver with identifying tags to Owner by security shipment direct from hardware supplier.

1.6 QUALITY ASSURANCE

- A. Perform Work in accordance with the following requirements:
 1. ANSI A156 series.
 2. NFPA 80.
 3. UL 305.
- B. Furnish hardware marked and listed in BHMA Directory of Certified Products.

1.7 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- B. Hardware Supplier: Company specializing in supplying commercial and institutional door hardware with minimum three years documented experience and approved by primary hardware manufacturers.
- C. Products Requiring Electrical Connection: Listed and classified by Underwriters' Laboratories, Inc., as suitable for purpose specified and indicated.

1.8 PRE-INSTALLATION MEETINGS

- A. Section 01 30 00 - Administrative Requirements: Pre-installation meeting.
- B. Convene minimum one week prior to commencing work of this section.
- C. Include persons involved with installation of doors, frames, and hardware.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Product storage and handling requirements.
- B. Furnish all hardware with each unit clearly marked and numbered in accordance with the hardware schedule. Include door and item number for each.
- C. Pack each item of hardware completes with all necessary parts and fasteners.
- D. Properly wrap and cushion each item to prevent scratches and dents during delivery and storage.
- E. Package hardware items individually with necessary fasteners, instructions, and installation templates, when necessary; label and identify each package with door opening code to match hardware schedule.

1.10 COORDINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.

- B. Coordinate Work with other directly affected sections involving manufacture or fabrication of internal reinforcement for door hardware and recessed items.
 - 1. Provide templates or actual hardware as required to ensure proper preparation of doors and frames.
- C. Sequence installation to accommodate required utility connections.
- D. Coordinate Owner's keying requirements during course of Work.

1.11 WARRANTY

- A. Section 01 70 00 - Execution and Closeout Requirements: Product warranties and product bonds.
- B. 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 to have a thirty-(30) year written warranty.
 - 2. All Exit Devices to have a three-(3) year written warranty.
 - 3. All Locksets to have a ten-(10) year written warranty.
 - 4. All Continuous Hinges to have a ten-(10) year written warranty.

1.12 MAINTENANCE MATERIALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Maintenance materials.
- B. Furnish special wrenches and tools applicable for each different and for each special hardware component.
- C. Furnish maintenance tools and accessories supplied by hardware component manufacturer.

1.13 EXTRA MATERIALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Spare parts and maintenance products.
- B. Furnish ten extra key lock cylinders for each master keyed group.

PART 2 PRODUCTS**2.1 DOOR HARDWARE**

- A. Manufacturers:
 - 1. ABH – www.abhmfg.com
 - 2. Assa – www.assalock.com
 - 3. Best Access Systems – www.bestaccess.com
 - 4. Bommer Industries, Inc. – www.bommer.com
 - 5. Corbin-Russwin – www.corbinrusswin.com
 - 6. Falcon – www.falconlock.com
 - 7. Glynn-Johnson – www.glynn-johnson.com
 - 8. Hager Companies – www.hagerco.com
 - 9. Ives – professional.iveshardware.com

- 10. KABA Ilco – www.kaba-ilco.com
- 11. Kaba Mas – www.mas-hamilton.com
- 12. LCN Closers – www.lcnclosers.com
- 13. Medeco – www.medeco.com
- 14. National Guard Products – www.ngpinc.com
- 15. PC Henderson – www.pchendersdon.com
- 16. Pemko – www.pemko.com
- 17. Precision Hardware – www.precisionhardware.com
- 18. Rixson – www.rixson.com
- 19. Sargent – www.sargentlock.com
- 20. Sargent and Greenleaf – www.sargentandgreenleaf.com
- 21. Schlage Lock Co. – www.schlage.com
- 22. Trimco – www.trimcobbw.com
- 23. Von Duprin, Inc. – www.vonduprin.com
- 24. Substitutions: Section 01 60 00 - Product Requirements.

- B. Hinge Manufacturers:
 - 1. Ives.
 - 2. McKinney
 - 3. Stanley
 - 4. Substitutions: Section 01 60 00 - Product Requirements.
- C. Lockset, Latch Set, and Cylinder Manufacturers:
 - 1. Schlage, ND and L, Sparta and 17 ever style, as design basis.
 - 2. Sargent.
 - 3. Best
- D. Exit Device Manufacturers:
 - 1. Von Duprin, Series 33, 88, 98 as design basis.
 - 2. Precision.
 - 3. Sargent.
 - 4. Substitutions: Section 01 60 00 - Product Requirements.
- E. Cylinder Manufacturers:
 - 1. Schlage, SFIC Everest as design basis.
 - 2. Sargent.
 - 3. Best.
 - 4. Medeco.
 - 5. Substitutions: Section 01 60 00 - Product Requirements.
- F. Closers Manufacturers:
 - 1. Falcon, SC70, SC80 as design basis.
 - 2. LCN
 - 3. Norton.
 - 4. Corbin-Russwin.
 - 5. Substitutions: Section 01 60 00 - Product Requirements.
- G. Door Controls and Overhead Holders Manufacturers:
 - 1. Glynn Johnson.
 - 2. Rixson.
 - 3. ABH.
 - 4. Substitutions: Section 01 60 00 - Product Requirements.

- H. Push/Pulls, , Protection Plates, Gaskets, Thresholds, and Trim Manufacturers:
1. Ives.
 2. Hager.
 3. National Guard Products
 4. Pemko.
 5. Trimco/BBW.
 6. ABH.
 7. Zero
 8. Provide STC Sound Seal Sets as Scheduled
 9. Substitutions: Section 01 60 00 - Product Requirements.

2.2 COMPONENTS

- A. General Hardware Requirements: Where not specifically indicated, comply with applicable ANSI A156 standard for type of hardware required. Furnish each type of hardware with accessories as required for applications indicated and for complete, finished, operational doors.
1. Templates: Furnish templates or physical hardware items to door and frame manufacturers sufficiently in advance to avoid delay in Work.
 2. Reinforcing Units: Furnished by door and frame manufacturers; coordinated by hardware supplier or hardware manufacturer.
 3. Fasteners: Furnish as recommended by hardware manufacturer and as required to secure hardware.
 - a. Finish: Match hardware item being fastened.
 4. Fire Ratings: Provide hardware with UL or Intertek Testing Services (Warnock Hersey Listed) listings for type of application involved.
 5. Electrical Devices: Make provisions and coordinate requirements for electrical devices and connections for hardware.
- B. Hinges: ANSI A156.1, full mortise type, template type, ANSI A156.7, complying with following general requirements unless otherwise scheduled.
1. 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.
 2. Provide all exterior out-swinging door hinges of solid bronze or stainless steel with non-removable pins or security studs as called for in this specification, unless otherwise specified in 3.02 Hardware Sets.
 3. Provide interior hinges manufactured from bronze, steel, stainless steel that matches the specified finish shown on other hardware items. Furnish three (3) hinges up to 90 inches high and one (1) additional

hinge for every 30 inches or fraction thereof.

4. Provide size 4½" x 4½" for all 1¾" thick doors up to and including 36 inches wide. Doors over 1¾" through 2¼" thick, use 5" x 5" hinges. Doors over 36 inches use 5" x 4½" unless otherwise specified in 3.02 Hardware Sets.
5. Were required to clear the trim and/or to permit the doors to swing 180 degrees furnish hinges of sufficient throw.
6. Provide heavy weight hinges on all doors over 36 inches in width and all doors with overhead stops or holders.
7. At labeled door's stainless steel, bearing-type hinges shall be provided. For all doors equipped with closers and all other doors provide bearing-type hinges.

Finishes

- 1) 1. At wood doors, hinges are to be plated to match adjacent hardware or as called for in Hardware Sets.
- 2) At hollow metal doors, hinges are to be stainless steel at exterior in-swinging and out-swinging doors, unless otherwise specified in 3.02 Hardware Sets.
- 3) Continuous hinges shall be as specified and manufactured by Ives, Select or ABH Products. All exterior doors shall be prepared and receive continuous hinges as specified.
- 4) Pivots shall not be used on any Edinburg C. I. S. D. projects.

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. Provide Schlage "ND" Vandlguard series with the Rhodes lever. All locks, passage and privacy sets shall be provided in a Dull Chrome (626) finish. All locksets shall be prepared for Schlage Conventional Classic key-ways as required by Edinburg C. I. S. D. All locks are to be the Vandlguard series functions as specified.
- 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 4000 as specified.
1. Hand of lock is to be easily field-reversible or non-handed.
 2. All lever trim is to be through-bolted through

the door.

3. Provide $\frac{3}{4}$ " latch bolt-throw at all pairs of doors specified with lock sets.
4. Provide all locks specified with sound and/or light seal with a 3-3/4" back-set.
5. Provide the ND95PD Rhodes XN12-035 Security Classroom function lock at all Classroom area doors.
6. Provide the ND91PD Rhodes Entry Lock function at all office doors within the Administration area.

2.05 CYLINDERS AND KEYING

- A. Provide locks and Exit devices requiring cylinders with Schlage Conventional Classic keyway (No Substitution) key system that complies with performance requirements of ANSI A156.5. All keys shall be manufactured from nickel silver material. All locks are to be keyed to the existing Schlage Classic Keyway master key system as directed by Edinburg C. I. S. D.
- B. Furnish all exterior and interior locks and Exit devices with temporary keyed construction master keyed cylinders for the duration of construction. Provide ten (10) construction keys total.
- C. Cylinders shall be keyed as directed by Edinburg C. I. S. D. and the Architect. Provide four-(4) cut or blank keys per cylinder and ten-(10) cut master keys per master used. The hardware supplier and the general contractor shall meet with Edinburg C. I. S. D. Representatives to determine exactly how all the locks are to be keyed and keys supplied (Cut or Blank). The hardware supplier in the presents of the Edinburg C. I. S. D. representative installs permanent cylinders and demon-straight that the keys function and lock or exit device work properly as installed. All permanent keys shall be turned over to Edinburg C. I. S. D. with a complete bitting list of all key changes used on the project. The bitting list shall include additional bittings equal to 200% expansion of the key system.
- D. Stamp all keys "Do not duplicate" and with key symbol as directed by Edinburg C. I. S. D.

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. All devices shall conform to NFPA 80 and NFPA 101 requirements.

- 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 through-bolted or per the manufacturer's listing 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 shall be the same as specified with the lock sets #06.
- E. Exit Devices to be the modern push rail design. Finish shall be Satin Aluminum (628).
- F. All devices shall carry a three- (3) year warranty against manufacturing defects and workmanship.
- G. Exit Devices shall be Von Duprin "99" series as specified to match existing devices used and inventoried by Edinburg CISD. All Exit Devices shall be installed with sex-nut-bolts provided by the Manufacturer.

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 through 4 or 6 as specified 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 other wise.		acceptable by Glynn Johnson and ABH Manufacturing.
E.	All closer covers to be rectangular, full cover type of non-ferrous, non-corrosive material painted to match closer. Install all door closers with sex-nut-bolts as provided by the closer manufacturer.	2.09	PUSH PLATES, DOOR PULLS, AND KICKPLATES
F.	Closer to have heavy-duty arms. All closer arms shall be of sufficient length to accommodate the reveal depth and to insure proper installation	A.	All push plates, door pull's, kick plates and other miscellaneous hardware as listed in hardware sets. Equivalent products as manufactured by Ives, Rockwood and Trimco are acceptable.
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.	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 (.050 inches) thick stainless 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.
1.	All parallel arm mounted closers to be factory indexed to insure proper installation.	C.	Where required armor plates, edge guards and other protective hardware shall be supplied in sizes as scheduled in the hardware sets.
2.	Furnish heavy-duty cold forged parallel arms for all parallel arm mounted closers.	E.	Finish: Same as other hardware where available.
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.	2.10	FLUSH BOLTS AND COORDINATORS
I.	Finish: Sprayed enamel finish shall match all other hardware.	A.	Provide Flush bolts with Dust Proof Strikes as indicated in the individual hardware sets by Ives, Rockwood and Trimco are acceptable. Finish shall match adjacent hardware.
J.	Door closer shall be LCN 1461 Interior and 4040XP Exterior as specified.	2.11	THRESHOLDS AND GASKETING
2.08	DOOR STOPS AND HOLDERS	A.	Provide materials and finishes as listed in hardware sets. Equivalent product by National Guard Products, Reese and Zero are acceptable. All thresholds must be in accordance with the requirements of the ADA and ANSI A117.1.
A.	Door stops are to be furnished for every door leaf. Every door is to have a floor, wall, or an overhead stop.	B.	Provide thresholds with wood screws and plastic anchors. Supply all necessary anchoring devices for weather strip and sound seal. All thresholds, weather strip, door bottoms, etc. shall be provided with silicone inserts as specified.
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.	Seals shall comply with requirements of UL10C. All inserts shall be silicone as specified.
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.	D.	Seals shall comply with the requirements of the Wood Door Manufacturer's certification requirements.
D.	Finish: Same as other hardware where available.	2.12	FINISHES
E.	Acceptable Products	A.	Finishes for all hardware are as required in this specification and the hardware sets.
1.	Floor and wall stops as listed in hardware sets. Equivalent products as manufactured by Ives, Rockwood and Trimco are acceptable. Overhead stops are	B.	Special care is to be taken to make uniform the finish of all various manufactured items.
		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) 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 Edinburg CISD.
- C. Architect and Edinburg 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.

2.3 ACCESSORIES

- A. Lock Trim: Furnish levers with rose plate as selected from manufacturer's full range of levers and roses.
- Do not permit through bolts on solid wood core doors.
- B. Through Bolts: Do not permit through bolts and grommet nuts on door faces in occupied areas unless no alternative is possible.
- Do not use through bolts on solid wood core doors.
- C. Key Cabinet:
- Cabinet Construction: Sheet steel construction, piano hinged door with cylinder type lock master keyed to building system.
 - Cabinet Size: Size for Project keys plus sufficient room to allow for [10] [50] percent growth.
 - Horizontal strips for key hook labeling with clear plastic strip cover over labels.
 - Finish: Baked enamel finish, color as selected.

2.4 FINISHES

CATEGORY	FINISH
Butts	
Interior Non-Labeled	626/652
Interior Labeled	652
Interior Corrosive Area	630
Exterior	630
Continuous Hinges (Alum. Doors)	628

Flush Bolts/Dust Proof Strikes	626
Locks/Latches	626
Cylinders	626
Exit Devices	626/630
Door Closers	ALUM
Protective Plates	630
Door Stops and Holders	626
Overhead Stops/Holders	630
Weatherstrip	689
Threshold	Aluminum

*Where indicated 630 finish, core metal shall be stainless steel.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.
- B. Verify doors and frames are ready to receive door hardware and dimensions are as instructed by manufacturer.
- C. Verify electric power is available to power operated devices and is of correct characteristics.

3.2 INSTALLATION

- A. Coordinate mounting heights with door and frame manufacturers. Use templates provided by hardware item manufacturer.
- B. Mounting Heights From Finished Floor to Center Line of Hardware Item: Comply with manufacturer recommendations and applicable codes where not otherwise indicated.
- Locksets: 38 inch.
 - Push/Pulls: 42 inch.
 - Dead Locks: 48 inch.
 - Push Pad Type Exit Devices: 42 inch.
 - Cross Bar Type Exit Devices: 38 inch.
 - Top Hinge: Jamb manufacturer's standard, but not greater than 10 inches from head of frame to center line of hinge.
 - Bottom Hinge: Jamb manufacturer's standard, but not greater than 12-1/2 inches from floor to center line of hinge.
 - Intermediate Hinges: Equally spaced between top and bottom hinges and from each other.
 - Hinge Mortise on Door Leaf: 1/4 inch. to 5/16 inch from stop side of door.
- C. INSTALLATION OF FINISH HARDWARE
- Hardware is to be installed by experienced finish hardware installers after a pre-installation and pre-wiring meeting between the hardware supplier, lock, exit device and closer manufacturer's representative, electrical contractor, security contractor, hollow metal supplier, wood door supplier and hardware installer. Hardware installer shall have a minimum of

ten (10) years of experience in the installation of finish hardware.

2. Check hardware against the reviewed hardware schedule upon delivery. Store the hardware in a dry and secure location to protect against loss and damage.
3. 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.
4. 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.

3.3 FIELD QUALITY CONTROL

- A. Section 01 40 00 - Quality Requirements: Field inspecting, testing, adjusting, and balancing.
- B. Supplier shall inspect installation and certify hardware and installation has been furnished

3.6 HARDWARE SCHEDULE

HARDWARE GROUP NO. 103S - OFFICE
FOR USE ON DOOR #(S):

101, 100.1

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	VANDL ENTRANCE LOCK	ND92PD RHO (4 keys)	626	SCH
1	EA	OH STOP	450S X SIZE	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 202S - GYM STORAGE
FOR USE ON DOOR #(S):

100.2

PROVIDE EACH PR DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
2	EA	MANUAL FLUSH BOLT	FB458 12"	626	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	VANDL STOREROOM LOCK	ND96PD RHO (4 keys)	626	SCH
2	EA	OH STOP	450S X SIZE	630	GLY
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
1	EA	MEETING STILE	44STST X DOOR HEIGHT	STST	ZER
2	EA	SILENCER	SR64	GRY	IVE

- C. and installed in accordance with manufacturer's instructions and as specified. Contractor shall correct all items noted by inspector.

3.4 ADJUSTING

- A. Section 01 70 00 - Execution and Closeout Requirements: Testing, adjusting, and balancing.
- B. Adjust hardware for smooth operation.
- C. Make adjustments and corrections as required by [Supplier recommendation following inspection.

3.5 PROTECTION OF INSTALLED CONSTRUCTION

- A. Section 01 70 00 - Execution and Closeout Requirements: Protecting installed construction.
- B. Do not permit adjacent work to damage hardware or hardware finish.
- C. The contractor shall use all means at his disposal to protect all finish hardware items from abuse, corrosion and other damage until the owner accepts the project as complete.

HARDWARE GROUP NO. 203 - STORAGE / JANITOR

FOR USE ON DOOR #(S):

105

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	VANDL STOREROOM LOCK	ND96PD RHO (4 keys)	626	SCH
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 301 - FACULTY TOILET

FOR USE ON DOOR #(S):

102

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	PRIVACY	ND40 RHO	626	SCH
1	EA	INDICATOR DEADLOCK	B571	626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. C710 - EXT PR - HM

FOR USE ON DOOR #(S):

107A

PROVIDE EACH PR DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	112XY X DOOR HEIGHT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR9954 HEIGHT AS REQ	689	VON
1	EA	ELECTRICT PANIC HARDWARE	RX-QEL-99-NL LENGTH AS REQ	626	VON
1	EA	PANIC HARDWARE	99-DT LENGTH AS REQ	626	VON
1	EA	MORTISE CYLINDER	20-001 (2 keys)	626	SCH
1	EA	RIM CYLINDER	20-022 (2 keys)	626	SCH
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	RAIN DRIP	142A DW + 4"	AA	ZER
1	EA	JAMB SEAL	328AA-2 PCS DOOR HEIGHT	AA	ZER
1	EA	GASKETING	429AA-S - 1 PC FRAME WIDTH	AA	ZER
1	EA	MULLION SEAL	8780NBK PSA	BK	ZER
2	EA	DOOR SWEEP	39A-DOOR WIDTH	A	ZER
1	EA	THRESHOLD	65A-V3-226 X FRAME WIDTH	A	ZER
1	EA	POWER SUPPLY	PS902 - 9002RS		VON
1	EA	CARD READER	BY DIVISION 28		BYO
1	EA	DOOR CONTACT	BY DIVISION 28		BYO

DOOR NORMALLY CLOSED AND LOCKED. PRESENTING A VALID CREDENTIAL TO THE CARD READER WILL RETRACT THE LATCH ON THE ACTIVE DOOR MOEMENTARILY AND WILL THEN RELATCH AND RELOCK.

HARDWARE GROUP NO. 801 - BOYS/GIRLS

FOR USE ON DOOR #(S):

103 106

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	DEADLOCK	B663 P (4 Keys)	626	IVE
1	EA	PUSH PLATE	8200 4" X 16"	630	IVE
1	EA	PULL PLATE	8303 8" 4" X 16"	626	IVE
1	EA	SURFACE CLOSER	1461 RW/PA TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

MISC ITEMS REQUIRED

PROVIDE THE FOLLOWING:

(10) CONSTR KEYS		SCH
(6) MKYS (PER SET)	KEY	SCH
KEY STAMPING	STAMPING (AS DIRECTED BY OWNER)	SCH

END OF SECTION

**SECTION 10 14 16
CAST BUILDING PLAQUE**

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes cast metal building plaques.
- B. Related Sections:
 - 1. Section 06 10 00 Anchorage into rough carpentry.

1.2 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Requirements for Submittals.
- B. Owner will provide a scaled detailed layout of the Dedicatory Plaque and signage logos in manufacturer's acceptable electronic format.
- C. Shop Drawings: Indicate sign styles, lettering font, foreground and background colors, locations, overall dimensions of each sign.
- D. Manufacturer's Installation Instructions: Submit installation template and attachment devices.

1.3 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- B. Furnish products for each sign form and graphic image process indicated from single manufacturer.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Product storage and handling requirements.
- B. Package items to avoid damage in transit and storage.
- C. Inspect plaques, signs and letters upon delivery for damage and correctness.
- D. Store items inside building prior to installation. Building shall be enclosed and dry.

1.5 COORDINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers:
 - 1. A.R.K. Ramos Architectural Signage Systems; as design basis.
 - 2. Gemini Sign Products, USA.
 - 3. The Southwell Company.
 - 4. Substitutions: Section 01 60 00 - Product Requirements.

2.2 CAST METAL COMPONENTS

- A. Dedicatory Plaques:
 - 1. Metal: Cast from virgin bronze ingots (85-5-5-5 standard U.S. bronze alloy).

- 2. Finish: BR-400, border and faces of raised letters shall be satin finish.
- 3. Plaque shall be chemically cleaned and etched and treated with Alodine and sprayed with two coats of Clear Acrylic Lacquer.
- 4. Size: 24" H x 36" W.
- 5. Border Design: Standard Border 513, raised, double edge band, satin finish.
- 6. Letter Style: "Helvetica Medium", satin finish.
- 7. Background: Dark oxidized background with leatherette texture.
- 8. Mounting: No. 4, flush with concealed anchor for masonry walls.
- 9. Text/Layout: Layout and text to be provided by Owner through the Architect at a later date.
- B. Casting of all plaques shall be free of pits and gas holes.
- C. All letters on plaques shall be sharp and hand tooled.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Verification of existing conditions before starting work.
- B. Verify substrate is acceptable and ready for acceptance of the mounting where plaques, signs, and letters are to be installed.
- C. Verify that proposed installation method is compatible with substrate, and that surface is plumb, even, and within required tolerances.
- D. Notify Architect of unsatisfactory mounting conditions. Do not proceed with installation until unsatisfactory mounting conditions are corrected.

3.2 INSTALLATION

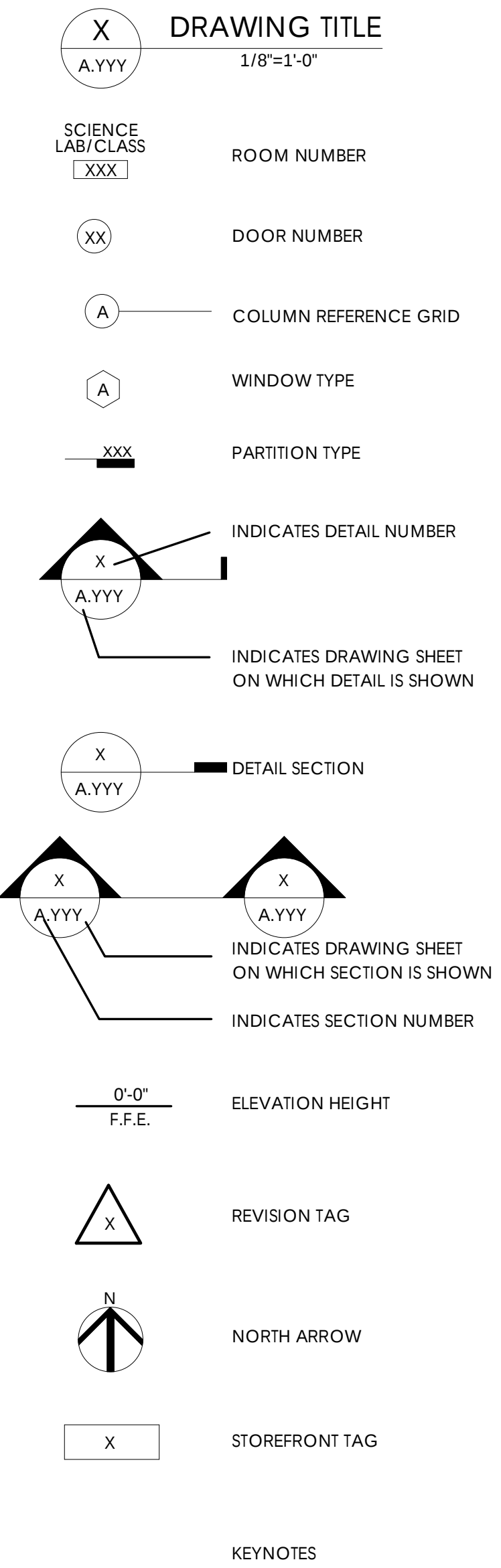
- A. Install plaques in accordance with Manufacturer's instructions.
- B. Ensure plaques, signs, and letters are installed plumb, level, and square, in proper planes with related surfaces.
- C. Clean surfaces in accordance with manufacturer's instructions.

3.3 SCHEDULES

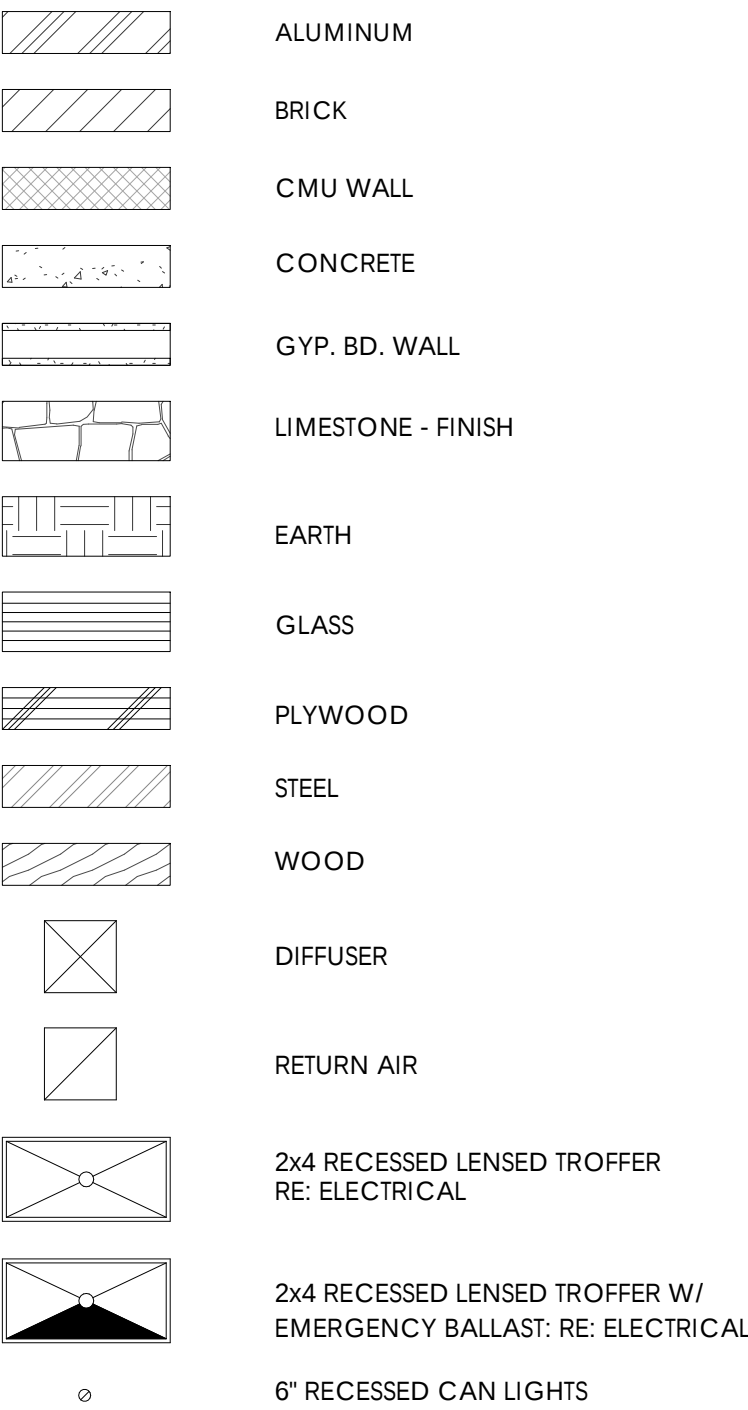
- A. Dedicatory Plaques: Install on interior metal stud partition and rough carpentry at location as directed by Architect.
- B. Reference drawings for location, layout, and other information.

END OF SECTION

GRAPHIC SYMBOLS



MATERIAL DESIGNATION



ABBREVIATIONS

& L C @ < ~ (E)	AND ANGLE CHANNEL AT CENTERLINE DIAMETER/ROUND POUND OR NUMBER EXISTING
ABV ACOUS. ADD. ADJ. AGG. AL. ALT. APPROX. ARCH. ASB. ASPH. AUTO.	ABOVE ACOUSTICAL ADDENDUM ADJUSTABLE ABOVE FINISHED FLOOR AGGREGATE ALUMINUM ALTERNATE APPROXIMATELY ARCHITECT(URE) ASBESTOS ASPHALT AUTOMATIC
BD. BET. BIT. BLDG. BLK. BM. B.S. B.W.	BOARD BETWEEN BITUMINOUS BUILDING BLOCK BEAM BOTH SIDES BOTH WAYS
CAB. CER. C.G. CHAM. C.HT. C.I.P.C. CIR. CLO. CLR. C.M.T. CMU. CNTR. C.O. COL. COMB. CONC. CONN. CONST. CONT. CONTR. CORR. CPT. CSMT. C.T. CTR. CTSK.	CABINET CERAMIC CORNER GUARD CHAMFER CEILING HEIGHT CAST-IN-PLACE CONCRETE CIRCLE CLOSET CLEAR CERAMIC MOSAIC TILE CONCRETE MASONRY UNIT COUNTER CASE OPENING COLUMN COMBINATION CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CONTRACT(OR) CORRIDOR CARPET CASEMENT CERAMIC TILE CENTER COUNTERSUNK
D. DBL. DEMO. DEPT. DIA. DIAG. DIM. DIV. DN. D.O. DR. DS. DTL. D.W. DWG. DWR.	DRAIN DOUBLE DEMOLISH, DEMOLITION DEPARTMENT DIAMETER DIAGONAL DIMENSION DIVISION DOWN DOOR OPENING DOOR DOWNSPOUT DETAIL DISHWASHER DRAWINGS DRAWER
EA. E.J. ELEV. ELEC. EMER. ENCL. EQUIP. ESTIM. EXH. EXP. EXPO. EXST. EXT.	EACH EXPANSION JOINT ELEVATION ELECTRICAL EMERGENCY ENCLOSURE EQUIPMENT ESTIMATE EXHAUST EXPANSION EXPOSED EXISTING EXTERIOR
F.B. F.B.O. F.D. FDN. F.F. FGL. FIN. FL. FLASH. F.O.C. F.O.F. F.O.M. F.O.S. FR. FT. FTS. FURR.	FACE BRICK FURNISHED BY OTHERS FLOOR DRAIN FOUNDATION FINISH FLOOR FIBERGLASS FINISH(ED) FLOOR FLASHING FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUDS FRAME FOOT OR FEET FOOTING FURRING
G.A. GALV. G.C. GCMU GL. GLB. GND. GNR. GR. GT. GYP.	GAUGE GALVANIZED GENERAL CONTRACTOR GLAZED CMU GLASS GLASS BLOCK GROUND GUNS N ROSES GRADE GROUT GYPSUM
H.C. H.D. HDB. HDR. HDW. HDWD. H.M. HORIZ. HR. HT.	HOLLOW CORE HEAVY DUTY HARDBOARD HEADER HARDWARE HARDWOOD HOLLOW METAL HORIZONTAL HOUR HEIGHT
I.D. INCL. INSUL. INT. INV. J. JAN. JT.	INSIDE DIAMETER(DIM) INCLUDE(D)(ING) INSULATION INTERIOR INVERT JOIST JANITOR JOINT
KIT. L. LAB. LAD. LAM. LAV. LBL. LH. LKR. LPT. LT. LTL. MAS. MAX. MECH. MEMB. MFR. MH. MIN. MIR. MISC. M.O. MOD. MT. MTL.	KITCHEN LENGTH LABORATORY LADDER LAMINATE LAVATORY LABEL LEFT HAND LOCKER LOW POINT LIGHT LINTEL MASONRY MAXIMUM MECHANICAL MEMBRANE MANUFACTURER MANHOLE MINIMUM MIRROR MISCELLANEOUS MASONRY OPENING MODULAR MOUNT(ED)(ING) METAL
N.I.C. NO. OR # NOM. N.T.S. O.A. O.C. OD. OFF. OPH. OPNG. OPP. PARA. PART. PBD. PED. PERF. PERI. PL. P.L. P.LAM. PLAS. PLYWD. PR. PRCST. PT. PVMT. Q.T.	NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER(DIM) OFFICE OPPOSITE HAND OPENINGS OPPOSITE PARALLEL PARTITION PARTICLE BOARD PEDESTAL PERFORATED PERIMETER PLATE PROPERTY LINE PLASTIC LAMINATE PLASTER PLYWOOD PAIR PRE-CAST PAINT PAVEMENT QUARRY TILE
R. RAD. R.B. R.D. REF. REFR. REINF.	RISER RADIUS RUBBER BASE ROOF DRAIN REFERENCE REFRIGERATOR REINFORCED
REQ. RESIL. RET. REV. RFG. RFL. RGTR. R.H. RM. R.O. R.O.W.	REQUIRED RESILIENT RETURN REVISION ROOFING REFLECT(ED)(IVE)(OR) REGISTER RIGHT HAND ROOM ROUGH OPENING RIGHT OF WAY
S.C. SCHED. SECT. SH. SHR. SHTH. SIM. SPEC. SPK. SQUARE SS. STD. STL. STOR. STRUCT. SUSP. SYM. SYN. SYS.	SOLID CORE SCHEDULE SECTION SHELF SHOWER SHEATHING SIMILAR SPECIFICATION SPEAKER SQUARE STAINLESS STEEL STANDARD STEEL STORAGE STRUCTURE SUSPENDED SYMBOL SYNTHETIC SYSTEM
T. T.C. T & G. THK. THR. T.O.P. T.O.S. T.O.W. TYP. TZ. VAR. VB. V.B. VERT. VEST. VIN. V.P. V.T. W. WB. W.C. WD. W.H. WIN. W/O WP. W.S. WSCF. W.W.F. WT.	TREAD TOP OF CURB TONGUE AND GROOVE THICK THRESHOLD TOP OF PAVEMENT TOP OF STEEL TOP OF WALL TYPICAL TERRAZZO VARNISH VAPOR BARRIER VINYL BASE VERTICAL VESTIBULE VINYL VENEER PLASTER VINYL TILE WITH WOOD BASE WATER CLOSET WOOD WALL HUNG WINDOW WITHOUT WATER PROOF WATER STOP WAINSCOT WELDED WIRE FABRIC WEIGHT

REFERENCE NOTES...

03 30 00S	Cast-in-Place Concrete, Re: Struct
03 35 43	Polished Concrete Finishing
03 60 00.A1	Non-Shrink Grout, Re: Struct.
04 05 13	Masonry Mortaring
04 20 00.A0	CMU
04 20 00.B3	Single 6" x 8" Bond Beam
04 20 00.Y0	Reinforcing Steel, Re: Struct.
04 23 00.A1	3" x 6" x 6" Hollow Rectangular Glass Block - Clear Pattern
05 12 00	Structural Steel, Re:Struct.
05 12 00.L0	Hollow Steel Section, Re: Struct.
05 40 00	Cold-Formed Metal Framing
05 40 00.D0	Cold Formed Angle
05 40 00.N0	Runner Channel, Match Stud Size/Gauge
05 42 00	Cold-Formed Metal Joist Framing
06 10 00.A1	Wood Blocking As Required
06 10 00.A2	Fire Retardant Treated Solid Blocking/Nailer
06 10 00.P8	5/8" Exterior Grade Plywood Sheathing
06 12 13	Structural Insulated Panels
06 12 13.A	
06 16 00.D10	5/8" Exterior Grade Plywood
06 41 00	Architectural Wood Casework
06 41 00.B1	3/4" Birch Veneer Plywood Cabinet Body
06 41 00.B2	3/4" Birch Veneer Plywood Door
06 41 00.B3	3/4" Birch Veneer Plywood Drawer Front
06 41 00.B4	3/4" Birch Veneer Plywood Shelf
06 41 00.B5	Solid Birch Member
06 41 00.B7	1/4" Thick Birch Veneer Plywood
06 41 00.B8	1/4" Thick Birch Banding
06 41 00.G2	3/4" HDPL Veneer Plywood Door
06 41 00.G3	3/4" HDPL Veneer Plywood Drawer Front
06 41 00.G8	1/4" Thick Hardwood Banding w/ HDPL Veneer
06 41 00.I0	Shelving
06 41 00.I4	Shelf Bracket
06 41 00.J0	Drawer/Door Pull
06 41 00.J1	3-1/2" U Shaped Pull
06 41 00.L3	Medium Duty Drawer Slide
06 61 19	Quartz Surfacing
06 61 19	Fabrications
06 61 19.A0	Quartz Surfacing
06 61 19.B5	Quartz Surfacing Beveled Square Edge
07 19 00	Water Repellants
07 21 13.C0	Polyiso Board Insulation w/ Fiberglass Facer
07 21 16	Blanket Insulation
07 21 16.A0	Sound Batt Insulation
07 21 16.B0	Thermal Batt Insulation
07 21 19	Foamed-in-Placed Insulation
07 21 19.E0	Crack and Crevice Spray Foam Insulation
07 25 00	Gypsum Board Weather Resistant Barrier and Air Barrier
07 25 00.A0	
07 41 13	Metal Roof Panels
07 42 13	Metal Wall Panels
07 42 13.B2	7/8" Corrugated Steel Wall Panel 22 ga. Kynar Finish
07 42 13.C5	
07 42 13.C7	
07 61 00	Sheet Metal Roofing
07 61 00.A0	Standing Seam Seamed Roofing Panel
07 61 00.G3	Eave Flashing
07 61 00.G6	Rake Closure Flashing
07 61 00.H0	Underlayment
07 62 00	Sheet Metal Flashing and Trim
07 62 00.A0	Metal Formed Flashing
07 62 00.C0	Metal Formed Trim
07 71 23	Gutters and Downspouts
07 71 23.N0	Gutter - Profile as Indicated
07 71 23.V2	Precast Concrete Splash Block
07 90 00	Joint Protection
07 90 00.B0	Backer Rod and Sealant
07 95 13.A2	Floor Expansion Joint Cover
08 12 13.13	Standard Hollow Metal Frames
08 12 13.13.A3	5 3/4" Equal Rabbet HM Door Frame

REFERENCE NOTES...

08 12 13.13.F1	Masonry Wire Frame Anchor
08 13 13.13	Standard Hollow Metal Doors
08 13 13.13.A0	Standard Hollow Metal Door
08 14 16	Flush Wood Doors
08 34 63.13	Detention Security Hollow Metal Doors & Frames
08 41 13	Aluminum Framed Storefronts
08 41 13.A0	Aluminum Framing
08 41 13.B1	Aluminum Framing 2"x4-1/2" Thermally Broken
08 41 13.F0	Aluminum Entrance
08 51 13	Aluminum Windows
08 71 00	Door Hardware
08 71 00.K0	Threshold
08 71 00.L5	Door Sweep
08 80 00	Glazing
08 80 00.C0	1/4" Tempered Glass
08 80 00.K0	1" Tempered Low-E Insulated Glazing (Double Silver)
08 80 00.R1	1/4" Tempered Mirror
08 88 53.F0	9/16" Glass-clad Polycarbonate
09 21 16	Gypsum Board Assemblies
09 21 16.A0	7/8" Furring Channel (hat)
09 21 16.A2	7/8" Furring Channel (hat) 20 ga.
09 21 16.F0	3-5/8" Metal Stud, Re: Struct.
09 21 16.F2	3-5/8" Metal Stud 20 ga.
09 21 16.J0	Runner Channel, Match Stud Size/Gauge
09 21 16.K0	Suspended Gypsum Ceiling Framing
09 21 16.N0	5/8" Gypsum Board
09 21 16.N1	5/8" Type X Gypsum Board
09 21 16.N2	5/8" Type X Paperless Gypsum Board
09 21 16.N6	5/8" Type X Backer Board
09 21 16.Q2	J Mould - Mud in
09 30 00	Tiling
09 30 00.A1	Porcelain Tile Base
09 30 00.F0	Glass Mosaic Tile
09 30 00.H0	Glazed Ceramic Wall Tile
09 30 00.J0	Porcelain Wall Tile
09 51 13	Acoustical Panel Ceilings
09 65 00	Resilient Flooring
09 65 00.D0	Vinyl Composition Tile Flooring
09 65 00.J0	Resilient Base
09 65 00.J1	TS Rubber Base
09 65 00.J2	TP Rubber Base
09 65 13.J0	Resilient Base
09 66 23.16	Epoxy Terrazo
09 90 00	Painting and Coating
09 90 00.SWC1	Custom Color Specified
10 21 13.17	Solid Phenolic Toilet Compartments
10 21 13.17.A1	Solid Phenolic Toilet Partition
10 21 13.17.A2	Solid Phenolic Urinal Screen
10 21 14	Plastic Laminate Clad Toilet Compartments
10 26 00.A1	Stainless Steel Corner Guard
10 28 00.A0	Toilet Paper Dispenser
10 28 00.F0	Soap Dispenser
10 28 00.H5	24x36 Stainless Steel Channel Framed Glass Mirror
10 28 00.M0	Grab Bar(s)
10 51 13	Metal Lockers
11 52 13	Projection Screens
11 52 16.26	Video Projectors
11 66 23.A2	Sleeve for Volleyball Standard
11 66 23.B2	Wall Mounted Pad(s)
11 66 24	Basketball Backstops
11 66 24.A4	Overhead Mounted Basketball Backboard Mast
11 66 24.A5	Overhead Mounted Basketball Backboard Mast - Electrically Operated
11 66 24.B0	Pad(s)
11 66 24.D0	Basketball Rim & Net
22 40 00	Plumbing Fixtures, Re: Plumbing
22 42 00	Plumbing Fixtures, Re: Plumbing
22 47 13	Electric Drinking Fountains, Re: Plumb.
23 31 13	Metal Ducts, Re: Mech.
23 33 46	Flexible Ducts, Re: Mech.
23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units, Re: Mech.
26 43 13	Branch Circuit Panelboards, Re: Elec.
26 51 00	Interior Lighting, Re: Elec.
26 51 19	LED Interior Lighting, Re: Elec.
26 56 00	Exterior Lighting, Re: Elec.
28 13 00	Access Contol Systems, Re: Elec.
32 16 23	Concrete Sidewalk, Re: Civil
32 31 13	Chain Link Fences and Gates

DRAWING INDEX

General	G.000 G.001 G.002 G.003	COVER SHEET DRAWING INDEX, NOTES & SYMBOLS CODE ANALYSIS ADA/ITAS GENERAL DETAILS
Demolition	D.100 DS.100	DEMOLITION PLAN AND ELEVATION DEMOLITION SITE PLAN
Architectural Site	AS.100 AS.110 AS.120	ARCHITECTURAL SITE PLAN ENLARGED ARCHITECTURAL SITE PLAN ARCHITECTURAL SITE DETAILS
	A.001 A.002 A.100 A.106 A.106B A.107 A.110 A.200 A.300 A.400 A.500 A.510 A.511 A.520 A.600 A.700	DOOR, FRAME, AND ROOM FINISH SCHEDULES PARTITION TYPES / PLAN DETAIL ANNOTATED FLOOR PLAN FLOOR FINISH PLAN ALTERNATES STRIPING AND EQUIPMENT PLAN ROOF PLAN & DETAILS EXTERIOR ELEVATIONS ENLARGED ELEVATIONS REFLECTIVE CEILING PLAN & DETAILS BUILDING & CANOPY SECTIONS WALL SECTIONS & PARTITION TYPES WALL SECTIONS GENERAL DETAILS INTERIOR ELEVATIONS MILLWORK DETAILS
Structural	S1.0 S1.1 S1.2 S1.3 S2.0 S3.0 S4.0 S5.0 S5.1 S6.0 S6.1	GENERAL NOTES GENERAL NOTES EXCAVATION PLAN COMPONENTS AND CLADDING/ROOF UPLIFT PLAN FOUNDATION PLAN WALL LAYOUT PLAN ROOF FRAMING PLAN FOUNDATION TYPICAL DETAILS STEEL TYPICAL DETAILS DETAILS FRAMING DETAILS
Mechanical	MD01 MDP01 MG01 MP01 MS01	MECHANICAL DETAILS MECHANICAL DEMOLITION FLOOR PLAN MECHANICAL NOTES AND LEGEND MECHANICAL FLOOR PLAN MECHANICAL SCHEDULES
Electrical	ED01 EDP01 EG01 EL01 EP01 ER01 ES1.1 ESS01	ELECTRICAL DETAILS ELECTRICAL POWER DEMO ELECTRICAL LEGEND ELECTRICAL LIGHTING FLOOR PLAN ELECTRICAL POWER FLOOR PLAN ELECTRICAL RISER ELECTRICAL SITE PLAN ELECTRICAL SPECIAL SYSTEMS
Plumbing	PD01 PG01 PP01 PP02 PPD01	PLUMBING DETAILS PLUMBING LEGEND PLUMBING SEWER & VENT FLOOR PLAN PLUMBING DOMESTIC WATER FLOOR PLAN PLUMBING DEMO PLAN

ADD 1

GENERAL NOTES

1. REFER TO SHEET G.001 FOR FULL LIST OF REFERENCE NOTES
2. REFER TO STRUCTURAL FOR ADDITIONAL CONCRETE SLAB/FOUNDATION INFORMATION.
3. REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION.
4. REFER TO PLUMBING FOR ADDITIONAL FLOOR DRAIN INFORMATION.

100% : FOR
CONSTRUCTION

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Proj. # 2022-01

E.C.I.S.D.
VILLAREAL ELEMENTARY
GYM ADDITION

4014 N. DOOLITTLE RD. EDINBURG, TX 78542

DRAWN BY: EZ

ISSUED 10/19/22
DATE:

REVISION / ADDENDA

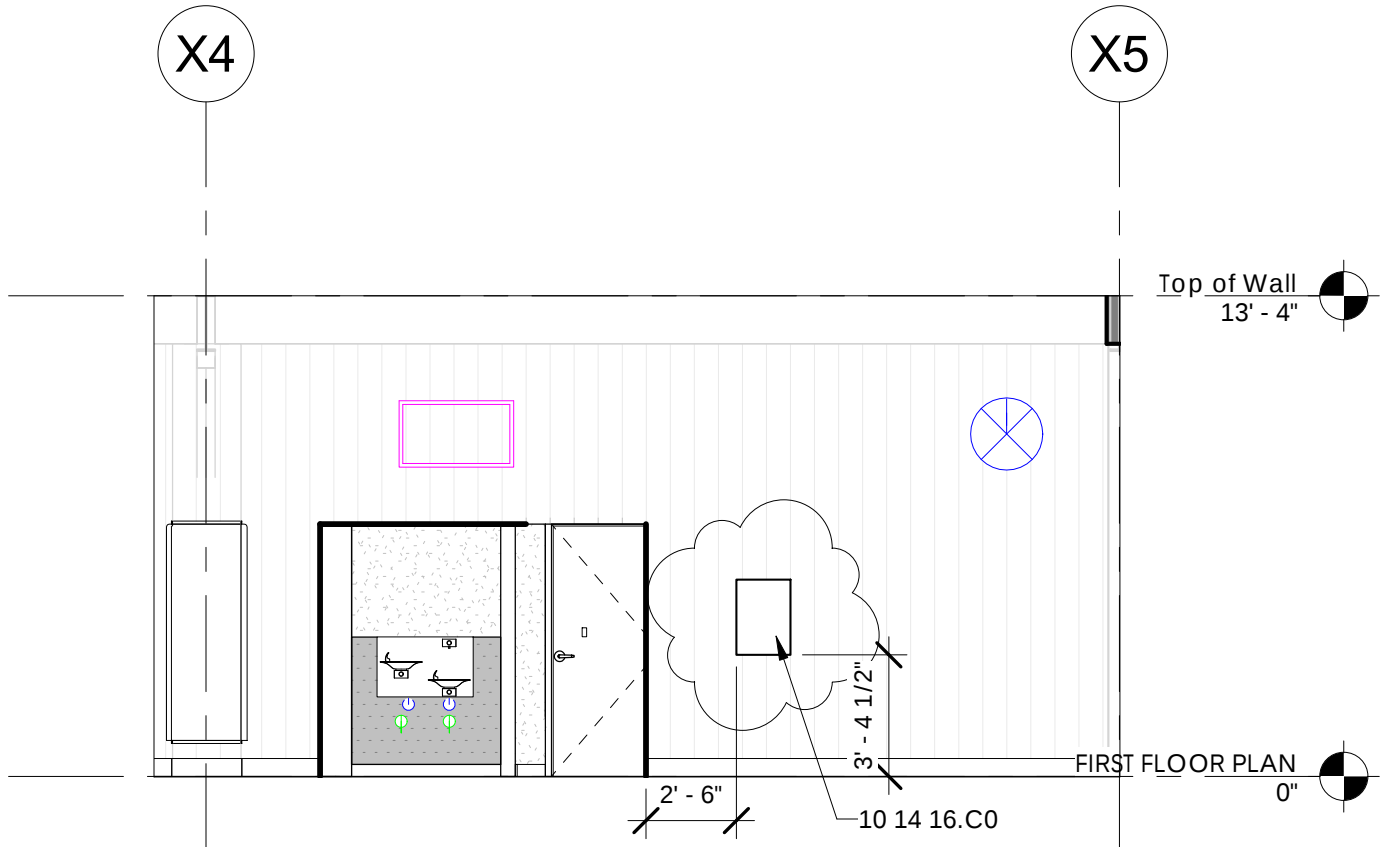
NO.	DATE	DESCRIPTION
1	11/7/22	ADD 1

DRAWING INDEX,
NOTES & SYMBOLS

G.001

REFERENCE NOTES

10 14 16.C0 Cast Dedicatory Plaque



1 DEDICATORY PLAQUE LOCATION
EX.01 SCALE: $\frac{3}{16}'' = 1'-0''$ REF: A.100



11/7/22

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SCALE: $\frac{3}{16}'' = 1'-0''$

REF: ADD 1

DATE: 11/07/22

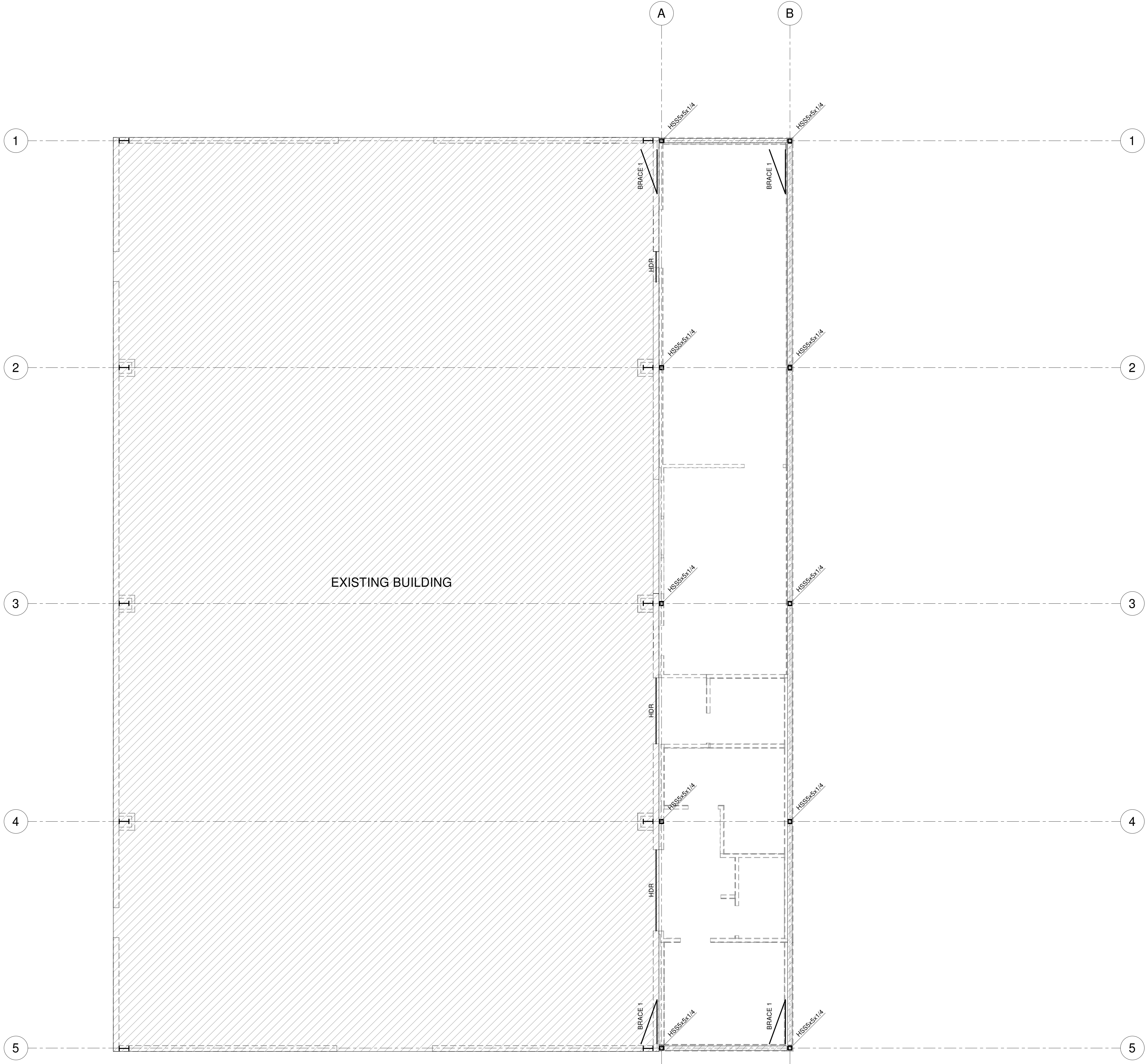
DRAWN BYEZ

PROJ. NO.: 2022-01

REF SHEET NO.:

EXHIBIT NO.:

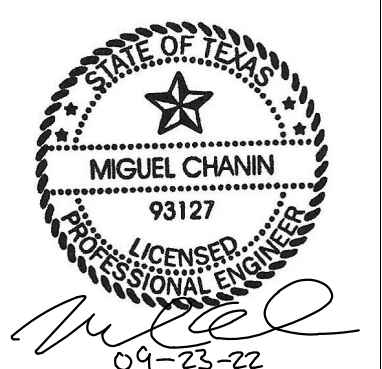
EX.01



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Project #22143

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DRAWN BY: EC		
ISSUED	09/23/22	
DATE:		
REVISION / ADDENDA		
NO.	DATE	DESCRIPTION
1	11/04/22	Addendum #1

WALL LAYOUT PLAN

S3.0

- WALL LAYOUT NOTES:**
1. IF ANY DISCREPANCIES ARE FOUND BETWEEN THESE DRAWINGS AND THE ARCHITECTURAL DRAWINGS THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER BEFORE COMMENCING CONSTRUCTION.
 2. FOR TYPICAL WALL CONSTRUCTION SEE SHEET S3.0
 3. [Symbol] INDICATES NOVIDESA PANELS BY OTHERS.
 4. FOR SPECIAL INSPECTION REQUIREMENTS SEE GENERAL NOTES.
 5. ALL TOP OF WALLS FROM FINISH FLOOR ELEVATION 0'-0".
 6. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION, LENGTH, AND HEIGHT OF ALL OPENINGS IN WALLS.
 7. FOR CONTROL JOINT LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
 8. [Symbol] INDICATES BRACE, SEE SHEET S5.1 FOR MORE INFORMATION

1 WALL LAYOUT PLAN
3/16" = 1'-0"