

Addendum #3

To: Bid Documents Dated June 5, 2020

Project Name: Indiana State University – Dreiser Hall Renovation

Project #: 19052

Date: June 26, 2020

This Addendum, issued prior to bidding, alters, amends, corrects, or clarifies the Proposal Documents to the extent stated herein and does thereby become a part of the Proposal Documents and will become part of the Contract Documents of the successful bidder(s).

ITEMS INCLUDED IN THIS ADDENDUM

1. General
2. Changes to the Project Manual
3. Changes to the Drawings
4. Answers to Bidder Questions

GENERAL

1. The interior of the building may be accessed for a final contractor site visit on Tuesday, June 30, 2020 from 9:00 am to 3 pm.

PROJECT MANUAL

1. Table of Contents – Replace in its entirety.
2. Section No. 00 20 00 – Bid Form
 - A. Revise ALTERNATE BIDS NO. 4 to read: “Add pipe grid and theatrical lighting in room 014 – Performance and Technology Lab.”
 - B. Revised Bid Form is issued in this Addendum. This Bid Form shall be used for the submission of Bids.
3. Section No. 20 00 60 – COMMON PIPE, VALVES, AND FITTINGS FOR PL & HVAC
 - A. Add “Bray Series 31H” as an approved manufacturer of shutoff valve listed under CV-23 within this section.
4. Section No. 22 40 60 – PLUMBING FIXTURES
 - A. Page No. 4 – Paragraph 2.03-A
 - 1) Add Watts as an approved manufacturer for carriers.
 - 2) Page No. 9 – Paragraph 2.013-A-2-e
 - a) Delete crumb cup strainer and install garbage disposer in its place. Disposer to be equal to In-Sink-Erator Evolution Compact, 3/4 hp, with 3-

prong power cord attached, model 79031A-ISE.

5. Section No. 23 73 24 – CUSTOM KNOCK DOWN AIR HANDLING UNITS
 - A. Add this Section in its entirety as an alternate option for the built-up Air Handling Unit, AHU-A.

DRAWINGS

1. Sheet S0.02 – Standard Str. Details
 - A. Reissue sheet – see clouds.
2. Sheet S1.00 – Str. Basement Floor Plan
 - A. Reissue sheet – see clouds.
3. Sheet S1.01 – Str. 1st Floor Plan
 - A. Reissue sheet – see clouds.
4. Sheet S1.02 – Str. 2nd Floor Plan
 - A. Reissue sheet – see clouds.
5. Sheet S1.04 – Str. Roof Plan
 - A. Reissue sheet – see clouds.
6. Sheet S2.02 – Roof Framing Plan – Lobby
 - A. Reissue sheet – see clouds.
7. Sheet S3.01 – Str. Sections
 - A. Reissue sheet – see clouds.
8. Sheet S3.03 – Str. Sections
 - A. Reissue sheet – see clouds.
9. Sheet S4.01 – Str. Details
 - A. Reissue sheet – see clouds.
10. Sheet S403 – Str. Details
 - A. Reissue sheet – see clouds.
11. Sheet D1.04 – Roof Demolition Plan
 - A. Revise Note #4 – Delete demolition of existing metal coping in alternate #7. Existing metal coping to remain in both base bid and alternate. Demolition of metal counterflashing and misc. flashing to remain as part of alternate #7.
12. Sheet A1.00 – Basement Floor Plan
 - A. Reissue sheet – see clouds
 - B. Revised Coded Notes
13. Sheet A1.00B – Basement Reflected Ceiling Plan
 - A. Revise Coded Ceiling Note 5. to read: “ALTERNATE #4 – PROVIDE PIPE GRID CEILING AND THEATRICAL LIGHTING. SEE ELECTRICAL DRAWINGS FOR

- MORE DETAILS. BASE BID – NO PIPE GRID OR THEATRICAL LIGHTING. PROVIDE THEATRICAL CURTAIN.
- B. Revise Coded Ceiling Note 12. to read: “WOOD PANEL CEILING SYSTEM. BASIS OF DESIGN – ARMSTRONG “WOODWORKS” LINEAR, SOLID PANEL.
- C. Revise Coded Ceiling Note 16 to read: “METAL PANEL CEILING SYSTEM TO MATCH METAL PANELS.
14. Sheet A1.01 – 1st Floor Plan
- A. Reissue sheet – see clouds
- B. Revised Coded Notes
15. Sheet A1.01B – First Floor Reflected Ceiling Plan
- A. Revise Coded Ceiling Note 5. to read: “ALTERNATE #4 – PROVIDE PIPE GRID CEILING AND THEATRICAL LIGHTING. SEE ELECTRICAL DRAWINGS FOR MORE DETAILS. BASE BID – NO PIPE GRID OR THEATRICAL LIGHTING. PROVIDE THEATRICAL CURTAIN.
- B. Revise Coded Ceiling Note 12. to read: “WOOD PANEL CEILING SYSTEM. BASIS OF DESIGN – ARMSTRONG “WOODWORKS” LINEAR, SOLID PANEL.
- C. Revise Coded Ceiling Note 16 to read: “METAL PANEL CEILING SYSTEM TO MATCH METAL PANELS.
16. Sheet A1.02 – 2nd Floor Plan
- A. Reissue sheet – see clouds
- B. Revised Coded Notes
17. Sheet A1.02B – 2nd Floor Reflected Ceiling Plan
- A. Revise Coded Ceiling Note 5. to read: “ALTERNATE #4 – PROVIDE PIPE GRID CEILING AND THEATRICAL LIGHTING. SEE ELECTRICAL DRAWINGS FOR MORE DETAILS. BASE BID – NO PIPE GRID OR THEATRICAL LIGHTING. PROVIDE THEATRICAL CURTAIN.
- B. Revise Coded Ceiling Note 12. to read: “WOOD PANEL CEILING SYSTEM. BASIS OF DESIGN – ARMSTRONG “WOODWORKS” LINEAR, SOLID PANEL.
- C. Revise Coded Ceiling Note 16 to read: “METAL PANEL CEILING SYSTEM TO MATCH METAL PANELS.
18. Sheet A1.03 – 3rd Floor Plan
- A. Reissue sheet – see clouds
- B. Revised Coded Notes
19. Sheet A1.03B – 3rd Floor Reflected Ceiling Plan
- A. Revise Coded Ceiling Note 5. to read: “ALTERNATE #4 – PROVIDE PIPE GRID CEILING AND THEATRICAL LIGHTING. SEE ELECTRICAL DRAWINGS FOR MORE DETAILS. BASE BID – NO PIPE GRID OR THEATRICAL LIGHTING. PROVIDE THEATRICAL CURTAIN.
- B. Revise Coded Ceiling Note 12. to read: “WOOD PANEL CEILING SYSTEM. BASIS OF DESIGN – ARMSTRONG “WOODWORKS” LINEAR, SOLID PANEL.
- C. Revise Coded Ceiling Note 16 to read: “METAL PANEL CEILING SYSTEM TO MATCH METAL PANELS.
20. Sheet A1.05 – Roof Plans
- A. Reissue sheet – see clouds

21. Sheet A1.05A – Roof Details
 - A. Reissue sheet – see clouds
 - B. Added Detail #8
22. Sheet A2.02 – Exterior Elevations
 - A. Reissue sheet – see clouds
23. Sheet A3.03 – Building Sections
 - A. Reissue sheet – see clouds
 - B. Added Detail References
24. Sheet A4.01 – Vertical Circulation
 - A. Reissue sheet – see clouds
25. Sheet A4.02 – Vertical Circulation Sections and Details
 - A. Reissue sheet – see clouds
 - B. Added Detail #6
26. Sheet A6.01 – Details
 - A. Reissue sheet – see clouds
27. Sheet A6.02 – Details
 - A. New Sheet
28. Sheet A8.20 – Exterior Storefront Elevations and Details
 - A. Reissue sheet – see clouds
29. Re-issue Drawing P1.00 – Foundation Plan – Plumbing
 - A. See clouds on drawing.
30. Re-issue Drawing P2.00 – Basement Plan – Plumbing
 - A. See clouds on drawing.
31. Re-issue Drawing P2.01 – First Floor Plan – Plumbing
 - A. See clouds on drawing.
32. Re-issue Drawing P2.02 – Second Floor Plan – Plumbing
 - A. See clouds on drawing.
33. Re-issue Drawing P2.03 – Third Floor Plan – Plumbing
 - A. See clouds on drawing.
34. Re-issue Drawing P2.20 – Roof Plan – Plumbing
 - A. See clouds on drawing.
35. Re-issue Drawing P6.01 – Schedules – Plumbing
 - A. See clouds on drawing.
36. Re-issue Drawing M2.00 – BASEMENT PLAN – AIR DISTRIBUTION
 - A. See clouds on drawing.

37. Re-issue Drawing M2.01 – FIRST FLOOR PLAN – AIR DISTRIBUTION
A. See clouds on drawing.
38. Re-issue Drawing M2.02 – SECOND FLOOR PLAN – AIR DISTRIBUTION
A. See clouds on drawing.
39. Re-issue Drawing M2.03 – THIRD FLOOR PLAN – AIR DISTRIBUTION
A. See clouds on drawing.
40. Re-issue Drawing M2.10 – BASEMENT PLAN – HYDRONICS
A. See clouds on drawing.
41. Re-issue Drawing M2.12 – SECOND FLOOR PLAN - HYDRONICS
A. See clouds on drawing.
42. Re-issue Drawing M2.20 – ROOF PLAN - MECHANICAL
A. See clouds on drawing.
43. Drawing M3.02 – ELEVATOR PENTHOUSE – AIR DISTRIBUTION
A. See clouds on drawing.
44. Re-issue Drawing M3.06 – RETURN CHASE SECTIONS – AIR DISTRIBUTION
A. See clouds on drawing.
45. Re-issue Drawing M3.07 – SCENE SHOP 001 SECTIONS – AIR DISTRIBUTION
A. See clouds on drawing.
46. Re-issue Drawing M6.01 – SCHEDULES – AIR DISTRIBUTION
A. See clouds on drawing.
47. Drawing ED2.13 – THIRD FLOOR PLAN – POWER DEMOLITION
A. Add note (7) as follows: “Remove (4) – 4” telecom conduit risers and patch floor as required. Note (7) applies to Lab 317.
48. Drawing ED3.01 – TUNNEL PLAN – ELECTRICAL DEMOLITION
A. Add note (15) as follows: “Remove electrical room door and frame as required to allow for switchboard replacement. Note (15) applies to door between scene shop and Machine Room 010.
49. Re-issue Drawing E2.00 – BASEMENT PLAN – LIGHTING
A. See clouds on drawing.
50. Re-issue Drawing E2.01 – FIRST FLOOR PLAN – LIGHTING
A. See clouds on drawing.
51. Re-issue Drawing E2.02 – SECOND FLOOR PLAN – LIGHTING
A. See clouds on drawing.
52. Re-issue Drawing E2.03 – THIRD FLOOR PLAN – LIGHTING
A. See clouds on drawing.
53. Re-issue Drawing E6.01 – SCHEDULES – ELECTRICAL

A. See clouds on drawing.

54. Re-issue Drawing E6.11 – SCHEDULES – PANELBOARDS

A. See clouds on drawing.

55. Drawing E7.00 – PERFORMANCE AND TECH LAB 014 – THEATRICAL

A. Edit note (8) as follows: "Pipe grid shall be steel pipe and shall be part of alternate #4. All grid boxes, wiring, and receptacles connected to Panel 'BR2', Panel 'BR2', and ETC network wiring shall be part of alternate #4. **Projector, projection screen, and receptacles fed from Panel 'BB' shall be base bid.** Coordinate mounting height at pipe grid with owner and engineer. Intent is to install as high as possible. Coordinate with structure and ductwork."

56. Drawing E7.03 – ENLARGED THEATER 126 – THEATRICAL DIMENSIONS

A. See clouds on drawings.

BIDDER QUESTIONS

(See Attached Log)

VOLUME 1

DIVISION 00 BIDDING REQUIREMENTS

001000	Notice to Bidders
001010	Instructions to Bidders
001020	Certification Regarding Suspension, Debarment, Ineligibility and Voluntary Exclusion
001030	MBE/WBE/VBE Compliance Instructions
001040	MBE/WBE/VBE Participation Plan
001045	Bidders Certification of Authorized Employment
001050	Sample ISU/Contractor Contract for Construction
002000	Bid Form
002010	Sample AIA A201 2007
002011	Amendments to General Conditions (AIA A201 2007)
002020	Supplementary General Conditions
003000	ISU Special Requirements and Information

DIVISION 01 GENERAL REQUIREMENTS

011000	Summary of Work
012360	Allowances
012370	Unit Prices
012500	Contract Considerations
013100	Coordination and Meetings
013200	Submittals and Substitutions
014000	Quality Control
014100	Testing Laboratory Services
014200	Definitions and Standards
015000	Temporary Facilities
015010	Temporary Facilities for Renovation Projects
016000	Materials and Equipment
017000	Field Engineering
017310	Cutting and Patching
017700	Contract Closeout

DIVISION 02 EXISTING CONDITION

024100	Demolition
024114	Selective Demolition

DIVISION 03 CONCRETE

030130	Repair and Rehabilitation of Cast-in-Place Concrete
031100	Concrete Forming
031500	Concrete Accessories
032000	Concrete Reinforcing
033000	Cast-in-Place Concrete
033513	Floor Sealer Concrete

DIVISION 03 CONCRETE (CONTINUED)

036000 Grouting

DIVISION 04 MASONRY

040120 Masonry Tuckpointing
040503 Masonry Mortaring and Grouting
040513 Mortar
040523 Masonry Accessories
042000 Unit Masonry
042113 Veneer Masonry Systems

DIVISION 05 METALS

050533 Anchor Systems
051200 Structural Steel Framing
053113 Steel Floor Decking
053123 Steel Roof Decking
054000 Cold-Formed Metal Framing
054100 Metal Studs for Interior Walls
055013 Miscellaneous Metal Fabrications
055800 Metal Fabrication

DIVISION 06 WOOD, PLASTIC AND COMPOSITES

061000 Rough Carpentry
061040 Wood Blocking and Curbing
061643 Fiberglass Mat Sheathing
062000 Finish Carpentry
068000 Fiber Reinforced Polymer (FRP) Ladders and Cages
068210 Fiberglass Reinforced Grating

DIVISION 07 THERMAL AND MOISTURE PROTECTION

070150 Preparation for Re-Roofing
072116 Batt Insulation
075324 Fully Adhered EPDM
076200 Sheet Metal Flashing and Trim
079200 Sealants

DIVISION 08 DOORS AND WINDOWS

081113 Hollow Metal Doors and Frames
081416 Flush Wood Doors
084313 Aluminum Entrances and Store Fronts
084411 Aluminum Curtain Wall
085113 Aluminum Windows
087100 Door Hardware

DIVISION 08 DOORS AND WINDOWS (CONTINUED)

- 087110 Door Hardware Schedule
- 088100 Glazing
- 089119 Louvers and Grills

DIVISION 09 FINISHES

- 092116 Gypsum Wallboard Systems
- 092117 Gypsum Board Acoustical Walls
- 093113 Ceramic Floor Tile
- 095113 Suspended Acoustical Ceilings
- 096423 Wood Flooring
- 096513 Resilient Wall Base and Accessories
- 096516 Resilient Tile Flooring
- 096566 Indoor Resilient Athletic Flooring
- 096613 Terrazzo
- 096813 Carpet Squares
- 097513 Wall Tile
- 099010 General Painting Requirements
- 099123 Painting and Finishing

DIVISION 10 SPECIALTIES

- 101116 Chalkboards, Multi-Media Boards, Whiteboards, Tackboards
and Literature Racks
- 101423 Signage
- 102113 Metal Toilet Compartments
- 102813 Toilet Accessories
- 104413 Fire Extinguishers and Cabinets
- 105113 Metal Lockers

DIVISION 11 EQUIPMENT

- 116133 Rigging Systems

DIVISION 12 FURNISHINGS

- 123216 Plastic Laminate Casework and Countertops
- 123653 Solid Surface Fabrications
- 123661 Quartz Counter Tops
- 126600 Telescoping Stands

DIVISION 14 CONVEYING SYSTEMS

- 140500 Basic Elevator Requirements
- 142125 Electric Traction Passenger Elevators (Machine Roomless)

VOLUME 2

DIVISION 20 FIRE SUPPRESSION, PLUMBING & HVAC

- 200010 Common Work Results for Fire Suppression, Plumbing and HVAC
- 200050 Common Materials and Methods for Fire Suppression, Plumbing and HVAC
- 200060 Common Pipe, Valves and Fittings for Fire Suppression, Plumbing and HVAC
- 200180 Common Insulation for Plumbing and HVAC

DIVISION 21 FIRE PROTECTION

- 211000 Water Based Fire Suppression

DIVISION 22 PLUMBING

- 221119 Domestic Water Specialties
- 221123 Domestic Circulation Pumps
- 221319 Waste Specialties
- 221423 Storm Specialties
- 221429 Sump Pumps
- 221519 Air Compressors and Receivers
- 223100 Water Softeners
- 223300 Electric Water Heaters
- 224000 Plumbing Fixtures
- 224700 Drinking Fountain and Water Coolers

DIVISION 23 HVAC

- 230593 Testing and Balancing
- 230900 HVAC Instrumentation and Controls
- 232123 Hydronic Pumps and Trim
- 232213 Steam and Condensate Piping System
- 232224 Steam Condensate Pump – Steam Motive
- 232300 Refrigerant Piping
- 232500 HVAC Water Treatment
- 233113 Metal Ducts
- 233119 HVAC Housings & Plenums
- 233300 Air Duct Accessories
- 233416 Centrifugal HVAC Fans
- 233423 HVAC Power Ventilators
- 233600 Air Terminal Units
- 233713 Diffusers, Registers, Grilles & Louvers
- 235700 HVAC Heat Exchangers
- 237313 Modular Indoor CSAC
- 237324 Custom Knock Down Air Handling Units
- 238134 Mini-Split Air Conditioning
- 238216 Air Coils

DIVISION 23 HVAC (CONTINUED)

- 238219 Fan Coil Unit
- 238233 Convectors & Finned Tube Radiation-Hydronic
- 238239 Unit Heaters – Hydronic
- 238243 Radiant Ceiling Panels – Hydronic
- 238413 Humidifiers

DIVISION 26 ELECTRICAL

- 260500 Common Work Results for Electrical
- 260502 Selective Demolition
- 260519 Low-Voltage Electrical Power Conductors & Cables
- 260526 Grounding & Bonding for Electrical Systems
- 260533 Raceways & Boxes for Electrical Systems
- 260572 Power Acceptance Testing
- 260573 Short Circuit and Protective Device Coordination Study
- 260923 Lighting Control Devices
- 262213 Dry-Type Distribution Transformers – General Purpose
- 262413 Switchboards
- 262416 Panelboards
- 262726 Wiring Devices
- 262816 Safety Switches
- 262913 Enclosed Motor Starters
- 262933 AFD
- 263623 Automatic Transfer Switch
- 264313 Transient Voltage Surge Suppression (TVSS)
- 265100 Interior Lighting
- 265561 Theatrical Lighting and Controls

DIVISION 27 COMMUNICATIONS

- 270000 ISU General Requirements by Owner
- 270010 General Requirements for Communications
- 270100 Operations and Maintenance of Communications Systems
- 270501 Basic Materials & Methods for Communications
- 270526 Grounding and Bonding for Communications
- 270528 Pathways for Communications Systems
- 270550 Firestopping for Communications Systems
- 270553 Identification for Communications
- 270810 Verification Testing of Structured Cabling
- 271111 Communications Wall Linings
- 271116 Communications Cabinets Racks Frames and Enclosures
- 271123 Communications Cable Management and Ladder Rack

DIVISION 23 COMMUNICATIONS (CONTINUED)

- 271126 Communications RM Power Protection and Power Strips
- 271313 Communications Copper Backbone Cabling
- 271323 Communications Fiber Optic Backbone Cabling
- 271513 Communications Copper Horizontal Cabling
- 271600 Communications Connecting Cords, Devices & Adapters
- 274111 Instructional Classroom Audio Video System
- 274116 Theatre Audio Video Systems and Equipment

DIVISION 28 ELECTRONIC SAFETY AND SECURITY

- 280500 Common Work Results for Electronic Safety and Security
- 283111.10 Addressable Fire Alarm with Addressable Speaker/Visual

DIVISION 33 UTILITIES

- 330900 Utility Metering

CIVIL SPECIFICATIONS – INCLUDED ON SHEET C6.00

- Section 1 Earthwork
- Section 2 Streets/Parking Lot
- Section 3 Storm Sewer Systems
- Section 4 Water Line System

END OF TABLE OF CONTENTS

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002000
BID FORM (Revised for Addendum # 3)

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: Indiana State University Dreiser Hall Renovation per Specifications and Drawings.

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

ALTERNATE BIDS

1. Alternate No. 1: Add operable function for exterior windows.

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

2. Alternate No. 2: Add portions of wood paneling on 2nd and 3rd floors.

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

3. Alternate No. 3: Add masonry restoration work. Refer to Building Elevation Drawings for Areas of Restoration

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

4. Alternate No. 4: Revised: Add pipe grid and theatrical lighting in room 014 – Performance and Technology Lab

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

5. Alternate No. 5: Add work associated with opening up Stair #2.

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

6. Alternate No. 6: Add select areas of glazed wall system on 1st and 3rd floors.

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

002000
BID FORM (Revised for Addendum # 3)

7. Alternate No. 7: Add reroofing work.

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

8. Alternate No. 8: Add stage lift

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

ALLOWANCES

1. A \$20,000 Allowance shall be included in the Base Bid for the A/E to create "Record Drawings" as detailed in Section 017700 Contract Closeout.
2. A \$300,000 Allowance shall be included in the Base Bid for Unforeseen Conditions and General Construction Contingency. It is solely at the discretion of the Architect/Engineer/Owner what costs may be applied to this Allowance.

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 001010 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.

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 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.

002000
BID FORM (Revised for Addendum # 3)

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 001030 for requirements for MBE/WBE/VBE Compliance. Section 001040 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 #)
2. Contract Amount _____
Description _____
Date Completed _____
Owner _____
(Name and phone #)

002000
BID FORM (Revised for Addendum # 3)

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 Supplier & Manufacturer Lists

Appendix B - Unit Prices

Appendix C - Complete Subcontractor and Supplier & Manufacturer Lists to be submitted within 24 hours after Bid.

Appendix D - Wage Rate Schedules

OATH AND AFFIRMATION

Attested to this ____ day of _____, 201____

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 _____, 201____

Notary Public

My Commission Expires _____

County of Residence _____

002000
BID FORM (Revised for Addendum # 3)

SUPPLEMENTS TO BID FORM

TO: INDIANA STATE UNIVERSITY

PROJECT: **Dreiser Hall Renovation Bid # B0027086**

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)

APPENDIX A – SUBCONTRACTOR LIST

Bidder shall provide the names of all applicable Subcontractors

Description	Subcontractor
Steel Fabricator	_____
Steel Erector	_____
Curtain Wall / Storefront	_____
Concrete Work	_____
Masonry Work	_____
Roofing Work	_____
Electrical Work	_____
IT (Voice Data) Work	_____
Sheet Metal Work	_____
Mechanical	_____
Temperature Control	_____
Plumbing Work	_____
FP Sprinkler Work	_____
Site Work	_____

APPENDIX A – SUPPLIER & MANUFACTURERS LIST

Bidder shall provide the names of all applicable Suppliers and Manufacturers

Product Description	Supplier	Manufacturer
Roofing System (Alternate Bid)	_____	_____
Elevator	_____	_____
Heat Exchanger	_____	_____
Built-up AHU (AHU 1)	_____	_____
Modular CSAC (AHU 2)	_____	_____
Mini-Split Units	_____	_____
Pumps	_____	_____
VAV Boxes	_____	_____

002000
BID FORM (Revised for Addendum # 3)

Exhaust Fans	_____	_____
Panelboards	_____	_____
Switchboards	_____	_____

Appendix B – Unit Prices

1. Unit Price #1 Repointing Materials and Labor per square foot of brick repointing. \$_____ sq ft
2. Unit Price #2 Plaster Patching Materials and Labor per square foot of plaster patching. \$_____ sq ft

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002000
BID FORM (Revised for Addendum # 3)

Appendix C – To be submitted within 24 hours after Bids received. See Section 001010 Instructions to Bidders 3.17 for further instructions

APPENDIX C – SUBCONTRACTOR LIST

Bidder shall provide the names of all the applicable Subcontractors with the Bid.

Description	Subcontractor
Ceiling Work	_____
Flooring Work	_____
Terrazzo Restoration	_____
Painting Work	_____
Testing (Electrical)	_____
Audio/Visual	_____
Theatrical Lighting / Integrator	_____
Theatrical Rigging	_____
Fire Alarm Installer	_____
Testing and Balancing (Mechanical)	_____
Irrigation Work	_____
Landscaping Work	_____
Sedimentation Control	_____

APPENDIX C – SUPPLIER AND MANUFACTURER'S LIST

Bidder shall provide the names of all applicable Suppliers and Manufacturers

Product Description	Supplier	Manufacturer
Ceiling: Grids	_____	_____
Ceiling: Panels	_____	_____
Flooring: Tile	_____	_____
Flooring: Carpet	_____	_____
Hollow Metal Frames	_____	_____
Doors	_____	_____
Door Hardware	_____	_____

002000
BID FORM (Revised for Addendum # 3)

Signage	<hr/>	<hr/>
Hydraulic Cement	<hr/>	<hr/>
Aluminum Entrances and Storefronts	<hr/>	<hr/>
Windows	<hr/>	<hr/>
Operable Windows (Alternate)	<hr/>	<hr/>
Plumbing Fixtures and Trim	<hr/>	<hr/>
Plumbing Faucets	<hr/>	<hr/>
Grilles & Diffusers	<hr/>	<hr/>
Fire Alarm	<hr/>	<hr/>
Wiring Devices	<hr/>	<hr/>
Lighting	<hr/>	<hr/>
Lighting Controls	<hr/>	<hr/>
Theatrical Lighting Controls	<hr/>	<hr/>
Theatrical Lighting Fixtures	<hr/>	<hr/>

Appendix D – 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 002000

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PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Custom knock-down air-handling units.

1.2 GENERAL

- A. AHU's shall be a knock-down type unit, constructed to be disassembled into pieces so that they can be moved into position and reassembled. Access to the mechanical area is limited. See drawings for mechanical room access and space limitations. Also, confirm fan and coils can be moved into position without altering existing building. If split fan or coils are required then they shall be provided.
- B. A representative of the contractor must be factory trained for installation of the Air Handler.
- C. Unit to be constructed of domestic steel.
- D. All section shall be designed for wash down.

1.3 TRANSPORT

- A. All units to be shrink wrapped for shipping and have a method of humidity control installed at the factory (desiccant bags, electric heater, etc.) and removed after installation.

1.4 PERFORMANCE REQUIREMENTS

- A. The following sections reference testing. The purpose of this is to ensure first that the unit design is adequate to meet the performance specifications.
1. Tests will be performed at $\pm 8"$ of static pressure for the entire air handling unit.
 2. Units must be tested in a fully assembled state equal to that of operation equipment with unit sections mated and attached per Installation and Operation Manual instructions. AHU may not have temporary modification, caulking, lubricant, tape or other item designed to help it pass the test. Air handler doors will be closed using the factory locking mechanism normally supplied with the door, no additional blocking or modifications are allowed.
 3. Units shall be field tested for leakage and deflection. The leakage rate shall not exceed 1.0% of design air flow. Test shall be performed per SMACNA duct construction manual. A calibrated orifice shall be used to measure leakage airflow.

4. A copy of the test results, and certification shall be sent to the engineer and Owner for approval prior to shipment.

B. Deflection Testing

1. Deflection shall be measured using an independently supported dial indicator.
2. Sections of the unit operating under positive pressure will be tested under positive pressure; section of the unit operating under negative pressure will be tested under negative pressure.
3. Maximum allowable wall and ceiling deflection is $L/200$ (0.50%) of the height of the panel being tested.
4. For each of the tests, either positive or negative, all points will be tested simultaneously. This typically involves at least six testing points, one on the largest panel in each wall and the roof, one on a panel in the end wall, and two other points determined at the time of the test. The test point is typically at the midpoint of the cabinet height and midpoint of the width.
5. Maximum allowable floor deflection is $L/240$ of the width of the floor being tested. Floor test is with a 300 lb load on one square foot at the center of the floor.
6. A copy of the test results, and certification shall be sent to the engineer and Owner for approval prior to shipment.

C. Leakage Testing

1. Maximum allowable leakage is the larger of 50 CFM or 1% of the rated air flow. Maximum allowable leakage will be combined leakage of both the positive and negative tests.
2. Temporary panels may be used to secure all duct, damper and similar openings in the air handler.
3. If the unit fails the leakage test then appropriate correction will be made to the unit and another test performed. After a second failure the manufacturer may offer a reduced value of no less than 5% of the unit cost. The University may choose to accept the reduced value or require further modification made and the unit tested again.
4. A copy of the test results, and certification shall be sent to the engineer and Owner for approval prior to shipment.

D. Vibration Testing

1. Factory and field test the fan installed on the fan skid and isolator rails. The entire fan skid shall be run-balanced at the specified speed.
2. The run balance shall include displacement measurements at the bearings in the horizontal, vertical and axial planes on the drive and opposite-drive sides of the fan shaft. Measurements shall not exceed 7 mils.
3. The run balance shall also include velocity measurements at the bearings in the horizontal, vertical and axial planes on the drive and opposite-drive sides of both the fan shaft and the motor. Measurements shall not exceed 0.25 inches per second velocity.

1.5 SUBMITTALS

- A. Product Data: To be submitted at bid time. Reference Bid Form, Alternates Section for detailed description of deliverable format.
 - 1. Unit dimensions and weight. Shipping splits.
 - 2. Cabinet material, metal thickness, finishes, insulation, and accessories.
 - 3. Fans:
 - a. Certified fan-performance curves with system operating conditions indicated.
 - b. Certified fan-sound power ratings.
 - c. Fan construction and accessories.
 - d. Motor ratings, electrical characteristics, and motor accessories.
 - 4. Certified coil-performance ratings with system operating conditions indicated.
 - 5. Dampers, including housings, linkages, and operators.
 - 6. Filters with performance characteristics.
 - 7. All construction specifications including materials, thickness, insulation values, hinges, handles, and gaskets.
 - 8. Motor rating, bearings life, fan.
 - 9. Wiring diagram, power connections.
 - 10. Certified dimensional drawings.
 - 11. Any specific items, components, characteristics which differentiate this equipment from other manufacturers.
- B. Source quality-control reports.
- C. Operation and maintenance data.

1.6 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. NFPA Compliance: Comply with NFPA 90A for design, fabrication, and installation of air-handling units and components.
- C. Comply with NFPA 70.

PART 2 - PRODUCTS

2.1 CUSTOM AIR HANDLING UNIT

- A. Manufacturers
 - 1. Air Flow Equipment

2. Haakon
3. Air Enterprise
4. Ventrol

B. Unit Casing

1. Unit shall be constructed of a complete frame with removable panels as required for coil and fan removal. Removal of side panels must not affect the structural integrity of each module. All exterior wall panels shall be made of minimum 16 gauge, G90 galvanized steel. Closed-cell foam gasketing shall be utilized where modules are joined. Unit casing including floors shall be 4" double-wall with smooth, 20 GA galvanized steel interior liner. A minimum R-9, including doors, base and under drain pan shall be provided.
2. Units shall have an insulated, double-wall stainless steel, all welded 3" deep drain pan fabricated from 16 gauge 304 stainless steel under cooling coil for drainage of condensate. Cooling coil section shall have stainless steel liner and stainless steel coil racks. There shall be a minimum 2" insulation below the drain pan. A NPT steel drain connection as sized on drawings, shall be provided on one side of the unit exit from the side of the condensate pan (not out bottom) and mounted below bottom of drain pan. No bathtub fittings allowed. Pans pitched to outlet. Pans shall be of required length to catch all condensate. Every wetted part and piece excluding coil fins and tubes shall be stainless steel including nipple from the drain pan.
3. All sections will be designed for wash down and have a drain in the floor to allow for squeegee removal of water. All floors to be continuously welded and water-tight. 1/8" thick aluminum tread-plate with 1½" turned-up construction at floor and wall joints.
4. Hinged, removable double-wall access doors with two step safety handles, operable from both sides of unit, shall be provided for quick access to the interior of the unit casing. Doors attached by screws, or doors not continuously gasketed are not acceptable. All doors to open against pressure. See Drawings for sizes and locations.
5. Unit shall be completely assembled at factory, tested (must pass test), then disassembled for shipment. Unit will be reassembled in place by factory authorized supervision. Unit shall be shipped knocked down in pieces to allow entry into building. Unit shall be supplied with sufficient gaskets, bolts and hardware for field assembly by the contractor. Field verify maximum allowable size.
6. Top of unit shall have no screw holes.
7. Each section of the air handler shall have a factory installed cast iron or aluminum port with a gasketed screw cap removable from the outside of the unit. Like Ventlok No. 699.

C. Unit Casing Penetrations

1. All piping, conduit, etc. that penetrates unit casing shall be factory penetrations complete with grommets and sealed air tight.

D. Insulation

1. Complete unit including fan, access, coil and filter sections shall be factory insulated with 2 pound density R-9 insulation same thickness as wall. All connecting channels shall be insulated to prevent sweating. All insulation shall have a maximum flame spread of 25 and a maximum smoke index of 50 when tested in accordance with ASTM E84.
- E. Dampers and Unit Openings: Provide flanged openings and dampers capable of handling full air flow for return air, and outside air. Arrange openings as indicated. Provide dampers as where shown on drawings. Dampers to be TAMCO 1500.
1. Aluminum airfoil frames and blades shall be a minimum of 12 gauge extruded aluminum. Blades shall be of a single unit airfoil design 6" wide.
 2. Frames shall be extruded aluminum channel with grooved inserts for vinyl seals. Standard frames shall be 2" x 4" x 5/8" on the linkage side, 1" x 4" x 1" on the other 3 sides.
 3. Pivot rods shall be 7/8" hexagon extruded aluminum interlocking into the blade section. Bearings shall be of a double sealed type with a Celcon inner bearing on a rod within a Polycarbonate outer bearing inserted into the frame to prevent the outer bearing from rotating.
 4. The bearing shall be designed so there are no metal-to-metal or metal-to-bearing riding surfaces. The interconnecting linkage shall have a separate Celcon bearing to eliminate friction inside the linkage.
 5. Blade linkage hardware shall be installed in a frame outside the airstream. All hardware shall be on non-corrosive, reinforced cadmium plated steel.
 6. Damper seals shall be designed for minimum air leakage by means of overlapping seals.
 7. Jack shaft assemblies shall be provided for multiple damper installations.
 8. Control contractor will ship actuators to manufacturer to be factory installed. This includes full face and bypass dampers as well as other dampers as shown on drawing.
- F. Filters
1. Units shall be complete with 2" MERV 8 pre-filters and 4" MERV 11 final filters.
 2. All filters to be 24x24 or 12x24. Provide blank off plates as required.
 3. Each filter blank shall have a magnehelic, externally mounted on the unit that will accurately measure each filter bank differential pressure.
 4. Provide quantity of filters as noted in Section 20 00 10.
- G. Motors
1. Motors shall be mounted integral to a spring isolated fan assembly furnished by the unit manufacturer. Motors shall be mounted inside the unit casing, and mounted on a slide base to permit adjustment of drive belt tension. All units to have provisions for motor removal.
 2. Motors shall be VFD rated and shall comply with "Electrical Motors" Section 20 00 50.
 3. Provide motor removal mono-rail, sized for L/400 deflection when fully extended and subjected to weight of the motor at the furthest extreme position. The removal rail shall be mounted in fan section, directly over motor. The removal rail will be

designed so the motor can be fully removed from the air handler and lowered onto a dolly with the traversing arm able to freely move while carrying the motor weight.

H. Drives

1. Unit configuration to be direct drive with fan wheel mounted directly to motor shaft.

I. Coils

1. Coil arrangement shall be as shown on drawings.
2. Reference "Coils" of Section 23 82 16 for coil specifications. All penetrations through the unit casing shall be sealed factory penetrations.
3. Stacked coils shall be independently supported with a rigid stainless steel frame so that bottom coil can be removed without removing upper coil condensate drain pan or upper coil.

J. Belt Drive Fans

1. Fans shall be Class III air foil / backward inclined centrifugal or plug style fan as shown on Fan Schedule on drawings. Also refer to Specification 23 34 16 for additional requirements.
2. Housed fan performance shall be certified as complying with ARI Standard 430-89. Centrifugal fans shall be dynamically balanced at the factory as a complete fan assembly (fan wheel and motor).
3. Fan and motor assembly shall be internally isolated from unit casing with spring isolators, furnished and installed by unit manufacturer. Fan scroll shall be attached to the unit casing by a flexible canvas duct.
4. All fans shall comply with AMCA 301, "Methods for Calculating Fan Sound Ratings from Laboratory Test Data". Test fans according to AMCA 300, "Reverberant Room Method for Sound Testing of Fans". Fans shall bear the AMCA-certified sound ratings seal.
5. Install air flow measuring station (AFMS) on inlet of each fan. AFMS shall provide a calibrated 0-10V output signal for control contractor's use.

K. Guards

1. Fabricate fan guards to OSHA/SMACNA requirements using 0.1046 inch (2.7 mm) thick, 0.75 inch (20 mm) diamond mesh wire screen welded to steel angle frame or equivalent; prime and finish coated.

L. Access Doors

1. Provide access doors in each section that contains internal equipment for temperature control elements, as shown on drawings and as specified here and elsewhere in these specifications.
2. Access doors shall be removable, hinged, fully-gasketed, double-wall construction similar to the module in which it is located.
3. Access doors shall comply with previously describe leakage test when closed in the normal fashion.

4. Access doors shall open against the static pressure of the section in which it is located, i.e., open inward downstream of fan and open outward upstream of fan.
5. Provide dual thermal pane view window with minimum dimensions of 10" x 10" if rectangular or diameter of 12" if circular in all access doors. Mid line of window will be no less than 4'-10" and no more than 5'-10" off the mechanical room floor, including air handler base and housekeeping pad.
6. Install door switch on fan housing door to de-energize fan when door is opened.

M. Electrical Connection

1. There shall be a total of two electrical connections to the unit. One connection for the fan motor, the other connection for the lights and convenience outlet.
2. All conduit penetrations shall be internally sealed with foam sealant to prevent the migration of condensation and water vapor in conduit.

N. Unit Arrangement

1. Review drawings for unit arrangement.

O. Lights

1. All lights shall have one hour wind-up timers.
2. All lights are to be wired through rain tight EMT conduit to a single junction box.
3. All lights to be in vapor proof housing.
4. All lights to be LED.

P. Verification of Fit

1. Manufacturer shall verify fit of AHU unit and confirm fit prior to bidding. Fit is the responsibility of the manufacturer if size is other than what is shown on drawings. Engineer will have final say on fit after unit is installed.

Q. Extra Materials

1. One set of gaskets for each door size

PART 3 - EXECUTION

3.1 INSTALLATION

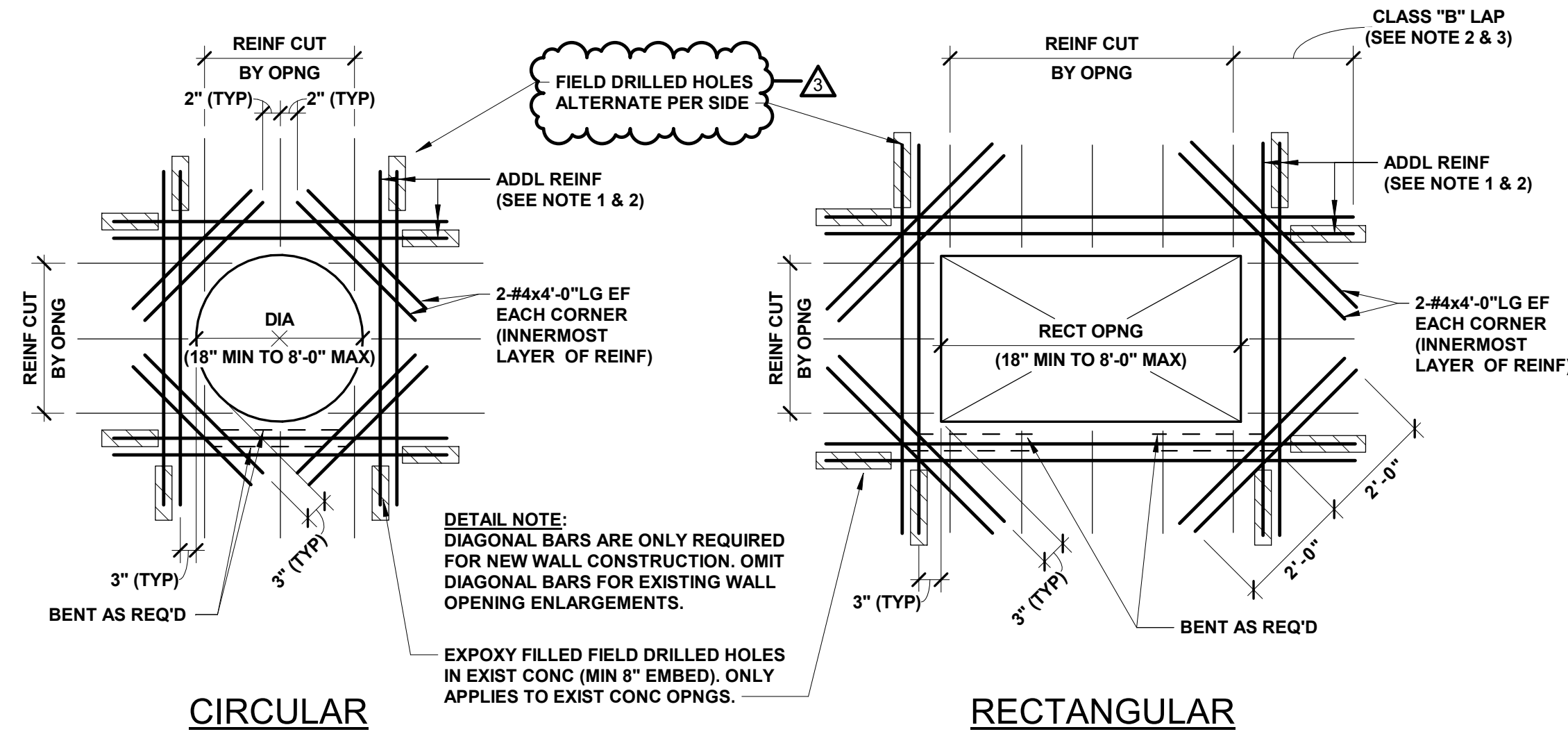
- A. The equipment manufacturer shall provide full assembly assistance for all knock-down units that shall consist of a factory supplied technician to be onsite during the entire assembly and construction of the air handlers. Local vendor representative is not acceptable for this assembly assistance. Factory supplied technician shall work in assisting and verifying proper assembly methods are used. This technician shall check all work and verify that all items are properly installed and secured to maintain all warranties and testing requirements.

- B. Equipment Mounting: Install air-handling units on concrete bases. Secure units to anchor bolts installed in concrete bases.
- C. Arrange installation of units to provide access space around air-handling units for service and maintenance.
- D. Do not operate fan system until filters (temporary or permanent) are in place. Replace temporary filters used during construction and testing, with new, clean filters.
- E. Install filter-gage, static-pressure taps upstream and downstream of filters. Mount filter gages on outside of filter housing or filter plenum in accessible position. Provide filter gages on filter banks, installed with separate static-pressure taps upstream and downstream of filters.
- F. Comply with requirements for piping specified in other Division 23 Sections. Drawings indicate general arrangement of piping, fittings, and specialties.
- G. Install piping adjacent to air-handling unit to allow service and maintenance.
- H. Connect condensate drain pans and extend to nearest floor drain. Construct deep trap at connection to drain pan and install cleanouts at changes in direction.
- I. Chilled-Water Piping per details on drawings.

3.2 OWNER TRAINING

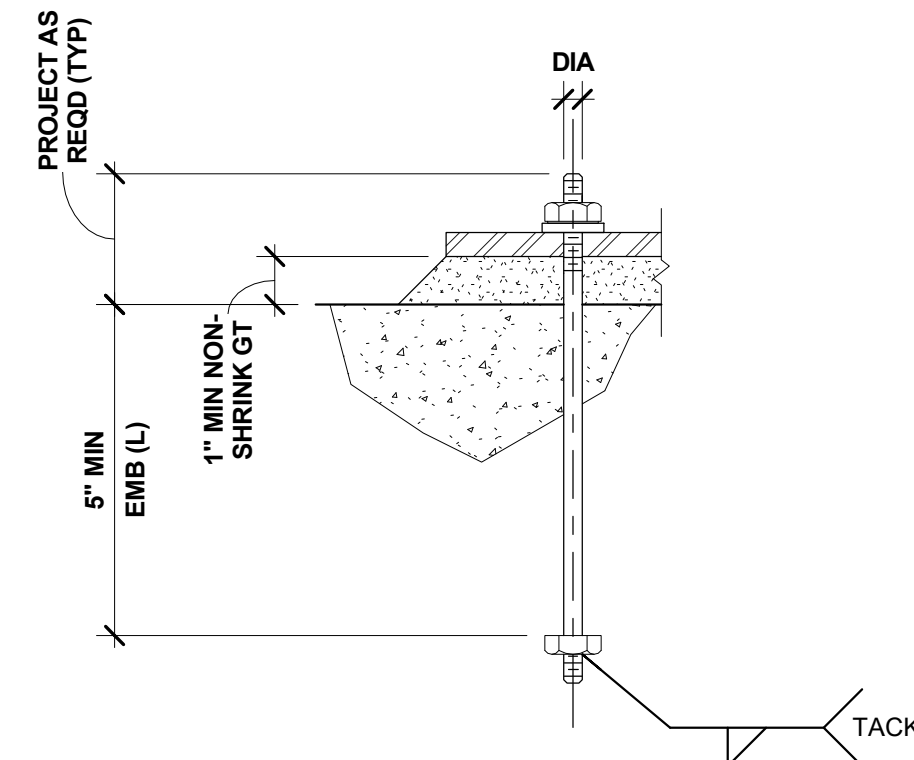
- A. Provide eight (8) hours of on site training in the proper operation and maintenance of all systems with the units.

END OF SECTION 23 73 24



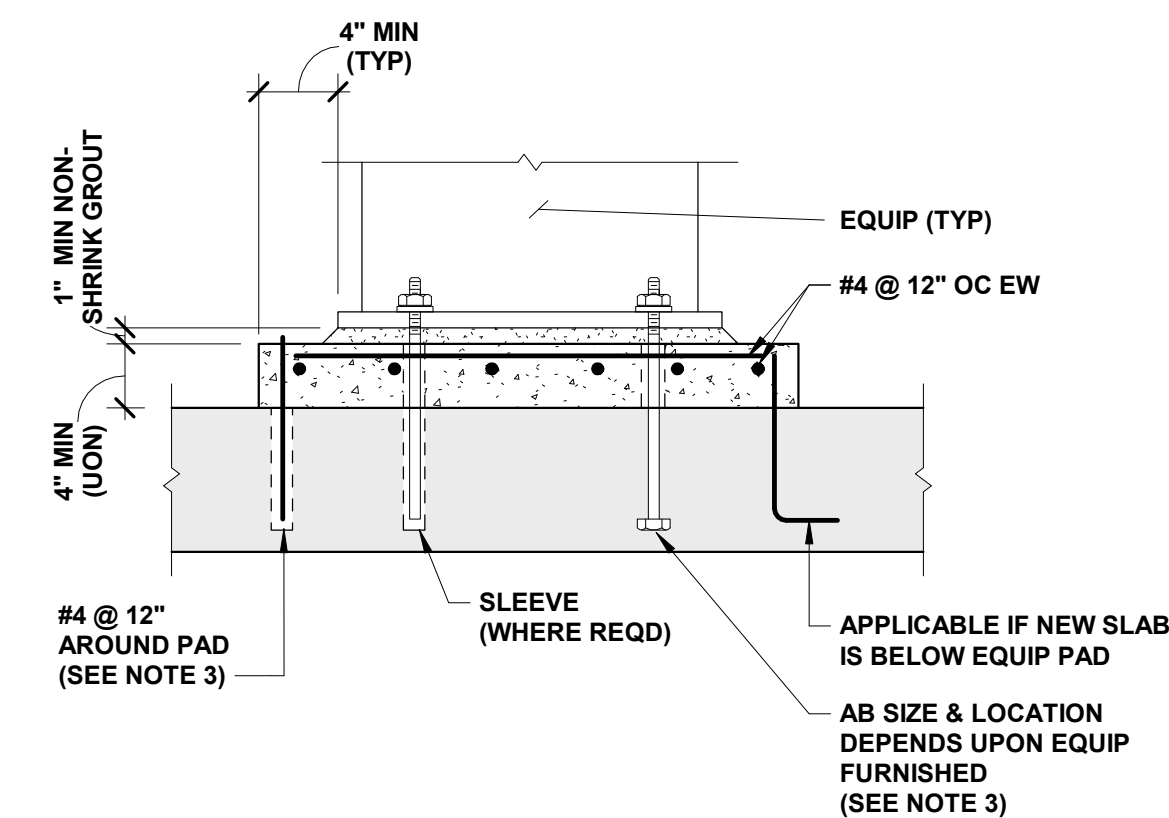
NOTES:

1. PROVIDE ADDITIONAL REINFORCEMENT AT ALL OPENINGS, ACCESS HATCHES, PIPE PENETRATIONS, ETC. EQUAL IN AREA TO TYPICAL REINFORCEMENT CUT BY OPENING IN EACH DIRECTION. ADDITIONAL REINFORCEMENT TO MATCH SIZE OF TYPICAL REINFORCEMENT (MIN 2 BARS ES AND EF) AND PLACED BETWEEN TYPICAL REINFORCEMENT @ 3" SPACING ON EACH SIDE OF OPENING
2. PROVIDE MATCHING DOWELS WHERE REQUIRED TO PROVIDE CLASS "B" LAP WITH ADDITIONAL REINFORCEMENT. (WHERE LAPPING OF ADDITIONAL REINFORCEMENT FROM ADJACENT OPENINGS OCCUR, ADDITIONAL REINFORCEMENT SHALL BE COMBINED).
3. IF A WALL OR BEAM IS ADJACENT TO THE OPENING, THE ADDITIONAL REINFORCEMENT ON THAT SIDE OF THE OPENING CAN BE OMITTED.



NOTES:

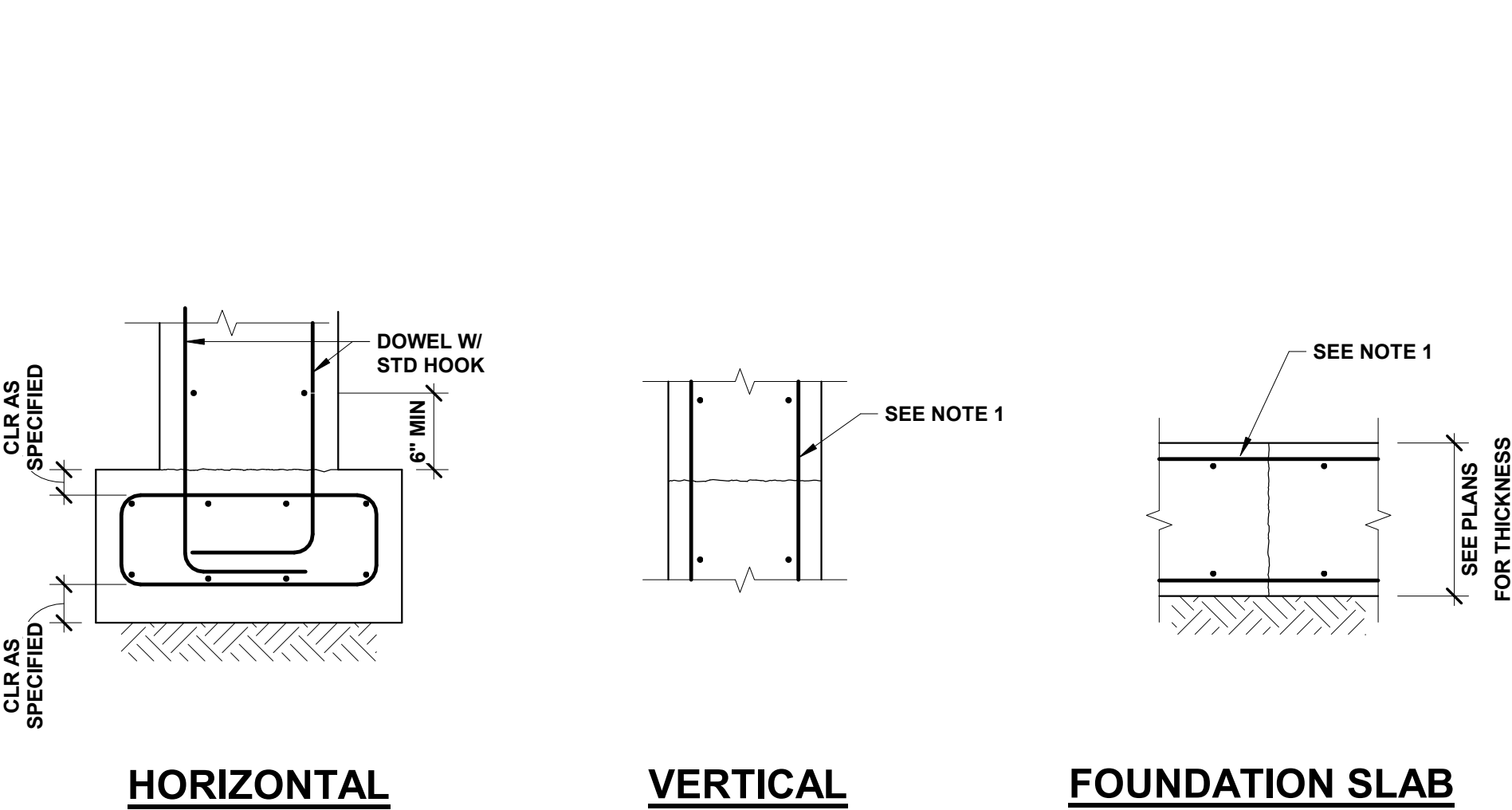
1. REFER TO SPECIFICATIONS OR CONTRACT DRAWING DETAILS FOR ANCHOR BOLT EMBEDMENT DEPTH REQUIREMENTS. ANCHOR BOLT DIAMETER SHALL BE AS SHOWN OR AS REQUIRED BY EQUIPMENT MANUFACTURER.
2. REFER TO SPECIFICATIONS, CONTRACT DRAWING DETAILS OR MANUFACTURER'S DETAILS FOR ANCHOR BOLT MATERIAL REQUIREMENTS.



NOTES:

1. PROVIDE TYPICAL 4" MINIMUM CONCRETE SUPPORT PAD FOR ALL EQUIPMENT UON.
2. COORDINATE LOCATION AND SIZE OF PADS WITH MEP DRAWINGS AND MANUFACTURERS CERTIFIED DRAWINGS.
3. FOR EXISTING SLABS, DRILL HOLE DIAMETER AND DEPTH IN EXISTING SLAB PER MANUFACTURER'S REQUIREMENTS FOR ADHESIVE ANCHORAGE SYSTEM USED.

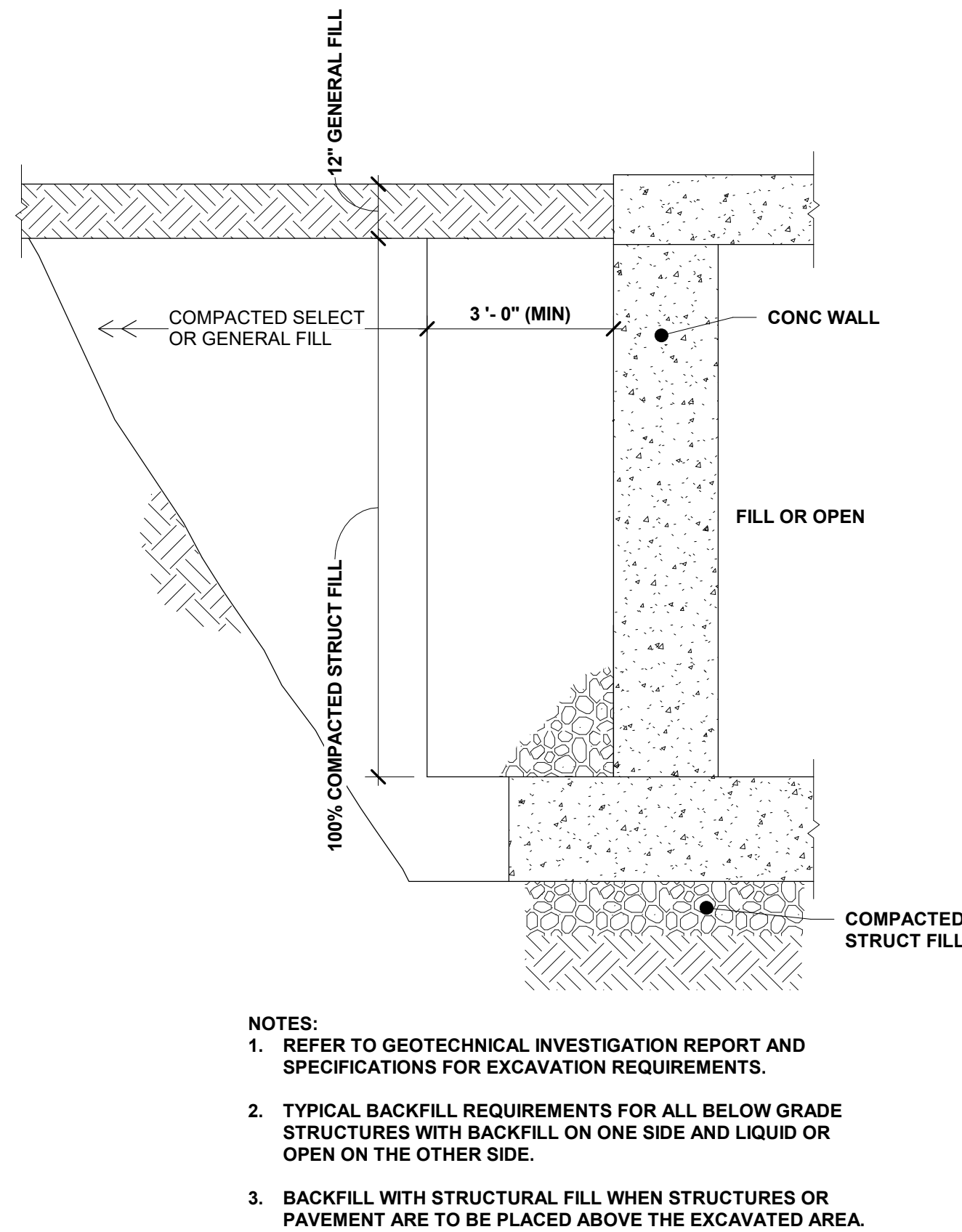
1 TYPICAL REINFORCING AROUND OPENING IN WALL AND SLAB



NOTES:

1. CONTINUE ALL REINFORCEMENT BARS THRU JOINTS.
2. ROUGHEN CJ AS SPECIFIED.
3. PROVIDE CLASS "B" LAP ON OUTSIDE FACE DOWEL (UON).
4. REFER TO SPECIFICATIONS FOR CONSTRUCTION JOINT SPACING.

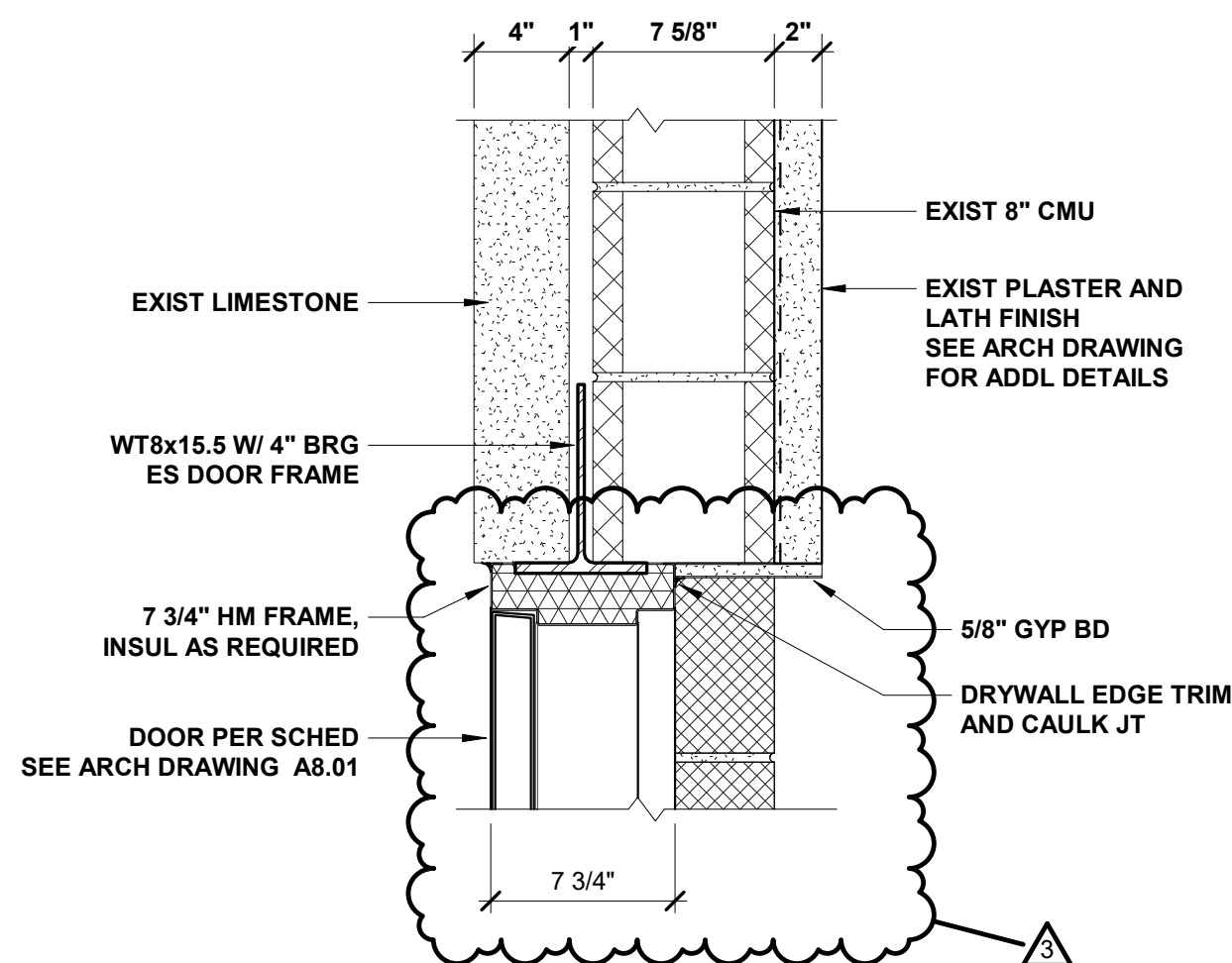
2 TYPICAL ANCHOR BOLT DETAIL



NOTES:

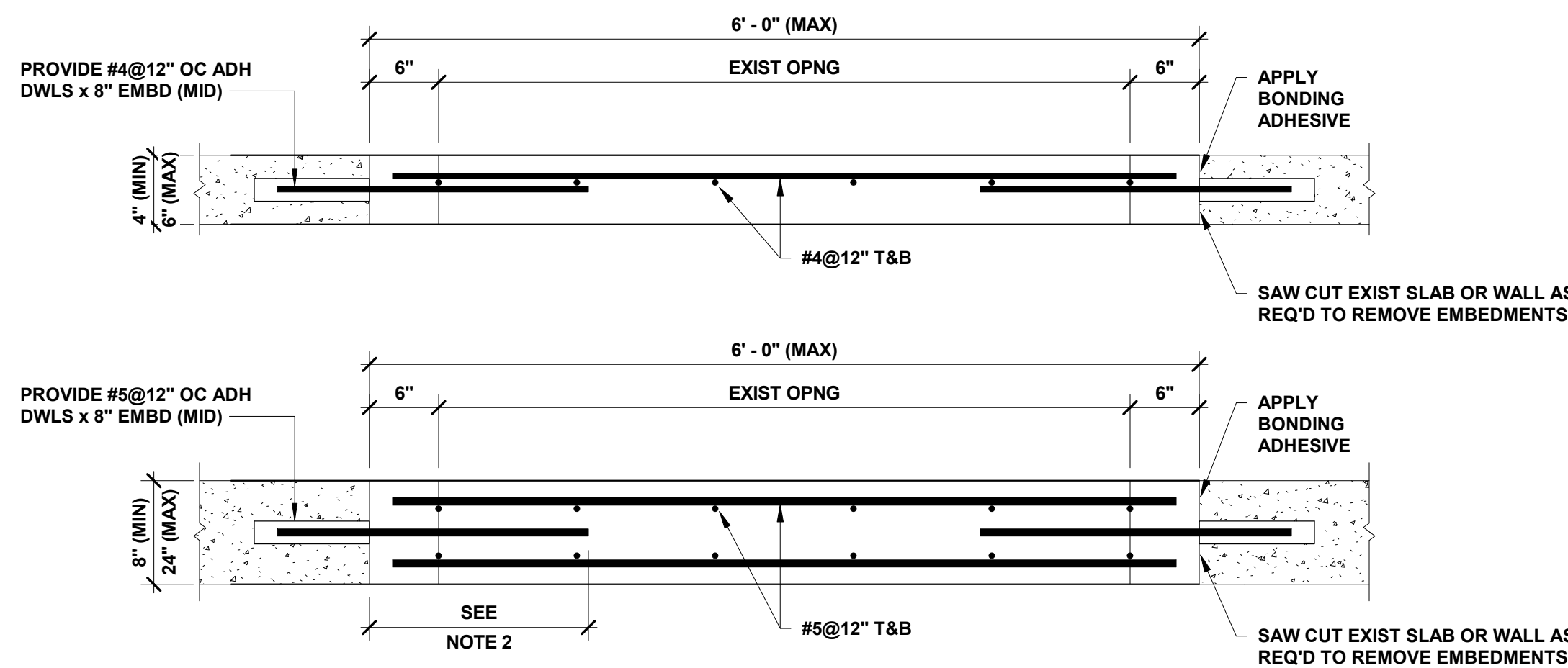
1. REFER TO GEOTECHNICAL INVESTIGATION REPORT AND SPECIFICATIONS FOR EXCAVATION REQUIREMENTS.
2. TYPICAL BACKFILL REQUIREMENTS FOR ALL BELOW GRADE STRUCTURES WITH BACKFILL ON ONE SIDE AND LIQUID OR OPEN ON THE OTHER SIDE.
3. BACKFILL WITH STRUCTURAL FILL WHEN STRUCTURES OR PAVEMENT ARE TO BE PLACED ABOVE THE EXCAVATED AREA.

4 TYPICAL CONSTRUCTION JOINT DETAIL



7 TYP LINTEL

5 TYPICAL CONCRETE WALL BACKFILL DETAIL

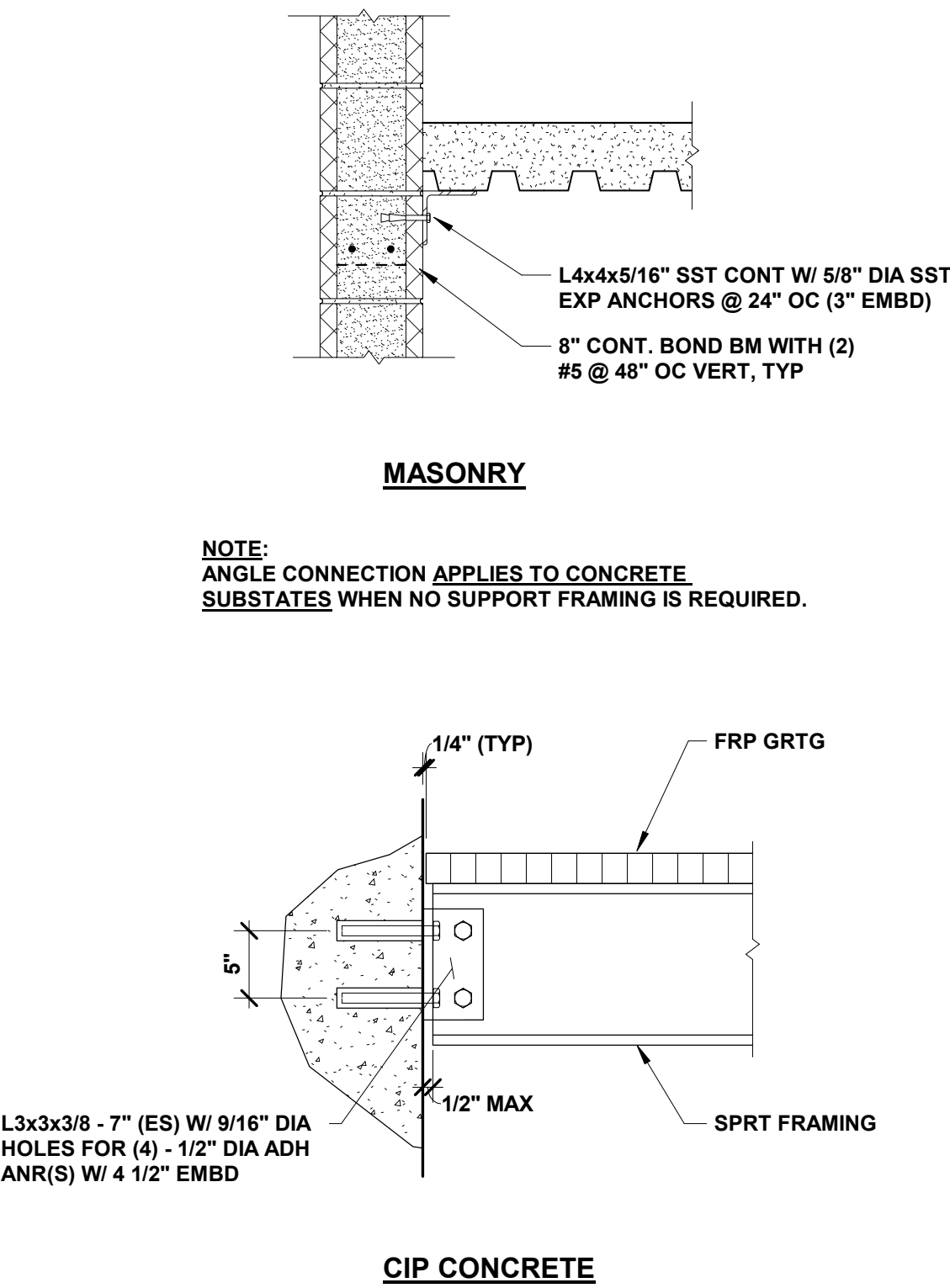


NOTES:

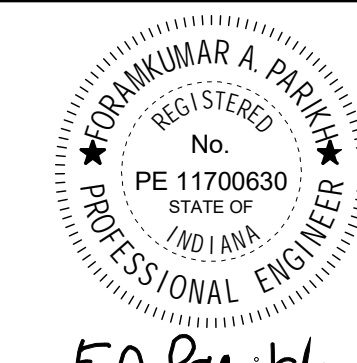
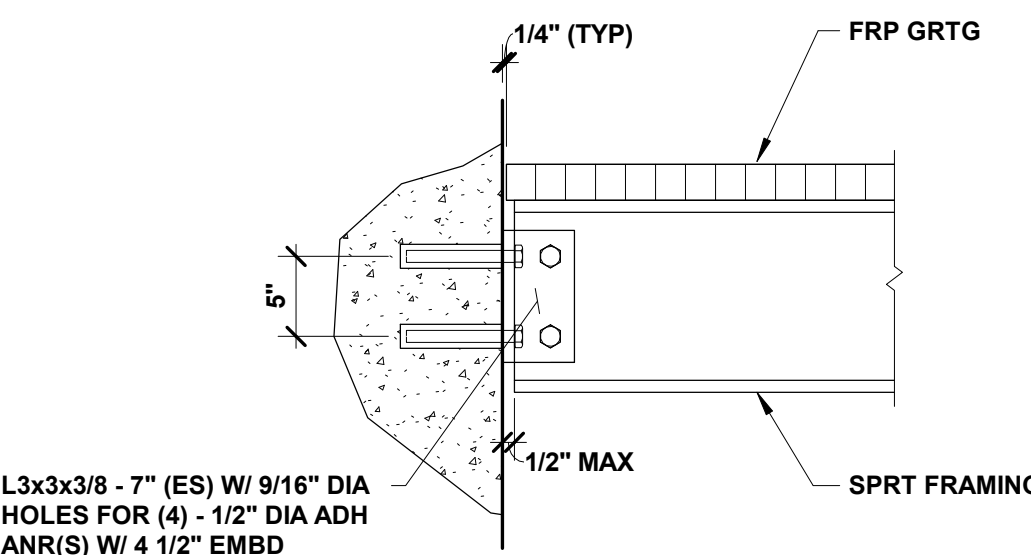
1. TYPICAL DETAILS FOR EXISTING SLAB, WALL, AND ROOF OPENINGS AT VARIOUS THICKNESSES.
2. REINFORCING BAR EMBEDMENT LENGTH (MIN).
3. MAXIMUM 300 PSF SERVICE LOAD ON OPENING (TYP).
4. DON'T CUT THROUGH ANY EXIST BEAMS, JOISTS, OR COLUMNS TO INSTALL DETAIL WHERE APPLICABLE. CONSULT STRUCTURAL ENGINEER IF FIELD CONDITIONS VARY FROM DETAILS.
5. IF CLOSURE IS CIRCULAR, PLACE EMBED BAR ON RADIAL PATTERN AROUND OPNG @ SAME SPACING AS SHOWN ABOVE.

8 TYPICAL OPENING CLOSURE DETAIL AT CONCRETE WALL, SLAB, OR ROOF

3 TYPICAL CONCRETE EQUIPMENT PAD DETAIL



6 TYPICAL FRAMING TO CONNECTION



SEAL AFFIXED: 06-11-2020
CERTIFICATION

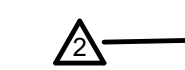
Construction Documents

Indiana State University -
Dreiser Hall Renovation

Terre Haute, Indiana 47809

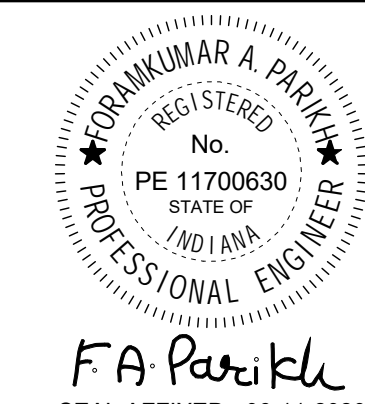
Project No.: 19A052
Drawn By: J. Hand
Checked By: F. Parikh
Scale: See Drawing
Issue Date: June 5, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020



Standard Str. Details

S0.02



SEAL AFFIXED: 06-11-2020

Construction Documents

Indiana State University -
Dreiser Hall Renovation

Terre Haute, Indiana 47809

Project No.: 19A052
Drawn By: J. Hand
Checked By: F. Parikh
Scale: See Drawing
Issue Date: June 5, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020



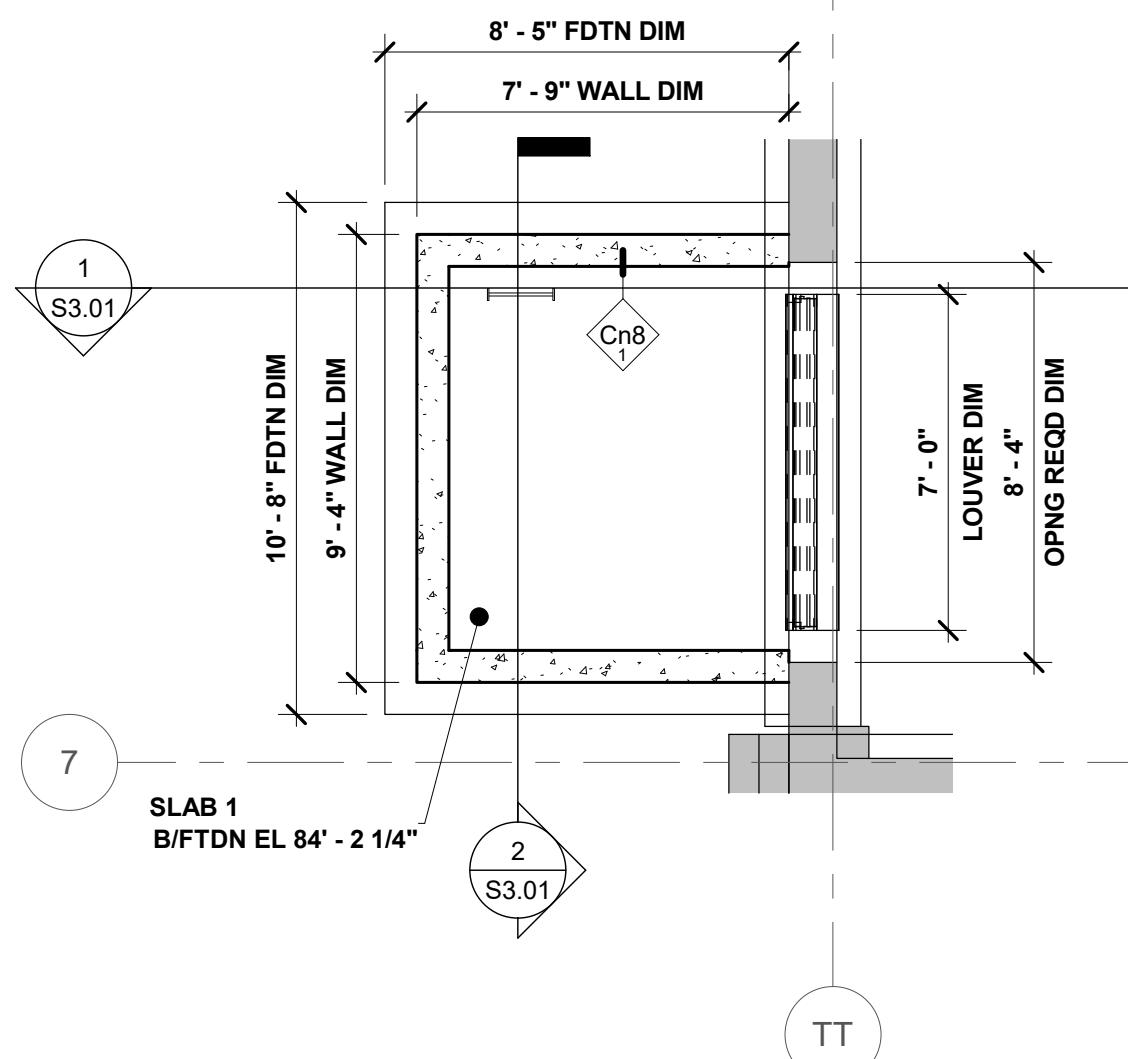
Str. Basement Floor Plan

S1.00

- ### STRUCTURAL NOTES ELEVATOR FOUNDATION
- FIELD VERIFY ALL DIMENSIONS.
 - AFTER COMPLETION OF DEMOLITION OF EXIST FLOOR SLAB AS SHOWN ON D1.00, COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO EXCAVATION FOR NEW ELEVATOR PIT FOUNDATION.
 - CONTRACTOR IS RESPONSIBLE FOR ALL SHORING AND BRACING TO MINIMIZE SETTLEMENT OF EXISTING STRUCTURE DURING UNLOADING AND RELOADING OF FOUNDATIONS.
 - FOUNDATION SLAB DESIGN
 - LL W/ IMPACT = 101 K
 - TOTAL LOAD = 2,425 PSF (SERVICE)
 - SEE S0.03 & SPECIFICATIONS FOR MASONRY CONSTRUCTION.
 - ALL CMU WALLS ARE SPECIAL REINFORCED MASONRY SHEAR WALLS. CONT BOND BM REQ'D @ T/ & B/WALL IF MAS DOESN'T CLOSE FLUSH WITH EXIST BM, FILL IN WITH PLATE OR ANGLE CONNECTED TO BOTH BOND BM AND EXIST CONC BM.
 - CMU SHALL HAVE NO EXPANSION OR CONTROL JOINTS.
 - SEE DETAIL 4 ON DRAWING A4.01 FOR ADDITIONAL INFORMATION.
 - SEE A8.01 FOR ELEVATOR DOOR INFORMATION.
 - SEE S4.01 AND S4.03 FOR FOUNDATION, FLOOR, AND WALL REFORCEMENT INFORMATION.
 - SEE S4.01 FOR SUMP PIT DETAILS.

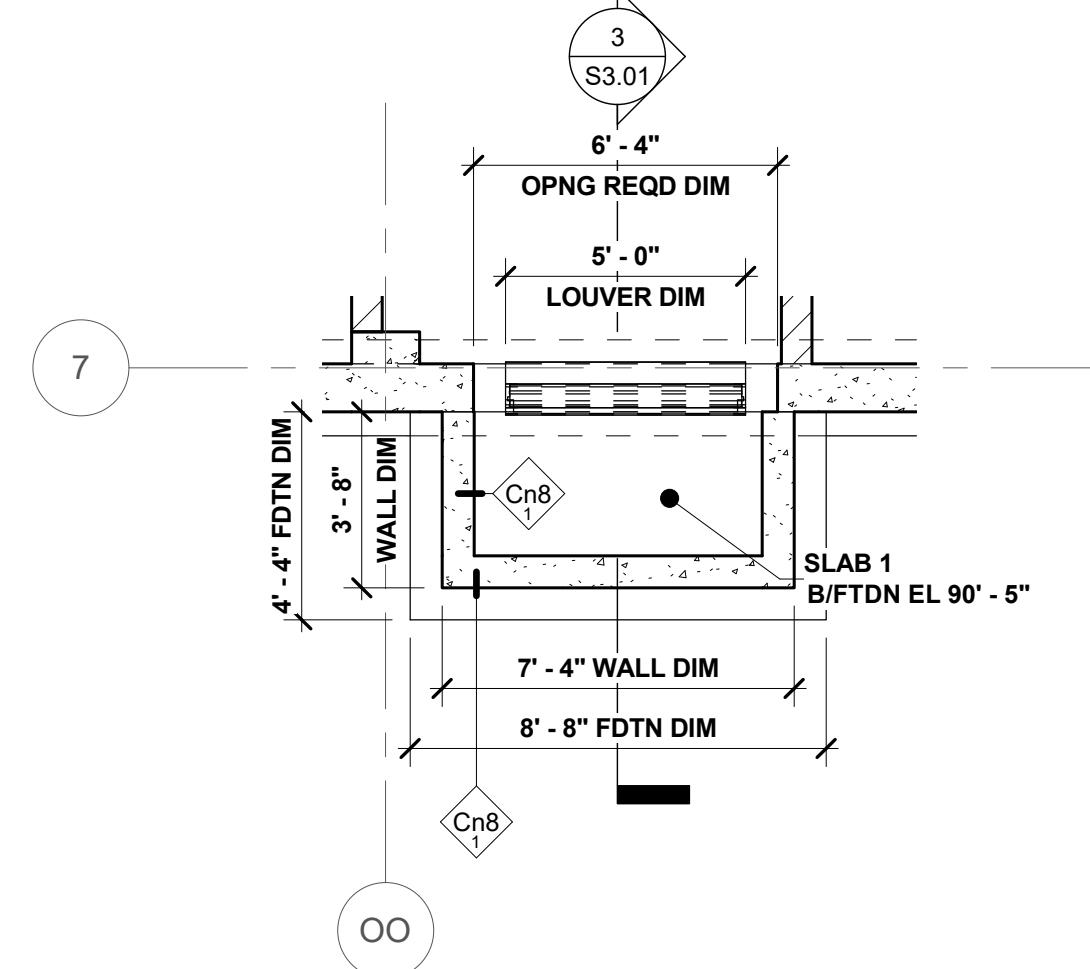
- ### PLAN NOTES:
- WALL TAGS ARE FOR CONC PIT WALLS.
 - WALL TAGS ARE TYPICAL UON.

2 Structural Plan
Elevator - Pit Foundation
S1.00 1/4" = 1'-0"

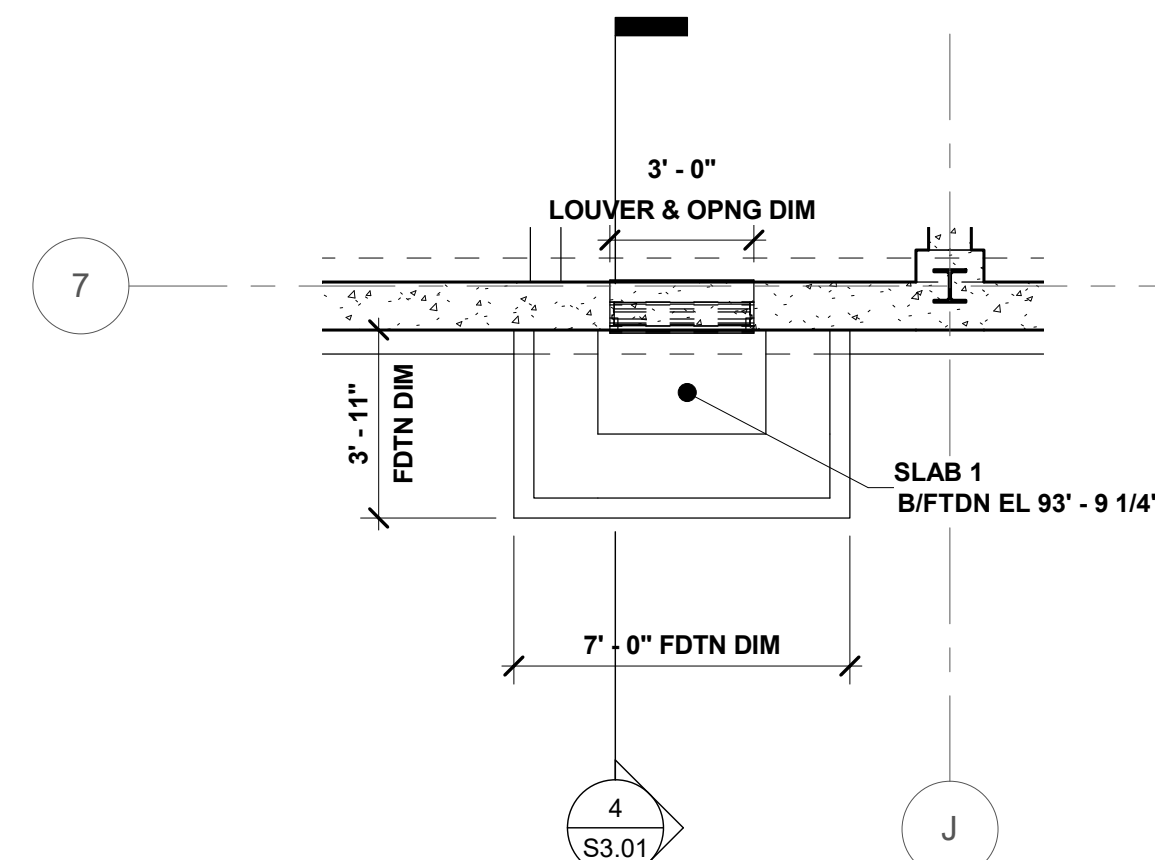


3 Structural Plan
Louver Pit - South
S1.00 1/4" = 1'-0"

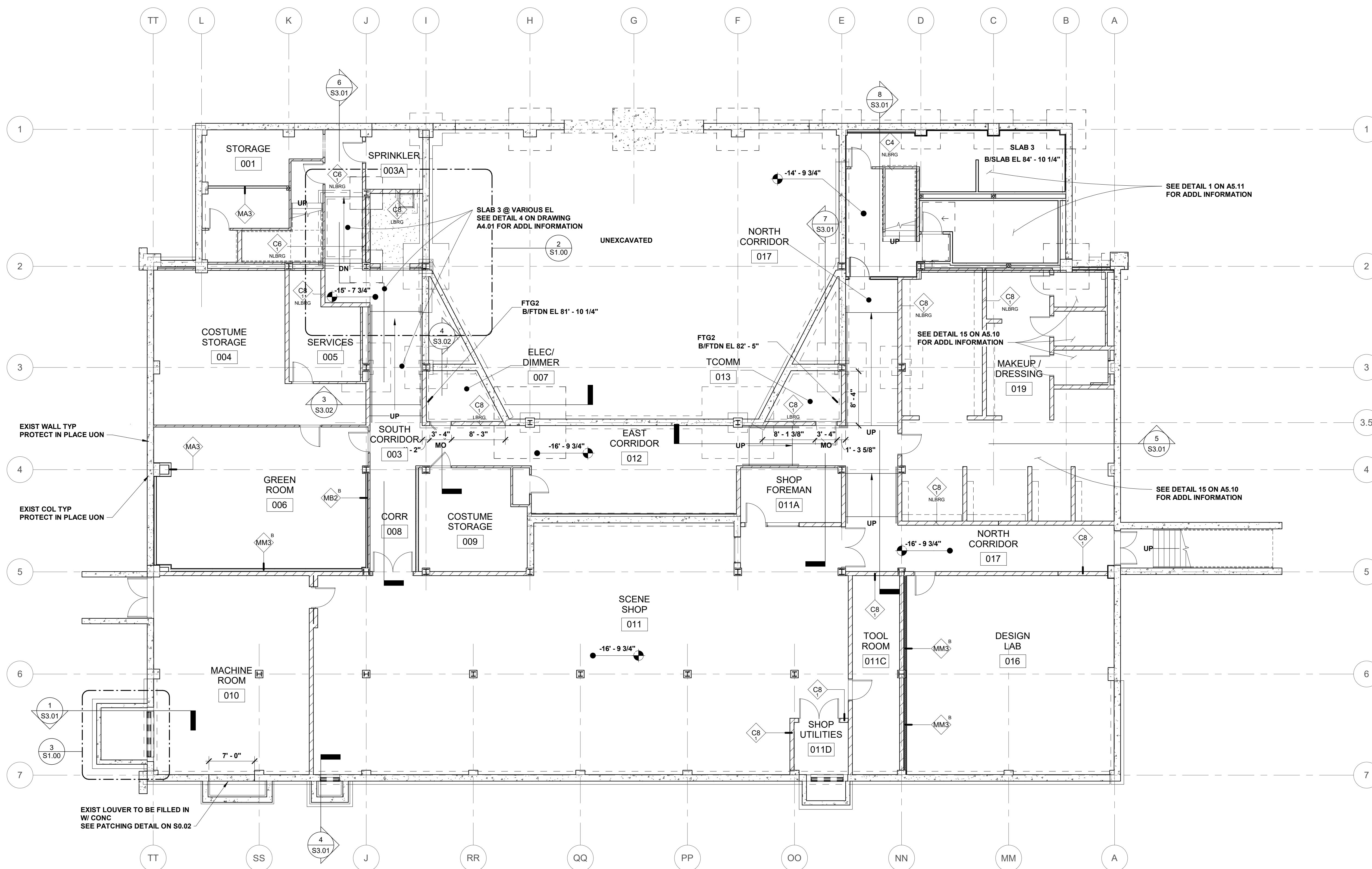
- ### STRUCTURAL NOTES LOUVER PITS
- SEE MECH DRAWINGS FOR ADDITIONAL DETAILS.
 - SEE S3.01 FOR WALL REINF DETAILS.
 - WALL TAGS ARE TYPICAL UON.



4 Structural Plan
Louver Pit - East 1
S1.00 1/4" = 1'-0"



5 Structural Plan
Louver Pit - East 2
S1.00 1/4" = 1'-0"



1 Structural Plan
Basement - Plan EL 83'-2 1/4"
S1.00 1/8" = 1'-0"

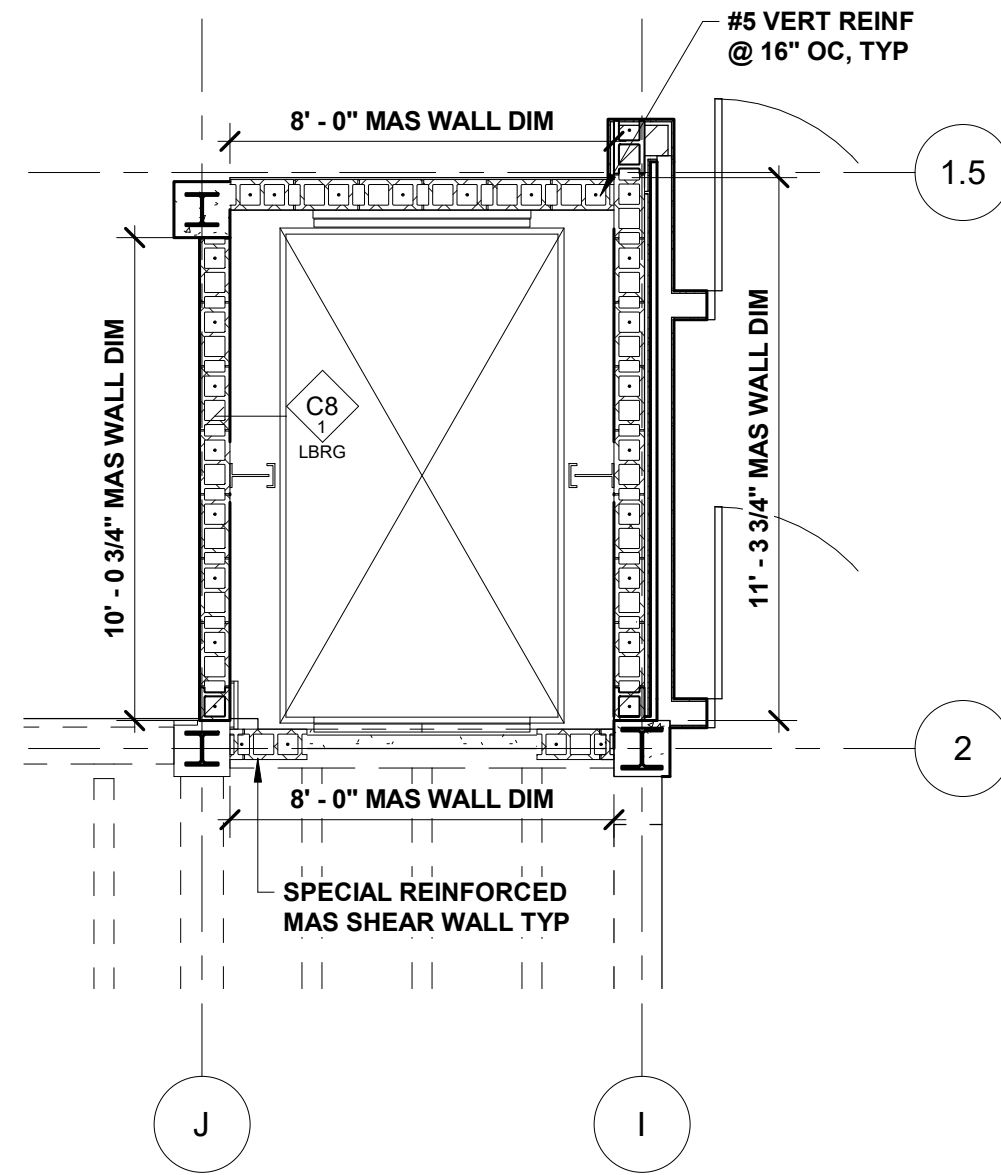
- ### SYMBOL LEGEND
- 101 DOOR TAG: SEE SHEET A8-SERIES DRAWINGS
 - WALL TAG: SEE SHEET A0.10 and A0.11 FOR WALL TYPE, FIRE RATING, AND STRUCTURAL USAGE REQUIREMENTS. SEE A4 SERIES DRAWINGS FOR WALL FINISHES.

- ### STRUCTURAL NOTES BASEMENT
- FIELD VERIFY ALL DIMENSIONS.
 - SEE D1.00 FOR ALL REMAINING DEMOLITIONS ITEMS.
 - WALLS MARKED FOR STRUCTURAL USAGE UON.
 - SEE S0.03 & SPECIFICATIONS FOR MASONRY CONSTRUCTION.
 - CMU SHALL HAVE NO EXPANSION OR CONTROL JOINTS.
 - NOT ALL EXISTING FOUNDATIONS ARE SHOWN, ONLY SHOWN IF THERE IS POTENTIAL FOR CONFLICT.
 - SEE A1.00 & A1.00A DRAWINGS FOR ADDL ROOM, DOOR, & DIMENSIONAL INFORMATION.
 - ALL NEW INTERIOR NON-LOAD BEARING WALL WILL BE REINFORCED W/ #5 @ 32" OC UON. CONT BOND BM REQ'D @ T/ & B/WALL IF MAS DOESN'T CLOSE FLUSH WITH EXIST BM, FILL IN WITH PLATE OR ANGLE CONNECTED TO BOTH BOND BM AND EXIST CONC BM.
 - ALL NEW INTERIOR NON-LOAD BEARING METAL STUD WALLS WILL BE FRAMED W/ STUDS @ 24" OC UON.

- ### GENERAL STRUCTURAL NOTES
- DO NOT SCALE DRAWINGS.
 - FOR GENERAL NOTES AND TYPICAL DETAILS SEE S0.01 TO S0.03 DRAWINGS.
 - FOR ADDITIONAL BUILDING INFORMATION SEE DRAWINGS FROM DIVISIONS A, D, M, E, T, P, & FP.

STRUCTURAL NOTES
ELEVATOR 1ST FLR

1. FIELD VERIFY ALL DIMENSIONS.
2. SEE S0.03 & SPECIFICATIONS FOR MASONRY CONSTRUCTION.
3. ALL CMU WALLS ARE SPECIAL REINFORCED MASONRY SHEAR WALLS. CONT BOND BM REQ'D @ T & S WALL. IF MAS DOESN'T CLOSE FLUSH WITH EXIST BM, FILL IN WITH PLATE OR ANGLE CONNECTED TO BOTH BOND BM AND EXIST CONC BM.
4. CMU SHALL HAVE NO EXPANSION OR CONTROL JOINTS.
5. SEE A8.01 FOR ELEVATOR DOOR INFORMATION.



2 Structural Plan
Elevator - 1st Floor

S1.01

1/4" = 1'-0"

3 Structural Plan
South Louver Framing Plan - For Grating

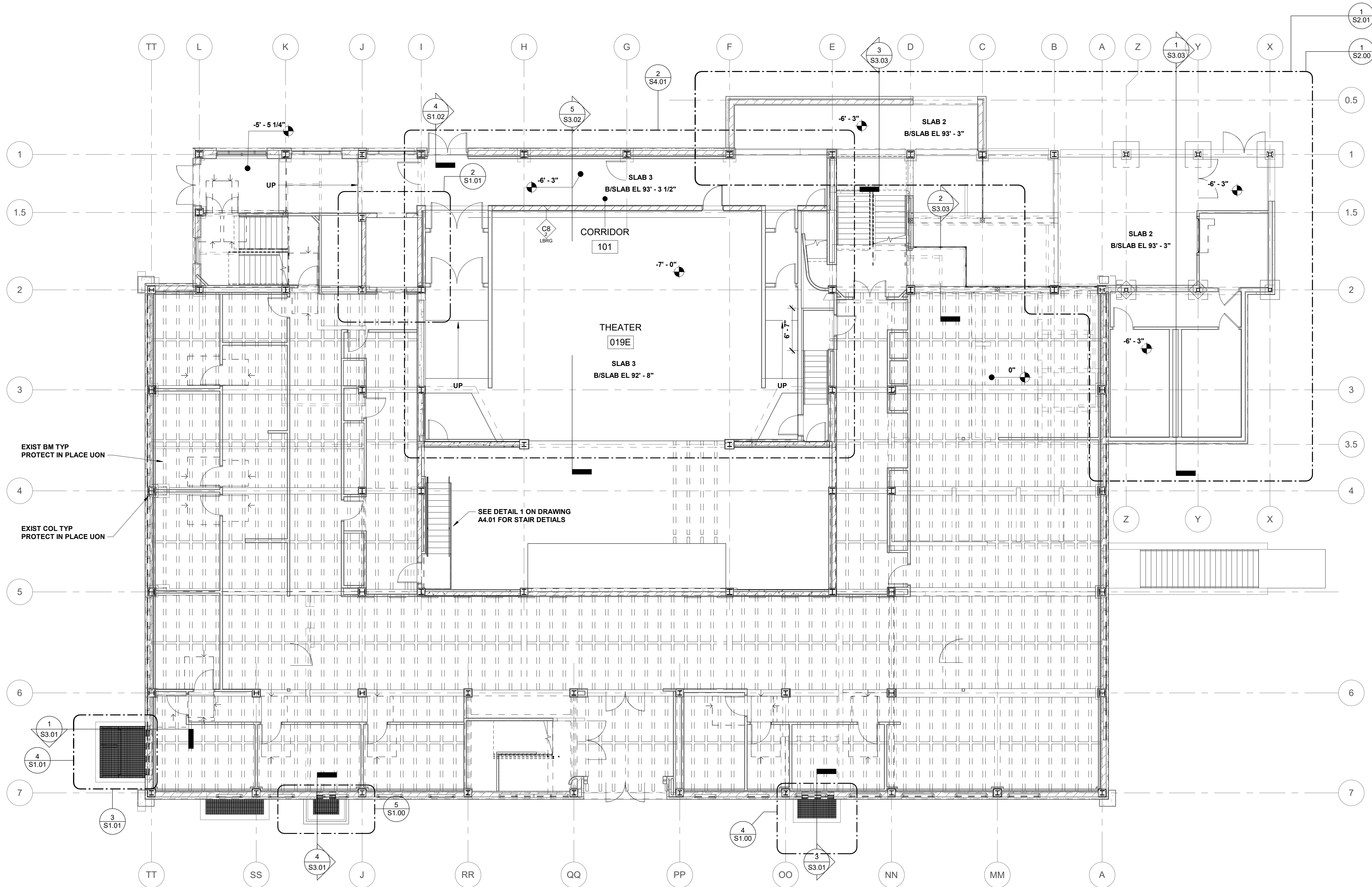
S1.01

3/8" = 1'-0"

4 Structural Plan
South Louver Grating Plan

S1.01

3/8" = 1'-0"



1 Structural Plan
1st Floor - Plan EL 100'-0"

S1.01

1/8" = 1'-0"

SYMBOL LEGEND

- 101 DOOR TAG: SEE SHEET A8-SERIES DRAWINGS
- WALL TAG: SEE SHEET A0.10 and A0.11 FOR WALL TYPE, FIRE RATING, AND STRUCTURAL USAGE REQUIREMENTS. SEE A4 SERIES DRAWINGS FOR WALL FINISHES.

STRUCTURAL NOTES
1ST FLOOR

1. FIELD VERIFY ALL DIMENSIONS.
2. SEE S4.01 FOR AUDITORIUM FOUNDATION PLAN.
3. SEE D1.01 FOR ALL REMAINING DEMOLITIONS ITEMS.
4. AFTER COMPLETION OF DEMOLITION OF EXIST AUDITORIUM FLOOR SLAB & ADJACENT HALLWAY SLAB AS SHOWN ON D1.01, COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO EXCAVATION FOR WALL FOUNDATION.
5. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING AND BRACING TO MINIMIZE SETTLEMENT OF EXISTING STRUCTURE DURING UNLOADING AND RELOADING OF FOUNDATIONS.
6. FLOOR DESIGN LL
 - a. AUDITORIUM SLAB = 100 PSF
 - b. LOBBY ADDITION SLABS = 100 PSF
 - c. ELSEWHERE = 40 PSF
7. ALL INTERIOR WALLS ARE NON-LOAD BEARING UON.
8. SEE S0.03 & SPECIFICATIONS FOR MASONRY CONSTRUCTION.
9. CMU SHALL HAVE NO EXPANSION OR CONTROL JOINTS.
10. NOT ALL EXISTING FOUNDATIONS ARE SHOWN, ONLY SHOWN IF THERE IS POTENTIAL FOR CONFLICT.
11. SEE A1.01 & A1.01A DRAWINGS FOR ADDL ROOM, DOOR, & DIMENSIONAL INFORMATION.
12. ALL NEW INTERIOR NON-LOAD BEARING WALL WILL BE REINFORCED W/ #5 @ 32" OC UON.
13. ALL NEW INTERIOR NON-LOAD BEARING METAL STUD WALLS WILL BE FRAMED W/ STUDS @ 24" OC UON.

GENERAL STRUCTURAL NOTES

1. DO NOT SCALE DRAWINGS.
2. FOR GENERAL NOTES AND TYPICAL DETAILS SEE S0.01 TO S0.03 DRAWINGS.
3. FOR ADDITIONAL BUILDING INFORMATION SEE DRAWINGS FROM DIVISIONS A, D, M, E, T, P, & FP.

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Structural Engineer

4275 North High School Road
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Phone: (317) 293-3542
Website: www.vsenengineering.com

RE Dimond
MEP Engineer

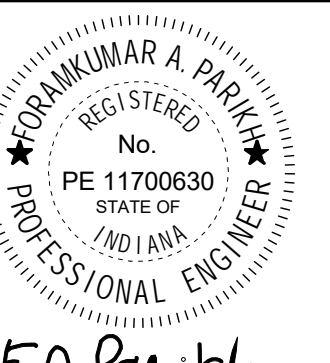
732 North Capitol Avenue
Indianapolis, IN 46204
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Website: www.redimond.com

Design 27
Acoustical Engineer

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Civil Engineer

525 West Honey Creek Drive
Terre Haute, IN 47802
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Website: www.myersengineering.com



SEAL AFFIXED: 06-11-2020
CERTIFICATION

Construction Documents

Indiana State University -
Dreiser Hall Renovation

Terre Haute, Indiana 47809

Project No.: 19A052
Drawn By: J. Hand
Checked By: F. Parikh
Scale: See Drawing
Issue Date: June 5, 2020

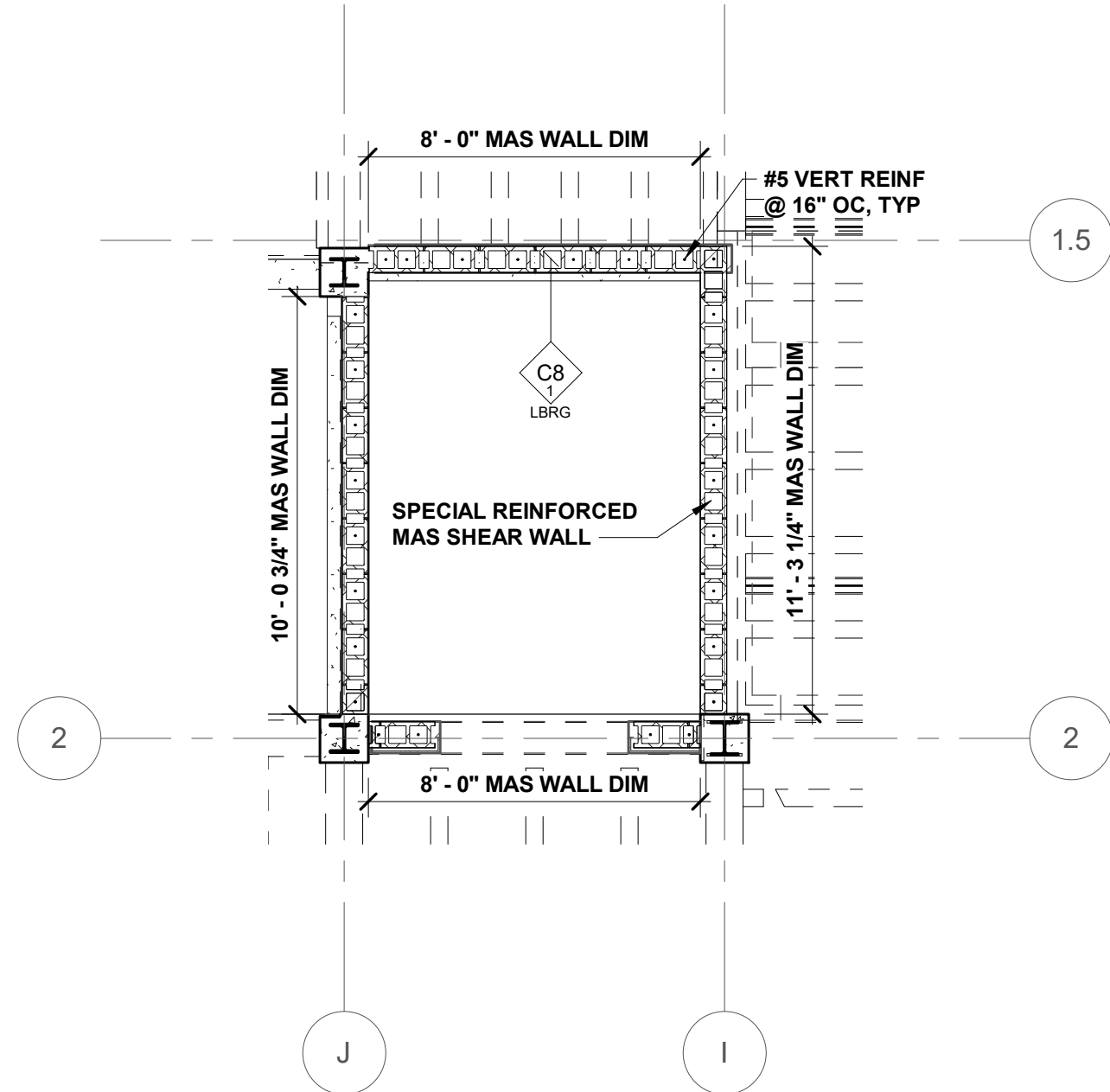
REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020

Str. 1st Floor Plan

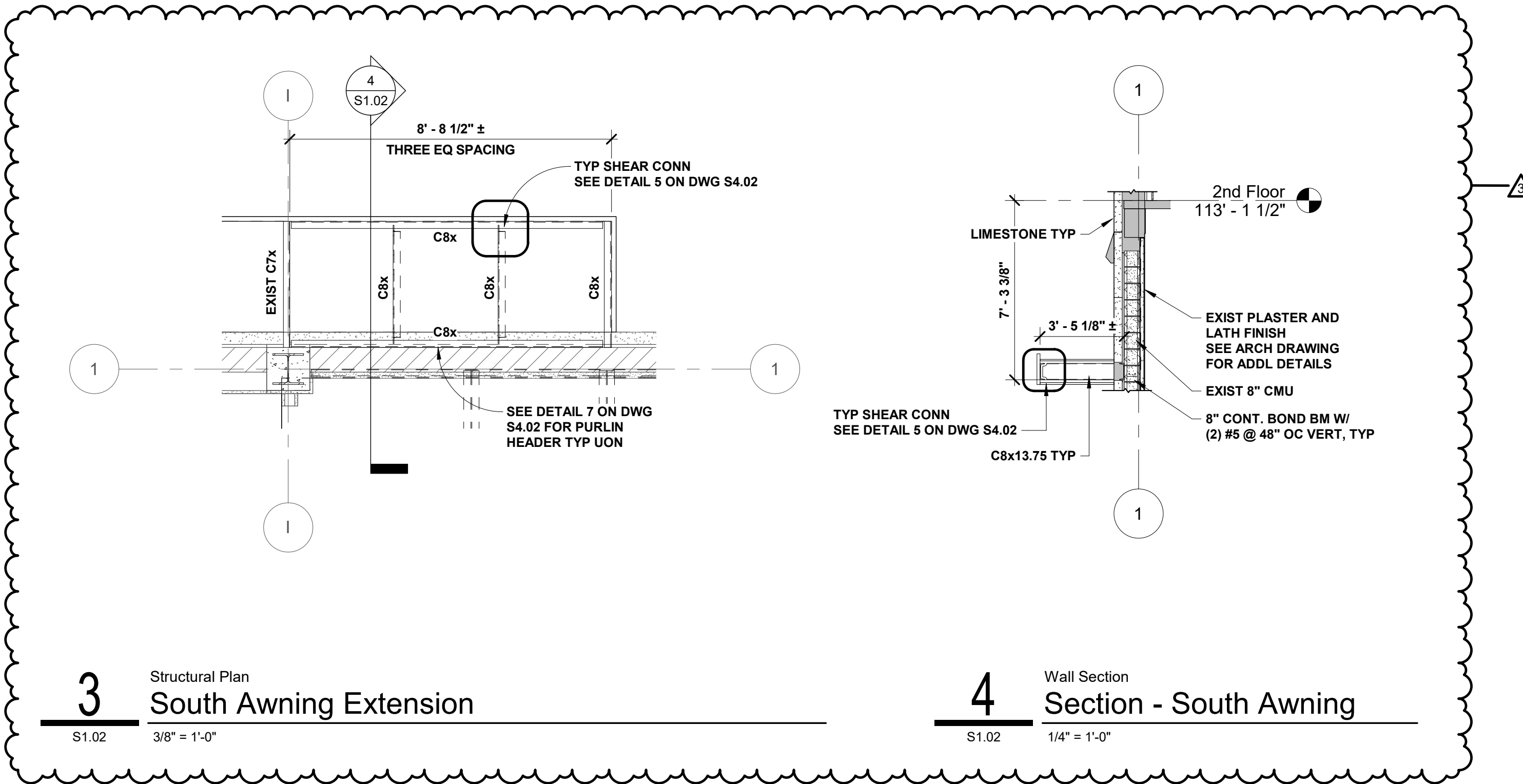
S1.01

STRUCTURAL NOTES
ELEVATOR 2ND FLR

1. FIELD VERIFY ALL DIMENSIONS.
2. SEE S0.03 & SPECIFICATIONS FOR MASONRY CONSTRUCTION.
3. ALL CMU WALLS ARE SPECIAL REINFORCED MASONRY SHEAR WALLS. CONT BOND BM RECD @ T & S WALL. IF MAS DOESN'T CLOSE FLUSH WITH EXIST BM, FILL IN WITH PLATE OR ANGLE CONNECTED TO BOTH BOND BM AND EXIST CONC BM.
4. CMU SHALL HAVE NO EXPANSION OR CONTROL JOINTS.
5. SEE A8.01 FOR ELEVATOR DOOR INFORMATION.

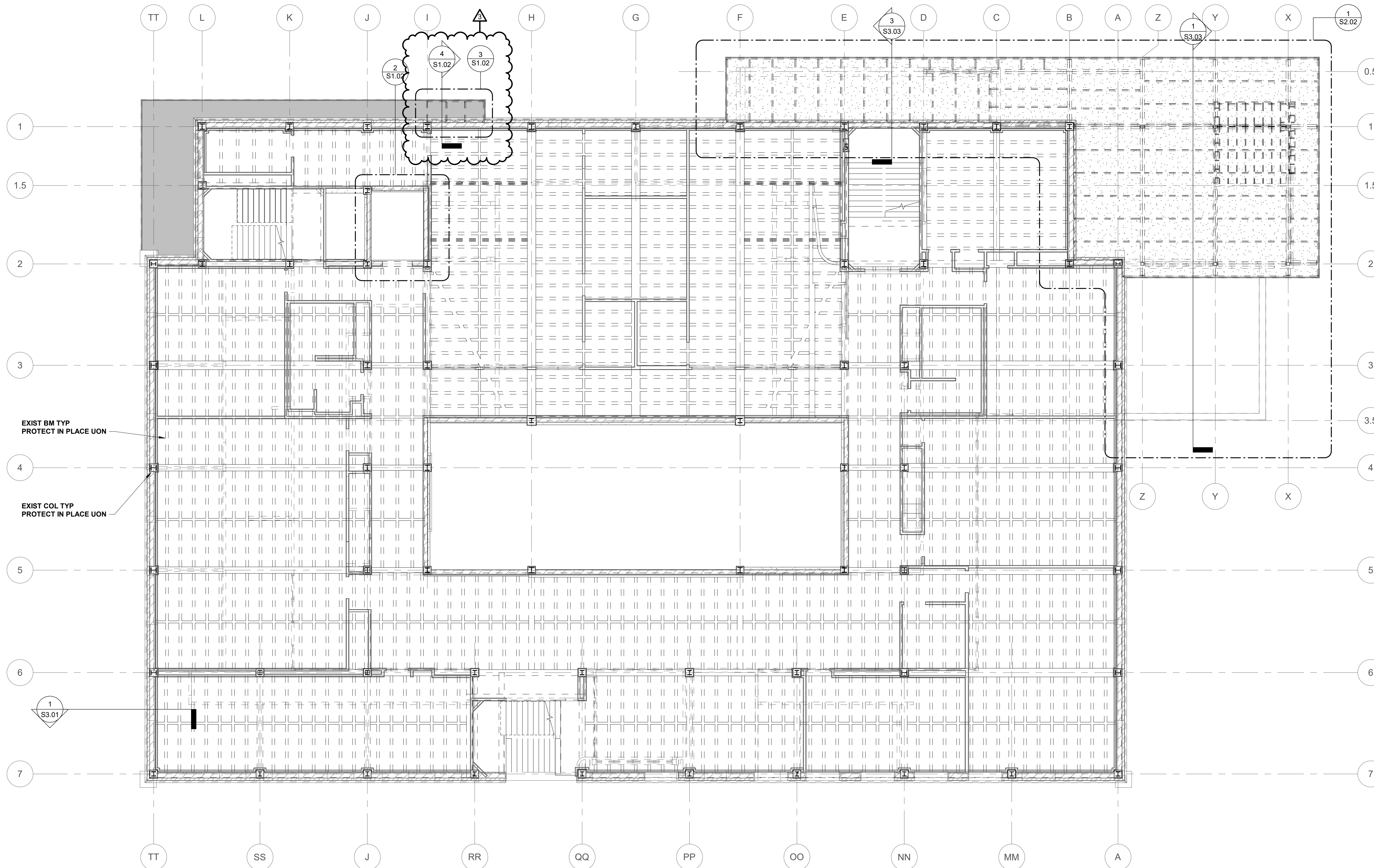


2 Structural Plan
Elevator - 2nd Floor
S1.02 1/4" = 1'-0"



3 Structural Plan
South Awning Extension
S1.02 3/8" = 1'-0"

4 Wall Section
Section - South Awning
S1.02 1/4" = 1'-0"



1 Structural Plan
2nd Floor - Plan EL 113'-1 1/2"
S1.02 1/8" = 1'-0"

SYMBOL LEGEND

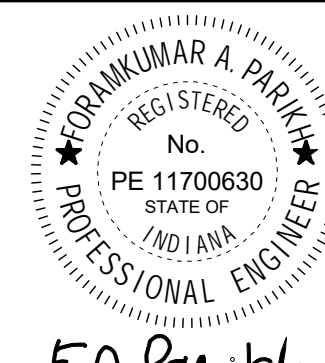
- 101 DOOR TAG: SEE SHEET A8-SERIES DRAWINGS
- WV WALL TAG: SEE SHEET A0.10 and A0.11 FOR WALL TYPE, FIRE RATING, AND STRUCTURAL USAGE REQUIREMENTS. SEE A4 SERIES DRAWINGS FOR WALL FINISHES.

STRUCTURAL NOTES
2ND FLOOR

1. FIELD VERIFY ALL DIMENSIONS.
2. SEE D1.02 FOR ALL REMAINING DEMOLITIONS ITEMS.
3. ROOF DESIGN LL = 20 PSF
4. ROOF DESIGN SL = 19 PSF (W RAIN-ON-SNOW SURCHARGE)
5. ALL INTERIOR WALLS ARE NON-LOAD BEARING UON.
6. SEE A1.02 & A1.02A DRAWINGS FOR ADDL ROOM, DOOR, & DIMENSIONAL INFORMATION.
7. ALL NEW INTERIOR NON-LOAD BEARING WALL WILL BE REINFORCED W/ #5 @ 32" OC UON.
8. ALL NEW INTERIOR NON-LOAD BEARING METAL STUD WALLS WILL BE FRAMED W/ STUDS @ 24" OC UON.

GENERAL STRUCTURAL NOTES

1. DO NOT SCALE DRAWINGS.
2. FOR GENERAL NOTES AND TYPICAL DETAILS SEE S0.01 TO S0.03 DRAWINGS.
3. FOR ADDITIONAL BUILDING INFORMATION SEE DRAWINGS FROM DIVISIONS A, D, M, E, T, P, & FP.



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Terre Haute, Indiana 47809

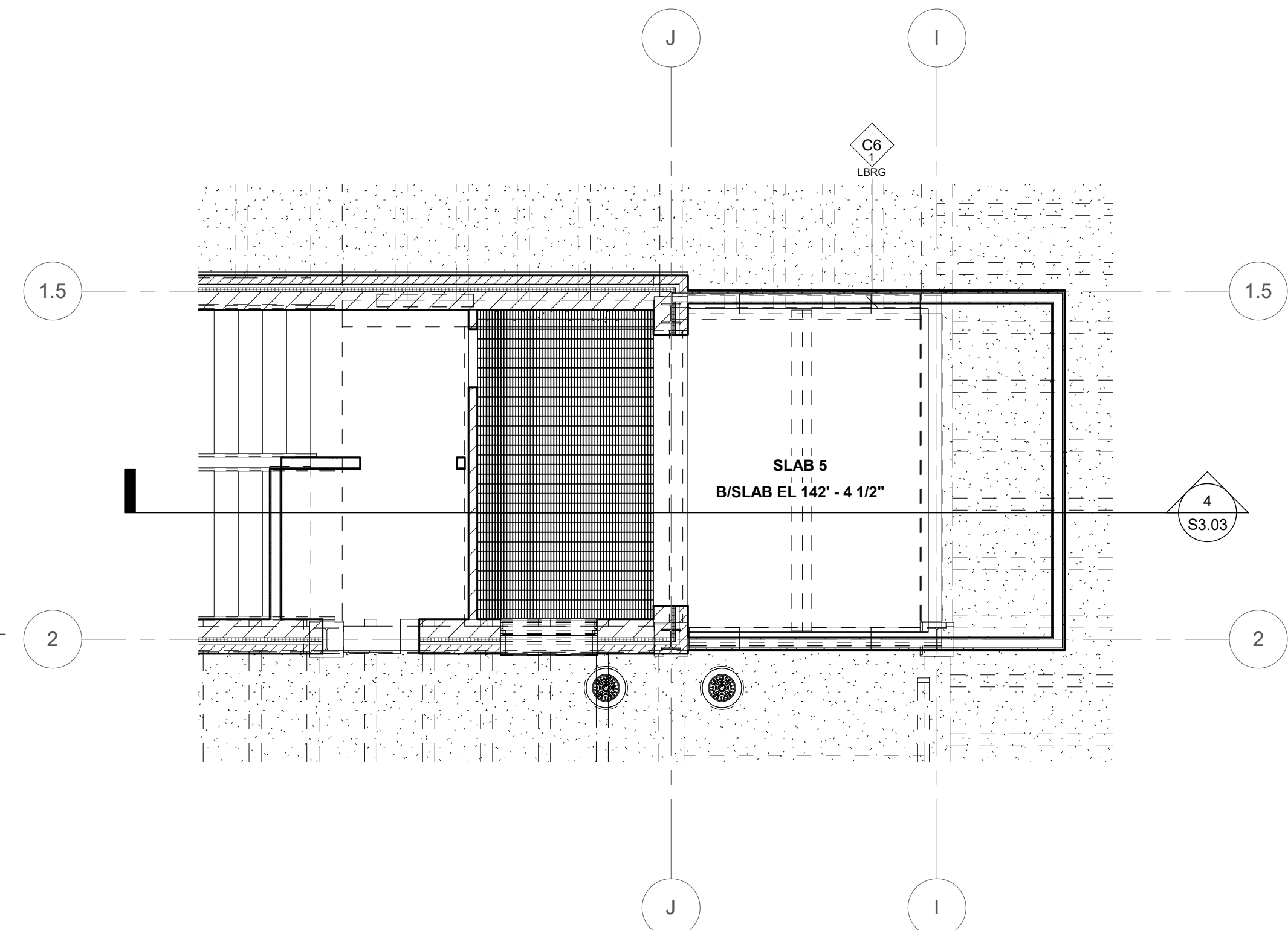
Project No.: 19A052
Drawn By: J. Hand
Checked By: F. Parikh
Scale: See Drawing
Issue Date: June 5, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020

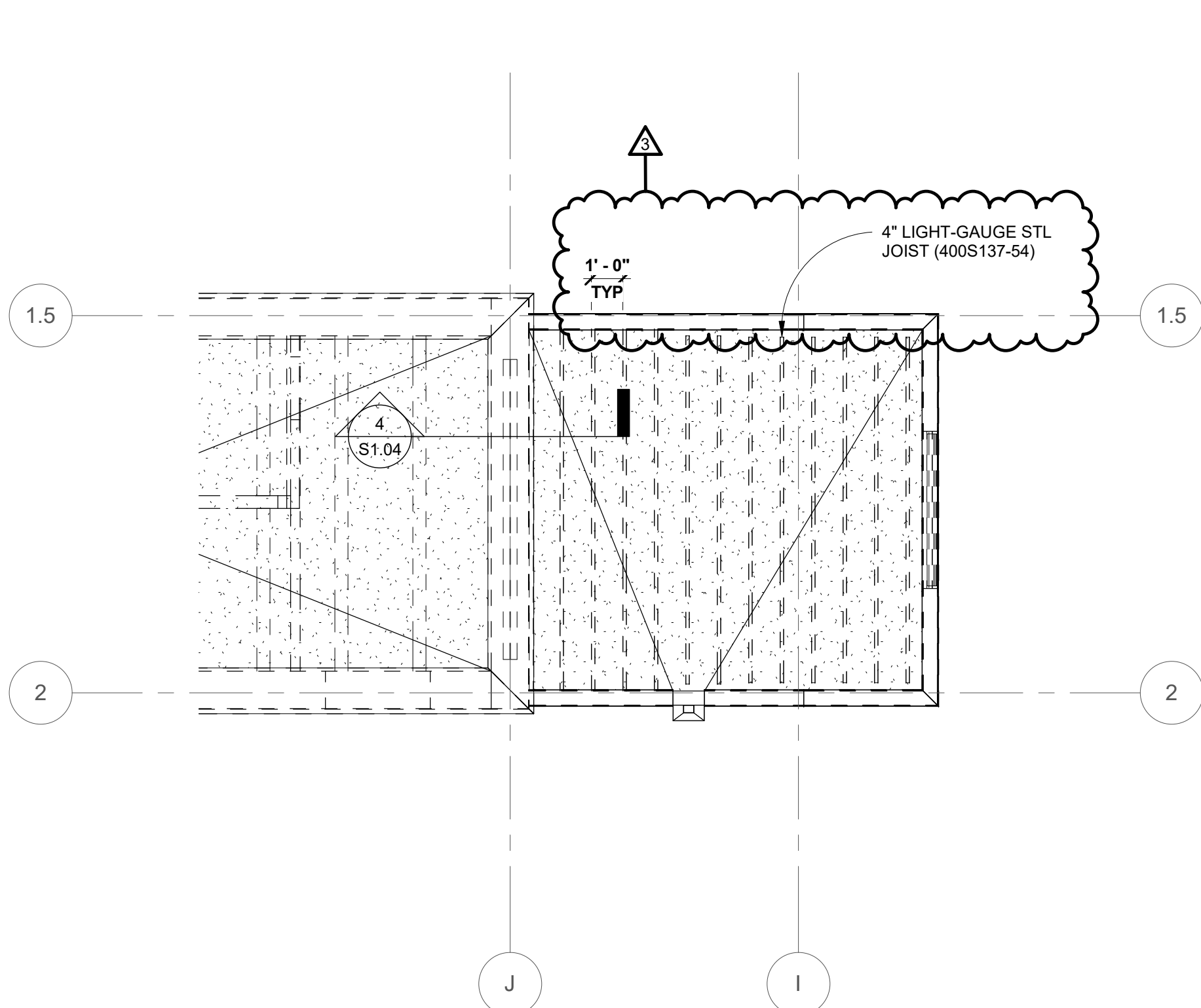


Str. 2nd Floor Plan

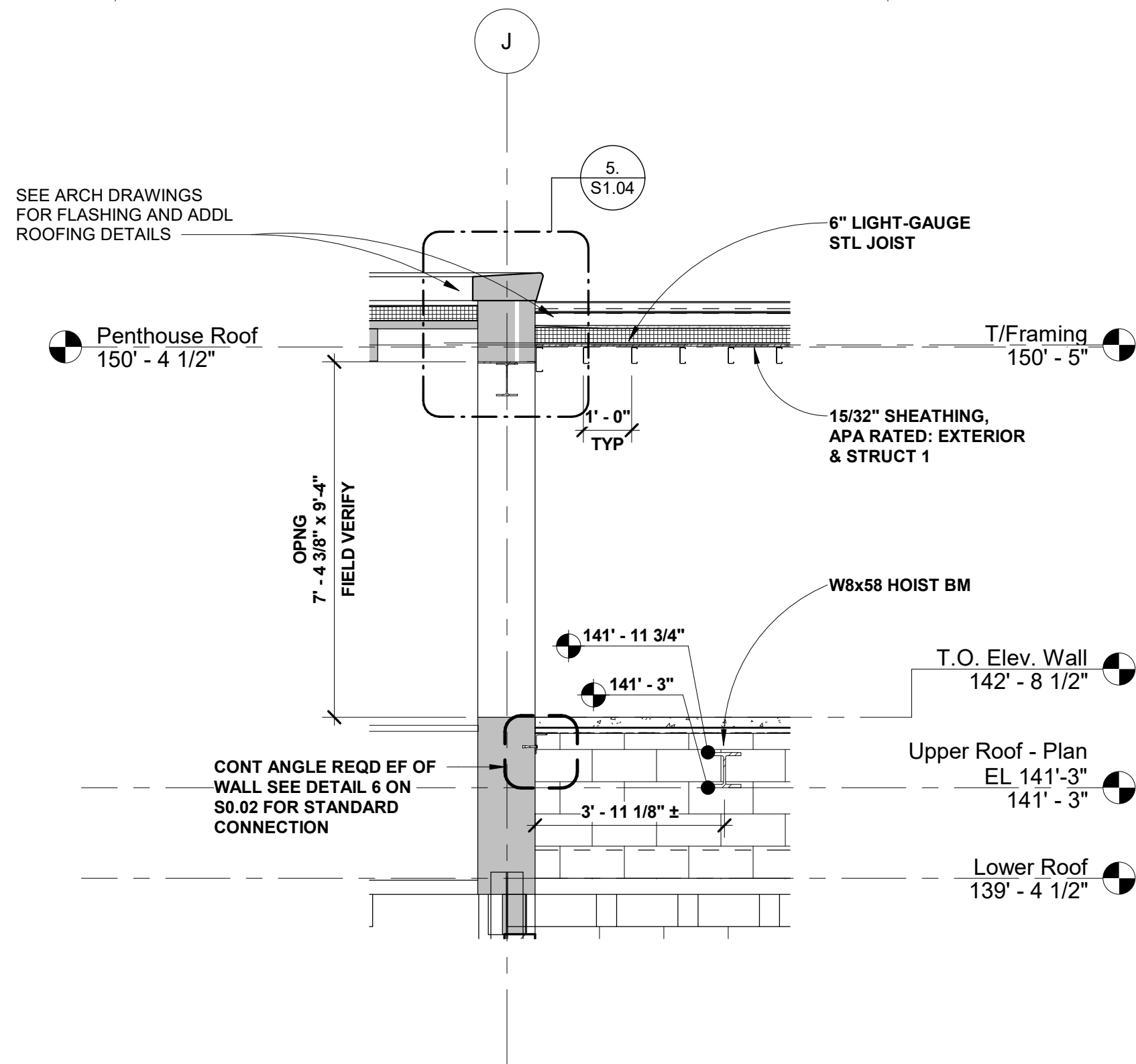
S1.02



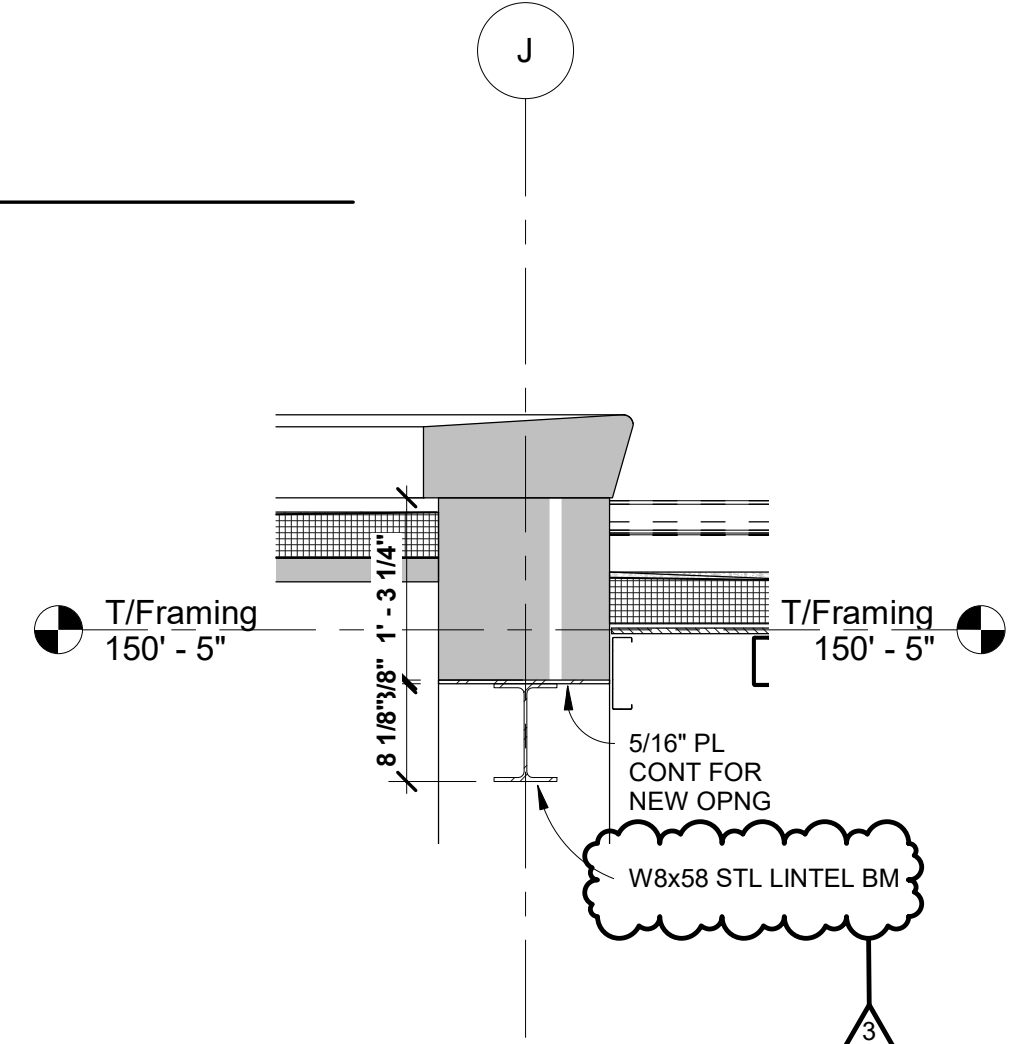
2 Structural Plan
Penthouse Extension - Plan EL 141'-3"
S1.04 1/4" = 1'-0"



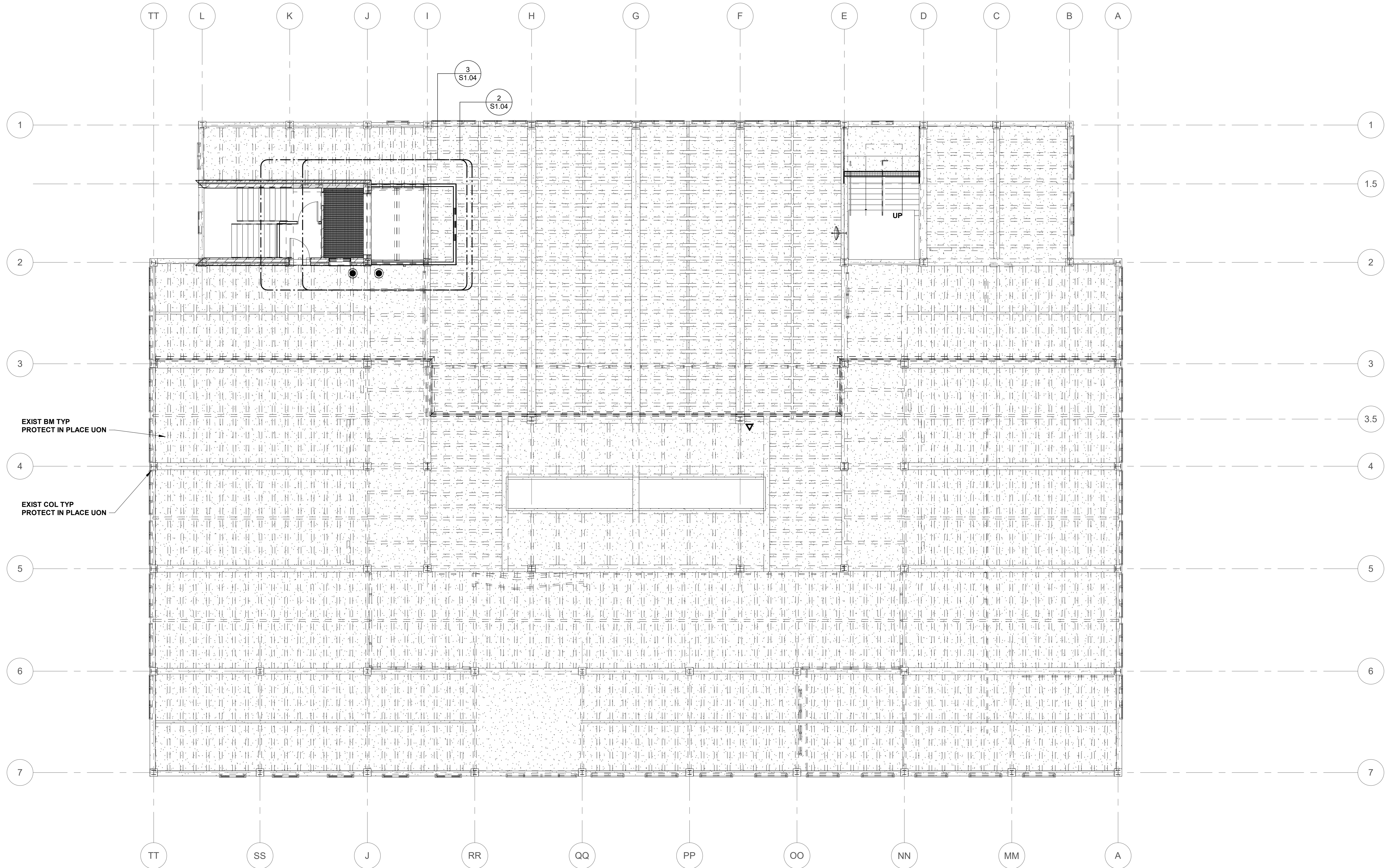
3 Structural Plan
Penthouse Roof Framing - Plan EL 150' - 5"
S1.04 1/4" = 1'-0"



4 Wall Section
Section - Exist Wall w/ New Opening
S1.04 3/8" = 1'-0"



5 Wall Section
LINTEL - NEW OPNG
S1.04 3/4" = 1'-0"



1 Structural Plan
Upper Roof - Plan EL 141'-3"
S1.04 1/8" = 1'-0"

SYMBOL LEGEND	
101	DOOR TAG: SEE SHEET A8-SERIES DRAWINGS
WALL TAG	SEE SHEET A0.10 AND A0.11 FOR WALL TYPE, FIRE RATING, AND STRUCTURAL USAGE REQUIREMENTS. SEE A4 SERIES DRAWINGS FOR WALL FINISHES.

STRUCTURAL NOTES ROOF	
1. FIELD VERIFY ALL DIMENSIONS.	
2. SEE D1.04 FOR ALL REMAINING DEMOLITIONS ITEMS.	
3. ROOF DESIGN LL = 20 PSF	
4. ALL INTERIOR WALLS ARE NON-LOAD BEARING UON.	
5. SEE A1.05 DRAWINGS FOR ROOF INFORMATION DETAILS.	
6. ROOF DECK IS 1 1/2" FORM DECKING W/ 4" REINFORCED CONCRETE.	

GENERAL STRUCTURAL NOTES		
1. DO NOT SCALE DRAWINGS.		
2. FOR GENERAL NOTES AND TYPICAL DETAILS SEE S0.01 TO S0.03 DRAWINGS.		
3. FOR ADDITIONAL BUILDING INFORMATION SEE DRAWINGS FROM DIVISIONS A, D, M, E, T, P, & FP.		



FA Parkk
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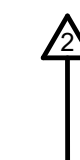
Construction Documents

Indiana State University -
Dreiser Hall Renovation

Terre Haute, Indiana 47809

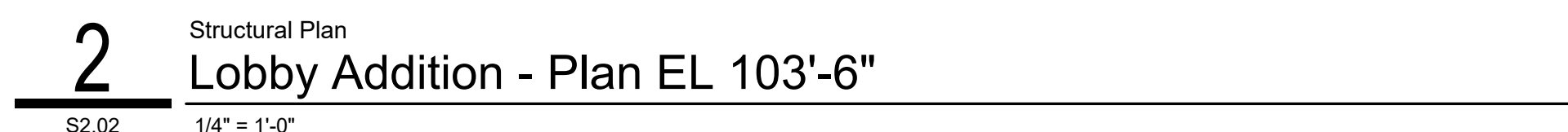
Project No.: 19A052
Drawn By: J. Hand
Checked By: F. Parkk
Scale: See Drawing
Issue Date: June 5, 2020

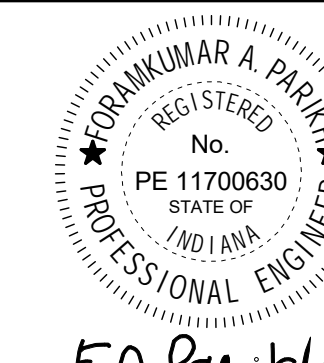
REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020



Str. Roof Plan

S1.04





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Dreiser Hall Renovation

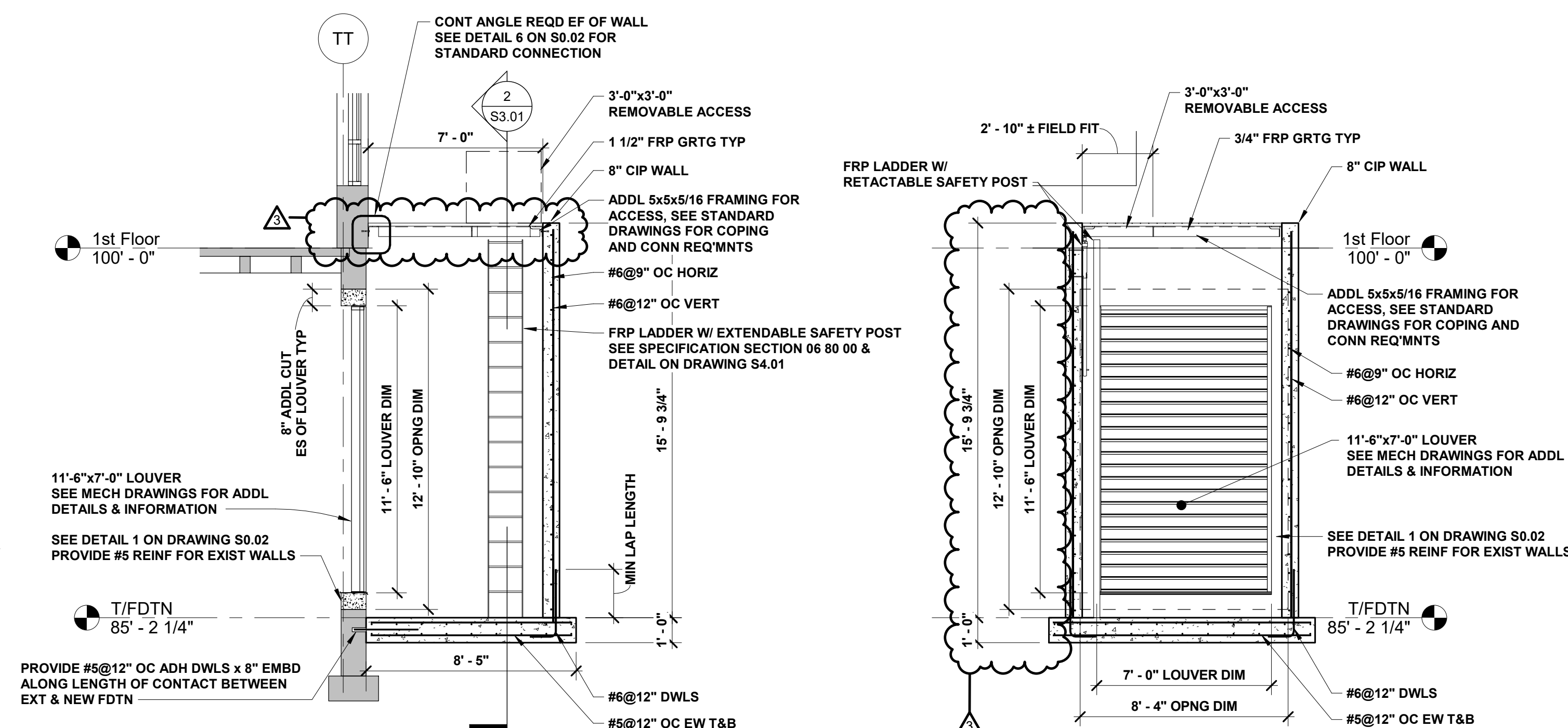
Terre Haute, Indiana 47809

Project No.: 19A052
Drawn By: J. Hand
Checked By: F. Parikh
Scale: See Drawing
Issue Date: June 5, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020

Str. Sections

S3.01

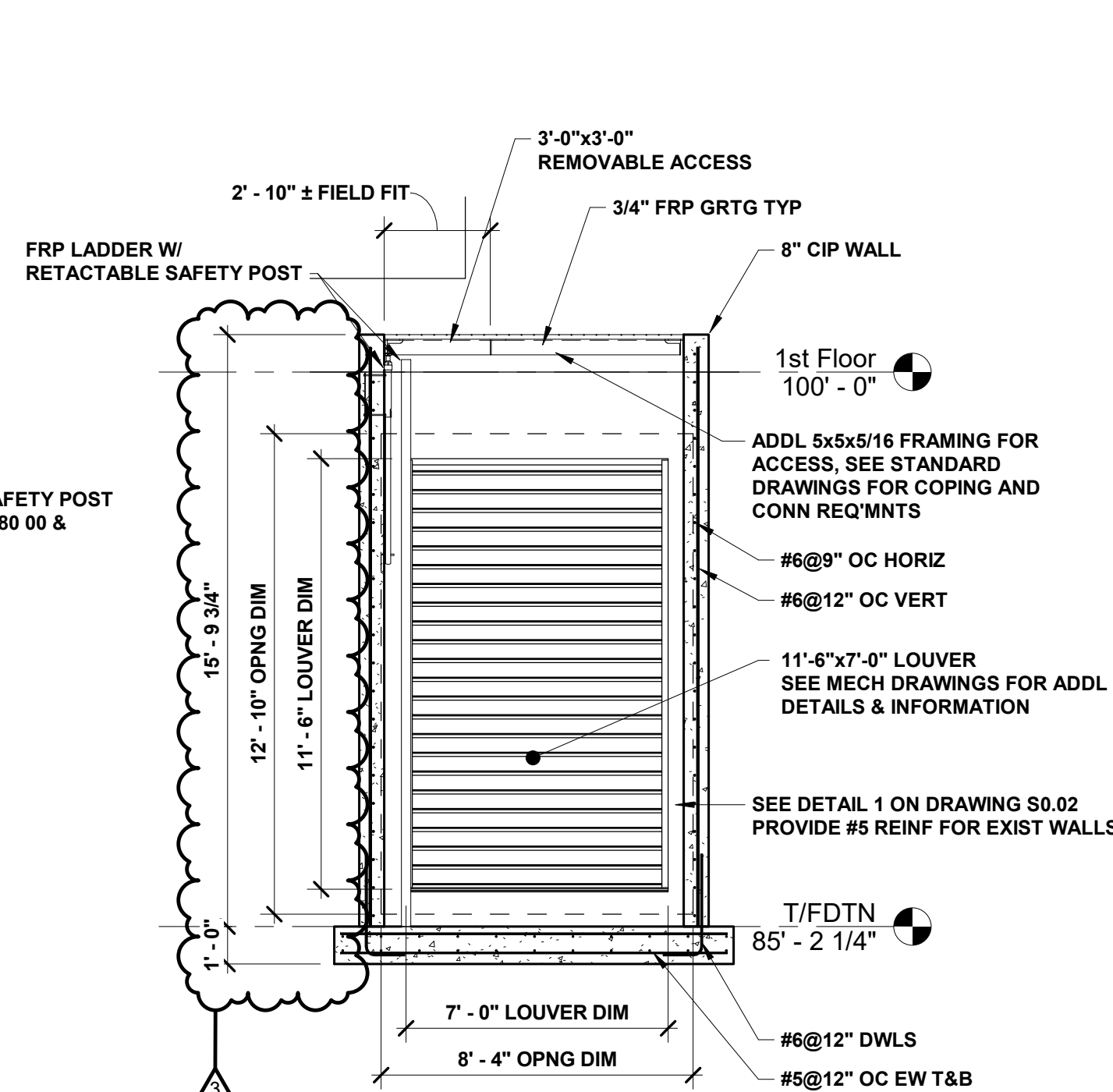


NOTE:
FOR HORIZ WALL REINF PROVIDE #6@9" OC ADH DWLS x
8" EMBD ALONG LENGTH OF CONTACT BETWEEN EXT &
NEW WALL.

1 Wall Section
Section N/S - Louver Pit (South Bldg EI)

S3.01

1/4" = 1'-0"

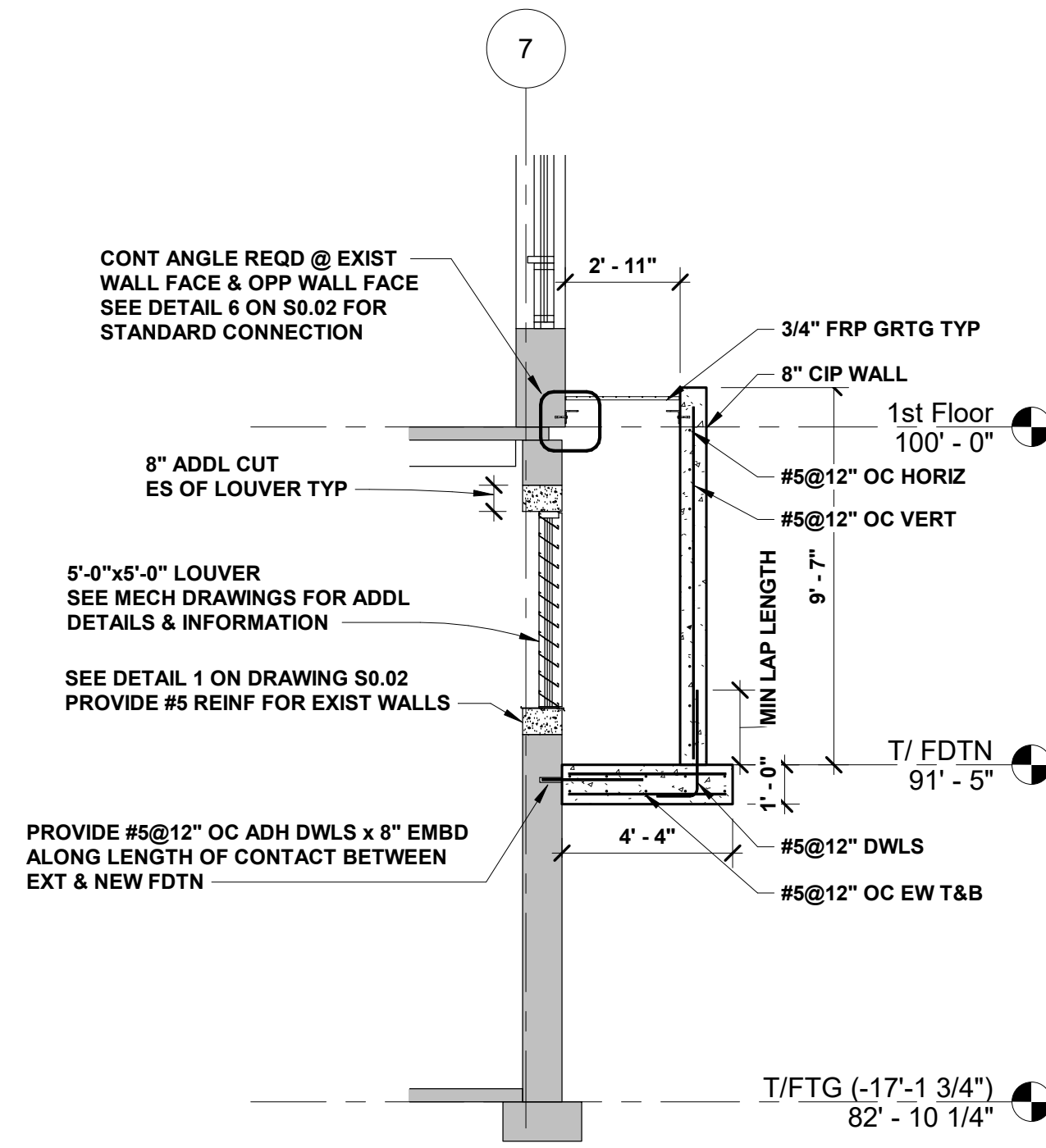


NOTE:
FOR HORIZ WALL REINF PROVIDE #6@12" OC ADH DWLS
x 8" EMBD ALONG LENGTH OF CONTACT BETWEEN EXT &
NEW WALL.

2 Wall Section
Section E/W - Louver Pit (South Bldg EI)

S3.01

1/4" = 1'-0"

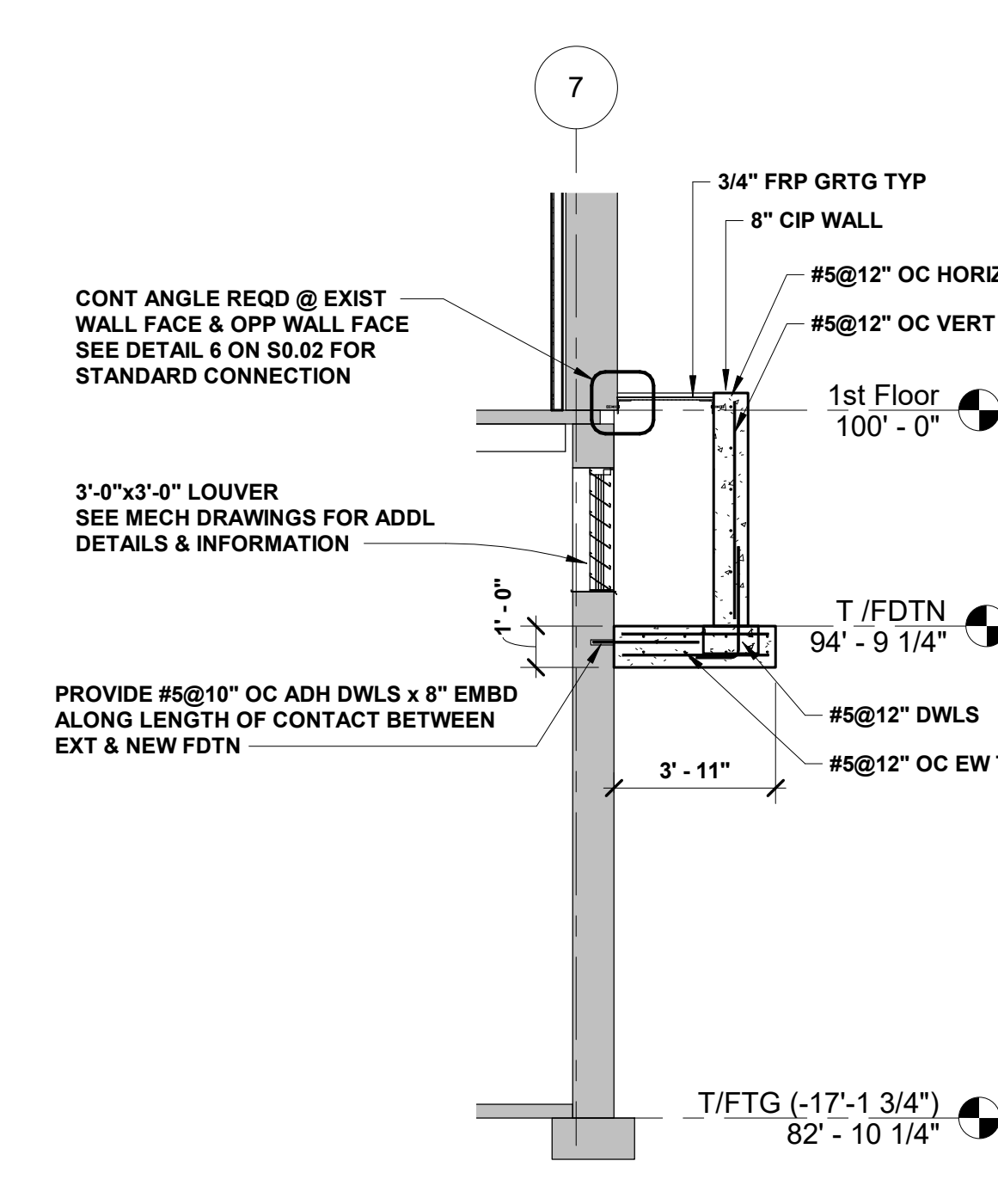


NOTE:
FOR HORIZ WALL REINF PROVIDE #5@12" OC ADH DWLS
x 8" EMBD ALONG LENGTH OF CONTACT BETWEEN EXT &
NEW WALL.

3 Wall Section
Section - Louver Pit (East Bldg EI) 1

S3.01

1/4" = 1'-0"

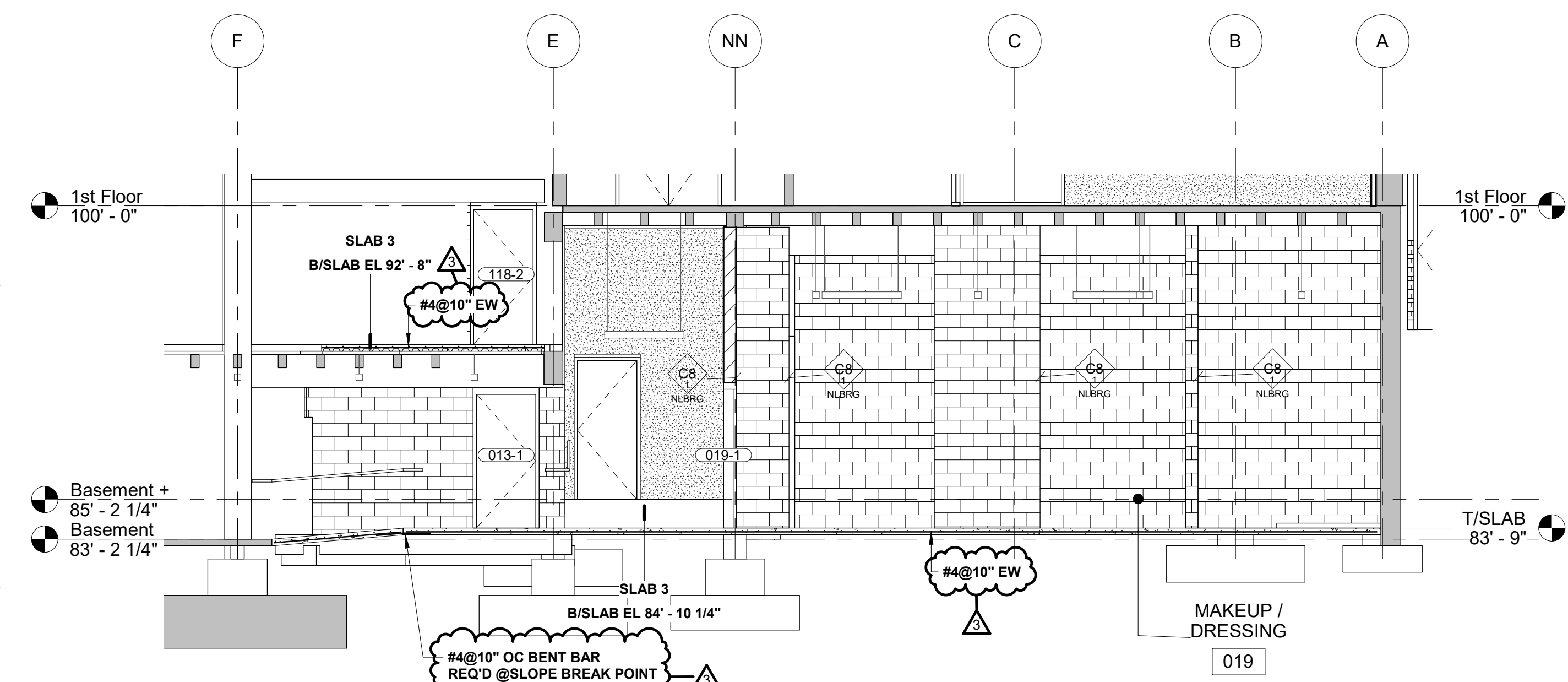


NOTE:
FOR HORIZ WALL REINF PROVIDE #5@12" OC ADH DWLS
x 8" EMBD ALONG LENGTH OF CONTACT BETWEEN EXT &
NEW WALL.

4 Wall Section
Section - Louver Pit (East Bldg EI) 2

S3.01

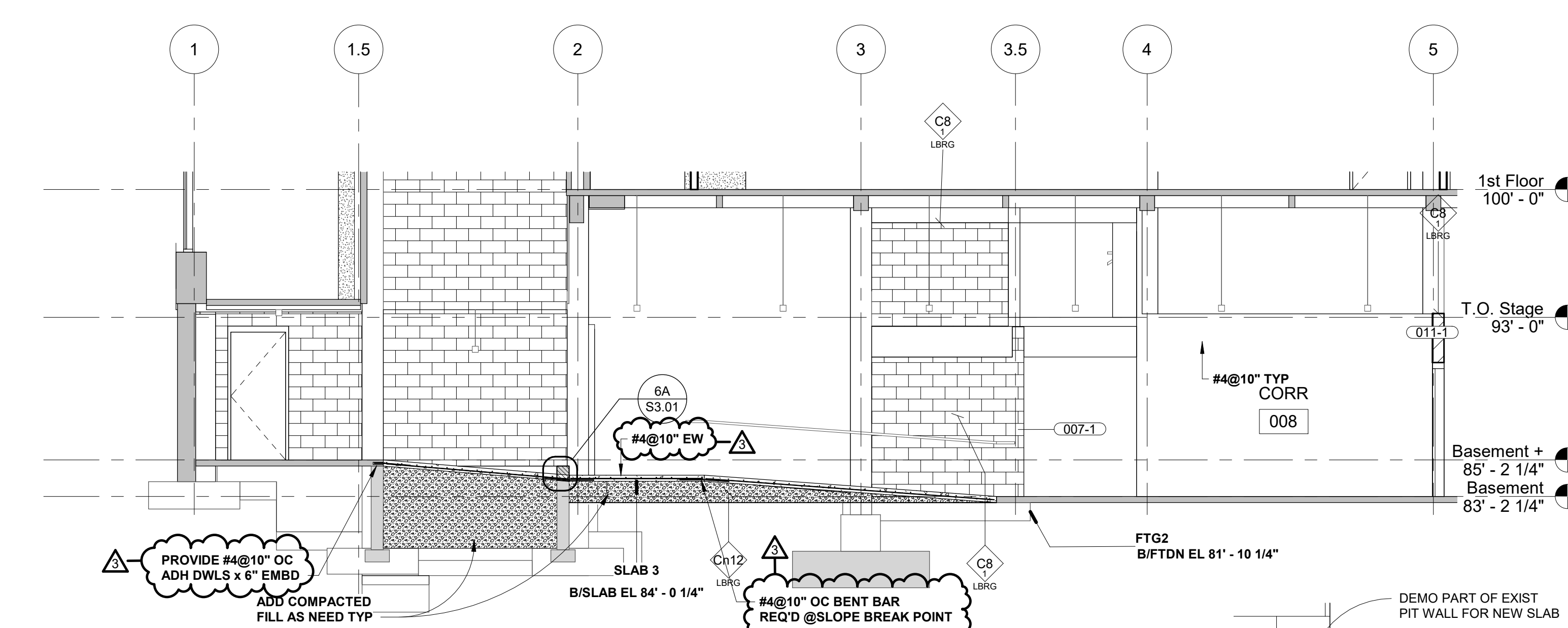
1/4" = 1'-0"



5 Wall Section
Section - Makeup/Dressing

S3.01

3/16" = 1'-0"



6 Wall Section
Section - South Corridor

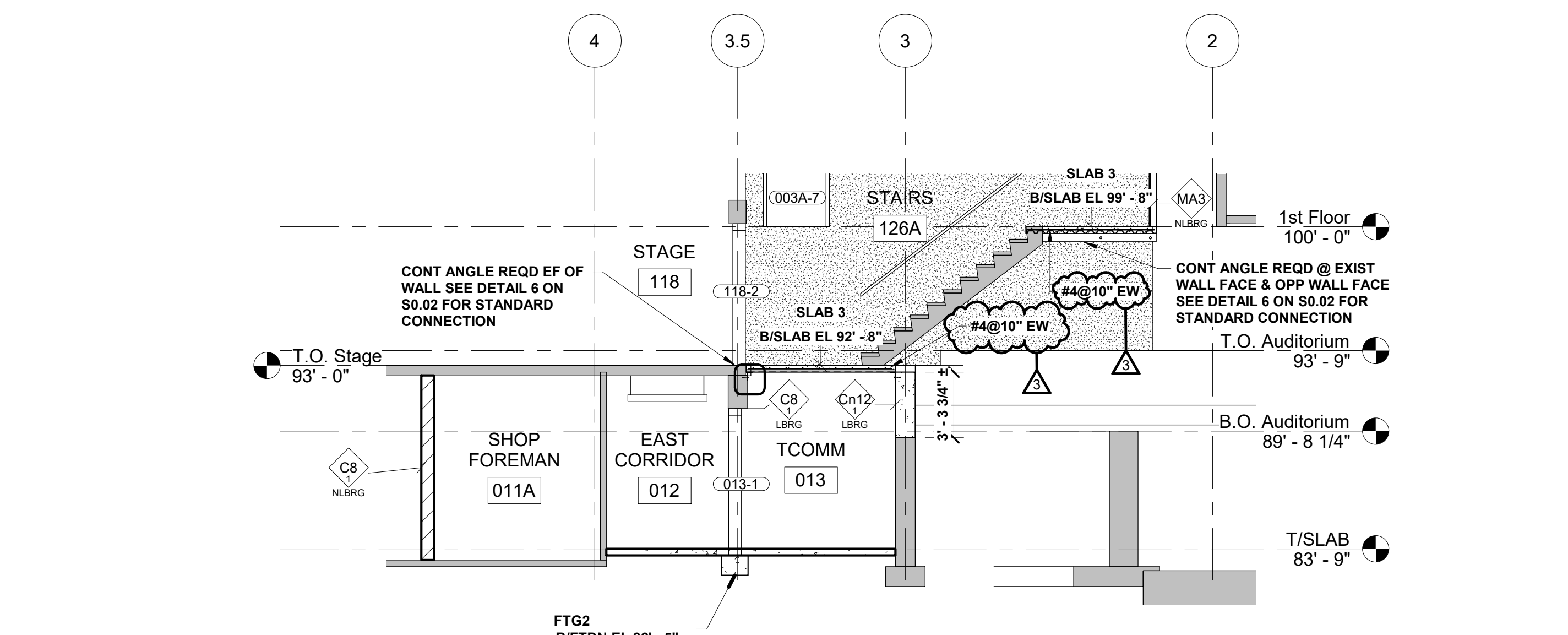
S3.01

3/16" = 1'-0"

6A Wall Section
Callout - South Corridor

S3.01

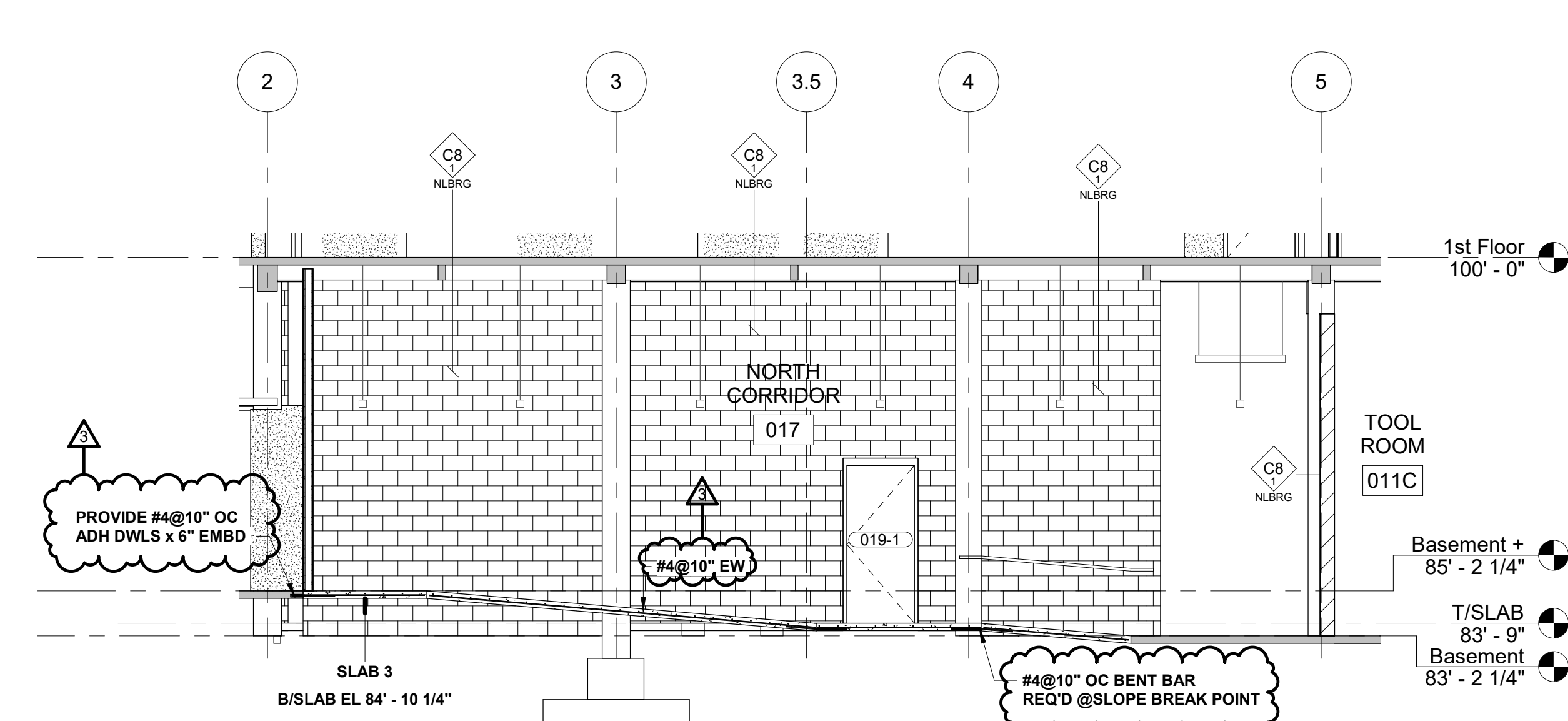
3/4" = 1'-0"



7 Wall Section
Section - TCOMM - 013

S3.01

3/16" = 1'-0"



8 Wall Section
Section - North Corridor

S3.01

3/16" = 1'-0"

SYMBOL LEGEND	
101	DOOR TAG: SEE SHEET A8-SERIES DRAWINGS
WV	WALL TAG: SEE SHEET A0.10 and A0.11 FOR WALL TYPE, FIRE RATING, AND STRUCTURAL USAGE REQUIREMENTS. SEE A4 SERIES DRAWINGS FOR WALL FINISHES.

GENERAL STRUCTURAL NOTES	
1. DO NOT SCALE DRAWINGS.	
2. FOR GENERAL NOTES AND TYPICAL DETAILS SEE S0.01 TO S0.03 DRAWINGS.	
3. FOR ADDITIONAL BUILDING INFORMATION SEE DRAWINGS FROM DIVISIONS A, D, M, E, T, P, & FP.	



F.A. Parikh
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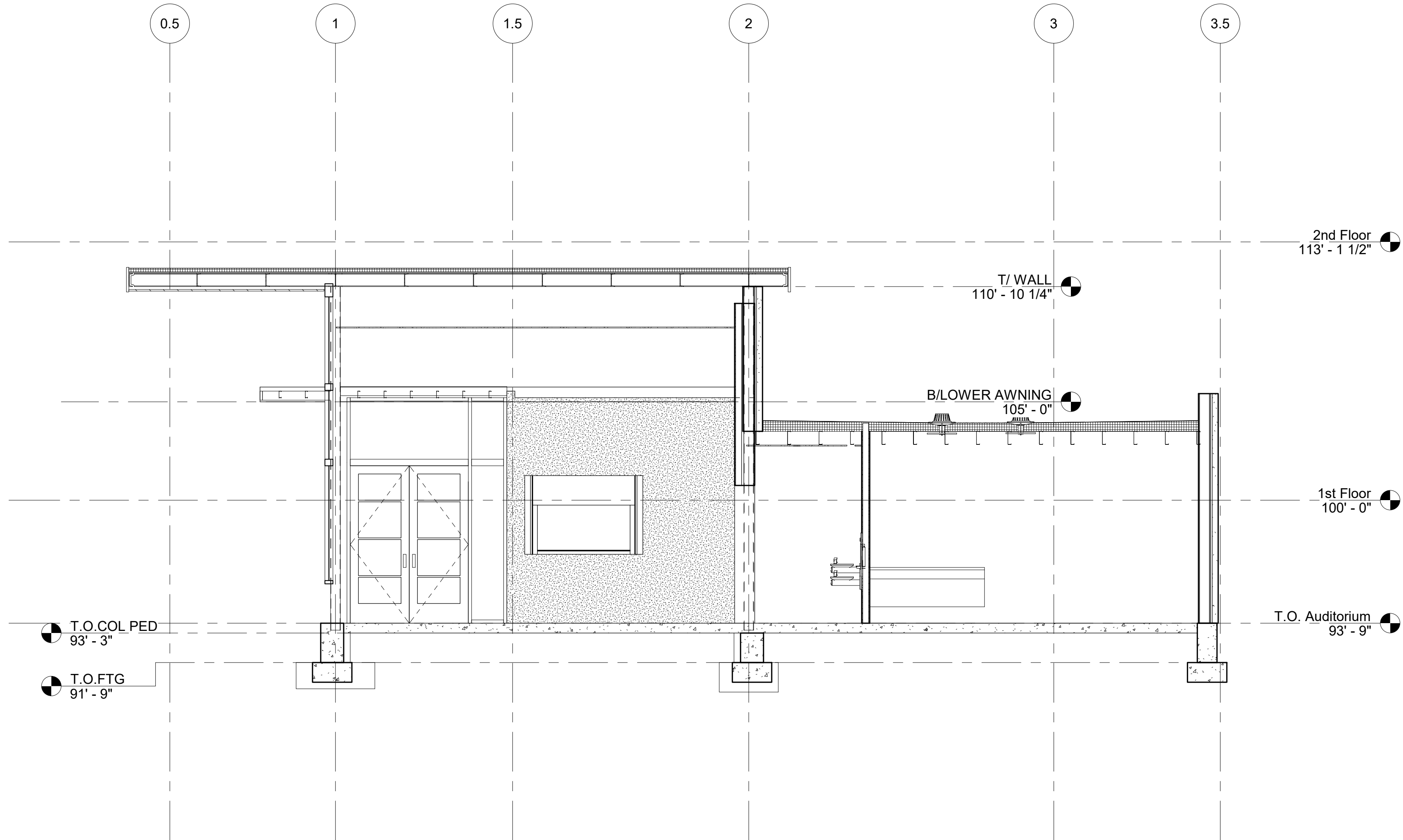
Project No.: 19A052
Drawn By: J. Hand
Checked By: F. Parikh
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REVISION SCHEDULE		
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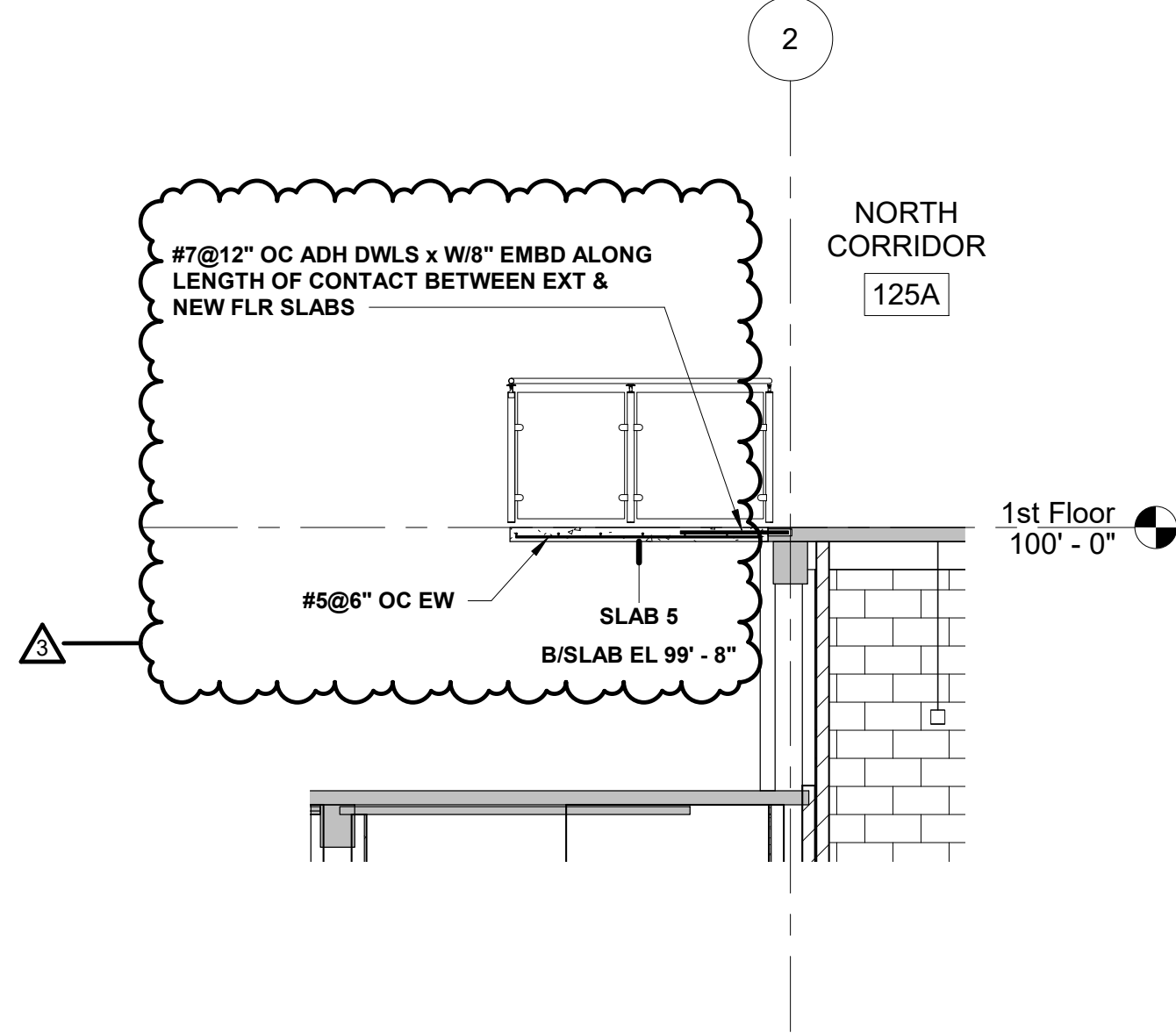


Str. Sections

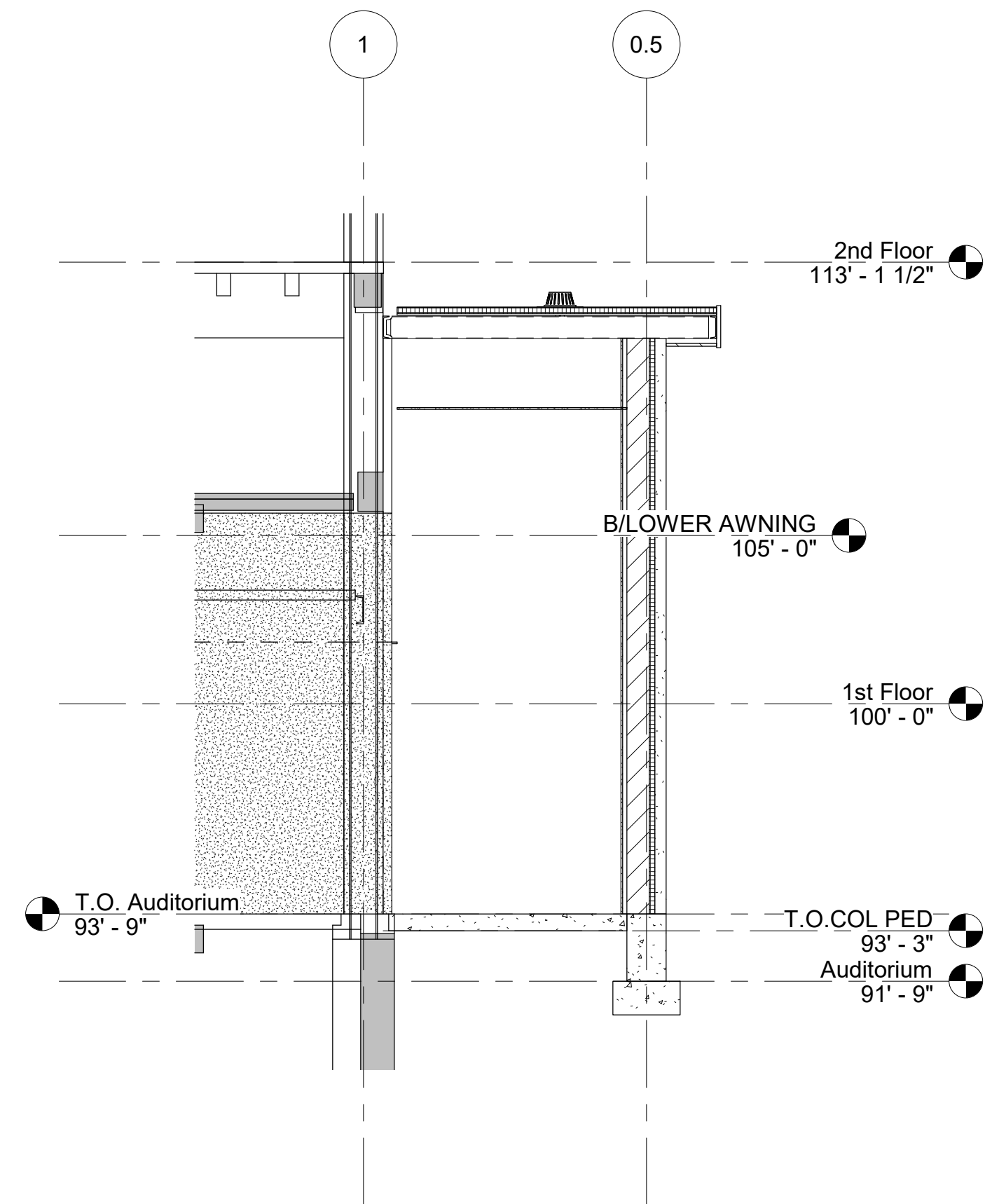
S3.03



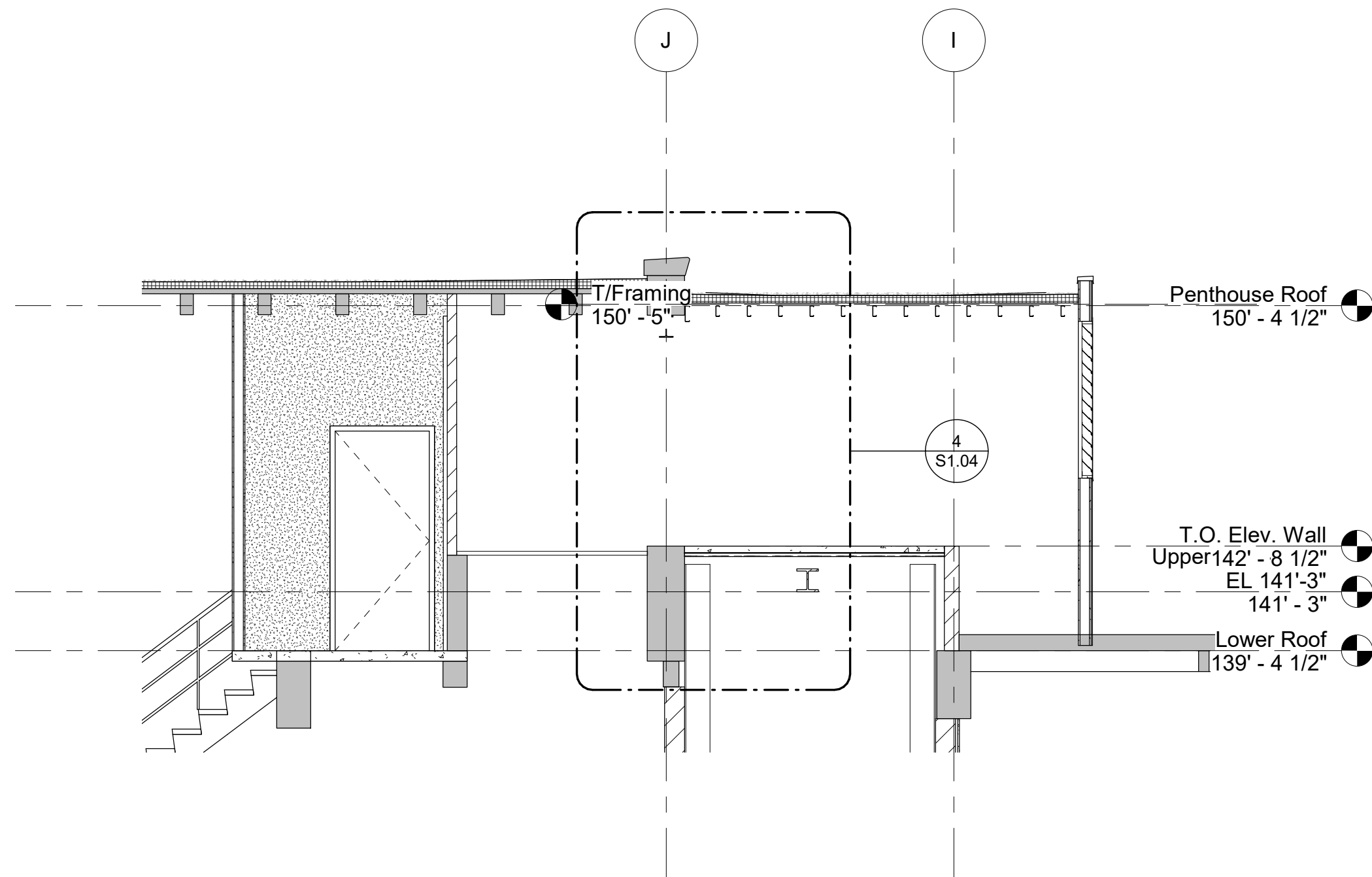
1 Wall Section
Section E/W - Lobby Addition
S3.03 1/4" = 1'-0"



2 Wall Section
Section - Lobby Cantilever Slab
S3.03 1/4" = 1'-0"



3 Wall Section
Section - Lobby (West Bldg Face)
S3.03 1/4" = 1'-0"



4 Wall Section
Section - Penthouse Extension
S3.03 1/4" = 1'-0"

SYMBOL LEGEND

101 DOOR TAG: SEE SHEET A5-SERIES DRAWINGS

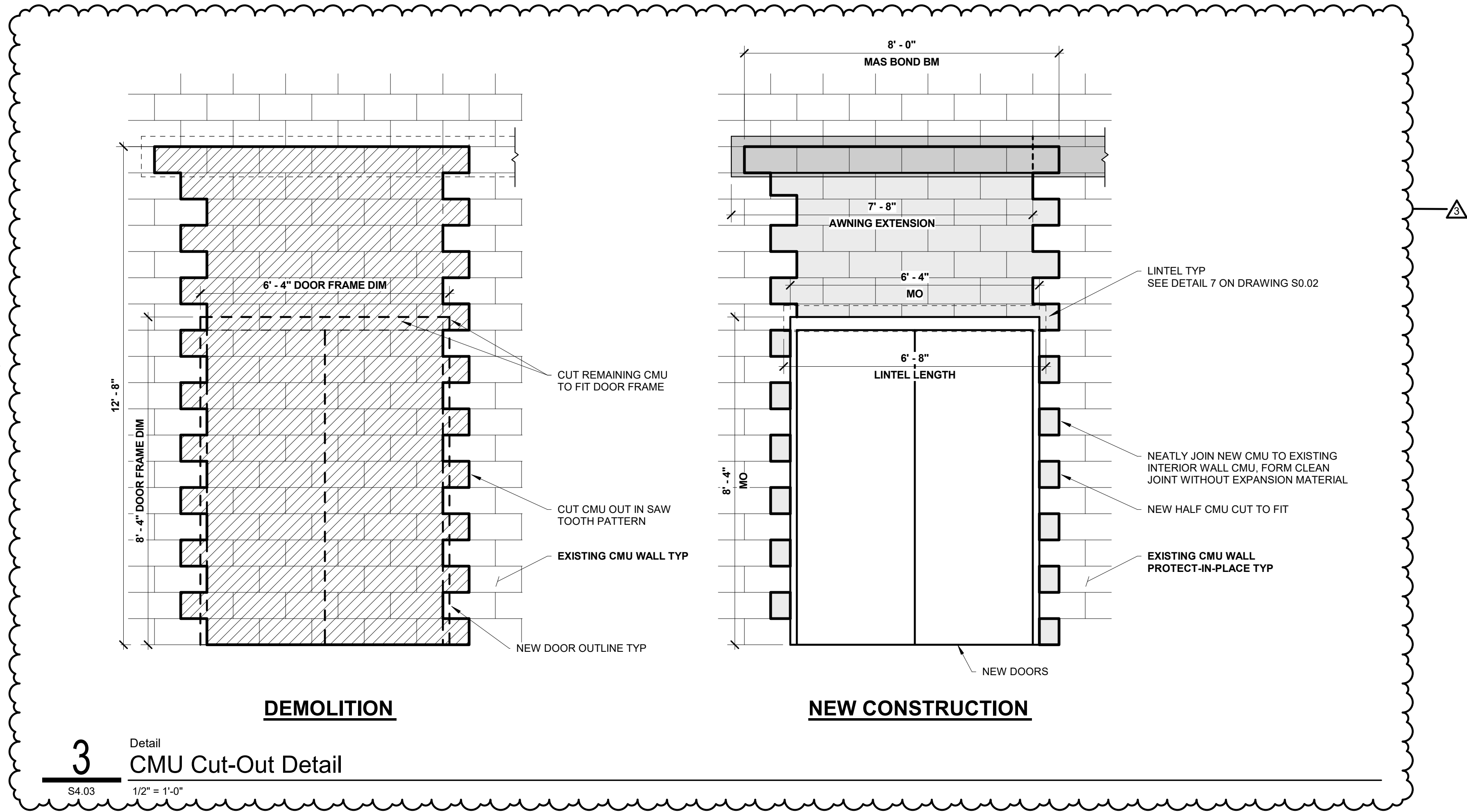
WV LRG OF NLRG WALL TAG: SEE SHEET A8.10 and A8.11 FOR WALL TYPE, FIRE RATING, AND STRUCTURAL USAGE REQUIREMENTS. SEE A4 SERIES DRAWINGS FOR WALL FINISHES.

GENERAL STRUCTURAL NOTES

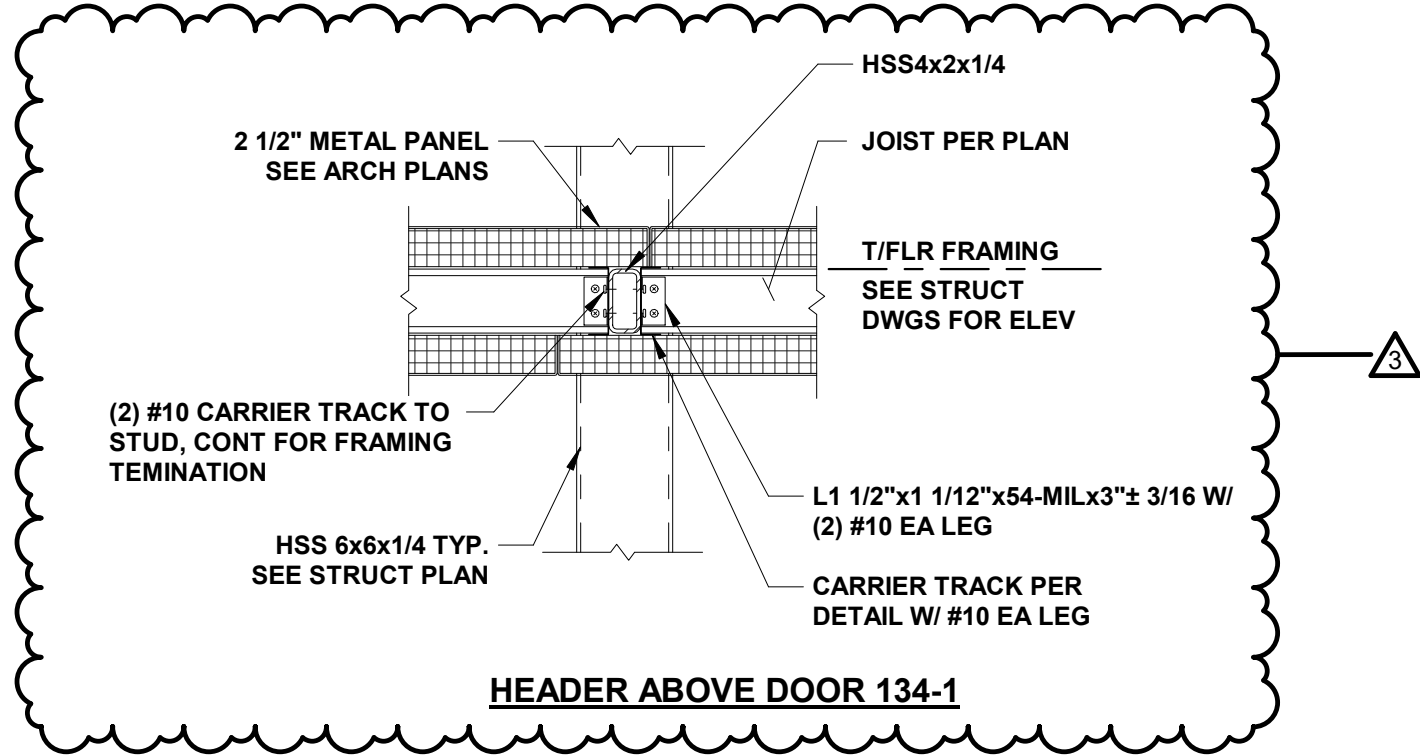
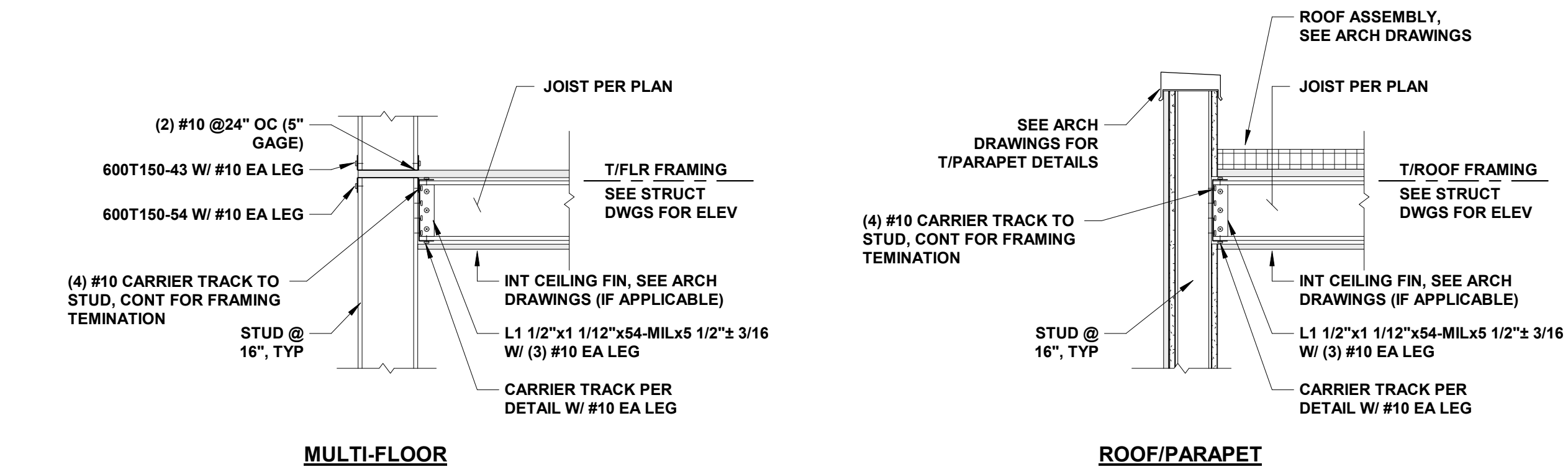
- DO NOT SCALE DRAWINGS.
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE S0.01 TO S0.03 DRAWINGS.
- FOR ADDITIONAL BUILDING INFORMATION SEE DRAWINGS FROM DIVISIONS A, D, M, E, T, P, & FP.

WALL SCHEDULE					
MARK	LOCATION	TOP OF WALL (ELEV. RANGE)	SIZE	REINFORCING	REMARKS
			TNK		
Cn14	Grid Line F	93'-9"	14"	#5 at 12" Vertical & #5 at 12" Horizontal Each Face	New Lobby Addition
Cn14	Grid Line 0.5	93'-9"	14"	#5 at 12" Vertical & #5 at 12" Horizontal Each Face	New Lobby Addition
Cn14	Grid Line C	93'-9"	14"	#5 at 12" Vertical & #5 at 12" Horizontal Each Face	New Lobby Addition
Cn14	Grid Line 1	93'-9"	14"	#5 at 12" Vertical & #5 at 12" Horizontal Each Face	New Lobby Addition
Cn14	Grid Line X	93'-9"	14"	#5 at 12" Vertical & #5 at 12" Horizontal Each Face	New Lobby Addition
Cn14	Grid Line 2	93'-9"	14"	#5 at 12" Vertical & #5 at 12" Horizontal Each Face	New Lobby Addition
Cn12	New Bathroom Area	93'-9"	12"	#4 at 12" Vertical & #4 at 12" Horizontal Each Face	New Lobby Addition, Both Walls
Cn12	Where noted		12"	#5 at 12" Vertical & #5 at 12" Horizontal Each Face	Auditorium Area
Cn10	Where noted		10"	#4 at 12" Vertical & #4 at 12" Horizontal Each Face	Auditorium Area
Cn8	Grid Line 1.5	93'-9"	8"	#4 at 12" Vertical & #4 at 12" Horizontal Each Face	Auditorium Area
Cn8	Grid Line 3.5	83'-2 1/4"	8"	#4 at 12" Vertical & #4 at 12" Horizontal Each Face	Basement for Room 007 & 013. For new 8" masonry wall support.
Cn8	Grid Line I	83'-2 1/4"	8"	#4 at 12" Vertical & #4 at 12" Horizontal Each Face	Basement for Room 007 & 013. For new 8" masonry wall support.
Cn8	Grid Line E	83'-2 1/4"	8"	#4 at 12" Vertical & #4 at 12" Horizontal Each Face	Basement for Room 007 & 013. For new 8" masonry wall support.
Cn8	New Pits (East)	VARIES SEE SECTIONS	8"	#5 at 12" Vertical & #5 at 12" Horizontal Each Face	This is the smaller pits on east side for new addition. Connect with existing wall with epoxy filled drilled holes..
Cn8	New Pit (Elevator Shaft)	84'-2 1/4"	8"	#5 at 12" Vertical & #5 at 12" Horizontal Each Face	From base slab of the new elevator pit to landing level.
Cn8	New Pit (South)	101'-0"	8"	#6 at 12" Vertical & #6 at 9" Horizontal Each Face	Use the similar reinforcement for other east side New pit. Connect with existing wall with epoxy filled drilled holes.
Cn6	Where noted		6"	#4 at 12" Vertical & #4 at 12" Horizontal Each Face	Auditorium Area
C8	Grid Line F	111'-0 1/8"	8"	#5 at 16" Vertical for grouting	New Lobby Addition
C8	Grid Line 0.5	111'-0 1/8"	8"	#5 at 16" Vertical for grouting	New Lobby Addition
C8	Grid Line C	111'-0 1/8"	8"	#5 at 16" Vertical for grouting	New Lobby Addition
C8	Grid Line 1	95'-9"	8"	#5 at 16" Vertical for grouting	New Lobby Addition
C8	Grid Line 1.5	101'-10"	8"	#5 at 16" Vertical for grouting	Auditorium Area
C8	Grid Line 3.5	93'-0"	8"	#5 at 16" Vertical for grouting	Basement for Room 007 & 013. New 8" masonry wall support.
C8	Grid Line I	93'-0"	8"	#5 at 16" Vertical for grouting	Basement for Room 007 & 013. New 8" masonry wall support.
C8	Grid Line E	93'-0"	8"	#5 at 16" Vertical for grouting	Basement for Room 007 & 013. New 8" masonry wall support.
C8	New Elevator Area	142'-4 1/2"	8"	#5 at 16" Vertical for grouting	New Elevator Area

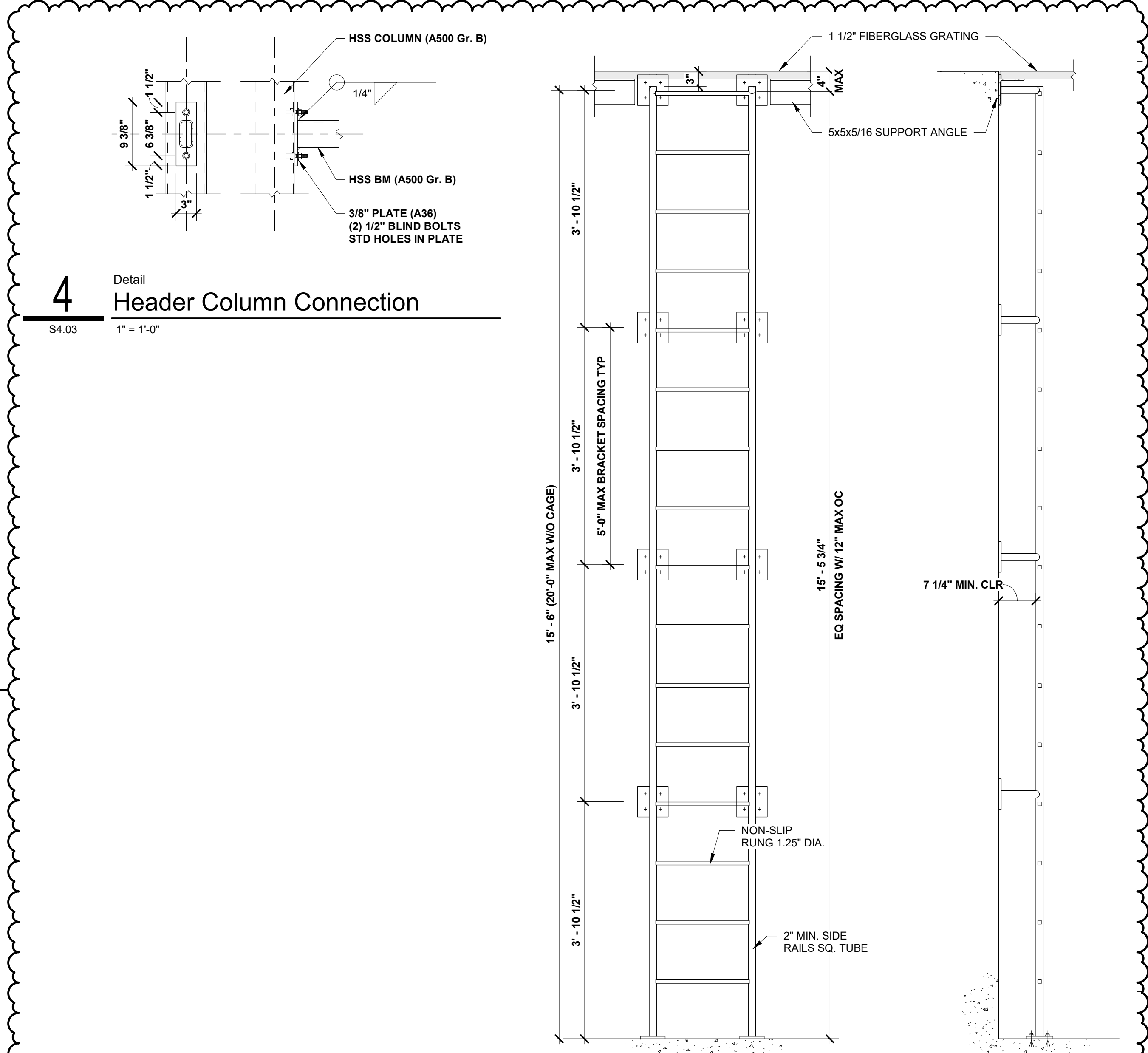
1
S4.03
Detail
WALL SCHED
1" = 1'-0"



3
S4.03
Detail
CMU Cut-Out Detail
1/2" = 1'-0"



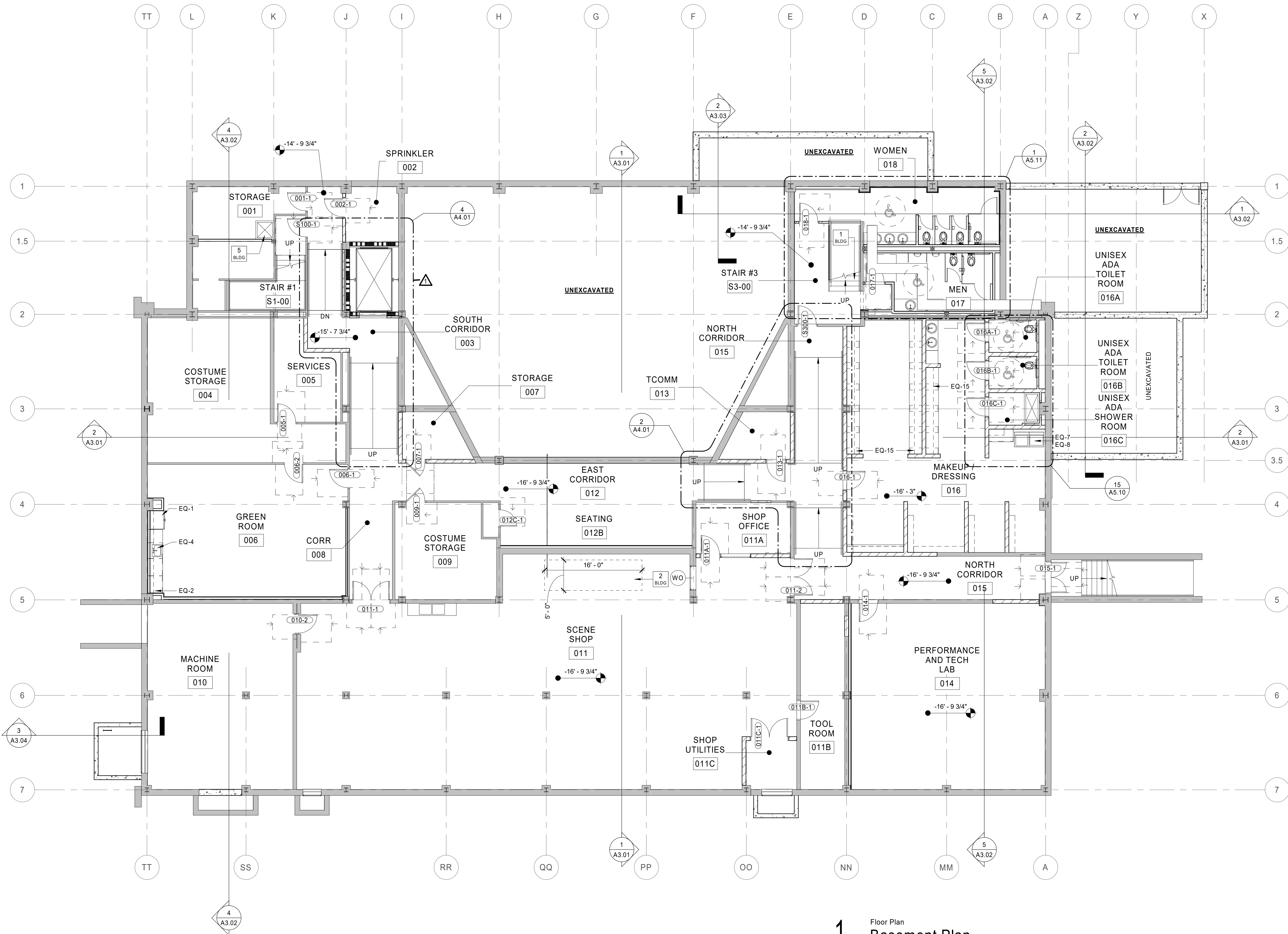
2
S4.03
Detail
Ledger for Joist Framing
1" = 1'-0"



4
S4.03
Detail
Header Column Connection
1" = 1'-0"

5
S4.03
Detail
Ladder Details - South Louver Pit
3/4" = 1'-0"

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020



1 Floor Plan
Basement Plan
A1.00 1/8" = 1'-0"

CODED BUILDING NOTES	
NO.	NOTE
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5	MOP SINK - REFER TO PLUMBING DRAWINGS
6	STAINLESS STEEL / GLASS RAILING SYSTEM SEE DETAIL S/A4.02 and S/A4.02
7	BUILT IN BENCH SEATING - REFER TO FINISH PLANS FOR ADDITIONAL INFORMATION
8	CASEWORK / APPLIANCES - REFER TO FINISH PLANS FOR ADDITIONAL INFORMATION
9	WOOD WALL PANEL SYSTEM - REFER TO FINISH PLANS FOR ADDITIONAL INFORMATION
10	DRINKING FOUNTAINS - REFER TO PLUMBING DRAWINGS
11	RELOCATED EXISTING FURNISHINGS / EQUIPMENT

GENERAL PLAN NOTES	
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6.	STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, LOW VOLTAGE AND FOOD SERVICE ELEMENTS ARE SHOWN FOR REFERENCE ONLY. VERIFY EACH ELEMENT WITH THE ASSOCIATED ENGINEER'S DRAWINGS. COORDINATE CONFLICTS WITH THE ARCHITECT.
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8.	WALL FRAMING, INSULATION, SHEATHING, AND FINISHES SHALL EXTEND FROM THE TOP OF SLAB TIGHT TO THE UNDERSIDE OF THE DECK ABOVE UNLESS NOTED OTHERWISE. PARTIAL HEIGHT WALLS ARE NOTED WITH TOP OF WALL ELEVATIONS.
9.	REFER TO SPECIFICATIONS FOR EACH ITEM REPRESENTED WITHIN THE DRAWING SET.
10.	STUD WALL CONTRACTOR SHALL PROVIDE IN-WALL BLOCKING FOR WALL MOUNTED OWNER PROVIDED AND CONTRACTOR PROVIDED ITEMS REPRESENTED WITHIN THE DRAWINGS AND SPECIFICATIONS.
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12.	EACH EXTERIOR STUD WALL ACROSS THE ENTIRETY OF THE BUILDING IS TO RECEIVE A MINIMUM R-19 BATT INSULATION.
13.	SEE STRUCTURAL DRAWINGS FOR INFORMATION REGARDING CMU AND CAST-IN-PLACE WALLS.
14.	IT IS THE GENERAL DESIGN INTENT THAT ALL NEW WALLS ALIGN WITH THE FACE OF EXISTING ADJACENT WALL CONSTRUCTION.



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CERTIFICATION

Construction Documents
Addendum #3

Indiana State University -
Dreiser Hall Renovation

Terre Haute, Indiana 47809

Project No.: 19A052
Drawn By: J. Starnier
Checked By: Checker
Scale: As Noted
Issue Date: June 26, 2020

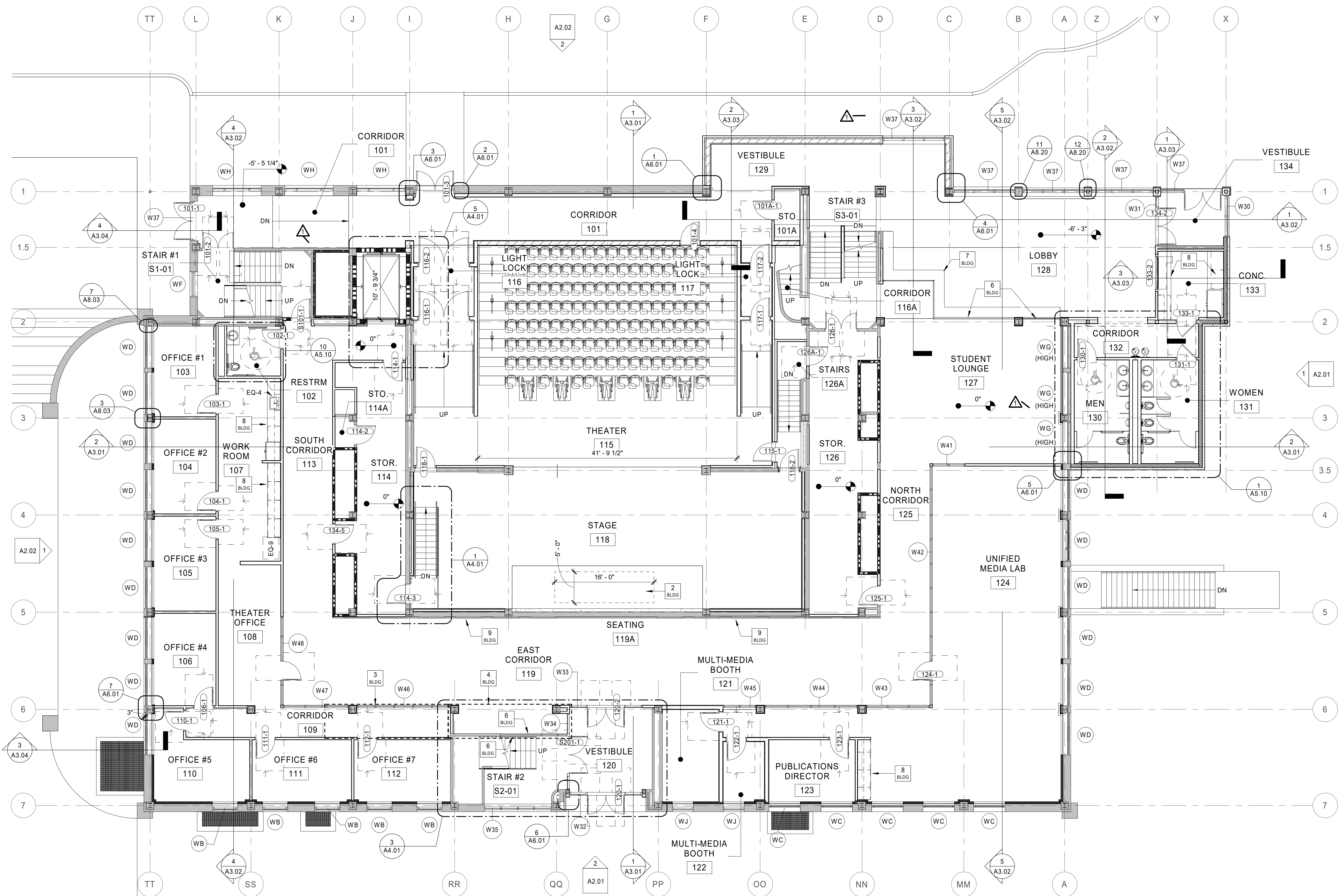
REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
1	Addendum #1	6/12/2020
3	Addendum #3	6/26/2020

SYMBOL LEGEND	
CODED NOTES OF VARYING TYPES: SEE SCHEDULES ON THIS SHEET	
101	DOOR TAG: SEE SHEET A8-SERIES DRAWINGS
WW	WALL TAG: SEE SHEET A0.10 AND A0.11 FOR WALL TYPE AND FIRE RATING REQUIREMENTS. SEE A5 SERIES DRAWINGS FOR WALL FINISHES.
[S: 101A]	SIGN TAG: SEE SIGNAGE PACKAGE
W1	WINDOW TAG: SEE A8-SERIES DRAWINGS

Basement Floor Plan

A1.00

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1 Floor Plan
First Floor Plan
A1.01 1/8" = 1'-0"

CODED BUILDING NOTES

NO.	NOTE
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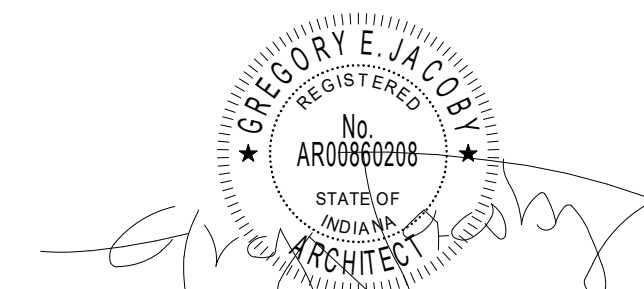
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CERTIFICATION

Construction Documents
Addendum #3

Indiana State University -
Dreiser Hall Renovation

Terre Haute, Indiana 47809

Project No.: 19A052
Drawn By: J. Starneri
Checked By: Checker
Scale: As Noted
Issue Date: June 26, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
1	Addendum #1	6/12/2020
3	Addendum #3	6/26/2020

SYMBOL LEGEND

CODED NOTES OF VARYING
TYPES: SEE SCHEDULES ON THIS
SHEET

101 DOOR TAG: SEE SHEET A8-SERIES
DRAWINGS

WW WALL TAG: SEE SHEET A0.10 AND A0.11 FOR
WALL TYPE AND FIRE RATING
REQUIREMENTS. SEE A5 SERIES DRAWINGS
FOR WALL FINISHES.

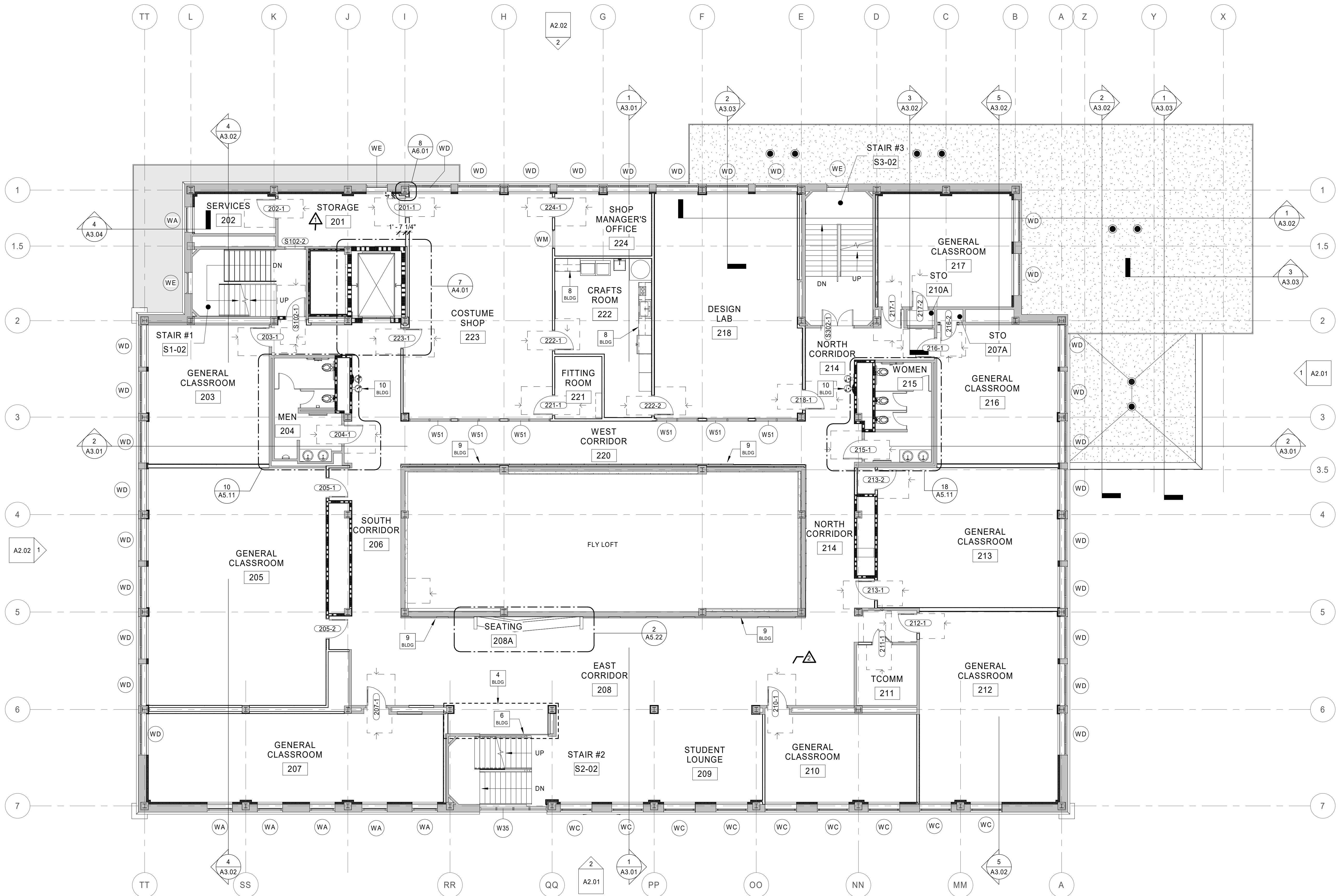
[S: 101A] SIGN TAG: SEE SIGNAGE PACKAGE

W1 WINDOW TAG: SEE A8-SERIES DRAWINGS

1st Floor Plan

A1.01

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1 Floor Plan
2nd Floor Plan
A1.02 1/8" = 1'-0"

CODED BUILDING NOTES	
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Addendum #3

Indiana State University -
Dreiser Hall Renovation

Terre Haute, Indiana 47809

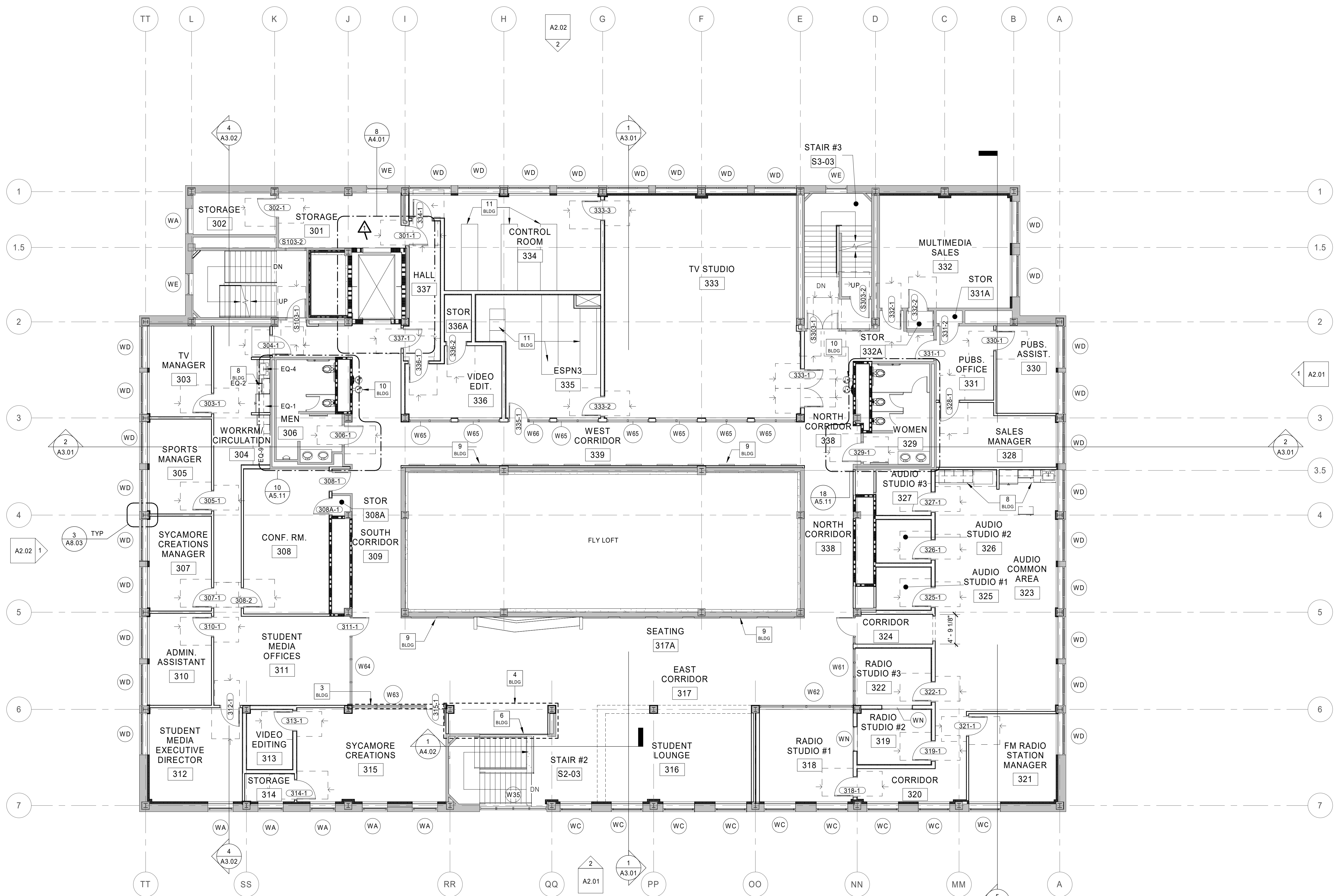
Project No.: 19A052
Drawn By: J. Starneri
Checked By: Checker
Scale: As Noted
Issue Date: June 26, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
1	Addendum #1	6/12/2020
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020

2nd Floor Plan

A1.02

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1 Floor Plan
3rd Floor Plan
A1.03 1/8" = 1'-0"

CODED BUILDING NOTES

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- FLOORS SHALL SLOPE TO FLOOR DRAINS. SLOPES SHALL COMPLY WITH ADA ACCESSIBILITY GUIDELINES.
- WALL FRAMING, INSULATION, SHEATHING, AND FINISHES SHALL EXTEND FROM THE TOP OF SLAB TIGHT TO THE UNDERSIDE OF THE DECK ABOVE UNLESS NOTED OTHERWISE. PARTIAL HEIGHT WALLS ARE NOTED WITH TOP OF WALL ELEVATIONS.
- REFER TO SPECIFICATIONS FOR EACH ITEM REPRESENTED WITHIN THE DRAWING SET.
- STUD WALL CONTRACTOR SHALL PROVIDE IN-WALL BLOCKING FOR WALL MOUNTED OWNER PROVIDED AND CONTRACTOR PROVIDED ITEMS REPRESENTED WITHIN THE DRAWINGS AND SPECIFICATIONS.
- GENERAL CONTRACTOR TO PROVIDE BACKER ROD AND SEALANT OF A TYPE APPROPRIATE TO EACH CONDITION, BETWEEN MATERIALS BOTH SIMILAR AND DISSIMILAR THROUGHOUT THE INTERIOR AND EXTERIOR OF THE BUILDING. (COLORS TO BE SELECTED BY ARCHITECT)
- EACH EXTERIOR STUD WALL ACROSS THE ENTIRETY OF THE BUILDING IS TO RECEIVE A MINIMUM R-19 BATT INSULATION.
- SEE STRUCTURAL DRAWINGS FOR INFORMATION REGARDING CMU AND CAST-IN-PLACE WALLS.
- IT IS THE GENERAL DESIGN INTENT THAT ALL NEW WALLS ALIGN WITH THE FACE OF EXISTING ADJACENT WALL CONSTRUCTION.



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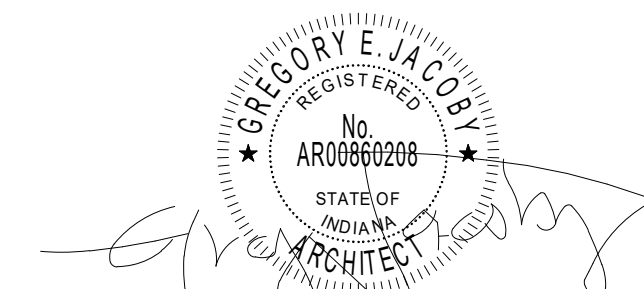
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CERTIFICATION

Construction Documents
Addendum #3

Indiana State University -
Dreiser Hall Renovation

Terre Haute, Indiana 47809

Project No.: 19A052
Drawn By: J. Starnier
Checked By: Checker
Scale: As Noted
Issue Date: June 26, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
1	Addendum #1	6/12/2020
3	Addendum #3	6/26/2020

SYMBOL LEGEND

CODED NOTES OF VARYING
TYPES: SEE SCHEDULES ON THIS
SHEET

101

DOOR TAG: SEE SHEET A8-SERIES
DRAWINGS

WW

WALL TAG: SEE SHEET A0.10 AND A0.11 FOR
WALL TYPE AND FIRE RATING
REQUIREMENTS. SEE A5 SERIES DRAWINGS
FOR WALL FINISHES.

[S: 101A]

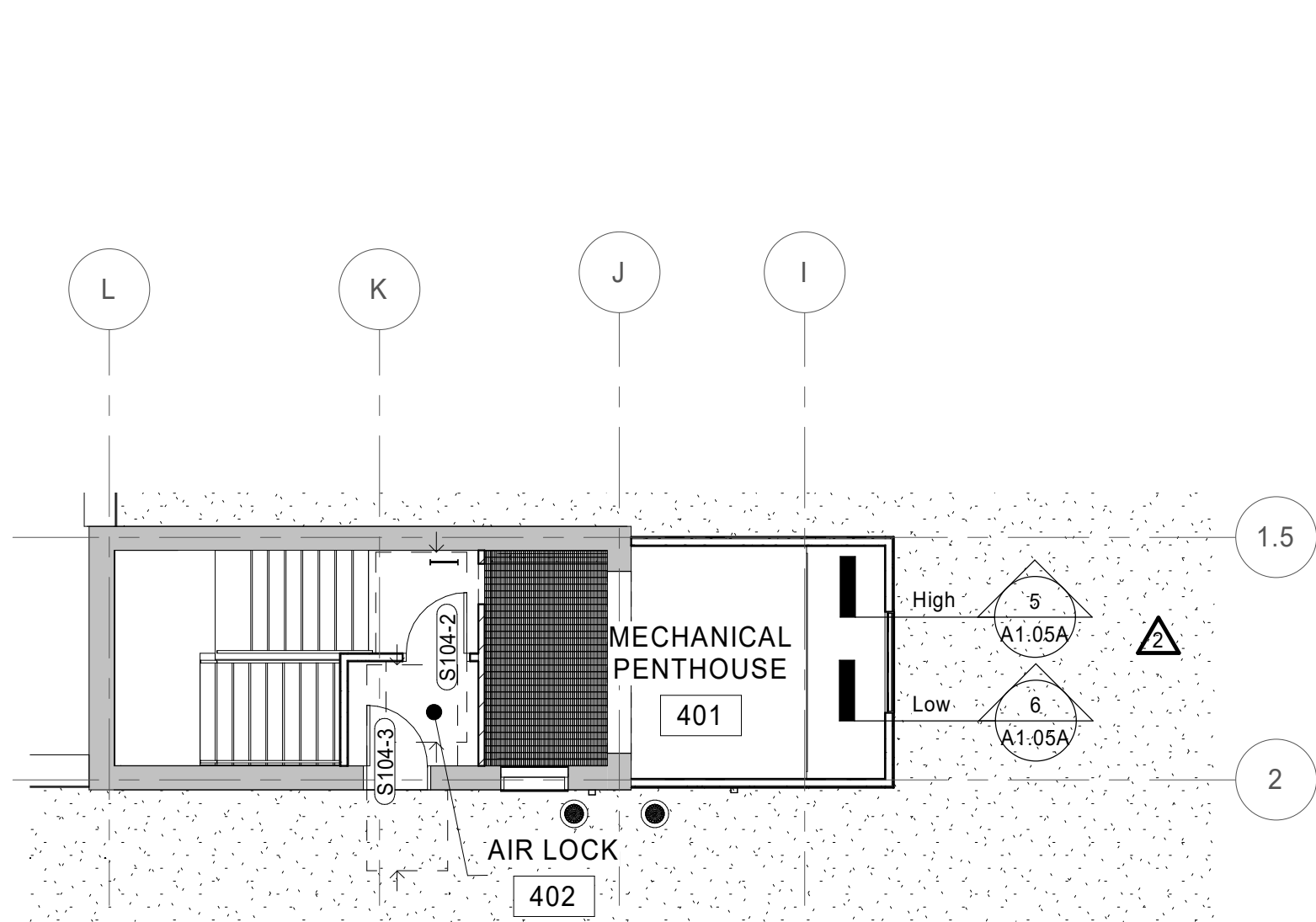
SIGN TAG: SEE SIGNAGE PACKAGE

W1

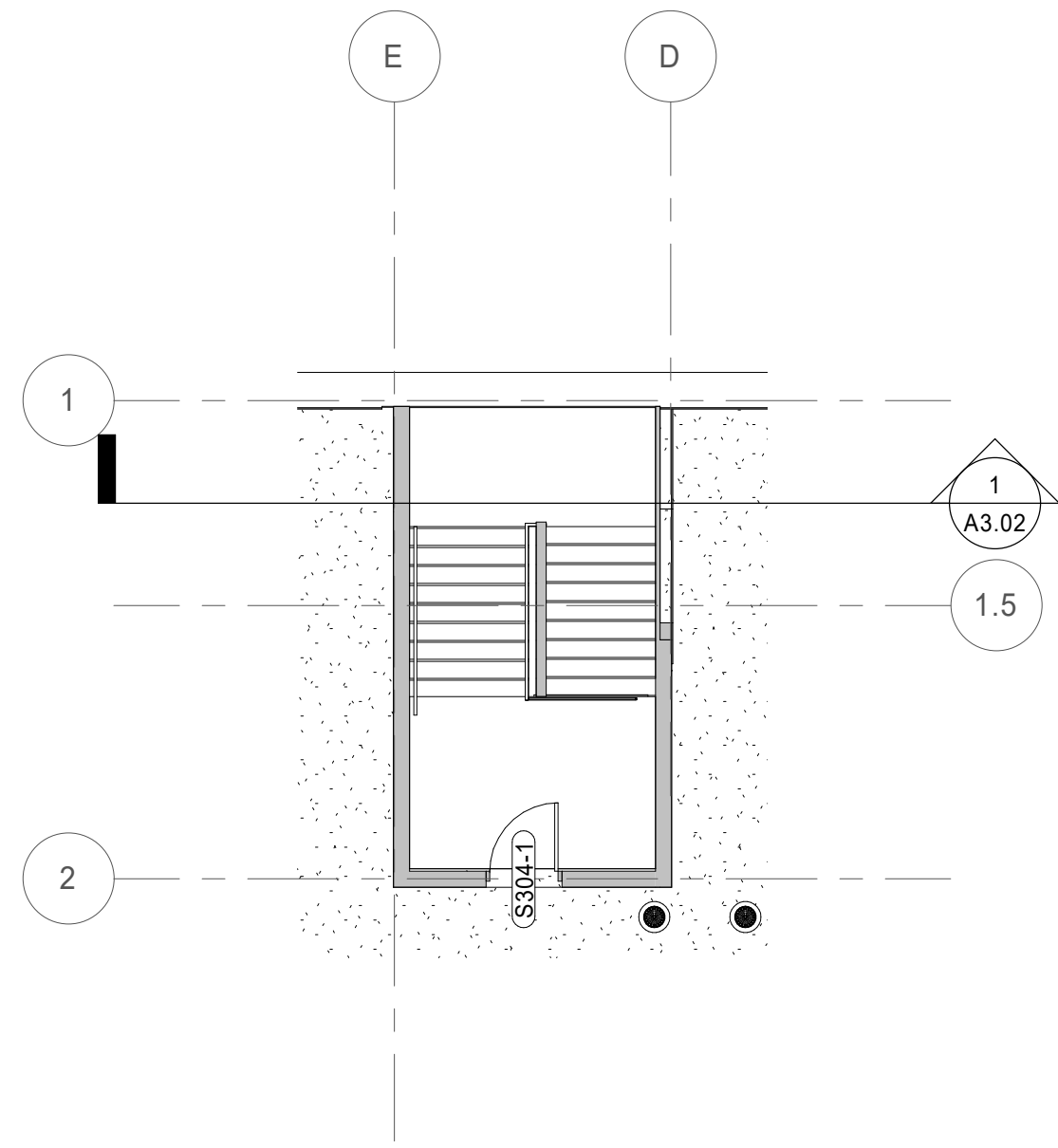
WINDOW TAG: SEE A8-SERIES DRAWINGS

3rd Floor Plan

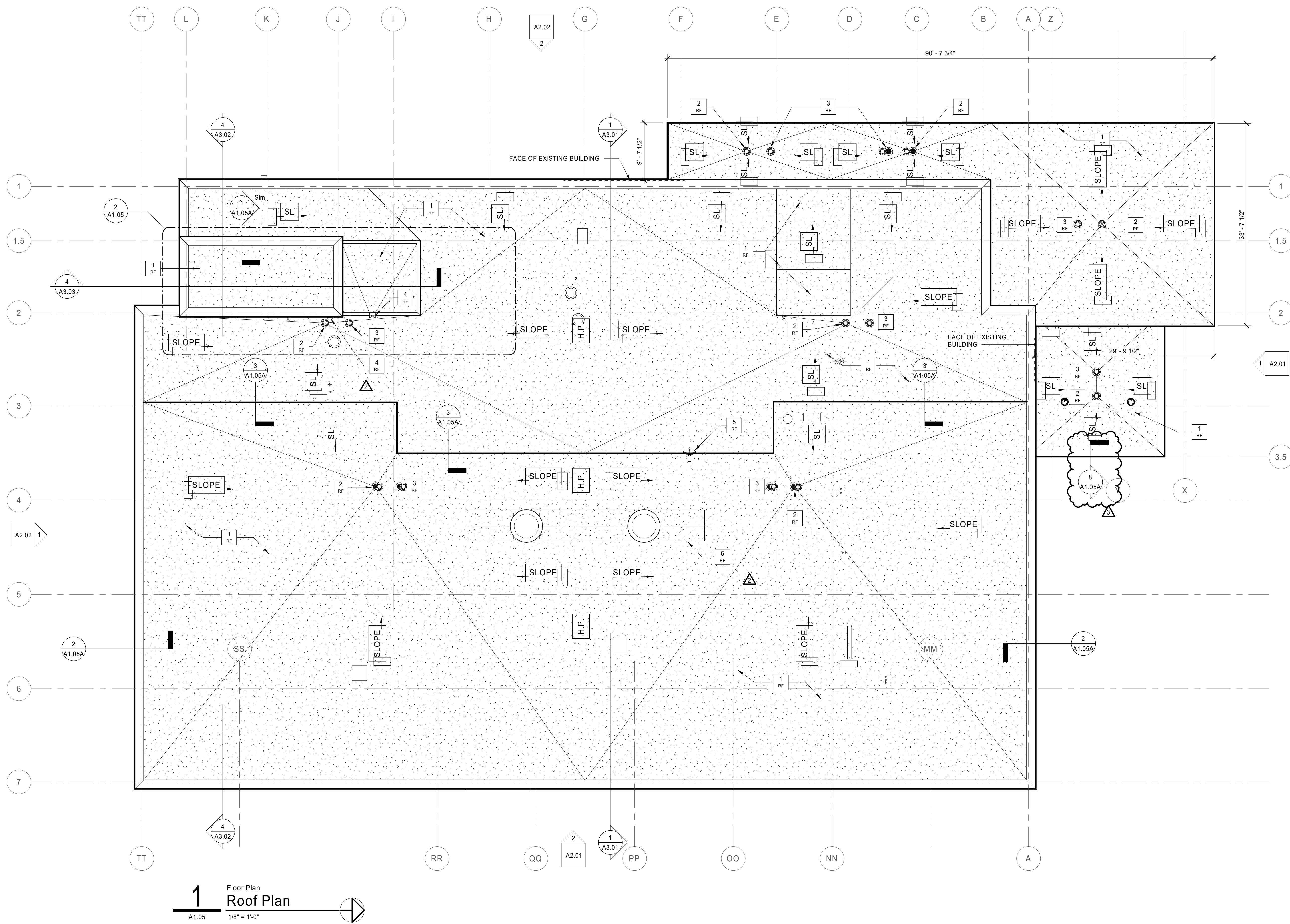
A1.03



2 Floor Plan
Partial Lower Roof Plan
A1.05 1/8" = 1'-0"



3 Floor Plan
Partial Lower Roof Plan
A1.05 1/8" = 1'-0"



1 Floor Plan
Roof Plan
A1.05 1/8" = 1'-0"

GENERAL ROOF NOTES

- DO NOT SCALE DRAWINGS.
- DIMENSIONS ARE TAKEN TO FACE OF METAL STUD, FACE OF CONCRETE, FACE OF MASONRY, FACE OF EXISTING FINISHES, AND COLUMN LINES UNLESS SPECIFICALLY NOTED OTHERWISE. CLEAR (CLR) DIMENSIONS INDICATE FINISH SURFACE TO FINISH SURFACE SPANS BETWEEN WALL OR FROM FINISH SURFACE OF WALL TO LATCHING OF ADJACENT DOOR OR CENTERLINE OF PLUMBING FIXTURES.
- ALL DESIGN TEAM DRAWINGS SHALL BE USED TO LOCATE BUILDING ELEMENTS. CONTACT THE ARCHITECT WITH CONFLICTS, DISCREPANCIES, AND OMISSIONS PRIOR TO COMMENCEMENT OF WORK. WRITTEN DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR REGARDING SUCH ITEMS.
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- ROOFS SHALL SLOPE TO ROOF DRAINS.
- REFER TO SPECIFICATIONS FOR EACH ITEM REPRESENTED WITHIN THE DRAWING SET.
- CONTRACTOR TO PROVIDE SEALANT (COLORS TO BE SELECTED BY ARCHITECT) BETWEEN DISSIMILAR MATERIALS.
- NOT ALL MEP ROOF TOP ITEMS AND EQUIPMENT ARE REPRESENTED ON THE ARCHITECTURAL DRAWINGS. SEE MEP DRAWINGS FOR ADDITIONAL EQUIPMENT, COMPONENTS, AND DETAILING.

CODED ROOF NOTES

NO.	NOTE
1	NEW MEMBRANE ROOFING SYSTEM OVER TAPERED RIGID INSULATION
2	ROOF DRAIN - REFER TO PLUMBING DRAWINGS
3	OVERFLOW ROOF DRAIN - REFER TO PLUMBING DRAWINGS
4	NEW THROUGH WALL ROOF SCUPPER WITH LEADER AND DOWNSPOUT
5	RADIO TOWER AND ANTENNAS TO REMAIN
6	EXISTING PENTHOUSE / SMOKE VENT TO REMAIN

SYMBOL LEGEND

CODED NOTES OF VARYING TYPES: SEE SCHEDULES ON THIS SHEET

MATERIAL FINISH NOTE: SEE A6-SERIES OF DRAWINGS AND SPECIFICATIONS

WINDOW TAG: SEE A8-SERIES DRAWINGS



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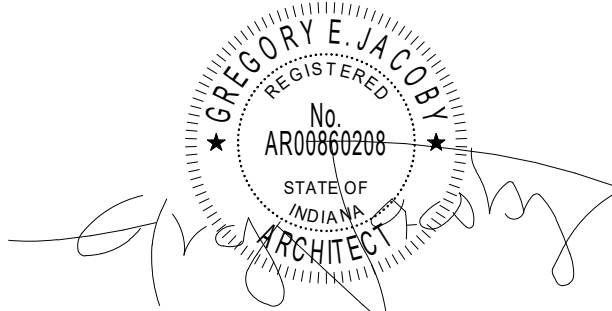
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Construction Documents
Addendum #3

Indiana State University -
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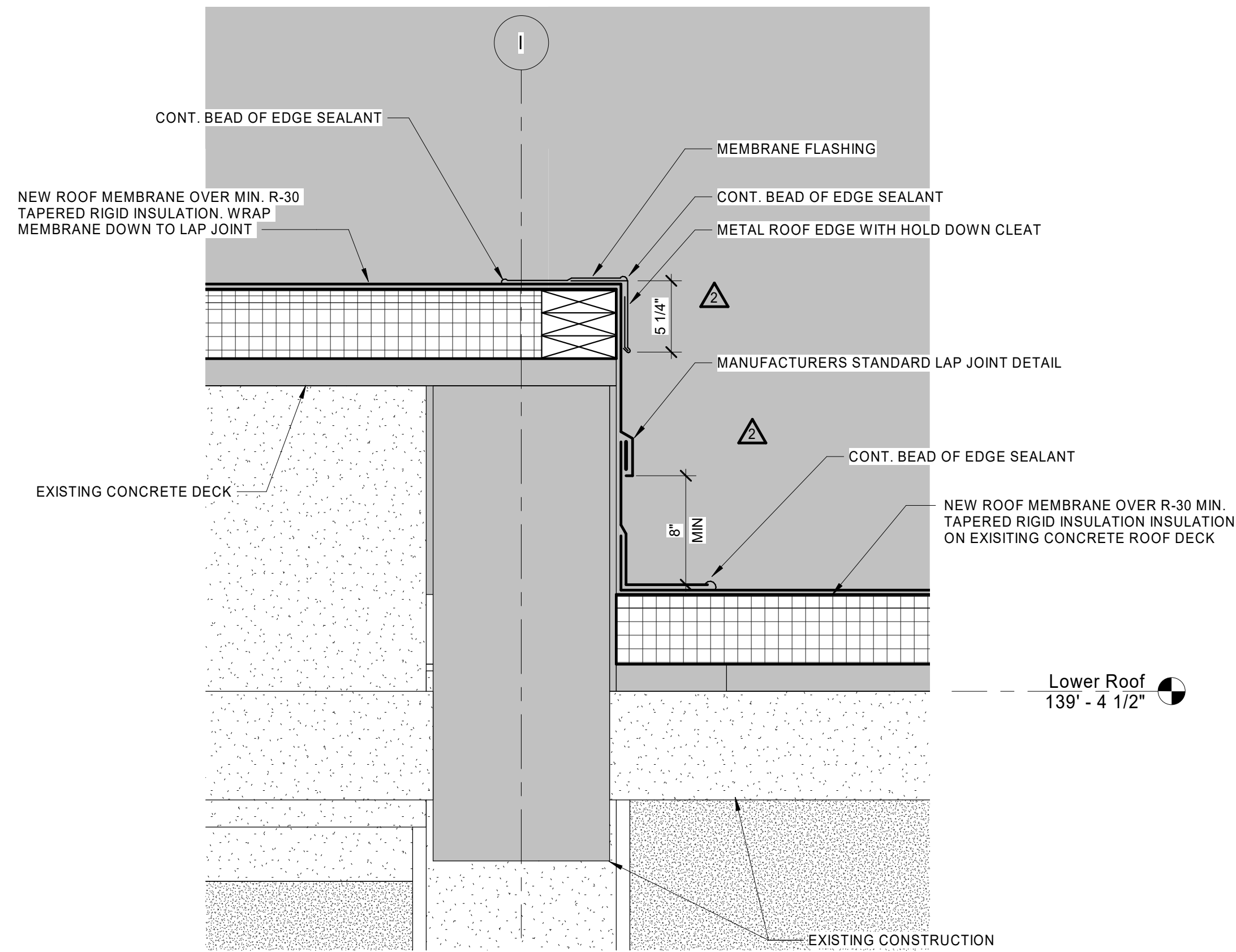
Terre Haute, Indiana 47809

Project No.: 19A052
Drawn By: J. Starneri
Checked By: Checker
Scale: As Noted
Issue Date: June 26, 2020

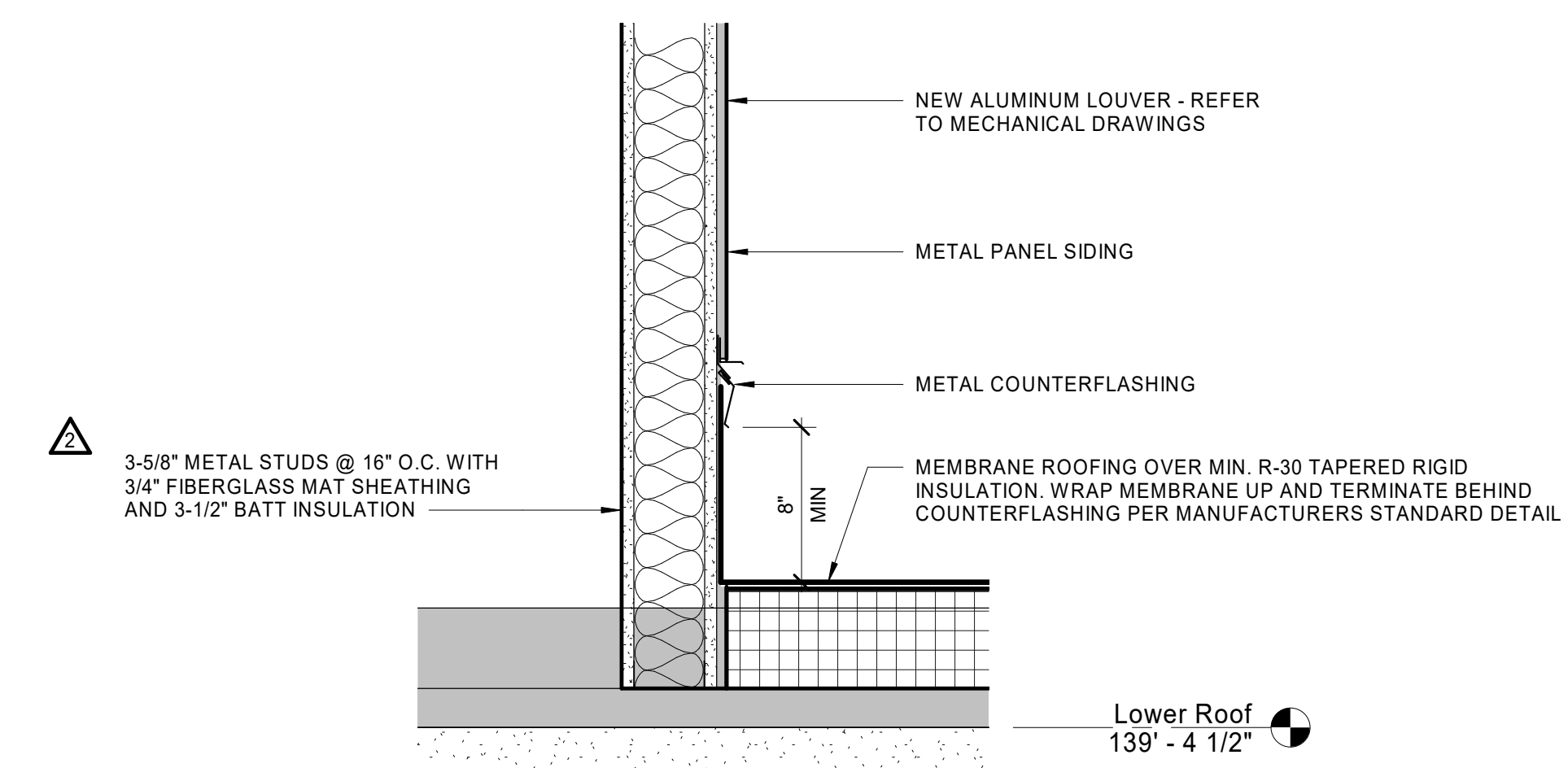
Rev. #	Revision Description	Issue Date
1	Addendum #1	6/12/2020
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Roof Plans

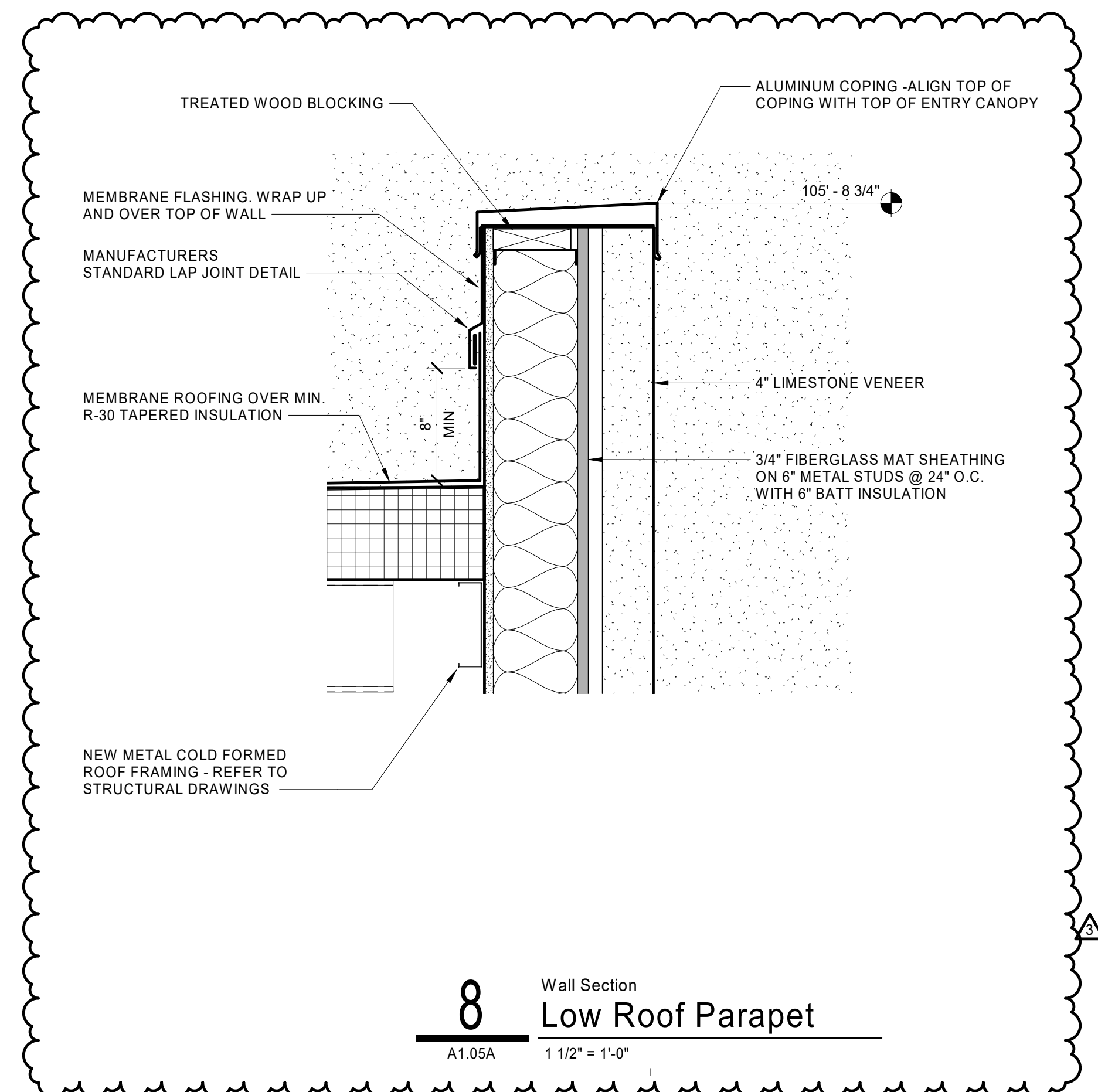
A1.05



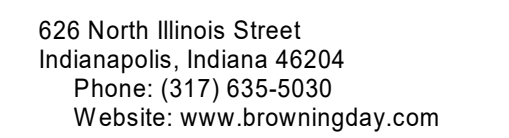
3 Detail Roof Transition Detail



6 Wall Section Penthouse Section - Callout 2



8 Wall Section Low Roof Parapet



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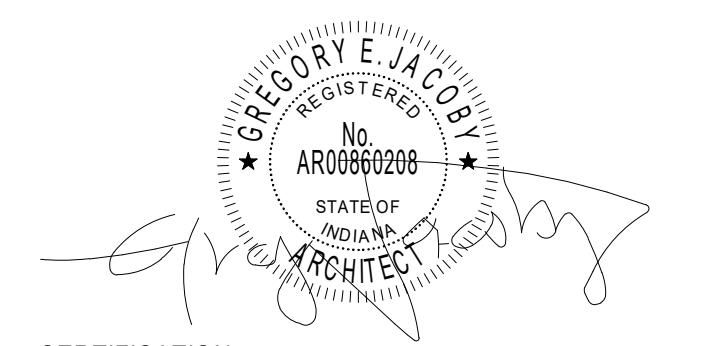
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Indiana State University -
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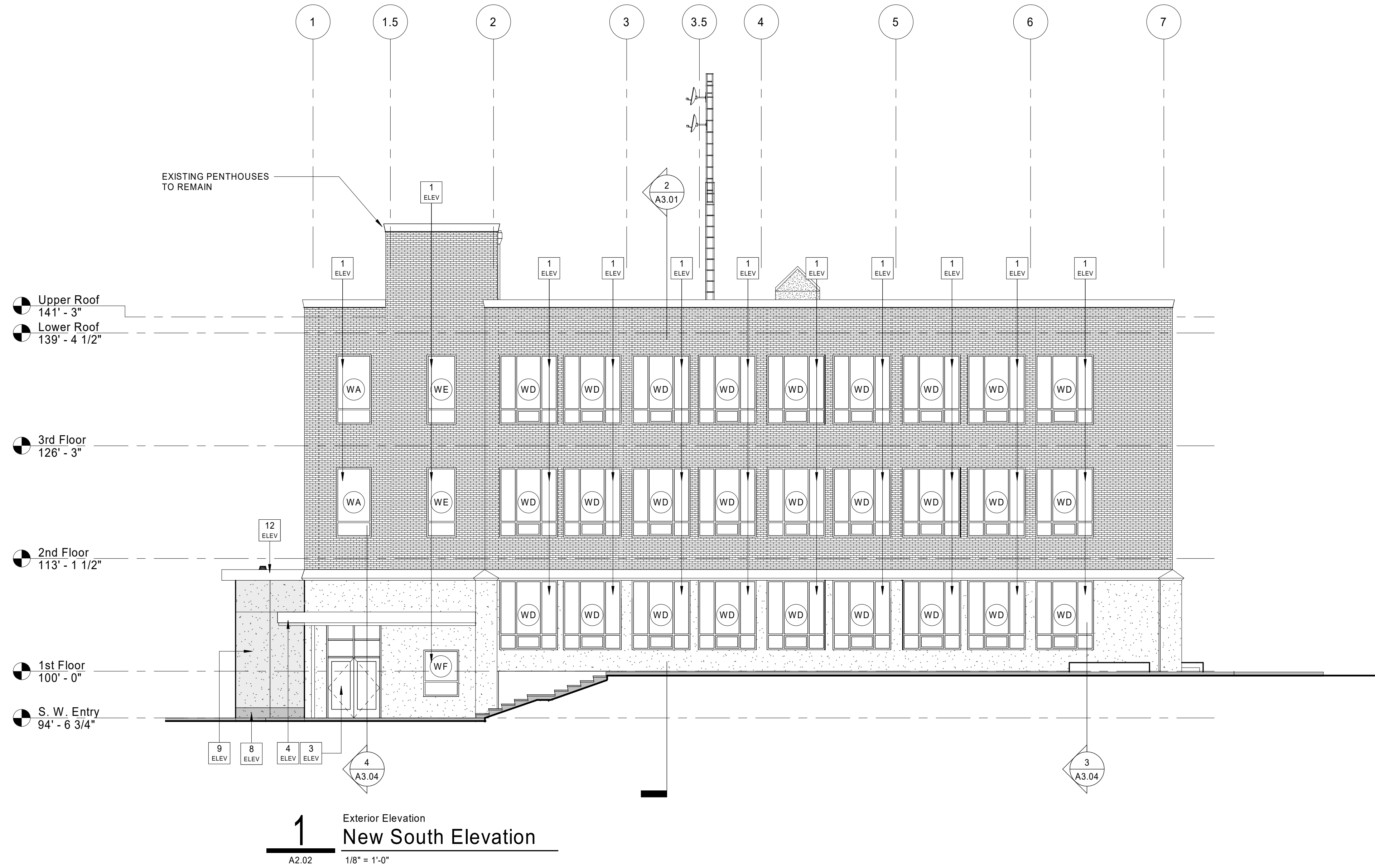
Project No.: 19A052
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REVISION SCHEDULE		
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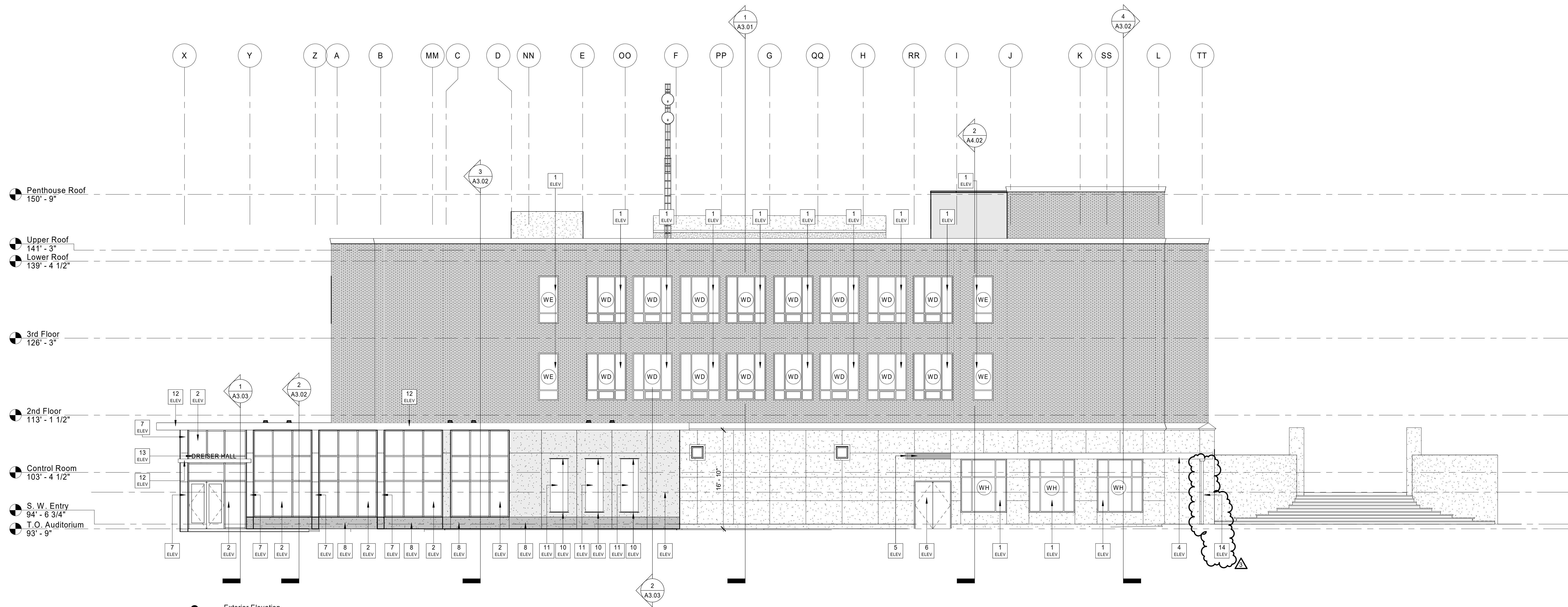
Roof Details

A1.05A

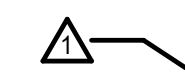
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1 Exterior Elevation
New South Elevation
A2.02 1/8" = 1'-0"



2 Exterior Elevation
New West Elevation
A2.02 1/8" = 1'-0"



GENERAL ELEVATION NOTES

1. DO NOT SCALE DRAWINGS.
2. ALTERNATE #3 - 100% OF EXISTING LIMESTONE JOINTS AND 10% OF EXISTING BRICK JOINTS TO BE REPOINTED. MORTAR TO MATCH ADJACENT MORTAR IN COLOR, TEXTURE, AND HARDNESS. 100% OF LIMESTONE TO BE CLEANED. CONTRACTOR TO ASSUME 25 LIMESTONE PATCHES. BASE BID. NO MASCONRY RESTORATION.

SYMBOL LEGEND

P-1 MATERIAL FINISH NOTE. SEE A5-SERIES OF DRAWINGS AND SPECIFICATIONS

W1 WINDOW TAG: SEE A8-SERIES DRAWINGS

CODED ELEVATION NOTES

NO.	NOTE
1	NEW ALUMINUM WINDOWS. BASE BID. WINDOWS TO BE FIXED IN PLACE. ALTERNATE #1: WINDOWS TO BE OPERABLE AS DEPICTED.
2	NEW ALUMINUM CURTAINWALL SYSTEM.
3	NEW ALUMINUM STOREFRONT ENTRANCE SYSTEM.
4	NEW ALUMINUM FASCIA ON EXISTING CANOPY STRUCTURE.
5	NEW ALUMINUM FASCIA ON NEW CANOPY STRUCTURE IN AREA INDICATED.
6	NEW HOLLOW METAL DOOR IN NEW OPENING.
7	ALUMINUM METAL PANEL COLUMN WRAP.
8	GRANITE WALL BASE.
9	LIMESTONE VENEER WALL CLADDING TO MATCH EXISTING.
10	WALL MOUNTED BANNER BRACKETS.
11	BANNERS (NOT IN CONTRACT).
12	METAL PANEL FASCIA.
13	EXTRUDED ALUMINUM BUILDING SIGNAGE.
14	EXISTING PIPE COLUMN - CLEAN AND PAINT



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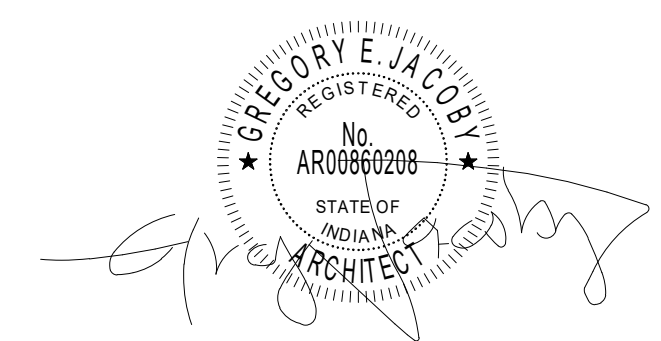
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Issue Date: June 26, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
1	Addendum #1	6/12/2020
3	Addendum #3	6/26/2020

Exterior Elevations

A2.02



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Addendum #3

Indiana State University -
Dreiser Hall Renovation

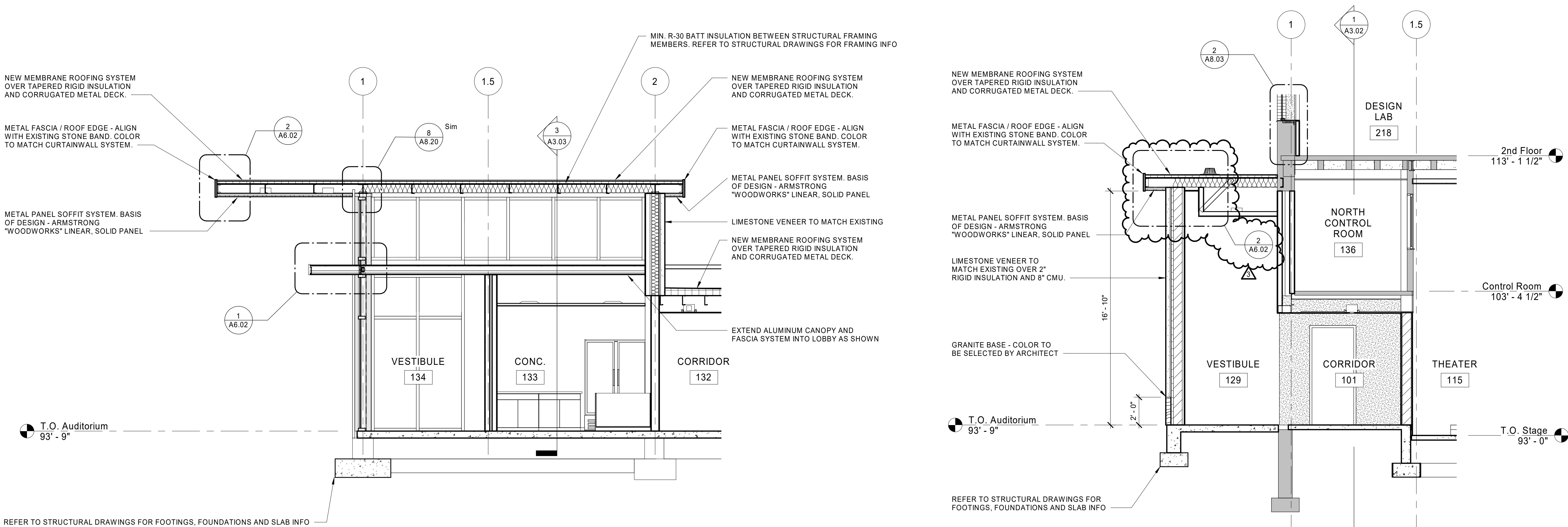
Terre Haute, Indiana 47809

Project No.: 19A052
Drawn By: JPS
Checked By: Checker
Scale: As Noted
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REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
2	Addendum #2	6/19/2020
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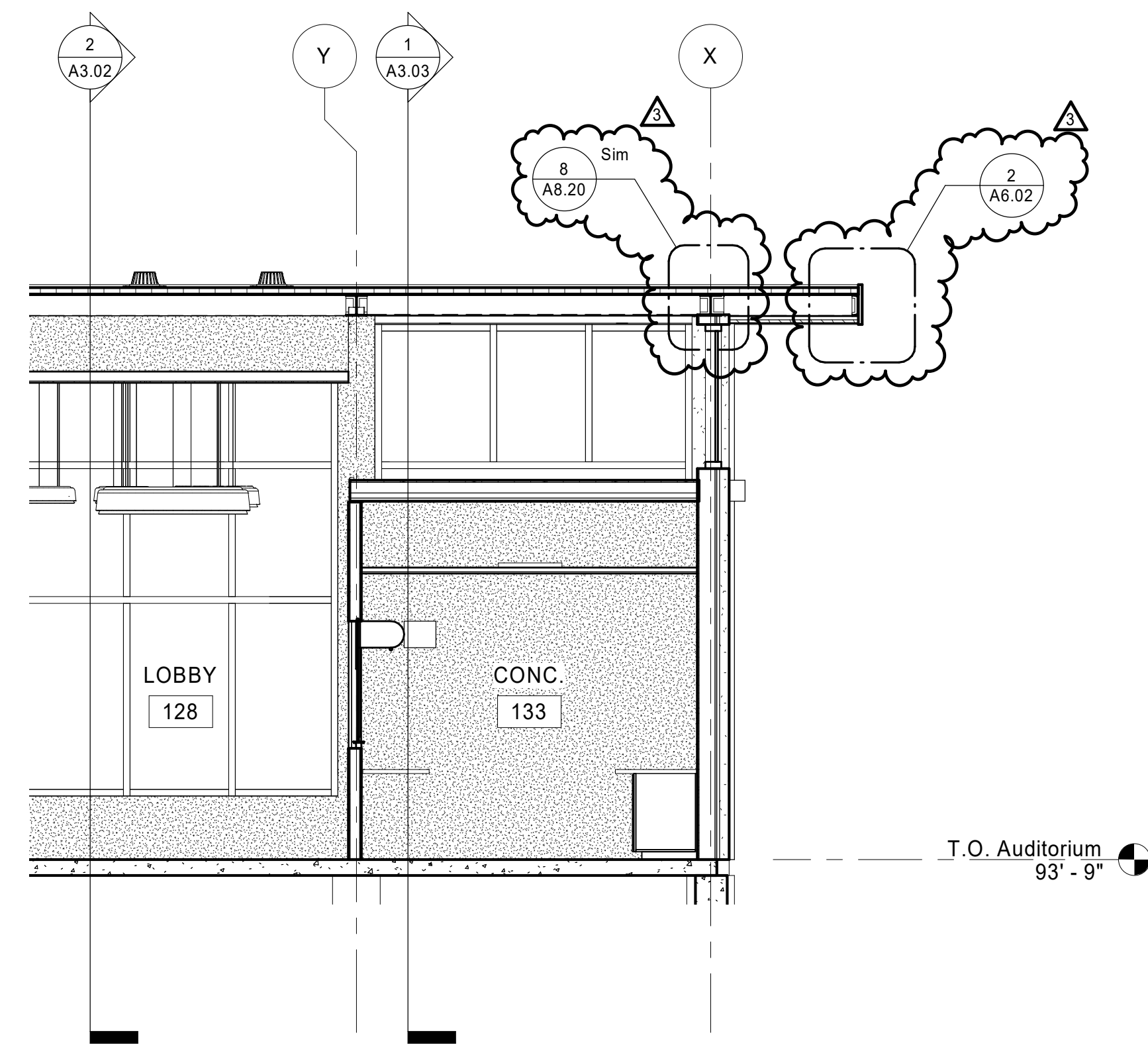
Building Sections

A3.03

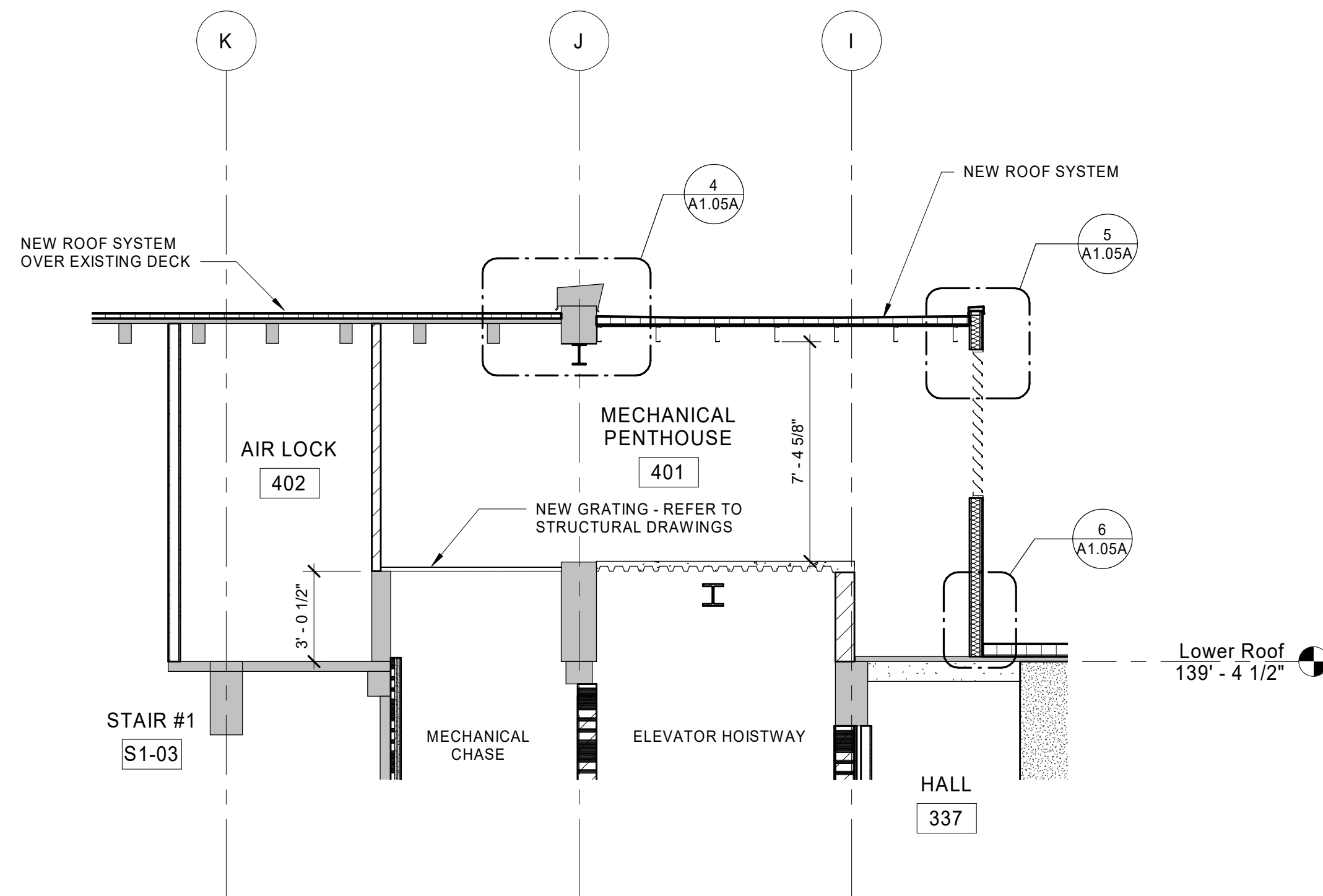


1 Wall Section
Entry / Concession Section
A3.03 1/4" = 1'-0"

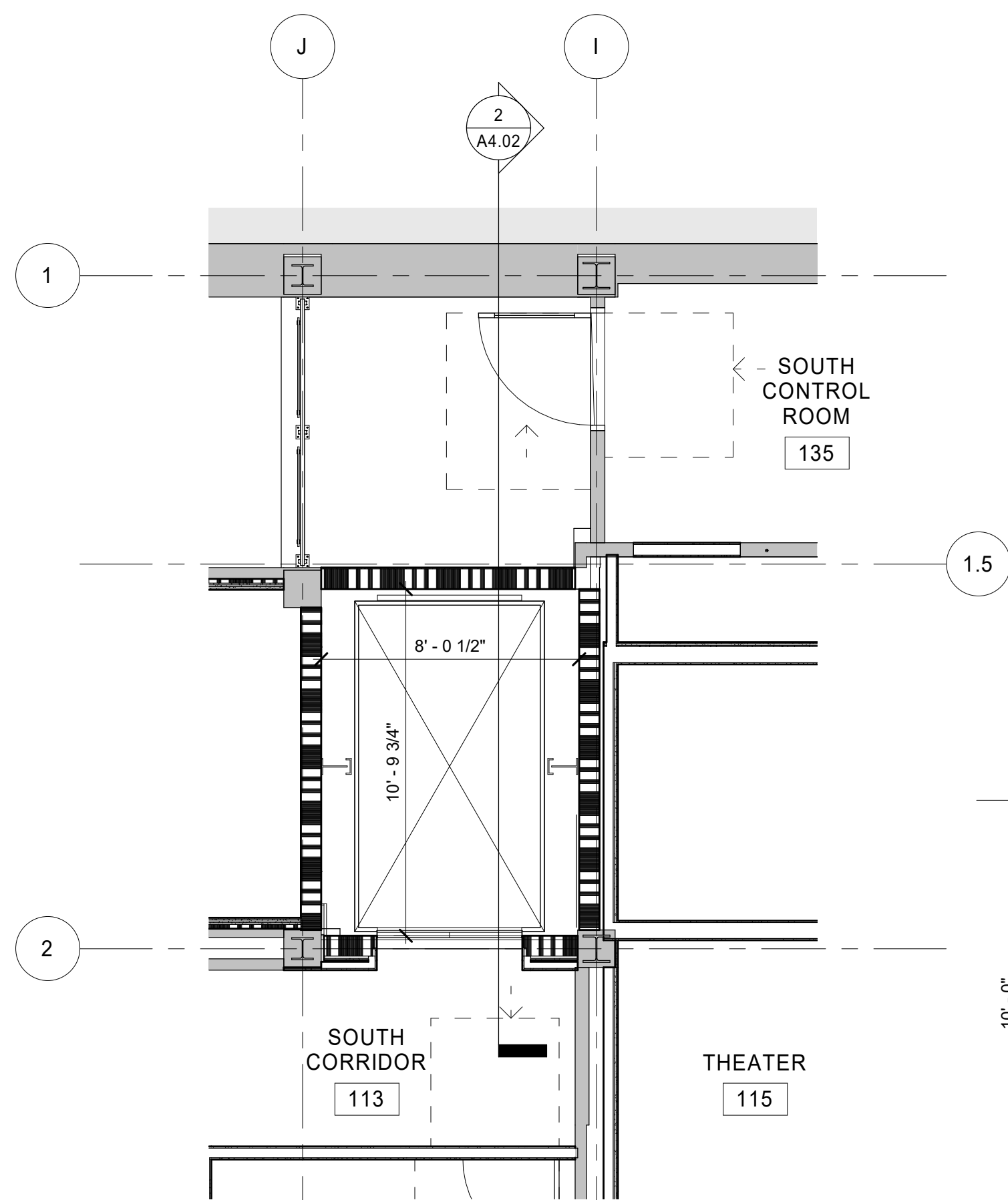
2 Wall Section
New Addition Vestibule #129
A3.03 1/4" = 1'-0"



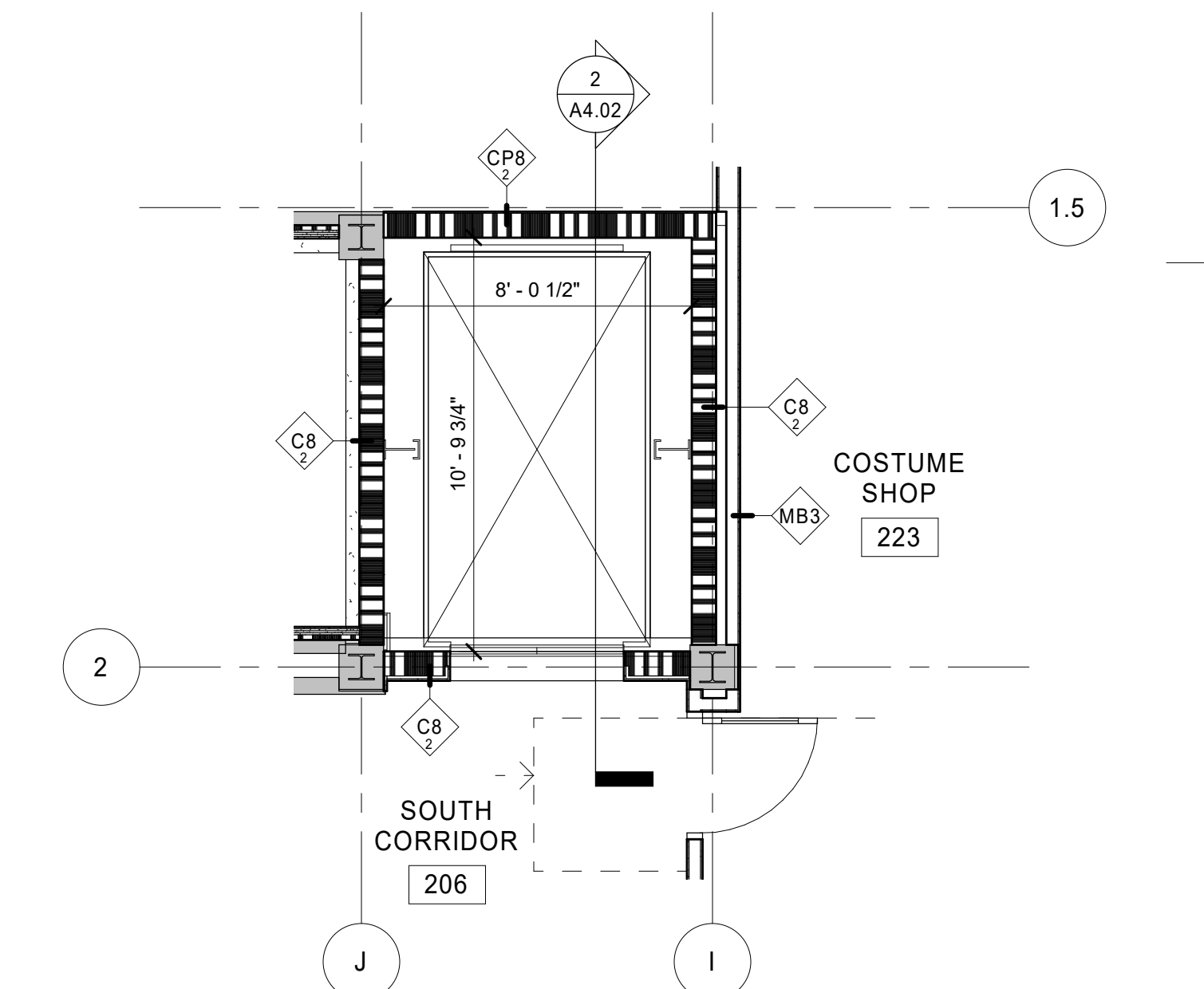
3 Wall Section
Concession Cross Section
A3.03 1/4" = 1'-0"



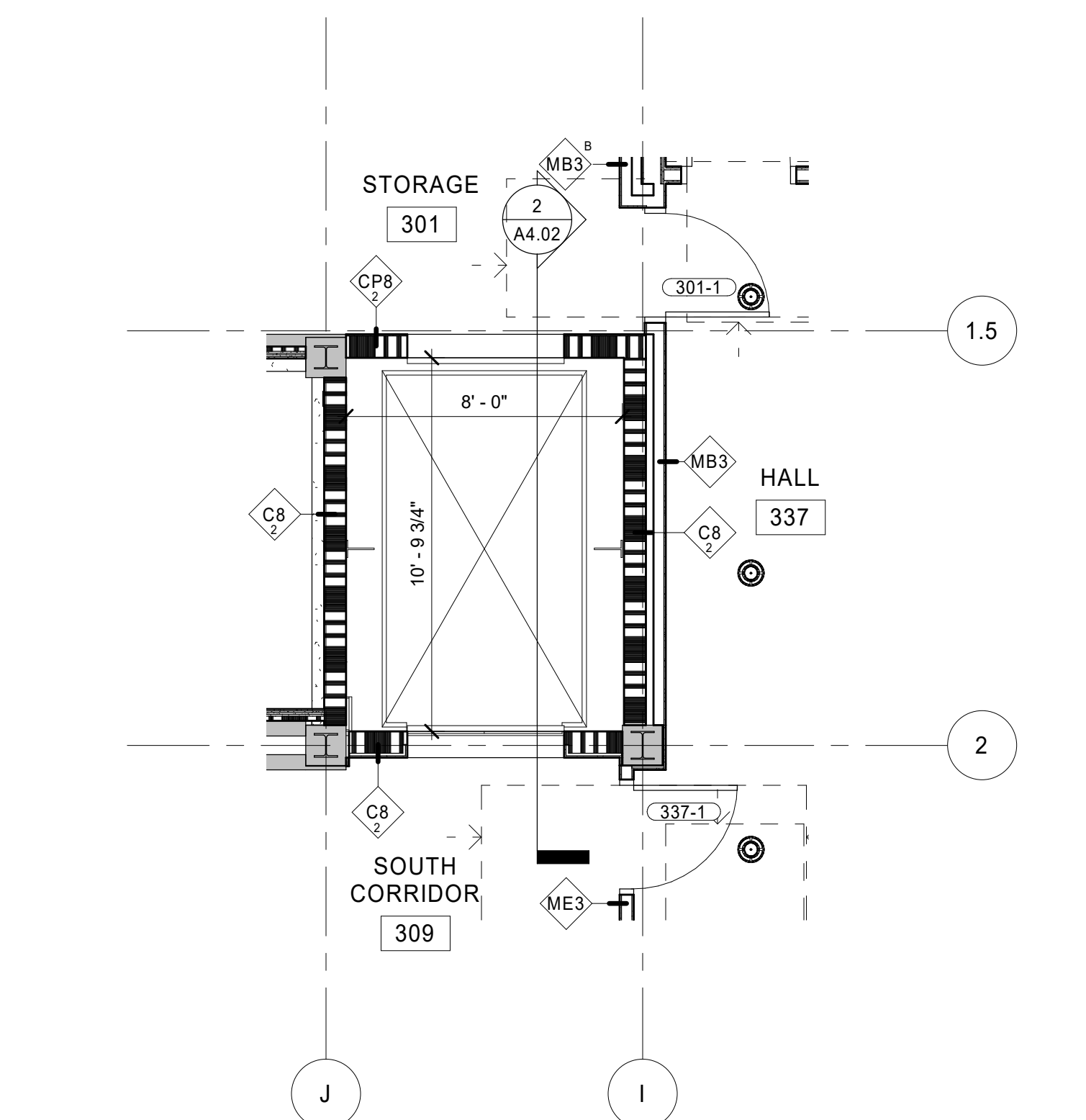
4 Wall Section
Penthouse Section
A3.03 1/4" = 1'-0"



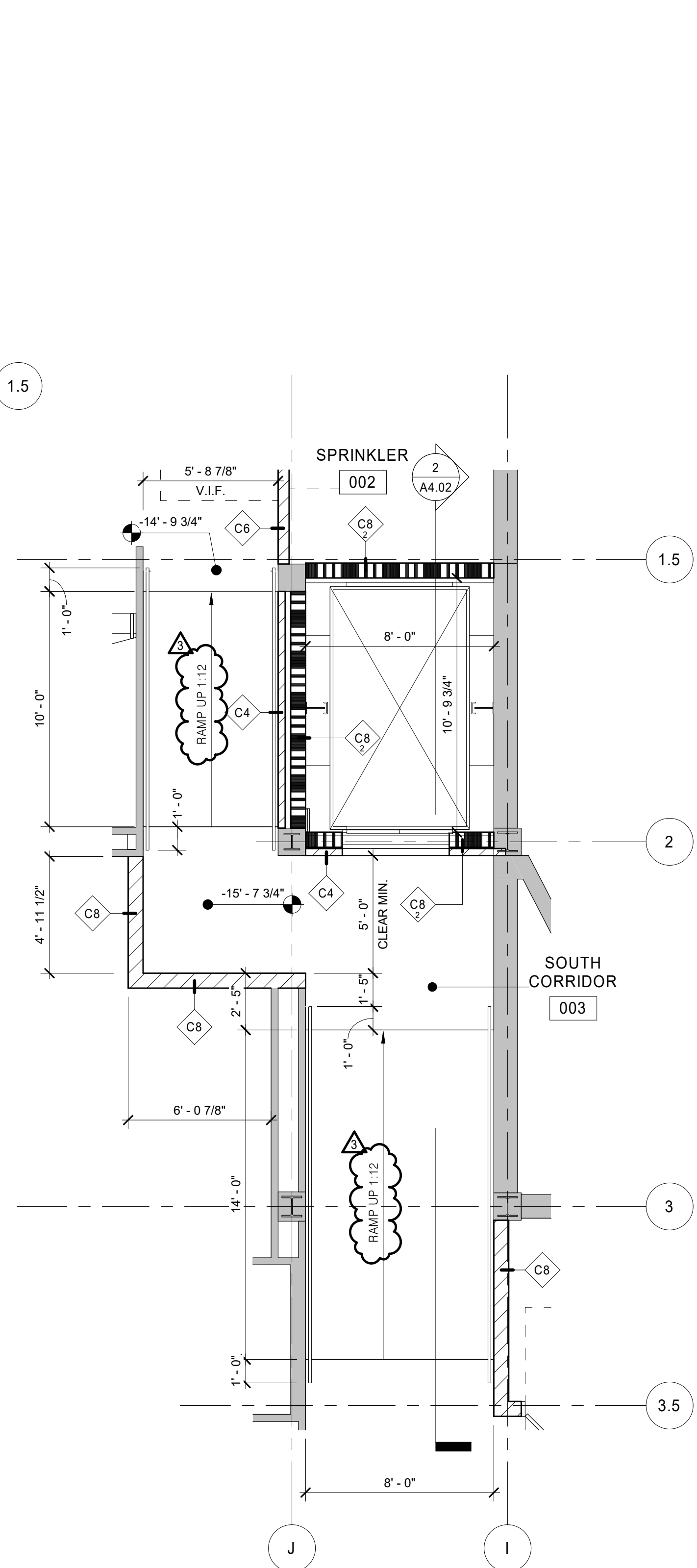
6 Floor Plan
Elevator - Control Room Level
A4.01 1/4" = 1'-0"



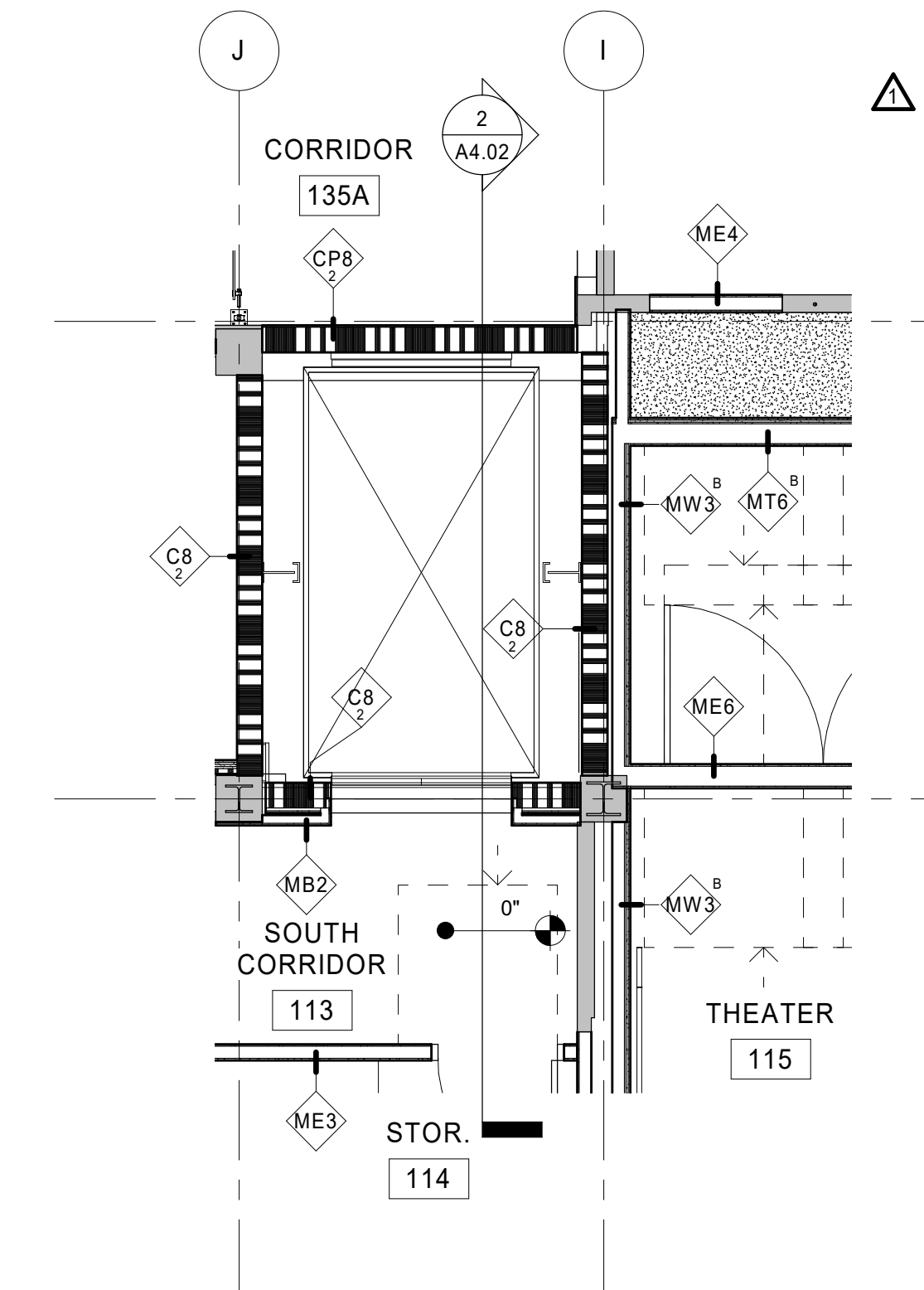
7 Floor Plan
Elevator - 2nd Floor
A4.01 1/4" = 1'-0"



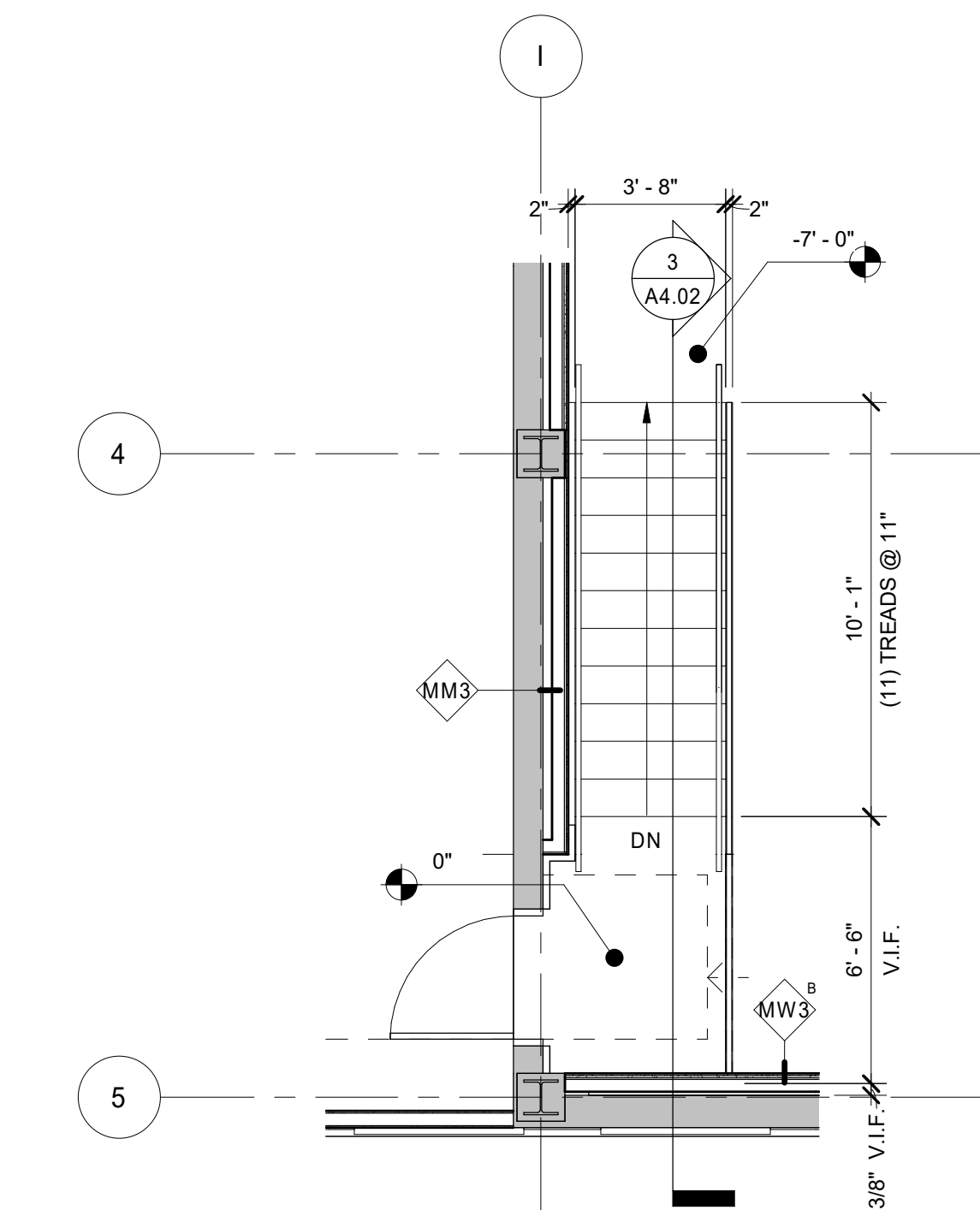
8 Floor Plan
Elevator - 3rd Floor
A4.01 1/4" = 1'-0"



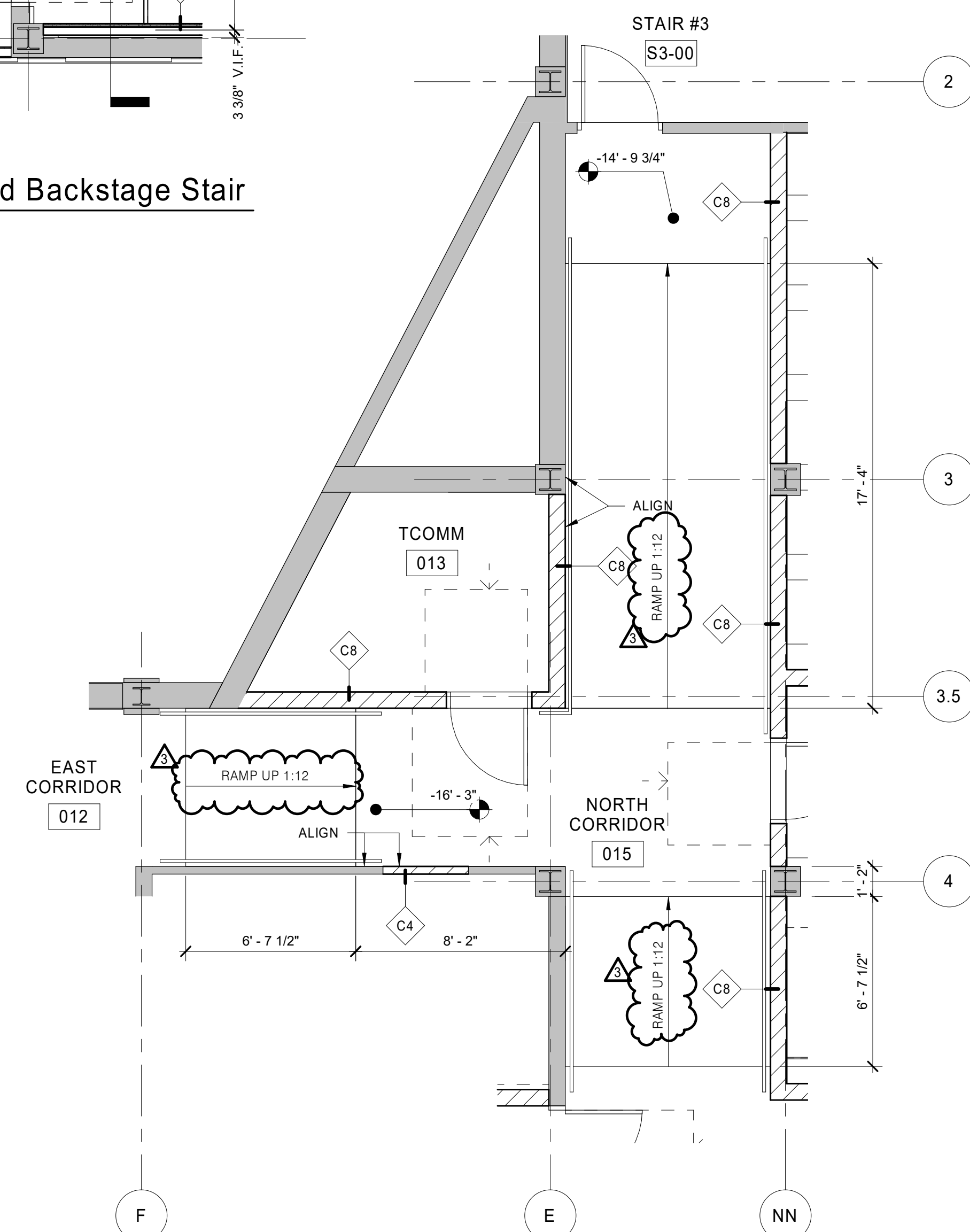
4 Floor Plan
Ramp / Elev - Basement
A4.01 1/4" = 1'-0"



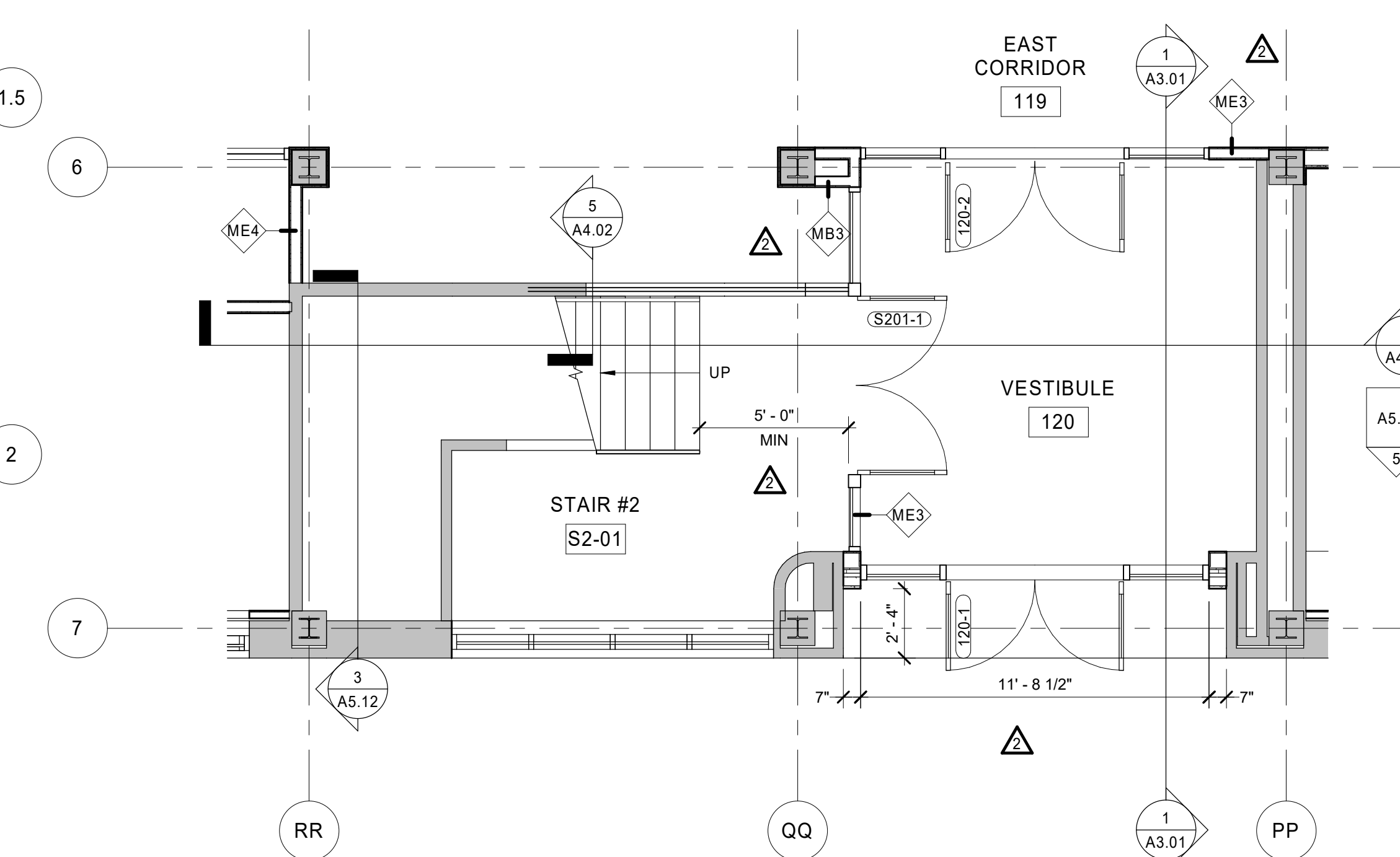
5 Floor Plan
Elevator - 1st Floor and Auditorium Levels
A4.01 1/4" = 1'-0"



1 Floor Plan
Enlarged Backstage Stair
A4.01 1/4" = 1'-0"



2 Floor Plan
North Ramps - Bsmt
A4.01 1/4" = 1'-0"



3 Floor Plan
Entry Vestibule / Stair
A4.01 1/4" = 1'-0"

- ### GENERAL STAIR NOTES
1. PROVIDE CONCRETE FILLED METAL PAN STAIR SYSTEM BETWEEN EACH FLOOR LEVEL UNLESS NOTED OTHERWISE.
 2. PAINT STEEL COMPONENTS OF STAIR UNLESS FINISH IS NOTED OTHERWISE. COLOR TO BE SELECTED BY ARCHITECT.
 3. STEPS WITHIN A RUN OF STAIRS ARE TO BE A 7" MAX. RISER AND AN 11" MAX. TREAD.
 4. STEPS ARE TO HAVE A 1" MAX. NOSING.
 5. PROVIDE MANUFACTURER STANDARD HANDRAILS AND GUARDRAILS WHICH COMPLY WITH GOVERNING CODES.
 6. PROVIDE GUARDRAILS ON THE OPEN SIDES OF STAIR RUNS. AN OPEN SIDE IS ANY GAP WIDER THAN 2" THAT HAS A VERTICAL FALL GREATER THAN 30" AND DOES NOT ALREADY HAVE A GUARD STRUCTURE AT LEAST 42" HIGH FROM THE NOSE OF THE TREAD.
 7. WALL STUD FRAMING CONTRACTOR TO PROVIDE IN-WALL BLOCKING FOR WALL MOUNTED HAND RAILS.
 8. SEE GENERAL RAILING NOTES.

- ### GENERAL RAILING NOTES
1. STAIR HANDRAILS ARE TO EXTEND 12" PAST THE TOP RISER AT 36" ABOVE FINISH FLOOR IN THE DIRECTION OF TRAVEL AND EXTEND A LENGTH EQUIVALENT TO THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER IN THE DIRECTION OF TRAVEL FOLLOWING THE SLOPE OF THE STAIR UNLESS THE HANDRAIL IS CONTINUOUS WITH THE HANDRAIL OF AN ADJACENT RUN OF STAIRS.
 2. RAMP HANDRAILS ARE TO EXTEND 12" PAST THE TOP AND BOTTOM TERMINUS OF THE RAMP AT 36" ABOVE FINISH FLOOR IN THE DIRECTION OF TRAVEL UNLESS THE HANDRAIL IS CONTINUOUS WITH THE HANDRAIL OF AN ADJACENT RUN OF RAMP.
 3. HANDRAILS SHALL RETURN TO A WALL, GUARD OR THE WALKING SURFACE OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR OR RAMP RUN. CONFIRM WITH THE ARCHITECT HOW EACH HANDRAIL IS TO RETURN PRIOR TO FABRICATION.
 4. RAILINGS SHALL COMPLY WITH APPLICABLE OPENING LIMITATIONS REQUIRED BY GOVERNING CODES.
 5. GRIND AND FINISH ALL WELDED JOINTS SMOOTH.
 6. NON-CIRCULAR HANDRAILS AND THE TOP RAIL OF GUARDRAILS WHICH ARE NON-CIRCULAR SHALL HAVE A MINIMUM EDGE RADIUS OF .01" AT EACH EDGE.
 7. COLORS FOR EACH PAINTED RAILING SYSTEM IS TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD FULL RANGE UNLESS NOTED OTHERWISE.
 8. HANDRAILS ARE TO BE LOCATED ON EACH SIDE OF A STAIR AND RAMP.
 9. GUARDRAILS WITH HANDRAILS ARE TO BE LOCATED ALONG EACH SIDE OF A STAIR THAT IS NOT IMMEDIATELY ADJACENT TO A WALL OF AT LEAST 42" IN HEIGHT FROM THE NOSING OF A TREAD.
 10. EACH HANDRAIL AND EACH GUARDRAIL SHALL RESIST A LOAD OF 50 POUNDS PER LINEAR FOOT APPLIED IN ANY DIRECTION AT THE TOP AND TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE BUILDING STRUCTURE.
 11. EACH HANDRAIL AND EACH GUARDRAIL SHALL RESIST A SINGLE CONCENTRATED LOAD OF 200 POUNDS APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP AND BE ABLE TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE BUILDING STRUCTURE. THIS LOAD NEED NOT BE ASSUMED TO ACT CONCURRENTLY WITH THE LOADS SPECIFIED IN GENERAL RAILING NOTE No. 10.



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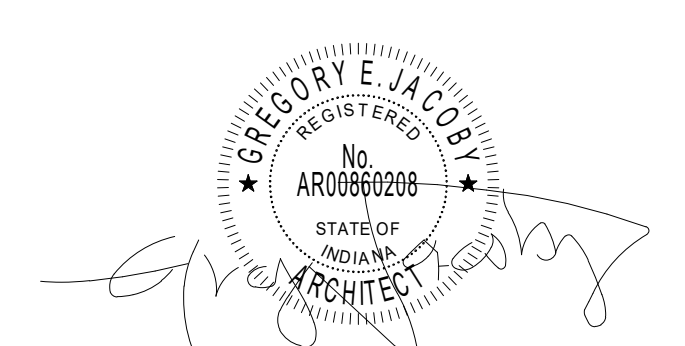
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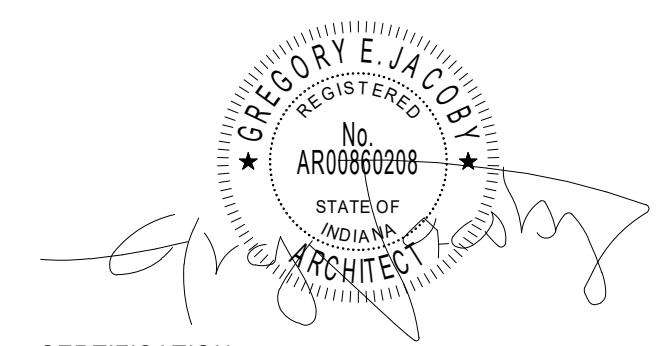
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Vertical Circulation

A4.01



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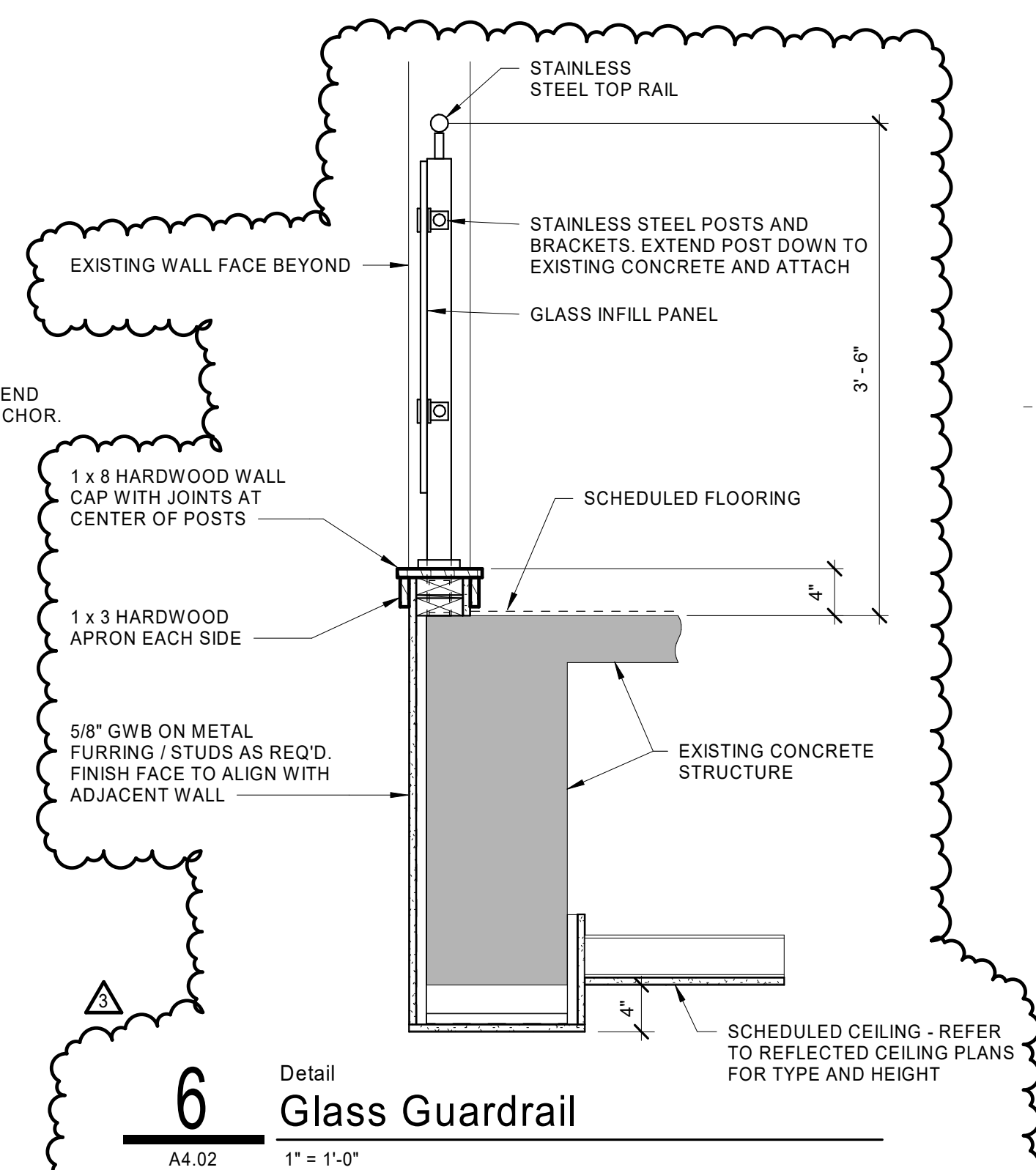
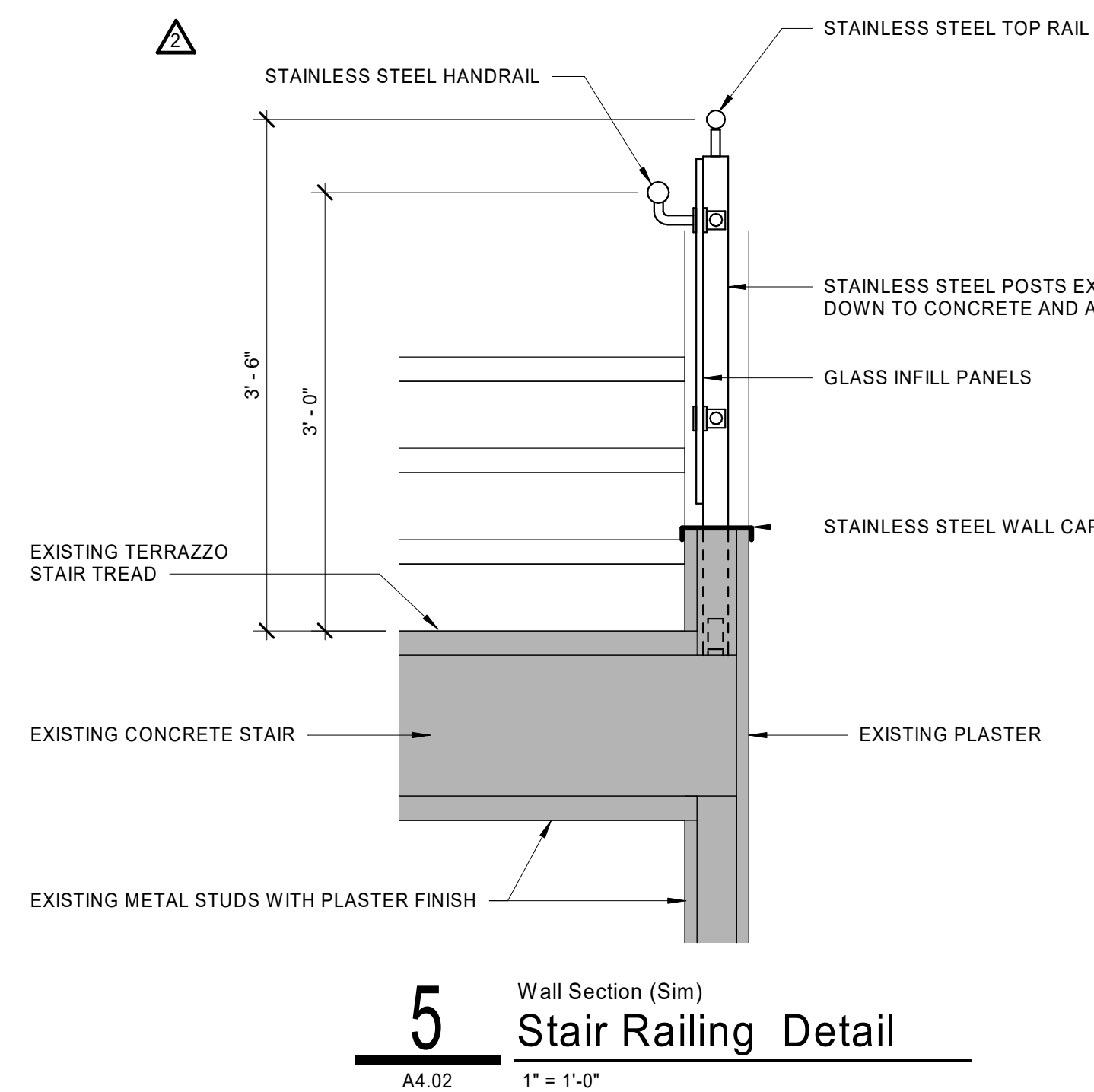
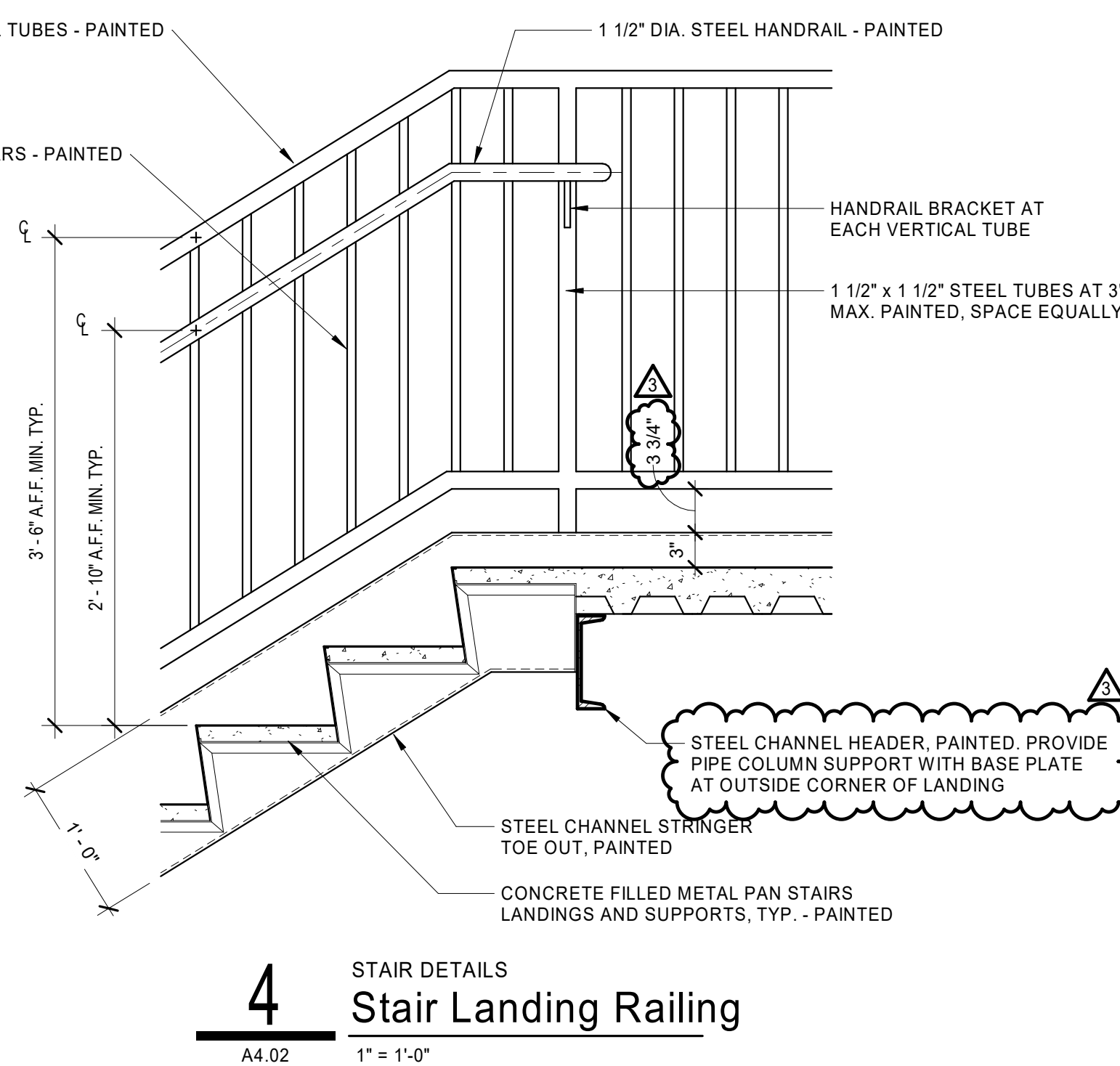
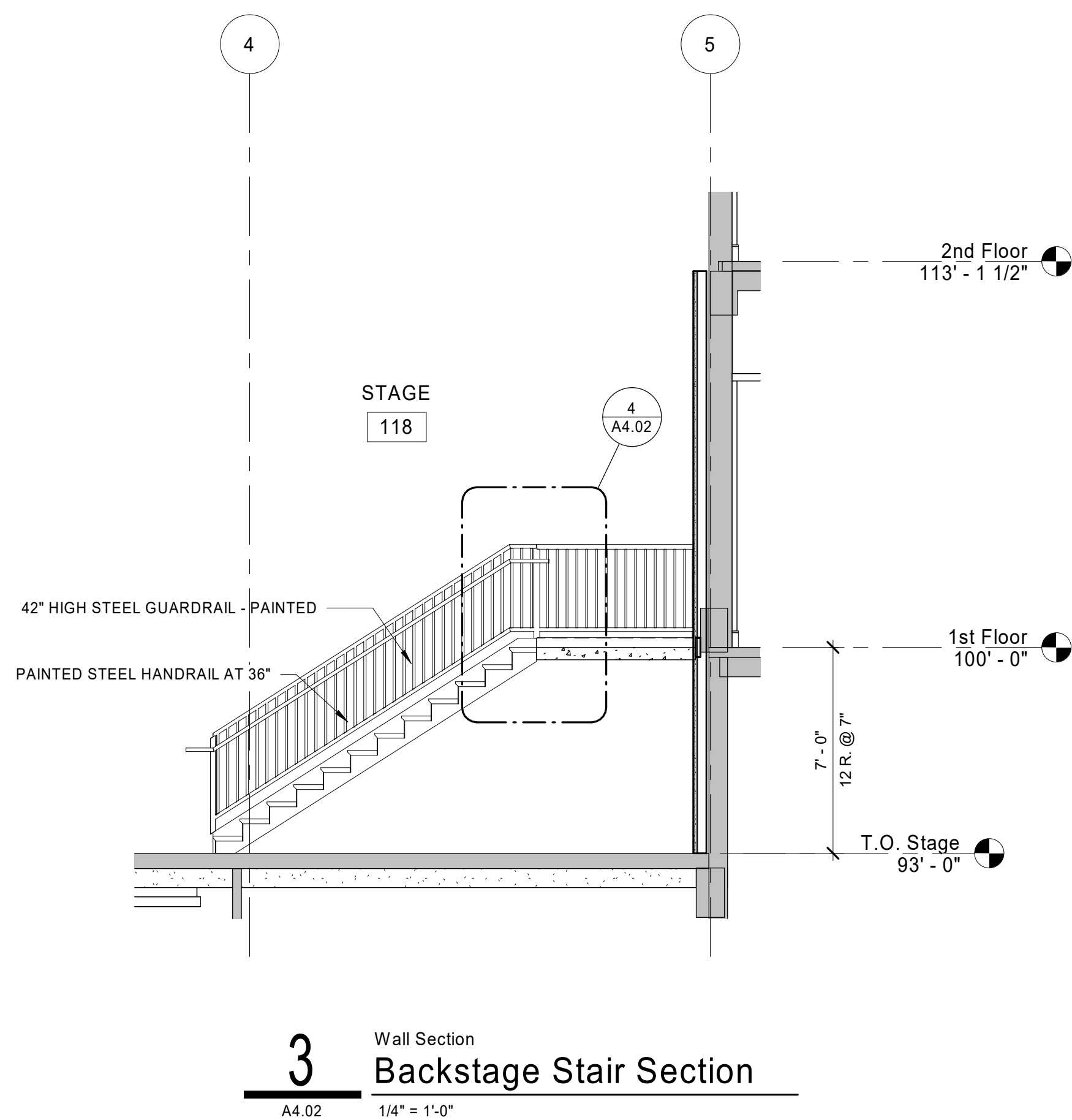
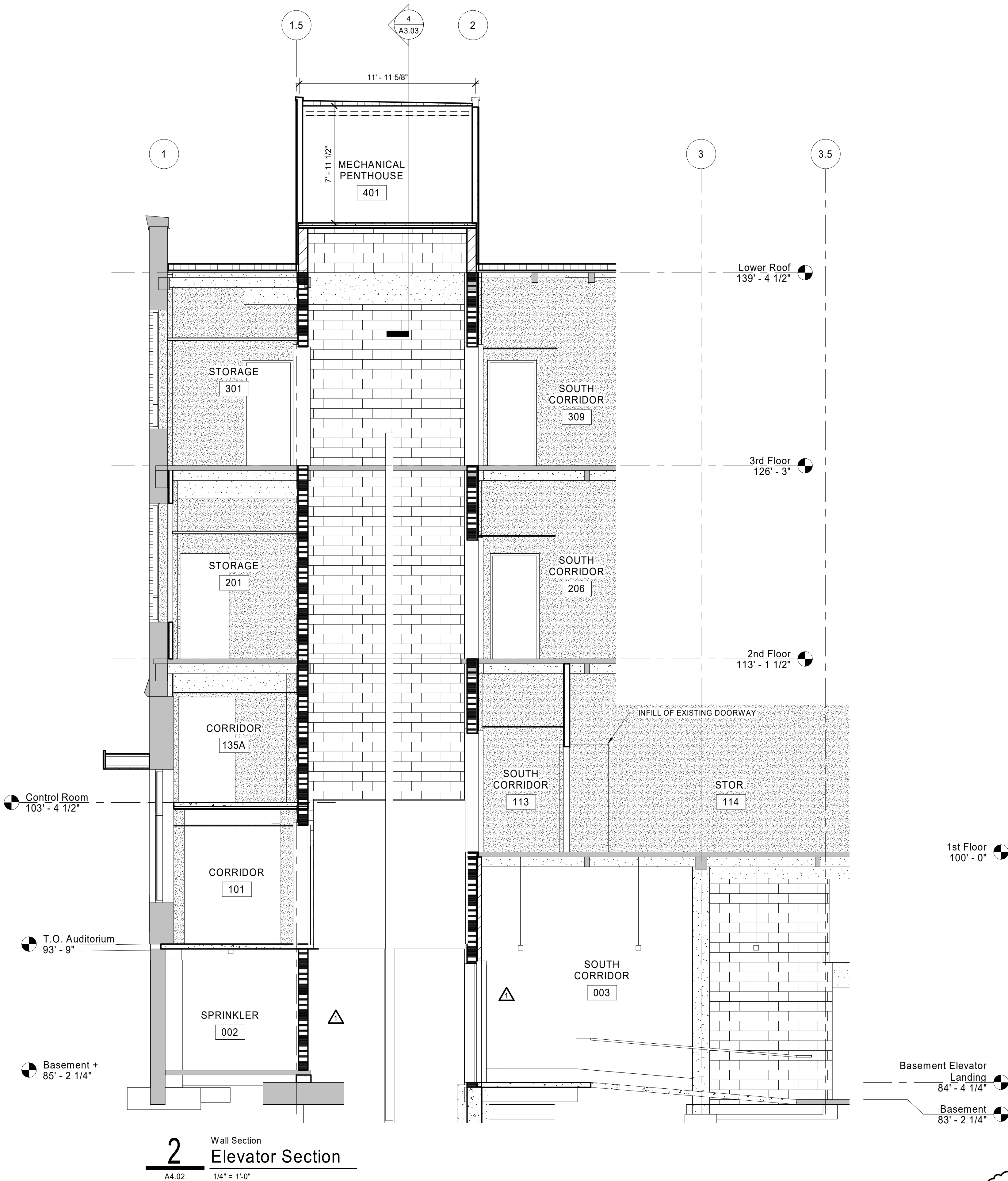
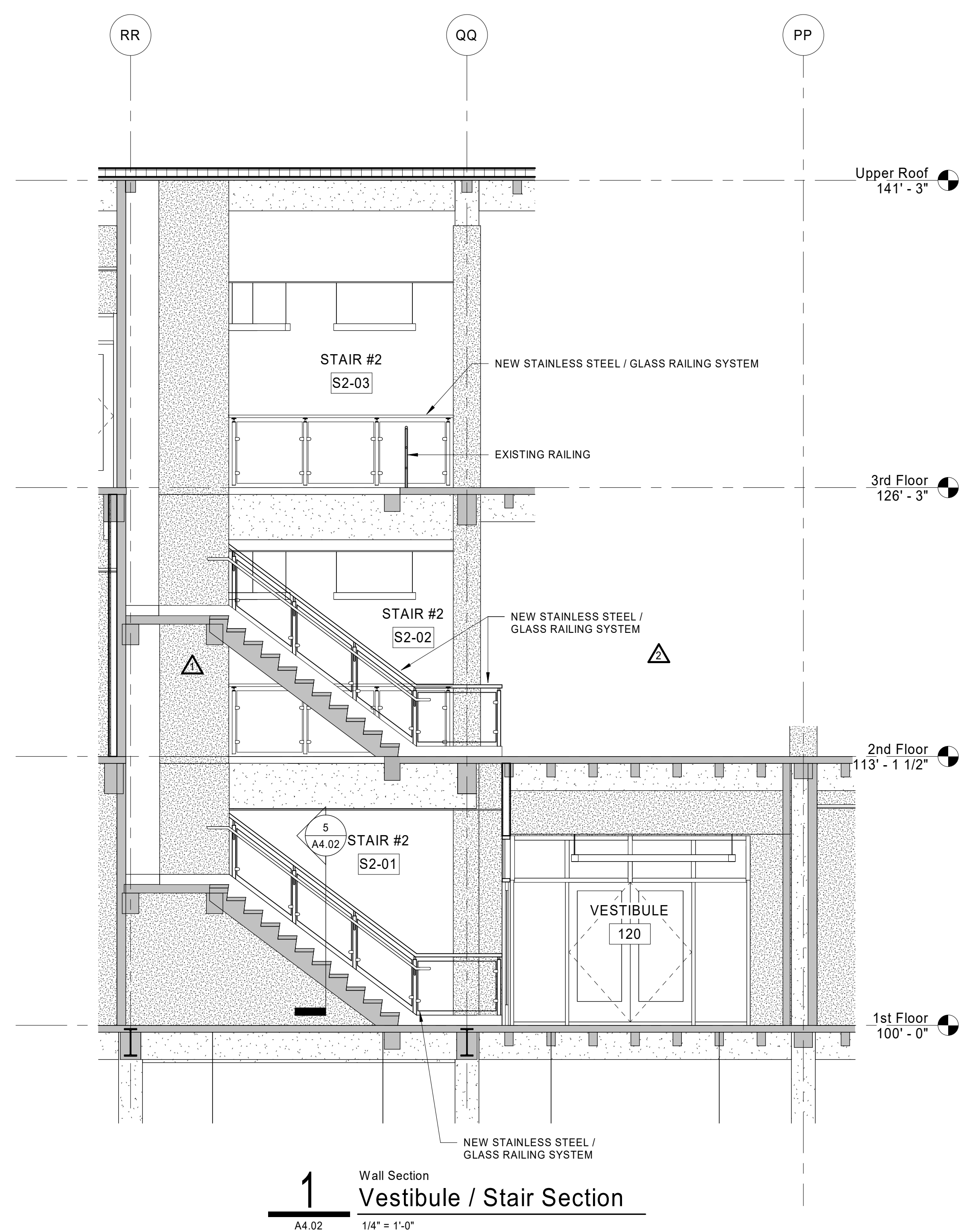
Terre Haute, Indiana 47809

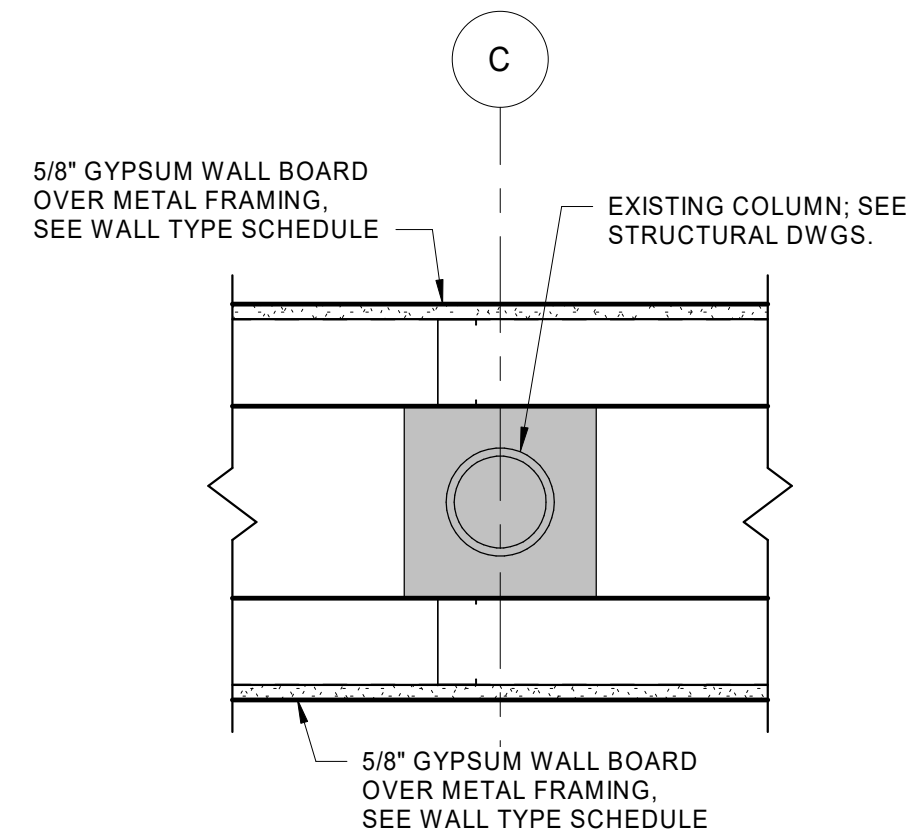
Project No.: 19A052
Drawn By: J. Starneri
Checked By: Checker
Scale: As Noted
Issue Date: June 26, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
1	Addendum #1	6/12/2020
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020

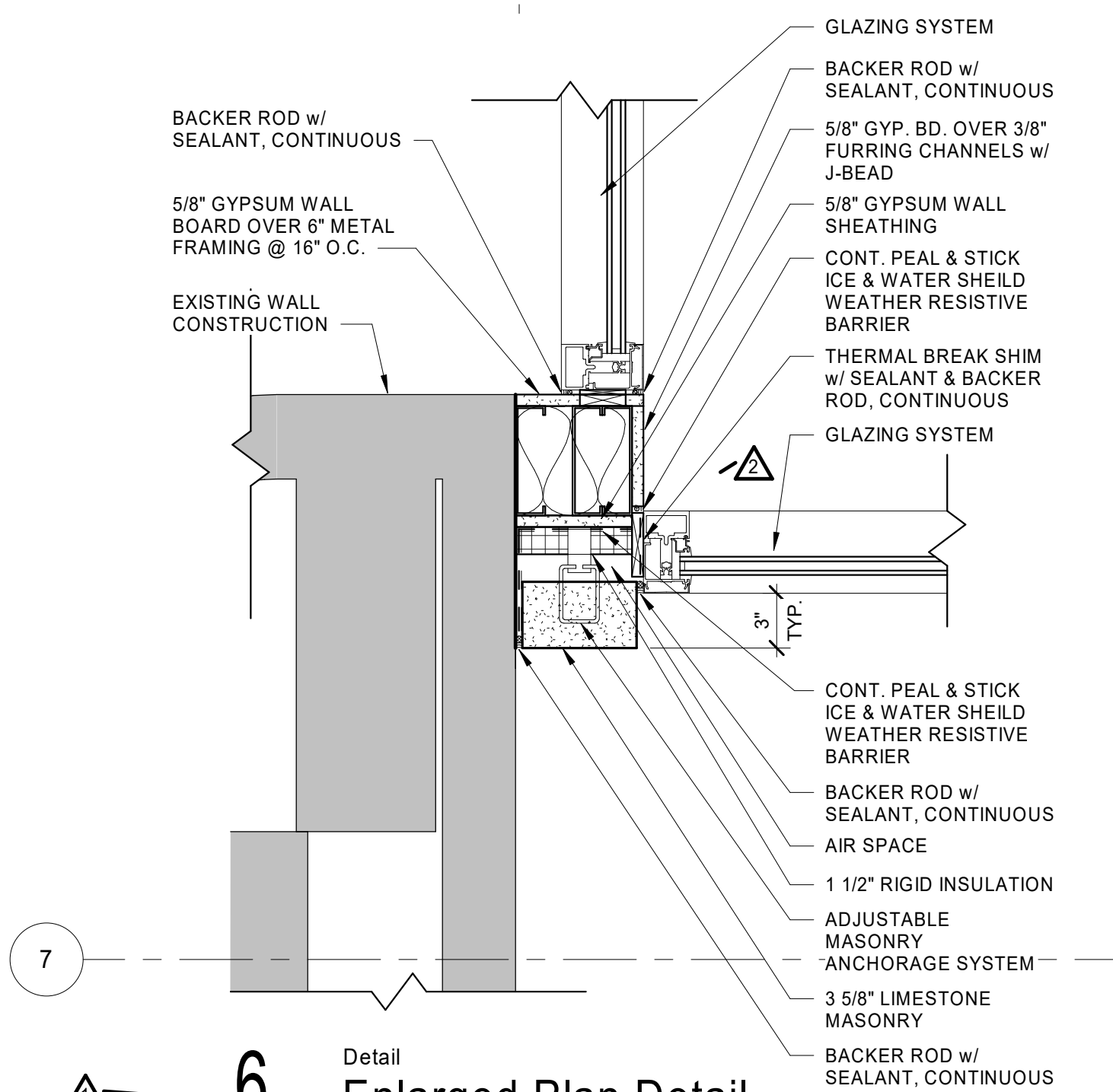
Vertical Circulation Sections
and Details

A4.02

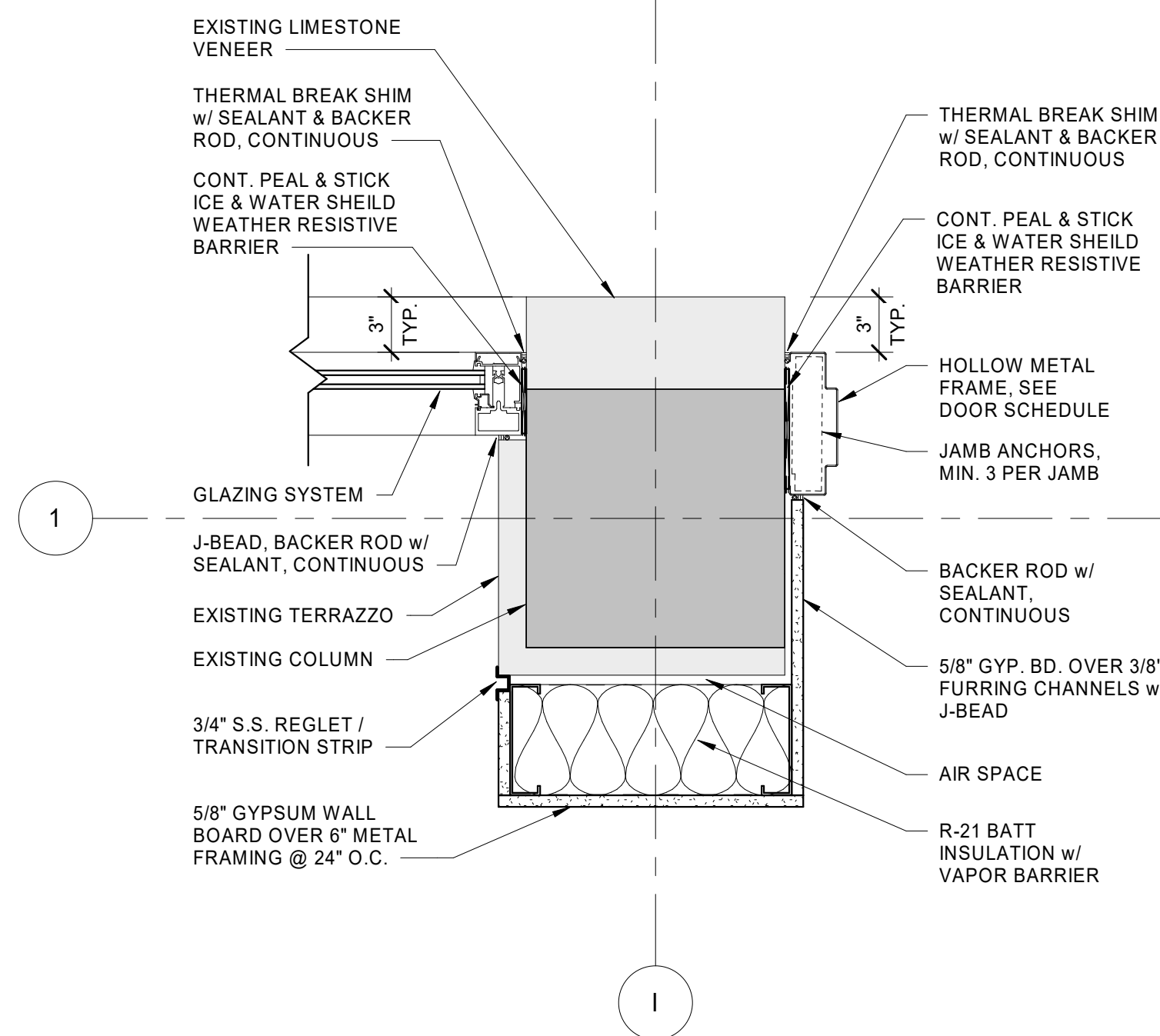




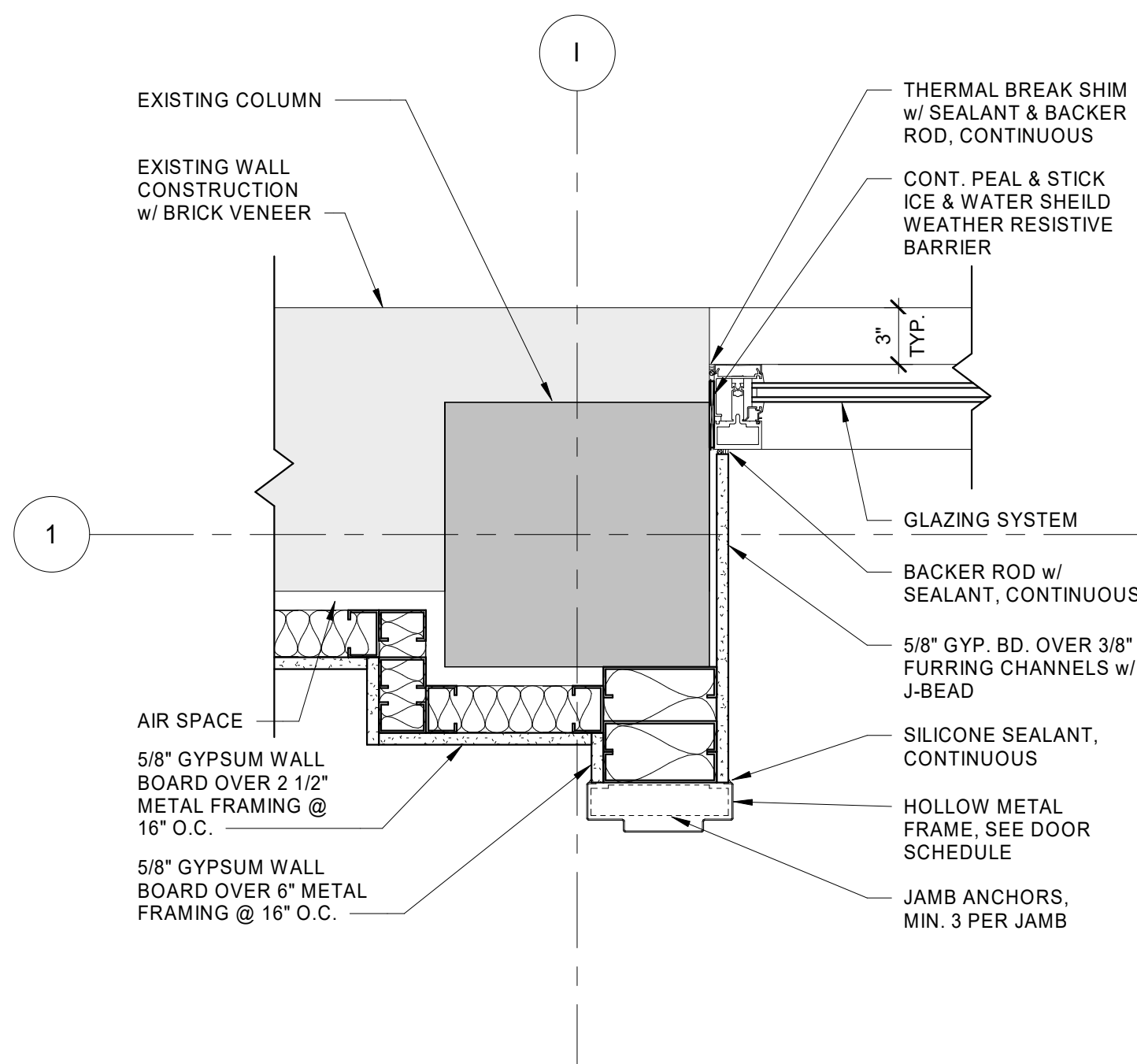
9 Floor Plan
Detail
Enlarged Plan Detail
A6.01 1 1/2" = 1'-0"



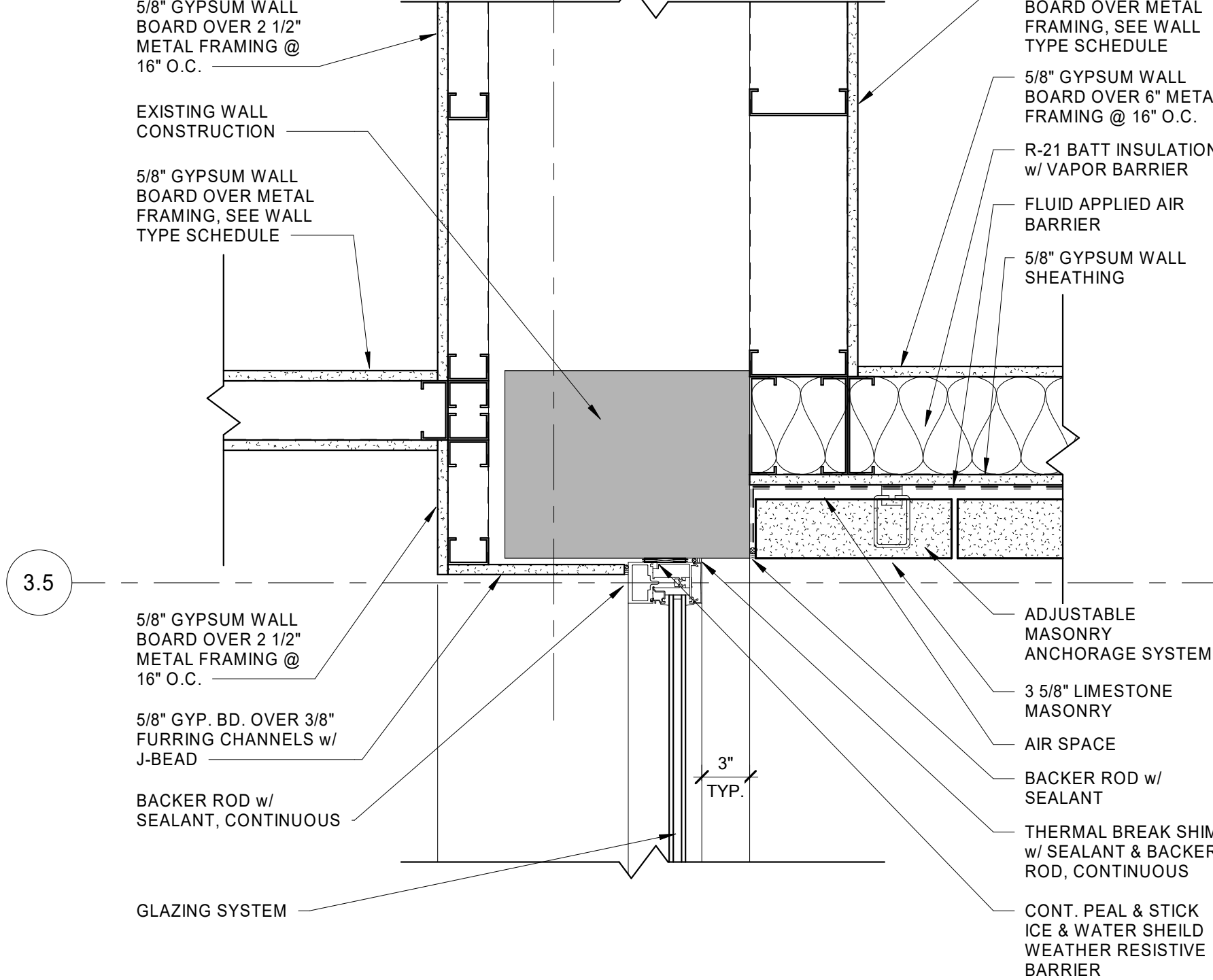
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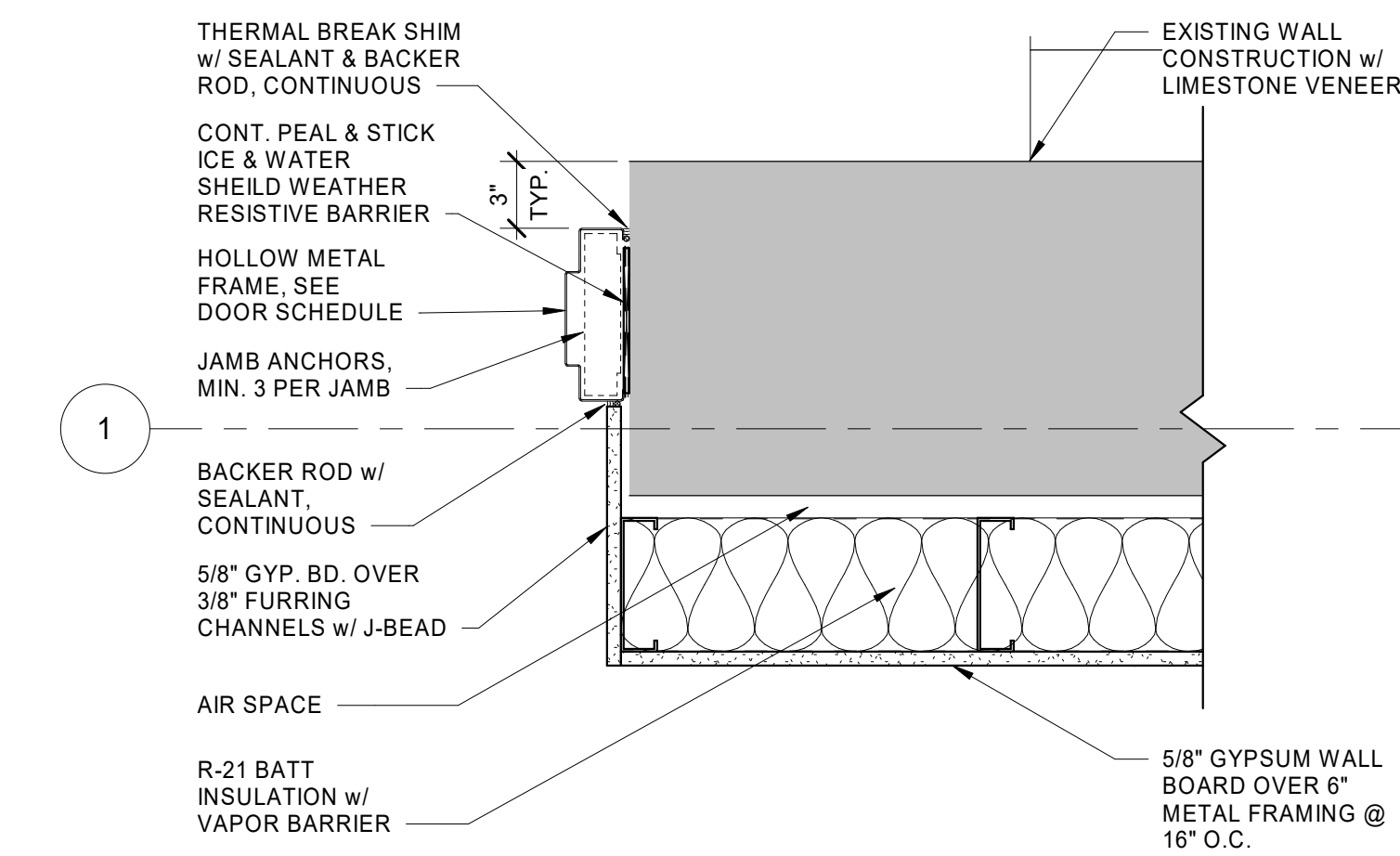
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A6.01 1 1/2" = 1'-0"



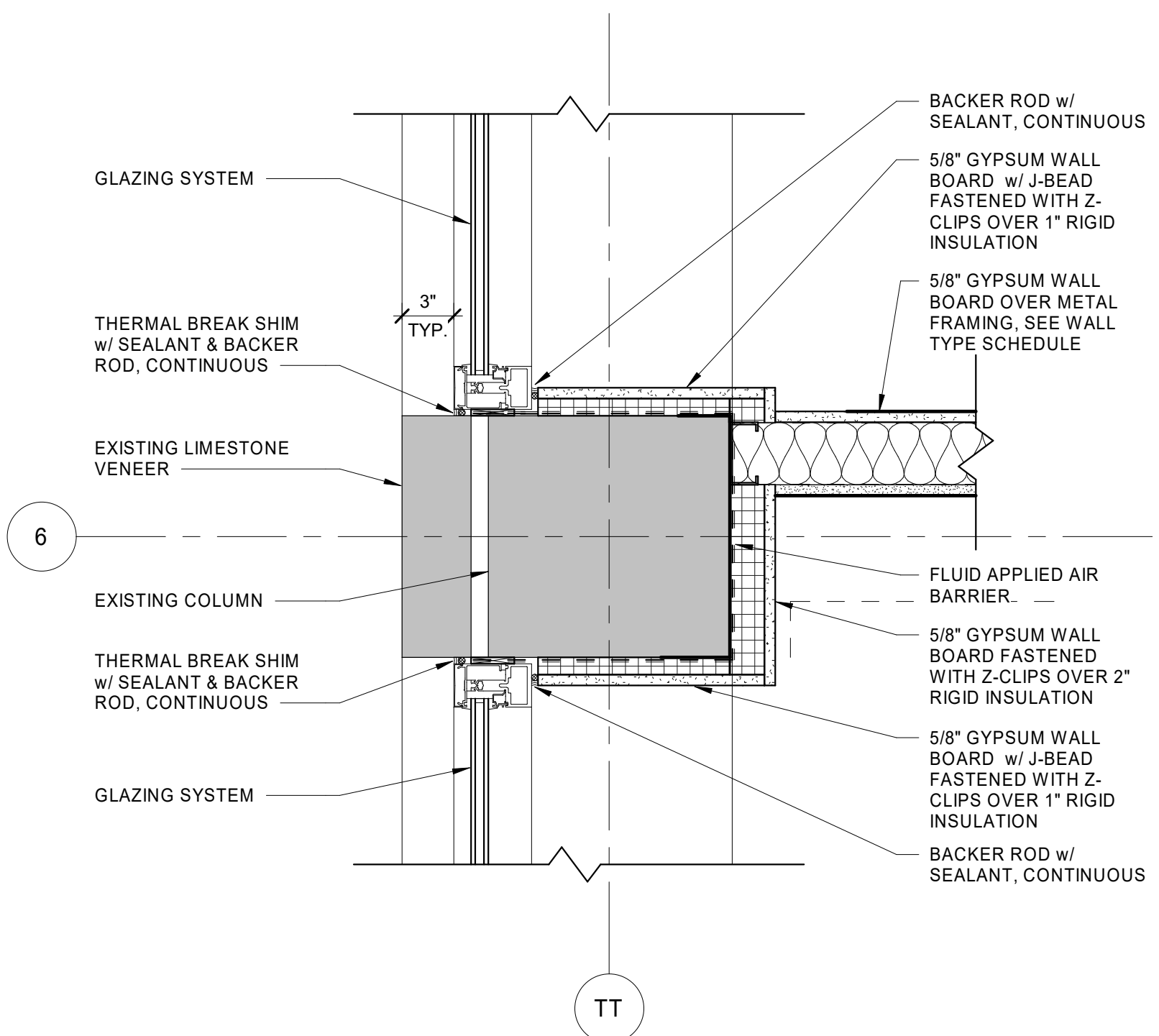
8 Detail
Enlarged Plan Detail
A6.01 1 1/2" = 1'-0"



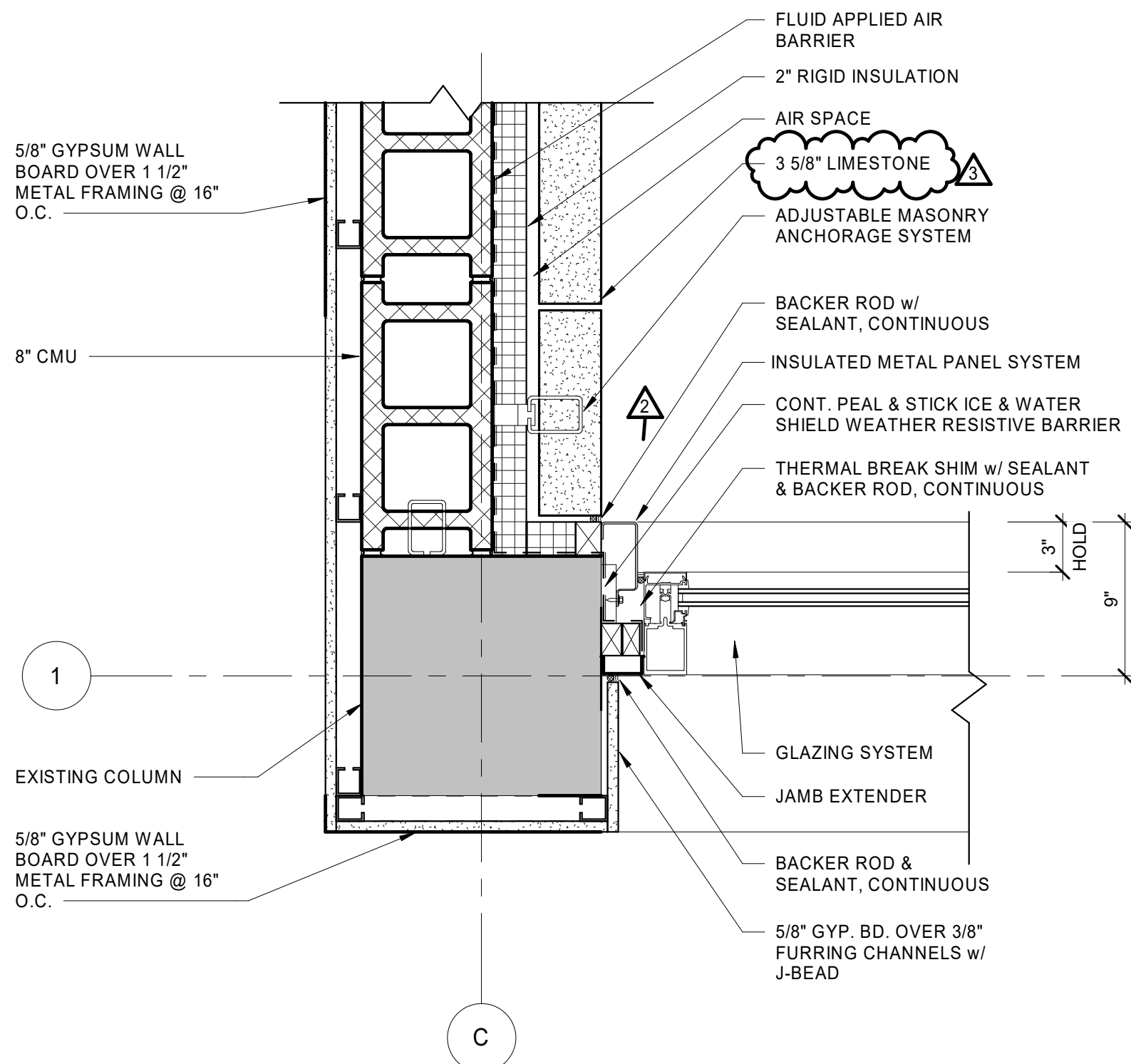
5 Detail
Enlarged Plan Detail
A6.01 1 1/2" = 1'-0"



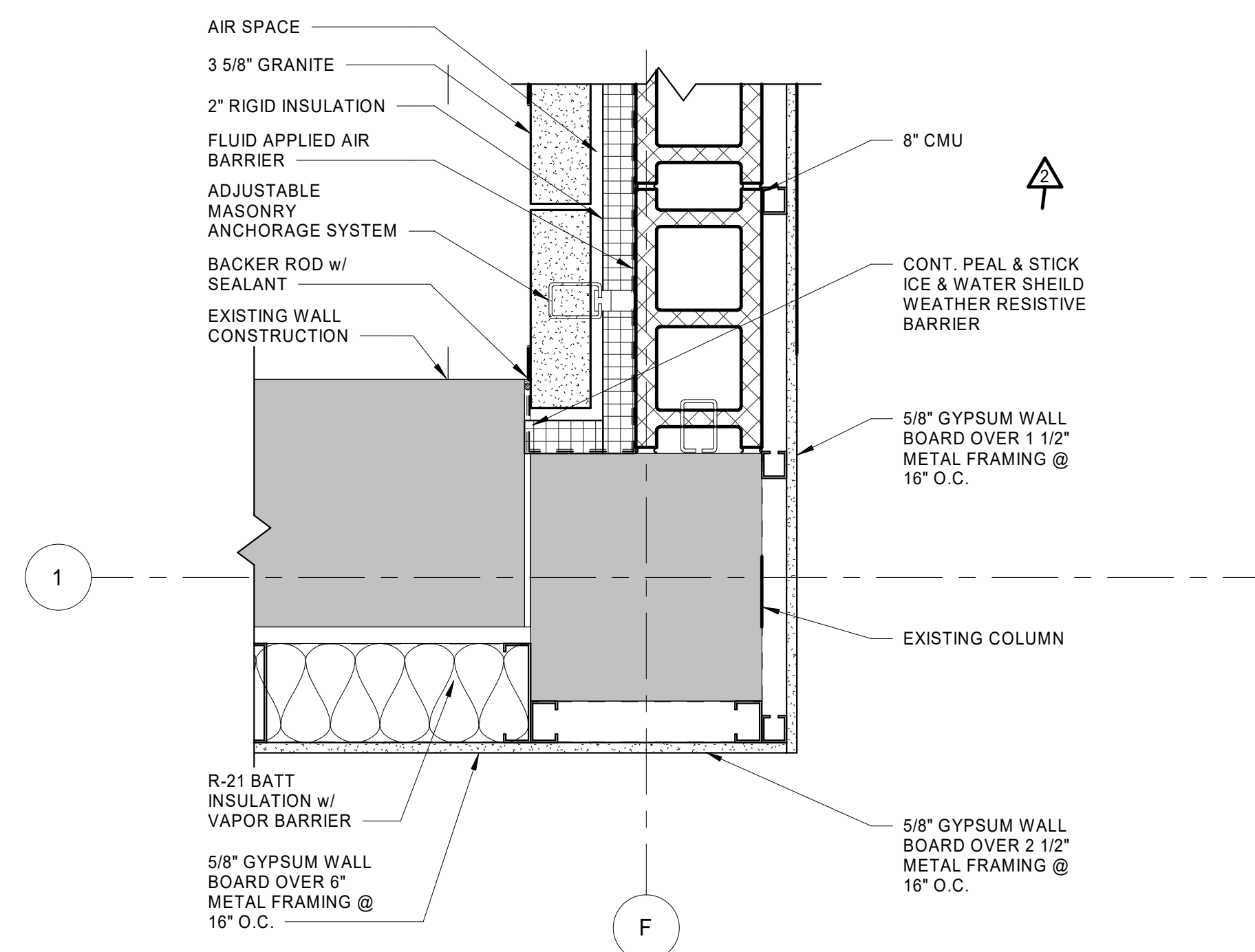
2 Detail
Enlarged Plan Detail
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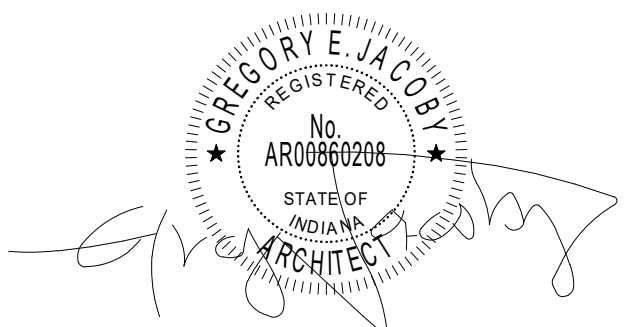
7 Detail
Enlarged Plan Detail
A6.01 1 1/2" = 1'-0"



4 Detail
Enlarged Plan Detail
A6.01 1 1/2" = 1'-0"



1 Detail
Enlarged Plan Detail
A6.01 1 1/2" = 1'-0"



CERTIFICATION

Construction Documents
Addendum #3

Indiana State University -
Dreiser Hall Renovation

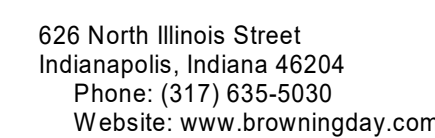
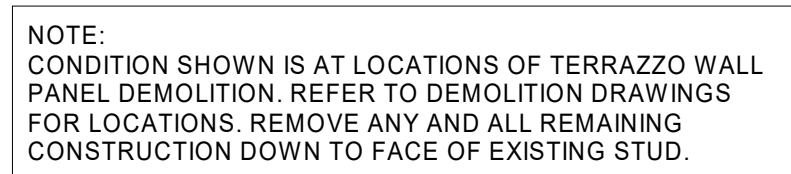
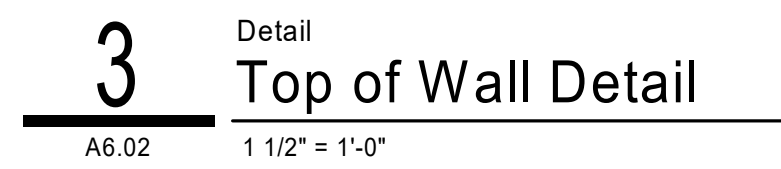
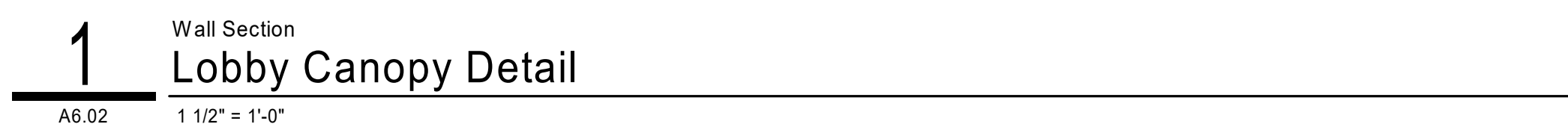
Terre Haute, Indiana 47809

Project No.: 19A052
Drawn By: J. Starneri
Checked By: Checker
Scale: As Noted
Issue Date: June 26, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
1	Addendum #1	6/12/2020
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020

Details

A6.01



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Construction Documents
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Indiana State University -
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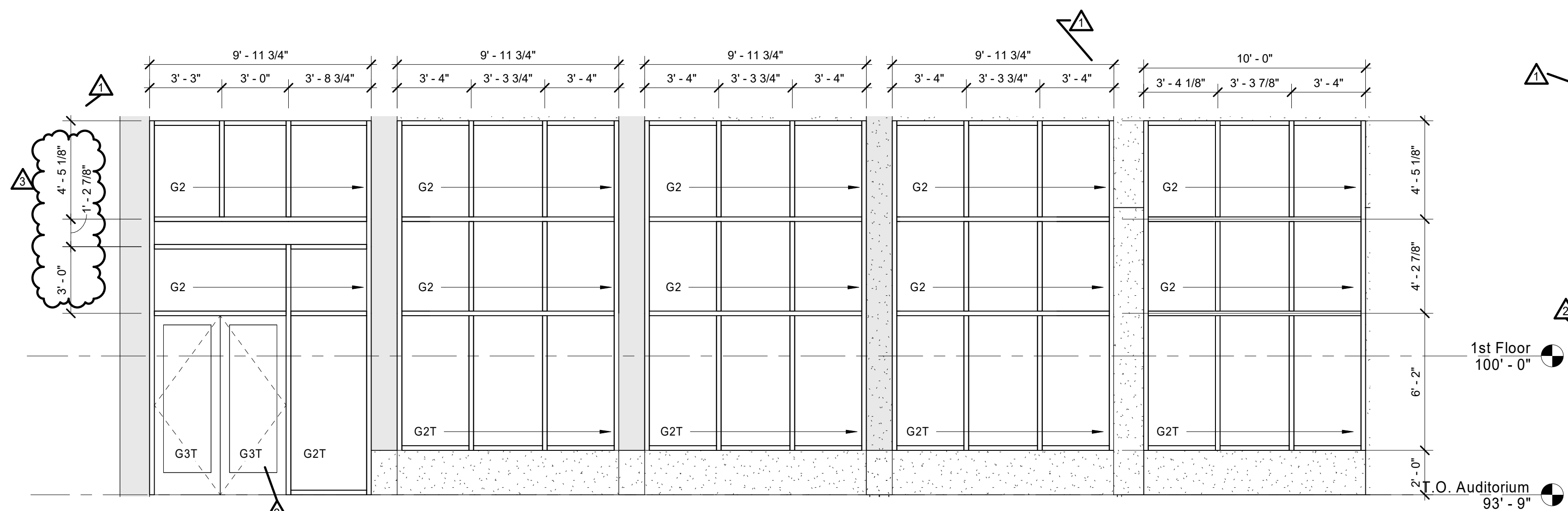
Terre Haute, Indiana 47809

Project No.: 19A052
 Drawn By: JPS
 Checked By: J. Young
 Scale: As Noted
 Issue Date: June 26, 2021

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	Addendum #3	6/26/2020

Details

A6.02



GENERAL STOREFRONT AND CURTAINWALL NOTES		
1.	EXTERIOR FRAME SYSTEMS ARE TO BE THERMALLY BROKEN.	
2.	INTERIOR FRAME SYSTEMS NEED NOT BE THERMALLY BROKEN	
3.	STOREFRONT SYSTEM MULLION PROFILE IS 2" X 4 1/2" UNLESS NOTED OTHERWISE	
4.	CURTAIN WALL SYSTEM MULLION PROFILE IS 2 1/2" X 6" (MINIMUM) UNLESS NOTED OTHERWISE.	
5.	ARCHITECT TO APPROVE GLASS SAMPLES PRIOR TO FABRICATION.	
6.	WINDOW MULLIONS ARE TO BE CLEAR ANNOZIDED FINISH UNLESS NOTED OTHERWISE. ARCHITECT TO APPROVE FINISH SAMPLES PRIOR TO FABRICATION.	
7.	WINDOW CONTRACTOR IS TO FIELD VERIFY EACH AS-BUILT R.O. DIMENSION OF EXISTING PRIOR TO FABRICATION.	
8.	AT EXISTING OPENINGS TO RECEIVE NEW FRAME SYSTEM, WINDOW CONTRACTOR TO VERIFY INTEGRITY OF EXISTING MATERIALS PRIOR TO INSTALLATION.	
9.	WINDOW CAULK JOINT AT ROUGH OPENING NOT TO EXCEED 1/2".	

GLASS SCHEDULE		
G1	1/4" CLEAR GLASS	1 2
G2	1" INSULATED CLEAR GLASS WITH LOW-E ON #2 SURFACE	E 1 2 3 4
G3	ALUMINUM FRAMED DOORS CLEAR LAMINATED GLASS WITH LOW-E.	E 1 2 3 4
S1	1" INSULATED SPANDREL GLASS. PROVIDE LIGHT GREY COATING ON #4 SURFACE	E 1 2 3 4
LG1	1/4" CLEAR LAMINATED GLASS WITH INTERLAYER -- SEE SPECIFICATIONS	E 1 2 3 4
THE SUFFIX (T) DENOTES THAT THE INDICATED DAYLIGHT OPENING IS TO BE MANUFACTURED WITH TEMPERED GLAZING		

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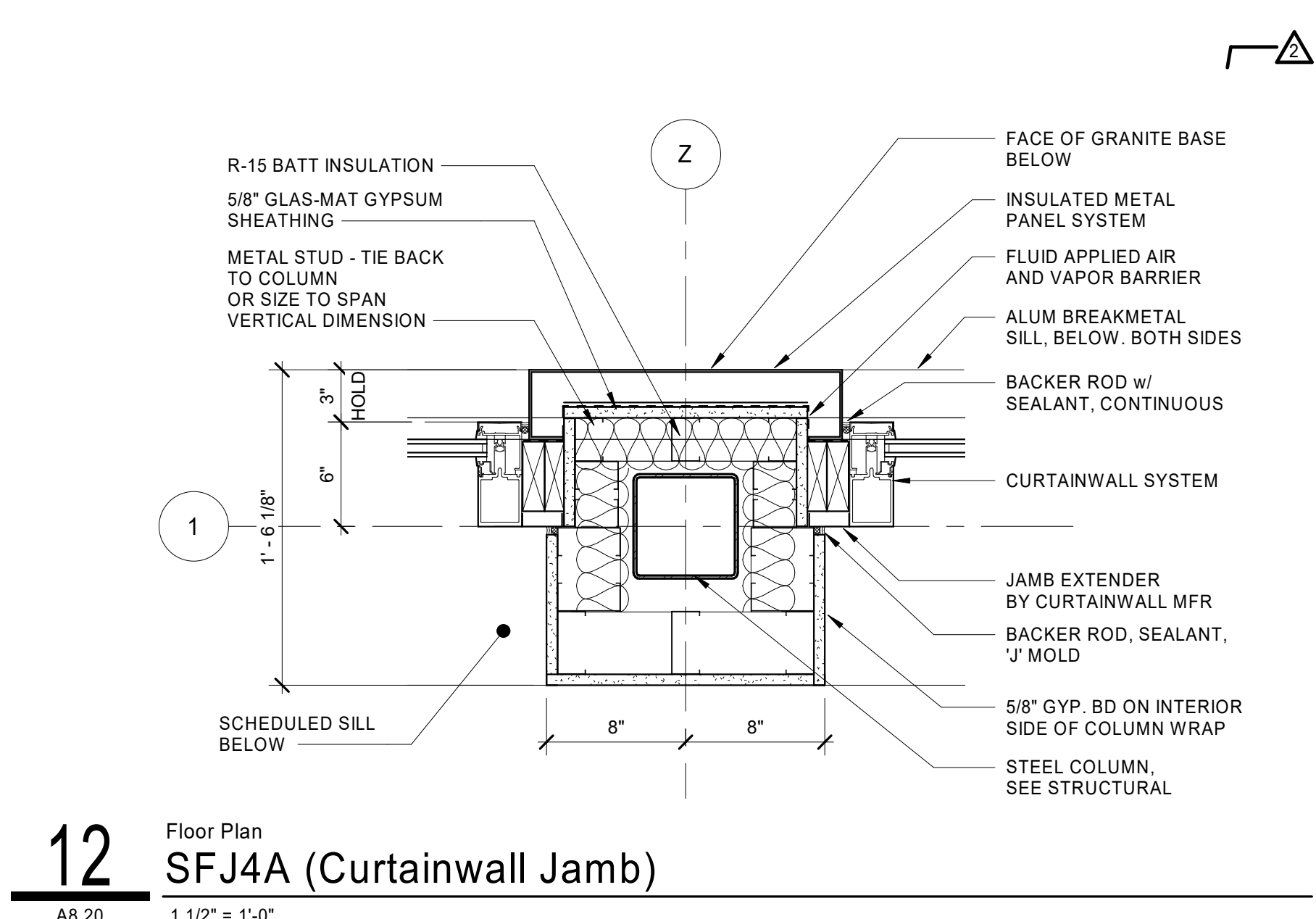
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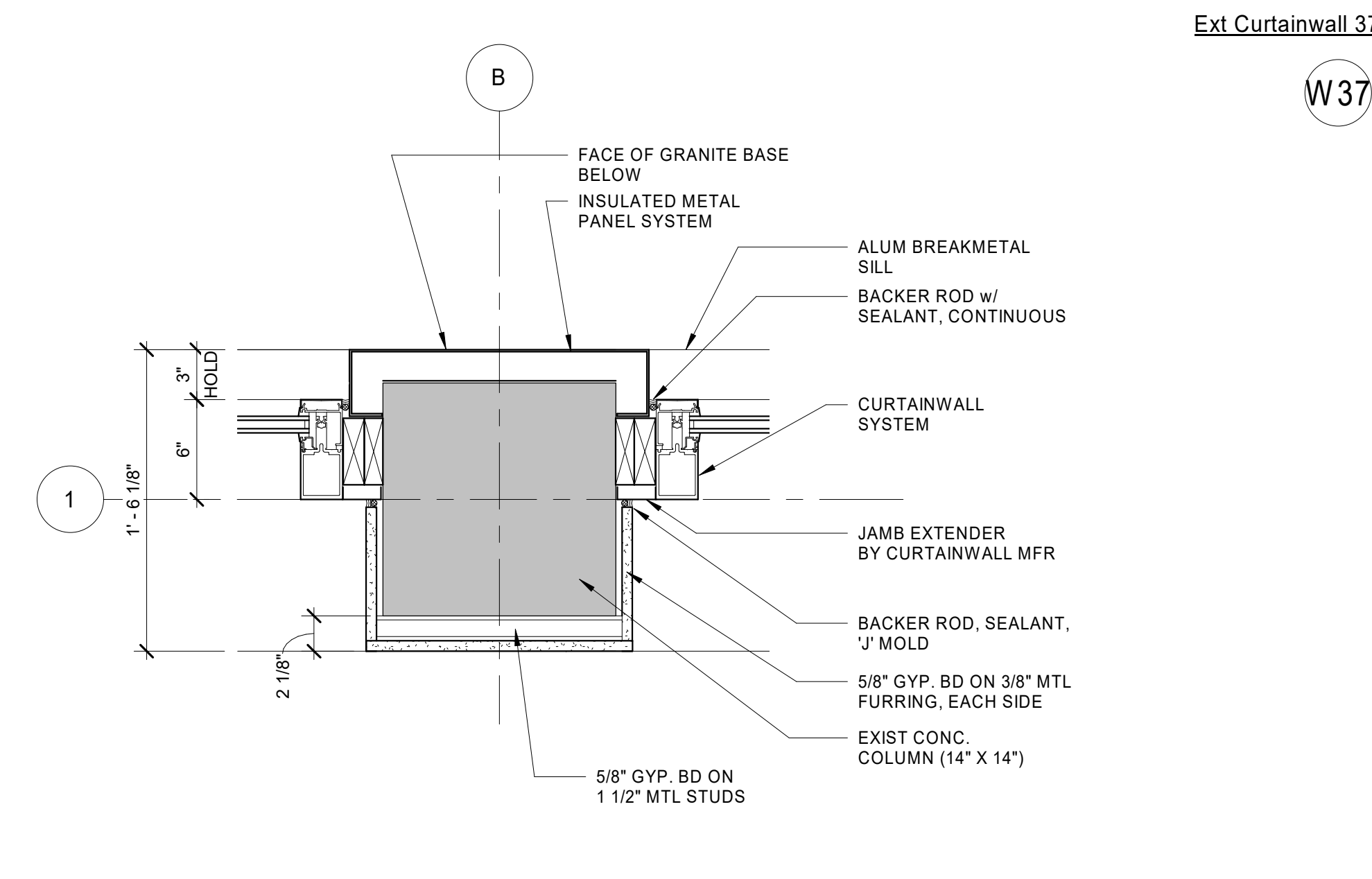
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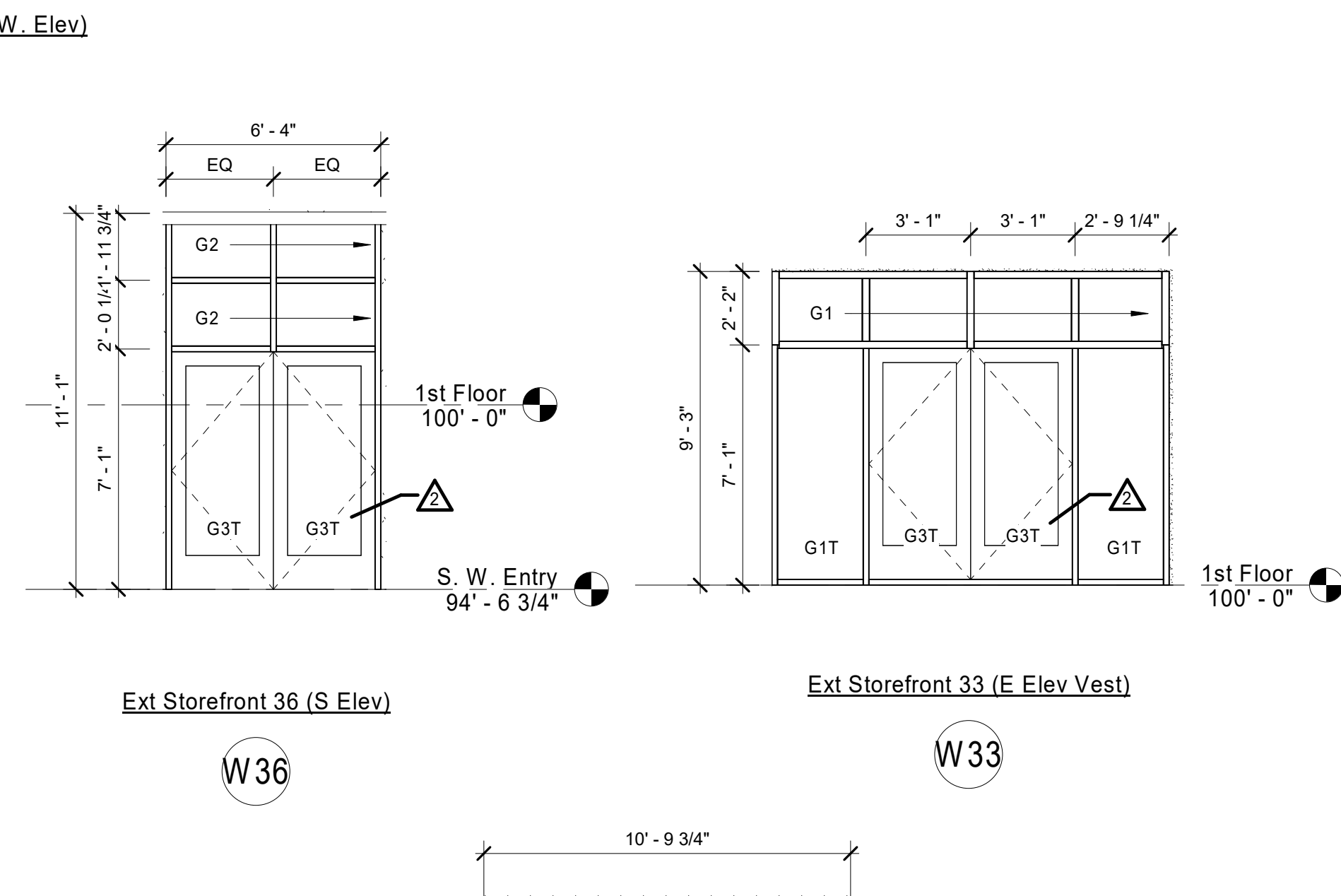
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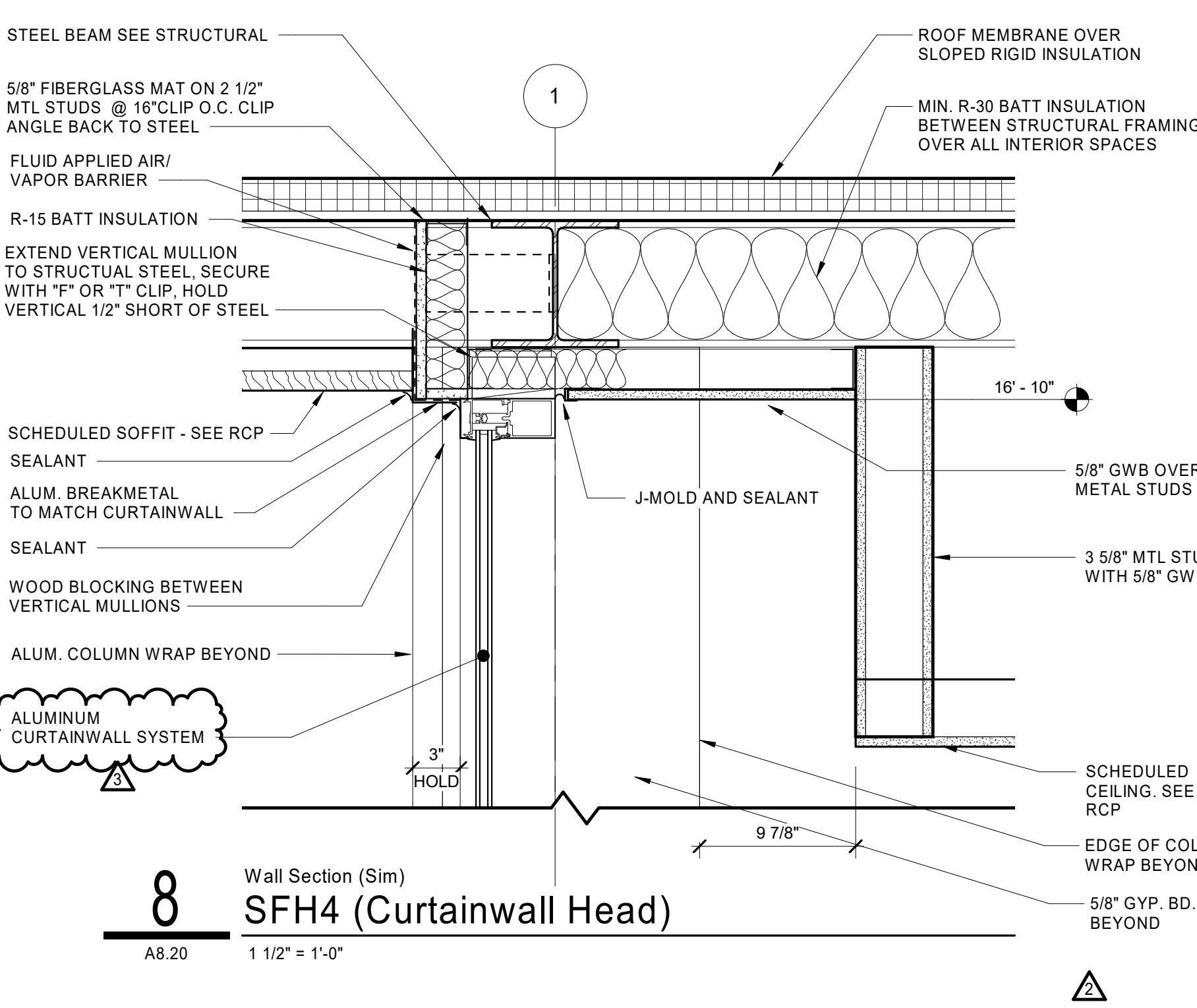
12 Floor Plan
SFJ4A (Curtainwall Jamb)
A8.20 1 1/2" = 1'-0"



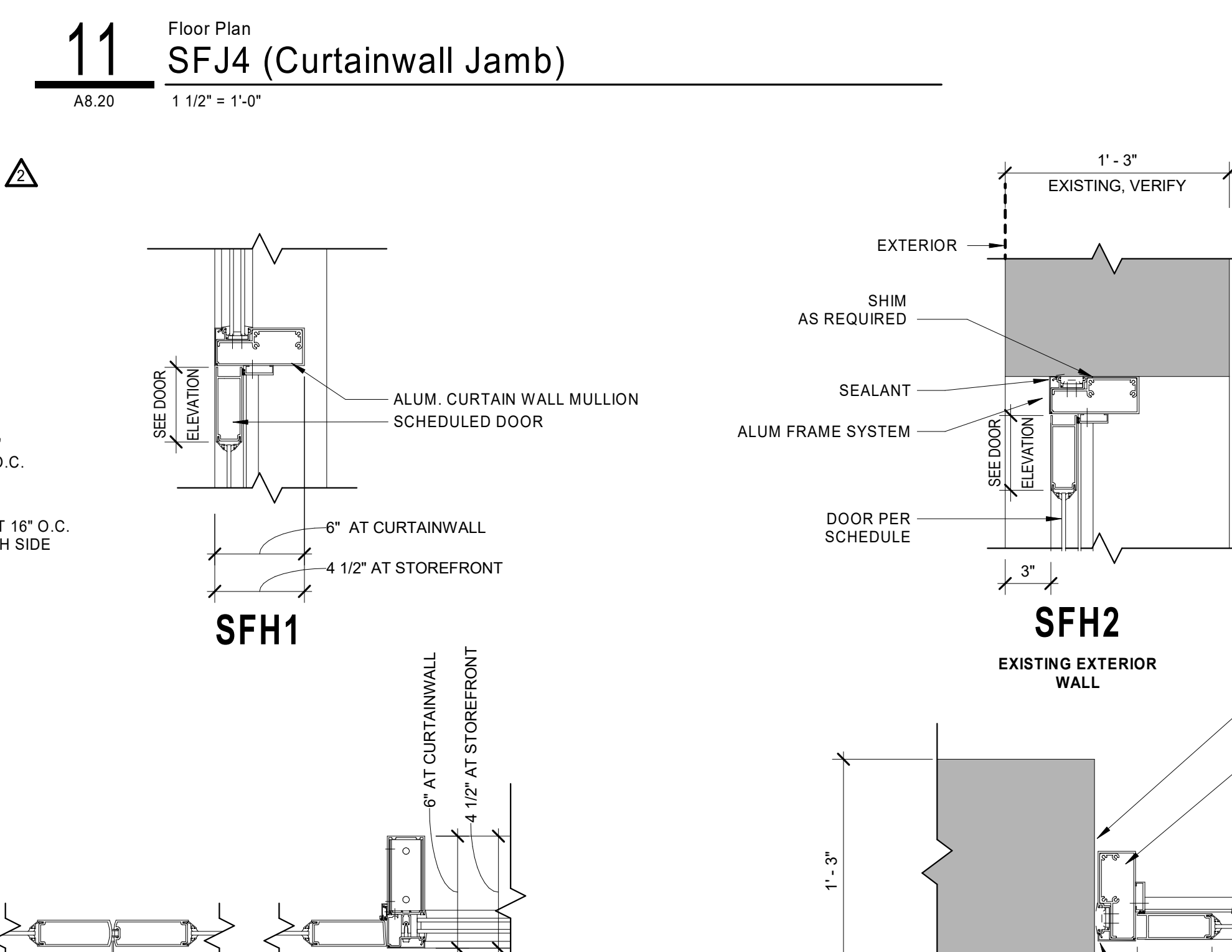
11 Floor Plan
SFJ4 (Curtainwall Jamb)
A8.20 1 1/2" = 1'-0"



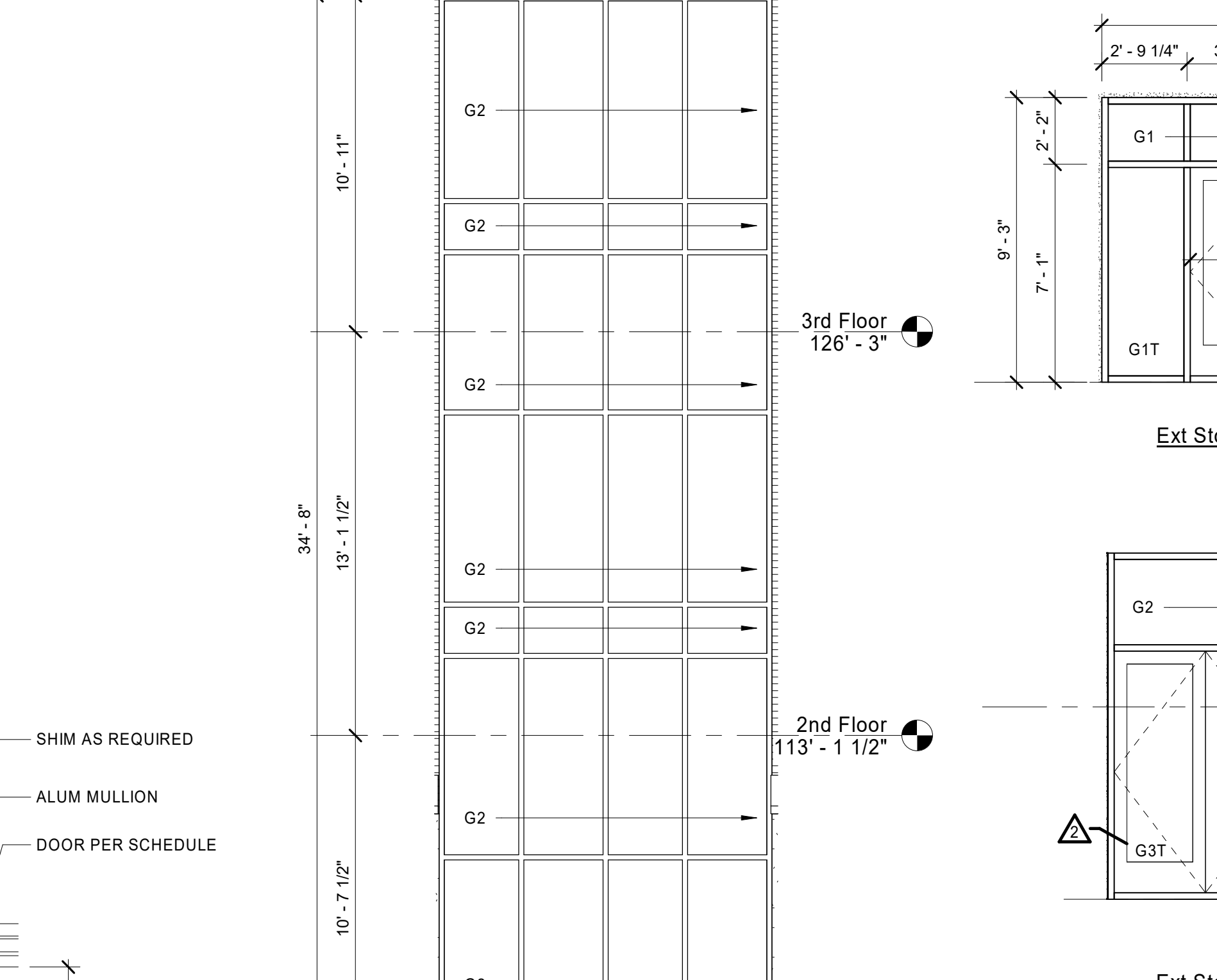
Ext Storefront 36 (S Elev)
Ext Storefront 33 (E Elev Vest)



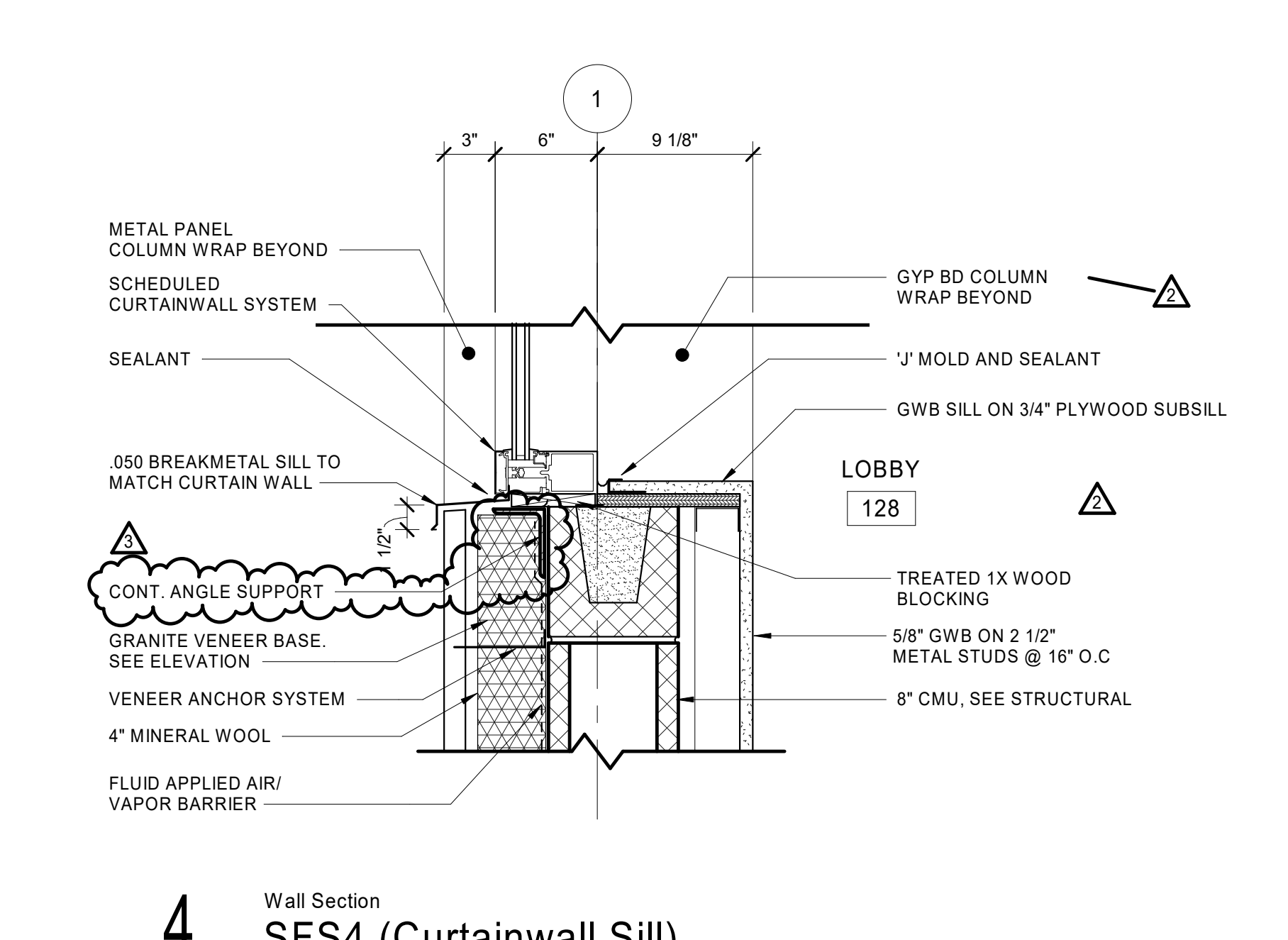
8 Wall Section (Sim)
SFH4 (Curtainwall Head)
A8.20 1 1/2" = 1'-0"



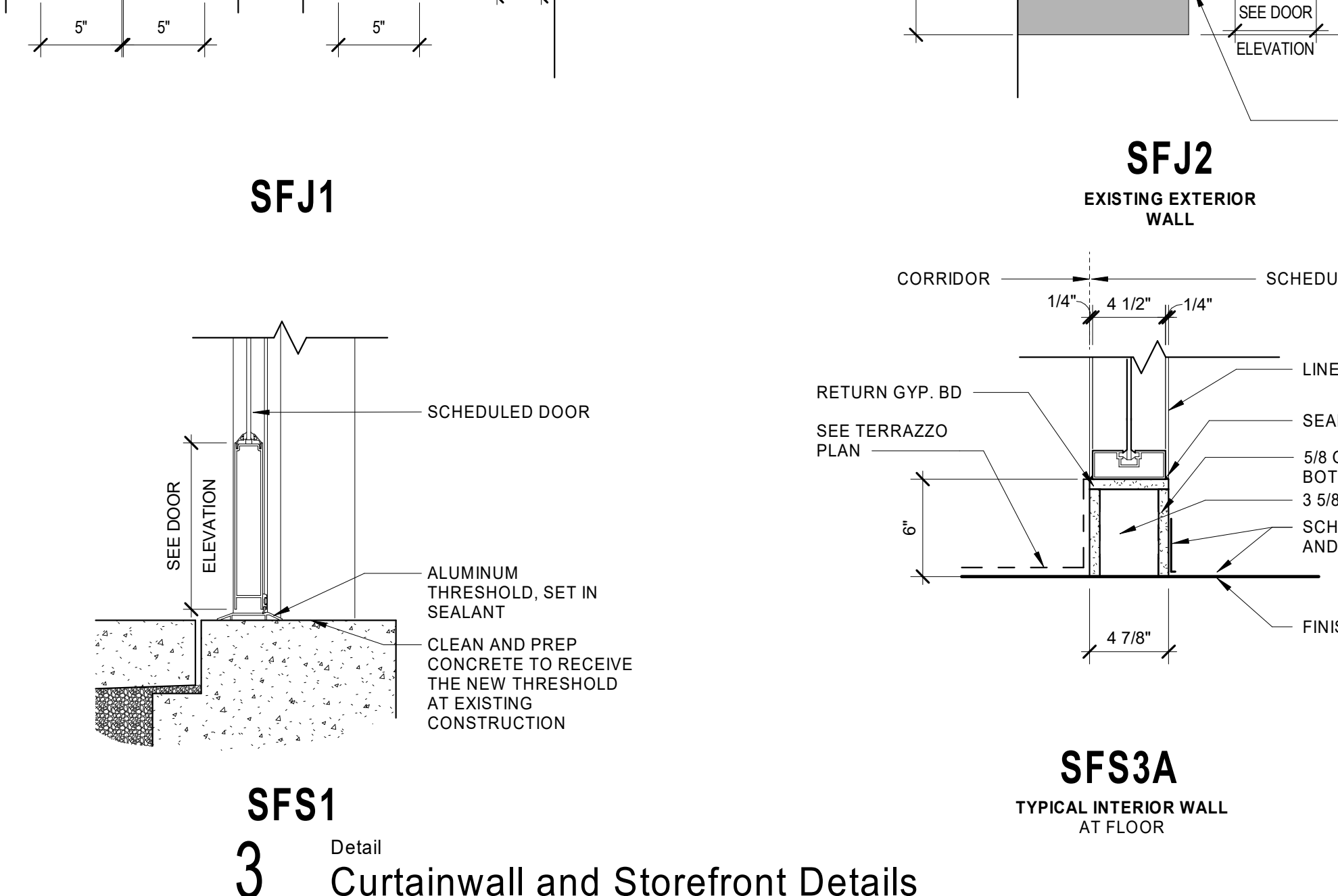
SFH1
SFH2



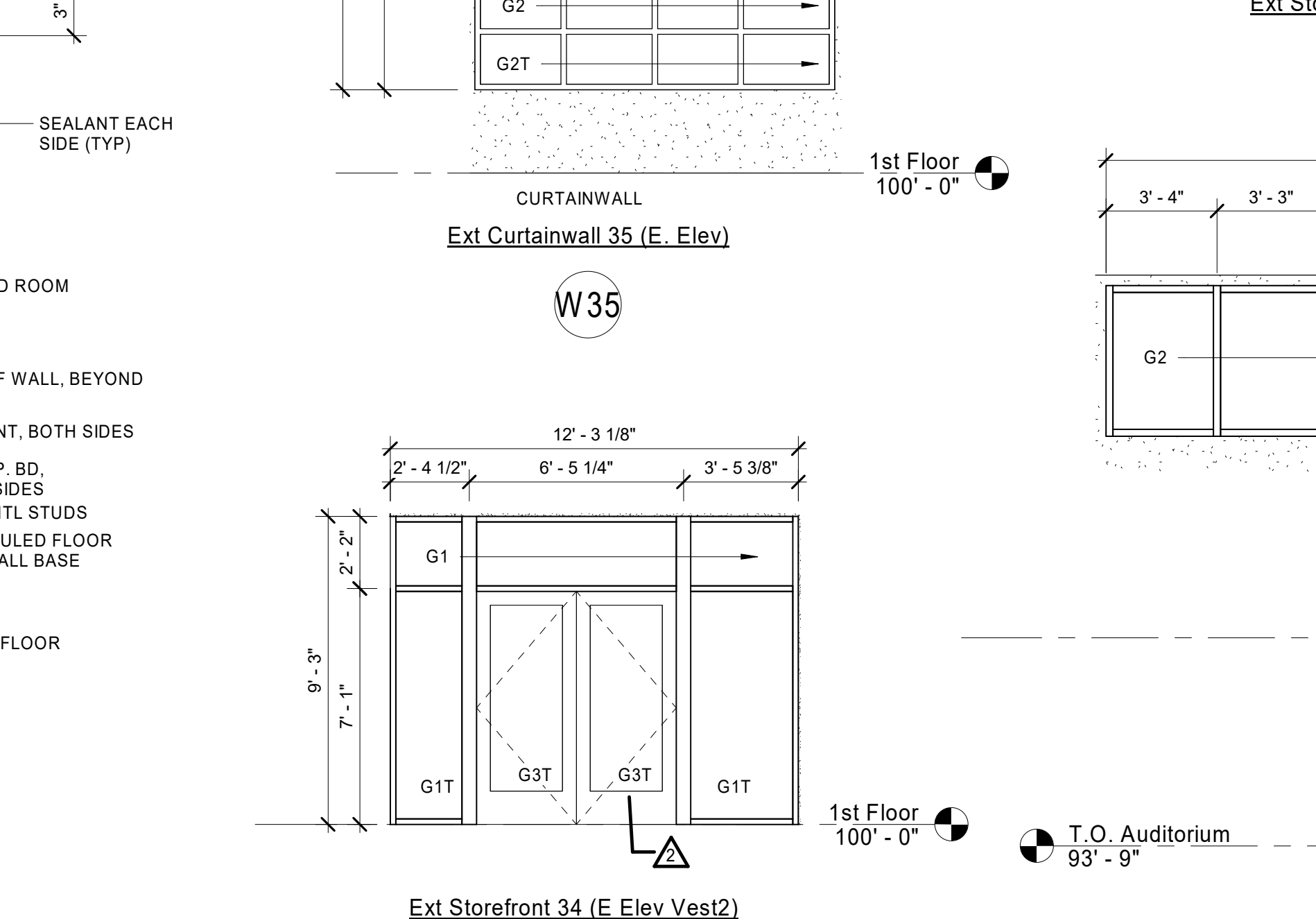
Ext Storefront 32 (E Elev)
Ext Storefront 31 (N Elev)



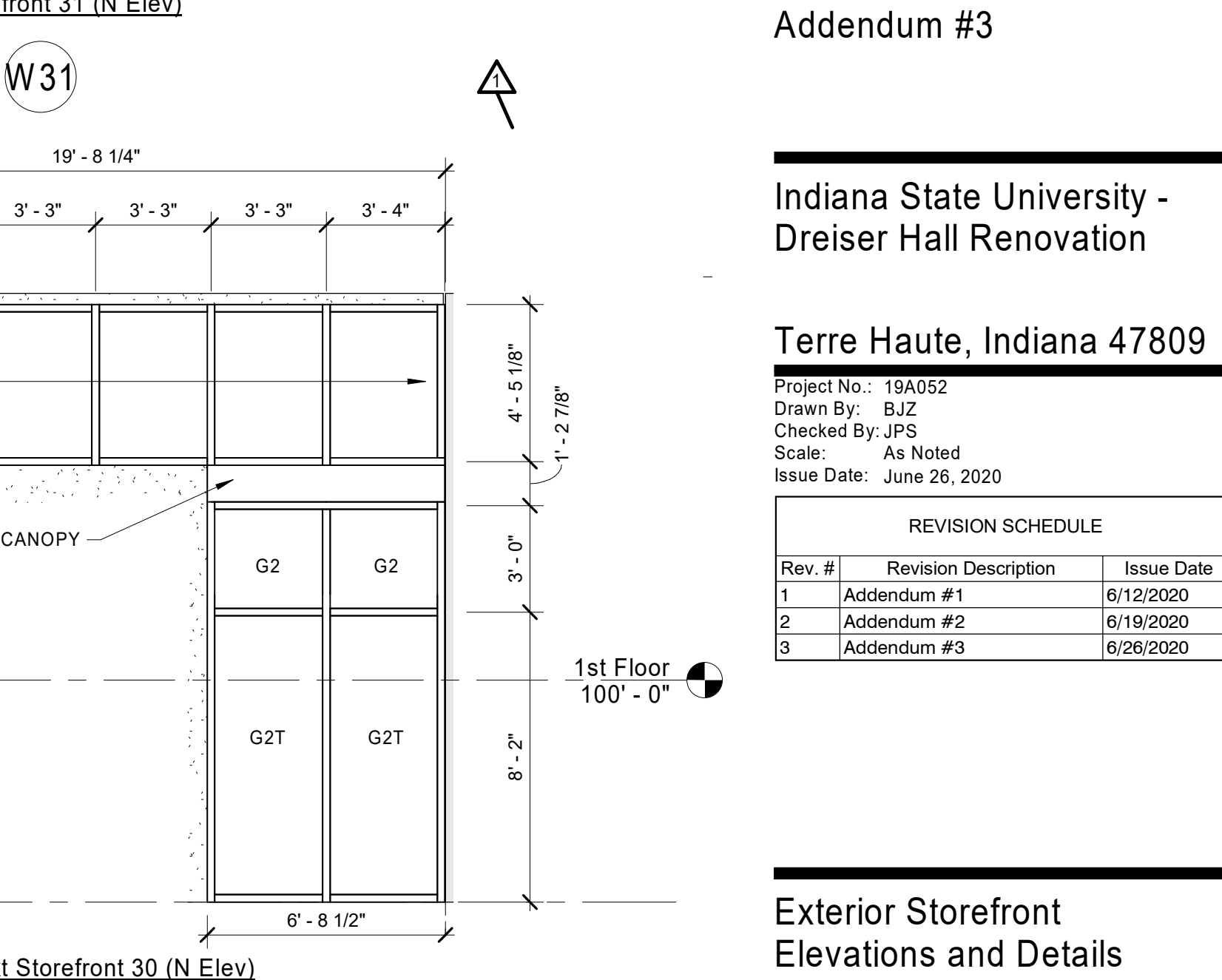
4 Wall Section
SFS4 (Curtainwall Sill)
A8.20 1 1/2" = 1'-0"



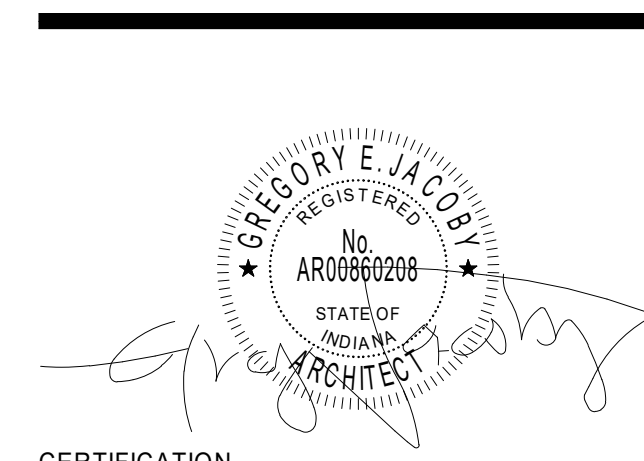
SFJ1
SFS3A



Ext Storefront 35 (E Elev)
Ext Storefront 34 (E Elev Vest2)



Ext Storefront 30 (N Elev)
Ext Storefront 30 (N Elev)



CERTIFICATION

Construction Documents
Addendum #3

Indiana State University -
Dreiser Hall Renovation

Terre Haute, Indiana 47809

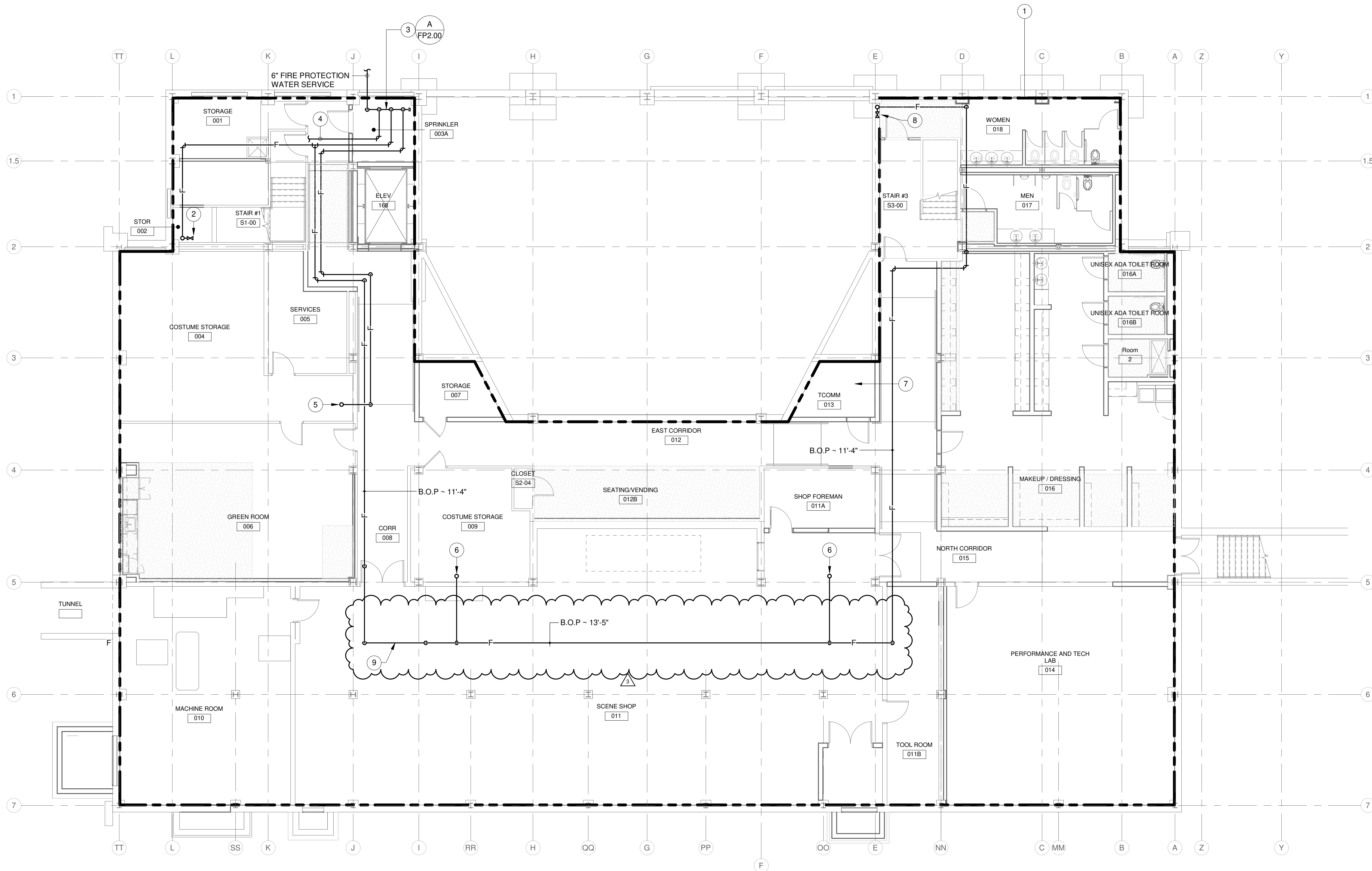
Project No.: 19A052
Drawn By: BJZ
Checked By: JPS
Scale: As Noted
Issue Date: June 26, 2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
1	Addendum #1	6/12/2020
2	Addendum #2	6/19/2020
3	Addendum #3	6/26/2020

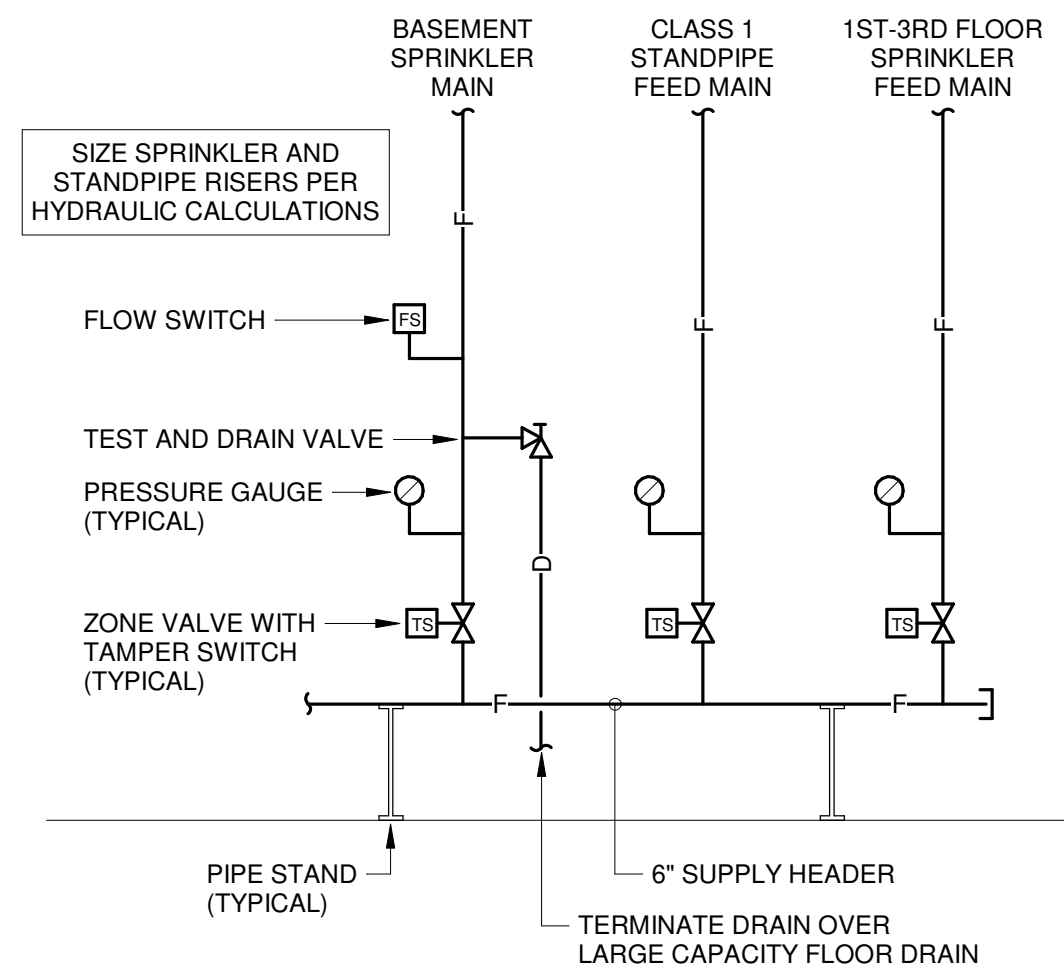
Exterior Storefront
Elevations and Details
A8.20

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BASEMENT PLAN - FIRE PROTECTION
SCALE: 1/8" = 1'-0"
NORTH



A SPRINKLER RISER
SCALE: NONE

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- THESE NOTES APPLY TO ALL "FP" SERIES DRAWINGS.
- SEE "PM" SERIES DRAWINGS FOR SYMBOLS, ABBREVIATIONS, AND ADDITIONAL GENERAL NOTES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CORE DRILLING AND CUTTING HOLES THRU WALLS AND FLOORS AS REQUIRED TO INSTALL WORK, WHETHER SHOWN OR NOT.
- ALL PENETRATIONS THRU RATED CONSTRUCTION TO BE FIRE STOPPED. REFER TO LIFE SAFETY PLANS.
- CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTACT ENGINEER WITH CONFLICTS OR DISCREPANCIES.
- SPRINKLER SYSTEMS SHALL BE HYDRAULICALLY CALCULATED, FULLY SUPERVISED, AND INSTALLED ACCORDING TO NFPA 13.
- CONTRACTOR SHALL OBTAIN FLOW TEST INFORMATION PRIOR TO DESIGN AND HYDRAULIC CALCULATION OF SPRINKLER SYSTEM.
- ALL SPRINKLER SYSTEM ITEMS REQUIRED BY CODE SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR WHETHER SHOWN ON THE DRAWINGS AND SPECIFICATIONS OR NOT.
- ALL FIRE PROTECTION SYSTEMS TO BE INSTALLED TO MEET THE REQUIREMENTS OF THE INDIANA FIRE CODE, 2014; THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD 13, 2010; THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD 14; AND INDIANA AMENDMENTS (675 IAC-28-1-5).
- PIPE ROUTINGS INDICATED ON DRAWINGS ARE DIAGRAMMATIC AND ARE A SUGGESTED METHOD FOR DESIGN. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION, LAYOUT, CODE COMPLIANCE, AND DESIGN.
- PROVIDE UPRIGHT SPRINKLER HEADS IN UNFINISHED SPACES (I.E. THOSE WITH EXPOSED STRUCTURE), CONCEALED HEADS IN FINISHED SPACES (I.E. THOSE WITH LAY-IN, DRYWALL, OR DECORATIVE CEILINGS), SIDEWALL HEADS WHERE IMPRACTICAL TO INSTALL CONCEALED OR UPRIGHT TYPE, OR AS INDICATED OTHERWISE ON THE DRAWINGS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION OF CEILING MOUNTED ITEMS.
- ALL NEW WORK IS DRAWN DARK. ALL WORK DRAWN LIGHT AND FOLLOWED BY (E.) IS EXISTING.
- CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE AND EQUIPMENT SIZES, LOCATIONS, ELEVATIONS, MATERIALS, ETC. BEFORE BIDDING OR BEGINNING WORK.
- CONTRACTOR SHALL COORDINATE SHUT DOWN OF ANY FIRE PROTECTION SYSTEM THAT AFFECTS OCCUPIED SPACES WITH THE OWNER, OCCUPANTS OF THE AFFECTED AREA, AND ANY OTHER AUTHORITY HAVING JURISDICTION.
- PROVIDE TEMPORARY CAPS AS REQUIRED SO EXISTING SYSTEM WILL REMAIN OPERATIONAL DURING CONSTRUCTION.
- CONTRACTOR SHALL PROTECT ALL EXISTING OWNER FACILITIES DURING CONSTRUCTION. ANY FACILITY DAMAGED OR DISCONNECTED BY CONTRACTOR OPERATIONS SHALL BE FULLY RESTORED TO PREVIOUS OPERATING AND APPEARANCE CONDITION AND AT NO COST TO OWNER.
- REMOVE ALL PIPE, VALVES, ETC. MADE OBSOLETE AS A RESULT OF NEW CONSTRUCTION.
- THOROUGHLY REVIEW ALL DRAWINGS PRIOR TO ANY DEMOLITION WORK. ANY ITEMS REMOVED ACCIDENTALLY MUST BE REPLACED AT NO ADDITIONAL COST TO OWNER.
- DISPOSAL OF DEMOLISHED MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- NO ABANDONED PIPE, VALVES, FITTINGS, ETC. WILL BE ALLOWED TO REMAIN, UNLESS SPECIFICALLY NOTED OTHERWISE IN DRAWINGS.

PLAN NOTES:

- REMOVE EXISTING FIRE PROTECTION SPRINKLERS AND HOSE CABINETS IN THIS AREA COMPLETE. INSTALL NEW 11,460 SQUARE FOOT WET PIPE SPRINKLER SYSTEM IN BASEMENT AREA. PROVIDE COVERAGE IN ACCORDANCE WITH NFPA 13 ORDINARY GROUP 2 HAZARD OCCUPANCY, 0.20 GPM/SF, 2500 SF REMOTE AREA, 500 GPM HOSE STREAM ALLOWANCE. INSTALL INSPECTOR'S TEST CONNECTION AT THE HYDRAULICALLY MOST REMOTE AREA. COORDINATE EXACT LOCATION OF DRAIN RISER.
- CLASS 1 MANUAL WET STANDPIPE WITH 2-1/2" HOSE CONNECTION WITH CAP AND CHAIN AT THE INTERMEDIATE LANDING.
- SPRINKLER RISERS.
- BASEMENT SPRINKLER MAIN.
- SPRINKLER SYSTEM FEED MAIN.
- 1 1/2" SUPPLY UP TO STAGE HOSE CABINET.
- PROVIDE COVERAGE FOR THIS SPACE USING SIDEWALL HEAD(S) FED FROM OUTSIDE ROOM. SPRINKLER PIPING IS NOT PERMITTED IN THIS ROOM.
- CLASS 1 MANUAL WET STANDPIPE WITH 2-1/2" HOSE CONNECTION WITH CAP AND CHAIN. INSTALL IN RECESSED VALVE CABINET.
- PROVIDE DRAIN DOWN VALVE WITH CAP AS REQUIRED.



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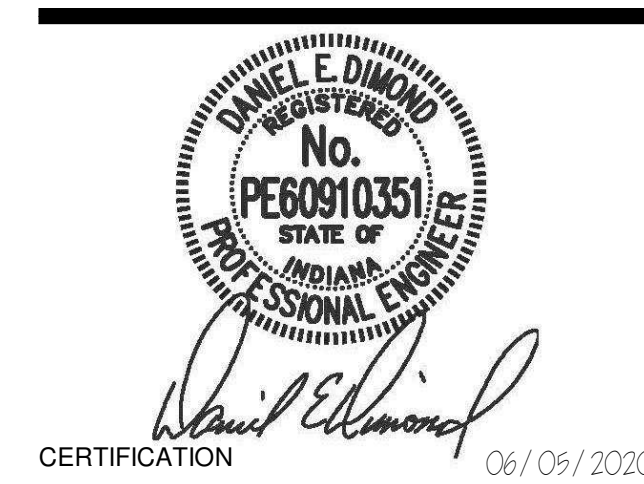
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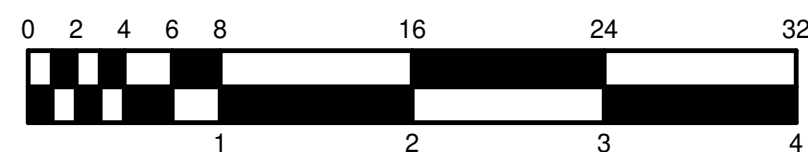
221 North 6th Street
Terre Haute, IN 47809

Project No.: 19A052
Drawn By: VLC
Checked By: WAE
Scale: See Drawing
Issue Date: 06/05/2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

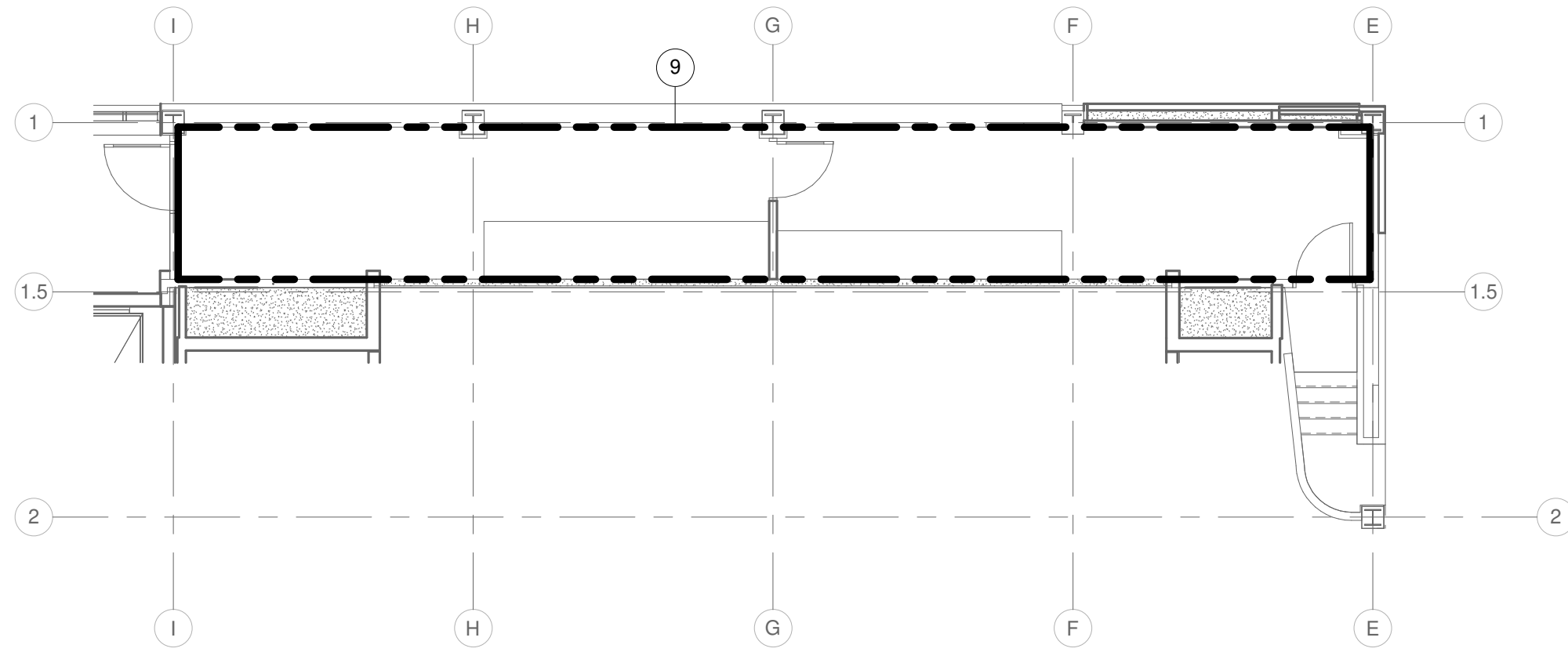
BASEMENT PLAN - FIRE
PROTECTION

FP2.00



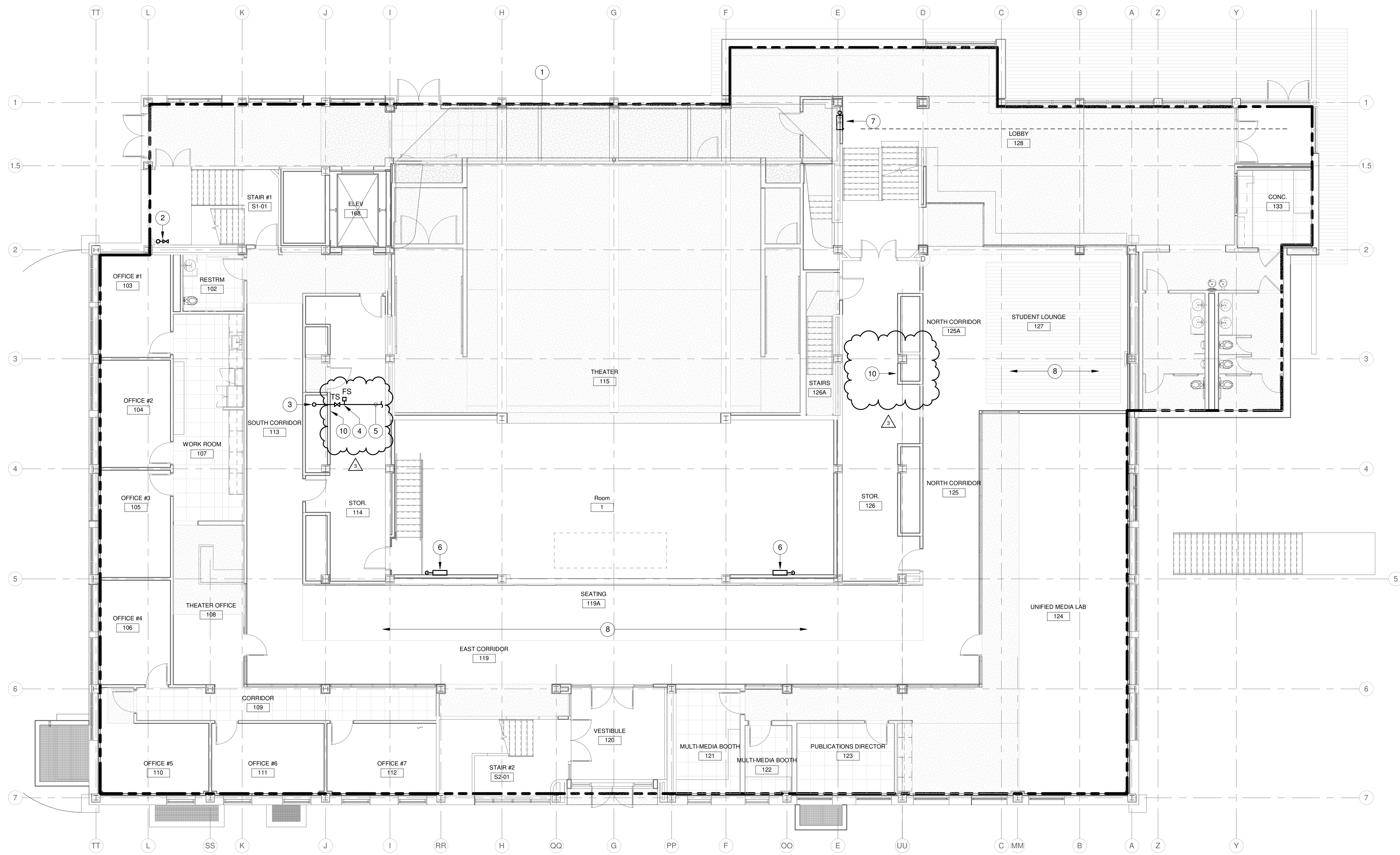
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CONTROL ROOM PLAN - FIRE PROTECTION

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



FIRST FLOOR PLAN - FIRE PROTECTION

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

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- REFER TO SHEET FP2.00 FOR GENERAL NOTES.
- INSTALL CLOSE SPACED SPRINKLERS AROUND OPEN STAIR AT THE UNDERSIDE OF EACH FLOOR OPENING IN ACCORDANCE WITH THE BUILDING CODE SUMMARY.
- INSTALL INSPECTORS TEST CONNECTION AT THE HYDRAULICALLY MOST REMOTE AREA. COORDINATE EXACT LOCATION OF DRAIN RISER.

PLAN NOTES:

- 15,600 SQUARE FOOT FIRST FLOOR WET PIPE SPRINKLER AREA. PROVIDE COVERAGE IN ACCORDANCE WITH NFPA 13 LIGHT HAZARD OCCUPANCY, 0.10 GPM/SF, 1500 SF REMOTE AREA, 250 GPM HOSE STREAM ALLOWANCE. STAGE AREA TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 ORDINARY GROUP 2 OCCUPANCY, 0.20 GPM/SF, ENTIRE AREA.
- CLASS 1 MANUAL WET STANDPIPE WITH 2-1/2" HOSE CONNECTION WITH CAP AND CHAIN AT THE INTERMEDIATE LANDING.
- SPRINKLER SYSTEM FEED MAIN.
- ZONE CONTROL VALVE WITH TAMPER SWITCH AND FLOW SWITCH.
- FIRST FLOOR SPRINKLER MAIN.
- CLASS 2 MANUAL WET STANDPIPE WITH 1 1/2" HOSE CONNECTION AND HOSE CABINET.
- CLASS 1 MANUAL WET STANDPIPE WITH 2-1/2" HOSE CONNECTION WITH CAP AND CHAIN. INSTALL IN RECESSED VALVE CABINET.
- PROVIDE CUSTOM COLOR COVERPLATE FOR THIS CEILING. COORDINATE WITH ARCHITECT.
- PROVIDE SPRINKLER COVERAGE FOR CONTROL ROOM FROM FIRST FLOOR WET PIPE SYSTEM.
- DISCONNECT AND REMOVE EXISTING FIRE HOSE CABINET AND ASSOCIATED PIPING COMPLETE.



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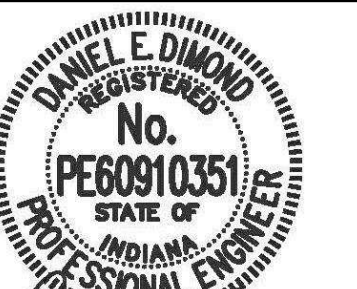
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CERTIFICATION 06/09/2020

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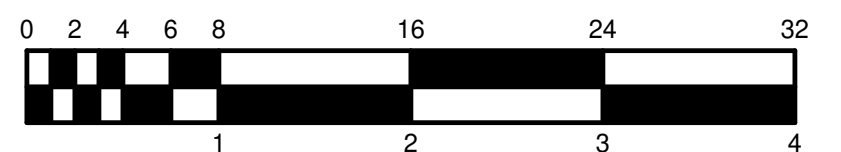
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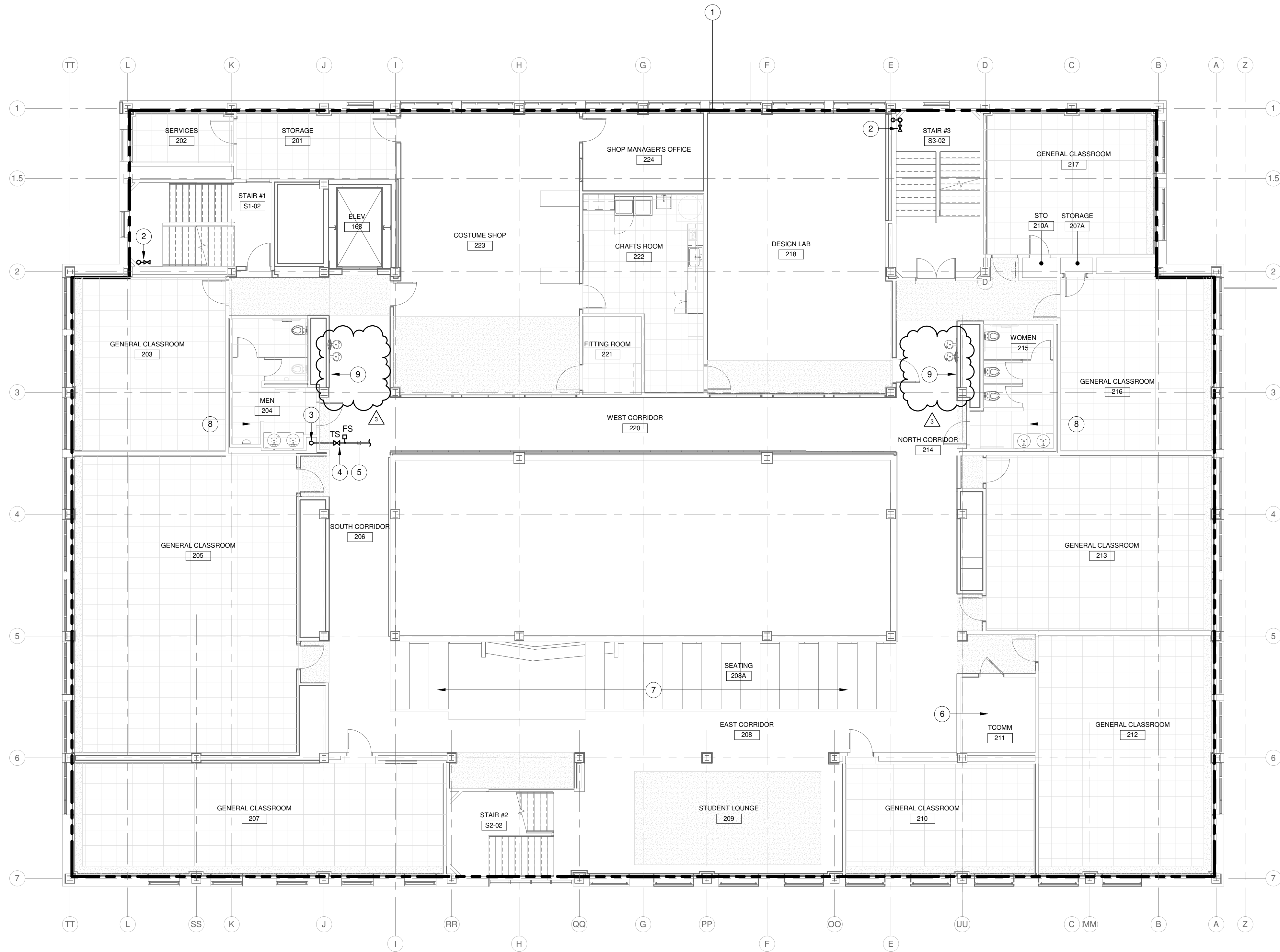
Project No.: 19A052
Drawn By: VLC
Checked By: WAE
Scale: See Drawing
Issue Date: 06/05/2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

FIRST FLOOR PLAN - FIRE
PROTECTION

FP2.01





SECOND FLOOR PLAN - FIRE PROTECTION
SCALE: 1/8" = 1'-0"
NORTH

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- REFER TO SHEET FP2.00 FOR GENERAL NOTES.
- INSTALL INSPECTORS TEST CONNECTION AT THE HYDRAULICALLY MOST REMOTE AREA. COORDINATE EXACT LOCATION OF DRAIN RISER.

PLAN NOTES:

- 14,150 SQUARE FOOT SECOND FLOOR WET PIPE SPRINKLER AREA. PROVIDE COVERAGE IN ACCORDANCE WITH NFPA 13 LIGHT HAZARD OCCUPANCY, 0.10 GPM/SF, 1500 SF REMOTE AREA, 250 GPM HOSE STREAM ALLOWANCE.
- CLASS 1 MANUAL WET STANDPIPE WITH 2-1/2" HOSE CONNECTION WITH CAP AND CHAIN AT THE INTERMEDIATE LANDING.
- SPRINKLER SYSTEM FEED MAIN.
- ZONE CONTROL VALVE WITH TAMPER SWITCH AND FLOW SWITCH.
- SECOND FLOOR SPRINKLER MAIN.
- PROVIDE COVERAGE FOR THIS SPACE USING SIDEWALL HEAD(S) FED FROM OUTSIDE ROOM. SPRINKLER PIPING IS NOT PERMITTED IN THIS ROOM.
- PROVIDE CUSTOM COLOR COVERPLATE FOR THIS CEILING. COORDINATE WITH ARCHITECT.
- REMOVE AND REPLACE EXISTING CEILINGS IN THIS AREA AS REQUIRED TO INSTALL SPRINKLER HEADS AND PIPING.
- DISCONNECT AND REMOVE EXISTING FIRE HOSE CABINET AND ASSOCIATED PIPING COMPLETE.



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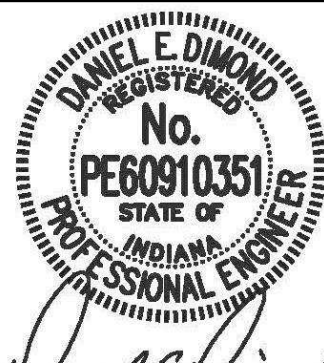
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Checked By: WAE
Scale: See Drawing
Issue Date: 06/09/2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

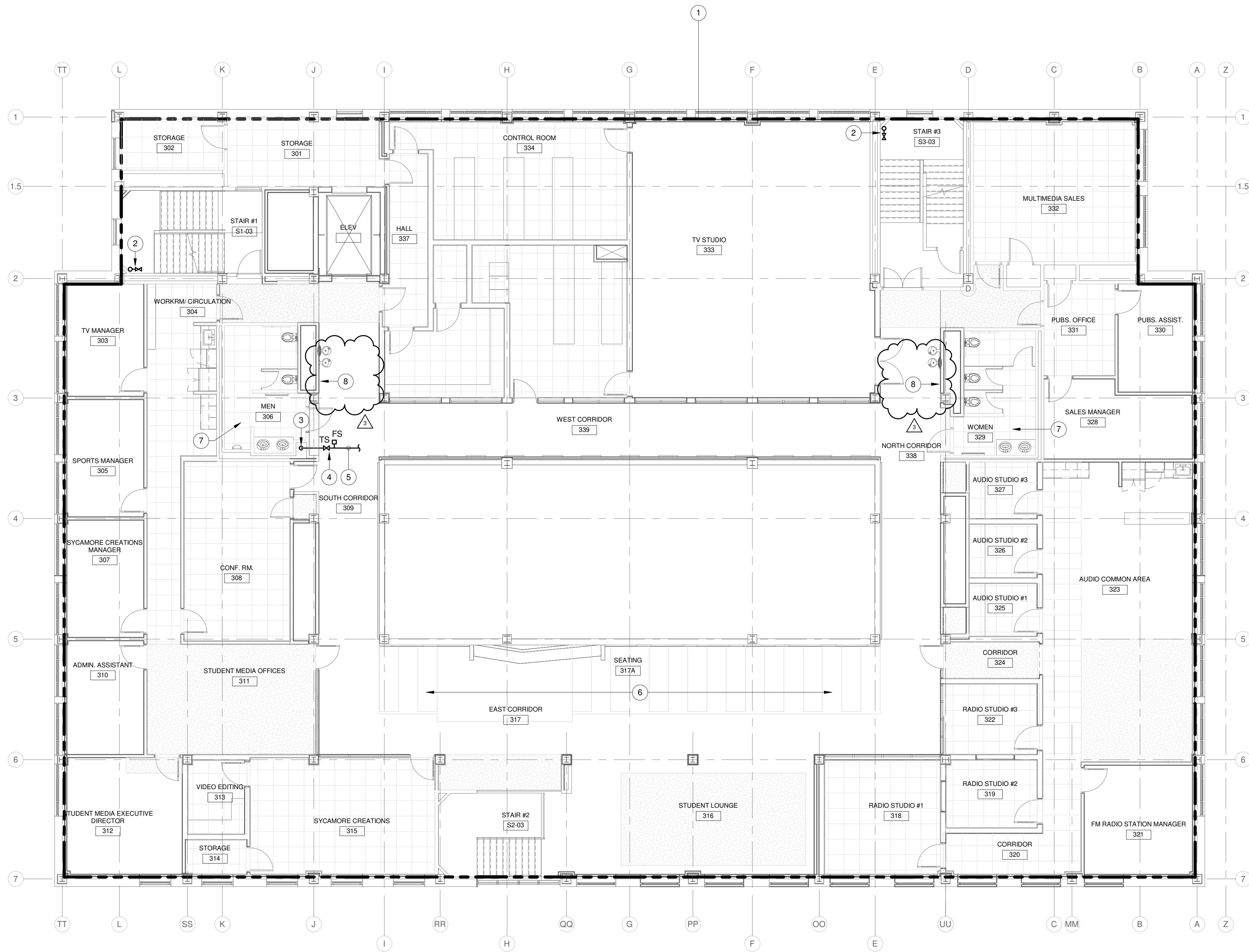
SECOND FLOOR PLAN -
FIRE PROTECTION

FP2.02



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THIRD FLOOR PLAN - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- REFER TO SHEET FP2.00 FOR GENERAL NOTES.
- INSTALL INSPECTORS TEST CONNECTION AT THE HYDRAULICALLY MOST REMOTE AREA. COORDINATE EXACT LOCATION OF DRAIN RISER.

PLAN NOTES:

- 14,150 SQUARE FOOT THIRD FLOOR WET PIPE SPRINKLER AREA. PROVIDE COVERAGE IN ACCORDANCE WITH NFPA 13 LIGHT HAZARD OCCUPANCY, 0.10 GPM/SF, 1500 SF REMOTE AREA, 250 GPM HOSE STREAM ALLOWANCE.
- CLASS 1 MANUAL WET STANDPIPE WITH 2-1/2" HOSE CONNECTION WITH CAP AND CHAIN AT THE INTERMEDIATE LANDING.
- SPRINKLER SYSTEM FEED MAIN.
- ZONE CONTROL VALVE WITH TAMPER SWITCH AND FLOW SWITCH.
- THIRD FLOOR SPRINKLER MAIN.
- PROVIDE CUSTOM COLOR COVERPLATE FOR THIS CEILING. COORDINATE WITH ARCHITECT.
- REMOVE AND REPLACE EXISTING CEILINGS IN THIS AREA AS REQUIRED TO INSTALL SPRINKLER HEADS AND PIPING.
- DISCONNECT AND REMOVE EXISTING FIRE HOSE CABINET AND ASSOCIATED PIPING COMPLETE.



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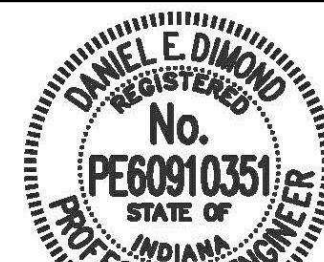
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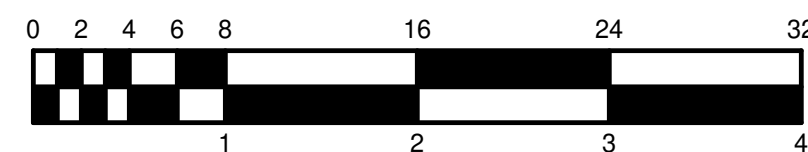
**221 North 6th Street
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Checked By: WAE
Scale: See Drawing
Issue Date: 06/09/2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

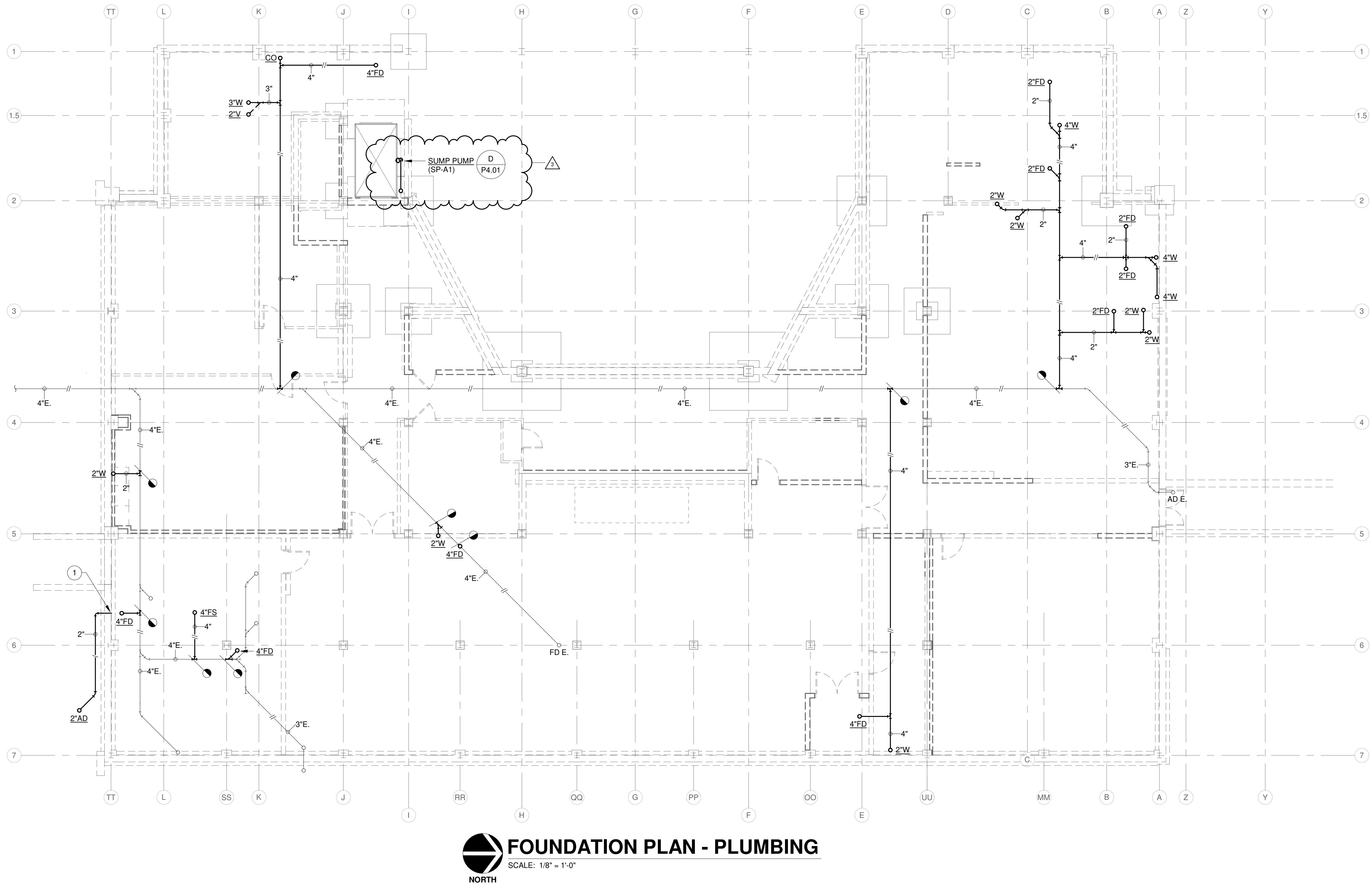
THIRD FLOOR PLAN - FIRE PROTECTION

FP2.03



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RENOVATION LEGEND:

- WORK TO BE INSTALLED
WORK TO REMAIN

GENERAL NOTES:

- REFER TO SHEET PD1.00 FOR ADDITIONAL GENERAL NOTES.
- SAW CUT AND PATCH FLOORS AS REQUIRED TO COMPLETE WORK. PATCH SHALL MATCH ADJACENT SURFACES.
- CONTRACTOR SHALL INCLUDE IN THEIR BIDS COSTS TO JET CLEAN ALL EXISTING UNDERSLAB DRAINAGE PIPING THAT IS BEING REUSED. RECORD PROCESS AFTERWARDS TO ENSURE COMPLETE OPENNESS.

PLAN NOTES:

- ROUTE 2" STORM FROM AREA DRAIN THRU BASEMENT WALL AND TERMINATE INDIRECTLY OVER FLOOR DRAIN. PROVIDE LINK-SEAL AT WALL PENETRATION.



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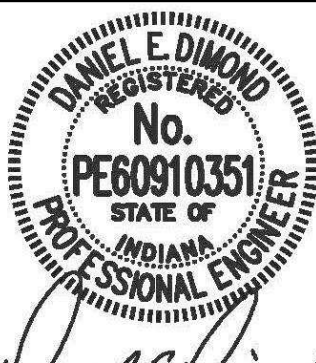
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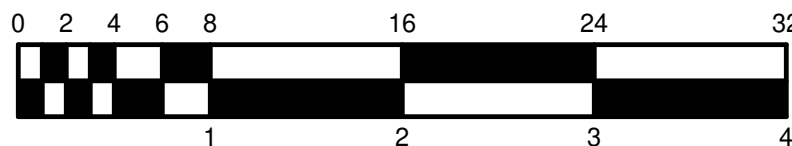
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Drawn By: VLC
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Scale: See Drawing
Issue Date: 06/09/2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

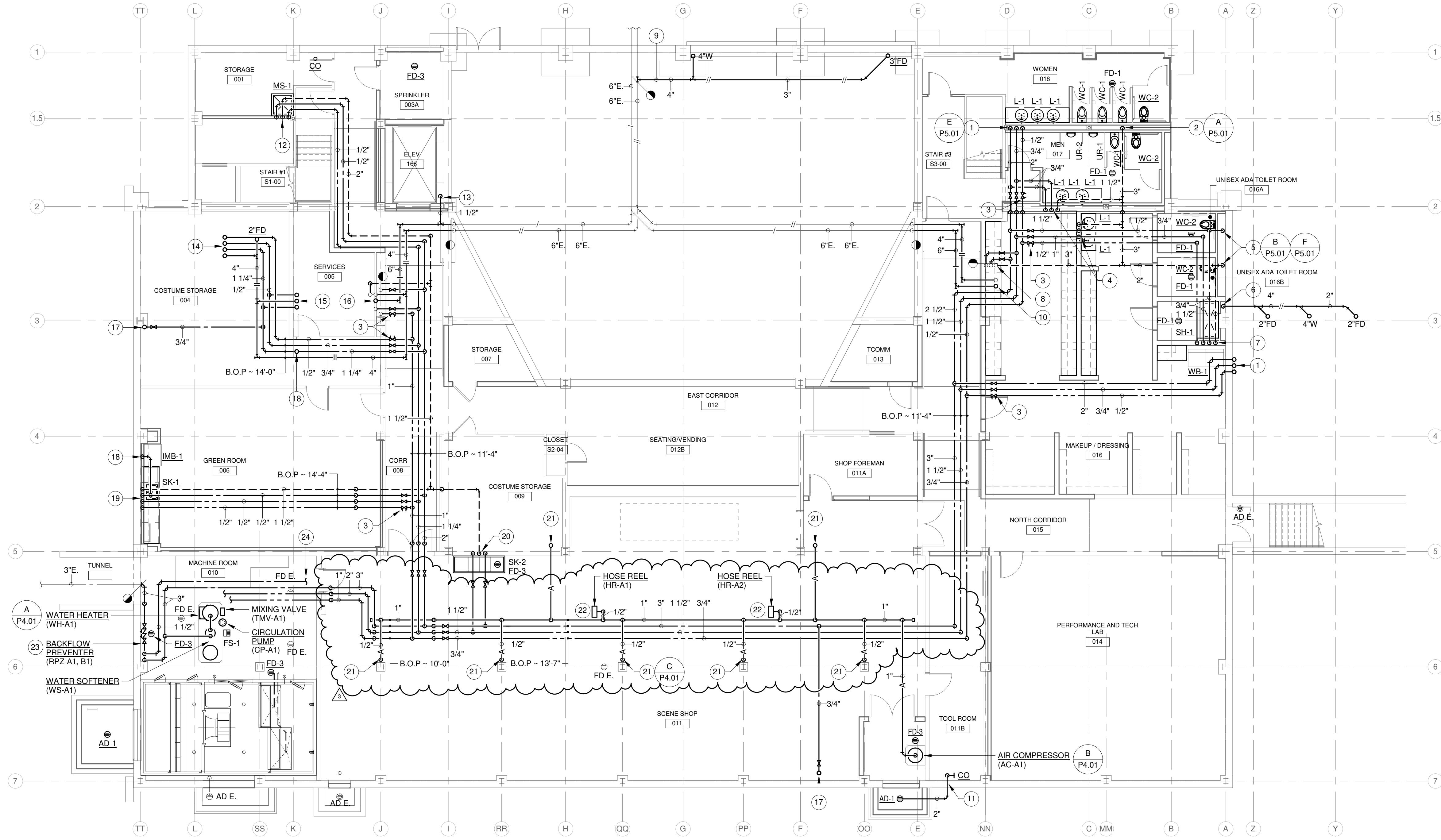
FOUNDATION PLAN -
PLUMBING

P1.00



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BASEMENT PLAN - PLUMBING
SCALE: 1/8" = 1'-0"
NORTH

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- REFER TO SHEET PD1.00 FOR GENERAL NOTES.

PLAN NOTES:

- 2" COLD WATER, 3/4" HOT WATER, 1/2" HOT WATER RETURN.
- 4" WASTE, 3" VENT.
- THERMOSTATIC ZONE VALVE.
- 3/4" HOT AND COLD WATER, 1 1/2" WASTE, 1 1/2" VENT.
- 1 1/2" COLD WATER, 4" WASTE, 2" VENT.
- 4" WASTE. PROVIDE LINK-SEAL AT WALL PENETRATION.
- 3/4" HOT AND COLD WATER, 1/2" HOT WATER RETURN, 2" WASTE, 1 1/2" VENT. EXTEND 1/2" HOT AND COLD WATER TO SHOWER, 1/2" HOT AND COLD WATER, 2" WASTE, 1 1/2" VENT TO WASHER BOX.
- CONNECT 2" COLD WATER, 1 1/4" HOT WATER, 3" VENT TO EXISTING RISERS.
- ALL WASTE PIPING SERVING CRAFTS ROOM 222 FIXTURES TO BE INSTALLED WITH SCHEDULE 40 CPVC AND DWV FITTINGS. SYSTEM SHALL BE EQUAL TO CHARLOTTE CHEMDRAIN.
- CONNECT 4" WASTE TO EXISTING STACK, 6" STORM CONDUCTOR.
- ROUTE 2" STORM FROM AREA DRAIN THRU BASEMENT WALL AT APPROXIMATELY 6'-6" ABOVE FLOOR. PROVIDE LINK-SEAL AT WALL PENETRATION.
- 1/2" HOT AND COLD WATER, 3" WASTE, 2" VENT.
- 1 1/2" PUMP DISCHARGE FROM ELEVATOR SUMP PUMP.
- 1 1/4" COLD WATER, 1/2" HOT WATER, 1/2" HOT WATER RETURN, 4" WASTE.
- 1/2" HOT AND COLD WATER, 1 1/2" WASTE.
- CONNECT 2" COLD WATER, 1 1/4" HOT WATER, 1" HOT WATER RETURN, 4" WASTE, 2" VENT TO EXISTING STACKS AND RISERS. NEW 6" STORM CONDUCTOR.
- 3/4" COLD WATER.
- 1/2" COLD WATER.
- 1/2" HOT AND COLD WATER, 1/2" HOT WATER RETURN, 1 1/2" WASTE, 1 1/2" VENT. EXTEND 3/8" COLD WATER TO COFFEE MAKER. ROUGH-IN WITH SHUTOFF VALVE AND MAKE FINAL CONNECTION WITH WATTS SD-3 BACKFLOW PREVENTER.
- 1/2" HOT AND COLD WATER, 2" WASTE, 1 1/2" VENT. EXTEND 1/2" HOT AND COLD WATER TO EACH FAUCET.
- 1/2" COMPRESSED AIR.
- INSTALL HOSE REEL CENTERED OVER OWNER FURNISHED WORK TABLE. ROUGH-IN WITH FILTER REGULATOR.
- RACK BACKFLOW PREVENTERS ON WALL UNDER STEAM PRV STATION. REFER TO DRAWING M3.01 FOR ADDITIONAL INFORMATION.
- REFER TO HVAC DRAWINGS FOR CONTINUATION OF 1 1/2" MAKE-UP WATER PIPING.



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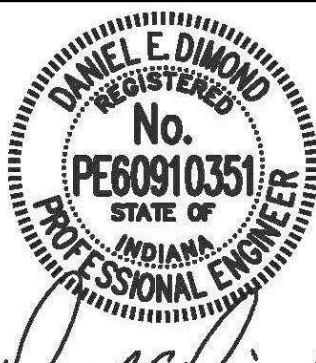
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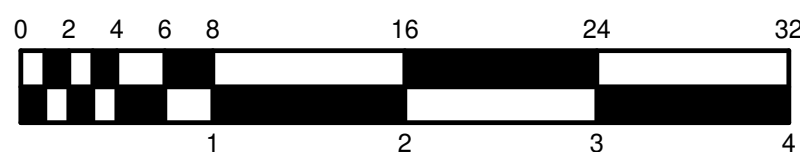
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Project No.: 19A052
Drawn By: VLC
Checked By: WAE
Scale: See Drawing
Issue Date: 06/09/2020

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Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

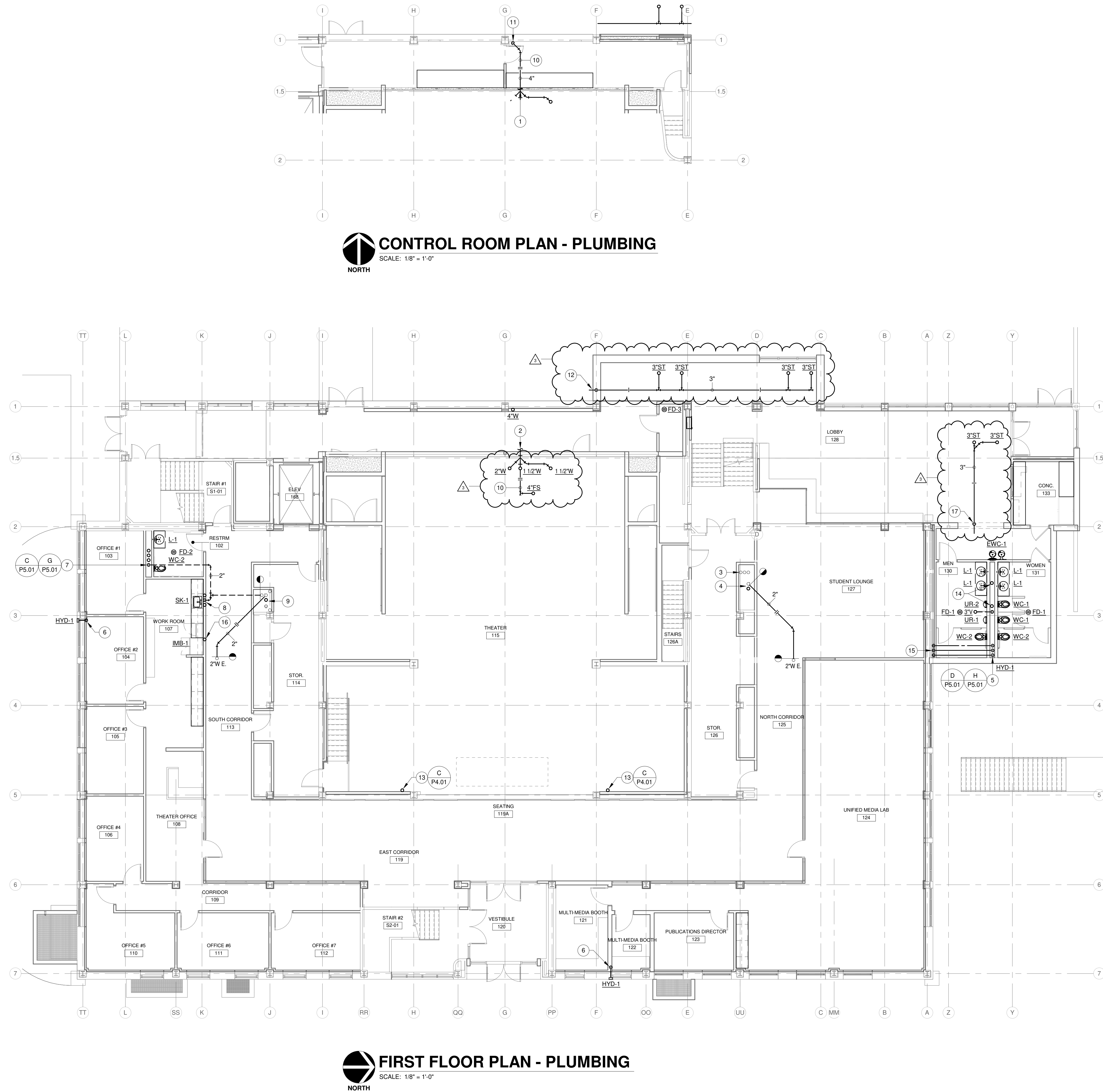
BASEMENT PLAN -
PLUMBING

P2.00



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RENOVATION LEGEND:

- WORK TO BE INSTALLED
WORK TO REMAIN

GENERAL NOTES:

1. REFER TO SHEET PD1.00 FOR GENERAL NOTES.
- PLAN NOTES:**
1. REFER TO FIRST FLOOR PLAN FOR CONTINUATION.
2. REFER TO CONTROL ROOM PLAN FOR CONTINUATION.
3. EXISTING 2" COLD WATER, 1 1/4" HOT WATER RISERS, EXISTING 3" VENT STACK.
4. 6" STORM CONDUCTOR, EXISTING 4" WASTE STACK.
5. 2" COLD WATER, 3/4" HOT WATER, 1/2" HOT WATER RETURN, 4" WASTE, 3" VENT, 3" VENT THRU ROOF.
6. 3/4" COLD WATER.
7. 1 1/4" COLD WATER, 1/2" HOT WATER, 1/2" HOT WATER RETURN, 4" WASTE, 2" VENT.
8. 1/2" HOT AND COLD WATER, 1 1/2" WASTE, 1 1/2" VENT. EXTEND 3/8" COLD WATER TO COFFEE MAKER. ROUGH-IN WITH SHUTOFF VALVE AND MAKE FINAL CONNECTION WITH WATTS SD3 BACKFLOW PREVENTER.
9. 6" STORM CONDUCTOR, EXISTING 2" COLD WATER, 1" HOT WATER, 1" HOT WATER RETURN RISERS, EXISTING 4" WASTE, 3" VENT STACKS.
10. ALL WASTE PIPING SERVING CRAFTS ROOM 222 FIXTURES TO BE INSTALLED WITH SCHEDULE 40 CPVC AND DWV FITTINGS. SYSTEM SHALL BE EQUAL TO CHARLOTTE CHEMDRAIN. HORIZONTAL PIPING INSTALLED IN THEATER AND CONTROL ROOM SHALL BE INSULATED WITH 1" FIBERGLASS WITH ASJ.
11. 4" WASTE.
12. 3" ROOF CONDUCTOR. TERMINATE 12" ABOVE ADJACENT GRADE WITH CONDUCTOR NOZZLE.
13. 1/2" COMPRESSED AIR FROM BELOW.
14. 3" STORM FROM ROOF DRAIN AND OVERFLOW DRAIN ABOVE. ROUTE EAST IN PLUMBING CHASE AND EXTEND THRU EAST WALL. TERMINATE 12" ABOVE ADJACENT GRADE WITH CONDUCTOR NOZZLE.
15. 2" COLD WATER, 3/4" HOT WATER, 1/2" HOT WATER RETURN FROM BELOW.
16. 1/2" COLD WATER.
17. 3" SCH 40 GALVANIZED STEEL STORM CONDUCTOR. TERMINATE 12" ABOVE LOW ROOF WITH ELBOW.



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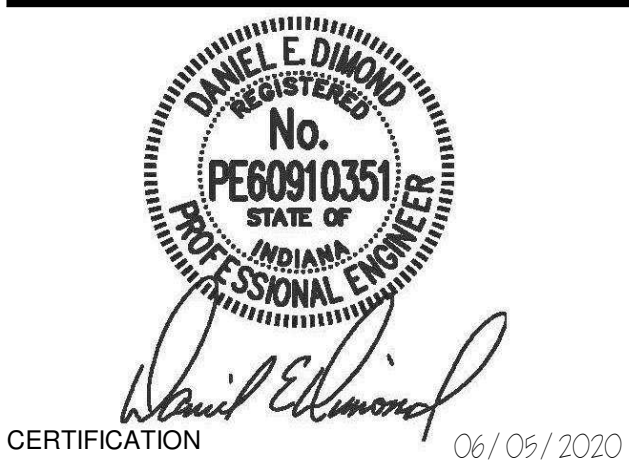
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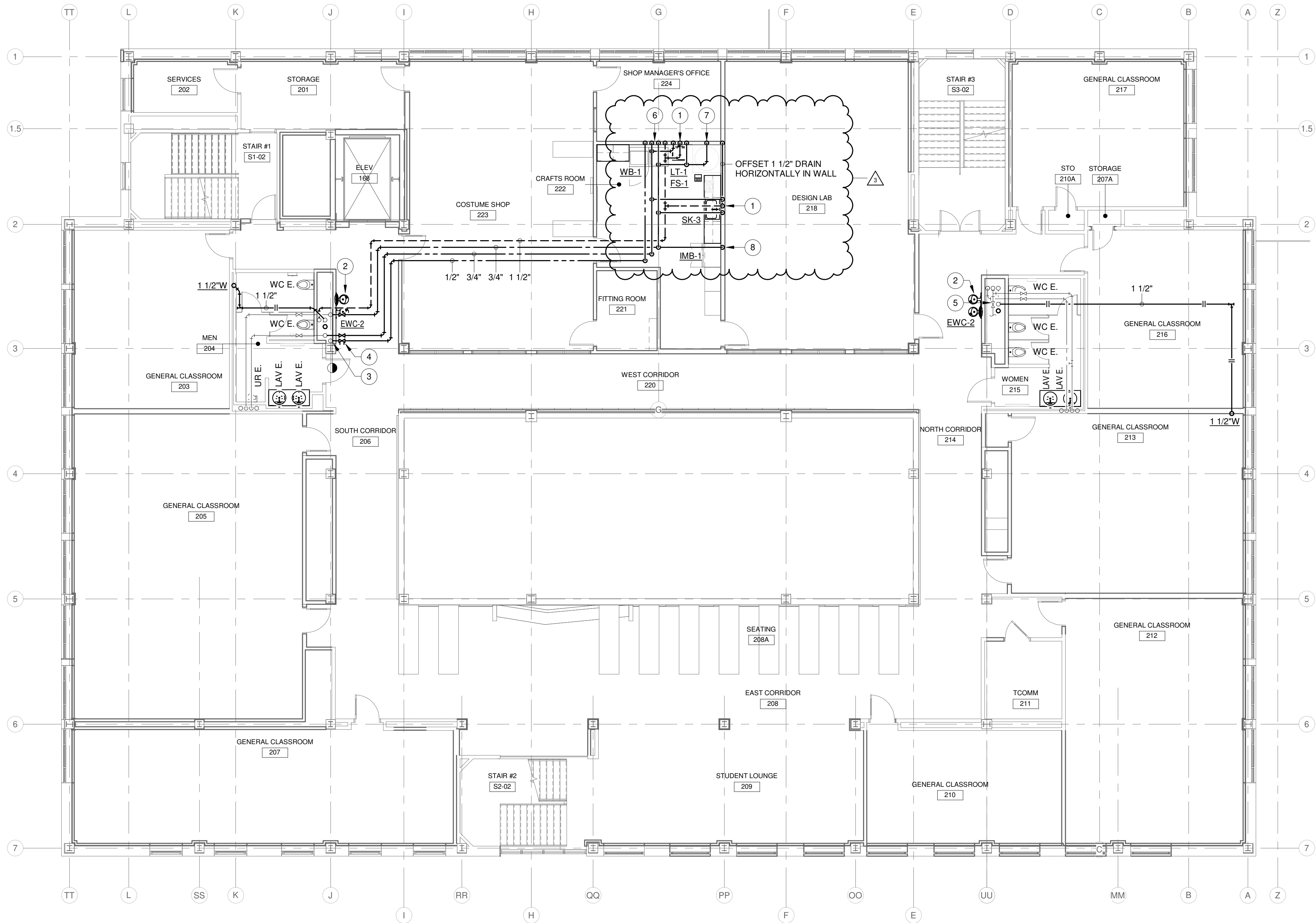
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Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

FIRST FLOOR PLAN -
PLUMBING



P2.01





 **SECOND FLOOR PLAN - PLUMBING**
SCALE: 1/8" = 1'-0"

RENOVATION LEGEND:

-  WORK TO BE INSTALLED
 WORK TO REMAIN

GENERAL NOTES:

1. REFER TO SHEET PD1.00 FOR GENERAL NOTES.

PLAN NOTES:

1. 1/2" HOT AND COLD WATER, 1 1/2" WASTE, 1 1/2" VENT.
2. EXTEND 1/2" COLD WATER, 1 1/2" WASTE, 1 1/2" VENT FROM EXISTING UTILITIES IN CHASE AND MAKE FINAL CONNECTION TO ELECTRIC WATER COOLER. INSTALL REMOTE CHILLER ABOVE ADJACENT RESTROOM CEILING.
3. 6" STORM CONDUCTOR, EXISTING 2" COLD WATER, 1" HOT WATER, 1" HOT WATER RETURN RISERS, EXISTING 4" WASTE, 3" VENT STACKS.
4. THERMOSTATIC ZONE VALVE.
5. 6" STORM CONDUCTOR, EXISTING 2" COLD WATER, 1" HOT WATER, RISERS, EXISTING 4" WASTE, 3" VENT STACKS.
6. 1/2" HOT AND COLD WATER, 2" WASTE STANDPIPE, 1 1/2" VENT.
7. 1/2" COLD WATER. MAKE FINAL CONNECTION TO OWNER FURNISHED DYE VAT FAUCET.
8. 1/2" COLD WATER.



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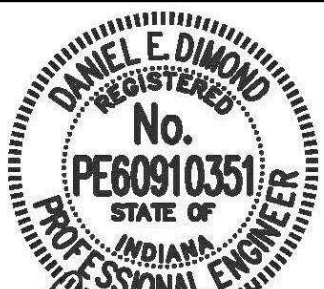
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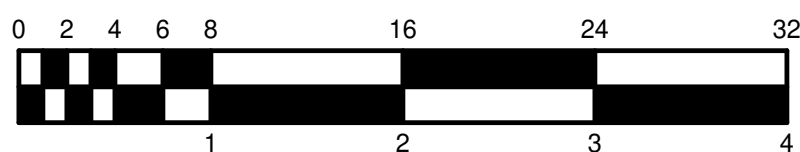
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**SECOND FLOOR PLAN -
PLUMBING**

P2.02





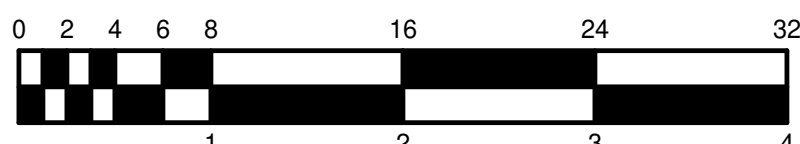
1. 1/2" HOT AND COLD WATER, 1 1/2" WASTE, 1 1/2" VENT. EXTEND 12" COLD WATER HORIZONTALLY IN WALL TO ICE MAKER BO. EXTEND 38" COLD WATER TO COFFEE MAKER. ROUGH-IN WITH SHUTOFF VALVE. WASTE MAKE FINAL CONNECTION WITH WATTS SD-3 BACKFLOW PREVENTER.
2. EXTEND 1/2" COLD WATER, 1 1/2" WASTE, 1 1/2" VENT FROM EXISTING UTILITIES IN CHASE AND MAKE FINAL CONNECTION TO ELECTRIC WATER COOLER. INSTALL REMOTE CHILLER ABOVE ADJACENT RESTROOM CEILING.
3. 6" STORM CONDUCTOR, EXISTING 2" COLD WATER, 1" HOT WATER, 1" HOT WATER RETURN RISERS, EXISTING 4" WASTE, 3" VENT STACKS.
4. THERMOSTATIC ZONE VALVE.
5. 6" STORM CONDUCTOR, EXISTING 2" COLD WATER, 1" HOT WATER, RISERS, EXISTING 4" WASTE, 3" VENT STACKS.

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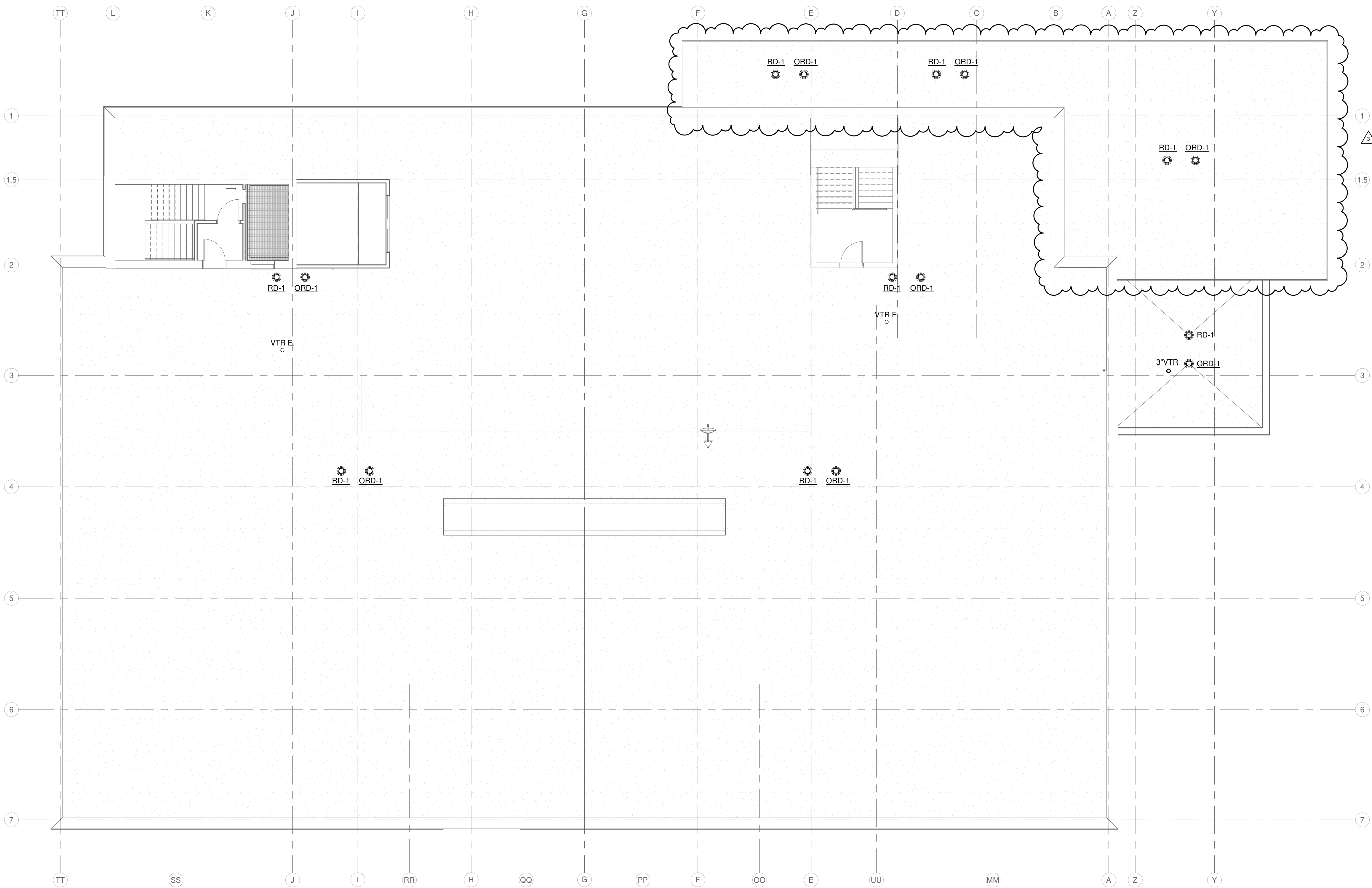
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P2.03





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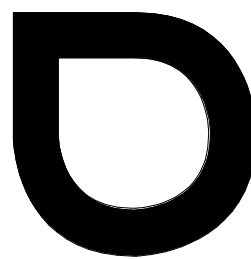
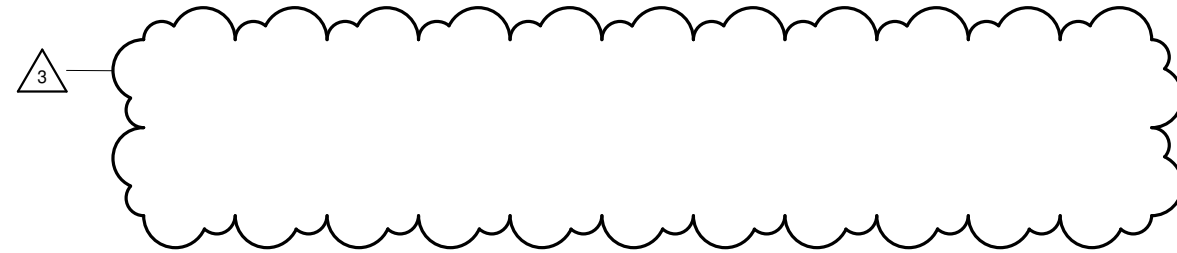
 **ROOF PLAN - PLUMBING**
SCALE: 1/8" = 1'-0"

RENOVATION LEGEND:

-  WORK TO BE INSTALLED
 WORK TO REMAIN

GENERAL NOTES:

1. REFER TO SHEET PD1.00 FOR GENERAL NOTES.



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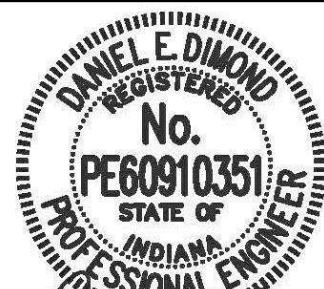
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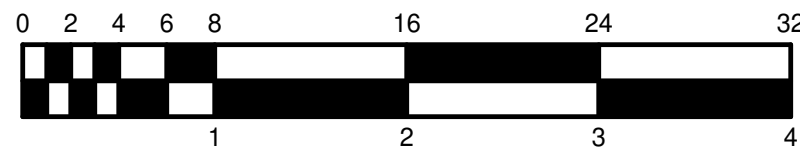
**Indiana State University -
Dreiser Hall Renovation**

**221 North 6th Street
Terre Haute, IN 47809**

Project No.: 19A052
Drawn By: VLC
Checked By: WAE
Scale: See Drawing
Issue Date: 06/09/2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

ROOF PLAN - PLUMBING



P2.20

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PLUMBING EQUIPMENT SCHEDULE									
MARK NO.	SPECIFICATION NAME	MANUFACTURER & MODEL NO.	ELECTRICAL DATA			WT.	CAPACITY	REMARKS	
			LOAD	VOLTS	PHASE				
WH-A	WATER HEATER	LOCHINVAR HST18080	18 KW	208	3	280	74 GPH RECOVERY AT 100° RISE, 80 GALLONS STORAGE	SET OUTLET TEMPERATURE AT 140°F. TERMINATE TEMP/PRESS RELIEF OVER FLOOR DRAIN.	
TMV-A	THERMOSTATIC MIXING VALVE	ARMSTRONG DRY25RBS	-	120	1	7	15 GPM AT 5 PSI MAXIMUM PRESSURE DROP, 1 GPM MINIMUM FLOW	1" 140°F HOT WATER, 1" COLD WATER INLETS, 1" 120° HOT WATER OUTLET.	
CP-A	CIRCULATION PUMP	TACO 113-S	1/8 HP	120	1	27	2 GPM AT 17 FEET TOTAL DYNAMIC HEAD	CONSTANT ON (AQUASTAT NOT REQUIRED)	
ET-A	EXPANSION TANK	AMTROL ST-12	-	-	-	9	4.4 GALLONS TANK VOLUME	-	
RPZ-A	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS 994-OSY-S-2 1/2"	-	-	-	148	94 GPM AT 9 PSI MAXIMUM PRESSURE DROP	PROVIDE WATTS 994-AGK-P AIR GAP AND TERMINATE RELIEF OVER FLOOR DRAIN.	
RPZ-B	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS LF309M1-QT-S-1 1/2"	-	-	-	44	45 GPM AT 10 PSI MAXIMUM PRESSURE DROP	PROVIDE WATTS 909-AGK-F AIR GAP AND TERMINATE RELIEF OVER FLOOR DRAIN.	
WS-A	WATER SOFTENER	AQUA SYSTEMS 2750-400	-	-	-	-	120,000/80,000 GRAINS EXCHANGE, 20 GPM CONTINUOUS, 27 GPM PEAK	PACKAGED SIMPLEX SOFTENING SYSTEM, 4 CF RESIN TANK, 800# SALT STORAGE.	
AC-A	AIR COMPRESSOR	INGERSOLL RAND 2475N7.5	7.5 HP	208	3	611	24.3 CFM @ 90 PSI, 175 PSI MAX, 80 GALLON VERTICAL RECEIVER	PREMIUM PACKAGE: MAGNETIC MOTOR STARTER, AUTO START/STOP WITH PRESSURE SWITCH, ELECTRIC DRAIN, AIR-COOLED AFTERCOOLER, LOW OIL LEVEL SWITCH.	
HR-A	HOSE REEL	ARO 614613-25A	-	-	-	-	25' X 3/8" HOSE, 300 PSI MAX	OPEN STYLE REEL, CEILING MOUNT, FURNISH WITH HOSE, COUPLING, AND HOSE STOP.	
SP-A	SUMP PUMP	ZOELLER N153	1/2 HP	120	1	-	42 GPM AT 25 FEET TOTAL DYNAMIC HEAD	FURNISH WITH ZOELLER 10-1038 SIMPLEX CONTROL PANEL, ON/OFF FLOATS, HIGH WATER FLOAT, ZOELLER 30-0100 TRI-CHECK VALVE.	
NOTE: REDUCERS REQUIRED FOR EQUIPMENT CONNECTIONS SHALL BE LOCATED AS CLOSE AS POSSIBLE TO EQUIPMENT.									

FIXTURE ROUGH-IN SCHEDULE & MOUNTING HEIGHTS								
MARK NO.	FIXTURE DESCRIPTION	HW	CW	TRAP	W	V	MOUNTING HEIGHT	
WC-1	WATER CLOSET - WALL HUNG, FLUSH VALVE	-	1"	INTEGRAL	4"	2"	15" TO SEAT	
WC-2	WATER CLOSET - WALL HUNG, FLUSH VALVE, ADA	-	1"	INTEGRAL	4"	2"	17" TO SEAT	
UR-1	URINAL - ADA	-	3/4"	INTEGRAL	2"	1-1/2"	17" TO RIM	
L-1	LAVATORY - ADA	1/2"	1/2"	1-1/4"	1-1/2"	1-1/2"	34" TO RIM	
SK-1	ONE COMPARTMENT SINK WITH DISPOSER	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	MOUNT SINK BOWL IN COUNTERTOP	
SK-2	PAINT SINK	(2) 1/2"	(2) 1/2"	2"	2"	1-1/2"	36" TO RIM	
SK-3	CRAFT SINK	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	MOUNT SINK BOWL IN COUNTERTOP	
MS-1	MOP SINK	1/2"	1/2"	3"	3"	2"	MOUNT FAUCET 36" ABOVE FINISHED FLOOR	
LT-1	LAUNDRY TUB	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	34" TO RIM	
SH-1	SHOWER - ADA	1/2"	1/2"	-	-	-	VALVE: 42", HANDSPRAY: 60", HEAD: 78"	
EW-1	ELECTRIC WATER COOLER - HILO, ADA	-	1/2"	1 1/4"	1 1/2"	1 1/2"	42" (HI), 36" (LO) TO BUBBLER	
EW-2	ELECTRIC WATER COOLER - HILO, ADA, REMOTE CHILLER	-	1/2"	1 1/4"	1 1/2"	1 1/2"	42" (HI), 36" (LO) TO BUBBLER	
WB-1	CLOTHES WASHER BOX	1/2"	1/2"	2"	2"	1 1/2"	42"	
IMB-1	ICE MAKER BOX	-	1/2"	-	-	-	24"	
HB-1	HOSE BIBB	-	3/4"	-	-	-	18"	
HYD-1	WALL HYDRANT - NON-FREEZE	-	3/4"	-	-	-	24"	

WATER HAMMER ARRESTER SCHEDULE						
TYPE	I.P.S.	F.U. RATING	J.R. SMITH NO.	WADE NO.	ZURN NO.	REMARK
A	3/4"	1 - 11	5005	W-5	100	P.D.I CERTIFIED
B	1"	12 - 32	5010	W-10	200	P.D.I CERTIFIED
C	1"	33 - 60	5020	W-20	300	P.D.I CERTIFIED
D	1"	61 - 113	5030	W-50	400	P.D.I CERTIFIED

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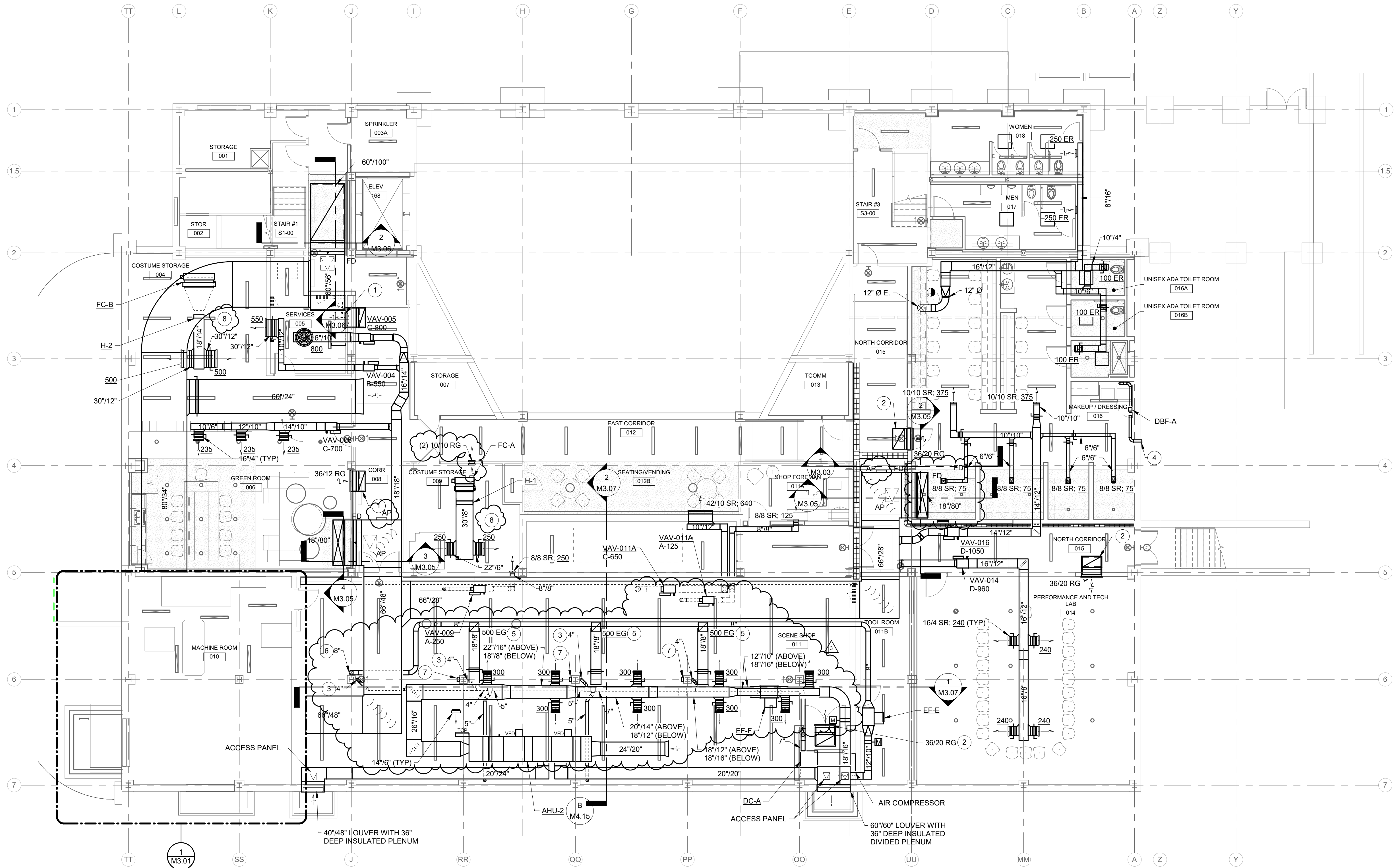
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3	ADDENDUM #3	2020-06-26

SCHEDULES - PLUMBING

P6.01

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BASEMENT PLAN - AIR DISTRIBUTION
SCALE: 1/8" = 1'-0"
NORTH

RENOVATION LEGEND:

- WORK TO BE INSTALLED
WORK TO REMAIN

GENERAL NOTES - AIR DISTRIBUTION:

- FLEX DUCT CONNECTIONS TO DIFFUSERS SHALL BE A MAXIMUM OF 3'-0" IN LENGTH.
- BRANCH DUCTS SHALL HAVE 45° BOOT TAP FROM SIDE OF MAIN. NO SPIN-IN FITTING ALLOWED. SEE DETAIL 5' / M401.
- PROVIDE VOLUME DAMPERS IN ALL BRANCH DUCTS TO DIFFUSERS, EXHAUST GRILLES, ETC. WHETHER SHOWN OR NOT. THESE DAMPERS ARE TO BE USED FOR SYSTEM BALANCE. DAMPERS IN DIFFUSERS, REGISTERS, ETC. SHALL NOT BE USED FOR AIR BALANCE.
- FOR ALL AIR OUTLETS INSTALLED IN HARD CEILINGS, VOLUME DAMPERS SHALL BE LOCATED ABOVE ACCESSIBLE CEILING IN ADJACENT SPACE IF POSSIBLE. IF NOT POSSIBLE, THEN PROVIDE ACCESS PANEL IN CEILING OR INSTALL REMOTE DAMPER ACTUATOR LIKE YOUNG REGULATOR CO. 1200 WORM GEAR WITH FLEX SHAFT ASSEMBLY AND 7/8" 896-FS CEILING TERMINATION.
- SEE REFLECTED CEILING PLAN FOR EXACT LOCATION OF AIR OUTLETS.
- COORDINATE AND ADJUST DIFFUSER LOCATIONS, AS NEEDED.
- FIRE DAMPER INSTALLATION TO BE AS PER MANUFACTURERS REQUIREMENTS.
- ALL TRANSFER OPENINGS TO BE ABOVE CEILINGS.
- PROVIDE INTERNALLY LINED TRANSFER DUCTS WITH ELBOW IN WALLS OF ALL ROOMS ABOVE CEILING WHETHER SHOWN OR NOT. SEE A-SERIES DRAWINGS FOR WALLS TO DECK. CONNECT TO RETURN AIR GRILLES WHERE APPLICABLE.
- ALL RETURN GRILLES TO HAVE ACOUSTICAL ELBOW. SEE PLENUM RETURN GRILLE SCHEDULE, DRAWING M601 SCHEDULES - AIR DISTRIBUTION.
- SUPPLY DIFFUSERS TO BE INSTALLED NO CLOSER THAN 4'-0" TO ALL SMOKE DETECTORS. REFER TO F-SERIES AND E-SERIES DRAWINGS FOR ADDITIONAL CEILING INSTALLED DEVICES. COORDINATE AND ADJUST DIFFUSER LOCATIONS, AS NEEDED.
- SHEET METAL CONTRACTOR TO PROVIDE DUCT ACCESS DOORS FOR FIRE DAMPERS, MOTORIZED DAMPERS, AIR FLOW MEASURING STATIONS, AND ON BOTH SIDES OF THE REHEAT COILS. COORDINATE WITH MECHANICAL CONTRACTOR AND GENERAL TRADES CONTRACTOR.
- MECHANICAL CONTRACTOR SHALL BLANK-OFF UNUSED PORTIONS OF ALL LOUVERS WHETHER SHOWN OR NOT WITH SHEET METAL AND 2" OF RIGID INSULATION PAINTED BLACK.
- EACH AND EVERY EXHAUST FAN TO HAVE INSULATED, TIGHT-CLOSING MOTORIZED ISOLATION DAMPER WHETHER SHOWN OR NOT.
- EXTERNALLY INSULATE ALL SUPPLY DUCTWORK CONCEALED ABOVE CEILINGS WITH FLEXIBLE FIBERGLASS. EXPOSED SUPPLY DUCTWORK AND WHERE DESIGNATED SHALL BE INTERNALLY LINED RECTANGULAR OR DUAL WALL SPIRAL, ROUND DUCTWORK WITH PAINT GRIP FINISH. ALL EXPOSED DUCTWORK INSTALLED NEATLY TO THE SATISFACTION OF THE ENGINEER. DUAL WALL SPIRAL AND INTERNALLY LINED DUCTWORK SHALL BE CLEARLY IDENTIFIED ON THE SHEET METAL CONTRACTORS DUCT FABRICATION DRAWINGS.
- THESE ARE NOT FABRICATION DRAWINGS. THESE DRAWINGS ARE NOT INTENDED TO SHOW ALL OFFSETS AS REQUIRED FOR PROPER DUCTWORK INSTALLATION. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND PREPARE FABRICATION DRAWINGS BASED ON EXISTING CONDITIONS. ALL ADDITIONAL OFFSETS SHALL BE INCLUDED IN BID PRICE.
- VERIFY FIT OF DUCTWORK PRIOR TO ANY FABRICATION. CONTRACTOR WILL NOT BE REIMBURSED FOR DUCTWORK THAT WILL NOT FIT.
- REFERENCE M4.00 SERIES DRAWINGS FOR TYPICAL AND SPECIFIC INSTALLATION REQUIREMENTS FOR EQUIPMENT, ETC.
- WORKMANSHIP FOR ALL DUCTWORK AND EQUIPMENT MUST BE IN COMPLIANCE WITH SMACNA STANDARDS.
- ALSO SEE SHEET PM0.01 FOR ADDITIONAL GENERAL NOTES.

PLAN NOTES:

- 36"12" LINED 'L' TRANSFER WITH RETURN GRILLE.
- 36"20" LINED 'L' TRANSFER WITH RETURN GRILLE.
- DUCT DROP TO TERMINATE WITH WYE FITTING. INSTALL FLOOR SWEEP. OTHER SIDE TO TERMINATE WITH BLAST GATE FOR FINAL CONNECTION.
- INSTALL INLINE BOOSTER FAN, DBF-A PER MANUFACTURER REQUIREMENTS. TERMINATE VENT AT MINIMUM 16' ABOVE GRADE WITH TERMINATION CAP.
- 16"x16" FILTER GRILLE LIKE TITUS 55FLL OR SIMILAR. 1" FILTER. TYP.
- INSTALL WELDING FUME HOOD, LIKE CAR-MON SERIES FH-34 OR EQUAL.
- DUST COLLECTOR AUXILIARY START/STOP STATION. WIRING BY DIVISION 28.
- HOLD ALL DUCTWORK HIGH AS POSSIBLE. EXACT EQUIPMENT AND DUCTWORK TO BE COORDINATED IN FIELD WITH ENGINEER.



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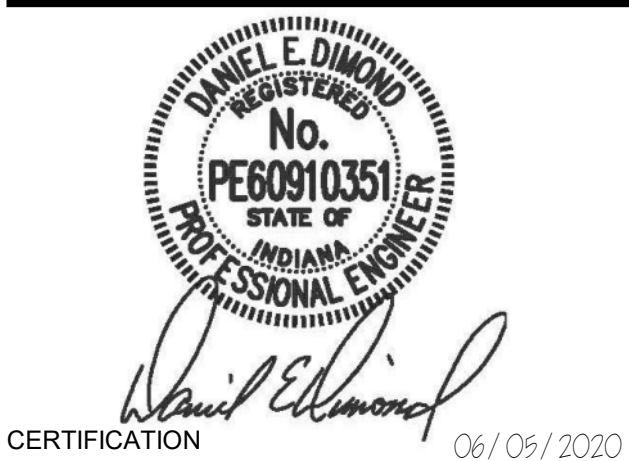
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Terre Haute, IN 47809

Project No.: 19A052
Drawn By: ACB
Checked By: MUE
Scale: See Drawing
Issue Date: 06/05/2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

BASEMENT PLAN - AIR
DISTRIBUTION

M2.00



RENOVATION LEGEND:

- WORK TO BE INSTALLED
WORK TO REMAIN

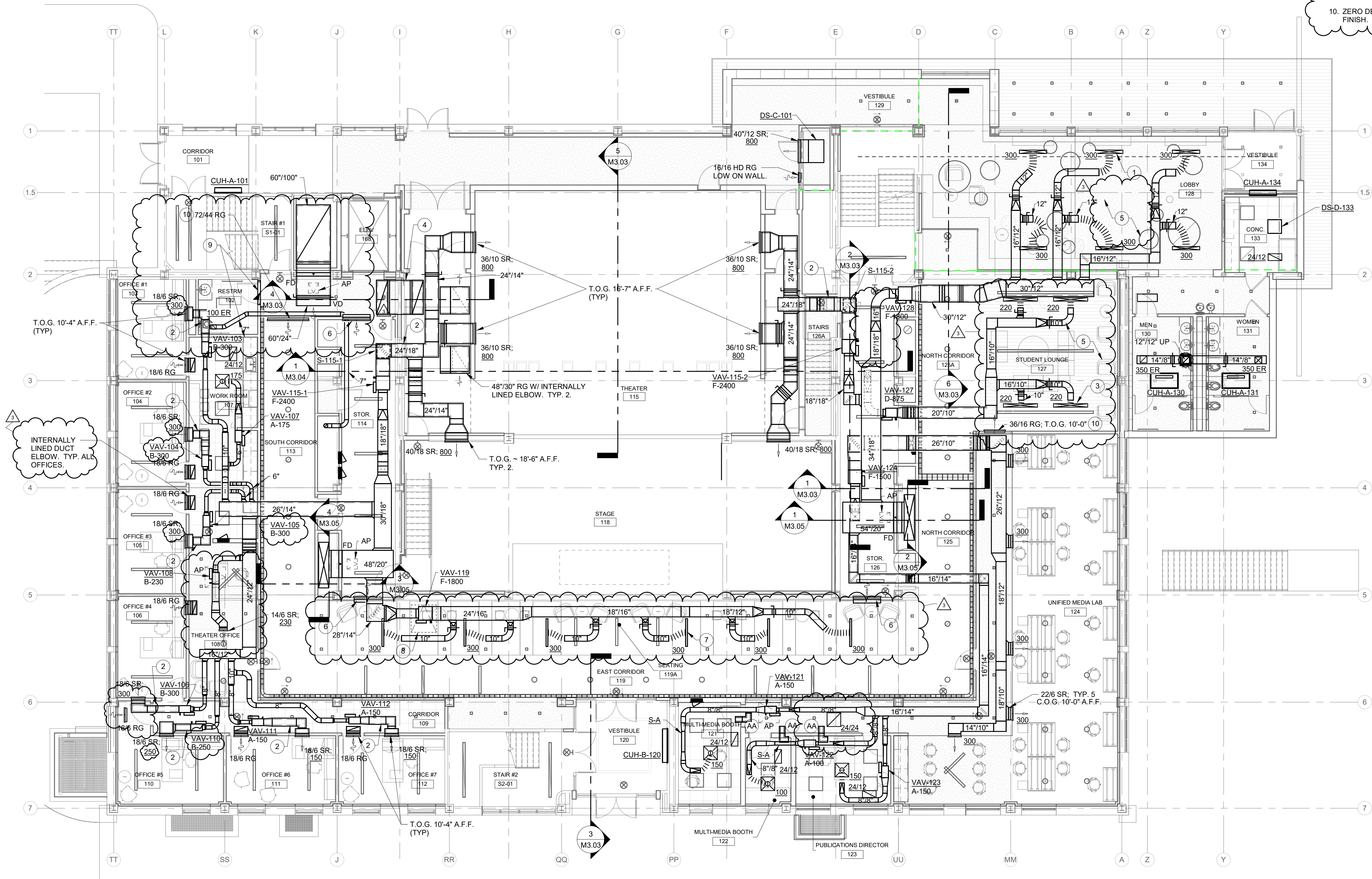
GENERAL NOTES - AIR DISTRIBUTION:

1. ALSO SEE SHEET PM0.01 & M2.00 FOR ADDITIONAL GENERAL NOTES.
2. ALL EXPOSED SUPPLY AIR DUCTWORK SHALL BE 1" INTERNALLY LINED DUCTWORK WITH PAINT GRIP FINISH FOR FIELD PAINTING.

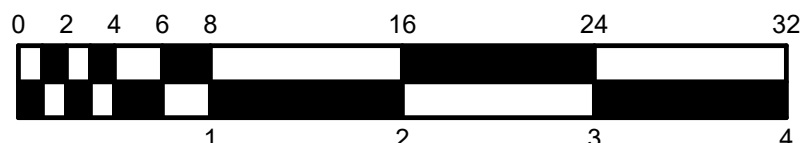
PLAN NOTES:

1. 48" LONG LINEAR SLOT DIFFUSER IN GYPSUM BOARD CEILING LIKE PRICE SDS100, 1" SLOT, (6) SLOTS. PROVIDE SUPPLY PLENUM ON BACK OF DIFFUSER. CLOSELY COORDINATE WITH LIGHT LOCATIONS.
2. ALL SUPPLY AIR DUCTWORK DOWNSTREAM OF VAV BOX TO HAVE 1" ACOUSTICAL DUCT LINER.
3. 60" LONG LINEAR SLOT DIFFUSER IN 6" WIDE WOOD PLANK CEILING LIKE PRICE SDS150, 1.5" SLOT, (2) SLOTS. PROVIDE SUPPLY PLENUM ON BACK OF DIFFUSER. CLEAR ANODIZED FINISH.
4. 60"x18" INTERNALLY LINED U-DUCT TRANSFER ABOVE CEILING. SEE DETAIL HMM.01.
5. PROVIDE CABLE OPERATED BALANCE DAMPERS AT BRANCH TAKE-OFF FOR ALL DIFFUSERS IN THIS AREA. COORDINATE OPERATOR TERMINATION LOCATION WITH ENGINEER/ARCHITECT IN FIELD.
6. 48" X 20" OPENING IN WALL ABOVE CEILING. PROVIDE TRANSFER AIR GRILLE ON STORAGE ROOM SIDE.
7. 48" LONG LINEAR SLOT DIFFUSER IN WOOD VENEER CEILING LIKE PRICE SDS150, 1.5" SLOT, (2) SLOTS. PROVIDE SUPPLY PLENUM ON BACK OF DIFFUSER. CLEAR ANODIZED FINISH.
8. 44"x48" ACCESS PANEL IN WOOD VENEER CEILING FOR VAV BOX TO BE PROVIDED BY GENERAL CONTRACTOR. CLOSE COORDINATION REQUIRED FOR VAV BOX AND DIFFUSERS IN THIS CEILING.
9. 24" X 16" OPENING IN WALL ABOVE CEILING.
10. ZERO DEGREE DEFLECTION RETURN GRILLE. CLEAR ANODIZED FINISH.

CONTROL ROOM PLAN - AIR DISTRIBUTION
SCALE: 1/8" = 1'-0"
NORTH



FIRST FLOOR PLAN - AIR DISTRIBUTION
SCALE: 1/8" = 1'-0"
NORTH



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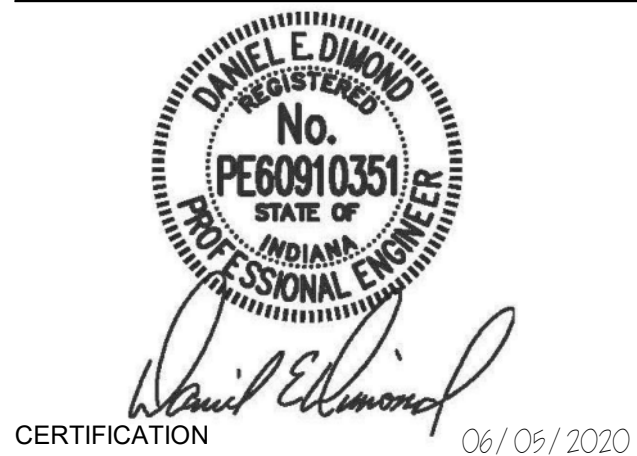
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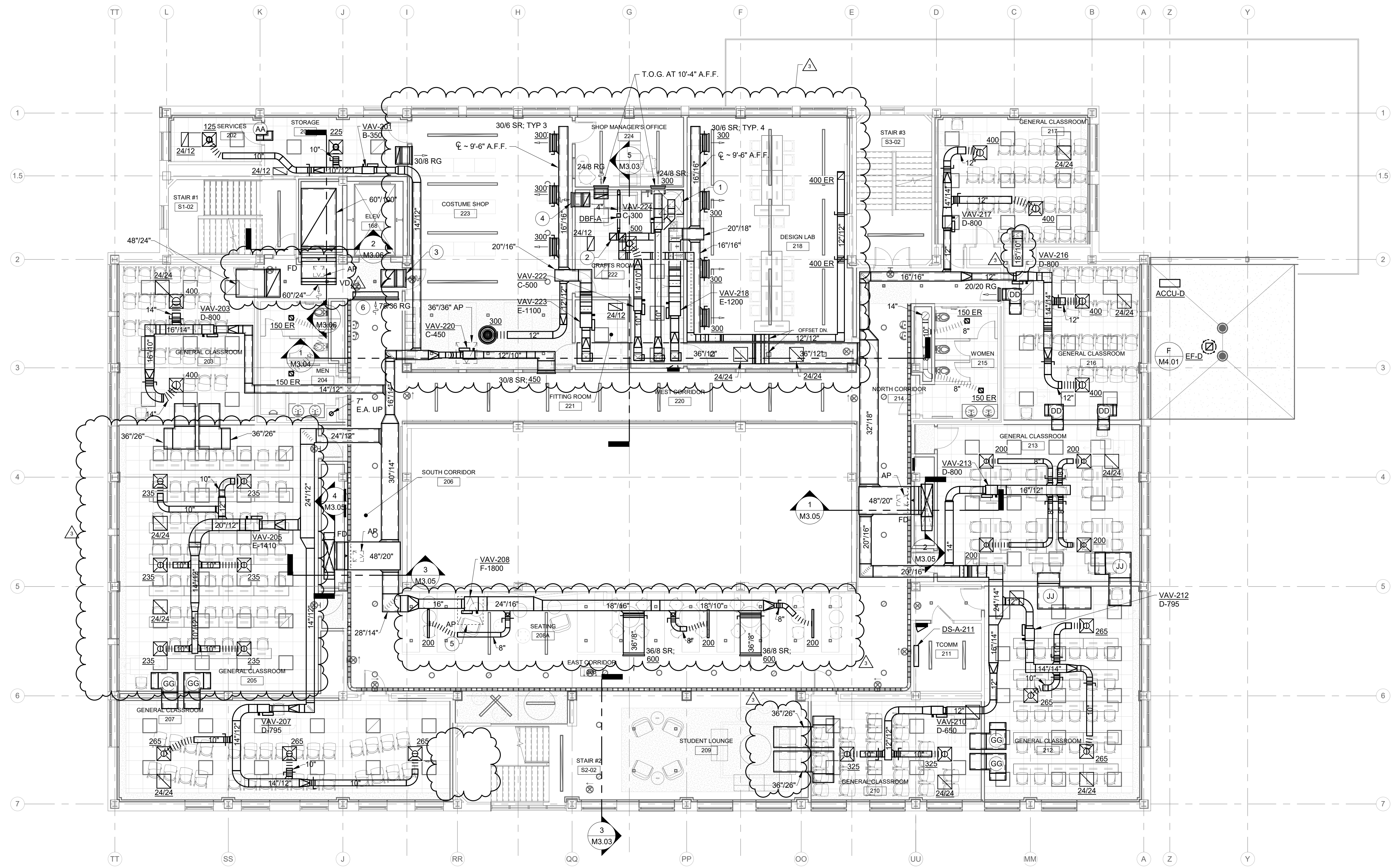
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FIRST FLOOR PLAN - AIR
DISTRIBUTION

M2.01

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SECOND FLOOR PLAN - AIR DISTRIBUTION
SCALE: 1/8" = 1'-0"
NORTH

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES - AIR DISTRIBUTION:

- ALSO SEE SHEET PM0.01 & M2.00 FOR ADDITIONAL GENERAL NOTES.
- ALL EXPOSED SUPPLY AIR DUCTWORK SHALL BE 1" INTERNALLY LINED DUCTWORK WITH PAINT GRIP FINISH FOR FIELD PAINTING.

PLAN NOTES:

- PROVIDE 42" x 42" STAINLESS STEEL EXHAUST HOOD OVER DYE-VAT SYSTEM. SEE DETAIL K/M4.01.
- 4" DRYER VENT, 12/12 DYE-VAT EXHAUST, AND 12/12 EXHAUST DUCT UP TO ROOF THRU CHASE ON THIRD FLOOR. CLOSELY COORDINATE WITH STRUCTURE ABOVE.
- 30"/24" LINED 'L' TRANSFER WITH RETURN GRILLE.
- 24"/12" LINED 'L' TRANSFER WITH RETURN GRILLE.
- 44"x48" ACCESS PANEL IN WOOD VENEER CEILING FOR VAV BOX TO BE PROVIDED BY GENERAL CONTRACTOR. CLOSE COORDINATION REQUIRED FOR VAV BOX AND DIFFUSERS IN THIS CEILING.
- ZERO DEGREE DEFLECTION RETURN GRILLE. CLEAR ANODIZED FINISH.



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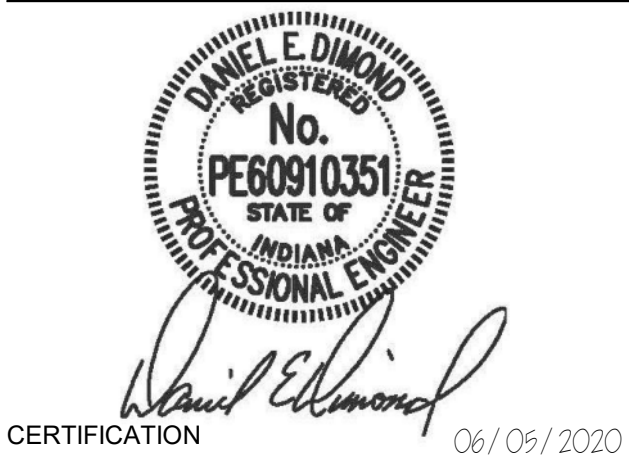
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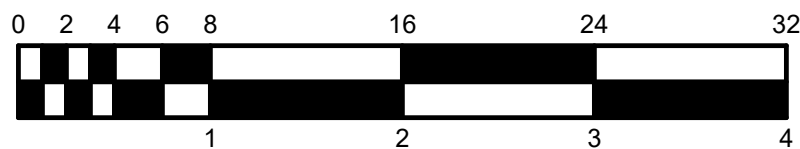
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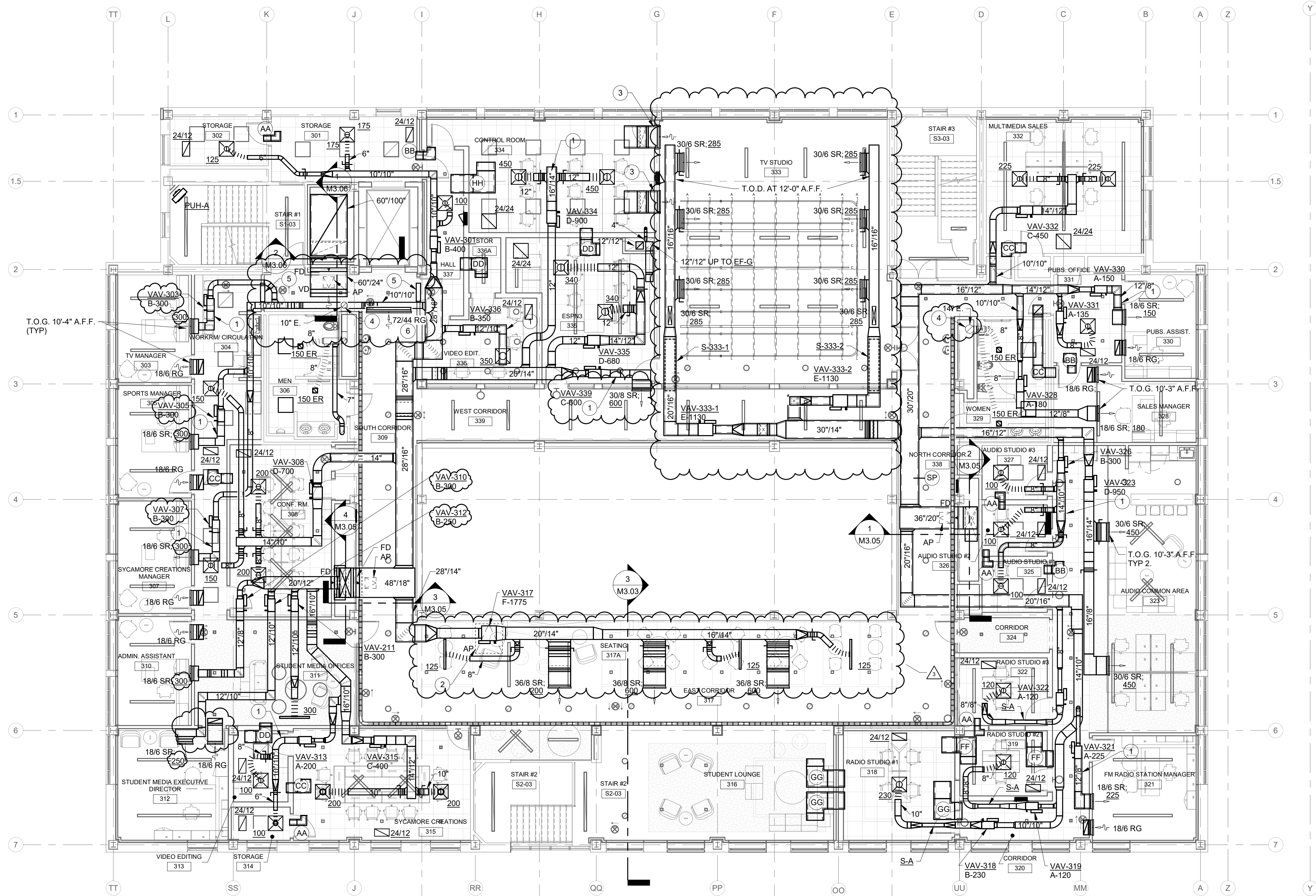
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SECOND FLOOR PLAN -
AIR DISTRIBUTION

M2.02



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THIRD FLOOR PLAN - AIR DISTRIBUTION

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

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES - AIR DISTRIBUTION:

- ALSO SEE SHEET PM0.01 & M2.00 FOR ADDITIONAL GENERAL NOTES.
- ALL EXPOSED SUPPLY AIR DUCTWORK SHALL BE 1" INTERNALLY LINED DUCTWORK WITH PAINT GRIP FINISH FOR FIELD PAINTING.

PLAN NOTES:

- ALL SUPPLY AIR DUCTWORK DOWNSTREAM OF VAV BOX TO HAVE 1" ACOUSTICAL DUCT LINER.
- 44"x48" ACCESS PANEL IN WOOD VENEER CEILING FOR VAV BOX TO BE PROVIDED BY GENERAL CONTRACTOR. CLOSE COORDINATION REQUIRED FOR VAV BOX AND DIFFUSERS IN THIS CEILING.
- 36"x12" TRANSFER AIR GRILLE WITH INTERNALLY LINED Z-SHAPED TRANSFER DUCT.
- EXISTING EXHAUST AIR DUCT UP TO NEW EF ON ROOF.
- 30" X 16" AIR TRANSFER OPENING IN WALL ABOVE CEILING.
- ZERO DEGREE DEFLECTION RETURN GRILLE. CLEAR ANODIZED FINISH.



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Drawn By: ACB
Checked By: MUE
Scale: See Drawing
Issue Date: 06/05/2020

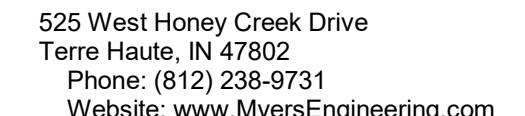
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3	ADDENDUM #3	2020-06-26

THIRD FLOOR PLAN - AIR
DISTRIBUTION

M2.03



1. TERMINATE CONDENSATE DRAIN AT MOP SINK / FD.
SEE P-SERIES DRAWINGS FOR LOCATION.
2. INSTALL CONDENSATE COOLER IN DRAIN PIPING AT THIS LOCATION.
COOLER LIKE ARMSTRONG CC-5 OR EQUAL. CONNECT PER MFG.
REQUIREMENTS. SEE P-SERIES DRAWINGS FOR CW PIPING.
SET AT MAX. 140 °F.
3. LOCATION OF FC, HUMIDIFIER, AND SENSORS TO BE COORDINATED
WITH SHELVING SYSTEM IN THE ROOM PRIOR TO ROUGH-INS.



M2.10

RENOVATION LEGEND:

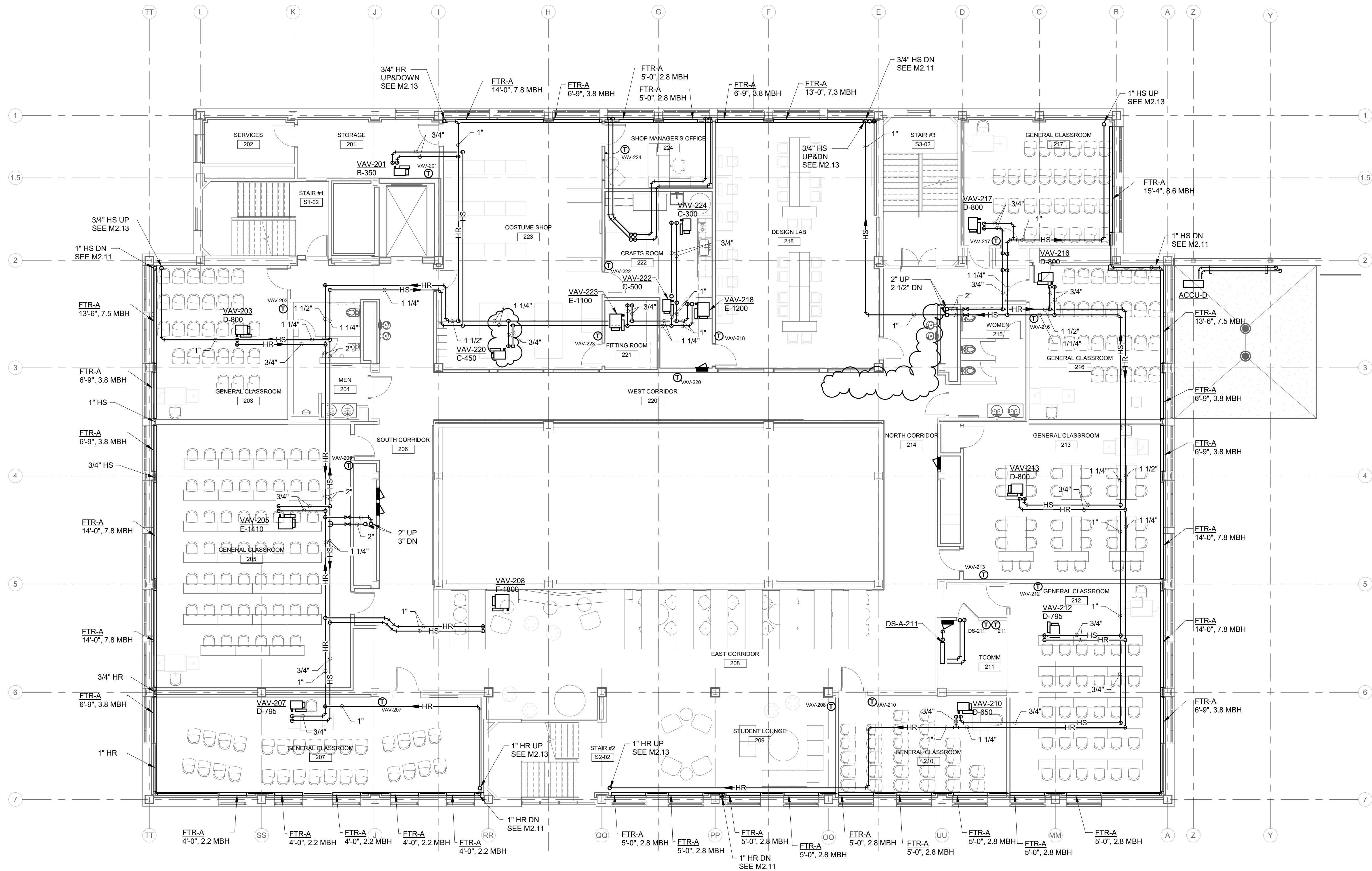
- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES - HYDRONICS:

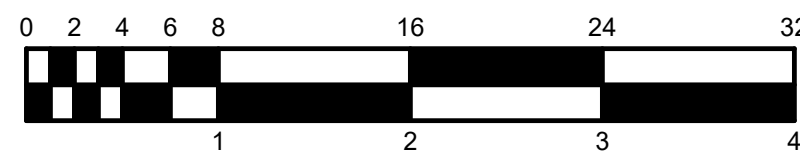
1. SEE ALSO DRAWING PM0.1 AND M2.10 FOR ADDITIONAL GENERAL NOTES.

PLAN NOTES:

1. -



SECOND FLOOR PLAN - HYDRONICS
SCALE: 1/8" = 1'-0"
NORTH



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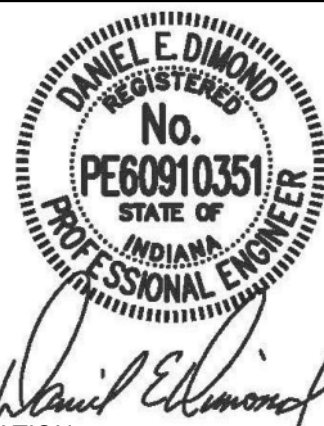
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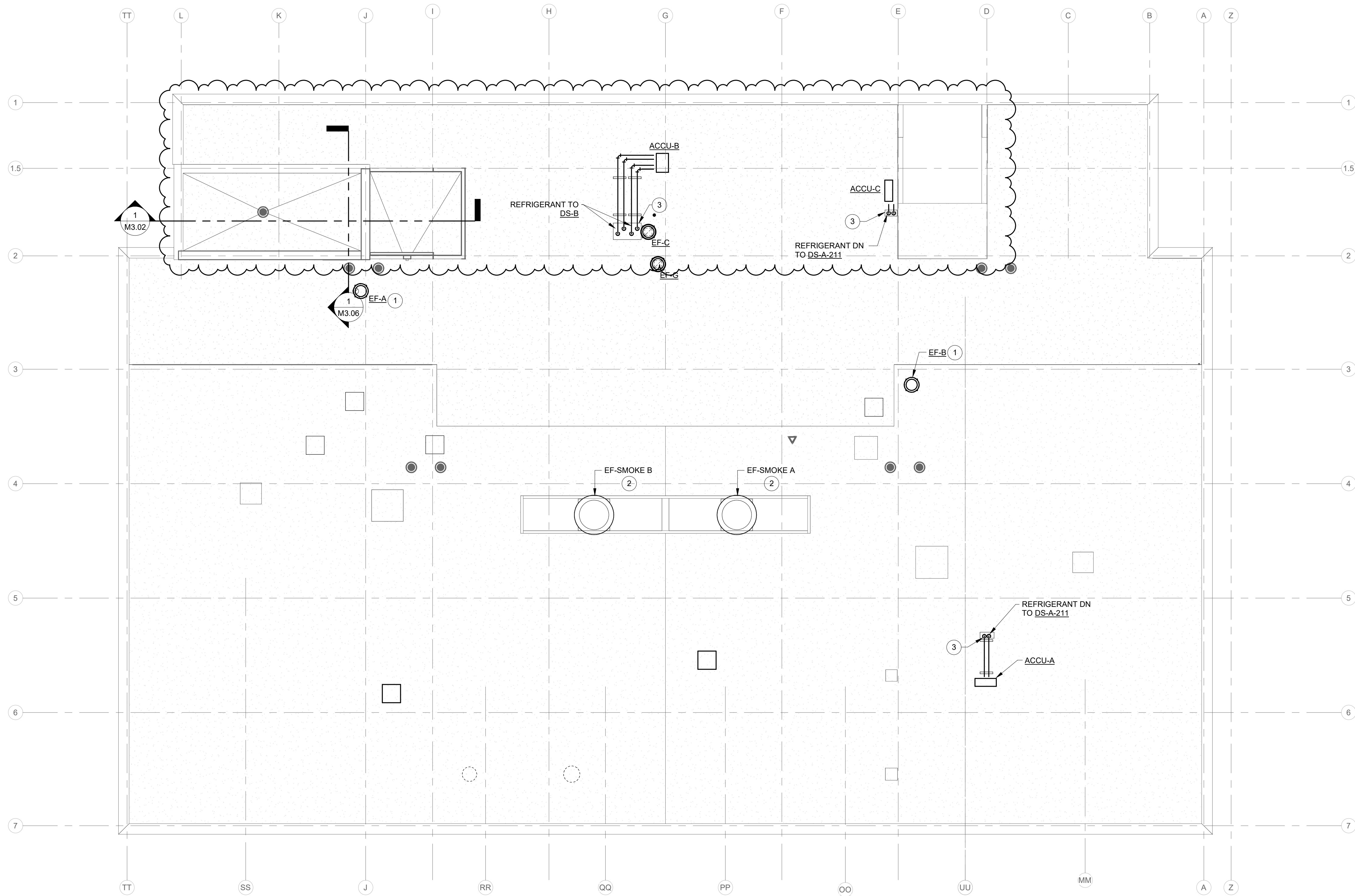
Project No.: 19A052
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Issue Date: 06/05/2020

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Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

SECOND FLOOR PLAN -
HYDRONICS



M2.12

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 **ROOF PLAN - MECHANICAL**
SCALE: 1/8" = 1'-0"
NORTH

RENOVATION LEGEND:

-  WORK TO BE INSTALLED
 WORK TO REMAIN

GENERAL NOTES:

- SEE SHEETS PM.01, M2.00, & M2.10 FOR ADDITIONAL GENERAL NOTES.
- REFER TO A-SERIES DWGS FOR ADDITIONAL ROOF WORK UNDER ALTERNATE BID.

PLAN NOTES:

- INSTALL NEW EXHAUST FAN AND ROOF CURB AT EXISTING ROOF OPENING. MODIFY EXISTING ROOF OPENING, AS REQUIRED.
- EXISTING SMOKE VENTILATION FAN TO REMAIN. GREENHECK MODEL CUBE-420-50-F. VERIFY OPERATION OF FAN. CHECK MOTOR CURRENT. PROVIDE NEW FAN BELTS. FAN STATUS AND REMOTE START STOP BY T.C.C. FANS TO BE INTERLOCKED INTO FIRE ALARM SYSTEM FOR MANUAL ACTIVATION BY USER OR AUTOMATIC ACTIVATION BY FIRE ALARM PANEL. TEST AND BALANCE CONTRACTOR TO RECORD OPERATIONAL AIRFLOWS.
- PROVIDE INSULATED PIPE CHASE HOUSING AND CURB FOR REFRIGERANT PIPING AND POWER. HORIZONTAL PIPING PENETRATIONS INTO CURB. ALTA PRODUCTS LLC OR SIMILAR. PROVIDE CUSHIONED PIPE SUPPORTS FOR ALL REFRIGERANT PIPING AND ROOF EQUIPMENT RAIL SUPPORTS UNDER AIR COOLED CONDENSING UNIT.



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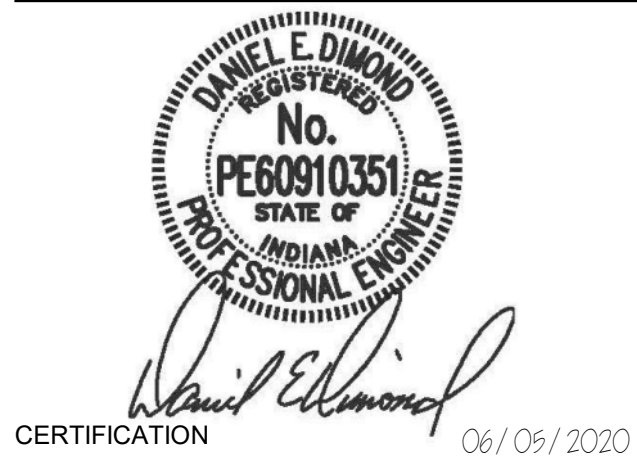
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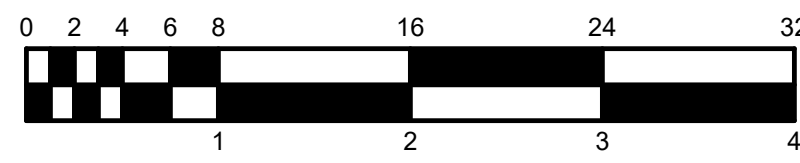
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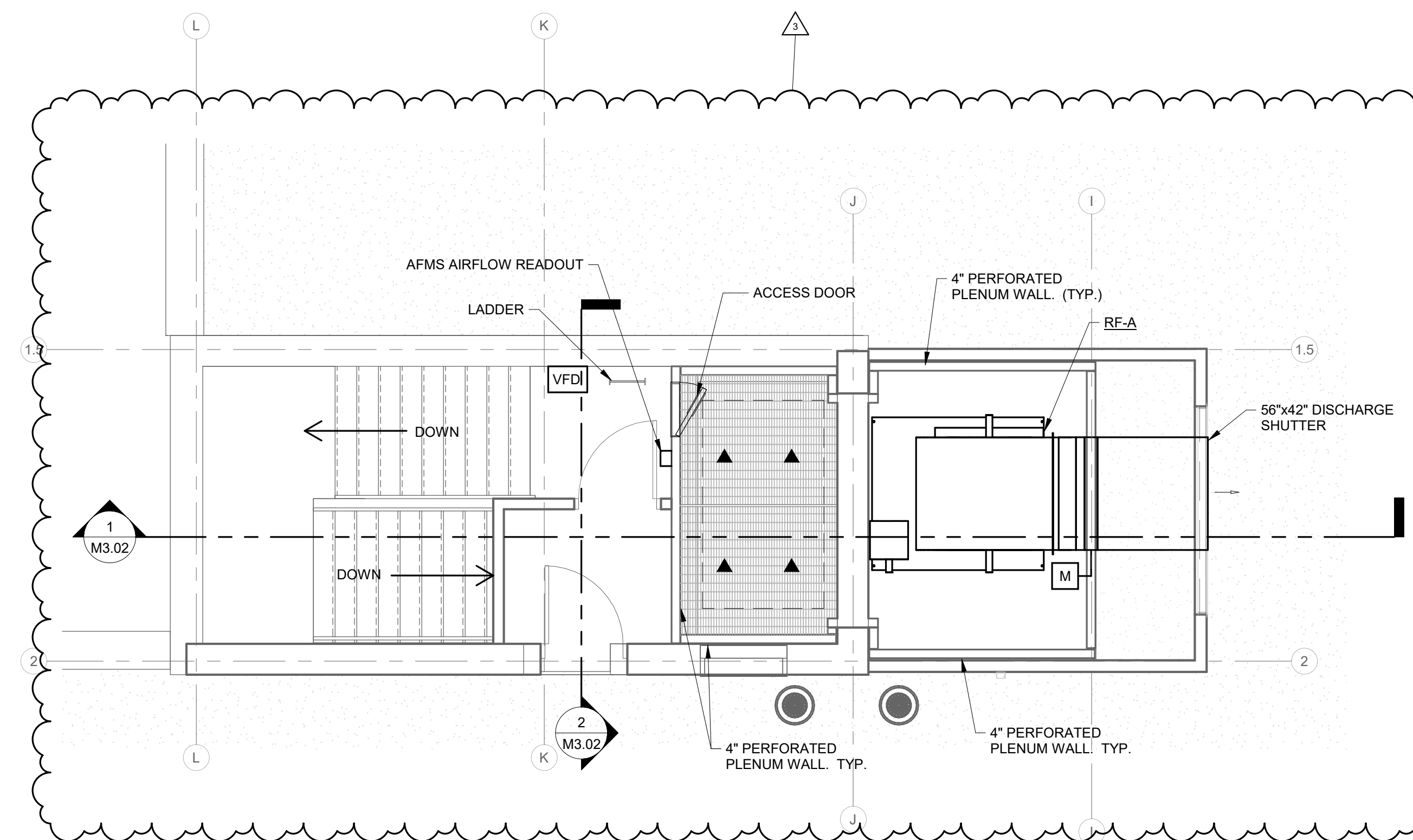
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ROOF PLAN - MECHANICAL

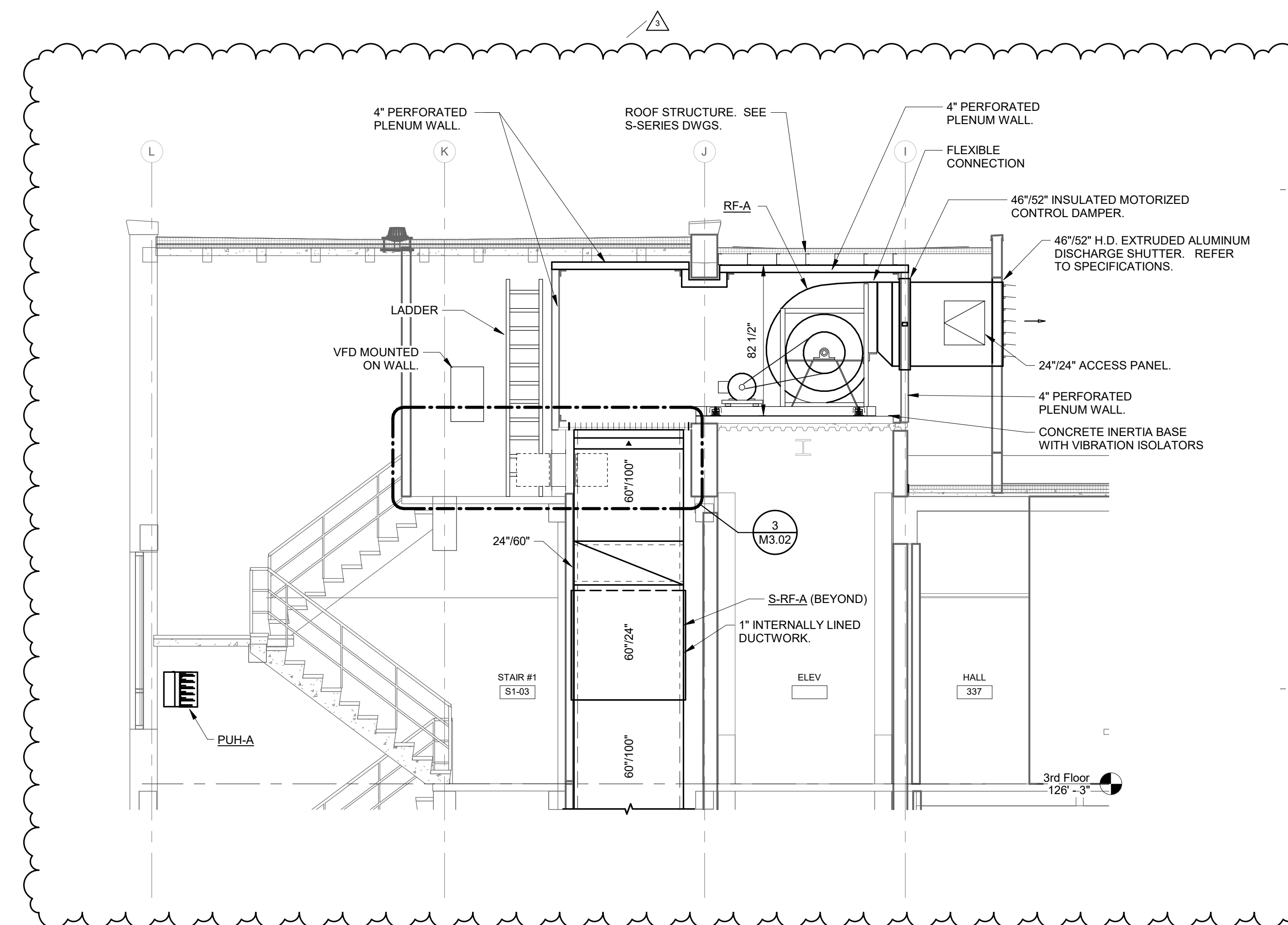
M2.20





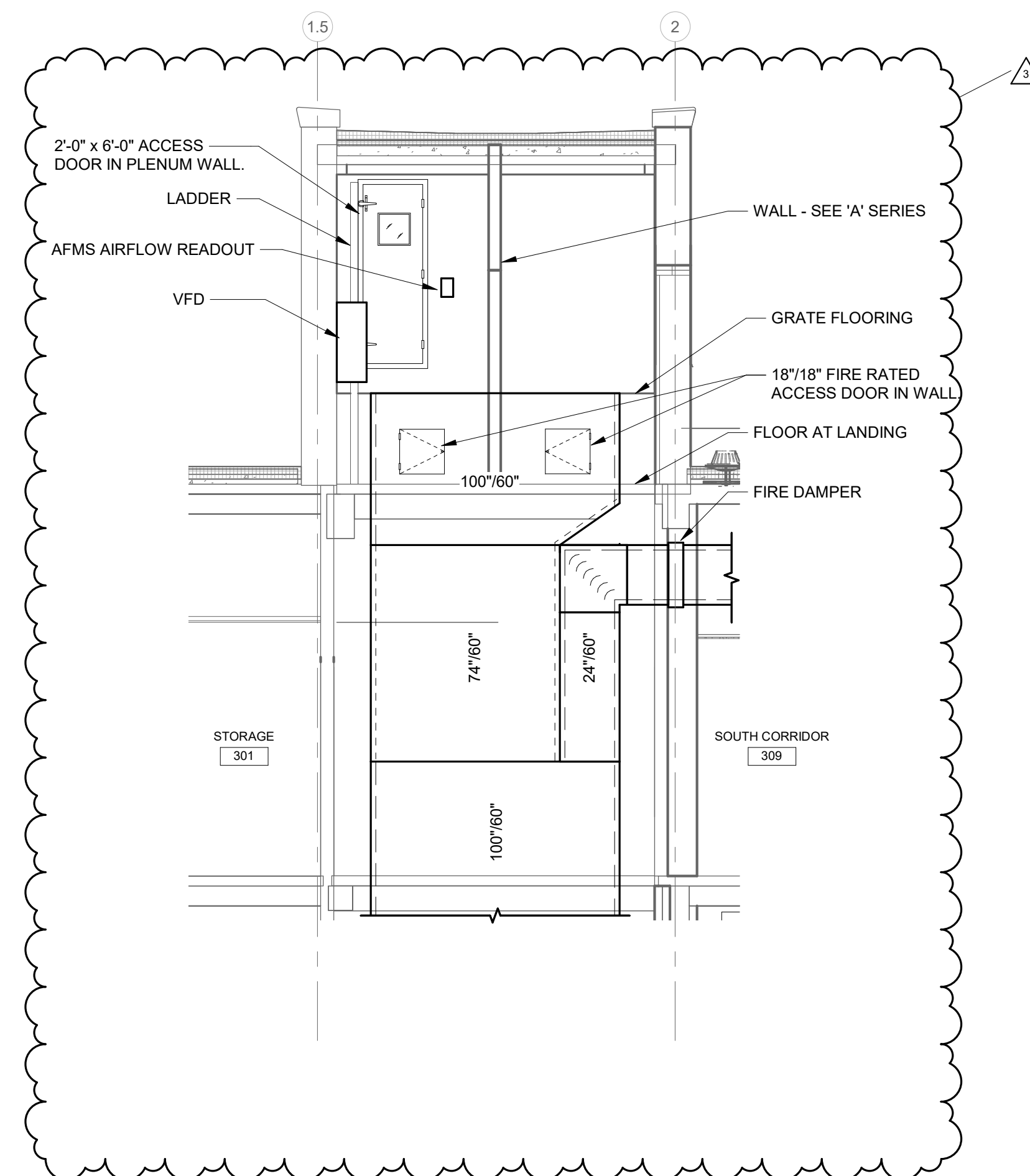
ELEVATOR PENTHOUSE PLAN - ENLARGEMENT

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



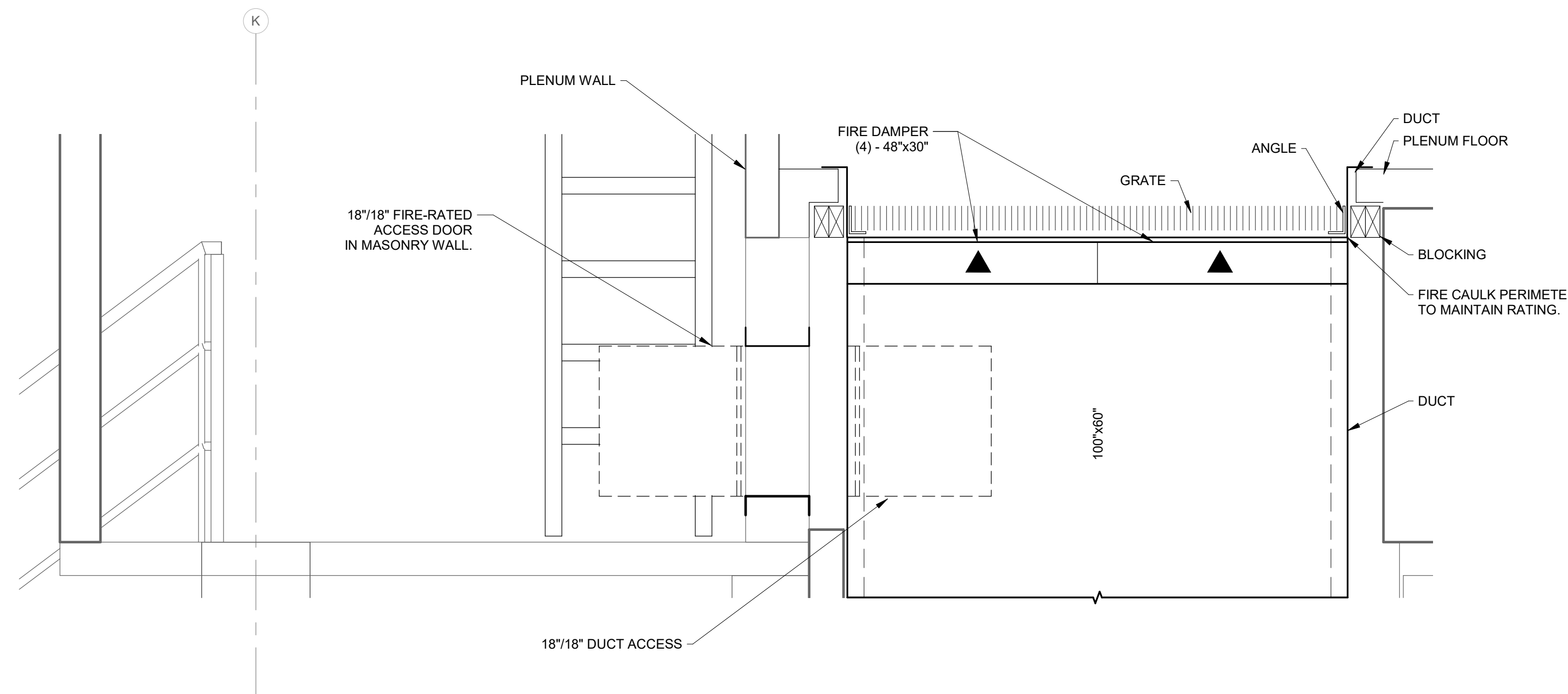
1 ELEVATOR PENTHOUSE SECTION LOOKING WEST

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



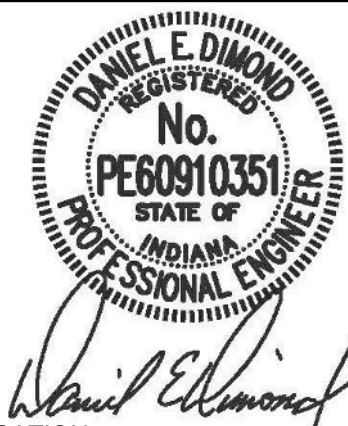
2 ELEVATOR PENTHOUSE SECTION AT STAIRS LOOKING NORTH

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



3 SHAFT DETAIL

SCALE: 1" = 1'-0"



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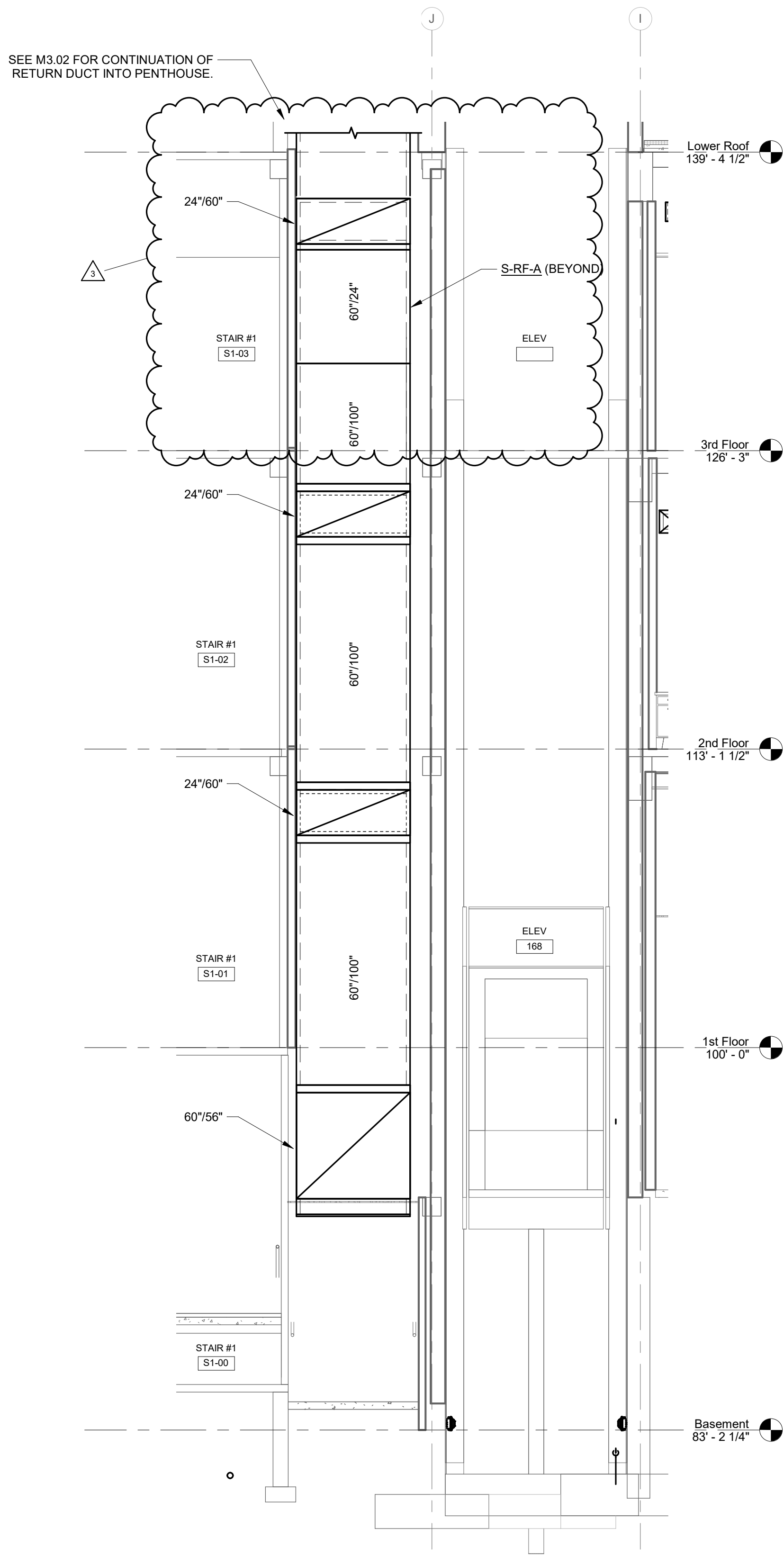
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Drawn By: ACB
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Scale: See Drawing
Issue Date: 06/05/2020

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Rev. #	Revision Description	Issue Date
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**ELEVATOR PENTHOUSE -
AIR DISTRIBUTION**

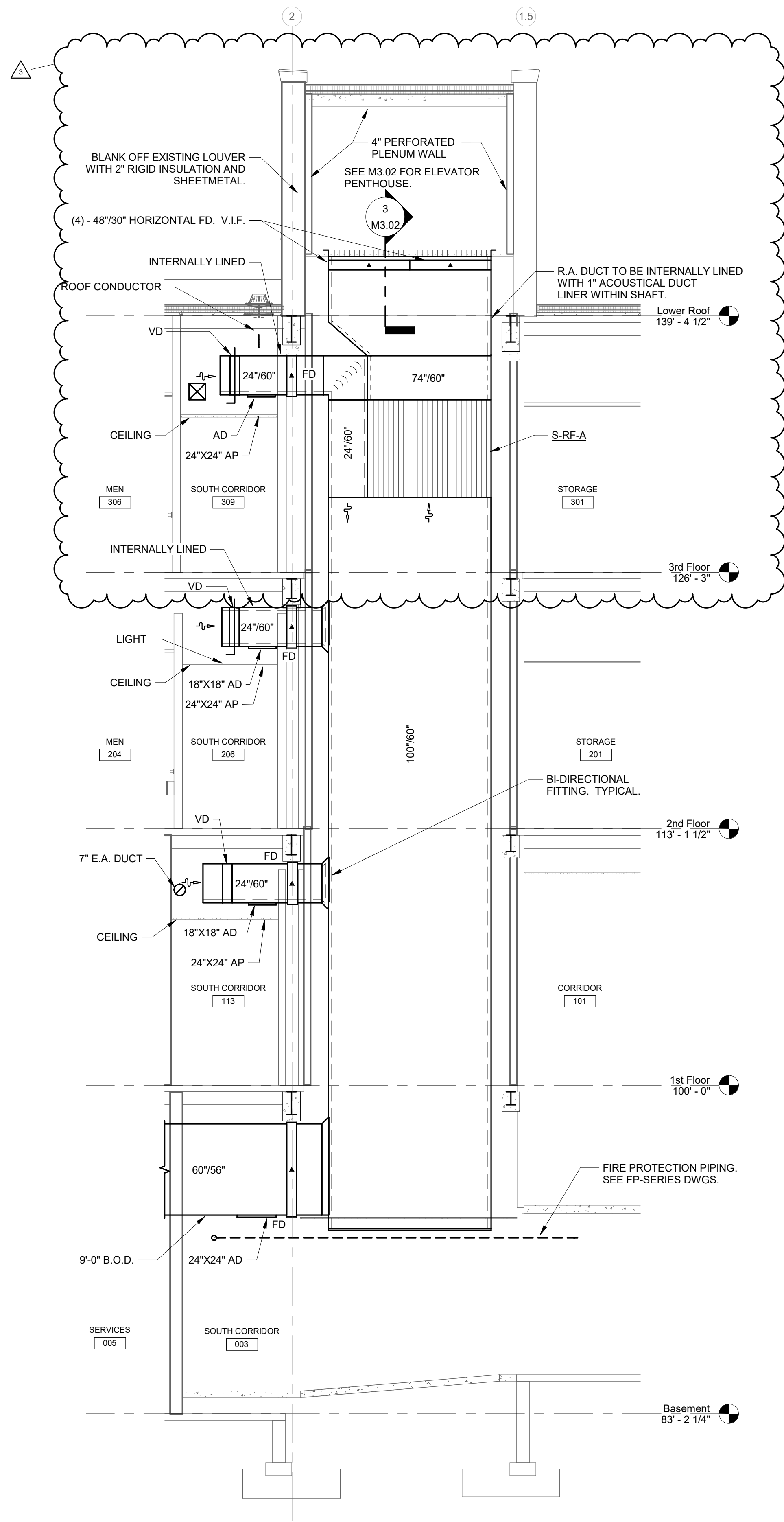
M3.02

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Rev. #	Revision Description	Issue Date
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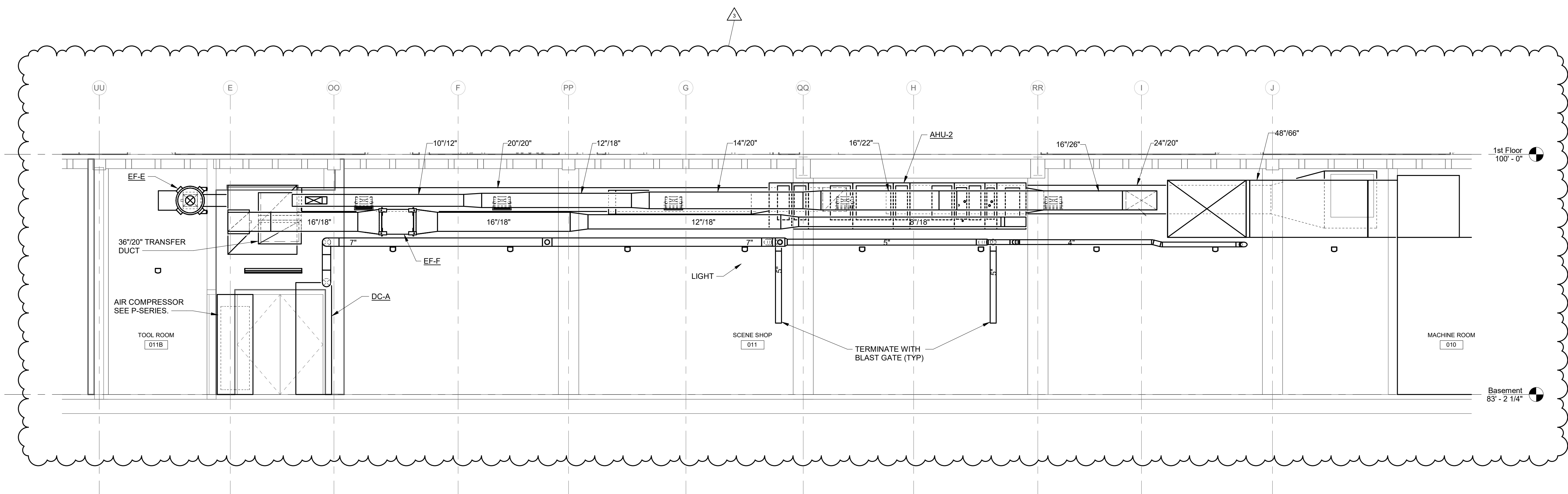
2 RETURN AIR CHASE SECTION-2

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



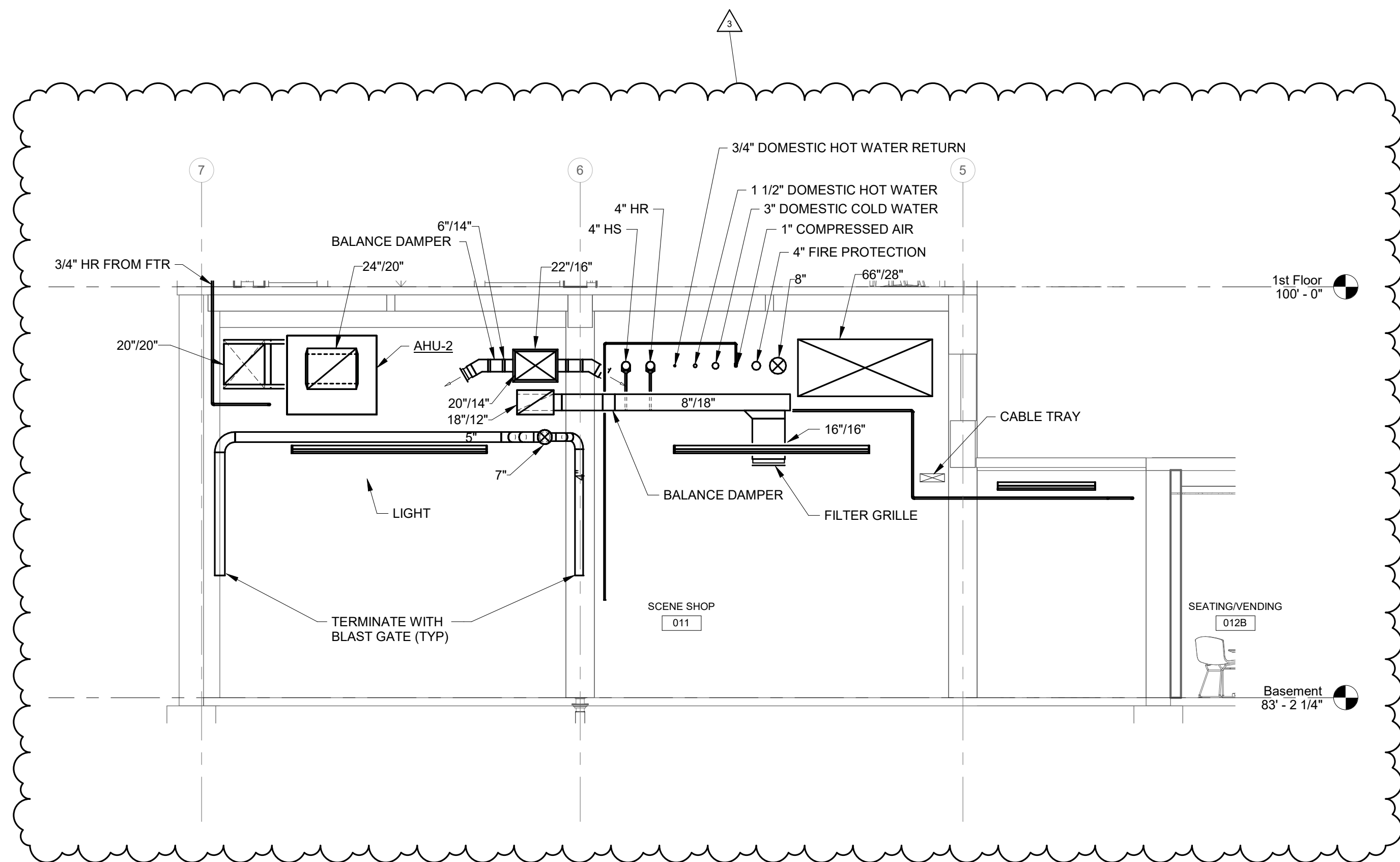
1 RETURN AIR CHASE SECTION-1

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



1 SECTION SCENE SHOP 011 NORTH-SOUTH

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



2 SECTION SCENE SHOP 011 EAST-WEST

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



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SCENE SHOP 001
SECTIONS - AIR
DISTRIBUTION

M3.07

FAN SCHEDULE																		
MARK NO.	SYSTEM SERVED	SPECIFICATION			MANUFACTURER AND MODEL NO.	OPERATING DATA						MOTOR DATA					WEIGHT LBS.	REMARKS
		SECTION	NAME	EQUIPMENT TYPE		CFM	TOTAL S.P.	FRPM	BHP	SONES	DRIVE	HP	VOLTS	PHASE	RPM	VFD		
SF-A	AHU-1 SUPPLY AIR	23 34 16	CENTRIFUGAL HVAC FANS	PLENUM FAN	TWIN CITY 445 EPF	40,000	6.0	974	34.9	OUTLET-62 INLET-50	BELT	60	208	3	1750	Y	2,900	CLASS III FAN, BELT GUARD, MOTOR MOUNT FRAME, SPRING VIBRATION ISOLATION
RF-A	AHU-1 RELIEF AIR	23 34 16	CENTRIFUGAL HVAC FANS	DWID FAN	TWIN CITY BAE DWID 365	40,000	2.0	972	21.8	OUTLET-49 INLET-38	BELT	25	208	3	1800	Y	2,430	CLASS III FAN, BELT GUARD, MOTOR MOUNT FRAME, SPRING ISOLATION INERTIA BASE W/ PAN, INSULATED JACKET
EF-A	SOUTH RESTROOMS	23 34 23	HVAC POWER VENTILATORS	CENTRIFUGAL ROOF VENTILATOR	GREENHECK G-099-VG	750	0.75	1549	0.18	10.1	DIRECT	1/4	115	1	1725	N	40	BELT GUARD, ISOLATORS AND MOUNTING FOR VERTICAL MOUNTING. DISC. SWITCH. CONTROL BY T.C.C.
EF-B	NORTH RESTROOMS	23 34 23	HVAC POWER VENTILATORS	CENTRIFUGAL ROOF VENTILATOR	GREENHECK G-123-VG	1700	1.0	1725	0.48	15.6	DIRECT	1/2	115	1	1725	N	49	ROOF CURB, DISC SW. CONTROL BY T.C.C.
EF-C	DYE-VAT EXHAUST	23 34 23	HVAC POWER VENTILATORS	CENTRIFUGAL ROOF VENTILATOR	GREENHECK CUE-101HP-VG	500	0.75	1732	0.15	9.2	DIRECT	1/2	115	1	2500	N	52	ROOF CURB, WALL SWITCH BY DIV. 26 CONTRACTOR., DISC SW.
EF-D	LOBBY RESTROOMS	23 34 23	HVAC POWER VENTILATORS	CENTRIFUGAL ROOF VENTILATOR	GREENHECK G-103-VG	700	0.5	1401	0.15	7.8	DIRECT	1/3	115	1	1725	N	40	ROOF CURB, CONTROL BY TCC., DISC SW.
EF-E	WELDING EXHAUST	23 34 23	HVAC POWER VENTILATORS	MIXED FLOW INLINE	GREENHECK QEI-9-II	800	1.75	2036	0.47	7.2	BELT	1/2	115	1	1725	N	170	EXPLOSION PROOF. WALL SWITCH BY DIV. 26 CONTRACTOR.
EF-F	SCENE SHOP EXHAUST	23 34 23	HVAC POWER VENTILATORS	MIXED FLOW INLINE	GREENHECK QEI-9-II	1,500	1.5	2578	0.79	8.8	BELT	1	208	3	1725	N	-	EXPLOSION PROOF. TWO SPEED MOTOR. WALL SWITCH BY DIV. 26 CONTRACTOR.
EF-G	DESIGN LAB EXHAUST	23 34 23	HVAC POWER VENTILATORS	CENTRIFUGAL UPBLAST ROOF VENTILATOR	GREENHECK CUE-099-VG	800	0.75	1626	0.2	10.0	DIRECT	1/4	115	1	1725	N	39	UPBLAST CENTRIFUGAL ROOF EXHAUST FAN. WALL SWITCH BY DIV. 26 CONTRACTOR
DBF-A	DRYER BOOSTER FAN	23 34 23	HVAC POWER VENTILATORS	INLINE BOOSTER	FANTECH DBF-4XL DRYER EXHAUST FAN	188	-	2175	-	-	DIRECT	1	120	1	2175	N	-	-
DC-A	SCENE SHOP DUST COLLECTOR	23 34 23	HVAC POWER VENTILATORS	DUST COLLECTORS	ONEIDA AIR SYSTEMS DUST GORILLA PRO #XGK050035W	1,625	3.0"	-	-	-	DIRECT	5	208	1	4000	N	-	REMOTE STARTER WITH PUSH BUTTON ON/OFF SWITCH AND RF KEYFOB. STACKING SOUND FILTER: 80-82 dBA @ 10 ft

VARIABLE AIR VOLUME BOX SCHEDULE WITH HEAT (HOT WATER)																		
MARK NO.	DRAWING NAME &/OR PURPOSE	SPECIFICATION			MANUFACTURE R & MODEL NO.	INLET DIA (IN.)	CLG CFM RANGE (*4)	HTG CFM	MAX APD THRU BOX AND COIL	INLET SP (IN. W.G.)	HEATING DATA (*1)							REMARKS
		SECTION	NAME	EQUIP TYPE							MBH (*2)	EAT	LAT	EWT	LWT	GPM	WPD	
VAV-A	VAV BOX ZONE	23 36 00	AIR TERMINAL UNITS	VAV WITH HYDRONIC HEATING COIL	PRICE MODEL SDV5	6"ø	0-360	250	0.50"	1.00"	12.60	55 °F	100 °F	180 °F	140.00 °F	0.60	0.10	TWO-ROW COIL
VAV-B	VAV BOX ZONE	23 36 00	AIR TERMINAL UNITS	VAV WITH HYDRONIC HEATING COIL	PRICE MODEL SDV5	8"ø	361-640	450	0.50"	1.00"	20.10	55 °F	97 °F	180 °F	140.00 °F	1.10	0.30	TWO-ROW COIL
VAV-C	VAV BOX ZONE	23 36 00	AIR TERMINAL UNITS	VAV WITH HYDRONIC HEATING COIL	PRICE MODEL SDV5	10"ø	641-945	660	0.50"	1.00"	33.90	55 °F	97 °F	180 °F	140.00 °F	1.80	0.90	TWO-ROW COIL
VAV-D	VAV BOX ZONE	23 36 00	AIR TERMINAL UNITS	VAV WITH HYDRONIC HEATING COIL	PRICE MODEL SDV5	12"ø	946-1350	945	0.50"	1.00"	42.20	55 °F	101 °F	180 °F	140.00 °F	2.50	1.80	TWO-ROW COIL
VAV-E	VAV BOX ZONE	23 36 00	AIR TERMINAL UNITS	VAV WITH HYDRONIC HEATING COIL	PRICE MODEL SDV5	14"ø	1351-2000	1400	0.50"	1.00"	62.50	55 °F	100 °F	180 °F	140.00 °F	3.60	1.90	TWO-ROW COIL
VAV-F	VAV BOX ZONE	23 36 00	AIR TERMINAL UNITS	VAV WITH HYDRONIC HEATING COIL	PRICE MODEL SDV5	16"ø	2001-2400	1680	0.50"	1.50"	75.00	55 °F	101 °F	180 °F	140.00 °F	4.50	2.90	TWO-ROW COIL
VAV-G	VAV BOX ZONE	23 36 00	AIR TERMINAL UNITS	VAV WITH HYDRONIC HEATING COIL	PRICE MODEL SDV5	24"x16"	2401-4000	2800	0.55"	1.00"	118.80	55 °F	103 °F	180 °F	140.00 °F	7.30	8.30	TWO-ROW COIL
NOTES:																		
① HEATING DATA RUN AT 75% OF VAV BOX MAXIMUM CFM. COIL AIR PRESSURE DROPS ARE AT FULL VAV BOX CFM.																		

DUCT SILENCER SCHEDULE																				
MARK NO	AREA / EQUIPMENT SERVED	SPECIFICATION			MANUFACTURER & MODEL NO	CFM	DIMENSIONS			MAX FACE VELOCITY (FFM)	MAX APD (IN)	MIN DYNAMIC INSERTION LOSS (dB)								REMARKS
		SECTION	NAME	EQUIPMENT TYPE			WIDTH	HEIGHT	LENGTH			63 HZ	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	8000 HZ	
S-A	SEE PLANS	23 33 00	AIR ACCESSORIES DUCT SILENCER	RECTANGULAR	RUSKIN A-120	100-250	6"	12"	36"	750	0.20	10	23	49	56	58	59	55	30	SEE PLANS FOR ALL LOCATIONS
S-RF-A	AHU-1 RELIEF AIR	23 33 00	AIR ACCESSORIES DUCT SILENCER	RECTANGULAR	RUSKIN MLF-60	40,000	56"	92"	60"	800	0.21	5	14	21	30	35	23	20	14	
S-115-1	THEATER 115	23 33 00	AIR ACCESSORIES DUCT SILENCER	ELBOW	RUSKIN ELBSP5	2,400	24"	18"	2'-6" UP x 2'-6" DN	800	0.30	5	14	21	31	32	28	25	21	
S-115-2	THEATER 115	23 33 00	AIR ACCESSORIES DUCT SILENCER	ELBOW	RUSKIN ELBSP5	2,400	24"	18"	2'-6" UP x 2'-6" DN	800	0.30	5	14	21	31	32	28	25	21	
S-333-1	TV STUDIO 333	23 33 00	AIR ACCESSORIES DUCT SILENCER	RECTANGULAR	RUSKIN MLF-84	1,130	20"	16"	84"	600	0.20	7	19	30	40	46	30	24	17	
S-333-2	TV STUDIO 333	23 33 00	AIR ACCESSORIES DUCT SILENCER	RECTANGULAR	RUSKIN MLF-84	1,130	20"	16"	84"	600	0.20	7	19	30	40	46	30	24	17	

EXHAUST/RETURN REGISTER SCHEDULE					
MARK NO.	NOMINAL GRILLE SIZE	MAX N.C.	MAX ΔP	CFM RANGE	REMARKS
0-200	8/8	.25	.1	0-200	-
225-450	12/12	.25	.1	225-450	-
455-800	16/16	.25	.1	455-800	-
805-1050	20/20	.25	.1	805-1050	-
1055-1400	24/24	.25	.1	1055-1400	-

PLENUM RETURN GRILLE SCHEDULE					
MARK NO.	GRILLE SIZE	CFM RANGE	DUCTED ELBOW SIZE	'X' DIMEN.	REMARKS
24/12	24/12	0-500	24/8	18"	
24/24	24/24	501-900	24/12	24"	
48/24	48/24	901-1500	48/12	48"	

NOTES:

- INSIDE OF DUCT TO BE BLACK.
- DUCT SUPPORTED FROM STRUCTURE, NOT CEILING GRID.

CEILING DIFFUSER SCHEDULE							
MARK NO.	SPECIFICATION NAME	MANUFACTURER AND MODEL NO.	CFM RANGE	MAX. N.C.	NECK DIA.	FACE SIZE	CEILING MODULE SIZE
60 - 135	SQARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	100 - 135	15	6"	12/12	24/24
140 - 205	SQARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	140 - 205	18	8"	12/12	24/24
210 - 245	SQARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	210 - 245	19	8"	24/24	24/24
250 - 325	SQARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	250 - 325	19	10"	24/24	24/24
330 - 475	SQARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	330 - 475	19	12"	24/24	24/24
480 - 645	SQARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	480 - 645	18	14"	24/24	24/24
650 - 735	SQARE CEILING DIFFUSER	PRICE SCDA OR EQUAL	650 - 735	18	15"	24/24	24/24

TRANSFER DUCT SCHEDULE				
PLAN CALL OUT	TRANSFER DUCT SIZE	CFM RANGE	'X' DIMENSION	'Y' DIMENSION
AA	10"/10"	0-200	12"	0"
BB	14"/12"	205-325	12"	0"
CC	16"/16"	330-500	18"	0"
DD	20"/20"	505-800	18"	6"
EE	24"/22"	805-1000	18"	12"
FF	28"/24"	1005-1250	24"	12"
GG	28"/26"	1255-1500	28"	12"
HH	30"/18"	805-1000	36"	14"
JJ	38"/14"	805-1000	48"	18"
KK	46"/12"	900-1100	60"	24"



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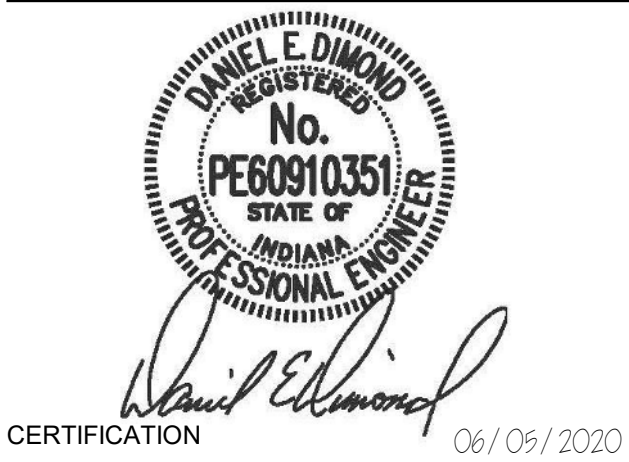
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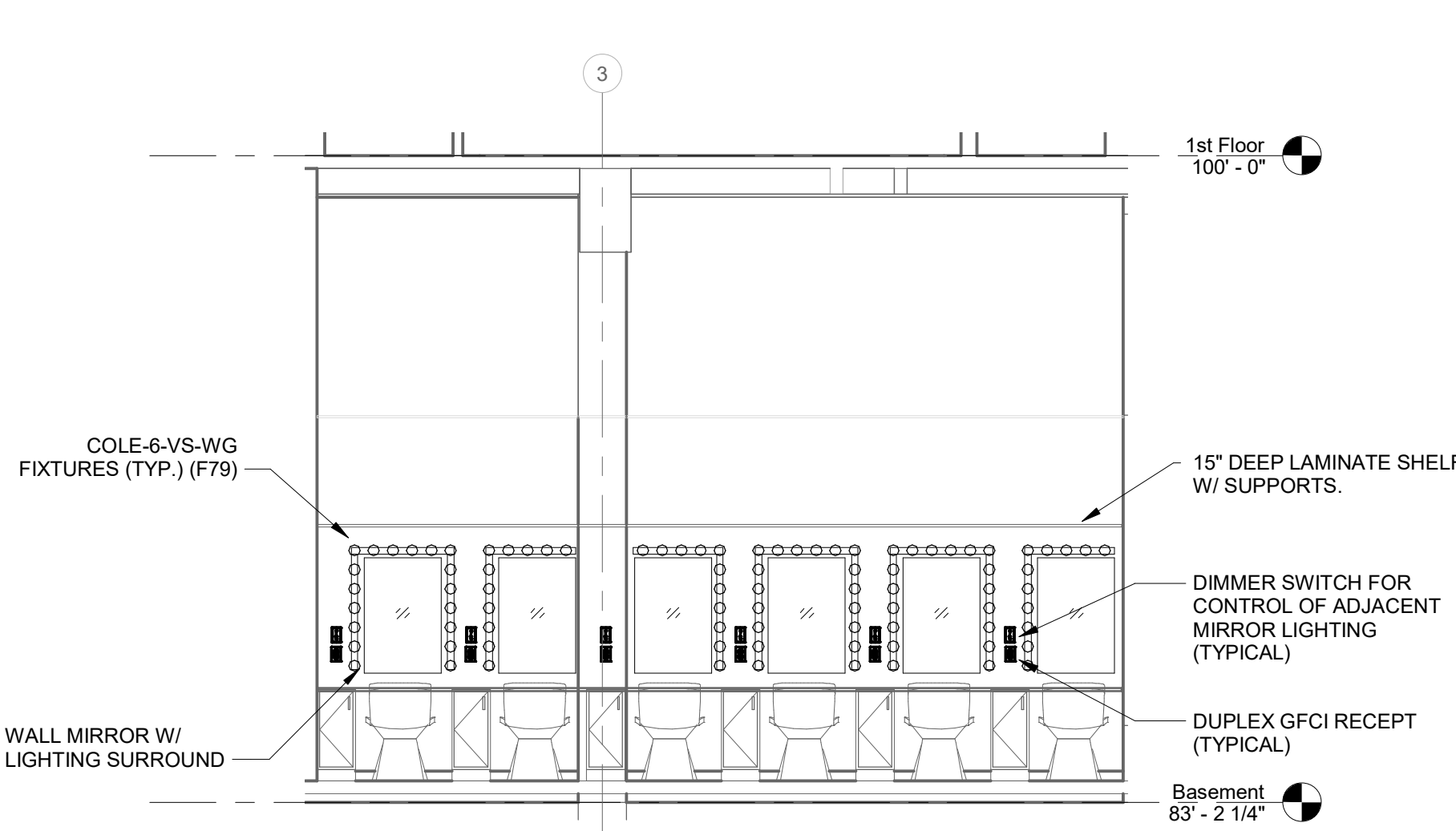
221 North 6th Street
Terre Haute, IN 47809

Project No.: 19A052
Drawn By: ACB
Checked By: MUE
Scale: See Drawing
Issue Date: 06/05/2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

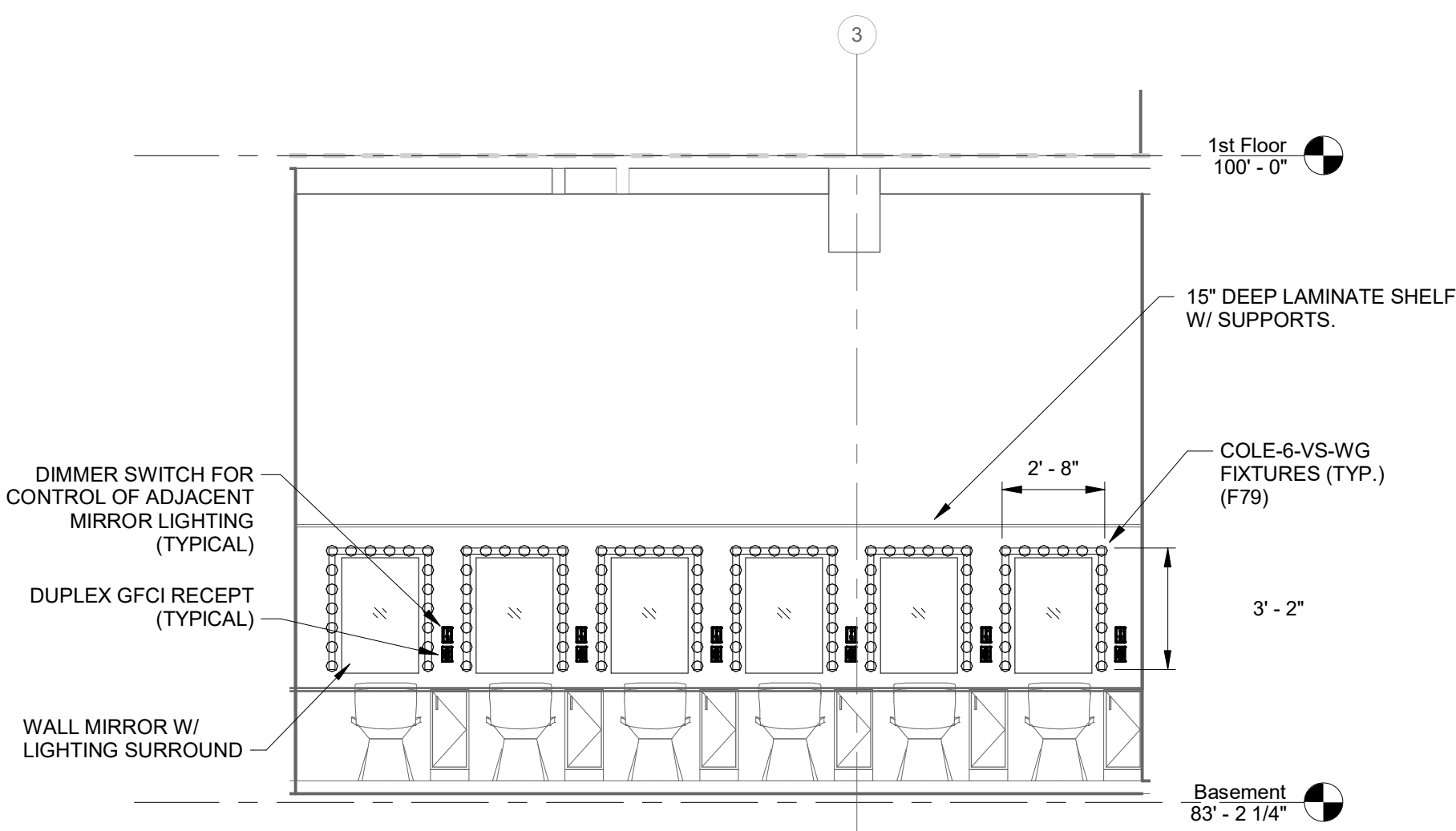
SCHEDULES - AIR
DISTRIBUTION

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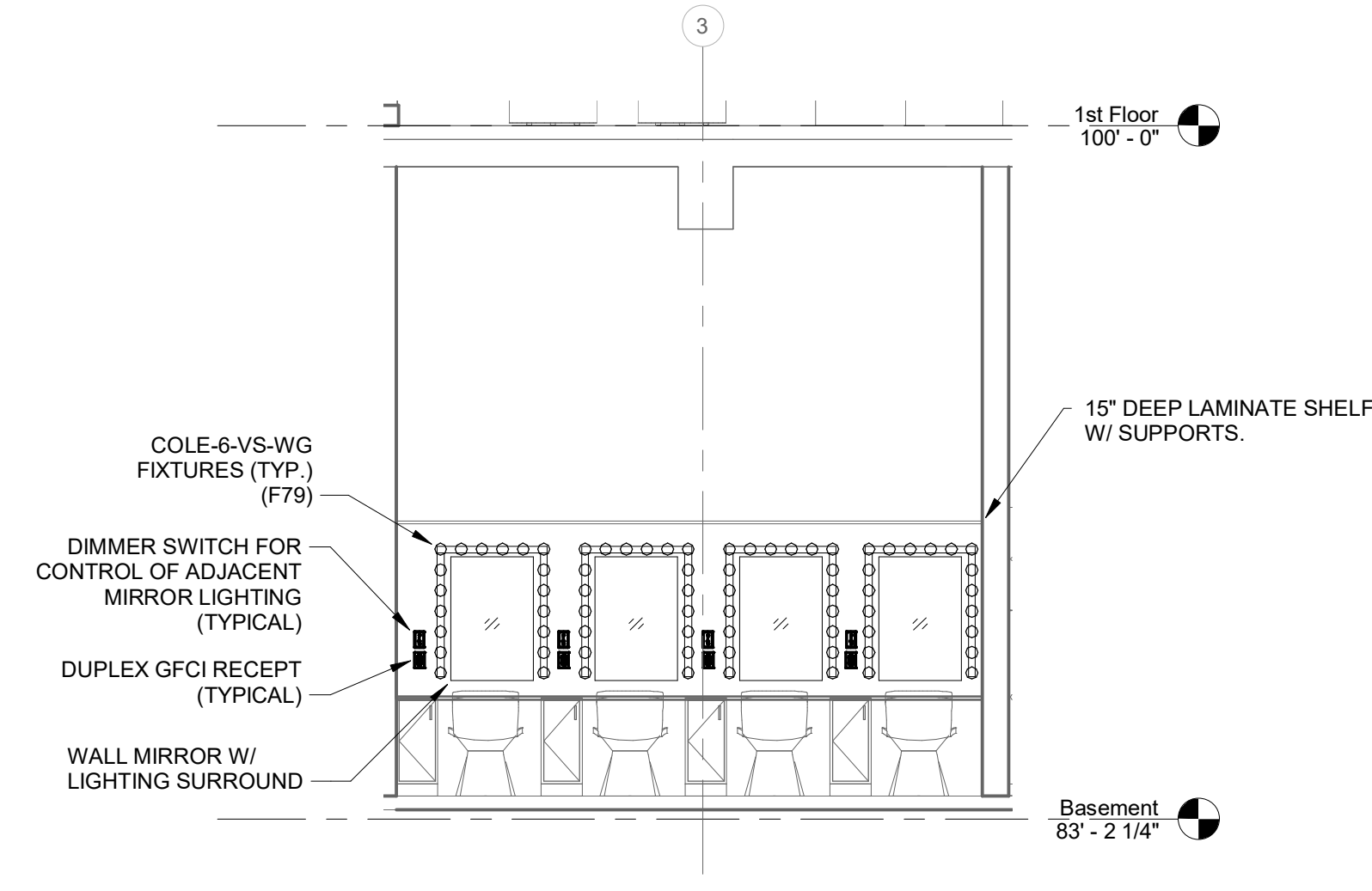
1 MAKEUP MIRROR #1 - ELEVATION

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



2 MAKEUP MIRROR #2 - ELEVATION

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



3 MAKEUP MIRROR #3 - ELEVATION

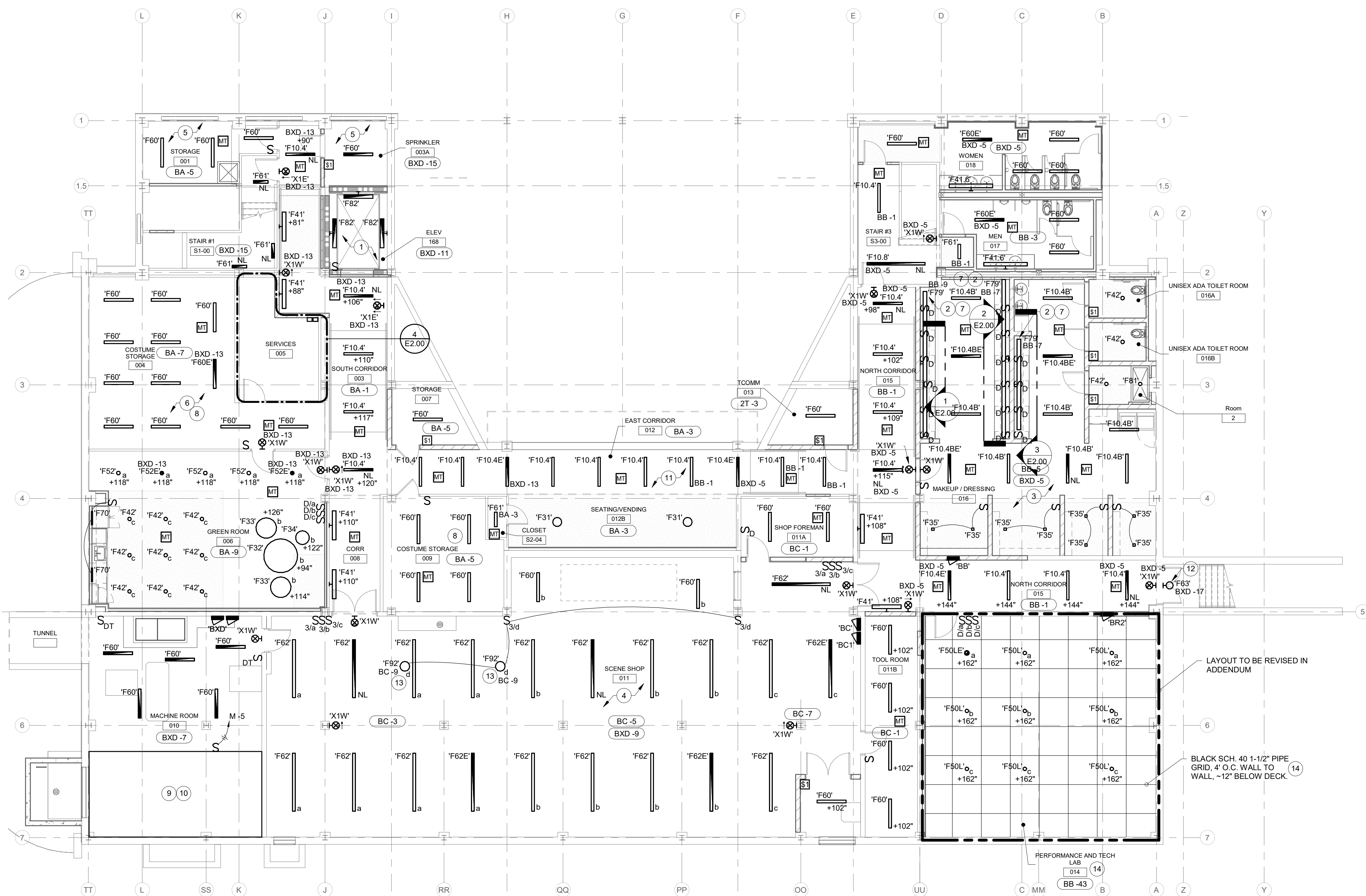
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RENOVATION LEGEND:

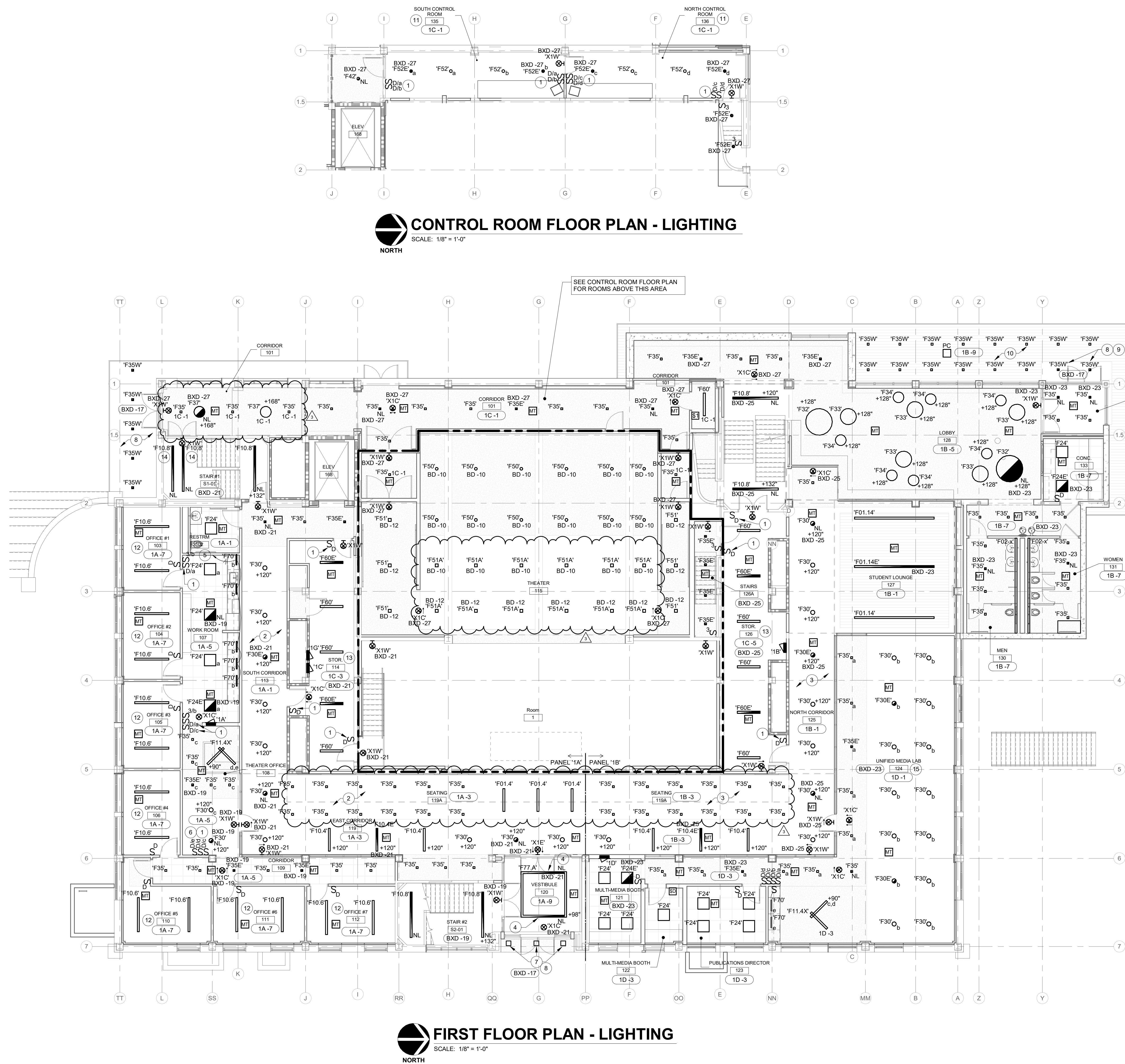
- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- SEE E0.1 FOR GENERAL NOTES.
- PROVIDE AT LEAST THREE TYPE 'F82' FIXTURES IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH EQUIPMENT. PROVIDE ADDITIONAL FIXTURES AS REQUIRED TO MAINTAIN 10 FOOTCANDLES MINIMUM THE ENTIRE PIT. PROVIDE LIGHT SWITCH AT LADDER FOR CONTROL OF LIGHTS IN PIT. COORDINATE WITH ELEVATOR INSTALLER.
- MAKEUP MIRROR LIGHTING. SEE ELEVATIONS ON THIS DRAWING FOR LOCATION AND QUANTITY OF LIGHTS. COORDINATE EXACT SIZE AND QUANTITY WITH ARCHITECTURAL ELEVATIONS AND MIRROR SPECIFICATIONS PRIOR TO ORDERING.
- SUSPENDED FIXTURES TO BE MOUNTED AT 11'-7" AFF IN THIS AREA.
- SUSPENDED FIXTURES TO BE MOUNTED AT 7'-10" AFF.
- SUSPENDED FIXTURES TO BE MOUNTED AT 10'-0" AFF.
- MAKEUP MIRROR LIGHTING TO BE WIRED THROUGH CONTACTORS. SEE DRAWING E2.10 FOR DETAILS.
- COORDINATE LIGHT FIXTURE LOCATIONS WITH SHELVING UNITS.
- PROVIDE (2) ADDITIONAL 'F60' LIGHT FIXTURES AND INSTALL AS DIRECTED.
- PROVIDE (8) JELLY JAR VAPORTIGHT SURFACE MOUNTED LIGHTS IN AHU-1 AND LOCATE AS DIRECTED BY MECHANICAL ENGINEER AND CONTRACTOR. WIRE TO A LIGHT SWITCH MOUNTED ON SIDE OF UNIT. PROVIDE 120V CIRCUIT INDICATED.
- SUSPENDED FIXTURES TO BE MOUNTED AT 8'-0" AFF.
- LIGHT FIXTURE TO BE CONTROLLED THROUGH PHOTOCELL. COORDINATE EXACT LOCATION OF PHOTOCELL WITH ENGINEER PRIOR TO ROUGH-IN.
- COORDINATE LOCATION OF SCOOP LIGHTING WITH OWNER AND PAINT TABLE.
- PIPE GRID SHALL BE STEEL PIPE AND SHALL BE PART OF ALTERNATE #4. LIGHTING SHOWN SHALL BE BASE BID.
- EMERGENCY SENSING EQUIPMENT FOR THEATER HOUSE LIGHTING. SEE RISER ON DRAWING E7.14 AND PANELBOARD SCHEDULES FOR 'BXD' AND 'BD' FOR CIRCUITS.



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RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- SEE E0.1 FOR GENERAL NOTES.

PLAN NOTES:

- PROVIDE MULTI-LOCATION DIMMERS.
- INTERLOCK OCCUPANCY SENSORS TOGETHER TO CONTROL LIGHTS IN CORRIDOR AND SEATING ON CIRCUIT 1A-1 AND 1A-3.
- INTERLOCK OCCUPANCY SENSORS TOGETHER TO CONTROL LIGHTS IN CORRIDOR AND SEATING ON CIRCUIT 1B-1 AND 1B-3.
- CONNECT PORTION OF LIGHT FIXTURE TO EMERGENCY CIRCUIT. PROVIDE ALCR TRANSFER DEVICE.
- UNDERCOUNTER LIGHTING TO BE CONTROLLED BY OVERHEAD LIGHTING CONTROL OCCUPANCY SENSOR.
- DIMMER d CONTROLS DOWNLIGHT AND DIMMER e CONTROLS UPLIGHT.
- (3) - EXISTING RECESSED CANOPY LIGHTS - REFINISH DOOR AND FRAME AND REPLACE LAMP WITH LED 'A' LAMP. REWIRE TO EMERGENCY CIRCUIT AND CONTROL WITH PHOTOCELL.
- EXTERIOR LIGHT FIXTURES TO BE CONTROLLED THROUGH PHOTOCELL. COORDINATE EXACT LOCATION OF PHOTOCELL WITH ENGINEER PRIOR TO ROUGH-IN.
- MOUNT LIGHT FIXTURES AS INDICATED IN LOWER CANOPY.
- PROVIDE 120V NORMAL CIRCUIT TO (14) 'F35W' DOWNLIGHTS IN UPPER CANOPY. WIRE THROUGH PHOTOCELL. COORDINATE EXACT LOCATION OF PHOTOCELL WITH ENGINEER PRIOR TO ROUGH-IN.
- LIGHTING TO BE MOUNTED AT 8'-2" TO BOTTOM OF FIXTURES IN THIS AREA.
- LIGHTING TO BE MOUNTED AT 10'-6" TO BOTTOM OF FIXTURES IN THIS AREA.
- LIGHTING TO BE MOUNTED AT 8'-0" TO BOTTOM OF FIXTURES IN THIS AREA.
- MOUNT ONE LIGHT AT 11'-0" ABOVE SW ENTRY LEVEL LANDING AND ONE LIGHT AT 11'-0" ABOVE INTERMEDIATE LANDING BETWEEN FLOORS 1 AND 2.
- PENDANT FIXTURES IN THIS AREA TO BE MOUNTED AT 10'-0" AFF UNLESS OTHERWISE NOTED.



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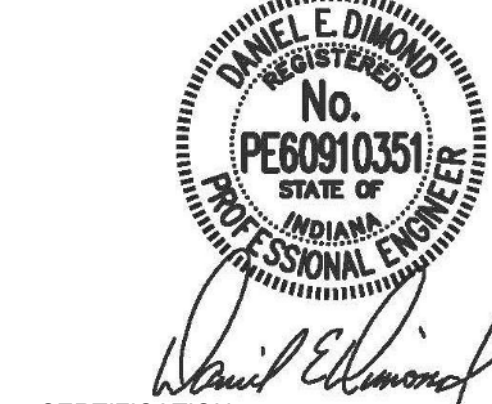
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CERTIFICATION 06/09/2020

100% CONSTRUCTION
DOCUMENTS

Indiana State University -
Dreiser Hall Renovation

221 North 6th Street
Terre Haute, IN 47809

Project No.: 19A052
Drawn By: JPS
Checked By: TEH
Scale: See Drawing
Issue Date: 06/05/2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
2	ADDENDUM #2	2020-06-19
3	ADDENDUM #3	2020-06-26

FIRST FLOOR PLAN -
LIGHTING

E2.01

1. PROVIDE MULTILLOCATION DIMMERS.
2. INTERLOCK OCCUPANCY SENSORS TOGETHER TO CONTROL LIGHTS IN CORRIDOR AND SEATING ON CIRCUIT 2A-1 AND 2A-3.
3. INTERLOCK OCCUPANCY SENSORS TOGETHER TO CONTROL LIGHTS IN CORRIDOR AND SEATING ON CIRCUIT 2B-1 AND 2B-3.
4. CONNECT PORTION OF LIGHT FIXTURE TO EMERGENCY CIRCUIT. PROVIDE AUTOMATIC LOAD CONTROL RELAY TRANSFER DEVICE.
5. EXISTING LIGHT FIXTURES AND OCCUPANCY SENSOR TO REMAIN. PROVIDE WIRING AND CONTROLS REQUIRED TO RE-CONNECT FIXTURES TO CIRCUIT INDICATED.
6. CONNECT ONE EXISTING LIGHT FIXTURE TO EMERGENCY CIRCUIT. PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).



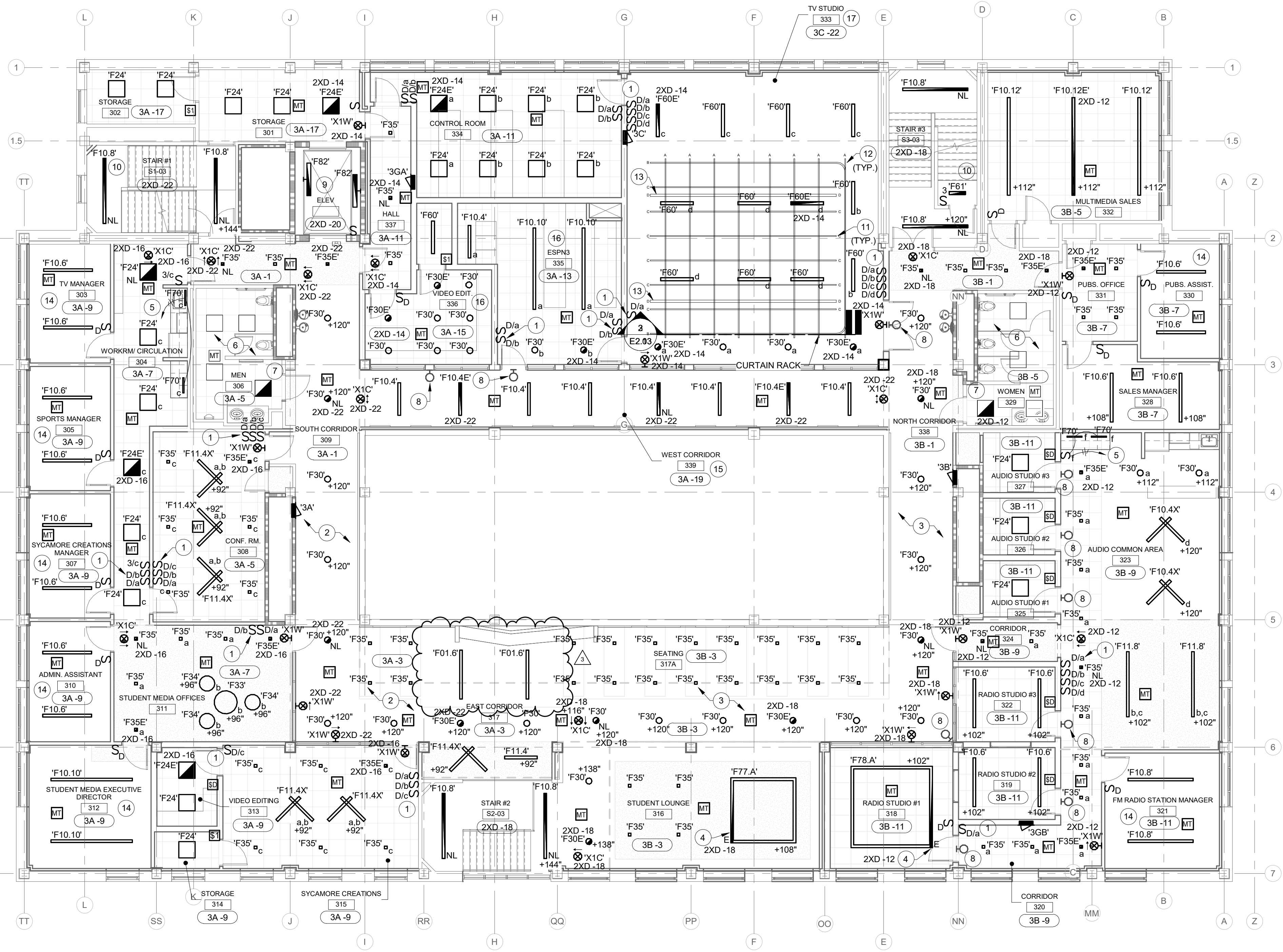
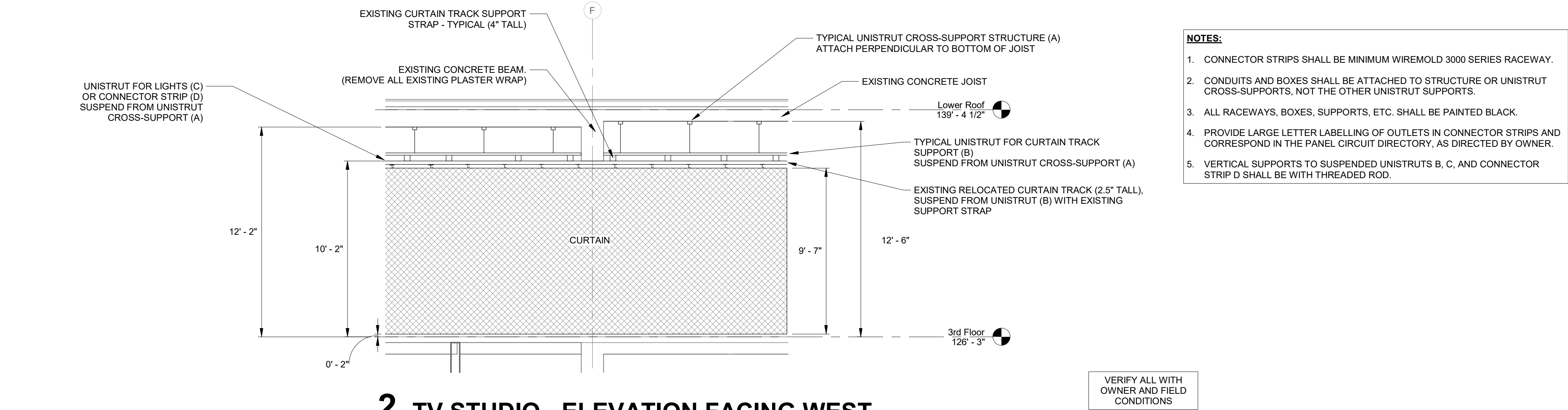
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REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020-06-26

E2.02

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THIRD FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES:

- SEE E01 FOR GENERAL NOTES.

PLAN NOTES:

- PROVIDE MULTI-LOCATION DIMMERS.
- INTERLOCK OCCUPANCY SENSORS TOGETHER TO CONTROL LIGHTS IN CORRIDOR AND SEATING ON CIRCUIT 3A-1 AND 3A-3.
- INTERLOCK OCCUPANCY SENSORS TOGETHER TO CONTROL LIGHTS IN CORRIDOR AND SEATING ON CIRCUIT 3B-1 AND 3B-3.
- CONNECTION PORTION OF LIGHT FIXTURE TO EMERGENCY CIRCUIT. PROVIDE AUTOMATIC LOAD CONTROL RELAY TRANSFER DEVICE.
- CONNECT UNDERCOUNTER LIGHTS TO ALSO BE CONTROLLED BY OVERHEAD LIGHTING CONTROL OCCUPANCY SENSOR.
- EXISTING LIGHT FIXTURES AND OCCUPANCY SENSOR TO REMAIN. PROVIDE WIRING AND CONDUIT AS REQUIRED TO RE-CONNECT FIXTURES TO CIRCUIT INDICATED.
- CONNECT ONE EXISTING LIGHT FIXTURE TO EMERGENCY CIRCUIT. PROVIDE UL524 AUTOMATIC LOAD CONTROL RELAY (ALCR).
- PROVIDE ROUGH-IN FOR LOW-VOLTAGE LED "ON AIR" LIGHT. LIGHTS FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. PROVIDE CONDUIT AND LOW VOLTAGE WIRING TO CONTROLS WITHIN ROOM. COORDINATE LOCATIONS AND WIRING WITH OWNER. CABLE BELIEVED TO BE 2 CONDUCTOR, 18 GAUGE. VERIFY.
- PROVIDE AT LEAST TWO TYPE F82 FIXTURES AT TOP OF ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH EQUIPMENT. PROVIDE ADDITIONAL FIXTURES AS REQUIRED TO MAINTAIN 20 FOOTCANDLES MINIMUM ON TOP OF CAB AT HIGHEST LEVEL. PROVIDE LIGHT SWITCH FOR CONTROL OF LIGHTS. COORDINATE WITH ELEVATOR INSTALLER.
- SEE E220 FOR NEW LIGHTING IN SOUTHWEST AND NORTHWEST UPPER STAIRS.
- PROVIDE 1-5/8" UNISTRUT CROSS SUPPORT FOR LIGHTING. (TYPICAL - C)
- PROVIDE 1-5/8" UNISTRUT CROSS SUPPORT STRUCTURE INSTALLED ACROSS THE BOTTOM OF THE EXISTING CONCRETE JOISTS FOR SUPPORT STRUCTURE. (TYPICAL - A)
- PROVIDE CONNECTOR STRIP WITH TEN (10) TWIST-LOCK RECEPTACLES (NEMA L5-20R) FOR OWNER PROVIDED LIGHT FIXTURES. COORDINATE EXACT LOCATION IN FIELD PRIOR TO ROUGH-IN. SEE E2.13 FOR CIRCUITS. VERIFY RECEPTACLE TYPE WITH OWNER. (TYPICAL - D)
- LIGHTING IN THIS AREA TO BE MOUNTED AT 10'-6" AFF.
- LIGHTING IN THIS AREA TO BE MOUNTED AT 8'-4" AFF.
- LIGHTING IN THIS AREA TO BE MOUNTED AT 8'-0" AFF.
- LIGHTING AROUND PERIMETER OF CURTAIN TO BE MOUNTED AT 10'-6" AFF IN THIS SPACE.



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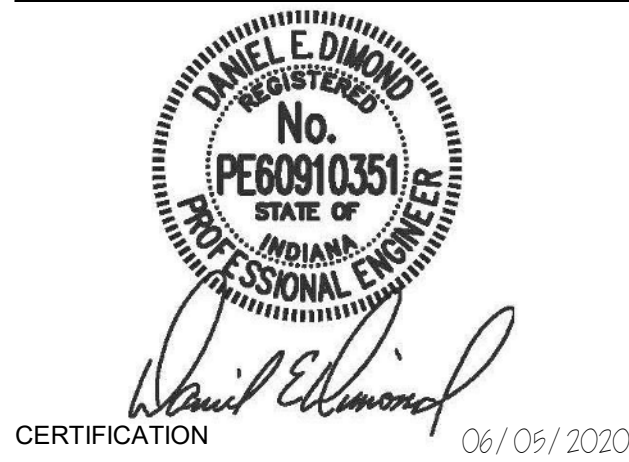
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REVISION SCHEDULE		
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2	ADDENDUM #2	2020-06-19
3	ADDENDUM #3	2020-06-26

THIRD FLOOR PLAN -
LIGHTING

E2.03

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LIGHT FIXTURE SCHEDULE										
MARK	DESCRIPTION	MOUNTING	TOTAL FIXTURE WATTS	CRI	WATTS	COLOR	LUMENS	VOLTS	MANUFACTURER(S)	
F01.4	LINEAR 4-INCH WIDE BY LENGTH INDICATED, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT, NON-IC RATED.	RECESSED	28	80	7.1W/FT	3500K	725/FT	120 V	FINELITE HP-4 R SERIES FOCAL POINT FSM4L SERIES PINNACLE E4A SERIES MERCURY MLS4 SERIES	
F01.6	LINEAR 4-INCH WIDE BY LENGTH INDICATED, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT, NON-IC RATED.	RECESSED	43	80	7.1W/FT	3500K	725/FT	120 V	FINELITE HP-4 R SERIES FOCAL POINT FSM4L SERIES PINNACLE E4A SERIES MERCURY MLS4 SERIES	
F01.14	LINEAR 4-INCH WIDE BY LENGTH INDICATED, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT, NON-IC RATED.	RECESSED	99	80	7.1W/FT	3500K	725/FT	120 V	FINELITE HP-4 R SERIES FOCAL POINT FSM4L SERIES PINNACLE E4A SERIES MERCURY MLS4 SERIES	
F01.14E	SAME AS 'F01.14', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	RECESSED	99	80	7.1W/FT	3500K	725/FT	120 V		
F02-x	PERIMETER RECESSED 4-INCH WIDE BY LENGTH INDICATED, FROSTED ACRYLIC LENS, WHITE FINISH, 0-10V DIMMING TO 10-PERCENT, VERIFY LENGTH IN FIELD PRIOR TO ORDERING, NON-IC RATED.	RECESSED	174	80	7.1W/FT	3500K	602.2/FT	120 V	FINELITE HP-W/S SERIES NEO-RAY S124 SERIES PINNACLE EVL SERIES MERCURY MLP3 SERIES	
F10.4	LINEAR DIRECT 4-INCH WIDE BY LENGTH INDICATED, AIRCRAFT CABLE, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	28	80	7.1W/FT	3500K	720/FT	120 V	FINELITE HP-4 D SERIES FOCAL POINT FSM4LS SERIES PINNACLE EX4 SERIES MERCURY MLS3-M SERIES	
F10.4B	LINEAR DIRECT 4-INCH WIDE BY LENGTH INDICATED, AIRCRAFT CABLE, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	37	80	9.2W/FT	3000K	920/FT	120 V	FINELITE HP-4 D SERIES FOCAL POINT FSM4LS SERIES PINNACLE EX4 SERIES MERCURY MLS3-M SERIES	
F10.4BE	SAME AS 'F01.4B', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	SUSPENDED	28	80	7.1W/FT	3500K	720/FT	120 V		
F10.4E	SAME AS 'F01.4', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	SUSPENDED	28	80	7.1W/FT	3500K	720/FT	120 V		
F10.4X	LINEAR DIRECT 4-INCH WIDE BY LENGTH INDICATED, X-SHAPED AS INDICATED, AIRCRAFT CABLE, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	28	80	7.1W/FT	3500K	720/FT	120 V		
F10.6	LINEAR DIRECT 4-INCH WIDE BY LENGTH INDICATED, AIRCRAFT CABLE, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	43	80	7.1W/FT	3500K	720/FT	120 V	FINELITE HP-4 D SERIES FOCAL POINT FSM4LS SERIES PINNACLE EX4 SERIES MERCURY MLS3-M SERIES	
F10.8	LINEAR DIRECT 4-INCH WIDE BY LENGTH INDICATED, AIRCRAFT CABLE, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	57	80	7.1W/FT	3500K	720/FT	120 V	FINELITE HP-4 D SERIES FOCAL POINT FSM4LS SERIES PINNACLE EX4 SERIES MERCURY MLS3-M SERIES	
F10.8E	SAME AS 'F10.8', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	SUSPENDED	57	80	7.1W/FT	3500K	720/FT	120 V		
F10.10	LINEAR DIRECT 4-INCH WIDE BY LENGTH INDICATED, AIRCRAFT CABLE, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	71	80	7.1W/FT	3500K	720/FT	120 V	FINELITE HP-4 D SERIES FOCAL POINT FSM4LS SERIES PINNACLE EX4 SERIES MERCURY MLS3-M SERIES	
F10.10E	SAME AS 'F10.10', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	SUSPENDED	71	80	7.1W/FT	3500K	720/FT	120 V		
F10.12	LINEAR DIRECT 4-INCH WIDE BY LENGTH INDICATED, AIRCRAFT CABLE, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	85	80	7.1W/FT	3500K	720/FT	120 V	FINELITE HP-4 D SERIES FOCAL POINT FSM4LS SERIES PINNACLE EX4 SERIES MERCURY MLS3-M SERIES	
F10.12E	SAME AS 'F10.12', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	SUSPENDED	85	80	7.1W/FT	3500K	720/FT	120 V		
F11.4	LINEAR DIRECT/INDIRECT 4-INCH WIDE BY LENGTH INDICATED, AIRCRAFT CABLE, WHITE RAISED TOP DIFFUSER, WHITE BOTTOM DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	57	80	14.2W/FT	3500K	1533/FT	120 V	FINELITE HP-4 ID SERIES FOCAL POINT FSM4BS SERIES PINNACLE EX4B SERIES MERCURY MLS3-DI	
F11.4X	LINEAR DIRECT/INDIRECT 4-INCH WIDE BY LENGTH INDICATED, X-SHAPED AS INDICATED, AIRCRAFT CABLE, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	57	80	14.2W/FT	3500K	1533/FT	120 V	FINELITE HP-4 ID SERIES FOCAL POINT FSM4BS SERIES PINNACLE EX4B SERIES MERCURY MLS3-DI	
F11.8	LINEAR DIRECT/INDIRECT 4-INCH WIDE BY LENGTH INDICATED, AIRCRAFT CABLE, WHITE RAISED TOP DIFFUSER, WHITE BOTTOM DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	114	80	14.2W/FT	3500K	1533/FT	120 V	FINELITE HP-4 ID SERIES FOCAL POINT FSM4BS SERIES PINNACLE EX4B SERIES MERCURY MLS3-DI	
F24	2 BY 2-FOOT ARCHITECTURAL TROFFER, ANGLED DOOR, DIFFUSE CENTER OPTIC, 0-10V DIMMING TO 10-PERCENT, NON-IC RATED.	RECESSED	37	80	37.1W	3500K	4367	120 V	FINELITE HPR-LED SERIES MARK WHSPR SERIES METALUX RLN SERIES	
F24E	SAME AS 'F24', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	RECESSED	37	80	37.1W	3500K	4367	120 V		
F30	9-INCH DIAMETER PENDENT, SPUN ALUMINUM SHADE, BLACK FINISH, WHITE DIFFUSER, LARGE DIFFUSION DOME, SINGLE STEM, 0-10V DIMMING TO 10-PERCENT.	PENDENT	51	80	51W	3500K	4100	120 V	EUREKA 4272-9 SERIES NAL TUBO EVO LED 408U1 SERIES PATHWAY LIGHTING C680PLB73V SERIES	
F30E	SAME AS 'F30', EXCEPT PROVIDE AUTOMATIC LOAD CONTROL RELAY (ALCR).	PENDENT	51	80	51W	3500K	4100	120 V		
F31	15-INCH DIAMETER SHADE, 7-INCH LUMINOUS GLOBE, SPUN ALUMINUM SHADE, DIE-CAST ALUMINUM HEATSINK, BLACK EXTERNAL FINISH, WHITE INTERNAL FINISH, 0-10V DIMMING TO 10-PERCENT.	CEILING SURFACE	22	80	22W	3500K	1406	120 V	EUREKA 1209-15 SERIES KUZCO BEACON FM11320 SERIES NAL BELL SERIES	
F32	58-INCH DIAMETER PENDANT, MATTE WHITE FINISH REFLECTOR, BLACK EXTERIOR FINISH, STAINLESS STEEL AIRCRAFT CABLE, 0-10V DIMMING TO 10-PERCENT.	PENDENT	212	80	212W	3500K	10000	120 V	LOUIS POULSEN LP GRAND 1480 SERIES BETA CALCO CERCHIO II AE4 SERIES OCL REV SERIES OR EQUAL	
F33	34-INCH DIAMETER PENDANT, MATTE WHITE FINISH REFLECTOR, BLACK EXTERIOR FINISH, STAINLESS STEEL AIRCRAFT CABLE, 0-10V DIMMING TO 10-PERCENT.	PENDENT	113	80	113W	3500K	6000	120 V	LOUIS POULSEN LP GRAND 880 SERIES BETA CALCO CERCHIO II AE2 SERIES OCL REV SERIES OR EQUAL	
F34	23-INCH DIAMETER PENDANT, MATTE WHITE FINISH REFLECTOR, BLACK EXTERIOR FINISH, STAINLESS STEEL AIRCRAFT CABLE, 0-10V DIMMING TO 10-PERCENT.	PENDENT	59	80	59W	3500K	3000	120 V	LOUIS POULSEN LP GRAND 580 SERIES BETA CALCO CERCHIO II AE1 SERIES OCL REV SERIES OR EQUAL	
F35	OPEN DOWNLIGHT, 4-INCH BY 4-INCH SQUARE APERTURE, CLEAR SEMI-SPECULAR REFLECTOR, SELF FLANGED, 0-10V DIMMING TO 10-PERCENT, NON-IC RATED.	RECESSED	27	80	27W	3500K	2500	120 V	GOTHAM ICO S4 SERIES PORTFOLIO LDSQ4B SERIES PRESCOLITE LTR4SQD SERIES VANTAGE V4 CRS SERIES	
F35E	SAME AS 'F35', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	RECESSED	27	80	27W	3500K	2500	120 V		
F35W	OPEN DOWNLIGHT, 4-INCH BY 4-INCH SQUARE APERTURE, CLEAR SEMI-SPECULAR REFLECTOR, SELF FLANGED, 0-10V DIMMING TO 10-PERCENT, WET-LOCATION LISTED, NON-IC RATED.	RECESSED	27	80	27W	3500K	2000	120 V	GOTHAM ICO S4 SERIES PORTFOLIO LDSQ4B SERIES PRESCOLITE LTR4SQD SERIES VANTAGE V4 CRS SERIES	
F37	23-INCH DIAMETER PENDANT, DIE-FORMED SPUN ALUMINUM SHADE WITH POWERCOAT FINISH, STAINLESS STEEL AIRCRAFT CABLE SUSPENSION, BLACK FINISH, 0-10V DIMMING.	PENDENT	13	80	14W	3500K	9K1	120 V	EUREKA OLLO SERIES KUZCO BEACON PD13124 SERIES FLOS SMITHFIELD S LED SERIES	

LIGHT FIXTURE SCHEDULE										
MARK	DESCRIPTION	MOUNTING	TOTAL FIXTURE WATTS	CRI	WATTS	COLOR	LUMENS	VOLTS	MANUFACTURER(S)	
F41	WALL BRACKET 4-INCH WIDE LENGTH INDICATED, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SURFACE WALL	28	80	7.1W/FT	3500K	720/FT	120 V	ALW LP3.5WD SERIES FINELITE HP-4 WM-D SERIES FOCAL POINT FSM4LW SERIES PINNACLE EX4 SERIES	
F41.6	WALL BRACKET 6-INCH WIDE LENGTH INDICATED, WHITE DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SURFACE WALL	43	80	7.1W/FT	3500K	720/FT	120 V	ALW LP3.5WD SERIES FINELITE HP-4 WM-D SERIES FOCAL POINT FSM4LW SERIES PINNACLE EX4 SERIES	
F42	OPEN DOWNLIGHT, 6-INCH DIAMETER APERTURE, CLEAR SEMI-SPECULAR REFLECTOR, SELF FLANGED, 0-10V DIMMING TO 10-PERCENT, NON-IC RATED.	RECESSED	15	80	14.5W	3500K	1100	120 V	GOTHAM EVO SERIES PORTFOLIO LDB6 SERIES PRESCOLITE LTR6RD SERIES VANTAGE VECOR SERIES	
F50	ROUND CYLINDER PENDANT, ALUMINUM HOUSING, BLACK FINISH, SELF FLANGED, 0.062" ALUMINUM REFLECTOR, 80+ CRI, 5-YEAR WARRANTY, DMX DIMMING 1-100%.	SUSPENDED	45	80	45W	3000K	4000	120 V	PORTFOLIO LSR8A-ER8-8L SERIES GOTHAM EVO SERIES	
F50L	ROUND CYLINDER PENDANT, ALUMINUM HOUSING, BLACK FINISH, SELF FLANGED, 0.062" ALUMINUM REFLECTOR, 80+ CRI, 5-YEAR WARRANTY, 0-10V DIMMING TO 1%.	SUSPENDED	23	80	45W	3000K	4000	120 V	PORTFOLIO LSR8A-ER8-8L SERIES GOTHAM EVO SERIES	
F50LE	SAME AS 'F50L', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	SUSPENDED	23	80	45W	3000K	4000	120 V		
F51	OPEN DOWNLIGHT, 6-INCH BY 6-INCH SQUARE APERTURE, CLEAR SEMI-SPECULAR REFLECTOR, SELF FLANGED, DMX DIMMING 1-100%, NON-IC RATED.	RECESSED	42	80	42W	3000K	3500	120 V	GOTHAM ICO S4 SERIES PORTFOLIO LDSQ4B SERIES PRESCOLITE LTR4SQD SERIES	
F51A	ADJUSTABLE OPEN DOWNLIGHT, 6-INCH BY 6-INCH SQUARE APERTURE, CLEAR SEMI-SPECULAR REFLECTOR, SELF FLANGED, DMX DIMMING 1-100%, NON-IC RATED.	RECESSED	42	80	42W	3000K	3500	120 V	GOTHAM ICO S4 SERIES PORTFOLIO LDSQ4B SERIES PRESCOLITE LTR4SQD SERIES	
F52	4-INCH DIAMETER PENDANT, 0-10V DIMMING TO 10-PERCENT, MEDIUM BEAM SPREAD, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATALOG OF STANDARD FINISHES.	SURFACE/PENDANT	27	80	27W	3000K	2500	120 V		
F52E	SAME AS 'F52', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	SURFACE/PENDANT	27	80	27W	3500K	2500	120 V		
F60	4-FOOT LENSED INDUSTRIAL, FORMED STEEL CUBE HOUSING, WHITE FINISH, ACRYLIC DIFFUSER.	SURFACE/ CHAIN HUNG	48	80	48W	3500K	5000	120 V	COLUMBIA MPS SERIES METALUX SNLED SERIES LITHONIA ZL1D SERIES CREE LS4 SERIES	
F60E	SAME AS 'F60', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	SURFACE/ CHAIN HUNG	48	80	48W	3500K	5000	120 V		
F61	2-FOOT LENSED INDUSTRIAL, FORMED STEEL HOUSING, WHITE FINISH, ACRYLIC DIFFUSER.	SURFACE/ CHAIN HUNG	32	80	32W	3500K	3265	120 V	COLUMBIA MPS SERIES METALUX SNLED SERIES LITHONIA ZL1D SERIES CREE LS4 SERIES	
F62	8-FOOT LENSED INDUSTRIAL, FORMED STEEL HOUSING, WHITE FINISH, ACRYLIC DIFFUSER.	SURFACE/ CHAIN HUNG	48	80	48W	3500K	5000	120 V	COLUMBIA MPS SERIES METALUX SNLED SERIES LITHONIA ZL1D SERIES CREE LS4 SERIES	
F62E	SAME AS 'F62', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	SURFACE/ CHAIN HUNG	48	80	48W	3500K	5000	120 V		
F63	9-INCH TALL ENCLOSED GASKETED INDUSTRIAL, 'JELLY JAR,' WET LOCATION LISTED, WIREGUARD.	SURFACE/ SURFACE WALL	12	80	12W	3500K	800	120 V	HUBBELL VBGL SERIES LURALINE LVB606 SERIES LITHONIA OLYT SERIES DIMMABLE ASC L60 B1 A22, INC	
F70	2-FOOT NOMINAL UNDERCOUNTER LIGHT, WHITE DIFFUSER, WITH INTEGRAL CONTROLS, DIMMING TO 10-PERCENT.	SURFACE	18	80	18.3W	3500K	958	120 V	LITHONIA RAZ SERIES AIREY-THOMPSON 13L SERIES EATON UCL SERIES MULE LEDUC-E SERIES	
F77.A	LINEAR DIRECT/INDIRECT 4-INCH WIDE BY LENGTH INDICATED RECTANGULAR SHAPED, AIRCRAFT CABLE, WHITE RAISED TOP DIFFUSER, WHITE BOTTOM DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	454	80	14.2W/FT	3500K	1533/FT	120 V	FINELITE HP-4 ID SERIES FOCAL POINT FSM4L SERIES PINNACLE E4A SERIES MERCURY MLS3-DI SERIES	
F78.A	LINEAR DIRECT 4-INCH WIDE BY LENGTH INDICATED RECTANGULAR SHAPED, AIRCRAFT CABLE, WHITE RAISED TOP DIFFUSER, WHITE BOTTOM DIFFUSER, 0-10V DIMMING TO 10-PERCENT.	SUSPENDED	284	80	7.1W/FT	3500K	720/FT	120 V	FINELITE HP-4 D SERIES FOCAL POINT FSM4L SERIES PINNACLE E4A SERIES MERCURY MLS3-DI SERIES	
F79	MIRROR LIGHT, MED LAMP SOCKETS 6-INCHES ON CENTER, ROUND WIRE LAMP GUARDS, MITERED CORNERS, EXTRUDED ALUMINUM CHANNEL, METALIC FINISH SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD CATALOG OF AVAILABLE FINISHES. COORDINATE LAMP WITH OWNER - LED 'A' LAMP, 3000K, 60W EQUIVALENT AS DIRECTED BY OWNER.	SURFACE WALL SEE DETAIL	180	LED	60W/FT	2700K	800/FT	120 V	COLE VS-VS6 SERIES TIVOLI AC-WB-06 SERIES ALUMILITE ALS300P-RG-6 SERIES AIREY THOMPSON 22X060 SERIES	
F80	7-INCH APERTURE, SQUARE DOWNLIGHT, 80CRI, WET LOCATION LISTED, 0-10V DIMMING TO 10-PERCENT, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATALOG OF STANDARD FINISHES.	SURFACE	13	80	13W	3500K	1000	120 V	JUNO JFSQ0 7-IN SERIES ENVISION LIGHTING SUSK75Q SERIES GREEN CREATIVE 15SMPST SERIES	
F80E	SAME AS 'F80', EXCEPT PROVIDE UL924 AUTOMATIC LOAD CONTROL RELAY (ALCR).	SURFACE	13	80	13W	3500K	1000	120 V		
F81	6-INCH APERTURE DOWNLIGHT, 80CRI, WET LOCATION LISTED, 0-10V DIMMING TO 10-PERCENT, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATALOG OF STANDARD FINISHES.	SURFACE	16	80	16.4W	3000K	1032	120 V	PRESCOLITE LBSLED10L SERIES HALO SLD12 SERIES JUNO GRLS SERIES ELITE RL678 SERIES	
F82	4-FOOT INDUSTRIAL, WET-LOCATION LISTED, GASKETED, NON-METALLIC HOUSING, RIBBED FROSTED ACRYLIC SHIELDING, STAINLESS STEEL LATCHES.	SURFACE/ SURFACE WALL	47	80	47W	3500K	4850	120 V	COLUMBIA LXM SERIES METALUX 4V12 SERIES LITHONIA VAP SERIES MERCURY L501 SERIES	
F92	16-INCH DIAMETER SCOOP LIGHT, SPUN STEEL HOUSING, ETCHED ALUMINUM REFLECTOR, BLACK ENAMEL FINISH, TUNGSTEN HALOGEN LAMP.	PENDENT	500	80	500W	3000K	12800	120 V	ALTMAN SCOOP 161 SERIES	
X1C	CAST ALUMINUM EXIT SIGN, BRUSHED FACE, BLACK HOUSING, SELF POWERED, SELF DIAGNOSTIC.	SURFACE CEILING	5	80	5W	GREEN	N/A	120 V	DUAL-LITE SE SERIES SURE-LITES CX SERIES LITHONIA LE SERIES MULE MD SERIES	
X1E	CAST ALUMINUM EXIT SIGN, BRUSHED FACE, BLACK HOUSING, SELF POWERED, SELF DIAGNOSTIC.	SURFACE WALL END MOUNTED	5	80	5W	GREEN	N/A	120 V	DUAL-LITE SE SERIES SURE-LITES CX SERIES LITHONIA LE SERIES MULE MD SERIES	
X1W	CAST ALUMINUM EXIT SIGN, BRUSHED FACE, BLACK HOUSING, SELF POWERED, SELF DIAGNOSTIC.	SURFACE WALL	5	80	5W	GREEN	N/A	120 V	DUAL-LITE SE SERIES SURE-LITES CX SERIES LITHONIA LE SERIES MULE MD SERIES	

- NOTES:**
1. VERIFY FINISH COLORS WITH ARCHITECT.
2. TRIMS FOR RECESSED FIXTURES IN WOOD CEILINGS SHALL BE BLACK. ALL OTHERS SHALL BE WHITE. COORDINATE WITH ARCHITECT.

FLOOR BOX SCHEDULE							
MARK (TAG)	CAPACITY	APPLICATION	COVER/FINISH	POWER DEVICES	IT DEVICES	AV DEVICES	CONDUITS
A1	5-GANG	POKE-THROUGH	HUBBELL ROUND FINISH SELECTED BY ARCHITECT	(2) DUPLEX RECEPTACLES	SEE TELECOM DRAWINGS	SEE TELECOM DRAWINGS	(1) 3/4" POWER (1) 1-1/4" IT (1) 1" AV
A2	3-GANG	POKE-THROUGH	HUBBELL ROUND FINISH SELECTED BY ARCHITECT	(2) DUPLEX RECEPTACLES	SEE TELECOM DRAWINGS	-	(1) 3/4" POWER (1) 2" IT
B1	4-GANG	ON-GRADE	HUBBELL ROUND FINISH SELECTED BY ARCHITECT	(2) DUPLEX RECEPTACLE	SEE TELECOM DRAWINGS	SEE TELECOM DRAWINGS	(1) 3/4" POWER (1) 1-1/4" IT (1) 1-1/4" AV

- NOTES:**
1. NO CONDUIT LARGER THAN 1" SHALL BE INSTALLED IN FLOOR SLAB. ALL CONDUITS LARGER THAN 1" SHALL BE ROUTED BELOW THE FLOOR SLAB.
2. COORDINATE INSTALLATION OF FLOOR BOXES WITH GENERAL TRADES AND FLOOR CONSTRUCTION. IN SOME CASES, THE BOX IS DEEPER THAN THE CONCRETE SLAB.
3. CUT AND PATCH EXISTING FLOOR SLABS AS REQUIRED TO INSTALL BOX AND CONDUITS.
4. BOXES SHALL INCLUDE A FUSION-BONDED EPOXY PAINT FINISH TO PROTECT AGAINST CORROSION AND SHALL BE RATED FOR ON-GRADE USE.
5. COVER FINISH SHALL BE VERIFIED WITH ARCHITECT.
6. FLOOR BOXES SHALL BE UL 514A AND SCRUB WATER COMPLIANT.
7. COVERS SHALL ALLOW 180 DEGREE OPENING WITH TWO LARGE CABLE EGRESS DOORS.
8. PROVIDE NECESSARY DEVICE PLATES INSIDE BOX.
9. FLOOR BOXES SHALL BE HUBBELL "SYSTEM ONE FOR CONCRETE FLOORS" OR EQUAL BY WIREMOLD.
10. VERIFY EXACT LOCATION OF FLOOR BOXES WITH ARCHITECT AND STRUCTURE PRIOR TO ROUGH-IN.
11. VERIFY COVER STYLE - SURFACE OR FLUSH WITH FLOOR FINISH AND ARCHITECT.



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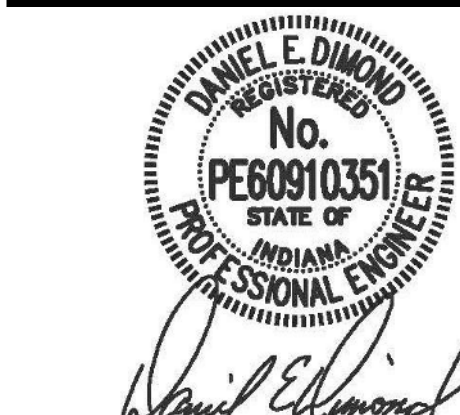
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MSBD		SWITCHBOARD SCHEDULE					
AMPS:		2000 A		LOCATION:		MACHINE ROOM 010	
CONFIGURATION:		120/208 Wye		ENCLOSURE:			
MAIN:		2000 A		TRIM:			
SCCR (AMPS RMS SYMM.):		65,000 KAIC		MODIFICATIONS:			
NO.	LOAD NAME	RATING	POLES	NOTES	PHASE A	PHASE B	PHASE C
1	ATS-1D - PANELBOARD 'BXD'	100 A	3		90 A	98 A	82 A
2	LIGHTING DIMMER RACK	400 A	3		--	--	--
3	TRANSFORMER '1-G' - PANEL 'BDPG'	250 A	3		113 A	113 A	79 A
4	PANELBOARD '1F'	225 A	3		129 A	132 A	129 A
5	PANELBOARD 'BA'	225 A	3		48 A	44 A	35 A
6	PANELBOARD 'BB'	225 A	3		47 A	51 A	48 A
7	PANELBOARD 'BC'	225 A	3		93 A	117 A	112 A
8	PANELBOARD 'BC1'	150 A	3		80 A	83 A	70 A
9	PANELBOARD 'BRZ'	100 A	3		12 A	12 A	12 A
10	AHU-1 (SF-A1)	250 A	3		120 A	120 A	120 A
11	ELEVATOR	100 A	3		62 A	62 A	62 A
12	RELIEF FAN (RF-A1)	110 A	3		78 A	78 A	78 A
13	PANELBOARD '1A'	225 A	3		54 A	59 A	67 A
14	PANELBOARD '1B'	225 A	3		43 A	62 A	63 A
15	PANELBOARD '1C'	225 A	3		131 A	141 A	123 A
16	PANELBOARD '1D'	225 A	3		38 A	31 A	32 A
17	PANELBOARD '2A'	225 A	3		48 A	35 A	33 A
18	PANELBOARD '2B'	225 A	3		52 A	56 A	55 A
19	PANELBOARD '2C'	225 A	3		145 A	125 A	160 A
20	PANELBOARD '3A'	225 A	3		69 A	91 A	86 A
21	PANELBOARD '3B'	225 A	3		30 A	51 A	29 A
22	PANELBOARD '3C'	225 A	3		71 A	73 A	64 A
23	PANELBOARD 'BR1'	225 A	3		0 A	0 A	0 A
24	SPARE	225 A	3		--	--	--
25	SPARE	150 A	3		--	--	--
26	SPARE	100 A	3		--	--	--
27	SPACE	--	--	--	--	--	--
TOTAL LOAD (VA):		581584 VA		TOTAL LOAD (A):		1559 A	
DEMAND LOAD (VA):		100000 VA		DEMAND LOAD (A):		1000 A	
REMARKS:				NOTES:			
INTEGRAL CUSTOMER METER, SURGE PROTECTION DEVICE							
MAIN SECTION SHALL BE 36"W X 30"D. DISTRIBUTION SECTION SHALL BE 45"W X 36"D.							

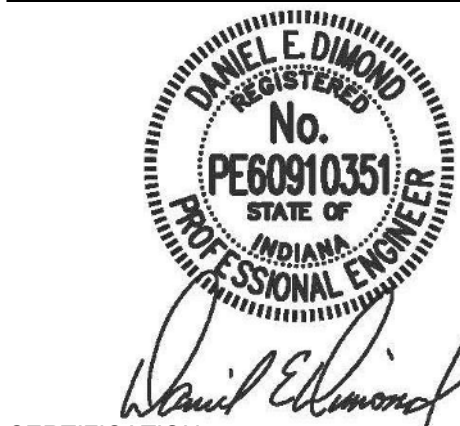
MAIN SWITCHBOARD

EMERGENCY PANELBOARDS

2T		PANELBOARD SCHEDULE											
LOCATION : TCOMM 211		SCCR (AMPS RMS SYMM.): 22,000		SERVICE : 120/208 Wye		AMP : 60 A		MAIN : MLO		NEMA: Type 1		MOUNTING : SURFACE	
CKT	DESCRIPTION	NOTE	AMP	POLE	A	B	C	POLE	AMP	NOTE	DESCRIPTION	CKT	
1	LIGHTING - TCOMM 211		20 A	1	96 / 180			1	20 A		GEN. RECEPTS - TCOMM 211	2	
3	LIGHTING - TCOMM 013		20 A	1		46 / 2000		2	30 A		TELECOM RECEPT #1 - TCOMM 211	4	
5	GENERAL RECEPT - TCOMM 013		20 A	1			180 / 2000					6	
7	SPARE		20 A	1	0 / 2000							8	
9	SPARE		20 A	1		0 / 2000		2	30 A		TELECOM RECEPT #2 - TCOMM 211	10	
11	SPARE		20 A	1			0 / 2000					12	
13	SPARE		20 A	1	0 / 2000			2	30 A		TELECOM RECEPT #3 - TCOMM 211	14	
15	SPARE		20 A	1		0 / 634		2	20 A		SPLIT SYSTEM COOLING (ACCU-A)	16	
17	SPARE		20 A	1			0 / 634				208V, 10, 6.1 MCA	18	
19	SPARE		20 A	1	0 / 0							20	
21	SPARE		20 A	1		0 / 0		2	20 A		SPARE	22	
23	SPARE		20 A	1			0 / 0	1	20 A		SPARE	24	
25	SPARE		20 A	1	0 / 0			1	20 A		SPARE	26	
27	SPARE		20 A	1		0 / 0		1	20 A		SPARE	28	
29	SPARE		20 A	1			0 / 0	1	20 A		SPARE	30	
TOTALS :			4276 VA		4682 VA		4814 VA						
TOTAL CONNECTED LOAD (VA) :			13773 VA		TOTAL CONNECTED LOAD (AMPS) :			38 A					
REMARKS:				NOTES:									
INTEGRAL SPD.													

2XD		PANELBOARD SCHEDULE											
LOCATION : SOUTH CORRIDOR 206		SCCR (AMPS RMS SYMM): 22,000		SERVICE : 120/208 Wye		AMP : 60 A		MAIN : MLO		NEMA: Type 1		MOUNTING : Recessed	
CKT	DESCRIPTION	NOTE	AMP	POLE	A	B	C	POLE	AMP	NOTE	DESCRIPTION	CKT	
1	ELEVATOR REMOTE MONITORING		20 A	1	1200 / 223			1	20 A		EMERG LIGHTING - RMS 210, 212, 213, 215, 216, 217	2	
3	ELEVATOR CAB LIGHTING		20 A	1		1200 / 196		1	20 A		EMERG LIGHTING - RMS 203, 204, 205, 207, 4	4	
5	ELEVATOR RECEPT - TOP OF SHAFT		20 A	1			180 / 508	1	20 A		EMERG LIGHTING - RM. 208A, 209, 214, 52-02,...	6	
7	SPARE		20 A	1	0 / 390			1	20 A		EMERG LIGHTING - RMS 201, 202, 218, 221, 222, 8	8	
9	SPARE		20 A	1		0 / 378		1	20 A		EMERG LIGHTING - RM. 206, 208, 220, 51-02,...	10	
11	SPARE		20 A	1			0 / 275	1	20 A		EMERG LIGHTING - RM. 318, 323, 324, 329, 331,...	12	
13	SPARE		20 A	1	0 / 472			1	20 A		EMERG LIGHTING - RM. 301, 333, 334, 335, 336,...	14	
15	SPARE		20 A	1		0 / 306		1	20 A		EMERG LIGHTING - RM. 304, 306, 308, 311, 313,...	16	
17	SPARE		20 A	1			0 / 706	1	20 A		EMERG LIGHTING 52-03, 53-03, 316, 317A, 338,...	18	
19	SPARE		20 A	1	0 / 194			1	20 A		EMERG LIGHTING - ELEVATOR TOP OF SHAFT	20	
21	SPARE		20 A	1		0 / 577		1	20 A		EMERG LIGHTING - RM. S1-03, 309, 317, 339,...	22	
23	SPARE		20 A	1			0 / 0	1	20 A		SPARE	24	
25	SPARE		20 A	1	0 / 0			1	20 A		SPARE	26	
27	SPARE		20 A	1		0 / 0		1	20 A		SPARE	28	
29	SPARE		20 A	1			0 / 0	1	20 A		SPARE	30	
TOTALS :			2378 VA		2656 VA		1889 VA						
TOTAL CONNECTED LOAD (VA) :			6703 VA		TOTAL CONNECTED LOAD (AMPS) :			19 A					
REMARKS:		INTEGRAL SPD.		NOTES:									

BXD		PANELBOARD SCHEDULE											
LOCATION : MACHINE ROOM 010		SCCR (AMPS RMS SYMM): 22,000		SERVICE : 120/208 Wye		AMP : 100 A		MAIN : MLO		NEMA: Type 1		MOUNTING : SURFACE	
CKT	DESCRIPTION	NOTE	AMP	POLE	A	B	C	POLE	AMP	NOTE	DESCRIPTION	CKT	
1	FIRE ALARM CONTROL PANEL - SERVICES 005		20 A	1	1000 / 360			1	20 A		ADA DOOR OPERATOR - SW ENTRY		
3	SUMP PUMP - ELEV 168		20 A	1		1290 / 1000		1	20 A		VOICE COMMAND CENTER - SW ENTRY		
5	EMERG. LIGHTING - 017, 019, 021, 022		20 A	1			447 / 720	1	20 A		ADA DOOR OPERATOR - VESTIBULE 120	6	
7	EMERG. LIGHTING - MACHINE ROOM 010		20 A	1	245 / 720			1	60 A		ADA DOOR OPERATOR - VESTIBULE 134	8	
9	EMERG. LIGHTING - SCENE SHOP 011		20 A	1		260 / 500		1	20 A		EMERGENCY DESK (ITEM #2) THEATER	10	
11	EMERG. LIGHTING - ELEV 168		20 A	1			141 / 810	1	20 A		SC1008 - SEATING AREA THEATER - SERVICES...	12	
13	EMERG. LIGHTING - CORR. 003, 012, STOR. 004,...		20 A	1	251 / 540			1	20 A		SC1008 - ENTRANCE/FRONT STAGE - SERVICES...	14	
15	EMERG. LIGHTING - SPRINKLER 003A, SERV. 005,...		20 A	1		288 / 0		1	20 A		SPARE	16	
17	EXTERIOR EMERG. LIGHTING - ENTRANCES		20 A	1			498 / 0	1	20 A		SPARE	18	
19	EMERG. LIGHTING - RM. S2-01, 107, 108, 109		20 A	1	338 / 0			1	20 A		SPARE	20	
21	EMERG. LIGHTING - RM. S1-01, 113, 114, 119,...		20 A	1		556 / 0		1	20 A		SPARE	22	
23	EMERG. LIGHTING - RM. 124, 127, 128, 130, 131,...		20 A	1			688 / 0	1	20 A		SPARE	24	
25	EMERG. LIGHTING - S3-01, N. 119, N. 119A, 125,...		20 A	1	527 / 0			1	20 A		SPARE	26	
27	EMERG. LIGHTING - SW ENTRY, 101		20 A	1		387 / 0		1	20 A		SPARE	28	
29	SPARE		20 A	1			0 / 0	1	20 A		SPARE	30	
31	SPARE		20 A	1	0 / 0			1	20 A		SPARE	32	
33	SPARE		20 A	1		0 / 0		1	20 A		SPARE	34	
35	SPARE		20 A	1			0 / 0	1	20 A		SPARE	36	
37			20 A	1	2378 / 4276			3	60 A		PANELBOARD '2T'	38	
39	PANELBOARD '2XD'		60 A	3		2650 / 4682						40	
41							1669 / 4814					42	
		TOTALS :		10635 VA		11590 VA		9787 VA					
		TOTAL CONNECTED LOAD (VA) :		32012 VA		TOTAL CONNECTED LOAD (AMPS) :		89 A					
REMARKS:													
INTEGRAL SPD.													
NOTES:													



CERTIFICATION 06/09/2020

100% CONSTRUCTION
DOCUMENTS

Indiana State University -
Dreiser Hall Renovation

221 North 6th Street
Terre Haute, IN 47809

Project No.: 19A052
Drawn By: JPS
Checked By: TEH
Scale: See Drawing
Issue Date: 06/05/2020

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
3	ADDENDUM #3	2020.06.26

SCHEDULES -
PANELBOARDS

E6.11



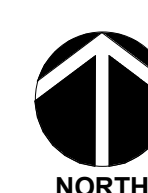
200 North 7th Street
Terre Haute, IN 47809
Phone: (812) 237-3773
Website: www.indstate.edu

4275 North High School Road
Indianapolis, IN 46254
Phone: (317) 293-3542
Website: www.vseengineering.com

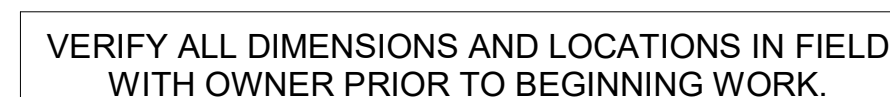
732 North Capitol Avenue
Indianapolis, IN 46204
Phone: (317) 634-4672
Website: www.redmond.com

1650 East 49th Street
Indianapolis, IN 46205
Phone: (317) 536-8000
Website: www.design27.com

525 West Honey Creek Drive
Terre Haute, IN 47802
Phone: (812) 238-9731
Website: www.MyersEngineering.com



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



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



CERTIFICATION 06/05/2020

Project No.: 19A052
 Drawn By: JPS
 Checked By: TEH
 Scale: See Dra
 Issue Date: 06/05/20

REVISION SCHEDULE		
Rev. #	Revision Description	Issue Date
2	ADDENDUM #2	2020-06-19
3	ADDENDUM #3	2020-06-26

E7.03

BIDDER QUESTIONS



Unified Bid

Project:

Project Name

Indiana State University Dreiser Hall Renovation

Bid Date: June 8, 2020

Location

Terre Haute, Indiana

Architect:

Browning Day

Bid Type: Single Prime

Browning Day Project No. 19a052

#	Date Submitted	Organization	Contact	Question	Answer
1	06.05.2020	Construct Connect	Jared Watkins	What is the estimated budget?	The construction budget is +- \$13 million.
2	06.05.2020	Construct Connect	Jared Watkins	What is the anticipated start date?	The start date is is mid July assuming bids come in on budget.
3	06.05.2020	Ambrose Industries	Chester Sokowski	Do you anticipate extending the bid date?	No.
4	06.05.2020	Ambrose Industries	Chester Sokowski	What additional details are you willing to provide, if any, beyond what is stated in bid documents concerning how you will identify the winning bid?	Winning bids are determined following all procurement requirements as set forth by the State of Indiana for state funded universities and Indiana State University policies.
5	06.05.2020	Ambrose Industries	Chester Sokowski	Was this bid posted to the nationwide free bid notification website at www.MyGovWatch.com/free	No.
6	06.05.2020	Ambrose Industries	Chester Sokowski	Other than your own website, where was the bid posted?	The bid was advertised in local media. It is also available through plan rooms including Bluebook Building and Construction Network, Dodge Data and Anayltics, Builders Exchange of Kentucky
7	06.10.2020	Cleveland Construction	Paul Alexander	Who is the permitting authority for this project? Have plans been submitted for review?	State permitting is provided through the Indiana Department of Homeland Security. Local permitting is provided through the City of Terre Haute. Plans will be submitted for review the week of June 15, 2020.
8	06.10.2020	Cleveland Construction	Paul Alexander	Is the AIA A310 form and acceptable Bid Bond document?	Yes, and it is preferred.
9	06.11.2020	Cleveland Construction	Paul Alexander	Will a specification be issued for the Stage Lift referenced in Alternate #8?	Yes, it will be issued the week of June 15, 2020. Revised: this will be issued the week of June 29,2020.
10	06.11.2020	Hannig Construction	Wes Readinger	Please confirm that an enlarged opening reinforced per detail 1/S0.02 is necessary and that the opening cant be cut to fit the new louver size. Is the addition of a structural angle an option for these openings?	An enlarged opening is necessary. The Structural Engineer will revise detail 1/S0.02 to delete angled rebar.
11	06.11.2020	Hannig Construction	Wes Readinger	Can you clarify the extent of concrete floor slab removal and replacement in the basement? Demo drawing D1.00 indicates some large hatched areas (D1) to be removed, however the structural drawings do not indicate these areas to receive a new slab that I can see.	The slab demo as shown on D1.00 is correct, although it has been revised in Addendum #1. The structural drawings will show a new slab in these areas in updated plans.
12	06.11.2020	Hannig Construction	Wes Readinger	Can you provide frame elevations associated with door openings 108-1, 124-1, 311-1, 315-1, 324-1, and 335-1. These are called out to be aluminum frames to receive wood doors.	The frame elevations requested are shown on Sheet A8.21 - Interior Storefront Elevations. This is issued in Addendum #1 .
ANSWERED IN ADDENDUM #1					

BIDDER QUESTIONS

Unified Bid

Project:

Project Name

Location

Indiana State University Dreiser Hall Renovation

Terre Haute, Indiana

Bid Date:

June 8, 2020

Architect:

Browning Day

Browning Day Project No. 19a052

Bid Type:

Single Prime

13	06.12.2020	Crestline Construction	Keith Roembke	Please confirm that the project is Non-Prevailing Wage project.	The project is a Non-Prevailing Wage project.
14	06.12.2020	Weddle Brothers	Josh Naugle	The specification requires the structural steel fabricator to be AISC certified. Can that be waived as long as the fabricator is an AISC member and has a quality program that meets or exceeds AISC?	Per the structural engineer (VS), the requirement to be AISC can be waived so long as the fabricator is an AISC member and has a quality program that meets or exceeds AISC.
15	06.12.2020	Hannig Construction	Bill Hann Jr.	This project requires the steel fabricator to be AISC certified. Can this be waived?	Per the structural engineer (VS), the requirement to be AISC can be waived so long as the fabricator is an AISC member and has a quality program that meets or exceeds AISC.
16	06.15.2020	Garmong Construction	Kent Ferrari	This project requires the steel fabricator to be AISC certified. Can that be waived?	Per the structural engineer (VS), the requirement to be AISC can be waived so long as the fabricator is an AISC member and has a quality program that meets or exceeds AISC.
17	06.16.2020	Pepper Construction	Caitlin Poe	This project requires the steel fabricator to be AISC certified. Can this be waived?	Per the structural engineer (VS), the requirement to be AISC can be waived so long as the fabricator is an AISC member and has a quality program that meets or exceeds AISC.
18	06.22.2020	Fairchild Communications	Pat O'Neill	Section 2.19 Intercomm System - None of the specified part #'s seem to match up with Detail #2, sheet AV4.00, specifically, the chime mute and volume control panel. Could a manufacturer and part # be provided, please?	The chime mute and volume control panel are custom and connect directly to the DSP as shown on Detail #1/AV3.00 and Detail #2/AV3.01. These are not a part of the intercom system, but are utilized to page the theatre/BOH loudspeakers from the house manager's station in location (mainly to call patrons if needed before the show or during intermission). There really is not particular part number required for these components as long as they are compatible with the DSP.
19	06.22.2020	Fairchild Communications	Pat O'Neill	Section 2.24 AV Switcher - This is an 8x8 switcher frame, and as such will not accommodate the I/O card configurations listed in 2.24.1 and 2.24.2.. AV System Functional Diagram on sheet AV3.02 does not indicate the I/O config specified in 2.24.1 and 2.24.2. Clarification in requested, please.	Please reference the functional diagram on sheet AV3.02 for required input/output configuration.
20	06.22.2020	Fairchild Communications	Pat O'Neill	Section 2.29 Projection Screen - This section does not indicate tab tensioning, but elevation diagram #1 sheet AV2.00 seems to show a tab tensioned screen. Clarification is requested, please.	The projection screen shall be tab-tensioned.
21	06.22.2020	Fairchild Communications	Pat O'Neill	Section 2.38 AV Rack type 2 - The specified Middle Atlantic BRK12 lacks sufficient interior space for the MPR sequenced system raceway. Would the Middle Atlantic # PDS-620R rack mount sequenced power be acceptable as an alternate product?	The use of the PDS-620R is acceptable and shall be tied into the larger power sequencing system.
22	06.24.2020	Grunloh Construction	Evan Sudkamp	In specification 51200 - Structural Steel Framing, it calls for the Structural steel fabricating plant to possess current certified certificate from AISC. Can this qualification be waived?	Per the structural engineer (VS), the requirement to be AISC can be waived so long as the fabricator is an AISC member and has a quality program that meets or exceeds AISC. The specification will be updated in Addendum 2.