



Procurement #: 49336>

CITY OF PROVIDENCE, RHODE ISLAND

Department: Public Property

**RFP Title: GENERAL CONTRACTOR SERVICES FOR JOSLIN RECREATION CENTER CPF
IMPROVEMENTS**

Opening Date: 06/02/2025

Addendum #: 1

Issue Date: 05/21/2025

The purpose of this addendum is:

To share the prebid conference sign-in sheets, updated drawings and specifications, and responses to bidder RFIs.

Providence City Hall
25 Dorrance Street
Providence, RI 02903

*****ADDENDUM ONE*****

**City of Providence
Department of Public Property
Joslin Recreation Center – CPF Renovation
17 Hyatt Street
Providence, RI 02903**

May 21, 2025

NOTICE:

This Addendum modifies, amends and supplements designated part of the CONTRACT DOCUMENTS for the project identified as "Joslin Recreation Center – CPF Renovation" at 17 Hyatt Street, Providence, RI 02903, 100% CD Submission, dated May 5, 2025, and is hereby made a part thereof by reference, and shall be as binding as though inserted in its entirety in the locations designated hereunder. It shall be the responsibility of the Contractor to notify all subcontractor and suppliers he proposes to use for the various parts of the work of any changes or modifications contained in this Addendum. No claim for additional compensation due to lack of knowledge of the contents of this Addendum will be considered.

GENERAL:

Pre-Bid Walk Through:

Item No. 1: A Mandatory Pre-Bid Walkthrough was held at the project site on May 12, 2025 at 10:00 am. Please find the Pre-Bid Sign-In sheet attached.

DRAWINGS:

1. Remove the following drawings and Replace with attached Revised drawings for Addendum #1 Dated 05.21.2025:

G0.01	Abbreviations, Legend, Signage and Sheet Index
AD1.00	First Floor Demolition Plan
AD1.01	Roof Demolition Plan
A1.00	First Floor Plan
A1.01	Basement & Second Floor Plans
A1.02	Roof Plan
A1.03	First Floor Reflected Ceiling Plan
A2.00	Enlarged Floor Plans
A3.00	Building Elevations
A5.01	Plan Details
A6.00	Door Schedule
A6.01	Interior Aluminum Frames

2. Add the following attached New Drawing:

A6.04	Exterior Door Details
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SPECIFICATIONS:

1. Remove the following specification sections:

Section 081113	Hollow Metal Frames
Section 087100	Door Hardware

2. Add the following attached specification sections Dated 05.21.2025:

Section 081113	Hollow Metal Doors and Frames
Section 087101	Door Hardware

CLARIFICATIONS:

1. A Door Hardware and Keying requirement coordination meeting shall be arranged by the General Contractor with their sub-contractors, Owner and all Design team members prior to Door, Frame, and Door Hardware Submittals.
2. While the remainder of the spaces will be turned over to the contractor at the conclusion of summer camp, the Gym is used by both the Rec center and D'Abate Elementary. The awarded contractor will be required to coordinate access and work in this space with both the Rec center and the school. Prolonged Gym shutdowns should be planned around school vacations and holidays."
3. Contractor shall carry Builder's Risk Insurance, as required, for the Full value of the property.

REQUEST FOR INFORMATION:

1. **RFI #1:**

- Please confirm if demolition work per notes 6 & 7 AD1.00 are to be done? It is listed in notes but not shown on floor plan

Answer – Refer to sheet A1.03 for Ceiling Demolition information.

Demolition notes 6 & 7 are being used and are indicated on drawing 2/ A1.03. All existing First Floor Ceiling finishes and/ or Substrates, as occurs, are being removed and replaced with New Ceiling finishes.

- Please confirm if site drawings will be issued? There is mention of demolition of exterior site work in project manual however no new site work is shown or listed.

Answer – We do not anticipate issuing a New site plan. Please refer to sheet ES1.00, Electrical Site Plan for information regarding a New transformer and Pad included in the project scope.

- Please clarify, on drawing A6.00 door schedule RM102 there is no frame type listed.

Answer – Door #102 into Storage Rm 102 will receive a New set of Fire Rated Doors and Fire Rated Hollow Metal Frame. Revised Drawing sheet A6.00 is included in this Addendum.

2. **RFI #2:**

- Please confirm if there is an abatement report? I see unit prices for abatement but nothing else for abatement.

Answer – There is an Abatement Plan and Hazardous testing Report from the Previous project held at this facility. The report can be made available if requested. The project scope does have a lump-sum Allowance for Hazardous material testing and abatement. Refer to Speciation section 012100 Allowances, for further information.

- Please confirm, do the restrooms also receive ceramic tile or is it solely the gender-neutral restroom/ shower room?

Answer – The existing epoxy flooring will remain at Staff Toilet 121, Boy's Toilet 114 and Girl's Toilet 116. Only the New Gender-Neutral Shower Room 110 will receive New (CT) ceramic tile flooring, base and wall tile.

- Please confirm if there will be epoxy flooring?

Answer – No New Epoxy flooring.

- Please confirm if there will be axiom trim for the Tectum ceiling system?

Answer – Please refer to specification section 095123 Acoustic Tile Ceilings. The hexagon cloud assembly's product information is located in Section 2.2 (B) SoundScapes Shapes, by Armstrong World Industries. This system does not require axiom trim, however, please refer to Drawing A1.03, First Floor Reflective Ceiling Plan, for ceiling and soffit trim requirements.

- Please confirm if there are two floor drains or one? The plumbing schedule denotes two however the floor plans only shows one.

Answer – In Storage Room 113, the indicated Floor Drain is labeled incorrectly as FD-1 and shall be labeled "FD-2." The corresponding "keynote" is also labeled incorrectly as #5 and shall be labeled as "keynote" #6.

3. **RFI #3:**

- In rooms 103D and 103f the floor plan shows a counter line with a computer on it, but these are not called off or elevated. Do we need to carry anything for these?

Answer – Yes, a countertop with gamba support brackets is to be provided and installed at these locations. Refer to Revised drawing A2.00 included in this Addendum for information.

- The cubbies are noted to have South Co Swing Handle Latch Model #3-50-420-050. I have contacted one of the local distributors for these locks and they say that this lock is available in a version with a padlock hasp and a keyed version. Confirm which version is required, as there is a large price difference between the two. If the keyed version is required, we will need to have these keyed to 72 different keys, which is costly and may need to be a custom order.

Answer – Please provide the Swing Handle Latch Model with a Padlock Hasp. No keying is required.

Attachments:

1. Pre-Bid Sign in Sheet

NOTICE TO ALL CONTRACTORS:

Contractors shall call our office to verify number of Addendum issued at least 24 hours in advance of bid submission. Failure to acknowledge receipt of this addendum on the bid form may, at the sole discretion of the Owner, serve as justification to reject bid.

END OF WRITTEN ADDENDUM

*****ADDENDUM ONE*****

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SECTION 081113 - HOLLOW METAL DOORS and FRAMES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes hollow-metal work.
- B. Related Requirements:
 - 1. Section 017419 "Construction Waste Management Plan" for provision of waste management.
 - 2. Section 087100 "Door Hardware" for door hardware for hollow-metal doors.
 - 3. Division 26 "Electrical" Sections for electrical connections including conduit and wiring for door controls and operators installed on hollow metal doors and frames.
 - 4. Division 28 Access Control for access control devices installed at hollow metal doors and frames.

1.3 DEFINITIONS

- A. Minimum Thickness: Minimum thickness of base metal without coatings according to NAAMM-HMMA 803 or SDI A250.8.

1.4 COORDINATION

- A. Coordinate anchorage installation for hollow-metal frames. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors. Deliver such items to Project site in time for installation.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, core descriptions, fire-resistance ratings, temperature-rise ratings, and finishes.
- B. Shop Drawings: Include the following:
 - 1. Elevations of each door, frame and vision panel type.
 - 2. Frame details for each frame type, including dimensioned profiles and metal thicknesses.
 - 3. Details of doors, including vertical- and horizontal- edge details and metal thicknesses.
 - 4. Locations of reinforcement and preparations for hardware.
 - 5. Details of each different wall opening condition.
 - 6. Details of anchorages, joints, field splices, and connections.
 - 7. Details of accessories.

8. Details of moldings, removable stops, and glazing.
9. Details of conduit and preparations for power, signal, and control systems.

- C. Schedule: Provide a schedule of hollow-metal work prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings. Coordinate with final Door Hardware Schedule.

1.6 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each type of hollow-metal door and frame assembly, for tests performed by a qualified testing agency.
- B. Oversize Construction Certification: For assemblies required to be fire rated and exceeding limitations of labeled assemblies.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver hollow-metal work palletized, packaged, or crated to provide protection during transit and Project-site storage. Do not use nonvented plastic.
 1. Provide additional protection to prevent damage to factory-finished units.
- B. Deliver welded frames with two removable spreader bars across bottom of frames, tack welded to jambs and mullions.
- C. Store hollow-metal work vertically under cover at Project site with head up. Place on minimum 4-inch- (102-mm-) high wood blocking. Provide minimum 1/4-inch (6-mm) space between each stacked door to permit air circulation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 1. Amweld International, LLC.
 2. Ceco Door Products; an Assa Abloy Group company.
 3. Curries Company; an Assa Abloy Group company.
 4. Pioneer Industries, Inc.
 5. Republic Doors and Frames.
 6. Steelcraft; an Ingersoll-Rand company.
- B. Source Limitations: Obtain hollow-metal work from single source from single manufacturer.

2.2 REGULATORY REQUIREMENTS

- A. Fire-Rated Assemblies: Complying with NFPA 80 and listed and labeled by a qualified testing agency acceptable to authorities having jurisdiction for fire-protection ratings and temperature-rise limits indicated, based on testing at positive pressure according to NFPA 252 or UL 10C.
 1. Smoke- and Draft-Control Assemblies: At fire rated door and frame assemblies opening to a corridor or located within a smoke barrier, provide an assembly with gaskets listed

and labeled for smoke and draft control by a qualified testing agency acceptable to authorities having jurisdiction, based on testing according to UL 1784 and installed in compliance with NFPA 105.

- B. Fire-Rated, Borrowed-Light Assemblies: Complying with NFPA 80 and listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction for fire-protection ratings indicated, based on testing according to NFPA 257 or UL 9.

2.3 INTERIOR DOOR/ VISION PANELS AND FRAMES

- A. Construct interior doors, vision panels and frames to comply with the standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.
- B. Heavy-Duty Doors and Frames: SDI A250.8, Level 2. At all interior door locations unless noted otherwise on the Drawings.
 - 1. Physical Performance: Level B according to SDI A250.4.
 - 2. Doors:
 - a. Type: As indicated in the Door and Frame Schedule.
 - b. Thickness: 1-3/4 inches (44.5 mm).
 - c. Face: Uncoated, cold-rolled steel sheet, minimum thickness of 0.042 inch (1.0 mm).
 - d. Edge Construction: Model 2, Seamless.
 - e. Core: Manufacturer's standard kraft-paper honeycomb, polystyrene, polyurethane, polyisocyanurate, mineral-board, or vertical steel-stiffener core at manufacturer's discretion.
 - 3. Frames:
 - a. Materials: Uncoated steel sheet, minimum thickness of 0.053 inch (1.3 mm).
 - b. Construction: Full profile welded.
 - 4. Exposed Finish: Prime.

2.4 EXTERIOR HOLLOW-METAL DOORS AND FRAMES

- A. Construct exterior doors and frames to comply with the standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.
- B. Extra-Heavy-Duty Doors and Frames: SDI A250.8, Level 3. At all exterior doors unless noted otherwise.
 - 1. Physical Performance: Level A according to SDI A250.4.
 - 2. Doors:
 - a. Type: As indicated in the Door and Frame Schedule.
 - b. Thickness: 1-3/4 inches (44.5 mm.)
 - c. Face: Metallic-coated steel sheet, minimum thickness of 0.053 inch (1.3 mm), with minimum A40 (ZF120) coating.
 - d. Edge Construction: Model 2, Seamless.
 - e. Core: Manufacturer's polystyrene, polyurethane or polyisocyanurate core at manufacturer's discretion to achieve thermal rating indicated.
 - f. Core: Polyisocyanurate.

- 1) Thermal-Rated Doors: Provide doors fabricated with thermal-resistance value (R-value) of not less than 10 when tested according to ASTM C 1363.
3. Frames:
 - a. Materials: Metallic-coated steel sheet, minimum thickness of 0.053 inch (1.3 mm), with minimum A40 (ZF120) coating.
 - b. Construction: Full profile welded.
4. Exposed Finish: Prime.

2.5 FRAME ANCHORS

- A. Jamb Anchors:
 1. Masonry Type: Adjustable strap-and-stirrup or T-shaped anchors to suit frame size, not less than 0.042 inch (1.0 mm) thick, with corrugated or perforated straps not less than 2 inches (51 mm) wide by 10 inches (254 mm) long; or wire anchors not less than 0.177 inch (4.5 mm) thick.
 2. Stud-Wall Type: Designed to engage stud, welded to back of frames; not less than 0.042 inch (1.0 mm) thick.
 3. Postinstalled Expansion Type for In-Place Concrete or Masonry: Minimum 3/8-inch- (9.5-mm-) diameter bolts with expansion shields or inserts. Provide pipe spacer from frame to wall, with throat reinforcement plate, welded to frame at each anchor location.
- B. Floor Anchors: Formed from same material as frames, minimum thickness of 0.042 inch (1.0 mm), and as follows:
 1. Monolithic Concrete Slabs: Clip-type anchors, with two holes to receive fasteners.

2.6 MATERIALS

- A. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B; suitable for exposed applications.
- B. Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects; pickled and oiled.
- C. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS), Type B.
- D. Frame Anchors: ASTM A 879/A 879M, Commercial Steel (CS), 04Z (12G) coating designation; mill phosphatized.
 1. For anchors built into exterior walls, steel sheet complying with ASTM A 1008/A 1008M or ASTM A 1011/A 1011M, hot-dip galvanized according to ASTM A 153/A 153M, Class B.
- E. Inserts, Bolts, and Fasteners: Hot-dip galvanized according to ASTM A 153/A 153M.
- F. Power-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory devices for attaching hollow-metal frames of type indicated.
- G. Grout: ASTM C 476, except with a maximum slump of 4 inches (102 mm), as measured according to ASTM C 143/C 143M.

- H. Mineral-Fiber Insulation: ASTM C 665, Type I (blankets without membrane facing); consisting of fibers manufactured from slag or rock wool; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively; passing ASTM E 136 for combustion characteristics.
- I. Glazing: Comply with requirements in Section 088000 "Glazing."

2.7 FABRICATION

- A. Fabricate hollow-metal work to be rigid and free of defects, warp, or buckle. Accurately form metal to required sizes and profiles, with minimum radius for metal thickness. Where practical, fit and assemble units in manufacturer's plant. To ensure proper assembly at Project site, clearly identify work that cannot be permanently factory assembled before shipment.
- B. Hollow-Metal Doors:
 - 1. Steel-Stiffened Door Cores: Provide minimum thickness 0.026 inch (0.66 mm), steel vertical stiffeners of same material as face sheets extending full-door height, with vertical webs spaced not more than 6 inches (152 mm) apart. Spot weld to face sheets no more than 5 inches (127 mm) o.c. Fill spaces between stiffeners with glass- or mineral-fiber insulation.
 - 2. Fire Door Cores: As required to provide fire-protection and temperature-rise ratings indicated.
 - 3. Vertical Edges for Single-Acting Doors: Bevel edges 1/8 inch in 2 inches (3.2 mm in 51 mm).
 - 4. Top Edge Closures: Close top edges of doors with inverted closures, except provide flush closures at exterior doors of same material as face sheets.
 - 5. Bottom Edge Closures: Close bottom edges of doors with end closures or channels of same material as face sheets.
 - 6. Exterior Doors: Provide weep-hole openings in bottoms of exterior doors to permit moisture to escape. Seal joints in top edges of doors against water penetration.
 - 7. Astragals: Provide overlapping astragal on one leaf of pairs of doors where required by NFPA 80 for fire-performance rating or where indicated. Extend minimum 3/4 inch (19 mm) beyond edge of door on which astragal is mounted or as required to comply with published listing of qualified testing agency.
- C. Hollow-Metal Frames: Where frames are fabricated in sections due to shipping or handling limitations, provide alignment plates or angles at each joint, fabricated of same thickness metal as frames.
 - 1. Sidelight Frames: Provide closed tubular members with no visible face seams or joints, fabricated from same material as door frame. Fasten members at crossings and to jambs by butt welding.
 - 2. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated.
 - 3. Grout Guards: Weld guards to frame at back of hardware mortises in frames to be grouted.
 - 4. Floor Anchors: Weld anchors to bottoms of jambs with at least four spot welds per anchor; however, for slip-on drywall frames, provide anchor clips or countersunk holes at bottoms of jambs.
 - 5. Jamb Anchors: Provide number and spacing of anchors as follows:
 - a. Masonry Type: Locate anchors not more than 16 inches (406 mm) from top and bottom of frame. Space anchors not more than 32 inches (813 mm) o.c., to match coursing, and as follows:
 - 1) Two anchors per jamb up to 60 inches (1524 mm) high.
 - 2) Three anchors per jamb from 60 to 90 inches (1524 to 2286 mm) high.

- 3) Four anchors per jamb from 90 to 120 inches (2286 to 3048 mm) high.
 - 4) Four anchors per jamb plus one additional anchor per jamb for each 24 inches (610 mm) or fraction thereof above 120 inches (3048 mm) high.
 - b. Stud-Wall Type: Locate anchors not more than 18 inches (457 mm) from top and bottom of frame. Space anchors not more than 32 inches (813 mm) o.c. and as follows:
 - 1) Three anchors per jamb up to 60 inches (1524 mm) high.
 - 2) Four anchors per jamb from 60 to 90 inches (1524 to 2286 mm) high.
 - 3) Five anchors per jamb from 90 to 96 inches (2286 to 2438 mm) high.
 - 4) Five anchors per jamb plus one additional anchor per jamb for each 24 inches (610 mm) or fraction thereof above 96 inches (2438 mm) high.
 - c. Postinstalled Expansion Type: Locate anchors not more than 6 inches (152 mm) from top and bottom of frame. Space anchors not more than 26 inches (660 mm) o.c.
- 6. Door Silencers: Except on weather-stripped frames, drill stops to receive door silencers as follows. Keep holes clear during construction.
 - a. Single-Door Frames: Drill stop in strike jamb to receive three door silencers.
 - b. Double-Door Frames: Drill stop in head jamb to receive two door silencers.
- D. Fabricate concealed stiffeners and edge channels from either cold- or hot-rolled steel sheet.
- E. Hardware Preparation: Factory prepare hollow-metal work to receive templated mortised hardware; include cutouts, reinforcement, mortising, drilling, and tapping according to SDI A250.6, the Door Hardware Schedule, and templates.
 - 1. Reinforce doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.
 - 2. Comply with applicable requirements in SDI A250.6 and BHMA A156.115 for preparation of hollow-metal work for hardware.
- F. Stops and Moldings: Provide stops and moldings around glazed lites and louvers where indicated. Form corners of stops and moldings with butted hairline joints.
 - 1. Single Glazed Lites: Provide fixed stops and moldings welded on secure side of hollow-metal work.
 - 2. Multiple Glazed Lites: Provide fixed and removable stops and moldings so that each glazed lite is capable of being removed independently.
 - 3. Provide fixed frame moldings on outside of exterior and on secure side of interior doors and frames.
 - 4. Provide loose stops and moldings on inside of hollow-metal work.
 - 5. Coordinate rabbet width between fixed and removable stops with glazing and installation types indicated.

2.8 STEEL FINISHES

- A. Prime Finish: Clean, pretreat, and apply manufacturer's standard primer.
 - 1. Shop Primer: Manufacturer's standard, fast-curing, lead- and chromate-free primer complying with SDI A250.10; recommended by primer manufacturer for substrate; compatible with substrate and field-applied coatings despite prolonged exposure.

2.9 ACCESSORIES

- A. Mullions and Transom Bars: Join to adjacent members by welding or rigid mechanical anchors.
- B. Grout Guards: Formed from same material as frames, not less than 0.016 inch (0.4 mm) thick.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Examine roughing-in for embedded and built-in anchors to verify actual locations before frame installation.
- C. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

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

3.3 INSTALLATION

- A. General: Install hollow-metal work plumb, rigid, properly aligned, and securely fastened in place. Comply with Drawings and manufacturer's written instructions.
- B. Hollow-Metal Frames: Install hollow-metal frames of size and profile indicated. Comply with SDI A250.11 or NAAMM-HMMA 840 as required by standards specified.
 - 1. Set frames accurately in position; plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces, leaving surfaces smooth and undamaged.
 - a. At fire-rated openings, install frames according to NFPA 80.
 - b. Where frames are fabricated in sections because of shipping or handling limitations, field splice at approved locations by welding face joint continuously; grind, fill, dress, and make splice smooth, flush, and invisible on exposed faces.
 - c. Install frames with removable stops located on secure side of opening.
 - d. Remove temporary braces necessary for installation only after frames have been properly set and secured.
 - e. Check plumb, square, and twist of frames as walls are constructed. Shim as necessary to comply with installation tolerances.

2. Floor Anchors: Provide floor anchors for each jamb and mullion that extends to floor, and secure with postinstalled expansion anchors.
 - a. Floor anchors may be set with power-actuated fasteners instead of postinstalled expansion anchors if so indicated and approved on Shop Drawings.
 3. Metal-Stud Partitions: Solidly pack mineral-fiber insulation inside frames.
 4. Masonry Walls: Coordinate installation of frames to allow for solidly filling space between frames and masonry with grout.
 5. Concrete Walls: Solidly fill space between frames and concrete with mineral-fiber insulation.
 6. In-Place Concrete or Masonry Construction: Secure frames in place with postinstalled expansion anchors. Countersink anchors, and fill and make smooth, flush, and invisible on exposed faces.
 7. Installation Tolerances: Adjust hollow-metal door frames for squareness, alignment, twist, and plumb to the following tolerances:
 - a. Squareness: Plus or minus 1/16 inch (1.6 mm), measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
 - b. Alignment: Plus or minus 1/16 inch (1.6 mm), measured at jambs on a horizontal line parallel to plane of wall.
 - c. Twist: Plus or minus 1/16 inch (1.6 mm), measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
 - d. Plumbness: Plus or minus 1/16 inch (1.6 mm), measured at jambs at floor.
- C. Hollow-Metal Doors: Fit hollow-metal doors accurately in frames, within clearances specified below. Shim as necessary.
1. Non-Fire-Rated Steel Doors:
 - a. Between Door and Frame Jambs and Head: 1/8 inch (3.2 mm) plus or minus 1/32 inch (0.8 mm).
 - b. Between Edges of Pairs of Doors: 1/8 inch (3.2 mm) to 1/4 inch (6.3 mm) plus or minus 1/32 inch (0.8 mm).
 - c. At Bottom of Door: 3/4 inch (19.1 mm) plus or minus 1/32 inch (0.8 mm).
 - d. Between Door Face and Stop: 1/16 inch (1.6 mm) to 1/8 inch (3.2 mm) plus or minus 1/32 inch (0.8 mm).
 2. Fire-Rated Doors: Install doors with clearances according to NFPA 80.
 3. Smoke-Control Doors: Install doors and gaskets according to NFPA 105.
- D. Glazing: Comply with installation requirements in Section 088000 "Glazing" and with hollow-metal manufacturer's written instructions.
1. Secure stops with countersunk flat- or oval-head machine screws spaced uniformly not more than 9 inches (230 mm) o.c. and not more than 2 inches (51 mm) o.c. from each corner.

3.4 ADJUSTING AND CLEANING

- A. Final Adjustments: Check and readjust operating hardware items immediately before final inspection. Leave work in complete and proper operating condition. Remove and replace defective work, including hollow-metal work that is warped, bowed, or otherwise unacceptable.
- B. Remove grout and other bonding material from hollow-metal work immediately after installation.

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

END OF SECTION 081113

SECTION 087100 DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. The Contractor, Subcontractors, and/or suppliers providing goods or services referenced in or related to this Section shall also be bound by the Documents identified in Division 01 Section "Summary", Paragraph 1.1A, entitled "Related Documents."

1.2 SECTION INCLUDES

- A. Furnish and deliver all finish hardware necessary for all doors, also hardware as specified herein and as enumerated in hardware sets and as indicated and required by actual conditions at the building. The hardware shall include the furnishing of all necessary screws, bolts, expansion shields, drop plates, and all other devices necessary for the proper application of the hardware.

1.3 RELATED SECTIONS

- A. Division 06 - Wood, Plastics, and Composites
- B. Section 081113 - Hollow Metal Frames
- C. Section 081416 - Flush Wood Doors
- D. Section 087113 – Automatic Door Operators
- E. Section 088000 - Glazing
- F. Division 26 - Electrical
- G. Specific Omissions: Hardware for the following is specified or indicated elsewhere, unless specifically listed in the hardware sets:
 - 1. Windows.
 - 2. Cabinets of all kinds, including open wall shelving and locks.
 - 3. Signs, except as noted.

1.4 REFERENCES

- A. International Code Congress (ICC)/American National Standards Institute (ANSI):
 - 1. ICC/ANSI A117.1, Accessible and Usable Buildings and Facilities.
 - 2. ANSI/BHMA A156.1 – A156.24 – Standards for Hardware and Specialties.
- B. National Fire Protection Association (NFPA):
 - 1. NFPA 80 - Standard for Fire Doors and Fire Windows
 - 2. NFPA 101 - Life Safety Code
 - 3. NFPA 105 - Smoke and Draft Control Door Assemblies

- C. Underwriters Laboratories, Inc. (UL):
 - 1. UL 10C - Positive Pressure Test of Fire Door Assemblies
 - 2. UL 1784 - Air Leakage Tests of Door Assemblies
- D. Applicable state and local building codes.
- E. Accessibility
 - 1. ADA - Americans with Disabilities Act
 - 2. Rhode Island Accessibility Code – SBC-14, 15, 16
- F. Door and Hardware Institute (DHI):
 - 1. Sequence and Format for the Hardware Schedule.
 - 2. Recommended Locations for Builders Hardware

1.5 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Product Data: Include manufacturers' technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
- C. Final Hardware Schedule Content: Based on hardware indicated, organize schedule into "hardware sets" indicating complete designations of every item required for each door or opening. Include the following information:
 - 1. Type, style, function, size, and finish of each hardware item.
 - 2. Name and manufacturer of each item.
 - 3. Fastenings and other pertinent information.
 - 4. Location of each hardware set cross-referenced to indications on Drawings.
 - 5. Explanation of all abbreviations, symbols, and codes contained in schedule.
 - 6. Mounting locations for hardware.
 - 7. Mounting type for closers.
 - 8. Door and frame sizes, materials, degree of opening, handing, and fire/smoke rating.
 - 9. Name and phone number for the local manufacturer's representative for each product.
- D. Key Schedule: After a keying meeting between representatives of the Owner, Architect, and the hardware supplier, provide a keying schedule, listing the levels of keying, as well as an explanation of the key system's function, the key symbols used, and the door numbers controlled. This schedule can be submitted as a part of the hardware schedule or as a separate schedule.
- E. Samples: If requested by the Architect, submit samples of each type of exposed hardware unit in finish indicated and tagged with full description for coordination with schedule.
 - 1. Samples will be returned to the supplier in like-new condition. Units that are acceptable may, after final check of operations, be incorporated in the Work, within limitations of key coordination requirements.
- F. Templates: After final approval of the hardware schedule, provide templates for doors, frames, and other work specified to be factory prepared for the installation of door hardware.

- G. Wiring Diagrams: After final approval of the hardware schedule, submit wiring diagrams as required for the proper installation of all electrical, electro-mechanical, and/or electro-magnetic products.
- H. Operations and Maintenance Data: Provide in accordance with Section 01 78 23 and include the following:
 - 1. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
 - 2. Catalog pages for each product.
 - 3. Name, address, and phone number of local representatives for each manufacturer.
 - 4. Parts list for each product.
 - 5. Copy of final approved hardware schedule, edited to reflect "As installed."
 - 6. Copy of final keying schedule.
 - 7. As installed "Wiring Diagrams" for each opening connected to power, both low voltage and 110 volts.
 - 8. One (1) complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.
 - 9. Copy of warranties including appropriate reference numbers for manufacturers to identify the project.

1.6 QUALITY ASSURANCE

- A. Substitutions: Submit substitutions in accordance with Division 01.
- B. Supplier Qualifications: A recognized architectural hardware supplier, with warehousing facilities in the Project's vicinity, that has a record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that employs an accredited Architectural Hardware Consultant (AHC), who is available to Owner, Architect, and Contractor, at reasonable times during the course of the Work for consultation.
- C. Product Single Source Responsibility: Obtain each type of hardware (latch and locksets, hinges, closers, etc.) from a single manufacturer.
- D. Supplier Single Source Responsibility: Procure hardware for all doors from a single supplier.
- E. Electronic Security Hardware: When electrified hardware is included in the hardware specification, the hardware supplier must employ an individual knowledgeable in electrified components and systems, who is capable of producing wiring diagrams and consulting as needed. Coordinate installation of the electronic security hardware with the Architect and electrical engineers and provide installation and technical data to the Architect and other related sub-contractor. Upon completion of electronic security hardware installation, verify that all components are working properly, and state in the required guarantee that this inspection has been performed.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Tag each item or package separately with door number and corresponding hardware heading number as approved hardware submittal. Include basic installation instructions with each item or package.
- B. Each article of hardware shall be individually packaged in manufacturer's original packaging.

- C. Contractor will provide secure lock-up for door hardware delivered to the Project, but not yet installed. Control handling and installation of hardware items so that completion of the Work will not be delayed by hardware losses both before and after installation.
- D. Items damaged in shipment shall be replaced promptly and with proper material and paid for by whomever did the damage or caused the damage to occur.
- E. All the hardware shall be handled at this project in a manner to avoid damage, marring or scratching. Any irregularities that occur to the hardware after it has been delivered to the project shall be corrected, replaced, or repaired by the Contractor at their expense. All hardware items shall be protected against malfunction due to paint, solvent, cleanser, or any chemical agent.
- F. No direct shipments will be allowed unless approved by the Contractor.

1.8 WARRANTY

- A. Starting date for warranty periods to be date of manufacture of that hardware item.
- B. No liability is to be assumed where damage or faulty operation is due to improper installation, improper usage, or abuse.
- C. Provide guarantee from hardware supplier as follows:
 - 1. Hinges: Limited Lifetime.
 - 2. Closers: Limited Lifetime.
 - 3. Locksets: Ten (10) years.
 - 4. Exit Devices: Five (5) years; except electrified hardware, one (1) year.
 - 5. All other Hardware: One (1) year.
- D. Products judged to be defective during the warranty period shall be replaced or repaired in accordance with the manufacturer's warranty, at no additional cost to the Owner.

1.9 MAINTENANCE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Approval of manufacturers other than those listed shall be in accordance with Paragraph 1.6A.
- B. Note that even though an acceptable substitute manufacturer may be listed, the product must provide all the functions and features of the specified product or it will not be approved.
- C. Hand of Door: Drawings show direction of slide, swing, or hand of each door leaf. Furnish each item of hardware for proper installation and operation of door movement as shown.

- D. Where the exact types of hardware specified are not adaptable to the finished shape or size of the members requiring hardware, furnish suitable types having as nearly as possible the same operation and quality as the type specified, subject to Architect's approval.

2.2 MATERIALS

A. Fasteners:

1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
2. Furnish screws for installation with each hardware item. Finish exposed (exposed under any condition) screws to match hardware finish or, if exposed in surfaces of other work, to match finish of this other work as closely as possible including "prepared for paint" surfaces to receive painted finish.
3. Provide concealed fasteners for hardware units that are exposed when door is closed except to the extent that no standard units of type specified are available with concealed fasteners. Do not use thru bolts for installation where bolt head or nut on opposite face is exposed in other work unless their use is the only means of reinforcing the work adequately to fasten the hardware securely.
4. All hardware shall be installed with the fasteners provided by the hardware manufacturer.

2.3 HINGES

- A. Provide five-knuckle, concealed bearing hinges of type, material, and height as outlined in the following guide for this specification:
- B. 1-3/4-inch-thick doors, up to and including 36 inches wide:
1. Exterior: standard weight, stainless steel, 4-1/2 inches high
 2. Interior: standard weight, steel, 4-1/2 inches high
- C. 1-3/4-inch-thick doors over 36 inches wide:
1. Exterior: heavy weight, stainless steel, 5 inches high
 2. Interior: heavy weight, steel, 5 inches high
- D. Provide three hinges per door leaf for doors 90 inches or less in height, and one additional hinge for each 30 inches of additional door height.
- E. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
1. Steel Hinges: Steel pins
 2. Non-Ferrous Hinges: Stainless steel pins
 3. Out-Swinging Exterior Doors: Non-removable pins
 4. Out-Swinging Interior Lockable Doors: Non-removable pins
 5. Interior Non-lockable Doors: Non-rising pins

- F. The width of hinges shall be 4-1/2 inches at 1-3/4-inch-thick doors, and 5 inches at 2 inches or thicker doors. Adjust hinge width as required for door, frame, and/or wall conditions to allow proper degree of opening.
- G. Acceptable manufacturers and/or products: Stanley CB series, Hager AB series, and McKinney TCA/T4CA series.

2.4 ALUMINUM GEARED CONTINUOUS HINGES

- A. Provide aluminum geared continuous hinges conforming to ANSI A156.25, Grade 2.
- B. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum, with .25-inch diameter Teflon coated stainless steel hinge pin.
- C. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
- D. Hinges shall be capable of supporting door weights up to 450 pounds and shall be successfully tested for 1,500,000 cycles.
- E. On fire-rated doors, provide aluminum geared continuous hinges that are classified for use on rated doors by a testing agency acceptable to the authority having jurisdiction.
- F. Provide aluminum geared continuous hinges with electrified option where specified. Provide with sufficient number and gage of concealed wires to accommodate electric function of specified hardware.
- G. Install hinges with fasteners supplied by manufacturer. Hole pattern shall be symmetrically patterned.
- H. Acceptable manufacturers and/or products: Stanley 661HD series, Select SL11HD series.

2.5 FLUSH BOLTS

- A. Provide automatic and manual flush bolts with forged bronze face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12-inch steel or brass rods at doors up to 90 inches in height. Top rods at manual flush bolts for doors over 90 inches in height shall be increased by 6 inches for each additional 6 inches of door height. Provide dust-proof strikes at each bottom flush bolt.
- B. Acceptable manufacturers and/or products: Trimco, Burns, Don-Jo Mfg.

2.6 CYLINDRICAL LOCKS - GRADE 1

- A. Provide cylindrical locks conforming to ANSI A156.2 Series 4000, Grade 1. Cylinders: Refer to 2.04 KEYING.
- B. Provide locks with a standard 2-3/4 inches backset, unless noted otherwise, with a 1/2-inch latch throw. Provide proper latch throw for UL listing at pairs.

- C. Provide locksets with a separate anti-rotation through bolts and shall have no exposed screws. Levers shall operate independently and shall have two external return spring cassettes mounted under roses to prevent lever sag.
- D. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
- E. Lever trim shall be solid cast levers without plastic inserts, and wrought roses on both sides. Locksets shall be thru bolted to assure proper alignment.
 - 1. Lever design shall be Best 14D.
 - 2. Lever trim on the secure side of doors serving rooms considered by the authority having jurisdiction to be hazardous shall have a tactile warning.
- F. Acceptable manufacturers and/or products: Best 9K series.

2.7 EXIT DEVICES

- A. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1, and UL listed for Panic Exit and/or Fire Exit Hardware.
- B. Provide touchpad type exit devices, fabricated of stainless steel, plated to the standard architectural finishes to match the balance of the door hardware.
- C. Touchpad shall extend a minimum of one half of the door width, but not the full length of the exit device rail.
- D. Devices to incorporate a dead latching feature.
- E. Provide manufacturer's standard strikes.
- F. Provide exit devices cut to door width and height. Locate exit devices at a height recommended by the exit device manufacturer, allowable by governing building codes, and approved by the Architect.
- G. Removable mullions shall be a 2 inches x 3 inches steel tube. Where scheduled, mullion shall be of a type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
- H. Where lever handles are specified as outside trim for exit devices, provide heavy-duty lever trims with forged or cast escutcheon plates.
 - 1. Lever style will match the lever style of the locksets.
- I. Exit devices for fire rated openings shall be UL labeled fire exit hardware.
- J. Provide electrical options as scheduled.
- K. Acceptable manufacturers and/or products: Precision Apex series.

2.8 POWER SUPPLIES

- A. Provide power supplies, recommended, and approved by the manufacturer of the electrified locking component, for the operation of electrified locks, electrified exit devices, magnetic locks, electric strikes, and other components requiring a power supply.

- B. Provide the appropriate quantity of power supplies necessary for the proper operation of the electrified locking component and/or components as recommended by the manufacturer of the electrified locking components with consideration for each electrified component utilizing the power supply, the location of the power supply, and the approved wiring diagrams. Locate the power supplies as directed by the Architect.
- C. Provide a power supply that is regulated and filtered 24 VDC, or as required, and UL class 2 listed.
- D. Provide a power supply complete requiring only 120VAC to the fused input and shall be supplied in an enclosure.
- E. Provide a power supply with emergency release terminals, where required, that allow the release of all devices upon activation of the fire alarm system complete with fire alarm input for initiating "no delay" exiting mode.

2.9 DOOR CLOSERS

- A. Provide door closers certified to ANSI/BHMA A156.4 Grade 1 requirements by a BHMA certified independent testing laboratory. Door closers shall have fully hydraulic, full rack and pinion action with a high strength cast iron cylinder. Cylinder body shall be 1-1/2-inch diameter.
- B. Provide hydraulic fluid requiring no seasonal closer adjustment. Fluid shall be fireproof and shall pass the requirements of the UL10C "positive pressure" fire test.
- C. Spring power shall be continuously adjustable over the full range of closer sizes and allow for reduced opening force as required by accessibility codes and standards. Closers shall have separate adjustment for latch speed, general speed, and backcheck.
- D. Provide closers with heavy-duty forged forearms for parallel arm closers.
- E. Closers shall not incorporate Pressure Relief Valve (PRV) technology.
- F. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other finish hardware items interfering with closer mounting.
- G. Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Closers shall not be visible in corridors, lobbies and other public spaces unless approved by Architect.
- H. Door closers meeting this specification: Stanley Commercial Hardware QDC100 series.

2.10 PROTECTION PLATES

- A. Provide kick plates, and armor plates, minimum of 0.050 inch thick as scheduled. Furnish with machine or wood screws, finished to match plates. Sizes of plates shall be as follows:
 - 1. Kick Plates – 10 inches high x 2 inches less width of door on single doors, 1 inch less width of door on pairs
 - 2. Armor Plates – 36 inches high x 2 inches less width of door on single doors, 1 inch less width of door on pairs
- B. Acceptable manufacturers and/or products: Trimco, Burns, Don-Jo Mfg.

2.11 OVERHEAD STOPS

- A. Provide medium duty surface overhead stop for interior doors as specified. Provide medium duty surface mounted overhead stop for interior doors and at any door that swings more than 140 degrees before striking a wall, open against equipment, casework, sidelights, and/or where conditions do not allow a wall stop, or a floor stop presents a tripping hazard.
- B. Acceptable manufacturers and/or products: Dorma, ABH Manufacturing, Glynn-Johnson.

2.12 DOOR STOPS AND HOLDERS

- A. It shall be the responsibility of the hardware supplier to provide door stops for all doors in accordance with the following requirements:
 - 1. Use wall stops wherever possible, only on CMU walls.
 - 2. Where wall bumpers cannot be used, provide dome type floor stops of the proper height.
 - 3. At any opening where a wall or floor stop cannot be used, a heavy-duty overhead stop will be required.
- B. Acceptable manufacturers and/or products: Trimco, Don-Jo Mfg., Burns.

2.13 GASKETING

- A. Provide gasketing as specified.
- B. Acceptable manufacturers and/or products: National Guard, Zero, Reese.

2.14 SILENCERS

- A. Furnish "push-in" type silencers for each hollow metal or wood frame, three (3) for each single frame, two (2) for each pair frame. Omit where gasketing is scheduled.
- B. Acceptable manufacturers and/or products: Trimco, Don-Jo Mfg., Burns.

2.15 FINISHES

- A. With the exception of items listed below, the finish of hardware items shall be US26D - satin chrome.
- B. Exceptions are as follows:
 - 1. Aluminum Geared Continuous Hinges: US28 (BHMA 628).
 - 2. Exit Devices: US32D (BHMA 630).
 - 3. Protection Plates: US32D (BHMA 630).
 - 4. Overhead Stops: Painted to Match.
 - 5. Door Closers: Powder Coat to Match.
 - 6. Weatherstripping: Clear Anodized Aluminum.
 - 7. Thresholds: Mill Finish Aluminum.

2.16 CYLINDERS AND KEYING

- A. Provide a key system conforming to the Owner's existing key system and the following requirements:
- B. Provide removable core cylinders at all keyed devices. The contractor will install contractor cores for the duration of the project. The general contractor will supply both the contractor cores and the final key cores. The temporary construction cores are to be returned to the manufacturer.
- C. The manufacturers' agent shall meet with Owner and Architect to review keying requirements and lock functions prior to ordering finish hardware. Submit a keying schedule to Architect for approval.
- D. Provide keys as follows:
 - 1. Three keys per core and/or cylinder.
 - 2. Two construction core control keys
 - 3. Two permanent core control keys
 - 4. Six construction master keys for each type (Contractor is to provide one set of construction keys to Architect)
- E. Visual key control:
 - 1. Keys shall be stamped with their respective key set number and stamped "DO NOT DUPLICATE".
 - 2. Grand master and master keys shall be stamped with their respective key set letters.
 - 3. Do not stamp any keys with the factory key change number.
 - 4. Do not stamp any cores with key set on face (front) of Core. Stamp on back or side of cores so not to be visible when core is in cylinder.
- F. Deliver change keys, and/or key blanks from the factory or directly to the Owner in sealed containers, return receipt requested. Failure to comply with these requirements may be caused to require replacement of all or any part of the keying system that was compromised at no additional cost to the Owner.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Prior to installation of any hardware, examine doors, frames, walls, and related items for conditions that would prevent proper installation of finish hardware. Correct defects prior to proceeding with installation.
- B. Pre-Installation Conference: Prior to the installation of hardware, manufacturer's representatives for locksets, closers, and exit devices shall arrange and hold a jobsite meeting to instruct the installing contractor's personnel on the proper installation of their respective products. A letter of compliance, indicating when the meeting was held and who was in attendance, shall be sent to Architect and Owner.

3.2 INSTALLATION

- A. Hardware shall be installed by qualified tradesmen skilled in application of commercial grade hardware. For technical assistance if necessary, installers may contact manufacturer's representative for the item in question, as listed in the hardware schedule.
- B. Mount hardware units at heights indicated in "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute.
- C. Install each hardware item in compliance with the manufacturer's instructions and recommendations, using only the fasteners provided by the manufacturer.
- D. Do not install surface mounted items until finishes have been completed on the substrate. Protect installed hardware during painting.
- E. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
- F. Operating parts shall move freely and smoothly without binding, sticking, or excessive clearance.
- G. Set thresholds for exterior doors in full bed of butyl rubber or polyisobutylene mastic sealant complying with requirements specified in Section 07 92 00.

3.3 ADJUSTING, CLEANING AND DEMONSTRATING

- A. Adjust and check each operating item of hardware and each door, to insure proper operation or function of every unit. Replace units that cannot be adjusted to operate freely and smoothly.
- B. Where door hardware is installed more than one (1) month prior to acceptance or occupancy of a space or area, return to the installation during the week prior to acceptance or occupancy and make a final check and adjustment of hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to compensate for final operation of heating and ventilating equipment.
- C. Clean adjacent surfaces soiled by hardware installation. Remove bulk trash from the building, clean up any dust/debris caused by the installation of hardware.
- D. Instruct Owner's personnel in the proper adjustment, lubrication, and maintenance of door hardware and hardware finishes.

3.4 FIELD QUALITY CONTROL

- A. At completion of the project, a qualified factory representative for the manufacturers of locksets, closers, and exit devices shall inspect installations of their products. After the inspections, a letter shall be sent to the Architect reporting on conditions, verifying that their respective products have been properly installed and adjusted.
- B. Six-Month Adjustment: Approximately six months after the date of Substantial Completion, the installer, accompanied by representatives of the manufacturers of latch sets and locksets, door control devices, and of other major hardware suppliers, shall return to the Project to perform the following work:

1. Examine and re-adjust each item of door hardware as necessary to restore function of doors and hardware to comply with specified requirements.
2. Consult with and instruct Owner's personnel in recommended additions to the maintenance procedures.
3. Replace hardware items that have deteriorated or failed due to faulty design, materials, or installation of hardware units.
4. Prepare a written report of current and predictable problems (of substantial nature) in the performance of the hardware.

3.5 PROTECTION

- A. Provide for the proper protection of items of hardware until Owner accepts the project as complete. Damaged or disfigured hardware shall be replaced or repaired by the responsible party.

3.6 HARDWARE SCHEDULE

- A. Provide hardware for each door to comply with requirements of hardware set numbers indicated in door schedule, and in the following schedule of hardware sets.
- B. It is intended that the following schedule includes all items of finish hardware necessary to complete the work. If a discrepancy is found in the schedule, such as a missing item, improper hardware for a frame, door or fire codes, the preamble will be the deciding document.
- C. Hardware sets:

SET #01 – PAIR AT STORAGE – STOREROOM LOCK

6	Butt Hinge	CB179 NRP SERIES AS SPECIFIED	26D	ST
2	Manual Flushbolt	3917-12	626	TR
1	Storeroom Lock	9K3-7D14D 7/8" LTC	626	BE
2	Overhead Stop	700S	689	DM
2	Door Silencers	1229A	GREY	TR

SET #02 – PAIR AT CYBER LOBBY – CARD READER

5	Butt Hinge	CB179 NRP SERIES AS SPECIFIED	26D	ST
1	Butt Hinge – Electric	CE-18 CB179 SERIES AS SPECIFIED	26D	ST
1	Set - Automatic Flush Bolt	3810 X 3810	626	TR
1	Electric Lock	9KW3-7DEU14D RQE 7/8" LTC	626	BE
1	Coordinator	3094B2	Silver	TR
2	Door Closer	QDC113 R	689	SH
2	Kick Plate	K0050 10" X 1" LDW B4E-HEAVY-KP CSK	630	TR
3	Door Silencers	1229A	GREY	TR
1	Power Supply	DKPS-2A		RC
1	Card Reader	PROVIDED/SPECIFIED BY SECURITY VENDOR		
1	Door Contact	PROVIDED/SPECIFIED BY SECURITY VENDOR		

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.

OPERATIONAL DESCRIPTION:

IMMEDIATE EGRESS ALWAYS ALLOWED. ACCESS BY KEY OR CARD. REQUEST TO EXIT AND DOOR CONTACT SWITCHES TO BE CONNECTED TO BUILDING'S SECURITY SYSTEM. UPON POWER FAILURE ACCESS ONLY BY KEY.

SET #03 - SINGLE AT CYBER ROOM – PUSH PULL

1 Continuous Hinge	661HD	AL	ST
1 St Push/Pull Bars	1746 X LENGTH AS REQUIRED	630	TR
1 Roller Latch	1704	626	DO
1 Overhead Stop	910S	689	DM

SET #04 – PAIR AT MULTI-PURPOSE – CLASSROOM LOCK

6 Butt Hinge	CB179 SERIES AS SPECIFIED	26D	ST
2 Manual Flushbolt	3917-12	626	TR
1 Classroom Lock	9K3-7R14D 7/8" LTC	626	BE
1 Closer	QDC111 BF R REG MOUNT @ ACT LEAF	689	SH
2 Overhead Stop	910S	689	DM
2 Kick Plate	K0050 10" X 1" LDW B4E-HEAVY-KP CSK	630	TR
2 Door Silencers	1229A	GREY	TR

SET #05 – SINGLE AT MULTI-PURPOSE – CLASSROOM LOCK

3 Butt Hinge	CB179 SERIES AS SPECIFIED	26D	ST
1 Classroom Lock	9K3-7R14D	626	BE
1 Closer	QDC113 BF R REG MOUNT	689	SH
1 Kick Plate	K0050 10" X 2" LDW B4E-HEAVY-KP CSK	630	TR
3 Door Silencers	1229A	GREY	TR

SET #06 – SINGLE AT G/NEUTRAL SHOWER – PRIVACY LATCH

3 Butt Hinge	CB179 SERIES AS SPECIFIED	26D	ST
1 Privacy Latch w/Indicator	M1047 LCB	626	DM
1 Closer	QDC111 BF R REG MOUNT	689	SH
1 Overhead Stop	910S	689	DM
1 Kick Plate	K0050 10" X 2" LDW B4E-HEAVY-KP CSK	630	TR
3 Door Silencers	1229A	GREY	TR

SET #07 – SINGLE AT STORAGE – STOREROOM LOCK

3 Butt Hinge	CB179 SERIES AS SPECIFIED	26D	ST
1 Storeroom Lock	9K3-7D14D	626	BE
1 Closer	QDC111 BF R REG MOUNT	689	SH
1 Door Stop	1211/1270CV AS REQUIRED	626	TR
1 Kick Plate	K0050 10" X 2" LDW B4E-HEAVY-KP CSK	630	TR
3 Door Silencers	1229A	GREY	TR

SET #08 – SINGLE AT STAIR – PANIC DEVICE PASSAGE FUNCTION

3 Butt Hinge	CB179 SERIES AS SPECIFIED	26D	ST
1 Fire Panic Device	FL2114 x 4914D	630	PR
1 Closer	QDC111 BF R REG MOUNT	689	SH
1 Door Stop	1211/1270CV AS REQUIRED	626	TR
1 Kick Plate	K0050 10" X 2" LDW B4E-HEAVY-KP CSK	630	TR
1 St Smoke Seal	5050B X HEAD AND JAMBS		NA

SET #09 - PAIR AT MULTI-PURPOSE K-12 – PANIC DEVICE CLASSROOM FUNCITON

6 Hinges	CB168 NRP SERIES AS SPECIFIED	US26D	ST
1 Exit Device	2203 X 4903D CD LBR	630	PR
1 Exit Device	2201 X 4903D CD LBR	630	PR
1 Rim Cylinder	AS REQUIRED	626	BE
2 Mortise Cylinder	AS REQUIRED	626	BE
2 Door Closer	QDC115 BF R	689	SH
2 Kick Plate	K0050 10" X 1" LDW B4E-HEAVY-KP CSK	630	TR

2 Door Stop	1211/1270CV AS REQUIRED	626	TR
2 Door Silencers	1229A	GREY	TR

SET #10 – ETR DOOR – NEW AUTOMATIC OPERATOR

1 Electric Strike	0162 24VDC Fail Secure	US32D	RCI
1 Automatic Operator	Specified in Section 087113		

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.
ELECTRIC STRIKE TO BE POWERED BUY AUTOMATIC OPERATOR.
PUSH BUTTONS TO BE TIED INTO ACCESS CONTROL SYSTEM TO CONTROL WHEN ACCESS TO SPACE IS RESTRICTED.

SET #11 – ETR STAIR DOOR – LOCAL ALARM

1 Fire Panic Device	FL2103 X E4908D X ALW	630	PR
1 Rim Cylinder	AS REQUIRED FOR LEVER TRIM	626	BE
1 Mortise Cylinder	AS REQUIRED FOR ALARM	626	BE
1 Power Supply	DKPS-2A		RC
1 Armored Door Loop	EPT-2		PR
2 Card Reader	PROVIDED/SPECIFIED BY SECURITY VENDOR		
1 Door Contact	PROVIDED/SPECIFIED BY SECURITY VENDOR		

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.
LOCAL ALARM INTEGRAL TO EXIT DEVICE CAN BE ACTIVATED BY CYLINDER ON EXIT DEVICE RAIL. ALARM CAN BE BY-PASSED BY CARD READER OR KEY; EGRESS THROUGH DOOR WITHOUT CARD OR KEY WILL ACTIVATE ALARM; ALARM WILL SOUND UNTIL DE-ACTIVATED BY KEY ON EXIT DEVICE RAIL. THERE IS NO DELAY FOR EGRESS ONLY ALARM.

SET #12 – ETR EXTERIOR DOOR

2 Continuous Hinge	661HD	AL	ST
1 Door Contact	PROVIDED/SPECIFIED BY SECURITY VENDOR		

REMAINDER OF HARDWARE EXISTING TO REMAIN.

SET #13 – ETR DOOR – NEW CARD READER

1 Electric Strike	0162 24VDC Fail Secure	US32D	RCI
1 Power Supply	DKPS-2A		RC
1 Card Reader	PROVIDED/SPECIFIED BY SECURITY VENDOR		
1 Door Contact	PROVIDED/SPECIFIED BY SECURITY VENDOR		

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.
EGRESS ALWAYS POSSIBLE BY EXISTING EXIT DEVICE; ACCESS BY KEY OR CARD READER.
CONFIRM DOOR IS ALWAYS LOCKED ON PULL SIDE; CONFIRM ELECTRIC STRIKE SPECIFIED IS COMPATIBLE WITH EXISTING EXIT DEVICE. ADVISE ARCHITECT IF ANY CONFLICTS PRIOR TO ORDERING HARDWARE.

SET #14 - EXTERIOR - PAIR - ENTRY – CARD READER

2 Continuous Hinge	661HD UL W/EPT PREP	AL	ST
1 Removable Mullion	KR 822	600	PR
1 Exit Device	C MLR TS 2103 X 1703 LD	630	PR
1 Exit Device	C MLR TS 2102 X 1701 LD	630	PR
1 Rim Cylinder	AS REQUIRED	626	BE
1 Mortise Cylinder	AS REQUIRED FOR MULLION	626	BE
2 Door Closer	QDC113 R	689	SH
2 Drop Plate/Spacers/Brackets	AS REQUIRED	689	SH
2 Kick Plate	K0050 10" X 2" LDW B4E-HEAVY-KP CSK	630	TR
1 Card Reader	PROVIDED/SPECIFIED BY SECURITY VENDOR		

2 Door Contact	PROVIDED/SPECIFIED BY SECURITY VENDOR		
1 Power Supply	RPSMLR2		PR
2 Power Transfer	EPT-12C		PR
2 Harness	WH-192		ST
2 Harness	WH-6E		ST
2 Harness	WHXX-P (LENGTH AS REQUIRED)		ST
2 Door Sweep	C627 A (DOOR WIDTH)		NA
1 Door Seals	706E X HEAD AND JAMBS	AL	NA
1 Mullion Seal	5100 X MULLION HEIGHT		NA
1 Threshold - Bumper Seal	1/2" HIGH X JAMB DEPTH X OPENING WIDTH	AL	NA
	- PAIR		

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.

OPERATIONAL DESCRIPTION:

IMMEDIATE EGRESS ALWAYS ALLOWED. ACCESS BY KEY OR BY CARD READER. CARD READER WILL RETRACT EXIT DEVICE LATCHBOLTS AND ALLOW ACCESS. REQUEST TO EXITS AND DOOR CONTACTS TO BE CONNECTED TO BUILDING'S SECURITY SYSTEM.

SET #15 - EXTERIOR - SINGLE - ENTRY – CARD READER

1 Continuous Hinge	661HD	AL	ST
1 Exit Device	C MLR TS 2103 X 1703 LD	630	PR
1 Rim Cylinder	AS REQUIRED	626	BE
1 Door Closer	QDC113 R	689	SH
1 Drop Plate/Spacers/Brackets	AS REQUIRED	689	SH
1 Card Reader	PROVIDED/SPECIFIED BY SECURITY VENDOR		
1 Door Contact	PROVIDED/SPECIFIED BY SECURITY VENDOR		
1 Power Supply	RPSMLR2		PR
1 Power Transfer	EPT-12C		PR
1 Harness	WH-192		ST
1 Harness	WH-6E		ST
1 Harness	WHXX-P (LENGTH AS REQUIRED)		ST
1 Door Sweep	C627 A (DOOR WIDTH)		NA
1 Door Seals	706E X HEAD AND JAMBS	AL	NA
1 Threshold - Bumper Seal	1/2" HIGH X JAMB DEPTH X OPENING WIDTH	AL	NA
	- PAIR		

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.

OPERATIONAL DESCRIPTION:

IMMEDIATE EGRESS ALWAYS ALLOWED. ACCESS BY KEY OR BY CARD READER. CARD READER WILL RETRACT EXIT DEVICE LATCHBOLTS AND ALLOW ACCESS. REQUEST TO EXITS AND DOOR CONTACTS TO BE CONNECTED TO BUILDING'S SECURITY SYSTEM.

SET #16 - EXTERIOR – UNEQUAL PAIR - ENTRY – CARD READER

2 Continuous Hinge	661HD UL ONE WITH EPT PREP	AL	ST
1 Exit Device	C MLR TS 2303 X 1703 LD	630	PR
1 St Flush Bolts	3917 x 3910	626	TR
2 Door Closer	QDC113 R	689	SH
2 Drop Plate/Spacers/Brackets	AS REQUIRED	689	SH
2 Kick Plate	K0050 10" X 2" LDW B4E-HEAVY-KP CSK	630	TR
1 Card Reader	PROVIDED/SPECIFIED BY SECURITY VENDOR		
2 Door Contact	PROVIDED/SPECIFIED BY SECURITY VENDOR		
1 Power Supply	RPSMLR2		PR
2 Power Transfer	EPT-12C		PR
2 Harness	WH-192		ST
2 Harness	WH-6E		ST

2	Harness	WHXX-P (LENGTH AS REQUIRED)		ST
2	Door Sweep	C627 A (DOOR WIDTH)		NA
1	Door Seals	706E X HEAD AND JAMBS	AL	NA
1	Threshold	RE-USE EXISTING		

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.

OPERATIONAL DESCRIPTION:

IMMEDIATE EGRESS ALWAYS ALLOWED. ACCESS BY KEY OR BY CARD READER. CARD READER WILL RETRACT EXIT DEVICE LATCHBOLT AND ALLOW ACCESS. REQUEST TO EXIT AND DOOR CONTACTS TO BE CONNECTED TO BUILDING'S SECURITY SYSTEM.

SET #17 - EXTERIOR - SINGLE – EXIT ONLY ** ALTERNATE 1 **

1	Continuous Hinge	661HD	AL	ST
1	Exit Device	2101 LD	630	PR
1	Door Closer	QDC113 R	689	SH
1	Drop Plate/Spacers/Brackets	AS REQUIRED	689	SH
1	Door Contact	PROVIDED/SPECIFIED BY SECURITY VENDOR		
1	Door Sweep	C627 A (DOOR WIDTH)		NA
1	Door Seals	706E X HEAD AND JAMBS	AL	NA
1	Threshold - Bumper Seal	1/2" HIGH X JAMB DEPTH X OPENING WIDTH	AL	NA

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.

DOOR CONTACT TO BE CONNECTED TO BUILDING'S SECURITY SYSTEM.

SET #18 – GYM PAIR - ETR

1	Door Seals	706E X HEAD AND JAMBS	AL	NA
1 St	Meeting Stile Seal	115N X DOOR HEIGHT	AL	NA
2	Door Sweep	200N X DOOR WIDTH	AL	NA

REMAINDER OF HARDWARE EXISTING TO REMAIN.

SET #19 - EXTERIOR - SINGLE – EXIT ONLY

1	Continuous Hinge	661HD	AL	ST
1	Exit Device	2101 LD	630	PR
1	Door Closer	QDC113 R	689	SH
1	Drop Plate/Spacers/Brackets	AS REQUIRED	689	SH
1	Door Contact	PROVIDED/SPECIFIED BY SECURITY VENDOR		
1	Door Sweep	C627 A (DOOR WIDTH)		NA
1	Door Seals	706E X HEAD AND JAMBS	AL	NA
1	Threshold - Bumper Seal	1/2" HIGH X JAMB DEPTH X OPENING WIDTH	AL	NA

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.

DOOR CONTACT TO BE CONNECTED TO BUILDING'S SECURITY SYSTEM.

SET #20 – SECURE VESTIBULE PAIR AT ENTRY – CARD READER

2	Continuous Hinge	661HD UL W/EPT PREP	AL	ST
1	Removable Mullion	KR 822	600	PR
1	Exit Device	C MLR TS 2103 X 1703 LD	630	PR
1	Exit Device	C MLR TS 2102 X 1701 LD	630	PR
1	Rim Cylinder	AS REQUIRED	626	BE
1	Mortise Cylinder	AS REQUIRED FOR MULLION	626	BE
2	Door Closer	QDC113 R	689	SH
2	Drop Plate/Spacers/Brackets	AS REQUIRED	689	SH
2	Kick Plate	K0050 10" X 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Card Reader	PROVIDED/SPECIFIED BY SECURITY VENDOR		
2	Door Contact	PROVIDED/SPECIFIED BY SECURITY VENDOR		

1	Power Supply	RPSMLR2		PR
2	Power Transfer	EPT-12C OR EPT-5		PR
2	Harness	WH-192		ST
2	Harness	WH-6E		ST
2	Harness	WHXX-P (LENGTH AS REQUIRED)		ST
2	Door Sweep	200N (DOOR WIDTH)		NA
1	Door Seals	5050 X HEAD AND JAMBS	b	NA
1	Mullion Seal	5100 X MULLION HEIGHT		NA

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.

OPERATIONAL DESCRIPTION:

IMMEDIATE EGRESS ALWAYS ALLOWED. ACCESS BY KEY OR BY CARD READER. CARD READER WILL RETRACT EXIT DEVICE LATCHBOLTS AND ALLOW ACCESS. REQUEST TO EXITS AND DOOR CONTACTS TO BE CONNECTED TO BUILDING'S SECURITY SYSTEM.

PROVIDE EPT-5 DOOR CORD ONLY IF WIRES CANNOT BE CONCEALED IN FRAME

END OF SECTION 08 71 00

ABBREVIATIONS:

A/C	AIR CONDITION	EA	EACH	HTR	HEATER	OW	OPERABLE WALL
ACT	ACOUSTICAL TILE	EF	EACH FACE	HVAC	HEATING, VENTILATING, AIR CONDITIONING	PART BD	PARTICLE BOARD
AFF	ABOVE FINISH FLOOR	EIFS	EXTERIOR INSULATED FINISH SYSTEM	PCP	PRECAST CONCRETE FLANK	PERIM	PERIMETER
ALT	ALTERNATE	EJ	EXPANSION JOINT	PL	PLASTER or PROPERTY LINE	PERM	PERIMETER
ALUM	ALUMINUM	EL	ELEVATION	PLAM	PLASTIC LAMINATE	PL	PLASTER or PROPERTY LINE
ANG BLT	ANCHOR BOLT	ELEC	ELECTRIC	PLAS	PLASTIC	PLND	PLYWOOD
APPROX	APPROXIMATE	ELEV	ELEVATOR	PMJF	PREMOLDED JOINT FILLER	PNT	PAINT
ARCH	ARCHITECT	EMER	EMERGENCY ENCLOSURE	PNTD	PAINTED	PR	PAIR
ARGB	ABUSE RESISTANT GB	ENCL	ENCLOSURE	PREFIN	PREFINISHED	PSF	POUNDS PER SQUARE FOOT
ASPH	ASPHALT	EOC	EDGE OF CONCRETE ELECTRICAL PANEL	PT	PRESSURE TREATED	PTD	PAPER TOWEL DISPENSER
BC	BASE CABINET	EPXY	EPOXY SEALING SYSTEM	PTN	PARTITION	PVC	POLYVINYL CHLORIDE
BD	BOARD	EQ	EQUAL	PVMT	PAVEMENT		
BITUM	BITUMINOUS	EQUIP	EQUIPMENT				
BLDG	BUILDING	ER	EXISTING TO REMAIN				
BLK	BLOCK	ES	EXPOSED STRUCTURE				
BLKG	BLOCKING	EX	EACH WAY				
BM	BENCH MARK	EXH	EXHAUST				
BOF	BOTTOM OF FOOTING	EXIST	EXISTING				
BOTT	BOTTOM	EXP	EXPANSION				
BRG	BEARING	EXPT	EPOXY PAINT				
BRK	BRICK	EXT	EXTERIOR				
BS	BRICK SHELF						
BSMT	BASEMENT						

LEGEND:

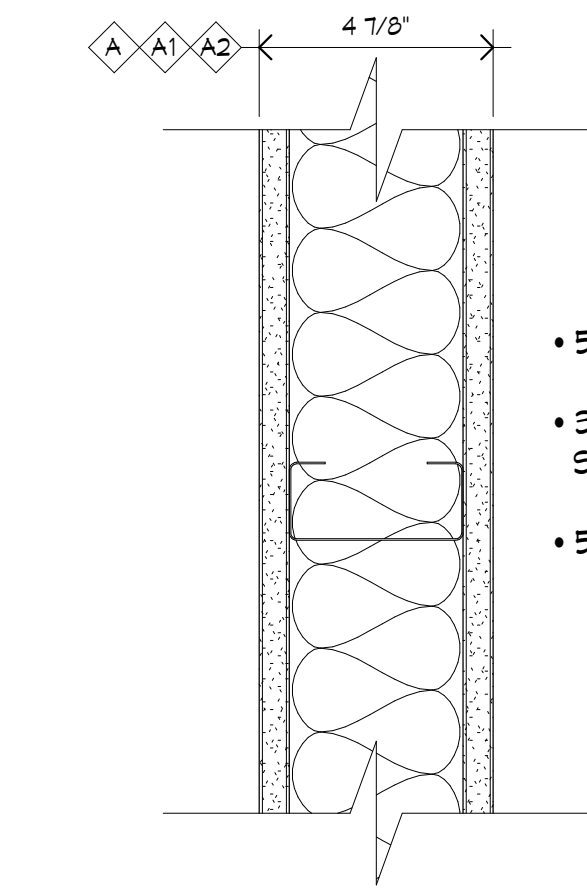
	WALL SECTION or DETAIL or EXTERIOR ELEVATION		CONTROL JOINT
	BUILDING SECTION		COLUMN GRID
	DETAIL		ALIGN SURFACES
	INTERIOR ELEVATION		REVISION MARKER
	WALL TYPE		BATT INSULATION/SOUND ATTENUATION BLANKET
	DOOR TYPE or VISION PANEL (VP)		RIGID/SEMI-RIGID INSULATION
	WINDOW TYPE		CONCRETE
	SPECIFIC DEMOLITION NOTE		PARTICLE BOARD/MDF
	NEW CONSTRUCTION NOTE		PLYWOOD/MDO
	CHANGE IN PLANE		FINISH WOOD
	CHANGE IN ELEVATION		WOOD STUDS/BLOCKING (DIMENSIONAL LUMBER)
	ELEVATION of WORK POINT (WP)		WOOD BLOCKING (NON-DIMENSIONAL LUMBER)

GENERAL NOTES

- ALL FIRE RATED WALLS SHALL EXTEND TIGHT TO UNDERSIDE OF FLOOR/DECK ABOVE. FIRE RATED WALLS SHALL RECEIVE FIRESTOPPING AT THEIR ENTIRE PERIMETER. ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOOR/CEILING ASSEMBLIES, ROOF/CEILING ASSEMBLIES AND DRAFTSTOPPING SHALL BE SEALED WITH AN APPROPRIATE THROUGH
- MAINTAIN INTEGRITY OF FIRE RATED WALL ASSEMBLIES. NON-RATED WALLS SHALL ABUT FIRE RATED WALL ASSEMBLIES SHALL NOT BE INTERRUPTED BY UNPROTECTED OPENINGS, RECESSED EQUIPMENT, OR CASEWORK. RECESSES AND VOIDS SHALL BE BUILT IN SUCH A MANNER AS TO INSURE CONTINUITY OF THE FIRE RATED ASSEMBLY CONSTRUCTION. ALL OPENINGS IN FIRE RATED WALLS SHALL BE PROTECTED WITH DEVICES OR MATERIALS TO MAINTAIN THE
- U.N.O., ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY, FACE OF CONCRETE, OR TO THE CENTERLINE OF COLUMN AS OCCURS. IF "CLEAR" DIMENSION INDICATED CANNOT BE ACHIEVED, TIMELY NOTIFICATION SHALL BE MADE TO THE ARCHITECT SO THAT A DECISION CAN BE CONFIRMED BEFORE PROCEED WITH LAYOUT.
- SEAL ALL OPENINGS/PENETRATIONS IN THE BUILDING ENVELOPE WITH MATERIALS COMPATIBLE WITH THE CONSTRUCTION MATERIALS.
- REFER TO DRAWING 60.01 FOR WALL TYPES, FLOOR AND CEILING ASSEMBLIES, SYMBOLS, LEGEND AND ABBREVIATIONS.
- ALL WALL ASSEMBLIES CONTAINING SOUND ATTENUATION BLANKET SHALL EXTEND TO UNDERSIDE OF FLOOR &/OR ROOF DECK AS OCCURS AND SHALL TERMINATE AGAINST THE DECK. INSTALL CONTINUOUS ACOUSTIC SEALANT AT THE BOTTOM EDGE OF GYPSUM BOARD WHERE IT INTERSECTS WITH THE TOP OF SLAB; TYPICAL AT EACH SIDE OF THE WALL ASSEMBLY. AT WALL ASSEMBLIES WITH MULTIPLE GYPSUM BOARD LAYERS ON EITHER SIDE OF THE WALL ASSEMBLY, INSTALL THE SEALANT AT THE PERIMETER OF THE INNER MOST GYPSUM BOARD LAYER LOCATION.

Wall Types

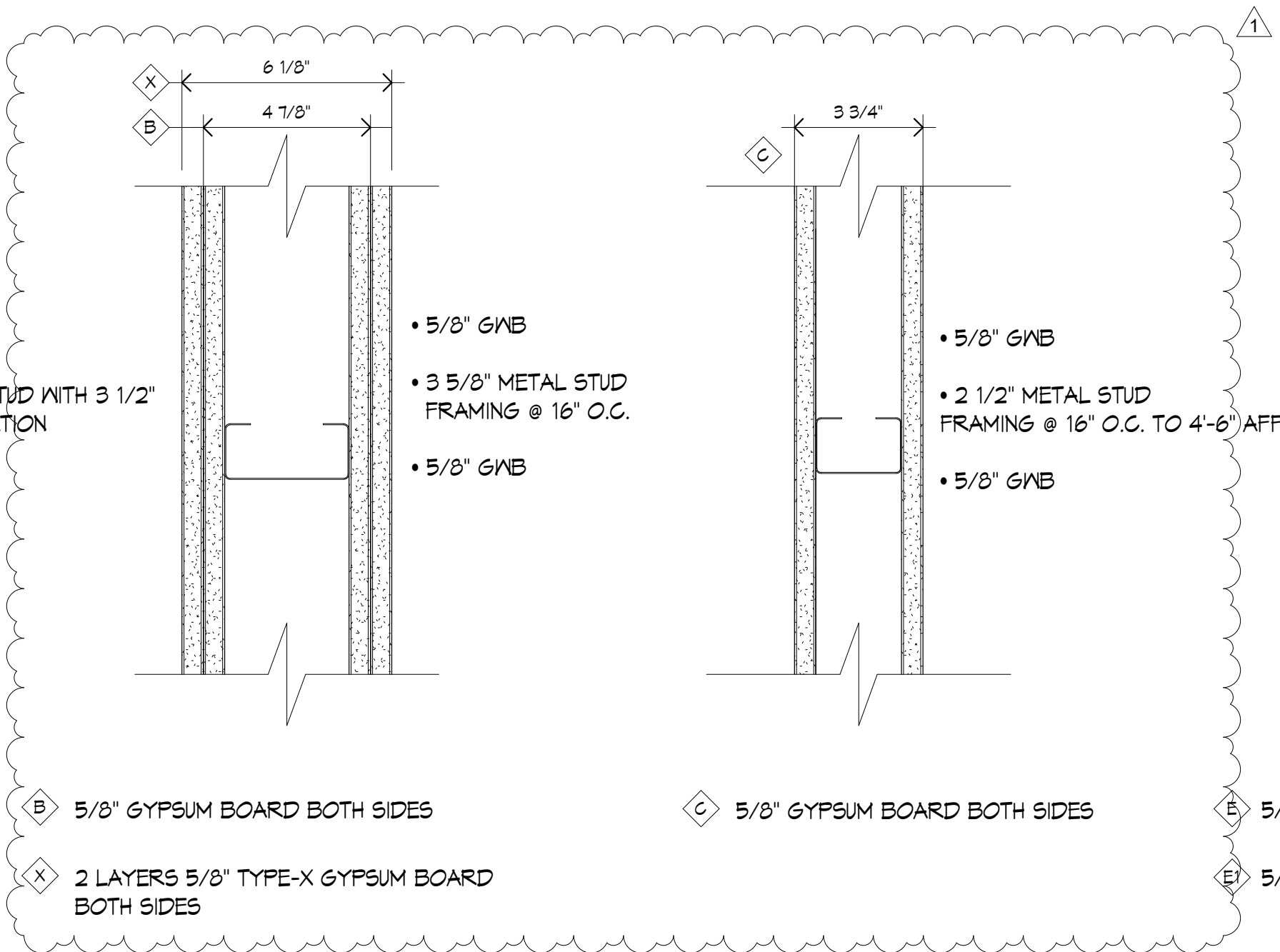
3" = 1'-0"



• 5/8" GNB

• 3 5/8" METAL STUD WITH 3 1/2" SOUND ATTENUATION

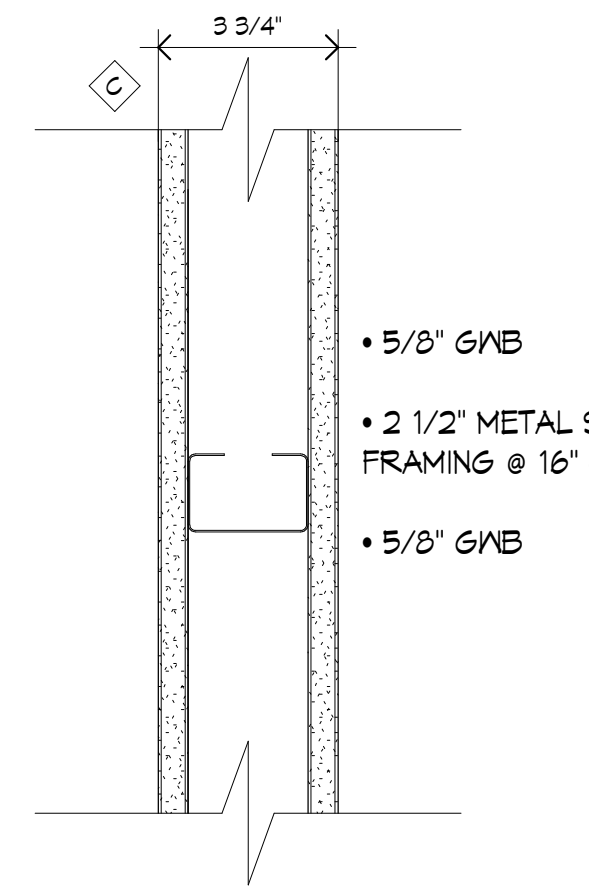
• 5/8" GNB



• 5/8" GNB

• 3 5/8" METAL STUD FRAMING @ 16" O.C.

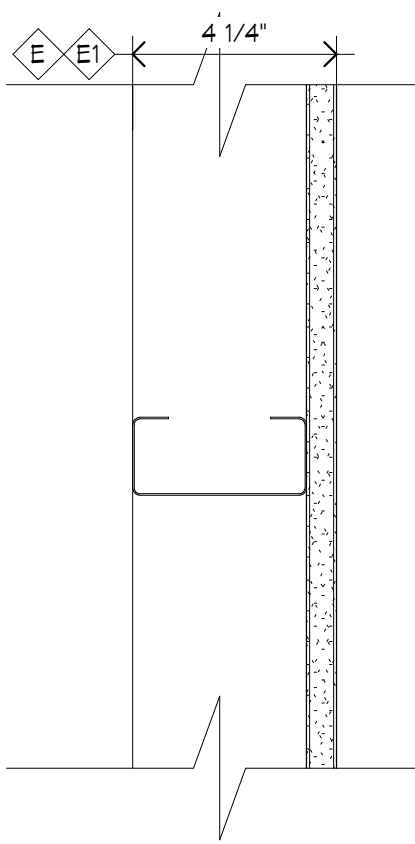
• 5/8" GNB



• 5/8" GNB

• 2 1/2" METAL STUD FRAMING @ 16" O.C. TO 4'-6" AFF

• 5/8" GNB



• 5/8" GNB

• 3 5/8" METAL STUD FRAMING @ 16" O.C.

• 5/8" GNB

◊ 5/8" GYPSUM BOARD BOTH SIDES

◊ 5/8" MOISTURE RESISTANT GYPSUM BOARD BOTH SIDES

◊ 5/8" GYPSUM BOARD ON ONE SIDE AND 5/8" MOISTURE RESISTANT GYPSUM BOARD ON THE NET SIDE

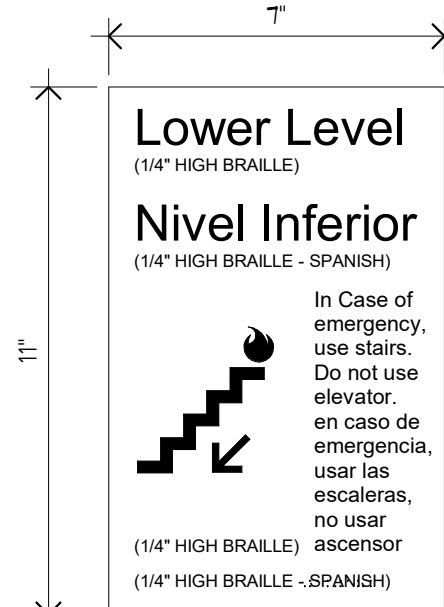
Signage

3" = 1'-0"



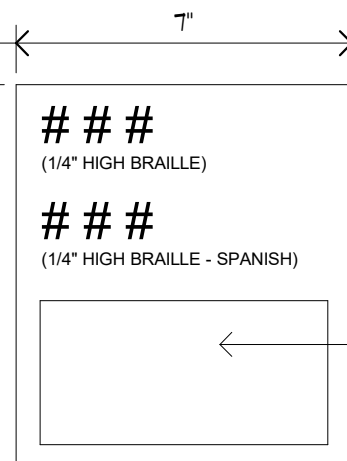
1A

TYPE - 1A
SIZE: 1" WIDE x 8" HIGH x 0.80 MATTE CLEAR BACKSPRAYED
COLORS: TBD
SYMBOLS: 3" AND 2 1/2" DIRECT PRINT
COPY: 5/8" WHITE RAISED HELVETICA MEDIUM STYLE LETTERS AND CLEAR BRAILLE
NUMERALS: 3/4" WHITE RAISED NUMERAL AND CLEAR BRAILLE DOTS
MOUNTING: DOUBLE FACED TAPE



1B

TYPE - 1B
SIZE: 1" WIDE x 11" HIGH x 0.80 MATTE CLEAR BACKSPRAYED
COLORS: TBD
SYMBOLS: 3" AND 2 1/2" DIRECT PRINT
COPY: 5/8" WHITE RAISED HELVETICA MEDIUM STYLE LETTERS AND CLEAR BRAILLE
NUMERALS: 3/4" WHITE RAISED NUMERAL AND CLEAR BRAILLE DOTS
MOUNTING: DOUBLE FACED TAPE



2

TYPE - 2
SIZE: 1" WIDE x 8" HIGH x 0.80 MATTE CLEAR BACKSPRAYED
COLORS: TBD
SYMBOLS: 5/8" WHITE RAISED HELVETICA MEDIUM STYLE LETTERS AND CLEAR BRAILLE
COPY: 5/8" WHITE RAISED HELVETICA MEDIUM STYLE LETTERS AND CLEAR BRAILLE DOTS
NUMERALS: 3/4" WHITE RAISED NUMERAL AND CLEAR BRAILLE DOTS
MOUNTING: DOUBLE FACED TAPE

JOSLIN RECREATION CENTER - CPF RENOVATION

17 Hyatt St., Providence, RI 02903



Owner:
City of Providence, Dept. of Public Property
25 Dorrance Street
Providence, Rhode Island 02903



400 Massachusetts Avenue
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GENERAL NOTES

1. CONTRACTOR SHALL VISIT SITE PRIOR TO BID, AND CAREFULLY INVESTIGATE AND EXAMINE THE AREA OF WORK SO AS TO SATISFY HIMSELF AS TO THE NATURE AND LOCATION OF THE WORK. CONTRACTOR TO NOTE THE CHARACTER, QUALITY, QUANTITIES OF MATERIALS REQUIRED AND DIFFICULTIES TO BE ENCOUNTERED. THE KIND AND EXTENT OF EQUIPMENT AND FACILITIES NEEDED FOR PERFORMANCE OF THE WORK AND OTHER ITEMS WHICH MAY, IN ANY WAY, AFFECT THE WORK OR CONTRACTORS PERFORMANCE.

2. DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.

Date: 05/21/2025

Drawn by: Author Proj. Mgr.: Checker

Revisions

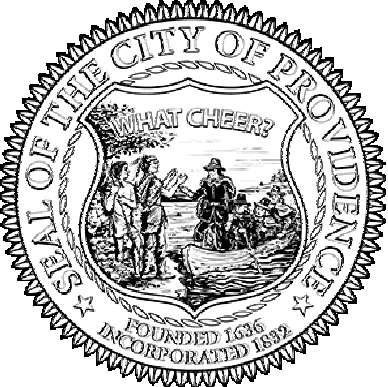
No.	Date	Description
1	5/21/25	ADDENDUM 1

ABBREVIATIONS, LEGEND, SIGNAGE, AND SHEET INDEX

G0.01

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Date: 05/21/2025

Drawn by: JMA

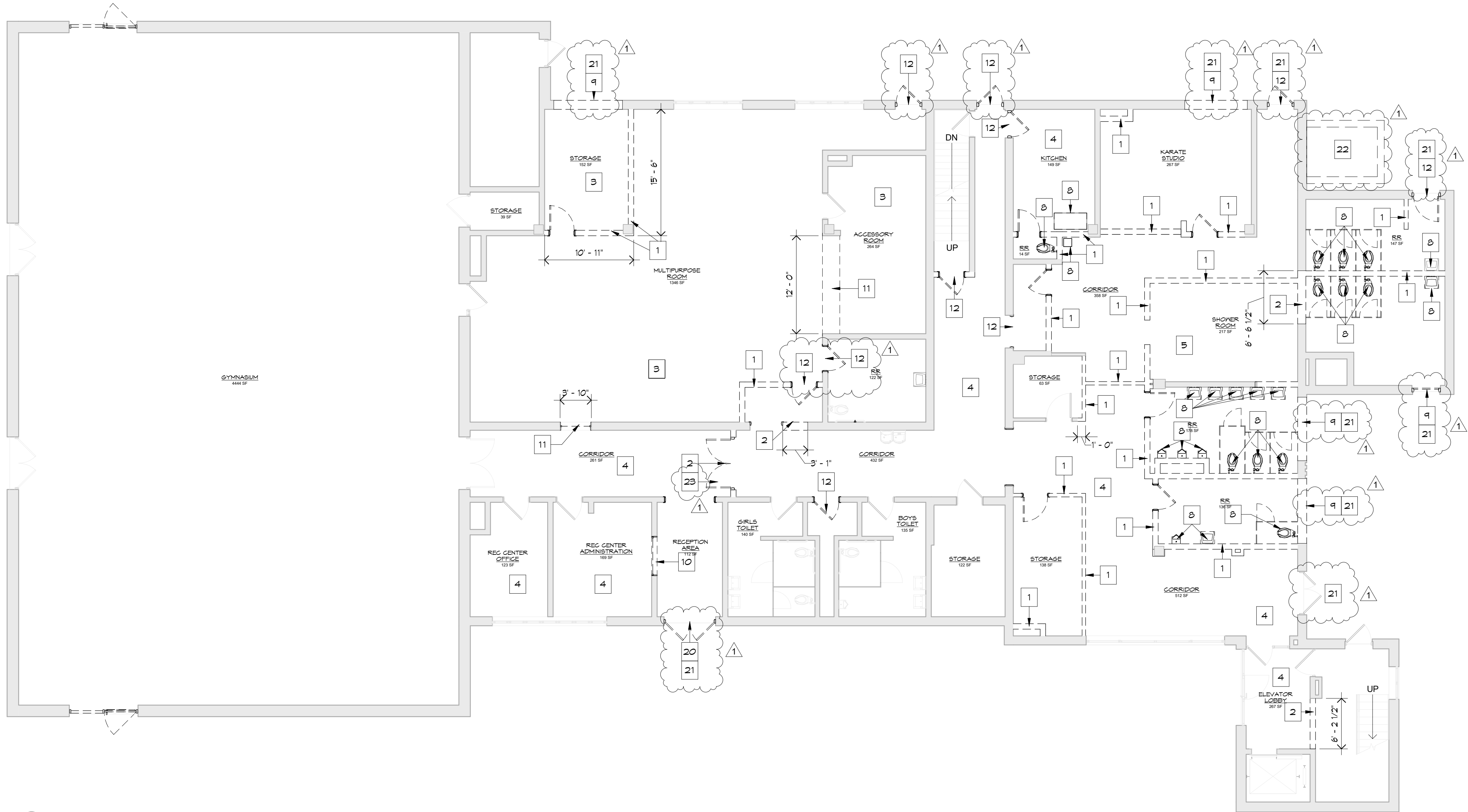
Proj. Mgr.: BEG

Revisions

No.	Date	Description
1	5/21/25	ADDENDUM 1

FIRST FLOOR DEMOLITION
PLAN

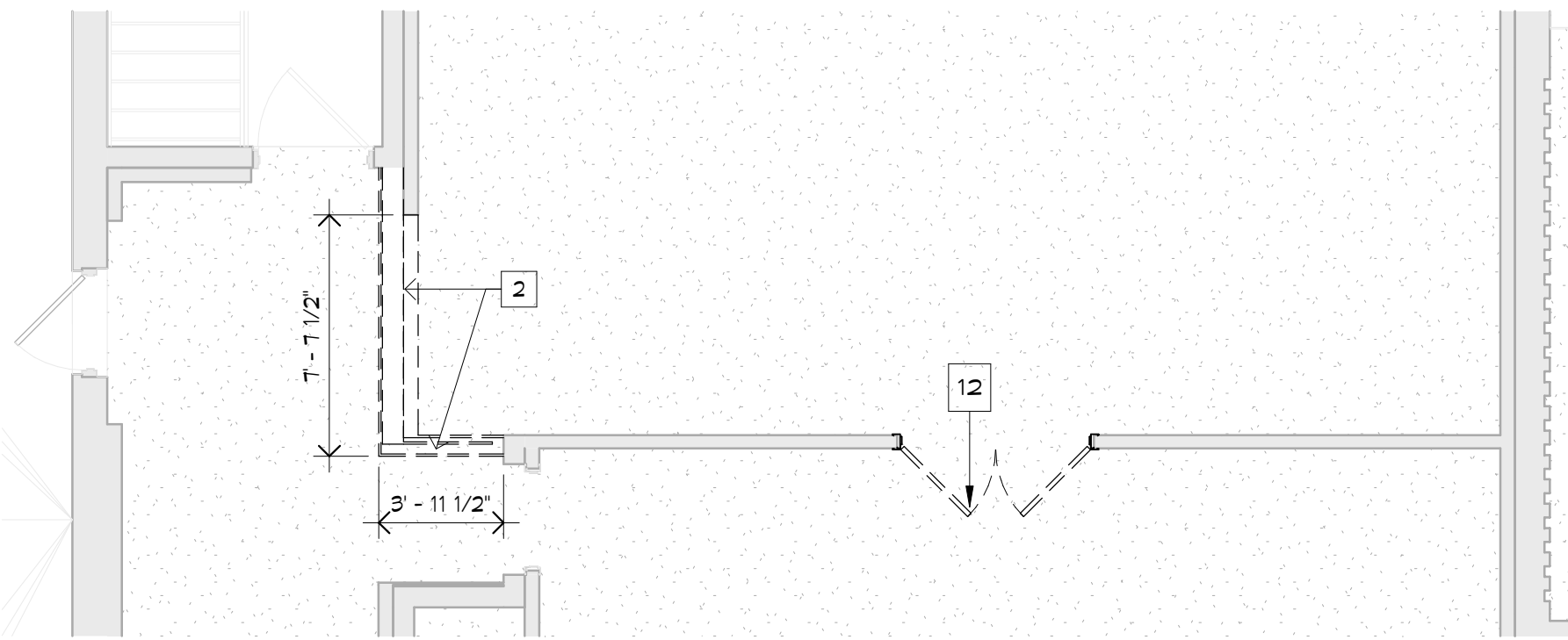
AD1.00



1 First Floor Demolition Plan
AD1.00 1/8" = 1'-0"

DEMOLITION NOTES

1. REMOVE AND DISPOSE OF WALL ASSEMBLY IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL DOORS, FRAMES, AND TRIM, AS REQ'D FOR NEW WORK. REMOVE AND MAKE SAFE ALL ELECTRICAL COMPONENTS REQ'D FOR NEW WORK.
2. REMOVE AND DISPOSE OF PORTION OF EXISTING WALL ASSEMBLY, AS REQ'D FOR NEW WORK.
3. SHOP BLAST TO REMOVE EXISTING EPOXY FLOORING SYSTEM, INCLUDING ALL WALL BASE AS OCCURS, TO PREPARE SURFACE TO RECEIVE NEW FLOORING, PER MANUFACTURER'S RECOMMENDATIONS.
4. REMOVE AND DISPOSE OF EXISTING VCT AND VINYL WALL BASE AS OCCURS. PREPARE SURFACE TO RECEIVE NEW FLOORING, PER MANUFACTURER'S RECOMMENDATIONS.
5. REMOVE AND DISPOSE OF EXISTING CERAMIC TILE FLOORING ASSEMBLY. PREPARE SURFACE TO RECEIVE NEW FLOORING, PER MANUFACTURER'S RECOMMENDATIONS.
6. REMOVE AND DISPOSE OF EXISTING PLYWOOD CEILING ASSEMBLY. TEMPORARILY HANG AND SUPPORT ALL CONDUIT, PIPING, AND LIGHTING AS REQ'D FOR NEW WORK. PROVIDE TEMPORARY LIGHTING WHERE REQUIRED.
7. REMOVE AND DISPOSE OF EXISTING 2X2 ACT CEILING ASSEMBLY; REMOVE AND MAKE SAFE ALL EXISTING LIGHT FIXTURES.
8. REMOVE AND DISPOSE OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND TOILET PARTITIONS IN ITS ENTIRETY. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
9. REMOVE AND DISPOSE OF WINDOW IN FILLED MATERIAL, CONSISTING OF PLYWOOD AND MASONRY. PREPARE EXISTING OPENING TO RECEIVE NEW WINDOW.
10. REMOVE AND DISPOSE OF EXISTING INTERIOR RECEPTION WINDOW. PREPARE OPENING TO RECEIVE NEW COUNTER.
11. REMOVE AND DISPOSE OF EXISTING COUNTER AND WINDOW ASSEMBLY IN MULTIPURPOSE ROOM.
12. REMOVE AND DISPOSE OF EXISTING DOOR AND/OR FRAME AS REQUIRED; PREPARE OPENING FOR NEW WORK AS REQ'D.
13. REMOVE EXISTING SCUPPER AND DOWNSPOUT.
14. REMOVE EXISTING EXHAUST FAN AND ROOF CURB.
15. REMOVE EXISTING VENTILATOR AND ROOF CURB.
16. REMOVE EXISTING DRAIN.
17. REMOVE EXISTING VENT STACK.
18. REMOVE AND SALVAGE EXIST ROOF HATCH ASSEMBLY FOR RE-INSTALLATION.
19. REMOVE EXISTING ROOF ASSEMBLY AND INSULATION IN ITS ENTIRETY TO EXISTING ROOF DECK AS OCCURS.
20. REMOVE AND DISPOSE OF EXISTING PAIR OF HOLLOW METAL DOORS AND HARDWARE IN THEIR ENTIRETY. REMOVE AND DISPOSE OF CENTER MULLION ASSEMBLY. EXISTING AS SPECIFIED.
21. SCRAPE, SAND, AND PREPARE EXISTING STEEL LINTELS TO RECEIVE NEW PAINT FINISH AS SPECIFIED.
22. REMOVE AND DISPOSE OF EXISTING STEEL PLATFORM. EXISTING PERMITTER STRUCTURAL ANGLES AND SUPPORTS TO REMAIN. SCRAPE, SAND, AND PREPARE AS REQUIRED TO RECEIVE NEW GRATING ASSEMBLY.
23. REMOVE AND SALVAGE EXISTING PAIR OF DOORS AND HARDWARE FOR RELOCATION AT NEW LOCATION DENOTED AS DOOR #111. PREPARE AND MODIFY EXISTING FRAME, AT NEW LOCATION, AS REQUIRED TO RE-INSTALL SALVAGED PAIR OF DOORS.



2 Second Floor Partial Demolition Plan
AD1.00 3/16" = 1'-0"

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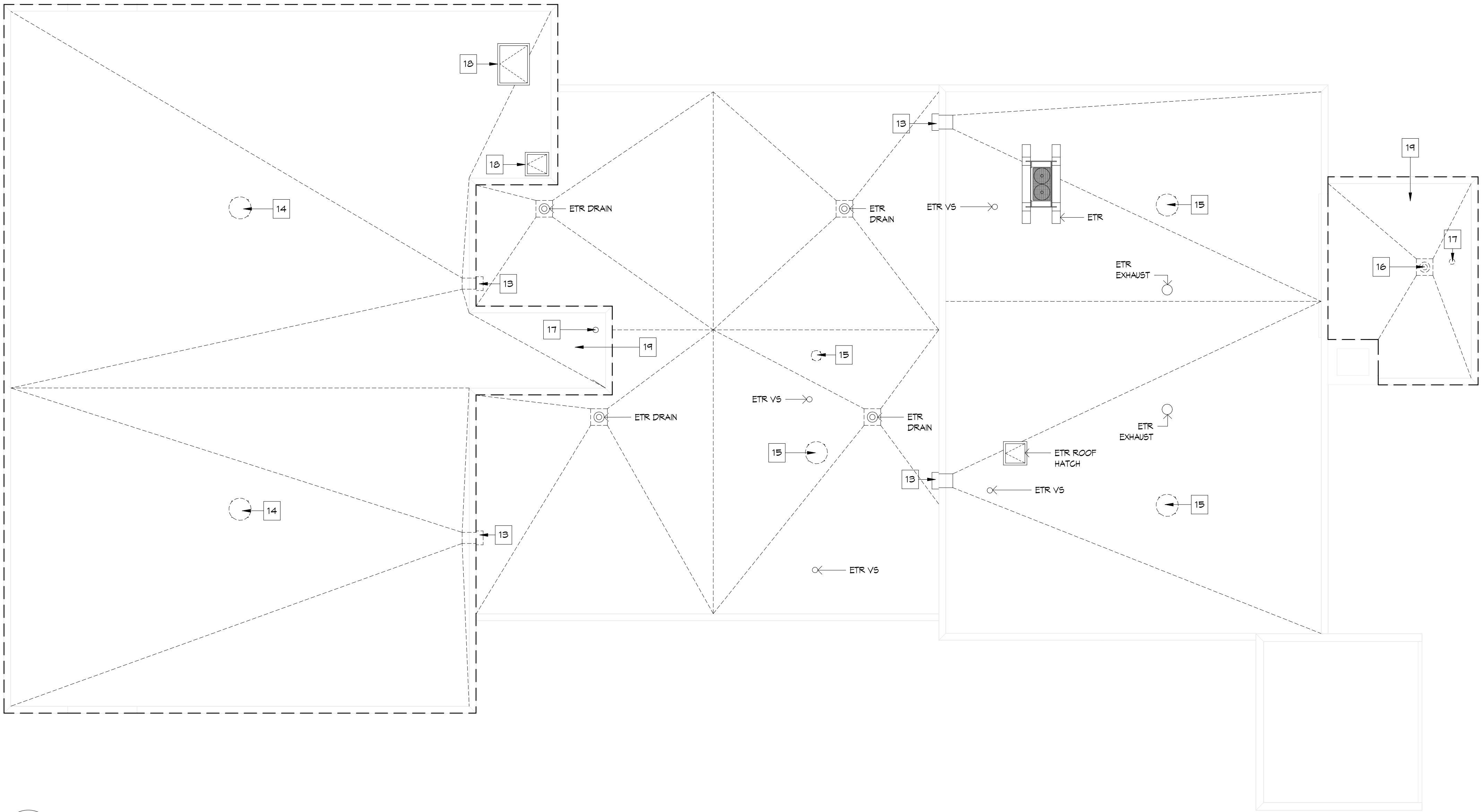
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1 Roof Demolition Plan
AD1.01 1/8" = 1'-0"

DEMOLITION NOTES

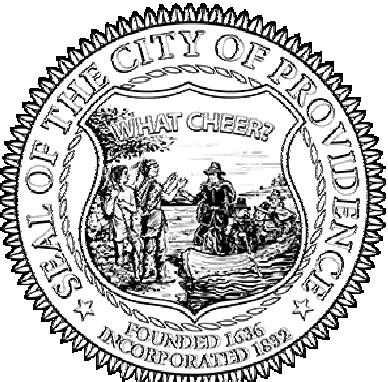
1. REMOVE AND DISPOSE OF WALL ASSEMBLY IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL DOORS, FRAMES, AND TRIM, AS REQ'D FOR NEW WORK. REMOVE AND MAKE SAFE ALL ELECTRICAL COMPONENTS REQ'D FOR NEW WORK.
2. REMOVE AND DISPOSE OF PORTION OF EXISTING WALL ASSEMBLY, AS REQ'D FOR NEW WORK.
3. SHOP BLAST TO REMOVE EXISTING EPOXY FLOORING SYSTEM, INCLUDING ALL WALL BASE AS OCCURS, TO PREPARE SURFACE TO RECEIVE NEW FLOORING, PER MANUFACTURER'S RECOMMENDATIONS.
4. REMOVE AND DISPOSE OF EXISTING VCT AND VINYL WALL BASE AS OCCURS. PREPARE SURFACE TO RECEIVE NEW FLOORING, PER MANUFACTURER'S RECOMMENDATIONS.
5. REMOVE AND DISPOSE OF EXISTING CERAMIC TILE FLOORING ASSEMBLY. PREPARE SURFACE TO RECEIVE NEW FLOORING, PER MANUFACTURER'S RECOMMENDATIONS.
6. REMOVE AND DISPOSE OF EXISTING PLYWOOD CEILING ASSEMBLY. TEMPORARILY HANG AND SUPPORT ALL CONDUIT, PIPING, AND LIGHTING AS REQ'D FOR NEW WORK. PROVIDE TEMPORARY LIGHTING WHERE REQUIRED.
7. REMOVE AND DISPOSE OF EXISTING 2X2 ACCT CEILING ASSEMBLY; REMOVE AND MAKE SAFE ALL EXISTING LIGHT FIXTURES.
8. REMOVE AND DISPOSE OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND TOILET PARTITIONS IN ITS ENTIRETY. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
9. REMOVE AND DISPOSE OF WINDOW IN FILLED MATERIAL, CONSISTING OF PLYWOOD AND MASONRY. PREPARE EXISTING OPENING TO RECEIVE NEW WINDOW.
10. REMOVE AND DISPOSE OF EXISTING INTERIOR RECEPTION WINDOW. PREPARE OPENING TO RECEIVE NEW COUNTER.
11. REMOVE AND DISPOSE OF EXISTING COUNTER AND WINDOW ASSEMBLY IN MULTIPURPOSE ROOM.
12. REMOVE AND DISPOSE OF EXISTING DOOR AND/OR FRAME AS REQUIRED; PREPARE OPENING FOR NEW WORK AS OCCURS.
13. REMOVE EXISTING SCUPPER AND DOWNSPOUT.
14. REMOVE EXISTING EXHAUST FAN AND ROOF CURB.
15. REMOVE EXISTING VENTILATOR AND ROOF CURB.
16. REMOVE EXISTING DRAIN.
17. REMOVE EXISTING VENT STACK.
18. REMOVE AND SALVAGE EXIST ROOF HATCH ASSEMBLY FOR RE-INSTALLATION.
19. REMOVE EXISTING ROOF ASSEMBLY AND INSULATION IN ITS ENTIRETY TO EXISTING ROOF DECK AS OCCURS.
20. REMOVE AND DISPOSE OF EXISTING PAIR OF HOLLOW METAL DOORS AND HARDWARE IN THEIR ENTIRETY. REMOVE AND DISPOSE OF CENTER MULLION ASSEMBLY. EXISTING AS SPECIFIED.
21. SCRAPE, SAND, AND PREPARE EXISTING STEEL LINTELS TO RECEIVE NEW PAINT FINISH AS SPECIFIED.
22. REMOVE AND DISPOSE OF EXISTING STEEL PLATFORM. EXISTING PERMITER STRUCTURAL ANGLES AND SUPPORTS TO REMAIN. SCRAPE, SAND, AND PREPARE AS REQUIRED TO RECEIVE NEW GRATING ASSEMBLY.
23. REMOVE AND SALVAGE EXISTING PAIR OF DOORS AND HARDWARE FOR RELOCATION AT NEW LOCATION DENOTED AS DOOR #111. PREPARE AND MODIFY EXISTING FRAME, AT NEW LOCATION, AS REQUIRED TO RE-INSTALL SALVAGED PAIR OF DOORS.

ROOF DEMOLITION PLAN

AD1.01

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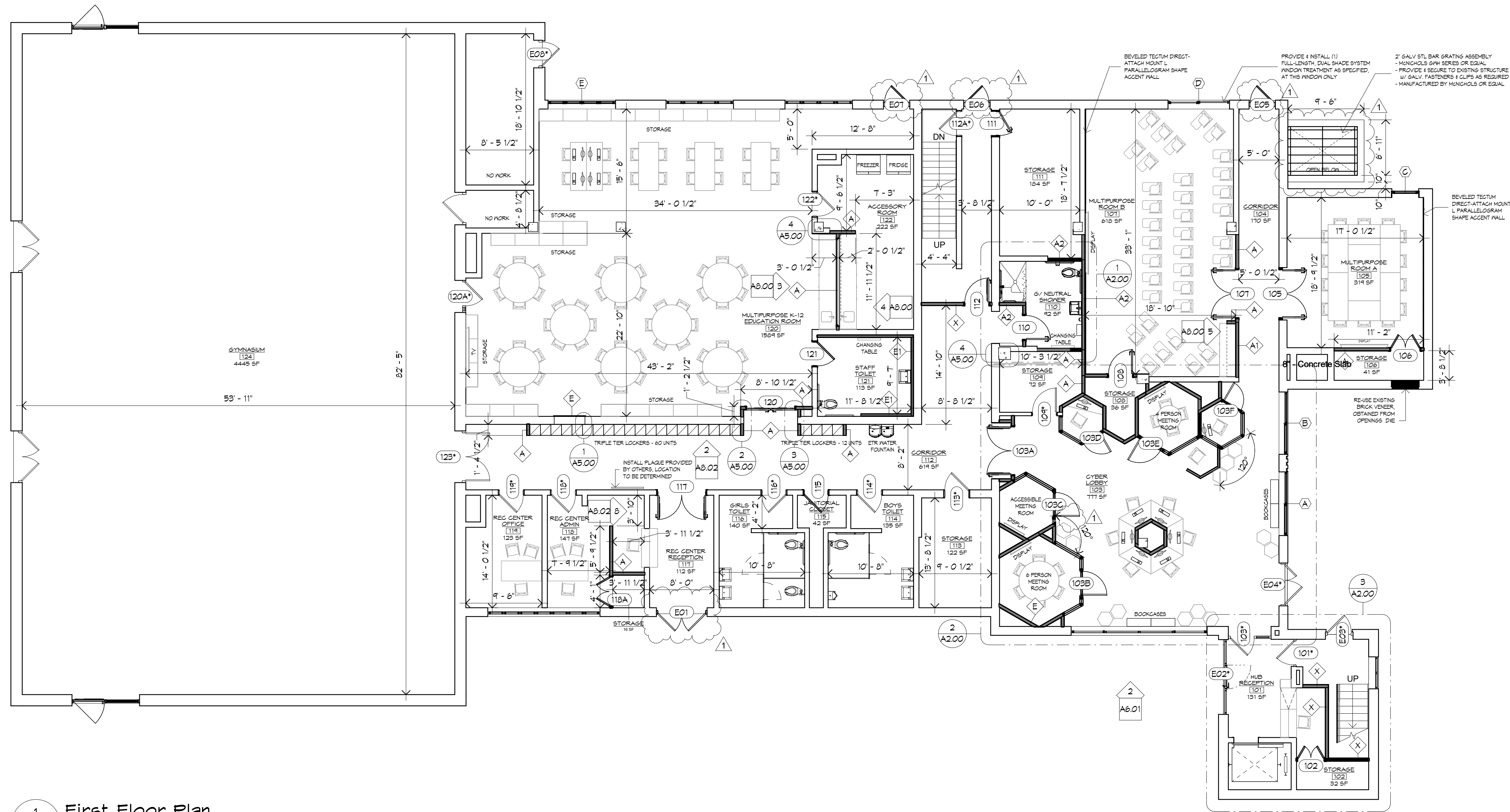
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2. DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.



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

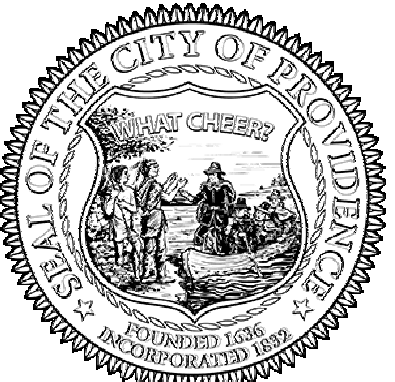
NOTE:
ALL ROOMS AND SPACES TO RECEIVE INTERIOR
SIGNAGE AS SPECIFIED IN SECTION 101400.
REFER TO SHEET 60.01 FOR ADDITIONAL
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FIRST FLOOR PLAN

A1.00

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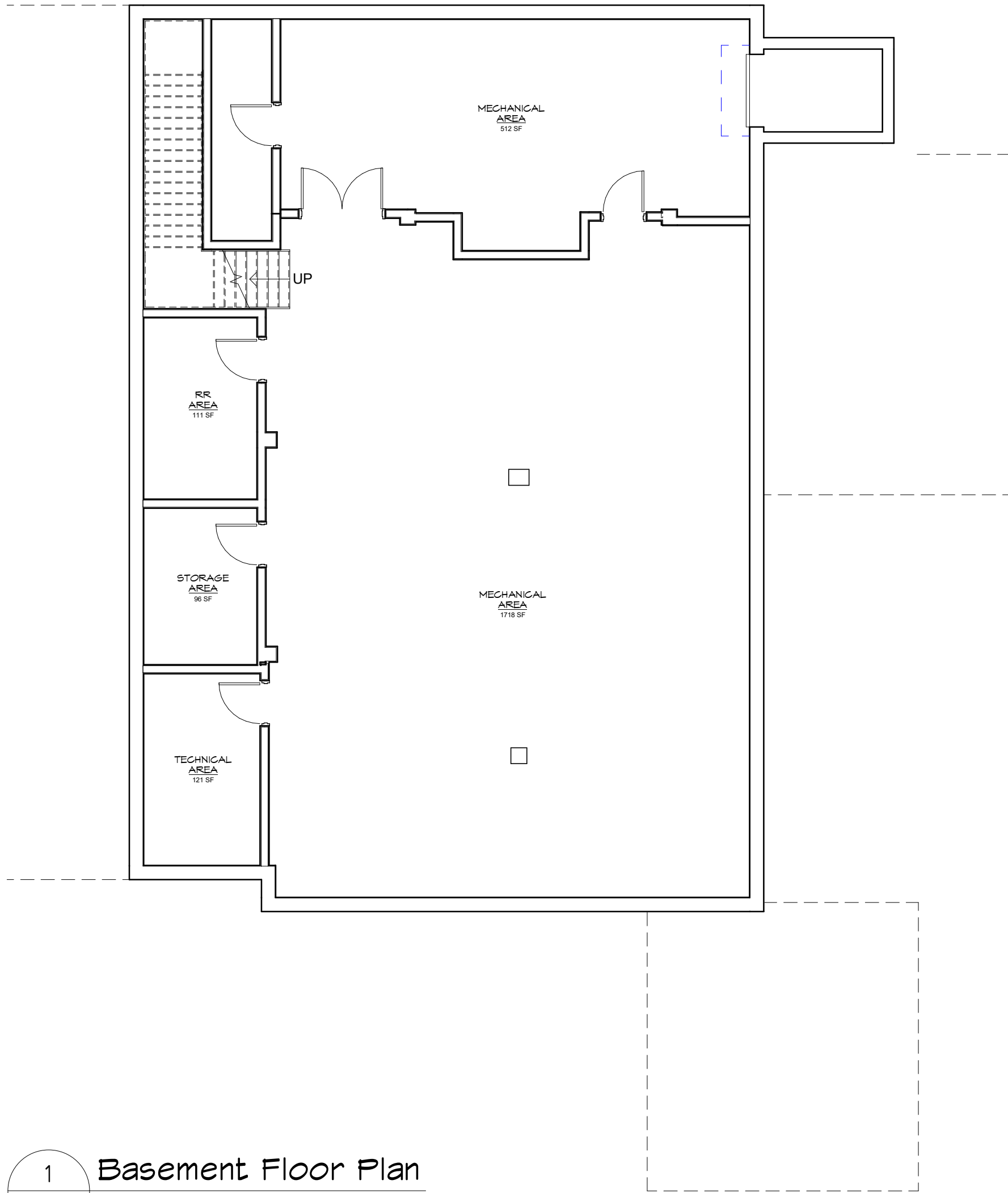
Drawn by: Author Proj. Mgr.: checker

Revisions

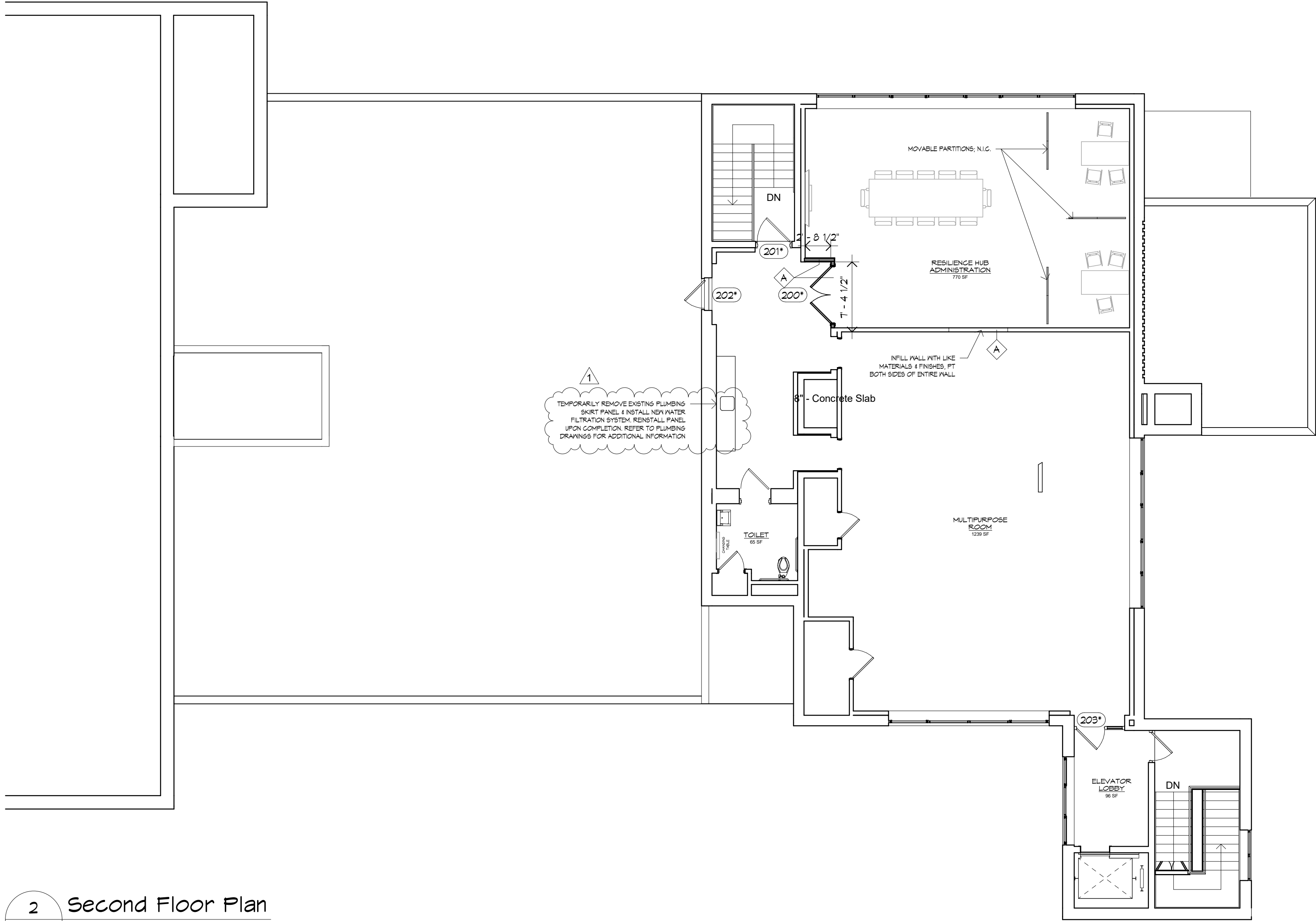
No.	Date	Description
1	5/21/25	ADDENDUM 1

BASEMENT & SECOND
FLOOR PLANS

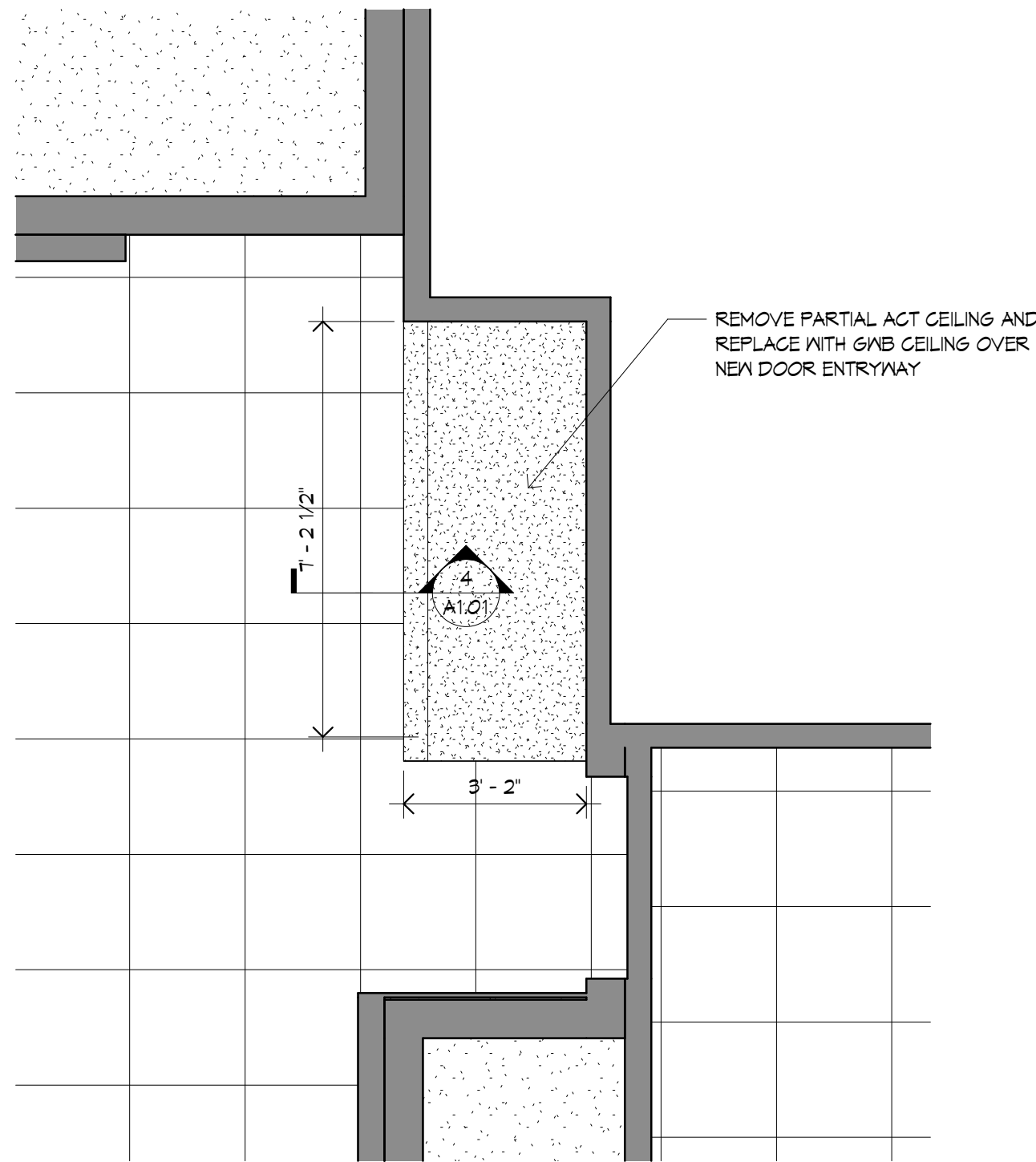
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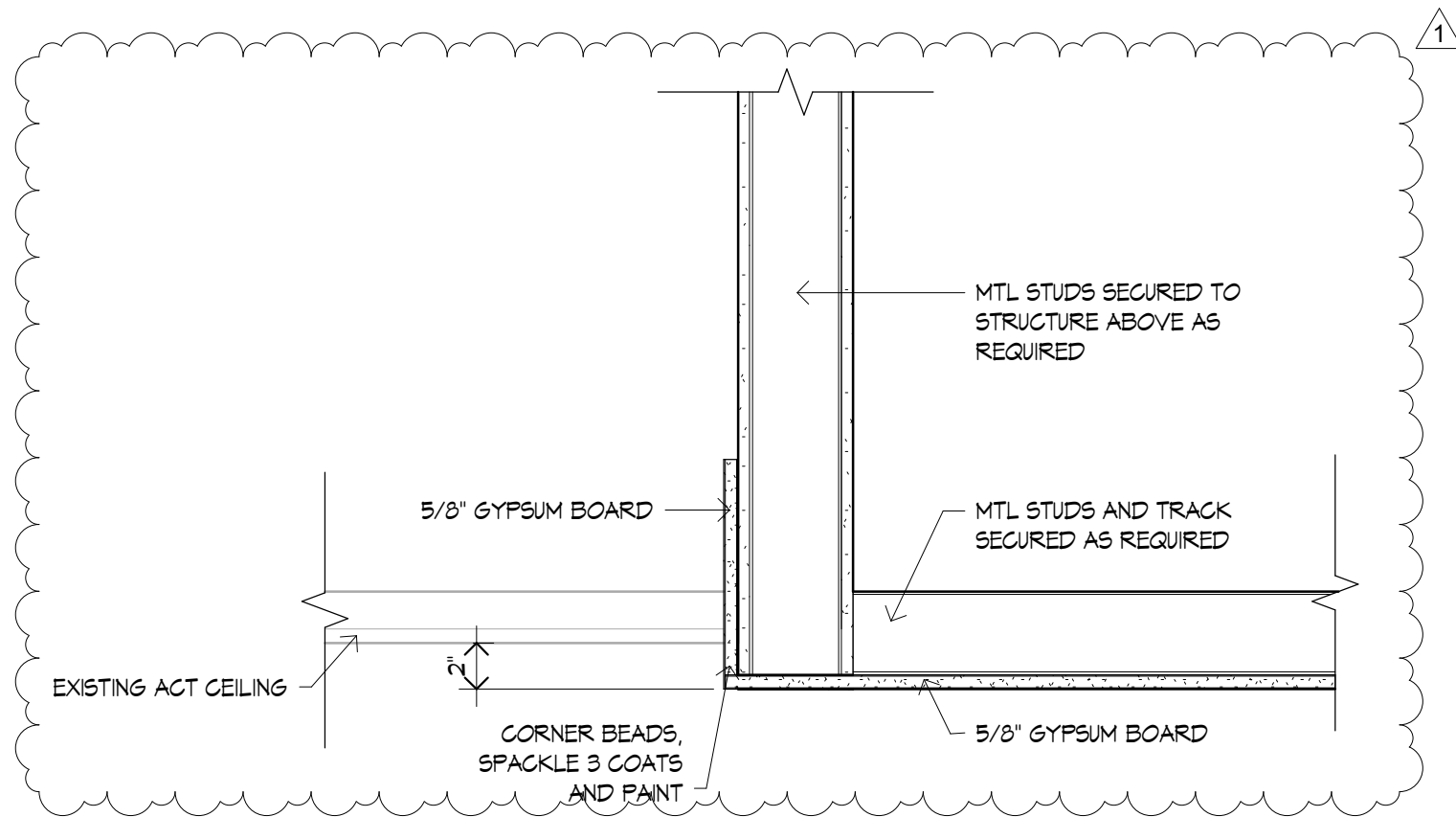
1 Basement Floor Plan
A1.01 1/8" = 1'-0"



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



3 2nd Floor RCP - Callout 1
A1.01 3/8" = 1'-0"



4 ACT TO GNB TRANSITION DETAIL
A1.01 1 1/2" = 1'-0"

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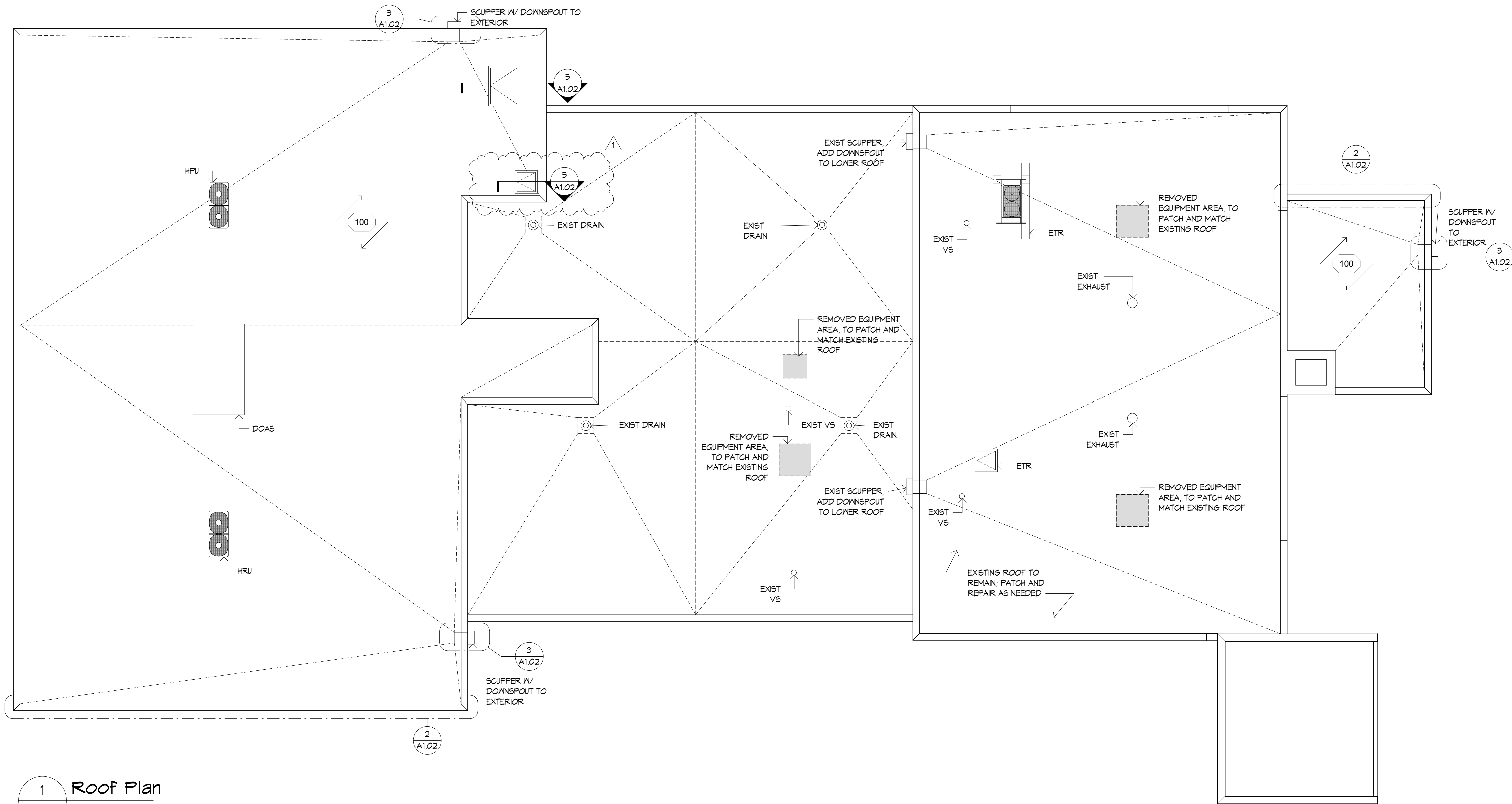
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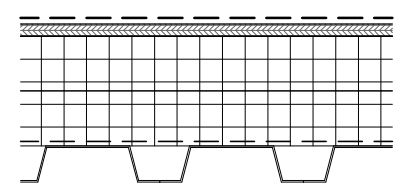
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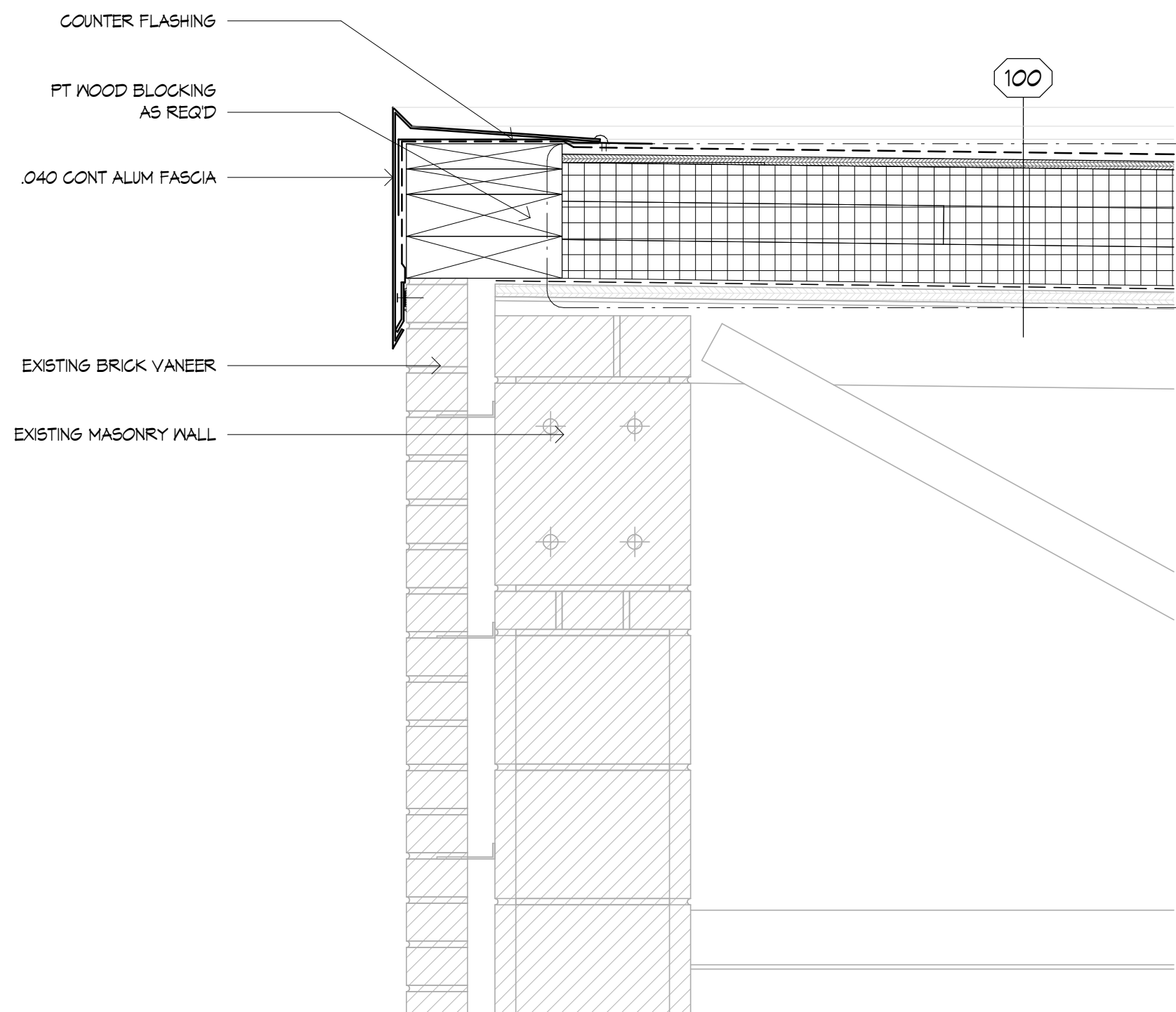
- FULLY ADHERED TPO ROOF SYSTEM ON:
 - 1/2" HIGH DENSITY POLYISO PROTECTION BOARD ON:
 - (2) LAYERS OF 2.1" POLYISO INSULATION ON:
 - SELF ADHERED SHEET VAPOR RETARDER ON:
 - EXISTING 1-1/2" GALV. STL ROOF DECK
- TOTAL R-VALUE 28



100 FULLY ADHERED TPO ROOF SYSTEM SECURED TO 1/2" HIGH DENSITY POLYISO PROTECTION BOARD OVER (2) LAYERS OF 2.1" POLYISO INSULATION OVER SELF ADHERED SHEET VAPOR RETARDER MECHANICALLY FASTENED TO 1-1/2" GALV. STL ROOF DECK

4 ROOF TYPE 100

A1.02 1 1/2" = 1'-0"

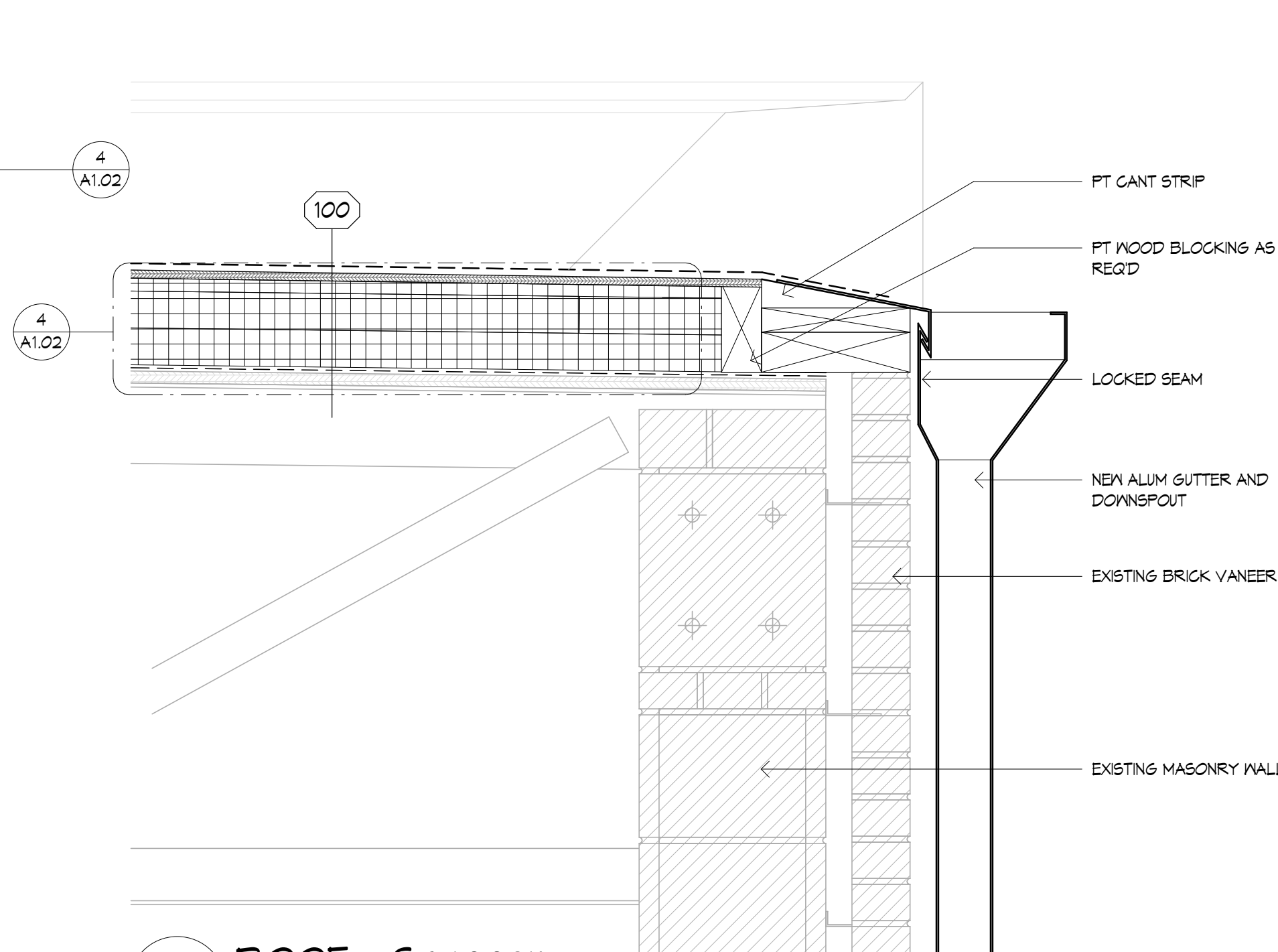


2 ROOF - Edge

A1.02 1 1/2" = 1'-0"

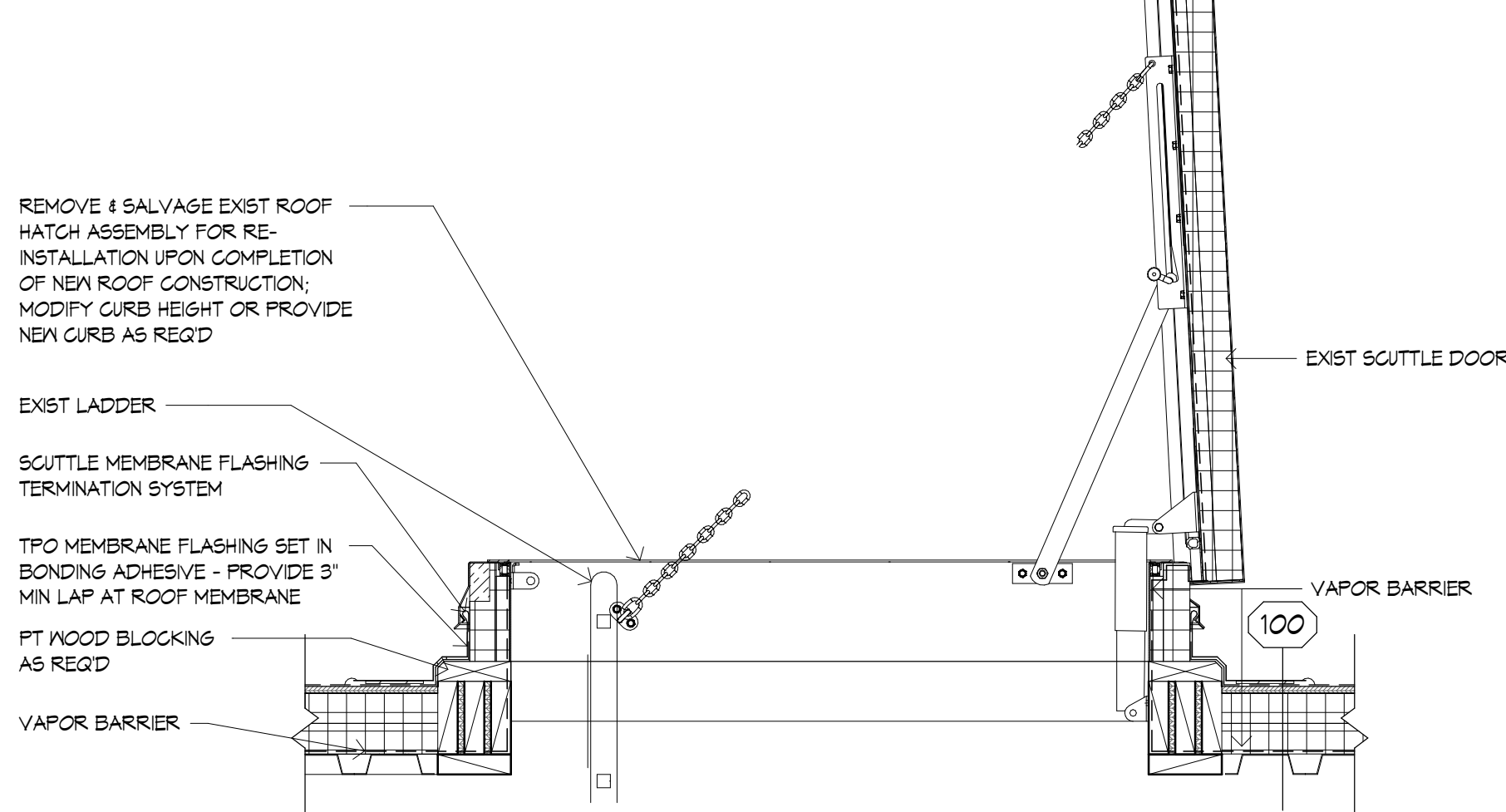
1 Roof Plan

A1.02 1/8" = 1'-0"



3 ROOF - Scupper

A1.02 1 1/2" = 1'-0"



5 ROOF - Roof Hatch Detail

A1.02 1" = 1'-0"

ROOF PLAN

Date: 05/21/2025

Drawn by: Author Proj. Mgr.: checker

Revisions

No.	Date	Description
1	5/21/25	APPENDUM 1

A1.02

LIGHTING FIXTURE SCHEDULE					
Type Mark	Description	Manufacturer	Type	Count	Comments
L-1	Surface Mounted	ABOVE ALL	1x112 Lamp - 27W	62	
L-2	Pendant	ABOVE ALL	Suspended hexagon Light Fixture	4	
L-3	Surface Mounted	ABOVE ALL	Surface Mounted hexagon L Light Fixture	1	
L-4	Pendant	ABOVE ALL	Suspended hexagon M Light Fixture	8	
L-5	Surface Mounted	ABOVE ALL	Surface Mounted hexagon M Light Fixture	2	
L-6	Surface Mounted	ABOVE ALL	Surface Mounted hexagon S Light Fixture	2	
L-7	2x2 Suspended Mount	Cooper Lighting	Linear Type ceiling	4	

* REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

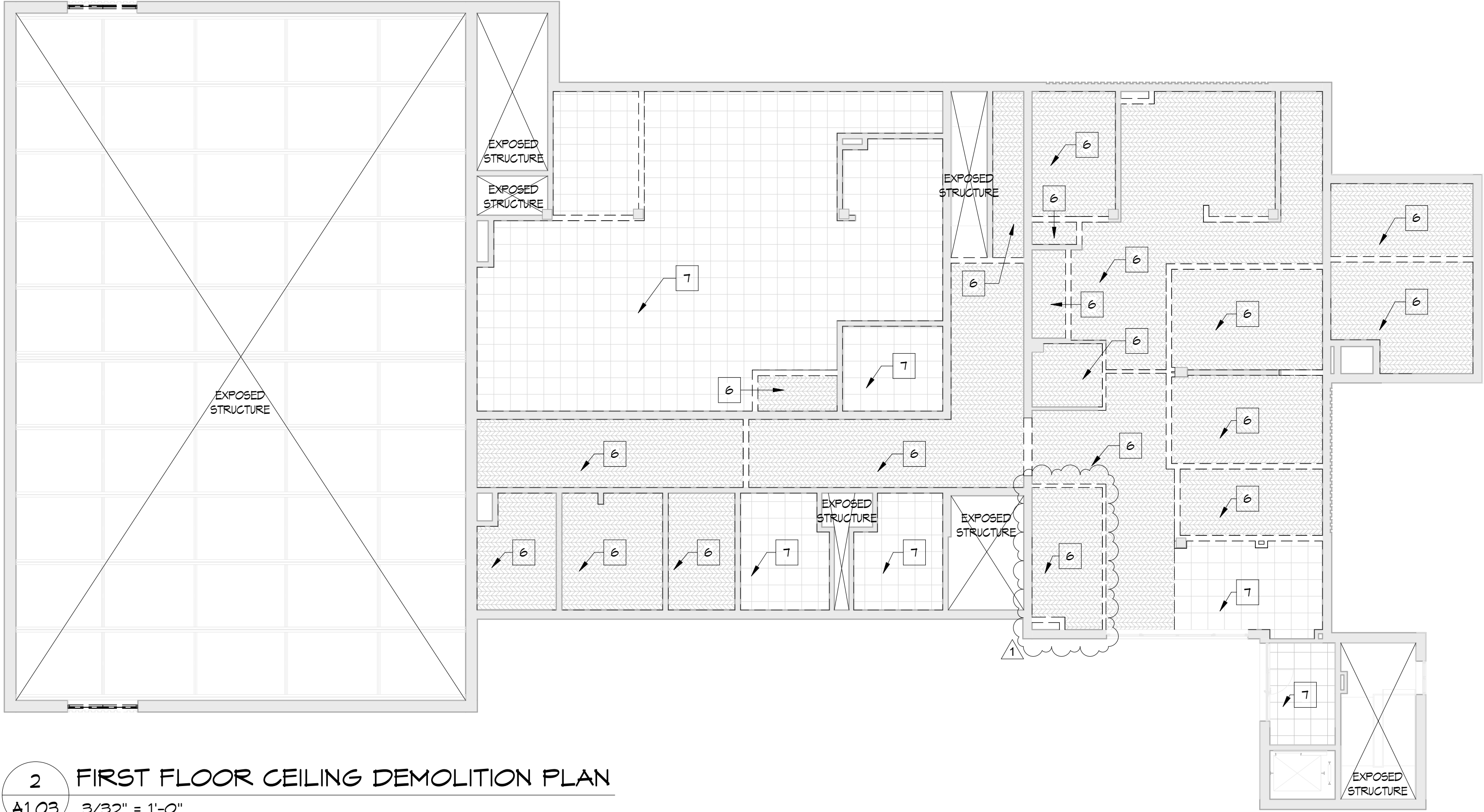
REFLECTED CEILING PLAN LEGEND

	WALL AS OCCURS
	CEILING/SOFFIT HEIGHT
	2x2 SUSPENDED ACOUSTICAL CEILING SYSTEM
	ETR 2x2 SUSPENDED ACOUSTICAL CEILING SYSTEM
	2x2 SUSPENDED ACOUSTICAL CEILING SYSTEM - TO DEMOLISH
	2x4 SUSPENDED ACOUSTICAL CEILING SYSTEM
	GYPSUM BOARD CEILING SYSTEM
	MOISTURE RESISTANT GYPSUM BOARD CEILING SYSTEM
	FIRE RESISTANT GYPSUM BOARD CEILING SYSTEM: PROVIDE 2-LAYERS 5/8" TYPE X GYPSUM; ALL PENETRATIONS MUST BE SEALED; THIR RATED
	ACOUSTICAL CLOUD CEILING SYSTEM
	PLYWOOD CEILING - TO DEMOLISH
	NO CEILING, EXPOSED STRUCTURE ABOVE
	RECESSED LIGHT FIXTURE *
	PENDANT LIGHT FIXTURE *

* REFER TO ELECTRICAL DRAWINGS
** REFER TO MECHANICAL DRAWINGS
*** REFER TO PLUMBING/FIRE PROTECTION DRAWINGS



1 FIRST FLOOR REFLECTED CEILING PLAN
A1.03 1/8" = 1'-0"



2 FIRST FLOOR CEILING DEMOLITION PLAN
A1.03 3/32" = 1'-0"

DEMOLITION NOTES

1. REMOVE AND DISPOSE OF WALL ASSEMBLY IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL DOORS, FRAMES, AND TRIM, AS REQD FOR NEW WORK. REMOVE AND MAKE SAFE ALL ELECTRICAL COMPONENTS REQD FOR NEW WORK.
2. REMOVE AND DISPOSE OF PORTION OF EXISTING WALL ASSEMBLY, AS REQD FOR NEW WORK.
3. SHOP BLAST TO REMOVE EXISTING EPOXY FLOORING SYSTEM, INCLUDING ALL WALL BASE AS OCCURS, TO PREPARE SURFACE TO RECEIVE NEW FLOORING, PER MANUFACTURER'S RECOMMENDATIONS.
4. REMOVE AND DISPOSE OF EXISTING VCT AND VINYL WALL BASE AS OCCURS, PREPARE SURFACE TO RECEIVE NEW FLOORING, PER MANUFACTURER'S RECOMMENDATIONS.
5. REMOVE AND DISPOSE OF EXISTING CERAMIC TILE FLOORING ASSEMBLY, PREPARE SURFACE TO RECEIVE NEW FLOORING, PER MANUFACTURER'S RECOMMENDATIONS.
6. REMOVE AND DISPOSE OF EXISTING PLYWOOD CEILING ASSEMBLY, TEMPORARILY HANG AND SUPPORT ALL CONDUIT, PIPING, AND LIGHTING AS REQD FOR NEW WORK, PROVIDE TEMPORARY LIGHTING WHERE REQUIRED.
7. REMOVE AND DISPOSE OF EXISTING 2X2 ACT CEILING ASSEMBLY; REMOVE AND MAKE SAFE ALL EXISTING LIGHT FIXTURES.
8. REMOVE AND DISPOSE OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND TOILET PARTITIONS IN ITS ENTIRETY. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL.
9. REMOVE AND DISPOSE OF WINDOW IN FILLED MATERIAL, CONSISTING OF PLYWOOD AND MASONRY, PREPARE EXISTING OPENING TO RECEIVE NEW WINDOW.
10. REMOVE AND DISPOSE OF EXISTING INTERIOR RECEPTION WINDOW. PREPARE OPENING TO RECEIVE NEW COUNTER.
11. REMOVE AND DISPOSE OF EXISTING COUNTER AND WINDOW ASSEMBLY IN MULTIPURPOSE ROOM.
12. REMOVE AND DISPOSE OF EXISTING DOOR AND/OR FRAME AS REQUIRED; PREPARE OPENING FOR NEW WORK AS REQD.
13. REMOVE EXISTING SCUPPER AND DOWNSPOUT.
14. REMOVE EXISTING EXHAUST FAN AND ROOF CURB.
15. REMOVE EXISTING VENTILATOR AND ROOF CURB.
16. REMOVE EXISTING DRAIN.
17. REMOVE EXISTING VENT STACK.
18. REMOVE AND SALVAGE EXIST ROOF HATCH ASSEMBLY FOR RE-INSTALLATION.
19. REMOVE EXISTING ROOF ASSEMBLY AND INSULATION IN ITS ENTIRETY TO EXISTING ROOF DECK AS OCCURS.
20. REMOVE AND DISPOSE OF EXISTING PAIR OF HOLLOW METAL DOORS AND HARDWARE IN THEIR ENTIRETY. REMOVE AND DISPOSE OF CENTER MULLION ASSEMBLY, EXISTING
21. SCRAPE, SAND, AND PREPARE EXISTING STEEL LINTELS TO RECEIVE NEW PAINT FINISH AS SPECIFIED.
22. REMOVE AND DISPOSE OF EXISTING STEEL PLATFORM, EXISTING PERMITER STRUCTURAL ANGLES AND SUPPORTS TO REMAIN. SCRAPE, SAND, AND PREPARE AS REQUIRED TO RECEIVE NEW GRATING ASSEMBLY.
23. REMOVE AND SALVAGE EXISTING PAIR OF DOORS AND HARDWARE FOR RELOCATION AT NEW LOCATION DENOTED AS DOOR #111. PREPARE AND MODIFY EXISTING FRAME, AT NEW LOCATION, AS REQUIRED TO RE-INSTALL SALVAGED PAIR OF DOORS.

JOSLIN RECREATION
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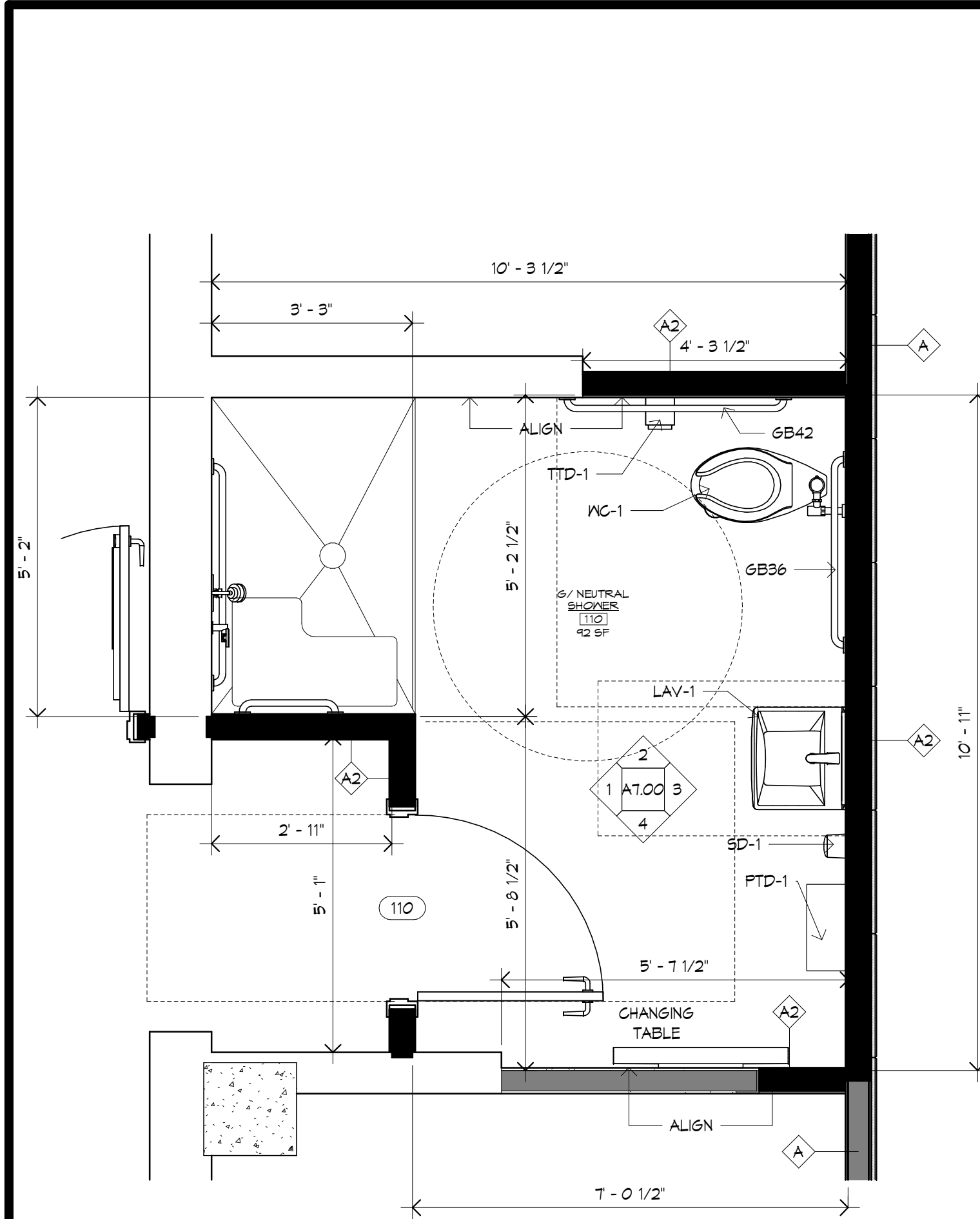
Drawn by: Author Proj. Mgr.: Checker

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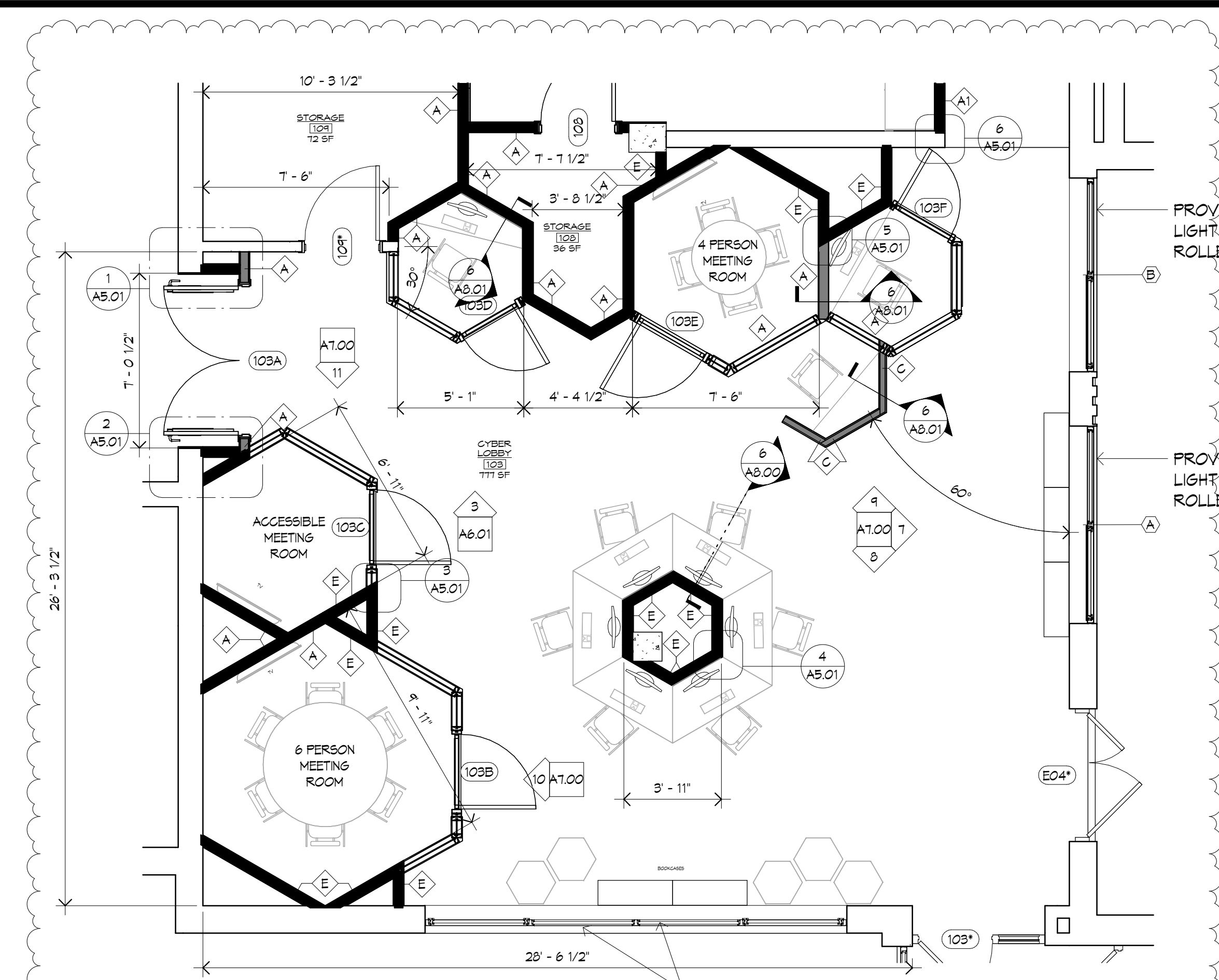
No.	Date	Description
1	5/21/25	ADDENDUM 1

FIRST FLOOR REFLECTED
CEILING PLAN

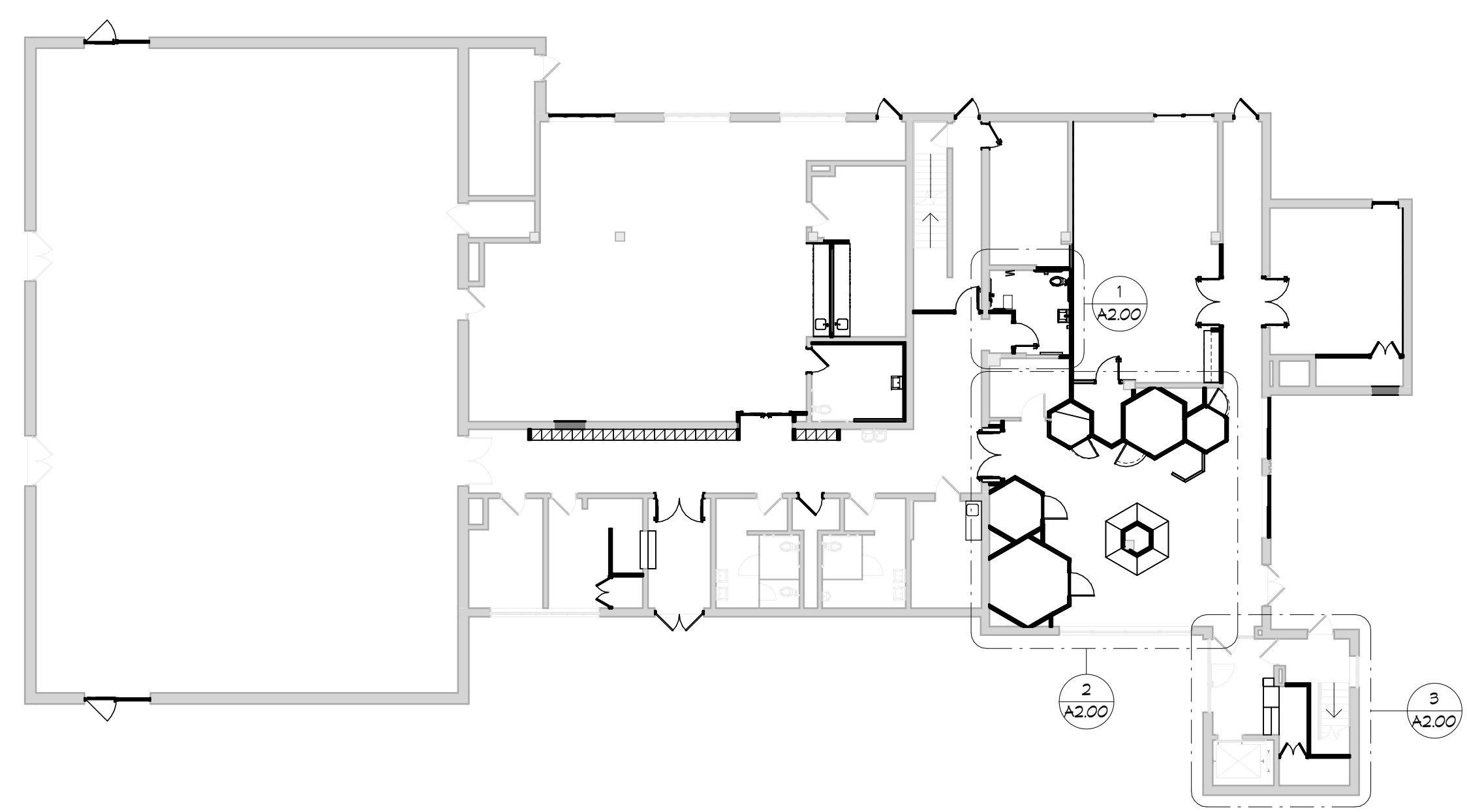
A1.03



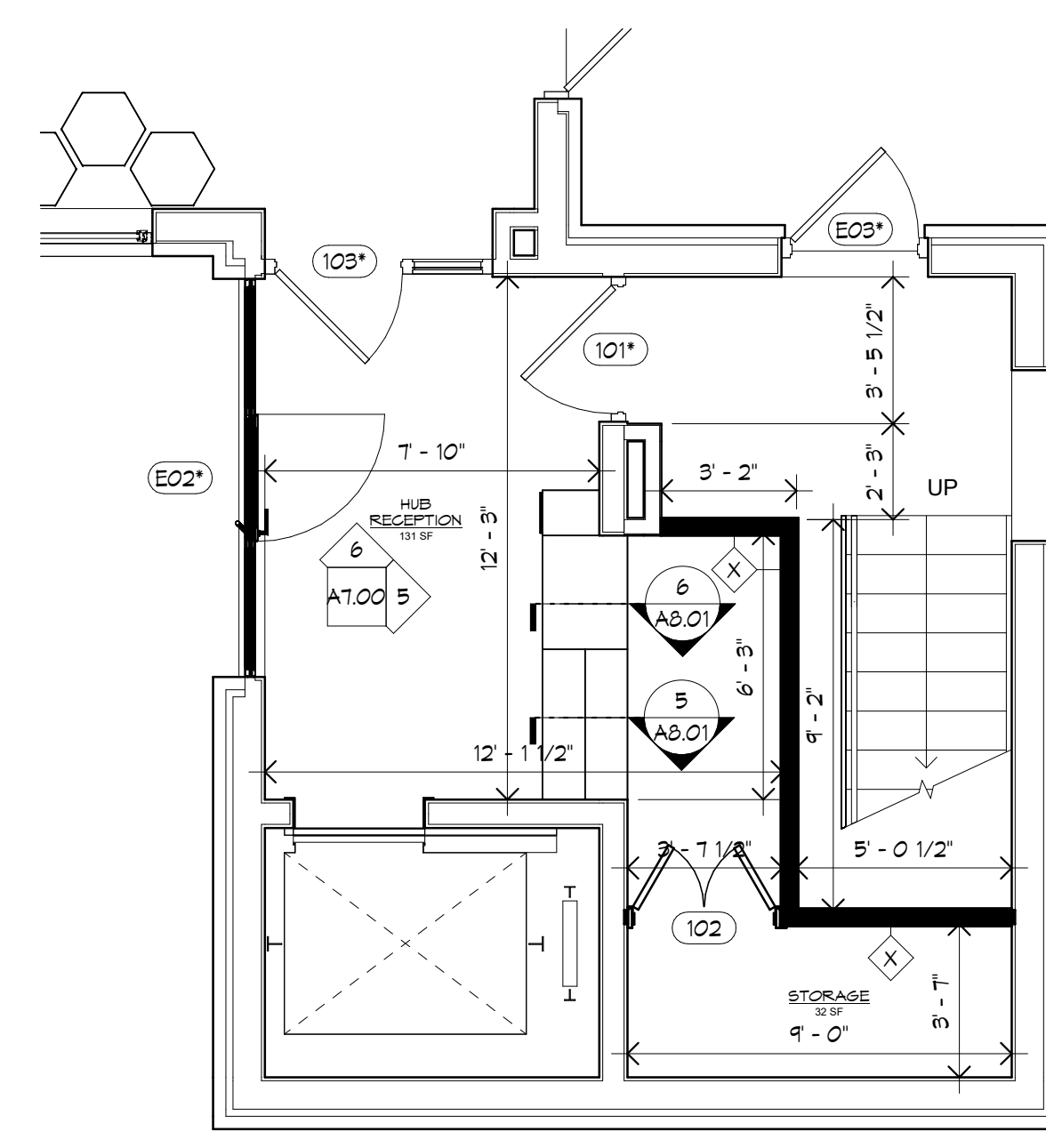
1 Shower Room
A2.00 1/2" = 1'-0"



2 ENLARGED FLOOR PLAN CYBER LOBBY
A2.00 1/4" = 1'-0"



KeyPlan Enlarged Plans
1/16" = 1'-0"

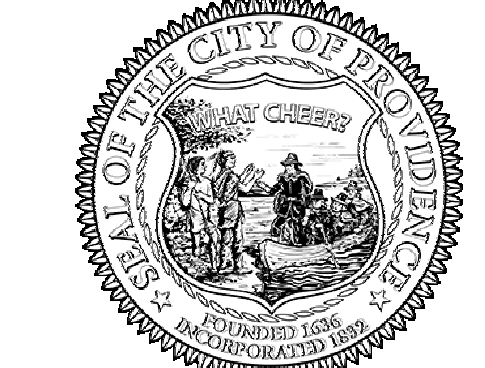


3 ENLARGED FLOOR PLAN HUB RECEPTION
A2.00 1/4" = 1'-0"

NOTE:
ALL ROOMS AND SPACES TO RECEIVE INTERIOR
SIGNAGE AS SPECIFIED IN SECTION 101400.
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Date: 05/21/2025		
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Revisions		
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1	5/21/25	ADDENDUM 1

ENLARGED FLOOR PLANS

A2.00

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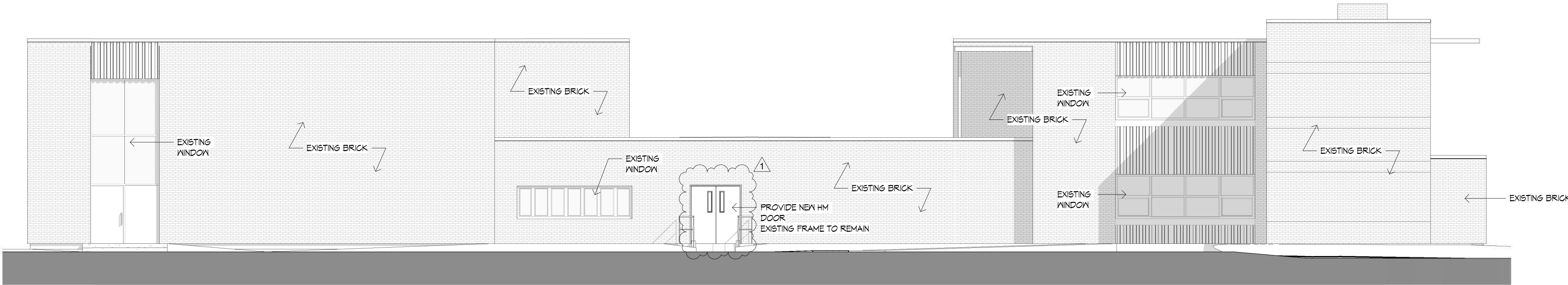
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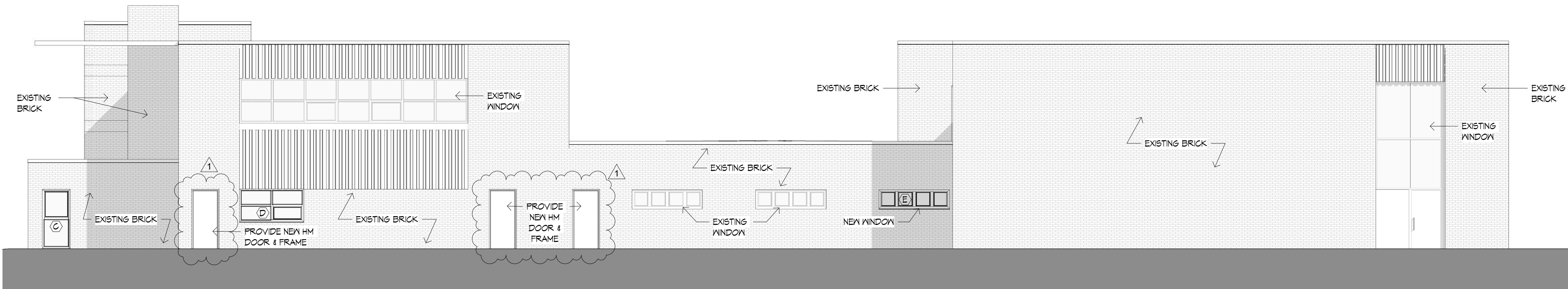
No.	Date	Description
1	5/21/25	ADDENDUM 1

BUILDING ELEVATIONS

A3.00



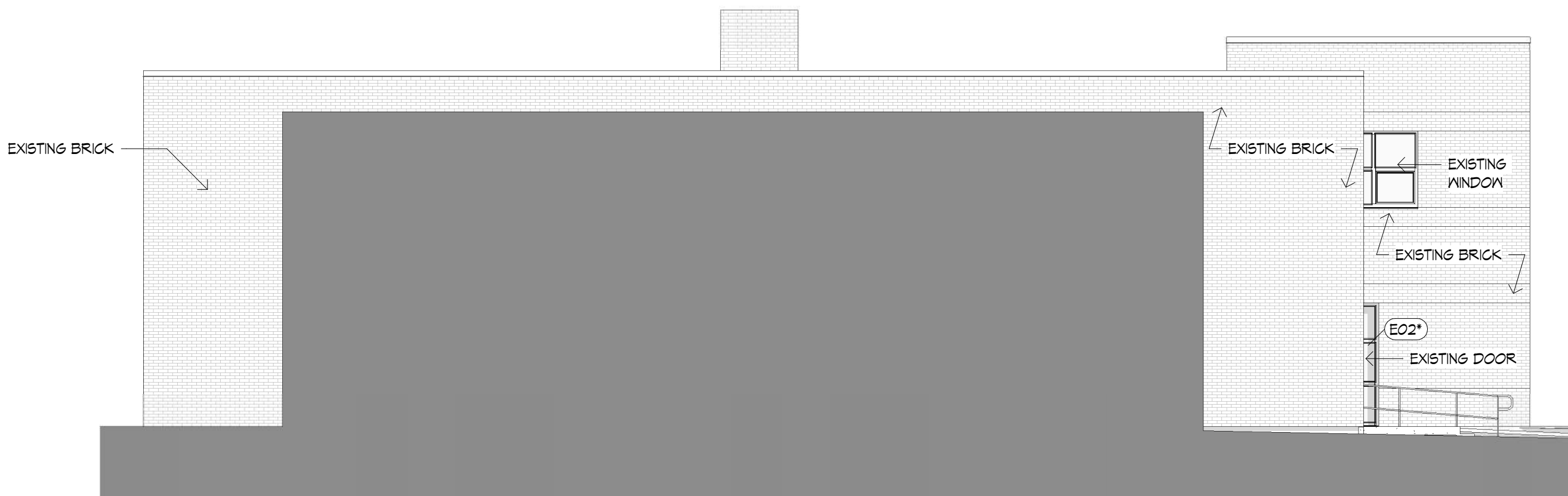
1 NW Elevation
A3.00 1/8" = 1'-0"



2 SE Elevation
A3.00 1/8" = 1'-0"



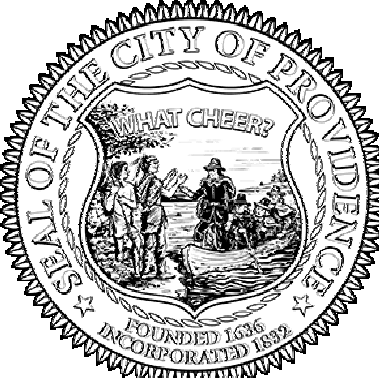
3 SW Elevation
A3.00 1/8" = 1'-0"



4 NE Elevation
A3.00 1/8" = 1'-0"

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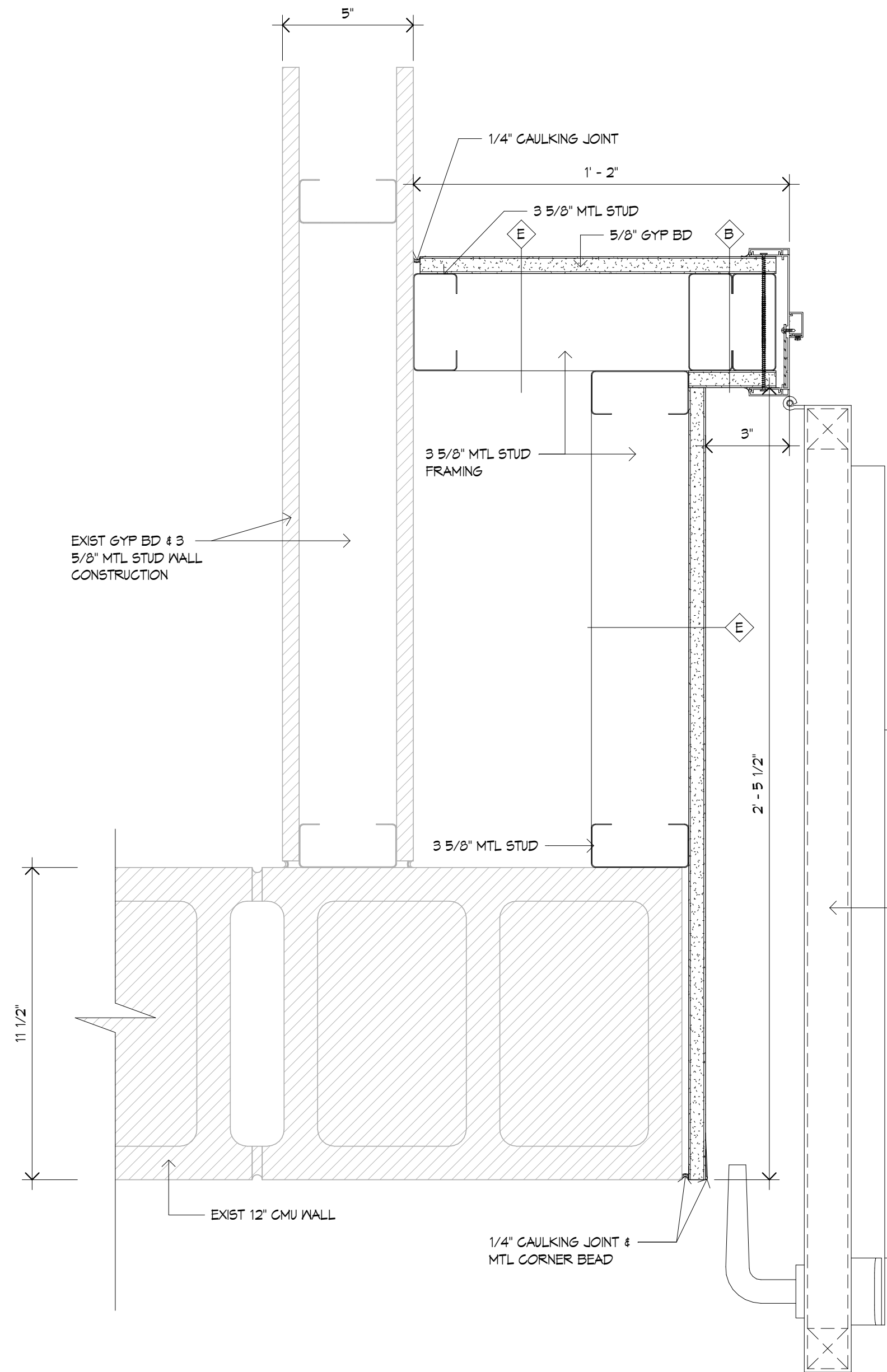
Drawn by: Author Proj. Mgr.: checker

Revisions

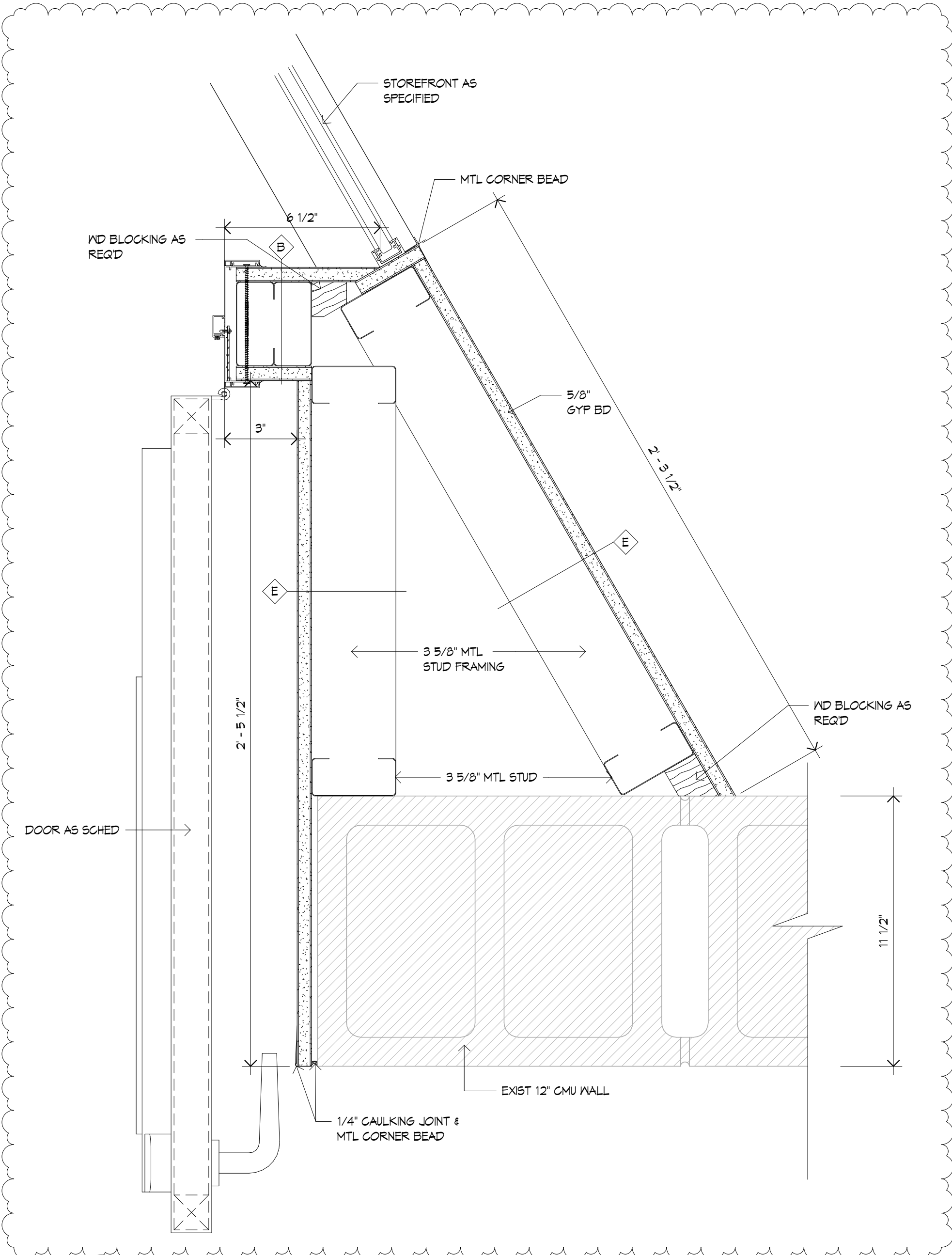
No.	Date	Description
1	5/21/25	APPENDUM 1

PLAN DETAILS

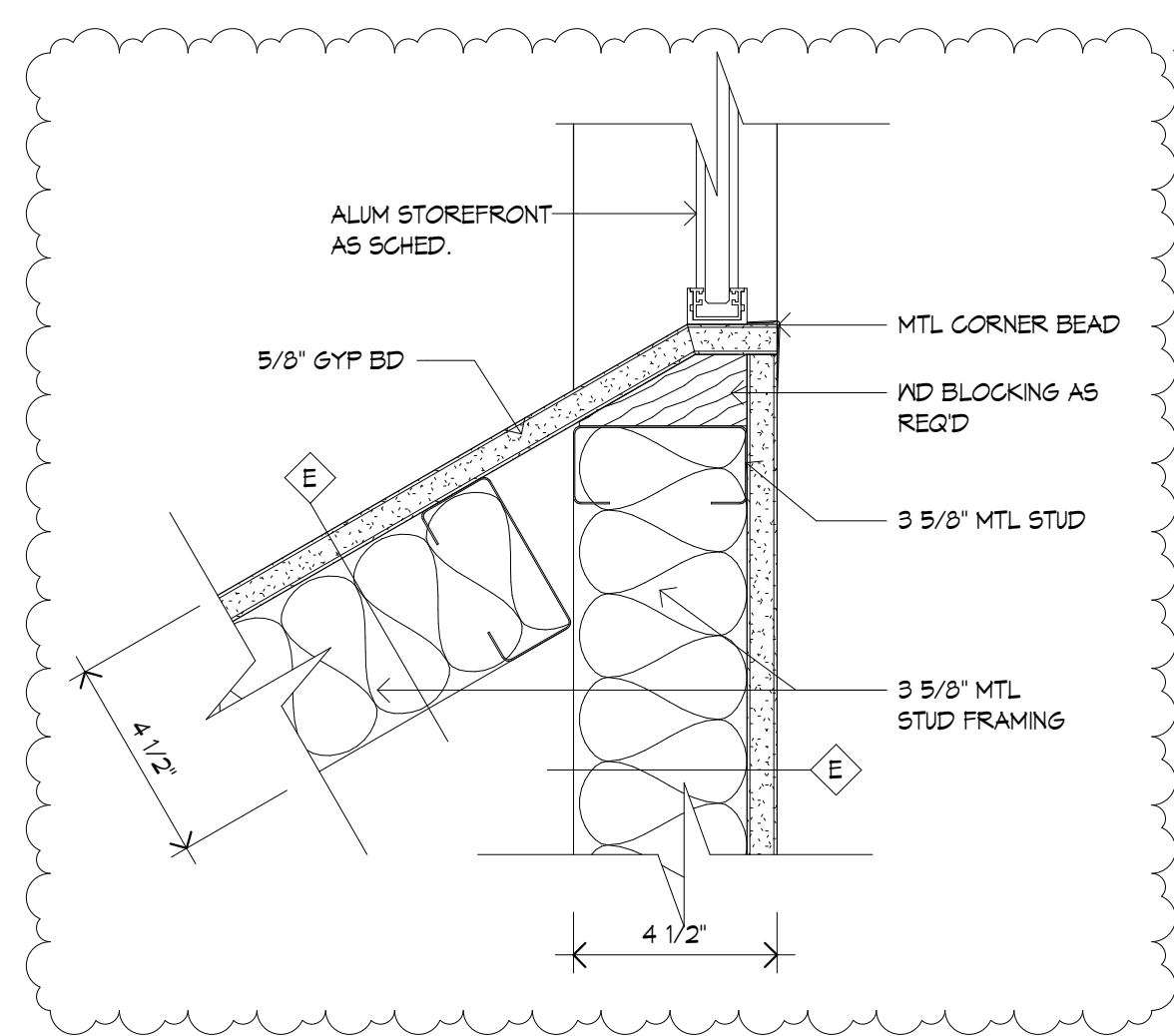
A5.01



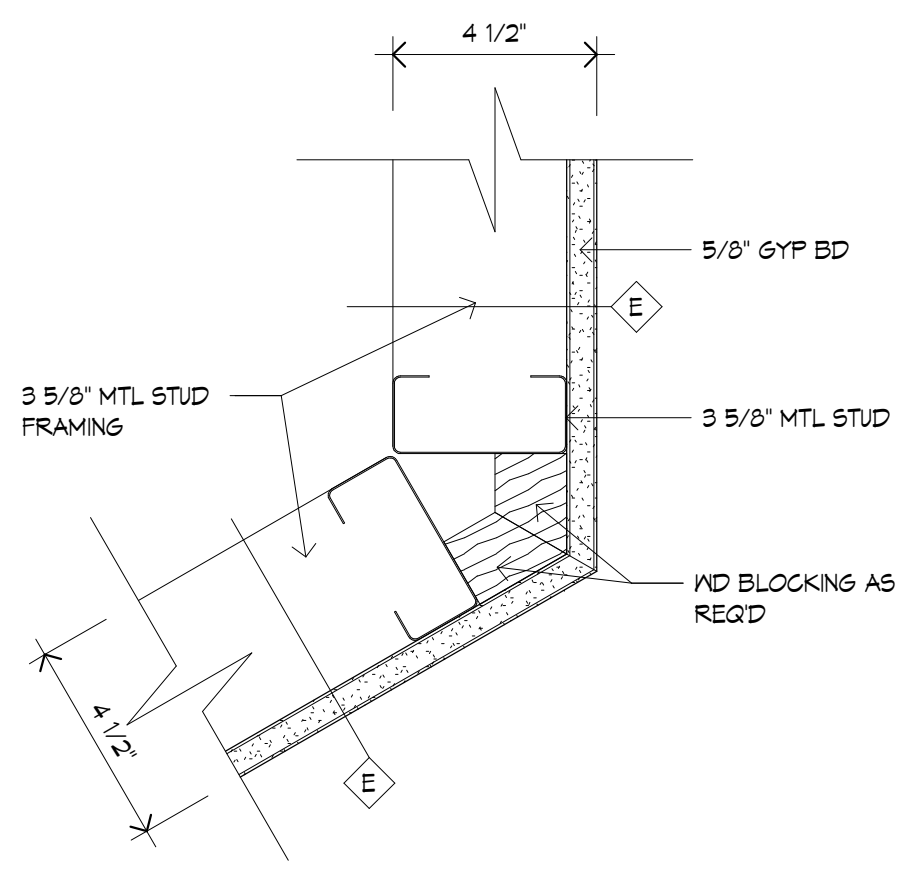
1 Plan Detail
A5.01 3" = 1'-0"



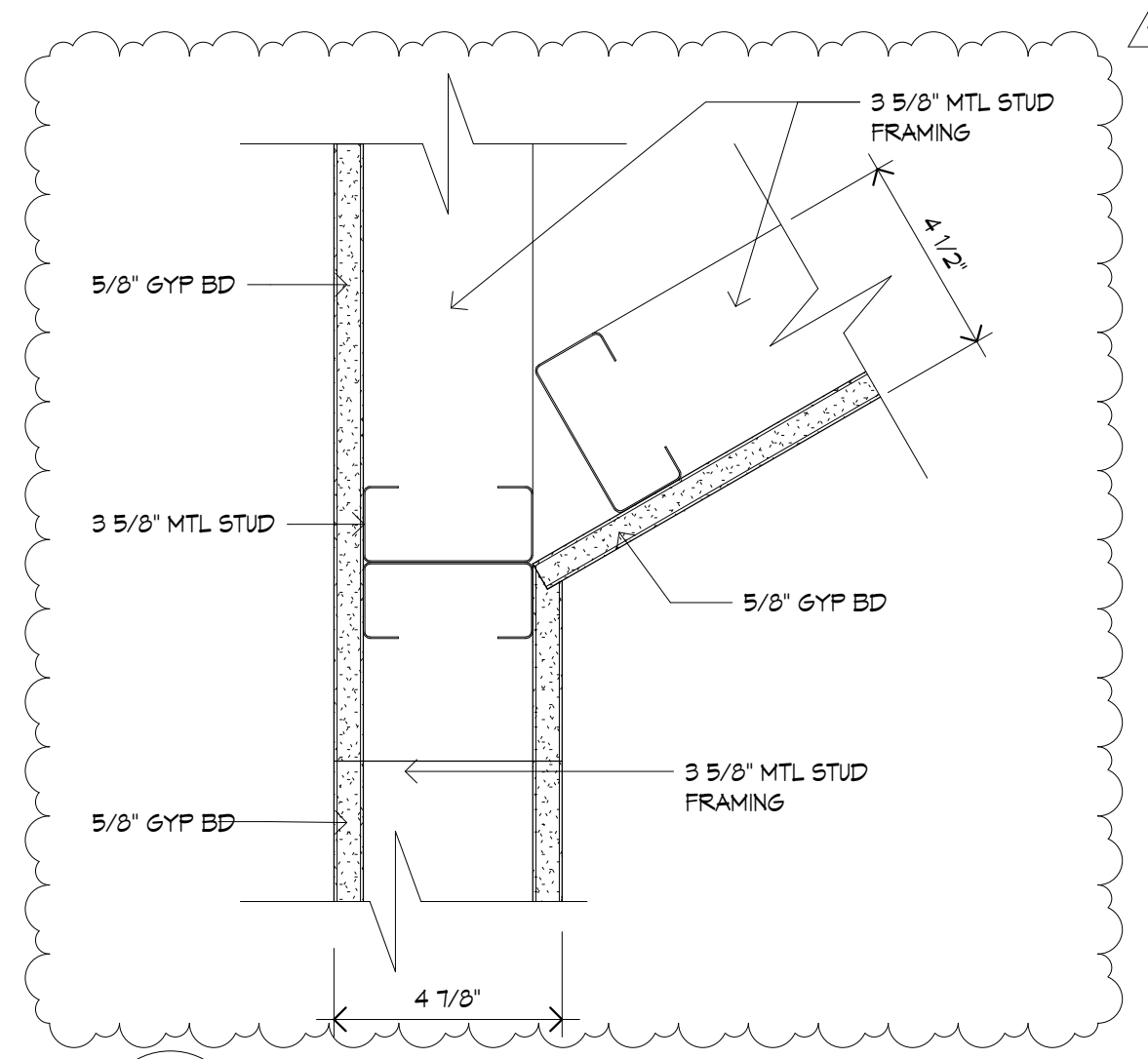
2 Plan Detail
A5.01 3" = 1'-0"



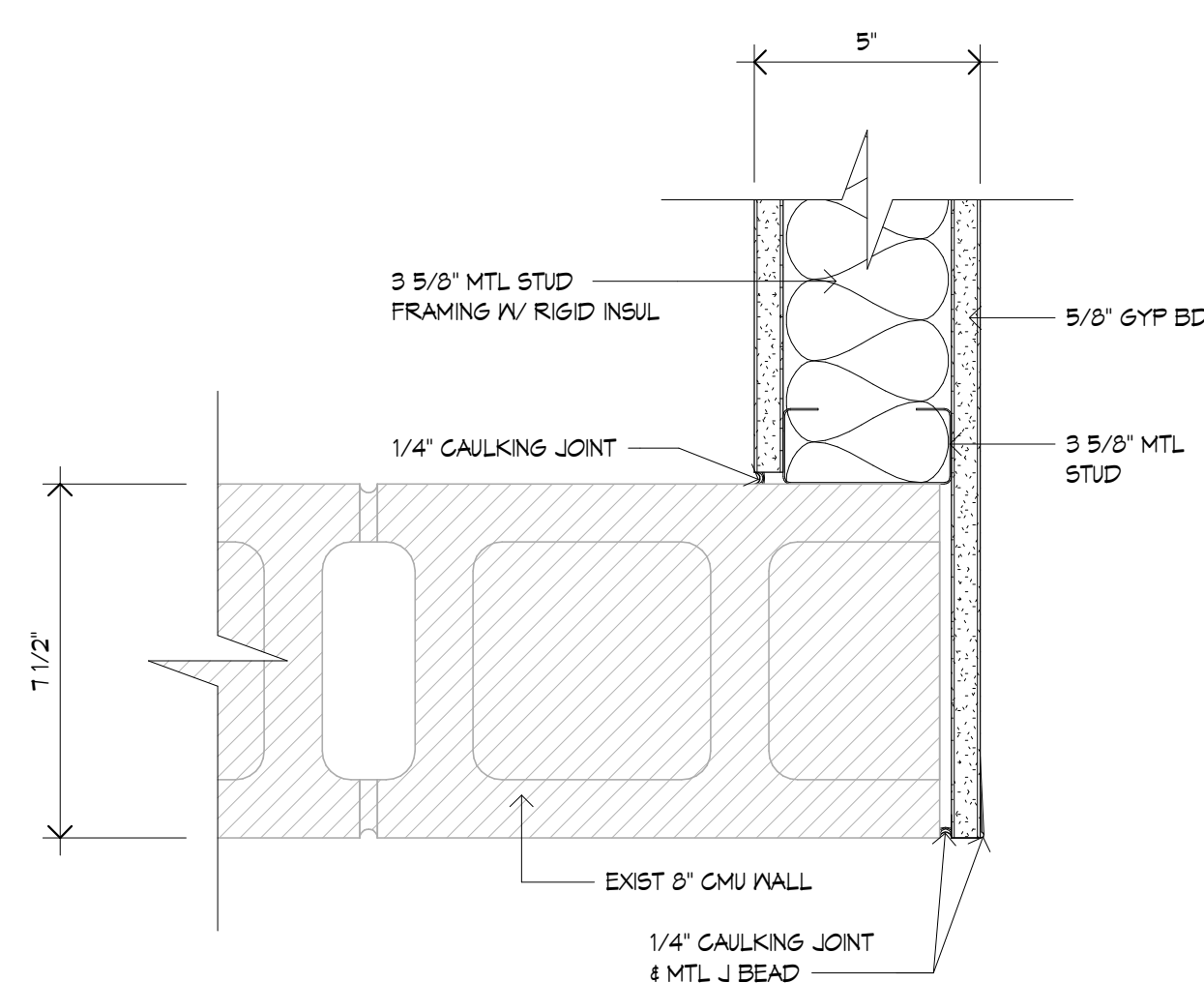
3 Plan - Pod Walls 1
A5.01 3" = 1'-0"



4 Plan - Pod Walls 2
A5.01 3" = 1'-0"



5 Plan - Pod Walls 3
A5.01 3" = 1'-0"



6 Plan Detail
A5.01 3" = 1'-0"

JOSLIN RECREATION
CENTER - CPF
RENOVATION

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Date: 05/21/2025

Drawn by: Author Proj. Mgr.: checker

Revisions

No.	Date	Description
1	5/21/25	ADDENDUM 1

DOOR SCHEDULE

A6.00

DOOR SCHEDULE

* DENOTES EXISTING DOOR & FRAME

* DENOTES EXISTING DOOR & FRAME

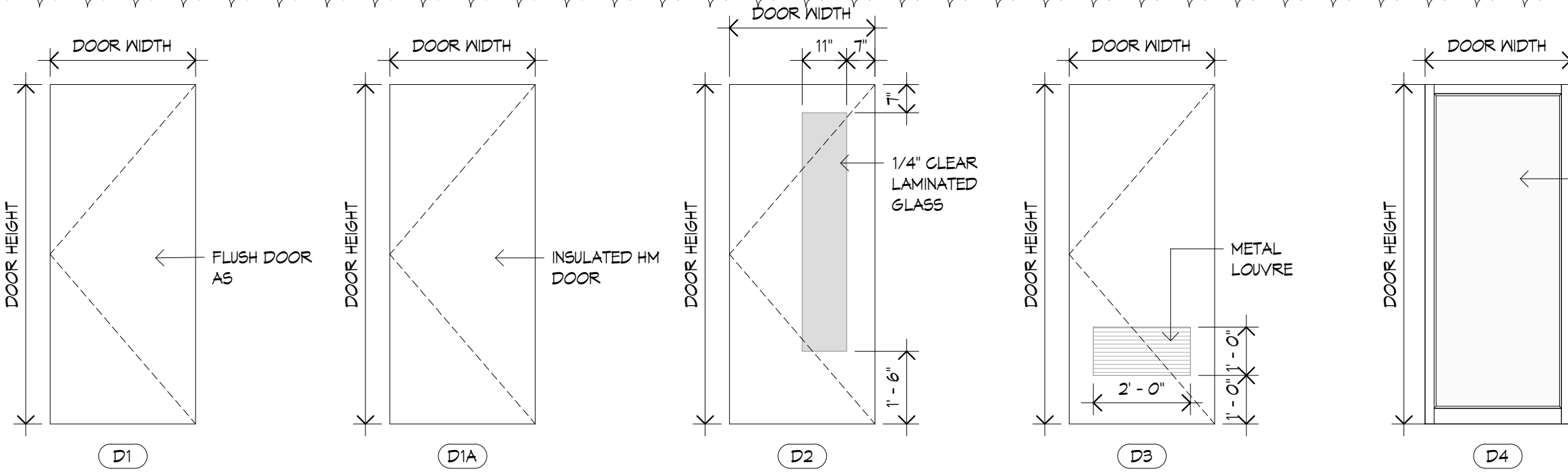
#	DOOR						FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME			WIDTH	HW SET	LABEL	REMARKS
	WIDTH	HEIGHT	THICK	TYPE	MAT	FIN				HEAD	JAMB	SILL				
1st Floor																
101*	3' - 0"	T - 0"	1 3/4"	-	-	-	-	-	-	-	-	-	-	ETR	-	Existing to Remain
102	3' - 4"	T - 0"	1 3/4"	D1	VD	PNT	F1	HM	PNT	1/A6.00	2/A6.00	-	7 1/8"	1	90	FIRE RATED
103*	3' - 0"	T - 0"	1 3/4"	-	-	-	-	-	-	-	-	-	-	13	-	Existing to Remain
103A	6' - 0"	T - 0"	1 3/4"	D2	VD	PNT	F1	HM	PNT	1/A6.00	2/A6.00	-	5 7/8"	2	-	-
103B	3' - 0"	T - 0"	1 3/4"	D4	-	-	F4	A1	-	10/A6.01	11/A6.01	-	5 7/8"	3	-	KAWNEER190 DOOR
103C	3' - 0"	T - 0"	1 3/4"	D4	-	-	F4	A1	-	10/A6.01	11/A6.01	-	5 7/8"	3	-	KAWNEER190 DOOR
103D	2' - 6"	T - 0"	1 3/4"	D4	-	-	F4	A1	-	10/A6.01	11/A6.01	-	5 7/8"	3	-	KAWNEER190 DOOR
103E	3' - 0"	T - 0"	1 3/4"	D4	-	-	F4	A1	-	10/A6.01	11/A6.01	-	5 7/8"	3	-	KAWNEER190 DOOR
103F	2' - 6"	T - 0"	1 3/4"	D4	-	-	F4	A1	-	10/A6.01	11/A6.01	-	5 7/8"	3	-	KAWNEER190 DOOR
105	6' - 0"	T - 0"	1 3/4"	D2	VD	PNT	F1	HM	PNT	3/A6.00	4/A6.00	-	5 3/4"	4	-	-
106	3' - 8"	T - 0"	1 3/4"	D1	VD	PNT	F1	HM	PNT	1/A6.00	2/A6.00	-	5 7/8"	1	-	-
107	6' - 0"	T - 0"	1 3/4"	D2	VD	PNT	F1	HM	PNT	1/A6.00	2/A6.00	-	5 7/8"	4	-	-
108	3' - 0"	T - 0"	1 3/4"	D1	VD	PNT	F1	HM	PNT	1/A6.00	2/A6.00	-	5 7/8"	5	-	-
109*	3' - 0"	T - 0"	1 3/4"	-	-	-	-	-	-	-	-	-	-	ETR	-	Existing to Remain
110	3' - 0"	T - 0"	1 3/4"	D1	VD	PNT	F1	HM	PNT	1/A6.00	2/A6.00	-	5 7/8"	6	-	-
111	3' - 0"	T - 0"	1 3/4"	D1	VD	PNT	F1	HM	PNT	3/A6.00	4/A6.00	-	5 3/4"	7	90	FIRE RATED
112	3' - 0"	T - 0"	1 3/4"	D1	VD	PNT	F1	HM	PNT	1/A6.00	2/A6.00	-	7 1/8"	8	90	FIRE RATED
112A*	3' - 0"	T - 0"	1 3/4"	-	-	-	-	-	-	-	-	-	-	ETR	-	Existing to Remain
113*	3' - 0"	T - 0"	1 3/4"	-	-	PNT	F2	HM	PNT	3/A6.00	4/A6.00	-	-	ETR	-	Existing to Remain - Replace wood trim & repair Jamb if necessary
114*	3' - 0"	T - 0"	1 3/4"	-	-	PNT	F2	HM	PNT	3/A6.00	4/A6.00	-	-	ETR	-	Existing to Remain - Replace wood trim & repair Jamb if necessary
115	3' - 0"	T - 0"	1 3/4"	D3	VD	PNT	F2	HM	PNT	3/A6.00	4/A6.00	-	-	ETR	-	Reuse existing hardware
116*	3' - 0"	T - 0"	1 3/4"	-	-	PNT	F2	HM	PNT	3/A6.00	4/A6.00	-	-	ETR	-	Existing to Remain - Replace wood trim & repair Jamb if necessary
117	6' - 0"	T - 0"	1 3/4"	-	-	PNT	F2	HM	PNT	3/A6.00	4/A6.00	-	-	20	-	RELOCATE DOORS
118*	3' - 0"	T - 0"	1 3/4"	-	-	PNT	F2	HM	PNT	3/A6.00	4/A6.00	-	-	ETR	-	Existing to Remain
118A	3' - 8"	T - 0"	1 3/4"	D1	VD	PNT	F1	HM	PNT	1/A6.00	2/A6.00	-	5 7/8"	1	-	-
119*	3' - 0"	T - 0"	1 3/4"	-	-	PNT	F2	HM	PNT	3/A6.00	4/A6.00	-	-	ETR	-	Existing to Remain
120	6' - 0"	T - 0"	1 3/4"	D2	VD	PNT	F1	HM	PNT	1/A6.00	2/A6.00	-	5 7/8"	9	-	-
120A*	3' - 0"	T - 0"	1 3/4"	-	-	PNT	-	-	PNT	-	-	-	-	ETR	-	Existing to Remain
121	3' - 0"	T - 0"	1 3/4"	D3	VD	PNT	F2	HM	PNT	3/A6.00	4/A6.00	-	-	ETR	-	Reuse existing hardware
122*	3' - 0"	T - 0"	1 3/4"	-	-	PNT	F2	HM	PNT	3/A6.00	4/A6.00	-	-	ETR	-	Existing to Remain
123*	6' - 0"	T - 0"	1 3/4"	-	-	PNT	-	-	PNT	-	-	-	-	18	-	Existing to Remain - Provide new hardware set as scheduled
E01	6' - 0"	T - 0"	1 3/4"	D5	HM	PNT	F3	-	PNT	10/A6.04	8/A6.04	-	7 1/8"	14	-	Existing hollow metal frame to remain, remove center mullion - provide new doors, center mullion, & hardware as scheduled
E02*	4' - 4"	D' - 8' 7/32"	2 24/32"	-	-	-	-	-	-	-	-	-	-	15	-	Existing to Remain - Provide new hardware set as scheduled
E03*	3' - 0"	T - 0"	1 3/4"	-	-	PNT	-	-	PNT	-	-	-	-	ETR	-	Existing to Remain
E04*	5' - 0"	T - 0"	1 3/4"	-	-	PNT	-	-	PNT	-	-	-	-	16	-	Existing to Remain - Provide new hardware set as scheduled
E05	3' - 0"	T - 0"	1 3/4"	D1A	HM	PNT	F1A	-	PNT	12/A6.04	9/A6.04	-	5 3/4"	19	-	New insulated HM door and frame. New hardware as scheduled
E06	3' - 0"	T - 0"	1 3/4"	D1A	HM	PNT	F1A	-	PNT	12/A6.04	9/A6.04	-	5 3/4"	19	-	New insulated HM door and frame. New hardware as scheduled
E07	3' - 0"	T - 0"	1 3/4"	D1A	HM	PNT	F1A	-	PNT	12/A6.04	9/A6.04	-	5 3/4"	19	-	New insulated HM door and frame. New hardware as scheduled
E08*	3' - 0"	T - 0"	1 3/4"	-	-	PNT	-	-	PNT	-	-	-	-	ETR	-	Existing to Remain
E09	3' - 10 1/2"	T - 1 1/32"	2"	D6	FRP	PNT	FRP	A1	-	-	-	-	4 1/2"	17	-	New FRP Door in Alum Frame
E10	3' - 11 7/8"	T - 1 1/32"	2"	D6	FR	PNT	-	A1	-	-	-	-	4 1/2"	17	-	New FRP Door in Alum Frame

DOOR SCHEDULE SECOND FLOOR

#	DOOR						FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME			HW SET	LABEL	REMARKS
	WIDTH	HEIGHT	THICK	TYPE	MAT	FIN				HEAD	JAMB	SILL			
2nd Floor															
200*	6' - 0"	7' - 0"	1 3/4"	-	HM	PNT	-	HM	PNT	-	-	-	ETR	-	EXISTING RELOCATED PAIR OF DOORS & FRAME. RE-USE AND INSTALL EXISTING HARDWARE AS REQUIRED.
201*	3' - 6"	7' - 0"	1 3/4"	-	HM	PNT	-	HM	PNT	-	-	-	11	-	NEW HARDWARE AS SCHEDULED
202*	3' - 0"	5' - 4"	1 3/4"	-	HM	PNT	-	HM	PNT	-	-	-	12	-	Existing to Remain - Provide new hardware set as scheduled
203*	3' - 0"	7' - 0"	1 3/4"	-	HM	PNT	-	HM	PNT	-	-	-	10	-	Existing to Remain - Provide new hardware set as scheduled

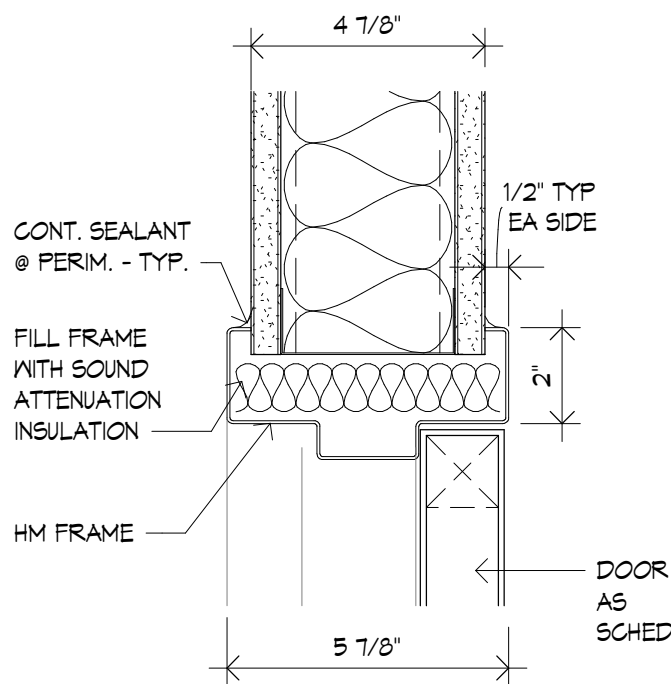
FRAME TYPES

3/8" = 1'-0"

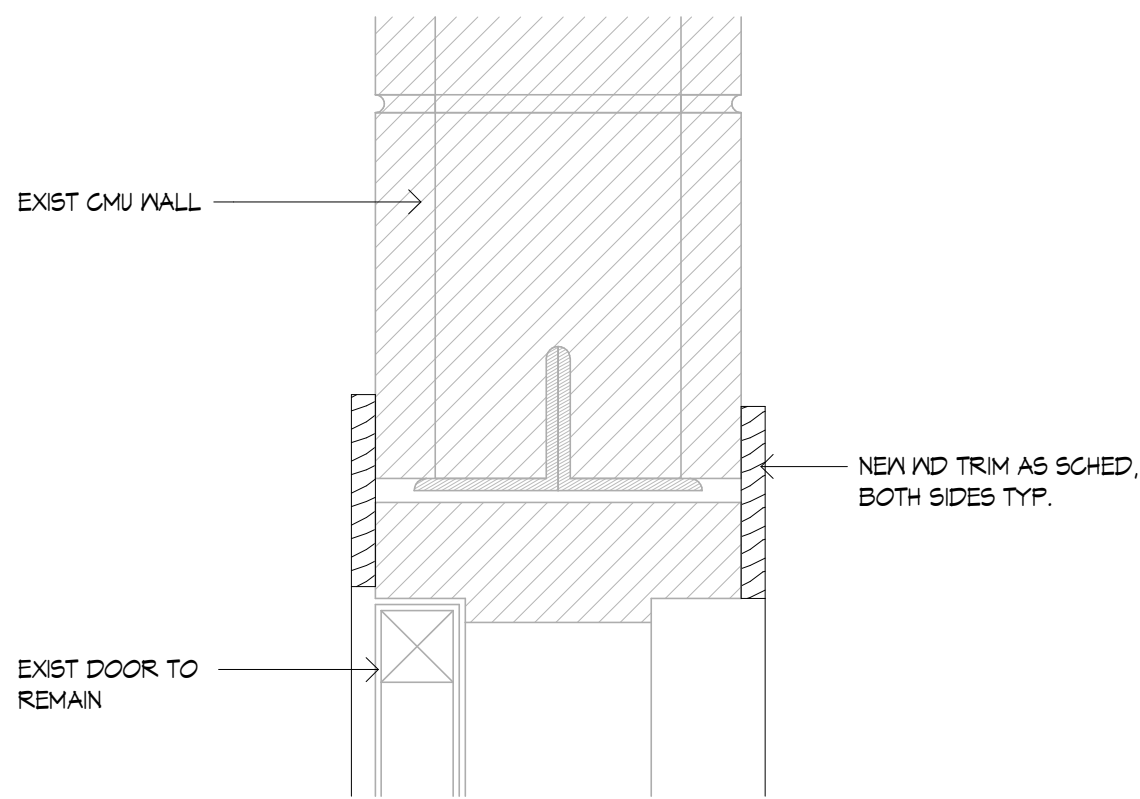


DOOR TYPES

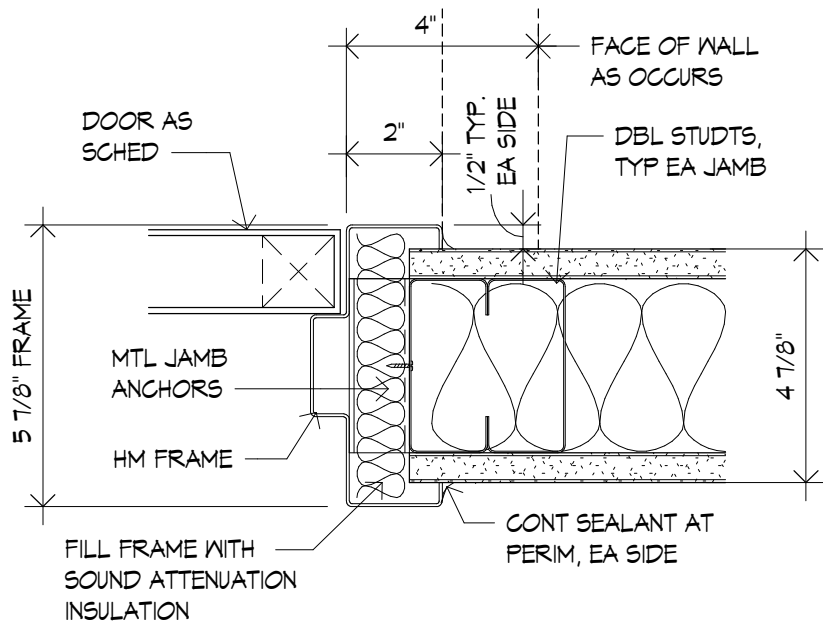
3/8" = 1'-0"



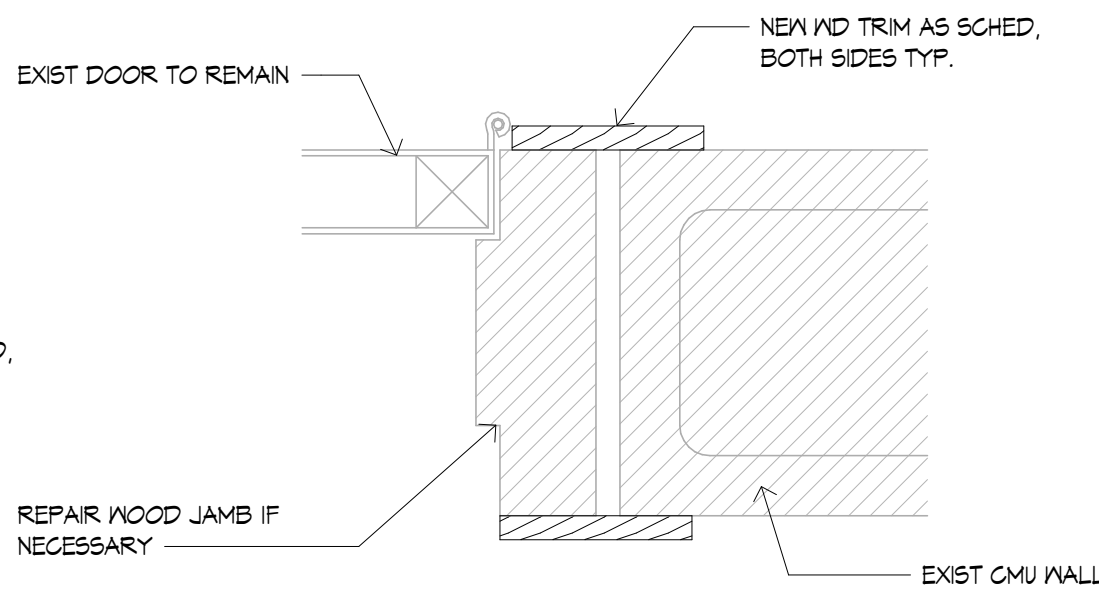
1 Door - HEAD - HM TYP
A6.00 3" = 1'-0"



3 JAMB - EXIST WOOD ON CMU
A6.00 3" = 1'-0"



2 Door - JAMB - HM TYP
A6.00 3" = 1'-0"



4 JAMB - EXIST WOOD ON CMU
A6.00 3" = 1'-0"

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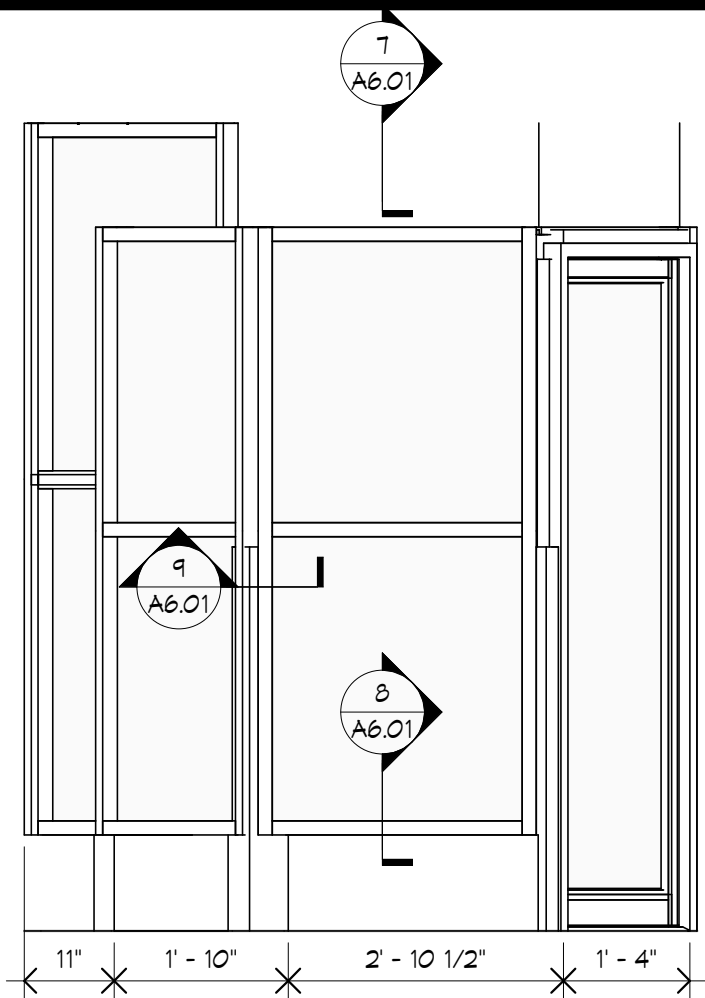
No.	Date	Description
1	5/21/25	APPENDUM 1

INTERIOR ALUMINIUM
FRAMES

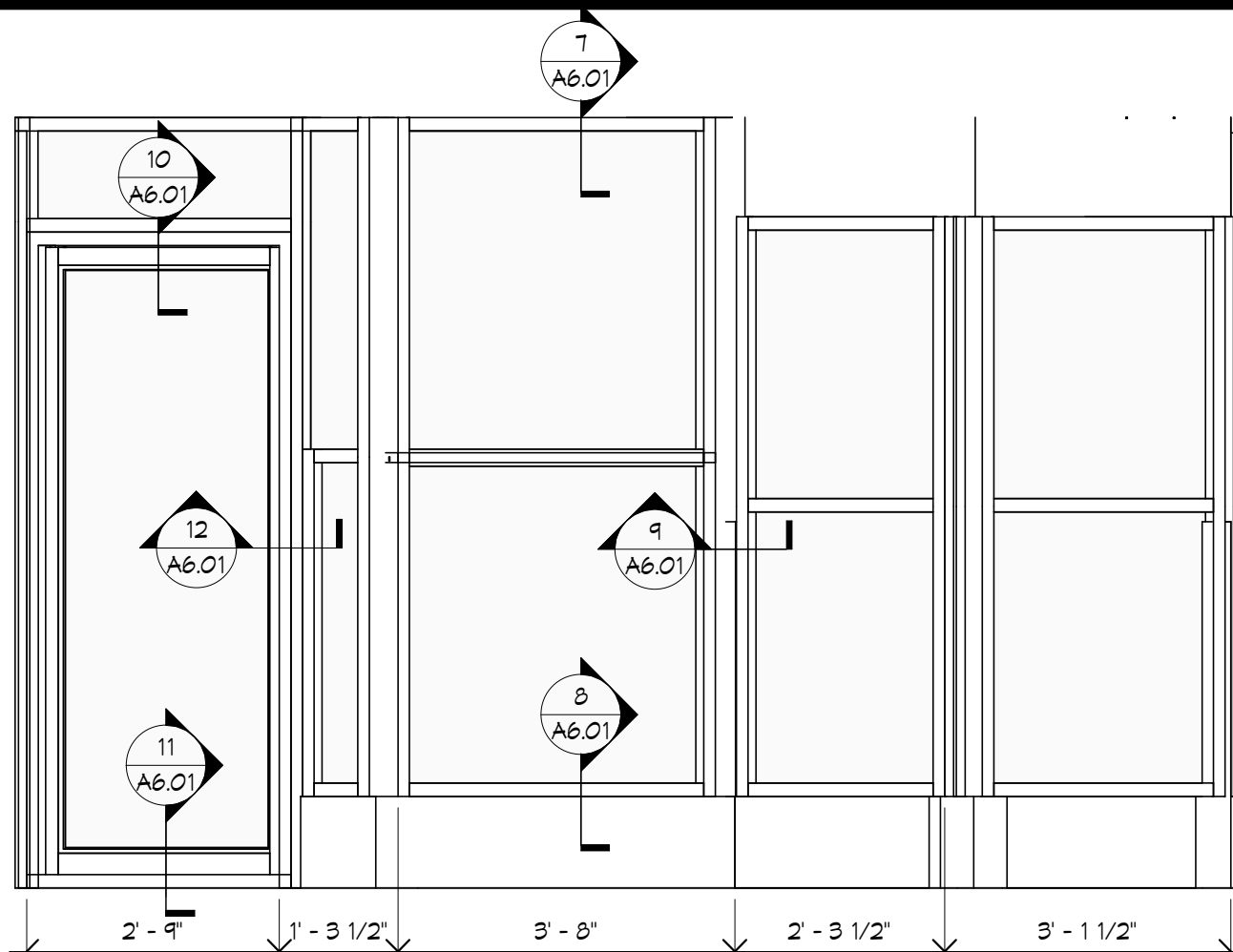
A6.01

23066 - A6.01

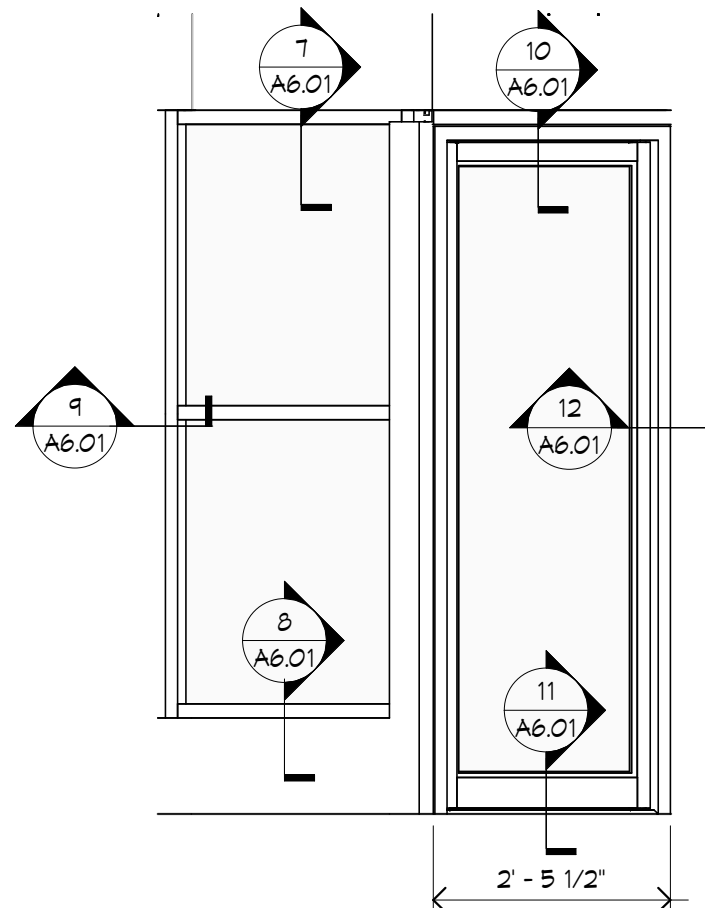
17 of 87



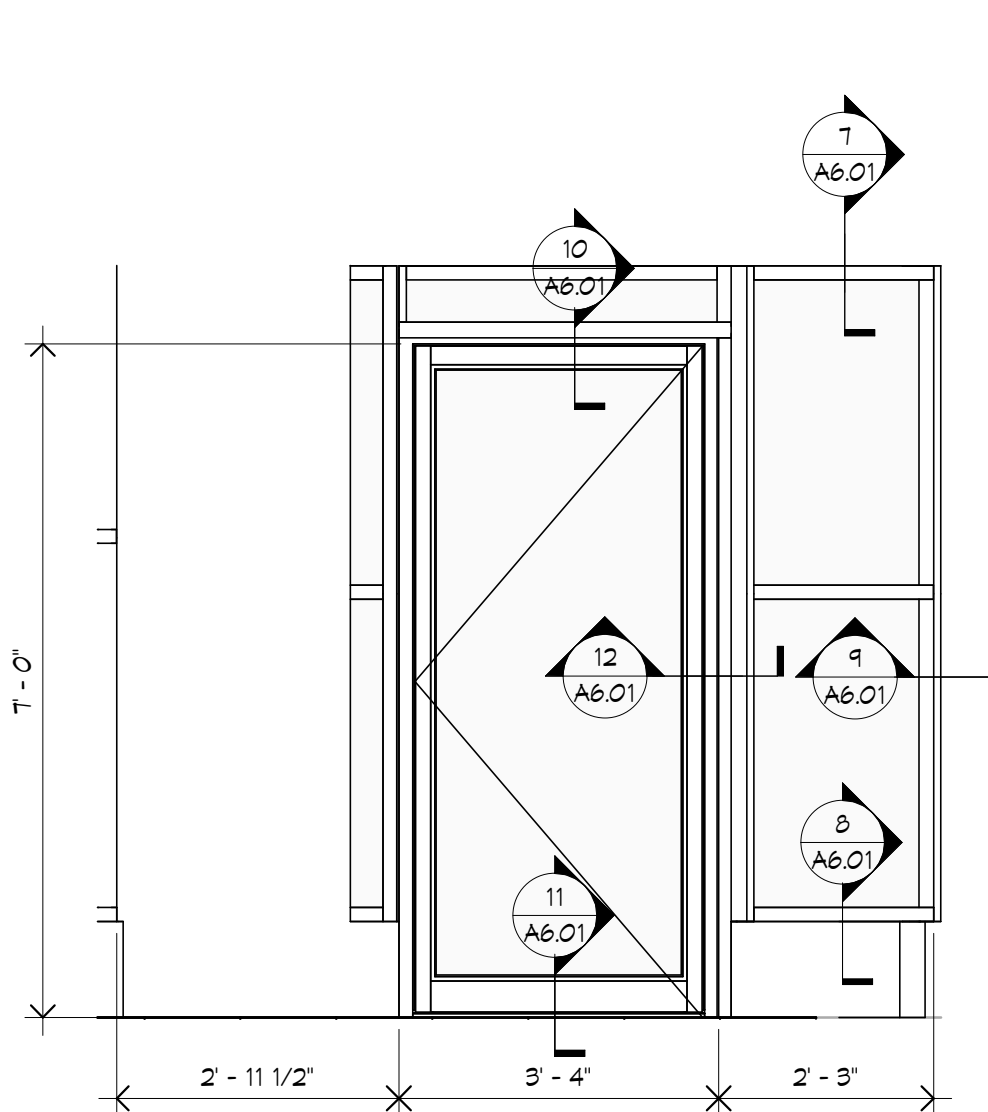
1 ALUMINUM STOREFRONT S1
A6.01 1/2" = 1'-0"



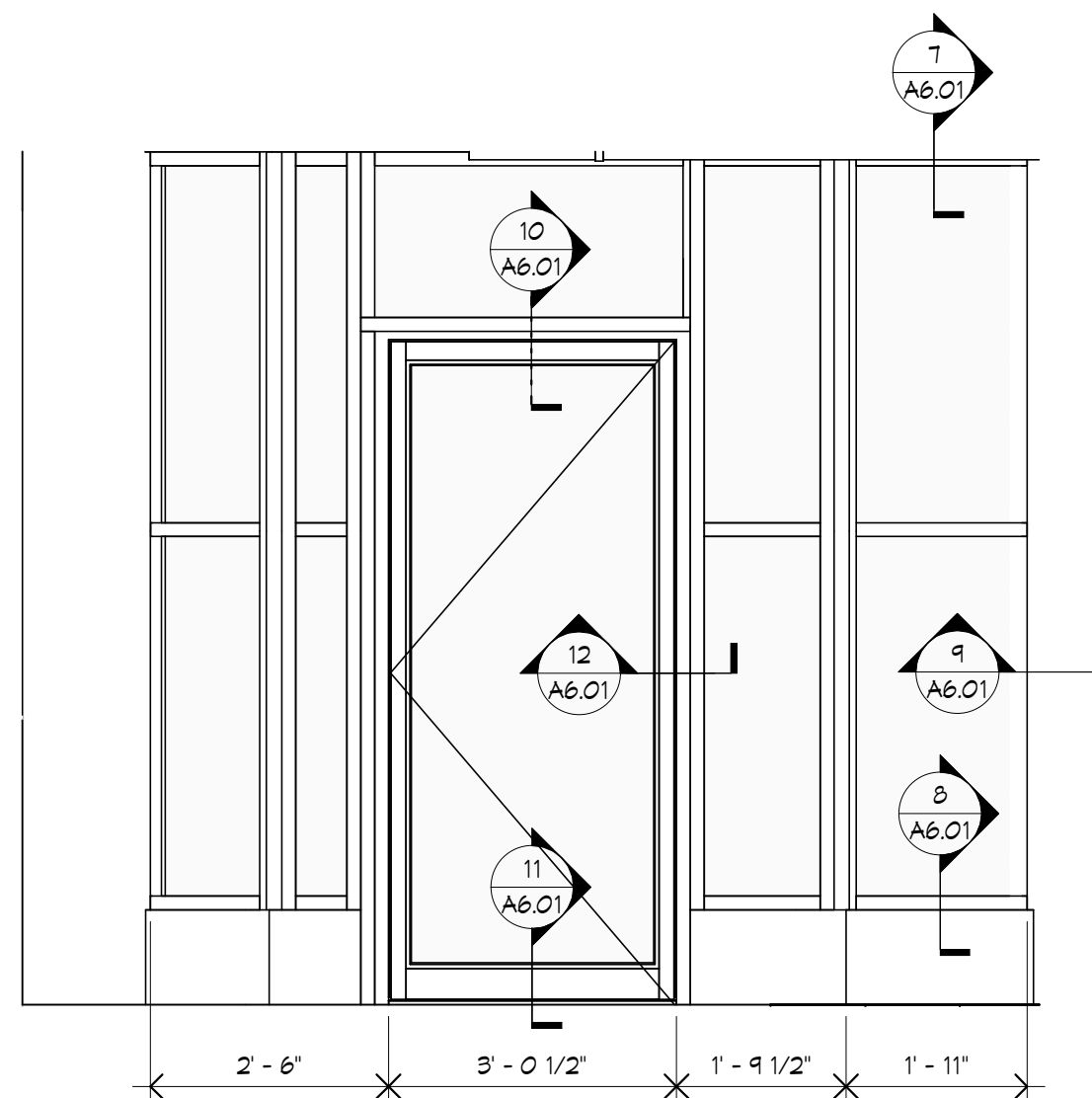
2 ALUMINUM STOREFRONT S2
A6.01 1/2" = 1'-0"



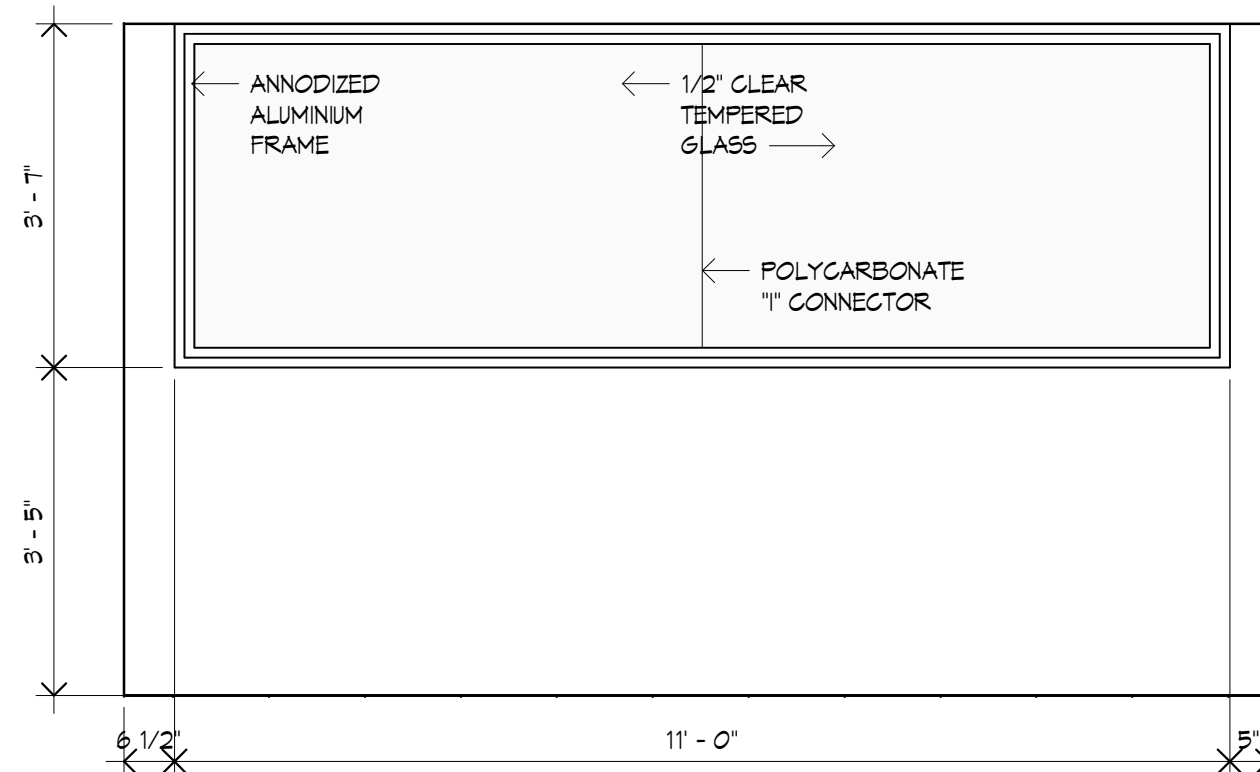
3 ALUMINUM STOREFRONT S3
A6.01 1/2" = 1'-0"



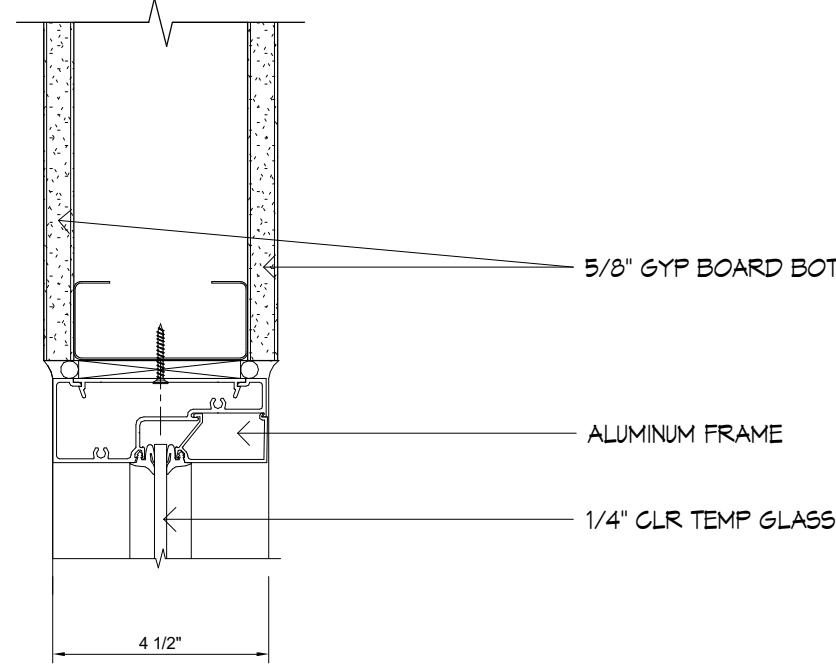
4 ALUMINUM STOREFRONT S4
A6.01 1/2" = 1'-0"



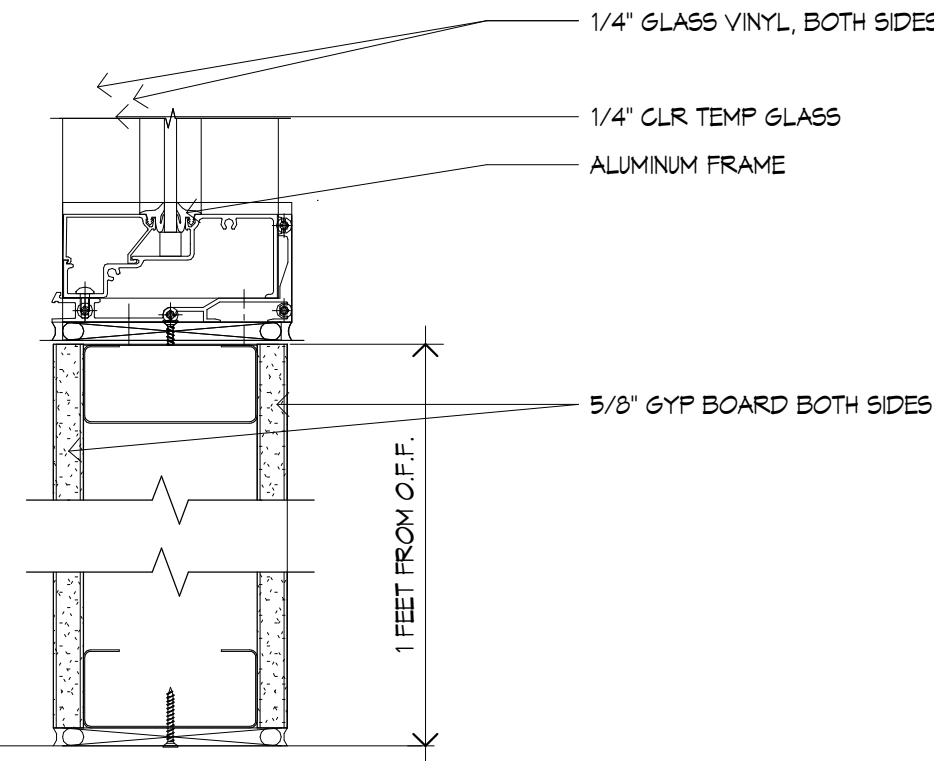
5 ALUMINUM STOREFRONT S5
A6.01 1/2" = 1'-0"



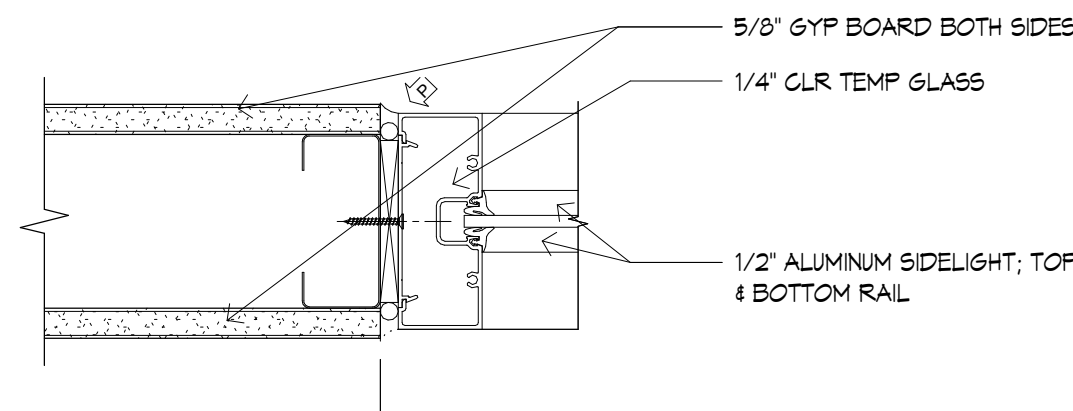
6 PASS THROUGH WINDOW
A6.01 1/2" = 1'-0"



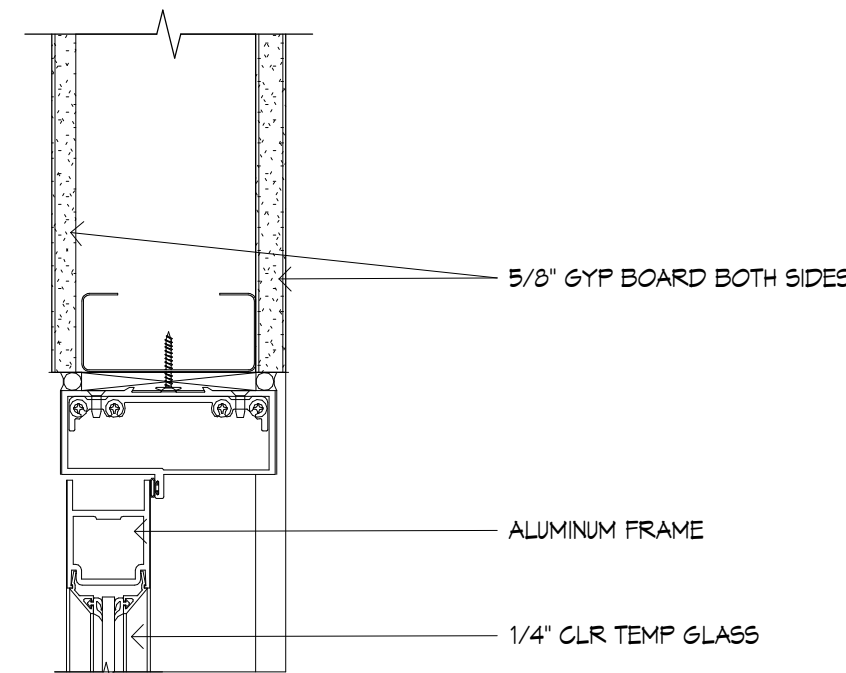
7 Kawneer Storefront Head Detail
A6.01 3" = 1'-0"



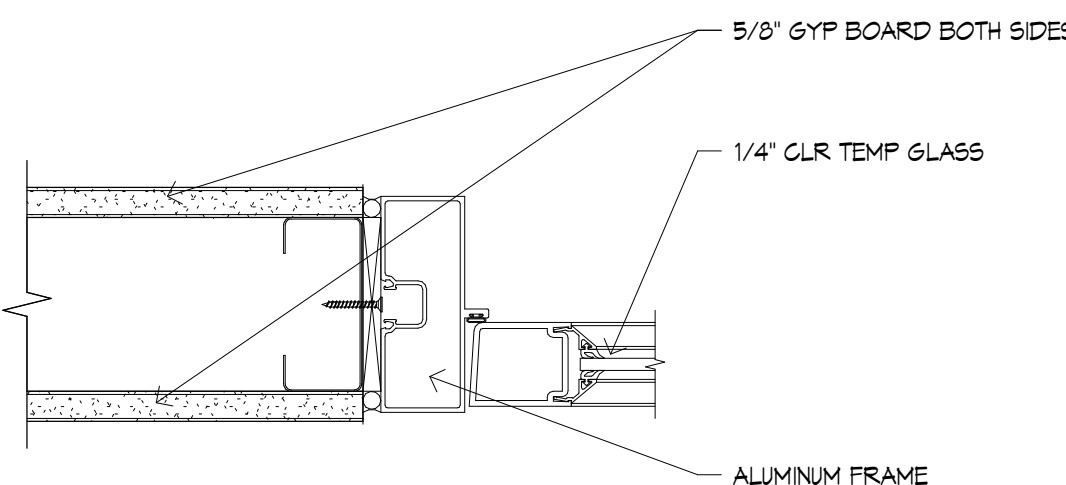
8 Kawneer Storefront Sill Detail
A6.01 3" = 1'-0"



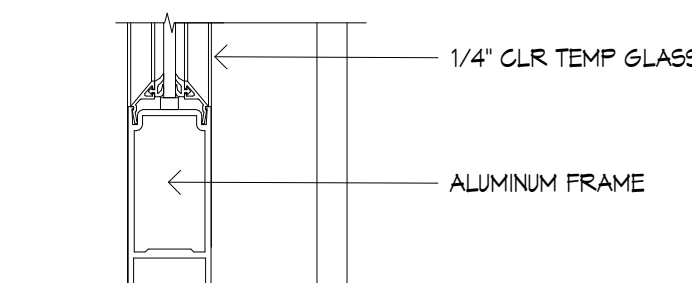
9 Kawneer Storefront Jamb Detail
A6.01 3" = 1'-0"



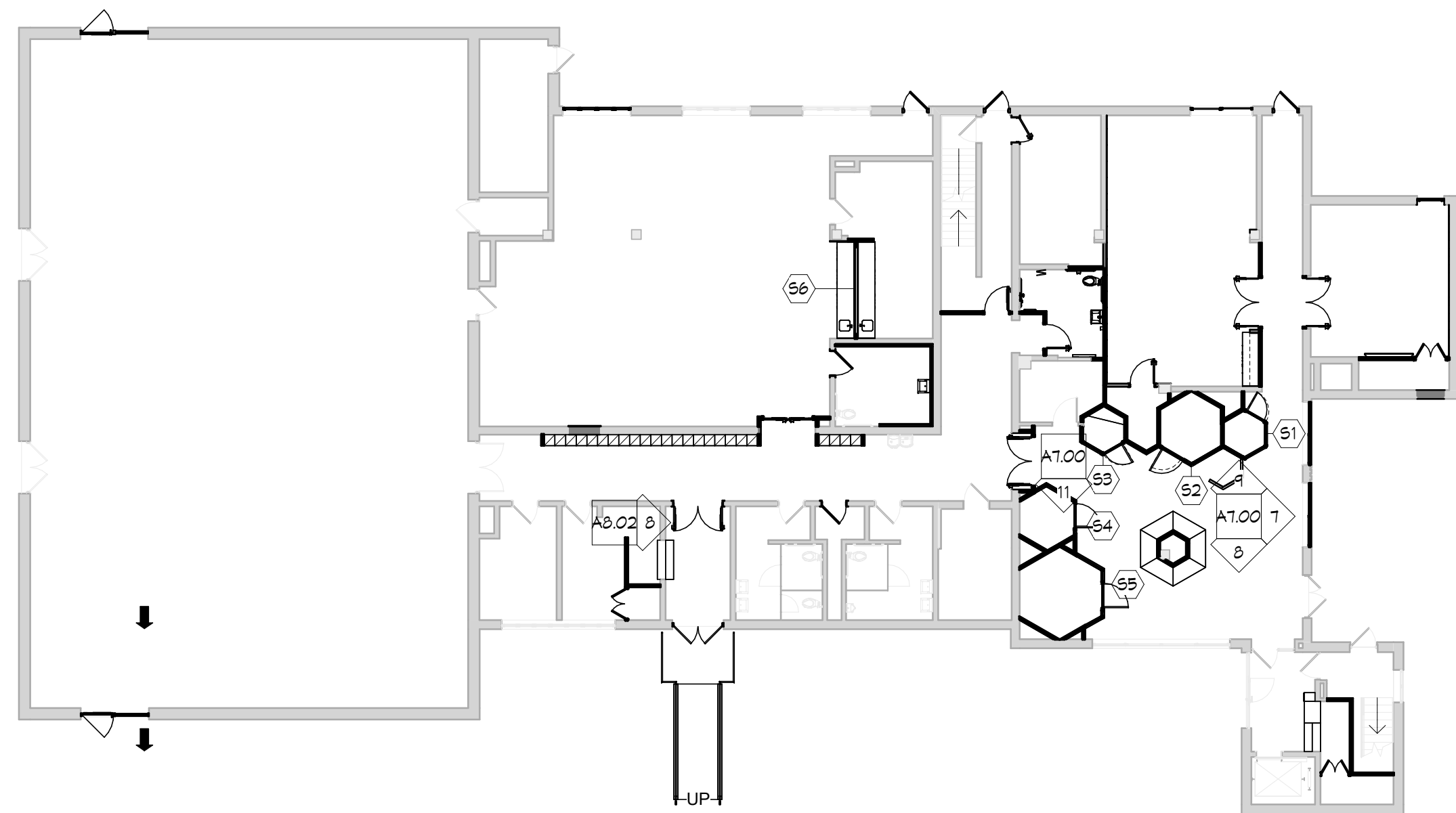
10 Kawneer Door Head Detail
A6.01 3" = 1'-0"



12 Kawneer Door Jamb Detail
A6.01 3" = 1'-0"



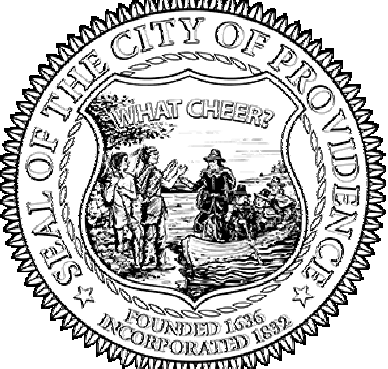
11 Kawneer Door Sill Detail
A6.01 3" = 1'-0"



KeyPlan
1/16" = 1'-0"

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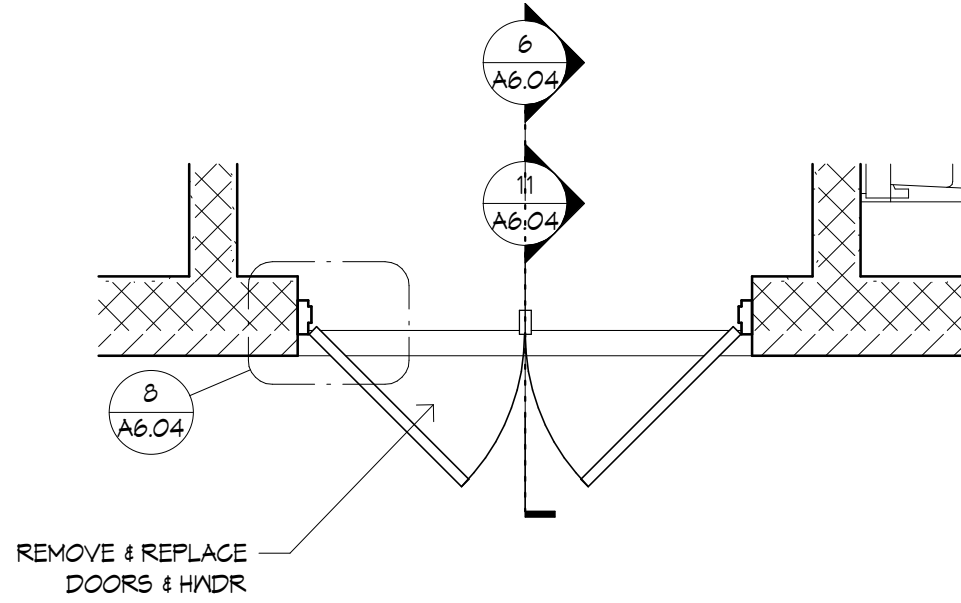
Drawn by: Author Proj. Mgr.: checker

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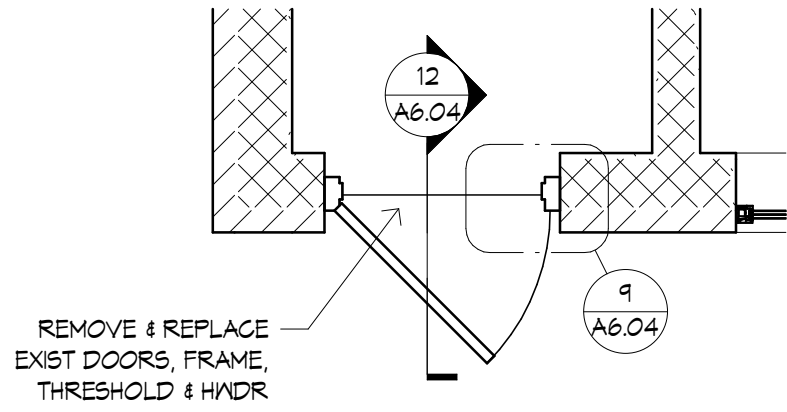
No.	Date	Description

EXTERIOR DOOR DETAILS

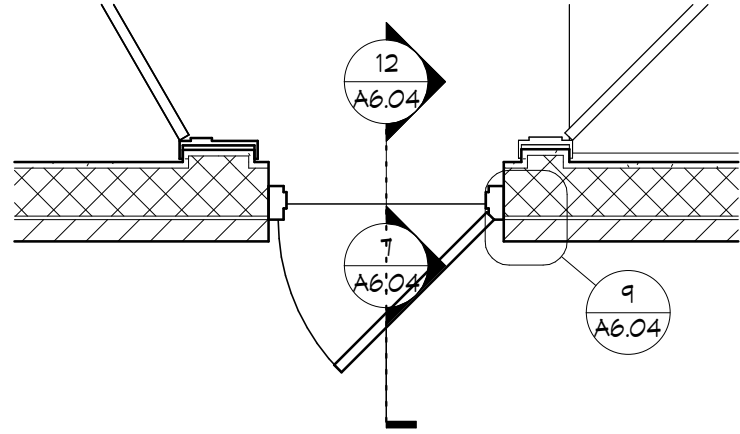
A6.04



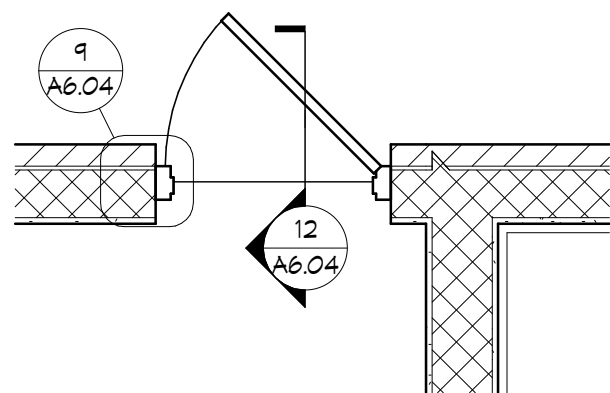
2 ENLARGED DOOR E.01 FRONT ENTRY
A6.04 3/8" = 1'-0"



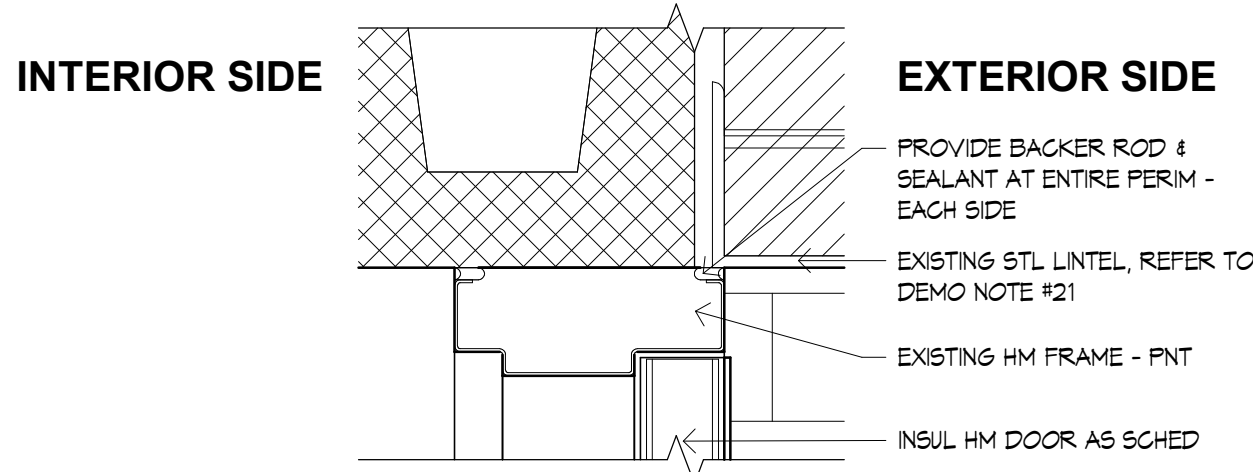
3 ENLARGED DOOR E05 CORRIDOR
A6.04 3/8" = 1'-0"



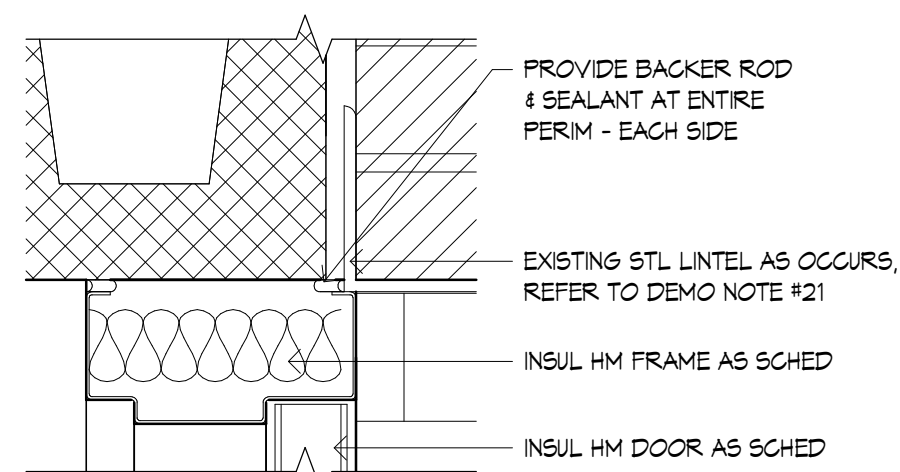
4 ENLARGED DOOR E06 CORRIDOR
A6.04 3/8" = 1'-0"



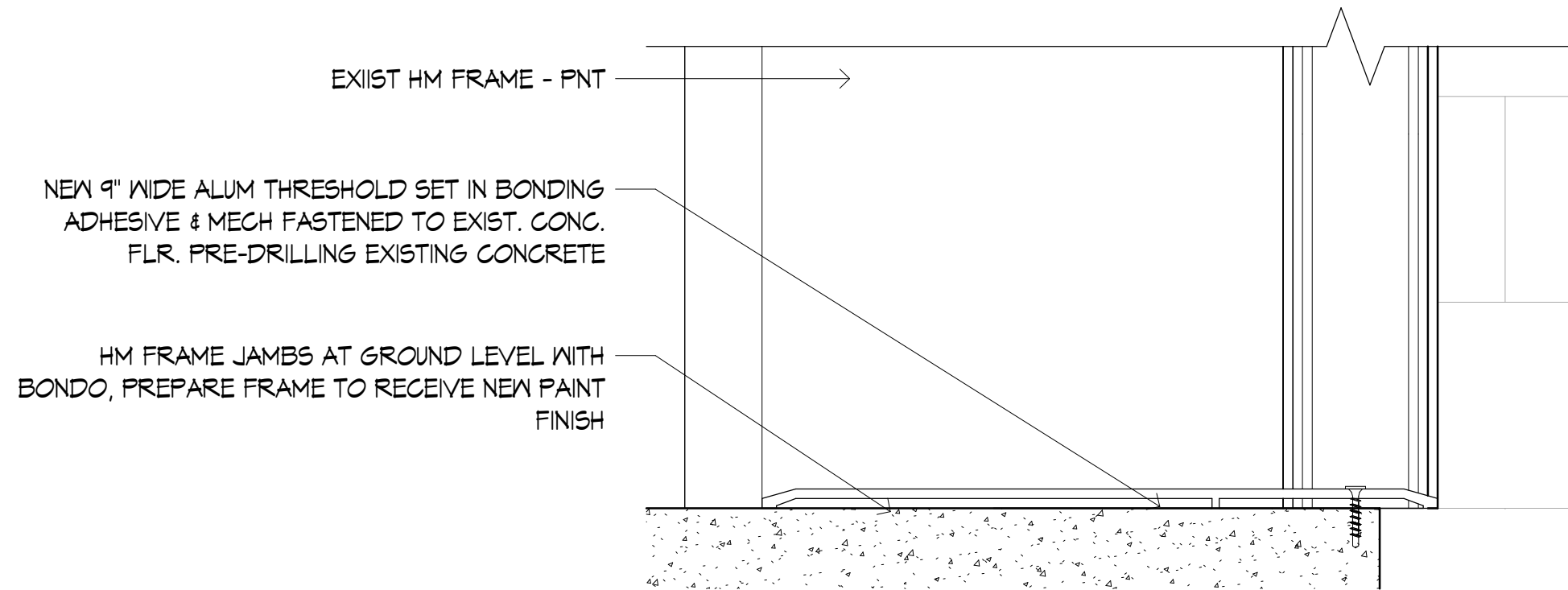
5 ENLARGED DOOR E.07 MULTIPURPOSE ROOM
A6.04 3/8" = 1'-0"



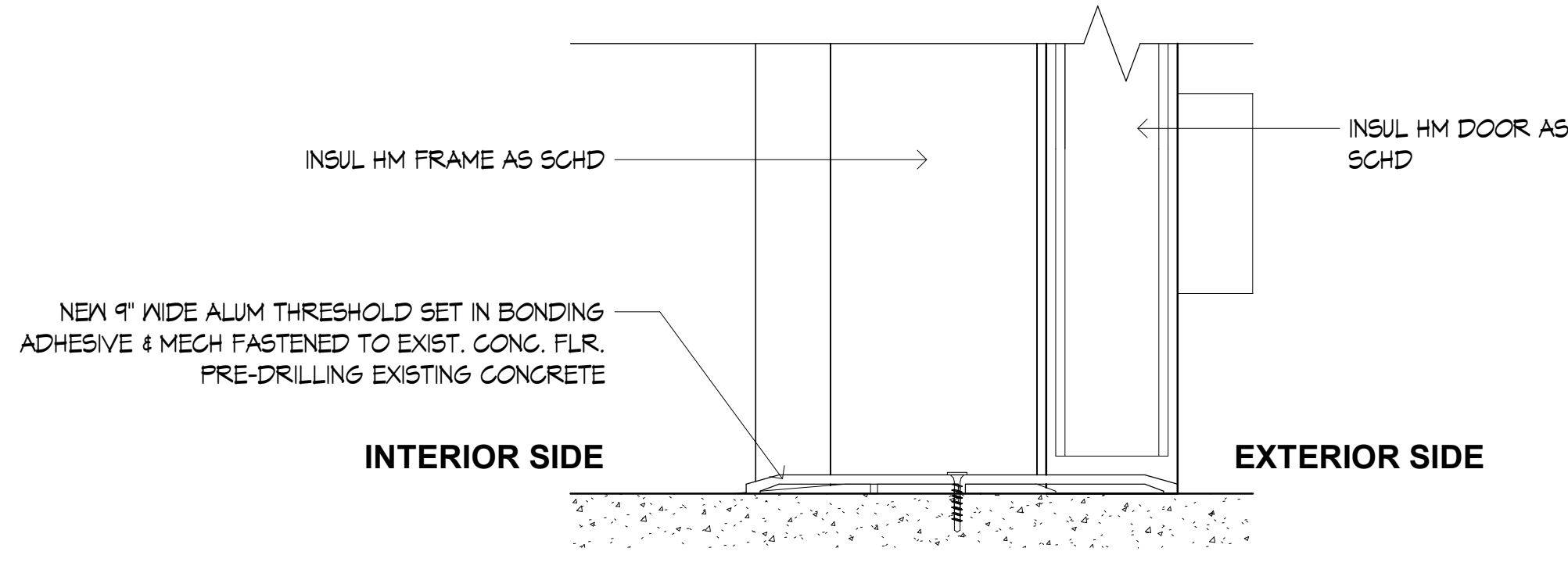
6 DOOR E.01 HEAD DETAIL
A6.04 3" = 1'-0"



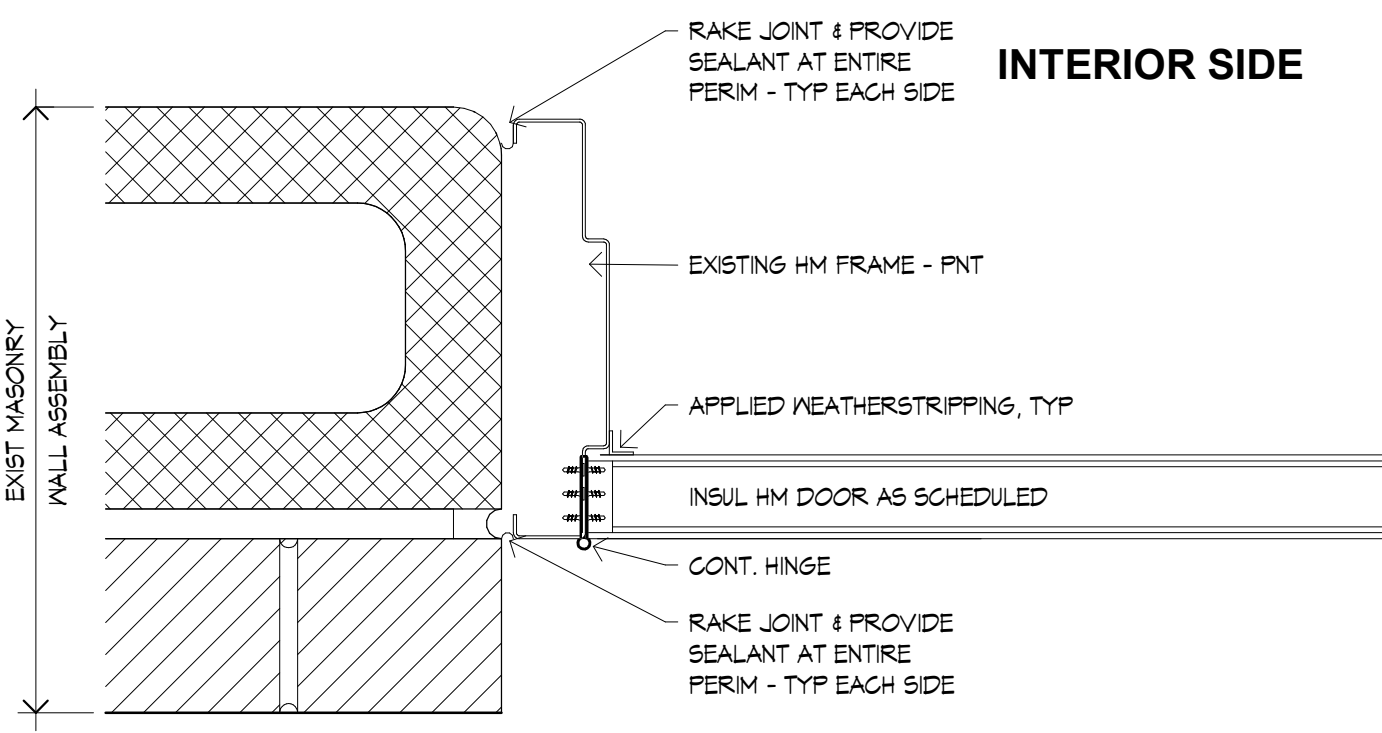
7 DOOR E05, E06 & E.07 HEAD DETAIL
A6.04 3" = 1'-0"



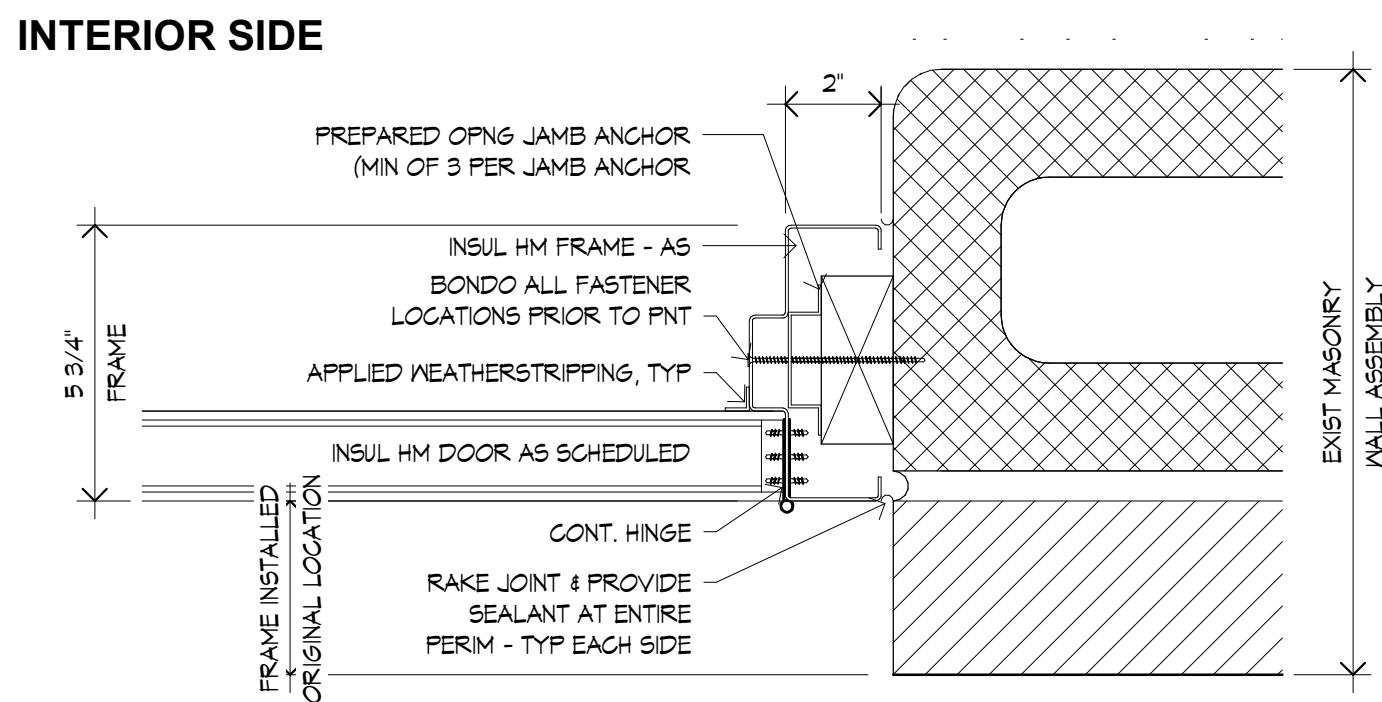
11 DOOR E.01 SILL DETAIL
A6.04 6" = 1'-0"



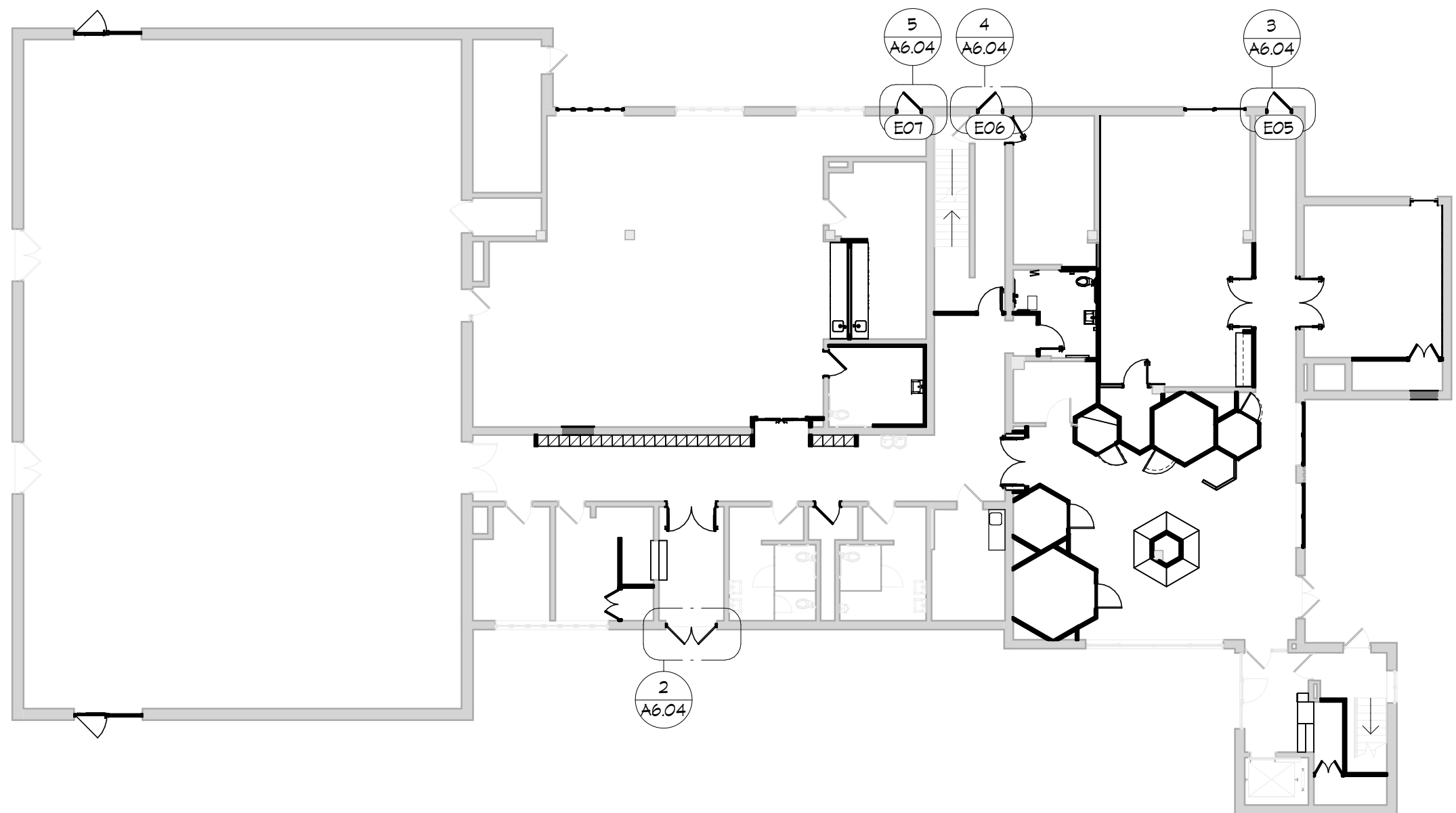
12 DOOR E05, E06, & E07 SILL DETAIL
A6.04 6" = 1'-0"



8 DOOR E.01 JAMB DETAIL
A6.04 3" = 1'-0"



9 DOOR E05, E06, AND E07 JAMB DETAIL
A6.04 3" = 1'-0"



1 KeyPlan Exterior Doors
A6.04 1/16" = 1'-0"

PROJECT: General Contractor Services For Joslin Recreation Center CPF Improvements

Date: 5/12/2025

Time: 10AM

Mandatory pre-bid conference

Address, Providence RI

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PROJECT:

GENERAL CONTRACTOR SERVICES FOR JOSLIN RECREATION CENTER CPF

DATE:

5/12/2025

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