

ADDENDUM 1

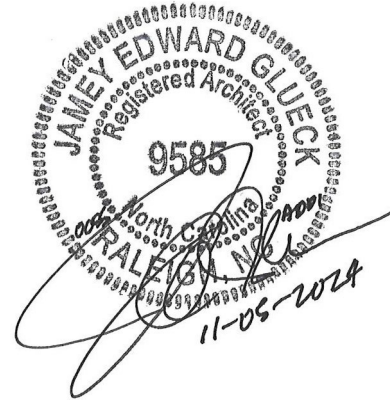
ADDENDUM DATE: November 05, 2024

PROJECT: Onslow County Senior Services Center Renovation
4024 Richlands Highway
Jacksonville, NC 28540

OWNER: Onslow County Government
234 NW Corridor Boulevard
Jacksonville, NC 28540

ARCHITECT: Smith Sinnett Architecture, P.A.
4600 Lake Boone Trail, Suite 205
Raleigh, North Carolina 27607

BIDS DUE: **November 21, 2024 at 2:00 pm**
Onslow County Government Complex Room #111
234 NW Corridor Boulevard
Jacksonville, NC 28540



Project Addendums and Bidders List are available at www.smithsinnett.com under the 'Documents' icon on the navigation bar.

This Addendum shall be included in the contract for the above-referenced project. All General, Supplementary and Special Conditions, etc., as originally specified or as modified below shall apply to these items.

GENERAL COMMENTS

Item 1 A request was submitted to specify PVC roof membrane as alternative to TPO roof membrane. The request is denied. The Owner prefers the TPO roof membrane material.

CHANGES AND CLARIFICATIONS TO THE SPECIFICATIONS

Item 2 08 42 29 Automatic Entrances, 2.2, B, 1, a, Item 3: CHANGE KM Systems to Record (Record formerly known as KM Systems).

CHANGES AND CLARIFICATIONS TO THE CIVIL DRAWINGS

- Item 3 Sheet C1-02: REPLACE the sheet in its entirety with the attached sheet C1-02.
Note the following revisions:
- Two existing accessible parking signs on the north side of the building will be removed.
 - Existing asphalt will be removed for the installation of proposed communication lines on the southeast side of the site.
- Item 4 Sheet C2-01: REPLACE the sheet in its entirety with the attached sheet C2-01.
Note the following revisions:
- Two new accessible parking signs with bollards will be installed in place of the two existing. ACCESSIBLE PARKING SIGNAGE WITH BOLLARD was added as 9B/C4-01 in the keynotes.
 - The cut asphalt will be patched with new asphalt pavement after the installation of proposed communication lines on the southeast side of the site.
- Item 5 Sheet C3-01: REPLACE the sheet in its entirety with the attached sheet C3-01.
Note the following revisions:
- A post indicator valve was added to the fire line to the building immediately downstream of the new backflow preventer. POST INDICATOR VALVE & TAPPING SLEEVE was added as 5/C4-03 in the keynotes.
- Item 6 Sheet C4-01: REPLACE the sheet in its entirety with the attached sheet C4-01.
Note the following revisions:
- The ACCESSIBLE PARKING SIGNAGE WITH BOLLARD detail was added as 9B.
- Item 7 Sheet C4-03: REPLACE the sheet in its entirety with the attached sheet C4-03.
Note the following revisions:
- The POST INDICATOR VALVE & TAPPING SLEEVE detail was added as 5.

CHANGES AND CLARIFICATIONS TO THE STRUCTURAL DRAWINGS

- Item 8 Sheet S1-01: REPLACE the sheet in its entirety with the attached sheet S1-01.
Note the following revisions:
- 1/S1-01 – Revision to location of RTU at congregate dining 106.
- Item 9 Sheet S1-04: REPLACE the sheet in its entirety with the attached sheet S1-04.
Note the following revisions:
- 2/S1-04 – Revision to dimensions of Alternate 4 canopy structure.

- Item 10 Sheet S2-01: REPLACE the sheet in its entirety with the attached sheet S2-01.
Note the following revisions:
- S2-01 – Revision to Lintel schedule.
 - S2-01 – All exposed steel shall be G-90 hot dipped galvanized. Refer to architectural drawings for locations where steel is to be exposed.

CHANGES AND CLARIFICATIONS TO THE ARCHITECTURAL DRAWINGS

- Item 11 Sheet A0-02: REPLACE the sheet in its entirety with the attached sheet A0-02.
Note the following revisions:
- 1/A0-02 - Use existing opening head and jamb in lieu of a new opening in the existing wall for new aluminum window. Refer to demo elevations, A0-07.

- Item 12 Sheet A0-03: REPLACE the sheet in its entirety with the attached sheet A0-03.
Note the following revisions:
- 1/A0-03 - Use existing opening head and jamb in lieu of a new opening in the existing wall for new aluminum window. Refer to demo elevations, A0-07.

- Item 13 Sheet A0-07: REPLACE the sheet in its entirety with the attached sheet A0-07.
Note the following revisions:
- 3/A0-07 - Revision to new openings on east demo elevation.
 - 3/A0-07 - Use existing opening head and jamb in lieu of a new opening in the existing wall for new aluminum window. Refer to demo elevations, A0-07.
 - 2/A0-07 - Use existing opening head and jamb in lieu of a new opening in the existing wall for new aluminum window. Refer to demo elevations, A0-07.

- Item 14 Sheet A1-04: REPLACE the sheet in its entirety with the attached sheet A1-04.
Note the following revisions:
- 1/A1-04 - Use existing opening head and jamb in lieu of a new opening in the existing wall for new aluminum window. Refer to demo elevations, A0-07.
 - 1/A1-04 - Addition of enlarged floorplan and casework elevation tags. Refer to sheet A4-04.

- Item 15 Sheet A1-06: REPLACE the sheet in its entirety with the attached sheet A1-06.
Note the following revisions:
- 1/A1-06 - Addition of floor box in Work Room 214.
 - 1/A1-06 - Addition of floor box in Adult Day Room 115.

- Item 16 Sheet A1-20: REPLACE the sheet in its entirety with the attached sheet A1-20.
Note the following revisions:
- 1/A1-20 - Clarification – If alternate 6C is accepted, bulkhead height shall be 9'-8".
 - 1/A1-20 - Revision to bulkheads heights throughout area A as indicated on 1/A1-20.

- Item 17 Sheet A1-21: REPLACE the sheet in its entirety with the attached sheet A1-21.
Note the following revisions:
- 1/A1-21 - Revision to bulkheads to continue beyond the extents of the folding panel partition track in Training Spaces 222 and 223.
- Item 18 Sheet A1-30: REPLACE the sheet in its entirety with the attached sheet A1-30.
Note the following revisions:
- 1/A1-30 - Addition of cricket in front of the high side of translucent roof assembly curb.
 - 1/A1-30 - Revision to location of ladder cradle to avoid alternate generator and generator infrastructure. Move ladder cradle south to location noted on 1/A1-30.
 - 1/A1-30 – Clarification - “Protection Mat” annotations added.
- Item 19 Sheet A2-01: REPLACE the sheet in its entirety with the attached sheet A2-01.
Note the following revisions:
- 1/A2-01, 2/A2-01 and 4/A2-01 - Revision to metal fascia. Refer to sheet A5-01.
 - 4/A2-01 - Use existing opening head and jamb in lieu of a new opening in the existing wall for new aluminum window. Refer to demo elevations, A0-07.
- Item 20 Sheet A4-03: REPLACE the sheet in its entirety with the attached sheet A4-03.
Note the following revisions:
- 7/A4-03 - Revision to clarify PL and PL2 locations.
 - 7/A4-03 - Revision to clarify no rubber base at PL2 and SS1 locations.
 - 3/A4-03 - Revision to centerline of TV height set to 8'-2”.
 - 3/A4-03 - Revision to clarify PL3 seam location.
 - 3/A4-03 - Revision to clarify no rubber base at PL3 and SS1.
 - 3/A4-03 – Bottom of TV’s shall be 6'-8” minimum clear from FFE.
- Item 21 Sheet A4-04: REPLACE the sheet in its entirety with the attached sheet A4-04.
Note the following revisions:
- A4-04 - Addition of Casework Legend.
 - A4-04 – Addition of 9/A4-04 ‘Work Room 214 – Enlarged Plan’.
 - A4-04 – Addition of 10/A4-04 ‘Work Room 214 – Island Casework South Elevation’.
 - 6/A4-04 - Addition of rubber base near knee space.
 - 6/A4-04 - Revision of ‘B16’ depth.
 - 7/A4-04 - Revisions to Casework.
 - 8/A4-04 - Revisions to Casework.
 - 1/A4-04 - Revision to top of ‘CS1’ sill height to be set at 2’-10”.
 - 1/A4-04 and 2/A4-04 - Revision to centerline of TV height set to 7’-7”.

- Item 22 Sheet A5-01: REPLACE the sheet in its entirety with the attached sheet A5-01.
Note the following revisions:
- 1/A5-01, 2/A5-01, 5/A5-01, 6/A5-01, 7/A5-01, 8/A5-01, 9/A5-01, 12/A5-01 and 13/A5-01 - Revision to metal fascia.
 - 6/A5-01 and 7/A5-01 - Revision to use 7"x7"x1/4" bent plate with (2) 1/2" anchors 16" o.c. top and bottom staggered.
 - 4/A5-01 and 10/A5-01 - Addition of 3 5/8" metal studs at 16" and 32" O.C. to bulkhead.
 - 4/A5-01 and 10/A5-01 - Addition of 4"x4" continuous cold formed angle at corners of bulkhead.
- Item 23 Sheet A5-02: REPLACE the sheet in its entirety with the attached sheet A5-02.
Note the following revisions:
- Continue horizontal reinforcing to new 8" CMU.
- Item 24 Sheet A5-03: REPLACE the sheet in its entirety with the attached sheet A5-03.
Note the following revisions:
- 7/A5-03 - Addition of 3 5/8" metal studs at 32" O.C. added to bulkhead.
 - 7/A5-03 and 15/A5-03 - Addition of 4"x4" continuous cold formed angle at corners of bulkhead.
- Item 25 Sheet A6-01: REPLACE the sheet in its entirety with the attached sheet A6-01.
Note the following revisions:
- Revision to height of 'HM9' and 'HM10' frames shall be at 8'-8".
- Item 26 Sheet A6-03: REPLACE the sheet in its entirety with the attached sheet A6-03.
Note the following revisions:
- 7/A6-03 – Steel bent plate shall be used at existing opening head. Refer to structural lintel schedule.
 - 11/A6-03 – DELETED - No hollow metal door frames in existing opening.
 - 13/A6-03 – DELETED - No hollow metal door frames in existing opening.
- Item 27 Sheet A6-10: REPLACE the sheet in its entirety with the attached sheet A6-10.
Note the following revisions:
- Revision to top of CS1 sill height to be set at 2'-10".
 - Revision to AL1, AL2-A, AL5, AL6-A and AL7-A head details.
- Item 28 Sheet A9-07: REPLACE the sheet in its entirety with the attached sheet A9-07.
Note the following revisions:
- 3/A9-07 - Addition of downspout.
 - 3/A9-07 - Addition of protection mats at each downspout.

- Item 29 Sheet A9-10: REPLACE the sheet in its entirety with the attached sheet A9-10.
Note the following revisions:
- A9-10 – Addition of 1/A9-10 ‘Alternate 6C – ‘Interior elevation looking south’
 - 1/A9-10 – If alternate 6C is accepted, extend accent wall finish to bottom of bulkhead.
 - 1/A9-10 – If alternate 6C is accepted, extend corner trim to bottom of bulkhead.
 - 3/A9-10 – Revision - Linear metal ceiling not in alternate 6B. Refer to 1/A9-10 for clarification on wall finish and corner trim if alternate 6C is accepted.
 - 4/A9-10 – If alternate 6C is accepted, bulkhead shall be at 9’-8”.
 - 4/A9-10 - Revision to linear metal ceiling to stop 6” from edge of accent wall finish to allow for recessed linear light fixture.

CHANGES AND CLARIFICATIONS TO THE PLUMBING DRAWINGS

- Item 30 Sheet P2-01: REPLACE the sheet in its entirety with the attached sheet P2-01.
Note the following revisions:
- Added: FD-4 Hub Drain to Laundry 244 for condensate from DS-3 on mechanical sheet M2-02.
- Item 31 Sheet P2-02: REPLACE the sheet in its entirety with the attached sheet P2-02.
Note the following revisions:
- Added: FD-4 Hub Drain to Laundry 244 for condensate from DS-3 on mechanical sheet M2-02.
- Item 32 Sheet P4-01: REPLACE the sheet in its entirety with the attached sheet P4-01.
Note the following revisions:
- Revised waste and vent riser for added hub drain.

CHANGES AND CLARIFICATIONS TO THE MECHANICAL DRAWINGS

- Item 33 Sheet M1-01: REPLACE the sheet in its entirety with the attached sheet M1-01.
Note the following revisions:
- 1/M1-01 – Revision – No existing skylights in project. All skylights in project shall be new skylights.
- Item 34 Sheet M2-01: REPLACE the sheet in its entirety with the attached sheet M2-01.
Note the following revisions:
- 1/M2-01 – Revision – Condensate line shall terminate at floor sink in Kitchen 109.
- Item 35 Sheet M2-02: REPLACE the sheet in its entirety with the attached sheet M2-02.
Note the following revisions:
- 1/M2-02 – Revision – Condensate line shall extend to hub drain. Refer to plumbing drawings for location.

CHANGES AND CLARIFICATIONS TO THE ELECTRICAL DRAWINGS

- Item 36 Sheet E1-01: REPLACE the sheet in its entirety with the attached sheet E1-01.
Note the following revisions:
- Added: Undercounter light fixtures at Room 115A.
 - Revised: Light switch locations at various areas to avoid interferences. Shifted light fixture continuous linear run at corridor.
- Item 37 Sheet E1-02: REPLACE the sheet in its entirety with the attached sheet E1-02.
Note the following revisions:
- Revised: Lighting layout at rooms 200 and 201A.
 - Added: Cove Lighting Fixture Types CL2, CL3, CL4 and CL8.
- Item 38 Sheet E2-01: REPLACE the sheet in its entirety with the attached sheet E2-01.
Note the following revisions:
- Revised: Generator Annunciator Panel (GAP) location from Room 101 to 100. Relocated MTS (base bid) / ATS(Alternate#2) to building. Revised: Keynote 9 to clarify contractor to provide support rack to mount equipment.
 - Added: Floor box Room 115 and associated power and communications conduits / wiring.
 - Deleted: AV Wall box and Overhead Projector outlets Room 115.
- Item 39 Sheet E2-02: REPLACE the sheet in its entirety with the attached sheet E2-02.
Note the following revisions:
- Added: Floor box at Room 214 and associate power and communication conduits and wiring.
- Item 40 Sheet E3-01: REPLACE the sheet in its entirety with the attached sheet E3-01.
Note the following revisions:
- Deleted: AV Wall box and Overhead Projector and associated Data and HDMI cabling at Room 115.
 - Added: Floor box and associated Data and HDMI cabling at Room 115.
 - Revised: CAT 6 / HDMI Drop Schedule.
- Item 41 Sheet E4-01: REPLACE the sheet in its entirety with the attached sheet E4-01.
Note the following revisions:
- Relocated camera on exterior of building.
 - Relocated fire alarm ceiling devices to wall devices at rooms 100 and 101.
- Item 42 Sheet E4-02: REPLACE the sheet in its entirety with the attached sheet E4-02.
Note the following revisions:
- Relocated camera on exterior of building.
 - Relocated fire alarm ceiling devices to wall devices at rooms 200 and 201A.

- Item 43 Sheet E6-01: REPLACE the sheet in its entirety with the attached sheet E6-01.
Note the following revisions:
- Revised Panel Schedules MDP, AL4.
- Item 44 Sheet E6-02: REPLACE the sheet in its entirety with the attached sheet E6-02.
Note the following revisions:
- Revised Panel Schedule CL2.
- Item 45 Sheet E6-03: REPLACE the sheet in its entirety with the attached sheet E6-03.
Note the following revisions:
- Added: Light Fixture Types CL2, CL3, CL4 and CL8.
 - Revised: Light Fixture Type UC3.
- Item 46 Sheet E7-01: REPLACE the sheet in its entirety with the attached sheet E7-01.
Note the following revisions:
- Revised Domestic and Fireline Hotbox locations and associated power and fire alarm conduit, wiring and devices to match civil drawings.

End of Addendum 1

Attached:

Civil Drawings (5) sheets
Structural Drawings (3) sheets
Architectural Drawings (19) sheets
Plumbing Drawings (3) sheets
Mechanical Drawings (3) sheets
Electrical Drawings (11) sheets

ADDENDUM No. 1

5-November 2024

Onslow County Senior Service Center

Timmons Group
5410 Trinity Road, Suite 102
Raleigh, NC 27607
Attn: Jake Lewis
(919) 532-3236
Frank.Slinsky@timmons.com

This ADDENDUM forms a part of the Contract Documents and modifies the original Bidding Documents as noted below. Bidders shall acknowledge receipt of the ADDENDUM in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

Where any article, division or subparagraph of the original contract documents or other addenda is supplemented herein, the provisions of the original documents shall remain in effect. All the supplemental provisions shall be considered as added thereto. Where any such article, division or subparagraphs are amended, voided or superseded thereby, the provisions of such article, division or subparagraph not so specifically amended, voided or superseded shall remain in effect.

The attention of the Contractor is called to the following clarifications, additions to and changes in the plans and specifications dated 16-October 2024 on the above job. It will be the responsibility of each Contractor to call such clarifications, additions to and changes in the plans and specifications to the attention of subcontractors concerned. The Engineer in no way assumes any responsibility for notifying any subcontractor, material dealers or others not having received the original contract documents.

CHANGES TO THE DRAWINGS

ITEM 1.

Refer to attached revised sheets C1-02, C2-01, C4-01

- On C1-02, two existing accessible parking signs on the north side of the building will be removed.
- On C2-01, two new accessible parking signs with bollards will be installed in place of the two existing. ACCESSIBLE PARKING SIGNAGE WITH BOLLARD was added as 9B/C4-01 in the keynotes.
- On C4-01, the ACCESSIBLE PARKING SIGNAGE WITH BOLLARD detail was added as 9B.

ITEM 2.

Refer to attached sheets C1-02, C2-01

- On C1-02, existing asphalt will be removed for the installation of proposed communication lines on the southeast side of the site.
- On C2-01, the cut asphalt will be patched with new asphalt pavement after the installation of proposed communication lines on the southeast side of the site.

ITEM 3.

Refer to sheets C3-01, C4-03

- On C3-01, a post indicator valve was added to the fire line to the building immediately downstream of the new backflow preventer. POST INDICATOR VALVE & TAPPING SLEEVE was added as 5/C4-03 in the keynotes.
- On C4-03, the POST INDICATOR VALVE & TAPPING SLEEVE detail was added as 5.

END OF ADDENDUM No.1

Attachments :
Revised Drawings

- ### STAKING GENERAL NOTES
1. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE ONSLOW COUNTY AND OSHA STANDARDS.
 2. EMPLOY A LICENSED SURVEYOR FOR FINAL STAKEOUT. GRADING EQUIPMENT USING GPS IS ACCEPTABLE FOR BULK GRADING.
 3. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO THE OWNER.
 4. RAISE ALL STRUCTURES WITHIN THE AREAS TO BE OVERLAID SUCH THAT THE TOP OF THE STRUCTURE EQUALS THE FINISH GRADE OF THE NEW ASPHALT.
 5. COORDINATE THE PROJECT SCHEDULE WITH THE CIVIL ENGINEER AND OWNER IN ACCORDANCE WITH THE OWNER'S ONGOING ONSITE OPERATIONS.
 6. ALL PAVING SHALL BE PERFORMED BY A NCDOT APPROVED CONTRACTOR. COORDINATE WITH NCDOT FOR WORK IN THE RIGHT OF WAY.
 7. PROVIDE A SMOOTH TRANSITION BETWEEN NEW PAVEMENT AND EXISTING PAVEMENT / GRAVEL SURFACES.
 8. PROVIDE A 1-FT OVERLAP OF THE FINAL SURFACE COURSE OVER THE FIRST LIFT OF ASPHALT AT COLD JOINTS.
 9. THE OWNER WILL HIRE A THIRD-PARTY INSPECTOR FOR PAVING INSPECTIONS. CORE SAMPLES WILL BE TAKEN IN ASPHALT TO CHECK FOR DENSITY AND THICKNESS.
 10. INSTALL FIBER JOINT FILLER AND CALK AT EACH CONCRETE EXPANSION JOINT AND WHERE CONCRETE PAVEMENT ABUTS OTHER PAVEMENTS, SIDEWALKS, OR HARD SURFACES.
 11. PRIOR TO FINAL PROJECT ACCEPTANCE, PROVIDE AN AS-BUILT SURVEY OF ALL UTILITY SYSTEMS AND STORM SEWERS.

- ### KEY NOTES
- | | | |
|-------------|---|--|
| 1
C4-01 | HEAVY DUTY ASPHALT PAVEMENT | |
| 2
C4-01 | CONCRETE SIDEWALK | |
| 3
C4-01 | PRECAST CONCRETE WHEEL STOP:
INSTALL 20 CONCRETE WHEEL STOPS (REUSE THE 15 EXISTING WHEELSTOPS, PURCHASE 5 WHEELSTOPS) | |
| 4
C4-01 | 6" GALVANIZED STEEL BOLLARD WITH HDPE SLEEVE | |
| 5
C4-01 | 6" CONCRETE CURB & 18" GUTTER | |
| 6
C4-01 | HEAVY DUTY CONCRETE PAVEMENT | |
| 7
C4-02 | 4" CALIPER SINGLE STEM CREPE MYRTLE (ARCHITECT / OWNER TO SELECT FLOWER COLOR) | |
| 8
C4-02 | ACCESSIBLE CURB RAMP | |
| 9
C4-02 | RIVER ROCK WITH CONCRETE EDGING | |
| 10
C4-02 | FLAG POLE | |
| A
C4-02 | TWO (2) COATS OF ASPHALT SAND SEALCOAT | |
| B
C4-02 | 1.5" MILL & LAP JOINTS WHERE PROPOSED ASPHALT MEETS EXISTING (MINIMUM 18" WIDTH, SEE PLAN FOR LENGTH OF JOINT) | |
| C
C4-02 | ALT. 2: CONCRETE PAD FOR GENERATOR, REFER TO STRUCTURAL AND ELECTRICAL PLANS FOR SIZING | |
| D
C4-02 | SEAT WALL, REFER TO ARCHITECTURAL PLANS | |
| E
C4-02 | WHITE THERMOPLASTIC DIRECTIONAL ARROW, ALIGN WITH EXISTING | |
| F
C4-02 | NEW LOCATION OF EXISTING CISTERN OVER 6" ABC STONE LEVELING PAD | |

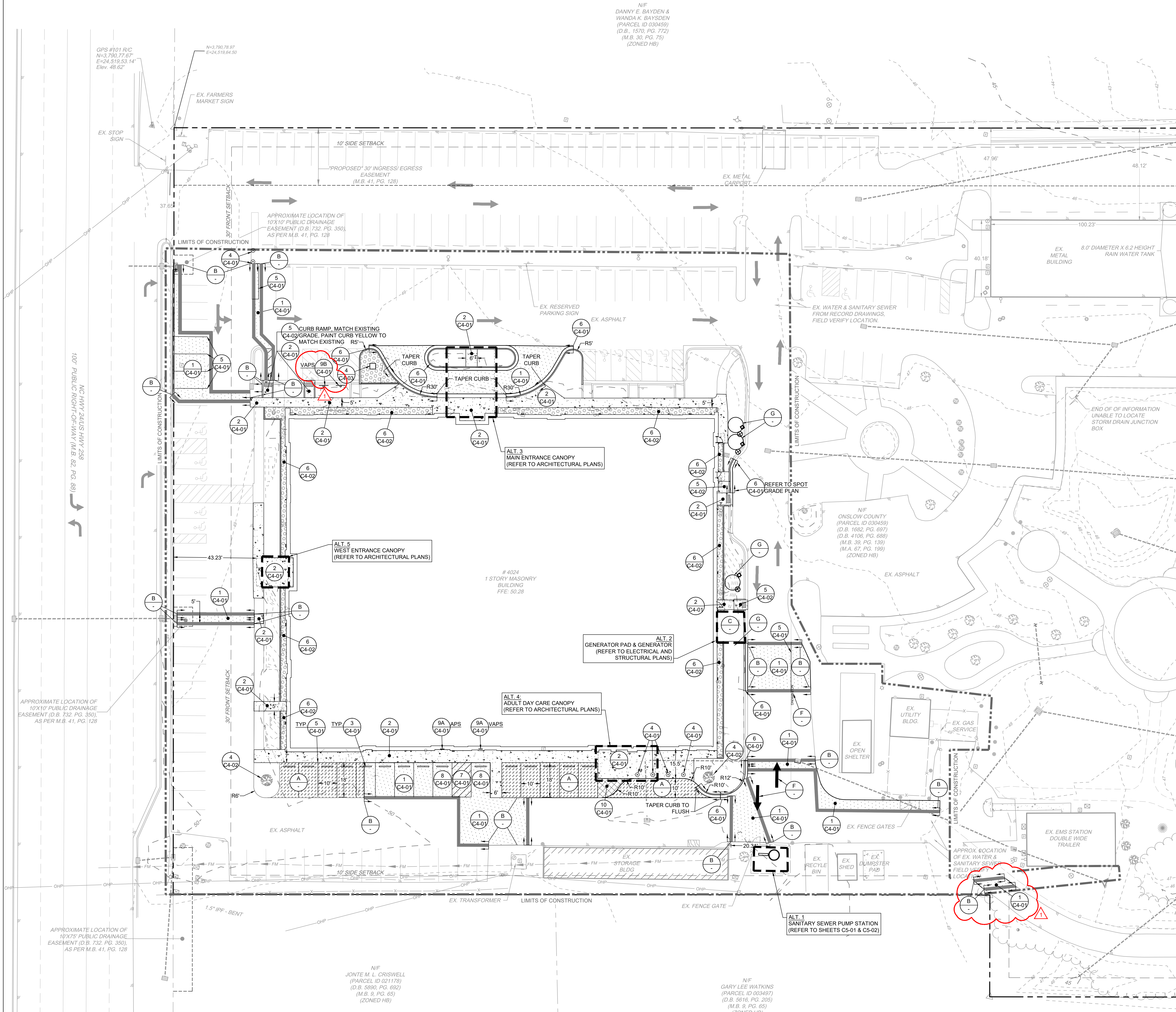
- ### TRAFFIC CONTROL NOTES
1. ALL SITE SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NCDOT STANDARDS.
 2. ALL PAVEMENT MARKINGS SHALL BE 2 COATS ALKYD RESIN TYPE MARKING PAINT.
 3. ALL SIGNAGE SHALL HAVE HIGH INTENSITY PRISMATIC SHEETING.
 4. SIGNS SHALL BE FABRICATED FROM ALUMINUM ALLOY SHEETS.
 5. ALL MOUNTING HARDWARE SHALL BE GALVANIZED.
 6. "VAPS" ON PLANS DENOTES VAN ACCESSIBLE PARKING SIGN. INSTALL R7-8A, R7-8D, & R7-8P.
 7. "APS" ON PLANS DENOTES ACCESSIBLE PARKING SIGN. INSTALL R7-8A & R7-8D ONLY.

STRIPING KEY NOTES

	NCDOT STD.	WIDTH	COLOR
5 C4-01	PARKING STALL AND TRAFFIC STRIPE	1205.07 (STD)	4-IN WHITE
7 C4-01	DIAGONAL STRIPING	1205.01	4-IN WHITE
8 C4-01	ACCESSIBLE PARKING LAYOUT	1205.08	4-IN WHITE

SIGNAGE KEY NOTES

	MUTCD
9A C4-01	WALL-MOUNTED ACCESSIBLE PARKING SIGNAGE R7-8P, R7-8A, R7-8D (PER PLAN & DETAIL)
9B C4-01	ACCESSIBLE PARKING SIGNAGE WITH BOLLARD R7-8P, R7-8A, R7-8D (PER PLAN & DETAIL)



Onslow County Senior Service Center
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

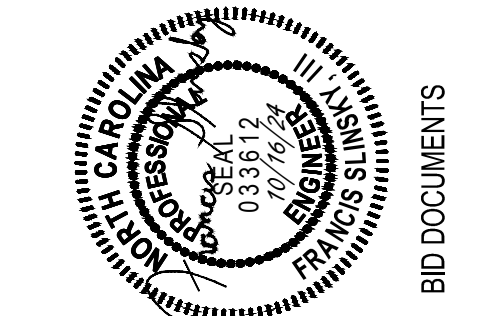
1	11-5-2024	ADDENDUM #1
ID	DATE	DESCRIPTION

DRAWN BY: JL
CHECKED BY: FS

STAKING PLAN

2021029 OCT 16, 2024

C2-01



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Smith Sinnett Architecture, Inc. 2025
THIS DRAWING IS FORWARDED TO BE PRINTED ON 24" X 36" PAPER

Onslow County Senior Service Center
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION
1	11-5-2024	ADDENDUM #1

DRAWN BY: JL
CHECKED BY: FS
**GRADING,
DRAINAGE &
UTILITY PLAN**
2021029 OCT 16, 2024

GRADING GENERAL NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE STATE & LOCAL CODES, AND OSHA STANDARDS.
- OBTAIN OWNERS WRITTEN APPROVAL FOR ANY REQUESTED SHORT-TERM, OFF-HOUR, OR TEMPORARY UTILITY SHUT-DOWNS OR DISRUPTIONS.
- DISPOSE OFF-SITE WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS. IF THE SAME PERSON CONDUCTS THE LAND-DISTURBING ACTIVITY AND ANY RELATED BORROW OR WASTE ACTIVITY, THE RELATED BORROW OR WASTE ACTIVITY IS PART OF THE LAND DISTURBING ACTIVITY. IF THE BORROW OR WASTE ACTIVITY ARE NOT CONDUCTED BY THE SAME PERSON, THEY SHALL BE CONSIDERED SEPARATE LAND DISTURBING ACTIVITY AND MUST BE PERMITTED THROUGH THE SEDIMENT POLLUTION CONTROL ACT.
- REPAIR OR REPLACE ANY ITEMS DAMAGED DUE TO CONSTRUCTION (ONSITE AND/OR OFFSITE) AT NO EXPENSE TO THE OWNER.
- MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT IN ACCORDANCE WITH NCDQF LAND QUALITY REQUIREMENTS AND AS DIRECTED BY THE NCDQF AND THE CIVIL ENGINEER.
- FLUSH ALL SEDIMENT OUT OF STORM DRAINAGE PIPES AND STRUCTURES FOLLOWING SITE STABILIZATION AND AT THE END OF CONSTRUCTION. FLUSH OUT PIPES AS NEEDED THROUGHOUT CONSTRUCTION TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
- IN DISTURBED AREAS, AMEND THE TOP 6 INCHES OF LAWN AREAS WITH 3 INCHES OF IMPORTED AND TESTED TOPSOIL THAT MEETS THE SPECIFICATIONS. SUBMIT DOCUMENTATION ON THE PROPERTIES OF IMPORTED TOPSOIL FOR REVIEW. EXISTING TOPSOIL MAY BE USED IF PROPERLY SCREENED AND AMENDED. REFER TO PLANTING SPECIFICATIONS.
- REMOVE ALL STONES, VEGETATION, AND DEBRIS LARGER THAN 1.5" WITHIN TOP 5" OF FINISH GRADE SURFACE.
- CONTACT OWNER AND CIVIL ENGINEER FOR AN INSPECTION OF FINISH GRADE AND SLOPES PRIOR TO PERMANENT SEEDING. OWNER / CIVIL ENGINEER MUST APPROVE FINISH GRADES PRIOR TO SEEDING.
- ALL ADA RAMP SPACES AND STRIPED AREAS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
- INSTALL ALL STORM SEWERS TO PROVIDE REQUIRED CLEARANCES TO CROSSING UTILITIES AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS.
- ALL PVC PIPING SHALL BE SCHEDULE 40 THICKNESS. USE DUCTILE IRON WHEN COVER IS LESS THAN 24-IN. ADD ADAPTERS AS NECESSARY TO CONNECT SMALLER TO LARGER PIPES.
- USE DUCTILE IRON WHEN COVER IS LESS THAN 24-IN. ADD ADAPTERS AS NECESSARY TO CONNECT SMALLER TO LARGER PIPES.
- INSTALL ADDITIONAL DRAINAGE SWALES IF DIRECTED BY THE CIVIL ENGINEER. LOCALIZED DEPRESSIONS AT DROP INLETS SHALL NOT EXCEED 10:1 SLOPE.
- EXISTING MANHOLES, VALVE BOXES, VAULTS, CLEANOUTS, UTILITY POLES ETC. TO REMAIN WITHIN THE GRADING LIMITS SHALL BE ADJUSTED AS NEEDED TO FUNCTION PROPERTY WITH THE PROPOSED FINISHED GRADES (WHETHER OR NOT INDICATED TO BE MODIFIED).
- THERE IS NO SAFETY FENCING IN THE CONTRACT. THE CONTRACTOR MAY CHOOSE TO INSTALL SAFETY FENCING AS DICTATED BY MEANS AND METHODS AND TO PROTECT EQUIPMENT, HOWEVER THERE WILL BE NO ADDITIONAL PAYMENT FOR SAFETY FENCING.
- REFER TO SHEET C4-02 FOR PERMANENT GRASS SEEDING SCHEDULE. ENSURE GRADES AND SITE ARE READY FOR PERMANENT SEEDING BY THE DATES SHOWN.

UTILITY GENERAL NOTES

- COORDINATE AND SCHEDULE INSTALLATION OF ALL UTILITIES WITH UTILITY COMPANIES.
- VERIFY EXISTING CONDITIONS AND CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY DESIGN PROFESSIONAL IF ANY DISCREPANCIES ARE DISCOVERED.
- METALLIC LINES SHALL BE IDENTIFIED WITH DURABLE PRINTED PLASTIC WARNING TAPES. MINIMUM 3 INCHES WIDE WITH LETTERING TO IDENTIFY BURIED LINE BELOW.
- NON-METALLIC PIPES, OTHER THAN GAS LINES, SHALL BE IDENTIFIED BY DETECTABLE WARNING TAPE. MINIMUM 2 INCHES WIDE, WITH LETTERING TO IDENTIFY BURIED LINE BELOW.
- FOR PLASTIC SEWER PIPING, AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO AND OVER THE FULL LENGTH OF THE PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE AT THE CLEANOUT BETWEEN THE BUILDING DRAIN AND BUILDING SEWER. THE TRACER WIRE SIZE SHALL BE NOT LESS THAN 14 AWG AND THE INSULATION TYPE SHALL BE LISTED FOR DIRECT BURIAL.
- AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO UNDERGROUND NONMETALLIC PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT THE END OF THE NONMETALLIC PIPING. THE TRACER WIRE SIZE SHALL NOT BE LESS THAN 18AWG AND THE INSULATION TYPE SUITABLE FOR DIRECT BURIAL.
- ALL SANITARY SEWER SERVICES SHALL BE 6" PVC (SCH 40) @ 0.04% MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 36-IN.
- INSTALL SEWER MAINS WITH A COVER OF NO LESS THAN 36-IN TO FINISH GRADE IN NON-TRAFFIC AREAS, 48-IN TO FINISH GRADE IN TRAFFIC AREAS.
- SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM VERTICAL CLEARANCE OF 18-IN TO STORM DRAINAGE PIPES. INSTALL ALL UTILITIES TO PROVIDE REQUIRED CLEARANCES AS INDICATED IN THE SPECIFICATIONS.
- PROVIDE VERTICAL BENDS ON WATERLINES THAT CROSS UTILITIES, STORM SEWER, AND SANITARY SEWER IF NECESSARY TO MAINTAIN 18" MIN. VERTICAL SEPARATION.

KEY NOTES

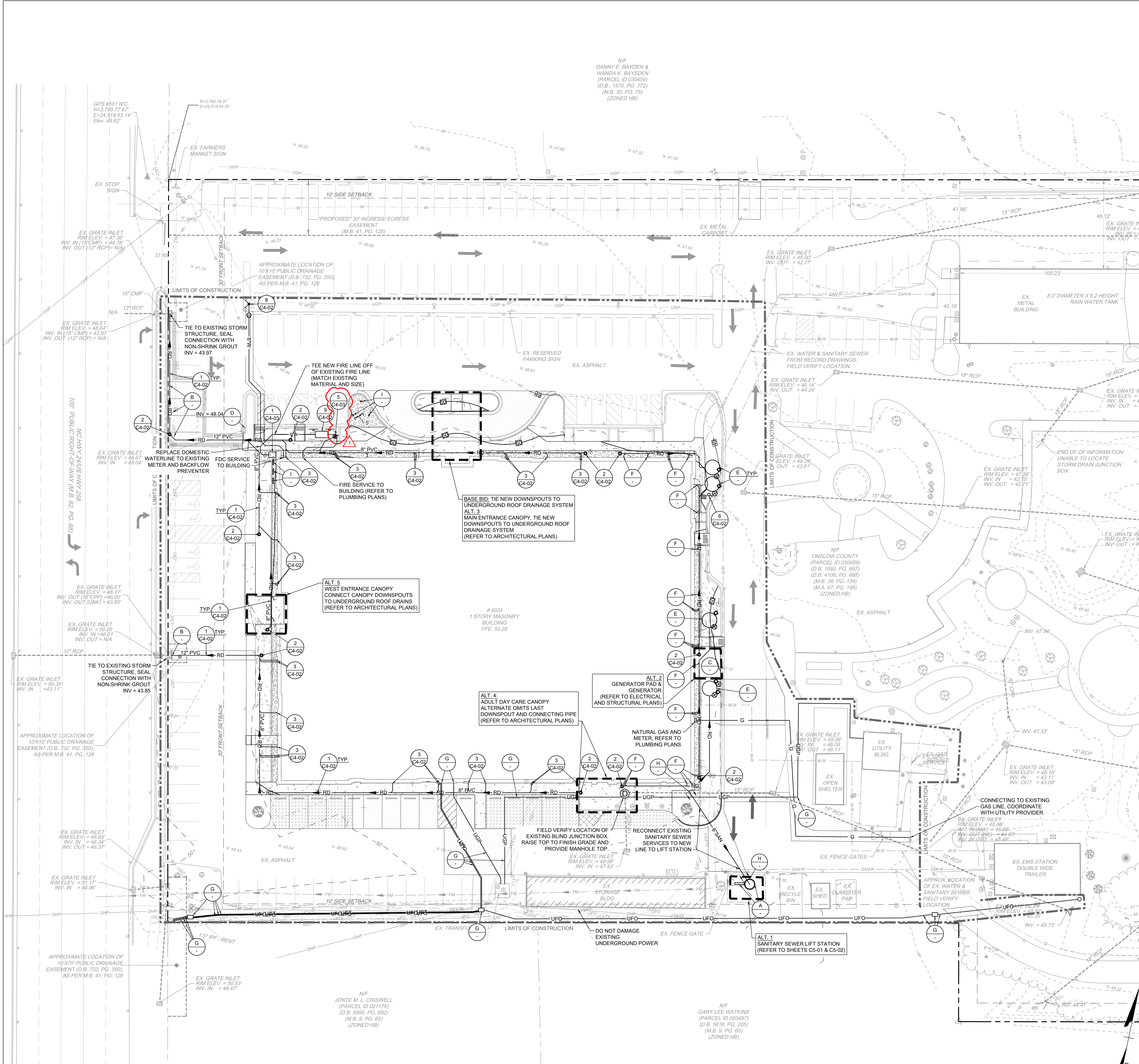
- | | |
|------------|--|
| 1
C4-02 | TRENCH BOTTOM AND BACKFILLING REQUIREMENTS |
| 2
C4-02 | STANDARD CLEANOUT |
| 3
C4-02 | DOWNSPOUT BOOT |
| 6
C4-02 | 3/4" FREEZE PROOF YARD HYDRANT |
| 8
C4-02 | FIRE DEPARTMENT CONNECTION AND WATER MANHOLE |
| 9
C4-02 | 6" RPZ BACKFLOW PREVENTER & HOT BOX |
| 1
C4-03 | HOT BOX FOR BACKFLOW PREVENTER |
| 5
C4-03 | POST INDICATOR VALVE & TAPPING SLEEVE |

ABBREVIATIONS

- | | |
|-------|------------------------------|
| TC | = TOP OF CURB ELEVATION |
| BC | = BOTTOM OF CURB ELEVATION |
| EP | = EDGE OF PAVEMENT ELEVATION |
| FG | = FINISH GROUND ELEVATION |
| FENCE | = FG ELEVATION AT FENCE |
| EG | = EXISTING GROUND ELEVATION |
| RCP | = REINFORCED CONCRETE PIPE |
| DIP | = DUCTILE IRON PIPE |
| PVC | = POLYVINYL CHLORIDE PIPE |
| SCH | = SCHEDULE |
| HP | = HIGH POINT ELEVATION |
| LP | = LOW POINT ELEVATION |
| SW | = SIDEWALK ELEVATION |
| FL | = FLOW LINE |
| TH | = TOP OF HOOD |
| TG | = TOP OF GRATE |
| TL | = TOP OF LID |

LEGEND

	EXISTING	PROPOSED
FENCE	-X-X-	-X-X-
GAS LINE	G	G
POWER LINE	UGP	UGP
TELEPHONE LINE	UGT	UGT
WATER LINE	W	W
SANITARY SEWER LINE	SAN	SAN
CABLE TV LINE	UCATV	UCATV
FIBER OPTIC LINE	UFO	UFO
STORM PIPE	-----	-----
ROOF DRAIN PIPE	RD	RD
CONSTRUCTION LIMITS	---	---
LIGHT POLE	○	○
SITE BOLLARD	⊗	⊗
UTILITY POLE	○	LP
SANITARY SEWER MANHOLE	⊙	⊙
STORM SEWER MANHOLE	⊙	⊙
CLEANOUT (SANITARY OR STORM)	⊙	⊙
DROP INLET	⊙	⊙
FIRE HYDRANT	⊙	⊙
WATER VALVE	⊙	⊙
UTILITY VAULT	⊙	⊙
DRAINAGE STRUCTURE ID:	WV	A1

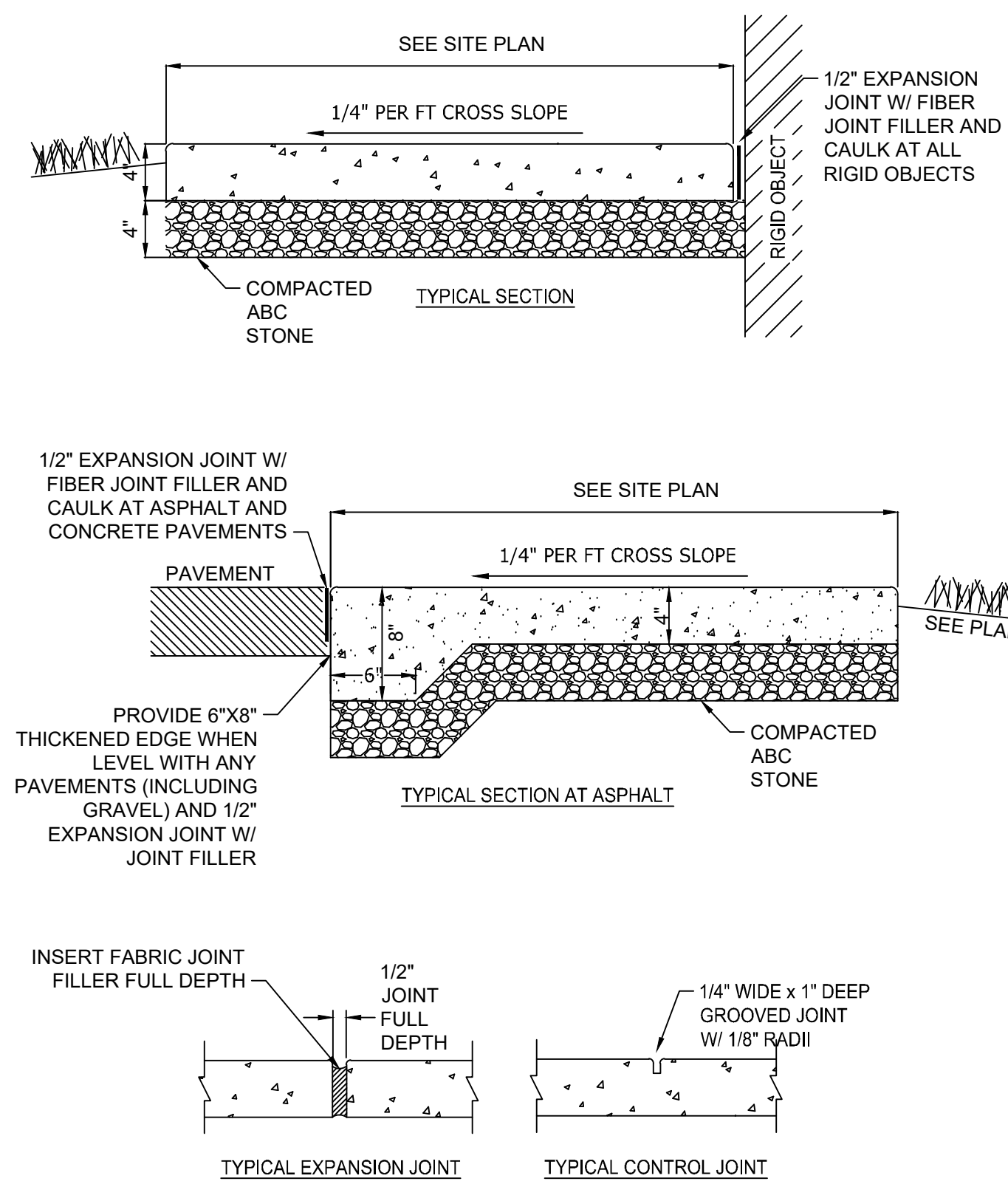


SCALE 1"=20'

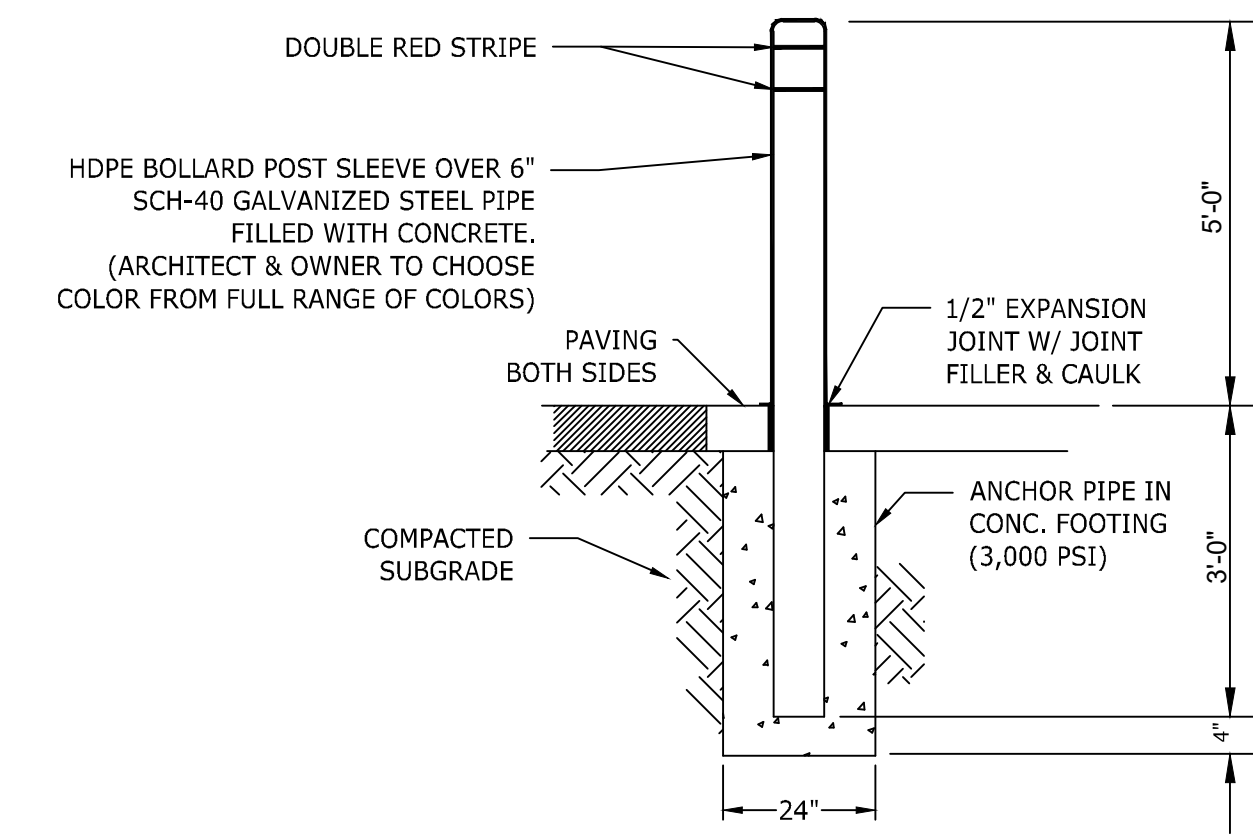
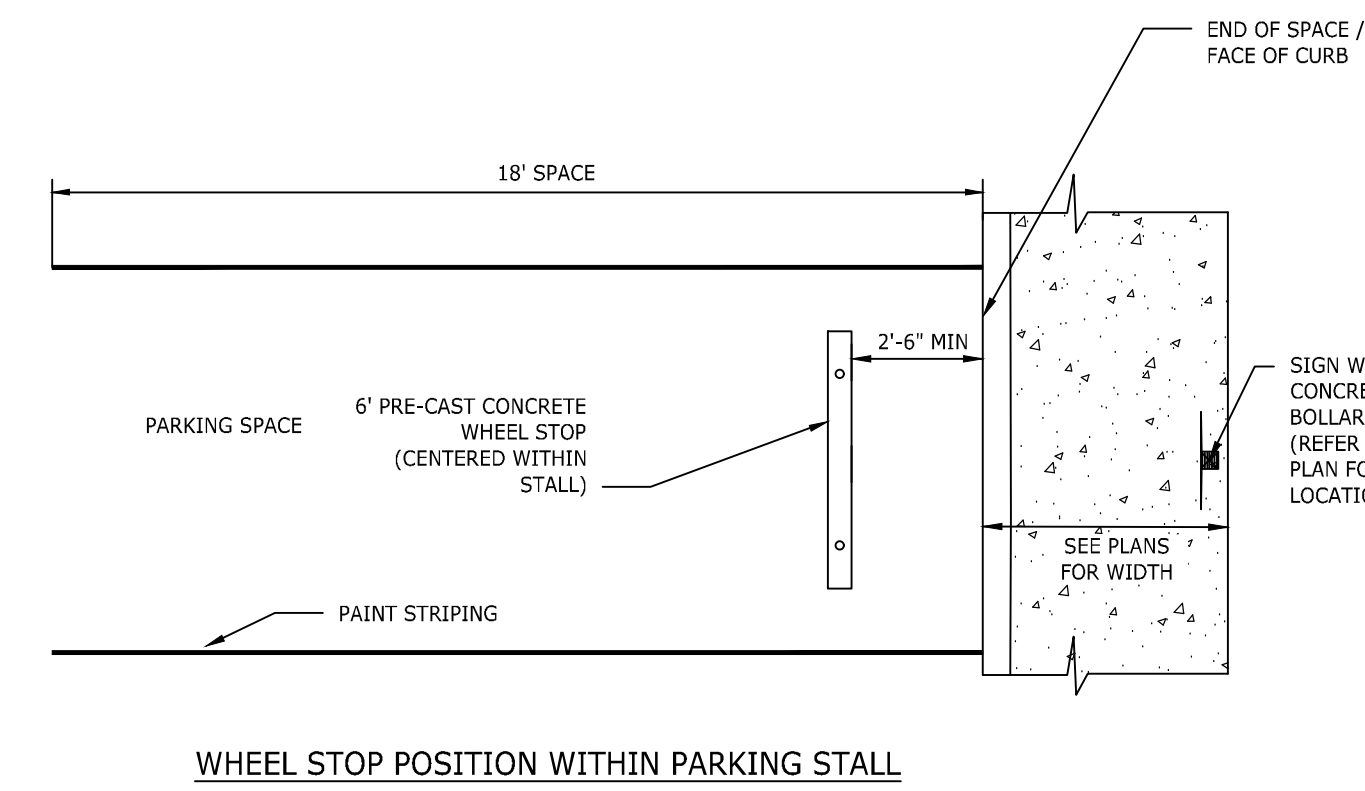
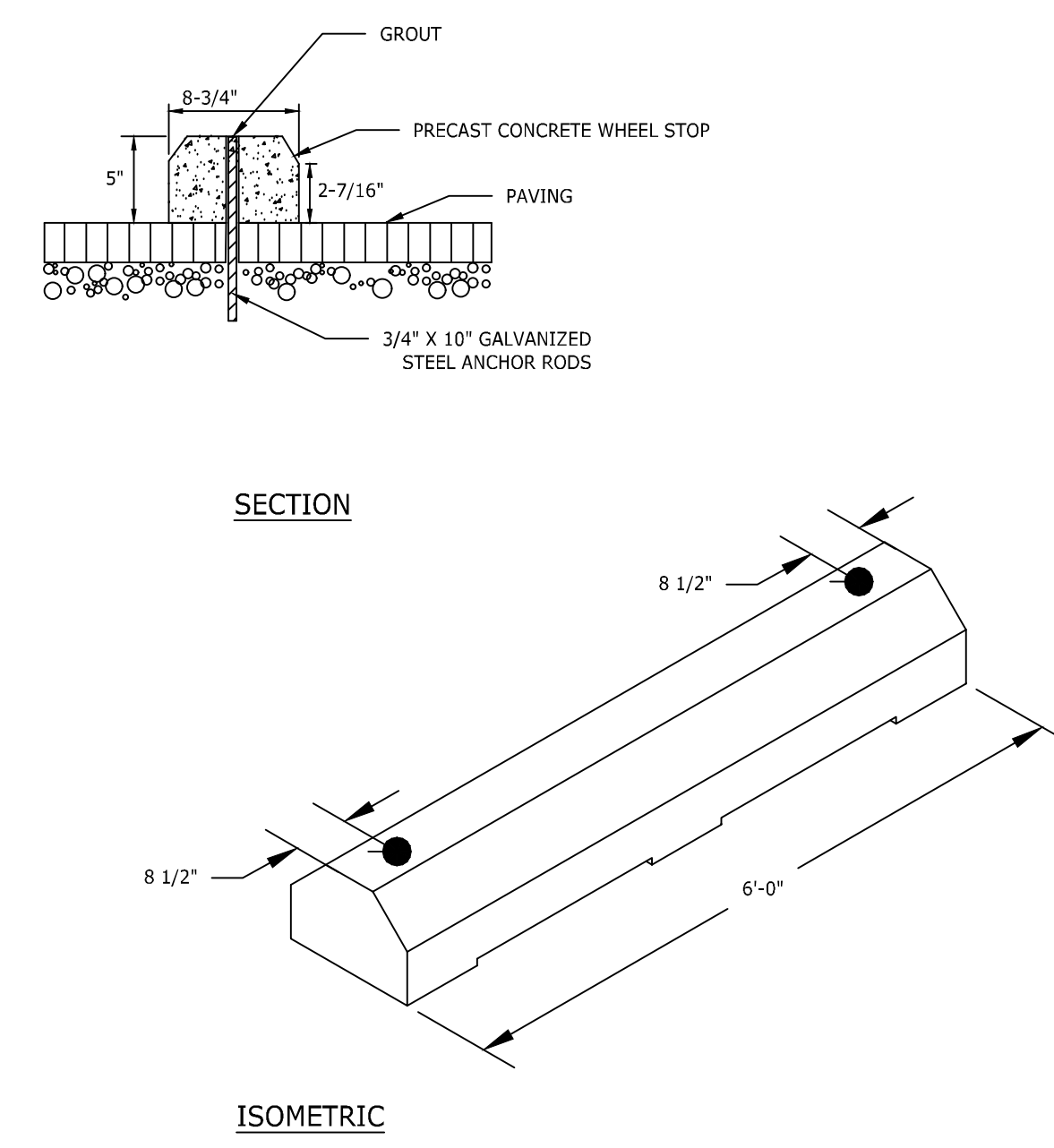
COMPACTION NOTES:
 SUBGRADE AND ABC STONE
 1. COMPACT TO MAXIMUM DRY DENSITY PER ASTM D698 STANDARD PROCTOR AND WITHIN 3% MAXIMUM MOISTURE CONTENT.
 2. COMPACT SUBGRADE SOIL TO 98%
 3. COMPACT ABC STONE TO 100%.
 4. REFER TO SPECIFICATION SECTION 31 10 00 FOR ADDITIONAL INFORMATION.
 ASPHALT
 1. COMPACT ASPHALT TO 92% MAXIMUM SPECIFIC GRAVITY.
 2. REFER TO SPECIFICATION SECTION 32 12 16 FOR ADDITIONAL INFORMATION.

KEYNOTE	1
PATTERN	
CLASSIFICATION	HEAVY DUTY ASPHALT
TYPE S9.5C (2018) SURFACE COURSE	1.5"
TYPE I19.0C (2018) INTERMEDIATE COURSE	3.5"
NCDOT CABC STONE	8"
GEOGRID (SEE ALLOWANCE)	
COMPACTED SUBGRADE	

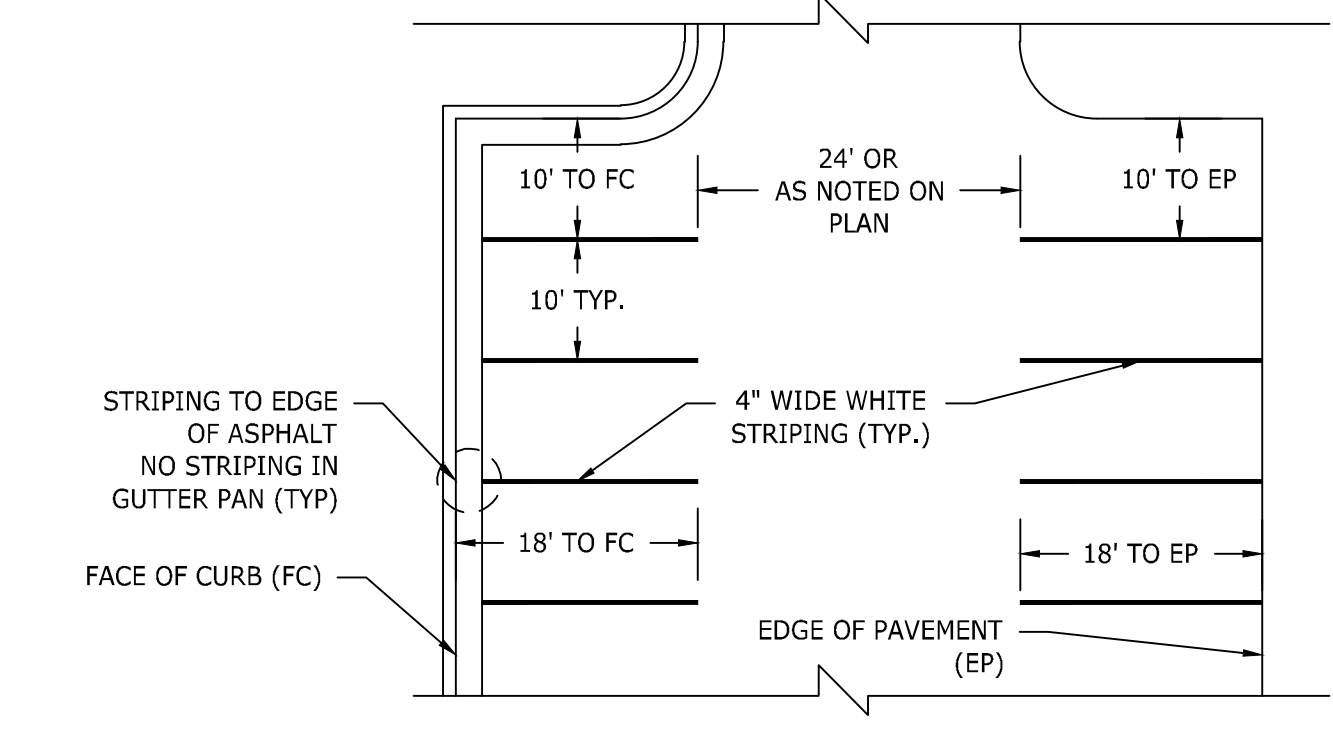
- NOTES:**
- THE CONTRACTOR MAY CHOOSE TO INSTALL INTERMEDIATE COURSES OF PAVEMENT TO STABILIZE THE SITE DURING CONSTRUCTION AT NO ADDITIONAL COST. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ADEQUATE THICKNESS REQUIRED FOR INTERMEDIATE PAVING. INCREASES IN THE DESIGN PAVEMENT SECTION TO FACILITATE INTERMEDIATE PAVING SHALL BE PROVIDED AT NO ADDITIONAL COST.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING PAVEMENT DURING ALL PHASES OF WORK. THE FINAL SURFACE OF PAVEMENT SHALL BE FREE OF ALL DEFECTS OR DAMAGE.
 - CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QC TESTING, PROOF ROLL, AND REQUIREMENTS NOTED IN SPECIFICATIONS.
 - OWNER WILL ACQUIRE 3RD PARTY QC TESTING SERVICES FOR SOILS AND PAVEMENTS.
 - REFER TO SPECIFICATION SECTION 32 12 16 & 31 10 00 FOR ADDITIONAL INFORMATION.



- NOTES:**
- PROVIDE GROOVE CONTROL JOINT 1" DEEP WITH 1/8" RADII IN SIDEWALK AT 5' INTERVALS UNLESS INDICATED OTHERWISE.
 - PROVIDE 1/2" EXPANSION JOINT AT 30' INTERVALS.
 - PROVIDE 1/2" EXPANSION JOINT WHERE THE SIDEWALK ABUTS ANY RIGID STRUCTURE.
 - SEE SPECIFICATIONS FOR ADDITIONAL JOINT SPACING REQUIREMENTS.
 - ALL CONCRETE SIDEWALKS SHALL BE 3,000 P.S.I. MIN. WITH BROOM FINISH.
 - WHERE SIDEWALK ABUTS GRASS OR MULCH, THERE SHALL BE 1.5" OF RELIEF FROM THE TOP OF SIDEWALK TO THE GROUND.
 - FOR PATCHING OF EXISTING SIDEWALK, SAW CUT AT NEAREST JOINTS AND REPLACE ENTIRE PANEL. MATCH EXISTING SIDEWALK WIDTH.



4 6" GALVANIZED STEEL BOLLARD WITH HDPE SLEEVE N.T.S.



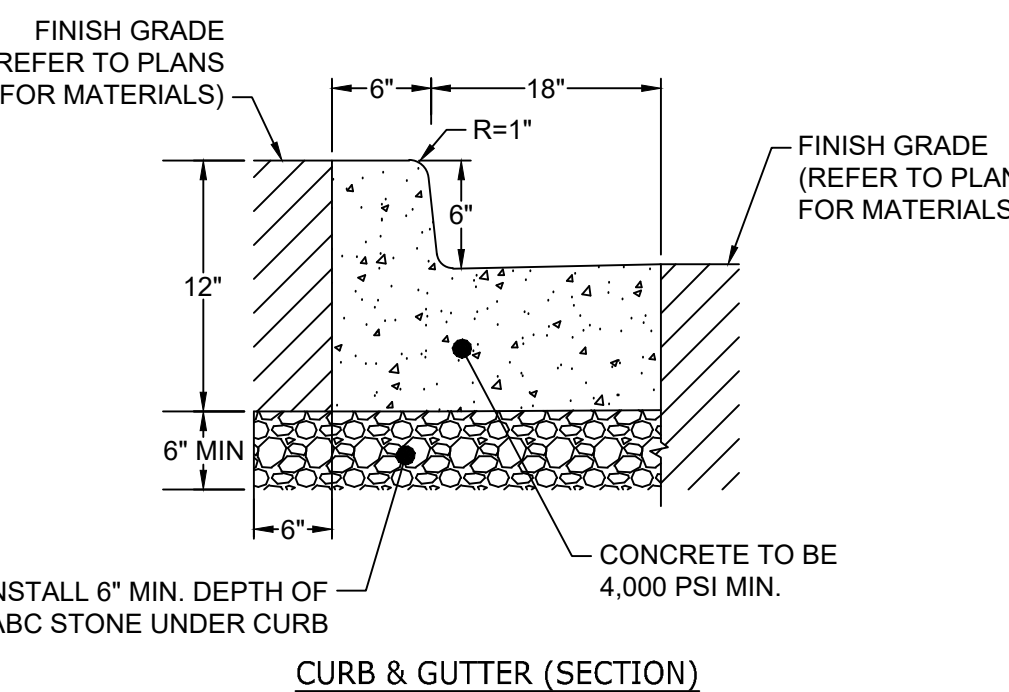
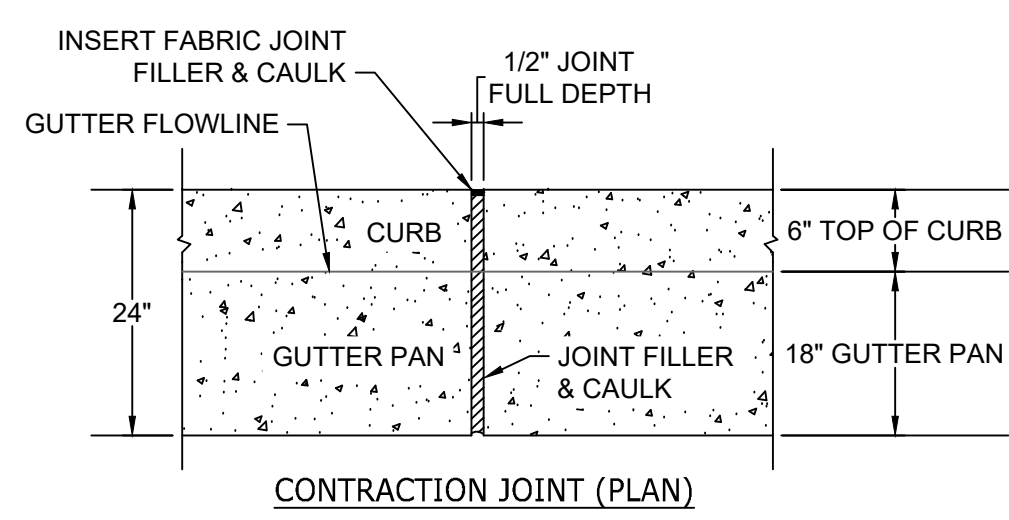
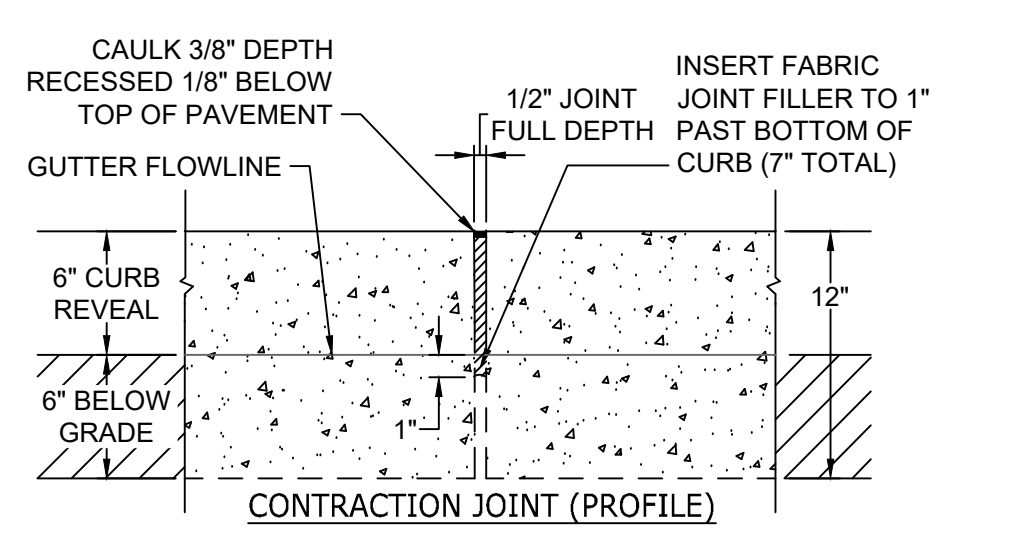
- NOTES:**
- ALL PARKING STALL MARKINGS SHALL BE (2) COATS OF ALKYD RESIN TYPE PAINT, 15 MILLIMETER MIN THICKNESS.
 - FC = FACE OF CURB
 - EP = EDGE OF PAVEMENT

1 HEAVY DUTY ASPHALT PAVEMENT N.T.S.

2 CONCRETE SIDEWALK N.T.S.

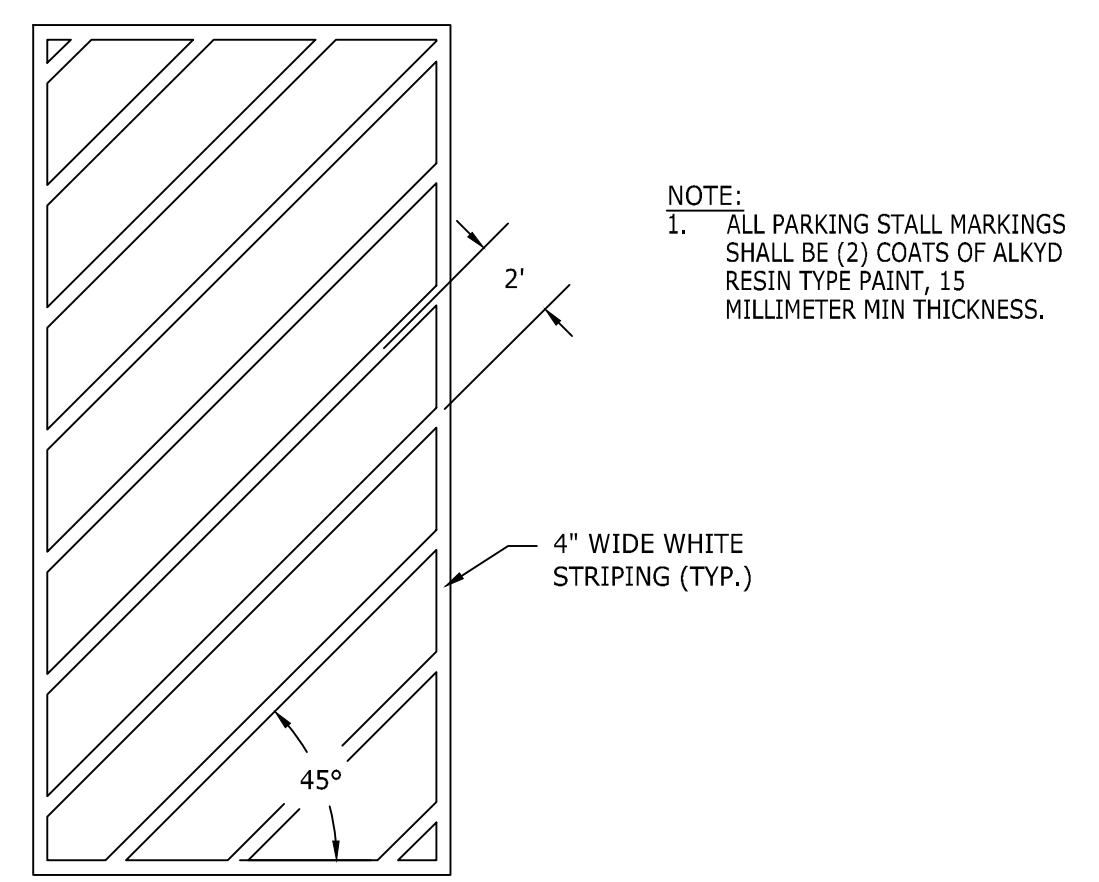
3 PRE-CAST CONCRETE WHEELSTOP N.T.S.

5 PARKING STALL AND TRAFFIC STRIPE N.T.S.

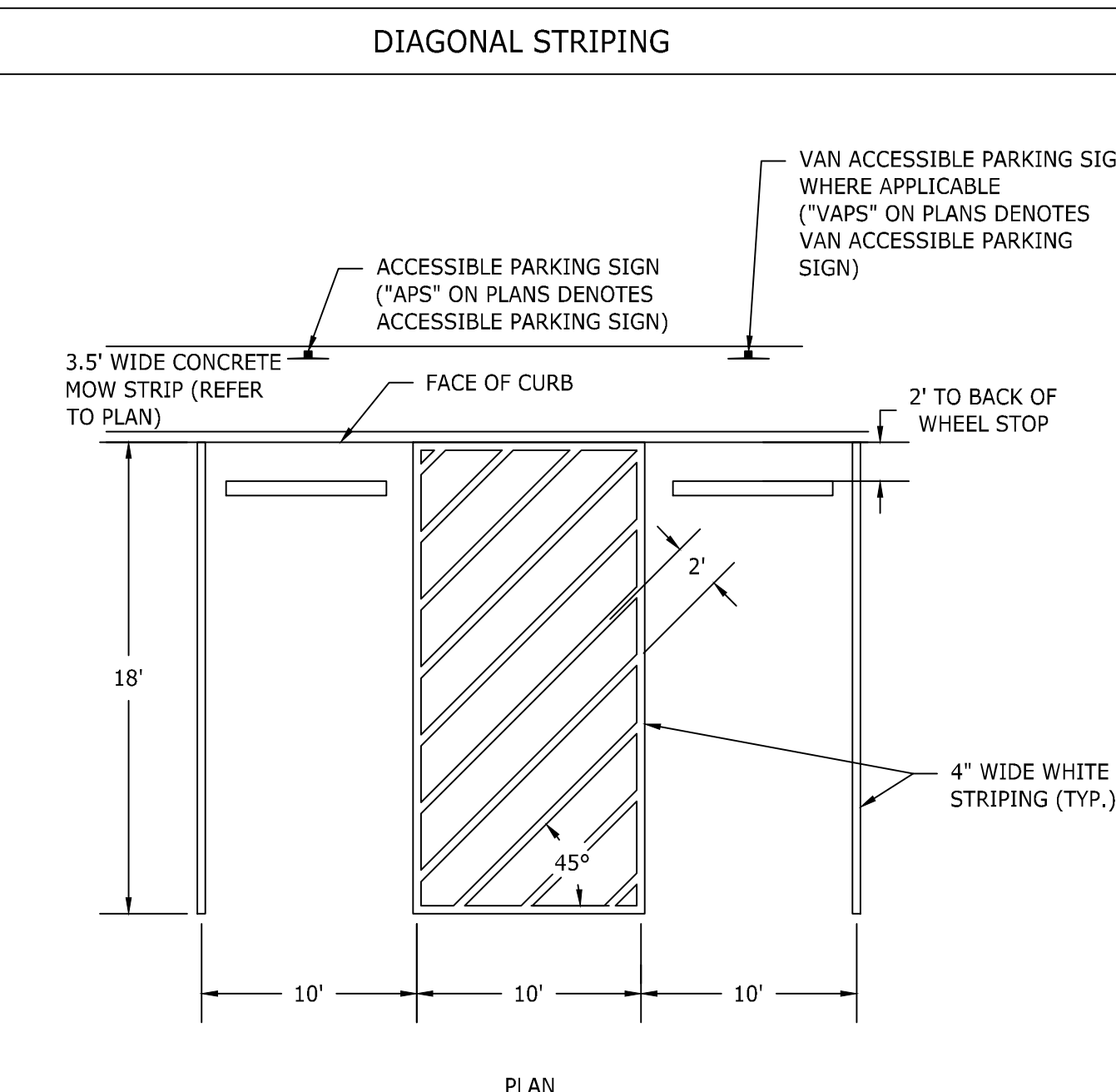


- NOTES:**
- LOCATE CONTRACTION JOINTS 10' MAXIMUM APART IN CURB & GUTTER.
 - INSERT FIBERBOARD STRIPS INTO EACH CONTRACTION JOINT AND TOP WITH CAULK.
 - PROVIDE 1/8" RADIUS ON EACH SIDES OF JOINT.
 - REFER TO SPECIFICATION SECTION 32 13 13 FOR ADDITIONAL INFORMATION.

6 6" CONCRETE CURB & 18" GUTTER N.T.S.



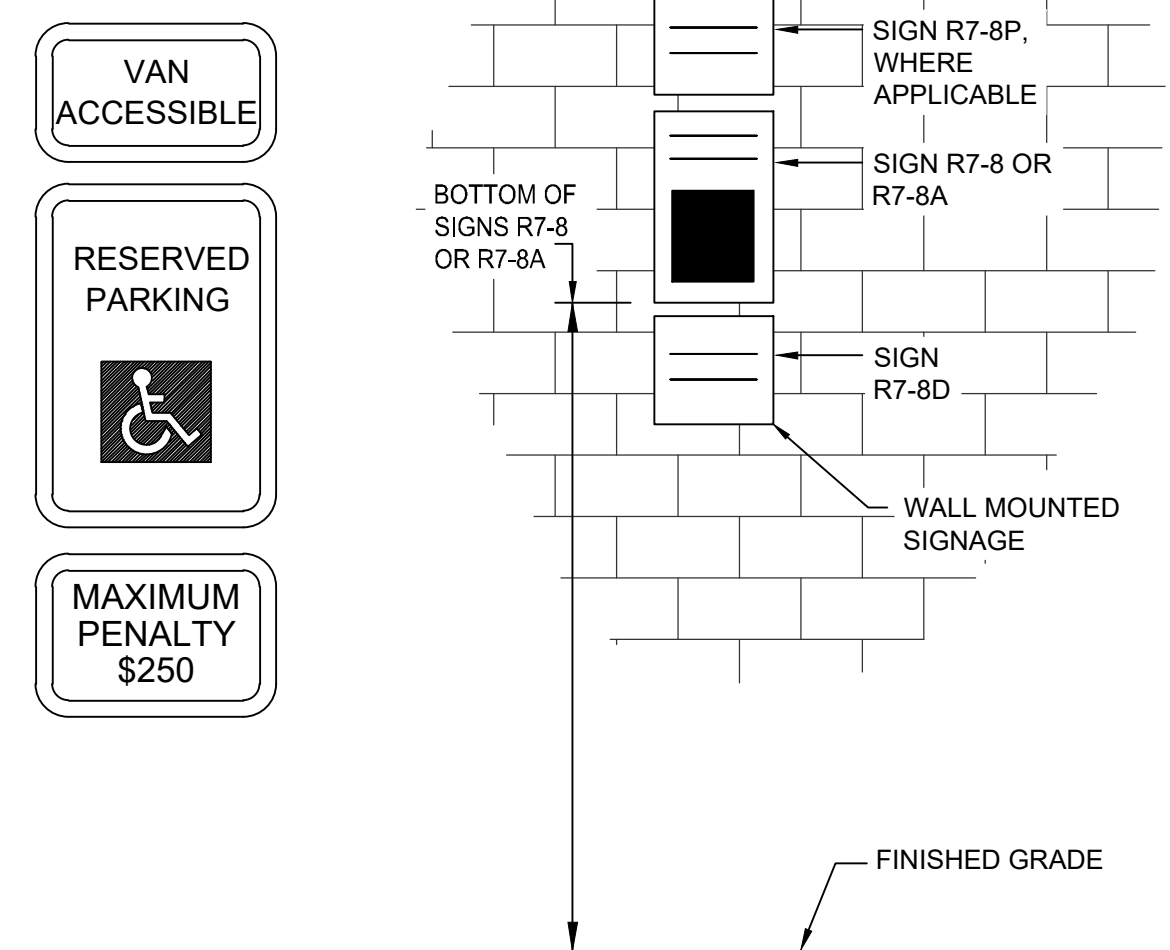
- NOTE:**
- ALL PARKING STALL MARKINGS SHALL BE (2) COATS OF ALKYD RESIN TYPE PAINT, 15 MILLIMETER MIN THICKNESS.



- NOTE:**
- ALL PARKING STALL MARKINGS SHALL BE (2) COATS OF ALKYD RESIN TYPE PAINT, 15 MILLIMETER MIN THICKNESS.

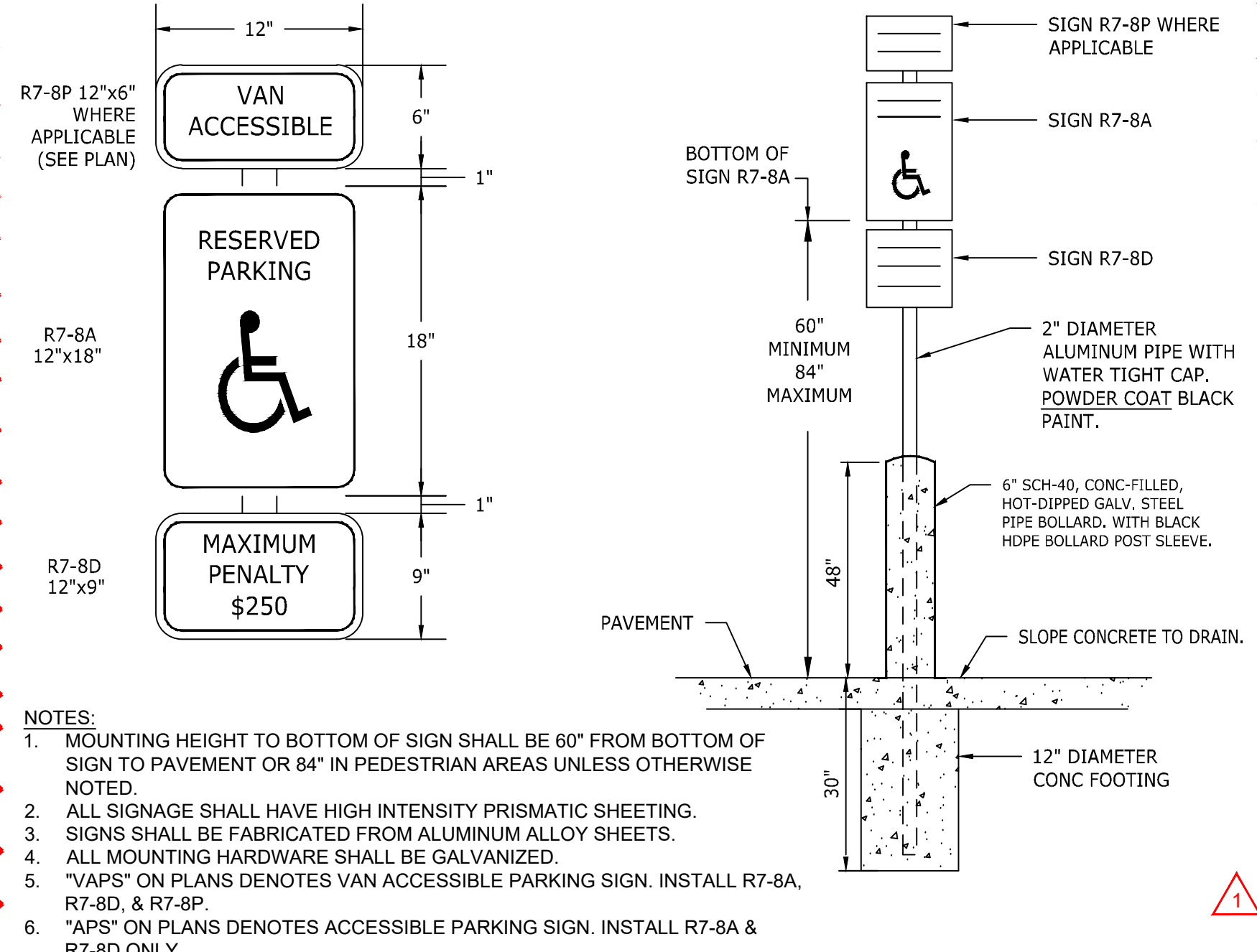
7 DIAGONAL STRIPING N.T.S.

8 ACCESSIBLE PARKING LAYOUT N.T.S.



- NOTES:**
- ALL SIGNS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, NCSBC AND ADA SPECIFICATIONS AND REQUIREMENTS.
 - ONLY INSTALL VAN-ACCESSIBLE SIGN R7-8P WHERE "VAPS" IS SHOWN IN PLAN

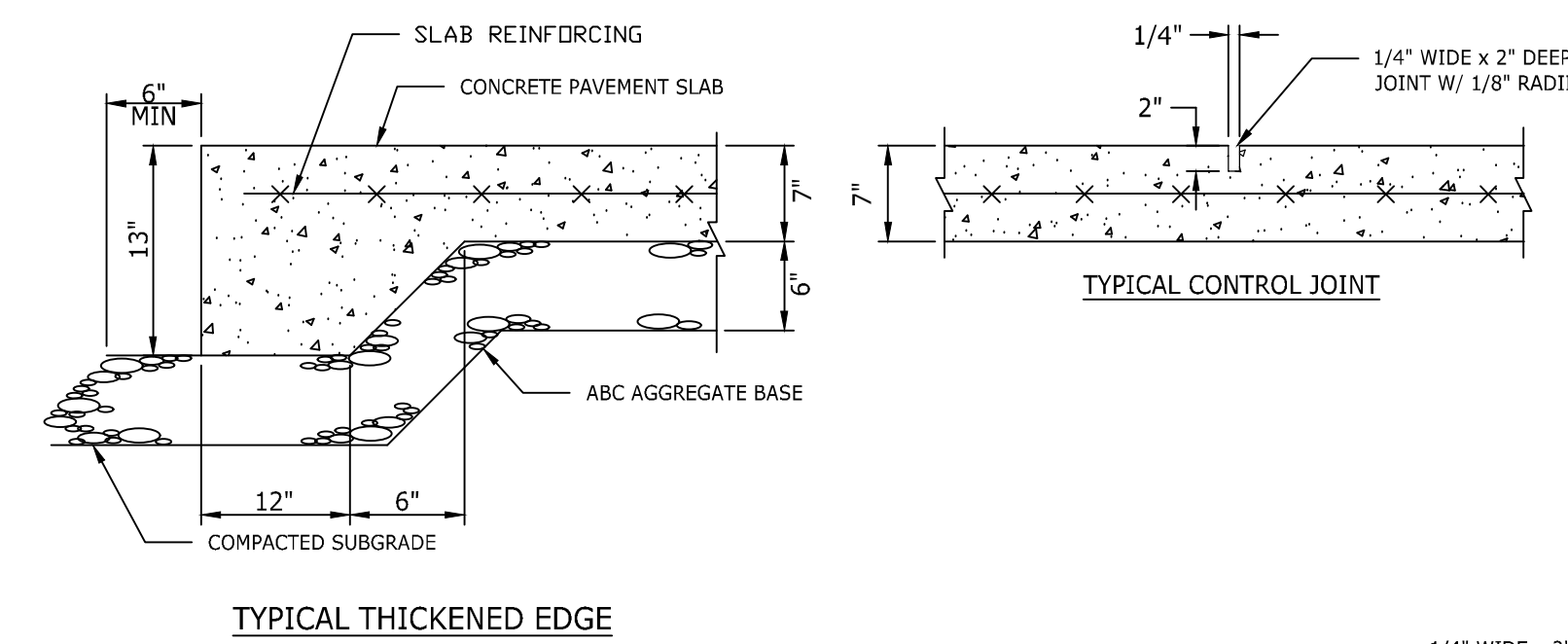
9A WALL-MOUNTED ACCESSIBLE PARKING SIGNAGE



- NOTES:**
- MOUNTING HEIGHT TO BOTTOM OF SIGN SHALL BE 60" FROM BOTTOM OF SIGN TO PAVEMENT OR 84" IN PEDESTRIAN AREAS UNLESS OTHERWISE NOTED.
 - ALL SIGNAGE SHALL HAVE HIGH INTENSITY PRISMATIC SHEETING.
 - SIGNS SHALL BE FABRICATED FROM ALUMINUM ALLOY SHEETS.
 - ALL MOUNTING HARDWARE SHALL BE GALVANIZED.
 - "VAPS" ON PLANS DENOTES VAN ACCESSIBLE PARKING SIGN. INSTALL R7-8A, R7-8D, & R7-8P.
 - "APS" ON PLANS DENOTES ACCESSIBLE PARKING SIGN. INSTALL R7-8A & R7-8D ONLY.

9B ACCESSIBLE PARKING SIGNAGE WITH BOLLARD

9A 9B ACCESSIBLE PARKING SIGNAGE N.T.S.

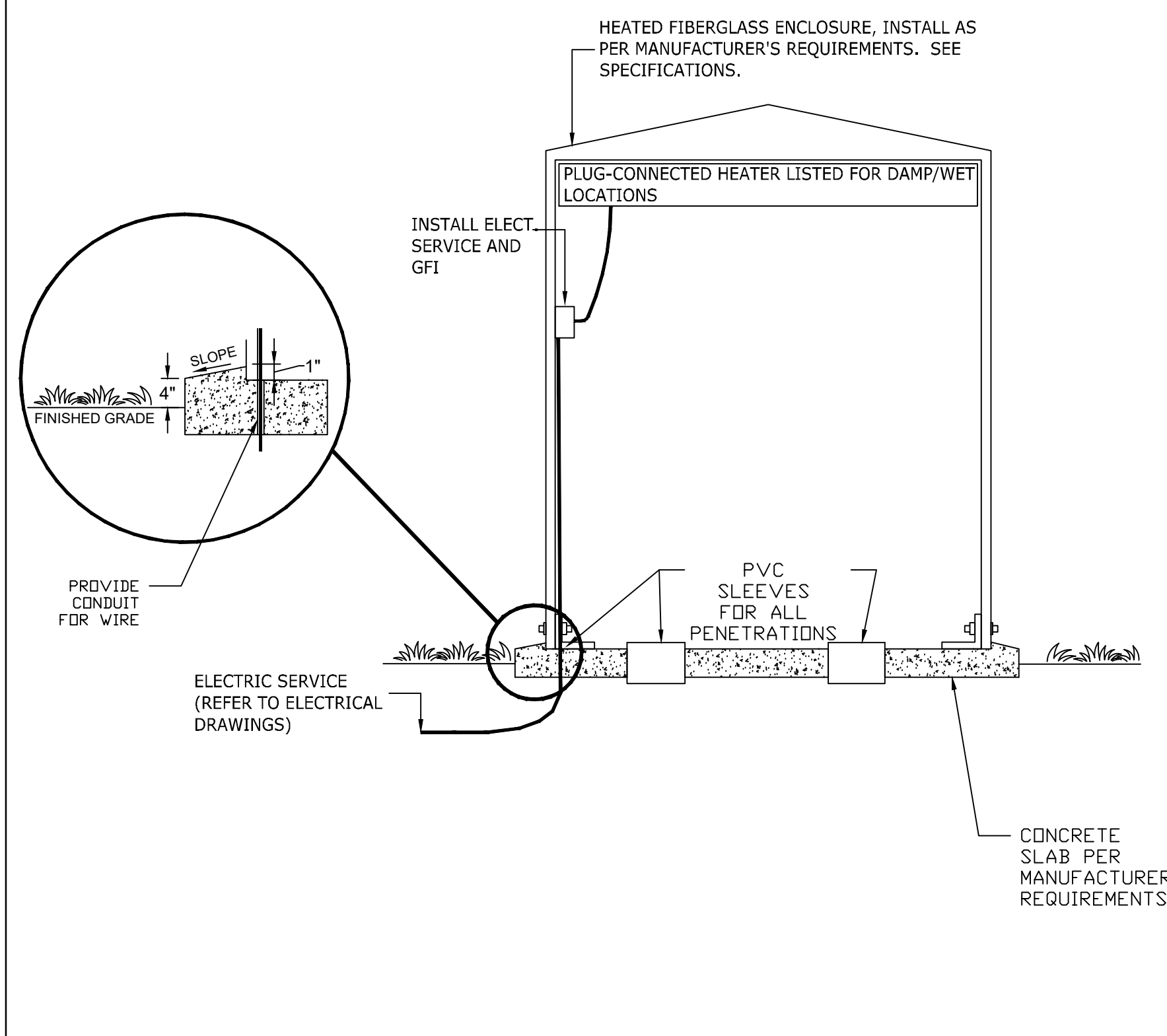


CONCRETE PAVEMENT DIMENSIONS
 CONC SLAB THICKNESS = 7"
 CABC THICKNESS = 6"
 REINFORCEMENT = 6x6 - W2.9xW2.9
 DOWEL RODS = 18" #5 SMOOTH BARS
 GREASED BOTH SIDES

- NOTES:**
- ALL CONCRETE PAVEMENT SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI MIN. (ASTM C39).
 - CONTROL JOINTS SHALL BE SPACED AT 10' O.C.E.W. MAX. OR AS INDICATED ON THE PLAN.
 - EXPANSION JOINTS SHALL BE SPACED AT 30' O.C.E.W. MAX. OR AS INDICATED ON THE PLAN AND WHERE CONCRETE PAVEMENT ABUTS ANY RIGID OBJECT.
 - INSTALL THICKENED EDGES ALONG ALL EDGES / SIDES OF CONCRETE PAVEMENT.
 - O.C.E.W. REFERS TO "ON CENTER EACH WAY".

10 HEAVY DUTY CONCRETE PAVEMENT N.T.S.

ID	DATE	ADDENDUM #1	DESCRIPTION
1	11-5-2024		



- NOTES:
1. SIZE ENCLOSURE AND HEATERS BASED ON SIZE OF THE BACKFLOW PREVENTER PER MANUFACTURER RECOMMENDATIONS.
 2. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS OF BACKFLOW PREVENTER, VALVES, ENCLOSURE, ETC.
 3. HEATING DEVICE AND POWER LINES BY G.C., SHALL BE LISTED FOR DAMP/WET LOCATIONS.
 4. PROVIDE PVC SLEEVES AT ALL PIPE AND WIRE PENETRATIONS OF CONCRETE BASE SLAB.
 5. REFER TO ELECTRICAL PLANS FOR TAMPER SWITCHES AND LOW TEMPERATURE DEVICE INFORMATION.

① HOT BOX FOR BACKFLOW PREVENTER N.T.S.

TEMPORARY SEED SCHEDULE (Aug 15 - May 1)

GRASS SPECIES BLEND	PLANTING RATE	MIN. % PURE SEED	MAX. % WEED SEED
RYE GRAIN	120-LBS PER 1-ACRE	85%	1%
ANNUAL LESPEDEZA (KOBE)	50-LBS PER 1-ACRE		

TEMPORARY SEED SCHEDULE (May 1 - Aug 15)

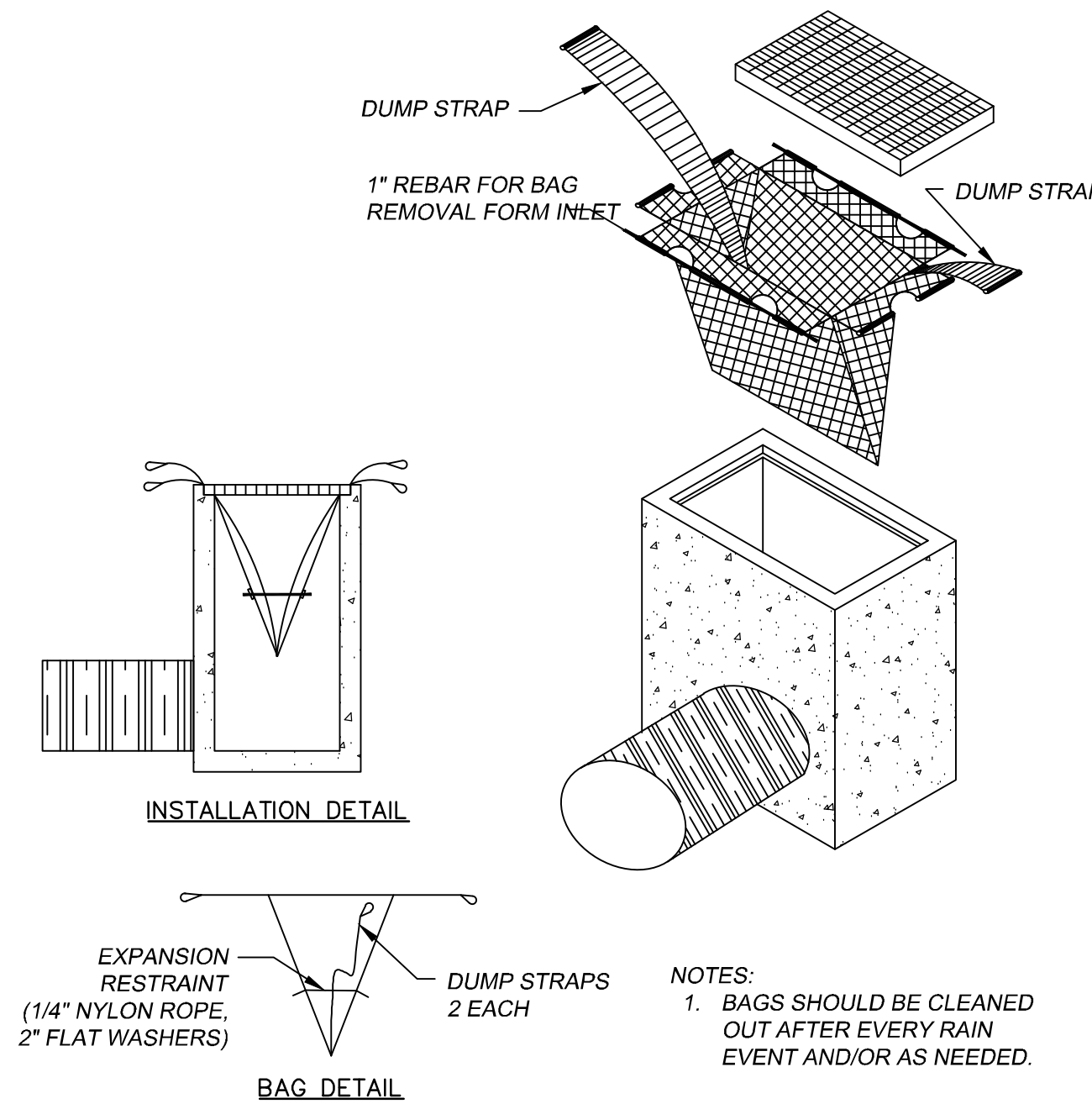
GRASS SPECIES BLEND	PLANTING RATE	MIN. % PURE SEED	MAX. % WEED SEED
GERMAN MILLET	60-LBS PER 1-ACRE	85%	1%

PERMANENT SEED SCHEDULE (MARCH 1 - JULY 31)

GRASS SPECIES BLEND	PLANTING RATE	MIN. % PURE SEED	MAX. % WEED SEED
100% CENTIPEDE GRASS (EREMOCHLOA OPHIUROIDES)	40-LBS PER 1-ACRE	95%	LESS THAN 1%

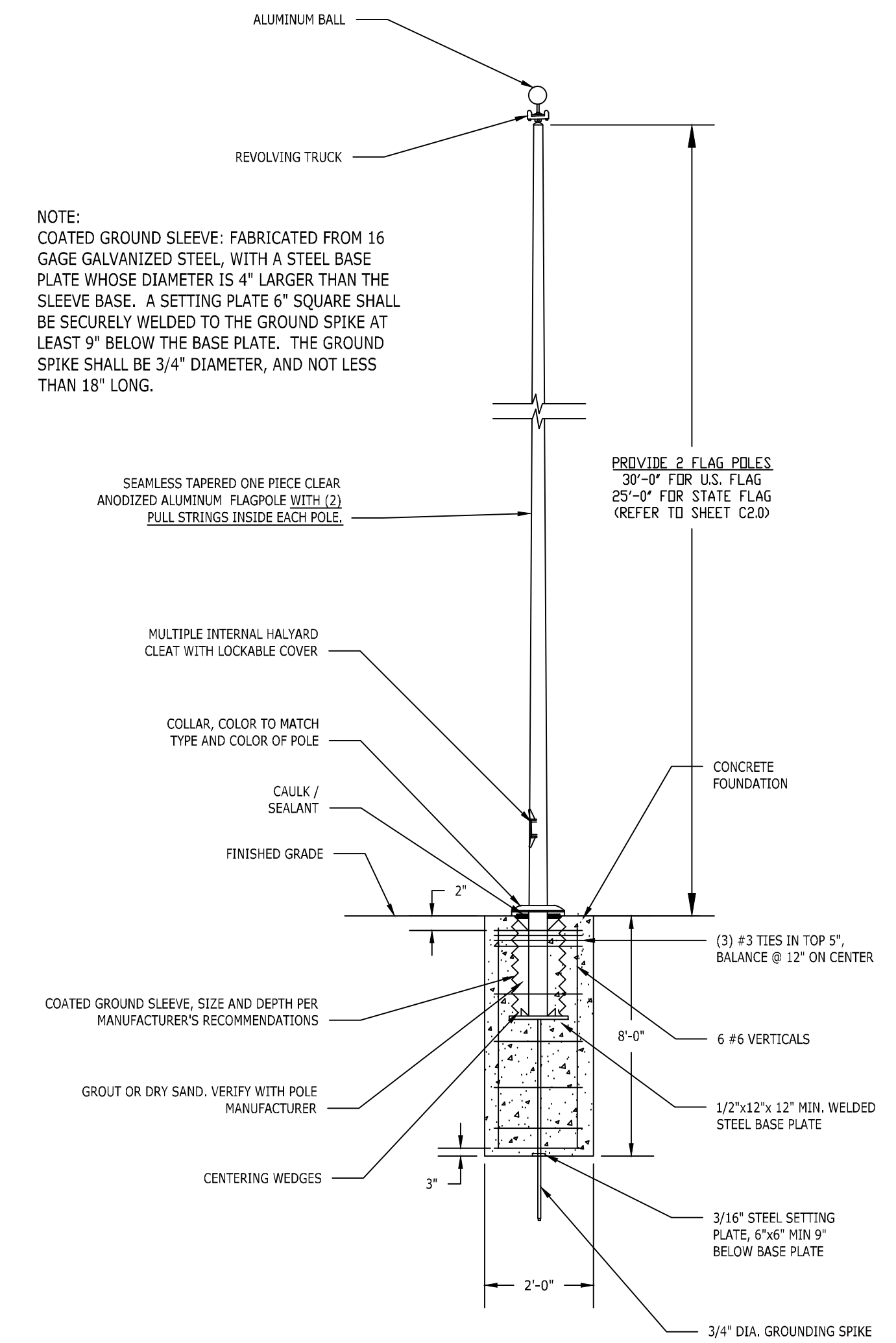
- NOTES:
1. ENSURE SOIL COMPACTION REQUIREMENTS ARE MET PRIOR TO SEEDING. MINIMUM COMPACTION REQUIRED IS 95% OF THE STANDARD PROCTOR DENSITY FOR SLOPES UP TO 5%. MINIMUM COMPACTION REQUIRED IS 90% MAXIMUM DRY DENSITY ELSEWHERE INCLUDING ON SLOPES 4:1 OR STEEPER. REFER TO SPECIFICATION SECTION 31 20 00.
 2. SOIL AMENDMENTS: DO NOT ADD LIME FOR CENTIPEDE GRASS, 750-LBS/ACRE 10-10-10 FERTILIZER TO THE SOIL BEFORE SEEDING.
 3. MULCH: APPLY 4,000-LBS/ACRE STRAW OVER SEED. ANCHOR STRAW MULCH BY CRIMPING INTO TOPSOIL BY SUITABLE MECHANICAL EQUIPMENT.
 4. HYDROSEED ALL SLOPES 3:1 OR STEEPER.
 5. PROTECT SEEDED AREAS 3:1 SLOPE/GRADE OR STEEPER AGAINST EROSION BY PROVIDING EROSION-CONTROL BLANKETS INSTALLED AND STAPLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 6. PROTECT SEEDED AREAS LESS THAN 3:1 SLOPE/GRADE AGAINST EROSION BY SPREADING STRAW MULCH AFTER COMPLETION OF SEEDING OPERATIONS. SPREAD UNIFORMLY AT A MINIMUM RATE OF 2 TONS PER ACRE TO FORM A CONTINUOUS BLANKET 1-1/2 INCHES LOOSE DEPTH OVER SEEDED AREAS. SPREAD BY HAND, BLOWER, OR OTHER SUITABLE EQUIPMENT.
 7. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS AS NEEDED.
 8. SATISFACTORY LAWN: SEEDED LAWNS SHALL BE CONSIDERED SATISFACTORY/ACCEPTABLE PROVIDED REQUIREMENTS, INCLUDING MAINTENANCE, HAVE BEEN MET AND A HEALTHY, UNIFORM, CLOSE STAND OF GRASS IS ESTABLISHED, FREE OF WEEDS, BARE SPOTS EXCEEDING 5 BY 5 INCHES AND SURFACE IRREGULARITIES.

② GRASS SEEDING SCHEDULE AND NOTES N.T.S.

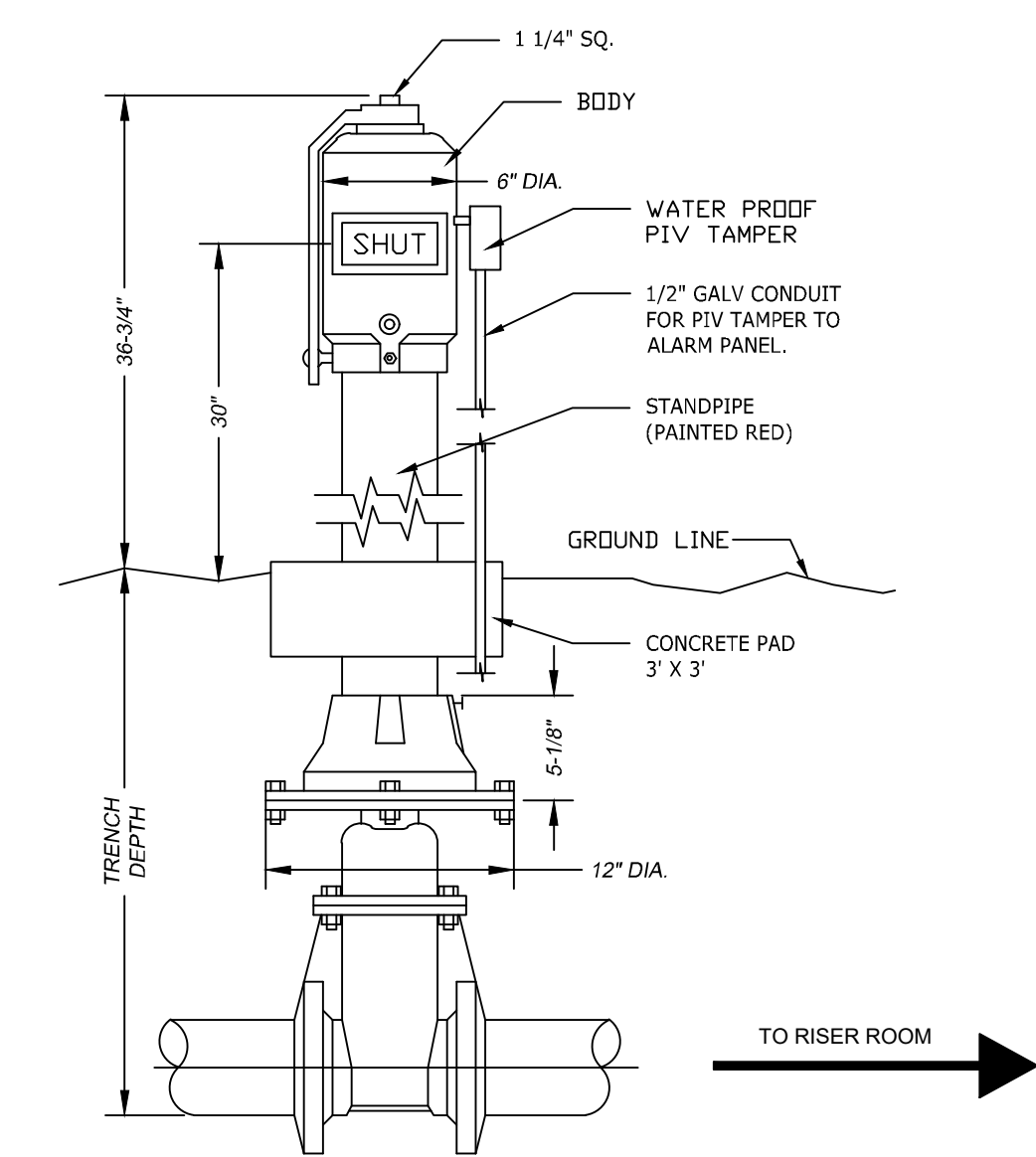


- NOTES:
1. BAGS SHOULD BE CLEANED OUT AFTER EVERY RAIN EVENT AND/OR AS NEEDED.

③ SILT BAG INLET PROTECTION N.T.S.

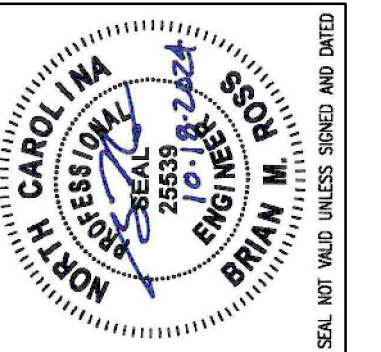


④ FLAG POLE N.T.S.



- FIELD ADJUSTMENT INSTRUCTIONS
1. REMOVE THE BODY FROM THE TOP OF THE INDICATOR POST ASSEMBLY.
 2. CUT THE REQUIRED LENGTH OFF THE BOTTOM OF THE STANDPIPE FOR THE GROUND LINE TO MATCH UP WITH STANDPIPE GROUND LINE MARK.
 3. CUT THE 1\"/>

⑤ POST INDICATOR VALVE & TAPPING SLEEVE N.T.S.



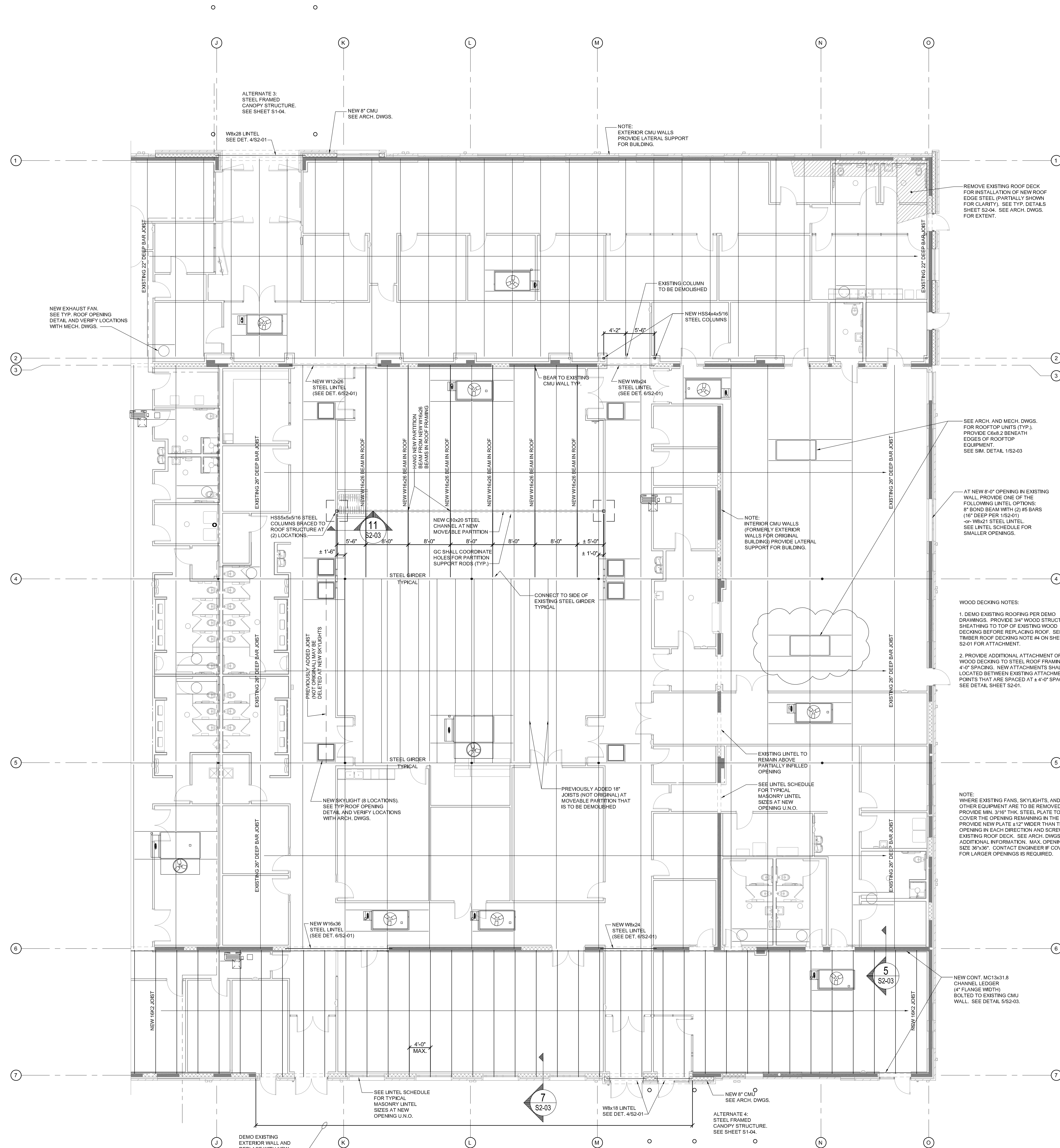
ROSS LINDEN
ENGINEERS PC

100 W. KINGS STREET, RALEIGH, NC 27603
TEL: 919.833.2200 FAX: 919.833.2592
WWW.ROSSLINDEN.COM N.C. LICENSE NO. C-3344

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Renovation
Onslow County Government**
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION
1	11-05-2024	ADDENDUM #1



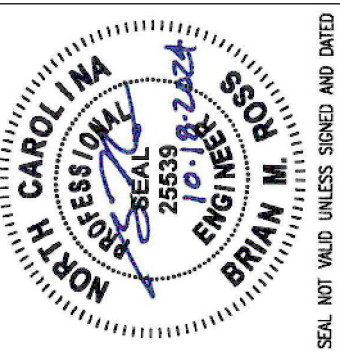
1 STRUCTURAL RENOVATION PLAN - AREA A
S1-01 1/8" = 1'-0"

DRAWN BY: BR
CHECKED BY: BR/JG

**RENOVATION
FRAMING PLAN
AREA A**

C230906 16 OCT. 2024

S1-01



ROSS LINDEN
ENGINEERS PC
100 W. JONES STREET, RALEIGH, NC 27603
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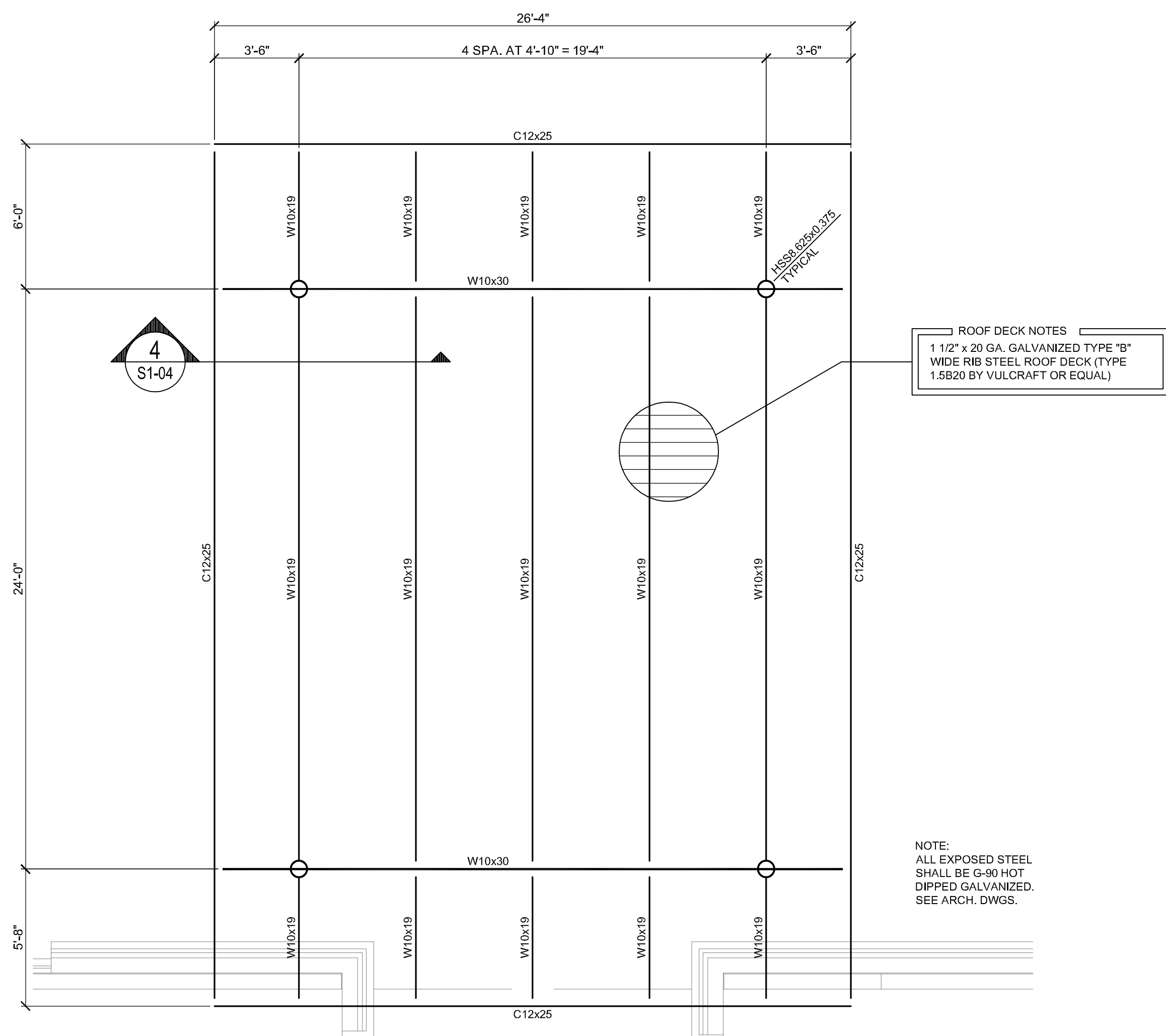
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1	11-05-2024		

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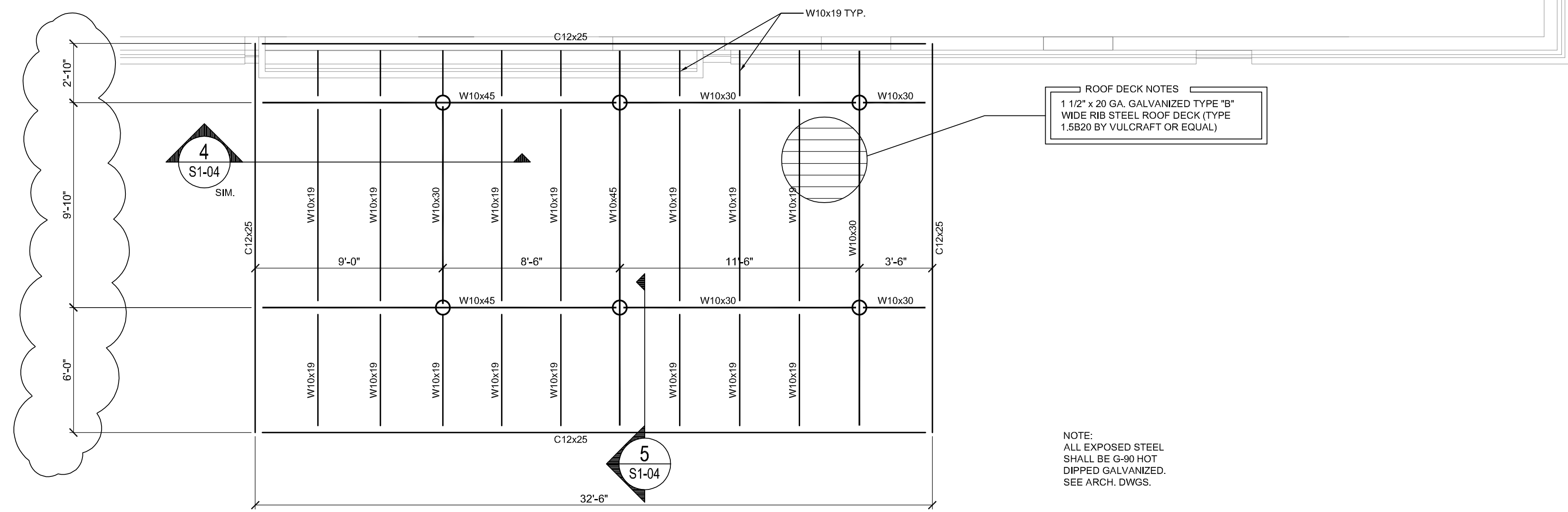
ALTERNATES
3, 4, AND 5
STRUCT. PLANS

C230906 16 OCT. 2024

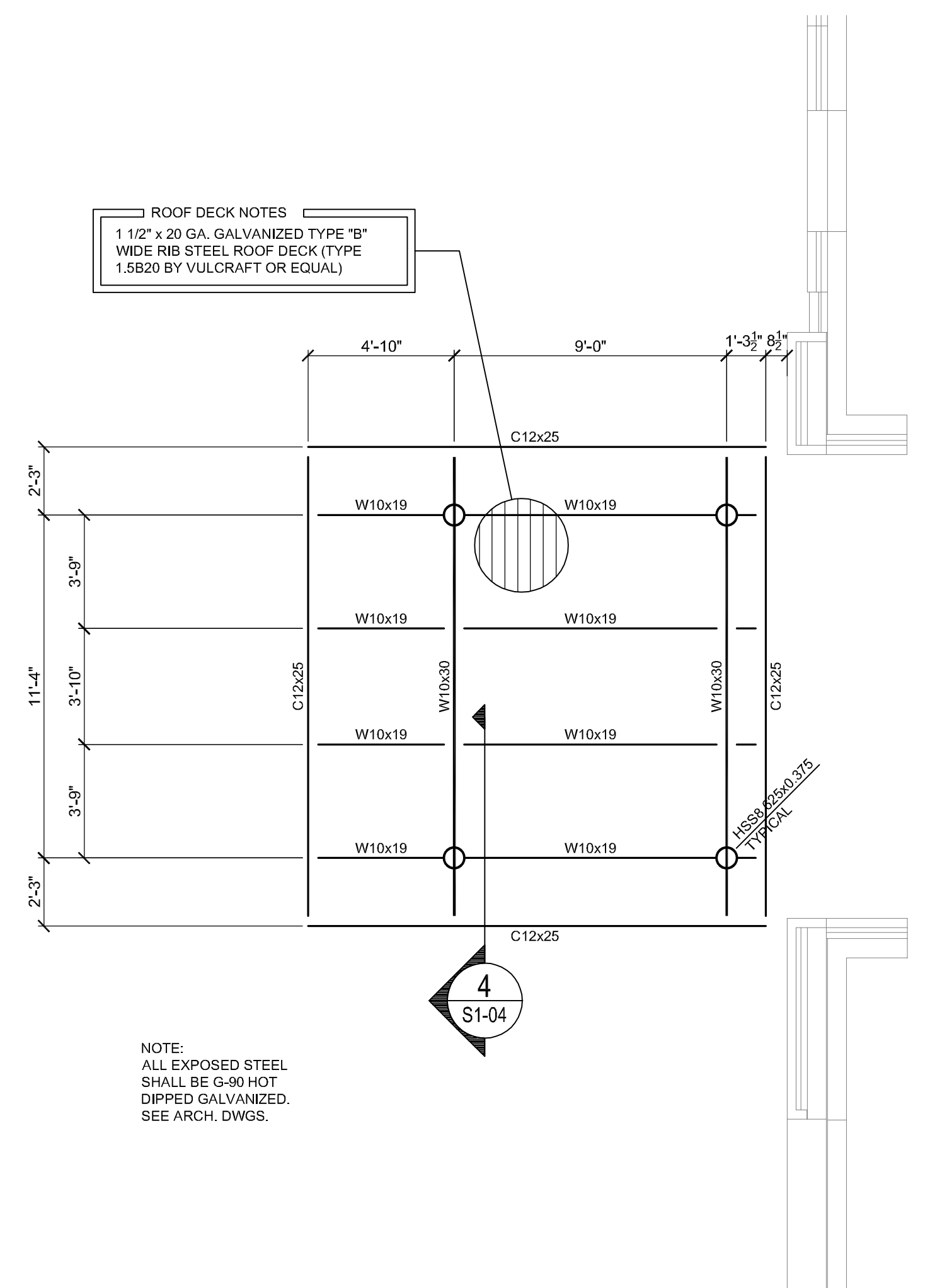
S1-04



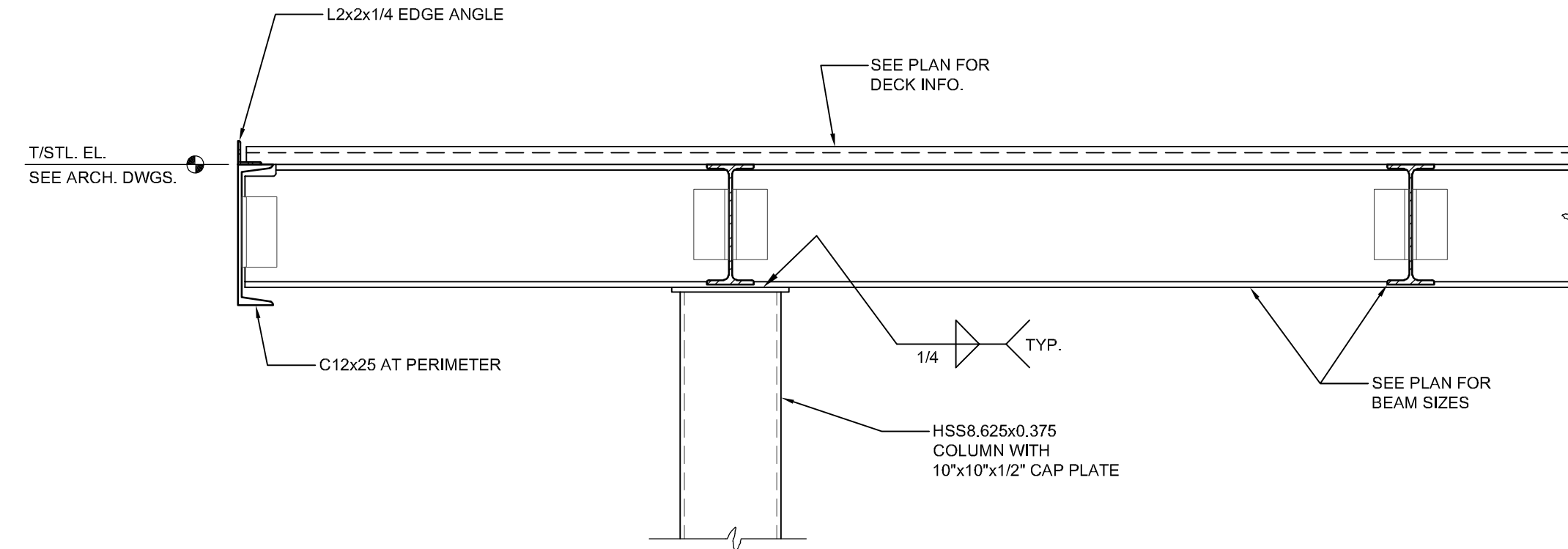
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S1-04
1/4" = 1'-0"



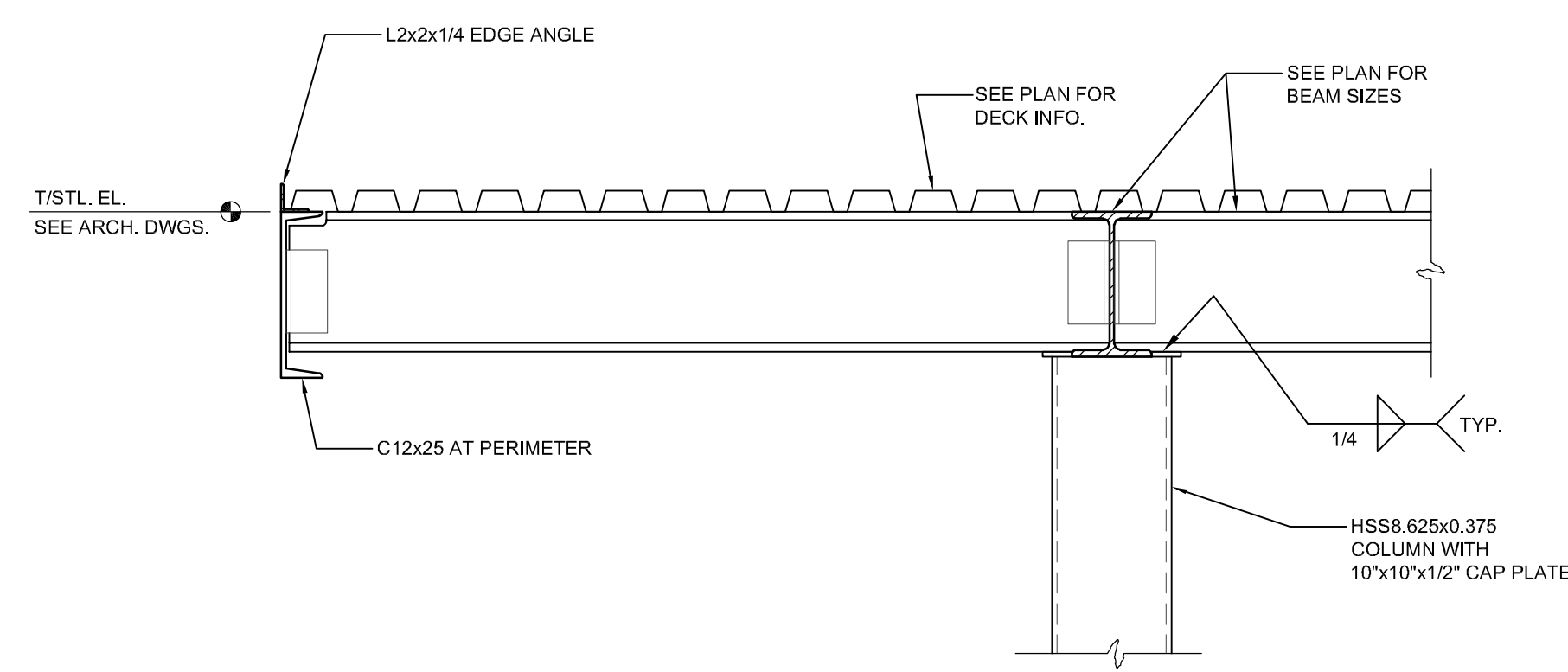
2
S1-04
1/4" = 1'-0"



3
S1-04
1/4" = 1'-0"



4
S1-04
1" = 1'-0"



5
S1-04
1" = 1'-0"

STRUCTURAL NOTES

I. GENERAL

- DESIGN CODES
 - NORTH CAROLINA BUILDING CODE, 2018 EDITION (AMENDED 2015 INTERNATIONAL BUILDING CODE)
 - ACI BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
 - ACI BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530)
 - AISC MANUAL OF STEEL CONSTRUCTION - ALLOWABLE STRESS DESIGN NINTH EDITION
 - ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- DESIGN LOADS
 - RISK CATEGORY II
 - LIVE LOADS: FLOOR: 100 PSF
ROOF: 20 PSF
 - ULTIMATE DESIGN WIND SPEED: 137 MPH
 - GROUND SNOW LOAD 10 PSF
 - $S_s = 0.154$
 - $S_1 = 0.073$
 - SITE CLASS D
 - SEISMIC DESIGN CATEGORY B

- ALL ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR ELEVATION OF 0'-0". SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- DETAILED SHOP DRAWINGS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- ENGINEERS SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY.
- ROSS LINDEN ENGINEERS PC ASSUMES NO LIABILITY FOR CHANGES OR MODIFICATIONS MADE TO THESE DRAWINGS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THESE DRAWINGS.

II. CONCRETE

- UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL HAVE THE FOLLOWING STRENGTH AND SLUMP REQUIREMENTS: 3500 PSI 28-DAY COMPRESSIVE STRENGTH, MAX. 5" SLUMP.
- ALL CONCRETE SHALL BE MOST CURED PER ACI 301 OR CURED WITH AN APPROVED CURING COMPOUND. CONTRACTOR SHALL VERIFY THAT THE CURING COMPOUND IS COMPATIBLE WITH FLOOR COVERING ADHESIVES, COATINGS, OR TOPPING TO BE USED. CONCRETE SHALL BE CURED FOR A MINIMUM OF 7 DAYS.
- UNLESS OTHERWISE NOTED, ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60, DEFORMED.
- UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION, AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315).
- ALL BAR SPLICES SHALL BE CLASS "B" TENSION SPLICES PER ACI 318-08, UNLESS OTHERWISE SHOWN.
- ANCHOR BOLTS TO BE ASTM A36 OR A307.
- CONTRACTOR SHALL REFER TO DRAWINGS OF OTHER TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- ALL SPREAD FOOTINGS BEARING ON NATIVE SOIL OR STRUCTURAL FILL ARE DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 2,500 PSF. A GEOTECHNICAL REPORT BY _____ DATED XX/XX/2024 HAS BEEN USED AS THE BASIS OF THIS DESIGN. A GEOTECHNICAL REPRESENTATIVE SHALL INSPECT ALL FOOTING EXCAVATIONS TO CONFIRM ALLOWABLE BEARING PRESSURES.
- PROVIDE TWO (2) #5 x 4'-0" LONG DIAGONAL BARS IN TOP FACE OF ALL SLABS (1" CLEAR) AT ALL RE-ENTRANT CORNERS. SEE PLAN FOR LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, PROTECTING, AND RELOCATING AS REQUIRED ALL SERVICE AND UTILITY LINES IN VICINITY OF THE WORK SITE.
- CONTRACTOR SHALL VERIFY ALL SIZES AND LOCATIONS OF ALL MECHANICAL AND ELECTRICAL OPENINGS AND EQUIPMENT PADS WITH THE MECHANICAL AND ELECTRICAL DETAILS AND SHOP DRAWINGS BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL OPENINGS AND SLEEVES FOR PROPER DISTRIBUTION FOR ALL UTILITIES THROUGHOUT THE BUILDING.
- ALL DOWELS WHICH ARE TO BE DRILLED AND GROUTED INTO EXISTING CONCRETE SHALL BE DONE WITH AN EPOXY GROUT. DRILL HOLE WITH DIAMETER 1/8" LARGER THAN DOWEL OR AS RECOMMENDED BY GROUT SUPPLIER. USE HIT-RE 500 V3 BY HILTI OR APPROVED EQUAL.

III. MASONRY

- MASONRY CONSTRUCTION SHALL COMPLY WITH ACI 530.1-02/ASCE 6-02: "SPECIFICATION FOR MASONRY STRUCTURES."
- ASSUMED MASONRY PROPERTIES: UNIT COMPRESSIVE STRENGTH 1900 PSI, TYPE S MORTAR, PARTIAL GROUT, RUNNING BOND.
- SEE THE DRAWINGS FOR LINTEL INFORMATION.
- PROVIDE LADDER-TYPE JOINT REINFORCEMENT AT 16" O.C.
- PROVIDE A CONTINUOUS BOND BEAM WITH TWO #5 BARS MINIMUM AT THE TOP OF ALL WALLS AND AT LOCATIONS WHERE A ROOF OR ELEVATED FLOOR IS STRUCTURALLY CONNECTED TO THE WALL.
- PROVIDE CONTINUOUS BOND BEAMS WITH TWO #5 BARS MINIMUM AT A MAXIMUM SPACING OF 6 FEET UNLESS NOTED OTHERWISE ON DRAWINGS.
- WHERE THE WALL IS SUPPORTED ON A SLAB, PROVIDE A CONTINUOUS BOND BEAM WITH TWO #5 BARS MINIMUM AT THE BOTTOM COURSE.
- BOND BEAM BLOCK UNITS SHALL HAVE OPENINGS IN THE BOTTOM TO ALLOW VERTICAL REINFORCEMENT TO PASS. U-BLOCKS SHALL BE USED AT LINTELS ONLY.
- SEE DRAWINGS FOR VERTICAL REINFORCING. THE FOLLOWING MINIMUM VERTICAL REINFORCING SHALL BE IN ADDITION TO REINFORCING SHOWN ON DRAWINGS: ONE #5 BAR AT EACH CORNER, ONE #5 BAR EACH SIDE OF OPENINGS, ONE #5 BAR AT ENDS OF WALLS.
- ALL VERTICAL REINFORCING SHALL BE CONTINUOUS FROM TOP TO BOTTOM OF WALL EXCEPT WHERE INTERRUPTED BY AN OPENING.
- PROVIDE DOWELS INTO FOOTINGS OR SLAB TO MATCH VERTICAL REINFORCING.
- FILL ALL REINFORCED CELLS AND BOND BEAMS WITH 3000 PSI GROUT. PLACE GROUT IN VERTICAL LIFTS NOT EXCEEDING 6 FEET.
- EXPANSION ANCHORS IN MASONRY SHALL BE HILTI KWIK BOLT 3 EXPANSION ANCHORS WITH 3/12" EMBEDMENT INTO GROUT-FILLED CMU. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

IV. STRUCTURAL STEEL

- SEE FRAMING PLANS FOR BOTTOM OF BASE PLATE ELEVATIONS.
- ALL STRUCTURAL STEEL WIDE FLANGE BEAMS AND COLUMNS, UNLESS NOTED, SHALL CONFORM TO THE REQUIREMENTS OF ASTM A992 OR ASTM A572, GRADE 50. ANGLES AND CHANNELS SHALL CONFORM TO ASTM A36. TUBES SHALL CONFORM TO ASTM A500, GRADE B.
- ALL DETAILING, FABRICATION, AND ERECTION OF STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SPECIFICATIONS FOR BUILDINGS, LATEST EDITION.
- UNLESS OTHERWISE NOTED, ALL SHOP CONNECTIONS SHALL BE MADE BY WELDING OR HIGH STRENGTH BOLTING. (3/4" DIAMETER BOLTS, MINIMUM)
- WELDS SHALL BE MADE WITH E-70XX ELECTRODES BY CERTIFIED WELDERS.
- UNLESS OTHERWISE NOTED, ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER HIGH STRENGTH BOLTS (ASTM A-325). CONNECTIONS SHALL BE DESIGNED AS BEARING TYPE WITH THREADS IN SHEAR PLANE. BOLTS SHALL BE TIGHTENED TO THE SNUG TIGHT CONDITION PER "AISC" UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- UNLESS OTHERWISE SHOWN, ALL BEAM CONNECTIONS SHALL BE STANDARD FRAMED OR SEATED CONNECTIONS AS SHOWN IN PART 10 OF THE AISC MANUAL OF STEEL CONSTRUCTION. CONNECTIONS SHALL BE ABLE TO SUPPORT A MINIMUM BEAM REACTION OF 5.0 kips UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- GUSSET PLATES SHALL BE 3/8" THICK MINIMUM.
- ALL COLUMN ANCHOR BOLT HOLES TO BE OVERSIZED IN ACCORDANCE WITH RECOMMENDATIONS OF "AISC" MANUAL FOR "DETAILING FOR STEEL CONSTRUCTION".
- CONTRACTOR TO PROVIDE ADEQUATE BRACING FOR STRUCTURE SO THAT IT WILL BE STABLE DURING ALL STAGES OF CONSTRUCTION. THE STRUCTURE AND FOUNDATIONS ARE DESIGNED FOR A COMPLETED CONDITION ONLY AND THEREFORE REQUIRES ADDITIONAL SUPPORT TO MAINTAIN STABILITY BEFORE COMPLETION.
- ALL EXPOSED STEEL SHALL BE G-90 HOT DIPPED GALVANIZED.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS WHERE STEEL IS TO BE EXPOSED.

V. STEEL JOISTS

- UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE DESIGN, FABRICATION, AND ERECTION OF STEEL JOISTS SHALL CONFORM TO THE SPECIFICATIONS AND CODE OF STANDARD PRACTICE OF THE STEEL JOIST INSTITUTE.
- JOIST BRIDGING SHALL BE INSTALLED IN ACCORDANCE WITH SJI SPECIFICATIONS AND SHALL HAVE ENDS OF RUNS CROSSED AND FIRMLY ATTACHED TO STEEL BEAMS OR MASONRY.
- DESIGN JOISTS FOR 15 PSF NET UPLIFT.

VI. METAL ROOF DECK

- METAL ROOF DECK SHALL BE 1/2" DEEP x 20 GAGE (EQUAL TO 1.5820 BY VULCRAFT). PROVIDE 5/8" PUDDLE WELDS IN A 364 PATTERN WITH MIN. (2) SIDELAP FASTENERS PER SPAN (10" W/ SCREWS).

VII. WOOD

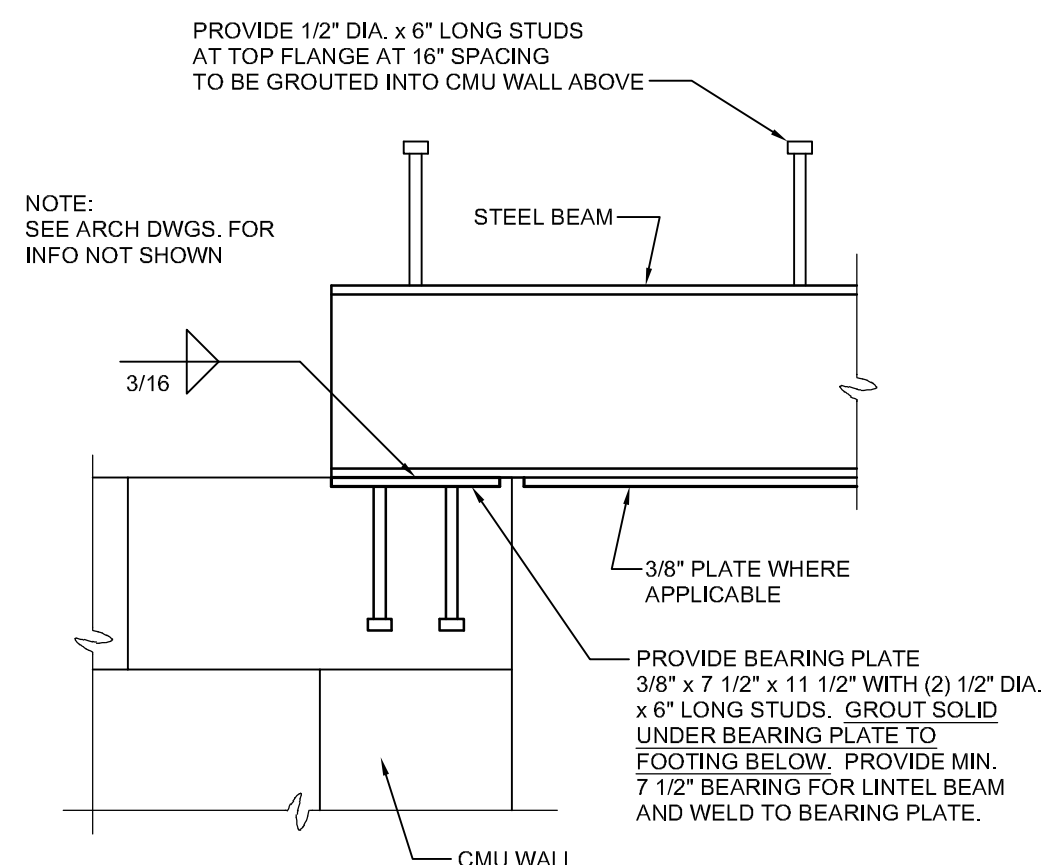
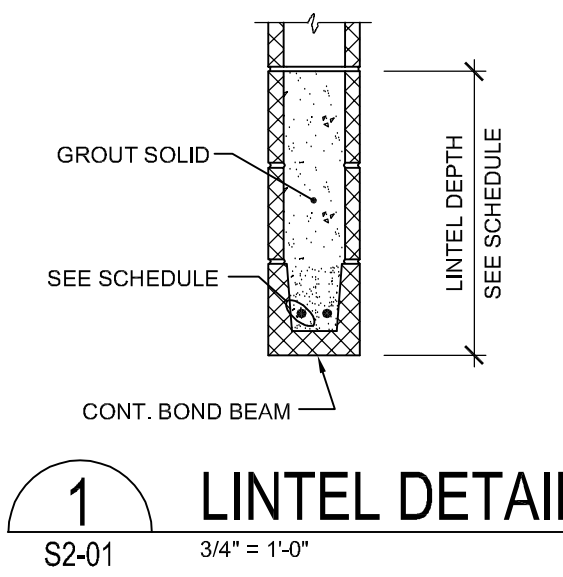
- FRAMING LUMBER SHALL BE #2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING DESIGN PROPERTIES: F_b = 800 PSI F_v = 175 PSI E = 1,466 PSI
- FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE #2 SOUTHERN YELLOW PINE (SYP) TREATED IN ACCORDANCE WITH AWPA C22 WITH THE FOLLOWING DESIGN PROPERTIES: F_b = 800 PSI F_v = 175 PSI E = 1,466 PSI
- ENGINEERED WOOD BEAMS SHALL BE LAMINATED VENEER LUMBER (LVL) OR PARALLEL STRAND LUMBER (PSL) WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES: F_b = 2600 PSI F_v = 285 PSI E = 1,958 PSI
- ENGINEERED WOOD BEAMS SHALL BE INSTALLED WITH ALL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.

VIII. TIMBER ROOF DECKING

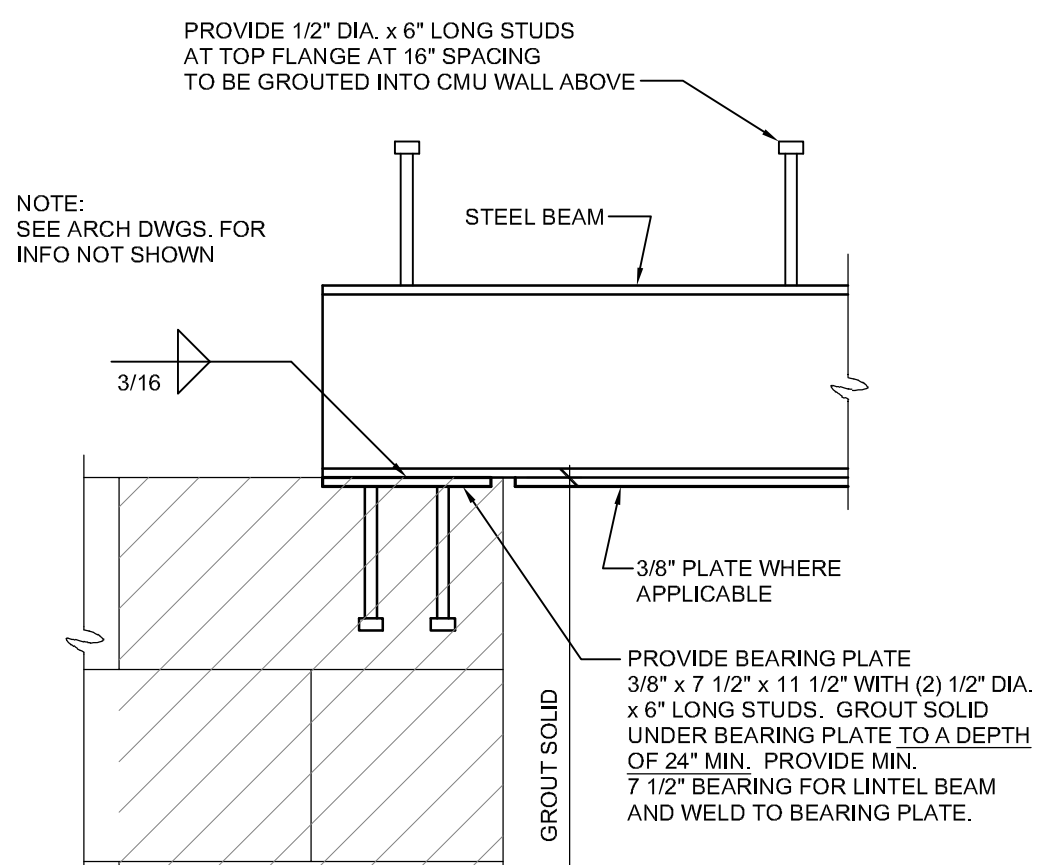
- REFERENCE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION "STANDARD FOR TONGUE AND GROOVE HEAVY TIMBER ROOF DECKING" (AFC 112)
- HEAVY TIMBER TONGUE AND GROOVE DECKING SHALL CONFORM WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES: EASTERN WHITE PINE F_b = 1100 PSI E = 1,166 PSI
NOTE: SOUTHERN PINE IS ACCEPTABLE FOR USE, SINCE THE DESIGN PROPERTIES (F_b = 1650 PSI, E = 1,666 PSI) EXCEED THE MINIMUM VALUES LISTED ABOVE.
- HEAVY TIMBER TONGUE AND GROOVE DECKING SHALL BE NOMINAL 2"x6" (TRUE DIMENSIONS 1 1/2" x 5 3/8") INSTALLED IN A CONTROLLED RANDOM LAYUP PATTERN.
- INSTALL NEW 3/4" WOOD STRUCTURAL SHEATHING TO TOP OF EXISTING WOOD TONGUE AND GROOVE DECKING. ATTACH SHEATHING WITH 10d NAILS (1" PENETRATION INTO TIMBER DECKING) AT 4" SPACING AT ALL EDGES, AND AT 12" SPACING IN EACH DIRECTION AT THE INTERIOR OF EACH PANEL.
- ATTACH HEAVY TIMBER TONGUE AND GROOVE DECKING TO SUPPORT STRUCTURE WITH 1/4" SCREWS EACH PANEL. PROVIDE SCREW ATTACHMENT AT MAXIMUM 6" SPACING AT EDGE CONDITION.

LINTEL SCHEDULE				
LINTEL MARK	WALL TYPE	CLEAR OPENING WIDTH	DESCRIPTION	LINTEL DEPTH
TYPICAL	4" BRICK (EXIST. WALL OPENING)	UP TO 8'-4"	BENT PLATE 7" x 7" x 3/8" (SEE A6-03)	
TYPICAL	4" BRICK (NEW WALL OPENING)	UP TO 8'-4"	L 5 x 5 x 3/8 (SEE A6-03)	
TYP. U.N.O.	NEW OPENING IN EXIST. 8" CMU WALL	UP TO 4'-0"	10" BOND BEAM WITH (1) #5 BAR (SEE ARCH.)	8" (1 COURSE)
TYP. U.N.O.	NEW OPENING IN NEW 8" CMU WALL	UP TO 4'-0"	10" BOND BEAM WITH (1) #5 BAR (SEE ARCH.)	8" (1 COURSE)
TYP. U.N.O.	NEW OPENING IN NEW 8" CMU WALL	4'-0" TO 8'-0"	10" BOND BEAM WITH (2) #5 BARS (SEE ARCH.)	16" (2 COURSES)
SEE PLAN	NEW OPENING IN NEW 8" CMU WALL	SEE PLAN	STEEL LINTEL - SEE PLAN AND DET. 4S2-01	
TYP. U.N.O.	INTERIOR 8" CMU (NON-BEARING)	3'-4"	8" BOND BEAM WITH (1) #5 BAR	8" (1 COURSE)
TYP. U.N.O.	INTERIOR 8" CMU (LOAD BEARING)	3'-4"	8" BOND BEAM WITH (2) #5 BARS	16" (2 COURSES)
TYP. U.N.O.	INTERIOR 8" CMU	3'-4" TO 6'-8"	8" BOND BEAM WITH (2) #5 BARS	16" (2 COURSES)
TYP. U.N.O.	INTERIOR 8" CMU	UP TO 6'-8" (ALTERNATE)	2L 6 x 3 1/2 x 5/16 (LLV) PER DET. 5S2-01	
TYP. U.N.O.	INTERIOR 12" CMU	UP TO 6'-8"	12" BOND BEAM WITH (2) #5 BARS -OR- PRECAST LINTEL BY OTHERS	16" (2 COURSES)
SEE PLAN	8" -OR- 12" CMU	SEE PLAN	STEEL LINTEL - SEE PLAN AND DET. 3S2-01	

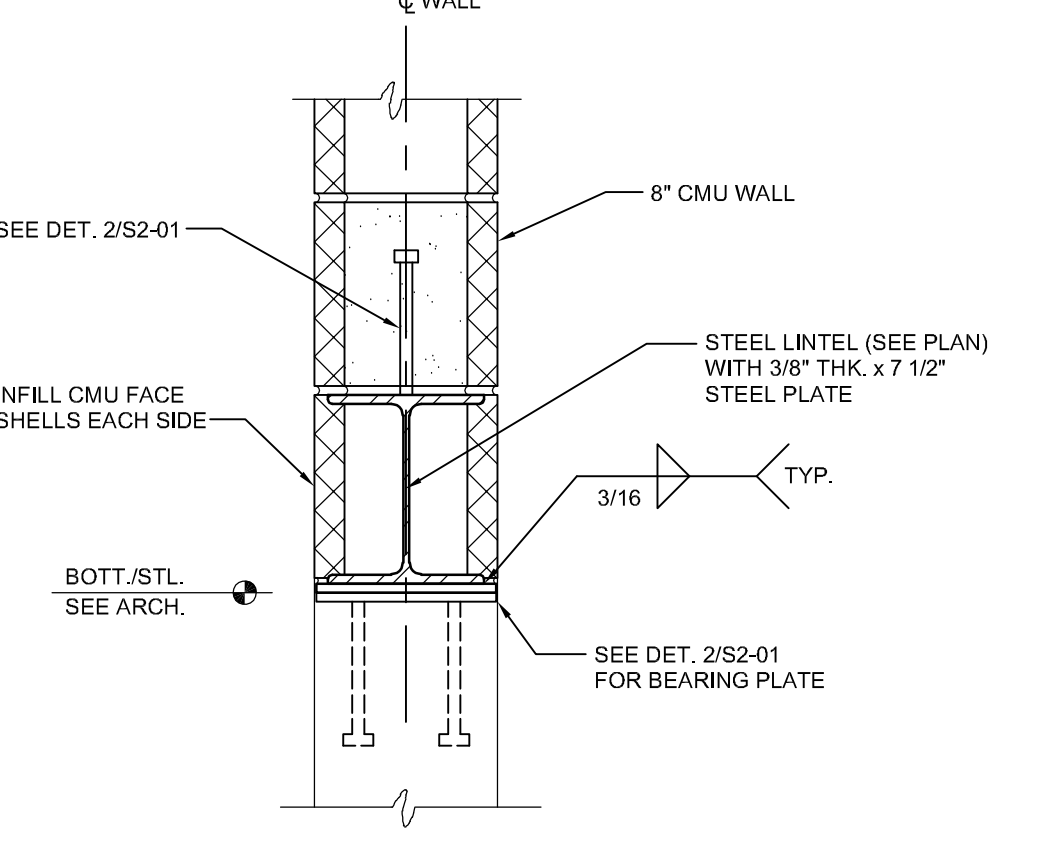
- LINTEL NOTES:
- LINTEL SCHEDULE SHALL APPLY UNLESS NOTED OTHERWISE
 - PROVIDE MIN. 8" BEARING FOR ALL LINTEL ANGLES U.N.O.
 - PROVIDE MIN. 8" BEARING FOR CMU LINTELS U.N.O.
 - PLACE BARS IN BOTTOM OF BOND BEAM.
 - FOR LINTELS CONSISTING OF MULTIPLE COURSES OF CMU, PLACE BARS IN BOTTOM OF BOND BEAM AND GROUT THE ENTIRE LINTEL SOLID IN ONE LIFT.
 - SEE DETAIL 1S2-03 FOR DEFINITION OF LINTEL DEPTH.
 - SEE DETAIL 2S2-01 FOR TYPICAL BEAM BEARING DETAIL.



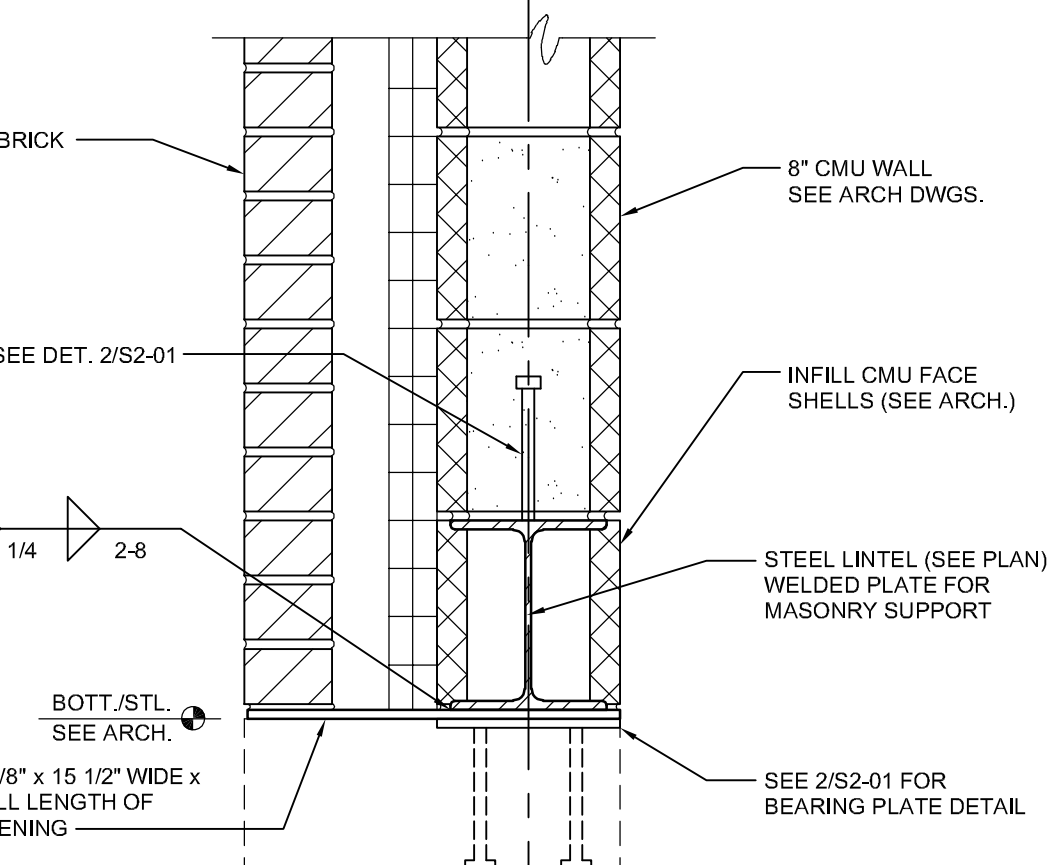
2A TYP. STEEL BEAM BEARING S2-01 1 1/2" = 1'-0" NEW CMU WALL



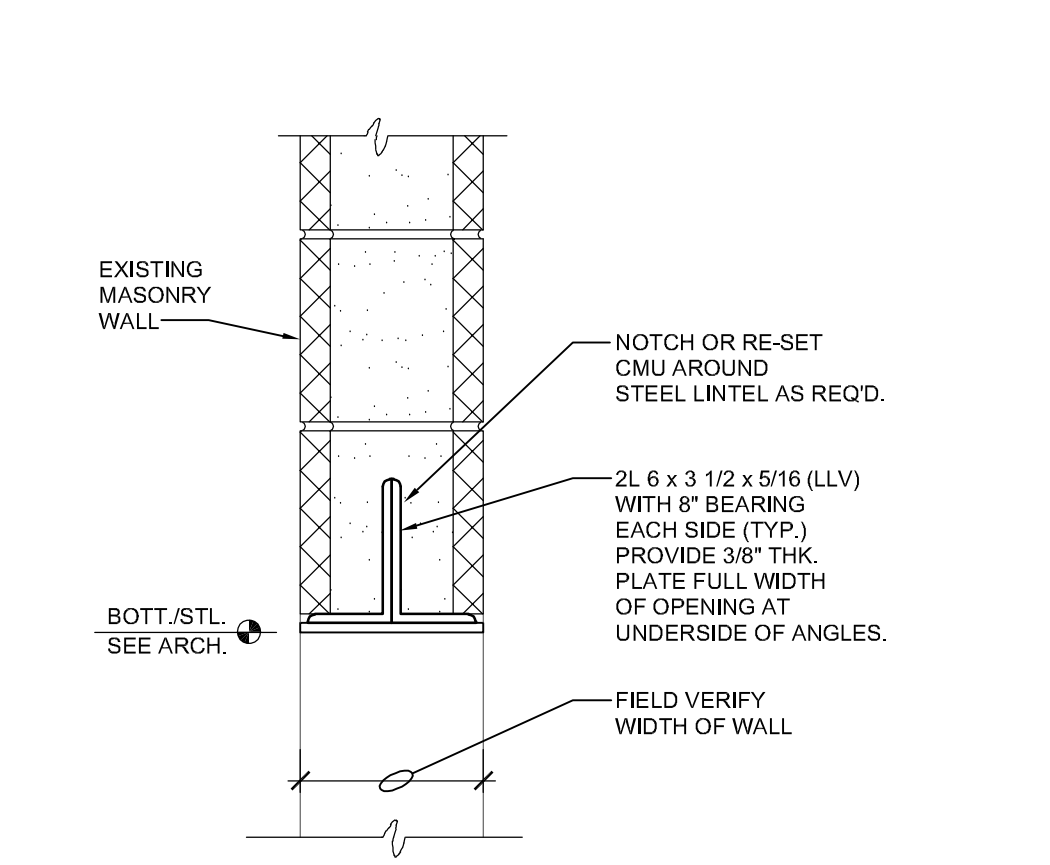
2B TYP. STEEL BEAM BEARING S2-01 1 1/2" = 1'-0" EXISTING CMU WALL



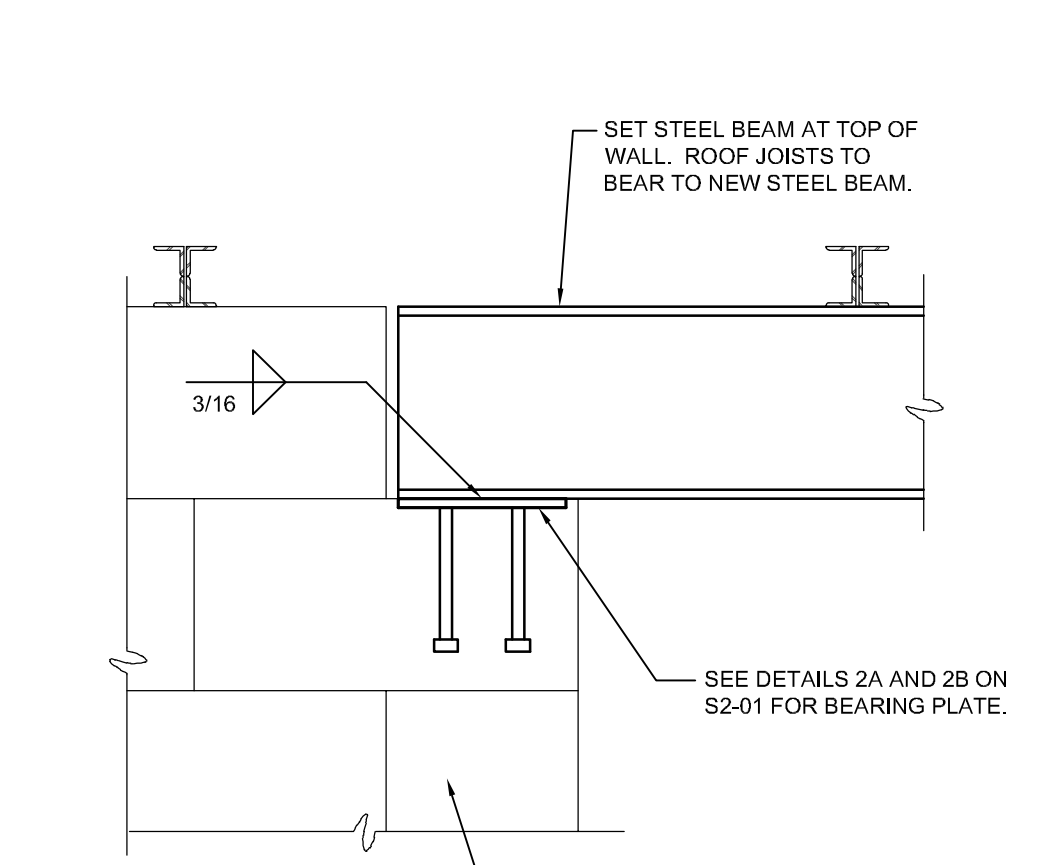
3 STEEL LINTEL DETAIL S2-01 1 1/2" = 1'-0"



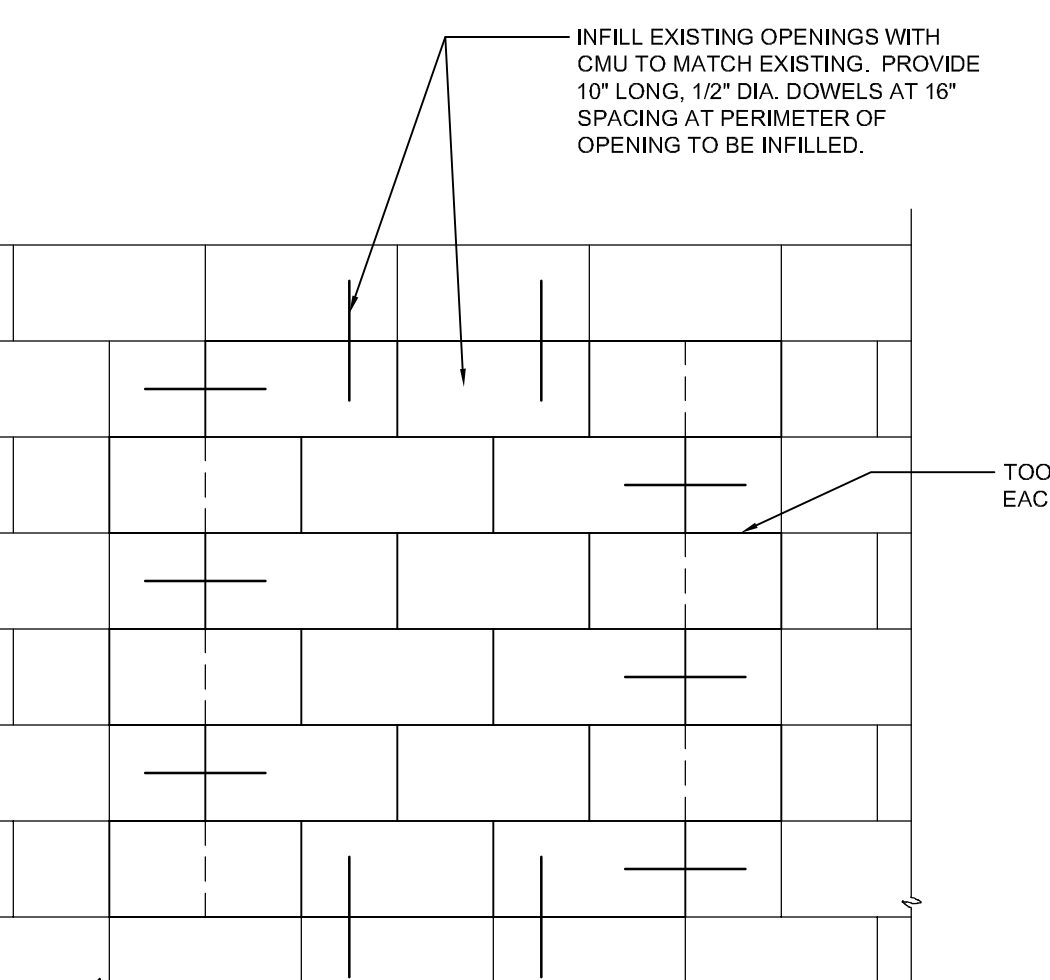
4 LINTEL DETAIL S2-01 1 1/2" = 1'-0" WITH NEW BRICK VENEER SEE PLAN FOR LOCATIONS



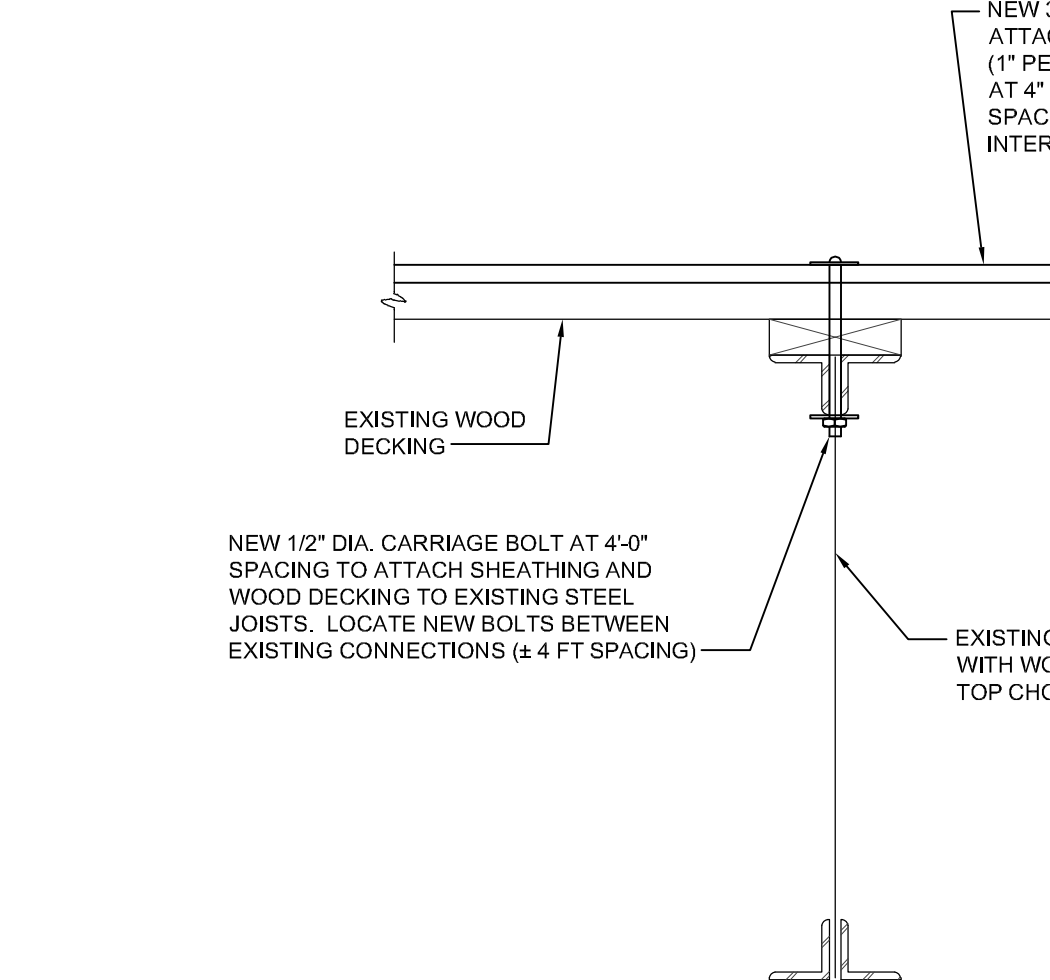
5 LINTEL DETAIL S2-01 1 1/2" = 1'-0" NEW OPENING IN EXISTING WALL



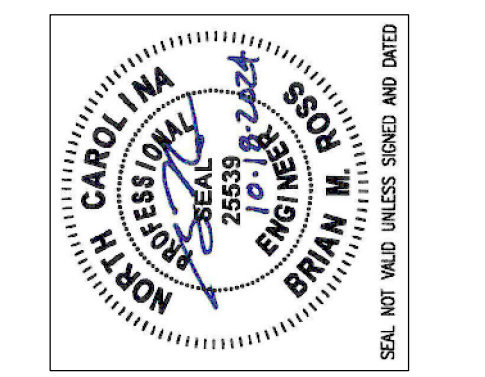
6 NEW STEEL BEAM AT EXISTING WALL S2-01 1 1/2" = 1'-0" SEE PLAN FOR LOCATIONS



7 TYP. WALL INFILL DETAIL S2-01 3/4" = 1'-0"



8 TYP. WOOD DECKING SUPPORT S2-01 1 1/2" = 1'-0" TYP. AT ALL LOCATIONS OF EXISTING WOOD DECKING



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THIS DRAWING IS FORMATTED TO BE PRINTED ON A 36" x 48" SHEET

Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

NO.	DATE	DESCRIPTION
1	11-05-2024	ADDENDUM #1

DRAWN BY: BR
CHECKED BY: BR/JG

STRUCTURAL NOTES & DETAILS

GENERAL DEMOLITION NOTES:

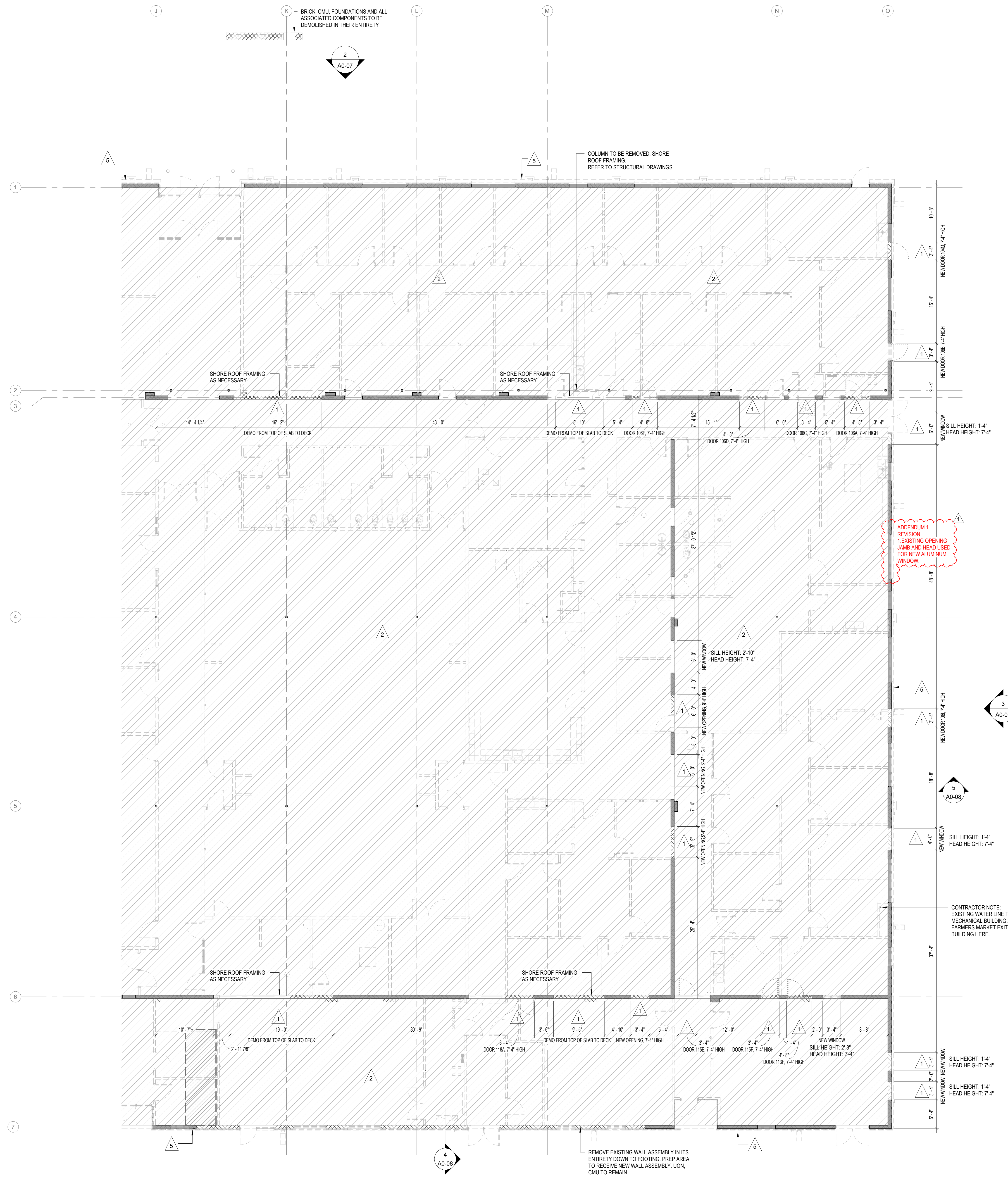
- DEMOLISH AND REMOVE EXISTING CONSTRUCTION, INCLUDING ALL WALLS, DOORS, WINDOWS, FINISHES, PLUMBING, MECHANICAL, ELECTRICAL, FIRE SUPPRESSION, FIRE ALARM, COMMUNICATIONS TO THE STRUCTURAL ELEMENTS (COLUMNS, CMU WALLS, ROOF FRAMING, ROOF DECK) AND CONCRETE SLAB TO REMAIN UNLESS OTHERWISE NOTED.
- ALL CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR WHERE DEMOLITION IS TO OCCUR. THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY INCONSISTENCIES IN WRITING PRIOR TO STARTING ANY WORK.
- ANY FLOOR, CEILING, WALL OR OTHER MATERIALS INCLUDING FINISHES IN AREAS TO REMAIN ARE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT. ANY MATERIALS DAMAGED DURING CONSTRUCTION OR DEMOLITION, SHALL BE RETURNED TO THEIR ORIGINAL STATE, OR IMPROVED AS INDICATED BY THE OWNER OR ARCHITECT, OR REPLACED WITH A NEW MATERIAL TO MATCH ADJACENT MATERIALS, TYPICAL.
- CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN.
- REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL AND COMPLETE SCOPE OF DEMOLITION THAT MAY OR MAY NOT BE NOTED ON THE ARCHITECTURAL DEMOLITION PLAN AND NOTES.
- CONTRACTOR SHALL REMOVE ALL WALL MOUNTED FIXTURES OR ITEMS UNLESS OTHERWISE NOTED. ALL WALLS TO REMAIN SHALL BE REPAIRED, AND VOIDS FILLED AFTER FIXTURE REMOVAL.
- ALL FIXTURES, WALLS AND PORTIONS OF WALLS SHOWN AS DASHED LINES OR LABELED SHALL BE DEMOLISHED UNLESS ELEMENTS REMOVED OR REPLACED. CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING AND IS RESPONSIBLE FOR ANY FAILURE DUE TO LACK OF PROPER BRACING.
- CONTRACTOR SHALL PATCH AND FILL IN ANY VOIDS LEFT FROM THE DEMOLITION OF ANY PLUMBING, MECHANICAL, OR ELECTRICAL ITEMS. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR COMPLETE SCOPE OF DEMOLITION.
- CONCRETE CUT IS DIAGRAMMATIC. ALL EXISTING DOMESTIC WATER PIPING AND EXISTING SANITARY PIPING ABOVE SLAB AND BELOW SLAB SHALL BE REMOVED IN AREA OF DEMOLITION. REFER TO PLUMBING DRAWINGS FOR EXTENTS OF DEMOLITION WORK.
- REMOVE EXISTING ROOF ASSEMBLY (INCLUDING GUTTERS AND DOWNSPOUTS) TO ROOF DECK UNLESS OTHERWISE INDICATED.

DEMOLITION SPECIFIC AREA NOTES:

- | | |
|---|---|
| 1 | REMOVE EXISTING CMU WALL TO THE EXTENTS SHOWN. SHORE EXISTING STRUCTURAL AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. DEMOLITION SHALL BE SUFFICIENT ENOUGH TO INSTALL A NEW LINTEL OVER THE OPENINGS. PATCH AND REPAIR SURROUNDING MASONRY AS NECESSARY. REFER TO STRUCTURAL FOR LINTEL DETAIL. |
| 2 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY. PREP AREA TO RECEIVE NEW CONCRETE SLAB, VAPOR BARRIER AND DRAINAGE FILL. COORDINATE FINAL LOCATION OF CUT WITH STRUCTURAL, PLUMBING, AND ELECTRICAL AND OTHER TRADES AS REQUIRED. CONCRETE CUT IS DIAGRAMMATIC. CONTRACTOR SHALL CUT AS REQUIRED FOR NEW WORK SHOWN. COORDINATE WITH ALL TRADES FOR COMPLETE SIZE, LOCATION, AND EXTENTS OF SLAB CUTS. REFER TO STRUCTURAL FOR NEW SLAB DETAILS. |
| 3 | CUT EXISTING ROOF, ROOF DECK, AS NECESSARY FOR NEW OPENING. FRAME OPENING AS INDICATED BY STRUCTURAL. REFER TO DRAWINGS FOR EXACT LOCATION AND SIZE OF OPENING. |
| 4 | REMOVE EXISTING ROOF ASSEMBLY (WOOD ROOF FRAMING, DECK, NAILERS, ROOF MEMBRANE, INSULATION) TO THE EXTENTS SHOWN. CUTS SHOWN ARE DIAGRAMMATIC. SHORE EXISTING STRUCTURE AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. REFER TO STRUCTURAL FOR NEW FRAMING. |
| 5 | REMOVE EXISTING WALL ASSEMBLY TO THE FACE OF CMU WALL ASSEMBLY SHALL BE REMOVED FROM TOP OF FOOTING TO TOP OF CMU WALL. UON, CMU TO REMAIN. |

DEMOLITION LEGEND:

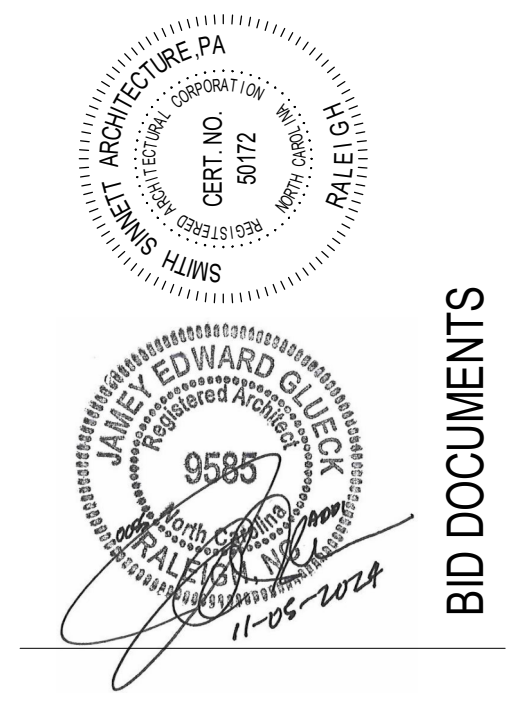
SYMBOL	DESCRIPTION
	EXISTING CMU WALL TO REMAIN
	EXISTING STRUCTURAL ELEMENT TO REMAIN
	EXISTING CMU WALL TO BE REMOVED
	EXISTING SLAB TO BE REMOVED
	EXISTING ROOF DECK TO BE REMOVED
	EXISTING TO BE REMOVED DURING DEMOLITION



1
A0-02 DEMOLITION FLOOR PLAN - AREA A
1/8" = 1'-0"



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**Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

ID	DATE	DESCRIPTION
1	11/05/2024	Addendum 1
5	A0-08	

DRAWN BY: RM, FA, NB
CHECKED BY: JEG
DEMO FLOOR PLAN - AREA A

2021029 05 NOV. 2024

A0-02

GENERAL DEMOLITION NOTES:

- DEMOLISH AND REMOVE EXISTING CONSTRUCTION, INCLUDING ALL WALLS, DOORS, WINDOWS, FINISHES, PLUMBING, MECHANICAL, ELECTRICAL, FIRE SUPPRESSION, FIRE ALARM, COMMUNICATIONS TO THE STRUCTURAL ELEMENTS (COLUMNS, CMU WALLS, ROOF FRAMING, ROOF DECK) AND CONCRETE SLAB TO REMAIN UNLESS OTHERWISE NOTED.
- ALL CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR WHERE DEMOLITION IS TO OCCUR. THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY INCONSISTENCIES IN WRITING PRIOR TO STARTING ANY WORK.
- ANY FLOOR, CEILING, WALL OR OTHER MATERIALS INCLUDING FINISHES IN AREAS TO REMAIN ARE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT. ANY MATERIALS DAMAGED DURING CONSTRUCTION OR DEMOLITION, SHALL BE RETURNED TO THEIR ORIGINAL STATE, OR IMPROVED AS INDICATED BY THE OWNER OR ARCHITECT, OR REPLACED WITH A NEW MATERIAL TO MATCH ADJACENT MATERIALS, TYPICAL.
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- ALL FIXTURES, WALLS AND PORTIONS OF WALLS SHOWN AS DASHED LINES OR LABELED SHALL BE DEMOLISHED UNLESS ELEMENTS REMOVED OR REPLACED. CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING AND IS RESPONSIBLE FOR ANY FAILURE DUE TO LACK OF PROPER BRACING.
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- REMOVE EXISTING ROOF ASSEMBLY (INCLUDING GUTTERS AND DOWNSPOUTS) TO ROOF DECK UNLESS OTHERWISE INDICATED.

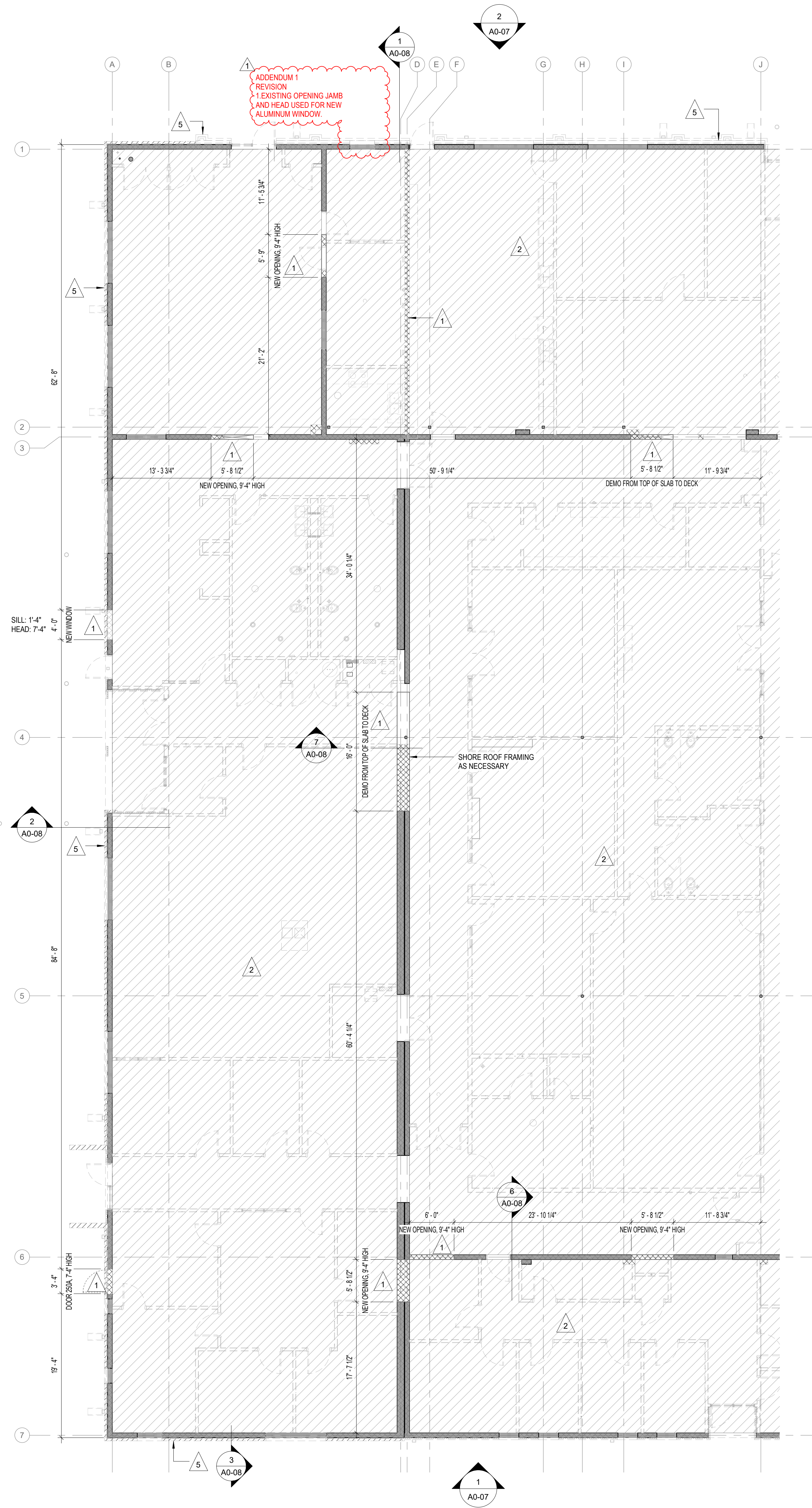
DEMOLITION SPECIFIC AREA NOTES:

- | | |
|---|---|
| 1 | REMOVE EXISTING CMU WALL TO THE EXTENTS SHOWN. SHORE EXISTING STRUCTURAL AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. DEMOLITION SHALL BE SUFFICIENT ENOUGH TO INSTALL A NEW LINTEL OVER THE OPENINGS. PATCH AND REPAIR SURROUNDING MASONRY AS NECESSARY. REFER TO STRUCTURAL FOR LINTEL DETAIL. |
| 2 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY. PREP AREA TO RECEIVE NEW CONCRETE SLAB, VAPOR BARRIER AND DRAINAGE FILL. COORDINATE FINAL LOCATION OF CUT WITH STRUCTURAL, PLUMBING, AND ELECTRICAL AND OTHER TRADES AS REQUIRED. CONCRETE CUT IS DIAGRAMMATIC. CONTRACTOR SHALL CUT AS REQUIRED FOR NEW WORK SHOWN. COORDINATE WITH ALL TRADES FOR COMPLETE SIZE, LOCATION, AND EXTENTS OF SLAB CUTS. REFER TO STRUCTURAL FOR NEW SLAB DETAILS. |
| 3 | CUT EXISTING ROOF, ROOF DECK, AS NECESSARY FOR NEW OPENING. FRAME OPENING AS INDICATED BY STRUCTURAL. REFER TO DRAWINGS FOR EXACT LOCATION AND SIZE OF OPENING. |
| 4 | REMOVE EXISTING ROOF ASSEMBLY (WOOD ROOF FRAMING, DECK, NAILERS, ROOF MEMBRANE, INSULATION) TO THE EXTENTS SHOWN. CUTS SHOWN ARE DIAGRAMMATIC. SHORE EXISTING STRUCTURE AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. REFER TO STRUCTURAL FOR NEW FRAMING. |
| 5 | REMOVE EXISTING WALL ASSEMBLY TO THE FACE OF CMU WALL ASSEMBLY SHALL BE REMOVED FROM TOP OF FOOTING TO TOP OF CMU WALL. UON, CMU TO REMAIN. |

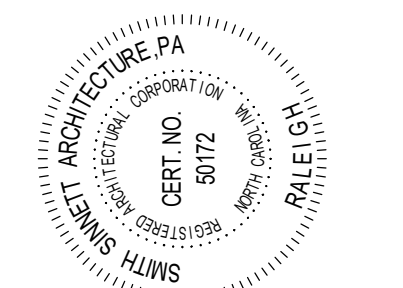
DEMOLITION LEGEND:

SYMBOL	DESCRIPTION
	EXISTING CMU WALL TO REMAIN
	EXISTING STRUCTURAL ELEMENT TO REMAIN
	EXISTING CMU WALL TO BE REMOVED
	EXISTING SLAB TO BE REMOVED
	EXISTING ROOF DECK TO BE REMOVED
	EXISTING TO BE REMOVED DURING DEMOLITION

BRICK, CMU, FOUNDATIONS AND ALL ASSOCIATED COMPONENTS TO BE DEMOLISHED IN THEIR ENTIRETY



1
A0-03 DEMOLITION FLOOR PLAN - AREA B
1/8" = 1'-0"



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DEMO FLOOR PLAN - AREA B

GENERAL DEMOLITION NOTES:

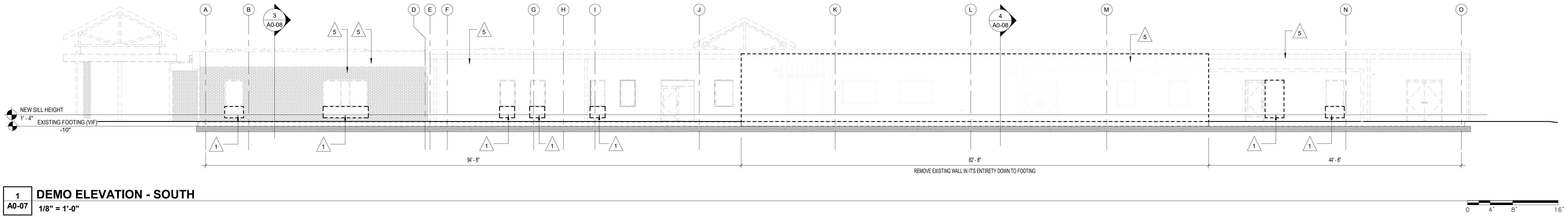
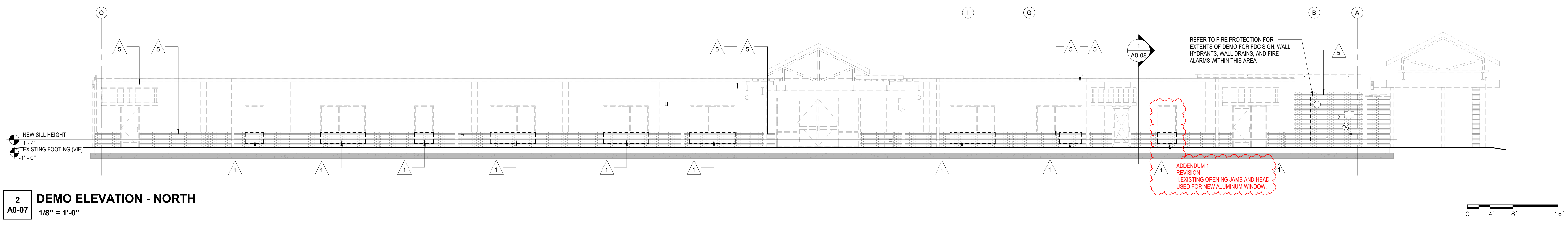
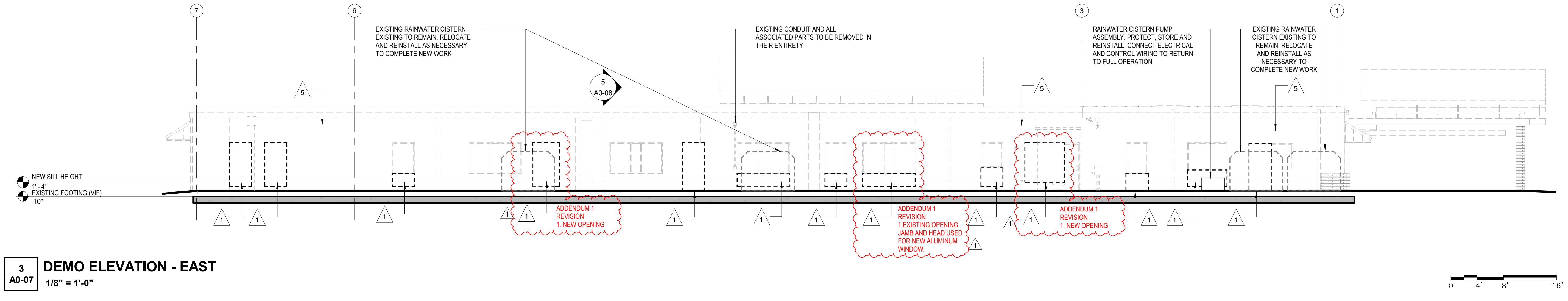
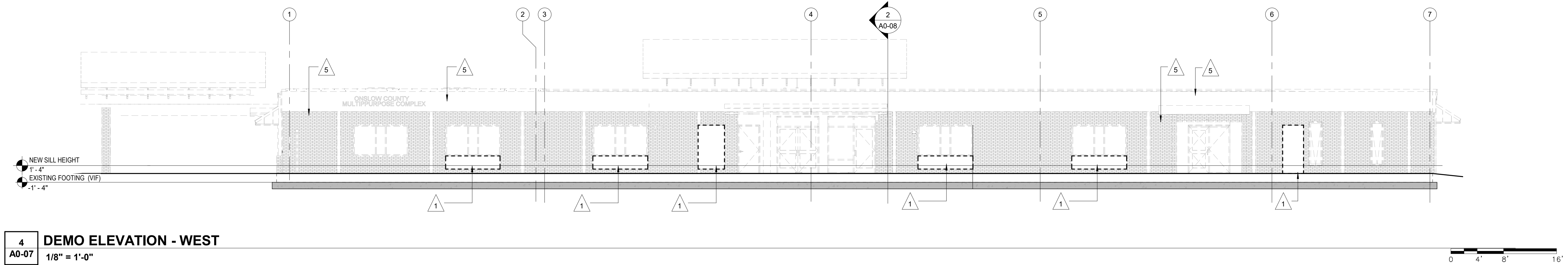
- DEMOLISH AND REMOVE EXISTING CONSTRUCTION, INCLUDING ALL WALLS, DOORS, WINDOWS, FINISHES, PLUMBING, MECHANICAL, ELECTRICAL, FIRE SUPPRESSION, FIRE ALARM, COMMUNICATIONS TO THE STRUCTURAL ELEMENTS (COLUMNS, CMU WALLS, ROOF FRAMING, ROOF DECK) AND CONCRETE SLAB TO REMAIN UNLESS OTHERWISE NOTED.
- ALL CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR WHERE DEMOLITION IS TO OCCUR. THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY INCONSISTENCIES IN WRITING PRIOR TO STARTING ANY WORK.
- ANY FLOOR, CEILING, WALL OR OTHER MATERIALS INCLUDING FINISHES IN AREAS TO REMAIN ARE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT. ANY MATERIALS DAMAGED DURING CONSTRUCTION OR DEMOLITION, SHALL BE RETURNED TO THEIR ORIGINAL STATE, OR IMPROVED AS INDICATED BY THE OWNER OR ARCHITECT, OR REPLACED WITH A NEW MATERIAL TO MATCH ADJACENT MATERIALS, TYPICAL.
- CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN.
- REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL AND COMPLETE SCOPE OF DEMOLITION THAT MAY OR MAY NOT BE NOTED ON THE ARCHITECTURAL DEMOLITION PLAN AND NOTES.
- CONTRACTOR SHALL REMOVE ALL WALL MOUNTED FIXTURES OR ITEMS UNLESS OTHERWISE NOTED. ALL WALLS TO REMAIN SHALL BE REPAIRED, AND VOIDS FILLED AFTER FIXTURE REMOVAL.
- ALL FIXTURES, WALLS AND PORTIONS OF WALLS SHOWN AS DASHED LINES OR LABELED SHALL BE DEMOLISHED UNLESS ELEMENTS REMOVED OR REPLACED. CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING AND IS RESPONSIBLE FOR ANY FAILURE DUE TO LACK OF PROPER BRACING.
- CONTRACTOR SHALL PATCH AND FILL IN ANY VOIDS LEFT FROM THE DEMOLITION OF ANY PLUMBING, MECHANICAL, OR ELECTRICAL ITEMS. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR COMPLETE SCOPE OF DEMOLITION.
- CONCRETE CUT IS DIAGMMATIC. ALL EXISTING DOMESTIC WATER PIPING AND EXISTING SANITARY PIPING ABOVE SLAB AND BELOW SLAB SHALL BE REMOVED IN AREA OF DEMOLITION. REFER TO PLUMBING DRAWINGS FOR EXTENTS OF DEMOLITION WORK.
- REMOVE EXISTING ROOF ASSEMBLY (INCLUDING GUTTERS AND DOWNSPOUTS) TO ROOF DECK UNLESS OTHERWISE INDICATED.

DEMOLITION SPECIFIC AREA NOTES:

- REMOVE EXISTING CMU WALL TO THE EXTENTS SHOWN, SHORE EXISTING STRUCTURAL AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. DEMOLITION SHALL BE SUFFICIENT ENOUGH TO INSTALL A NEW LINTEL OVER THE OPENINGS. PATCH AND REPAIR SURROUNDING MASONRY AS NECESSARY. REFER TO STRUCTURAL FOR LINTEL DETAIL.
- REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY. PREP AREA TO RECEIVE NEW CONCRETE SLAB, VAPOR BARRIER AND DRAINAGE FILL. COORDINATE FINAL LOCATION OF CUT WITH STRUCTURAL, PLUMBING, AND ELECTRICAL AND OTHER TRADES AS REQUIRED. CONCRETE CUT IS DIAGMMATIC. CONTRACTOR SHALL CUT AS REQUIRED FOR NEW WORK SHOWN. COORDINATE WITH ALL TRADES FOR COMPLETE SIZE, LOCATION, AND EXTENTS OF SLAB CUTS. REFER TO STRUCTURAL FOR NEW SLAB DETAILS.
- CUT EXISTING ROOF, ROOF DECK, AS NECESSARY FOR NEW OPENING. FRAME OPENING AS INDICATED BY STRUCTURAL. REFER TO DRAWINGS FOR EXACT LOCATION AND SIZE OF OPENING.
- REMOVE EXISTING ROOF ASSEMBLY (WOOD ROOF FRAMING, DECK, NAILERS, ROOF MEMBRANE, INSULATION) TO THE EXTENTS SHOWN. CUTS SHOWN ARE DIAGMMATIC. SHORE EXISTING STRUCTURE AS NECESSARY TO MAINTAIN THE EXISTING TO REMAIN ASSEMBLIES INTACT. REFER TO STRUCTURAL FOR NEW FRAMING.
- REMOVE EXISTING WALL ASSEMBLY TO THE FACE OF CMU WALL ASSEMBLY SHALL BE REMOVED FROM TOP OF FOOTING TO TOP OF CMU WALL. UON, CMU TO REMAIN.

DEMOLITION LEGEND:

SYMBOL	DESCRIPTION
	EXISTING CMU WALL TO REMAIN
	EXISTING STRUCTURAL ELEMENT TO REMAIN
	EXISTING CMU WALL TO BE REMOVED
	EXISTING SLAB TO BE REMOVED
	EXISTING ROOF DECK TO BE REMOVED
	EXISTING TO BE REMOVED DURING DEMOLITION

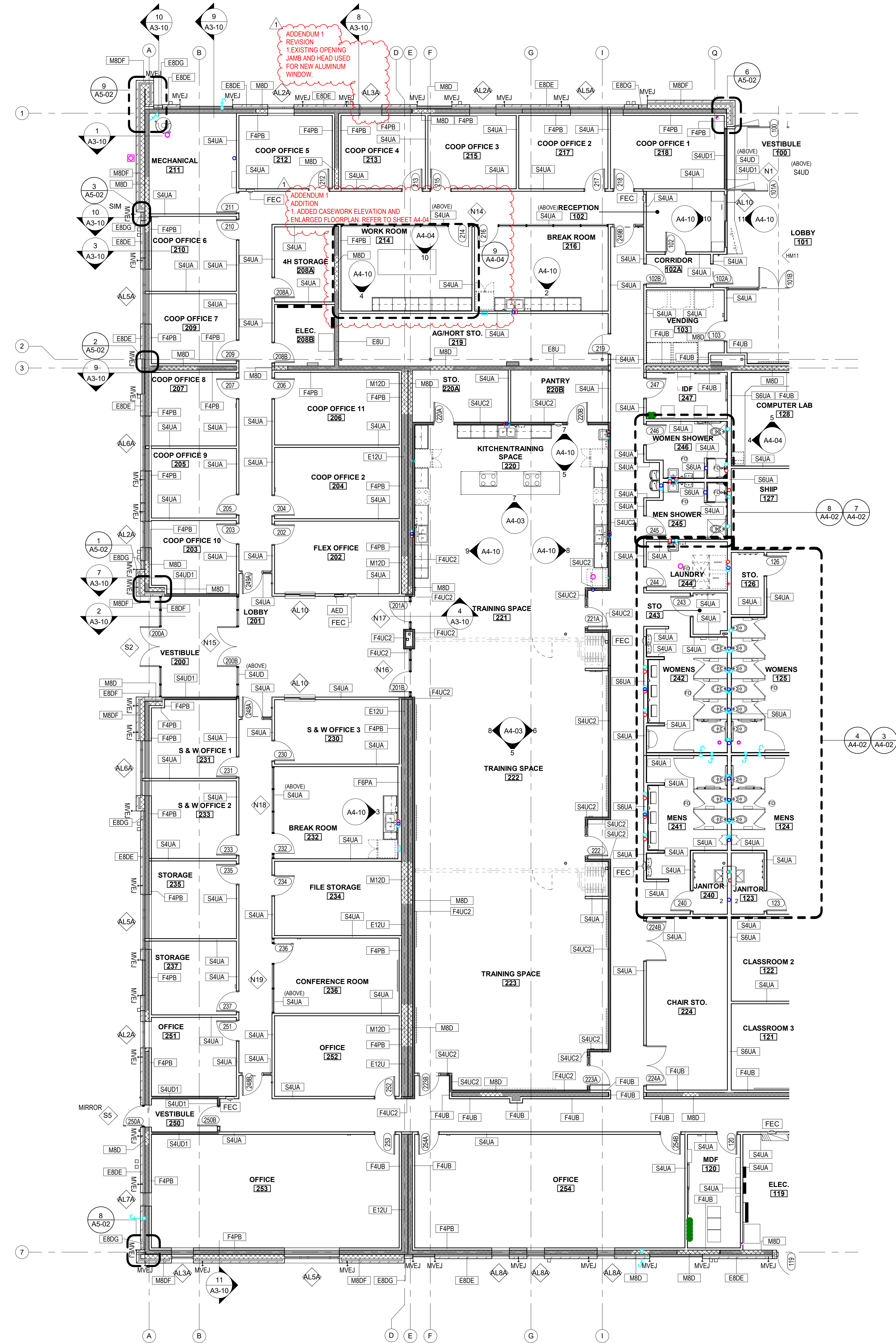


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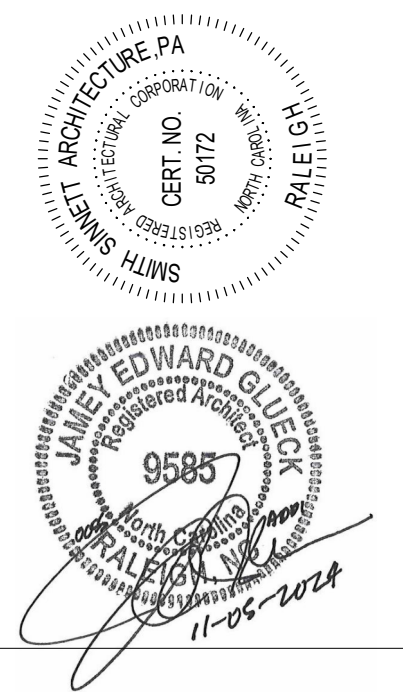
C:\Users\jacob@smithsinnett.com\Documents\2024\02\028 OC Senior Services - Facade.dwg, FACADE, SEKS.rvt
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GENERAL PROJECT NOTES:

1. WALL DIMENSIONS ARE TO FACE OF METAL STUD, FACE OF CONCRETE MASONRY UNIT (CMU), OR CENTERLINE OF COLUMN UNLESS OTHERWISE NOTED.
2. ALL CMU WALLS GOING TO BOTTOM OF DECK ARE TO PROVIDE A 1" GAP FOR DEFLECTION, FILL GAP WITH MINERAL WOOL INSULATION ALONG THE ENTIRE LENGTH OF WALL. AT FIRE RATED WALLS, ENSURE SPRAY APPLIED FIRE SEALANT BOTH SIDES.
3. ALL METAL STUD WALLS TERMINATING AT BOTTOM OF DECK ARE TO PROVIDE A DEFLECTION TRACK SECURED TO THE UNDERSIDE OF THE DECKING, NEST TOP TRACK BUT DO NOT ATTACH TO DEFLECTION TRACK. FILL FLUTE IN METAL DECK WHERE REQUIRED.
4. CONTROL JOINTS SHALL BE AS SHOWN ON PLANS AND ELEVATIONS OR SPACED AT A MINIMUM OF 27'-0" OC AND A MAXIMUM OF 32'-0" OC WITH ONE CONTROL JOINT LOCATED WITHIN 3'-4" OF ANY CORNER FOR INTERIOR GYPSUM WALL CONTROL JOINTS SEE DETAIL.
5. SEE FINISH SCHEDULE FOR WALL, FLOOR, BASE, AND CEILING TYPES AND FINISHES.
6. REFER TO STRUCTURAL DRAWINGS FOR LOCATION OF REINFORCING, BOND BEAMS, BRACING, ETC.
7. ALL EXTERIOR CONCRETE PAVING SHALL SLOPE AWAY FROM THE BUILDING AT 1/4" PER FOOT, MINIMUM.
8. FURNITURE AND EQUIPMENT SHOWN DASHED ON PLANS IS NOT IN CONTRACT (NIC). REFER TO A1-06 AND A1-07 FOR FURNISHING AND EQUIPMENT PLANS.
9. GC TO PROVIDE WOOD BLOCKING FOR ALL WALL/CEILING MOUNTED ACCESSORIES.
10. FIELD VERIFY FINAL ROOM DIMENSIONS PRIOR TO CASEWORK FABRICATION.
11. THERE SHALL BE NO PENETRATIONS IN THROUGH WALL FLASHING.
12. DOOR JAMB FROM INTERSECTING WALLS: CMU - 8" UNLESS OTHERWISE NOTED. STUD - 4" UNLESS OTHERWISE NOTED.
13. REFER TO OVERALL FLOOR PLAN FOR DEPRESSED SLAB LOCATIONS. 2" BELOW FINISHED FLOOR, TYPICAL ALL DEPRESSED SLAB AREAS.



1 ANNOTATION PLAN - AREA B
A1-04 1/8" = 1'-0"



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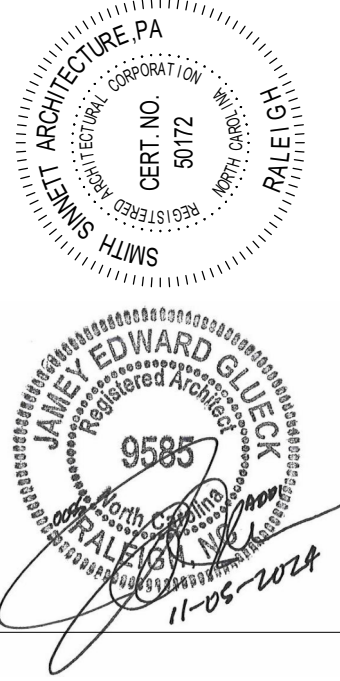
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FIRST FLOOR
ANNOTATION PLAN
- AREA B



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THIS DRAWING IS QUANTIFIED TO BE PRINTED ON A 30" X 42" SHEET



1 OVERALL FURNISHING PLAN
A1-06 1/8" = 1'-0"

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CHECKED BY: JEG
FURNISHING PLAN

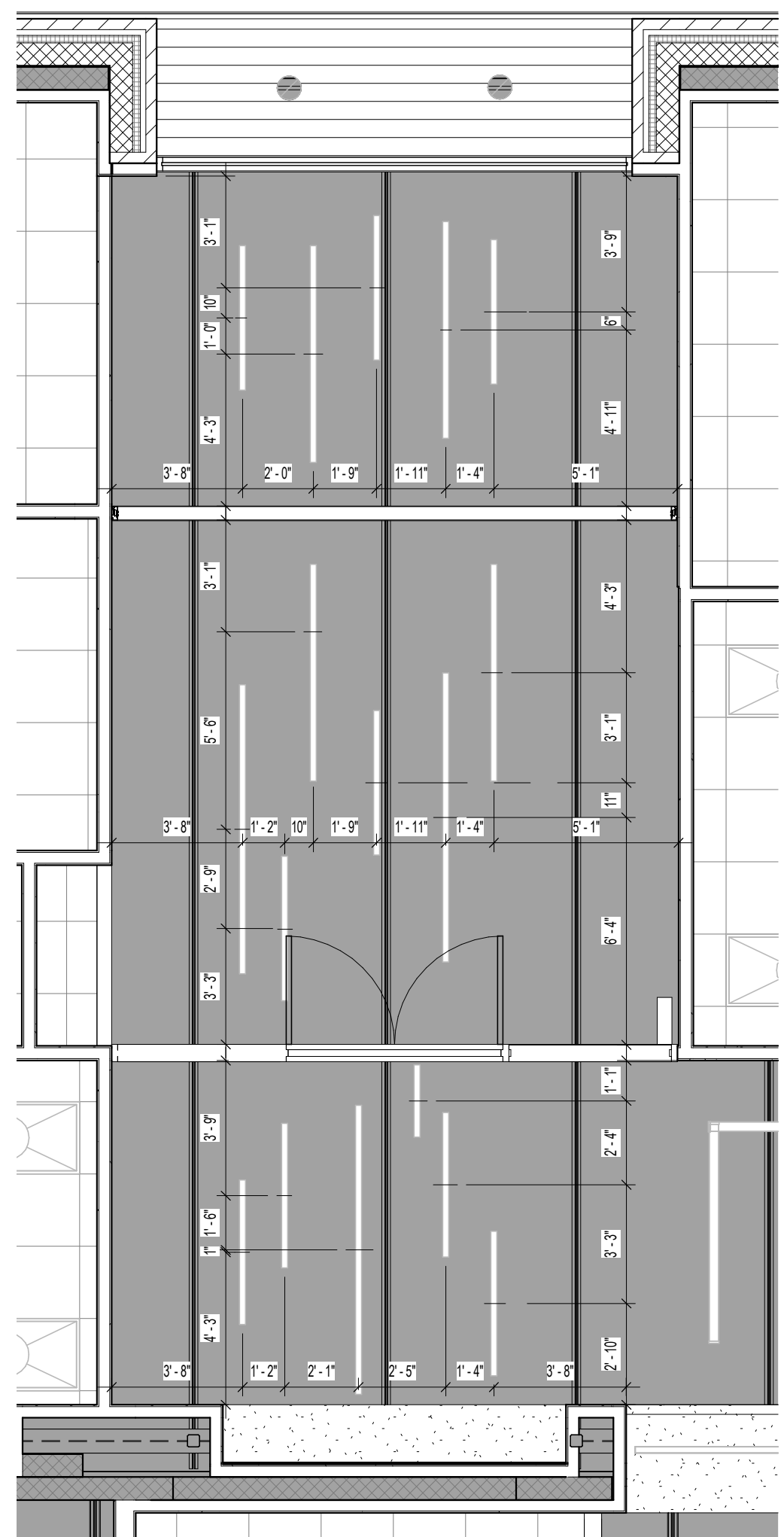
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REFLECTED CEILING LEGEND AND NOTES

CEILING TYPE		CEILING HEIGHT
A	ACT-1, 2x2 CEILING TILE, WHITE FINISH	10'-0"
B	ACT-2, 2x2 VINYL COVERED TILE AND GRID, WHITE FINISH, HOLD DOWN CLIPS	
D	GYPSUM WALLBOARD CEILING SYSTEM	
E	GYPSUM BOARD CEILING - MOISTURE RESISTANT	
G	METAL SOFFIT PANEL - PERFORATED	
H	METAL SOFFIT PANEL - NON PERFORATED	
J	EXPOSED EXISTING STRUCTURE - PAINT EXPOSED EXISTING STRUCTURE, HEAVY TIMBER TONGUE AND GROOVE ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.	
K	EXPOSED EXISTING STRUCTURE - PAINT EXPOSED STRUCTURE, METAL ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS	
L	EXPOSED NEW STRUCTURE - PAINT EXPOSED STRUCTURE, METAL ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.	
S	METAL LINEAR CEILING REFER TO ALTERNATE 6C	

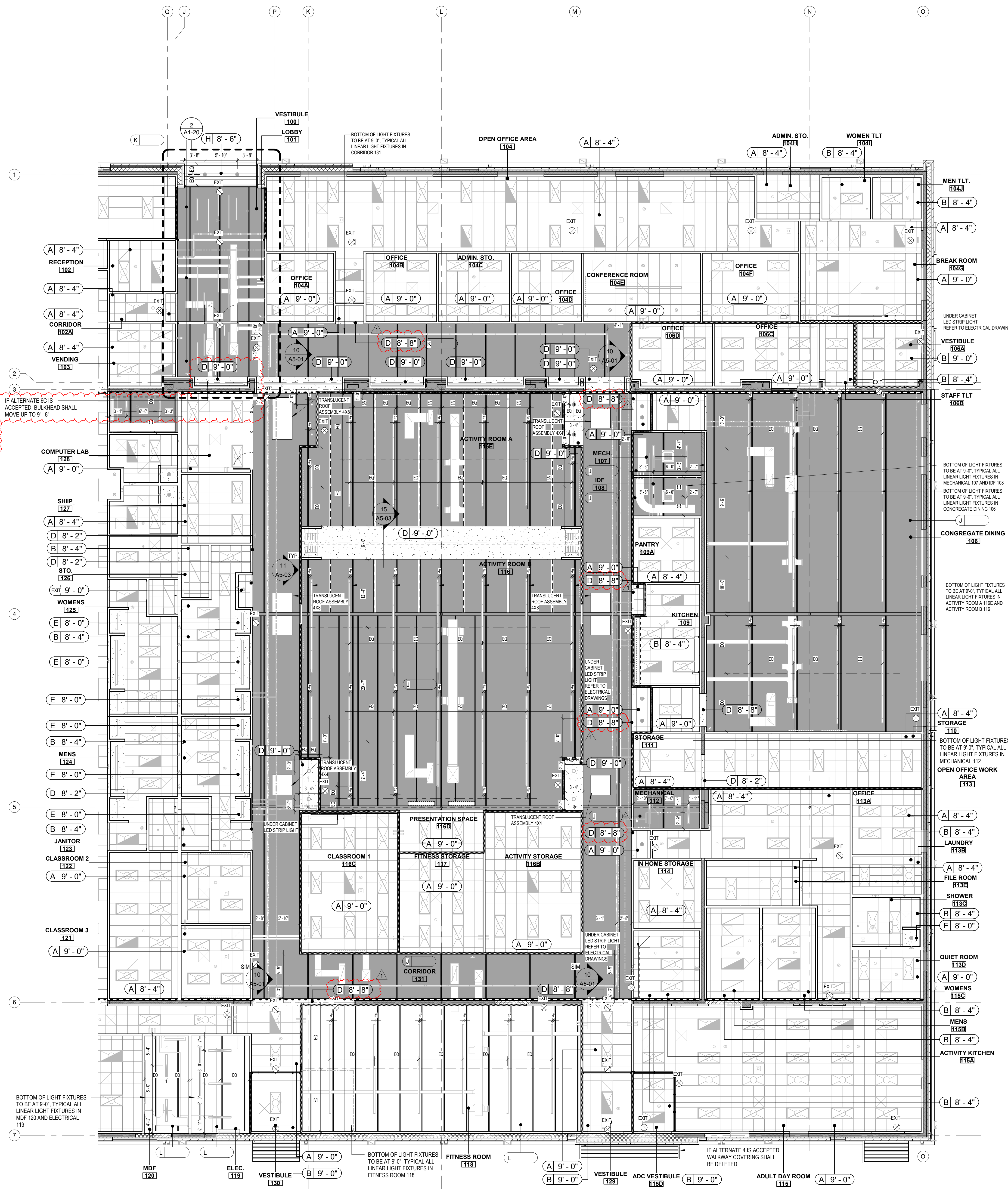
SYMBOL	DESCRIPTION
—	LINEAR PENDANT
⊠	2 X 4 LED FIXTURE
⊞	RETURN AIR GRILLE
⊞	SUPPLY AIR DIFFUSER
⊙	CAN STYLE FIXTURE
—	HANGING LED FIXTURE
—	WALL MOUNTED LED UPLIGHT
—	48" X 48" TRANSLUCENT ROOF ASSEMBLY
—	48" X 96" TRANSLUCENT ROOF ASSEMBLY
—	WALLS TO BE SEALED TO ROOF DECK, TO SEPARATE PLENUM AREAS (NON-COMBUSTIBLE METAL ROOF DECK) FROM NON PLENUM AREAS (COMBUSTIBLE HEAVY TIMBER ROOF DECK)
⊗	EXIT SIGN

GENERAL NOTES:
 1. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR COMPLETE SCOPE OF CEILING PENETRATIONS AND FIXTURES.
 2. REFER TO PROJECT SPECIFICATIONS FOR COMPLETE DESCRIPTION OF CEILING MATERIAL.

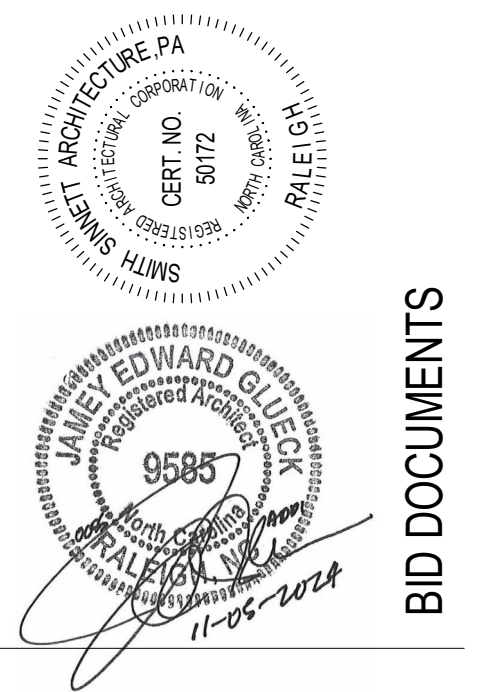


2 VESTIBULE AND LOBBY - LIGHT LAYOUT
 A1-20 1/4" = 1'-0"

ADDENDUM 1 REVISION
 1. IF ALTERNATE 6C IS ACCEPTED, BULKHEAD HEIGHT SHALL BE 9'-0"
 2. REVISIONS TO BULKHEAD HEIGHTS AS INDICATED ON PLAN



1 REFLECTED CEILING PLAN - AREA A
 A1-20 1/8" = 1'-0"



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REFLECTED CEILING PLAN - AREA A

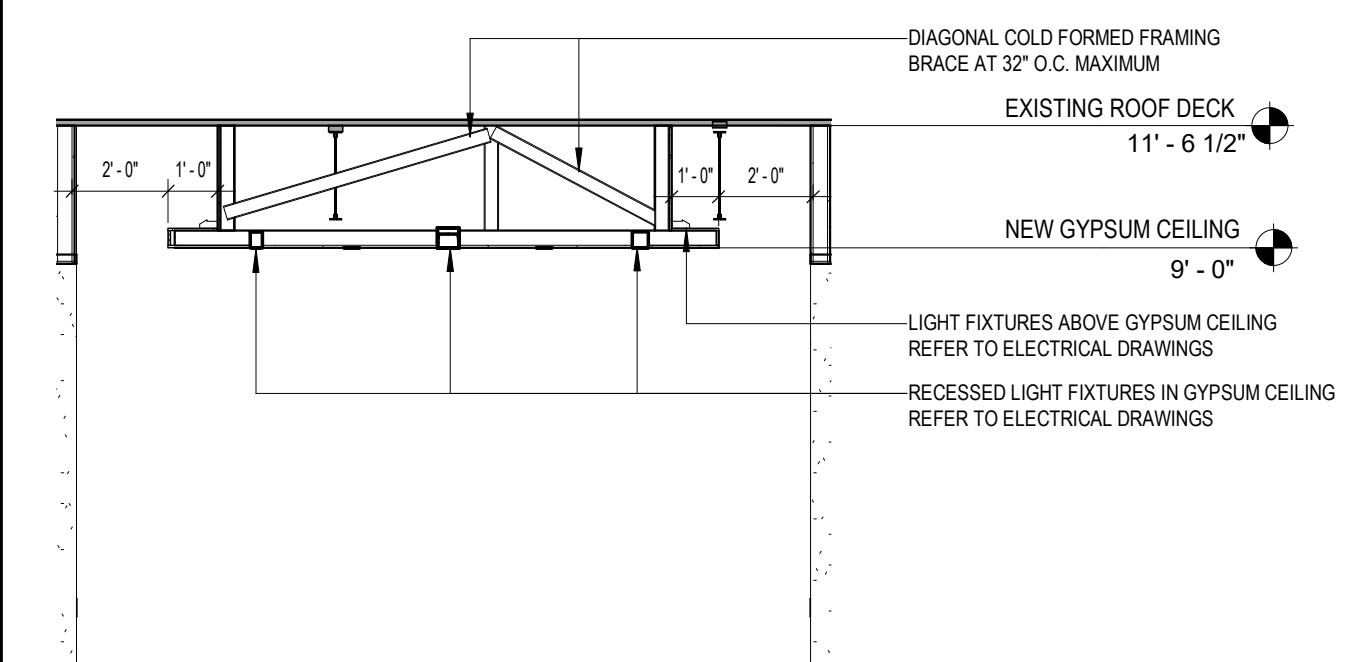
REFLECTED CEILING LEGEND AND NOTES

CEILING TYPE	
SYMBOL	DESCRIPTION
A	ACT-1, 2x2 CEILING TILE, WHITE FINISH
B	ACT-2, 2x2 VINYL COVERED TILE AND GRID, WHITE FINISH, HOLD DOWN CLIPS
D	GYPSUM WALLBOARD CEILING SYSTEM
E	GYPSUM BOARD CEILING - MOISTURE RESISTANT
G	METAL SOFFIT PANEL - PERFORATED
H	METAL SOFFIT PANEL - NON PERFORATED
J	EXPOSED EXISTING STRUCTURE - PAINT EXPOSED EXISTING STRUCTURE, HEAVY TIMBER TONGUE AND GROOVE ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.
K	EXPOSED EXISTING STRUCTURE - PAINT EXPOSED STRUCTURE, METAL ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.
L	EXPOSED NEW STRUCTURE - PAINT EXPOSED STRUCTURE, METAL ROOF DECK, CONDUIT, JUNCTION BOXES, PIPING, DUCTWORK, AND ALL ASSOCIATED COMPONENTS.
S	METAL LINEAR CEILING REFER TO ALTERNATE 6C

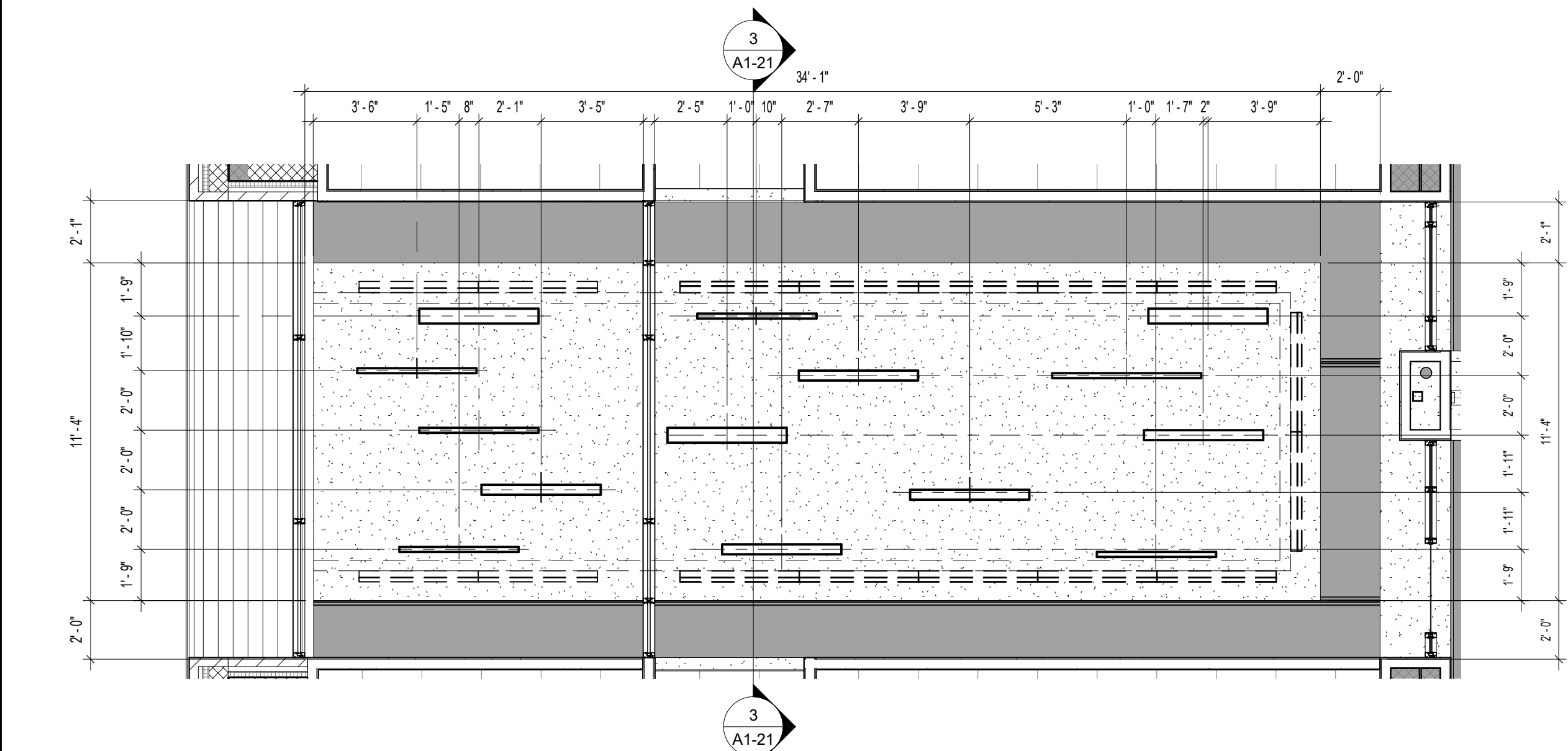
SYMBOL	DESCRIPTION
(Symbol)	LINEAR PENDANT
(Symbol)	2 X 4 LED FIXTURE
(Symbol)	RETURN AIR GRILLE
(Symbol)	SUPPLY AIR DIFFUSER
(Symbol)	CAN STYLE FIXTURE
(Symbol)	HANGING LED FIXTURE
(Symbol)	WALL MOUNTED LED UPLIGHT
(Symbol)	48" X 48" TRANSLUCENT ROOF ASSEMBLY
(Symbol)	48" X 96" TRANSLUCENT ROOF ASSEMBLY
(Symbol)	WALLS TO BE SEALED TO ROOF DECK TO SEPARATE PLENUM AREAS (NON-COMBUSTIBLE METAL ROOF DECK) FROM NON PLENUM AREAS (COMBUSTIBLE HEAVY TIMBER ROOF DECK)
(Symbol)	EXIT SIGN

GENERAL NOTES:

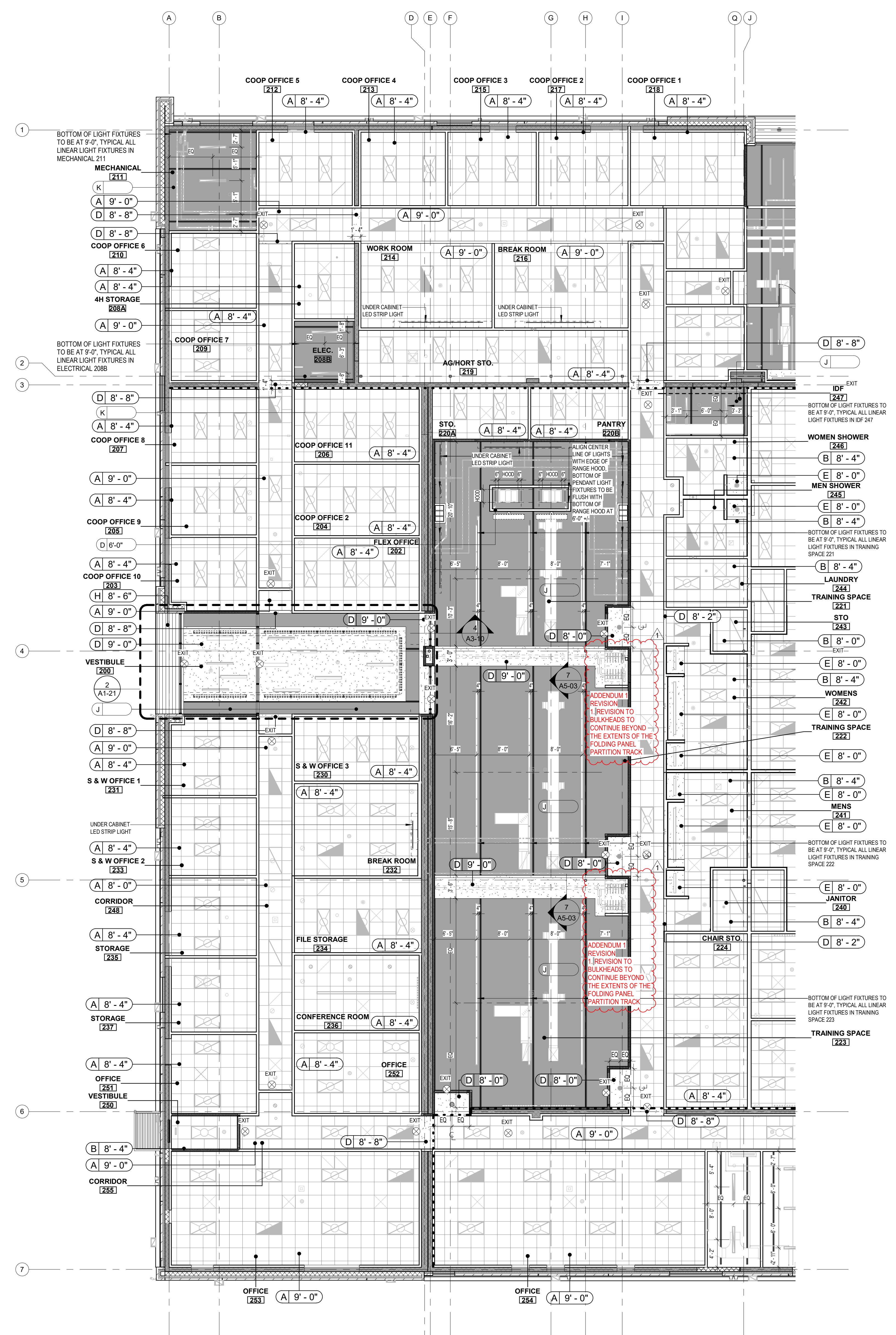
- REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR COMPLETE SCOPE OF CEILING PENETRATIONS AND FIXTURES.
- REFER TO PROJECT SPECIFICATIONS FOR COMPLETE DESCRIPTION OF CEILING MATERIAL.



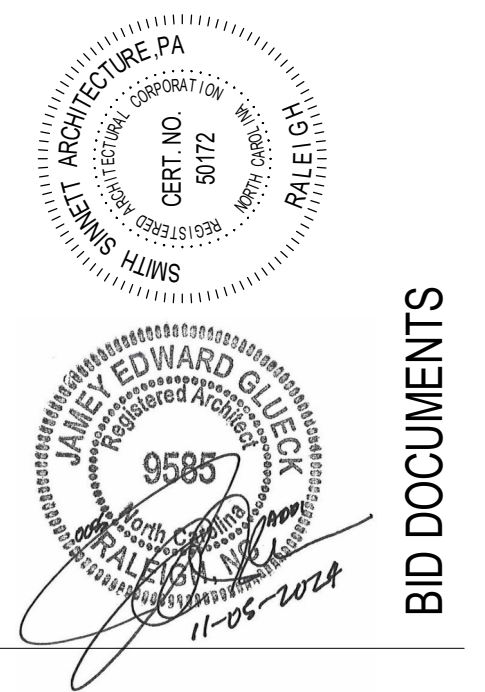
3 SECTION THROUGH LOBBY 201 GYPSUM CEILING
A1-21 1/4" = 1'-0"



2 ENLARGED REFLECTED CEILING PLAN - VESTIBULE 200 AND LOBBY 201
A1-21 1/4" = 1'-0"



1 REFLECTED CEILING PLAN - AREA B
A1-21 1/8" = 1'-0"



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ID	DATE	DESCRIPTION
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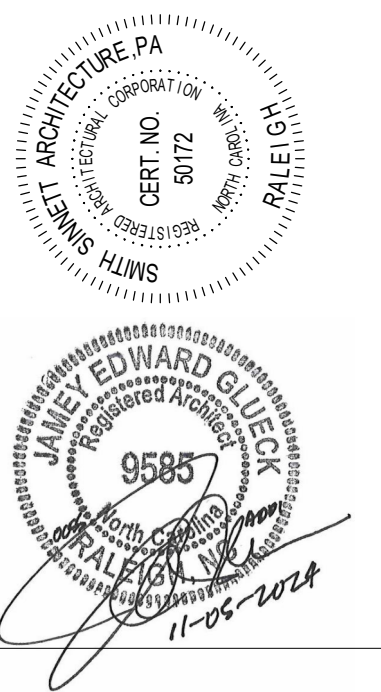
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1	11/05/2024	Addendum 1

ID	DATE	DESCRIPTION
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CHECKED BY: JEG

REFLECTED CEILING PLAN - AREA B



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ROOF PLAN -
OVERALL

2021029 05 NOV. 2024

A1-30

ROOF LEGEND:

	INDICATES DIRECTION OF ROOF SLOPE ACHIEVED THROUGH TAPERED INSULATION
DS	PREFINISHED ALUMINUM DOWNSPOUT, TYPICAL
WC-DS	PREFINISHED ALUMINUM DOWNSPOUT UNDER PROTECTIVE WALKWAY COVERING
	LOCATION OF SPOT ELEVATION
	BASE INSULATION + THICKNESS OF TAPERED INSULATION + 5/8" COVERBOARD + 1/8" SINGLY PLY ROOF MEMBRANE

ROOF TYPES LEGEND:

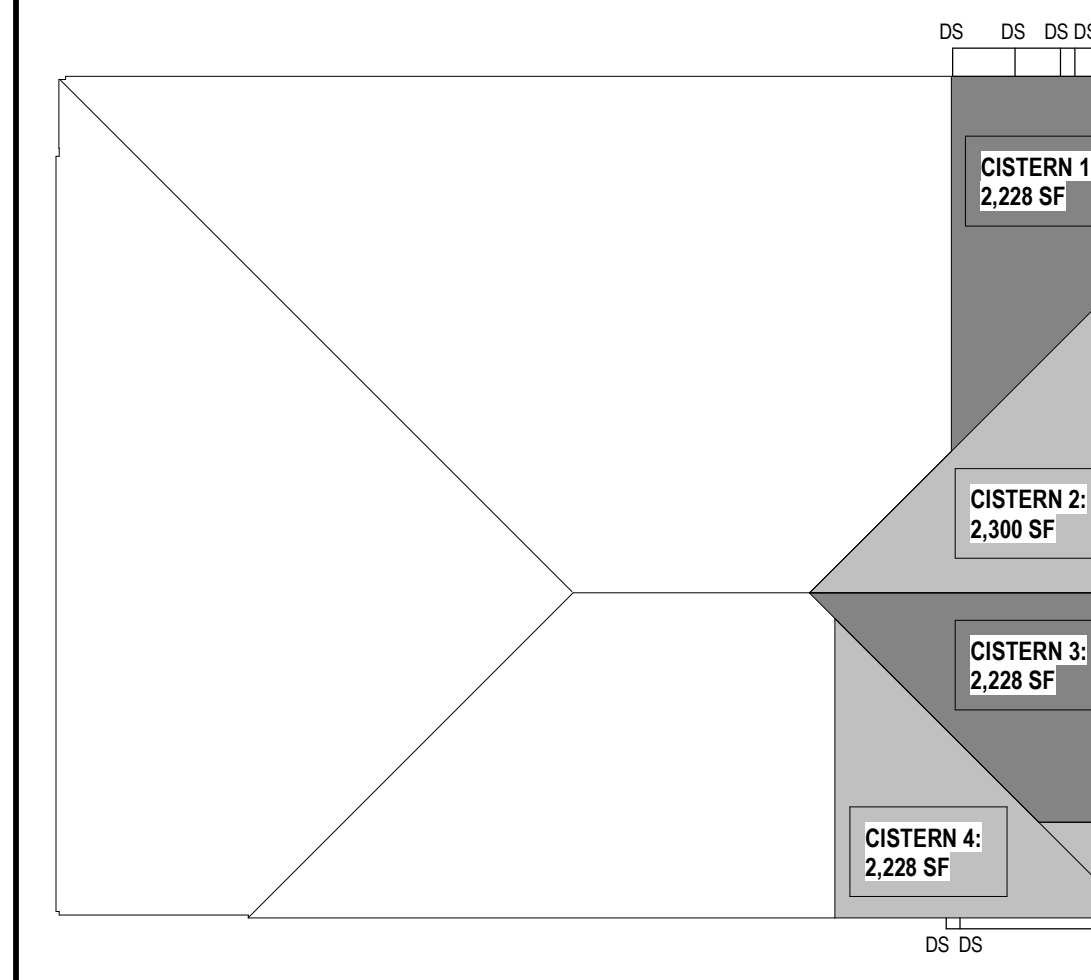
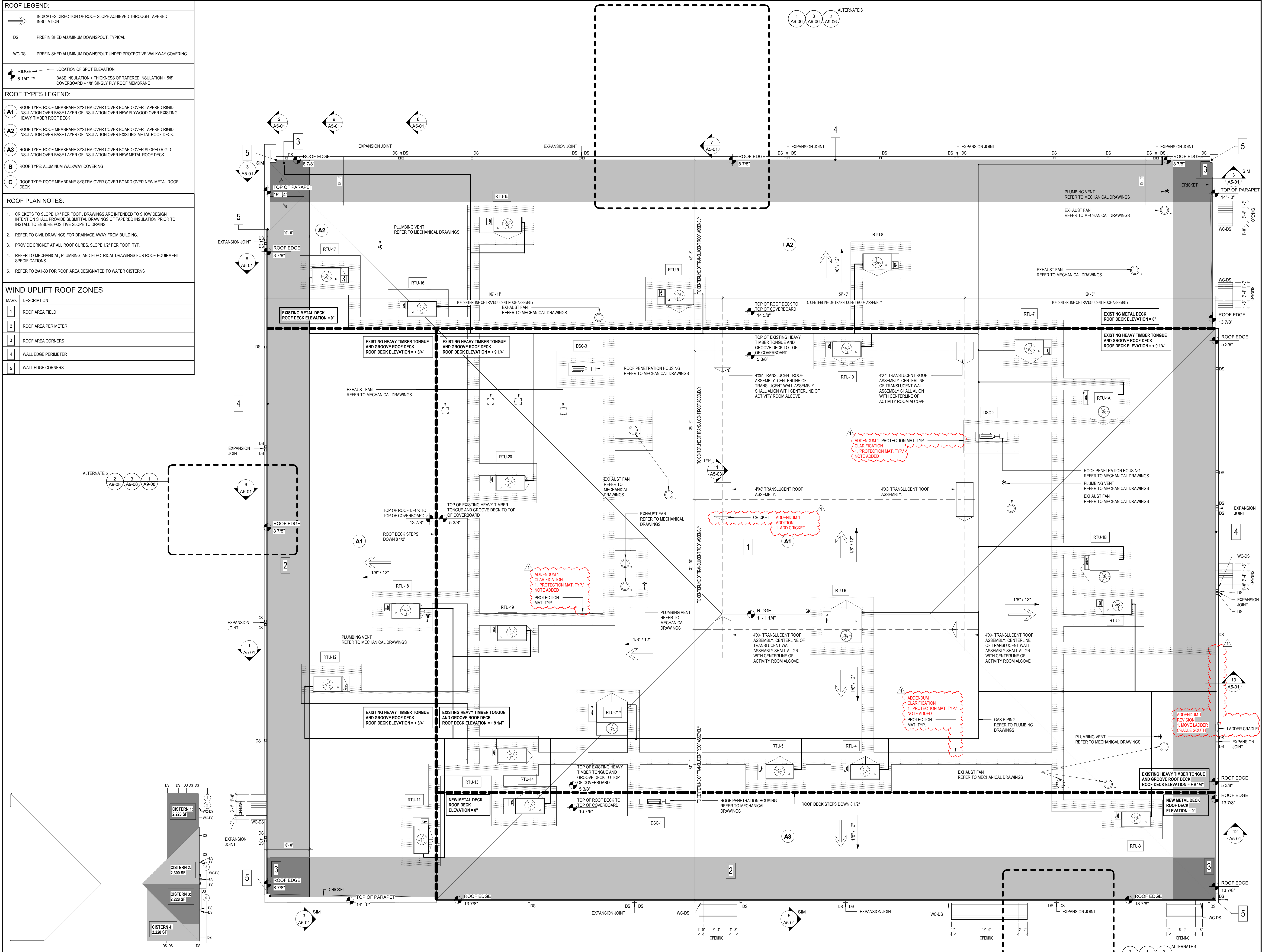
A1	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER TAPERED RIGID INSULATION OVER BASE LAYER OF INSULATION OVER NEW PLYWOOD OVER EXISTING HEAVY TIMBER ROOF DECK
A2	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER TAPERED RIGID INSULATION OVER BASE LAYER OF INSULATION OVER EXISTING METAL ROOF DECK
A3	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER SLOPED RIGID INSULATION OVER BASE LAYER OF INSULATION OVER NEW METAL ROOF DECK
B	ROOF TYPE: ALUMINUM WALKWAY COVERING
C	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER NEW METAL ROOF DECK

ROOF PLAN NOTES:

- CRICKETS TO SLOPE 1/4" PER FOOT. DRAWINGS ARE INTENDED TO SHOW DESIGN INTENTION SHALL PROVIDE SUBMITTAL DRAWINGS OF TAPERED INSULATION PRIOR TO INSTALL TO ENSURE POSITIVE SLOPE TO DRAINS.
- REFER TO CIVIL DRAWINGS FOR DRAINAGE AWAY FROM BUILDING.
- PROVIDE CRICKET AT ALL ROOF CURBS. SLOPE 1/2" PER FOOT TYP.
- REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ROOF EQUIPMENT SPECIFICATIONS.
- REFER TO 21A1-30 FOR ROOF AREA DESIGNATED TO WATER CISTERNS

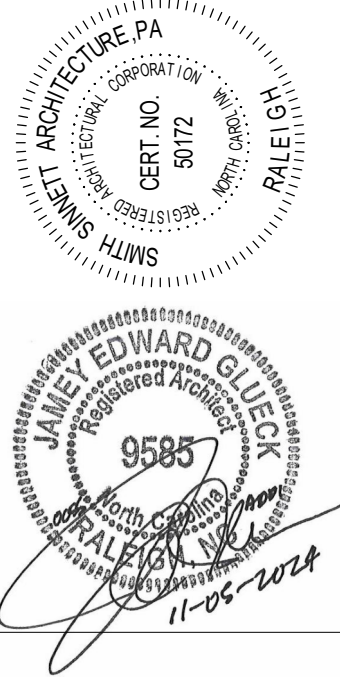
WIND UPLIFT ROOF ZONES

MARK	DESCRIPTION
1	ROOF AREA FIELD
2	ROOF AREA PERIMETER
3	ROOF AREA CORNERS
4	WALL EDGE PERIMETER
5	WALL EDGE CORNERS



2 A1-30 CISTERN ROOF AREA ZONES
1" = 40'-0"

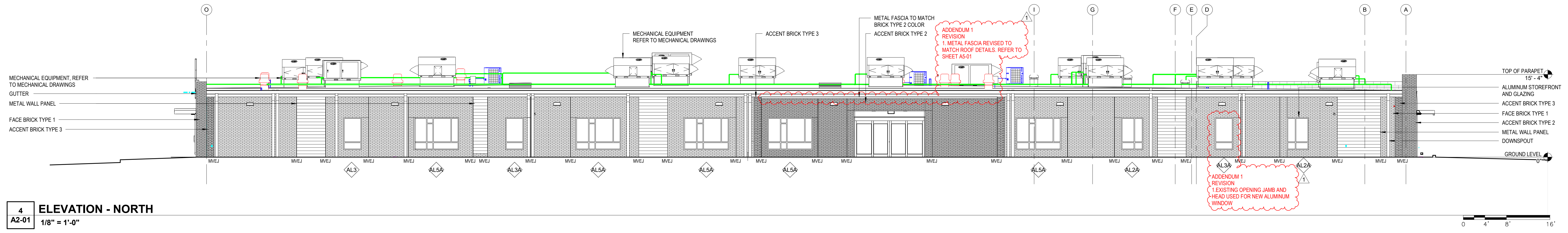
1 A1-30 ROOF PLAN
1/8" = 1'-0"



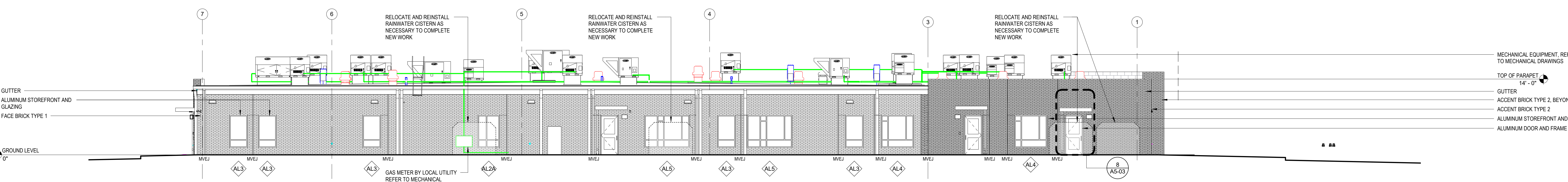
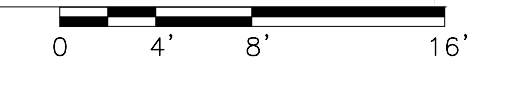
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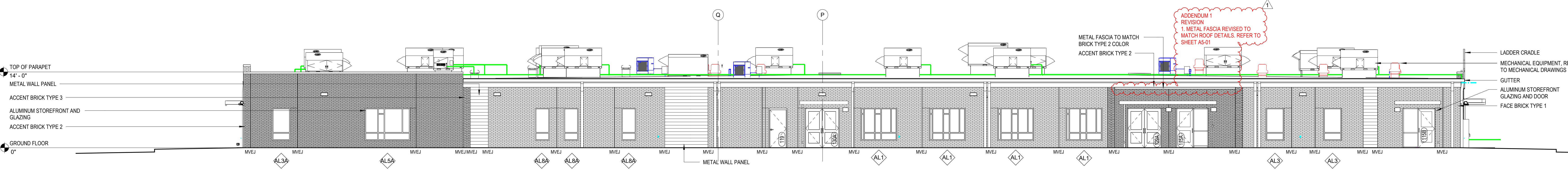
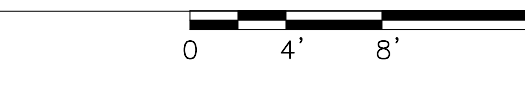
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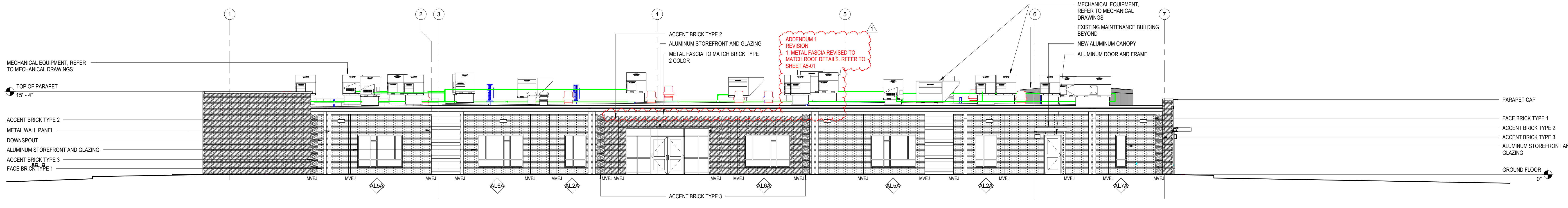
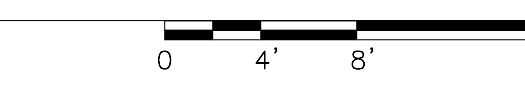
4
A2-01
ELEVATION - NORTH
1/8" = 1'-0"



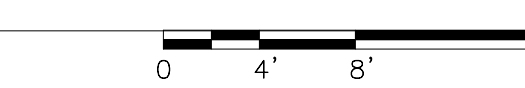
3
A2-01
ELEVATION - EAST
1/8" = 1'-0"



2
A2-01
ELEVATION - SOUTH
1/8" = 1'-0"



1
A2-01
ELEVATION - WEST
1/8" = 1'-0"



Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION
1	11/05/2024	Addendum 1

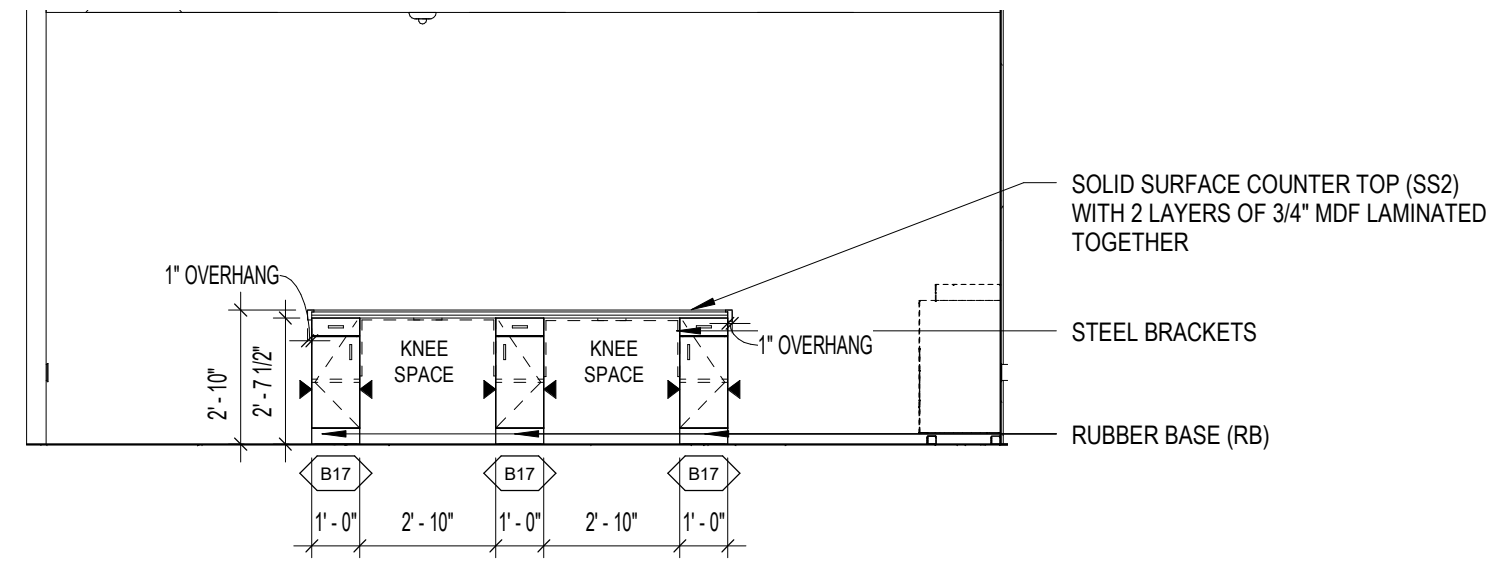
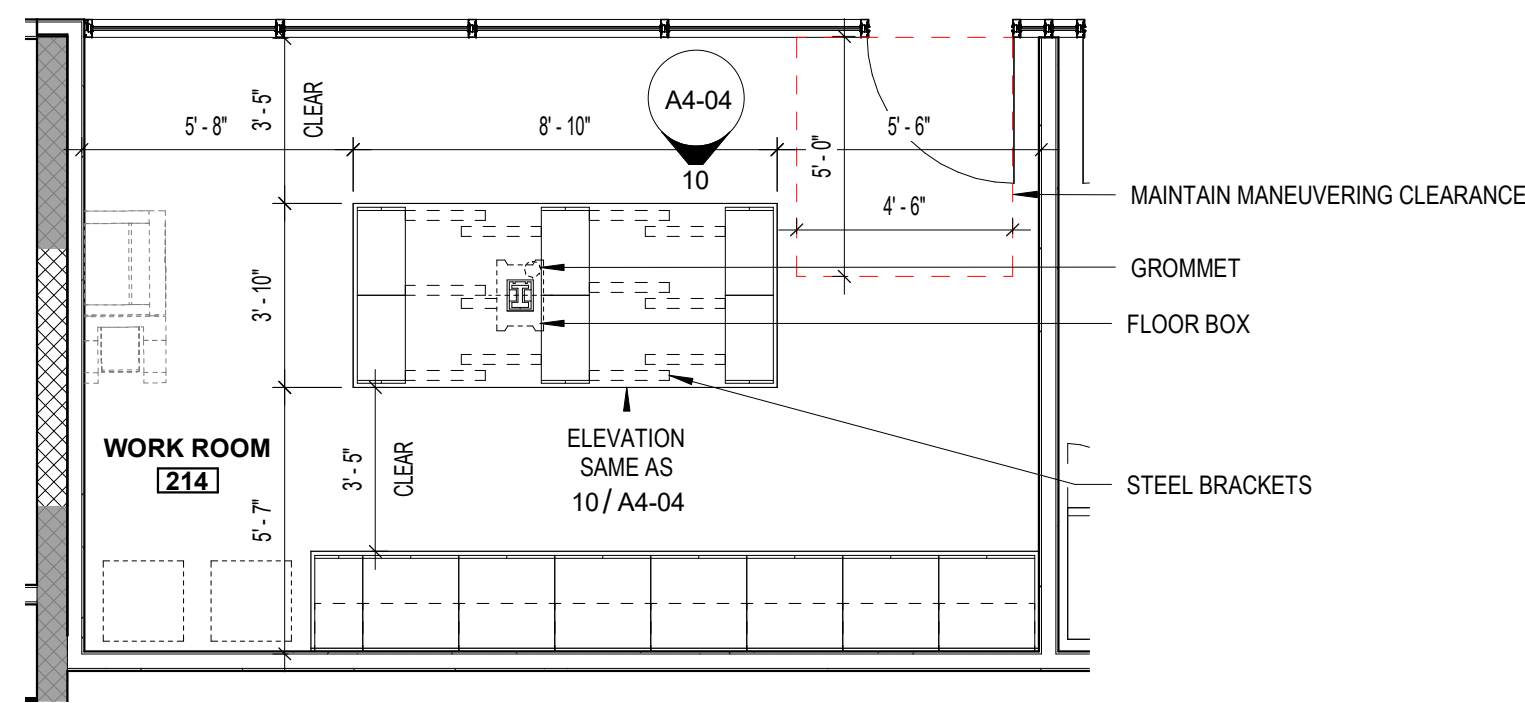
DRAWN BY: FA
CHECKED BY: JEG
OVERALL BUILDING ELEVATIONS

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CASEWORK LEGEND:

MARK	DESCRIPTION
B16	2'-0" DEEP BASE CABINET, ONE HINGED DOOR WITH ONE ADJUSTABLE SHELF, ONE 6" HIGH DRAWER. HEIGHT/WIDTH VARIES.
B17	1'-10" DEEP BASE CABINET, ONE HINGED DOOR WITH ONE ADJUSTABLE SHELF, ONE 6" HIGH DRAWER. HEIGHT/WIDTH VARIES.

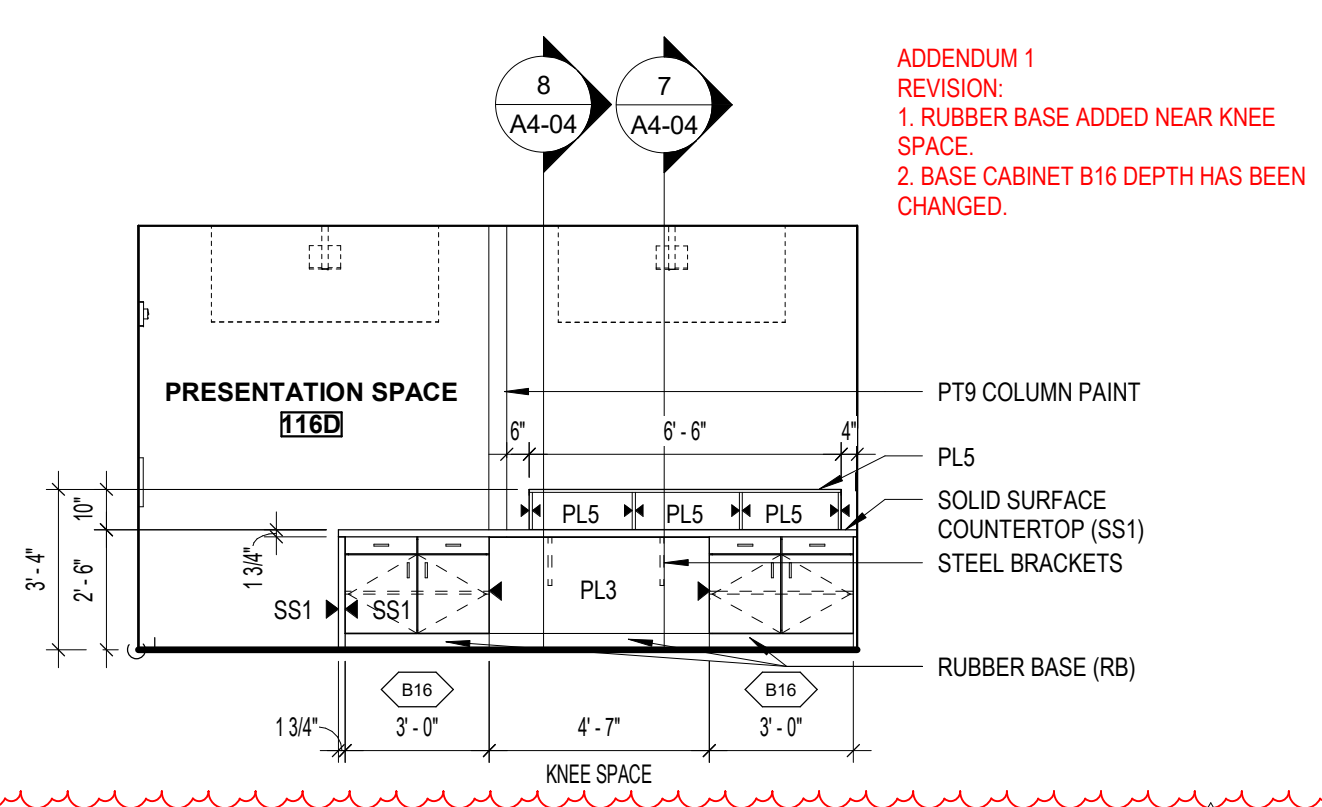
ADDENDUM 1
ADDITION:
1. CASEWORK LEGEND ADDED



ADDENDUM 1
ADDITION:
1. ISLAND CASEWORK ADDED IN WORK ROOM 214.
2. FLOOR BOX ADDED IN WORK ROOM 214. REFER TO ELECTRICAL THIS ADDENDUM.

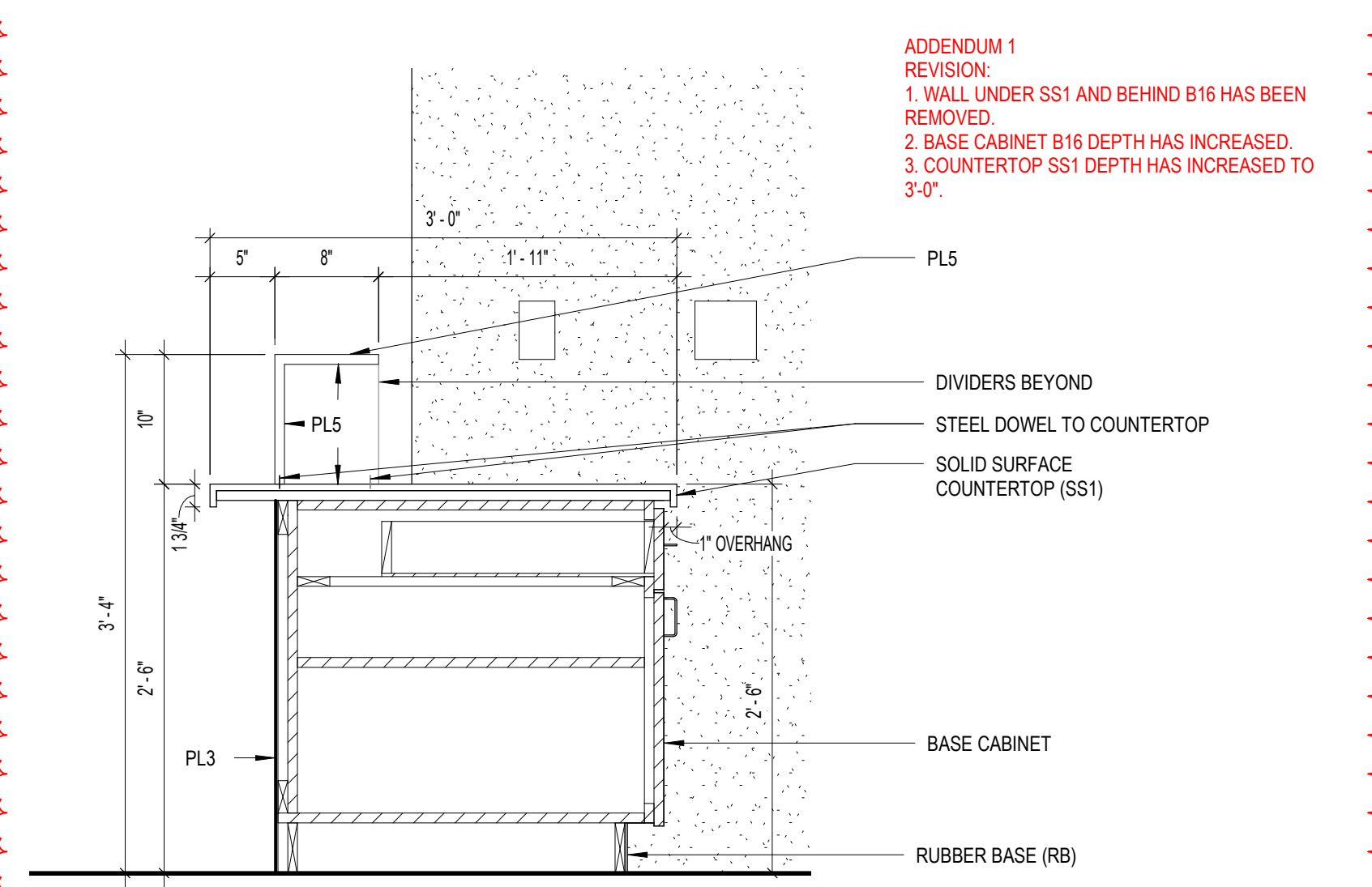
9 WORK ROOM 214- ENLARGED PLAN
A4-04 1/4" = 1'-0"

10 WORK ROOM 214 - ISLAND CASEWORK SOUTH ELEVATION
A4-04 1/4" = 1'-0"



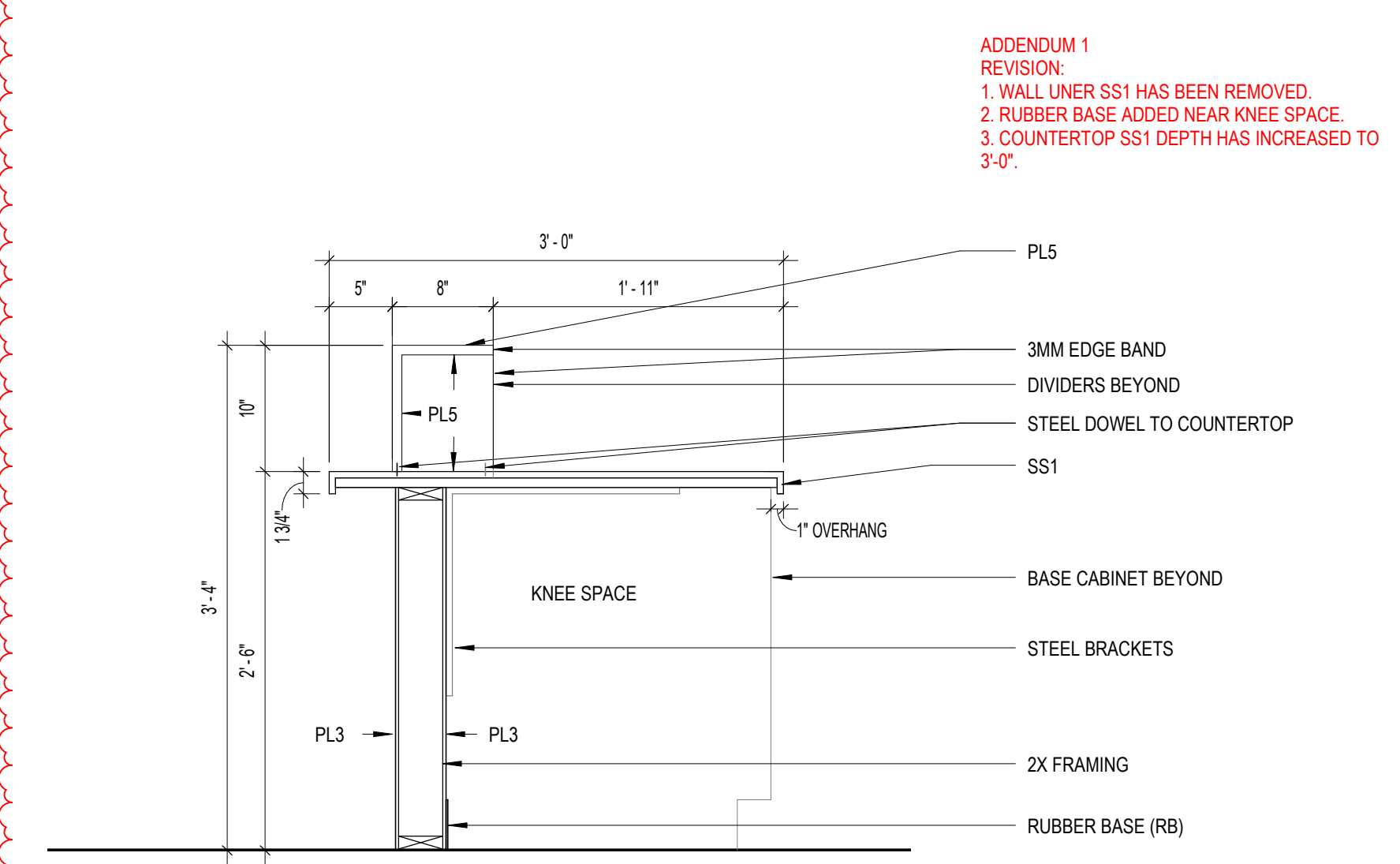
ADDENDUM 1
REVISION:
1. RUBBER BASE ADDED NEAR KNEE SPACE.
2. BASE CABINET B16 DEPTH HAS BEEN CHANGED.

6 ACTIVITY ROOM A 116A CABINET ELEVATION
A4-04 1/4" = 1'-0"



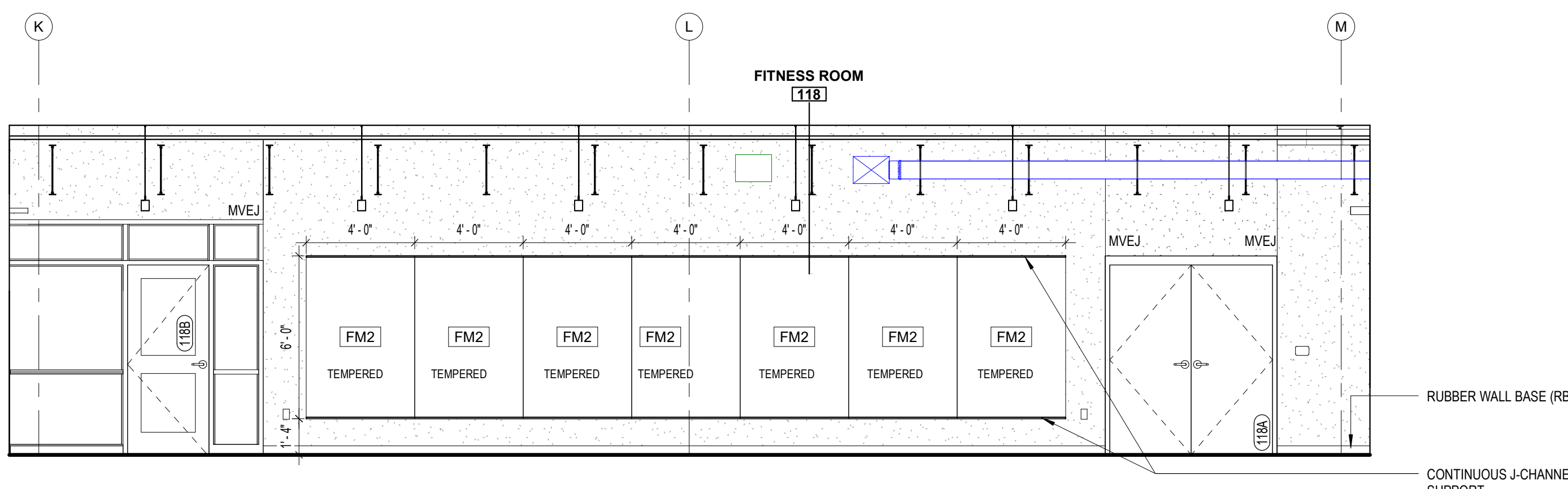
ADDENDUM 1
REVISION:
1. WALL LINER SS1 AND BEHIND B16 HAS BEEN REMOVED.
2. BASE CABINET B16 DEPTH HAS INCREASED.
3. COUNTERTOP SS1 DEPTH HAS INCREASED TO 3'-0".

7 ACTIVITY ROOM 116A CABINET SECTION
A4-04 1" = 1'-0"

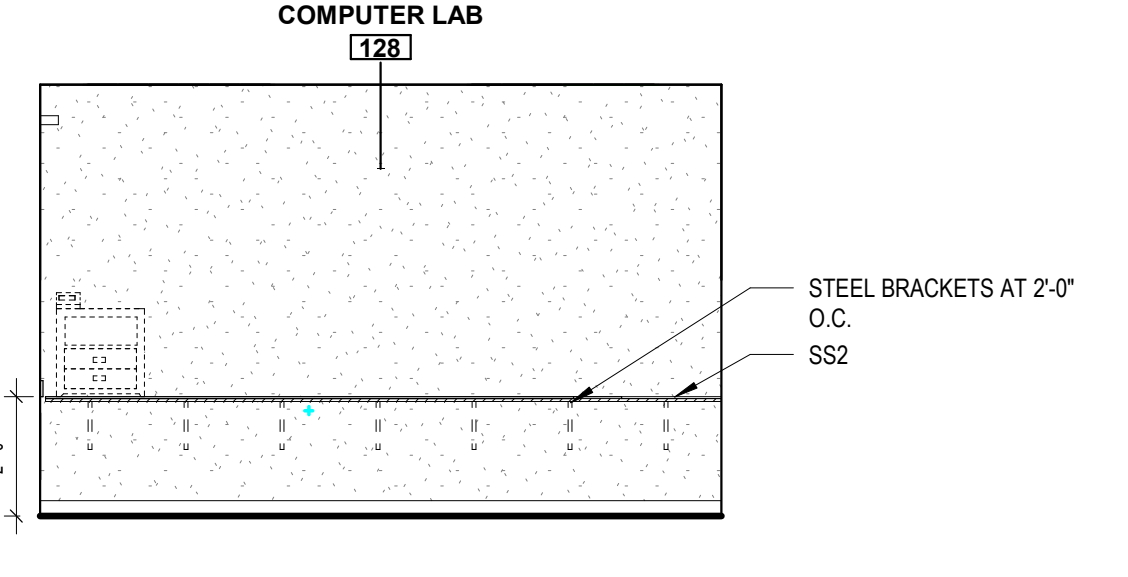


ADDENDUM 1
REVISION:
1. WALL LINER SS1 HAS BEEN REMOVED.
2. RUBBER BASE ADDED NEAR KNEE SPACE.
3. COUNTERTOP SS1 DEPTH HAS INCREASED TO 3'-0".

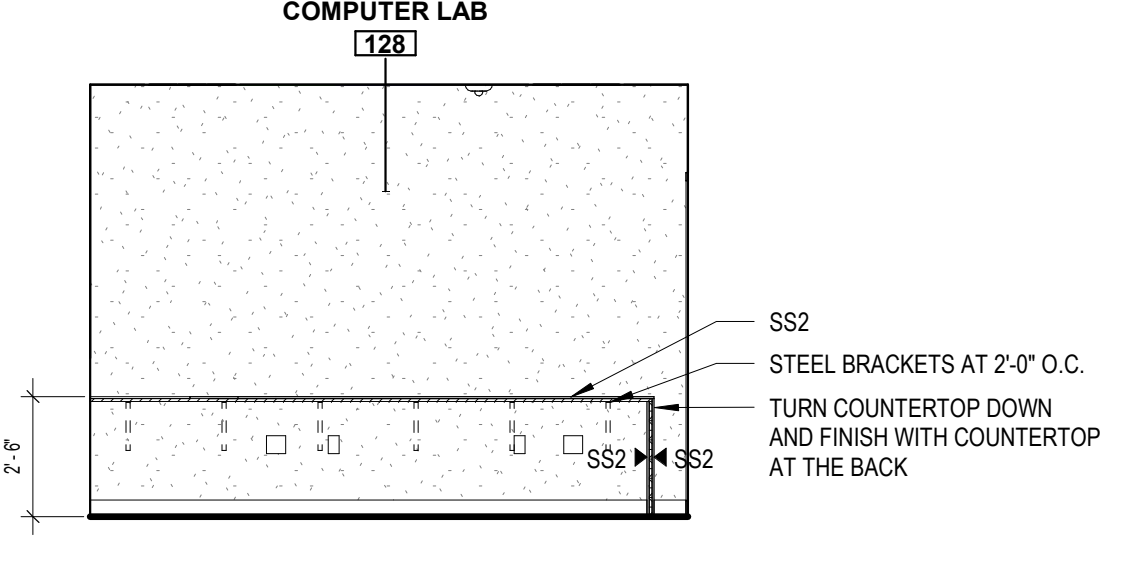
8 ACTIVITY ROOM CABINET 116A SECTION
A4-04 1" = 1'-0"



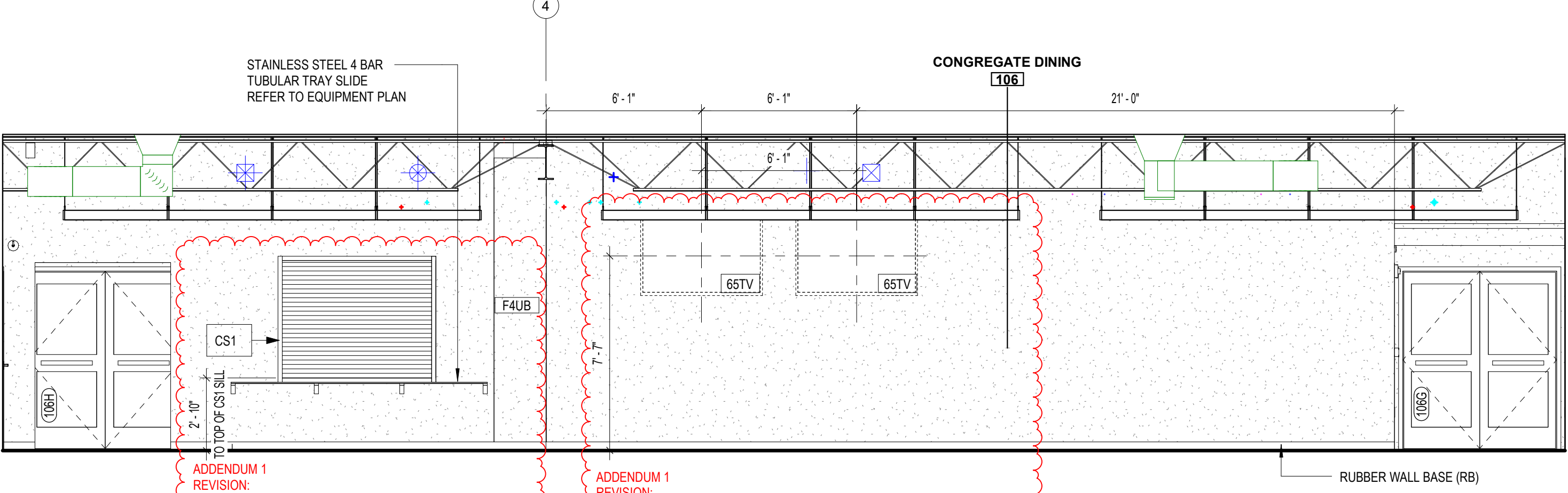
3 FITNESS ROOM - NORTH ELEVATION
A4-04 1/4" = 1'-0"



4 128 COMPUTER LAB - WEST ELEVATION
A4-04 1/4" = 1'-0"



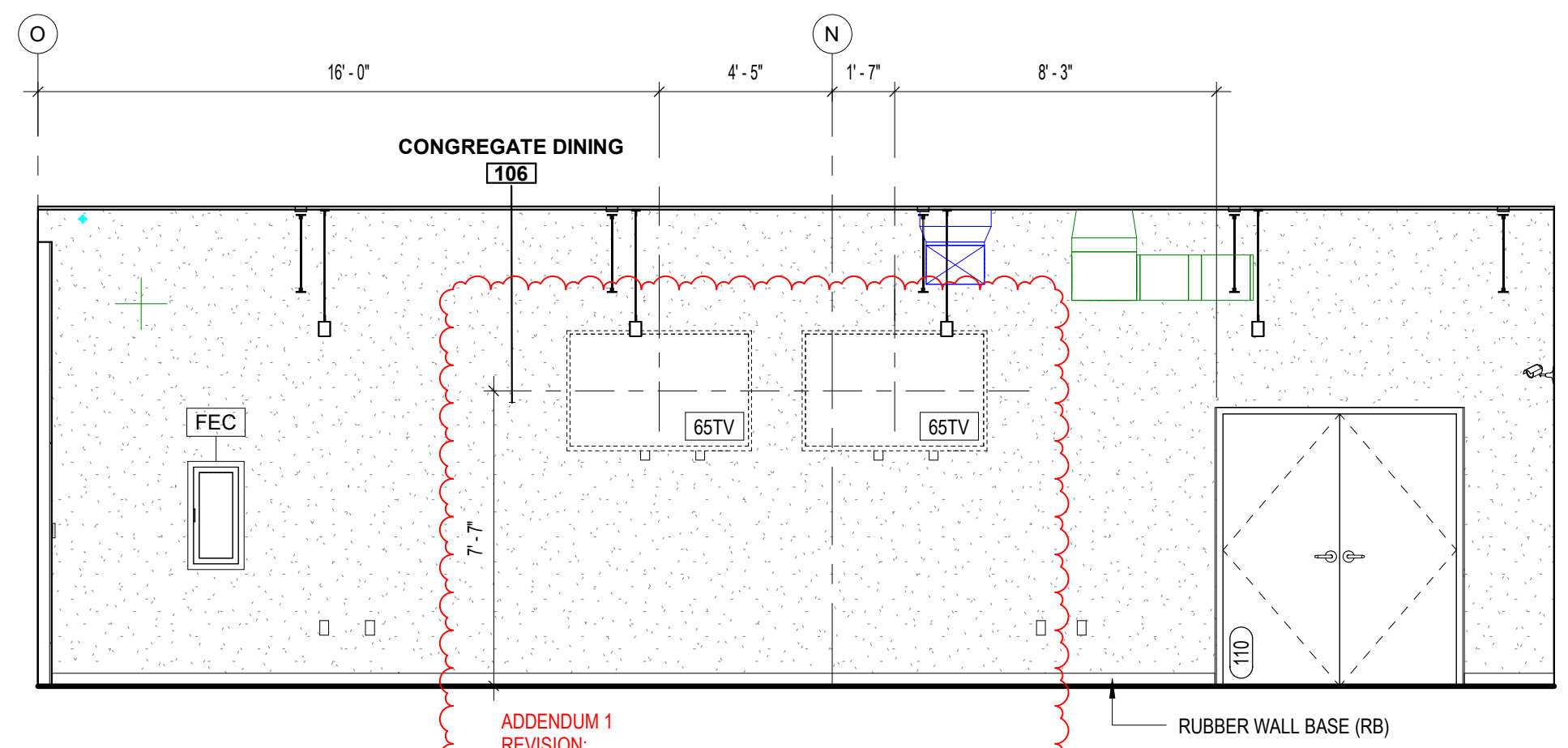
5 128 COMPUTER LAB - NORTH ELEVATION
A4-04 1/4" = 1'-0"



ADDENDUM 1
REVISION:
1. DIMENSION 2'-10" CHANGED TO TOP OF CS1 SILL HEIGHT.

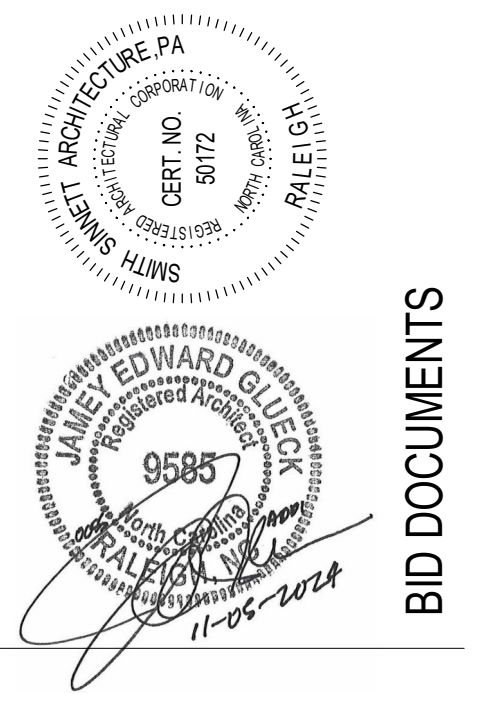
ADDENDUM 1
REVISION:
1. TV HEIGHT CHANGED TO 7'-7" TO CENTER.

1 106 CONGREGATE DINING - WEST ELEVATION
A4-04 1/4" = 1'-0"



ADDENDUM 1
REVISION:
1. TV HEIGHT CHANGED TO 7'-7" TO CENTER.

2 106 CONGREGATE DINING - SOUTH ELEVATION
A4-04 1/4" = 1'-0"



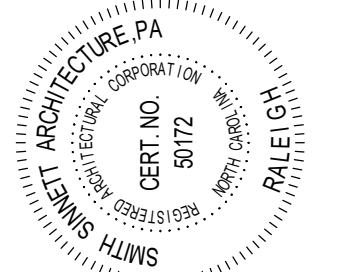
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ID	DATE	ADDENDUM	DESCRIPTION
1	11/05/2024	ADDENDUM 1	

DRAWN BY: FANB
CHECKED BY: JEG
INTERIOR ELEVATIONS

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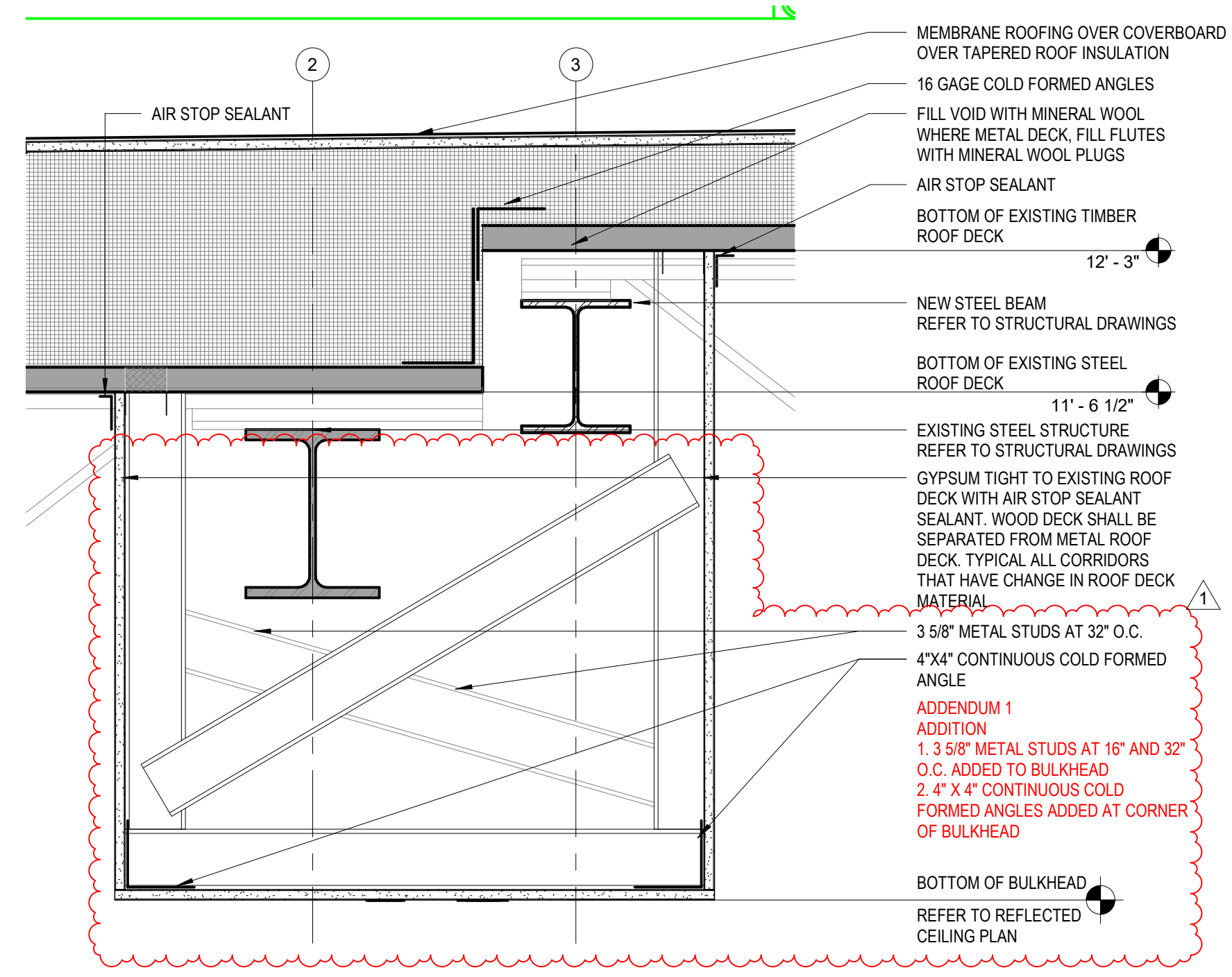
ID	DATE	Description
1	11/05/2024	Addendum 1

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CHECKED BY: JEG

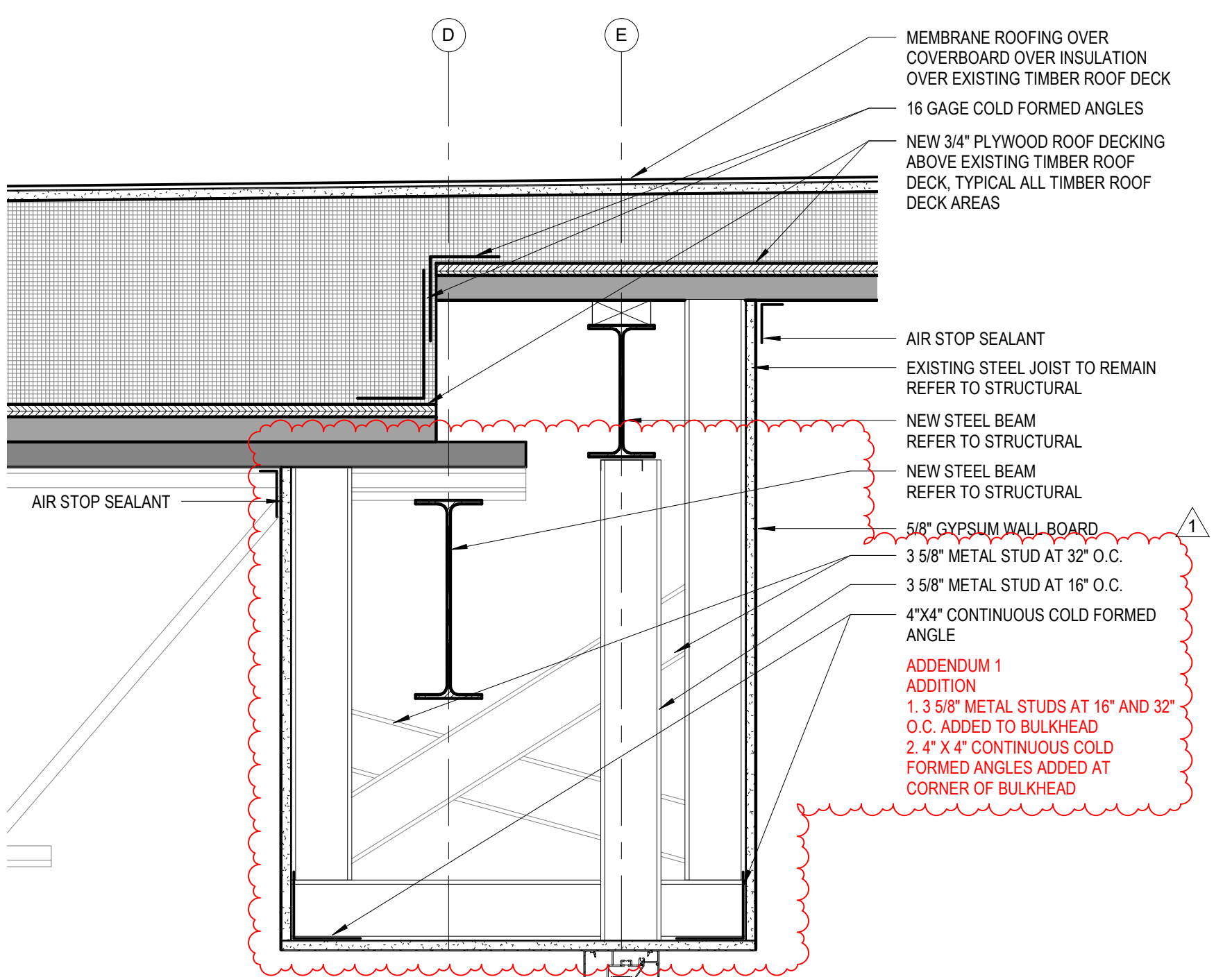
ROOF DETAILS

2021029 05 NOV. 2024

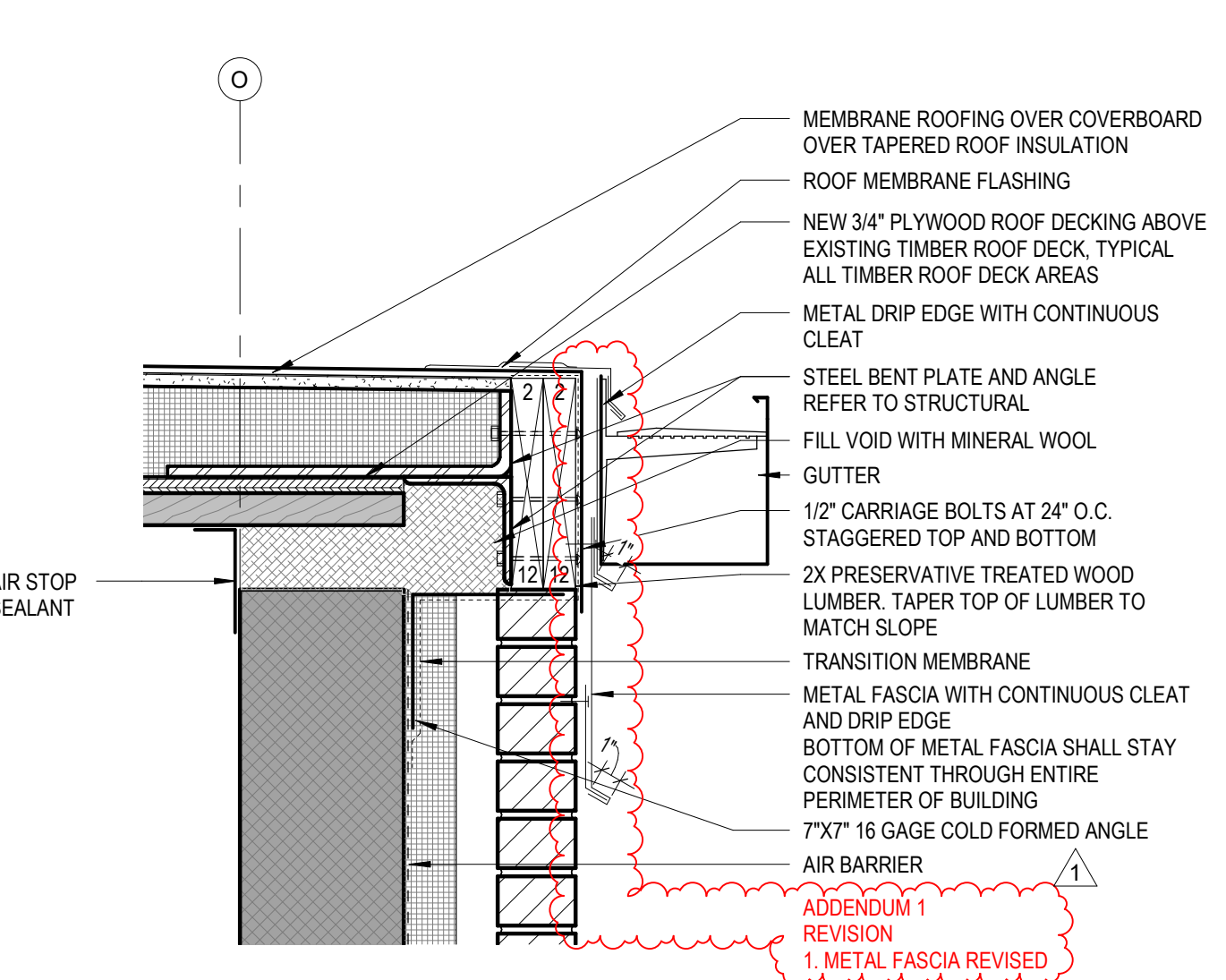
A5-01



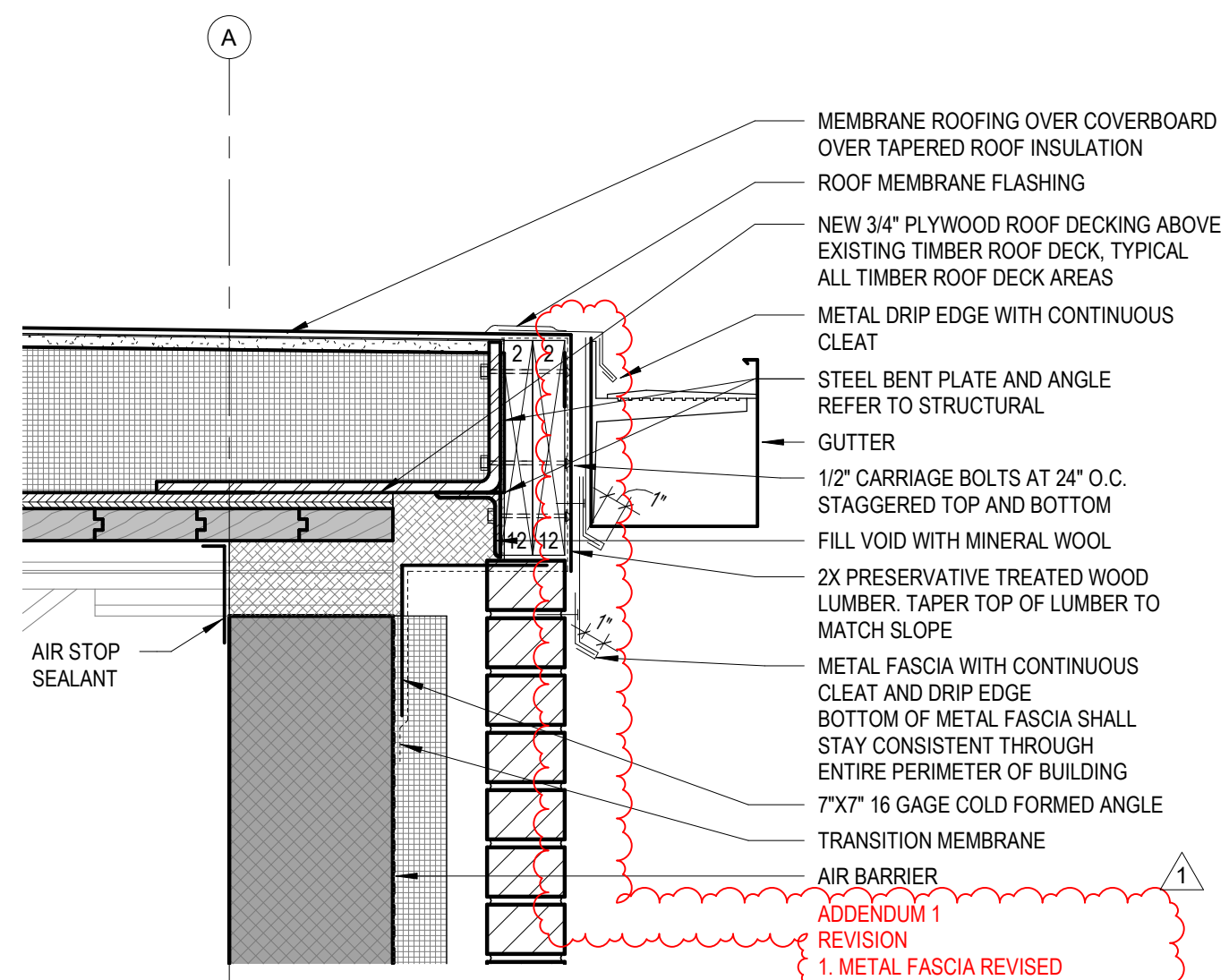
10 ROOF DETAIL
A5-01 1 1/2" = 1'-0"



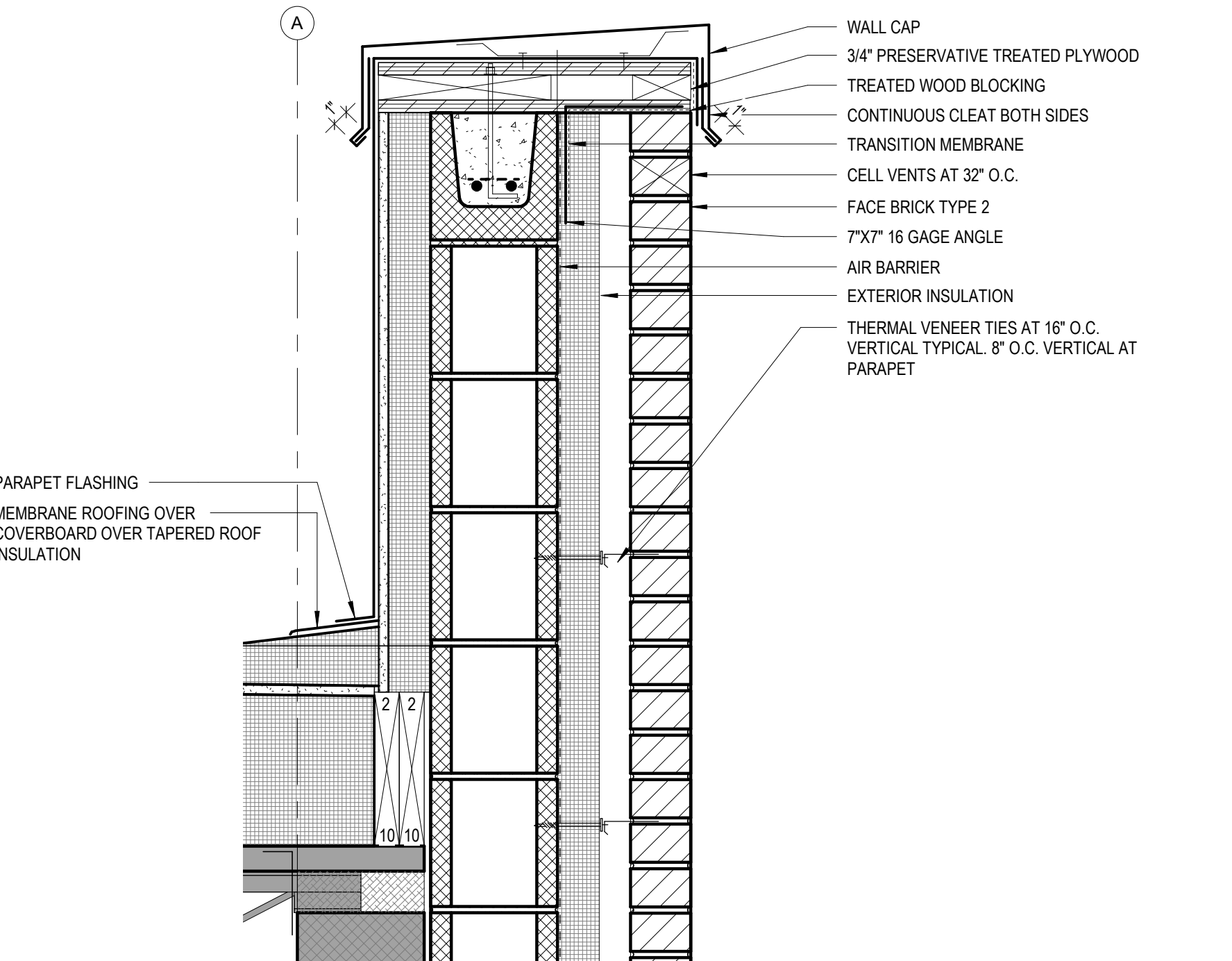
4 HEAVY TIMBER ROOF DECK STEP UP DETAIL
A5-01 1 1/2" = 1'-0"



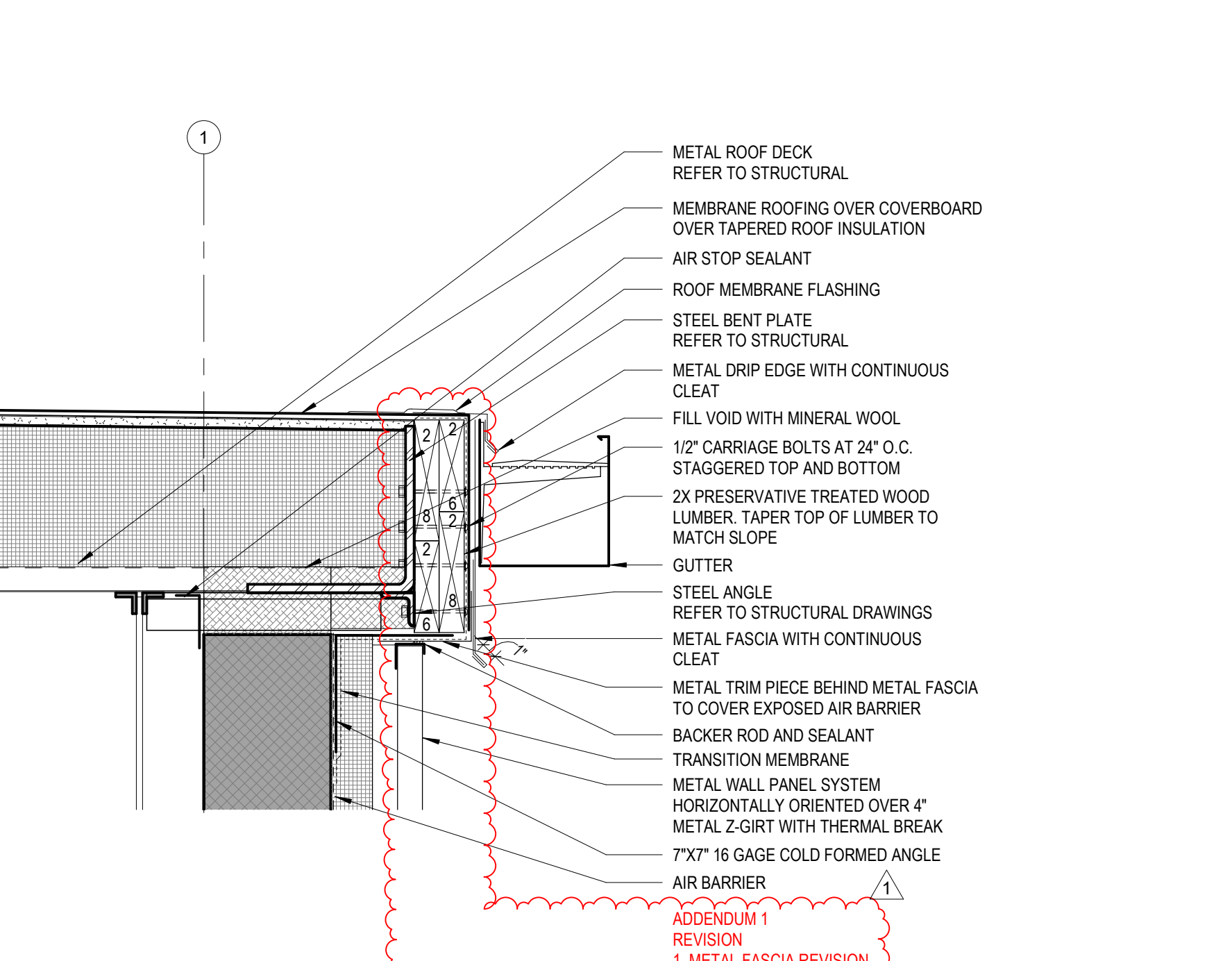
13 HEAVY TIMBER PERPENDICULAR TO JOIST
A5-01 1 1/2" = 1'-0"



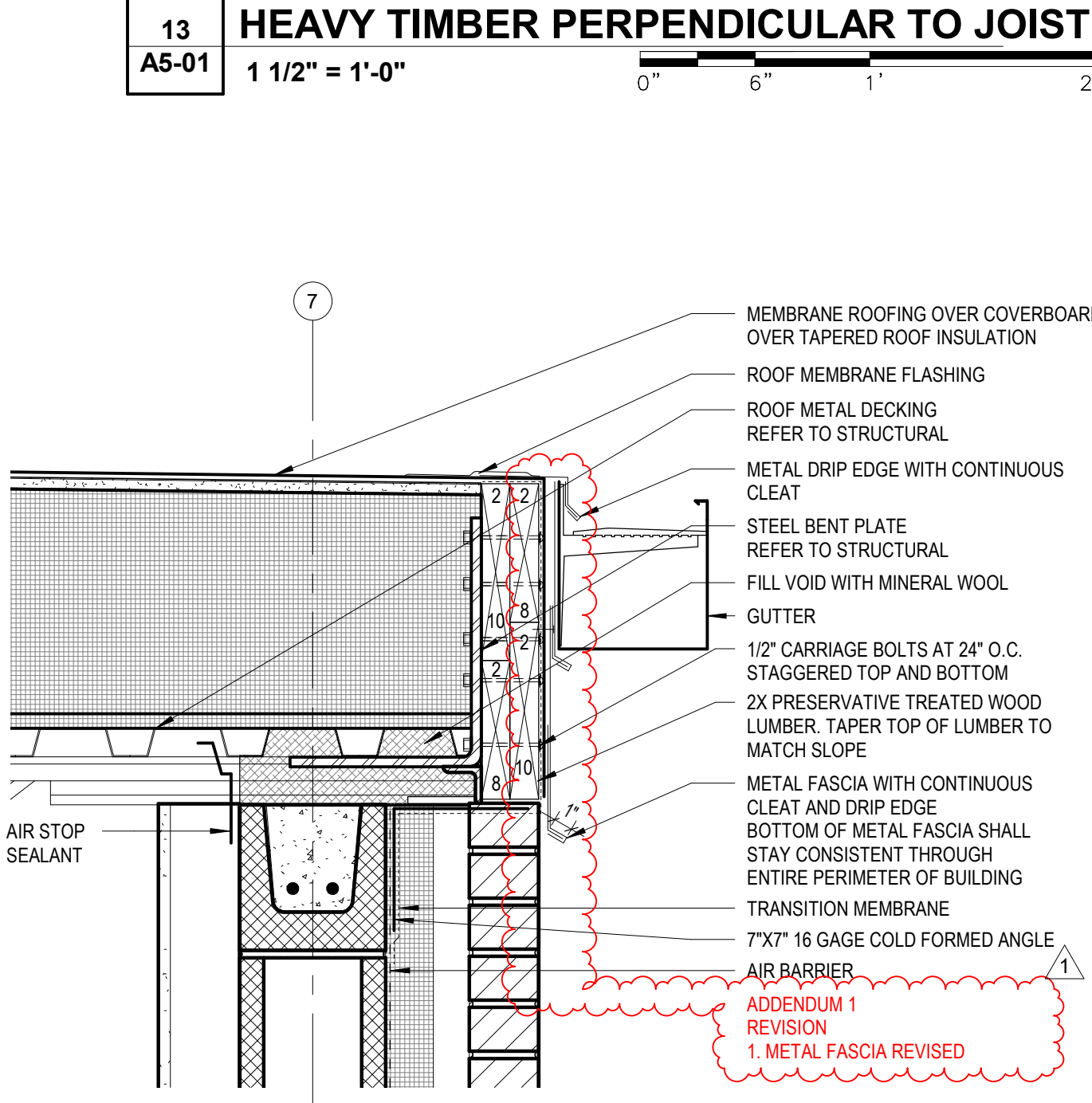
1 HEAVY TIMBER PARALLEL TO JOIST ROOF EDGE DETAIL
A5-01 1 1/2" = 1'-0"



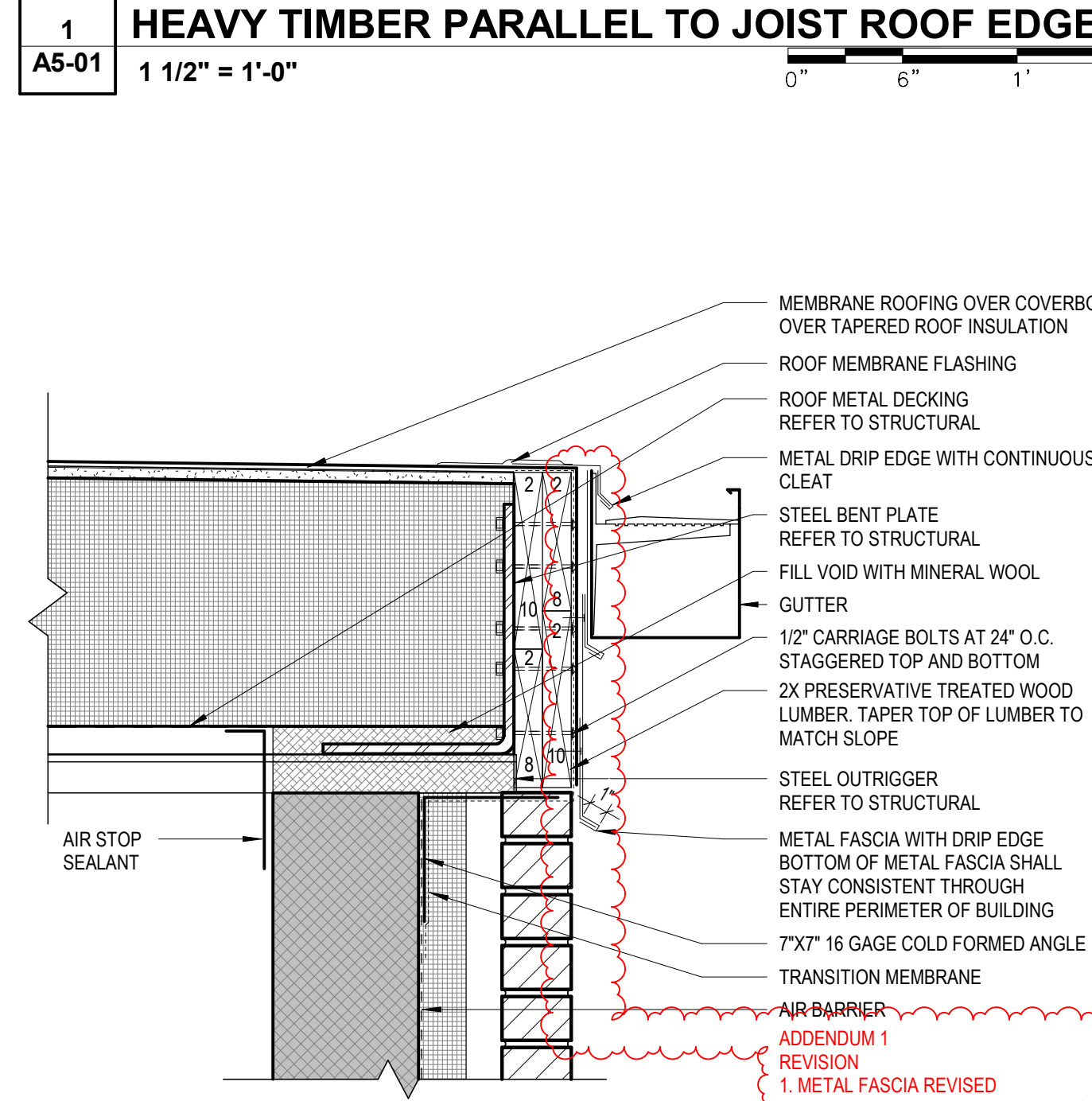
3 TYPICAL PARAPET DETAIL
A5-01 1 1/2" = 1'-0"



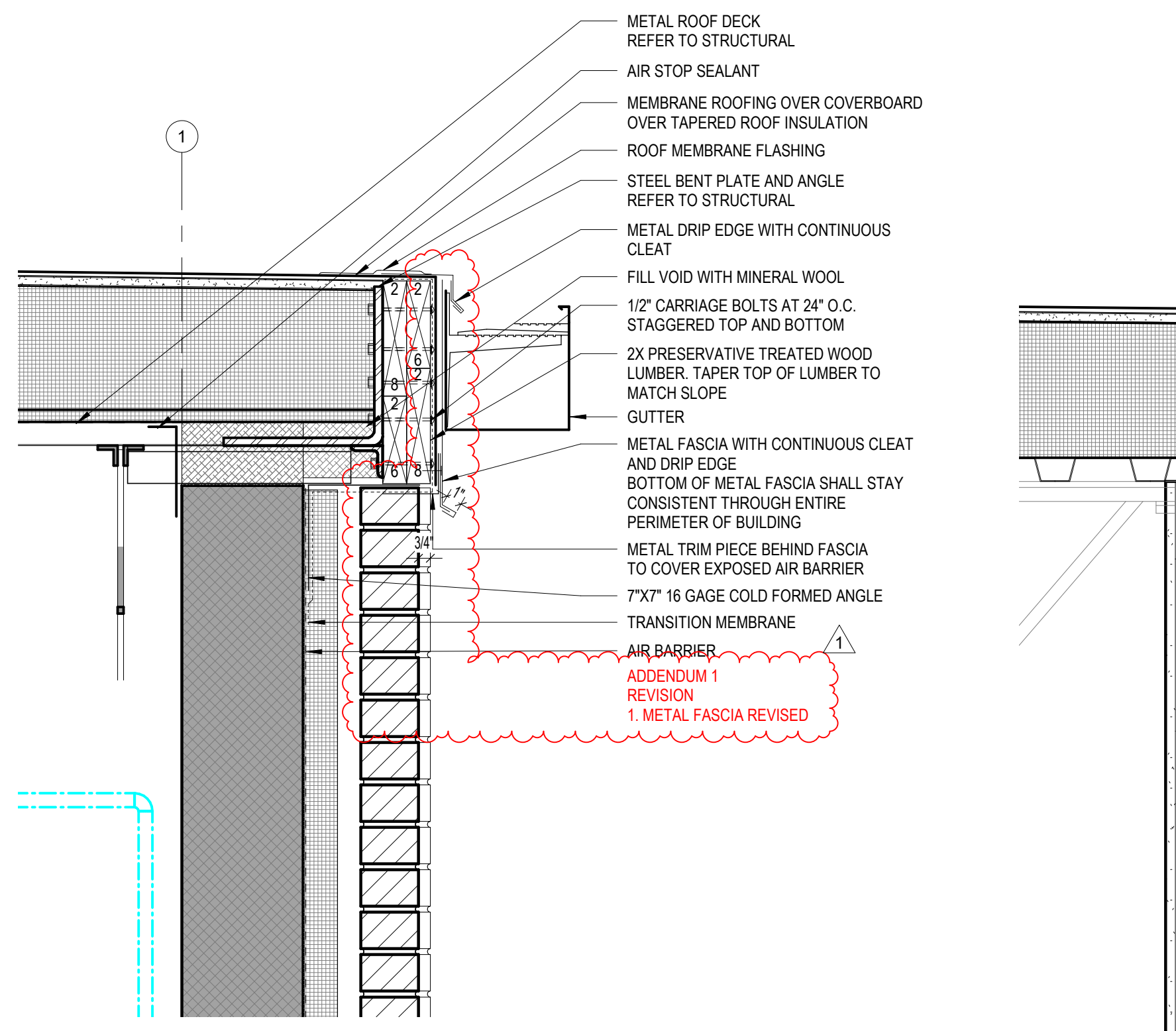
9 METAL DECK ROOF EDGE PERPENDICULAR TO JOIST DETAIL AT METAL WALL PANEL
A5-01 1 1/2" = 1'-0"



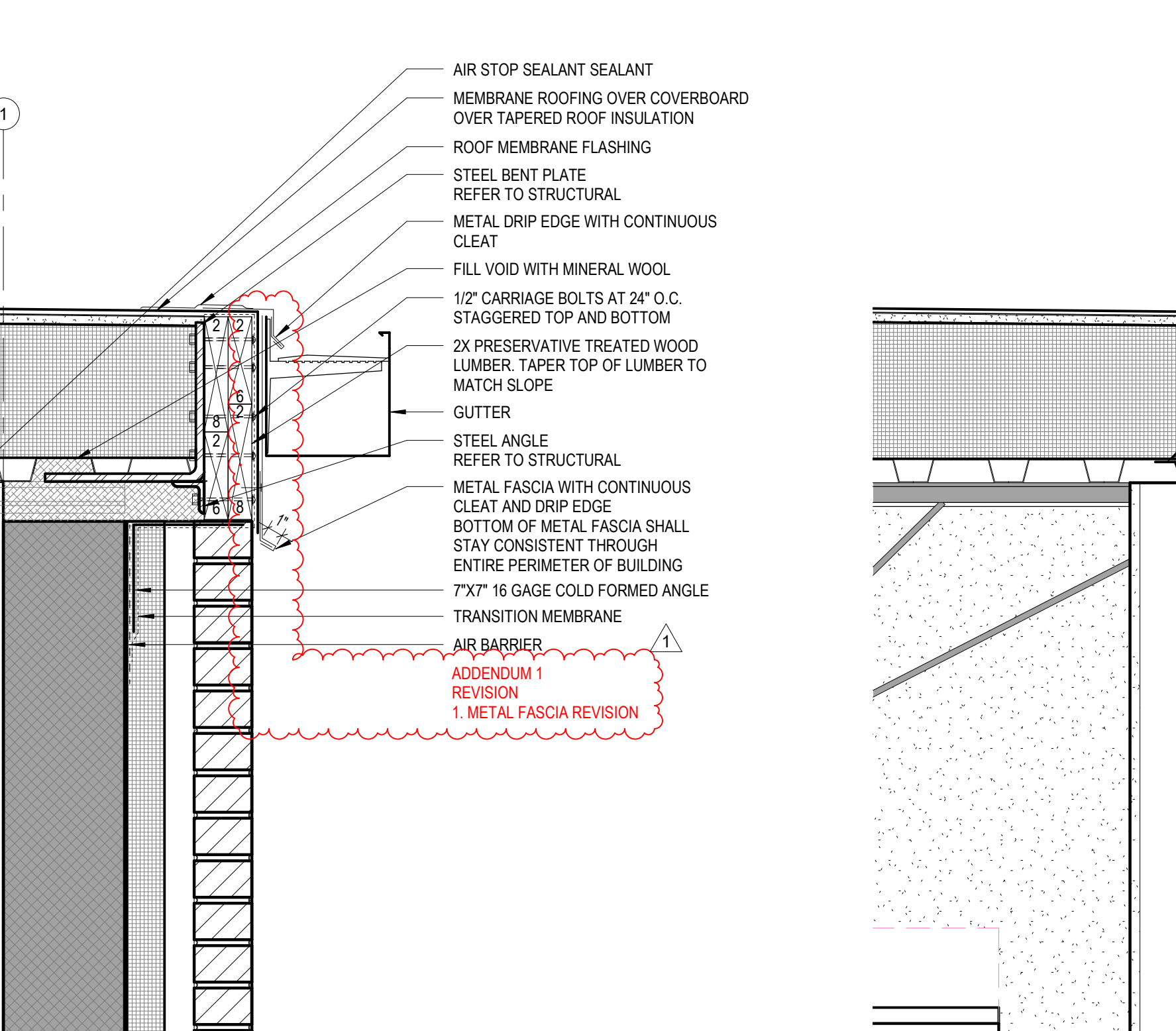
5 NEW METAL DECK ROOF EDGE PARALLEL TO JOIST DETAIL
A5-01 1 1/2" = 1'-0"



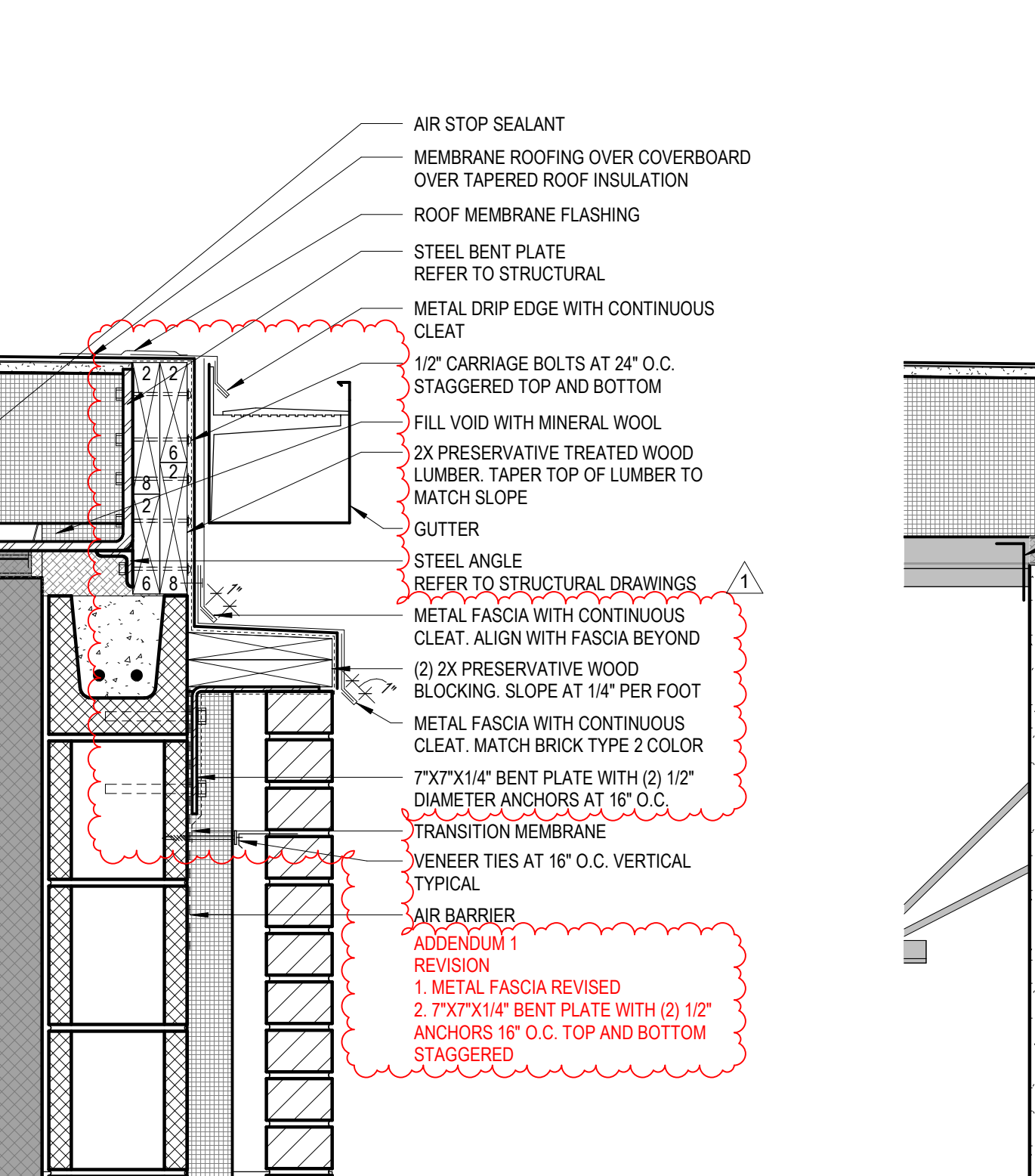
12 METAL DECK ROOF EDGE PERPENDICULAR TO JOIST DETAIL
A5-01 1 1/2" = 1'-0"



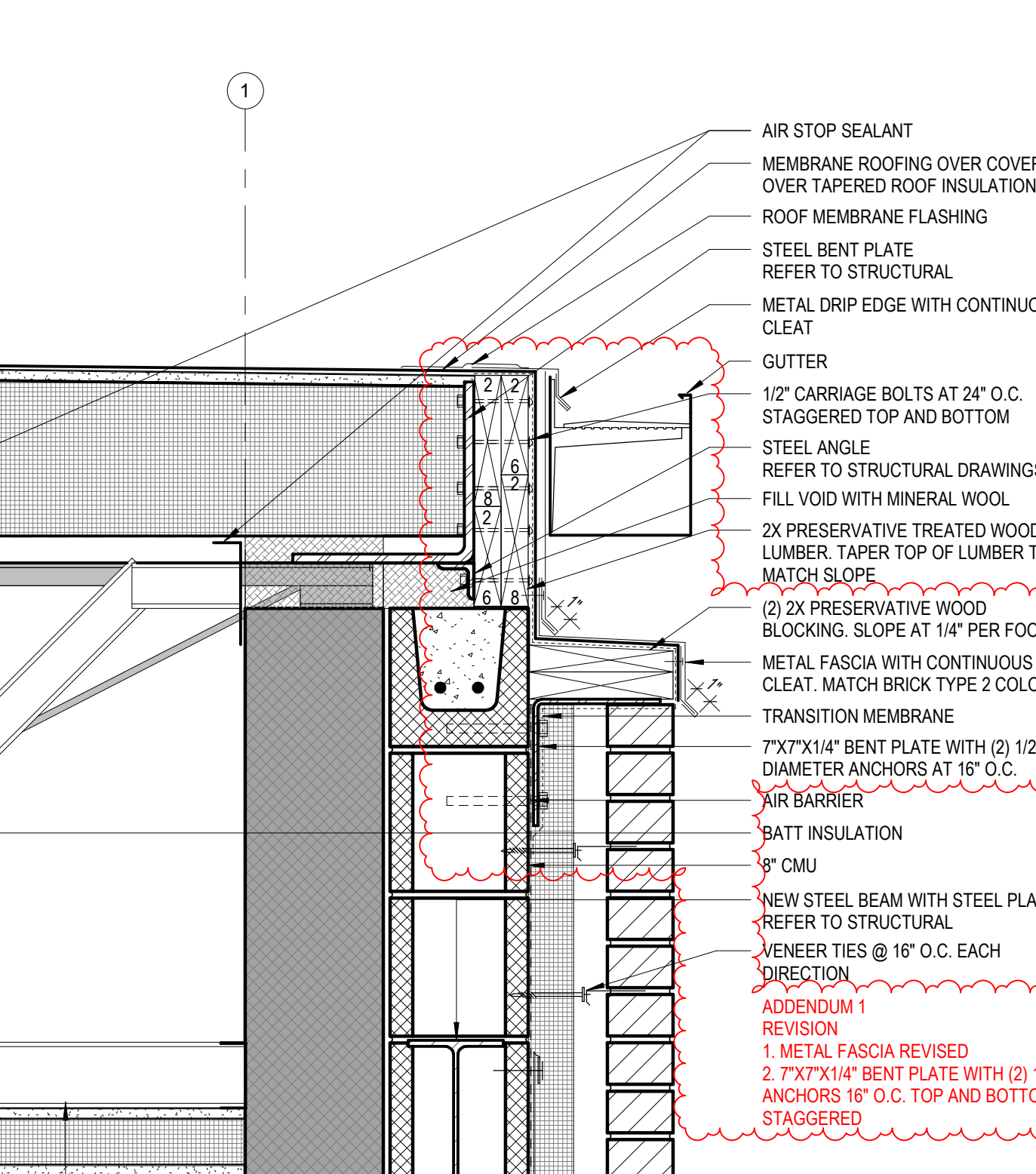
2 METAL DECK ROOF EDGE PERPENDICULAR TO JOIST DETAIL AT ACCENT BRICK TYPE 3
A5-01 1 1/2" = 1'-0"



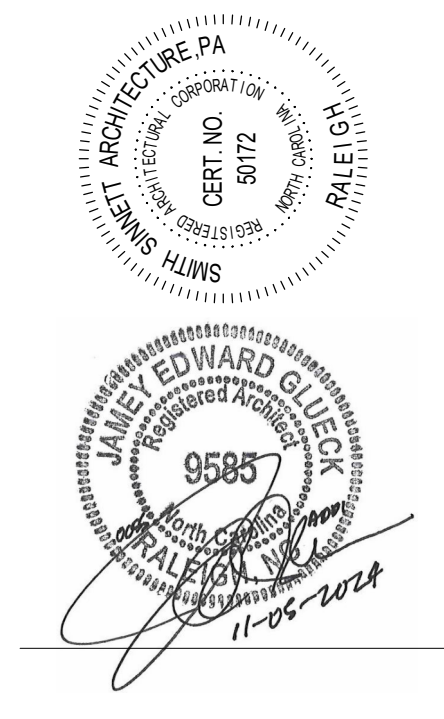
8 METAL DECK ROOF EDGE PARALLEL TO JOIST DETAIL
A5-01 1 1/2" = 1'-0"



7 METAL DECK ROOF EDGE PARALLEL TO JOIST DETAIL
A5-01 1 1/2" = 1'-0"



6 ROOF EDGE DETAIL PARALLEL TO JOIST
A5-01 1 1/2" = 1'-0"

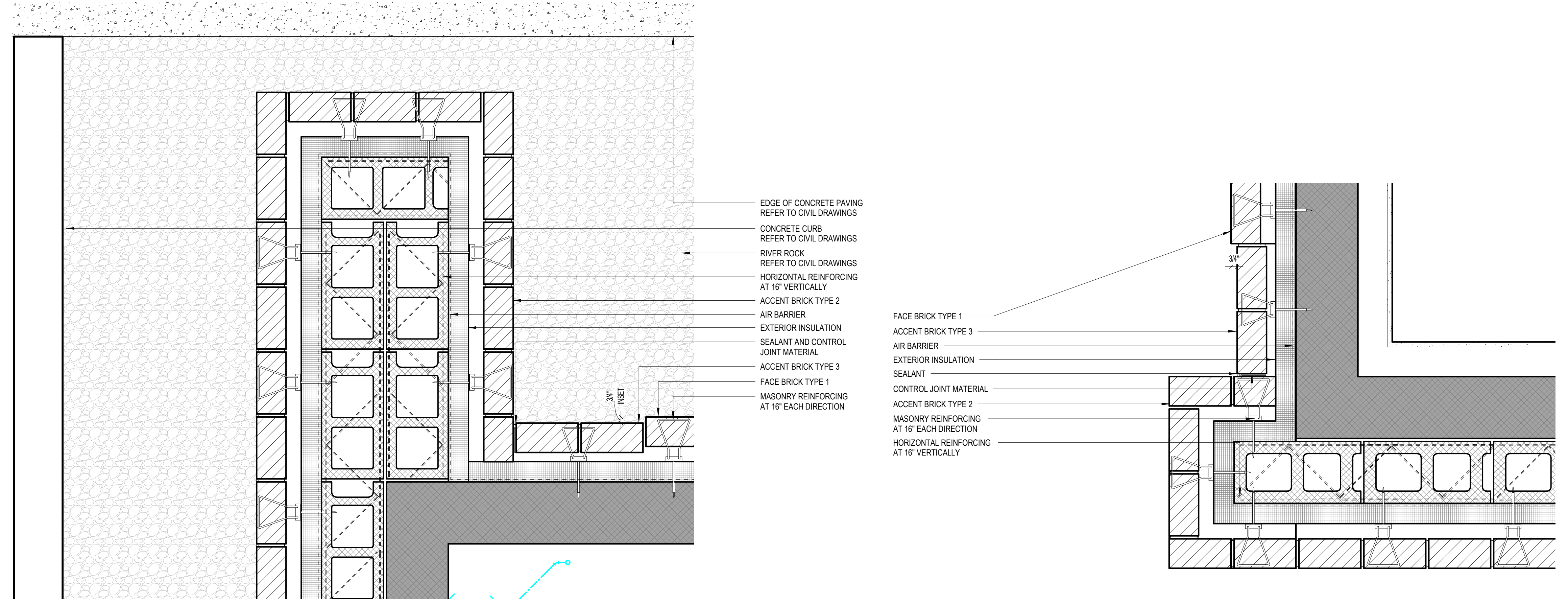


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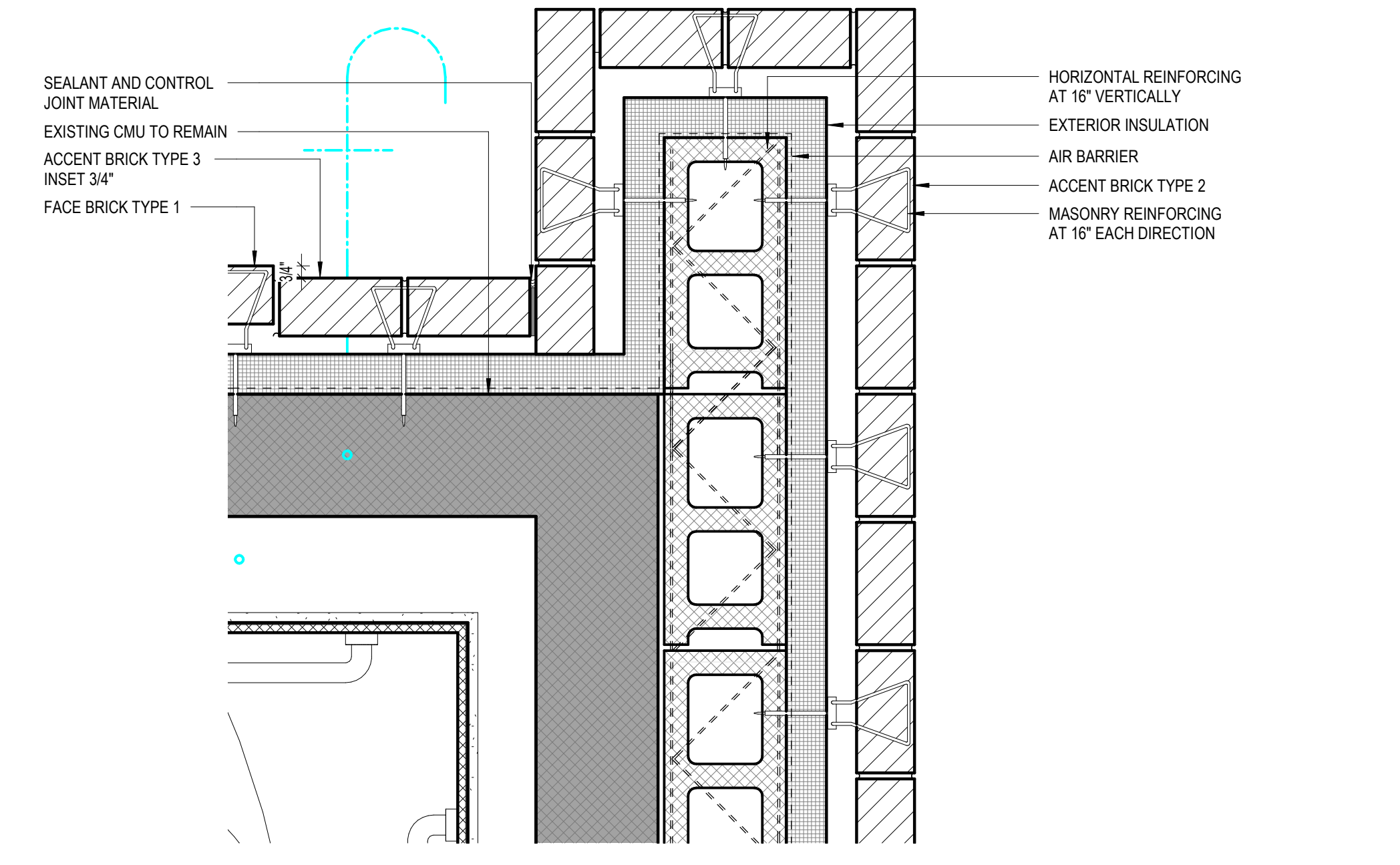
ID	DATE	DESCRIPTION
1	11/05/2024	Addendum 1

DRAWN BY: FANB
CHECKED BY: JEG
PLAN DETAILS

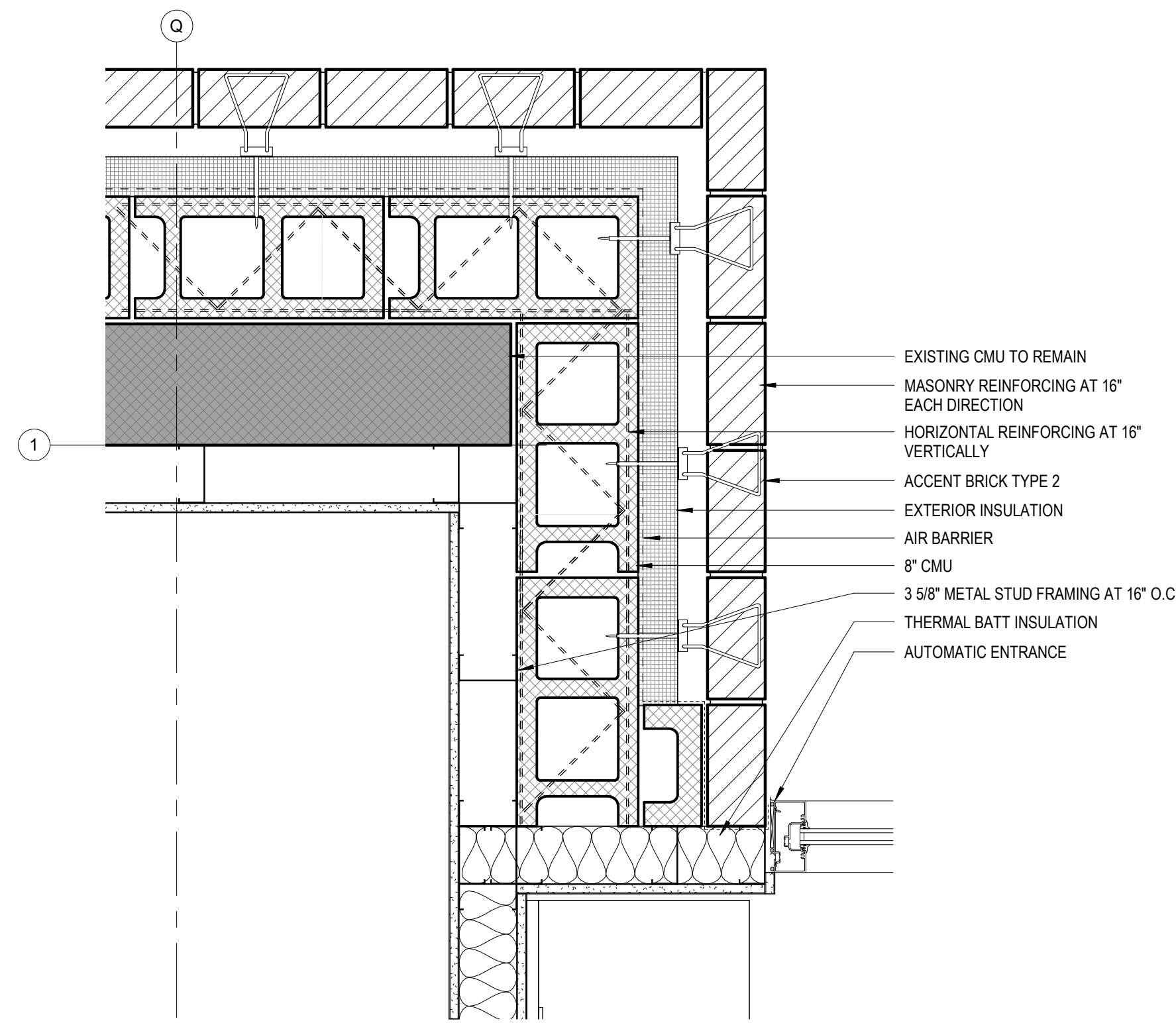


9 PLAN DETAIL
A5-02 1 1/2" = 1'-0"

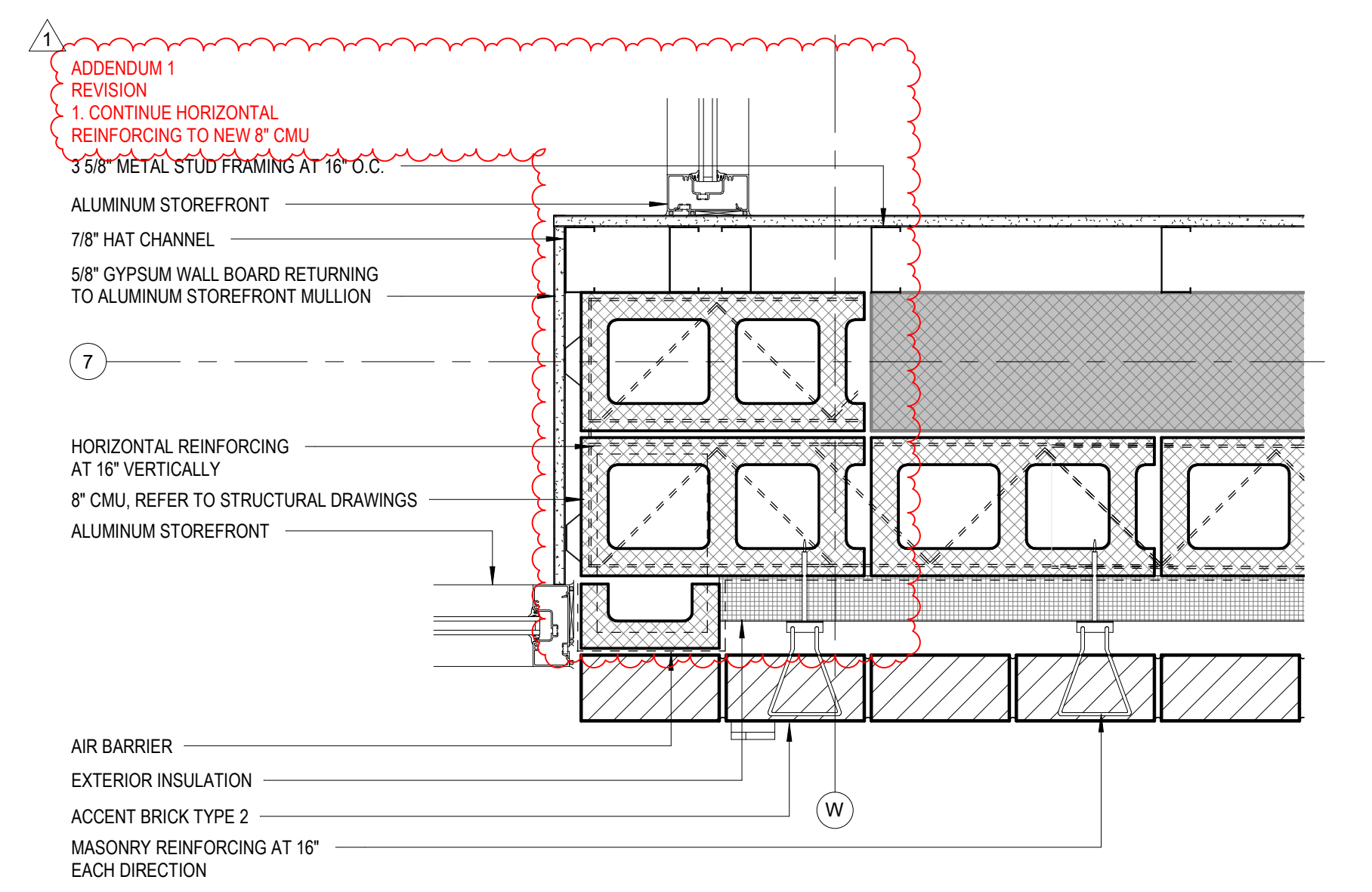
8 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



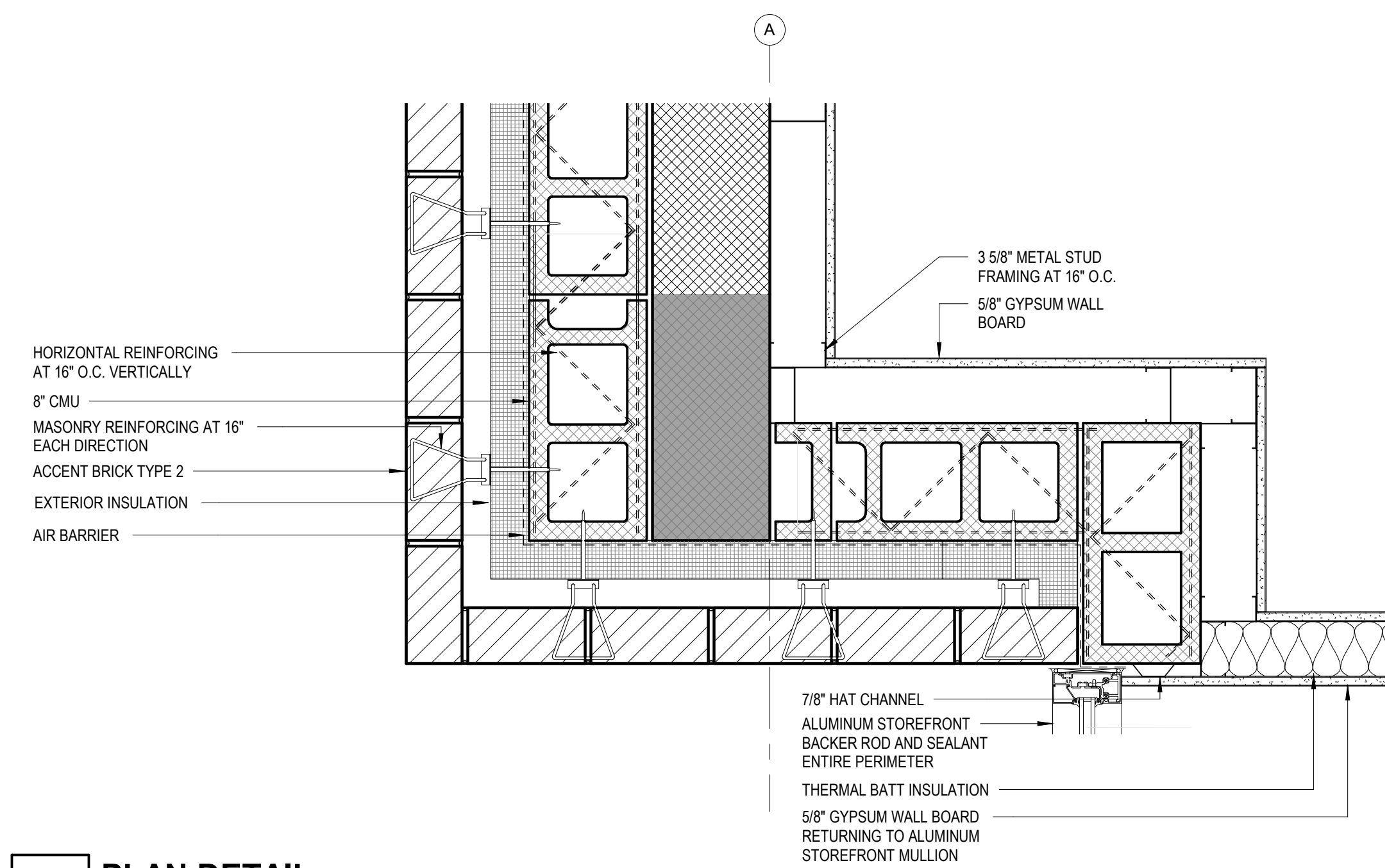
7 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



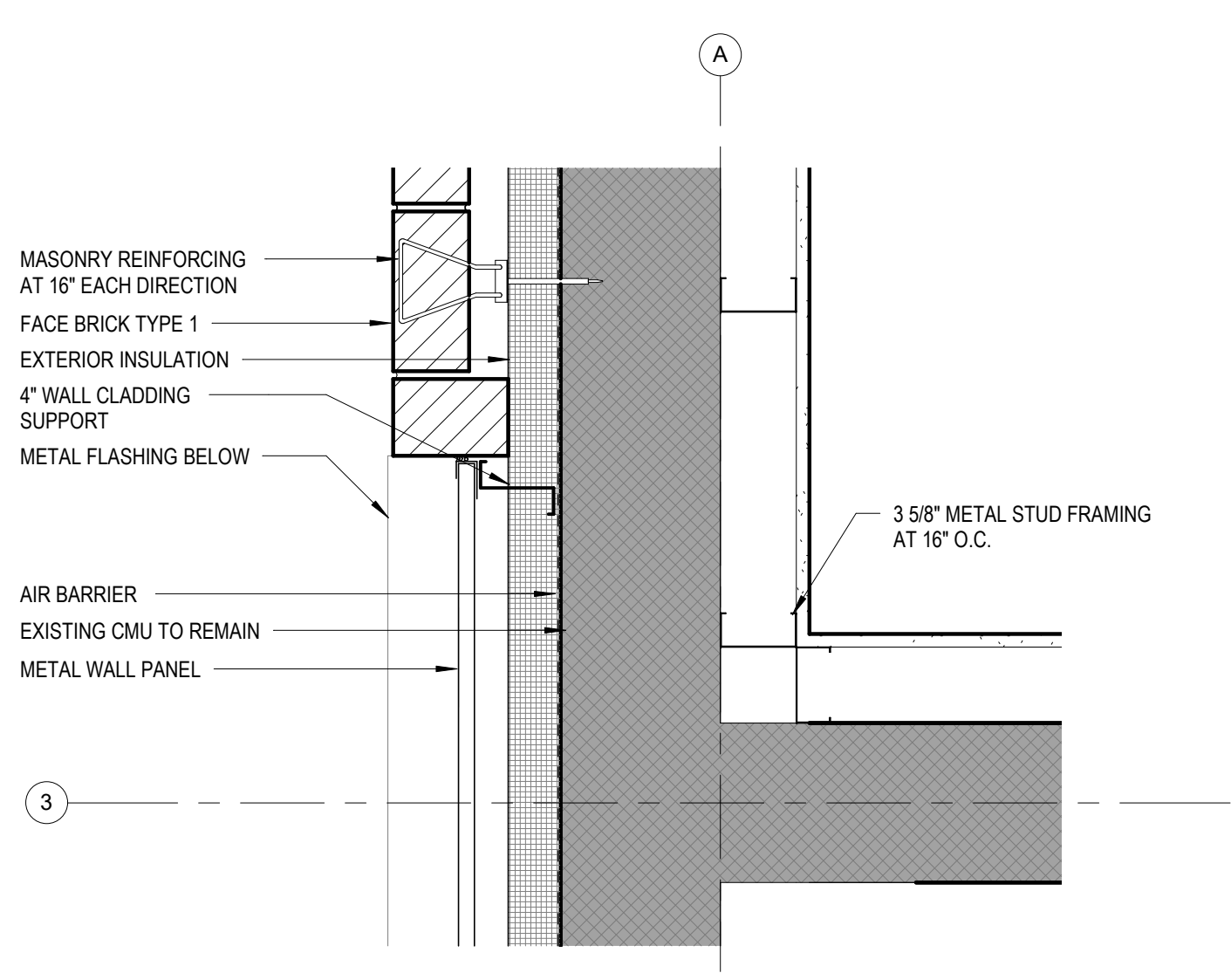
6 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



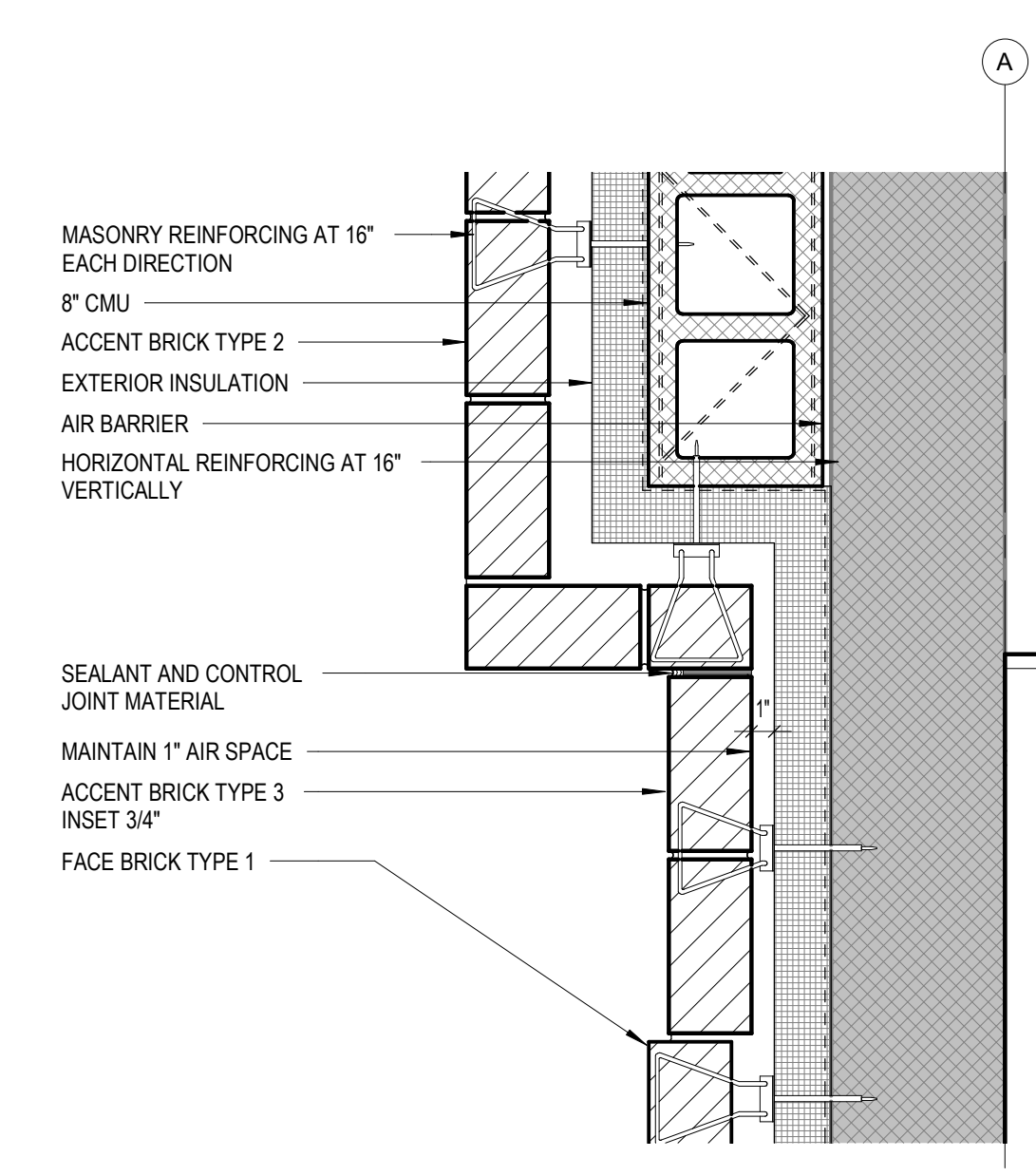
5 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



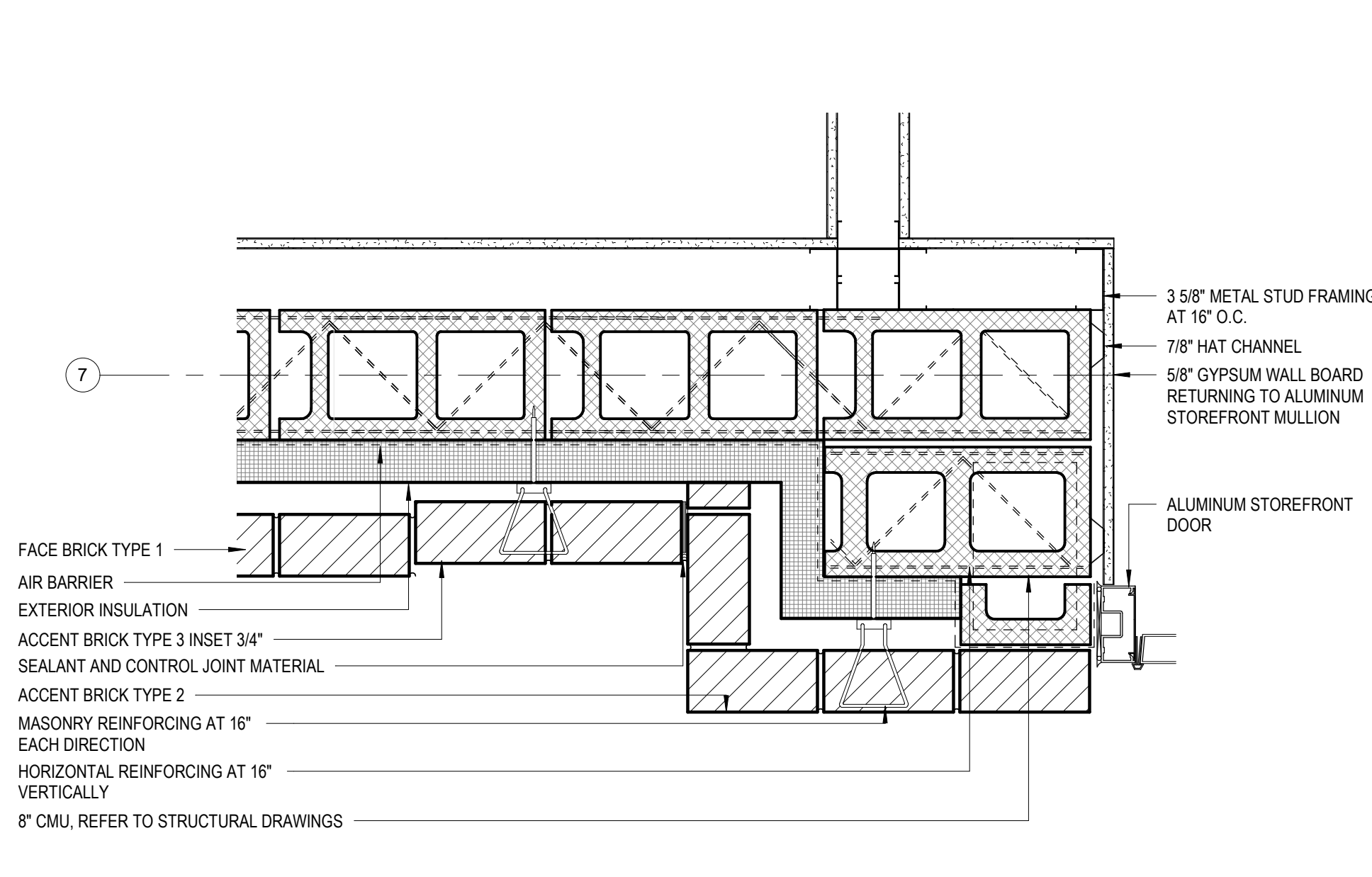
1 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



2 PLAN DETAIL
A5-02 1 1/2" = 1'-0"

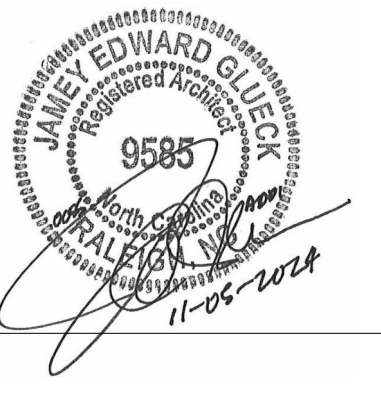
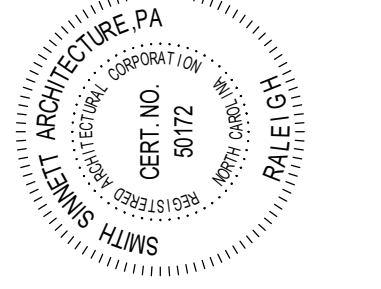


3 PLAN DETAIL
A5-02 1 1/2" = 1'-0"



4 PLAN DETAIL
A5-02 1 1/2" = 1'-0"

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1	11/05/2024	Addendum 1

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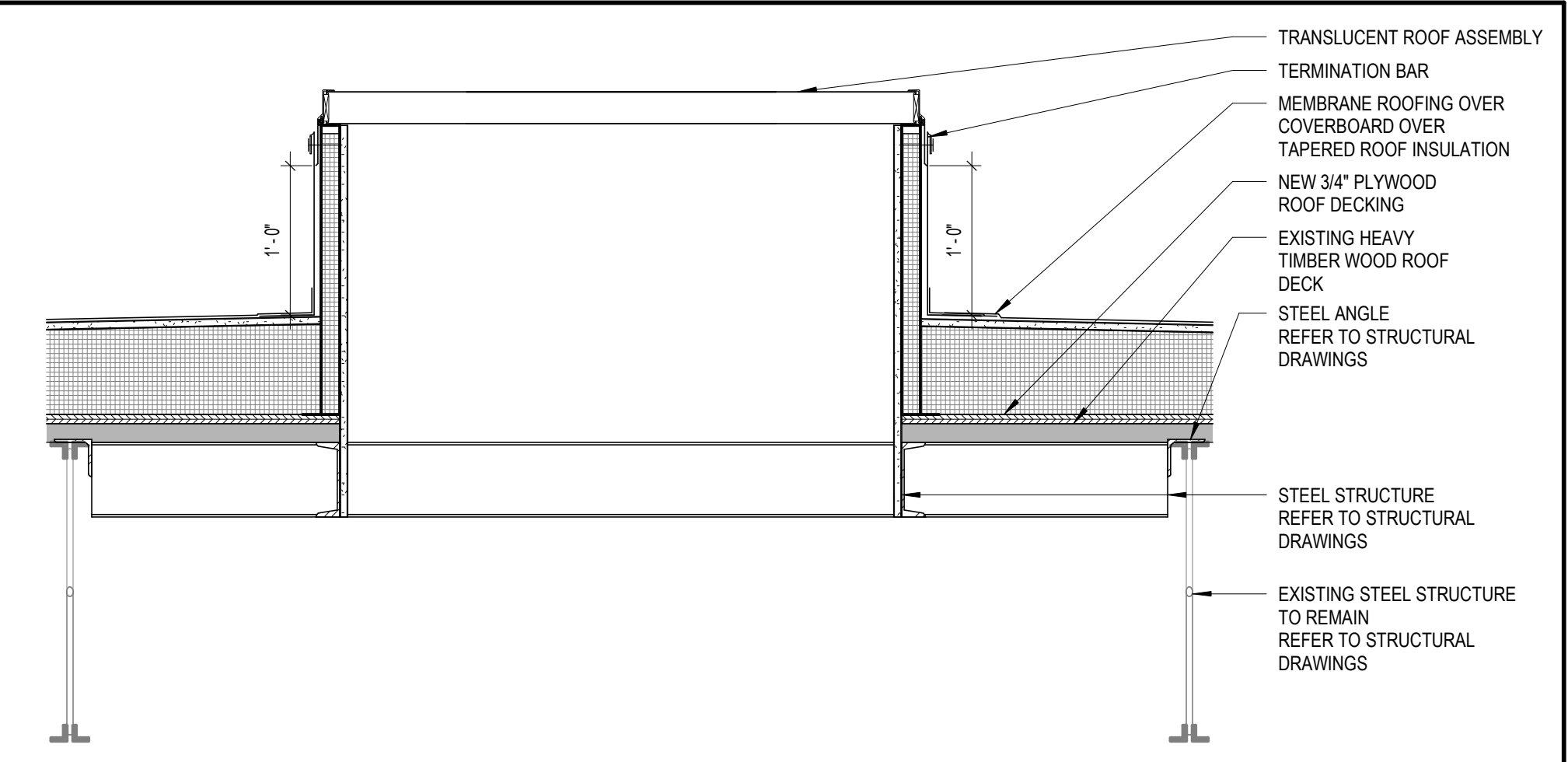
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11/05/2024 Addendum 1

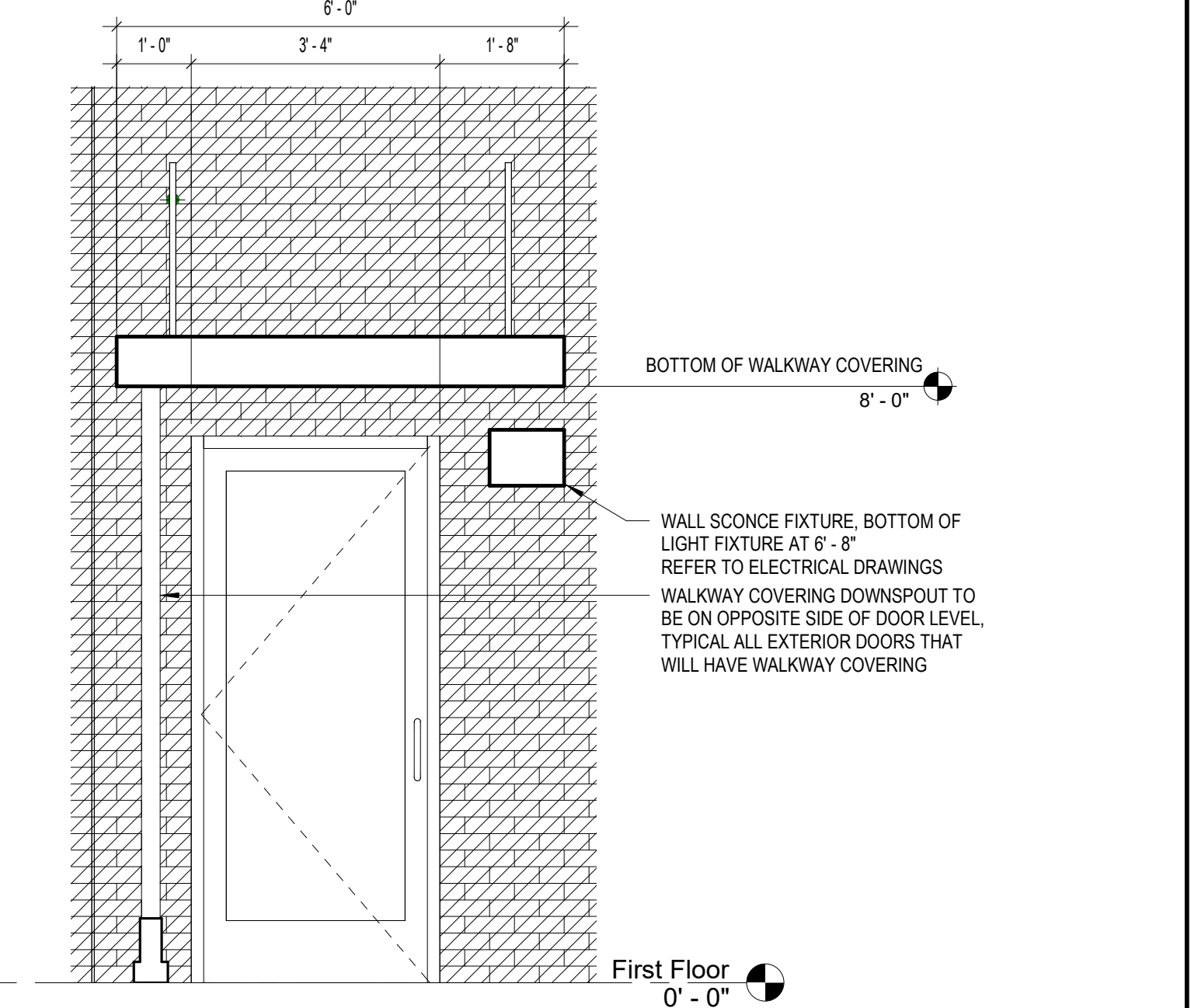
11/05/2024 Addendum 1

11/05/2024 Addendum 1

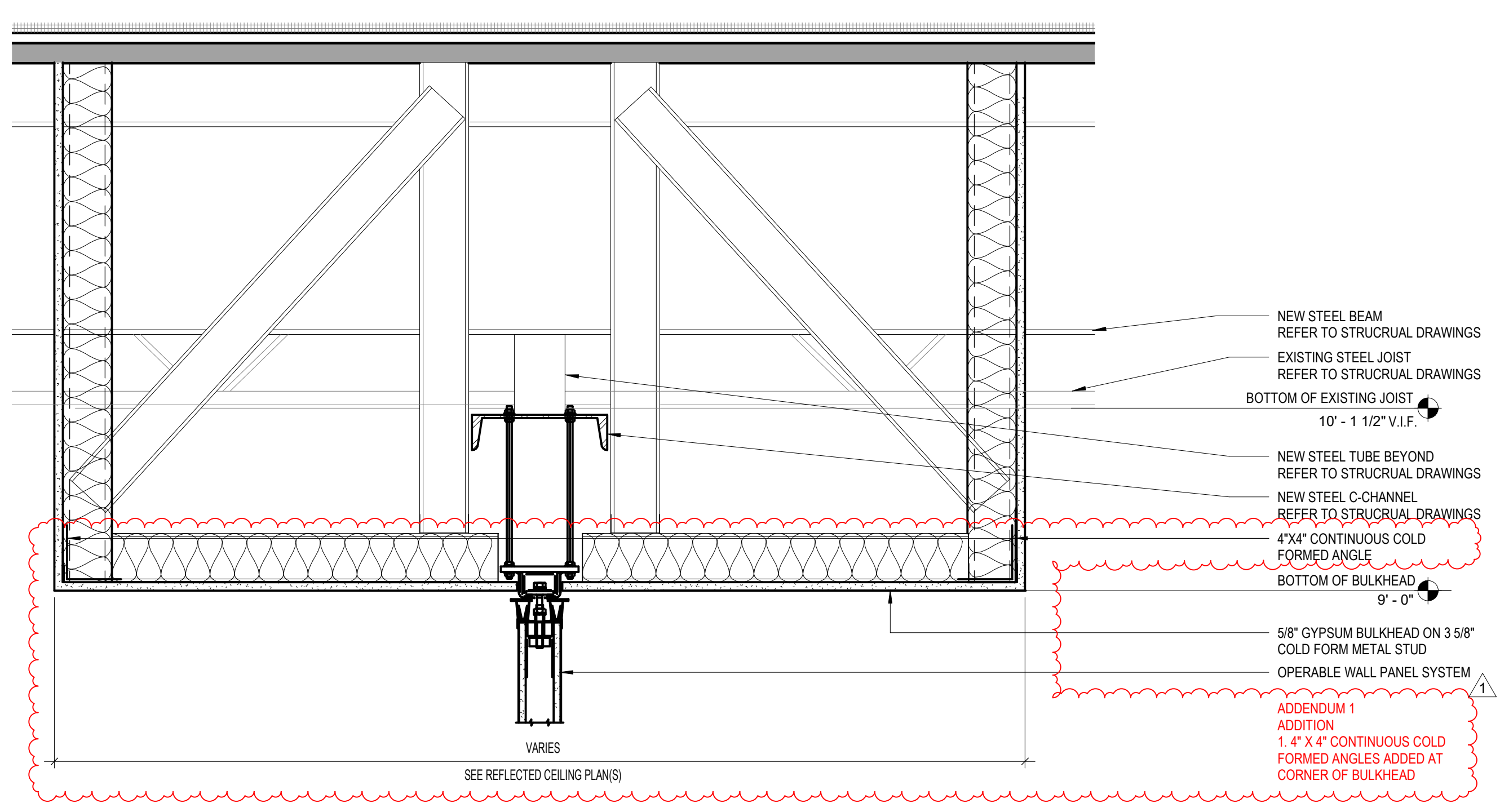
11/05/2024 Addendum 1



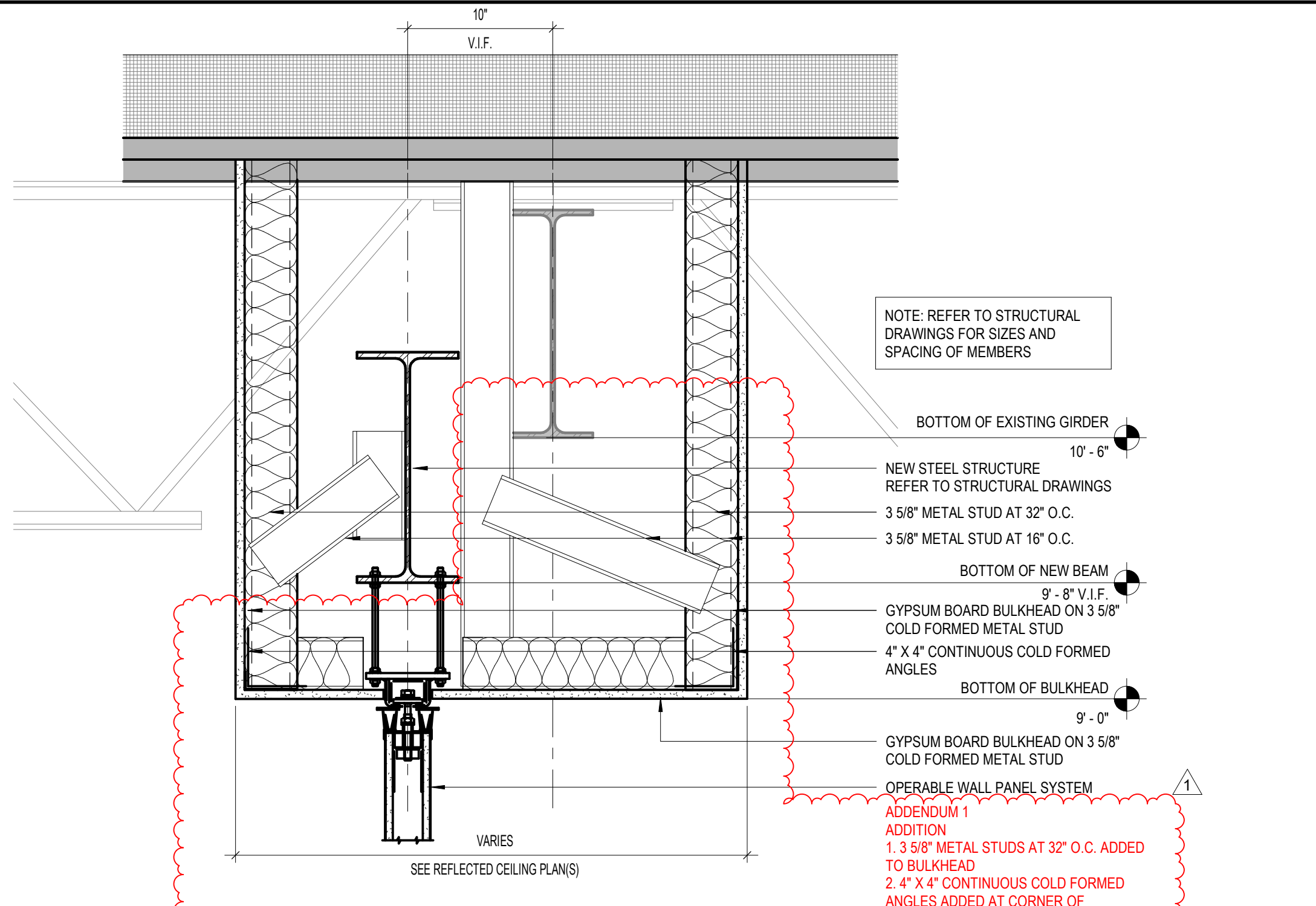
11 TRANSLUCENT ROOF ASSEMBLY SECTION DETAIL
1" = 1'-0"



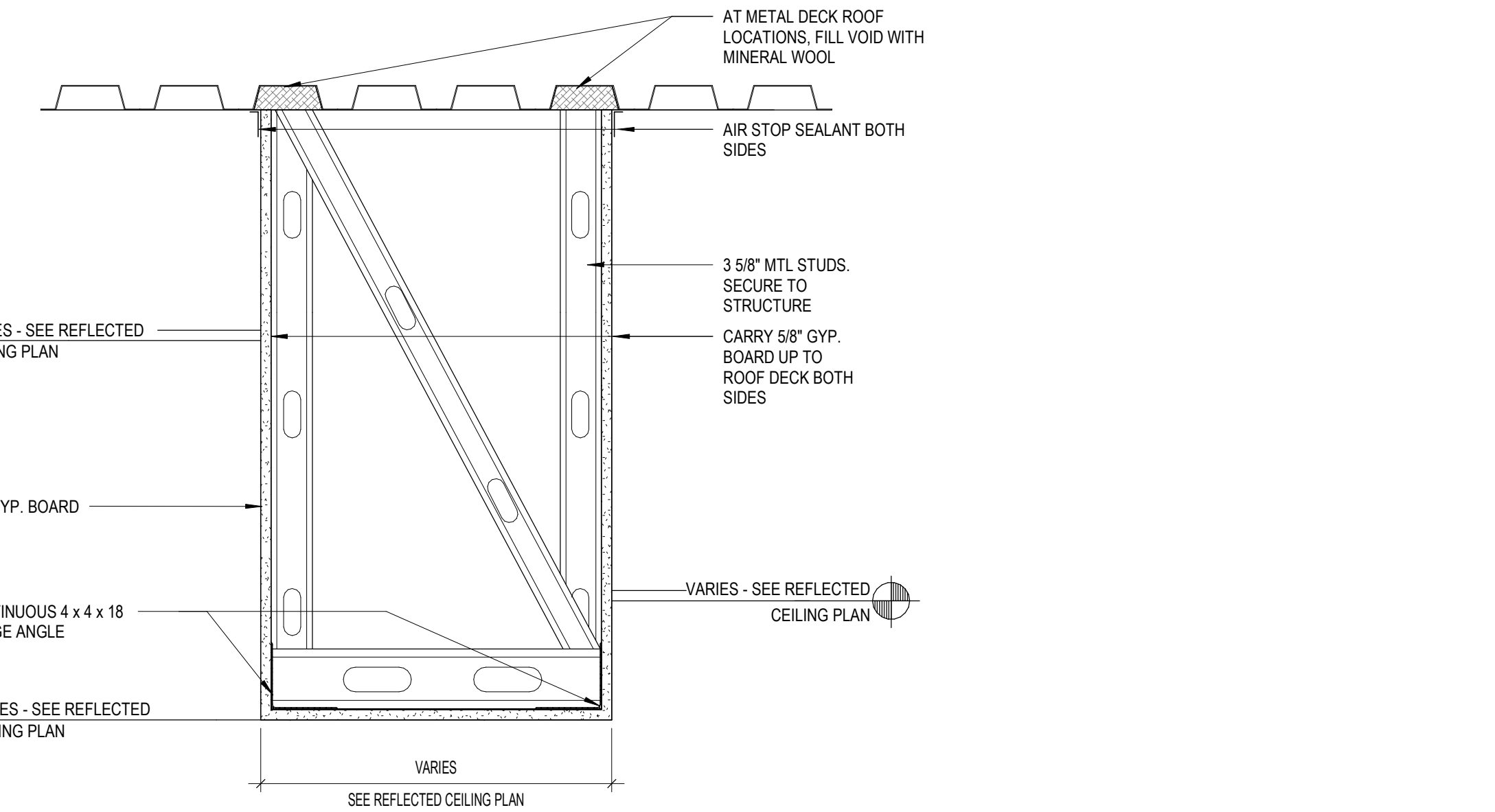
8 TYPICAL WALKWAY COVERING ELEVATION
1/2" = 1'-0"



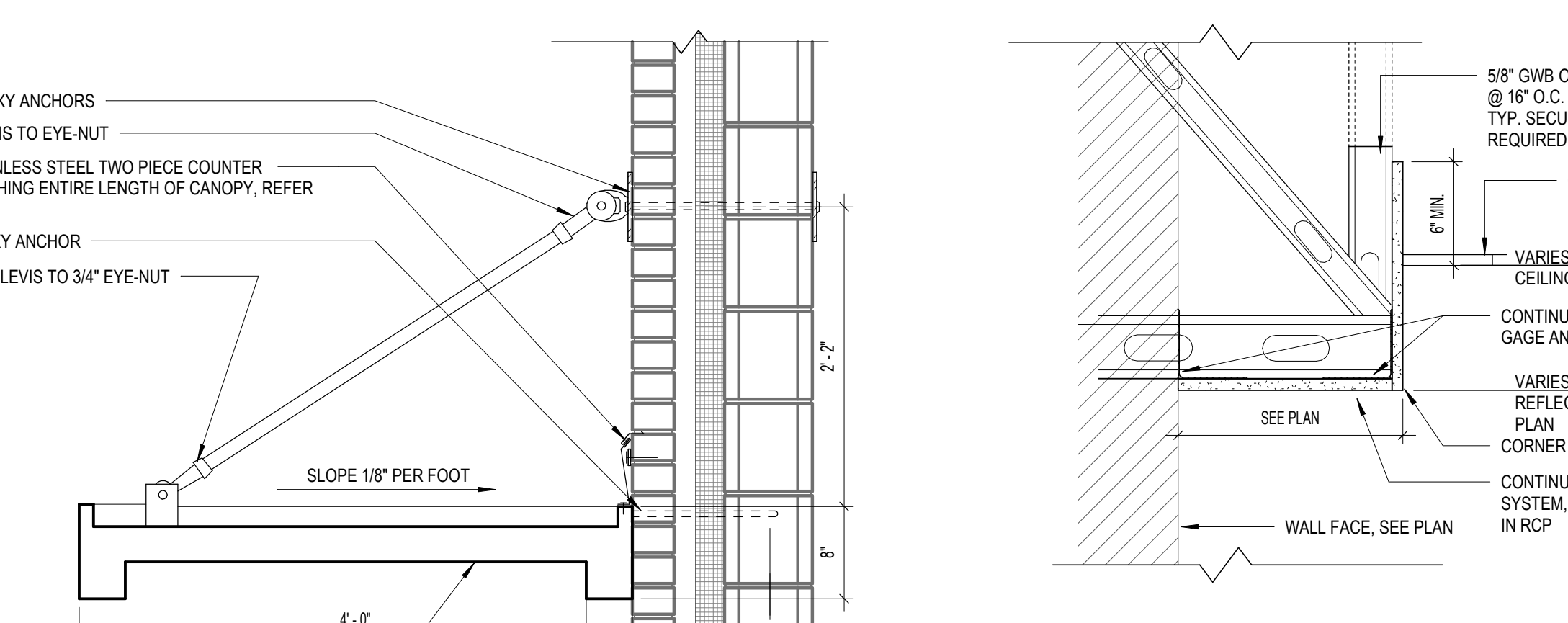
15 ACTIVITY ROOM - OPERABLE PARTITION DETAIL
1 1/2" = 1'-0"



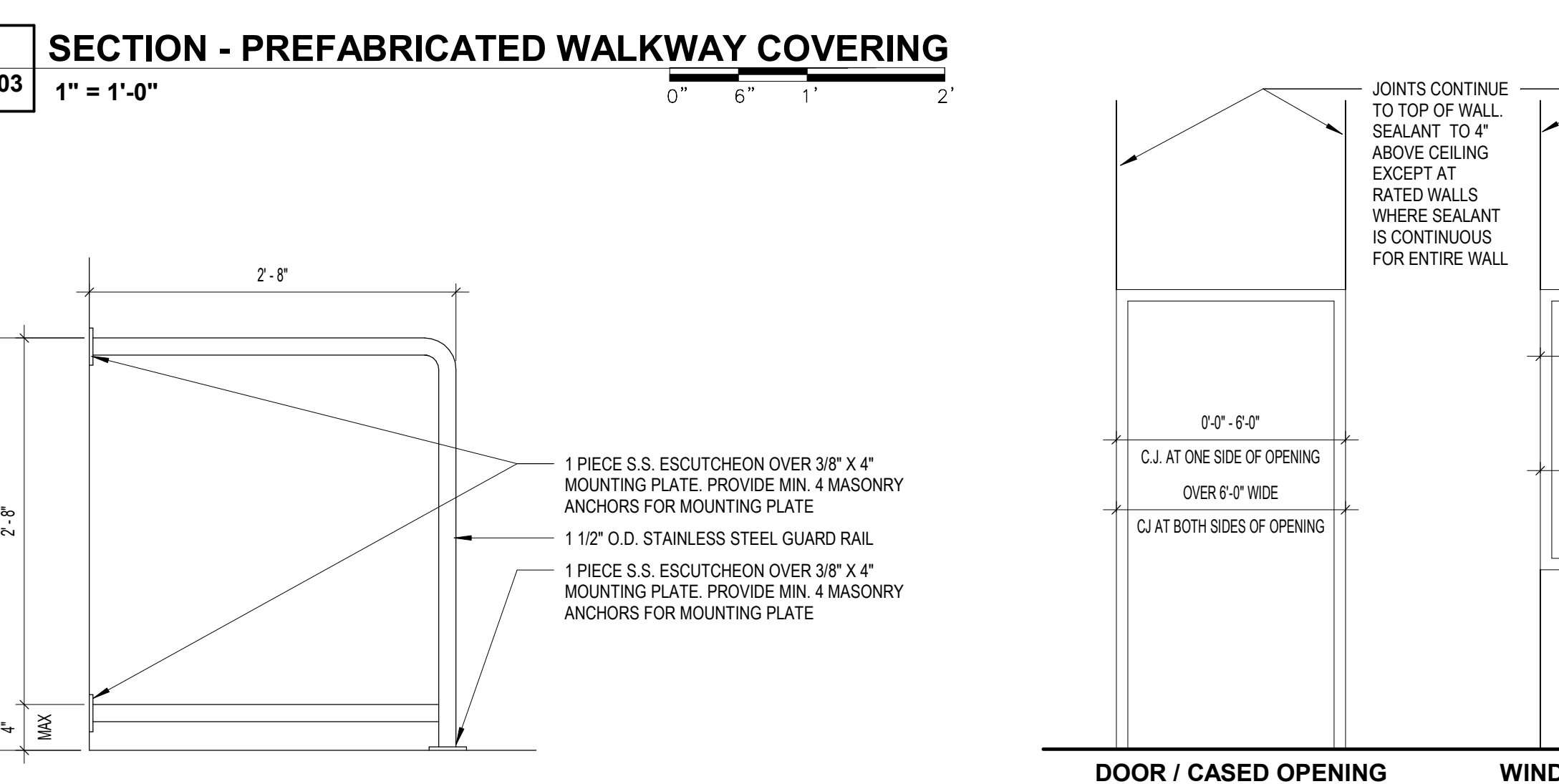
7 TRAINING ACTIVITY - OPERABLE PARTITION DETAIL
1 1/2" = 1'-0"



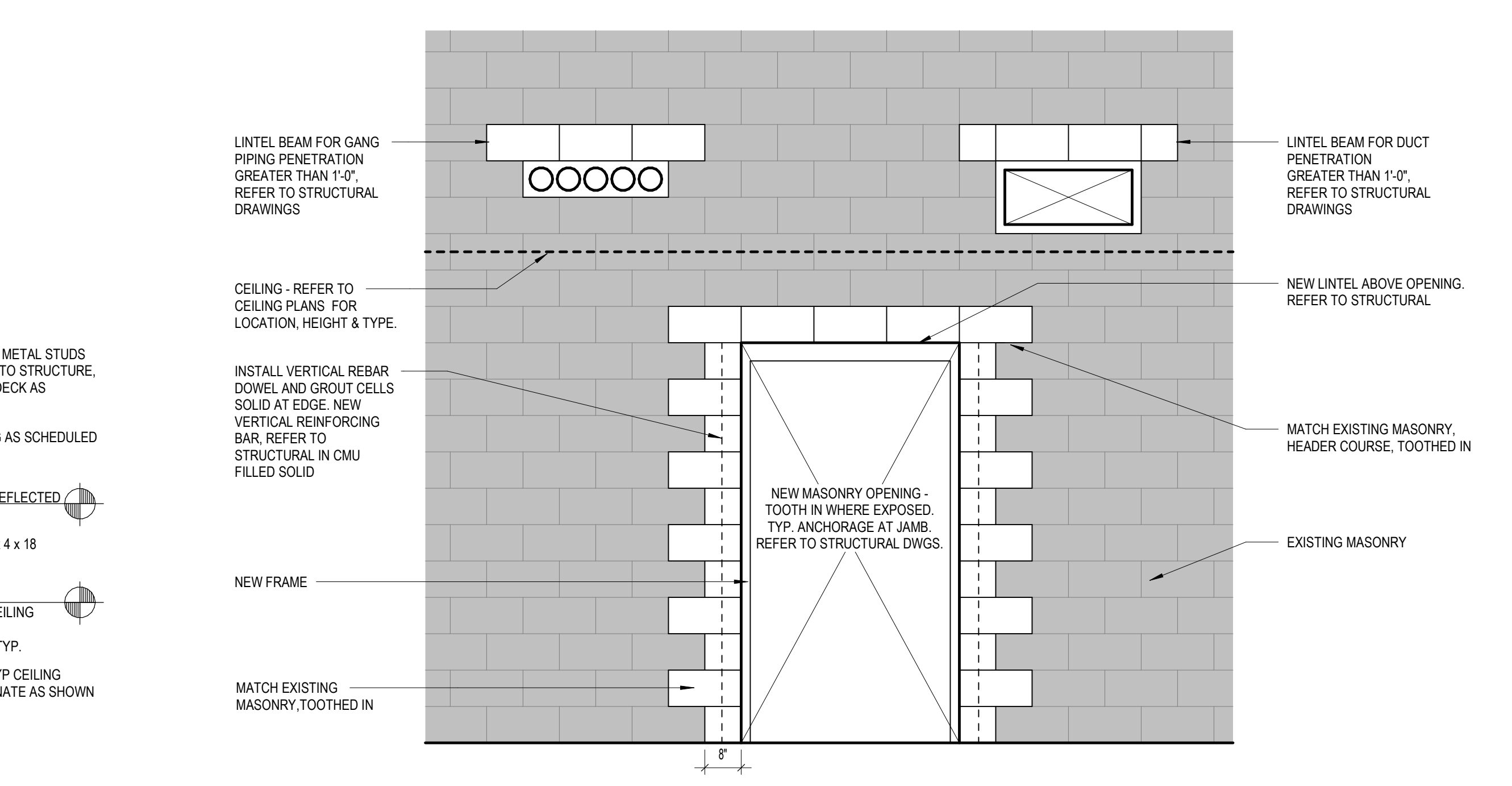
2 TYP BULKHEAD DETAIL
1 1/2" = 1'-0"



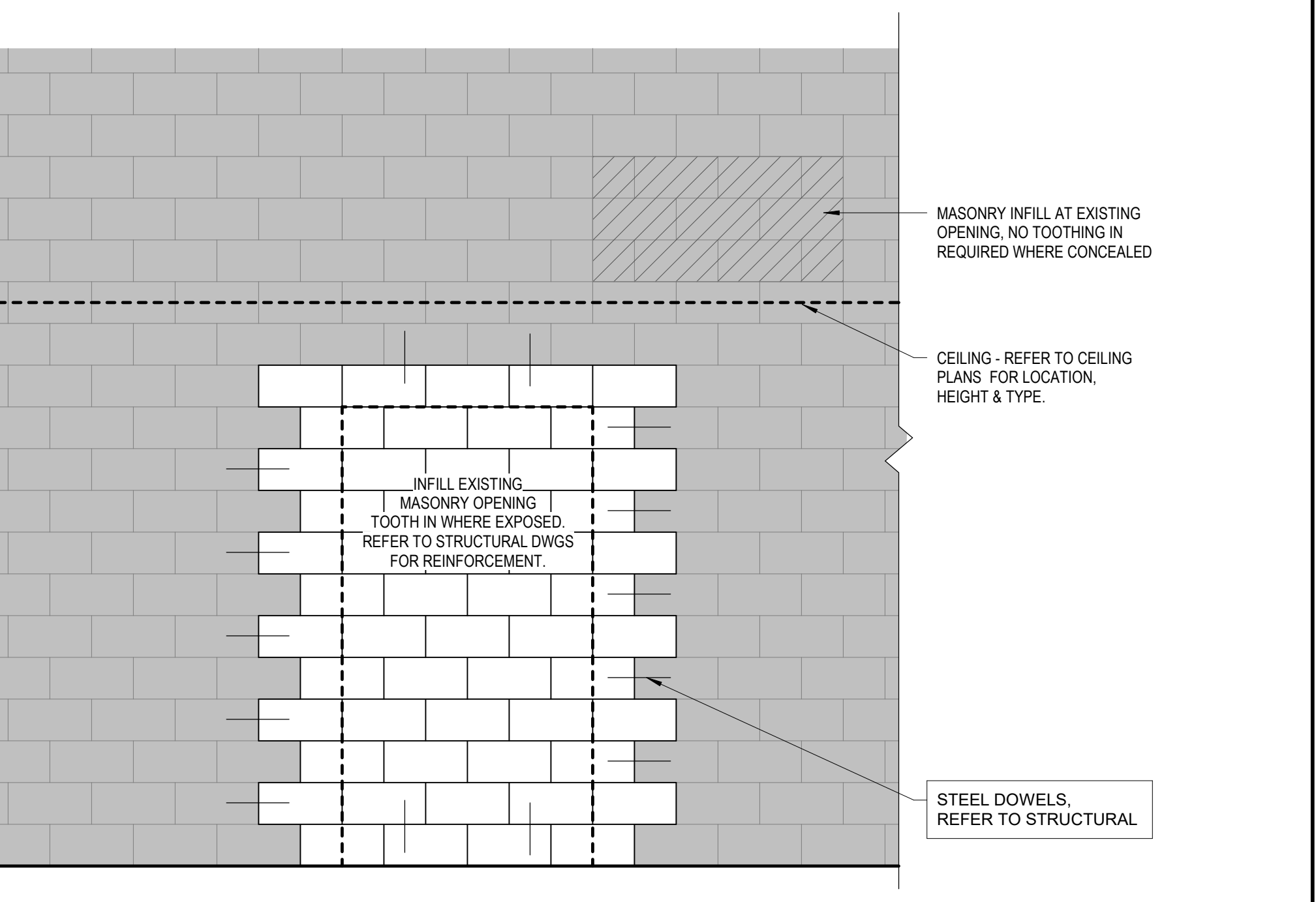
3 TYP GYP CONTINUOUS BULKHEAD
1 1/2" = 1'-0"



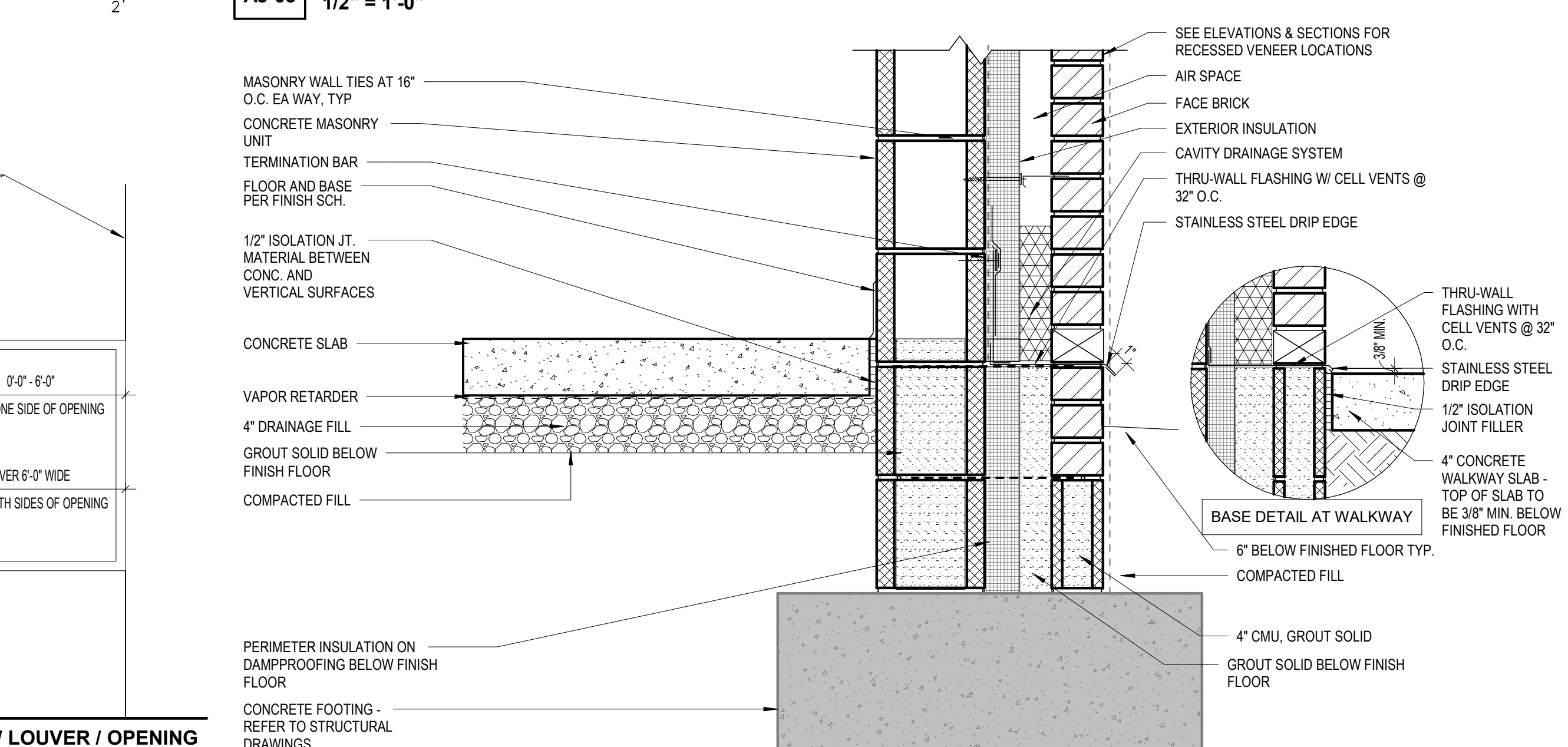
5 SECTION - PREFABRICATED WALKWAY COVERING
1" = 1'-0"



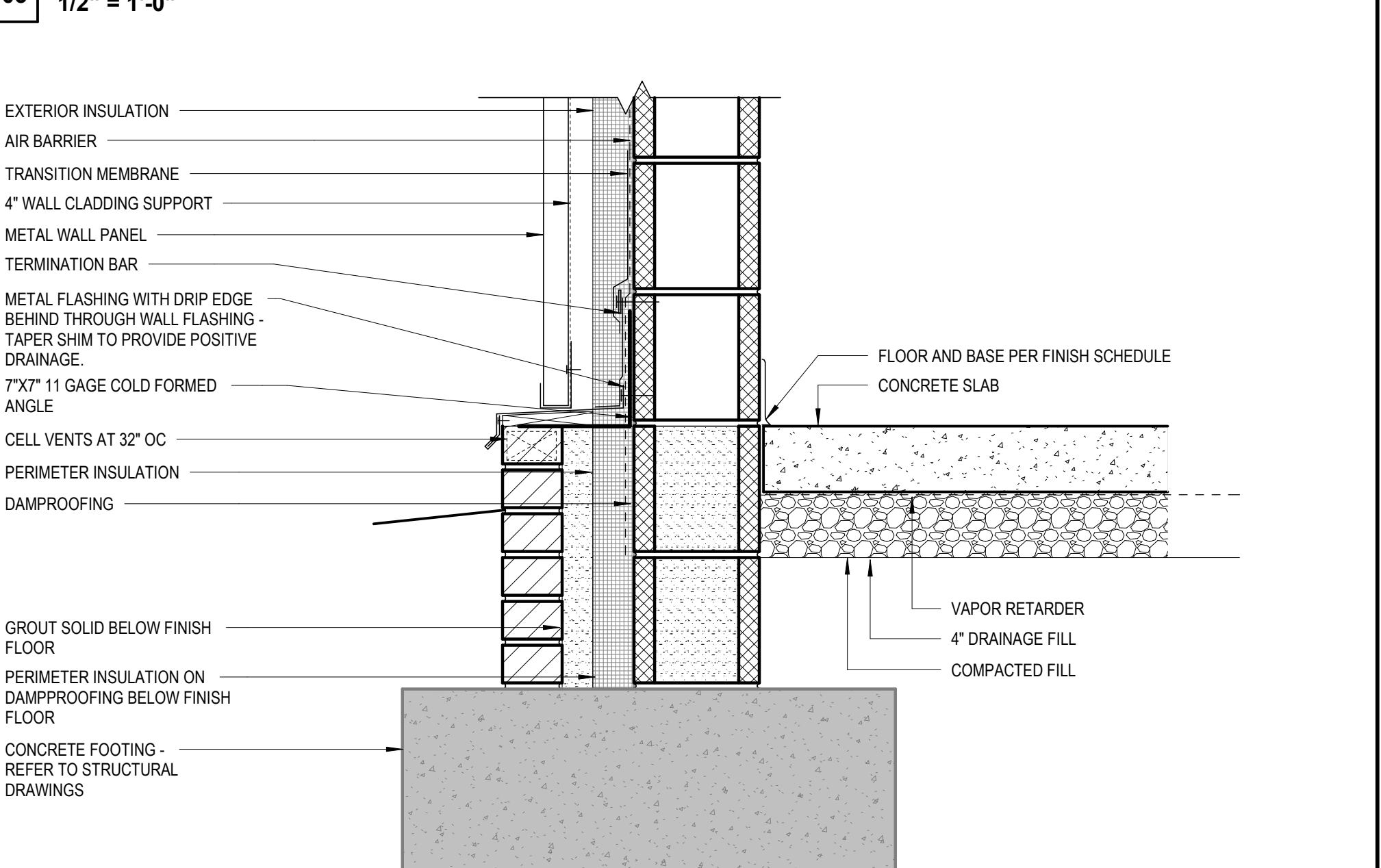
13 ELEVATION - TYPICAL NEW OPENING IN EXISTING CMU
1/2" = 1'-0"



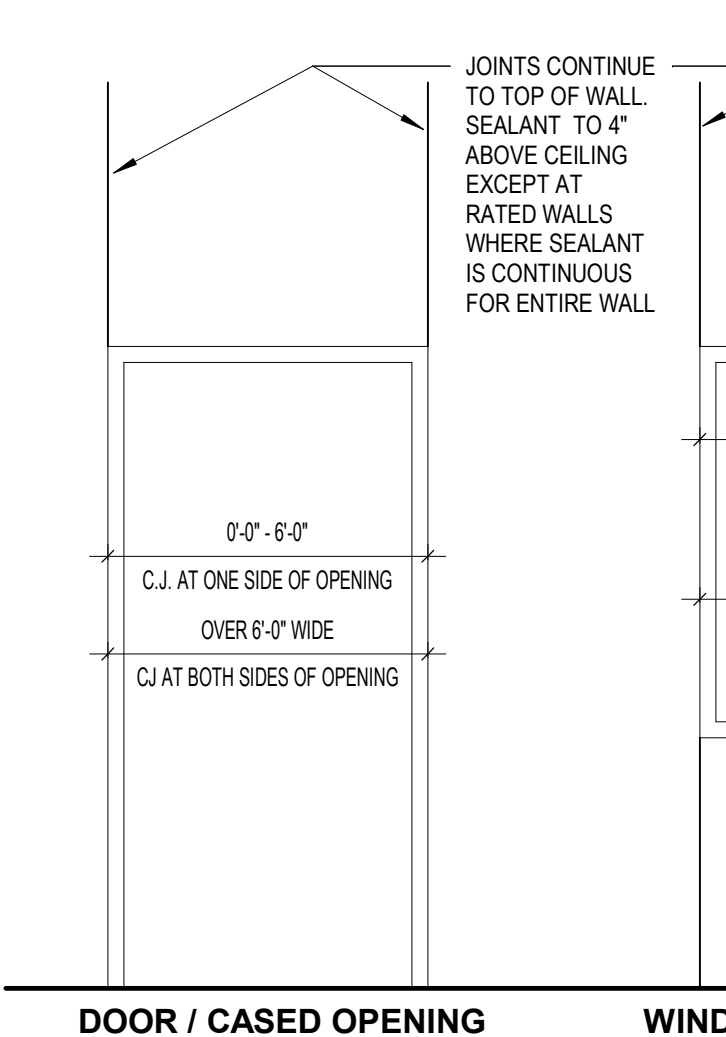
12 ELEVATION - OPENING INFILL
1/2" = 1'-0"



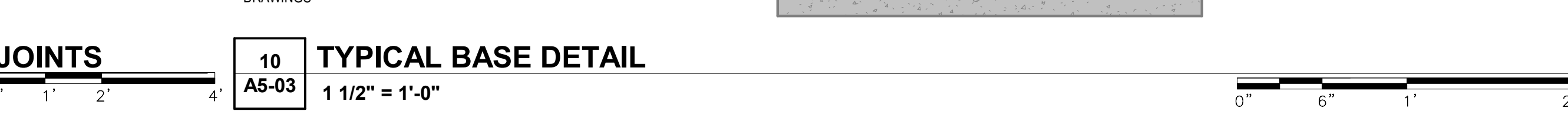
10 TYPICAL BASE DETAIL
1 1/2" = 1'-0"



9 MTL PANEL TO BRICK TRANSITION
1 1/2" = 1'-0"

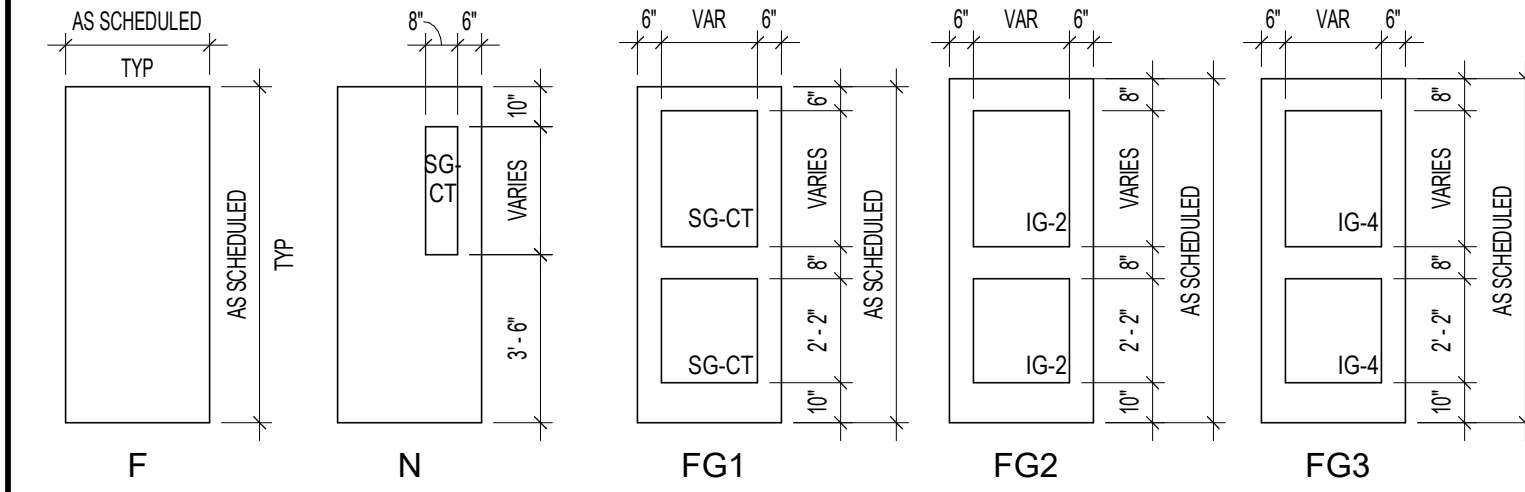


1 GYPSUM WALL CONTROL JOINTS
1/2" = 1'-0"



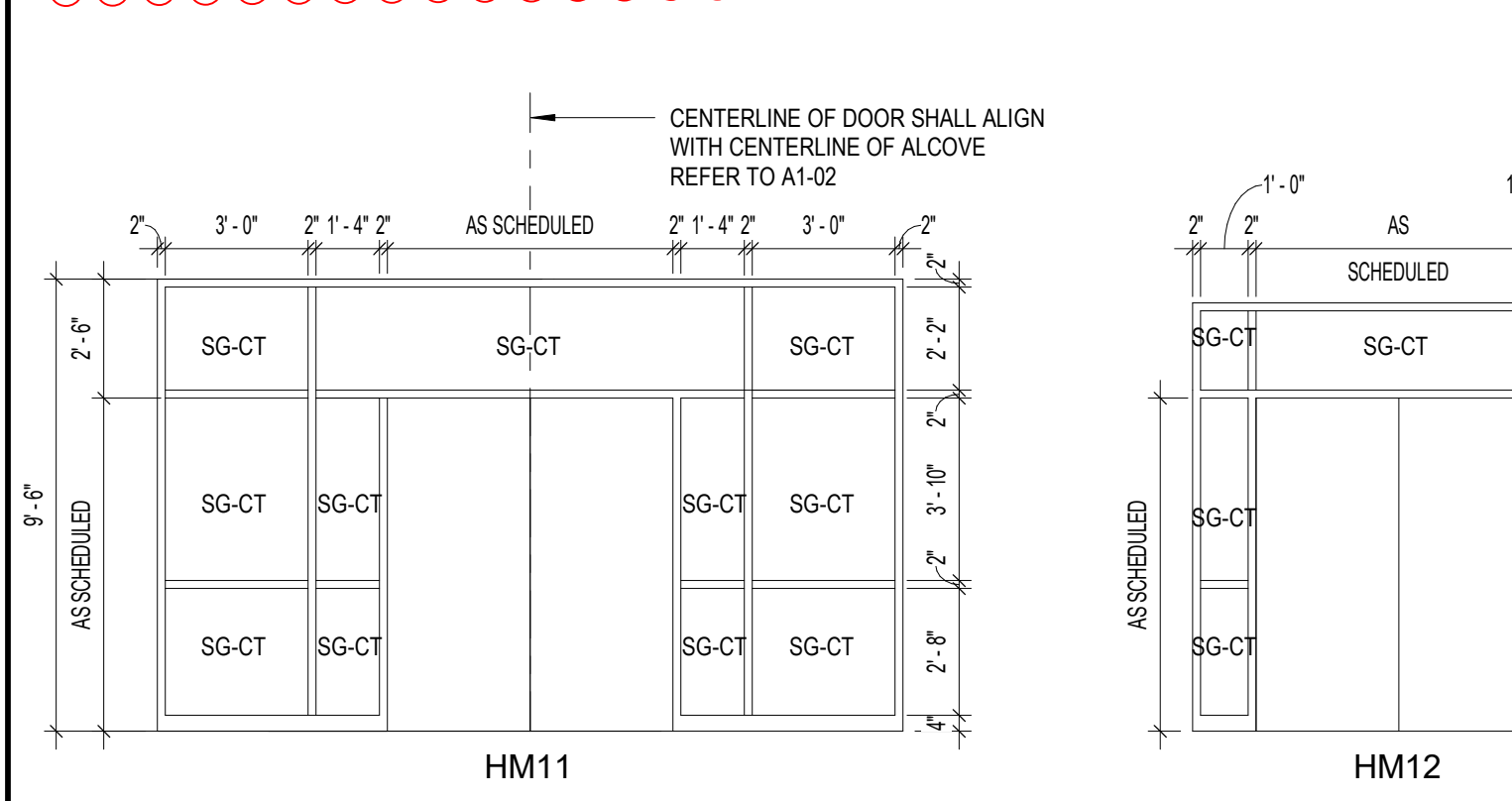
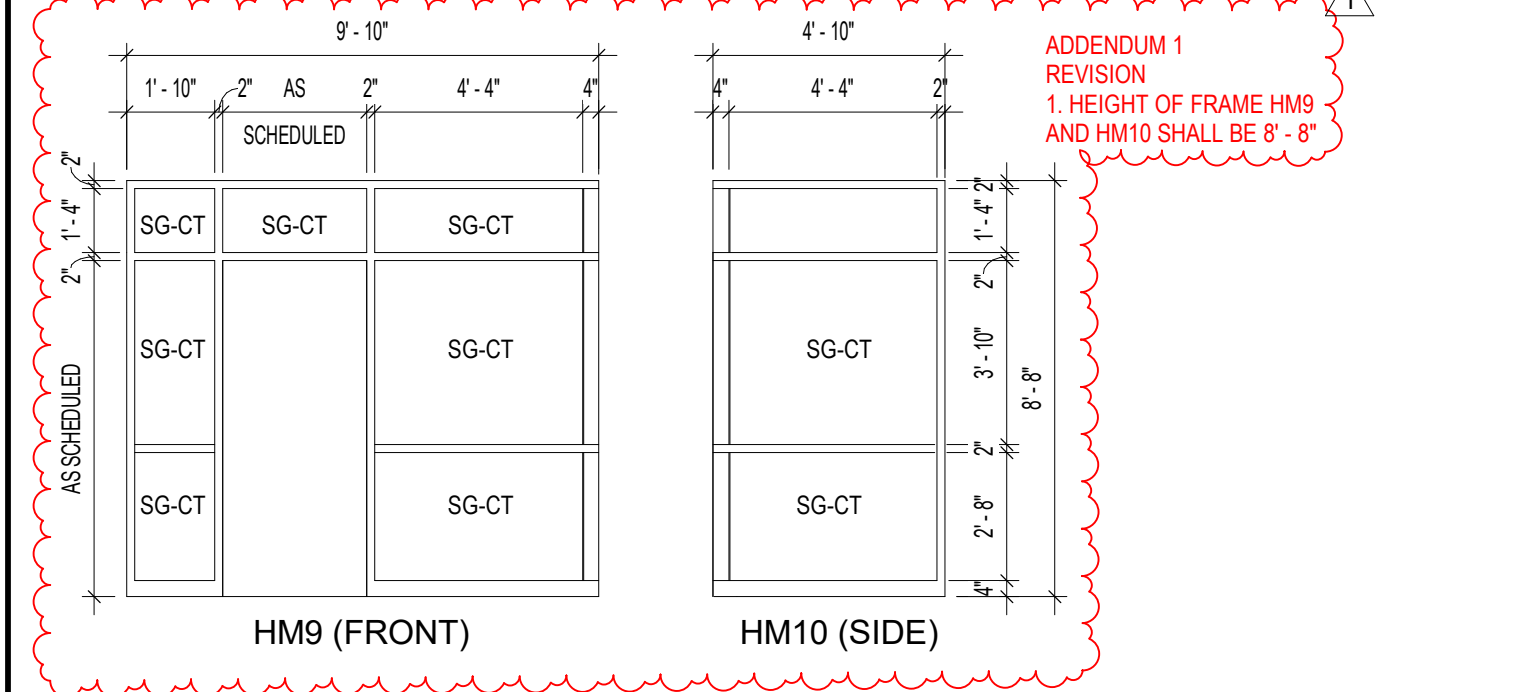
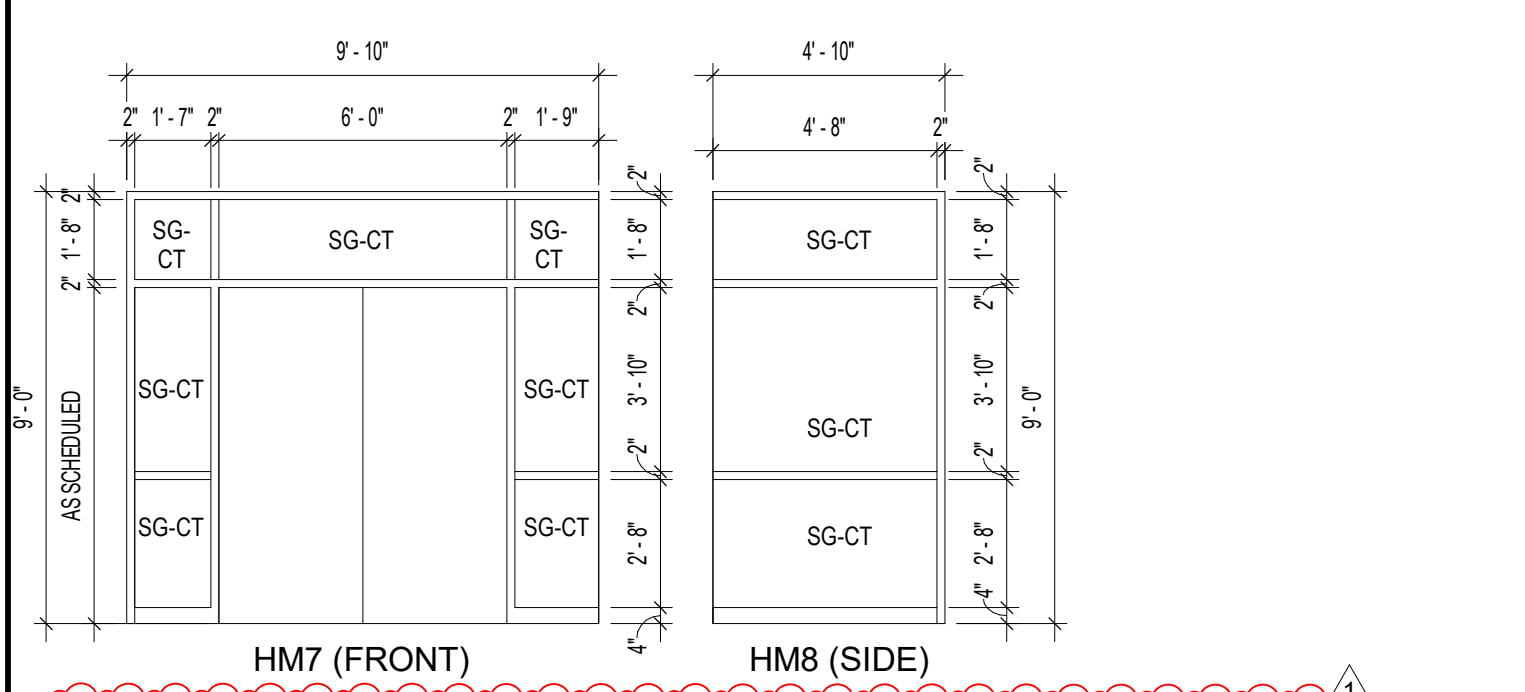
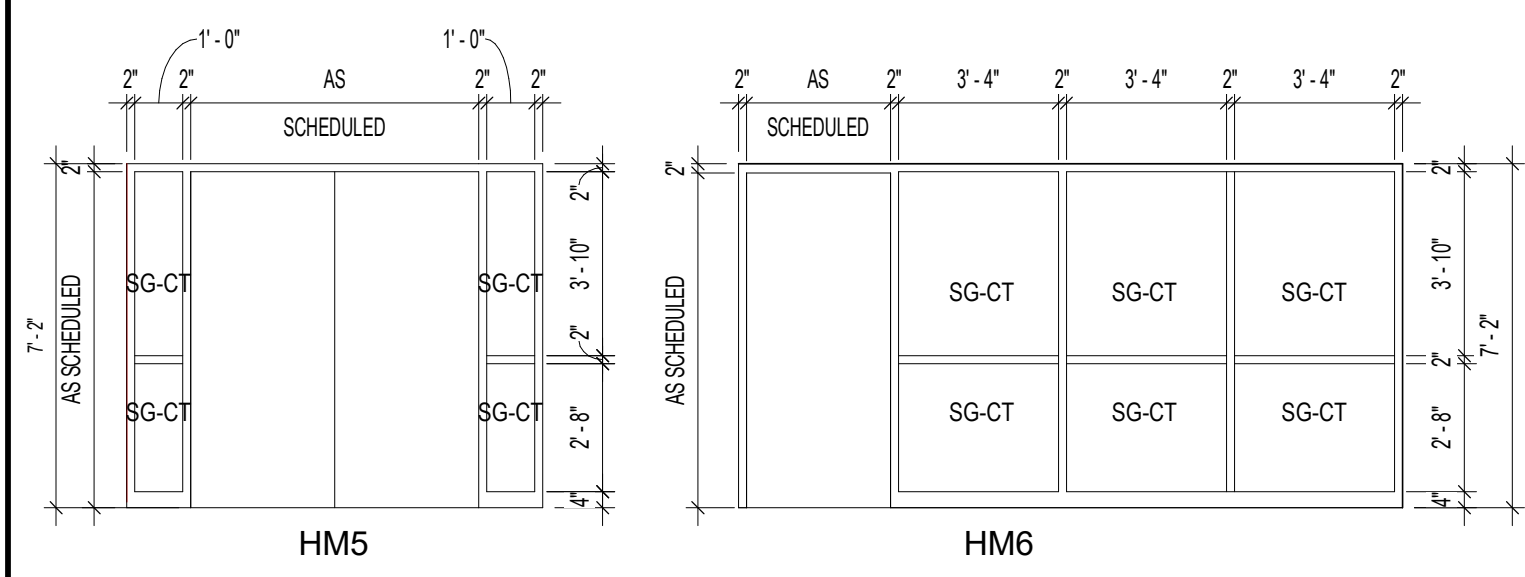
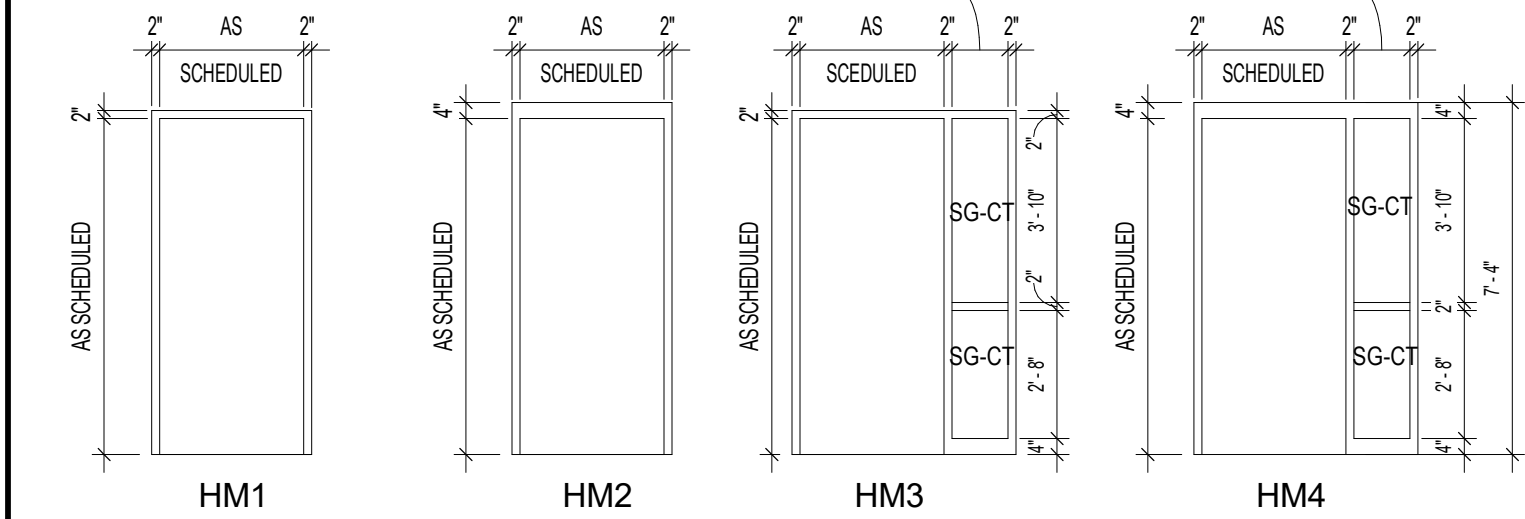
14 GUARD RAIL ELEVATION
1" = 1'-0"

LEGEND:	
HM -	HM FRAME DESIGNATION
AL -	ALUMINUM WINDOW FRAME
N -	INTERIOR ALUM. STOREFRONT
S -	EXTERIOR ALUM. STOREFRONT
GLAZING:	
IG - INSULATED GLASS	
IG-1 -	LOW-E TINTED
IG-2 -	LOW-E TINTED TEMPERED
IG-3 -	LOW-E TINTED SPANDREL
IG-4 -	CLEAR TEMPERED
SG-CT - SAFETY GLASS - CLEAR TEMPERED	



DOOR TYPES

1/4" = 1'-0"

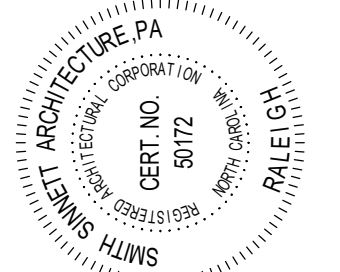


FRAME TYPES

1/4" = 1'-0"



DOOR TYPE	MARK	DOOR SIZE	HEIGHT	THK	FRAME										HARDWARE	REMARKS
					MAT	TYPE	LVS	MAT	TYPE	HEAD	JAMB	THRESH				
EXTERIOR	100	6'-0"	7'-0"	1 3/4"	ALUM	FG2	2	S1	ALUM	6AS-01	6AS-02	T13	02	PANIC HARDWARE, AUTOMATIC ENTRANCE		
INTERIOR	101A	6'-0"	7'-0"	1 3/4"	ALUM	FG3	2	N1	ALUM	H2	T6	02	PANIC HARDWARE, AUTOMATIC ENTRANCE			
INTERIOR	101B	6'-0"	7'-0"	1 3/4"	HM	FG1	2	HM	HM11	H1	J1	41	REMOVABLE CENTER MULLION DOOR RELEASE SWITCH AT RECEPTION 102, ELECTRIFIED PANIC HARDWARE, CLOSER, OVERHEAD STOP, HOLD OPEN, INTERIOR CARD READER			
INTERIOR	102	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	07	OVERHEAD STOP			
INTERIOR	102A	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	T7	37	PANIC HARDWARE, CLOSER, INTERIOR CARD READER		
INTERIOR	102B	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	T7	30	PANIC HARDWARE, CLOSER		
INTERIOR	103	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	T7	07	OVERHEAD STOP		
INTERIOR	104	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T6	32	INTERIOR CARD READER (FOI), CLOSER		
INTERIOR	104A	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	04				
INTERIOR	104B	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	04				
INTERIOR	104C	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	10				
INTERIOR	104D	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	04				
INTERIOR	104E	3'-0"	7'-0"	1 3/4"	WD	F	1	WD	N12	H2	J2	03	CONTINUOUS HINGE, OVERHEAD STOP			
INTERIOR	104F	3'-0"	7'-0"	1 3/4"	WD	F	1	WD	N12	H2	J2	03	CONTINUOUS HINGE, OVERHEAD STOP			
INTERIOR	104G	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	04				
INTERIOR	104H	3'-0"	7'-0"	1 3/4"	ALUM	FG1	1	ALUM	N11	H2	J2	T1	03	CONTINUOUS HINGE, HOLD OPEN, CLOSER		
INTERIOR	104I	3'-0"	7'-0"	1 3/4"	ALUM	FG1	1	ALUM	N11	H2	J2	T1	03	CONTINUOUS HINGE, HOLD OPEN, CLOSER		
INTERIOR	104J	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T8	18	OCCUPANCY LATCH		
INTERIOR	104K	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T8	18	OCCUPANCY LATCH		
INTERIOR	104L	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T9	11	OVERHEAD STOP		
EXTERIOR	104M	3'-0"	7'-2"	1 3/4"	ALUM	FG2	1	ALUM	SS	H8	J8	T13	38	ADMINISTRATION EXTERIOR DOOR, EXTERIOR CARD READER (FOI), CONTINUOUS HINGE, FROSTED GLAZING		
INTERIOR	104N	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	30	CLOSER, HOLD OPEN			
INTERIOR	106A	3'-0"	7'-0"	1 3/4"	HM	FG1	1	HM	HM4	H3	J3	T6	33	CLOSER		
EXTERIOR	106B	3'-0"	7'-2"	1 3/4"	ALUM	FG2	1	ALUM	SS	H8	J8	T13	38	CONGREGATE DINING EXTERIOR DOOR, PANIC HARDWARE, EXTERIOR CARD READER (FOI), CONTINUOUS HINGE, CLOSER		
INTERIOR	106C	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T9	21	OVERHEAD STOP		
INTERIOR	106D	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM4	H3	J3	T6	05	OVERHEAD STOP		
INTERIOR	106E	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	04				
INTERIOR	106F	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM4	H3	J3	T6	05			
INTERIOR	106G	6'-0"	7'-0"	1 3/4"	HM	FG1	2	HM	HM1	H1	J1	28	PANIC HARDWARE, CLOSER, HOLD OPEN			
INTERIOR	106H	6'-0"	7'-0"	1 3/4"	HM	FG1	2	HM	HM1	H1	J1	28	PANIC HARDWARE, CLOSER, HOLD OPEN			
EXTERIOR	106I	3'-0"	7'-2"	1 3/4"	ALUM	FG2	1	ALUM	SS	H7	J7	T13	23	CONGREGATE DINING EXTERIOR DOOR, CONTINUOUS HINGE, CLOSER, NO PULL		
INTERIOR	107	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T7	14	MECHANICAL ROOM		
INTERIOR	108	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T7	10	COMMUNICATIONS		
INTERIOR	109	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	T9	09	CLOSER, HOLD OPEN		
INTERIOR	109A	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T9	04	IF ALTERNATE 6A IS ACCEPTED, THIS DOOR TO HAVE T6 THRESHOLD		
INTERIOR	110	6'-0"	7'-0"	1 3/4"	WD	F	2	HM	HM1	H1	J1	T7	16	OVERHEAD STOP		
INTERIOR	111	6'-0"	7'-0"	1 3/4"	WD	F	2	HM	HM1	H1	J1	T7	16	OVERHEAD STOP		
INTERIOR	112	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T7	14	MECHANICAL		
INTERIOR	113	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T7	32	INTERIOR CARD READER (FOI), CLOSER, IF ALTERNATE 6A IS ACCEPTED, THIS DOOR TO HAVE NO THRESHOLD		
INTERIOR	113A	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	T1	04	IF ALTERNATE 6A IS ACCEPTED, THIS DOOR TO HAVE T6 THRESHOLD		
INTERIOR	113B	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T3	10	IF ALTERNATE 6A IS ACCEPTED, THIS DOOR TO HAVE T9 THRESHOLD		
INTERIOR	113C	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T3	18	OCCUPANCY LATCH, IF ALTERNATE 6A IS ACCEPTED, THIS DOOR TO HAVE T9 THRESHOLD		
INTERIOR	113D	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	08	CLOSER, IF ALTERNATE 6A IS ACCEPTED, THIS DOOR TO HAVE T7 THRESHOLD			
INTERIOR	113E	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	11	OVERHEAD STOP, IF ALTERNATE 6A IS ACCEPTED, THIS DOOR TO HAVE T7 THRESHOLD			
INTERIOR	115F	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM4	H3	J3	31	INTERIOR CARD READER (FOI), SIZE OF OPENING SHALL BE VERIFIED IN FIELD, IF ALTERNATE 6A IS ACCEPTED, THIS DOOR TO HAVE NO THRESHOLD			
INTERIOR	114	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T7	10			
EXTERIOR	115A	3'-0"	7'-2"	1 3/4"	ALUM	FG2	1	ALUM	SS	H8	J8	T13	39	EXTERIOR CARD READER (FOI) CONTINUOUS HINGE, AUTO OPERATOR, SIZE OF OPENING SHALL BE VERIFIED IN FIELD		
EXTERIOR	115B	3'-0"	7'-2"	1 3/4"	ALUM	FG2	1	ALUM	SS	H6	J6	T13	23	CONTINUOUS HINGE, NO EXTERIOR PULL, SIZE OF OPENING SHALL BE VERIFIED IN FIELD		
INTERIOR	115C	3'-0"	7'-2"	1 3/4"	ALUM	FG3	1	ALUM	N10	H2	J2	T1	34	CONTINUOUS HINGE, AUTO OPERATOR, INSULATED CLEAR TEMPERED GLASS, IF ALTERNATE 6A IS ACCEPTED, THIS DOOR TO HAVE T6 THRESHOLD		
INTERIOR	115E	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM2	H3	J3	T3	30	PUSH PLATES, PULL, NO LATCH		
INTERIOR	115F	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM2	H3	J3	T3	30			
INTERIOR	116A	6'-0"	7'-0"	1 3/4"	HM	FG1	2	HM	HM12	H1	J1	29	PANIC HARDWARE, HOLD OPEN, CLOSER			
INTERIOR	116B	6'-0"	7'-0"	1 3/4"	HM	FG1	2	HM	HM12	H1	J1	29	PANIC HARDWARE, HOLD OPEN, CLOSER			
INTERIOR	116C	6'-0"	7'-0"	1 3/4"	WD	F	2	HM	HM1	H1	J1	T7	16	OVERHEAD STOP		
INTERIOR	116D	3'-0"	7'-0"	1 3/4"	HM	FG1	1	HM	HM3	H1	J1	T7	08			
INTERIOR	116E	6'-0"	7'-0"	1 3/4"	HM	FG1	2	HM	HM12	H1	J1	29	PANIC HARDWARE, HOLD OPEN, CLOSER			
INTERIOR	116F	6'-0"	7'-0"	1 3/4"	HM	FG1	2	HM	HM7	H1	J1	29	PANIC HARDWARE, HOLD OPEN, CLOSER			
INTERIOR	116G	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM3	H1	J1	T7	08			
INTERIOR	116H	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T7	10			
INTERIOR	117	6'-0"	7'-0"	1 3/4"	WD	F	2	HM	HM1	H1	J1	T7	15	SIZE OF OPENING SHALL BE VERIFIED IN FIELD		
INTERIOR	118A	6'-0"	7'-0"	1 3/4"	WD	FG10	2	HM	HM2	H3	J3	T4	22	OVERHEAD STOP		
INTERIOR	118B	3'-0"	7'-0"	1 3/4"	HM	FG1	1	HM	HM9	H3	J3	T4	19	OVERHEAD STOP		
EXTERIOR	119	3'-0"	7'-0"	1 3/4"	HM	F	1	HM	HM2	H4	J4	T13	26	ELECTRICAL ROOM, PANIC HARDWARE, CLOSER		
INTERIOR	120	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	20	COMMUNICATIONS			
INTERIOR	121	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM3	H1	J1	T7	08			
INTERIOR	122	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM3	H1	J1	T7	08			
INTERIOR	123	3'-0"	7'-0"	1 3/4"	HM	F	1	HM	HM1	H1	J1	T9	13			
INTERIOR	126	3'-0"	7'-0"	1 3/4"	HM	F	1	HM	HM1	H1	J1	T9	13			
INTERIOR	127	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T6	05			
INTERIOR	128	3'-0"	7'-0"	1 3/4"	HM	FG1	1	HM	HM6	H1	J1	T7	06	IF ALTERNATE 6A IS ACCEPTED, THIS DOOR DOES NOT HAVE THRESHOLD		
EXTERIOR	129A	6'-0"	7'-2"	1 3/4"	ALUM	FG2	2	ALUM	S4	H8	J8	T13	27	PANIC HARDWARE, CONTINUOUS HINGE, CLOSER, KEYED REMOVABLE MULLION, WEATHER STRIP, RAIN DRIP		
INTERIOR	129B	6'-0"	7'-0"	1 3/4"	ALUM	FG3	2	ALUM	N8	H2	J2	T6	35	CONTINUOUS HINGE, CLOSER, WEATHER STRIP		
EXTERIOR	130A	6'-0"	7'-2"	1 3/4"	ALUM	FG2	2	ALUM	S4	H7	J7	T13	27	PANIC HARDWARE, CONTINUOUS HINGE, CLOSER, KEYED REMOVABLE MULLION, WEATHER STRIP, RAIN DRIP		
INTERIOR	130B	6'-0"	7'-0"	1 3/4"	ALUM	FG3	2	ALUM	N8	H2	J2	T6	35	CONTINUOUS HINGE, CLOSER, WEATHER STRIP		
INTERIOR	131A	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	HM1	H1	J1	T7	37	PANIC HARDWARE, INTERIOR CARD READER (FOI), CLOSER, IF ALTERNATE 6A IS ACCEPTED, THIS DOOR DOES NOT HAVE THRESHOLD		
EXTERIOR	200A	6'-0"	7'-0"	1 3/4"	ALUM	FG2	2	ALUM	S2	6AS-01	1AAS-02	T13	40	PANIC HARDWARE, CONTINUOUS HINGE, CLOSER, AUTO OPERATOR (1 LEAF), KEYED REMOVABLE MULLION, RAIN DRIP, WEATHER STRIP		
INTERIOR	200B	6'-0"	7'-0"	1 3/4"	ALUM	FG3	2	ALUM	N15	H2	J2	T6	36	CONTINUOUS HINGE, AUTO OPERATOR		
INTERIOR	201A	3'-0"	7'-0"	1 3/4"	ALUM	FG1	1	ALUM	N16	H2	J2	25	PANIC HARDWARE, CONTINUOUS HINGE, CLOSER, HOLD OPEN			
INTERIOR	201B	3'-0"	7'-0"	1 3/4"	ALUM	FG1	1	ALUM	N17	H2	J2	25	PANIC HARDWARE, CONTINUOUS HINGE, CLOSER, HOLD OPEN			
INTERIOR	202	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	04				
INTERIOR	203	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	04				
INTERIOR	204	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	04				
INTERIOR	205	3'-0"	7'-0"	1 3/4"	WD	N	1	HM	HM1	H1	J1	04				



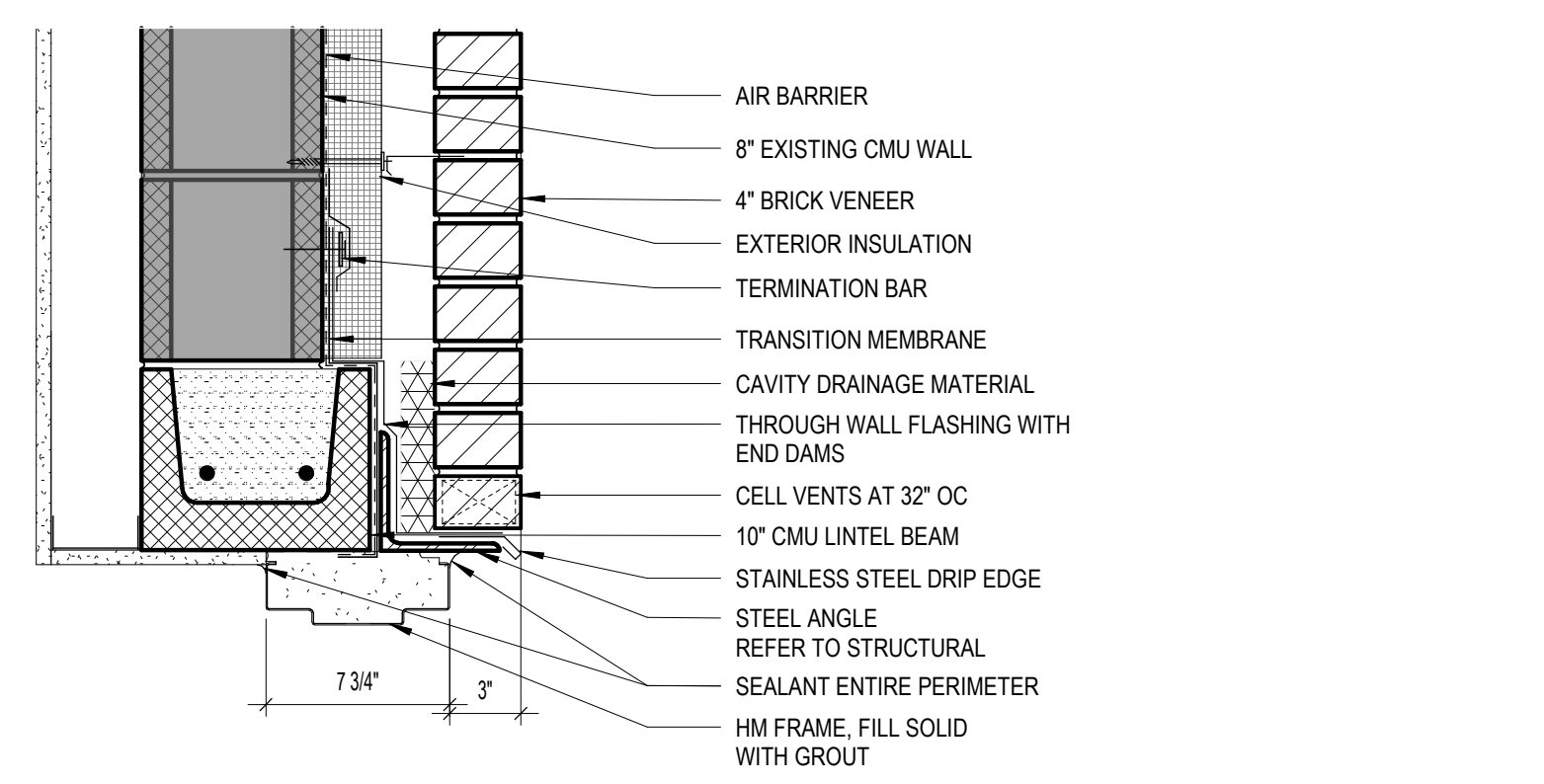
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BID DOCUMENTS

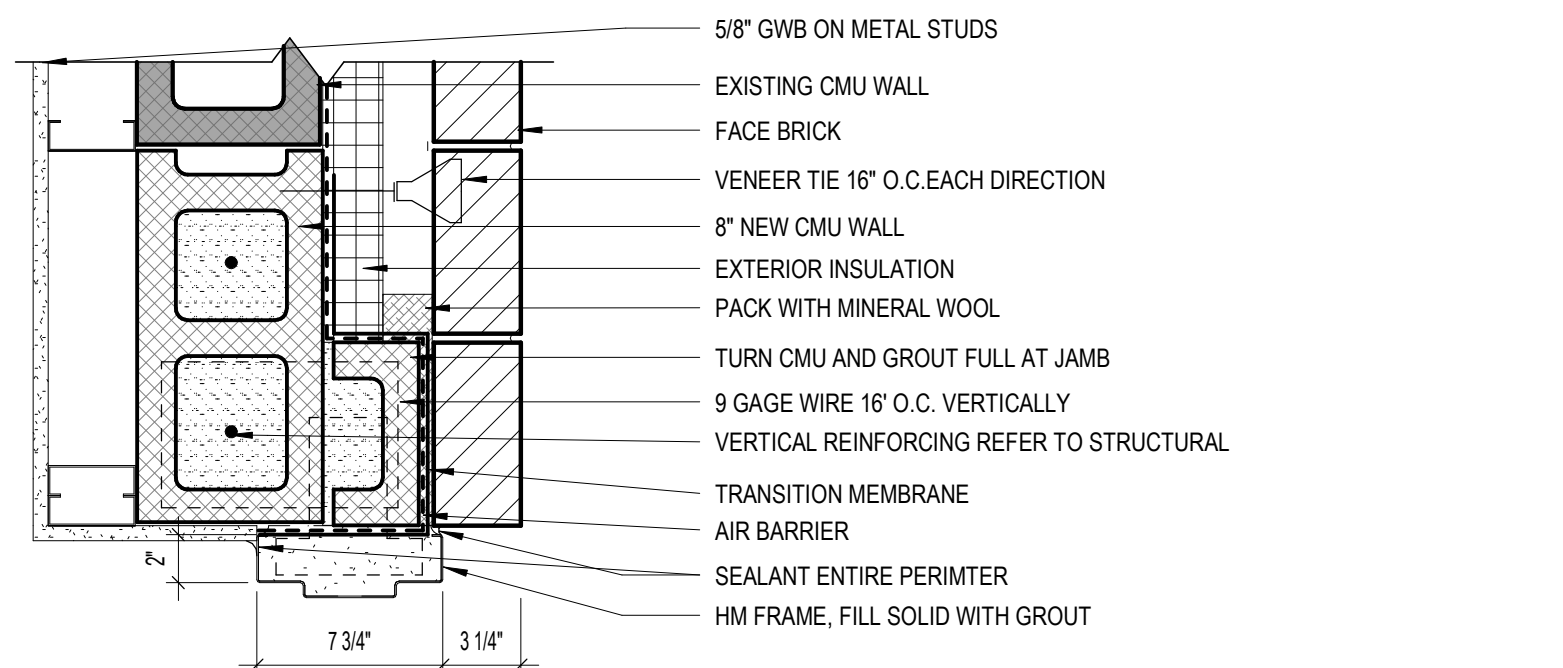
Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	Addendum	DESCRIPTION
1	11/05/2024	Addendum 1	

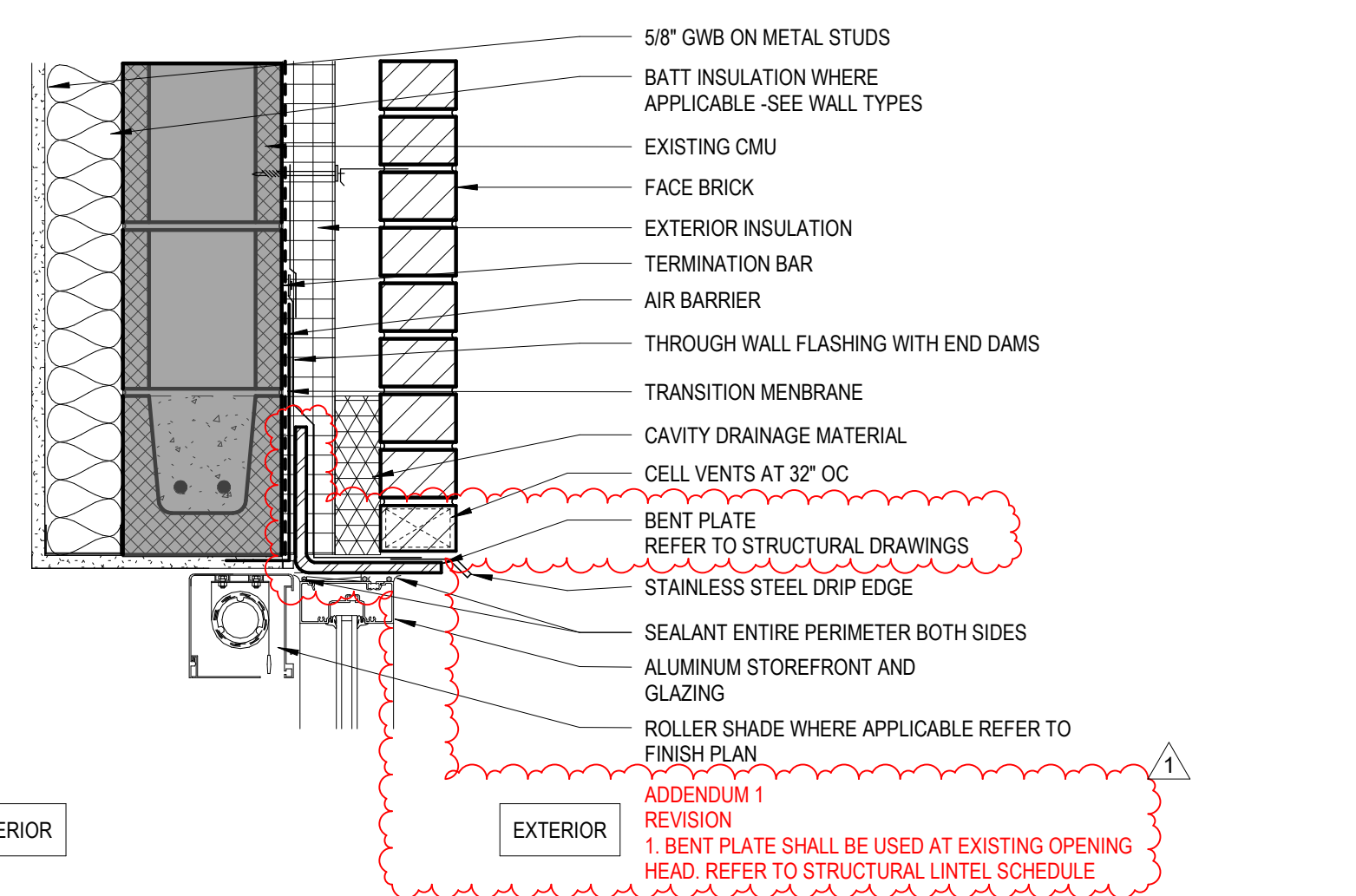
DRAWN BY: FANB
CHECKED BY: JEG
JAMB, HEAD AND
SILL DETAILS



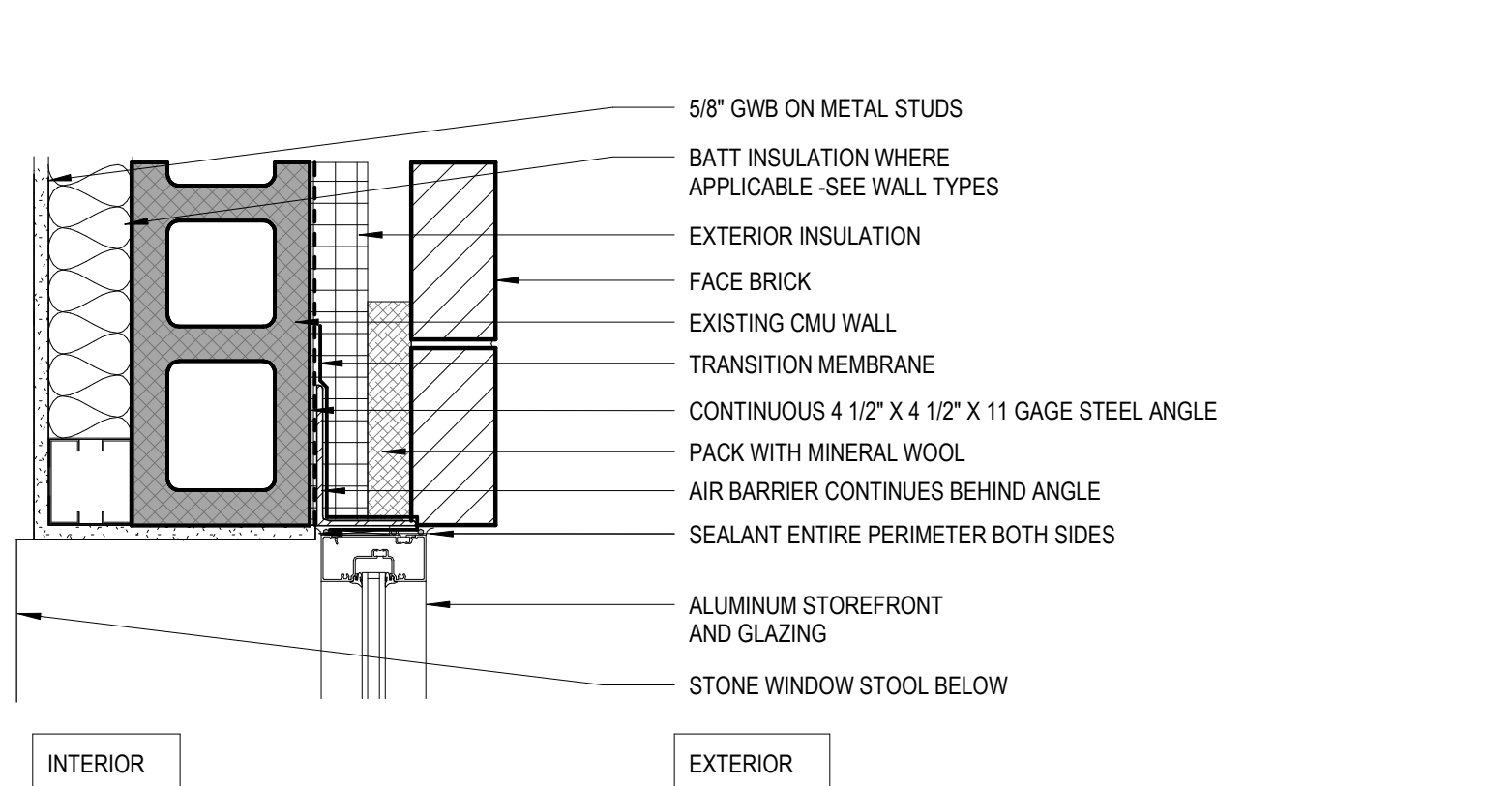
10 H4 - HM HEAD AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



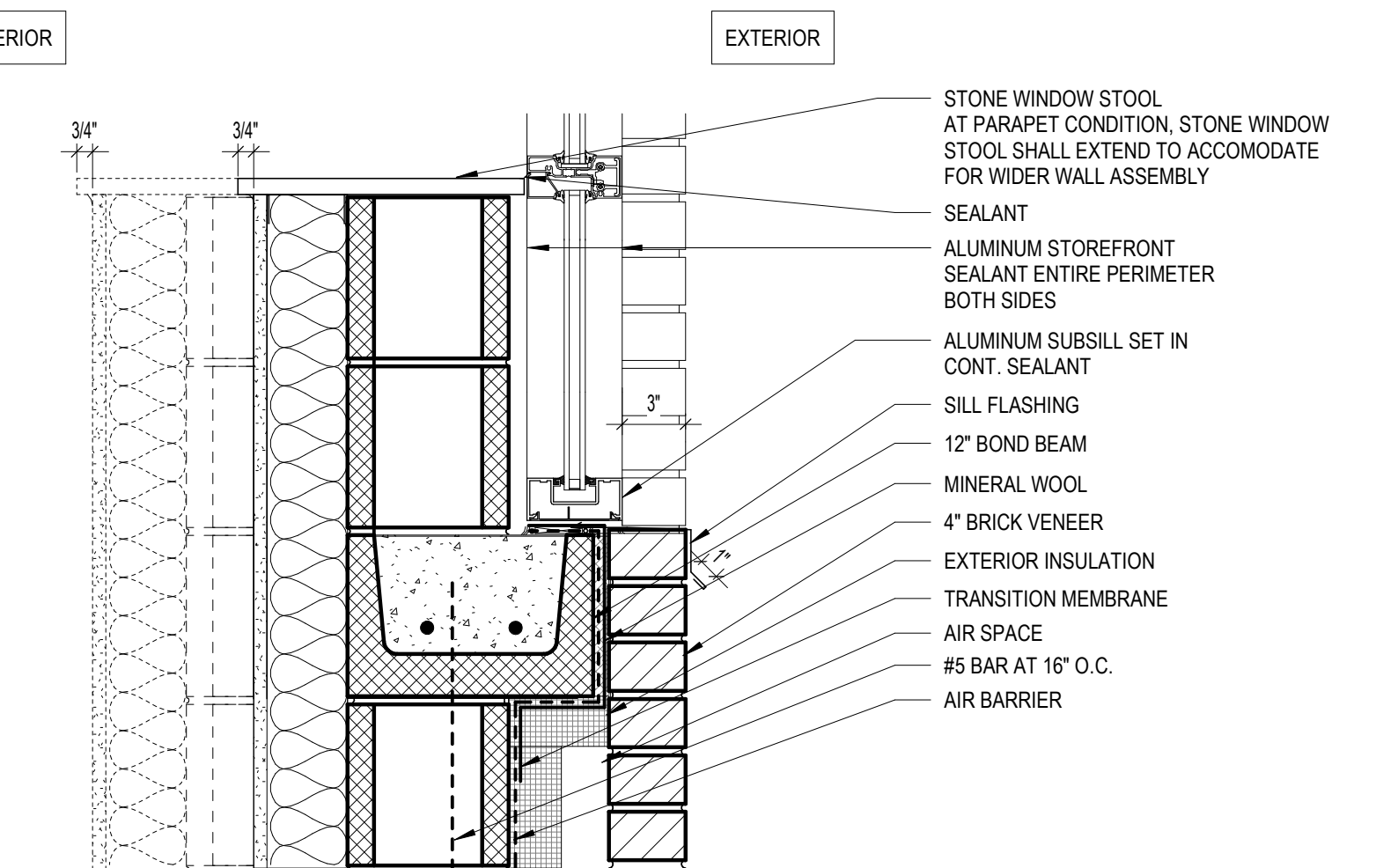
12 J4 - HM JAMB AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



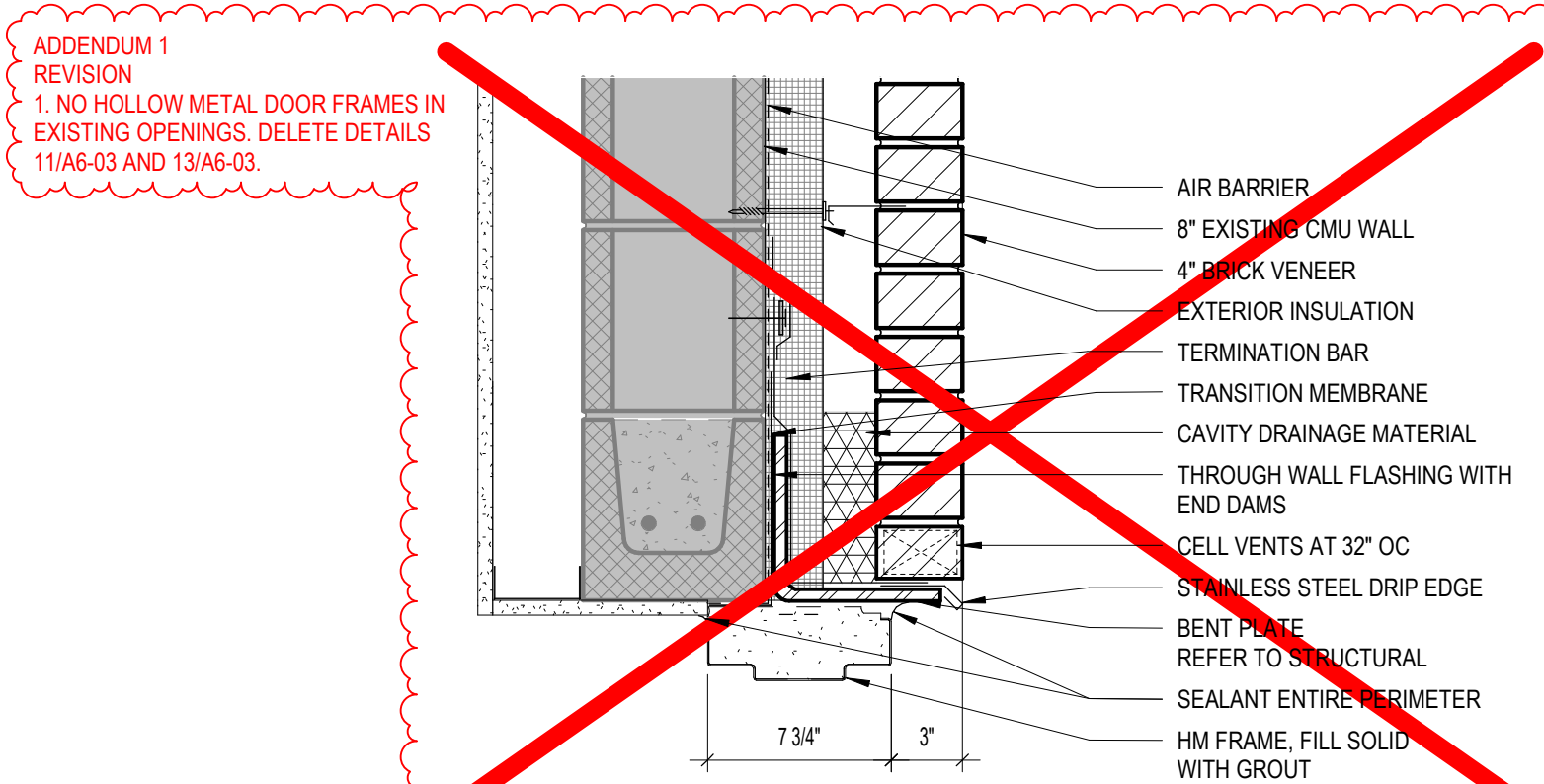
7 H6 - STOREFRONT HEAD AT EXTERIOR MASONRY (EXISTING OPENING)
A6-03 1 1/2" = 1'-0"



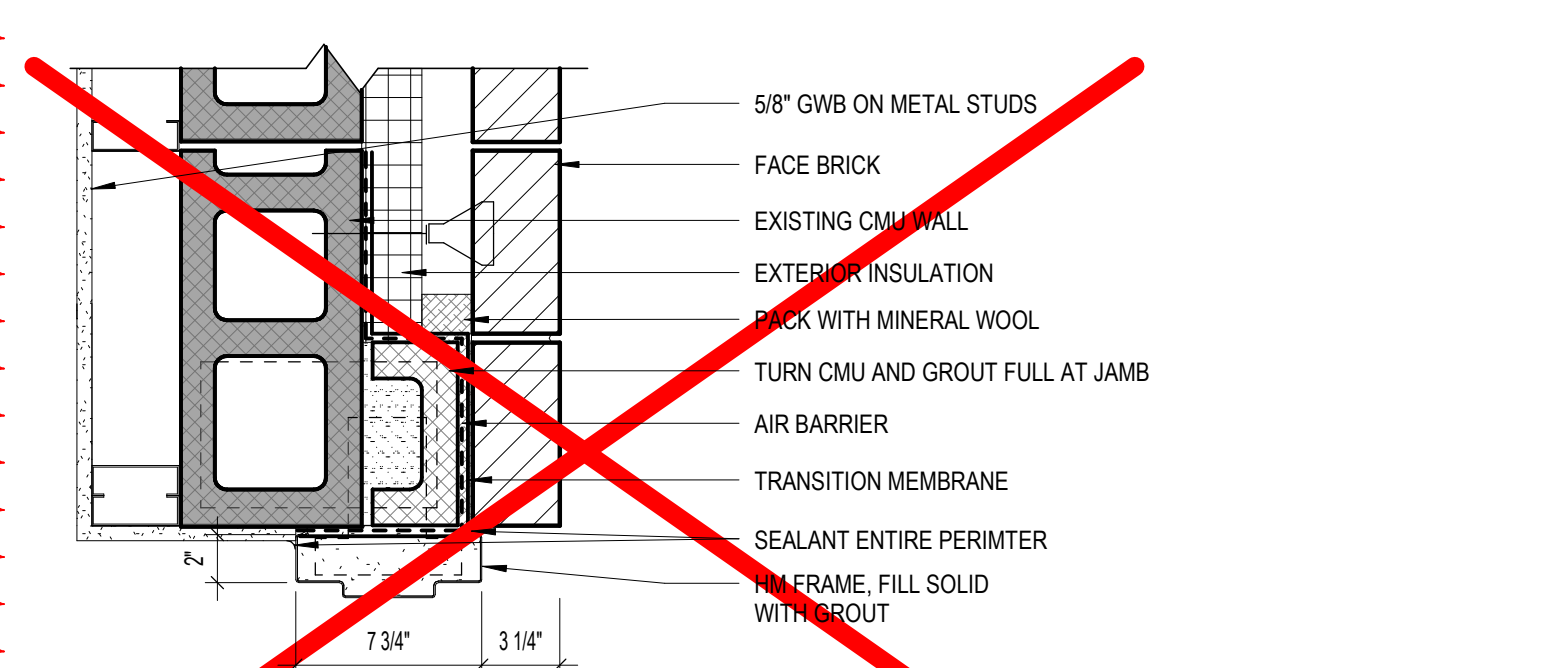
4 J6 - STOREFRONT JAMB AT EXTERIOR MASONRY (EXISTING OPENING)
A6-03 1 1/2" = 1'-0"



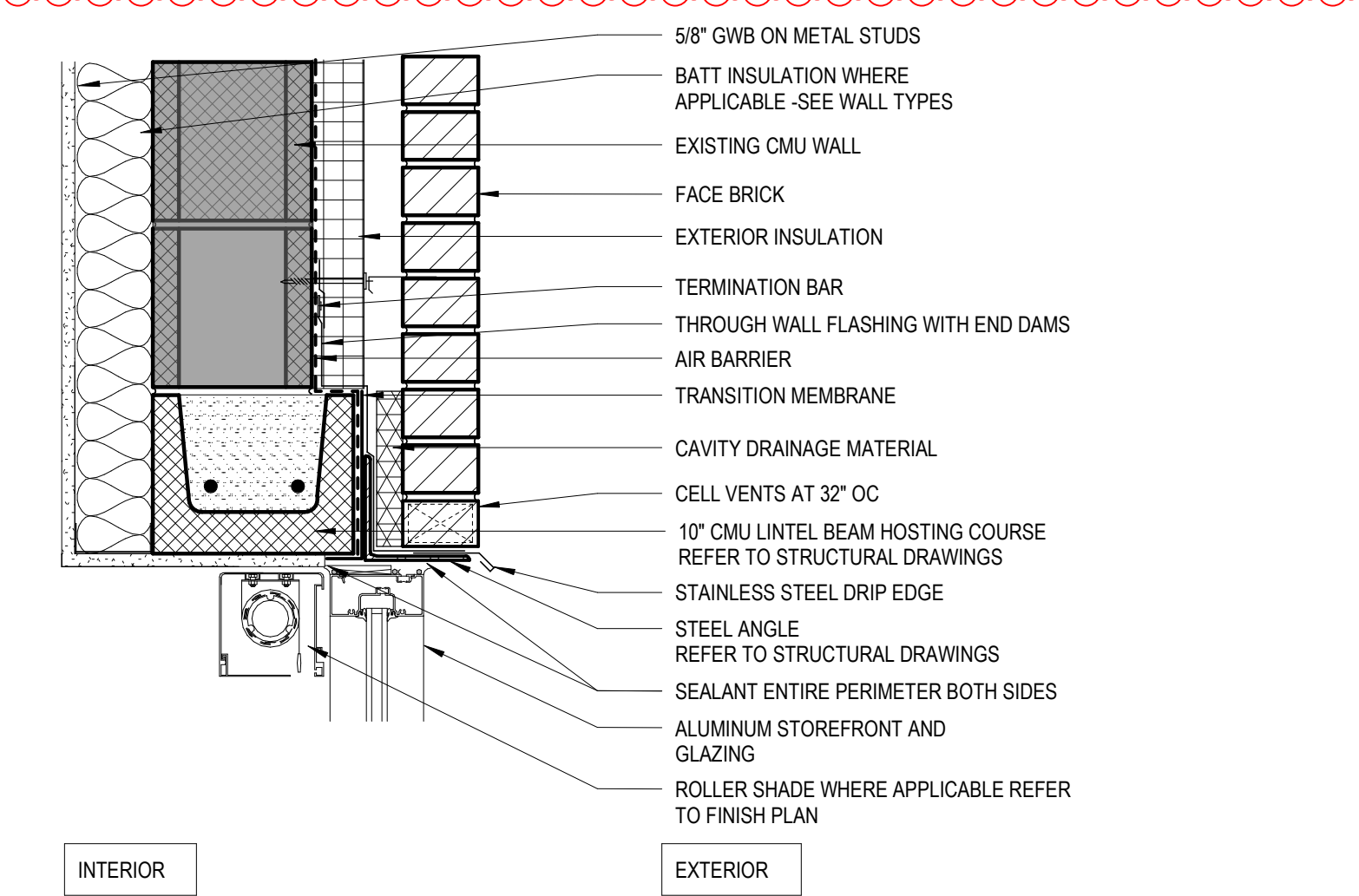
1 S1 - SPANDREL STOREFRONT SILL AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



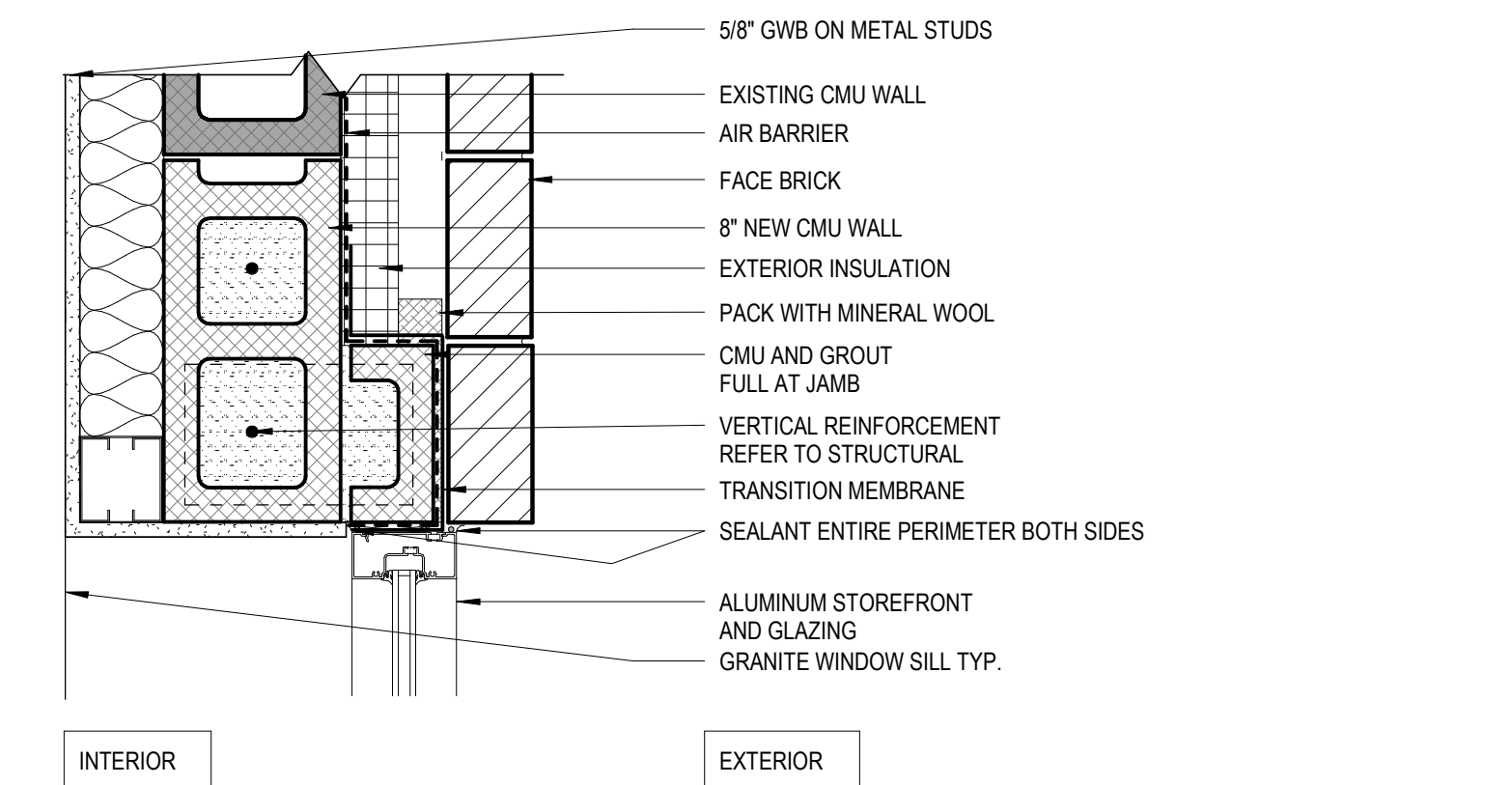
11 H5 - HM HEAD AT EXTERIOR MASONRY (EXISTING OPENING)
A6-03 1 1/2" = 1'-0"



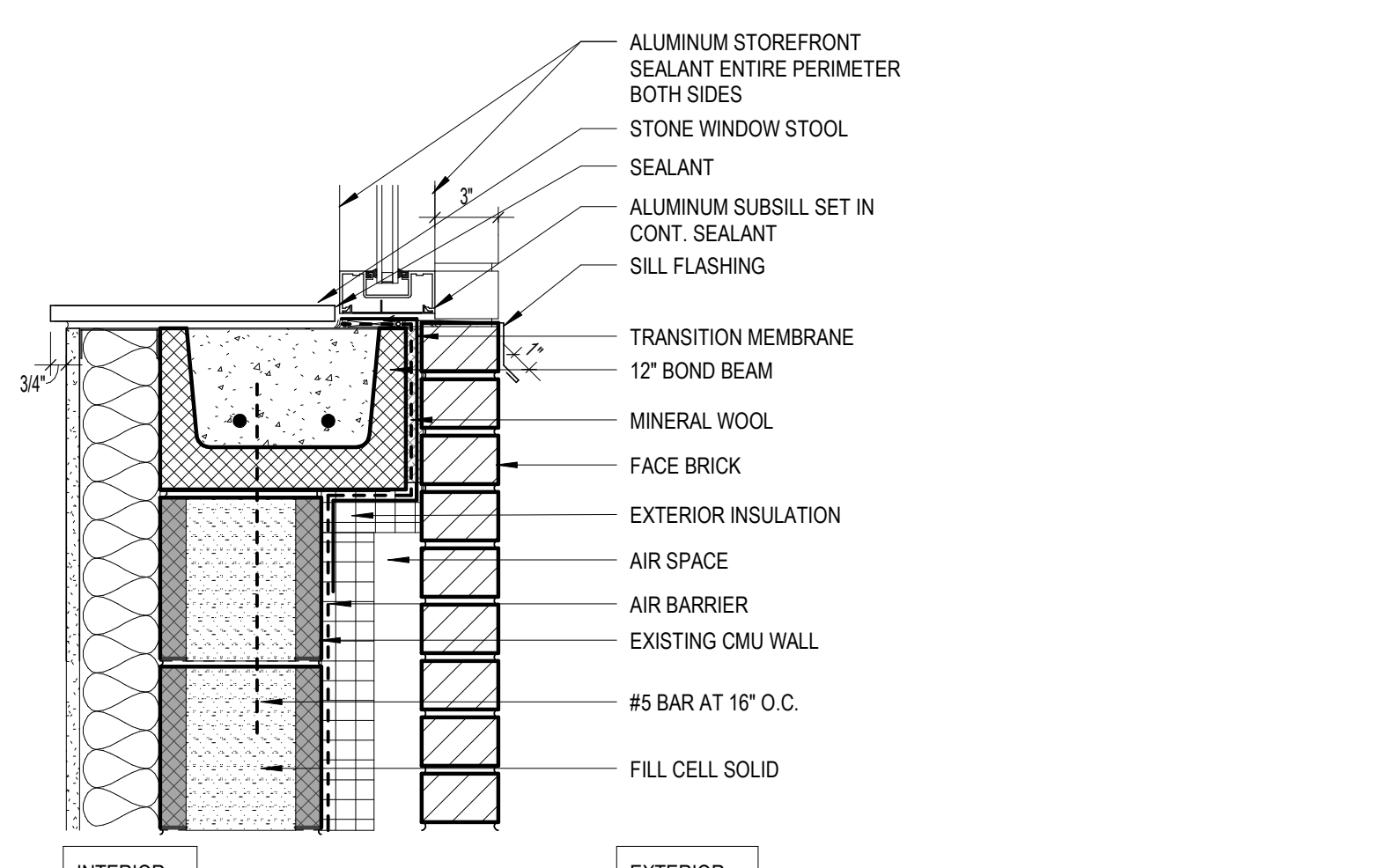
13 J5 - HM JAMB AT EXTERIOR MASONRY (EXISTING OPENING)
A6-03 1 1/2" = 1'-0"



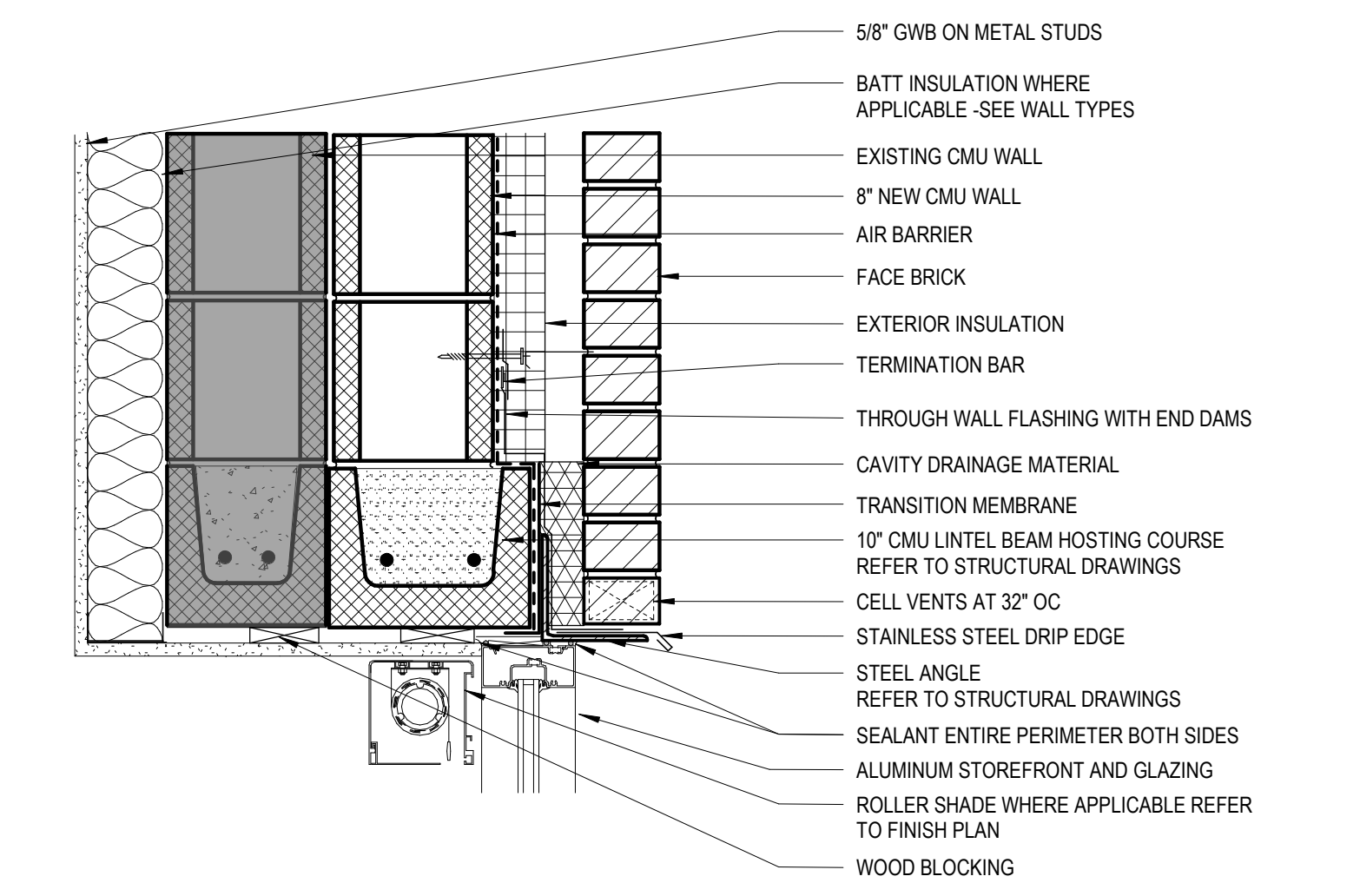
8 H7 - STOREFRONT HEAD AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



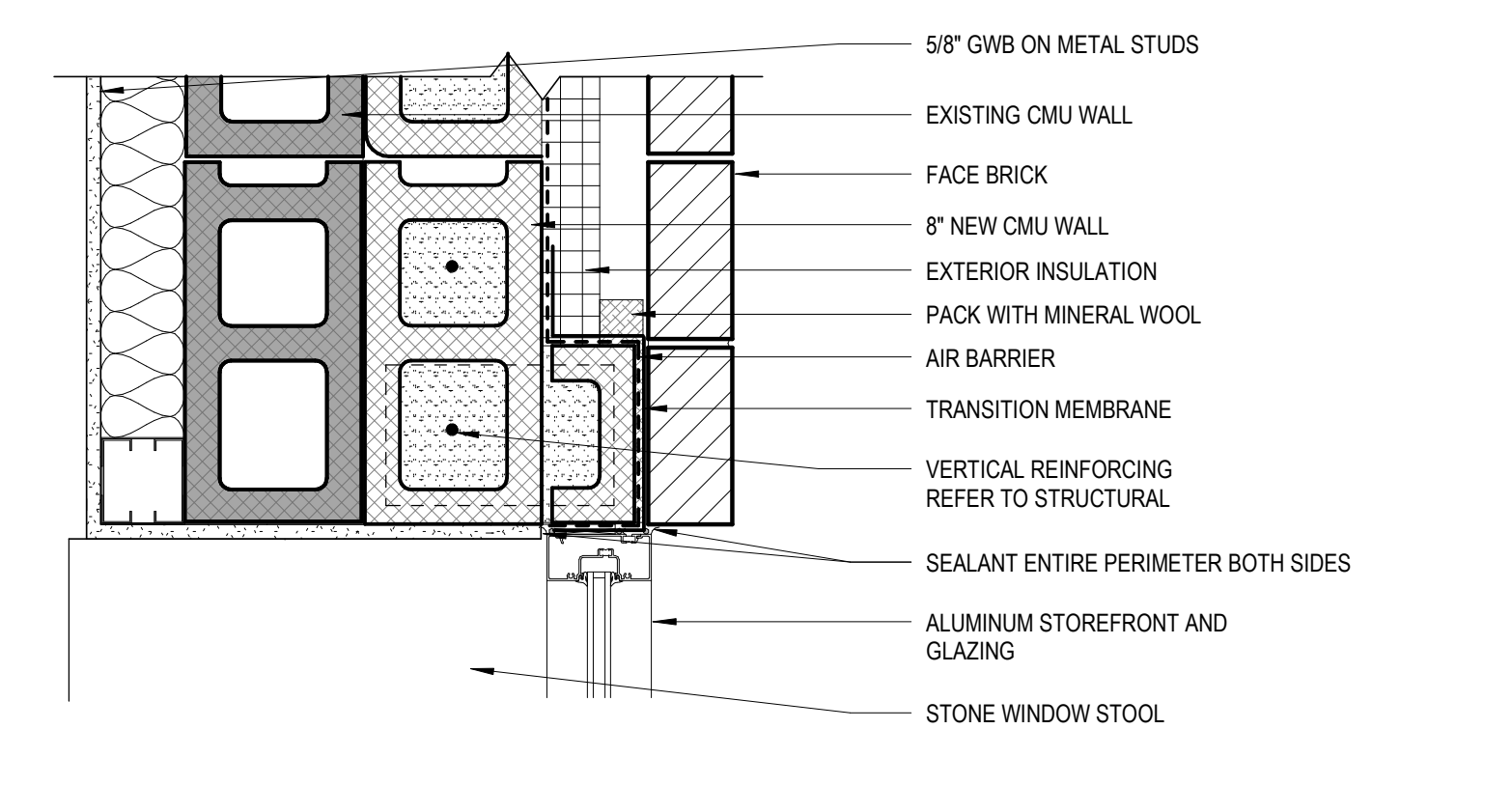
5 J7 - STOREFRONT JAMB AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



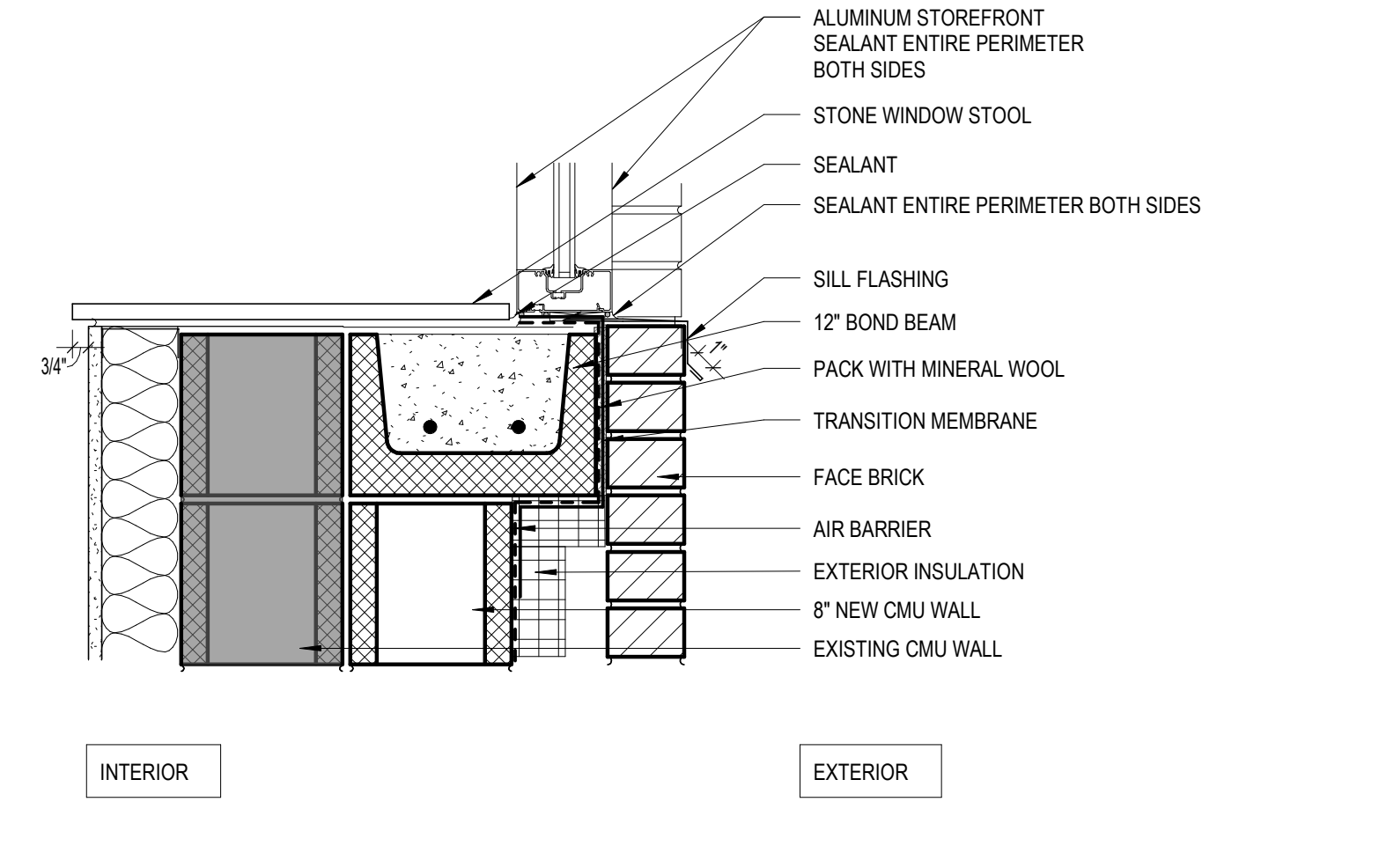
2 S2 - STOREFRONT SILL AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



9 H8 - STOREFRONT HEAD AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"

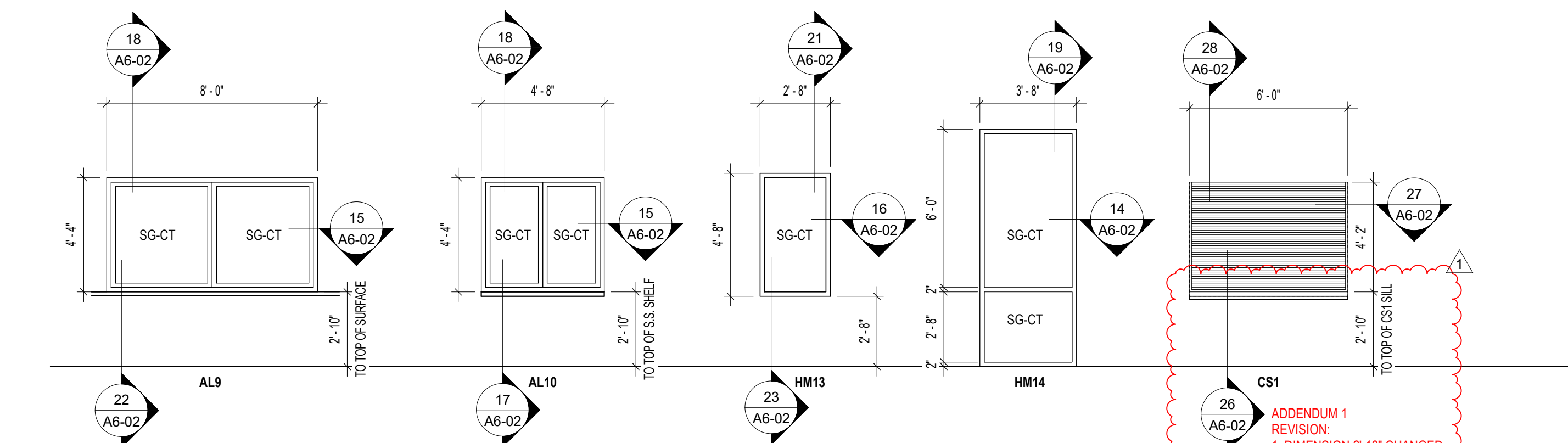
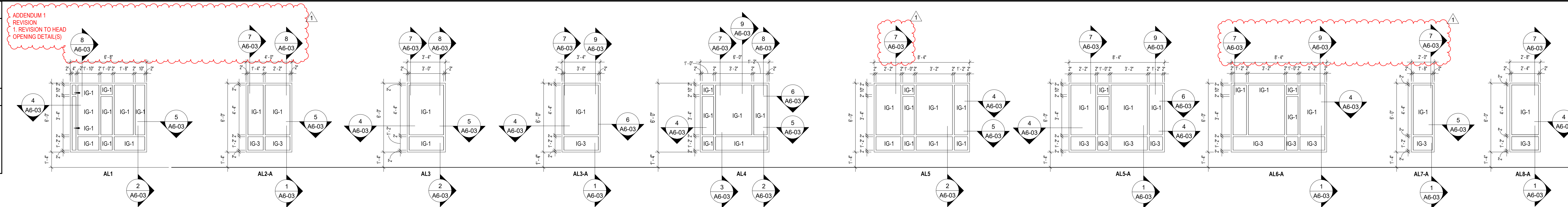


6 J8 - STOREFRONT JAMB AT EXTERIOR MASONRY (NEW OPENING)
A6-03 1 1/2" = 1'-0"



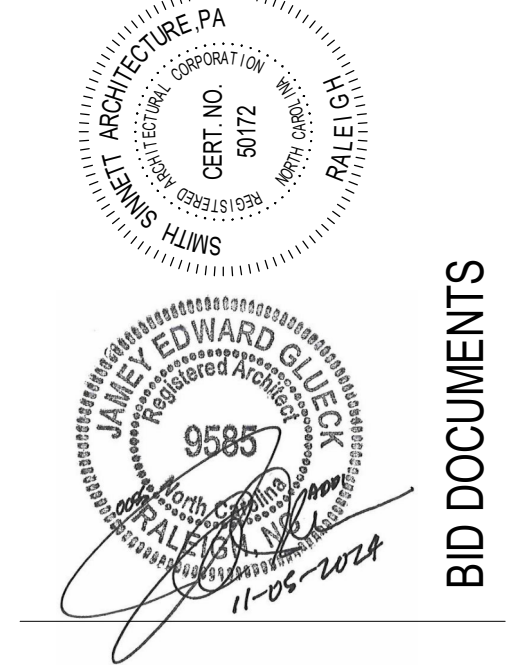
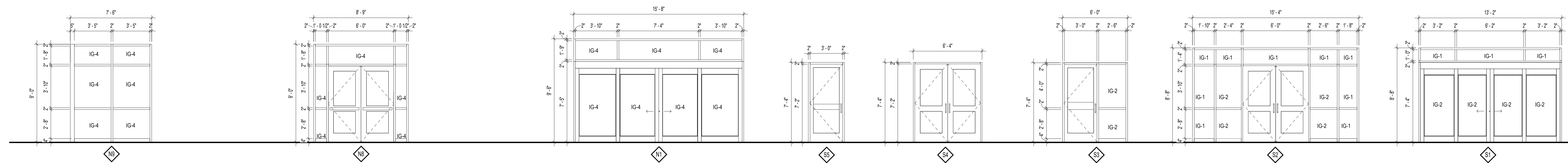
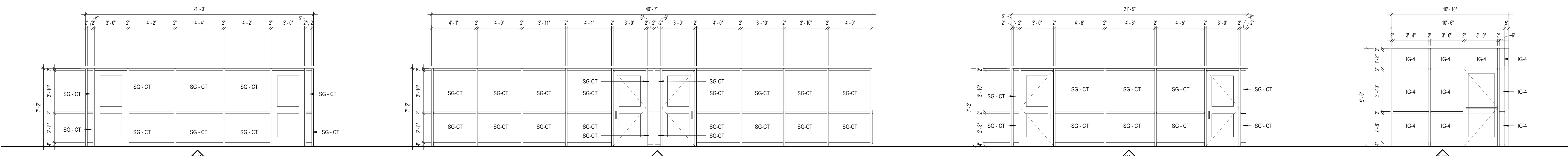
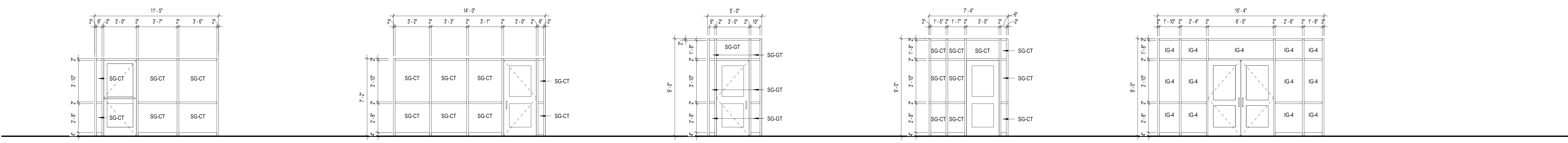
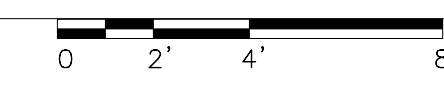
3 S3 - STOREFRONT SILL DETAIL (NEW OPENING)
A6-03 1 1/2" = 1'-0"

LEGEND:	
HM -	HM FRAME DESIGNATION
AL -	ALUMINUM WINDOW FRAME
N -	INTERIOR ALUM. STOREFRONT
S -	EXTERIOR ALUM. STOREFRONT
GLAZING:	
IG -	INSULATED GLASS
IG-1	LOW-E TINTED
IG-2	LOW-E TINTED TEMPERED
IG-3	LOW-E TINTED SPANDREL
IG-4	CLEAR TEMPERED
SG - CT	SAFETY GLASS - CLEAR TEMPERED



WINDOW LEGEND
1/4" = 1'-0"

ADDENDUM 1
REVISION
1. DIMENSION 2'-10" CHANGED TO TOP OF CS1 SILL



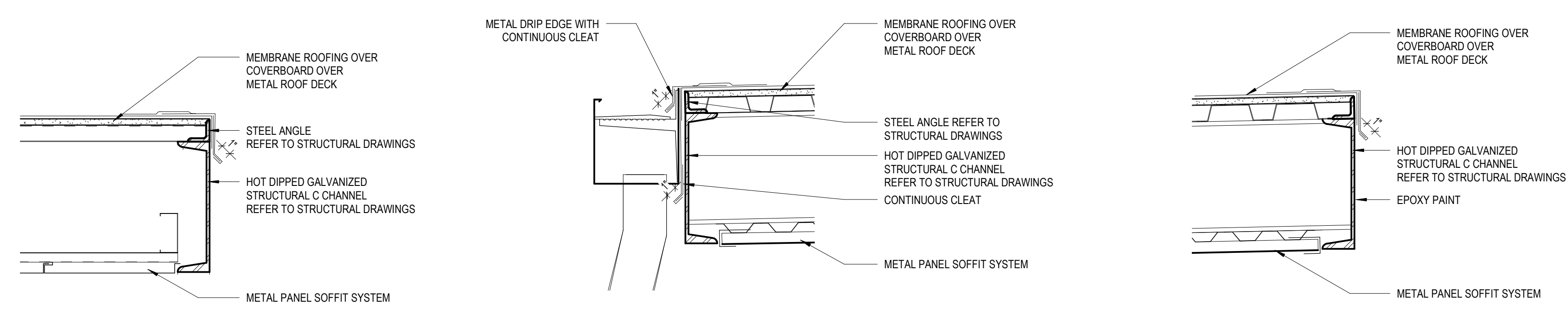
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THIS DRAWING IS CONSIDERED TO BE PRINTED ON A 32 X 42 SHEET

**Onslow County Senior Services Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

ID	DATE	DESCRIPTION
1	11/05/2024	Addendum 1

DRAWN BY: FA
CHECKED BY: JEG
**STOREFRONT,
WINDOW AND
FRAME
ELEVATIONS**
2021029 05 NOV. 2024

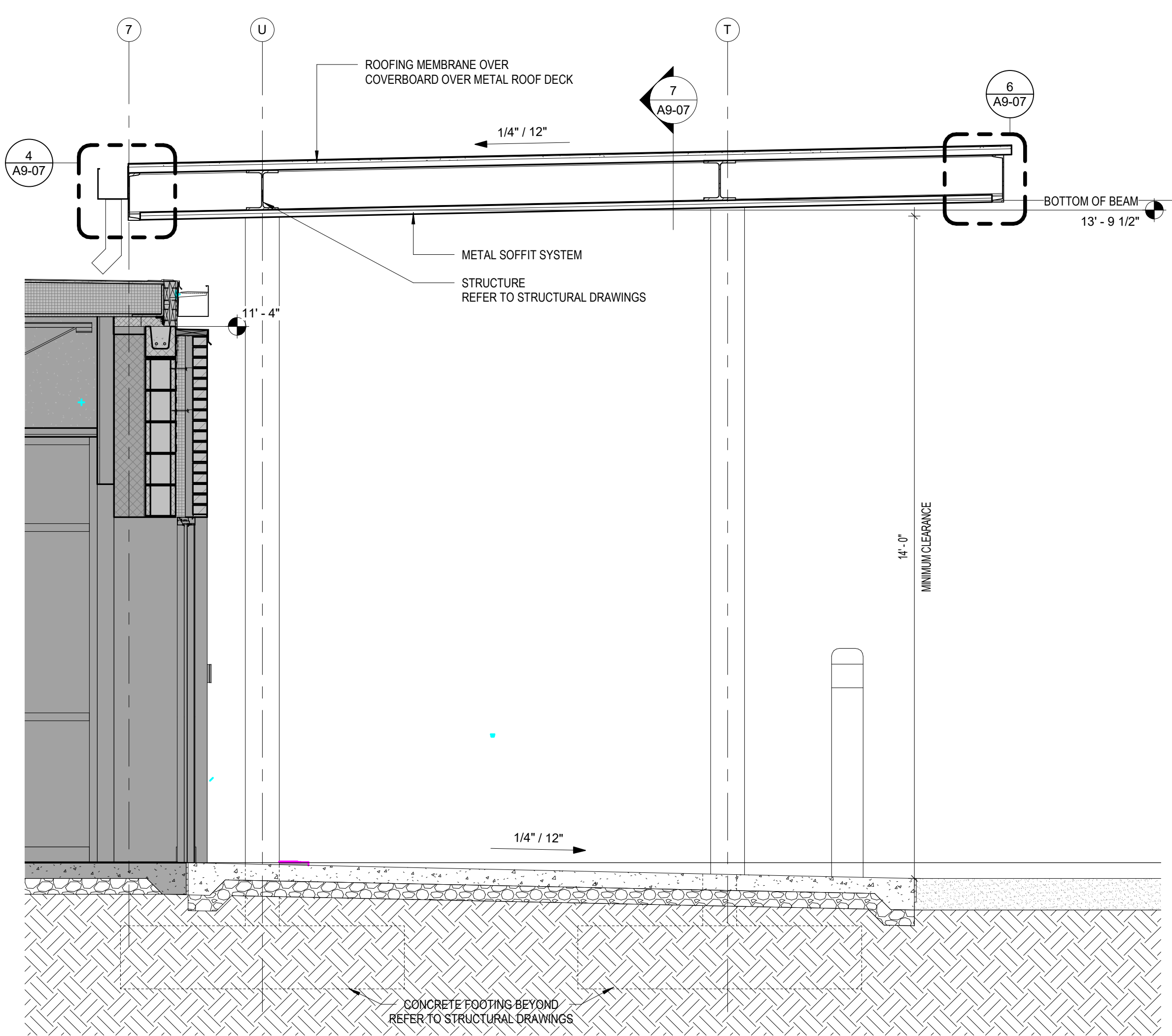
ALTERNATE ROOF LEGEND:	
	INDICATES DIRECTION OF ROOF SLOPE ACHIEVED THROUGH SLOPE OF STRUCTURE
DS	PREFINISHED ALUMINUM DOWNSPOUT, TYPICAL
ALTERNATE ROOF TYPES LEGEND:	
C	ROOF TYPE: ROOF MEMBRANE SYSTEM OVER COVER BOARD OVER NEW METAL ROOF DECK
GENERAL NOTES:	
1.	IF ALTERNATE 4 CANOPY IS ACCEPTED, BASE BID WALKWAY COVERING SHALL BE DELETED



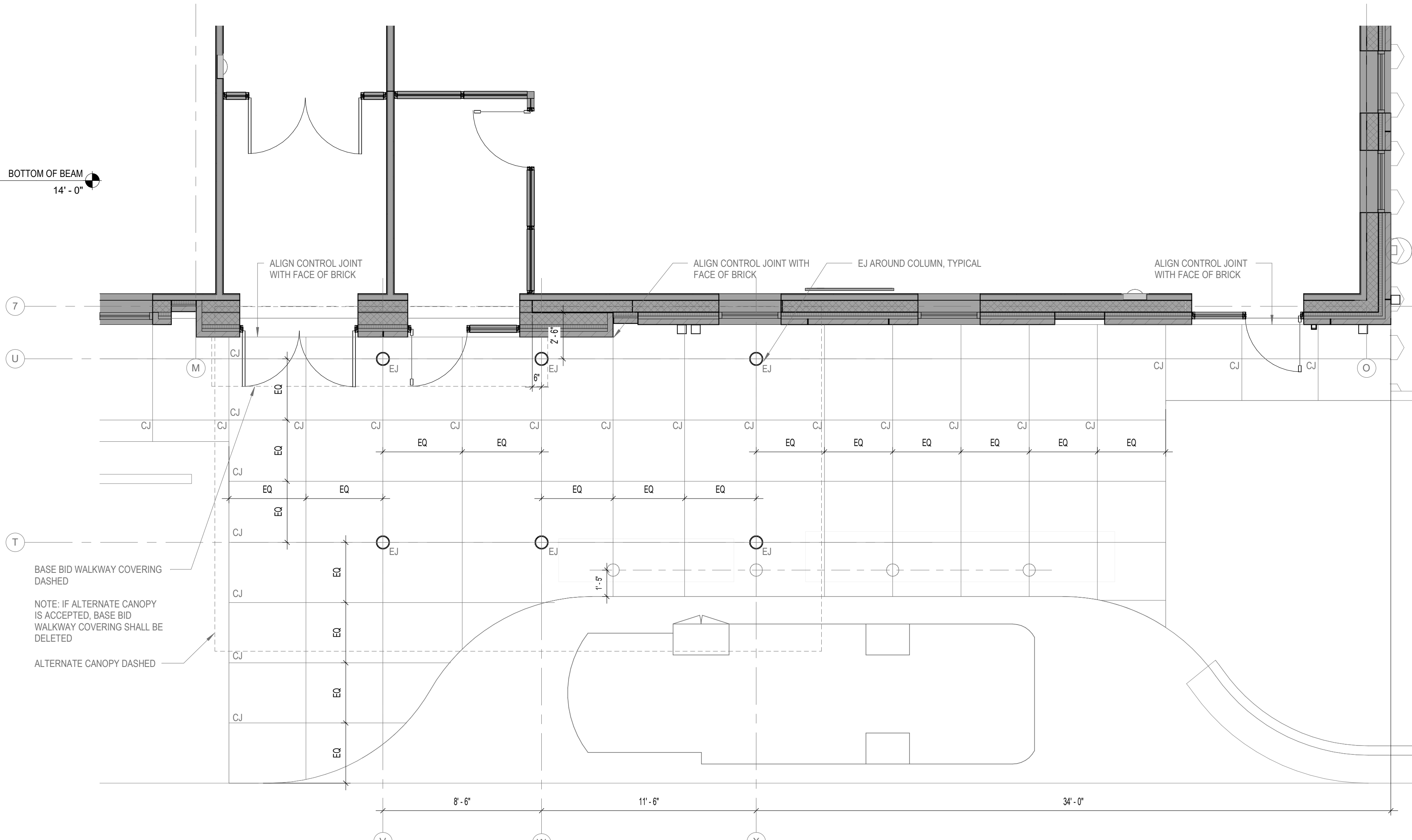
7 COVERING EDGE DETAIL
A9-07 1 1/2" = 1'-0"

4 COVERING EDGE DETAIL
A9-07 1 1/2" = 1'-0"

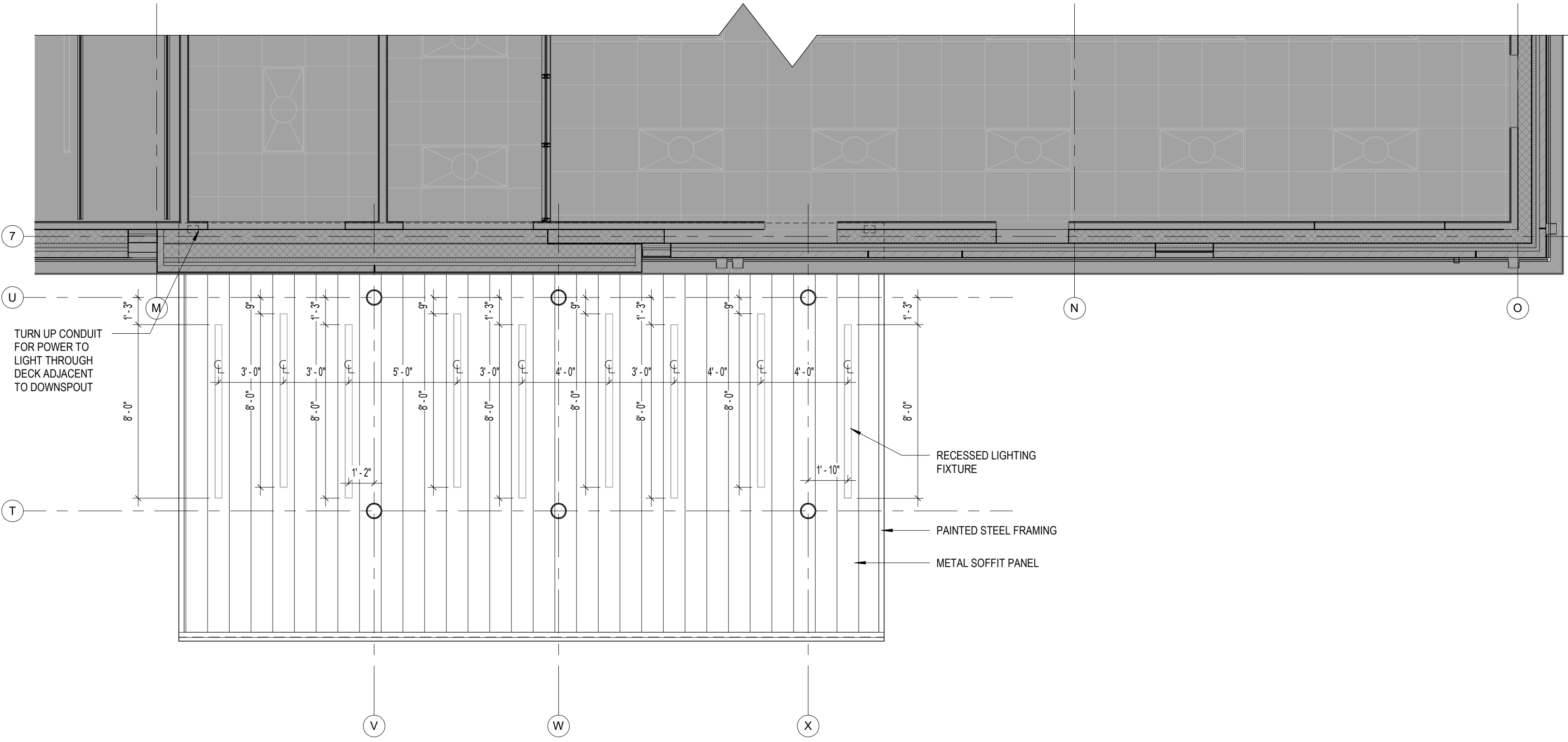
6 COVERING EDGE DETAIL
A9-07 1 1/2" = 1'-0"



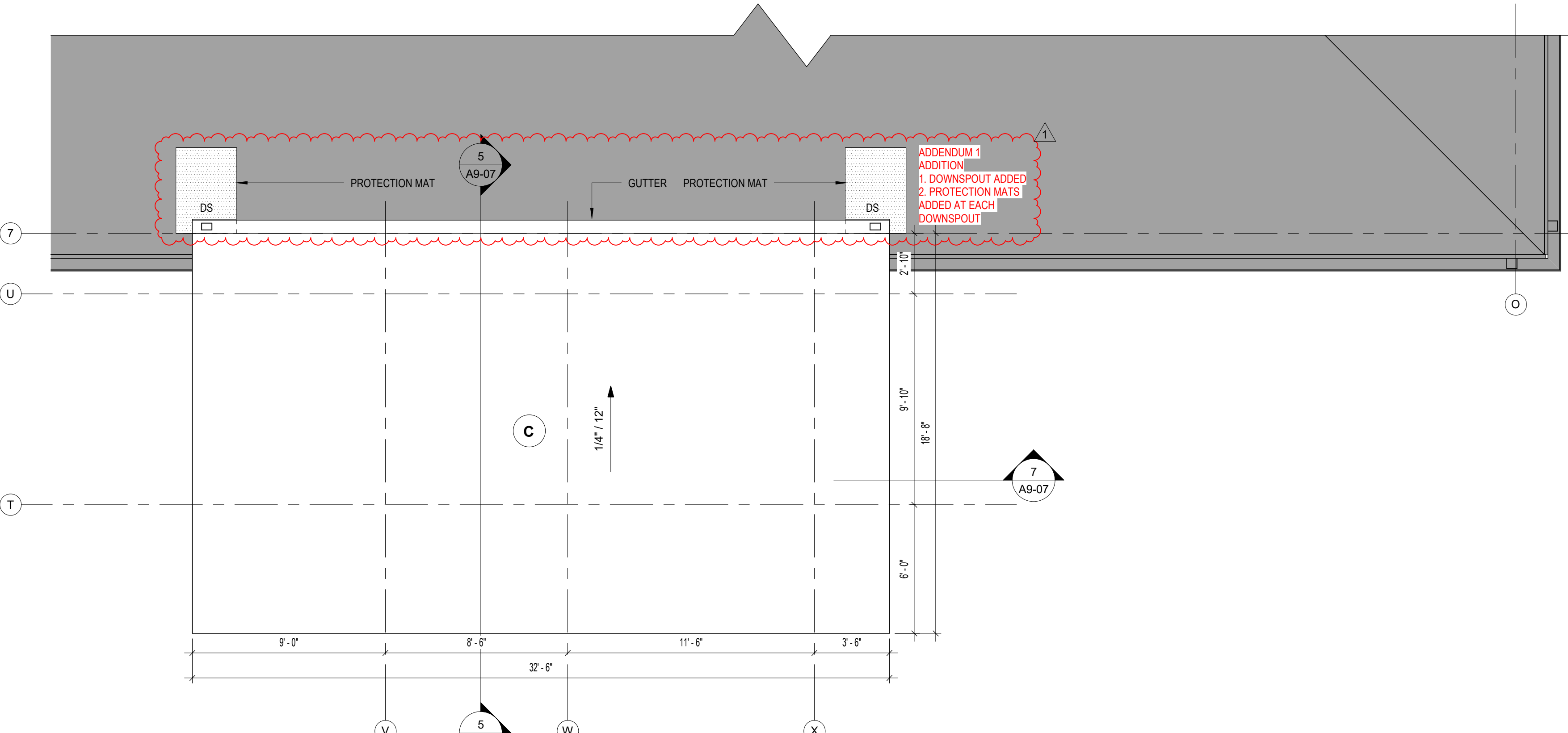
5 ALTERNATE 4 - WALKWAY COVERING SECTION
A9-07 1/2" = 1'-0"



1 ALTERNATE 4 - FLOOR PLAN
A9-07 1/4" = 1'-0"



2 ALTERNATE 4 - REFLECTED CEILING PLAN
A9-07 1/4" = 1'-0"



3 ALTERNATE 4 - ROOF PLAN
A9-07 1/4" = 1'-0"

ID	DATE	DESCRIPTION
1	11/05/2024	Addendum 1



Progressive Design Collaborative, Ltd

3101 Poplarwood Court, Suite 320

Raleigh, North Carolina 27604

919-790-9989

ADDENDUM 01 – PLUMBING

DATE: November 5, 2024

PROJECT: Onslow County Senior Services Center Renovation
PDC Project No. 22074

This Addendum, applicable to the work designed below, shall be understood to be and is a change to the bid documents and shall be part of and included in the contract for the above referenced project. All General, Supplementary and Special Conditions, etc., as originally specified or as modified below shall apply to these items.

Changes to Electrical Drawings:

1. Drawing P2-02
 - a. Added: FD-4 Hub Drain to Laundry 244 for condensate from DS-3 on mechanical sheet M2-02 .
2. Drawing P4-01
 - a. Revised waste and vent riser for added hub drain.

END OF ADDENDUM 01 – PLUMBING

Attachments: Drawings: (As indicated above)



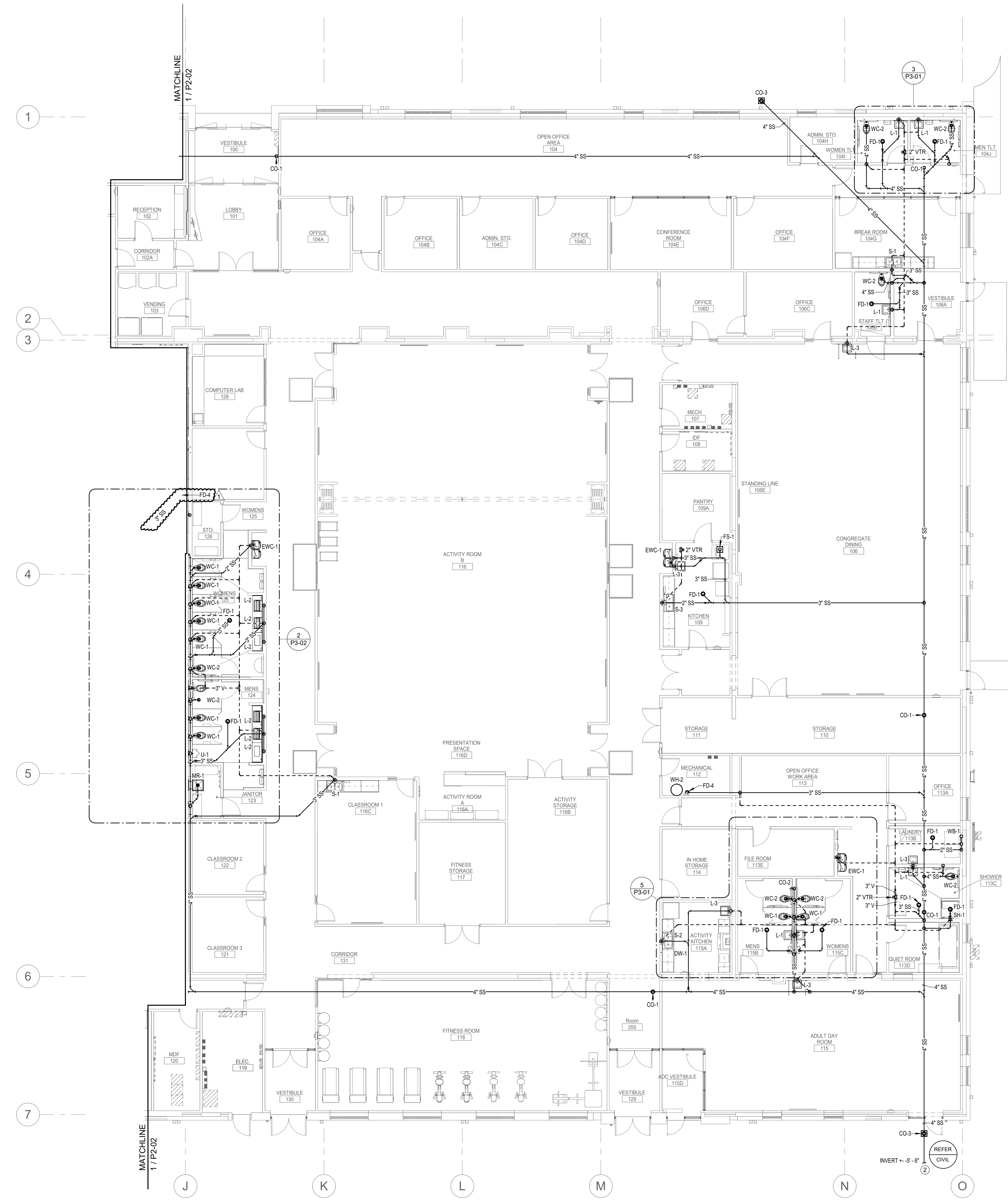
pdcengineers.com

GENERAL NOTES:

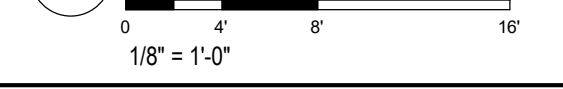
- A. ALL VENT PIPING SHALL BE 2" UNLESS NOTED OTHERWISE.
- B. ALL PIPING ROUTING AND HANGER AND SUPPORT INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO START OF WORK.
- C. ALL BELOW SLAB WASTE PIPING AND INVERTS SHALL BE COORDINATED WITH CIVIL DRAWINGS AND STRUCTURAL CONCRETE FOUNDATIONS AND FOOTINGS PRIOR TO THE START OF WORK.
- D. COORDINATE INSTALLATION OF ROUGH-INS AND FIXTURES WITH CASEWORK/MILLWORK SHOWN IN THE ARCHITECTURE DRAWINGS AND FIELD VERIFY LAYOUT WITH ACCESSIBILITY REQUIREMENTS PRIOR TO START OF WORK AND AFTER ROUGH-IN.
- E. PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED SO THAT NO PIPING IS SUBJECT TO BENDING AND/OR DEFLECTION.
- F. PROVIDE NEW WATER HAMMER ARRESTORS ON COLD WATER PIPING JUST UPSTREAM OF THE LAST FLUSH VALVE FIXTURE FOR EACH COLD WATER BRANCH SERVING FLUSH VALVE FIXTURES - SIZED AS NEEDED ACCORDING TO SCHEDULE ON SHEET P101 AND ACCESSIBLE FOR FUTURE REPLACEMENT - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN AND/OR ELEVATIONS.
- G. PROVIDE FULL-PORT TWO-PIECE ALL BRONZE BALL VALVES ON DOMESTIC HOT AND COLD WATER PIPING ABOVE CEILING WHERE NECESSARY TO ISOLATE EACH TOILET ROOM INDEPENDENTLY FOR FUTURE REPAIRS OR MAINTENANCE - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN.
- H. PLUMBING PIPING SHALL BE ACCESSIBLE WHERE POSSIBLE AND INSTALLED SO THAT NORMAL THERMAL EXPANSION OR CONTRACTION DOES NOT AFFECT THE PERFORMANCE OF THE SYSTEM - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS REQUIRE EXPANSION OR CONTRACTION MEASURES BEYOND THAT SHOWN IN THESE DRAWINGS.
- I. DOMESTIC HOT AND COLD WATER SUPPLY AND/OR RETURN/RECIRC. PIPING SHALL BE INSULATED AS REQUIRED AND AS SPECIFIED AND SHALL INCLUDE BRANCH SHUT-OFF VALVES AS SHOWN - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS CREATE THE NEED FOR ADDITIONAL VALVES BEYOND THAT SHOWN IN THESE DRAWINGS.
- J. PROVIDE AS-BUILT DRAWINGS THAT INCLUDE FINAL LAYOUTS, DETAILS OF ALL CONNECTION POINTS, AND OTHER PERTINENT DATA. FIELD APPLIED IDENTIFICATION TAGS AND NAMEPLATES MUST MATCH AS-BUILT DRAWINGS.
- K. REFER TO CORRESPONDING RISER DIAGRAM DRAWINGS FOR ADDITIONAL PIPE SIZE INFORMATION AND ISOMETRIC VIEWS OF GENERAL PIPING ARRANGEMENTS.

KEYNOTES:

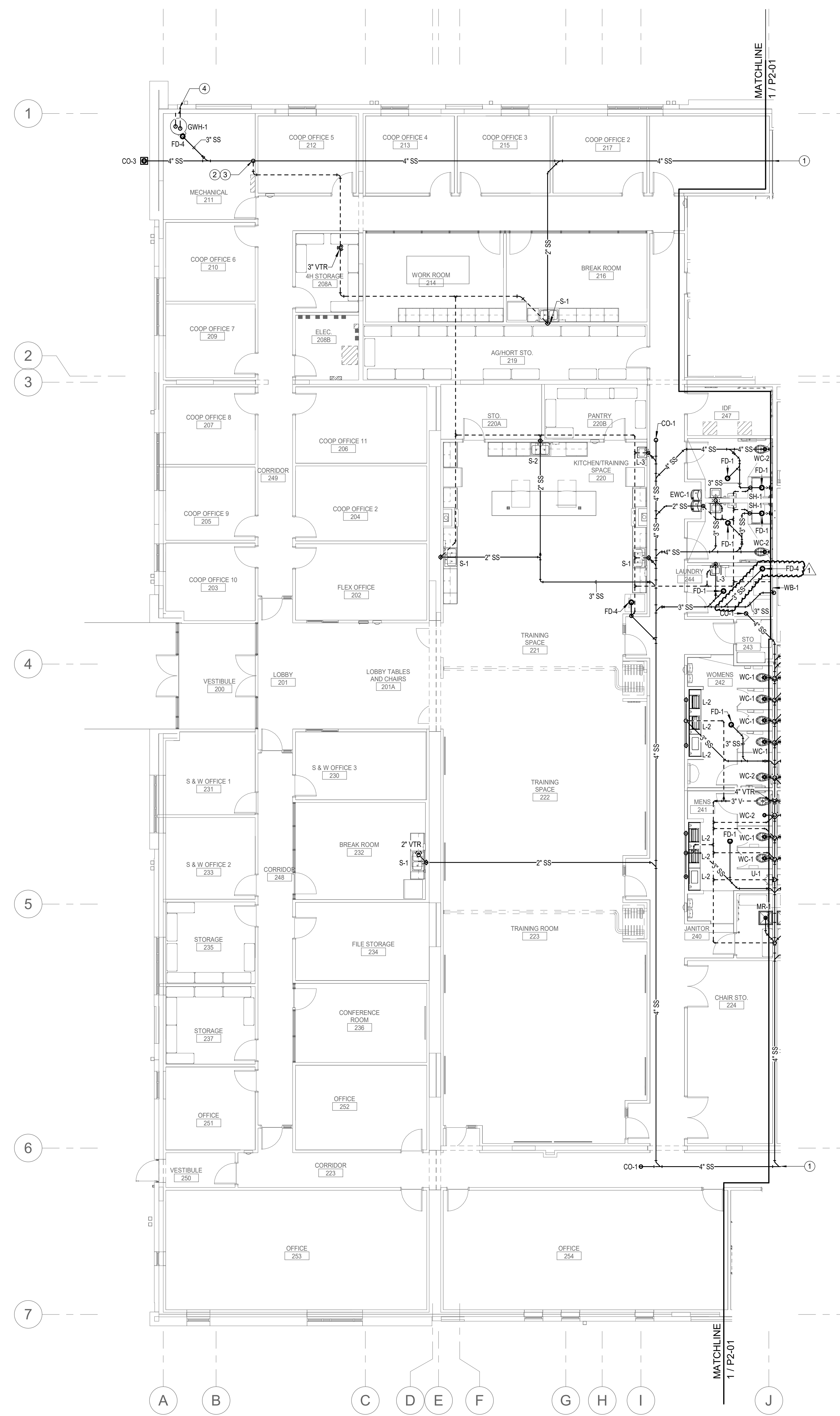
1. SEE SHEET P2-02 FOR CONTINUATION.
2. PROVIDE MATERIALS AND MAKE CONNECTION TO SANITARY SEWER PIPING PROVIDED BY SITE UTILITY CONTRACTOR.



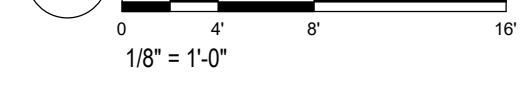
1 WASTE AND VENT PLAN - AREA A



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1 WASTE AND VENT NEW WORK PLAN - AREA B



GENERAL NOTES:

- A. ALL VENT PIPING SHALL BE 2" UNLESS NOTED OTHERWISE.
- B. ALL PIPING ROUTING AND HANGER AND SUPPORT INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO START OF WORK.
- C. ALL BELOW SLAB WASTE PIPING AND INVERTS SHALL BE COORDINATED WITH CIVIL DRAWINGS AND STRUCTURAL CONCRETE FOUNDATIONS AND FOOTINGS PRIOR TO THE START OF WORK.
- D. COORDINATE INSTALLATION OF ROUGH-INS AND FIXTURES WITH CASEWORK/MILLWORK SHOWN IN THE ARCHITECTURE DRAWINGS AND FIELD VERIFY LAYOUT WITH ACCESSIBILITY REQUIREMENTS PRIOR TO START OF WORK AND AFTER ROUGH-IN.
- E. PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED SO THAT NO PIPING IS SUBJECT TO BENDING AND/OR DEFLECTION.
- F. PROVIDE NEW WATER HAMMER ARRESTORS ON COLD WATER PIPING JUST UPSTREAM OF THE LAST FLUSH VALVE FIXTURE FOR EACH COLD WATER BRANCH SERVING FLUSH VALVE FIXTURES - SIZED AS NEEDED ACCORDING TO SCHEDULE ON SHEET P701 AND ACCESSIBLE FOR FUTURE REPLACEMENT - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN AND/OR ELEVATIONS.
- G. PROVIDE FULL-PORT TWO-PIECE ALL BRONZE BALL VALVES ON DOMESTIC HOT AND COLD WATER PIPING ABOVE CEILING WHERE NECESSARY TO ISOLATE EACH TOILET ROOM INDEPENDENTLY FOR FUTURE REPAIRS OR MAINTENANCE - COORDINATE NECESSARY ACCESS PANELS WITH ARCHITECT'S REFLECTED CEILING PLAN.
- H. PLUMBING PIPING SHALL BE ACCESSIBLE WHERE POSSIBLE AND INSTALLED SO THAT NORMAL THERMAL EXPANSION OR CONTRACTION DOES NOT AFFECT THE PERFORMANCE OF THE SYSTEM - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS REQUIRE EXPANSION OR CONTRACTION MEASURES BEYOND THAT SHOWN IN THESE DRAWINGS.
- I. DOMESTIC HOT AND COLD WATER SUPPLY AND/OR RETURN/RECIRC. PIPING SHALL BE INSULATED AS REQUIRED AND AS SPECIFIED AND SHALL INCLUDE BRANCH SHUT-OFF VALVES AS SHOWN - PLUMBING CONTRACTOR TO INFORM PLUMBING DESIGNER IF CONDITIONS CREATE THE NEED FOR ADDITIONAL VALVES BEYOND THAT SHOWN IN THESE DRAWINGS.
- J. PROVIDE AS-BUILT DRAWINGS THAT INCLUDE FINAL LAYOUTS, DETAILS OF ALL CONNECTION POINTS, AND OTHER PERTINENT DATA. FIELD APPLIED IDENTIFICATION TAGS AND NAMEPLATES MUST MATCH AS-BUILT DRAWINGS.
- K. REFER TO CORRESPONDING RISER DIAGRAM DRAWINGS FOR ADDITIONAL PIPE SIZE INFORMATION AND ISOMETRIC VIEWS OF GENERAL PIPING ARRANGEMENTS.

KEYNOTES:

- 1. SEE SHEET P2-01 FOR CONTINUATION.
- 2. 2" VENT PIPING UP.
- 3. COORDINATE PIPE ROUTING IN THIS AREA PRIOR TO START OF WORK - PIPING RISE AND DROP LOCATIONS SHALL BE COORDINATED WITH MECHANICAL SUBCONTRACTOR WORKING IN SAME AREA.
- 4. REFER TO DETAIL 6 ON SHEET P601 FOR INSTRUCTIONS CORRESPONDING TO THE INSTALLATION OF THE CONCENTRIC VENT FOR THE GAS WATER HEATER.

**Onslow County Senior Service Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540**

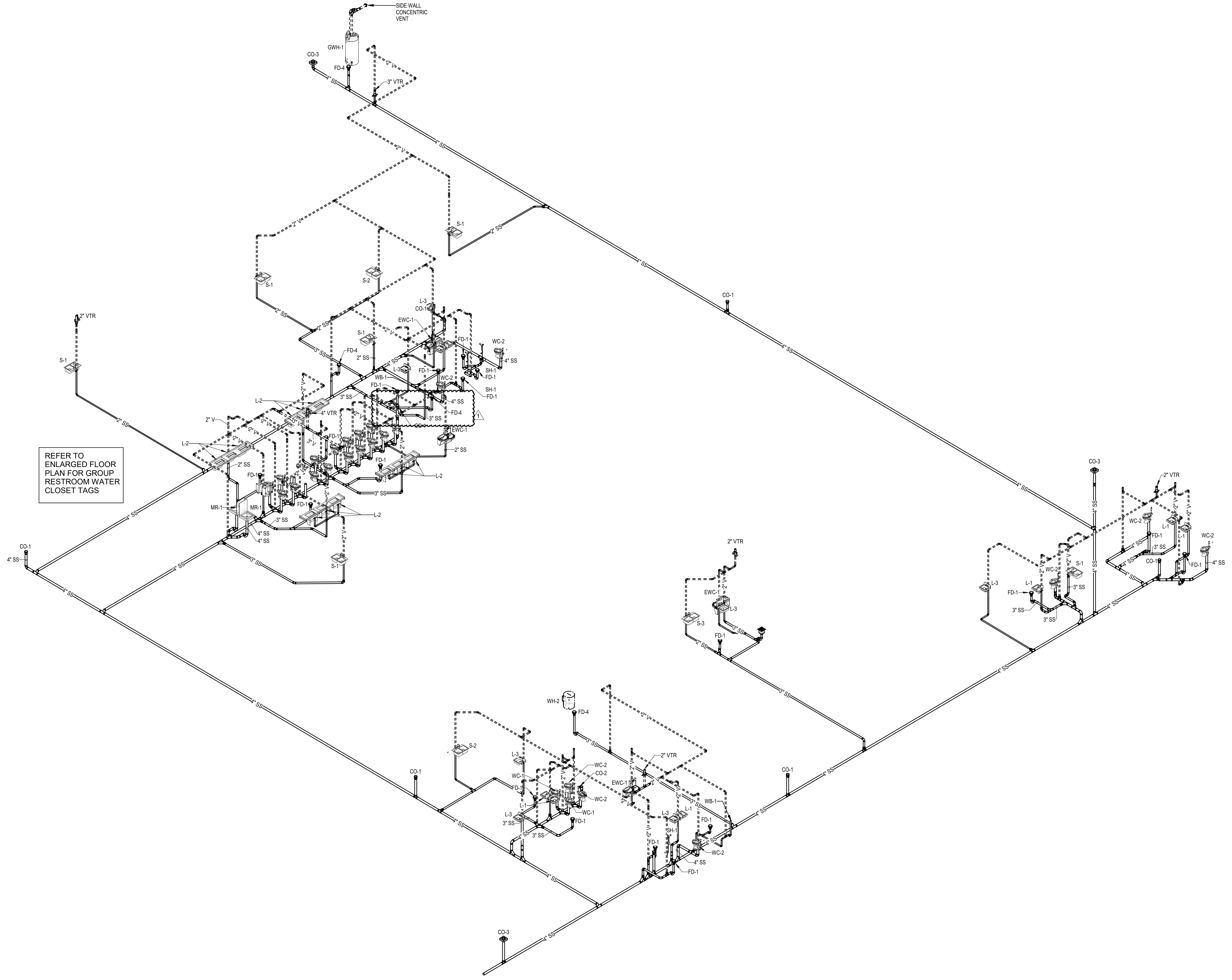
ID	DATE	DESCRIPTION
1	11/5/2024	ADDENDUM 1

DRAWN BY: JGG
CHECKED BY: SWC

**WASTE AND VENT
PLAN - AREA B**

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THIS DRAWING IS FORMATTED TO BE PRINTED ON A 36" X 48" SHEET



1 WASTE AND VENT RISER DIAGRAM
NOT TO SCALE

Onslow County Senior Service Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

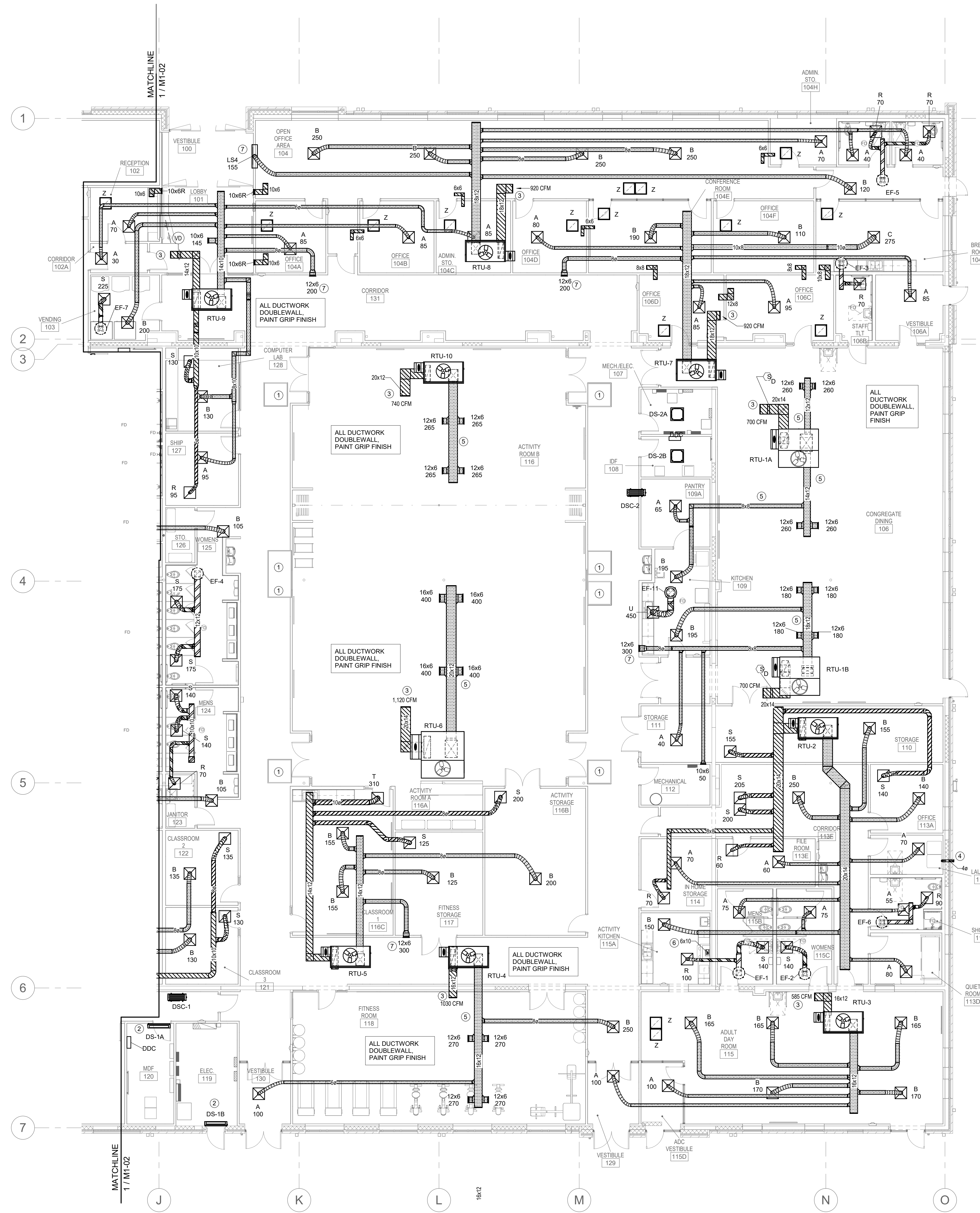
ID	DATE	DESCRIPTION
1	11/05/2024	ADDENDUM 1

DRAWN BY: JGG
CHECKED BY: SWC

WASTE & VENT
RISER

2021029 16 OCT. 2024

P4-01



GENERAL NOTES:

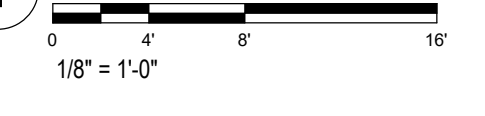
- A. PROVIDE BALANCING DAMPERS ON ALL LOW PRESSURE SUPPLY, RETURN, AND EXHAUST BRANCH DUCTS AND RUNOUTS. ALL BALANCING DAMPERS SHALL BE IDENTIFIED AND EASILY ACCESSIBLE.
- B. ALL DUCT DIMENSIONS ARE INSIDE CLEAR.
- C. ABOVE HARD CEILINGS, PROVIDE BALANCING DAMPER IN GALVANIZED STEEL DUCT WITH 30" OF DIFFUSER/GRILLE. PROVIDE ACCESSORY ALUMINUM MOUNT FRAME/PLASTER FRAME FOR HARD CEILING THAT ALLOWS DIFFUSER WITH FLEX CONNECTION TO BE LIFTED OUT OF FRAME TO ACCESS CEILING SPACE.
- D. BRANCH RUNOUTS TO DIFFUSERS SHALL BE THE SIZE LISTED ON THE AIR TERMINAL SCHEDULE, UNLESS NOTED OTHERWISE.
- E. ALL DUCTWORK INSTALLED EXPOSED TO VIEW SHALL HAVE PAINT GRIP FINISH, COORDINATE PAINTING OF ALL EXPOSED DUCTWORK WITH ARCHITECTURE FINISH DRAWINGS AND SCHEDULES.

KEYNOTES:

- 1. SKYLIGHT
- 2. UNIT TO BE LOCATED ABOVE DOOR.
- 3. COVER DUCT WITH MESH HARDWARE CLOTH.
- 4. PROVIDE DRYER VENT BOX AND EXTEND 4" DRYER VENT THROUGH WALL. TERMINATE WITH CAP.
- 5. ALL DUCTWORK THIS ROOM SHALL BE DOUBLE-WALL CONSTRUCTION WITH PAINT GRIP FINISH.
- 6. PROVIDE VENT FOR HOOD. TERMINATE THROUGH ROOF WITH WALL PENETROUSE OR EQUIVALENT AND BACKDRAFT DAMPER.
- 7. HEIGHT OF WALL DIFFUSER TO BE COORDINATED WITH ARCHITECT.

NOTE: UNLESS INDICATED OTHERWISE, IT IS INTENDED TO RUN ALL DUCTWORK ABOVE THE JOISTS. ALL RUNOUTS TO DIFFUSERS ARE TO BE RUN THROUGH THE JOIST WEBBING.

1 DUCTWORK PLAN - AREA A

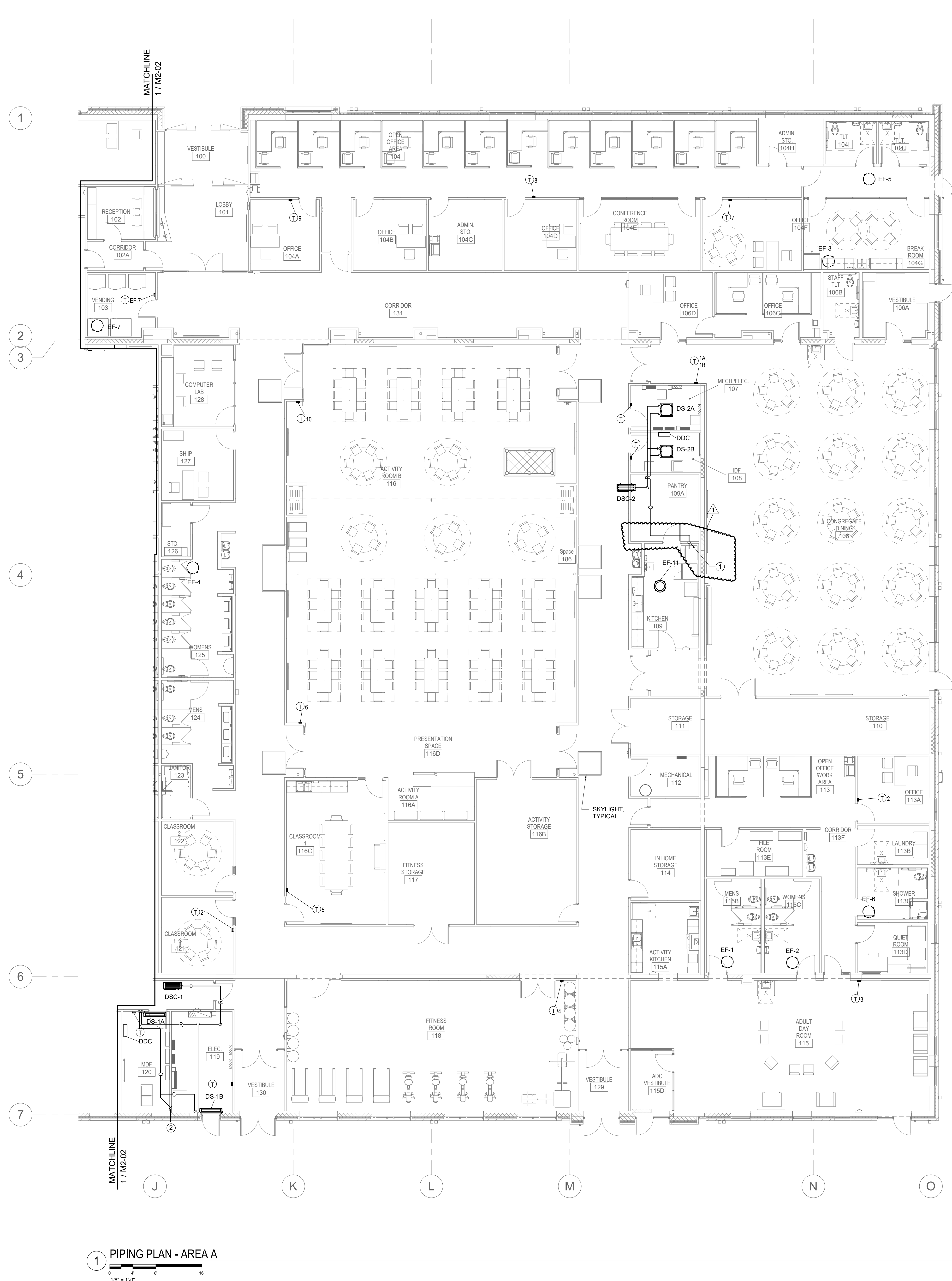


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Onslow County Senior Service Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION
1	11/5/2024	ADDENDUM 1

DRAWN BY: JAV
CHECKED BY: SWC
DUCTWORK PLAN - AREA A



GENERAL NOTES:

- A. MECHANICAL AND BAS CONTRACTORS SHALL REVIEW THE FINAL CASEWORK AND FFE DRAWINGS AND IDENTIFY POTENTIAL CONFLICTS WITH THERMOSTAT AND SENSORS PRIOR TO ROUGH-IN. NOTIFY ARCHITECT AND ENGINEER OF CONFLICTS AND DISCREPANCIES.
- B. ALL THERMOSTATS, SENSORS, AND USER CONTROLS SHALL BE MOUNTED AT 48" DEVICES SHALL BE ALIGNED EXACTLY WITH ADJACENT DEVICES OF OTHER TRADES (LIGHT SWITCHES, OCC SENSORS, ETC.)

KEYNOTES:

1. TERMINATE CONDENSATE AT FLOOR SINK REFER TO PLUMBING DRAWINGS FOR LOCATION.
2. EXTEND CONDENSATE THROUGH WALL LOW AND TERMINATE AT RIVER ROCK.

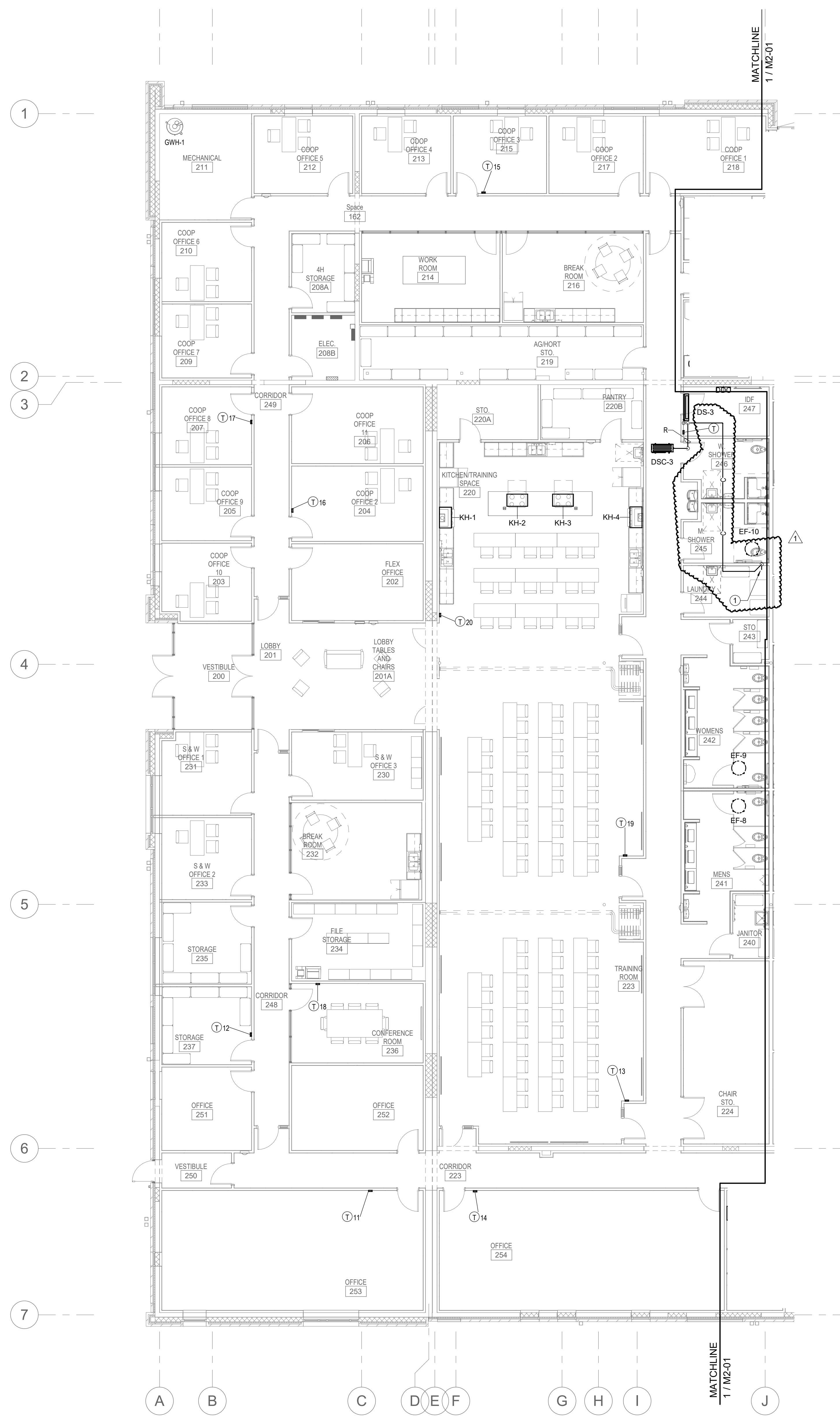
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THIS DRAWING IS CONSIDERED TO BE PRINTED ON A 32" X 42" SHEET

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Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION
1	11/5/2024	ADDENDUM 1

DRAWN BY: JAV
CHECKED BY: SWC
PIPING PLAN - AREA A



GENERAL NOTES:

- A. MECHANICAL AND BAS CONTRACTORS SHALL REVIEW THE FINAL CASEWORK AND FFE DRAWINGS AND IDENTIFY POTENTIAL CONFLICTS WITH THERMOSTAT AND SENSORS PRIOR TO ROUGH-IN. NOTIFY ARCHITECT AND ENGINEER OF CONFLICTS AND DISCREPANCIES.
- B. ALL THERMOSTATS, SENSORS, AND USER CONTROLS SHALL BE MOUNTED AT 48". DEVICES SHALL BE ALIGNED EXACTLY WITH ADJACENT DEVICES OF OTHER TRADES (LIGHT SWITCHES, OCC SENSORS, ETC.)

KEYNOTES:

- 1. EXTEND CONDENSATE TO HUB DRAIN. REFER TO PLUMBING DRAWINGS FOR LOCATION.

1 PIPING PLAN - AREA B
1/8" = 1'-0"

Onslow County Senior Service Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION
1	11/5/2024	ADDENDUM 1

DRAWN BY: JAV
CHECKED BY: SWC

PIPING PLAN - AREA B



ADDENDUM 01 – ELECTRICAL

DATE: November 5, 2024

PROJECT: Onslow County Senior Services Center Renovation
PDC Project No. 22074

This Addendum, applicable to the work designed below, shall be understood to be and is a change to the bid documents and shall be part of and included in the contract for the above referenced project. All General, Supplementary and Special Conditions, etc., as originally specified or as modified below shall apply to these items.

Changes to Electrical Drawings:

1. Drawing E1-01
 - a. Added: Undercounter light fixtures at Room 115A.
 - b. Revised: Light switch locations at various areas to avoid interferences. Shifted light fixture continuous linear run at corridor.
2. Drawing E1-02
 - a. Revised: Lighting layout at rooms 200 and 201A.
 - b. Added: Cove Lighting Fixture Types CL2, CL3, CL4 and CL8.
3. Drawing E2-01
 - a. Revised: Generator Annunciator Panel (GAP) location from Room 101 to 100. Relocated MTS (base bid) / ATS(Alternate#2) to building. Revised: Keynote 9 to clarify contractor to provide support rack to mount equipment.
 - b. Added: Floor box Room 115 and associated power and communications conduits / wiring.
 - c. Deleted: AV Wall box and Overhead Projector outlets Room 115.
4. Drawing E2-02
 - a. Added: Floor box at Room 214 and associate power and communication conduits and wiring.
5. Drawing E3-01
 - a. Deleted: AV Wall box and Overhead Projector and associated Data and HDMI cabling at Room 115.
 - b. Added: Floor box and associated Data and HDMI cabling at Room 115.
 - c. Revised: CAT 6 / HDMI Drop Schedule.
6. Drawing E4-01
 - a. Relocated camera on exterior of building.
 - b. Relocated fire alarm ceiling devices to wall devices at rooms 100 and 101.
7. Drawing E4-02
 - a. Relocated camera on exterior of building.
 - b. Relocated fire alarm ceiling devices to wall devices at rooms 200 and 201A.



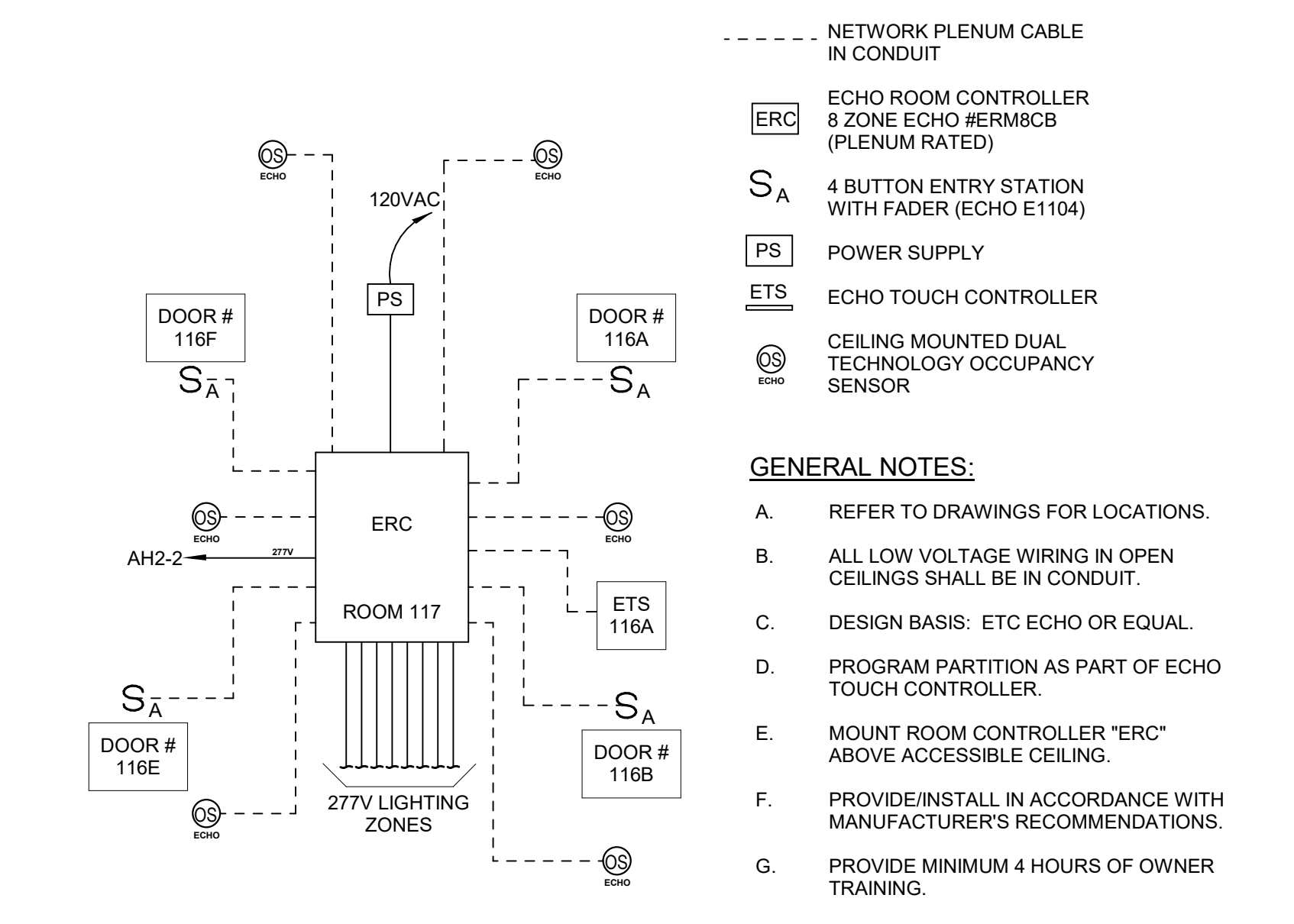
8. Drawing E6-01
 - a. Revised Panel Schedules MDP, AL4.
9. Drawing E6-02
 - a. Revised Panel Schedule CL2.
10. Drawing E6-03
 - a. Added: Light Fixture Types CL2, CL3, CL4 and CL8.
 - b. Revised: Light Fixture Type UC3.
11. Drawing E7-01
 - a. Revised Domestic and Fireline Hotbox locations and associated power and fire alarm conduit, wiring and devices to match civil drawings.

END OF ADDENDUM 01 – ELECTRICAL

Attachments: Drawings: (As indicated above)

1	11/5/2024	ADDENDUM 1
ID	DATE	DESCRIPTION

DRAWN BY: JPT
CHECKED BY: JTB
LIGHTING PLAN - AREA A

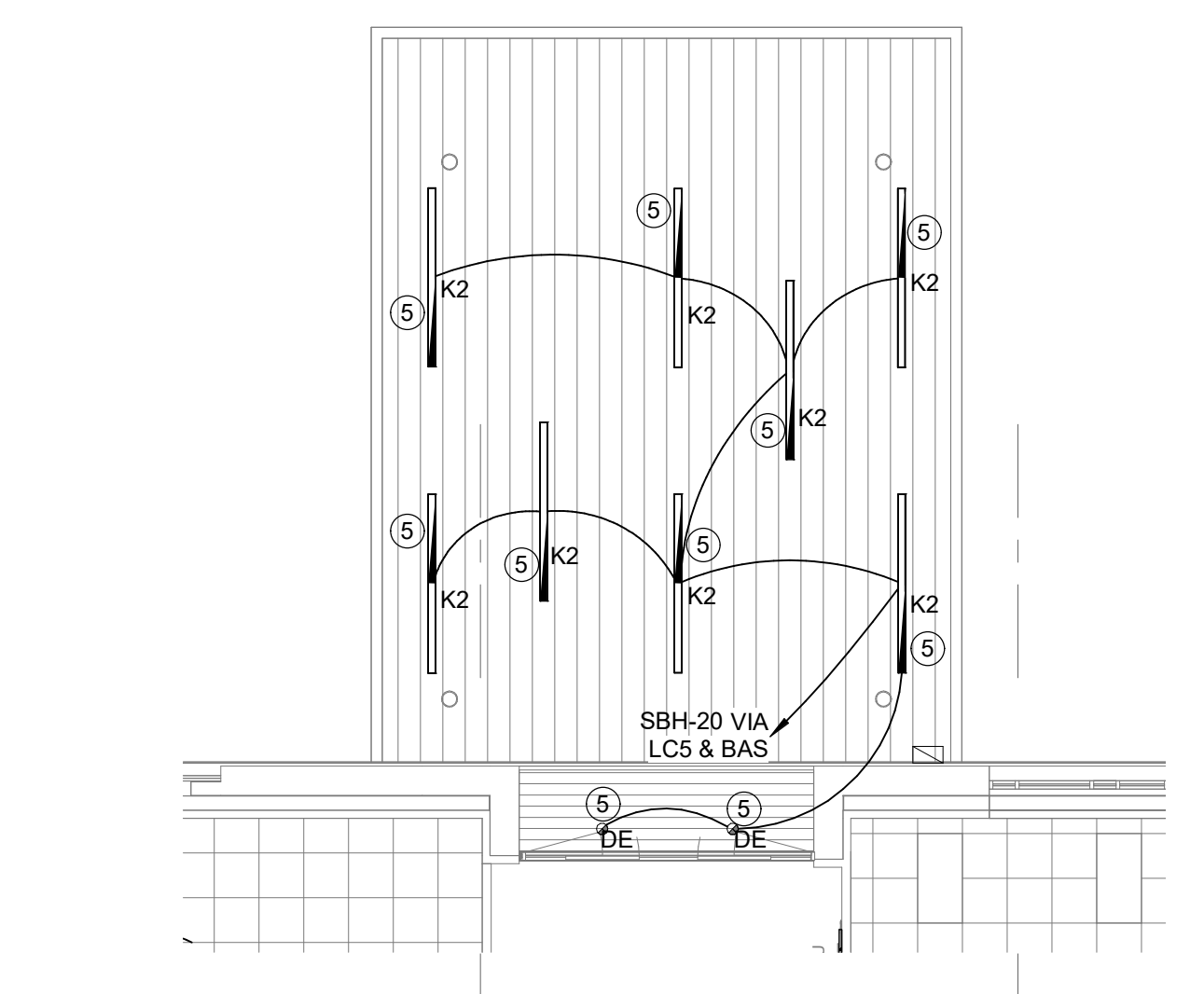
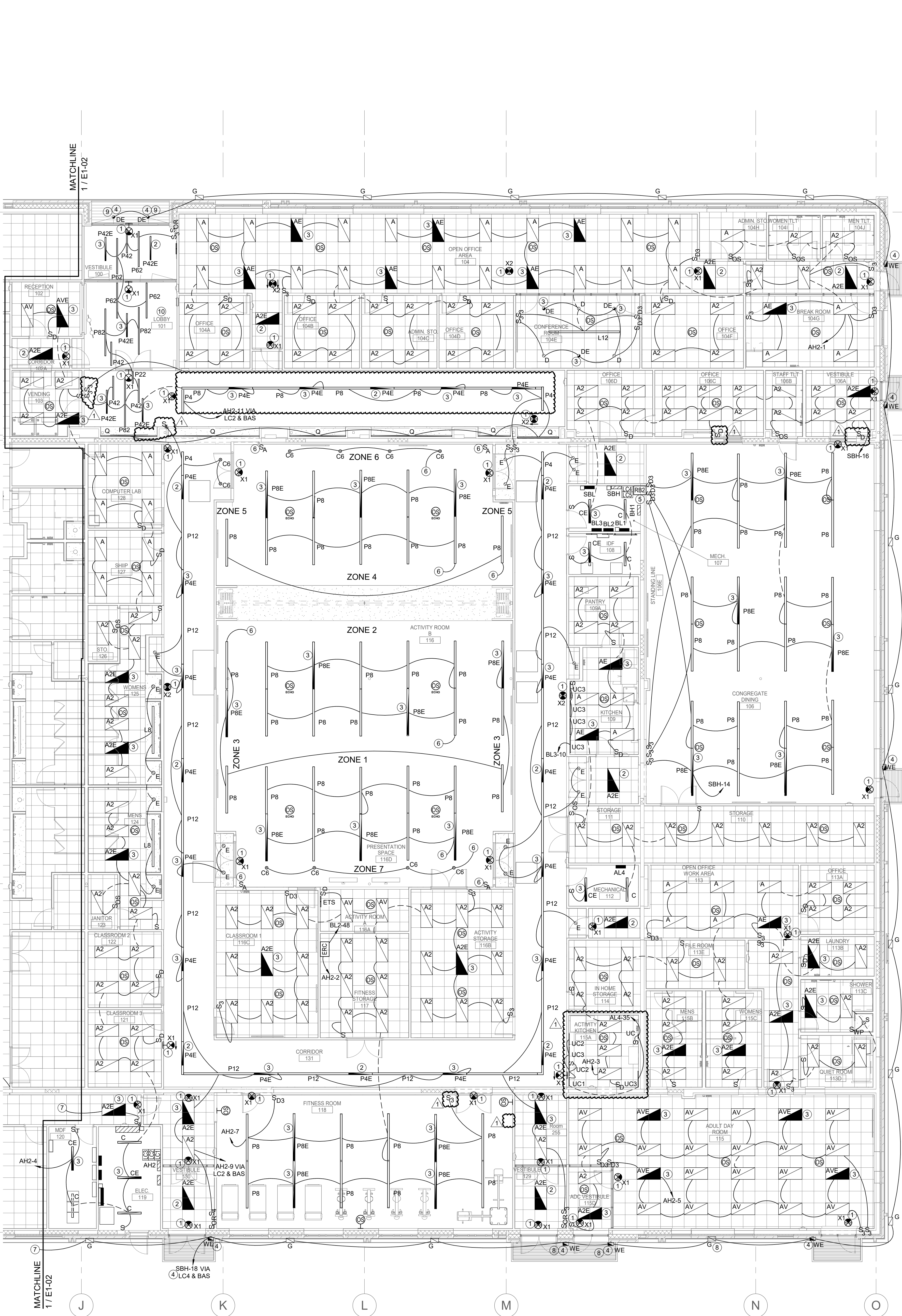


ACTIVITY ROOM 116 LIGHTING CONTROL - ELECTRONIC THEATER CONTROLS (ETC) ECHO OR EQUAL
2 ACTIVITY ROOM 116 LIGHTING CONTROL
NOT TO SCALE

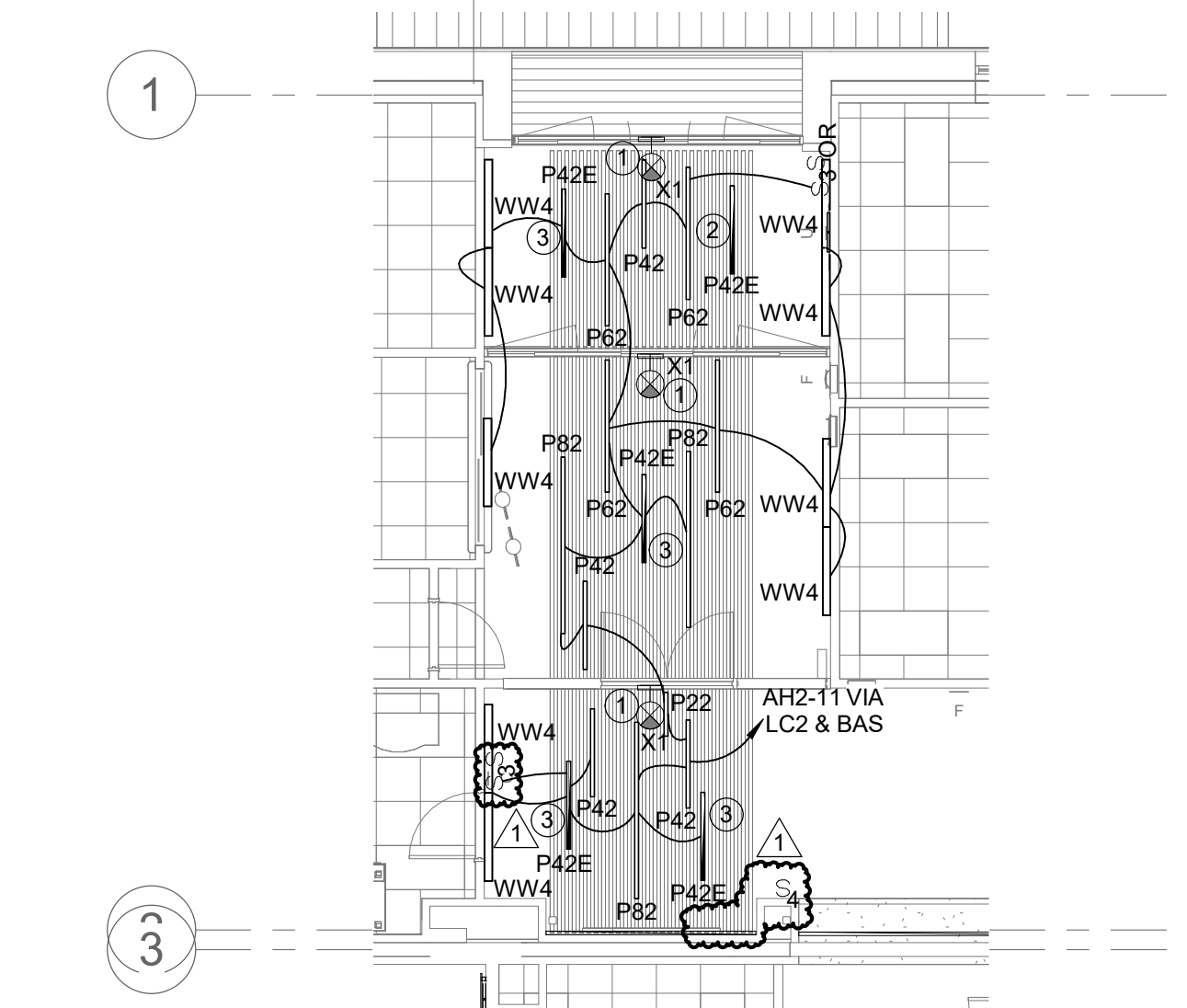
GENERAL NOTES:
A. REFER TO SHEET E0-01 FOR NOTES, SYMBOL LEGEND AND ABBREVIATIONS.

- KEYNOTES:
- EMERGENCY LIGHTS - WIRE AHEAD OF SWITCHES AND/OR BAS.
 - NIGHT LIGHT/EMERGENCY LIGHT - WIRE AHEAD OF SWITCHES AND/OR BAS.
 - EMERGENCY FIXTURE - WIRE SO FIXTURE TURNS OFF WITH OTHER FIXTURES IN ROOM, BUT MAINTAINS BATTERY CHARGE. FIXTURE SHALL ILLUMINATE UPON LOSS OF NORMAL POWER.
 - EXTERIOR EMERGENCY FIXTURE - WIRE SO FIXTURE TURNS OFF WITH OTHER EXTERIOR FIXTURES, BUT MAINTAINS BATTERY CHARGE. FIXTURE SHALL ILLUMINATE UPON LOSS OF NORMAL POWER.
 - AS PART OF ALTERNATES #3, #4 AND #5, PROVIDE REMOTE EMERGENCY LIGHTING INVERTER RB2, FOR EXTERIOR EMERGENCY CANOPY FIXTURES, IN MECHANICAL/ELECTRICAL 107. FIXTURES SHALL BE WIRED SO THEY TURN OFF VIA BAS, BUT UPON LOSS OF NORMAL POWER, FIXTURES SHALL ILLUMINATE VIA INVERTER.
 - REFER TO LIGHTING CONTROL RISER DETAIL 2 ON THIS DRAWING.
 - CONTINUED ON DRAWING E1-02.
 - IF ALTERNATE #4 IS ACCEPTED, DO NOT INSTALL FIXTURES INDICATED AND REFER TO DETAIL 5 ON THIS DRAWING FOR LIGHTING LAYOUT.
 - IF ALTERNATE #3 IS ACCEPTED, REFER TO DETAIL 3 ON THIS DRAWING FOR CIRCUITING THE (2) TYPE D FIXTURES. THESE FIXTURES ARE TYPE DE IN BASE BID.
 - IF ALTERNATE #6C IS ACCEPTED, REFER TO DETAIL 4 ON THIS DRAWING FOR LIGHTING IN LOBBY 101.

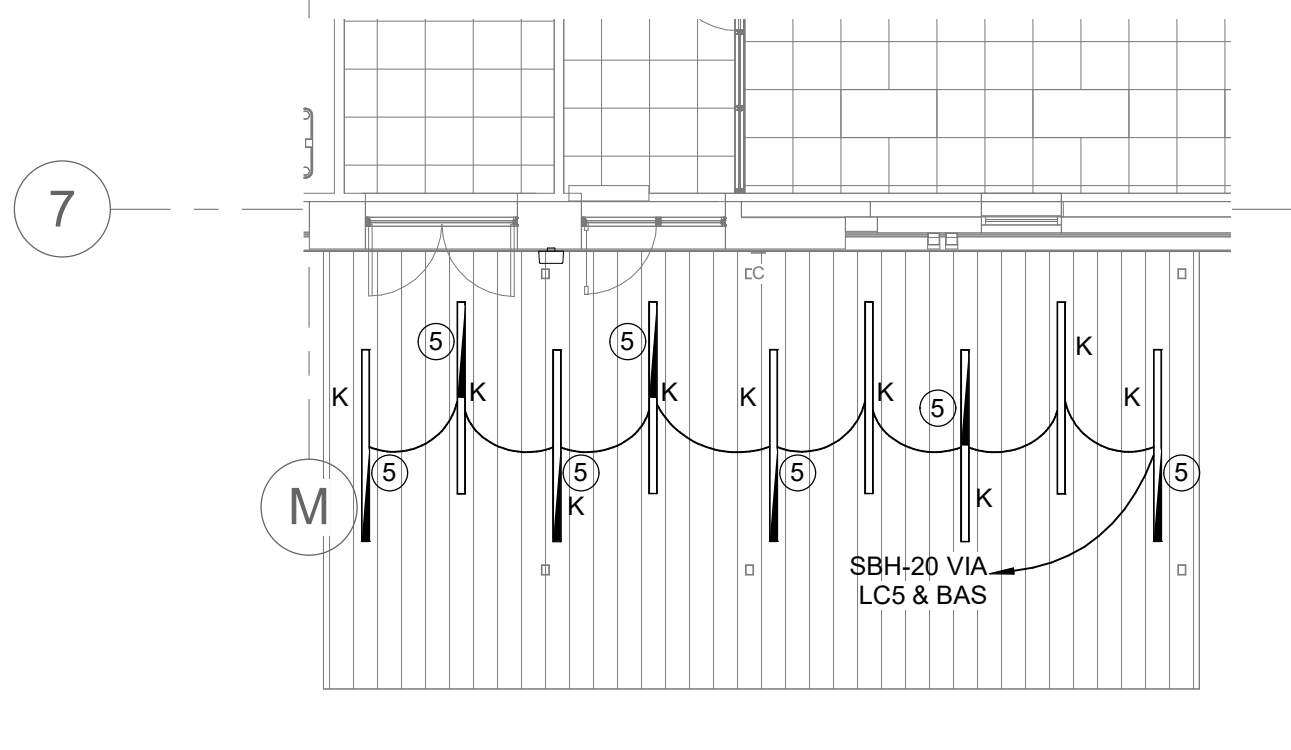
NATURAL GAS GEN-SET IS PART OF ALTERNATE #2



3 ALTERNATE 3 - MAIN ENTRANCE CANOPY LIGHTING
1/8" = 1'-0"



4 ALTERNATE 6c - LOBBY 101 LIGHTING
1/8" = 1'-0"



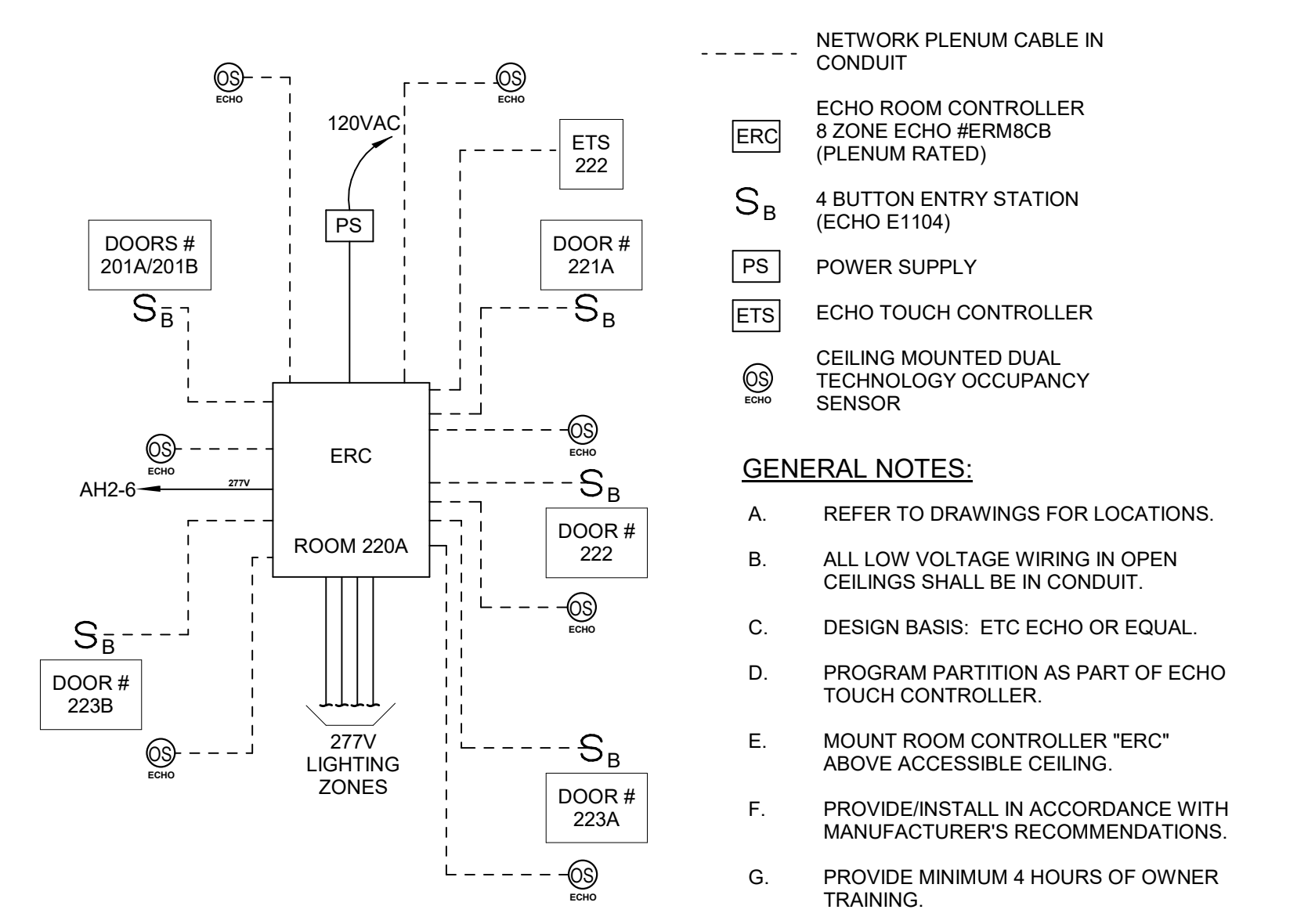
5 ALTERNATE 4 - ADC CANOPY LIGHTING
1/8" = 1'-0"

1 FIRST FLOOR LIGHTING PLANS - AREA A
1/8" = 1'-0"

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ID	DATE	ADDENDUM	DESCRIPTION
1	11/5/2024	ADDENDUM 1	

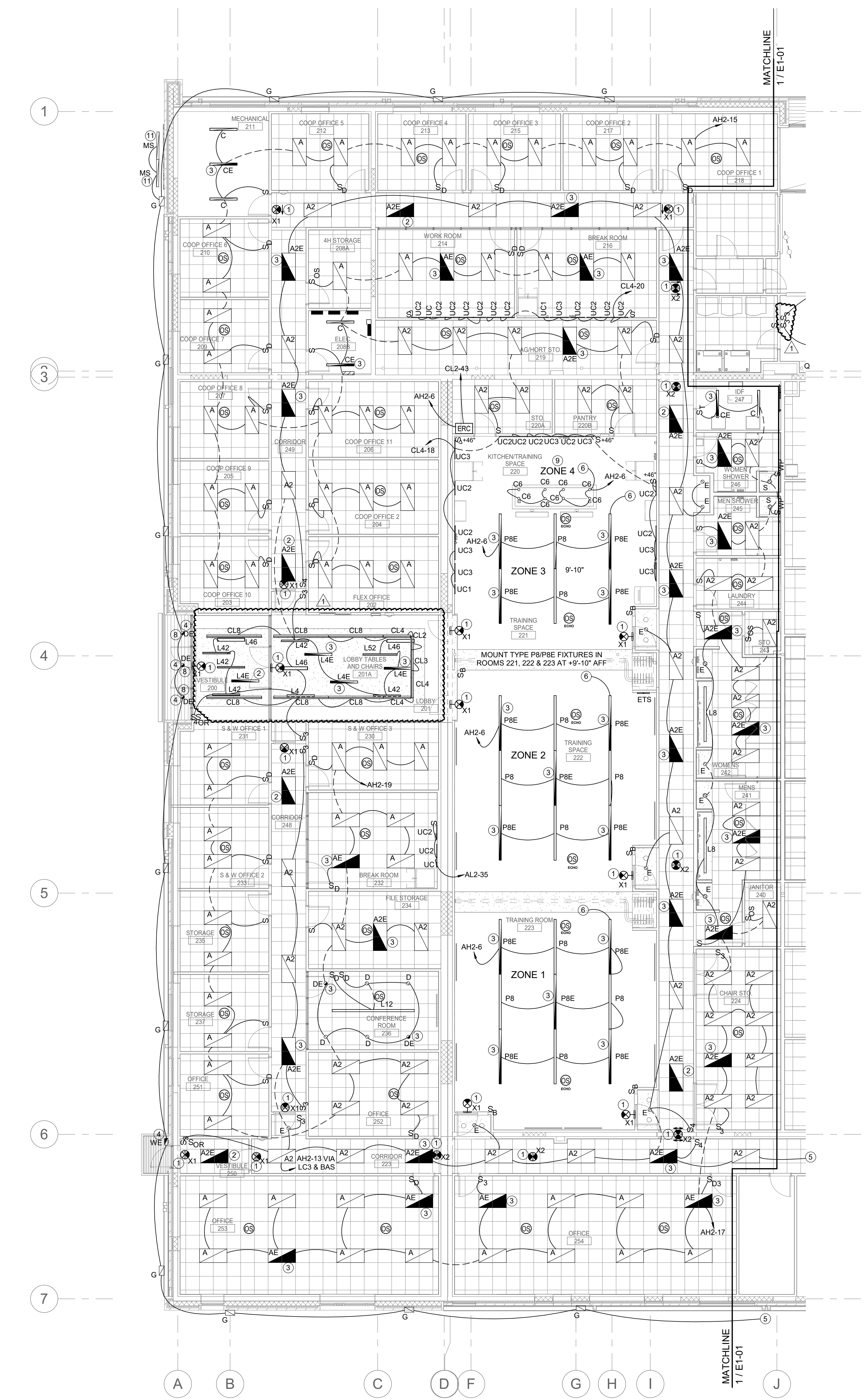
DRAWN BY: JPT
CHECKED BY: JTB
LIGHTING PLAN - AREA B



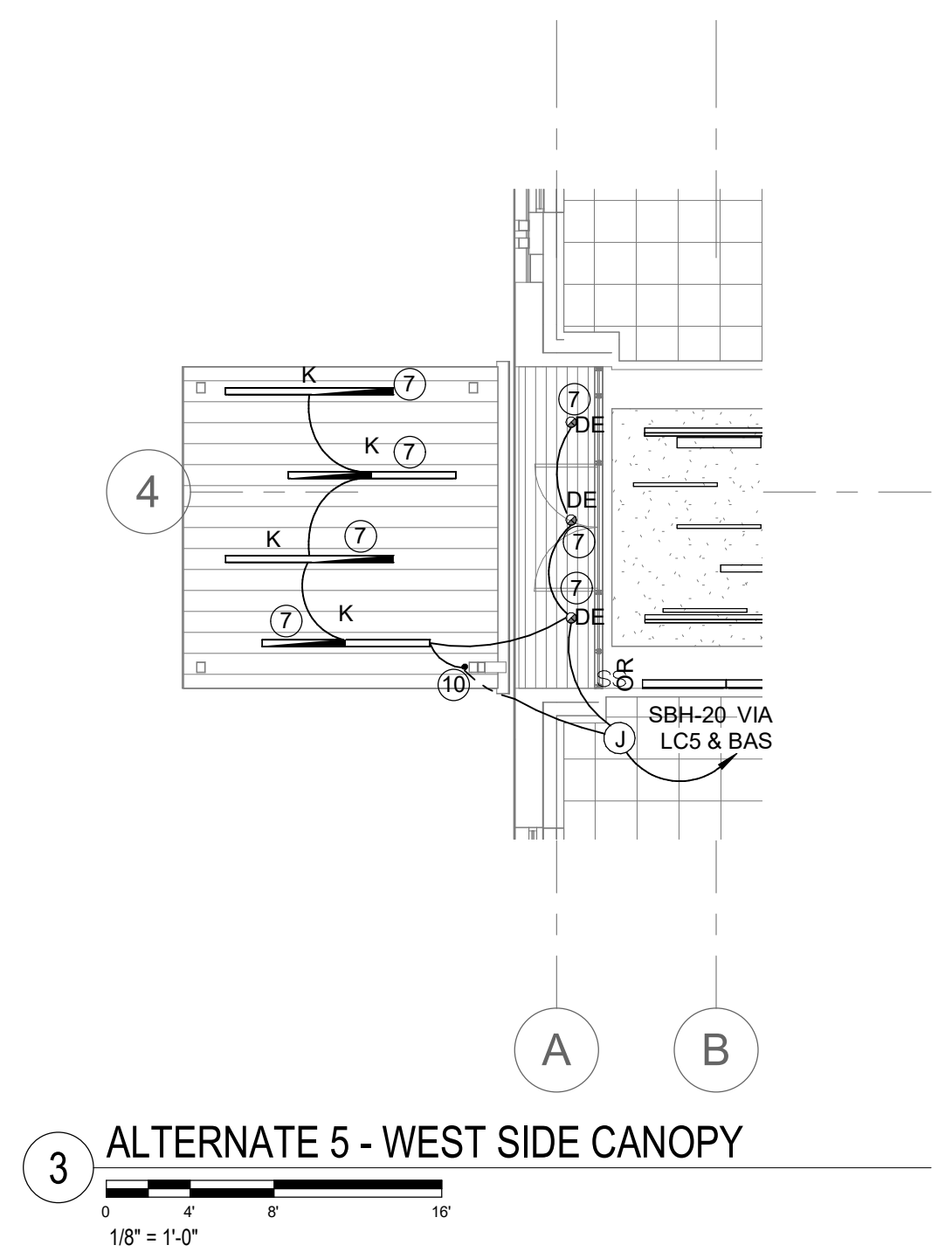
TRAINING ROOMS 220-223 LIGHTING CONTROL - ELECTRONIC THEATER CONTROLS (ETC) ECHO OR EQUAL
2 TRAINING ROOMS 220-223 LIGHTING CONTROL
NOT TO SCALE

GENERAL NOTES:
A. REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.

- KEYNOTES:**
- EMERGENCY LIGHTS - WIRE AHEAD OF SWITCHES AND/OR BAS.
 - NIGHT LIGHT/EMERGENCY LIGHT - WIRE AHEAD OF SWITCHES AND/OR BAS.
 - EMERGENCY FIXTURE - WIRE SO FIXTURE TURNS ON/OFF WITH OTHER FIXTURES IN ROOM, BUT MAINTAINS BATTERY CHARGE. FIXTURE SHALL ILLUMINATE UPON LOSS OF NORMAL POWER.
 - EXTERIOR EMERGENCY FIXTURE - WIRE SO FIXTURE TURNS ON/OFF WITH OTHER EXTERIOR FIXTURES, BUT MAINTAINS BATTERY CHARGE. FIXTURE SHALL ILLUMINATE UPON LOSS OF NORMAL POWER.
 - CONTINUED ON DRAWING E1-01.
 - REFER TO LIGHTING CONTROL RISER DETAIL 2 ON THIS DRAWING.
 - AS PART OF ALTERNATES #3, #4 AND #5 FOR EXTERIOR CANOPY LIGHTING, PROVIDE EMERGENCY LIGHTING INVERTER R82 LOCATED IN MECHANICAL/ELECTRICAL 107. WIRE FIXTURES SO THEY TURN ON/OFF WITH OTHER EXTERIOR FIXTURES THROUGH BAS, BUT MAINTAIN BATTERY CHARGE. UPON LOSS OF NORMAL POWER, FIXTURES SHALL ILLUMINATE.
 - IF ALTERNATE #5 IS ACCEPTED, REFER TO DETAIL 3 ON THIS DRAWING FOR CIRCUITING (3) TYPE D FIXTURES.
 - MOUNT TYPE C6 FIXTURES IN ZONE 4 SO THAT BOTTOM OF PENDANT LINES UP WITH BOTTOM OF RANGE HOOD. COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
 - CONDUIT TO SERVE CANOPY FIXTURES SHALL BE ROUTED UNDERLAB AND TURNED UP ON SIDE OF COLUMN. CONDUIT SHALL BE ROUTED UP COLUMN TO OVERHEAD FIXTURES. COORDINATE CLOSELY WITH ARCHITECT PRIOR TO ROUGH-IN.
 - GROUND FLOOD LIGHTS FOR BUILDING SIGNAGE SHALL BE COORDINATED WITH SIGN PLACEMENT PRIOR TO ROUGH-IN. SET BACK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

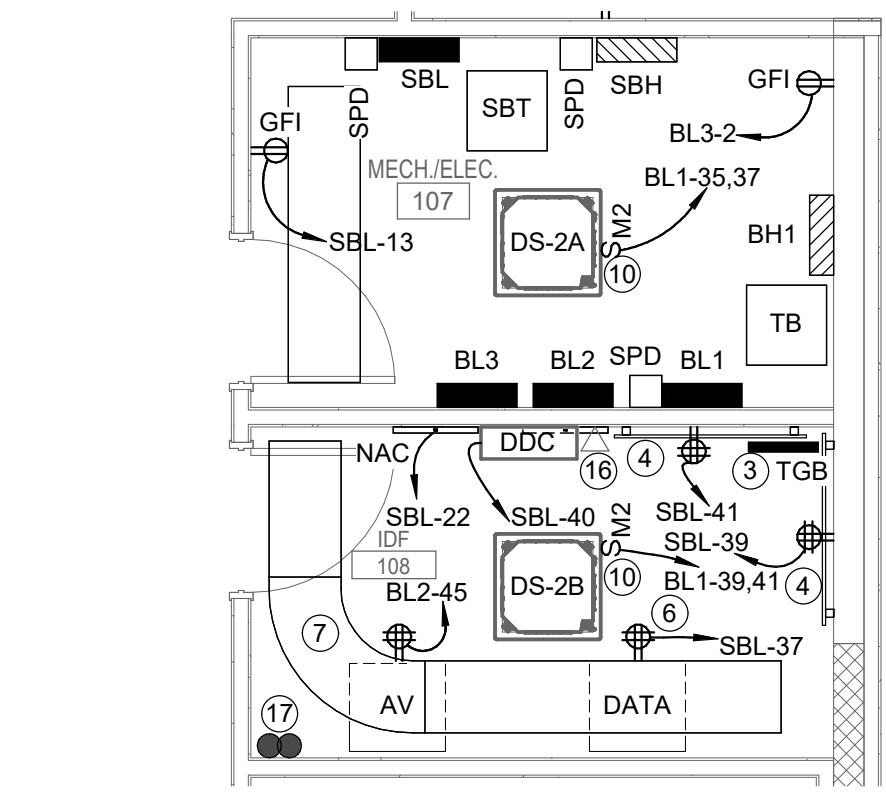
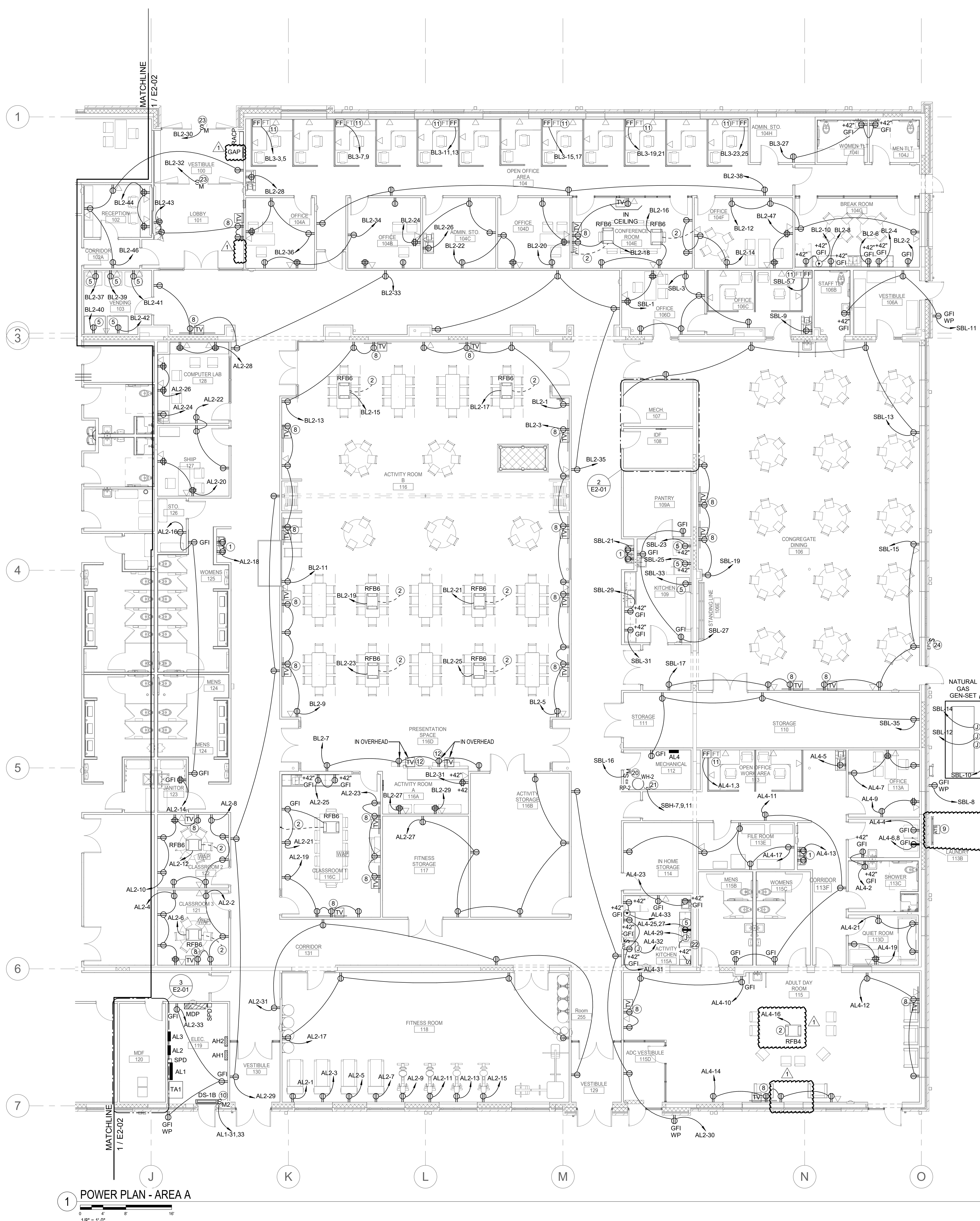


1 FIRST FLOOR LIGHTING PLANS - AREA B
1/8" = 1'-0"



3 ALTERNATE 5 - WEST SIDE CANOPY
1/8" = 1'-0"

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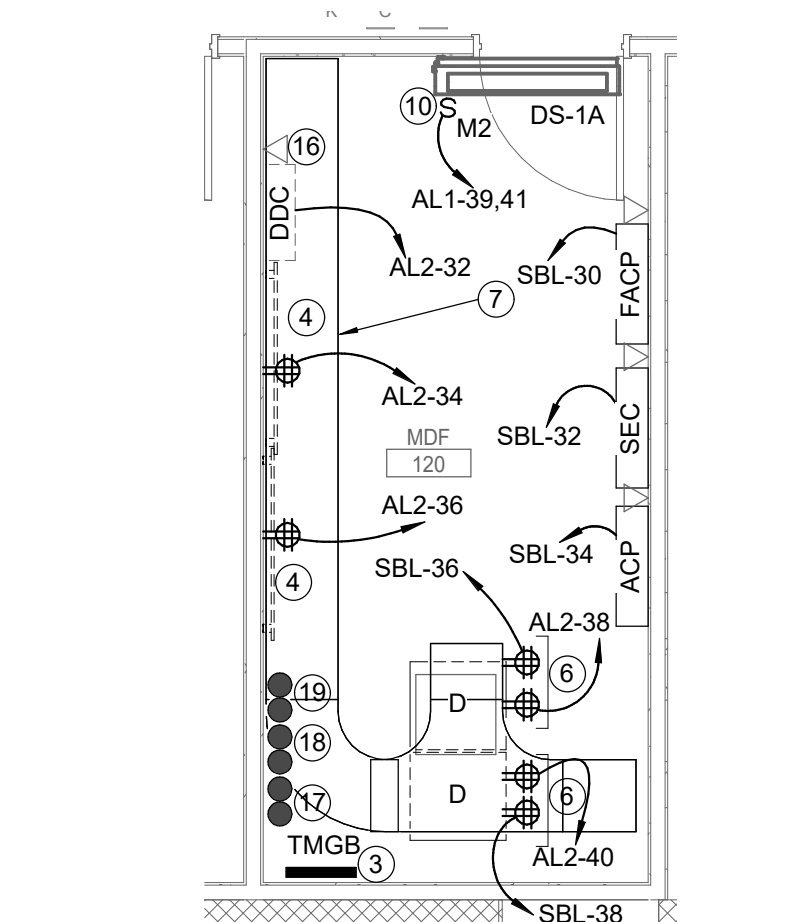


2 ENLARGED POWER PLAN - MECH/ELEC 107, IDF 108
1/4" = 1'-0"

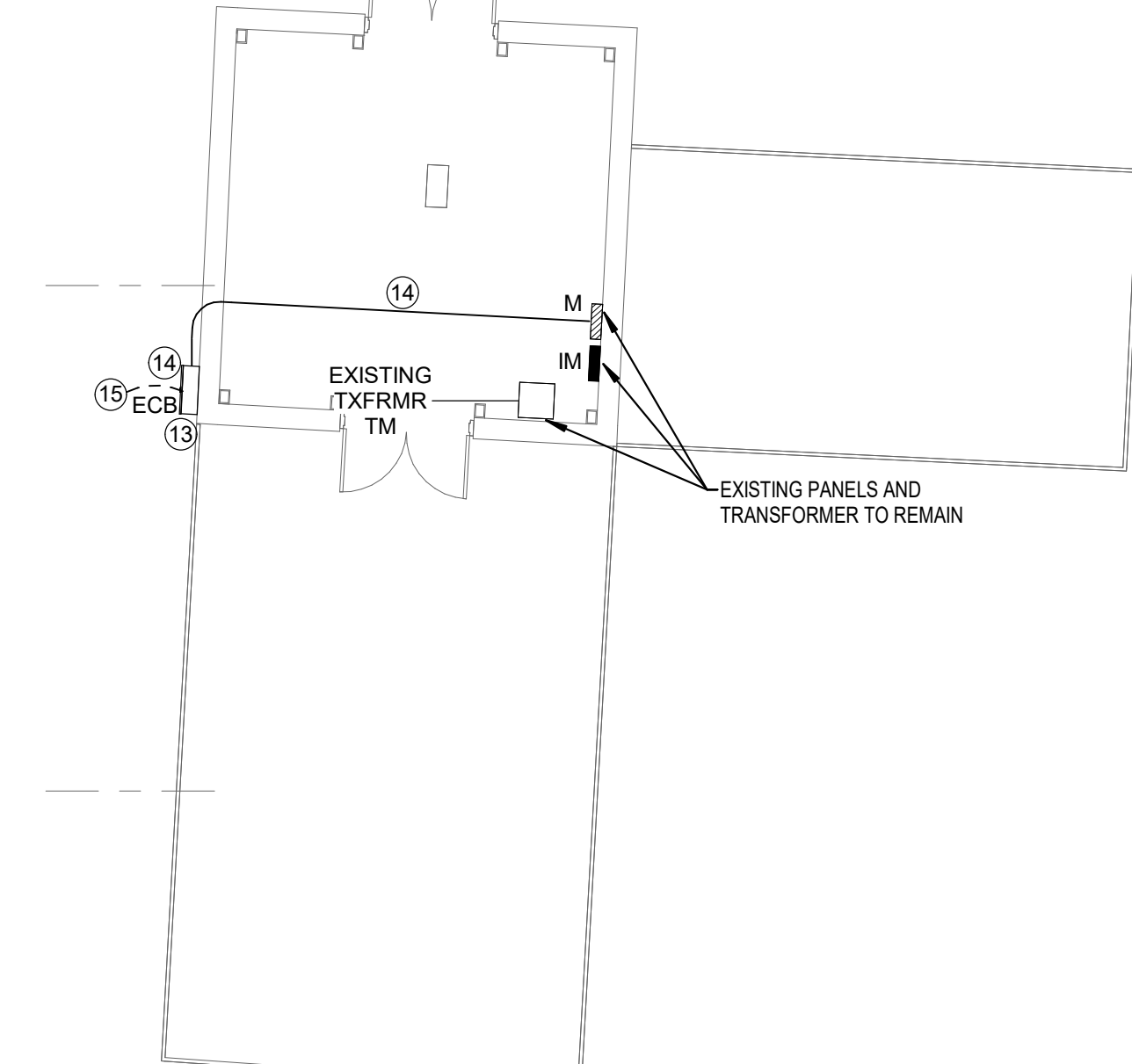
GENERAL NOTES:

- REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
- ALL 125V RECEPTACLES SHALL BE TAMPER RESISTANT.
- ALL COMMUNICATIONS LOW VOLTAGE CABLING IN AREAS WHERE CEILINGS ARE EXPOSED SHALL BE IN MINIMUM 3/4" CONDUIT. OTHERWISE, IF ROUTED ABOVE LAY-IN CEILINGS, WIRING CAN UTILIZE J-HOOK SUPPORTS LOCATED ON 3'-0" CENTERS. SIZE TO ACCOMMODATE QUANTITY OF CABLING.

- KEYNOTES:**
- COORDINATE LOCATION OF OUTLETS FOR WATER COOLER WITH PLUMBING CONTRACTOR, SO CORD DOES NOT SHOW. CIRCUIT IS GFCI PROTECTED AT PANEL.
 - 1 1/4" COMMUNICATIONS CONDUIT FROM FLOORBOX TO ABOVE NEAREST ACCESSIBLE CEILING. PROVIDE 3/4" CONDUIT FOR POWER FROM FLOORBOX TO RESPECTIVE PANEL CIRCUIT AS INDICATED.
 - TELECOMMUNICATIONS GROUND, REFER TO DETAIL E0-04/5.
 - 4"x8"x3/4" FIRE RETARDANT PLYWOOD BACKBOARD. COORDINATE FINAL PLACEMENT WITH OWNER'S IT DEPARTMENT.
 - CIRCUIT BREAKER AT PANEL IS GFCI PROTECTED.
 - COORDINATE RECEPTACLE PLACEMENT WITH NETWORK RACKS WITH DIVISION 27 CONTRACTOR AND OWNER PRIOR TO ROUGH-IN.
 - 18"x4" LADDER RUNWAY CABLE TRAY FOR NETWORK ROOM. COORDINATE FINAL ARRANGEMENT WITH RACK CONFIGURATION PRIOR TO ROUGH-IN/INSTALL.
 - COORDINATE PLACEMENT OF OUTLET AND ASSOCIATED RECEPTACLE FOR FLAT PANEL MONITOR WITH ARCHITECT PRIOR TO ROUGH-IN.
 - AS PART OF BASE BID, PROVIDE NEMA-3R MANUAL TRANSFER SWITCH WITH CAM LOCK CONNECTIONS. AS PART OF ALTERNATE #2, PROVIDE NEMA-3R AUTOMATIC TRANSFER SWITCH. REFER TO POWER RISER. ELECTRICAL CONTRACTOR SHALL PROVIDE SUPPORT FOR ALL LOW VOLT EQUIPMENT.
 - 208 VOLT, 20 AMP, 3 POLE, MOTOR RATED TOGGLE DISCONNECT SWITCH FOR HVAC UNIT. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR.
 - PROVIDE TWO GANG WALL BOX WITH 2-1 1/4" CONDUITS TO ABOVE NEAREST LAY-IN CEILING FOR NETWORK WIRING. COORDINATE EXACT LOCATION WITH FURNITURE CONNECTIONS PRIOR TO ROUGH-IN. PROVIDE COVERPLATE AND FLEXIBLE CONDUIT CONNECTIONS TO FURNITURE, SIZED TO ACCOMMODATE QUANTITY OF CABLES PROVIDED. COORDINATE CLOSELY WITH DIVISION 27 CONTRACTOR.
 - COORDINATE MOUNTINGS AND LOCATION OF OUTLET AND ASSOCIATED RECEPTACLE FOR FLAT PANEL DISPLAY WITH ARCHITECT PRIOR TO ANY ROUGH-IN.
 - PROVIDE NEW 600 VOLT, 400 AMP, 3 POLE, NEMA-3R, SE RATED BREAKER ENCLOSURE, 6SKAC.
 - REFER TO POWER RISER.
 - FOR CONTINUATION, SEE ELECTRICAL SITE PLAN ON DRAWING E7-01.
 - COORDINATE PLACEMENT OF NETWORK OUTLET WITH HVAC CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
 - (2)-4" COMMUNICATION CONDUITS - REFER TO SITE DRAWING E7-01.
 - (2)-3" COMMUNICATION CONDUITS TO IDF 247.
 - (2)-3" COMMUNICATION CONDUITS TO IDF 108.
 - 120 VOLT, 20 AMP, MOTOR RATED TOGGLE DISCONNECT SWITCH FOR RECIRCULATION PUMP. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
 - 600 VOLT, 30 AMP, 3 POLE, NEMA-1, NON-FUSIBLE DISCONNECT SWITCH FOR WATER HEATER. COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR.
 - RANGE HOOD POWER SWITCH TO ACCOMMODATE ADA REQUIREMENTS. COORDINATE FINAL LOCATION WITH ARCHITECT.
 - 120 VOLT, 20 AMP, MOTOR RATED TOGGLE DISCONNECT SWITCH FOR MOTOR OPERATED DOOR. COORDINATE FINAL LOCATION WITH DOOR HARDWARE CONTRACTOR.
 - PROVIDE EMERGENCY POWER OFF PUSH BUTTON STATION, NEMA-3R, UNDER LEXAN COVER. LABEL AS "GENERATOR EMERGENCY SHUT OFF".



3 ENLARGED POWER PLAN - MDF 120
1/4" = 1'-0"



4 ELECTRICAL POWER PLAN - MECHANICAL BUILDING
1/8" = 1'-0"

1 POWER PLAN - AREA A
1/8" = 1'-0"

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1	11/5/2024	ADDENDUM 1

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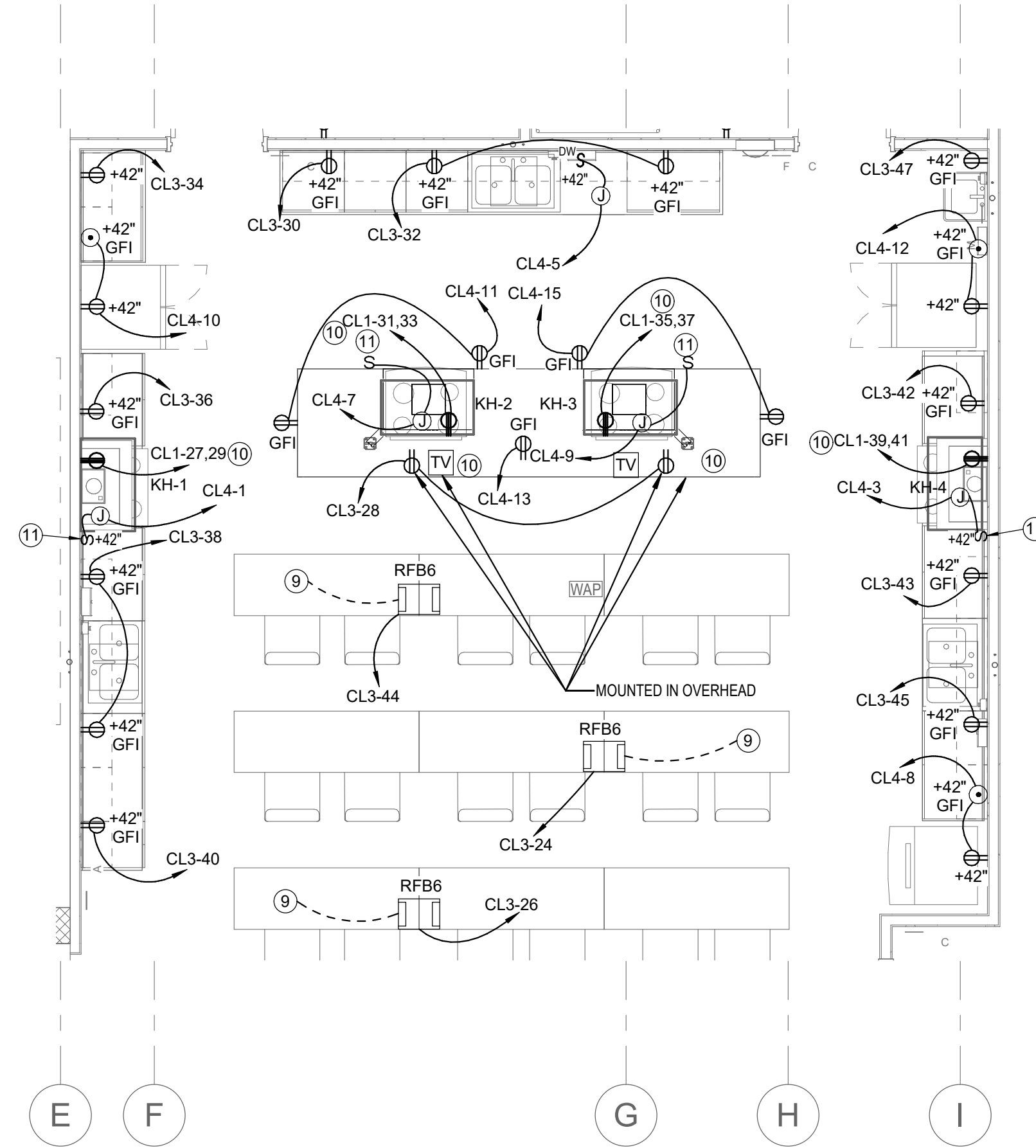
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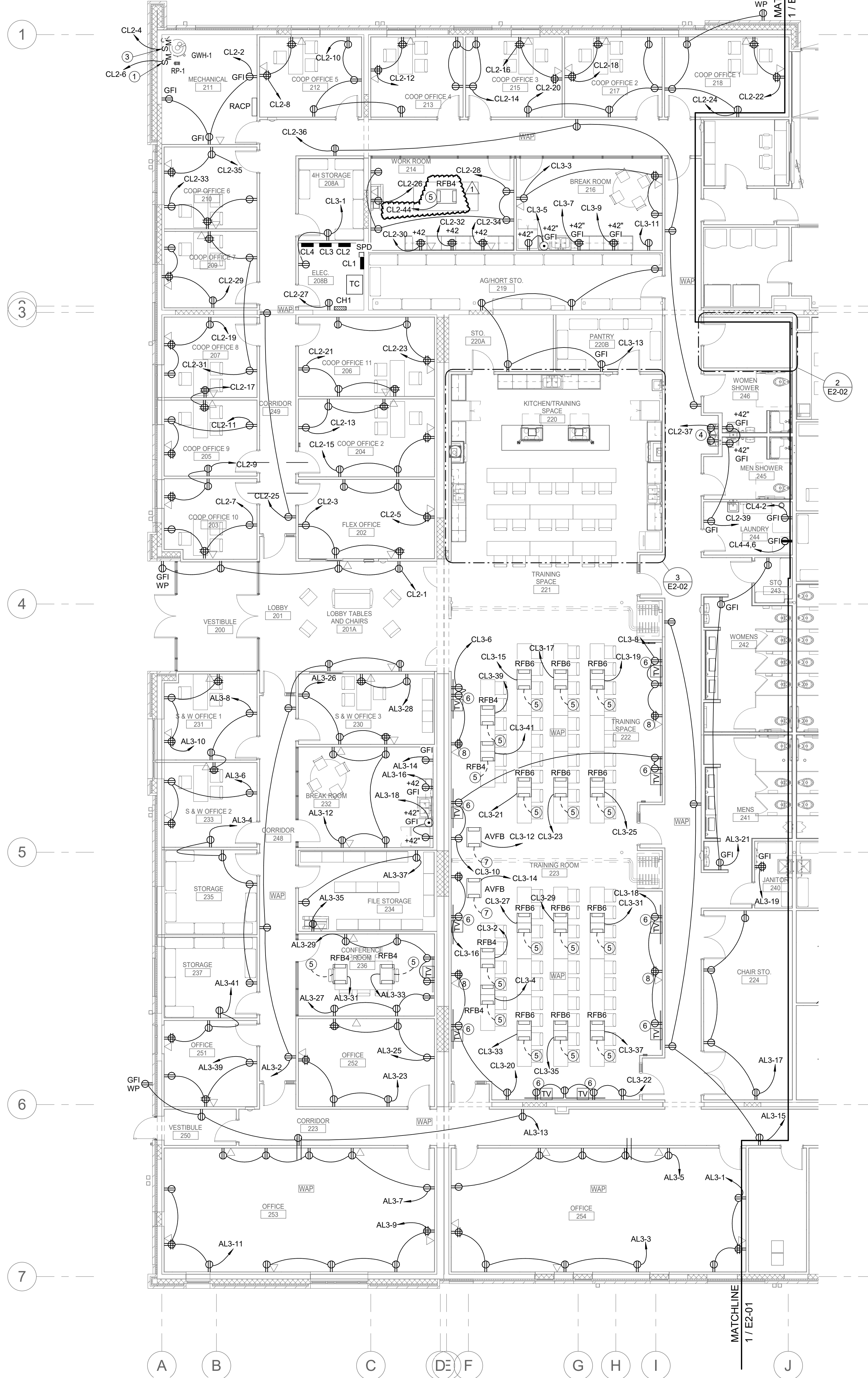
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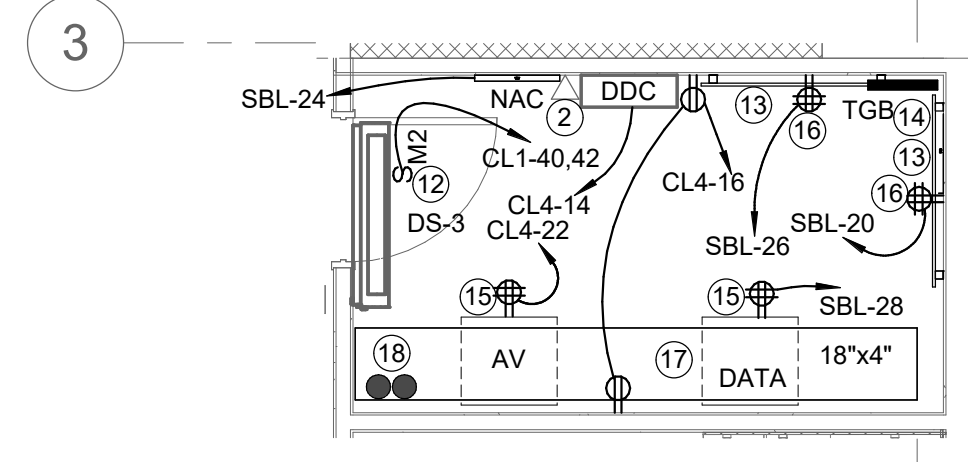
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3 ENLARGED POWER PLAN - KITCHEN/TRAINING 220
1/4" = 1'-0"



1 POWER PLAN - AREA B
1/8" = 1'-0"



2 ENLARGED POWER PLAN - IDF 247
1/4" = 1'-0"

GENERAL NOTES:

- A. REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
- B. ELECTRICAL CONTRACTOR SHALL PROVIDE CORDS AND PLUGS FOR APPLIANCES. COORDINATE WITH ARCHITECT FOR EQUIPMENT CUT SHEETS.
- C. THERE SHALL BE NO EXPOSED LOW VOLTAGE WIRING IN ANY AREAS WITH OPEN STRUCTURE OR FLOATING CEILINGS. WIRING SHALL BE IN MINIMUM 3/4" CONDUIT.

KEYNOTES:

1. 120 VOLT, 20 AMP MOTOR RATED TOGGLE DISCONNECT SWITCH FOR RECIRCULATION PUMP. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
2. COORDINATE PLACEMENT OF NETWORK OUTLET WITH HVAC CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
3. 120 VOLT, 20 AMP MOTOR RATED TOGGLE DISCONNECT SWITCH FOR GAS WATER HEATER IGNITOR. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR. SO CORD DOES NOT SHOW. CIRCUIT IS GFCI PROTECTED AT PANEL.
4. COORDINATE LOCATION OF OUTLETS FOR WATER COOLER WITH PLUMBING CONTRACTOR. SO CORD DOES NOT SHOW. CIRCUIT IS GFCI PROTECTED AT PANEL.
5. PROVIDE 1 1/4" COMMUNICATIONS CONDUIT, CONCEALED, FROM FLOOR BOX TO ABOVE NEAREST ACCESSIBLE CEILING. ALSO PROVIDE 3/4" POWER CONDUIT, CONCEALED, FROM FLOOR BOX TO RESPECTIVE PANEL. CIRCUIT AS INDICATED.
6. COORDINATE PLACEMENT OF POWER/COMMUNICATION OUTLETS FOR FLAT PANEL WITH ARCHITECT PRIOR TO ROUGH-IN.
7. PROVIDE (2)-1 1/4" AND (1)-1" COMMUNICATIONS CONDUITS, CONCEALED, FROM FLOOR BOX TO ABOVE NEAREST ACCESSIBLE CEILING. ALSO PROVIDE 3/4" POWER CONDUIT, CONCEALED, FROM FLOOR BOX TO RESPECTIVE PANEL. CIRCUIT AS INDICATED.
8. PROVIDE A 1" COMMUNICATIONS CONDUIT FROM OUTLET BOX TO ABOVE NEAREST ACCESSIBLE CEILING.
9. PROVIDE (2)-1 1/4" COMMUNICATIONS CONDUITS, CONCEALED, FROM FLOOR BOX TO ABOVE NEAREST ACCESSIBLE CEILING. ALSO PROVIDE 3/4" POWER CONDUIT, CONCEALED, FROM FLOOR BOX TO RESPECTIVE PANEL. CIRCUIT AS INDICATED.
10. CIRCUIT BREAKER AT PANEL BOARD IS GFCI PROTECTED.
11. RANGE HOOD POWER SWITCH TO ACCOMMODATE ADA REQUIREMENTS. COORDINATE FINAL LOCATION WITH ARCHITECT.
12. 240 VOLT, 20 AMP, 2 POLE, MOTOR RATED TOGGLE DISCONNECT SWITCH FOR HVAC EQUIPMENT. OUTDOOR UNIT ON ROOF POWERS ASSOCIATED INDOOR UNIT. REFER TO MECHANICAL EQUIPMENT SCHEDULES ON DRAWING M7-01.
13. 4'x8'x3/4" FIRE RETARDANT PLYWOOD BACK BOARD. COORDINATE FINAL LOCATION WITH OWNER AND DIVISION 27 CONTRACTOR.
14. TELECOMMUNICATIONS GROUND BAR - REFER TO DETAILS E0-03/1 AND E0-03/5.
15. COORDINATE PLACEMENT OF QUADRAPLEX RECEPTACLE FOR NETWORK RACK WITH DIVISION 27 CONTRACTOR AND OWNER'S AV CONTRACTOR.
16. COORDINATE PLACEMENT OF SECURITY ACCESS CONTROL OUTLETS WITH APPLICABLE LOW VOLTAGE CONTRACTORS PRIOR TO ROUGH-IN.
17. 18"x4" LADDER RUNWAY TRAY. COORDINATE PLACEMENT WITH DIVISION 27 CONTRACTOR.
18. (2)-3" COMMUNICATION CONDUITS TO MDF-120.

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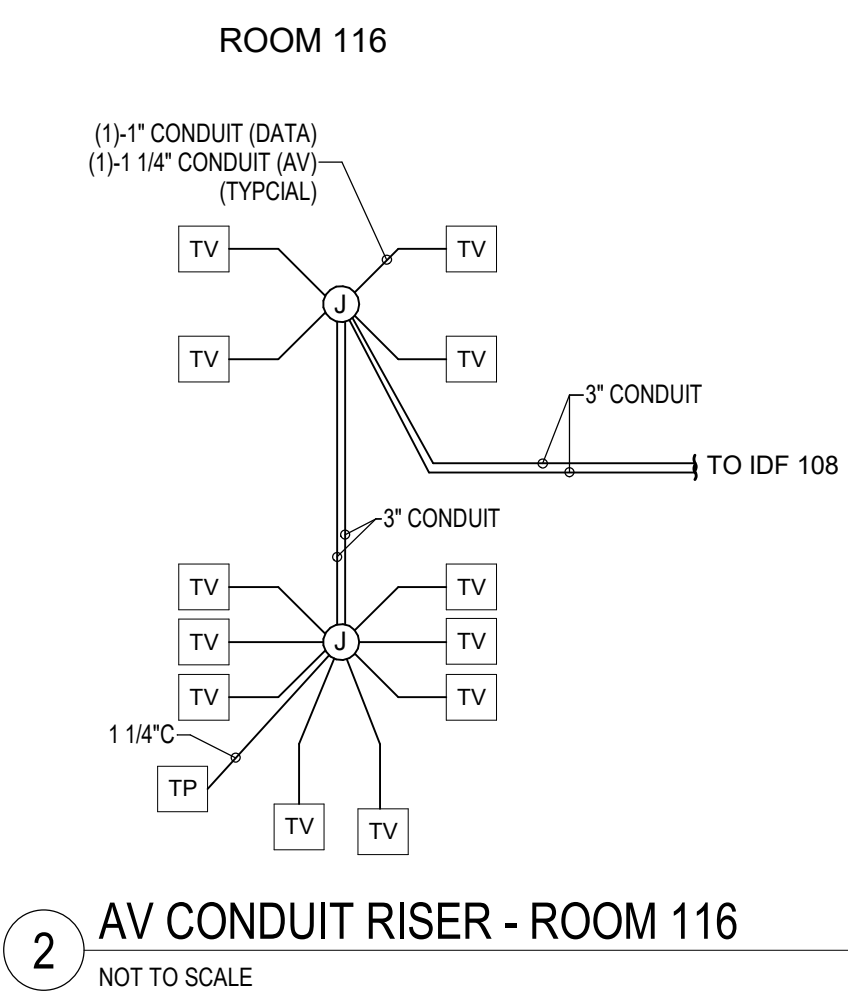
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POWER PLAN - AREA B

**CAT. 6/HDMI PLENUM DATA DROPS
OUTLET & CABLE SCHEDULE**

FLOOR/AREA	ROOM #	CAT-6 DROPS	HDMI DROPS	COMMENTS	TERMINATION
1ST FLOOR	101	6	-	1 CAM	IDF-RM108
1ST FLOOR	102	10	-	-	IDF-RM108
1ST FLOOR	103	5	-	-	IDF-RM108
1ST FLOOR	104	54	-	2 CAM, 3 WAP	IDF-RM108
1ST FLOOR	104A	4	-	-	IDF-RM108
1ST FLOOR	104B	4	-	-	IDF-RM108
1ST FLOOR	104C	1	-	-	IDF-RM108
1ST FLOOR	104D	4	-	-	IDF-RM108
1ST FLOOR	104E	18	2	-	IDF-RM108
1ST FLOOR	104F	6	-	-	IDF-RM108
1ST FLOOR	104G	2	-	-	IDF-RM108
1ST FLOOR	106	17	-	2 CAM, 1 WAP	IDF-RM108
1ST FLOOR	106C	9	-	-	IDF-RM108
1ST FLOOR	106D	4	-	-	IDF-RM108
1ST FLOOR	108	2	-	DDC PANEL	IDF-RM108
1ST FLOOR	116	64	-	2 WAP	IDF-RM108
1ST FLOOR	131	7	-	4 CAM, 3 WAP	IDF-RM108
1ST FLOOR	EXTERIOR	5	-	5 CAM	IDF-RM108
1ST FLOOR	113	11	-	1 CAM, 1 WAP	MDF-RM120
1ST FLOOR	113A	4	-	-	MDF-RM120
1ST FLOOR	113B	2	-	-	MDF-RM120
1ST FLOOR	113E	2	-	-	MDF-RM120
1ST FLOOR	115	-	-	1 WAP	MDF-RM120
1ST FLOOR	115A	4	-	-	MDF-RM120
1ST FLOOR	116A	6	-	-	MDF-RM120
1ST FLOOR	116C	14	3	1 WAP	MDF-RM120
1ST FLOOR	121	12	1	1 WAP	MDF-RM120
1ST FLOOR	122	12	1	1 WAP	MDF-RM120
1ST FLOOR	127	4	-	-	MDF-RM120
1ST FLOOR	128	9	-	-	MDF-RM120
1ST FLOOR	131	3	-	1 WAP, 2 CAM	MDF-RM120
1ST FLOOR	EXTERIOR	3	-	3 CAM	MDF-RM120
TOTALS:		322	9		

FIBER BACK BONE CABLES (OM3-PLENUM)

AREA/FLOOR	ROOM #	# OF FIBER CONDUCTORS	TERMINATION
A/1ST FLOOR	108	24 STRAND/50 MICRON/MULTIMODE	MDF-120
B/1ST FLOOR	247	24 STRAND/50 MICRON/MULTIMODE	MDF-120
TOTAL FIBERS:		48	

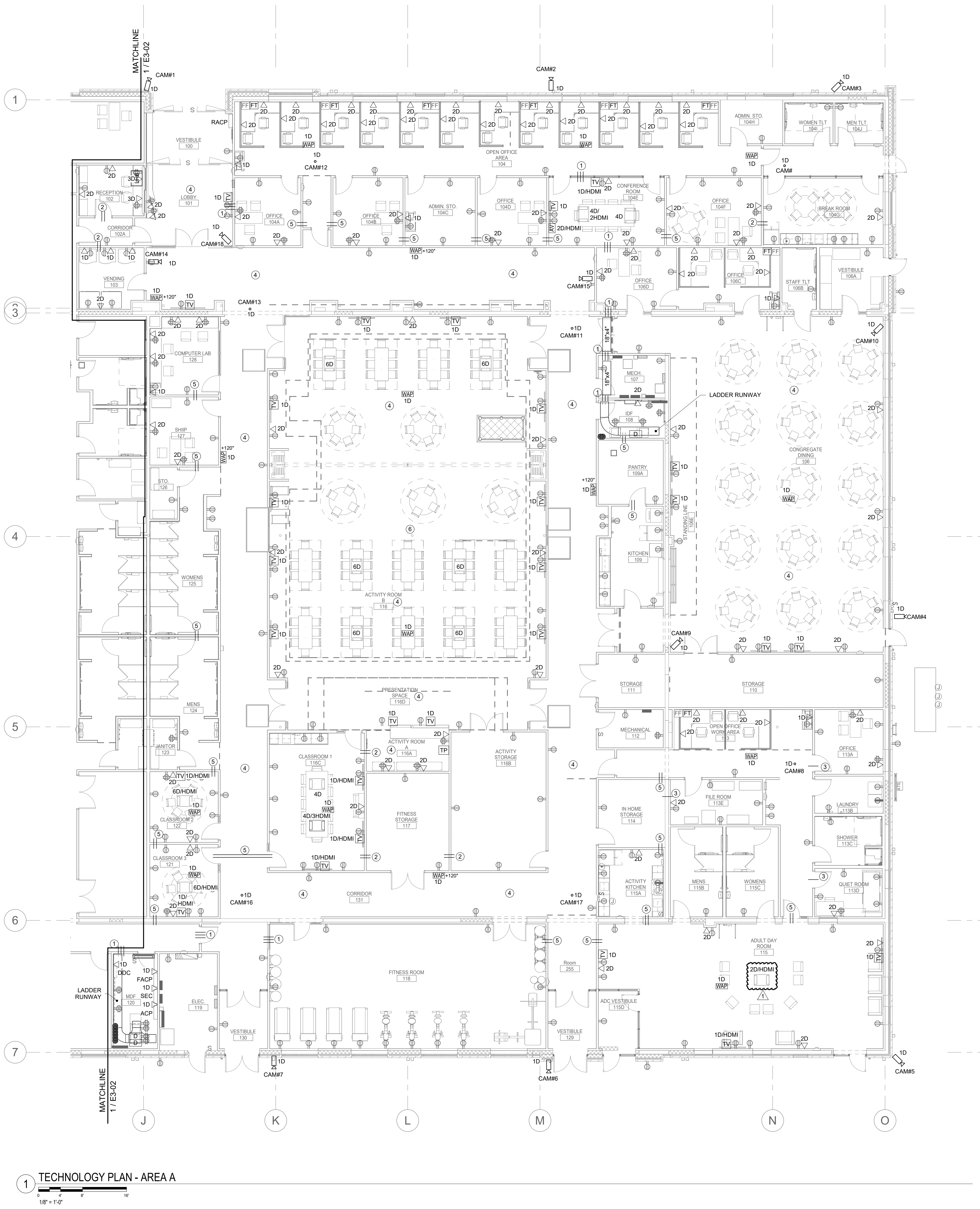


LEGEND:

- J JUNCTION BOX - MINIMUM 18"x18"x6"
- TV TWO-GANG, DEEP FLAT PANEL OUTLET BOX
- TP THREE GANG TOUCH PANEL BACK BOX BY AV CONTRACTOR

GENERAL NOTES:

A. ALL WIRING IN THIS ROOM WITH OPEN STRUCTURE SHALL BE IN CONDUIT.



- GENERAL NOTES:**
- A. REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
 - B. IN AREAS WHERE THERE IS ACCESSIBLE LAY-IN CEILING, J-HOOKS SHALL BE SPACED NO MORE THAN 36" APART. IN OTHER AREAS WITH OPEN OR HARD CEILINGS SHALL USE MINIMUM 3/4" CONDUIT FOR LOW VOLTAGE WIRING.
 - C. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.
 - D. ALL FIBER BACKBONE CABLES SHALL BE IN PLENUM RATED INNER DUCT ABOVE ACCESSIBLE LAY-IN CEILING. OTHERWISE, CABLES SHALL BE IN MINIMUM 2" CONDUIT ABOVE OPEN OR HARD CEILING.
 - E. ALL NETWORK RACKS PROVIDED AND INSTALLED BY DIVISION 27 CONTRACTOR.
 - F. ALL LADDER RUNWAY TRAY IN NETWORK CLOSETS BY DIVISION ELECTRICAL CONTRACTOR. OTHERWISE 18"x4" LADDER TRAY IS BY ELECTRICAL CONTRACTOR.
 - G. ALL CAMERA LOCATIONS SHALL BE COORDINATED BETWEEN ELECTRICAL, DIVISION 27 AND OWNER'S SECURITY CONTRACTORS PRIOR TO ROUGH-IN.
 - H. DIVISION 27 CONTRACTOR SHALL COORDINATE WITH FURNITURE PROVIDER. COMMUNICATION FURNITURE FEEDS VIA FLEX CONDUIT BY ELECTRICAL CONTRACTOR FROM WALL SHALL BE USED TO FEED CAT-6 WIRING TO MODULAR FURNITURE. DIVISION 27 CONTRACTOR SHALL PROVIDE CORRECT MODULAR FURNITURE CONNECTOR/INSERTS. ALL WORK SHALL BE COORDINATED BETWEEN ELECTRICAL, DIVISION 27 AND FURNITURE CONTRACTORS PRIOR TO ROUGH-INS.
- KEYNOTES:**
1. (3) 3" CONDUIT SLEEVES WITH BUSHINGS ON BOTH ENDS ABOVE ACCESSIBLE LAY-IN CEILING.
 2. (2) 2" CONDUIT SLEEVES WITH BUSHINGS ON BOTH ENDS ABOVE ACCESSIBLE LAY-IN CEILING.
 3. (1) 2" CONDUIT SLEEVE WITH BUSHINGS ON BOTH ENDS ABOVE ACCESSIBLE LAY-IN CEILING.
 4. ALL LOW VOLTAGE DATA CONDUITS IN THIS ROOM/AREA SHALL BE ROUTED CONCEALED TO RESPECTIVE IDF CLOSETS.
 5. (2)-3" CONDUIT SLEEVES WITH BUSHINGS ON BOTH ENDS ABOVE ACCESSIBLE LAY-IN CEILING.
 6. REFER TO AV CONDUIT RISER DETAIL 2 ON THIS DRAWING.

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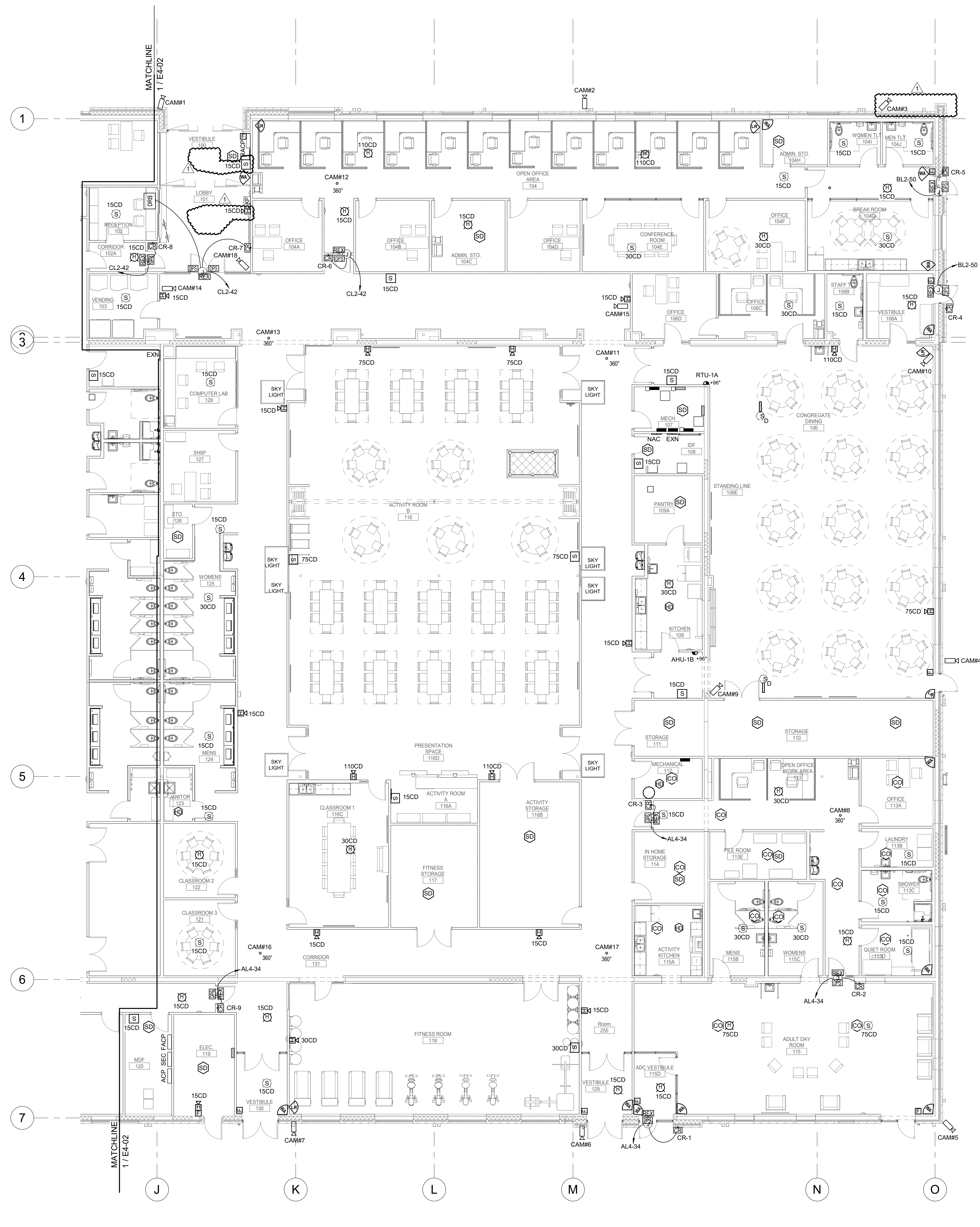
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1	11/5/2024		

DRAWN BY: JPT
CHECKED BY: JTB
**TECHNOLOGY
PLAN - AREA A**

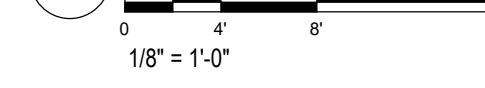


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1 FIRST FLOOR FIRE ALARM PLAN - AREA A



- GENERAL NOTES:**
- A. REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
 - B. ALL FIRE ALARM WIRING SHALL BE IN MINIMUM 3/4" CONDUIT.
 - C. MOUNT EXTERIOR CAMERAS AS DIRECTED BY OWNER/OWNER'S SECURITY CONTRACTOR.
 - D. ACCESS CONTROLLED DOORS SHALL BE COORDINATED FOR ROUGH-INS AND 120VAC POWER. A PRE-INSTALLATION MEETING SHALL OCCUR PRIOR TO ROUGH-IN.

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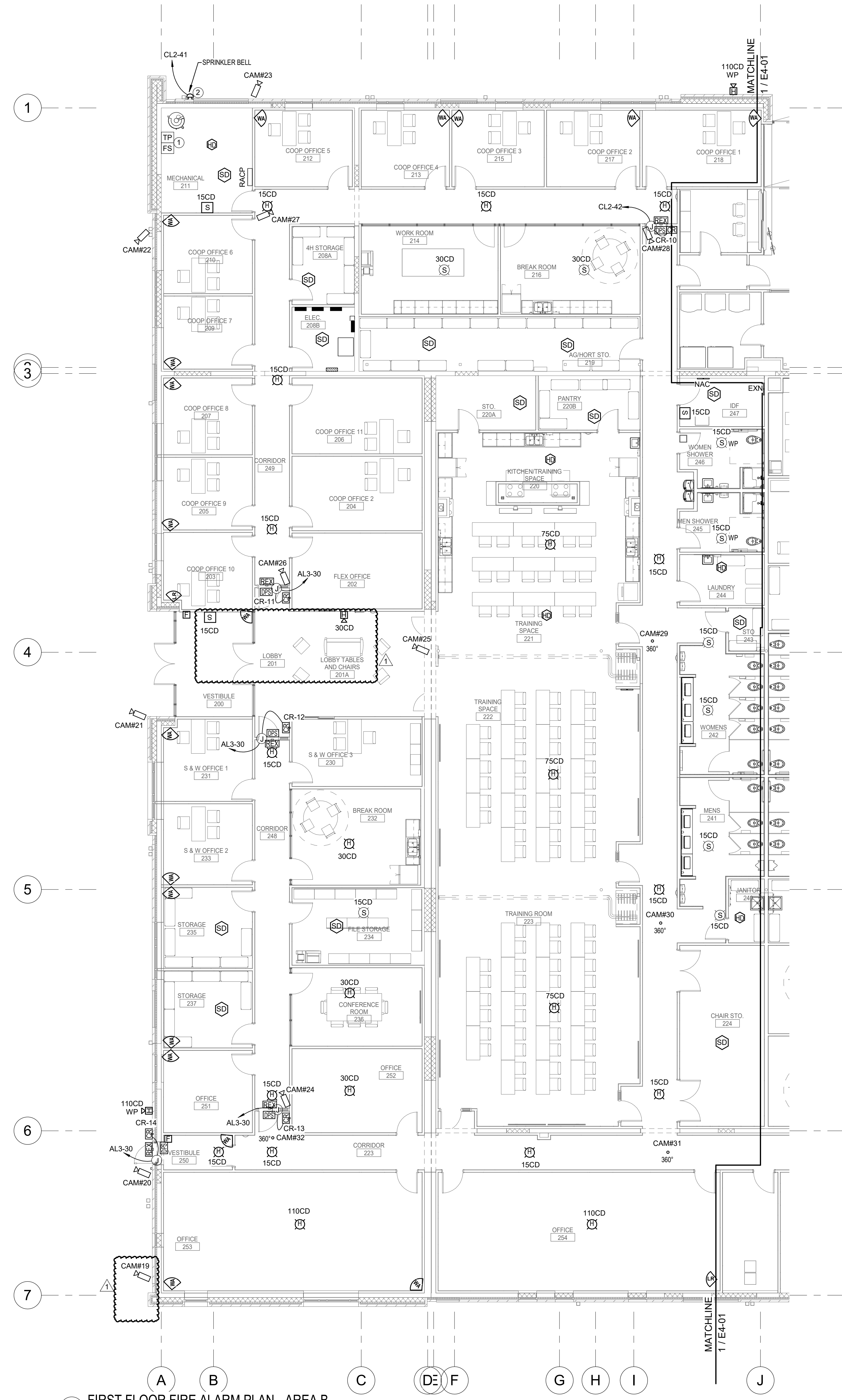
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FIRE ALARM &
SECURITY PLAN -
AREA A

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1 FIRST FLOOR FIRE ALARM PLAN - AREA B
1/8" = 1'-0"

- GENERAL NOTES:**
- REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
 - ALL FIRE ALARM WIRING SHALL BE IN MINIMUM 3/4" CONDUIT.
 - MOUNT EXTERIOR CAMERAS AS DIRECTED BY OWNER/OWNER'S SECURITY CONTRACTOR.
 - ACCESS CONTROLLED DOORS SHALL BE COORDINATED FOR ROUGH-INS AND 120VAC POWER. A PRE-INSTALLATION MEETING SHALL OCCUR PRIOR TO ROUGH-IN.
- KEYNOTES:**
- COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR TAMPER SWITCH AND FLOW SWITCH LOCATIONS AT SPRINKLER RISER PRIOR TO ROUGH-IN. DEVICES SHALL BE WIRED INTO FIRE ALARM SYSTEM.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE SPRINKLER BELL POWER REQUIREMENTS AND WIRE AS REQUIRED.

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FIRE ALARM & SECURITY PLAN - AREA B

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PANEL MDP																								
CKT	LOAD TYPE	LOAD KVA	DESCRIPTION	PHASE												DESCRIPTION	LOAD KVA	LOAD TYPE	CKT					
				C	PH	N	G	CB	A	B	C	CB	PH	N	G					C				
1	R	7.800	SEE POWER RISER															2	S	35.179	PANEL AH1	35.179	S	2
3	O	8.340	SEE POWER RISER														4	S	35.179	SPD	35.179	S	4	
5	S	9.680	SEE POWER RISER														6	S	35.179	SEE POWER RISER	35.179	S	6	
7	R	13.996	SEE POWER RISER														8	S	41.474	TRANSFORMER TA [112.5KVA]	34.892	S	8	
9	S	12.340	SEE POWER RISER														10	S	39.748	PANEL BH1	31.788	S	10	
11	R	12.340	SEE POWER RISER														12	S	42.290	SEE POWER RISER	29.528	S	12	
13	O	0.000	SEE POWER RISER														14	S	55.778	SPARE		S	14	
15	O	0.000	SEE POWER RISER														16	S	59.954	PANEL CH1		S	16	
17	R	17.579	SEE POWER RISER														18	S	57.969	SEE POWER RISER	33.205	S	18	
19	O	0.000	SEE POWER RISER														20	S	8.491	SPARE		S	20	
21	R	0.720	SEE POWER RISER														22	S	7.544	PANEL AH2	31.639	S	22	
23	O	0.000	SEE POWER RISER														24	S	5.584	SEE POWER RISER	30.108	S	24	
25	O	0.000	SEE POWER RISER														26	S	0.000	SPARE		S	26	
27	O	0.000	SEE POWER RISER														28	S	0.000	SPARE		S	28	
29	O	0.000	SEE POWER RISER														30	S	0.000	SPARE		S	30	
31	R	0.600	SEE POWER RISER														32	S	0.000	SPARE		S	32	
33	O	0.000	SEE POWER RISER														34	S	0.000	SPARE		S	34	
35	O	0.000	SEE POWER RISER														36	S	0.000	SPARE		S	36	
37	O	0.000	SEE POWER RISER														38	S	0.000	SPARE		S	38	
39	O	0.000	SEE POWER RISER														40	S	0.000	SPARE		S	40	
41	O	0.000	SEE POWER RISER														42	S	0.000	SPARE		S	42	

PANEL MDP											
LOAD TYPE	CONNECTED	DEMAND	FED FROM:	LOAD TYPE	CONNECTED	DEMAND	FED FROM:	LOAD TYPE	CONNECTED	DEMAND	
LOAD TOTAL:	34.89	31.78	29.53	LOAD TOTAL:	299.02	206.05	200.43	LOAD TOTAL:	615.50	89%	547.73
(R) RECEPTACLES	51.78	60%	30.89	(R) RECEPTACLES	159.80	53%	84.95	(R) RECEPTACLES	186.006	KVA	671.5
(M) MOTOR	0.00	100%	0.00	(M) MOTOR	0.00	100%	0.00	(M) MOTOR	183.366	KVA	662.0
(H) HVAC	8.88	100%	8.88	(H) HVAC	287.60	100%	267.60	(H) HVAC	176.361	KVA	643.9
(L) LIGHTING	0.07	125%	0.09	(L) LIGHTING	28.74	125%	35.93	(L) LIGHTING			
(O) OTHER	35.68	100%	35.68	(O) OTHER	159.26	100%	159.26	(O) OTHER			
(K) KITCHEN EQUIP	0.00	100%	0.00	(K) KITCHEN EQUIP	0.00	100%	0.00	(K) KITCHEN EQUIP			

PANEL AH1																							
CKT	LOAD TYPE	LOAD KVA	DESCRIPTION	PHASE												DESCRIPTION	LOAD KVA	LOAD TYPE	CKT				
				C	PH	N	G	CB	A	B	C	CB	PH	N	G					C			
1	H	3.601	RTU-12														2	H	3.601	RTU-18	3.601	H	2
3	H	3.601	RTU-12														4	H	3.601	RTU-18	3.601	H	4
5	H	3.601	RTU-12														6	H	3.601	RTU-18	3.601	H	6
7	H	3.601	RTU-12														8	H	3.601	RTU-18	3.601	H	8
9	H	3.601	RTU-12														10	H	3.601	RTU-18	3.601	H	10
11	H	3.601	RTU-12														12	H	3.601	RTU-18	3.601	H	12
13	H	3.601	RTU-12														14	H	3.601	RTU-18	3.601	H	14
15	H	3.601	RTU-12														16	H	3.601	RTU-18	3.601	H	16
17	H	3.601	RTU-12														18	H	3.601	RTU-18	3.601	H	18
19	H	3.601	RTU-12														20	H	3.601	RTU-18	3.601	H	20
21	H	3.601	RTU-12														22	H	3.601	RTU-18	3.601	H	22
23	H	3.601	RTU-12														24	H	3.601	RTU-18	3.601	H	24
25	H	3.601	RTU-12														26	H	3.601	RTU-18	3.601	H	26
27	H	3.601	RTU-12														28	H	3.601	RTU-18	3.601	H	28
29	H	3.601	RTU-12														30	H	3.601	RTU-18	3.601	H	30
31	O	0.000	SPARE														32	O	0.000	SPARE		O	32
33	O	0.000	SPARE														34	O	0.000	SPARE		O	34
35	O	0.000	SPARE														36	O	0.000	SPARE		O	36
37	O	0.000	SPARE														38	O	0.000	SPARE		O	38
39	O	0.000	SPARE														40	O	0.000	SPARE		O	40
41	O	0.000	SPARE														42	O	0.000	SPARE		O	42

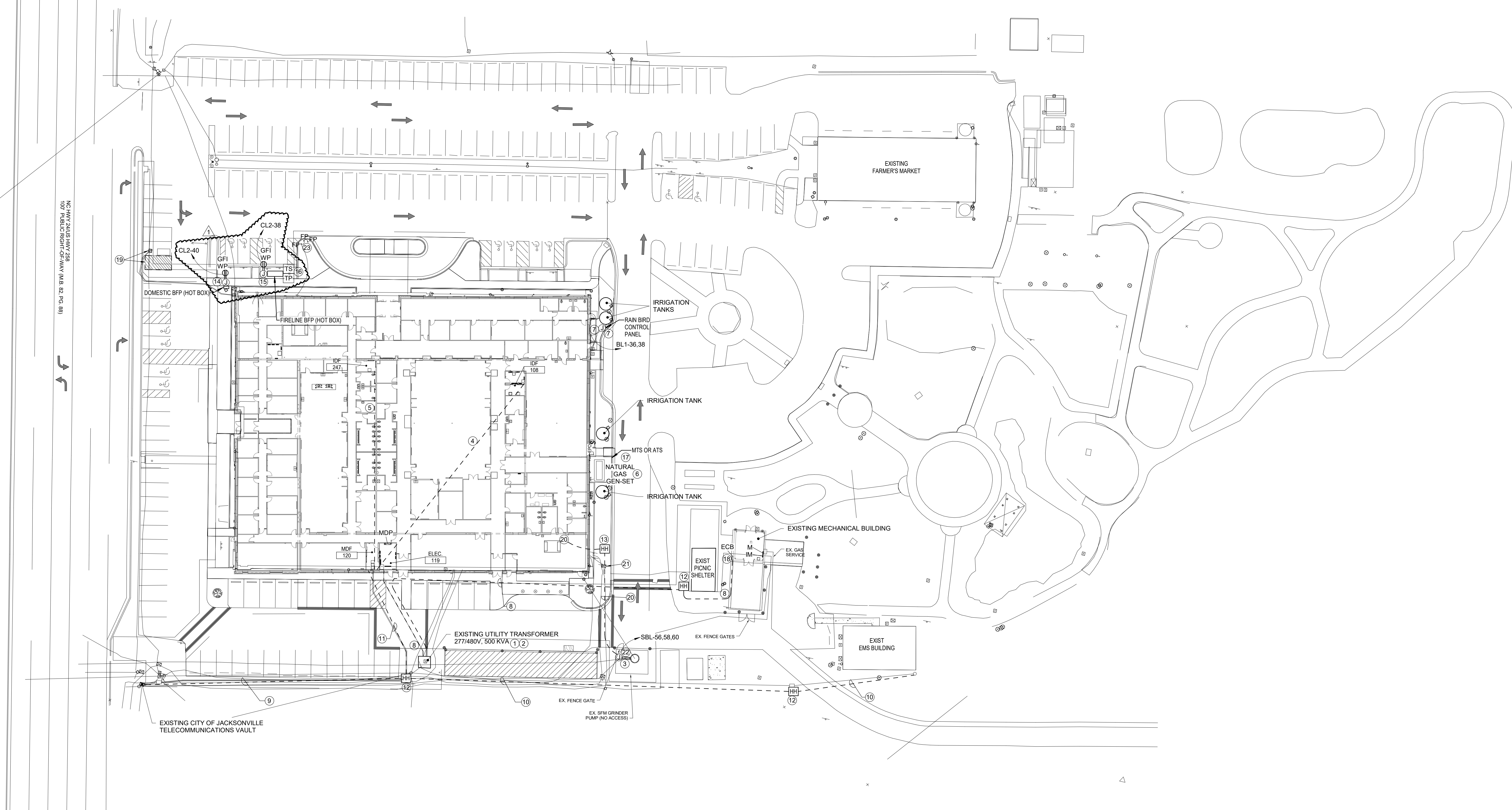
PANEL AH1											
LOAD TYPE	CONNECTED	DEMAND	FED FROM:	LOAD TYPE	CONNECTED	DEMAND	FED FROM:	LOAD TYPE	CONNECTED	DEMAND	
LOAD TOTAL:	35.18	35.18	35.18	LOAD TOTAL:	105.54	100%	105.54	LOAD TOTAL:	105.54	100%	105.54
(R) RECEPTACLES	0.00	100%	0.00	(R) RECEPTACLES	0.00	100%	0.00	(R) RECEPTACLES	0.00	100%	0.00
(M) MOTOR	0.00	100%	0.00	(M) MOTOR	0.00	100%	0.00	(M) MOTOR	0.00	100%	0.00
(H) HVAC	105.54	100%	105.54	(H) HVAC	105.54	100%	105.54	(H) HVAC	105.54	100%	105.54
(L) LIGHTING	0.00	125%	0.00	(L) LIGHTING	0.00	125%	0.00	(L) LIGHTING	0.00	125%	0.00
(O) OTHER	0.00	100%	0.00	(O) OTHER	0.00	100%	0.00	(O) OTHER	0.00	100%	0.00
(K) KITCHEN EQUIP	0.00	100%	0.00	(K) KITCHEN EQUIP	0.00	100%	0.00	(K) KITCHEN EQUIP	0.00	100%	0.00

PANEL AH2																							
CKT	LOAD TYPE	LOAD KVA	DESCRIPTION	PHASE												DESCRIPTION	LOAD KVA	LOAD TYPE	CKT				
				C	PH	N	G	CB	A	B	C	CB	PH	N	G					C			
1	L	2.349	LTS - 116, 116D														2	L	1.920	LTS - 116, 116D	1.920	L	2
3	L	1.314	LTS - 102, 103, 119-128														4	L	1.844	LTS - 116, 116D	1.844	L	4
5	L	1.044	LTS - 221, 222, 223														6	L	1.136	LTS - 116, 116D	1.136	L	6
7	L	1.404	LTS - 116(A,B,C), 117, 118														8	L	1.404	LTS - 116(A,B,C), 117, 118	1.404	L	8
9	L	1.994	LTS - 131														10	L	1.994	LTS - 131	1.994	L	10
11	L	1.444	LTS - 101, 131														12	L	1.444	LTS - 101, 131	1.444	L	12
13	L	1.879	LTS - 201, 223, 248, 249														14	L	1.879	LTS - 201, 223, 248, 249	1.879	L	14
15	L	1.992	LTS - 202-207, 208(A,B), 209-218														16	L	1.992	LTS - 202-207, 208(A,B), 209-218	1.992	L	16
17	L	1.730	LTS - 224, 24-247, 253, 254														18	L	1.730	LTS - 224, 24-247, 253, 254	1.730	L	18
19	L	1.039	LTS - 230-237, 251, 252														20	L	1.039	LTS - 230-237, 251, 252	1.039	L	20
21	O	0.600	LTS - UNDERCOUNTER 221														22	O	0.600	LTS - UNDERCOUNTER 221	0.600	O	22
23	O	0.000	SPARE														24	O	0.000	SPARE		O	24

PANEL AH2										
LOAD TYPE	CONNECTED	DEMAND	FED FROM:	LOAD TYPE	CONNECTED	DEMAND	FED FROM:	LOAD TYPE	CONNECTED	DEMAND
LOAD TOTAL:	8.49	7.54	5.35							

ID	DATE	DESCRIPTION
1	11/05/2024	ADDENDUM 1

DRAWN BY: JPT
CHECKED BY: JTB
ELECTRICAL SITE PLAN



1 POWER SITE PLAN
1" = 30'-0"

KEYNOTES:

- EXISTING UTILITY TRANSFORMER SHALL REMAIN AND/OR BE REPLACED AS PER DUKE ENERGY DIRECTIVE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE NEW TRANSFORMER PAD PER DUKE ENERGY REQUIREMENTS TO ACCOMMODATE NEW SECONDARIES.
- AS PART OF ALTERNATE #1, GRINDER PUMP STATION SHALL BE REPLACED. ALL ELECTRICAL WORK ASSOCIATED WITH THIS REPLACEMENT SHALL BE BY THE ELECTRICAL CONTRACTOR COORDINATING CLOSELY WITH THE UTILITY CONTRACTOR. REFER TO CIVIL DRAWINGS C5-01 AND C5-02.
- (2)-3" COMMUNICATION CONDUITS FROM MDF-120 TO IDF-108.
- (2)-3" COMMUNICATION CONDUITS FROM MDF-120 TO IDF-247.
- AS PART OF ALTERNATE #2, A NATURAL GAS STANDBY GENERATOR SHALL BE PROVIDED. REFER TO POWER RISER.
- THE EXISTING RAINBIRD IRRIGATION SYSTEM SHALL BE RECONNECTED TO A NEW 240 VOLT, 60 AMP/2 POLE, NEMA-3R, NON-FUSED DISCONNECT SWITCH. CIRCUIT AS SHOWN.
- REFER TO POWER RISER FOR CONDUIT AND WIRE SIZES.
- (3)-4" COMMUNICATION CONDUITS FROM VAULT TO HANDHOLE. NOTE: THERE ARE EXISTING UNDERGROUND FIBER/TELEPHONE RACEWAYS IN THIS LOCATION. TO ACCOMMODATE THE ROUTING OF THE NEW SERVICE PROVIDER CONDUITS, THE CONTRACTOR SHALL DEMOLISH ANY EXISTING RACEWAYS THAT MAY INTERFERE WITH NEW RACEWAYS.
- (1)-4" COMMUNICATION CONDUIT FROM HANDHOLE TO HANDHOLE AND THEN CONTINUED TO EMS MODULAR BUILDING. COORDINATE THE FINAL LOCATION OF THE TERMINATION OF THE 4" CONDUIT IN THE BUILDING. NOTE: THERE ARE EXISTING UNDERGROUND FIBER/TELEPHONE RACEWAYS IN THIS LOCATION. TO ACCOMMODATE THE ROUTING OF THE NEW SERVICE PROVIDER CONDUITS, THE CONTRACTOR SHALL DEMOLISH ANY EXISTING RACEWAYS THAT MAY INTERFERE WITH NEW RACEWAYS.
- (2)-4" COMMUNICATION CONDUITS FROM HANDHOLE TO MDF-120.
- HANDHOLE - TIER 22 BOX/COVER (QUAZITE #PG 24 36 DA 30/PG2436H00) GASKETED WITH TWO BOLTS. IDENTIFY AS COMMUNICATIONS OR POWER AS APPLICABLE.
- HANDHOLE - TIER 22 BOX/COVER (QUAZITE #PG 18 24 DA 30/PG1824H00) GASKETED WITH TWO BOLTS. IDENTIFY AS POWER AS APPLICABLE.
- EXISTING HOT BOX FOR DOMESTIC WATER. DISCONNECT EXISTING WIRING AND REPLACE WITH NEW FOR HOT BOX HEATER. CIRCUIT AS SHOWN.
- NEW HOT BOX FOR FIRELINE. PROVIDE 120VAC POWER AND RECEPTACLE. CIRCUIT AS SHOWN.
- PROVIDE TAMPER SWITCH AND TEMPERATURE SENSOR AT FIRELINE BFP HOT BOX WITH 3/4" CONDUIT AND ASSOCIATED FIRE ALARM WIRING BACK TO FACP.
- AS PART OF BASE BID PROVIDE 600 VOLT, 225 AMP, 4 POLE, NEMA-3R, MANUAL TRANSFER SWITCH WITH GENERATOR CAM LOCK CONNECTIONS. IF ALTERNATE #2 IS ACCEPTED, PROVIDE 480 VOLT, 225 AMP, 4 POLE, NEMA-3R AUTOMATIC TRANSFER SWITCH. REFER TO POWER RISER. MOUNT THE APPLICABLE SWITCH ON GALVANIZED ANGLE/INSTRUT FRAME EMBEDDED IN CONCRETE. COORDINATE CLOSELY TO MAINTAIN CLEARANCES.
- 480 VOLT, 400 AMP, 3 POLE, NEMA-3R, SERVICE ENTRANCE RATED, BREAKER ENCLOSURE. REFER TO POWER RISER.
- EXISTING BUILDING SIGN TO BE DEMOLISHED IN ITS ENTIRETY. DISCONNECT AND REMOVE ALL POWER AND COMMUNICATIONS ASSOCIATED WITH SIGN.
- AS PART OF BASE BID, REFER TO PANEL SBL SCHEDULE FOR CONDUIT AND WIRE SIZES FOR NEW BRANCH CIRCUIT FEED TO GRINDER PUMP STATION. COORDINATE ALL CONNECTIONS CLOSELY WITH UTILITY CONTRACTOR. NOTE: IF ALTERNATE #1 IS ACCEPTED, A NEW GRINDER PUMP STATION SHALL BE PROVIDED TO REPLACE EXISTING.
- REMOVE EXISTING HAND HOLE AND ASSOCIATED CONDUIT/WIRING IN ITS ENTIRETY.
- THE EXISTING GRINDER PUMP STATION IS CURRENTLY FED FROM EXISTING PANEL 1M. THIS SHALL REMAIN UNTIL THE NEW PANEL SBL IS INSTALLED. AT THAT TIME, THE POWER FOR THE GRINDER PUMP STATION SHALL BE FED FROM THE NEW PANEL SBL. SPARE THE EXISTING BREAKER AT EXISTING PANEL 1M AND REMOVE ALL EXISTING CONDUIT/WIRING.
- CONNECT FLAG POLE LIGHTS INTO BUILDING PERIMETER LIGHTING CIRCUIT. MOUNT FIXTURE AS PER MANUFACTURER'S INSTRUCTIONS.

GENERAL NOTES:

- REFER TO SHEET E0-01 FOR NOTES, LEGEND AND ABBREVIATIONS.
- EXISTING SITE LIGHTING BY DUKE ENERGY.
- REFER TO CIVIL DRAWING C1-02 FOR SITE DEMOLITION AND EXISTING SITE CONDITIONS.
- ALL EXISTING UNDERGROUND UTILITIES SHALL BE LOCATED IN THE AREAS THAT WILL REQUIRE NEW WORK PRIOR TO PERFORMING ANY WORK.
- COORDINATE CONSTRUCTION PHASING WITH ARCHITECT.
- ALL NEW UNDERGROUND CONDUITS SHALL BE BURIED A MINIMUM OF 24" BELOW GRADE.