

ADDENDUM # 1**DATE:** 06/01/2026**PROJECT:** Indiana State University Hulman Center Locker Room Renovations**RATIO PROJECT NUMBER:** 26029.000**OWNER:**

Indiana State University
Facilities Management
951 Sycamore Street
Terre Haute, Indiana 47809
(812) 237-8100

ARCHITECT:

RATIO ARCHITECTS, INC.
101 South Pennsylvania Street
Indianapolis, IN 46204-3684
(317) 633-4040

MEPT ENGINEER:

R.E. Dimond & Associates, Inc.
732 N Capitol Avenue
Indianapolis, IN 46204
(317) 634-4672

This Addendum is issued in accordance with the provisions of Contract Documents and becomes a part of the Contract Documents as provided therein. The information contained herein modifies the original Bidding Documents dated **May 15, 2026** and all prior Addenda as applicable. Requirements of the original Bidding Documents and previous Addenda remain in effect except as modified by this Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

PART 1 – GENERAL CLARIFICATIONS

1. List of Bidder questions to date provided in separate attachment.

PART 2 - PROJECT MANUAL CHANGES

1. 00 01 10 – TABLE OF CONTENTS
 - a. Delete existing TABLE OF CONTENTS for Hulman Center Interior Upgrades and replace with Table of Contents specific to Hulman Center Interior Upgrades – Locker Room Package.
 - b. Add Section 08 11 13 Hollow Metal Doors and Frames.
 - c. Add Section 08 31 13 Access Doors and Frames.
 - d. Add Section 11 30 13 Residential Appliances.
2. 00 10 00 – NOTICE TO BIDDERS
 - a. Bid Numbers have been added for both of the bid packages.
 - b. Bid package listings have been rearranges to be in order of bid date.
3. 00 10 10 – INSTRUCTIONS TO BIDDERS
 - a. Paragraph 1.01 C has been revised to reflect duration of project. Said duration is applicable to both bid packages.
4. 00 20 00 – BID FORM – LOCKER ROOM UPGRADES
 - a. Added ISU Bid Number.
 - b. Corrected Alternates (four alternates).
 - c. Corrected Allowances (two allowances).
5. 00 30 00 – ISU SPECIAL REQUIREMENTS AND INFORMATION
 - a. Delete subparagraph 1.18.B.2.
6. 01 10 00 – SUMMARY OF WORK

- a. The project location has been incorporated.
- b. The description of work for both of the bid packages has been incorporated.
- c. Add list of alternates for both bid packages.
- 7. 01 23 00 – ALTERNATES
 - a. Corrected alternates to reflect both bid packages.
- 8. 01 23 60 – ALLOWANCES
 - a. Corrected allowances (two allowances).
- 9. 08 11 13 – HOLLOW METAL DOORS AND FRAMES
 - a. Insert new section 08 11 13 “Hollow Metal Doors and Frames” into Project Manual.
- 10. 08 31 13 – ACCESS DOORS AND FRAMES
 - a. Insert new section 08 31 13 “Access Doors and Frames” into Project Manual.
- 11. 08 41 26.23 – INTERIOR ALL-GLASS ENTRANCES
 - a. Add sliding all-glass entrances.
- 12. 10 14 19 – DIMENSIONAL LETTER SIGNAGE
 - a. Add cutout acrylic letters.
- 13. 10 51 00 – LOCKERS
 - a. Changed Basis-of-Design product from Dynasty to Dynasty+.
- 14. 11 30 13 – RESIDENTIAL APPLIANCES
 - a. Insert new section 11 30 13 “Residential Appliances” into Project Manual.

PART 3 - DRAWING CHANGES

- 15. G-002.2 – SHEET INDEX AND PROJ LOCATION
 - a. Update General Project Notes.
- 16. A-001.1 – GENERAL NOTES, SYMBOLS, AND STANDARD MOUNTING HEIGHTS
 - a. Update General Architectural Notes.
- 17. A-002.1 – INTERIOR PARTITION TYPES AND FINISH SCHEDULE
 - a. Remove unused partition types.
 - b. Door schedule, legends, and notes added.
- 18. A-401 - ENLARGED PLAN AND RCP - MBB LOCKER ROOM
 - a. Access panel location and light fixture alignment adjusted in MBB LKR WET 124.
 - b. Decorative Screen wall slat dimensions modified.
 - c. Text note modified regarding door opening infill.
 - d. Text note modified regarding demo of existing doors.
 - e. Edits made to General Ceiling Plan Notes.
 - f. Demo Note #12 modified.
- 19. A-402 - ENLARGED PLAN AND RCP - WBB LOCKER ROOM
 - a. (1) light fixture added and access panel location adjusted in WBB LKR WET 169.
 - b. Room tag added to WBB LKR GROOMING 168.
 - c. Demo note #12 modified.
 - d. Door tag added to Storage 170.
- 20. A-451 - INTERIOR ELEVATIONS - MBB LOCKER ROOM
 - a. Lines drawn in elevation A1 to illustrate cabinet construction modification.
 - b. Edits made to General Ceiling Plan Notes.
 - c. Detail reference E1 added to elevation B7.
- 21. A-454 INTERIOR DETAILS
 - a. Edits made to detail F6 to make it ADA accessible.
- 22. A-455 INTERIOR DETAILS
 - a. Detail C6 added.
 - b. Detail E1 added.
- 23. P301 Enlarged Plan – MBB Locker Room - Plumbing
 - a. Revise shut off and balance valve locations.
 - b. Revise plan note 22.
 - c. Reissue sheet in its entirety.

24. P-302 Enlarged Plan – WBB Locker Room - Plumbing
 - a. Revise shut off and balance valve locations.
 - b. Revise plan note 16
 - c. Revise piping to showers.
 - d. Reissue sheet in its entirety.
25. M401.1 Enlarged Plan – MBB Locker Room - Mechanical
 - a. Existing ACCU serving ductless split in adjacent space to be re-supported and shifted as required for installation of new ceiling at higher elevation.
 - b. Reissue sheet in its entirety.
26. E-401.1 Enlarged Plan – MBB Locker Room - Electrical
 - a. Revise location of ceiling-mounted occupancy sensor in MBB Lkr Groom 123.
 - b. Revise location of light fixture type F31 in MBB Lkr Wet 124.
 - c. Reissue sheet in its entirety
27. E-402.1 Enlarged Plan – WBB Locker Room - Electrical
 - a. Add dimmer switch (black finish) for fixture F74 in WBB Lkr Recovery/Lounge 167.
 - b. Reissue sheet in its entirety.
28. E-601.1 Schedules – Electrical
 - a. Light fixture types F31, F31B, F31X, and F31XB – remove ‘3/4-inch drop circular ring’ from description.
 - b. Light fixture types F31 and F31x – add ACT to mounting.
 - c. Reissue sheet in its entirety.

PART 4 – PREVIOUS ADDENDA

1. N/A.

PART 5 – ATTACHMENTS

- A. Drawing Sheets (by division):
 1. G-002.2, A-001.1, A-002.1, A-401, A-402, A-451, A-454, A-455, A-456, A-700
 2. P301, P-302
 3. M401.1
 4. E-401.1, E-402.1, E-601.1
- B. Specifications
 1. 00 01 10 – TABLE OF CONTENTS
 2. 00 10 00 – NOTICE TO BIDDERS
 3. 00 10 10 – INSTRUCTIONS TO BIDDERS
 4. 00 20 00 – BID FORM – LOCKER ROOM UPGRADES
 5. 00 30 00 – ISU SPECIAL REQUIREMENTS AND INFORMATION
 6. 01 10 00 – SUMMARY OF WORK
 7. 01 23 00 – ALTERNATES
 8. 01 23 60 – ALLOWANCES
 9. 08 11 13 – HOLLOW METAL DOORS AND FRAMES
 10. 08 31 13 – ACCESS DOORS AND FRAMES
 11. 08 41 26.23 – INTERIOR ALL-GLASS ENTRANCES
 12. 10 14 19 – DIMENSIONAL LETTER SIGNAGE
 13. 10 51 00 – LOCKERS
 14. 11 30 13 – RESIDENTIAL APPLIANCES
- C. Supplemental Documents:
 1. 2026-06-01 ISU Bidder Matrix and Questions - ADDENDUM 01

END OF ADDENDUM # 1

00 01 10
HULMAN CENTER INTERIOR UPGRADES – LOCKER ROOM PACKAGE
TABLE OF CONTENTS

DIVISION 00 BIDDING REQUIREMENTS

- 00 10 00 Notice to Bidders
- 00 10 10 Instructions to Bidders
- 00 10 20 Certification Regarding Suspension, Debarment, Ineligibility and Voluntary Exclusion
- 00 10 30 MBE/WBE/VBE Compliance Instructions
- 00 10 40 MBE/WBE/VBE Participation Plan
- 00 10 41 Tier II Spend Reporting Form
- 00 10 45 Bidders Certification of Authorized Employment
- 00 10 50 Sample ISU/Contractor Contract for Construction
- 00 20 00a Bid Form – Locker Room
- ~~00 20 00b Bid Form – Premium Seating~~
- 00 20 10 Sample AIA A201 2007
- 00 20 11 Amendments to General Conditions (AIA A201 2007)
- 00 20 20 Supplementary General Conditions
- 00 30 00 ISU Special Requirements and Information

DIVISION 01 GENERAL REQUIREMENTS

- 01 10 00 Summary of Work
- 01 23 00 Alternates
- 01 23 60 Allowances
- 01 25 00 Contract Considerations
- 01 31 00 Coordination and Meetings
- 01 32 00 Submittals and Substitutions
- 01 32 00A Request for Substitution
- 01 32 00B Claims Waiver – Electronic Data Use
- 01 40 00 Quality Control
- 01 41 00 Testing Laboratory Services
- 01 42 00 Definitions and Standards
- 01 50 10 Temporary Facilities for Renovation Projects
- 01 60 00 Materials and Equipment
- 01 70 00 Field Engineering
- 01 73 10 Cutting and Patching
- 01 74 19 Construction Waste Management and Disposal
- 01 77 00 Contract Closeout

DIVISION 02 EXISTING CONDITION

- 02 41 14 Selective Demolition

DIVISION 03 CONCRETE

- ~~03 30 00 Cast in Place Concrete~~
- 03 54 16 Hydraulic Cement Underlayment

DIVISION 04 MASONRY

- Note Used

DIVISION 05 METALS

- ~~05 12 00 Structural Steel~~
- ~~05 31 50 Steel Floor Deck~~
- ~~05 41 00 Structural Cold Formed Metal Wall Framing~~

HULMAN CENTER INTERIOR UPGRADES – LOCKER ROOM PACKAGE
TABLE OF CONTENTS

05 50 00 Metal Fabrication

05 70 00 Decorative Metal

~~05 73 13 Glazed Decorative Metal Railings~~

DIVISION 06 WOOD, PLASTIC AND COMPOSITES

06 10 53 Miscellaneous Rough Carpentry

06 40 23 Interior Architectural Woodwork

06 41 13 Wood-Veneer-Faced Architectural Cabinets

~~06 41 16 Plastic Laminate Glazed Architectural Cabinets~~

06 42 16 Flush Wood Paneling

DIVISION 07 THERMAL AND MOISTURE PROTECTION

07 92 00 Joint Sealants

DIVISION 08 DOORS AND WINDOWS

08 31 13 Access Doors and Frames

08 41 26.23 Interior All-Glass Entrances

08 87 00 Glazing Film

DIVISION 09 FINISHES

09 05 61.13 Moisture Vapor Emission Control

09 22 16 Non-Structural Metal Framing

09 29 00 Gypsum Board

09 30 13 Ceramic Tiling

09 51 13 Acoustical Panel Ceilings

~~09 64 23 Wood Flooring~~

09 65 13 Resilient Base and Accessories

09 65 19 Resilient Tile Flooring

~~09 67 43 Liquid Rubber Flooring~~

09 68 13 Tile Carpeting

09 84 33 Sound Absorbing Wall Units

09 84 36 Sound Absorbing Ceiling Units

09 91 00 Painting

09 96 00 High Performance Coatings

DIVISION 10 SPECIALTIES

10 11 00 Visual Display Units

10 14 19 Dimensional Letter Signage

10 21 13.17 Phenolic Toilet Compartments

10 28 19 Tub and Shower Enclosures

10 51 00 Lockers

DIVISION 11 EQUIPMENT

11 30 13 Residential Appliances

DIVISION 12 FURNISHINGS

12 36 61.16 Solid Surfacing Countertops

~~12 61 00 Fixed Audience Seating~~

DIVISION 13 SPECIAL CONSTRUCTION

Not Used

00 01 10
HULMAN CENTER INTERIOR UPGRADES – LOCKER ROOM PACKAGE
TABLE OF CONTENTS

DIVISION 14 CONVEYING SYSTEMS

Not Used

DIVISION 20 COMMON

- 20 00 10 Common Work Results for Fire Suppression, Plumbing and HVAC
- 20 00 50 Common Materials and Methods for Fire Suppression, Plumbing and HVAC
- 20 00 60 Common Pipe, Valves, Fittings and Hangers for Fire Suppression, Plumbing and HVAC
- 20 01 80 Common Insulation for Plumbing and HVAC

DIVISION 21 FIRE PROTECTION

- 21 10 00 Water-Based Fire Suppression

DIVISION 22 PLUMBING

- 22 11 19 Domestic Water Piping Specialties
- 22 13 19 Sanitary Waste Piping Specialties
- 22 40 00 Plumbing Fixtures

DIVISION 23 HVAC

- 23 05 93 Testing and Balancing
- 23 21 13 Hydronic Piping Systems
- 23 31 13 Metal Ducts
- 23 33 00 Air Duct Accessories
- 23 37 13 Diffusers, Registers, Grills and Louvers
- 23 43 01 Air Purifiers

DIVISION 26 ELECTRICAL

- 26 05 00 Common Work Results for Electrical
- 26 05 02 Selective Demolition
- 26 05 19 Low Voltage Wire and Cable
- 26 05 26 Grounding and Bonding
- 26 05 33 Raceway and Boxes
- 26 09 23 Lighting Control
- 26 27 26 Wiring Devices
- 26 28 13 Low Voltage Fuses
- 26 28 16 Safety Switches
- 26 29 13 Enclosed Motor Starters
- 26 51 00 Interior Lighting

DIVISION 27 COMMUNICATIONS

- 27 00 10.00 General Requirements for Communications
- 27 01 00.00 Operations and Maintenance of Communications Systems
- 27 05 01.00 Basic Materials and Methods for Communications
- 27 05 28.00 Pathways for Communications Systems
- 27 05 50.00 Firestopping for Communications Systems
- 27 05 53.00 Identification for Communications Systems
- 27 08 10.00 Verification Testing of Structured Cable
- 27 15 13.00 Communication Copper Horizontal Cabling
- 27 15 33.00 Communication Coaxial Horizontal Cabling
- 27 16 00.00 Communications Connecting Cords, Devices and Adapters

HULMAN CENTER INTERIOR UPGRADES – LOCKER ROOM PACKAGE
TABLE OF CONTENTS

27 41 11.00 Audio and Video Systems Cabling

DIVISION 28 ELECTRONIC SAFETY AND SECURITY

28 05 00 Common Work Results for Electronic Safety and Security

28 31 12 Fire Alarm Addressable for Renovation Projects

00 10 00
NOTICE TO BIDDERS

Sealed proposals are requested for the Hulman Center Interior Upgrades projects which consists of two separate bids. One package is for **Premium Seating (Bid Number B0028749)** and the other is for **Locker Room Renovations (Bid Number B0028750)** proposals. Each packages is being bid **separately**. Bids for the above contracts are to be submitted to the Office of the Procurement Department, Indiana State University, Facilities Management and Procurement Building, 951 Sycamore Walk, Terre Haute, Indiana 47809. Bids for the **Premium Seating package will be received until 2:00pm Local Time on June 15, 2026. Bids for the Locker Room Renovations package will be received until 2:00pm Local Time on June 18, 2026.** There will be no in-person Public Bid Opening. The Bids will be opened at 2:15pm Local Time on the due date and read aloud via Teams conference call. For conference call access call 812-228-8187 and enter conference **ID 654 260 799 followed by the # for the Premium Seating package and conference e ID 754 735 125 followed by # for the Locker Room Renovations package.**

Bidding Documents may be downloaded from the ISU Plan Room at <http://www.indstateplanroom.com/> on Tuesday, May 26, 2026 for \$5.50 per person/download which covers all downloads for that particular Project. Bidders must register for a free account the first time they access the website. Bid Documents may be ordered for purchase on CD, for \$7.50 per CD, or on paper copy at applicable printing costs from Rapid Reproductions, Inc., 129 South 11th Street, Terre Haute, IN 47807 (812-238-1681 Toll Free 800-736-7084).

Proposals are to be made on the Bid Form published in the Project Manual, based on Form 96 (Revised), as prescribed by the State Board of Accounts. As a mandatory requirement the Proposal shall be accompanied by a certified check; cashier's check or a Bid Bond (AIA A310) for an amount not less than 5% of the total bid price for Base Bid(s) and all add Alternates. See Section 00 10 10 Instructions to Bidders 3.01 for Bid Bond Requirements

Bidder(s) receiving awards shall be required to provide acceptable surety in the form of a Performance and Labor and Materials Payment Bond for the full amount of the award. Include the cost of all bonds and insurance in the Bid amount.

Indiana State University is a Tax Exempt Institution and Indiana Sales Tax for products permanently incorporated in work shall not be included as part of the Bid or on any Application for Payment.

All Bidders must comply with All State and Federal Non-Discrimination laws.

Responsive bidders may not have an active dispute, claim, or litigation with Indiana State University.

Indiana State University reserves the right to accept or reject any Bid and to waive any irregularities in Bidding. Any proposal received after the time fixed herein shall be returned unopened.

No bid may be withdrawn after the opening of Bids without the consent of Indiana State University for a period of One Hundred Twenty (120) days after the time of opening Bids.

There will not be an actual Pre-Bid conference meeting for the Project. A copy of a Pre-Bid Information sheet will be included with the Bidding Documents. Bidders shall review the information sheet and the contained information will become a part of the Bidding Documents.

Pre-Bid site visits have been scheduled at 10:00 am Local Time on June 2, 2026 at the Hulman Center, Terre Haute, Indiana 47809. While masks are not required on the ISU campus or in campus buildings attendees are reminded to practice social distancing whenever possible. *Representatives of each of the Bidders are strongly urged to attend.*

Contract Award shall be to a Single Prime Bidder for all single Base Bid project work or the Contract Award may be to multiple Single Prime Bidders for multiple Base Bid Package project work. The prime Bidder(s) shall be an experienced and qualified Contractor(s) having successfully completed a minimum of three (3) projects of similar size and scope. The Bid form for this Project requires the Bidder to submit evidence of successful installation of similar projects (minimum of three projects), including customer information, scope, dates, Contract dollar amounts. With their Bid the Bidder shall submit their most current audited financial statement and vendor trade credit references as evidence of financial capability to perform the work.

00 10 00
NOTICE TO BIDDERS

All questions relating to this Project shall be addressed to:

Lora Teagarden

Phone 317-275-6968 E-mail lteagarden@ratiodesign.com

INDIANA STATE UNIVERSITY BOARD OF TRUSTEES

By: Seth Hinshaw

Vice President for Finance and Administration and University Treasurer
Indiana State University

END OF SECTION 00 10 00

00 10 10
INSTRUCTIONS TO BIDDERS

...PART 1 - INSTRUCTIONS TO BIDDERS

1.01 GENERAL

- A. Bidders shall carefully read the Notice to Bidders with regard to preparation of proposals, which includes the date and place for receiving proposals. See PART 3 of this Section 00 10 10 Instructions to Bidders for a complete list of the required forms for Bidding.
- B. All Bidders shall fully inform themselves of the conditions under which the work is to be performed, the site of the work, the obstacles that may be encountered, and other relevant matters concerning the work to be performed.
- C. The Contractor shall begin Work within seven (7) days after Award preparing submittals and procuring material. **Actual Work shall begin on or about June 25, 2026 with all Work substantially completed by October 16, 2026.** Final closeout shall be within thirty (30) calendar days thereafter. A warranty walk-thru may be held eleven (11) months from the date of substantial completion.
- D. No Bidder, after being awarded the contract, shall be allowed any extra compensation for reason of their failure to fully inform themselves, prior to their Bidding, of all requirements of the Contract Documents, the Drawings, and Specifications.
- E. If any Bidder for the proposed contract is in doubt as to the true meaning of any part of the Drawings, Specifications or their proposed Contract Documents, they may submit to the Owner written request for any interpretation thereof. The Bidder submitting the request will be responsible for its prompt delivery. Any interpretation of the proposed documents will be made only by an Addendum duly issued. A copy of such Addendum will be posted to the ISU Plan Room and e-mail notification sent to each registered plan holder (see 1.07 of this Section). Such Addendum, if any, issued before submission of the Bids, shall be taken into account and included in the proposal.
- F. Any Bidder may withdraw their Bid at any time prior to the scheduled time for the receipt of bids.
- G. No Bidder may withdraw their Bid or proposal for a period of One Hundred Twenty (120) calendar days after date and time set for opening Bids.
- H. It is understood that the Owner reserves the right to waive any irregularities in Bidding and to accept or reject any or all Bids.
- I. It is further understood on Bids with multiple Bid Packages the Owner reserves the right to selectively Award individual Bid Packages to multiple Prime Bidders submitting the lowest and best Bids for the individual Bid Packages.

1.02 EXAMINATION OF SITE AND BIDDING DOCUMENTS

- A. The site shall be carefully examined prior to bidding to ascertain the location of the work, existing conditions, and all other matters which may affect the work under this Contract. Each Bidder by making their Bid represents that they have visited the site and familiarized themselves with the local conditions under which the Work is to be performed.
- B. The Bidding Documents shall be carefully examined to ascertain the character, quality and quantity of the work to be performed, of materials and items to be furnished, of equipment and facilities needed during construction, of utilities and of all other matters which may affect the work under the Contract. Each Bidder by making their Bid represents that they have read and fully understands the Bidding Documents.

00 10 10
INSTRUCTIONS TO BIDDERS

1.03 PRE-BID CONFERENCE

- A. There will be an actual Pre-Bid conference. A pre-bid site visit will be held to allow Bidders' to visit the site. All questions, even if asked and answered at the pre-bid site visit, shall be submitted in writing via e-mail to the Project main contact and Owner.
- B. An Addendum will be issued confirming any information conveyed at pre-bid site visit and no verbal response tendered during pre-bid site visit shall have legal standing unless so confirmed by Addendum.
- C. Additional site visits may be arranged with the Project's Main Contact or Owner's Main Contact.

1.04 BIDDING QUESTIONS

- A. Questions regarding the Bidding Documents and Project shall be submitted in writing via e-mail to the Project main contact and Owner. An Addendum will be issued to respond to all questions received. No verbal or direct e-mail response shall have legal standing unless so confirmed by Addendum.
- B. The last day for questions to be submitted shall be three (3) business days prior to the scheduled date for the receipt of Bids. Any questions submitted after that date may not receive consideration.

1.05 EXECUTION OF AGREEMENT

- A. For all Projects the forms of agreement which the successful Bidder, as Contractor, will enter into will be an ISU Award Letter, an ISU Purchase Order and a Contract for Construction. Prior to issuance of the Purchase Order the Contractor shall provide to the Director of Purchasing the Labor and Material Performance Bond, their most current financial statement and vendor trade credit references as evidence of financial capability to perform the work and the policies of insurance or insurance certificates as required by the Contract Documents and listed in the Award Letter. All Bonds and Insurance shall have an A.M. Best rating of not less than an "A". Once all the required paperwork has been received by ISU Purchasing and the Purchase Order issued, an electronic PDF copy of the Contract for Construction Between Indiana State University and Contractor, will be e-mailed to the Contractor for their signature and return to the Department of Facilities Management Contract Administrator for forwarding to the Senior Vice President for Finance and Administration for Owner signature. A fully executed copy of this Contract will be returned to the Contractor via e-mail for their files.
- B. Time Limits for Execution of Agreement.
 - 1. The successful Bidder shall supply the required paperwork (their Financial Statement (if not supplied with their Bid), Certificate of Insurance and their Performance and Payment Bond) to the ISU Purchasing Department within ten (10) calendar days after receipt of the ISU Award Letter.
 - 2. The successful Bidder shall within seven (7) calendar days after receipt of the Contract for Construction Between Indiana State University and Contractor enter into the written Contract to perform the work in accordance with the Drawings and Specifications by signing and returning the Contract to the Department of Facilities Management Contract Administrator for forwarding to the Vice President for Finance and Administration for Owner's signature and return to the Bidder.
- C. In the case a Bidder whose Bid is accepted, fails to perform their Bid by providing the required paperwork within ten (10) calendar days after receipt of the Award Letter and entering into the written Contract with the Owner within seven (7) calendar days after receipt, then this failure may be cause for their certified check, draft or Bid Bond, and the proceeds thereof, to remain the absolute property of the Owner, as liquidated damages, it being impossible to estimate the amount of damages such failure would occasion.

00 10 10
INSTRUCTIONS TO BIDDERS

1.06 INDEMNIFICATION

- A. Bidders, in consideration of the privilege of Bidding, specifically waive all rights both legal and equitable which they have or might be construed to have against Indiana State University because of any action taken in accepting or rejecting bids and proposals, for themselves, and /or for subcontractors, suppliers and/or manufacturers, who may file an action based on any such acceptance or rejection. Bidders shall be liable for any resultant reasonable attorney fees and expenses incurred by Indiana State University.

1.07 ADDENDA

- A. All Addenda for the Project will be posted on the ISU Plan Room at: <http://www.indstateplanroom.com/>. Addenda may be downloaded at no cost to registered plan holders.
- B. A Bidder must register for a free account the first time they access the ISU Plan Room website.
- C. The Bidder will receive an e-mail notifying that an Addendum is available for download from this site. The Bidder is advised to periodically check this link in the event an e-mail fails to deliver.

1.08 SUBSTITUTIONS PRIOR TO BID

- A. Requests for substitution of any material, construction, equipment and methods named or described in the Specifications, on the Drawings and any Addenda issued shall be submitted in writing to the Architect/Engineer and Owner a minimum of seven (7) calendar days prior to Bidding. Complete support documentation shall be provided that the item to be substituted is equal to or exceeds the material, construction, equipment or methods named or described in the Specifications, on the Drawings and any Addenda issued with the request for substitution. It is solely at the discretion of the Architect/Engineer and the Owner to allow any requests for substitution.
- B. Should it be determined after Award of the Bid that the Bidder based their Bid on any material, construction, equipment and methods not named or described in the Specifications, on the Drawings and any Addenda issued as approved for substitution prior to Bidding shall be disallowed and the material, construction, equipment and methods named or described in the Specifications, on the Drawings and any Addenda issued shall be provided at no additional cost to the Owner.

PART 2 - SUBCONTRACTORS, SUPPLIER AND MANUFACTURER'S BIDS TO BIDDERS

2.01 SUBCONTRACTOR, SUPPLIER AND MANUFACTURE BUNDLING OF PRICES TO PROSPECTIVE BIDDERS

- A. Subcontractors, Suppliers and Manufacturers are permitted to bundle quote prices to Bidders however these bundled prices may not be used to withhold providing individual pricing to a Bidder for bundled items when requested by a Bidder to provide individual pricing. No subcontractor or supplier shall make it a condition of their bid that another part of the project be awarded to them.
- B. Failure to provide individual pricing upon Bidder's request may be cause to disqualify a Subcontractor or Supplier and Manufacturer from Indiana State University Projects.

PART 3- EXECUTION FORMS FOR BIDDING

3.01 BID BOND

- A. A certified or cashier's check or Bid Bond is a mandatory requirement to be submitted with the Bid and shall be based on not less than five (5) percent of the Bid amount total of the Base Bid(s) and all add Alternates.
- B. The Bid bond shall be in the form prescribed by the Contract Documents except as provided otherwise by Laws or Regulations, and shall be executed by such sureties

00 10 10
INSTRUCTIONS TO BIDDERS

as are named in the list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. The Bid Bond shall be obtained from surety or insurance company that is duly licensed or authorized in the jurisdiction in which the Project is located to issue bonds or insurance policies for the limits and coverages so required. In addition to appearing on Circular 570 U.S. Dept. of the Treasury, such Surety or insurance company shall maintain an A.M. Best's Rating of not less than "A."

- C. Failure to submit an acceptable Bid Bond with the Bid shall disqualify a Bidder.

3.02 BIDDERS FINANCIAL STATEMENT

- A. With their Bid the Bidder shall submit their most current independently audited or reviewed financial statement and vendor trade credit references as evidence of financial capability to perform the work.
- B. Failure to submit the Bidder's financial statement may be cause to disqualify a Bidder.

3.03 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION (SECTION 00 10 20 OF PROJECT MANUAL)

- A. This certificate is required by the regulations implementing Executive Order 12549 Debarment and Suspension, 34 CFR Part 85, Section 85.510, Participants' responsibilities. The regulations were published as Part V11 of the May 26, 1988 Federal Register (pages 19160-19211).
- B. Submit at time of Bid. Failure to submit with the Bid may be cause to disqualify a Bidder.

3.04 MBE/WBE/VBE PARTICIPATION PLAN. (SECTION 00 10 40 OF THE PROJECT MANUAL)

- A. See Section 00 10 30 MBE/WBE/VBE COMPLIANCE INSTRUCTIONS for full details on submission of the Participation Plan.
- B. This Plan must be submitted at time of Bid by **all Bidders**. Failure to submit with the Bid may be cause to disqualify a Bidder.

3.05 MANDATORY TIER II REPORTING REQUIREMENT FOR PROJECTS EQUAL TO OR GREATER THAN \$150,000.00. (Note: this form may not be included in all Project Manuals)

- A. MBE/WBE/VBE utilization in the performance of this Contract must be reported with each Application for Payment using the ISU Business Diversity Spend Reporting Form for Construction/Renovation/Facilities Repair Projects (see included: Tier II Spend Report Form.xlsx.)
- B. Compliance with Owner's Mandatory Tier II Reporting Requirement is a condition for the approval of an Applications for Payment.
- C. An electronic copy in Excel format will be included with the Award Letter when applicable.

3.06 BIDDER'S CERTIFICATION OF AUTHORIZED EMPLOYMENT (SECTION 00 10 45 OF THE PROJECT MANUAL)

- A. Bidder must certify at time the of Bidding that they have read and understand the "Contractor's Certification of Authorized Employment" provision of the Contract Documents In Section 00 20 11 Amendments to General Conditions Article 13, subparagraph 13.1.7.3 and its subparagraphs
- B. Submit at time of Bid. Failure to submit with the Bid may be cause to disqualify a Bidder.

00 10 10
INSTRUCTIONS TO BIDDERS

3.07 BID FORM (SECTION 00 20 00 OF THE PROJECT MANUAL)

- A. In order to receive consideration, make all Bids in strict accordance with the following:
 - 1. Proposals shall be submitted only on the form furnished, a copy of which is bound into and forms a part of this Project Manual, and which will become a part of the Purchase Order Contract of the successful Bidder (use a photocopy of the Bid Form herein).
 - 2. Proposals shall be completely and correctly filled out using ink or typewriter, with signatures in ink.
 - 3. Prices, except unit prices and percentages, shall be stated both in figures and in writing. In the event of a discrepancy between writing and the figures, the written amount shall govern.
 - 4. Proposals shall be signed by the Bidder, by a partner, or a duly authorized officer for a corporation, and shall give the Bidder's business address and telephone number. Failure to sign the Bid form may be cause to disqualify a Bid.
 - 5. Proposals submitted by non-Indiana corporations shall be accompanied by a certificate of existence issued by the Indiana Secretary of State.
 - 6. Any interlineation, alteration or erasure of the published Bid Form may be grounds for rejection of the proposal. Proposal shall contain no recapitulation of the work to be done.
 - 7. Proposals shall be based only on the material, construction, equipment and methods named or described in the Specifications, on the Drawings, and any Addenda issued prior to Bidding. See item 1.08 of this Sections for substitution request requirements.
- B. Modification of proposals already submitted will be accepted by letter, fax or telegram if received by the Owner prior to the date and hour set for opening of proposals.
- C. Each Bid shall be addressed to the Owner, and shall be delivered to the Office of the Director of Purchasing at the address given in the Notice to Bidders on or before the day and hour set for opening of Bids. Each Bid shall be enclosed in a sealed envelope bearing the title of the Project, the name of the Bidder, and the date and hour of the Bid opening. It is the sole responsibility of the bidder to see that their bid is received on time.

3.08 ADDENDA

- A. Indicate receipt of Addenda on the Bid Form in the spaces provided for acknowledgement.
- B. Failure to indicate receipt may be cause to disqualify a Bid.

3.09 BID FORM - BASE BID(S)

- A. Base Bid(s) shall be based only on the material, construction, equipment and methods named or described in the Specifications, on the Drawings, and any Addenda issued prior to Bidding. See item 1.08 of this Section for substitution request requirements.
- B. On Bids with multiple Base Bid Packages the Owner reserves the right to selectively Award individual Base Bid Packages to multiple Prime Bidders submitting the lowest and best Bids for the individual Bid Packages.

3.10 BID FORM - ALTERNATE BID(S)

- A. Each Bidder, in addition to submission of the Base Bid, shall submit a Bid for any Alternate(s) as called for (if any). Failure to submit said Alternate Bid(s) shall be sufficient cause for the Owner to reject any proposal in its entirety. Also the Owner may consider the Alternate Bid in awarding of a Contract, but is under no obligation to accept any Alternate Bid.

00 10 10
INSTRUCTIONS TO BIDDERS

- B. Proposals shall be based only on the material, construction, equipment and methods named or described in the Specifications, on the Drawings, and any Addenda issued prior to Bidding. See item 1.08 of this Section for substitution request requirements.

3.11 BID FORM – ALLOWANCES

- A. Allowances (if any) shall be included in the applicable Bid (Base Bid(s) or Alternate Bid(s)) as called for in the Allowance Section of the Bid Form and/or Section 01 23 60 Allowances.
- B. It is solely at the discretion of the Architect/Engineer/Owner what costs may be applied to an Allowance.
- C. Any unused portion of an Allowance shall be returned to the Owner at Contract Closeout.

3.12 COMPLIANCE WITH LAWS

- A. The Bidder shall comply with all applicable federal, state, and local laws, rules, regulations, and ordinances including but not limited to Indiana Code 5-16 and all provisions required thereby to be included herein are hereby incorporated by reference. Bidder warrants Contractor and any subcontractors shall obtain and maintain all required permissions, permits, licenses, registrations, accreditations, certifications, and approvals, and shall comply with all employment, labor, EEOC, E-verify, health, safety, and environmental statutes, rules, or regulations related to the products and services offered under this agreement. Bidder and any principals of the Contractor certify compliance with the requirements of Indiana Code § 5-16-1-9 Application of Indiana Code 5-22-16.5 (e.g. Company has not and will not participate in any investments or activities in Iran and refrains from engaging in any new investments or activities in Iran).
- B. Submission of the signed Bid Form indicates compliance.

3.13 NON-COLLUSION AFFIDAVIT

- A. The Bidder, by its officers and agents or representatives present at the time of filing their bid, being duly sworn, say on their oaths that neither they nor any of them have in any way, directly or indirectly, entered into any arrangement or agreement with any other bidder, or with any public office of the State of Indiana, of any county or municipality or other public offices whereby such affiance or either of them, has paid or is to pay to such other bidder or public officer any sum of money, or has given or is to give to such other bidders or public officer anything of value whatever, or such affiance of affiance or either of them has not, directly or indirectly entered into any arrangement or agreement with any other bidder or bidders, which tends to or does lessen or destroy free competition in letting of the contract sought for by the attached bids; that no inducement of any form or character other than which appears upon the face of the bid will be suggested, offered, paid, or delivered to any person whomsoever to influence the acceptance of the said bid or awarding of the contract, nor has this bidder any agreement or understanding of any kind whatsoever, with any person whomsoever to pay, deliver to, or share with any other person in any way or manner, any of the proceeds of the contract sought by this bid.
- B. Submission of the signed Bid Form indicates compliance.

3.14 NON-DISCRIMINATION

- A. The Bidder and its Subcontractors, if any, shall not discriminate against any employee or applicant for employment, to be employed in the performance of this Contract, with respect to their hire, tenure, terms, conditions or privileges of employment or any matter directly or indirectly related to employment because of their sex, race, natural origin, ancestry or religion or disability as prohibited under the Americans with Disabilities Act. Breach of this covenant may be regarded as a material breach of the Contract.
- B. Submission of the signed Bid Form indicates compliance.

00 10 10
INSTRUCTIONS TO BIDDERS

3.15 CERTIFICATION OF UNITED STATES STEEL PRODUCTS

- A. The Bidder certifies that the Bidder and all Subcontractors will comply with the statutory obligations to use steel products made in the United States.
- B. Submission of the signed Bid Form indicates compliance.

3.16 BID FORM - APPENDIX A SUBCONTRACTOR AND SUPPLIER/MANUFACTURERS LISTS

- A. The Prime Contractor (Bidder) shall list all Subcontractors and Suppliers/Manufacturers called for in Appendix A of the Bid Form at the time of Bid Submission. Failure to provide this information may be sufficient cause to disallow a Bid.
- B. **The Prime Contractor (Bidder) shall use the Subcontractors, Suppliers, Materials and Equipment as listed in the Bid Form Appendix "A" submitted at the time of Bid. It is the Prime Contractor's (Bidder's) responsibility to assure they have listed the correct Subcontractors, Suppliers, Materials and Equipment on their Bid Form. THERE SHALL BE NO CHANGES PERMITTED TO THESE LISTS.**
 - 1. Exception: If the Owner determines the Subcontractors, Suppliers, Materials or Equipment are not acceptable, the Owner shall notify the Prime Contractor (Bidder) in writing within two (2) working days after receipt of Bids of the unacceptable Subcontractor(s), Supplier(s), Material(s) and/or Equipment(s).

3.17 BID FORM - APPENDIX B

- A. By 2:00pm on the next business day after receipt of Bids the Bidder shall submit, a wage rate schedule for the workers of the Prime Bidder and all major Subcontractors involved in the Work. The wage rate shall include the worker's hourly rate plus all fringe benefits to be paid to the worker.
- B. A major Subcontractor is defined as any Subcontractor whose portion of the Bid is in excess of \$250,000 or 20% of the total Bid whichever is less.
- C. Failure to submit this wage rate schedule within the allotted time may be sufficient cause to disallow a Bid. The wage rates provided may be used as a basis for Award of the Bid.
- D. The Owner reserves the right to require certified payroll records to be provided to verify the wage rates listed on the wage rate schedule are accurate.

END OF SECTION 00 10 10

00 10 10
INSTRUCTIONS TO BIDDERS

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**Indiana State
University**

Office of the Senior Vice President for
Finance and Administration and University Treasurer
Rankin Hall Suite 200
210 North 7th Street
Terre Haute, Indiana 47809

Contract for Construction Between Indiana State University and Contractor

ISU Form CfC101-19
Based on AIA Form A101

AGREEMENT

Agreement for the Contract of Construction made as of the _____ day of _____ in the year
of Two Thousand and _____

BETWEEN the Owner
Indiana State University
210 North Seventh Street
Terre Haute, Indiana 47809-0001

and the Contractor:
(Name and address)

Project is: Hulman Center Interior Upgrades
(Name and location) 200 N. 8th Street
Terre Haute, IN 47809

The Architect/Engineer is: Ratio Design
(Name and address) 101 Pennsylvania Street
Indianapolis, IN 46204

Indiana State University and the Contractor agree as set forth below:

Part 1 – Contract Documents:

The Contract Documents include this Contract for Construction, Conditions of the Contract (General and Special Conditions), Drawings, Specifications, Addenda issued prior to execution of this Contract, other documents listed in this Contract, and Modifications issued after execution of this Contract; these form the Contract, and are as fully a part of the Contract as if attached to this Contract or repeated herein. This Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representation or agreements, either written or oral. An enumeration of the Contract Documents and other Modifications appears in Part 9 of this document.

Part 2 – Work of This Contract:

The Contractor shall execute the entire work as described in the Contract Documents, except to the extent specifically indicated in the Contract Documents to be the responsibility of others, or as follows:

Part 3 – Start Date and Substantial Completion Date:

- 3.01 The Start Date shall be as indicated in Section 00 10 10 of the Project Specifications, as listed in any subsequent Addenda, the Notice to Proceed Letter or as listed below:
- 3.02 The Contractor shall achieve Substantial Completion as indicated in Section 00 10 10 of the Project Specifications, as listed in any subsequent Addenda, the Notice to Proceed Letter or as listed below:
- 3.03 Substantial Completion maybe adjusted as allowed under Contract Documents or as mutually agreed upon in writing by the Owner and the Contractor.

Part 4 – Contract Sum:

- 4.01 Indiana State University shall pay the Contractor in current funds for the Contractor's performance of the Contract the Contract Sum of _____dollars
(\$_____) subject to additions or deductions as provided in the Contract Documents
- 4.02 The Contract Sum is based upon the following Alternates, if any, which are described in the Contract Documents and are hereby accepted by Indiana State University:
- 4.03 Unit Prices, if any, are as follows:
- 4.04 Allowances

Part 5 – Progress Payments

- 5.01 Based on an Application for Payment Issued to the Architect/Engineer by the Contractor, Indiana State University shall make progress payments on the account of the Contract Sum to the Contractor as provided below and elsewhere in the Contract Documents.
- 5.02 The period covered by each Application for Payment shall be on a regular monthly basis of not less than Twenty Eight (28) calendar days.
- 5.03 When the Application for Payment is received by the Architect/Engineer, Indiana State University shall make payment within fifteen (15) days after the approval of the Application for Payment by the Architect/Engineer and receipt by Indiana State University Office of Finance and Administration.
- 5.04 Each Application for Payment shall be based on the schedule of values submitted by the Contractor in accordance with the Contract Documents. The schedule of values shall allocate the entire Contract Sum among the various portions of Work and shall be prepared in a form and supported by such data as required by the Architect/Engineer and Indiana State University to evaluate and substantiate the accuracy of the Application for Payment. Unless objected to by the Architect/Engineer or Indiana State University this schedule of values shall be the basis for all Contractor Applications for Payment.
- 5.05 Applications for Payment shall indicate the percentage of completion of each portion of Work as of the end of the application period.
- 5.06 A Partial Waiver of Lien shall be included with each progress Application for Payment.
- 5.07 Subject to provisions of the Contract Documents, the amount of the Application for Payment shall be computed as follows:
 - A. Total of all portions of Work indicted on the schedule of values completed during the application period.
 - B. Total of verified stored materials indicated on the schedule of values acquired during the application period, provided proof of insurance on the storage facility is submitted.
 - C. Total of all Change Orders approved or Change Directives issued during the application period.
 - D. Less a Retainage of ten percent (10%)
 - E. Subtract the aggregate of previous Applications of Payments made to Indiana State University and subtract amounts, if any, withheld or nullified by the Architect/Engineer.
- 5.08 The progress payment amount determined by Section 5.06 shall be further modified under the following circumstances
 - A. Add, upon Substantial Completion of the Work, a sum sufficient to increase the total payments to ninety five percent (95%) of the Contract Sum; less any amounts the Architect/Engineer or Indiana State University shall determine for incomplete work and unsettled claims.
 - B. Add, if final completion of the work is thereafter materially delayed through no fault of the Contractor, any additional amounts payable in accordance with Subparagraph 9.10.3 of the General Conditions.
- 5.09 Reduction or Limitation of Retainage:
 - A. At the sole written discretion of Indiana State University, if acceptable progress is made, at fifty percent (50%) completion of the Contract Sum the remaining Retainage may be reduced to 0%.

Part 6 – Final Payment

- 6.01 Final payment, constituting the remaining unpaid balance of the Contract Sum, shall be made to the Contractor by Indiana State University when:
 - A. The Contract has been fully performed by the Contractor as detailed in the Contract Documents.
 - B. Approval of the Final Application for Payment is received from the Architect/Engineer.
- 6.02 No Contractor claims for additional compensation shall be permitted or accepted more than sixty (60) days following the Contractor's submission of their Final Application for Payment.
- 6.03 Payment shall be made by Indiana State University 61 days after issuance of the of the Contractor's Final Application for Payment and Final Waiver of Lien and final approval from the Architect/Engineer of the Final Application for Payment.

Part 7 – Miscellaneous Provisions

- 7.01 Where reference is made in this document to a provision of the General Conditions or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.

Part 8 – Termination or Suspension

- 8.01 The Contract may be terminated by Indiana State University or the Contractor as provided in Article 14 of the General Conditions.
- 8.02 The Work may be suspended by Indiana State University as provided in Article 14 of the General Conditions.

Part 9 – Enumeration of Contract Documents

- 9.01 The Contract Documents, except for Modifications issued after execution of this Contract, are enumerated as follows:
- A. The agreement is this executed **Contract for Construction Between Indiana State University and Contractor, ISU Form CFC101-20**.
 - B. The General Conditions are the General Conditions of the Contract for Construction, AIA Document A201.
 - C. The Supplementary and Other Conditions are those contained in the Project Specifications and are as follows:
See attached Exhibit A Sections 00 and 01
 - D. The Specifications:
See attached Exhibit A Sections 02-33 as applicable
 - E. The Drawings:
See attached Exhibit B
 - F. The Addenda:

Number	Date	Pages
--------	------	-------
 - G. Other Documents, if any, forming the Contract Documents are as follows:
Certification Regarding Suspension, Debarment, Ineligibility and Voluntary Exclusion Form, MBE/WBE/VBE Participation Plan, Contractor's Certification of Authorized Employment Form, Award Letter, Purchase Order

This agreement is entered into as of the day and year first written above and is executed by electronic copy in PDF format of which one is delivered to the Contractor, one is delivered to the Architect/Engineer, and the remainder to Indiana State University for distribution to the ISU Purchasing Department, the Office of the Senior Vice President for Finance and Administration and the ISU Department of Facilities Management.

Indiana State University

Contractor

(Signature)

(Signature)

Seth Hinshaw
(Printed or Typed Name)

(Printed or Typed Name)

Exhibit A – Refer to Addenda for any additions, deletions or revisions to these Specification Sections

Exhibit B – Refer to Addenda for any additions, deletions or revisions to these Drawings

00 20 00
BID FORM

BASED ON BID FORM
FORM NO. 96
REVISED FORMAT 1/14/2013

GENERAL BID FOR PUBLIC BUILDING

PROJECT: Hulman Center Interior Upgrades – Locker Room Upgrades (ISU Bid Number B0028750)

TO: INDIANA STATE UNIVERSITY
BOARD OF TRUSTEES
TERRE HAUTE, INDIANA

FROM:

(Name of Bidder) (Company Name)

(Address)

(City, State, Zip)

PHONE NUMBER _____

DATE: _____

SUBMITTED BY: _____
(Signature) (Title)

The Bidder's signature certifies the Bidder is in compliance with all aspects of the Bid Documents

ADDENDA

The following Addenda have been received. The modifications to the bidding documents noted therein have been considered and all costs thereto are included in the Bid Sum(s).

Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____

OWNER'S RIGHTS REGARDING ACCEPTANCE OF BIDS

It is understood that the Owner reserves the right to accept or reject any Bid and to waive any irregularities in Bidding. It is further understood on Bids with multiple Base Bid Packages the Owner reserves the right to selectively Award individual Base Bid Packages to multiple Prime Bidders submitting the lowest and best Bids for the individual Base Bid Packages.

00 20 00
BID FORM

TAX EXEMPT

Indiana State University is a Tax Exempt Institution and Indiana Sales Tax for products permanently incorporated in work shall not be included as part of the Bid. All other applicable Federal, State and Local taxes shall be included in the Bid sum. Tax exempt certificate available upon request.

OFFER:

Pursuant to and in compliance with 'Instructions to Bidders', and other Bidding Documents prepared by the Indiana State University Facilities Management Department for the above mentioned project, the signer, having become thoroughly familiar with the terms and conditions of the proposed Contract Documents and with local conditions affecting the performance and costs of the Work at the place where the Work is to be completed, and having fully inspected the site in all particulars, hereby proposes and agrees to fully perform the Work within the time stated and in strict accordance with the intent of the proposed Contract Documents, including furnishing bonds, insurance, labor, materials, and to do all the Work required to construct and complete in accordance with the proposed Contract Documents as follows:

BASE BID

_____ Dollars (\$ _____)
(State Amount in Words)

ALTERNATE BIDS

1. Alternate No. 1: Shower Enclosure

_____ Dollars (\$ _____)
(State Amount in Words) Add ☐ Deduct ☐

2. Alternate No. 2: Wood Veneer Finish

_____ Dollars (\$ _____)
(State Amount in Words) Add ☐ Deduct ☐

3. Alternate No. 3: Air Purifiers

_____ Dollars (\$ _____)
(State Amount in Words) Add ☐ Deduct ☐

4. Alternate No. 4: Audio / Visual Equipment

_____ Dollars (\$ _____)
(State Amount in Words) Add ☐ Deduct ☐

00 20 00
BID FORM

ALLOWANCES

- 1. A \$185,000 Allowance shall be included in the Base Bid for renovation of existing restrooms on the Event Level of the Hulman Center. This allowance is to include associated demolition work, new finishes including tile, casework, and mirrors, toilet accessories, toilet partitions, light fixture replacement (1 for 1), plumbing fixture replacement (1 for 1), mechanical diffuser replacement, and reinstallation of fire alarm and occupancy sensors.**
- 2. A \$20,000 Allowance shall be included in the Base to cover the cost associated with relocating existing conduits, cabling, piping, etc. as required to allow for raising of the existing ceiling heights as indicated on Drawings.**

ACCEPTANCE

This offer shall be opened to acceptance and is irrevocable for the period as follows:

- Base Bid and All Alternates - One Hundred Twenty (120) calendar days from the Bid opening date.

If the Owner accepts the Bid within the time period stated above, Bidder will:

- Furnish the required bonds and insurance certificates within ten (10) calendar days of receipt of the Award Letter
- Commence work within seven (7) calendar days of receipt of the Award Letter or as Directed by the Owner.
- Execute the Contract for Construction Between Indiana State University and Contractor within seven (7) calendar days of receipt of the Contract.

The Bidder agrees to coordinate and expedite their work and that if the Award is given within fourteen (14) calendar days from the Bid opening date the work shall be substantially completed as listed in Section 00 10 10 Instructions to Bidders 1.01 C. If the Award is not made within the stated fourteen (14) calendar days then the substantial completion date may be adjusted as allowed by the Contract Documents or as mutually agreed upon in writing by the Owner and Contractor.

COMPLIANCE WITH LAWS

The Bidder shall comply with all applicable federal, state, and local laws, rules, regulations, and ordinances including but not limited to Indiana Code 5-16 and all provisions required thereby to be included herein are hereby incorporated by reference. Bidder warrants Contractor and any subcontractors shall obtain and maintain all required permissions, permits, licenses, registrations, accreditations, certifications, and approvals, and shall comply with all employment, labor, EEOC, E-verify, health, safety, and environmental statutes, rules, or regulations related to the products and services offered under this agreement. Bidder and any principals of the Contractor certify compliance with the requirements of Indiana Code § 5-16-1-9 Application of Indiana Code 5-22-16.5 (e.g. Company has not and will not participate in any investments or activities in Iran and refrains from engaging in any new investments or activities in Iran).

NON-COLLUSION AFFIDAVIT

The Bidder, by its officers and agents or representatives present at the time of filing their bid, being duly sworn, say on their oaths that neither they nor any of them have in any way, directly or indirectly, entered into any arrangement or agreement with any other bidder, or with any public office of the State of Indiana, of any county or municipality or other public offices whereby such affiance or either of them, has paid or is to pay to such other bidder or public officer any sum of money, or has given or is to give to such other bidders or public officer anything of value whatever, or such affiance of affiance or either of them has not, directly or indirectly entered into any arrangement or agreement with any other bidder or bidders, which tends to or does lessen or destroy free competition in letting of the contract sought for by the attached bids; that no inducement of any form or character other than which appears upon the face of the bid will be suggested, offered, paid, or delivered to any person whomsoever to influence the acceptance of the said bid or awarding of the contract, nor has this bidder any agreement or understanding of any kind whatsoever, with any person whomsoever to pay, deliver to, or share with any other person in any way or manner, any of the proceeds of the contract sought by this bid.

00 20 00
BID FORM

NON-DISCRIMINATION

The Bidder and its Subcontractors, if any, shall not discriminate against any employee or applicant for employment, to be employed in the performance of this Contract, with respect to their hire, tenure, terms, conditions or privileges of employment or any matter directly or indirectly related to employment because of their sex, race, natural origin, ancestry or religion or disability as prohibited under the Americans with Disabilities Act. Breach of this covenant may be regarded as a material breach of the Contract.

CERTIFICATION OF UNITED STATES STEEL PRODUCTS

The Bidder certifies that the Bidder and all Subcontractors will comply with the statutory obligations to use steel products made in the United States.

MBE/WBE/VBE BIDDING:

See Section 00 10 30 for requirements for MBE/WBE/VBE Compliance. Section 00 10 40 MBE/WBE/VBE Participation Plan must be completed by **all Bidders** and submitted with the Bid. Failure to submit with the Bid may be sufficient cause to disqualify a Bid.

EXPERIENCE QUESTIONNAIRE

List similar projects completed by your organization:

1. Contract Amount _____
Description _____
Date Completed _____
Owner _____
(Name and phone #)
2. Contract Amount _____
Description _____
Date Completed _____
Owner _____
(Name and phone #)

List similar projects currently under construction by your organization

1. Contract Amount _____
Description _____
Date Completed _____
Owner _____
(Name and phone #)

00 20 00
BID FORM

2. Contract Amount _____

Description _____

Date Completed _____

Owner _____

(Name and phone #)

Yes ☐ No ☐ Has your organization ever failed to complete any work awarded it?
If yes, where and why?

Yes ☐ No ☐ Does your Organization have any pending litigation or litigation completed within the past five (5) years initiated by your Organization or the Owner as a result of your work on another Project?

If yes, attach a complete listing, with your Bid, of all such litigation(s) and name(s) of Institutions and/or Parties involved with complete contact information. Failure to submit this information may result in disqualification of your Bid.

Yes ☐ No ☐ Has your Organization been cited for violation of State or Federal regulations within the past twelve months?

If yes, what was the violation and resolution?

List references from firms for which your organization has performed work. Provide firm name, contact person name and phone number.

APPENDICES

The following Appendices are submitted with the Bid:
Appendix A - Subcontractors and Material/Supplier Lists
Appendix B - Unit Prices
Appendix C - Wage Rate Schedule

OATH AND AFFIRMATION

Attested to this ____ day of _____, 202____

By _____

ACKNOWLEDGMENT

State of _____
SS:

County of _____

_____ being duly sworn, deposes and
(Name of person)

says that he/she is _____ of
(Title)

_____ and that the
(Name of organization)
statements contained in the foregoing bid, certification and affidavit are true and correct.

Subscribed and sworn to before me by _____

this ____ day of _____, 202____

Notary Public

My Commission Expires _____

County of Residence _____

00 20 00
BID FORM

SUPPLEMENTS TO BID FORM

TO: INDIANA STATE UNIVERSITY

PROJECT: Hulman Center Interior Upgrade – Locker Rooms

DATE: _____

SUBMITTED BY:
(full name)

(full address)

In accordance with Instructions to Bidders and Bid Form, we include the Supplements to Bid Form for Appendices listed below. The information provided shall be considered an integral part of the Bid Form.

Appendix A - Subcontractor and Manufacturers List (to be submitted at time of Bid)
Failure to submit may be cause to disqualify bid

(Bidder)

(Project)

The following will be performed (or provided) by the Subcontractors and Manufacturers listed herein and coordinated by us.

The Prime Contractor (Bidder) shall list all Subcontractors and Suppliers/Manufacturers called for in Appendix A of this Bid Form at the time of Bid Submission. Failure to provide this information may be sufficient cause to disallow a Bid.

The Prime Contractor (Bidder) shall use the Subcontractors, Suppliers, Materials and Equipment as listed in the Bid Form Appendix “A” submitted at the time of Bid. It is the Prime Contractor’s (Bidder’s) responsibility to assure they have listed the correct Subcontractors, Suppliers, Materials and Equipment on their Bid Form. THERE SHALL BE NO CHANGES PERMITTED TO THESE LISTS.

Exception: If the Owner determines the Subcontractors, Suppliers, Materials or Equipment are not acceptable, the Owner shall notify the Prime Contractor (Bidder) in writing within two (2) working days after receipt of Bids of the unacceptable Subcontractor(s), Supplier(s), Material(s) and/or Equipment(s).

(Listings begin on next page)

SUBCONTRACTOR LIST

Bidder shall provide the names of all applicable Subcontractors

Description	Subcontractor
Cabinetry / Millwork Work	_____
Ceiling Work	_____
Concrete Work	_____
Flooring Work	_____
Painting Work	_____
Electrical Work	_____
Telecommunications	_____
HVAC	_____
Sheet Metal	_____
Balancing	_____
Temperature Control	_____
Plumbing Work	_____
FP Sprinkler Work	_____

(Supplier and Manufacturer List begins on next page)

SUPPLIER & MANUFACTURERS LIST

Bidder shall provide the names of all applicable Suppliers and Manufacturers

Product Description	Supplier	Manufacturer
HVAC Grilles/Diffusers		
Air Purifier		
Plumbing Fixtures		
Interior Lighting		
Lighting Controls		
Wiring Devices		
Fire Alarm		
Telecommunications		

(Appendix B begins on the next page)

Appendix B – Unit Prices

1. Not applicable
-

Appendix C – Wage Rate Schedules

By 2:00pm on the next business day after receipt of Bids the Bidder shall submit, a wage rate schedule for the workers of the Prime Bidder and all major Subcontractors involved in the Work. Failure to supply the wage rate schedule(s) as required by the Bidding Documents may be sufficient cause to disallow a Bid

END OF SECTION 00 20 00

ISU SPECIAL REQUIREMENTS AND INFORMATION

PART 1 - SPECIAL REQUIREMENTS

1.01 BARRICADES

- A. ISU will provide barricades during the initial closure of a construction site. However, once the Contractor mobilizes, ISU will remove the barricades, and Contractor shall replace them with his own. If additional barricades are required during the construction phase, Contractors shall provide them at their expense.

1.02 BURIED UTILITIES

- A. All Direct Buried Utility Lines and Utility Duct Banks will be marked by use of the appropriate marker tape continuously installed a minimum of twelve (12) inches above said utility line or duct bank. Marker tape shall be a minimum of six (6) inches wide.

1.03 REMOVAL AND RE-INSTALLATION OF EQUIPMENT

- A. The Owner is not responsible for the removal or re-installation of any equipment necessitated by this work.
- B. All electrical disconnects and reconnects of equipment necessitated by this work shall be performed by a licensed bonded Electrical Contractor hired by the Contractor to perform this work. The Owner will assist in locating the power source but will not be responsible for the actual performance the electrical work.

1.04 PRIME CONTRACTOR RIGHT OF SALVAGE

- A. The Owner has the first right of salvage of any items not slated for re-use on every Project.
- B. Should the Owner waive their right for salvage for any item not slated for re-use or designated in for recycling; then these items become the property of the Prime Contractor.
- C. The Prime Contractor at their discretion may grant to others the right to salvage items not slated for re-use and this may be used to comply with the recycling requirements as long as records are kept.
- D. However; once an item has been placed in a dumpster or any other trash receptacle no one is allowed to enter a dumpster or search through a trash receptacle for the purpose of removing items for salvage while these trash containers are on the campus of Indiana State University.
- E. The Prime Contractor shall protect these trash containers by use of a six (6) foot high chain link fence enclosure around the trash container(s) to prevent any person from gaining access to the trash containers for actions prohibited by this item.

1.05 CERTIFICATE OF INDUSTRIAL BOARD

- A. The Contractor shall furnish a certificate of insurance from an insurance company acceptable to Indiana State University evidencing that the Contractor has complied with the Indiana Worker's Compensation Law.

1.06 COVID 19 REQUIREMENTS FOR ISU PROJECT WORK

- A. Effective March 5, 2022 the wearing of masks is optional on the Campus of Indiana State University (ISU) and in ISU buildings. Contractor's employees will no longer be required to wear masks when working in occupied ISU buildings unless the occupant of the space where the work is being performed requests the Contractor's employees to wear a mask. The Contractor's employees shall have a mask available to put on if the occupant requests masks be worn in their space. The same applies to Vendors visiting the work space.
- B. Any Contractor and Subcontractor's employees exposed to Covid 19 shall be required to comply with CDC and State of Indiana guidelines, whichever is more stringent, for quarantine/isolation and shall not return to work on the Project until medically cleared to

ISU SPECIAL REQUIREMENTS AND INFORMATION

return to work. The effected Contractor and Subcontractor shall notify the Owner in writing of any Covid 19 incidents.

1.07 CONTRACTOR PUBLIC STATEMENTS

- A. No person or entity that enters a contract with the University shall be permitted to make any public statement in such contracting party's official capacity as a contractor of the University except where such public statement: a. relates to the business or operation of the University, or to a University sponsored event; or b. has been approved by the Board of Trustees of the University. 620.2.11.1. Certain Public Statements. This Policy 620.2.11 Contractor Public Statements shall not in any way prohibit a contracting party's exercise of any protected expressive activity that is not made in such contracting party's official capacity as a contractor of the University.

1.08 CAMPUS TOBACCO POLICY

- A. Effective in 2011 the following became the ISU smoking policy:
1. The sale of tobacco products is prohibited on university-owned, operated, or leased property.
 2. The use of smoking tobacco products is prohibited on university-owned, operated, or leased property.
 3. The use of smoking tobacco products is permitted in privately owned vehicles and in designated smoking areas on campus.
 4. Any exceptions for the use of smoking tobacco products on university-owned, operated, or leased property must be approved by the President or Provost.
 5. Enforcement of this policy will depend on the cooperation of all faculty, staff, and students not only to comply with the policy, but also to encourage others to comply, in order to promote a healthy environment in which to work, study and live.
 6. Observation of violation of the policy should be reported to Public Safety at 812-237-5555. Follow up for violations of the policy should be referred to the appropriate administrative office for review and action for faculty through the office of Academic Affairs, for staff through Human Resources and to the Dean of Students for students.
- B. Amendments to this policy for Contractors
1. Delete item 5 in its entirety and replace with the following:
"Enforcement of this policy will depend on the cooperation of the Contractors and their employees to comply with the policy and encourage others to comply in order to promote a healthy environment in which to work".
 2. Delete item 6 in its entirety and replace with the following:
"Observation of violation of this policy should be reported to the Contractor's Project Superintendent and/or the Owner's Project Manager. Contractor's employees repeatedly violating this policy may be asked to leave the Campus of Indiana State University and not be allowed to continue work on the Project".
 3. Add the following item 7:
"For major construction or renovation Projects (as determined solely by the Owner) the Owner shall designate a Contractor's smoking area near or within the boundaries of the job-site; unless the Prime Contractor(s) chooses to declare the entire Project job-site as non-smoking. Under no circumstances shall smoking be permitted within a building under construction or renovation.
- C. Additionally on construction sites on university-owned, operated, or leased property the use of smokeless tobacco products is prohibited.

ISU SPECIAL REQUIREMENTS AND INFORMATION

1.09 PARKING REGULATIONS

- A. Beginning January 2018, construction employees will be required to park with a Construction Permit in Lot N (11th and Chestnut), Lot K (1st and Chestnut) or Lot I (3rd and Tippecanoe) when regular classes are in session. Contractors will be allowed to request an appropriate number of permits depending upon the project size for "core campus" parking. These permits should be used for carpooling or transporting employees to/from the construction and the construction parking lots. Contractors will also be allowed to have 2 foreman construction permits per project which will allow the foreman direct access to the construction project.
- B. When regular classes are not in session (i.e. weekends, Fall Break, Winter Recess, and summer sessions [the Monday after commencement thru one week before move-in]) contractors and their employees will be allowed to park in any regular/open lot on campus with a construction permit unless the lot is reserved for an event.

1.10 ISU ENVIRONMENTAL CODE FOR CONTRACTORS

- A. Prior to starting any work, Contractor shall provide to the Owner a written document containing emergency procedures in case of:
 - 1. Liquid spills or leaks
 - 2. Release of gases or toxic vapors
 - 3. Excessive smoke
- B. This document shall contain but not be limited to:
 - 1. Emergency medical, fire, and police phone numbers including the ISU University Police.
 - 2. EPA phone numbers
 - 3. IDEM phone numbers
 - 4. Location of Material Safety Data Sheets.
- C. Prior to using any chemical or hazardous material the contractor shall provide the Owner with a copy of Material Data Safety Sheets covering the chemical or hazardous material.
- D. Contractor shall not burn or bury waste material on campus, or discharge any hazardous, or undesirable materials to sewers, or release toxic materials to the air.
- E. Contractor shall provide adequate exhaust ventilation for work area when generation of air contaminants is likely, i.e., painting, handling flammable liquids, welding, cutting, applying adhesives, etc.
- F. Contractor shall have at the job site Material Safety Data Sheets (MSDS) covering all chemicals and hazardous materials to be used in the work area. MSDS are to be available to workers and ISU personnel during normal working hours. Contractor shall use proper procedures based on MSDS when handling hazardous chemicals and materials.
- G. Contractor shall provide vacuum breakers or backflow preventers at each location where he utilizes building water supply.
- H. Any Contractor employee who deliberately interferes with environmental monitoring shall be removed from the project immediately.
- I. Contractor shall prevent fumes from welding, cutting, etc. and dust generated by construction from entering areas outside the work area by erecting plastic film barriers, sealing openings and ducts, and installing exhaust fans as required.
- J. Air contaminants in the work area shall not exceed OSHA regulations.

ISU SPECIAL REQUIREMENTS AND INFORMATION

1.11 ISU SAFETY CODE FOR CONTRACTORS

A. General:

1. All work performed by contractors shall be done in accordance with all applicable Federal, State and Local laws, codes, and regulations and recommendations of Factory Mutual Engineering and Research (FM).
2. Any safety hazard or unsafe act recognized by the Owner shall be reported to the Contractor responsible for job coordination. The safety hazard shall be corrected in a timely manner dictated by the severity of the safety hazard or unsafe act.
3. Contractors shall remove all rubbish from the job site daily.
4. All construction materials shall be protected from wind damage. Materials shall be secured to prevent them from becoming airborne with subsequent injury to personnel or damage to property.

B. Communication:

1. Contractor's job supervisors, or designated safety persons, must carry at all times a cellular phone to facilitate communication between the job site and the ISU University Police and Facilities Management Department. The cellular phones must remain on the job site during regular working hours. Contractor(s) shall report to the designated representative of ISU, or to ISU Police, any safety problem, code infraction, personal injury, or damage to ISU property. Report shall be made immediately after such occurrence.

C. Fire Protection:

1. Contractors shall provide a type "ABC" fire extinguisher for each work crew.
2. Extinguishers are to be kept within easy reach of each work crew and never farther than 10 feet from some worker. Inspection tags on extinguishers shall indicate the date of last inspection.
3. Contractor's supervisor shall keep torch cutting operations to a minimum by instructing personnel to use power saws, pipe cutters, etc. It shall be the duty and responsibility of the Contractor performing any cutting or welding to comply with the safety provisions of the National Fire Codes (NFC) pertaining to such work.
4. Contractor shall adhere to Factory Mutual Engineering and Research (FM) "Cutting and Welding" permit system. Permits are available through the Office of Environmental Safety's Fire Specialist Office at 812-237-4020.
5. Prime Contractor shall provide a one hour fire watch at the end of each workday when any cutting or welding occurred to assure that no possibility of fire exists from any work performed that day.

D. Safety Program: Prior to starting any work the Contractor shall submit to ISU a written safety program for the project including but not limited to:

1. Occupational Health & Environmental Controls
 - a. Personal Protective Equipment
 - b. Fire Protection & Prevention
 - c. Hand & Power Tools
 - d. Ladders & Scaffolds
 - e. Motor Vehicles and Mechanized Equipment
 - f. Accident Prevention
 - g. Safety Inspections
 - h. OSHA Inspections

ISU SPECIAL REQUIREMENTS AND INFORMATION

2. Instruct all of his personnel as to location of emergency telephone(s).
 3. Instruct all his personnel as to location of fire alarm (pull) stations.
 4. Instruct all of his personnel to follow FM "Cutting and Welding Permit Systems" and emphasize the need to advise ISU's representative 24 hours prior to doing any welding, cutting, brazing, etc.
 5. Instruct all his personnel to advise ISU representative prior to doing any welding, cutting, or brazing on or near a roof structure.
 6. Instruct all personnel as to location on the job site of a copy of OSHA 29 CFR, Part 1926.
 7. Instruct all of his personnel as to location of first aid supplies.
- E. Flammable Storage:
1. Flammable or combustible liquids (paints, thinners, asphalt, gasoline, and tar or similar materials) shall be stored and handled as per NFPA 30, 4-5.5, and OSHA Construction Standard 1926.152. Quantities of flammable paints, etc., inside building work areas shall not exceed the amount to be used in one day.
 2. Containers of Class I liquids that are stored outside of an inside liquid storage area shall not exceed a capacity of 1 gallon, except safety cans shall be permitted up to 2 gallon capacity. Not more than 10 gallons of class I and class II liquids combined shall be stored in a single fire area outside of an approved storage cabinet or an inside liquid storage area unless in safety cans. Not more than 25 gallons of class I and class II liquids combined shall be stored in a single fire area in safety cans outside of an inside fluid storage area or an approved storage cabinet. Not more than 60 gallons of class IIIA liquids shall be stored outside of an inside liquid storage area or outside an approved storage cabinet.
 3. Rags saturated with flammable liquids shall be placed in approved cans and removed from the work site at the end of the work shift.
- F. Site Control: Contractor shall be responsible for securing the job site at all times and have personnel on call 24 hours per day for emergencies. Contractors shall protect their equipment and materials and ISU property from theft. Contractors shall secure doors, and openings including roof openings.
- G. Prior to a multiple day shutdown the Contractors shall:
1. Remove all debris and leave the premises broom clean.
 2. Shut off all unnecessary electric power and water supplies.
 3. Remove all flammable liquids from the work site.
 4. Secure small tools in gang boxes.
 5. Leave drives open for emergencies.
- H. Temporary Electrical Service:
1. Temporary electrical service shall be provided by a licensed, bonded electrical contractor.
 2. All extension cords shall be protected from abrasion and traffic. Multiple lengths of extension cord shall be connected with waterproof twistlock type connectors. Any electrical service over 115 volts shall be marked accordingly. All electrical power supplied from building service or portable generators shall have ground fault protection as part of the circuit.
 3. Portable generators or welders driven by internal combustion engines shall not be located inside the building. Positioning of this equipment outside the building shall be such that engine exhaust shall not enter the workplace or adjacent buildings.

ISU SPECIAL REQUIREMENTS AND INFORMATION

I. OSHA Reporting:

1. Contractors shall complete an OSHA 106 form on all reportable occupational injuries and illnesses for each of their job locations on the ISU campus. This requires posting the information from the initial accident report on a master log (OSHA 200) form within six working days after the accident occurs. This form must be kept available for OSHA Compliance Safety and Health Office and ISU review.
2. See OSHA Regulations 29 CFR Part 1904, "Recording and Reporting Occupational Injuries and Illnesses"

1.12 FIRE SUPPRESSION SYSTEM REGULATIONS

- A. Prior to closing any fire suppression system valve or in any way making a fire suppression system inoperable the Contractor shall contact the Fire Specialist's Office at 812-237-4020 to obtain a FM Global Red Tag so the impairment to the system may be reported.
- B. When the work is complete the Contractor shall immediately contact the Fire Safety Specialist to report the work is complete so the red tag may be removed and FM Global notified that the system has been returned to normal operation.

1.13 ELECTRICAL SAFETY REGULATIONS

- A. OSHA *Control of Hazardous Energy Lockout/Tagout Regulations* apply to all work performed on the Campus of Indiana State University. These Regulations are available for review on the OSHA Internet Website at <http://www.osha.gov/SLTC/controlhazardousenergy/index.html> . Any individual who removes another's lock or tag shall be ordered to leave Indiana State University and shall be disqualified from any future work at Indiana State University.
- B. High fault currents, in excess of 45kA, exist at certain points on electrical systems at Indiana State University. Employing Contractors shall make their employees working on campus electrical systems aware that this condition exists.
- C. No individual shall be permitted to install or service any energized circuit, equipment or apparatus where voltages greater than 100 volts to ground is present unless another individual is present.
- D. No individual shall be permitted to operate or service any main or feeder main overcurrent protection device, whether group mounted or individually mounted, unless another individual is present.
- E. Deliberately shorting a branch circuit to ground to locate a branch feeder breaker is strictly prohibited.
- F. Any individual observed in violation of Regulations "C", "D" or "E" may be asked to immediately leave the workplace and/or their employer may be fined based on the following scale. Violations may apply to one or multiple employees.

• 1 st violation	Notice of Violation Warning Placed in Employing Firm's Work Record File
• 2 nd violation	\$100.00
• 3 rd violation	\$250.00
• All subsequent violations	\$500.00 per incident
- G. **Repeated violations may be cause to disqualify the individual and/or employing firm from any other future work on the campus of Indiana State University.**

1.14 FIRE ALARM SYSTEM COORDINATION WITH PROJECT WORK

- A. An automatic fire detection system may in operation in areas of work. Prior to start of Work the Contractor shall verify with the Owner if devices are present in the Work area.

ISU SPECIAL REQUIREMENTS AND INFORMATION

- B. Contractor shall coordinate with Owner for the shut down and reactivation of automatic fire detection devices in work areas based on the following procedures.
1. Prior to 2:30pm on the day before work is scheduled the Contractor shall contact Bryan Duncan at 812-237-8195 (Office) or 812-240-9324 (Cellular) to request fire alarm devices be disabled. The Contractor shall provide exact work location, the time the devices are required to be disabled by and a means by which to contact the Contractor the next day, i.e. pager or cellular phone number. It is permissible to leave a "voice mail" of the required information.
 2. Prior to starting work the next day the Contractor shall contact Bryan Duncan to verify if the required devices are disabled. Please listen carefully to the voice mail announcement for information in the event of no answer.
 3. Prior to leaving the job-site at the end of workday or by 2:30pm the Contractor shall contact Bryan Duncan to report clearance to reactivate the devices for the evening and what, if any, devices require disabling for the following workday.
- C. Failure to follow these procedures may result in fines being levied on the Contractor based on the following schedule.
- 1st failure to call and schedule in advance – Warning.
 - Any subsequent failure to call and schedule in advance – \$10.00 per occurrence
 - 1st failure to call resulting in activation of fire alarm system – Warning or \$100.00, dependent on situation as determined by the Owner.
 - Any subsequent failure to call resulting in activation of fire alarm system - \$100.00 per occurrence.

1.15 INSPECTION

- A. At the conclusion of the entire work encompassed in this contract, written notice requesting inspection shall be submitted to the Owner at least ten (10) days prior to the anticipated inspection date.

1.16 PAYMENT AND FINAL ACCEPTANCE

A. Anticipated Draw Schedule

1. For any Project in excess of \$500,000.00 the Contractor shall submit an anticipated monthly drawdown schedule.
2. This schedule shall be submitted within fourteen (14) calendar days after Award of Contract to:

The Office of the Vice President for Finance and Administration
Rankin Hall Suite 210
Terre Haute, IN 47809

- B. Applications for Payments shall be submitted on AIA Application for Payment form G702 with Continuation Sheet G703 (or on a form approved by the Owner). While no set date is required for Applications for Payment, the application shall be submitted on a regular monthly basis for labor and materials permanently installed in the work, for material stored on site and for properly insured materials stored off-site under the following conditions:
1. For purposes of making periodic estimates, the Contractor shall furnish an itemized breakdown of his contract amount, distributed according to different classes of work. In making application for payments, the Contractor shall show, each period, the percentages of completion of each class.
 2. Contractor shall send three (3) copies for each Application for Payment. In lieu of submitting "hard" copies it is permissible to scan and e-mail the pay applications. See 1.18 B of this Section for list of e-mail recipients.

ISU SPECIAL REQUIREMENTS AND INFORMATION

3. The Owner will make partial payment to the Contractor on the basis of a duly certified, approved estimate of the work performed during the preceding calendar month by the Contractor within 15 days after receipt by the Owner.
4. Payment will be made on balance due on labor and materials installed permanently in the work to within 90% of estimated value, and not to exceed 90% of the value of materials delivered to the site which are not subject to damage by exposure to the elements.
5. Stored materials and equipment offsite: The Owner will make payment for materials and equipment store offsite under the following conditions.
 - a. The Contractor requests in writing to the Architect/Engineer/Owner for payment on offsite stored materials and equipment.
 - b. The Architect/Engineer/Owner is given access to the offsite storage facility for purposes of inspection and verification of the stored materials and equipment. Any material or equipment not properly stored or protected shall not be approved for payment.
 - c. The Contractor shall provide to the Architect/Engineer/Owner a current Certificate of Insurance on the remote storage facility. This insurance shall remain in force for the duration of the storage of the stored materials and equipment at the remote location.
6. The Owner, if conditions in its opinion warrant, has the right to withhold, in addition to retained percentages, such an amount or amounts from the payment to the Contractor as may be necessary to pay just unpaid claims for labor and services rendered and materials furnished in connection with the work.
7. The Owner will not approve for payment on any estimate, the value on any materials which, in his opinion, does not meet the contract requirements.
8. At the conclusion of installation and satisfactory inspection by the Owner, the work shall be acceptable for payment of an amount equal to ninety-five (95%) percent of the total contract amount.
9. Reduction or Limitation of Retainage:
 - a. At the sole written discretion of Indiana State University, if acceptable progress is made, at fifty percent (50%) completion of the Contract Sum the remaining Retainage may be reduced to 0%.
 - b. Any subsequent Change Orders after the reduction of Retainage shall have 5% Retainage withheld.
10. **Requests for compensation, for previously approved Change Orders omitted from an Application for Payment, received sixty (60) calendar days after Owner receipt of the Final Application for Payment (Release of Retainage) shall not be honored.**
11. Final payment will be due and payable the later of sixty-one (61) days from date of receipt of the Final Application for Payment or after the Contractor has completed all punch list items, certified that all Subcontractors and Suppliers have been paid, and all claims, including the Contractor's, have been resolved. Before issuance of the final payment, the Contractor shall furnish an affidavit (Final Waiver of Lien) as evidence that there are no claims on account of the Contract, outstanding liens of claims for materials furnished, or labor performed on the work. The final payment shall constitute the acceptance of the work by the Owner, except as to work thereafter found to be defective. The date of such payment shall be regarded as the date of final acceptance of the work.
12. Warranty: The Warranty Period shall be per AIA A201-2007 Article 3 Paragraph 3.5 as amended by Specification Section 00 20 11 Amendments to General Conditions.

ISU SPECIAL REQUIREMENTS AND INFORMATION

C. ACH Payments

1. In an effort to expedite Contractor payments Indiana State University requests the Contractor set up an ACH account for Project Payments. Contact Barbara Tschida in the ISU Office of the Controller at 812-237-3521 to set up this account.
2. If the Contractor currently has an ACH Account with Indiana State University it is not necessary to set up an account for each Project. It is solely the responsibility of the Contractor to maintain accurate Banking information on file with the ISU Office of the Controller.

D. Special provisions regarding Retainage and Escrow:

1. The laws of the State of Indiana (IC 5-16-5.5-3 as amended) contain certain provisions regarding retainage, bonds and payment of Contractors and Subcontractors. The Contracts and Subcontracts entered into pursuant to these instructions to Bidders shall be governed by those provisions with respect to Contracts in excess of \$200,000 entered into between a Contractor and the Indiana State University Board of Trustees.
2. These provisions require, among other things, that the amounts retained by the Owner from the contractor pursuant to retainage provisions be placed in an escrow agreement to be executed by the Contractor. Pursuant to these provisions, the successful Bidder shall be required to execute an escrow agreement between the Contractor and the Owner.
3. This escrow agreement shall have no application to payment withheld by the Owner pursuant to provisions of the Construction Contract intended to protect the Owner from loss on account of defective work not remedied; claims filed on reasonable evidence; failure of the Contractor to make payments when due to subcontractors or for material or labor; reasonable doubt that the contract can be completed for the balance then unpaid; damage to another contract; failure or refusal of the Contractor to prosecute the work in strict compliance with the above process schedule; or similar provision.
4. In addition, each successful Bidder will be required to comply with all applicable provisions of the statute referred to above with respect to each of his Subcontractors (as the term 'Subcontractor' is defined in the statute referred to above).
5. The Contractor shall contact Kathy Abernathy in the Office of the Vice President for Finance and Administration at (812)-237-3554 to set-up this escrow account.
6. Should a Contractor fail to execute an Escrow Agreement between the Contractor and the Owner (Indiana State University Board of Trustees) the Contractor waives all claims for any interest the Contractor would have accrued had an Escrow Agreement been executed.

1.17 CONTRACTOR'S BID

- A. Contractor shall submit Bid for Base Bid and any Alternate Bids as listed in Section 00 20 00.

1.18 INVOICING

- A. All invoices and/or Certificates of Payment must be addressed to:

Indiana State University
 Department of Facilities Management
 951 Sycamore Walk
 Terre Haute, IN 47809
 Attention: Seth Hinshaw

And sent via the Architect/Engineer

ISU SPECIAL REQUIREMENTS AND INFORMATION

- B. It is permissible to submit applications for payment electronically via e-mail. E-mail copies of the Application for Payment to:

1. Bryan Duncan Bryan.Duncan@indstate.edu

2. —

Do not sent Applications for Payment to the ISU Accounts Payable Office

- C. A Partial Wavier of Lien shall be submitted with every Application for Payment until the final Application for Payment (Release of Retainage) when a Final Waiver of Lien shall be submitted.

1.19 SITE LOCATION(S)

A. _____

1.20 PROJECT CONTACT

- A. All questions regarding this Project shall be addressed to:

PART 2 – NOT USED

PART 3 – NOT USED

END OF SECTION 00 30 00

01 10 00
SUMMARY OF WORK

PART 1 - GENERAL

1.01 DESCRIPTION

- A. The project is located on the campus of Indiana State University at **The Hulman Center, 200 N. 8th Street, Terre Haute, IN 47809.**

1.02 RELATED SECTIONS

- A. Division 00 Sections
B. Division 01 Sections
C. All Division 02-33 Sections as applicable

1.03 SCOPE OF WORK – BASE BID

- A. **The following, but not limited to, is included in the Base Bid Package:**

1. Locker Room Renovations

- a. **Comprehensive interior renovations of the ISU Men's and Women's Basketball locker rooms on the Event Level of the Hulman Center.**
b. **Renovation to public restrooms on the Event Level of the Hulman Center.**

2. Premium Seating Renovations

- a. **The addition of loge box premium seating fed from the Main Concourse in the south end of the lower seating bowl.**
b. **Addition of accessible seating platforms around the lower seating bowl.**

B. Procedures

1. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the Base Bid into the Project.
2. Include as part of the Base Bid miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of the Base Bid.

1.04 SCOPE OF WORK – ALTERNATES

A. **Refer to Section 01 23 00**

1. Alternate No. 1: Showers (Locker Room Upgrades)

- a. **Furnish and install cast polymer shower surrounds and accessories instead of fully tiled shower walls and floors.**

2. Alternate No. 2: Wood Veneer Finish (Locker Room Upgrades)

- a. **Furnish and install plastic laminate instead of wood veneer.**

3. Alternate No. 3: Air Purifiers (Locker Room Upgrades)

- a. **Furnish and install air purifiers.**

4. Alternate No. 4: Audio / Visual Equipment (Locker Room Upgrades)

- a. **Furnish and install audio / visual equipment.**

5. Alternate No. 1: Main Circulation Path Flooring (Premium Seating)

- a. **Furnish and install liquid rubber flooring system.**

6. Alternate No. 2: Premium Seating Flooring (Premium Seating)

- a. **Furnish and install engineered wood flooring system.**

01 10 00
SUMMARY OF WORK

- B. The cost or credit for each Alternate is the net addition to or deduction from the Contract Sum to incorporate Alternate into the Work. No other adjustments are made to the Contract Sum.
- C. Procedures
 - 1. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the Alternate into the Project.
 - 2. Include as part of each Alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of Alternate.
 - 3. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each Alternate. Indicate if Alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to Alternates.
 - 4. Execute accepted Alternates under the same conditions as other work of the Contract.
- D. Selection and Award of Alternates: The Owner reserves the right to selectively accept or reject Alternates at their discretion and is under no obligation to accept any Alternates.

1.05 BID SUBMISSION REQUIREMENTS

- A. Bids shall be submitted on the included Bid Form (Section 00 20 00) and will be reviewed and accepted or rejected at the Owner's option.
- B. All Bids shall be held for a period of One Hundred Twenty (120) Calendar days after submission of the Bid.

1.06 RELATED WORK SPECIFIED ELSEWHERE

- A. The Prime Contractor shall be aware, and shall make his subcontractors aware that the requirements in the sections of Divisions 00 and 01 pertain to all the work and they are binding on each section of these specifications as if they were repeated in each section in their entirety.
- B. The Prime Contractor shall be responsible for understanding the scope and intent of the work in all sections of these Specifications
- C. The Prime Contractor is responsible for review of all sections of the Specifications and all Drawings to confirm any additional areas of responsibility.
- D. All Contractors are responsible for their area of work which might show up only on a drawing from another series or Specification section.

1.07 CONTRACTS

- A. Work shall be performed under one Prime Contract.

1.08 PRIME CONTRACTOR'S DUTIES

- A. Project Supervision: see Section 00 20 20 item 1.09 for requirements
- B. Except as specifically noted, provide and pay for:
 - 1. Labor, materials and equipment
 - 2. Tools, construction equipment and machinery
 - 3. Other facilities and services necessary for proper execution and completion of work
- C. Pay legally required State and Federal Taxes.
- D. Contractor shall make all his own measurements in the field and shall be responsible for correct fitting. He shall coordinate this work with all other branches in such a manner as to cause a minimum of conflict or delay. Contractor shall coordinate his work in advance with all other trades and report immediately any difficulty which can be anticipated.

01 10 00
SUMMARY OF WORK

- E. The Contract Documents shall be carefully studied by the Contractor during the course of construction. Any errors in layout or errors of omission which are discovered shall be referred immediately to the Architect/Engineer for interpretation or correction.
 - F. Secure and pay for, as necessary for proper execution and completion of work, and as applicable at time of receipt of bids:
 - 1. Permits
 - 2. Licenses
 - G. Give required notices.
 - H. Comply with codes ordinances, rules, regulations, orders and other legal requirements of public authorities which bear on performance of work.
 - I. Promptly submit written notice to Architect/Engineer of observed variances of Contract Documents from legal requirements.
 - J. Enforce strict discipline and good order among employees.
 - K. Coordinate delivery and installation dates with Architect/Engineer and Owner and incorporate into Construction Schedule.
 - L. Prepare and update Construction Schedule.
 - M. Notify and receive approval from the Owner at least 48 hours in advance for utility connections, or shut-off. Coordinate these operations with the Owner, through the Architect/Engineer, and complete the work in the minimum amount of time.
 - N. Notify the Architect/Engineer in writing when work is completed and keep the Architect/Engineer informed of the progress of the work. No work shall be closed or covered until it has been inspected and approved. Should work not inspected be covered, uncover all such work so that it can be properly inspected and after such inspection, properly repair and replace all of the work at no additional cost to the Owner.
 - O. Where the Contract Documents require any work to be tested, the Architect/Engineer shall be notified sufficiently in advance so that he may observe such tests.
 - P. Contractor shall submit a copy of any permits he has secured before starting work on this project unless otherwise stated by Owner.
 - Q. Where the Contract Documents require the use of AIA Documents including, but not limited to, G702 Application and Certificate for Payment and G703 Continuation Sheet.
 - R. For Projects in excess of \$150,000.00 submit with each Application for Payment the Owner's Mandatory Tier II Spend Report using the ISU Business Diversity Spend Reporting Form for Construction/Renovation/Facilities Repair Projects per instructions on the Section 00 10 41 Tier II Spending Reporting Form.
- 1.09 OTHER REQUIREMENTS
- A. Nightly the Prime Contractor shall secure the construction site to discourage unauthorized individuals from accessing the site. Special effort to secure the site shall be made on Friday evenings.
 - B. While the site shall be kept orderly at all times, weekly the Prime Contractor shall clean-up the construction site of:
 - 1. Any accumulated trash and rubbish.
 - 2. Dirt, dust, mud, etc. associated with the construction process.
 - 3. Salvaged materials not slated for re-use and excess materials not slated for use.

PART 2 – NOT USED

01 10 00
SUMMARY OF WORK

PART 3 – NOT USED

END OF SECTION 01 10 00

01 23 00
ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for Alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by Bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. The cost or credit for each Alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the Alternate into the Project.
 - 1. Include as part of each Alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of Alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each Alternate. Indicate if Alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to Alternates.
- C. Execute accepted Alternates under the same conditions as other work of the Contract.
- D. Schedule: A Schedule of Alternates is included at the end of this Section.

1.5 SELECTION AND AWARD OF ALTERNATES

- A. Bids will be evaluated on the Base Bid including any or all Alternates accepted by the Owner.
- B. The Owner reserves the right to selectively accept or reject Alternates at their discretion and is under no obligation to accept any Alternates.
- C. Price of Bid Alternates shall be held for 120 days from Contract Date.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 **SCHEDULE OF ALTERNATES – LOCKER ROOM UPGRADES**

A. Alternate 1 – Showers

- 1. **Base Bid: Furnish and install fully tiles shower walls and floors as indicated on Drawings and within the Project Manual.**
- 2. **Alternate: Provide difference in cost to furnish and install cast polymer shower surrounds and accessories as specified in Section 102819 “Tub and Shower Enclosures” instead of fully tiled showers.**

B. Alternate 2 – Wood Veneer Finish

- 1. **Base Bid: Furnish and install flush wood veneer wall finish (WDV-01) as indicated in Room Finish Schedule**

01 23 00
ALTERNATES

2. **Alternate: Provide difference in cost to change WDV-01 to premium plastic laminate based on Wilsonart (Tan Echo 7941K-18, Linearity Finish). Wood paneling details would be required to be modified based of finish material difference.**
- C. Alternate 3 – Air Purifiers**
1. **Base Bid: No associated work regarding air purifiers.**
 2. **Alternate: Provided difference in cost to furnish and install air purifiers as shown in Bid Documents.**
- D. Alternate 4 – Audio / Visual Equipment**
1. **Base Bid: No associated work regarding audio / visual work within locker rooms.**
 2. **Alternate: Provide difference in cost to furnish and install audio / visual equipment (tv's, speakers, and associate equipment) within locker rooms as indicated in Bid Documents.**
- 3.2 SCHEDULE OF ALTERNATES – PREMIUM SEATING**
- A. Alternate 1 – Main Circulation Path Floor Material**
1. **Base Bid: Furnish and install liquid rubber flooring (RS-01) as indicated on Finish Schedule.**
 2. **Alternate: Provide difference in cost to leave floor finish as existing (sealed concrete). Alternate to also include furnish and install of carpet tile CPT-04 on stairs does to Premium Seating.**
- B. Alternate 2 – Premium Seating Flooring**
1. **Base Bid: Furnish and install CPT-04 as indicated on finish plans.**
 2. **Alternate: Provide difference in cost to furnish and install engineered wood flooring as specified in Section 096400 “Rood Flooring.”**

END OF SECTION 01 23 00

01 23 60
ALLOWANCES

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes administrative and procedural requirements governing allowances.
 - 1. Certain materials and equipment are specified in the Contract Documents by allowances. In some cases, these allowances include installation. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when additional information is available for evaluation. If necessary, additional requirements will be issued by Change Order.
- B. Types of allowances include the following:
 - 1. Lump-sum allowances.
 - 2. Unit-cost allowances.
 - 3. Contingency allowances.
 - 4. Testing and inspecting allowances.
 - 5. Quantity allowances.
- C. Related Sections include the following:
 - 1. Division 01 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
 - 2. Division 01 Section "Quality Requirements" for procedures governing the use of allowances for testing and inspecting.

1.03 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise the Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.04 SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.
- B. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.

1.05 CONTINGENCY ALLOWANCES

- A. Use the contingency allowance only as directed by Architect for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
- B. Contractor's overhead, profit, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, taxes, insurance, equipment rental, and similar costs.
- C. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit margins.

01 23 60
ALLOWANCES

- D. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

1.06 TESTING AND INSPECTING ALLOWANCES

- A. Testing and inspecting allowances include the cost of engaging testing agencies, actual tests and inspections, and reporting results.
- B. The allowance does not include incidental labor required to assist the testing agency or costs for retesting if previous tests and inspections result in failure.
- C. Costs of services not required by the Contract Documents are not included in the allowance.
- D. At Project closeout, credit unused amounts remaining in the testing and inspecting allowance to Owner by Change Order.

1.07 UNUSED MATERIALS

- A. Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
 - 1. If requested by Architect, prepare unused material for storage by Owner when it is not economically practical to return the material for credit. If directed by Architect, deliver unused material to Owner's storage space. Otherwise, disposal of unused material is Contractor's responsibility.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.02 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.03 SCHEDULE OF ALLOWANCES

- A. Allowance # 1: A \$185,000 Allowance shall be included in the Base Bid for Locker Room Renovation package only for renovation of existing public restrooms on the Event Level of the Hulman Center. This allowance is to include demolition work, new finishes include tile, casework, and mirrors, toilet accessories, toilet partitions, light fixture replacement (1 for 1), plumbing fixture replacement (1 for 1), mechanical diffuser replacement, and reinstallation of fire alarm and occupancy sensors. Amount indicated includes overhead and profit and 20% contingency. Any unused Allowance monies shall be returned to the Owner at Project closeout by Change Order.**
- B. Allowance # 2: A \$20,000 Allowance shall be included in the Base Bid for Locker Room Renovation package only to cover the cost to relocate existing conduits, babbling, piping, etc., as required to allow for the ceiling heights to be raised. Amount indicated includes overhead and profit and 20% contingency. Any unused Allowance monies shall be returned to the Owner at Project closeout by Change Order.**

END OF SECTION 01 23 60

Sheet #	Sheet Name
0	
G-001.2	COVER - LOCKER ROOM RENOVATIONS
G-002.2	SHEET INDEX AND PROJ LOCATION
9	
A-001.1	GENERAL NOTES, SYMBOLS, AND STANDARD MOUNTING HEIGHTS
A-002.1	INTERIOR PARTITION TYPES AND FINISH SCHEDULE
A-101	EVENT LEVEL - REFERENCE PLAN
A-401	ENLARGED PLAN AND RCP - MBB LOCKER ROOM
A-402	ENLARGED PLAN AND RCP - VBB LOCKER ROOM
A-451	INTERIOR ELEVATIONS - MBB LOCKER ROOM
A-452	INTERIOR ELEVATIONS - VBB LOCKER ROOM
A-453	ENLARGED PLANS AND SECTIONS
A-454	INTERIOR DETAILS
A-455	INTERIOR DETAILS
A-456	INTERIOR CEILING DETAILS
A-461	FINISH PLANS + DETAILS
A-700	FURNITURE PLANS

12	
FP-301	ENLARGED PLAN - MBB LOCKER ROOM - FIRE PROTECTION
FP-302	ENLARGED PLAN - WBB LOCKER ROOM - FIRE PROTECTION

13
P-100 EVENT LEVEL - REFERENCE PLAN - PLUMBING
P-301 ENLARGED PLAN - MBB LOCKER ROOM - PLUMBING
P-302 ENLARGED PLAN - WBB LOCKER ROOM - PLUMBING

15

M-101.1	EVENT LEVEL - REFERENCE PLAN - MECHANICAL
M-401.1	ENLARGED PLAN - MBB LOCKER ROOM - MECHANICAL
M-402.1	ENLARGED PLAN - WBB LOCKER ROOM - MECHANICAL
M-501.1	DETAILS & SCHEDULES - MECHANICAL

16	
E-001.1	SYMBOLS, ABBREVIATIONS, & GENERAL NOTES - ELECTRICAL
E-101.1	EVENT LEVEL - REFERENCE PLAN - ELECTRICAL
E-401.1	ENLARGED PLAN - MBB LOCKER ROOM - ELECTRICAL
E-402.1	ENLARGED PLAN - WBB LOCKER ROOM - ELECTRICAL
E-601.1	SCHEDULES - ELECTRICAL

Applicable Codes:	2014 Indiana Building Code 2014 Indiana Mechanical Code 2014 Indiana Fire Code 2012 Indiana Plumbing Code 2009 Indiana Electrical Code 2010 Indiana Energy Conservation Code 2011 Indiana Elevator Safety Code NFPA 13, 2010 Edition General Administrative Rules of the Fire Prevention and Building Safety Commission, Second Edition
Scope of Project:	The project will involve the following renovation scope to the existing Hulman Center: - Renovation of existing Event Level Restrooms (per allowances in the Project Manual) including interior, mechanical, electrical, and plumbing systems. - Interior renovation of existing Hulman Center Event Level Men's and Women's basketball team locker rooms, including: - Minor interior wall relocation, finish upgrades, and millwork upgrades - Updated existing mechanical, electrical, plumbing and technology systems - Reconfiguration of existing of automatic sprinkler protection throughout the project scope area. - Reconfiguration of existing voice-alarm system throughout the project scope area.
Code Strategy and Considerations:	The existing building is used for a variety of sports, entertainment, and event functions, classified as A-4, A-3, and A-2 Occupancies, with accessory B Occupancy functions. - Existing means of egress and exiting will remain in their existing configuration with no changes. - The existing sprinkler system remains with minor reconfiguration in Locker Rooms. - The existing voice-alarm system remains with minor reconfiguration in Locker Rooms.
Application of Codes to the Existing Building:	Existing features which are not adversely impacted by the new construction or not proposed for alteration in the scope of the project are not required to be brought into compliance with current codes per Rule 4, Section 12, G&R. Addition and existing building are required to comply with current code for allowable area and height per Rule 4, Section 12(f), G&R.
Occupancy Classifications:	Area used for spectator sports [303.5] Meeting rooms or other assembly functions outside of the seating bowl with an occupant load of 50 or more - A-3 Occupancy [303.4] Banquet and event use - A-2 Occupancy [303.3] Administrative offices and meeting spaces with an occupant load of less than 50 each - B Occupancy [304.1]
Construction Type - Fire-Resistive Requirements:	Existing building is Type IA Construction, consisting of 3-hour structural frame, 2-hour rated floors, and 1.5-hour rated roof. Roof structure more than 20 feet above any floor or balcony level is permitted to be nonrated.
Incidental Use Areas:	None applicable to this project [Table 509]
Fire Pump Room:	Fire pump room is required to be separated from the rest of the building with a 1-hour separation. [913.2.1]
Shafts and Vertical Openings:	Existing interconnections between the lower level, concourse level and upper levels will remain in their existing configuration. [713] No new vertical shafts are provided.
Elevator Hoistways:	Elevator shafts and machine rooms will be enclosed with 2-hour construction to control sprinkler protection. [903.3.1.1.1]
Means of Egress in Seating Bowl:	Means of egress elements serving seating areas comply with IBC requirements for assembly seating "without smoke protection." [1025.6.1]
Egress Travel Distance:	Exit access travel distance is permitted to be a maximum of 250 feet for A Occupancies, and 300 feet for B Occupancies for new construction. [Table 1016.1] Existing egress travel distances will be maintained per Rule 4, Section 9, G&R.
Panic Hardware:	Panic hardware required on all new means of egress doors serving A Occupancy areas [1008.1.10]
Automatic Sprinklers:	Automatic sprinklers will be provided throughout the addition and in all portions of the existing building with the exception of the seating bowl. Automatic sprinklers are required throughout based upon increased fire area in an A Occupancy [903.2.1] Reconfiguration of existing system will be supplied by the municipal water supply with existing providing by a new 100hp fire pump
Standpipes:	A total of 11 existing standpipe hose connections equipped with 2½-inch hose valves for fire department use will be maintained.
Fire Alarm System:	A voice-alarm system is required based upon an A Occupancy with an occupant load exceeding 1,000 [907.2.1] A voice-alarm system is installed throughout, minor reconfiguration in Locker Room project.
Smoke Control System:	A smoke control system complying with 909, IBC, is not required based upon a net decrease in seating capacity. A smoke purge system will be provided consisting of rooftop pressure-relief ventilators, and a fire alarm actuated smoke purge mode for new air handlers. Upon alarm initiation, the air handlers will go 100% outside air and pressure-relief ventilators will evacuate air from the bowl volume.
Emergency Power:	Emergency standby power to be provided for egress illumination

A. THE FOLLOWING GENERAL NOTES APPLY TO THESE CONTRACT DOCUMENTS AND ARE AN INHERENT PART OF ANY ONE OR MORE OF THESE CONTRACT DOCUMENTS.

B. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS OF THE CONTRACT.

C. ANY DISCREPANCIES OR CONFLICTS BETWEEN THE CONTRACT DOCUMENTS SHALL OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THE CONTRACTOR.

D. THE SETS OF DRAWINGS ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED BY THE CONTRACTOR.

E. THE CONSTRUCTION DOCUMENTS ESTABLISH DETAILED MINIMUM REQUIREMENTS FOR THE CONSTRUCTION OF THIS PROJECT.

F. THE GENERAL NOTES, SYMBOLS AND DEFINITIONS APPLICABLE ONLY TO EACH DISCIPLINE CAN BE FOUND AT THE FRONT OF EACH DISCIPLINE PORTION OF THE SET OF DRAWINGS.

G. AS PART OF THE CONTRACTORS OBLIGATION TO DISCLOSE INFORMATION TO THE OWNER, BASIC FIRE PROTECTION AND THE EXISTING SCHEME ARE MAINTAINED IN THE EXISTING SCHEME.

H. APPLICABLE FIRE AND BUILDING CODE SUMMARY IS ON SHEETS G-002.

I. THE ARCHITECTURAL DRAWINGS OF THE PROJECT ARE NOT TO BE USED FOR ANY OTHER PURPOSE.

J. PRECEDENCE FOR THE FINISH APPEARANCE OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL TRADES INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES IS TO BE DETERMINED BY THE ARCHITECT'S INTENT AND THE DEVICES, ETC. SHOWN ON ARCHITECTURAL DOCUMENTS AND THE DOCUMENTS OF OTHER DISCIPLINES CONTRACTORS PRICING SHALL ACCOUNT FOR THE GREATER QUALITY SHOWN.

K. THE DRAWINGS MAY MAKE REFERENCE TO AND/OR ILLUSTRATE ITEMS WHICH ARE NOT PART OF THE WORK OF THE CONTRACT. THESE "NOT IN CONTRACT" ITEMS ARE NOT TO BE USED AND/OR NOT TO BE USED FOR THE CONTRACTORS REFERENCE, INFORMATION, AND COORDINATION ONLY.

L. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH APPLICABLE LAWS, CODES, REGULATIONS, AND ORDINANCES OF THE CITY OF LOS ANGELES, THE STATE OF CALIFORNIA, AND ORDINANCES OF ANY OTHER JURISDICTION WHERE THE PROJECT IS LOCATED. SUCH REQUIREMENTS MAY NOT BE REFLECTED BY THESE CONTRACT DOCUMENTS.

M. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED RECORD DRAWINGS AND OR VISUAL FIELD SURVEYS. THE CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

N. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND SIMILAR LAWS REQUIRED FOR THE CONSTRUCTION AND OCCUPANCY OF THE PROJECT. THE CONTRACTOR SHALL FURNISH COPIES OF ALL SUCH ITEMS TO THE OWNER AND ARCHITECT WITHIN 10 DAYS OF THE PERMIT DEADLINE. THE CONTRACTOR SHALL BE SUBJECT TO CERTAIN CONDITIONS OR REVISIONS TO THE WORK OR IF PERMITS ARE DELAYED FOR ANY REASON, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT.

O. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MAINTAIN AND PROTECT NEW WORK AS WELL AS EXISTING SYSTEMS AND ELEMENTS WHICH ARE TO REMAIN. ANY DAMAGE TO EXISTING SYSTEMS AND ELEMENTS WHICH ARE TO REMAIN SHALL BE REPAIRED TO BE ACCEPTABLE TO THE ARCHITECT. IF SATISFACTORY REPAIRS CANNOT BE MADE, THE CONTRACTOR SHALL REPLACE SYSTEMS AND ELEMENTS WITH LIKE NEW QUALITY EQUIVALENTS TO THE EXISTING. THE COST OF REPLACEMENT COST SHALL BE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.

The map shows the Fort Worth area with major highways and landmarks. A red dot indicates the location of the Fort Worth Stockyards, situated near the intersection of I-75 and I-40, south of the Texas State Capitol. Other labeled areas include Downtown Fort Worth, Texas State Capitol, and various neighborhoods like Stockyards, Tarrant County, and Fort Worth. The map also shows the Red River and the Trinity River.

[illegible]

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[illegible]

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SHEET TITLE

SHEET NUMBER

G-002.2

ABBREVIATIONS

A	ACOUSTICAL CEILING TILE	O	ON CENTER
AFF	ABOVE FINISHED FLOOR	OD	OUTSIDE DIAMETER
AV	AUDIOVISUAL	OFCl	OWNER FURNISHED-CONTRACTOR INSTALLED
		OFCl	OWNER FURNISHED-OWNER INSTALLED
B		OH	OPPOSITE HAND
B/O	BOTTOM OF	OPP	OPPOSITE
B/O W	BOTTOM OF WALL		
C		P	
CFCl	CONTRACTOR FURNISHED-CONTRACTOR INSTALLED	PLAM	PLASTIC LAMINATE
CG	CORNER GUARD	PR	PAIR
CL	CONTROL JOINT		
CL	CENTERLINE	R	RADIUS
COL	COLUMN	RCP	REFLECTED CEILING PLAN
CPT	CARPET	RD	ROOF DRAIN
CT	CERAMIC TILE	REF	REFERENCE
		RM	ROOM
D		RO	ROUGH OPENING
DIA	DIAMETER		
DN	DOWN	S	SQUARE FEET
DWG	DRAWING	SM	SIMILAR
		SO	SQUARE
E		STOR	STORAGE
EIFS	EXTERIOR INSULATION FINISH SYSTEM		
EJ	EXPANSION JOINT	T	THICKNESS
EQ	EQUAL	TBD	TO BE DETERMINED
EQUIP	EQUIPMENT	T/O D	TOP OF DECK
EW	ELECTRIC WATER COOLER	T/O M	TOP OF MASONRY
		TMFRD	TEMPERED
F		T/O	TOP OF
F-R	FIRE RESISTIVE	T/O P	TOP OF PAVEMENT
FCU	FAN COIL UNIT	T/O S	TOP OF STEEL
FD	FLOOR DRAIN	T/O W	TOP OF WALL
FE	FIRE EXTINGUISHER	TYP	TYPICAL
FEC	FIRE EXTINGUISHER CABINET		
FFE	FINISH FLOOR ELEVATION	U	UNLESS NOTED OTHERWISE
FF&E	FURNISHINGS, FIXTURES AND EQUIPMENT		
FHC	FIRE HOSE CABINET	V	
FT	FOOT/FEET	VCT	VINYL COMPOSITION TILE
		VEST	VESTIBULE
G		VIF	VERIFY IN FIELD
GC	GENERAL CONTRACTOR		
		W	
H		WD	WOOD
H	HEIGHT		
HB	HOSE BIBB	MISCELLANEOUS	
HM	HOLLOW METAL	∠	ANGLE
HVAC	HEATING, VENTILATION & A.C.	C	CENTER LINE
		#	NUMBER
I			
INT	INTERIOR		
J			
JAN	JANITOR		
L			
LB	POUND		
M			
MAX	MAXIMUM		
MDF	MEDIUM DENSITY FIBERBOARD		
MECH	MECHANICAL		
MEP	MECH. ELECT. / PLUMBING		
MFR	MANUFACTURER(ING)		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MO	MASONRY OPENING		
N			
NIC	NOT IN CONTRACT		
NO	NUMBER		
NTS	NOT TO SCALE		

ARCHITECTURAL MATERIAL LEGEND

	EARTH		FINISHED WOOD SHOWN CUT AND ELEVATION		ACOUSTICAL CEILING TILE
	GRANULAR FILL		ENGINEERED WOOD GLUE LAMINATED		RESINOUS FLOORING: TERRAZO, TROWEL-ON, UNO
	SAND, GROUT AS NOTED		WOOD FLOOR, WOOD SHINGLES, OR SIDING		TILE: CERAMIC, QUARRY, UNO
	CAST-IN-PLACE CONCRETE		PARTICLEBOARD		CARPET, CARPET TILE (DETAIL)
	PRECAST CONCRETE, CAST STONE		PLYWOOD		GRATING SHOWN IN PLAN
	CONCRETE MASONRY UNIT		GLASS FIBER REINFORCED CONCRETE SIDING OR TRIM		INSULATED GLASS: (SMALL SCALE)
	BRICK MASONRY		EIFS		INSULATED GLASS: (DETAIL)
	STONE: LIMESTONE, GRANITE, MARBLE OR AS NOTED		SPRAYED FIREPROOFING SHOWN ON ROLLED SHAPE		MEMBRANE: WATERPROOF, ROOF, DAMPPROOFING
	TERRA COTTA, STRUCTURAL CLAY TILE		BATT INSULATION: THERMAL OR ACOUSTICAL, UNO		AIR BARRIER SYSTEM
	METAL: TYPE AS NOTED		RIGID INSULATION: THERMAL, ACOUSTICAL, OR SIDING		
	METAL: ROLLED SHAPES		GYPSUM WALL BOARD		
	WOOD FRAMING / BLOCKING: CONTINUOUS		PLASTER ON METAL LATH		
	WOOD SHIM		SHEATHING: GYPSUM, OR AS NOTED		

NOTE: PATTERNS SHOWN REPRESENT CUT MATERIALS IN PLAN OR SECTION, UNLESS NOTED OTHERWISE ABOVE.

ARCHITECTURAL SYMBOLS LEGEND

	COLUMN GRIDS		DOOR / DOOR NUMBER		PARTITION TYPE SYMBOL*
	ELEVATION DATUM REFERENCE		KEY NOTE (SHAPE VARIES)		WINDOW NUMBER
	ENLARGED DRAWING REFERENCE		ALIGN DESIGNATED SURFACES		NORTH ARROW
	BUILDING SECTION CUT REFERENCE		INDICATES NORTH DIRECTION		REVISION REFERENCE
	DRAWING NUMBER SHEET NUMBER		ROOF SLOPE - ARROW POINTS TOWARD DRAIN		ROOM NAME AND NUMBER
	WALL SECTION CUT REFERENCE				
	DRAWING NUMBER SHEET NUMBER				
	ELEVATION REFERENCE				
	DRAWING NUMBER SHEET NUMBER				

GENERAL ARCHITECTURAL NOTES

- THESE GENERAL NOTES APPLY TO ARCHITECTURAL DRAWINGS.
- WORK SHOWN ON THE DRAWINGS SHALL BE BASE BID UNLESS SPECIFICALLY NOTED TO BE BY ALTERNATE BID.
- FIELD VERIFY EXISTING FINISH FLOOR ELEVATIONS PRIOR TO STARTING CONSTRUCTION. MATCH NEW FLOOR ELEVATIONS WITH EXISTING UNLESS NOTED OTHERWISE.
- DIMENSIONS TO EXISTING CONSTRUCTION ARE TO FINISH SURFACE. DIMENSIONS TO NEW CONSTRUCTION ARE TO STRUCTURAL CENTERLINE, FACE OF CONCRETE, FACE OF MASONRY CONSTRUCTION, OR TO FACE OF EXTERIOR OF INTERIOR PARTITION TYPE UNLESS NOTED OTHERWISE. FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO STARTING WORK AND NOTIFY ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE FOUND BETWEEN CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS.
- DO NOT SCALE DRAWINGS. REFER DIMENSION QUESTIONS TO ARCHITECT FOR INTERPRETATION.
- DOOR AND FRAME NUMBERS CORRESPOND TO RESPECTIVE ROOM NUMBERS. IN ROOMS WITH MULTIPLE OPENINGS, A SUFFIX HAS BEEN ADDED TO DOOR NUMBERS, I.E., A101-B.
- LOCATE INSIDE FACE OF DOOR FRAME JAMBS 6 INCHES FROM FINISH FACE OF ADJACENT WALLS UNLESS NOTED OTHERWISE.
- COORDINATE EQUIPMENT WORK WITH MANUFACTURERS AND SUPPLIERS TO INSURE PROPER ROUGH-IN CLEARANCES FOR INSTALLATION, USE AND MAINTENANCE.
- PROTECT EXISTING SURFACES TO REMAIN THAT ARE NOT INCLUDED IN SCOPE OF WORK BUT THAT ARE WITHIN AREAS OF CONSTRUCTION ACTIVITY.
- PATCH, REPAIR AND RESTORE EXISTING FINISHES AND SURFACES TO AS NEW CONDITION AS REQUIRED TO MATCH SURROUNDING MATERIALS OR TO PROVIDE APPROPRIATE SUBSTRATE PRIOR TO INSTALLING NEW FINISHES. AREAS NOTED TO BE PATCHED OR REPAIRED ON THE DRAWINGS ARE GIVEN FOR REFERENCE AND SHALL NOT BE INTERPRETED TO LIMIT THE SCOPE OF WORK.
- PROVIDE CONTROL JOINTS (C.J.) IN GYPSUM BOARD WALL CONSTRUCTION AS INDICATED. VERIFY FINAL CONTROL JOINT LOCATIONS WHETHER OR NOT INDICATED ON THE DRAWINGS WITH ARCHITECT PRIOR TO STARTING WORK. PROVIDE MAXIMUM SPACING BETWEEN JOINTS AS FOLLOWS:
 - CEILINGS: INSTALL CONTROL JOINTS IN CEILINGS PER ASTM C840 IN ALL CEILINGS WITH AREA EXCEEDING 250 S.F., SPACED 30'-0" O.C. MAXIMUM. CONTROL JOINTS ALSO TO BE INSTALLED WHERE FRAMING OR FURRING CHANGES DIRECTION. REFER TO REFLECTED CEILING PLANS FOR DESIRED LOCATIONS.
 - WALLS: INSTALL CONTROL JOINTS IN INTERIOR PARTITIONS AND FURRING PER ASTM C840 IN AREAS EXCEEDING 30'-0", SPACED 30'-0" O.C. MAXIMUM. REFER TO INTERIOR ELEVATIONS FOR DESIRED LOCATIONS.
- METAL STUD SPACING SHALL BE 16" ON CENTER MAXIMUM UNLESS OTHERWISE REQUIRED BY DELEGATED DESIGN OR NOTED OTHERWISE.
- PROVIDE WATER-RESISTANT GYPSUM BOARD ON WALLS WITH OPERABLE PLUMBING FIXTURES AND ON ALL WALL SURFACES WITHIN 4'-0" OF DRINKING FOUNTAINS OR WATER COOLERS.
- PROVIDE FINISHED END PANELS, FILLERS, SUPPORTS, ETC. REQUIRED FOR A COMPLETE CABINETRY INSTALLATION. PROVIDE CUTOOTS, ACCESS PANELS AND REMOVABLE COMPONENTS AS REQUIRED BY NEW OR EXISTING CONDITIONS SUCH AS ELECTRICAL OUTLETS, JUNCTION BOXES, CLEANOUTS, ETC. MOUNT TOP OF WALL CABINETS AT 4'-7" A.F.F. UNLESS OTHERWISE INDICATED.
- VERIFY MOUNTING HEIGHTS OF ACCESSORIES: EQUIPMENT, DOOR HARDWARE, CASEWORK, ETC., AND PROVIDE SOLID BLOCKING BEHIND ITEMS REQUIRING ANCHORAGE. PROVIDE FIRE TREATED WOOD BLOCKING OR METAL STRAPS BETWEEN FRAMING MEMBERS AS REQUIRED TO SUPPORT WEIGHT AND USE OF ITEMS TO BE SUPPORTED. WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT ITEMS IN ACCORDANCE WITH RECOGNIZED INDUSTRY STANDARDS. COORDINATE LOCATIONS WITH MANUFACTURER OR SUPPLIER AND REFER MOUNTING HEIGHT QUESTIONS TO ARCHITECT FOR INTERPRETATION.
- PROVIDE SEALANT AT PERIMETERS OF METAL FRAMES AT OPENINGS AND AT JOINTS BETWEEN DISSIMILAR MATERIALS SUCH AS GYPSUM BOARD AND MASONRY, MASONRY AND CONCRETE, CASEWORK AND WALLS, ETC. UNLESS OTHERWISE INDICATED.
- REPAIR AND PATCH SPRAYED FIRE-RESISTIVE AND FIRESTOP MATERIALS WHERE DAMAGED DUE TO INSTALLATION OF NEW MATERIALS TO RESTORE SPECIFIED FIRE RATING.
- FIELD VERIFY DIMENSIONS TO EXISTING COLUMN GRID PRIOR TO STARTING CONSTRUCTION.
- THESE NOTES ARE APPLICABLE TO THIS BID PACKAGE ONLY AND MAY NOT BE APPLICABLE TO FUTURE BID PACKAGES. SOME WORK WHICH WAS INCLUDED IN PREVIOUS BID PACKAGES OR WILL BE INCLUDED IN FUTURE BID PACKAGES IS SHOWN ON THESE CONSTRUCTION DOCUMENTS FOR REFERENCE PURPOSES ONLY AND IS IDENTIFIED AS SUCH.
- DO NOT BEGIN WORK THAT MAY REQUIRE COORDINATION, SUCH AS CEILING INSTALLATION, PRIOR TO FINAL SUBMITTAL TO ARCHITECT OF COORDINATION DRAWINGS FOR MEP ITEMS BOTH ABOVE CEILING AND IN CEILING. NOR PRIOR TO RESOLUTION AND APPROVAL OF COORDINATION ISSUES.
- REFER TO CODE SUMMARY FOR FIRE-RATED FLOOR, WALL, CEILING AND ROOF LOCATIONS. INSTALL FIRESTOPPING AT PENETRATIONS IN RATED CONSTRUCTION AND AT TOPS OF RATED WALLS. EXISTING AND NEW PENETRATIONS THAT HAVE BEEN ABANDONED OR THAT ARE REUSED IN EXISTING WALLS THAT HAVE A FIRE RATING INDICATED ON THE LIFE SAFETY PLANS SHALL BE TREATED AS APPROPRIATE FOR THE INDICATED FIRE RATING.
- PROVIDE SPRAY FIRE-PROOFING WHICH PROVIDES 3-HOUR FIRE RESISTANCE FOR ALL NEW AND EXISTING STEEL STRUCTURAL FRAME MEMBERS AND DIAGONAL BRACING, 2-HOUR RATING FOR ALL FLOORS, AND 1.5-HOUR RATING FOR ALL ROOFS. ROOF FRAMING MORE THAN 20'-0" ABOVE ANY FLOOR OR BALCONY LEVEL PERMITTED TO BE NON-RATED, U.O.N.
- REFER TO A-002 FOR PARTITION CONSTRUCTION TYPE.
- WHERE THE REMOVAL OF EXISTING FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, OR DATA DISTRIBUTION SYSTEMS RESULTS IN AN EMPTY PENETRATION OR RECESS IN A FLOOR, WALL OR CEILING TO REMAIN, PATCH THE EMPTY PENETRATION AS INDICATED IN SPECIFICATIONS.

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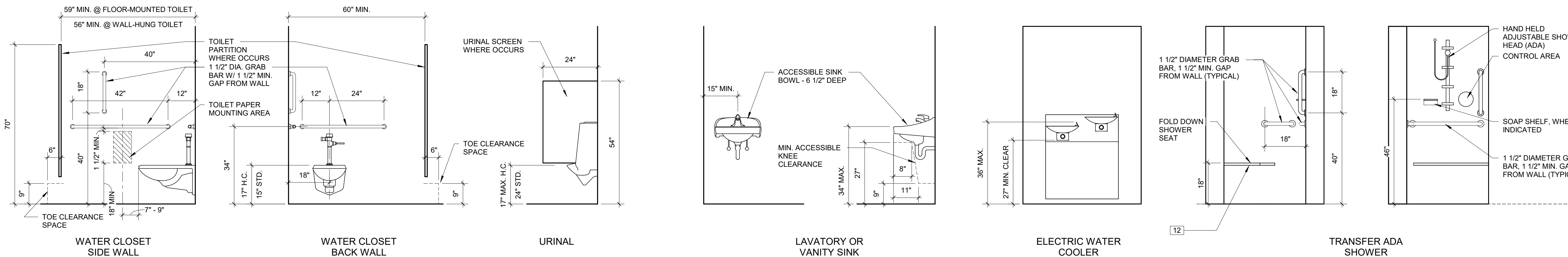
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STANDARD-PLUMBING FIXTURE REQUIREMENTS



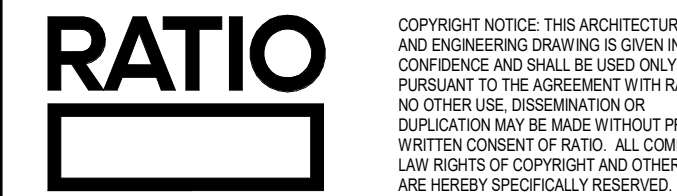
STANDARD TOILET ROOM ACCESSORY MOUNTING HEIGHTS

ITEM:	ACCESSORY SYMBOL TAG:	MOUNTING HEIGHT:	DIMENSION FROM FINISH FLOOR TO:
PAPER TOWEL DISPENSER/WASTE RECEPTACLE	D1A	MAX. 48"	CL OF SLOT
RECESSED PAPER TOWEL DISPENSER	D1B	MAX. 48"	CL OF SLOT
PAPER TOWEL DISPENSER	D1C	MAX. 47 1/2"	TOP OF HANDLE
WARM-AIR HAND DRYER	D2	38 1/2"	CL OF PUSH BUTTON
SANITARY NAPKIN/TAMPON VENDOR	D2A	MAX. 48"	TOP OF CONTROL
SANITARY NAPKIN DISPOSAL	D3	30"	TOP OF UNIT
TOILET PAPER DISPENSER	D4A	24"	BOTTOM OF UNIT
TOILET TISSUE/SEAT COVER DISPENSER	D4C	34"	TOP OF UNIT
TOILET TISSUE/SANITARY NAPKIN DISPOSAL/SEAT COVER DISPENSER	D4E	34"	TOP OF UNIT
GRAB BAR	D5A	34"	CL OF BAR
SOAP DISPENSER	D6	34"	TOP OF COUNTER SURFACE
FOLDING UTILITY SHELF	D7A	42"	CL OF UNIT
JANITOR'S MOP AND BROOM HOLDER	D7B	70"	TOP OF SHELF WHEN IN USE
MIRROR	D8	40"	TOP OF SHELF
COUNTER TOPS	D9A	42" @	BOTTOM EDGE OF REFINISHED SURFACE
CHANGING STATION	D11	33 1/2" MAX.	TOP OF CHANGING SURFACE
SHOWER CURTAIN ROD AND CURTAIN	D13	76"	CL OF ROD

SEAL / DATE 6/01/26



SHEET ISSUE		
1	CONSTRUCTION DOCUMENTS	5/15/26
2	ADDENDUM 01	6/01/26



PROJECT NO. 26029.00

SHEET TITLE
GENERAL NOTES,
SYMBOLS, AND
STANDARD
MOUNTING HEIGHTS

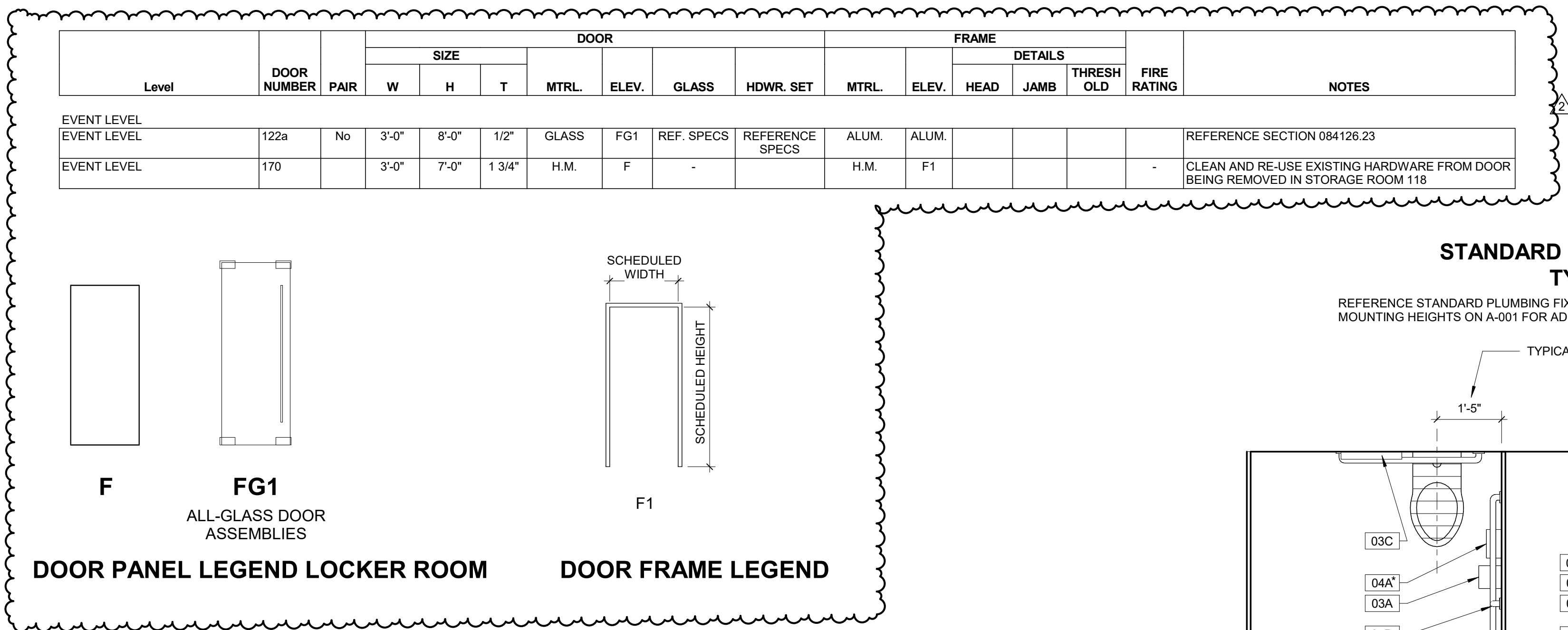
SHEET NUMBER

A-001.1

							FINISH DESCRIPTION				
LOCATION	FINISH TYPE	TAG	MANUFACTURER	STYLE	SIZE	PRODUCT NUMBER	COLOR		INSTALL NOTES	COMMENTS	
WALL	APPLIED FILM	AF-01	SOLYX	MISTY FROST GRADIENT	REFER TO DRAWINGS	SXJ-0596	CUSTOM INDIANA STATE UNIVERSITY CUTOUT WITHIN FILM. COORDINATE WITH ARCHITECT TO OBTAIN LOGO SIDE AND REPEAT.		FILM TO BE APPLIED ON RECOVERY ROOM 122 SIDE OF DOOR.		
WALL	APPLIED FILM	AF-02	SOLYX	DUAL MISTY FROST GRADIENT	REFER TO DRAWINGS	SXJ-0598	CUSTOM INDIANA STATE UNIVERSITY CUTOUT WITHIN FILM. COORDINATE WITH ARCHITECT TO OBTAIN LOGO SIDE AND REPEAT.		FILM TO BE APPLIED ON RECOVERY ROOM 122 SIDE OF DOOR.		
WALL	ACOUSTIC TREATMENT	AT-02	FILZFELT	AKUSTIKA	CUSTOM PANEL SIZES, REFER TO ELEVATIONS.	300	ANTHRAXIT				
WALL	PORCELAIN TILE	CT-02	DAL TIE	ARTEFINO VINTAGE GLOSSY	REFER TO DRAWINGS	AR14	AZURITE				
WALL	GROUT	GT-02	TEC	EPOXY, ACCUCOLOR EFX	REFER TO DRAWINGS		CUSTOM COLOR				
WALL	PAINT	PT-01	SHERWIN WILLIAMS	PER SPECIFICATION	N/A	SW 7005	PURE WHITE				
WALL	PAINT	PT-02	BENJAMIN MOORE	PER SPECIFICATION	N/A	2124-10	WROUGHT IRON				
WALL	PAINT	PT-03	SHERWIN WILLIAMS	PER SPECIFICATION	N/A	SW 9146	FADED FLAXFLOWER				
WALL	TEXTILE-SHOWER CURTAIN	TEX-01	INPRO	MAJL	REFER TO DRAWINGS	166229	PEBBLE				
BASE	WALL BASE-RUBBER	RB-01	ROPPE	STANDARD COVE	4"1	N/A	CHARCOAL				
BASE	WALL BASE-SOLID WOOD	WDB-01	MILLWORKER	REFERENCE DETAIL	4"1	N/A	CUSTOM STAINED TO MATCH WDV-01 WOOD VENEER				
FLOOR	CARPET TILE	CPT-01	SHAW	ACTIVE COLLECTION, TRACK TILE ST204	12"x48"	04327	MEDITATE		INSTALL IN 1/3 RUNNING BOND PATTERN, REFERENCE FINISH PLANS AND FINISH LEGEND FOR EXACT LAYOUT		
FLOOR	CARPET TILE	CPT-02	SHAW	ACTIVE COLLECTION, DASH TILE ST203	12"x48"	04327	MEDITATE		INSTALL IN 1/3 RUNNING BOND PATTERN, REFERENCE FINISH PLANS AND FINISH LEGEND FOR EXACT LAYOUT		
FLOOR	CARPET TILE	CPT-03	SHAW	ACTIVE COLLECTION, TURN TILE ST205	12"x48"	04327	MEDITATE		INSTALL IN 1/3 RUNNING BOND PATTERN, REFERENCE FINISH PLANS AND FINISH LEGEND FOR EXACT LAYOUT		
FLOOR	PORCELAIN TILE	CT-01	DAL TIE	KEYSTONES, MATTE	2"x2" MOSAIC	D169	WATERFALL				
FLOOR	GROUT	GT-01	TEC	EPOXY, ACCUCOLOR EFX	REFER TO DRAWINGS		CUSTOM COLOR				
FLOOR	LUXURY VINYL TILE	RF-01	NORA	NORAMENT ARAGO	39.53" X 19.76" TILE; 3.5MM THICKNESS	5174	HARMONY				
CEILING	ACOUSTICAL CEILING TILE	ACT-01	ARMSTRONG	OPTIMA, 15/16" GRID, SQUARE REGULAR	24"x24"x1"	3354	STANDARD WHITE				
CEILING	ACOUSTICAL CEILING TILE	ACT-02	ARMSTRONG	LYRA, 15/16" GRID, SQUARE REGULAR	48"x48"x1"	8355PB	BLACK				
CEILING	ACOUSTICAL TREATMENT	AT-01	FRASCH	BAFL PLUS	1.5" WIDE X CUSTOM 6'H	10	TRUE BLACK				
MILLWORK/ CASEWORK	PLASTIC LAMINATE	PL-01	FORMICA	COLOR CORE2; MATTE FINISH	REFER TO DRAWINGS	7223	NEW WHITE				
MILLWORK/ CASEWORK	PLASTIC LAMINATE	PL-02	NEVAMAR	HIGH PRESSURE LAMINATE, MATTE FINISH	REFER TO DRAWINGS	S-6054	WROUGHT IRON				
MILLWORK/ CASEWORK	SOLID SURFACE	SSM-01	CORIAN	-	REFER TO DRAWINGS	SPG	SPARKLING GRANITA				
MILLWORK/ CASEWORK	WOOD VENEER	WDV-01	MILLWORKER	RIFT CUT WHITE OAK	REFER TO DRAWINGS	N/A	CUSTOM STAIN TO MATCH ARCHITECT'S SAMPLE				

TOILET ROOM ACCESSORIES LOCKER ROOM				
Type Mark	Type	Description	Manufacturer	Model
01A	01A SURFACE MOUNTED PAPER TOWEL DISPENSER/WASTE RECEPTACLE	TOWEL DISPENSER/WASTE RECEPTACLE, SURFACE MOUNTED	BOBRICK	B-43699
03	03 SANITARY NAPKIN DISPOSAL	CONTURA SERIES: SURFACE MOUNTED SS	BOBRICK	B-270
04A	04A TOILET TISSUE HOLDER	CONTURA SERIES: SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	BOBRICK	B-4288
05A	05A Grab Bar, 42"	GRAB BAR, 42"	BOBRICK	B-5806 x 42
05D	05D Grab Bar, 18"	GRAB BAR, 18"	BOBRICK	B-5806 x 18
06A	06A SOAP DISPENSER	SOAP DISPENSER- DECK MOUNTED	KOHLER	K-35761-18
06A	06A MIRROR, CUSTOM (60" x 48")	MIRROR, ABOVE COUNTER TOP	BOBRICK	
08A	08A MIRROR, CUSTOM (72" x 48")	MIRROR, ABOVE COUNTER TOP	BOBRICK	
08B	08B MIRROR, FULL HEIGHT	MIRROR, FULL HEIGHT	BOBRICK	B-290-2472

EQUIPMENT SCHEDULE - LOCKER ROOM				
Type Mark	Description	Manufacturer	Model	Comments
EQ-01	FULL HEIGHT REFRIGERATOR	THERMADOR	T30IR905SP	CFCI
EQ-02	MICROWAVE	GE	GCST16S1WBB	CFCI



REFERENCE STANDARD PLUMBING FIXTURE REQUIREMENTS AND STANDARD TOILET ROOM ACCESSORY MOUNTING HEIGHTS ON A-001 FOR ADDITIONAL INFORMATION UNLESS OTHERWISE NOTED.

TYPICAL DIMENSIONS UNLESS OTHERWISE NOTED

1'-5"

3'-0"

EQ EQ

EQ EQ

03C

04A*

03A

05D

05A

03C

04A*

03A

05D

05A

32" MIN.

03C

04A*

03A

REFER TO PLANS FOR DOOR SWING ORIENTATION

A

**WHEELCHAIR ACCESSIBLE
TOILET COMPARTMENT**

* 04A AT WOMEN'S & FAMILY ♀ RESTROOMS

B

**AMBULATORY ACCESSIBLE
TOILET COMPARTMENT**

* 04A AT WOMEN'S & FAMILY ♀ RESTROOMS

C

TOILET COMPARTMENT

* 04A AT WOMEN'S & FAMILY ♀ RESTROOMS

* FIRE RATING AND ACOUSTICAL ATTENUATION WHEN REQUIRED BY PARTITION SYMBOL *		
WS		
S2C	2 1/2" METAL STUDS WITH (1) LAYER 5/8" GYPSUM WALL BOARD ONE SIDE *ACOUSTIC ATTEN. COMPONENTS STC-32	3 1/8"
S3A	3.5/8" METAL STUDS WITH (1) LAYER 5/8" TYPE X GYPSUM WALL BOARD EACH SIDE * 1 HR RATED, UL-419 *ACOUSTIC ATTEN. COMPONENTS STC-	4 7/8"
S3C	3 5/8" METAL STUDS WITH (1) LAYER 5/8" GYPSUM WALL BOARD ONE SIDE	4 1/4"
S6A	6" METAL STUDS WITH (1) LAYER 5/8" GYPSUM WALL BOARD EACH SIDE *ACOUSTIC ATTEN. COMPONENTS STC-44	7 1/4"
S6C	6" METAL STUDS WITH (1) LAYER 5/8" GYPSUM WALL BOARD ONE SIDE	6 5/8"

A ALL WALLS ARE TYPE 3/3C UNLESS NOTED OTHERWISE.
B PARTITION SYMBOLS APPEAR ON LARGEST SCALE FLOOR
C PLAN.
D REFER TO FINISH AND CEILING PLANS FOR WALL FINISH,
E BASE, AND CEILING INFORMATION.
F FROM MECHANICAL ROOMS, EXPOSED CHWS ON WALLS WITH
G SURFACABLE PLUMBING FIXTURES AND ON ALL WALL
H SURFACES WITHIN 4' OF A DRINKING FOUNTAIN OR WATER
I COLD WATER FOUNTAIN.
J PROVIDE LATERAL BRACING FOR PARTITIONS WHICH
K EXTEND ABOVE CEILING.
L PROVIDE FIRE RESISTIVE RATED GYPSUM WALL BOARD AT
M ALL 45° AND 90° CORNERS TO MEET ASSEMBLY
N REQUIREMENTS.
O PROVIDE FIRE RESISTIVE JOINT SYSTEMS EQUIV. TO WALL
P INTERSECTIONS AT PARTITIONATIONS AND AT HEAD / FLOOR
Q INTERSECTIONS WITH RATED ASSEMBLIES.
R PROVIDE ACOUSTICAL SEALANT AT WALL, SILL, HEAD,
S PARTITIONATION AND EXTERIORLY SPECIFIED SOUND
T ATTENUATION COMPONENTS AT SOUND RATED WALLS.
U PROVIDE SPECIFIED TILE BACKER BOARD AT ALL WALLS
V AND CEILING JOINTS.
W ISOLATE NON-LOAD-BEARING STUD FRAMING FROM
X BUILDING STRUCTURE TO PREVENT TRANSFER OF
Y VERTICAL LOADS WHILE PROVIDING LATERAL SUPPORT AS
Z SPECIFIED.
A STUD SPACING 16" O.C. MAXIMUM UNLESS NOTED
B OTHERWISE.
C REV. 01/23/2018

PARTITION TYPE SYMBOL

PARTITION DESIGNATION

PARTITION TYPE

FIRE RATING (I.E. 1= 1 HOUR)

ACOUSTICAL ATTENUATION REQ'D

PARTITION HEIGHT CODE

ADDITIONAL PARTITION DESIGNATION, WHERE OCCURS

NEW PARTITIONS

EXISTING PARTITIONS TO REMAIN

PARTITIONS TO BE DEMOLISHED

(D) TERMINATE AT FLOOR / ROOF DECK

(P) TERMINATE 6" ABOVE CEILING

(C) TERMINATE AT CEILING

HEIGHT AS INDICATED IN INCHES OR (V) INDICATES HEIGHT THAT VARIES

THESE GENERAL NOTES APPLY TO SHEET A-002.1 DOOR
SCHEDULE DRAWINGS.

UNDERCUT DOORS AS REQUIRED BY FINAL FLOOR FINISH.

SEALANT BETWEEN HOLLOW METAL FRAME
PERIMETER AND SURROUNDING WALL CONSTRUCTION
UNLESS OTHERWISE INDICATED.

SEALANT BETWEEN INTERIOR AND EXTERIOR
STOREFRONT FRAME PERIMETERS AND SURROUNDING
WALL CONSTRUCTION UNLESS OTHERWISE INDICATED.

SPOT FILL NEW HOLLOW METAL DOORFRAMES IN
MASS WALL CONSTRUCTION.

SPOT GROUT NEW HOLLOW METAL DOORFRAMES IN
GYPSUM BOARD WALL CONSTRUCTION.

Rev. 06/01/2026

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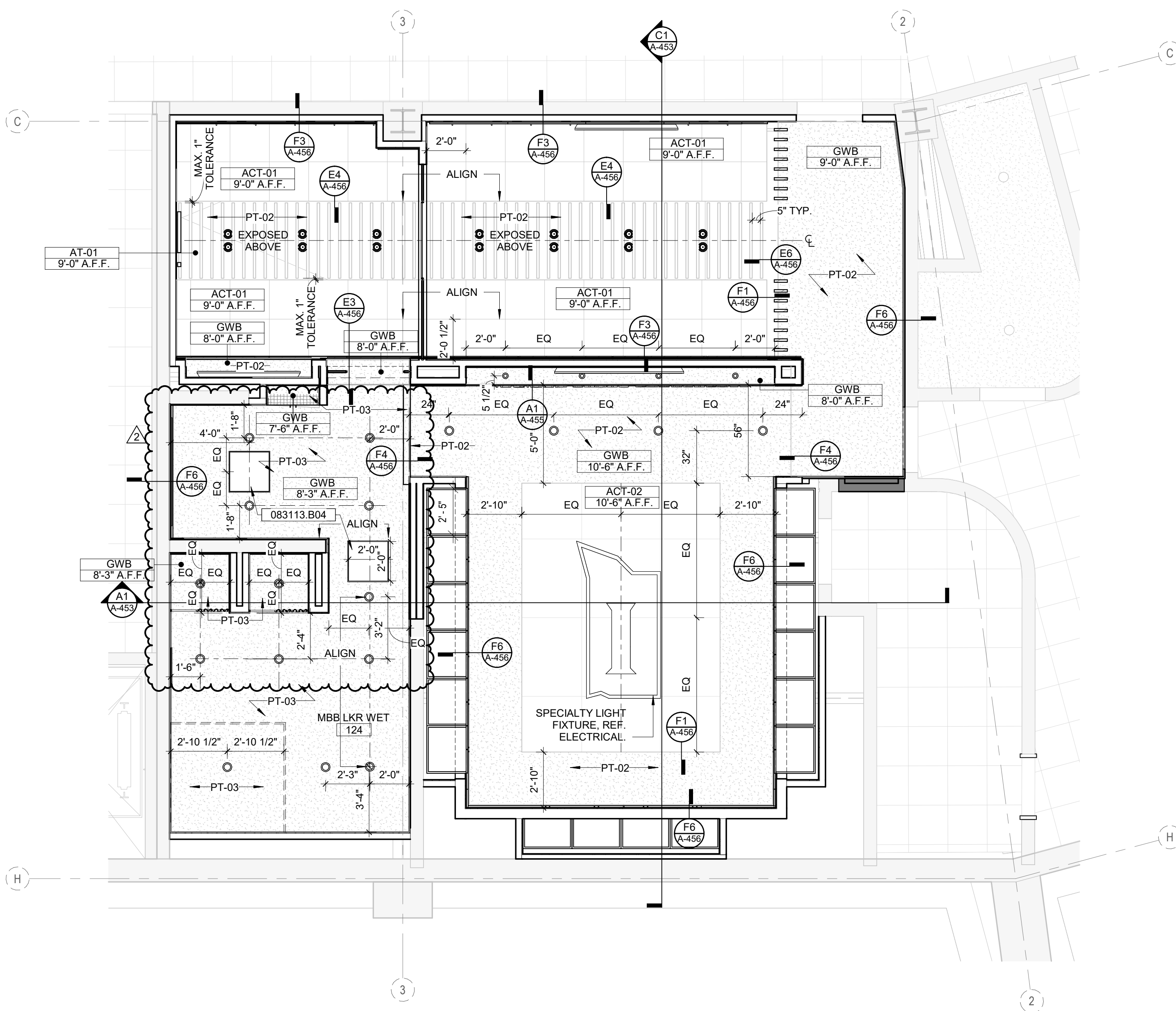
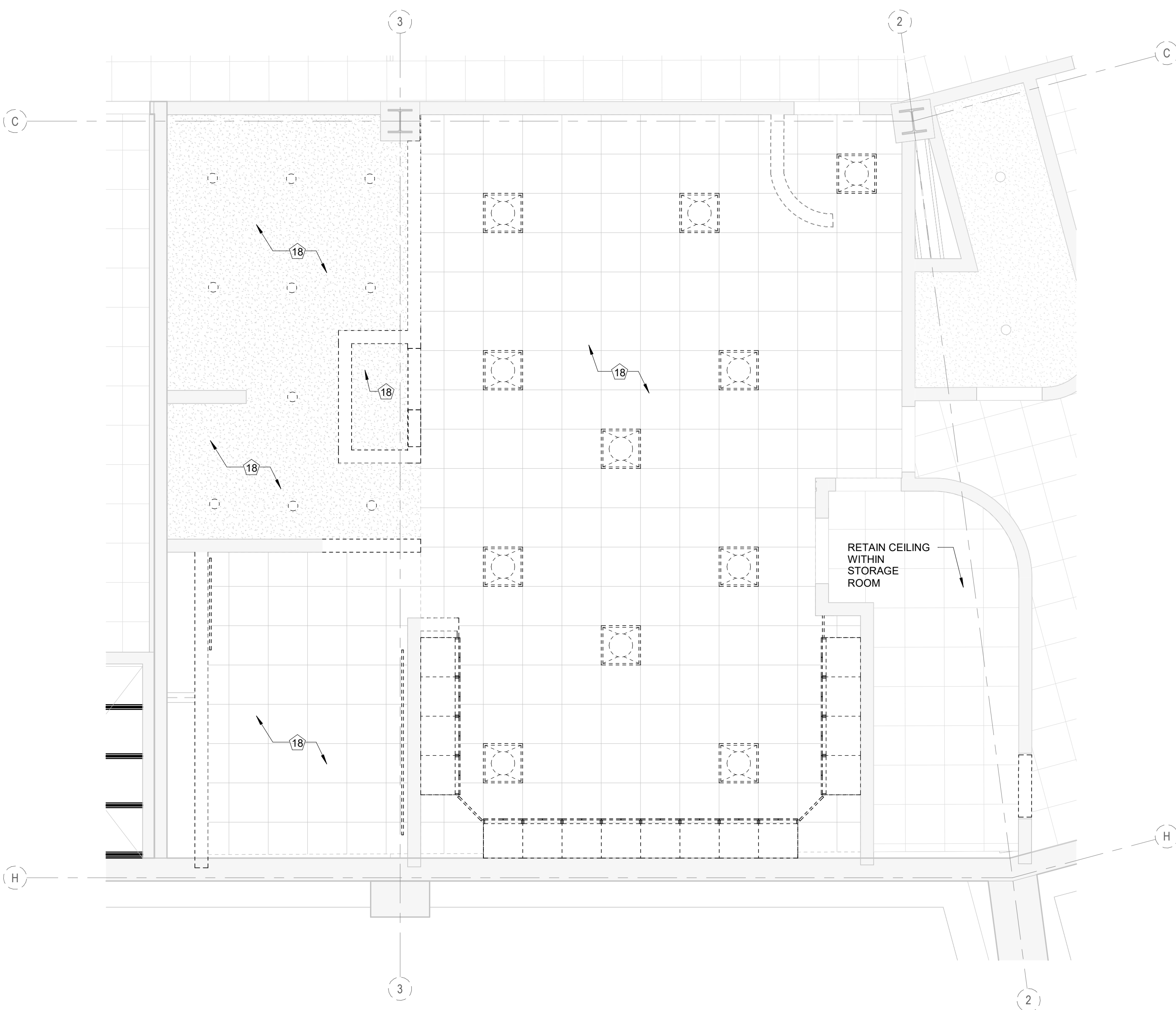
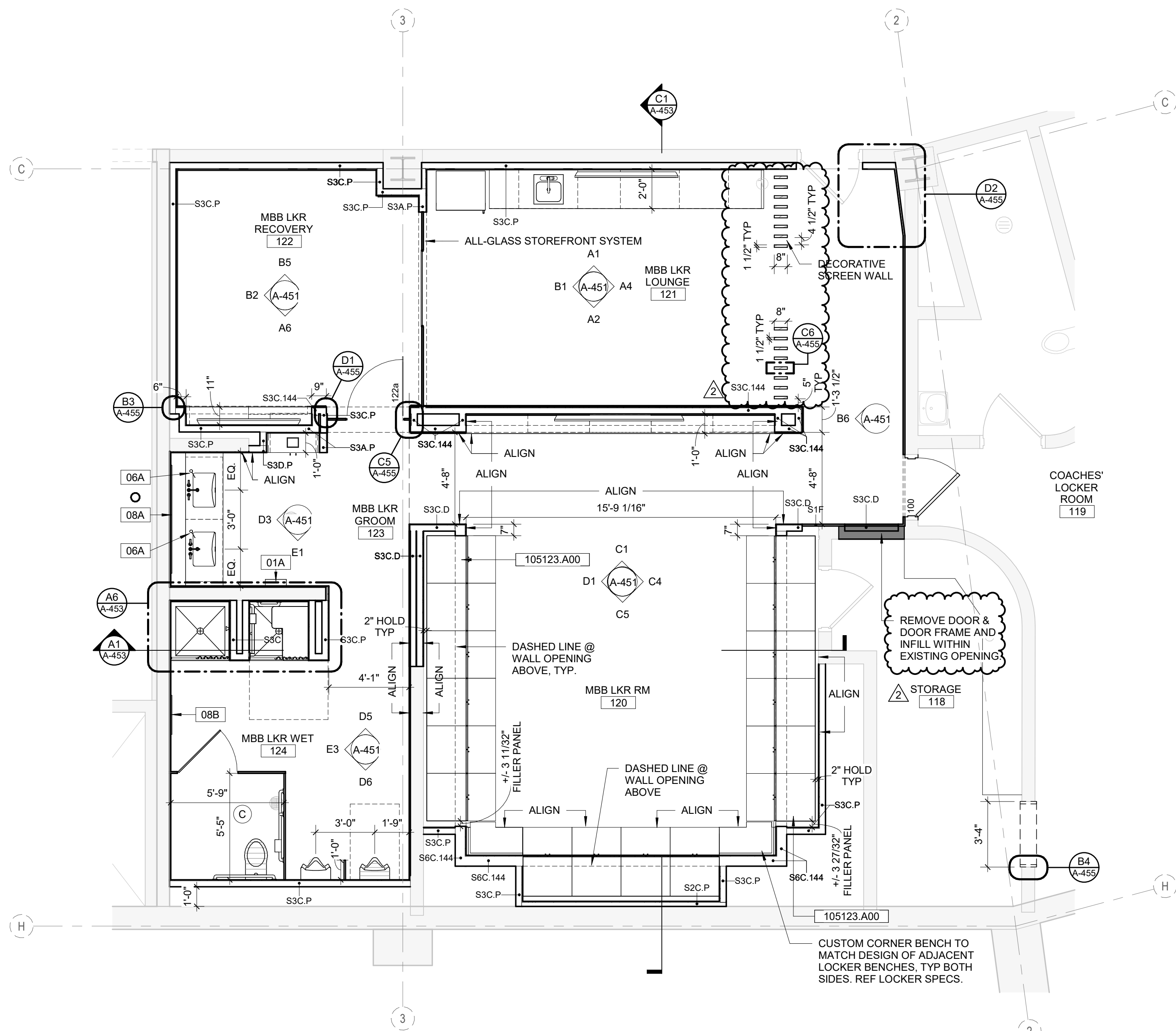
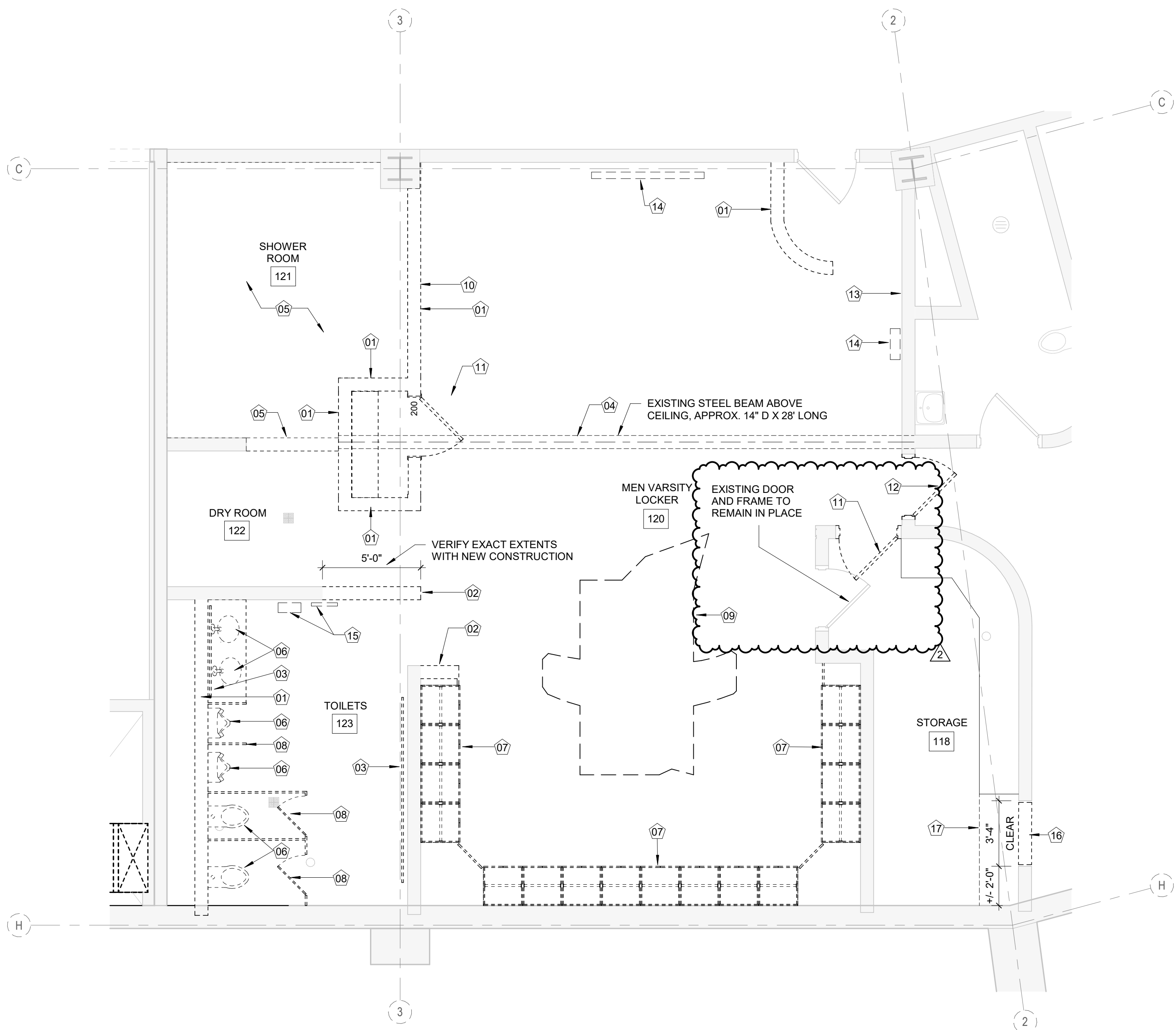
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SHEET TITLE

INTERIOR PARTITION TYPES AND FINISH SCHEDULE

A-002.1



DEMO KEYNOTES - LOCKER ROOM 2

- DEMOLISH WALL IN ITS ENTIRETY
- SAWCUT AND SELECTIVELY DEMOLISH WALL. COORDINATE PRECISE EXTENTS WITH NEW CONSTRUCTION
- REMOVE AND SALVAGE VANITY MIRROR
- UNINSTALL AND REMOVE STEEL BEAM FROM ABOVE CEILING
- CUT AND REMOVE FLOOR SLAB AT EXISTING SHOWER ROOM
- UNINSTALL AND REMOVE PLUMBING FIXTURE (TOILET, URINAL, SINK, ETC.) AND ASSOCIATED COMPONENTS
- REMOVE AND SALVAGE EXISTING ATHLETIC LOCKER AND ADJOINING PANELS AND COMPONENTS
- DEMOLISH TOILET PARTITION, DOOR, AND ASSOCIATED COMPONENTS
- REMOVE CARPET LOGO AND SALVAGE FOR REINSTALLATION
- REMOVE EXISTING ISU SYCAMORES GRAPHIC. SALVAGE FOR REINSTALLATION
- REMOVE DOOR PANEL AND ASSOCIATED HARDWARE. DOOR PANEL TO BE REINSTALLED ON EXISTING FRAME ON STORAGE 119. REFERENCE NEW CONSTRUCTION DRAWINGS.
- REMOVE DOOR PANEL AND ASSOCIATED HARDWARE. DOOR FRAME TO REMAIN AND RECEIVE SALVAGED DOOR PANEL FROM WBB LOCKER ROOM. REFERENCE ADD'L DEMO DRAWINGS.
- REMOVE WHITEBOARD AND RETURN TO OWNER
- REMOVE ELECTRONIC EQUIPMENT (GAME CLOCK, TV MONITOR, ETC.) AND SALVAGE FOR REINSTALLATION
- REMOVE ALL TOILET ACCESSORIES AND RETURN TO OWNER
- CUT NEW OPENING WITHIN EXISTING CMU WALL. OPENING SIZE 3'-4" W x 7'-4" H. COORDINATE PRECISE LOCATION OF OPENING ON-SITE WITH OWNER AND ARCHITECT. COORDINATE WITH EXISTING UTILITIES. PROVIDE STRUCTURAL REINFORCING AT HEAD OF NEW OPENING.
- MODIFY AND EXISTING SHELVING TO ACCOMMODATE NEW WALL OPENING
- DEMOLISH CEILING IN ITS ENTIRETY. SALVAGE TILES THAT ARE IN GOOD CONDITION AND RETURN TO OWNER. SALVAGE ALL EXISTING LIGHT FIXTURES AND CEILING DEVICES FOR REINSTALLATION. PATCH AND REPAIR WALLS AS NECESSARY

GENERAL CEILING PLAN NOTES

- THESE GENERAL NOTES APPLY TO SERIES A-400. REFLECTED CEILING DRAWINGS.
- CENTER CEILING GRIDS WITHIN ROOMS EACH DIRECTION UNLESS NOTED OTHERWISE
- LOCATE CEILING GRIDS WITHIN ROOMS SUCH THAT BORDERS CONTAIN NOT LESS THAN 1/2 TILE WIDTH, UNLESS OTHERWISE INDICATED.
- CENTER PENETRATIONS IN ACOUSTICAL CEILING SYSTEMS WITHIN INDIVIDUAL CEILING PANELS, SUCH AS SPRINKLER HEADS, DIFFUSERS, LIGHT FIXTURES, ETC., UNLESS OTHERWISE INDICATED.
- PAINT EXPOSED GYPSUM BOARD AND PLASTER CEILING SURFACES UNLESS OTHERWISE INDICATED. ALL GYPSUM BOARD CEILINGS TO BE PAINTED PT-01 UNLESS NOTED OTHERWISE.
- PROVIDE CONTROL JOINTS (C.J.) IN GYPSUM BOARD CEILING CONSTRUCTION AS INDICATED. WHERE NOT SHOWN, PROVIDE MAXIMUM SPACING BETWEEN JOINTS OF 30'-0". VERIFY FINAL CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK WHETHER OR NOT INDICATED ON THE DRAWINGS.
- CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS WHETHER OR NOT INDICATED ON THE DRAWINGS. VERIFY FINAL LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK.
- REFER TO GENERAL INFORMATION DRAWINGS FOR MATERIAL SYMBOL KEY.
- REFER TO FINISH PLANS FOR ADDITIONAL CEILING FINISH INFORMATION.
- REFER TO ELECTRICAL DRAWINGS FOR CEILING-MOUNTED LIGHT FIXTURE TYPES AND QUANTITIES.
- REFER TO MECHANICAL DRAWINGS FOR CEILING-MOUNTED DIFFUSERS, GRILLE TYPES AND QUANTITIES.
- REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER HEAD TYPES AND QUANTITIES.
- CONTRACTOR SHALL PREPARE AND SUBMIT FOR REVIEW PRIOR TO WORK COORDINATION DRAWINGS FOR ALL NEW CEILINGS SHOWING CEILING TYPE WITH LAYOUT GRIDS AND JOINTS AND ALL CEILING MOUNTED ELEMENTS INCLUDING, BUT NOT LIMITED TO LIGHTS, DIFFUSERS, SPRINKLER HEADS, FIRE ALARM DEVICES, OCCUPANCY SENSORS, EXIT SIGNS, AND ACCESS PANELS. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COSTS ASSOCIATED WITH RELOCATING CEILING MOUNTED ELEMENTS INSTALLED WITHOUT ACCEPTED COORDINATION DRAWINGS THAT ARE DEEMED INAPPROPRIATELY LOCATED BY ARCHITECT OR OWNER.

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SHEET ISSUE

NO.	DESCRIPTION	DATE
1	CONSTRUCTION DOCUMENTS	5/15/26
2	ADDENDUM 01	6/01/26



PROJECT NO. 26029.00

SHEET TITLE
**ENLARGED PLAN
AND RCP - MBB
LOCKER ROOM**

SHEET NUMBER

A-401

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Interior Upgrades
Locker Room
Renovations

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DEMO KEYNOTES - LOCKER ROOM 2

- 01 DEMOLISH WALL IN ITS ENTIRETY
- 02 SAWCUT AND SELECTIVELY DEMOLISH WALL. COORDINATE PRECISE EXTENTS WITH NEW CONSTRUCTION
- 03 REMOVE AND SALVAGE VANITY MIRROR
- 04 UNINSTALL AND REMOVE STEEL BEAM FROM ABOVE CEILING
- 05 CUT AND REMOVE FLOOR SLAB AT EXISTING SHOWER ROOM
- 06 UNINSTALL AND REMOVE PLUMBING FIXTURE (TOILET, URINAL, SINK, ETC.) AND ASSOCIATED COMPONENTS
- 07 REMOVE AND SALVAGE EXISTING ATHLETIC LOCKER AND ADJOINING PANELS AND COMPONENTS
- 08 DEMOLISH TOILET PARTITION, DOOR, AND ASSOCIATED COMPONENTS
- 09 REMOVE CARPET LOGO AND SALVAGE FOR REINSTALLATION
- 10 REMOVE EXISTING ISU SYCAMORES GRAPHIC. SALVAGE FOR REINSTALLATION
- 11 REMOVE DOOR PANEL AND ASSOCIATED HARDWARE. DOOR PANEL TO BE REINSTALLED ON EXISTING FRAME ON STORAGE 119. REFERENCE NEW CONSTRUCTION DRAWINGS
- 12 REMOVE DOOR PANEL AND ASSOCIATED HARDWARE. DOOR FRAME TO REMAIN AND RECEIVE SALVAGED DOOR PANEL FROM WBB LOCKER ROOM. REFERENCE ADDL DEMO DRAWINGS
- 13 REMOVE WHITEBOARD AND RETURN TO OWNER
- 14 REMOVE ELECTRONIC EQUIPMENT (GAME CLOCK, TV MONITOR, ETC.) AND SALVAGE FOR REINSTALLATION
- 15 REMOVE ALL TOILET ACCESSORIES AND RETURN TO OWNER
- 16 CUT NEW OPENING WITHIN EXISTING CMU WALL. OPENING SIZE 3'-4" W x 7'-4" H. COORDINATE PRECISE LOCATION OF OPENING ON-SITE WITH OWNER AND ARCHITECT. COORDINATE WITH EXISTING UTILITIES. PROVIDE STRUCTURAL REINFORCING AT HEAD OF NEW OPENING.
- 17 MODIFY AND EXISTING SHELVING TO ACCOMMODATE NEW WALL OPENING
- 18 DEMO CEILING IN ITS ENTIRETY. SALVAGE TILES THAT ARE IN GOOD CONDITION AND RETURN TO OWNER. SALVAGE ALL EXISTING LIGHT FIXTURES AND CEILING DEVICES FOR REINSTALLATION. PATCH AND REPAIR WALLS AS NECESSARY

GENERAL CEILING PLAN NOTES

- THESE GENERAL NOTES APPLY TO SERIES A-400 REFLECTED CEILING DRAWINGS
- CENTER CEILING GRIDS WITHIN ROOMS EACH DIRECTION UNLESS NOTED OTHERWISE
- LOCATE CEILING GRIDS WITHIN ROOMS SUCH THAT BORDERS CONTAIN NOT LESS THAN 1/2 TILE WIDTH, UNLESS OTHERWISE INDICATED
- CENTER PENETRATIONS IN ACOUSTICAL CEILING SYSTEMS WITHIN INDIVIDUAL CEILING PANELS, SUCH AS SPRINKLER HEADS, DIFFUSERS, LIGHT FIXTURES, ETC., UNLESS OTHERWISE INDICATED
- PAINT EXPOSED GYPSUM BOARD AND PLASTER CEILING SURFACES UNLESS OTHERWISE INDICATED. ALL GYPSUM BOARD CEILINGS TO BE PAINTED PT-01 UNLESS NOTED OTHERWISE
- PROVIDE CONTROL JOINTS (C.J.) IN GYPSUM BOARD CEILING CONSTRUCTION AS INDICATED. WHERE NOT SHOWN, PROVIDE MAXIMUM SPACING BETWEEN JOINTS OF 30'-0". VERIFY FINAL CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK WHETHER OR NOT INDICATED ON THE DRAWINGS
- CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS WHETHER OR NOT INDICATED ON THE DRAWINGS. VERIFY FINAL LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK
- REFER TO GENERAL INFORMATION DRAWINGS FOR MATERIAL SYMBOL KEY
- REFER TO FINISH PLANS FOR ADDITIONAL CEILING FINISH INFORMATION
- REFER TO ELECTRICAL DRAWINGS FOR CEILING-MOUNTED LIGHT FIXTURE TYPES AND QUANTITIES
- REFER TO MECHANICAL DRAWINGS FOR CEILING-MOUNTED DIFFUSERS, GRILLE TYPES AND QUANTITIES
- REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER HEAD TYPES AND QUANTITIES
- CONTRACTOR SHALL PREPARE AND SUBMIT FOR REVIEW PRIOR TO WORK COORDINATION DRAWINGS FOR ALL NEW CEILINGS SHOWING CEILING TYPE WITH LAYOUT GRIDS AND JOINTS AND ALL CEILING MOUNTED ELEMENTS INCLUDING, BUT NOT LIMITED TO LIGHTS, DIFFUSERS, SPRINKLER HEADS, FIRE ALARM DEVICES, OCCUPANCY SENSORS, EXIT SIGNS, AND ACCESS PANELS. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COSTS ASSOCIATED WITH RELOCATING CEILING MOUNTED ELEMENTS INSTALLED WITHOUT ACCEPTED COORDINATION DRAWINGS THAT ARE DEEMED INAPPROPRIATELY LOCATED BY ARCHITECT OR OWNER.

DEMOLITION - ENLARGED FLOOR PLAN - WBB LOCKER RM

1/4" = 1'-0"

NEW CONST - ENLARGED FLOOR PLAN - WBB LOCKER RM

1/4" = 1'-0"

NEW CONST. - ENLARGED RCP - WBB LOCKER RM

1/4" = 1'-0"

NEW CONST. - ENLARGED RCP - WBB LOCKER RM

1/4" = 1'-0"

SEAL | DATE 6/01/26



SHEET ISSUE		
1	CONSTRUCTION DOCUMENTS	5/15/26
2	ADDENDUM 01	6/01/26

RATIO

PROJECT NO. 26029.00

SHEET TITLE
ENLARGED PLAN
AND RCP - WBB
LOCKER ROOM

SHEET NUMBER

A-402

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KEYNOTE LEGEND	
09-C5	CENTER TILE PATTERN ON WALL WITH FULL TILE AT CENTERLINE
101419.A00	DIMENSIONAL LETTER SIGNAGE
105123.A00	PLASTIC-LAMINATE-CLAD LOCKERS

Hulman Center Interior Upgrades Locker Room Renovations

200 N 8th Street
Terre Haute, IN 47809

Owner

Indiana State University
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812-237-6311

Architect

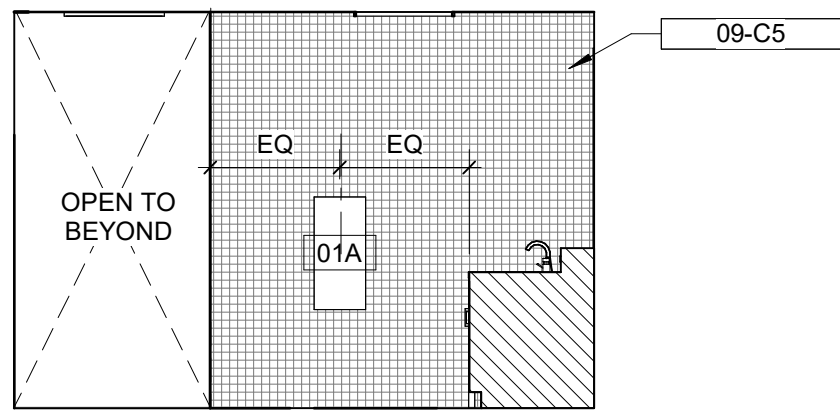
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101 South Pennsylvania Street
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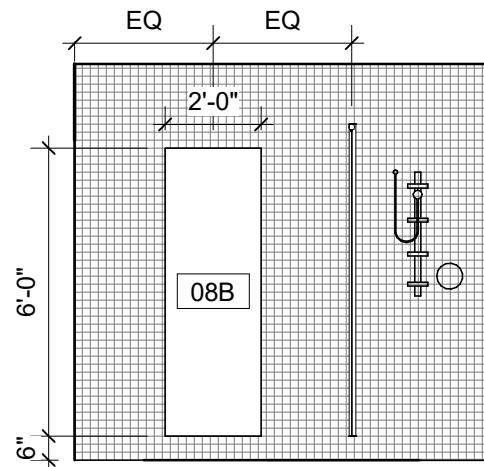
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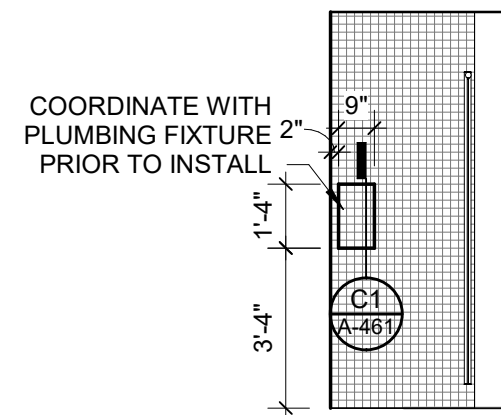
RE Dimond & Associates
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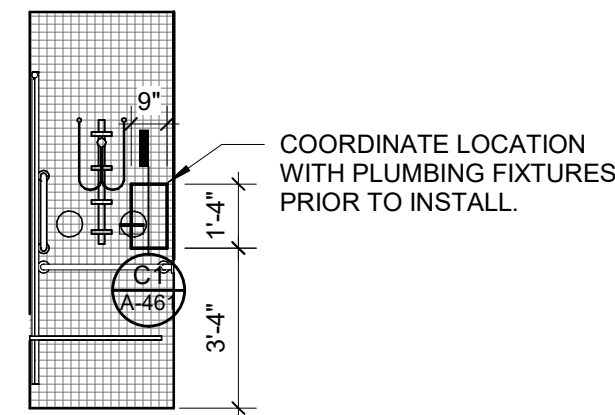
E1
A-451
MBB INT ELEV - GROOMING SOUTH
1/4" = 1'-0"



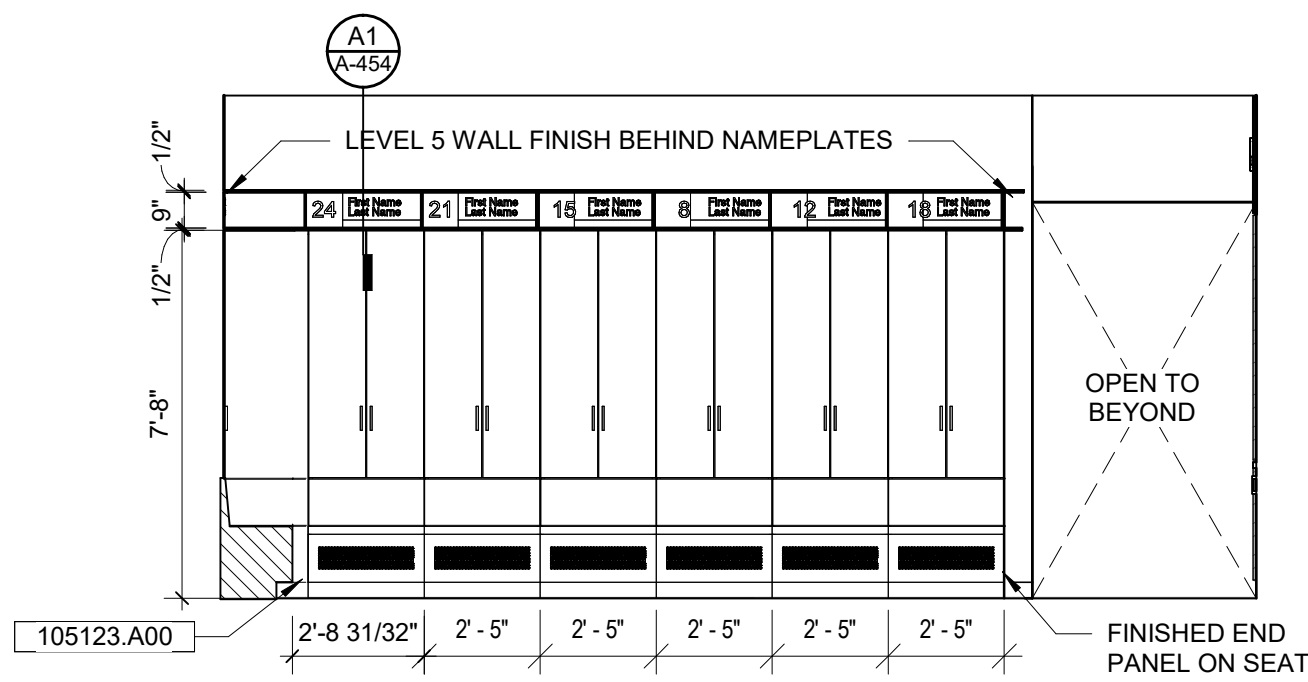
E3
A-451
MBB INT ELEV - WET AREA WEST
1/4" = 1'-0"



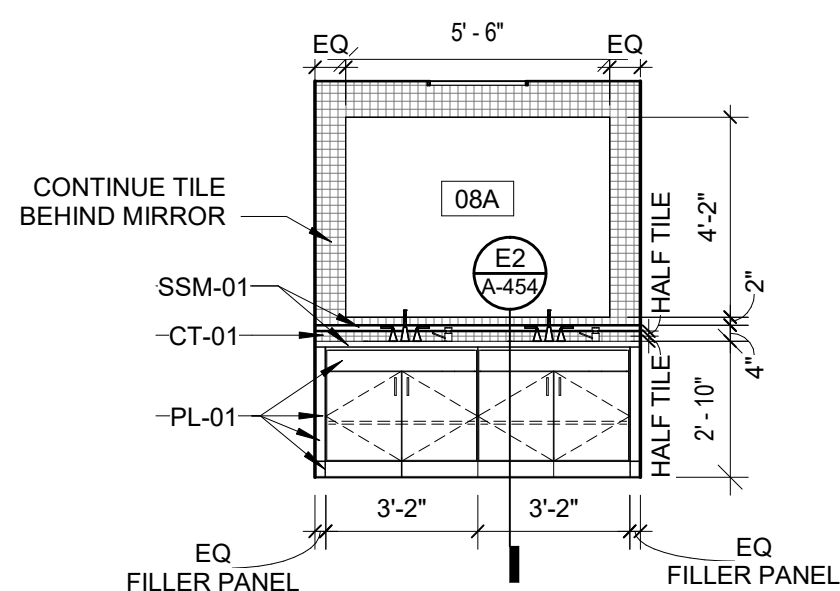
E5
A-451
MB INT ELEV - SHOWER EEST NICHE
1/4" = 1'-0"



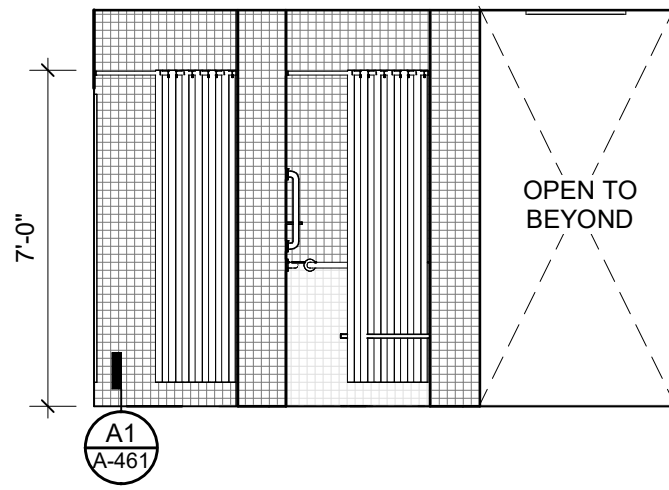
E6
A-451
MBB INT ELEV - SHOWER WEST NICHE
1/4" = 1'-0"



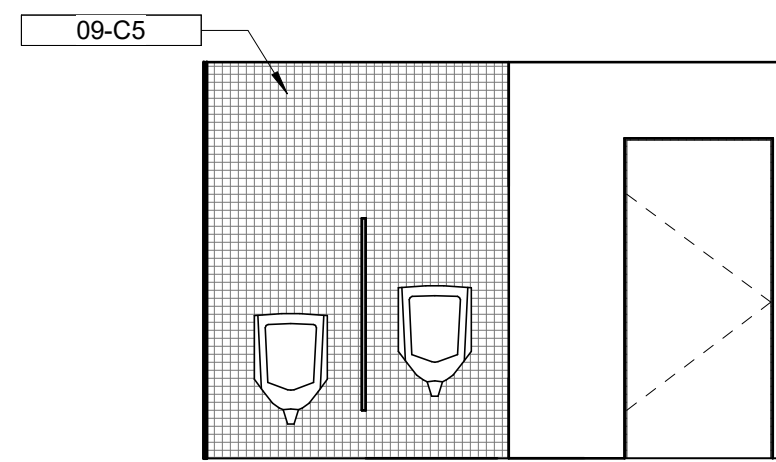
D1
A-451
MBB INT ELEV - LOCKER ROOM WEST
1/4" = 1'-0"



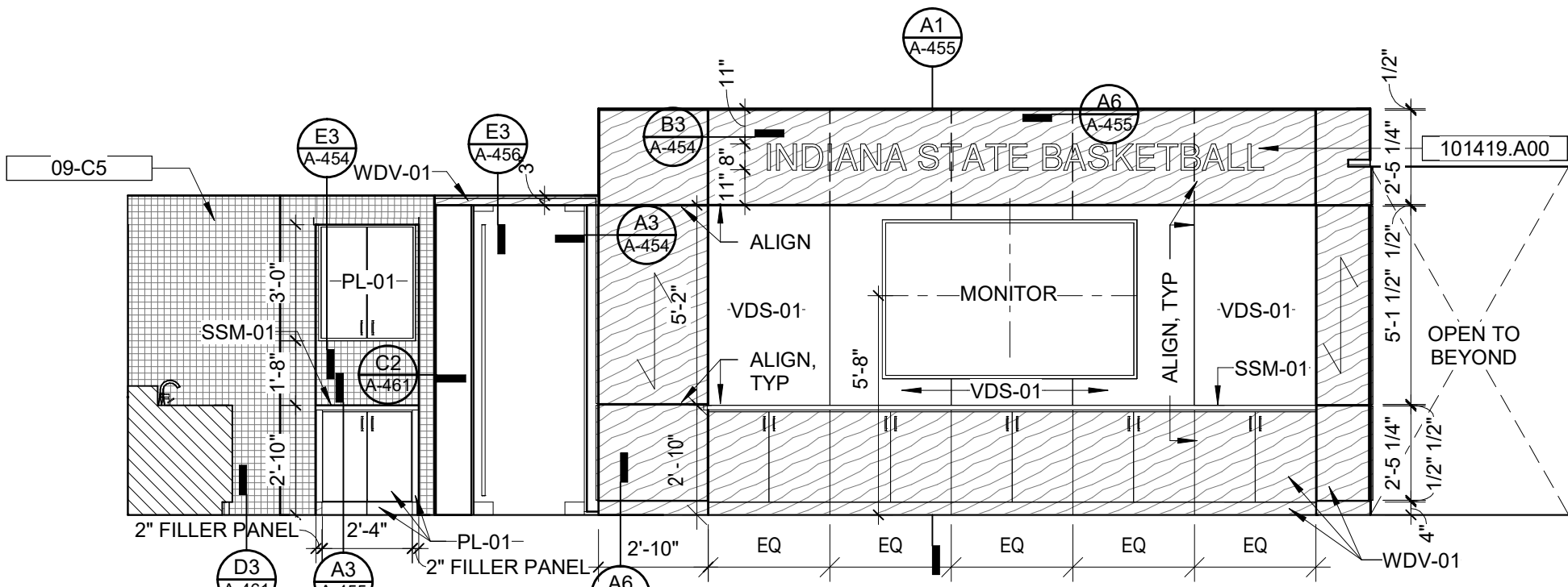
D3
A-451
MBB INT ELEV - RESTROOM WEST
1/4" = 1'-0"



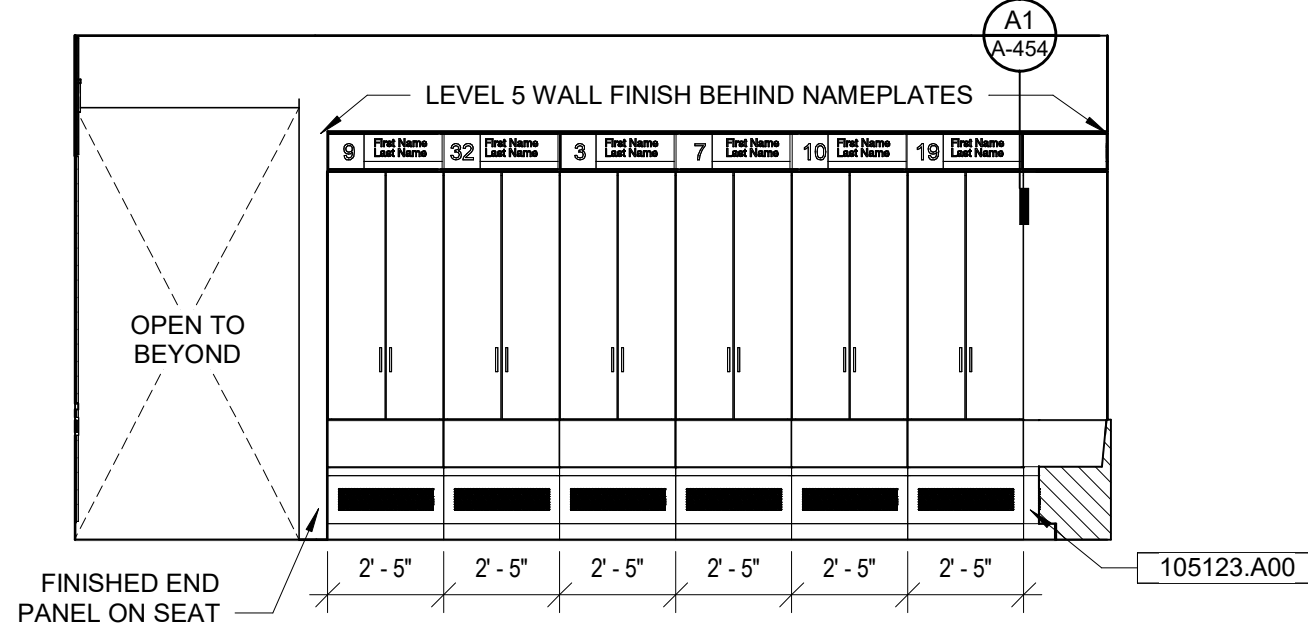
D5
A-451
MBB INT ELEV - RESTROOM NORTH
1/4" = 1'-0"



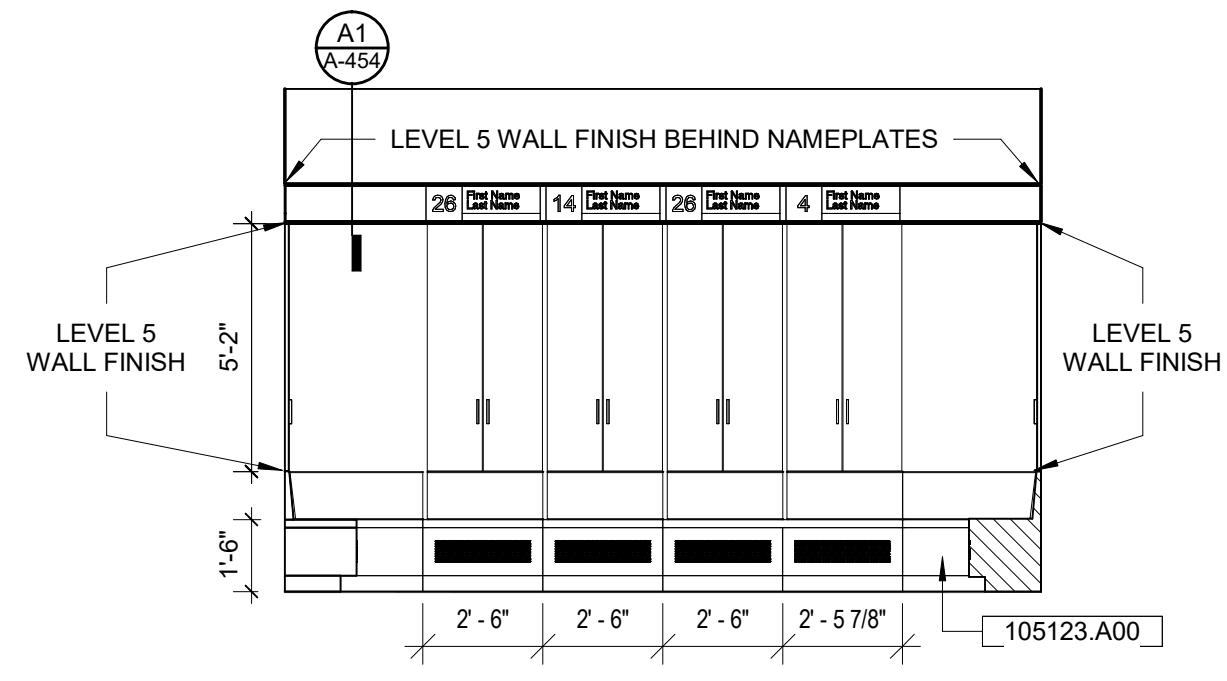
D6
A-451
MBB INT ELEV - RESTROOM SOUTH
1/4" = 1'-0"



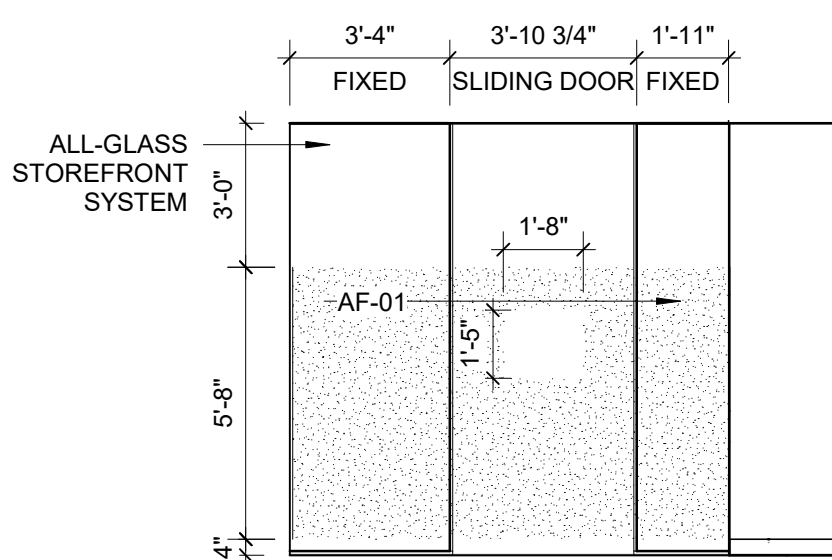
C1
A-451
MBB INT ELEV - LKR RM NORTH
1/4" = 1'-0"



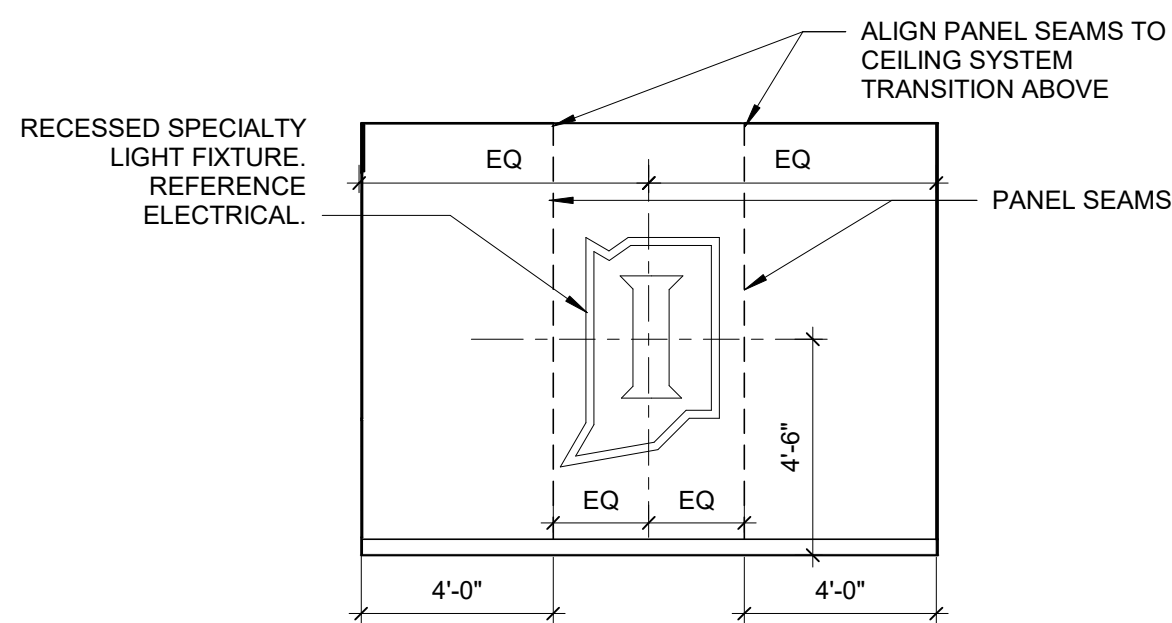
C4
A-451
MBB INT ELEV - LOCKER ROOM EAST
1/4" = 1'-0"



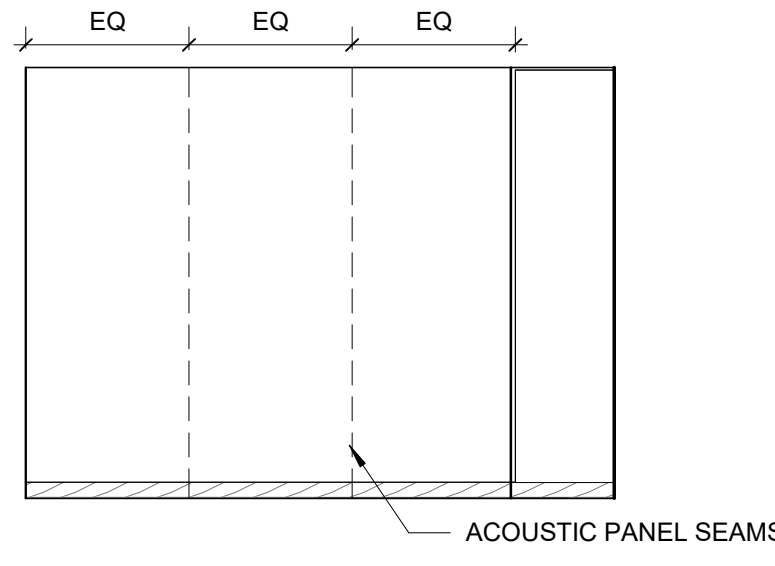
C5
A-451
MBB INT ELEV - LOCKER ROOM SOUTH
1/4" = 1'-0"



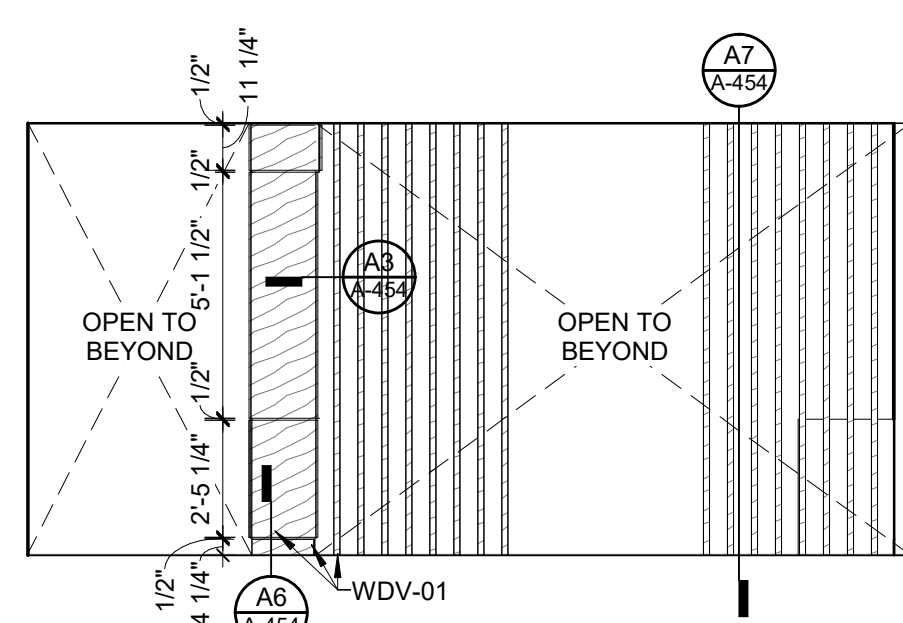
B1
A-451
MBB INT ELEV - LOUNGE WEST
1/4" = 1'-0"



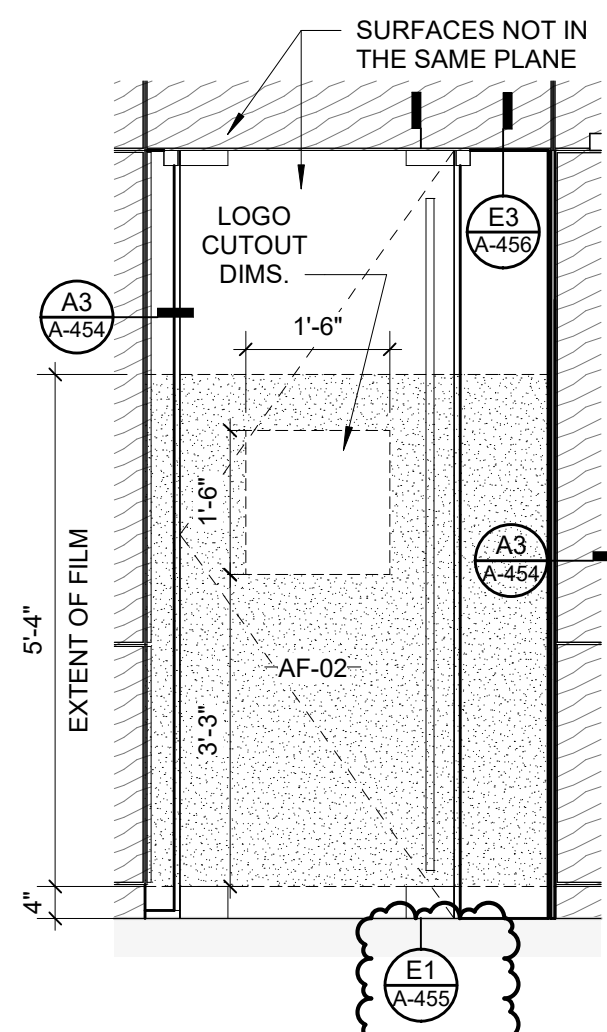
B2
A-451
MBB INT ELEV - RECOVERY WEST
1/4" = 1'-0"



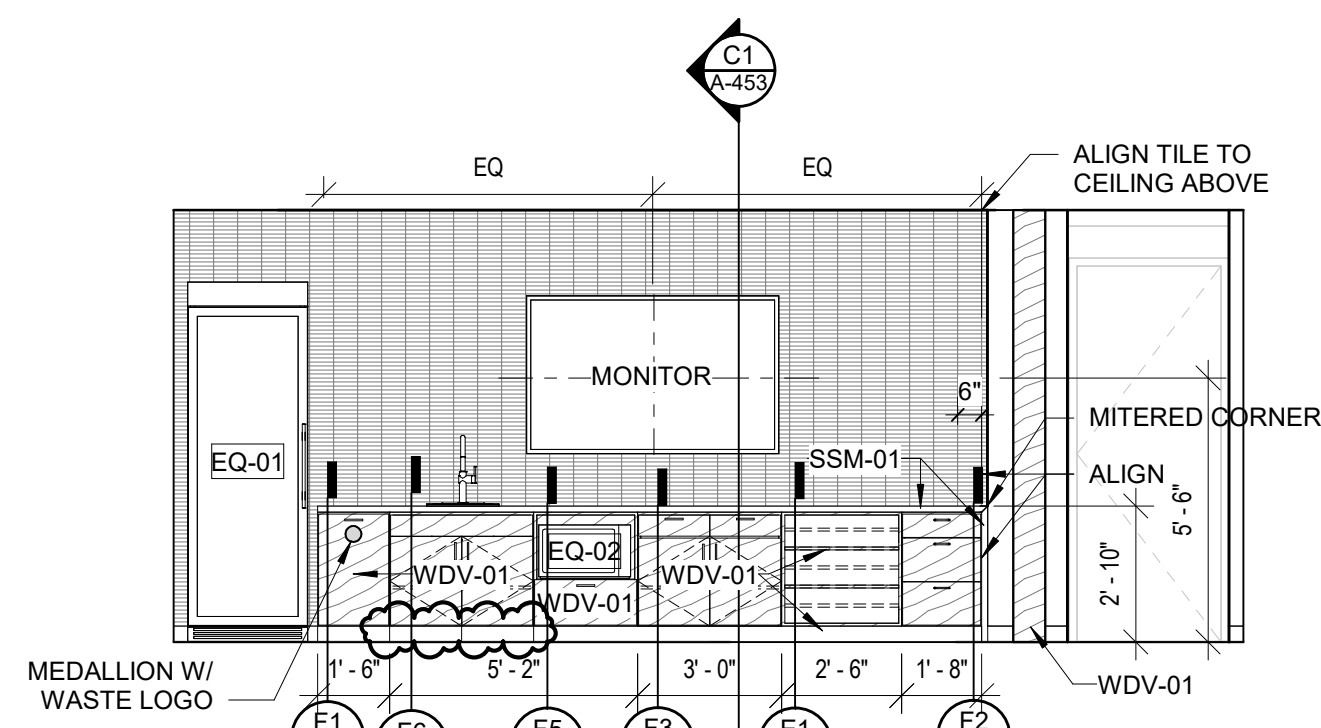
B5
A-451
MBB INT ELEV - RECOVERY NORTH
1/4" = 1'-0"



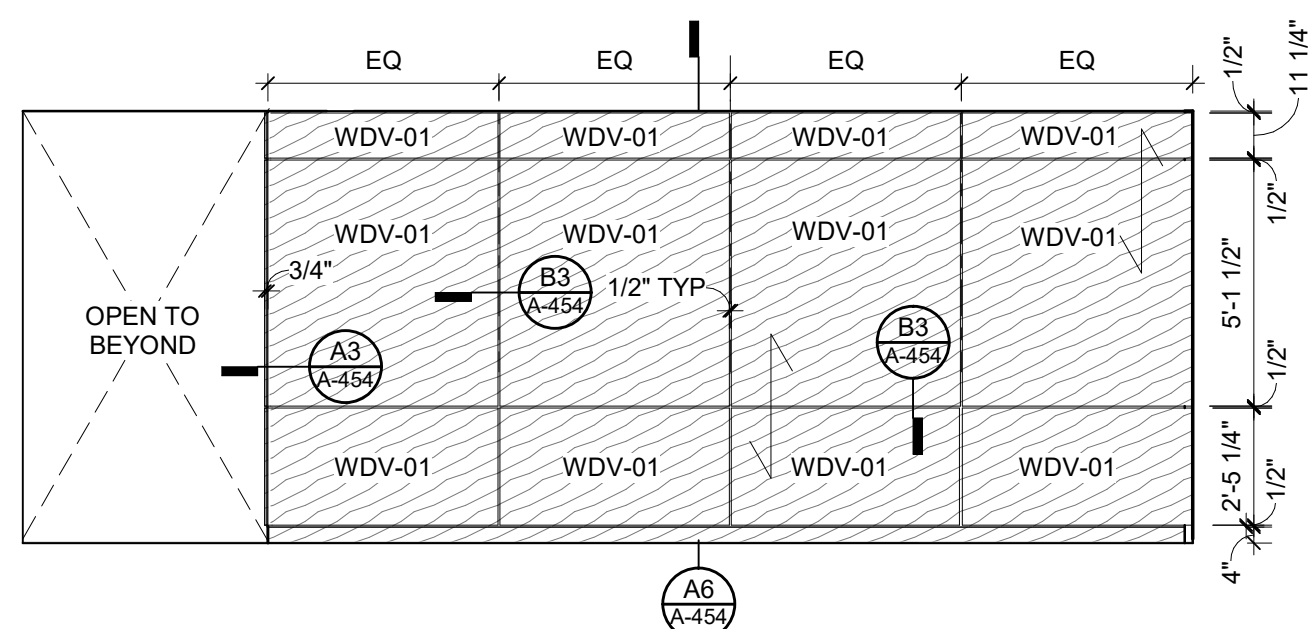
B6
A-451
MBB INT ELEV - ENTRY WEST
1/4" = 1'-0"



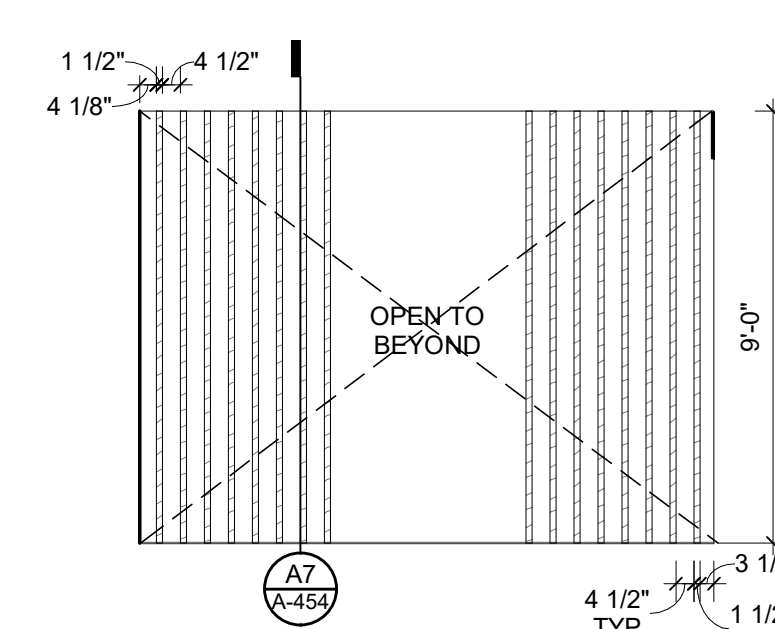
B7
A-451
MBB INT ELEV - RECOVERY / RR DOOR
1/2" = 1'-0"



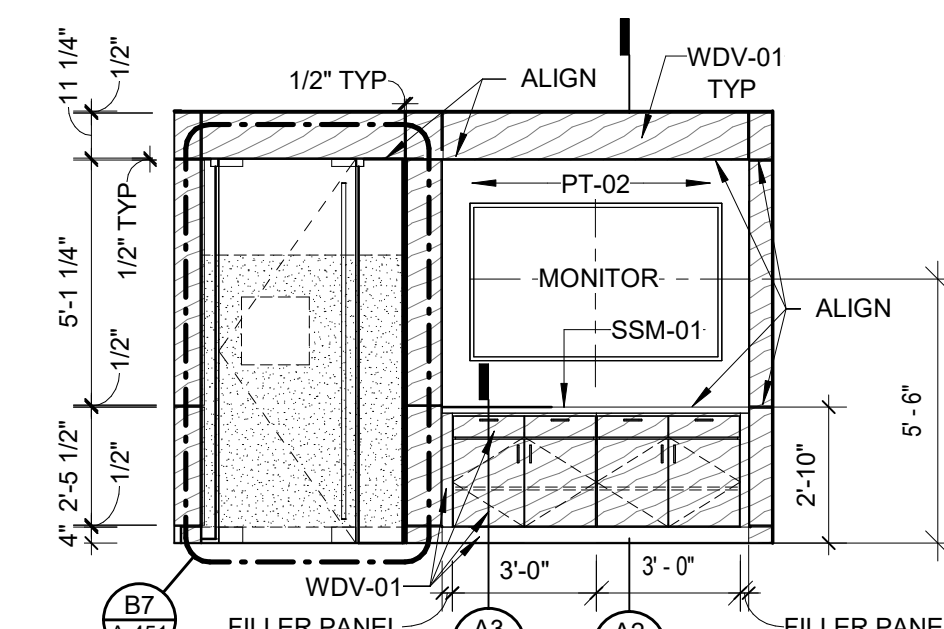
A1
A-451
MBB INT ELEV - LOUNGE NORTH
1/4" = 1'-0"



A2
A-451
MBB INT ELEV - LOUNGE SOUTH
1/4" = 1'-0"



A4
A-451
MBB INT ELEV - LOUNGE EAST
1/4" = 1'-0"



A6
A-451
MBB INT ELEV - RECOVERY SOUTH
1/4" = 1'-0"

SEAL | DATE 6/01/26



SHEET ISSUE	
1 CONSTRUCTION DOCUMENTS	5/15/26
2 ADDENDUM 01	6/01/26

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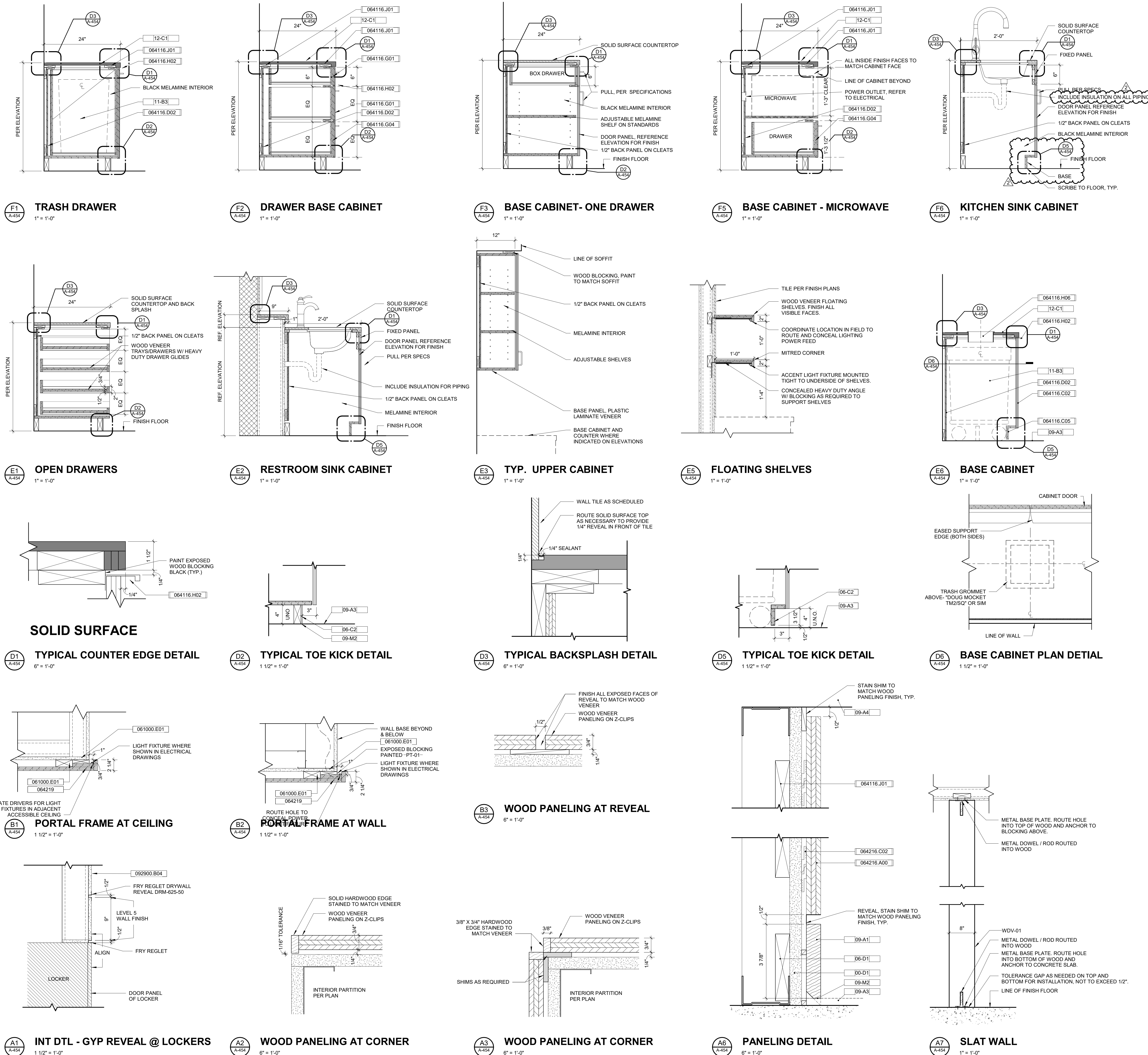
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PROJECT NO. 26029.00

SHEET TITLE
INTERIOR
ELEVATIONS - MBB
LOCKER ROOM

SHEET NUMBER

A-451



KEYNOTE LEGEND

00-D1	REFER TO FLOOR PLAN FOR PARTITION TYPE
06-C2	CASEWORK BASE, REFER TO ELEVATIONS
06-D1	PROVIDE WOOD BLOCKING
09-A1	WALL BASE, REFER TO FINISH PLAN FOR TYPE
09-A3	FLOOR FINISH, REFER TO FINISH PLAN FOR TYPE
09-A4	CEILING, REFER TO REFLECTED CEILING PLAN FOR TYPE
09-M2	SCRIBE BASE TO FLOOR
11-B3	OWNER PROVIDED EQUIPMENT - TRASH CAN
12-C1	COUNTERTOP AND SPLASH, REFER TO ELEVATION FOR TYPE AND PRESENCE OF SPLASH
061000.E01	WOOD BLOCKING
064116.C02	DOOR PANEL, 3/4", REFER TO ELEVATION FOR FINISH
064116.C05	DOOR PANEL, 3/4", WITH ATTACHED TOE KICK, MATCH FACE MATERIAL OF CABINET, REFER TO ELEVATION FOR FINISH
064116.D02	BACK PANEL, 1/2" ON CLEATS, REFER TO SPECIFICATIONS FOR FINISH
064116.G01	DRAWER
064116.G04	FILE DRAWER WITH HANGING BAR HARDWARE
064116.H06	HARDWARE, PULL
064116.H08	HARDWARE, TRASH GROMMET, REFER TO SPECIFICATIONS FOR SIZE
064116.J01	BLOCKING
064216.A00	FLUSH WOOD PANELING
064216.C02	FLUSH WOOD PANELING, CONCEALED PANEL-HANGER CLIPS
064219	PLASTIC LAMINATE-FACED WOOD PANELING
092900.B04	GYPSUM BOARD, 5/8"

Hulman Center Interior Upgrades Locker Room Renovations

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SEAL | DATE 6/01/26



SHEET ISSUE

1	CONSTRUCTION DOCUMENTS	5/15/26
2	ADDENDUM 01	6/01/26

RATIO

PROJECT NO. 26029.00

SHEET TITLE
INTERIOR DETAILS

SHEET NUMBER

A-454

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Hulman Center
Interior Upgrades
**Locker Room
Renovations**

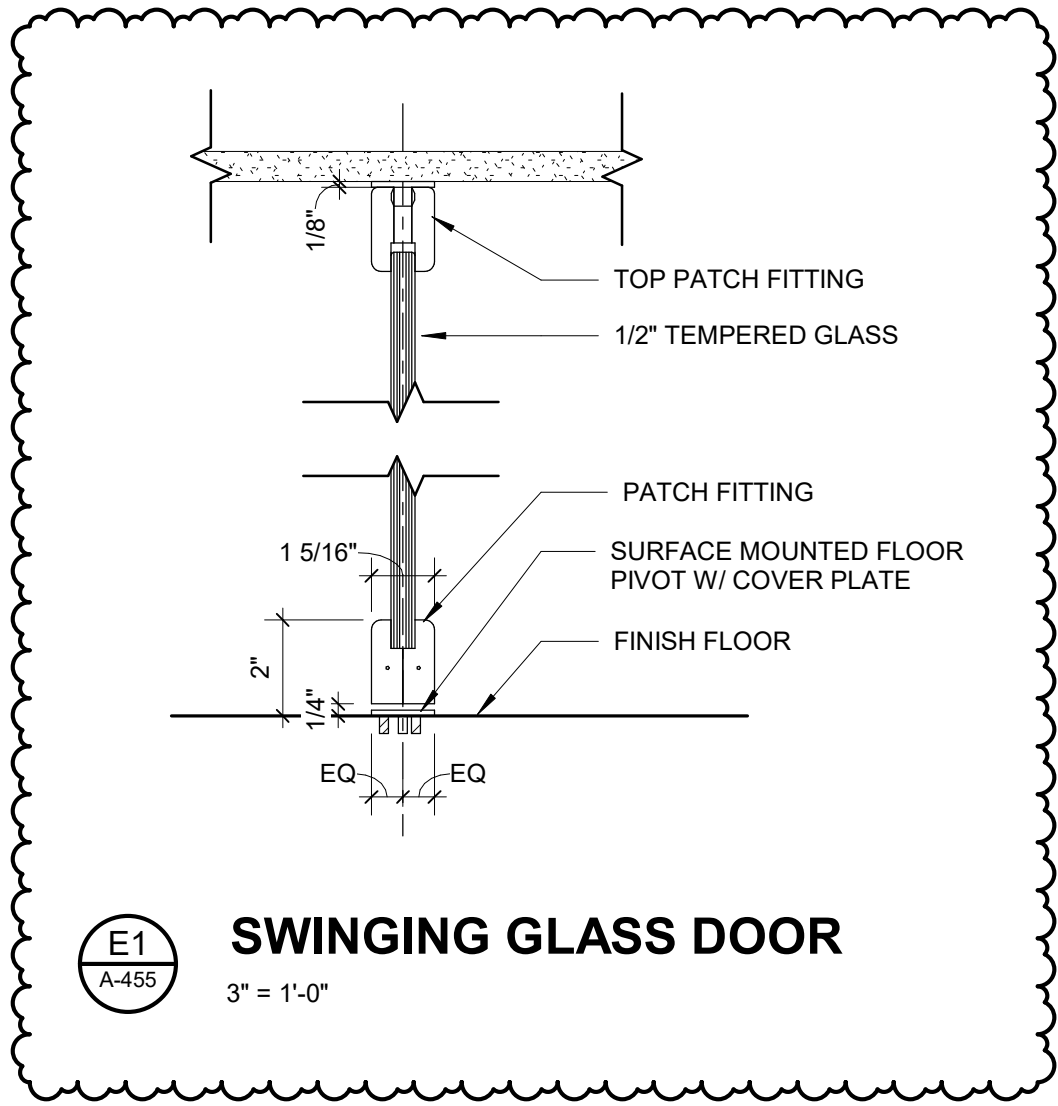
200 N 8th Street
Terre Haute, IN 47809

Owner
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Terre Haute, IN 47809
812-237-6311

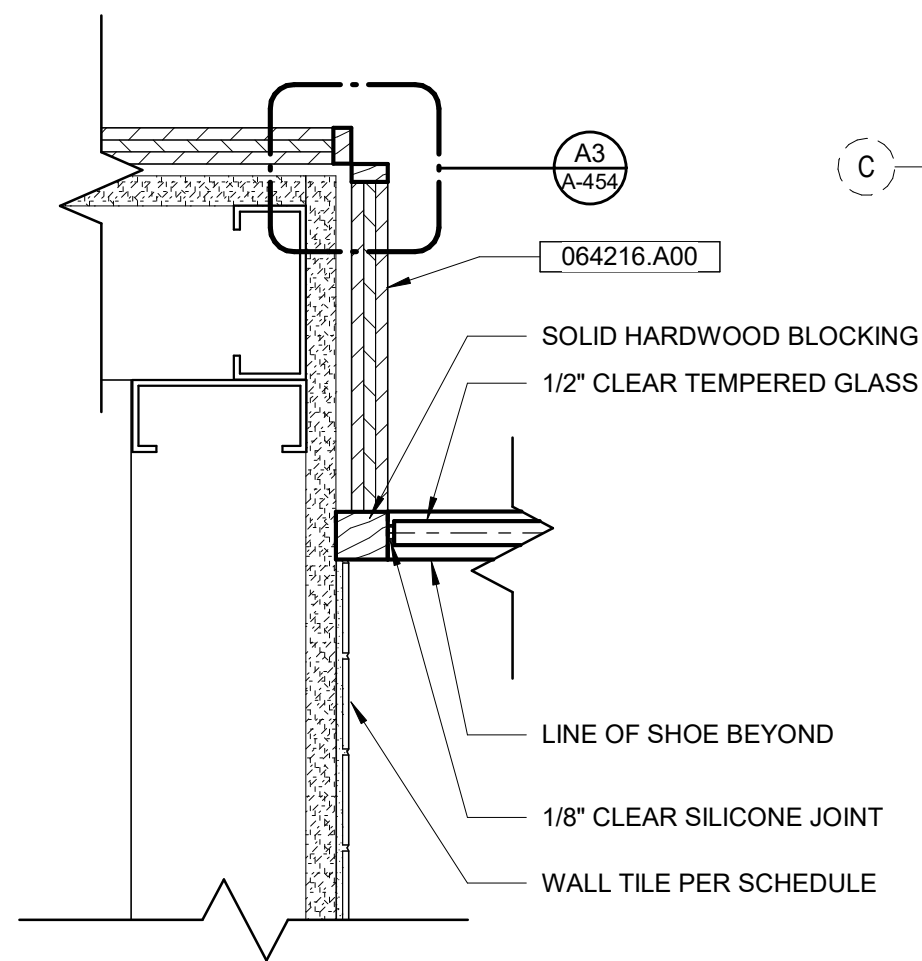
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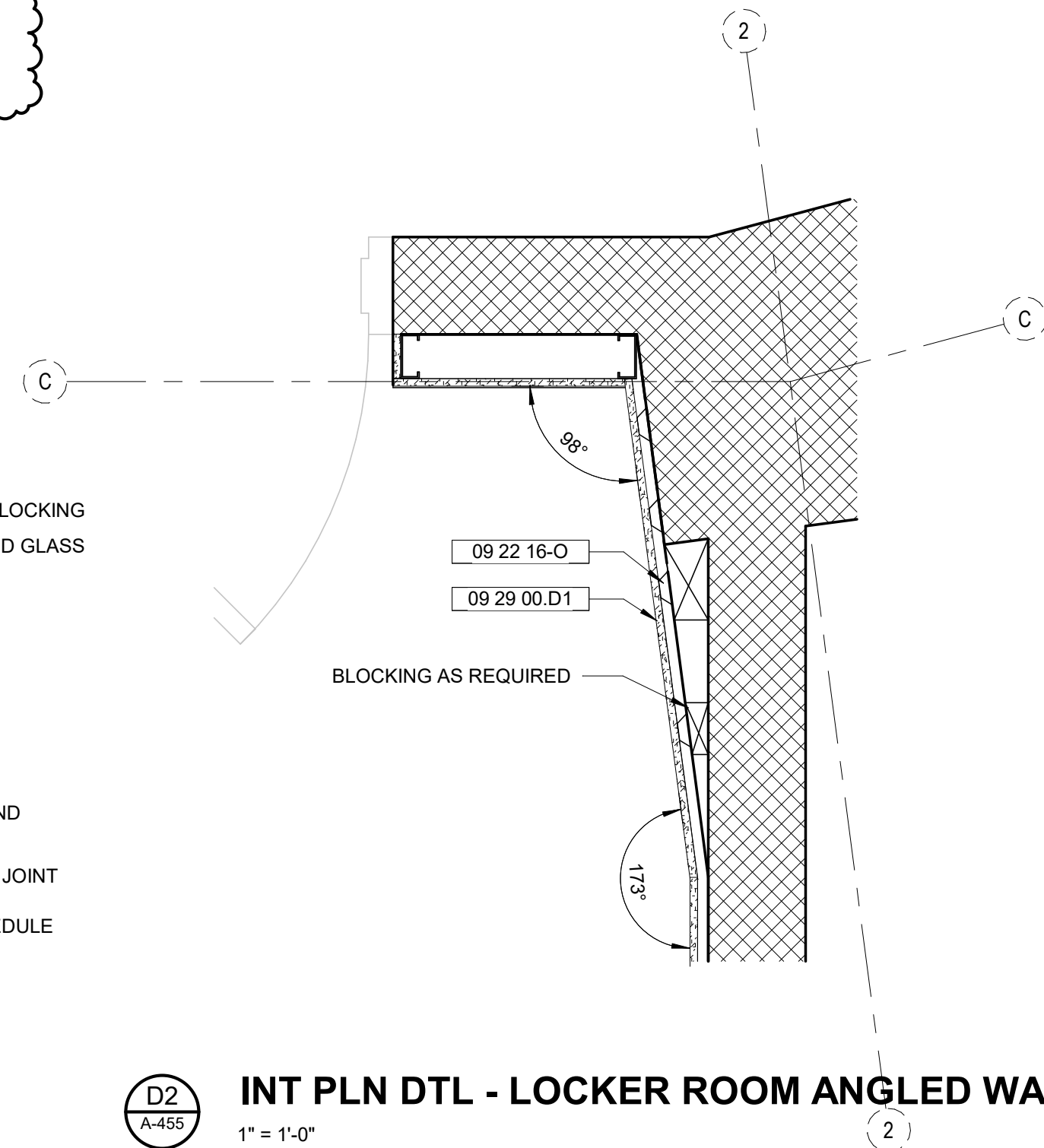
Mechanical / Electrical Engineer
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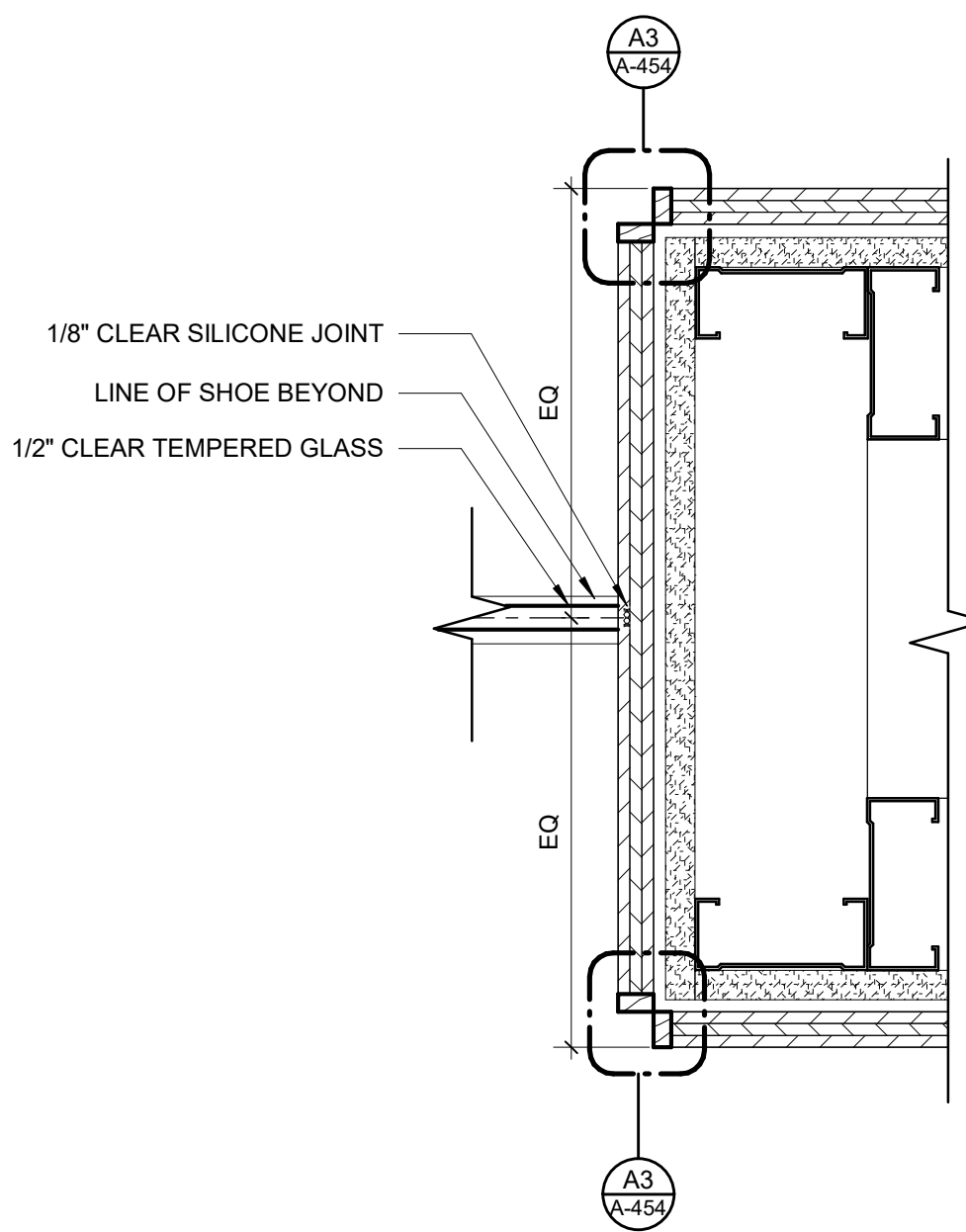
E1
A-455
SWINGING GLASS DOOR
3" = 1'-0"



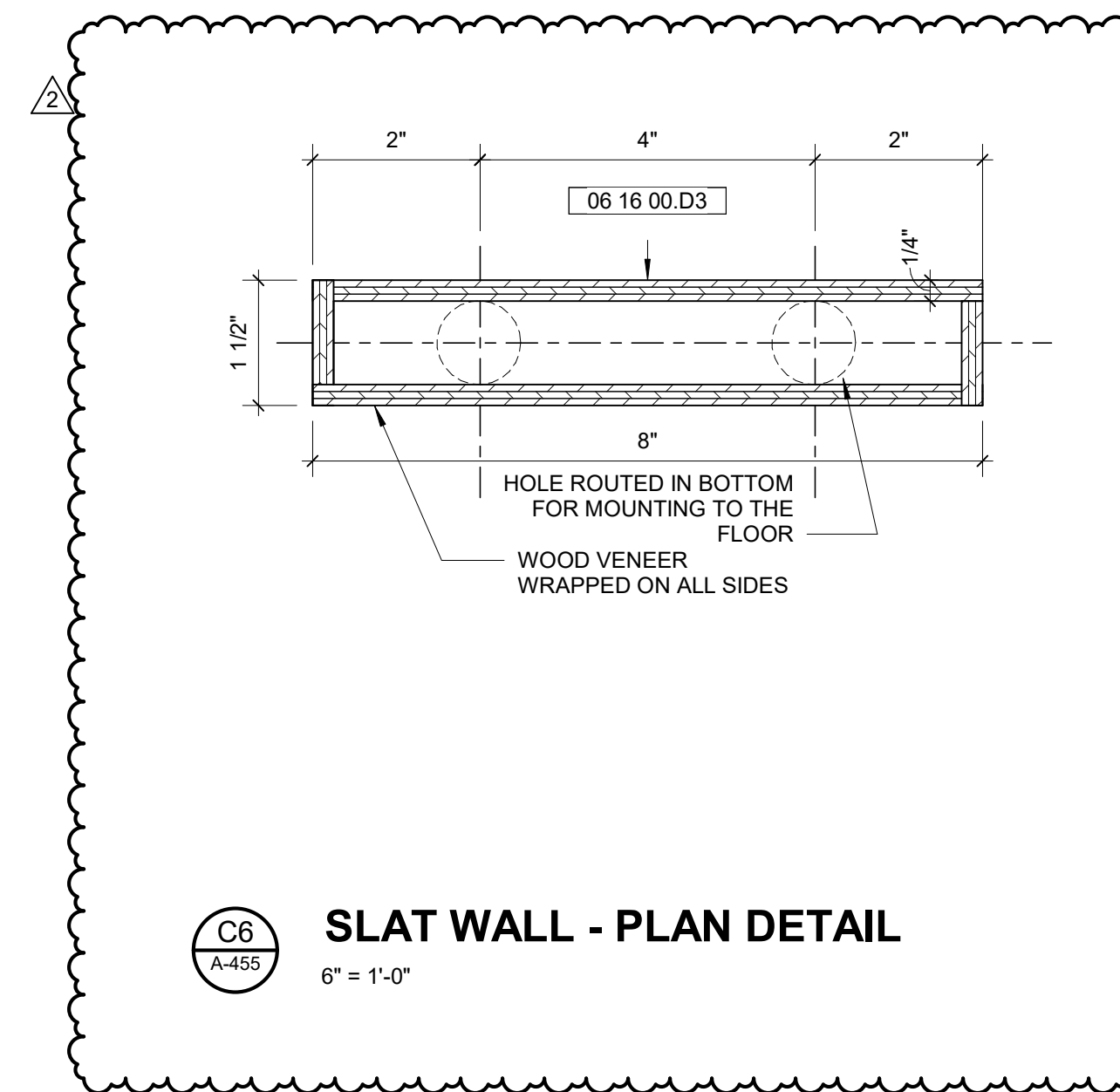
D1
A-455
GLAZING TO WALL
3" = 1'-0"



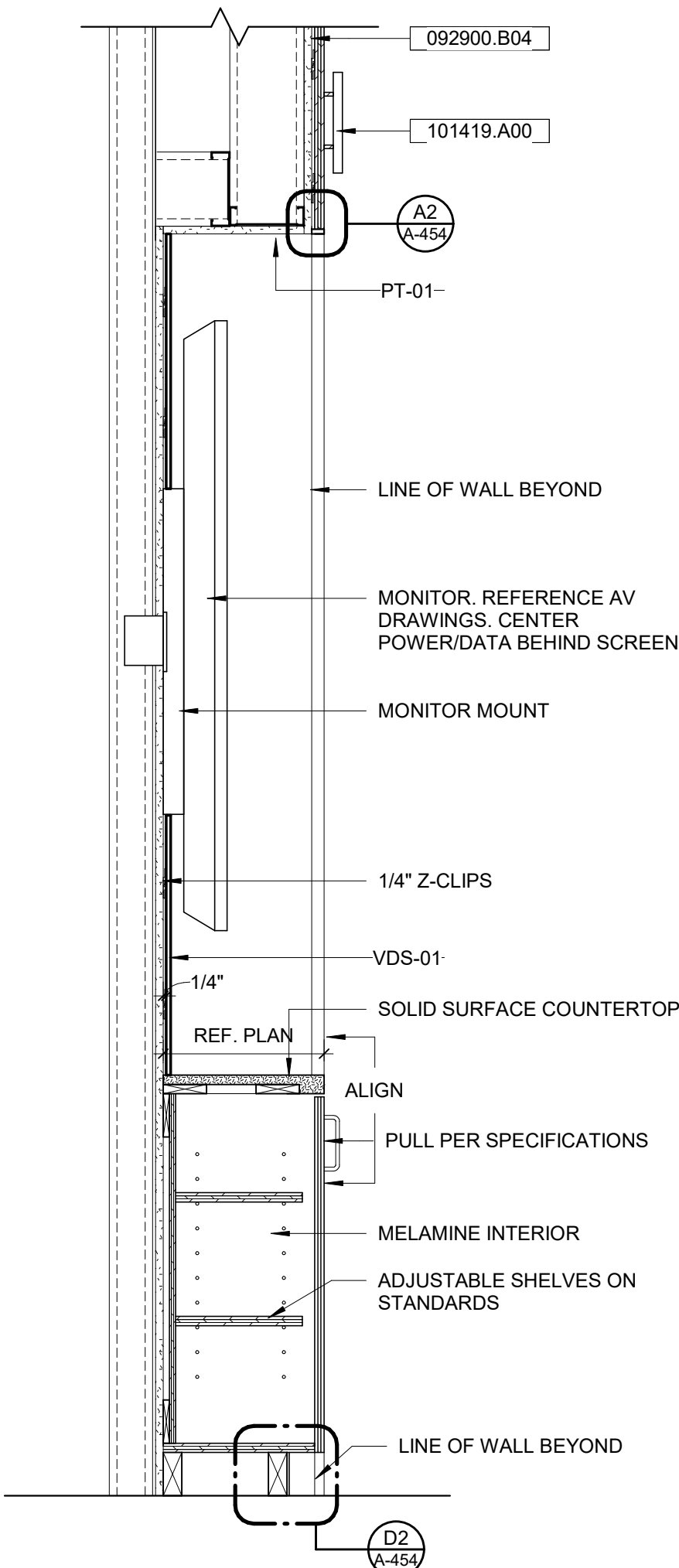
D2
A-455
INT PLN DTL - LOCKER ROOM ANGLED WALL AT ENTRY
1" = 1'-0"



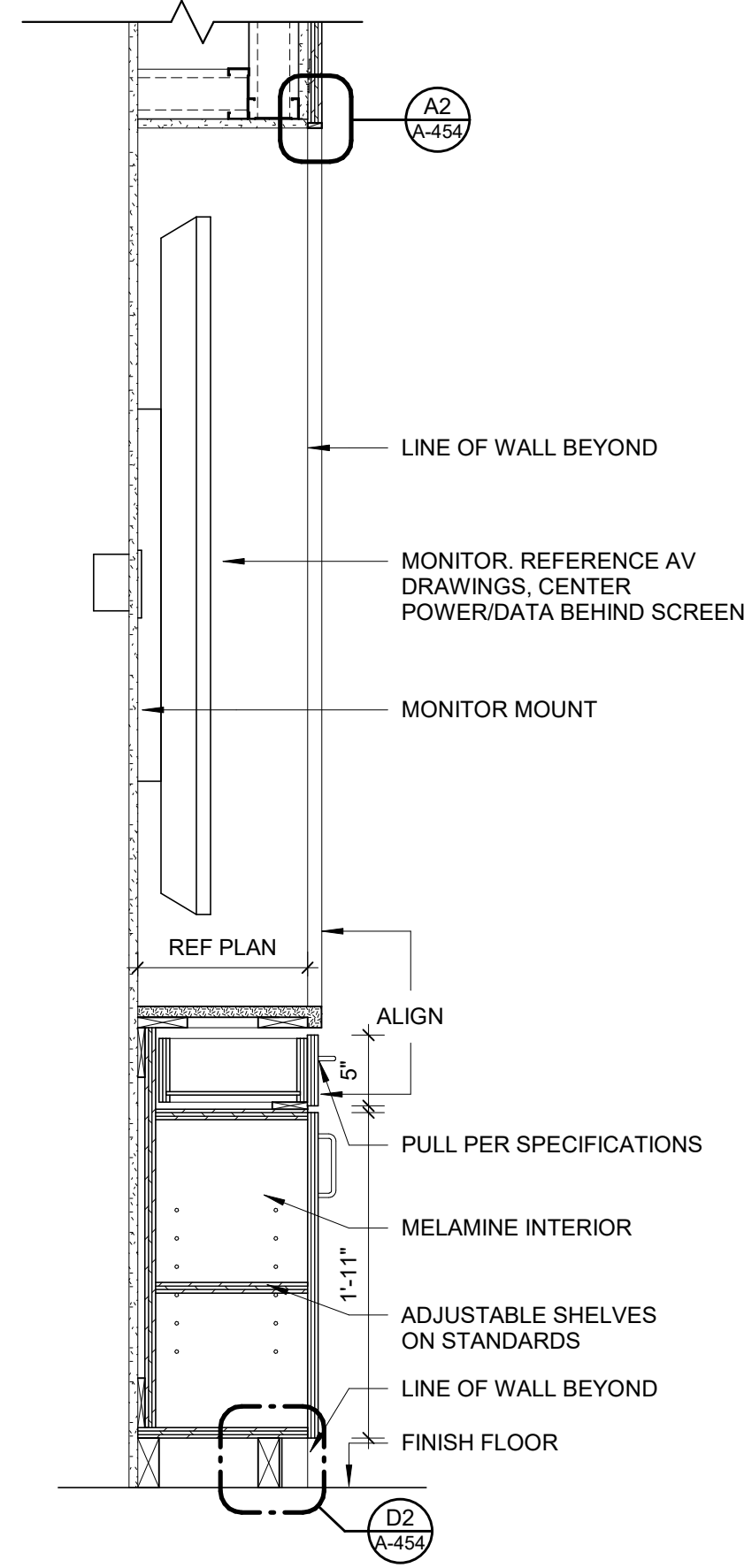
C5
A-455
GLAZING TO WOOD PANELING
3" = 1'-0"



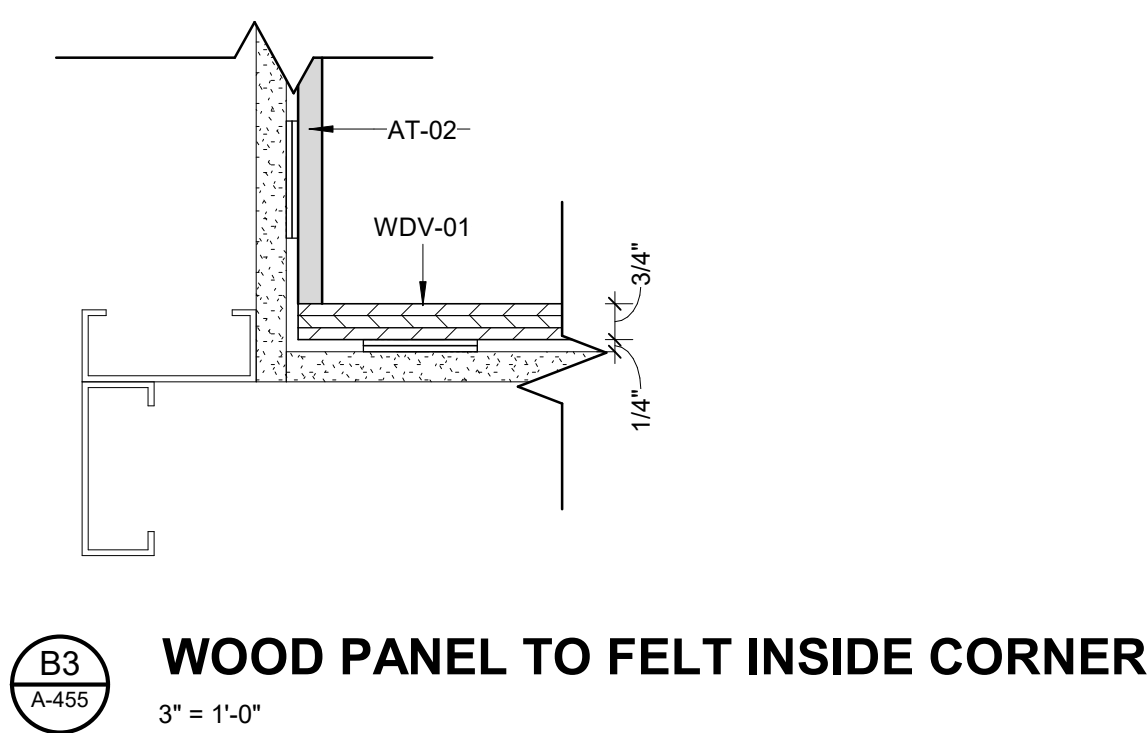
C6
A-455
SLAT WALL - PLAN DETAIL
6" = 1'-0"



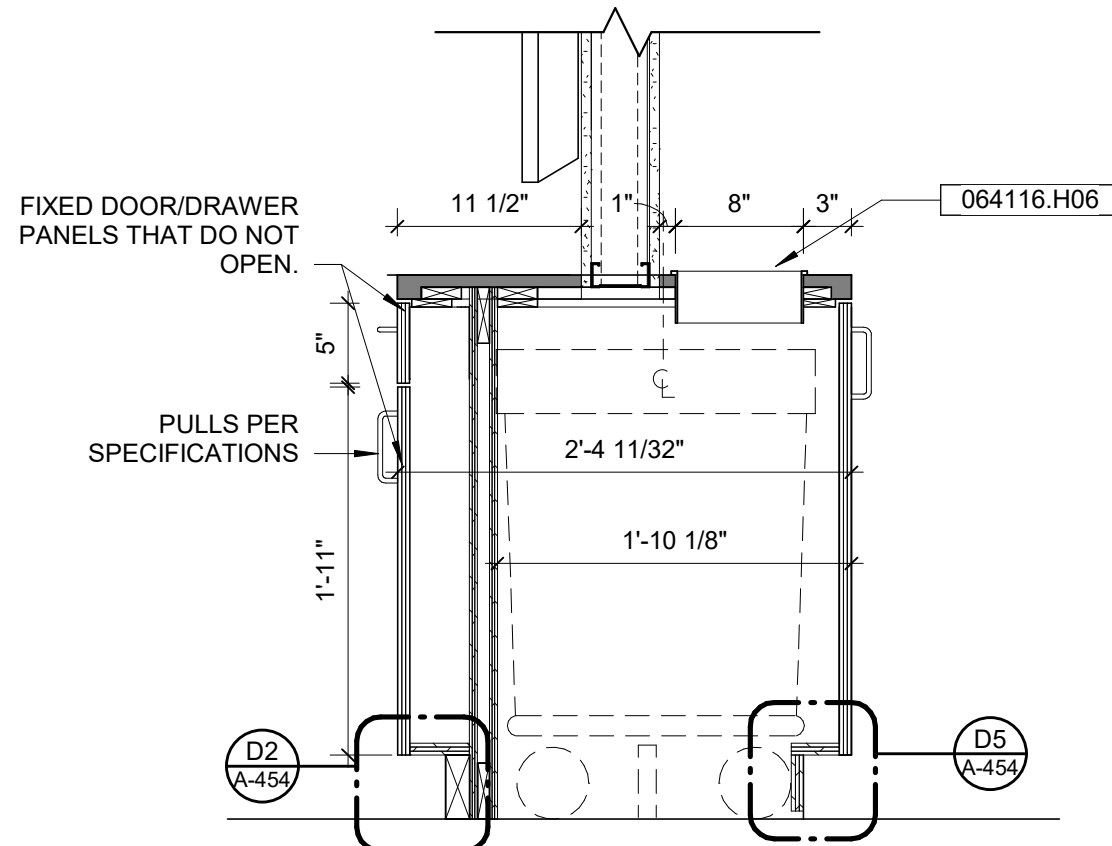
A1
A-455
PRESENTATION WALL
1" = 1'-0"



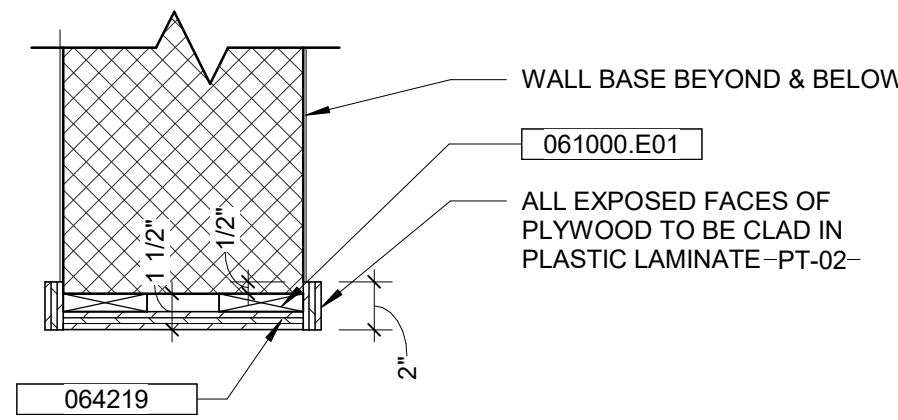
A2
A-455
RECOVERY MONITOR WALL
1" = 1'-0"



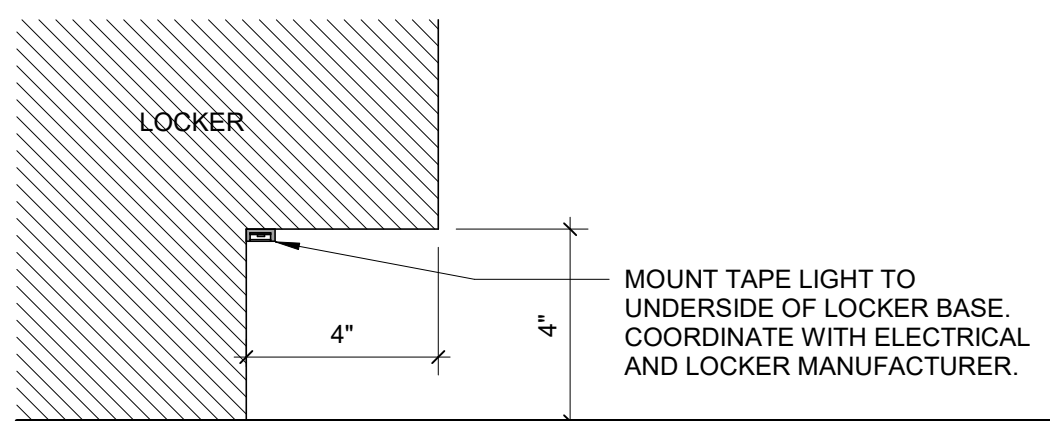
B3
A-455
WOOD PANEL TO FELT INSIDE CORNER
3" = 1'-0"



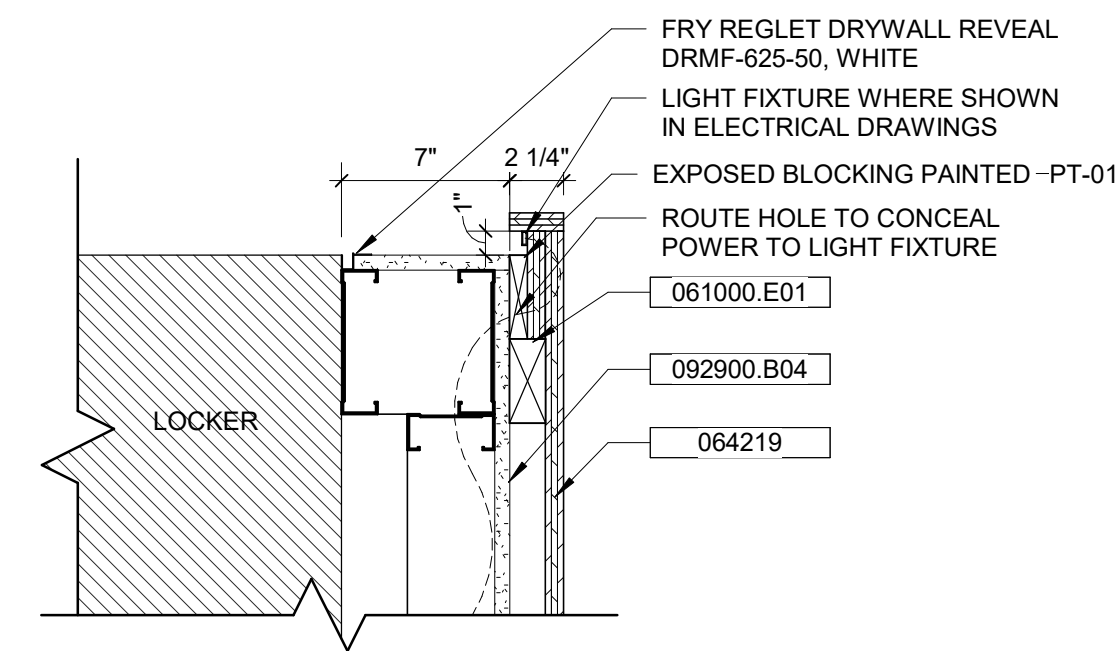
A3
A-455
MEN'S TOWEL DROP
1" = 1'-0"



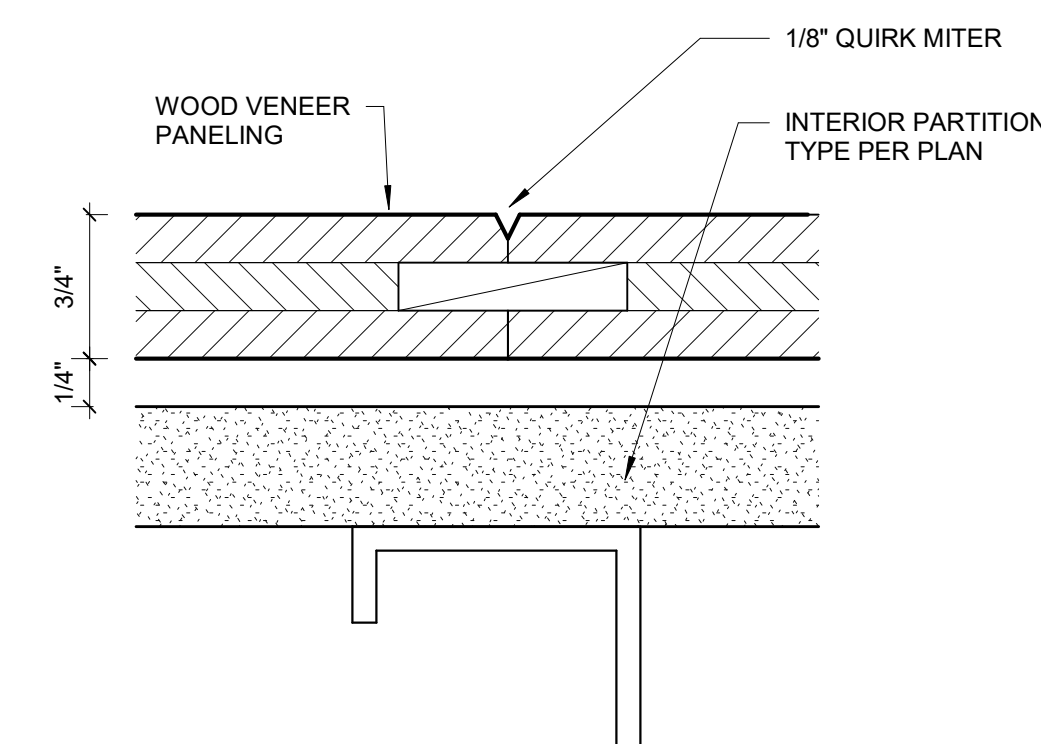
B4
A-455
PORTAL FRAME AT CMU WALL OPENING
1 1/2" = 1'-0"



A4
A-455
LIGHT AT LOCKER BASE
3" = 1'-0"



B6
A-455
WBB LOCKER AT SIDE WALL
1 1/2" = 1'-0"



A6
A-455
WOOD PANELING DETAIL BEHIND SIGNAGE
12" = 1'-0"

SEAL | DATE 6/01/26



SHEET ISSUE

1	CONSTRUCTION DOCUMENTS	5/15/26
2	ADDENDUM 01	6/01/26

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PROJECT NO. 26029.00

SHEET TITLE
INTERIOR DETAILS

SHEET NUMBER
A-455

Hulman Center Interior Upgrades **Locker Room Renovations**

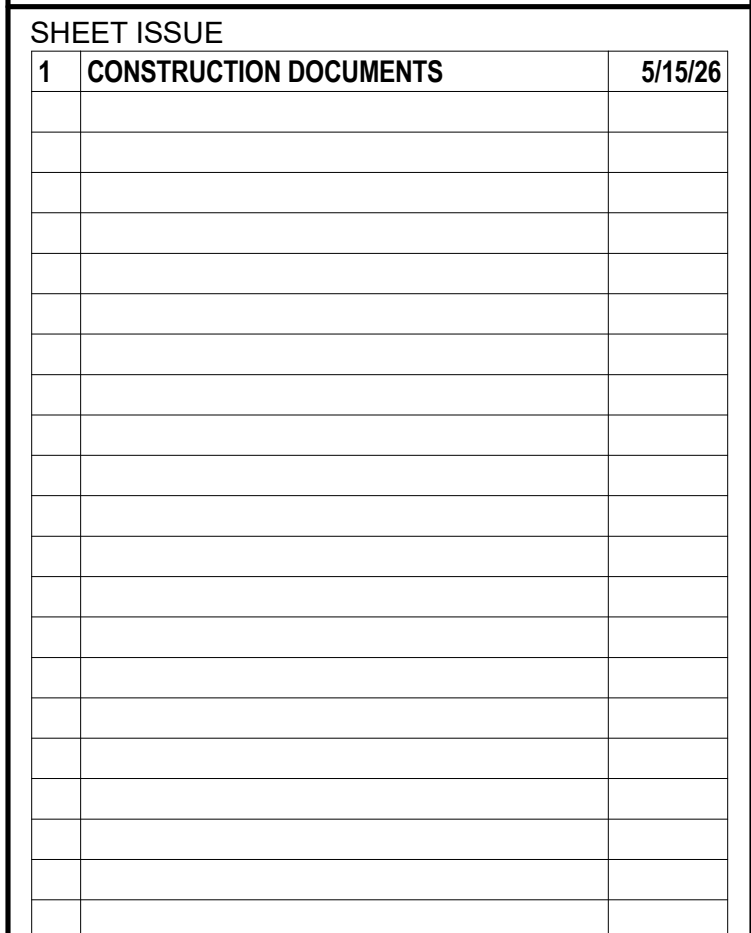
Owner

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812-237-6311

Structural Engineer

Fink Roberts & Petrie
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317-872-8400

SEAL DATE	5/15/26
-------------	---------



PROJECT NO.	26029.00
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SHEET NUMBER

A-456



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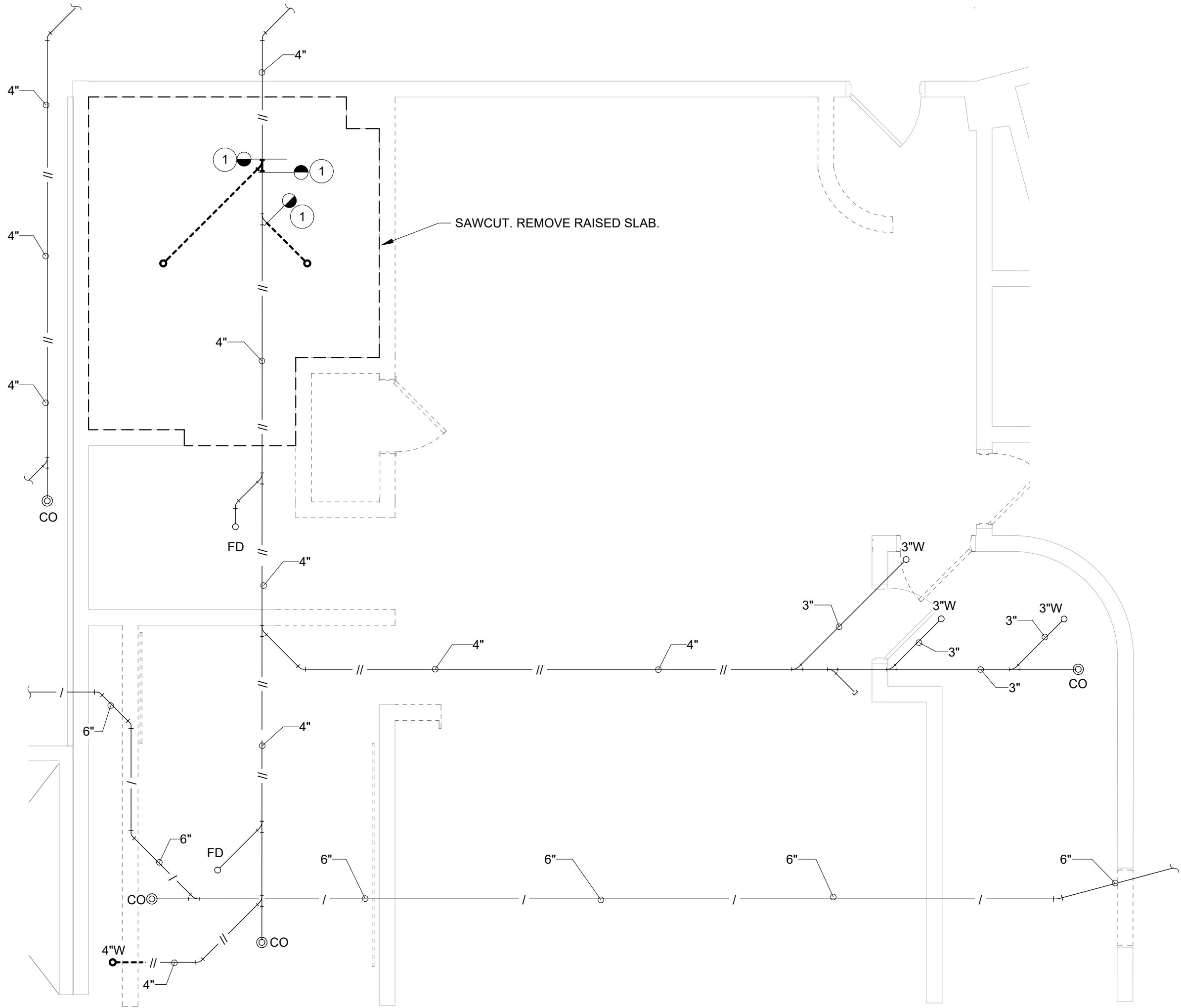


RATIO

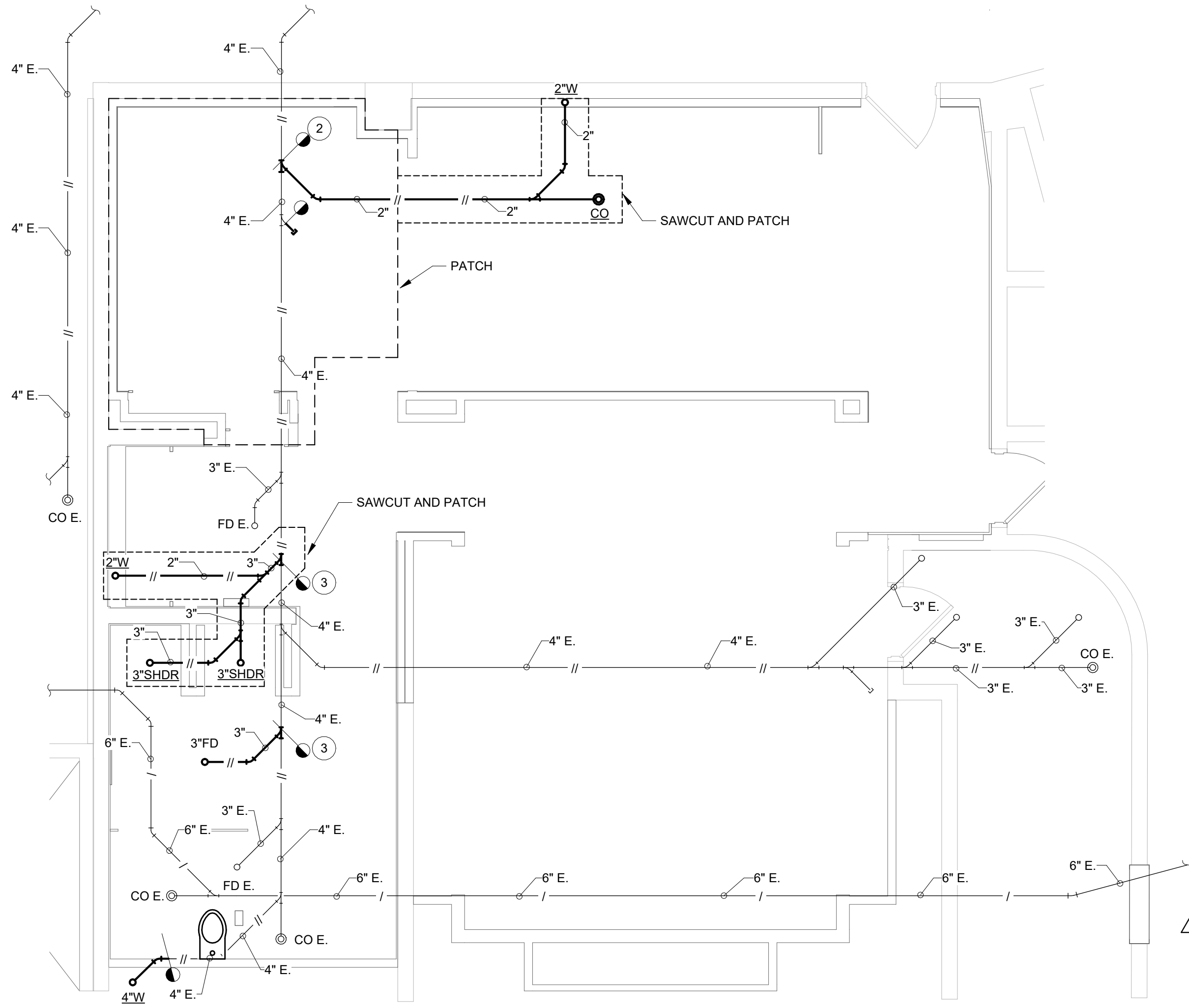
SHEET TITLE
FURNITURE PLANS

A-700

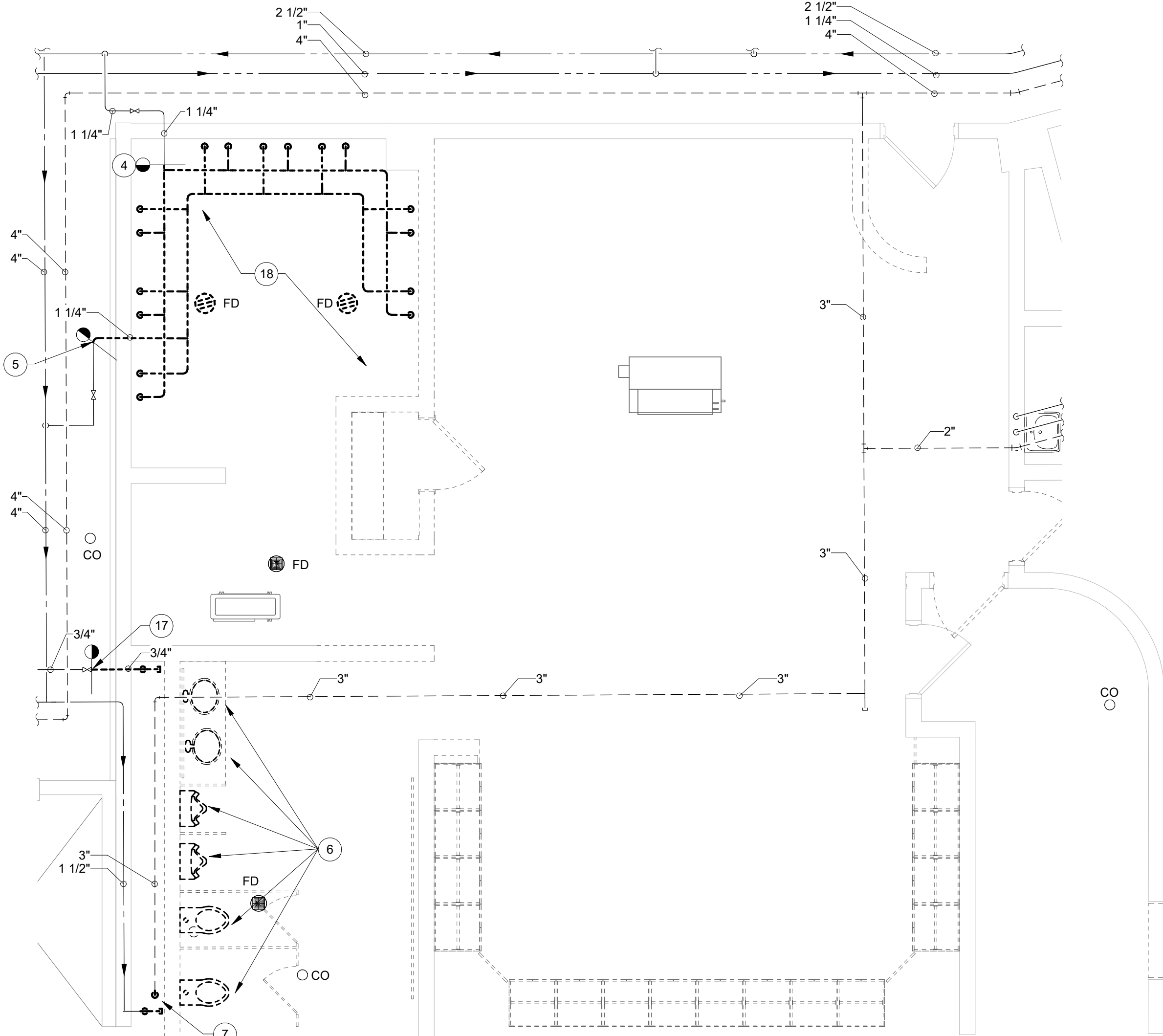
FOR REFERENCE ONLY



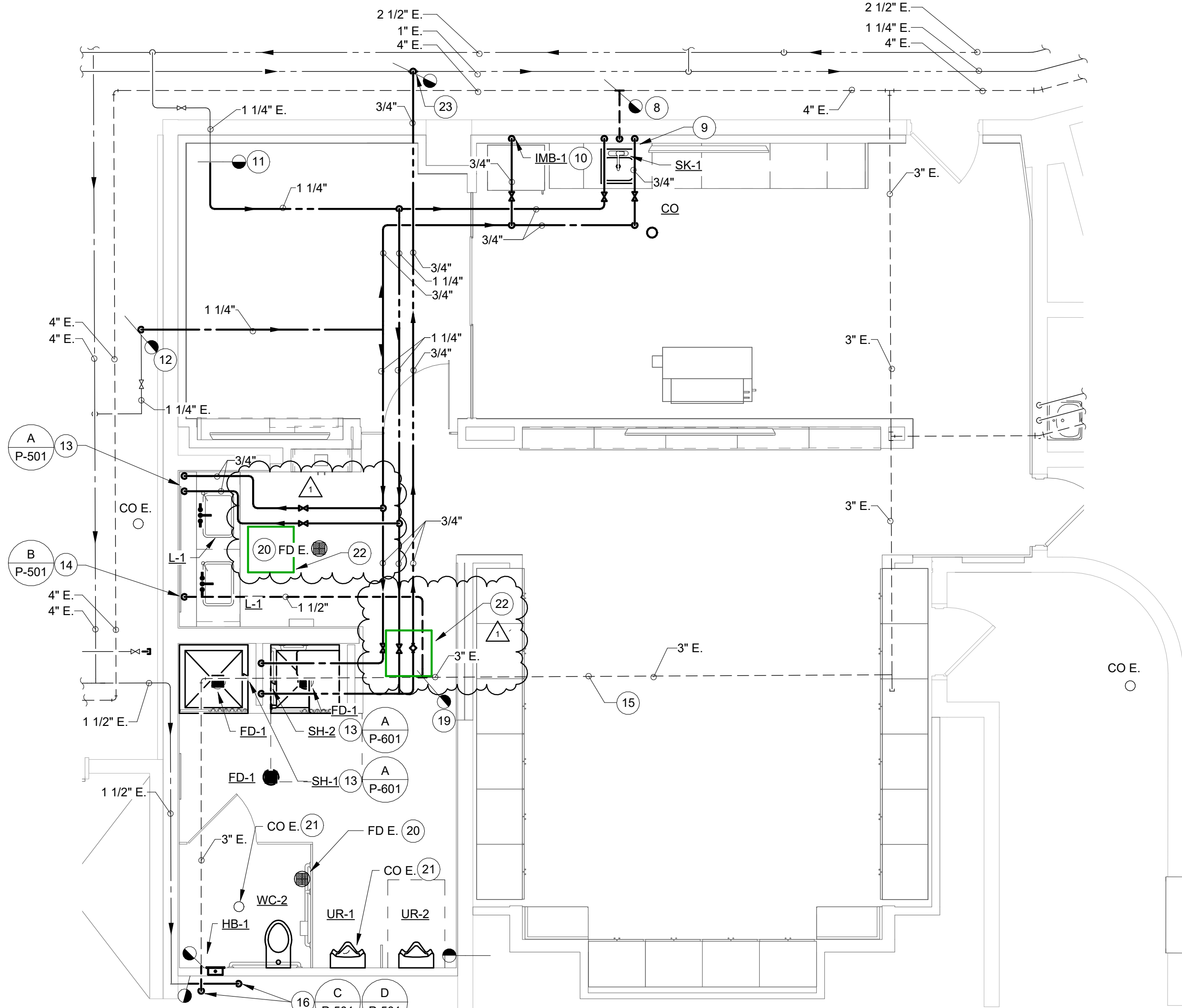
ENLARGED PLAN - MBB LOCKER ROOM UNDERSLAB - PLUMBING DEMOLITION
SCALE: 1/4" = 1'-0"
NORTH



ENLARGED PLAN - MBB LOCKER ROOM UNDERSLAB - PLUMBING
SCALE: 1/4" = 1'-0"
NORTH



ENLARGED PLAN - MBB LOCKER ROOM - PLUMBING DEMOLITION
SCALE: 1/4" = 1'-0"
NORTH



ENLARGED PLAN - MBB LOCKER ROOM - PLUMBING
SCALE: 1/4" = 1'-0"
NORTH

LEGEND:

- WORK TO BE REMOVED
- WORK TO REMAIN
- WORK TO BE INSTALLED

GENERAL NOTES:

- REFER TO SHEET PM-001 FOR ADDITIONAL GENERAL NOTES.
- CONTRACTOR SHALL INCLUDE IN THEIR BIDS COSTS TO JET CLEAN ALL EXISTING CAST IRON UNDERSLAB SANITARY PIPING THAT IS BEING REUSED. RECORD PIPE AFTERWARDS TO ENSURE COMPLETE OPENNESS.
- OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT.

PLAN NOTES:

- REMOVE SANITARY PIPING TO THIS POINT AND PREPARE FOR NEW CONNECTION.
- CONNECT 2" WASTE TO EXISTING 4" WASTE.
- CONNECT 3" WASTE TO EXISTING 4" WASTE.
- REMOVE HOT WATER TO THIS POINT AND PREPARE FOR NEW CONNECTION.
- REMOVE COLD WATER TO THIS POINT AND PREPARE FOR NEW CONNECTION.
- REMOVE ALL PLUMBING FIXTURES AND CHAIR CARRIERS COMPLETELY. REMOVE ALL PIPING IN CHASE BACK TO RISERS.
- REMOVE 4" WASTE DOWN, 3" VENT UP, AND 2 1/2" COLD WATER DOWN.
- CONNECT 1 1/2" VENT TO EXISTING 4" VENT.
- 3/4" COLD WATER, 3/4" HOT WATER, AND 2" WASTE DOWN. 1 1/2" VENT UP.
- 3/4" COLD WATER DOWN.
- CONNECT 1" HOT WATER PIPE TO EXISTING 1 1/4" HOT WATER PIPE.
- CONNECT 1" COLD WATER PIPE TO EXISTING 1 1/4" COLD WATER PIPE.
- 3/4" COLD AND HOT WATER DOWN.
- 2" WASTE DOWN. 1 1/2" VENT UP.
- PROVIDE PIPE SUPPORTS FOR EXISTING 3" VENT.
- EXISTING 1 1/2" COLD WATER AND 4" WASTE DOWN. EXISTING 3" VENT UP. VERIFY PIPE SIZES IN FIELD.
- REMOVE COLD WATER PIPING BACK TO VALVES AND CAP.
- REMOVE ALL SHOWERS AND RELATED PIPING.
- CONNECT 3" VENT PIPING TO EXISTING 3" VENT PIPING.
- EXISTING FLOOR DRAIN TO REMAIN. REPLACE SECURED GRATE.
- EXISTING CLEANOUT TO REMAIN. REPLACE COVER.
- PROVIDE ACCESS PANEL FOR SHUT OFF VALVES AND ACCU E. MAINTENANCE. COORDINATE PIPING IN FIELD TO ALLOW FOR MECHANICAL WORK, AND ACCU E. REPLACEMENT REFER TO A SERIES DRAWINGS.
- CONNECT 3/4" HOT WATER RETURN LINE TO EXISTING HOT WATER RETURN.

**Hulman Center
Interior Upgrades
Locker Room
Renovations**

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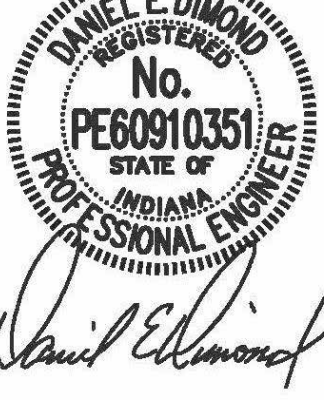
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SEAL | DATE



SHEET ISSUE

1 | ADDENDUM #01 | 06.01.2026

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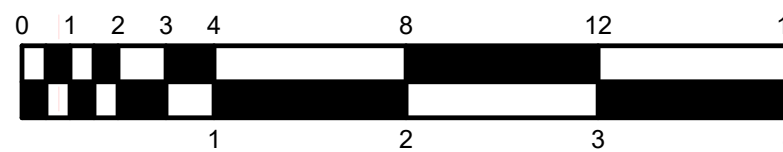
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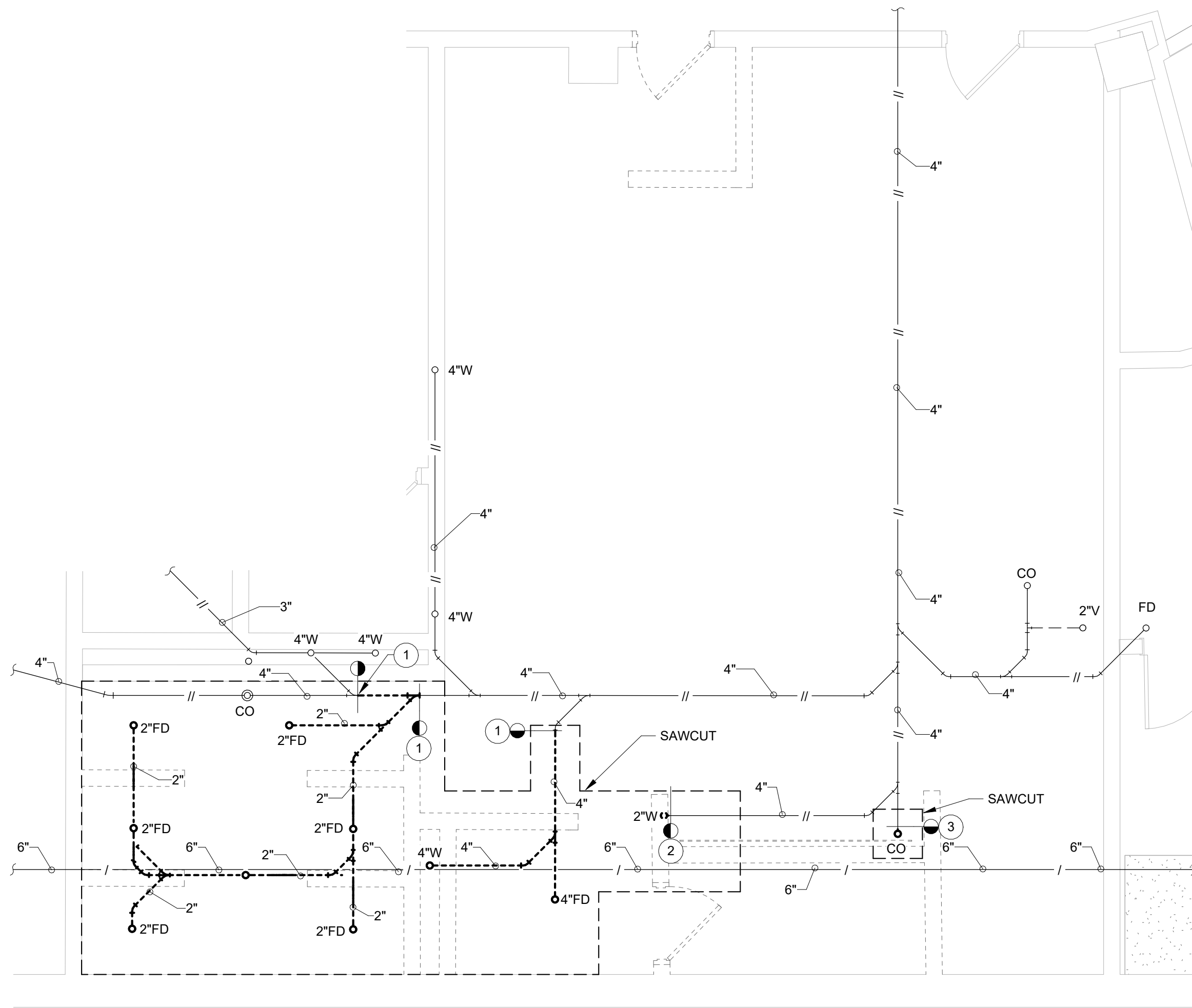
SHEET TITLE

ENLARGED PLAN -
MBB LOCKER ROOM
- PLUMBING

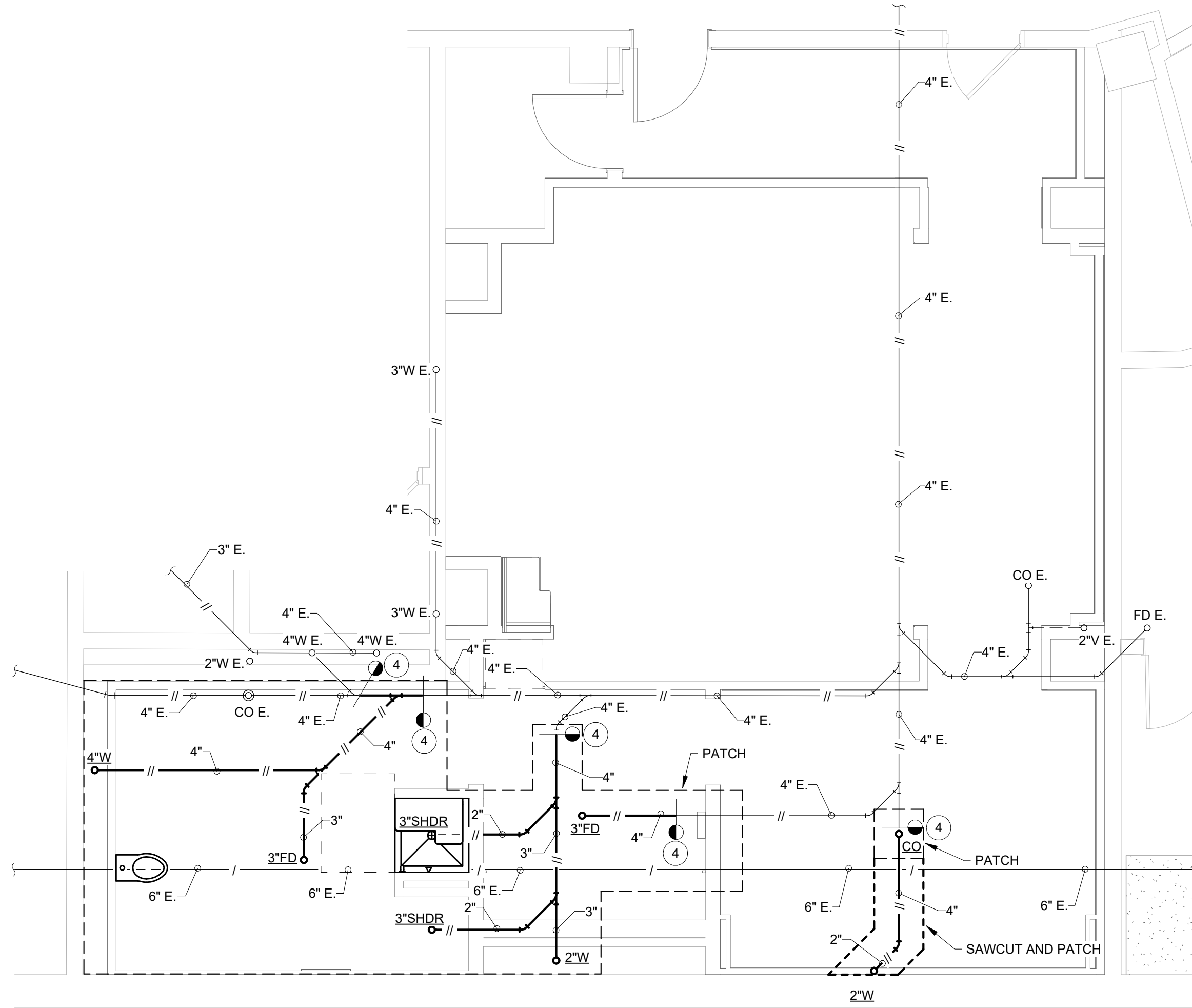
SHEET NUMBER

P-301





ENLARGED PLAN - WBB LOCKER ROOM UNDERSLAB - PLUMBING DEMOLITION
SCALE: 1/4" = 1'-0"
NORTH



ENLARGED PLAN - WBB LOCKER ROOM UNDERSLAB - PLUMBING
SCALE: 1/4" = 1'-0"
NORTH

LEGEND:

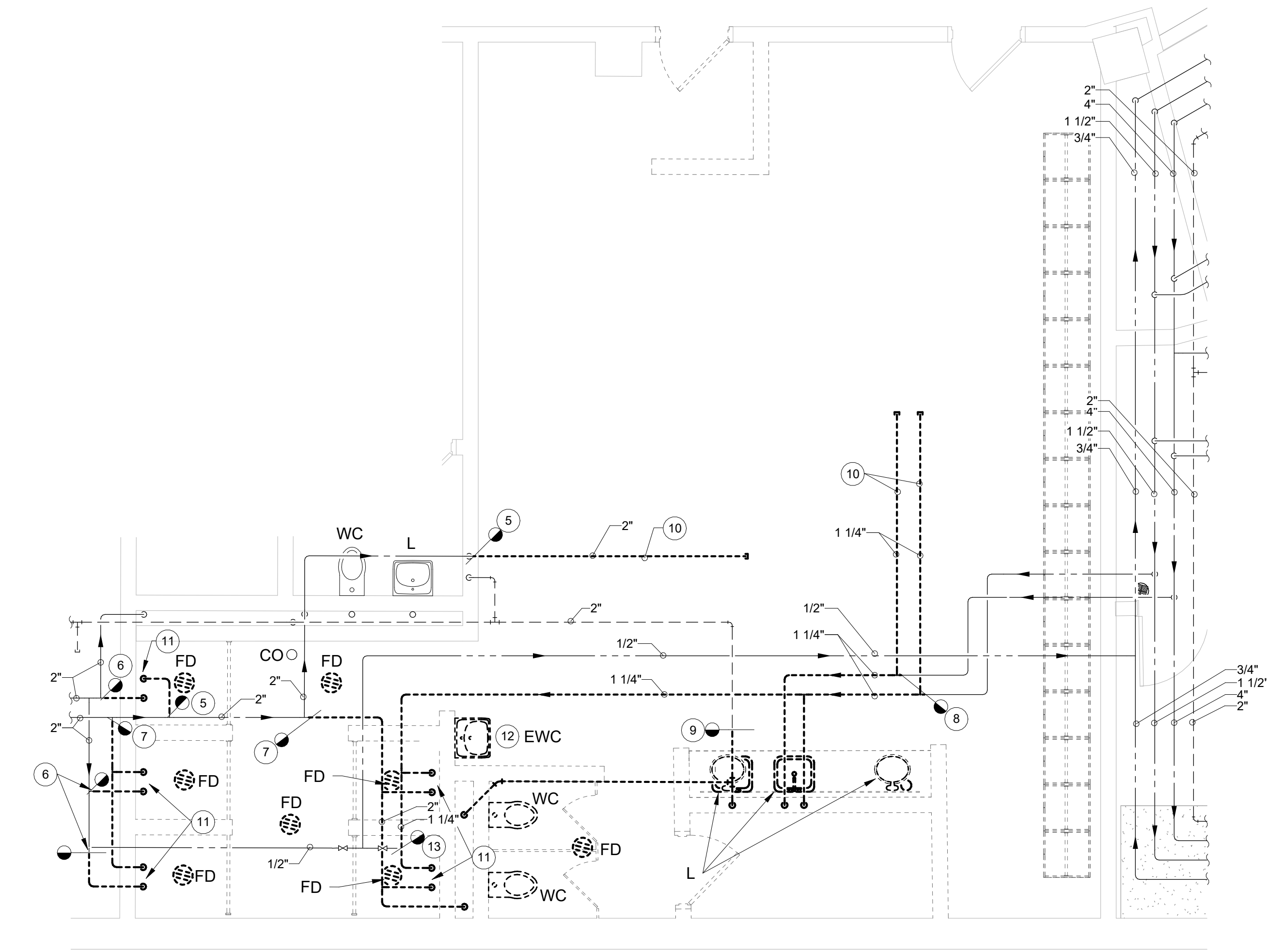
- WORK TO BE REMOVED
 WORK TO REMAIN
 WORK TO BE INSTALLED

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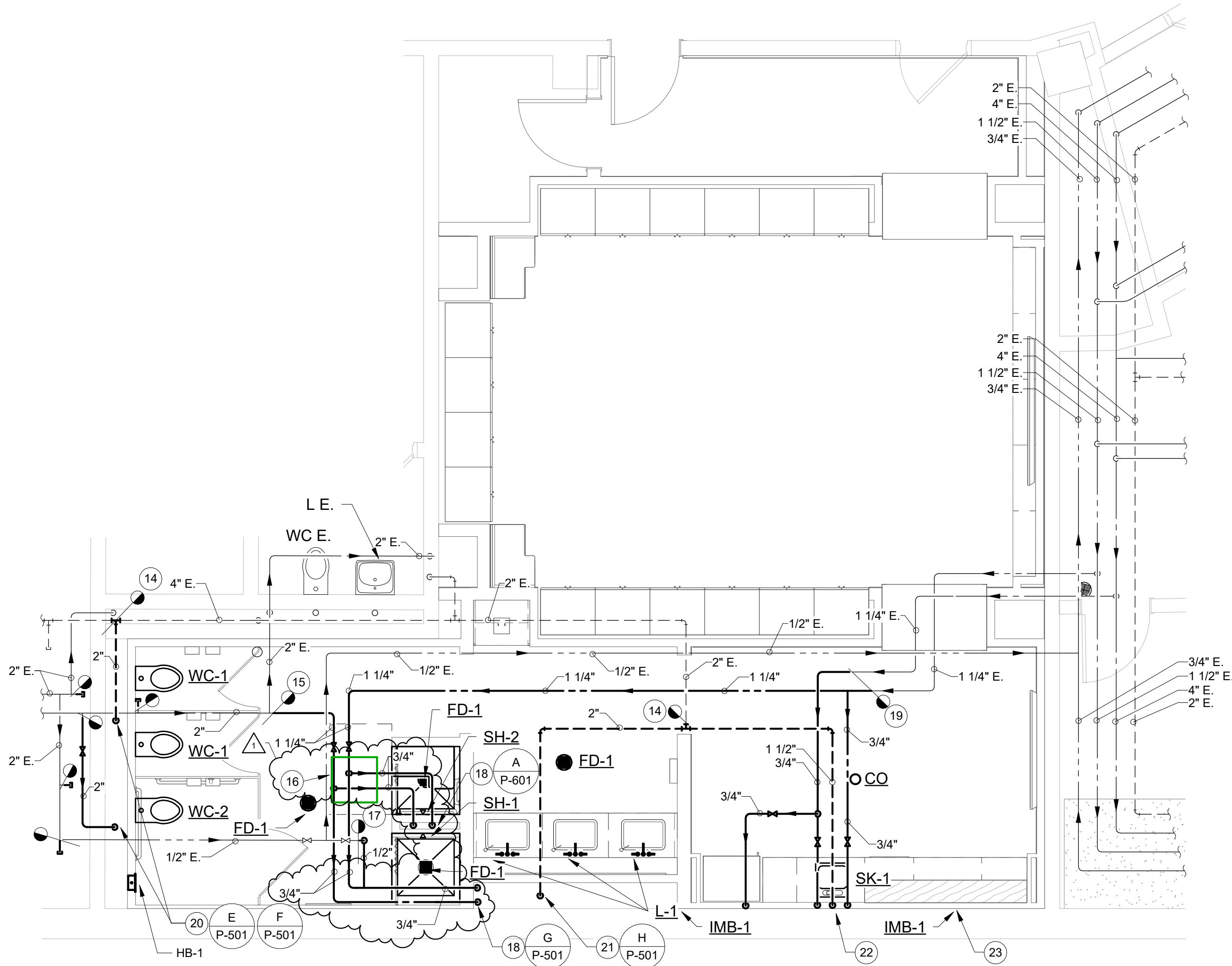
- REFER TO SHEET PM-001 FOR ADDITIONAL GENERAL NOTES.
- CONTRACTOR SHALL INCLUDE IN THEIR BIDS COSTS TO JET CLEAN ALL EXISTING CAST IRON UNDERSLAB SANITARY PIPING THAT IS BEING REUSED. RECORD PIPE AFTERWARDS TO ENSURE COMPLETE OPENNESS.
- OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT.

PLAN NOTES:

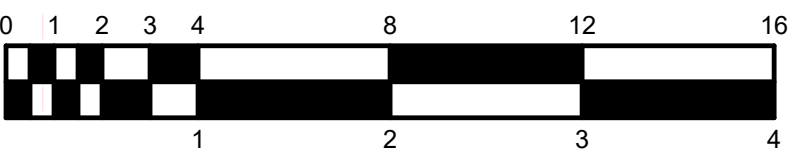
- REMOVE 4" WASTE TO THIS POINT AND PREPARE EXISTING 4" WASTE FOR NEW CONNECTION.
- REMOVE 2" WASTE DOWN AND PREPARE EXISTING 4" WASTE FOR NEW CONNECTION.
- REMOVE CLEANOUT AND PREPARE EXISTING 4" WASTE FOR NEW CONNECTION.
- CONNECT NEW 4" WASTE TO EXISTING 4" WASTE.
- REMOVE COLD WATER PIPING TO THIS POINT AND CAP.
- REMOVE HOT WATER PIPING TO THIS POINT AND CAP.
- REMOVE COLD WATER PIPING TO THIS POINT AND PREPARE FOR RECONNECTION.
- REMOVE COLD AND HOT WATER PIPING TO THIS POINT AND PREPARE FOR RECONNECTION.
- REMOVE VENT TO THIS POINT AND PREPARE FOR RECONNECTION.
- FIELD VERIFY PIPING IS ABANDONED. REMOVE PIPING BACK TO NEAREST ACTIVE POINT.
- REMOVE SHOWER VALVE AND ALL RELATED PIPING.
- UNINSTALL ELECTRIC WATER COOLER AND REMOVE ALL RELATED PIPING. CAP WASTE BELOW FLOOR AND VENT AT A POINT THAT DOES NOT TRAP WATER.
- DISCONNECT HOT WATER RETURN PIPING, AND PREPARE FOR RECONNECTION.
- CONNECT 2" VENT PIPING TO EXISTING 2" VENT PIPING.
- CONNECT 1 1/4" COLD WATER PIPING TO EXISTING COLD WATER PIPING.
- PROVIDE ACCESS PANEL FOR SHUT OFF VALVES. COORDINATE EXACT PLACEMENT IN FIELD. SEE 'A' SERIES DRAWINGS.
- CONNECT 1/2" HOT WATER RETURN TO EXISTING 1/2" HOT WATER RETURN.
- 3/4" COLD AND HOT WATER DOWN.
- CONNECT 3/4" COLD WATER PIPING AND 1 1/4" HOT WATER PIPING TO EXISTING 1 1/4" COLD AND HOT WATER PIPING.
- 2" COLD WATER, 4" WASTE DOWN, AND 2" VENT UP.
- 2" WASTE DOWN. 2" VENT UP.
- 3/4" COLD WATER, 3/4" HOT WATER, AND 2" WASTE DOWN. 1 1/2" VENT UP.
- 3/4" COLD WATER DOWN.



ENLARGED PLAN - WBB LOCKER ROOM - PLUMBING DEMOLITION
SCALE: 1/4" = 1'-0"
NORTH



ENLARGED PLAN - WBB LOCKER ROOM - PLUMBING
SCALE: 1/4" = 1'-0"
NORTH



**Hulman Center
Interior Upgrades
Locker Room
Renovations**

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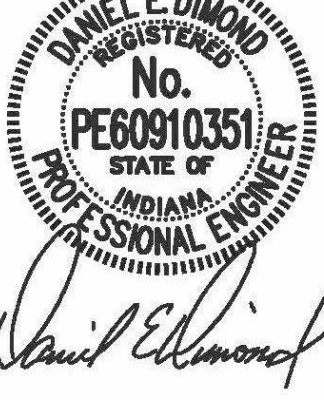
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5/14/2026

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1 ADDENDUM #01 06.01.2026

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PROJECT NO. 16028.000

SHEET TITLE
**ENLARGED PLAN -
WBB LOCKER ROOM
- PLUMBING**

SHEET NUMBER

P-302

Hulman Center
Interior Upgrades
Locker Room Renovations

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D&A #26012

LEGEND:

- WORK TO BE REMOVED
WORK TO REMAIN
WORK TO BE INSTALLED

GENERAL NOTES:

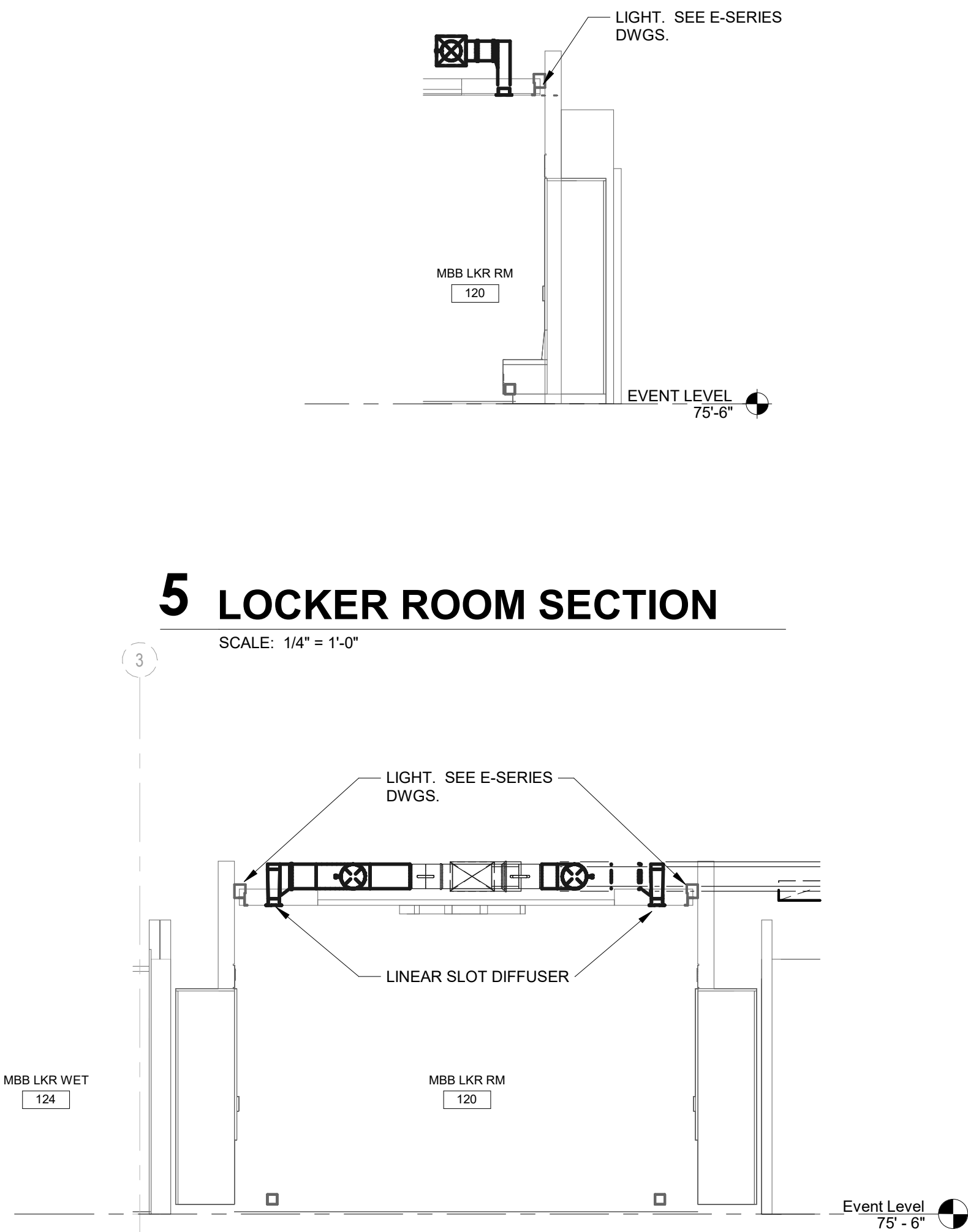
- REFER TO SHEET M-001 FOR ADDITIONAL GENERAL NOTES.
- CLOSELY COORDINATE DECORATIVE CEILING ASSEMBLIES WITH NECESSARY EQUIPMENT ACCESS.
- ALL BALANCE DAMPERS IN DUCTWORK SHALL LOCATED FOR ACCESS FROM NEAREST ACCESSIBLE CEILING SYSTEM.
- EXISTING VOLUME DAMPERS ARE AT BRANCH TAKE-OFF ELEVATED ABOVE EXISTING CEILINGS. IT IS THE INTENT TO USE THESE DAMPERS AS THE MEANS FOR BALANCING THE EXHAUST SYSTEM. OTHERWISE BALANCE GRILLE VIA OBD ON BACK OF GRILLE. EXISTING VOLUME DAMPERS IF NOT USED SHALL BE LOCKED WIDE OPEN.

PLAN NOTES:

- REMOVE FLAT PLATE TEMPERATURE SENSOR AND SALVAGE SENSOR FOR RE-USE.
- RE-INSTALL SPACE TEMPERATURE SENSOR AT THIS LOCATION.
- FAN COIL UNIT: INTERNATIONAL HPY-16 TO REMAIN. REMOVE FILTER RETURN GRILLES. REMOVE BRANCH HYDRONIC PIPING BACK AS REQUIRED FOR CEILING INSTALLATION. SALVAGE FAN COIL UNIT CONTROLLER AND TCV'S FOR REUSE.
- 2' X 2' ACCESS PANEL. REFER TO 'A' SERIES DRAWINGS.
- REMOVE SECTION OF VENTILATION AIR DUCTWORK.
- 24"X24" FILTER RETURN GRILLE. BLACK FINISH.
EXTEND BRANCH HYDRONIC PIPING AND DDC CONTROLS TO FAN COIL UNIT AND CONNECT. PROVIDE OFFSETS AS REQUIRED. LOCATE PIPING AND COIL ACCESSORIES FOR BEST ACCESS FROM BELOW.
- LINEAR SLOT DIFFUSER. BLACK FINISH. TYPICAL.
- AIR PURIFIER, RESPECTIVE DUCTWORK, AND GRILLES SHALL BE UNDER ALTERNATE BID ONLY.
- ACCU TO TEMPORARILY SUPPORTED FOR CEILING DEMOLITION.
- PROVIDE MISCELLANEOUS UNISTRUT SUPPORT AND HARDWARE TO SUPPORT ACCU. ACCU SITS ON EXISTING CEILING AND WILL BE RAISED AS REQUIRED TO ACCOMMODATE NEW CEILING HEIGHT. LOCATE UNIT FOR BEST ACCESS FROM ADJACENT ACCESS PANEL. VERIFY IN FIELD.

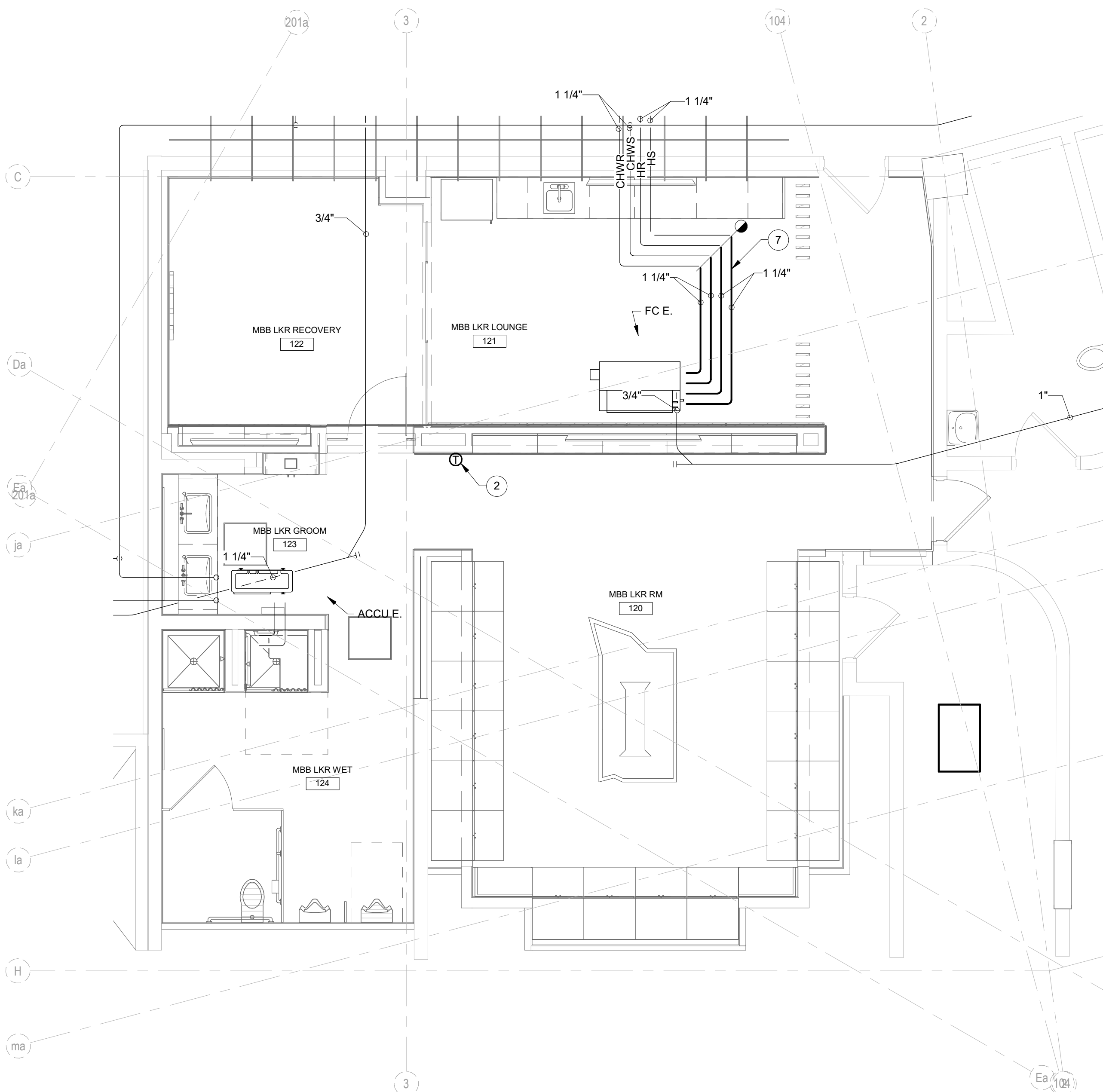
5 LOCKER ROOM SECTION

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



4 LOCKER ROOM SECTION

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

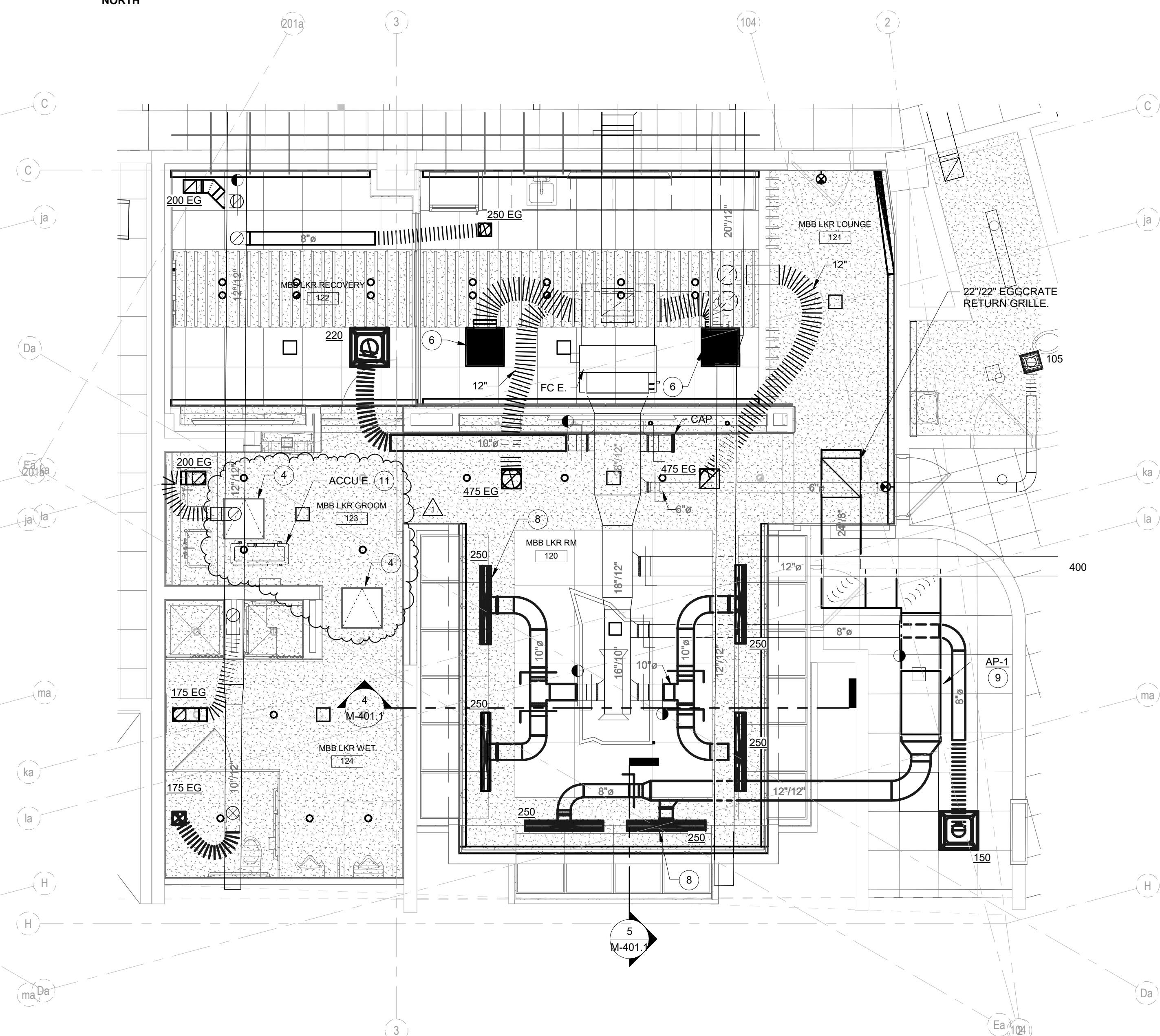


ENLARGED PLAN - MBB LOCKER ROOM - HYDRONICS

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

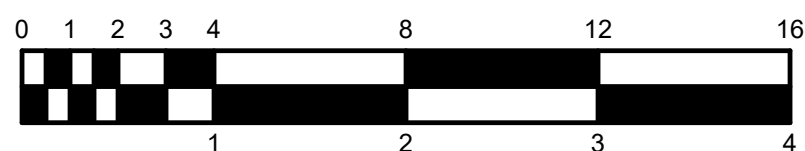
ENLARGED PLAN - MBB LOCKER ROOM - MECHANICAL DEMOLITION

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

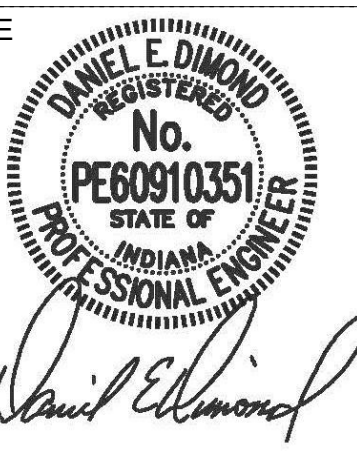


ENLARGED PLAN - MBB LOCKER ROOM - AIR DISTRIBUTION

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



SEAL | DATE



SHEET ISSUE

1 ADDENDUM #01 06.01.2026

RATIO

PROJECT NO. 16028.000

SHEET TITLE
ENLARGED PLAN -
MBB LOCKER ROOM
- MECHANICAL

SHEET NUMBER

M-401.1

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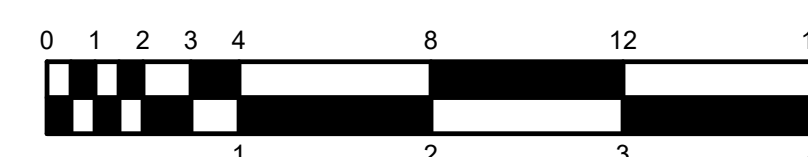
☐ WORK TO BE REMOVED

☐ WORK TO REMAIN

☐ WORK TO BE INSTALLED

1. REFER TO SHEET E-001.1 FOR ADDITIONAL GENERAL NOTES.
2. VERIFY COLOR OF WALL AND CEILING DEVICES, AND COVERPLATES WITH ARCHITECT.
3. SEE DRAWING E-101 FOR ROOM LOCATION AND ELECTRICAL PANEL LOCATIONS.
4. TELECOM CABLES TO BE SERVED FROM TR01. SEE DRAWING E-101.

1. LOCKER POWER CONNECTION. COORDINATE IN FIELD WITH LOCKER INSTALLER.
2. COORDINATE WITH CASEWORK.
3. CONNECT REFRIGERATOR RECEPTACLE TO LOAD SIDE OF BLANK FACE GFCI RECEPTACLE AND CONNECT TO CIRCUIT SWING. MOUNT GFCI AT COUNTER HEIGHT.
4. SALVAGE FOR REINSTALLATION.
5. REINSTALL SALVAGED FIXTURE.
6. CONNECT TO LOGO SIGNAGE. COORDINATE IN FIELD.
7. PROVIDE 120V CIRCUIT INDICATED AND NEMA 15-20R RECEPTACLE FOR EXISTING GAME CLOCK. RECONNECT TO SCOREBOARD CONTROLLER FOR SIGNAL. VERIFY LOCATION.
8. INSTALL DRIVER(S) FOR TYPE 'F7Z' LIGHT FIXTURES ABOVE GWB CEILING. ACCESSIBLE FROM BELOW THROUGH AC.
9. TWO GROUPS OF 2-GANG DIMMER SWITCHES. INSTALL ONE ABOVE THE OTHER.
10. BLACK FINISH.
11. RED FINISH.
12. DISCONNECT POWER TO EXISTING FAN COIL UNIT AND RECONNECT TO RELOCATED UNIT AS REQUIRED.
13. PROVIDE 120V CIRCUIT AND DISCONNECT SWITCH FOR AIR PURIFIER. PROVIDE SWITCH WITH PILOT LIGHT.
14. PROVIDE RP VISUAL SOLUTIONS #RPWM-32MAXF-XMS-UNV FLUSH IN-WALL PLAT PANEL MOUNTING SYSTEM. INSTALL WITH CENTER OF TELEVISION AT 5-FOOT, 6-INCHES AFF. VERIFY HEIGHT PRIOR TO ROUGH-IN. PROVIDE AND TO COME IN MOUNTING SYSTEM. PROVIDE SCREENBEAM FLEX #SBWD110G WIRELESS DISPLAY RECEIVER AND INSTALL BEHIND DISPLAY.
15. PROVIDE 110V #850NED9202AJUA 85-INCH CLASS LG QNED EVO AI QNED92A MINI LED 4K SMART TV.
16. PROVIDE 110V #850NED9202AJUA 65-INCH CLASS LG QNED EVO AI QNED92A MINI LED 4K SMART TV.
17. PROVIDE 2 DATA CABLES AND HDMI LOCAL INPUT.
18. PROVIDE BOSE 791 SERIES II IN-CEILING SPEAKER. PINT GRILLE TO MATCH CEILING. CONNECT TO WI-FI AND/OR ETHERNET. COORDINATE WITH OWNER.
19. PROVIDE BOSE MUSIC AMPLIFIER. AMPLIFIER TO SIT ON COUNTER NEAR RECEPTACLE AND DATA ON SIDE WALL SPACE.

[illegible]

PROJECT NO. 16028.00

SHEET NUMBER

E-401.1

Hulman Center
Interior Upgrades
Locker Room
Renovations

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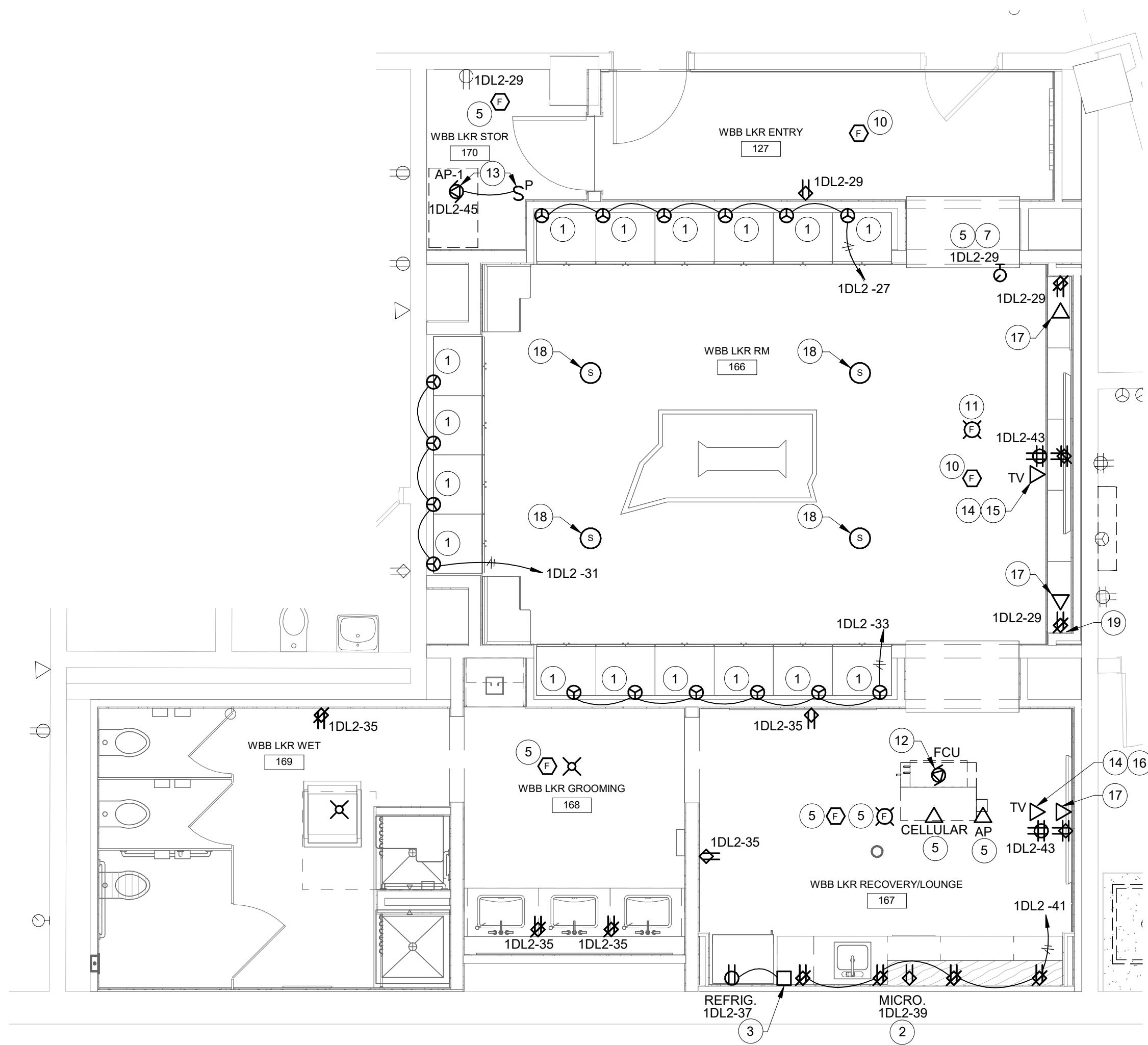
- WORK TO BE REMOVED
- WORK TO REMAIN
- WORK TO BE INSTALLED

GENERAL NOTES:

- REFER TO SHEET E-001.1 FOR ADDITIONAL GENERAL NOTES.
- VERIFY COLOR OF WALL AND CEILING DEVICES, AND COVERPLATES WITH ARCHITECT.
- SEE DRAWING E-101 FOR ROOM LOCATION AND ELECTRICAL PANEL LOCATIONS.
- TELECOM CABLES TO BE SERVED FROM TR02. SEE DRAWING E-101.

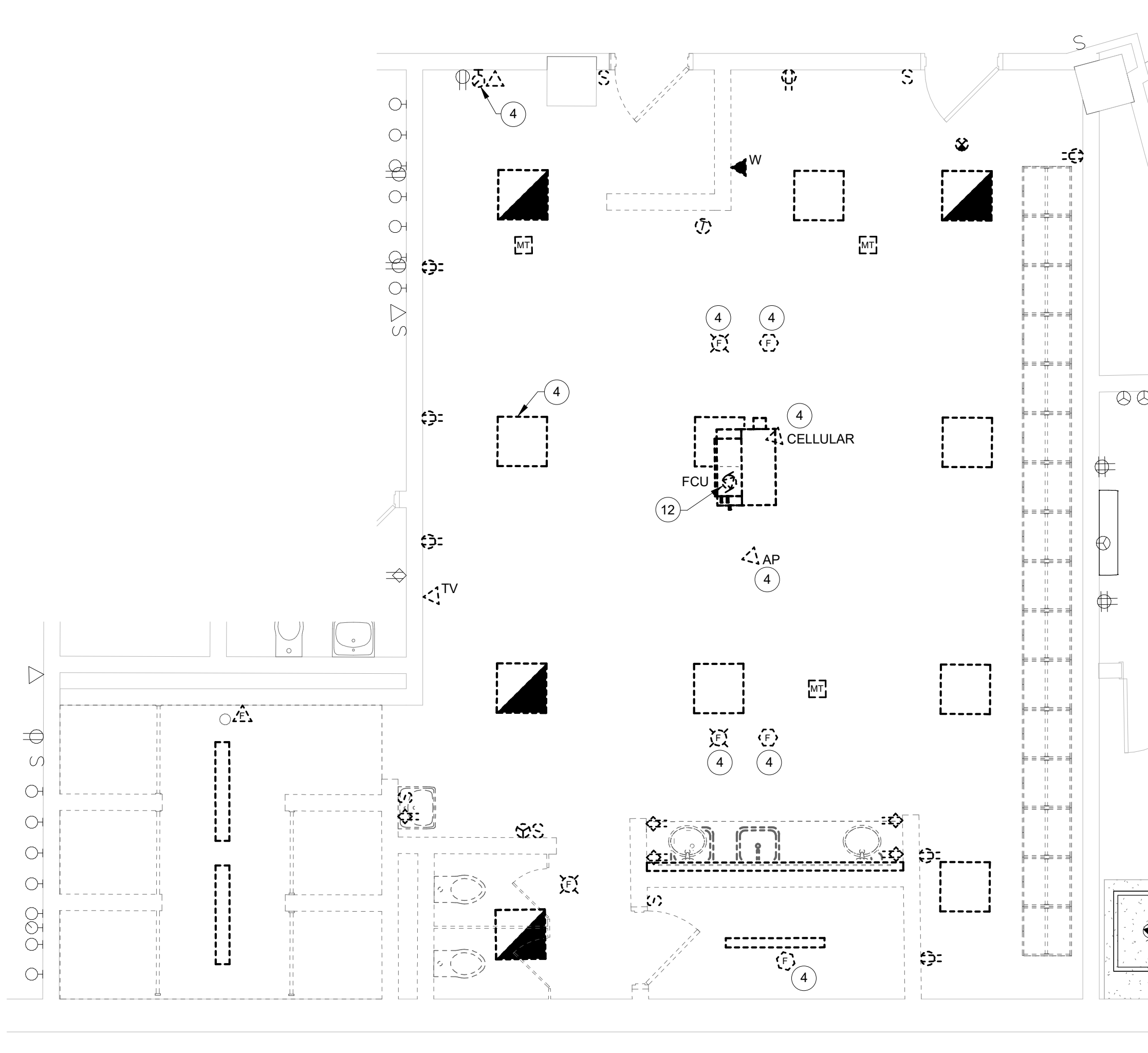
PLAN NOTES:

- LOCKER POWER CONNECTION. COORDINATE IN FIELD WITH LOCKER INSTALLER.
- COORDINATE WITH CASEWORK.
- CONNECT REFRIGERATOR RECEPTACLE TO LOAD SIDE OF BLANK FACE GFCI RECEPTACLE AND CONNECT TO CIRCUIT SHOWN. MOUNT GFCI AT COUNTER HEIGHT.
- SALVAGE FOR REINSTALLATION.
- REINSTALL SALVAGED FIXTURE.
- CONNECT TO LOGO SIGNAGE. COORDINATE IN FIELD.
- PROVIDE 120V CIRCUIT INDICATED AND NEMA L5-20R RECEPTACLE FOR EXISTING GAME CLOCK. RECONNECT TO SCOREBOARD CONTROLLER FOR SIGNAL. VERIFY LOCATION.
- INSTALL DRIVER(S) FOR TYPE 'F72,' 'F73,' AND 'F74' LIGHT FIXTURES ABOVE GWB CEILING. ACCESSIBLE FROM BELOW THROUGH ACT. SEE E001.1 FOR INFORMATION ON INSTALLATION.
- TWO GROUPS OF 2-GANG DIMMER SWITCHES, INSTALL ONE ABOVE THE OTHER.
- BLACK FINISH.
- RED FINISH.
- DISCONNECT POWER TO EXISTING FAN COIL UNIT AND RECONNECT TO RELOCATED UNIT AS REQUIRED.
- PROVIDE 120V CIRCUIT AND DISCONNECT SWITCH FOR AIR PURIFIER. PROVIDE SWITCH WITH PILOT LIGHT.
- PROVIDE RP VISUAL SOLUTIONS #RPWM-32MAXBF-XMS-UNV FLUSH IN-WALL FLAT PANEL MOUNTING SYSTEM. INSTALL WITH CENTER OF TELEVISION AT 5-FOOT, 6-INCHES AFF. VERIFY HEIGHT PRIOR TO ROUGH-IN. INSTALL POWER AND TELECOM IN MOUNTING SYSTEM. PROVIDE SCREENBEAM FLEX #SBWD1100F WIRELESS DISPLAY RECEIVER AND INSTALL BEHIND DISPLAY.
- PROVIDE LG #85QNE92AUA 85-INCH CLASS LG QNED EVO AI QNED92A MINI LED 4K SMART TV.
- PROVIDE LG #85QNE92AUA 85-INCH CLASS LG QNED EVO AI QNED92A MINI LED 4K SMART TV.
- PROVIDE 2 DATA CABLES AND HDMI LOCAL INPUT.
- PROVIDE ROSE 791 SERIES II IN-CEILING SPEAKER. PAINT GRILLE TO MATCH CEILING. CONNECT TO WI-FI AND/OR ETHERNET. COORDINATE WITH OWNER.
- PROVIDE ROSE MUSIC AMPLIFIER. AMPLIFIER TO SIT ON COUNTER NEAR RECEPTACLE AND DATA ON SIDE WALL SPACE.



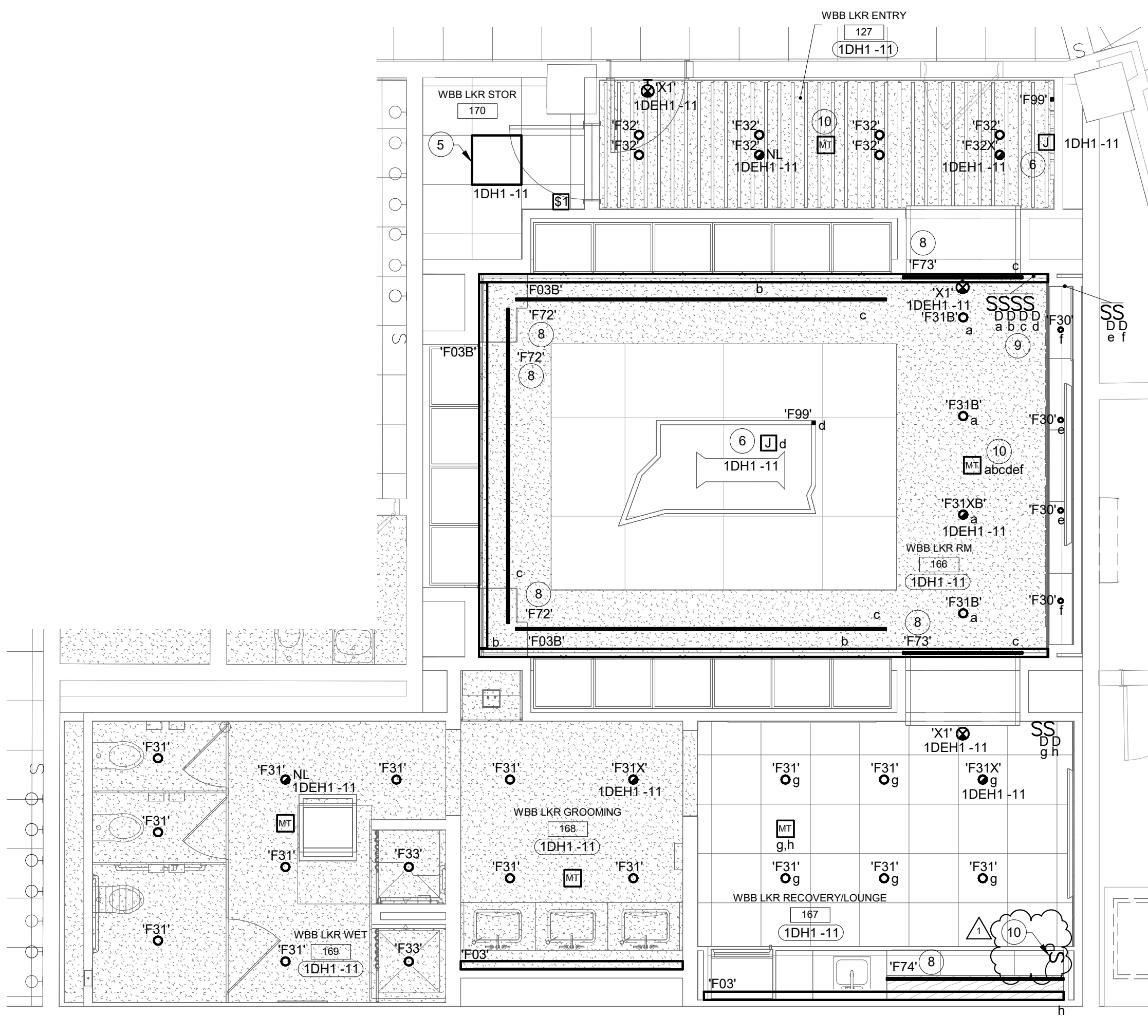
3 ENLARGED PLAN - WBB LOCKER ROOM - POWER AND SIGNAL

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



1 ENLARGED PLAN - WBB LOCKER ROOM - ELECTRICAL DEMOLITION

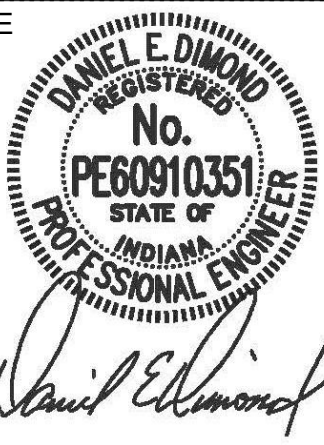
SCALE: 1/4" = 1'-0"



2 ENLARGED PLAN - WBB LOCKER ROOM - LIGHTING

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

SEAL | DATE



5/14/2026

SHEET ISSUE

1 ADDENDUM #01 06.01.2026

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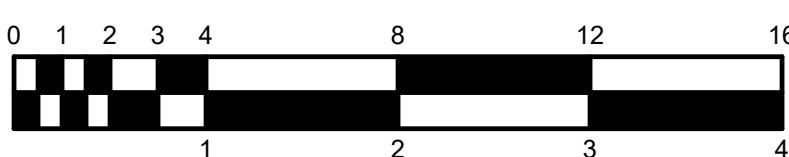
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PROJECT NO. 16028.000

SHEET TITLE
ENLARGED PLAN -
WBB LOCKER ROOM
- ELECTRICAL

SHEET NUMBER

E-402.1



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D&A #26012

LIGHT FIXTURE SCHEDULE - LOCKER RENOVATIONS

MARK	DESCRIPTION	MOUNTING	FIXTURE LOAD	QUANTITY/ TYPE	LAMP			VOLTS	MANUFACTURER(S)
					LOAD	TEMP.	LUMENS		
F03	PERIMETER RECESSED 2-INCH WIDE, 3-INCH REGRESS, FROSTED ACRYLIC LENS, WHITE FINISH, 0-10V DIMMING TO 10-PERCENT, VERIFY LENGTH IN FIELD PRIOR TO ORDERING.	RECESSED IN GWB	<varies>	LED	3W/FT	3500K	300/FT	277 V	NEO-RAY S122 SERIES
F03A	SAME AS FIXTURE TYPE 'F03,' EXCEPT GRID MOUNTED.	RECESSED IN GRID	<varies>	LED	3W/FT	3500K	300/FT	277 V	NULITE P2 SERIES
F03B	SAME AS FIXTURE TYPE 'F03,' EXCEPT BLACK FINISH.	RECESSED IN GWB	<varies>	LED	3W/FT	3500K	300/FT	277 V	
F30	OPEN ADJUSTABLE DOWNLIGHT, 1-INCH DIAMETER APERTURE, 55-DEGREE DISTRIBUTION, CLEAR SEMI-SPECULAR REFLECTOR, TRIMLESS MUD-IN, 0-10V DIMMING TO 10-PERCENT	RECESSED IN GWB	6	LED	6W	3500K	500	277 V	ALPHABET NU1 SERIES
F31	4-INCH DIAMETER DOWNLIGHT, 50-DEGREE DISTRIBUTION, MATTE CHROME TRIM, 0-10V DIMMING TO 10-PERCENT	RECESSED IN GWB	6	LED	6W	3500K	500	277 V	LUMINII MNO SERIES
F31B	SAME AS FIXTURE TYPE 'F31,' EXCEPT BLACK TRIM.	RECESSED IN GWB	6	LED	6W	3500K	500	277 V	ALPHABET NU4 SERIES
F31X	SAME AS FIXTURE TYPE 'F31,' EXCEPT PROVIDE AUTOMATIC LOAD CONTROL RELAY (ALCR)	RECESSED IN GWB	6	LED	6W	3500K	500	277 V	PORTFOLIO LD4C SERIES
F31XB	SAME AS FIXTURE TYPE 'F31B,' EXCEPT PROVIDE AUTOMATIC LOAD CONTROL RELAY (ALCR)	RECESSED IN GWB	6	LED	6W	3500K	500	277 V	LUMINII KS SERIES
F32	4-INCH DIAMETER CYLINDER WITH 3/4-INCH DROP CIRCULAR RING, 6-INCH NOMINAL HEIGHT, MEDIUM DISTRIBUTION, BLACK HOUSING, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	6	LED	6W	3500K	500	277 V	ALPHABET BETA 4R SERIES
F32X	SAME AS F32, EXCEPT PROVIDE AUTOMATIC LOAD CONTROL RELAY (ALCR).	SUSPENDED	6	LED	6W	3500K	500	277 V	LUMENWERX FL3GRCSY SERIES
F33	4-INCH DIAMETER DOWNLIGHT, LENSED, WET LOCATION LISTED, MATTE CHROME TRIM.	RECESSED IN GWB	6	LED	6W	3500K	500	277 V	
F72	ALUMINUM EXTRUSION AND LED TAPE, PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION. MOUNT TO UNDERSIDE OF KICK SPACE. COORDINATE WITH MILLWORK.	SURFACE	<varies>	LED	1W/FT	3500K	100/FT	277 V	ALPHABET NU4 SERIES
F73	ALUMINUM EXTRUSION AND LED TAPE, PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION. MOUNT TO BACK SIDE OF DOOR REVEAL - TOP AND TWO SIDES. COORDINATE WITH ARCHITECTURAL DETAILING.	SURFACE	<varies>	LED	1W/FT	3500K	100/FT	277 V	PORTFOLIO LD4C SERIES
F74	ALUMINUM EXTRUSION AND LED TAPE, PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION. MOUNT TO UNDERSIDE OF LOWER WALL SHELF. COORDINATE WITH ARCHITECTURAL DETAILING.	SURFACE	7	LED	1W/FT	3500K	100/FT	277 V	LUMINII KS SERIES
F99	CUSTOM SHAPE LIT LOGO, LINER/TAPE, NOMINAL 2-INCH LENS, 3/4-INCH THICK ALUMINUM EXTRUSION, 0-10V DIMMING, PROVIDE LAYOUT DRAWING FOR ARCHITECTS REVIEW PRIOR TO ORDERING FIXTURE.	SURFACE CEILING/ SURFACE WALL	30	LED	30W	3500K	2000	277 V	KLUS MICRO-PLUS SERIES
X1	CAST ALUMINUM EXIT SIGN, BLACK FACE, BLACK HOUSING, SELF POWERED, SELF DIAGNOSTIC.	UNIVERSAL	4	LED	4W	RED	N/A	277 V	PRECISE LED CUSTOM LUMINII CUSTOM
									DUAL-LITE SE SERIES SURE-LITES CX SERIES

NOTE:

PROVIDE 10-YEAR WARRANTY ON ALL LIGHTING FIXTURES.

PANEL SCHEDULE

PANEL # : 1DEH1				TYPE :		SERVICE : 480/277 Wye		AMP : 100 A		MAIN : MLO		MOUNTING : SURFACE															
CKT	DESCRIPTION			AMP	POLE	A	B	C	POLE	AMP	DESCRIPTION			CKT													
1	SPARE			20 A	1	0 / 0			1	20 A	SPARE			2													
3	SPARE			20 A	1		0 / 0		1	20 A	SPARE			4													
5	SPARE			20 A	1			0 / 0	1	20 A	SPARE			6													
7	LTG. - DOCK, EMPLOYEE LOCKER			20 A	1	2167 / 316			1	20 A	NORTH SIDE LIGHTING			8													
9	LIGHTING - INNER LOCKERS, CORRIDOR			20 A	1		784 / 0		1	20 A	SPARE			10													
11	LIGHTING - OUTER LOCKERS			20 A	1			1595 / 0	1	20 A	SPARE			12													
13	LIGHTING - NORTH-EAST STORAGE			20 A	1	1692 / 0			1	20 A	SPARE			14													
15	LIGHTING - NORTH STORAGE, NORTH CORRIDOR			20 A	1		1452 / 0		1	20 A	SPARE			16													
17	EDBK - VOMITORY - UNIT 'D'			20 A	1			400 / 0	1	20 A	SPARE			18													
19	SPARE			20 A	1	0 / 0			1	20 A	SPARE			20													
21	SPARE			20 A	1		0 / 0		1	20 A	SPARE			22													
23	SPARE			20 A	1			0 / 0	1	20 A	SPARE			24													
25	SPARE			20 A	1	0 / 830					PUH-B			26													
27	SPARE			20 A	1		0 / 830		3	20 A	1 1/2 HP			28													
29	SPARE			20 A	1			0 / 830			LOADING DOCK			30													
TOTALS:						5005 VA	3067 VA			2825 VA																	
TOTAL CONNECTED LOAD (VA): 10897 VA														TOTAL CONNECTED LOAD (AMPS): 13 A													
REMARKS: EXISTING PANELBOARD, 20-INCHES WIDE, INTEGRAL SPD, 65KAIC. NEW/MODIFIED CIRCUITS IN BOLD.																											

PANEL SCHEDULE

PANEL # : 1DEH1				TYPE : EMERG. LIFE SAFETY		SERVICE : 480/277 Wye		AMP : 225 A		MAIN : MLO		MOUNTING : SURFACE	
CKT	DESCRIPTION	AMP	POLE	A	B	C	POLE	AMP	DESCRIPTION	CKT			
1	SPARE	20 A	1	0 / 0			1	20 A	SPARE	2			
3	SPARE	20 A	1		0 / 0		1	20 A	SPARE	4			
5	SPARE	20 A	1			0 / 0	1	20 A	SPARE	6			
7	LTG. - EMERG. - AREA D STAIR TO CONCOURSE LEVEL	20 A	1	260 / 300			1	20 A	LIGHTING CONTACTOR 'LC-A-E'	8			
9	LTG. - EMERG. INNER LOCKERS, CORRIDOR	20 A	1		332 / 44		1	20 A	NORTH ENTRANCE EGRESS LIGHTING	10			
11	LTG. - EMERG. - OUTER LOCKERS	20 A	1			327 / 400	1	20 A	EAST SIDE EGRESS LIGHTING	12			
13	LTG. - EMERG. NORTH CORR. STOR. TELCO	20 A	1	931 / 300			1	20 A	NORTH SIDE EGRESS LIGHTING	14			
15	SPARE	20 A	1		0 / 0		1	20 A	SPARE	16			
17	SPARE	20 A	1			0 / 0	1	20 A	SPARE	18			
19	SPARE	20 A	1	0 / 961						20			
21	SPARE	20 A	1		0 / 372		3	100 A	PANELBOARD '3DEH1'	22			
23	SPARE	20 A	1			0 / 0				24			
25	SPARE	20 A	1	0 / 7144					T-1D-E	26			
27	SPARE	20 A	1		0 / 8145		3	125 A	TO	28			
29	EMERG. LIGHTING VOMITORY N.E.	20 A	1			165 / 808			IDEL1 (TELECOM PANEL), 3DE1	30			
TOTALS:				10096 VA	8896 VA	8960 VA							
TOTAL CONNECTED LOAD (VA): 27952 VA										TOTAL CONNECTED LOAD (AMPS): 34 A			
REMARKS: EXISTING PANELBOARD, 20-INCHES WIDE, INTEGRAL SPD, 65KAIC. NEW/MODIFIED CIRCUITS IN BOLD.													

PANEL SCHEDULE

PANEL # : 1DL2				TYPE :		SERVICE : 120/208 Wye		AMP : 225 A		MAIN : MLO		MOUNTING : SURFACE	
CKT	DESCRIPTION	AMP	POLE	A	B	C	POLE	AMP	DESCRIPTION	CKT			
1	SPARE	20 A	1	0 / 0			1	20 A	SPARE	2			
3	SPARE	20 A	1		0 / 0		1	20 A	SPARE	4			
5	SPARE	20 A	1			0 / 0	1	20 A	SPARE	6			
7	FAN COIL (FC-D) INNER LOCKER ROOM NORTH	20 A	1	600 / 1166			1	20 A	RECEPT & TRACK LTS. OFFICIALS LOCKER RM. N.	8			
9	FAN COIL (FC-D) INNER LOCKER ROOM SOUTH	20 A	1		600 / 2050		1	20 A	RECEPT & TRACK LTS. OFFICIALS LOCKER RM. MID	10			
11	FAN COIL (FC-E) MEDIA ROOM	20 A	1			636 / 1166	1	20 A	RECEPT & TRACK LTS. OFFICIALS LOCKER RM. S.	12			
13	FAN COIL (FC-C) OFFICIALS LOCKER ROOM SOUTH	20 A	1	600 / 900			1	20 A	NORTH TV RECEPT - MEDIA ROOM	14			
15	FAN COIL (FC-C) OFFICIALS LOCKER ROOM MID	20 A	1		600 / 540		1	20 A	RECEPT S. WALL - MEDIA ROOM	16			
17	FAN COIL (FC-C) OFFICIALS LOCKER ROOM NORTH	20 A	1			600 / 360	1	20 A	RECEPT NORTHEAST - MEDIA ROOM	18			
19	FAN COIL (FC-E) WOMEN'S VARSITY LOCKER	20 A	1	636 / 480			1	20 A	QUAD RECEPT S. WALL - MEDIA ROOM	20			
21	VAV TRANSFORMER CORRIDOR	20 A	1		900 / 900		1	20 A	SOUTH TV RECEPT - MEDIA RM.	22			
23	RECEPTS INNER LOCKER ROOMS	20 A	1			1260 / 720	1	20 A	WIREDOLD RECEPT N. WALL - MEDIA ROOM	24			
25	RECEPTS LOCKER CORRIDOR	20 A	1	540 / 720			1	20 A	WIREDOLD RECEPT N. WALL - MEDIA ROOM	26			
27	LOCKER BUILT-IN RECEPTS - WBB LKR RM 166	20 A	1		1080 / 360		1	20 A	RECEPT W. WALL - MEDIA ROOM	28			
29	RECEPT W. WALL - WOMEN'S VARSITY LOCKER	20 A	1			900 / 102	1	20 A	LIGHTING - TRACK LIGHTS MEDIA ROOM	30			
31	LOCKER BUILT-IN RECEPTS - WBB LKR RM 166	20 A	1	720 / 3122						32			
33	LOCKER BUILT-IN RECEPTS - WBB LKR RM 166	20 A	1		1080 / 3122		3	40 A	BATTERY CHARGER (EXISTING)	34			
35	RECEPT WBB LOCKER SHOWER, GROOM, LOUNGE	20 A	1			900 / 3122				36			
37	REFRIG. WBB LKR RECOVERY/LOUNGE 167	20 A	1	480 / 0						38			
39	MICRO. WBB LKR RECOVERY/LOUNGE 167	20 A	1		1200 / 0		3	40 A	BATTERY CHARGER (NEW)	40			
41	COUNTERTOP WBB LKR RECOVERY/LOUNGE 167	20 A	1			720 / 0				42			
43	TVS WBB LKR 166, RECOVERY/LOUNGE 167	20 A	1	1260 / 0			1	20 A	SPARE	44			
45	AP-1 AIR PURIFIER - WBB LOCKER	20 A	1		924 / 0		1	20 A	SPARE	46			
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48			
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50			
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52			
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54			
TOTALS:				11424 VA	13356 VA	10486 VA							
TOTAL CONNECTED LOAD (VA): 35267 VA				TOTAL CONNECTED LOAD (AMPS): 98 A									
REMARKS: EXISTING PANELBOARD, 28-INCHES WIDE, INTEGRAL SPD, 22KAIC. NEW/MODIFIED CIRCUITS IN BOLD.													

PANEL SCHEDULE

PANEL # : 1AL2				SERVICE : 120/208 Wye			AMP : 225 A			MAIN : MLO			MOUNTING : SURFACE				
CKT	DESCRIPTION	AMP	POLE	A	B	C	POLE	AMP	DESCRIPTION	CKT							
1	SPARE	20 A	1	0 / 0			1	20 A	SPARE	2							
3	SPARE	20 A	1		0 / 0		1	20 A	SPARE	4							
5	SPARE	20 A	1			0 / 0	1	20 A	SPARE	6							
7	FAN COIL (FC-D) INNER LOCKER ROOM SOUTH	20 A	1	600 / 900			1	20 A	SOUTH RECEPTS TRAINING ROOM	8							
9	FAN COIL (FC-D) INNER LOCKER ROOM NORTH	20 A	1		600 / 720		1	20 A	NORTH RECEPTS TRAINING ROOM	10							
11	FAN COIL (FC-C) TRAINING ROOM	20 A	1			600 / 360	1	20 A	COUNTERTOP RECEPTS TRAINING ROOM	12							
13	FAN COIL (FC-A) MEN'S VARSITY LOCKER	20 A	1	1188 / 1800			1	20 A	TV RECEPT TRAINING ROOM	14							
15	VAV TRANSFORMER - CORRIDOR	20 A	1		1440 / 1500		1	20 A	ICE MACHINE - TRAINING ROOM	16							
17	RECEPTS INNER LOCKER ROOMS	20 A	1			1170 / 500	1	20 A	X-RAY VIEWER - TRAINING ROOM	18							
19	RECEPTS LOCKER CORRIDOR	20 A	1	360 / 1080			1	20 A	EAST AREA UNDER BOWL SEATING	20							
21	RECEPTS MEN'S VARSITY LOCKER TOILETS	20 A	1		540 / 480		1	20 A	VIP BEVERAGE COOLER, COUNTER RECEPT.	22							
23	RECEPT MBB LKR RECOVERY 122	20 A	1			1440 / 500	1	20 A	VIP COUNTER RECEPT.	24							
25	REFRIG. MBB LKR LOUNGE 121	20 A	1	680 / 480					VIP BEVERAGE COOLER, COUNTER RECEPT.	26							
27	NORTH RECEPTS MEN'S VARSITY LOCKER	20 A	1		720 / 500				VIP COUNTER RECEPT.	28							
29	COUNTERTOP RECEPTS MBB LKR LOUNGE 121	20 A	1			720 / 480	1	20 A	VIP BEVERAGE COOLER, COUNTER RECEPT.	30							
31	RECEPTS COACHES LOCKER ROOM	20 A	1	540 / 500			1	20 A	VIP COUNTER RECEPT.	32							
33	TV RECEPT COACHES LOCKER ROOM	20 A	1		900 / 480		1	20 A	VIP BEVERAGE COOLER, COUNTER RECEPT.	34							
35						5750 / 500			VIP COUNTER RECEPT.	36							
37	FORKLIFT BATTERY CHARGER (SOUTH END)	40 A	3	5757 / 480			1	20 A	VIP BEVERAGE COOLER, COUNTER RECEPT.	38							
					5757 / 500			1	VIP COUNTER RECEPT.	40							
41	LOCKER BUILT-IN RECEPTS - MBB LKR RM 120	20 A	1			1080 / 480	1	20 A	VIP BEVERAGE COOLER, COUNTER RECEPT.	42							
43	LOCKER BUILT-IN RECEPTS - MBB LKR RM 120	20 A	1	720 / 500			1	20 A	VIP COUNTER RECEPT.	44							
45	LOCKER BUILT-IN RECEPTS - MBB LKR RM 120	20 A	1		1080 / 360		1	20 A	RECEPT - VIP WALKBOXES	46							
47	MICROWAVE MBB LKR LOUNGE 121	20 A	1			1200 / 360	1	20 A	RECEPT - VIP WALKBOXES	48							
49	TVS - MBB LOCKER 120, LOUNGE 121	20 A	1	1080 / 360			1	20 A	RECEPT - VIP WALKBOXES	50							
51	AP-1 AIR PURIFIER - MBB LOCKER	20 A	1		624 / 2400				RECEPT - VIP WALKBOXES	52							
53	SPARE	20 A	1			0 / 2400	2	20 A		54							
TOTALS :				17425 VA			19841 VA			17947 VA							
TOTAL CONNECTED LOAD (VA) :				55212 VA										TOTAL CONNECTED LOAD (AMPS) :		153 A	
REMARKS:																	
EXISTING PANELBOARD, 28 INCHES WIDE, INTEGRAL SPD, 22KAC, PROVIDED WITH TRM LOCK, KEYPAD ALIKE WITH ADJACENT PANELBOARDS. NEW/MODIFIED CIRCUITS IN BOLD.																	

BIDDING QUESTIONS LOG

PROJECT NAME	ISU Hulman Center Premium Seating / Locker and Restrooms
PROJECT NUMBER	26029

ITEM	CURRENT STATUS	WHO	SHEET/SPEC	RFS	QUESTION	RESPONSE	DUE DATE	ADDENDUM
001	OPEN	ARCH	TOC		Will Addendum #1 provide a specification table of contents for each project (Premium Seating #B0028749 project and Locker Room Reno #B0028750 project) along with applicable alternates for each project including but not limited to allowances and/or unit prices if applicable?	The project manual for both projects is combined into a single manual. Individual TOCs will be provided in Addendum 01, within the singular project manual. Alternates and allowances are identified independently within the given sections (updated in Addendum 01). Unit prices are not applicable for these projects.		ADD01
002	OPEN	ARCH	Front End		It looks like both projects still have verbiage from the "Hines and Jones Renovation" project. The spec section is calling for 9 alternates while the bid form only lists 5. Which is correct?	The alternates specification is being updated in Addendum 01. Document issued for this section accidentally carried over content from a previous project.		ADD01
003	OPEN	ARCH	General		Both sets of specifications contain the Locker Room Reno and Premium Seating bid forms. Please advise if the bids will be a combined package or separate.	Bids are to be submitted separately on separate dates and times. The corrected Notice to Bidders as issued in Addendum 01 identifies dates and times.		ADD01
004	OPEN	ARCH	Allowances		The allowance schedule does not list a dollar value for either. Please confirm if these allowance amounts are up to the GCs discretion.	The allowances section as issued is being corrected in Addendum 01.		ADD01
005	OPEN	ARCH	G-002		It appears that the 'drawing index' on sheet G-002.1 doesn't coincide with the plans for the premium seating project. Please advise.	It appears the structural drawings did not index properly, but the remaining is accurate. We will get those sheets added for the addendum. Thank you for flagging this.		ADD01
006	OPEN	ARCH	General		Please clarify who is responsible for providing and installing the loose barstools	This content is FFE.		
007	OPEN	ARCH	General		Please clarify who is responsible for providing and installing the under-counter refrigerator	This content will be installed via construction bid.		
008	OPEN	ARCH	General		Please clarify who is responsible for providing and installing the fixed audience seating referenced in specification section 12 61 00	This content will be installed via construction bid.		
009	OPEN	ARCH	General		Please clarify who is responsible for providing and installing the stage curtains	This content will be installed via construction bid.		
010	OPEN	ARCH	General		Please provide the anticipated timeline for this project	Work is to "begin on or about June 25, 2026 with all work substantially completed by October 16, 2026. This content is provided in the Instructions to Bidders. Please ref updates in Addendum 01.		ADD01

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Interior standard steel doors and frames if existing doors or frames are not re-usable.

1.2 DEFINITIONS

- A. Minimum Thickness: Minimum thickness of base metal without coatings in accordance with NAAMM-HMMA 803 or ANSI/SDI A250.8.

1.3 COORDINATION

- A. Coordinate anchorage installation for hollow-metal frames. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors. Deliver such items to Project site in time for installation.
- B. Coordinate requirements for installation of door hardware, electrified door hardware, and access control and security systems.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, core descriptions, fire-resistance ratings, temperature-rise ratings, and finishes.

B. Shop Drawings: Include the following:

1. Elevations of each door type.
2. Details of doors, including vertical- and horizontal-edge details and metal thicknesses.
3. Frame details for each frame type, including dimensioned profiles and metal thicknesses.
4. Locations of reinforcement and preparations for hardware.
5. Details of each different wall opening condition.
6. Details of electrical raceway and preparation for electrified hardware, access control systems, and security systems.

7. Details of anchorages, joints, field splices, and connections.
8. Details of accessories.
9. Details of moldings, removable stops, and glazing.

C. Samples for Verification:

1. Finishes: For each type of exposed finish required, prepared on Samples of not less than 3 by 5 inches.
2. Fabrication: Prepare Samples approximately 12 by 12 inches to demonstrate compliance with requirements for quality of materials and construction:
 - a. Doors: Show vertical-edge, top, and bottom construction; core construction; and hinge and other applied hardware reinforcement. Include separate section showing glazing if applicable.
 - b. Frames: Show profile, corner joint, floor and wall anchors, and silencers. Include separate section showing fixed hollow-metal panels and glazing if applicable.

D. Product Schedule: For hollow-metal doors and frames, prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings. Coordinate with final door hardware schedule.

1.5 CLOSEOUT SUBMITTALS

- A. Record Documents: For fire-rated doors, list of door numbers and applicable room name and number to which door accesses.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver hollow-metal doors and frames palletized, packaged, or crated to provide protection during transit and Project-site storage. Do not use nonvented plastic.
1. Provide additional protection to prevent damage to factory-finished units.
- B. Deliver welded frames with two removable spreader bars across bottom of frames, tack welded to jambs and mullions.
- C. Store hollow-metal doors and frames vertically under cover at Project site with head up. Place on minimum 4-inch-high wood blocking. Provide minimum 1/4-inch space between each stacked door to permit air circulation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Curries, AADG, Inc.; ASSA ABLOY Group.
2. Karpen Steel Custom Doors & Frames.
3. LaForce, LLC.
4. MPI Group, LLC (The).
5. Mesker Door; Mesker Openings Group.
6. Pioneer Industries; AADG, Inc.; ASSA ABLOY.
7. Republic Doors and Frames; a Allegion brand.
8. Steelcraft; Allegion plc.
9. Stiles Custom Metal, Inc.

2.2 INTERIOR STANDARD STEEL DOORS AND FRAMES

- A. Construct hollow-metal doors and frames to comply with standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.
- B. Heavy-Duty Doors and Frames: ANSI/SDI A250.8, Level 2; ANSI/SDI A250.4, Level B. At locations indicated in the Door and Frame Schedule.
 1. Doors:
 - a. Type: As indicated in the Door and Frame Schedule.
 - b. Thickness: 1-3/4 inches.
 - c. Face: Uncoated steel sheet, minimum thickness of 0.042 inch.
 - d. Edge Construction: Model 2, Seamless.
 - e. Core: Manufacturer's standard.
 - f. Fire-Rated Core: Manufacturer's standard laminated mineral board core for fire-rated and temperature-rise-rated doors.
 2. Frames:
 - a. Materials: Uncoated steel sheet, minimum thickness of 0.053 inch.
 - b. Sidelite Frames: Fabricated from same thickness material as adjacent door frame.
 - c. Construction: Full profile welded.
 3. Exposed Finish: Prime.

2.3 FRAME ANCHORS

- A. Jamb Anchors:
 1. Type: Anchors of minimum size and type required by applicable door and frame standard, and suitable for performance level indicated.
 2. Quantity: Minimum of three anchors per jamb, with one additional anchor for frames with no floor anchor. Provide one additional anchor for each 24 inches of frame height above 7 feet.

3. Postinstalled Expansion Anchor: Minimum 3/8-inch-diameter bolts with expansion shields or inserts, with manufacturer's standard pipe spacer.
- B. Floor Anchors: Provide floor anchors for each jamb and mullion that extends to floor.
- C. Floor Anchors for Concrete Slabs with Underlayment: Adjustable-type anchors with extension clips, allowing not less than 2-inch height adjustment. Terminate bottom of frames at top of underlayment.
- D. Material: ASTM A879/A879M, Commercial Steel (CS), 04Z coating designation; mill phosphatized.
 1. For anchors built into exterior walls, steel sheet complying with ASTM A1008/A1008M or ASTM A1011/A1011M; hot-dip galvanized in accordance with ASTM A153/A153M, Class B.

2.4 MATERIALS

- A. Cold-Rolled Steel Sheet: ASTM A1008/A1008M, Commercial Steel (CS), Type B; suitable for exposed applications.
- B. Hot-Rolled Steel Sheet: ASTM A1011/A1011M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects; pickled and oiled.
- C. Inserts, Bolts, and Fasteners: Hot-dip galvanized in accordance with ASTM A153/A153M.
- D. Power-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory devices for attaching hollow-metal frames of type indicated.
- E. Mineral-Fiber Insulation: ASTM C665, Type I (blankets without membrane facing); consisting of fibers manufactured from slag or rock wool; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively; passing ASTM E136 for combustion characteristics.
- F. Glazing: Comply with requirements in Section 088000 "Glazing."

2.5 FABRICATION

- A. Door Astragals: Provide overlapping astragal on one leaf of pairs of doors where required by NFPA 80 for fire-performance rating or where indicated. Extend minimum 3/4 inch beyond edge of door on which astragal is mounted or as required to comply with published listing of qualified testing agency.
- B. Hollow-Metal Frames: Fabricate in one piece except where handling and shipping limitations require multiple sections. Where frames are fabricated in sections, provide alignment plates or angles at each joint, fabricated of metal of same or greater thickness as frames.

1. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated.
 2. Door Silencers: Except on weather-stripped frames, drill stops to receive door silencers as follows. Keep holes clear during construction.
 - a. Single-Door Frames: Drill stop in strike jamb to receive three door silencers.
 - b. Double-Door Frames: Drill stop in head jamb to receive two door silencers.
- C. Hardware Preparation: Factory prepare hollow-metal doors and frames to receive templated mortised hardware, and electrical wiring; include cutouts, reinforcement, mortising, drilling, and tapping in accordance with ANSI/SDI A250.6, the Door Hardware Schedule, and templates.
1. Reinforce doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.
 2. Comply with BHMA A156.115 for preparing hollow-metal doors and frames for hardware.
- D. Glazed Lites: Provide stops and moldings around glazed lites where indicated. Form corners of stops and moldings with mitered hairline joints.
1. Provide stops and moldings flush with face of door, and with beveled stops unless otherwise indicated.
 2. Multiple Glazed Lites: Provide fixed and removable stops and moldings so that each glazed lite is capable of being removed independently.
 3. Provide fixed frame moldings on outside of exterior and on secure side of interior doors and frames. Provide loose stops and moldings on inside of hollow-metal doors and frames.
 4. Coordinate rabbet width between fixed and removable stops with glazing and installation types indicated.
 5. Provide stops for installation with countersunk flat- or oval-head machine screws spaced uniformly not more than 9 inches o.c. and not more than 2 inches o.c. from each corner.

2.6 STEEL FINISHES

- A. Prime Finish: Clean, pretreat, and apply manufacturer's standard primer.
1. Shop Primer: Manufacturer's standard, fast-curing, lead- and chromate-free primer complying with ANSI/SDI A250.10; recommended by primer manufacturer for substrate; compatible with substrate and field-applied coatings despite prolonged exposure.
- B. Factory Finish: Clean, pretreat, and apply manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat, complying with ANSI/SDI A250.3.
1. Color and Gloss: As selected by Architect from manufacturer's full range.

2.7 LOUVERS

- A. Provide louvers for interior doors, where indicated, which comply with SDI 111, with blades or baffles formed of 0.020-inch-thick, cold-rolled steel sheet set into 0.032-inch-thick steel frame.
 - 1. Sightproof Louver: Stationary louvers constructed with inverted-V or inverted-Y blades.
 - 2. Lightproof Louver: Stationary louvers constructed with baffles to prevent light from passing from one side to the other.
- B. Form corners of moldings with hairline joints. Provide fixed frame moldings on outside of exterior and on secure side of interior doors and frames.

PART 3 - EXECUTION**3.1 PREPARATION**

- A. Remove welded-in shipping spreaders installed at factory. Restore exposed finish by grinding, filling, and dressing, as required to make repaired area smooth, flush, and invisible on exposed faces. Touch up factory-applied finishes where spreaders are removed.
- B. Drill and tap doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.

3.2 INSTALLATION

- A. Install hollow-metal doors and frames plumb, rigid, properly aligned, and securely fastened in place. Comply with approved Shop Drawings and with manufacturer's written instructions.
- B. Hollow-Metal Frames: Comply with ANSI/SDI A250.11.
 - 1. Set frames accurately in position; plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces without damage to completed Work.
 - a. Where frames are fabricated in sections, field splice at approved locations by welding face joint continuously; grind, fill, dress, and make splice smooth, flush, and invisible on exposed faces. Touch-up finishes.
 - b. Install frames with removable stops located on secure side of opening.
 - 2. Fire-Rated Openings: Install frames in accordance with NFPA 80.
 - 3. Floor Anchors: Secure with postinstalled expansion anchors.

- a. Floor anchors may be set with power-actuated fasteners instead of postinstalled expansion anchors if so indicated and approved on Shop Drawings.
4. Solidly pack mineral-fiber insulation inside frames.
5. Masonry Walls: Coordinate installation of frames to allow for solidly filling space between frames and masonry with grout or mortar.
6. In-Place Concrete or Masonry Construction: Secure frames in place with postinstalled expansion anchors. Countersink anchors, and fill and make smooth, flush, and invisible on exposed faces.
7. Installation Tolerances: Adjust hollow-metal frames to the following tolerances:
 - a. Squareness: Plus or minus 1/16 inch, measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
 - b. Alignment: Plus or minus 1/16 inch, measured at jambs on a horizontal line parallel to plane of wall.
 - c. Twist: Plus or minus 1/16 inch, measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
 - d. Plumbness: Plus or minus 1/16 inch, measured at jambs at floor.
- C. Hollow-Metal Doors: Fit and adjust hollow-metal doors accurately in frames, within clearances specified below.
 1. Non-Fire-Rated Steel Doors: Comply with ANSI/SDI A250.8.
 2. Fire-Rated Doors: Install doors with clearances in accordance with NFPA 80.
 3. Smoke-Control Doors: Install doors in accordance with NFPA 105.
- D. Glazing: Comply with installation requirements in Section 088000 "Glazing" and with hollow-metal manufacturer's written instructions.

3.3 REPAIR

- A. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying, rust-inhibitive primer.
- B. Metallic-Coated Surface Touchup: Clean abraded areas and repair with galvanizing repair paint according to manufacturer's written instructions.
- C. Factory-Finish Touchup: Clean abraded areas and repair with same material used for factory finish according to manufacturer's written instructions.
- D. Touchup Painting: Cleaning and touchup painting of abraded areas of paint are specified in painting Sections.

END OF SECTION 081113

SECTION 083113 - ACCESS DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Access doors and frames.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details material descriptions, dimensions of individual components and profiles, and finishes.
- B. Product Schedule: For access doors and frames.

PART 2 - PRODUCTS

2.1 ACCESS DOORS AND FRAMES

- 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ACUDOR Products, Inc.
 - b. Babcock-Davis.
 - c. JL Industries; Activar Construction Products Group, Inc.
 - d. Karp Associates, Inc.
 - e. Milcor by Duravent; Duravent Group.
 - f. Nystrom, Inc.
- 2. Description: Door face recessed 5/8 inch for gypsum board infill; with concealed flange for gypsum board installation and concealed hinge.
- 3. Locations: Ceiling.
- 4. Uncoated Steel Sheet for Door: Nominal 0.060 inch, 16 gage, factory primed.
- 5. Latch and Lock: Latch bolt, key operated.

2.2 MATERIALS

- A. Steel Plates, Shapes, and Bars: ASTM A36/A36M.

- B. Steel Sheet: Uncoated or electrolytic zinc coated, ASTM A879/A879M, with cold-rolled steel sheet substrate complying with ASTM A1008/A1008M, Commercial Steel (CS), exposed.
- C. Frame Anchors: Same material as door face.
- D. Inserts, Bolts, and Anchor Fasteners: Hot-dip galvanized steel according to ASTM A153/A153M or ASTM F2329.

2.3 FABRICATION

- A. General: Provide access door and frame assemblies manufactured as integral units ready for installation.
- B. Doors and Frames: Grind exposed welds smooth and flush with adjacent surfaces. Furnish mounting holes, attachment devices and fasteners of type required to secure access doors to types of supports indicated.
 - 1. For concealed flanges with drywall bead, provide edge trim for gypsum panels securely attached to perimeter of frames.
- C. Recessed Access Doors: Form face of panel to provide recess for application of applied finish. Reinforce panel as required to prevent buckling. Provide access sleeves for each latch operator and install in holes cut through finish.
- D. Latch and Lock Hardware:
 - 1. Quantity: Furnish number of latches and locks required to hold doors tightly closed.
 - 2. Keys: Furnish two keys per lock and key all locks alike.
 - 3. Mortise Cylinder Preparation: Where indicated, prepare door panel to accept cylinder specified, matching University standard keying system

2.4 FINISHES

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
 - 1. Factory Primed: Apply manufacturer's standard, lead- and chromate-free, universal primer immediately after surface preparation and pretreatment.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installing access doors and frames.

3.3 ADJUSTING

- A. Adjust doors and hardware, after installation, for proper operation.

END OF SECTION 083113

SECTION 084126.23 - INTERIOR ALL-GLASS ENTRANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Interior, manual-swinging, all-glass entrance systems.
- 2. **Interior, sliding glass doors and with fixed glass side panels.**

- B. Related Requirements:

- 1. Section 055000 "Metal Fabrications" for overhead-steel support for interior all-glass entrance systems.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

- 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for all-glass system.

- B. Shop Drawings: For interior all-glass entrance systems.

- 1. Include plans, elevations, and sections.
- 2. Include details of fittings, sliding door carrier assemblies and tracks, and glazing, including isometric drawings of fittings.
- 3. Include door hardware locations, mounting heights, and installation requirements.

- C. Samples for Verification: For each type of exposed finish indicated, prepared on Samples of sizes indicated below:

- 1. Metal Finishes: 6-inch- long sections of fittings, and other items.
- 2. Glass: 6 inches square, showing exposed-edge finish.
- 3. Door Hardware: For exposed door hardware of each type, in specified finish, full size.

- D. Door Hardware Schedule: Prepared by or under supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate final door hardware schedule with door components, assemblies, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data:

- 1. For Installer.
 - ~~2. For egress door inspector.~~
 - ~~a. Submit documentation of compliance with NFPA 101, Section 7.2.1.15.4.~~
 - ~~b. Submit copy of DHI's Fire and Egress Door Assembly Inspector (FDAI) certificate.~~

- B. Field quality-control reports.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For interior all-glass entrance systems to include in maintenance manuals. Furnish a complete set of specialized tools and maintenance instructions as required for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer for installation of units required for this Project.
- ~~B. Egress Door Inspector Qualifications: Inspector for field quality control inspections of egress door assemblies shall comply with qualifications set forth in NFPA 101, Section 7.2.1.15.4 and the following:~~
 - ~~1. DHI's Fire and Egress Door Assembly Inspector (FDAI) certification.~~
- C. Product Options: Information on Drawings and in Specifications establishes requirements for aesthetic effects and performance characteristics of assemblies. Aesthetic effects are indicated by dimensions, arrangements, alignment, and profiles of components and assemblies as they relate to sightlines, to one another, and to adjoining construction.
 - 1. Do not change intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If changes are proposed, submit comprehensive explanatory data to Architect for review.

1.7 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of interior all-glass entrance systems that do not comply with requirements or that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Deterioration of metals, metal finishes, and other materials beyond normal use.
 - b. Failure of operating components.
 - 2. Warranty Period: Two years from date of Substantial Completion for assembly and components unless otherwise indicated.
 - a. Concealed Floor Closers: Five years from date of Substantial Completion.

PART 2 - PRODUCTS**2.1 MANUFACTURERS**

- A. Source Limitations: Obtain all components of interior all-glass entrance systems, including accessories, from single manufacturer.

2.2 INTERIOR, MANUAL-SWINGING, ALL-GLASS ENTRANCE SYSTEMS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Avanti Systems, Inc.
 - 2. Oldcastle BuildingEnvelope.
 - 3. Trulite Glass & Aluminum Solutions, LLC.
 - 4. Virginia Glass Products Corporation.
 - 5. Basis of Design: CRL Blumcraft, 1301 Frameless Glass Entrance System.
- B. Fitting Configuration:
 - 1. Door Fittings: Patch fittings at head and sill on pivot side only (A-Style).
 - 2. Sidelight Fittings: Continuous rail fitting at top and bottom.
- C. Fitting Material: Aluminum.
- D. Accessory Fittings:
 - 1. Overhead doorstop.
 - 2. Center-housing lock.
 - 3. U-channel.

- E. Anchors and Fastenings: Concealed.
- F. Door Hardware: In sizes, quantities, and types recommended by manufacturer for interior all-glass entrance systems indicated. For exposed parts, match metal and finish of fittings.
 - 1. Concealed Floor Closers and Top Pivots: Center hung; ANSI/BHMA A156.4, Grade 1; including cases, bottom arms, top walking beam pivots, plates, and accessories required for complete installation.
 - 2. Swing: Single acting.
 - a. Positive Dead Stop: Coordinated with hold-open angle if any, or at angle selected.
 - 3. Hold Open: Automatic, at angle selected.
 - 4. Opening-Force Requirements:
 - a. Egress Doors: Not more than 15 lbf to release the latch and not more than 30 lbf to set the door in motion and not more than 15 lbf to open the door to its minimum required width.
 - b. Accessible Interior (Swinging) Doors: Not more than 5 lbf to fully open door.
 - 5. Concealed Overhead Holder: ANSI/BHMA A156.8, Grade 1, with dead-stop setting coordinated with concealed floor closer.
 - 6. Push-Pull Set: As selected from manufacturer's full range.
 - 7. Single-Door and Active-Leaf Locksets: Bottom-fitting or bottom-rail deadbolt .
 - 8. Deadbolt operated by key outside and key inside.
 - 9. Inactive-Leaf Locksets: Bottom-fitting or bottom-rail deadbolt.
 - a. Deadbolt operated by key outside and key inside.
 - 10. Cylinders: As specified in Section 087100 "Door Hardware."
 - 11. Exit Devices: UL 305.
 - a. Function: Operation by push-pull when inside operator is locked down (dogged); outside operation by key.
 - b. Latching: At threshold or floor plate.
 - c. Style: Exposed vertical rod Concealed vertical rod in housing style indicated.
 - d. Provide exit devices on both leaves of pairs of doors.
 - 12. Threshold: Not more than 1/2 inch high.

2.3 INTERIOR, SLIDING, ALL-GLASS ENTRANCE SYSTEMS

- A. **Manufacturers: Subject to compliance with requirements, provide products by one of the following:**

- 1. **Avanti Systems, Inc.**

2. Oldcastle BuildingEnvelope.
3. Trulite Glass & Aluminum Solutions, LLC.
4. Virginia Glass Products Corporation.
5. Basis of Design: CRL Blumcraft, 695 Series Drop Ceiling System.

B. Accessories:

1. Overhead Track Header: Continuous, square profile extruded aluminum, 2-1/2-inches square by length as required.
2. Bottom Sill: Continuous, square profile extruded aluminum.
3. Anchors: Series 300 stainless steel.

C. Fitting Material: Aluminum.

D. Accessory Fittings:

1. Overhead doorstop.
2. Center-housing lock.
3. U-channel.

E. Door Hardware: In sizes, quantities, and types recommended by manufacturer for interior all-glass entrance systems indicated. For exposed parts, match metal and finish of fittings.

1. Push-Pull Set: As selected from manufacturer's full range.

2.4 GLASS

- A. Glass: ASTM C1048, Kind FT (fully tempered), Condition A (uncoated surfaces), Type I (transparent), Quality-Q3, tested for surface and edge compression in accordance with ASTM C1048 and for impact strength in accordance with 16 CFR 1201 for Category II materials.

1. Class 1: Clear monolithic.
 - a. Thickness: 12 mm.
 - b. Locations: As indicated.
2. Exposed Edges: Machine ground and flat polished.
3. Butt Edges: Flat ground.
4. Corner Edges: Lap-joint corners with exposed edges polished.

2.5 MATERIALS

- A. Aluminum: ASTM B221 with strength and durability characteristics of not less than Alloy 6063-T5 for extruded bars, rods, profiles, and tubes. ASTM B209 for sheet and plate.

1. Clear Anodic Finish: AAMA 611, or thicker for interior exposure.

B. Structural Shapes, Plates, and Bars: ASTM A36/A36M.

2.6 FABRICATION

A. Provide holes and cutouts in glass to receive hardware, fittings, and accessory fittings before tempering glass. Do not cut, drill, or make other alterations to glass after tempering.

1. Fully temper glass using horizontal (roller-hearth) process, and fabricate so that when glass is installed, roll-wave distortion is parallel with bottom edge of door or lite.

B. Factory assemble components and factory install hardware and fittings to greatest extent possible.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

A. Install all-glass entrance systems and associated components in accordance with manufacturer's written instructions.

B. Set units level, plumb, and true to line, with uniform joints.

C. Maintain uniform clearances between adjacent components.

D. Lubricate hardware and other moving parts in accordance with manufacturer's written instructions.

E. Set, seal, and grout floor closer cases as required to suit hardware and substrate indicated.

3.3 FIELD QUALITY CONTROL

A. Inspection Agency: Engage a qualified inspector to perform inspections and to furnish reports to Architect.

1. Egress Door Inspections: Inspect each all-glass entrance door equipped with panic hardware, each all-glass entrance door located in an exit enclosure, each electrically controlled all-glass egress door, and each all-glass entrance door equipped with special locking arrangements, according to NFPA 101, Section 7.2.1.15.
- B. All-glass entrance systems will be considered defective if they do not pass tests and inspections.
- C. Prepare test and inspection reports.

3.4 ADJUSTING AND CLEANING

- A. Adjust all-glass doors and hardware to produce smooth operation and tight fit at contact points.
 1. For all-glass, swinging entrance doors accessible to people with disabilities, adjust closers to provide a three-second closer sweep period for doors to move from a 70-degree open position to 3 inches from the latch measured to the leading door edge.
- B. Remove excess sealant and glazing compounds and dirt from surfaces.

END OF SECTION 084126.23

SECTION 101419 - DIMENSIONAL LETTER SIGNAGE

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Dimensional characters.
 - a. Cast dimensional characters.
 - b. Cutout dimensional characters.**

1.2 COORDINATION

- A. Furnish templates for placement of electrical service embedded in permanent construction by other installers.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For signs.
 - 1. Include fabrication and installation details and attachments to other work.
 - 2. Show sign mounting heights, locations of supplementary supports to be provided by other installers, and accessories.
 - 3. Show message list, typestyles, graphic elements, and layout for each sign at least half size.
- C. Samples for Verification: For each type of sign assembly showing all components and with the required finish(es), in manufacturer's standard size unless otherwise indicated and as follows:
 - 1. Dimensional Characters: Full-size Sample of each type of dimensional character.
 - 2. Full-size Samples, if approved, will be returned to Contractor for use in the Project.
- D. Product Schedule: For dimensional letter signs. Use same designations indicated on Drawings or specified.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.

- B. Sample Warranty: For special warranty.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer of products or an entity that employs installers and supervisors who are trained and approved by manufacturer.

1.6 FIELD CONDITIONS

- A. Field Measurements: Verify locations of electrical service embedded in permanent construction by other installers by field measurements before fabrication, and indicate measurements on Shop Drawings.

1.7 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Deterioration of finishes beyond normal weathering.
 - b. Separation or delamination of sheet materials and components.
 - 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 DIMENSIONAL CHARACTERS

- A. Cast Characters: Characters with uniform faces, sharp corners, and precisely formed lines and profiles, and as follows:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ASI Sign Systems, Inc.
 - b. Gemini Signage; Gemini, Inc.
 - c. Metal Arts.
 - 2. Character Material: Cast aluminum.
 - 3. Character Height: As indicated on Drawings.
 - 4. Depth: As indicated on Drawings or, if not indicated, 2 inches.
 - 5. Finishes:
 - a. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard, in color as selected by Architect from manufacturer's full range.

6. Mounting: Concealed studs.
7. Typeface: As indicated on Drawings or, if not indicated, as directed by Architect.

B. Cutout Characters: Characters with uniform faces; square-cut, smooth, eased edges; precisely formed lines and profiles; and as follows:

1. **Manufacturers: Subject to compliance with requirements, provide products by one of the following:**
 - a. **ACE Sign Systems, Inc.**
 - b. **ASI Sign Systems, Inc.**
 - c. **Gemini Signage; Gemini, Inc.**
2. **Character Material: Sheet or plate acrylic.**
3. **Character Height: As indicated on Drawings.**
4. **Thickness: 0.125 inch.**
5. **Finishes:**
 - a. **Integral Acrylic Color: As selected by Architect from full range of industry colors.**

2.2 DIMENSIONAL CHARACTER MATERIALS

- A. Aluminum Castings: ASTM B26/B26M, alloy and temper recommended by sign manufacturer for casting process used and for type of use and finish indicated.
- B. Paints and Coatings for Sheet Materials: Inks, dyes, and paints that are recommended by manufacturer for optimum adherence to surface and are UV and water resistant for colors and exposure indicated.
- C. **Acrylic Sheet: ASTM D4802, category as standard with manufacturer for each sign, Type UVF (UV filtering).**

2.3 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signs, noncorrosive and compatible with each material joined, and complying with the following:
 1. Use concealed fasteners and anchors unless indicated to be exposed.
 2. Sign Mounting Fasteners:
 - a. Concealed Studs: Concealed (blind), threaded studs welded or brazed to back of sign material, screwed into back of sign assembly, or screwed into tapped lugs cast integrally into back of cast sign material, unless otherwise indicated.
- B. **Adhesive: As recommended by sign manufacturer.**

2.4 FABRICATION

- A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.
 - 1. Preassemble signs and assemblies in the shop to greatest extent possible. Disassemble signs and assemblies only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation; apply markings in locations concealed from view after final assembly.
 - 2. Comply with AWS for recommended practices in welding and brazing. Provide welds and brazes behind finished surfaces without distorting or discoloring exposed side. Clean exposed welded and brazed connections of flux, and dress exposed and contact surfaces.
 - 3. Conceal connections if possible; otherwise, locate connections where they are inconspicuous.
 - 4. Provide rabbets, lugs, and tabs necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners where possible; use exposed fasteners that match sign finish.
 - 5. Castings: Fabricate castings free of warp, cracks, blowholes, pits, scale, sand holes, and other defects that impair appearance or strength. Grind, wire brush, sandblast, and buff castings to remove seams, gate marks, casting flash, and other casting marks before finishing.

2.5 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- C. Organic, Anodic, and Chemically Produced Finishes: Apply to formed metal after fabrication but before applying contrasting polished finishes on raised features unless otherwise indicated.

2.6 ALUMINUM FINISHES

- A. Baked-Enamel or Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils. Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance.
- B. Verify that sign-support surfaces are within tolerances to accommodate signs without gaps or irregularities between backs of signs and support surfaces unless otherwise indicated.
- C. Verify that electrical service is correctly sized and located to accommodate signs.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION OF DIMENSIONAL CHARACTERS

- A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.
 - 1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
 - 2. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
 - 3. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.
- B. Mounting Methods:
 - 1. Concealed Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.
 - a. Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place sign in position and push until flush to surface, embedding studs in holes. Temporarily support sign in position until adhesive fully sets.
 - b. Thin or Hollow Surfaces: Place sign in position and flush to surface, install washers and nuts on studs projecting through opposite side of surface, and tighten.
 - 2. **Adhesive: Clean bond-breaking materials from substrate surface and remove loose debris. Apply linear beads or spots of adhesive symmetrically to back of sign and of suitable quantity to support weight of sign after cure without slippage. Keep adhesive away from edges to prevent adhesive extrusion as sign is applied and to prevent visibility of cured adhesive at sign edges. Place sign in position, and push to engage adhesive. Temporarily support sign in position until adhesive fully sets.**

3.3 ADJUSTING AND CLEANING

- A. Remove and replace damaged or deformed characters and signs that do not comply with specified requirements. Replace characters with damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.
- B. Remove temporary protective coverings and strippable films as signs are installed.
- C. On completion of installation, clean exposed surfaces of signs according to manufacturer's written instructions, and touch up minor nicks and abrasions in finish. Maintain signs in a clean condition during construction and protect from damage until acceptance by Owner.

END OF SECTION 101419

SECTION 105100 - LOCKERS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Plastic-laminate-clad wood lockers.
2. Integral locker benches.

1.2 ACTION SUBMITTALS

A. Product Data:

1. Plastic-laminate-clad wood lockers.
2. Locker benches.

B. Product Data Submittals: For each product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of locker and bench.

C. Shop Drawings: For plastic-laminate-clad wood lockers.

1. Include plans, elevations, sections, and attachment details.
2. Show details full size.
3. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
4. Show locations and sizes of cutouts and holes for items installed in lockers.
5. Show locker fillers, trim, base, sloping tops, and accessories.
6. Show locker identification system and numbering sequence.

D. Samples for Initial Selection: For each type of the following:

1. High-pressure decorative laminates.
2. Thermally fused laminate overlay panels.

E. Samples for Verification: For the following products:

1. Plastic-laminate-clad panels, not less than 8 by 10 inches, for each type, color, pattern, and surface finish.
2. Corner pieces of locker front frame joints between stiles and rail, as well as exposed end pieces, not less than 18 inches wide by 18 inches high by 6 inches deep.
3. Exposed cabinet hardware and accessories, one unit for each type and finish.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and Manufacturer.
- B. Sample Warranty: For special warranty.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Locker doors, complete with specified door hardware. Furnish no fewer than five doors of each type and color installed.
 - 2. Units of the following locker hardware items equal to 10 percent of amount installed for each type and finish installed, but no fewer than five units:
 - a. Coat rod.
 - b. Name Plate Holder.
 - c. Locks.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer of lockers or entity approved by locker manufacturer.
- B. Manufacturer Qualifications: Minimum 10 years practical experience, with a minimum of 15 successful projects completed during that time.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver lockers until painting and similar operations that could damage lockers have been completed in installation areas. If lockers must be stored in other-than-installation areas, store only in areas where environmental conditions are the same as those in final installation location, and comply with requirements specified in "Field Conditions" Article.
- B. Deliver master and control keys to Owner by registered mail or overnight package service.

1.8 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install lockers until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during the remainder of the construction period.
- B. Field Measurements: Where lockers are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings.
 - 1. Locate concealed framing, blocking, and reinforcements that support lockers by field measurements before being enclosed, and indicate measurements on Shop Drawings.

1.9 COORDINATION

- A. Coordinate sizes and locations of concealed wood support bases.
 - 1. Requirements are specified in Section 061053 "Miscellaneous Rough Carpentry."
- B. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of work specified in other Sections to ensure that lockers can be supported and installed as indicated.

1.10 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of lockers that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures.
 - b. Faulty operation of locks or hardware.
 - c. Deterioration of wood, finishes, and other materials beyond normal use.
 - 2. Warranty Period: Three years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PLASTIC-LAMINATE-CLAD WOOD LOCKERS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Hollman, Inc; **Dynasty+ Series** or a comparable product by one of the following:
 - 1. Legacy Lockers.

- B. Construction Style: Flush overlay.
- C. Final Assembly: Manufacturer's standard factory assembly.
- D. Locker Body: Fabricated from medium-density fiberboard (MDF)-core panels covered on both sides with thermally fused laminate overlay.
 - 1. Locker Tops, Back, Bottoms, Sides, and Shelves: 5/8-inch thick.
 - 2. Doors, End Panels, and Toe Kick Plates: 3/4-inch thick.
 - 3. Exposed Panel Edges: 1-mm-thick PVC, colored to match plastic laminate.
- E. Plastic-Laminate Colors, Patterns, and Finishes:
 - 1. As selected by Architect from plastic-laminate manufacturer's full range of solid colors, allow two colors.

2.2 MATERIALS

- A. Composite Wood: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified unless otherwise indicated.
 - 1. Particleboard: ANSI A208.1, Grade M-2-Exterior Glue.
- B. High-Pressure Decorative Laminate: ISO 4586-3, grades as follows:
 - 1. Horizontal Surfaces: Grade HGS.
 - 2. Vertical Surfaces: Grade VGS.
- C. Anchors: Material, type, size, and finish as required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.

2.3 HARDWARE

- A. Built-in Combination Lock: Key-controlled, four-number independent dialing combination locks.
 - 1. Basis-of-Design Product: Keyless 1.
- B. Frameless Hinges (European Type): Fully concealed, nickel-plated steel, with not less than 110 degrees of opening, with limited lifetime warranty.
 - 1. Provide two hinges for doors 35 inches high and under.
 - 2. Provide three hinges for doors from 36 inches to 59 inches high.
 - 3. Provide four hinges for doors 60 inches high and over.
- C. Recessed Pulls: Back mounted; 5 inches long.

- D. Coat Rods: 1-inch-diameter steel; chrome finished.
 - 1. Provide coat rod for each compartment of double-tier lockers.
- E. Exposed Hardware Finish:
 - 1. Polished chrome unless otherwise indicated.
 - 2. Unless otherwise indicated, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.
 - a. Bright Chromium Plated: BHMA 625 for brass or bronze base; BHMA 651 for steel base.

2.4 ACCESSORIES

- A. Security Lock Boxes: Minimum 6 inches wide by 6 inches high by depth of locker; with piano hinge and built-in combination lock.
- B. Name Identification Plates and Plate Holders: 2-inch-high by 12-inch-wide, etched, embossed, or stamped, stainless steel plates with black letters at least 1/2 inch high. Identify lockers as indicated on Drawings.
- C. LED Lights:
 - 1. Standard warm white lighting.
- D. USB Power:
 - 1. Single power supply per locker unit, with chrome face plate.

2.5 LOCKER BENCHES

- A. Integral Locker Benches: Bench top supported by locker front and continuous base, as follows:
 - 1. Supports: MDF panel in finish and thickness matching locker, full width of each individual locker.
 - 2. Bench Top: Manufacturer's standard core material with integral cushioned vinyl upholstered seat.

2.6 FABRICATION

- A. Fabricate each locker with shelves, an individual door and frame, an individual top, a bottom, and a back, and with common intermediate uprights separating compartments.
 - 1. Fabricate lockers to dimensions, profiles, and details indicated.
 - 2. Ease edges of corners of solid-wood members to 1/16-inch radius.

- B. Fabricate lockers square, rigid, without warp, and with finished faces flat and free of dents, scratches, and chips. Accurately factory machine components for attachments. Make joints tight and true.
 - 1. Fabricate lockers using manufacturer's standard construction, with joints made with dowels, dados, or rabbets. Dado side panels to receive shelving except
- C. Complete fabrication, including assembly, finishing, and hardware application, to maximum extent possible, before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
 - 1. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that the parts fit as intended, and check measurements of assemblies against field measurements indicated on Shop Drawings before disassembling for shipment.
 - 2. Use only manufacturer's nuts, bolts, screws, and other devices for assembly.
- D. Shop cut openings, to maximum extent possible, to receive hardware, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
- E. Attach PVC edging to panels by thermally fusing edging to panels after panel fabrication.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine walls and floors or support bases, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Verify that furring is attached to concrete and masonry walls that are to receive lockers.
- C. Verify electrical rough-in is provided for lighting and power supply.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Condition lockers to average prevailing humidity conditions in installation areas before installation.
- B. Before installing lockers, examine factory-fabricated work for completeness and complete work as required, including removal of packing.

3.3 INSTALLATION

- A. Install lockers level, plumb, and true; use concealed shims.
- B. Connect groups of lockers together with manufacturer's standard fasteners, through predrilled holes, with no exposed fasteners on face frames. Fit lockers accurately together to form flush, tight, hairline joints.
- C. Install lockers without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings, providing unencumbered operation. Complete installation of hardware and accessory items as indicated.
 - 1. Installation Tolerance: No more than 1/8 inch in 96-inch sag, bow, or other variation from a straight line. Shim as required with concealed shims.
- D. Locker Anchorage:
 - 1. Fasten lockers through wood locker base, at ends, and not more than 36 inches o.c. per manufacturer's written instructions.
 - 2. Fasten lockers through back, near top and bottom, at ends per manufacturer's written instructions.
- E. Scribe and cut corner and filler panels to fit adjoining work using fasteners concealed where practical. Repair damaged finish at cuts.
- F. Install name identification plates and holders after lockers are in place.
 - 1. Attach name identification plate holder above each locker assembly, centered over assembly, with at least two screws, with finish matching the name identification plate holder.
 - 2. Insert name identification plate into matching nameplate holder on each door.
- G. Install electrical power supply and LED lighting per manufacturer's written instructions.

3.4 ADJUSTING

- A. Clean, lubricate, and adjust hardware. Adjust doors to operate easily without binding. Verify that integral locking devices operate properly.

3.5 PROTECTION

- A. Protect lockers from damage, abuse, dust, dirt, stain, or paint. Do not permit use during construction.
- B. Touch up marred finishes, or replace lockers that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by locker manufacturer.

END OF SECTION 105123

SECTION 113013 - RESIDENTIAL APPLIANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Cooking appliances.
 - 2. Refrigeration appliances.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Cooking appliances.
 - 2. Refrigeration appliances.
- B. Product Data Submittals: For each product.
 - 1. Include installation details, material descriptions, dimensions of individual components, and finishes for each appliance.
 - 2. Include rated capacities, operating characteristics, electrical characteristics, and furnished accessories.
- C. Product Schedule: For appliances. Use same designations indicated on Drawings.

1.3 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For each residential appliance to include in operation and maintenance manuals.

1.4 WARRANTY

- A. Refrigerator/Freezer, Freezer, and Ice maker, Sealed System: Full warranty, including parts and labor, for on-site service on the product.
 - 1. Warranty Period for Sealed Refrigeration System: Five years from date of Substantial Completion.
 - 2. Warranty Period for Other Components: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Electrical Appliances: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. Accessibility: Where residential appliances are indicated to comply with accessibility requirements, comply with applicable provisions in the DOJ's 2010 ADA Standards for Accessible Design and ICC A117.1.

2.2 COOKING APPLIANCES

- A. Microwave Oven:
 - 1. Basis-of-Design Product: Subject to compliance with requirements, provide product as indicated on Drawings or comparable product by one of the following:
 - a. General Electric.
 - b. KitchenAid.
 - c. Sharp Appliances.
 - d. Whirlpool.
 - 2. Mounting: Countertop.
 - 3. Type: Conventional.
 - 4. Dimensions:
 - a. Width: 22 inches.
 - b. Depth: 18 inches.
 - c. Height: 13 inches.
 - 5. Capacity: 1.6 cu. ft.
 - 6. Oven Door: Door with observation window and pushbutton latch release.
 - 7. Microwave Power Rating: 1150 W.
 - 8. Electric Power Supply: 120 V, 60 Hz, 1 phase, 15 A.
 - 9. Controls: Digital panel controls and timer display.
 - 10. Other Features: Turntable.
 - 11. Material: Porcelain-enameled steel.
 - a. Color/Finish: Black.

2.3 REFRIGERATION APPLIANCES

- A. Full Height Refrigerator: One-door refrigerator and complying with AHAM HRF-1.
 - 1. Basis-of-Design Product: Subject to compliance with requirements, provide product as indicated on Drawings or comparable product by one of the following:

- a. Frigidaire.
 - b. General Electric.
 - c. Thermador
 - d. Whirlpool.
 2. Type: Freestanding.
 3. Dimensions:
 - a. Width: 30 inches.
 - b. Depth: 24 inches.
 - c. Height: 84 inches.
 4. Storage Features:
 - a. Refrigeration Compartment Volume: 16.8 cu. ft.
 - b. Shelves: Three adjustable glass shelves and one fixed, full depth.
 - c. Door Bins: 3 standard, one gallon sized.
 - d. Drawers:
 - 1) General Use: 1.
 - 2) Humidity Control: 1.
 - 3) Temperature Control: 1.
 5. General Features:
 - a. Door Configuration: Overlay.
 - b. Door open alarm.
 6. Refrigerator Features:
 - a. Interior light in refrigeration compartment.
 7. Energy Star: Provide appliances that qualify for the EPA/DOE Energy Star product-labeling program.
 8. Appliance Color/Finish: Stainless steel.
- B. Under-Counter Refrigerator: One-door refrigerator and complying with AHAM HRF-1.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Product as indicated on Drawings or comparable product by one of the following:
 - a. Frigidaire.
 - b. General Electric.
 - c. Summit
 - d. Whirlpool.
 2. Type: Under-counter.
 3. Dimensions:
 - a. Width: 24 inches.
 - b. Depth: 23 inches.

4. Storage Features:
 - a. Refrigeration Compartment Volume: 4.8 cu. ft.
 - b. Shelves: Three adjustable glass shelves, full depth.
5. General Features:
 - a. Door Configuration: Overlay.
 - b. Door open alarm.
6. Refrigerator Features:
 - a. Interior light in refrigeration compartment.
7. Energy Star: Provide appliances that qualify for the EPA/DOE Energy Star product-labeling program.
8. Appliance Color/Finish: Stainless steel.

2.4 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, power connections, and other conditions affecting installation and performance of residential appliances.
- B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install appliances according to manufacturer's written instructions.
- B. Built-in Equipment: Securely anchor units to supporting cabinets or countertops with concealed fasteners. Verify that clearances are adequate for proper functioning and that rough openings are completely concealed.

- C. Freestanding Equipment: Place units in final locations after finishes have been completed in each area. Verify that clearances are adequate to properly operate equipment.

3.3 FIELD QUALITY CONTROL

- A. Perform the following tests and inspections:
 - 1. Perform visual and electrical inspection and testing for each appliance according to manufacturers' written recommendations. Certify compliance with each manufacturer's appliance-performance parameters.
 - 2. Operational Test: After installation, start units to confirm proper operation.
 - 3. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and components.
- B. An appliance will be considered defective if it does not pass tests and inspections.

END OF SECTION 113013