

**ADDENDUM  
NO. 2**

**November 13, 2024**

**WHITING MIDDLE SCHOOL - ROOF REPLACEMENT  
Whiting, IN 46394**

**TO: ALL BIDDERS OF RECORD**

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated October 25, 2024 by Fanning Howey Associates, Inc. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2-1 and attached Addendum No. 2 from Fanning Howey Associates, Inc. dated November 12, 2024 and consisting of 2 pages, Specifications Section 08 71 00 – Door Hardware, and 2 drawings.

**A. SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS**

**1. Add:**

Specification Section 08 71 00 – Door Hardware

**B. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY**

**A. BID CATEGORY NO. 1 – GENERAL TRADES**

**1. Add:**

Specification Section 08 71 00 – Door Hardware

ADDENDUM NO. 2

Whiting Middle School – Roof Replacement

School City of Whiting  
Whiting, Indiana

Project No. 224151.00

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Addendum No. 2, 3 items, 1 page  
New Project Manual Section: 08 71 00 – Door Hardware  
Revised Drawing Sheets: A1.1A and A1.3A

Date: November 12, 2024

I hereby certify that this Addendum was prepared by me or under my direct supervision and that I am a duly registered Architect/Engineer under the Laws of the State of Indiana.

FANNING/HOWEY ASSOCIATES, INC.  
ARCHITECTS/ENGINEERS/CONSULTANTS



Paul A. Miller, License No. AR10800161  
Expiration Date: 12/31/2025

TO: ALL BIDDERS OF RECORD

ADDENDUM NO. 2 to Drawings and Project Manual, dated October 25, 2024, for Whiting Middle School – Roof Replacement for School City of Whiting, 1500 Center Street, Whiting, Indiana 46394; as prepared by Fanning/Howey Associates, Inc., Indianapolis, Indiana.

This Addendum shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes, and modifications change the original Contract Documents only in the amount and to the extent hereinafter specified in this Addendum.

Each bidder shall acknowledge receipt of this Addendum in his proposal or bid.

NOTE: Bidders are responsible for becoming familiar with every item of this Addendum. (This includes miscellaneous items at the very end of this Addendum.)

RE: ALL BIDDERS

ITEM NO. 1. PROJECT MANUAL, TABLE OF CONTENTS

- A. Page 00 01 10-1, DIVISION 08: Add Section 08 71 00 – Door Hardware.

ITEM NO. 2. NEW PROJECT MANUAL SECTIONS

- A. New Project Manual Section: 08 71 00 – Door Hardware is included with and hereby made a part of this Addendum.

ITEM NO. 3. REVISED DRAWING SHEETS

- A. Drawing Sheets: A1.1A and A1.3A have been revised, dated 11/12/24, and are included with and hereby made a part of this Addendum. These Drawings supersede the original documents.

END OF ADDENDUM

WHITING SCHOOL (LOCK REPLACEMENT)  
WHITING, IN

SECTION 08 71 00 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:
  - 1. Swinging doors.
- B. Door hardware includes, but is not necessarily limited to, the following:
  - 1. Mechanical door hardware.
- C. Related Sections:
  - 1. Division 08 Section "Door Hardware Schedule".
- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
  - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
  - 2. ICC/IBC - International Building Code.
  - 3. NFPA 70 - National Electrical Code.
  - 4. NFPA 80 - Fire Doors and Windows.
  - 5. NFPA 101 - Life Safety Code.
  - 6. NFPA 105 - Installation of Smoke Door Assemblies.
  - 7. State Building Codes, Local Amendments.
- E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:
  - 1. ANSI/BHMA Certified Product Standards - A156 Series.
  - 2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
  - 3. ANSI/UL 294 - Access Control System Units.
  - 4. UL 305 - Panic Hardware.
  - 5. ANSI/UL 437- Key Locks.

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1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing, fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
  - 1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
  - 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
  - 3. Content: Include the following information:
    - a. Type, style, function, size, label, hand, and finish of each door hardware item.
    - b. Manufacturer of each item.
    - c. Fastenings and other pertinent information.
    - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
    - e. Explanation of abbreviations, symbols, and codes contained in schedule.
    - f. Mounting locations for door hardware.
    - g. Door and frame sizes and materials.
    - h. Warranty information for each product.
  - 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.
- D. Informational Submittals:
  - 1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

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1.4 CLOSEOUT SUBMITTALS

- A. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.
- B. Project Record Documents: Provide record documentation of as-built door hardware sets in digital format (.pdf, .docx, .xlsx, .csv) and as required in Division 01, Project Record Documents.

1.5 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).
- C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
- E. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
  - 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
- F. Each unit to bear third party permanent label indicating compliance with the referenced testing standards.
- G. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
  - 1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of

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their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.

2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
3. Review sequence of operation narratives for each unique access controlled opening.
4. Review and finalize construction schedule and verify availability of materials.
5. Review the required inspecting, testing, commissioning, and demonstration procedures

- H. At completion of installation, provide written documentation that components were applied according to manufacturer's instructions and recommendations and according to approved schedule.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.7 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.8 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship

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within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:

1. Structural failures including excessive deflection, cracking, or breakage.
  2. Faulty operation of the hardware.
  3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
  4. Electrical component defects and failures within the systems operation.
- C. Warranty Period: Unless otherwise indicated, warranty shall be one year from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.
- B. Keying System: Each type of lock and cylinders to be factory keyed.
1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
  2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
  3. New System: Key locks to a new key system as directed by the Owner.

### 2.2 MORTISE LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): Provide ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed mortise locksets. Listed manufacturers shall meet all functions and features as specified herein.
1. Manufacturers:
    - a. Sargent Manufacturing (SA) - 8200 Series.

### 2.3 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
  2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
  3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.



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4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.

B. Standards: Comply with the following:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Bored Locks and Latches: BHMA A156.2.
3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
4. Dustproof Strikes: BHMA A156.16.

2.4 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. Exit devices shall have a five-year warranty.
2. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
3. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
4. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
5. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
6. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.
  - a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
  - b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.
7. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
8. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
9. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
10. Rail Sizing: Provide exit device rails factory sized for proper door width application.
11. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.

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- B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed exit devices. Listed manufacturers shall meet all functions and features as specified herein.

1. Manufacturers:

- a. Corbin Russwin Hardware (RU) - ED4000 / ED5000 Series.
- b. Sargent Manufacturing (SA) - 80 Series.

2.5 SURFACE DOOR CLOSERS

- A. All door closers specified herein shall meet or exceed the following criteria:

1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.

- B. Door Closers, Surface Mounted (Cam Action): ANSI/BHMA 156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, high efficiency door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be of the cam and roller design, one piece cast aluminum silicon alloy body with adjustable backcheck and independently controlled valves for closing sweep and latch speed.

1. Manufacturers:

- a. Corbin Russwin (RU) - DC5000 Series.
- b. Norton Rixson (NO) - 2800ST Series.
- c. Sargent Manufacturing (SA) - 422 Series.

2.6 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

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- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
  - 1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
  - 1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Manufacturers:
  - 1. Pemko (PE).

2.7 FABRICATION

- A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.8 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

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PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
  - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
  - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
  - 2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
  - 3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
  - 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- D. Push Plates and Door Pulls: When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.

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- E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- F. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 FIELD QUALITY CONTROL

- A. Field Inspection (Punch Report): Reference Division 01 Sections "Closeout Procedures". Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.
  - 1. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.

3.5 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.6 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with

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corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

1. Quantities listed are for each pair of doors, or for each single door.
2. The supplier is responsible for handing and sizing all products.
3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
4. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.

B. Manufacturer's Abbreviations:

1. MK - McKinney
2. SA - SARGENT
3. NO - Norton
4. RO - Rockwood
5. PE - Pemko
6. OT - Other

**Hardware Sets**

**Set: 1.0**

NOT USED

**Set: 2.0**

Doors: [A-130a](#), [A-130b](#), [A-130c](#), [A-130d](#)

3 Hinge, Full Mortise	TA2714 (Size & qty per spec, NPR as req'd)	US26D	MK
1 Classroom Lock	8237 LNL	US32D	SA
1 Keyed Cylinder	Match/expand existing-type as req'd.		
1 Cam Surface Closer	PS2800ST (Push side)	689	NO
1 Kick Plate	K1050 =8",10",12" high CSK BEV	US32D	RO
1 Seals	S88BL		PE

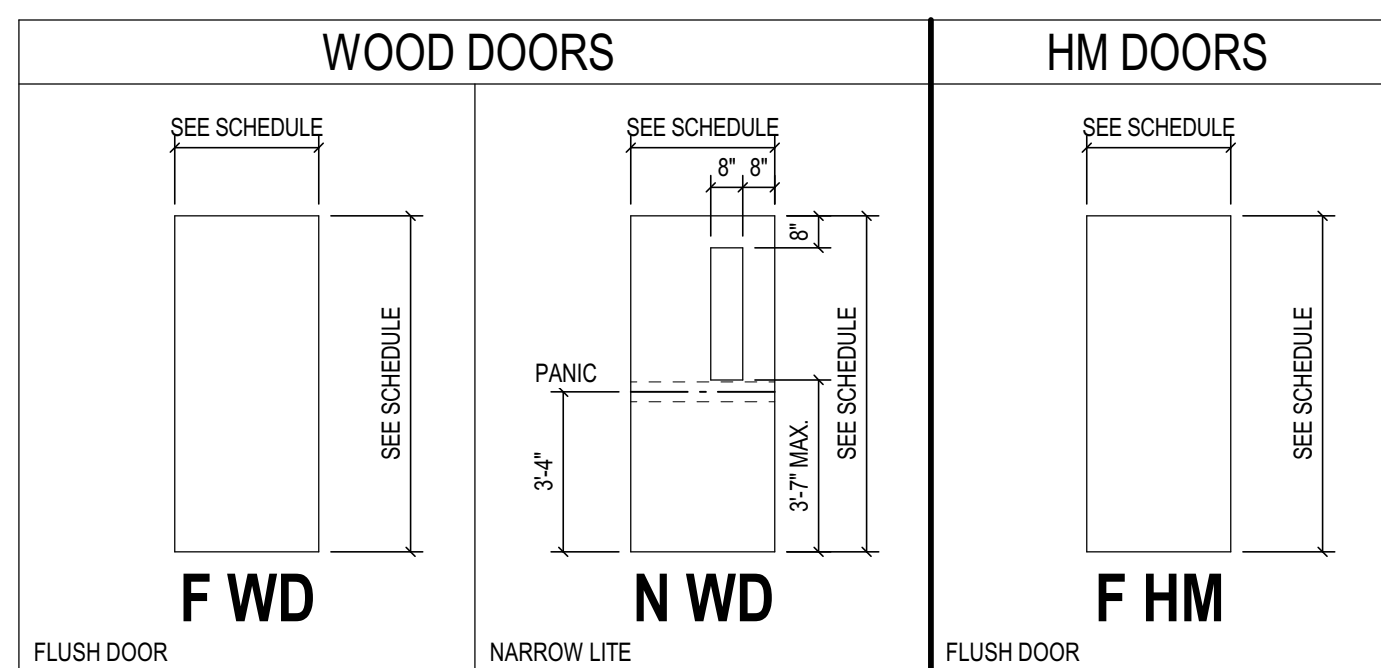
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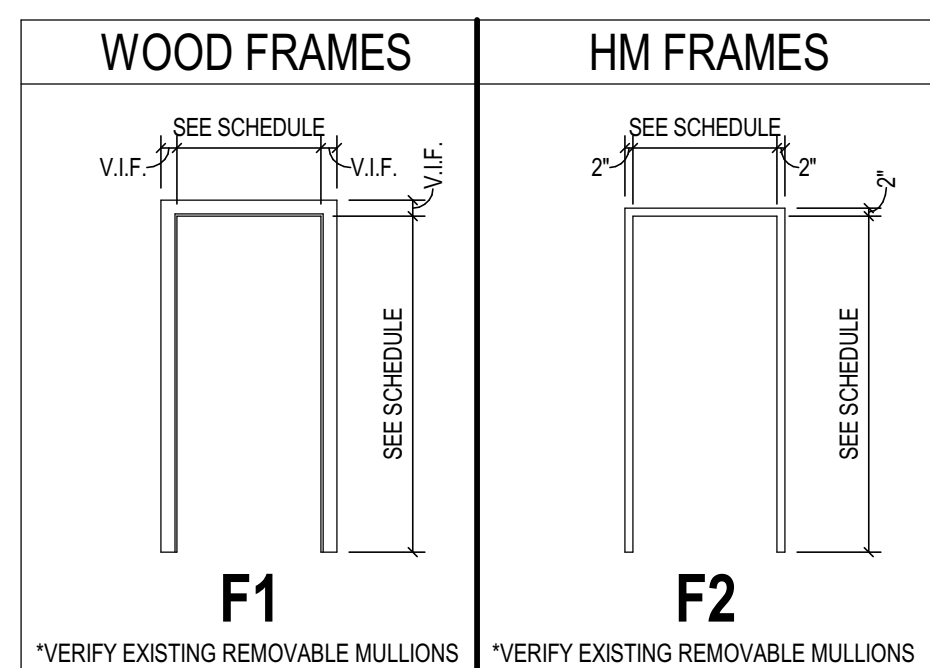
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END OF SECTION 08 71 00



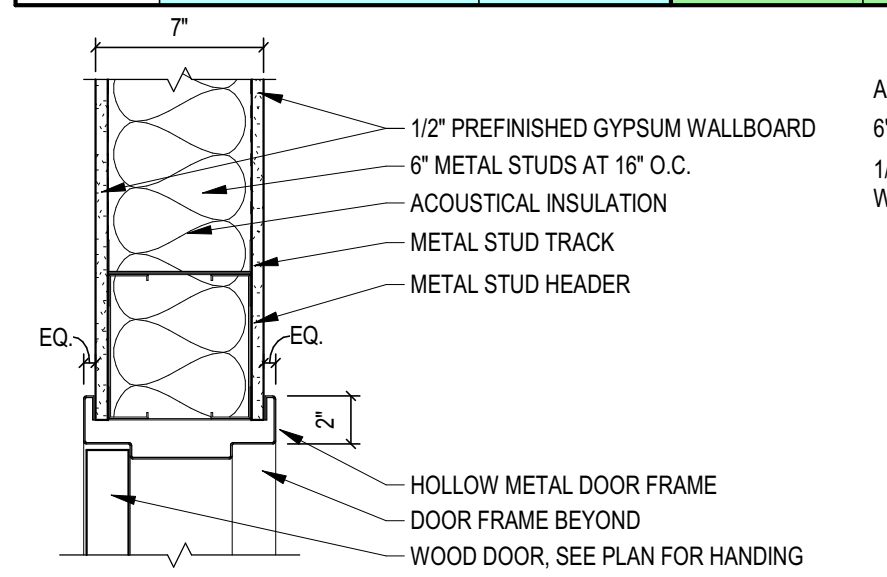
**LEGEND - DOOR TYPES**



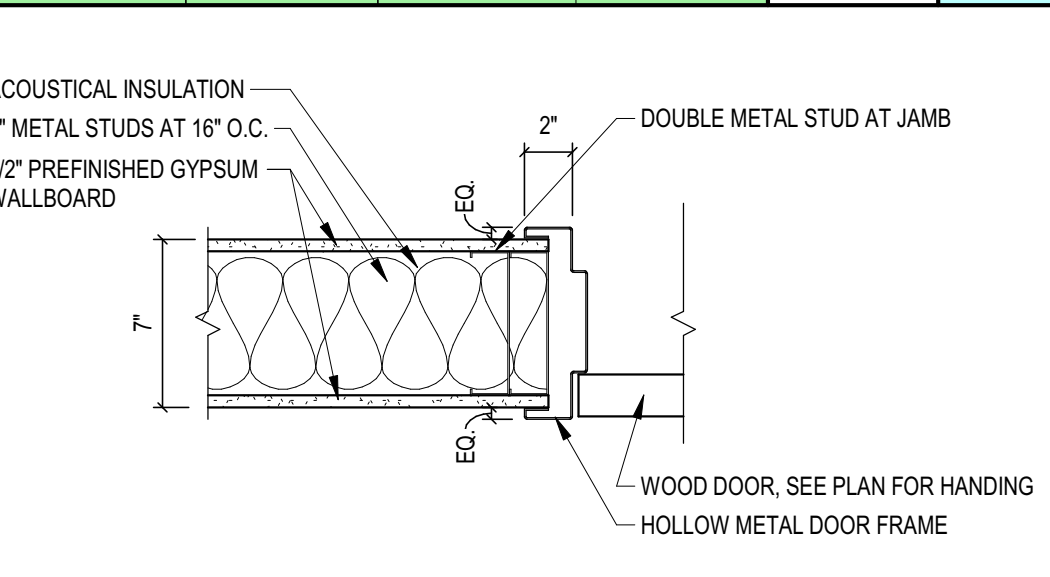
**LEGEND - FRAME TYPES**

**DOOR AND FRAME SCHEDULE - TEMPORARY CLASSROOMS**

DOOR MARK	DOORS		FRAME			FIRE RATING	HARDWARE		STC RATING	REMARKS	DOOR MARK
	DOOR SIZE (WxH)	DOOR TYPE	FRAME MATERIAL	FRAME ELEVATION	FRAME DETAILS		SET NO.	KEYSIDE ROOM			
A-127	PR 2'-6" x 7'-0"	N WD	WD	F1	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	A-127
A-129	3'-0" x 7'-0"	N WD	WD	F1	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	A-129
A-130	3'-0" x 7'-0"	N WD	WD	F1	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	A-130
A-130a	3'-0" x 7'-0"	F WD	HM	F2	H1	J1					A-130a
A-130b	3'-0" x 7'-0"	F WD	HM	F2	H1	J1					A-130b
A-130c	3'-0" x 7'-0"	F WD	HM	F2	H1	J1					A-130c
A-130d	3'-0" x 7'-0"	F WD	HM	F2	H1	J1					A-130d
A-133	PR 3'-0" x 7'-0"	N WD	WD	F1	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	A-133
A-151	PR 3'-0" x 7'-0"	F HM	HM	F2	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	A-151



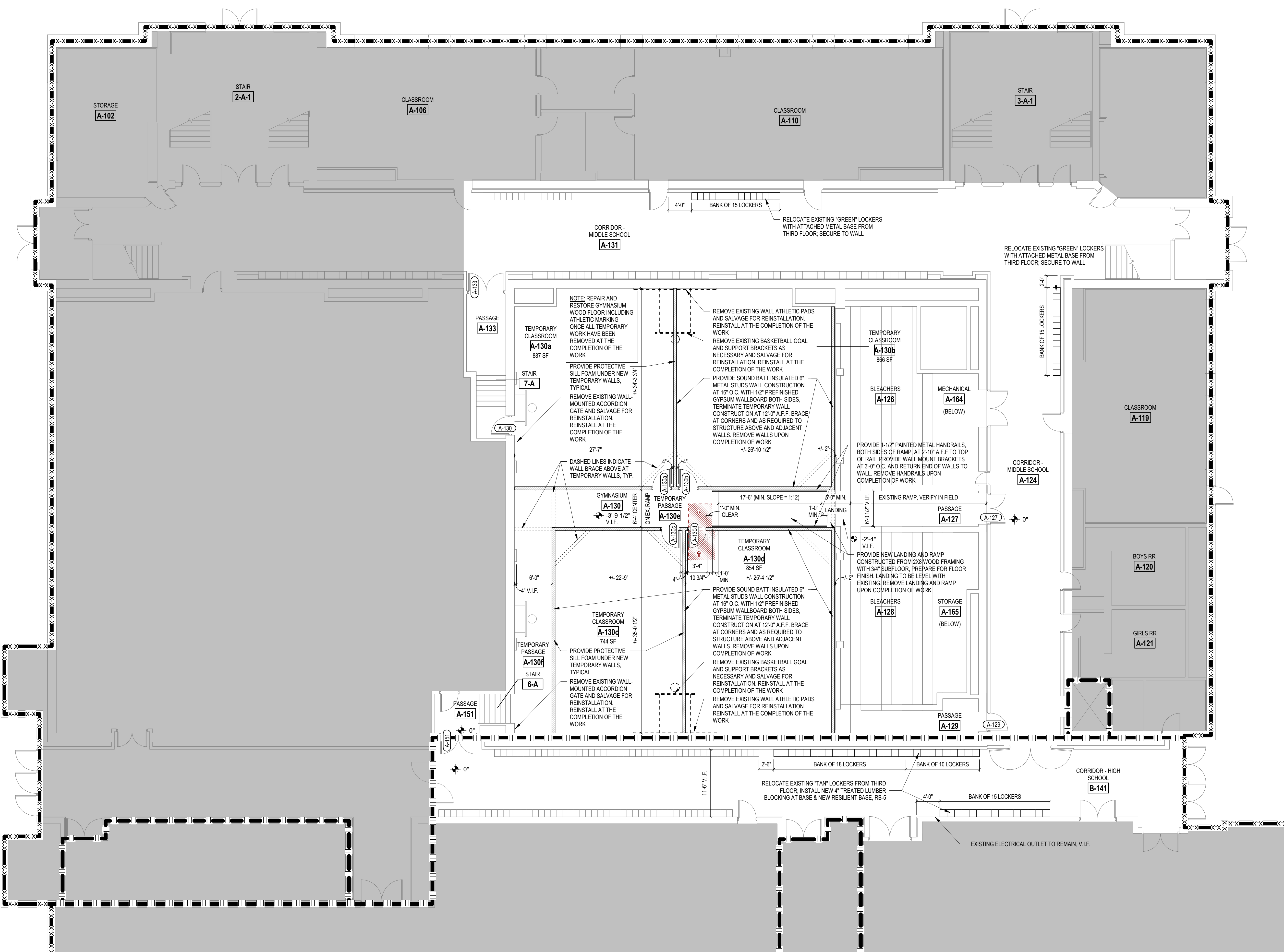
**H1 - HEAD DETAIL**



**J1 - JAMB DETAIL**

NOTE: SEE PROJECT 224023.01 WHITING HIGH SCHOOL - AUDITORIUM IMPROVEMENTS FOR PREVIOUSLY ISSUED WORK, INCLUDING BUT NOT LIMITED TO: DEMOLITION WORK FROM THE CEILING AND ABOVE AND NEW ROOF WORK ABOVE THE DECK.

NOTE: SEE A1.00 OVERALL BUILDING AERIAL FOR BUILDING CODE INFORMATION AND LIFE SAFETY LEGEND.



**1 UNIT 'A' FIRST FLOOR PLAN**

SCALE: 1/8" = 1'-0"

**ARCHITECTURAL PLAN GENERAL NOTES**

- A. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- B. WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE.
- C. THE ELEVATIONS INDICATED WITHIN THIS PROJECT UTILIZE ELEVATIONS SET IN THE 1984 ADDITIONS AND RENOVATION DRAWINGS.
- D. ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (NO. 10) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS PER PROJECT MANUAL, AND MINERAL WOOL AT THE NON-RATED WALLS, TO ALLOW FOR DEFLECTION.
- E. ALL DIMENSIONS ON FLOOR PLANS ARE TO FINISH FACE OF CMU, CONCRETE, BRICK OR FINISH FACE OF GIBB AT METAL STUD WALLS, UNLESS NOTED OTHERWISE.
- F. SET REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS AND DETAIL REFERENCES.
- G. REFER TO ROOM FINISH SCHEDULE OR PLAN AND EQUIPMENT PLANS FOR LOCATION AND EXTENT OF FINISH FLOOR MATERIALS.
- H. PROVIDE WOOD BLOCKING AS REQUIRED, WITHIN METALWOOD STUD WALLS FOR WALL MOUNTED ITEMS.
- I. REFER TO FLOOR PLANS FOR CODE INFORMATION AND FIRE RATED WALL LOCATIONS.
- J. PROVIDE SPRAY FOAM INSULATION AND THERMAL BARRIER CONTINUOUS AT INTERSECTION OF EXTERIOR WALLS AND DECK.

**ARCHITECTURAL PLAN NOTES**

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

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**WHITING MIDDLE SCHOOL - ROOF REPLACEMENT**

1800 NEW YORK AVENUE  
WHITING, IN 46394

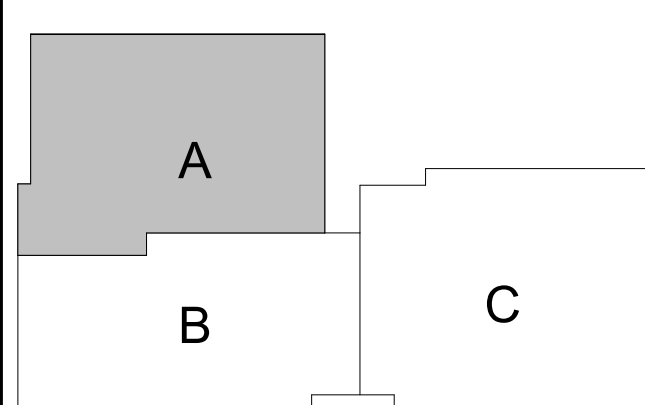
**SCHOOL CITY OF WHITING**



**ARCHITECT**

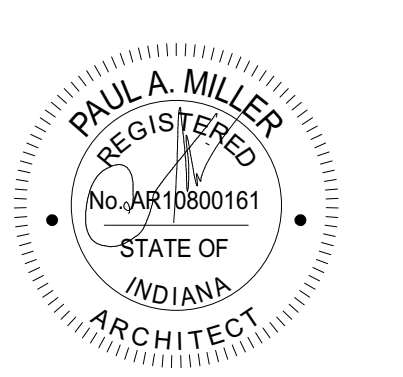


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**KEY PLAN**

**CONSTRUCTION DOCUMENTS**



PROJECT MANAGER: NWW  
DRAWN BY: AML  
PROJECT NUMBER: 224151.00  
PROJECT ISSUE DATE: 10-25-2024

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	11.05.2024
2	ADDENDUM #2	11.12.2024

**VERIFICATION NOTE**  
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.  
SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

**UNIT 'A' FIRST FLOOR PLAN**

**A1.1A**

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# WHITING MIDDLE SCHOOL - ROOF REPLACEMENT

1800 NEW YORK AVENUE  
WHITING, IN 46394

SCHOOL CITY OF WHITING

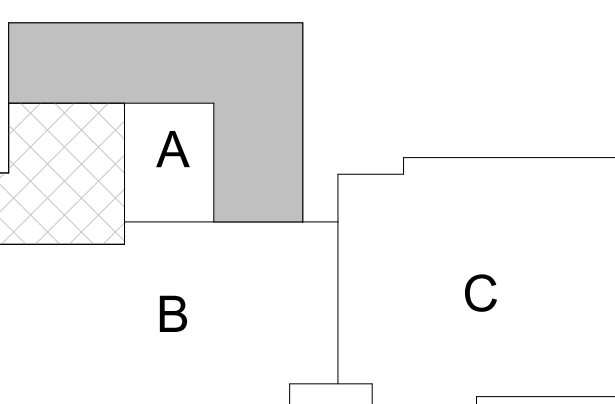


ARCHITECT



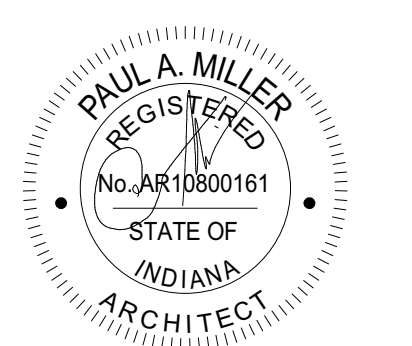
317-848-0966 WWW.FHAI.COM

390 E NEW YORK ST, STE#300, INDIANAPOLIS, IN 46204



KEY PLAN

CONSTRUCTION DOCUMENTS



PROJECT MANAGER: NWW  
DRAWN BY: NWW  
PROJECT NUMBER: 224151.00  
PROJECT ISSUE DATE: 10-25-2024

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	11.05.2024
2	ADDENDUM #2	11.12.2024

UNIT 'A' THIRD FLOOR PLAN

# A1.3A

**ARCHITECTURAL PLAN GENERAL NOTES**

- A. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- B. WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE.
- C. THE ELEVATIONS INDICATED WITHIN THIS PROJECT UTILIZE ELEVATIONS SET IN THE 1984 ADDITIONS AND RENOVATION DRAWINGS.
- D. ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (UNO) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS PER PROJECT MANUAL, AND MINERAL WOOL AT THE NON-RATED WALLS, TO ALLOW FOR DEFLECTION.
- E. ALL DIMENSIONS ON FLOOR PLANS ARE TO FINISH FACE OF CMU, CONCRETE, BRICK OR FINISH FACE OF GIBB AT METAL STUD WALLS, UNLESS NOTED OTHERWISE.
- F. SEE REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS AND DETAIL REFERENCES.
- G. REFER TO ROOM FINISH SCHEDULE OR PLAN AND EQUIPMENT PLANS FOR LOCATION AND EXTENT OF FINISH FLOOR MATERIALS.
- H. PROVIDE WOOD BLOCKING AS REQUIRED, WITHIN METALWOOD STUD WALLS FOR WALL MOUNTED ITEMS.
- I. REFER TO FLOOR PLANS FOR CODE INFORMATION AND FIRE RATED WALL LOCATIONS.
- J. PROVIDE SPRAY FOAM INSULATION AND THERMAL BARRIER CONTINUOUS AT INTERSECTION OF EXTERIOR WALLS AND DECK.

NOTE:  
SEE A1.00 OVERALL BUILDING AERIAL FOR BUILDING CODE INFORMATION AND LIFE SAFETY LEGEND.

NOTE:  
SEE PROJECT 224023.01 WHITING HIGH SCHOOL - AUDITORIUM IMPROVEMENTS FOR PREVIOUSLY ISSUED WORK, INCLUDING BUT NOT LIMITED TO, DEMOLITION WORK FROM THE CEILING AND ABOVE AND NEW ROOF WORK ABOVE THE DECK.

**ARCHITECTURAL PLAN NOTES**

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

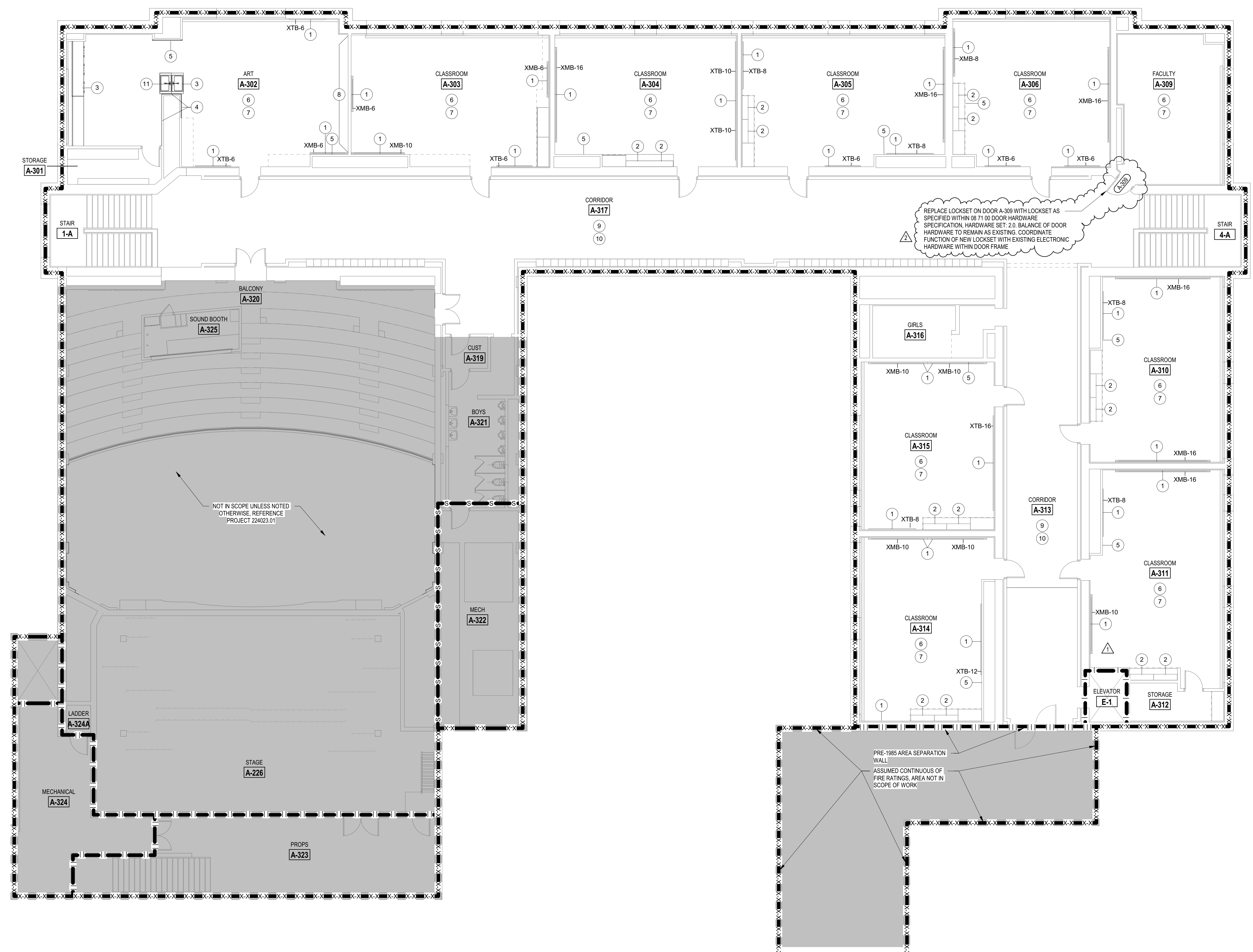
- 1. BASE BID: EXISTING VISUAL DISPLAY UNIT TO REMAIN. ALTERNATE #1 BID: REINSTALL SALVAGED VISUAL DISPLAY UNIT, INCLUDING BUT NOT LIMITED TO, VISUAL DISPLAY BOARD, DISPLAY RAIL, TRAYS, AND FLAG MOUNTS/FLAGS. REINSTALL AT PREVIOUS LOCATION AND MOUNTING HEIGHT, UNLESS NOTED OTHERWISE.
- 2. REINSTALL SALVAGED WALL-MOUNTING SHELVING, INCLUDING BUT NOT LIMITED TO, STANDARDS, BRACKETS, AND SHELVES. REINSTALL AT PREVIOUS LOCATION AND MOUNTING HEIGHT, UNLESS NOTED OTHERWISE.
- 3. PROVIDE NEW CASEWORK. SEE FINISH PLANS AND ELEVATIONS FOR MORE INFORMATION.
- 4. PROVIDE NEW TILE BACKER BOARD OVER EXISTING WALL FRAMING. SEE FINISH PLANS FOR NEW TILE INFORMATION.
- 5. PROVIDE NEW 5/8" GYPSUM WALLBOARD OVER EXISTING WALL FRAMING. INFILL EXISTING WALL FRAMING AS NECESSARY WITH NEW WALL FRAMING. SEE FINISH PLANS FOR MORE INFORMATION.
- 6. BASE BID: SEE FINISH PLANS FOR NEW WALL FINISH. ALTERNATE #1 BID: PROVIDE NEW 1/4" GYPSUM WALLBOARD AT ALL WALL AND BULKHEAD SURFACES AT LOCATION OF REMOVED WALLCOVERING. PREPARE SURFACES TO RECEIVE NEW PAINTED FINISH. SEE FINISH PLANS. PROVIDE 1/4" TEAR AWAY L BEAD/TRIM AT LOCATIONS WHERE NEW GYPSUM WALLBOARD ABUTS AN EXISTING CONDITION, INCLUDING BUT NOT LIMITED TO, EXISTING CASEWORK, WINDOW SILLS, PAINTED WALL MURAL, MECHANICAL EQUIPMENT, DOOR FRAMES, WINDOW FRAMES, ETC.
- 7. ALTERNATE #1 BID: REMOVE ALL WALL-MOUNTED DEVICES AS NECESSARY FOR INSTALLATION OF NEW GYPSUM WALLBOARD, INCLUDING BUT NOT LIMITED TO, CLOCKS, ELECTRICAL OUTLETS, SWITCHES, SENSORS, MECHANICAL DIFFUSERS/GRILLES, ETC. EXTEND ROUGH-INS AS NECESSARY AND REINSTALL ALL WALL-MOUNTED DEVICES.
- 8. EXISTING WALL MURAL TO REMAIN. PROTECT THROUGHOUT DURATION OF WORK.
- 9. BASE BID: SEE FINISH PLANS FOR NEW WALL FINISH. ALTERNATE #1 BID: PROVIDE NEW 1/4" GYPSUM WALLBOARD AT ALL WALL AND BULKHEAD SURFACES AT LOCATION OF REMOVED WALLCOVERING. PREPARE SURFACES TO RECEIVE NEW PAINTED FINISH. SEE FINISH PLANS. PROVIDE 1/4" TEAR AWAY L BEAD/TRIM AT LOCATIONS WHERE NEW GYPSUM WALLBOARD ABUTS AN EXISTING CONDITION, INCLUDING BUT NOT LIMITED TO, EXISTING CASEWORK, WINDOW SILLS, PAINTED WALL MURAL, MECHANICAL EQUIPMENT, DOOR FRAMES, WINDOW FRAMES, TRANSITION TO EXISTING WALL TILE, ETC.
- 10. ALTERNATE #3 BID: REMOVE ALL WALL-MOUNTED DEVICES AS NECESSARY FOR INSTALLATION OF NEW GYPSUM WALLBOARD, INCLUDING BUT NOT LIMITED TO, CLOCKS, ELECTRICAL OUTLETS, SWITCHES, SENSORS, MECHANICAL DIFFUSERS/GRILLES, ETC. EXTEND ROUGH-INS AS NECESSARY AND REINSTALL ALL WALL-MOUNTED DEVICES.
- 11. PROVIDE (2) SINK FAUCETS (CENTERED BETWEEN SINK BOWLS) AS REQUIRED. EXTEND 1/2" HOT AND COLD WATER FROM EXISTING ROUGH-INS TO EACH SINK FAUCET. MAKE FINAL CONNECTIONS AS REQUIRED. SINK FAUCETS SHALL BE CHICAGO MODEL 786-QN10AESWV60CP OR APPROVED EQUAL. MANIFOLD (2) SINK OUTLETS TOGETHER AND ROUTE TO UNDERCOUNTER POINT-OF-USE SOLIDS INTERCEPTOR ZURN MODEL Z-1180 OR APPROVED EQUAL. EXTEND OUTLET PIPING TO EXISTING WASTE ROUGH-IN AT EXISTING WALL. MAKE FINAL CONNECTION AS REQUIRED. PROVIDE BALL-TYPE SHUTOFF VALVES ON HOT AND COLD WATER SUPPLIES.



**VERIFICATION NOTE**

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.



**1 UNIT 'A' THIRD FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

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