

**SECTION 00 90 04
BIDDING AND CONTRACT REQUIREMENTS
ADDENDUM NUMBER 4**

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To: Prospective Bidders

Issued: October 12, 2023

Re: ADDENDUM NUMBER (4) TO THE BIDDING DOCUMENTS FOR

**McHenry County College
University Center at MCC**
Architect's Project Number: 22-050

This addendum forms a part of the bidding and contract documents and modifies the original bidding documents dated September 19, 2023. Acknowledge receipt of this addendum in the space provided on Bid Form. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

ADDENDA TO THE PROJECT MANUAL

1. 01 10 00 – Summary
 - A. **REVISE** section 1.6-D to the following...
 - “D. Liquidated Damages: Refer to Article 9.8.8 of the General Conditions of the contract for construction for Liquidated Damages associated with this project. Liquidated Damages shall be in the amount of \$1,000.00 per calendar day and shall apply to all phases of the project unless noted below.
 1. Procurement and Installation schedule of the Gas-Powered Generator is exempt from the liquidated damages clause. If the procurement schedule does not allow for installation of the generator system by the substantial completion date, the contractor will be responsible for coordinating the installation around the owner's occupancy schedule once the equipment arrives at no additional cost to the owner.
 2. Procurement and Installation of the Switchboard equipment is exempt from the liquidated damages clause. If the procurement schedule does not allow for installation of the switchboard equipment by the substantial completion date, the contractor will be responsible for installation of the equipment in the following timeframes at no additional cost to the owner.
 - a. (5) standard working days between 6/30/2024 and 8/2/2024 OR
 - b. (5) standard working days between 12/16/2024 and 1/10/2025.”
2. 08 41 26 – All-Glass Entrances and Storefronts
 - A. **REVISE** 2.4-A-1-a to “Thickness: As Indicated on drawings”.
3. 08 71 00 – Door Hardware
 - A. **ADD** the following section and **REVISE** “2.22 FINISHES” to “2.23 FINISHES”...
 - “2.22 ELECTRO-MECHANICAL AUTOMATIC OPERATORS
 - A. Manufacturers and Products:
 1. Scheduled Manufacturer and Product: LCN Senior Swing.
 - B. Manufacturers and Products:
 1. Provide low energy automatic operator units that are electro-mechanical design complying with ANSI/BHMA A156.19.
 - a. Opening: Powered by DC motor working through reduction gears
 - b. Closing: Spring force
 - c. Manual, hydraulic, or chain drive closers: Not permitted.

- d. Operation: Motor is off when door is in closing mode. Door can be manually operated with power on or off without damage to operator. Provide variable adjustments, including opening and closing speed adjustment.
- e. Cover: Aluminum.
- 2. Provide units with manual off/auto/hold-open switch, push and go function to activate power operator, vestibule interface delay, electric lock delay, hold-open delay adjustable from 2 to 30 seconds, and logic terminal to interface with accessories, mats, and sensors.
- 3. Provide drop plates, brackets, or adapters for arms as required to suit details.
- 4. Provide hard-wired motion sensors and/or actuator switches for operation as specified. Provide weather-resistant actuators at exterior applications.
- 5. Provide key switches, with LED's, recommended and approved by manufacturer of automatic operator as required for function as described in operation description of hardware sets. Cylinders: Refer to "KEYING" article, herein.
- 6. Provide complete assemblies of controls, switches, power supplies, relays, and parts/material recommended and approved by manufacturer of automatic operator for each individual leaf. Actuators control both doors simultaneously at pairs. Sequence operation of exterior and vestibule doors with automatic operators to allow ingress or egress through both sets of openings as directed by Architect. Locate actuators, key switches, and other controls as directed by Architect.

B. **ADD** the following to Hardware Group No. 01...

"1 EA – SURF. AUTO OPERATOR – 9542 MS AS REQ (120/240 VAC) – ANCLR – LCN
2 EA – ACTUATOR, TOUCHLESS – 8310-813 – BLK – LCN"

C. **REVISE** Hardware Group No. 08 to the following...

"QTY – DESCRIPTION – CATALOG NUMBER – FINISH – MFR
2 EA – CONT. HINGE – 112XY EPT – 628 – IVE
2 EA – PANIC HARDWARE – LD-98-L-NL-07-P – 626 – VON
1 EA – LFIC RIM CYLINDER – CT6D – 626 – C-R
1 EA – LFIC PERMANENT CORE – KEYED INTO EXISTING SYSTEM – 626 – C-R
2 EA – 90 DEG OFFSET PULL – 8190EZHD 10" O – 630-316 – IVE
2 EA – OH STOP – 100S – 630 – GLY
2 EA – SURFACE CLOSER – 4040XP EDA – 689 – LCN"

D. **REVISE** door V002.1 to Hardware Group No. 08 and **DELETE** Hardware Group No. 11.

4. 08 80 00 – Glazing

A. **ADD** the following spec section...

2.9 DECORATIVE GLAZING FILMS

A. Decorative Glazing Film Overlay

- 1. V1 - (Custom Graphic Pattern)
 - a. Product: Basis of Design - Decorative Films
- 2. V2 – (Frosted Film)
 - a. Product: Basis of Design – Decorative Films; SOLYX - SXJ-0550
White Dusted Matte
 - b. Privacy: Most Private
 - c. Roll Wide: 60"
- 3. Translucent, dimensionally stable Polyester film.
- 4. Thickness: 2-mil- (0.05-mm-) minimum thickness
- 5. Adhesive: Clear Pressure-sensitive for adhering to glass.
- 6. Liner: Releasable protective Silicone backing liner.

7. Warranty: 5 years from substantial completion.
 8. Fire Performance: Surface burning characteristics when tested in accordance with ASTM E84, Class A:
 - a. Flame Spread: 25 maximum.
 - b. Smoke Developed: 450 maximum.
 9. Installation should be in accordance with manufacturer's installation instructions.
 10. Examine substrate(s) for compliance prior to installation. Do not proceed with installation until unsatisfactory conditions have been corrected.
 11. Surface Preparation:
 - a. Comply with all manufacturer's instructions for surface preparation.
 - b. Thoroughly clean substrate of substances that could impair the overlay's bond, including mold, mildew, oil, grease.
 - c. Re-clean surfaces with appropriate surface prep solvent and remove any haze or surface contamination."
5. 09 30 13 – Ceramic Tiling
- A. **REVISE** 3.6-A-1-b to "Grout: Water-cleanable epoxy grout".
6. 09 51 13 – Acoustical Panel Ceiling
- A. **ADD** the following ceiling type...
 - "E. Ceiling Type 5.
 1. Manufacturer: Focal Point
 - a. Product: Custom Woodgrain PET Ceiling Baffle System
 - b. Refer to Electrical Drawings for integral lighting locations and specifications.
 1. Modular Size: As indicated on Drawings
 2. Color: Custom wood-grain printed finish to match Architect's Sample
 3. Attachment Method: As indicated on drawings.
 4. Order Number: 55262
 5. Manufacturer Contact:
 - a. Name: Mike Arends
 - b. Email: mike.arends@pg-enlighten.com
 - c. Phone: 847.956.1274
7. 10 21 13.14 – Stainless Steel Toilet Compartments
- A. **ADD** the attached section in its entirety.
8. 27 15 00 – Data Communications Network Cabling
- A. **ADD** new paragraph 2.3-A-2 to read...
 - "2. UL-Listed, 100 ohm, 4-pair, foiled/unshielded twisted pair (F/UTP), Category 6A, plenum (CMP) rated cable in overall shielded jacket.
 - a. Berk-Tek LANmark-10G
 - b. Belden 10GX
 - c. Hubbell NextSpeed Ascent
 - d. Panduit TX6A
 - B. **ADD** new paragraph 2.3-B-3 to read...
 - "3. Modular, 8-position/8-conductor, T568B wired, RJ-45 style, Category 6A shielded jacks. Color as specified on drawings or to match building standard.
 - a. Hubbell HXJ6A
 - b. Panduit
 - c. Leviton

ADDENDA TO THE DRAWINGS

ARCHITECTURE

1. AD1.10
 - A. **REVISE** note W3 as indicated.
 - B. **REVISE** notes W1A, W1B, W1, W2, W3 as indicated on the drawings.
2. A1.11
 - A. **ADD** keynotes 13 and 14. Refer to plan for added locations.
3. A2.11
 - A. **REVISE / ADD** locations of new work note 4 to clarify locations of new roller shades at existing windows.
 - B. **ADD** ceiling type 5. Refer to plan for added location.
4. A2.51
 - A. **REVISE** enlarged RCP #1 as indicated.
5. A5.01
 - A. **REVISE** section 3 and 4 as indicated.
6. A7.10
 - A. **REVISE** details 7, 11, 12, 14, and 16 as indicated.
7. A7.11
 - A. **REVISE** details 3, 4, 5, 7, 11, 12, and 13.
8. A9.01
 - A. **REVISE** interior elevation 2 as indicated.
9. A9.02
 - A. **REVISE** interior elevation 9 as indicated.
10. A10.00
 - A. **REVISE** window elevation H as indicated.
 - B. **REVISE** door types V001, V002.1, and V002.2 as indicated.
 - C. **REVISE** elevation J glass type to GL-05 as indicated.

ELECTRICAL

1. E1.10
 - A. **ADD** fire alarm devices in Corridor C001, Corridor C004, Corridor C005, Classroom 102, Sprinkler 200, Vestibule V002, IT/Electrical 146.
 - B. **DELETE** junction box outside Classroom 102.
 - C. **REVISE** drawing note #11.
 - D. **DELETE** door operators and associated power requirements at door V001.
2. E2.10
 - A. **ADD** remote emergency heads outside Vestibule V001.
 - B. **REVISE** emergency lighting type in Vestibule V001.
3. E5.00
 - A. **REVISE** description for clocks to read:
"BATTERY OPERATED CLOCK, CONNECTED WIRELESSLY TO A MASTER CLOCK SYSTEM."
4. E6.00
 - A. **ADD** alternate manufacturers for luminaire types "F11", "F12", "F13", "F15".
 - B. **ADD** note 5 to luminaire types "F16A", "F16B", "16C", "F16D", "F16E", "F16F".

- C. **ADD** note #5 to 'LUMINAIRE SCHEDULE'.
- 5. E7.10
 - A. **REVISE** 'TYPICAL NETWORK RACK DETAIL' to indicate 2" innerduct for routing of fiber optic backbone cable.
- 6. E7.30
 - A. **REVISE** 'A/V RECEIVER OUTLET DETAIL'.
 - B. **REVISE** 'A/V TRANSMITTER OUTLET DETAIL'.
 - C. **ADD** 'A/V OUTLET DETAIL'.

CLARIFICATIONS

- 1. Refer to attached for pre-bid RFI and their associated responses. Note that pre-bid RFI submitted and responded to in Addendum #3 were included for reference.
- 2. Refer to revisions made to 01 10 00 SUMMARY for clarification on waiving the liquidated damages clause for switchgear and generator equipment procurement / installation only and the required contractor responsibility for installation of the systems after the substantial completion date.

This addendum consists of 5 pages, excluding attachments.

END 00 90 04.

Attachments:

- 1. 2023.10.12 – Addendum #4 – Pre-bid RFI
- 2. 10 21 13.14 – Stainless Steel Toilet Compartments
- 3. AD1.10, A1.11, A2.11, A2.51, A5.01, A7.10, A7.11, A9.01, A9.02, A10.00
- 4. E1.10, E2.10, E5.00, E6.00, E7.10, E7.30



DEMONICA KEMPER ARCHITECTS

**McHenry County College
University Center at MCC
DKA Project No.: 22-050**

**Pre-Bid RFI - Addendum 4
10/12/2023**

RFI #	Question	Answer
001	Who is to install Access Control Cables and Security wires?	Contractor is responsible for installing access control cables and security wires. Refer to Addendum #3 for clarifications on the scope requirements.
002	See attached Voluntary Alternate Request – Can we use 1200 a C/T/ Meter with a 1200 a Distribution Panelboard Inside in lieu of switchboard? (Refer to attached email document)	The proposed alternate is acceptable. Refer to attachments for submitted alternate for reference.
003	Who is responsible for removal of existing furniture (pictures, white boards, signage etc.)?	The contractor will be responsible for removing all loose / misc items remaining on-site once demolition starts unless otherwise noted. The owner will remove all items or tag them as existing to remain if they intend to keep them prior to the start of demolition.
004	Do current window blinds stay or to be removed?	Existing blinds are to be removed and openings preped for installation of new blinds.
005	Who is responsible for the new Security system?	New security system will be by owner's vendor. Refer to clarifications to the Elec/Tech drawings E7.30 for additional clarification on contractor scope vs others and other equipment requirements / details.
006	Please provide a sealed concrete spec.	Product requirements are noted in 09 91 23 Interior Painting, Section 3.6-A-1 Water-Based Concrete Floor Sealer System, MPI INT 3.2G.
007	Do any of the existing RTU units need to be serviced?	Units to be provided with new filters, see specifications on HV4.0.
008	The spec book is missing a HVAC section, please provide.	See specifications on HV4.0. Book format specifications have not been issued for this project.

009	Ceramic tile - Restrooms are calling for WT-1 on A11.01. However, when you go to A8.01 (Interior Elevations) The tag is T2 which is not listed on A11.01. Please clarify on what to use.	WT-1 is the correct tag for the wall tile in the toilet rooms.
010	Provide a spec indicating the products for the acoustical panel ceiling.	Refer to spec 09 51 13 issued in Addendum #2 and clarified in Addendum #3
011	I believe the ceiling below in conference 150B is tagged wrong. Can you verify if its supposed to be 2 x 2 ceiling or something else?	Conference Room 150A / 150B should be type 2C, 2x4 tiles with scored surface pattern. Refer to Addendum #3 for more information.
012	Can you please provide door hardware specs?	Specs will be issued as part of Addendum #3.
013	When filling in the face brick on the back of the building, the detail calls for paint to match. Are we to paint the entire back exterior wall to match the infill or just paint the infill?	Paint areas of infill only to match the existing painted brick finish.
014	We can't request sheet metal quotes from vendors without mechanical specifications. After reviewing the provided documents, we didn't see any specs for this. Could you please request mechanical specifications for this project?	Refer to HV4.00, General Notes - HVAC Work notes 6-12 for duct requirements. If there are specific questions from those specified items, please submit an additional RFI for clarification.
015	I have looked through the bid documents but cannot find the Standard Warranty for the University Center at MCC. Can you please provide?	General project warranty is covered under 12.2.2.1 in the A201 General Conditions provided in the specification section 00 72 13.
016	Who is responsible for relocating the phone/fiber service? Also, where is the existing to go? The middle closet (current) or the new IT closet?	Contractor will be responsible for relocating the existing phone/fiber services to the new IT closet in IT/Electrical 146. This will be addressed in an upcoming addendum.
017	I don't see a schedule for the existing RTU units. Do all 8 units require duct smoke detection devices? RTU's 1-8 shown on pg E1.20	All existing RTU units will require duct smoke detectors. This will be addressed in an upcoming addendum.
018	Frame Elevation#A on A10.00 is tagged with infill GL-01. Elevation for frame on A9.01 and schedule tag infill as GL-02. Please clarify.	GL-02 is the correct type for this window.
019	Who is providing the med gas headboard, tanks and pumps in the SIM rooms?	The head board detail states which manufacturer's are acceptable. That would suggest the MC is responsible for it, but if this is a GC bid, then they can figure it out together. The tanks and pumps I would expect the MC to provide.
020	Please provide further specifications for speakers and projectors referenced on pages E5.00 & E7.30? It is calling for the speakers and projector screens to be provided the contractor.	Refer to Addendum #3 for detailed specifications for speakers and projector screens referenced in section 27 41 16 - Audiovisual System.
021	Fire Alarm seem to be missing on corridors C102, C001, & C004 (amongst other locations - Exit Doors, Devices). Please advise.	Refer to Addendum #4 for clarification.
022	Demo drawing AD1.10 can you tell what is W1A, W1B?	W1A and W1B should be notes W1, W2, and W3. Refer to Addendum #4 for clarifications to the drawings.

023	It look to be a ballasted EPDM existing roofing system. Do you know what the make-up of the roof is from the deck up? Looking for an existing thickness.	The existing roof system is noted as EPDM, fully adhered on +/- 5" of roofing insulation. The roofing is under an existing warranty so all new work associated with piping / duct penetrations will be required to maintain the existing warranty. Refer to A3.10 and MEP drawings for general scope of patching / tie-in / replacement needed to the existing roof system.
024	Is the roof currently under contract?	Yes - It will be the contractor's responsibility to maintain the warranty for any new roofing working noted on the drawings.
025	The all Glass door Specification (084126 2.4 A.1.a)calls out the glass thickness as 3/8", the door schedule calls out 1/2". Please advise.	Provide 1/2" glass. Refer to addendum #4 for spec clarification.
026	Is there a spec. for the pressure applied vinyl film?	Refer to addendum #4 for specification update to clarify window film types.
027	Frame J on sheet A/10.0 Calls out GL-2 (1/2" clear tempered) the elevation 17/A9.51 calls out one way glass. Which are we to figure?	Provide GI-05 at window elevation J. Refer to Addendum #4.
028	Door # V002.1 &107 are called out as AG and GL-1 (1/4" clear tempered) should this be GL-2?	Yes - This should be GL-02 and was updated in Addendum #3.
029	The door schedule calls out all the door lites in the wood doors and sidelites as GL-2 (1/2" clear tempered) should these be GL-1?	Door vision lites in NFG type doors should be GL-1. All other vision lites and sidelites should be GL-2.
030	Should we figure door V001 as Aluminum FG or All Glass as called out on the door schedule?	Aluminum FG. Refer to Addendum #4 for clarification.
032	Are we to figure the aluminum frames for the wood doors as storefront or are they RACO / Wilson Frames?	Aluminum frames for wood doors will be storefront system single frames to match storefront entrance and window systems.
033	Is the frosted vinyl film called out in note #8 on sheet A1.11 the same as the interior elevations or should it be full covered black out film?	Refer to spec update in Addendum #4 for clarifications on window film types.
034	We are trying to get a quote for the air compressor and vacuum pump for the med gas on this project and Power Ex the basis of design said without a written spec section (there is no Division 23 specs at all which is going to lead to more RFIs) for this equipment they will not quote it. They have the equipment schedule but said that's not enough. Can we get a Division 23 spec section to use for bidding?	Enough product details are provided on the drawings specs for Power Ex to provide a spec. If they are unwilling based on the information provided there are equal manufacturers available for alternate quotes.
035	For the fiber optic installation on E7.1 it is called out to be installed in a 2in conduit. In the project manual it calls for a 2in innerduct. Should the fiber be installed in innerduct or conduit?	2" innerduct is acceptable.
036	On E7.3 the responsibility matrix shows all the av systems to be owner provided. Does this include symbols AVa AVb AVc AVd on the drawings?	AVa, AVc, AVd devices will be provided by the Contractor as shown in the details. AVb have been deleted per Addendum #3.

037	On E7.3 the responsibility matric shows us providing and installing the projector screen Dalite Model B. Can size be provided, there are multiple options.	Refer to Addendum #3 for detailed specifications for projector screen size referenced in section 27 41 16 - Audiovisual System.
038	Are all communication faceplates to be stainless steel?	Stainless steel wall plates are specified for both wiring devices and communication devices.
039	On page 6 of the electrical specs, it states the types of panels that can be used. Then on page 8 (section 2.3) it reads the Main Panel shall be a NOFITIER NFS-320 panel - Which is correct?	Notifier NFS-320 is the basis-of-design which the specification is written around. Equals from approved manufacturers listed under paragraph 2.1.A are acceptable.
040	Can you provide a mechanical schedule showing the CFM's for each RTU's?	All airflow rates are shown on the floor plan at the equipment tag. All rooftop units are 3000 cfm.
041	Where is the detail for the new connection at the new water service per note on P1.10?	Detail is shown on sheet P7.00, "Water Service Diagram".
042	Switchboard vendors are telling us they won't bid it because of the Liquidated Damages clause that the project comes with. They can't control breakers since they don't make them. Please advise how we are to proceed.	Refer to Addendum #4 for clarifications on the requirements for the Switchboards and Generator.
043	Are you only looking for 20% to be MBE or can this include WBD, DBE, VBE too?	The college's aspirational goal is to achieve 20% in certified BEP Vendors. Refer to specification 00 43 39 for more information.
044	In the Spec section, epoxy (Page 4 of 8) and sand (Page 8 of 8) grout are listed for ceramic tile. Please advise what we are to use.	Provide epoxy grout.
045	Please confirm tile size for QT-1 & WT-1?	QT-1 is 24x24 and WT-1 is 8x24
046	Please confirm correct color name or color number for CPT-1 and CPT-3.	The color for CPT-1/CPT-3 is 00599 Point.
047	In addendum #2 there are pre-bid meeting notes. Item #20 of those notes, letter f states... "f. Fire protection scope will include the removal of all sprinkler heads and a modification of the existing branch lines and mains to coordinate with the new work." On the FP drawings it notes that existing sprinklers with "EX" are heads to remain. Please advise.	The pre-bid meeting minutes are a general scope summary of the project. Refer to the specific requirements noted on the drawings for actual project scope. Any heads noted as existing to remain will be existing to remain.
048	Please provide floor finish product information for the T-1 porcelain tile and LVT-1 luxury vinyl tle.	Refer to clarifications issued in Addendum #2.
049	Per addenda 3, please confirm windows in rooms 113, 114, and 148 are to receive new window shades.	Refer to Addendum #4 for clarification on all existing windows to receive roller window shades.
050	Please supply washroom partitions material specification.	Refer to Addendum #4 for the specification for toilet compartments.
051	Who is the DDC controls contractor that is being used by the College?	For the Base Bid, there is no control contractor. Anyone who can run wiring and install a stand alone thermostat is acceptable. For the alternate bid, Trane is the DDC contractor. It's in the spec notes on the detail sheet.
052	Provide product information for WD-1	Refer to Addendum #3 for clarifications on WD-1/2/3/4 product information.

053	What size conduit stub should be included for the "AV" drops?	Refer to 'JUNCTION BOX ROUGH-IN DETAIL' on sheet E7.00.
054	Can the floor boxes be substituted for Hubbell PFB1 PVC floor boxes?	Hubbell is listed as an approved manufacturer per specification section 26 05 34. However, floor box material shall be metallic to match basis-of-design. They shall also be rectangular shape and suitable for on-grade applications similar to the Hubbell SystemOne series.
055	Should we include a 3/4" stub for the room scheduler?	Yes, a 3/4" conduit stub shall be included.
056	Please supply the type of existing Clock system?	The clock system is new and part of project scope. Refer to specification 275313 for details.
057	Please confirm which gyp board ceilings are to remain.	Refer to AD2.10 and A2.11 for areas shown as new work versus existing to remain areas.
058	Please confirm which ACT ceilings are to remain.	Refer to AD2.10 and A2.11 for areas shown as new work versus existing to remain areas.
059	Please confirm if there is storage onsite for items to be salvaged.	Refer to Addendum #3 for clarification on what items need to be salvaged. The entire building site is open for the project so the contractors are free to store materials and salvage items as they see fit.
060	Is the seating in the classroom (102) stadium style/tiered?	There are existing depressed floor sections as indicated on the floor plan that require new finishes. Refer to finish plans for transition details. All furniture is by the owner outside of the project scope.
061	Are the conference rooms/classroom furniture mobile training desks or are they stationary/fixed?	All furniture is by the owner outside of the project scope.
062	Det.4/S-303 calls for grout solid all CMU, not just the cells with rebars. Is that correct?	Masonry scope is limited to infill of existing conditions as needed. Grouting walls solid will only be needed if required for structural stability.
063	The plans say to provide clocks to interface with the existing clock system. The specs call out a Sapling wireless master clock and I did not see anything that said "existing". Do you know (or can you find out) if they have an existing Sapling wireless master clock in place already?	No, there's not an existing master clock system. Every component of the clock system will be new. The symbol list description will be updated.
064	Who is to install Access Control Cables and Security wires?	Cables and wires are provided by the Electrical Contractor.

SECTION 10 21 13.14 - STAINLESS-STEEL TOILET COMPARTMENTS

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 stainless-steel toilet compartments configured as toilet enclosures and urinal screens.
- B. Related Requirements:
 - 1. Section 06 10 53 "Miscellaneous Rough Carpentry" for blocking.
 - 2. Section 10 28 00 "Toilet, Bath, and Laundry Accessories" for toilet tissue dispensers, grab bars, purse shelves, and similar accessories mounted on toilet compartments.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for toilet compartments.
- B. Shop Drawings: For toilet compartments.
 - 1. Include plans, elevations, sections, details, and attachment details.
 - 2. Show locations of cutouts for compartment-mounted toilet accessories.
 - 3. Show locations of reinforcements for compartment-mounted grab bars and locations of blocking for surface-mounted toilet accessories.
 - 4. Show locations of centerlines of toilet fixtures.
 - 5. Show locations of floor drains.
- C. Samples for Verification: For the following products, in manufacturer's standard sizes unless otherwise indicated:
 - 1. Each type of material, color, and finish required for toilet compartments, prepared on 6-inch- square Samples of same thickness and material indicated for Work.
 - 2. Each type of hardware and accessory.
- D. Product Schedule: For toilet compartments, prepared by or under the supervision of supplier, detailing location and selected colors for toilet compartment material.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For toilet compartments to include in maintenance manuals.

1.5 PROJECT CONDITIONS

- A. Field Measurements: Verify actual locations of toilet fixtures, walls, columns, ceilings, and other construction contiguous with toilet compartments by field measurements before fabrication.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines for Buildings and Facilities and ICC A117.1 for toilet compartments designated as accessible.

2.2 STAINLESS-STEEL TOILET COMPARTMENTS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Accurate Partitions Corp., or comparable product by, but not limited to, one of the following:
 - 1. American Sanitary Partition Corporation.
 - 2. Bradley Corporation.
 - 3. General Partitions Mfg. Corp.
 - 4. Global Partitions; ASI Group.
 - 5. Knickerbocker Partition Corporation.
- B. Toilet-Enclosure Style: Overhead braced Floor anchored.
- C. Urinal-Screen Style: Wall hung with integral flanges.
- D. Door, Panel, and Pilaster Construction: Seamless diamond pattern, metal facing sheets pressure laminated to core material; with continuous, interlocking molding strip or lapped-and-formed edge closures; corners secured by welding or clips and exposed welds ground smooth. Exposed surfaces shall be free of pitting, seam marks, roller marks, stains, discolorations, telegraphing of core material, or other imperfections.
 - 1. Core Material: Manufacturer's standard sound-deadening honeycomb of resin-impregnated kraft paper in thickness required to provide finished thickness of 1 inch for doors and panels and 1-1/4 inches for pilasters.
 - 2. Grab-Bar Reinforcement: Provide concealed internal reinforcement for grab bars mounted on units of size and material adequate for panel to withstand applied downward load on grab bar of at least 250 lbf, when tested according to ASTM F 446, without deformation of panel.
 - 3. Tapping Reinforcement: Provide concealed reinforcement for tapping (threading) at locations where machine screws are used for attaching items to units.
- E. Urinal-Screen Construction:

1. Diamond Pattern-Panel Urinal Screen: Matching panel construction.
 2. Integral-Flange, Wall-Hung Urinal Screen: Similar to panel construction, with integral full-height flanges for wall attachment, and maximum 1-1/4 inches thick.
- F. Facing Sheets and Closures: Stainless-steel sheet diamond pattern of nominal thicknesses as follows:
1. Pilasters, Braced at Both Ends: Manufacturer's standard thickness, but not less than 0.038 inch .
 2. Pilasters, Unbraced at One End: Manufacturer's standard thickness, but not less than 0.050 inch .
 3. Panels: Manufacturer's standard thickness, but not less than 0.031 inch .
 4. Doors: Manufacturer's standard thickness, but not less than 0.031 inch .
- G. Pilaster Shoes Sleeves (Caps): Stainless-steel sheet, not less than 0.031-inch nominal thickness and 3 inches high, finished to match hardware.
- H. Brackets (Fittings):
1. Stirrup Type: "Heavy Duty" Ear, F-brackets, or U-brackets; stainless steel.
- I. Stainless-Steel Finish: Manufacturer's standard diamond textured finish on exposed faces. Protect exposed surfaces from damage by application of strippable, temporary protective covering before shipment.

2.3 HARDWARE AND ACCESSORIES

- A. Hardware and Accessories: Manufacturer's heavy-duty operating hardware and accessories.
1. Hinges: Manufacturer's minimum 0.062-inch- thick stainless steel paired, self-closing type that can be adjusted to hold doors open at any angle up to 90 degrees , allowing emergency access by lifting door. Mount with through-bolts.
 - a. Owner to determine hold-open angle.
 2. Latch and Keeper: Manufacturer's heavy-duty surface-mounted cast-stainless-steel latch unit designed to resist damage due to slamming, with combination rubber-faced door strike and keeper, and with provision for emergency access. Provide units that comply with regulatory requirements for accessibility at compartments designated as accessible. Mount with through-bolts.
 3. Coat Hook: Manufacturer's heavy-duty combination cast-stainless-steel hook and rubber-tipped bumper, sized to prevent in-swinging door from hitting compartment-mounted accessories. Mount with through-bolts.
 4. Door Bumper: Manufacturer's heavy-duty rubber-tipped cast-stainless-steel bumper at out-swinging doors. Mount with through-bolts.
 5. Door Pull: Manufacturer's heavy-duty cast-stainless-steel pull at out-swinging doors that complies with regulatory requirements for accessibility. Provide units on both sides of doors at compartments designated as accessible. Mount with through-bolts.
- B. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with antigrip profile and in manufacturer's standard finish.

- C. Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel, finished to match the items they are securing, with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use stainless-steel, hot-dip galvanized-steel, or other rust-resistant, protective-coated steel anchors compatible with related materials.

2.4 MATERIALS

- A. Stainless-Steel Sheet: ASTM A 666, Type 304, stretcher-leveled standard of flatness.
- B. Stainless-Steel Castings: ASTM A 743/A 743M.

2.5 FABRICATION

- A. Fabrication, General: Fabricate toilet compartment components to sizes indicated. Coordinate requirements and provide cutouts for through-partition toilet accessories and solid blocking within panel where required for attachment of toilet accessories.
- B. Overhead-Braced Units: Provide manufacturer's standard corrosion-resistant supports, leveling mechanism, and anchors at pilasters to suit floor conditions. Provide shoes at pilasters to conceal supports and leveling mechanism.
- C. Floor-Anchored Units: Provide manufacturer's standard corrosion-resistant anchoring assemblies with leveling adjustment nuts at pilasters for structural connection to floor. Provide shoes at pilasters to conceal anchorage.
- D. Door Size and Swings: Unless otherwise indicated, provide 24-inch- wide in-swinging doors for standard toilet compartments and 36-inch- wide out-swinging doors with a minimum 32-inch- wide clear opening for compartments designated as accessible.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for fastening, support, alignment, operating clearances, and other conditions affecting performance of the Work.
 - 1. Confirm location and adequacy of blocking and supports required for installation.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions. Install units rigid, straight, level, and plumb. Secure units in position with manufacturer's recommended anchoring devices.
 - 1. Maximum Clearances:

- a. Pilasters and Panels: 1/2 inch .
 - b. Panels and Walls: 1 inch .
- 2. Stirrup Brackets: Secure panels to walls and to pilasters with no fewer than three brackets attached at midpoint and near top and bottom of panel.
 - a. Locate wall brackets so holes for wall anchors occur in masonry or tile joints.
 - b. Align brackets at pilasters with brackets at walls.
- B. Overhead-Braced Units: Secure pilasters to floor and level, plumb, and tighten. Set pilasters with anchors penetrating not less than 1-3/4 inches into structural floor unless otherwise indicated in manufacturer's written instructions. Secure continuous head rail to each pilaster with no fewer than two fasteners. Hang doors to align tops of doors with tops of panels and adjust so tops of doors are parallel with overhead brace when doors are in closed position.
- C. Floor-Anchored Units: Set pilasters with anchors penetrating not less than 2 inches into structural floor unless otherwise indicated in manufacturer's written instructions. Level, plumb, and tighten pilasters. Hang doors and adjust so tops of doors are level with tops of pilasters when doors are in closed position.

3.3 ADJUSTING

- A. Hardware Adjustment: Adjust and lubricate hardware according to hardware manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold doors open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors to return doors to fully closed position.

END OF SECTION 10 21 13.14



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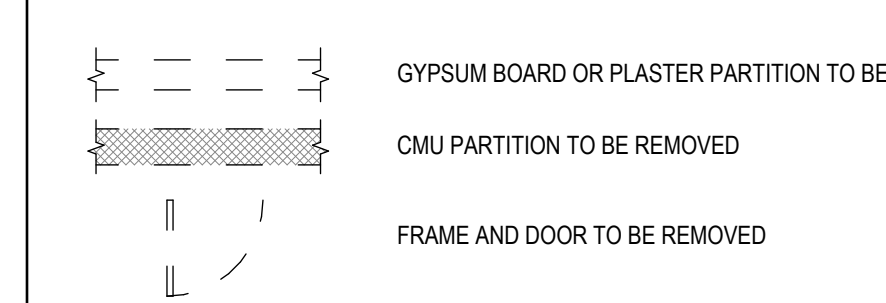
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DEMO FLOOR PLAN SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS



DEMO PLAN GENERAL NOTES:

- PRIOR TO AND DURING ANY DEMOLITION THE CONTRACTOR SHALL VERIFY AND MAINTAIN THE BUILDING'S STRUCTURAL INTEGRITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AS REQUIRED TO INSTALL ALL NEW WORK. REPAIR, PATCH AND FINISH EXISTING FLOORS, WALLS AND CEILING DESIGNATED TO REMAIN TO MATCH EXISTING CONDITIONS.
- REMOVE ALL HANGERS, SUSPENSION SYSTEMS, SUPPORT FRAMING, EQUIPMENT PADS, ANCHORS, ATTACHMENT HARDWARE AND RELATED APPURTENANCES CONNECTED WITH THE WORK TO BE DEMOLISHED. IF COMPLETE REMOVAL IS NOT POSSIBLE, CUT DEVICES AS CLOSE AS POSSIBLE TO ADJOINING SURFACES OR ORIGIN OF SUPPORT.
- DURING THE BIDDING PERIOD, EACH BIDDING CONTRACTOR SHALL VISIT THE SITE AND THE FACILITY TO DETERMINE EXISTING CONDITIONS. CONTRACTOR'S FAILURE TO REASONABLY DETERMINE AND/OR ANTICIPATE THE EFFECT OF EXISTING CONDITIONS AND THE WORK INVOLVED THEREBY SHALL NOT BE JUSTIFICATION FOR ADDITIONAL COMPENSATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- ALL MATERIALS, EQUIPMENT, FIXTURES, SYSTEMS, AND ACCESSORIES WHICH ARE TO REMAIN IN SERVICE SHALL BE CLEANED, REPAIRED, ADJUSTED AND PLACED INTO PROPER OPERATIONS IN ALL MOVERS WITH THE ORIGINAL SYSTEM.
- WHEN TEMPORARY SHORING AND BRACING IS REQUIRED, CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE WHERE THE PROJECT IS LOCATED. TO DESIGN AND PREPARE DETAILED DRAWINGS.
- (NOT USED)
- EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE GENERAL DEMOLITION AND REMODELING WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS IN SERVICE IN ORDER TO PROVIDE FOR THE TIMELY REMOVAL AND/OR RELOCATION OF EQUIPMENT, PIPING, ETC.
- REMOVE ALL ABANDONED CONDUIT BOXES, CONDUCTORS, TELEPHONE LINES, ELECTRIC PANELS, AND ANY OTHER MISCELLANEOUS EQUIPMENT NOT REQUIRED FOR THE NEW FACILITY.
- REMOVE ALL RECESSED FLOOR BOXES, FLOOR SINKS, FLOOR DRAINS, ELECTRICAL RECEPTACLES, ETC. AND FILL VOIDS AS REQUIRED.
- REMOVE ALL DOOR STOPS AT ASSOCIATED DOORS TO BE DEMOLISHED.
- NO TOXIC SUBSTANCES HAVE BEEN NOTED ON THE SITE. SHOULD THE CONTRACTOR ENCOUNTER ANY ASBESTOS, ASBESTOS PRODUCTS, PCBs OR OTHER TOXIC SUBSTANCES, THE CONTRACTOR SHOULD REPORT THIS IMMEDIATELY TO THE OWNER IN WRITING PRIOR TO CONTINUING WORK IN THIS AREA. WORK SHALL NOT BE RESUMED EXCEPT BY WRITTEN AUTHORIZATION OR AGREEMENT.
- ALL CONSTRUCTION DEBRIS AND EXCESS MATERIAL IS TO BE REMOVED BY THE CONTRACTOR AT THE END OF EACH WORK DAY. THE JOB SITE IS TO BE LEFT SUFFICIENTLY CLEAN AS TO WARRANT OWNER'S APPROVAL.
- REMOVE ALL CEILING SYSTEMS IN THEIR ENTIRETY, INCLUDING TILE, GRID, SUSPENSION WIRING, ANCHORS AND ALL ASSOCIATED APPURTENANCES.
- (NOT USED)
- ALL LOOSE FURNITURE, EQUIPMENT, AND MISC. ITEMS REMAINING IN THE SPACE AFTER THE AWARD OF CONTRACT SHALL BE CONSIDERED PART OF THE DEMOLITION UNLESS OTHERWISE NOTED BY THE OWNER VIA WALKTHROUGH OR TAGS LEFT ON-SITE. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF ALL REMAINING LOOSE ITEMS.

DEMO PLAN REFERENCED NOTES:

FLOOR DEMOLITION KEYED NOTES

- F1 REMOVE WALL BASE, RESILIENT TILE FLOORING, AND SUBSTRATE ADHESIVE COMPLETE.
- F2 REMOVE WALL BASE, CARPETING, AND SUBSTRATE ADHESIVE COMPLETE.
- F3 REMOVE WALL BASE COMPLETE.
- F4 REMOVE METAL GRATE AND RAILINGS COMPLETE. PREP FLOOR SLAB DEPRESSION AND INFILL WITH CONCRETE TO BE FLUSH WITH ADJACENT FLOOR SLABS.
- F5 HATCH INDICATES PROPOSED AREA OF SLAB REMOVAL AS REQ. FOR PLUMBING ELECTRICAL WORK. BACKFILL AS REQUIRED AND INFILL PER DETAIL B4S.01
- F6 REMOVE WALL BASE, TILE FLOORING COMPLETE.
- F7 REMOVE STEEL PLATE FLOORING COMPLETE.

WALL DEMOLITION KEYED NOTES

- W1 REMOVE GYP BD PARTITION AS REQUIRED FOR NEW OPENING.
- W2 REMOVE GYP BD PARTITION TO EXTENTS SHOWN.
- W3 REMOVE STEEL COLUMN FURRING COMPLETE. PREP EXISTING STEEL COLUMN FOR NEW WORK.
- W4 REMOVE FURRING AND INFILL FROM EXISTING WINDOW COMPLETE. REPAIR/TOUCH UP WINDOW AS REQ. FOR NEW WORK.
- W5 REMOVE STOREFRONT SYSTEM AND MIT STUD PARTITION ABOVE COMPLETE.
- W6 REMOVE EXTERIOR DOOR FRAME COMPLETE. PREP ROUGH OPENING FOR NEW WORK.
- W7 REMOVE METAL PANEL WALL SYSTEM COMPLETE.

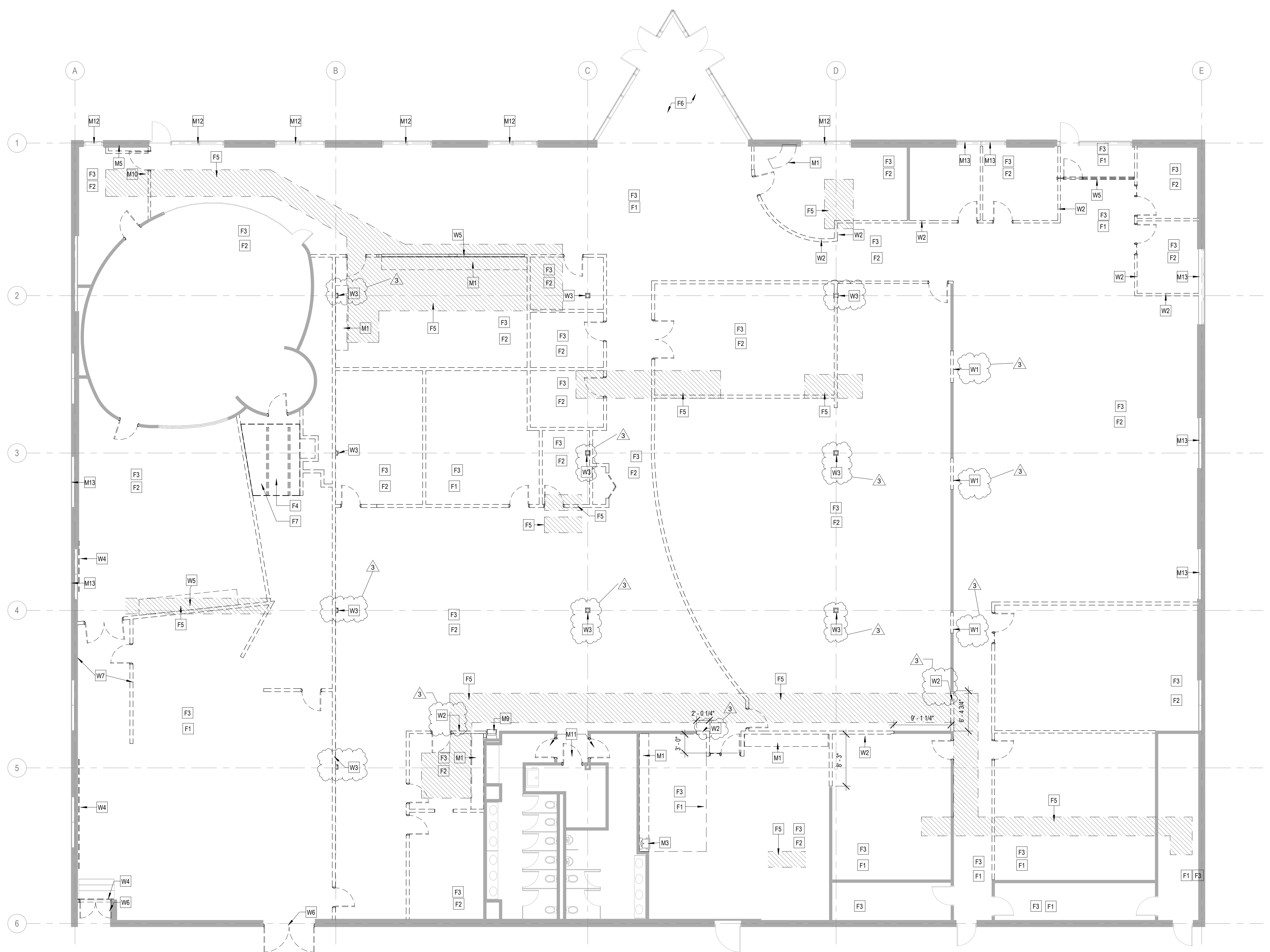
CEILING DEMOLITION KEYED NOTES

- C1 REMOVE SECOND UPPER GYP CEILING INSTALLED ABOVE EXISTING SAT CEILING / GYP SOFFITS COMPLETE.
- C2 REMOVE GYP, BD, CEILINGS AND BULKHEAD COMPLETE.
- C2A REMOVE GYP, BD, CEILING TO EXTENTS SHOWN.
- C2B EXISTING GYP, BD, CEILING TO REMAIN REMOVE EXISTING RECESSED LIGHT FIXTURES COMPLETE AND PREP OPENING AS REQUIRED FOR NEW LIGHT FIXTURES.
- C3A REMOVE ACOUSTIC CEILING TILE SYSTEM TO EXTENTS SHOWN INCLUDING 3" BATT INSULATION COMPLETE.
- C3B EXISTING CEILING TILE SYSTEM TO REMAIN.
- C4 REMOVE PRIVACY CURTAINS AND ASSOCIATED TRACK.
- C5 CURVED GYP BD, CLOUD CEILING, REMOVE EXISTING RECESSED LIGHT FIXTURES COMPLETE AND PREP OPENINGS AS REQ. FOR NEW LIGHT FIXTURES REMOVE.
- C6 CLOUD CEILING SYSTEM TO BE REMOVED COMPLETE.
- C7 REMOVE PORTION OF EXISTING GYP, BD, CEILING AS REQUIRED TO ACCOMMODATE HVAC WORK SEE HVAC DRAWINGS.

MISCELLANEOUS DEMOLITION KEYED NOTES

- M1 REMOVE COUNTERTOP AND BASE CABINETS COMPLETE.
- M2 REMOVE UPPER CABINETS/SOCCLE COMPLETE.
- M3 REMOVE SINK AND ASSOCIATED UTILITIES COMPLETE.
- M4 REMOVE DISPLAY BOARD COMPLETE.
- M5 REMOVE FULL HEIGHT CABINETS COMPLETE.
- M6 REMOVE WALL MOUNTED SHELVES COMPLETE.
- M7 REMOVE WATER SHUT OFF VALVE AND ASSOCIATED PIPING COMPLETE (REFER TO CIVIL AND PLUMBING)
- M8 (NOT USED)
- M9 REMOVE DRINKING FOUNTAIN AND ASSOCIATED PLUMBING COMPLETE. FOR RE-LOCATION IN NEW WORK.
- M10 REMOVE TECHNOLOGY RACK COMPLETE (REFER TO TECH)
- M11 REMOVE DOOR, FRAME EXISTING TO REMAIN.
- M12 REMOVE FILM ON EXISTING WINDOWS COMPLETE.
- M13 REMOVE WINDOW BLINDS COMPLETE.

*PROTECT ALL ITEMS NOTED BELOW THROUGH-OUT DEMOLITION AND NEW CONSTRUCTION.
 *REMOVE AND REINSTALL AS REQUIRED FOR NEW WORK.



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

KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION:	DATE:
2	Addendum #3	10/6/23
3	Addendum #4	10/12/23

SHEET TITLE:
DEMOLITION PLAN

SHEET NUMBER:
AD1.10

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KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION:	DATE:
2	Addendum #3	10/6/23

SHEET TITLE:
OVERALL FLOOR PLAN

SHEET NUMBER:
A1.11

10/12/2023 3:41:53 PM

FLOOR PLAN & SECTION SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

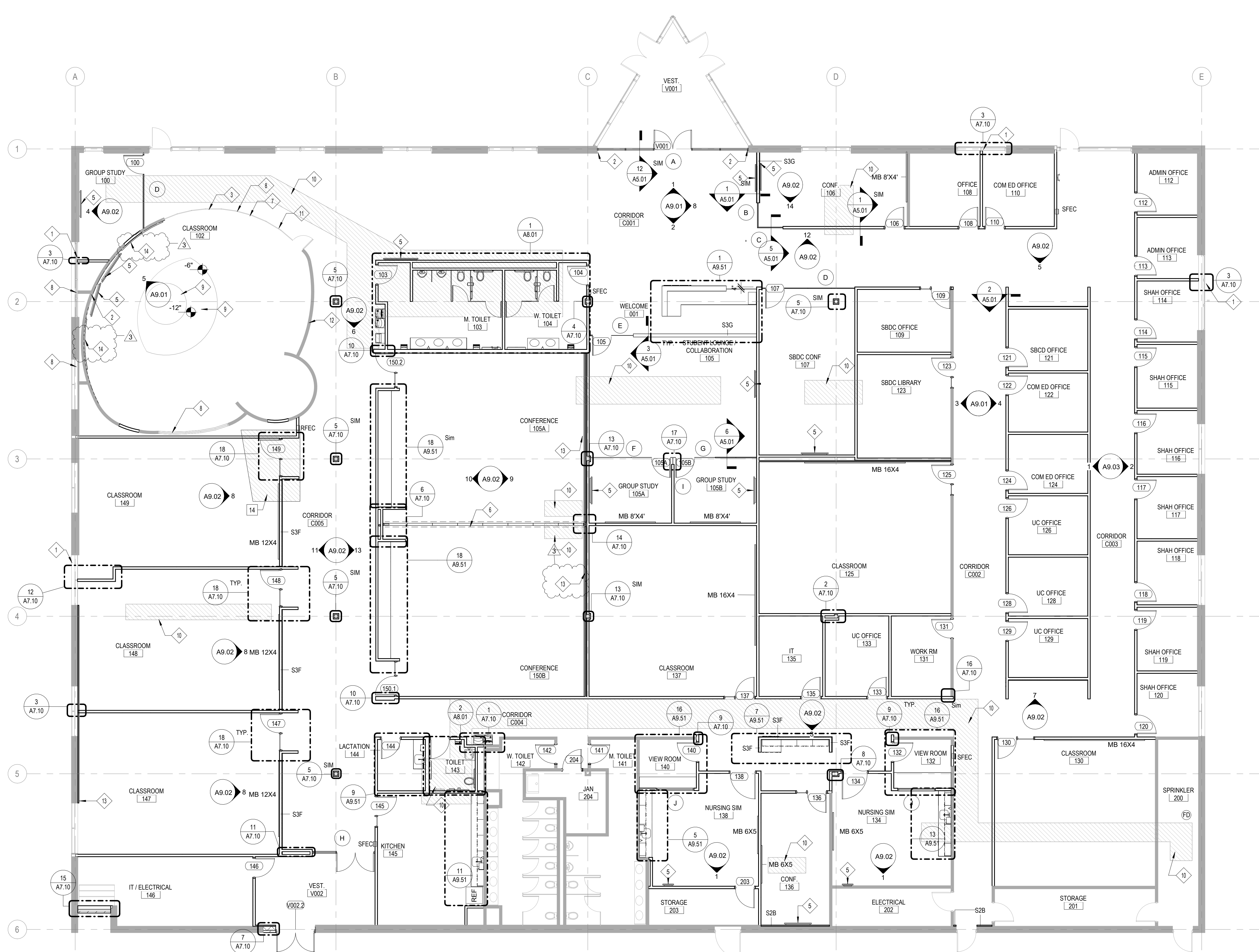
- GREYTOPE LINES DEPICT EXISTING CONSTRUCTION
- EXISTING DOOR
- NEW WALL CONSTRUCTION
- NEW DOOR
- ROOM NAME [101]
- ROOM TAG
- DOOR / FRAME TAG
- WINDOW TAG
- PLAN AND SECTION DETAIL CALLOUT
- SECTION CALLOUT
- ELEVATION CALLOUT
- DATUM TAG
- NEW WORK REFERENCED NOTES
- FLOOR DRAIN - REFER TO PLUMBING
- EXTERIOR HOSE BIB
- WALL MOUNT FIRE EXTINGUISHER CABINET
SEMI-RECESSED EXTINGUISHER CABINET
RECESSED EXTINGUISHER CABINET
- LENGTH SPECIFIED MARKERBOARD - (REFER TO SPECS)

FLOOR PLAN GENERAL NOTES:

1. FINISH FLOOR ELEVATION OF 0'-0" - XXXX USGS AS NOTED ON SHEET C.X.XX.
2. ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0".
3. REFER TO CODE PLANS ON SHEETS AC. 10 THRU A0.XX FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
4. DO NOT SCALE DRAWINGS.
5. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
6. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
8. PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
9. REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.

FLOOR PLAN REFERENCED NOTES:

1. ALIGN CENTER OF WALL TO WINDOW MULLION V.I.F.
2. PATCH EXISTING WALLS WHERE DEVICES WERE REMOVED / RELOCATED.
3. PROVIDE CONT. ACOUSTIC GASKET IN ALL OPEN JOINTS IN EXISTING GLASS PARTITION SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
4. INFILL DEPRESSED FLOOR SLAB (+/- 4" V.I.F.) WITH CONCRETE TO BE FLUSH WITH ADJACENT FLOOR SLABS.
5. WALL MOUNTED MONITOR (REFER TO TECH).
6. FOLDING PARTITION SYSTEM (REFER TO SPECS).
7. REPAIR EXISTING GASKET AND RE-ANCHOR TOP TRACKS AS REQUIRED TO STABILIZE EXISTING WINDOWS.
8. PROVIDE FROSTED VINYL WINDOW FILM AT INTERIOR FACE OF EXISTING EXTERIOR WINDOWS INDICATED.
9. DEPRESSED SEATING AREA EXISTING TO REMAIN.
10. HATCH INDICATES BACKFILL AS REQUIRED AND INFILL PER DETAIL 8/A5.01 REQ. FOR PLUMBING ELECTRICAL WORK.
11. PATCH EXISTING METAL STUD/GYP BD. PARTITION ABOVE TO MATCH EXISTING AT REMOVAL OF EXISTING DUCTWORK.
12. CONTINUOUS GYP BOARD TO DECK ABOVE ON BACKSIDE OF EXISTING CURVED WALL TO REMAIN.
13. ACRYLIC MARKER BOARD - 4' X 36" (REFER TO SPECS)
14. CURVED ACRYLIC MARKER BOARD - DIRECTLY APPLY TO EXISTING PARTITION AND CURVE IN FIELD TO MATCH EXISTING WALL RADIUS - 4' X 8' (REFER TO SPECS)



1 OVERALL FLOOR PLAN
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RCP SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- CEILING TYPE
- CEILING ELEVATION AFF
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- LINEAR WOOD SLAT CEILING SYSTEM
- WOOD PANEL BAFFLES
- RECESSED 2x2 LIGHT FIXTURE
- RECESSED 2x2 FIXTURE
- SURFACE MOUNTED LIGHT LINEAR FIXTURE
- SMALL PENDANT LIGHT FIXTURE
- PENDANT LIGHT MOUNT FIXTURE
- RECESSED DOWN LIGHT
- PENDANT LIGHT MOUNT LINEAR FIXTURE
- SPRINKLER HEAD
- RECESSED LIGHT LINEAR FIXTURE
- EMERGENCY LIGHT
- MANUAL PROJECTOR
- CEILING MOUNTED PROJECTOR
- SOLID HATCH DENOTES EXIT SIGN FACE PLATE
- DIRECTION OF EGRESS
- EXIT SIGN, WALL MOUNTED
- HEAT DETECTOR
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
- LIGHT SENSOR
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- LINEAR DIFFUSER - SUPPLY/RETURN
- ACCESS PANEL
- ELECTRIC UNIT HEATER (REFER TO MECHELEC)

RCP GENERAL NOTES:

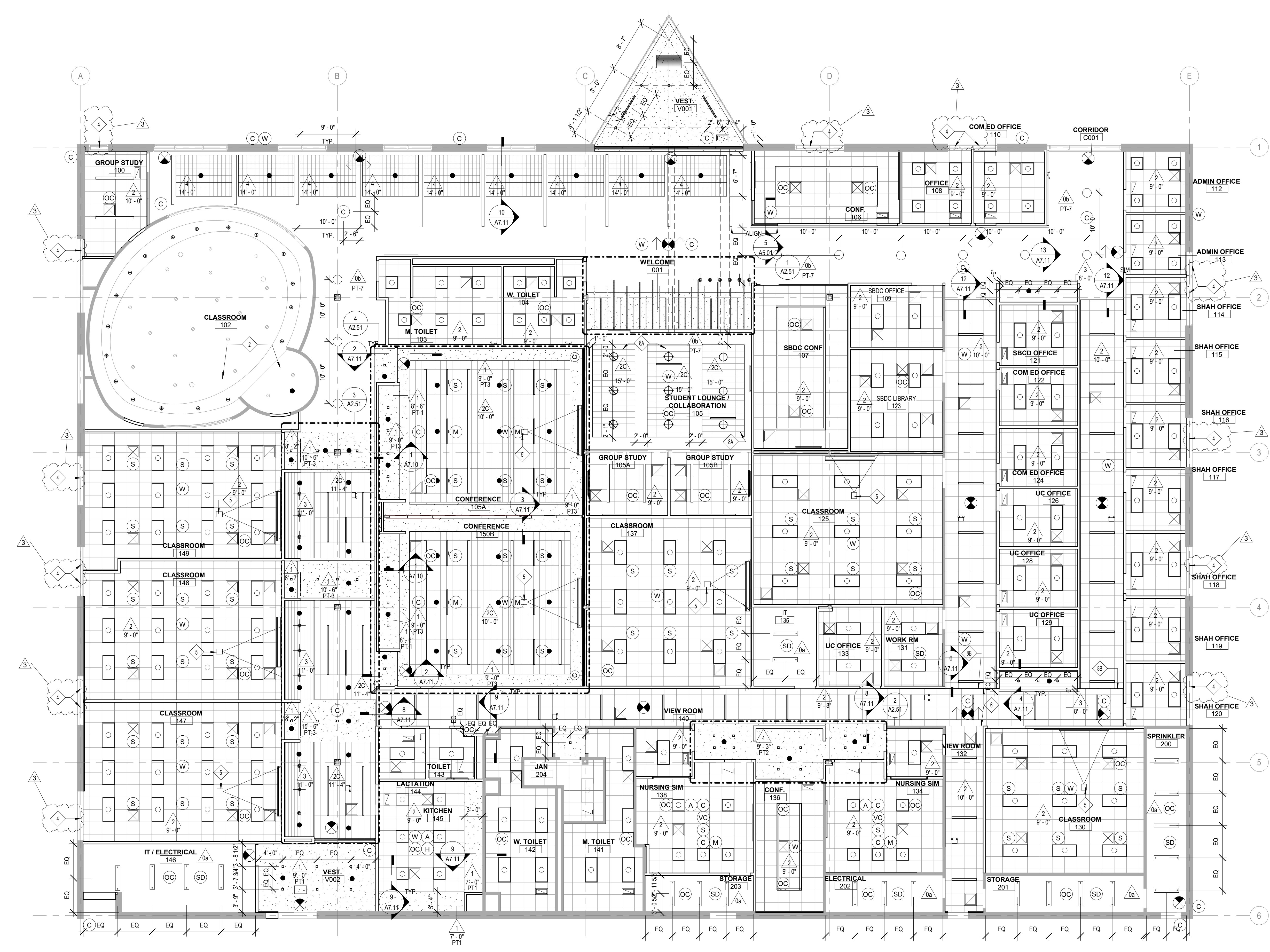
- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE. (UNO)
- CENTER ALL SPRINKLER HEADS IN CEILING TILES.
- ALL GYP. BD. CEILINGS TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 4" MIN. BEYOND FINISHED CEILING ABOVE UNO.

RCP REFERENCED NOTES:

- OPEN TO DECK
- EXISTING CEILING TO REMAIN FOR EXTENTS INDICATED PAINT PT-1. REPLACE EXISTING LIGHTING IN PLACE WITH NEW LIGHT FIXTURES (REFER TO ELEC.)
- (NOT USED)
- MANUAL ROLLER SHADES (REFER TO SPECS)
- CEILING MOUNTED PROJECTOR (REFER TO ELEC/TECH)
- PATCH CURVED GYP BD WALL AS REQUIRED TO INFLU WALL AREA LEFT OPEN BY MECH DEMO (REFER TO MECH)
- (NOT USED)
- 4" PERIMETER TRIM
 - CUSTOM COLOR (REFER TO SPECS)
 - WHITE

CEILING TYPES:

TYPE	DESCRIPTION
0a	EXPOSED EXISTING METAL DECK, NO PAINT
0b	EXPOSED EXISTING METAL DECK - PAINT ALL STRUCTURE, DUCT, PIPING, ETC. AS INDICATED
1	PAINTED GYP BOARD ON METAL FRAMING
2	2X2 ACOUSTICAL PANEL SYSTEM
2C	SCORED ACOUSTICAL PANEL SYSTEM
3	LINEAR WOOD PANEL SYSTEM
4	PERFORATED WOOD TILE CEILING
5	CUSTOM WOOD GRAIN PET BAFFLE SYSTEM



1 REFLECTED CEILING PLAN
 1/8" = 1'-0"

KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION:	DATE:
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3	Addendum #4	10/12/23

SHEET TITLE:
REFLECTED CEILING PLAN

SHEET NUMBER:
A2.11



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RCP SYMBOLS LEGEND:

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- CEILING TYPE
- CEILING ELEVATION AFF
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- GYPSUM BOARD CEILING OR SOFFIT
- LINEAR WOOD SLAT CEILING SYSTEM
- WOOD PANEL BAFFLES
- RECESSED 2x2 LIGHT FIXTURE
- RECESSED 2x2 FIXTURE
- SURFACE MOUNTED LIGHT LINEAR FIXTURE
- SMALL PENDANT LIGHT FIXTURE
- PENDANT LIGHT MOUNT FIXTURE
- RECESSED DOWN LIGHT
- PENDANT LIGHT MOUNT LINEAR FIXTURE
- SPRINKLER HEAD
- RECESSED LIGHT LINEAR FIXTURE
- EMERGENCY LIGHT
- MANUAL PROJECTOR
- CEILING MOUNTED PROJECTOR
- SOLID HATCH DENOTES EXIT SIGN FACE PLATE
- DIRECTION OF EGRESS
- EXIT SIGN, WALL MOUNTED
- HEAT DETECTOR
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
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RCP GENERAL NOTES:

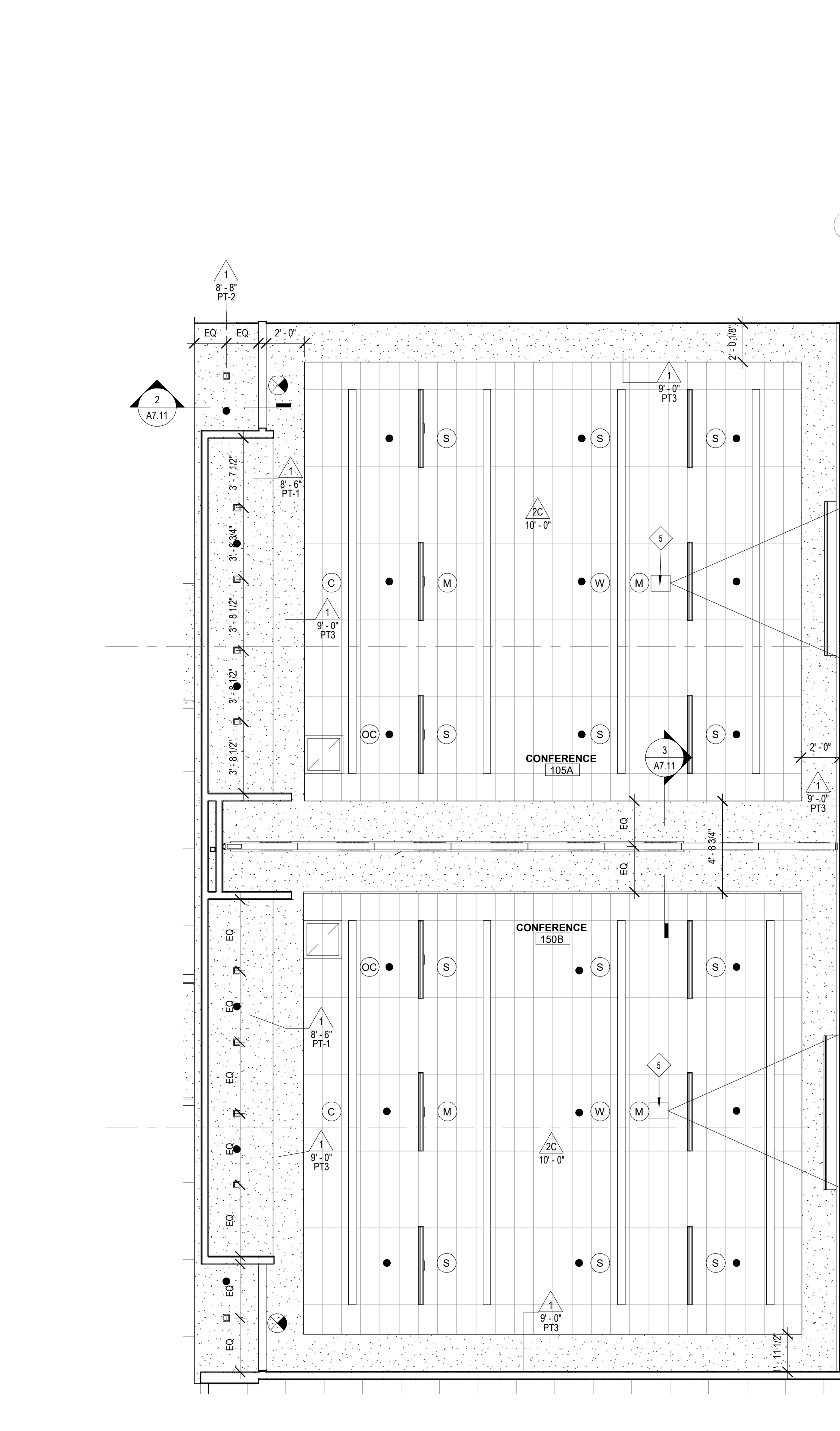
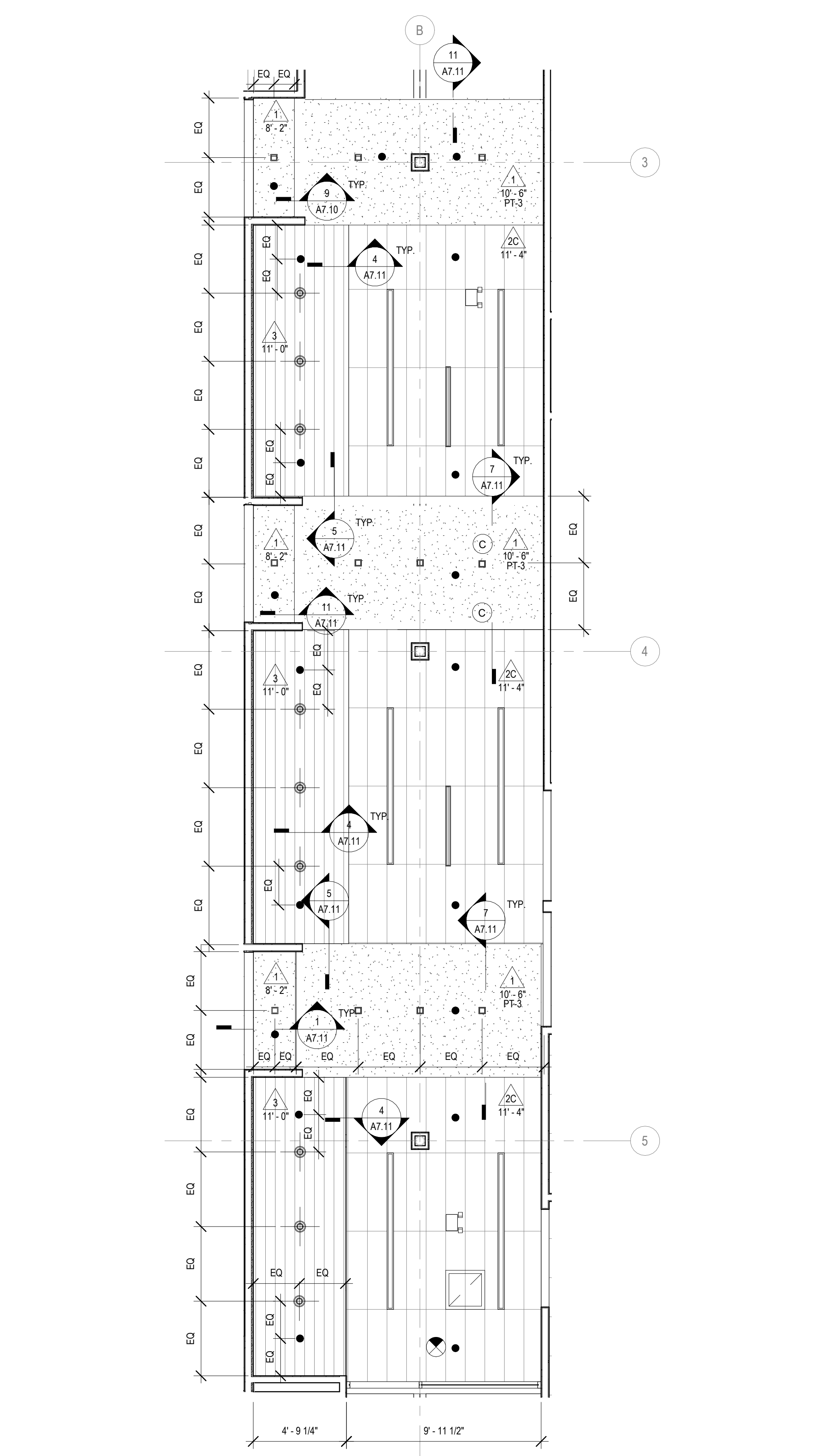
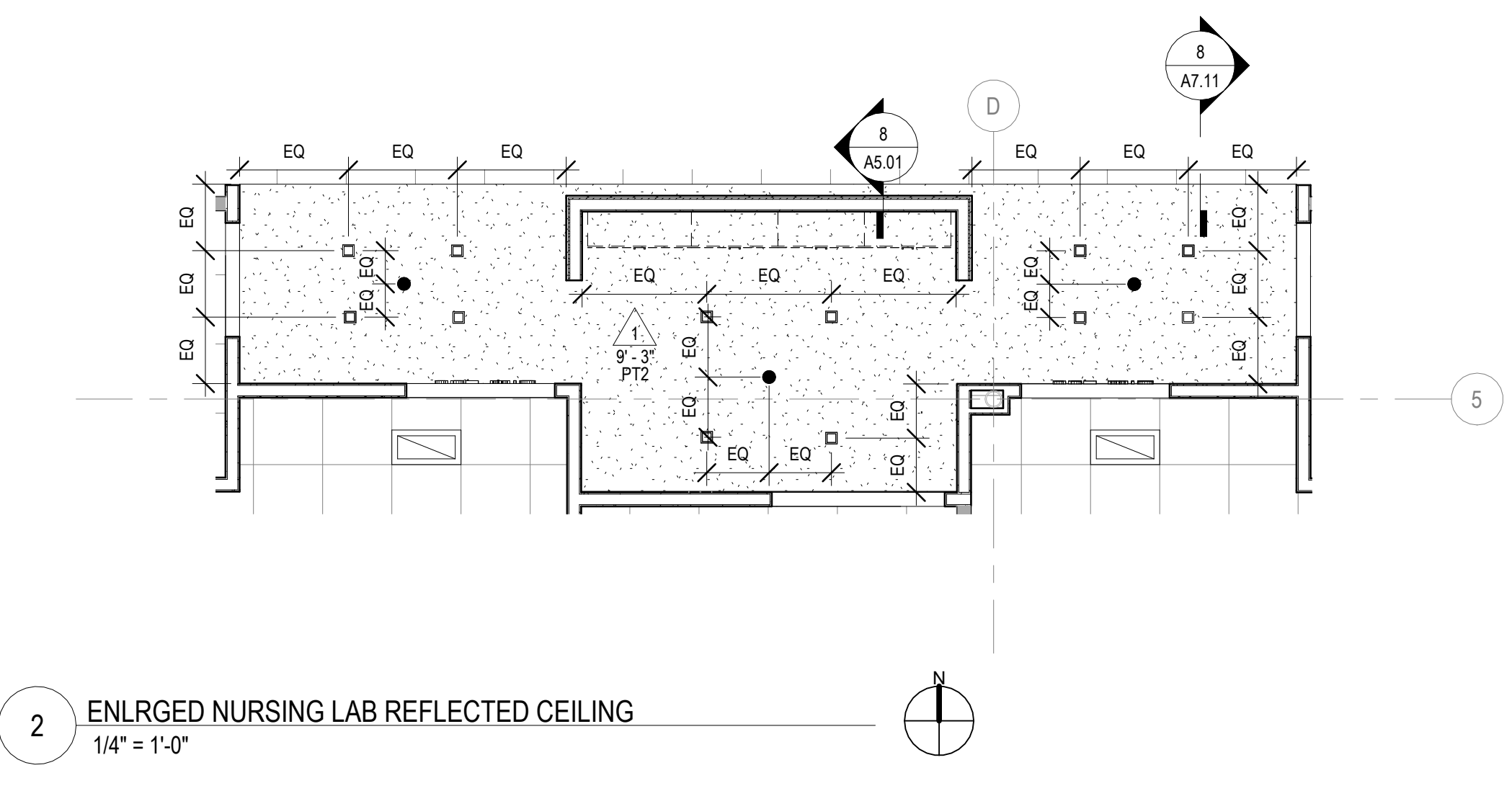
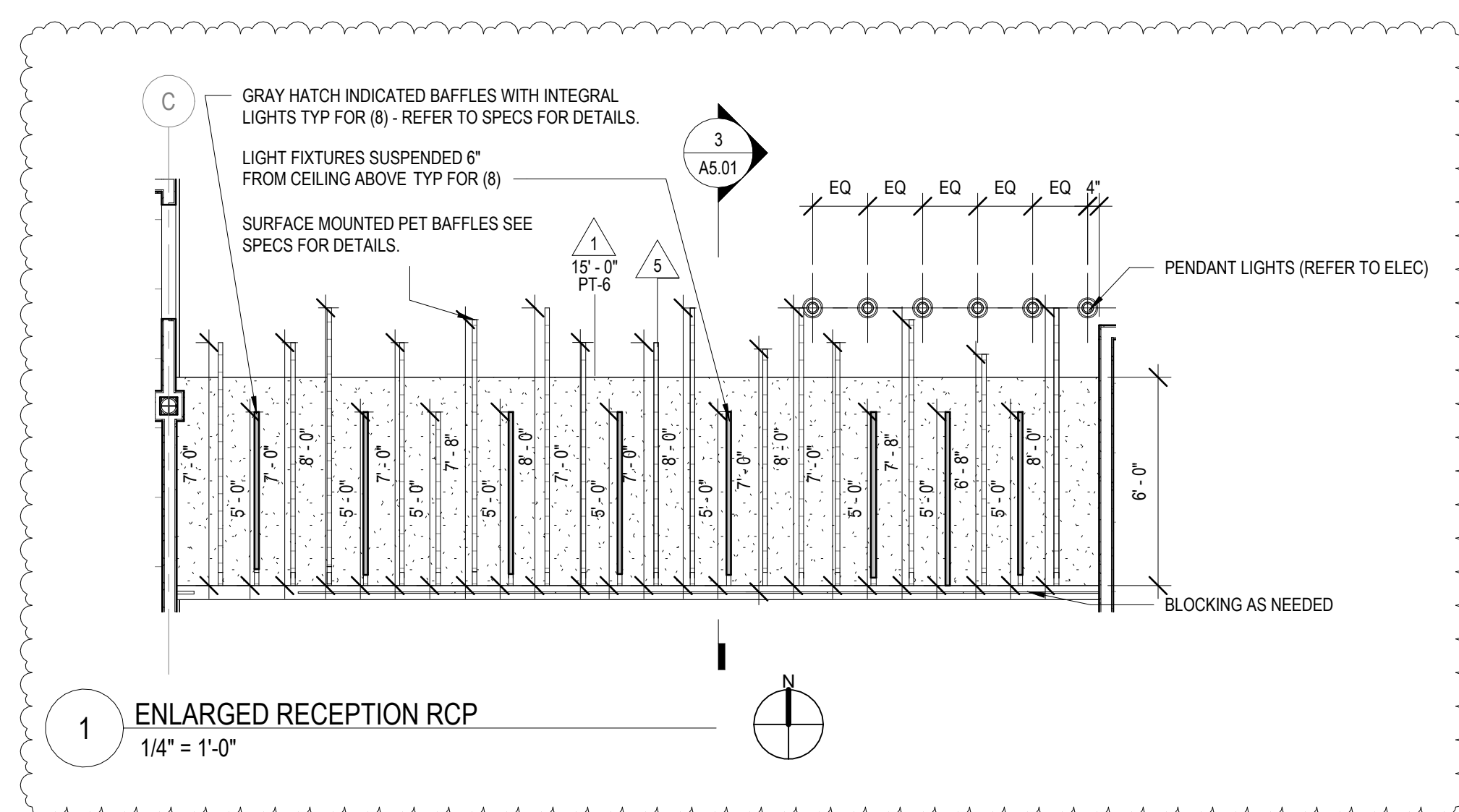
1. ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
2. IN AREAS THAT DO NOT HAVE ARCHITECTURAL REFLECTED CEILING PLANS YET REQUIRE NEW ITEMS TO BE INSTALLED IN OR ABOVE THE CEILING PLANE, CONTRACTOR SHALL REMOVE AND REINSTALL, REPLACE OR MODIFY EXISTING CEILING CONSTRUCTION TO ACCOMMODATE NEW WORK. ANY NEW CEILING AREAS SHALL MATCH EXISTING ADJACENT FINISHES.
3. CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE. (UNO)
4. CENTER ALL SPRINKLER HEADS IN CEILING TILES.
5. ALL GYP. BD. CEILINGS TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED ON PLANS
6. EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 4" MIN. BEYOND FINISHED CEILING ABOVE U.I.O.

RCP REFERENCED NOTES:

1. OPEN TO DECK
2. EXISTING CEILING TO REMAIN FOR EXTENTS INDICATED PAINT PT-1. REPLACE EXISTING LIGHTING IN PLACE WITH NEW LIGHT FIXTURES (REFER TO ELEC.)
3. (NOT USED)
4. MANUAL ROLLER SHADES (REFER TO SPECS)
5. CEILING MOUNTED PROJECTOR (REFER TO ELEC/TECH)
6. PATCH CURVED GYP BD WALL AS REQUIRED TO INFILL WALL AREA LEFT OPEN BY MECH DEMO (REFER TO MECH)
7. (NOT USED)
8. 4" PERIMETER TRIM
 - A. CUSTOM COLOR (REFER TO SPECS)
 - B. WHITE

CEILING TYPES:

TYPE	DESCRIPTION
0a	EXPOSED EXISTING METAL DECK, NO PAINT
0b	EXPOSED EXISTING METAL DECK - PAINT ALL STRUCTURE, DUCT, PIPING, ETC. AS INDICATED
1	PAINTED GYP BOARD ON METAL FRAMING
2	2X2 ACOUSTICAL PANEL SYSTEM
2C	SCORED ACOUSTICAL PANEL SYSTEM
3	LINEAR WOOD PANEL SYSTEM
4	PERFORATED WOOD TILE CEILING
5	CUSTOM WOOD GRAIN PET BAFFLE SYSTEM



KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION:	DATE:
2	Addendum #3	10/6/23
3	Addendum #4	10/12/23

SHEET TITLE:
ENLARGED REFLECTED CEILING PLAN

SHEET NUMBER:
A2.51

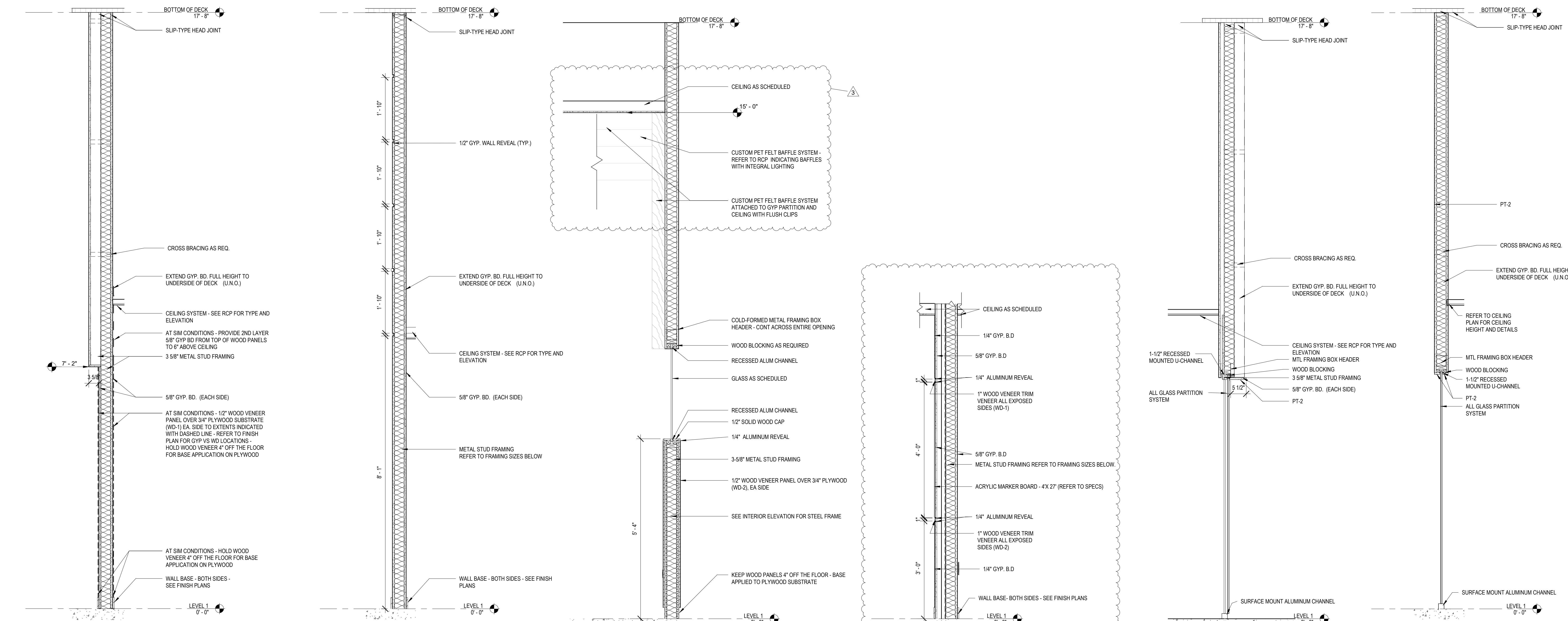
KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

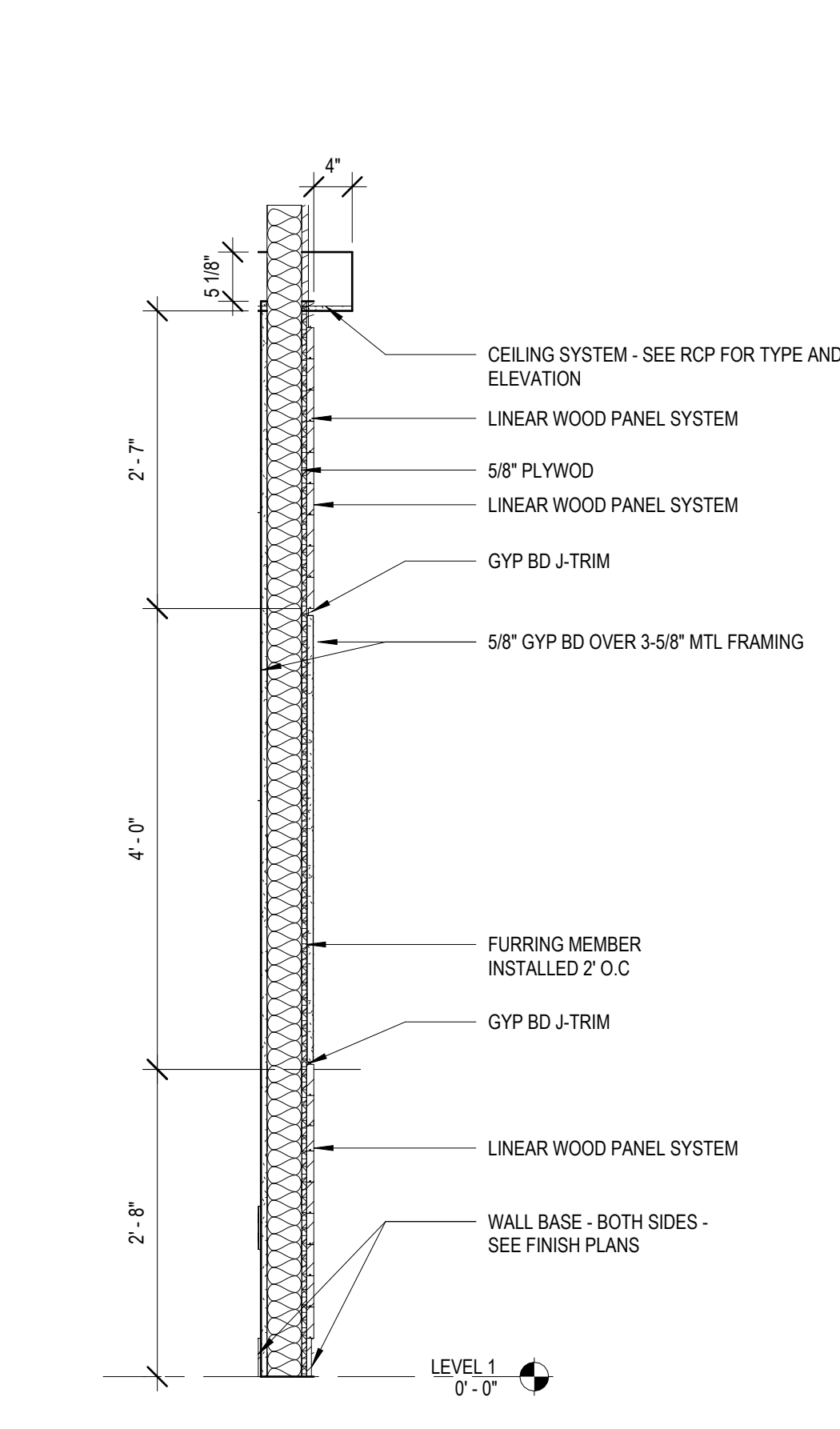
NO.	DESCRIPTION:	DATE:
2	Addendum #3	10/6/23
3	Addendum #4	10/12/23

SHEET TITLE:
SECTION DETAILS

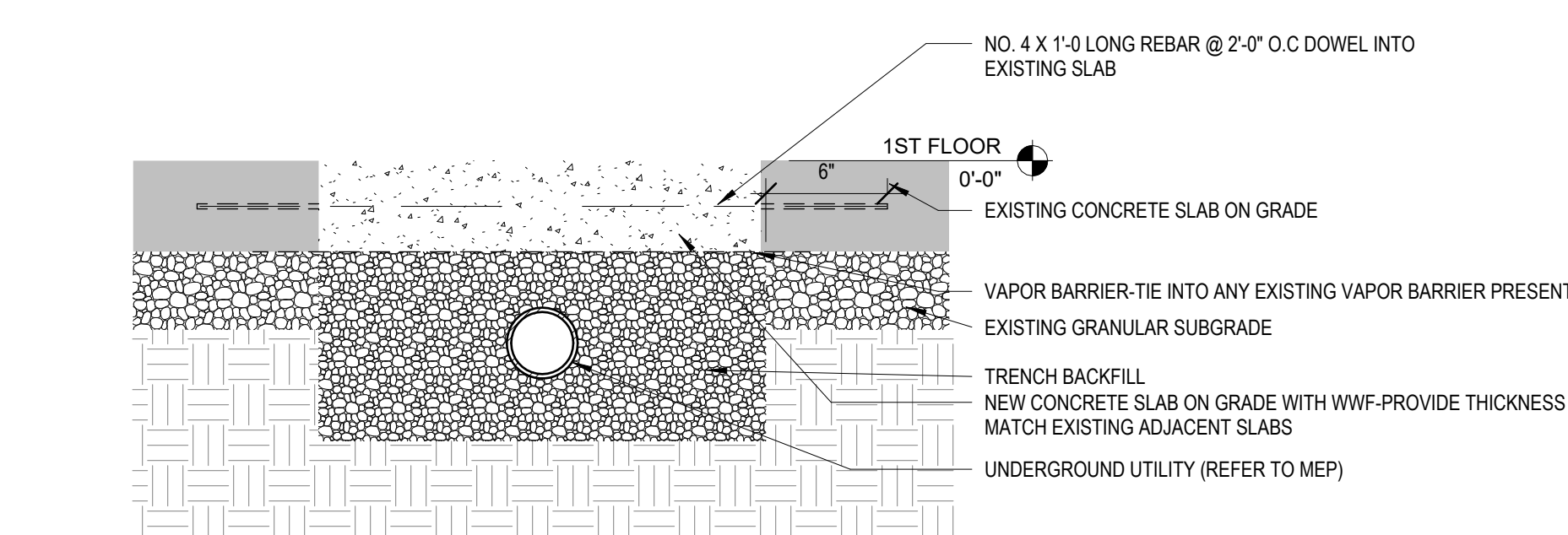
SHEET NUMBER:
A5.01



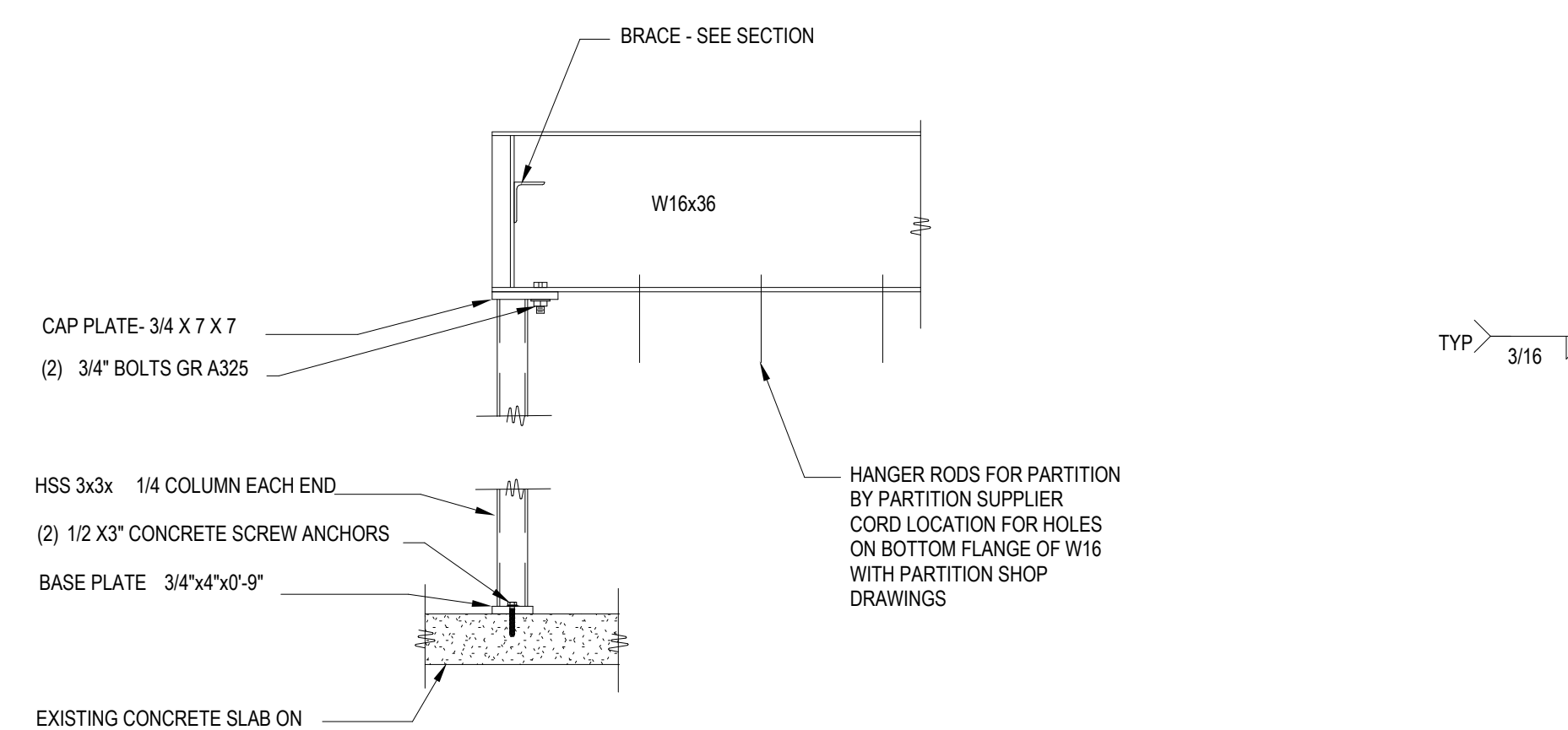
1 CORRIDOR WALL SECTION 3/4" = 1'-0"
 2 WALL REVEAL SECTION 3/4" = 1'-0"
 3 WOOD VENEER WALL 3/4" = 1'-0"
 4 CONF. ROOM WALL 3/4" = 1'-0"
 5 CORRIDOR GLASS WALL SECTION 3/4" = 1'-0"
 6 GLASS WALL SECTION 3/4" = 1'-0"



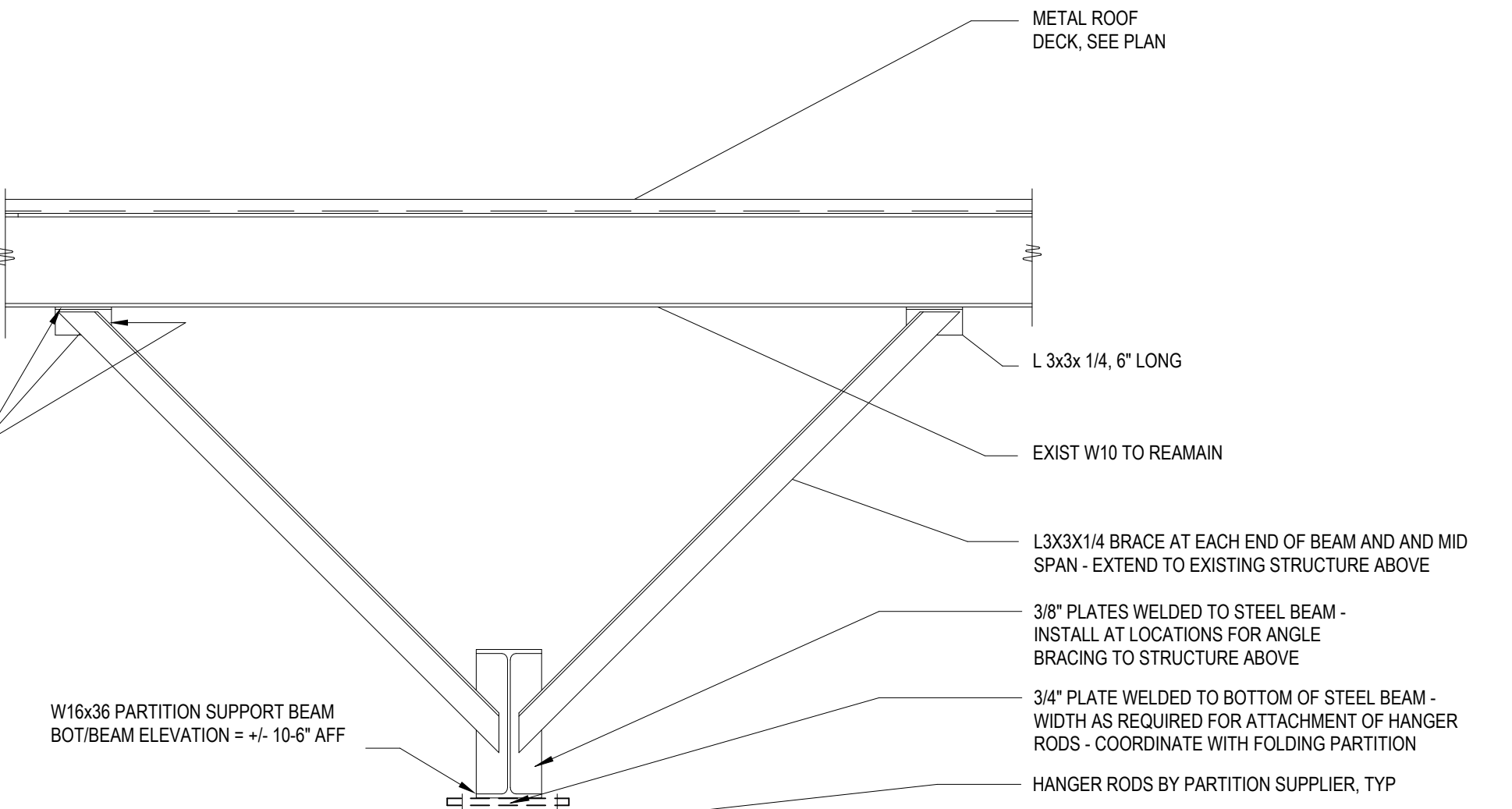
8 SECTION DETAIL 3/4" = 1'-0"



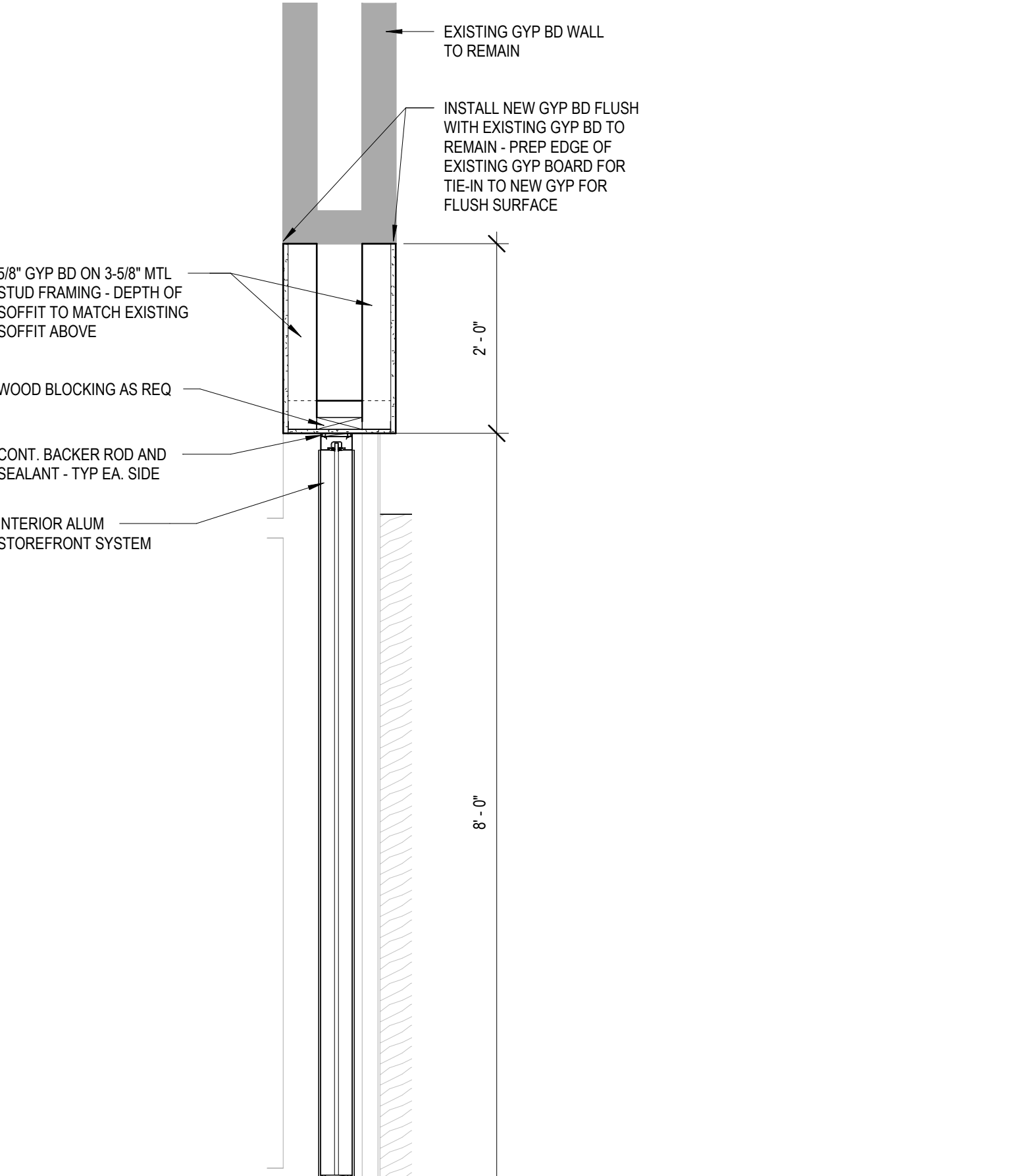
9 SECTION DETAIL 1 1/2" = 1'-0"



10 OPERABLE PARTITION SUPPORT DETAIL AT END 3/4" = 1'-0"



11 OPERABLE PARTITION BRACING SECTION AT OPERABLE PARTITION 3/4" = 1'-0"



12 ENTRANCE WALL SECTION 3/4" = 1'-0"

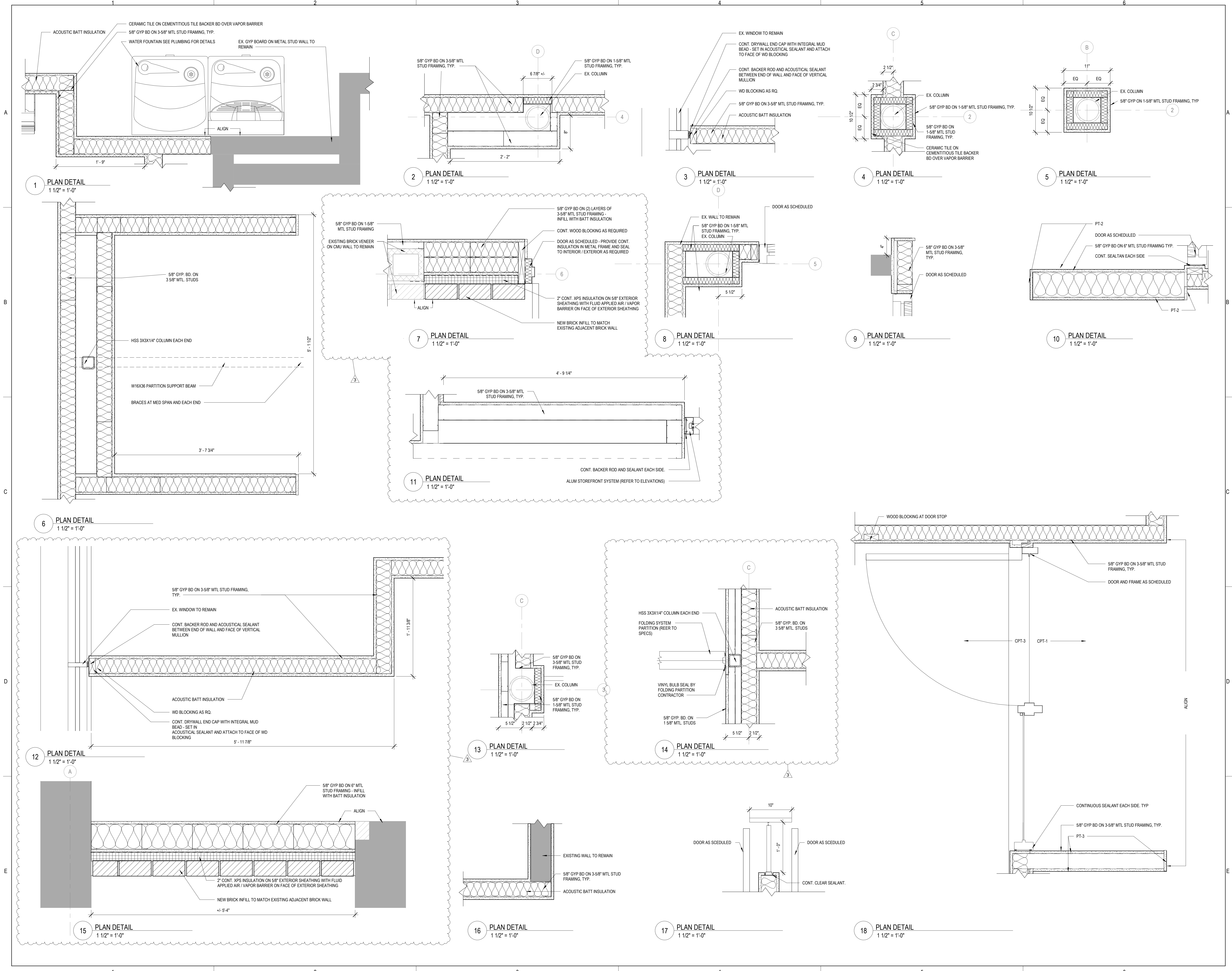
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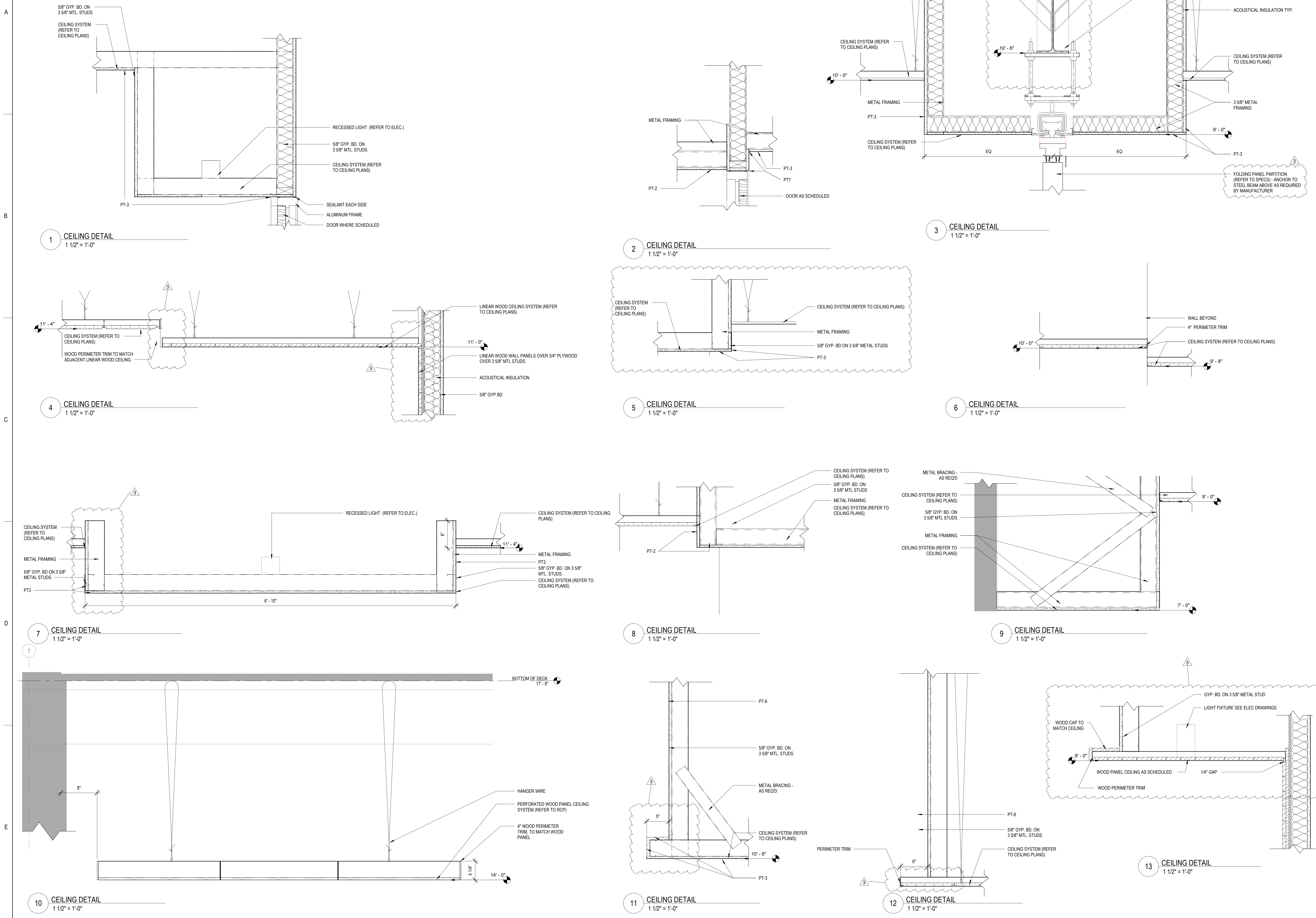
SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION:	DATE:
3	Addendum #4	10/12/23

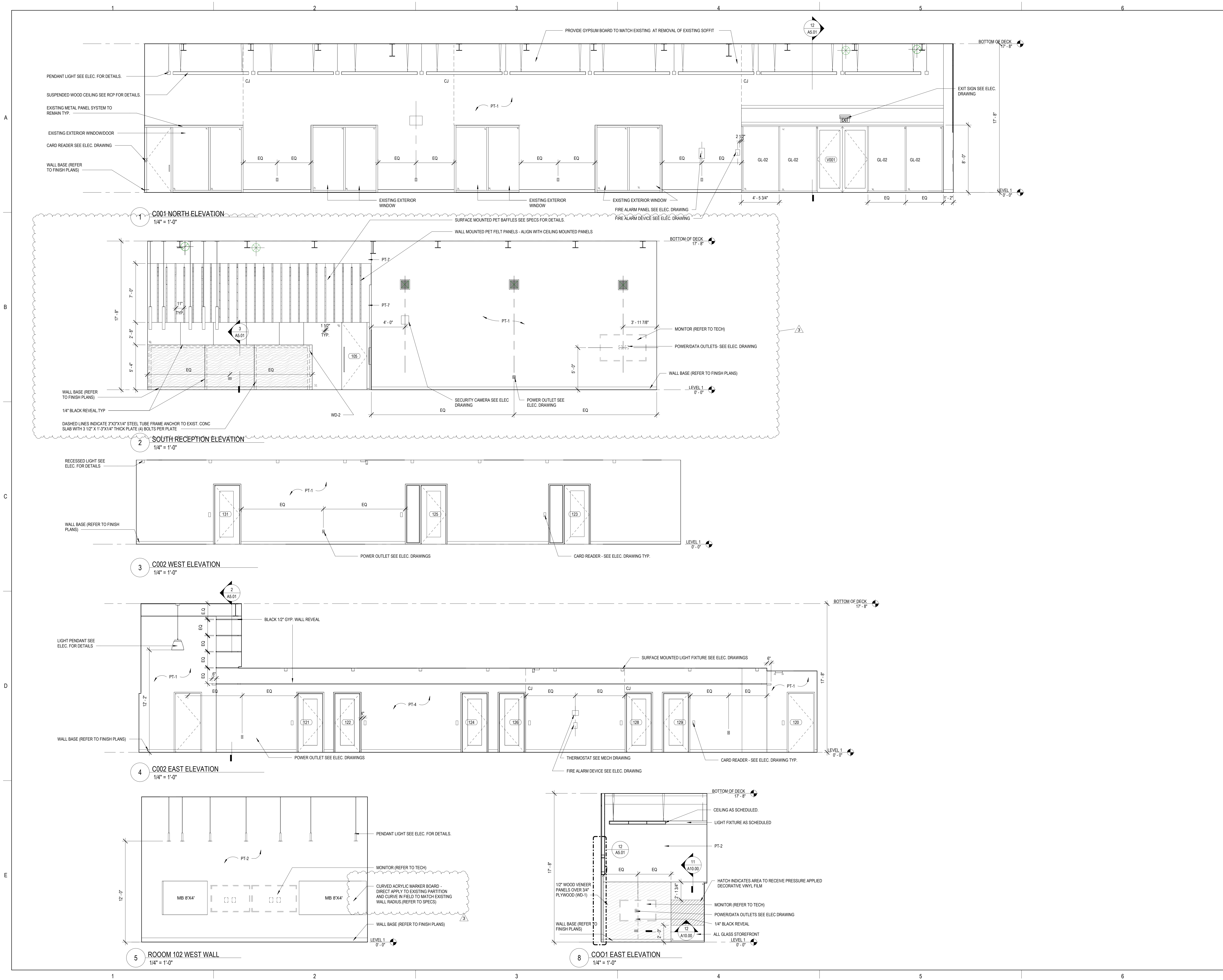
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PLAN DETAILS

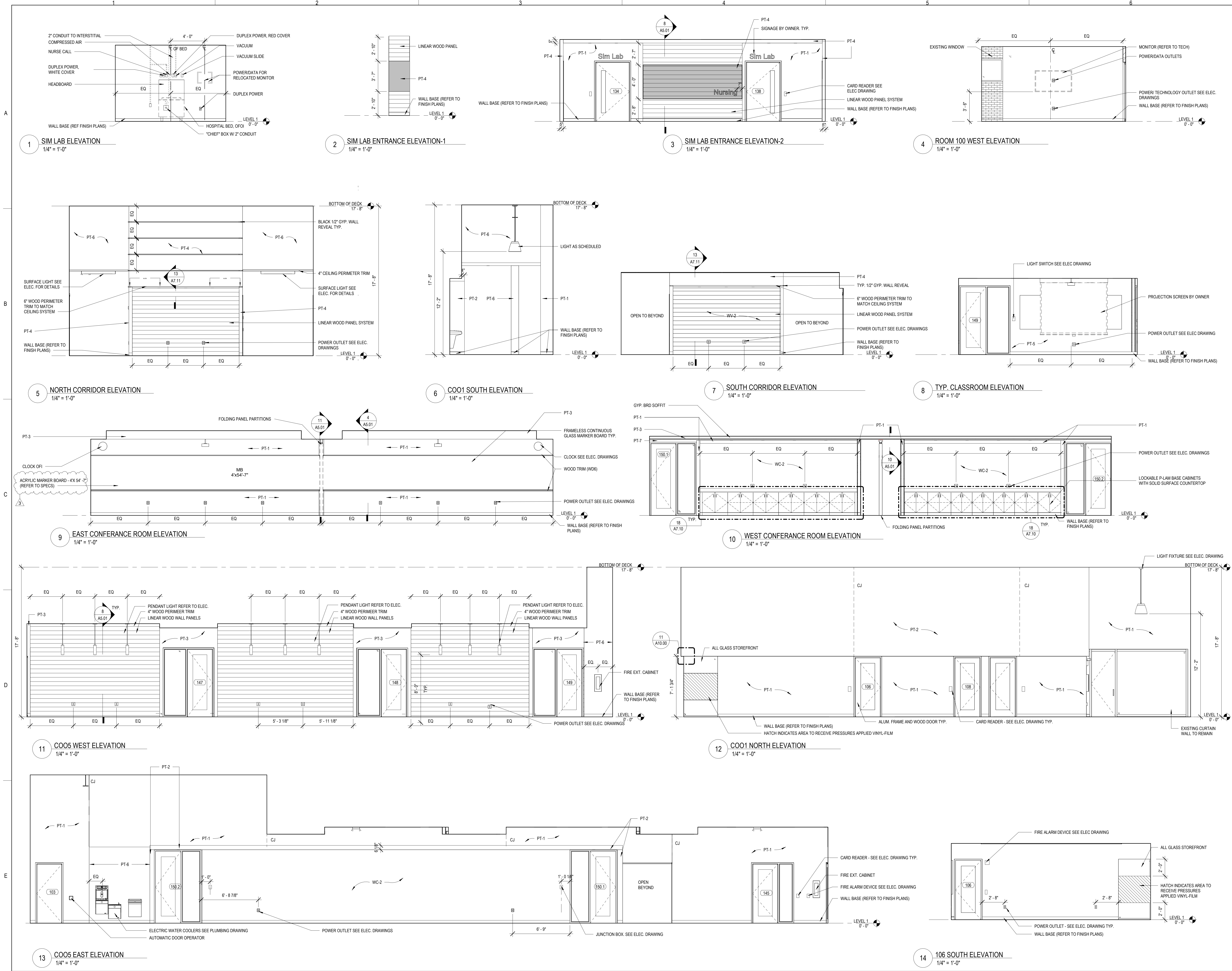
SHEET NUMBER:
A7.10





NO.	DESCRIPTION:	DATE:
3	Addendum #4	10/12/23







ARCHITECT OF RECORD
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CIVIL ENGINEERS
HRG GREEN
 1391 CORPORATE DRIVE, SUITE
 203 MCHENRY, IL 60050
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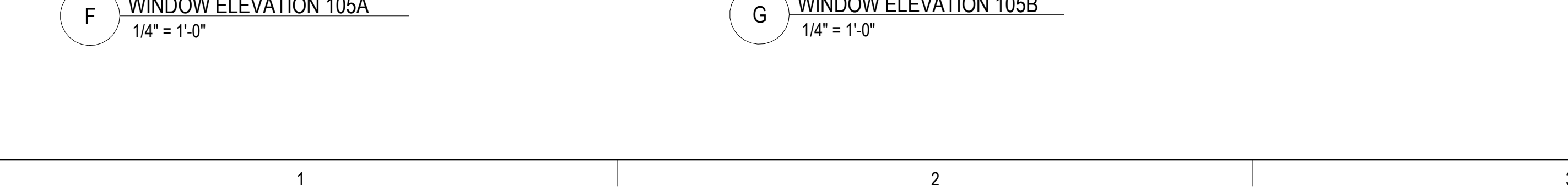
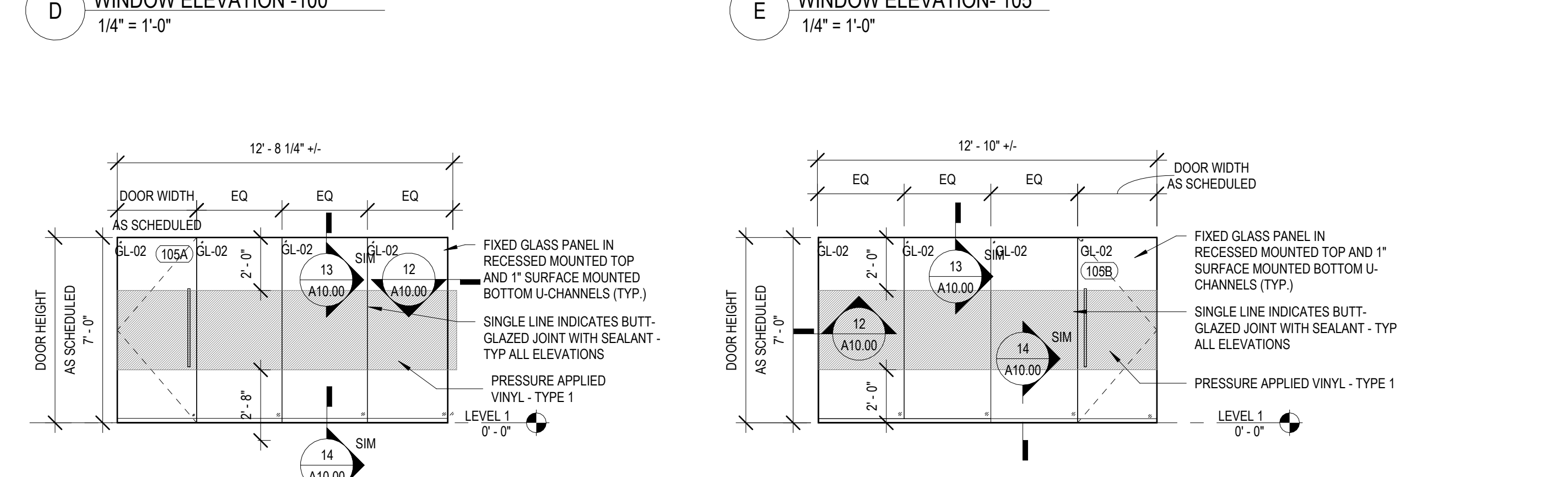
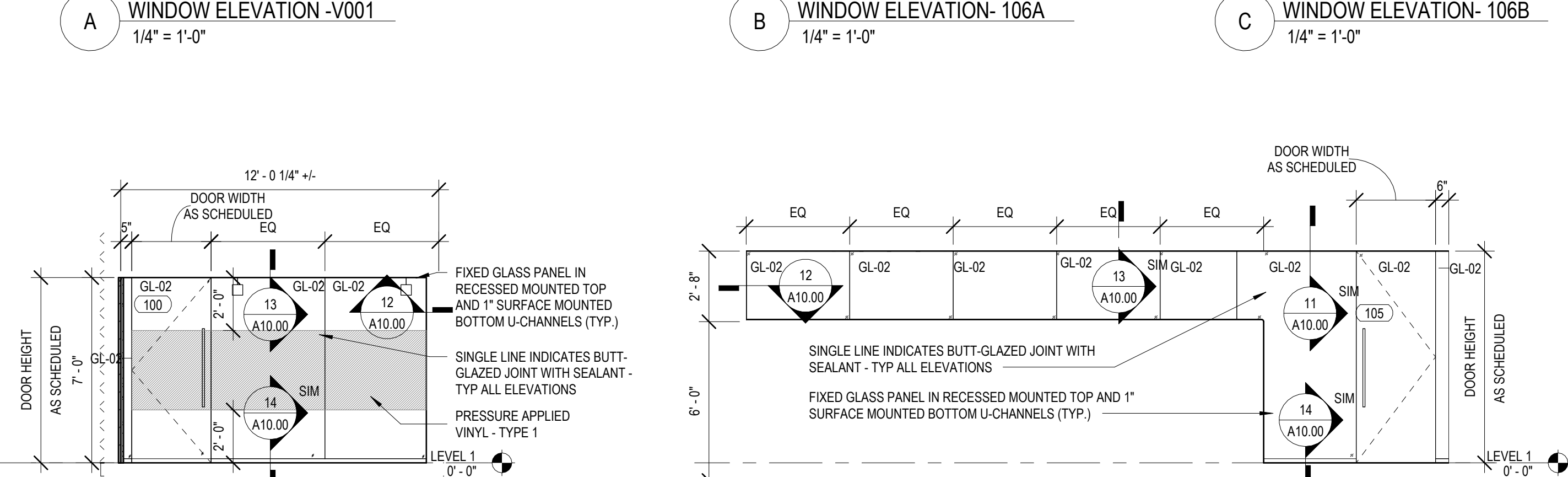
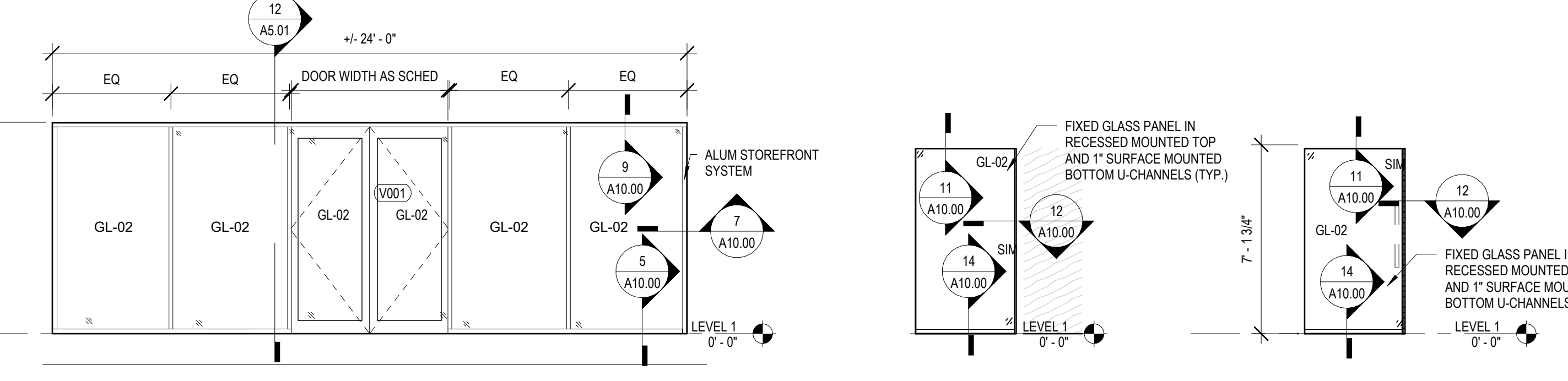
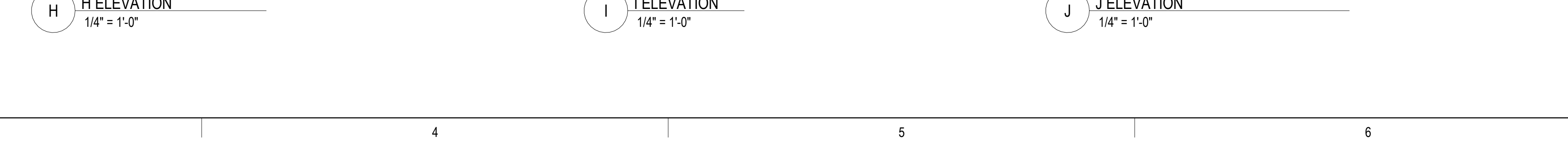
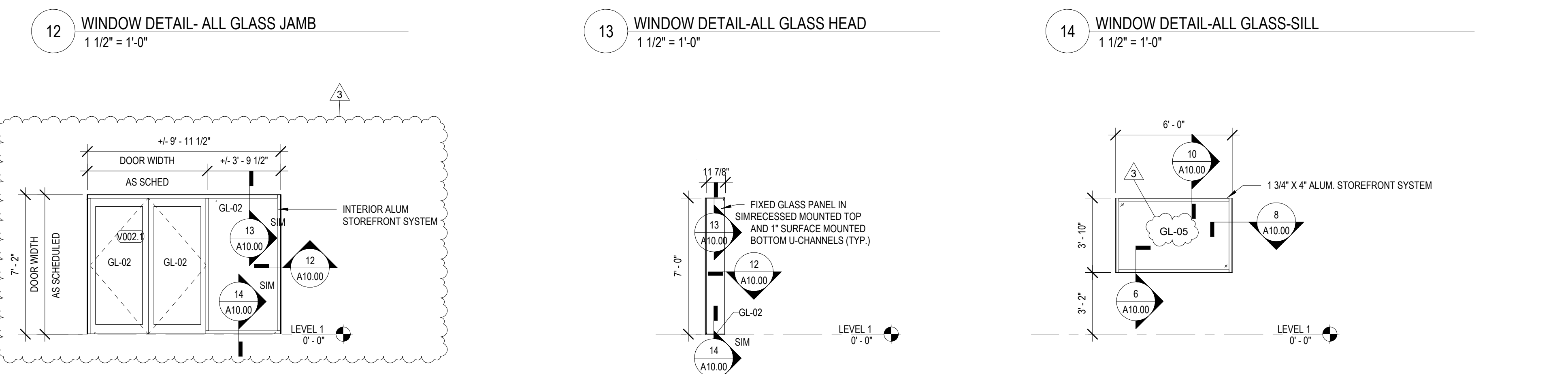
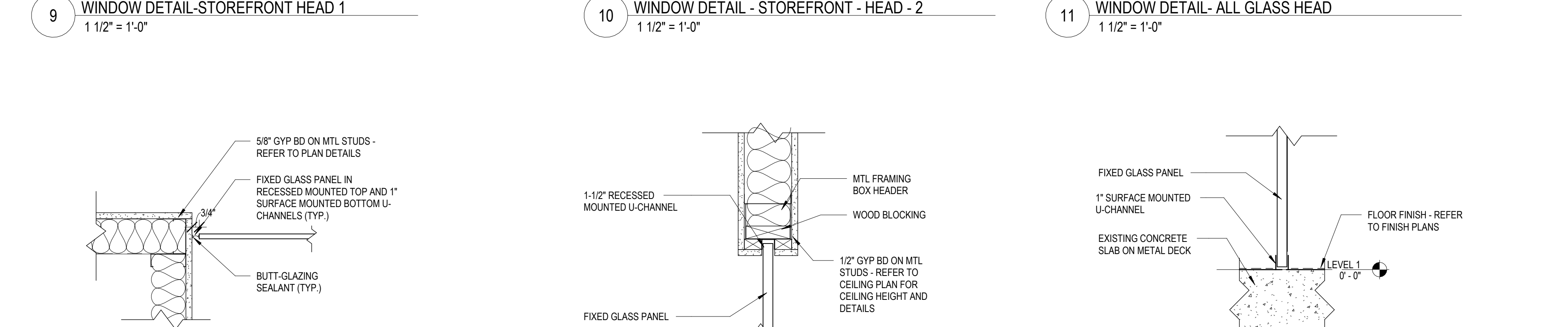
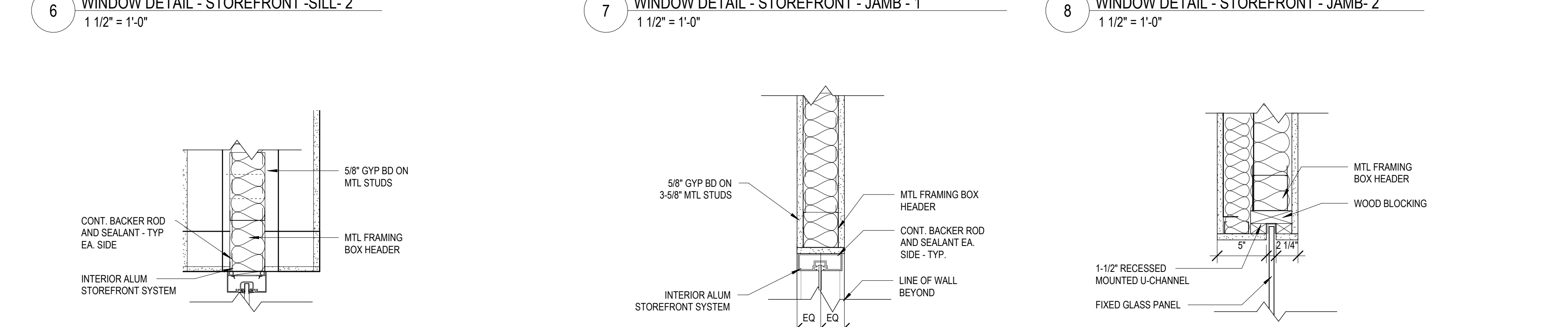
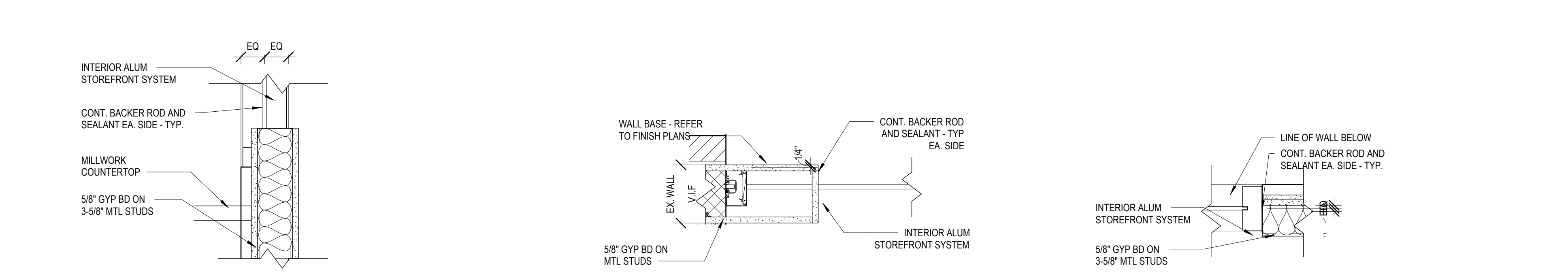
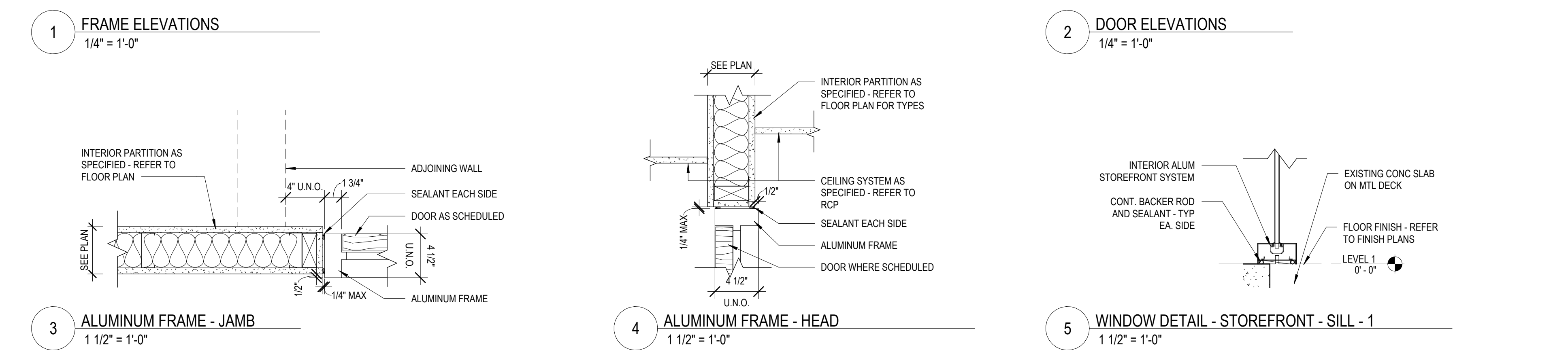
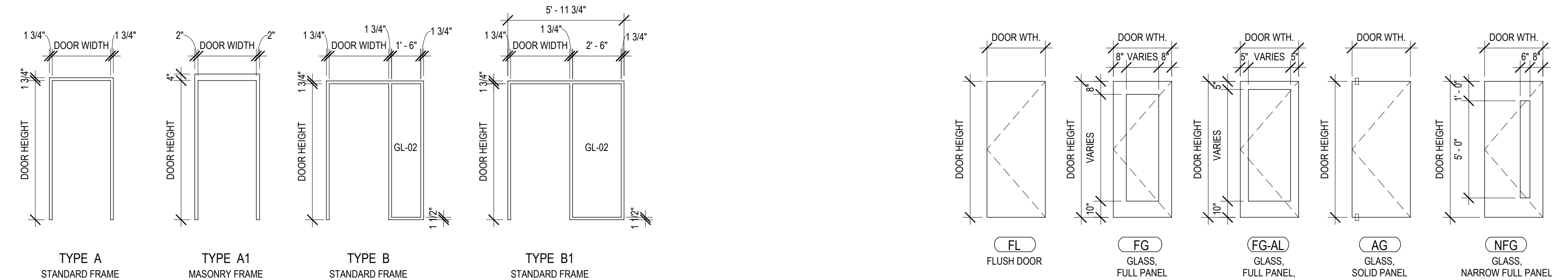
MCHENRY COUNTY COLLEGE
UNIVERSITY CENTER AT MCC
 222 E CHURCH ST
 WOODSTOCK, ILLINOIS 60098
 DKA PROJECT NO: 22-050

DOOR AND FRAME SCHEDULE

NUMBER	ROOM NAME	DOOR		MATERIAL	ELEV	FRAME		HARDWARE SET	REMARKS	
		WIDTH	HEIGHT			GLAZING TYPE	MATERIAL			ELEV
100	GROUP STUDY	3'-0"	7'-0"	AG	AG	GL-02	-	-	12	
103	M. TOILET	3'-0"	7'-0"	WD	FL	-	AL	A	01	AUTO OPERATOR
104	W. TOILET	3'-0"	7'-0"	WD	FL	-	AL	A	01	AUTO OPERATOR
105	STUDENT LOUNGE / COLLABORATION	3'-0"	8'-0"	AG	AG	GL-02	-	-	12	
105A	GROUP STUDY	3'-0"	7'-0"	AG	AG	GL-02	-	-	12	
106	CONF.	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
107	SBDC CONF	3'-0"	7'-0"	AG	AG	GL-02	-	-	12	
108	OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
108	OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
109	SBDC OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	B	04	CARD READERS (REFER TO TECH)
110	COM ED OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
112	ADMIN OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
113	ADMIN OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
114	SHAH OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
115	SHAH OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
116	SHAH OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
117	SHAH OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
118	SHAH OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
119	SHAH OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
120	SHAH OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
121	SBDC OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
122	COM ED OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
123	SBDC LIBRARY	3'-0"	7'-0"	WD	FG	GL-02	AL	B	04	CARD READERS (REFER TO TECH)
124	COM ED OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
125	CLASSROOM	3'-0"	7'-0"	WD	FG	GL-02	AL	B	04	CARD READERS (REFER TO TECH)
126	UC OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
128	UC OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
129	UC OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
130	CLASSROOM	3'-0"	7'-0"	WD	FG	GL-02	AL	B	04	CARD READERS (REFER TO TECH)
131	WORK RM	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
132	VIEW ROOM	3'-0"	7'-0"	WD	FG	GL-02	AL	A	07	CARD READERS (REFER TO TECH)
133	UC OFFICE	3'-0"	7'-0"	WD	FG	GL-02	AL	A	04	CARD READERS (REFER TO TECH)
134	NURSING SIM	4'-0"	7'-0"	WD	NFG	GL-01	AL	A	07	CARD READERS (REFER TO TECH)
135	IT	3'-0"	7'-0"	WD	FL	-	AL	A	04	CARD READERS (REFER TO TECH)
136	CONF.	3'-0"	7'-0"	WD	NFG	GL-01	AL	B	05	CARD READERS (REFER TO TECH)
137	CLASSROOM	3'-0"	7'-0"	WD	FG	GL-02	AL	B	04	CARD READERS (REFER TO TECH)
138	NURSING SIM	4'-0"	7'-0"	WD	NFG	GL-01	AL	A	07	CARD READERS (REFER TO TECH)
140	VIEW ROOM	3'-0"	7'-0"	WD	FG	GL-02	AL	A	07	CARD READERS (REFER TO TECH)
141	M. TOILET	3'-0"	7'-0"	WD	FL	GL-02	AL	A	01	AUTO OPERATOR
142	W. TOILET	3'-0"	7'-0"	WD	FL	GL-02	AL	A	01	AUTO OPERATOR
143	TOILET	3'-0"	7'-0"	WD	FL	GL-02	AL	A	02	
144	LACTATION	3'-0"	7'-0"	WD	FL	GL-02	AL	A	03	CARD READERS (REFER TO TECH)
145	KITCHEN	3'-0"	7'-0"	WD	FL	-	AL	B	04	CARD READERS (REFER TO TECH)
146	IT / ELECTRICAL	3'-0"	7'-0"	WD	FL	GL-02	AL	A	10	PANIC HARDWARE, CARD READERS (REFER TO TECH)
147	CLASSROOM	3'-0"	8'-0"	WD	FG	GL-02	AL	B1	04	CARD READERS (REFER TO TECH)
148	CLASSROOM	3'-0"	8'-0"	WD	FG	GL-02	AL	B1	04	CARD READERS (REFER TO TECH)
149	CLASSROOM	3'-0"	8'-0"	WD	FG	GL-02	AL	B1	04	CARD READERS (REFER TO TECH)
150.1	CONFERENCE	3'-0"	8'-6"	WD	FG	GL-02	AL	B	10	PANIC HARDWARE, CARD READERS (REFER TO TECH)
150.2	CONFERENCE	3'-0"	8'-6"	WD	FG	GL-02	AL	B	10	PANIC HARDWARE, CARD READERS (REFER TO TECH)
203	STORAGE	3'-0"	7'-0"	WD	FL	-	AL	A	04	CARD READERS (REFER TO TECH)
204	JAN	3'-0"	7'-0"	WD	FL	-	AL	A	06	CARD READERS (REFER TO TECH)
V001	VEST.	6'-0"	7'-10 3/4"	ALUM	FG AL	GL-02	AL	-	08	PANIC HARDWARE
V002.1	VEST.	6'-0"	7'-10 3/4"	ALUM	FG AL	GL-02	AL	-	08	PANIC HARDWARE
V002.2	VEST.	6'-0"	7'-0"	HM	FL	-	HM	A	09	PANIC HARDWARE, CARD READERS (REFER TO TECH)

GLAZING SCHEDULE

GL-01	1/4" CLEAR FULLY TEMPERED FLOAT GLASS
GL-02	1/2" CLEAR FULLY TEMPERED FLOAT GLASS
GL-05	ONE-WAY VISION GLASS-VISIBILITY FROM VIEWING ROOM SIDE



KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION:	DATE:
2	Addendum #3	10/02/23
3	Addendum #4	10/12/23

SHEET TITLE:
DOOR SCHEDULE, ELEVATIONS, AND DETAILS

SHEET NUMBER:

A10.00

10/12/2023 3:42:08 PM



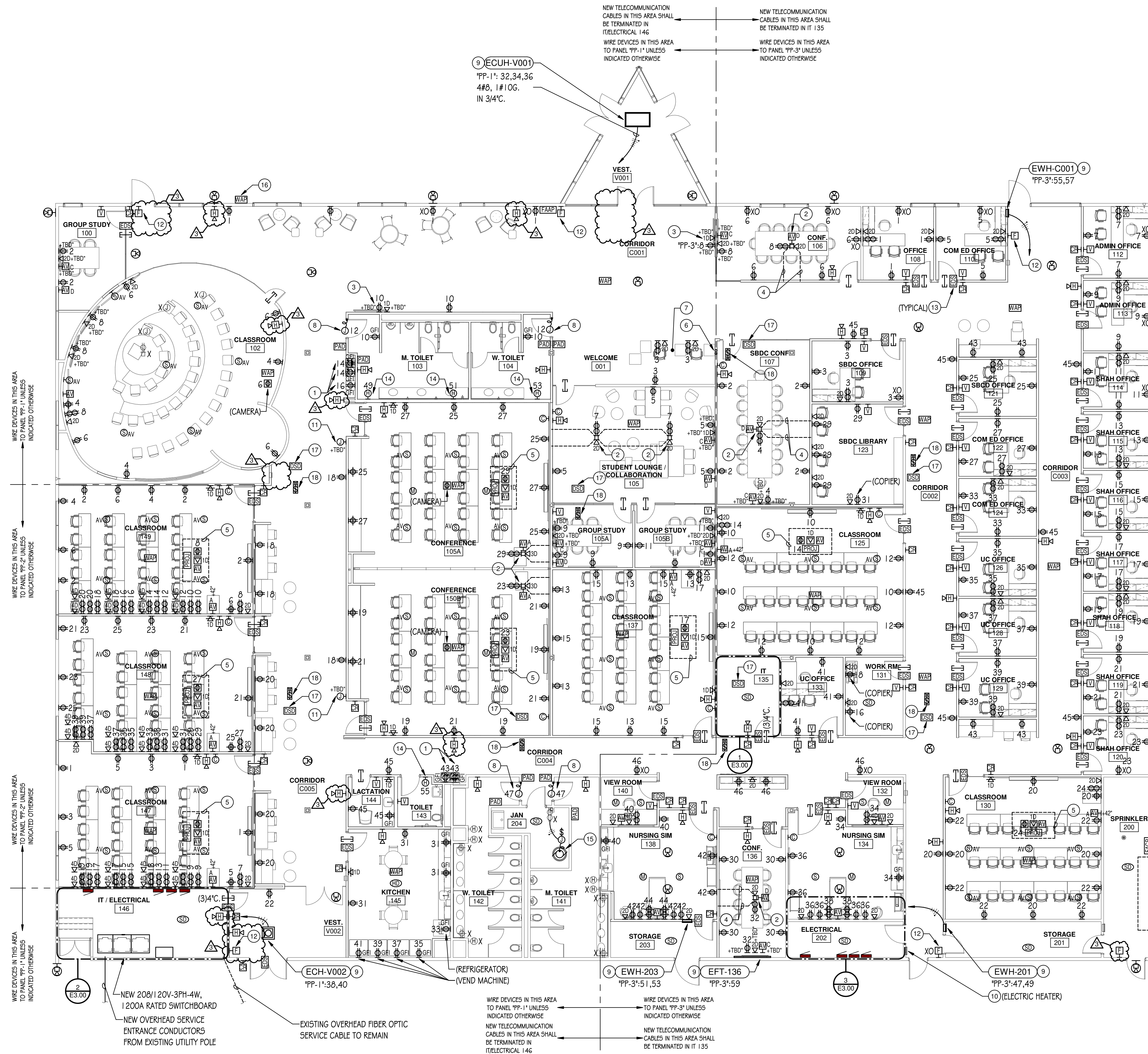
ARCHITECT OF RECORD
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MEP-PP-T-ENGINEERS
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 P: 847.882.2010 F: 847.882.2201

CIVIL ENGINEERS
HRG GREEN
 1391 CORPORATE DRIVE, SUITE
 203 MCHENRY, IL 60050
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DRAWING NOTES

- INSTALL RECEPTACLE FOR ELECTRIC WATER COOLER (EWC) WITHIN EWC CABINET AS RECOMMENDED BY MANUFACTURER.
- PROVIDE FOUR-COMPARTMENT, ON-GRADE, CAST IRON FLOOR BOX AS MANUFACTURED BY LEGRAND WIREMOLD RFB4-CI SERIES OR EQUAL, WITH FLANGED COVER ASSEMBLY #FPBC. COVER FINISH SHALL BE SELECTED BY THE ARCHITECT. PROVIDE ALL INTERNAL BRACKETS AS REQUIRED TO ACCOMMODATE BOTH POWER AND LOW VOLTAGE. ROUTE (1) 3/4" CONDUIT FOR POWER AND (2) 1/4" CONDUIT FOR LOW VOLTAGE. VERIFY FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- FOR DISPLAY MONITOR. FIELD VERIFY EXACT HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- ROUTE IN SLAB 3/4" CONDUIT FOR POWER AND (2) 1/4" CONDUITS FOR LOW VOLTAGE TO NEAREST WALL FOR TRANSITION UP ACCESSIBLE CEILING SPACE. CONTRACTOR SHALL CHANNEL, PATCH AND REPAIR FLOOR TO MATCH SURROUNDING SURFACE. FIELD VERIFY EXACT REQUIREMENTS.
- DEVICES SHOWN SHALL BE LOCATED INSIDE CEILING MOUNTED ENCLOSURE / PROJECTOR MOUNT. REFER TO ELECTRICAL DETAILS SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE NEW CONDUITS FOR FEED TO DEVICES IN MILLWORK. INSTALL (1) 3/4" CONDUIT FOR POWER AND (2) 1" EMPTY CONDUITS STUBBED TO ACCESSIBLE CEILING SPACE FOR LOW VOLTAGE CABLES. FIELD VERIFY EXACT REQUIREMENTS.
- DEVICES SHOWN SHALL BE RECESSED IN MILLWORK KNEEWALL. PROVIDE MINIMUM 3/4" CONDUITS FOR POWER, MINIMUM 1" CONDUITS FOR LOW VOLTAGE. CONDUITS SHALL BE ROUTED INSIDE UTILITY CHASE. REFER TO ARCHITECTURAL SHEETS FOR ADDITIONAL INFORMATION. COORDINATE INSTALLATION WITH MILLWORK CONTRACTOR AND FIELD VERIFY FINAL DEVICE LOCATION PRIOR TO ROUGH-IN.
- PROVIDE 1 20VAC. CONNECTION AND JUNCTION BOXES FOR DOOR ACTUATOR, PUSH PADS AND ASSOCIATED WIRING PER MANUFACTURER'S INSTRUCTIONS FOR A COMPLETE AND OPERABLE SYSTEM. FIELD VERIFY FINAL LOCATION PRIOR TO ROUGH-IN.
- DISCONNECT SWITCH FURNISHED WITH EQUIPMENT, WIRED BY ELECTRICAL CONTRACTOR.
- EXISTING MECHANICAL EQUIPMENT TO REMAIN. PROTECT EXISTING ELECTRICAL FEED TO MAINTAIN PROPER OPERATION OF EQUIPMENT. AT THE SOURCE OF THE FEEDER, PROVIDE NEW JUNCTION BOX AND SPLICE CONDUCTORS OF MATCHING GAUGE FOR EXTENSION TO NEW PANEL "PP-3". CONDUCTORS SHALL BE MINIMUM SIZE OF #10AWG. INFORM ARCHITECT/ENGINEER IF OTHERWISE. TERMINATE BRANCH CIRCUITS TO NEW CIRCUIT BREAKERS OF SAME SIZE AS PREVIOUSLY INSTALLED. FIELD VERIFY EXACT REQUIREMENTS. PROVIDE SINGLE GANG BACKBOX WITH (1) 3/4" EMPTY CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE FOR FUTURE ROOM SCHEDULER DEVICE. FIELD VERIFY EXACT HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- PROVIDE WITH PROTECTIVE CLEAR PLASTIC ENCLOSURE, HINGED AT THE TOP TO PERMIT LIFTING FOR ACCESS TO INITIATE ALARM. LIFTING THE COVER ACTUATES AN INTEGRAL BATTERY POWERED AUDIBLE HORN INTENDED TO DISCOURAGE FALSE-ALARM OPERATION. SAFETY TECHNOLOGY INTERNATIONAL, INC. #STI-1100 OR EQUAL.
- PROVIDE 1 20VAC CONNECTION TO LOW VOLTAGE TRANSFORMER FOR ELECTRIC STRIKE TO NEAREST RECEPTACLE BRANCH CIRCUIT. INSTALL AND WIRE PER DOOR MANUFACTURER'S INSTRUCTIONS FOR A COMPLETE AND OPERABLE SYSTEM.
- PROVIDE 1 20VAC, 20AMP, TOGGLE DISCONNECT SWITCH LOCATED IN THE ACCESSIBLE CEILING SPACE, WITHIN SIGHT OF THE HAND DRYER PER NEC ARTICLE 422.31(C).
- WIRE NEW DOMESTIC WATER CIRCULATION PUMP TO EXISTING RECEPTACLE BRANCH CIRCUIT CURRENTLY SERVING THIS AREA. FIELD VERIFY EXACT REQUIREMENTS.
- OUTDOOR WIRELESS ACCESS POINT. PROVIDE SURFACE MOUNTED BACKBOX AND 1" CONDUIT WITH INSULATED BUSHING STUBBED TO AN ACCESSIBLE CEILING LOCATION. ALL CONDUIT PENETRATIONS SHALL BE SEALED WATER-TIGHT PER ARCHITECT'S REQUIREMENTS. COORDINATE EXACT LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- DUCT SMOKE DETECTOR. PROVIDE ALL CABLING, RELAYS, AND PROGRAMMING TO INTEGRATE DETECTOR AND PROGRAM UNIT SHUTDOWN UPON FIRE ALARM/DETECTOR ACTIVATION. INCLUDE ADDITIONAL RELAYS WHERE (1) DUCT DETECTOR SERVES A COMMON RETURN FOR MULTIPLE AIR HANDLING UNITS. PROVIDE MULTIPLE RELAYS WHERE MECHANICAL EQUIPMENT HAS MULTIPLE CONNECTIONS FOR SHUT DOWN UPON DETECTOR/FIRE ALARM SIGNAL. VERIFY QUANTITY OF RELAYS REQUIRED WITH MECHANICAL EQUIPMENT MANUFACTURER.
- KEYED DUCT SMOKE TEST SWITCH MOUNTED 96" A.F.F. OR ON ACOUSTICAL CEILING. PROVIDE BACKBOXES, CONDUITS AND CABLING TO DUCT SMOKE DETECTOR. COORDINATE WITH ARCHITECT FOR EXACT LOCATION. PROVIDE MACHINE MADE LABELS (P-TOUCH TYPE) ADHERED TO COVER PLATE TO INDICATE EQUIPMENT SERVED.



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

GENERAL FLOOR BOX NOTE:
 CONTRACTOR SHALL CONFIRM EXACT FLOOR BOX LOCATION WITH THE ARCHITECT AND LOCATE/MARK ANY EXISTING UTILITIES IN AREA BY EMPLOYING SERVICE TO SCAN THE FLOOR SLAB. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGES TO EXISTING UTILITIES DUE TO SAWCUTTING.

GENERAL NOTE:
 UNLESS INDICATED OTHERWISE, CONTRACTOR SHALL CHANNEL EXISTING DRYWALL AS REQUIRED TO CONCEAL CONDUITS AND RECESS MOUNTED JUNCTION BOXES FOR ELECTRICAL DEVICES. COORDINATE WALL PATCHING REQUIREMENTS WITH GENERAL TRADES CONTRACTOR. WHERE RECESS MOUNTING IS NOT FEASIBLE, INFORM ARCHITECT AND/OR GENERAL CONTRACTOR PRIOR TO INSTALLATION.

THERMOSTAT NOTE:
 REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF THERMOSTAT/CARBON DIOXIDE DETECTORS. PROVIDE SINGLE GANG BACKBOX AND EMPTY 3/4" CONDUIT WITH PULL STRING STUBBED INTO AN ACCESSIBLE CEILING SPACE FOR INSTALLATION OF THERMOSTAT/CARBON DIOXIDE DETECTORS.

KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION:	DATE:
2	Addendum #3	10/6/23
3	Addendum #4	10/12/23

SHEET TITLE:
ELECTRICAL PLAN

SHEET NUMBER:
E1.10



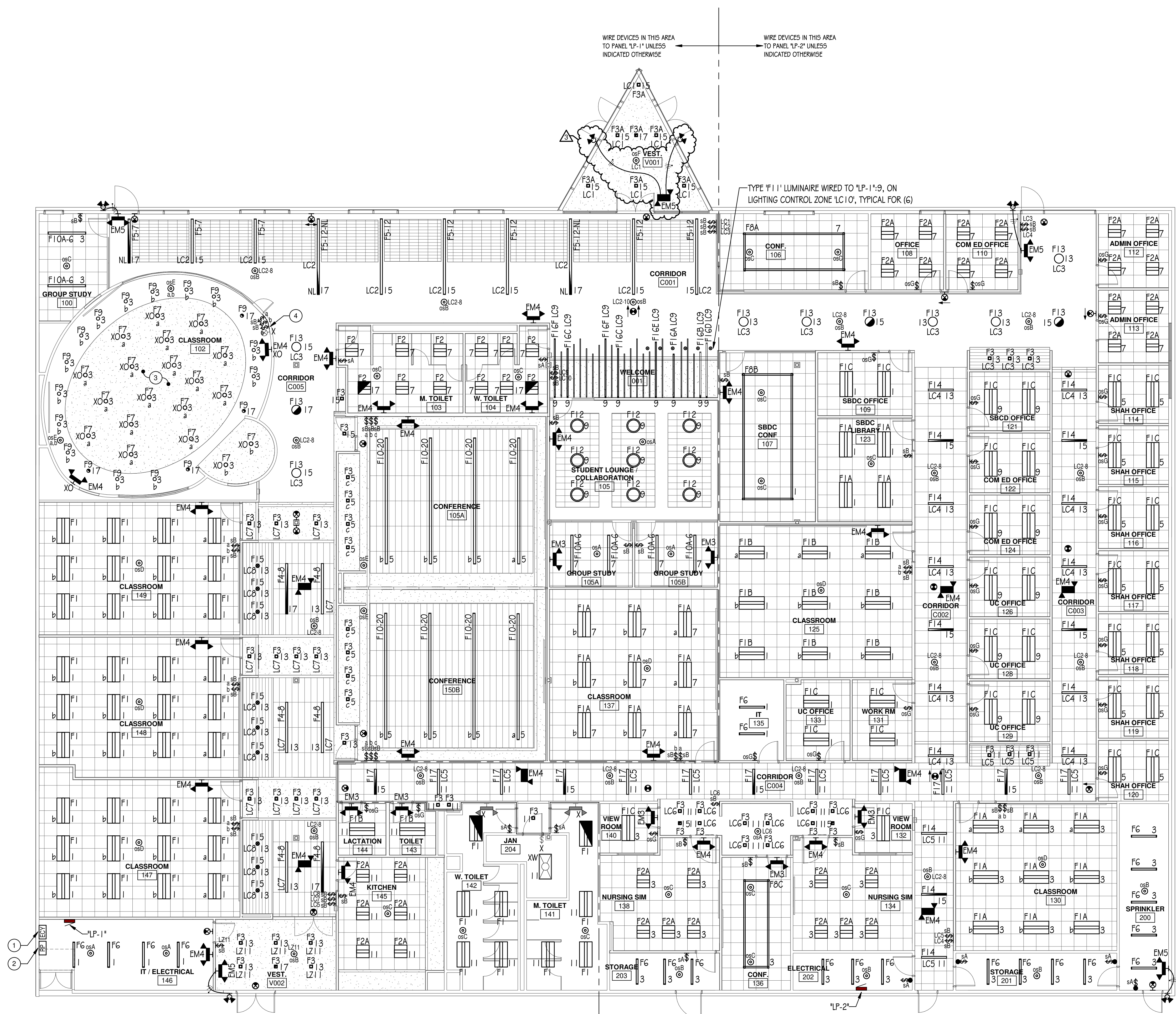
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DRAWING NOTES

1. PROVIDE NETWORK INTERFACE MODULE TO COMMUNICATE WITH NETWORKED LIGHTING ZONES. INCLUDE ALL NETWORK REQUIREMENTS FOR A COMPLETE AND OPERABLE SYSTEM.
2. PROVIDE RELAY PANEL WITH (8) RELAYS TO CONTROL EXISTING EXTERIOR LIGHTING CIRCUITS. RELAY PANEL SHALL BE ACUITY NIGHT #ARP-INTENC16-NLT-8PCR-MVOLT-HLK-SM-DTC OR APPROVED EQUAL WITH #RPA-APS-OL PHOTOSENSOR. LOCATE PHOTOSENSOR ON ROOF FACING NORTH. COORDINATE FINAL PHOTOSENSOR LOCATION WITH ARCHITECT.
3. EXISTING FIBER-OPTIC LIGHTING AND ASSOCIATED POWER SUPPLY IN CEILING SPACE SHALL REMAIN AND PROTECTED DURING CONSTRUCTION.
4. PROVIDE ON/OFF TOGGLE SWITCH TO CONTROL EXISTING FIBER-OPTIC CABLE TO REMAIN. FIELD VERIFY EXACT REQUIREMENTS.



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

LIGHTING CONTROL NOTE:
 NEW LUMINAIRES DESIGNATED WITH LIGHTING ZONES 'LCX' SHALL BE CONNECTED TO A FULLY NETWORKED LIGHTING CONTROL SYSTEM. NOT ALL NETWORKED CONTROL DEVICES (BRIDGES, GATEWAYS, POWER SUPPLIES, ETC.) ARE SHOWN ON DRAWINGS. CONTRACTOR TO PROVIDE ALL DEVICES REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
SEQUENCE OF OPERATION
 • NORMAL LUMINAIRES:
 0% WHEN OCCUPANCY SENSOR DETECTS NO MOTION;
 100% WHEN OCCUPANCY SENSOR DETECTS MOTION.
 • NIGHT LIGHT LUMINAIRES:
 50% WHEN OCCUPANCY SENSOR DETECTS NO MOTION;
 100% WHEN OCCUPANCY SENSOR DETECTS MOTION.

**MCHENRY COUNTY COLLEGE
 UNIVERSITY CENTER AT MCC**
 222 E CHURCH ST
 WOODSTOCK, ILLINOIS 60098
 DKA PROJECT NO: 22-050

KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION:	DATE:
2	Addendum #3	10/6/23
3	Addendum #4	10/12/23

SHEET TITLE:
LIGHTING PLAN

SHEET NUMBER:
E2.10



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KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION:	DATE:
3	Addendum #4	10/12/23

SHEET TITLE:
ELECTRICAL SYMBOL LIST AND ABBREVIATIONS

SHEET NUMBER:
E5.00

DEMOLITION SYMBOLS	
SYMBOL	DESCRIPTION
X	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO REMAIN.
R	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED.
XRR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED, RELOCATED AND JUNCTION BOX REMOVED OR CAPPED AS REQUIRED. STORE AND PROTECT EXISTING DEVICE FOR RE-USE AND RE-INSTALLATION.
XR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET RELOCATED (NEW LOCATION). EXTEND EXISTING FEED AS REQUIRED TO MAINTAIN DEVICE/EQUIPMENT OPERATION. PROVIDE NEW FEED OF MATCHING SPECIFICATIONS IN SITUATIONS WHERE THEY CANNOT BE SPLICED OR ARE NOT OF SUFFICIENT LENGTH TO REACH NEW LOCATION.
XC	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED AND JUNCTION BOX CAPPED OR REUSED AS REQUIRED.
XO	NEW ELECTRICAL EQUIPMENT INSTALLED OVER EXISTING OUTLET.
XA	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE ABANDONED.
XM	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE MODIFIED.
XW	EXISTING ELECTRICAL EQUIPMENT TO BE REWIRED.
XRT	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE TEMPORARILY REMOVED AND REINSTALLED IN SAME LOCATION.

NOTE: NOT ALL SYMBOLS ARE USED ON THIS PROJECT.

GENERAL NOTE:
 CONTRACTOR SHALL MAINTAIN FIRE RATING OF ALL PARTITIONS FOR NEW PENETRATIONS. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALL. CABLING SHALL NOT PENETRATE WALLS UNLESS Routed THROUGH RACEWAY SYSTEM OR Routed ABOVE ACCESSIBLE CEILING. THROUGH METALLIC CONDUIT SLEEVES, EXTENDING A MINIMUM OF 6" EACH SIDE OF THE WALL WITH PROTECTIVE END BUSHINGS TO PREVENT DAMAGE TO CABLES. VOIDS AROUND SLEEVES SHALL BE SEALED WITH APPROPRIATE MATERIALS AS TO MAINTAIN THE ACOUSTIC OR FIRE RATING OF WALLS ABOVE AND BELOW CEILINGS. CABLES RUN THROUGH VOIDS WITHOUT SLEEVES OR RACEWAYS WILL NOT BE ACCEPTABLE. CONTRACTOR SHALL VERIFY EXISTING FIRE PARTITIONS IN THE FIELD.

GENERAL NOTE:
 INCIDENTAL WORK MAY ALSO BE NECESSARY DUE TO CHANGES AFFECTING, FIRE ALARM, ELECTRICAL, OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO PART OF THIS CONTRACT. INSPECT THOSE AREAS, ASCERTAIN WORK NEEDED, AND DO THAT WORK IN ACCORD WITH THE CONTRACT REQUIREMENTS, AT NO ADDITIONAL COST. THE REMOVAL & REINSTALLATION OF EXISTING WORK TO ACCOMMODATE CHANGES TO EXISTING, OR INSTALLATION OF, ELECTRICAL, OTHER SYSTEMS IS ALSO PART OF THIS CONTRACT.

GENERAL NOTE:
 REFER TO ARCHITECTURAL FLOOR PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND LOCATIONS OF ELECTRICAL DEVICES BEFORE ROUGH-IN.
 WHERE CONFLICTS BETWEEN ELECTRICAL & ARCHITECTURAL ELEVATIONS ARISE, CONTRACTOR TO VERIFY WITH ARCHITECT/ENGINEER TEAM PRIOR TO ROUGH-IN.

GENERAL NOTE:
 EXISTING CONDITIONS WERE OBTAINED FROM EXISTING AS-BUILT DRAWINGS AND CURSORY FIELD OBSERVATION. THIS CONTRACTOR SHALL IDENTIFY ANY DISCREPANCIES IN THE FIELD AND REPORT THEM TO THE ENGINEER.

ELECTRICAL SYMBOL LIST (NOTE: NOT ALL SYMBOLS ARE USED IN THE PROJECT.)

- 2' X 4' LUMINAIRE, RECESSED OR SURFACE MOUNTED PER LUMINAIRE SCHEDULE.
- 1' X 4' LUMINAIRE, RECESSED OR SURFACE MOUNTED PER LUMINAIRE SCHEDULE.
- 2' X 2' LUMINAIRE, RECESSED OR SURFACE MOUNTED PER LUMINAIRE SCHEDULE.
- HALF SHADING DENOTES FIXTURE UNSWITCHED 'NIGHTLIGHT'.
- STRIP LUMINAIRE PER LUMINAIRE SCHEDULE.
- WALL MOUNTED LUMINAIRE PER LUMINAIRE SCHEDULE.
- RECESSED OR SURFACE CEILING MOUNTED LUMINAIRE PER LUMINAIRE SCHEDULE.
- ILLUMINATED EXIT OR STAIR SIGN, SURFACE CEILING MOUNTED, SINGLE OR DOUBLE FACE, WITH OR WITHOUT DIRECTIONAL ARROWS PER SCHEDULE.
- "WG" DENOTES WIRE GUARD.
- ILLUMINATED EXIT OR STAIR SIGN, SURFACE WALL MOUNTED, SINGLE OR DOUBLE FACE, WITH OR WITHOUT DIRECTIONAL ARROWS SCHEDULE.
- "WG" DENOTES WIRE GUARD.
- SELF-CONTAINED EMERGENCY LUMINAIRE, WITH BATTERY BACK-UP AND SOLID STATE CHARGER PER SCHEDULE.
- "WG" DENOTES WIRE GUARD.
- SELF-CONTAINED EMERGENCY LUMINAIRE WITH DUAL WEATHERPROOF REMOTE HEADS, BATTERY BACK-UP AND SOLID STATE CHARGER PER SCHEDULE.
- "WG" DENOTES WIRE GUARD.
- SINGLE POLE 20 AMP 120-277 VOLT TOGGLE SWITCH INSTALLED 48" A.F.F.
- "K" DENOTES KEYED SWITCH.
- THREE-WAY 20 AMP 120-277 VOLT TOGGLE SWITCH INSTALLED 48" A.F.F.
- "K" DENOTES KEYED SWITCH.
- MOMENTARY CONTACT SWITCH (LOW VOLTAGE) INSTALLED 48" A.F.F.
- SLIDE DIMMER CONTROL. DECORA STYLE COMPATIBLE WITH LUMINAIRE AND DIMMING BALLAST/DRIVER TYPES INSTALLED 48" A.F.F.
- SINGLE POLE 20 AMP 120/277 VOLT TOGGLE SWITCH WITH PILOT LIGHT INSTALLED 48" A.F.F.
- WALL MOUNT COMBINATION OCCUPANCY SENSOR AND SWITCH AS SCHEDULED.
- OCCUPANCY SENSOR, LETTER INDICATES MODEL AND TYPE PER SCHEDULE.
- ELECTRICAL DEVICE MOUNTED ON SURFACE RACEWAY, WIREMOLD V700 U.N.O.
- SURFACE MOUNTED (EXPOSED) CONDUIT, BACKBOX FOR DEVICE AS SHOWN.
- (GF/USB/WP) 20A, 2P, 3 WIRE, GROUNDING TYPE, 125V, SPECIFICATION-GRADE, TAMPER-RESISTANT TYPE DUPLEX RECEPTACLE NEMA 5-20R INSTALLED +16" A.F.F. UNLESS NOTED OTHERWISE.
- "GF" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- "USB" DENOTES RECEPTACLE EQUIPPED WITH (2) USB PORTS.
- "WP" DENOTES WEATHER-RESISTANT RECEPTACLE WITH LOW-PROFILE WHILE-IN-USE WEATHERPROOF COVER.
- (GF/USB) 20A, 2P, 3 WIRE, GROUNDING TYPE, 125V, SPECIFICATION-GRADE, TAMPER-RESISTANT TYPE DUPLEX RECEPTACLE NEMA 5-20R INSTALLED 6" ABOVE COUNTER TOP OR +42" A.F.F. UNLESS NOTED OTHERWISE.
- "GF" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- "USB" DENOTES RECEPTACLE EQUIPPED WITH (2) USB PORTS.
- (GF/USB) TWO 20A, 2P, 3 WIRE, GROUNDING TYPE, SPECIFICATION-GRADE, TAMPER-RESISTANT TYPE DUPLEX RECEPTACLES NEMA 5-20R INSTALLED +16" A.F.F. UNLESS NOTED OTHERWISE.
- "GF" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- "USB" DENOTES RECEPTACLE EQUIPPED WITH (2) USB PORTS.
- SIMPLEX RECEPTACLE.
- SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED IN THE PLAN.
- POWER OUTLET, CEILING MOUNTED.
- COMBINATION POWER/INFORMATION OUTLET, CEILING MOUNTED.
- HIGH CAPACITY MULTISERVICE (WITH DIVIDER/PARTITIONS) FLUSH FLOOR BOX. REFER TO PLANS AND DETAILS FOR QUANTITIES AND CONFIGURATIONS.
- METER.
- CIRCUIT BREAKER PANELBOARD.
- DRY TYPE TRANSFORMER WITH 4" CONCRETE HOUSEKEEPING PAD.
- DISTRIBUTION PANEL.
- NON-FUSED SAFETY DISCONNECT SWITCH, AMPERE RATING AND NUMBER OF POLES AS NOTED.
- FUSED DISCONNECT SWITCH, AMPERE RATING, NUMBER OF POLES AND FUSE SIZE AS NOTED.
- COMBINATION MOTOR STARTER WITH FUSED DISCONNECT, AMPERE RATING, NUMBER OF POLES, FUSE SIZE AND NEMA STARTER SIZE AS INDICATED.
- SWITCH FRAME SIZE.
- NUMBER OF FUSIBLE POLES.
- FUSE SIZE.
- NEMA ENCLOSURE RATING. (NEMA 1 STANDARD, 3R OUTDOORS AND WET LOCATIONS U.N.O.)
- FUSIBLE SWITCH RATING TAG.
- NEMA STARTER SIZE.
- ENCLOSED CIRCUIT BREAKER.
- MOTOR.
- MANUAL MOTOR STARTER, THERMAL OVERLOAD TOGGLE SWITCH.
- CEILING JUNCTION BOX.
- WALL MOUNTED JUNCTION BOX.
- JUNCTION BOX WITH FLEXIBLE CONDUIT FOR FINAL CONNECTION TO EQUIPMENT.
- THERMOSTAT, PROVIDE RECESSED JUNCTION BOX AND CONDUIT STUB-UP, REFER TO MECHANICAL FOR EXACT QUANTITY AND LOCATION.
- CO2 SENSOR, PROVIDE RECESSED JUNCTION BOX AND CONDUIT STUB-UP, REFER TO MECHANICAL FOR EXACT QUANTITY AND LOCATION.
- (DAS/BDA) RADIO ANTENNA.
- "DAS" DENOTES DISTRIBUTED ANTENNA SYSTEM FOR CELLULAR NETWORK.
- "BDA" DENOTES BI-DIRECTIONAL ANTENNA FOR PUBLIC SAFETY RADIO.
- CONDUIT ROUTED CONCEALED IN WALLS AND CEILING. HASH MARKS DENOTE QUANTITY OF #12 MINIMUM AWG CONDUCTORS OR AS NOTED.
- CONDUIT ROUTED EXPOSED. INSTALL PARALLEL TO WALLS AND CEILINGS. HASH MARKS DENOTE QUANTITY OF #12 MINIMUM AWG CONDUCTORS OR AS NOTED.
- CONDUIT ROUTED BELOW GRADE. HASH MARK DENOTES QUANTITY OF #12 MINIMUM AWG CONDUCTORS OR AS NOTED.
- DENOTES CONDUIT HOMERUN, 3/4" MINIMUM, PANEL DESTINATION AND CIRCUIT NUMBER(S) AS INDICATED.
- SHORT TICK MARK DENOTES LINE (HOT) OR SWITCH LEG CONDUCTOR, #12 MINIMUM AWG.
- LONG TICK MARK DENOTES NEUTRAL CONDUCTOR, #10 AWG MINIMUM.
- DENOTES INSULATED GROUND WIRE, #12 AWG MINIMUM.
- CONDUIT END CAP.
- CONDUIT WALL SLEEVES FOR ROUTING OF LOW VOLTAGE CABLING. EACH PENETRATION IS TO PROVIDE A MINIMUM OF (1) 1" (1/4" CONDUIT (DATA) & (1) 1" CONDUIT (FIRE ALARM/INTERCOM) U.N.O.
- DATA OUTLET LOCATION INSTALLED 16" A.F.F. U.N.O.
- TELEPHONE OUTLET LOCATION INSTALLED 16" A.F.F. U.N.O.
- DATA OUTLET LOCATION INSTALLED 42" A.F.F. U.N.O.
- TELEPHONE OUTLET LOCATION INSTALLED 42" A.F.F. U.N.O.
- DATA OUTLET LOCATION, CEILING MOUNTED.
- FLUSH CEILING SPEAKER, ROUND OR SQUARE.
- WEATHERPROOF PROJECTION TYPE WALL MOUNTED SPEAKER.
- "AV" DENOTES PART OF AUDIO-VIDEO SYSTEM.
- WALL MOUNTED SPEAKER.
- "AV" DENOTES PART OF AUDIO-VIDEO SYSTEM.
- BATTERY OPERATED CLOCK, CONNECTED WIRELESSLY TO A MASTER CLOCK SYSTEM.
- COMBINATION CLOCK/SPEAKER, COMPATIBLE WITH EXISTING INTERCOM SYSTEM, IN COMMON ENCLOSURE.
- VOLUME CONTROL SWITCH INSTALLED 48" A.F.F. TO TOP OF DEVICE.
- CALL SWITCH, COMPATIBLE WITH EXISTING INTERCOM SYSTEM, INSTALLED 48" A.F.F. TO TOP OF DEVICE.
- CEILING MOUNTED WIRELESS ACCESS POINT.
- TELEVISION CONNECTION PLATE INSTALLED 96" A.F.F. U.N.O.
- AUDIO/VIDEO CONNECTION PLATE INSTALLED 16" A.F.F. U.N.O.
- FIRE ALARM SYSTEM PULL STATION INSTALLED 48" A.F.F.
- (WG) FIRE ALARM SYSTEM STROBE NOTIFICATION DEVICE INSTALLED 80" A.F.F.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM HORN/STROBE NOTIFICATION DEVICE INSTALLED 80" A.F.F.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM SPEAKER/STROBE NOTIFICATION DEVICE INSTALLED 80" A.F.F.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM SPEAKER NOTIFICATION DEVICE INSTALLED 80" A.F.F.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM SPEAKER/STROBE NOTIFICATION DEVICE, CEILING MOUNTED.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM SPEAKER NOTIFICATION DEVICE, CEILING MOUNTED.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM STROBE NOTIFICATION DEVICE, CEILING MOUNTED.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM HORN NOTIFICATION DEVICE, CEILING MOUNTED.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM HORN/STROBE NOTIFICATION DEVICE, CEILING MOUNTED.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM CEILING SMOKE DETECTOR.
- "WG" DENOTES WIRE GUARD.
- (FT,WG) FIRE ALARM SYSTEM CEILING HEAT DETECTOR.
- "FT" DENOTES FIXED TEMPERATURE.
- "WG" DENOTES WIRE GUARD.
- (FACP) FIRE ALARM CONTROL PANEL.
- (FACP) FIRE ALARM ANNUNCIATOR PANEL.
- (NAC) FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT PANEL.
- (SDS) FIRE ALARM SYSTEM DUCT SMOKE DETECTOR.
- (CDS) FIRE ALARM SYSTEM DUCT CARBON MONOXIDE DETECTOR.
- (VSS) FIRE ALARM VALVE SUPERVISORY SWITCH.
- (FS) WATER FLOW SWITCH.
- (TS) TAMPER SWITCH.
- (MDH) MAGNETIC DOOR HOLDER.
- (TA,FA) ALARM BELL.
- "TA" DENOTES TORNADO ALARM.
- "FA" DENOTES FIRE ALARM.
- (K) FIRE ALARM SYSTEM DUCT SMOKE DETECTOR KEY OPERATED TEST SWITCH WITH INDICATING LIGHT, WALL OR CEILING MOUNTED.
- (W) SECURITY CAMERA. (WALL MOUNT)
- (C) SECURITY CAMERA. (MOUNTED IN THE ACOUSTIC CEILING TILE)
- (S) SECURITY SENSOR/INITIATOR.
- (MPS) MAGNETIC POSITION SWITCH, DOOR OR WINDOW.
- (EDLS) ELECTRONIC DOOR (LOCK) STRIKE.
- (PAD) POWER ASSISTED DOOR ACTUATOR.
- (SSA) DOOR SECURITY ANNUNCIATOR PANEL.
- (SSCP) SECURITY SYSTEM CONTROL PANEL.
- (SKP) SECURITY SYSTEM KEY PAD.
- (ACR) ACCESS CONTROL CREDENTIAL READER.

- CONDUIT ROUTED CONCEALED IN WALLS AND CEILING. HASH MARKS DENOTE QUANTITY OF #12 MINIMUM AWG CONDUCTORS OR AS NOTED.
- CONDUIT ROUTED EXPOSED. INSTALL PARALLEL TO WALLS AND CEILINGS. HASH MARKS DENOTE QUANTITY OF #12 MINIMUM AWG CONDUCTORS OR AS NOTED.
- CONDUIT ROUTED BELOW GRADE. HASH MARK DENOTES QUANTITY OF #12 MINIMUM AWG CONDUCTORS OR AS NOTED.
- DENOTES CONDUIT HOMERUN, 3/4" MINIMUM, PANEL DESTINATION AND CIRCUIT NUMBER(S) AS INDICATED.
- SHORT TICK MARK DENOTES LINE (HOT) OR SWITCH LEG CONDUCTOR, #12 MINIMUM AWG.
- LONG TICK MARK DENOTES NEUTRAL CONDUCTOR, #10 AWG MINIMUM.
- DENOTES INSULATED GROUND WIRE, #12 AWG MINIMUM.
- CONDUIT END CAP.
- CONDUIT WALL SLEEVES FOR ROUTING OF LOW VOLTAGE CABLING. EACH PENETRATION IS TO PROVIDE A MINIMUM OF (1) 1" (1/4" CONDUIT (DATA) & (1) 1" CONDUIT (FIRE ALARM/INTERCOM) U.N.O.
- DATA OUTLET LOCATION INSTALLED 16" A.F.F. U.N.O.
- TELEPHONE OUTLET LOCATION INSTALLED 16" A.F.F. U.N.O.
- DATA OUTLET LOCATION INSTALLED 42" A.F.F. U.N.O.
- TELEPHONE OUTLET LOCATION INSTALLED 42" A.F.F. U.N.O.
- DATA OUTLET LOCATION, CEILING MOUNTED.
- FLUSH CEILING SPEAKER, ROUND OR SQUARE.
- WEATHERPROOF PROJECTION TYPE WALL MOUNTED SPEAKER.
- "AV" DENOTES PART OF AUDIO-VIDEO SYSTEM.
- WALL MOUNTED SPEAKER.
- "AV" DENOTES PART OF AUDIO-VIDEO SYSTEM.
- BATTERY OPERATED CLOCK, CONNECTED WIRELESSLY TO A MASTER CLOCK SYSTEM.
- COMBINATION CLOCK/SPEAKER, COMPATIBLE WITH EXISTING INTERCOM SYSTEM, IN COMMON ENCLOSURE.
- VOLUME CONTROL SWITCH INSTALLED 48" A.F.F. TO TOP OF DEVICE.
- CALL SWITCH, COMPATIBLE WITH EXISTING INTERCOM SYSTEM, INSTALLED 48" A.F.F. TO TOP OF DEVICE.
- CEILING MOUNTED WIRELESS ACCESS POINT.
- TELEVISION CONNECTION PLATE INSTALLED 96" A.F.F. U.N.O.
- AUDIO/VIDEO CONNECTION PLATE, CEILING MOUNTED.
- FIRE ALARM SYSTEM PULL STATION INSTALLED 48" A.F.F.
- (WG) FIRE ALARM SYSTEM STROBE NOTIFICATION DEVICE INSTALLED 80" A.F.F.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM HORN/STROBE NOTIFICATION DEVICE INSTALLED 80" A.F.F.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM SPEAKER/STROBE NOTIFICATION DEVICE INSTALLED 80" A.F.F.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM SPEAKER NOTIFICATION DEVICE INSTALLED 80" A.F.F.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM SPEAKER/STROBE NOTIFICATION DEVICE, CEILING MOUNTED.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM SPEAKER NOTIFICATION DEVICE, CEILING MOUNTED.
- "WG" DENOTES WIRE GUARD.
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- "WG" DENOTES WIRE GUARD.
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- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM HORN/STROBE NOTIFICATION DEVICE, CEILING MOUNTED.
- "WG" DENOTES WIRE GUARD.
- (WG) FIRE ALARM SYSTEM CEILING SMOKE DETECTOR.
- "WG" DENOTES WIRE GUARD.
- (FT,WG) FIRE ALARM SYSTEM CEILING HEAT DETECTOR.
- "FT" DENOTES FIXED TEMPERATURE.
- "WG" DENOTES WIRE GUARD.
- (FACP) FIRE ALARM CONTROL PANEL.
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- (VSS) FIRE ALARM VALVE SUPERVISORY SWITCH.
- (FS) WATER FLOW SWITCH.
- (TS) TAMPER SWITCH.
- (MDH) MAGNETIC DOOR HOLDER.
- (TA,FA) ALARM BELL.
- "TA" DENOTES TORNADO ALARM.
- "FA" DENOTES FIRE ALARM.
- (K) FIRE ALARM SYSTEM DUCT SMOKE DETECTOR KEY OPERATED TEST SWITCH WITH INDICATING LIGHT, WALL OR CEILING MOUNTED.
- (W) SECURITY CAMERA. (WALL MOUNT)
- (C) SECURITY CAMERA. (MOUNTED IN THE ACOUSTIC CEILING TILE)
- (S) SECURITY SENSOR/INITIATOR.
- (MPS) MAGNETIC POSITION SWITCH, DOOR OR WINDOW.
- (EDLS) ELECTRONIC DOOR (LOCK) STRIKE.
- (PAD) POWER ASSISTED DOOR ACTUATOR.
- (SSA) DOOR SECURITY ANNUNCIATOR PANEL.
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- (ACR) ACCESS CONTROL CREDENTIAL READER.

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MCHENRY COUNTY COLLEGE
UNIVERSITY CENTER AT MCC
 222 E CHURCH ST
 WOODSTOCK, ILLINOIS 60098
 DKA PROJECT NO: 22-050

EXIT SIGN & EMERGENCY LIGHTING SCHEDULE								
SYMBOL	TAG	DESCRIPTION	MOUNTING	LAMPS	VOLTAGE	MANUFACTURER & CATALOG NUMBER	ALTERNATIVE MANUFACTURER	NOTES
	EM1	SELF POWERED EMERGENCY EXIT SIGN, SINGLE FACE, DIE CAST ALUMINUM HOUSING WITH WHITE FINISH AND RED LETTERS, FIELD KNOCKOUT ARROWS AS REQUIRED	TOP OR END MOUNT	LED	UNV	LITHONIA LIGHTING #LQC-W-1-R-ELN	HU DUAL-LITE, SIGNIFY CHLORIDE	1
	EM2	SELF POWERED EMERGENCY EXIT SIGN, SINGLE FACE, DIE CAST ALUMINUM HOUSING WITH WHITE FINISH AND RED LETTERS, FIELD KNOCKOUT ARROWS AS REQUIRED	WALL	LED	UNV	LITHONIA LIGHTING #LQC-W-1-R-ELN	HU DUAL-LITE, SIGNIFY CHLORIDE	1
	EM3	DUAL HEAD EMERGENCY LIGHTING UNIT WITH WHITE CONTEMPORARY THERMOPLASTIC ENCLOSURE	SURFACE/WALL	LED	UNV	LITHONIA LIGHTING #ELMGL-UVOLT-LTP-SDRT	HU DUAL-LITE, SIGNIFY CHLORIDE	1
	EM4	DUAL HEAD EMERGENCY LIGHTING UNIT WITH WHITE CONTEMPORARY THERMOPLASTIC ENCLOSURE	SURFACE/WALL	LED	UNV	LITHONIA LIGHTING #ELMGL-UVOLT-LTP-SDRT	HU DUAL-LITE, SIGNIFY CHLORIDE	1
	EM5	DUAL HEAD EMERGENCY LIGHTING UNIT WITH WHITE CONTEMPORARY THERMOPLASTIC ENCLOSURE AND WEATHER-PROOF REMOTE HEADS	SURFACE/WALL	LED	UNV	LITHONIA LIGHTING #ELMRW-LP220L-DOBTD-X	HU DUAL-LITE, SIGNIFY CHLORIDE	1

NOTES:
 1. CONNECT ALL DEVICES TO LOCAL UNSWITCHED NORMAL LIGHTING CIRCUIT.

GENERAL NOTES:
 a. CONTRACTOR TO PROVIDE ALL NECESSARY MOUNTING HARDWARE AND LABOR FOR ALL DEVICES.
 b. BATTERIES SHALL BE CAPABLE OF PROVIDING ILLUMINATION FOR A MINIMUM OF 90 MINUTES.
 c. NOT ALL SYMBOLS WILL BE ACCOMPANIED BY TAGS ON THE FLOOR PLANS FOR CLARITY PURPOSES.

GENERAL NOTES:
 a. ALL SENSOR LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
 b. ULTRASONIC CEILING MOUNT SENSORS SHOULD BE LOCATED A MINIMUM OF SIX FEET FROM HVAC SUPPLY/RETURN VENTS.
 c. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY & TIME DELAY SETTINGS (FOR NON-ADAPTIVE PRODUCTS) RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH IN RESPECT TO POWER PLACEMENT.
 d. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS:
 • ONE POWER PACK IS REQUIRED FOR EACH CIRCUIT TO BE CONTROLLED.
 • ONE POWER PACK IS REQUIRED FOR EACH ZONE.
 • IF MULTIPLE CIRCUITS ARE TO BE CONTROLLED BY A SENSOR, AN AUXILIARY RELAY CAN BE USED IN CONJUNCTION WITH THE POWER PACK.
 • THE MAXIMUM NUMBER OF SENSORS THAT CAN BE PUT ON A POWER PACK IS TO BE REDUCED BY ONE FOR EACH SLAVE PACK USED.
 e. MOUNT CONTROL UNITS WITHIN JUNCTION BOXES INSTALLED PER ALL CODE REQUIREMENTS.
 f. CONTROL WIRING BETWEEN SENSORS AND CONTROLS UNITS SHALL BE CLASS II, 18-24 AWG, STRANDED UL CLASSIFIED. ALL CONTROL CABLING SHALL BE PLENUM-RATED.
 g. SENSORS MOUNTED OVER THE DOOR MUST BE PLACED ONE FOOT INSIDE THE THRESHOLD.
 h. SENSOR PLACEMENT ON PLANS IS APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR ENGAGING A MANUFACTURER TO PRODUCE A MOTION SENSOR LAYOUT THAT IS COMPLIANT WITH THE GOVERNING ENERGY CODE.
 i. CONTRACTOR IS RESPONSIBLE FOR ENSURING MOTION CONTROL OF ALL LOCATIONS SHOWN ON PLAN.
 j. CONTRACTOR IS RESPONSIBLE FOR INSTALLING EQUIPMENT IN COMPLIANCE WITH LOCAL CODE.
 k. PRODUCTS FROM SPECIFIED AND ACCEPTABLE MANUFACTURERS SHALL PROVIDE SAME LEVEL OF CONTROL.

LIGHTING CONTROL DEVICES SCHEDULE					
SYMBOL	TYPE	DESCRIPTION	MOUNTING	MANUFACTURER & CATALOG NUMBER	ACCEPTABLE MANUFACTURERS
		LIGHTING SYSTEM CONTROLLER	WALL	ACUITY nLIGHT #nEVC-MVOLT-ENC	HUBBELL LIGHTING CONTROLS, WATTSTOPPER
	osA	STANDARD RANGE 360°, LOW VOLTAGE, PASSIVE INFRARED	CEILING	ACUITY nLIGHT #nCM-9-RJB	HUBBELL LIGHTING CONTROLS, WATTSTOPPER
	osB	EXTENDED RANGE 360°, LOW VOLTAGE, PASSIVE INFRARED	CEILING	ACUITY nLIGHT #nCM-10-RJB	HUBBELL LIGHTING CONTROLS, WATTSTOPPER
	osC	STANDARD RANGE 360°, LOW VOLTAGE, DUAL TECHNOLOGY	CEILING	ACUITY nLIGHT #nCM-PDT-9-RJB	HUBBELL LIGHTING CONTROLS, WATTSTOPPER
	osD	EXTENDED RANGE 360°, LOW VOLTAGE, DUAL TECHNOLOGY	CEILING	ACUITY nLIGHT #nCM-PDT-10-RJB	HUBBELL LIGHTING CONTROLS, WATTSTOPPER
	osE	WIDE VIEW, CEILING MOUNT, LOW VOLTAGE, DUAL TECHNOLOGY WITH WV BRACKET	CEILING	ACUITY nLIGHT #nWV-PDT-16-KIT	HUBBELL LIGHTING CONTROLS, WATTSTOPPER
	osF	HIGH BAY RANGE 360°, LOW VOLTAGE, PASSIVE INFRARED	CEILING	ACUITY nLIGHT #nCM-6-RJB	HUBBELL LIGHTING CONTROLS, WATTSTOPPER
	osG	ON/OFF/DIM WALL SWITCH SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY	WALL	ACUITY nLIGHT #nWSXA-PDT-LV-DX	HUBBELL LIGHTING CONTROLS, WATTSTOPPER
	sa	ON/OFF PUSHBUTTON CONTROL STATION	WALL	ACUITY nLIGHT #nPODMA	HUBBELL LIGHTING CONTROLS, WATTSTOPPER
	sb	ON/OFF/DIM PUSHBUTTON CONTROL STATION	WALL	ACUITY nLIGHT #nPODMA-DX	HUBBELL LIGHTING CONTROLS, WATTSTOPPER

LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION	MOUNTING	LAMPS	VOLTAGE	INPUT WATTS	MANUFACTURER & CATALOG NUMBER	ALTERNATE MANUFACTURER	NOTES	
F1	2X4' LED TROFFER, 4000 NOMINAL LUMENS	RECESSED	LED	120 V	30.5	LITHONIA LIGHTING #2BLT4-40L-ADP-G210-LP840	HU COLUMBIA LIGHTING, SIGNIFY DAY-BRITE	1	
F1A	2X4' LED TROFFER, 4800 NOMINAL LUMENS	RECESSED	LED	120 V	39.3	LITHONIA LIGHTING #2BLT4-48L-ADP-G210-LP840	HU COLUMBIA LIGHTING, SIGNIFY DAY-BRITE	1	
F1B	2X4' LED TROFFER, 6000 NOMINAL LUMENS	RECESSED	LED	120 V	46.6	LITHONIA LIGHTING #2BLT4-60L-ADP-G210-LP840	HU COLUMBIA LIGHTING, SIGNIFY DAY-BRITE	1	
F1C	2X4' LED TROFFER, 7200 NOMINAL LUMENS	RECESSED	LED	120 V	59.2	LITHONIA LIGHTING #2BLT4-72L-ADP-G210-LP840	HU COLUMBIA LIGHTING, SIGNIFY DAY-BRITE	1	
F2	2X2' LED TROFFER, 3300 NOMINAL LUMENS	RECESSED	LED	120 V	26.5	LITHONIA LIGHTING #2BLT2-33L-ADP-G210-LP840	HU COLUMBIA LIGHTING, SIGNIFY DAY-BRITE	1	
F2A	2X2' LED TROFFER, 4000 NOMINAL LUMENS	RECESSED	LED	120 V	31	LITHONIA LIGHTING #2BLT2-40L-ADP-G210-LP840	HU COLUMBIA LIGHTING, SIGNIFY DAY-BRITE	1	
F3	4' SQUARE LED DOWNLIGHT, 1000 NOMINAL LUMENS	RECESSED	LED	120 V	10.6	LITHONIA LIGHTING #LDN4SQ-40/10-L54-WR-MVOLT-G210	HU PRESCOLITE, SIGNIFY LIGHTQUIER	1	
F3A	4' SQUARE LED DOWNLIGHT, 2500 NOMINAL LUMENS	RECESSED	LED	120 V	26.1	LITHONIA LIGHTING #LDN4SQ-40/25-L54-WR-MVOLT-G210	HU PRESCOLITE, SIGNIFY LIGHTQUIER	1	
F4-8	8'-0" LONG LINEAR LED	RECESSED	LED	120 V	37.4	MARK LIGHTING #SL4L-LOP-8FT-FLP-TG-80CRI-40K-600LMF-120	HU LITECONTROL, SIGNIFY LEDALITE	1	
F5-7	7'-0" LONG LINEAR SUSPENDED LED	SUSPENDED	LED	120 V	32.8	MARK LIGHTING #S4PD-LP-7FT-MSL7-80CRI-40K-600LMF-SCT-MIN I O-FL-MVOLT-WHTT-ZT-F272A-RDCY-BLKCY-BCRD-MCS	HU LITECONTROL, SIGNIFY LEDALITE	1,2	
F5-12	12'-0" LONG LINEAR SUSPENDED LED	SUSPENDED	LED	120 V	56.2	MARK LIGHTING #S4PD-LP-12FT-MSL6-80CRI-40K-600LMF-SCT-MIN I O-FL-MVOLT-WHTT-ZT-F272A-RDCY-BLKCY-BCRD-MCS	HU LITECONTROL, SIGNIFY LEDALITE	1,2	
F5-12-NL	12'-0" LONG LINEAR SUSPENDED LED WITH NIGHT LIGHT SECTION	SUSPENDED	LED	120 V	56.2	MARK LIGHTING #S4PD-LP-12FT-MSL6-80CRI-40K-600LMF-SCT-MIN I O-FL-MVOLT-WHTT-1 EC-ZT-F272A-RDCY-BLKCY-BCRD-MCS	HU LITECONTROL, SIGNIFY LEDALITE	1,2	
F6	4' LED STRIP LIGHT	SURFACE/PENDANT	LED	120 V	31.8	LITHONIA LIGHTING #CLX-L48-5000LM-SEF-RDL-MVOLT-G210-40K-80CRI-WH	HU COLUMBIA LIGHTING, SIGNIFY DAY-BRITE	-	
F7	6" ROUND RETROFIT LED DOWNLIGHT	SURFACE	LED	120 V	19	LITHONIA LIGHTING #LBRG-ALO2-SW11-AR-TREL-155-WD-MVOLT-UGZ	HU COLUMBIA LIGHTING, SIGNIFY DAY-BRITE	1	
F8A	6x20' CUSTOM LINEAR LED	SURFACE	LED	120 V	288.6	AXIS LIGHTING #SCSPAT-R(6x20)-500-80-40-FL-NL-W-UNV-DP-1-5B15	FOCAL POINT, LUMENWERX	1,3	
F8B	8x20' CUSTOM LINEAR LED	SURFACE	LED	120 V	310.8	AXIS LIGHTING #SCSPAT-R(8x20)-500-80-40-FL-NL-W-UNV-DP-1-5B15	FOCAL POINT, LUMENWERX	1,3	
F8C	4x14' CUSTOM LINEAR LED	SURFACE	LED	120 V	199.8	AXIS LIGHTING #SCSPAT-R(4x14)-500-80-40-FL-NL-W-UNV-DP-1-5B15	FOCAL POINT, LUMENWERX	1,3	
F9	6" ROUND PENDANT LED DOWNLIGHT	PENDANT	LED	120 V	14.7	GOYAM LIGHTING #EVOGPC-40/15-WR-MD-MVOLT-G210-JBX-PCAN-512-DBL	HU PRESCOLITE, SIGNIFY LIGHTQUIER	1,2	
F10-20	20'-0" LONG DIRECT/INDIRECT LINEAR LED	SUSPENDED	LED	120 V	113.8	MARK LIGHTING #S4PID-LP-20FT-MSL4-80CRI-40K-400LMF-DBW-180CRI-140K-1800LMF-BW-SCT-MIN I O-FL-DC-MVOLT-WHTT-F1/72A-RDCY-WHTCY-WCRD-MCS	HU LITECONTROL, SIGNIFY LEDALITE	1,2	
F10A-6	6'-0" LONG DIRECT/INDIRECT LINEAR LED	SUSPENDED	LED	120 V	67.1	MARK LIGHTING #S4PID-LP-6FT-MSL6-80CRI-40K-800LMF-DBW-180CRI-140K-1800LMF-BW-SCT-MIN I O-FL-DC-MVOLT-WHTT-F1/72A-RDCY-WHTCY-WCRD-MCS	HU LITECONTROL, SIGNIFY LEDALITE	1,2	
F11	LINEAR DECORATIVE LED PENDANT	PENDANT	LED	120 V	11	OCL #G51-PI-CF-30-CR-(FINISH)-LED1-40K-UNV-144-DM1	LINDSLEY LIGHTING 'SHOOTING STAR'	1,2	
F12	ROUND DECORATIVE LED PENDANT	PENDANT	LED	120 V	43	STRUCTURA #AURA-OVAL-D-3.5-L40-HO-(FINISH)-CEJ-STD	ACCORD LIGHTING 'PENDANT ACCORD CILINDRICO'	1,2	
F13	CIRCULAR LED PENDANT	PENDANT	LED	120 V	65	DELAY LIGHTING #L793-(FINISH)-(FINISH)-W40-M-I-D-CM-I (LENGTH)	SIGNIFY LIGHTQUIER 'HIB, OCL 'NOVA'	1,2	
F14	4'-0" LONG LINEAR LED WITH POP-DOWN LENS	SURFACE	LED	120 V	51	FOCAL POINT #FSM4LS-PD15-1000LF-40K-1-C-UNV-LD1-SM-(FINISH)-4'	AXIS LIGHTING, LUMENWERX	-	
F15	DECORATIVE LED PENDANT	PENDANT	LED	120 V	75	CERCHIO LIGHTING #10148.E12.(FINISH)	CDS LIGHTING 'CALLAHAN'	1,2	
F16A	6'-10" LONG DIRECT LINEAR LED WITH ACOUSTIC PANEL	SUSPENDED	LED	120 V	30.7	FOCAL POINT #ASM2S-RL-12-500LF-40K-1-C-UNV-LD1-J96BK-DTS-6FT10IN	-	1,2,4,5	
F16B	7'-2" LONG DIRECT LINEAR LED WITH ACOUSTIC PANEL	SUSPENDED	LED	120 V	32.3	FOCAL POINT #ASM2S-RL-12-500LF-40K-1-C-UNV-LD1-J96BK-DTS-7FT2IN	-	1,2,4,5	
F16C	7'-9" LONG DIRECT LINEAR LED WITH ACOUSTIC PANEL	SUSPENDED	LED	120 V	34.9	FOCAL POINT #ASM2S-RL-12-500LF-40K-1-C-UNV-LD1-J96BK-DTS-7FT9IN	-	1,2,4,5	
F16D	8'-7" LONG DIRECT LINEAR LED WITH ACOUSTIC PANEL	SUSPENDED	LED	120 V	38.6	FOCAL POINT #ASM2S-RL-12-500LF-40K-1-C-UNV-LD1-J96BK-DTS-8FT7IN	-	1,2,4,5	
F16E	8'-9" LONG DIRECT LINEAR LED WITH ACOUSTIC PANEL	SUSPENDED	LED	120 V	39.4	FOCAL POINT #ASM2S-RL-12-500LF-40K-1-C-UNV-LD1-J96BK-DTS-8FT9IN	-	1,2,4,5	
F16F	9'-3" LONG DIRECT LINEAR LED WITH ACOUSTIC PANEL	SUSPENDED	LED	120 V	41.6	FOCAL POINT #ASM2S-RL-12-500LF-40K-1-C-UNV-LD1-J96BK-DTS-9FT3IN	-	1,2,4,5	
F17	4'-0" LONG LINEAR LED	RECESSED	LED	120 V	37	FOCAL POINT #FSM4L-FL-1000LF-40K-1-C-UNV-LD1-G1-WH-4FT0IN	AXIS LIGHTING, LUMENWERX	-	

NOTES:
 1. CONTRACTOR TO PROVIDE ALL OPTIONS AND ACCESSORIES AS REQUIRED TO INSTALL LUMINAIRE IN VARYING CEILING TYPES AS SHOWN ON THE PLANS.
 2. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT SUSPENSION LENGTHS.
 3. INCLUDE ALL CONNECTORS AND JOINT TO MATCH THE PATTERN/SHAPE SHOWN ON PLANS.
 4. REFER TO ARCHITECTURAL RCP PLANS FOR EXACT LENGTH OF LUMINAIRE REQUIRED.
 5. REFER TO ARCHITECTURAL SPECIFICATIONS AND DRAWINGS FOR LIGHTING COORDINATION IN CUSTOM WOOD-LOOK PET CEILING SYSTEM.

GENERAL NOTES:
 a. CONTRACTOR TO PROVIDE NECESSARY MOUNTING HARDWARE AND LABOR FOR LUMINAIRES.
 b. LAY IN CEILING GRID LUMINAIRES SHALL BE FOR USE WITH STANDARD 15/16" GRID SYSTEM.
 c. CEILING TYPES, FINISHES AND HEIGHTS MAY VARY. SEE ARCHITECTURAL RCP PLANS FOR MORE INFO. CONTRACTOR TO COORDINATE & PROVIDE PROPER MOUNTING HARDWARE, FLANGE, AND ACCESSORIES AS REQUIRED.
 d. ALL FINISH COLORS AND COLOR TEMPERATURES TO BE CONFIRMED BY THE ARCHITECT.

LIGHTING CONTROL SEQUENCE OF OPERATION													
	OCCUPANCY SENSOR		PHOTOSENSOR		SWITCH TYPE			TIME CLOCK		NOTES			
	VACANCY MODE	OCCUPANCY MODE	SENSOR TIMEOUT PERIOD (MINUTES)	OCCUPIED LEVEL %	UNOCCUPIED LEVEL %	SWITCHING (ON/OFF)	DIMMING	TARGET LIGHT LEVEL (FC)	MANUAL (ON/OFF)		MANUAL (ON/OFF/DIM)	KEY SWITCH	SCHEDULED ON AT
TYPICAL CLASSROOM	X		20 MIN							X			
TYPICAL OFFICE	X		20 MIN							X			
TYPICAL STORAGE / MECHANICAL / ELECTRICAL	X		20 MIN						X				
TYPICAL RESTROOMS	X		20 MIN	100	0				X				
CORRIDOR	X		20 MIN	100	0				X				
CORRIDOR - NIGHT LIGHTS	X		20 MIN	100	50				X				
EXTERIOR LIGHTS						X						DUSK - 60MIN	DAWN + 60MIN

NOTES:
 1. REFER TO LIGHTING PLANS FOR ADDITIONAL CONTROL SEQUENCE NOTES.

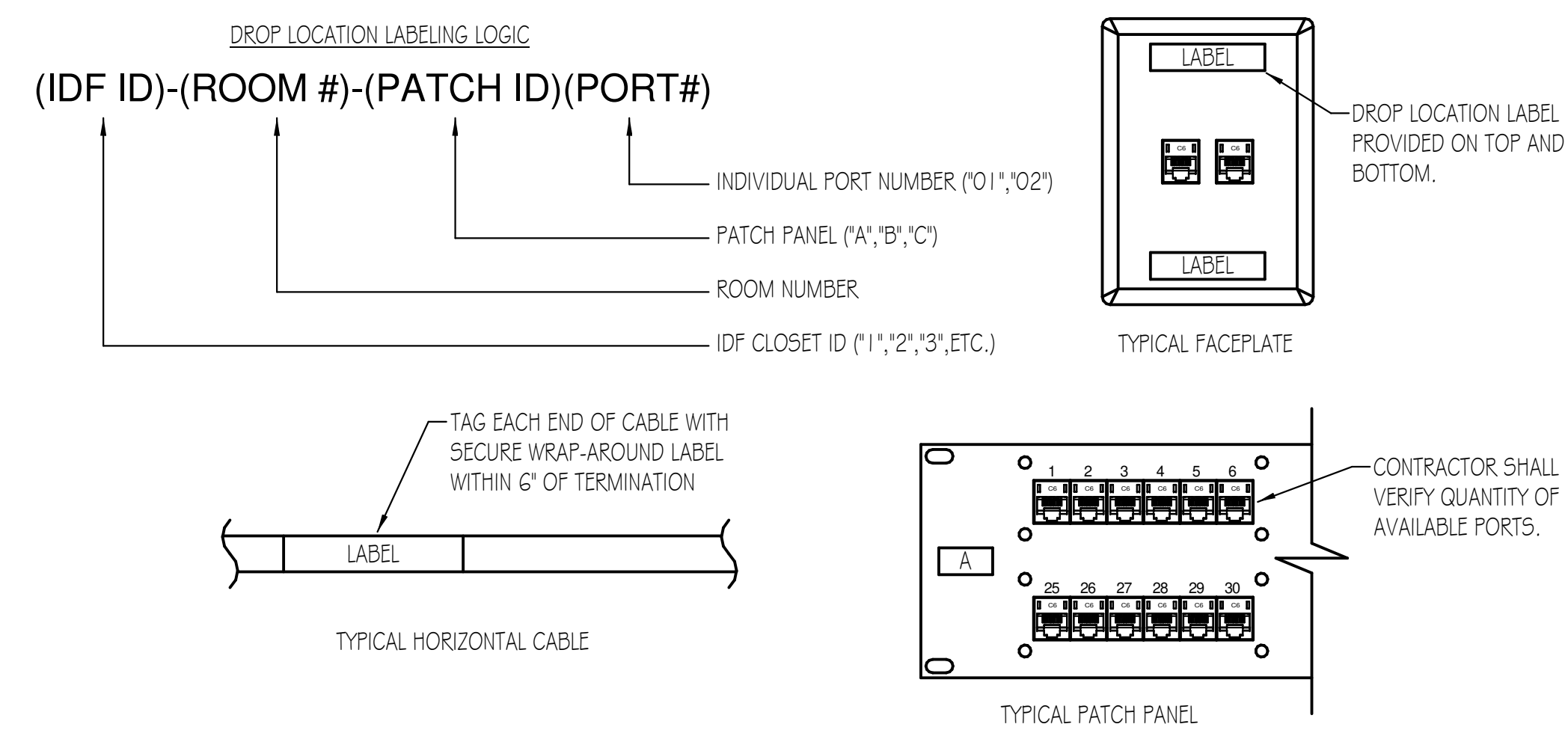
KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION	DATE
2	Addendum #3	10/6/23
3	Addendum #4	10/12/23

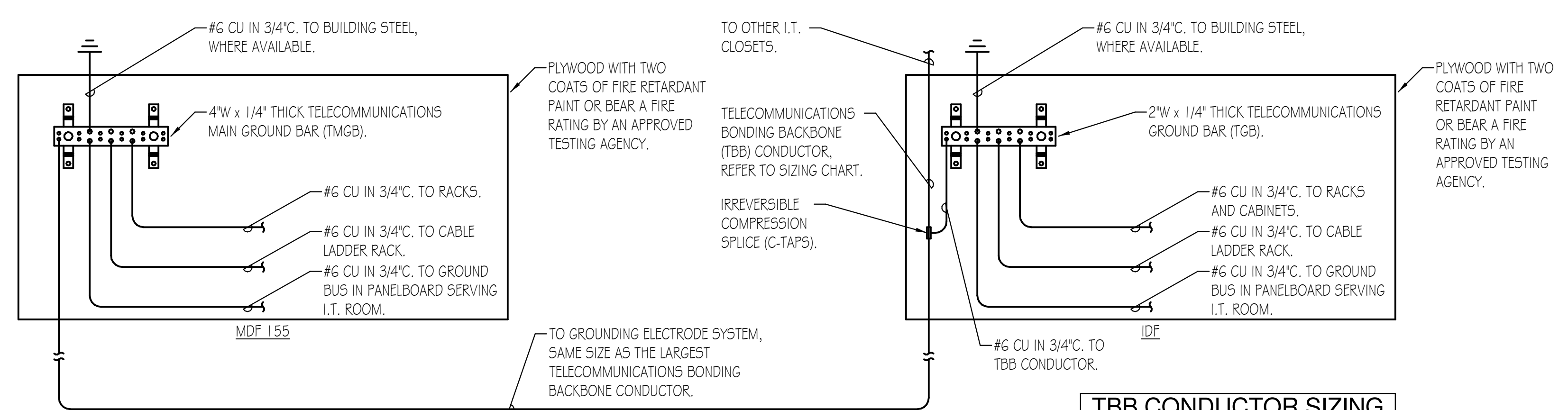
SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NUMBER:
E6.00



NOTE
EACH HORIZONTAL CABLE TERMINATION SHALL HAVE DEDICATED IDENTIFICATION. ALL LABELING MUST BE DONE WITH MECHANICAL LABEL MAKER, UTILIZING SCHEME AND METHODS ILLUSTRATED ABOVE. NO HAND-LETTERING PERMISSIBLE. ALL LABELS TO FEATURE BLACK TEXT ON WHITE BACKGROUND.

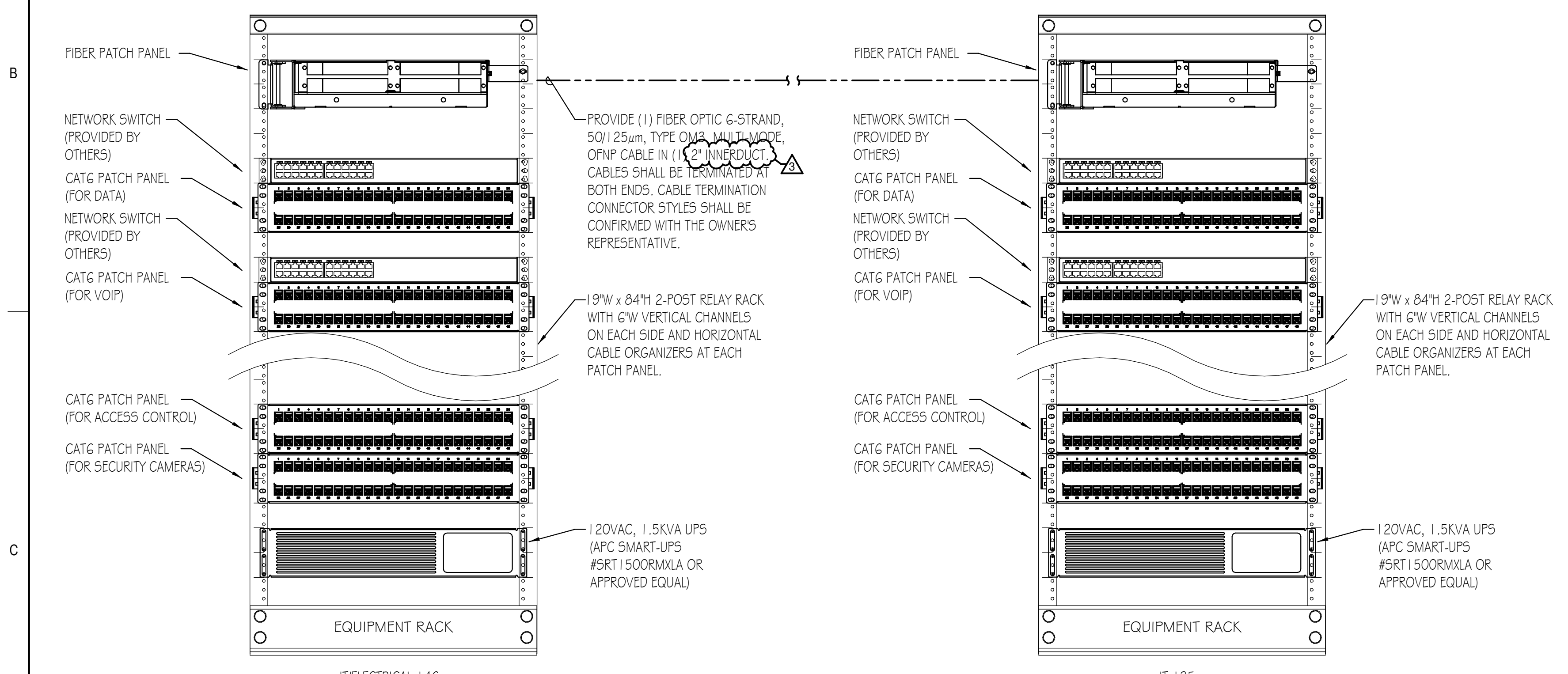
DATA CABLE LABELING DETAIL
NO SCALE



DISTANCE (FEET)	TBB SIZE (AWG)
< 13	6
14-20	4
21-26	3
27-33	2
34-41	1
42-52	1/0
53-66	2/0
67-84	3/0
85-105	4/0
106-125	250 KCMIL
126-150	300 KCMIL
151-175	350 KCMIL
176-250	500 KCMIL
251-300	600 KCMIL
> 301	750 KCMIL

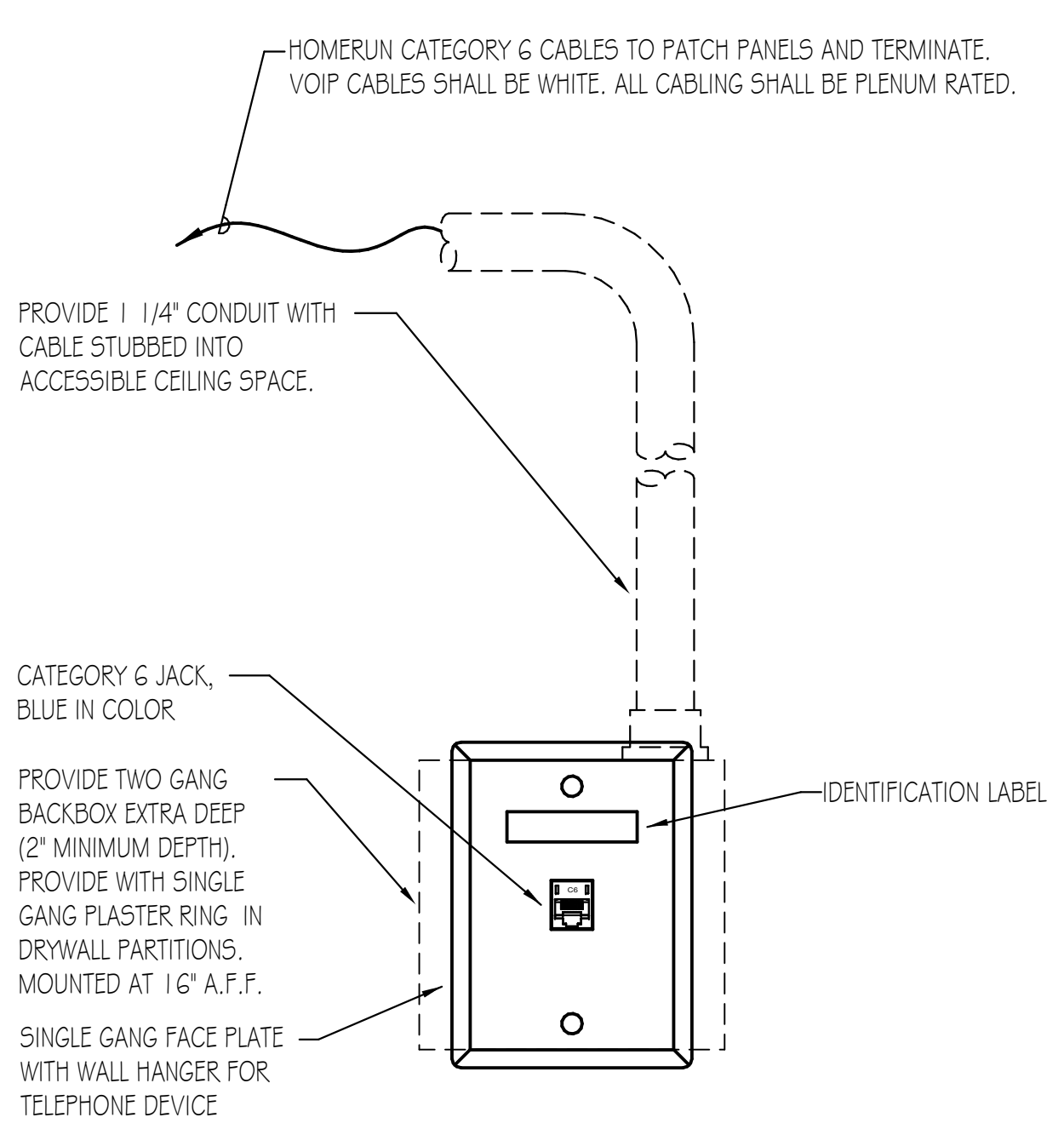
TELECOMMUNICATIONS GROUNDING DETAIL
NO SCALE

- NOTES:**
- UTILIZE EXOTHERMIC WELD OR IRREVERSIBLE COMPRESSION TYPE CONNECTION FOR BOND TO TELECOMMUNICATION GROUND BAR.
 - INSTALLATIONS SHALL CONFORM TO GUIDELINES DEFINED IN ANSIVIA-607B.



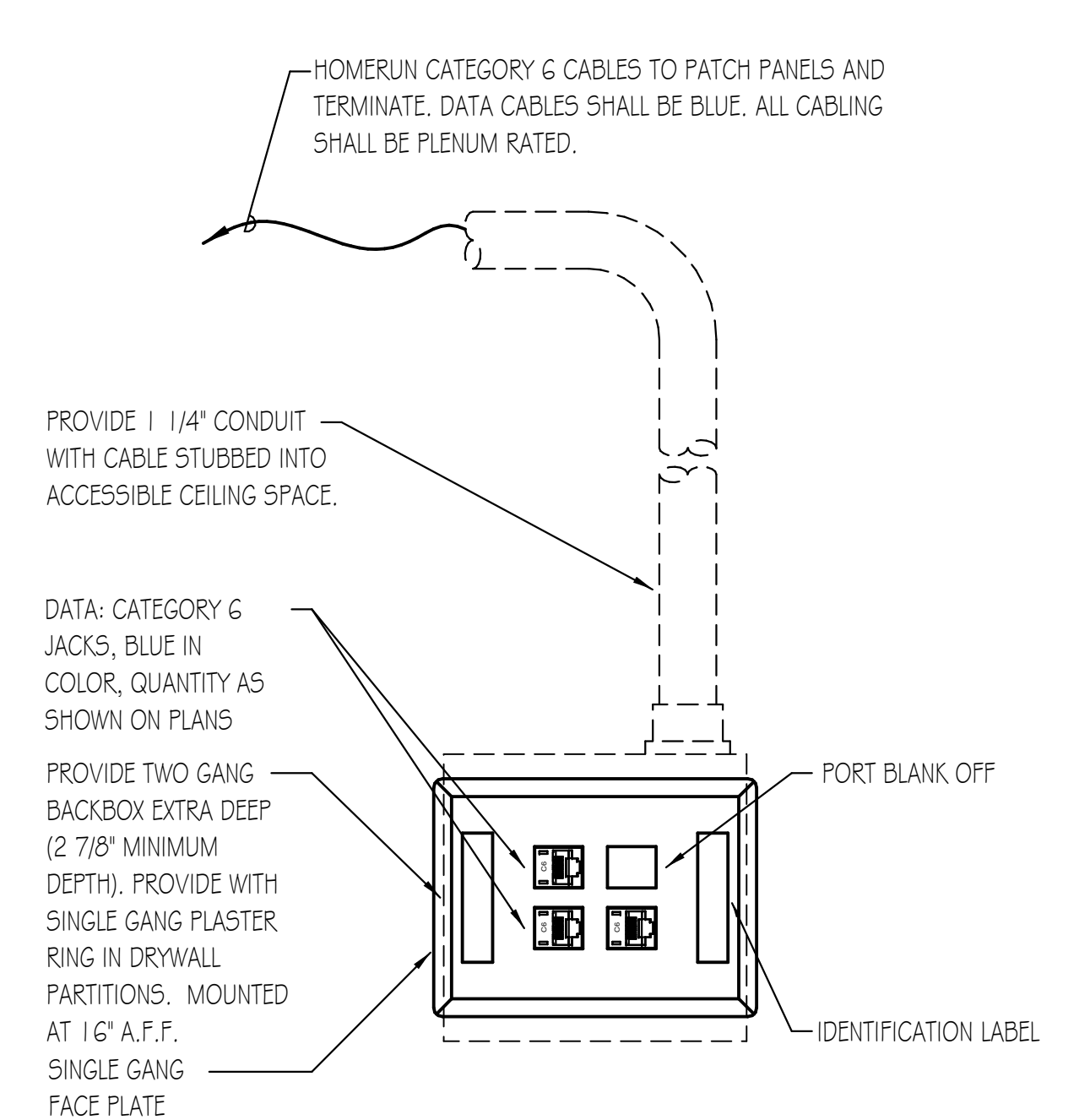
TYPICAL NETWORK RACK DETAIL
NO SCALE

- NOTES:**
- PROVIDE QUANTITY OF PATCH PANELS AS REQUIRED TO SUPPORT THE QUANTITY OF DATA OUTLETS OR DEVICES INDICATED ON THE PLANS.
 - CONTRACTOR SHALL COORDINATE TELECOMMUNICATION INSTALLATION WITH OWNERS REPRESENTATIVE. INCLUDE PRE-CONSTRUCTION MEETING WITH OWNERS REPRESENTATIVE TO GO OVER EXPECTATIONS, STANDARDS AND ADDITIONAL DETAILS PRIOR TO COMMENCEMENT OF WORK.
 - CONFIRM FIBER OPTIC TERMINATION REQUIREMENTS WITH OWNERS REPRESENTATIVE.



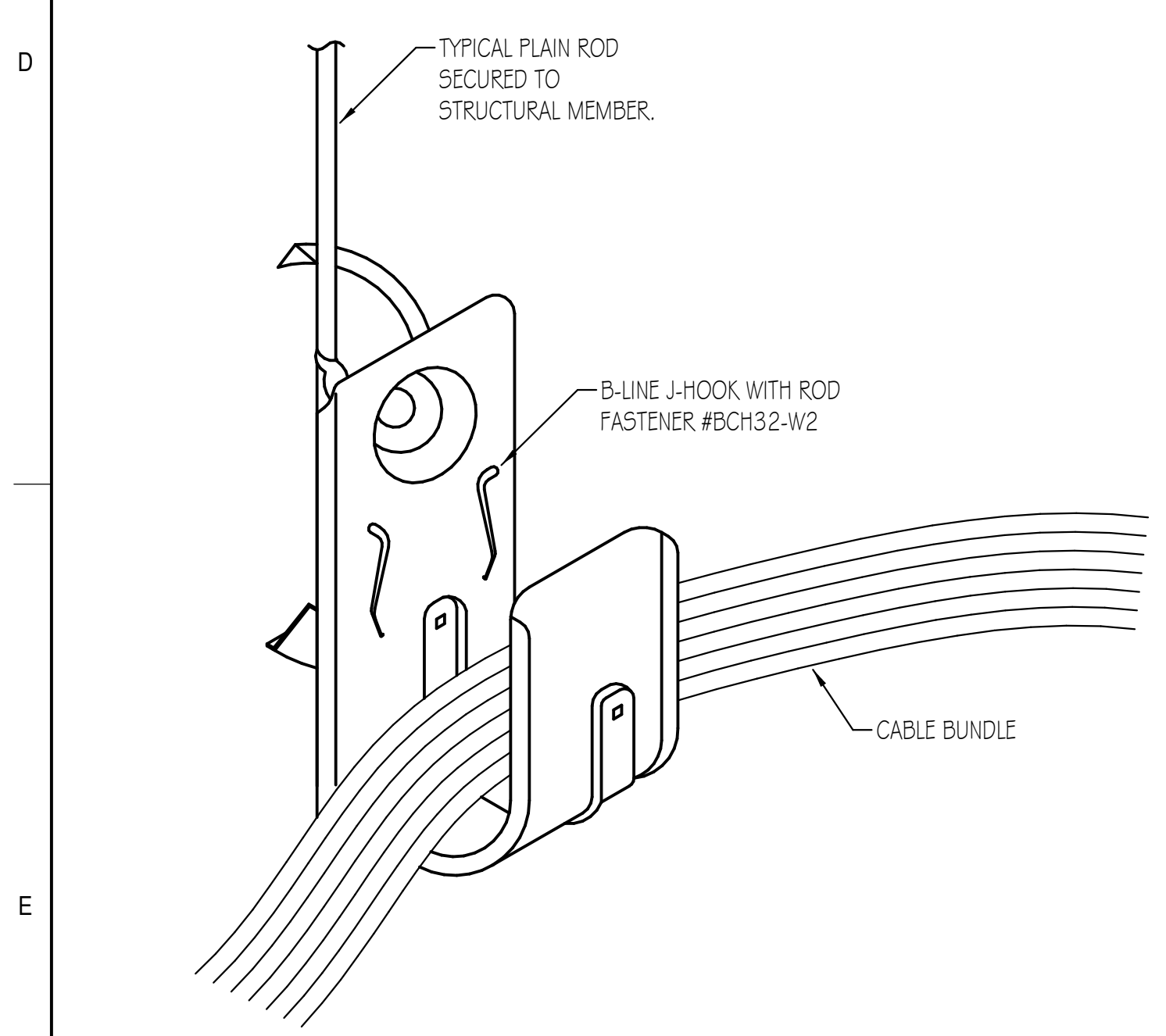
TYPICAL COMMUNICATION OUTLET DETAIL
NO SCALE

- NOTES:**
- PROVIDE MACHINE MADE IDENTIFICATION LABELS FOR EACH LOW VOLTAGE OUTLET. VERIFY EXACT REQUIREMENTS WITH OWNERS REPRESENTATIVE.
 - ALL CABLE SHALL BE A MINIMUM OF CATEGORY 6 UNLESS INDICATED OTHERWISE.
 - LABEL EACH DATA JACK WITH THE IDF CLOSET AND PATCH PORT NUMBER.
 - PROVIDE QUANTITY OF CABLES AND JACKS AS INDICATED ON PLANS.



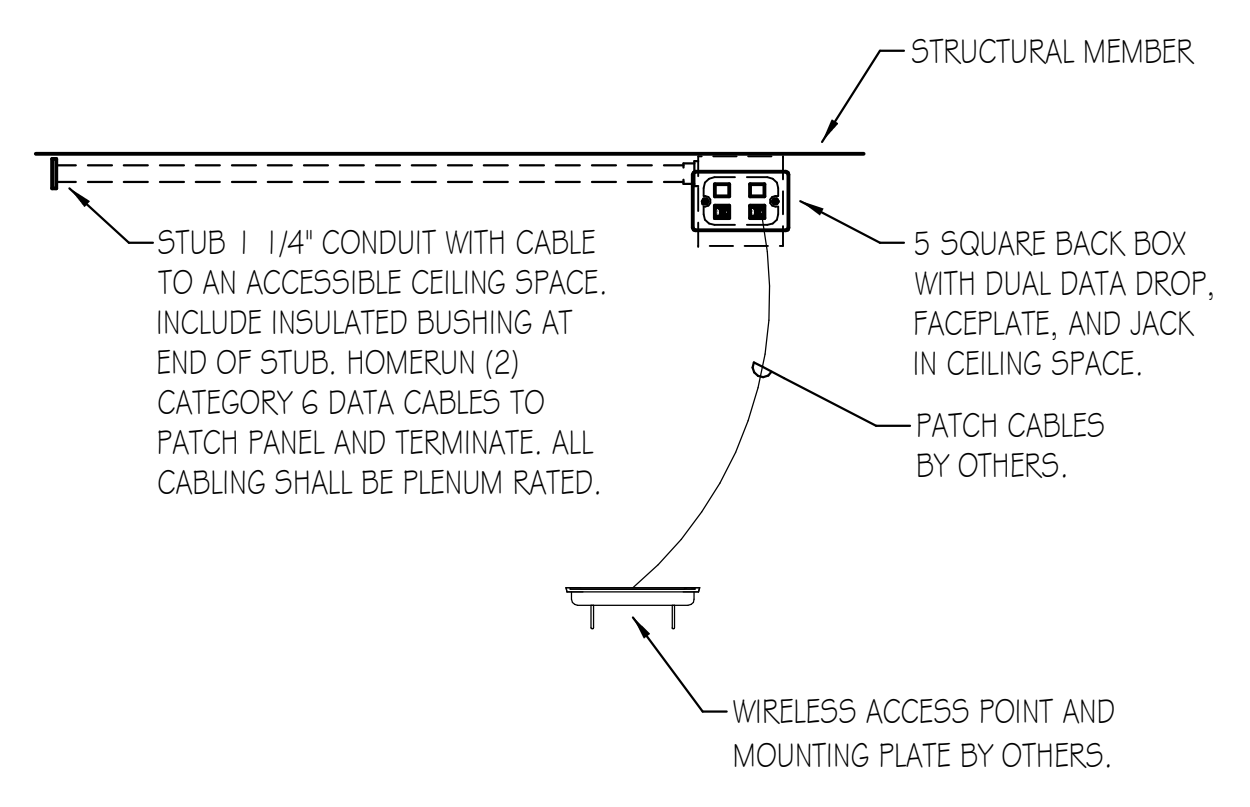
TYPICAL COMMUNICATION OUTLET DETAIL
NO SCALE

- NOTES:**
- PROVIDE MACHINE MADE IDENTIFICATION LABELS FOR EACH LOW VOLTAGE OUTLET. VERIFY EXACT REQUIREMENTS WITH OWNERS REPRESENTATIVE.
 - ALL CABLE SHALL BE A MINIMUM OF CATEGORY 6 UNLESS INDICATED OTHERWISE.
 - LABEL EACH DATA JACK WITH THE IDF CLOSET AND PATCH PORT NUMBER.
 - PROVIDE QUANTITY OF CABLES AND JACKS AS INDICATED ON PLANS.



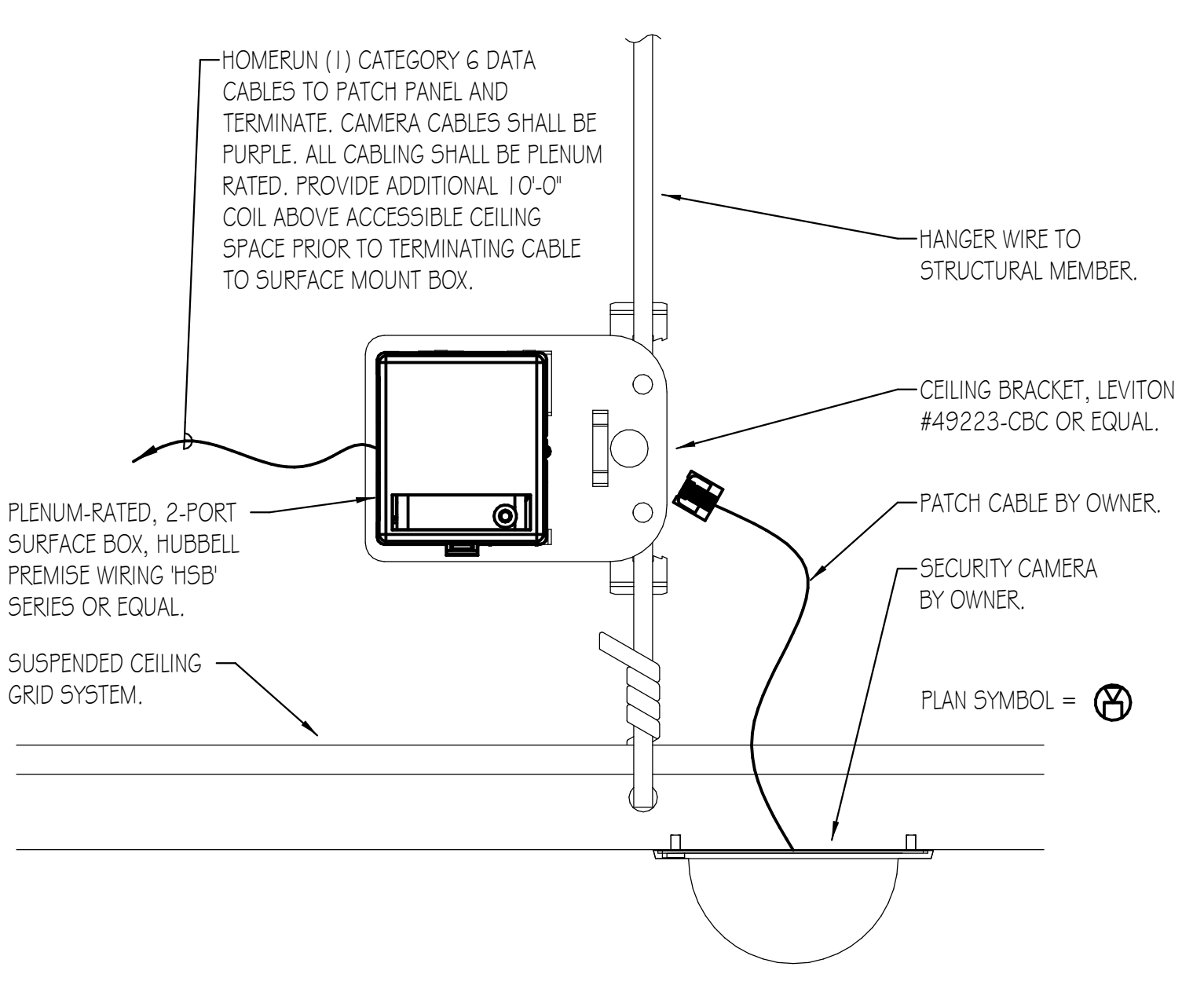
CABLE BUNDLE SUPPORT DETAIL
NO SCALE

- NOTES:**
- APPLICABLE ONLY FOR LOW VOLTAGE CABLES ROUTED IN ACCESSIBLE CEILING SPACES.



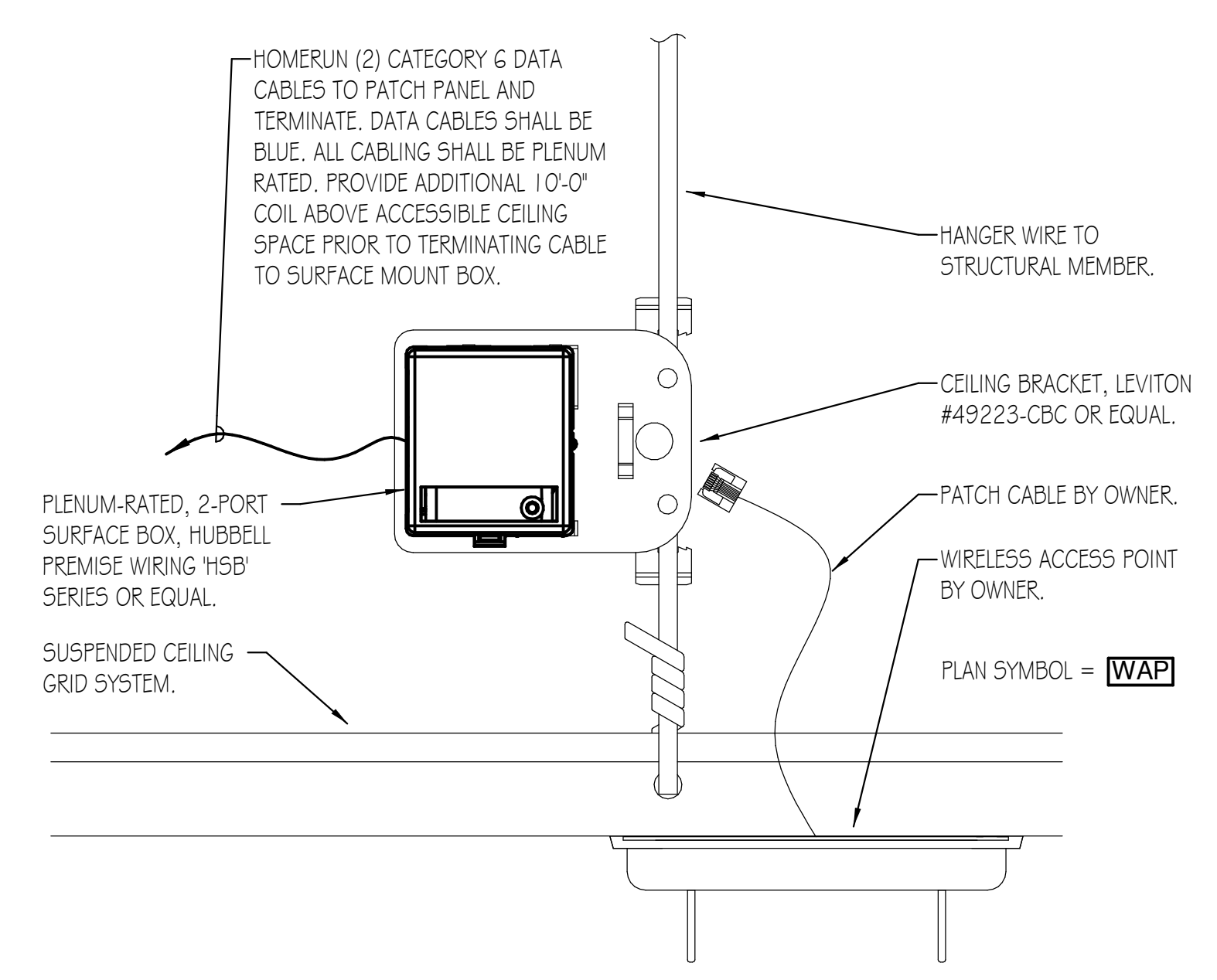
WIRELESS ACCESS POINT DETAIL
NO SCALE

- NOTES:**
- SUPPORT SURFACE MOUNT BOX TO A STRUCTURAL MEMBER.
 - COORDINATE FINAL OUTLET AND ACCESS POINT LOCATION WITH OWNERS REPRESENTATIVE.
 - APPLICABLE ONLY FOR DEVICES LOCATED IN SPACES WITH NO CEILING SYSTEMS.



SECURITY CAMERA DETAIL
NO SCALE

- NOTES:**
- SUPPORT SURFACE MOUNT BOX TO A STRUCTURAL MEMBER.
 - COORDINATE FINAL OUTLET AND CAMERA LOCATION WITH OWNERS REPRESENTATIVE.
 - APPLICABLE ONLY FOR DEVICES LOCATED ON ACOUSTICAL CEILING TILES.



WIRELESS ACCESS POINT DETAIL
NO SCALE

- NOTES:**
- SUPPORT SURFACE MOUNT BOX TO A STRUCTURAL MEMBER.
 - COORDINATE FINAL OUTLET AND ACCESS POINT LOCATION WITH OWNERS REPRESENTATIVE.
 - APPLICABLE ONLY FOR DEVICES LOCATED ON ACOUSTICAL CEILING TILES.



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MCHENRY COUNTY COLLEGE
UNIVERSITY CENTER AT MCC
222 E CHURCH ST
WOODSTOCK, ILLINOIS 60098
DKA PROJECT NO: 22-050

KEY PLAN:

SHEET STATUS: 9.19.23
ISSUED FOR BIDS

NO.	DESCRIPTION:	DATE:
3	Addendum #4	10/12/23

SHEET TITLE:
ELECTRICAL DETAILS

SHEET NUMBER:
E7.10

NURSE SIMULATION LABS				
ITEM	OWNER FURNISH, OWNER INSTALL	OWNER FURNISH, CONTRACTOR INSTALL	CONTRACTOR FURNISH, CONTRACTOR INSTALL	NOTES
DIGITAL SIGNAL PROCESSOR	X	-	-	-
AV CONTROL SYSTEM	X	-	-	-
AV AMPLIFIER	X	-	-	-
CEILING SPEAKERS	-	-	X	-
CEILING MICROPHONES	X	-	-	-

STUDY ROOMS / STUDENT LOUNGE / CONFERENCE ROOMS				
ITEM	OWNER FURNISH, OWNER INSTALL	OWNER FURNISH, CONTRACTOR INSTALL	CONTRACTOR FURNISH, CONTRACTOR INSTALL	NOTES
DISPLAY MONITORS	X	-	-	-
WEBCAM AND MICROPHONE	X	-	-	-

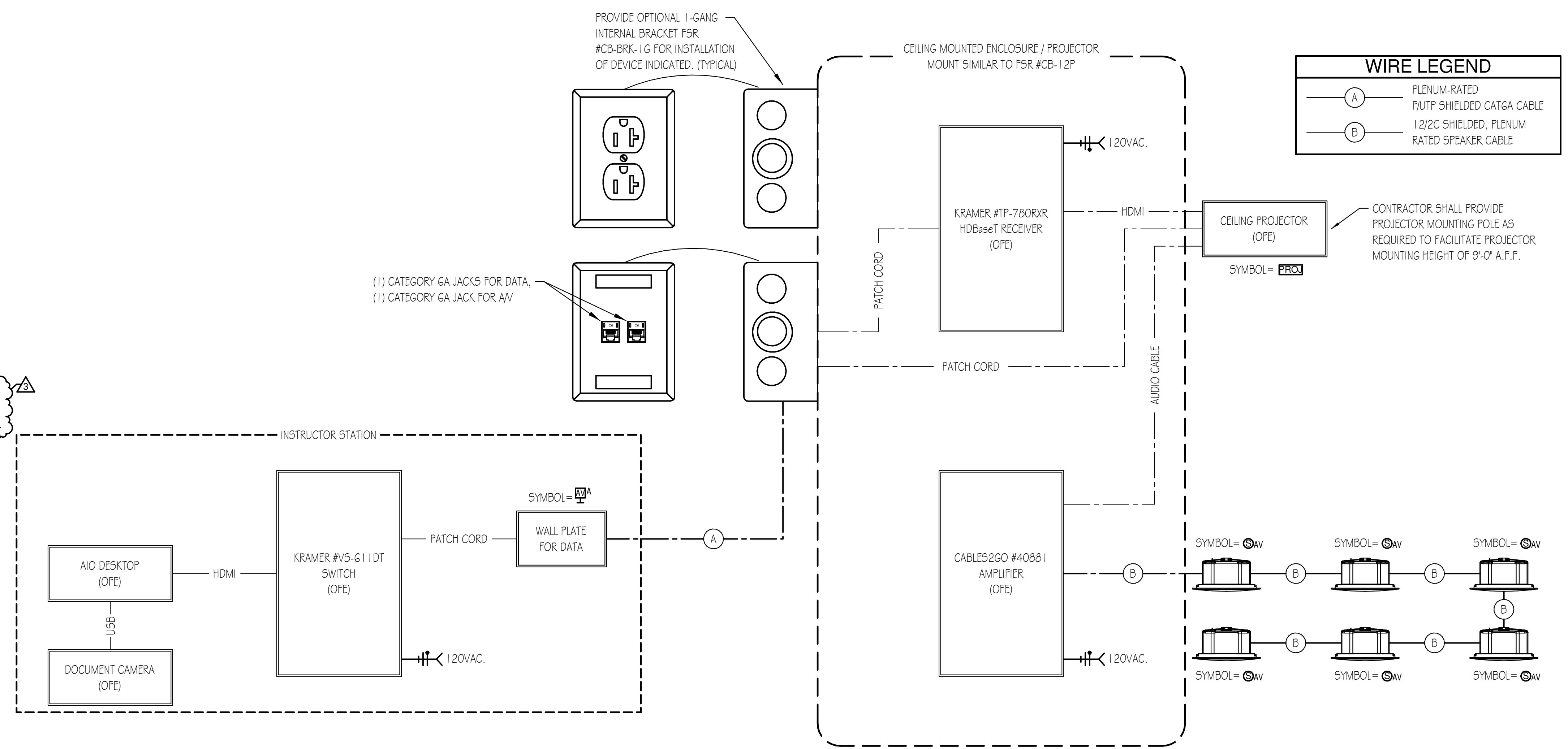
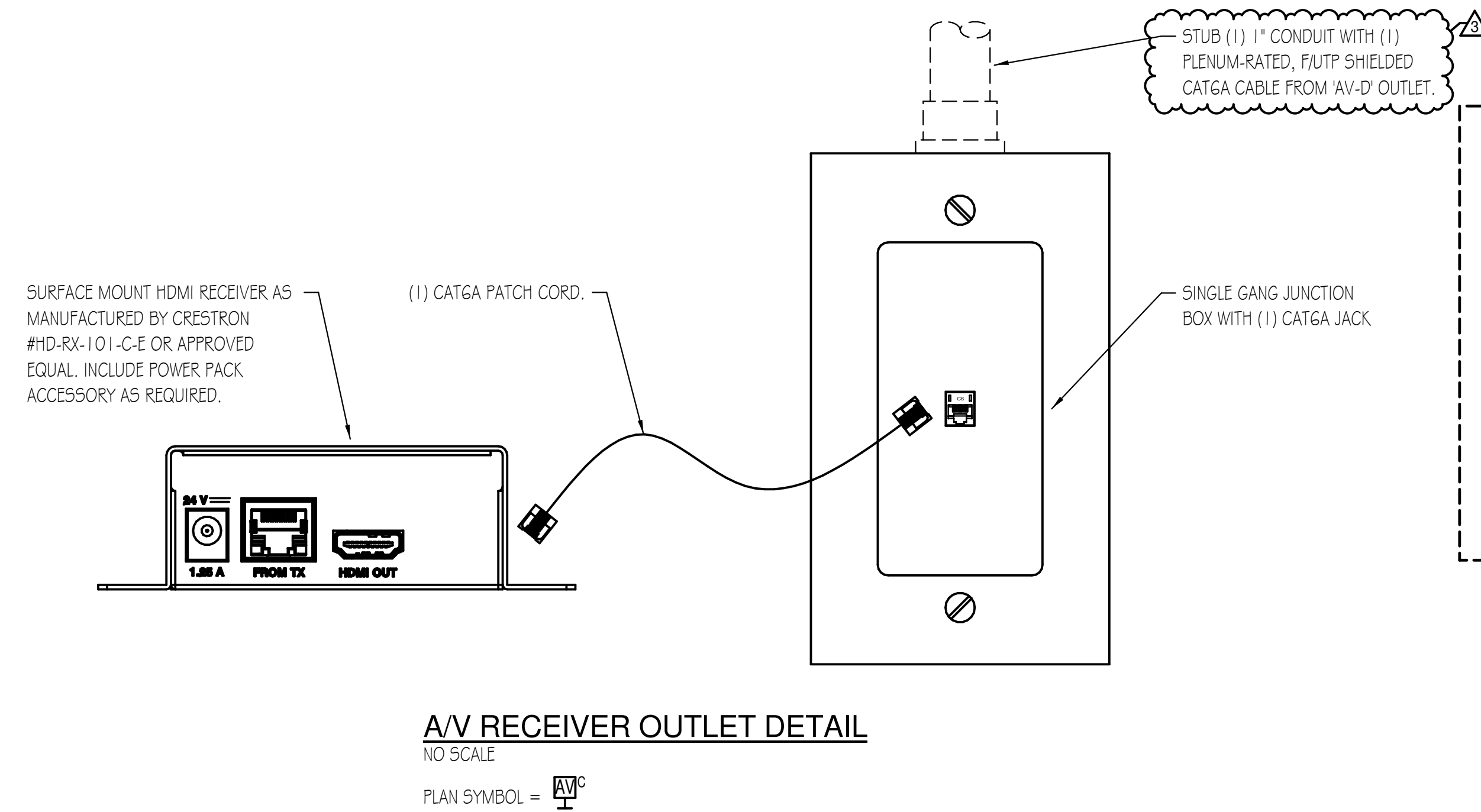
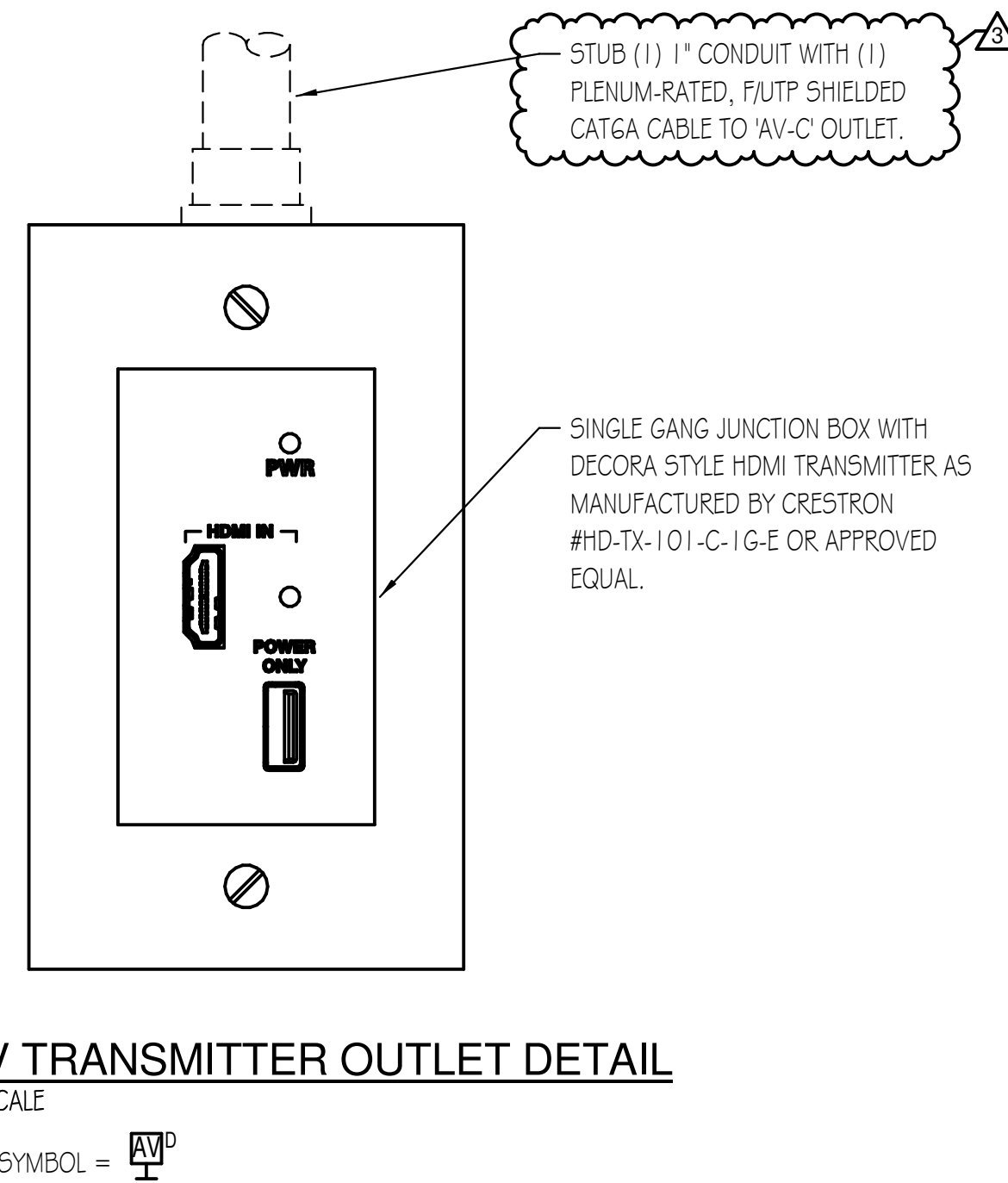
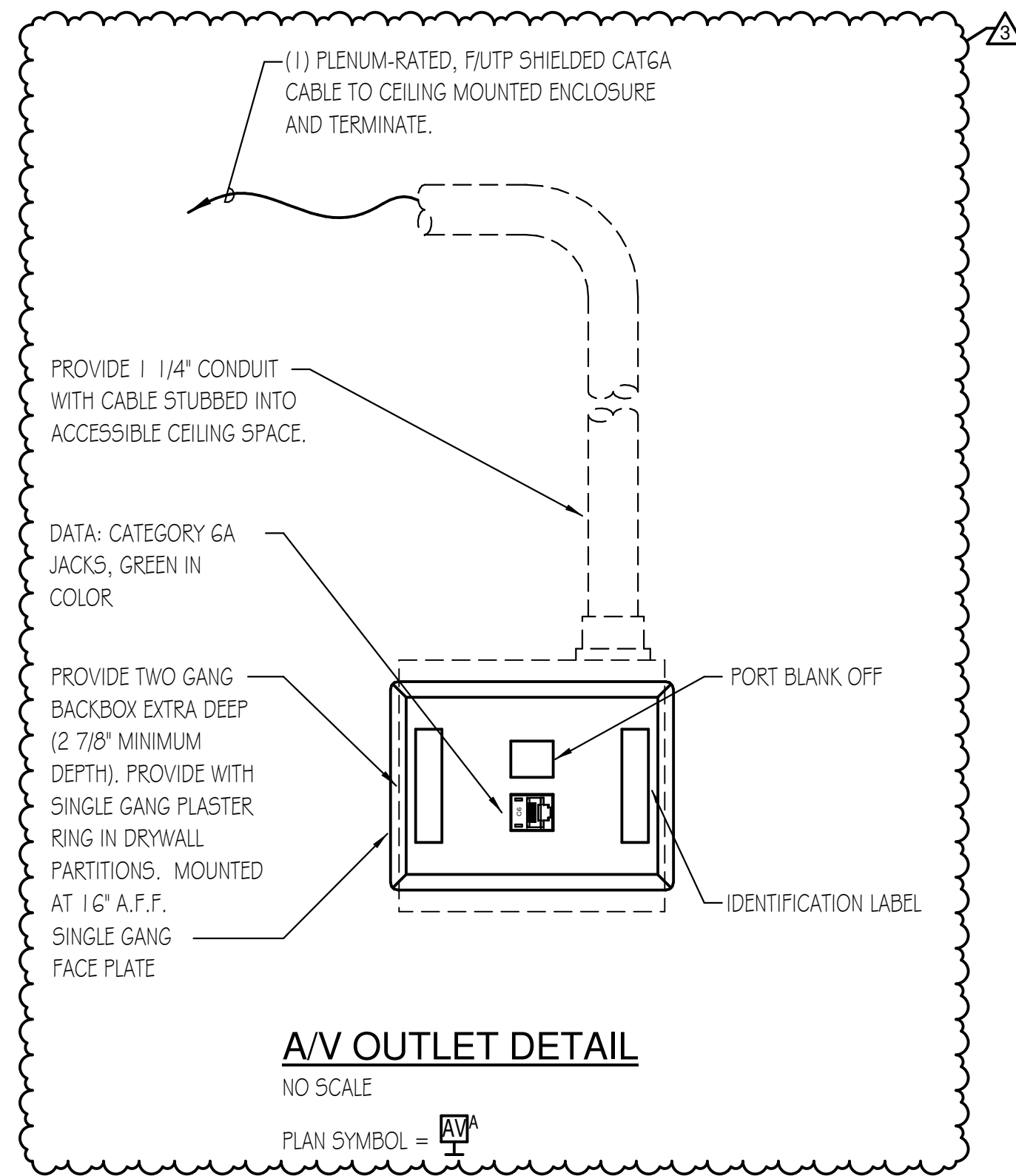
IT EQUIPMENT				
ITEM	OWNER FURNISH, OWNER INSTALL	OWNER FURNISH, CONTRACTOR INSTALL	CONTRACTOR FURNISH, CONTRACTOR INSTALL	NOTES
IT RACK	-	-	X	-
UPS	-	-	X	-
CAT6 PATCH PANELS	-	-	X	-
FIBER PATCH PANELS	X	-	-	-
NETWORK SWITCHES	X	-	-	-
WIRELESS ACCESS POINT	X	-	-	-

ACCESS CONTROL / SECURITY EQUIPMENT				
ITEM	OWNER FURNISH, OWNER INSTALL	OWNER FURNISH, CONTRACTOR INSTALL	CONTRACTOR FURNISH, CONTRACTOR INSTALL	NOTES
CAMERAS	X	-	-	-
CARD READERS	X	-	-	-
HEAD-END EQUIPMENT	X	-	-	-

STANDARD CLASSROOM A/V EQUIPMENT				
ITEM	OWNER FURNISH, OWNER INSTALL	OWNER FURNISH, CONTRACTOR INSTALL	CONTRACTOR FURNISH, CONTRACTOR INSTALL	NOTES
DESKTOP AIO COMPUTER	X	-	-	-
DOCUMENT CAMERA	X	-	-	-
AV SWITCHER (KRAMER G11DT)	X	-	-	-
CEILING SPEAKERS	-	-	X	-
PROJECTOR (EPSON 530)	-	X	-	-
PROJECTOR SCREEN (DALITE MODEL B)	-	-	X	-
AV AMPLIFIER (CABLE52GO #40881)	X	-	-	-

ROUND CLASSROOM 102				
ITEM	OWNER FURNISH, OWNER INSTALL	OWNER FURNISH, CONTRACTOR INSTALL	CONTRACTOR FURNISH, CONTRACTOR INSTALL	NOTES
DESKTOP AIO COMPUTER	X	-	-	-
DOCUMENT CAMERA	X	-	-	-
AV SWITCHER (KRAMER G11DT)	X	-	-	-
CEILING SPEAKERS	-	-	X	-
75" DISPLAY MONITORS	X	-	-	-
CEILING CAMERA	X	-	-	-

CONFERENCE ROOMS 105A & 150B				
ITEM	OWNER FURNISH, OWNER INSTALL	OWNER FURNISH, CONTRACTOR INSTALL	CONTRACTOR FURNISH, CONTRACTOR INSTALL	NOTES
DIGITAL SIGNAL PROCESSOR	X	-	-	-
AV CONTROL SYSTEM	X	-	-	-
AV INPUT DEVICE	X	-	-	-
AV TOUCH SCREEN CONTROL	X	-	-	-
CEILING SPEAKERS	-	-	X	-
CEILING MICROPHONES	X	-	-	-
PROJECTOR (EPSON 530)	-	X	-	-
PROJECTOR SCREEN (DALITE MODEL B)	-	-	X	-



WIRE LEGEND	
	PLENUM-RATED F/UTP SHIELDED CAT6A CABLE
	1/2" SHIELDED, PLENUM RATED SPEAKER CABLE