



26 August 2024

Project Name: Pearl River Valley Water Supply District Main Office  
Project Number: 23-072

## ADDENDUM NO. 02

### **NOTICE TO ALL DOCUMENT HOLDERS:**

The following additions, deletions, changes and clarifications to the drawings and specifications are to be included as part of the Contract Documents.

The following clarifications address various bidder's questions received to date.

### **GENERAL**

#### ITEM NO. 01 **TAP/IMPACT FEES**

**Clarification:** The contractor will not be required to pay for tap fees that go through the Pearl River Valley Water Supply District.

### **SPECIFICATIONS**

#### ITEM NO. 02 **01.2100 - ALLOWANCES**

##### **Part 1, Paragraph 5, Item 'D'**

**ADD** Item 'D' to read as follows: *Section 28.1600 - Security System: Include the stipulated sum/price of \$35,000.00 for purchase, delivery, and installation of security camera system.*

#### ITEM NO. 03 **04.4313 - STONE MASONRY VENEER**

##### **Part 2, Paragraph 2, Item A**

**REVISE** item 'A' to read as follows: *Stone: [Rubble] type, [3-5 inch Fieldstone] variety.*

#### ITEM NO. 04 **06.2000 - FINISH CARPENTRY**

##### **Part 2, Paragraph 1, Item C.1, 2, & 3**

**REVISE** line items Part 2.1.C.1, 2, & 3 to read as follows:

- 1. Moldings, Bases, Casings, and Miscellaneous Trim: **Poplar**; prepare for paint finish.*
- 2. Door Trims: **Maple**; prepare for transparent finish.*
- 3. Window Sills: **Maple**; prepare for transparent finish.*

#### ITEM NO. 05 **06.4100 - ARCHITECTURAL WOOD CASEWORK**

**ADD** the attached spec section, in its entirety, to the Project Manual.

**Clarification:** The Specification Section was omitted from the original project manual.

#### ITEM NO. 06 **07.2129 - SPRAYED INSULATION**

##### **Part 2, Paragraph 2, Item B**

**REMOVE** Part 2 - paragraph 2.B in its entirety.



**Part 3, Paragraph 3, Item A**

**REVISE** item 'A' to read as follows: *Utilize Open-Cell Spray Foam Insulation Type at the Roofs (R-38 min.) and at the Walls (R-13 min.), typical.*

ITEM NO. 07

**07.4113 - METAL ROOF PANELS**

**Part 2, Paragraph 2**

**ADD** paragraph 2 to read as follows:

**2. ARCHITECTURAL METAL ROOF PANELS**

**A. Architectural Metal Roofing:** *Provide complete engineered system complying with specified requirements and capable of remaining weathertight while withstanding anticipated movement of substrate and thermally induced movement of roofing system.*

**B. Metal Panels:** *Factory-formed panels with factory-applied finish.*

**1. Steel Panels:**

**a. Aluminum-zinc alloy-coated steel (Galvalume)** *conforming to ASTM A792/A792M; minimum AZ50 (AZM150) coating.*

**b. Steel Thickness:** *Minimum 24 gage (0.024 inch) (0.61 mm).*

**2. Profile:** *Standing seam, with minimum 1.0 inch (25 mm) seam height; concealed fastener system for field seaming with special tool.*

**3. Length:** *Full length of roof slope, without lapped horizontal joints.*

**4. Width:** *Maximum panel coverage of 16 inches (406 mm).*

**5. Mill-Finish Steel Panels:** *Treat with passivating chemical prior to shipment, to inhibit formation of corrosion.*

ITEM NO. 08

**08.8000 - GLAZING**

**Part 2, Paragraph 4, Item B.10.b & B.10.d**

**REMOVE** line items Part 2.4.B.10.b & Part 2.4.B.10.d from the glazing spec section.

ITEM NO. 09

**09.3000 - TILING**

**Part 2, Paragraph 4, Item A**

**REVISE** item 'A' to read as follows: *Laticrete Permacolor Grout: ANSI A118.7 durable and stain resistant cementitious grout.*

ITEM NO. 10

**09.5100 - ACOUSTICAL CEILINGS**

**Part 2, Paragraph 2, Item B, D, & E**

**REMOVE** line items Part 2.B, 2.D & 2.E in its entirety from the acoustical ceiling spec sections.

ITEM NO. 11

**09.9123 - INTERIOR PAINTING**

**Part 2, Paragraph 1, Items C & D**

**ADD** paragraph 2.C & D to read as follows:

*C. Transparent Finishes:*

**1. Base Manufacturer:** *[Benjamin Moore & Co.].*



2. Sherwin-Williams Company: [www.sherwin-williams.com/#sle](http://www.sherwin-williams.com/#sle).
3. [Benjamin Moore & Co: [www.benjaminmoore.com.](http://www.benjaminmoore.com.)].
4. [Other Equal Products].

D. Stains:

1. Base Manufacturer: [Sherwin-Williams Company].
2. Sherwin-Williams Company: [www.sherwin-williams.com/#sle](http://www.sherwin-williams.com/#sle).
3. [Other equal products].

**Part 2, Paragraph 3, Items B**

**ADD** paragraph 3.B to read as follows:

*B. Paint I-TR-W - Transparent Finish on Wood.*

1. One coat stain: Semi-Transparent Stain for Wood; Benjamin Moore Old Masters Wiping Stain; MPI #90.
2. Three Coats Polyurethane Varnish; Oil Modified; Benjamin Moore All Pro Polyurethane Coating; [MPI #57].

- ITEM NO. 12      **10.5626 - MOBILE STORAGE SHELVING**  
**Part 2, Paragraph 4, Item A**  
**REPLACE** spec section in its entirety with the attached **10.5626 - Mobile Storage Shelving** spec section.  
**Clarification:** Part 2 of spec section and the Basis of Design has been revised.
- ITEM NO. 13      **11.3013 - RESIDENTIAL APPLIANCES**  
**Part 1, Paragraph 1, Item A**  
**REVISE** item 'A' to read as follows: *Kitchen appliances. All appliances will be provided by the Owner. Contractor is to install.*
- ITEM NO. 14      **28.1600 - SECURITY SYSTEM**  
**ADD** the attached spec section, in its entirety, to the Project Manual.
- ITEM NO. 15      **28.2301 - CAMERA CABLING**  
**ADD** the attached spec section, in its entirety, to the Project Manual.
- DRAWINGS**
- ITEM NO. 16      **R100 - PROJECT INFO**  
**REPLACE** sheet with attached revised sheet.  
**Clarification:** Revised sheet index.
- ITEM NO. 17      **C3.0 - SITE & UTILITY PLAN**  
**REPLACE** sheet with attached revised sheet.  
**Clarification:** Added FDC and Fire line
- ITEM NO. 18      **C3.1 - LANDSCAPE PLAN**  
**ADD** the attached sheet, in its entirety, to the drawing set .



- ITEM NO. 19      **C6.2 - SITE & UTILITY PLAN**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Added FDC detail
- ITEM NO. 20      **A101 - FLOOR PLAN**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Revised floor plan to remove fire rating in CMU construction.
- ITEM NO. 21      **A104 - ROOF PLAN**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Added notes and details for gutters.
- ITEM NO. 22      **A203 - BUILDING SECTIONS**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Added note and dimension to Vault 158 to clarify area for compact shelving.
- ITEM NO. 23      **A204 - BUILDING SECTIONS**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Added note and dimension to Vault 158 to clarify area for compact shelving.
- ITEM NO. 24      **A401 - EXTERIOR DETAILS**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Revised Ridge Vent detail.
- ITEM NO. 25      **A701 - INTERIOR ELEVATIONS**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Added note to interior elevation 9/701
- ITEM NO. 26      **A702 - INTERIOR ELEVATIONS**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Added note for wall tile at coffee bar at 7/A702
- ITEM NO. 27      **A801 - TYPICAL CASEWORK DETAILS**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Added note to Typ. Wainscotting detail.
- ITEM NO. 28      **E000 - ELECTRICAL LEGEND, SCHEDULE, AND NOTES**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Revised Electrical Legend and added Data Riser detail.
- ITEM NO. 29      **E300 - MECHANICAL/AUXILIARY PLAN**  
*REPLACE* sheet with attached revised sheet.  
*Clarification:* Added Instruction Detection system symbols to the floor plan



Encl: **Specifications** (8.5x11): 06.4100, 10.5626, 28.1600, 28.2301

**Drawings** (24x36): R100, C3.0, C3.1, C6.2, A101, A104, A203, A204, A401, A701, A702, A801, E000, E300,

Cc: All document holders

File: 23-072/C/C2

# Architectural Wood Casework

## PART 1 GENERAL

1. SECTION INCLUDES
  - A. Specially fabricated cabinet units.
  - B. Countertops.
  - C. Cabinet hardware.
  - D. Factory finishing.
  - E. Preparation for installing utilities.
2. RELATED REQUIREMENTS
  - A. Section 06.1000 - Rough Carpentry: Support framing, grounds, and concealed blocking.
  - B. Section 09.9123 - Interior Painting: Field finishing of cabinet exterior.
3. REFERENCE STANDARDS
  - A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014.
  - B. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards, U.S. Version 3.0; 2016.
  - C. HPVA HP-1 - American National Standard for Hardwood and Decorative Plywood; 2009.
4. SUBMITTALS
  - A. See Section 01.3000 - Administrative Requirements, for submittal procedures.
  - B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
    1. Scale of Drawings: 1-1/2 inch to 1 foot (125 mm to 1 m), minimum.
    2. Provide the information required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
  - C. Product Data: Provide data for hardware accessories.
  - D. Samples: Submit actual samples of architectural cabinet construction, minimum 12 inches (300 mm) square, illustrating proposed cabinet, countertop, and shelf unit substrate and finish.
5. QUALITY ASSURANCE
  - A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
6. MOCK-UP
  - A. Provide mock-up of typical base cabinet, wall cabinet, and countertop, including hardware, finishes, and plumbing accessories.
  - B. Locate where directed.
  - C. Mock-up may remain as part of the Work.
7. DELIVERY, STORAGE, AND HANDLING
  - A. Protect units from moisture damage.
8. FIELD CONDITIONS
  - A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

## PART 2 PRODUCTS

1. CABINETS
  - A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
  - B. Wood Veneer Faced Cabinet:
    1. Exposed Surfaces: HPVA HP-1 Grade A, White Oak, plain sliced, random-matched.
    2. Semi-Exposed Surfaces: HPVA HP-1 Grade B, White Oak, plain sliced, random-matched.
    3. Concealed Surfaces: Manufacturer's option.

- C. Plastic Laminate Faced Cabinets: Custom grade.
- 2. LAMINATE MATERIALS
  - A. Manufacturers:
    - 1. Formica Corporation; Per Finish Schedule: [www.formica.com/#sle](http://www.formica.com/#sle).
    - 2. Substitutions: See Section 01.6000 - Product Requirements.
- 3. COUNTERTOPS
  - A. See Finish Schedule and Legend for additional information
- 4. ACCESSORIES
  - A. Adhesive: Type recommended by fabricator to suit application.
  - B. Fasteners: Size and type to suit application.
  - C. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.
  - D. Concealed Joint Fasteners: Threaded steel.
- 5. HARDWARE
  - A. Hardware: BHMA A156.9, types as recommended by fabricator for quality grade specified.
  - B. Adjustable Shelf Supports: Standard side-mounted system using recessed metal shelf standards or multiple holes for pin supports and coordinated self rests, polished chrome or satin chrome finish, for nominal 1 inch (25 mm) spacing adjustments.
  - C. Drawer and Door Pulls: \_\_\_\_\_.
  - D. Cabinet Locks: Keyed cylinder, two keys per lock, master keyed, steel with satin finish.
  - E. Catches: Magnetic.
  - F. Drawer Slides:
    - 1. Type: Extension types as indicated.
    - 2. Static Load Capacity: Heavy Duty grade.
    - 3. Mounting: Side mounted.
    - 4. Stops: Integral type.
  - G. Drawer Systems: Integrated drawer slide and side.
    - 1. Side Type: Single Wall.
    - 2. Drawer Side Height: 3-1/2 inches (90 mm).
    - 3. Drawer Length: 16 inch (400 mm).
    - 4. Mounting: Side mounted.
    - 5. Features: Provide self closing/stay closed and white epoxy finish type.
  - H. Hinges: European style concealed self-closing type, steel with satin finish.
- 6. FABRICATION
  - A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
  - B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
  - C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
  - D. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs. (Locate counter butt joints minimum 600 mm from sink cut-outs.)
  - E. Provide cutouts for plumbing fixtures. Verify locations of cutouts from on-site dimensions. Prime paint cut edges.

7. SHOP FINISHING

- A. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
  - 1. Transparent:
    - a. Utilize assembly Paint I-TR-W. See spec section 09.9123 Interior Painting.
    - b. Stain: As selected by Architect.
    - c. Sheen: Semigloss.
  - 2. Opaque:
    - a. System - 4, Latex Acrylic, Water-based.
    - b. Color: As selected by Architect.
    - c. Sheen: Satin.

**PART 3 EXECUTION**

1. EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify location and sizes of utility rough-in associated with work of this section.

2. INSTALLATION

- A. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
- B. Use fixture attachments in concealed locations for wall mounted components.
- C. Use concealed joint fasteners to align and secure adjoining cabinet units.
- D. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch (0.79 mm). Do not use additional overlay trim for this purpose.
- E. Secure cabinets to floor using appropriate angles and anchorages.

3. ADJUSTING

- A. Adjust installed work.
- B. Adjust moving or operating parts to function smoothly and correctly.

4. CLEANING

- A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

**END OF SECTION**

# Mobile Storage Shelving

## PART 1 GENERAL

1. SECTION INCLUDES
  - A. Mechanically assisted mobile storage shelving systems.
2. REFERENCE STANDARDS
  - A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
  - B. ASCE 7 - Minimum Design Loads for Buildings and Other Structures; 2010, with 2013 Supplements and Errata.
3. SUBMITTALS
  - A. See Section 01.3000 - Administrative Requirements, for submittal procedures.
  - B. Product Data: Submit manufacturer's data sheets on each product to be used, including:
    1. System components.
    2. Accessories.
    3. Substrate preparation instructions and recommendations.
    4. Storage and handling requirements and recommendations.
    5. Installation methods.
  - C. Shop Drawings: Indicate location, type, and layout of mobile storage shelving system, including lengths, heights, and aisle layout, and relationship to adjacent construction.
    1. Indicate location and configuration of rails.
    2. Indicate method of installation and configuration for shelving mounted on carriages.
    3. Provide location and details of anchorage devices to be embedded in or fastened to the structure.
  - D. Selection Samples: For each finish product specified, provide color chips representing manufacturer's full range of available colors and finishes.
  - E. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
4. QUALITY ASSURANCE
  - A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.
  - B. Installer Qualifications: Company specializing in performing the work of this section with minimum three years of documented experience.
5. DELIVERY, STORAGE, AND HANDLING
  - A. Inspect for dents, scratches, or other damage. Replace damaged components.
  - B. Store in manufacturer's unopened packaging until ready for installation.
  - C. Store under cover and elevated above grade.
6. WARRANTY
  - A. See Section 01.7800 - Closeout Submittals, for additional warranty requirements.
  - B. Provide one year manufacturer warranty covering defects of manufacturing and workmanship and rust and corrosion.

## PART 2 PRODUCTS

1. MANUFACTURERS
  - A. Mobile Storage Shelving Systems:
    1. Datum Storage Solutions; \_\_\_\_\_: [www.datumstorage.com/#sle](http://www.datumstorage.com/#sle).
    2. Montel; Basis of Design; Mobilex Mechanical-Assist Mobile Storage: [www.montel.com/#sle](http://www.montel.com/#sle).
    3. Spacesaver Corporation; High-Density Mobile Shelving: [www.spacesaver.com/#sle](http://www.spacesaver.com/#sle).

2. MOBILE STORAGE SHELVING SYSTEMS - GENERAL
  - A. System Description: High-density movable shelving system consisting of shelving units mounted on rail-guided wheeled carriages.
    1. Carriage Operation: Mechanically assisted.
    2. Carriage Capacity: 1,000 pounds per lineal foot (454 kg per linear m).
    3. Rail Mounting: Surface mounted directly on floor without grout, plywood, or shims.
  - B. Seismic Design: Design for Seismic Zone 4, in accordance with ASCE 7 Section 9.
  - C. Components:
    1. Carriages: Rectangular steel frames of type and size required for selected system.
      - a. Finish: Powder coat paint; color to match shelving.
    2. Wheels: Cold rolled steel; dual flanged.
    3. Rails: Cold rolled steel; type and size to carry loads imposed by system.
    4. Face Panels: Steel.
      - a. Face panels shall be located on all operating ends of ranges
      - b. Finish: Color, as select by Architect, from manufacturer's standard colors
      - c. Face panels to cover full height and width of shelving
    5. Shelving Type: 4-Post
  - D. Accessories:
    1. Anchors and Leveling Screws: Types and sizes recommended by manufacturer for specified rail mounting and floor system.
    2. Bumpers: Manufacturer's standard rubber stops.
3. MECHANICALLY ASSISTED MOBILE STORAGE SHELVING SYSTEMS
  - A. Basis of Design: Montel Mobilex Mechanical-Assist Mobile Storage.
  - B. Other Acceptable Manufacturers:
    1. Spacesaver; High-Density Mobile Shelving: [www.spacesaver.com/#sle](http://www.spacesaver.com/#sle).
    2. Substitutions: See Section 01.6000 - Product Requirements.
  - C. Drive System: Provide uniform movement of the carriage without drifting or jerking.
    1. Chain and sprocket system with full length torque resistant steel shaft.
    2. Provide two wheels per rail for each carriage, direct-driven on one side.
  - D. Control: Three-spoke operating handle with manual locking latch.
    1. Minimum Gear Ratio: 1 lbf (4.4 N) to move a load of 6000 lbs (2722 kgs).
  - E. Safety System: Mechanical safety brake at toe level the full length of the carriage. Light pressure of 1.5 lbf (6.7 N) on aluminum bar activates safety mechanism to stop carriage movement.

### **PART 3 EXECUTION**

1. EXAMINATION
  - A. Verify that field measurements are as indicated.
  - B. Verify that substrate is in proper condition to install rails and flooring system per manufacturer's requirements.
  - C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
2. INSTALLATION
  - A. General: Install system components and accessories in accordance with manufacturer's printed instructions.
  - B. Position system components level and plumb within manufacturer's specified tolerances.
  - C. Anchor floor system to structure as indicated on drawings.

- D. Anchor rails directly to concrete subfloor.
  - E. Extend rails under stationary shelving units.
  - F. Position carriages ensuring wheels align properly on rails. Fasten multiple carriages together forming a single movable base.
  - G. Install shelving with shelf surfaces level and vertical supports plumb; fasten to carriage supports with vibration-proof fasteners.
3. FIELD QUALITY CONTROL
- A. See Section 01.4000 - Quality Requirements, for additional requirements.
4. ADJUSTING
- A. Adjust mobile storage shelving components and accessories to provide for smooth operation of system.
5. CLEANING
- A. Clean shelving and surrounding area after installation.
6. CLOSEOUT ACTIVITIES
- A. See Section 01.7800 - Closeout Submittals, for closeout submittals.
  - B. See Section 01.7900 - Demonstration and Training, for additional requirements.
7. PROTECTION
- A. Protect installed system from subsequent construction operations.
  - B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

**END OF SECTION**

**PART 1 - GENERAL**

- 1.1 Furnish and install a complete and operable Security System as shown on the drawings and as specified herein.
- 1.2 Provide all enclosure, hardware, software, devices, circuitry, and other components, material, and labor required to install, configure, and test the entire system to the satisfaction of the Architect and Engineer.
- 1.3 Submit six sets of manufacturer's cut sheets describing completely all equipment, and six sets of shop drawings showing all circuitry including terminal-to-terminal connections. The shop drawings shall provide a complete schematic of all components used on this project with their interconnecting circuitry. General manufacturer's data sheets are not acceptable.

**PART 2 - PRODUCTS**

- 2.1 Security System Controller: The Security System Controller shall support up to 9 hardwired zones with a total of 64 zones. It shall support addressable motion detectors and door switches. The controller shall support up to 8 relays or X-10 devices. It shall be connected to the building telephone system and send coded signals to the monitoring agency of the Owner's preference. Pay the monitoring fee from the testing of the system until the General Contractor is granted the Letter of Substantial Completion. The Security System Controller shall be an ADEMCO VISTA-40 or approved equal.
- 2.2 Keypads: Keypads shall have a backlit display that displays system events. They shall make audible "beeps" for entry/exit delays, system status and other alarm conditions. Keypads shall be ADEMCO 6139 or approved equal.
- 2.3 Motion Detectors: Motion Detectors shall have a 50' x 50', 90 degree coverage and shall detect using passive infrared technology. They shall have both dip switch and serial number addressing. They shall have both horizontal and vertical patterning adjustment. Motion Detectors shall be ADEMCO 998MX or approved equal.
- 2.4 Door Switches: Door Switches shall be addressable, magnetic contact, recessed type. Door Switches shall be ADEMCO 4191SN or equal.
- 2.5 Panic Buttons: Provide hidden pushbuttons that shall be for alarm activation.
- 2.6 Sirens: Sirens mounted indoors shall have an output of 95 Db at 10'. They shall be ADEMCO 747 or approved equal. Sirens mounted in damp locations, such as on the Ground Floor, shall produce 117 dB at 10'. They shall be ADEMCO 702 or approved equal.
- 2.7 Circuitry: Provide circuitry and cabling as required for optimum system operation, but meeting no less than the following specifications:
  - (1) Cable for Keypads, Motion Detectors, and Glass Break Detectors shall be 4-conductor, 22 gauge with PVC jacket.
  - (2) Cable for Door Switches shall be 2-conductor, 20 gauge with PVC jacket.

**PART 3 - EXECUTION**

- 3.1 All work shall be done by qualified system technicians.
- 3.2 Wiring shall be in Raceways meeting Specification 260533.
- 3.3 Provide one zone for the cafeteria and one zone for the remainder of the buildings.

- 3.4 Connect to telephone system for complete dialing capability. Employ Owner's designated monitoring agency to monitor system. Consult Owner prior to configuring system.
- 3.5 Guarantee workmanship and material for a period of one year after final acceptance. During the warranty period, repair or replace faulty equipment at no cost to the Owner for labor, material, or expenses.
- 3.6 Upon completion of job, test entire system. After testing submit a certificate to Architect stating verification of the following:

#### **PART 4 – CLOSE-OUT DOCUMENTS**

- 4.1 Provide the following documents to the Architect for delivery to the Owner at the time of substantial completion:
  - A. Written Guarantee
  - B. Two sets of data prepared by the manufacturer for each item of electrical equipment completely describing each piece of equipment. The data shall include parts lists, a description of operation, shop drawings, wiring diagrams, maintenance procedures, and other literature required for operation and maintenance of equipment.
- 4.2 Instruct the Owner on system operational procedures. Notify the Owner and Architect at least one week in advance of the training session. Provide written step-by-step instructional material.
- 4.3 Notify the General Contractor that you are to present during the Pre-final Inspection. During that inspection, demonstrate all system functionality and capabilities; remove cover plates and panels covers as required to show the quality of the installation. The Owner, Architect, and Engineer reserve the right to reject unsuitable workmanship or performance.

#### **END OF SECTION**

**SECTION 282301 – CAMERA CABLING**

**PART 1 – GENERAL**

- 1.1 Provide a complete cabling system for the Owner installed cameras in accordance with this specification and the contract drawings. All systems shall be furnished and installed to meet or exceed EIA/TIA Category 6 Standards.
- 1.2 All new wiring on this project shall conform to the EIA TIA 568A T568A or T568B scheme. Consult Owner's IT personnel for which configuration to use. Obtain written instructions to ensure that there are no misunderstandings.
- 1.3 Prior to ordering equipment, provide six sets of manufacturer's cut sheets to the Architect or Engineer for the equipment to be installed. Also submit shop drawings showing the floor plan with all wiring tag identification and conduit and cable routing. Do not order any equipment without receiving submittals and shop drawings that have been reviewed and approved by the Engineer.
- 1.4 Contractors furnishing and installing cabling components shall be regularly involved in furnishing and installing systems of the type specified. They shall have installed five systems similar in size and scope within the past six months. The Camera Cabling Contractor shall pull the cable as well as install all jacks and make all other system terminations.

**PART 2 – PRODUCTS**

- 2.1 Outlet Boxes: Provide outlet boxes in accordance with Specification 260533.
- 2.2 Plaster Rings: Plaster rings shall be furnished to provide single-gang openings in outlet boxes unless otherwise noted.
- 2.3 Raceways: Provide raceways in accordance with Specification 260533.
- 2.4 Jacks: Provide outlet boxes with a strap containing the number of Jacks indicated on the drawings. Outlet jacks shall be 8-position, 8-conductor, RJ-45 jacks that are multivendor supportive accepting most phone and data plugs. Jacks shall have gold-plated (50 microinches minimum) contacts with 110 connections on the back. The jacks shall snap in the straps. The straps shall be colored grey. Data jacks shall be Panduit MINI-COM CJ688TPIG.
- 2.5 Faceplates shall be stainless steel with labels. Panduit CFPLxSY.
- 2.6 Camera Cable: Camera cable shall be Category 6 rated and shall conform to or exceed the EIA/TIA 578 Commercial Building Wiring Standard, Horizontal Cable Section and the EIA/TIA Technical Systems Bulletin 36 for Unshielded Twisted Pair Cables. Cabling shall be UL listed. Camera cables shall be grey. All Cable shall be General GenSpeed EfficiencyMax600, 22 guage Cat 6 UTP non-bonded pair.
- 2.7 Camera cables shall be white.
- 2.8 All Cable shall be plenum rated.
- 2.9 Patch Panels: Camera Cables shall terminate at the MDF or IDF rooms in patch panels. Provide a patch panel (or panels) containing the number of inputs required for the data cabling shown on the drawings plus 25% spare. Provide mounting brackets for patch panels as required. Provide crossconnecting cables as required to interconnect the patch panels providing the Owner a single connection point for a connection to a server.

### **PART 3 – EXECUTION**

- 3.1 Provide a 1" conduit extending from each outlet box to a point above the nearest accessible ceiling. Terminate the conduit with a protective bushing.
- 3.2 Route conductors from the outlet box, above the lay-in ceilings, and to the telephone and data backboard. Group, tie-wrap, and support the conductors from the structural ceiling above the lay-in ceiling. Provide conduit for sleeves where cables pass through areas with hard ceilings.
- 3.3 Provide one camera cable to each camera location.
- 3.4 Uniquely identify and label all cables at each end using EIA/TIA Standards. Provide engraved or professionally stenciled label markings on the faceplate beside each jack.
- 3.5 Use a Certification Tester meeting TIA/ISO Level II or IV Accuracy requirements to prove that cabling meets structured cabling manufacturer's warranty requirements. The tester must provide Pass/Fail results compliant with TIA/ISO standards. The tester must be a Fluke DTX CableAnalyzer or approved equal. Provide documentation reports containing all measurement data (MHz, dB, NEXT, EFLEXT, RL). Test cable to ensure that it supports Category Rated Network Speed and provide evidence in report. Test each cable for opens, shorts, correct pairs, crossed wiring, and proper termination approved equal. Replace any cable that is unable to pass the tests. Provide a written log of the test results of each cable to the Engineer at the prefinal inspection. Demonstrate testing of any cables selected by the Engineer.

END OF SECTION

# ABBREVIATIONS

- A.C.M. ACQUISITION
- A.C.T. ACUSTICAL CEILING TILE (see also L.A.T.)
- A.F.F. ABOVE FINISHED FLOOR
- A.H.U. AIR HANDLING UNIT (see also R.T.U.)
- AL. ALUMINUM
- ALUM. ALUMINUM
- APPROX. APPROXIMATE
- ASBY. ASSEMBLY
- B. BOTTOM OF BUILDING
- BLKG. BLOCKING
- C.F.M.F. COLD FORMED METAL FRAMING
- CFB. CEMENTITIOUS FIBER BOARD
- CI. CONTINUOUS INSULATION
- CL. CENTERLINE
- CL.G. CEILING
- CLG. CLEAR
- COL. COLUMN
- CONC. CONCRETE
- CONSTR. CONSTRUCTION
- CONT. CONTINUOUS
- COORD. COORDINATE
- DEMO. DEMOLITION
- DET. DETAIL
- DI. DIAMETER
- DM. DIMENSION
- DISP. DISPENSER
- DN. DOWN
- D.P.F. DAMPPROOFING
- D.P. DAMPPROOF
- DWG.S. DRAWINGS
- EA. EACH
- E.I.F.S. EXTERIOR INSULATION & FINISH SYSTEM
- EJ. EXPANSION JOINT
- ELEC. ELECTRICAL
- ELEV. ELEVATION
- ELEV. ELEVATOR
- ENCL. ENCLOSURE
- EQ. EQUIPMENT
- ENC. ELECTRIC WATER COOLER
- EXH. EXHAUST
- EXT. EXTERIOR
- EXF. EXISTING
- FACE OF FIRE ALARM CONTROL PANEL
- F.A.C.P. FLOOR ALARM CONTROL PANEL
- F.D. FLOOR DRAIN
- F.E.C. FIRE EXTINGUISHER (CABINET)
- F.F.E. FINISH FLOOR ELEVATION
- FIN. FINISH
- FIX. FIXTURE
- FUR. FLOOR FURRING
- FURR. FURRING
- GA. GAUGE
- GALV. GALVANIZED
- GEN. GENERAL CONTRACTOR
- GLAZ. GLAZING / GLASS
- GYP. BD. GYPSUM BOARD
- HW. HARDWARE
- HT. HEIGHT
- H.M. HOLLOW METAL
- HR. HORIZONTAL
- HR. HOUR
- INSUL. INSULATION
- INTER. INTERIOR
- JAN. JANITOR
- JOINT. JOINT
- L.A.T. LAY IN ACOUSTICAL TILE
- LAV. LAVATORY
- L.B.P. LEAD BASED PAINT
- MAS. MASONRY
- MAX. MAXIMUM
- MECH. MECHANICAL
- MANUF. MANUFACTURER
- MIN. MINIMUM
- MISC. MISCELLANEOUS
- M.O. MASONRY OPENING
- MTD. MOUNTED
- MTL. METAL
- NA. NOT APPLICABLE
- N.C. NOT IN CONTRACT
- N.T.S. NOT TO SCALE
- NOM. NOMINAL
- O.C. ON CENTER
- O.D. OUTSIDE DIAMETER
- OPG. OPENING
- OPP. OPPOSITE
- ORIG. ORIGINAL
- PLAST. PLASTER
- PREFAB. PRE-FABRICATED
- PREFIN. PRE-FINISHED
- PTD. PAINTED
- PART. PARTITION
- PLYWOOD. PLYWOOD
- RB. RUBBER BASE
- R.C. RESILIENT CHANNEL
- R.D. ROOF DRAIN
- REF. REFERENCE
- REF. REFERENCE
- REQ. REQUIRED
- RESL. RESILIENT
- ROOM. ROOM
- R.O. ROUGH OPENING
- R.T.U. ROOF TOP UNIT
- SCHED. SCHEDULE
- SECT. SECTION
- SHWR. SHOWER
- SM. SIMILAR
- SPEC. SPECIFICATION / SPECIFIED
- SQ. SQUARE
- SQ.FT. SQUARE FEET
- S.S.T. STAINLESS STEEL
- S.T.C. SOUND TRANSMISSION COEFFICIENT
- STD. STANDARD
- STL. STEEL
- STRUCT. STRUCTURAL
- SUSP. SUSPENDED
- SYM. SYMMETRICAL
- SYSTEM. SYSTEM
- T. TOP OF
- TEMP. TEMPORARY
- T&G. TONGUE & GROOVE
- THK. THICKNESS
- TYP. TYPICAL
- U.O.N. UNLESS OTHERWISE NOTED
- VERT. VERTICAL
- V.F. VERT. IN FIELD
- W. WITH
- W.C. WATER CLOSET
- WD. WOOD
- WID. WINDOW
- W/O. WITHOUT
- W.B. WEATHER BARRIER
- W.P. WATERPROOFING

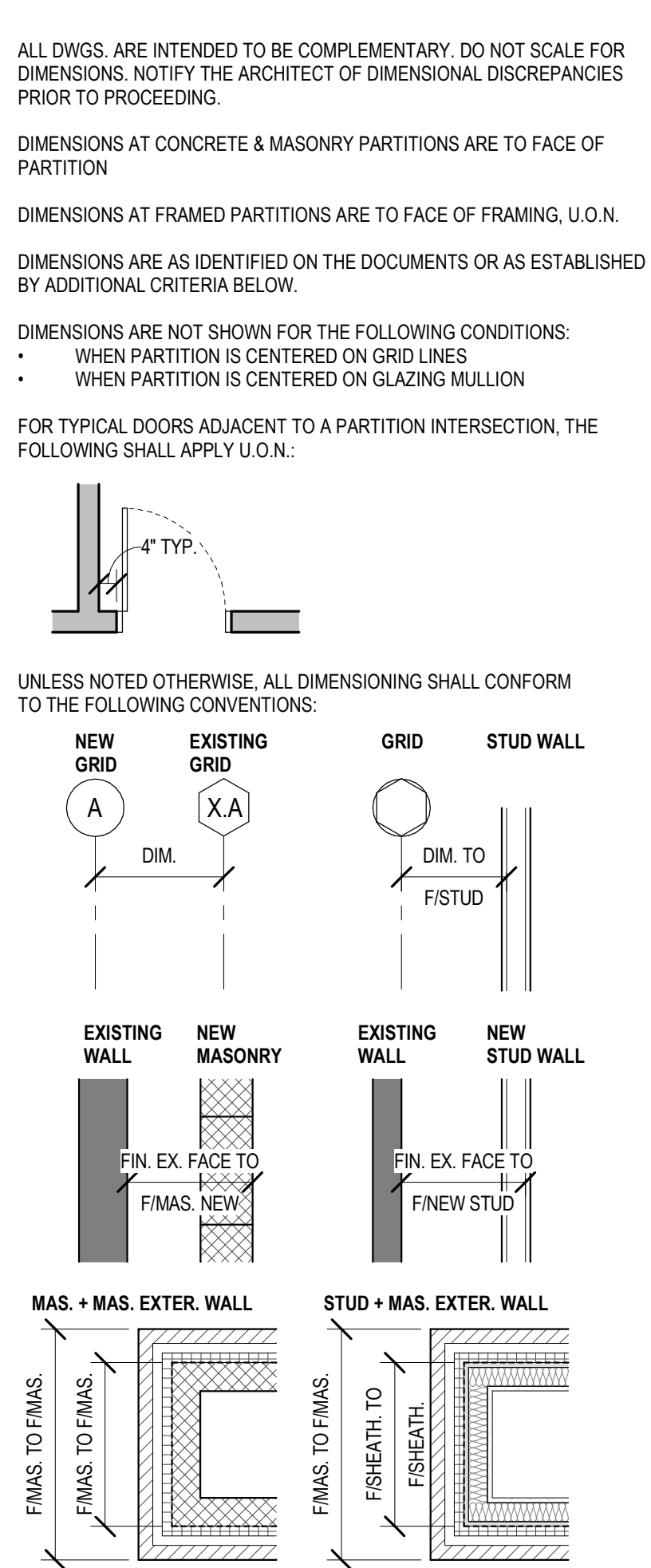
# SYMBOLS

- BRICK
- CONCRETE
- STONE / CAST STONE
- CONCRETE MASONRY UNITS
- GRAVEL
- GYPSUM BOARD / GROUT
- INSULATION (BATT)
- INSULATION (RIGID)
- STEEL
- ALUMINUM
- SHEATHING
- WOOD (SOLID WOOD)
- CONTINUOUS BLKG.
- DISCONTINUOUS BLKG.
- WATERPROOFING
- DAMPPROOFING
- WEATHER BARRIER
- VAPOR BARRIER
- ROOF MEMBRANE
- ELEVATION TAG
- INTER ELEVATION TAG
- SECTION TAG
- LEVEL LINE TAG
- WINDOW TAG
- STOREFRONT TAG
- ROOM NAME TAG
- DOOR TAG
- PARTITION TAG
- CEILING HEIGHT TAG
- WALL & BASE FINISH TAG
- FLOOR FINISH TAG
- FLOOR TRANSITION TAG
- FULL ROOM FINISH TAG
- KEYNOTES (AS APPLICABLE PER SHEET)
- SPECIALTY ITEM TAG

# GENERAL NOTES

1. NOTES APPEAR ON VARIOUS DRAWINGS FOR VARIOUS DISCIPLINES FOR DIFFERENT SYSTEMS AND MATERIALS. REVIEW ALL SHEETS AND APPLY NOTES TO RELATED BUILDING COMPONENTS.
2. REFER TO COMPLETE SET OF ISSUED CONTRACT DOCUMENTS FOR OTHER APPLICABLE NOTES, ABBREVIATIONS, AND SYMBOLS.
3. WHERE MATERIALS ARE APPLIED TO, OR ARE IN DIRECT CONTACT WITH WORK INSTALLED BY ANOTHER SUBCONTRACTOR, COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE SUBSTRATE AS SUITABLE FOR THE APPLICATION INTENDED.
4. ISOLATE DISSIMILAR METALS TO PREVENT GALVANIC CORROSION.
5. PARTITION TYPES AND FIRE RESISTIVE RATINGS INDICATED ON A WALL ARE TO BE CONTINUOUS FOR THE LENGTH AND HEIGHT OF A PARTITION.
6. OPENINGS IN RATED WALL, FLOOR, CEILING AND ROOF ASSEMBLIES SHALL BE SEALED WITH PENETRATION SEALANT SYSTEMS MEETING OR EXCEEDING THE REQUIRED FIRE RESISTIVE RATINGS.
7. MAINTAIN THE FIRE RATING OF CONSTRUCTION AROUND CABINETS, PANELS, AND BOXES RECESSED IN FIRE RATED WALL, FLOOR, AND CEILING ASSEMBLIES.
8. PROVIDE CONTINUOUS PERIMETER FIRE SAFING BETWEEN FLOORS AND COORDINATE THE INSTALLATION WITH THE EXTERIOR WALL. FIRE RATING OF SAFING SHALL MATCH FIRE RATING OF FLOOR CONSTRUCTION.
9. DO NOT SCALE THE DRAWINGS.
10. FIELD MEASURE AND CONFIRM DIMENSIONS FOR OWNER PROVIDED EQUIPMENT AND FURNISHINGS.
11. PROVIDE STIFFENERS, BRACING, BACKING PLATES AND BLOCKING REQUIRED FOR SECURE INSTALLATION OF TOILET PARTITIONS, DOORS AND DOOR HARDWARE INCLUDING WALL-MOUNTED DOOR STOPS, HANDRAILS, WALL-MOUNTED SHELVES, OPERABLE PARTITIONS, MISCELLANEOUS EQUIPMENT, AND SUSPENDED MECHANICAL AND ELECTRICAL EQUIPMENT.
12. COORDINATE ALL BASE AND HOUSEKEEPING PADS WITH MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.
13. LOCATE ACCESS PANELS AS INDICATED ON DRAWINGS. FOR ACCESS PANELS NOT SHOWN BUT REQUIRED BY PROVISIONS OF THE CONTRACT DOCUMENTS, LOCATED IN ACCORDANCE WITH APPLICABLE CODES. SUBMIT PROPOSED LOCATIONS TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION.
14. COORDINATE WITH CIVIL FOR ALL FINISH GRADES.
15. COORDINATE ALL SLAB PENETRATIONS WITH TRADES.
16. FRAMING TO BE SIGN SEALED BY A LICENSED ENGINEER.

# DIMENSIONING CRITERIA



# PROJECT DESCRIPTION

THE PROJECT CONSISTS OF A 1-STORY 17,000 SF OFFICE BUILDING WITH A MIXED USE OCCUPANCY OF ASSEMBLY (A-3) AND BUSINESS (B). THE BUILDING INCLUDES A LARGE BOARD ROOM, OFFICE AND ADMINISTRATIVE FUNCTIONS, AND A STORM SHELTER. THE BUILDING WILL BE SPRINKLERED.

**OWNER**  
PEARL RIVER VALLEY WATER SUPPLY DISTRICT  
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601.956.3663 (P)  
NAT WHITTEN  
nwhitten@pickeringfirm.com

IN ALL CORRIDORS:

- ALIGN ALL RECESSED CAN LIGHT FIXTURES W/  $\kappa$  OF CORRIDOR & DIM. AS SHOWN ON RCP.
- WHERE DIFFUSERS & GRILLES OCCUR, ALIGN W/  $\kappa$  OF CORRIDOR & CENTER BETWEEN LIGHT FIXTURES.
- WHERE ALL OTHER ELEC. DEVICES OCCUR IN CEILINGS, CENTER BETWEEN ADJACENT LIGHT FIXTURES, DIFFUSERS, GRILLES, ETC. WHERE POSSIBLE.
- WHERE SPRINKLER HEADS OCCUR, ALIGN W/  $\kappa$  OF CORRIDOR & SPACE AS NECESSARY TO ACHIEVE REQUIRED COVERAGE.

# PROJECT TEAM

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# DRAWING INDEX

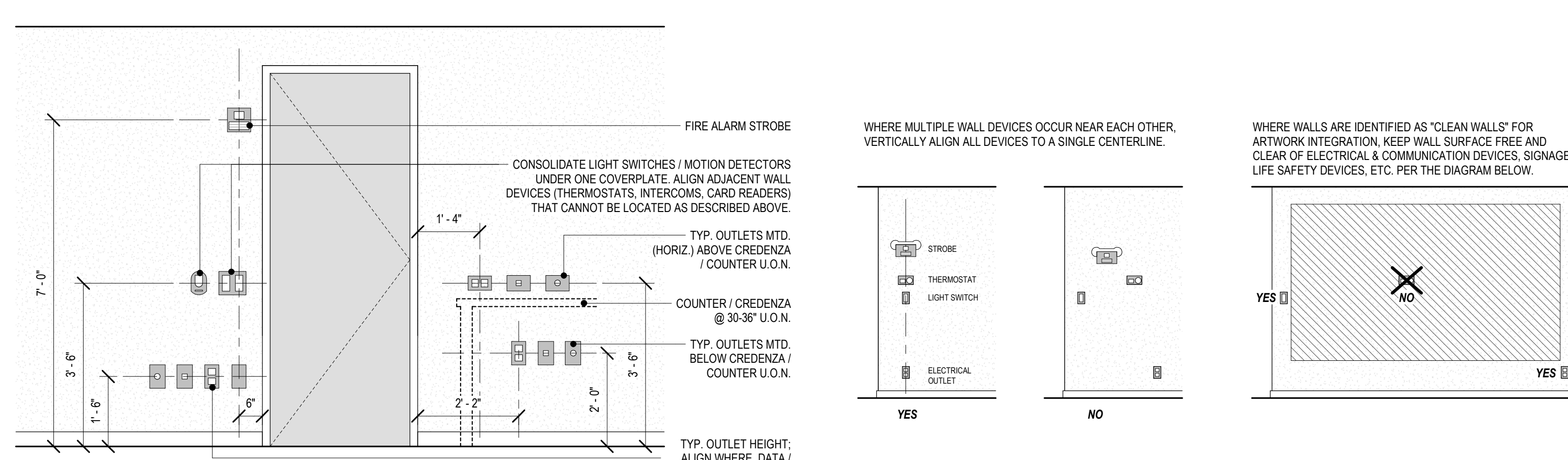
INDEX OF DRAWINGS				INDEX OF DRAWINGS			
SHEET NUMBER	SHEET NAME	ISSUE DATE	REV. DATE	SHEET NUMBER	SHEET NAME	ISSUE DATE	REV. DATE
<b>01 - REFERENCE</b>							
R000	COVER SHEET	06/21/24		M001	HVAC LEGENDS, ABBREVIATIONS, AND NOTES	06/21/24	
R100	PROJECT INFO	06/21/24	08/26/24	M2101	HVAC ZONING PLAN	06/21/24	
R200	LIFE SAFETY COMPLIANCE	06/21/24	08/26/24	M101	OVERALL HVAC FLOOR PLAN	06/21/24	
RZ10	ACCESSIBILITY COMPLIANCE	06/21/24		M102	OVERALL HVAC ATTIC PLAN	06/21/24	
<b>02 - CIVIL</b>							
C1.0	GENERAL NOTES	06/21/24		M103	HVAC FLOOR PLAN - PART "A"	06/21/24	
C2.0	EXISTING CONDITIONS & DEMOLITION PLAN	06/21/24	08/26/24	M104	HVAC FLOOR PLAN - PART "B"	06/21/24	
C3.0	SITE & UTILITY PLAN	06/21/24	08/26/24	M105	HVAC FLOOR PLAN - PART "C"	06/21/24	
C3.1	LANDSCAPE PLAN	08/26/24	08/26/24	M106	HVAC FLOOR PLAN - PART "D"	06/21/24	
C4.0	GRADING & DRAINAGE PLAN	06/21/24		M401	ENLARGED MECHANICAL PLATFORM HVAC PLAN	06/21/24	
C4.1	SPOT ELEVATION PLAN	06/21/24		M402	ENLARGED MECHANICAL PLATFORM HVAC PLAN	06/21/24	
C5.0	EROSION CONTROL PLAN	06/21/24		M501	HVAC DETAILS	06/21/24	
C6.0	CONSTRUCTION DETAILS - SITE	06/21/24		M601	HVAC SCHEDULES	06/21/24	08/09/24
C6.1	CONSTRUCTION DETAILS - SANITARY SEWER	06/21/24		M602	HVAC SCHEDULES	06/21/24	
C6.2	CONSTRUCTION DETAILS - WATER	06/21/24	08/26/24	<b>08 - FIRE PROTECTION</b>			
C6.3	CONSTRUCTION DETAILS - STORM SEWER	06/21/24		FP001	ABBREVIATIONS, LEGENDS, GENERAL NOTES, & CODE REVIEW	06/21/24	
C6.4	CONSTRUCTION DETAILS - ADS HP STORM SEWER	06/21/24		FP101	FLOOR PLAN - FIRE PROTECTION	06/21/24	
C6.5	CONSTRUCTION DETAILS - NYLOPLAST DRAIN BASIN	06/21/24		FP201	FIRE PROTECTION DETAILS AND SCHEDULES	06/21/24	
C6.6	CONSTRUCTION DETAILS - INSERTA TEE DETAIL	06/21/24		<b>09 - PLUMBING</b>			
C6.7	CONSTRUCTION DETAILS - MDOOT SS-2	06/21/24		P001	ABBREVIATIONS, LEGENDS, GENERAL NOTES, & CODE REVIEW	06/21/24	
C6.8	CONSTRUCTION DETAILS - MDOOT SS-3	06/21/24		P101	FLOOR PLAN - PLUMBING SANITARY	06/21/24	
C6.9	EROSION CONTROL DETAILS	06/21/24		P102	FLOOR PLAN - PLUMBING SUPPLY	06/21/24	
<b>05 - ARCHITECTURE</b>							
A101	FLOOR PLAN	06/21/24	08/26/24	P103	ATTIC FLOOR PLAN - PLUMBING SANITARY	06/21/24	
A102	ENLARGED FLOOR PLANS	06/21/24		P104	ATTIC FLOOR PLAN - PLUMBING GAS SUPPLY	06/21/24	
A103	REFLECTED CEILING PLAN	06/21/24	08/26/24	P201	PLUMBING DETAILS	06/21/24	
A104	ROOF PLAN	06/21/24	08/26/24	P301	PLUMBING SCHEDULES	06/21/24	
A201	EXTERIOR ELEVATIONS	06/21/24	08/26/24	<b>10 - ELECTRICAL</b>			
A202	EXTERIOR ELEVATIONS	06/21/24	08/26/24	E000	ELECTRICAL LEGEND, SCHEDULE, AND NOTES	06/21/24	08/26/24
A203	BUILDING SECTIONS	06/21/24	08/26/24	E001	SITE PLAN	06/21/24	
A204	BUILDING SECTIONS	06/21/24	08/26/24	E002	ELECTRICAL PANEL SCHEDULES	06/21/24	
A301	WALL SECTIONS	06/21/24	08/26/24	E100	LIGHTING PLAN	06/21/24	
A302	WALL SECTIONS	06/21/24	08/26/24	E101	LIGHTING PLAN - MECH. PLATFORM	06/21/24	
A303	WALL SECTIONS	06/21/24	08/26/24	E200	POWER PLAN	06/21/24	08/09/24
A304	WALL SECTIONS	06/21/24	08/26/24	E201	POWER PLAN - MECH. PLATFORM	06/21/24	
A305	VERTICAL CIRCULATION	06/21/24		E300	MECHANICAL / AUXILIARY PLAN	06/21/24	08/26/24
A401	EXTERIOR DETAILS	06/21/24	08/26/24	E301	MECHANICAL PLAN - MECH. PLATFORM	06/21/24	
A402	INTERIOR DETAILS	06/21/24		<b>06 - STRUCTURAL</b>			
A501	DOOR OPENINGS & ENTRANCES	06/21/24	08/09/24	S100	STRUCTURAL NOTES	06/21/24	
A502	STOREFRONTS	06/21/24		S101	STRUCTURAL QUALITY ASSURANCE	06/21/24	
A601	FINISH LEGEND & SCHEDULE	06/21/24		S200	FOUNDATION PLAN	06/21/24	08/09/24
A602	FINISH PLAN	06/21/24	08/09/24	S201	ROOF FRAMING PLAN	06/21/24	08/09/24
A701	INTERIOR ELEVATIONS	06/21/24	08/26/24	S202	SHRIMP WALL PLAN AND DETAILS	06/21/24	
A702	INTERIOR ELEVATIONS	06/21/24	08/26/24	S300	DETAILS	06/21/24	08/09/24
A703	INTERIOR ELEVATIONS	06/21/24		S301	DETAILS	06/21/24	
A704	INTERIOR ELEVATIONS	06/21/24		S302	DETAILS	06/21/24	
A705	INTERIOR ELEVATIONS	06/21/24		S303	DETAILS	06/21/24	
A801	TYPICAL CASEWORK DETAILS	06/21/24	08/26/24	S304	DETAILS	06/21/24	
A802	CUSTOM CASEWORK DETAILS	06/21/24					
A803	CUSTOM CASEWORK DETAILS	06/21/24					
A901	SIGNAGE, FF&E, MISC	06/21/24					

# PARTITION LEGEND

PARTITION STRUCTURE	PARTITION ASSEMBLY		FIRE RATED CRITERIA			ADDITIONAL PERFORMANCE CRITERIA				
	CORE MAT.	NOM. WIDTH	N = NO FIRE RATING	S = SMOKE PARTITION	.5 = 30 MIN RATED	1 = 1 HR RATED	2 = 2 HR RATED	F = FURRED OUT	L = ACOUSTICAL LOW	H = ACOUSTICAL HIGH
C = CAST IN PLACE CONCRETE (COORD. W/STRUCT.)	6" = 6" C.I.P.							ADD 5/8" GYP. BD. 1 SIDE ON 7/8" MTL. FURRING	N/A	N/A
	8" = 8" C.I.P.									
	4" = 4" CMU									
M = CONCRETE MASONRY UNITS (COORD. W/STRUCT.)	6" = 6" CMU							ADD 5/8" GYP. BD. 1 SIDE ON 7/8" MTL. FURRING	FULLY GROUT CELLS	STC 51
	8" = 8" CMU									STC 55
S = STEEL STUD FRAMING	1 = 1 1/2" STUD	5/8" GYP. BD. ONE SIDE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2 = 2 1/2" STUD									
	4 = 3 5/8" STUD	5/8" GYP. BD. EA. SIDE U.O.N.	5/8" GYP. BD. EA. SIDE U.O.N.	5/8" FIRECODE 30 GYP. BD. EA. SIDE   UL U407	5/8" TYPE-X GYP. BD. EA. SIDE   UL U419	(2x) 5/8" TYPE-X GYP. BD. EA. SIDE UL U419				
W = WOOD STUD FRAMING	0 = 1/2" FURRING	5/8" GYP. BD. ONE SIDE	N/A	N/A	N/A	N/A	N/A			
	4 = 3 1/2" STUD	5/8" GYP. BD. EA. SIDE U.O.N.	5/8" GYP. BD. EA. SIDE U.O.N.	5/8" FIRECODE 30 GYP. BD. EA. SIDE   UL U407	5/8" TYPE-X GYP. BD. EA. SIDE   UL U305	(2x) 5/8" TYPE-X GYP. BD. EA. SIDE UL U301				
	6 = 5 1/2" STUD									
X = SHAFTWALL CONSTRUCTION	2 = 2 1/2" C-H STUD		N/A	N/A	N/A	5/8" GYP. BD. + 1" GYP. + SHAFT LINER PANEL UL U415-A	2 LAYERS 5/8" GYP. BD. + 1" GYP. + SHAFT LINER PANEL UL U415-B			
	4 = 4" C-H STUD									
	6 = 6" C-H STUD									

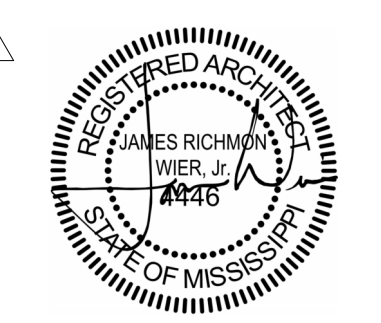
SEAL SEAMS, PENETRATIONS, & TRANSITIONS PER IBC & UL ASSEMBLY.

# DEVICE LOCATION CRITERIA



PEARL RIVER VALLEY WATER SUPPLY DISTRICT MAIN OFFICE

6018 Lakeshore Park  
Brandon, MS 39047





06.21.24

CONSTRUCTION DOCUMENTS  
WBA # 23-072

REVISIONS		
NO.	DESCRIPTION	DATE



**VICINITY MAP**  
1"=1000'

-  LIGHT DUTY ASPHALT PAVEMENT (26,720 SF)  
2" SURFACE COURSE SC-1, TYPE 8  
4" BASE COURSE BB-1, TYPE 6  
12" LIME TREATMENT, CLASS C, 6 PERCENT @ 98%  
STANDARD PROCTOR, 2' BEYOND BACK OF CURB
-  CONCRETE SIDEWALK (3,250 SF)  
4" PORTLAND CEMENT CONCRETE, 4000 PSI,  
WITH WELDED WIRE MESH  
COMPACTED SUBGRADE, 98%

**NOTES:**

1. ALL CURB DIMENSIONS SHOWN ARE TO FACE OF CURB (UNLESS OTHERWISE NOTED).
2. THE PAVEMENT DESIGN RECOMMENDATIONS SHOWN HERE ARE BASED ON GEOTECHNICAL REPORT.
3. REFER TO GEOTECHNICAL REPORT FOR UNDERCUT DEPTH, EARTHWORK CONSTRUCTION, AND SUBGRADE PREPARATION INFORMATION.
4. THE CONTRACTOR SHALL ENSURE THAT ALL SLEEVES FOR UNDERGROUND UTILITIES ARE INSTALLED PRIOR TO PAVING.
5. CONCRETE PAVEMENT CONSTRUCTION & JOINT LAYOUT SHALL CONFORM TO THE LATEST ACI 309R-08 "GUIDE FOR THE DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS" AND ACI 224.3R-95 "JOINTS IN CONCRETE CONSTRUCTION".
6. ALL EXISTING SURVEY AND TOPOGRAPHIC DATA IS SHOWN PER BOUNDARY SURVEY BY H D LANG AND ASSOCIATES, INC. DATED 11-27-23. FIELD VERIFY ALL EXISTING INFORMATION PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
7. ADD ALTERNATES SHOWN IN APPLICABLE VIEWS TYPICAL. SEE BID DOCUMENTS FOR DESCRIPTIONS OF ADD ALTERNATES.

**PARKING CALCULATIONS**

PARKING PROVIDED: 67 TOTAL SPACES (3 HANDICAP, 1 VAN ACCESSIBLE)

**SITE INFORMATION**

ZONING: SPECIAL USE DISTRICT (S-1)  
MAXIMUM BUILDING HEIGHT: 35 FEET  
MINIMUM LOT AREA: N/A  
SETBACKS: FRONT 50'  
SIDE 20'  
REAR 20'



21 JUNE 2024

**CONSTRUCTION DOCUMENTS**

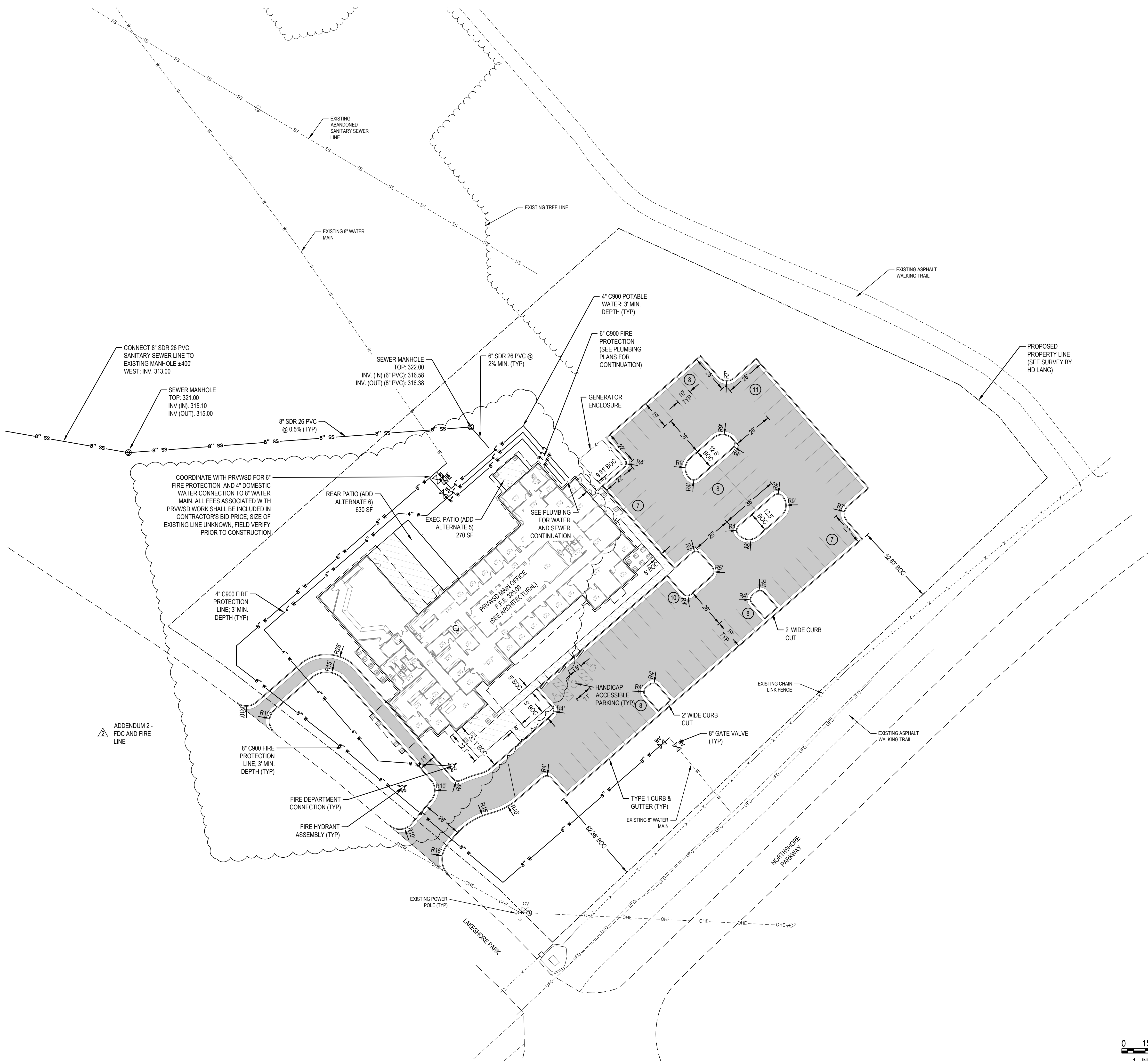
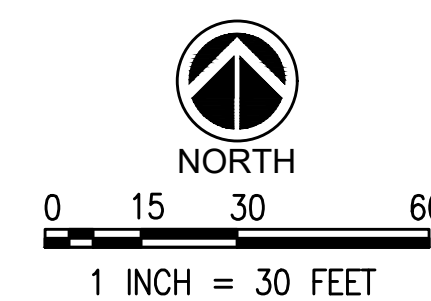
WBA # 23-072

**REVISIONS**

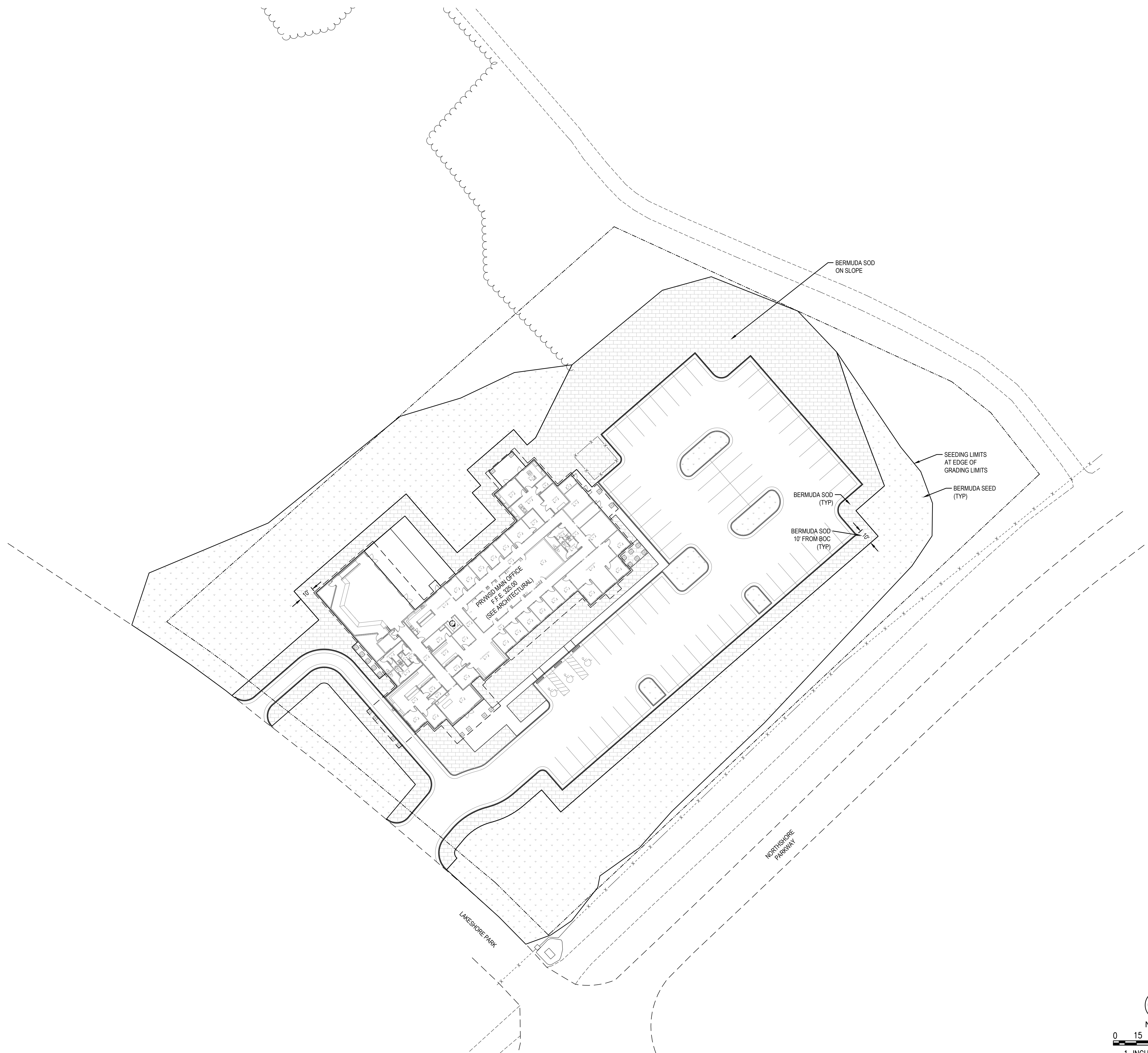
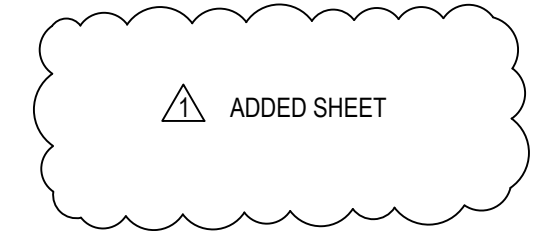
NO.	DESCRIPTION	DATE
1	ADDENDUM 1	8-9-24
2	ADDENDUM 2	8-26-24

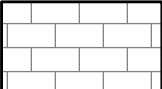



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PFI Job #: 26610.00 - 002



ADDENDUM 2 -  
FDC AND FIRE  
LINE



-  GRASS SOD (BERMUDA)  
TOTAL AREA=27,000 SF
-  GRASS SEED (BERMUDA)  
TOTAL AREA=43,200 SF

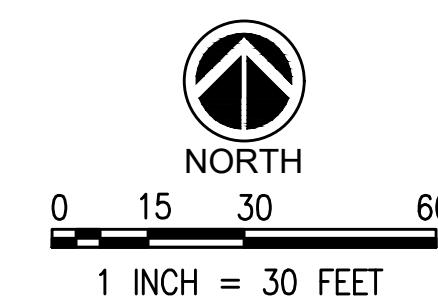


21 JUNE 2024

**CONSTRUCTION  
DOCUMENTS**

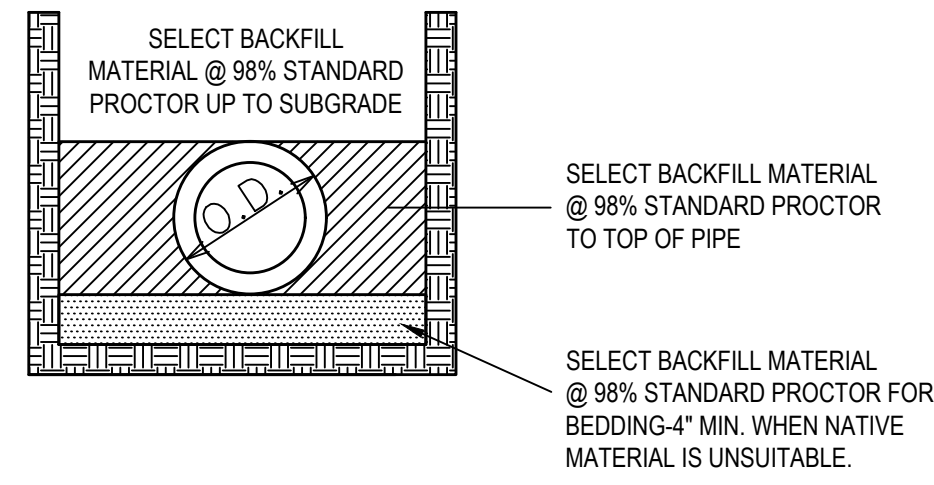
WBA # 23-072

REVISIONS		
NO.	DESCRIPTION	DATE
1	ADDENDUM 2	8-26-24



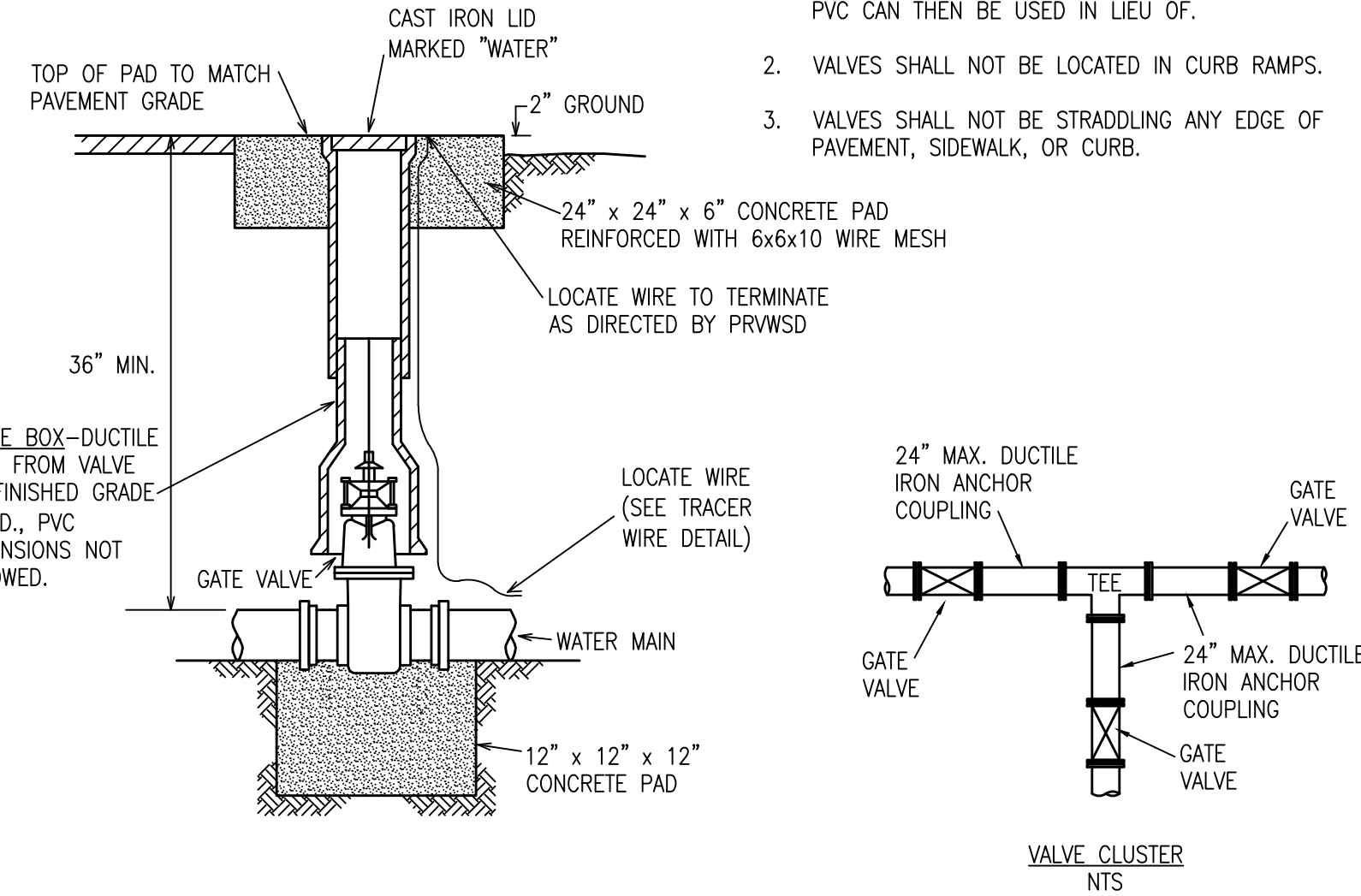
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PFI Job #: 26610.00 - 002





SELECT BACKFILL MATERIAL IS DEFINED AS SELECT NON ORGANIC SILTY CLAYS (CL) WITH LIQUID LIMIT LESS THAN 45 AND PI BETWEEN 10-24, AND LL LESS THAN 45.

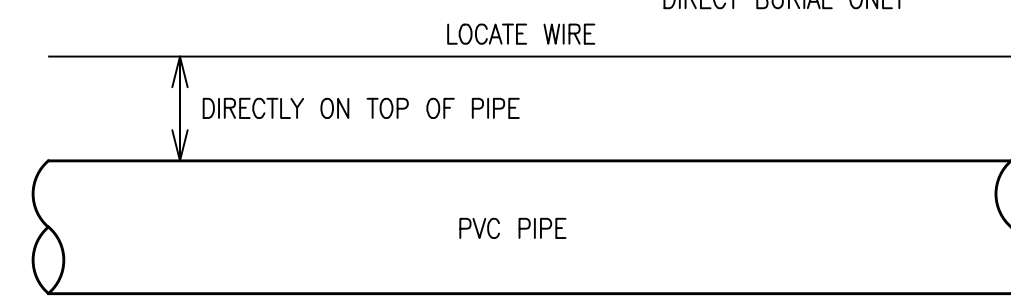
**1 BEDDING / BACKFILL-PVC WATER**  
SCALE: NOT TO SCALE



**2 GATE VALVE**  
SCALE: NOT TO SCALE

NOTES:  
1. AT A VALVE CLUSTER WHERE 24" MAX. DUCTILE IRON ANCHOR COUPLING CANNOT BE INSTALLED BETWEEN VALVE AND TEE PER THE DETAIL BELOW, THE VALVE SHALL BE LOCATED 10" MINIMUM FROM TEE WHERE PVC CAN THEN BE USED IN LIEU OF.

2. VALVES SHALL NOT BE LOCATED IN CURB RAMPS.  
3. VALVES SHALL NOT BE STRADDLING ANY EDGE OF PAVEMENT, SIDEWALK, OR CURB.



NOTES:  
1. TRACER WIRE REQ'D. ON ALL PRESSURIZED LINES UP TO METER.  
2. LOCATE WIRE TO HAVE A LOCATE STUB-OUT WIRE AT 300 FEET MAX.  
3. ALL LOCATE WIRE TO HAVE A 3M UNDERGROUND WATER CONNECTION.  
4. ALL TRACER WIRE SHALL BE TESTED BY PRVWSO AFTER INSTALLATION AND ANY DISCONTINUITIES FOUND SHALL BE REPAIRED PRIOR TO FINAL ACCEPTANCE.  
5. COMPENSATION FOR TRACER WIRE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR WATER LINES.  
6. TRACER WIRE SHALL BE LOCATED AT ALL HYDRANTS AND VALVE BOXES.

**3 TRACER WIRE DETAIL**  
SCALE: NOT TO SCALE

BEARING AREA IN SQ. FT.

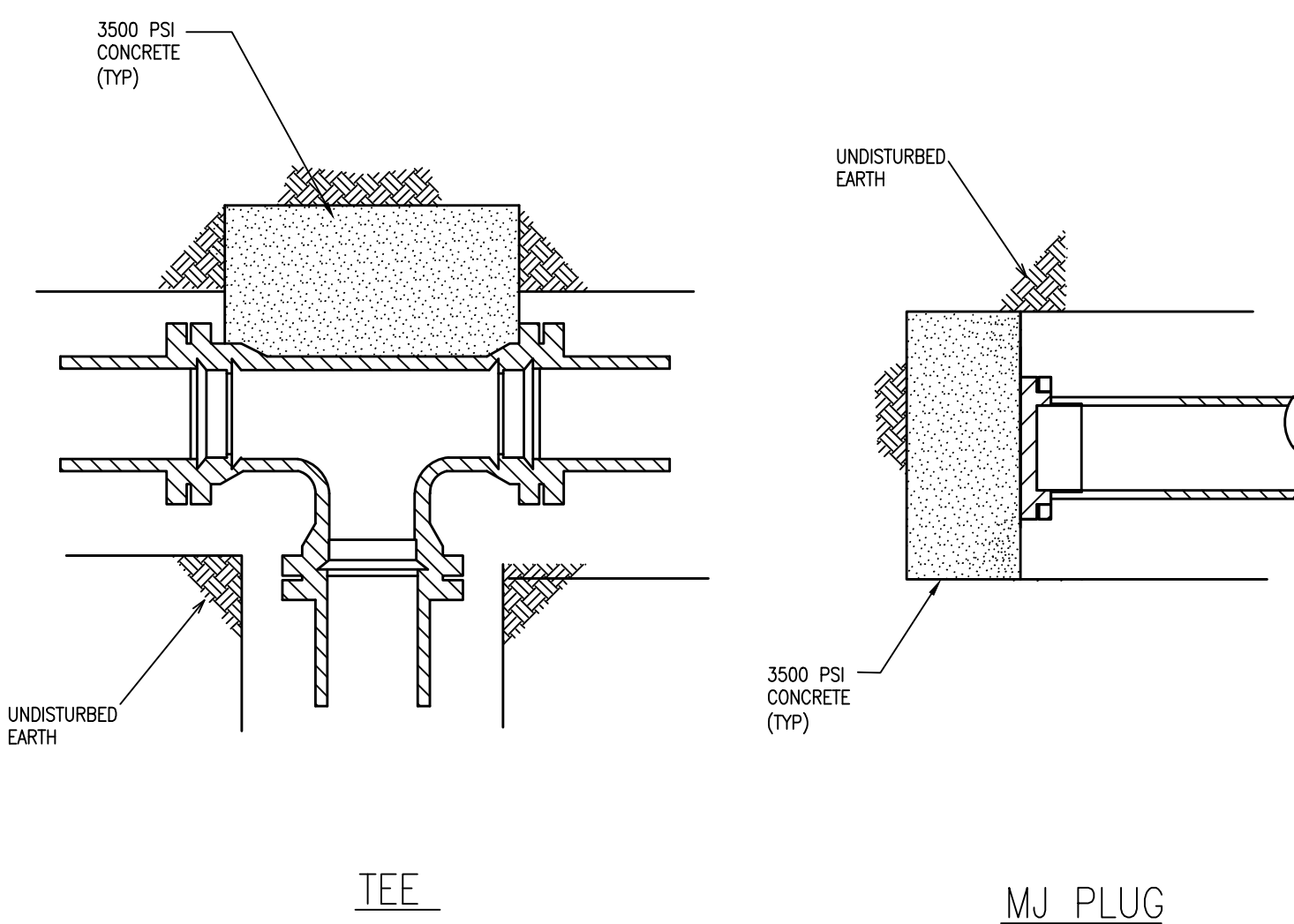
NOMINAL PIPE DIAMETER (N)	DEAD-END OR TEE	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4	2.0	2.0	2.0	2.0	2.0
6	2.0	2.0	2.0	2.0	2.0
8	3.0	3.0	2.0	2.0	2.0
12	5.0	5.0	4.0	3.0	3.0
16	8.0	12.0	6.0	4.0	4.0

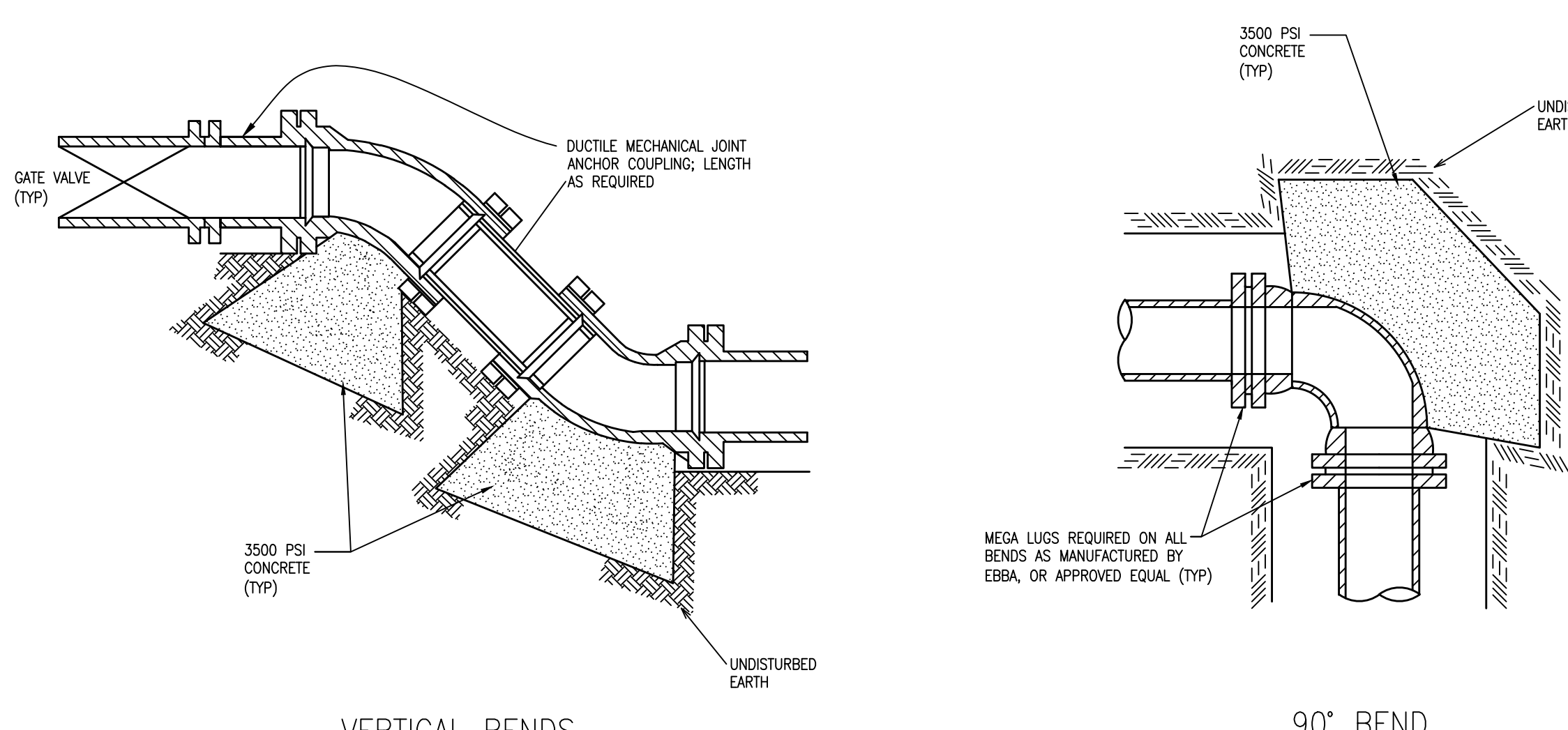
4	---	---	6.0 (.22)	4.0 (.15)	4.0 (.15)
6	---	---	14.0 (.52)	6.0 (.22)	4.0 (.15)
8	---	---	27.0 (1.0)	9.0 (.33)	6.0 (.22)
12	---	---	68.0 (2.5)	22.0 (.80)	9.0 (.33)
16	---	---	90.0 (3.33)	52.0 (1.9)	18.0 (.67)

VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT. (CU. YDS.)

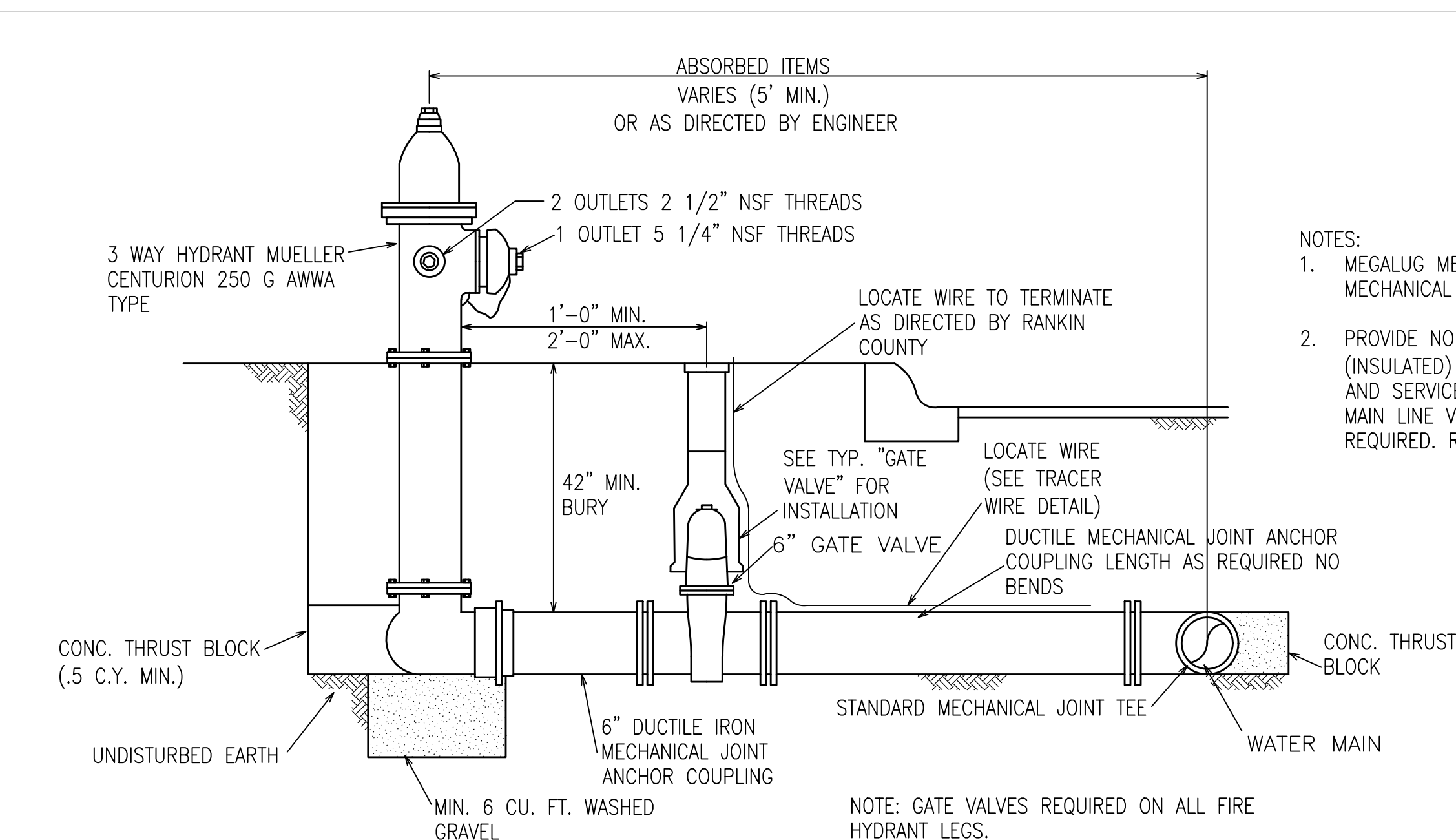
NOTE: MEGA LUGS AS MANUFACTURED BY EBBA, OR APPROVED EQUAL, REQUIRED AT ALL LOCATIONS WITH THRUST BLOCKING



**4 TYPICAL BLOCKING ON WATER MAIN**  
SCALE: NOT TO SCALE

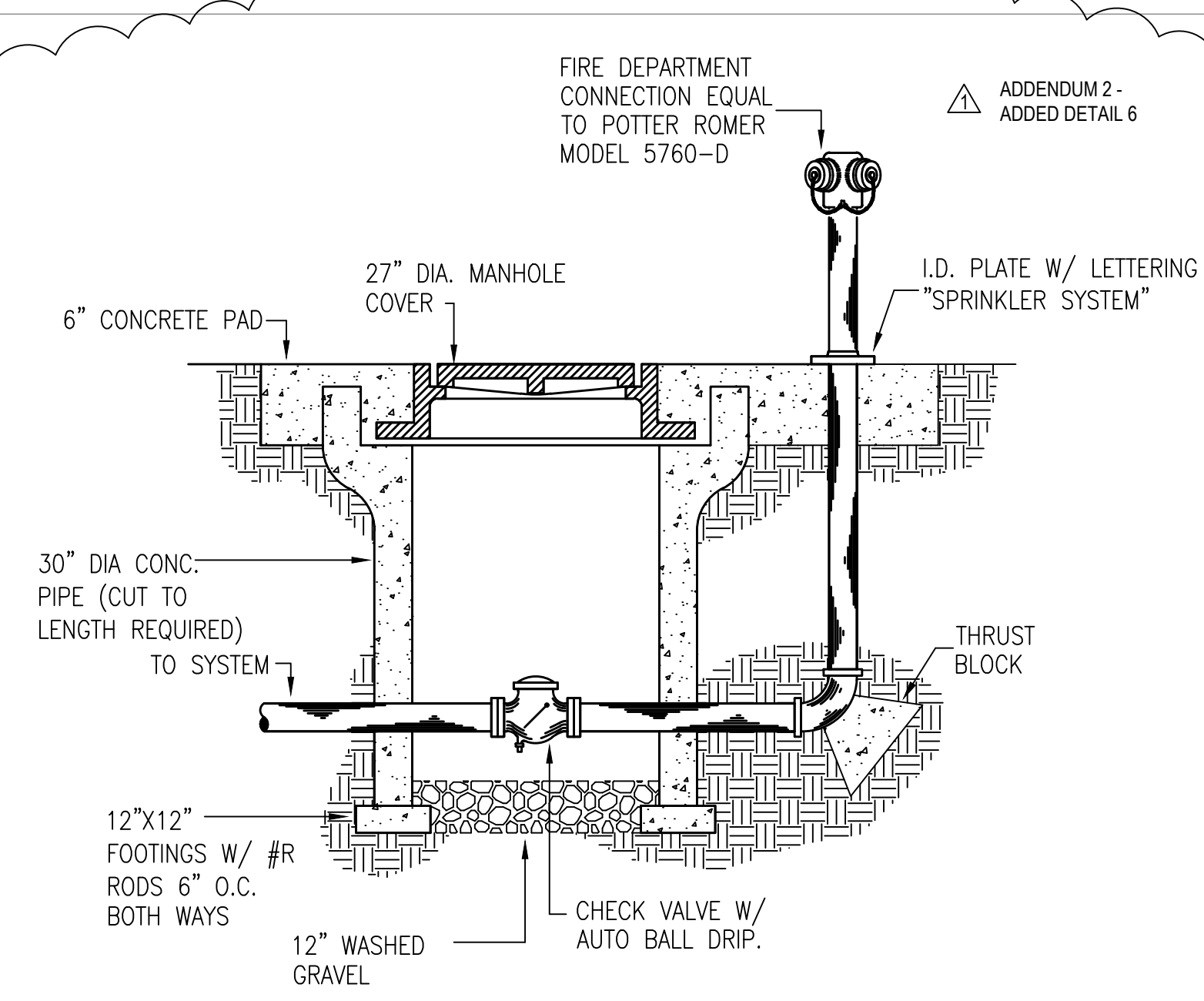


NOTES:  
1. COMPENSATION FOR CONCRETE THRUST BLOCKING & RESTRAINED JOINTS (MEGALUGS OR APPROVED EQUAL) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VALVES, FIRE HYDRANTS AND FITTINGS.  
2. COMPENSATION FOR ANCHOR COUPLINGS REQUIRED ON VALVES, FIRE HYDRANTS, & FITTING CONNECTIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VALVES, FIRE HYDRANTS AND FITTINGS.

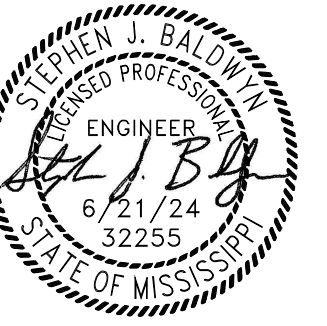


NOTES:  
1. MEGALUG MECHANICAL JOINT RESTRAINTS ON ALL MECHANICAL JOINTS.  
2. PROVIDE NO. 10 SOLID COPPER TRACER WIRE (INSULATED) ON WATER MAINS, FIRE HYDRANT LEGS, AND SERVICES. STUB UP AT ALL FIRE HYDRANTS, MAIN LINE VALVES, AND TEST STATIONS AS REQUIRED. REFER TO DETAIL 3 ON THIS SHEET.

**5 FIRE HYDRANT ASSEMBLY**  
SCALE: NOT TO SCALE



**6 FIRE DEPARTMENT CONNECTION**  
SCALE: NOT TO SCALE



21 JUNE 2024

**CONSTRUCTION DOCUMENTS**

WBA # 23-072

REVISIONS

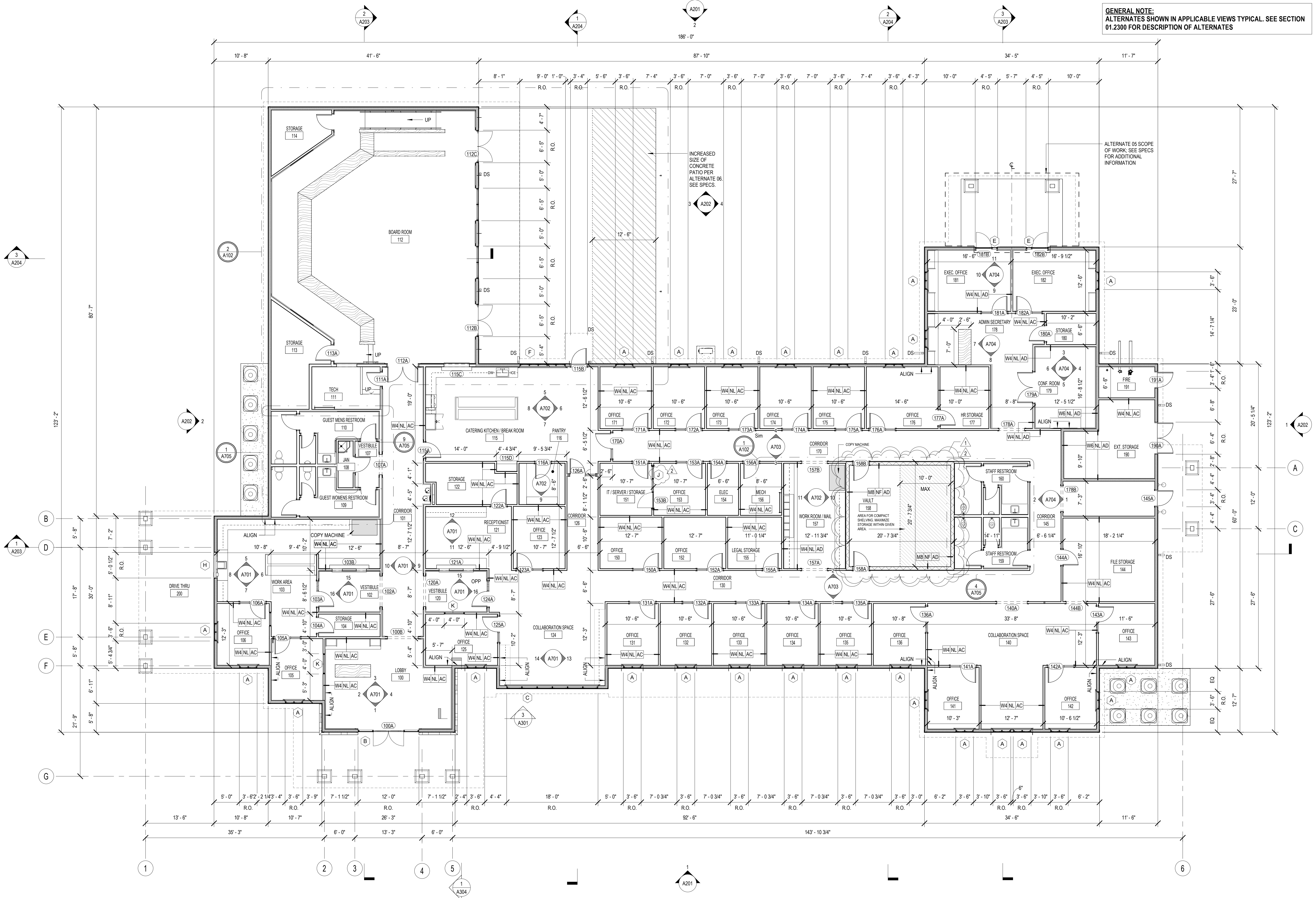
NO.	DESCRIPTION	DATE
1	ADDENDUM 2	8-26-24



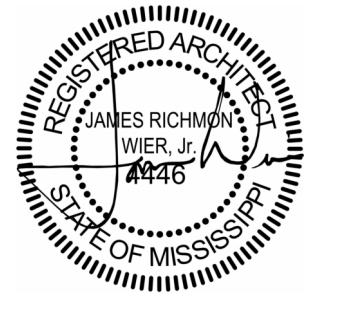
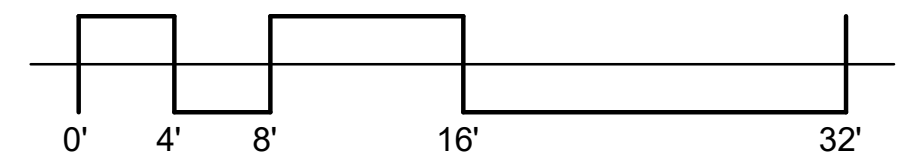
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PFI Job #: 26610.00 - 002



GENERAL NOTE:  
ALTERNATES SHOWN IN APPLICABLE VIEWS TYPICAL. SEE SECTION  
01.2300 FOR DESCRIPTION OF ALTERNATES



1 FLOOR PLAN  
1/8" = 1'-0"



06.21.24

**CONSTRUCTION  
DOCUMENTS**  
WBA # 23-072

REVISIONS

NO.	DESCRIPTION	DATE
1	Addendum 01	08/09/24
2	Addendum 02	08/26/24



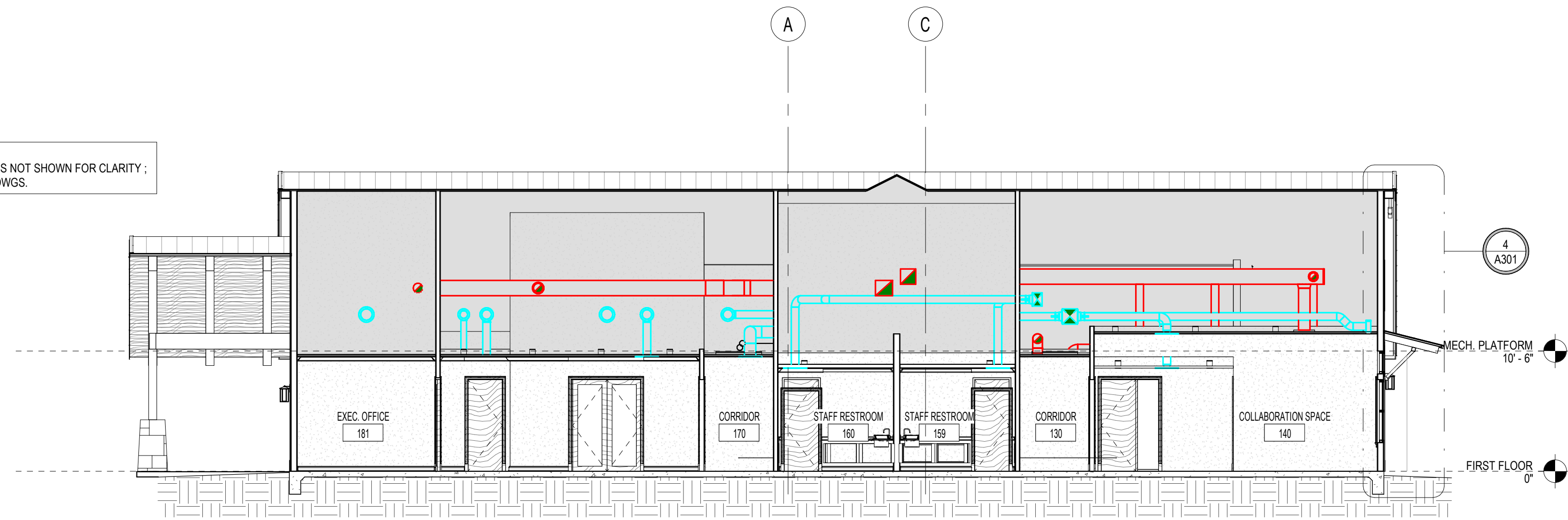
GENERAL NOTE:  
ALTERNATES SHOWN IN APPLICABLE VIEWS TYPICAL. SEE SECTION  
01.2300 FOR DESCRIPTION OF ALTERNATES



PEARL RIVER  
VALLEY WATER  
SUPPLY  
DISTRICT MAIN  
OFFICE

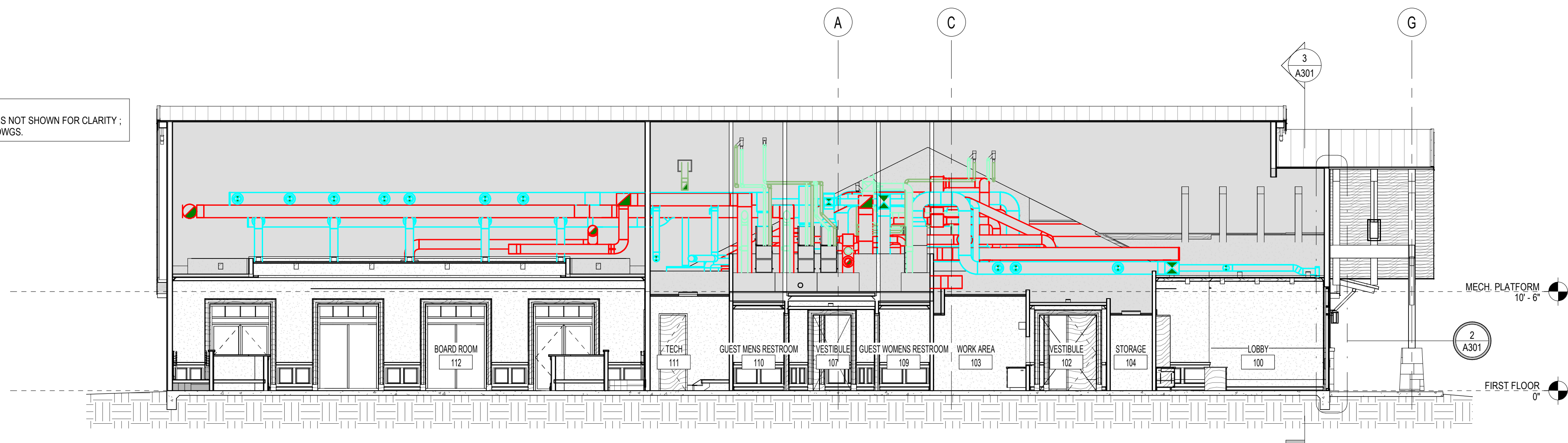
6018 Lakeshore Park  
Brandon, MS 39047

NOTE  
• ROOF TRUSSES NOT SHOWN FOR CLARITY;  
SEE STRUCT DWGS.



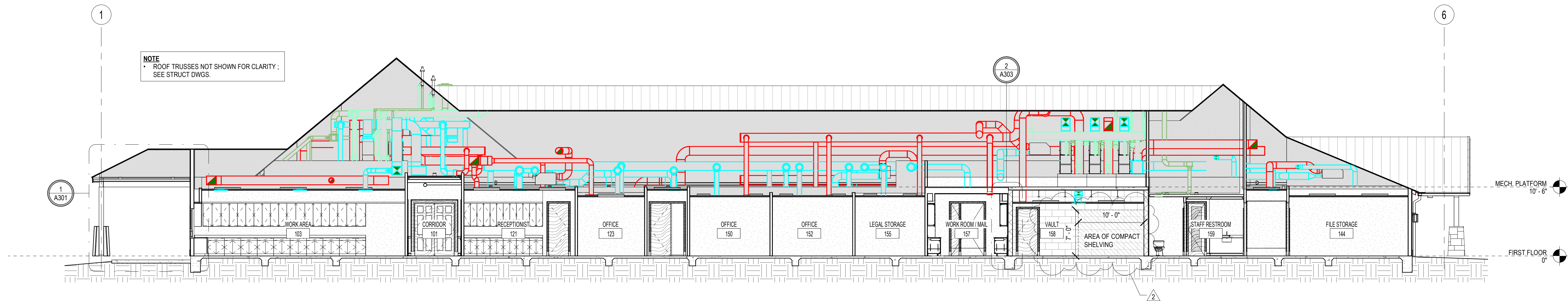
3 BUILDING SECTION 03  
1/8" = 1'-0"

NOTE  
• ROOF TRUSSES NOT SHOWN FOR CLARITY;  
SEE STRUCT DWGS.

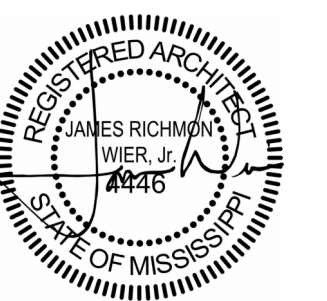


2 BUILDING SECTION 02  
1/8" = 1'-0"

NOTE  
• ROOF TRUSSES NOT SHOWN FOR CLARITY;  
SEE STRUCT DWGS.



1 BUILDING SECTION 01  
1/8" = 1'-0"

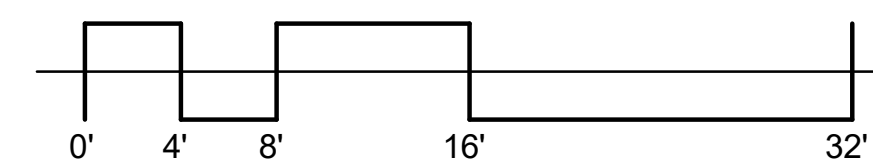


06.21.24

CONSTRUCTION  
DOCUMENTS  
WBA # 23-072

REVISIONS

NO.	DESCRIPTION	DATE
2	Addendum 02	08/26/24

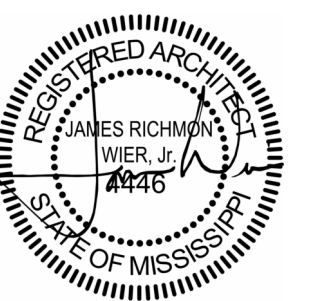
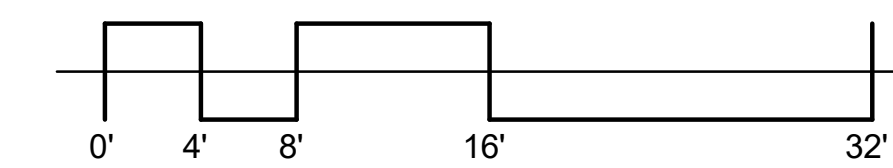
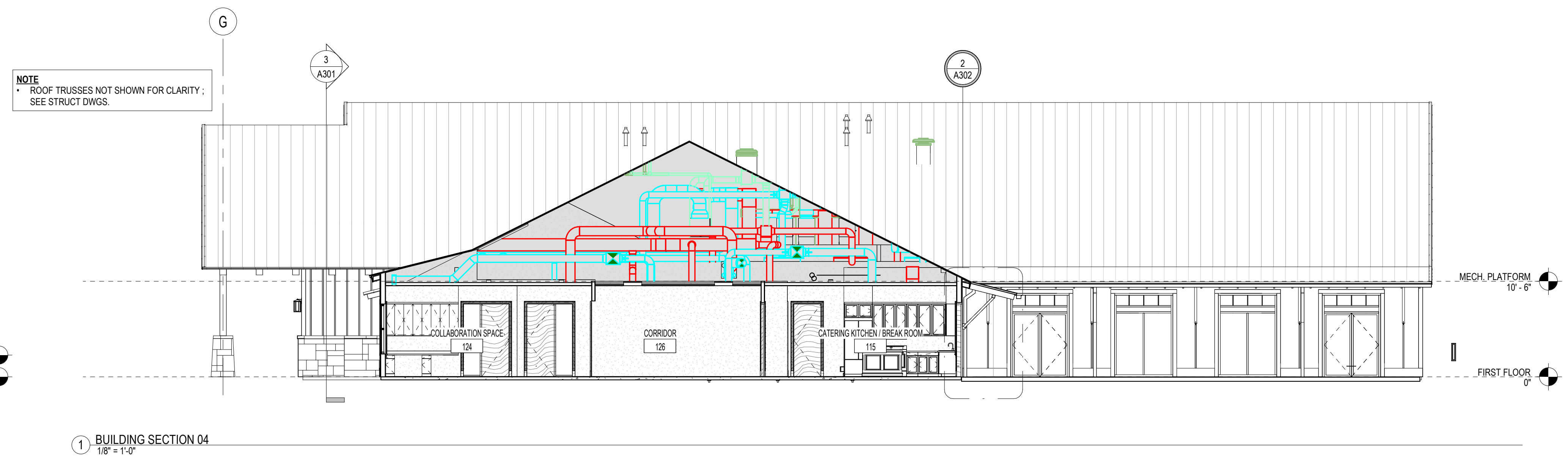
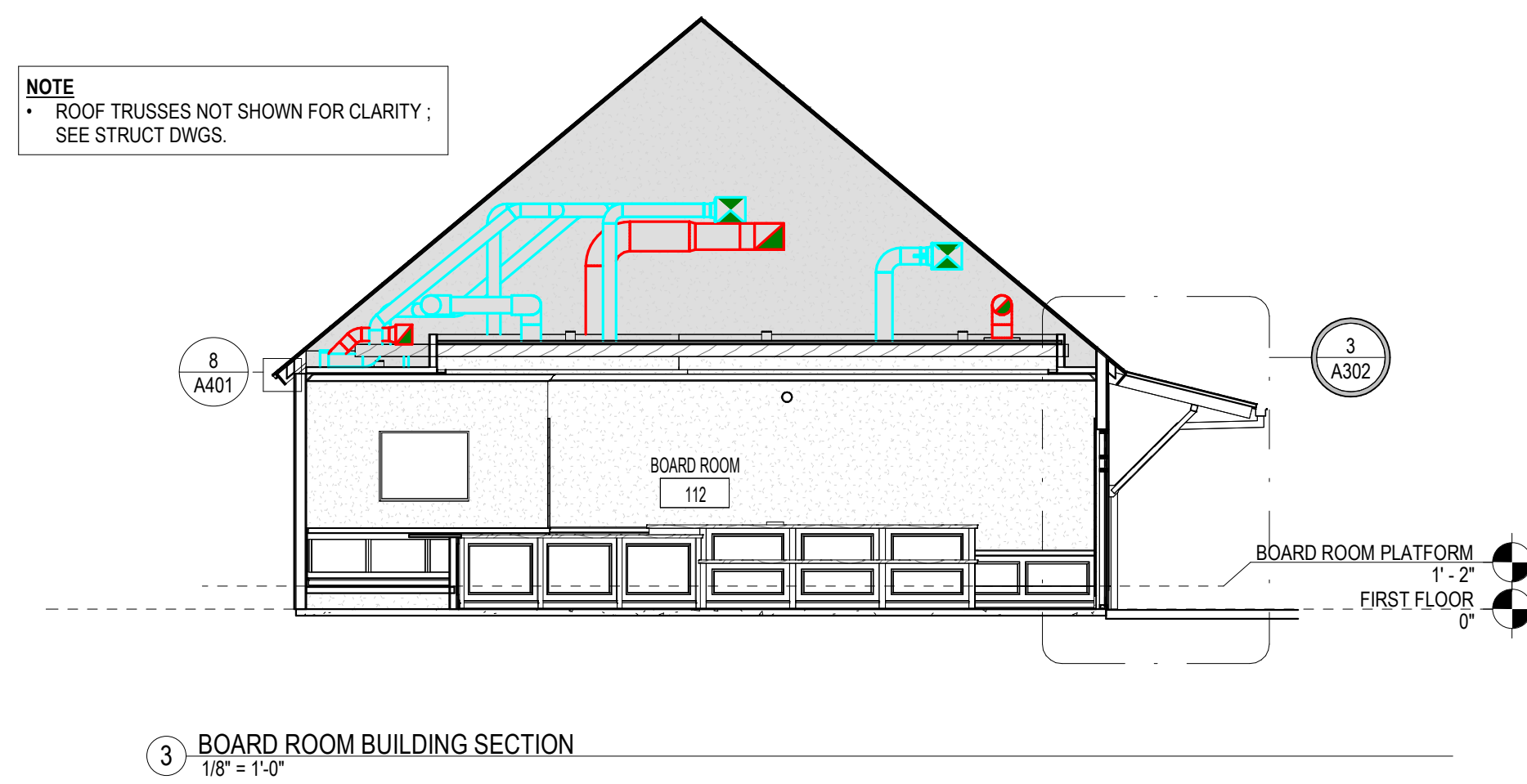
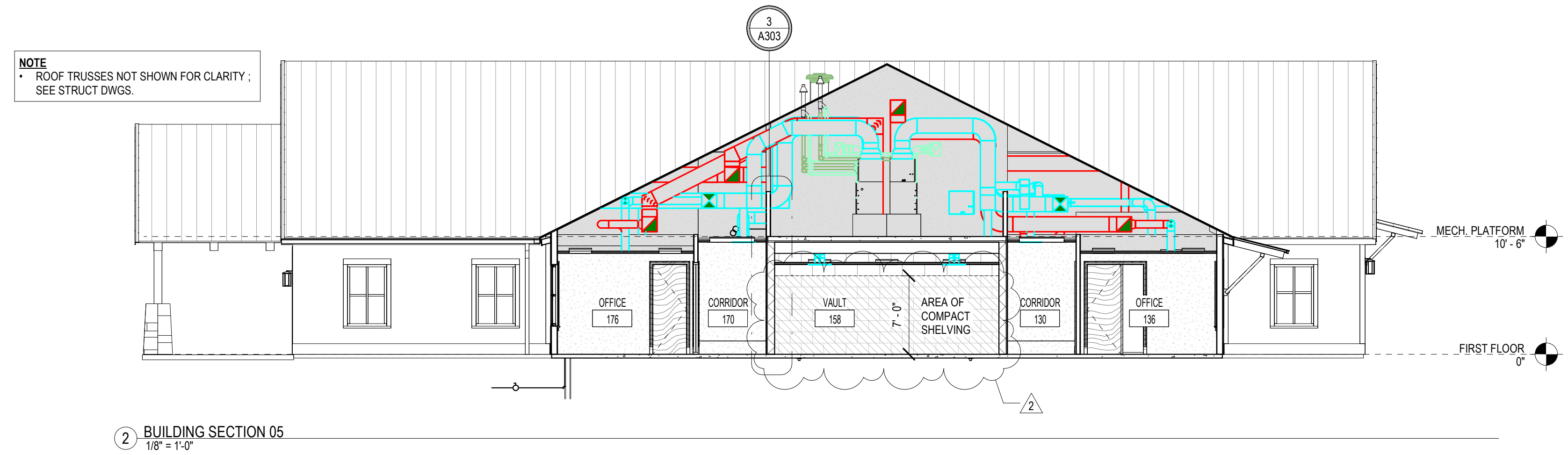


GENERAL NOTE:  
ALTERNATES SHOWN IN APPLICABLE VIEWS TYPICAL. SEE SECTION  
01.2300 FOR DESCRIPTION OF ALTERNATES



PEARL RIVER  
VALLEY WATER  
SUPPLY  
DISTRICT MAIN  
OFFICE

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Brandon, MS 39047



06.21.24

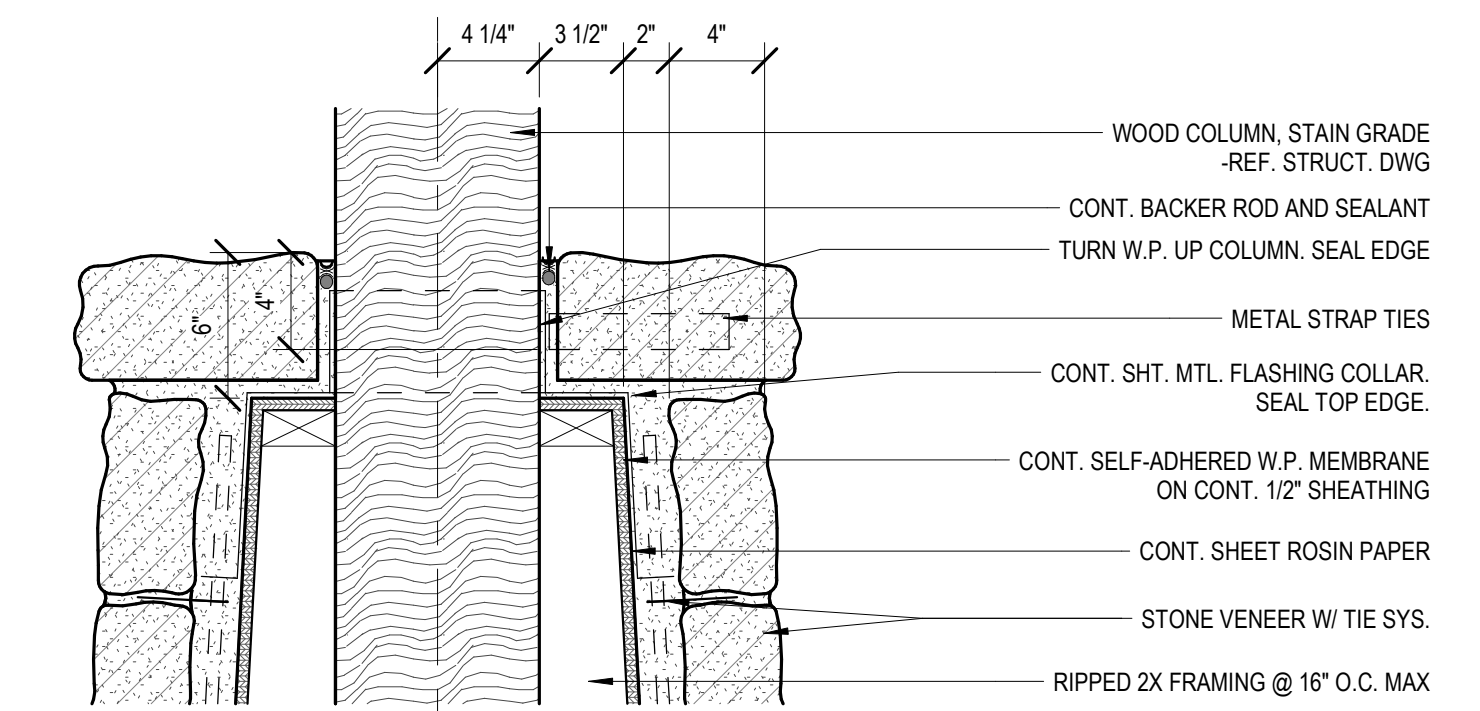
CONSTRUCTION  
DOCUMENTS  
WBA # 23-072

REVISIONS

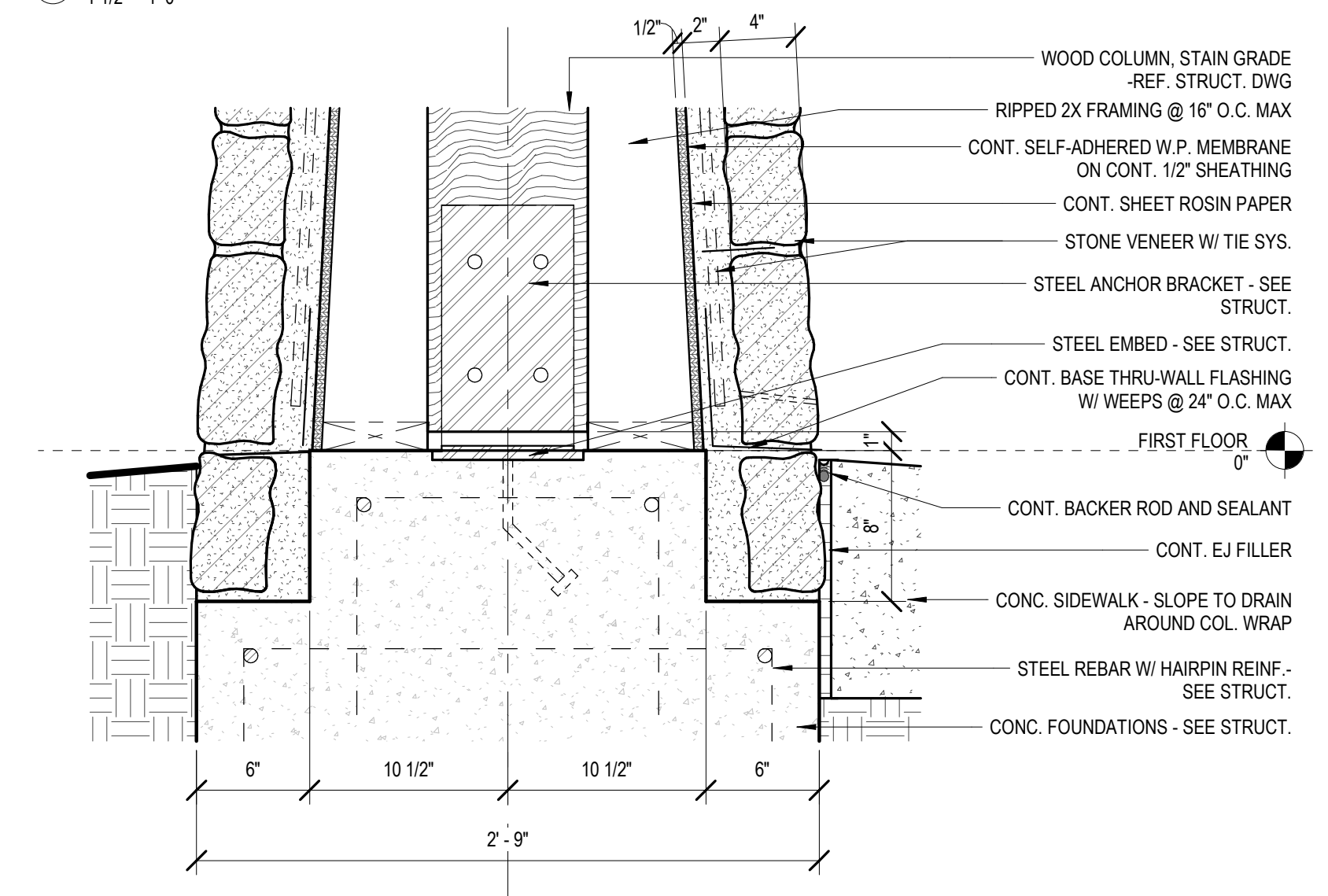
NO.	DESCRIPTION	DATE
2	Addendum 02	08/26/24



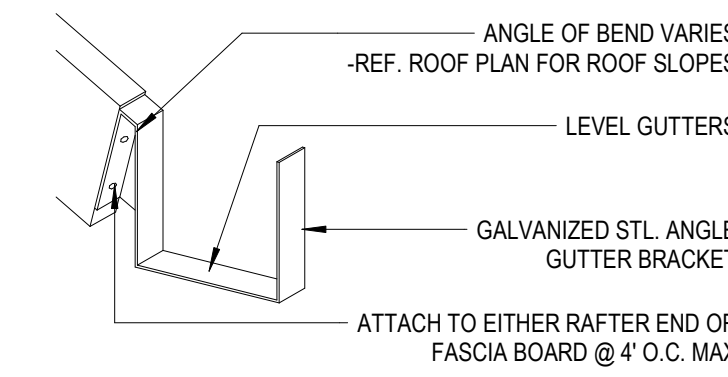
GENERAL NOTE:  
ALTERNATES SHOWN IN APPLICABLE VIEWS TYPICAL. SEE SECTION  
01.2300 FOR DESCRIPTION OF ALTERNATES



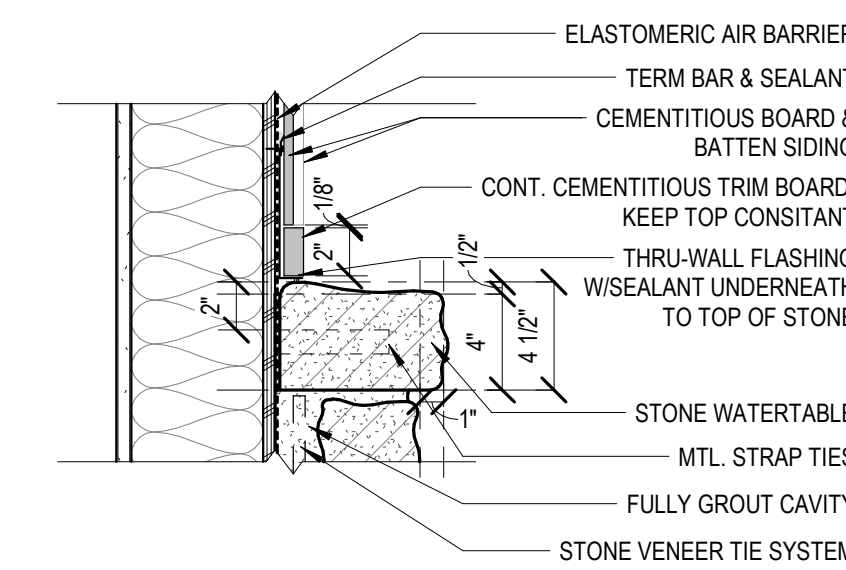
15 SECTION DTL - STONE COPING @ PORCH COLUMN  
1 1/2" = 1'-0"



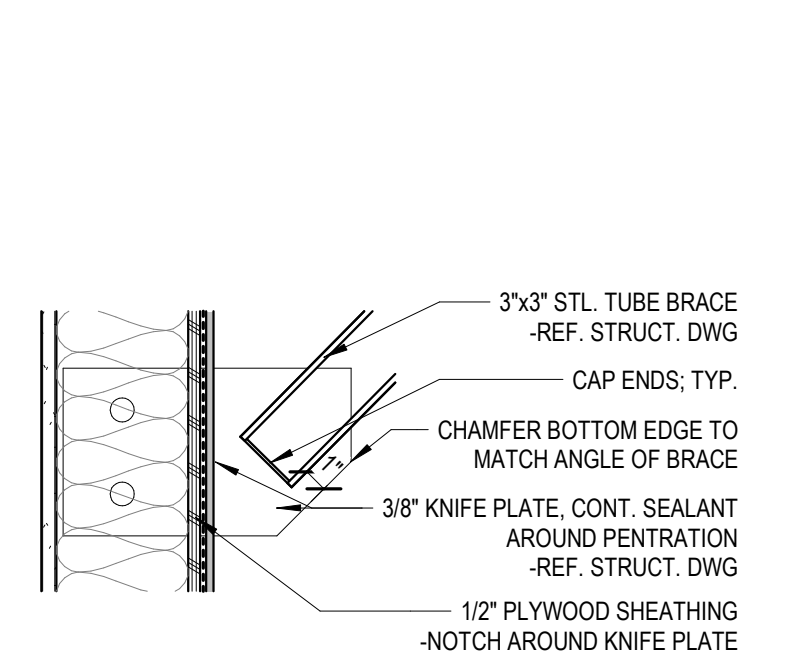
14 SECTION DTL - COLUMN BASE  
1 1/2" = 1'-0"



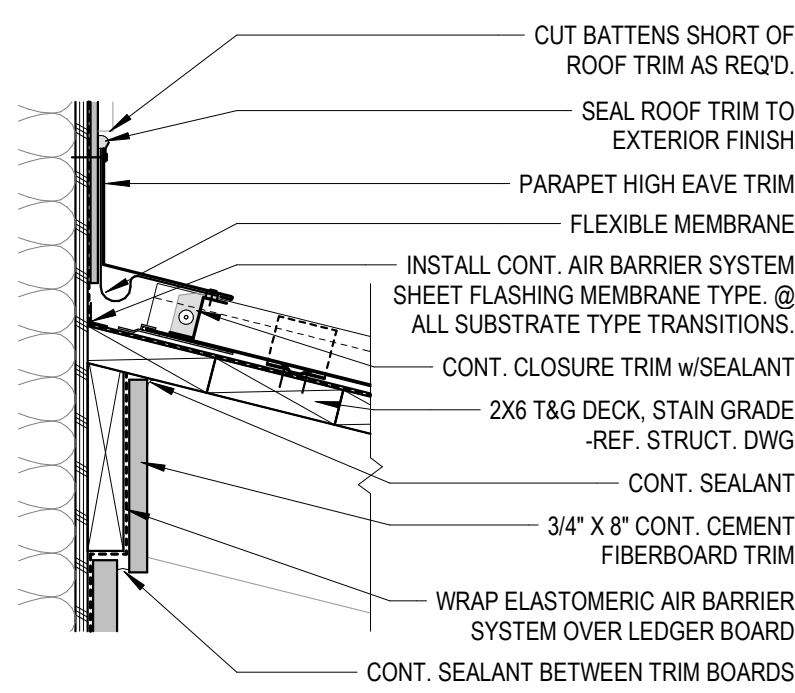
17 TYP. GUTTER BRACKET AXON  
1 1/2" = 1'-0"



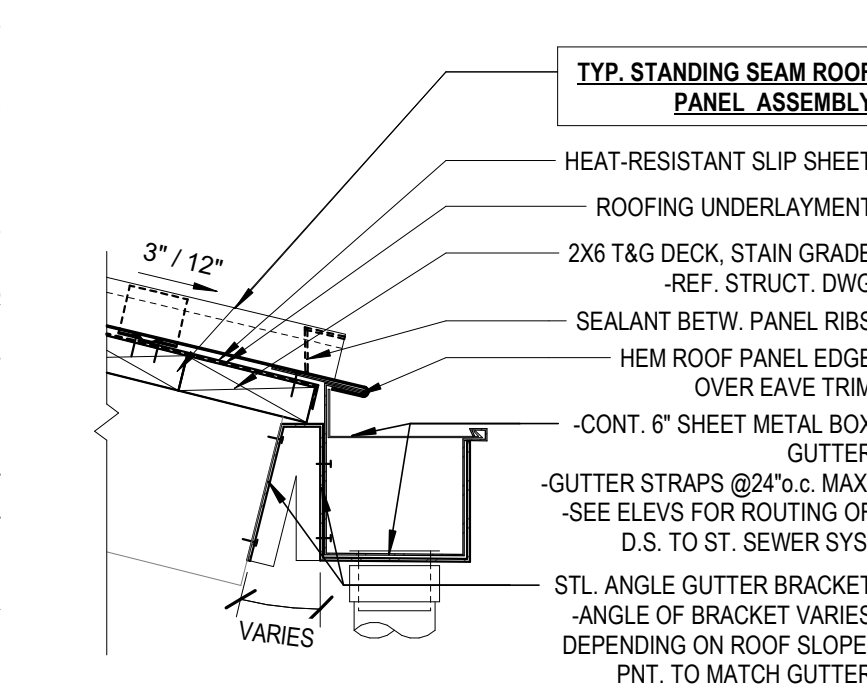
16 SECTION DTL - STONE WATER TABLE  
1 1/2" = 1'-0"



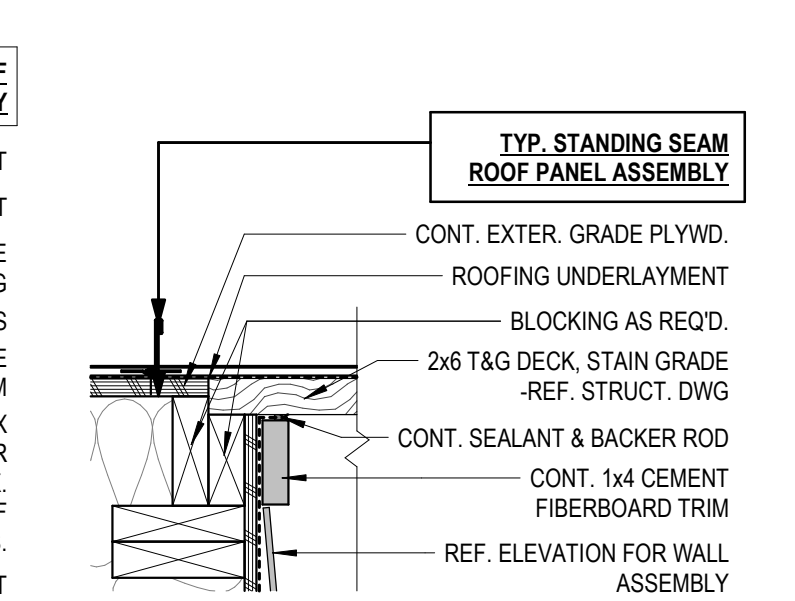
13 ROOF DTL - AWNING WALL BRACE  
1 1/2" = 1'-0"



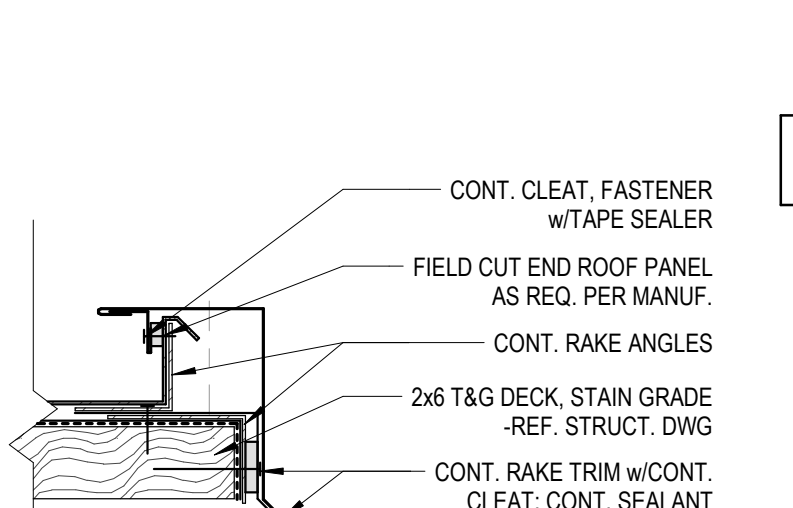
12 ROOF DTL - HIGH EAVE AT WALL  
1 1/2" = 1'-0"



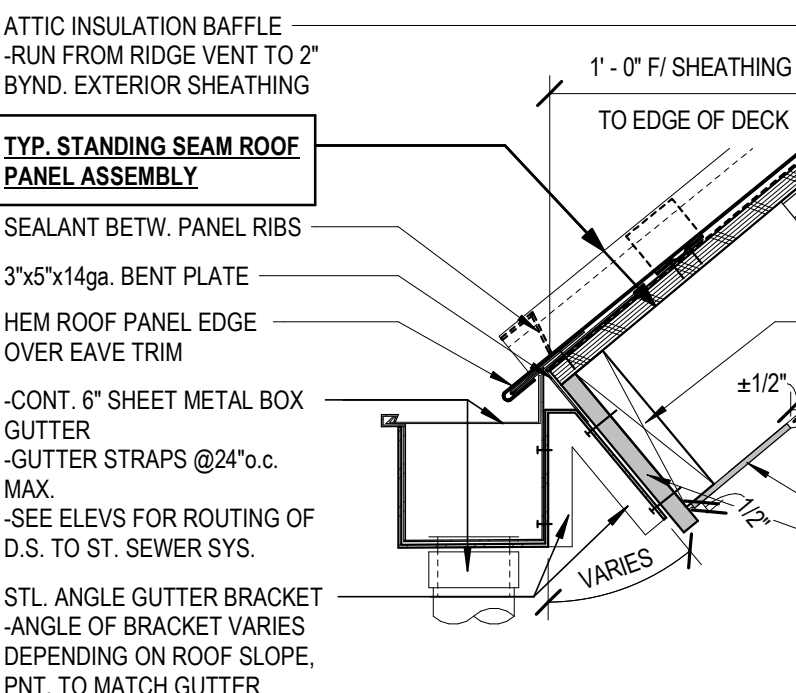
11 ROOF DTL - TYP. AWNING EAVE  
1 1/2" = 1'-0"



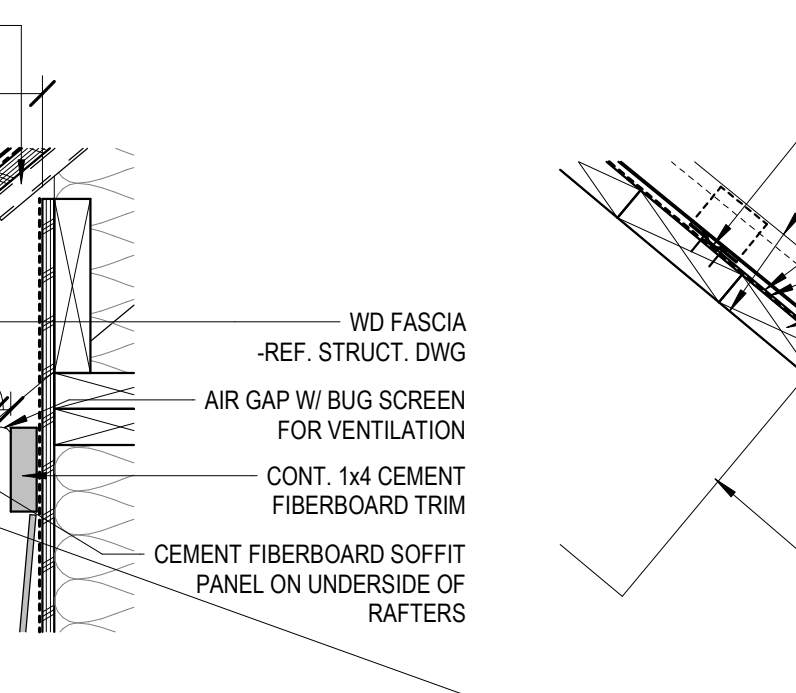
10 ROOF DTL - DECK TRANSITION  
1 1/2" = 1'-0"



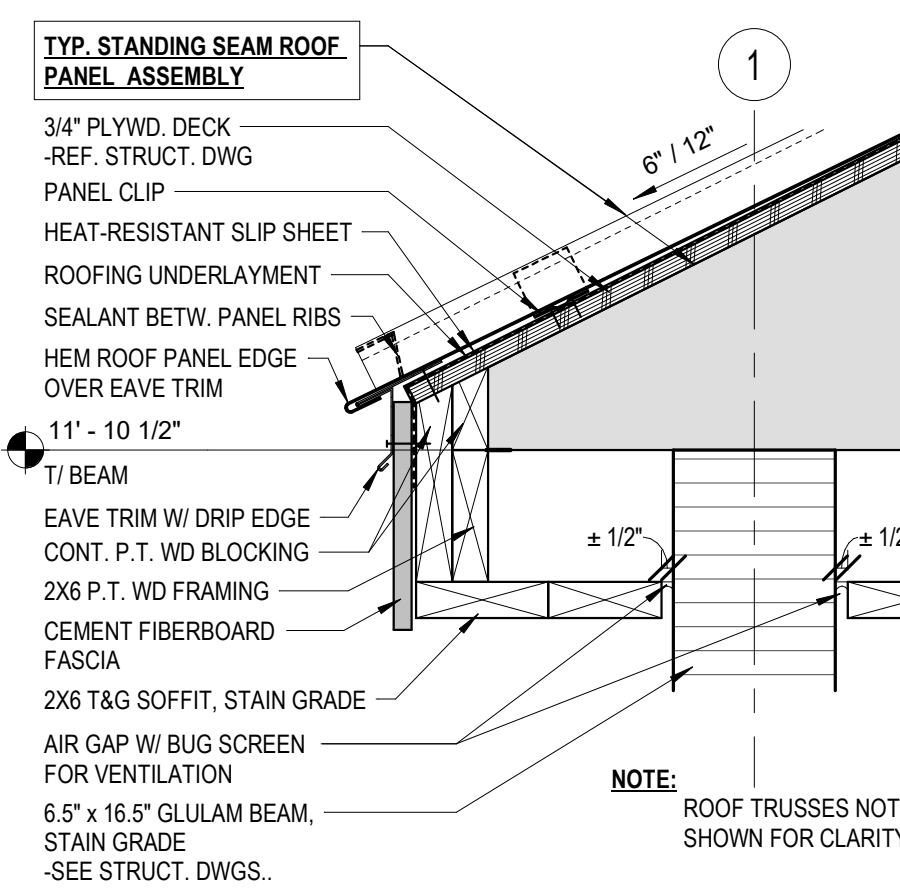
9 ROOF DTL - ROOF RAKE AT T&G SOFFIT  
3\"/>



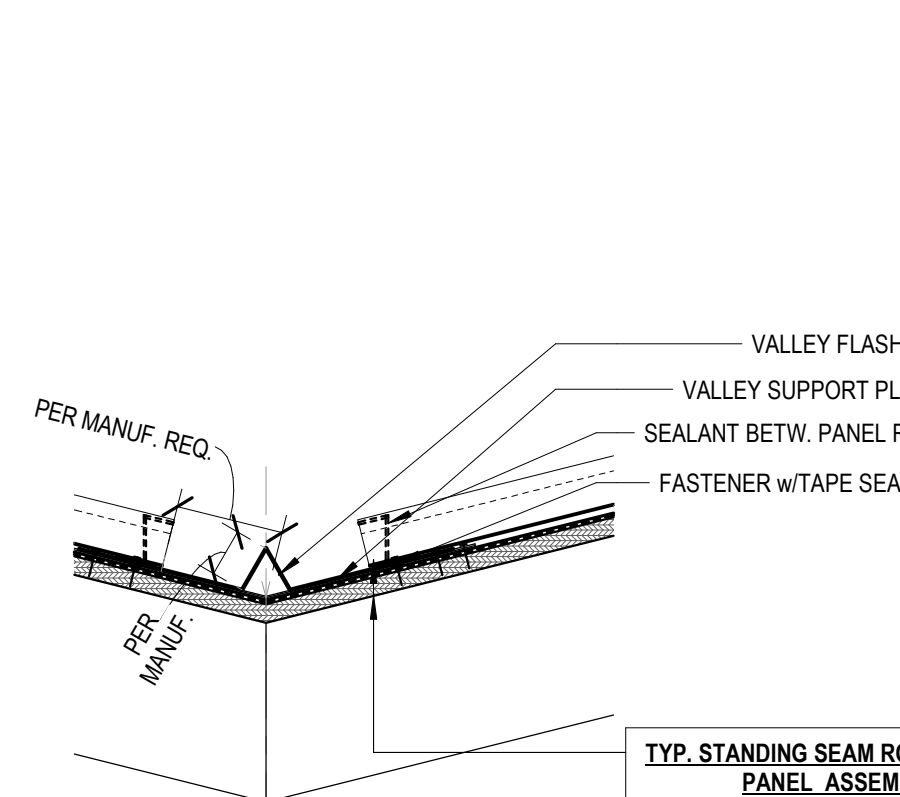
8 ROOF DTL - TYP. LOW EAVE  
1 1/2" = 1'-0"



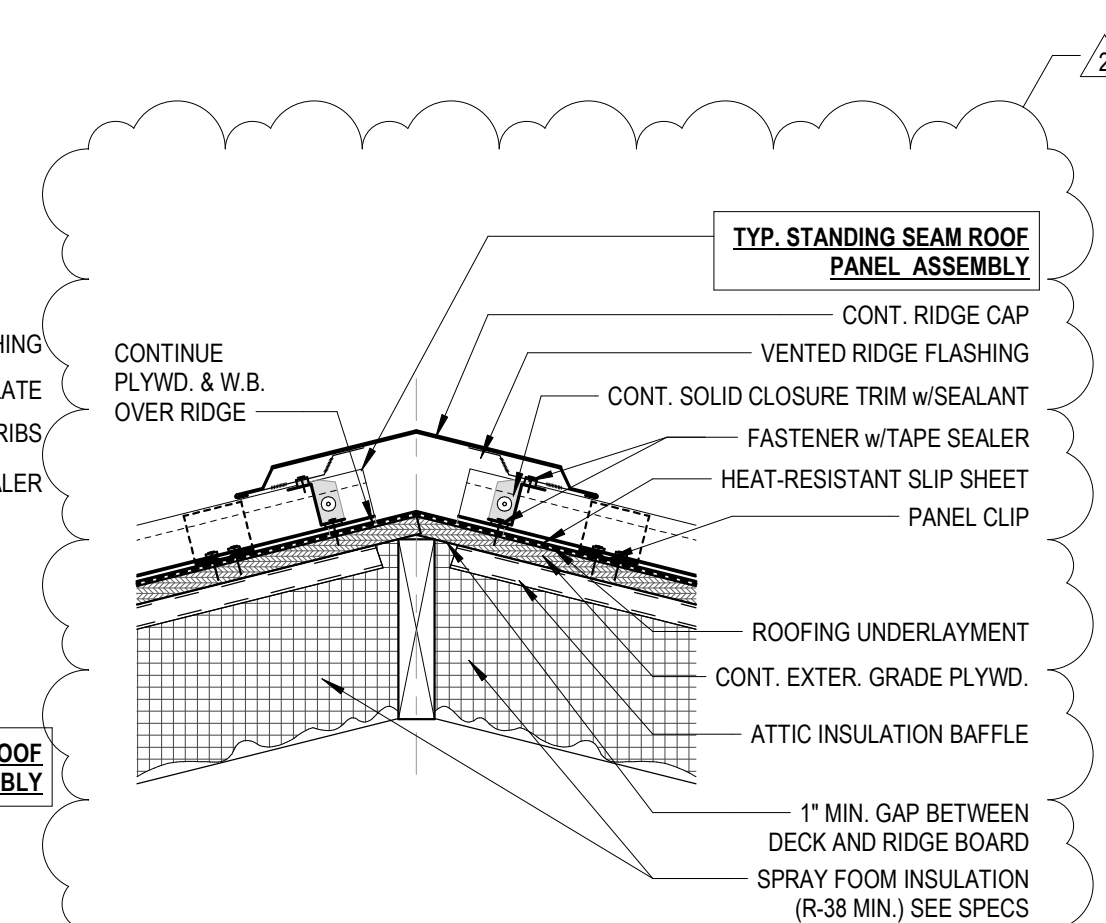
7 ROOF DTL - TYP. LOW EAVE FOR T&G SOFFIT  
1 1/2" = 1'-0"



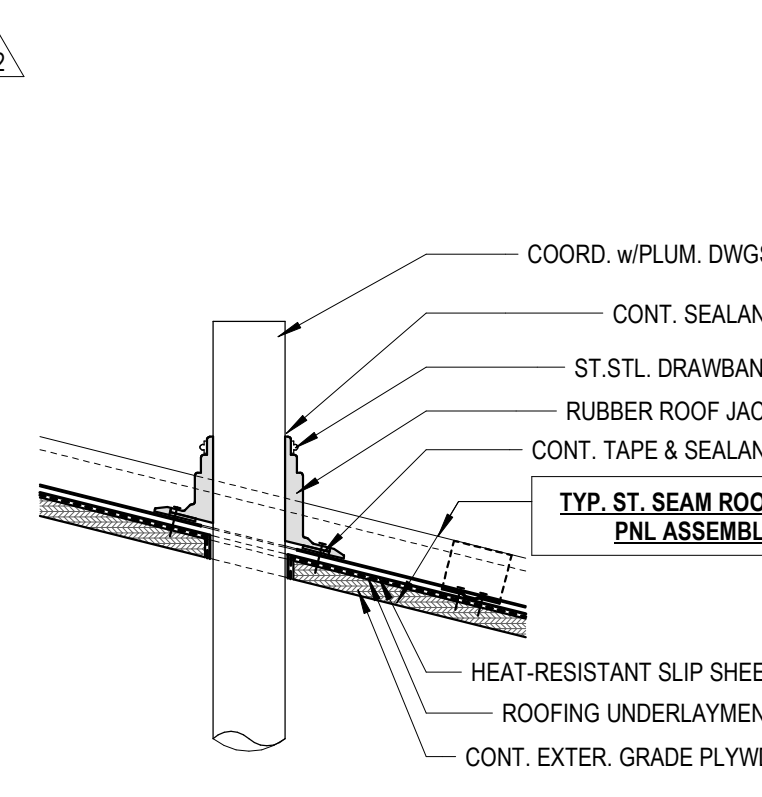
6 ROOF DTL - LOW EAVE @ DRIVE-THRU  
1 1/2" = 1'-0"



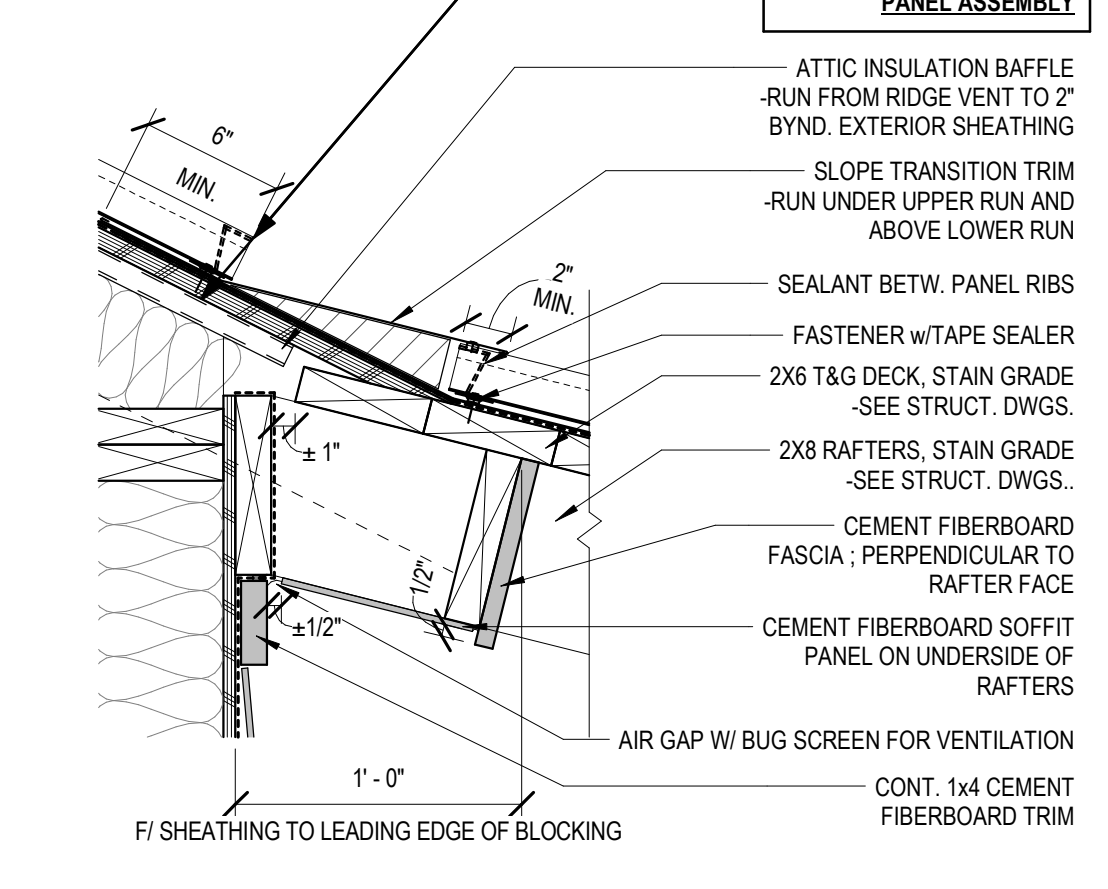
5 TYP. S.S. MTL ROOF PANEL VALLEY  
1 1/2" = 1'-0"



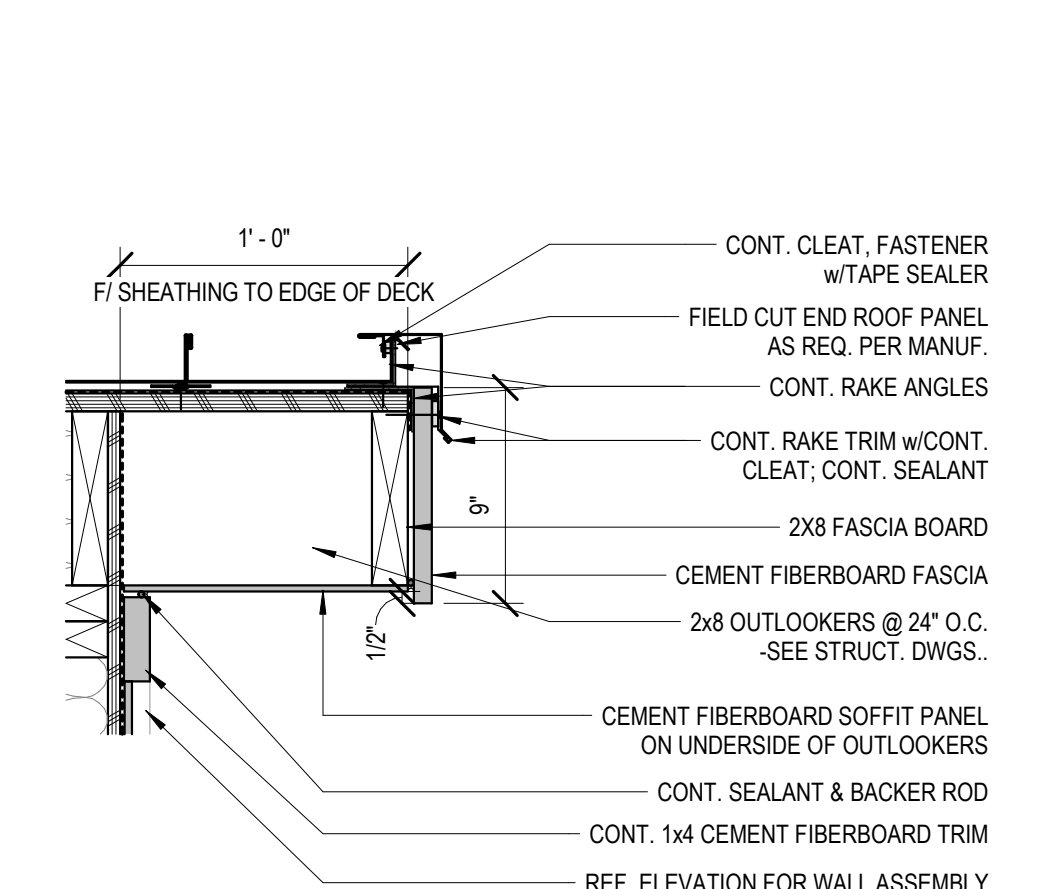
4 TYP. S.S. MTL ROOF PANEL RIDGE  
1 1/2" = 1'-0"



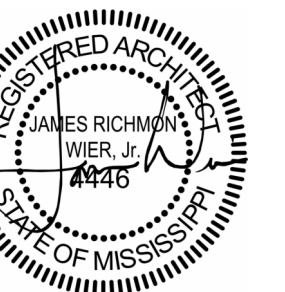
3 TYP. S.S. MTL ROOF PANEL PIPE PENETRATION  
1 1/2" = 1'-0"



2 ROOF DTL - SLOPE TRANSITION  
1 1/2" = 1'-0"



1 ROOF DTL - TYP. RAKE  
1 1/2" = 1'-0"



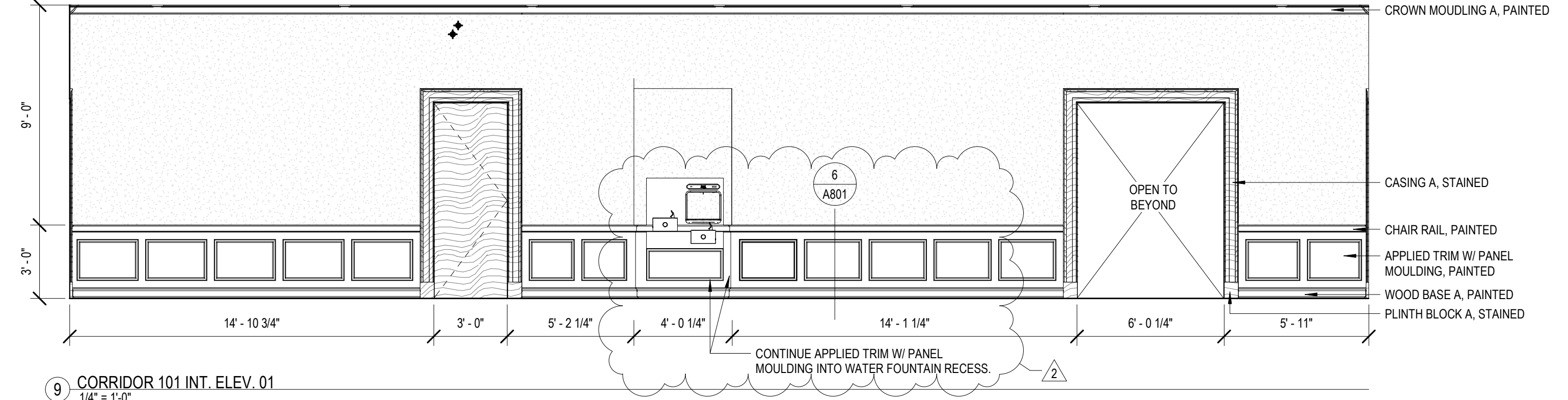
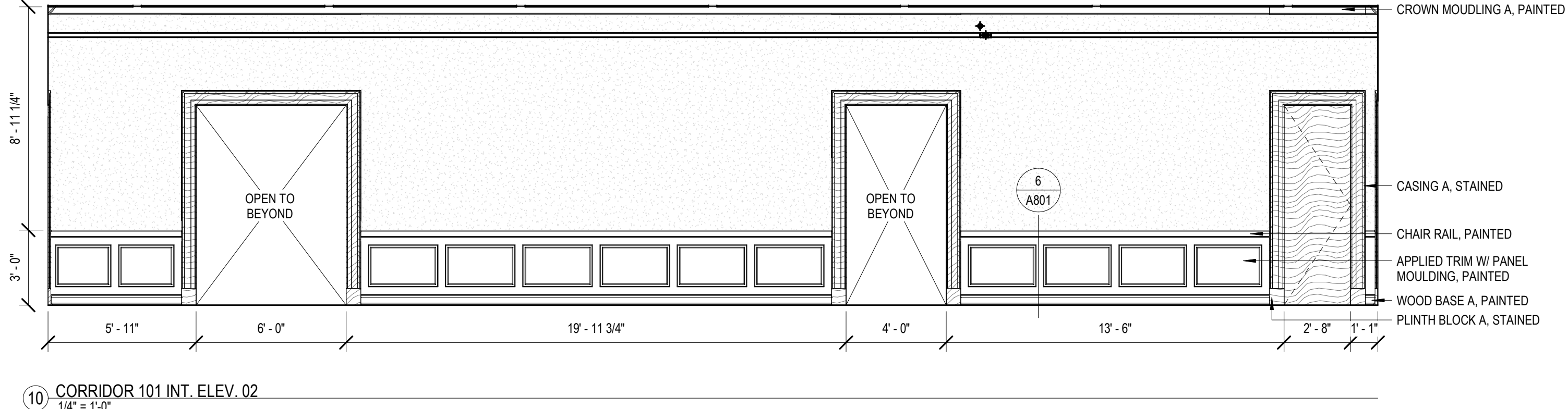
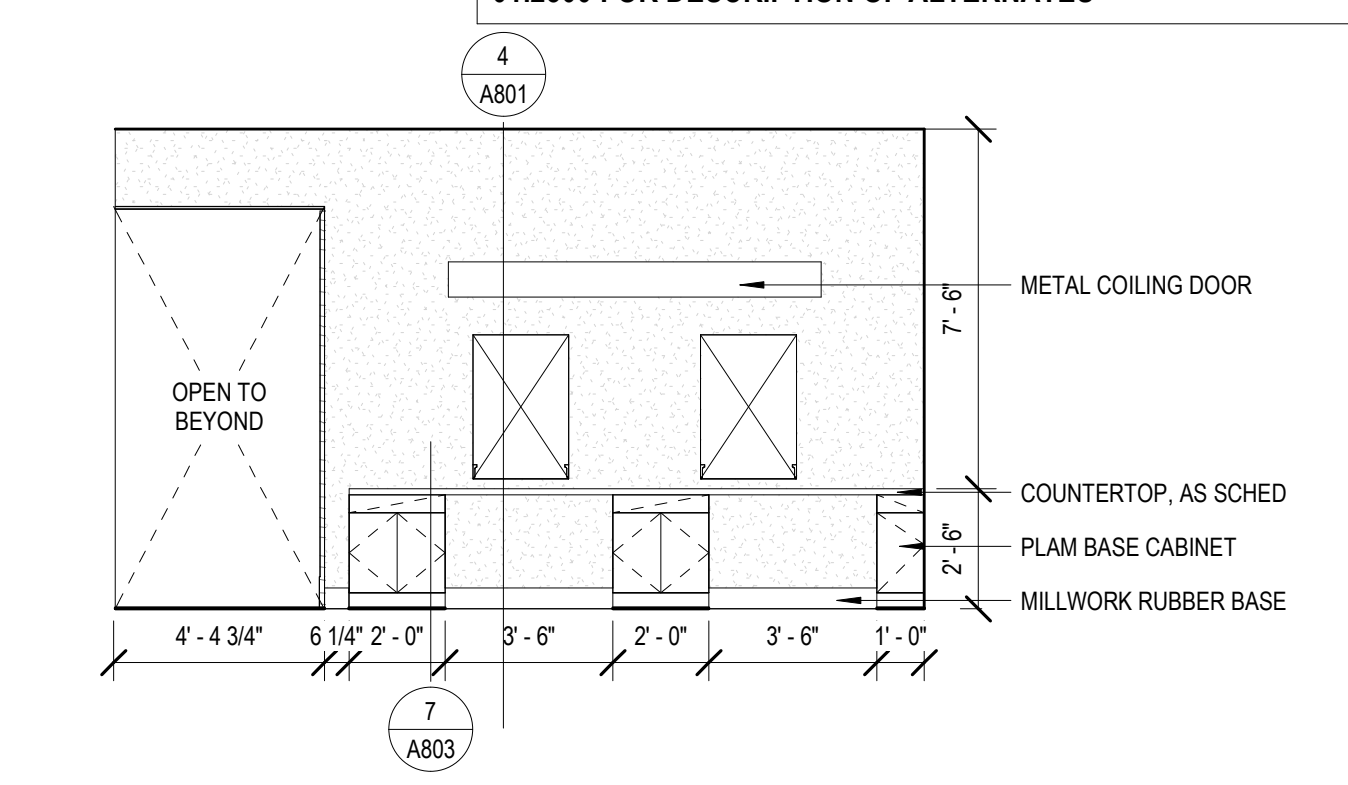
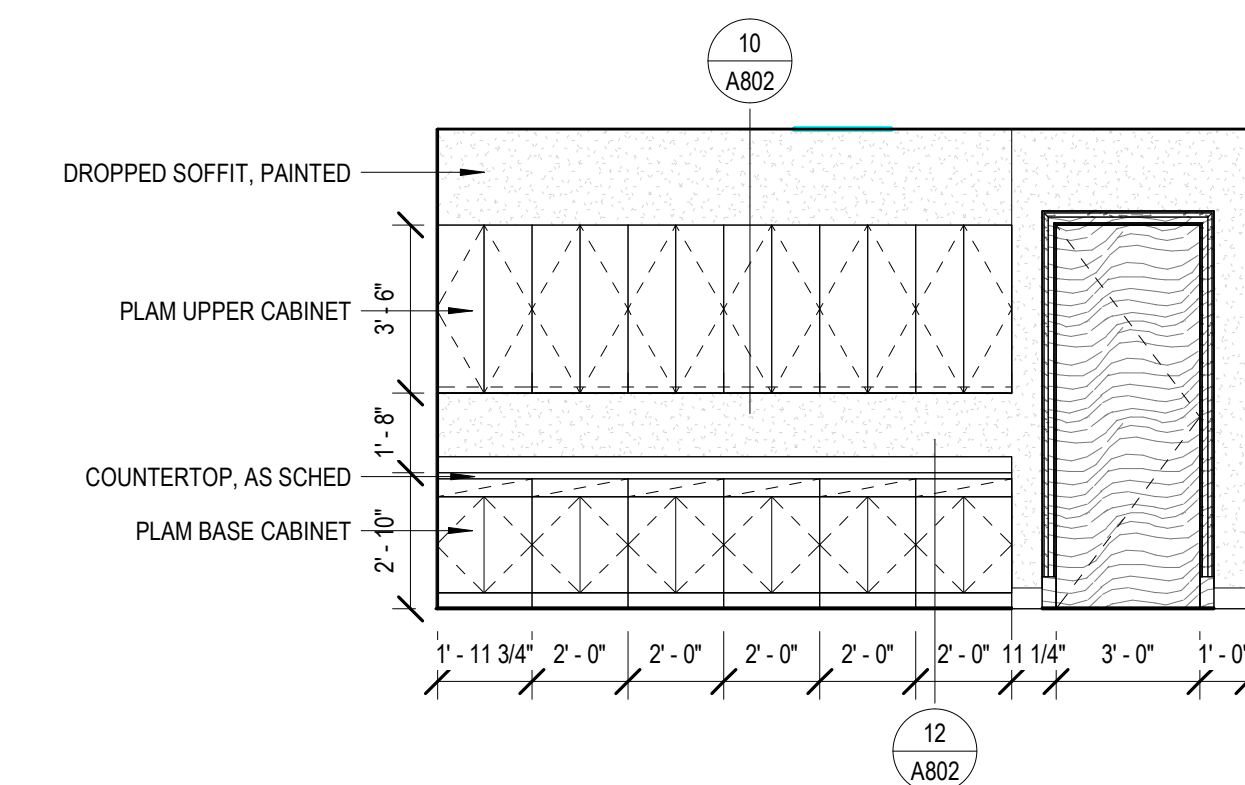
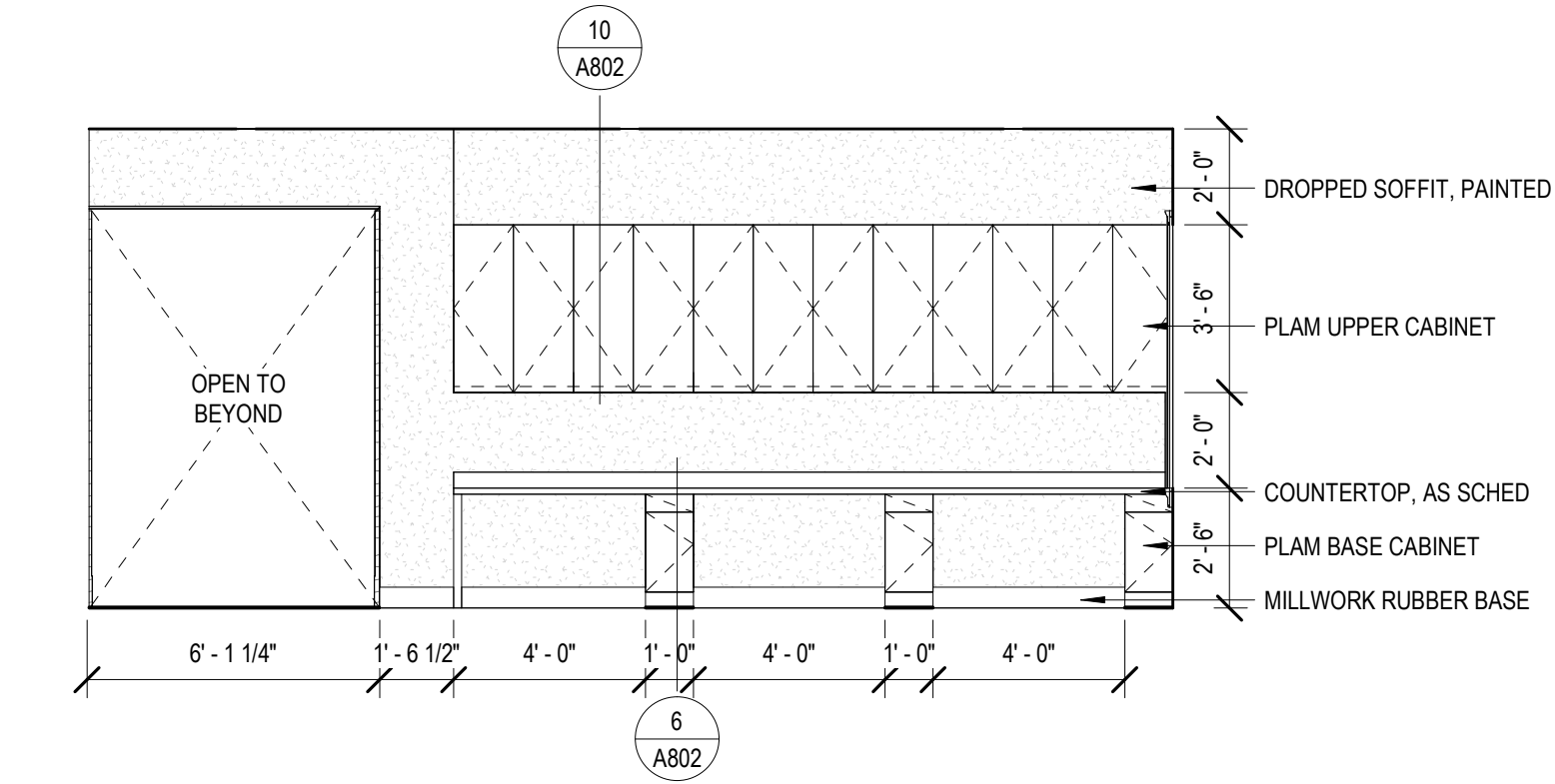
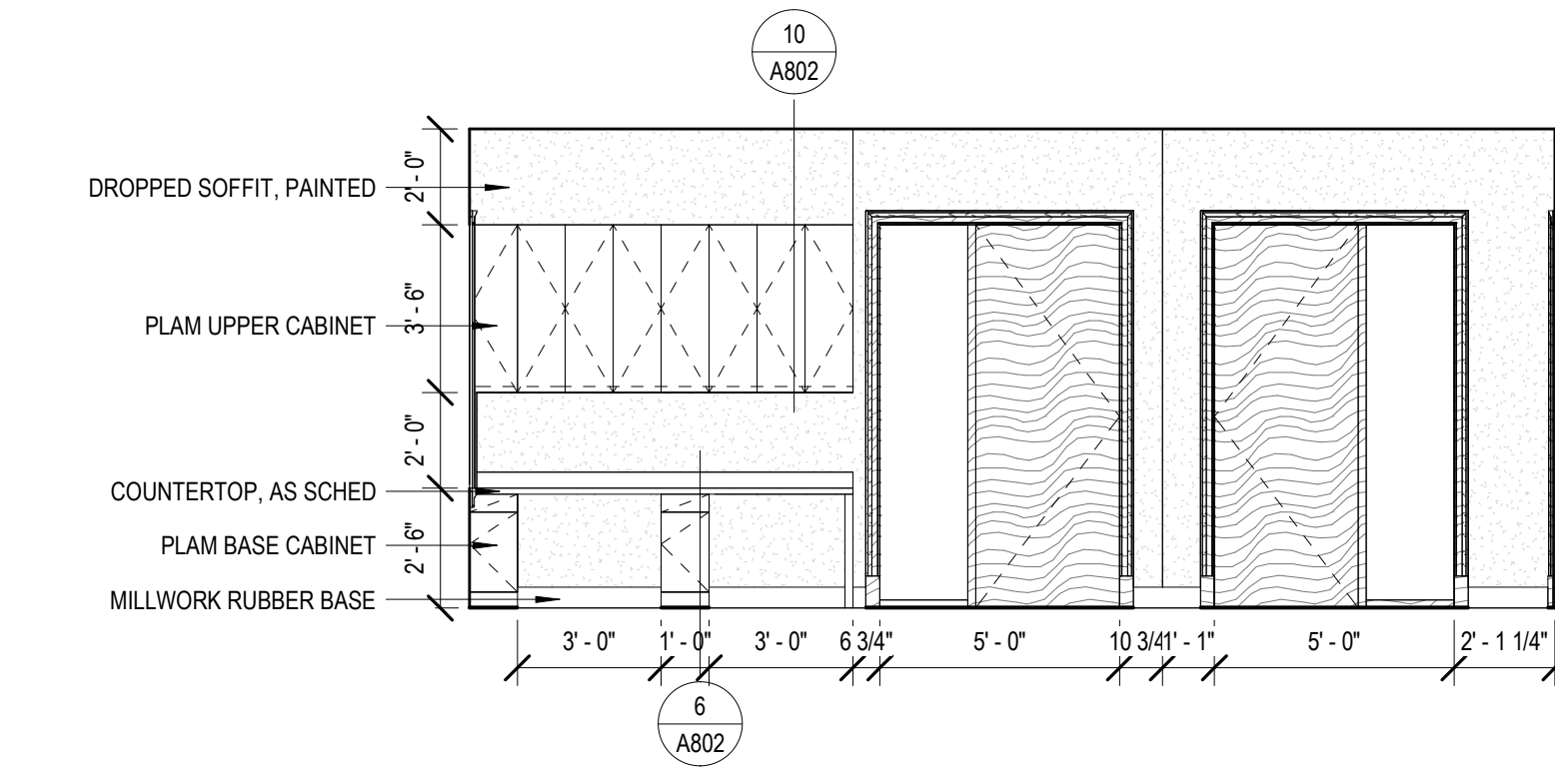
06.21.24

CONSTRUCTION  
DOCUMENTS  
WBA # 23-072

REVISIONS		
NO.	DESCRIPTION	DATE
2	Addendum 02	08/26/24

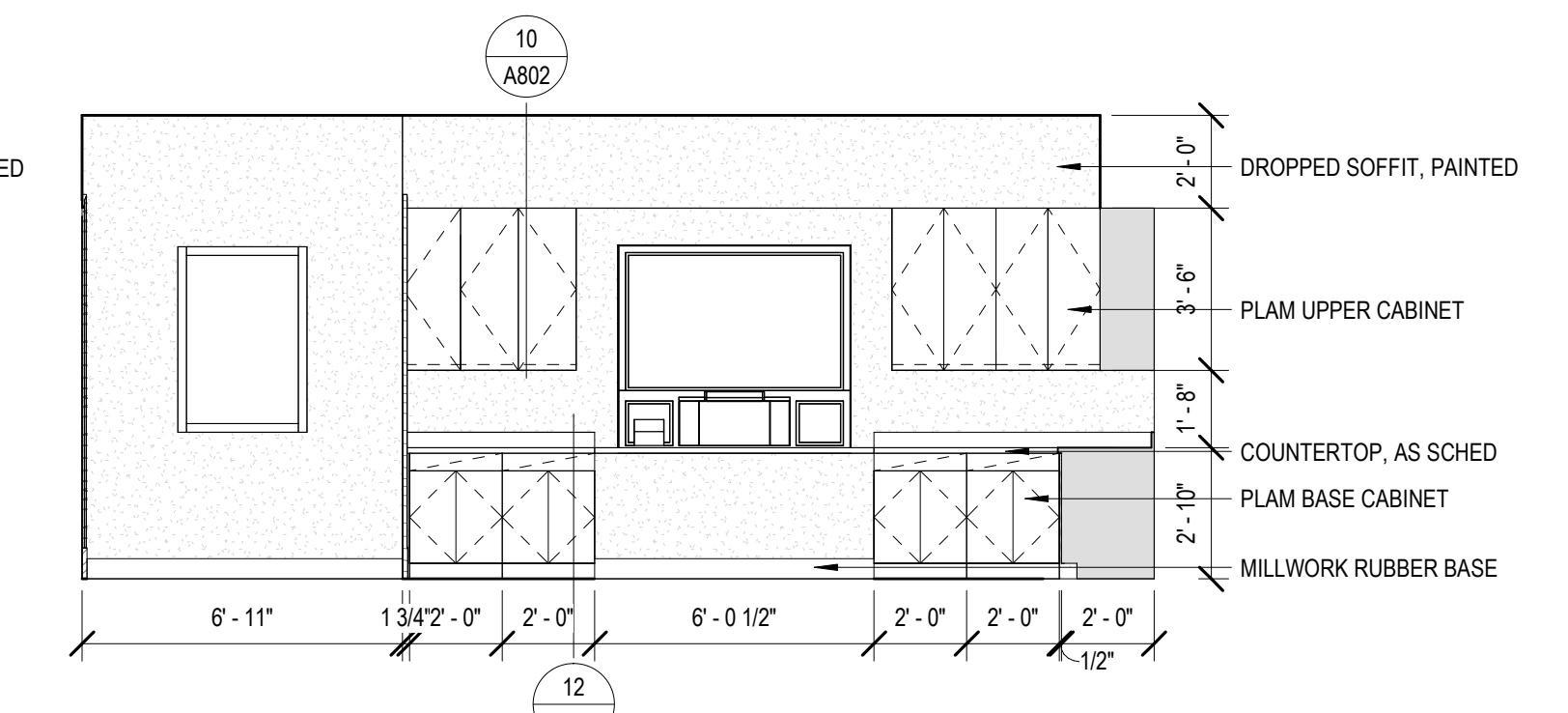
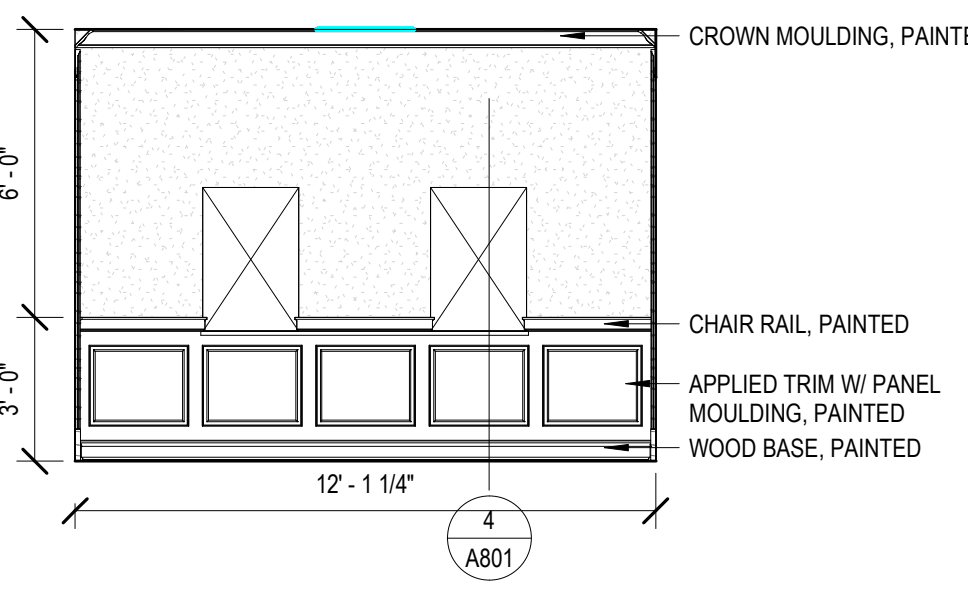
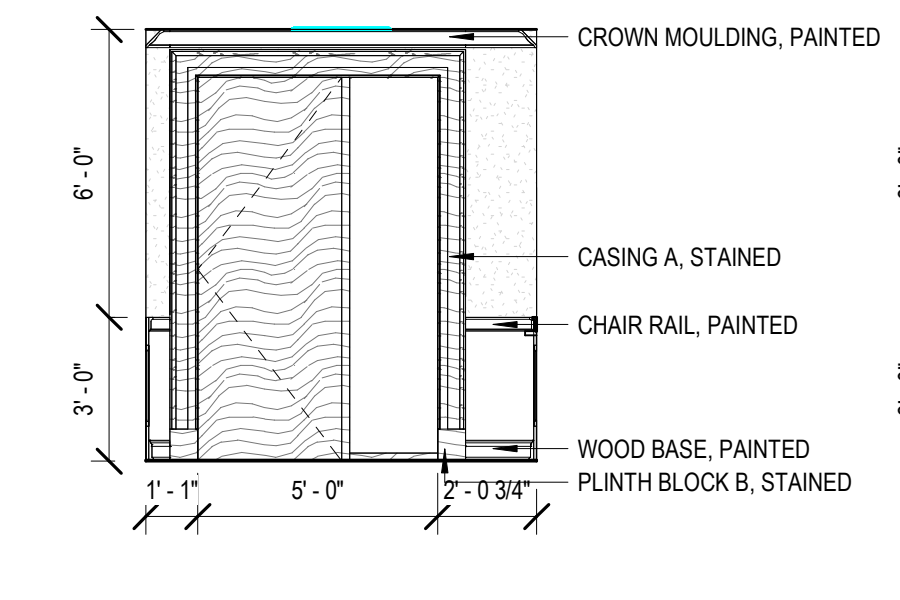
**A401**  
EXTERIOR  
DETAILS

**GENERAL NOTE:**  
ALTERNATES SHOWN IN APPLICABLE VIEWS TYPICAL. SEE SECTION 01.2300 FOR DESCRIPTION OF ALTERNATES



10 CORRIDOR 101 INT. ELEV. 02  
1/4" = 1'-0"

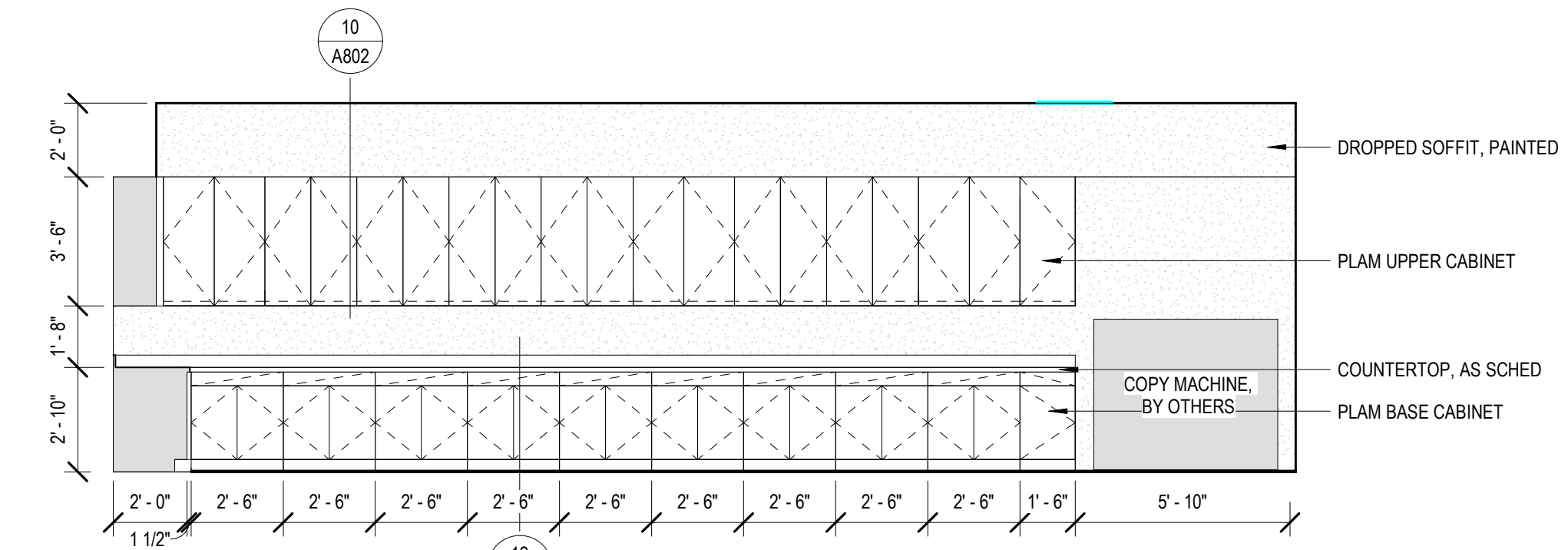
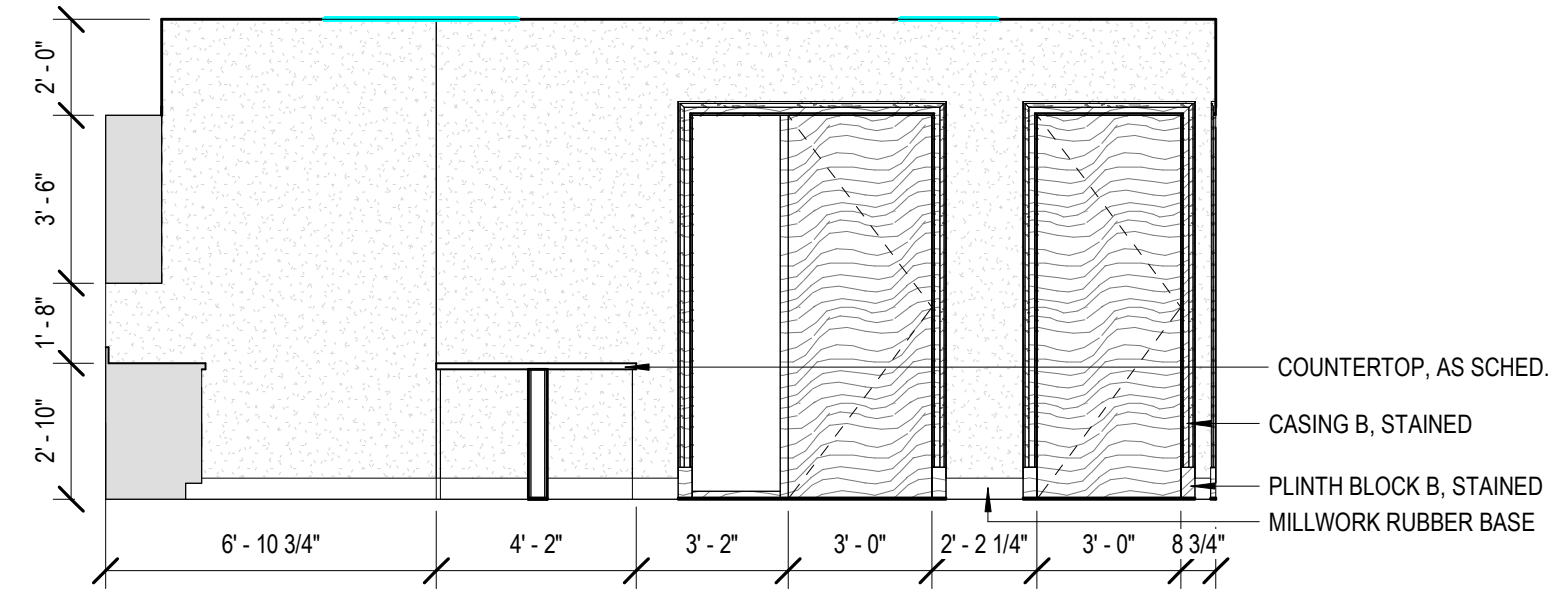
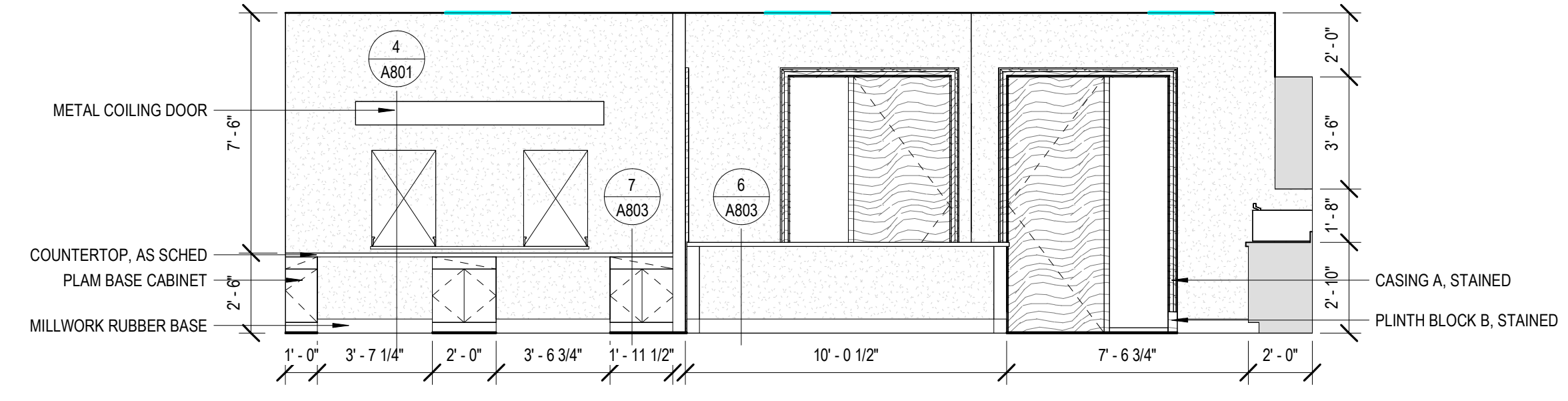
9 CORRIDOR 101 INT. ELEV. 01  
1/4" = 1'-0"



16 VESTIBULE 102 INT. ELEV. 02  
1/4" = 1'-0"

15 VESTIBULE 102 INT. ELEV. 01  
1/4" = 1'-0"

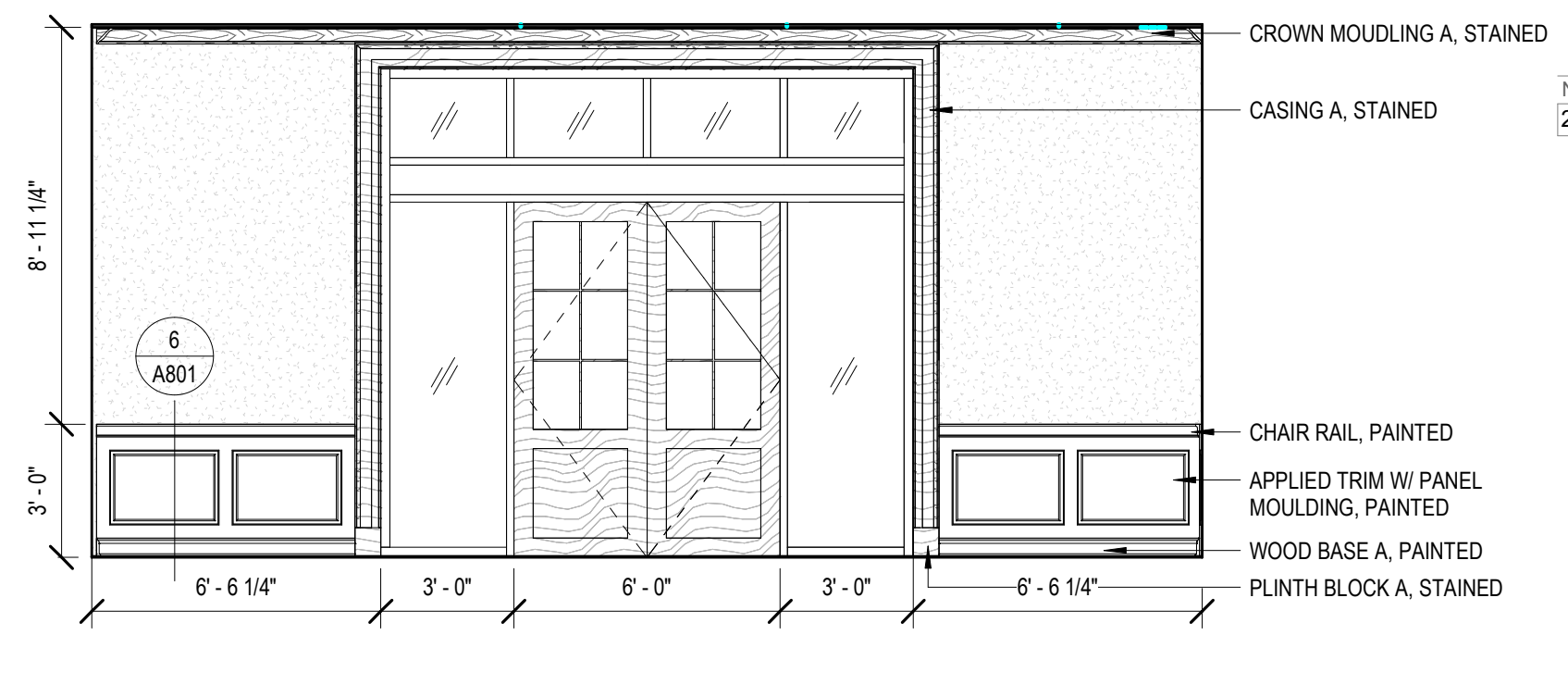
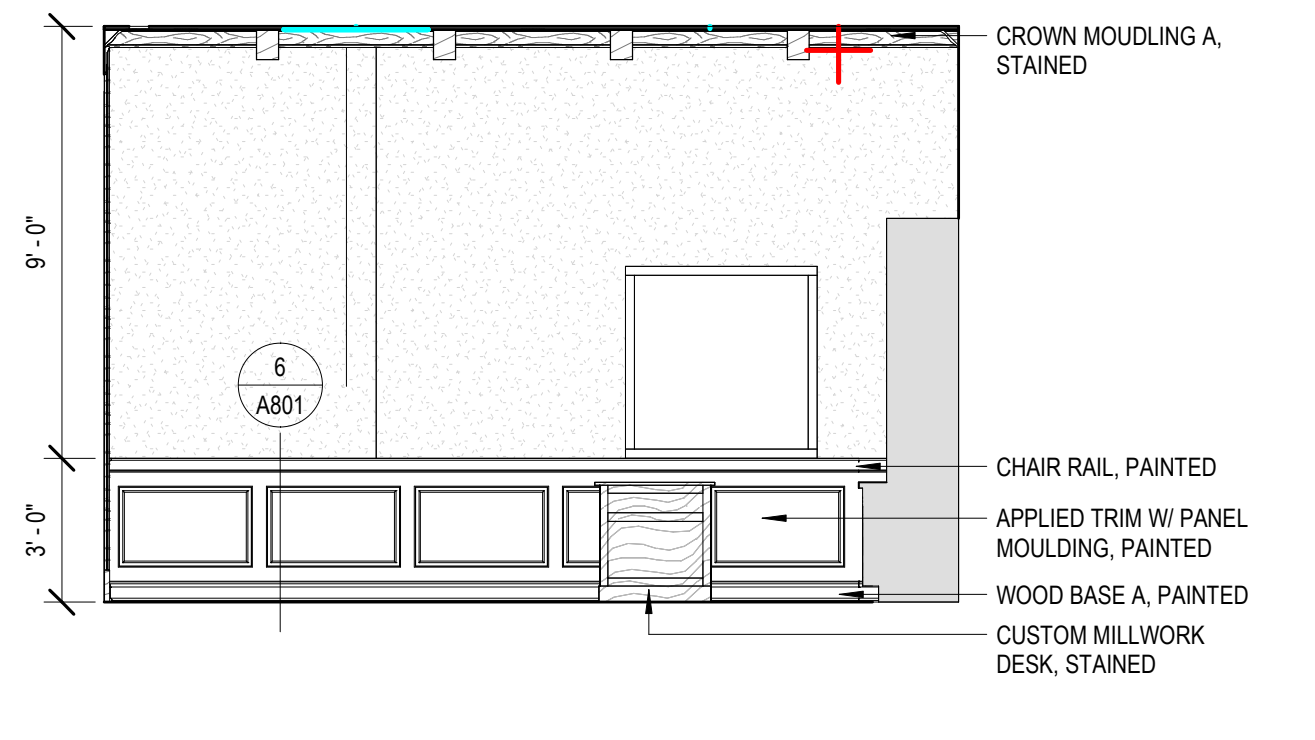
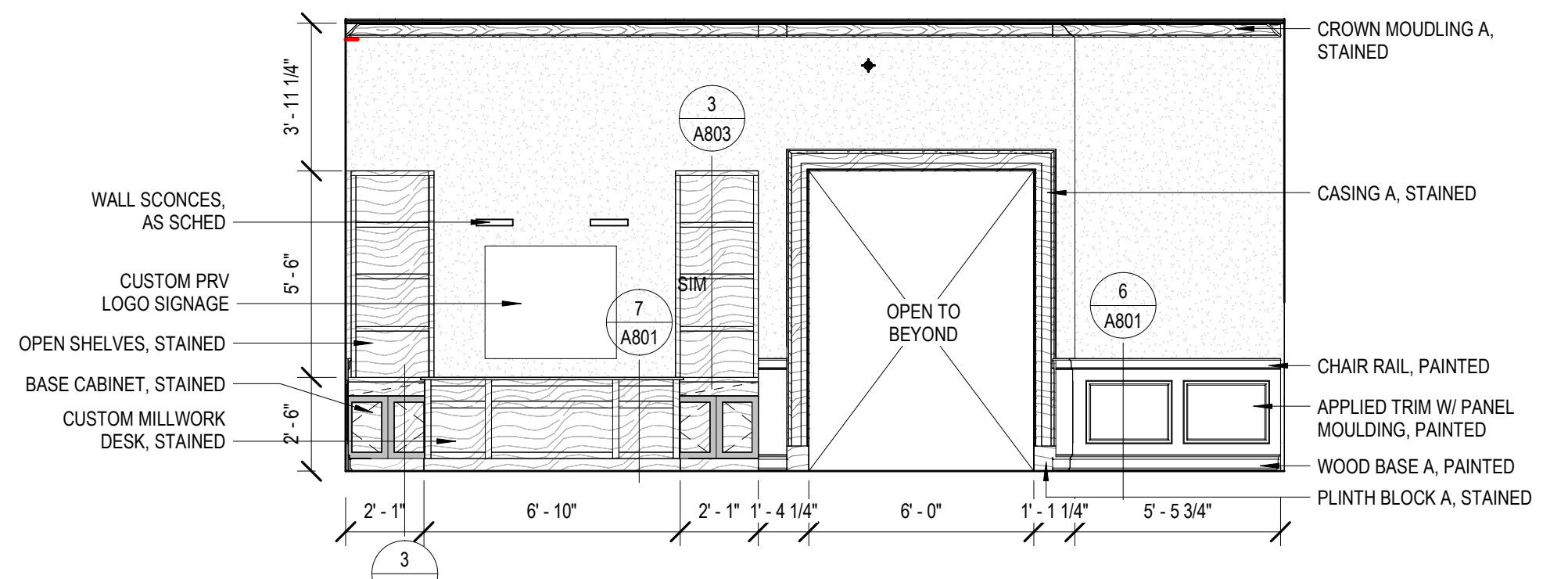
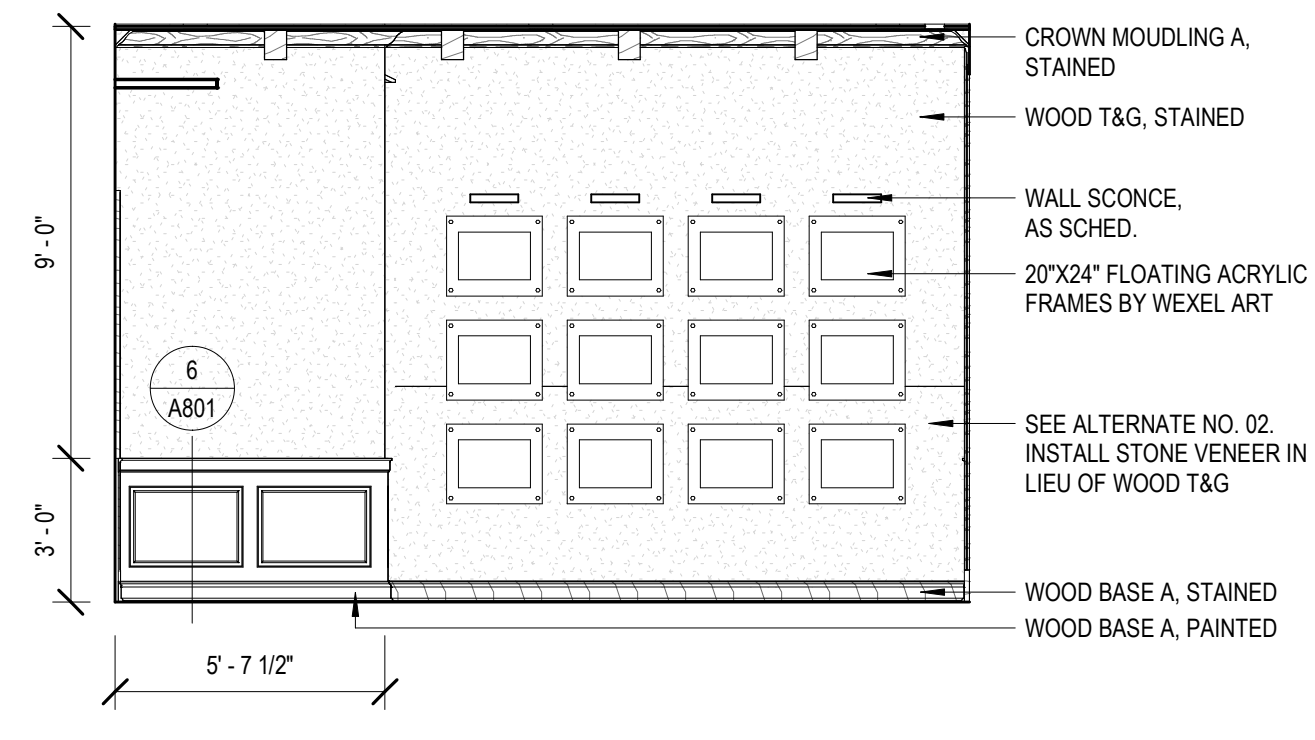
8 WORK AREA 103 INT. ELEV. 04  
1/4" = 1'-0"



7 WORK AREA 103 INT. ELEV. 03  
1/4" = 1'-0"

6 WORK AREA 103 INT. ELEV. 02  
1/4" = 1'-0"

5 WORK AREA 103 INT. ELEV. 01  
1/4" = 1'-0"



4 LOBBY INT. ELEV. 04  
1/4" = 1'-0"

3 LOBBY INT. ELEV. 03  
1/4" = 1'-0"

2 LOBBY INT. ELEV. 02  
1/4" = 1'-0"

1 LOBBY INT. ELEV. 01  
1/4" = 1'-0"



06.21.24

**CONSTRUCTION DOCUMENTS**  
WBA # 23-072

NO.	DESCRIPTION	DATE
2	Addendum 02	08/26/24

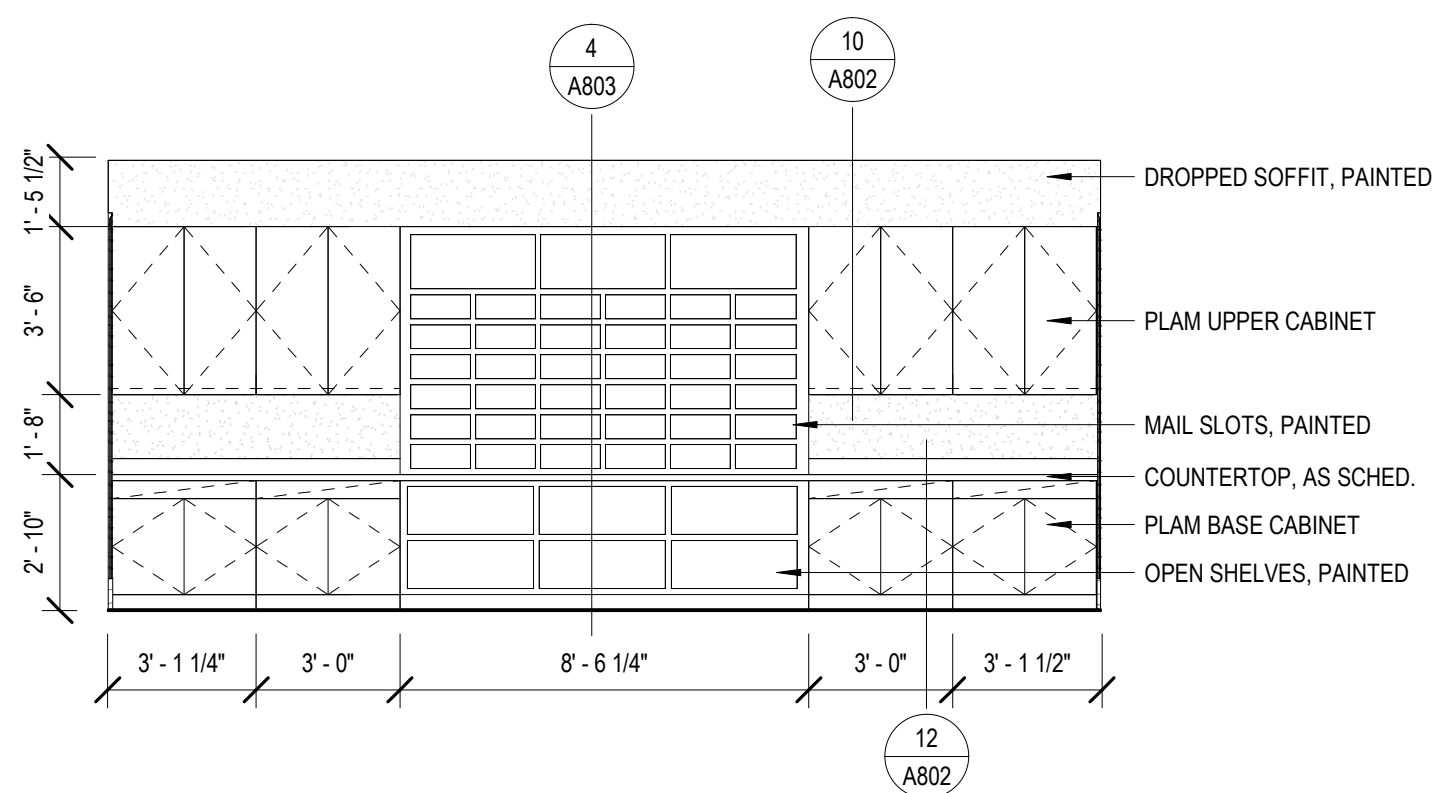
**A701**  
INTERIOR ELEVATIONS

GENERAL NOTE:  
ALTERNATES SHOWN IN APPLICABLE VIEWS TYPICAL. SEE SECTION  
01.2300 FOR DESCRIPTION OF ALTERNATES

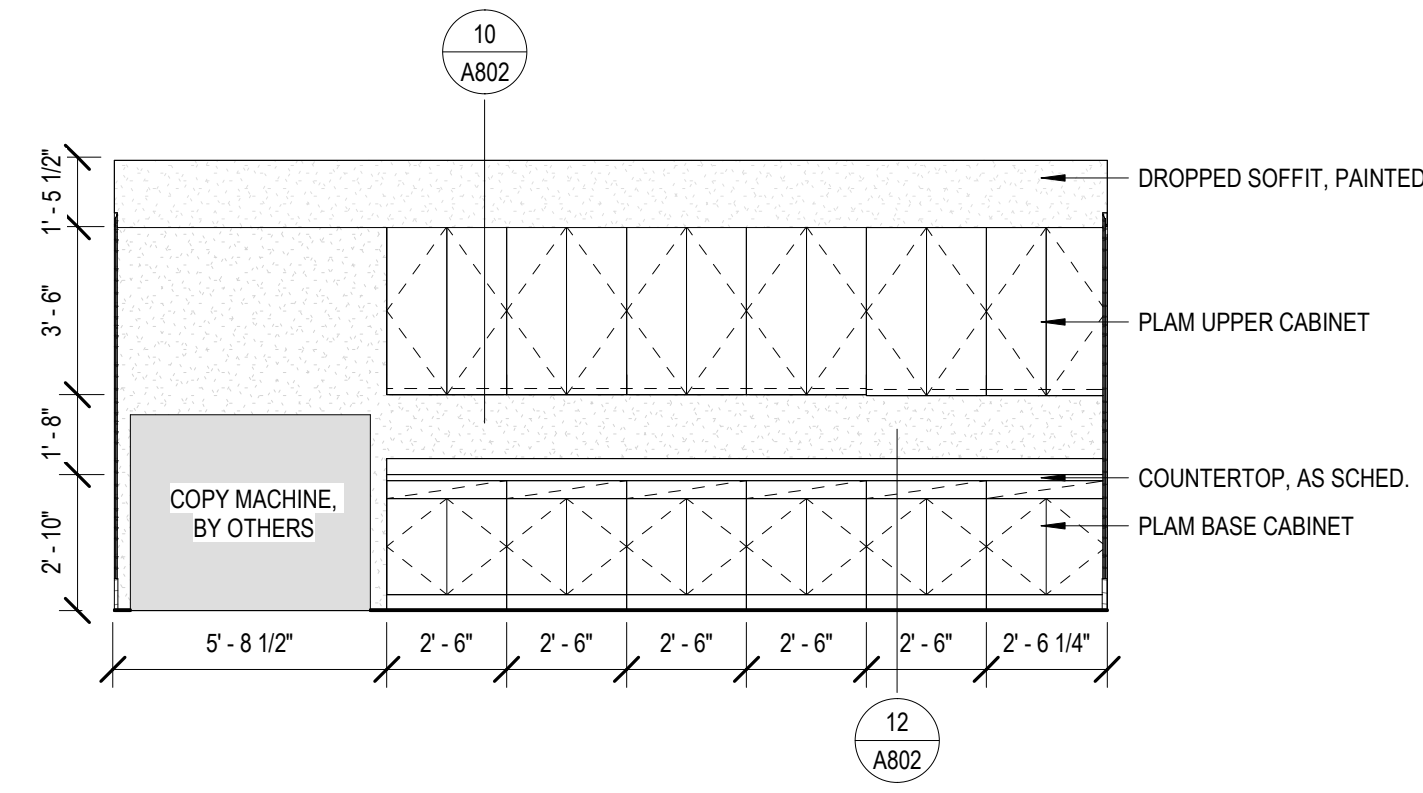


PEARL RIVER  
VALLEY WATER  
SUPPLY  
DISTRICT MAIN  
OFFICE

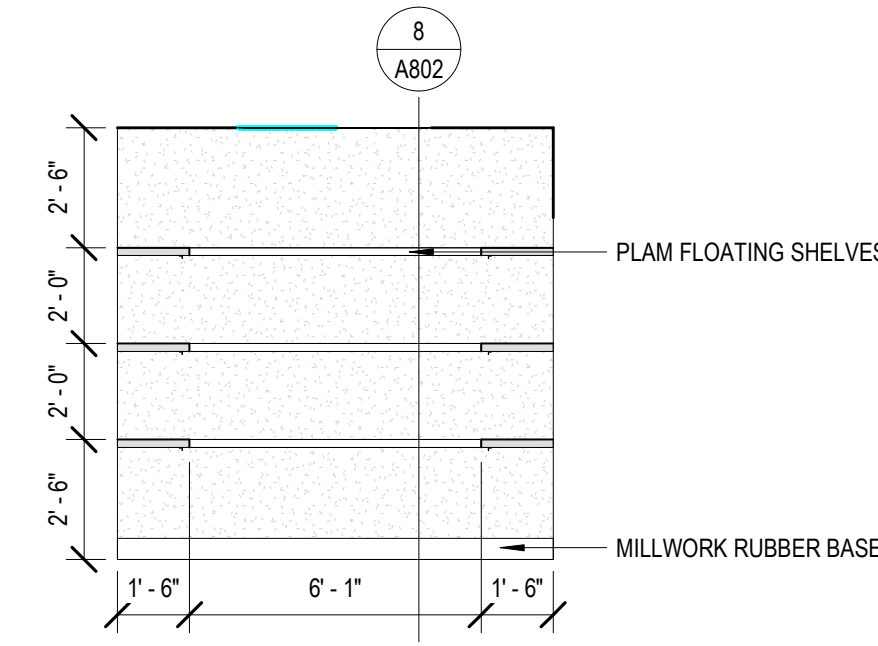
6018 Lakeshore Park  
Brandon, MS 39047



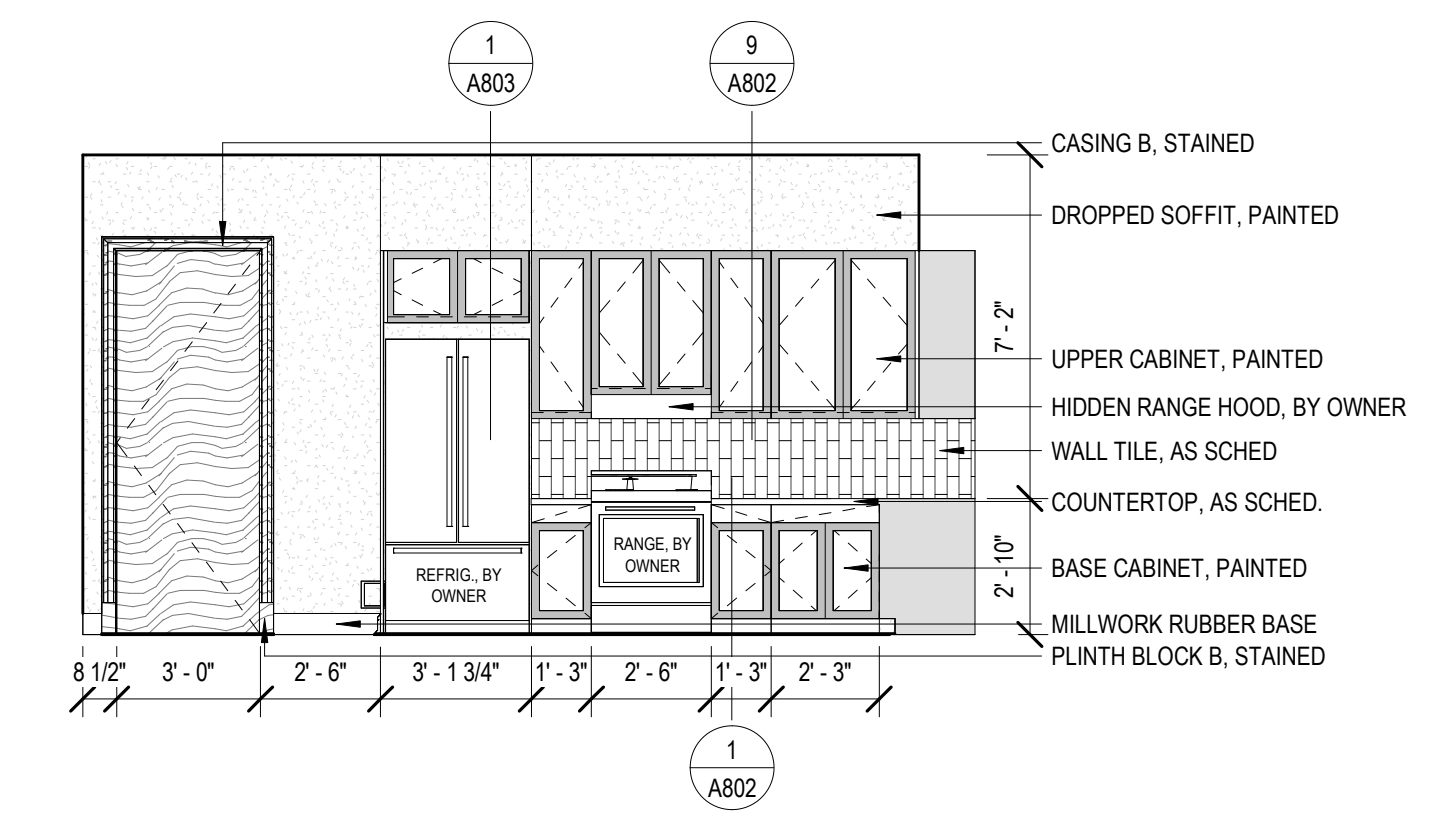
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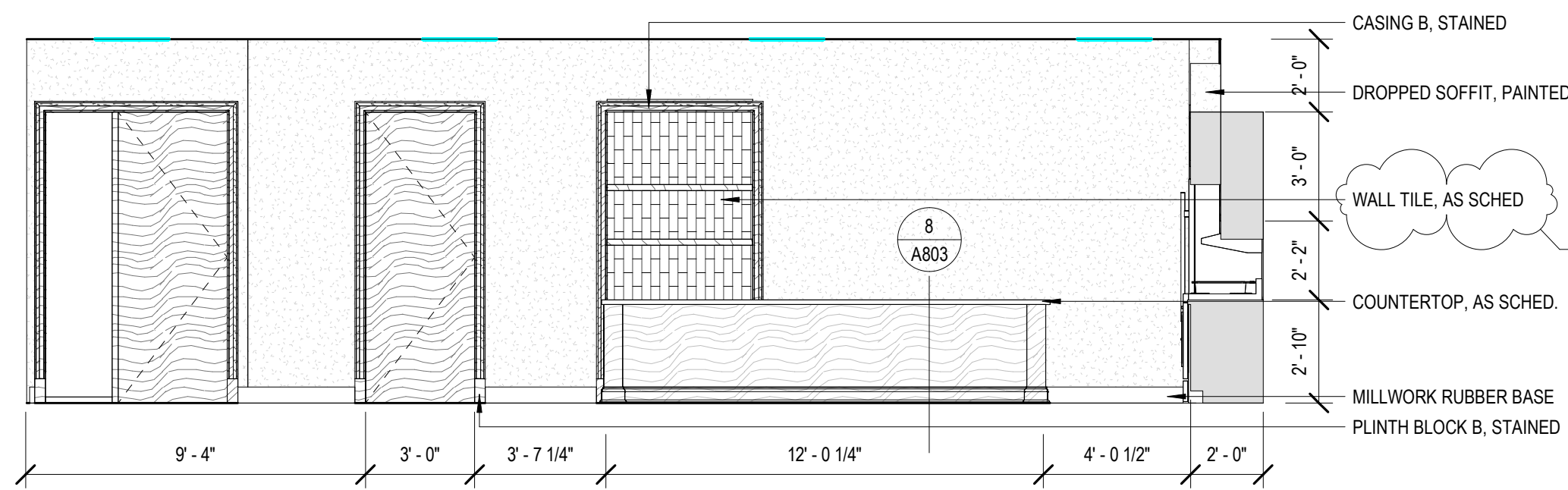
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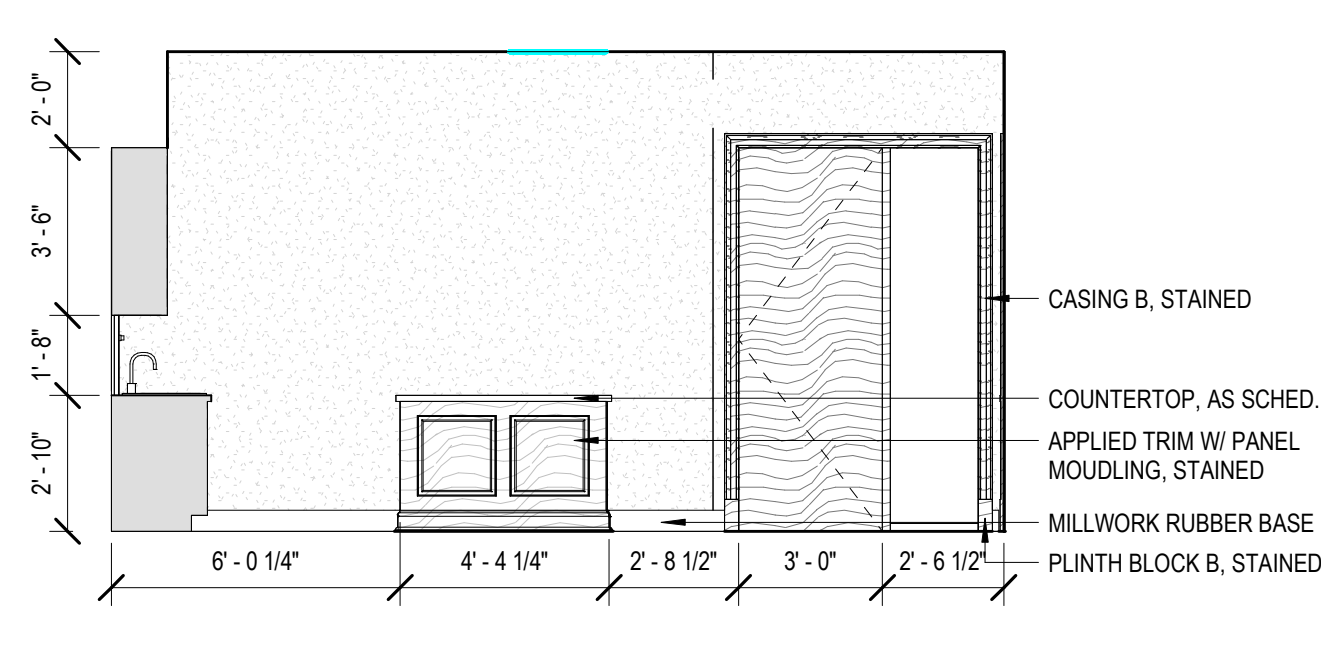
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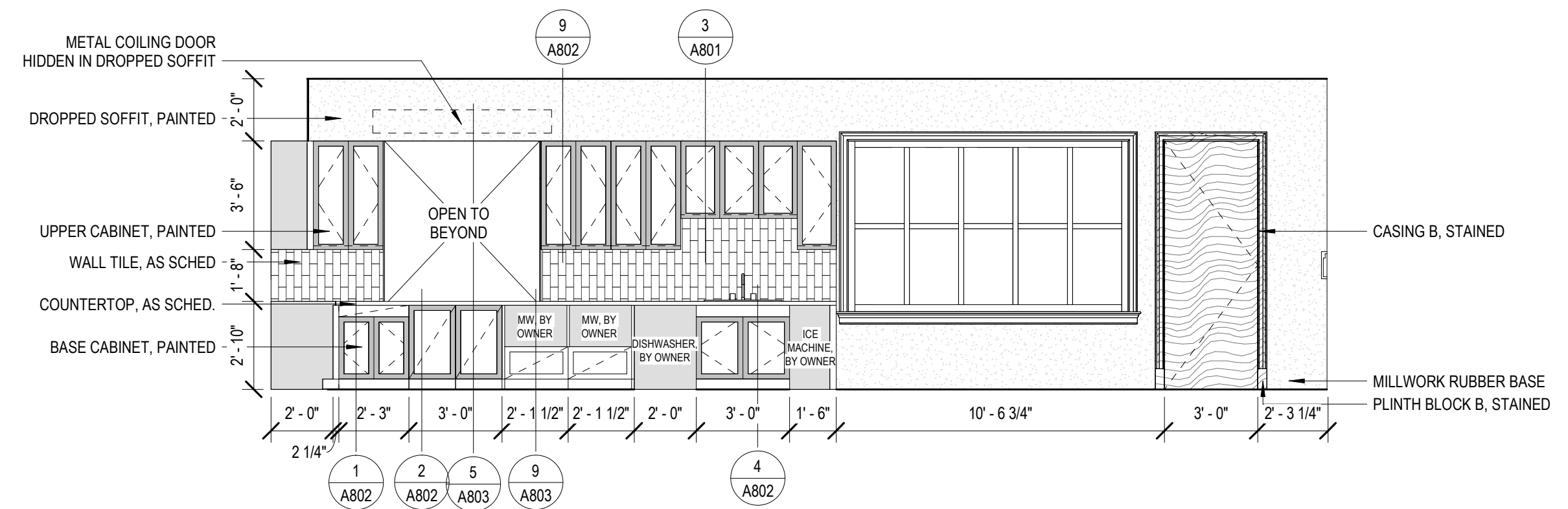
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1/4" = 1'-0"



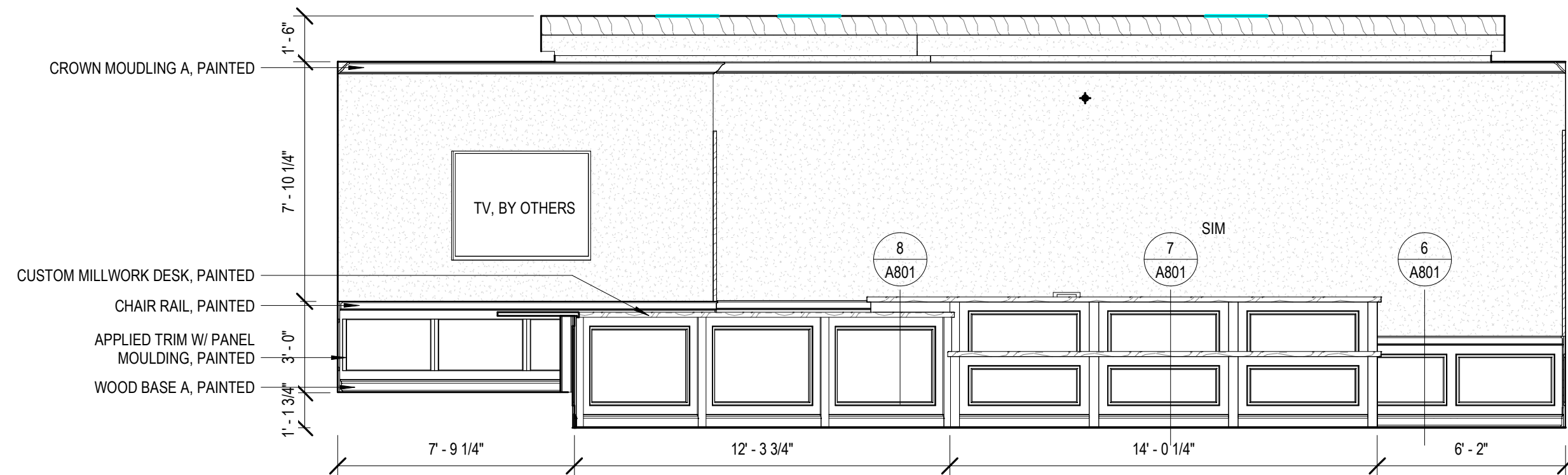
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1/4" = 1'-0"



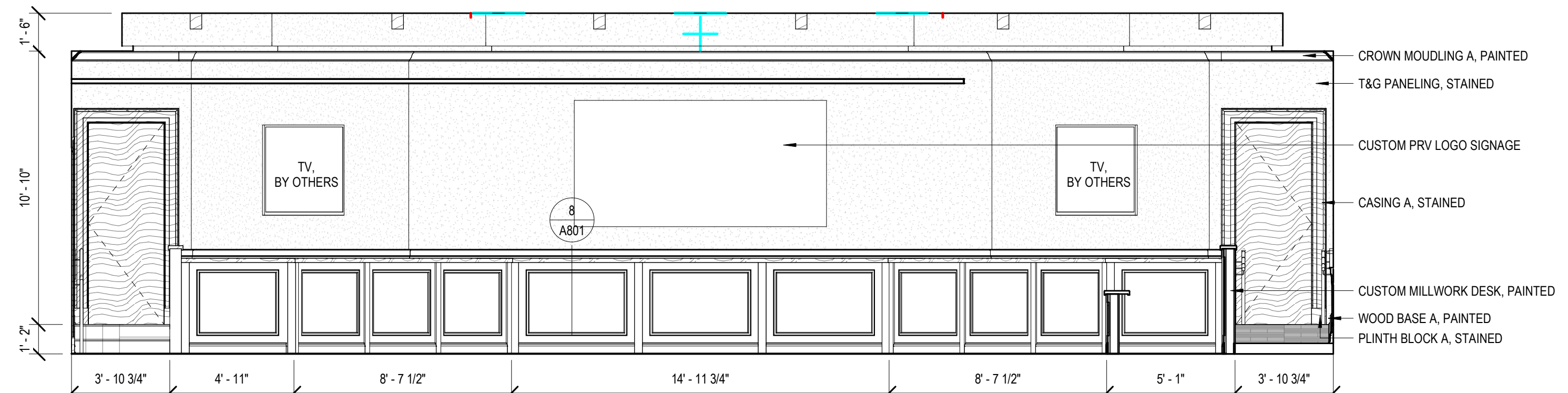
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1/4" = 1'-0"



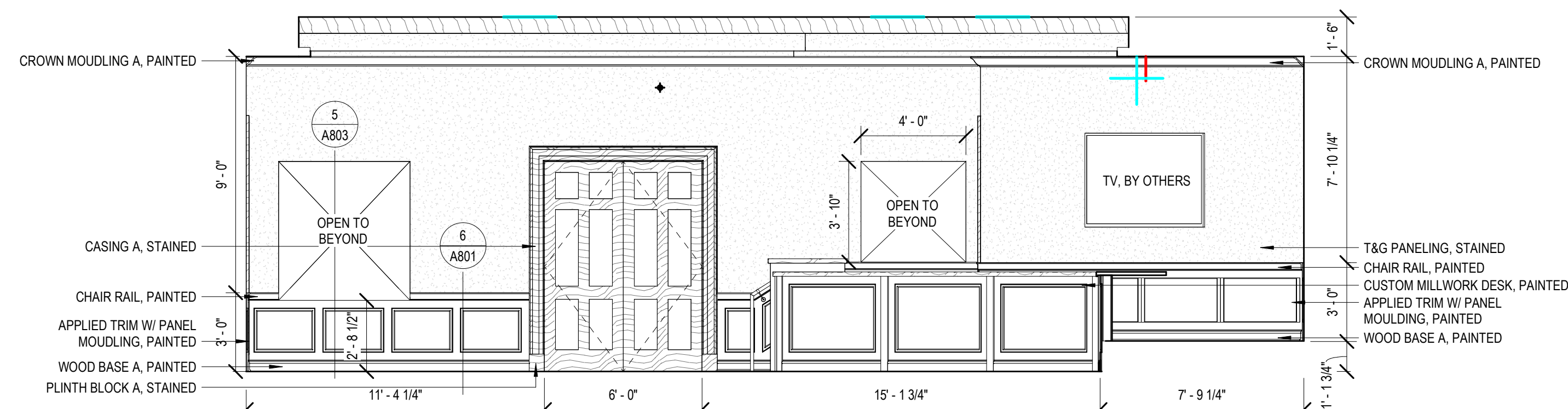
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1/4" = 1'-0"



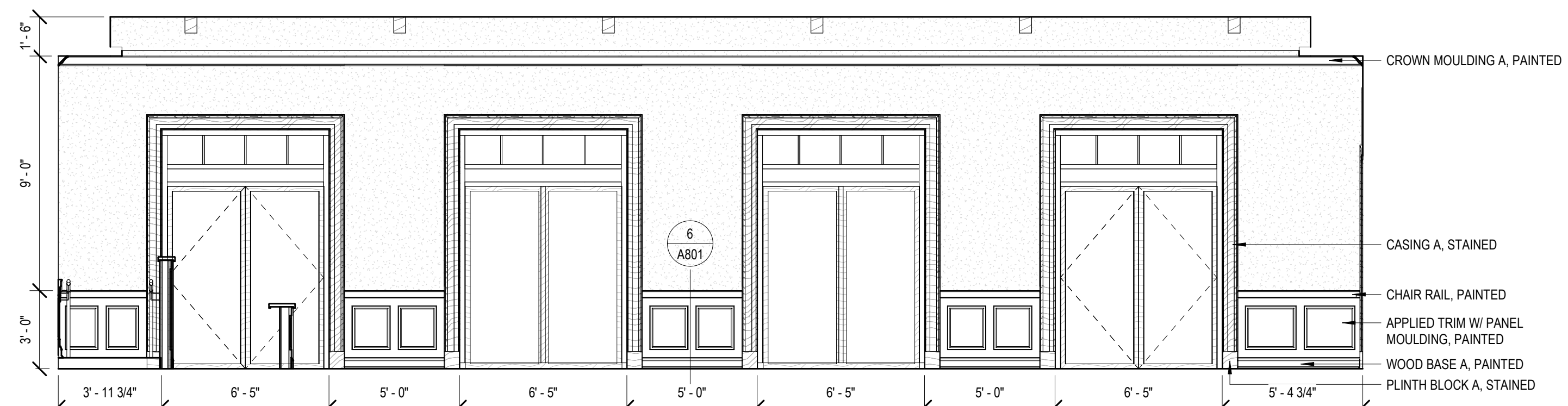
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1/4" = 1'-0"



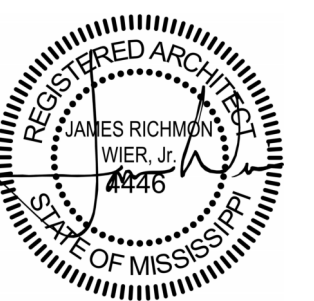
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1/4" = 1'-0"



2 BOARD ROOM 112 INT. ELEV. 02  
1/4" = 1'-0"



1 BOARD ROOM 112 INT. ELEV. 01  
1/4" = 1'-0"



06.21.24

CONSTRUCTION  
DOCUMENTS  
WBA # 23-072

REVISIONS		
NO.	DESCRIPTION	DATE
2	Addendum 02	08/26/24

A702  
INTERIOR  
ELEVATIONS



# ELECTRICAL LEGEND

## GENERAL NOTES

- ALL EQUIPMENT AND DEVICES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.
- DEVICES NOTED AS "GFI" SHALL BE GROUND FAULT CIRCUIT INTERRUPTING DEVICES.
- DEVICES NOTED AS "WP" SHALL BE WEATHERPROOF WHILE-IN-USE.
- DEVICES NOTED AS "DL" SHALL BE RATED FOR DAMP LOCATION.
- DEVICES NOTED AS "NL" SHALL BE NIGHT LIGHTS. PROVIDE UNSWITCHED POWER TO FIXTURE.
- DEVICES NOTED AS "WG" SHALL BE PROVIDED AND INSTALLED WITH A WIRE GUARD.
- DEVICES NOTED AS "TR" SHALL BE TAMPER RESISTANT.
- PROVIDE UNSWITCHED POWER TO EMERGENCY BATTERY PACKS.
- "W/E" INDICATES DEVICE/DISCONNECT PROVIDED WITH THE EQUIPMENT BY OTHERS.

## CONDUIT AND WIRING

CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.

THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.

CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).

CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.

HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.

PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.

LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.

## LUMINAIRES (See Light Fixture Schedule)

NOTE: THE NUMBER INSIDE THE CIRCLE IS THE CIRCUIT NUMBER, THE LETTER BESIDE THE SYMBOL IS THE FIXTURE TYPE DESCRIBED IN THE LIGHT FIXTURE SCHEDULE.

- 2'X4" RECESSED FIXTURE.
- 2'X4" RECESSED EMERGENCY FIXTURE.
- SURFACE MOUNTED OR SUSPENDED FIXTURE.
- SURFACE MOUNTED OR SUSPENDED EMERGENCY FIXTURE.
- RECESSED CEILING FIXTURE.
- RECESSED EMERGENCY CEILING FIXTURE.
- PENDANT MOUNT FIXTURE.
- CEILING MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.
- WALL MOUNTED FIXTURE.
- SITE ARM MOUNT POLE LIGHT FIXTURE.

## MISCELLANEOUS

- PHOTOCELL.
- WALL MOUNTED JUNCTION BOX.

## SWITCHES

- SINGLE-POLE, SINGLE-THROW SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- THREE-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- LED DIMMER EQUAL TO LEVITON #IP710-LFZ MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- AUTOMATIC WALL SWITCH WITH INTEGRAL 0-10V DIMMER. SENSORSWITCH #WSXA-PDT-D-VA OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- HORSEPOWER RATED SWITCH WITH THERMAL OVERLOADS (MANUAL MOTOR STARTER).
- PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 28" RADIAL COVERAGE. CEILING MOUNTED. SENSORSWITCH #CM-PDT-10 OR APPROVED EQUAL.
- POWER PACK MOUNTED ABOVE CEILING. SENSORSWITCH #PP20 OR APPROVED EQUAL.

## ACCESS CONTROL

- ELECTRIC DOOR STRIKE.
- ACCESS CONTROL PANEL.
- ELECTRIC POWER TRANSFER HINGE.

## GEAR

- FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE; F-(RATING OF FUSES).
- PANELBOARD.

## CCTV SYSTEM

- CEILING MOUNTED CAMERA.

## COMMUNICATIONS (Cable Pulled in Contract)

- DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX. COMMUNICATION OUTLET SHALL HAVE ONE TELEPHONE JACK AND ONE DATA JACK UNLESS NOTED OTHERWISE.

## INTRUSION DETECTION SYSTEM

- KEYPAD.
- MOTION DETECTOR.
- PANIC BUTTON.

## VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS

Voltage	Circuit Length	Conductor Size (AWG)
120	< 50'	#12
120	> 50'	#10
120	> 90'	#8
120	> 140'	#6
277	< 130'	#12
277	> 130'	#10
277	> 200'	#8
277	> 330'	#6

- VOLTAGE DROP CHART NOTES:**
- CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED.
  - DO NOT CONNECT CONDUCTORS LARGER THAN #10 DIRECTLY TO A RECEPTACLE OR A SWITCH. PROVIDE A JUNCTION BOX TO DOWNSIZE THE CONDUCTOR TO #12 AT THE DEVICE.
  - FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.

## RECEPTACLES

- DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.
- DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.
- DUPLEX RECEPTACLE, NEMA 5-20R, FOR DRINKING FOUNTAIN FED FROM GFCI BREAKER. MOUNTED IN ACCORDANCE WITH MANUFACTURER'S ROUGH-IN REQUIREMENTS. VERIFY CONNECTION TYPE PRIOR TO BID. RECEPTACLE SHALL BE MOUNTED, CONCEALED BEHIND THE SHROUD OF THE DRINKING FOUNTAIN.
- SINGLE RECEPTACLE, NEMA 14-50R. PROVIDE 6' CORD AND MATCHING PLUG WHERE REQUIRED. MOUNTING DETERMINED BY NEC FOR TYPE OF EQUIPMENT BEING CONNECTED.

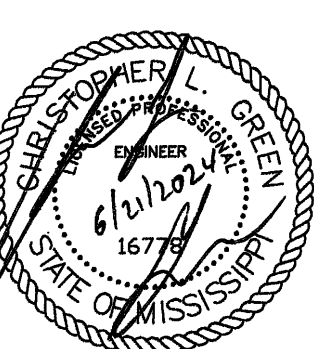
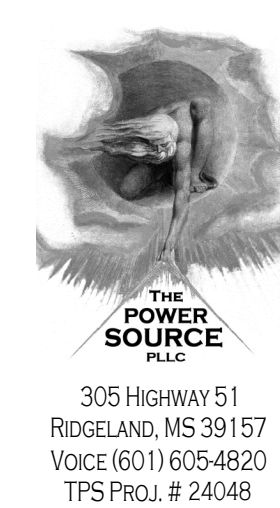
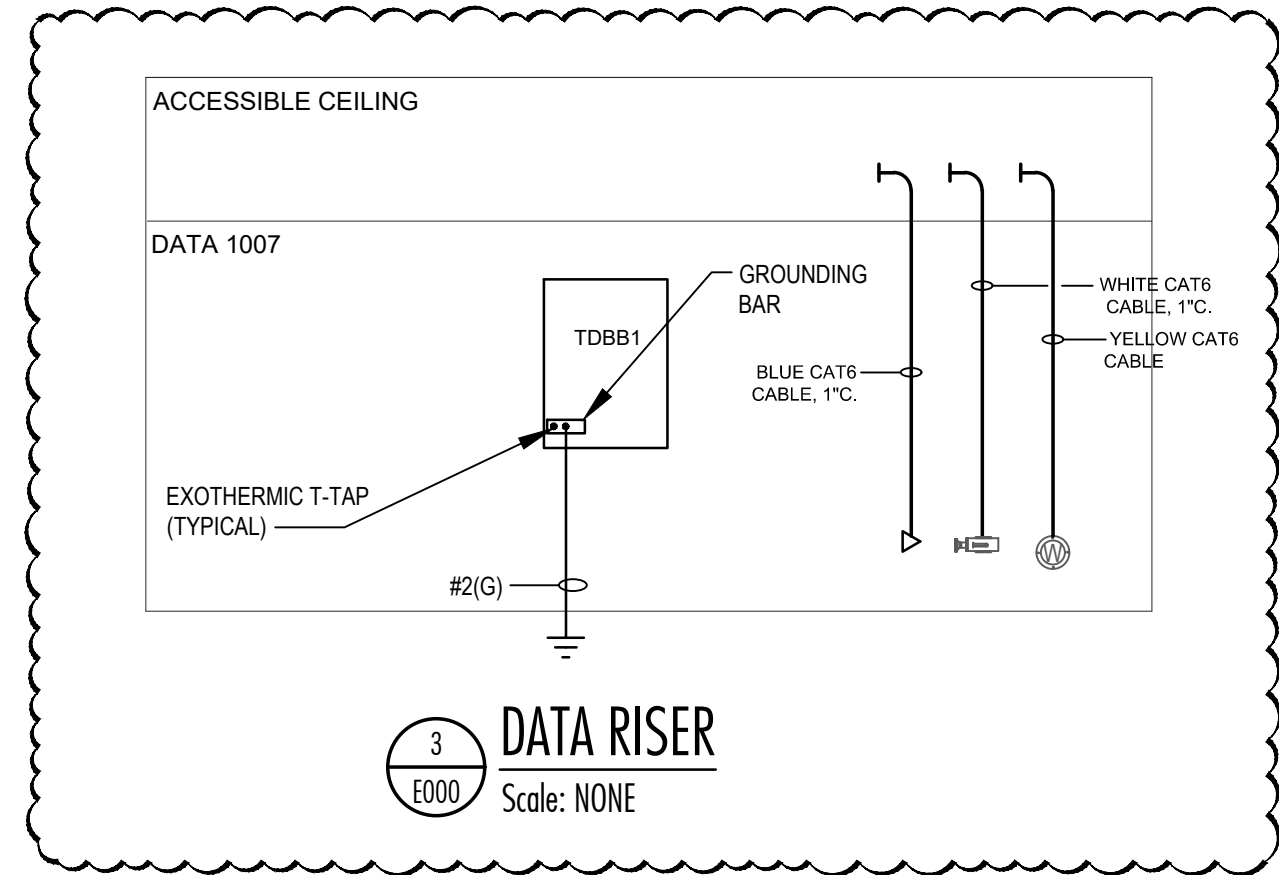
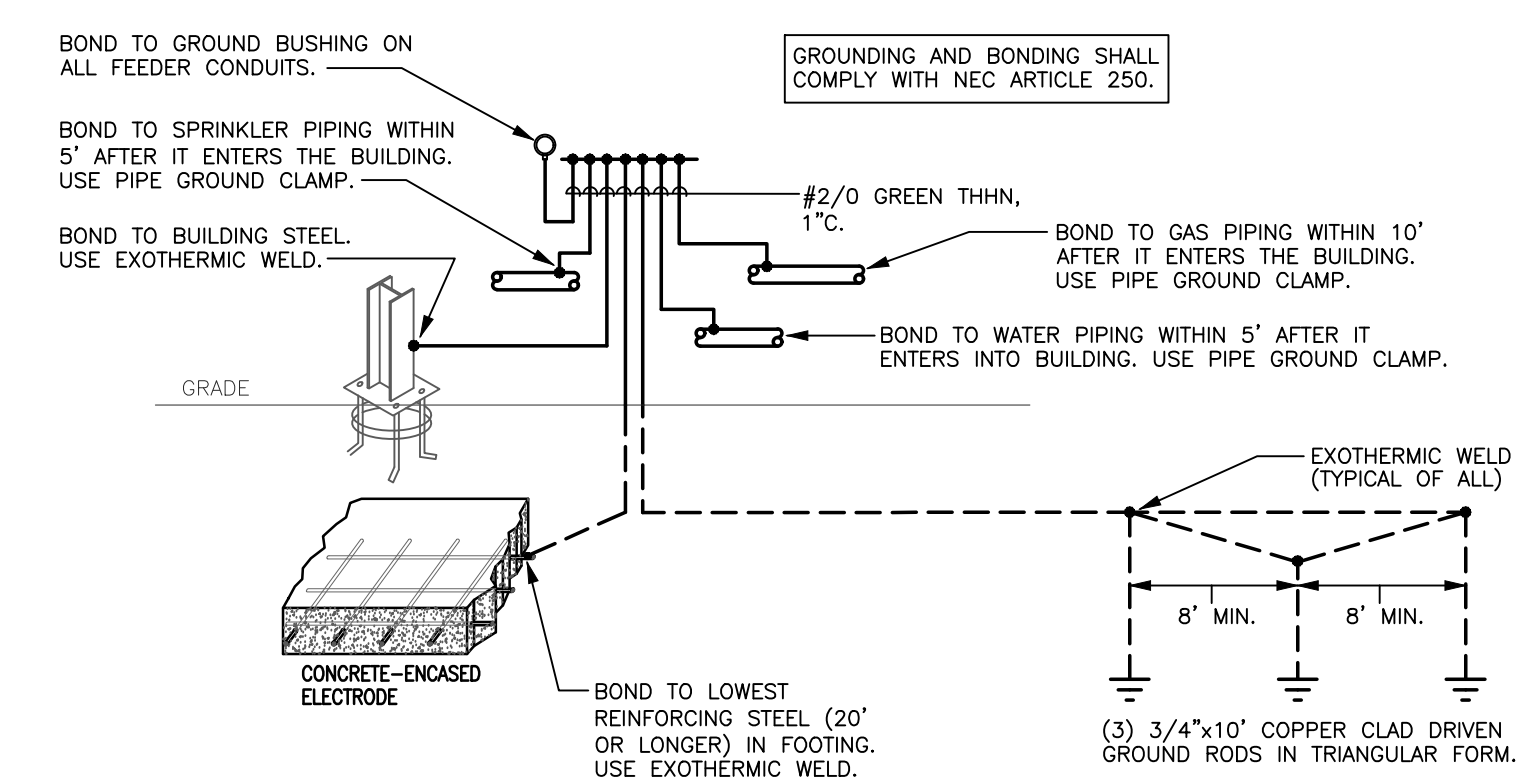
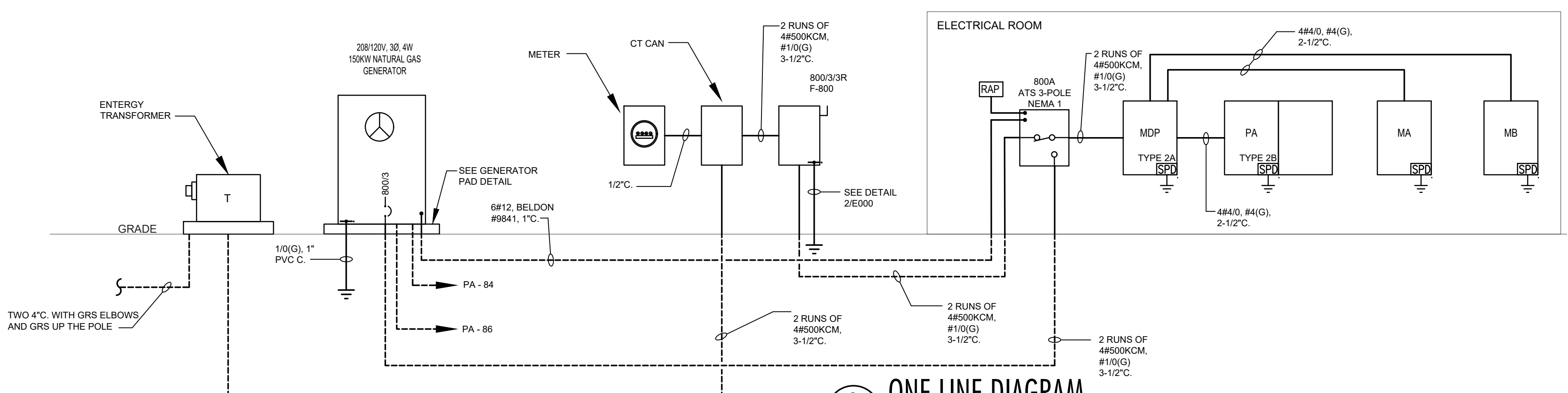
## COMMUNICATIONS

- DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.
- DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.
- WIFI.

# LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	PART NUMBER	LAMPS	MOUNTING	REMARKS
A	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL MVOLT	LED, 45.2W 6,383 LUMENS	RECESSED	
AE	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL MVOLT-E10WLCP	LED, 45.2W 6,383 LUMENS	RECESSED	*WITH 120V EMERGENCY BATTERY PACK.
B	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL MVOLT	LED, 35.9W 4,982 LUMENS	RECESSED	
BE	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL MVOLT-E10WLCP	LED, 35.9W 4,982 LUMENS	RECESSED	*WITH 120V EMERGENCY BATTERY PACK.
C	LITHONIA	LDN6-AL03-SWW1-40K-L06 AR-LS-MVOLT-UGZ	LED, 32W 3,309 LUMENS	RECESSED	
CE	LITHONIA	LDN6-AL03-SWW1-40K-L06 AR-LS-MVOLT-UGZ-EL	LED, 32W 3,309 LUMENS	RECESSED	*WITH 120V EMERGENCY BATTERY PACK.
D	LITHONIA	LDN6-AL03-SWW1-40K-L06 AR-LS-MVOLT-UGZ	LED, 25W 2,431 LUMENS	RECESSED	
DE	LITHONIA	LDN6-AL03-SWW1-40K-L06 AR-LS-MVOLT-UGZ-EL	LED, 25W 2,431 LUMENS	RECESSED	*WITH 120V EMERGENCY BATTERY PACK.
F	LITHONIA	LDN6-AL02-SWW1-40K-L06 AR-LS-MVOLT-UGZ	LED, 12W 1,306 LUMENS	RECESSED	
FE	LITHONIA	LDN6-AL02-SWW1-40K-L06 AR-LS-MVOLT-UGZ-EL	LED, 13W 1,306 LUMENS	RECESSED	*WITH 120V EMERGENCY BATTERY PACK.
G	LITHONIA	CLX-L48-5000LM-SEF-FDL MVOLT-GZ10-40K-80CRI-WH	LED, 32W 5,292 LUMENS	SURFACE	
GE	LITHONIA	CLX-L48-5000LM-SEF-FDL MVOLT-GZ10-40K-80CRI-E10WLCP-WH	LED, 32W 5,292 LUMENS	SURFACE	*WITH 120V EMERGENCY BATTERY PACK.
H	VISUAL COMFORT	DALSTON HANGING SHADE - SP 5020HAB-L	LED	PENDANT	*PROVIDE (4) LED A19 TYPE BULBS.
J	VISUAL COMFORT	ELLIOT MEDIUM DOME PENDANT - SK 5351PY	LED	PENDANT	*PROVIDE (1) LED E26 TYPE BULB.
K	VISUAL COMFORT	18" CABINET MAKER'S PICTURE LIGHT SL 2705HAB	LED	WALL	*PROVIDE (2) LED E26 KEYLESS LINE SWITCH TYPE BULB.
L	VISUAL COMFORT	24" CABINET MAKER'S PICTURE LIGHT SL 2706HAB	LED	WALL	*PROVIDE (2) LED E26 KEYLESS LINE SWITCH TYPE BULB.
M	VISUAL COMFORT	HULTON SCONCE - TOB 2190HAB-L	LED	WALL	*PROVIDE (1) LED E12 TYPE BULB.
N	EVERGREEN LIGHTING	MAD2110L--P-C	LED, 10W 1,000 LUMENS	WALL	
P	HINKLEY	2592BK-LL	LED, 30W	PENDANT	*PROVIDE A 60W EQUIVANT BULB.
R	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL MVOLT	LED, 25W 3,672 LUMENS	RECESSED	
RE	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL MVOLT-E10WLCP	LED, 25W 3,672 LUMENS	RECESSED	*WITH 120V EMERGENCY BATTERY PACK.
T	QTRAN	LL1SW-3.0-35-DRY-STD-FR-P1 CON24-CON24-WH-CL2-SST-ST-*	LED, 3W/FT 249 LUMENS/FT	SURFACE	*VERIFY FIXTURE LENGTH PRIOR TO ORDERING.
SA	LITHONIA	RSX1 LED-P3-40K-R3-MVOLT-SPA-PE DBLXD	LED, 109W 14,023 LUMENS	POLE	POLE #SSS-25'-4G-DM19-DBLXD
SB	LITHONIA	RSX1-LED-P3-40K-R3-MVOLT-SPA-PE DBLXD	LED, (2) 109W (2) 14,023 LUMENS	POLE TWIN HEAD	POLE #SSS-25'-4G-DM28-DBLXD
SC	LITHONIA	RSX1-LED-P4-40K-R3-MVOLT-SPA-PE DBLXD	LED, 133W 16,360 LUMENS	POLE	POLE #SSS-25'-4G-DM19-DBLXD
SD	LITHONIA	RSX1-LED-P3-40K-R4-MVOLT-SPA-PE DBLXD	LED, (2) 109W (2) 14,206 LUMENS	POLE TWIN HEAD	POLE #SSS-25'-4G-DM29-DBLXD
X	LITHONIA	LQM-S-W-3-R-MVOLT-EL N	LED	UNIVERSAL	*WITH 120V EMERGENCY BATTERY PACK.
EM	LITHONIA	AFF-OEL-DWHGXU-VOLT-LTP-SDRT FCT	LED	WALL	*WITH 120V EMERGENCY BATTERY PACK.

**GENERAL LIGHTING NOTES:**  
1. ALL LIGHT FIXTURE WITH SELECTABLE COLOR TEMPERATURE SHALL BE SET TO 4000 KELVIN UNLESS NOTED OTHERWISE.



**PEARL RIVER VALLEY WATER SUPPLY DISTRICT MAIN OFFICE**

1112 N. Shore Pkwy  
Brandon, MS 39047

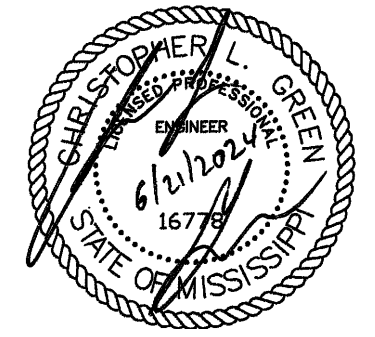
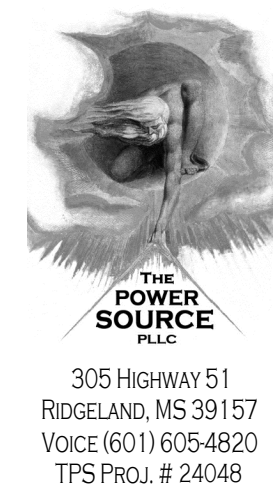
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**CONSTRUCTION DOCUMENTS**  
WBA # 23-072

**REVISIONS**

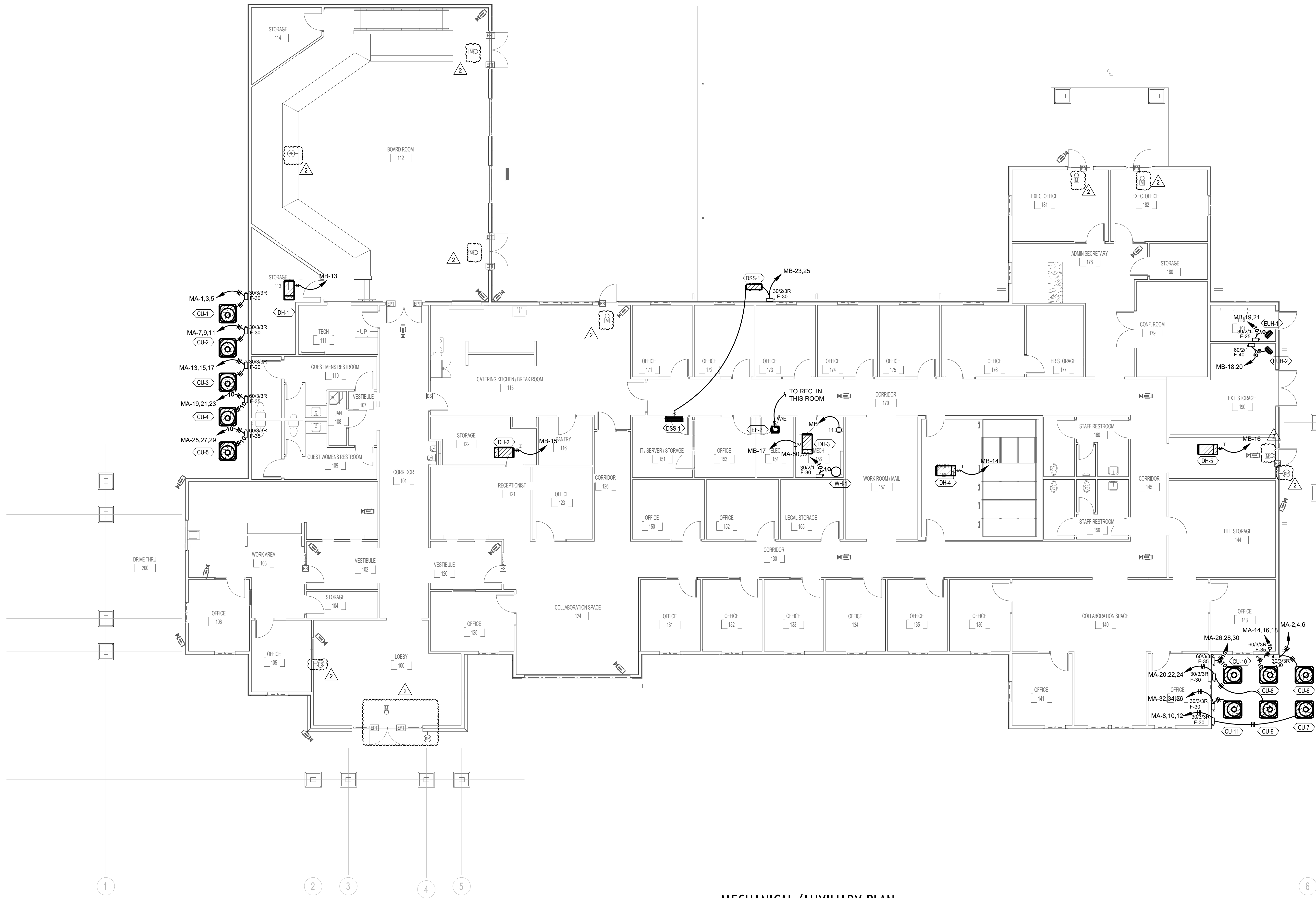
NO.	DESCRIPTION	DATE
▲	ADDENDUM #1	8/9/2024
▲	ADDENDUM #2	8/26/2024

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**PEARL RIVER VALLEY WATER SUPPLY DISTRICT MAIN OFFICE**

1112 N. Shore Pkwy  
Brandon, MS 39047



**MECHANICAL/AUXILIARY PLAN**  
Scale: 1/8" = 1'-0"

06.21.24

**CONSTRUCTION DOCUMENTS**  
WBA # 23-072

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	8/9/2024
2	ADDENDUM #2	8/26/2024

E300