October 24th, 2025

Project Name: PPSD CTE Renovations
Project Number: 25-009

REGISTERED ARCHITECT
JAMES RICHMOND WIER, Jr.
4446
10/16/2025
STATE OF MISSISSIPPI

ADDENDUM NO. 4

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.

GENERAL

Item NO. 01 Prebid Meeting Minutes

SPECIFICATIONS

ITEM NO. 02 **00.0110 Table Of Contents**
REPLACE the section 00.0110 Table of Contents with the attached.
Clarification: Updated table of contents

ITEM NO. 03 **01.2100 Allowances**
REPLACE the section 01.2100 Allowances with the attached.
Clarification: Increased Contingency Allowance

ITEM NO. 04 **04.0100 Maintenance of Masonry**
ADD the section 04.0100 Maintenance of Masonry to the bid documents.

ITEM NO. 05 **05.5000 Metal Fabrications**
ADD the section 05.5000 Metal Fabrications to the bid documents.

ITEM NO. 06 **07.2500 Weather Barriers.0110 Table Of Contents**
ADD the section 07.2500 Weather Barriers to the bid documents.

ITEM NO. 07 **09.9113 Exterior Painting**
REPLACE the section 09.9113 Exterior Painting with the attached.
Clarification: clarified painting scope of work

DRAWINGS

Item NO. 08 **Sheet D101 | DEMO FLOOR PLAN**
REPLACE sheet D101: Demo Floor Plan
Clarification: Clarified demo scope of work

2727 OLD CANTON RD | SUITE 200 | JACKSON, MS 39216 | 601.321.9107WBAARCHITECTURE.COM

Item NO. 09	**Sheet A100 | SITE PLAN** ***REPLACE*** sheet A100: Site Plan *Clarification: Added concrete pad for mechanical equipment*
Item NO. 10	**Sheet A101 | FIRST FLOOR PLAN** ***REPLACE*** sheet A101: First Floor Plan *Clarification: Clarified scope of work*
Item NO. 11	**Sheet A102 | REFLECTED CEILING PLAN** ***REPLACE*** sheet A102: Reflected Ceiling Plan *Clarification: Clarified interior painting scope of work*
Item NO. 12	**Sheet A201 | EXTERIOR ELEVATIONS** ***REPLACE*** sheet A201: Exterior Elevations *Clarification: Clarified EIFS and brick scope of work*
Item NO. 13	**Sheet M000 | MECHANICAL SPECIFICATIONS** ***REPLACE*** sheet M000: Mechanical Specifications *Clarification: Modified Sheet legend*
Item NO. 14	**Sheet M100 | OVERALL MECHANICAL PLANS** ***REPLACE*** sheet M100: Overall Mechanical Plans *Clarification: Clarified demolition scope of work*
Item NO. 15	**Sheet E000 | ELECTRICAL LEGEND** ***REPLACE*** sheet E000: Electrical Legend *Clarification: Modified Electrical legend*
ITEM NO. 16	**Sheet E200 | MECHANICAL PLAN** ***REPLACE*** sheet E200: Mechanical Plan with the attached drawing *Clarification: Modified Mechanical Plan*
ITEM NO. 17	**Sheet E201 | MECHANICAL PLAN** ***REPLACE*** sheet E201: Mechanical Plan with the attached drawing *Clarification: Modified Mechanical Plan*

RFI QUESTIONS

QUESTION 01 *“Is there a division 275117? We see it in the table of contents, but not anything in the specs.”*

ANSWER 01 We do not have an intercom in this project. Please remove this section from the table of contents.

QUESTION 02 *“What are we doing about the damaged, separating gypsum wall board in the hallway next to the restroom? Should we consider adding an expansion joint?”*

ANSWER 02 Refer to sheet A201 Exterior Elevations

Encl: Pre bid meeting minutes (8.5”x11”), 00.0110 Table of Contents (8.5”x11”), 01.2100 Allowances (8.5”x11”), 04.0100 Maintenance of Masonry (8.5”x11”), 05.5000 Metal Fabrications (8.5”x11”), 07.2500 Weather Barriers (8.5”x11.”), 09.9113 Exterior Painting (8.5”x11”), D101 Demo Floor Plan (24”x 36”), A100 Site Plan (24”x 36”), A101 First Floor Plan (24”x 36”), A102 Reflected Ceiling Plan (24”x 36”), A201 Exterior Elevations (24”x 36”), M000 Mechanical Specifications (24”x 36”), M100 Overall Mechanical Plans (24”x 36”), E00 Electrical Legend (24”x 36”), E200 Mechanical Plan (24”x 36”), E201 Mechanical Plan (24”x 36”), 2 RFI questions

Cc: All document holders

PROJECT MEETING MINUTES

Project Name:	PPSD CTE Renovations	Date:	October 21st, 2025
Project No:	25-009	Location:	On Site
RE:	Pre-Bid Meeting	By:	Ebony Batchelor

ACTION ITEMS:

- [ ] WBA to issue clarifications to what was discussed on site in the next addendum.

ITEMS DISCUSSED:

1. WBA + Owner + Plan holders met on site and went over the scope of work for the project:
    a. The roof coping around the building needs to be replaced. The damage to the EIFs is being caused by the water being blown into the open cavity.
    b. WBA confirmed that the cracks in the front parking lot need to be replaced up to the nearest control joints
    c. The roof drains at the front of the building need to be scoped and investigated to determine the issue with the roof holding water.
    d. The expansion joint on the exterior of the building needs to be widened to accept a sealant joint.
    e. The structure and the exposed insulation at the roof of the apparatus bay needs to be painted the same color.
    f. It's more economical and cost effective to paint the brick and the grout a solid color instead of staining just the grout color.
    g. The new unit is currently being shown overhanging the existing sidewalk. Needs to pour additional sidewalk around the new unit and install bollards around it.
    h. Add a scope note in the drawings to demolish the existing intake louver in order to run ductwork into the building. .
    i. GC Question: What are we doing about the damaged, separating gypsum wall board in the hallway next to the restroom? Should we consider adding an expansion joint?

NO MORE ITEMS

Attached:

Table of Contents

DIVISION 26 - ELECTRICAL

DIVISION 27 - COMMUNICATIONS

Allowances

PART 1 GENERAL

1. SECTION INCLUDES
   A. Cash allowances.
   B. Contingency allowance.
   C. Payment and modification procedures relating to allowances.
2. RELATED REQUIREMENTS
   A. Section 01.2000 - Price and Payment Procedures: Additional payment and modification procedures.
3. CASH ALLOWANCES
   A. Costs Included in Cash Allowances: Cost of product to Contractor or subcontractor, including product delivery to site and handling at the site, including unloading, uncrating, and storage; protection of products from elements and from damage; and labor for installation and finishing, less applicable trade discounts , less Overhead, Profit, Bond and Insurance costs associated with cash allowances. Overhead, Profit, Bond and Insurance costs shall be included in Base Bid costs in addition to the related cash allowances..
   B. Architect Responsibilities:
      1. Consult with Contractor for consideration and selection of products, suppliers , and installers.
      2. Select products in consultation with Owner and transmit decision to Contractor.
      3. Prepare Change Order at Project Closeout to adjust Contract Sum for un-used allowance amounts.
   C. Contractor Responsibilities:
      1. Assist Architect in selection of products, suppliers , and installers.
      2. Advise the Architect of dates when final selection and purchase assocatied with allownaces must be completed to avoid delay of work.
      3. Obtain proposals from suppliers and installers and offer recommendations.
      4. Submit proposals for Architects review and approval prior to purchase.
      5. On notification of which products have been selected, execute purchase agreement with designated supplier and installer.
      6. Arrange for and process shop drawings, product data, and samples. Arrange for delivery.
      7. Promptly inspect products upon delivery for completeness, damage, and defects. Submit claims for transportation damage.
      8. At the direction of the Architect, return unsued materials to manufacturer or supplier for credit, prepare unsuded materials for stroage by Owner, or dispose of unused materials at the Contractor's expense.
   D. Differences in costs will be adjusted by Change Order prior to closeout.
4. CONTINGENCY ALLOWANCE
   A. Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit will be included in Change Orders authorizing expenditure of funds from this Contingency Allowance.
   B. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order.
5. ALLOWANCES SCHEDULE
   A. Contingency Allowance: Include the stipulated sum/price of $30,000 for use upon Architect's and/or Owner's instructions.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

Maintenance of Masonry

PART 1 GENERAL

1. SECTION INCLUDES
   A. Water cleaning of Masonry surfaces.
   B. Repointing mortar joints.
   C. Repair of damaged masonry.
2. RELATED REQUIREMENTS
   A. Section 04.0511 - Masonry Mortaring and Grouting.
   B. Section 04.2000 - Unit Masonry: Brick masonry units.
3. REFERENCE STANDARDS
   A. TMS 402/602 - Building Code Requirements and Specification for Masonry Structures; 2016.
4. SUBMITTALS
   A. See Section 01.3000 - Administrative Requirements, for submittal procedures.
   B. Product Data: Provide data on cleaning compounds.
   C. Manufacturer's Instructions: For cleaning materials, indicate special procedures, conditions requiring special attention.
5. FIELD CONDITIONS
   A. Cold and Hot Weather Requirements: Comply with requirements of TMS 402/602 or applicable building code, whichever is more stringent.
   B. Maintain materials and surrounding air temperature to minimum 40 degrees F (5 degrees C) prior to, during, and 48 hours after completion of masonry work.
   C. Maintain materials and surrounding air temperature to maximum 90 degrees F (32 degrees C) prior to, during, and 48 hours after completion of masonry work.

PART 2 PRODUCTS

1. MANUFACTURERS
   A. Restoration and Cleaning Chemicals:
      1. Diedrich Technologies, Inc; ____: www.diedrichtechnologies.com/#sle.
      2. HMK Stone Care System; ____: www.hmkstonecare.com/#sle.
      3. PROSOCO; ____: www.prosoco.com/#sle.
      4. Substitutions: See Section 01.6000 - Product Requirements.
2. CLEANING MATERIALS
   A. Cleaning Agent: Detergent type.

PART 3 EXECUTION

1. EXAMINATION
   A. Verify that surfaces to be cleaned are ready for work of this section.
2. PREPARATION
   A. Protect surrounding elements from damage due to restoration procedures.
   B. Carefully remove and store removable items located in areas to be restored, including fixtures, fittings, finish hardware, and accessories; reinstall upon completion.
   C. Mask immediately adjacent surfaces with material that will withstand cleaning and restoration procedures.
   D. Close off adjacent occupied areas with dust proof and weatherproof partitions.
   E. When using cleaning methods that involve water or other liquids, install drainage devices to prevent runoff over adjacent surfaces unless those surfaces are impervious to damage from runoff.

F. Do not allow cleaning runoff to drain into sanitary or storm sewers.

3. REBUILDING

A. Cut out damaged and deteriorated masonry with care in a manner to prevent damage to any adjacent remaining materials.

4. REPOINTING

A. Perform repointing prior to cleaning masonry surfaces.

B. Cut out loose or disintegrated mortar in joints to minimum 1/2 inch (6 mm) depth or until sound mortar is reached.

C. Do not damage masonry units.

5. CLEANING EXISTING MASONRY

A. Cleaning Detergent: Brush clean ________ type masonry surfaces at ________ locations with ________ type cleaning agent in accordance with the manufacturer's instructions. Saturate masonry with clean water and flush loose mortar and dirt.

6. CLEANING

A. Immediately remove stains, efflorescence, or other excess resulting from the work of this section.

B. Remove excess mortar, smears, and droppings as work proceeds and upon completion.

C. Clean surrounding surfaces.

END OF SECTION

Metal Fabrications

PART 1 GENERAL

1. SECTION INCLUDES
   A. Shop fabricated steel and aluminum items, including:
   B. Bollards
2. RELATED REQUIREMENTS
   A. Section 03.3000 - Cast-in-Place Concrete: Placement of metal fabrications in concrete.
   B. Section 09.9113 - Exterior Painting: Paint finish.
   C. Section 32.3300 - Site Furnishings: Steel pipe bollards to match other site furnishings.
3. REFERENCE STANDARDS
   A. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2012.
   B. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2015.
   C. SSPC-Paint 15 - Steel Joist Shop Primer/Metal Building Primer; 1999 (Ed. 2004).
4. SUBMITTALS
   A. See Section 01.3000 - Administrative Requirements, for submittal procedures.
   B. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations, and details where applicable.

PART 2 PRODUCTS

1. MATERIALS - STEEL
   A. Pipe: ASTM A53/A53M, Grade B Schedule 40, black finish.
   B. Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities having jurisdiction.
2. FABRICATION
   A. Fit and shop assemble items in largest practical sections, for delivery to site.
   B. Fabricate items with joints tightly fitted and secured.
   C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.
3. FABRICATED ITEMS
   A. Bollards: Steel pipe, concrete filled, crowned cap, as detailed; prime paint finish.

PART 3 EXECUTION

1. EXAMINATION
   A. Verify that field conditions are acceptable and are ready to receive work.
2. PREPARATION
   A. Clean and strip primed steel items to bare metal where site welding is required.
   B. Supply setting templates to the appropriate entities for steel items required to be cast into concrete or embedded in masonry.
3. INSTALLATION
   A. Install items plumb and level, accurately fitted, free from distortion or defects.
   B. Obtain approval prior to site cutting or making adjustments not scheduled.

C. After erection, prime welds, abrasions, and surfaces not shop primed , except surfaces to be in contact with concrete.

END OF SECTION

Weather Barriers

PART 1 GENERAL

1. SECTION INCLUDES
   - A. Water-Resistive Barrier: Under exterior wall cladding, over sheathing or other substrate; not air tight or vapor retardant.
   - B. Air Barriers: Materials that form a system to stop passage of air through exterior walls, joints between exterior walls and roof, and joints around frames of openings in exterior walls.
2. RELATED REQUIREMENTS
   - A. Section 07.6200 - Sheet Metal Flashing and Trim: Metal flashings installed in conjunction with weather barriers.
   - B. Section 07.9200 - Joint Sealants: Sealing building expansion joints.
3. DEFINITIONS
   - A. Weather Barrier: Assemblies that form either water-resistive barriers, air barriers, or vapor retarders.
   - B. Air Barrier: Air tight barrier made of material that is relatively air impermeable but water vapor permeable, both to the degree specified, with sealed seams and with sealed joints to adjacent surfaces. Note: For the purposes of this specification, vapor impermeable air barriers are classified as vapor retarders.
   - C. Water-Resistive Barrier: Water-shedding barrier made of material that is moisture resistant, to the degree specified, intended to be installed to shed water without sealed seams.
4. REFERENCE STANDARDS
   - A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; Current Edition.
   - B. ASTM D226/D226M - Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing; 2009.
   - C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2024.
   - D. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2014.
   - E. ASTM E2178 - Standard Test Method for Air Permeance of Building Materials; 2013.
   - F. ICC-ES AC38 - Acceptance Criteria for Water-Resistive Barriers; ICC Evaluation Service, Inc.; 2013.
5. SUBMITTALS
   - A. See Section 01.3000 - Administrative Requirements, for submittal procedures.
   - B. Product Data: Provide data on material characteristics.
   - C. Manufacturer's Installation Instructions: Indicate preparation.
6. QUALITY ASSURANCE
   - A. Air Barrier Association of America (ABAA) Quality Assurance Program (QAP); www.airbarrier.org/#sle:
     1. Installer Qualification: Use accredited contractor, certified installers, evaluated materials, and third-party field quality control audit.
     2. Manufacturer Qualification: Use evaluated materials from a single manufacturer regularly engaged in air barrier material manufacture, and use secondary materials approved in writing by primary material manufacturer.
7. FIELD CONDITIONS
   - A. Maintain temperature and humidity recommended by the materials manufacturers before, during and after installation.

PART 2 PRODUCTS

1. WEATHER BARRIER ASSEMBLIES
   A. Water-Resistive Barrier: Provide on exterior walls under exterior cladding.
      1. Use building paper unless otherwise indicated.
      2. Under EIFS, use one layer of building paper installed over fluid-applied coating.
   B. Air Barrier:
      1. On outside surface of sheathing of exterior walls use air barrier coating.
2. WATER-RESISTIVE BARRIER MATERIALS (NEITHER AIR BARRIER OR VAPOR RETARDER)
   A. Asphalt Felt: ASTM D226/D226M Type II felt (No.30).
   B. Building Paper: Asphalt-saturated Kraft building paper complying with requirements of ICC-ES AC38 Grade D.
3. AIR BARRIER MATERIALS (WATER VAPOR PERMEABLE AND WATER-RESISTIVE)
   A. Air Barrier, Fluid Applied: Vapor permeable, elastomeric waterproofing (WB#3).
      1. Air Barrier Coating:
         a. Material: Acrylic.
         b. Dry Film Thickness (DFT): 40 mils (40 inch) (.040 mm), minimum.
         c. Air Permeance: 0.004 cfm/sq ft (0.02 L/(s sq m)), maximum, when tested in accordance with ASTM E2178.
         d. Water Vapor Permeance: 10 perms (574 ng/(Pa s sq m)), minimum, when tested in accordance with ASTM E96/E96M, Procedure B.
         e. Surface Burning Characteristics: Flame spread index of 25 or less, smoke developed index of 450 or less, when tested in accordance with ASTM E84.
         f. Fire Propagation Characteristics: Passes NFPA 285 testing as a part of an approved assembly.
         g. Nail Sealability: Pass, when tested in accordance with ASTM D1970/D1970M.
         h. UV Exposure Limit: 180 Calendar Days.
         i. Sealants, Tapes and Accessories: As recommended by coating manufacturer.
         j. Use in conjunction with compatible fluid applied flashing material at windows and penetrations.
         k. Use in conjunction with compatible transition membrane material at transitions to achieve air barrier continuity.
         l. Manufacturers:
            1) Grace Construction Products, Perm-a-barrier VPL with Perm-a-barrier Detail Membrane and Perm-a-barrier Liquid Flashing
            2) Henry Company, Air Bloc 31MR with Blueskin VP160, Air-Bloc LF Liquid-Applied Flashing
            3) Sto Corp; Sto Air Seal with StoGuard Transition Membrane and StoGuard RapidSeal: www.stocorp.com/sle.
            4) __________.
            5) Substitutions: See Section 01.6000 - Product Requirements.
      2.
4. ACCESSORIES
   A. Sealants, Tapes, and Accessories for Sealing Weather Barrier and Sealing Weather Barrier to Adjacent Substrates: As specified or as recommended by weather barrier manufacturer.

B. Flexible Flashing: Self-adhesive sheet flashing complying with ASTM D1970/D1970M, except slip resistance requirement is waived if not installed on a roof.
C. Liquid Flashing: One part, fast curing, non-sag, elastomeric, gun grade, trowelable liquid flashing.
D. Thinners and Cleaners: As recommended by material manufacturer.

PART 3 EXECUTION

1. EXAMINATION
   A. Verify that surfaces and conditions are ready to accept the work of this section.
2. PREPARATION
   A. Remove projections, protruding fasteners, and loose or foreign matter that might interfere with proper installation.
   B. Clean and prime substrate surfaces to receive adhesives in accordance with manufacturer's instructions.
3. INSTALLATION
   A. Install materials in accordance with manufacturer's instructions. Specifically follow manufactuerer's instruction for fastening methods, patterns and spacing as well as treatment of openings and penetrations.
   B. Water-Resistive Barriers: Install continuous barrier over surfaces indicated, with sheets lapped to shed water but with seams not sealed.
   C. Air Barriers: Install continuous air tight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.
   D. Vapor Retarders: Install continuous air tight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.
   E. Installation of Mechanically Fastened Sheets (WB#1) - On Exterior:
      1. Install sheets shingle-fashion to shed water, with seams generally horizontal.
      2. Overlap seams as recommended by manufacturer but at least 6 inches.
      3. Overlap at outside and inside corners as recommended by manufacturer but at least 12 inches (305 mm).
      4. Attach to framed construction with fasteners extending through sheathing into framing. Space fasteners at 12 to 18 inches (305 to 460 mm) on center along each framing member supporting sheathing.
      5. Attach to masonry construction using mechanical fasteners spaced at 12 to 18 inches (305 to 460 mm) on center vertically and maximum 24 inches (610 mm) on center horizontally.
      6. Where stud framing rests on concrete or masonry, extend lower edge of sheet at least 4 inches (100 mm) below bottom of framing (or as far as possible without being exposed if less than 4 inches) and seal to foundation with sealant.
      7. Install water-resistive barrier over jamb flashings.
      8. Install air barrier and vapor retarder underneath the jamb flashings.
      9. Install head flashings under weather barrier.
      10. At openings to be filled with frames having nailing flanges, wrap excess sheet into opening; at head, seal sheet over flange and flashing.
   F. Installation of Fluid Applied Coating Weather Barrier (WB#3):
      1. Prepare substrate in manner recommended by coating manufacturer; treat joints in substrate and between dissimilar materials as recommended by manufacturer.

2. Apply air barrier membrane to achieve a continuous air barrier according to air barrier manufacturer's written instructions.
3. Apply a continuous unbroken air barrier to substrates according to the following minimum thickness. Apply membrane in full contact around protrusions such as masonry ties.
   a. Vapor-Permeable Membrane Air Barrier: 70-mil (1.8-mm) wet film thickness, 40-mil (1.0-mm) dry film thickness.
4. Use flashing to seal to adjacent construction and to bridge joints.

G. Openings and Penetrations in Exterior Weather Barriers:
1. Install flashing over sills, covering entire sill frame member, extending at least 5 inches (125 mm) onto weather barrier and at least 6 inches (150 mm) up jambs; mechanically fasten stretched edges.
2. At openings to be filled with frames having nailing flanges, seal head and jamb flanges using a continuous bead of sealant compressed by flange and cover flanges with sealing tape at least 4 inches (100 mm) wide; do not seal sill flange.
3. At openings to be filled with non-flanged frames, seal weather barrier to each side of opening framing, using flashing at least 9 inches (230 mm) wide, covering entire depth of framing.
4. At head of openings, install flashing under weather barrier extending at least 2 inches (50 mm) beyond face of jambs; seal weather barrier to flashing.
5. At interior face of openings, seal gap between window/door frame and rough framing, using joint sealant over backer rod.
6. Service and Other Penetrations: Form flashing around penetrating item and seal to weather barrier surface.

4. FIELD QUALITY CONTROL

A. See Section 01.4000 - Quality Requirements, for additional requirements.

B. Coordination of ABAA Tests and Inspections:
1. Provide testing and inspection required by ABAA QAP.
2. Notify ABAA in writing of schedule for air barrier work, and allow adequate time for testing and inspection.
3. Cooperate with ABAA testing agency.
4. Allow access to air barrier work areas and staging.
5. Do not cover air barrier work until tested, inspected, and accepted.

C. Do not cover installed weather barriers until required inspections have been completed.

D. Obtain approval of installation procedures by the weather barrier manufacturer based on a mock-up installed in place, prior to proceeding with remainder of installation.

E. Take digital photographs of each portion of the installation prior to covering up.

5. PROTECTION

A. Do not leave materials exposed to weather longer than recommended by manufacturer.

END OF SECTION

Exterior Painting

PART 1 GENERAL

1. SECTION INCLUDES
   A. Surface preparation.
   B. Field application of paints.
   C. Scope: Finish exterior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:
      1. Both sides and edges of plywood backboards for electrical and telecom equipment before installing equipment.
      2. Exposed surfaces of steel lintels and ledge angles.
      3. Mechanical and Electrical:
         a. On the roof and outdoors, paint equipment that is exposed to weather or to view, including factory-finished materials.
   D. Do Not Paint or Finish the Following Items:
      1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
      2. Items indicated to receive other finishes.
      3. Items indicated to remain unfinished.
      4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.
      5. Non-metallic roofing and flashing.
      6. Stainless steel, anodized aluminum, bronze, terne coated stainless steel, zinc, and lead.
      7. Marble, granite, slate, and other natural stones.
      8. Floors, unless specifically indicated.
      9. Ceramic and other types of tiles.
      10. Glass.
      11. Concrete masonry units in utility, mechanical, and electrical spaces.
      12. Concealed pipes, ducts, and conduits.
2. RELATED REQUIREMENTS
   A. Section 01.6116 - Volatile Organic Compound (VOC) Content Restrictions.
   B. Section 05.5000 - Metal Fabrications: Shop-primed items.
   C. Section 05.5100 - Metal Stairs: Shop-primed items.
   D. Section 09.9123 - Interior Painting.
   E. Section 09.9600 - High-Performance Coatings.
   F. Section 32.1723.13 - Painted Pavement Markings: Painted pavement markings.
3. DEFINITIONS
   A. Comply with ASTM D16 for interpretation of terms used in this section.
4. REFERENCE STANDARDS
   A. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2014.
   B. ASTM D4258 - Standard Practice for Surface Cleaning Concrete for Coating; 2005 (Reapproved 2012).
   C. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; Current Edition, www.paintinfo.com.
   D. SSPC-SP 1 - Solvent Cleaning; 2015.
   E. SSPC-SP 2 - Hand Tool Cleaning; 1982 (Ed. 2004).
   F. SSPC-SP 6 - Commercial Blast Cleaning; 2007.
   G. SSPC-SP 13 - Surface Preparation of Concrete; (Reaffirmed 2015).; 2003.

5. SUBMITTALS
   A. See Section 01.3000 - Administrative Requirements, for submittal procedures.
   B. Product Data: Provide complete list of products to be used, with the following information for each:
      1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
      2. MPI product number (e.g. MPI #47).
      3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.
      4. Full and complete color charts for all paint systems specified.
   C. Samples: Submit two paper chip samples, ____x____ inch (____x____ mm) in size illustrating range of colors and textures available for each surface finishing product scheduled.
   D. Maintenance Data: Submit data including finish schedule showing where each product/color/finish was used, product technical data sheets, material safety data sheets (MSDS), care and cleaning instructions, touch-up procedures, repair of painted and finished surfaces, and color samples of each color and finish used.
6. QUALITY ASSURANCE
   A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum ten years documented experience.
   B. Applicator Qualifications: Company specializing in performing the type of work specified with minimum five years documented experience and approved by manufacturer.
7. MOCK-UP
   A. See Section 01.4000 - Quality Requirements, for general requirements for mock-up.
   B. Provide panel, 4 feet (____ m) long by 4 feet (____ m) wide, in place, illustrating paint color, texture, and finish.
8. DELIVERY, STORAGE, AND HANDLING
   A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
   B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
   C. Paint Materials: Store at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees C), in ventilated area, and as required by manufacturer's instructions.
9. FIELD CONDITIONS
   A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
   B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
   C. Do not apply exterior paint and finishes during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.
   D. Minimum Application Temperatures for Latex Paints: 50 degrees F (10 degrees C) for exterior; unless required otherwise by manufacturer's instructions.
   E. Provide lighting level of 80 ft candles (860 lx) measured mid-height at substrate surface.

PART 2 PRODUCTS

1. MANUFACTURERS
    - A. Provide paints and finishes used in any individual system from the same manufacturer; no exceptions.
    - B. Paints:
        1. Base Manufacturer: Benjamin Moore & Co..
        2. Sherwin-Williams Company; _____: www.sherwin-williams.com/#sle.
    - C. Primer Sealers: Same manufacturer as top coats.
2. PAINTS AND FINISHES - GENERAL
    - A. Paints and Finishes: Ready mixed, unless required to be a field-catalyzed paint.
        1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
        2. Supply each paint material in quantity required to complete entire project's work from a single production run.
        3. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.
3. PAINT SYSTEMS - EXTERIOR
    - A. Paint E-OP - Exterior Surfaces to be Painted, Unless Otherwise Indicated: Including primed metal.
        1. One coat primer: [Benjamin Moore Fresh Start Multi Purpose Primer (N023)].
        2. Top Coat(s): Two coats of Exterior Latex.
    - B. Paint E-TR-C - Transparent Finish on Concrete Floors:
        1. 2 coats sealer over 1 coat stain.
        2. Stain: Semi-Transparent Stain for Concrete Floors; MPI #58.
            - a. Products:
                - 1) Behr Premium Semi-Transparent Concrete Stain [No. 850]. (MPI #58)
                - 2) Substitutions: Section 01.6000 - Product Requirements.
        3. Sealer: Water Based Sealer for Concrete Floors; MPI #99.
            - a. Products:
                - 1) Sherwin-Williams H&C Clarishield Water-Based Wet-Look Concrete Sealer. (MPI #99)
                - 2) Substitutions: Section 01.6000 - Product Requirements.
    - C. Paint CE-OP-3L - Masonry/Concrete, Opaque, Latex, 3 Coat:
        1. One coat of block filler.
        2. Flat: Two coats of latex enamel; ____.
    - D. Paint GE-OP-3L - Exterior Gypsum Board and Exterior Plaster, Opaque, Latex, 3 Coat:
        1. One coat of latex primer sealer.
        2. Flat: Two coats of latex; ____.
    - E. Paint ME-OP-2A - Ferrous Metals, Primed, Alkyd, 3 Coat:
        1. Touch-up with rust-inhibitive primer; Benjamin Moore Alkyd Metal Primer (P06); MPI #79.
        2. Gloss: Three coats of alkyd enamel; Benjamin Moore Super Spec Urethane Alkyd Gloss Enamel (P22); MPI #9, #48.
    - F. Paint MgE-OP-3A - Galvanized Metals, Alkyd, 3 Coat:
        1. One coat galvanize primer; Benjamin Moore Acrylic Primer (P04); MPI #107, #134.

2. Gloss: Two coats of alkyd enamel; Benjamin Moore Super Spec Urethane Alkyd Gloss Enamel (P22); MPI #9, #48.

4. PRIMERS
   A. Primers: Provide the following unless other primer is required or recommended by manufacturer of top coats.
      1. Interior/Exterior Latex Block Filler; MPI #4.
         a. Products:
            1) Sherwin-Williams ConFlex Block Filler. (MPI #4)
            2) Sherwin-Williams Loxon Block Surfacer. (MPI #4)
            3) Substitutions: Section 01.6000 - Product Requirements.
      2. Anti-Corrosive Alkyd Primer for Metal; MPI #79.
         a. Products:
            1) Pittsburgh Paints Speedhide Interior/Exterior Rust Inhibitive Steel Primer, 6-212 Series. (MPI #79)
            2) Substitutions: Section 01.6000 - Product Requirements.
5. ACCESSORY MATERIALS
   A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.
   B. Patching Material: Latex filler.
   C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

1. EXAMINATION
   A. Do not begin application of paints and finishes until substrates have been properly prepared.
   B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
   C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.
   D. Test shop-applied primer for compatibility with subsequent cover materials.
   E. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
      1. Exterior Plaster and Stucco: 12 percent.
      2. Masonry, Concrete, and Concrete Masonry Units: 12 percent.
      3. Concrete Floors and Traffic Surfaces: 8 percent.
2. PREPARATION
   A. Clean surfaces thoroughly and correct defects prior to application.
   B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   C. Remove or repair existing paints or finishes that exhibit surface defects.
   D. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces for finishing.
   E. Seal surfaces that might cause bleed through or staining of topcoat.
   F. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

G. Masonry:
   1. Clean surfaces with pressurized water. Use pressure range of 600 to 1,500 psi (4,140 to 10,350 kPa) at 6 to 12 inches (150 to 300 mm). Allow to dry.
H. Exterior Insulation and Finsih Systems: Fill hairline cracks, small holes, and imperfections with exterior patching plaster. Make smooth and flush with adjacent surfaces. Wash and neutralize high alkali surfaces.
I. Concrete Floors and Traffic Surfaces: Remove contamination, acid etch, and rinse floors with clear water. Verify required acid-alkali balance is achieved. Allow to dry.
J. Aluminum: Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
K. Galvanized Surfaces:
   1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
   2. Prepare surface according to SSPC-SP 2.
L. Ferrous Metal:
   1. Solvent clean according to SSPC-SP 1.
   2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces.
   3. Remove rust, loose mill scale, and other foreign substances using using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 "Commercial Blast Cleaning". Protect from corrosion until coated.
M. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3. APPLICATION
   A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
   B. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".
   C. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
   D. Apply each coat to uniform appearance.
   E. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply additional coats until complete hide is achieved.
   F. Sand wood and metal surfaces lightly between coats to achieve required finish.
   G. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
   H. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

4. CLEANING
   A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

5. PROTECTION
   A. Protect finishes until completion of project.
   B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION

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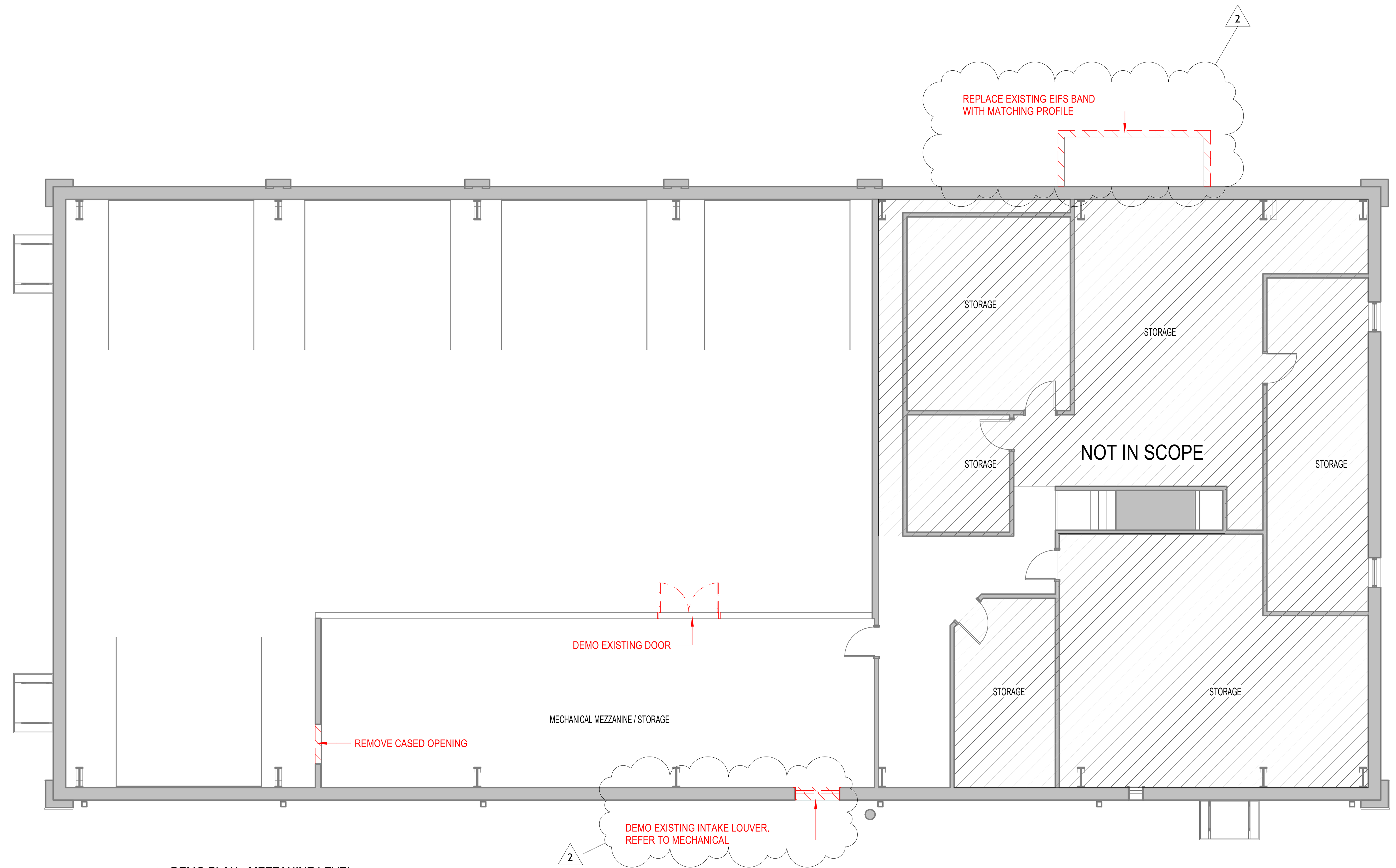
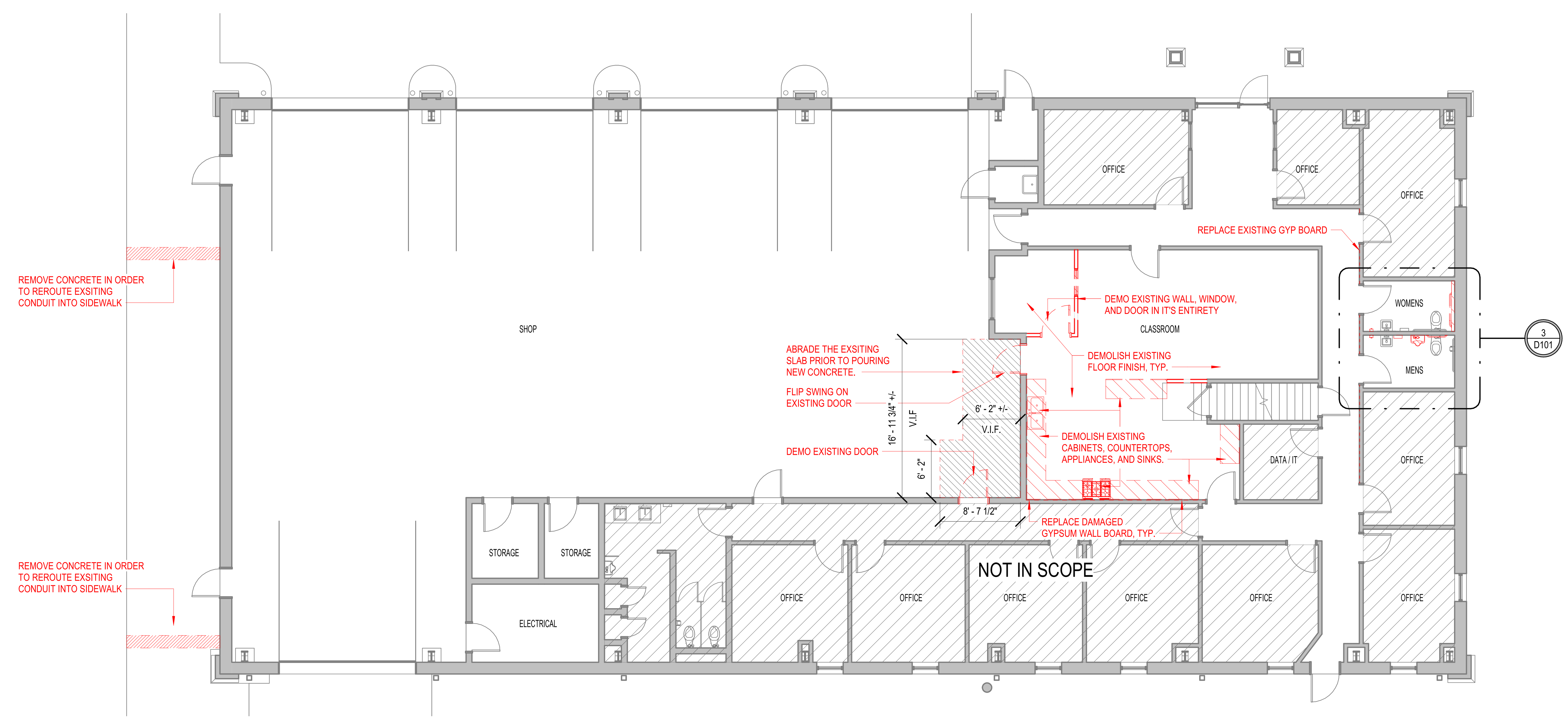
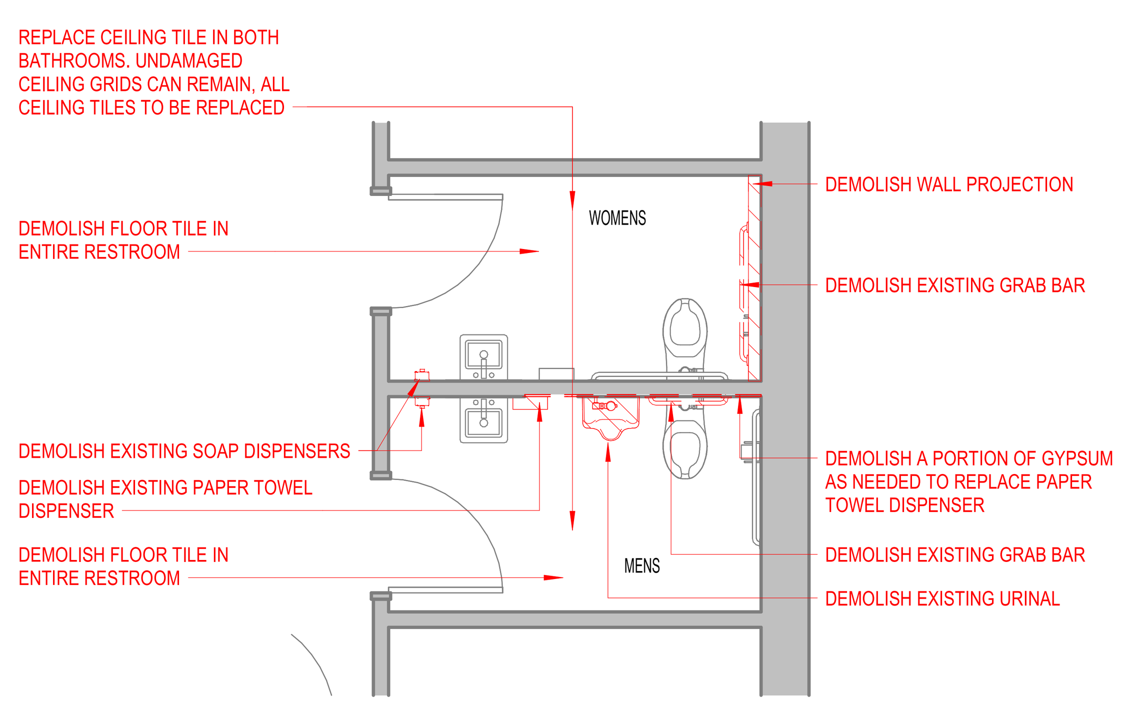


2 DEMO PLAN - MEZZANINE LEVEL
1/8" = 1'-0"



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



3 ENLARGED RESTROOM DEMO PLAN
1/4" = 1'-0"

0' 4' 8' 16' 32'

WBA

PPSD CTE RENOVATION

3603 US-80
PEARL, MS 39208

9/24/2025

CONSTRUCTION DOCUMENTS
WBA # 25-009

REVISIONS

NO.	DESCRIPTION	DATE
2	Addendum 4	10.24.25

D101
DEMO FLOOR PLAN

GENERAL PROJECT NOTES

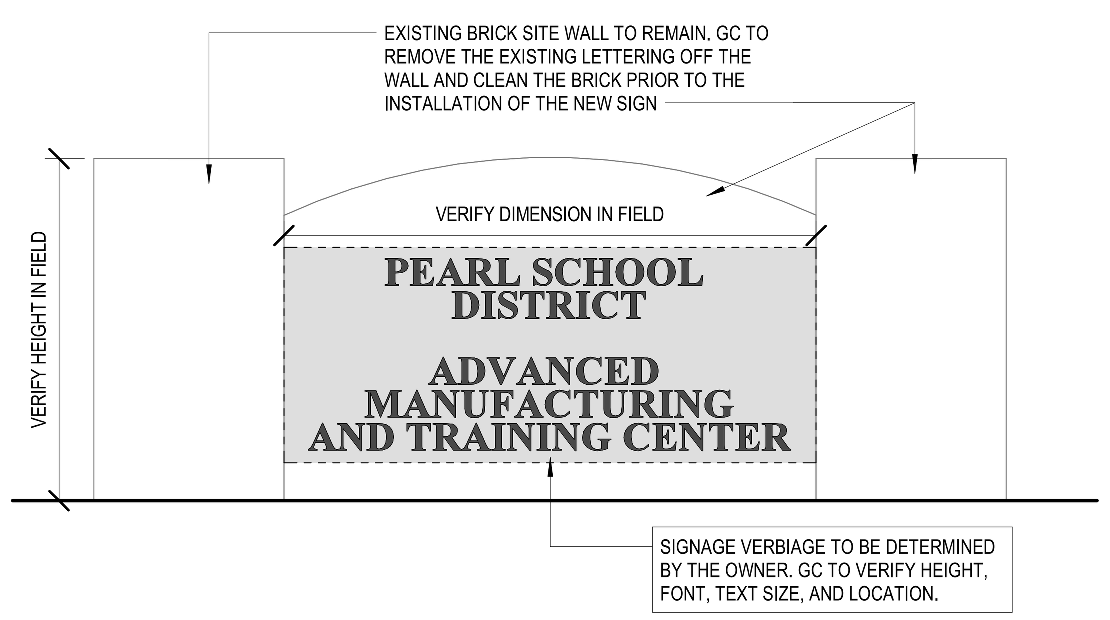
1. GC SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO START OF WORK. ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT.
2. PROTECT ALL EXISTING CONSTRUCTION, FINISHES, UTILITIES, AND SITE FEATURES NOT SCHEDULED FOR DEMOLITION OR MODIFICATION.
3. CAP OR PROPERLY TERMINATED ALL EXISTING UTILITIES MADE INACTIVE BY DEMOLITION.
4. REPAIR AND PAINT ALL EXTERIOR SURFACES TO MATCH ADJACENT EXISTING FINISHES.
5. FINAL CLEANING OF ALL NEW AND EXISTING SURFACES AFFECTED BY CONSTRUCTION SHALL BE PERFORMED PRIOR TO PROJECT COMPLETION.

MASONRY REPAIR NOTES

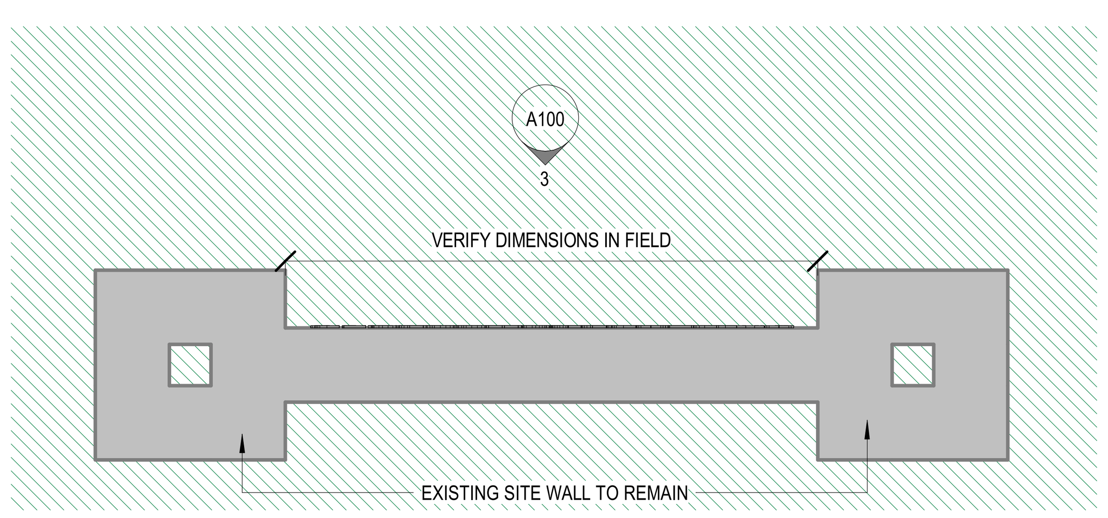
1. EXISTING BRICK SURFACES SHALL BE CLEANED USING NON-ABRASIVE METHODS AND DETERGENTS APPROVED BY THE ARCHITECT.
2. DAMAGED OR DETERIORATED BRICK SHALL BE REMOVED CAREFULLY AND REPLACES WITH NEW BRICK MATCHING EXISTING UNITS IN SIZE, COLOR, TEXTURE, AND MORTAR JOINT PROFILE.
3. REPOINT MORTAR JOINTS AS REQUIRED WITH MORTAR MIX MATCHING THE COLOR, COMPOSITION, AND TOOLING OF EXISTING MORTAR.

EIFS REPAIR NOTES

1. AREAS OF LOOSE, CRACKED, OR DELAMINATED EIFS SHALL BE REPAIRED.
2. EIFS REPAIRS SHALL MATCH EXISTING SYSTEM, COMPOSITION, THICKNESS, TEXTURE, AND FINISH.
3. EIFS REPAIRS SHALL BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, WITH REINFORCING MESH, BASE COAT, AND FINISH COAT TO MATCH EXISTING IN COLOR AND TEXTURE.
4. SEALANT JOINTS AT EIFS TERMINATIONS SHALL BE REPLACED AS REQUIRED WITH COMPATIBLE SEALANT.



3 BUILDING SIGNAGE ELEVATION
3/8" = 1'-0"



2 ENLARGED SIGNAGE PLAN
3/8" = 1'-0"

1 ARCHITECTURAL SITE PLAN
1" = 20'-0"

PPSD CTE RENOVATION

3603 US-80
PEARL, MS 39208

9/24/2025

CONSTRUCTION DOCUMENTS
WBA # 25-009

REVISIONS

NO.	DESCRIPTION	DATE
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A100
SITE PLAN

GENERAL PROJECT NOTES

1. GC SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO START OF WORK. ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT.
2. PROTECT ALL EXISTING CONSTRUCTION, FINISHES, UTILITIES, AND SITE FEATURES NOT SCHEDULED FOR DEMOLITION OR MODIFICATION.
3. CAP OR PROPERLY TERMINATED ALL EXISTING UTILITIES MADE INACTIVE BY DEMOLITION.
4. REPAIR AND PAINT ALL EXTERIOR SURFACES TO MATCH ADJACENT EXISTING FINISHES.
5. FINAL CLEANING OF ALL NEW AND EXISTING SURFACES AFFECTED BY CONSTRUCTION SHALL BE PERFORMED PRIOR TO PROJECT COMPLETION.

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3. REPOINT MORTAR JOINTS AS REQUIRED WITH MORTAR MIX MATCHING THE COLOR, COMPOSITION, AND TOOLING OF EXISTING MORTAR.

EIFS REPAIR NOTES
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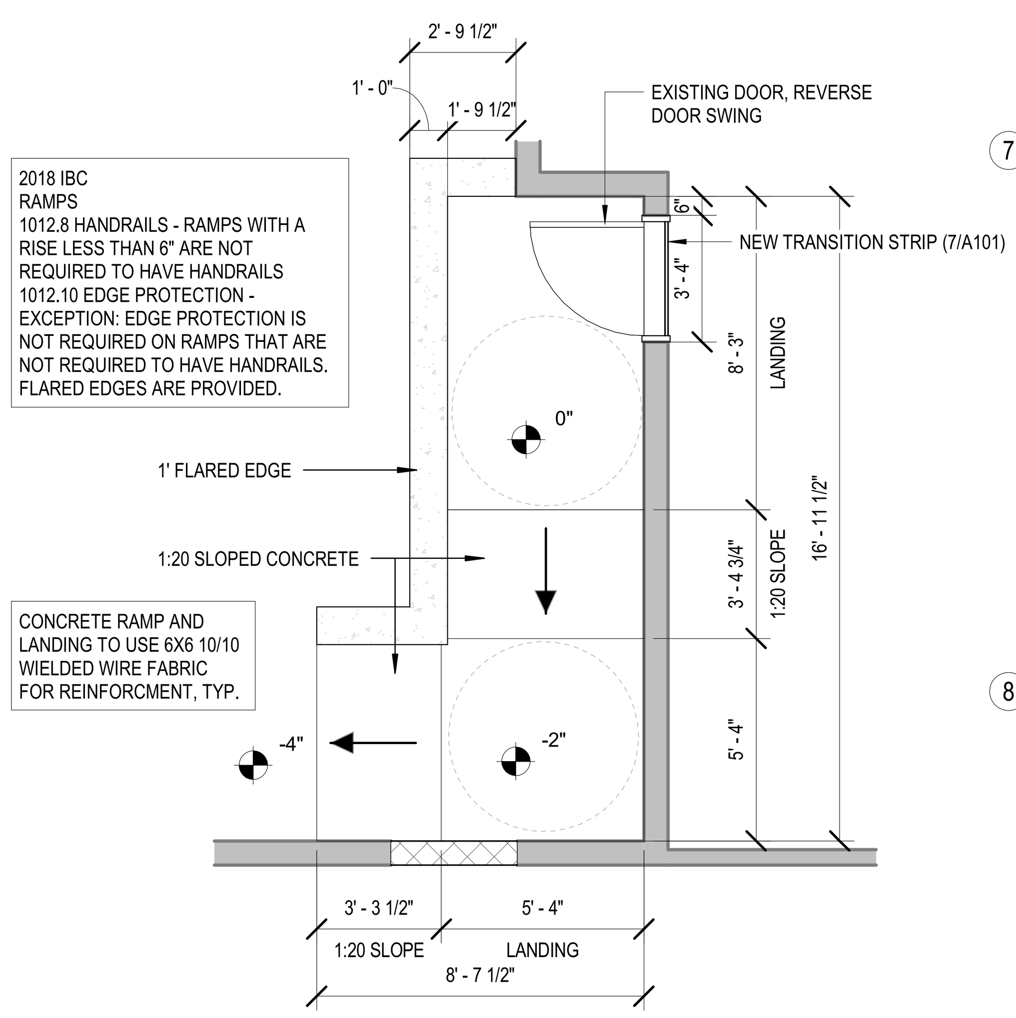
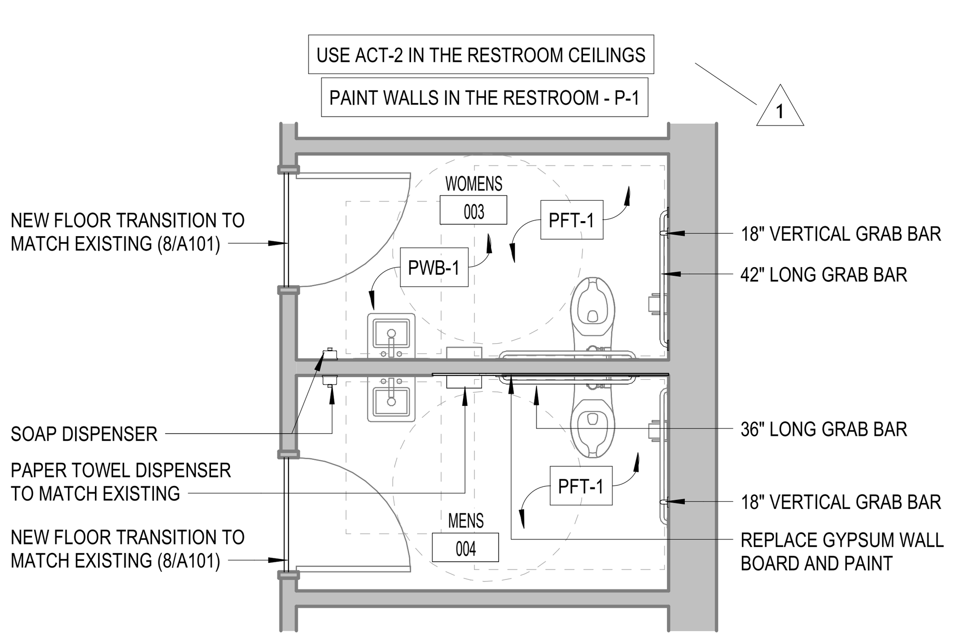
3. EIFS REPAIRS SHALL BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, WITH REINFORCING MESH, BASE COAT, AND FINISH COAT TO MATCH EXISTING IN COLOR AND TEXTURE.
4. SEALANT JOINTS AT EIFS TERMINATIONS SHALL BE REPLACED AS REQUIRED WITH COMPATIBLE SEALANT.

FLOOR PLAN KEYNOTES

A. REPAIR THE LOOSE BRICK CONDITION ABOVE THE DOOR
B. RE-POINT BRICK CRACKS ON THE ENTIRE FACADE WITH MORTAR
C. RE-SET DOOR THRESHOLD AND BRICK AT DOOR SILL TO ALLOW DOOR TO BE OPENED EASILY.
D. RE-POINT BRICK AT ALL STEEL LINTEL BEARING LOCATIONS TO ENSURE THE STEEL LINTELS HAVE PROPER BEARING. (8" MINIMUM ON EACH END)
E. SEAL VERTICAL BRICK CONTROL JOINTS ON THE ENTIRE FACADES WITH BACKER ROD AND SEALANT
F. REPAIR CRACKS IN THE CORNICE ON THE ENTIRE FACADES
G. SEAL ALL SIDEWALK AND PAVING CRACKS AROUND THE BUILDING
H. REPLACE DOOR CLOSER
I. ADD PANIC HARDWARE TO DOOR
J. CLEAN AND PAINT BLOCK WALLS. PAINT WALLS WITH A 3 COAT SYSTEM USING LATEX PAINT, TYP.
K. CLEAN AND PAINT EXPOSED STRUCTURE AND METAL WALL PANELS.
L. REPLACE DAMAGED ACT GRID AND TILES ABOVE WITH SIMILAR ACT SYSTEM.
M. CLEAN AND REMOVE ANY UNWANTED ITEMS, DEBRIS, AND TRASH FROM THE ROOM. VERIFY WITH OWNER ITEMS TO REMAIN
N. CLEAN AND RESEAL EXISTING CONCRETE SLAB.



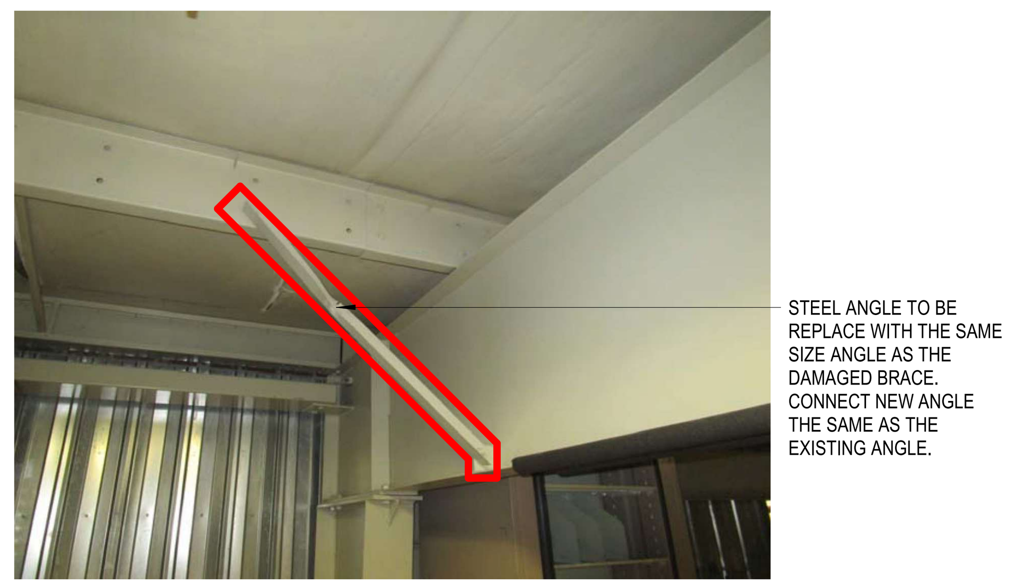
2 ENLARGED RAMP PLAN
1/4" = 1'-0"



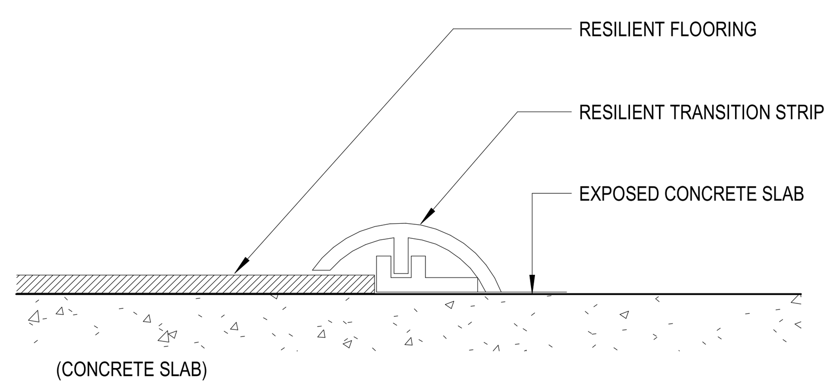
6 ENLARGED RESTROOM PLAN
1/4" = 1'-0"

FINISH SCHEDULE

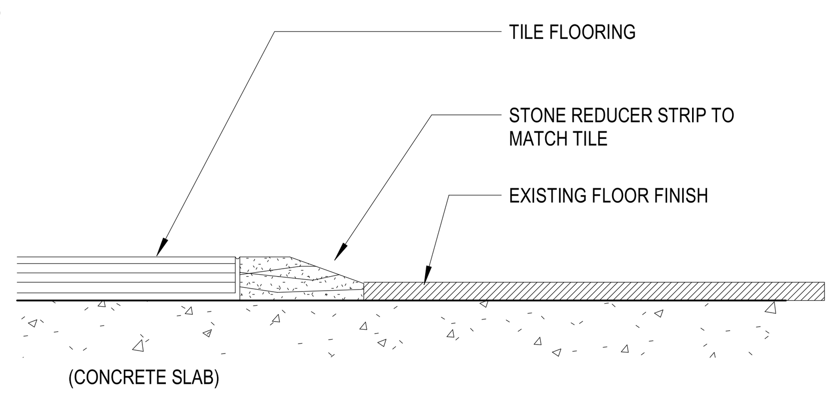
ROOM #	ROOM NAME	FLOOR FIN.	BASE	WALL FIN.	CEILING FIN.
001	SHOP	SC-1	--	P-1	P-1
002	CLASSROOM	LVT-1	RB-1	P-1	ACT-1
003	WOMENS	PFT-1	PWB-1	P-1	ACT-2
004	MENS	PFT-1	PWB-1	P-1	ACT-2
008	MECHANICAL MEZZANINE / STORAGE	ETR	ETR	P-1	ETR
026	CORRIDOR	LVT-1	RB-1	P-1	ACT-1



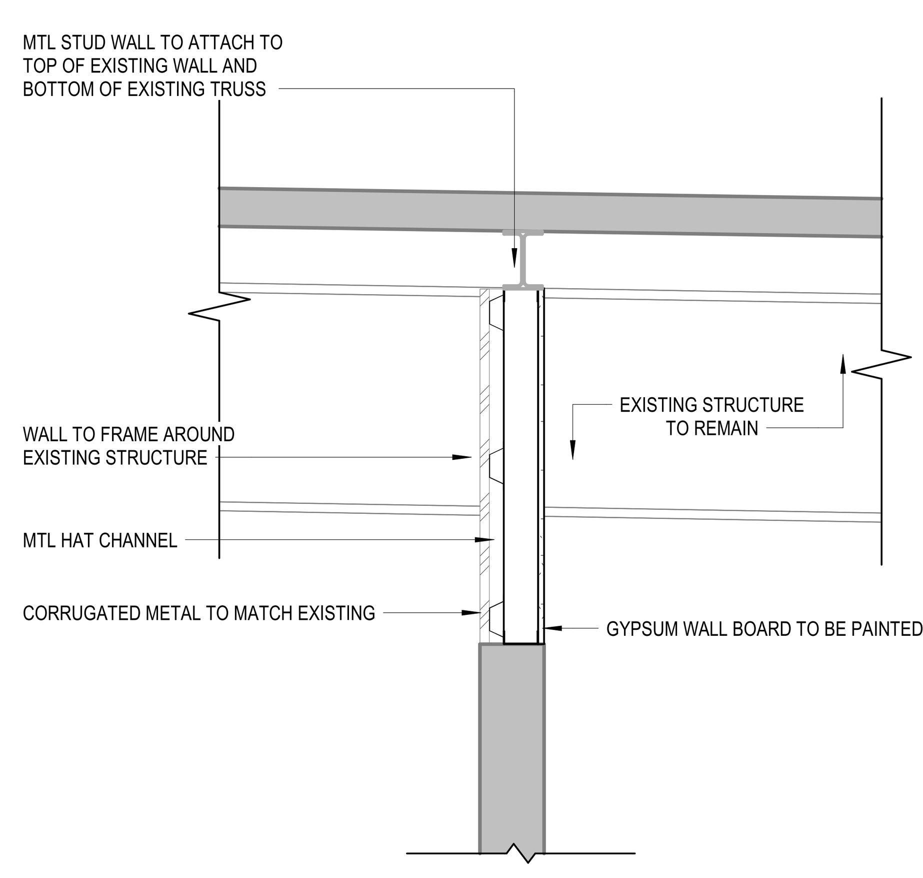
4 STRUCTURAL BRACE REPLACEMENT
1" = 1'-0"



7 RESILIENT FLOOR TILE TO CONCRETE TRANSITION STRIP
12" = 1'-0"



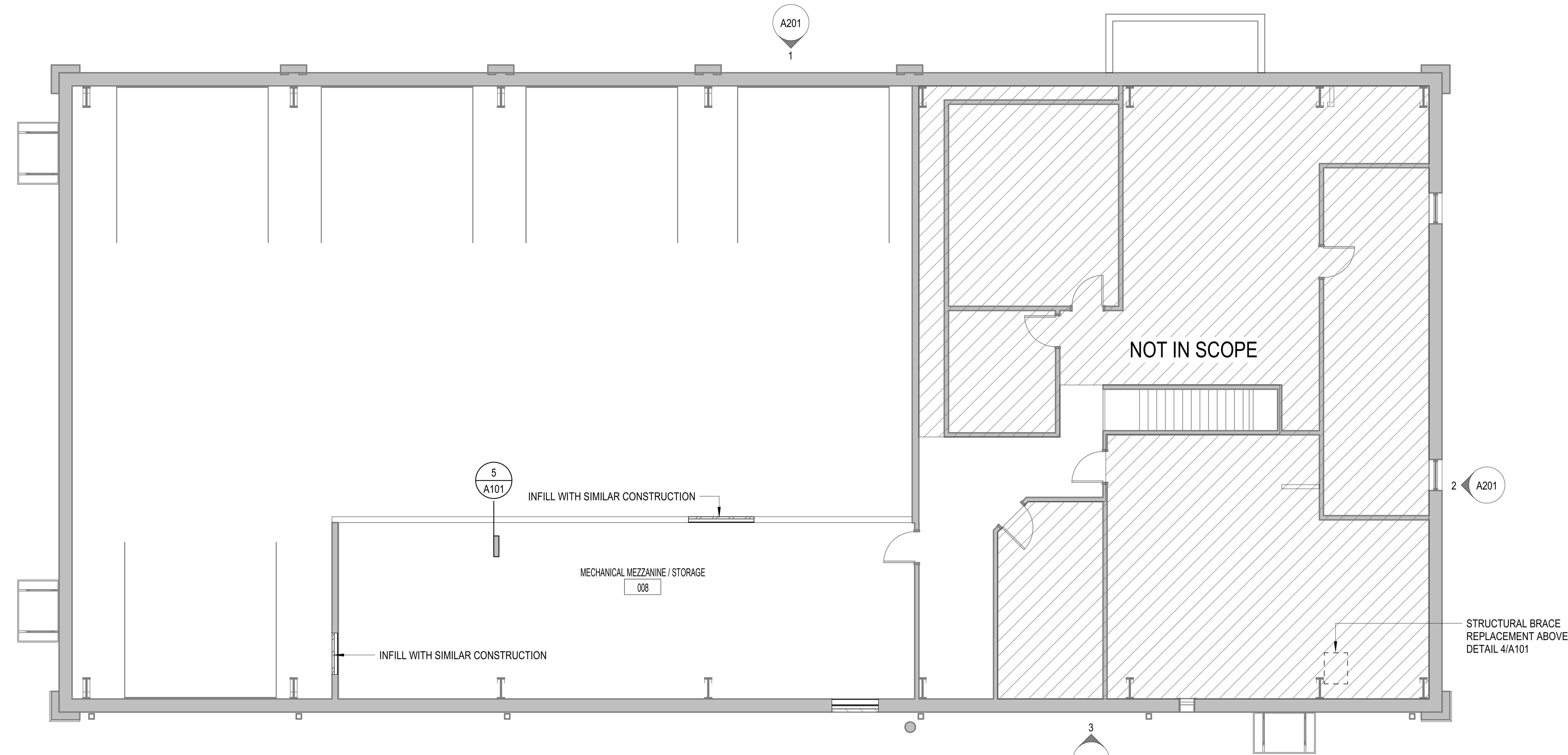
8 FLOOR TILE TO EXISTING RESILIENT FLOOR TILE
12" = 1'-0"



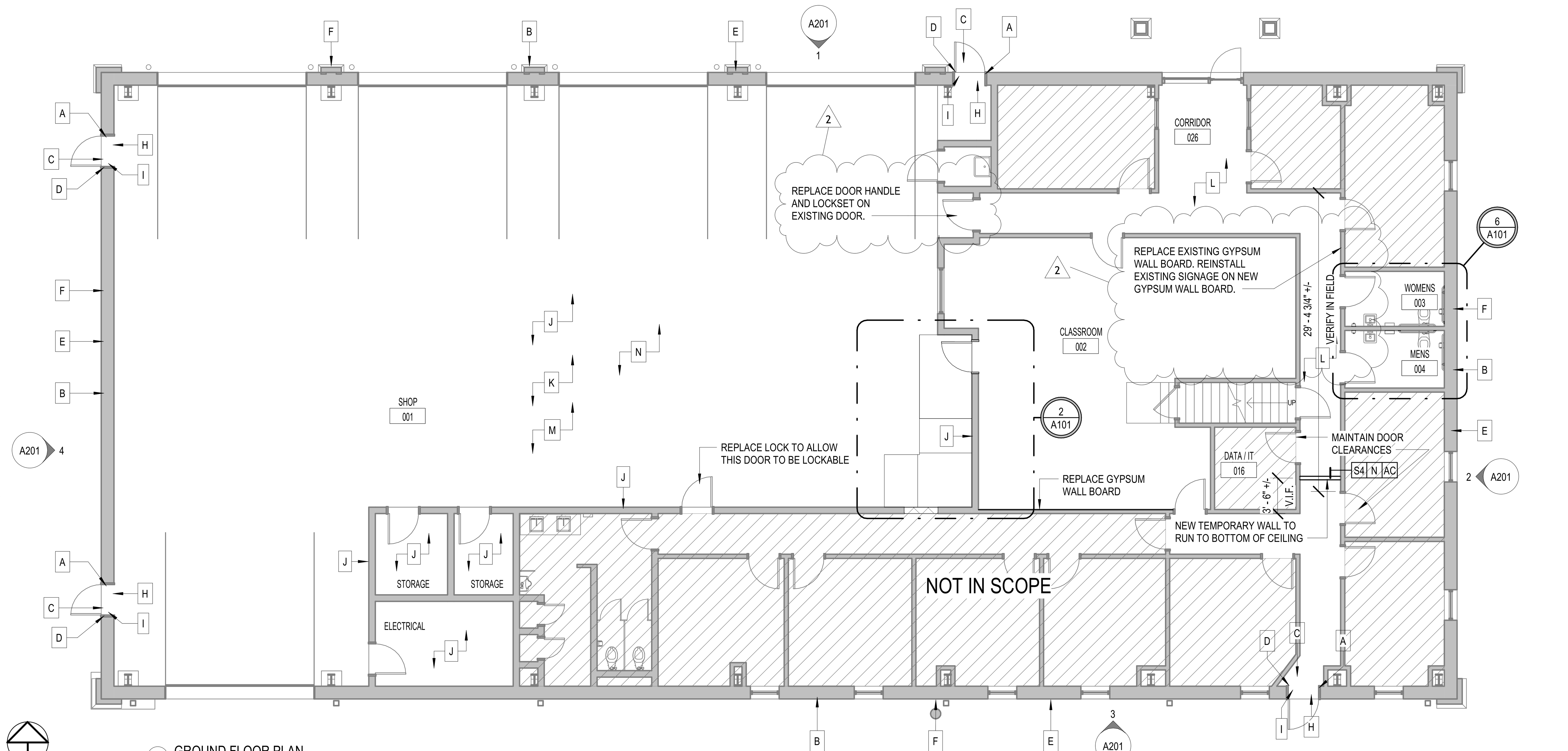
5 PLAN DETAIL 1
3/4" = 1'-0"

0' 4' 8' 16' 32'

FINISH LEGEND								
Category	Finish Code	Finish Type	Manufacturer	Product Name	Color	Finish	Product Size	Installation Method
CEILING FINISH	ACT-1	ACOUS. CLG. TILE	ARMSTRONG	STANDARD	WHITE/FINE		24"X24"	
CEILING FINISH	ACT-2	ACOUS. CLG. TILE	ARMSTRONG	CLEAN ROOM VL	WHITE/FINE		24"X24"	--
FLOOR FINISH	LVT-1	LUXURY VINYL TILE	PATCRAFT	LONGITUDE	HAZE 00513	--	5.6"X47.5"	RUNNING BOND
FLOOR FINISH	PFT-1	PORCELAIN FLOOR TILE	DALTILE	PORTFOLIO VIVID	ELECTRIC BLUE	--	12"X24"	STACK BOND
FLOOR FINISH	SC-1	SEALED CONCRETE	--	--	--	--	--	--
WALL BASE	PWB-1	PORCELAIN WALL BASE - BULLNOSE	DALTILE	PORTFOLIO VIVID	ELECTRIC BLUE	--	3"X12"	--
WALL BASE	RB-1	RUBBER BASE	JONHSONITE	TRADITIONAL DURACOVE THERMOPLASTIC RUBBER	CHARCOAL	--	4"	--
WALL FINISH	P-1	WALL PAINT - LIGHT GREY	SHERWIN WILLIAMS	--	SW7065 ARGOS	EGGSHELL	--	--



3 MEZZANINE LEVEL
1/8" = 1'-0"



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

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3603 US-80
PEARL, MS 39208

9/24/2025

CONSTRUCTION DOCUMENTS
WBA # 25-009

REVISIONS

NO.	DESCRIPTION	DATE
1	Addendum 1	10.09.25
2	Addendum 4	10.24.25

A101
FIRST FLOOR PLAN

RCP LEGEND

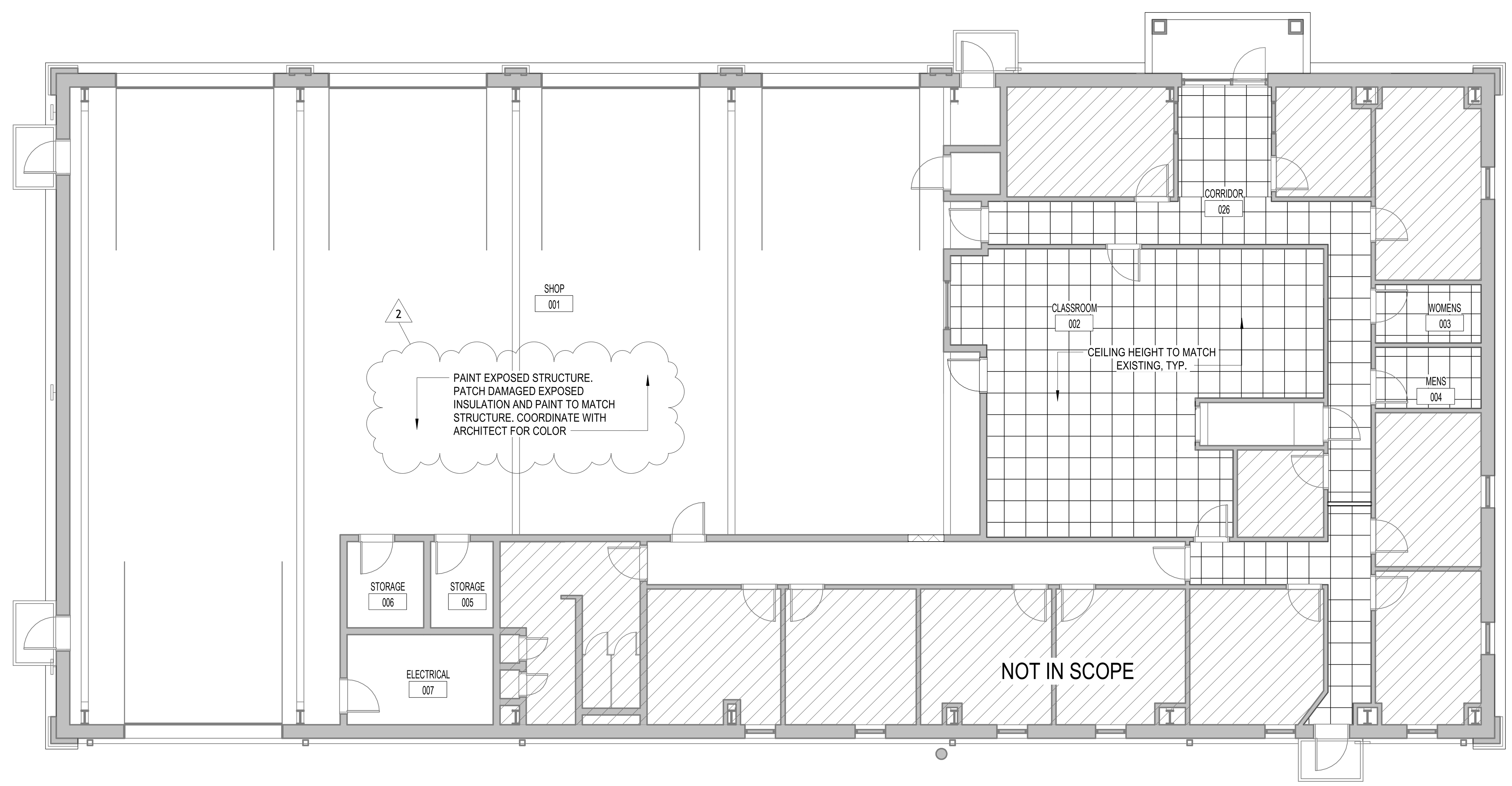
- GYPSUM BOARD CEILING, PAINTED
- ACOUSTICAL CEILING TILE
- EXPOSED STRUCTURE, NO CEILING FINISH

- RECESSED FIXTURE
- SURFACE FIXTURE
- SURFACE MTD. LED FIXTURE
- PENDANT FIXTURE
- PENDANT DOWNLIGHT FIXTURE
- WALL MTD. FIXTURE
- 2X2 RECESSED FIXTURE
- 2X4 RECESSED FIXTURE
- SURFACE MTD. FIXTURE
- STRIP LIGHT FIXTURE
- RECESSED LINEAR SLOTLIGHT
- SURFACE MTD. ADJUSTABLE FIXTURE
- EXIT SIGN
- HVAC SUPPLY REGISTER
- HVAC RETURN REGISTER
- HVAC EXHAUST REGISTER
- CEILING ACCESS PANEL P=PANEL FOR PLUM. M=PANEL FOR MECH.
- CEILING FAN

AVOID USING LESS THAN 1/2 CEILING PANEL DIMENSION AT A.C.T. CEILING PERIMETER

NO

YES



1 GROUND FLOOR RCP
1/8" = 1'-0"

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3603 US-80
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9/24/2025

CONSTRUCTION DOCUMENTS
WBA # 25-009

REVISIONS

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2	Addendum 4	10.24.25

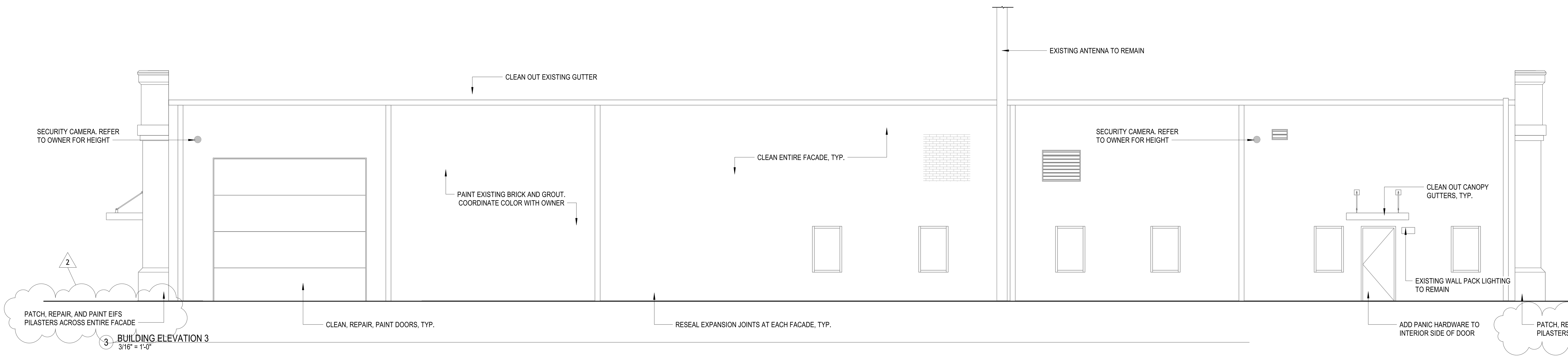
A102
REFELECTED CEILING PLAN

GENERAL PROJECT NOTES

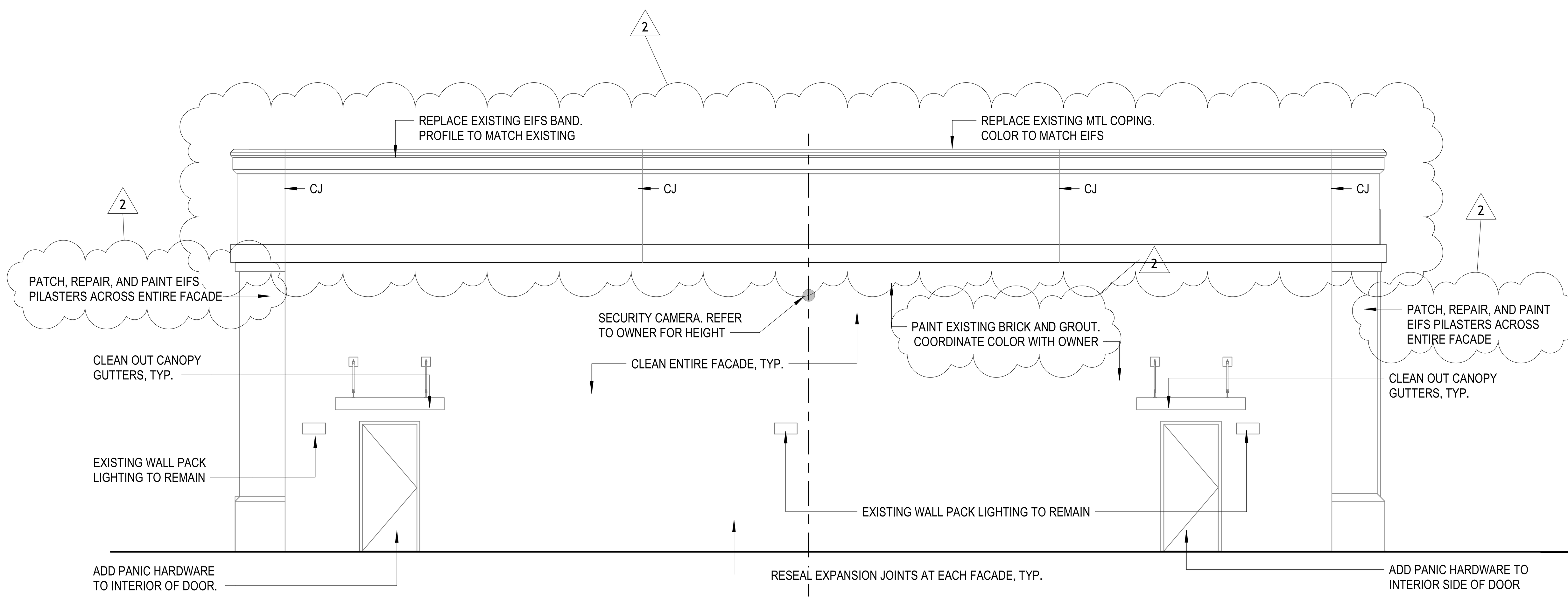
1. GC SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO START OF WORK. ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT.
2. PROTECT ALL EXISTING CONSTRUCTION, FINISHES, UTILITIES, AND SITE FEATURES NOT SCHEDULED FOR DEMOLITION OR MODIFICATION.
3. CAP OR PROPERLY TERMINATED ALL EXISTING UTILITIES MADE INACTIVE BY DEMOLITION.
4. REPAIR AND PAINT ALL EXTERIOR SURFACES TO MATCH ADJACENT EXISTING FINISHES.
5. FINAL CLEANING OF ALL NEW AND EXISTING SURFACES AFFECTED BY CONSTRUCTION SHALL BE PERFORMED PRIOR TO PROJECT COMPLETION.

MASONRY REPAIR NOTES
1. EXISTING BRICK SURFACES SHALL BE CLEANED USING NON-ABRASIVE METHODS AND DETERGENTS APPROVED BY THE ARCHITECT.
2. DAMAGED OR DETERIORATED BRICK SHALL BE REMOVED CAREFULLY AND REPLACES WITH NEW BRICK MATCHING EXISTING UNITS IN SIZE, COLOR, TEXTURE, AND MORTAR JOINT PROFILE.
3. REPOINT MORTAR JOINTS AS REQUIRED WITH MORTAR MIX MATCHING THE COLOR, COMPOSITION, AND TOOLING OF EXISTING MORTAR.

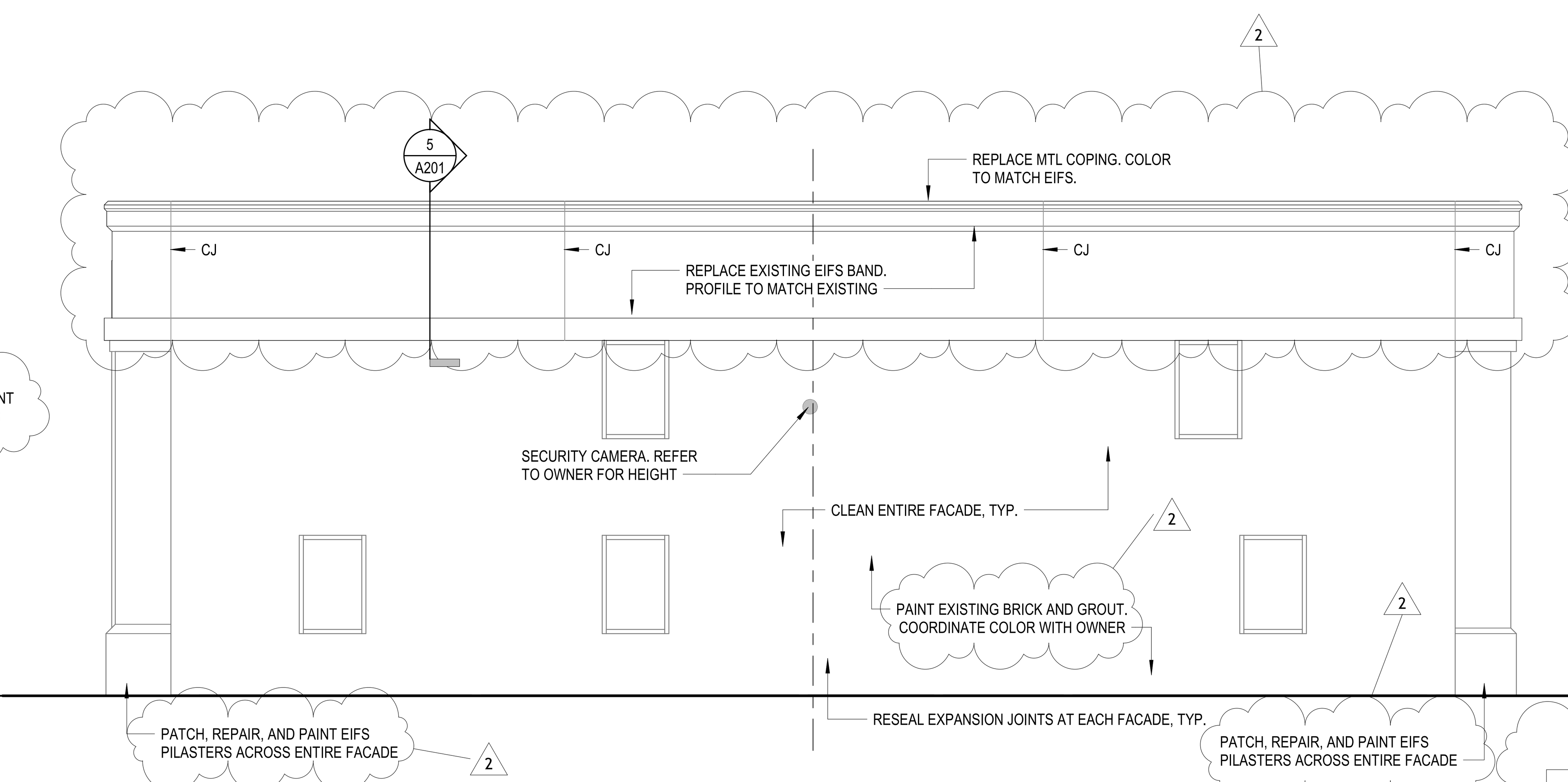
EIFS REPAIR NOTES
1. AREAS OF LOOSE, CRACKED, OR DELAMINATED EIFS SHALL BE REPAIRED.
2. EIFS REPAIRS SHALL MATCH EXISTING SYSTEM, COMPOSITION, THICKNESS, TEXTURE, AND FINISH.
3. EIFS REPAIRS SHALL BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, WITH REINFORCING MESH, BASE COAT, AND FINISH COAT TO MATCH EXISTING IN COLOR AND TEXTURE.
4. SEALANT JOINTS AT EIFS TERMINATIONS SHALL BE REPLACED AS REQUIRED WITH COMPATIBLE SEALANT.



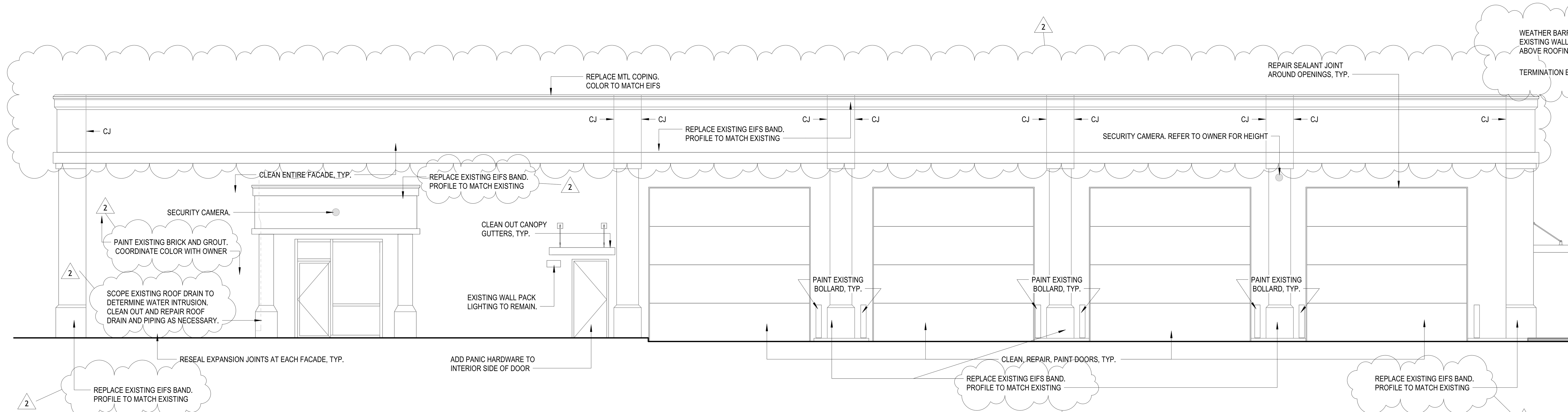
3 BUILDING ELEVATION 3
3/16" = 1'-0"



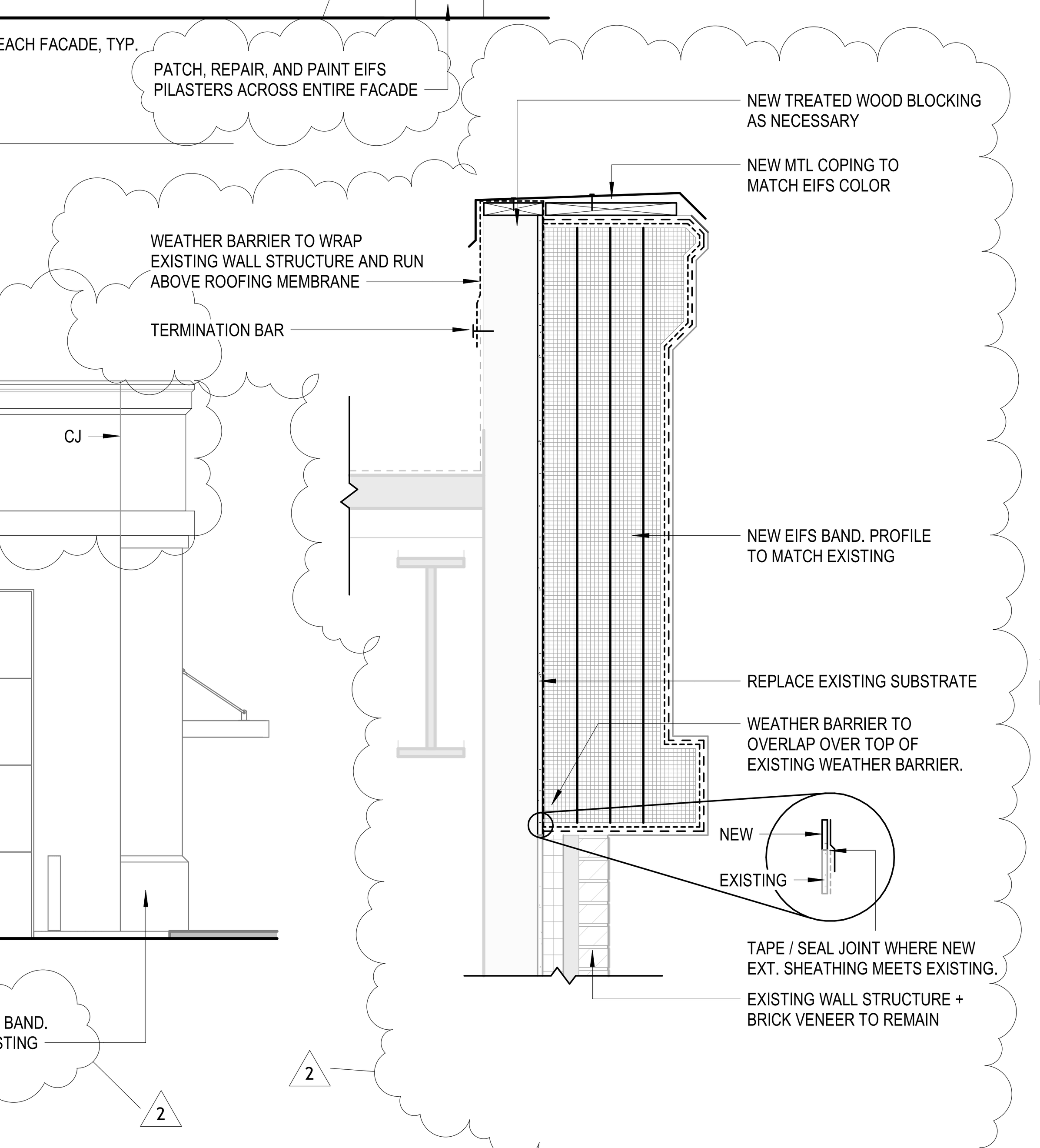
4 BUILDING ELEVATION 4
3/16" = 1'-0"



2 BUILDING ELEVATION 2
3/16" = 1'-0"



1 BUILDING ELEVATION 1
3/16" = 1'-0"



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PPSD CTE RENOVATION

3603 US-80
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9/24/2025

CONSTRUCTION DOCUMENTS
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A201
EXTERIOR ELEVATIONS

SPECIFICATIONS - PLUMBING

SUBMITTALS:
REFER TO ARCHITECTURAL SPECIFICATIONS FOR SUBMITTAL PROCEDURES. PROVIDE SUBMITTALS FOR THE FOLLOWING:
A. PIPE, VALVES AND FITTINGS
B. WATER HEATER

CLOSE-OUT DOCUMENTS:
REFER TO ARCHITECTURAL SPECIFICATIONS FOR CLOSE-OUT PROCEDURES. PROVIDE CLOSE-OUT DOCUMENTATION FOR THE FOLLOWING:
A. AS BUILT-DRAWINGS
B. O&M MANUALS OF PLUMBING FIXTURES, ETC.

OWNER OPERATING & MAINTENANCE MANUALS AND INSTRUCTIONS:
A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SETUP AND TRAIN THE OWNER'S PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF ALL MECHANICAL EQUIPMENT PROVIDED AND/OR INSTALLED WITH THIS PROJECT. THE SAFE OPERATION OF ALL PLUMBING AND SYSTEMS SHALL BE ADEQUATELY CONVEYED TO PERTINENT OWNER PERSONNEL, ALONG WITH INSTRUCTIONS ON WHAT IS OWNER'S RESPONSIBILITY, AND WHOM TO CONTACT FOR STANDARD ONE (1) YEAR WARRANTY, AND AFTERWARDS FOR EXTENDED WARRANTIES. SAME INFORMATION SHALL BE INCLUDED IN O&M MANUALS.

B. SUBMIT TWO(2) COMPLETE SETS OF HARDBOUND BROCHURES, INDEXED, AND LABELED FOR EACH PIECE OF EQUIPMENT. THE MANUALS SHALL BE TRANSMITTED TO THE OWNER AT THE COMPLETION OF THE PROJECT.

C. INCLUDE IN THESE BROCHURES WRITTEN SUBMITTAL DATA, MANUFACTURER'S OPERATING AND MAINTENANCE PROCEDURES AND RECOMMENDATIONS, SPARE PARTS LISTS AND SUPPLIERS AND ANY INTERLOCKING CONTROL OR WIRING DIAGRAMS FOR ALL EQUIPMENT. THE INFORMATION LISTED HEREIN IS TO BE BOUND IN THE FOLLOWING ORDER:
COVER TO LIST PROJECT NAME, LOCATION, AND DATE COMPLETED.
   1. FIRST SHEET TO LIST ARCHITECT, ENGINEER, CONTRACTOR AND SUBCONTRACTORS WITH ADDRESSES FOR EACH.
   2. SECOND SHEET TO LIST TYPE OF EQUIPMENT WITH SEQUENTIAL NUMBER, THE MANUFACTURER, MAKE, MODEL, AND SERIAL NUMBER OF THE ACTUAL EQUIPMENT NAMEPLATE DATA RATED HORSEPOWER, FULL LOAD RATED AMPS, VOLTAGE AND PHASE. INCLUDE PERTINENT CONTACT INFORMATION ON STANDARD ONE YEAR WARRANTY AND EXTENDED WARRANTY WORK.
   3. NEXT, ACTUAL COPY OF APPROVED SUBMITTAL DATA INCLUDING ALL MANUFACTURER'S PUBLISHED INFORMATION ON CAPACITIES, CAPACITY CURVES OR TABLES, ACCESSORY AND CONTROL ITEM LISTS, AND OTHER PERTINENT INFORMATION AS REQUESTED BY ENGINEER. CROSS REFERENCE ALL EQUIPMENT TO CONTRACT DOCUMENTS.

AS-BUILT DRAWINGS (PROJECT RECORD DOCUMENTS:
A. MAINTAIN AT JOB SITE A SET OF CONTRACT RECORD DOCUMENTS KEPT CURRENT BY INDICATING THEREON ALL CHANGES, SUBSTITUTIONS, ETC., BETWEEN WORK AS SPECIFIED AND AS INSTALLED, IN RED INK.

B. AT THE COMPLETION OF THE PROJECT, FURNISH THE OWNER TWO(2) SETS OF BLUELINES SHOWING INSTALLED LOCATION, SIZE, ETC., OF ALL WORK AND MATERIAL AS TAKEN FROM RECORD DOCUMENTS. ALL AS-BUILT (ON RECORD) DRAWINGS SHALL BE LABELED "AS-BUILT DRAWINGS", DATED AND CERTIFIED AS ACCURATE BY MECHANICAL CONTRACTOR WITH HIS SIGNATURE, ON FRONT PAGE OF ALL DRAWING BLUELINE SETS AND SPECIFICATIONS.

PLUMBING IDENTIFICATION:
A. NEW OR EXISTING POTABLE WATER AND GAS PIPING THROUGHOUT SPACE SHALL BE NEWLY IDENTIFIED WITH MANUFACTURED SELF ADHESIVE LABELING, WITH ANSI APPROVED COLORED BACKGROUND. LETTERING SHALL BE MINIMUM 1/2" TALL ON PIPING 1" SIZE AND SMALLER, AND 1" TALL ON LARGER PIPING. PROVIDE LABELING THROUGHOUT ON MINIMUM 10' CENTERS. PROVIDE LABELING AFTER FINAL PAINTING OF UTILITIES HAS BEEN APPROVED BY ARCHITECT. LABELING SHALL BE AS SETON OR BRADLEY.

VALVES:
A. VALVES FOR NATURAL GAS APPLICATION
   1. PLUG VALVES (FOR SIZES 1¼" AND LARGER, AND AT MAIN SERVICE VALVES):
      a. VALVES SHALL BE IRON BODY (SEMI STEEL) LUBRICATED, BOLTED GLAD TYPE WITH TEFLON COATED PLUG. FLANGE UNIT FOR INSTALLATION BETWEEN 150# ASA STEEL FLAT-FACED SLIP ON WELD FLANGES. ALL VALVES SHALL BE WRENCH OPERATED AND WRENCH SHALL BE FURNISHED WITH EACH SIZE VALVE. EACH PLUG VALVE SHALL BE SERVICED WITH THE SILICONE SEALANT/LUBRICANT RECOMMENDED BY THE VALVE MANUFACTURER. VALVES 2" AND SMALLER SHALL BE SHORT PATTERN TYPE WITH THREADED END CONNECTIONS. VALVES SHALL BE RATED AT 175# WOG.

   2. BALL VALVES (FOR SIZES 1" AND SMALLER)
      a. VALVES SHALL BE ONE QUARTER TURN SHUT-OFF, LISTED FOR GAS SERVICE, BRONZE CONSTRUCTION, CSA B16.44 5 PSIG RATED, UL 842 5 PSIG RATED AND ANSI Z21.15 ½ PSIG RATED.

PIPE TESTING:
A. THE CONTRACTOR'S SUPERINTENDENT SHALL BE RESPONSIBLE FOR ADMINISTERING AND WITNESSING ALL TESTS, LOG IT FOR PERMANENT RECORD AND TRANSMIT TO ARCHITECT AT COMPLETION OF PROJECT. THE CONTRACTOR'S SUPERINTENDENT SHALL KEEP THIS LOG ON-GOING LOG ON JOBSITE AND SHALL INCLUDE THE FOLLOWING:
   1. DATE OF TEST
   2. PIPING DESCRIPTION (EX: "SANITARY SEWER")
   3. LOCATION
   4. RESULTS (EX: "HELD 30 PSIG FOR EIGHT HOURS WITHOUT LEAKAGE", ETC.)
B. PIPE TEST LOGS SHALL BE RECORDED FOR THE FOLLOWING;
   1. NATURAL GAS PIPING (NEW AND EXISTING PIPING)
C. REFER TO PIPE TEST LOG ON SCHEDULE SHEET FOR DOCUMENTATION BY CONTRACTOR.

SYSTEM CLEANING, TREATMENT AND PROTECTION:
A. POTABLE WATER SYSTEM: ALL NEW POTABLE WATER LINES SHALL BE THOROUGHLY FLUSHED AND STERILIZED WITH A SOLUTION CONTAINING NOT LESS THAN 50 PPM AVAILABLE CHLORINE FOR EIGHT (8) HOURS. DURING STERILIZATION, OPERATE ALL VALVES, FAUCETS, ETC., SO THAT ALL PORTIONS OF THE SYSTEM ARE REACHED. FLUSH SYSTEM WITH CLEAR WATER UNTIL CONCENTRATION DROPS TO 0.5 PPM. CONTRACTOR SHALL FURNISH SAMPLE TO STATE HEALTH DEPARTMENT ATTESTING TO SATISFACTORY CONDITION OF WATER. SUBMIT COPY OF TEST REPORTS TO ARCHITECT NEAR END OF PROJECT AND PRIOR TO OWNER'S USE OF POTABLE WATER DISTRIBUTION SYSTEM.

SPECIFICATIONS - MECHANICAL

SUBMITTALS:
REFER TO ARCHITECTURAL SPECIFICATIONS FOR SUBMITTAL PROCEDURES. PROVIDE SUBMITTALS FOR THE FOLLOWING:
A. HVAC EQUIPMENT AND CONTROLS
B. FABRIC DUCT

CLOSE-OUT DOCUMENTS:
REFER TO ARCHITECTURAL SPECIFICATIONS FOR CLOSE-OUT PROCEDURES. PROVIDE CLOSE-OUT DOCUMENTATION FOR THE FOLLOWING:
A. TAB REPORT
B. AS BUILT-DRAWINGS
C. O&M MANUALS OF HVAC EQUIPMENT, CONTROLS, ETC. NEW AND AS-BUILT DRAWINGS.

OWNER OPERATING & MAINTENANCE MANUALS AND INSTRUCTIONS:
A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SETUP AND TRAIN THE OWNER'S PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF ALL MECHANICAL EQUIPMENT PROVIDED AND/OR INSTALLED WITH THIS PROJECT. THE SAFE OPERATION OF ALL MECHANICAL AND SYSTEMS SHALL BE ADEQUATELY CONVEYED TO PERTINENT OWNER PERSONNEL, ALONG WITH INSTRUCTIONS ON WHAT IS OWNER'S RESPONSIBILITY, AND WHOM TO CONTACT FOR STANDARD ONE (1) YEAR WARRANTY, AND AFTERWARDS FOR EXTENDED WARRANTIES. SAME INFORMATION SHALL BE INCLUDED IN O&M MANUALS.

B. SUBMIT TWO(2) COMPLETE SETS OF HARDBOUND BROCHURES, INDEXED, AND LABELED FOR EACH PIECE OF EQUIPMENT. THE MANUALS SHALL BE TRANSMITTED TO THE OWNER AT THE COMPLETION OF THE PROJECT.

C. INCLUDE IN THESE BROCHURES WRITTEN SUBMITTAL DATA, MANUFACTURER'S OPERATING AND MAINTENANCE PROCEDURES AND RECOMMENDATIONS, SPARE PARTS LISTS AND SUPPLIERS AND ANY INTERLOCKING CONTROL OR WIRING DIAGRAMS FOR ALL EQUIPMENT. THE INFORMATION LISTED HEREIN IS TO BE BOUND IN THE FOLLOWING ORDER:
COVER TO LIST PROJECT NAME, LOCATION, AND DATE COMPLETED.
   1. FIRST SHEET TO LIST ARCHITECT, ENGINEER, CONTRACTOR AND SUBCONTRACTORS WITH ADDRESSES FOR EACH.
   2. SECOND SHEET TO LIST TYPE OF EQUIPMENT WITH SEQUENTIAL NUMBER, THE MANUFACTURER, MAKE, MODEL, AND SERIAL NUMBER OF THE ACTUAL EQUIPMENT NAMEPLATE DATA RATED HORSEPOWER, FULL LOAD RATED AMPS, VOLTAGE AND PHASE. INCLUDE PERTINENT CONTACT INFORMATION ON STANDARD ONE YEAR WARRANTY AND EXTENDED WARRANTY WORK.
   3. NEXT, ACTUAL COPY OF APPROVED SUBMITTAL DATA INCLUDING ALL MANUFACTURER'S PUBLISHED INFORMATION ON CAPACITIES, CAPACITY CURVES OR TABLES, ACCESSORY AND CONTROL ITEM LISTS, AND OTHER PERTINENT INFORMATION AS REQUESTED BY ENGINEER. CROSS REFERENCE ALL EQUIPMENT TO CONTRACT DOCUMENTS.

AS-BUILT DRAWINGS (PROJECT RECORD DOCUMENTS:
A. MAINTAIN AT JOB SITE A SET OF CONTRACT RECORD DOCUMENTS KEPT CURRENT BY INDICATING THEREON ALL CHANGES, SUBSTITUTIONS, ETC., BETWEEN WORK AS SPECIFIED AND AS INSTALLED, IN RED INK.

B. AT THE COMPLETION OF THE PROJECT, FURNISH THE OWNER TWO(2) SETS OF BLUELINES SHOWING INSTALLED LOCATION, SIZE, ETC., OF ALL WORK AND MATERIAL AS TAKEN FROM RECORD DOCUMENTS. ALL AS-BUILT (ON RECORD) DRAWINGS SHALL BE LABELED "AS-BUILT DRAWINGS", DATED AND CERTIFIED AS ACCURATE BY MECHANICAL CONTRACTOR WITH HIS SIGNATURE, ON FRONT PAGE OF ALL DRAWING BLUELINE SETS AND SPECIFICATIONS.

MECHANICAL IDENTIFICATION:
A. HVAC EQUIPMENT SENSOR/CONTROLLERS SHALL BE NEWLY IDENTIFIED WITH NEAT PHENOLIC LABELS, COLOR(S) BY ARCHITECT. IDENTIFY SYSTEM SERVED.

HVAC EQUIPMENT AND CONTROLS:
A. HVAC EQUIPMENT AND CONTROLS SHALL BE CONTRACTOR PROVIDED AND INSTALLED.

B. ALL CONTROL WIRING SHALL BE RUN WITHIN APPROVED RACEWAY AS FOLLOWS: METALLIC RIGID RACEWAY REQUIRED INDOORS IN CONCEALED SPACES WITHIN WALLS AND ABOVE HARD CEILINGS; LIQUIDTITE WEATHERPROOF FLEXIBLE CONNECT TO EQUIPMENT REQUIRED OUTDOORS. EXISTING CONTROL WIRING MAY BE UTILIZED IF FOUND IN GOOD CONDITION; OTHERWISE, NEW CONTROL WIRING SHALL BE PLENUM RATED. SHEATHING REQUIRED ON ALL CONTROL WIRING RAN OUTSIDE RACEWAY. PROVIDE TWO (2) SPARE CONDUCTORS ON ALL INSTALLATIONS. WIRING MAY BE ROUTED OUTSIDE RACEWAY ONLY WHERE CONCEALED ABOVE AN ACCESSIBLE CEILING.

TESTING, ADJUSTING AND BALANCING (TAB)
GENERAL:
A. ALL TAB SHALL BE PERFORMED BY A QUALIFIED TAB VENDOR WHO IS A CERTIFIED MEMBER OF AABC, NEBB, OR AS APPROVED BY ENGINEER-OF-RECORD.

B. COORDINATE TAB PROCEDURES WITH ANY PHASED CONSTRUCTION REQUIREMENTS FOR THE PROJECT SO THAT USABLE INCREMENTS OF FINISHED WORK MAY BE ACCEPTED FOR BENEFICIAL OCCUPANCY.

C. CONDUCT FINAL TAB AFTER SYSTEM MODIFICATIONS HAVE BEEN COMPLETED AND SYSTEM IS IN FULL WORKING ORDER. PUT ALL HVAC SYSTEMS INTO FULL OPERATION AND CONTINUE OPERATION OF THE SYSTEMS DURING EACH WORKING DAY OF TAB.

AIR BALANCE:
A. BALANCE SYSTEMS TO DESIGN RATINGS. ADJUST FAN SPEEDS TO AND/OR DUCT BRANCH DAMPERS, PROVIDE DESIGN FLOWS, INCLUDING SYSTEM DIVERSITIES, AT ACTUAL SYSTEM PRESSURES. BELT DRIVES, INCLUDING SHEAVES, BELTS, ETC. SHALL BE ADJUSTED AND/OR REPLACED AS REQUIRED TO SAFELY OBTAIN SPECIFIED PERFORMANCE. SUPPLY AIR FOR HEATING AND COOLING FUNCTIONS SHALL BE WITHIN ±5% OF SPECIFIED AIRFLOW.

TAB AND REPORT DATA REQUIRED:
A. PROFESSIONAL APPROVED INDEPENDENT TAB AGENCY SHALL FURNISH ALL LABOR AND MATERIALS TO BALANCE THE FOLLOWING NEW AND/OR MODIFIED EQUIPMENT AND SYSTEMS: THE FOLLOWING MINIMUM INFORMATION SHALL BE PROVIDED.

B. SELF-CONTAINED PACKAGED UNITS: ON SYSTEMS SCHEDULED TO HAVE MULTIPLE STAGES OF HEATING AND/OR COOLING CAPACITY, OR CFM REQUIREMENTS, PROVIDE THE INFORMATION FOR TEMPERATURES AND/OR AIRFLOW TO INDICATE SAME FOR EACH OPERATING CONDITION (SINGLE AND MULTI-STAGE).
   1. TOTAL S/A CFM -
   2. R/A CFM -
   3. O/A CFM(MIN./MAX.) -
   4. R/A E.A.T. DB/WB (COOLING) -
   5. O/A E.A.T. DB/WB (COOLING) -
   6. S/A L.A.T. DB/WB (COOLING) -
   7. R/A E.A.T. DB/WB (HEATING) -
   8. O/A E.A.T. DB/WB (HEATING) -
   9. S/A L.A.T. DB/WB (HEATING) -
   10. FAN MOTOR VOLTAGE -
   11. MOTOR HORSEPOWER -
   12. FAN MOTOR AMPERAGE AT 100% CAPACITY -
   13. EXTERNAL STATIC PRESSURE -
   14. SIZE, TYPE, EFFICIENCY AND RELATIVE CONDITION OF ALL AIR FILTERS -
   15. VOLTAGE -
   16. F.L.A. -
   17. OUTDOOR AMBIENT (ºF) -

C. BALANCE ALL S.A., E.A. AND O.A. AIR DISTRIBUTION DEVICES TO WITHIN 10% OF SPECIFIED C.F.M., YET MAIN AREA PRESSURIZATION AND DIFFERENTIALS, AND PROPORTION TO ORIGINAL CFM, IN ALL AREAS.

D. MARK ALL FLOW C.F.M., ETC. ON AN 1/8" PER FOOT SCALE SET OF WORKING DRAWINGS AND SUBMIT TO PROFESSIONAL WITH TAB REPORT PRIOR TO COMPLETION OF WORK.

E. SUBMIT THE TEST AND BALANCE REPORT AS INDICATED ABOVE, ALONG WITH THE WORKING DRAWING TO PROFESSIONAL FOR APPROVAL PRIOR TO COMPLETION AND SUBSTANTIAL COMPLETION INSPECTION TO JOB.

F. CERTIFICATION: TEST FUNCTION OF OPERATION OF ALL HVAC AND DOMESTIC WATER CONTROLS AND SYSTEMS. CHECK ALL SAFETY AND OPERATING CONTROLS FOR PROPER OPERATION AND SEQUENCE AND REPORT ANY DEFICIENCIES. TAB AGENCY SHALL PROVIDE THE FOLLOWING WRITTEN CERTIFICATION WITHIN THE FINAL TAB REPORT:

"THE TESTING, ADJUSTING AND BALANCING (TAB) AGENCY CERTIFIES THAT THE HVAC AIR AND PLUMBING WATER SYSTEMS AND CONTROLS HAVE HAD A FULL RANGE OF TESTS AND CHECKS CARRIED OUT BY THE TAB AGENCY, TO DETERMINE IF ALL COMPONENTS, SUB-SYSTEMS, SYSTEMS AND INTERFACES BETWEEN SYSTEMS OPERATE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THIS INCLUDES ALL MODES AND SEQUENCES OF CONTROL OPERATION, INTERLOCKS AND CONDITIONAL AND SPECIFIED CONTROL RESPONSES TO ABNORMAL, SAFETY AND EMERGENCY CONDITIONS."

G. TOTAL UNIT SUPPLY AND VENTILATION (O/A) AIR SHALL BE WITHIN 5% OF SPECIFIED AIRFLOW (CFM).

H. VERIFY THAT DEHUMIDIFICATION CONTROLS ARE SET TO MAINTAIN MAXIMUM 60% RH.

GENERAL HVAC NOTES:

1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT THE SPECIFIED HVAC SYSTEM BE PROVIDED COMPLETE WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS AND COMPLETELY COORDINATED WITH ALL OTHER CRAFTS AND DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE IN STRICT CONFORMANCE. ANY ADDITIONAL MATERIALS AND/OR LABOR REQUIRED TO CONFORM WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS, SHALL BE PROVIDED COMPLETE AND WITHOUT ADDITIONAL COST TO THE CONTRACT.

2. COORDINATE LOCATION OF ALL OUTDOOR AIR INTAKES FOR HVAC SYSTEMS AND MAINTAIN MINIMUM 15'-0" DISTANCE TO FLUES, VENTS, EXHAUST/FANS, ETC.

3. DUCTWORK AND OTHER MECHANICAL OPENINGS THROUGH MASONRY WALLS SHALL BE REINFORCED/SUPPORTED AS DETAILED ON STRUCTURAL DRAWINGS. COORDINATE THE LOCATIONS AND SIZES OF THESE PENETRATIONS MAKING ALLOWANCES FOR INSULATION, FIRE DAMPERS, PIPING SLEEVES, ETC.

4. DUCTWORK EXPOSED OUTSIDE (TO WEATHER) SHALL BE COMPREHENSIVELY SEALED AIRTIGHT, INCLUDING ALL CONNECTIONS AND CIRCUMFERENTIAL AND LONGITUDINAL SEAMS, ETC. A RECOMMENDED SEALANT SYSTEM, SUCH AS FOSTER DUCT-FAS DUCT SEALANT, SHALL BE APPLIED WITH FULL 100% COVERAGE OVER ALL DUCTWORK, GALVANIZED SUPPORTS, ETC. DUCTWORK SHALL BE SUITABLY SUPPORTED WITH HEEL AND WALL GALVALUME/GALVANIZED AUXILIARY SUPPORTS. ENTIRE INSTALLATION SHALL BE NEAT, INCLUDING SEALANT. ALL DUCTWORK SHALL BE ATTACHED TO HVAC UNIT CONNECTIONS WITH WEATHERPROOF FLEXIBLE CONNECTIONS. AFTER APPLICATION OF DUCT SEALANT, DUCTWORK AND AUXILIARY SUPPORTS SHALL BE NEATLY PRIMED AND PAINTED WITH WATER BASED PAINT (COLOR BY ARCHITECT).

5. PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLES AND REGISTERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.

6. VERIFY AVAILABLE SPACE ABOVE CEILINGS AND STRUCTURAL RESTRICTIONS PRIOR TO CONSTRUCTING DUCTWORK OR INSTALLING CONCEALED EQUIPMENT. DUCTWORK SIZE MAY BE ALTERED TO CONFORM TO THESE REQUIREMENTS PROVIDING SIMILAR AIR DELIVERY CHARACTERISTICS AS DEFINED AND APPROVED BY PROFESSIONAL. ALL SUPPLY AND RETURN AIR DUCTS THAT ARE SHOWN TO BE ROUTED CONCEALED ABOVE CEILINGS SHALL BE ROUTED TO AVOID THE BUILDING STRUCTURE AND COORDINATED WITH THE LIGHT FIXTURES, CONDUIT PIPING, ETC. VERIFY AVAILABLE SPACE AND COORDINATE THE SIZE AND ROUTING OF ALL DUCTWORK. IT IS INTENDED THAT DUCTWORK HAVE THE "RIGHT-OF-WAY" ABOVE MOST OTHER CRAFTS AND INSTALLATIONS.

7. SEE NOTES, SCHEDULES AND INSTALLATION DETAILS ON DRAWINGS FOR SPECIFICATIONS GOVERNING DUCTWORK SEALANT, DUCTWORK INSTALLATION, SUPPORTS, TAPS, FITTINGS, THE RESTRICTED USE OF FLEXIBLE DUCTWORK AND DUCTWORK LEAK/PRESSURE TESTING.

8. TEST AND BALANCE ALL NEW AIR DISTRIBUTION SYSTEM (AND DEVICES) TO AIR QUANTITIES SHOWN ADJACENT TO EACH DEVICE, WITHIN SPECIFIED TOLERANCES. TESTING SHALL BE PERFORMED BY AN AABC OR NEBB ACCREDITED COMPANY.

9. ALL BRANCH DUCT OUTLETS TO SUPPLY AND RETURN AIR DISTRIBUTION GRILLES, REGISTERS, AND DIFFUSERS SHALL INCLUDE VOLUME DAMPER AND TYPE BRANCH DUCT ADAPTER/OUTLET INDICATED. ROUND TAPS TO RECTANGULAR TRUNK DUCTS SHALL BE BELLMOUTH OR LATERAL TYPE. NO DOVETAIL FIELD CONNECTIONS ALLOWED, EXCEPT WHERE SPECIFICALLY DETAILED.

10. DUCT SIZES INDICATED ARE ACTUAL INSIDE NET DIMENSIONS. ALL RECTANGULAR SUPPLY, RETURN, AND OUTSIDE AIR DUCT SIZES ARE INSIDE CLEAR DIMENSIONS INSIDE ACOUSTICAL LINER, WHERE APPLICABLE.

11. PRIOR TO SUBMITTING A BID, VISIT THE SITE OF THE PROPOSED CONSTRUCTION & BECOME THOROUGHLY ACQUAINTED WITH EXISTING CONDITIONS TO BE ENCOUNTERED ETC. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR CONDITIONS WHICH WERE NOT KNOWN OR APPRECIATED WHEN SUBMITTING A BID IF THE CONDITION WAS OBVIOUS AND COULD HAVE BEEN DISCOVERED.

12. ROUTING OF ALL DUCTWORK, PIPING, CONTROL CONDUIT, ETC. TO BE COORDINATED WITH LIGHTING FIXTURE LAYOUT IN EXPOSED STRUCTURE AREAS.

13. ALL DUCTWORK, PIPING, INSULATION AND HANGERS EXPOSED THROUGHOUT FACILITY TO BE PRIMED AND PAINTED.

14. ALL SMALL WALL AND ROOF PENETRATIONS THROUGH METAL BUILDING TYPE CONSTRUCTION SHALL BE COORDINATED SUCH THAT PIPE, ETC., CENTERS THE FLAT AREA BETWEEN RIDGES OF SIDING/ROOFING. AN ELASTOMERIC WEATHER SEALANT SHALL BE UTILIZED TO WEATHER SEAL ALL PENETRATIONS. ALL FLASHING SHALL BE GALVALUME OR HEAVY DUTY ALUMINUM WITH PRIMED FINISH TO MATCH ADJACENT METAL BUILDING PANEL COLOR.

GENERAL PLUMBING NOTES:

1. PROVIDE ALL PLUMBING PIPING, FIXTURES, TRIM, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL PLUMBING SYSTEM. VERIFY WITH ARCHITECT AND DRAWINGS, WHICH PLUMBING INSTALLATIONS ARE DESIGNATED FOR ADA ACCESSIBILITY. ALL SUCH FIXTURE INSTALLATIONS SHALL INCLUDE ALL INSTALLATION ACCESSORIES, MOUNTING/LIP HEIGHT, CONTROL OFFSET, SIZE AND ACCESSIBILITY AS REQUIRED BY LATEST EDITION OF AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL GOVERNING AUTHORITIES.

2. PROVIDE DI-ELECTRIC BUSHINGS IN ALL PIPE SYSTEMS WHERE UNLIKE METALS ARE CONNECTED, I.E., COPPER TO STEEL. PROVIDE STEEL SLEEVES IN ALL FLOORS, WALLS, ROOF DECK, ETC., FOR PIPE PENETRATIONS. SLEEVES SHALL BE OF SUFFICIENT DIAMETER TO ACCOMMODATE PIPE AND INSULATION, WHERE APPROPRIATE. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALL AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO WALLS AS POSSIBLE.

3. PIPE ALL DRIPS, DRAINS, RELIEFS, ETC. TO THE NEAREST FLOOR DRAIN UNLESS OTHERWISE INDICATED.

4. DO NOT RUN PLUMBING PIPING THROUGH OR OVER ELECTRICAL CLOSETS OR WITHIN 3'-0" OF ELECTRICAL PANEL FRONTS.

5. DISINFECT ALL NEW POTABLE WATER PIPING SYSTEMS WITH DOCUMENTATION PER SPECIFICATIONS AND PRIOR TO SWAP OVER OF NEW POTABLE WATER SERVICES.

6. PRIOR TO SUBMITTING A BID, VISIT THE SITE OF THE PROPOSED CONSTRUCTION & BECOME THOROUGHLY ACQUAINTED WITH EXISTING CONDITIONS TO BE ENCOUNTERED ETC. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR CONDITIONS WHICH WERE NOT KNOWN OR APPRECIATED WHEN SUBMITTING A BID IF THE CONDITION WAS OBVIOUS AND COULD HAVE BEEN DISCOVERED. THE INTENT IS FOR ALL UTILITIES, WHETHER ACTIVE OR ABANDONED, ROUTED BELOW GRADE IN THE AREA ENCOMPASSED BY THE NEW CONSTRUCTION, TO BE DISCONNECTED, REMOVED & RELOCATED (IF ACTIVE) TO PRESERVE EXISTING LOAD OR CAPACITY. THE LOCATION OF ALL UTILITIES, NEW OR EXISTING, SHALL BE DULY IDENTIFIED AS TO SIZE, MATERIAL, AND FUNCTION OF PIPE, ETC. ON AS-BUILT DRAWINGS.

CODE REVIEW

DESIGN CODE	2018 INTERNATIONAL CODE COUNCIL (ICC)

DRAWING INDEX - HVAC

1

Sheet Number	Sheet Name
M000	MECHANICAL SPECIFICATIONS
M100	OVERALL MECHANICAL PLANS
M200	MECHANICAL SCHEDULES
M300	MECHANICAL DETAILS

LEGEND - PLUMBING

MARK	DESCRIPTION
G	EXISTING LOW PRESSURE GAS PIPING
G	NEW LOW PRESSURE GAS PIPING
	GAS COCK
	THERMOMETER WITH WELL
	POINT OF CONNECTION TO EXISTING
W	WASTE
V	VENT
A/C	ABOVE CEILING
A/G	ABOVE FINISHED GRADE
B/G	BELOW FINISHED GRADE
DN.	DOWN
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT

LEGEND - HVAC

MARK	DESCRIPTION
	TYPICAL RECTANGULAR TO ROUND DUCT TRANSITION
	TYPICAL DUCTWORK INCREASER/REDUCER
	TYPICAL ADJUSTABLE LOCKING QUADRANT VOLUME DAMPER
	MOTORIZED DAMPER
S/A R/A E/A	WHEN PRINTED IN COLOR, SUPPLY DUCTWORK INDICATED BY BLUE COLOR, RETURN/TRANSFER DUCTWORK INDICATED BY RED COLOR AND EXHAUST DUCTWORK INDICATED BY GREEN COLOR. WHEN PRINTED IN GRAYSCALE, ALL DUCTWORK APPEARS THE SAME AND INDICATION OF DUCTWORK TYPE IS DETERMINED BY EQUIPMENT/GRILLES SERVED (SEE OTHER LEGENDS FOR MORE INFORMATION).
24"x14"	RECTANGULAR DUCT WITH SIZE LISTED. THE "x" DENOTES RECTANGULAR DUCT. (THE FIRST NUMBER INDICATES DUCT WIDTH PARALLEL TO VIEW WHILE THE SECOND NUMBER INDICATES DEPTH PERPENDICULAR TO VIEW). SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
18"ø	SOCK DUCT WITH SIZE LISTED. THE "ø" DENOTES ROUND DUCT. SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
T	AUTOMATIC HEATING/COOLING CHANGEOVER PROGRAMMABLE THERMOSTAT MOUNTED AT 48" AFF BEHIND CLEAR "BERKO" LOCKING TAMPER RESISTANT COVER
H	HIGH HUMIDITY SENSOR MOUNTED AT 84" AFF BEHIND WHITE "KENALL" TAMPER PROOF COVER
	TYPICAL AIR FOIL TURNING VANES
S/A	SUPPLY AIR
R/A	RETURN AIR
B.D.	LOCKING QUADRANT BALANCING DAMPER
MD	MOTORIZED DAMPER
ISD	DUCT MOUNTED SMOKE DETECTOR

WBA

PPSD CTE RENOVATION

3603 US-80
PEARL, MS 39208

9/24/2025

CONSTRUCTION DOCUMENTS
WBA # 25-009

REVISIONS

NO.	DESCRIPTION	DATE
1	Addendum 4	10/22/25

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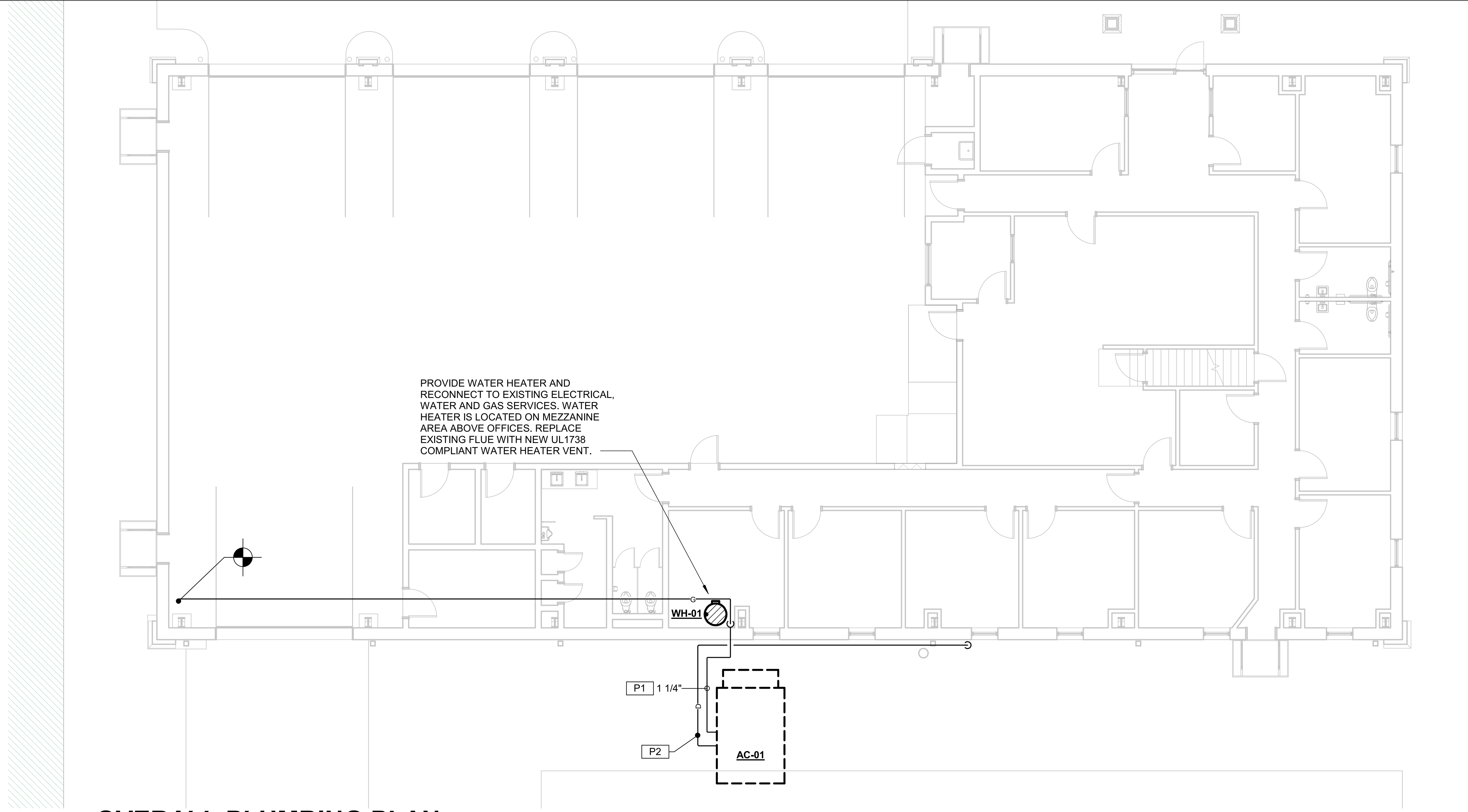
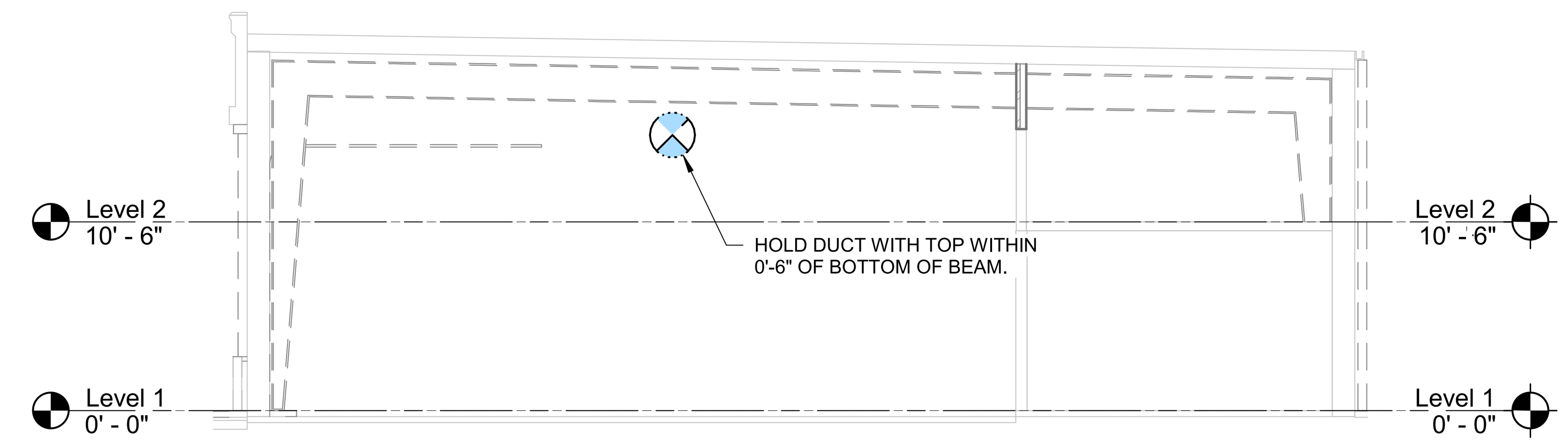
M000
MECHANICAL SPECIFICATIONS

SPECIFIC PLUMBING NOTES	
P1	ROUTE NEW GAS PIPING ATOP UNISTRUT SUPPORTS ATOP NEW EQUIPMENT CONCRETE PAD.
P2	EXTEND 1-1/2" CONDENSATE DRAIN ROUTED ON SLOPE TO NEARBY DOWNSPOUT.

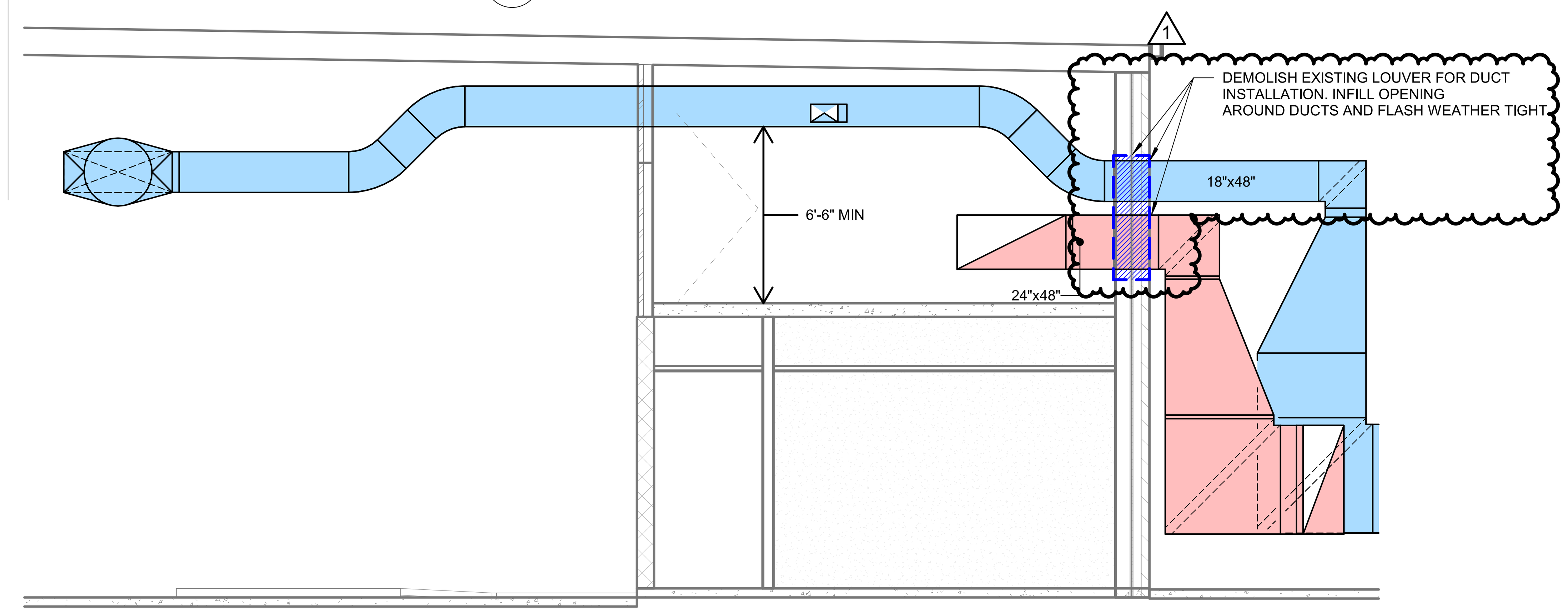
SPECIFIC HVAC NOTES	
M1	OUTDOOR DUCTWORK. SEE GENERAL HVAC NOTES FOR DETAILED REQUIREMENTS.
M2	FABRIC DUCT. SEE DETAIL AND/OR SCHEDULE FOR AIRFLOW DISTRIBUTION PATTERN REQUIREMENTS.
M3	DEMOLISH EXISTING FLUE AT OLD UNIT HEATER. CAP PER DETAIL.
M4	ROLL DUCTWORK UP/DOWN UTILIZING MAXIMUM 45 DEGREE ELBOWS AS REQUIRED TO MAINTAIN AS MUCH HEADROOM BELOW DUCT AS POSSIBLE AT MEZZANINE AND THEN ROLLING BACK DOWN TO ALLOW FABRIC DUCT TO GO UNDER BEAM.
M5	OPEN DUCT WITH 1/2"SQ. OPENING GALVANIZED HARDWARE CLOTH OVER OPENING.
M6	WATER HEATER INTAKE/VENT. SEE DETAIL.
M7	AIR STRAIGHTENING CONE PROVIDED BY FABRIC DUCT MANUFACTURER.



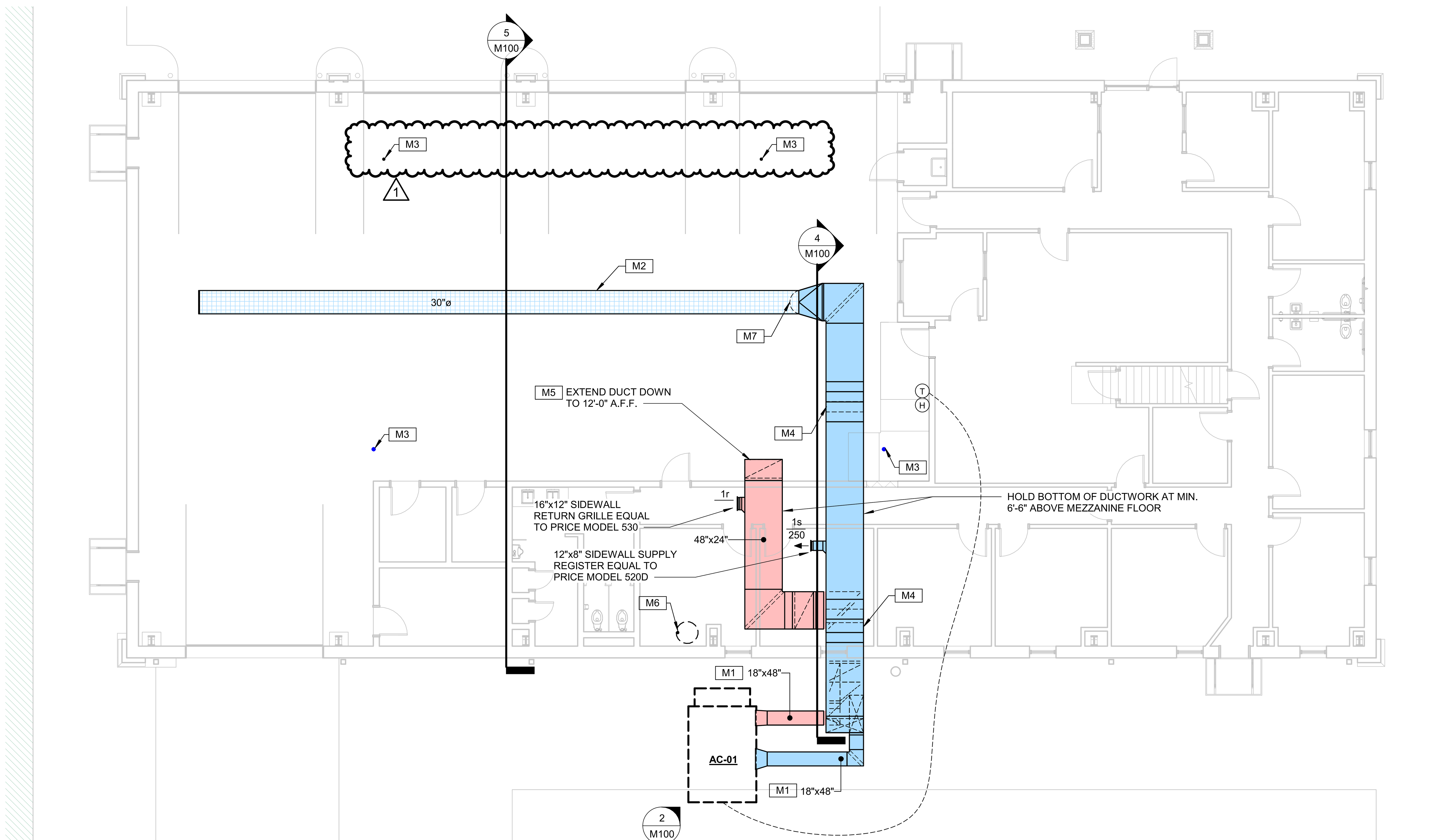
3 M100 OVERALL PLUMBING PLAN
1/8" = 1'-0"



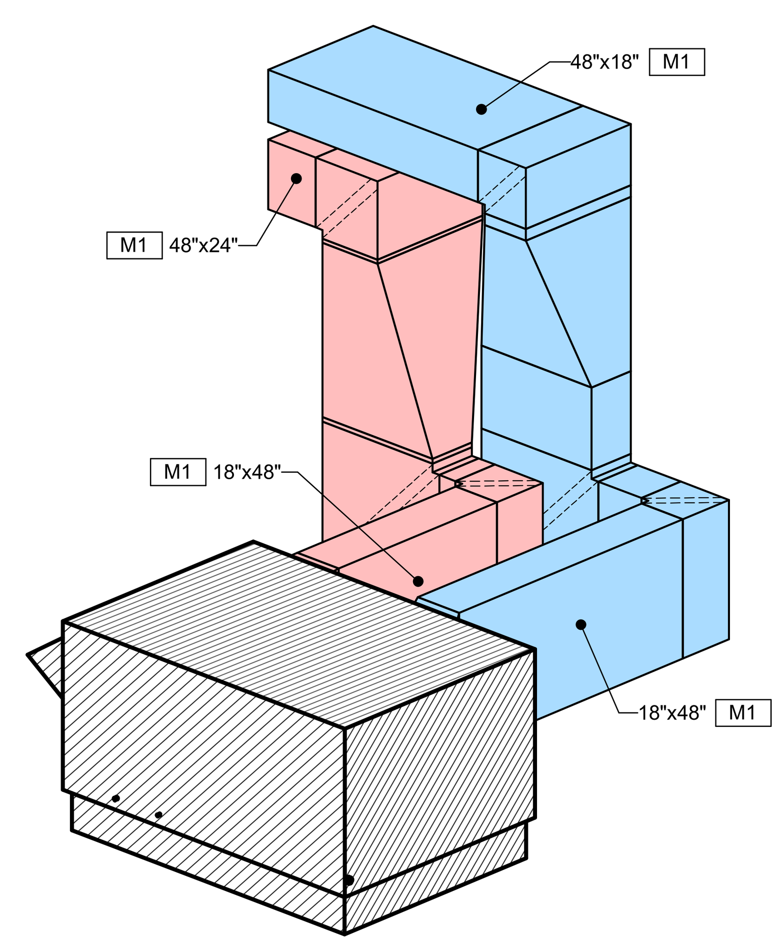
5 M100 SOCK DUCT SECTION
1/8" = 1'-0"



4 M100 HVAC SECTION
1/4" = 1'-0"



1 M100 OVERALL HVAC PLAN
1/8" = 1'-0"



2 M100 HVAC ISOMETRIC

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PPSD CTE RENOVATION

3603 US-80
PEARL, MS 39208

9/24/2025

CONSTRUCTION DOCUMENTS
WBA # 25-009

REVISIONS

NO.	DESCRIPTION	DATE
1	Addendum 4	10/22/25

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1

M100
OVERALL MECHANICAL PLANS

ELECTRICAL LEGEND

GENERAL NOTES

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

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.

- SURFACE MOUNTED OR SUSPENDED FIXTURE.
- PENDANT MOUNT FIXTURE.
- WALL MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.

MISCELLANEOUS

- CONTACTOR.

SWITCHES

- THREE-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- FOUR-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.

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:

1) CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED.

2) 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.

3) FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.

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.
- 10 — 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.
- LA-1 — 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.

FIRE ALARM SYSTEM

- MANUAL PULL STATION. MOUNT 48"A.F.F. TO CENTERLINE OF BOX.
- STROBE. MOUNT 80"A.F.F. TO BOTTOM OF BOX.
- COMBINATION SPEAKER AND STROBE. MOUNT 80"A.F.F. TO BOTTOM OF BOX.
- SMOKE DETECTOR.
- THERMAL DETECTOR.
- DUCT SMOKE DETECTOR IN RETURN DUCT.
- DUCT SMOKE DETECTOR IN SUPPLY DUCT.
- FACP — FIRE ALARM CONTROL PANEL. CIRCUIT BREAKER SHALL BE COLORED RED.
- FAAP — FIRE ALARM ANNUNCIATOR PANEL.
- VEP — VOICE EVAC PANEL.
- FIRE ALARM SPEAKER AND STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.
- FIRE ALARM STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.

4

GEAR

- NON-FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE.
- PANELBOARD.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	PART NUMBER	LAMPS	MOUNTING	REMARKS
A	LITHONIA	CPHB-15000LM-SEF-GCL-WD-MVOLT-GZ10-40K-80CRI-DWH-HC36	LED, 105W 15,404 LUMENS	SUSPENDED	
AE	LITHONIA	CPHB-15000LM-SEF-GCL-WD-MVOLT GZ10-40K-80CRI-E10WCP-DWH-HC36	LED, 105W 15,404 LUMENS	SUSPENDED	*WITH 120V EMERGENCY BATTERY PACK.
X	LITHONIA	LQM-S-W-RG-MVOLT-EL	LED	UNIVERSIAL	*WITH 120V EMERGENCY BATTERY PACK.

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WBA ARCHITECTURE

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9/29/2025
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STATE OF MISSISSIPPI

PPSD CTE RENOVATION

3603 US-80
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100% CONSTRUCTION DOCUMENTS

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REVISIONS

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1	2025-10-10	
3	ADDENDUM #3	2025-10-16
4	ADDENDUM #4	2025-10-28

E000

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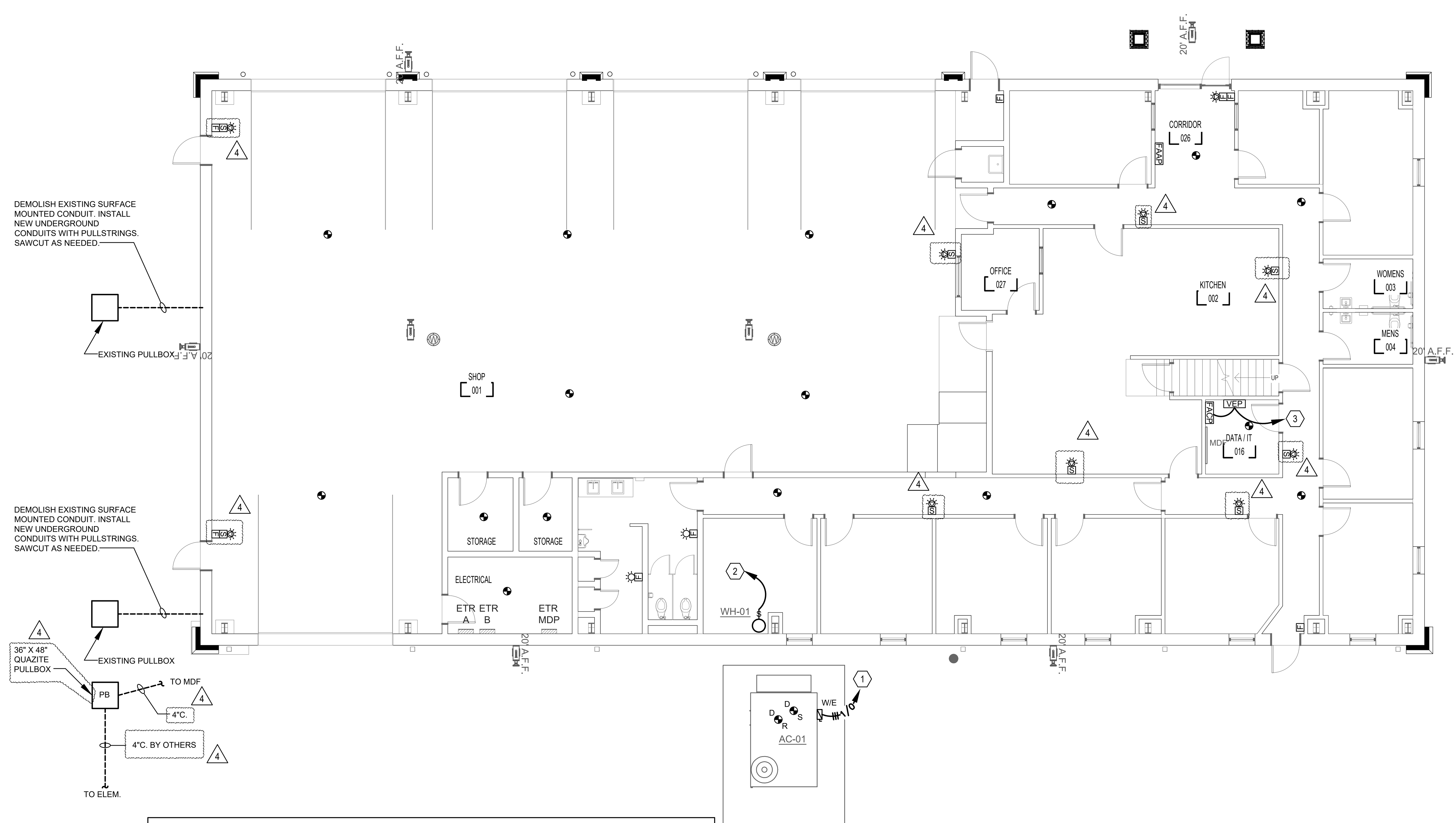

KEYED NOTES

Mark	Description
1	PROVIDE A NEW 150/3 BREAKER IN EXISTING PANEL "MDP".
2	PROVIDE A NEW 20/1 BREAKER IN EXISTING PANEL "B".
3	PROVIDE A NEW 20/1 BREAKER IN EXISTING PANEL "B". LABEL THE BREAKER WITH A RED LABEL READING FIRE ALARM PANEL.

1 E200 MECHANICAL PLAN
Scale: 1/8" = 1'- 0"

9/29/2025

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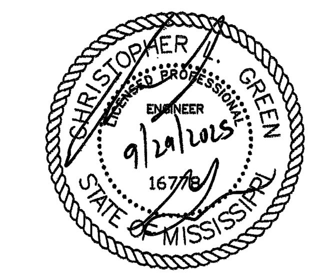
WBA ARCHITECTURE



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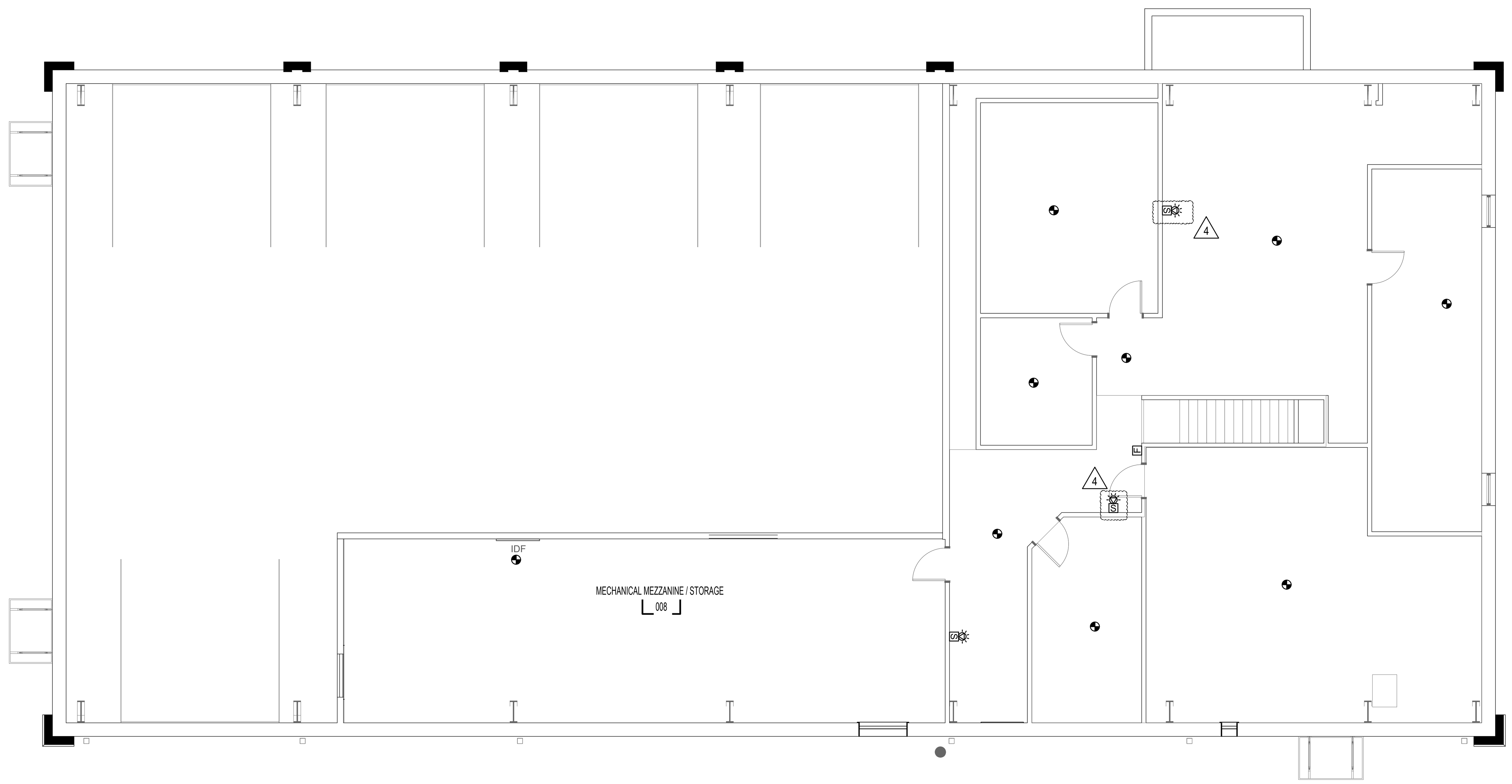

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E201
MECHANICAL PLAN - SECOND FLOOR
Scale: 1/8" = 1'- 0"

9/29/2025

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E201