

SUPPLEMENT 1

Walton Schools District Office

Allstate Construction, Inc.

February 14, 2025

Bid Date Change

1. The bid date has been extended. The revised subcontractor bid due date is March 4, 2025, 2:00pm Eastern Time.

Schedule

2. For bid purposes, reference attached Construction Schedule dated February 13, 2025, along with Schedule Narrative.

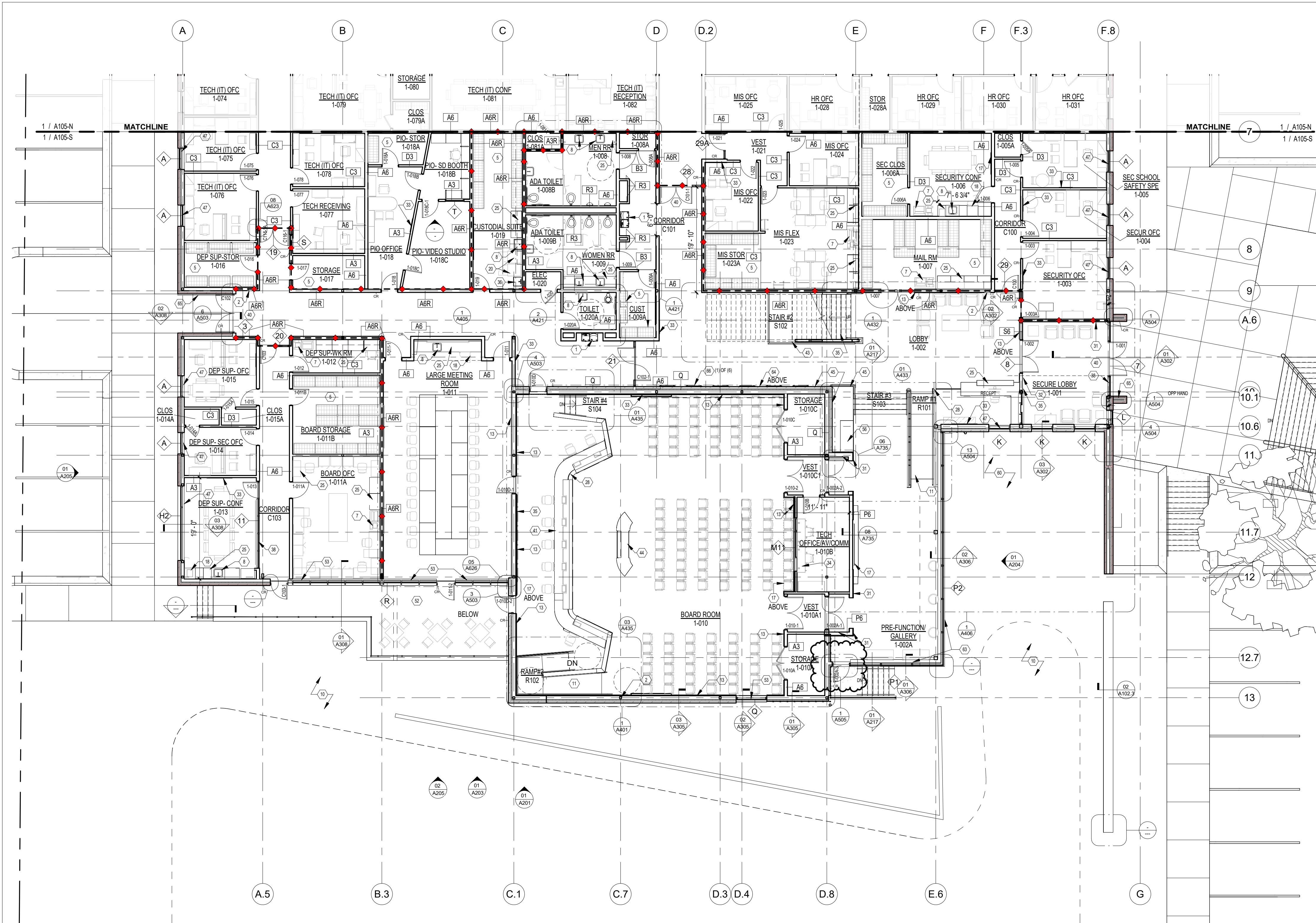
Architect's Addendum

3. Incorporate Architect's Addendum No. 1 which consists of:
 - Architect's Narrative
 - 14 Structural (S) drawings
 - 42 Architectural (A) drawings
 - 3 Fire Protection (FP) drawings
 - 8 Fire & Emergency (FE) drawings
 - 18 Plumbing (P) drawings
 - 19 Mechanical (M) drawings
 - 3 Instrumentation & Controls (IC) drawings
 - 4 Electrical (E) drawings
 - 18 Telecommunications (T) drawings
 - 6 Access Control (ACS) drawings
 - 3 Security (SEC) drawings

Scopes of Work

4. ~~The following bid package scopes of work (dated _____) have been posted to plan room website. Complete this checklist and include it with the Bid Proposal form.~~ These will be posted next week in a separate supplement.

END OF SUPPLEMENT



FIRST FLOOR PLAN - ENLARGED SOUTH
 3/32" = 1'-0"
 NORTH

CONSTRUCTION NOTES:

1. PROVIDE DUAL ELECTRIC WATER COOLER WITH HYDRATION STATION
2. FIRE EXTINGUISHER AND CABINET (MOUNT TOP AT 48" AFF)
3. BRACKET MOUNTED FIRE EXTINGUISHER (MOUNT TOP AT 48" AFF)
4. BROOM AND MOP HOLDER, COORD. W/ PLUMBING DRAWINGS & SPECS
5. STEEL SHELVING UNIT WITH ADJUSTABLE STEEL SHELVES, 12" DEEP (SEE PLAN AND/OR ELEVATIONS FOR SIZE)
6. FURNITURE (TYP) (NIC)
7. COPIER (NIC)
8. SINK
9. ENDURA MRL 4500 HYDRAULIC SERVICE ELEVATORS CAB INTERIOR - SWL STEEL VERTICAL PANELS W/ PORCELAIN TILE FLOOR
10. OPEN GREEN SPACE (COURTYARD)
11. RAMP
12. MOBILE PEDESTAL
13. ACOUSTICAL WALL PANELS. SEE INTERIOR ELEVATIONS
14. FOOD SERVICE EQUIPMENT (CAFE)
15. ACCENT PAINT LOCATION
16. ACCENT PAINT TERMINATION (SEE FINISH SCHEDULE)
17. VIDEO DISPLAY SCREENS
18. UNDER COUNTER REFRIGERATOR (NIC)
19. REFRIGERATOR (NIC)
20. WASHER AND DRYER (NIC)
21. ICEMAKER (NIC)
22. MICROWAVE (NIC)
23. DISHWASHER (NIC)
24. COFFEE MAKER (NIC)
25. MILLWORK (SEE INTERIOR ELEVATIONS)
26. LATERAL FILE CABINETS
27. FLAT FILE DRAWERS
28. LOW WALL WITH CAP
29. GLASS MARKER BOARD (SEE PLAN AND/OR ELEVATIONS FOR SIZE)
30. TACKBOARD (SEE PLAN AND/OR ELEVATIONS FOR SIZE)
31. WOOD PANELED ACCENT WALL (SEE INTERIOR ELEVATIONS AND SPECS)
32. ALUM SCHOOL DISTRICT LOGO (SEE INTERIOR ELEVATIONS AND SPECS)
33. FLAT PANEL DISPLAY. COORD. LOCATION AND INSTALLATION W/TECH AND AV SHEETS
34. SOUND TECH/CONTROL PANEL
35. ALUM LETTERS (SEE INTERIOR ELEVATIONS AND DETAILS)
36. CUSTODIAL MOP SINK
37. OFCL WALL PLAQUES AND AWARDS (SEE INTERIOR ELEVATIONS)
38. CLERESTORY STOREFRONT SYSTEM (SEE INTERIOR ELEVATIONS & SPECS)
39. STAIR W/ PORCELAIN RISERS/TREADS W/ EASED EDGE
40. HEAVY DUTY ENTRANCE MAT (4' x 6')
41. CUSTOM WOOD DASH CABINETS W/ POWER FOR PERSONAL VIDEO SCREEN, MICROPHONE SPEAKER DISCUSSION SYSTEM, DIGITAL MOUSE AND KEYBOARD (SEE INTERIOR ELEVATIONS AND SPECS)
42. PAINTED BRICK PLANTER (SEE INTERIOR ELEVATIONS AND DETAILS)
43. DECORATIVE WOOD PANELS W/ HANDRAIL (SEE STAIR ELEVATIONS AND DETAILS)
44. CUSTOM WOOD PODIUM W/ POWER AND CONNECTIONS FOR COMPUTER, MICROPHONE SPEAKER DISCUSSION SYSTEM, DIGITAL MOUSE AND KEYBOARD (SEE INTERIOR ELEVATIONS AND SPECS)
45. INTERIOR BRICK WALL (SEE INTERIOR ELEVATIONS AND DETAILS)
46. LIGHTING BOLLARD (SEE ELEVATIONS AND MPE DWGS)
47. WINDOW SUN SHADING SYSTEM (SEE ARCH SPECS)
48. ALUMINUM FENCE AND GATE SYSTEM (SEE ELEVATIONS & SPECS)
49. FLOOR BOX (SEE ELECTRICAL AND COMMUNICATION SHEETS)
50. ARTIFICIAL TURF GRASS AS SPECIFIED
51. EXTERIOR COURTYARD EGRESS DOOR (SEE SPECIFICATIONS)
52. EXTERIOR BENCH AND TRASH CANS (SEE SPECIFICATIONS)
53. MOTORIZED SHADE W/ BLACKOUT
54. BASE TERMINATION AT COLUMN (SEE FINISH SCHEDULE)
55. ART MURAL
56. CUSTOM BUILT-IN BENCH W/ CUSHIONS
57. DISPLAY CASE
58. ALUM FENCE WITH GATE
59. VINYL FENCING WITH GATE
60. LANDSCAPING (TYP)
61. CONCRETE WALKWAY
62. VENDING MACHINE (NIC)
63. MOTORIZED SHADE
64. CUSTOM MAP PANEL (SEE INTERIOR ELEVATIONS)
65. KNOX BOX
66. DECORATIVE ACRYLIC RECOGNITION PANELS ON METAL STAND-OFFS (SEE INTERIOR ELEVATIONS)
67. SUPER GRAPHICS (SEE INTERIOR ELEVATIONS)
68. POLYMER SHELVING UNIT WITH ADJUSTABLE STEEL SHELVES, 18" x 24" DEEP - SEE ELEVATIONS-N.I.C.
69. EXTEND WALLS TO UNDERSIDE OF ROOF DECK
70. CONCRETE STOOP
71. CONCRETE PAD FOR HVAC EQUIPMENT
72. TERMINATION POINT FROM ARCHITECTURAL CONCRETE MASONRY TO PAINTED BRICK
73. STAINLESS STEEL COUNTER
74. WALL OF FLATSCREENS JUST BELOW CEILING
75. ROOF ACCESS LADDER
76. MECH. RM. ACOUSTICAL WALL PANELS

77. -
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89. -
90. -



ARCHITECTURE
 PLANNING INTERIORS
 GRAPHICS

ELLIOTT MARSHALL BINES P.A. (EMI architects)
 231 E. 7TH AVENUE, TALLAHASSEE FL 32303
 (850) 222-7442
 www.emiarch.com
 LICENSE #A-000049 IB 0200153

NOTE:
 11" x 17" SHEETS ARE PLOTTED AT 1/2 THE SCALE NOTED ON THESE DRAWINGS

WCSD EDUCATIONAL ANCILLARY FACILITIES - DISTRICT OFFICE

RECEIVED
 ALLSTATE CONSTRUCTION
 02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

FLOOR PLAN GENERAL NOTES:

1. REFER TO SHEETS G101, G102, AND G103 FOR PARTITION/WALL TYPE INFORMATION.
2. PROVIDE ALUMINUM THRESHOLD WITH VINYL SEAL AT ALL EXTERIOR DOORS INCLUDING ROLL UP DOORS.
3. REFER TO SHEET A601 FOR DOOR SCHEDULE.
4. SEE ELECTRICAL DRAWINGS AND LIFE SAFETY PLANS FOR EXIT SIGN LOCATIONS.
5. REFER TO ELECTRICAL SHEETS FOR FIRE ALARM, PULL, CONTROL PANEL, HORN LOCATIONS.
6. REFER TO FLOOR PLANS, ELECTRICAL PLANS AND ARCHITECTURAL ELEVATIONS FOR LOCATION OF LIGHT FIXTURES AND DEVICES.

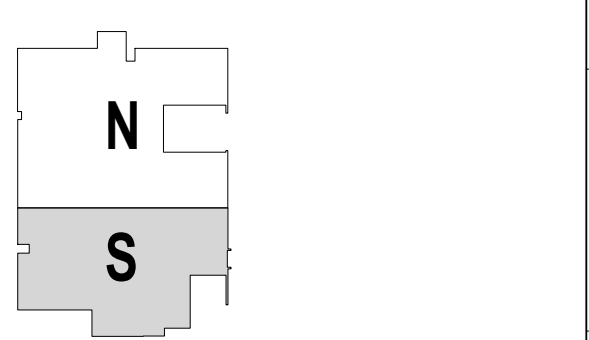
7. REFER TO LIFE SAFETY PLAN SHEETS (LS101 - LS104) FOR APPROPRIATE RATINGS AT DOORS, WALLS, AND CEILING.
8. BUILDING SQUARE FOOTAGE CALCULATIONS ARE TAKEN TO FINISH OF INTERIOR WALLS.
9. WALL BLOCKING SHALL BE PROVIDED FOR ALL SHELVING UNITS, HANGING SYSTEMS, LOCKERS, MIRRORS, TOILET ACCESSORIES, TACK AND MARKER BOARDS, INTERACTIVE FLAT PANELS, FLAT PANELS, ETC.
10. SEE SPECIFICATIONS FOR ALL APPLIANCES TO BE PROVIDED BY THE GENERAL CONTRACTOR.
11. REFER TO SPECIFICATIONS FOR WINDOW COVERING INFORMATION AND SPECIFIC LOCATIONS.

12. ELECTRIFIED HARDWARE TO BE COORDINATED WITH ACS SHEETS, DOOR SCHEDULE, SPECIFICATIONS AND ELECTRICAL DRAWINGS.
13. THIS BUILDING IS A THRESHOLD BUILDING. REFER TO STRUCTURAL DRAWINGS.

RATED WALL LEGEND

- SMOKE RATED PARTITION**
- 1 HR RATED FIRE BARRIER**
- 2 HR RATED FIRE WALL**

KEY PLAN



PROJECT PHASE CONSTRUCTION DOCUMENTS	
DATE 15 JANUARY 2025	DRAWN BY RMP
PROJECT NO 68100	CHECKED BY
SHEET TITLE FIRST FLOOR PLAN - ENLARGED SOUTH	
SHEET NO A105-S	REV NO 1

DEPARTMENT LEGEND

- BOARD ROOM
- COMMUNAL
- COMMUNITY
- CURRICULUM & INSTRUCTION
- DATA ANALYSIS
- DEPUTY SUPERINTENDENT
- FACILITIES
- FEDERAL PROGRAMS
- FINANCE
- FOOD SERVICE
- HUMAN RESOURCES
- INSTRUCTIONAL SUPPORT
- MATH/SCIENCE
- MIS
- PIO
- SAFETY & SECURITY
- STUDENT SERVICES
- SUPERINTENDENT'S SUITE
- TECHNOLOGY
- VIRTUAL PROGRAMS
- VOLUNTEER PROGRAMS

ROOM SCHEDULE

Name	Area
ADA TOILET	61 SF
ADA TOILET	61 SF
CORRIDOR	226 SF
CORRIDOR	543 SF
CORRIDOR	553 SF
CORRIDOR	963 SF
CORRIDOR	107 SF
DATA	67 SF
ELEC #1	111 SF
ELEV #1	67 SF
MECHELEC	547 SF
MECHANICAL	387 SF
MEN RR	123 SF
STAR #1	228 SF
STOR	52 SF
STOR	228 SF
WOMEN RR	123 SF
COMMUNAL	
CUSTODIAL	39 SF
CURRICULUM & INSTRUCTION	
CAI F FLEX OFC	496 SF
CAI CONF	341 SF
CAI CURRICULUM COOR	194 SF
CAI MATH SPEC	164 SF
CAI OFFICE	174 SF
CAI STOR	440 SF
CAI SUPERVISOR	192 SF
CAI TSAPROJ SPEC	129 SF
CLOS	18 SF
CLOS	22 SF
MULTIPURP WORK RM	283 SF
RECEP WAIT	339 SF
STORAGE RM	153 SF
FEDERAL PROGRAMS	
CLOS	11 SF
CLOS	11 SF
CLOS	11 SF
CLOS	11 SF
CLOS	11 SF
CLOS	11 SF
CLOS	13 SF
PP BREAKOUT	263 SF
PP CURRIC COOR	222 SF
PP OFC	139 SF
PP OFC	144 SF
PP OFC	143 SF
PP OFC	148 SF
PP OFC	148 SF
PP OFC	152 SF
INSTRUCTIONAL SUPPORT	
CLOS	38 SF
IS-INSTRUCT SUPP	231 SF
MATH/SCIENCE	
CLOS	13 SF
MS CLOSET	69 SF
MS FLEX OFC	214 SF
MS 3 FLEX OFC	564 SF
MS CLARK COOR	228 SF
MS OFC	143 SF
MS STOR	203 SF
MS WORK RM	188 SF
MS OFC	148 SF
MS OFC	141 SF
PIO	
VEST	42 SF
VEST	42 SF
STUDENT SERVICES	
SEC CLOS	24 SF
SS-CLARK COORD	147 SF
SS- OFC	113 SF
SS- OFC	113 SF
SS- OFC	134 SF
SS- OFC	137 SF
SS- STOR	185 SF
SS- OFC	112 SF
SUPERINTENDENT'S SUITE	
GALLERY	Redundant Room
SUP BOARD SECRETARY	261 SF
SUP BREAKOUT	259 SF
SUP CLOS	34 SF
SUP CONF	462 SF
SUP FLOAT/PUBLIC	226 SF
SUP RECEPTION	383 SF
SUP RESTROOM	68 SF
SUP SEC OFC	177 SF
SUP SUPERINTEND OFC	383 SF
SUP WORK STG	243 SF
VEST	57 SF
WH	15 SF
VIRTUAL PROGRAMS	
CLOS	11 SF
VP-VIRTUAL PROGRAMS	187 SF
VOLUNTEER PROGRAMS	
CLOS	28 SF
VP-VOLUNT PROGRAMS	193 SF
Grand total BS	17122 SF

NOTE:
1. SPACE DESIGNATIONS AND ASSOCIATED AREA ALLOCATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHOULD VERIFY THESE SQUARE FOOTAGE NUMBERS IF THEY ARE TO BE UTILIZED FOR CALCULATING THE OVERALL BUILDING SIZE



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NOTE:
11' x 17" SHEETS ARE PLOTTED AT 1/2 THE SCALE NOTED ON THESE DRAWINGS

**WCSD EDUCATIONAL
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DISTRICT OFFICE**

**RECEIVED
ALLSTATE CONSTRUCTION
02-13-2025**

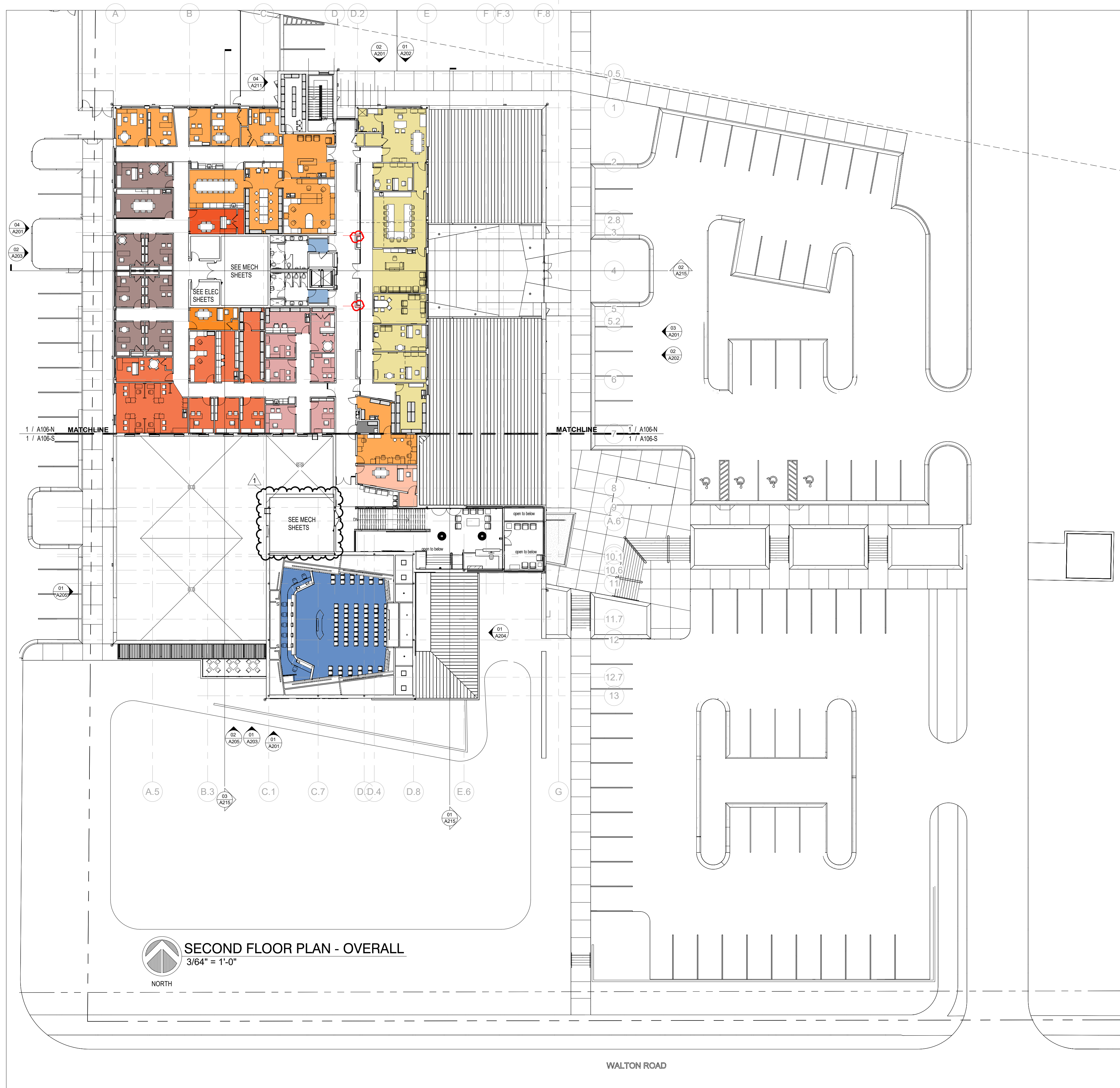
REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

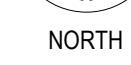
DATE 15 JANUARY 2025	DRAWN BY RMP
PROJECT NO 68100	CHECKED BY

SHEET TITLE
**SECOND FLOOR PLAN -
OVERALL**

SHEET NO A106	REV NO 1
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SECOND FLOOR PLAN - OVERALL
3/64" = 1'-0"



WALTON ROAD

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SHEET TITLE
**1ST FLOOR REFLECTED
CEILING PLAN -
ENLARGED NORTH**

SHEET NO	REV NO
A131-N	1

NOTE:

REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE
PROTECTION PLANS FOR SPECIFIC NOTES REGARDING ALL
DEVICES, FIXTURES, DIFFUSERS, GRILLES, ETC.

REFLECTED CEILING LEGEND:

- GWB CEILING
- LAY-IN ACOUSTICAL CLG
- NO CEILING - EXPOSED UNDERSIDE OF STRUCTURE
- SYNTHETIC STUCCO (LIMESTONE FINISH)
- VARIABLE REFRIGERANT VOLUME UNIT
- CEILING DIFFUSER
- CEILING RETURN
- CEILING EXHAUST
- LINEAR DIFFUSER
- LINEAR SIDEWALL DIFFUSER
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- WALL MOUNTED FIXTURE
- WALL MOUNTED EMERGENCY FIXTURE
- LINEAR PENDANT FIXTURE
- ACCESS PANEL
- SPRINKLER PENDANT TO BE LOCATED AT CENTER OF ALL ACT
- F FIRE ALARM SPEAKER/ HORN STROBE
- M MOTION DETECTOR
- S SPEAKER
- S SMOKE DETECTOR
- CEILING MOUNTED EXIT LIGHT FIXTURE - PROVIDE ARROWS WHERE SHOWN SHADING INDICATES # OF FACES
- WALL EXIT LIGHT FIXTURE - PROVIDE ARROWS WHERE SHOWN SHADING INDICATES # OF FACES
- DUCTLESS SPLIT SYSTEM



1 / A131-N MATCHLINE
1 / A131-S

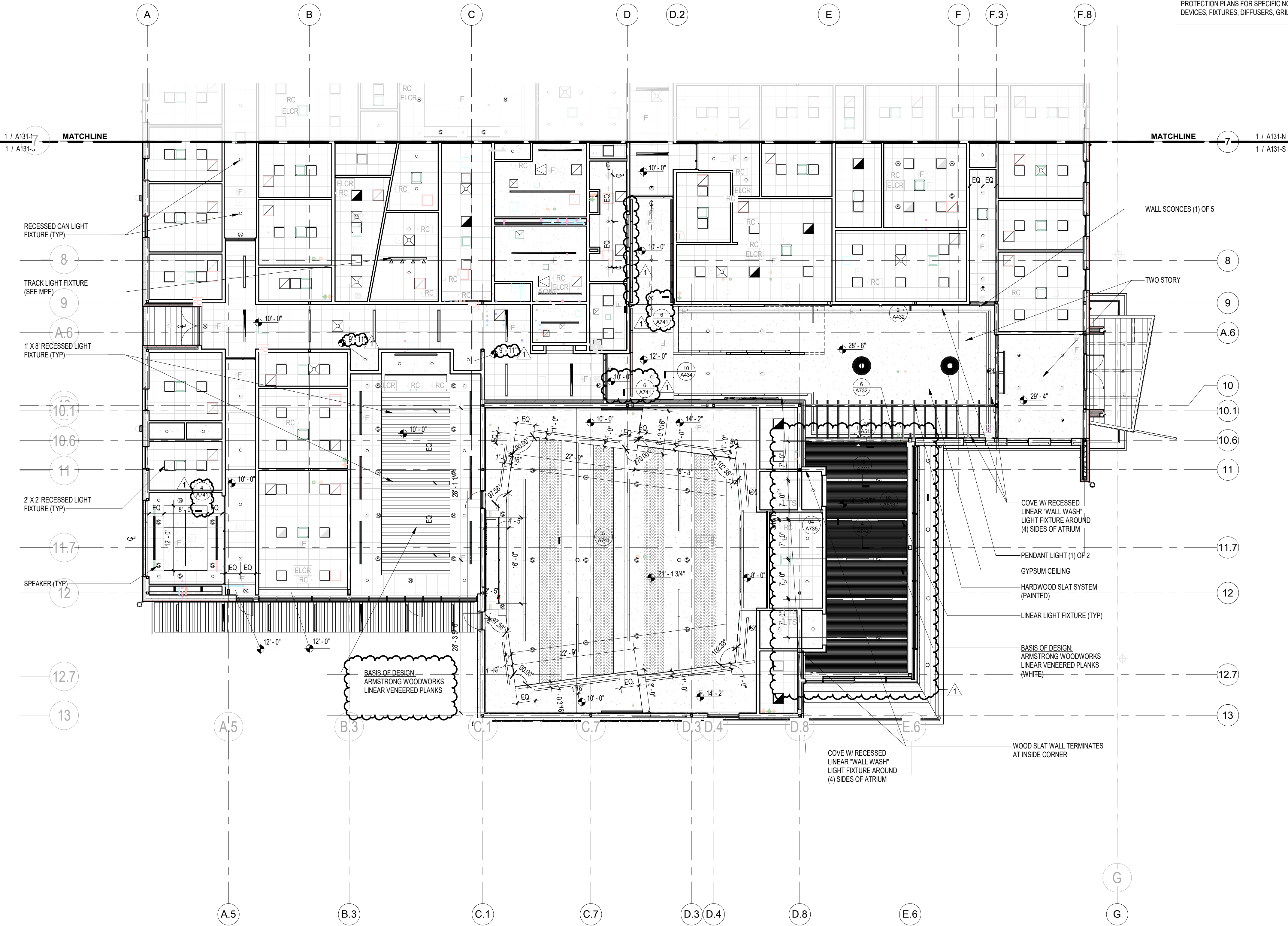
MATCHLINE 7
1 / A131-N
1 / A131-S

1st Floor Reflected Ceiling Plan -Enlarged North
3/32" = 1'-0"
NORTH

KEY PLAN

NOTE:
REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION PLANS FOR SPECIFIC NOTES REGARDING ALL DEVICES, FIXTURES, DIFFUSERS, GRILLES, ETC.

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1st Floor Reflected Ceiling Plan -Enlarged South
3/32" = 1'-0"
NORTH

KEY PLAN

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PROJECT PHASE	
CONSTRUCTION DOCUMENTS	
DATE	DRAWN BY
15 JANUARY 2025	RMP
PROJECT NO	CHECKED BY
68100	
SHEET TITLE	
1ST FLOOR REFLECTED CEILING PLAN - ENLARGED SOUTH	
SHEET NO	REV NO
A131-S	1

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PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE	15 JANUARY 2025	DRAWN BY	RMP
PROJECT NO	68100	CHECKED BY	

SHEET TITLE
**2ND FLOOR REFLECTED
CEILING PLAN -
ENLARGED NORTH**

SHEET NO	A132-N	REV NO	1
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2nd Floor Reflected Ceiling Plan - Enlarged North
3/32" = 1'-0"
NORTH

KEY PLAN

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CONSTRUCTION DOCUMENTS

DATE
15 JANUARY 2025

PROJECT NO
68100

SHEET TITLE
2ND FLOOR REFLECTED
CEILING PLAN -
ENLARGED SOUTH

DATE
15 JANUARY 2025

PROJECT NO
68100

SHEET NO
A132-S

REV NO
1

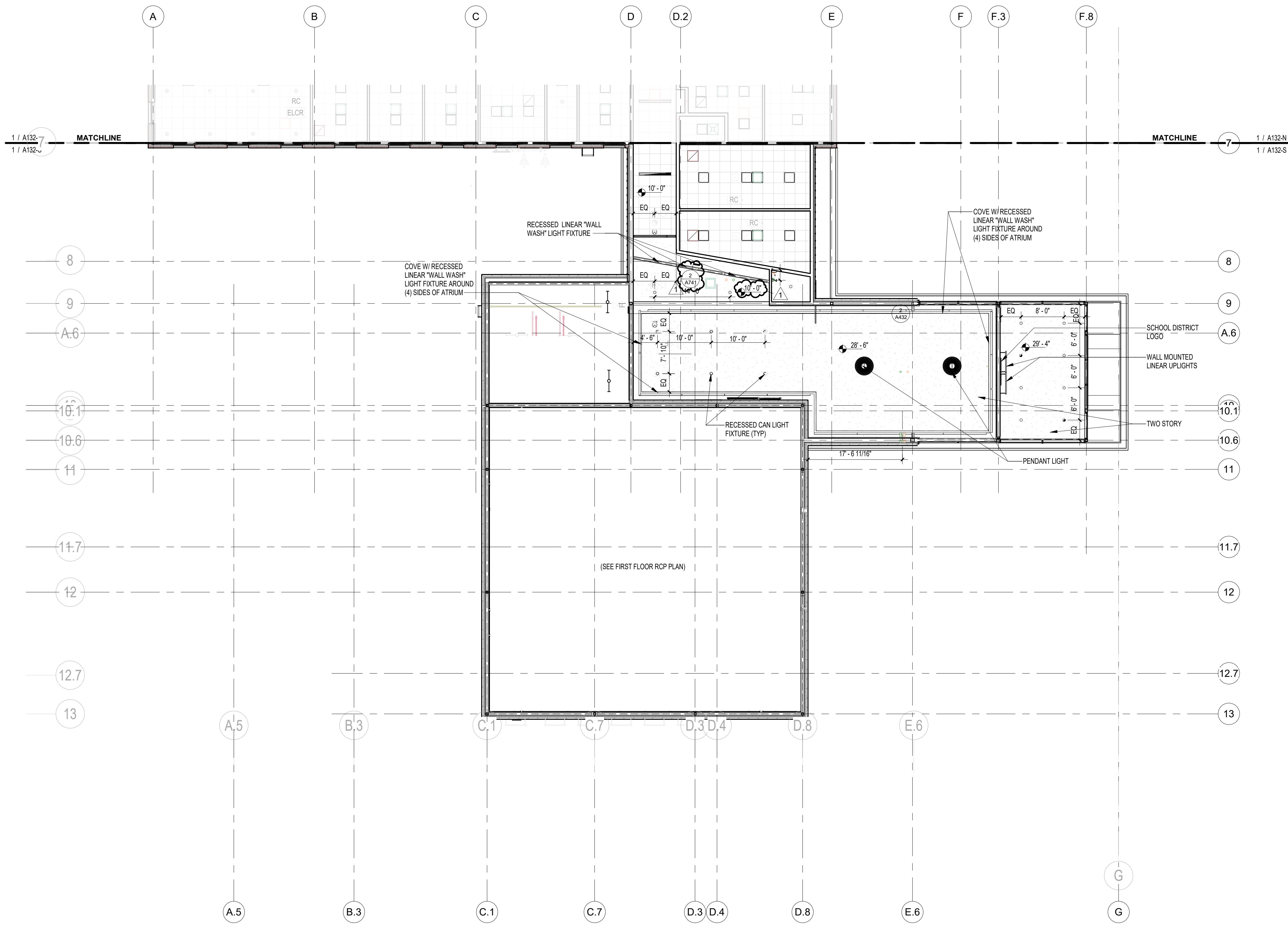
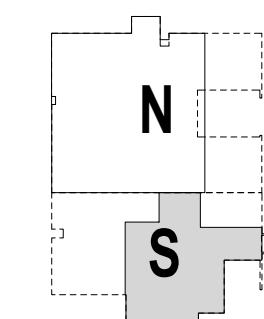
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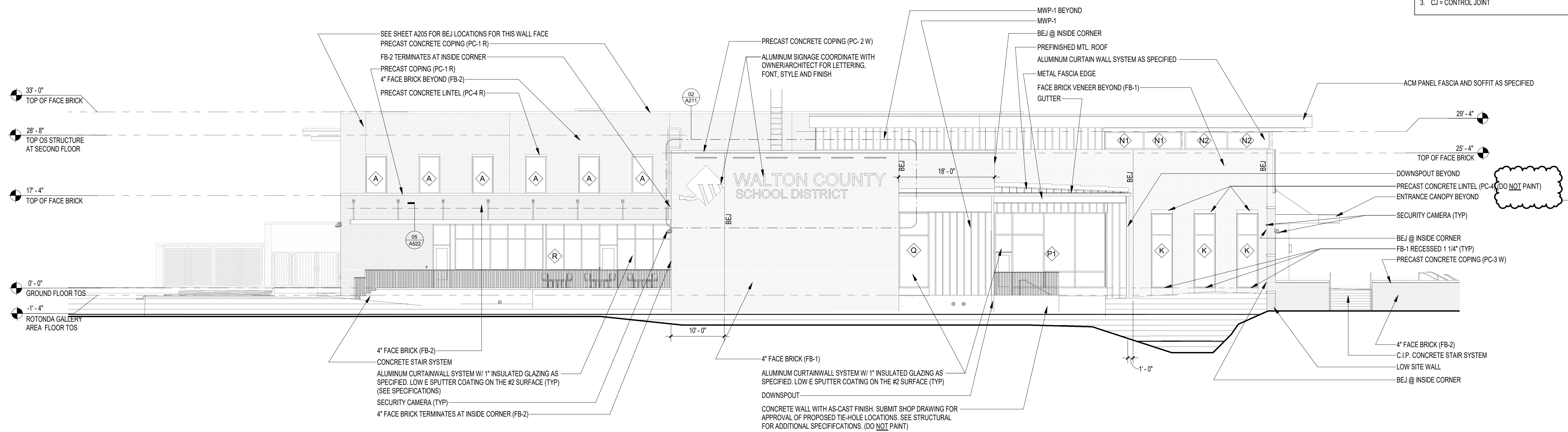
KEY PLAN



2nd Floor Reflected Ceiling Plan - Enlarged South
3/32" = 1'-0"

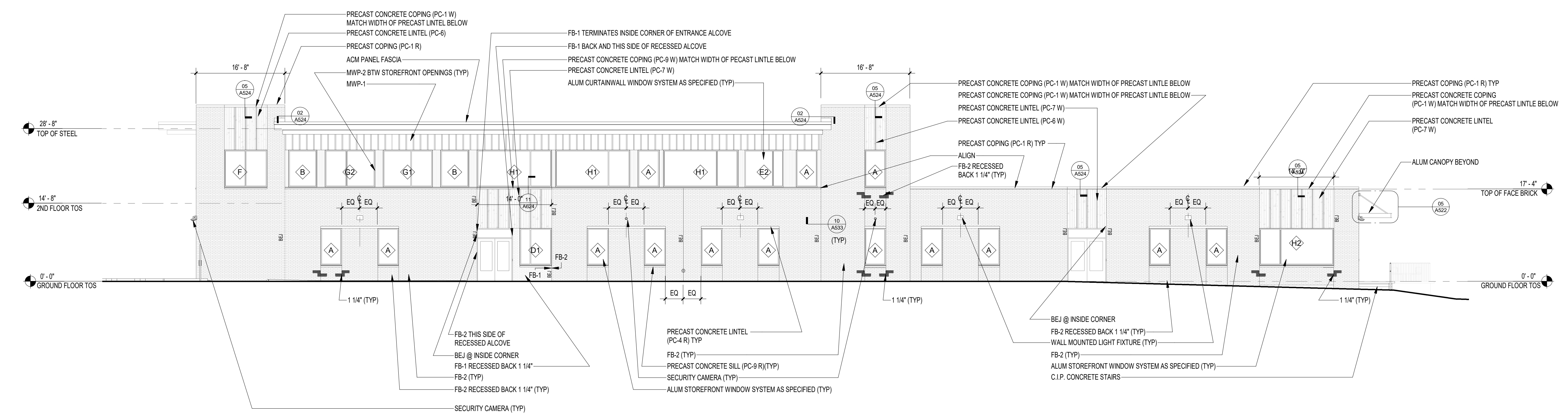
ELEVATION GENERAL NOTES / LEGEND:

1. BEJ = BRICK EXPANSION JOINT
2. BRA = BRICK RELIEVING ANGLE
3. CJ = CONTROL JOINT



01 SOUTH ELEVATION
A203 3/32" = 1'-0"

SOUTH ELEVATION



02 WEST ELEVATION
A203 3/32" = 1'-0"

WEST ELEVATION

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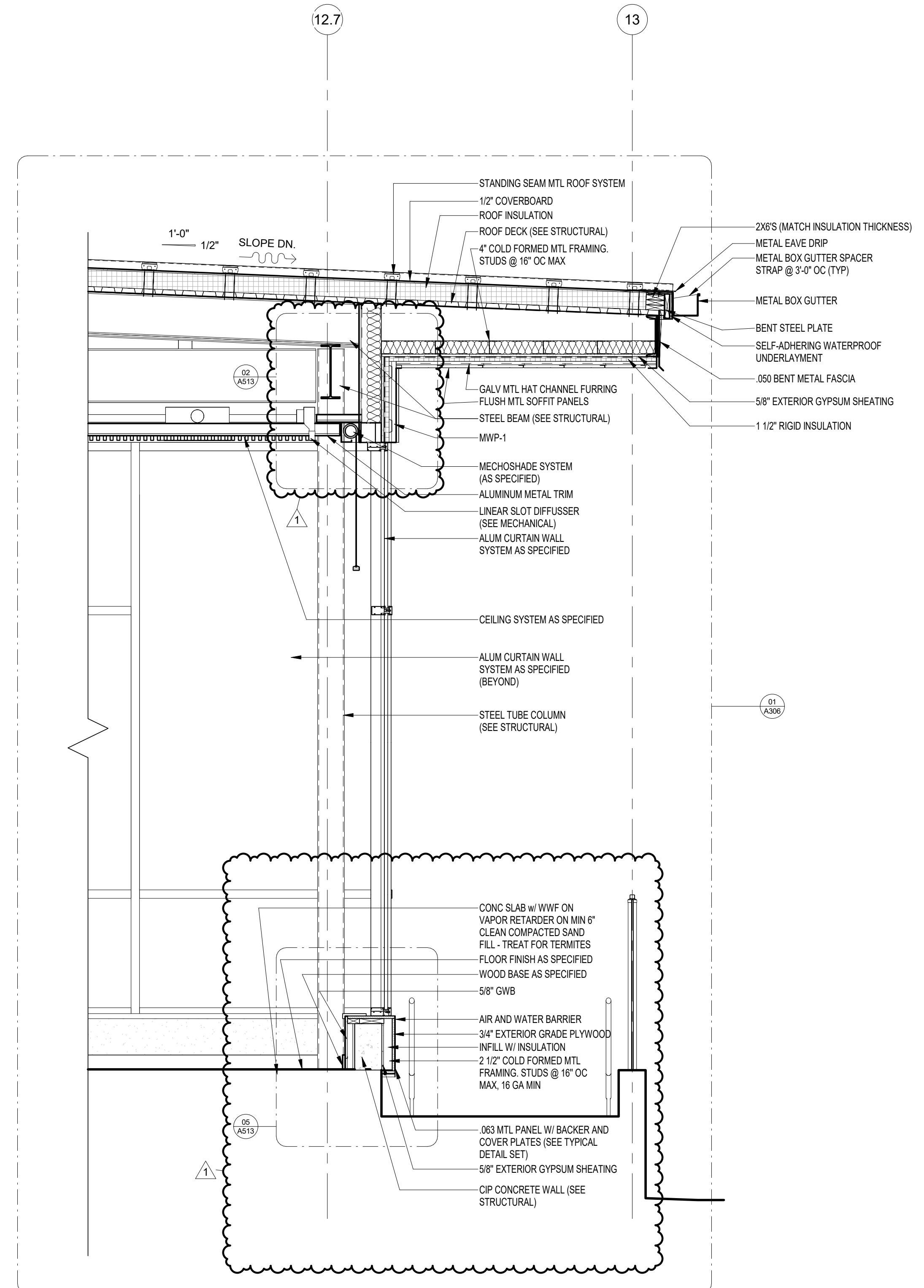
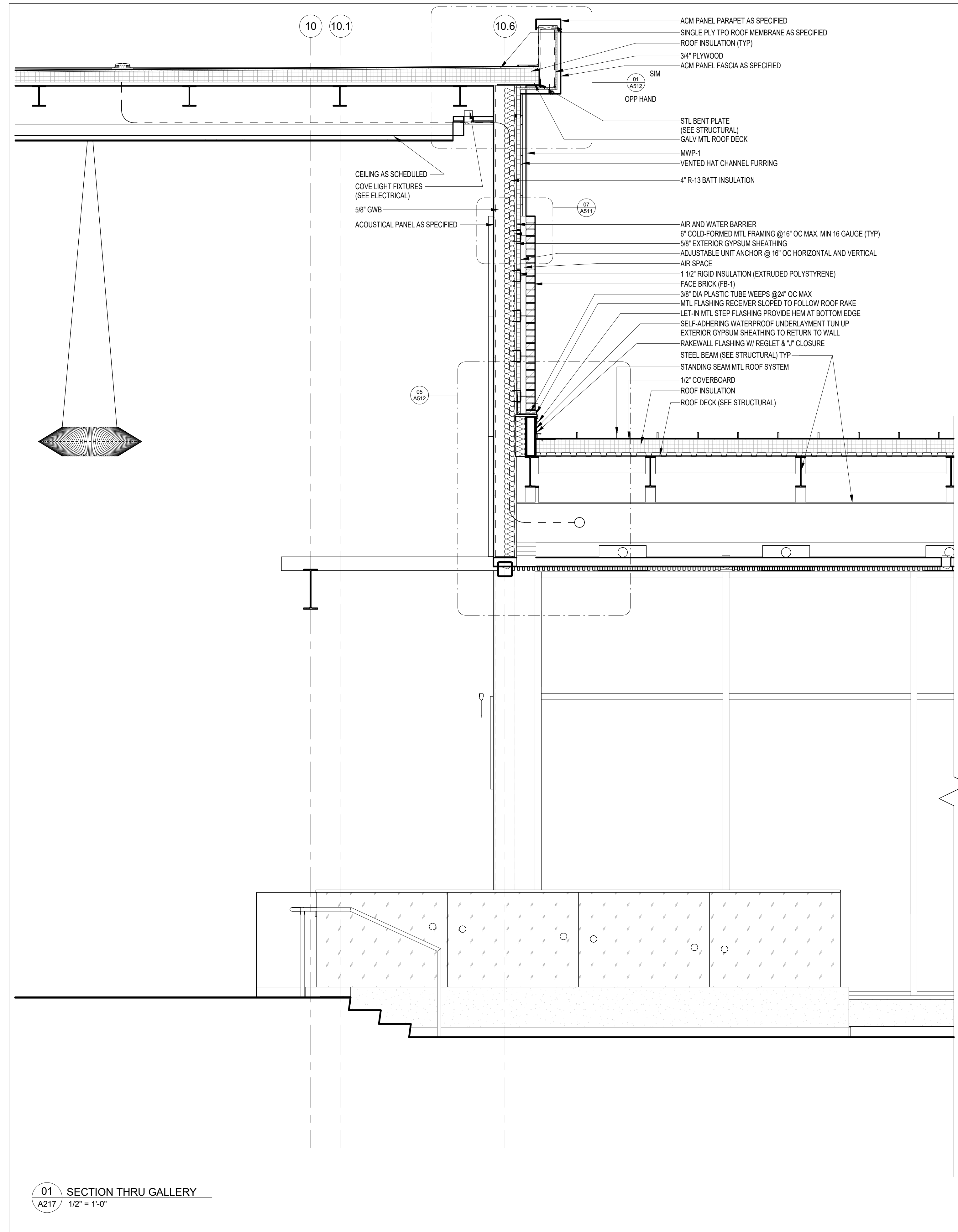
REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE 15 JANUARY 2025	DRAWN BY RMP
PROJECT NO 68100	CHECKED BY

SHEET TITLE
**BUILDING ELEVATIONS -
SOUTH AND WEST**

SHEET NO A203	REV NO 1
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NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS

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PROJECT PHASE
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DATE	15 JANUARY 2025	DRAWN BY	RMP
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SHEET TITLE
BUILDING SECTIONS

SHEET NO	A217	REV NO	1
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01 SECTION THRU GALLERY
A217 1/2" = 1'-0"

NOTE:
11' x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS

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02-13-2025

REV	DATE	DESCRIPTION
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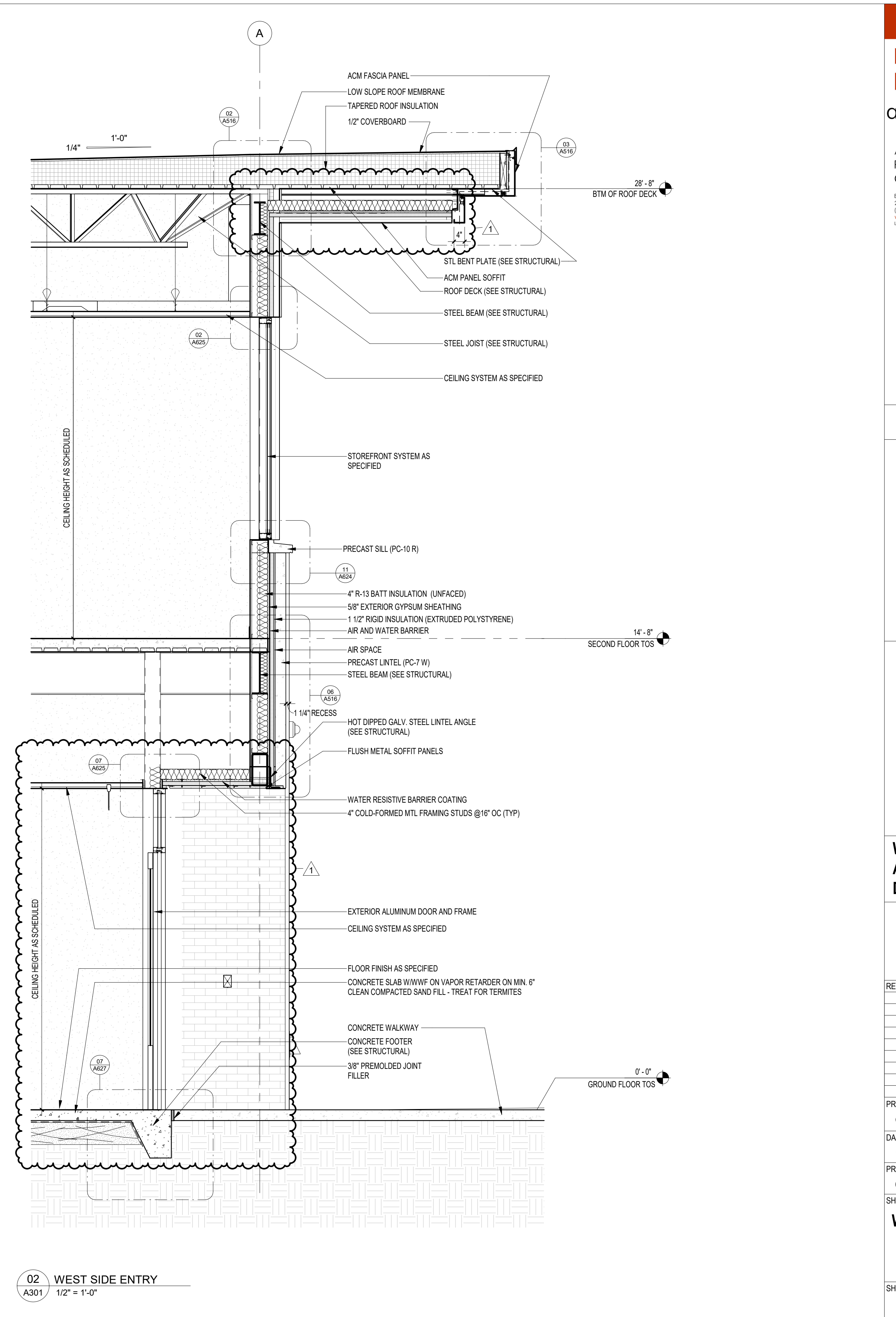
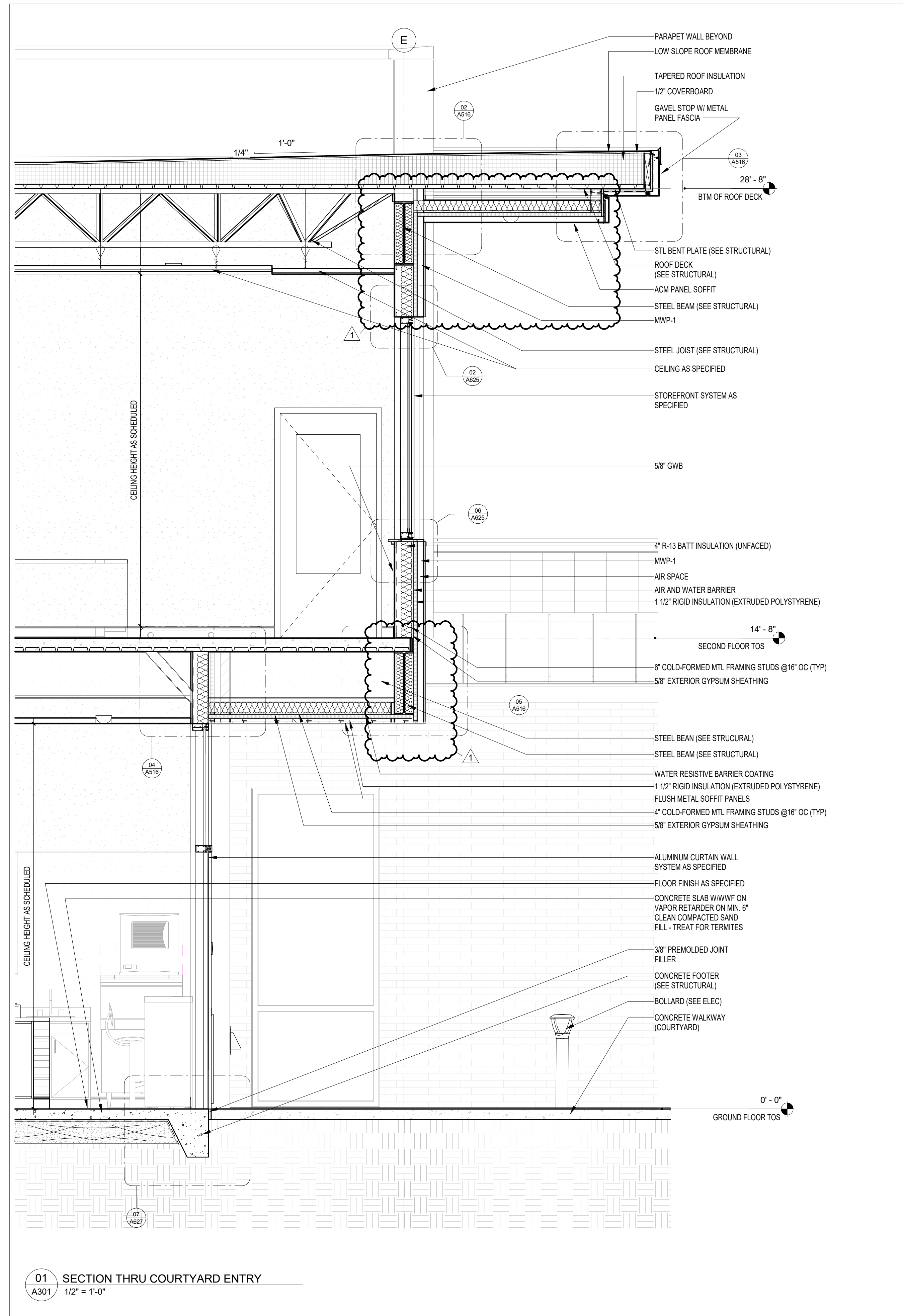
PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE	DRAWN BY
15 JANUARY 2025	RMP
PROJECT NO	CHECKED BY
68100	BI

SHEET TITLE

WALL SECTIONS

SHEET NO	REV NO
A301	1



01 SECTION THRU COURTYARD ENTRY
A301 1/2" = 1'-0"

02 WEST SIDE ENTRY
A301 1/2" = 1'-0"

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS

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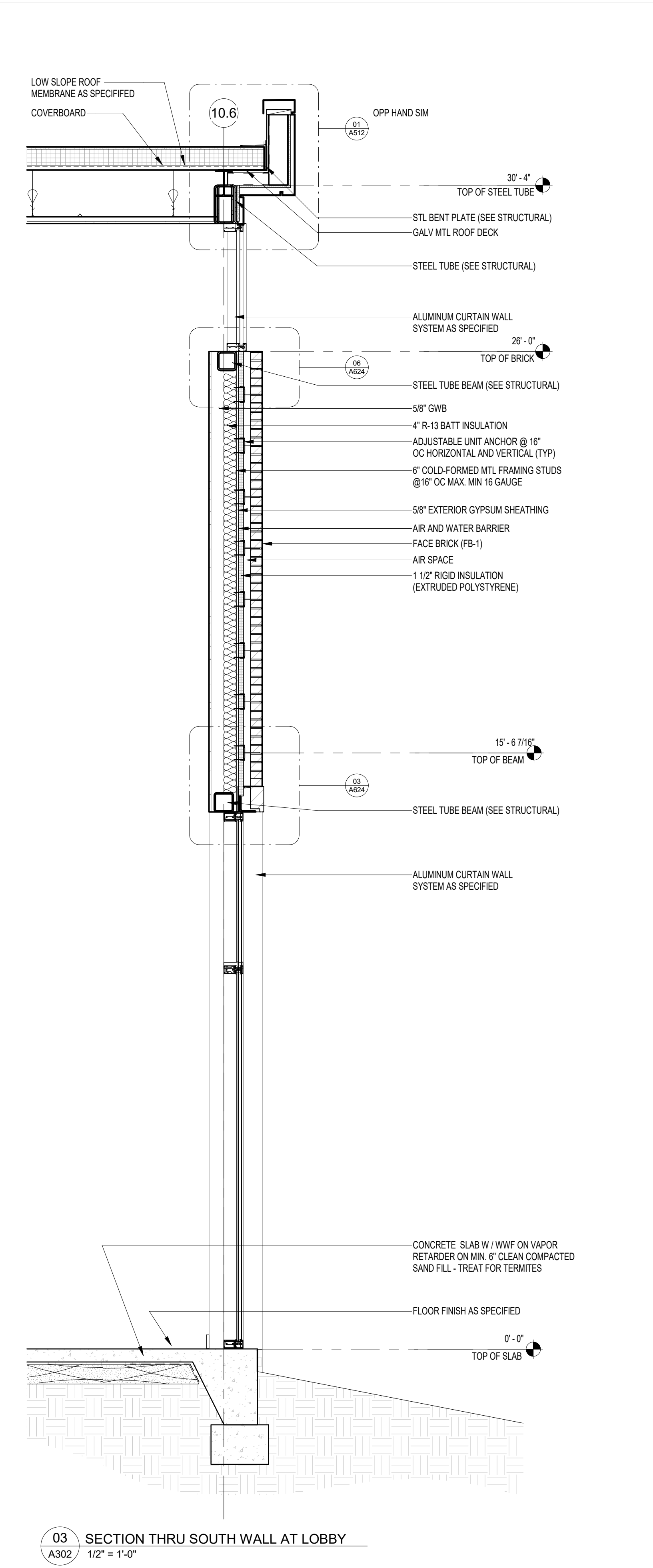
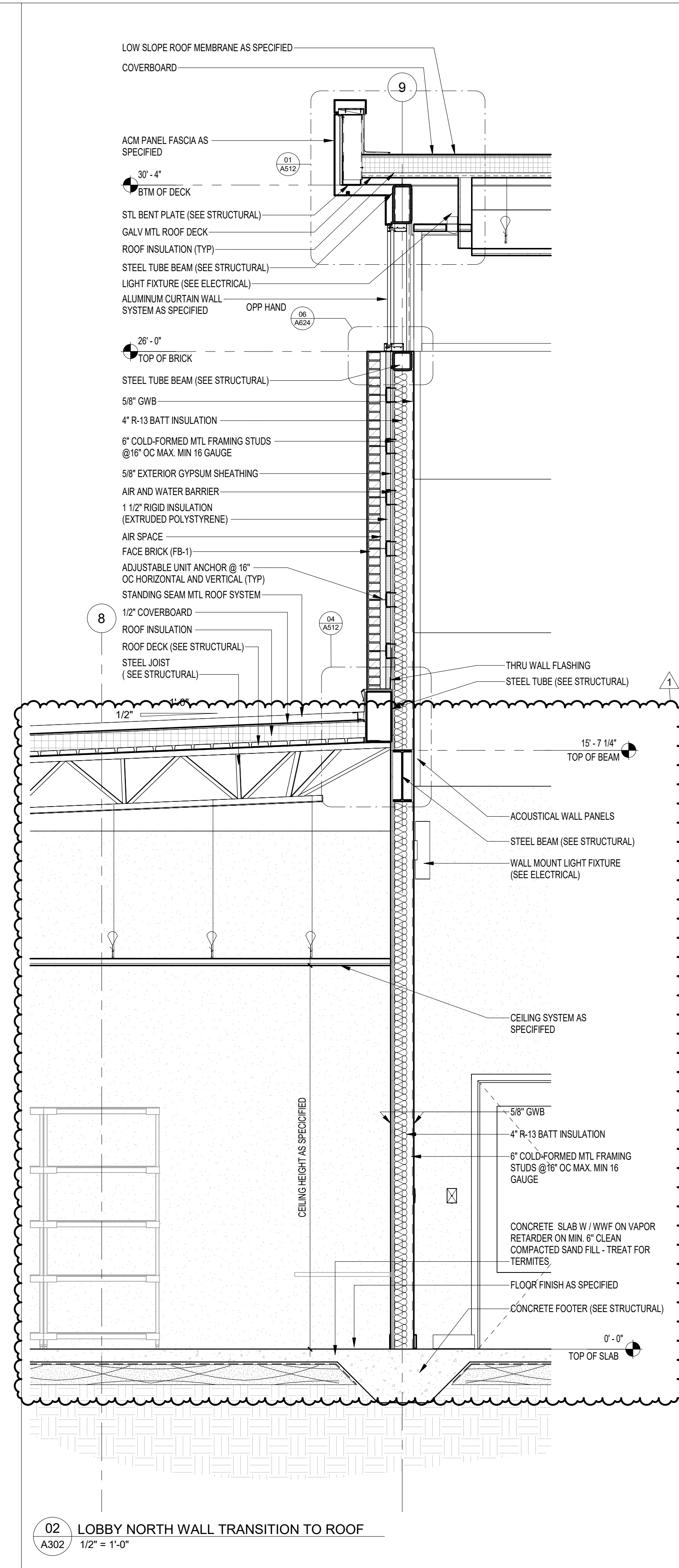
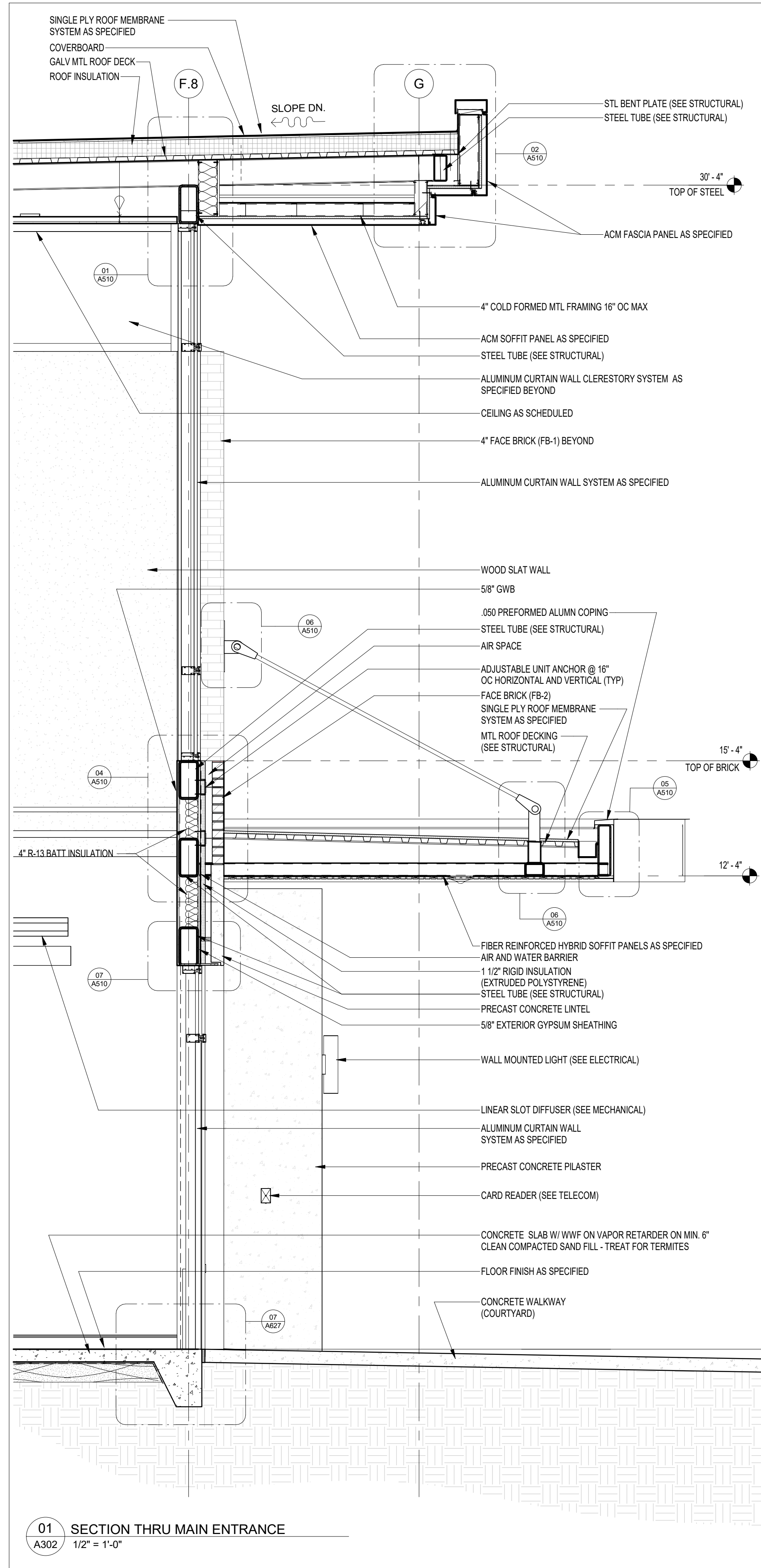
REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE	15 JANUARY 2025	DRAWN BY	RMP
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SHEET TITLE
WALL SECTIONS

SHEET NO	A302	REV NO	1
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01 SECTION THRU MAIN ENTRANCE
1/2" = 1'-0"

02 LOBBY NORTH WALL TRANSITION TO ROOF
1/2" = 1'-0"

03 SECTION THRU SOUTH WALL AT LOBBY
1/2" = 1'-0"

NOTE:
11' x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS

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CONSTRUCTION DOCUMENTS

DATE
15 JANUARY 2025

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RMP

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SHEET TITLE

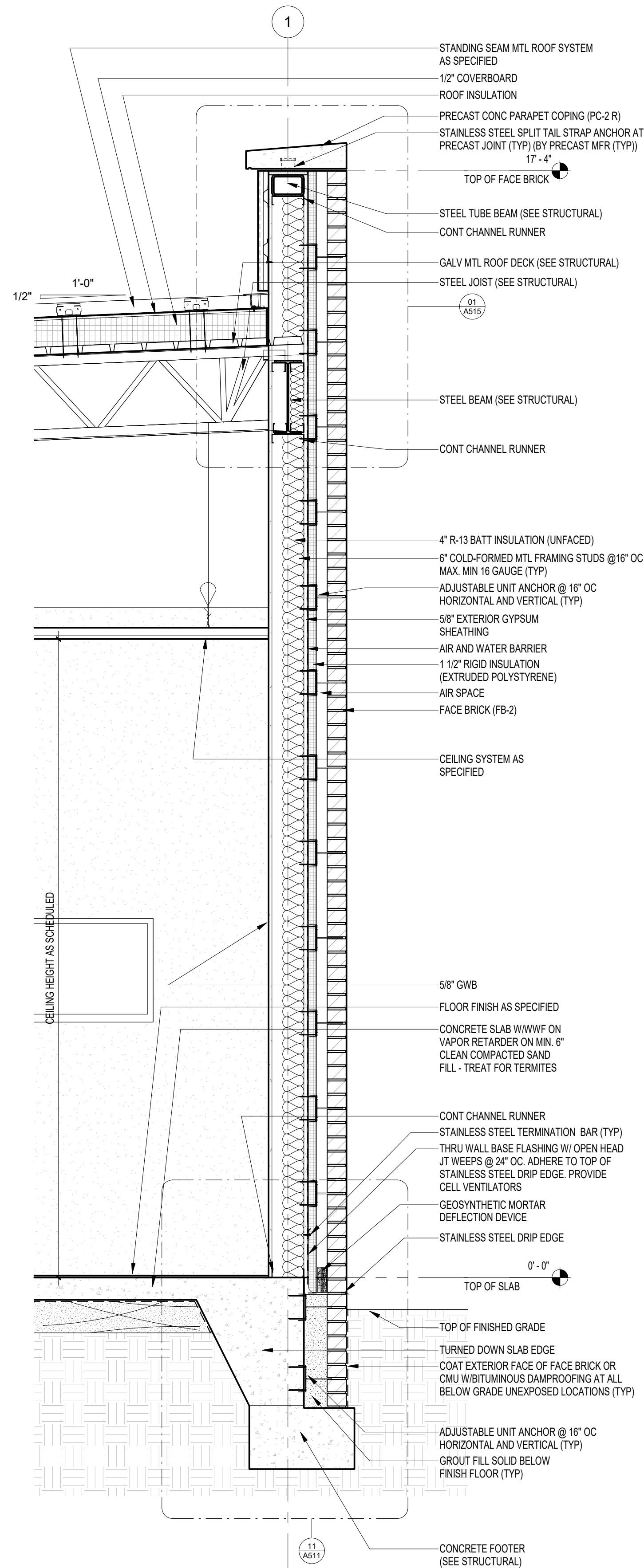
WALL SECTIONS

SHEET NO

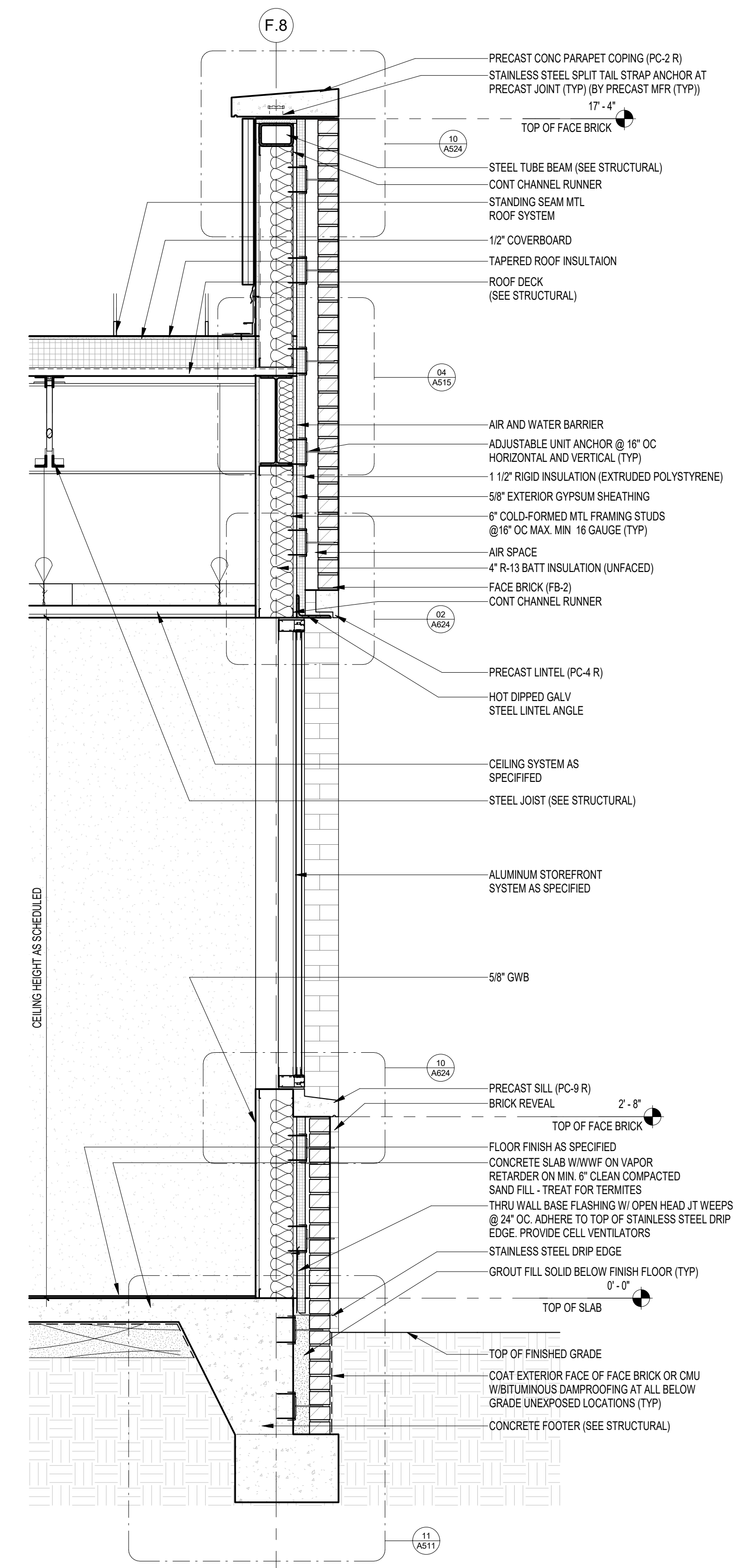
A303

REV NO

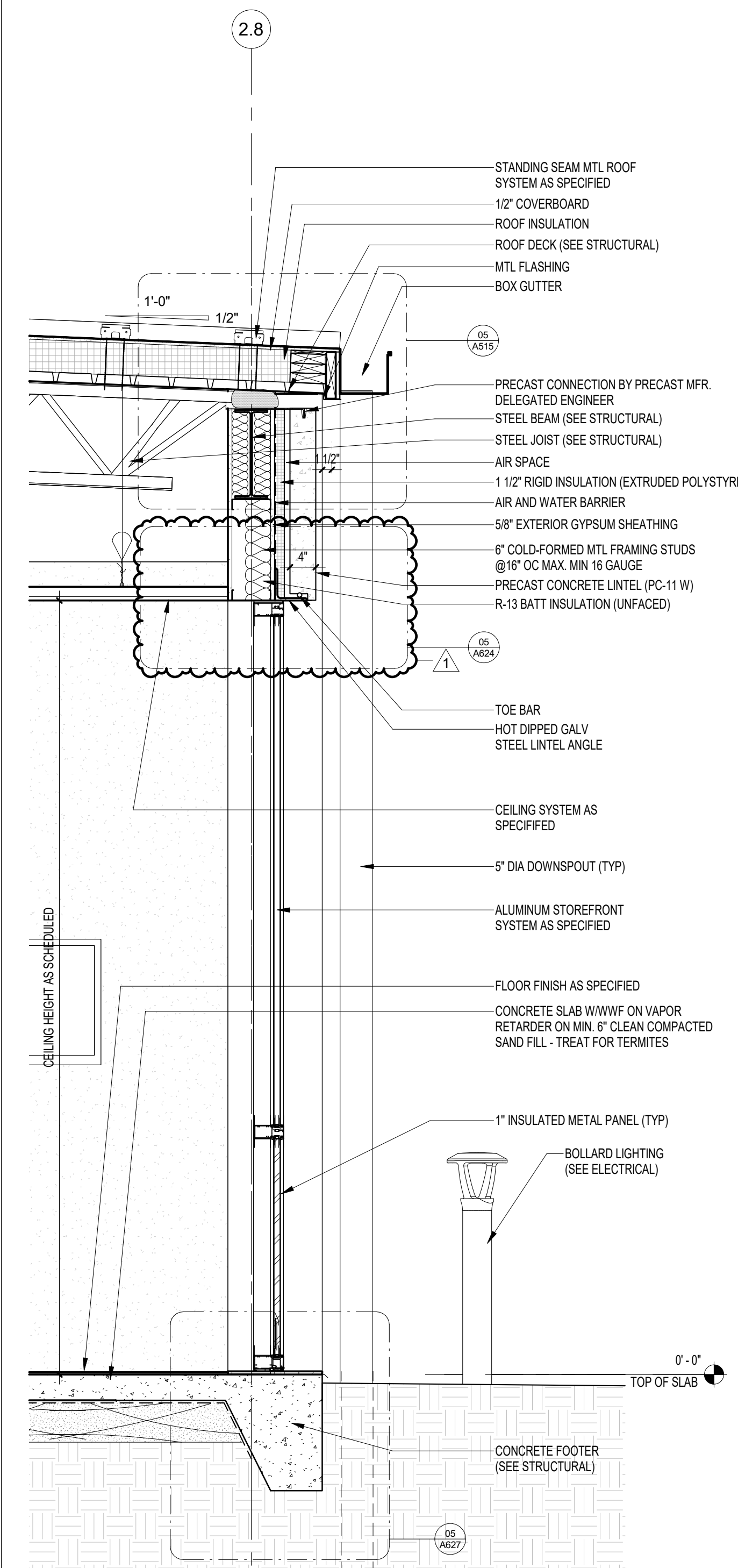
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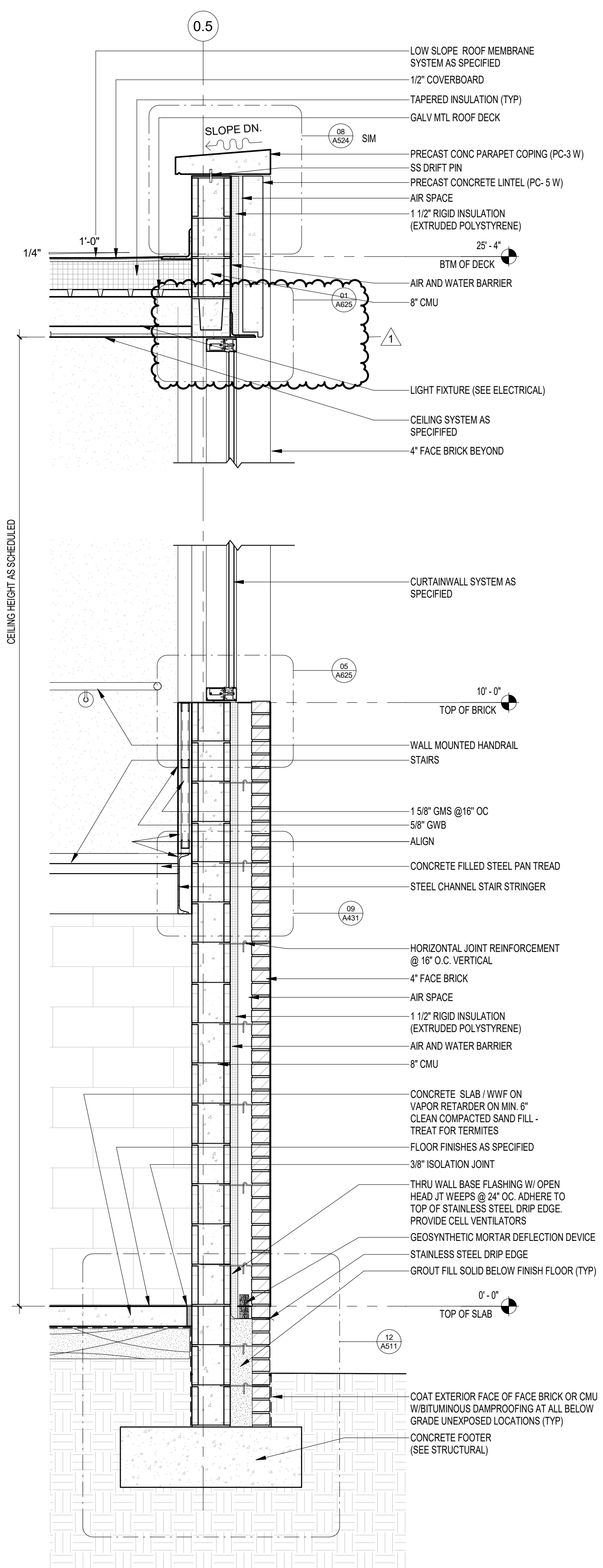
01 WALL SECTION
A303 3/4" = 1'-0"



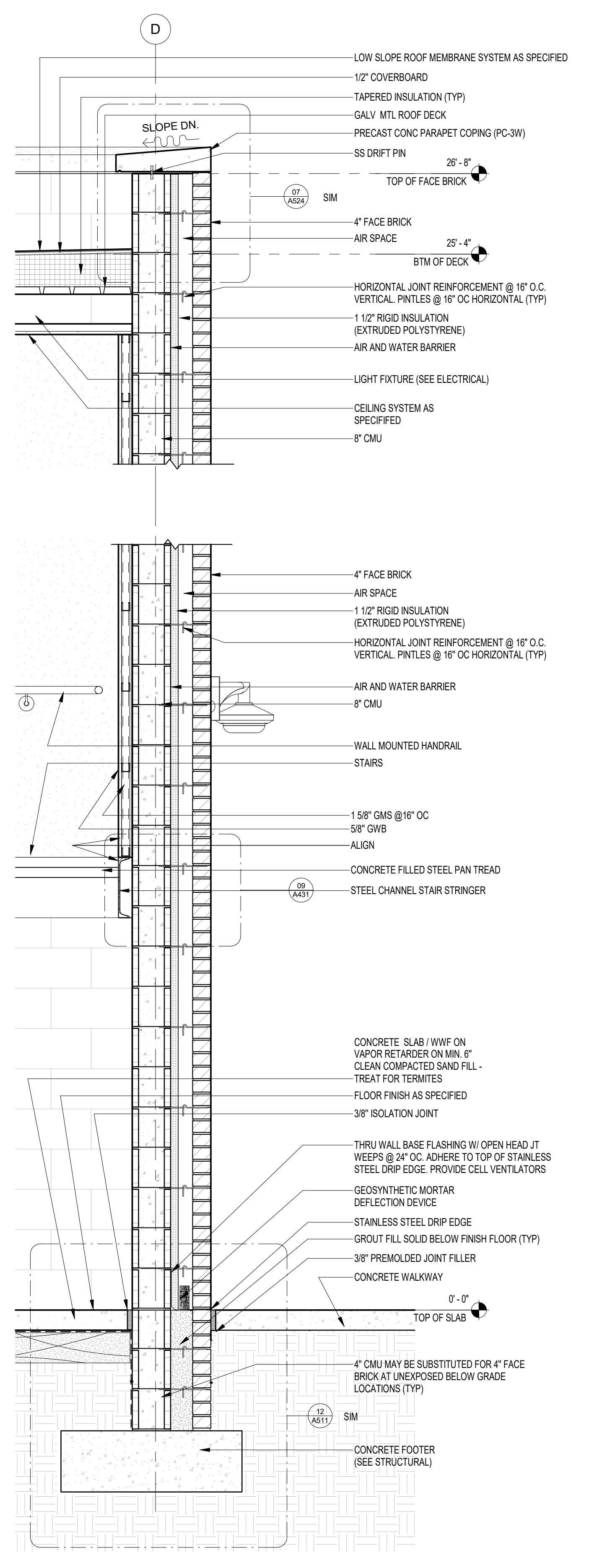
02 WALL SECTIONS
A303 3/4" = 1'-0"



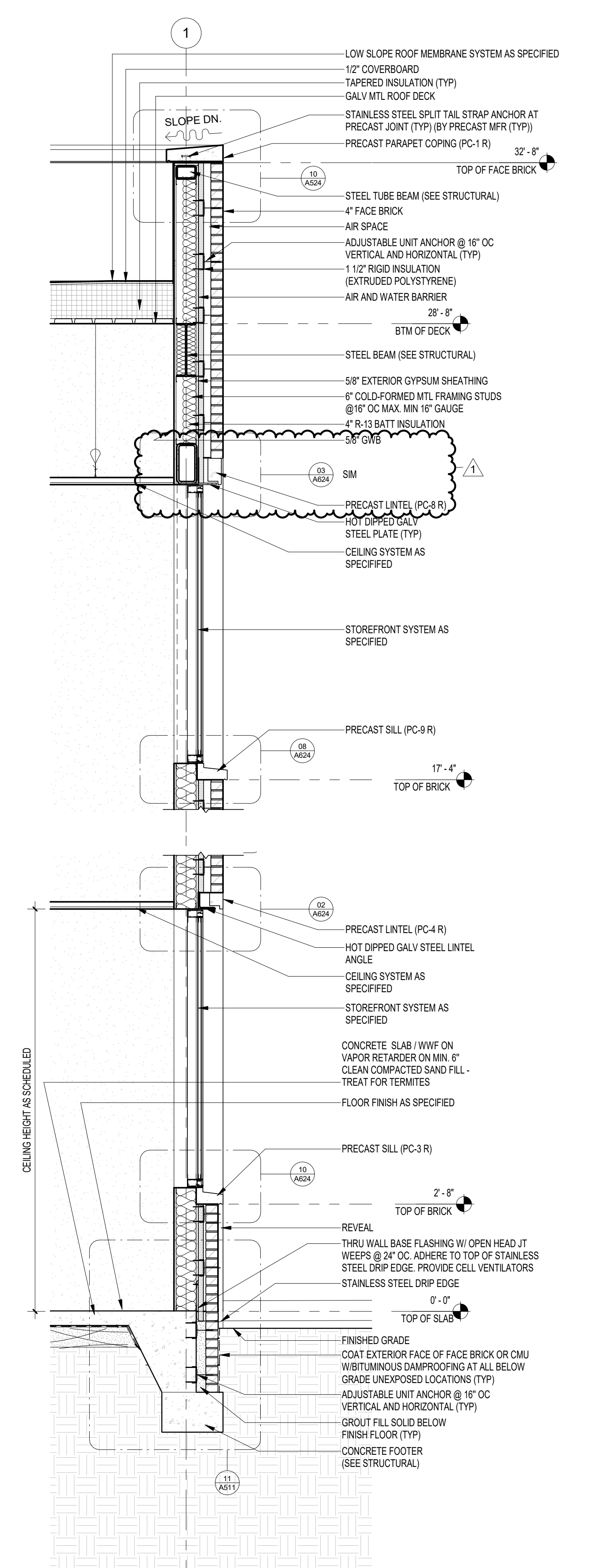
03 WALL SECTION
A303 3/4" = 1'-0"



01 STAIR WALL SECTION
A304 3/4" = 1'-0"



02 STAIR WALL SECTIONS
A304 3/4" = 1'-0"



03 WALL SECTION
A304 1/2" = 1'-0"

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2
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SHEET TITLE
WALL SECTIONS

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS

WCSD EDUCATIONAL
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ALLSTATE CONSTRUCTION
02-13-2025

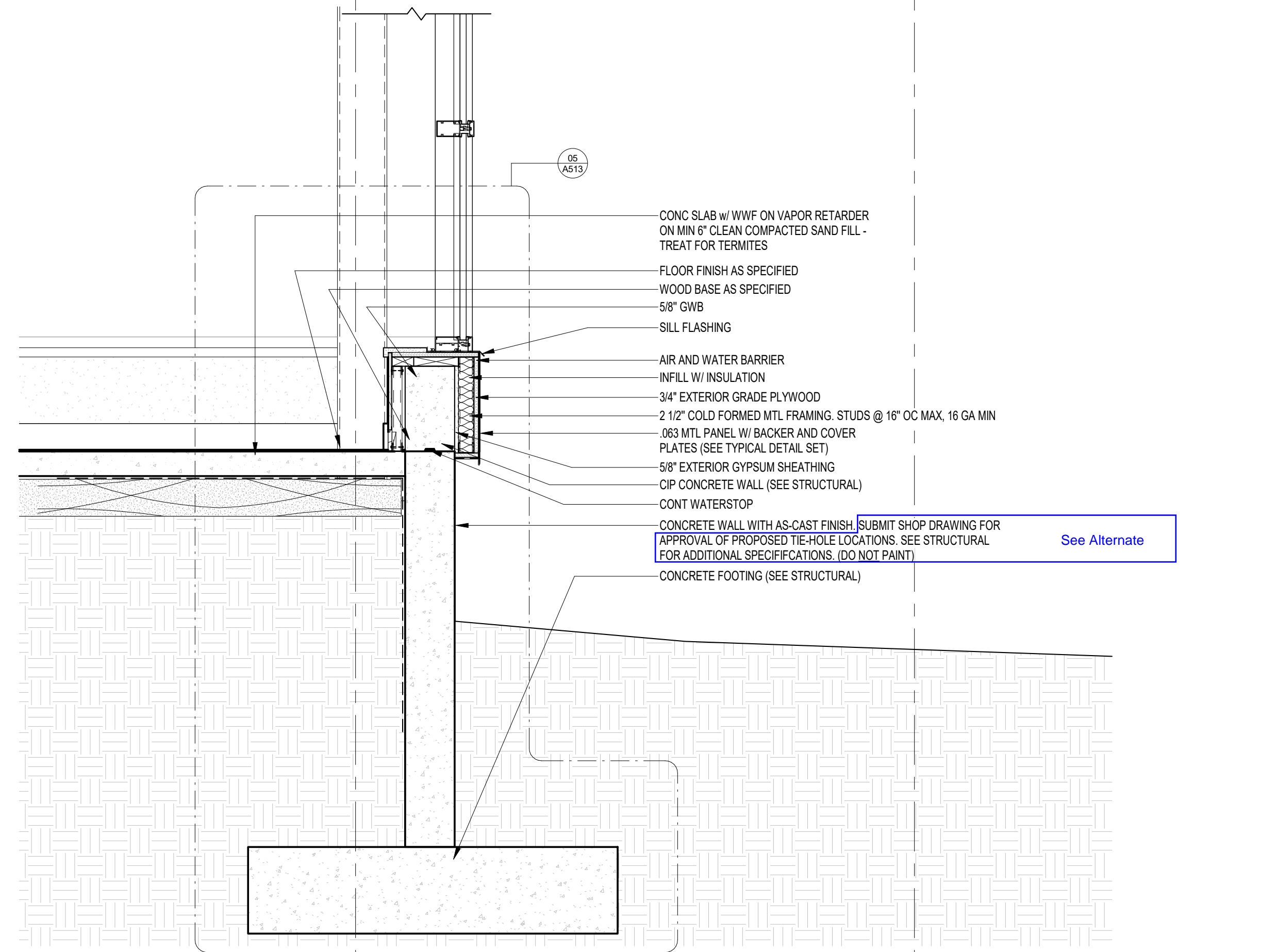
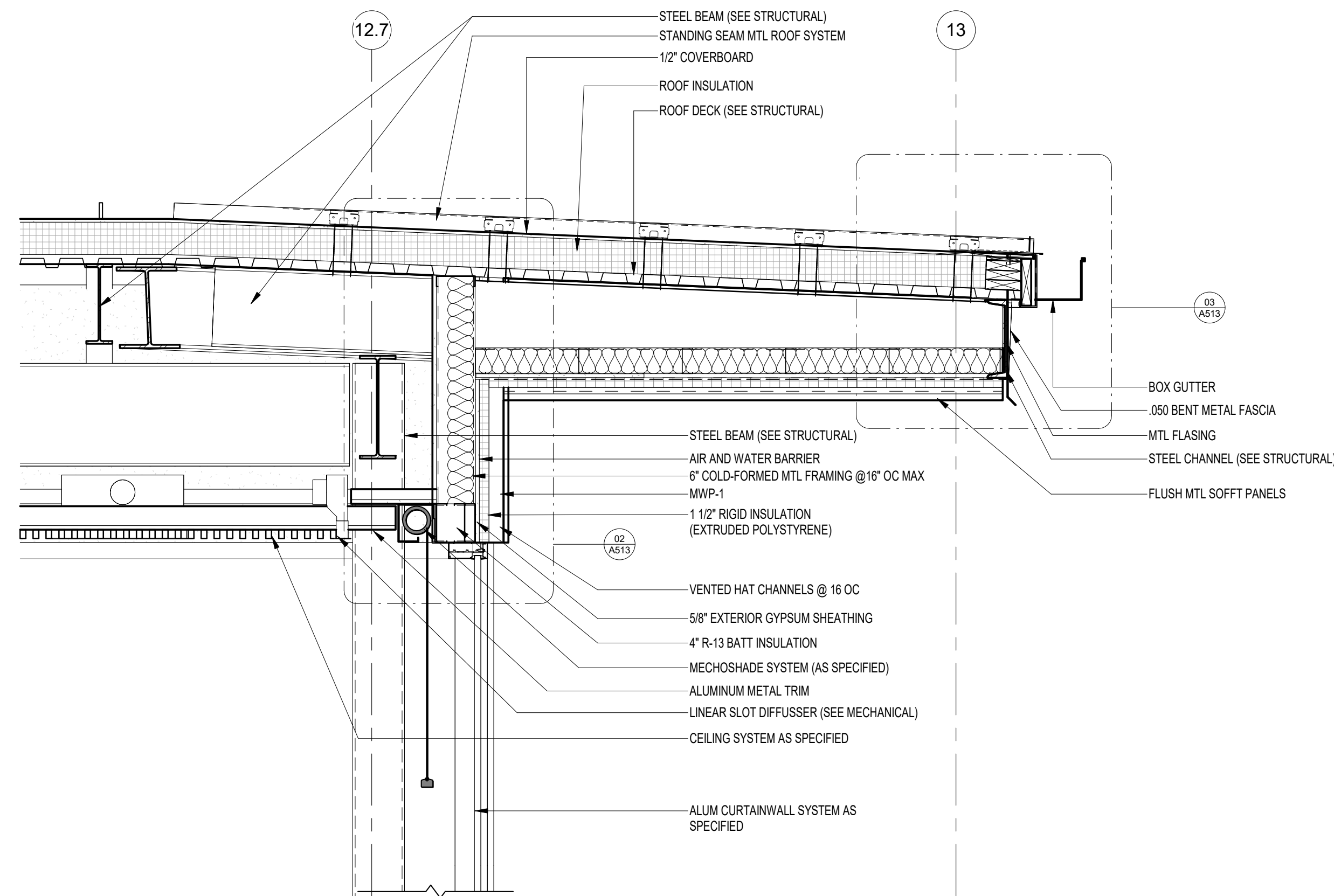
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1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

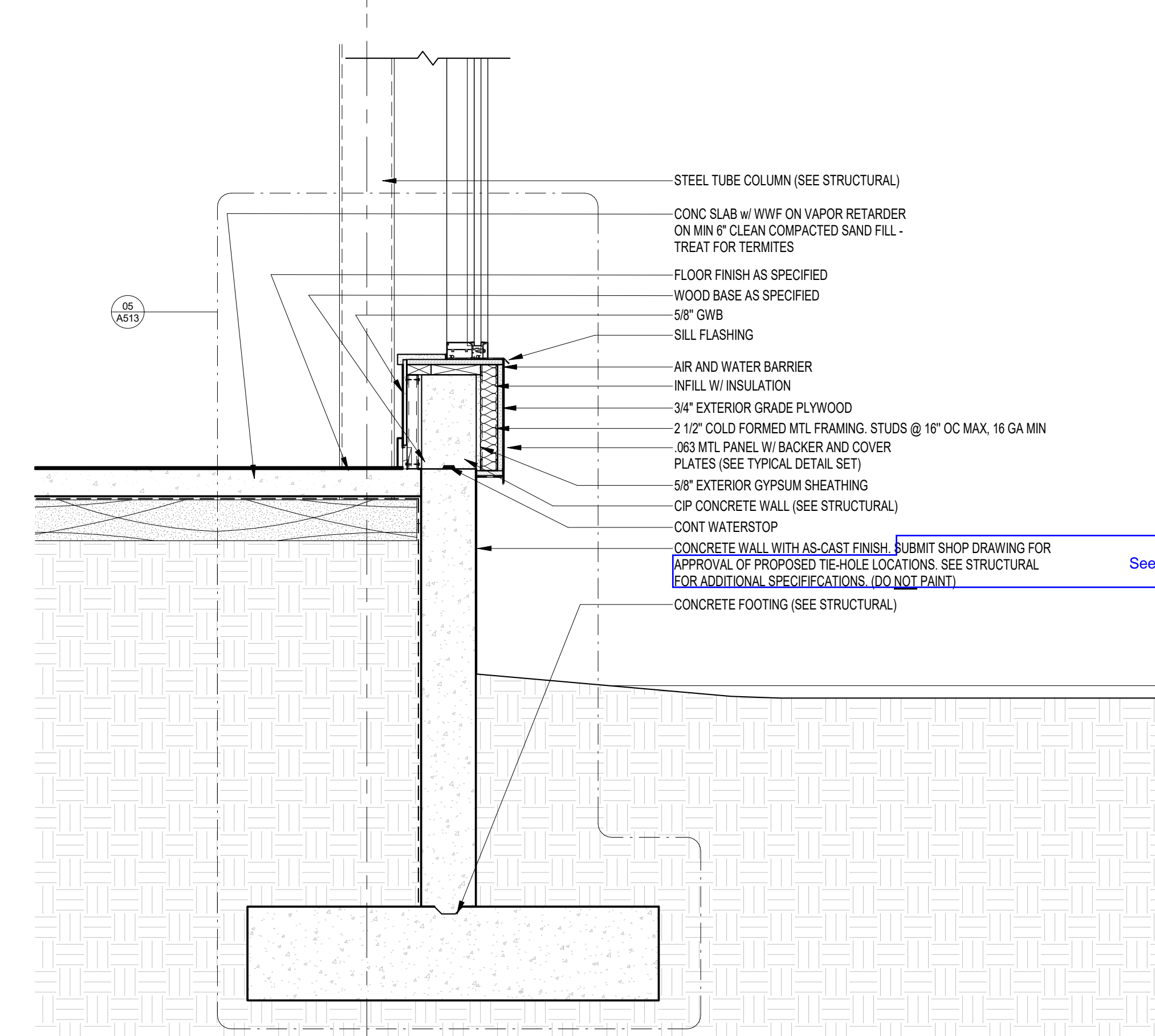
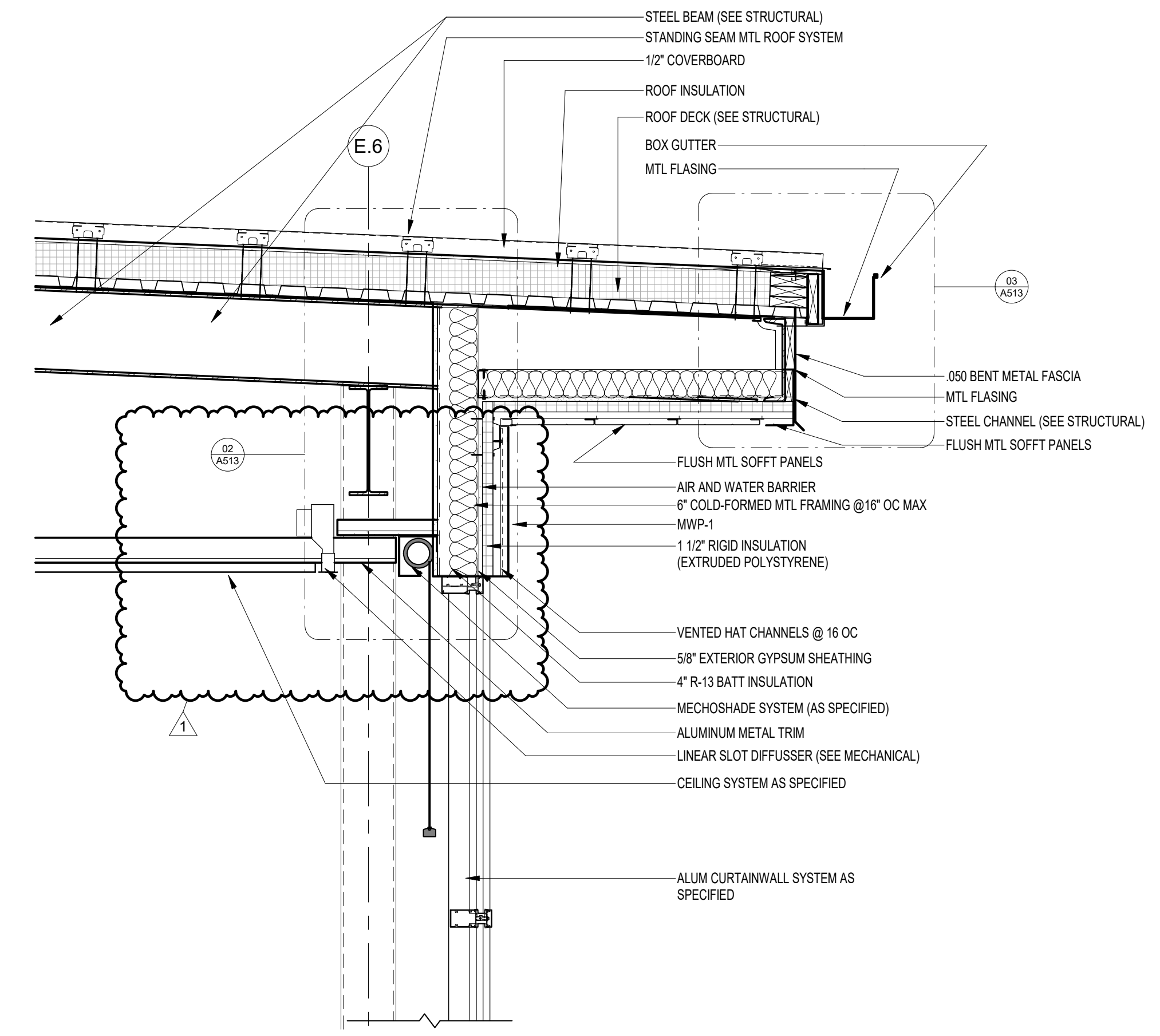
DATE	15 JANUARY 2025	DRAWN BY	RMP
PROJECT NO	68100	CHECKED BY	

SHEET TITLE
WALL SECTIONS

SHEET NO	A306	REV NO	1
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01 WALL SECTION
A306 3/4" = 1'-0"



02 WALL SECTION
A306 3/4" = 1'-0"

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS

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PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE
15 JANUARY 2025

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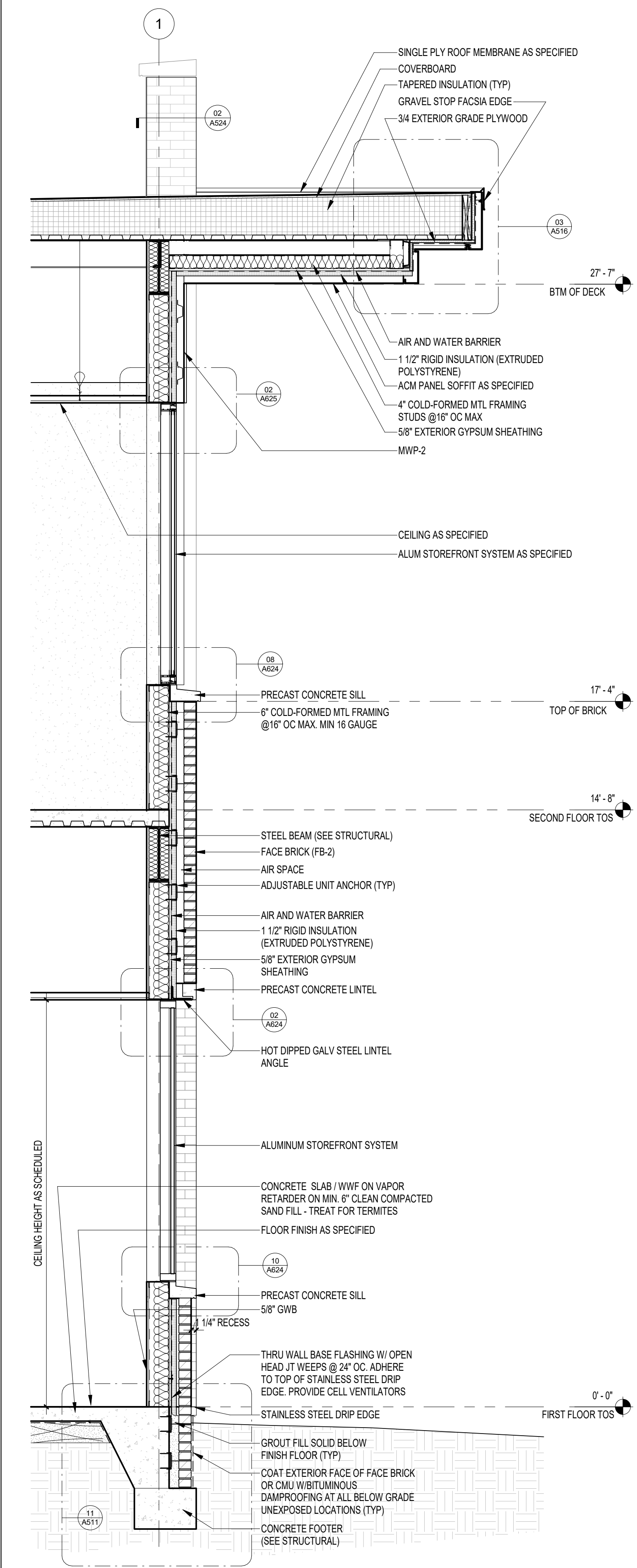
PROJECT NO
68100

CHECKED BY
BI

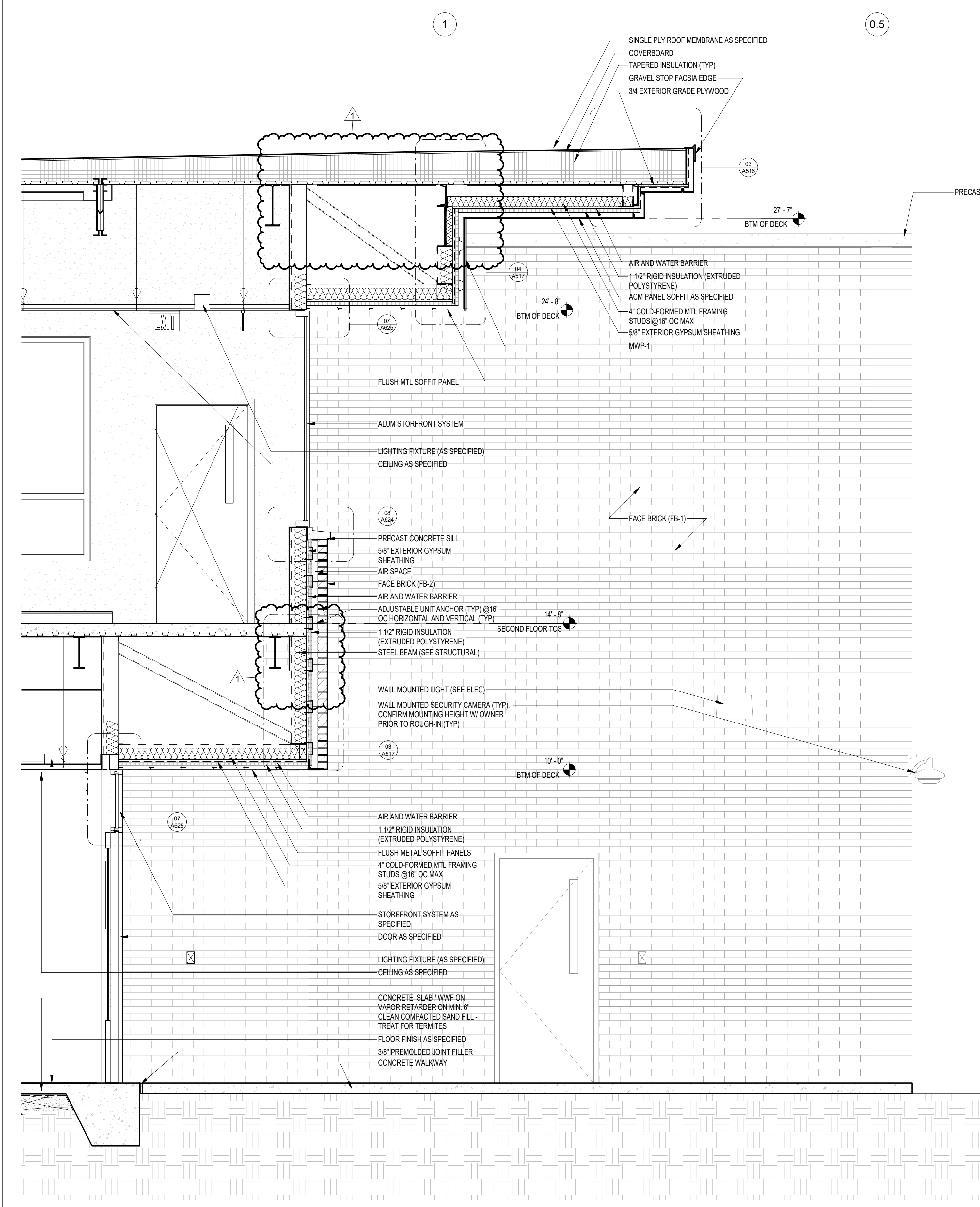
SHEET TITLE
WALL SECTIONS

SHEET NO
A307

REV NO
1

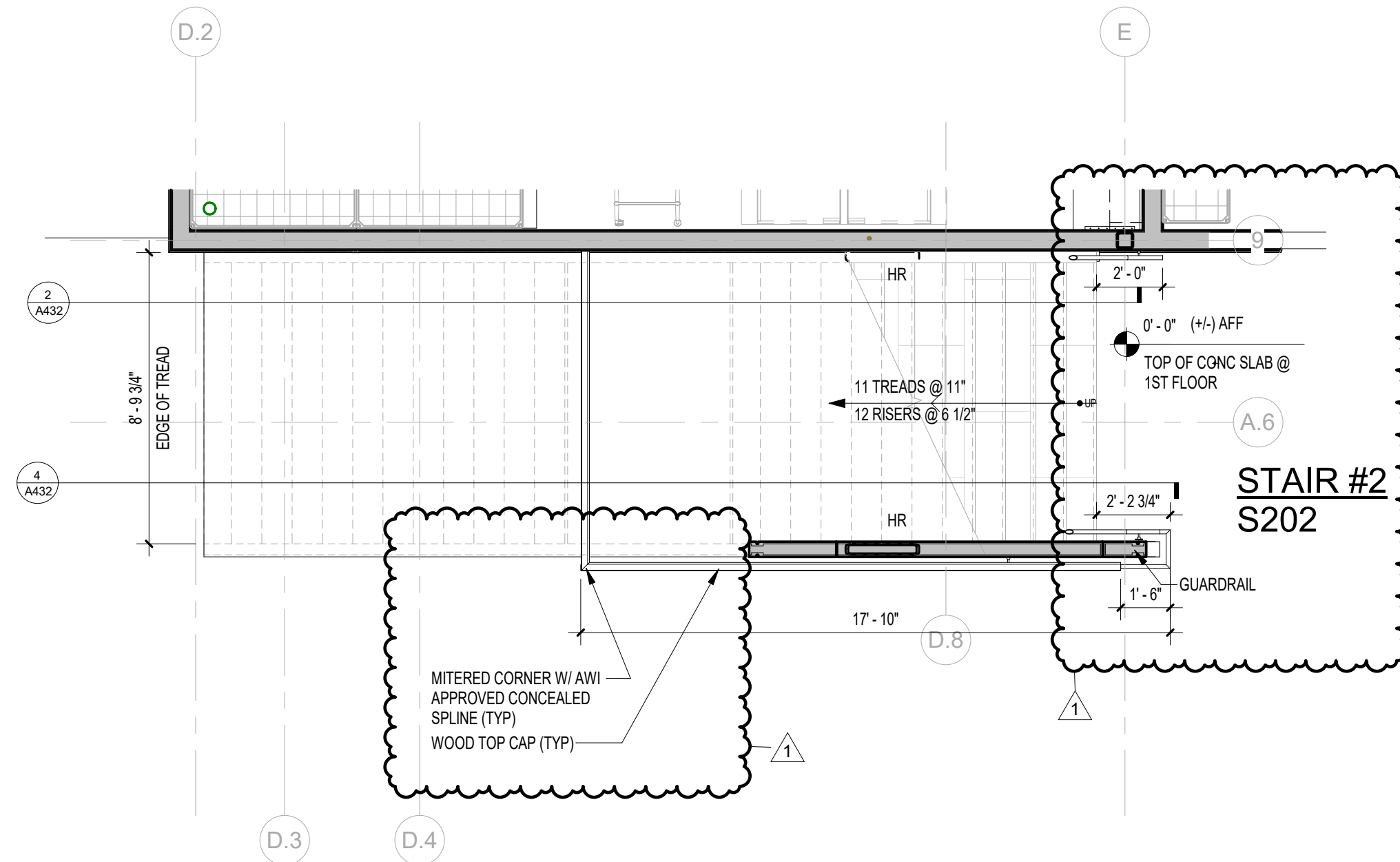


02
A307
TYPICAL TWO STORY SECTION
1/2" = 1'-0"

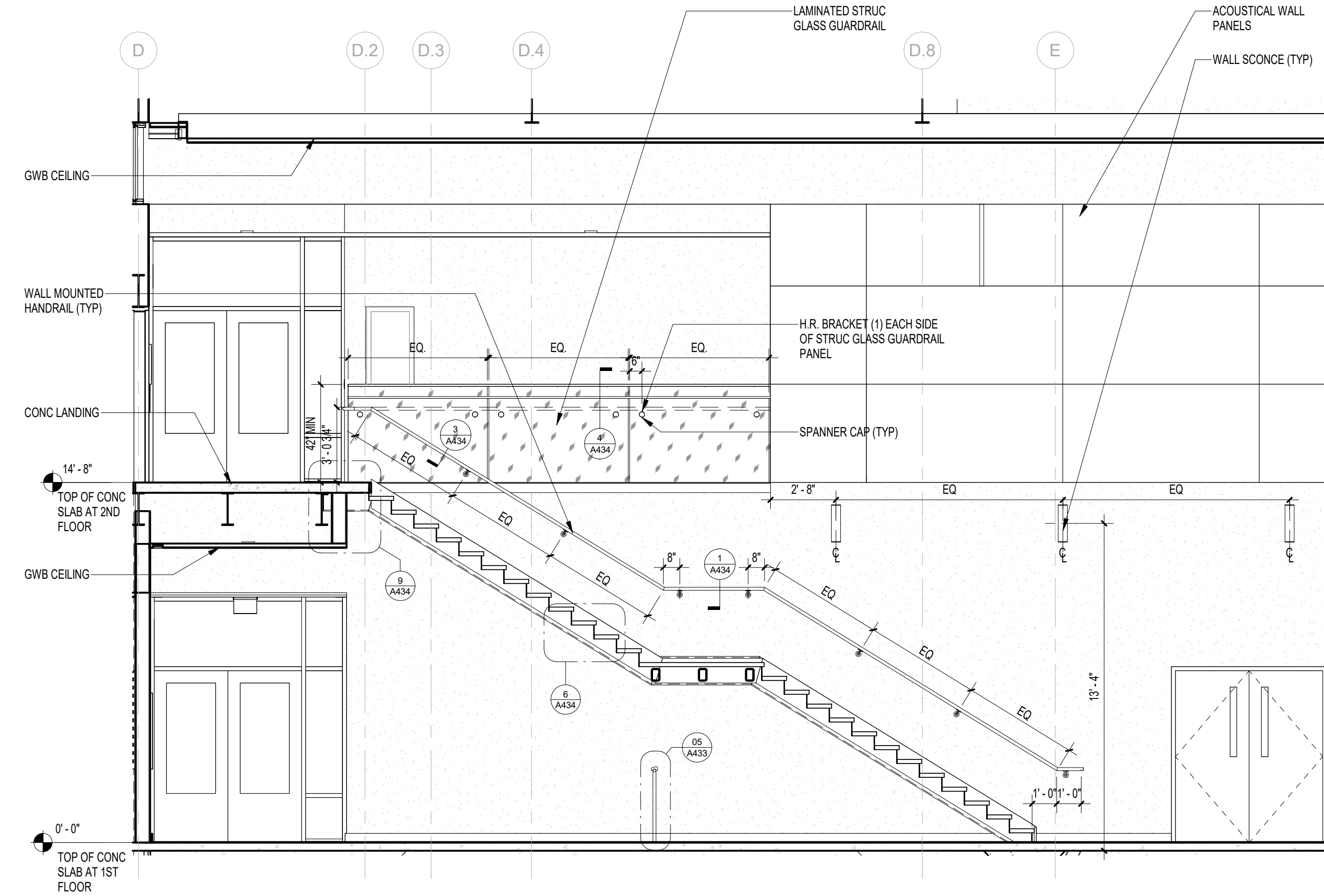


01
A307
SECTION THRU NORTH ENTRY

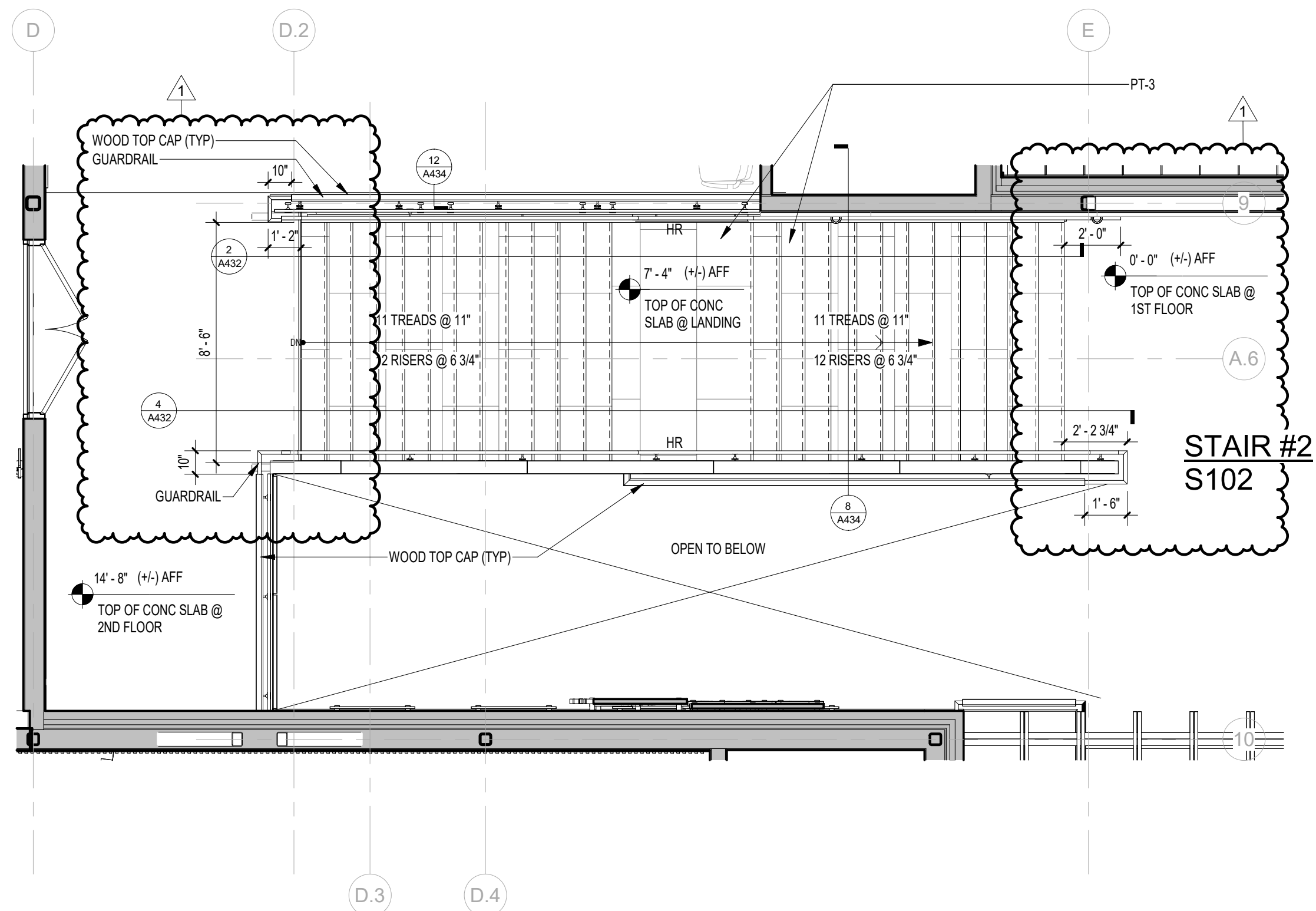
NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS



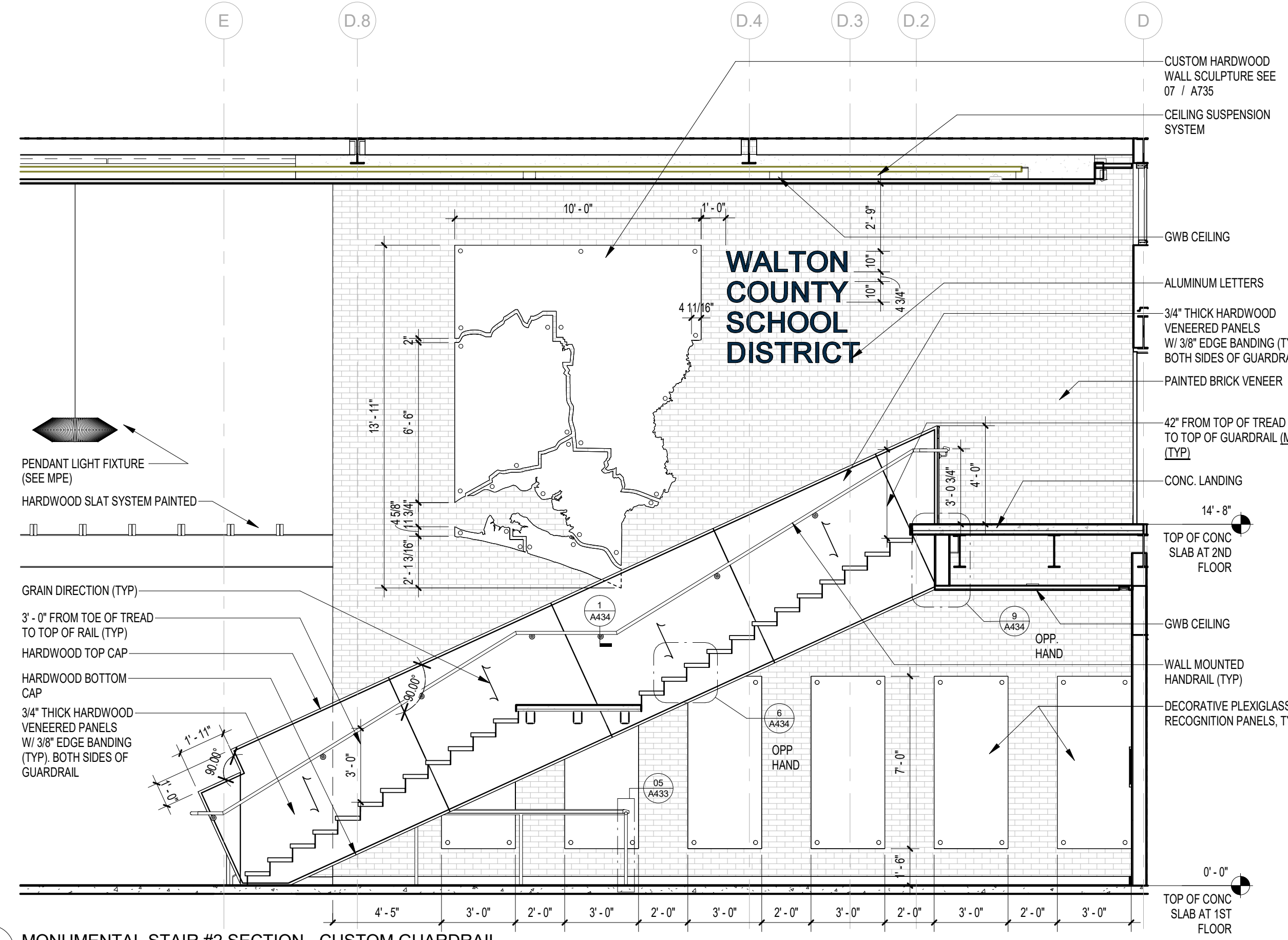
1 MONUMENTAL STAIR #2 - 1ST FLOOR PLAN SOUTH
1/4" = 1'-0"



2 MONUMENTAL STAIR #2 SECTION
1/4" = 1'-0"



3 MONUMENTAL STAIR #2 - 2ND FLOOR PLAN SOUTH
1/4" = 1'-0"



4 MONUMENTAL STAIR #2 SECTION - CUSTOM GUARDRAIL
1/4" = 1'-0"

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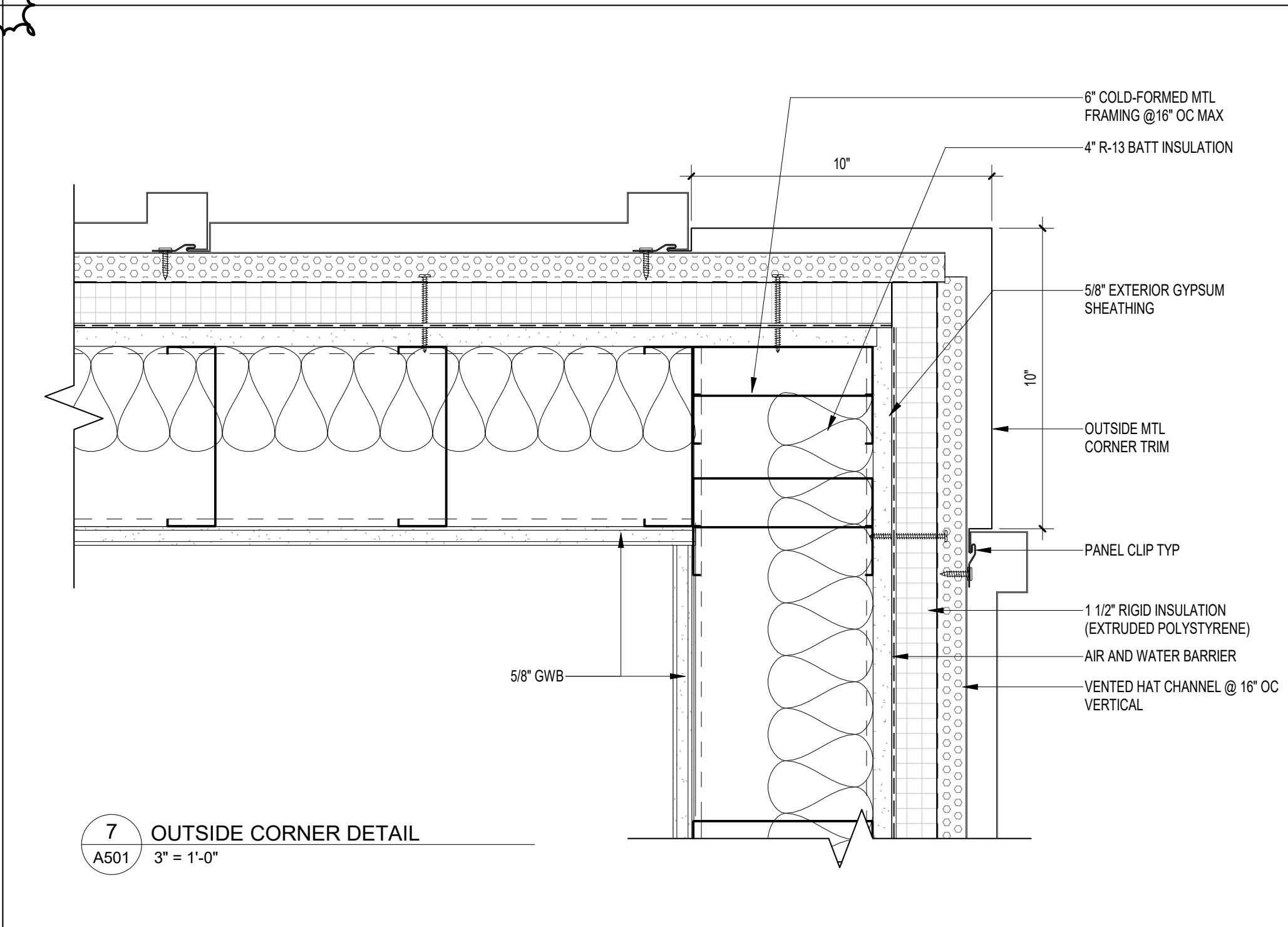
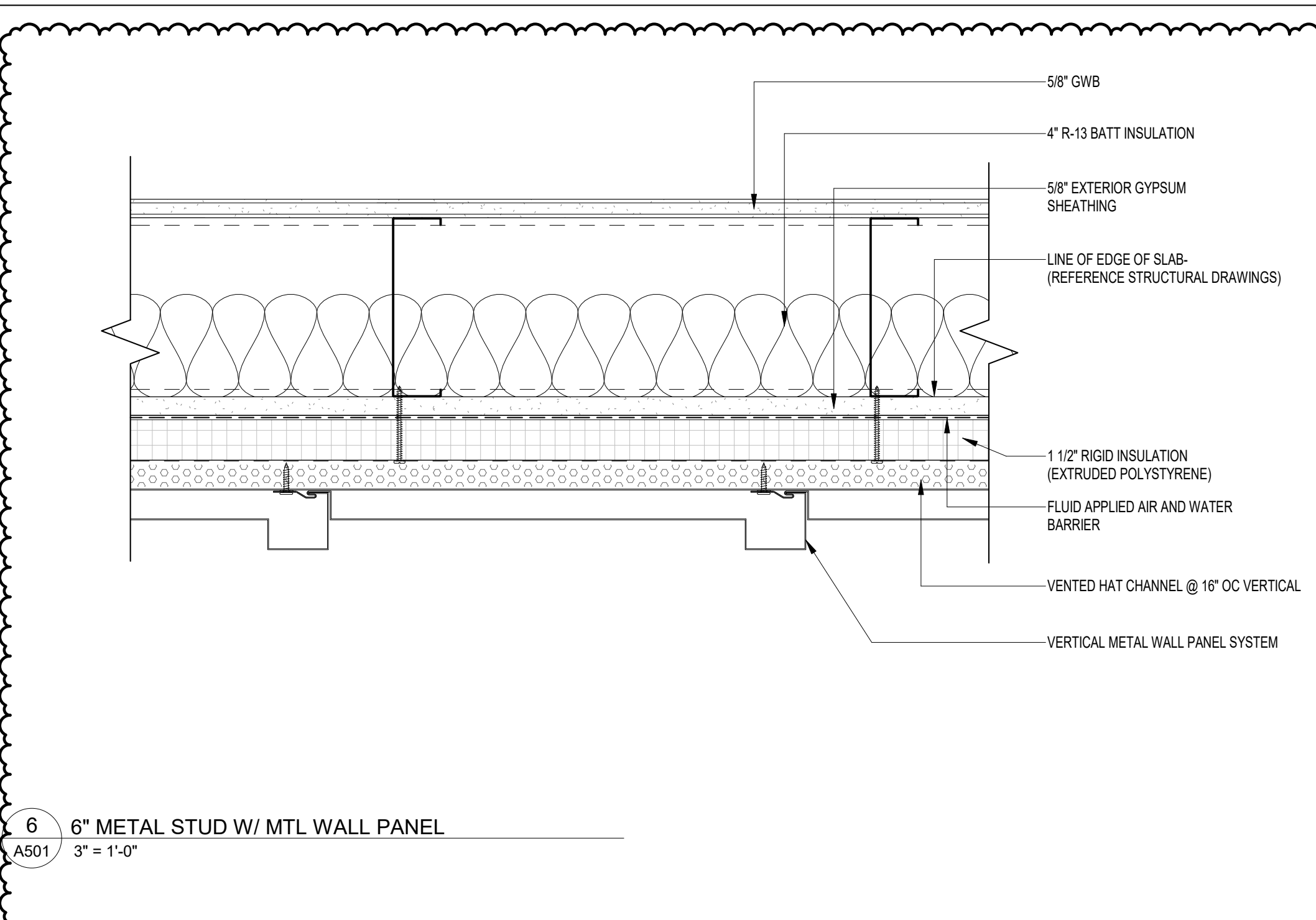
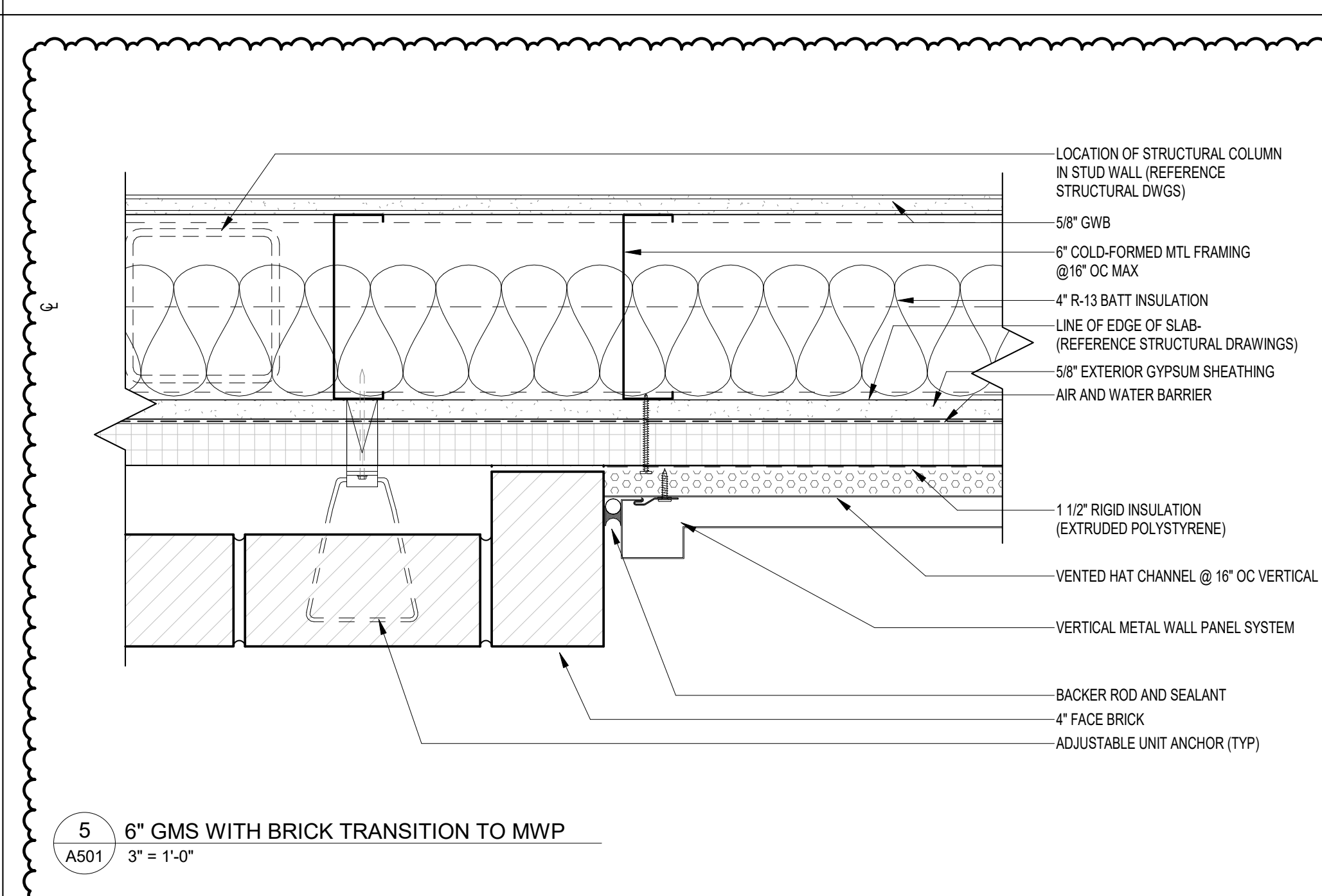
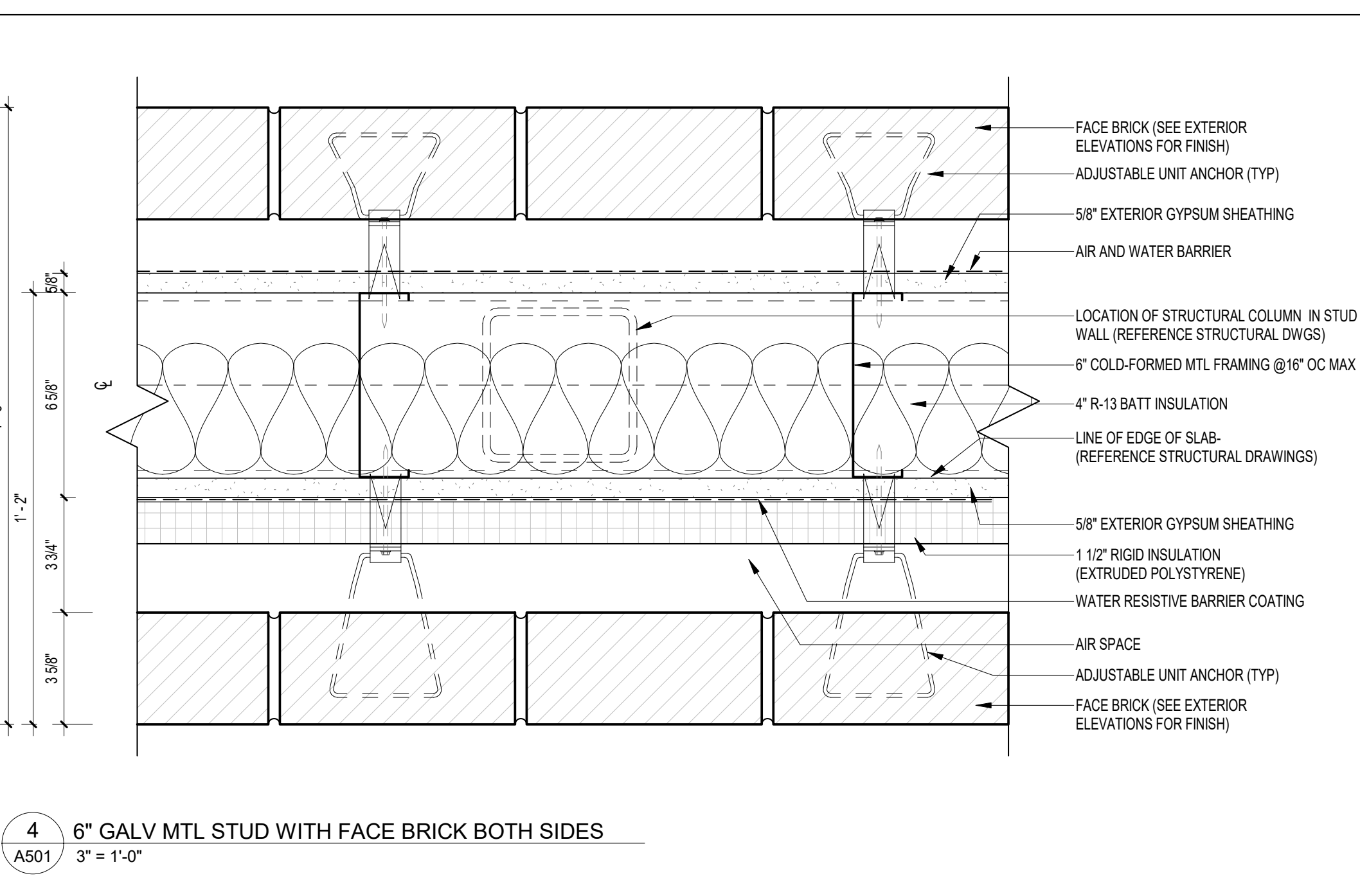
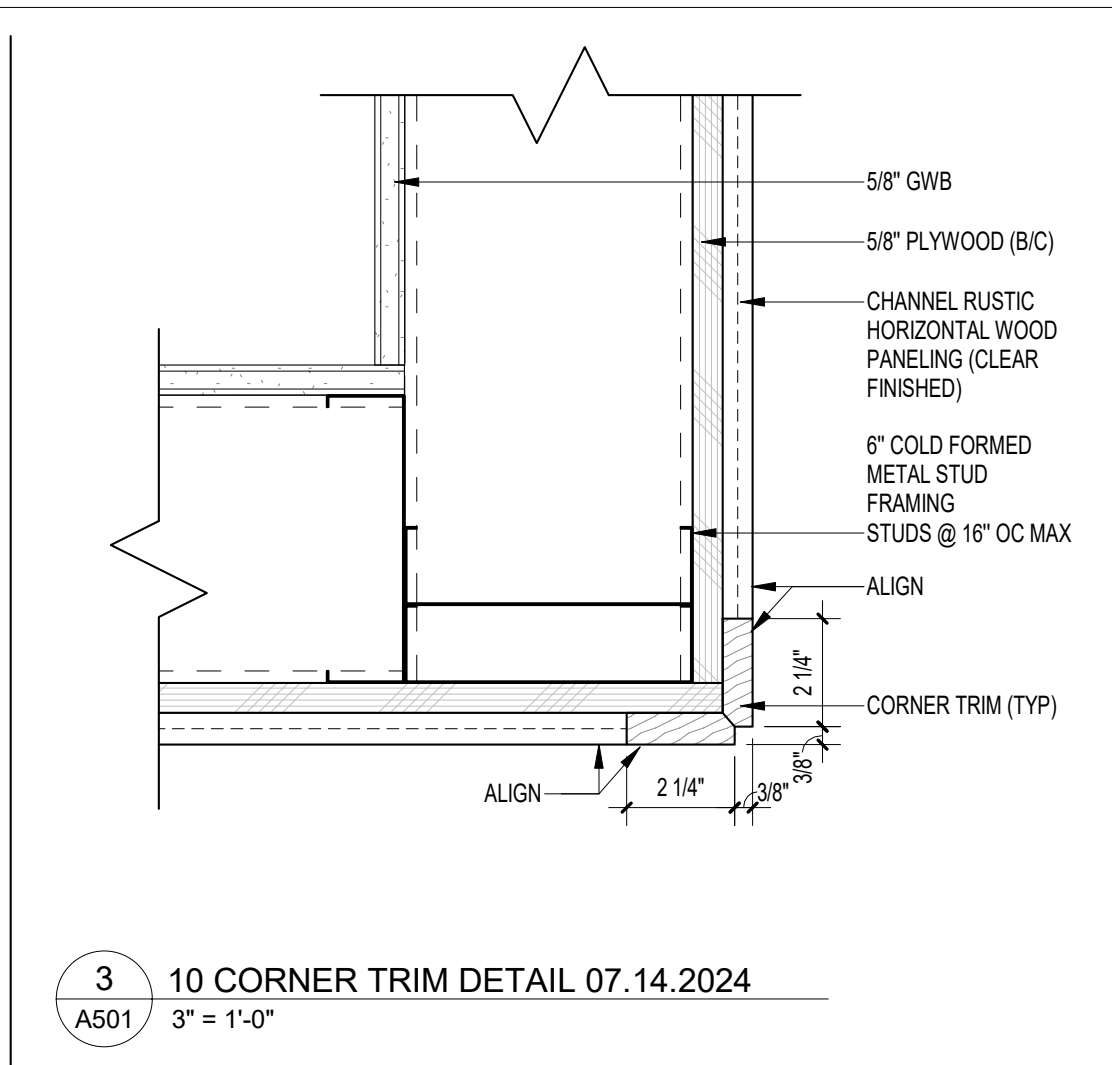
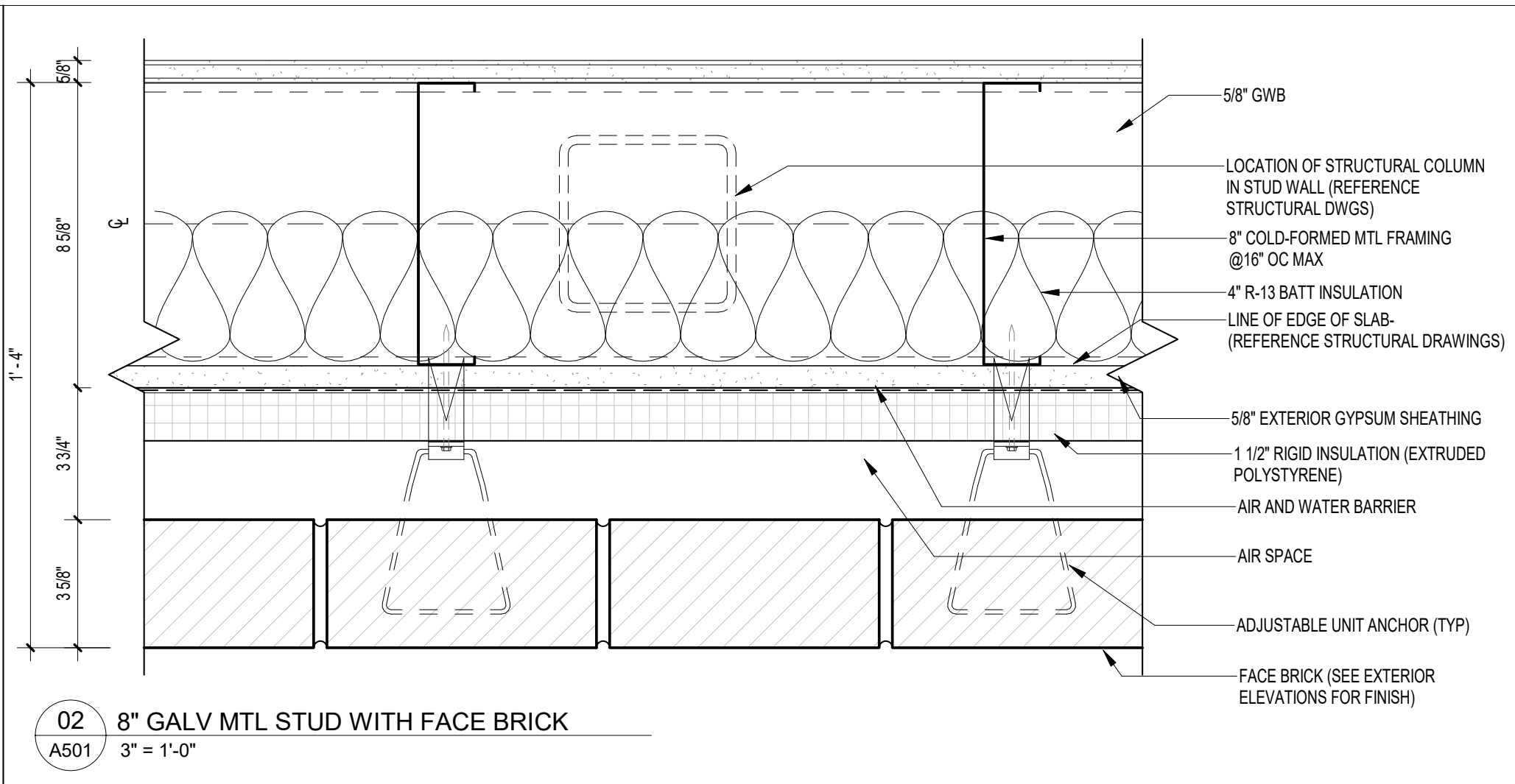
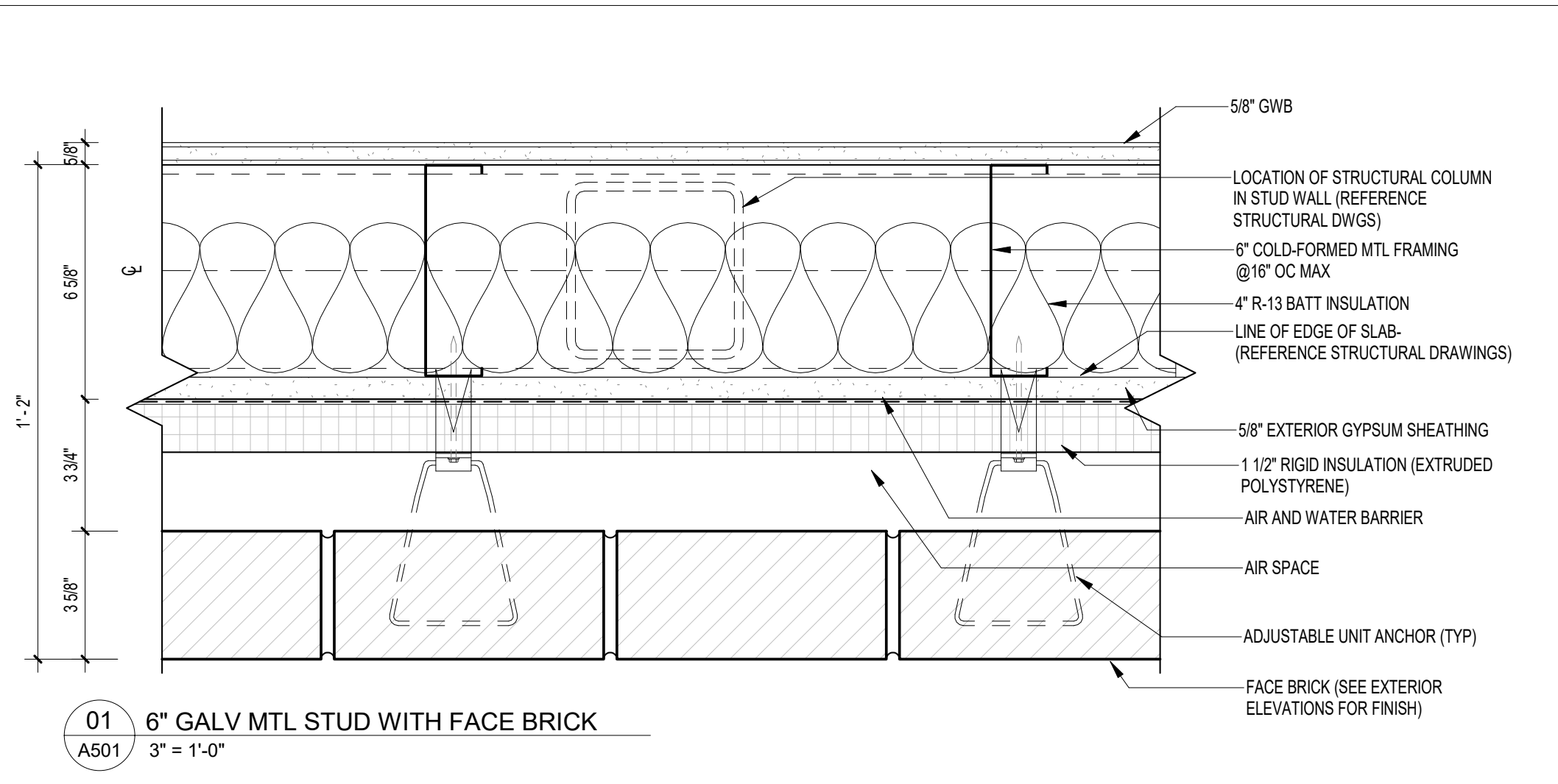
REV	DATE	DESCRIPTION
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PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE	DRAWN BY
15 JANUARY 2025	RMP
PROJECT NO	CHECKED BY
68100	

SHEET TITLE
**ENLARGED STAIR PLANS
AND SECTION**

SHEET NO	REV NO
A432	1



NOTE:
11' x 17' SHEETS ARE PLOTTED AT 1/2 THE SCALE NOTED ON THESE DRAWINGS

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02-13-2025

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CONSTRUCTION DOCUMENTS

DATE	15 JANUARY 2025	DRAWN BY	RMP
PROJECT NO	68100	CHECKED BY	

SHEET TITLE
PLAN DETAILS

SHEET NO	A501	REV NO	1
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GENERAL NOTES (APPLICABLE TO THIS SHEET)

- SEE STRUCTURAL FOR ALL STEEL REINFORCEMENT (TYP.) STEEL REINFORCEMENT IS NOT INDICATED ON THESE DETAILS
- HORIZONTAL JOINT REINFORCEMENT IS GENERALLY NOT SHOWN FOR REASONS OF CLARITY. TIES AND ANCHORS SPECIFICALLY NOTED ON DETAILS ARE IN ADDITION TO HORIZONTAL JOINT REINFORCEMENT UNLESS SPECIFICALLY NOTED OTHERWISE.
- THERE MAY BE ADDITIONAL REQUIREMENTS FOR CMU GROUTED CELLS BEYOND THESE SPECIFICALLY NOTED IN THESE DETAILS. REFER TO STRUCTURAL PLANS AND SPECIFICATIONS.
- NOT ALL COMPONENTS IN EACH DETAIL MAY BE SPECIFICALLY CALLED OUT ON THAT PARTICULAR DETAIL. CONTRACTOR SHALL STILL BE RESPONSIBLE FOR PROVIDING THESE ITEMS IF THEY CAN BE REASONABLY INFERRED TO BE PART OF THE ASSEMBLY BASED ON THESE TYPICAL SIMILAR DETAILS CONTAINED WITHIN THE CONTRACT DOCUMENTS.
- SEE BUILDING ELEVATIONS FOR ALL BRICK EXPANSION JOINT (BEJ) LOCATIONS (TYP)

NOTE:
11' x 17' SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS

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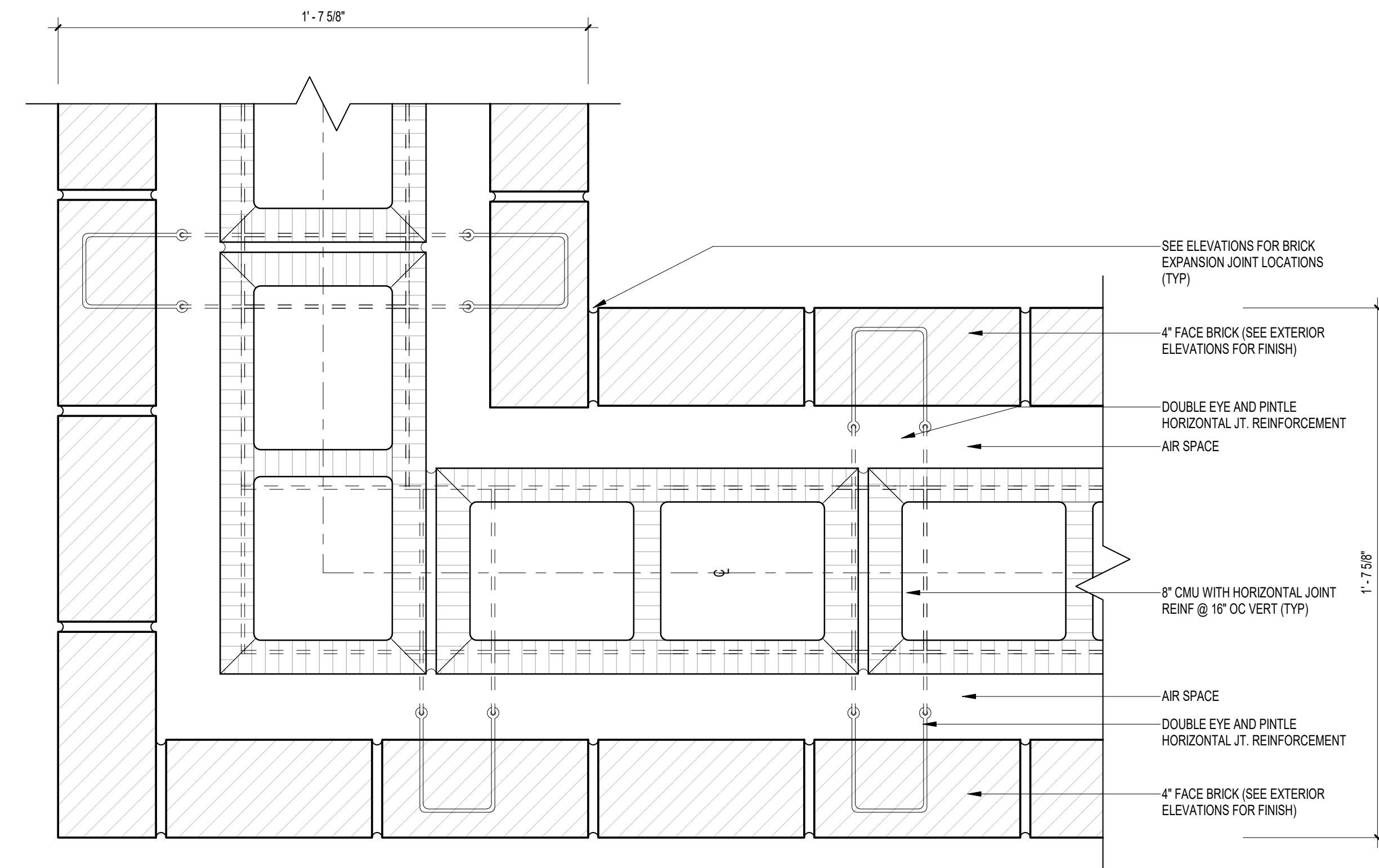
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1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

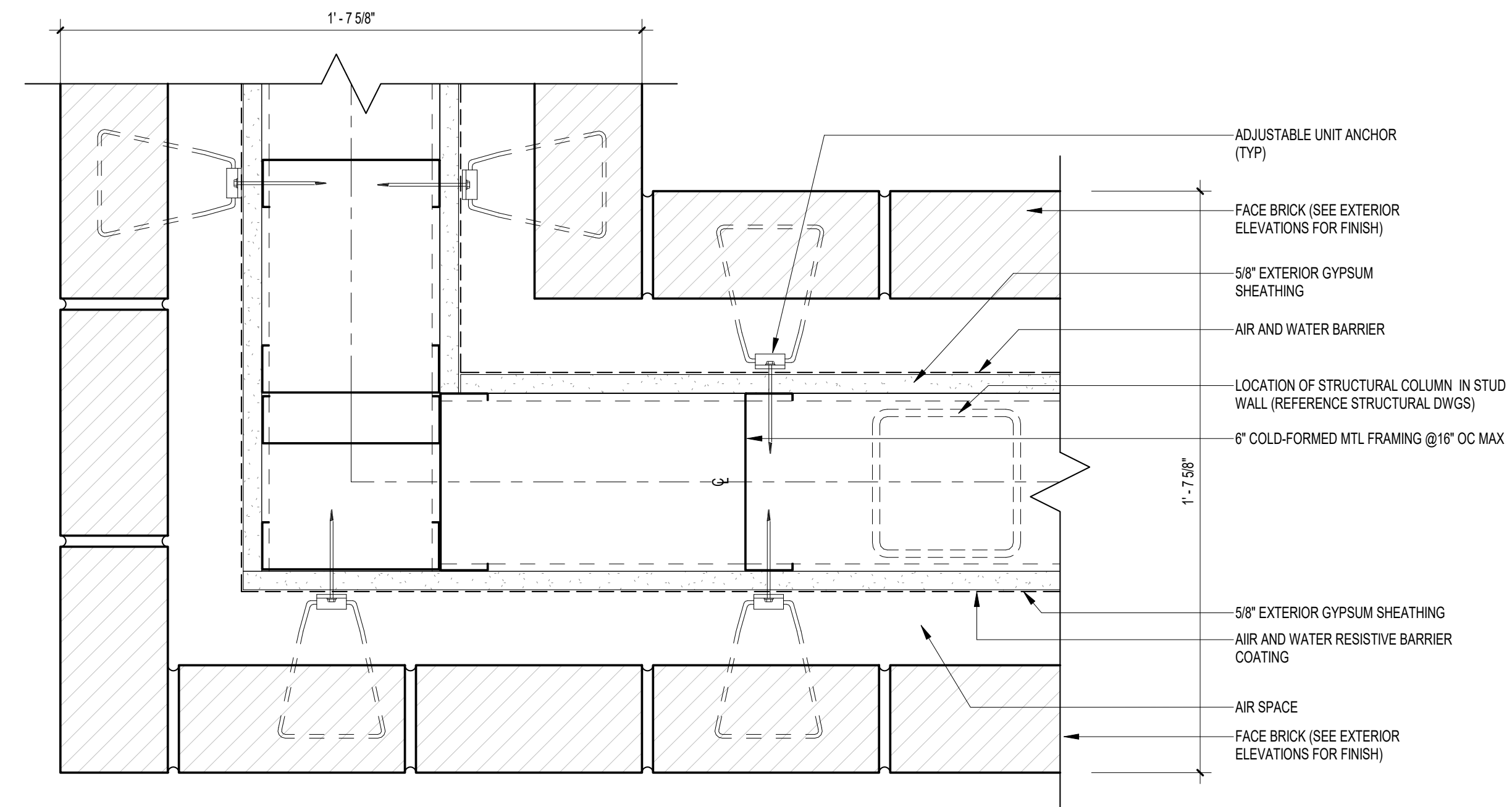
DATE	15 JANUARY 2025	DRAWN BY	RMP
PROJECT NO	68100	CHECKED BY	

SHEET TITLE
PLAN DETAILS

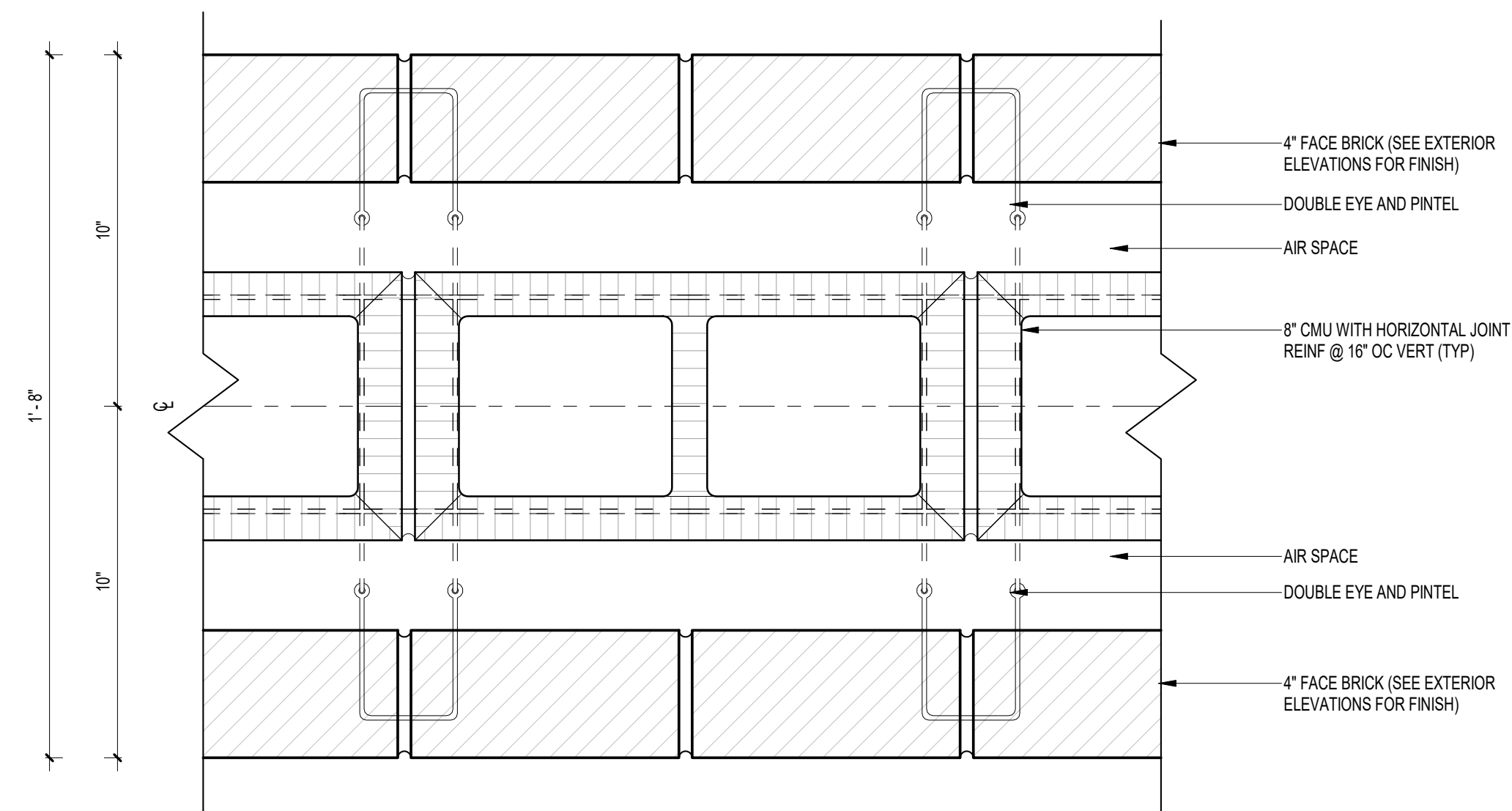
SHEET NO	A502	REV NO	1
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01 8" CMU W/BRICK AT CORNER
A502 3" = 1'-0"



02 6" GMS W/BRICK CORNER
A502 3" = 1'-0"



03 8" CMU WITH FACE BRICK BOTH SIDES
A502 3" = 1'-0"

GENERAL NOTES (APPLICABLE TO THIS SHEET)

- SEE STRUCTURAL FOR ALL STEEL REINFORCEMENT (TYP.) STEEL REINFORCEMENT IS NOT INDICATED ON THESE DETAILS
- HORIZONTAL JOINT REINFORCEMENT IS GENERALLY NOT SHOWN FOR REASONS OF CLARITY. TIES AND ANCHORS SPECIFICALLY NOTED ON DETAILS ARE IN ADDITION TO HORIZONTAL JOINT REINFORCEMENT UNLESS SPECIFICALLY NOTED OTHERWISE.
- THERE MAY BE ADDITIONAL REQUIREMENTS FOR CMU GROUDED CELLS BEYOND THESE SPECIFICALLY NOTED IN THESE DETAILS. REFER TO STRUCTURAL PLANS AND SPECIFICATIONS.
- NOT ALL COMPONENTS IN EACH DETAIL MAY BE SPECIFICALLY CALLED OUT ON THAT PARTICULAR DETAIL. CONTRACTOR SHALL STILL BE RESPONSIBLE FOR PROVIDING THESE ITEMS IF THEY CAN BE REASONABLY INFERRED TO BE PART OF THE ASSEMBLY BASED ON THERE TYPICAL SIMILAR DETAILS CONTAINED WITHIN THE CONTRACT DOCUMENTS.
- SEE BUILDING ELEVATIONS FOR ALL BRICK EXPANSION JOINT (BEJ) LOCATIONS (TYP)

NOTE:
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THE SCALE NOTED ON THESE DRAWINGS

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CONSTRUCTION DOCUMENTS

DATE
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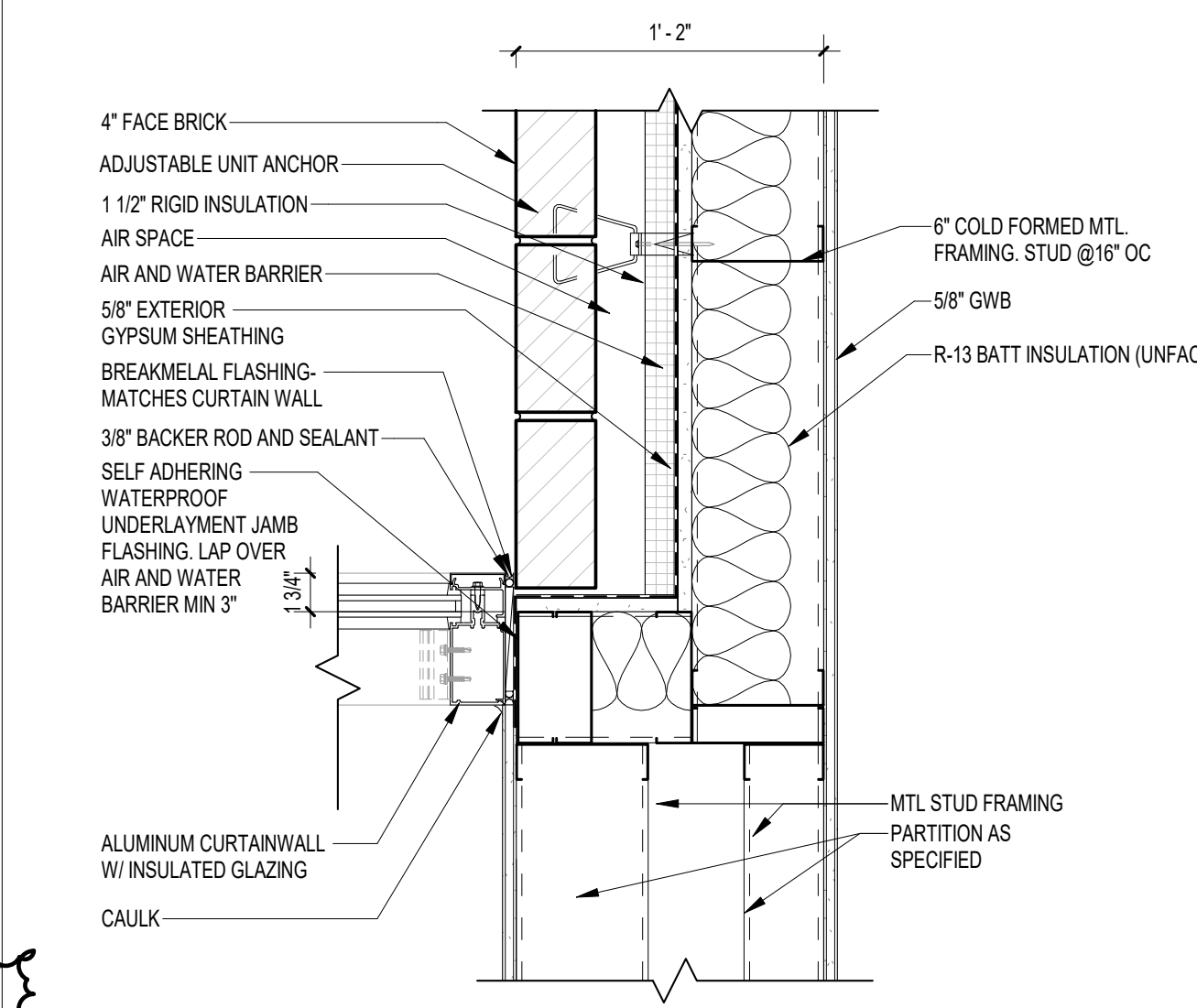
PROJECT NO
68100

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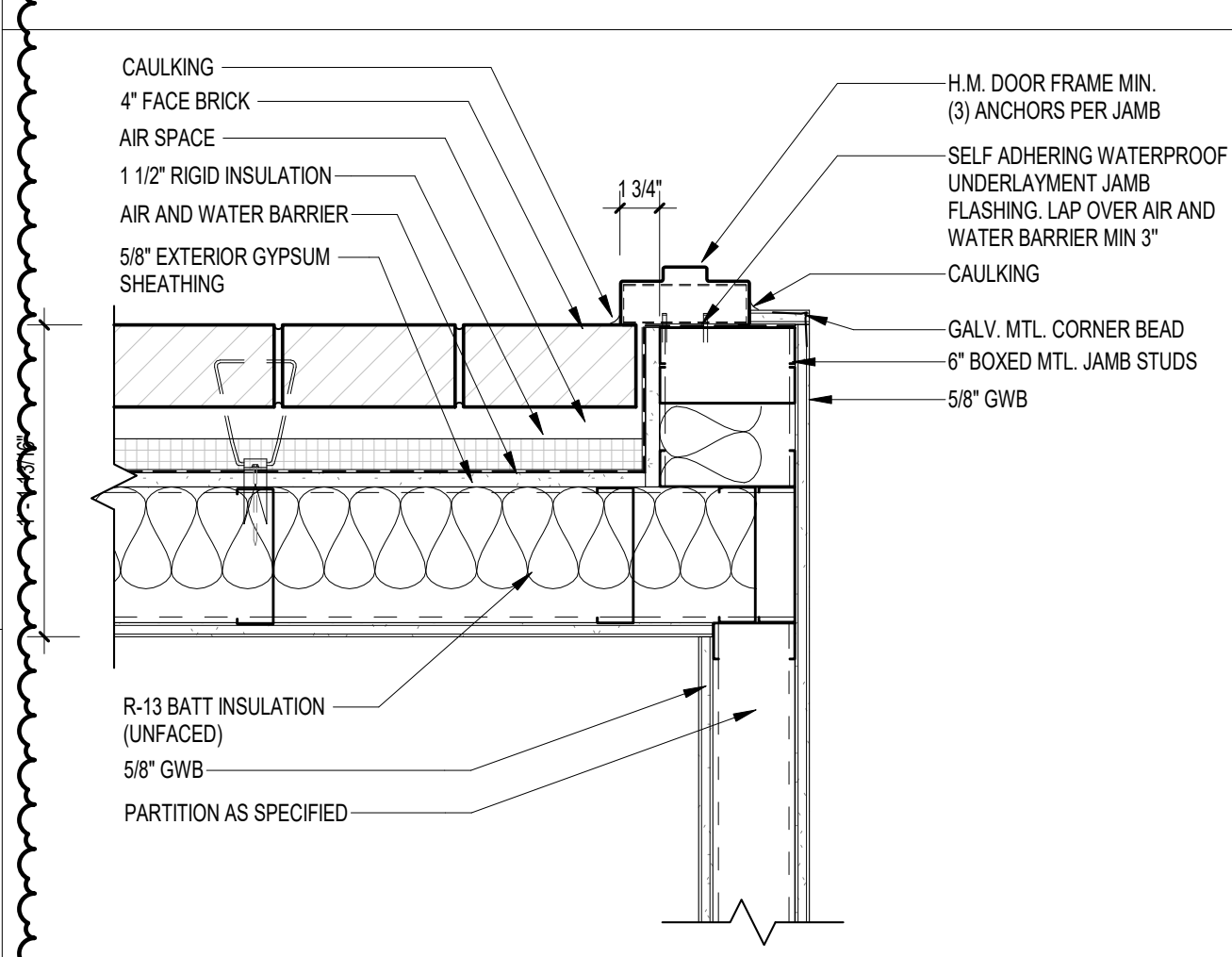
SHEET TITLE
PLAN DETAILS

SHEET NO
A503

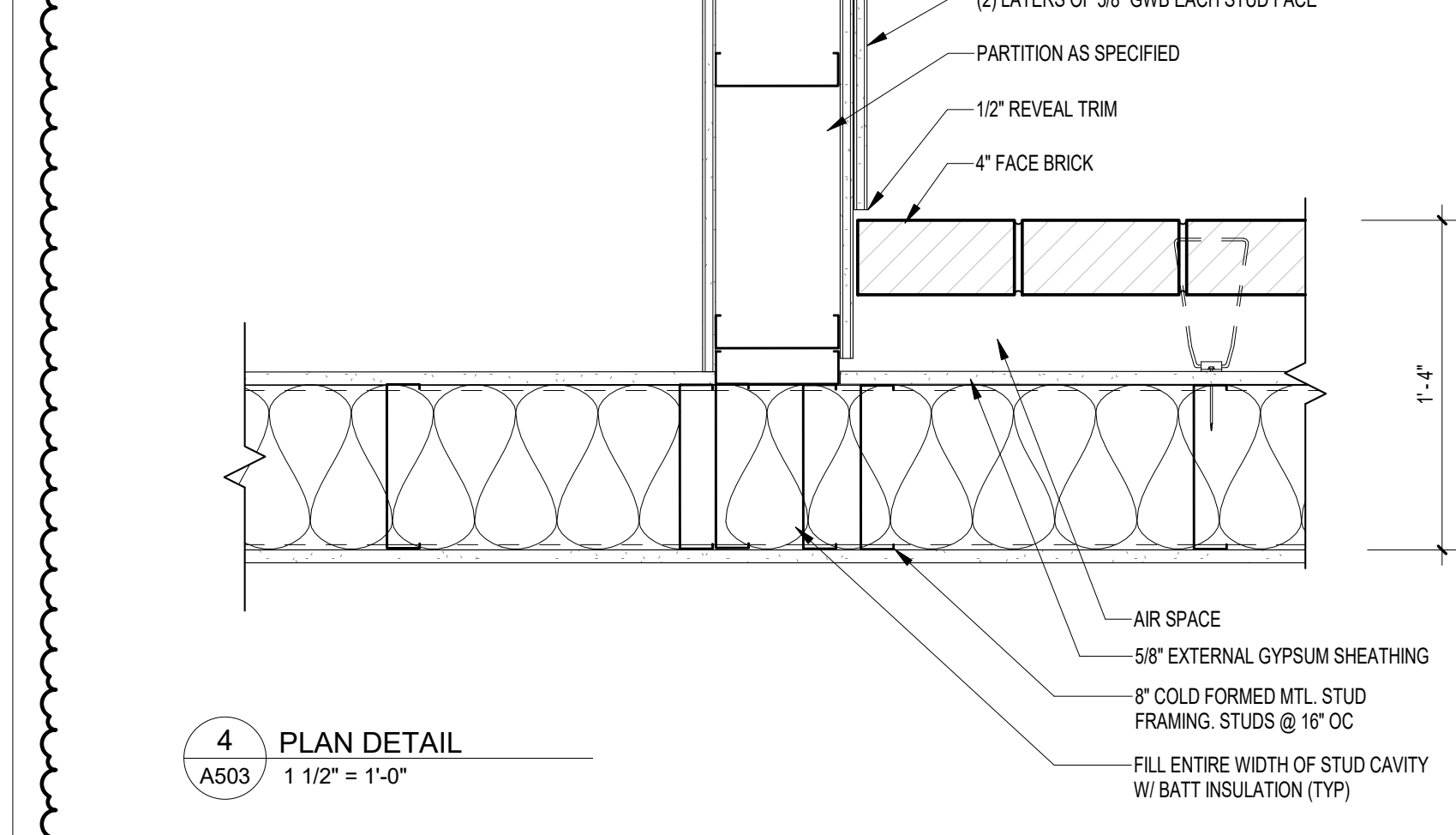
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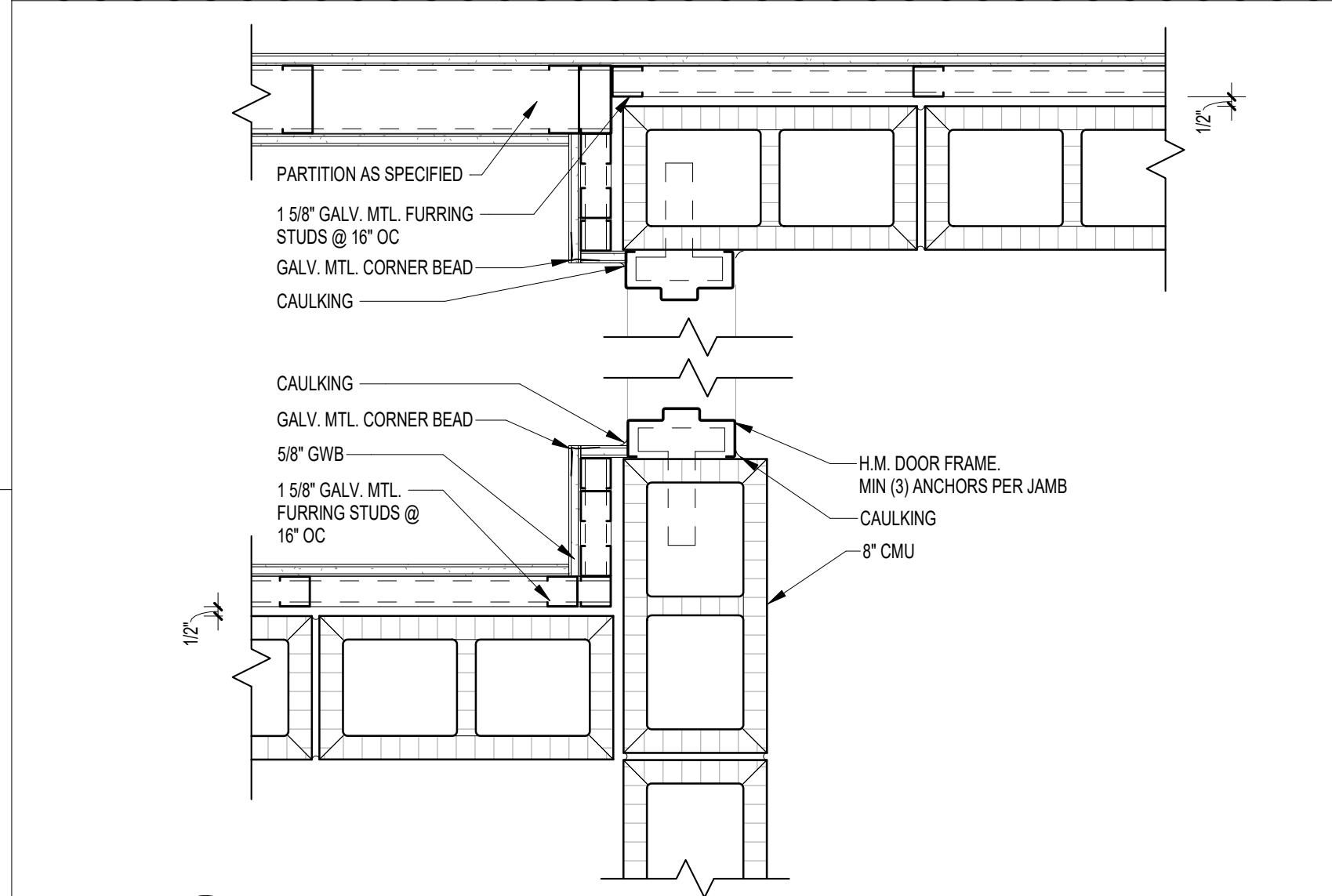
5 PLAN DETAIL
A503 1 1/2" = 1'-0"



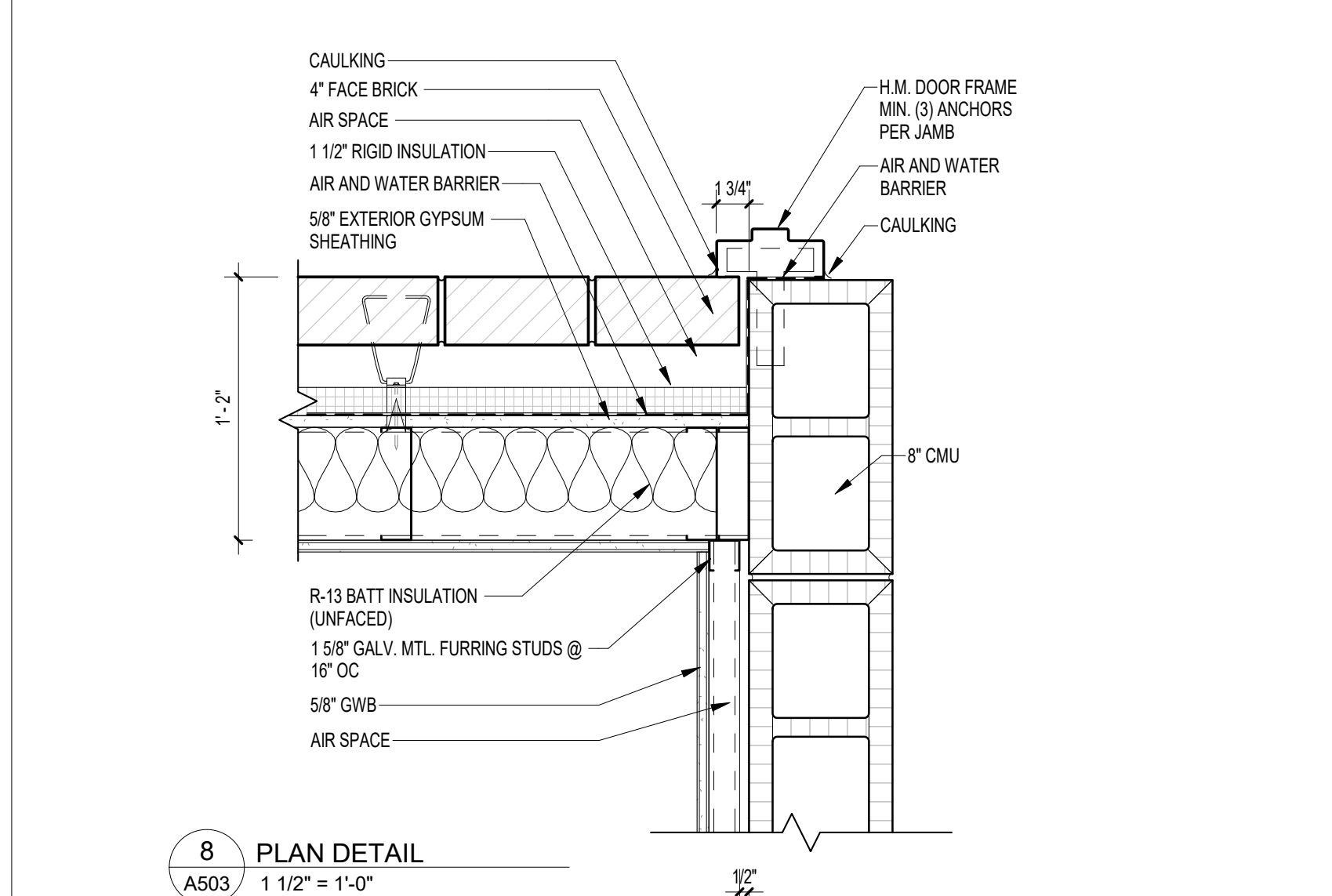
9 PLAN DETAIL
A503 1 1/2" = 1'-0"



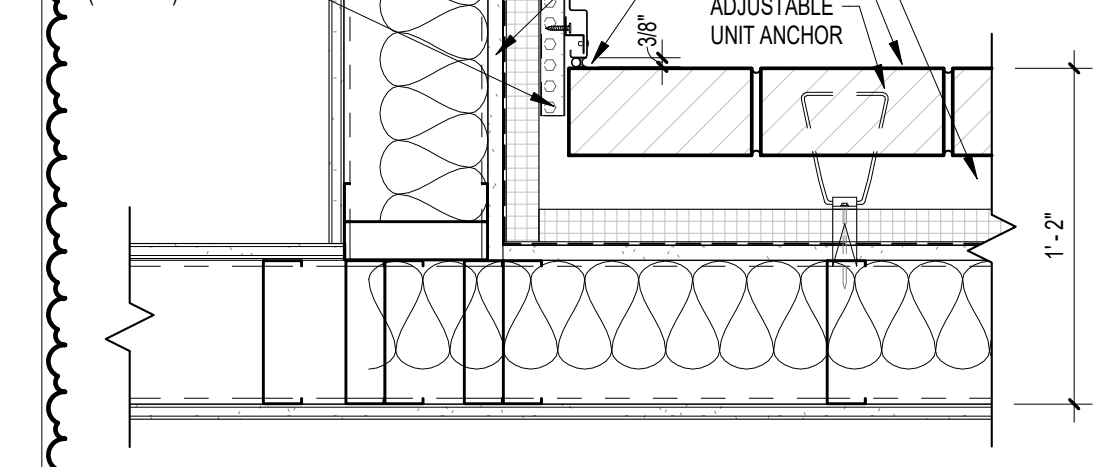
4 PLAN DETAIL
A503 1 1/2" = 1'-0"



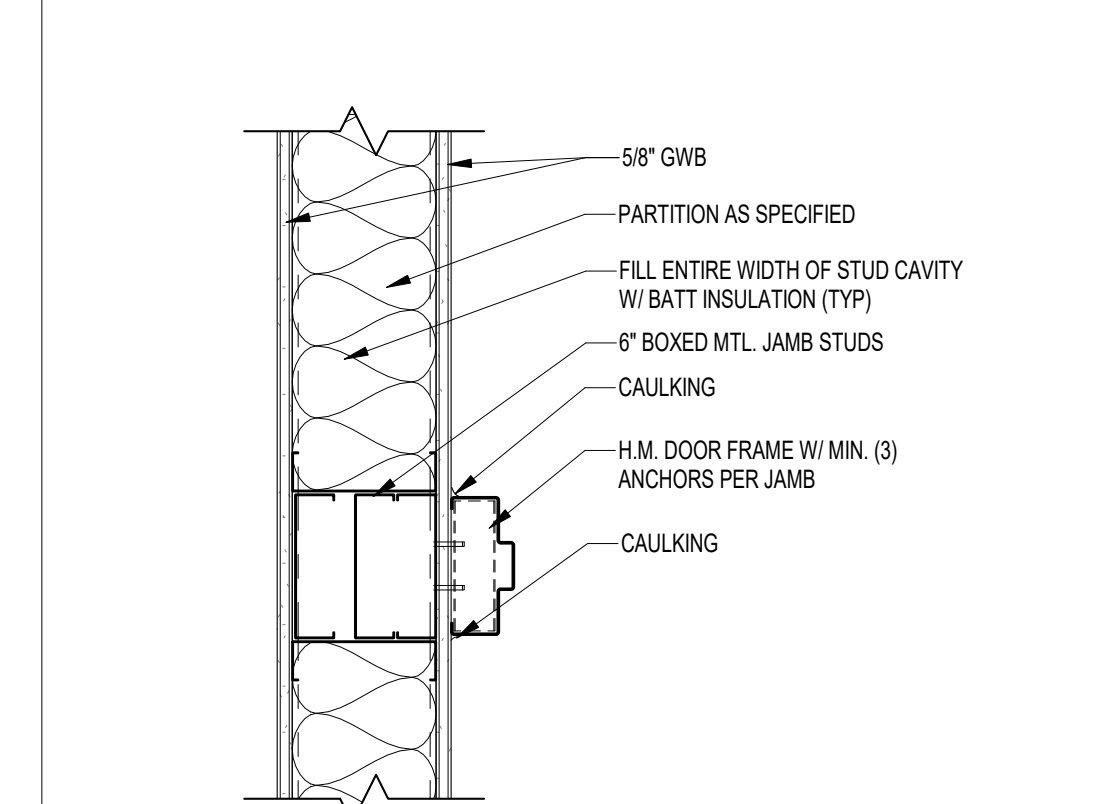
7 PLAN DETAIL
A503 1 1/2" = 1'-0"



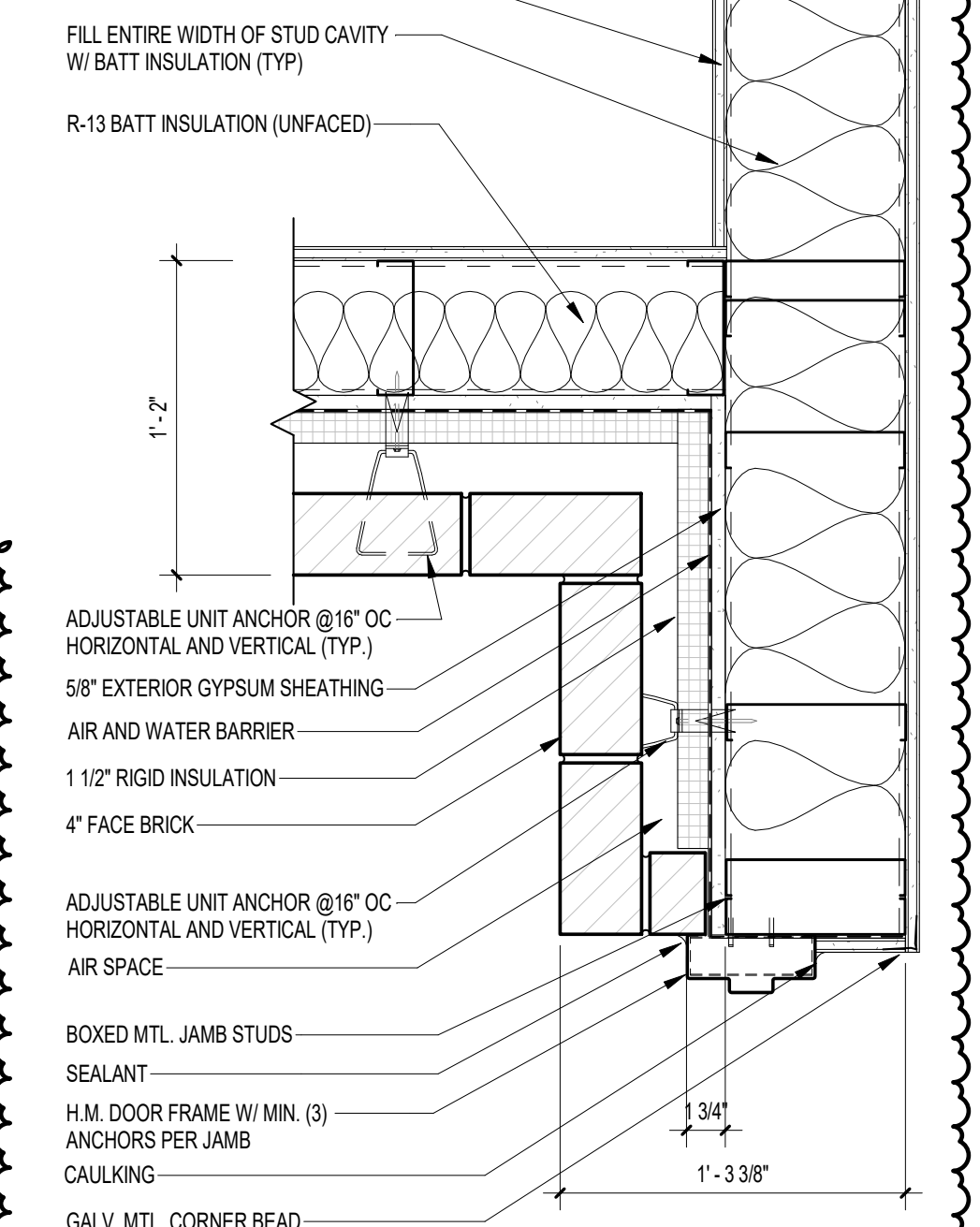
8 PLAN DETAIL
A503 1 1/2" = 1'-0"



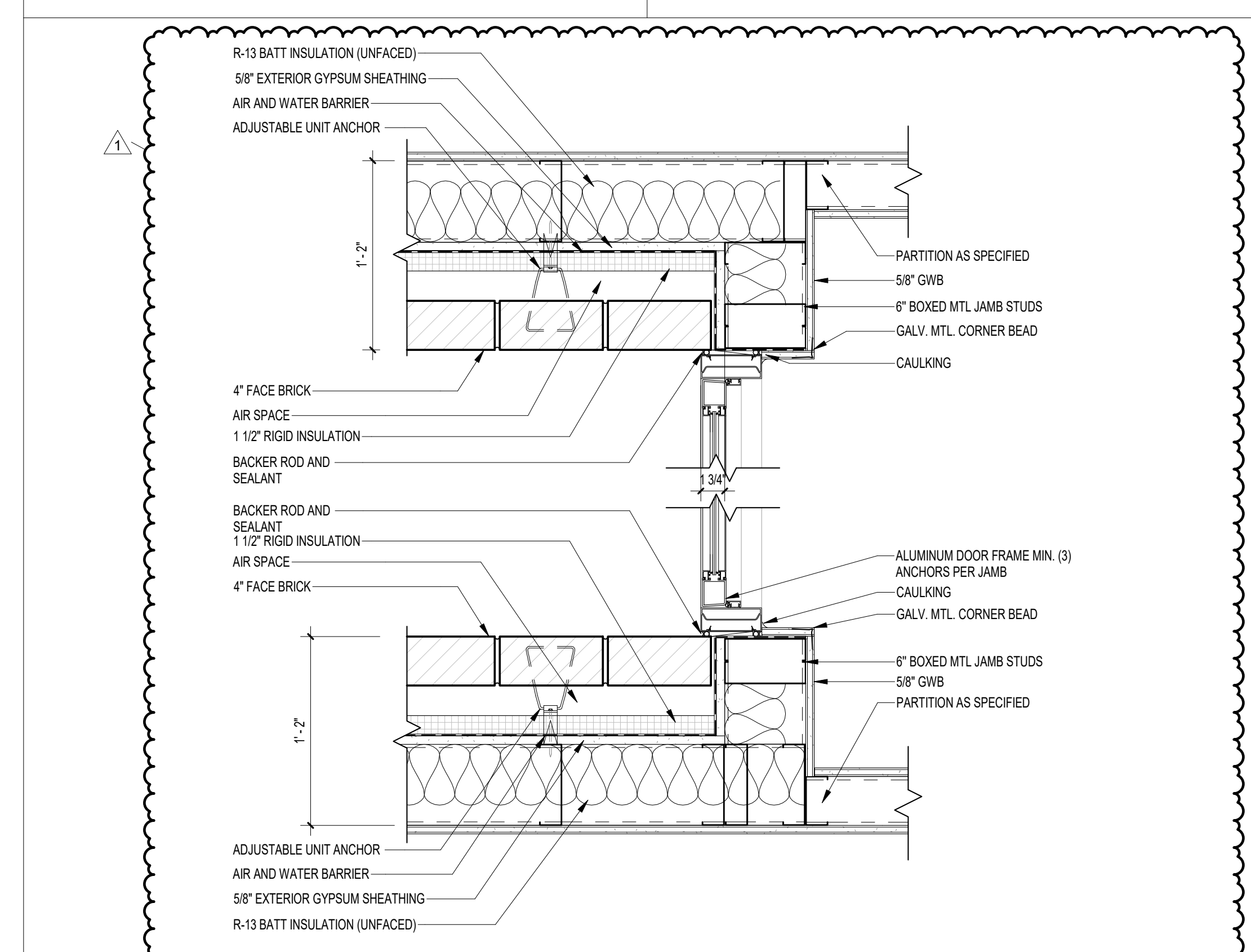
1 PLAN DETAIL
A503 1 1/2" = 1'-0"



2 PLAN DETAIL
A503 1 1/2" = 1'-0"



3 PLAN DETAIL
A503 1 1/2" = 1'-0"



6 PLAN DETAIL
A503 1 1/2" = 1'-0"

GENERAL NOTES (APPLICABLE TO THIS SHEET)

- SEE STRUCTURAL FOR ALL STEEL REINFORCEMENT (TYP.) STEEL REINFORCEMENT IS NOT INDICATED ON THESE DETAILS
- HORIZONTAL JOINT REINFORCEMENT IS GENERALLY NOT SHOWN FOR REASONS OF CLARITY. TIES AND ANCHORS SPECIFICALLY NOTED ON DETAILS ARE IN ADDITION TO HORIZONTAL JOINT REINFORCEMENT UNLESS SPECIFICALLY NOTED OTHERWISE.
- THERE MAY BE ADDITIONAL REQUIREMENTS FOR CMU GROUDED CELLS BEYOND THESE SPECIFICALLY NOTED IN THESE DETAILS. REFER TO STRUCTURAL PLANS AND SPECIFICATIONS.
- NOT ALL COMPONENTS IN EACH DETAIL MAY BE SPECIFICALLY CALLED OUT ON THAT PARTICULAR DETAIL. CONTRACTOR SHALL STILL BE RESPONSIBLE FOR PROVIDING THESE ITEMS IF THEY CAN BE REASONABLY INFERRED TO BE PART OF THE ASSEMBLY BASED ON THERE TYPICAL SIMILAR DETAILS CONTAINED WITHIN THE CONTRACT DOCUMENTS.
- SEE BUILDING ELEVATIONS FOR ALL BRICK EXPANSION JOINT (BEJ) LOCATIONS (TYP)

NOTE:
11' x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS

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PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE
15 JANUARY 2025

DRAWN BY
Author

PROJECT NO
68100

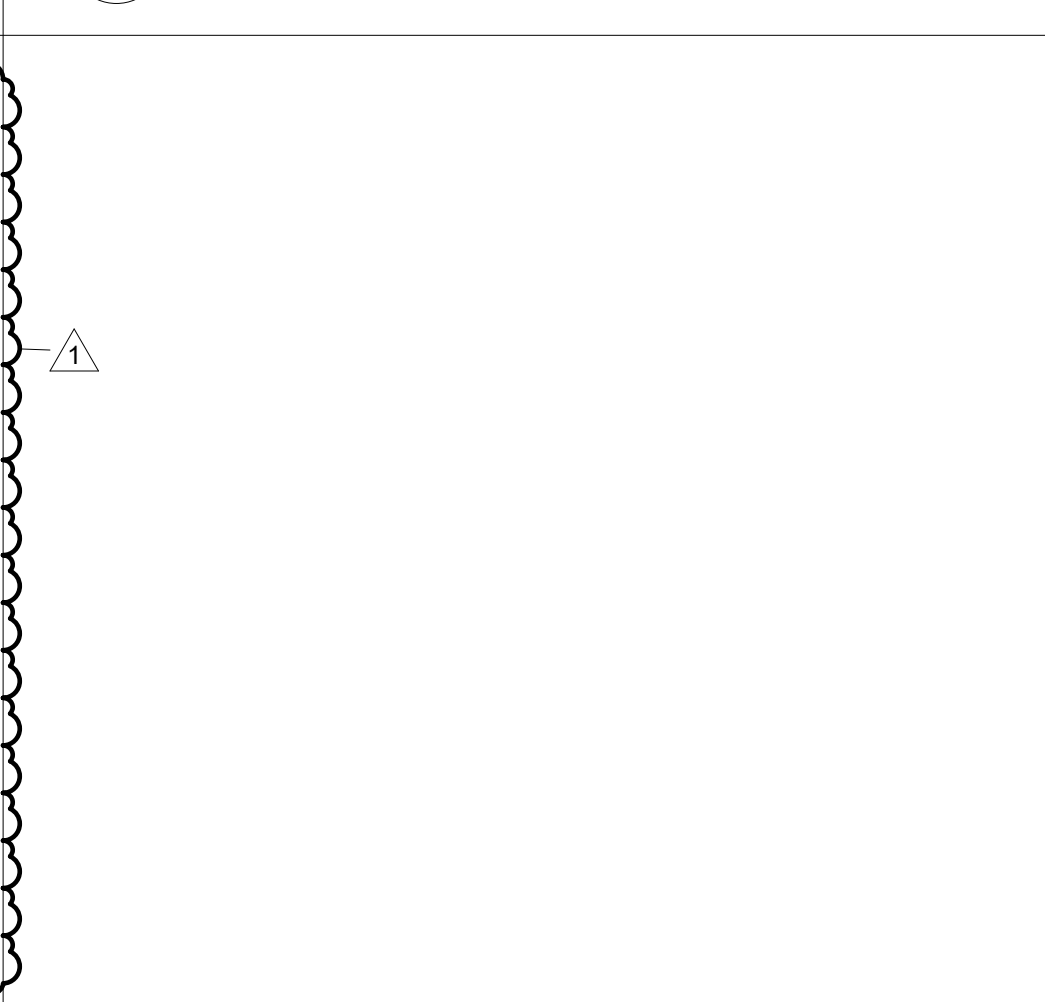
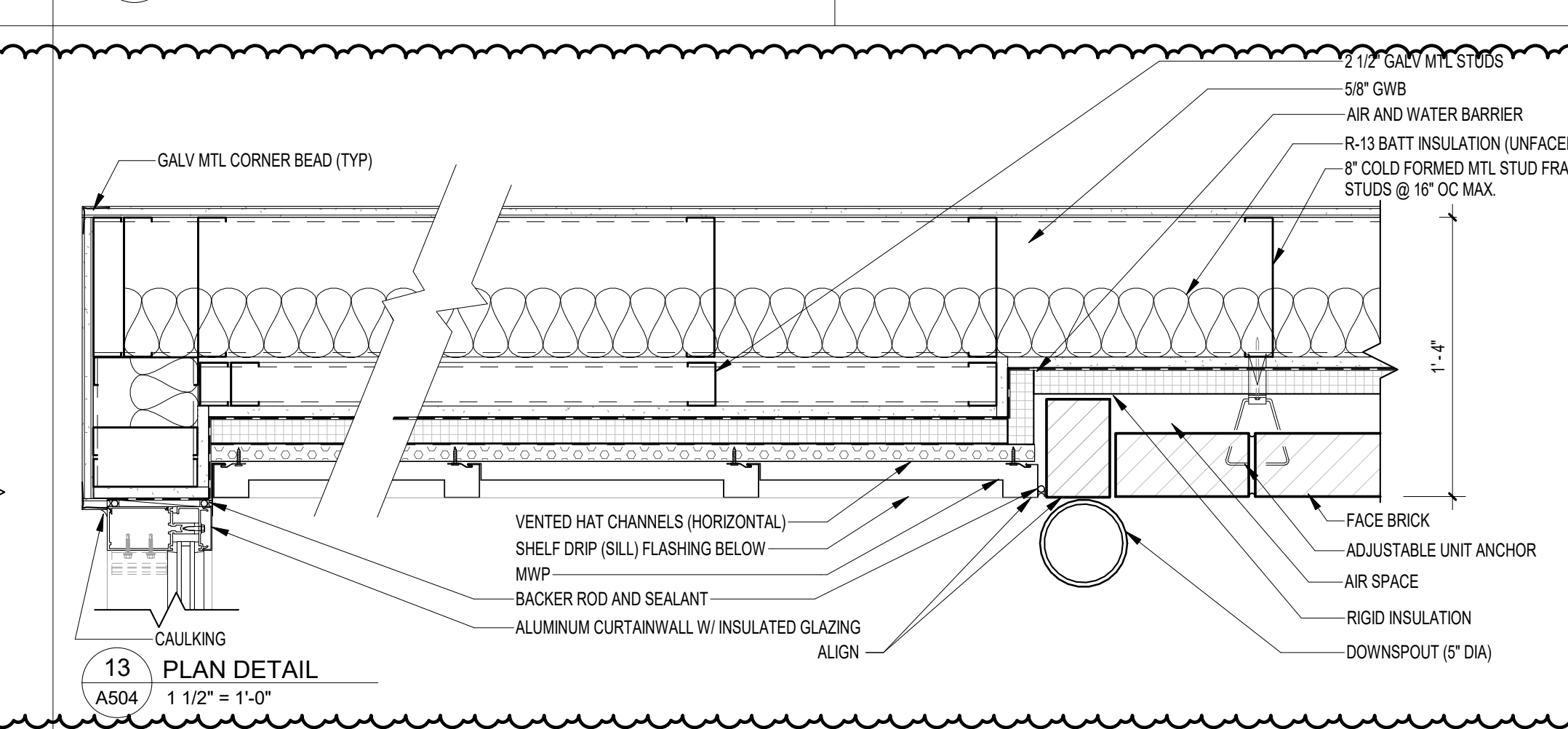
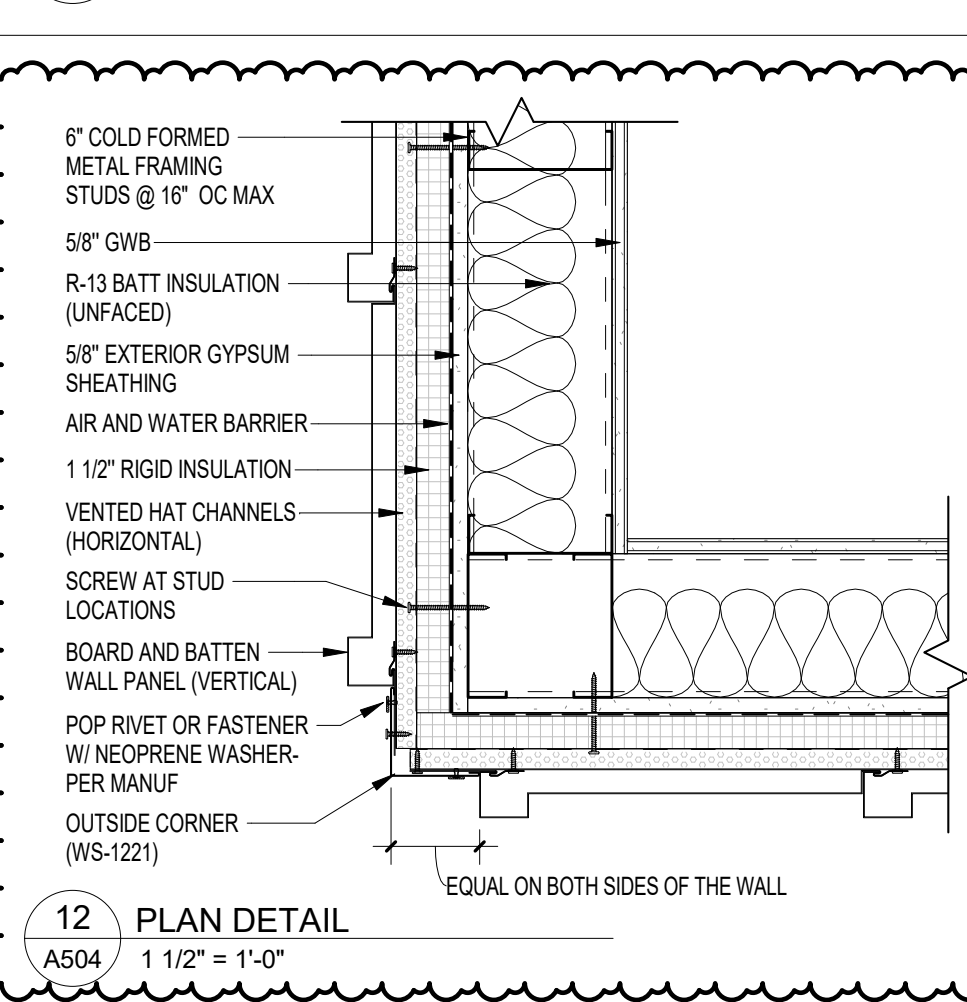
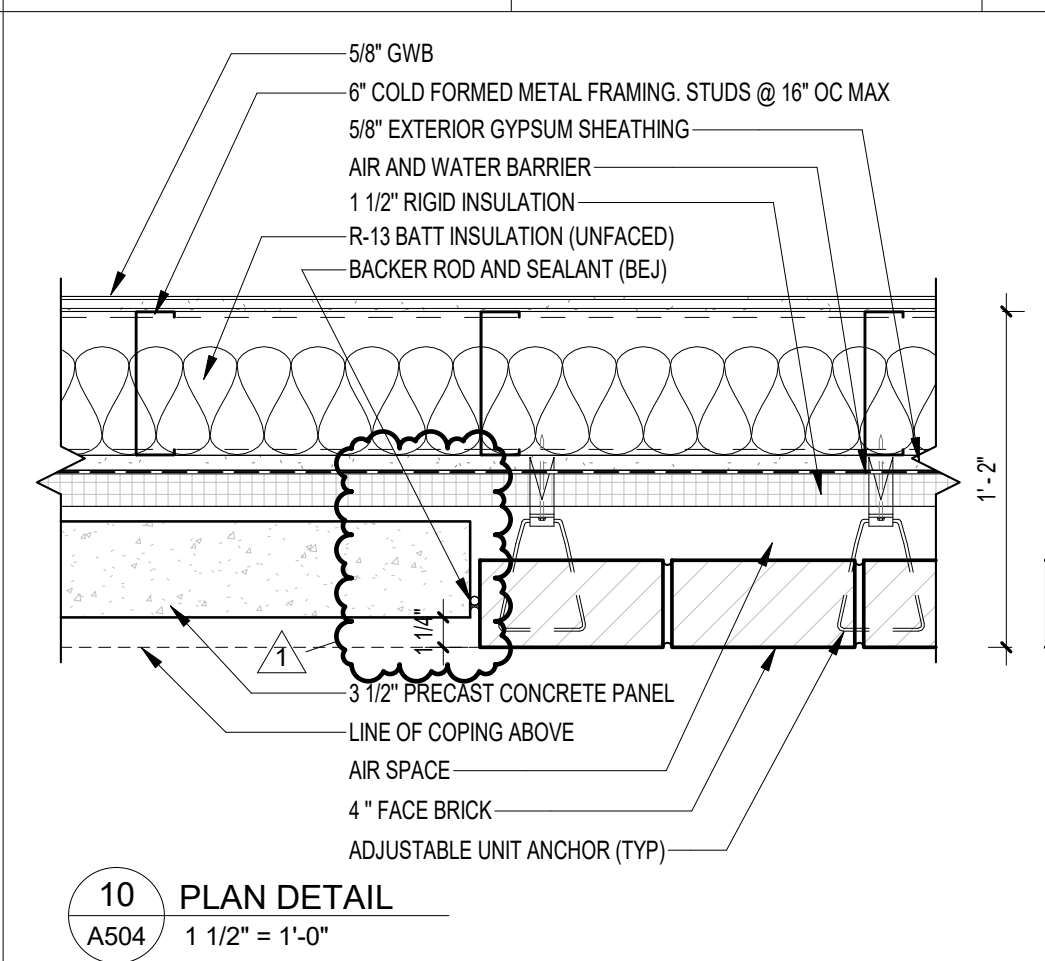
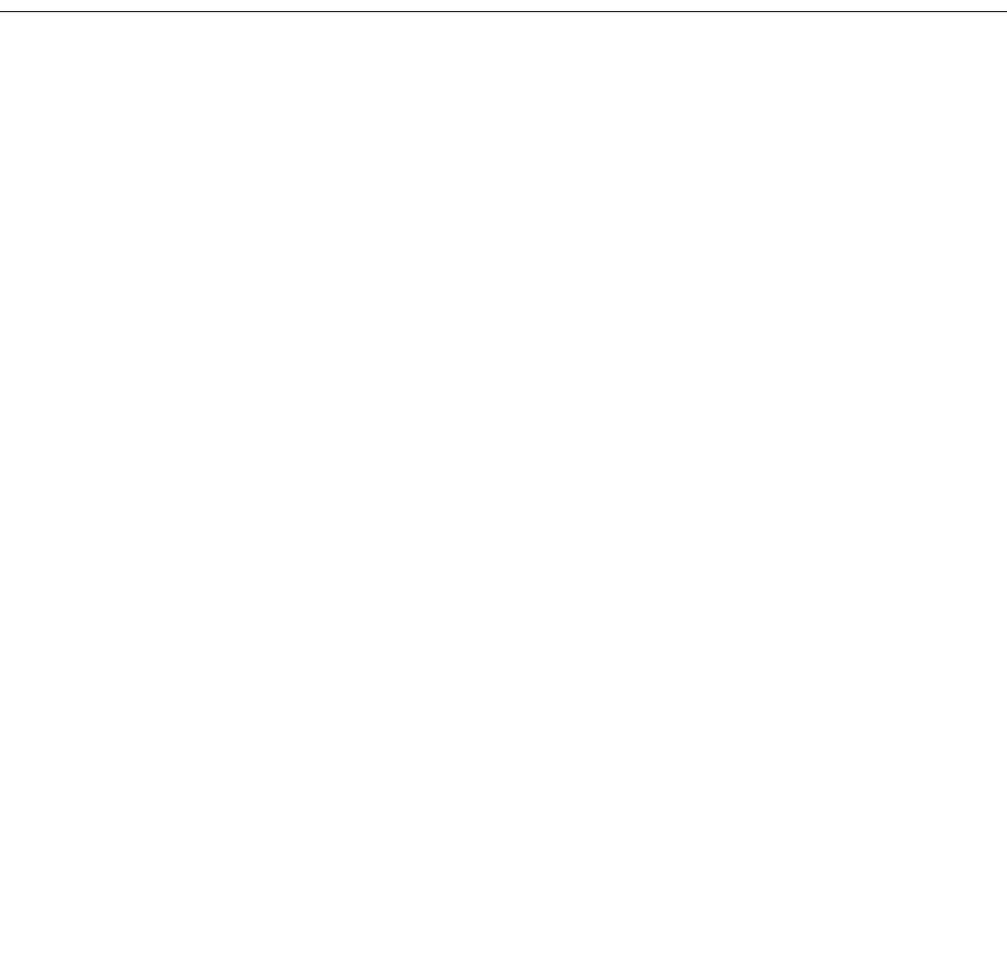
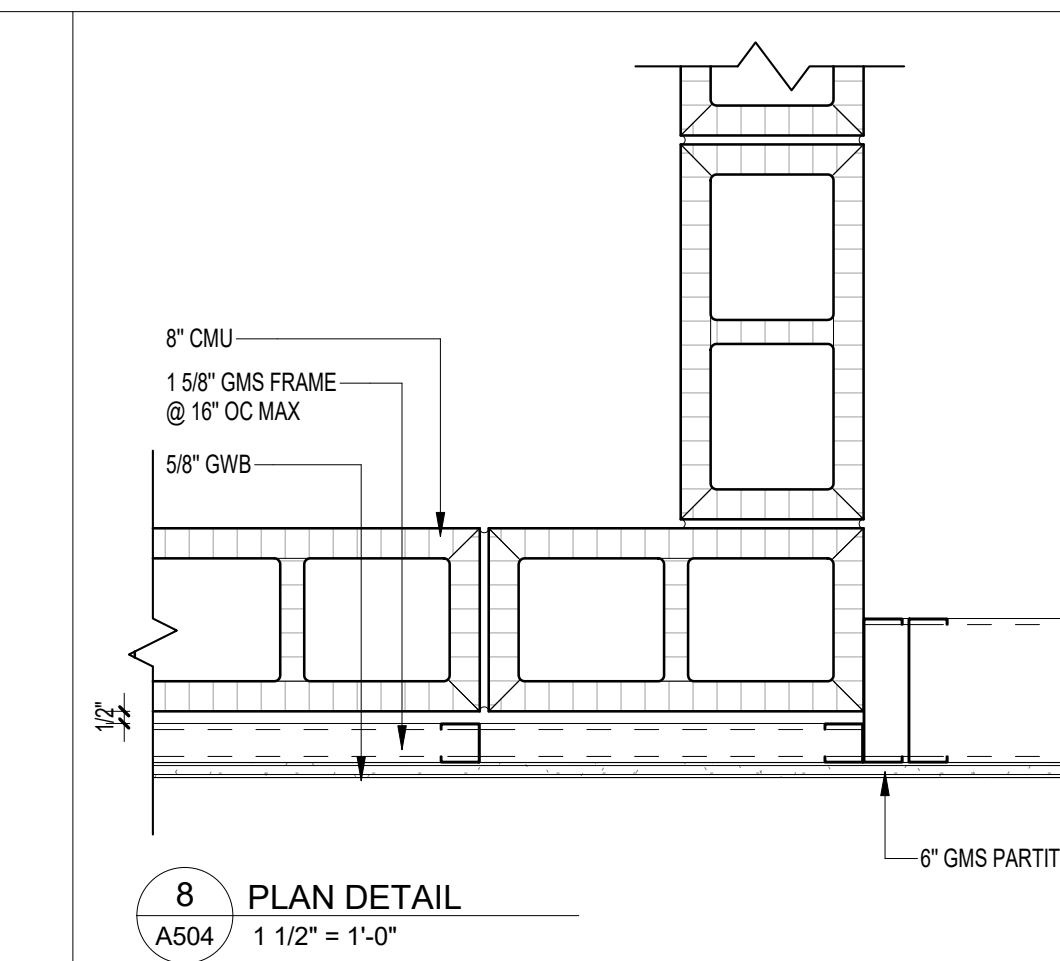
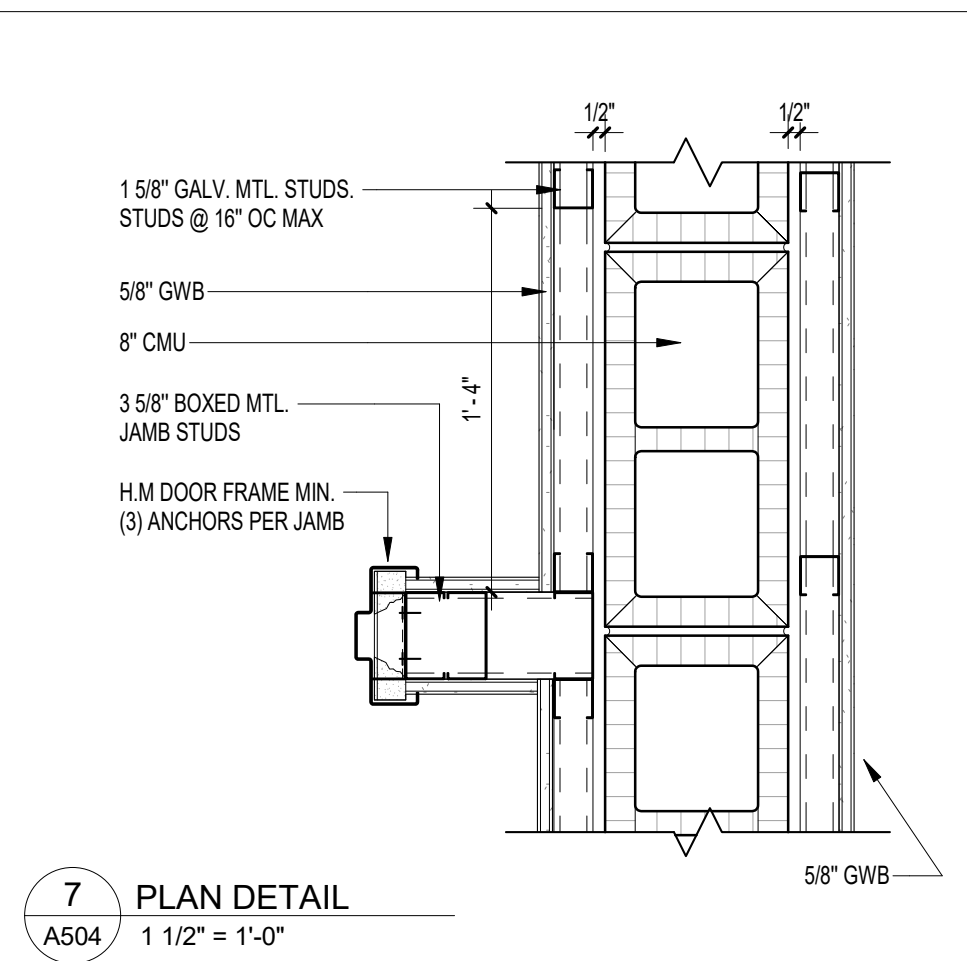
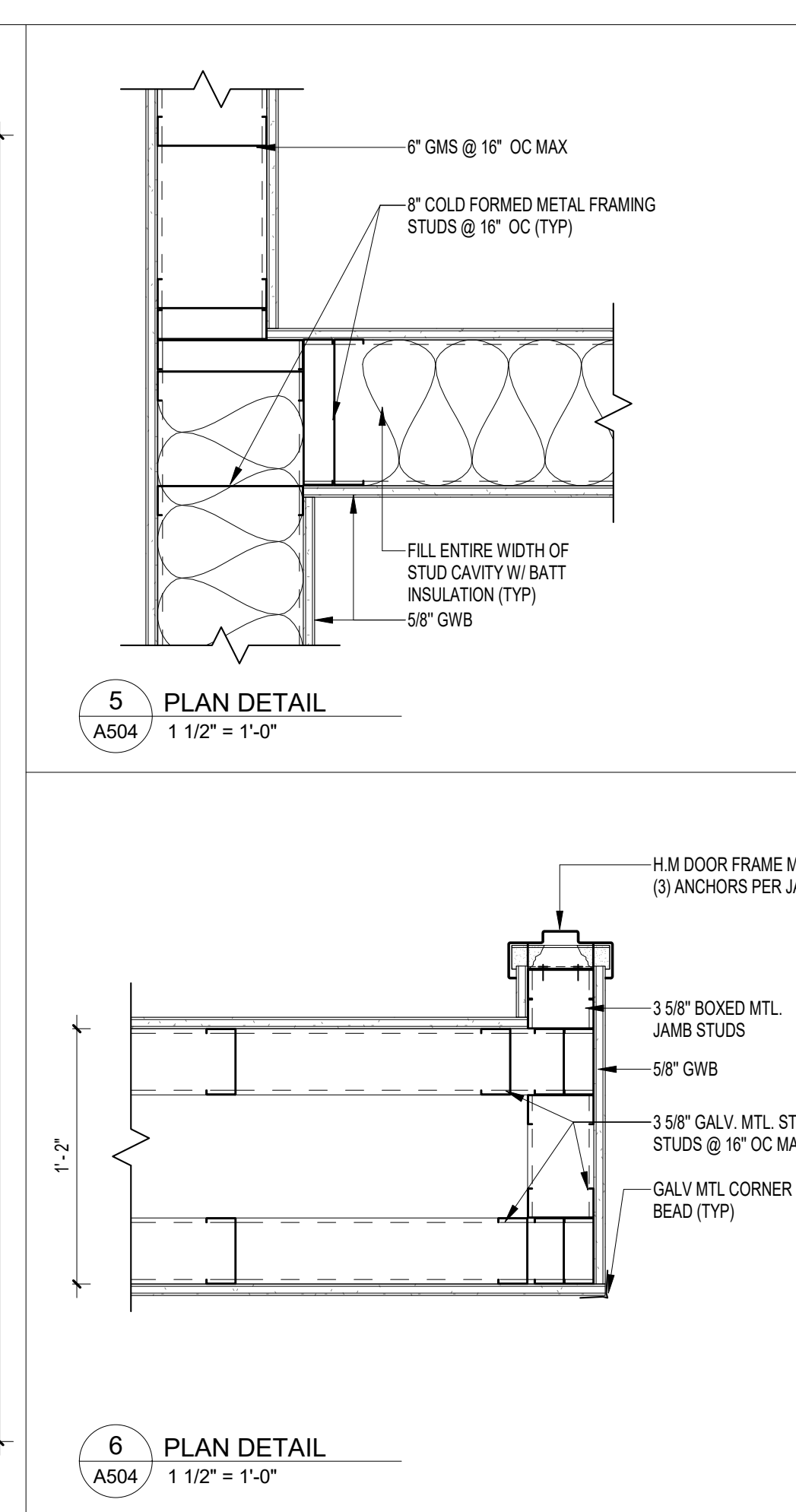
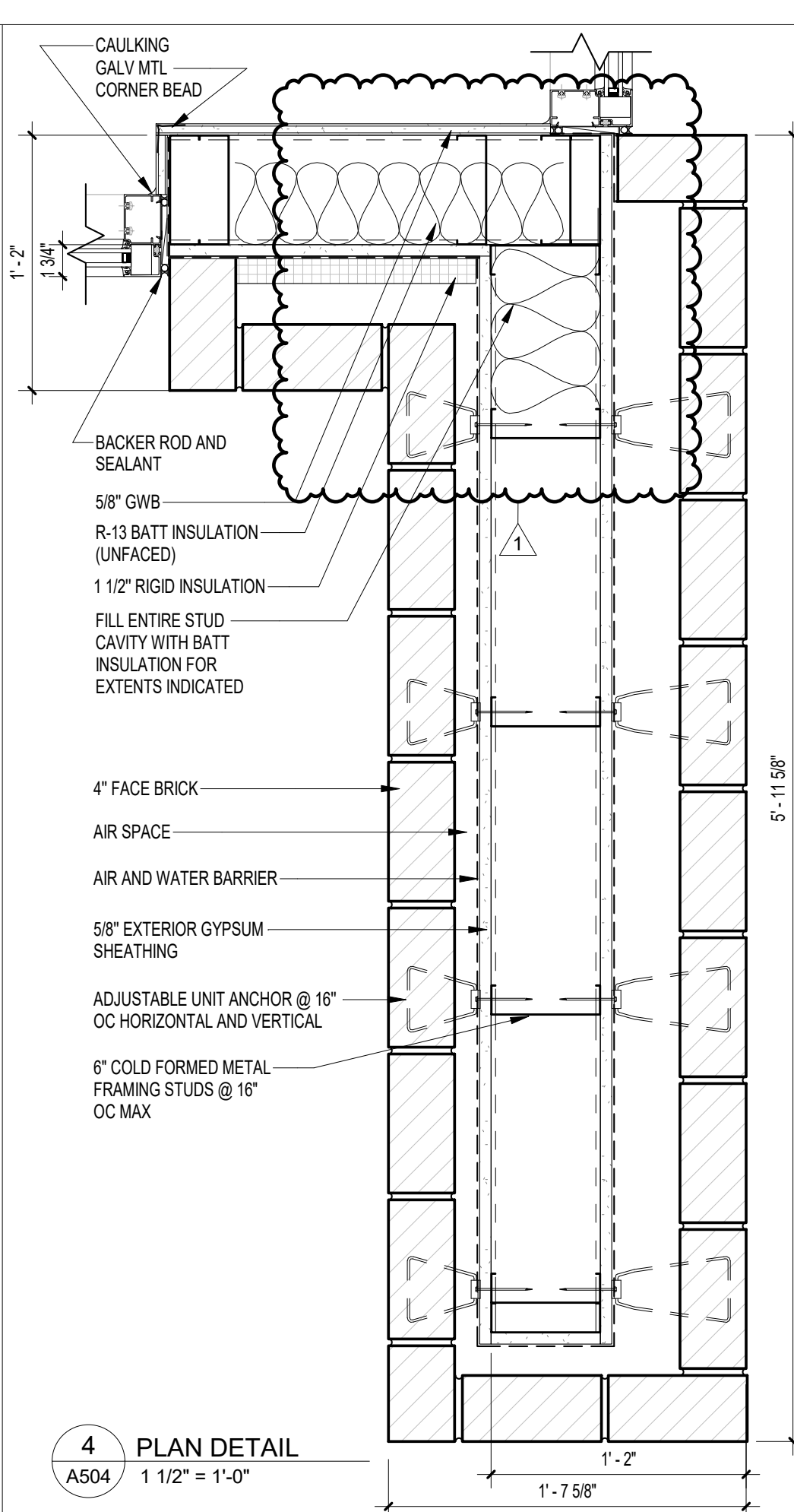
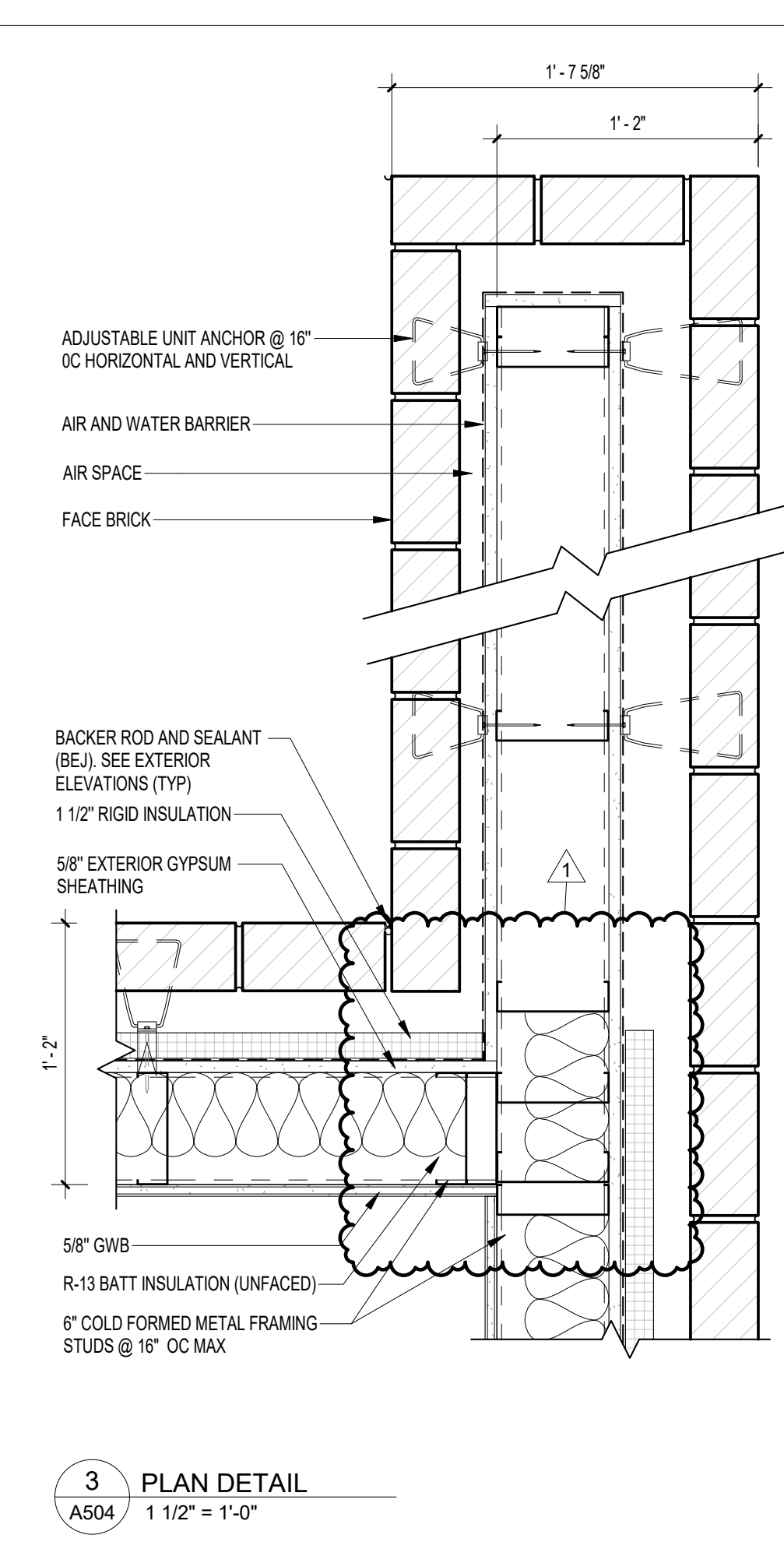
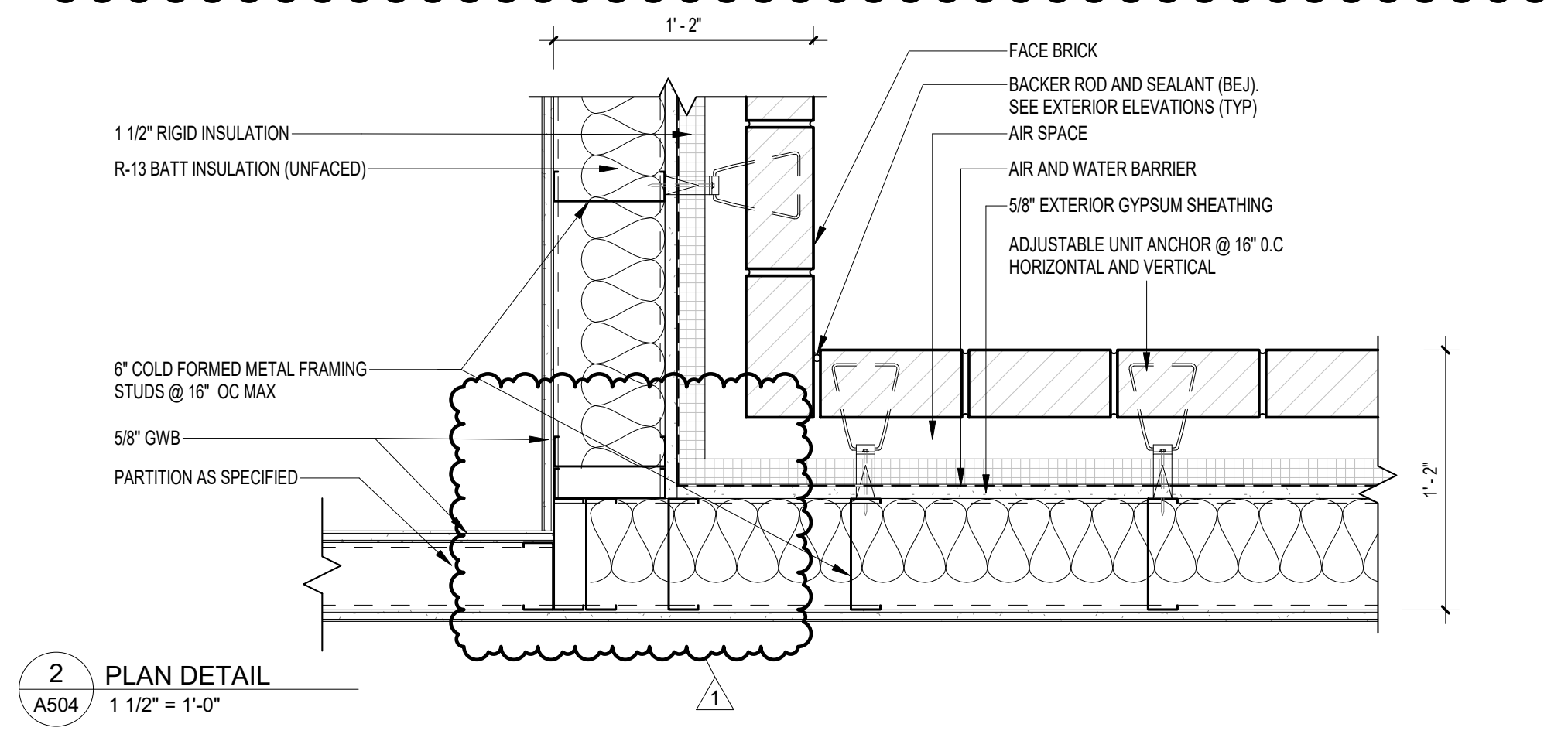
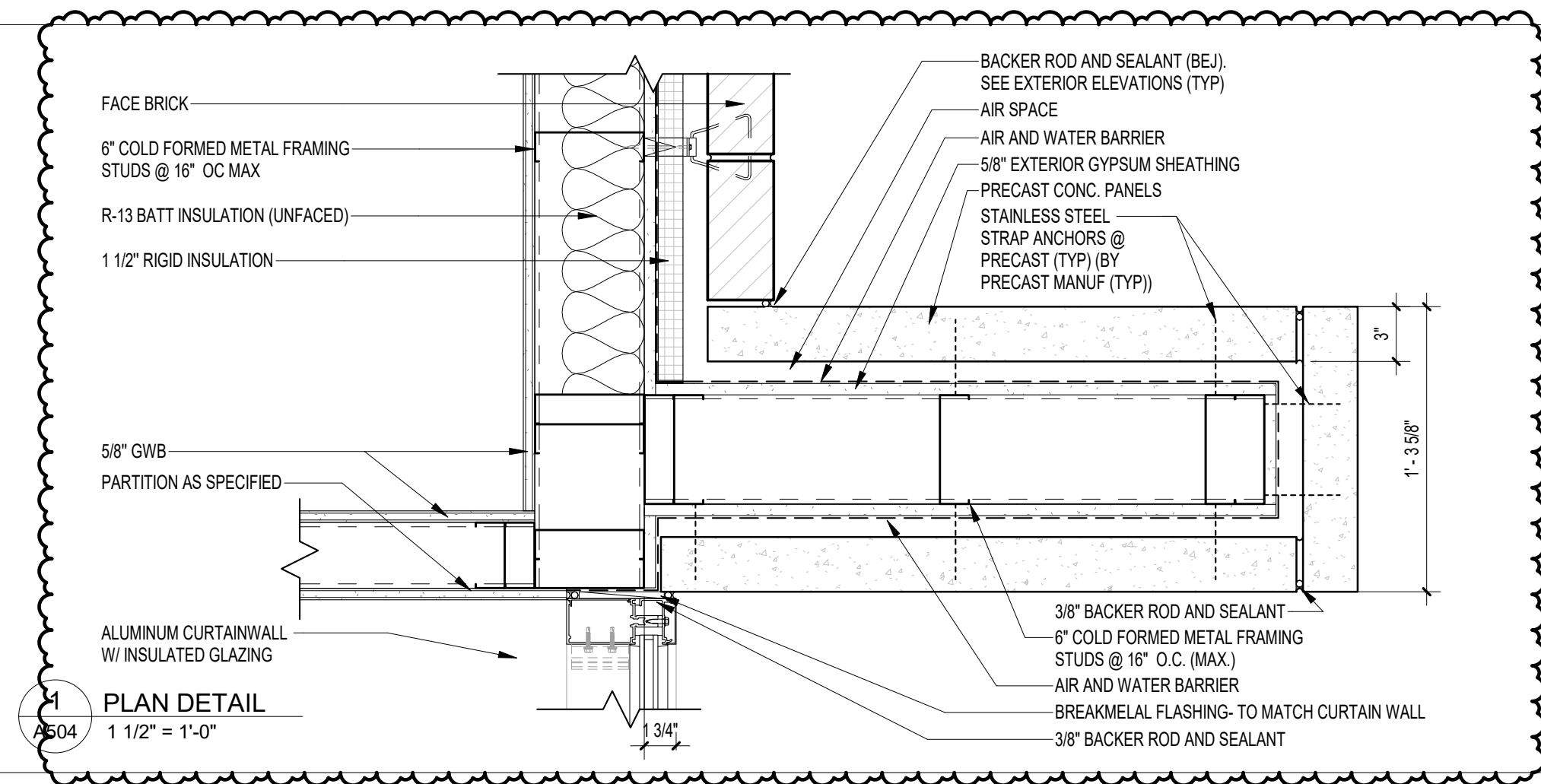
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SHEET TITLE

PLAN DETAILS

SHEET NO
A504

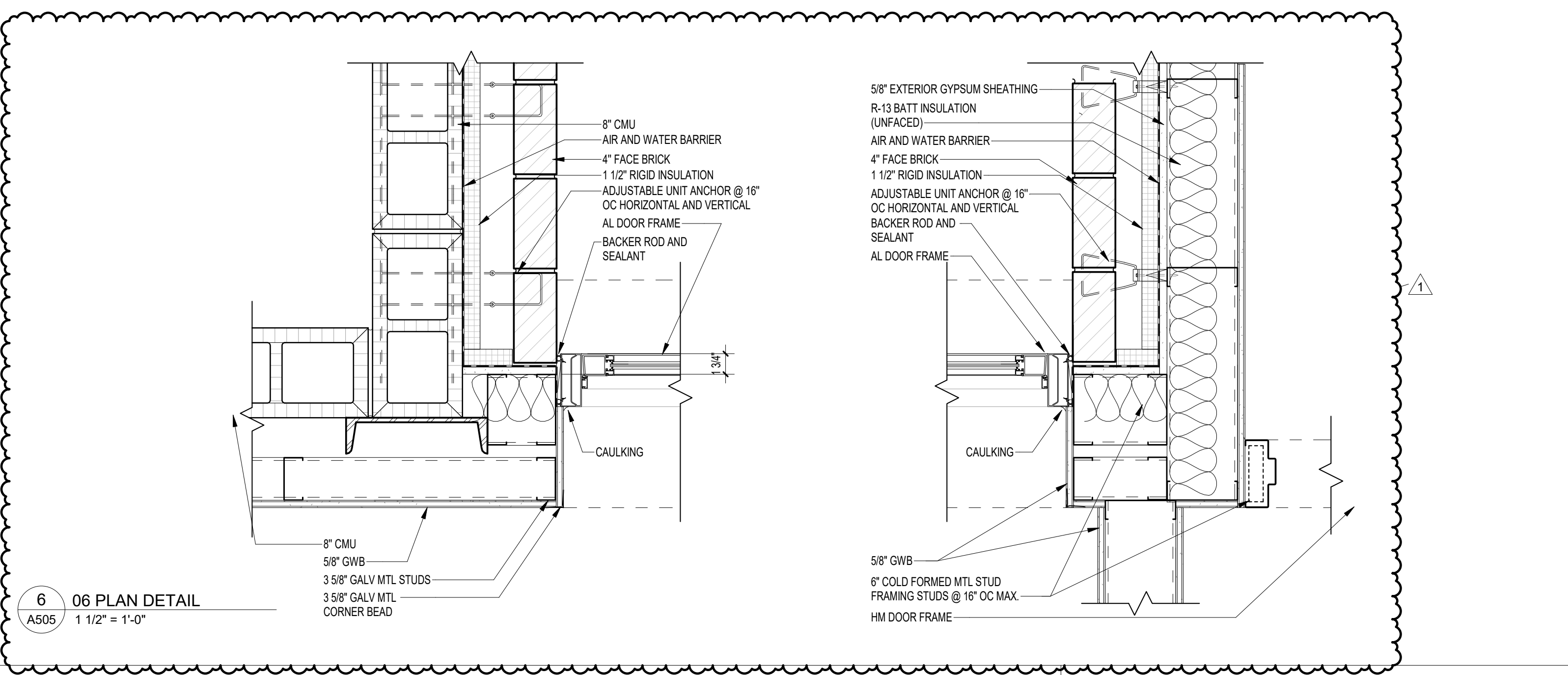
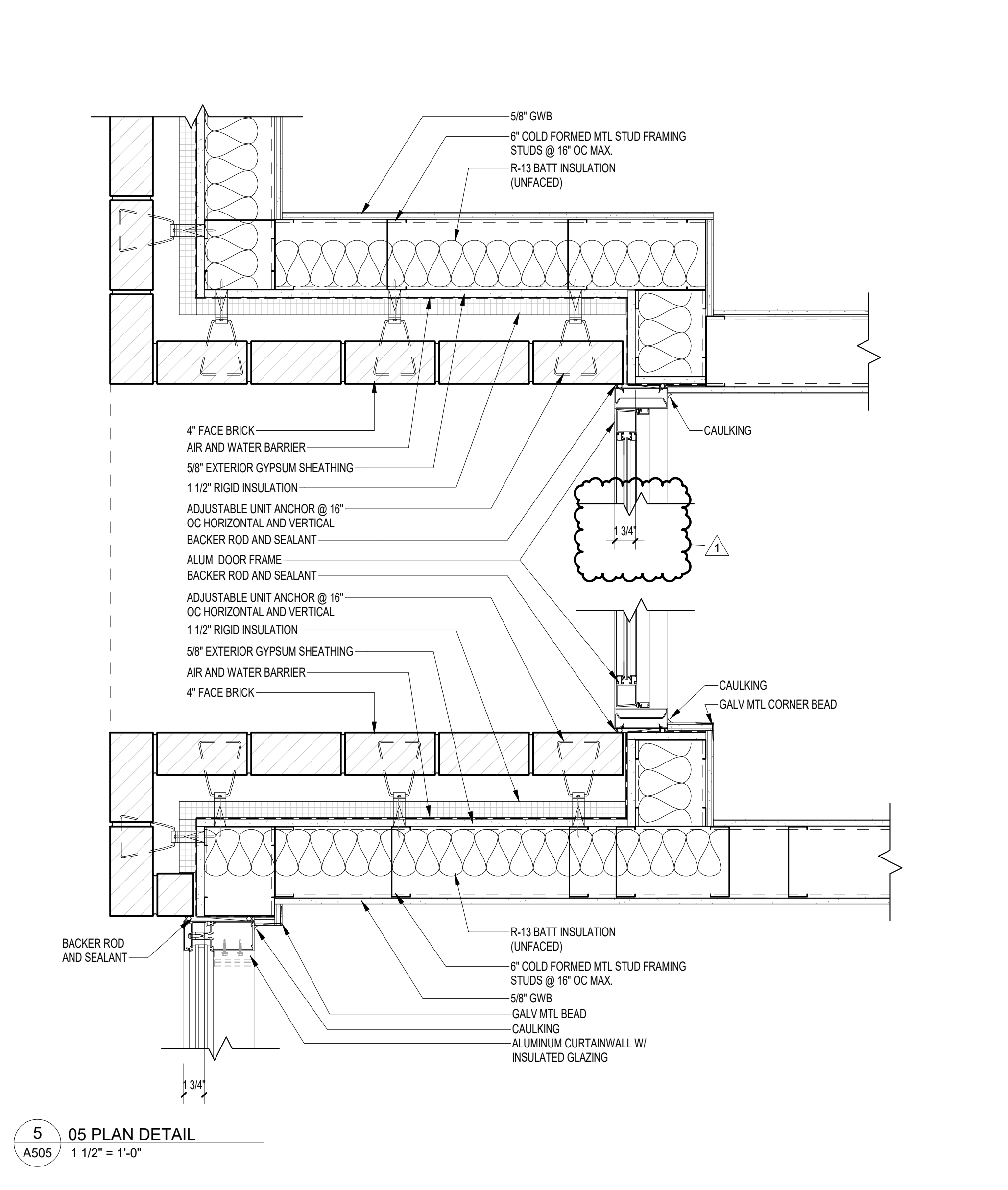
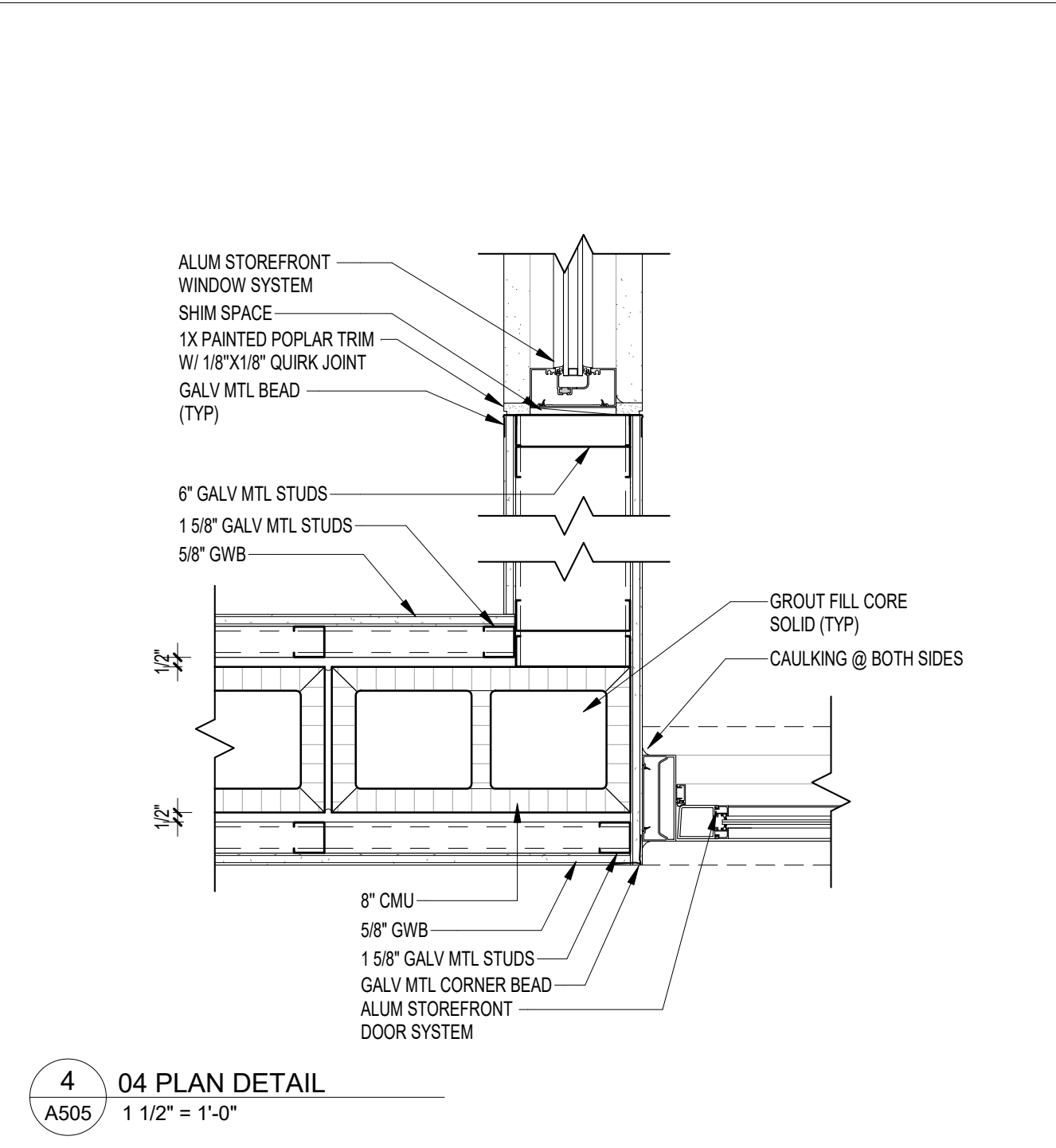
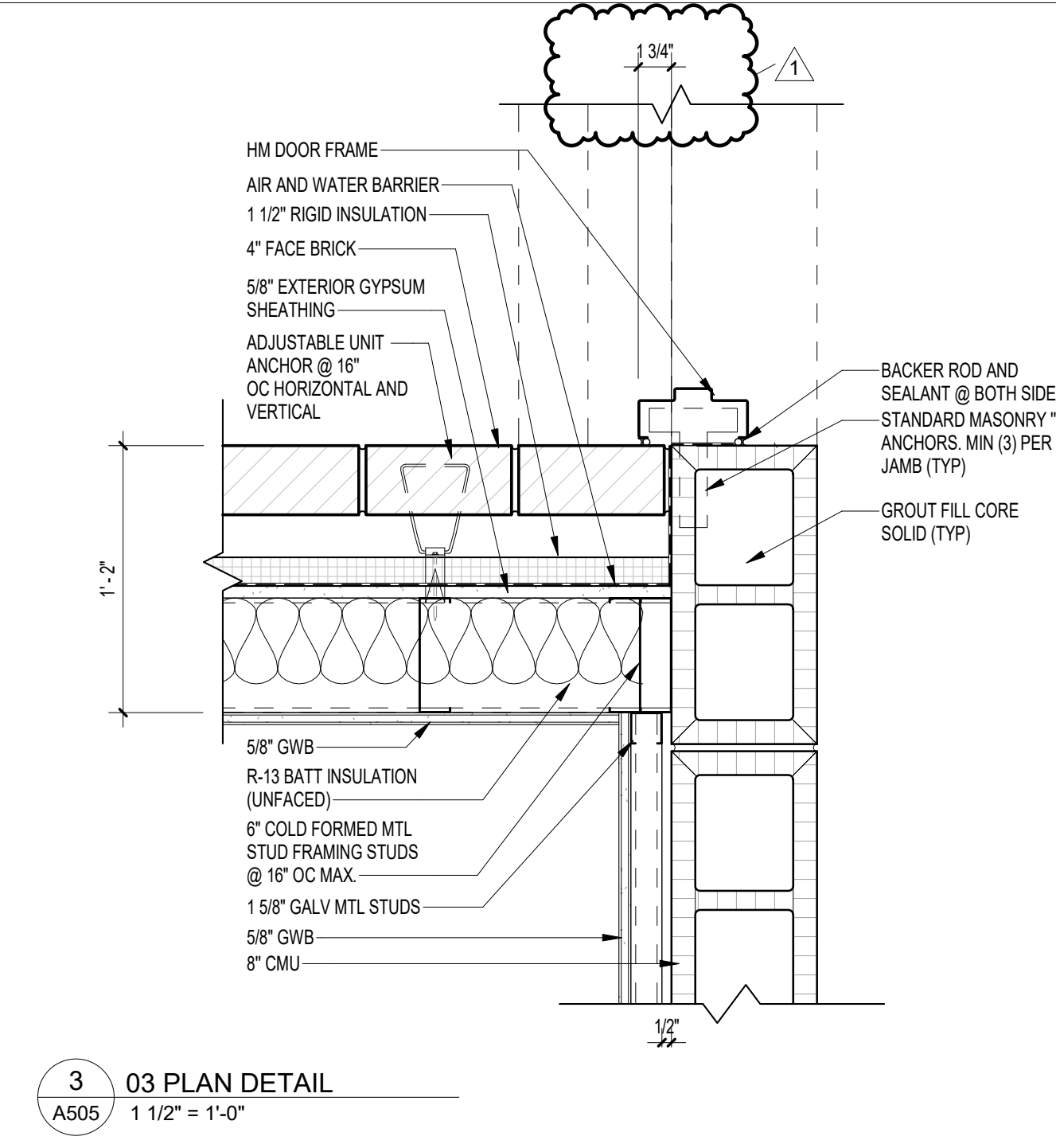
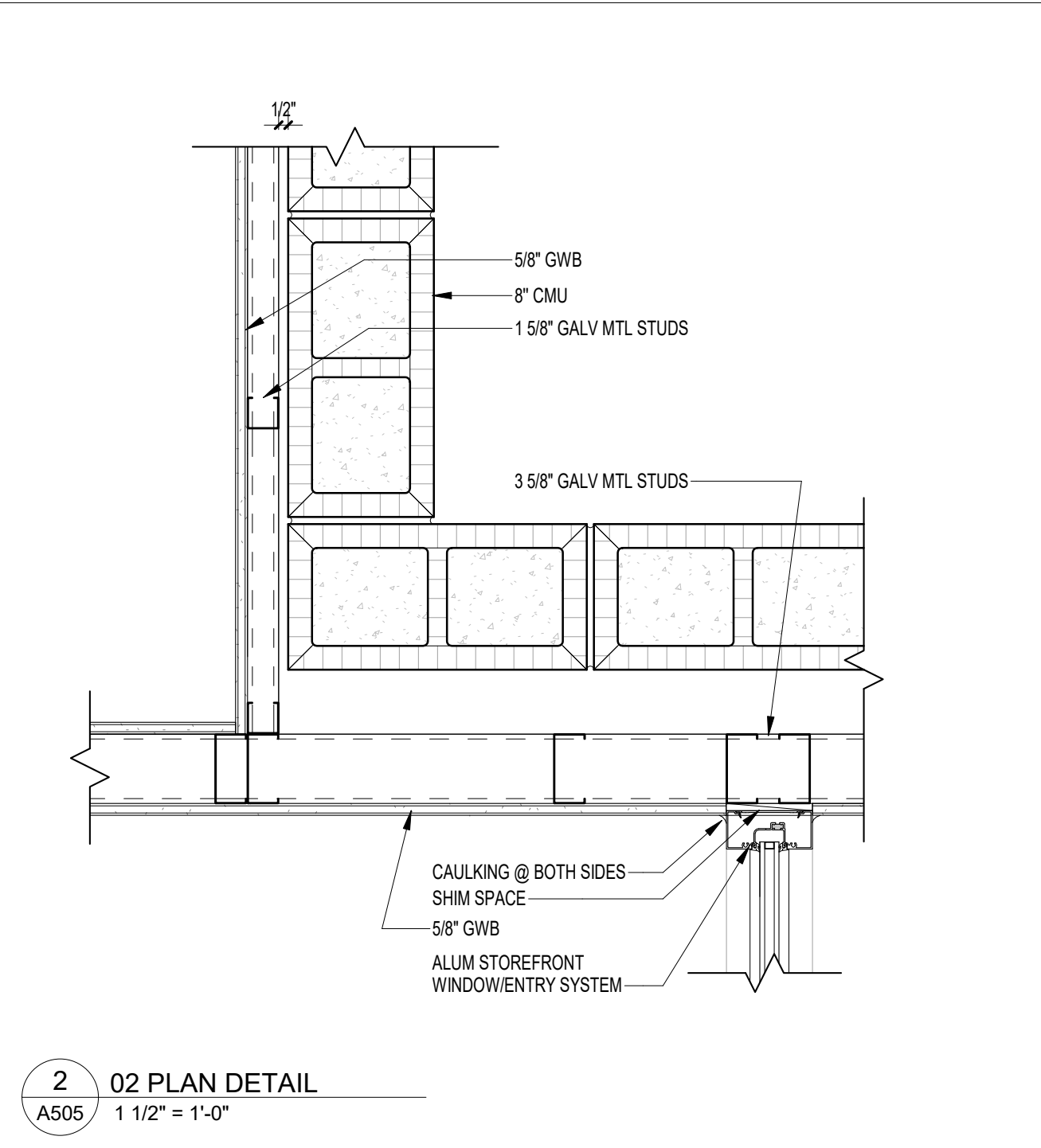
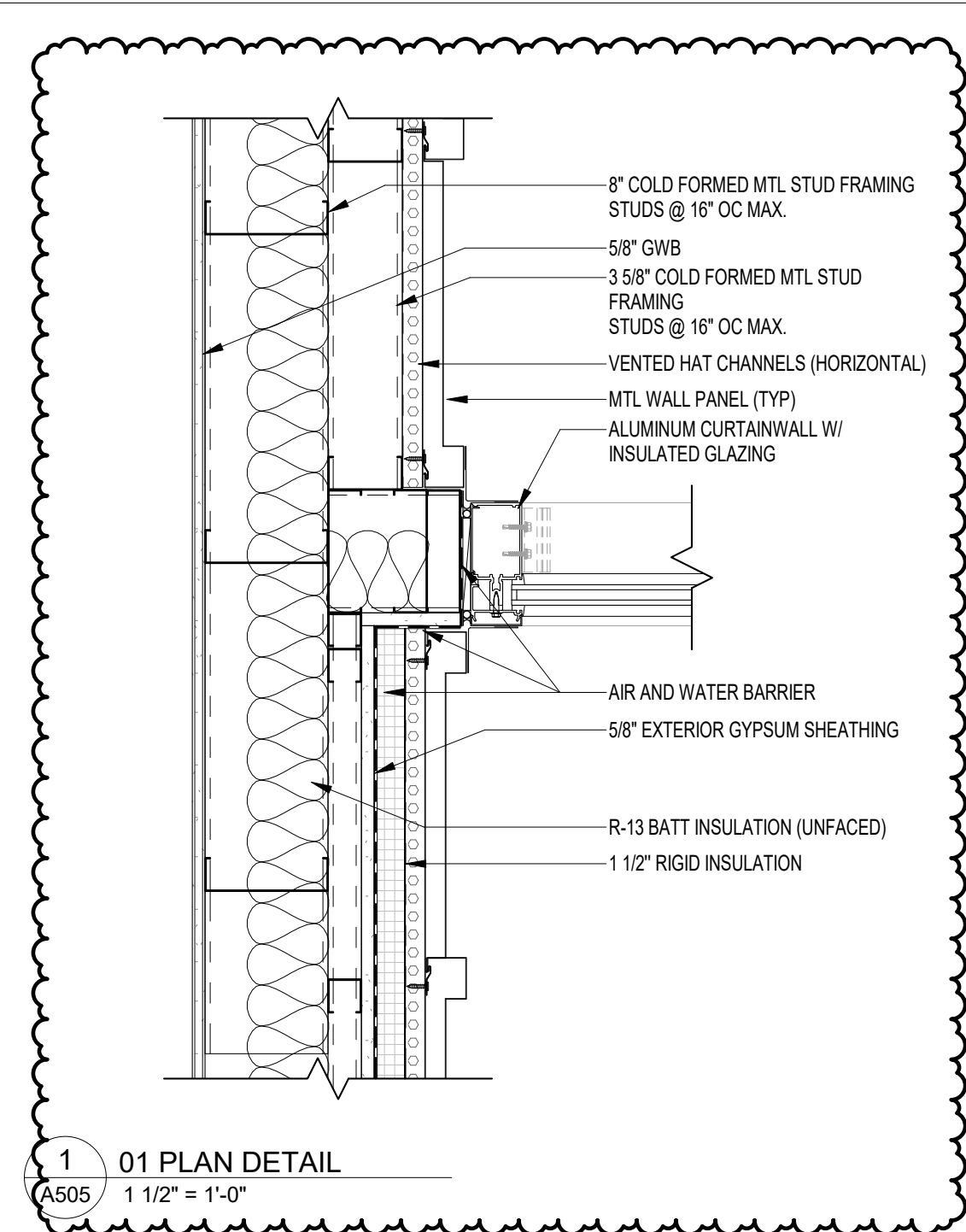
REV NO
1



GENERAL NOTES (APPLICABLE TO THIS SHEET)

- SEE STRUCTURAL FOR ALL STEEL REINFORCEMENT (TYP.) STEEL REINFORCEMENT IS NOT INDICATED ON THESE DETAILS
- HORIZONTAL JOINT REINFORCEMENT IS GENERALLY NOT SHOWN FOR REASONS OF CLARITY. TIES AND ANCHORS SPECIFICALLY NOTED ON DETAILS ARE IN ADDITION TO HORIZONTAL JOINT REINFORCEMENT UNLESS SPECIFICALLY NOTED OTHERWISE.
- THERE MAY BE ADDITIONAL REQUIREMENTS FOR CMU GROUDED CELLS BEYOND THESE SPECIFICALLY NOTED IN THESE DETAILS. REFER TO STRUCTURAL PLANS AND SPECIFICATIONS.
- NOT ALL COMPONENTS IN EACH DETAIL MAY BE SPECIFICALLY CALLED OUT ON THAT PARTICULAR DETAIL. CONTRACTOR SHALL STILL BE RESPONSIBLE FOR PROVIDING THESE ITEMS IF THEY CAN BE REASONABLY INFERRED TO BE PART OF THE ASSEMBLY BASED ON THESE TYPICAL SIMILAR DETAILS CONTAINED WITHIN THE CONTRACT DOCUMENTS.
- SEE BUILDING ELEVATIONS FOR ALL BRICK EXPANSION JOINT (BEJ) LOCATIONS (TYP)

NOTE:
11' x 17' SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS



- GENERAL NOTES (APPLICABLE TO THIS SHEET)**
- SEE STRUCTURAL FOR ALL STEEL REINFORCEMENT (TYP.) STEEL REINFORCEMENT IS NOT INDICATED ON THESE DETAILS
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 - THERE MAY BE ADDITIONAL REQUIREMENTS FOR CMU GROUTED CELLS BEYOND THESE SPECIFICALLY NOTED IN THESE DETAILS. REFER TO STRUCTURAL PLANS AND SPECIFICATIONS.
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 - SEE BUILDING ELEVATIONS FOR ALL BRICK EXPANSION JOINT (BEJ) LOCATIONS (TYP)

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REV	DATE	DESCRIPTION
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PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE	15 JANUARY 2025	DRAWN BY	Author
PROJECT NO	68100	CHECKED BY	Checker

SHEET TITLE
PLAN DETAILS

SHEET NO	A505	REV NO	1
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NOTE:
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CONSTRUCTION DOCUMENTS

DATE
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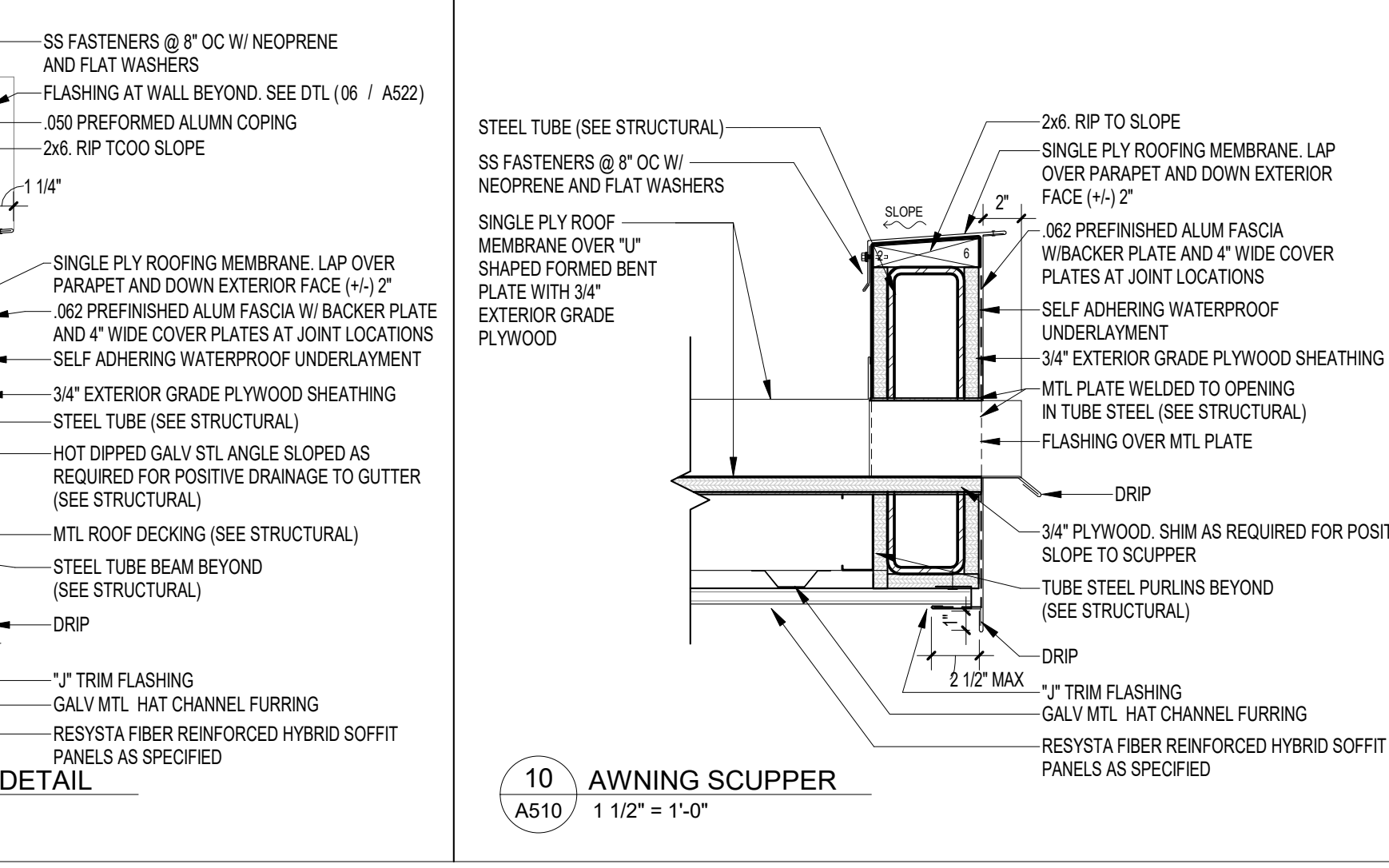
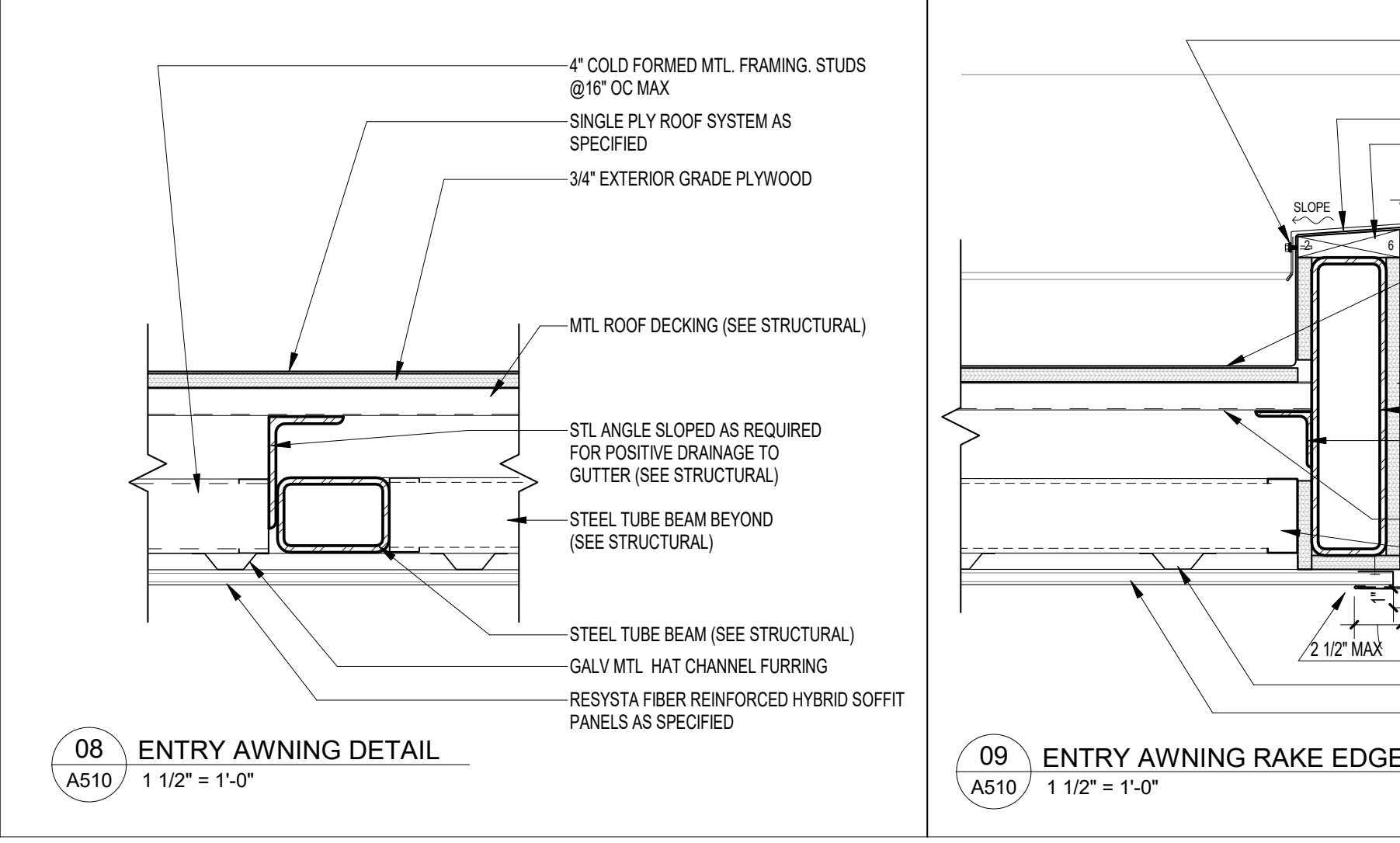
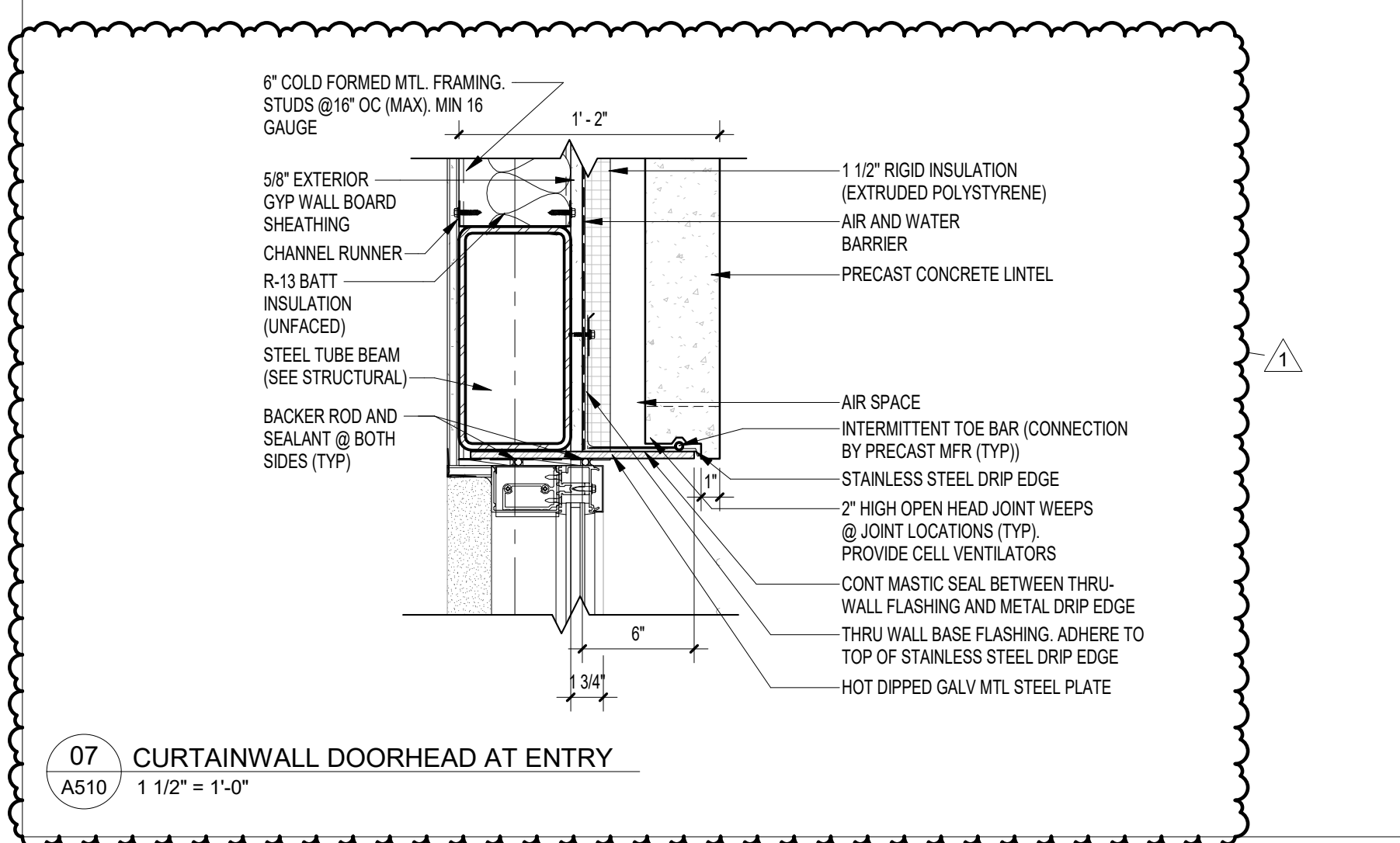
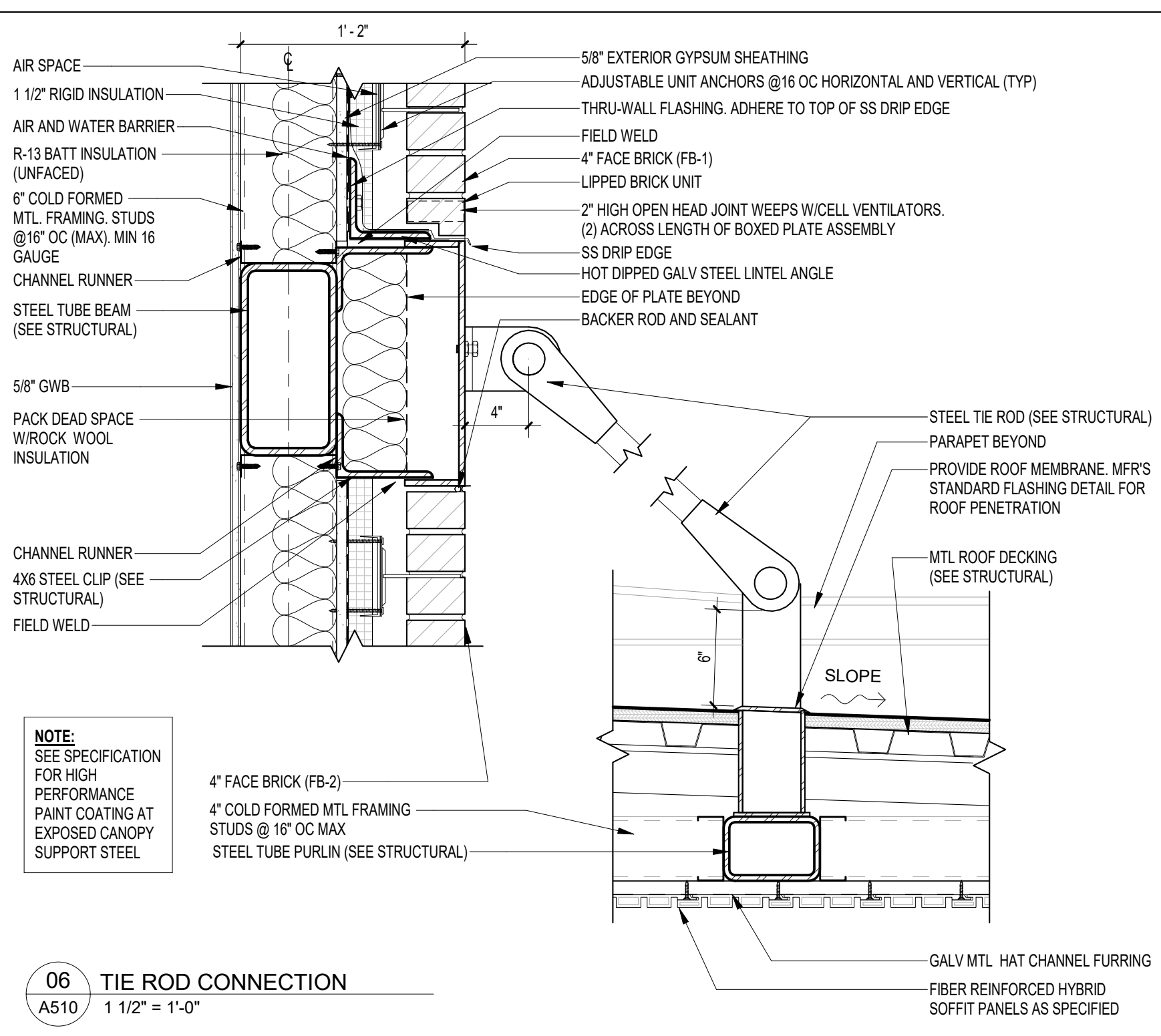
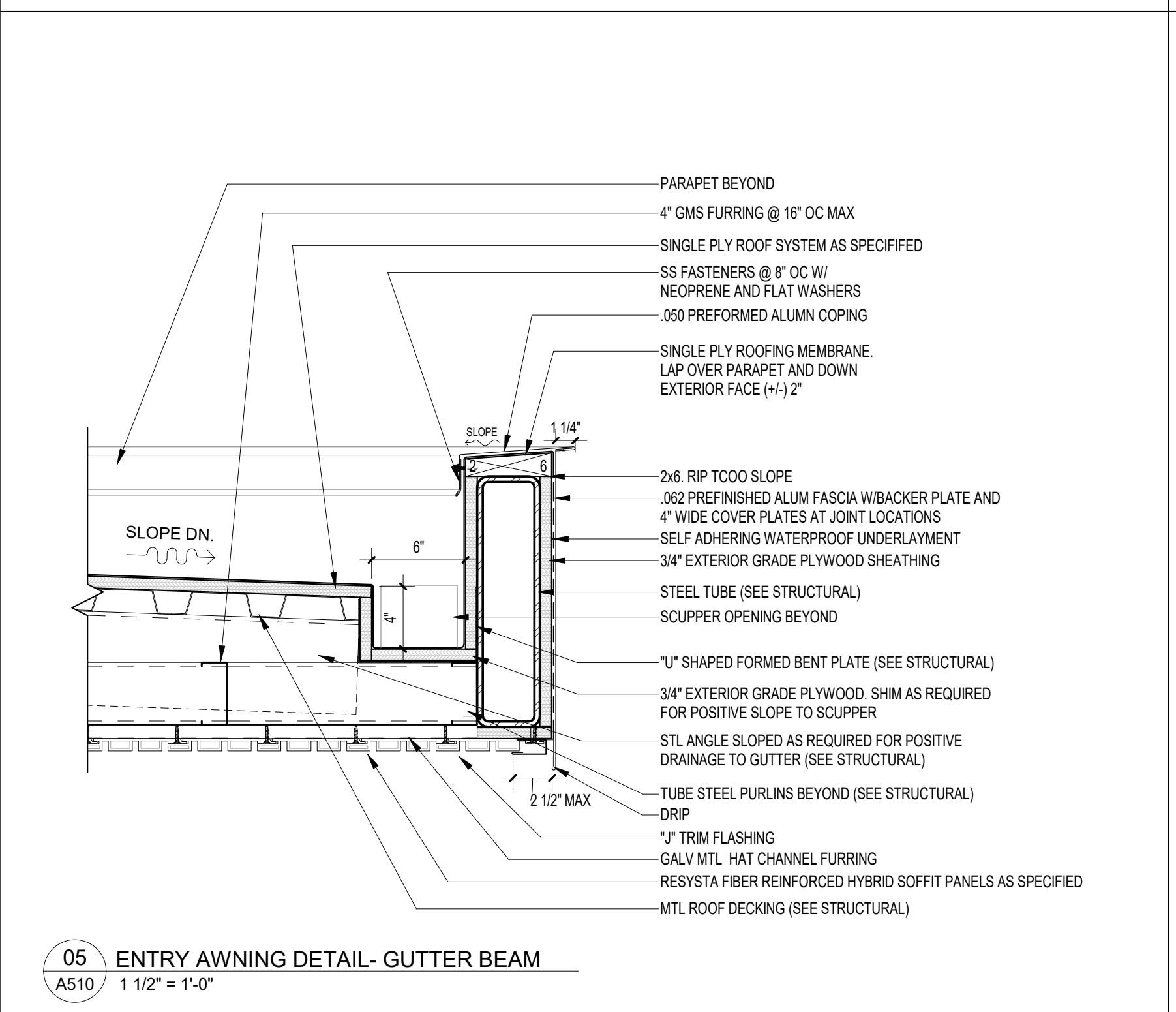
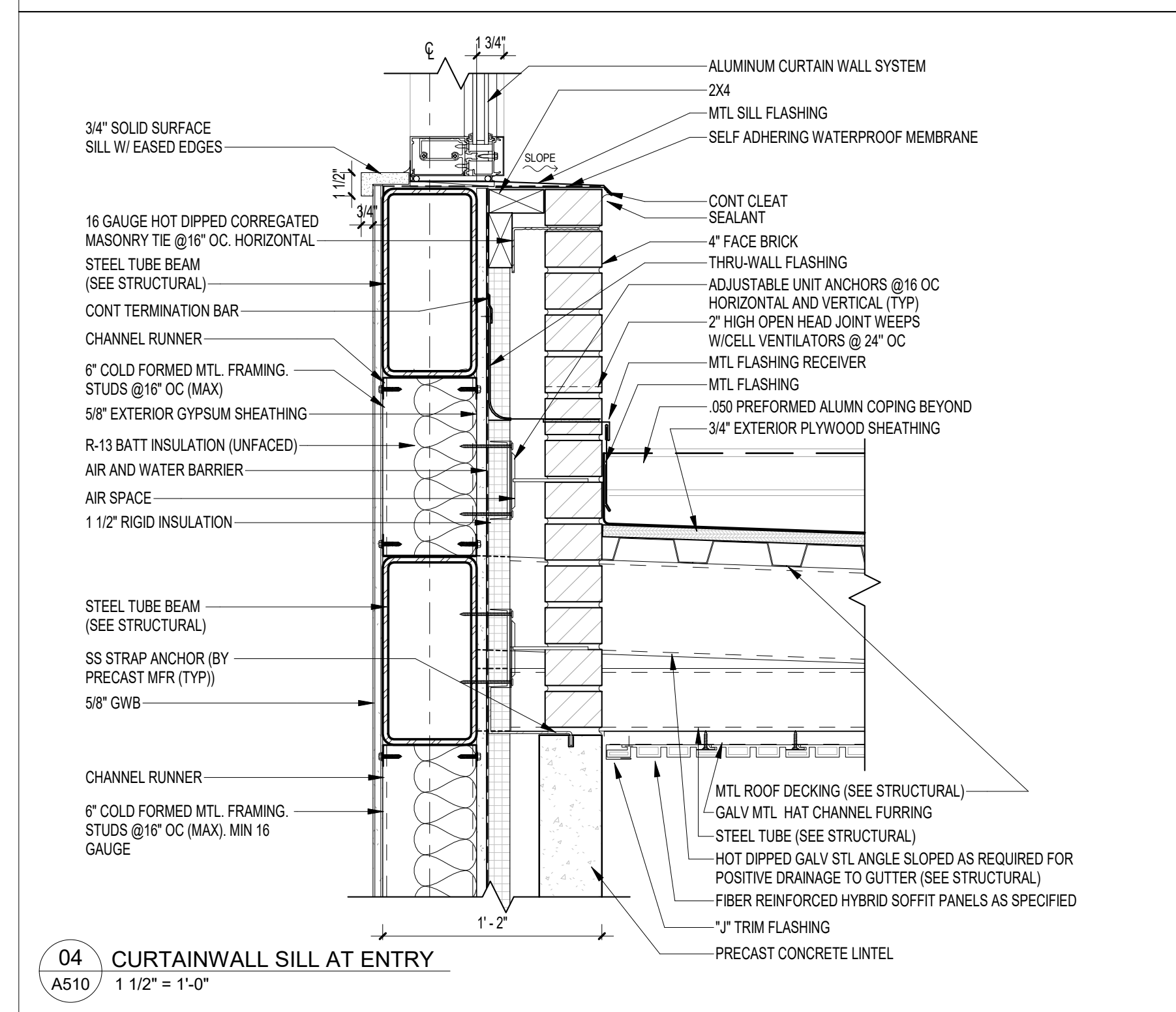
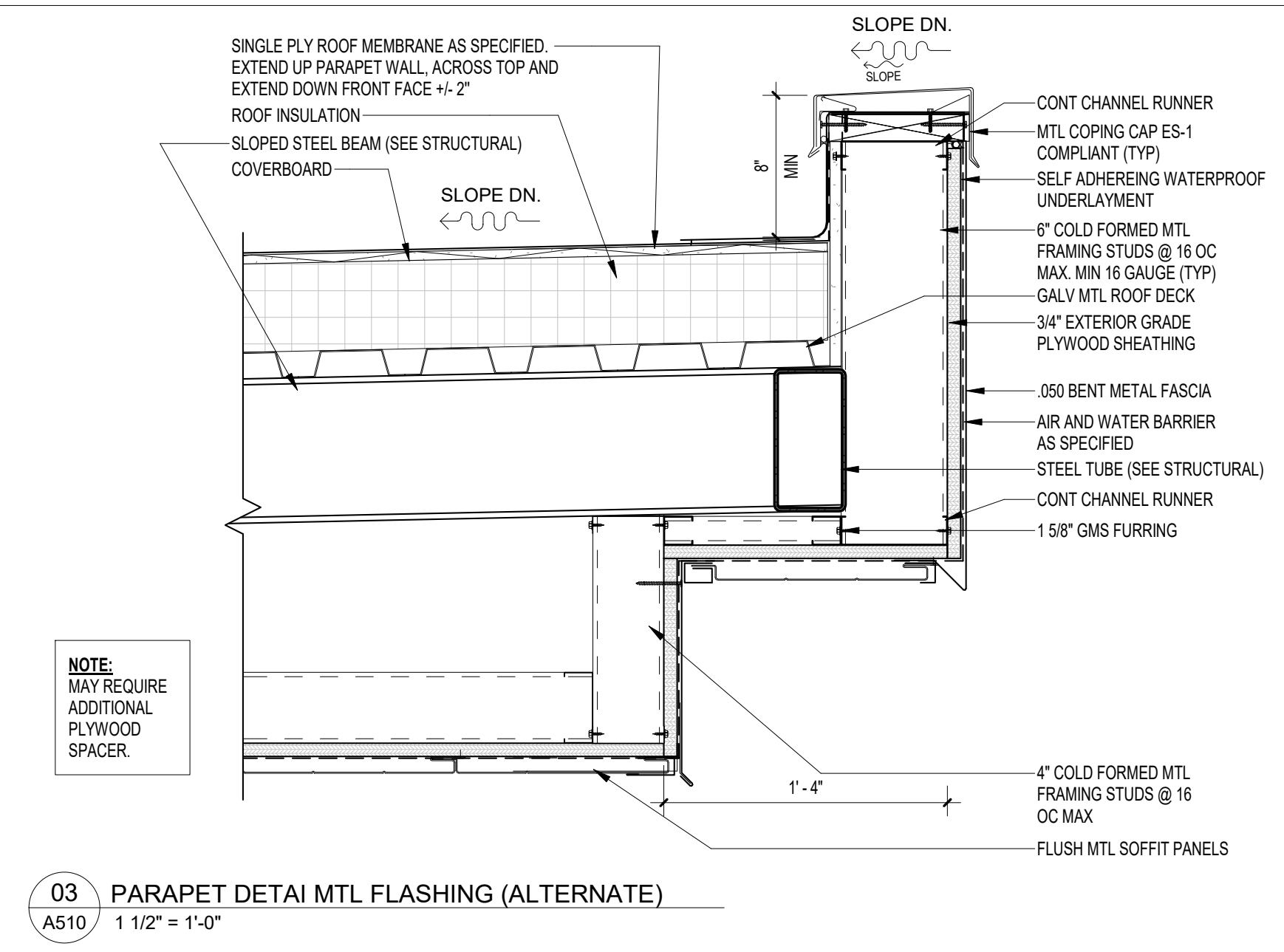
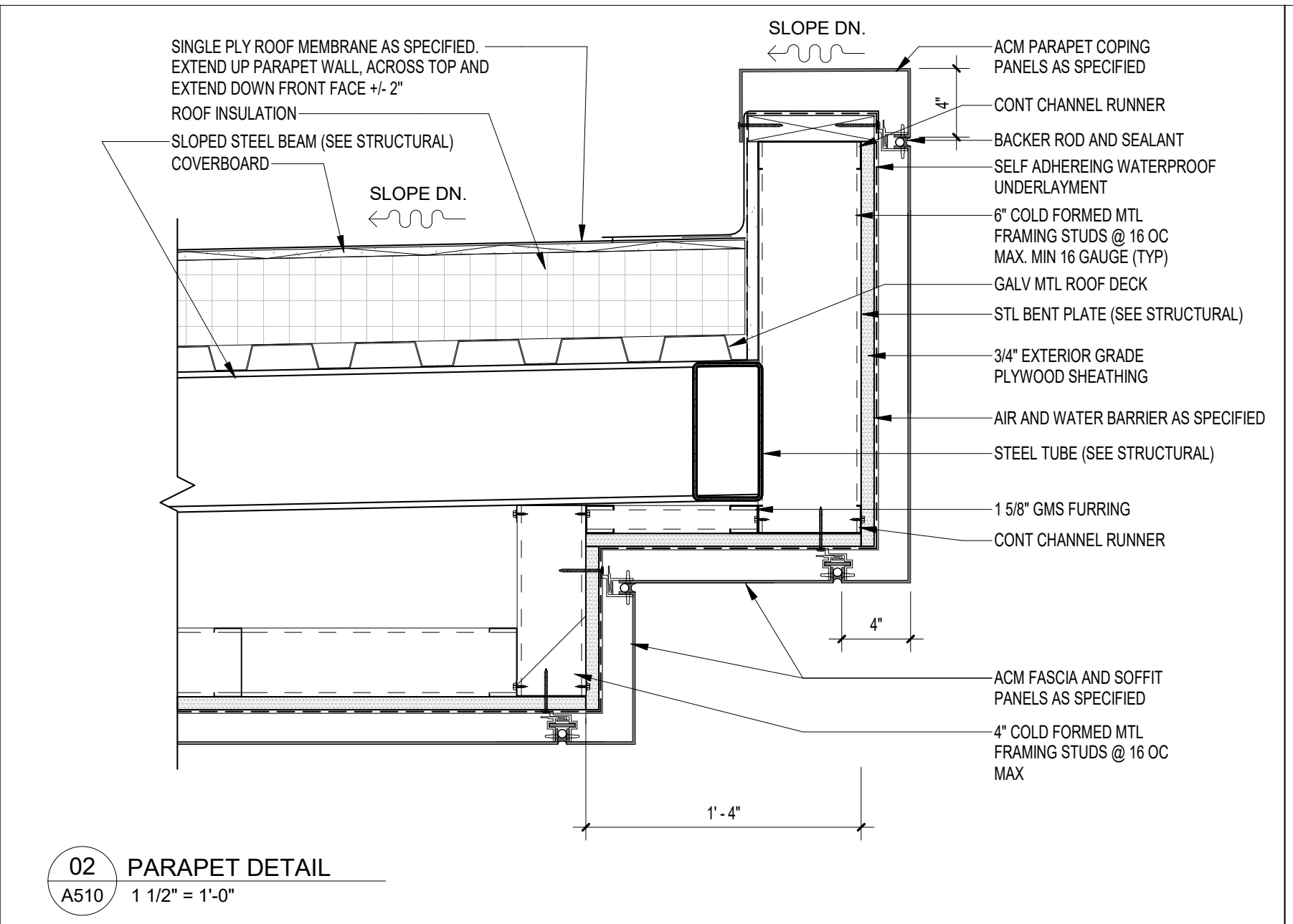
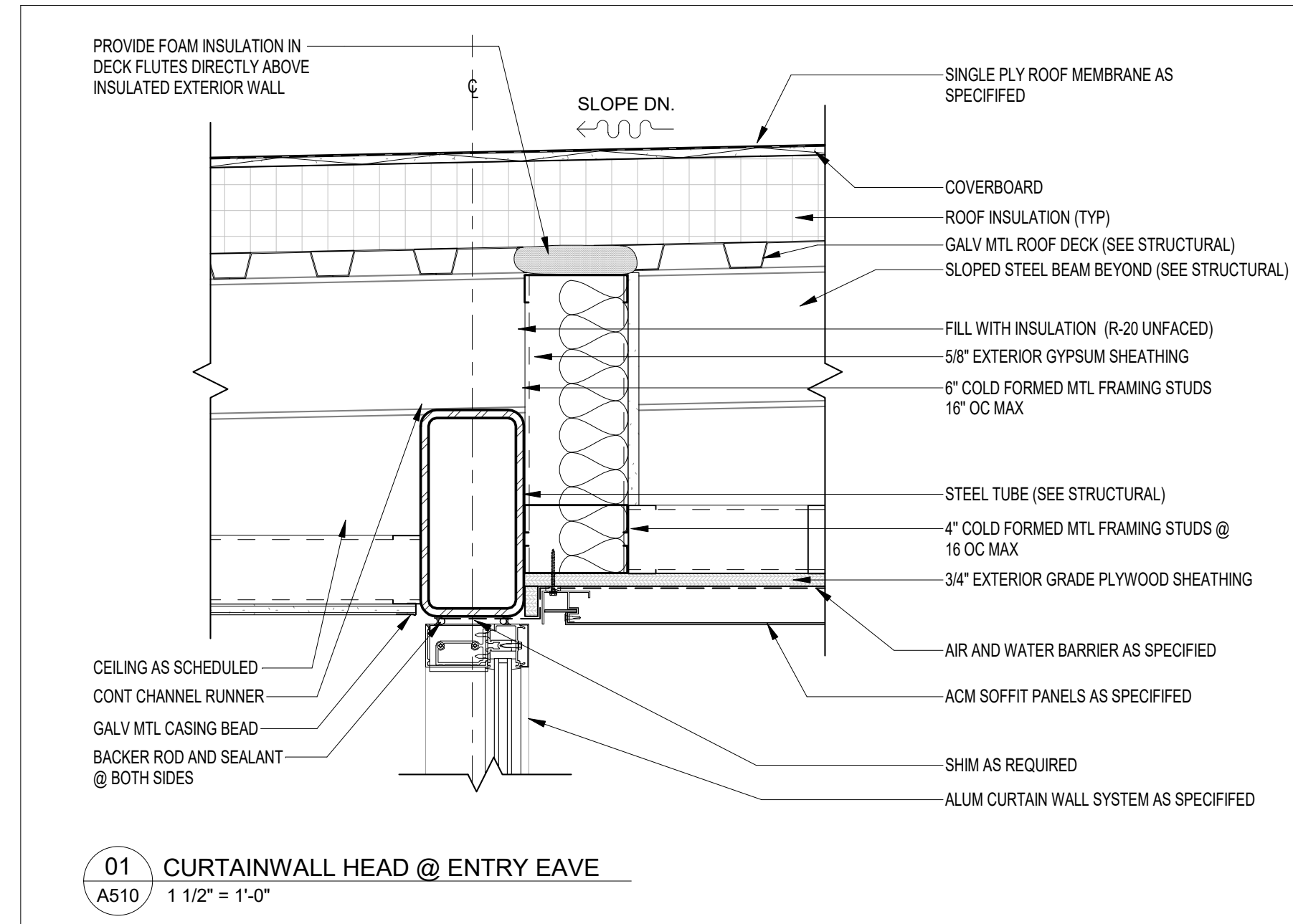
PROJECT NO
68100

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SHEET TITLE
SECTION DETAILS

SHEET NO
A510

REV NO
1



NOTE:
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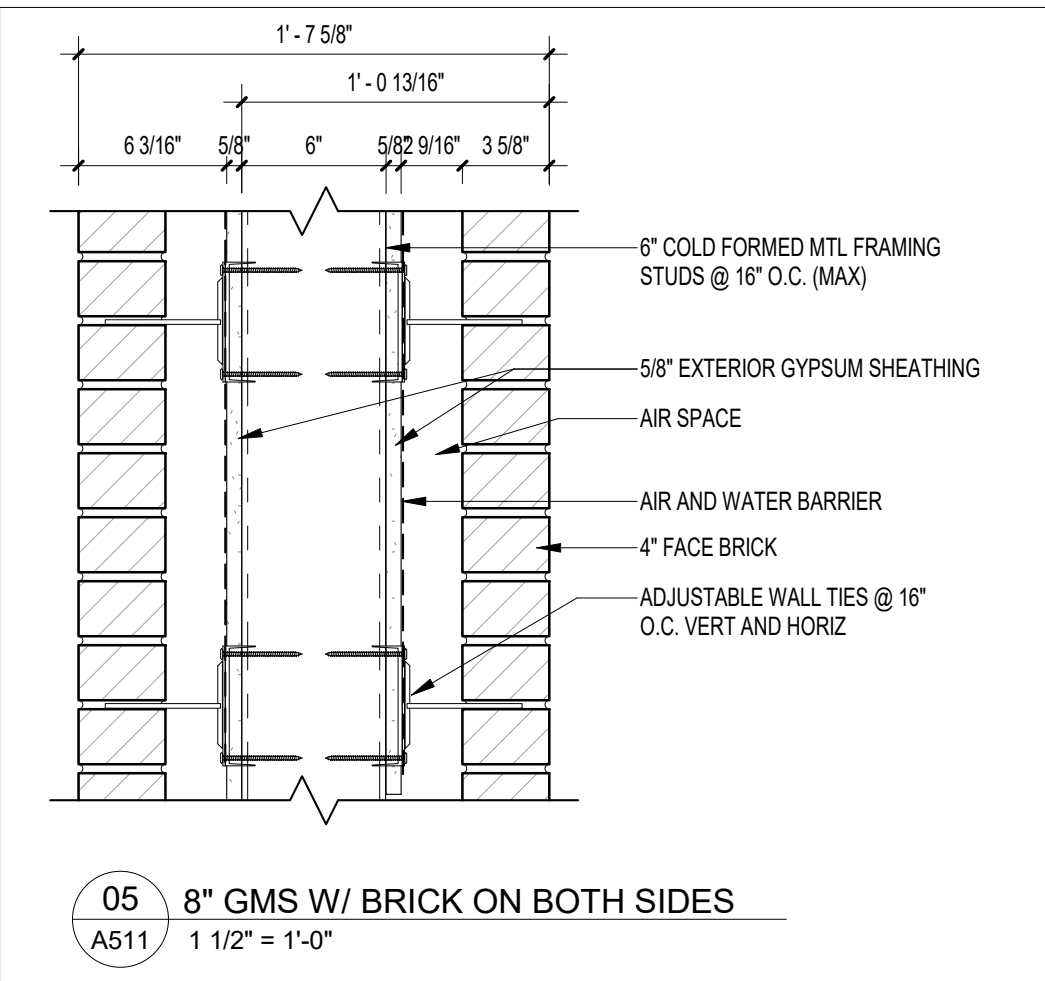
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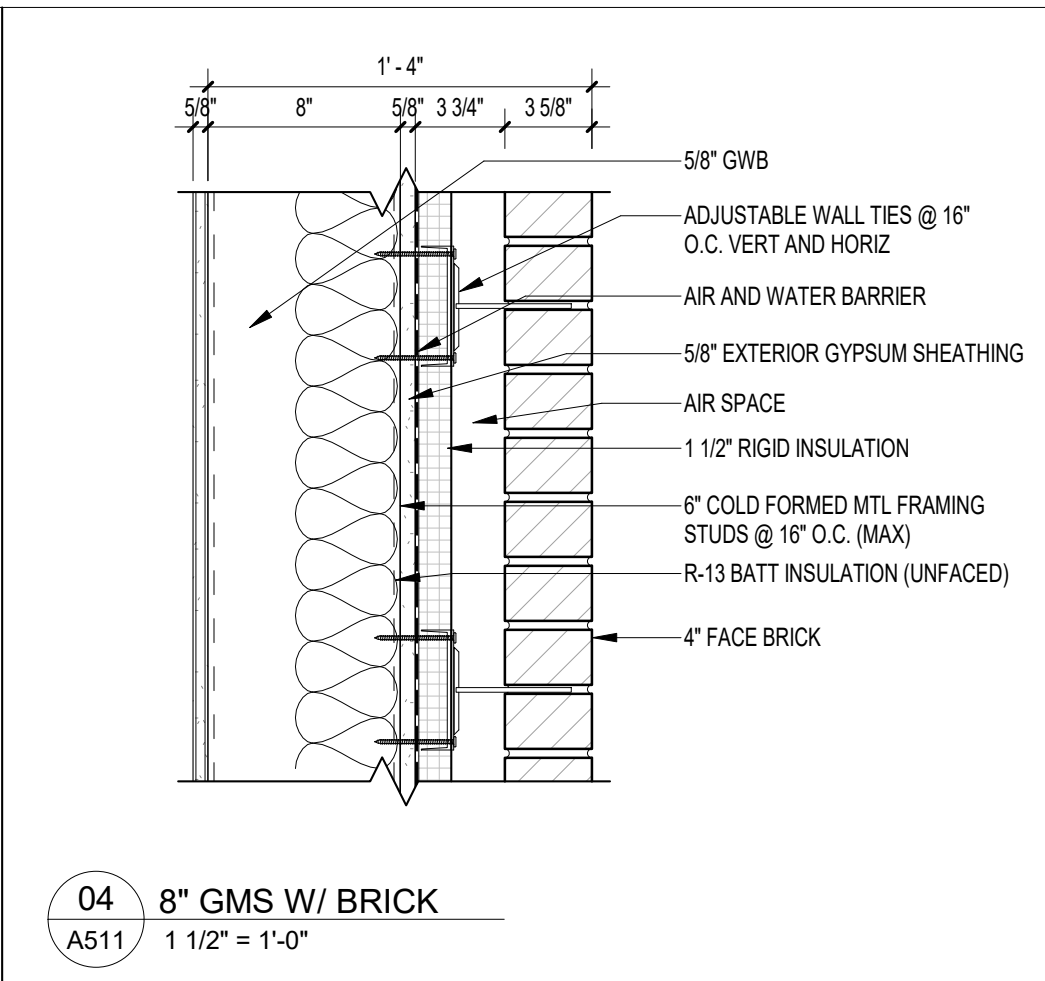
DATE 15 JANUARY 2025	DRAWN BY RMP
PROJECT NO 68100	CHECKED BY

SHEET TITLE
SECTION DETAILS

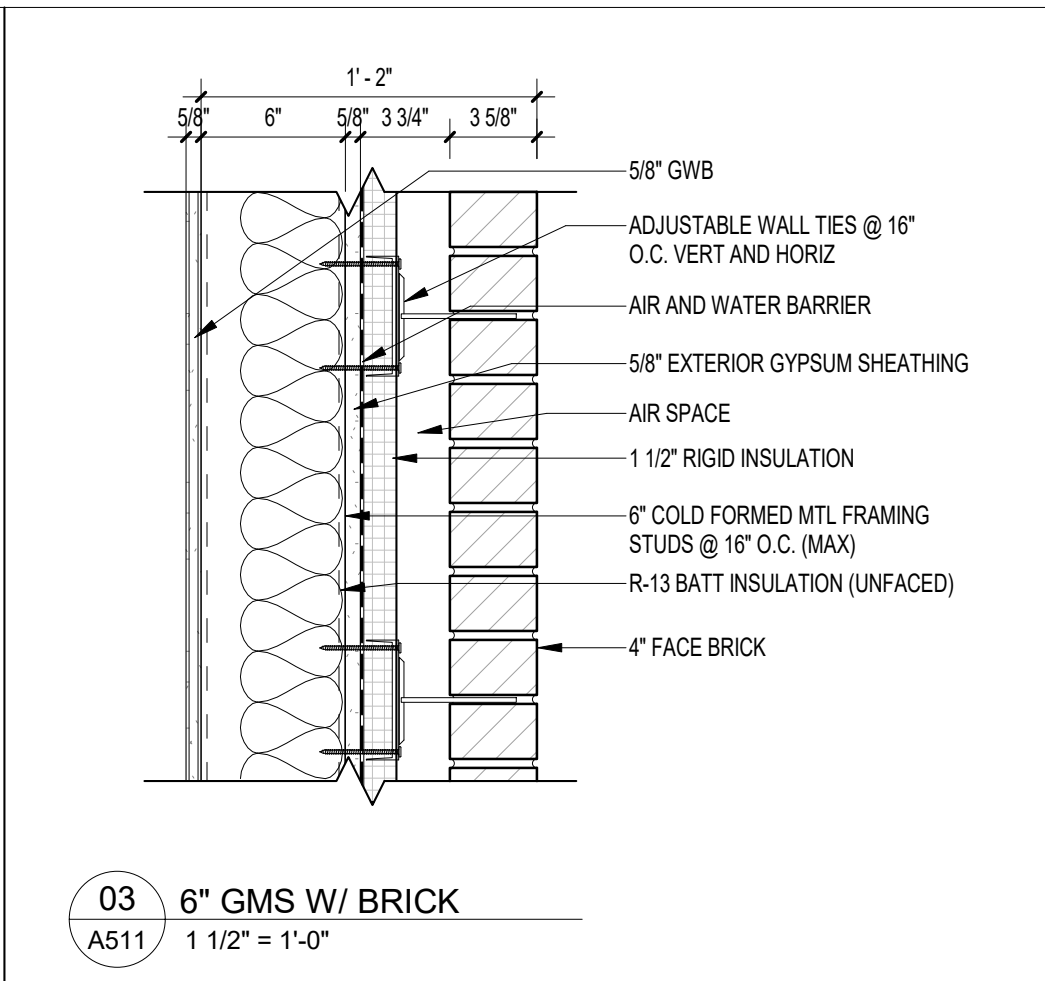
SHEET NO A511	REV NO 1
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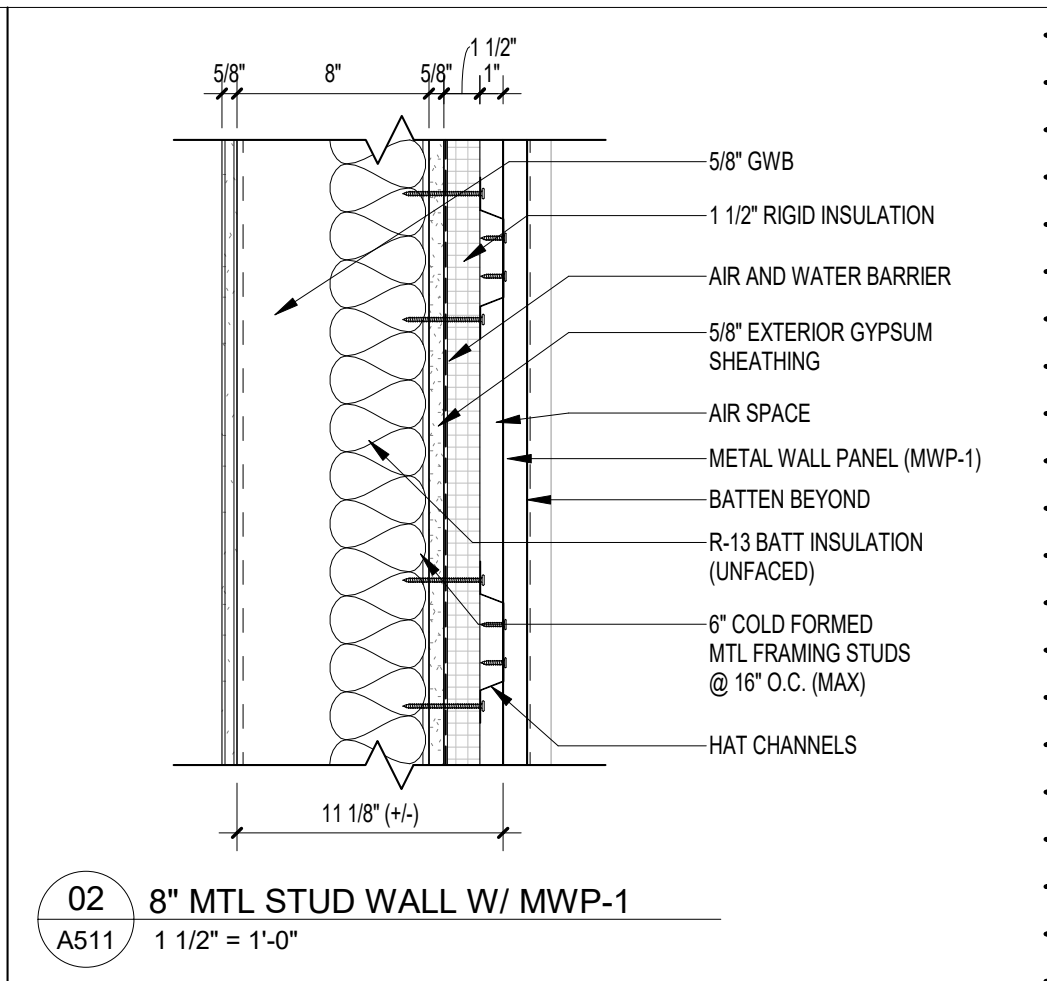
05 8" GMS W/ BRICK ON BOTH SIDES
A511 1 1/2" = 1'-0"



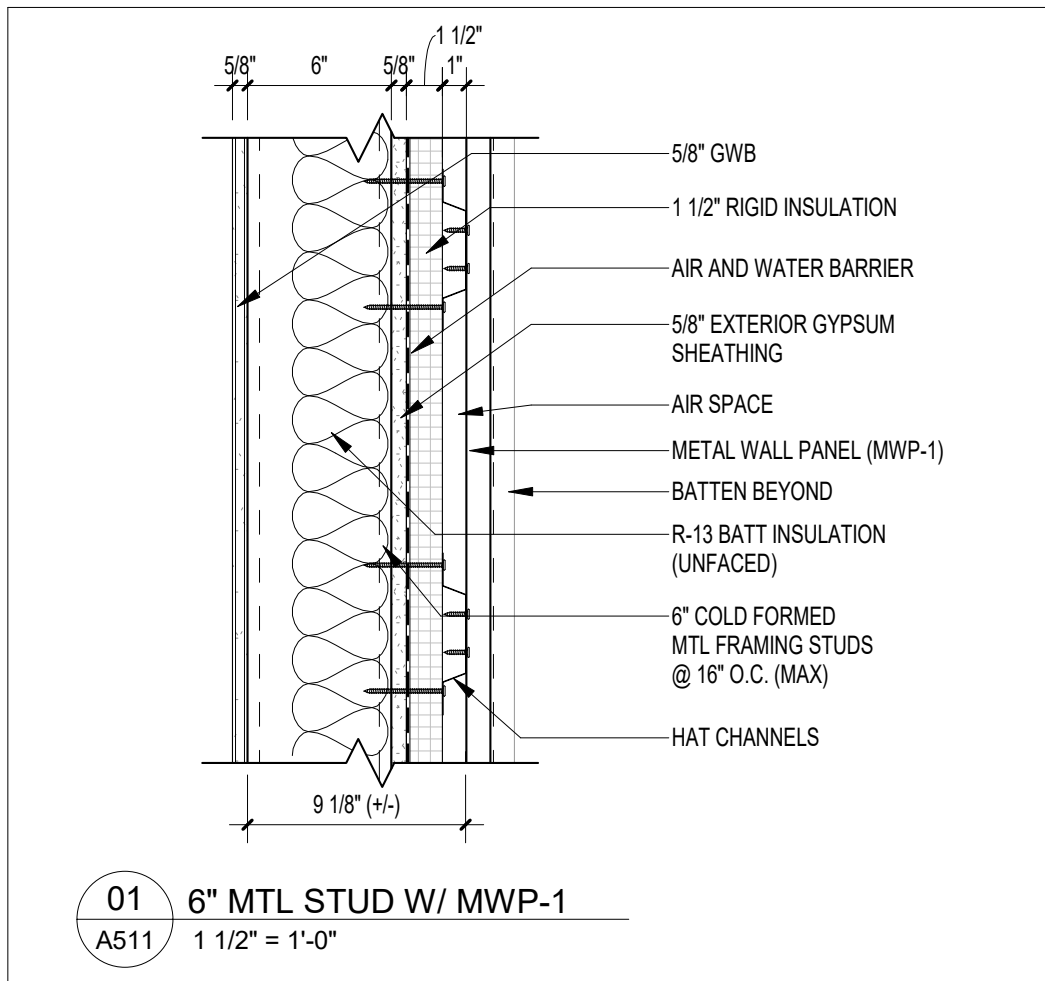
04 8" GMS W/ BRICK
A511 1 1/2" = 1'-0"



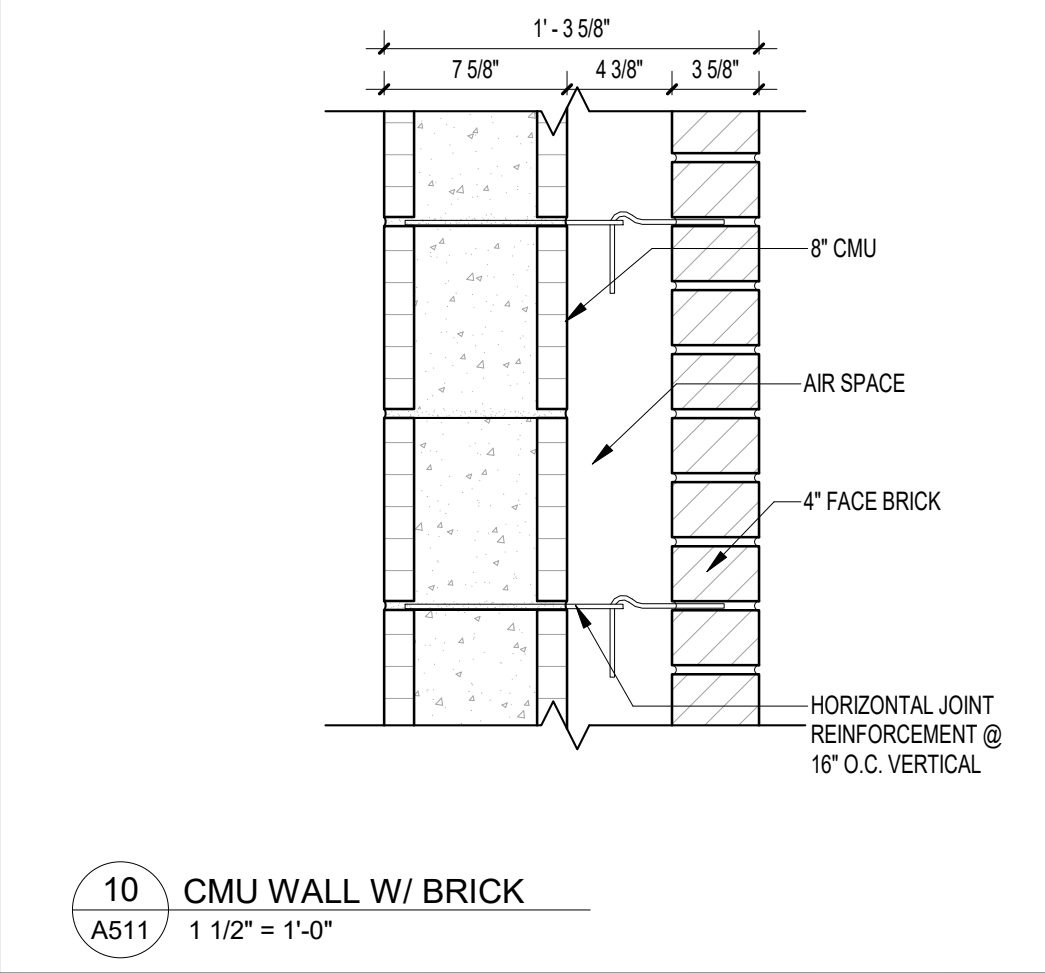
03 6" GMS W/ BRICK
A511 1 1/2" = 1'-0"



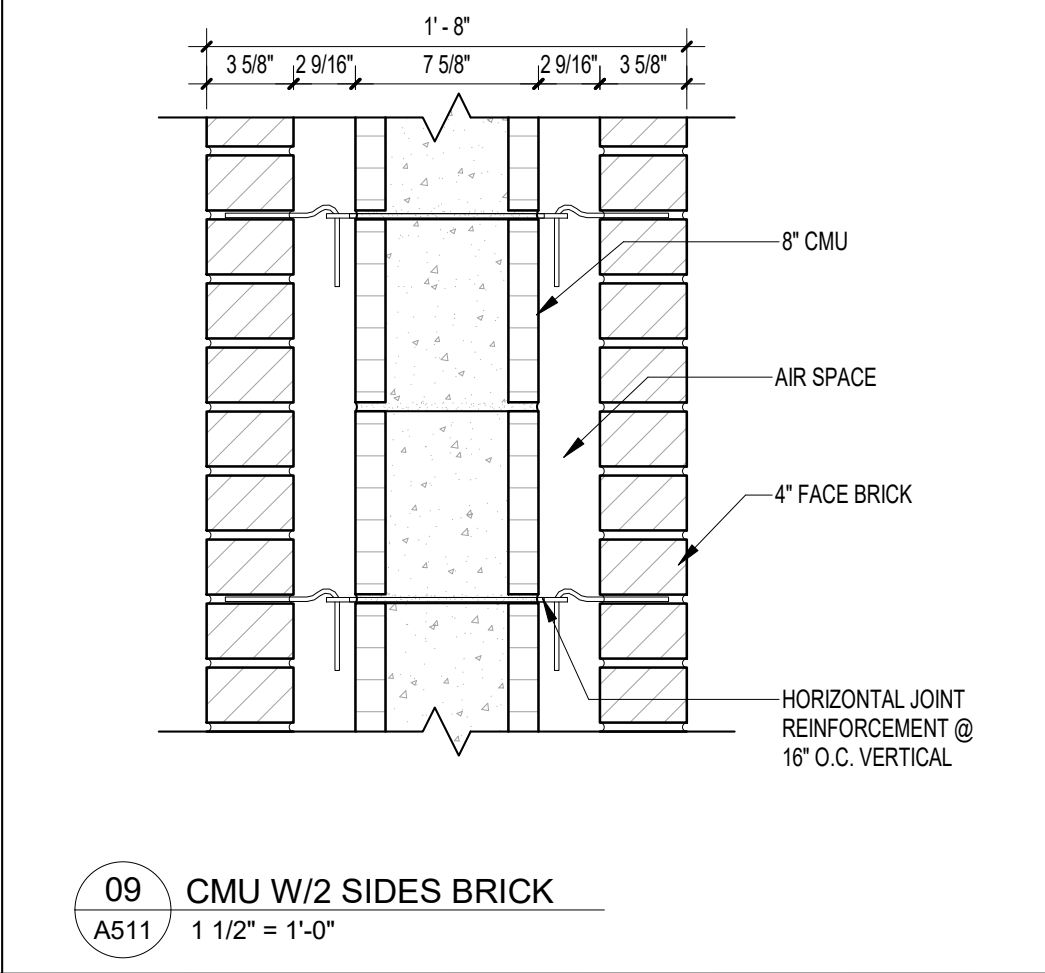
02 8" MTL STUD WALL W/ MWP-1
A511 1 1/2" = 1'-0"



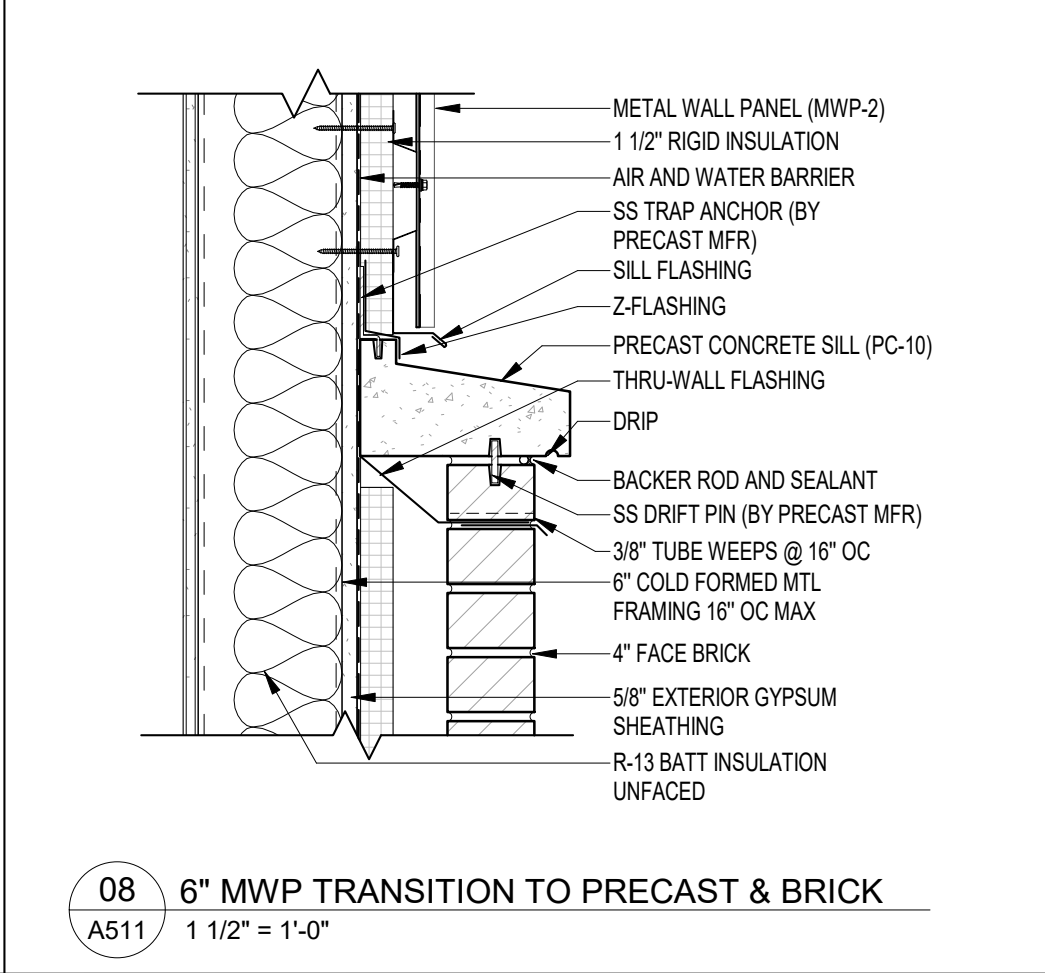
01 6" MTL STUD W/ MWP-1
A511 1 1/2" = 1'-0"



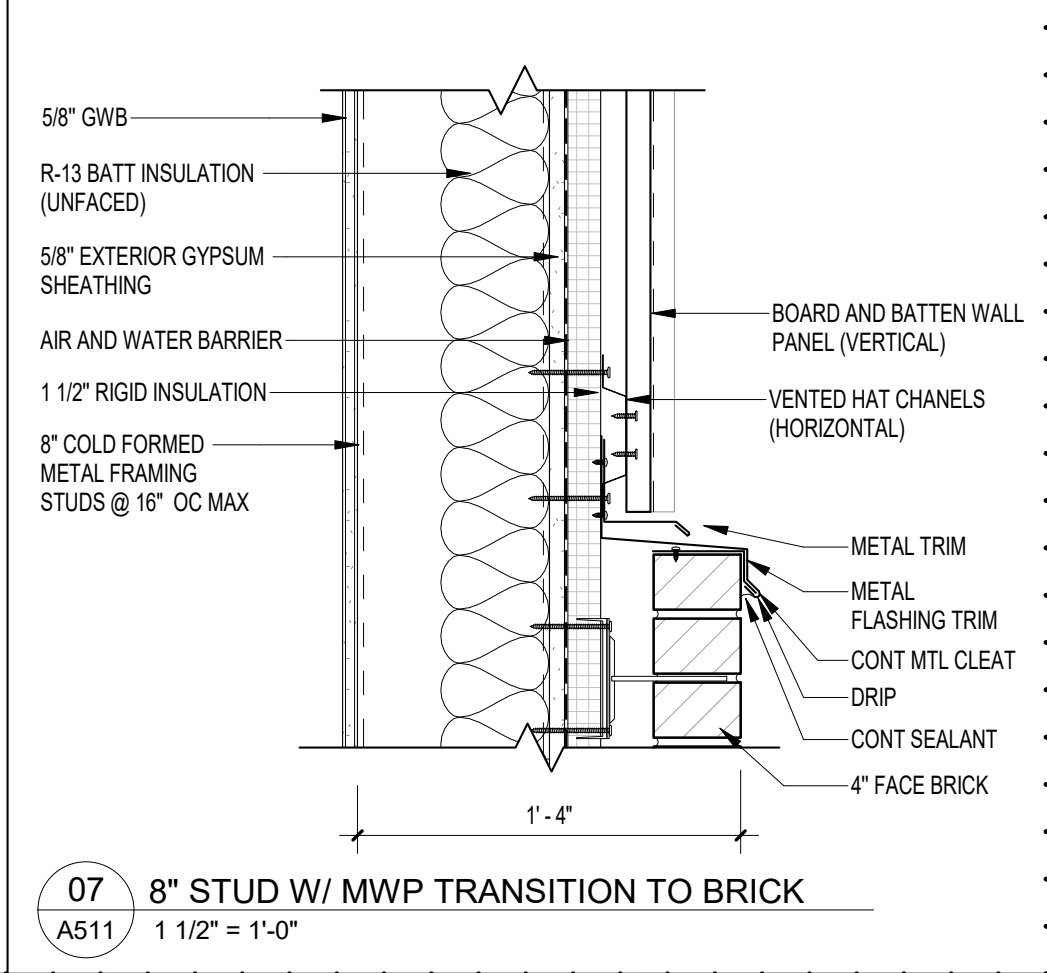
10 CMU WALL W/ BRICK
A511 1 1/2" = 1'-0"



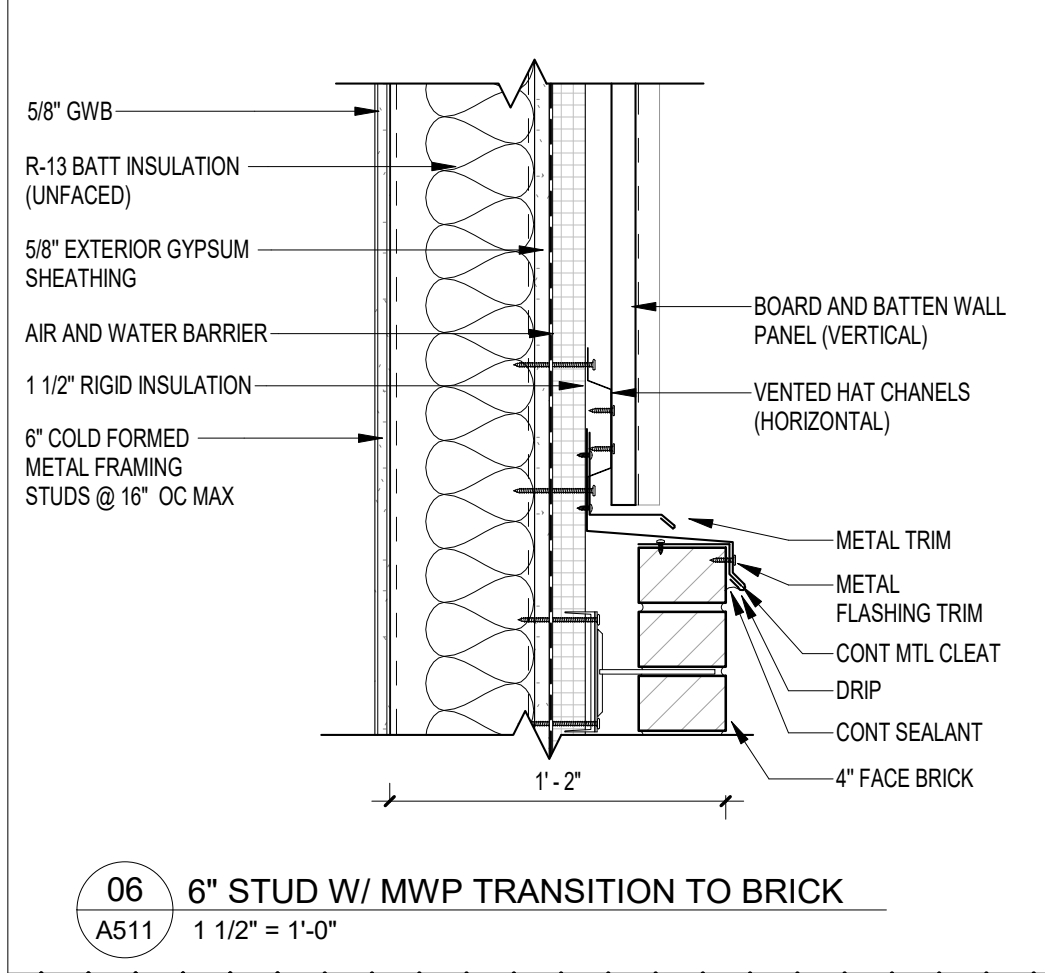
09 CMU W/2 SIDES BRICK
A511 1 1/2" = 1'-0"



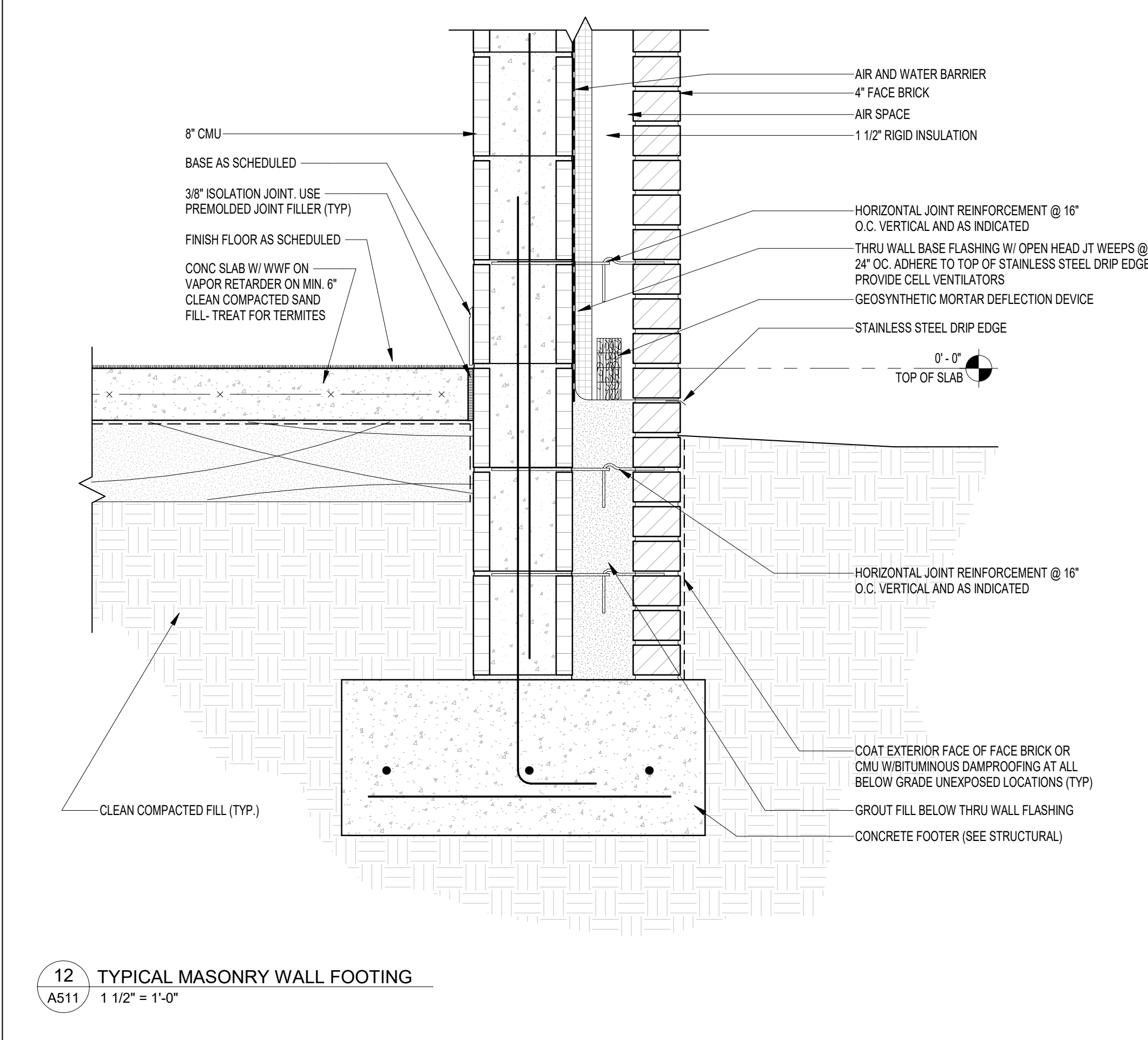
08 6" MWP TRANSITION TO PRECAST & BRICK
A511 1 1/2" = 1'-0"



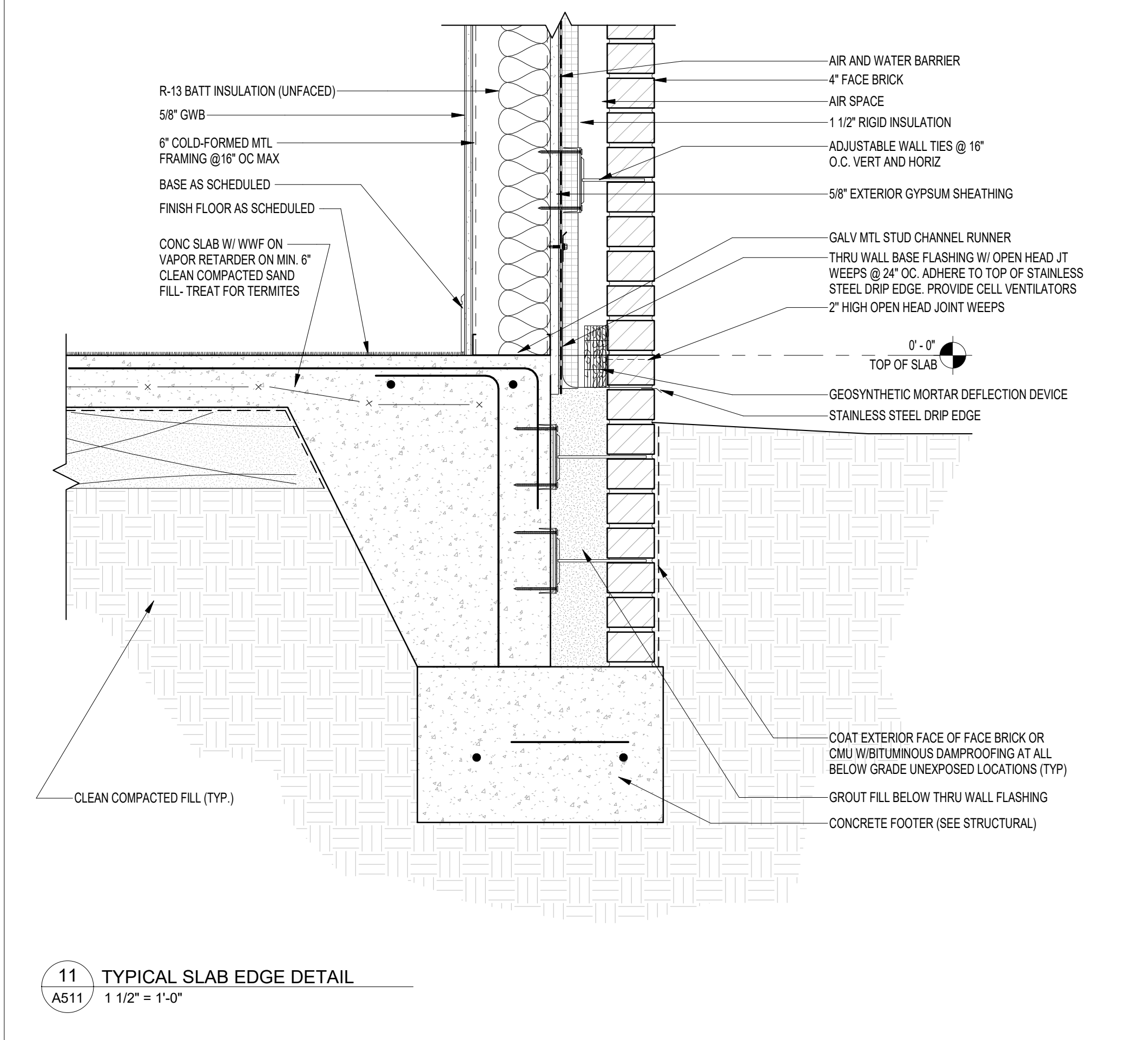
07 8" STUD W/ MWP TRANSITION TO BRICK
A511 1 1/2" = 1'-0"



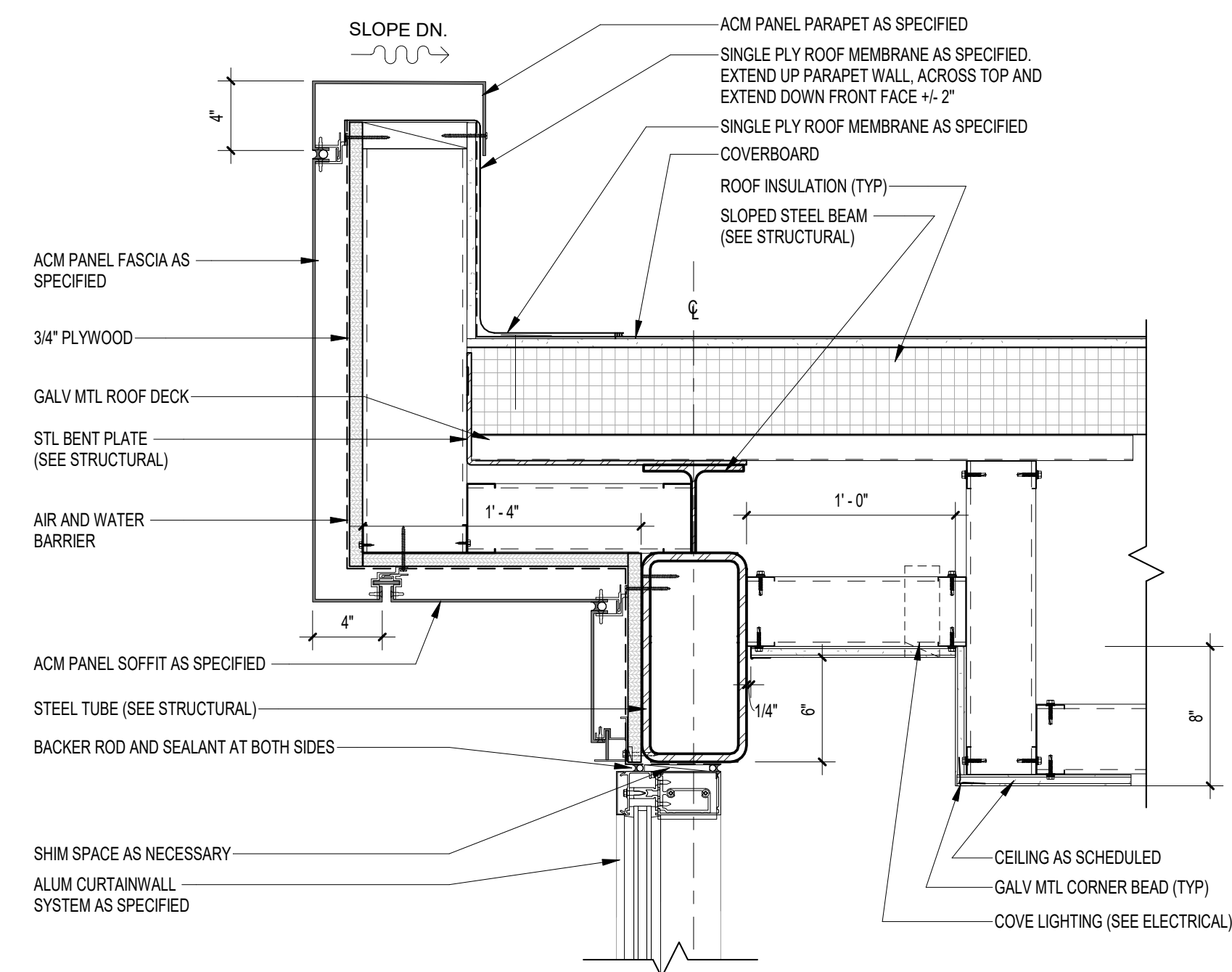
06 6" STUD W/ MWP TRANSITION TO BRICK
A511 1 1/2" = 1'-0"



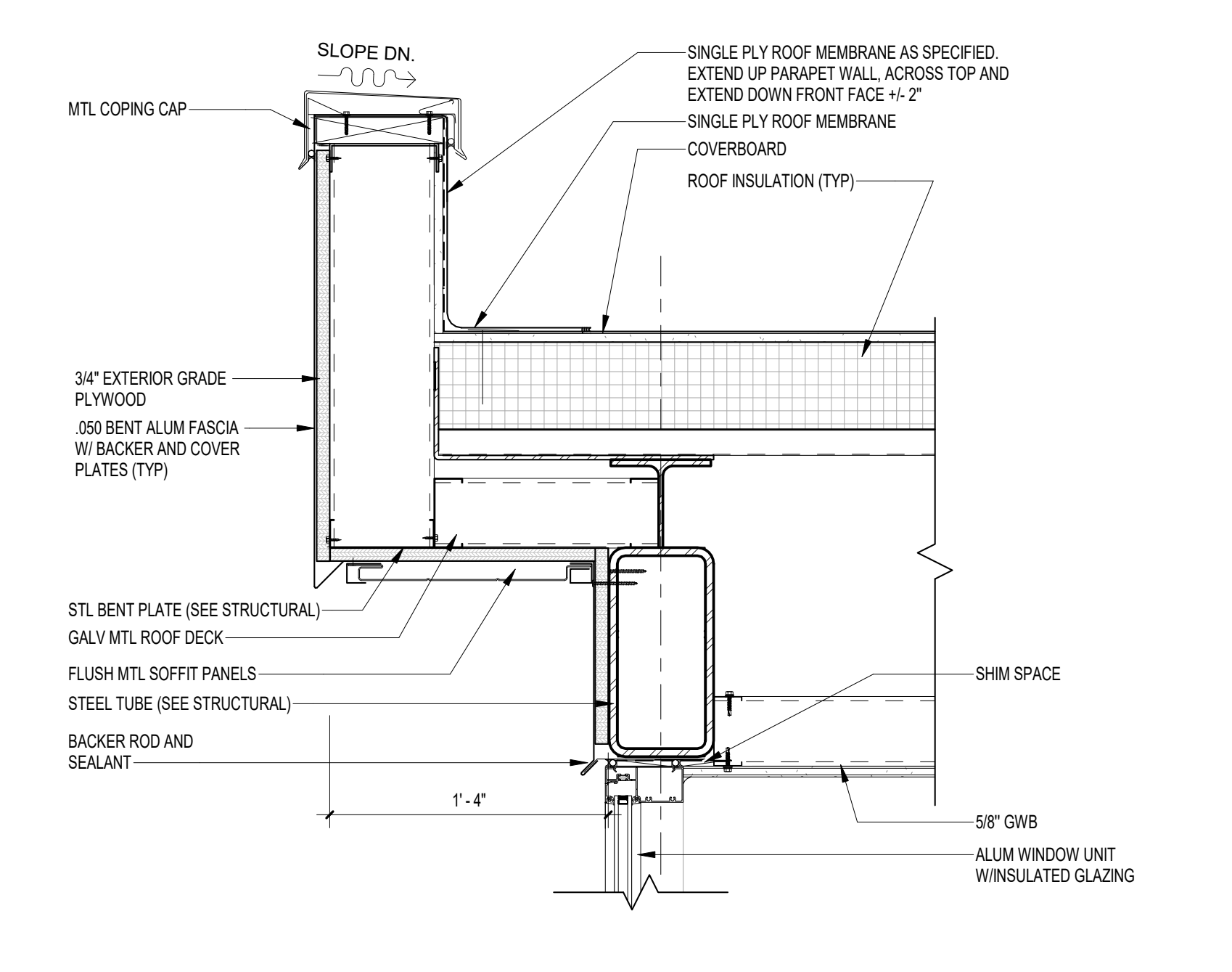
12 TYPICAL MASONRY WALL FOOTING
A511 1 1/2" = 1'-0"



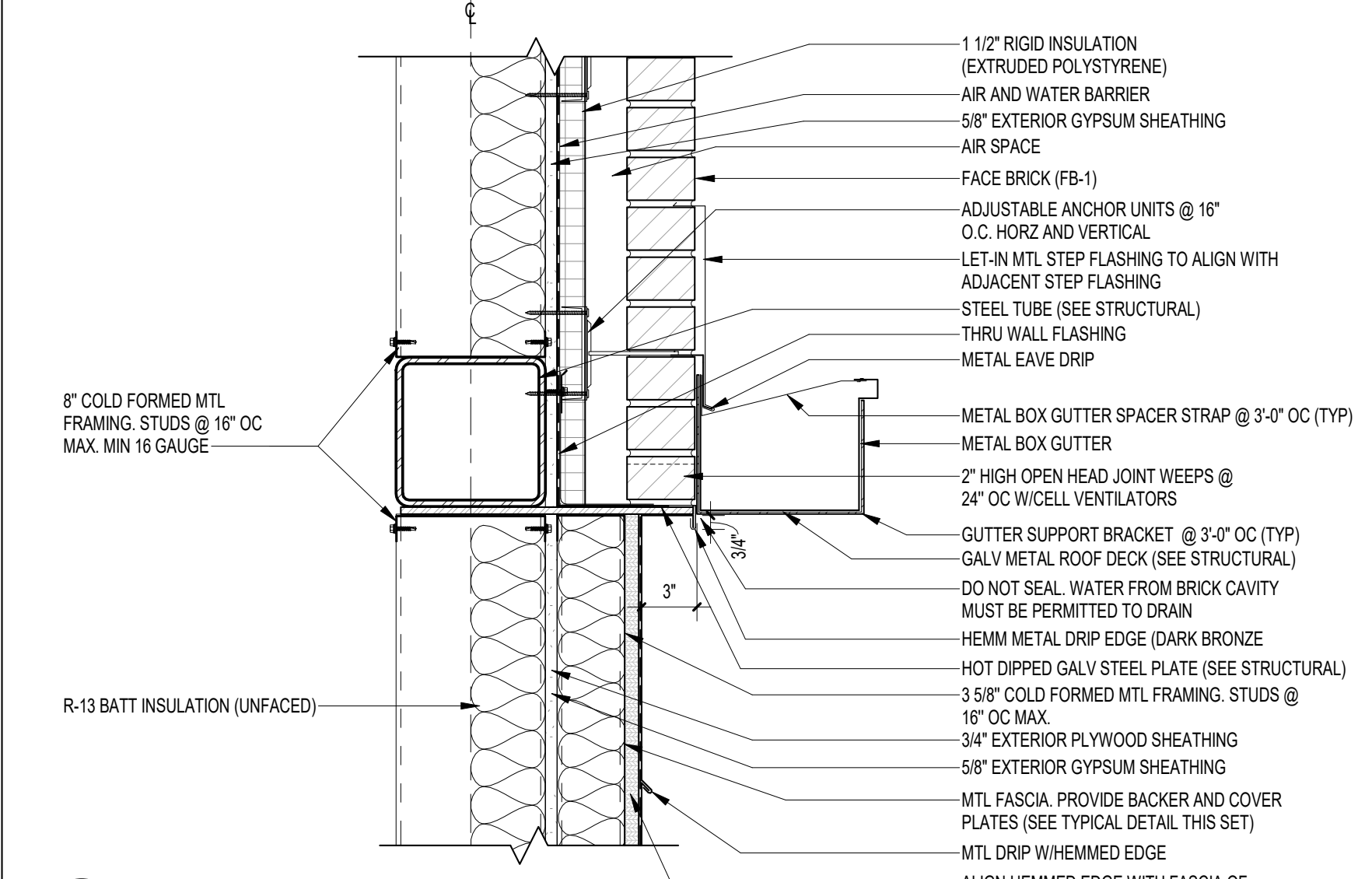
11 TYPICAL SLAB EDGE DETAIL
A511 1 1/2" = 1'-0"



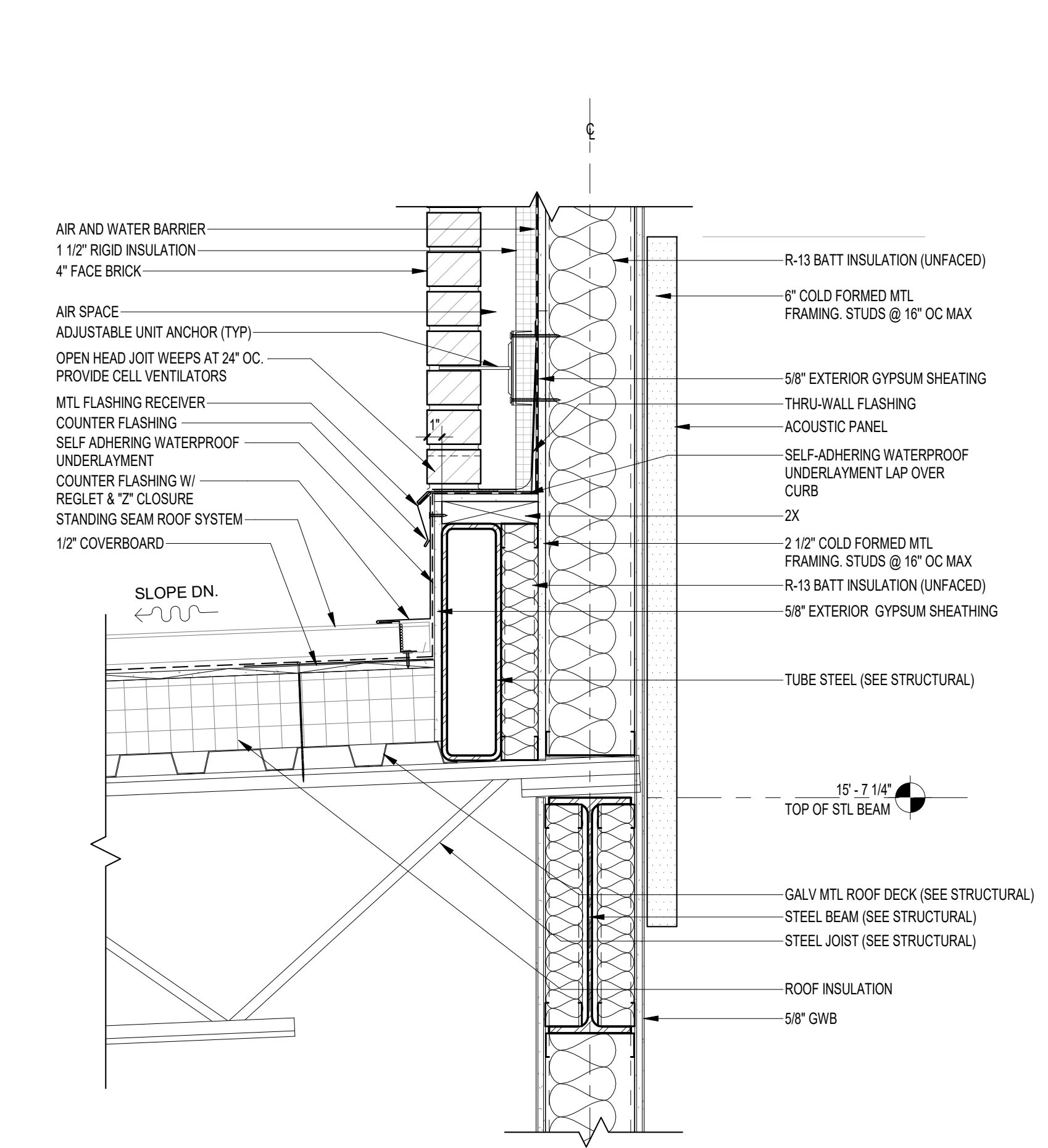
01 PARAPET RAKE EDGE DETAIL
A512 1 1/2" = 1'-0"



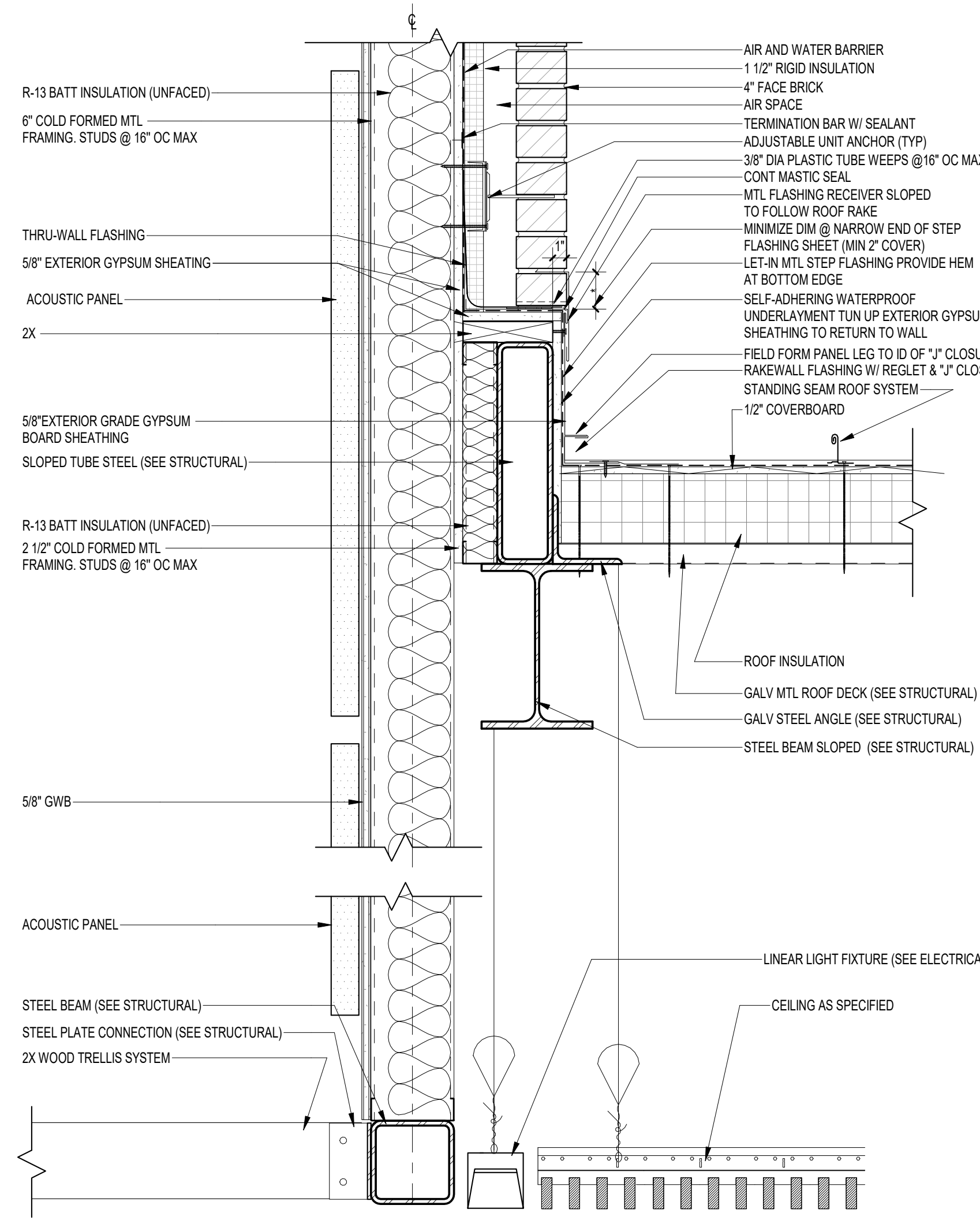
02 PARAPET RAKE EDGE MTL FLASHING (ALTERNATE)
A512 1 1/2" = 1'-0"



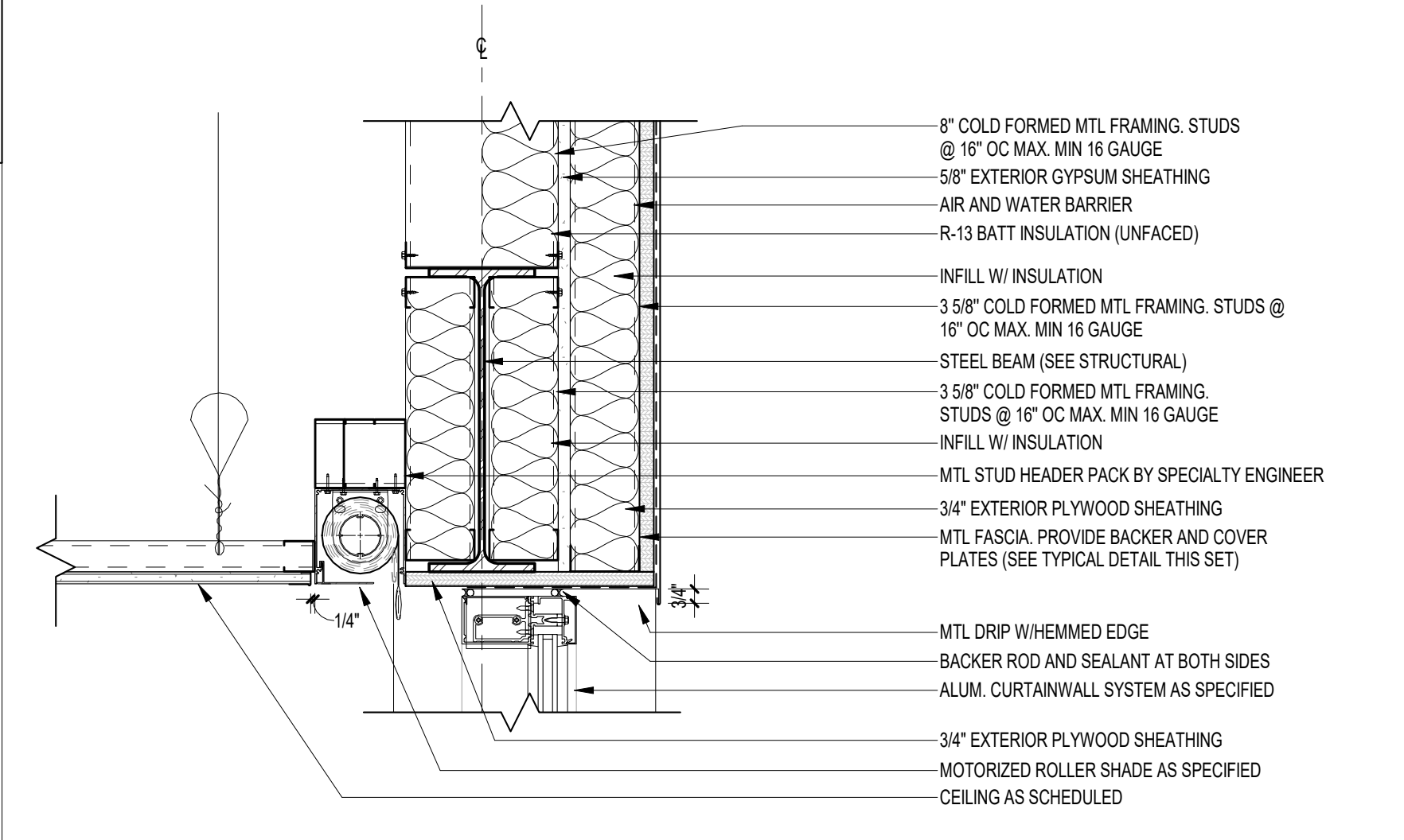
03 BOARD ROOM GUTTER
A512 1 1/2" = 1'-0"



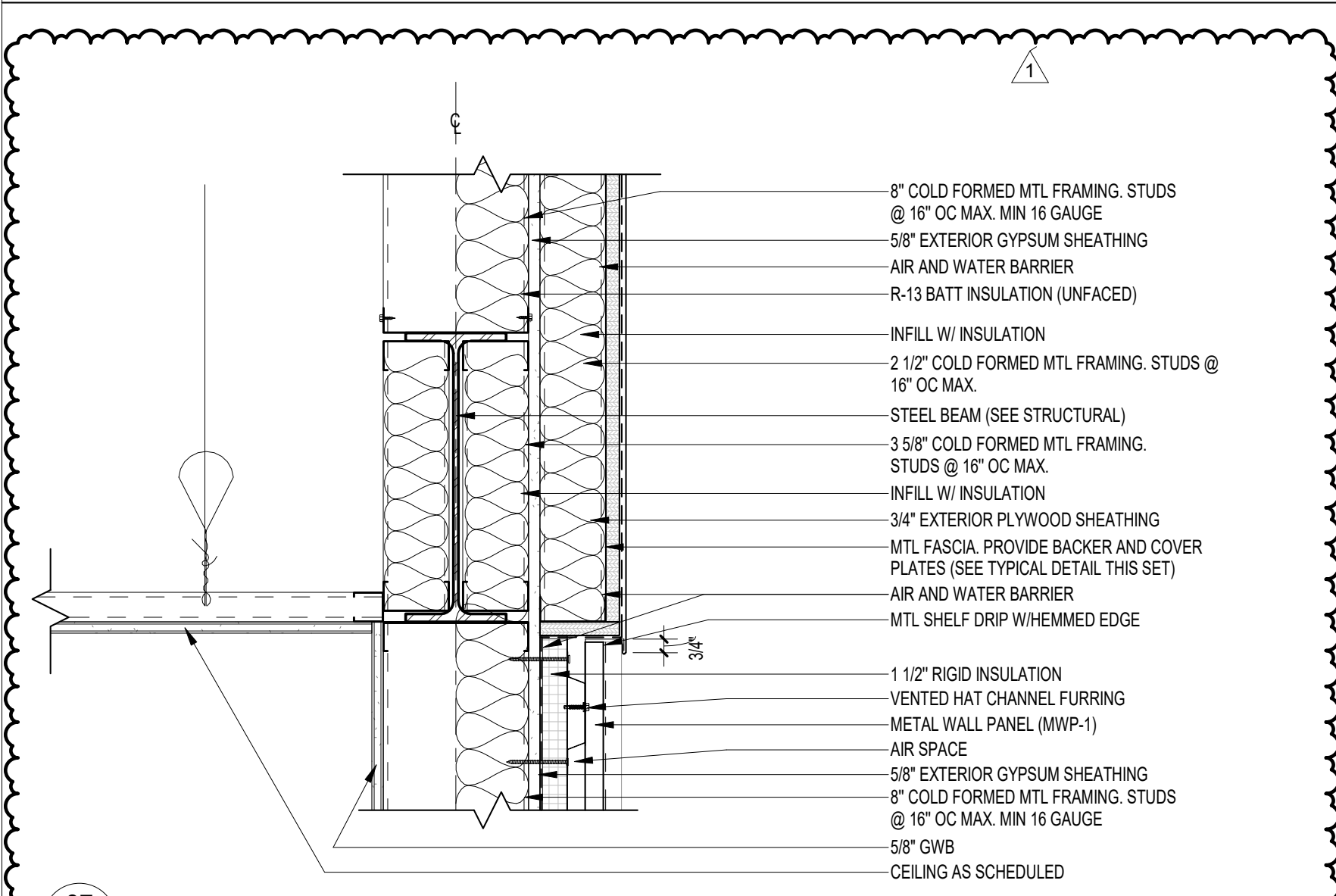
04 ROOF TO WALL DETAIL
A512 1 1/2" = 1'-0"



05 ROOF TO WALL RAKE EDGE
A512 1 1/2" = 1'-0"



06 BOARD ROOM CURTAIN WALL HEAD
A512 1 1/2" = 1'-0"



07 MTL FLASHING TO MWP-1 TRANSITION
A512 1 1/2" = 1'-0"

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PROJECT NO
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SHEET TITLE
SECTION DETAILS

SHEET NO
A512

REV NO
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CONSTRUCTION DOCUMENTS

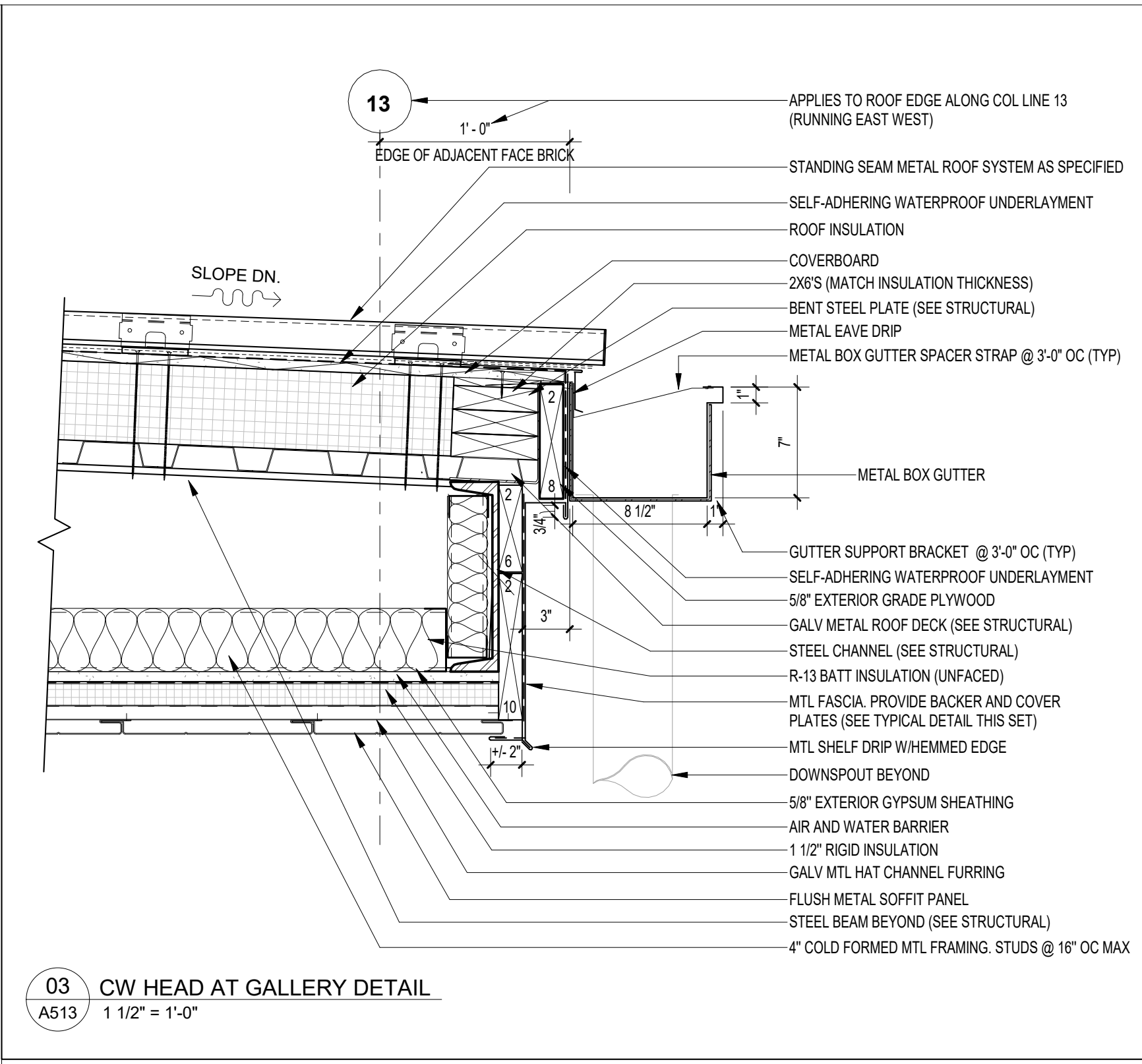
DATE
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PROJECT NO
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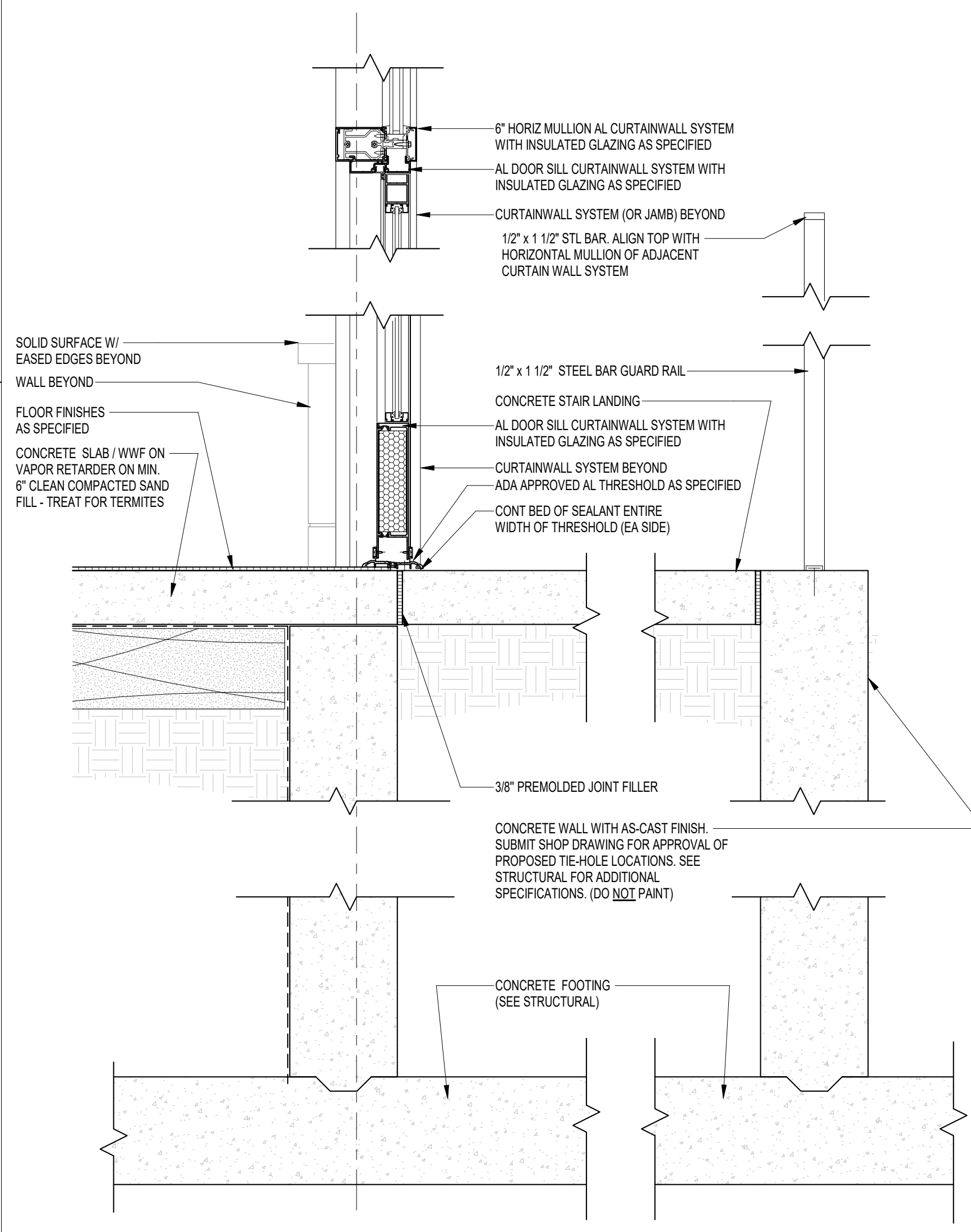
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SECTION DETAILS

SHEET NO
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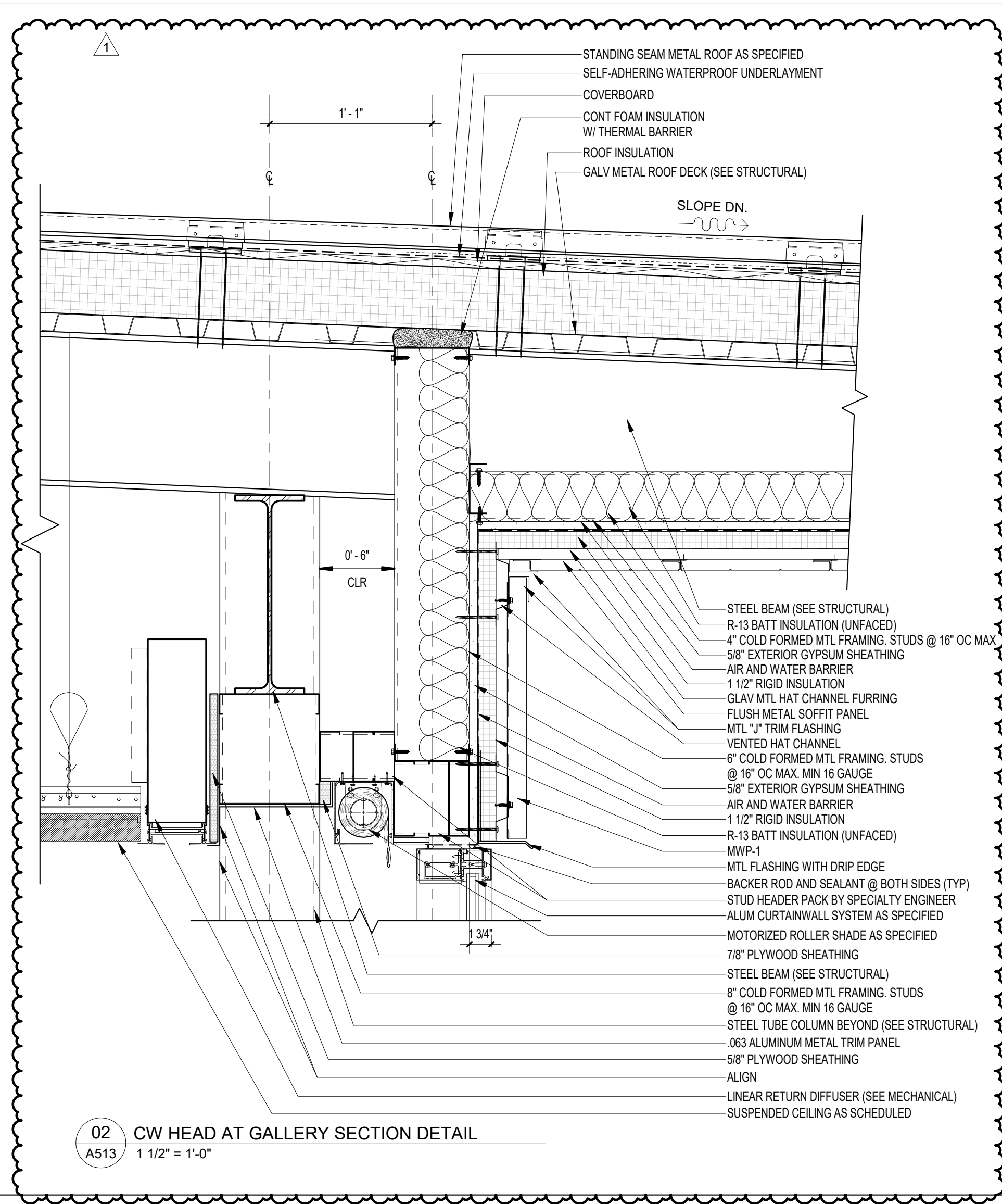
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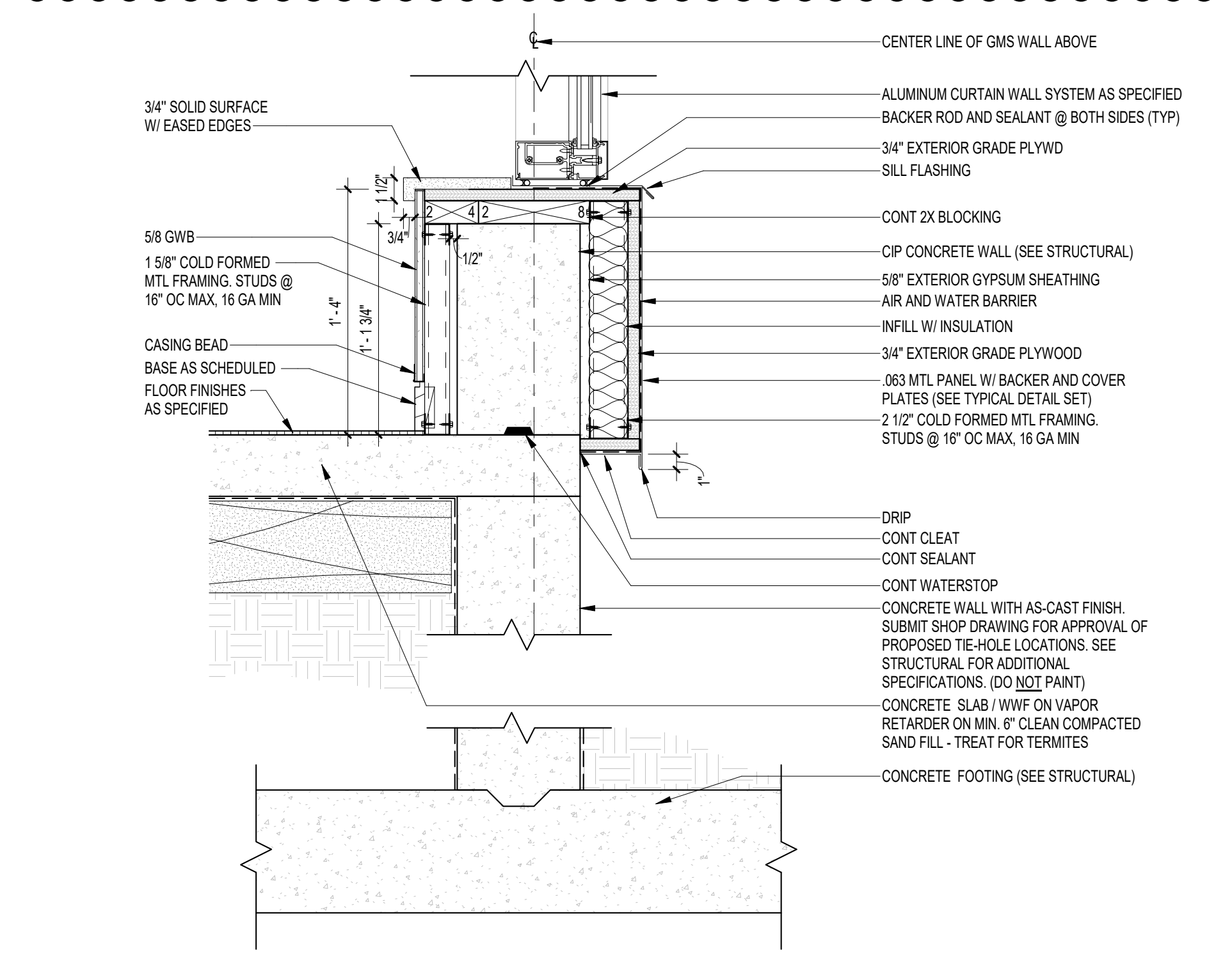
03 CW HEAD AT GALLERY DETAIL
A513 1 1/2" = 1'-0"



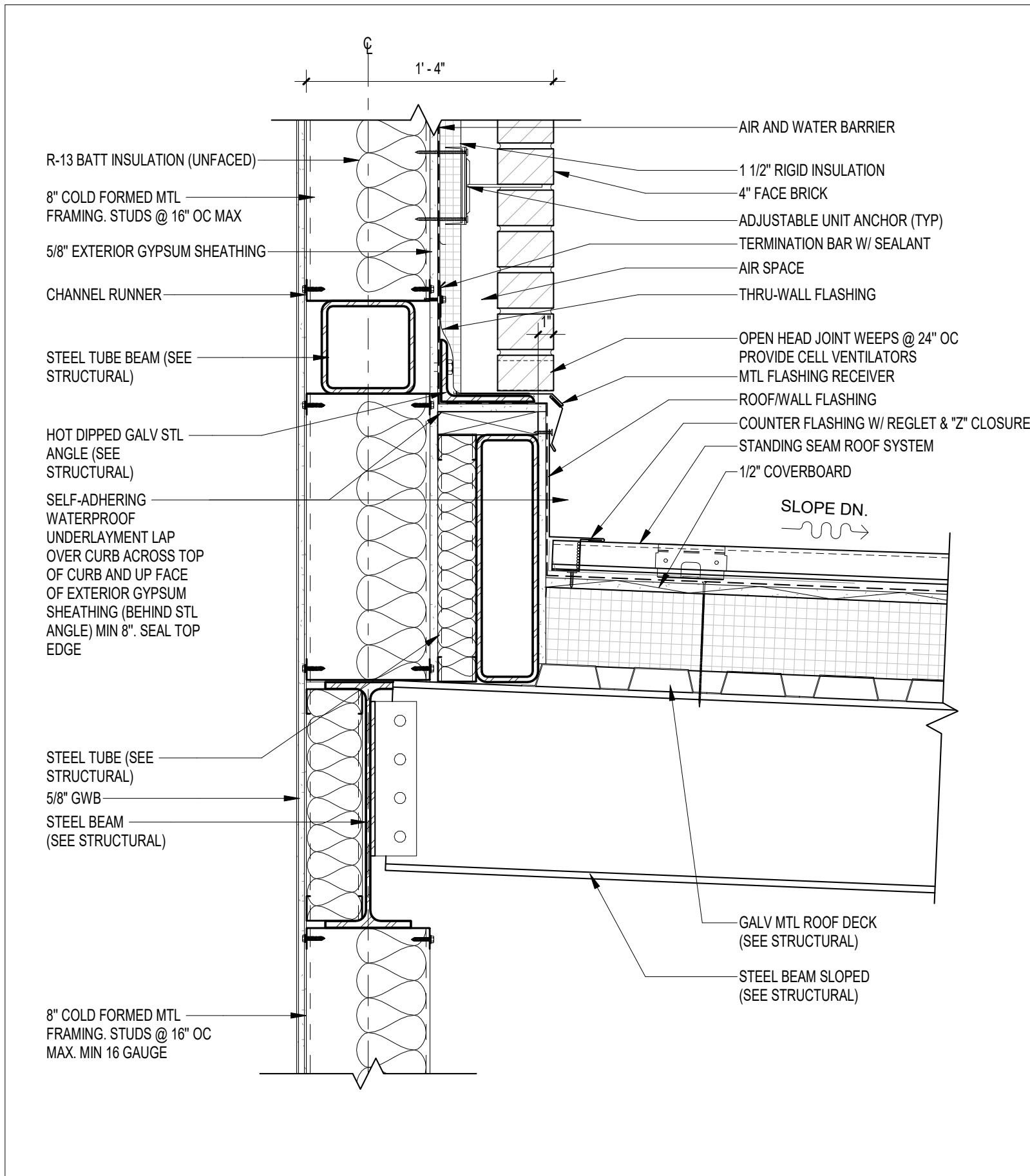
06 GALLERY EGRESS EXIT
A513 1 1/2" = 1'-0"



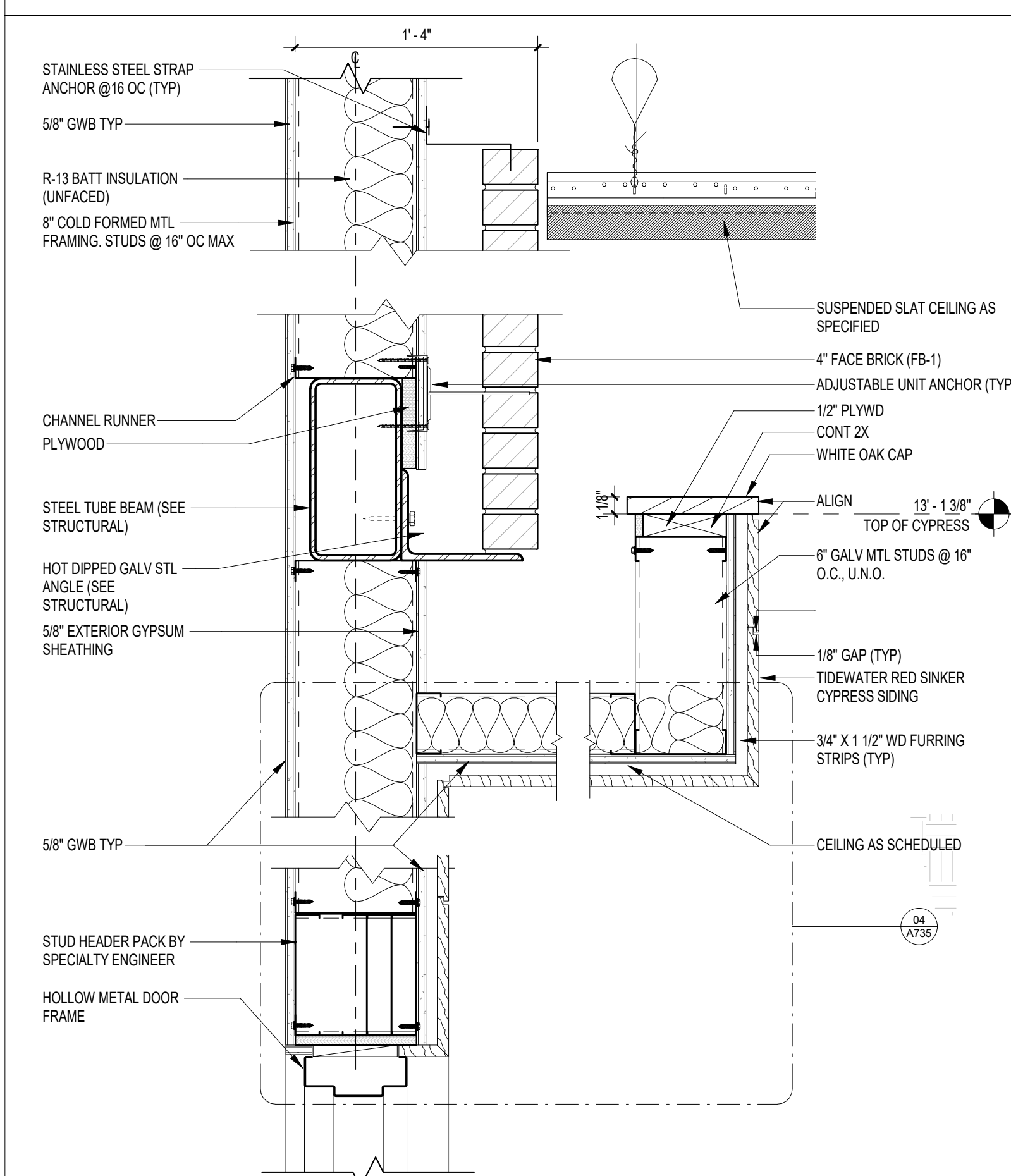
02 CW HEAD AT GALLERY SECTION DETAIL
A513 1 1/2" = 1'-0"



05 CW SILL AT GALLERY SECTION DETAIL
A513 1 1/2" = 1'-0"



01 WALL TO ROOF DETAIL AT GALLERY
A513 1 1/2" = 1'-0"



04 GALLERY BRICK INTERIOR
A513 1 1/2" = 1'-0"

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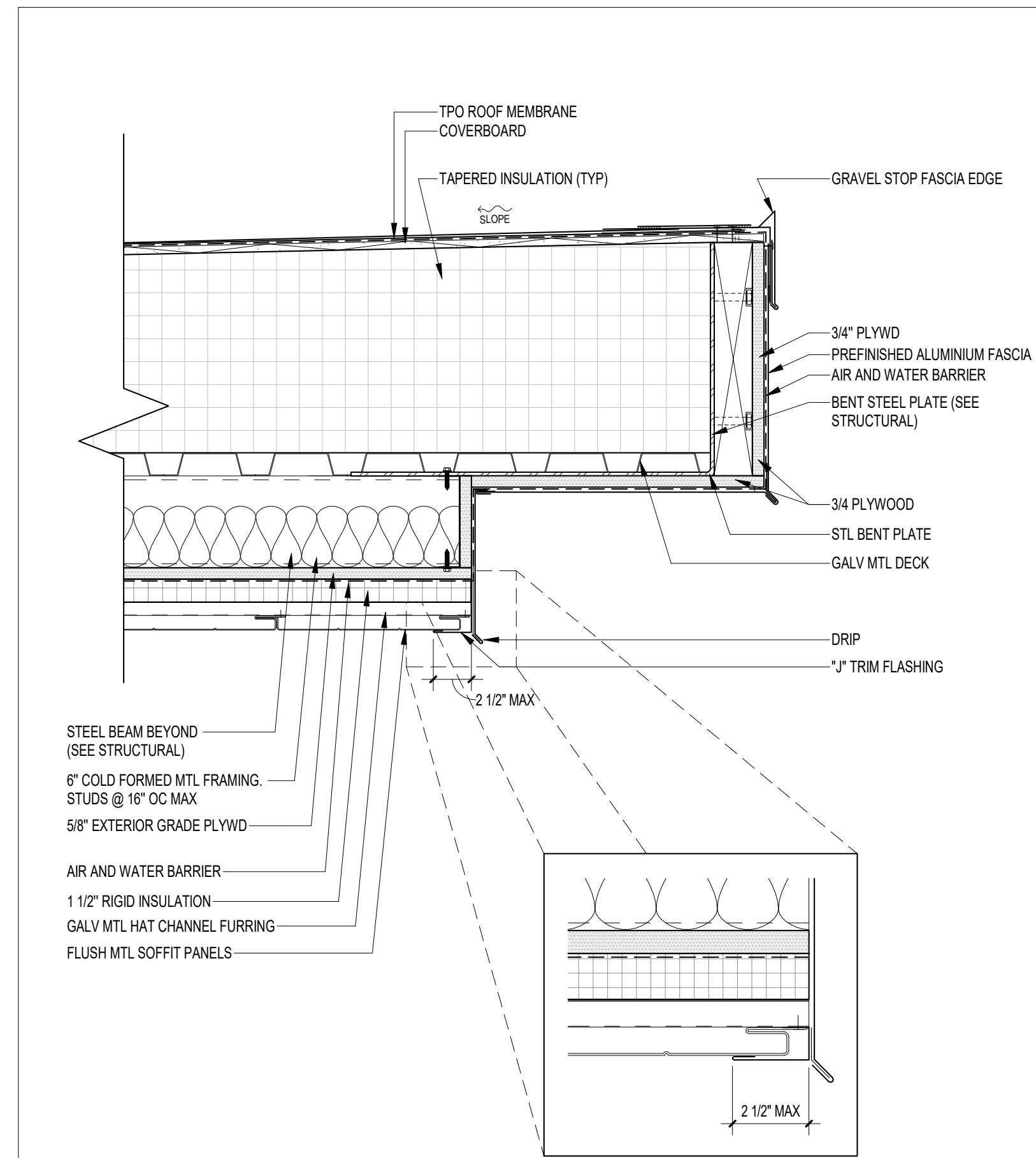
PROJECT NO
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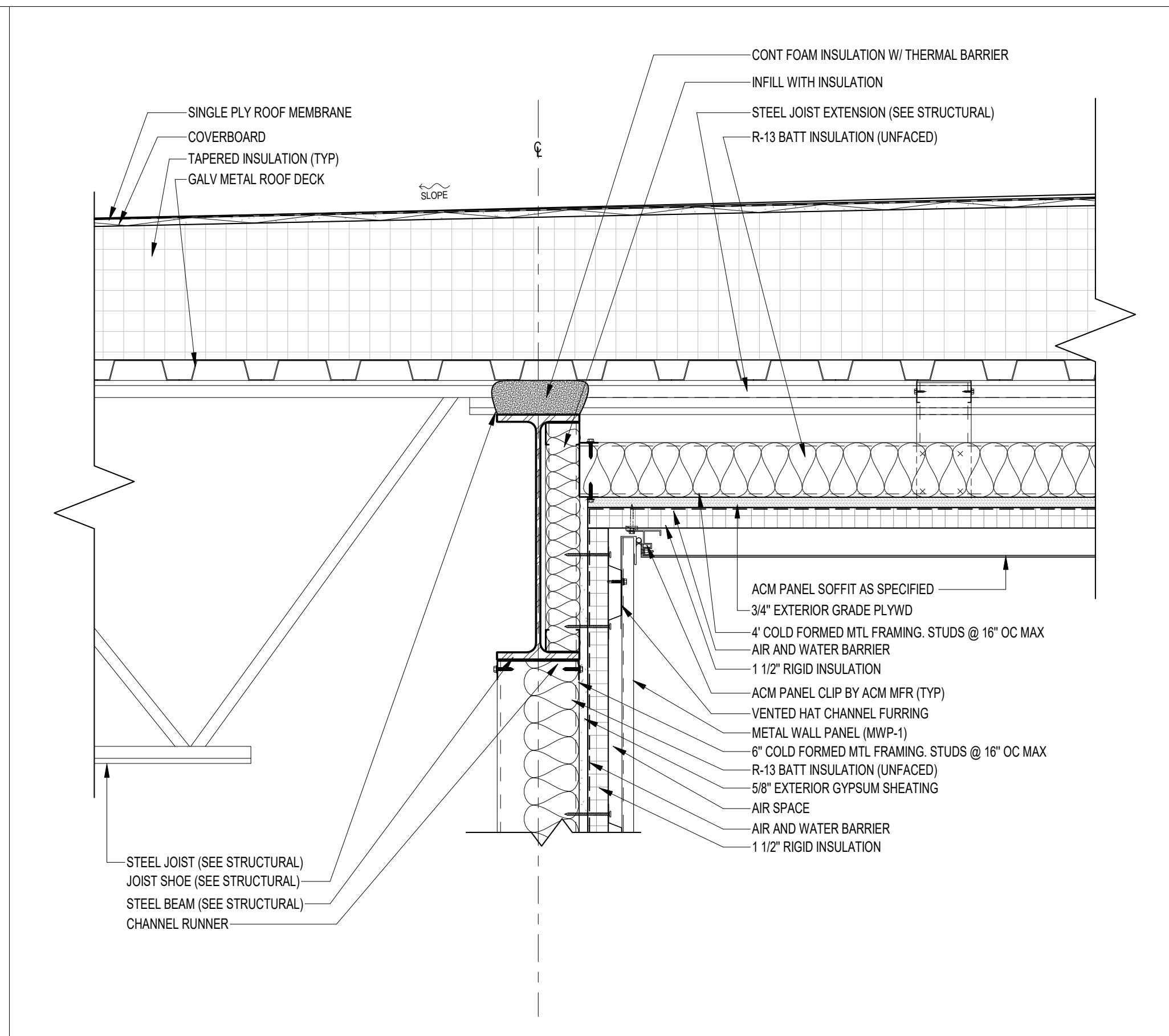
SHEET TITLE
SECTION DETAILS

SHEET NO
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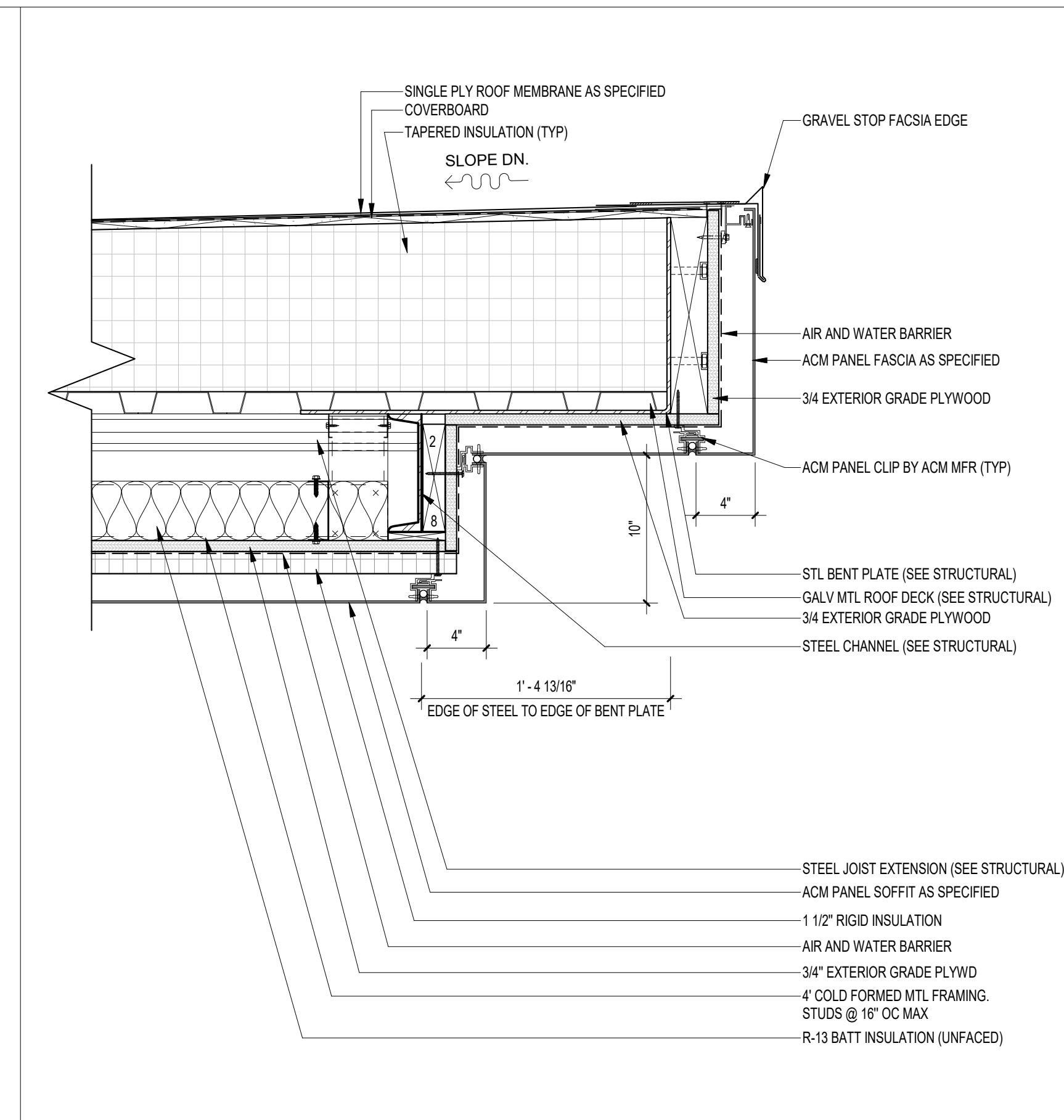
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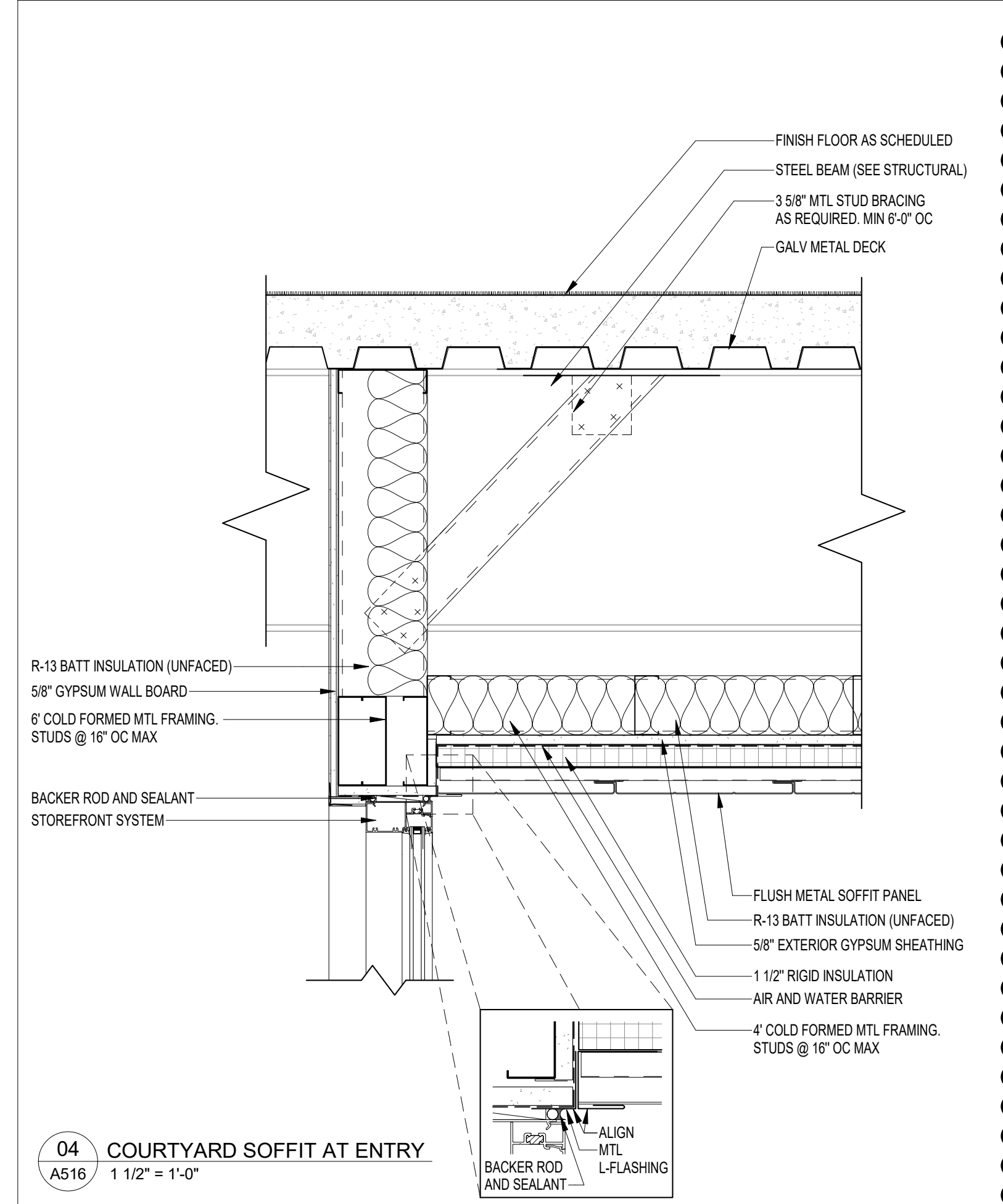
01 GRAVEL STOP (ALTERNATE FLASHING)
A516 1 1/2" = 1'-0"



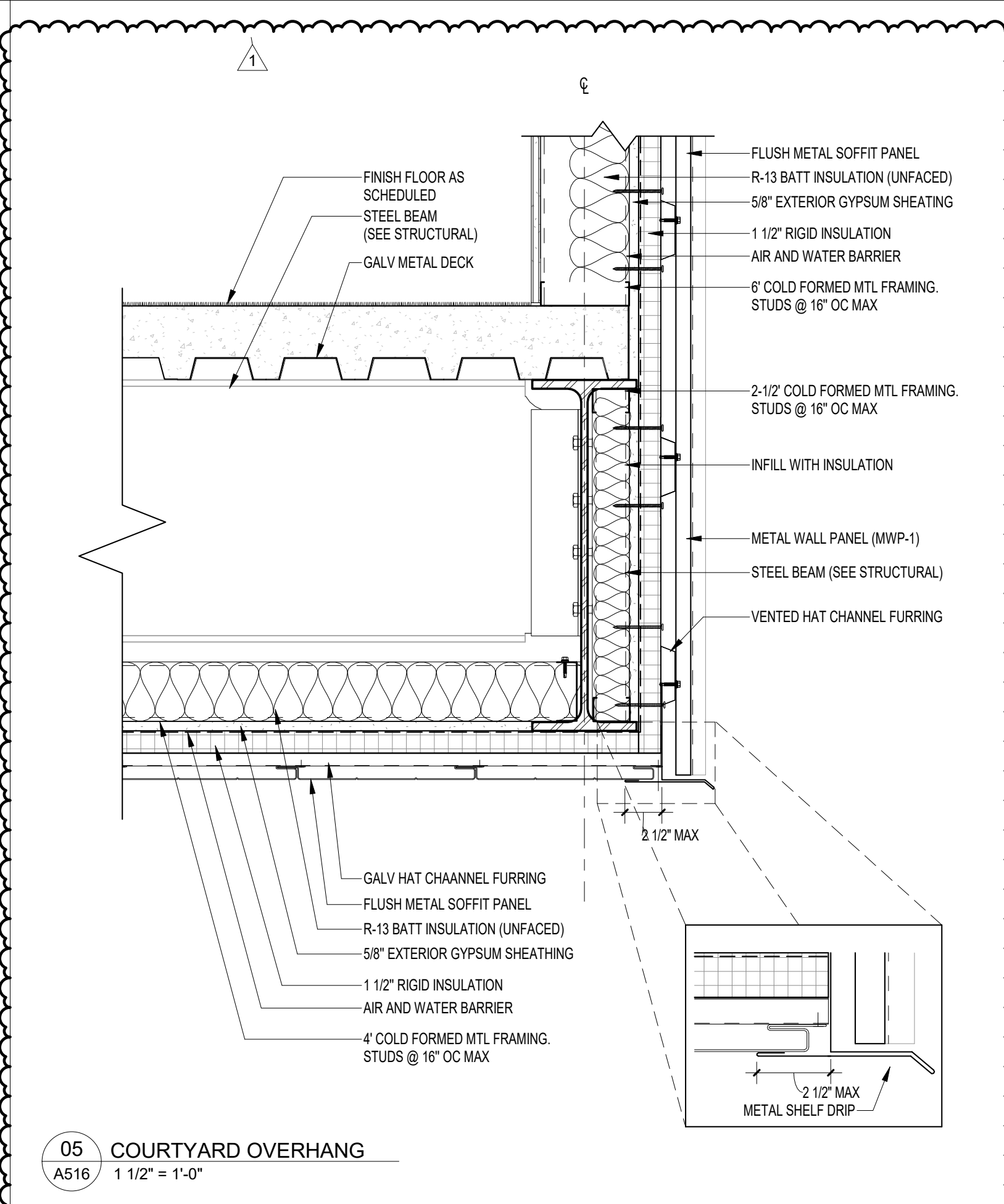
02 SECTION AT SECOND STORY ROOF
A516 1 1/2" = 1'-0"



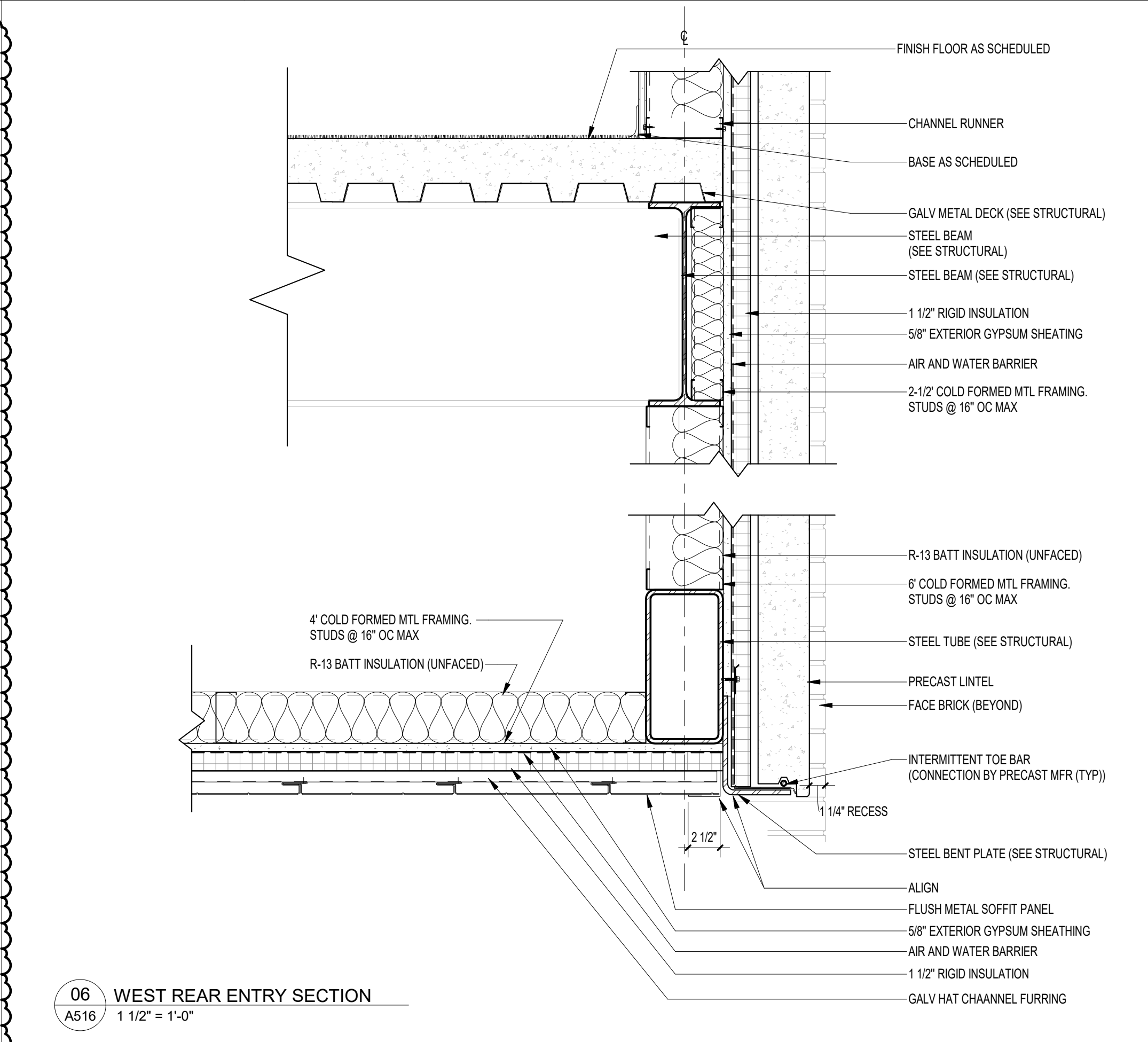
03 GRAVEL STOP OVERHANG AT EAST AND WEST
A516 1 1/2" = 1'-0"



04 COURTYARD SOFFIT AT ENTRY
A516 1 1/2" = 1'-0"



05 COURTYARD OVERHANG
A516 1 1/2" = 1'-0"



06 WEST REAR ENTRY SECTION
A516 1 1/2" = 1'-0"

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Author

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SHEET TITLE

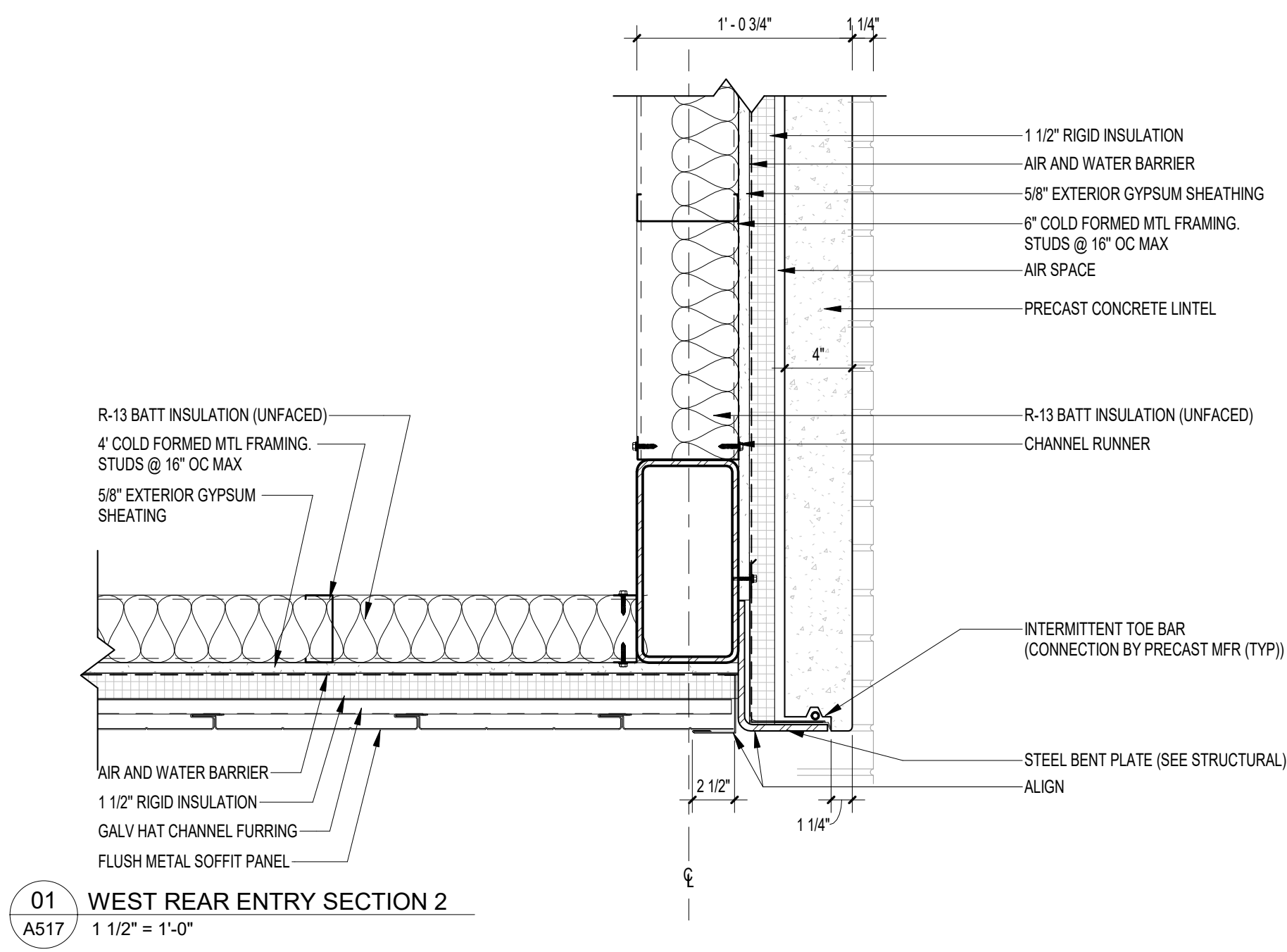
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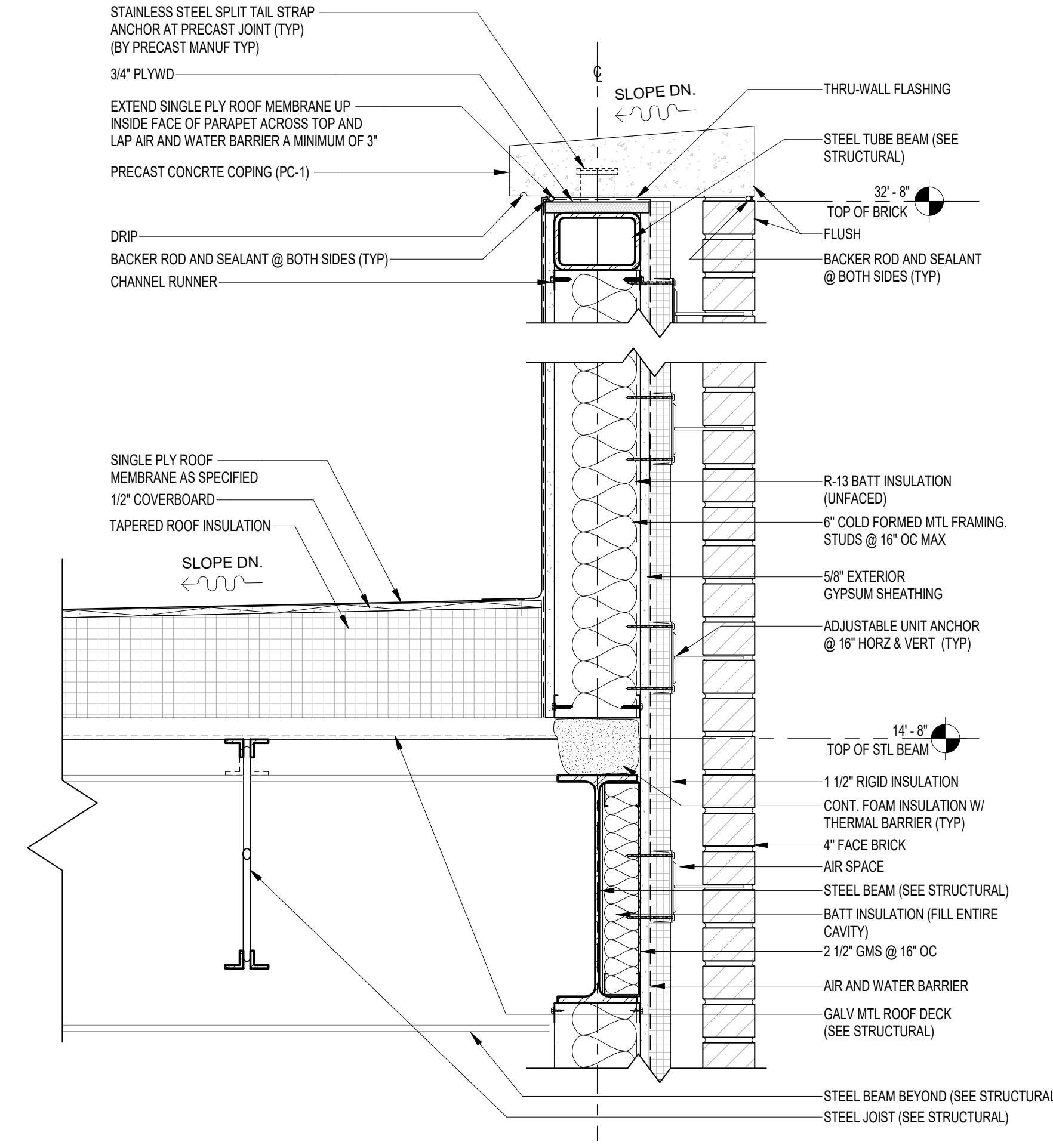
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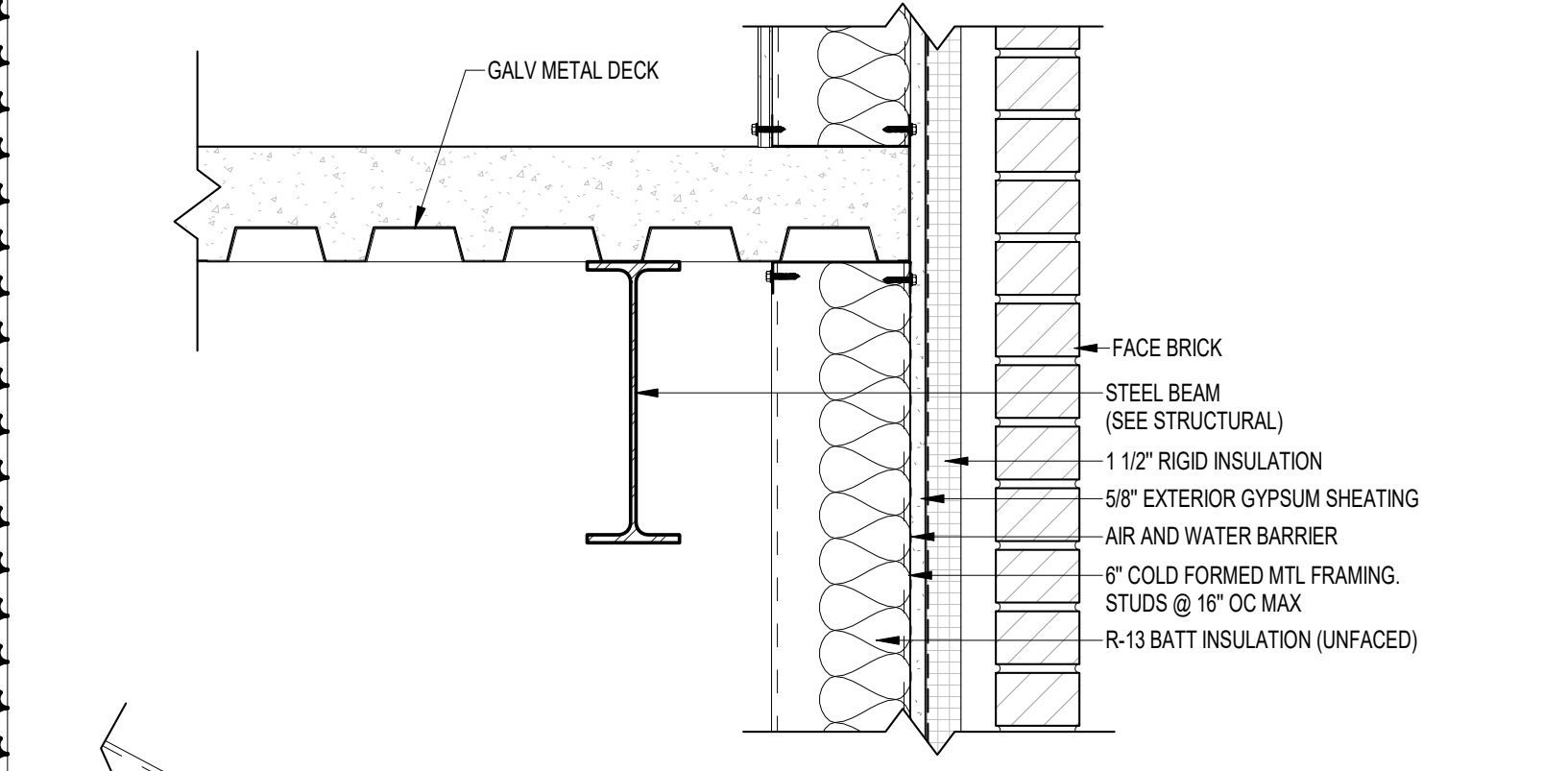
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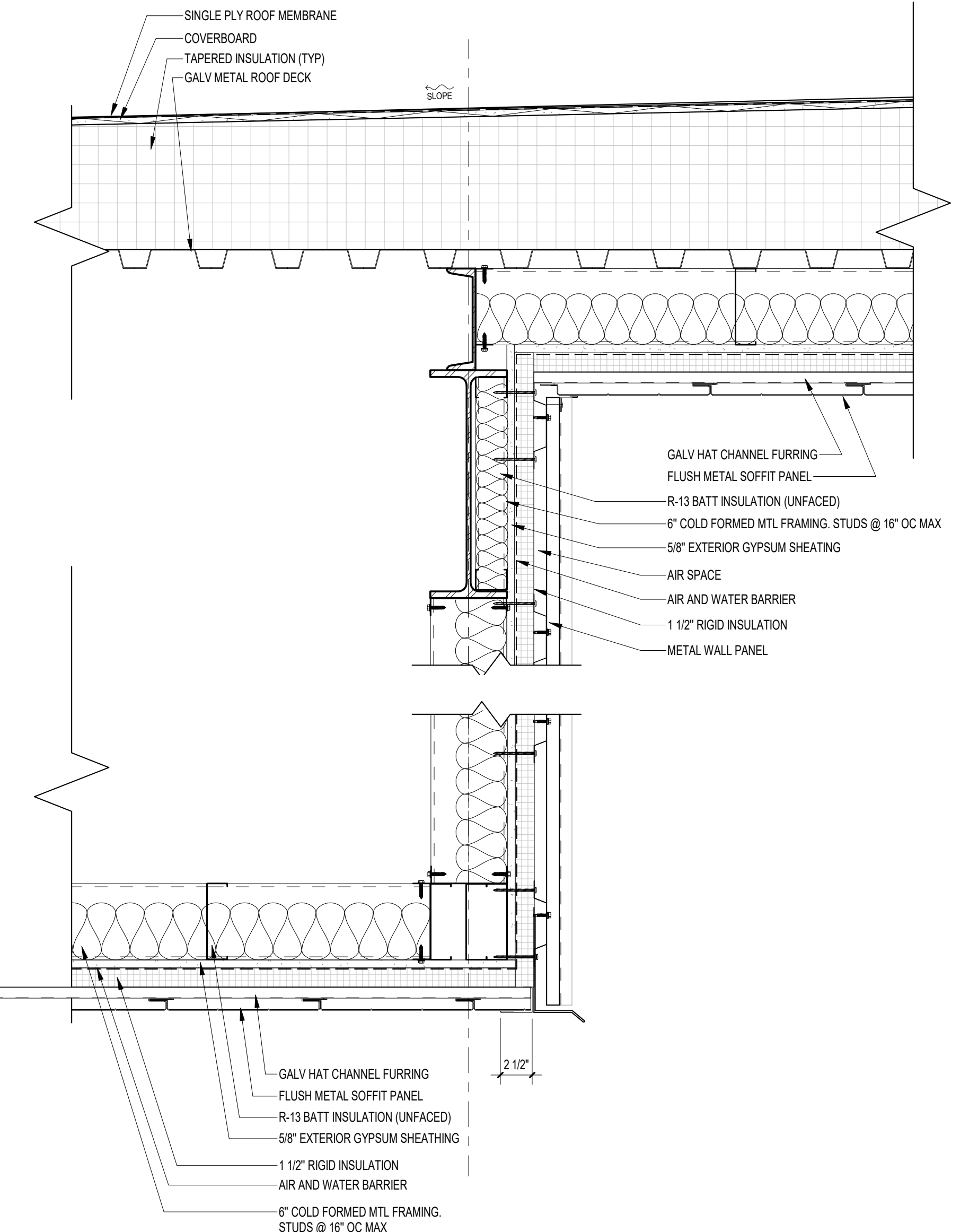
01 WEST REAR ENTRY SECTION 2
1 1/2" = 1'-0"



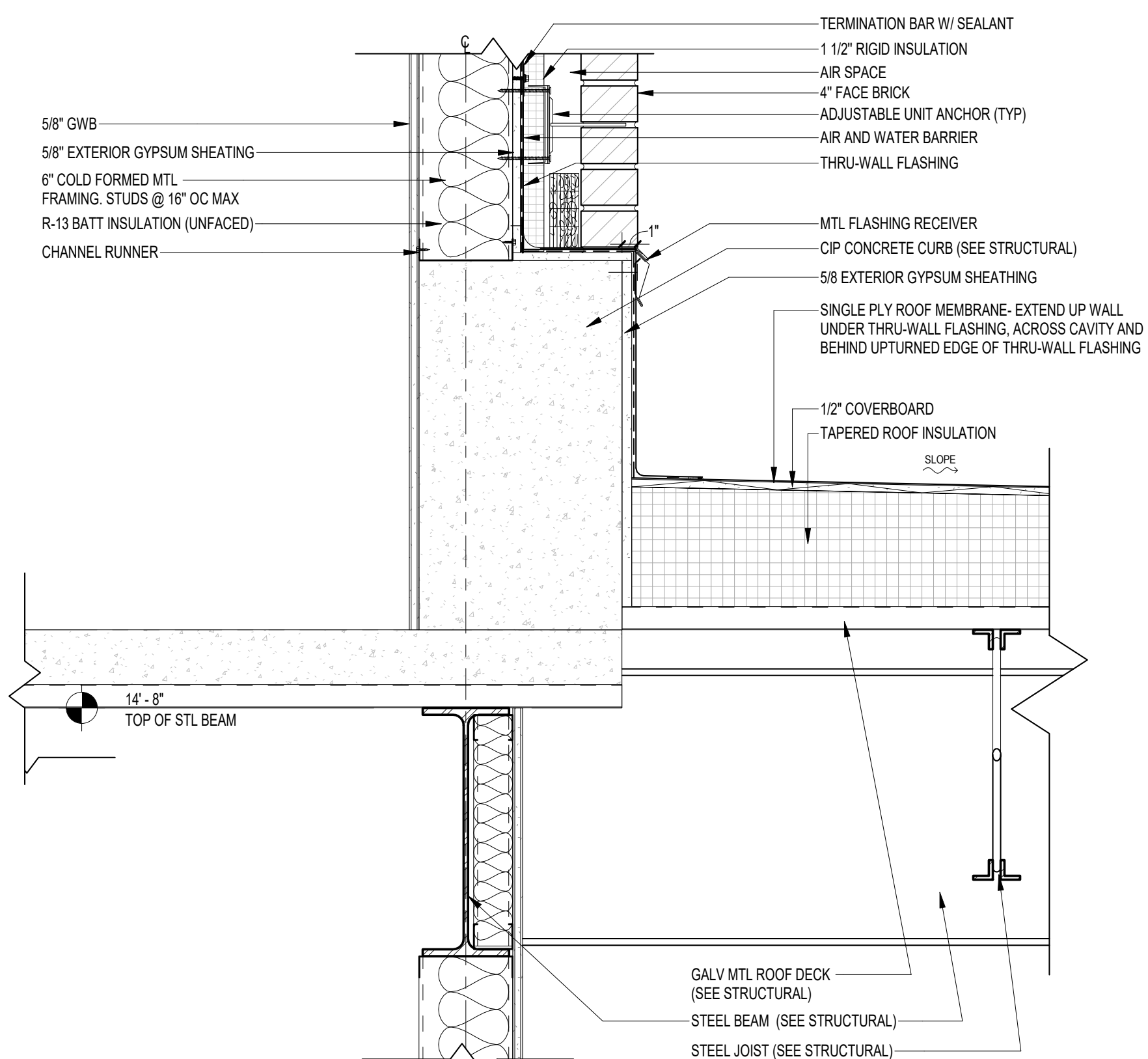
02 PARAPET DETAIL
1 1/2" = 1'-0"



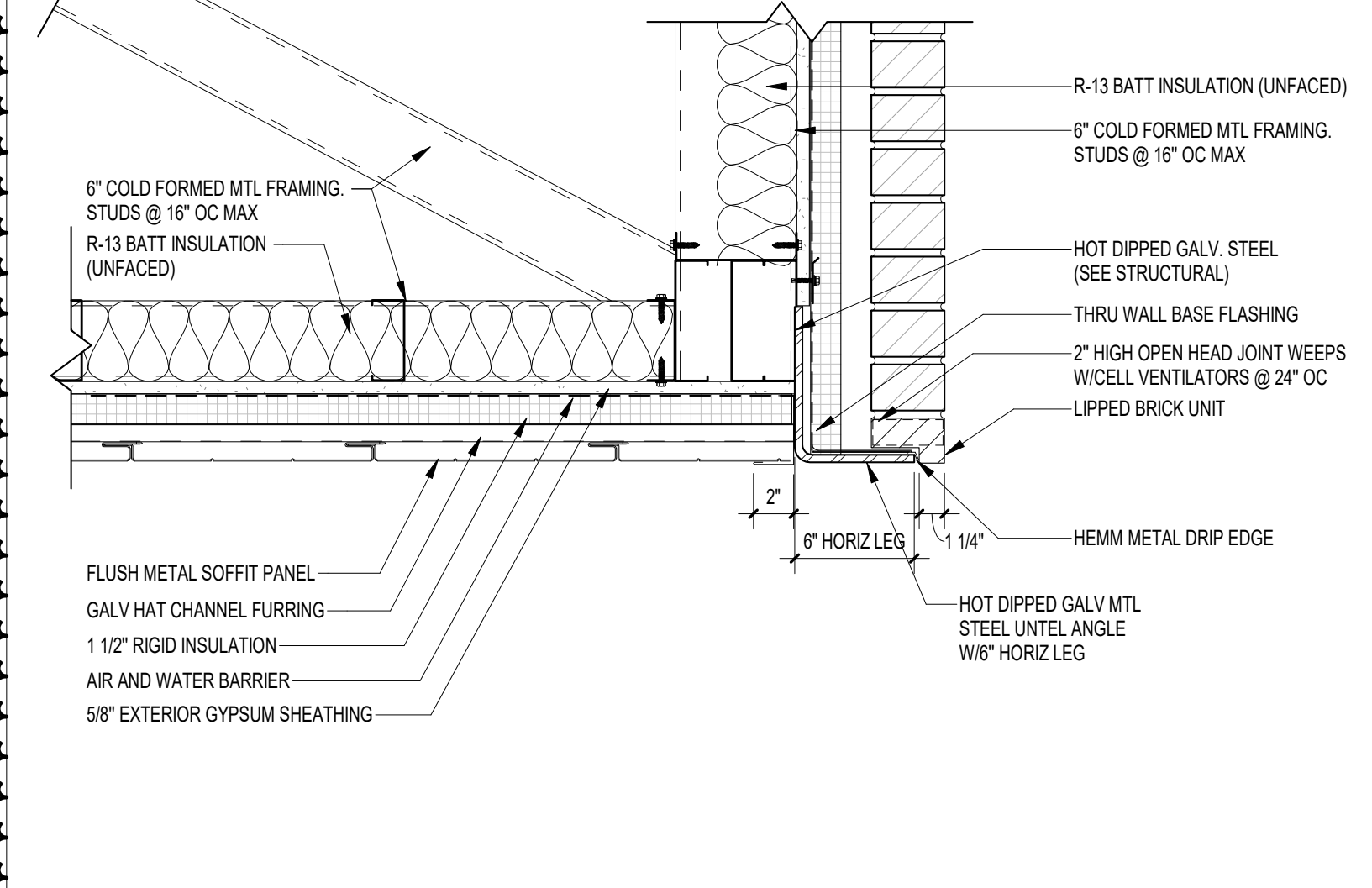
03 NORTH REAR ENTRY SECTION @ BRICK
1 1/2" = 1'-0"



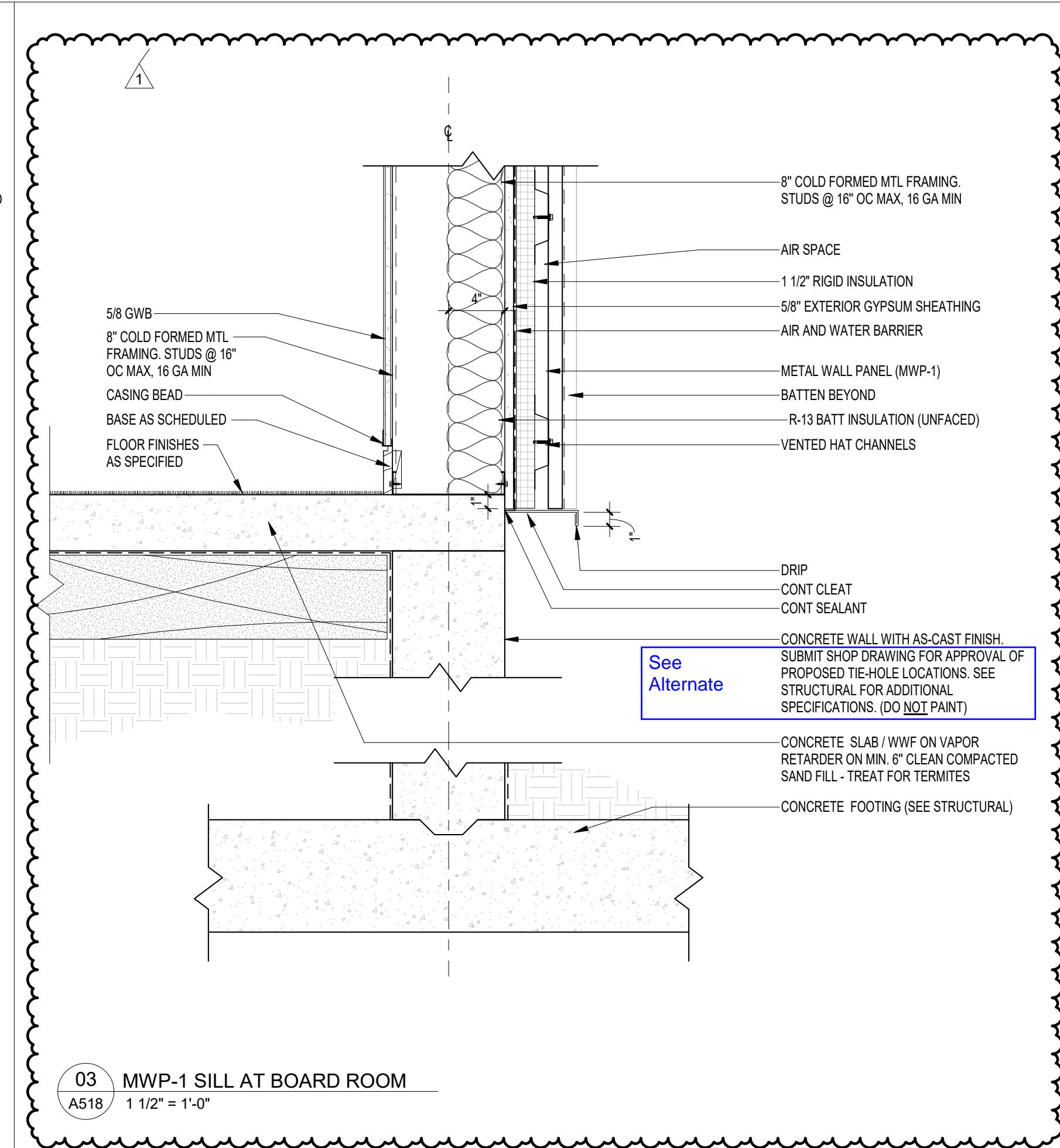
04 NORTH REAR ENTRY SECTION @ METAL PANEL
1 1/2" = 1'-0"



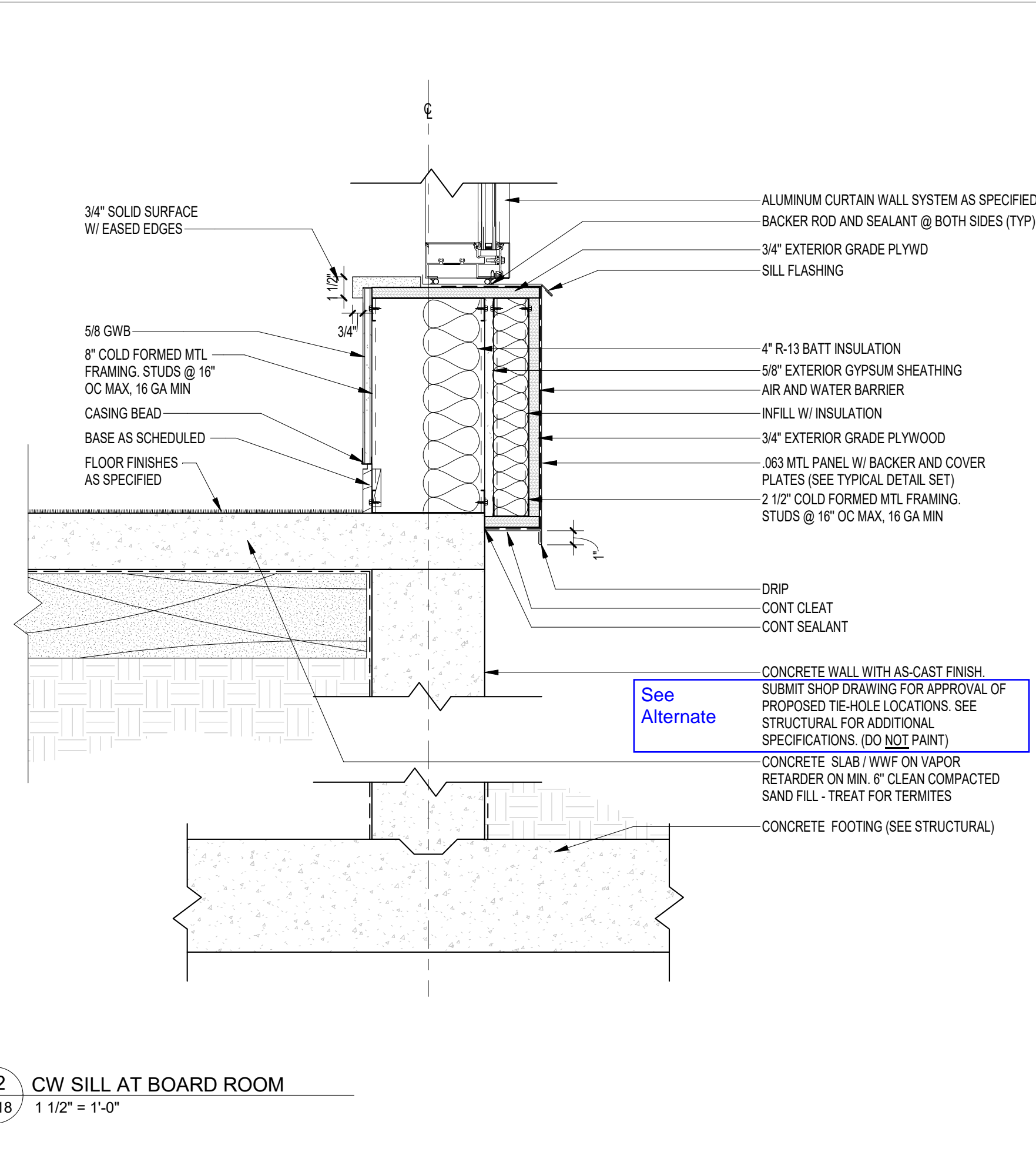
05 ROOF TO WALL CURB AT 2ND FLOOR
1 1/2" = 1'-0"



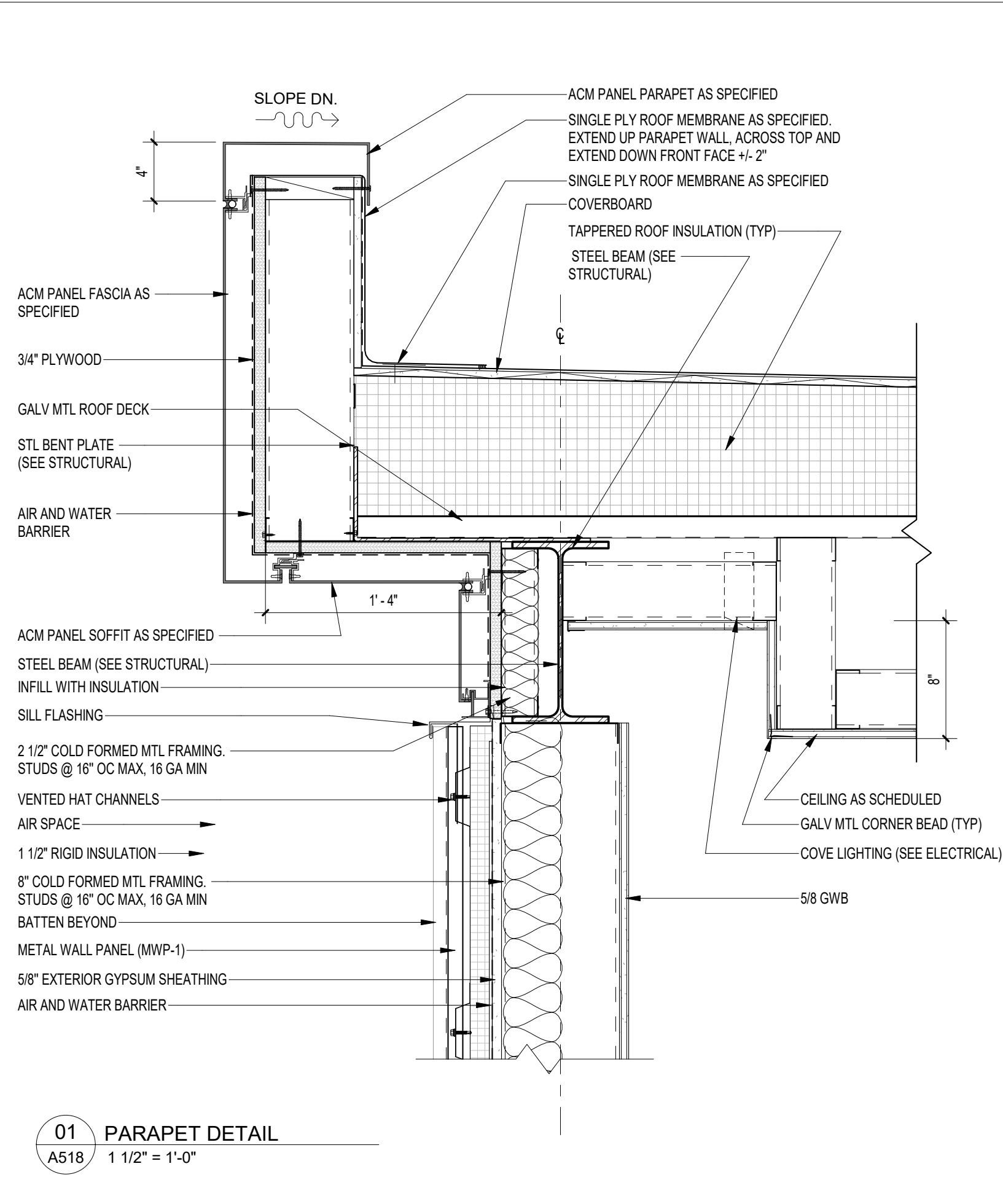
03 NORTH REAR ENTRY SECTION @ BRICK
1 1/2" = 1'-0"



03 MWP-1 SILL AT BOARD ROOM
A518 1 1/2" = 1'-0"



02 CW SILL AT BOARD ROOM
A518 1 1/2" = 1'-0"



01 PARAPET DETAIL
A518 1 1/2" = 1'-0"

NOTE:
11' x 17' SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS

WCSD EDUCATIONAL
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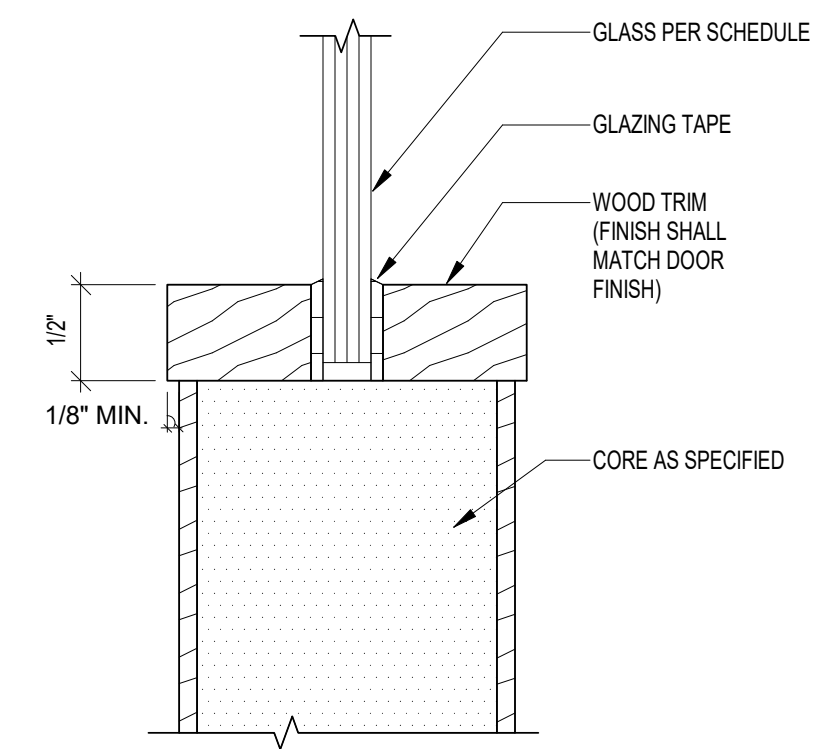
RECEIVED
ALLSTATE CONSTRUCTION
02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE	DRAWN BY
15 JANUARY 2025	Author
PROJECT NO	CHECKED BY
68100	Checker

SHEET TITLE
SECTION DETAILS



DOOR GLAZING

NTS

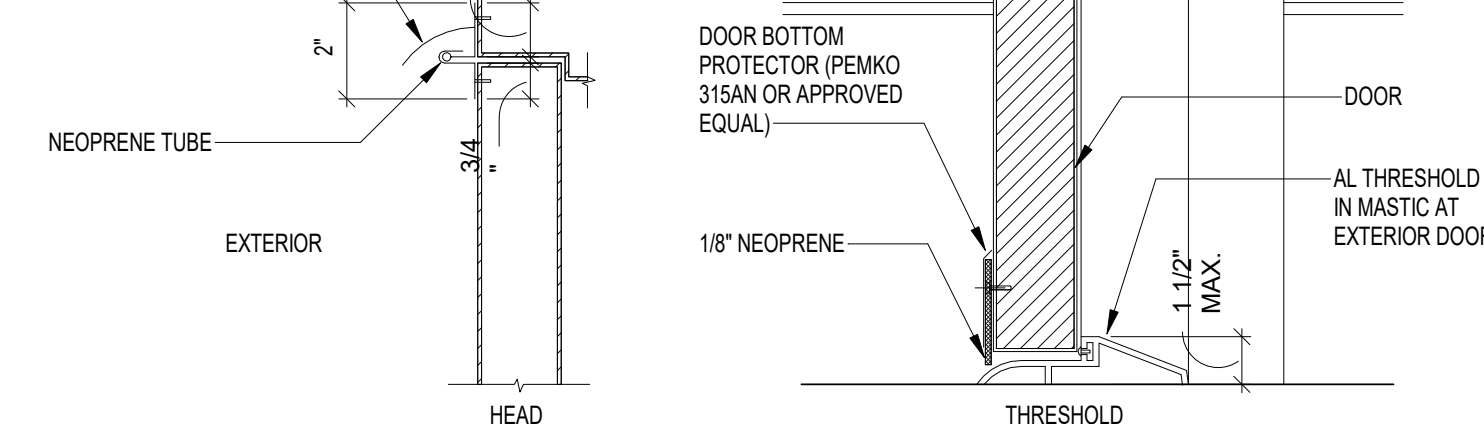
GLAZING LEGEND

- 1 SINGLE GLAZING - 1/4" CLEAR TEMPERED GLASS
- 2 LABELED FIRE SAFETY GLASS (SEE LS FOR RATING REQUIREMENTS)
- 3 1/4" CLEAR GLASS (USE 3/8" CLEAR AT STOREFRONT W/ ETCHED GLAZING ONLY)
- 4 2X LAYERS 3/16" ETCHED GLASS WITH 1/4" AIRSPACE
- 5 NOT USED
- 6 BULLET RESISTANT - LEVEL 3 GLASS
- 7 1" INSULATED ONE-WAY OBSERVATION TEMPERED GLASS
- 8 NOT USED
- 9 3/8" CLEAR TEMPERED GLASS
- 10 1" INSULATED METAL PANEL (TYP)
- 11 1" INSULATED GLASS UNIT - OUTERLITE 1/4" CLEAR LOW-E #2 X AIRSPACE X 1/4" CLEAR INNER LITE
- 12 1" INSULATED GLASS UNIT - OUTERLITE 1/4" CLEAR LOW-E #2 X AIRSPACE X 1/4" TEMPERED INNER LITE

NOTE:

1. GLAZING IN EXTERIOR DOORS SHALL BE TYPE 5 U.O.N.
2. GLAZING IN INTERIOR NON-RATED DOORS SHALL BE TYPE -1 U.O.N.
3. GLASS THICKNESS INDICATED ABOVE IS THE MINIMUM. INCREASE THICKNESS AS REQUIRED TO MEET DESIGN WIND LOADS. EXTERIOR GLAZING SHALL BE IMPACT RESISTANT.

INTERLOCKING WATER SHED - EXTRUDED ALUM. (PEMCO 347A AND 347 AR OR APPROVED EQUAL)



TYP EXTERIOR DOOR WEATHERPROOFING

NTS

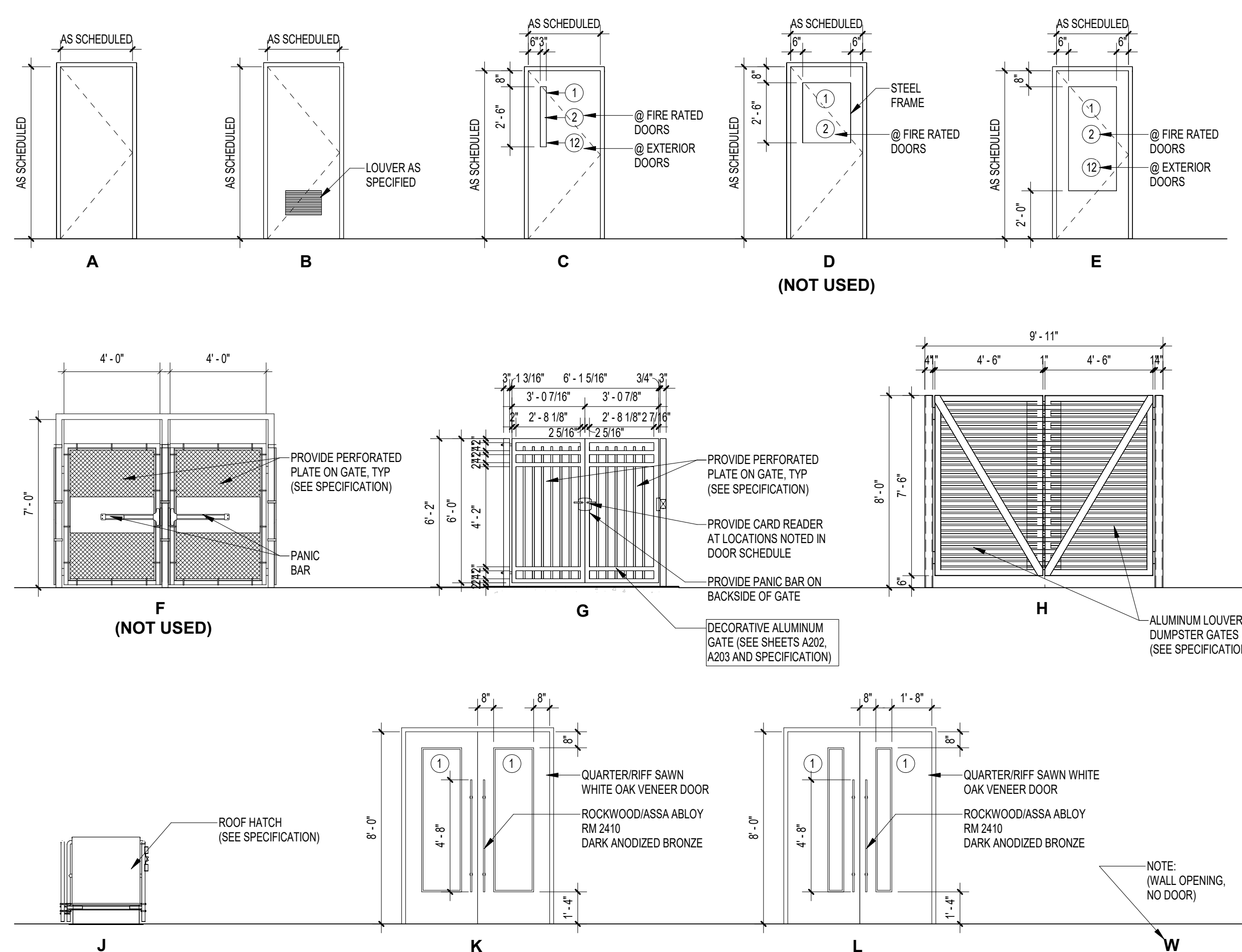
(AT DOORS FLUSH WITH EXTERIOR WALLS NOT PROVIDED WITH A PROTECTIVE OVERHANG ONLY)

DOOR AND WINDOW GENERAL NOTES:

1. ROUGH OPENING DIMENSIONS ARE INDICATED. ACTUAL WINDOW SIZES SHOULD BE CONSTRUCTED TO MEET TOLERANCES NECESSARY FOR PROPER VERTICAL AND HORIZONTAL ALIGNMENT OF SYSTEMS AND PERFORMANCE W/ DETAILS INCLUDED HEREIN. SEE SPECIFICATIONS AND FIELD VERIFY DIMENSIONS PRIOR TO FABRICATION.
2. WEATHERSTRIPPING SHALL BE PROVIDED AT HEAD AND JAMBS OF EXTERIOR DOORS.
3. THRESHOLDS SHALL CONFORM TO ADA ACCESSIBILITY REQUIREMENTS.
4. PRE-DRILL DOORS FOR THE APPROPRIATE HARDWARE SET AS SPECIFIED.
5. DOORS TO HAVE LEVER-TYPE HANDLES TO MEET ADA ACCESSIBILITY REQUIREMENTS. REFER TO HARDWARE SCHEDULE IN THE SPECIFICATIONS.
6. SECTIONS THROUGH ALUM WINDOW MEMBERS ARE JOB SPECIFIC - "ACCEPTABLE MANUFACTURERS TO MATCH DETAILS PRECISELY" PER THE SPECIFICATIONS.
7. SECTIONS THROUGH ALUM STOREFRONT MEMBERS ARE JOB SPECIFIC - "ACCEPTABLE MANUFACTURERS TO MATCH DETAILS PRECISELY" PER THE SPECIFICATIONS.
8. WINDOW, STOREFRONT, AND CURTAINWALL MFR'S SHALL BE RESPONSIBLE TO PROVIDE ANY ADDITIONAL MULLION REINFORCEMENT NECESSARY TO MEET SPECIFIED WIND LOADING CRITERIA.
9. THRESHOLDS, JAMBS, AND HEADS OF EXTERIOR DOORS SHALL BE FULLY GASKETED.
10. IN WINDOWS AND STOREFRONTS, SUBSILLS SHALL BE SET IN A BED OF SEALANT TO INSURE A WATERTIGHT SEAL (INTERIOR AND EXTERIOR).
11. END DAM SUBSILL WITH FLASHING MATERIAL. SEAL END DAM TO SUBSILL, THEN SEAL END DAM TO CONDITION PER MFR. INSTRUCTIONS.
12. FASTENER HEADS AT SILL MUST BE COVERED WITH SEALANT TO INSURE A WATERTIGHT SEAL (TYP) EXTERIOR CONDITIONS.
13. ALL EXTERIOR AND ADJACENT DOORS (AS DEFINED BY FBC-B CHAPTER 13) TO COMPLY WITH FBC-B 13-403.AB.
14. VALUE ENGINEERING TO A LESS EFFICIENT UNIT OR ASSEMBLY IS NOT ALLOWED WITHOUT RESUBMITTAL OF THE ENERGY FORMS AND APPROVAL OF THE BUILDING DEPARTMENT.

GLAZING NOTES:

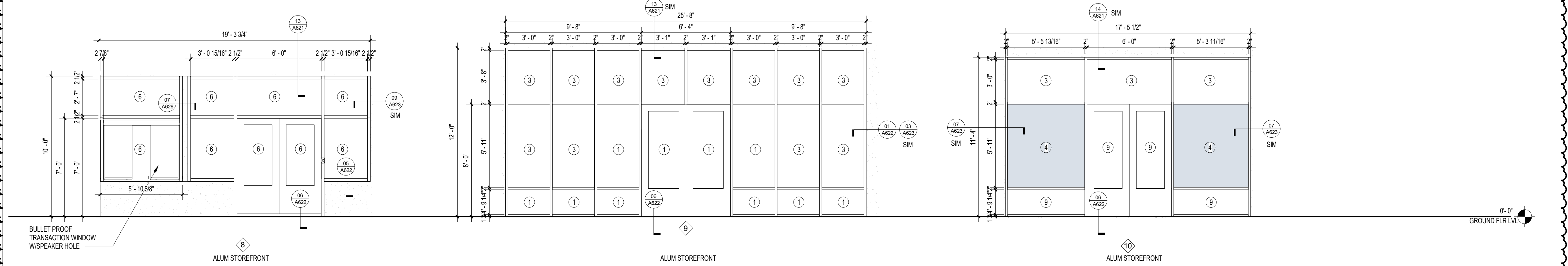
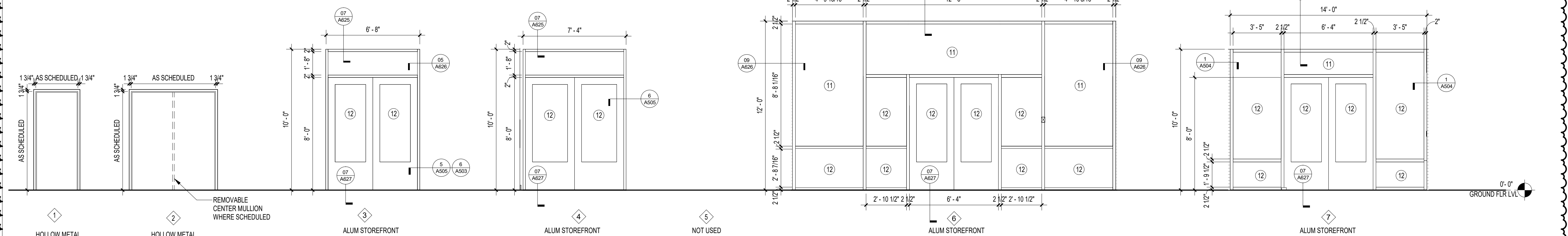
1. EXTERIOR GLAZING SHALL BE CLEAR, AND INTERIOR GLAZING SHALL BE CLEAR, UNLESS NOTED OTHERWISE.
2. LABELED, TEMPERED, AND LAMINATED GLAZING SHALL DISPLAY A PERMANENT STAMP OR MANUFACTURER'S LABEL IDENTIFYING THE PRODUCT. ANY LABELS ON INTERIOR HOLLOW METAL WINDOW FRAMES SHALL BE INSTALLED ON UNDERSIDE OF HORIZONTAL MULLIONS OR ANOTHER DISCRETE LOCATION IF APPROPRIATE.
3. TEMPERED GLASS SHALL BE IN LOCATIONS WHERE WINDOWS OR GLAZING IS LOCATED WITHIN 4'-0" OF INTERIOR OR EXTERIOR DOORS AND BELOW DOOR HEAD HIGH.
4. SEE WINDOW ELEVATIONS FOR GLAZING TYPES.
5. FIRE RATED GLAZING 45 MINUTES OR HIGHER SHALL COMPLY WITH THE HOSE STREAM TEST.



DOOR ELEVATIONS

1/4" = 1'-0"

GENERAL NOTE:
REFER TO HARDWARE SCHEDULE IN PROJECT MANUAL FOR ALL DOOR HARDWARE



DOOR FRAME ELEVATIONS

1/4" = 1'-0"

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2 THE SCALE NOTED ON THESE DRAWINGS

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15 JANUARY 2025	RMP
PROJECT NO	CHECKED BY
68100	

SHEET TITLE
DOOR AND FRAME
ELEVATIONS (GLAZING
LEGEND)

SHEET NO	REV NO
A605	1

GLAZING LEGEND

- ① SINGLE GLAZING - 1/4" CLEAR TEMPERED GLASS
- ② LABELED FIRE SAFETY GLASS (SEE LS FOR RATING REQUIREMENTS)
- ③ 1/4" CLEAR GLASS (USE 3/8" CLEAR AT STOREFRONT W/ ETCHED GLAZING ONLY)
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- ⑤ NOT USED
- ⑥ BULLET RESISTANT - LEVEL 3 GLASS
- ⑦ 1" INSULATED ONE-WAY OBSERVATION TEMPERED GLASS
- ⑧ NOT USED
- ⑨ 3/8" CLEAR TEMPERED GLASS
- ⑩ 1" INSULATED METAL PANEL (TYP)
- ⑪ 1" INSULATED GLASS UNIT : OUTERLITE 1/4" CLEAR LOW-E #2 X AIRSPACE X 1/4" CLEAR INNER LITE
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NOTE:

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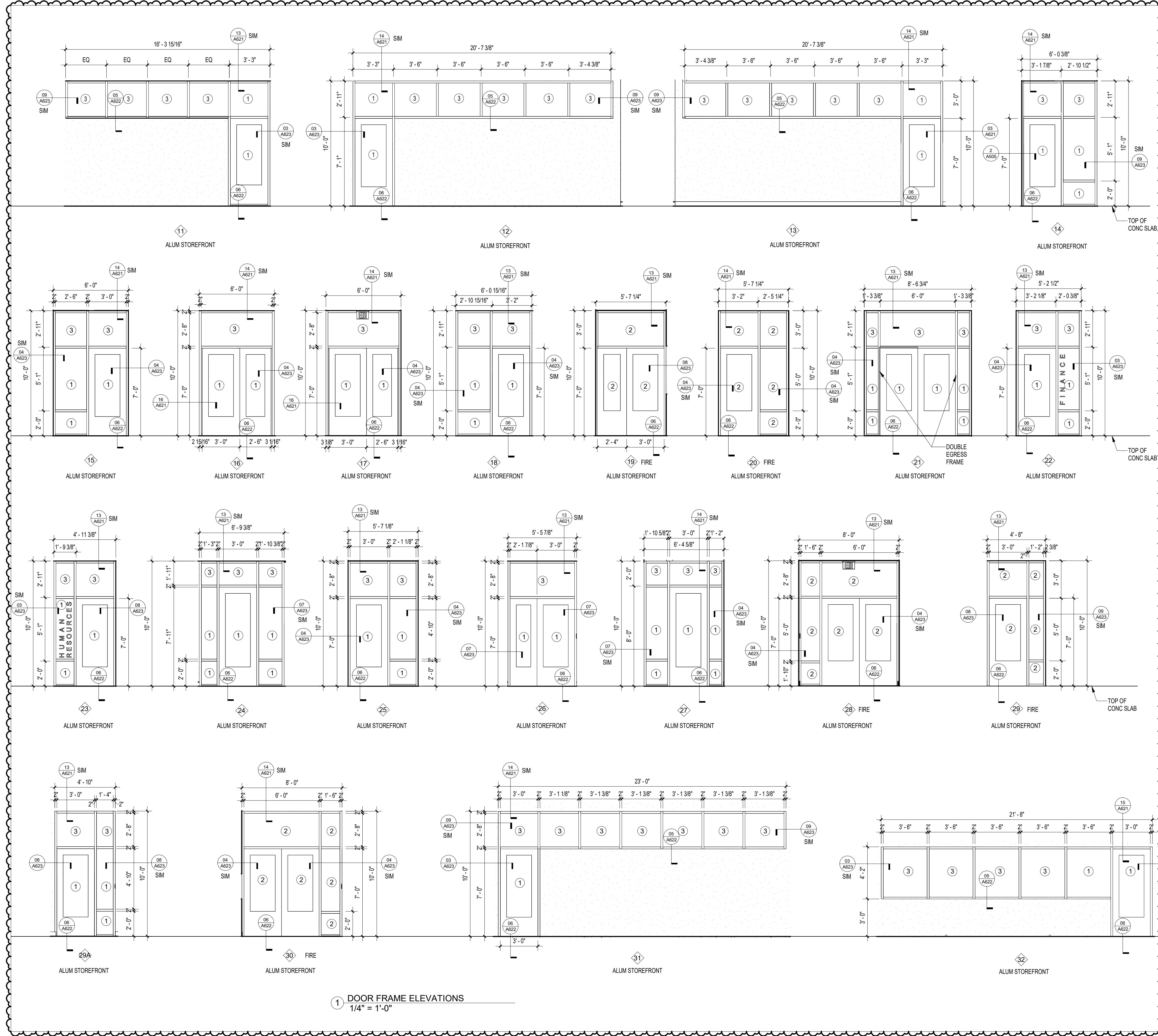
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PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE	15 JANUARY 2025	DRAWN BY	RMP
PROJECT NO	68100	CHECKED BY	

SHEET TITLE
DOOR FRAME ELEVATIONS

SHEET NO	A606	REV NO	1
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① DOOR FRAME ELEVATIONS
1/4" = 1'-0"

GLAZING LEGEND

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NOTE:

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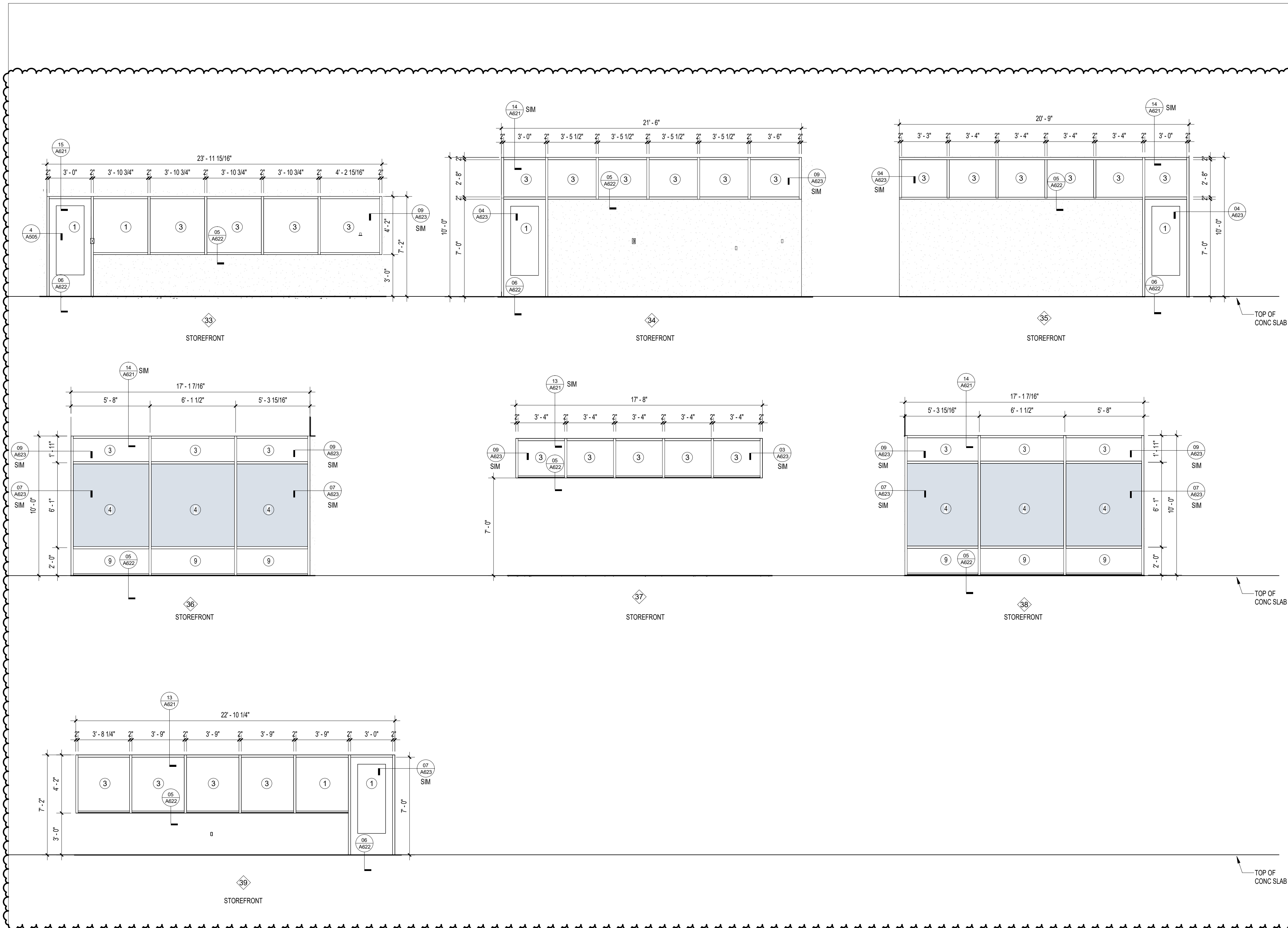
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PROJECT PHASE
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DATE	15 JANUARY 2025	DRAWN BY	RMP
PROJECT NO	68100	CHECKED BY	

SHEET TITLE
**DOOR FRAME AND
WINDOW ELEVATIONS**

SHEET NO	A607	REV NO	1
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NOTE:
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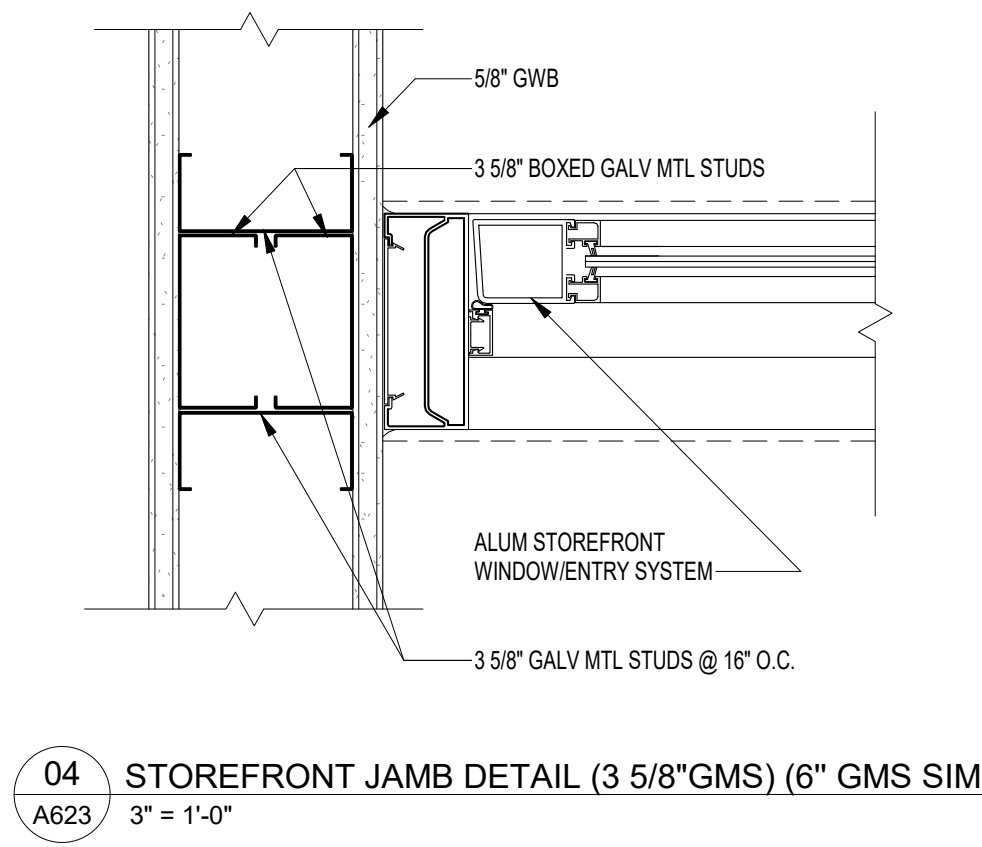
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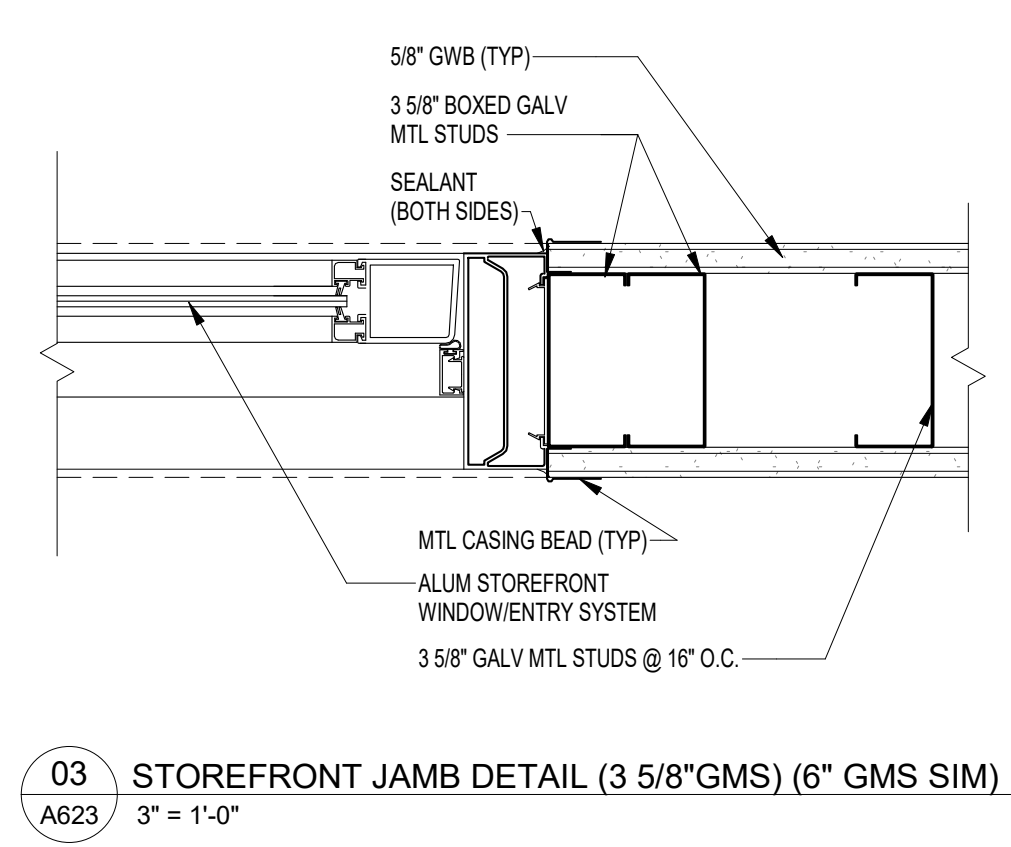
DATE	DRAWN BY
15 JANUARY 2025	RMP
PROJECT NO	CHECKED BY
68100	BI

SHEET TITLE
**DOOR AND WINDOW
DETAILS**

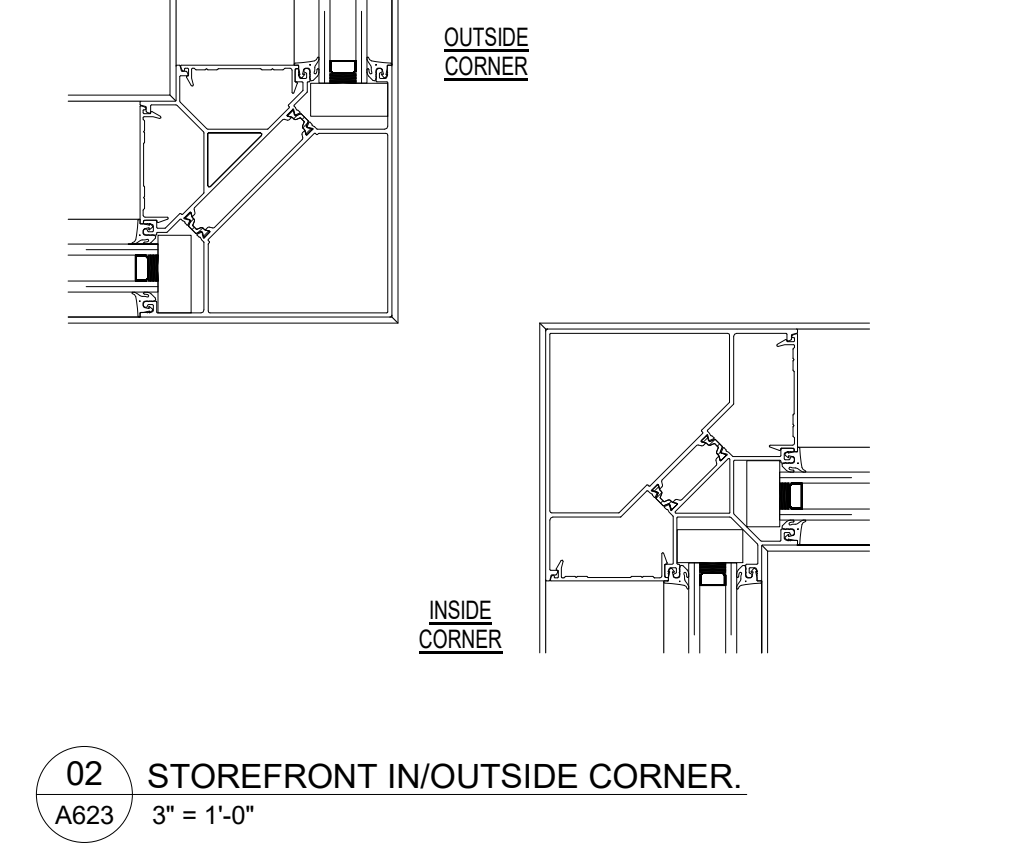
SHEET NO	REV NO
A623	1



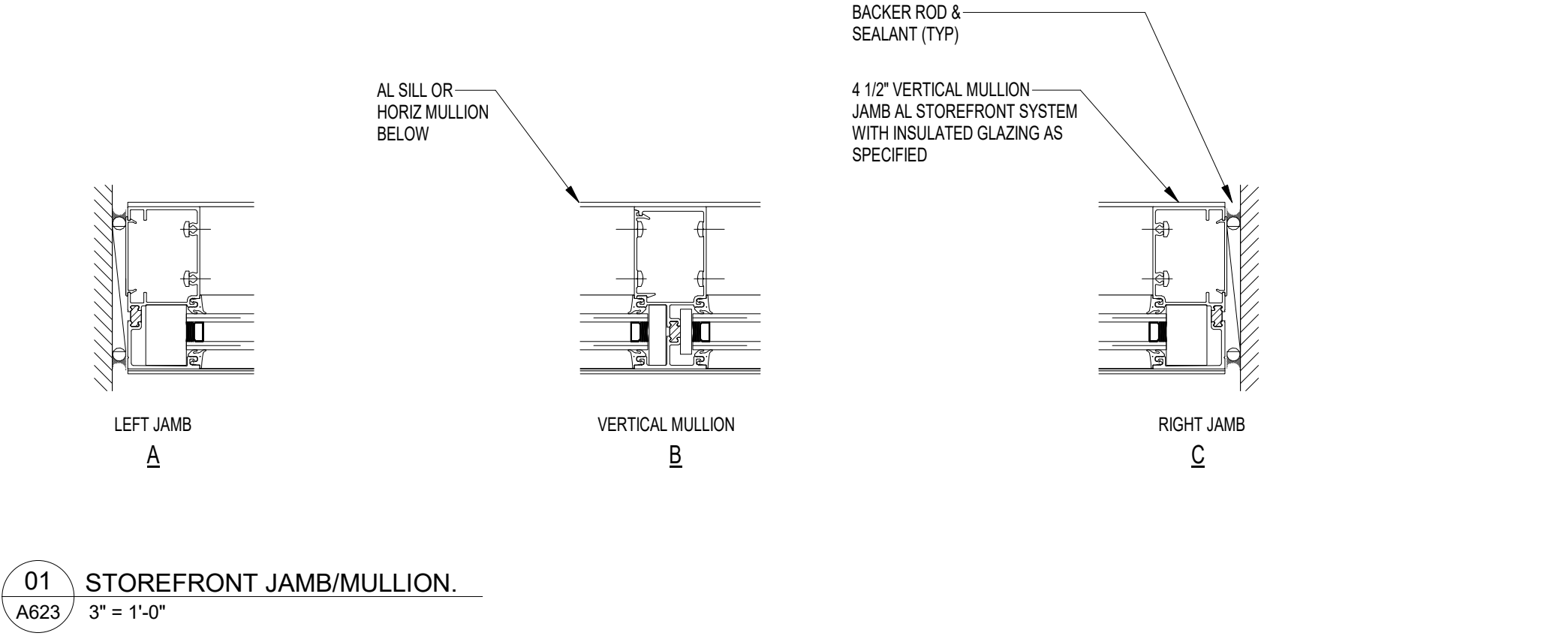
04 STOREFRONT JAMB DETAIL (3 5/8" GMS) (6" GMS SIM)
A623 3" = 1'-0"



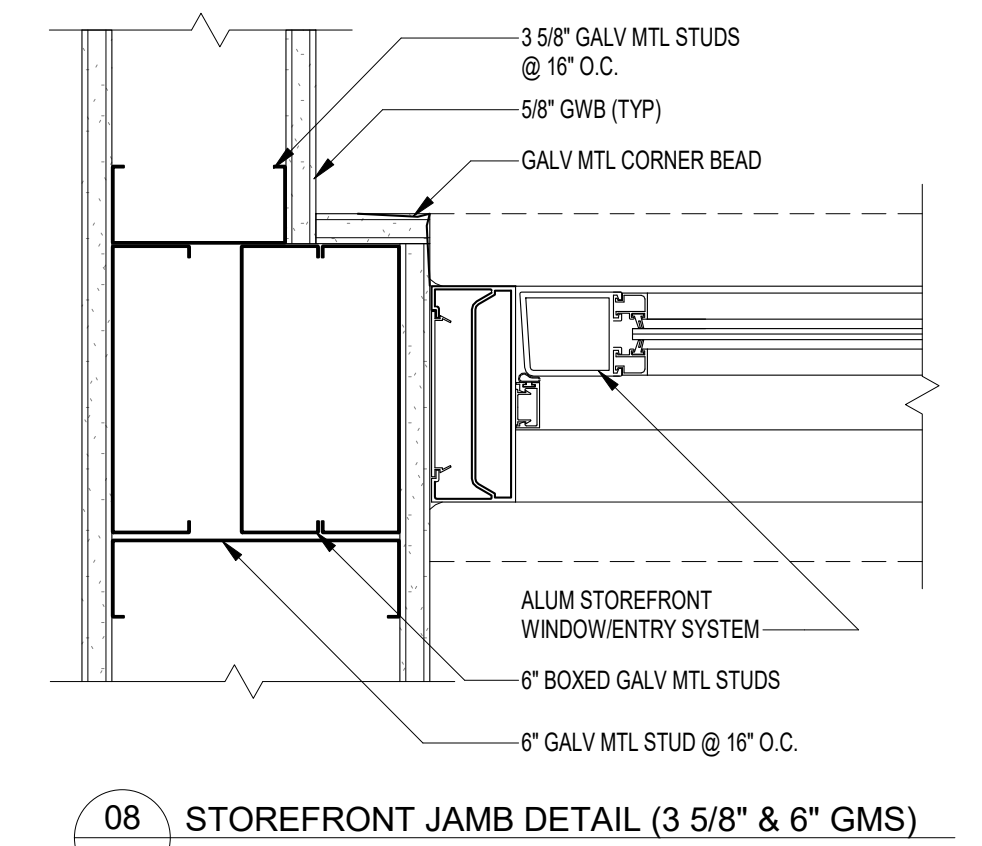
03 STOREFRONT JAMB DETAIL (3 5/8" GMS) (6" GMS SIM)
A623 3" = 1'-0"



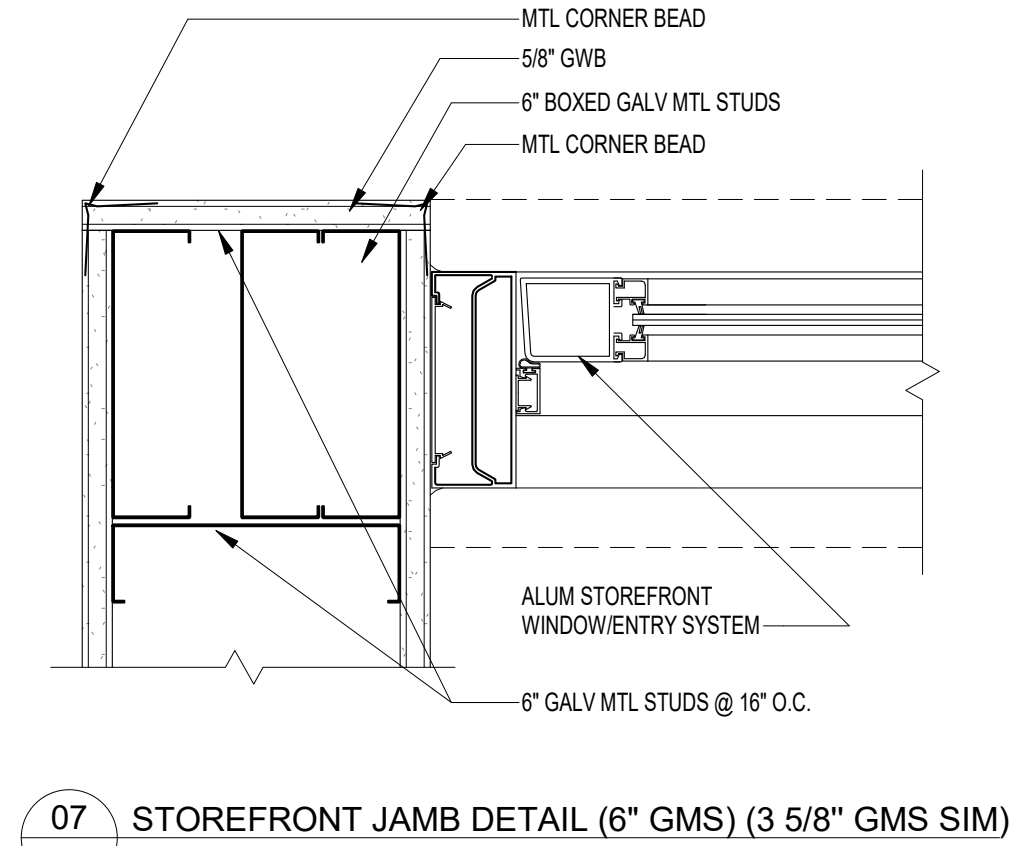
02 STOREFRONT IN/OUTSIDE CORNER.
A623 3" = 1'-0"



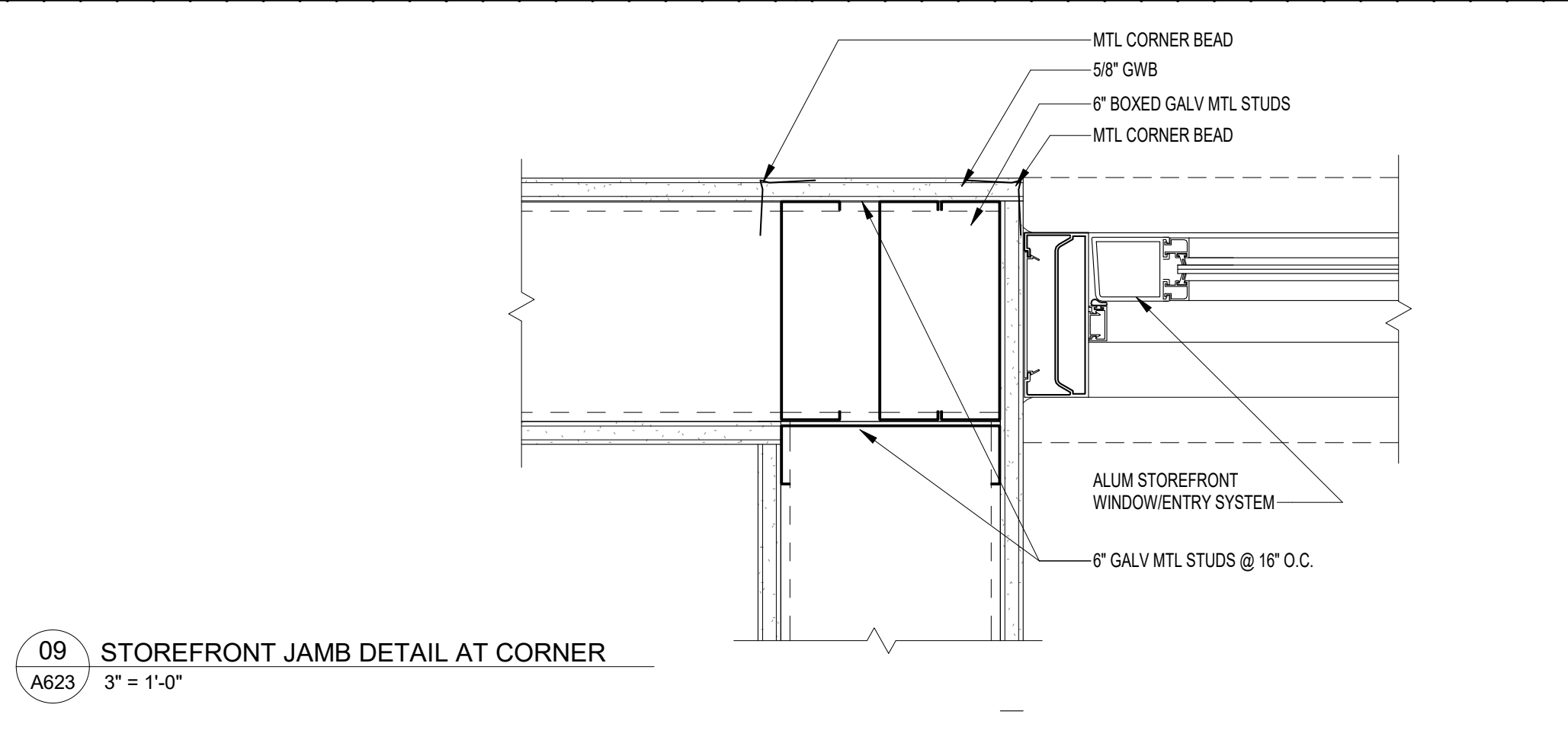
01 STOREFRONT JAMB/MULLION.
A623 3" = 1'-0"



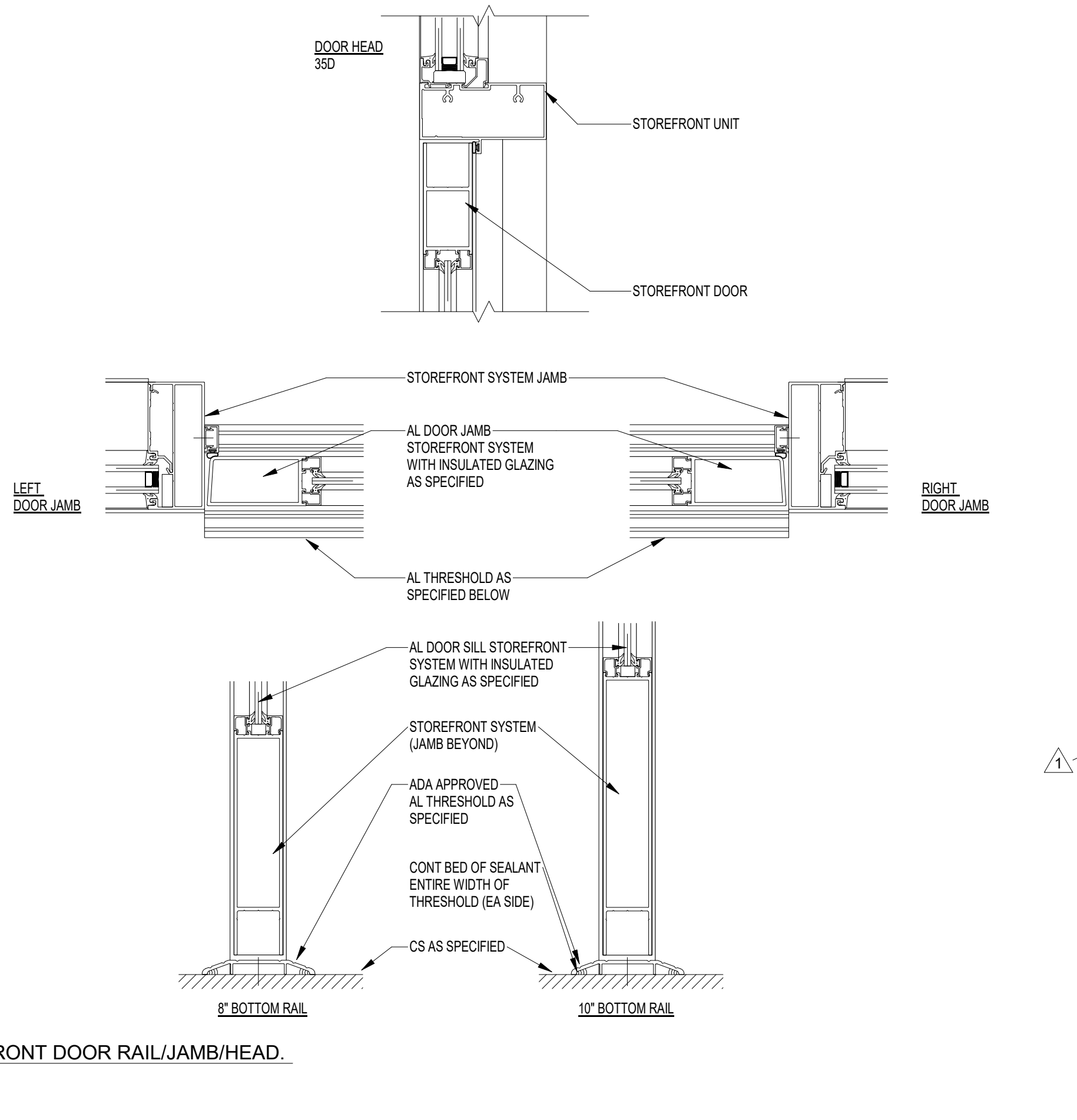
08 STOREFRONT JAMB DETAIL (3 5/8" & 6" GMS)
A623 3" = 1'-0"



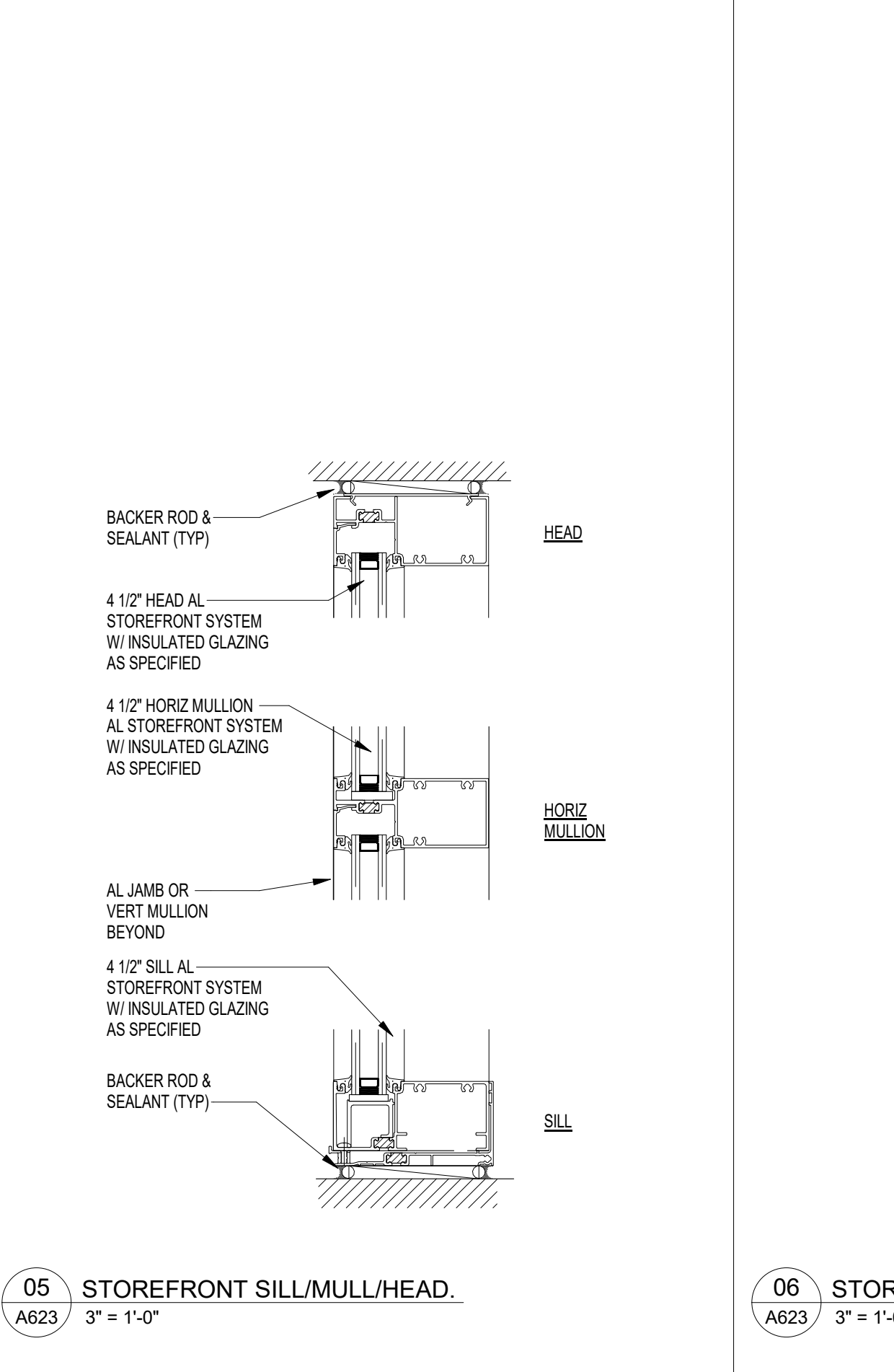
07 STOREFRONT JAMB DETAIL (6" GMS) (3 5/8" GMS SIM)
A623 3" = 1'-0"



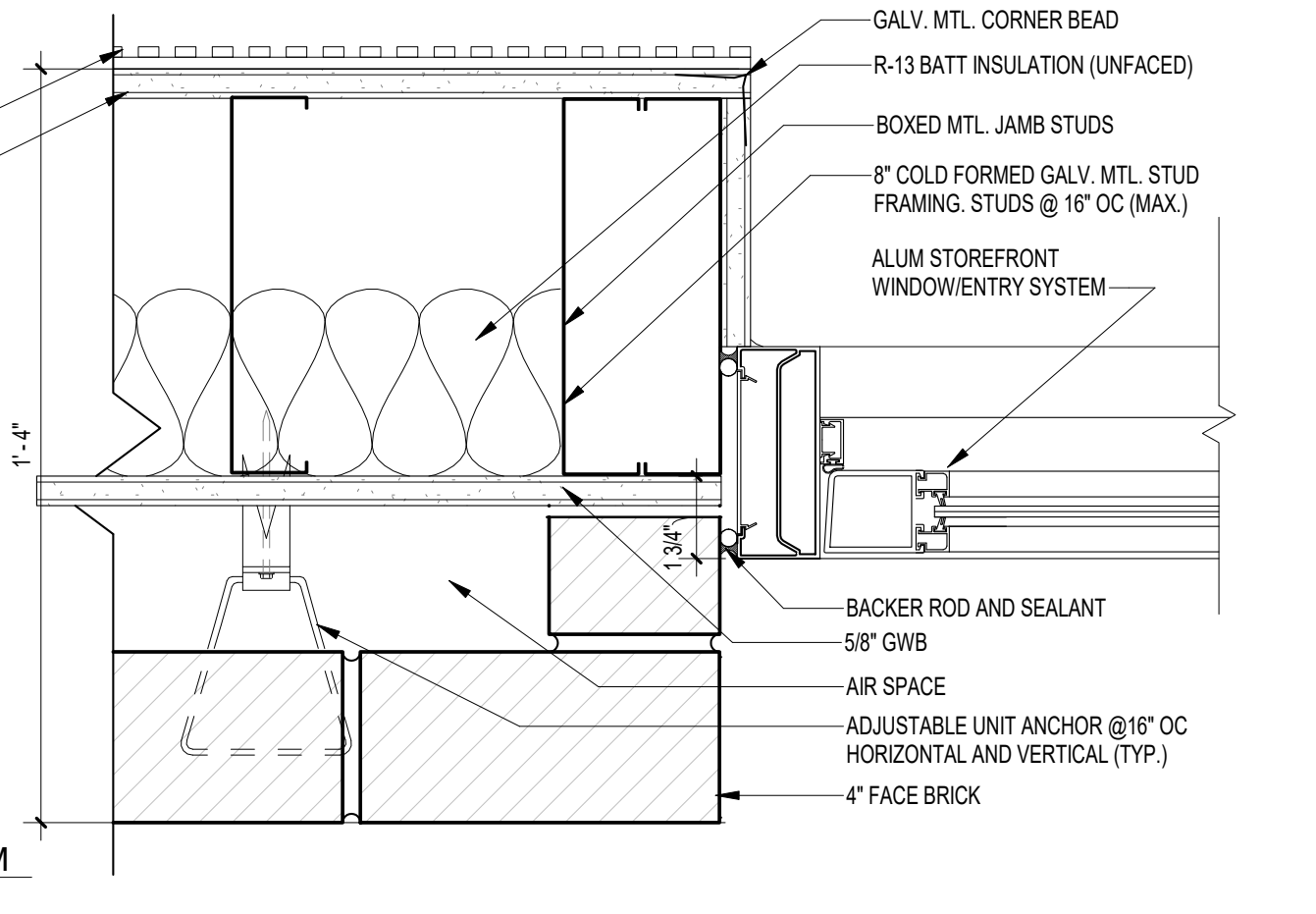
09 STOREFRONT JAMB DETAIL AT CORNER
A623 3" = 1'-0"



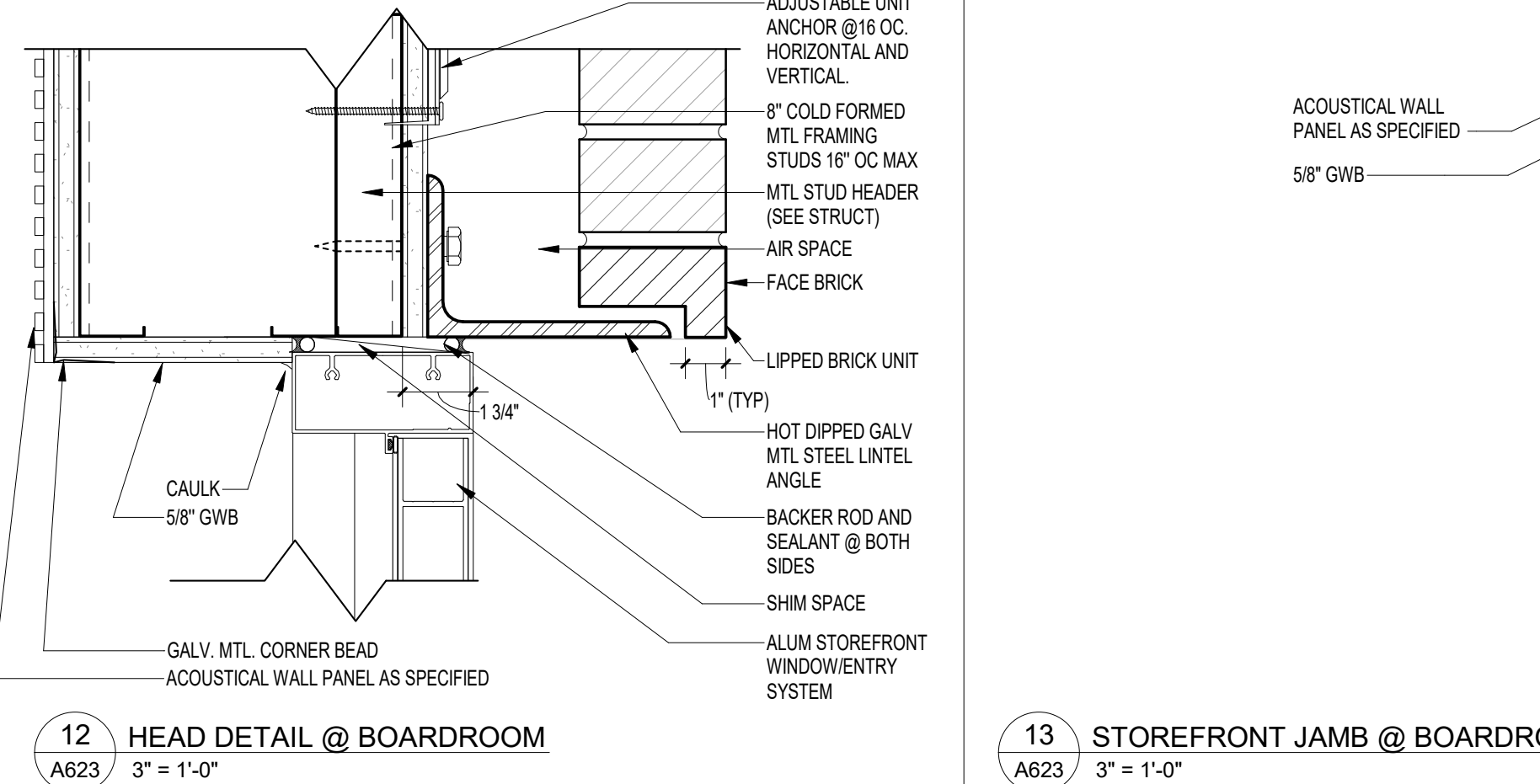
06 STOREFRONT DOOR RAIL/JAMB/HEAD.
A623 3" = 1'-0"



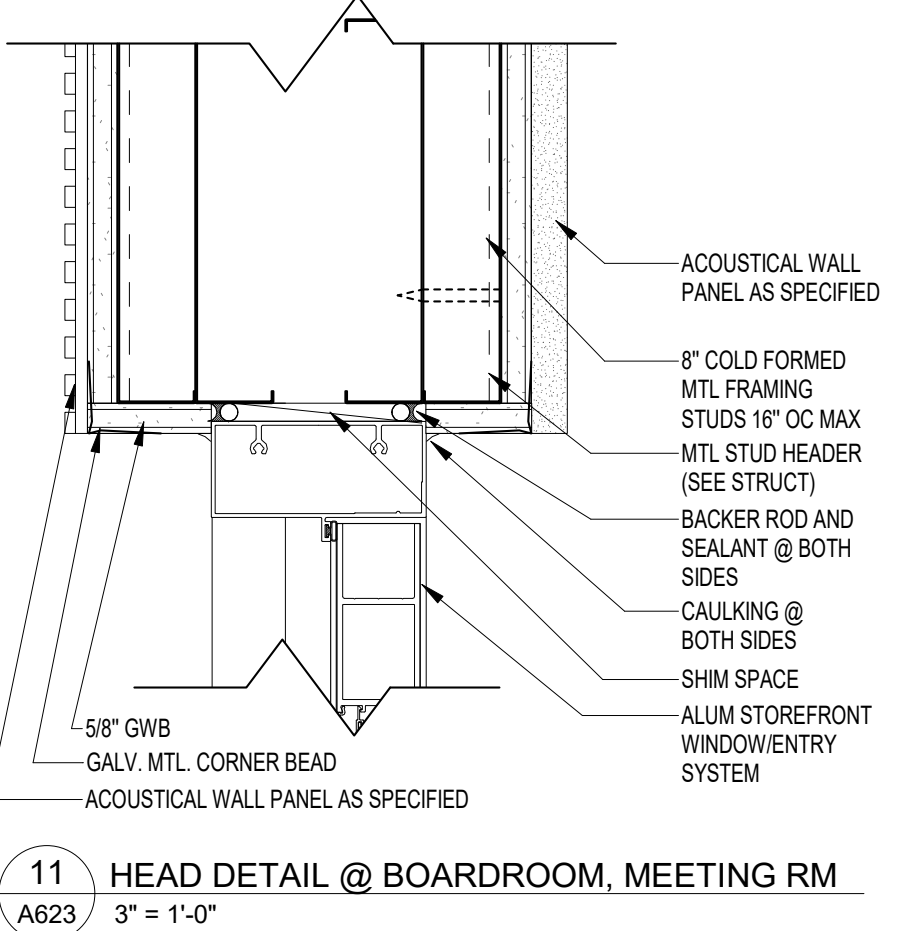
05 STOREFRONT SILL/MULL/HEAD.
A623 3" = 1'-0"



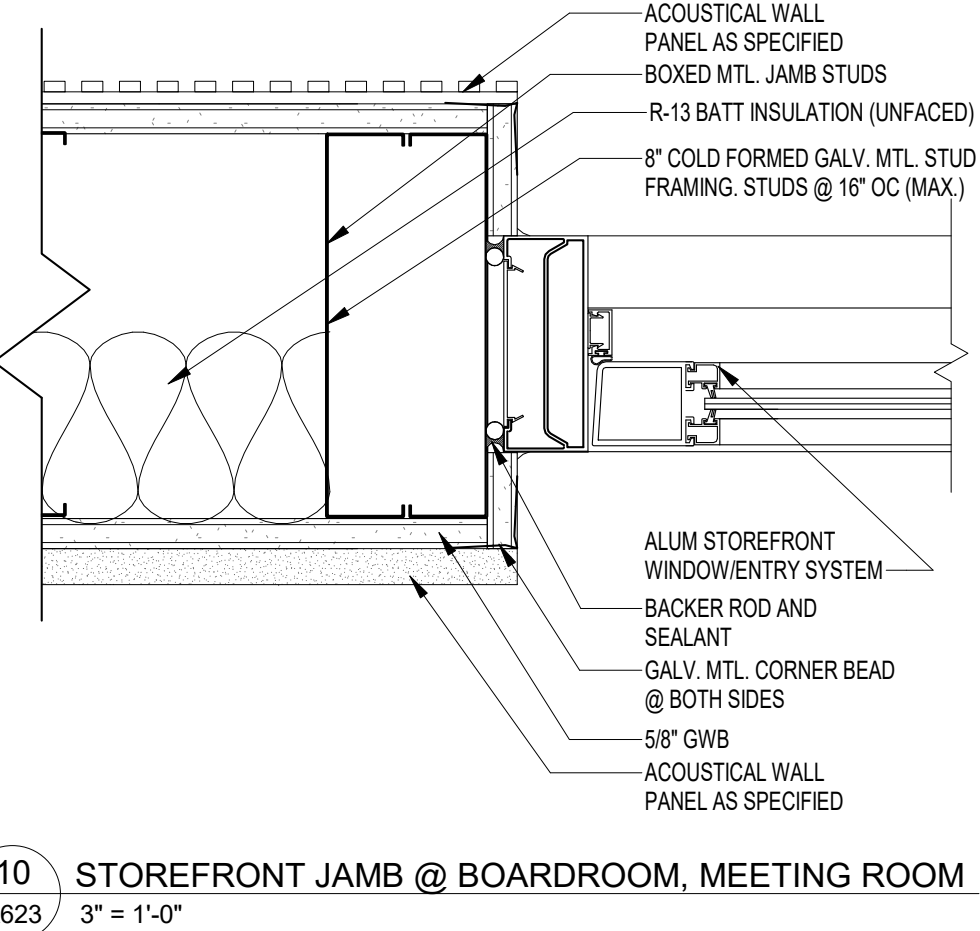
13 STOREFRONT JAMB @ BOARDROOM
A623 3" = 1'-0"



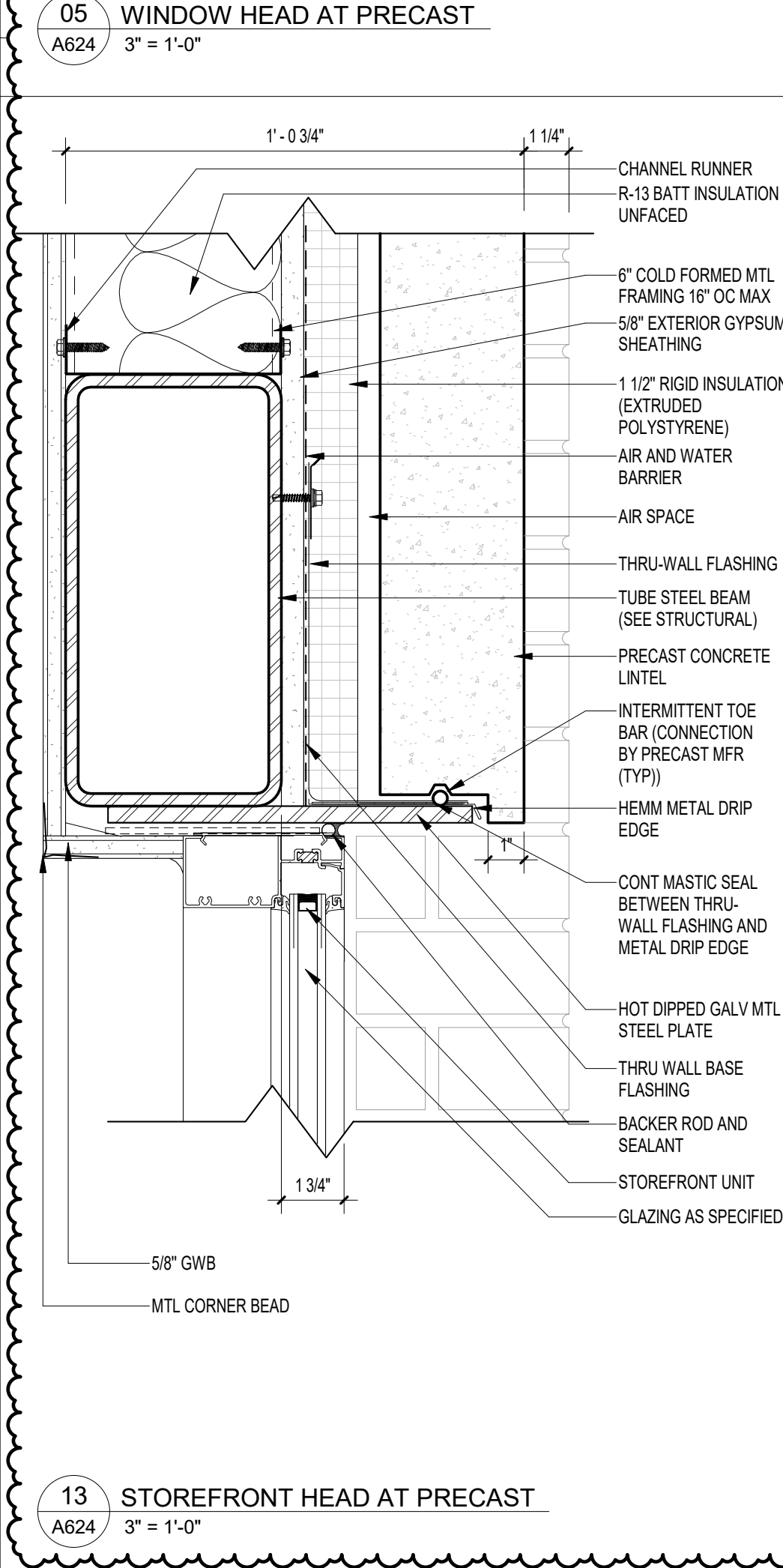
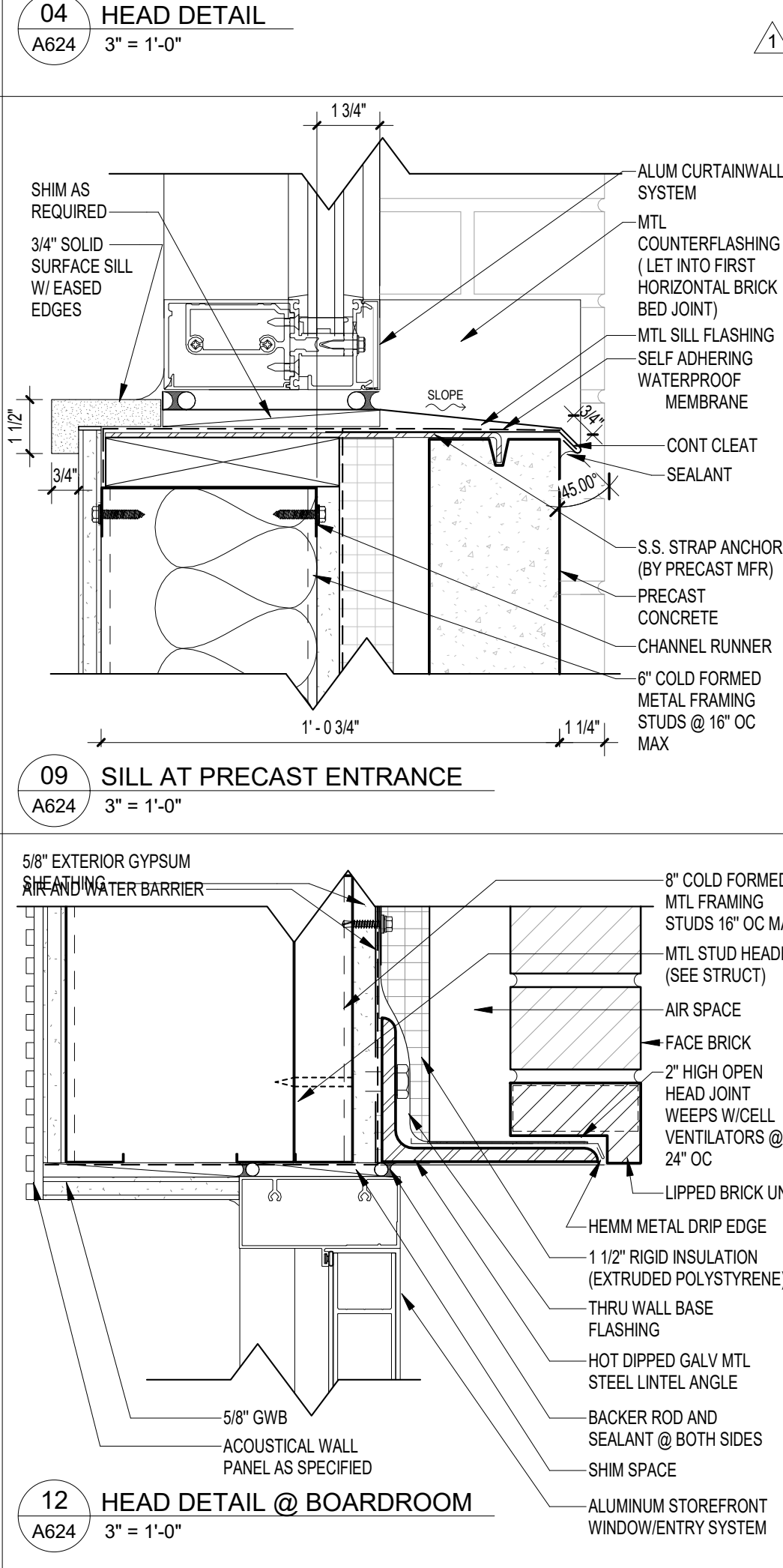
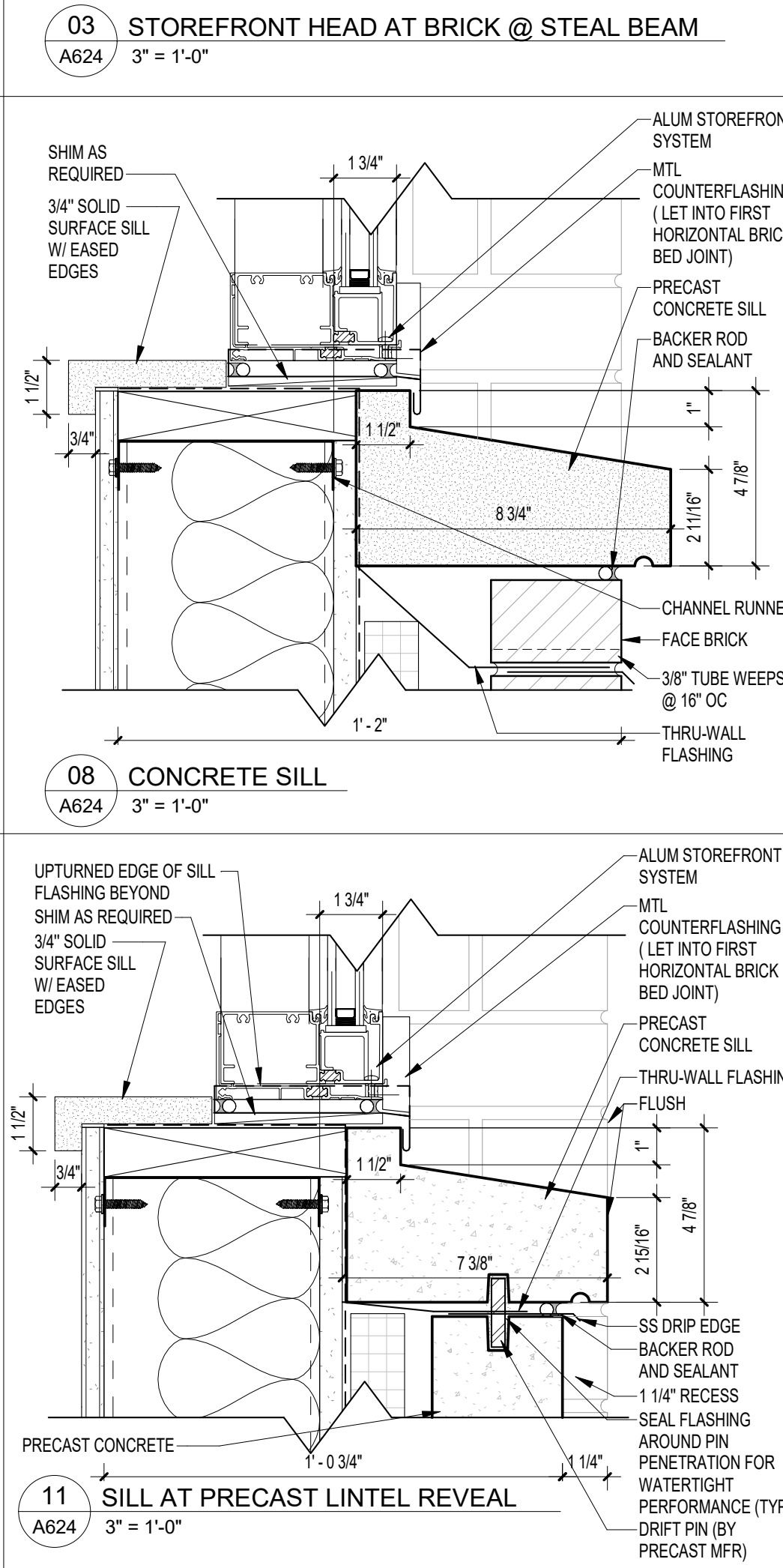
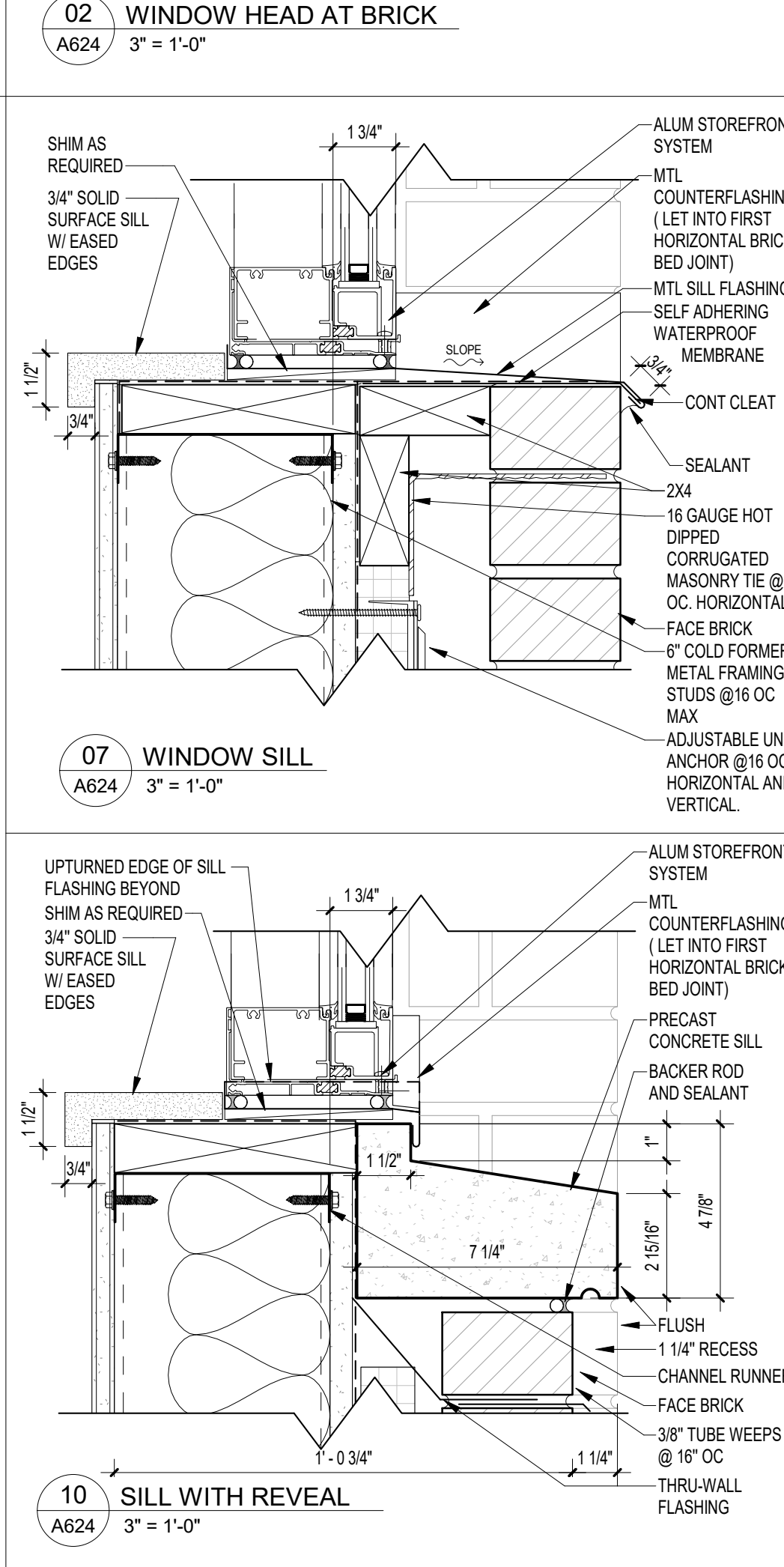
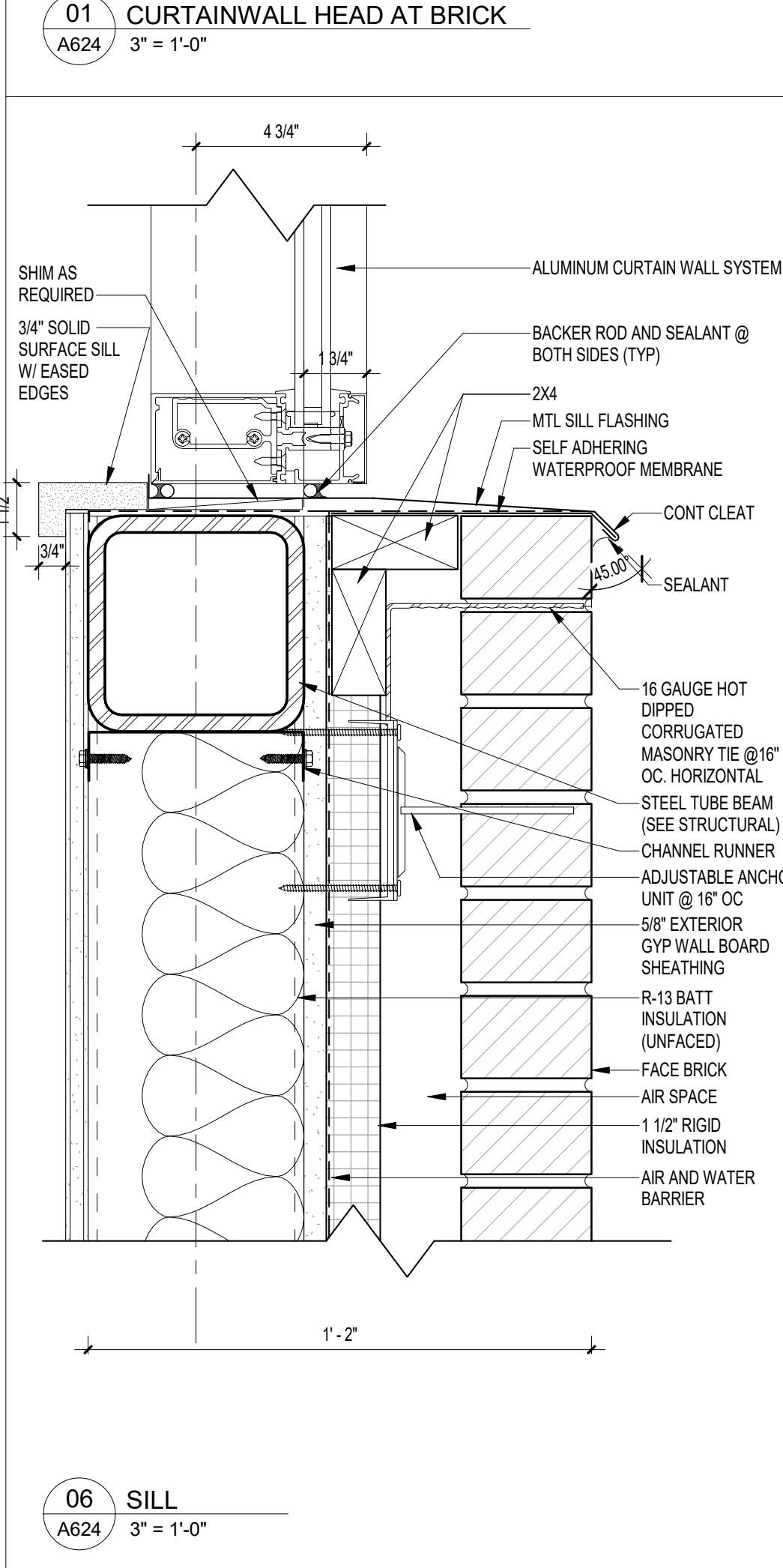
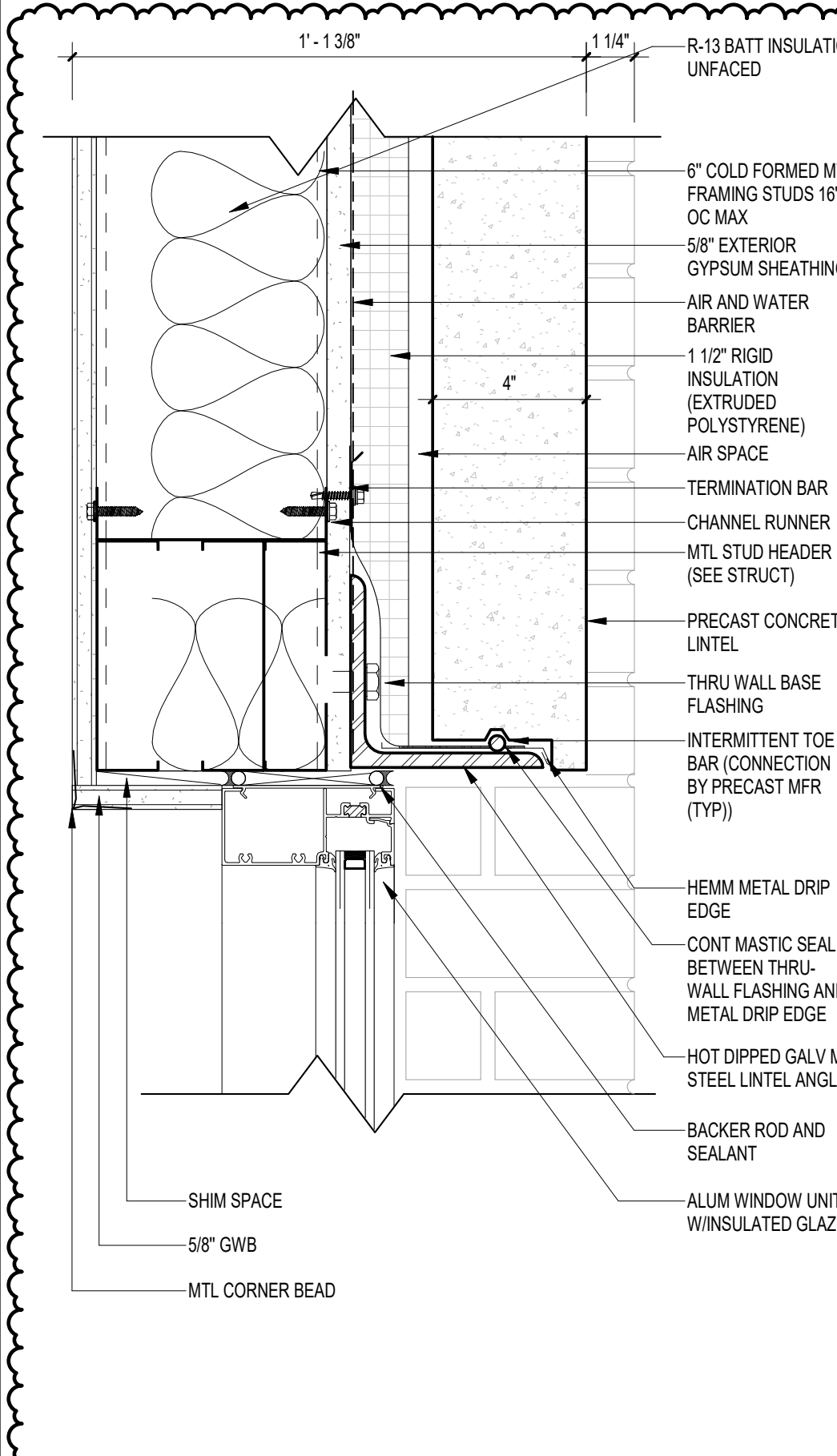
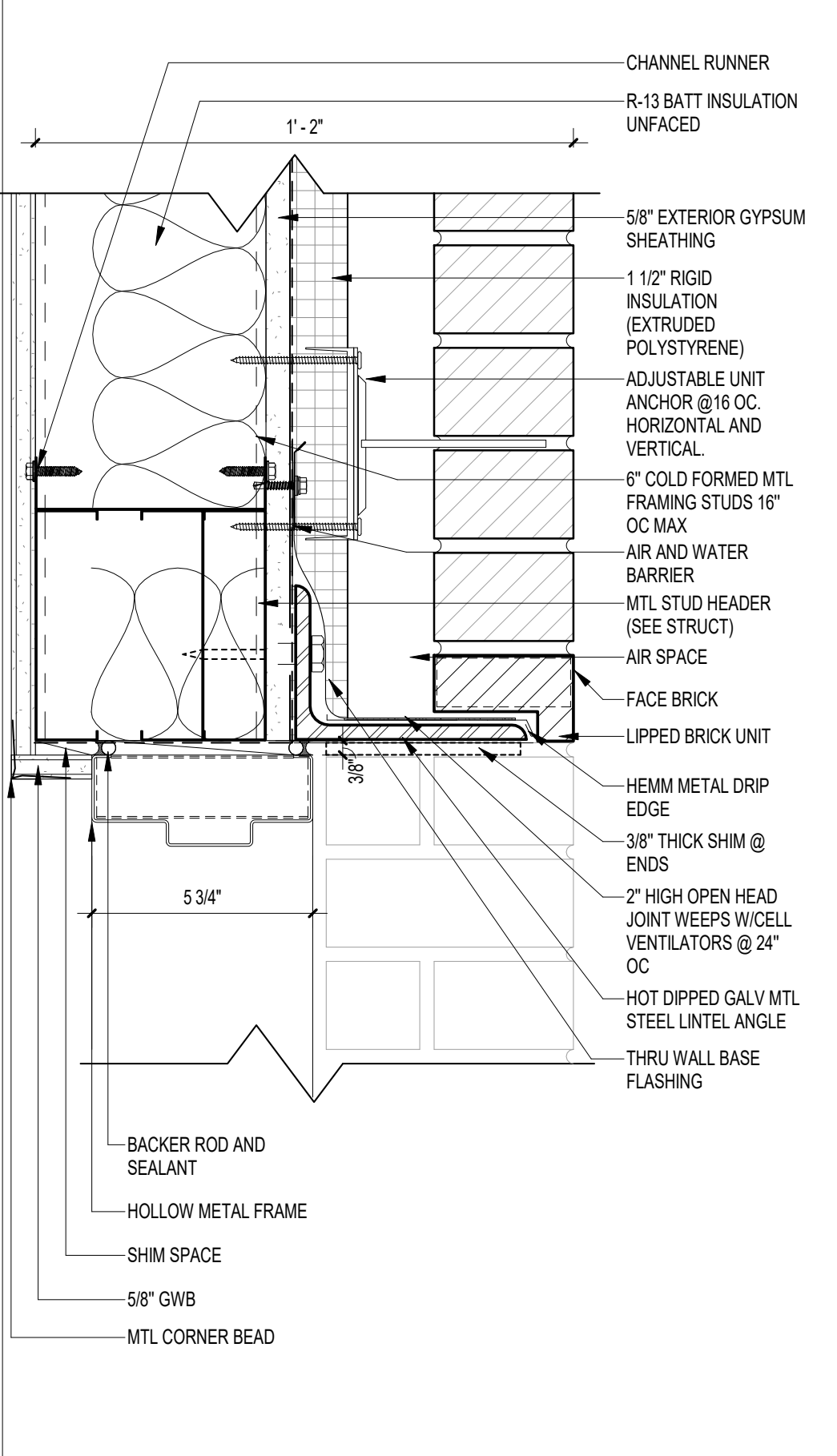
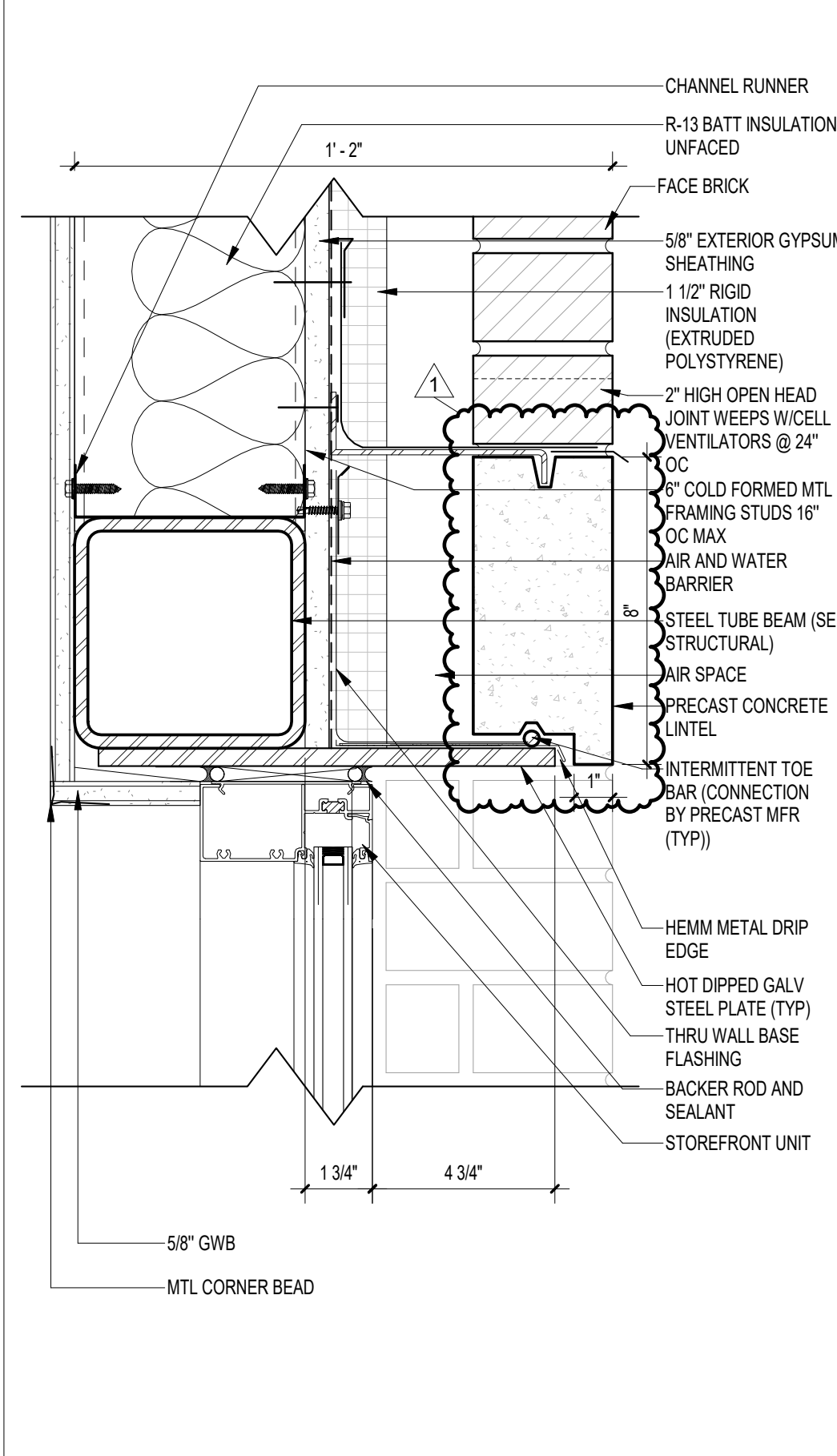
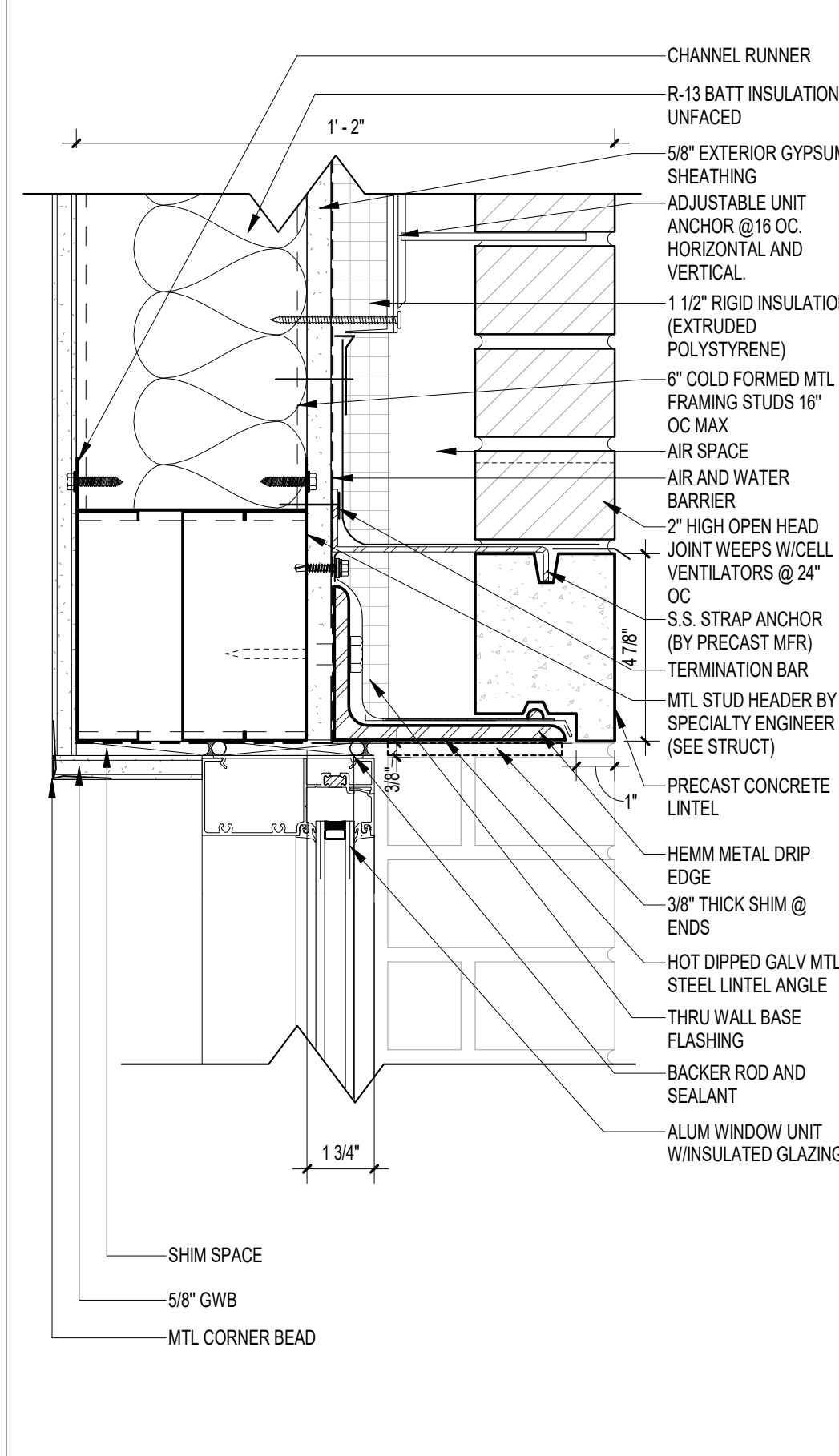
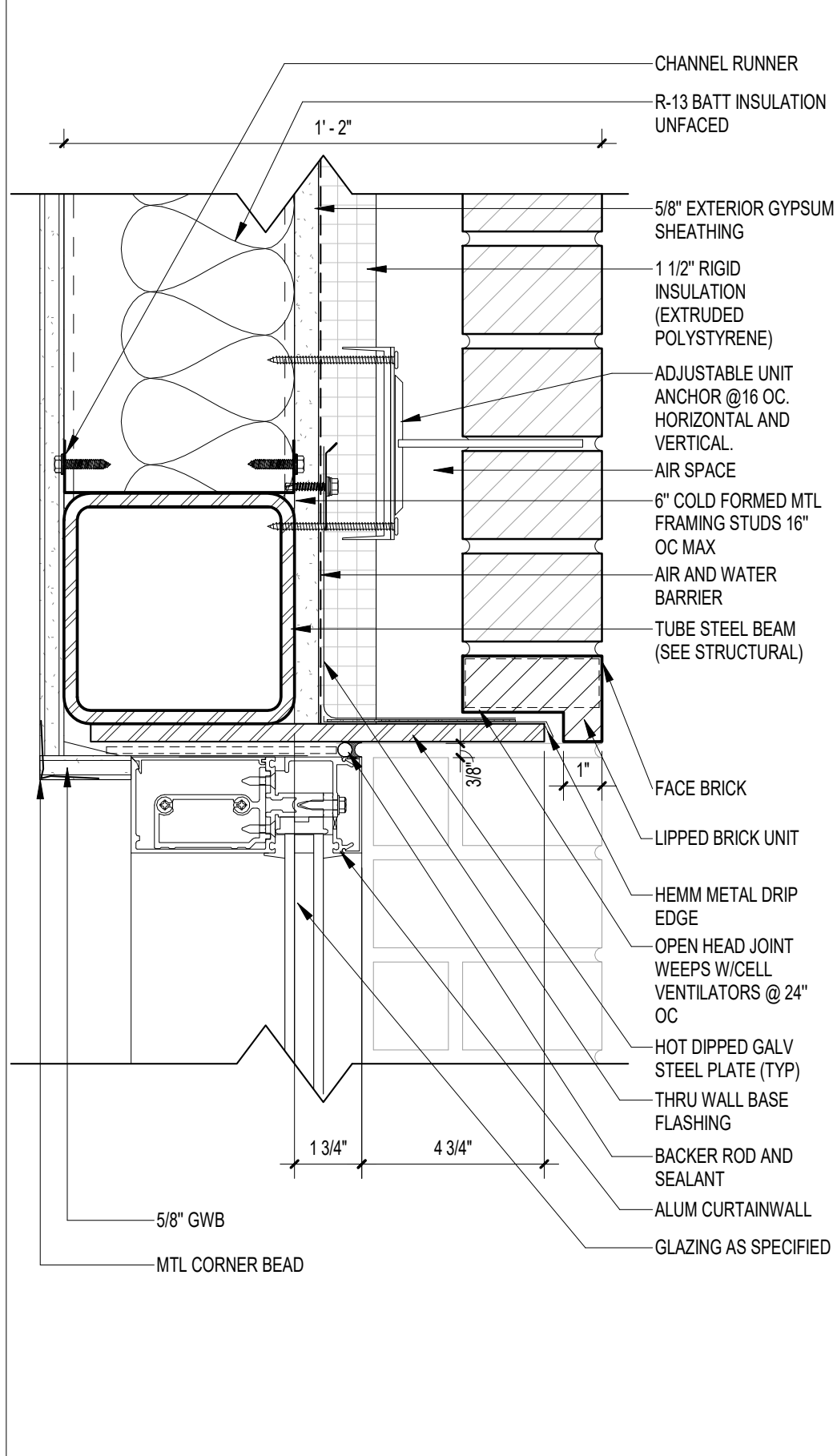
12 HEAD DETAIL @ BOARDROOM
A623 3" = 1'-0"



11 HEAD DETAIL @ BOARDROOM, MEETING RM
A623 3" = 1'-0"



10 STOREFRONT JAMB @ BOARDROOM, MEETING ROOM
A623 3" = 1'-0"



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68100	BI

SHEET TITLE	SHEET NO	REV NO
DOOR AND WINDOW DETAILS	A624	1

NOTE:
11' x 17' SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS

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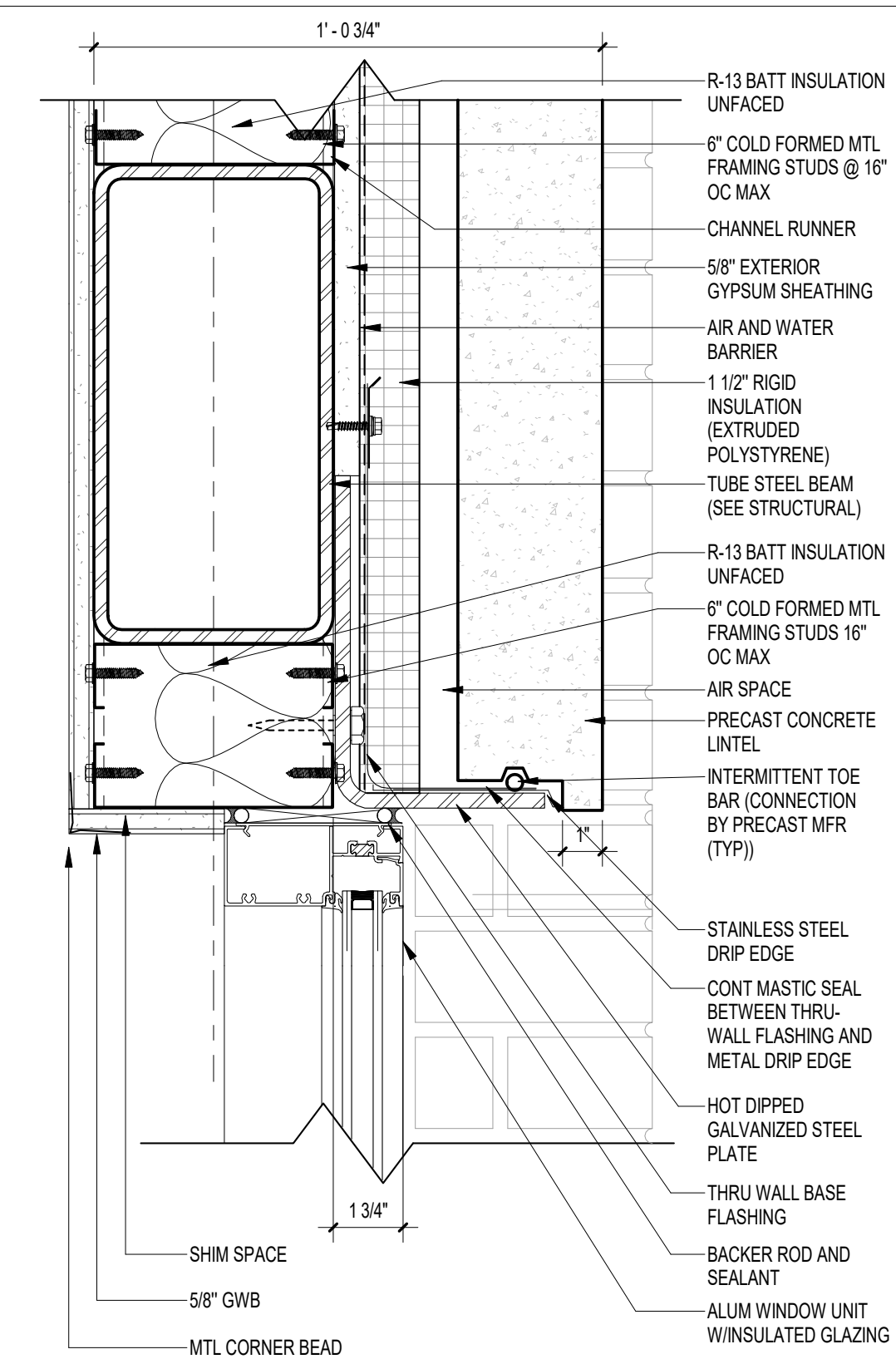
REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
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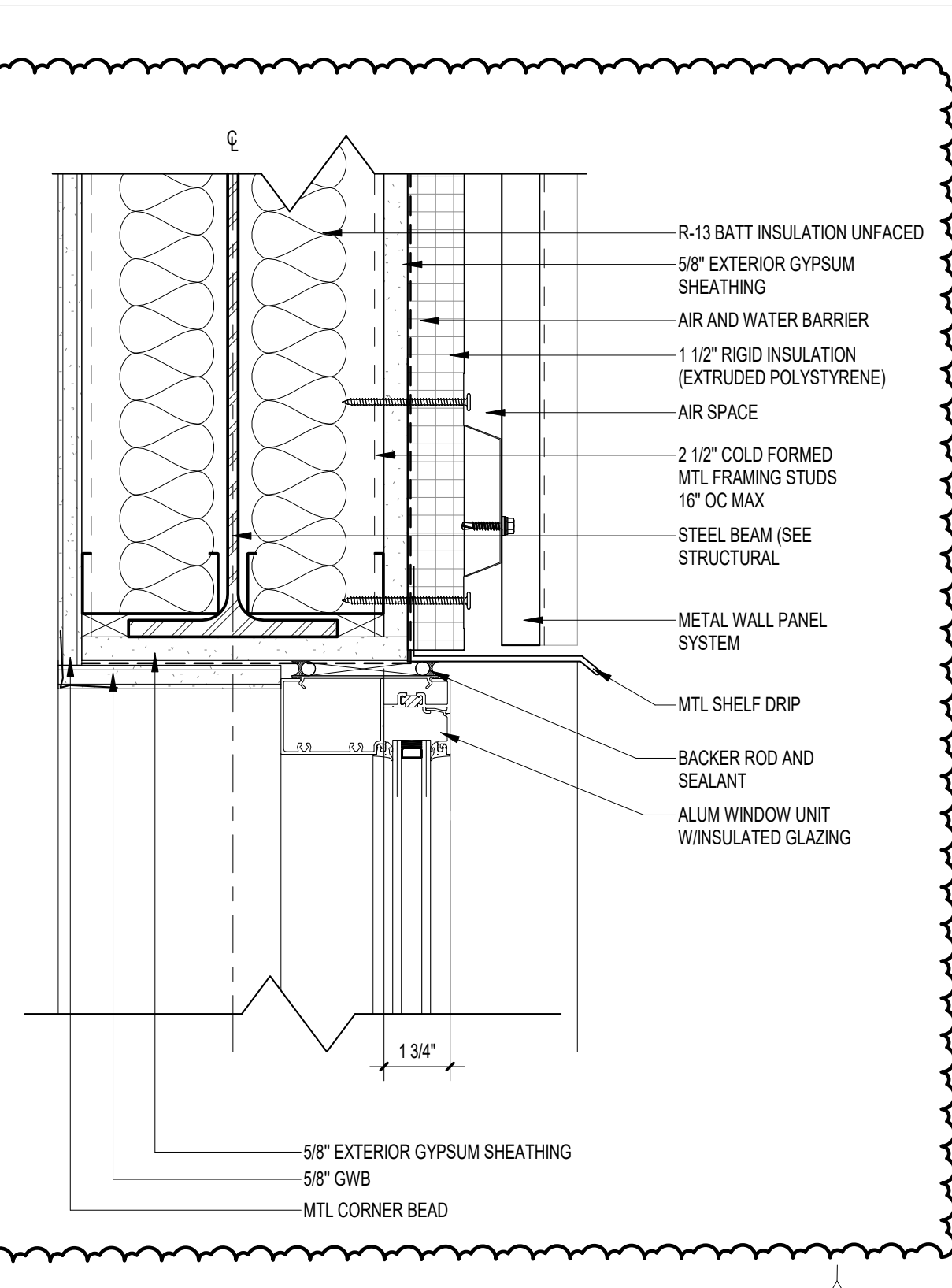
DATE	DRAWN BY
15 JANUARY 2025	LP
PROJECT NO	CHECKED BY
68100	BI

SHEET TITLE
**DOOR AND WINDOW
DETAILS**

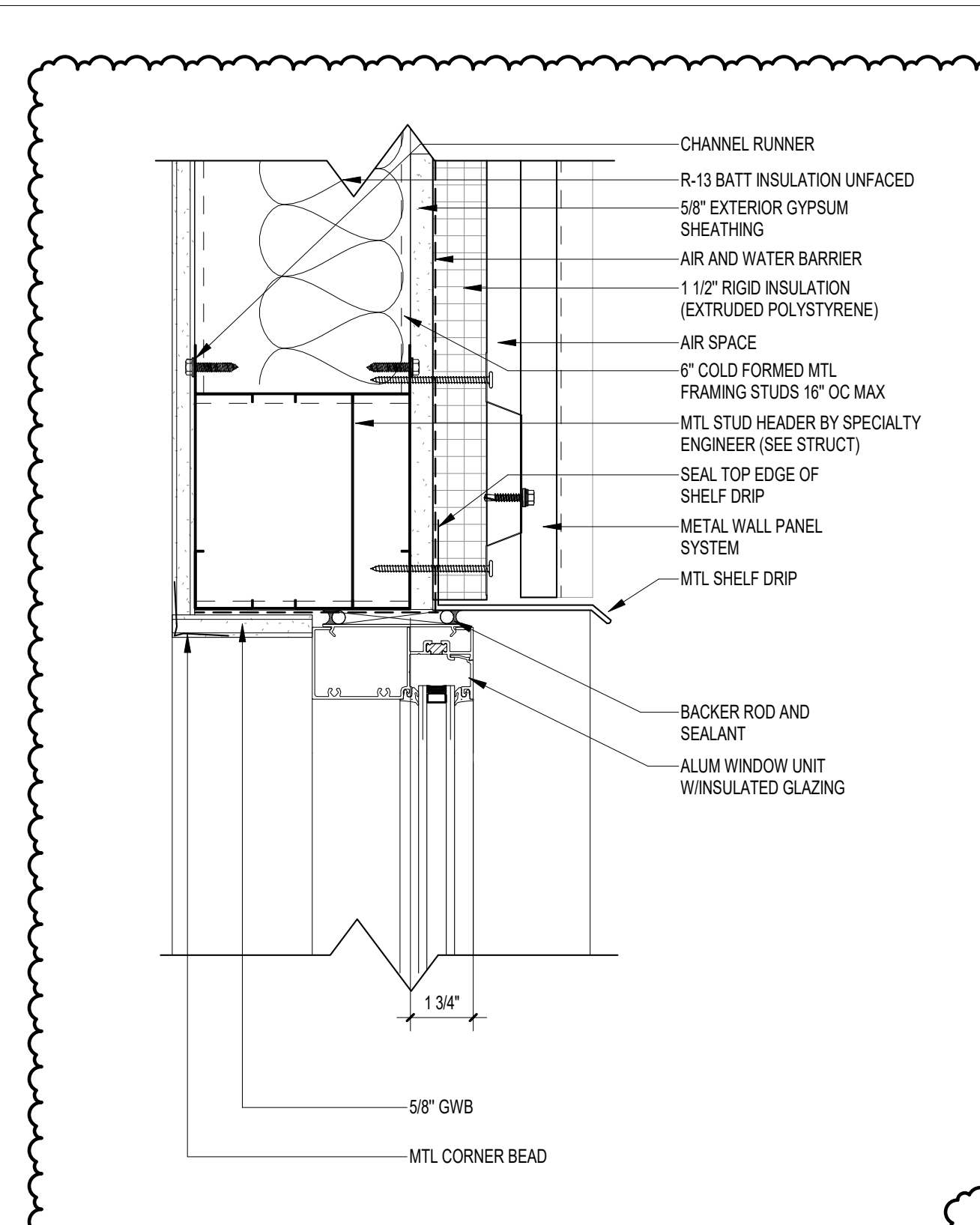
SHEET NO	REV NO
A625	1



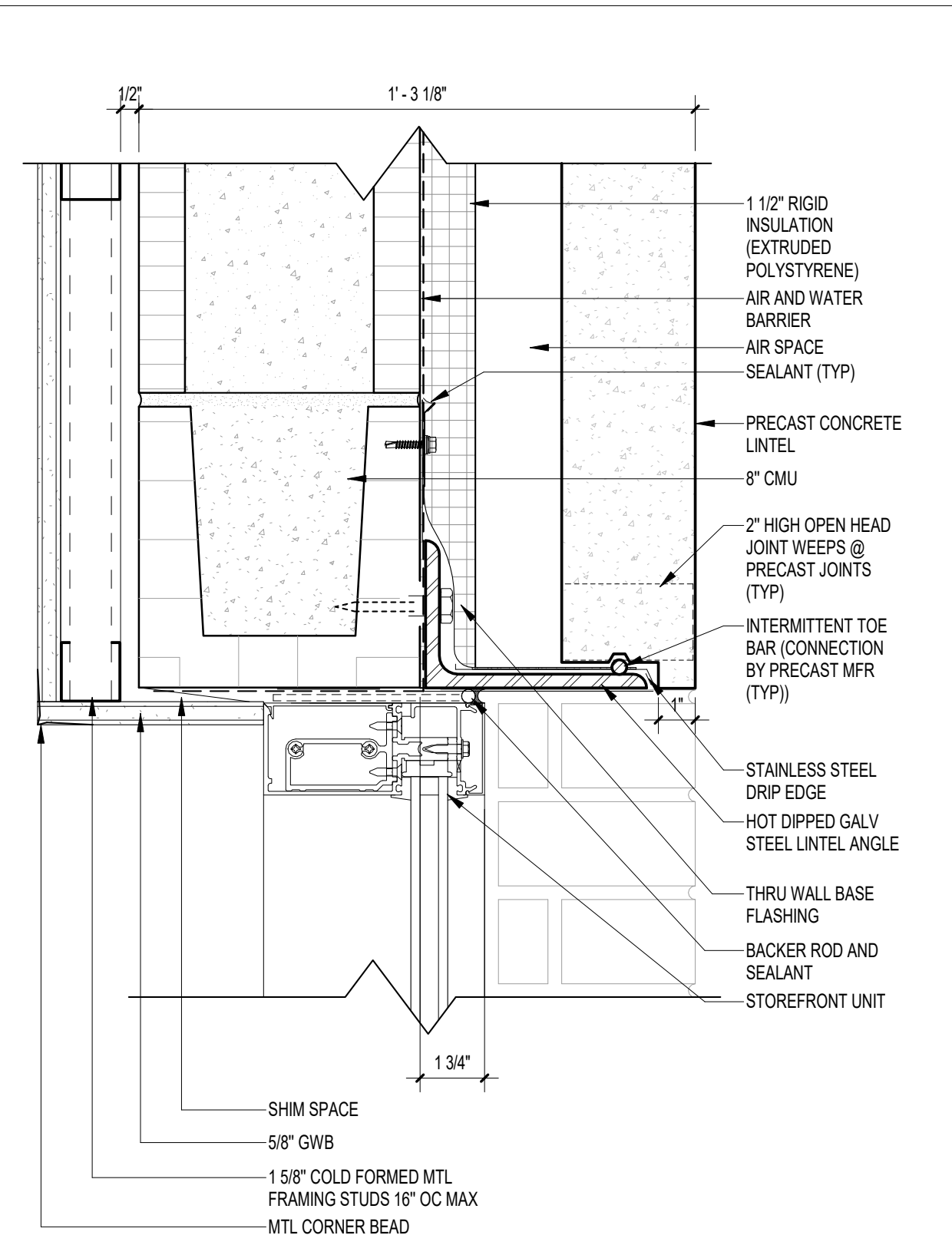
04 WINDOW HEAD @ STEEL BEAM 2
A625 3" = 1'-0"



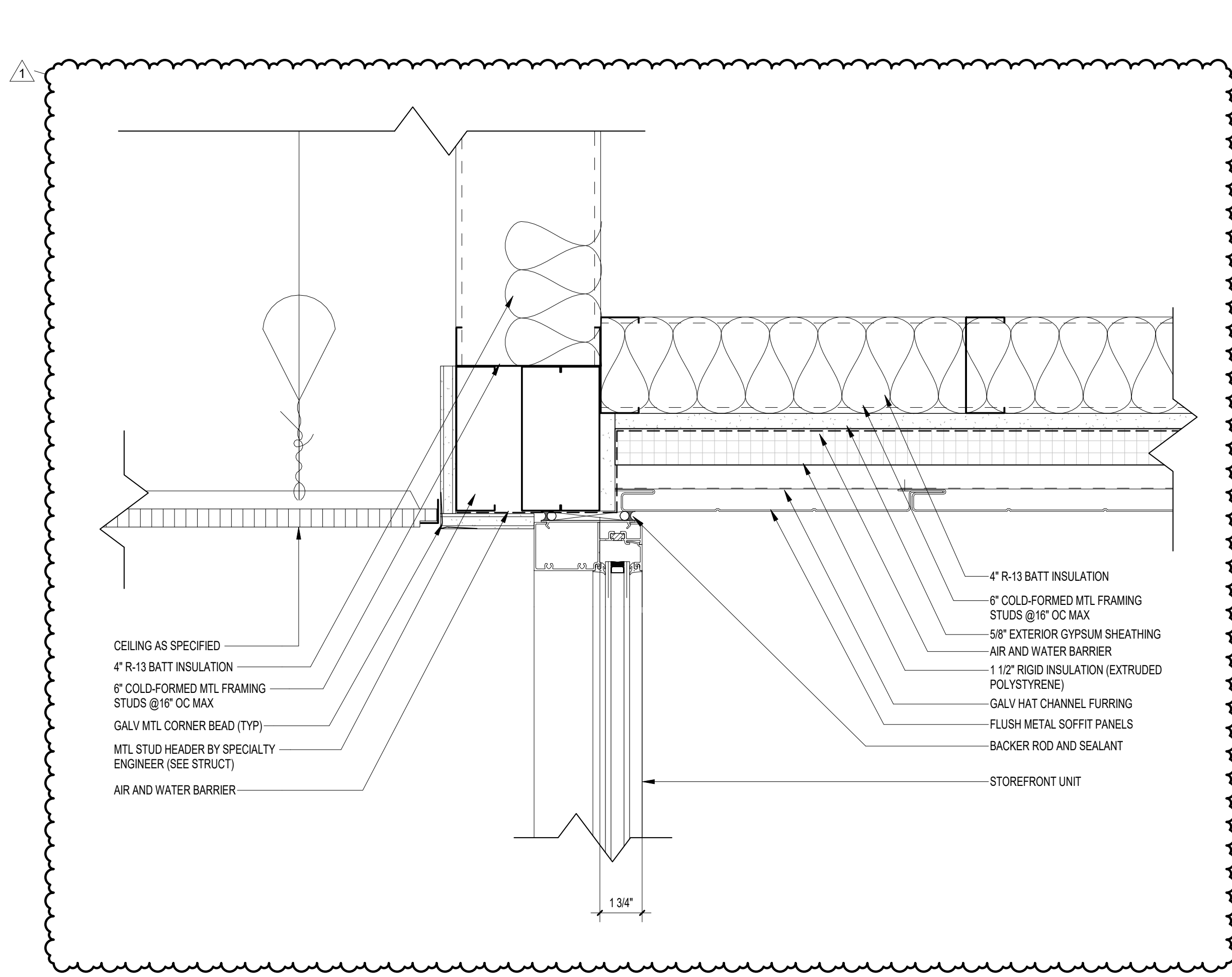
03 STOREFRONT HEAD AT MWP @ BEAM
A625 3" = 1'-0"



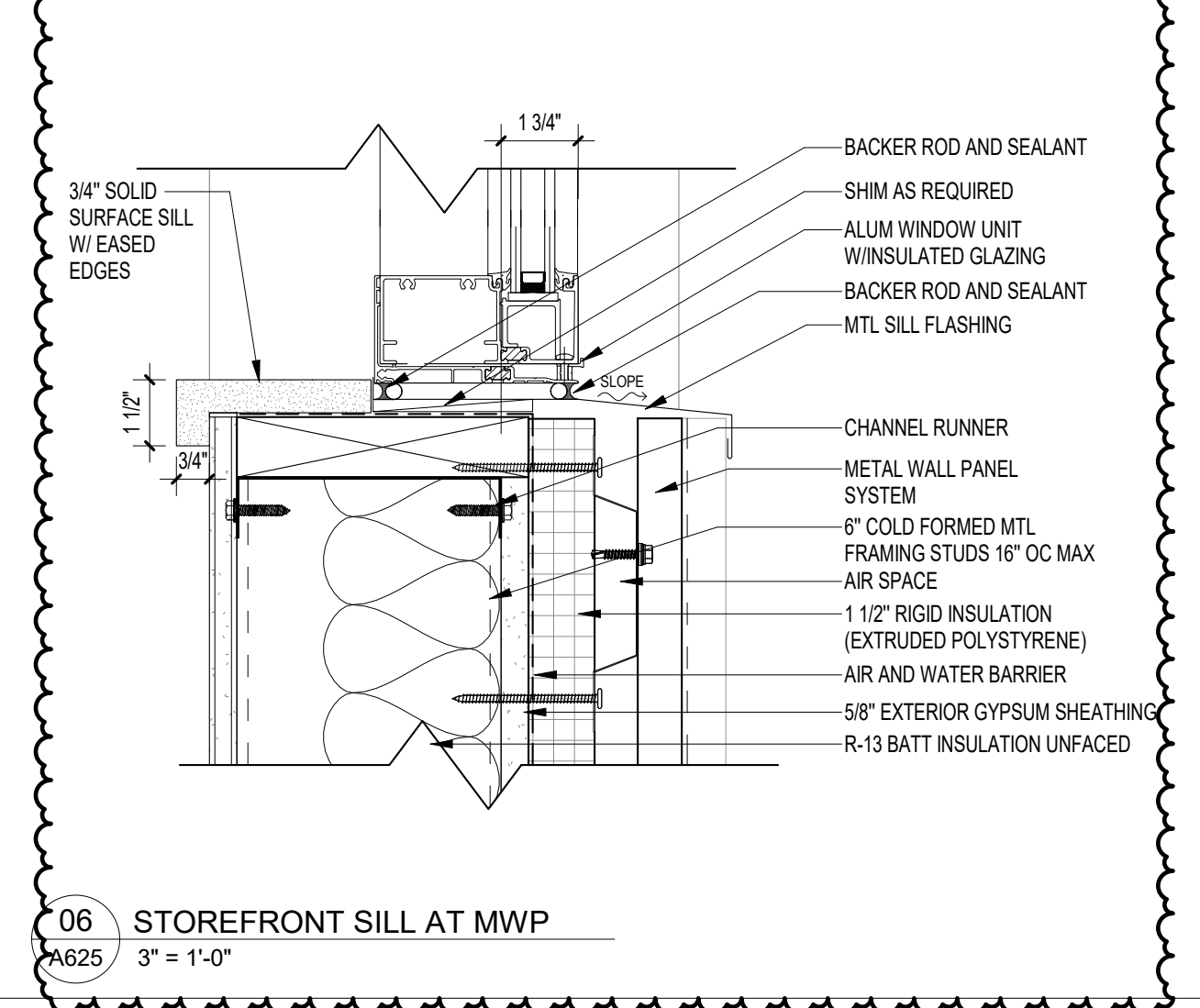
02 STOREFRONT HEAD AT MWP
A625 3" = 1'-0"



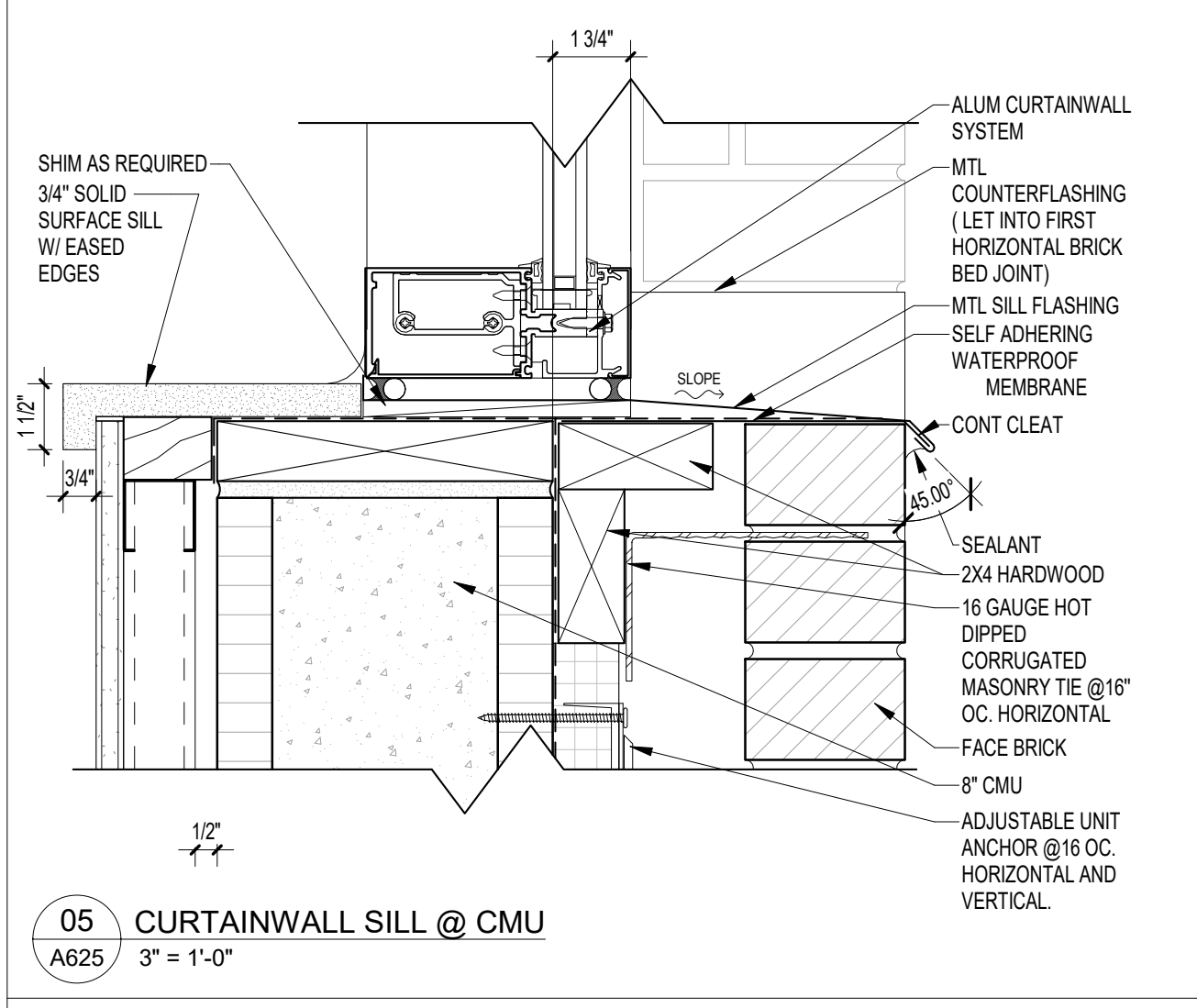
01 CURTAINWALL HEAD AT CMU
A625 3" = 1'-0"



07 STOREFRONT
A625 3" = 1'-0"



06 STOREFRONT SILL AT MWP
A625 3" = 1'-0"



05 CURTAINWALL SILL @ CMU
A625 3" = 1'-0"

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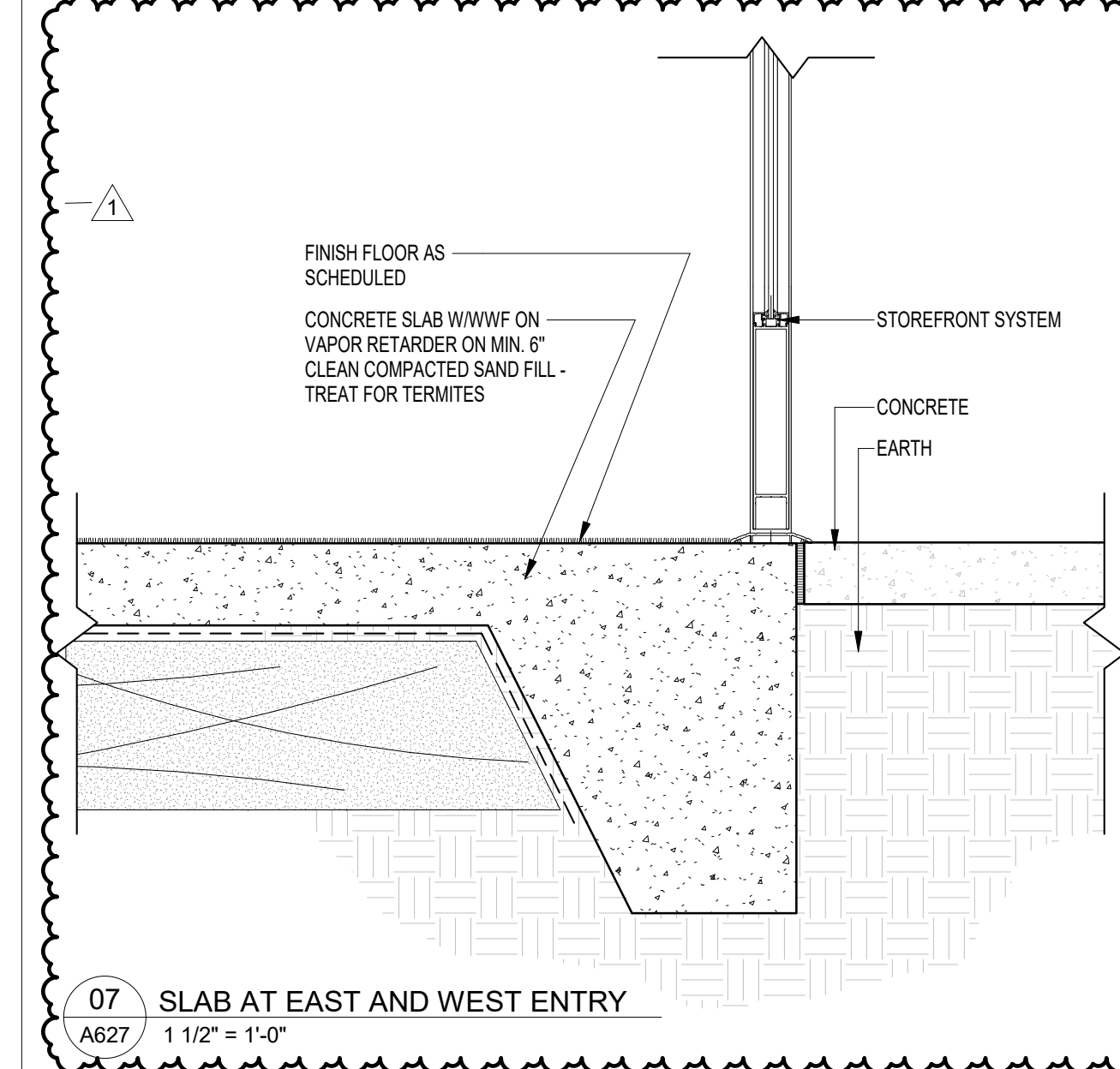
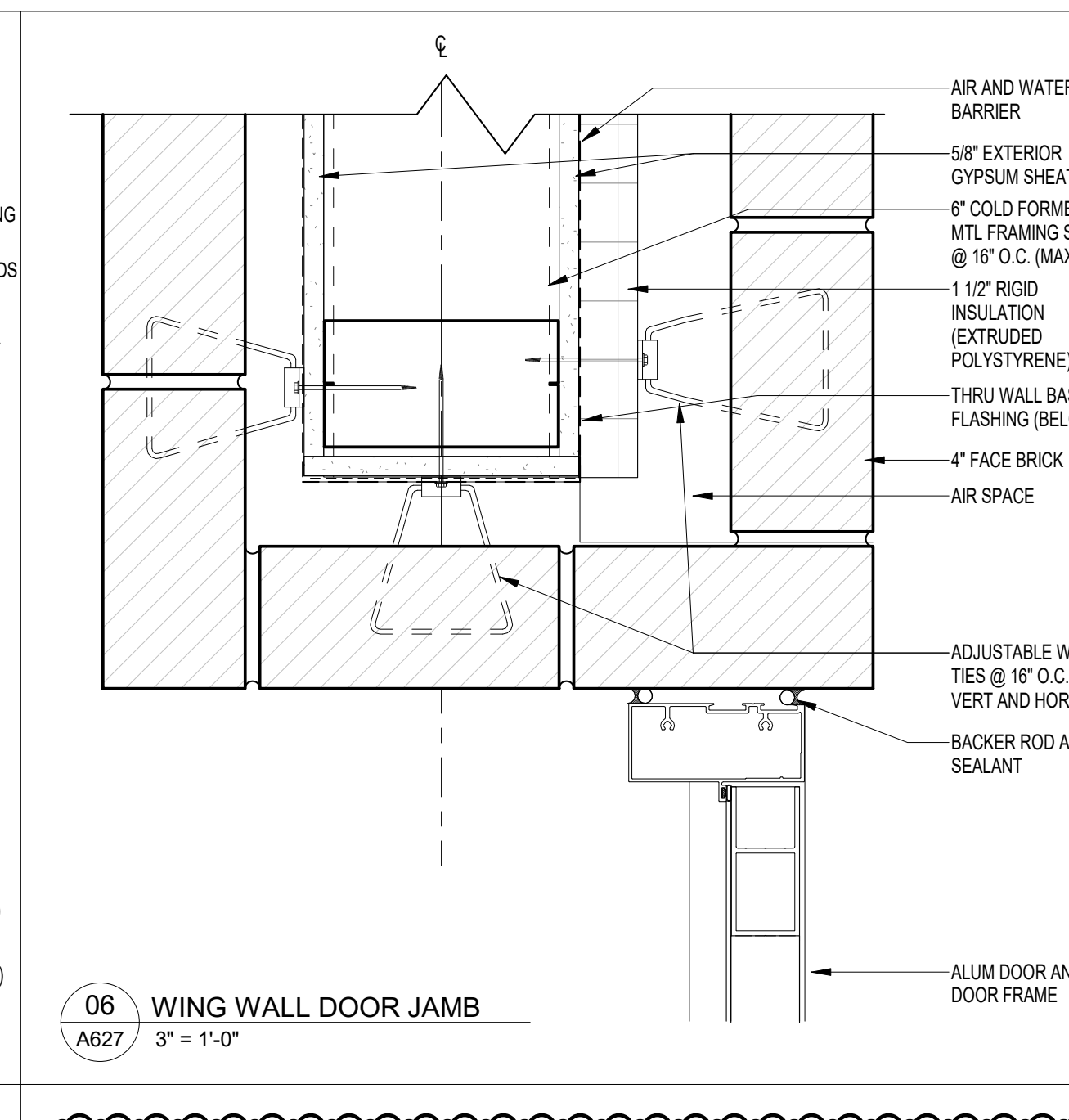
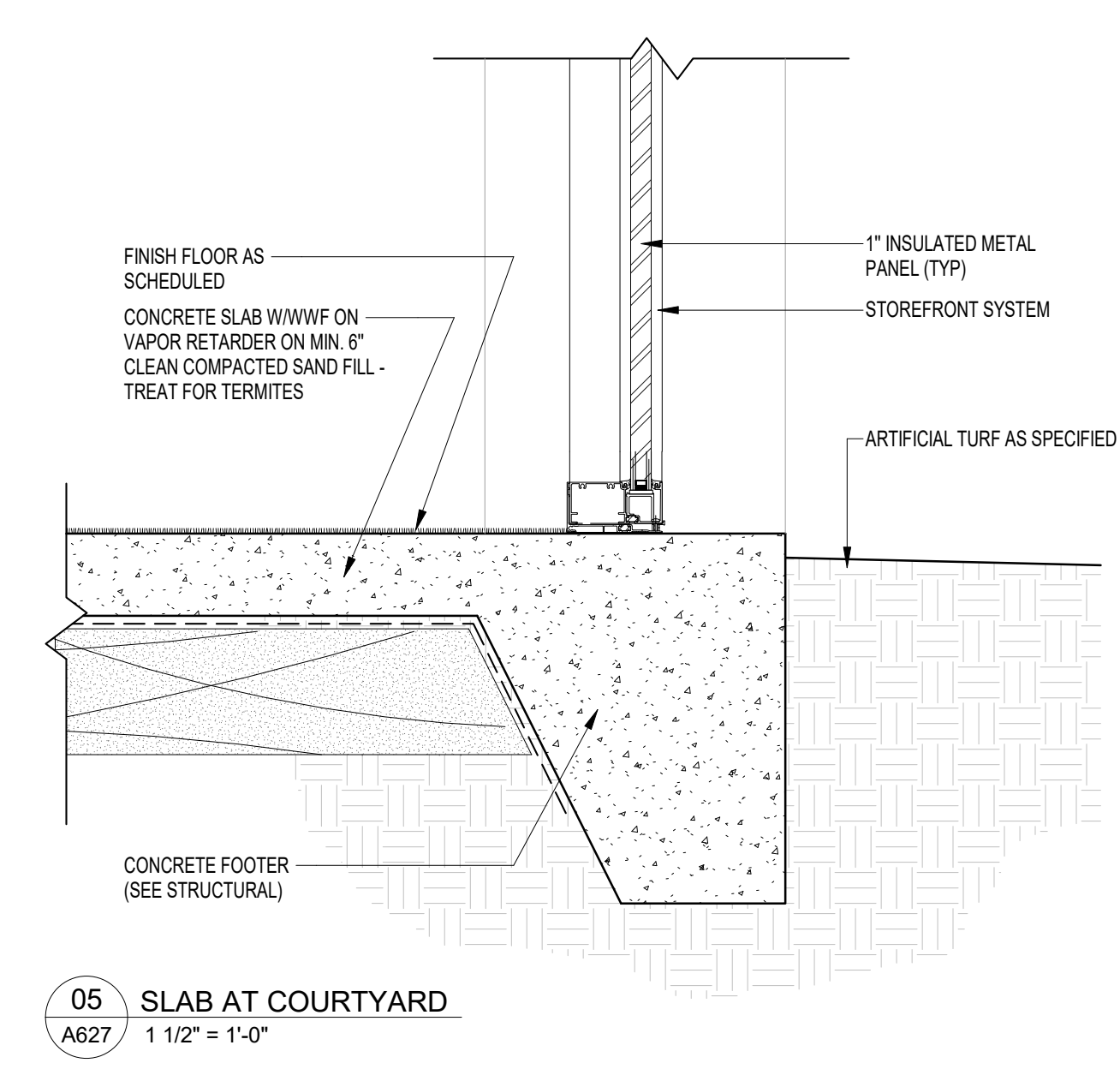
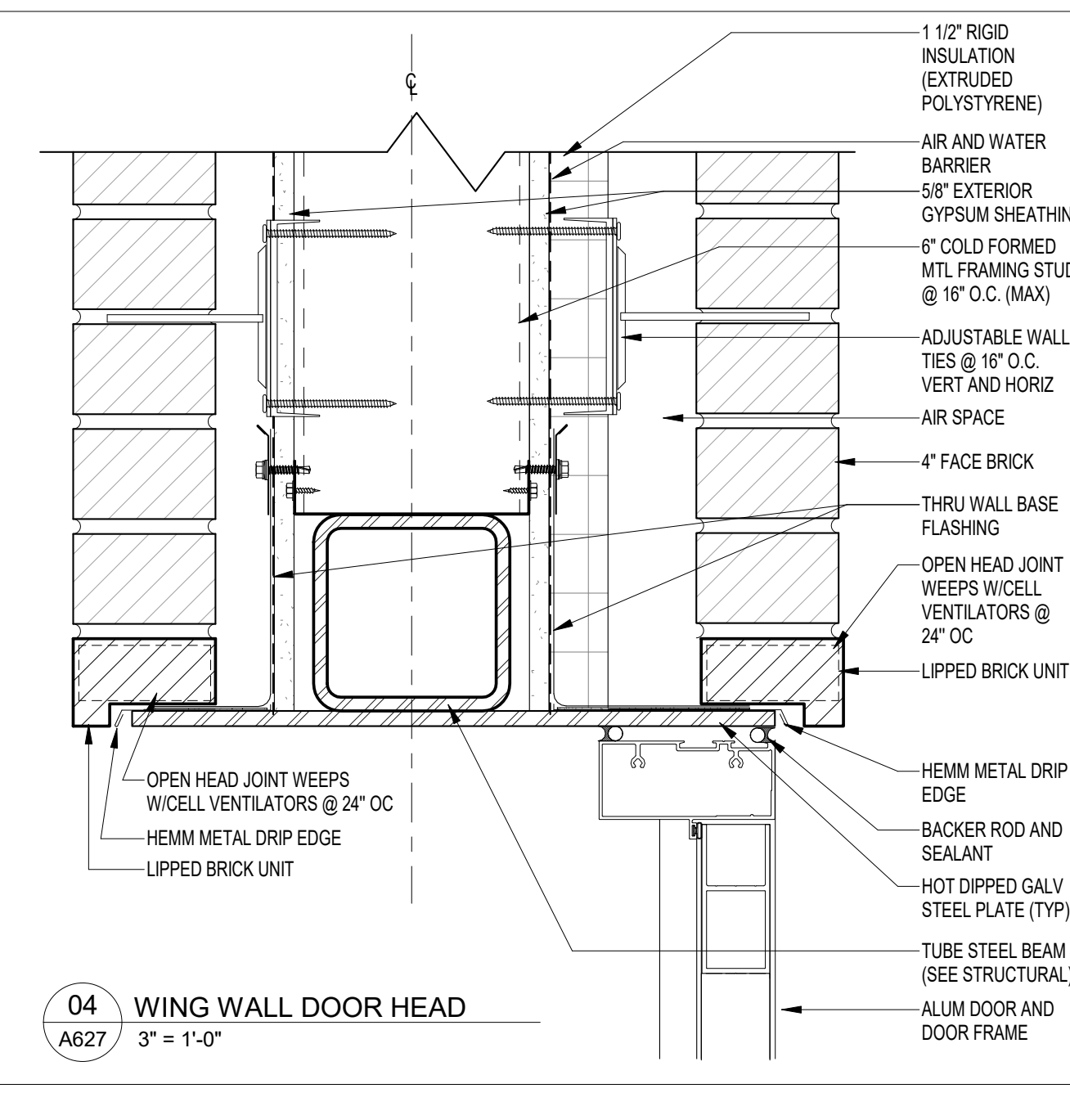
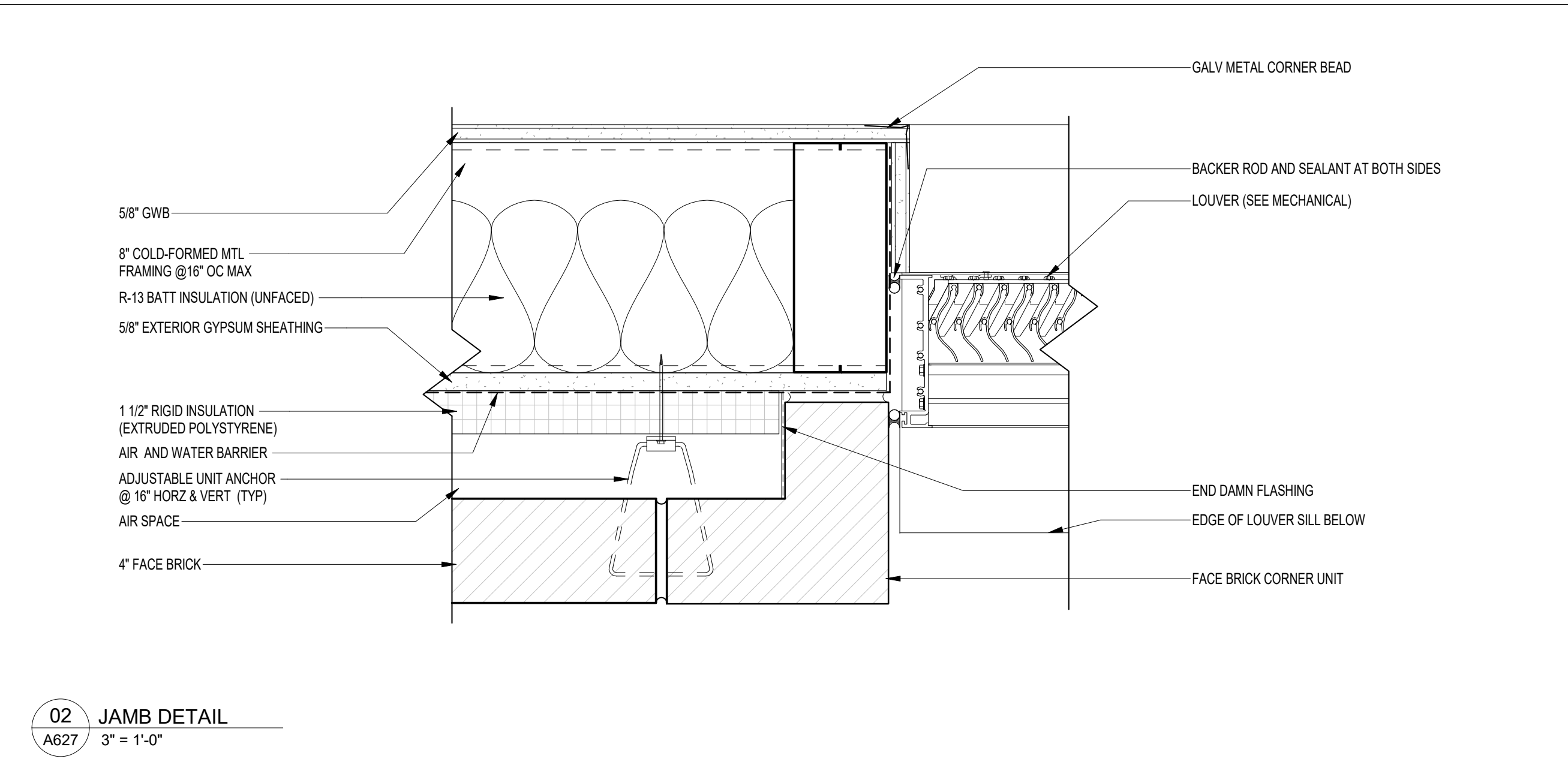
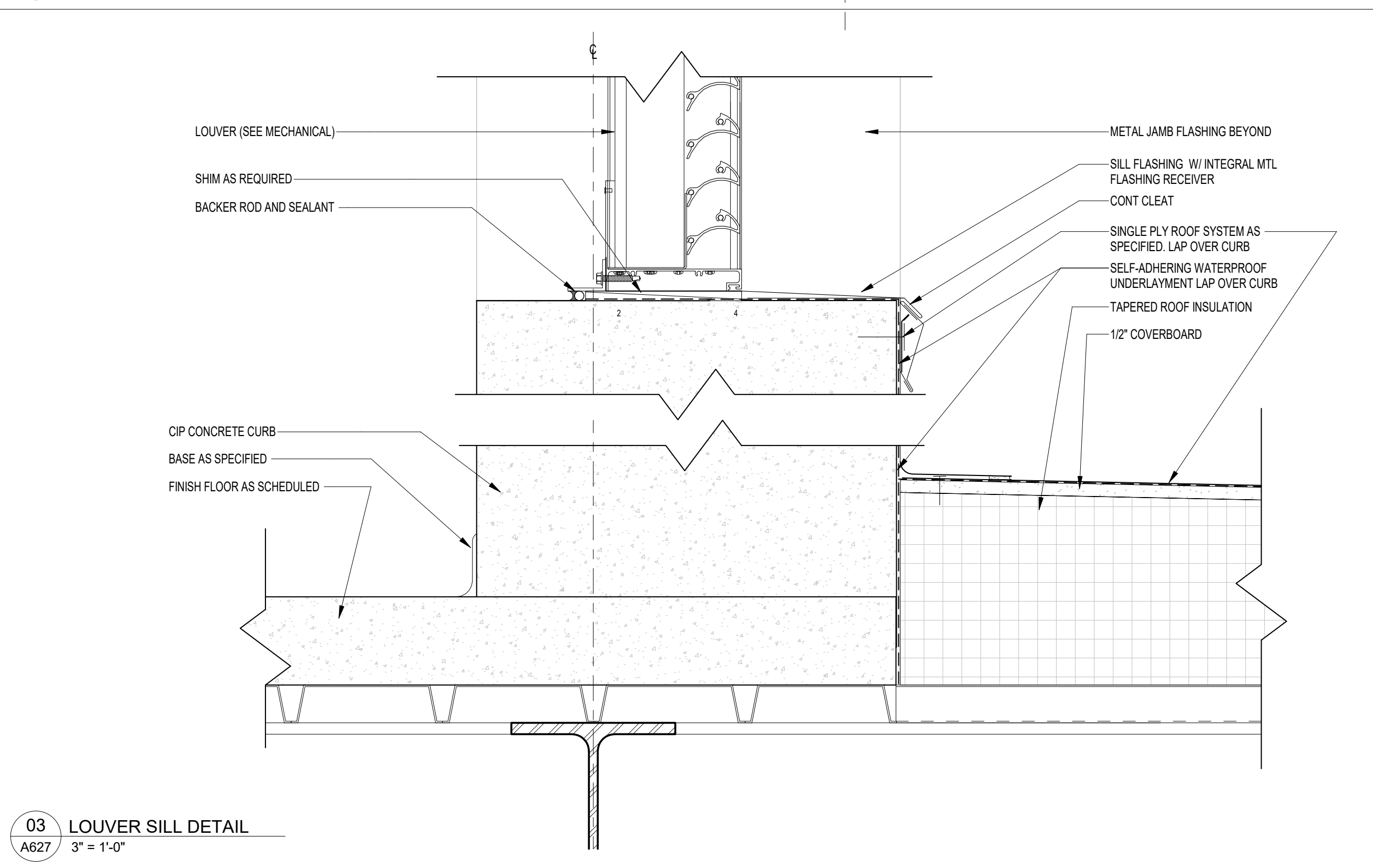
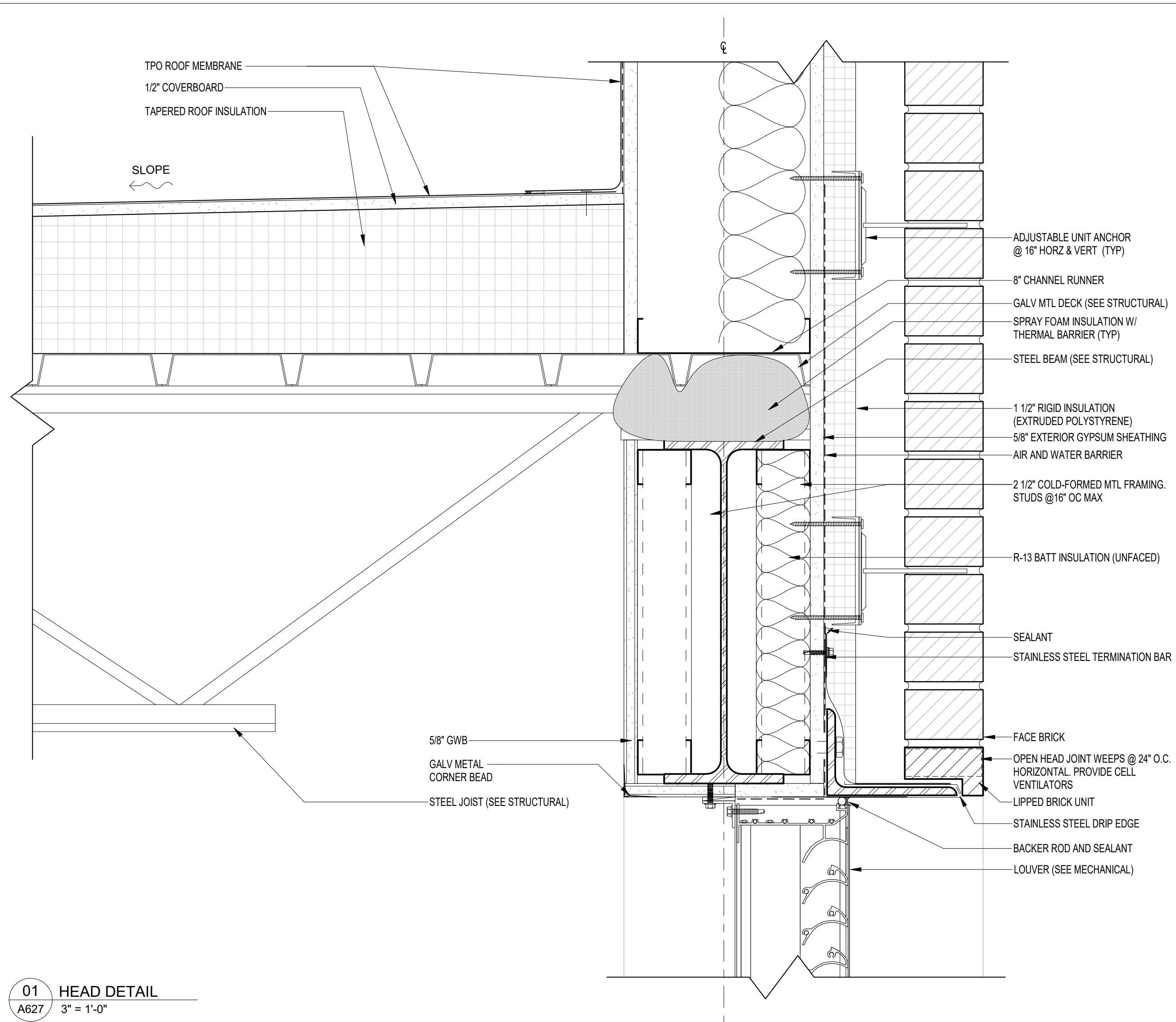
REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

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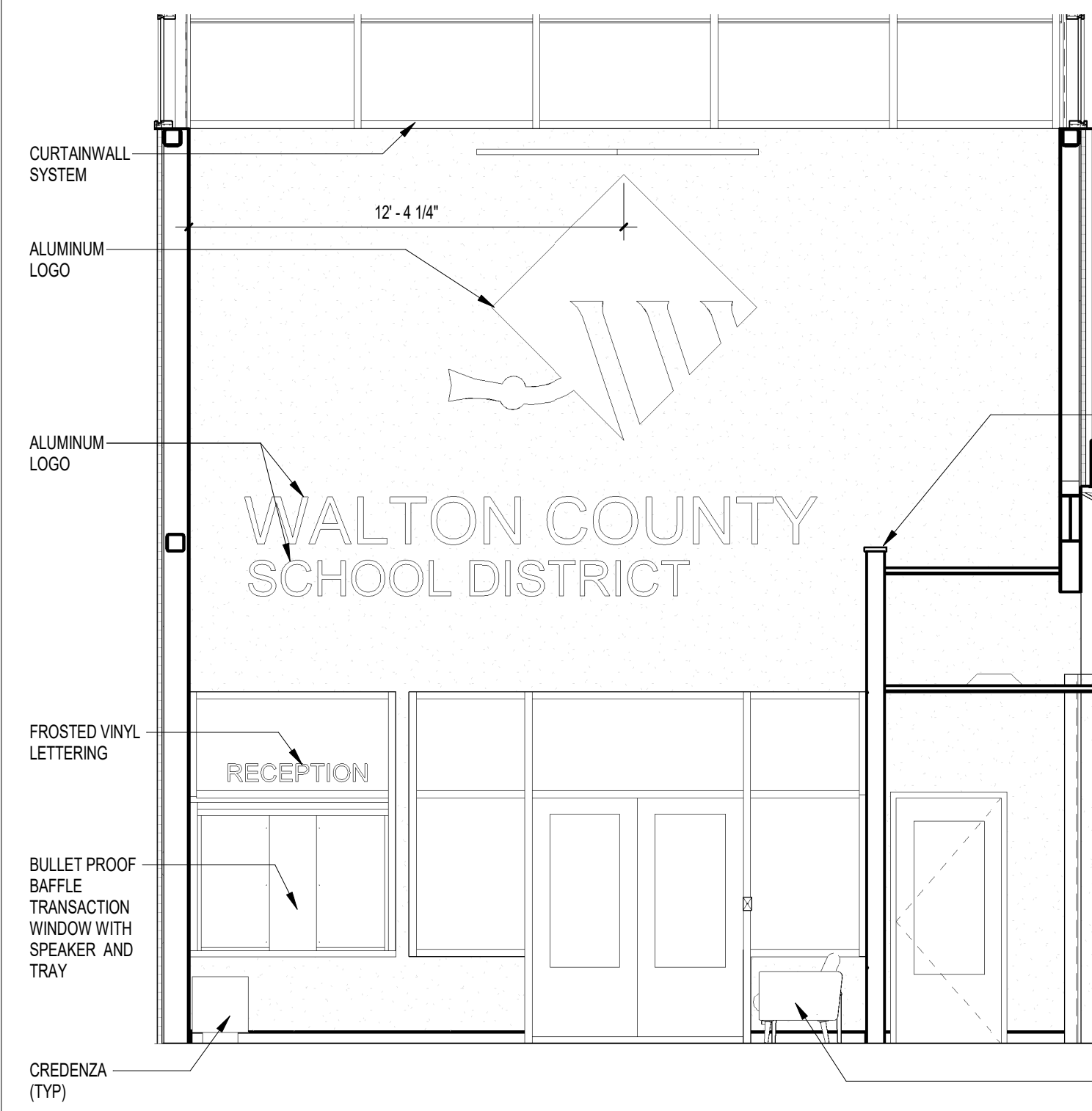
DATE	DRAWN BY
15 JANUARY 2025	RP
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68100	BI

SHEET TITLE
**DOOR AND WINDOW
DETAILS**

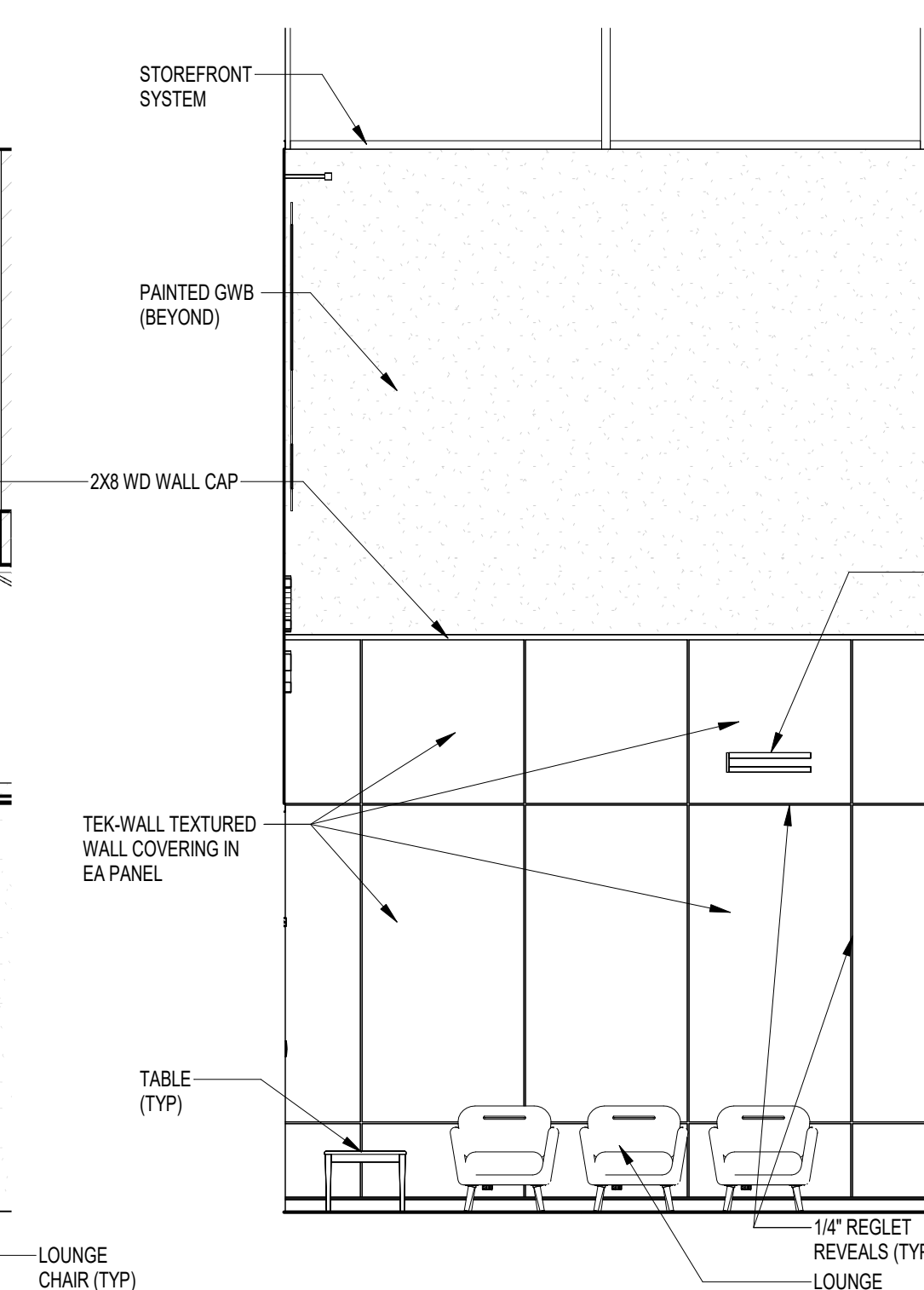
SHEET NO	REV NO
A627	1



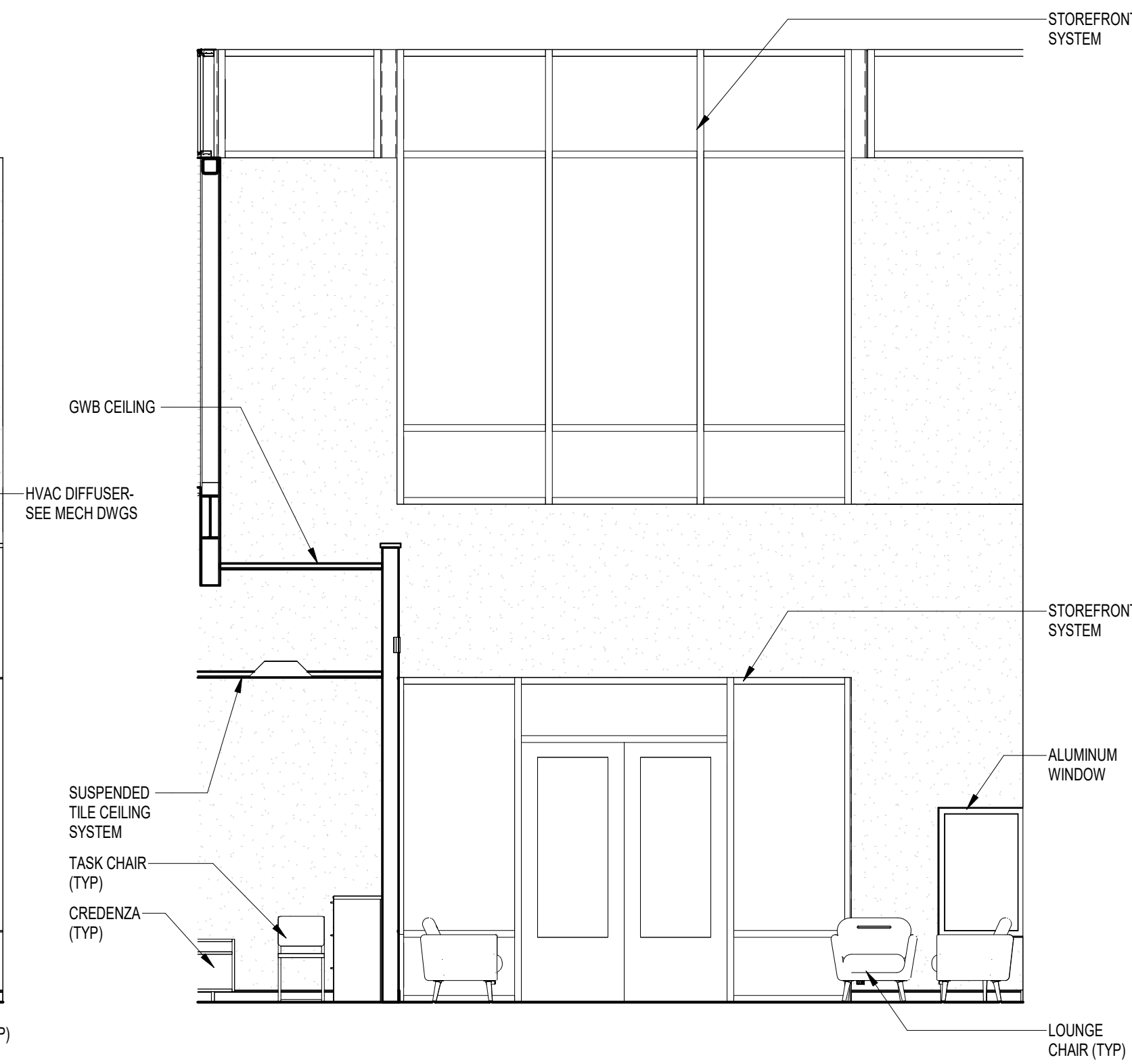
NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS



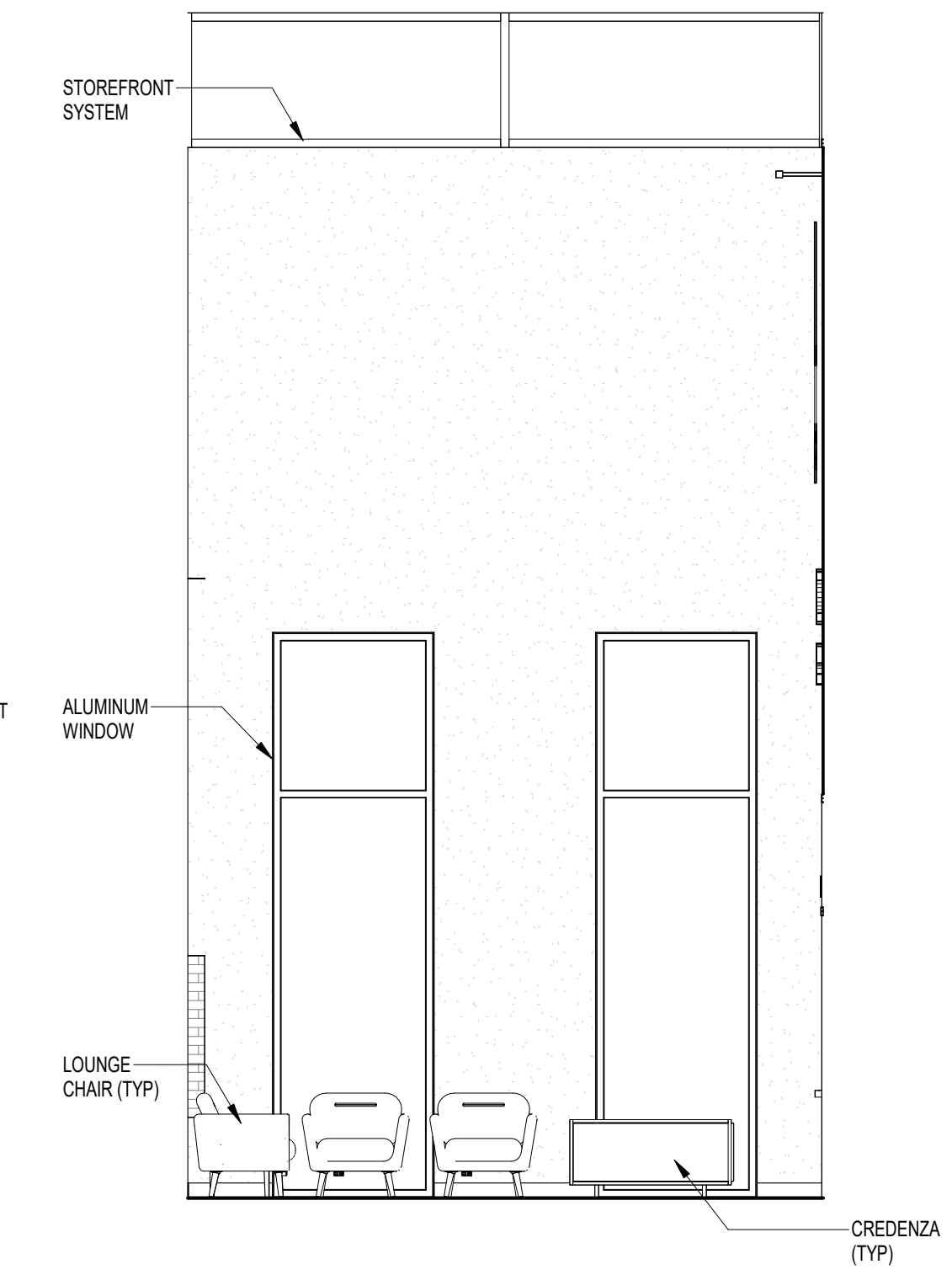
1 1-001 SECURE LOBBY (WEST)
1/4" = 1'-0"



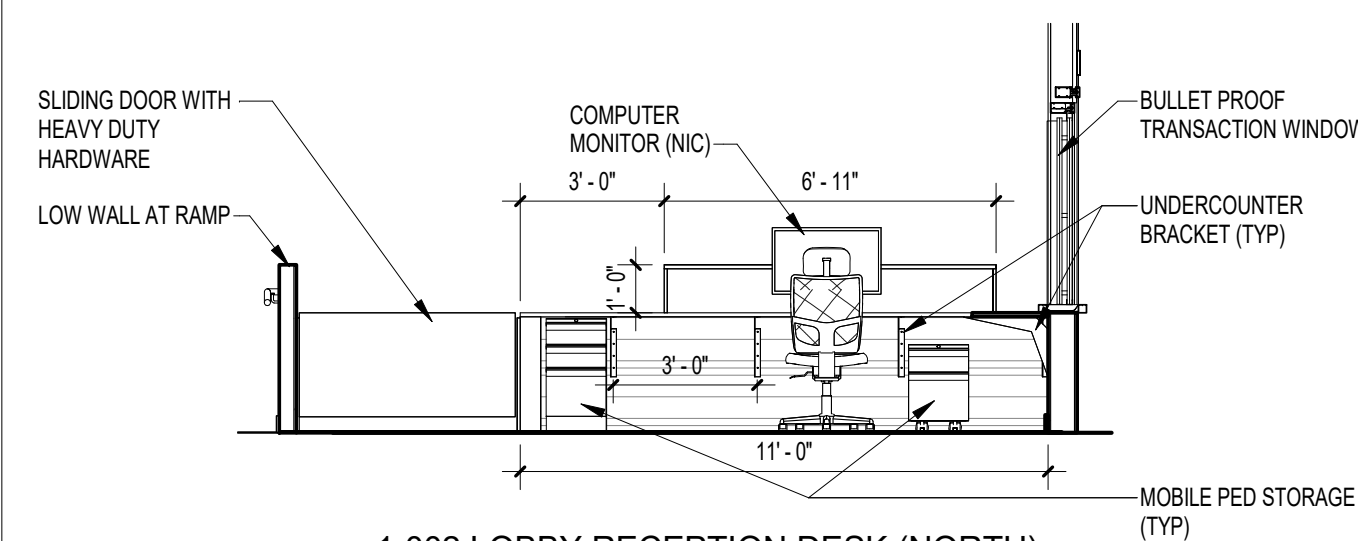
2 1-001 SECURE LOBBY (NORTH)
1/4" = 1'-0"



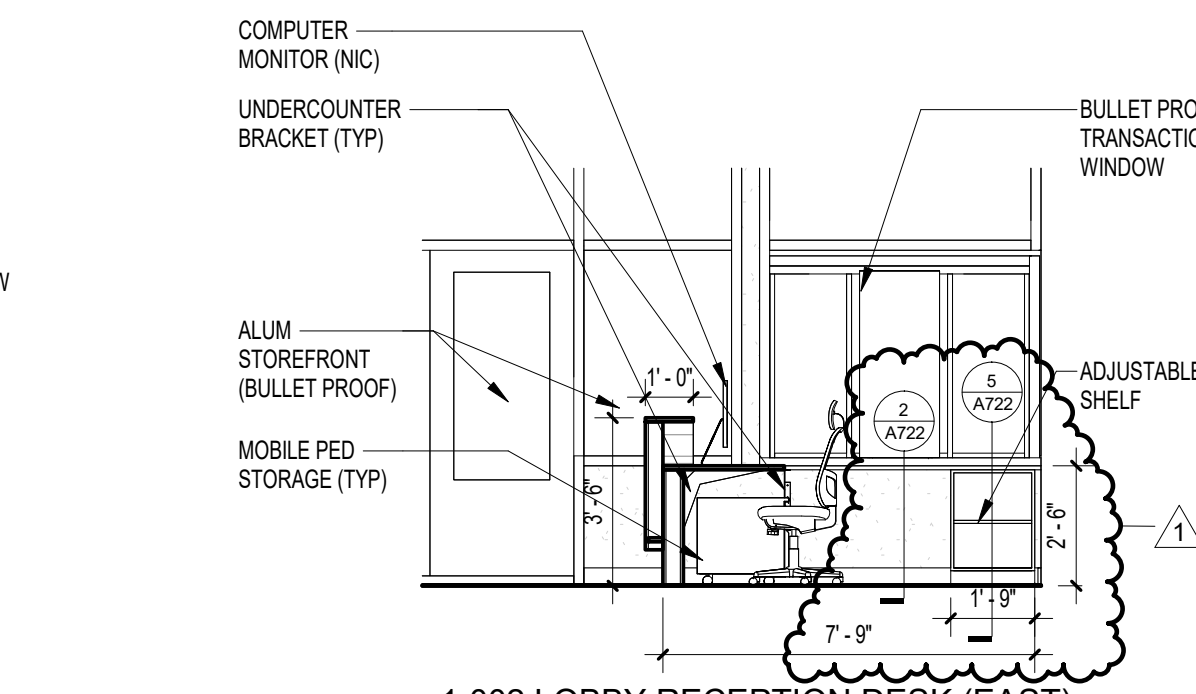
3 1-001 SECURE LOBBY (EAST)
1/4" = 1'-0"



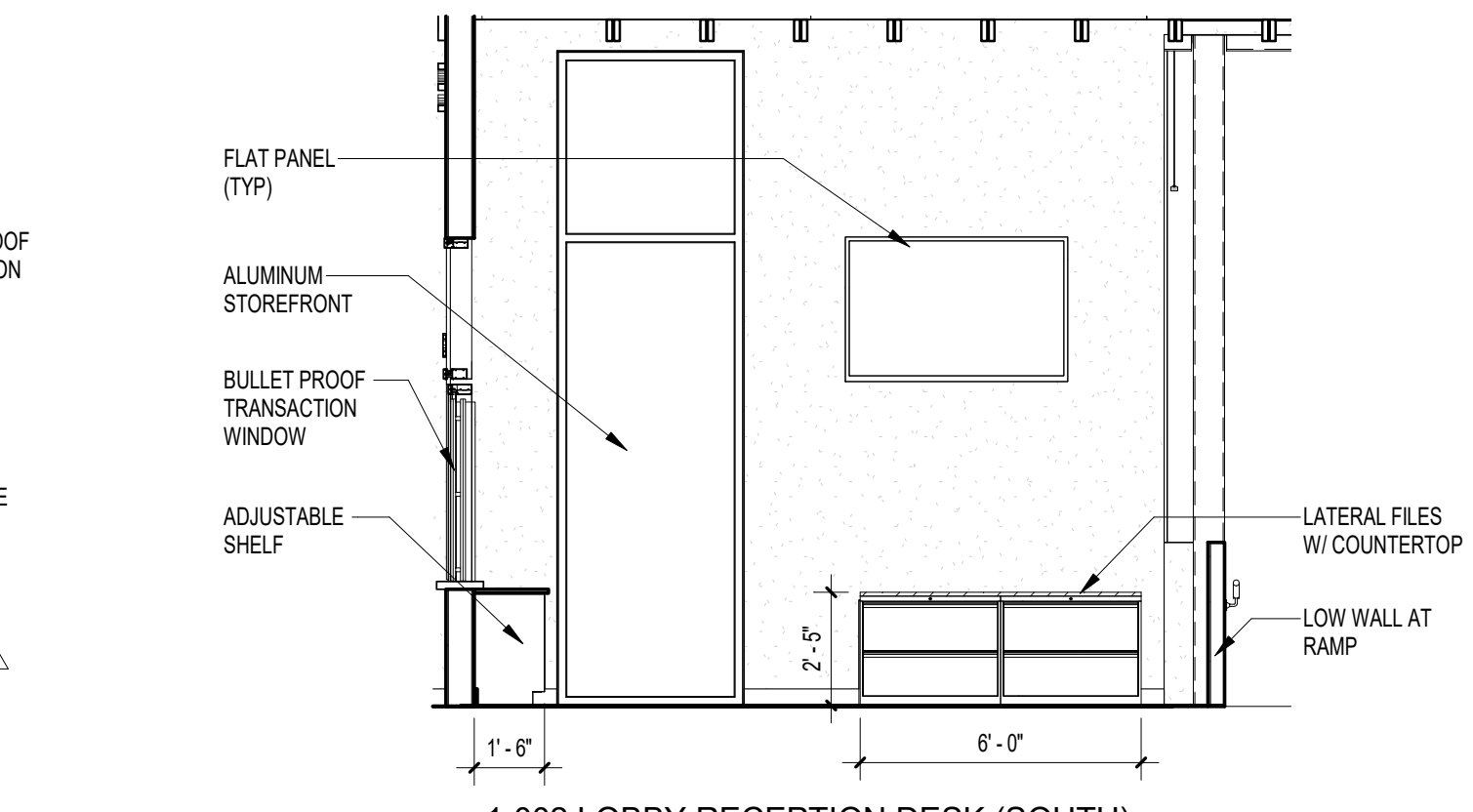
4 1-001 SECURE LOBBY (SOUTH)
1/4" = 1'-0"



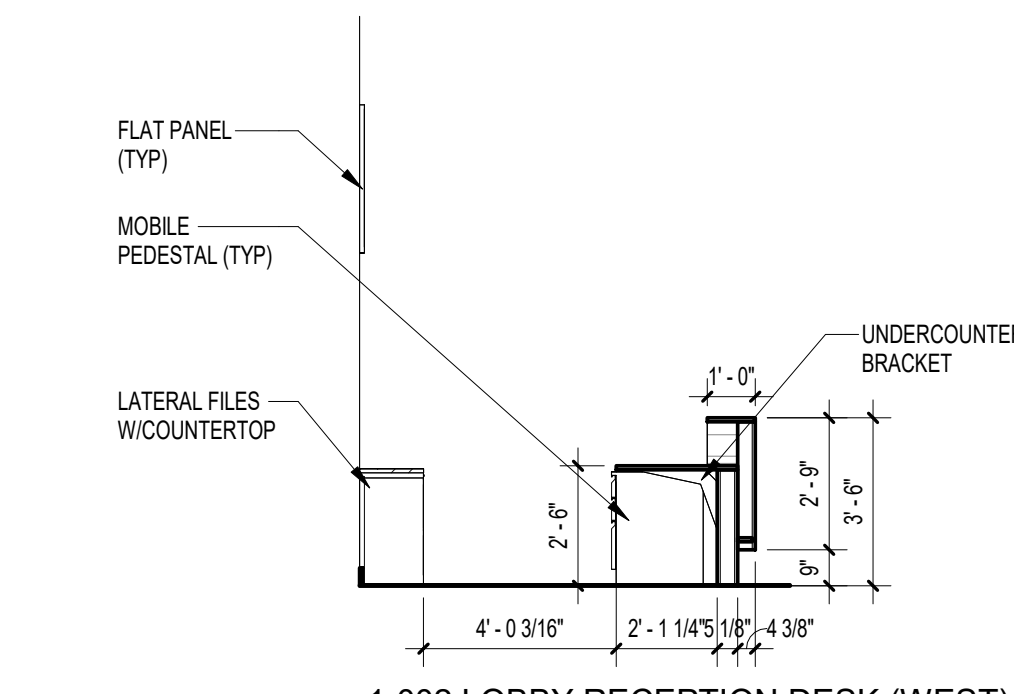
5 1-002 LOBBY RECEPTION DESK (NORTH)
1/4" = 1'-0"



6 1-002 LOBBY RECEPTION DESK (EAST)
1/4" = 1'-0"



7 1-002 LOBBY RECEPTION DESK (SOUTH)
1/4" = 1'-0"



8 1-002 LOBBY RECEPTION DESK (WEST)
1/4" = 1'-0"

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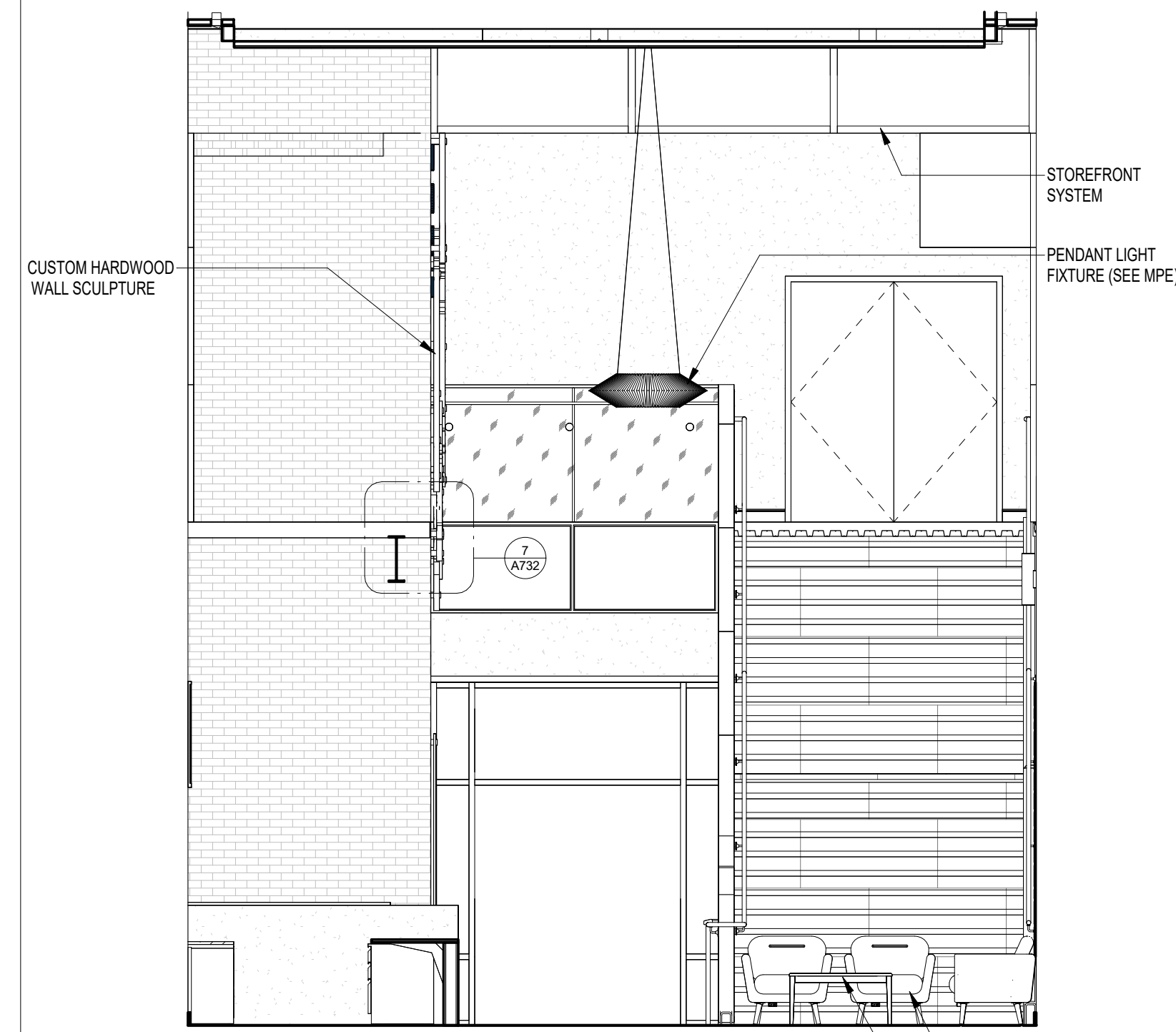
REV	DATE	DESCRIPTION
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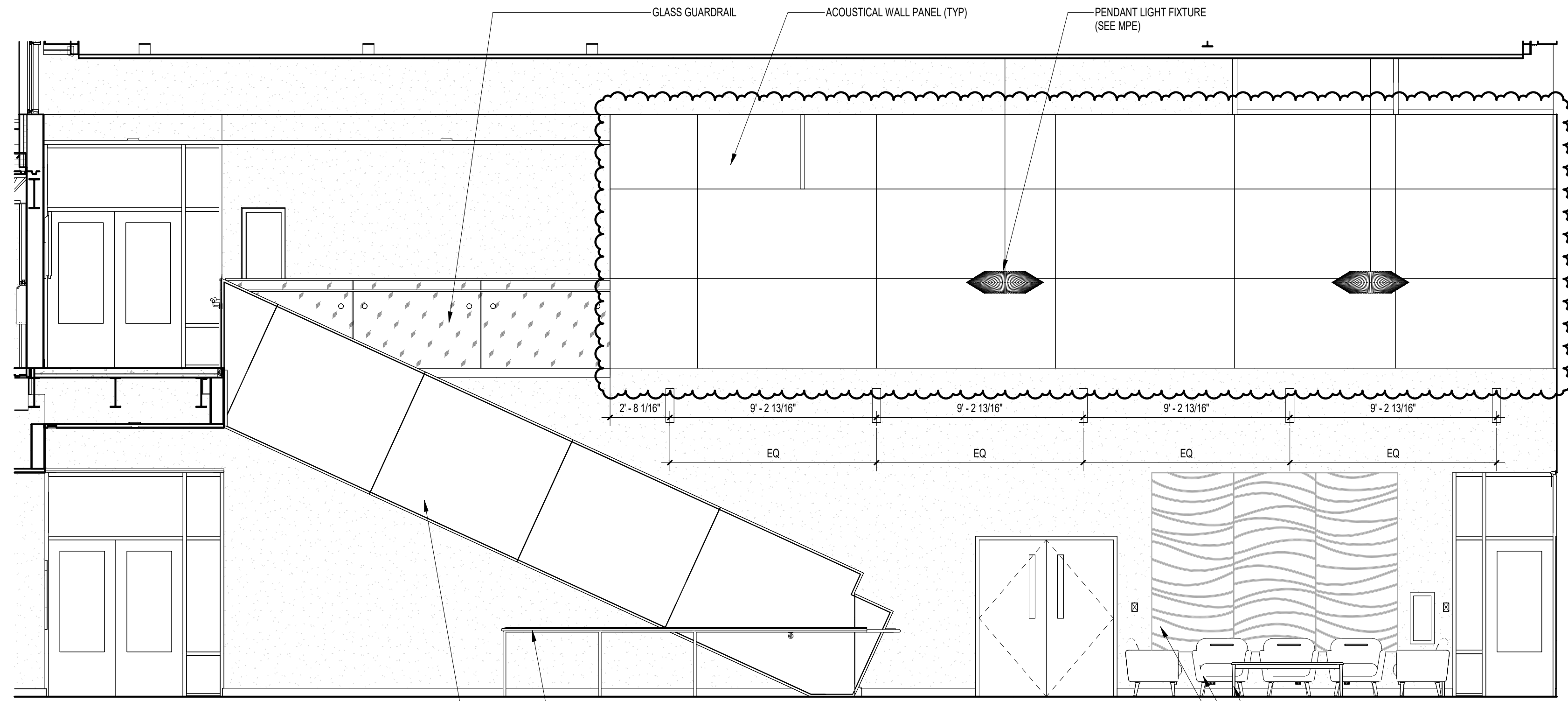
SHEET TITLE
INTERIOR ELEVATIONS

SHEET NO A701	REV NO 1
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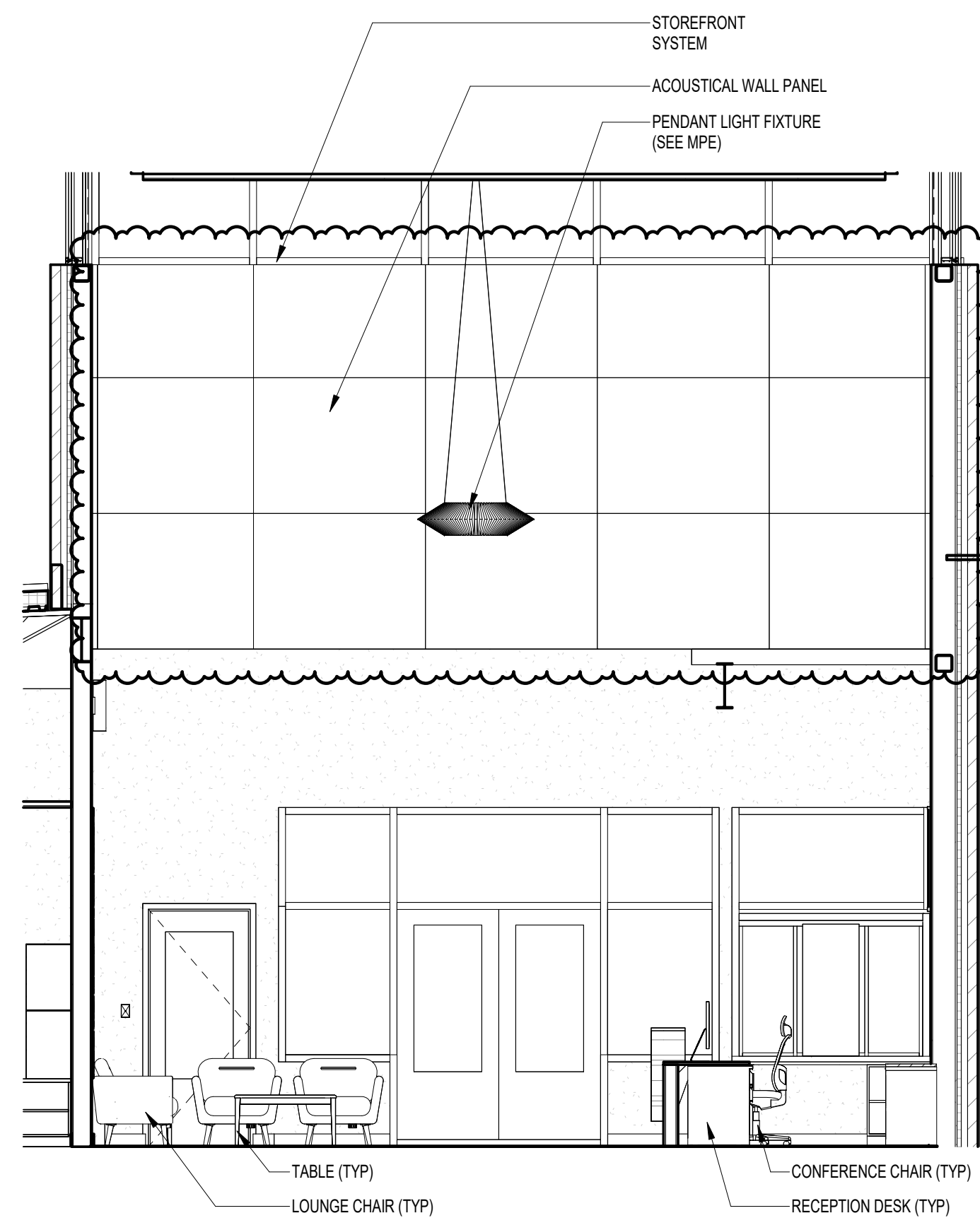
NOTE:
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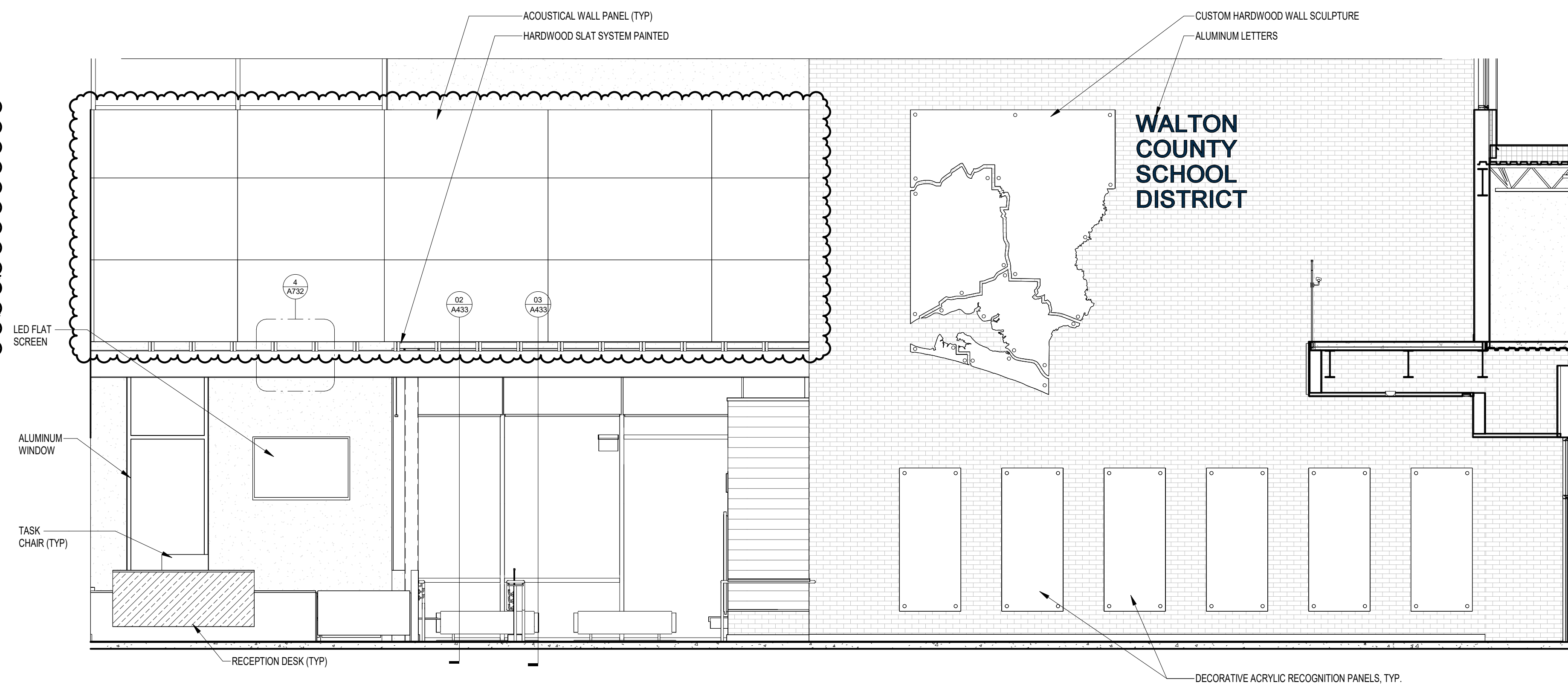
① 1-002 LOBBY (WEST)
1/4" = 1'-0"



② 1-002 LOBBY (NORTH)
1/4" = 1'-0"



③ 1-002 LOBBY (EAST)
1/4" = 1'-0"



④ 1-002 LOBBY (SOUTH)
1/4" = 1'-0"

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SHEET TITLE
INTERIOR ELEVATIONS

SHEET NO A702	REV NO 1
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NOTE:
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DATE
15 JANUARY 2025

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RMP

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68100

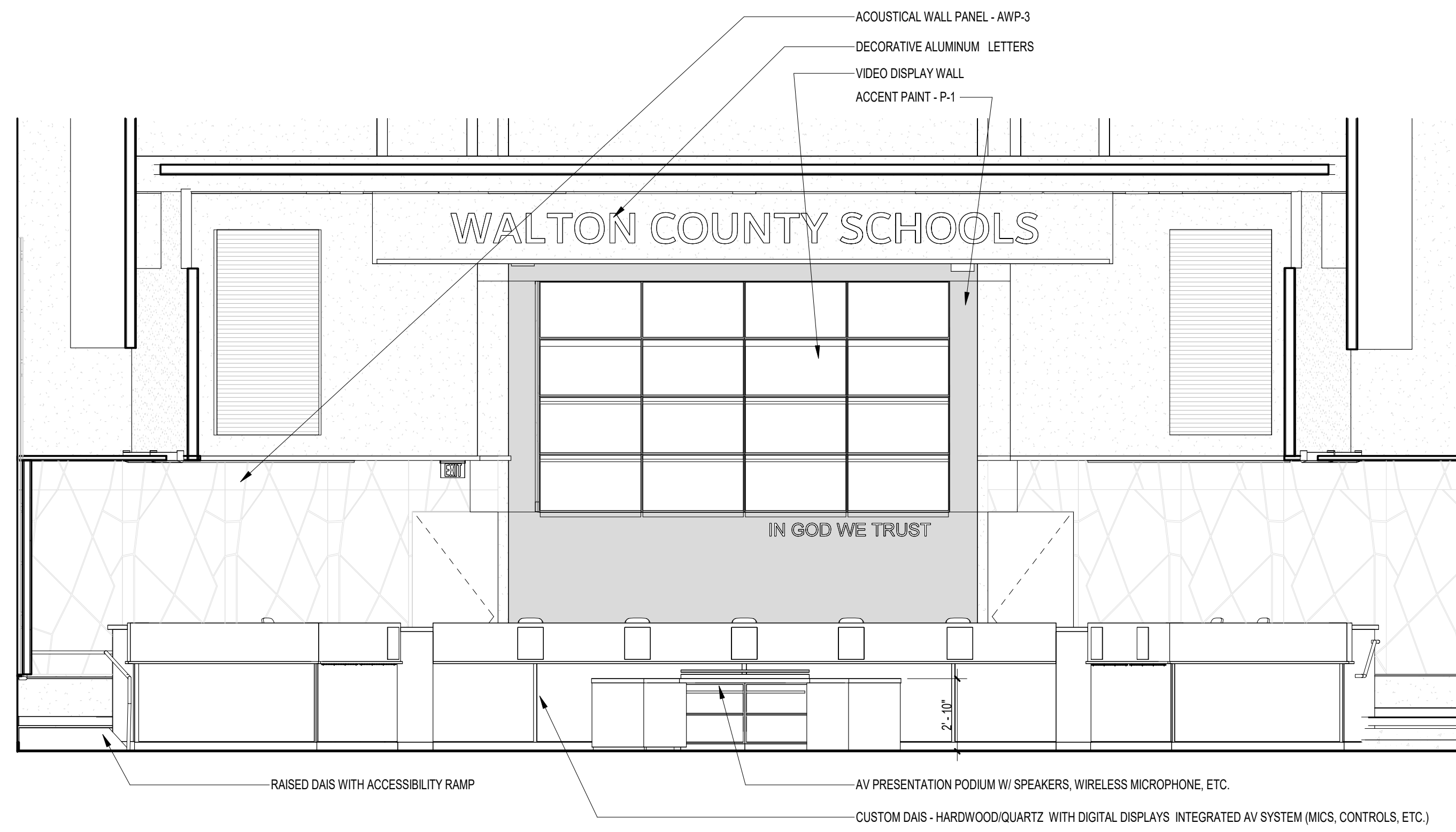
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SHEET TITLE

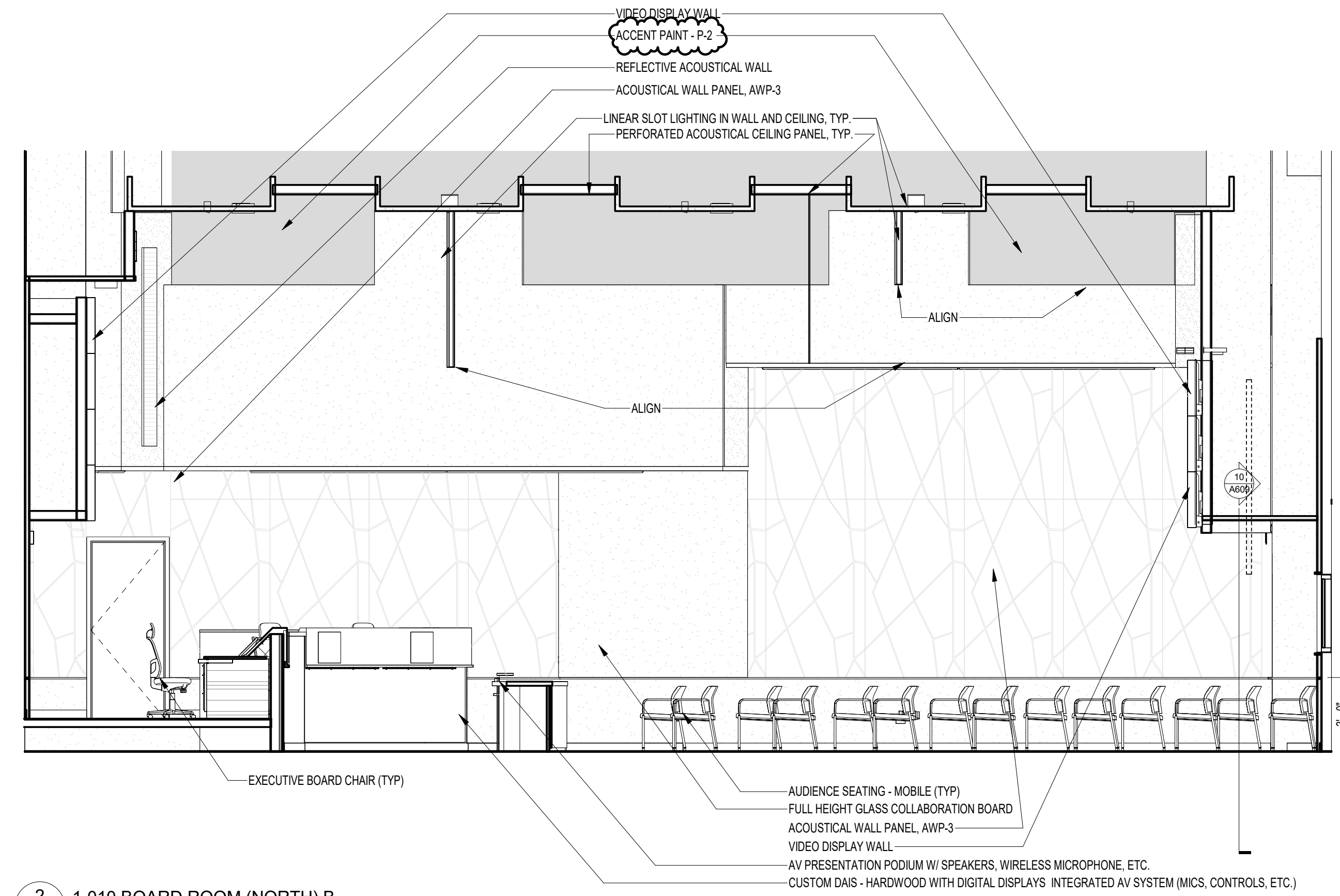
INTERIOR ELEVATIONS

SHEET NO
A704-B

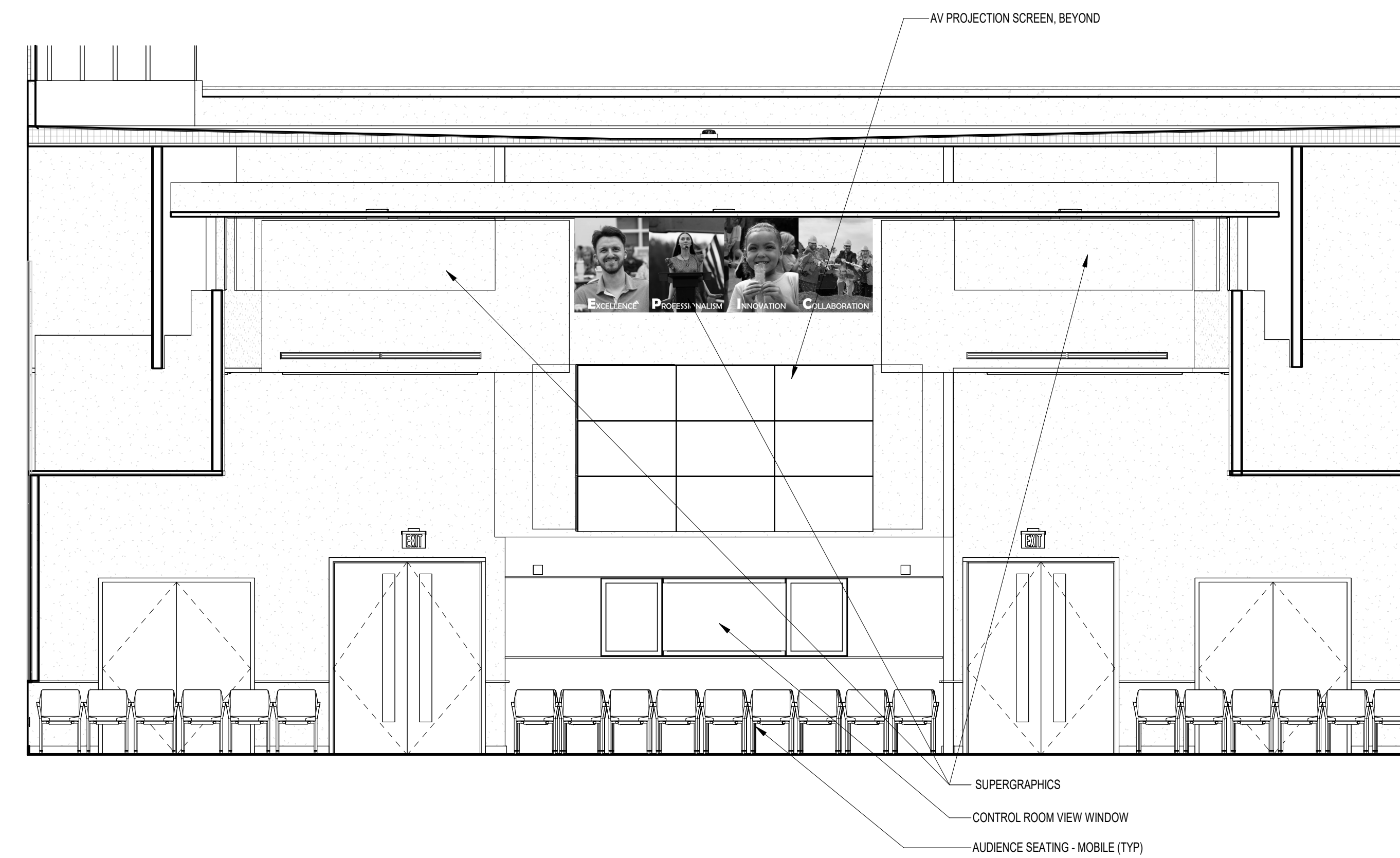
REV NO
1



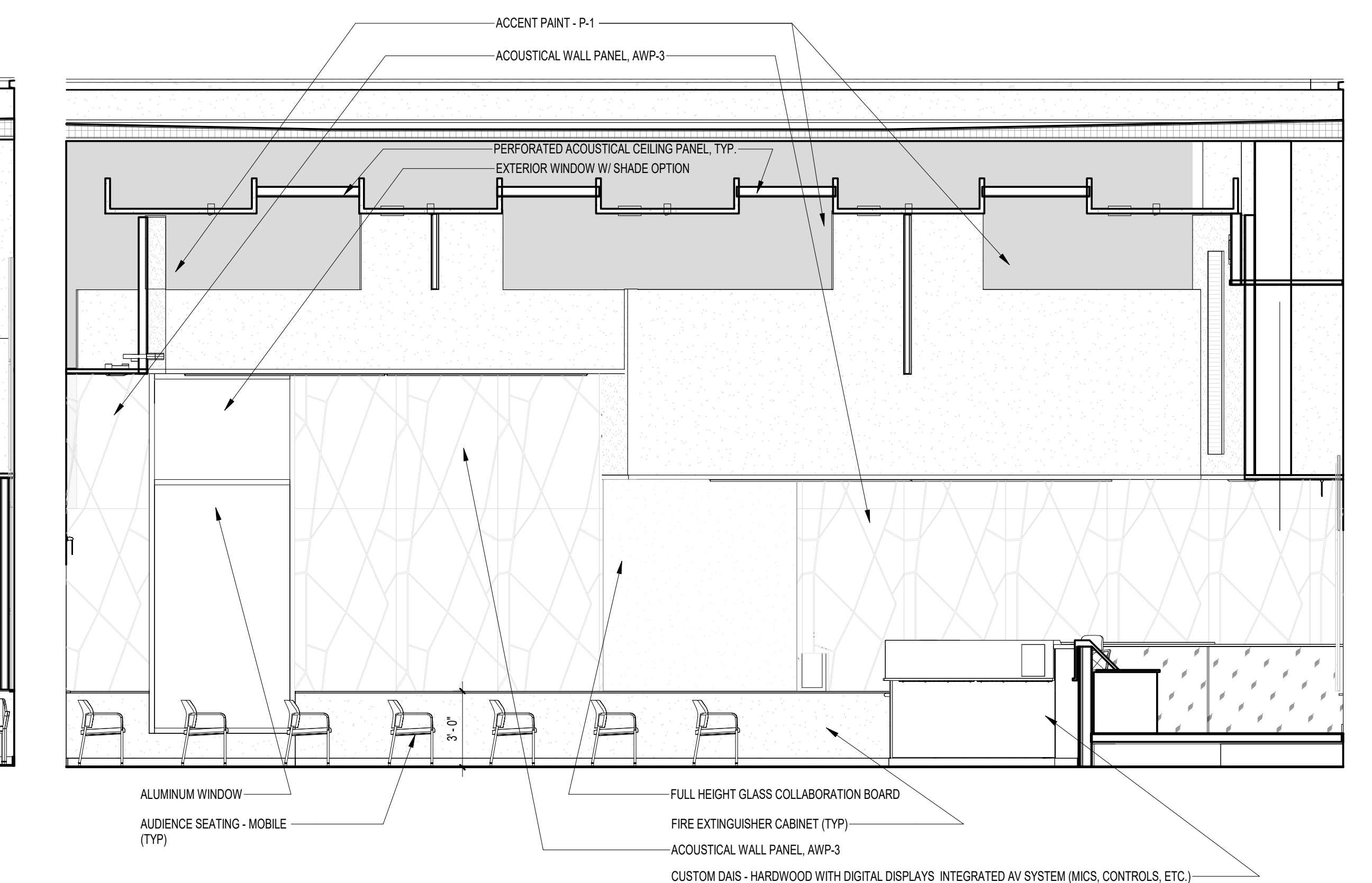
1 1-010 BOARD ROOM (WEST) B
A704-B 1/4" = 1'-0"



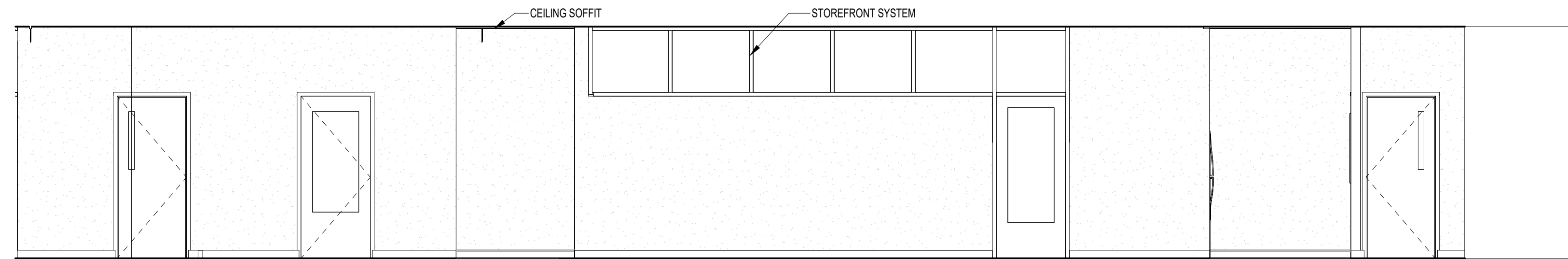
2 1-010 BOARD ROOM (NORTH) B
A704-B 1/4" = 1'-0"



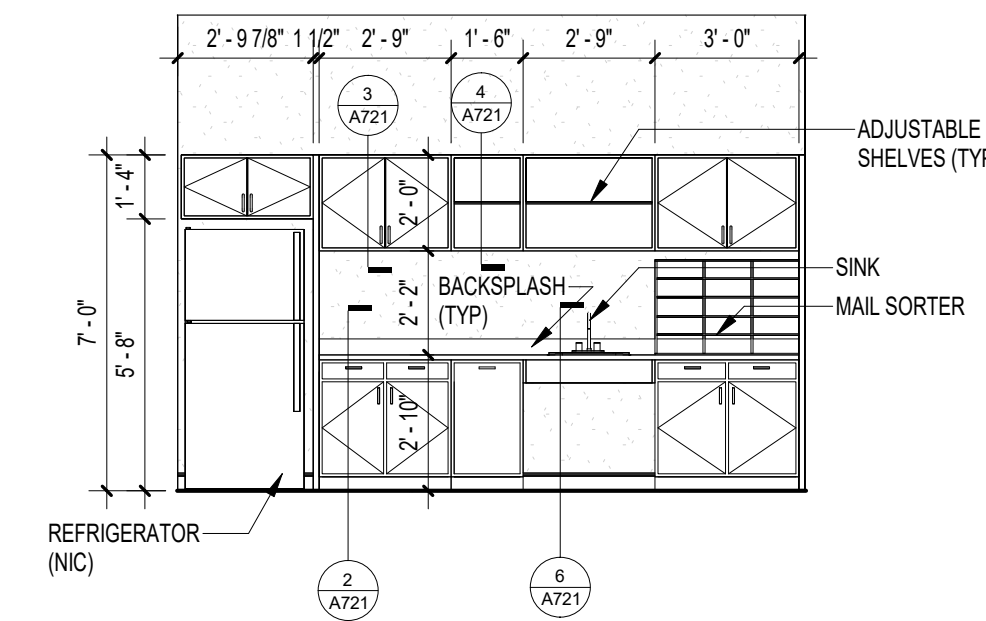
3 1-010 BOARD ROOM (EAST) B
A704-B 1/4" = 1'-0"



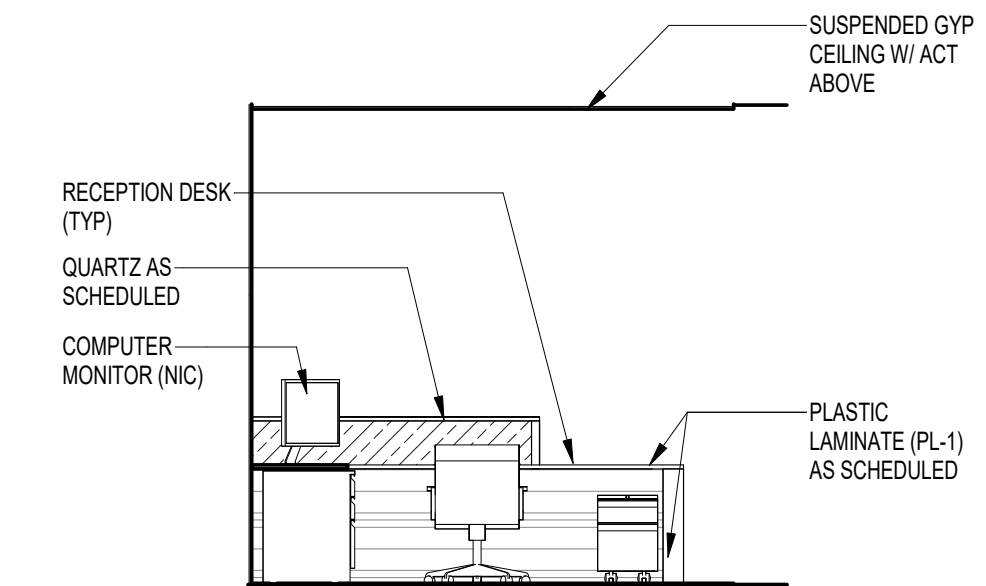
4 1-010 BOARD ROOM (SOUTH) B
A704-B 1/4" = 1'-0"



1 C108 CORRIDOR AND 1-040A RECEPT/
COPY (NORTH)
1/4" = 1'-0"

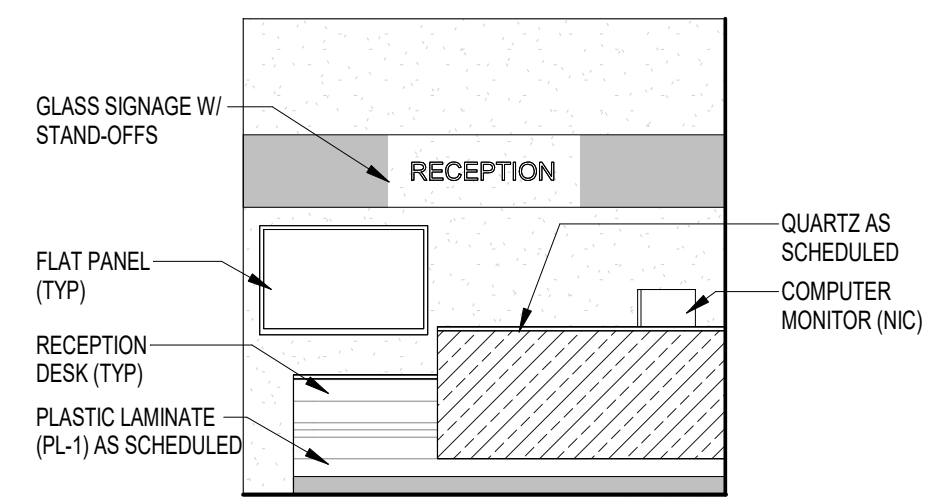


2 C109 CORRIDOR (WEST)
1/4" = 1'-0"

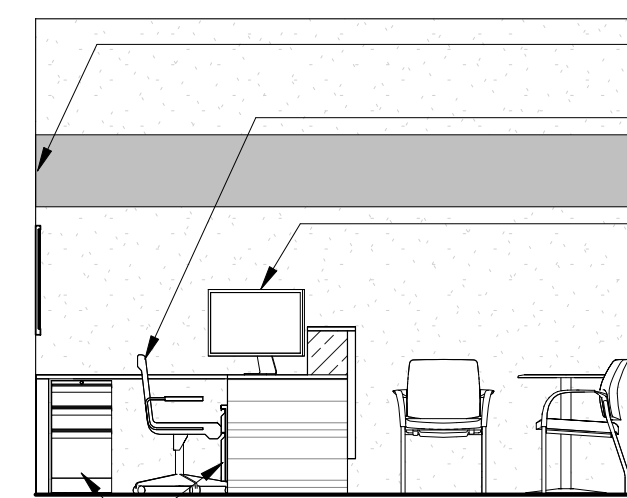


3 1-041 FIN RECEPT DESK (WEST)
1/4" = 1'-0"

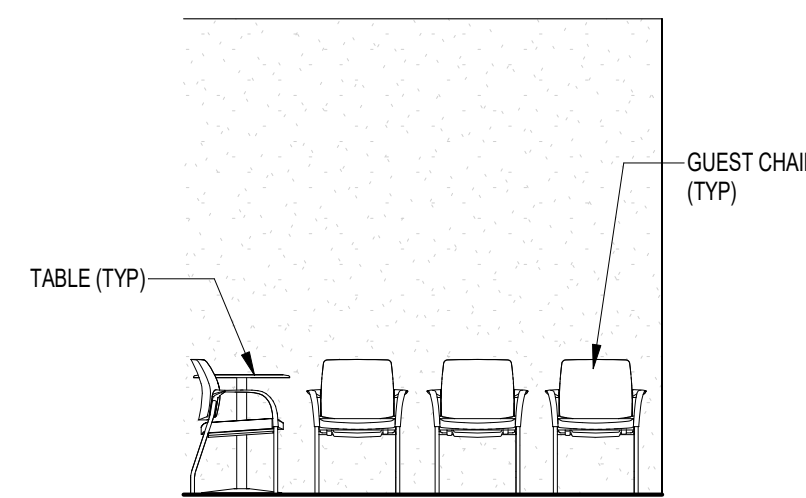
NOTE:
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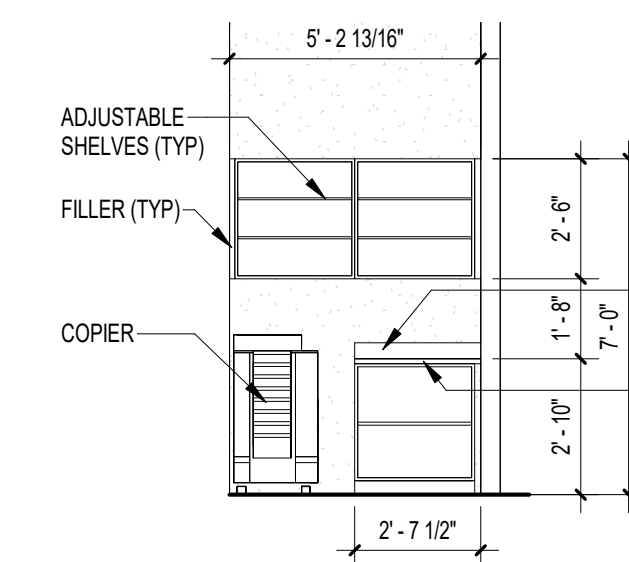
4 1-041 FIN RECEPT (EAST)
1/4" = 1'-0"



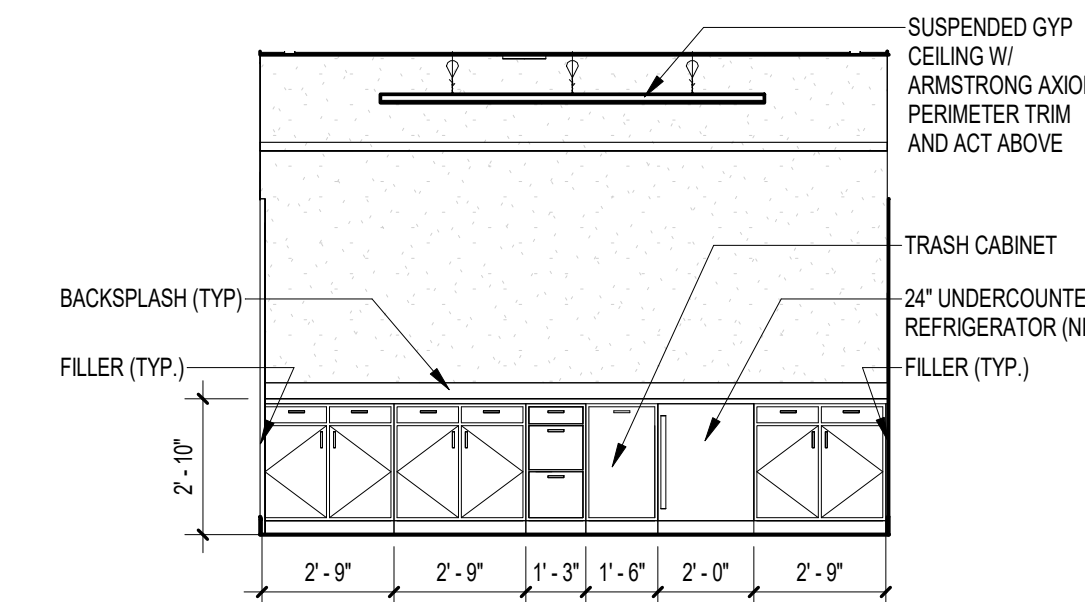
5 1-041 FIN RECEPT (SOUTH)
1/4" = 1'-0"



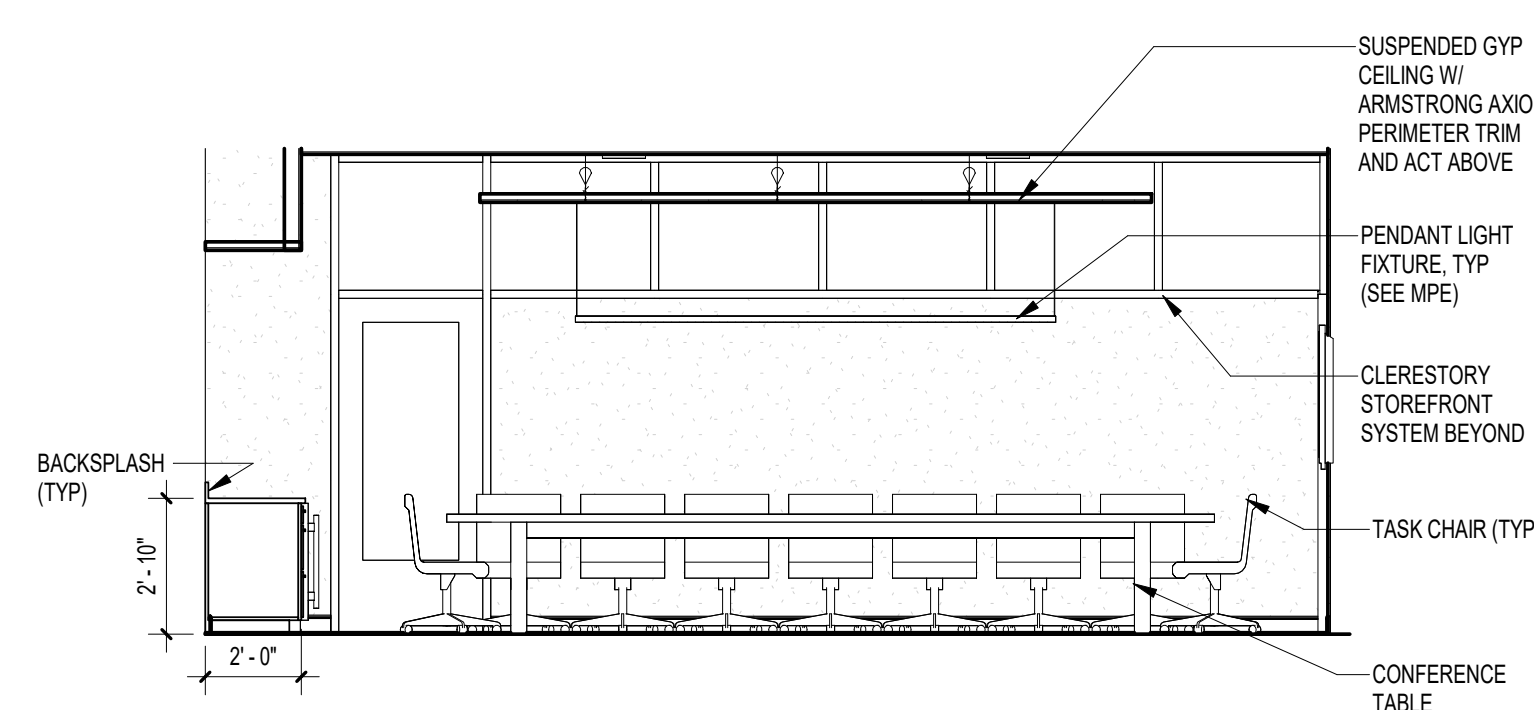
6 1-041 FIN RECEPT (WEST)
1/4" = 1'-0"



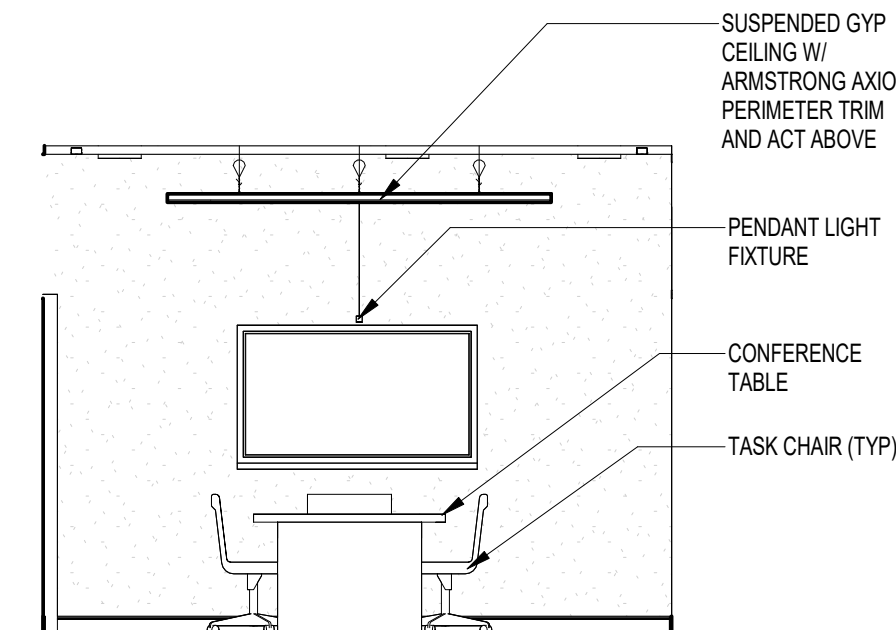
7 1-041A COPY (WEST)
1/4" = 1'-0"



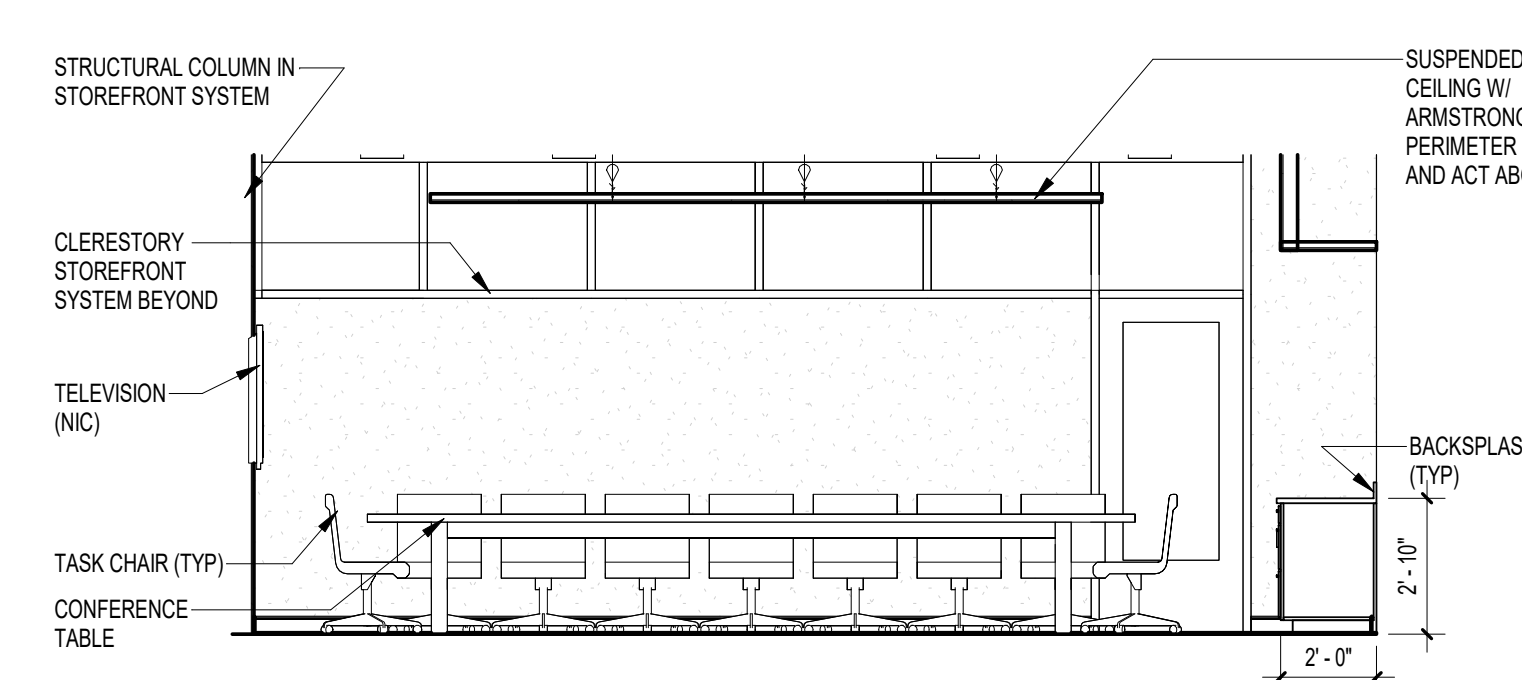
8 1-052 FIN CONFERENCE (EAST)
1/4" = 1'-0"



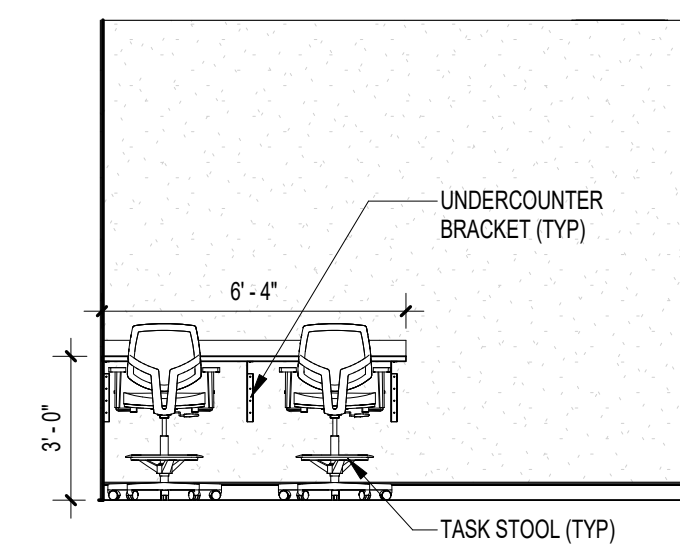
9 1-052 FIN CONFERENCE (SOUTH)
1/4" = 1'-0"



10 1-052 FIN CONFERENCE (WEST)
1/4" = 1'-0"



11 1-052 FIN CONFERENCE (NORTH)
1/4" = 1'-0"

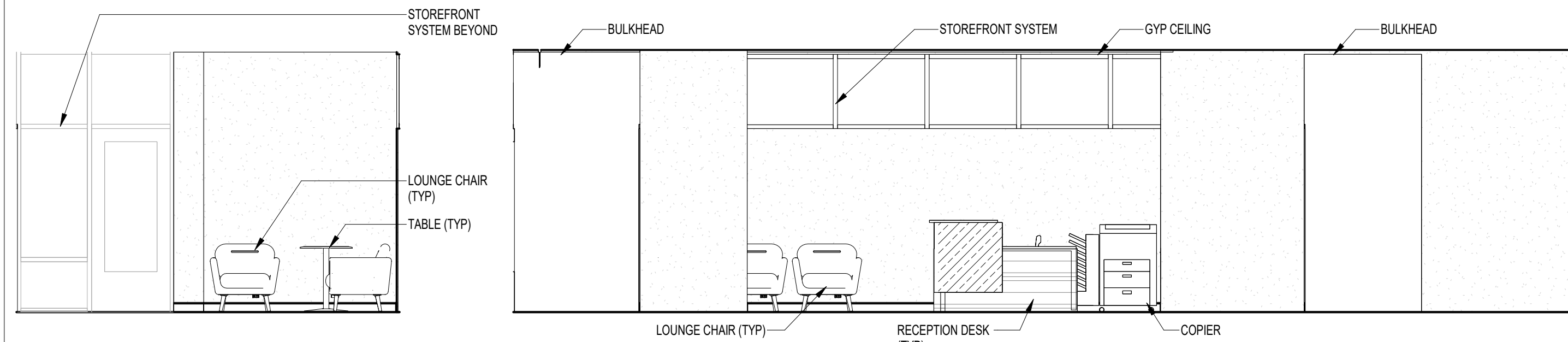


12 1-056 FOOD SERV STOR (NORTH)
1/4" = 1'-0"

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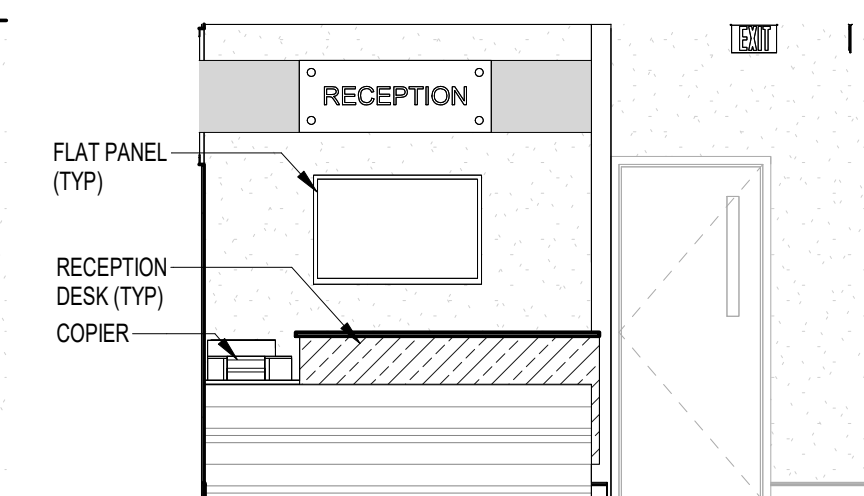
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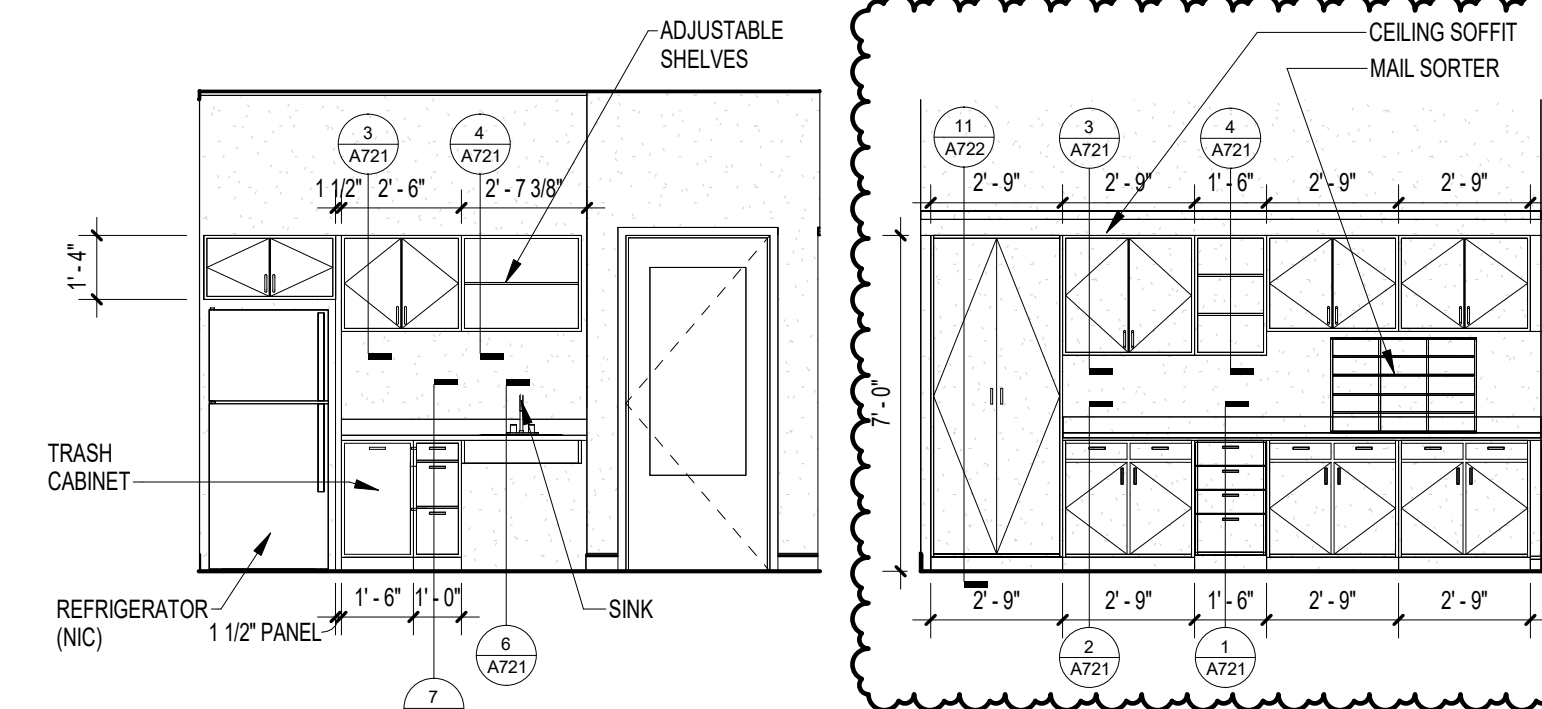


13 1-058 RECEPTION (EAST)
1/4" = 1'-0"

14 1-058 RECEPTION (SOUTH)
1/4" = 1'-0"



15 1-058 RECEPTION (WEST)
1/4" = 1'-0"



16 COPY/MAIL
1/4" = 1'-0"

17 COPY / MAIL
1/4" = 1'-0"

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15 JANUARY 2025	RMP
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SHEET TITLE	
INTERIOR ELEVATIONS	

SHEET NO	REV NO
A708	1

NOTE:
11" X 17" SHEETS ARE PLOTTED AT 1/2 THE
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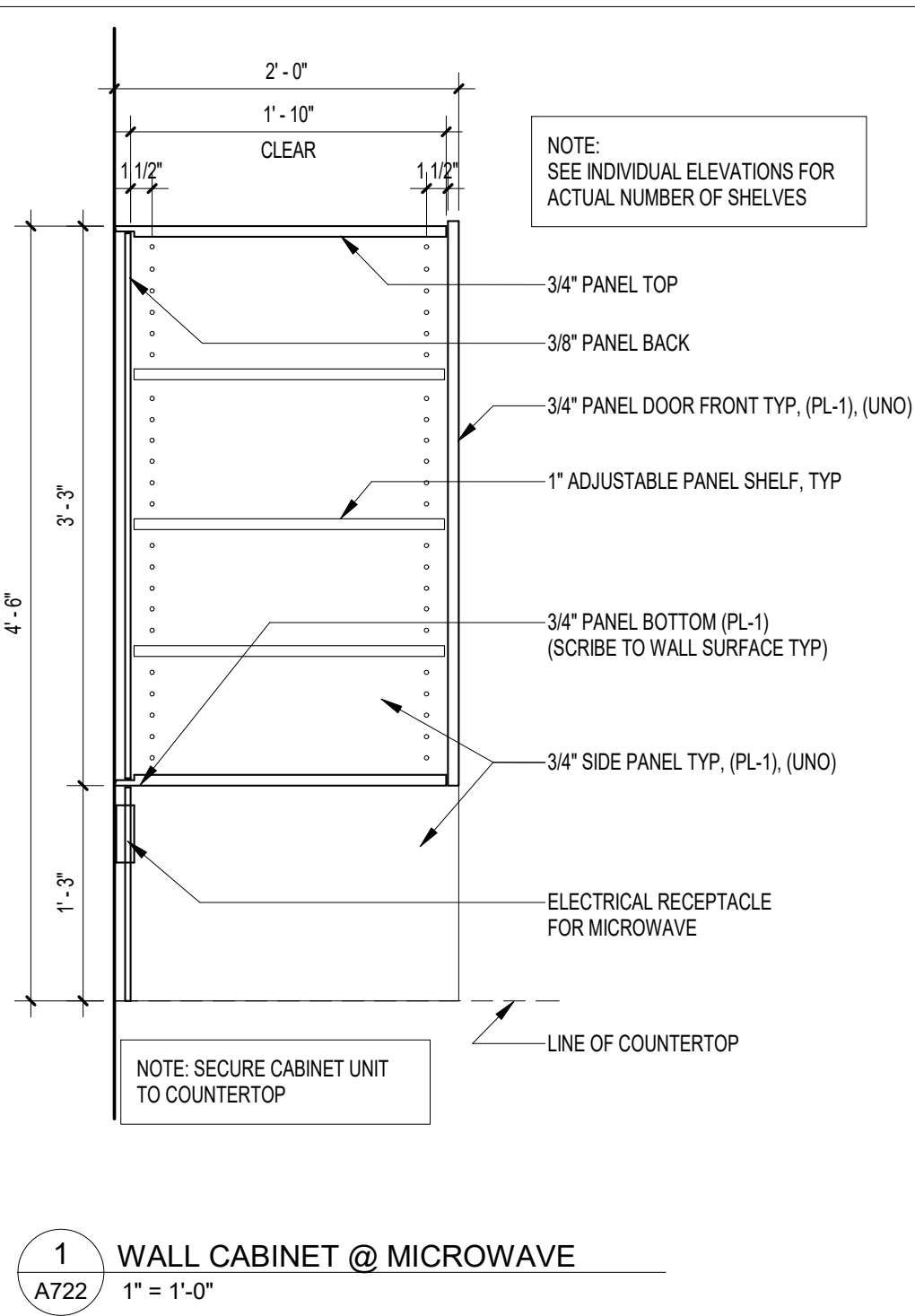
REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
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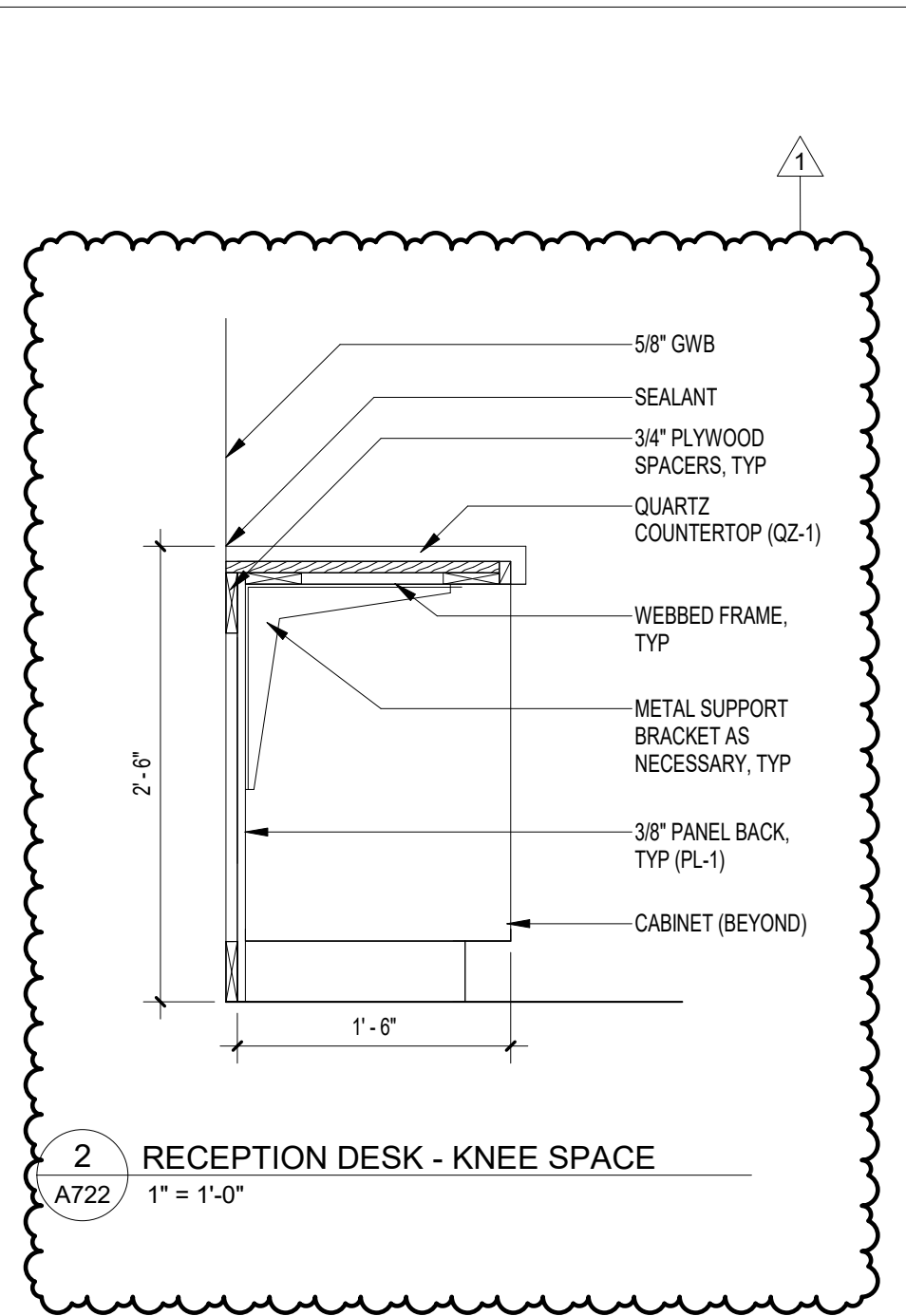
DATE	DRAWN BY
08 APRIL 2019	RMP
PROJECT NO	CHECKED BY
68100	SKC

SHEET TITLE
MILLWORK DETAILS

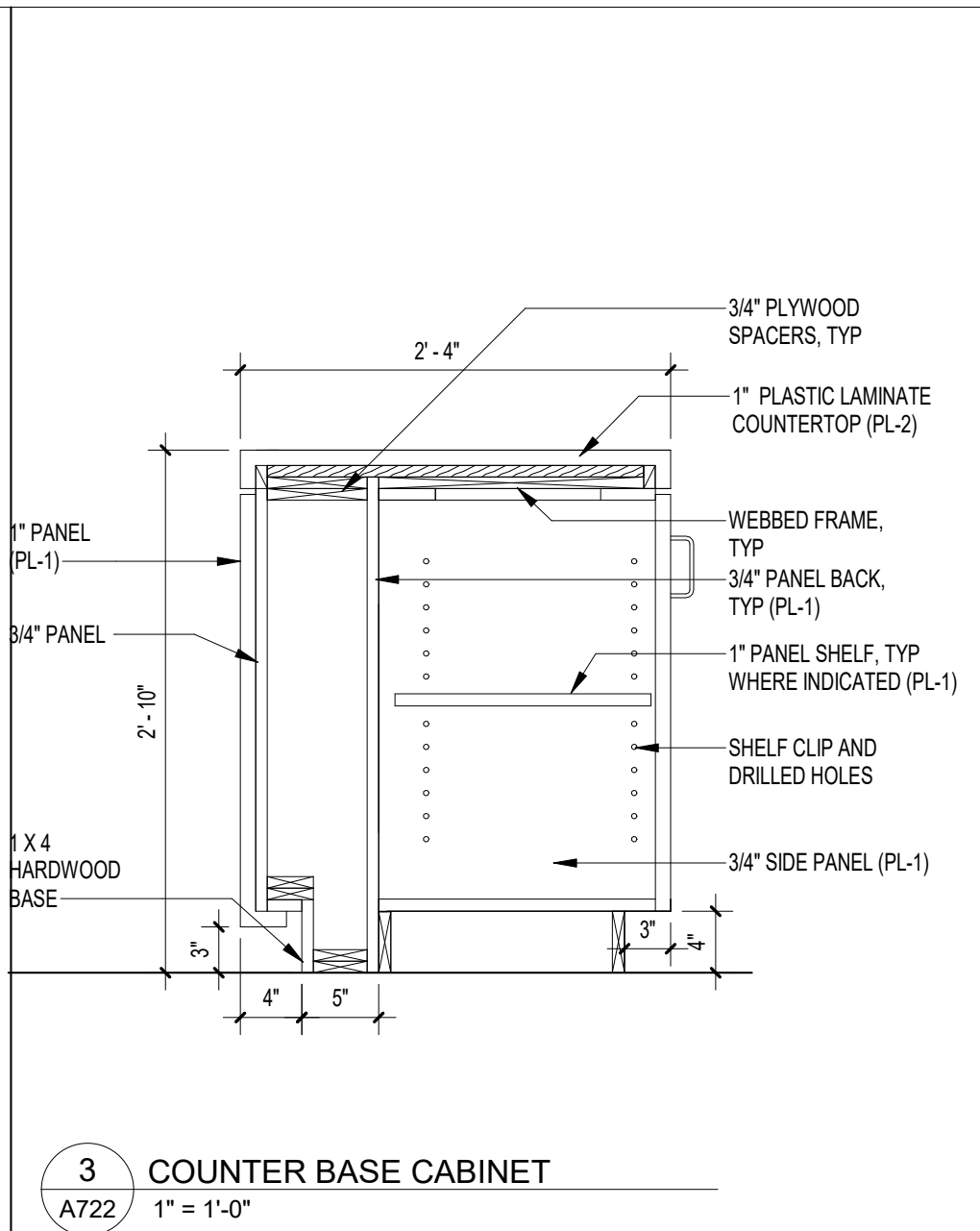
SHEET NO	REV NO
A722	1



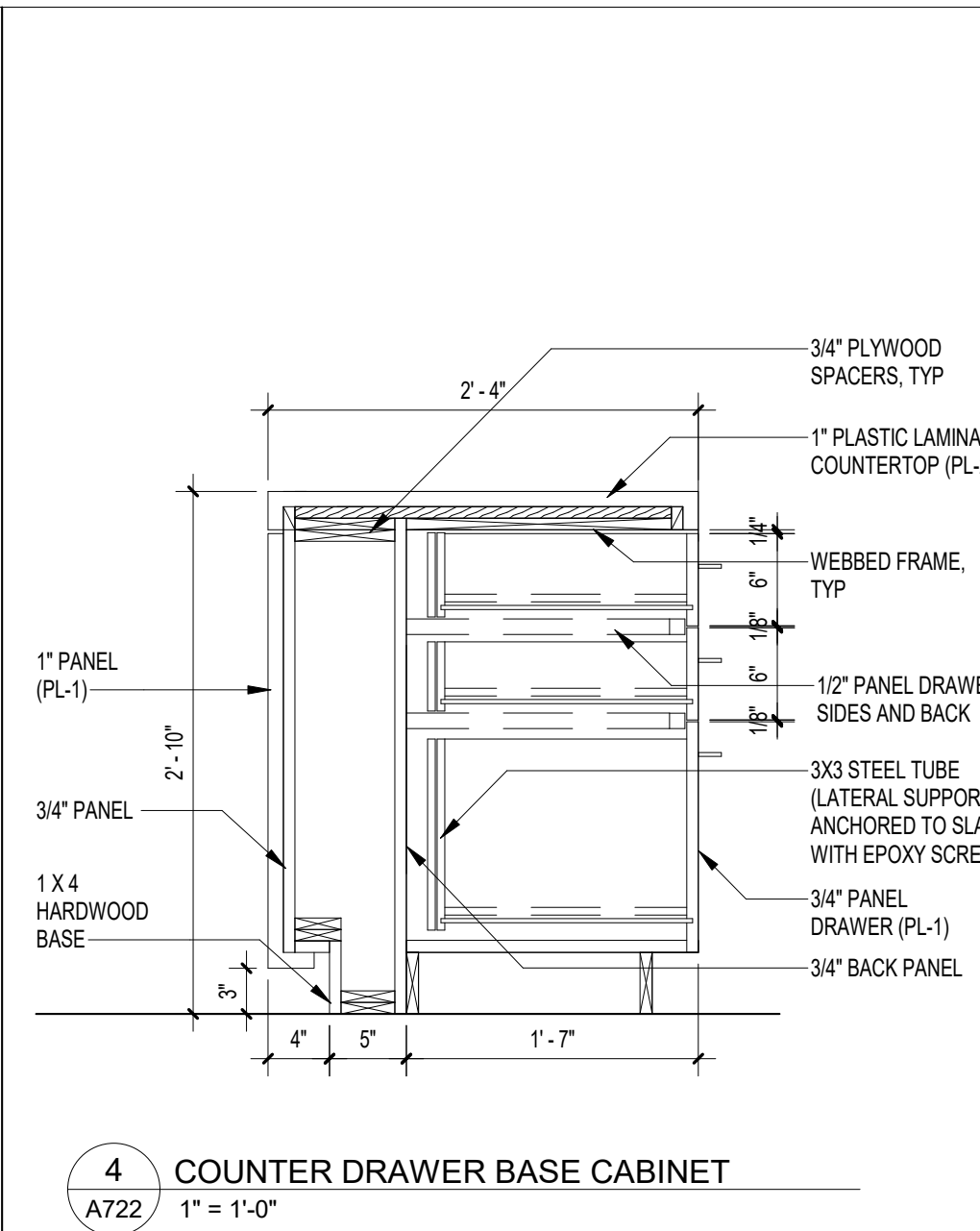
1 WALL CABINET @ MICROWAVE
A722 1" = 1'-0"



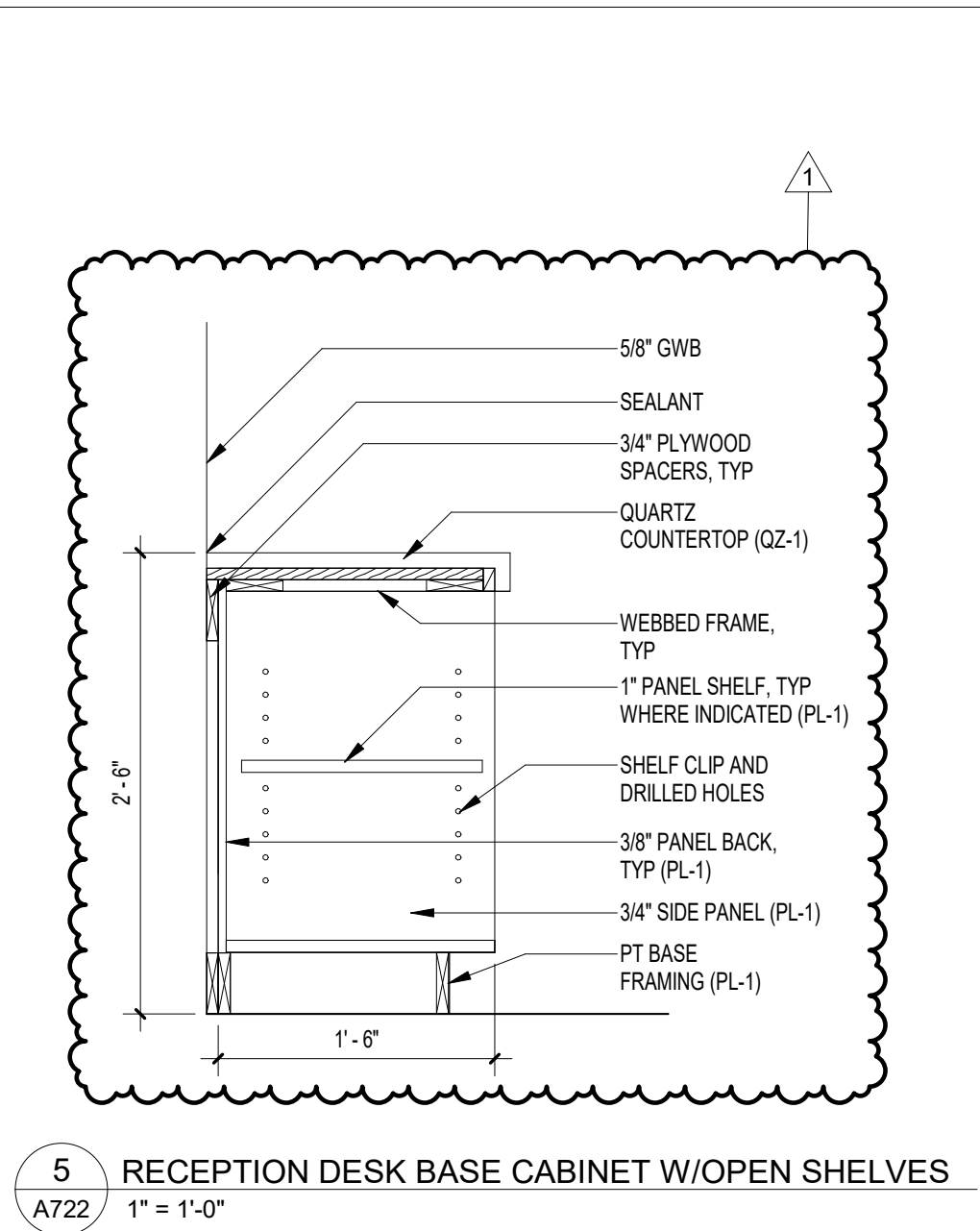
2 RECEPTION DESK - KNEE SPACE
A722 1" = 1'-0"



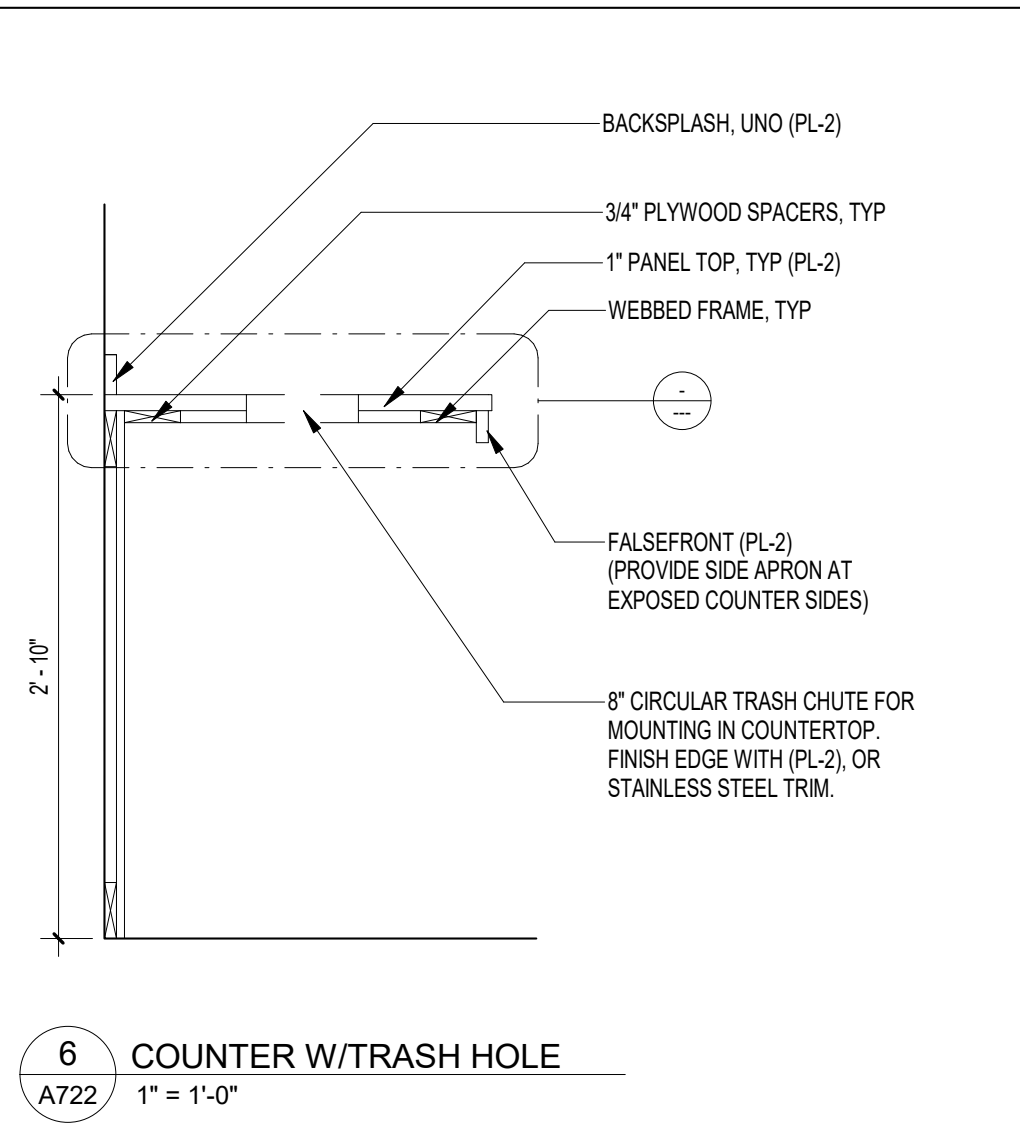
3 COUNTER BASE CABINET
A722 1" = 1'-0"



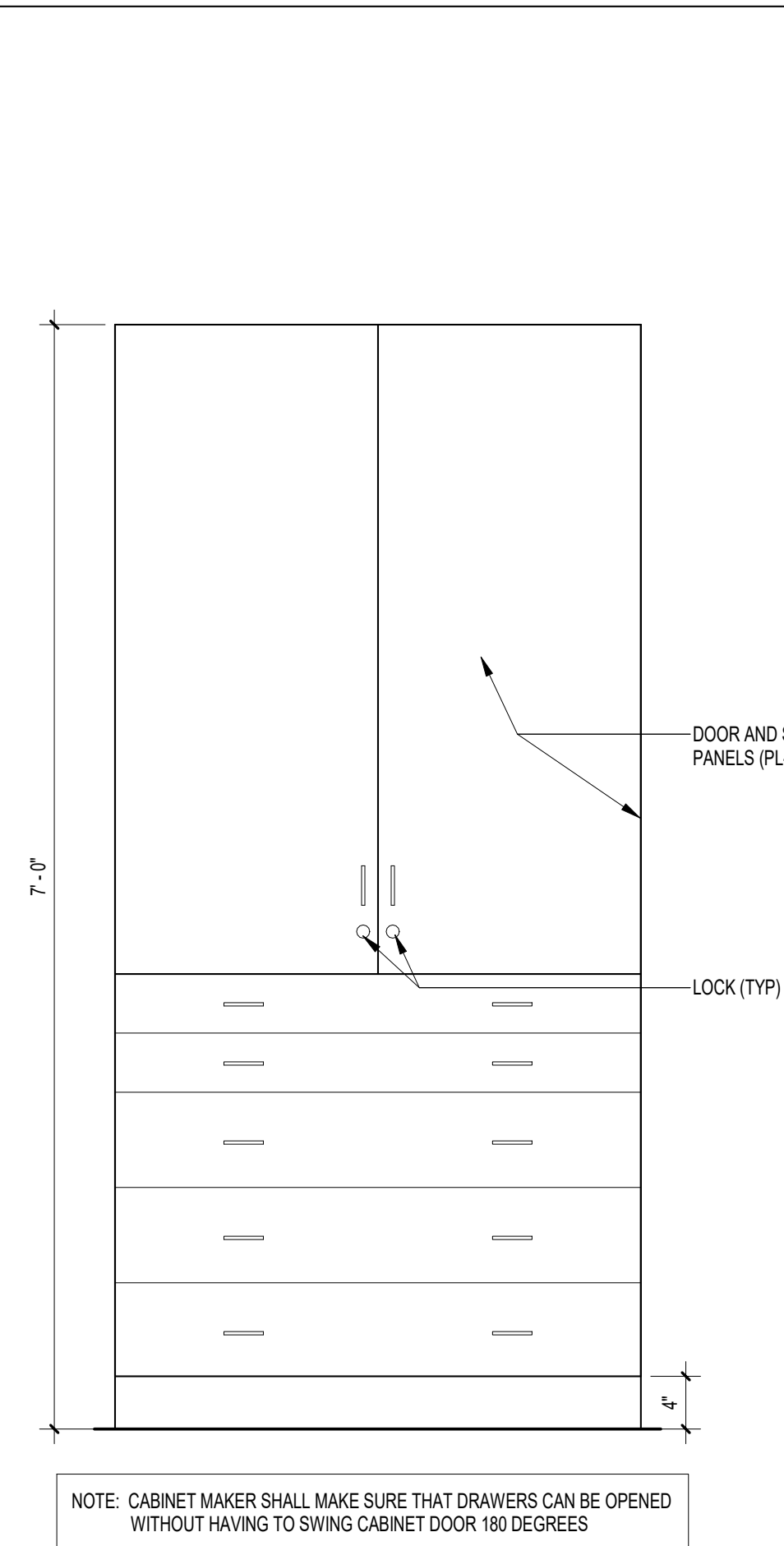
4 COUNTER DRAWER BASE CABINET
A722 1" = 1'-0"



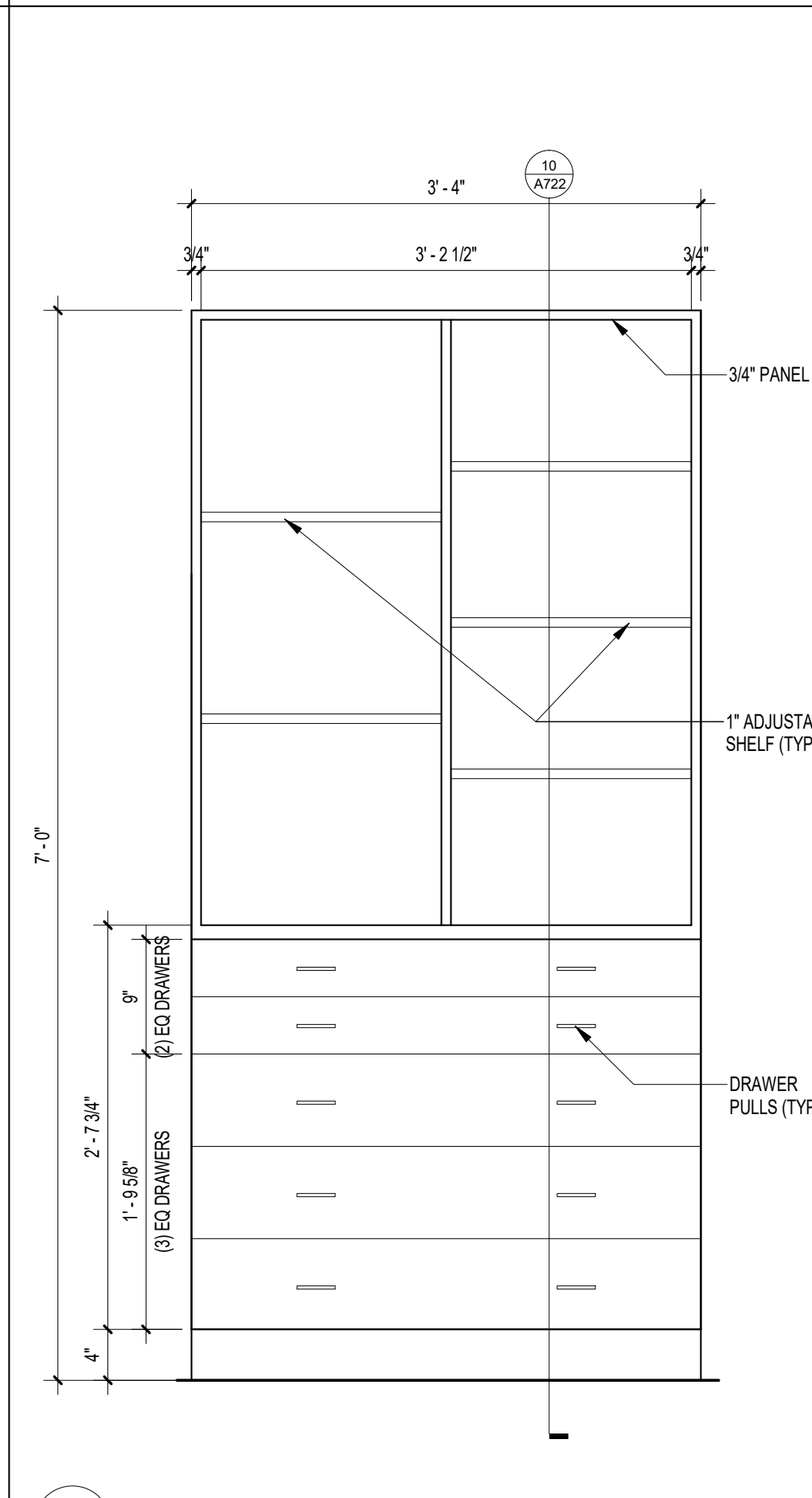
5 RECEPTION DESK BASE CABINET W/OPEN SHELVES
A722 1" = 1'-0"



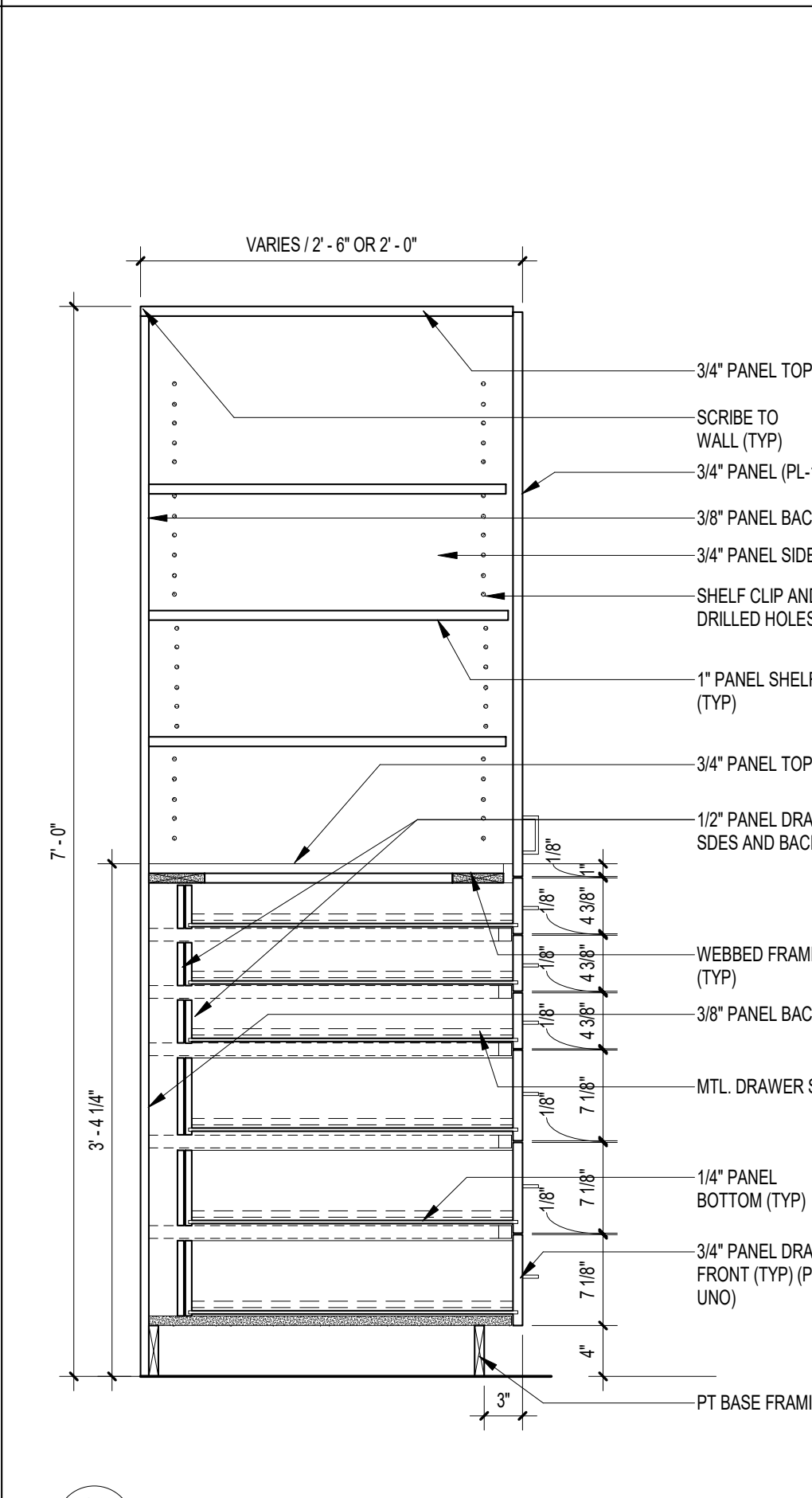
6 COUNTER W/TRASH HOLE
A722 1" = 1'-0"



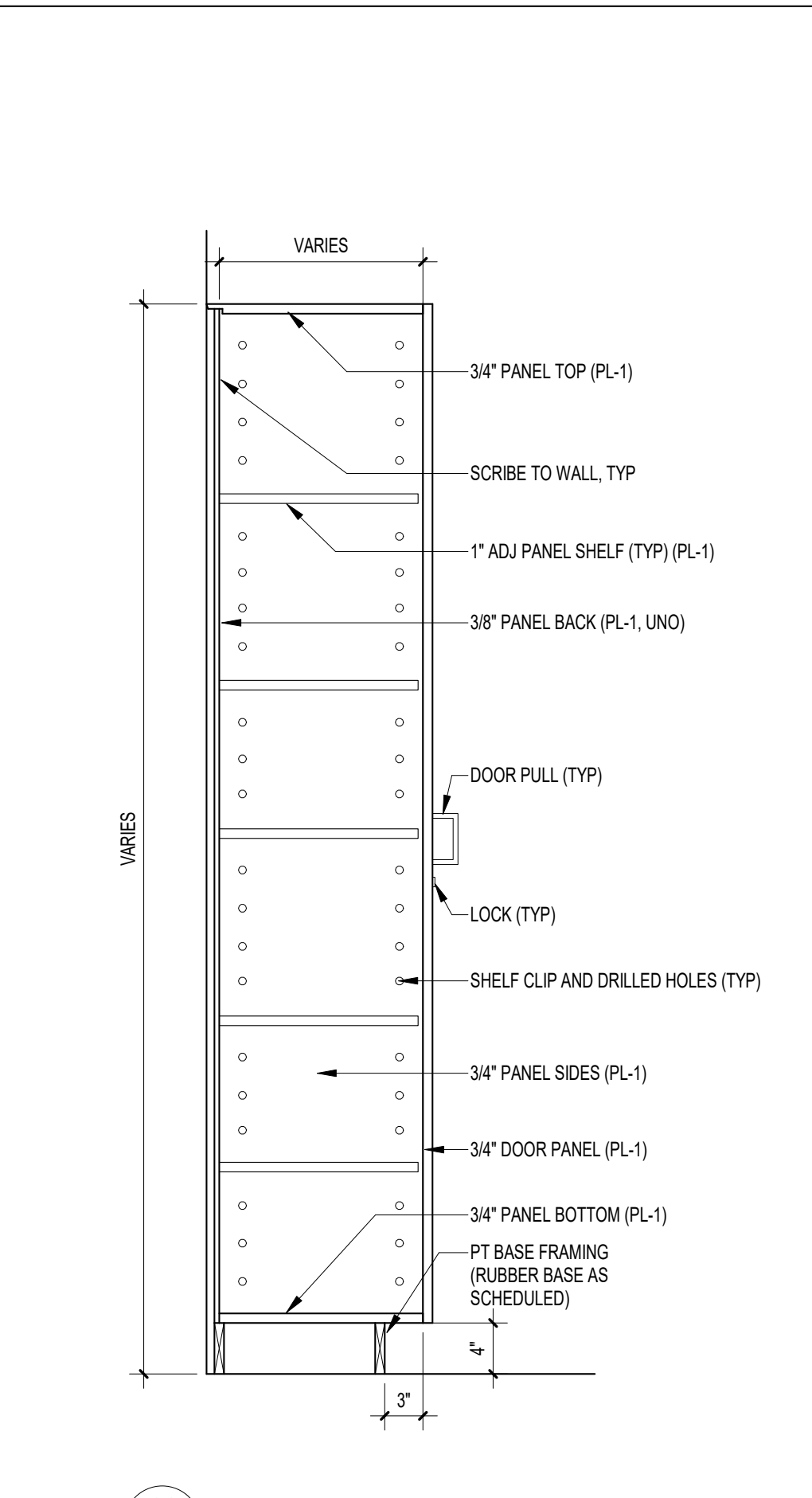
8 TYP. POSTER/STORAGE CABINET (ELEV)
A722 1" = 1'-0"



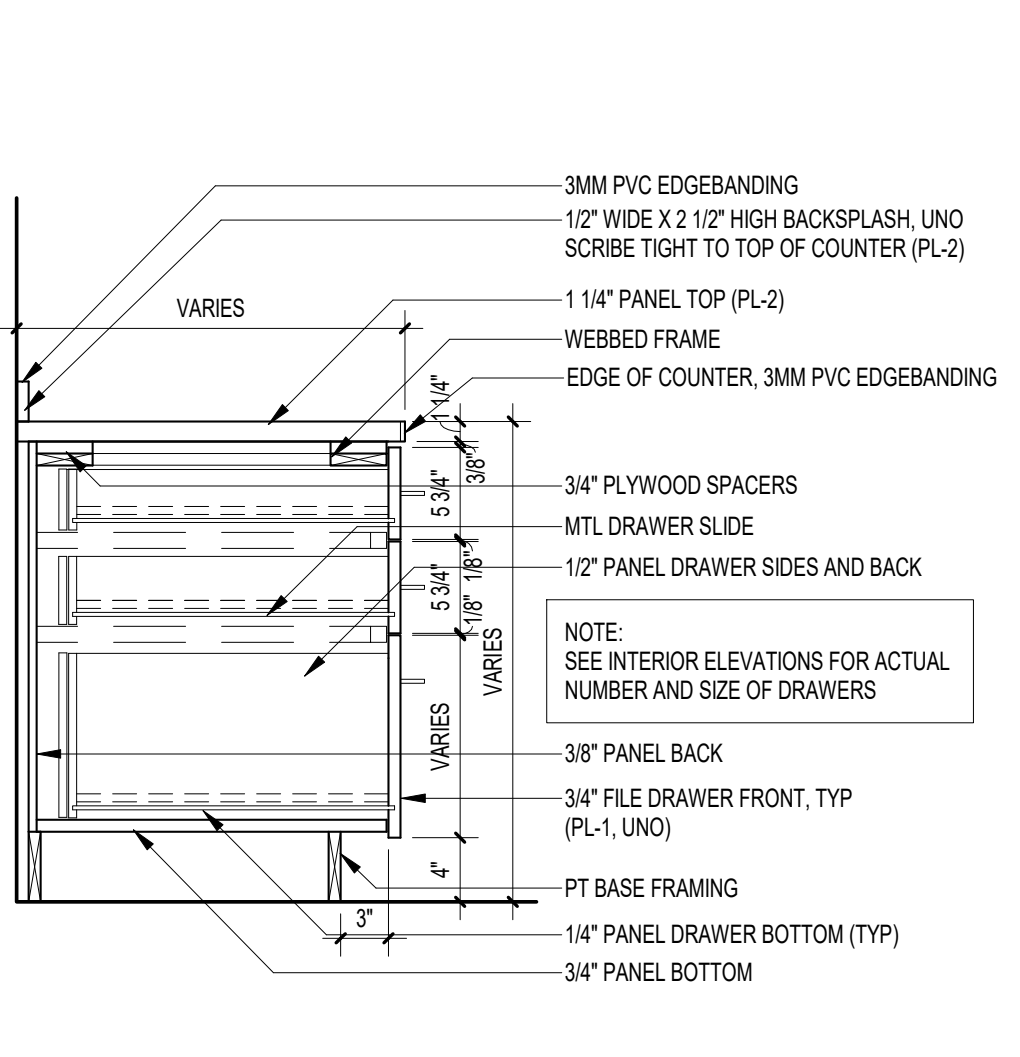
9 TYP. POSTER/STORAGE CABINET (INTERIOR ELEV)
A722 1" = 1'-0"



10 TYP. POSTER/STORAGE CABINET - SECTION
A722 1" = 1'-0"

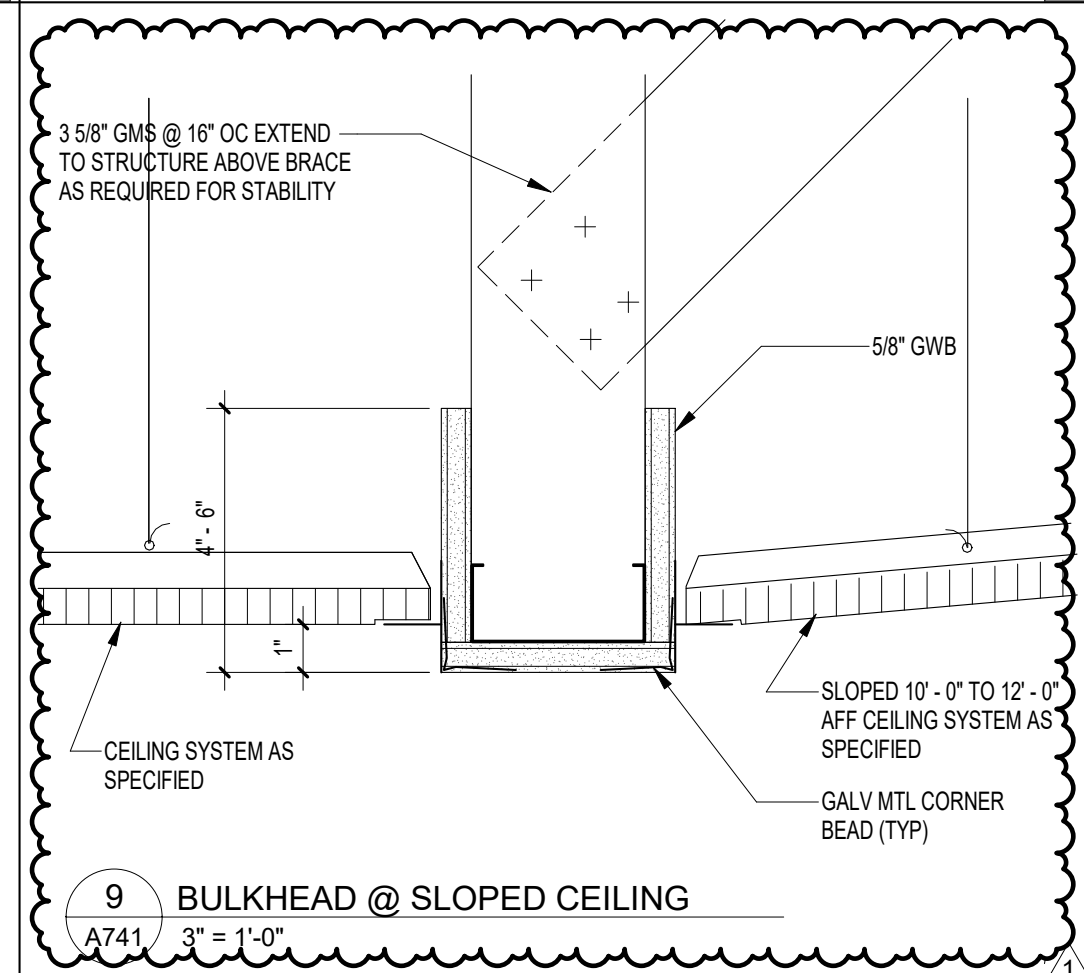
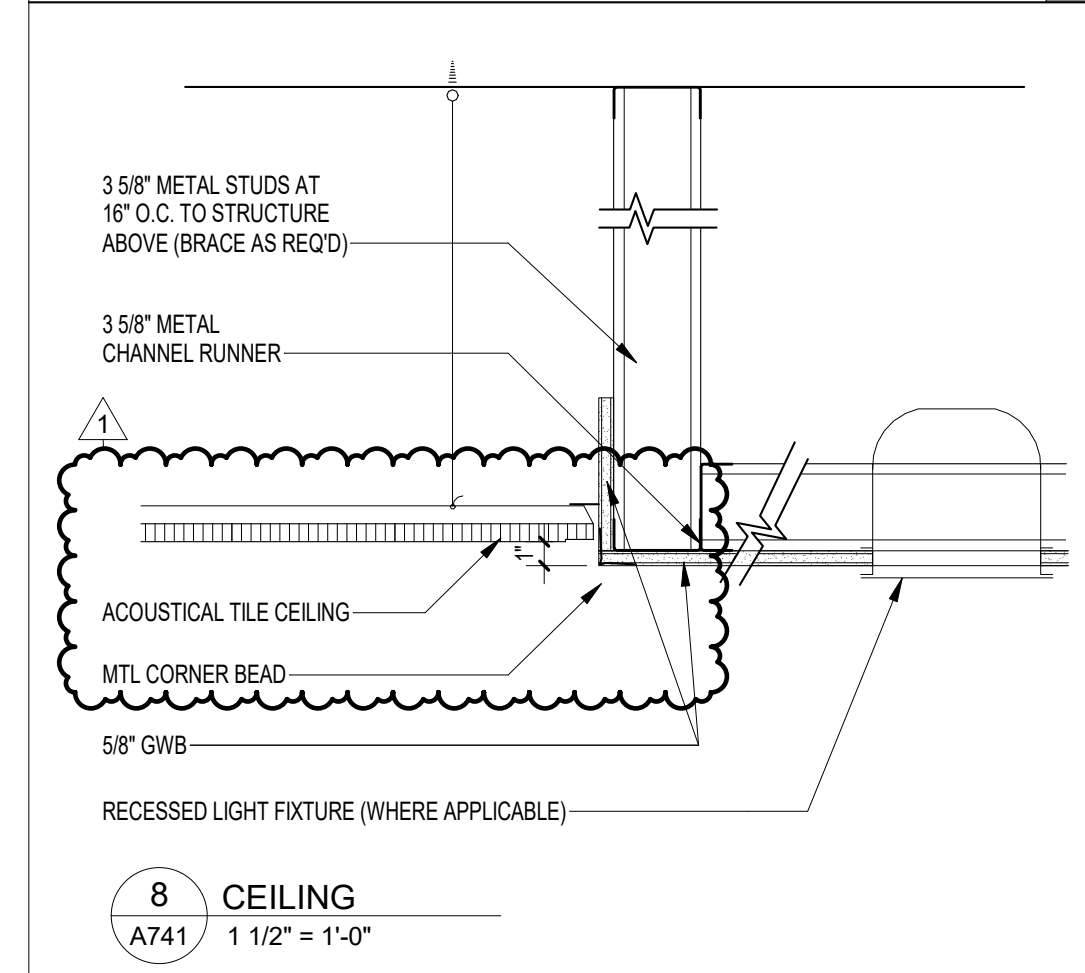
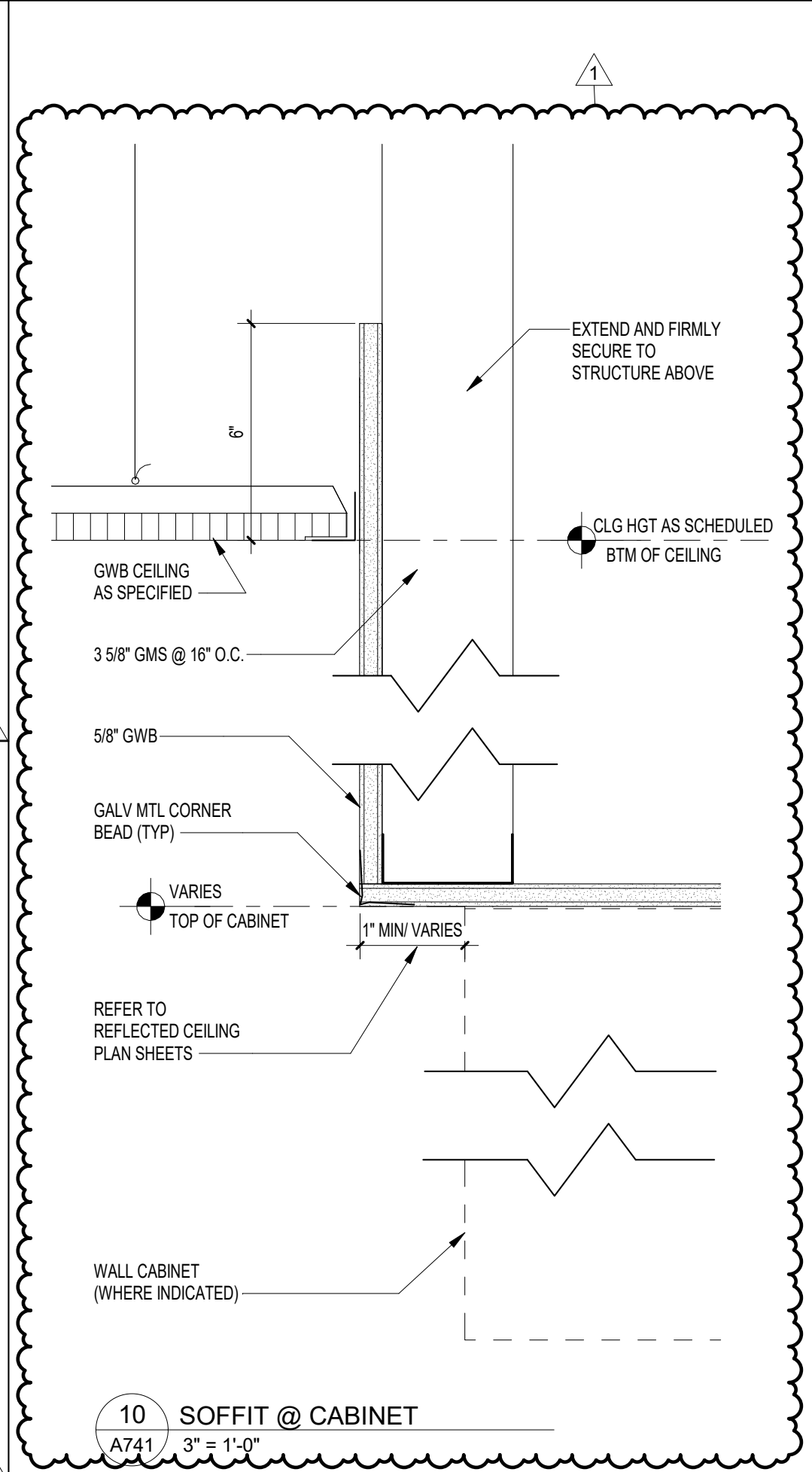
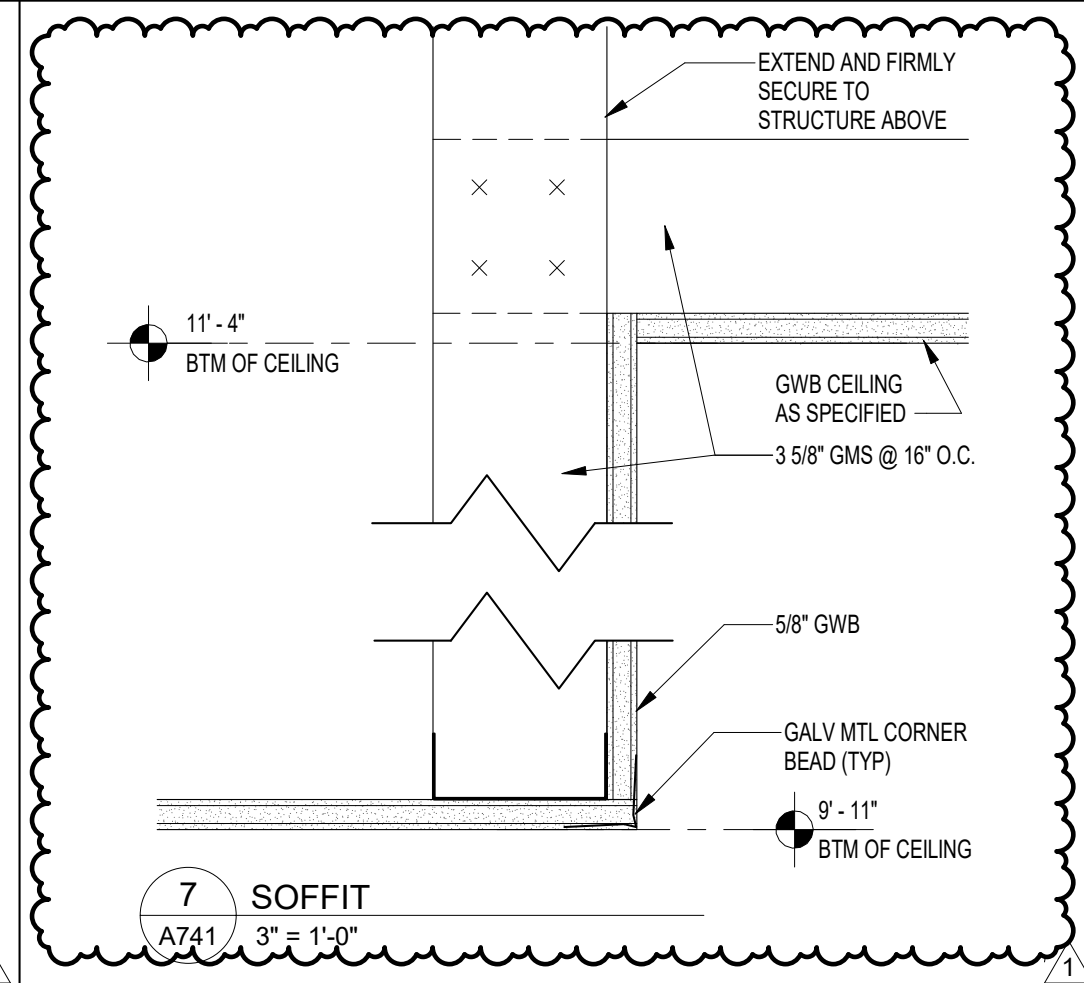
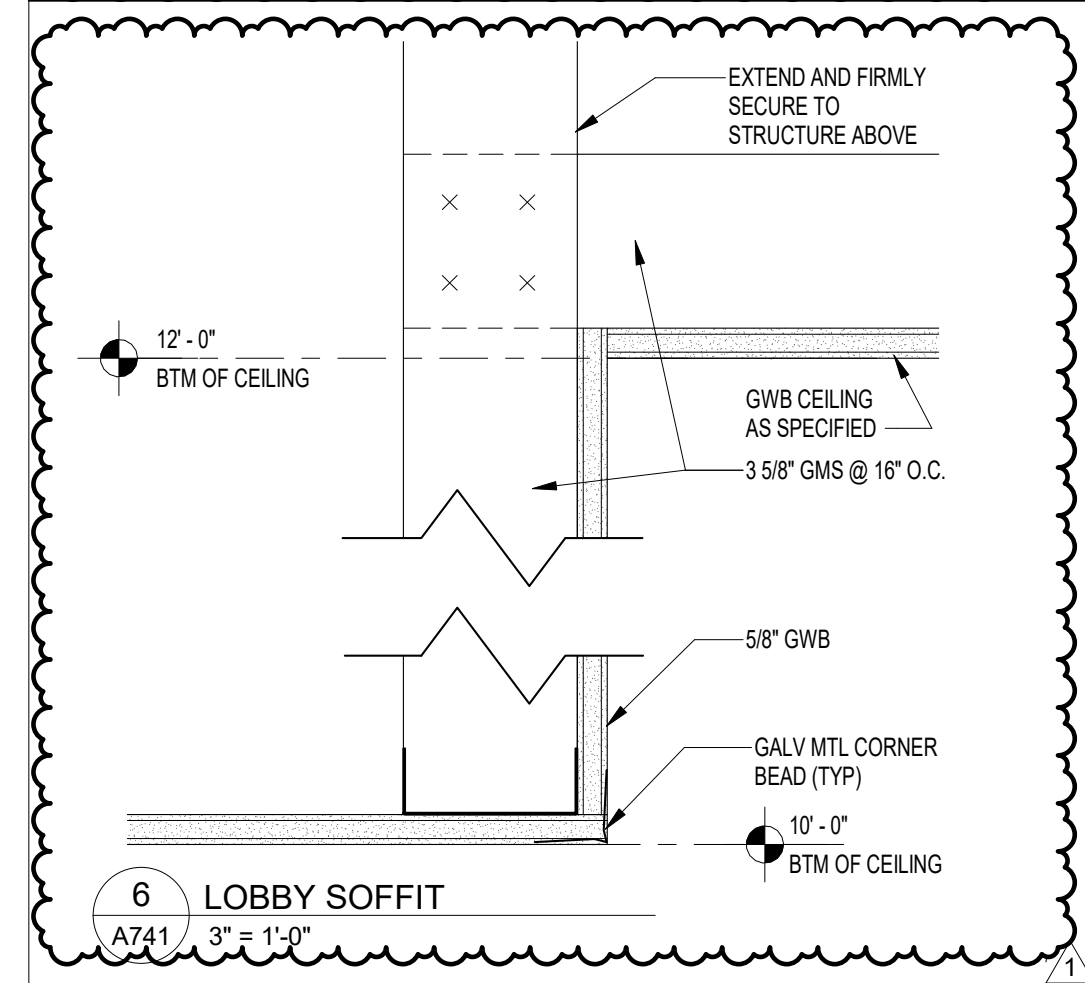
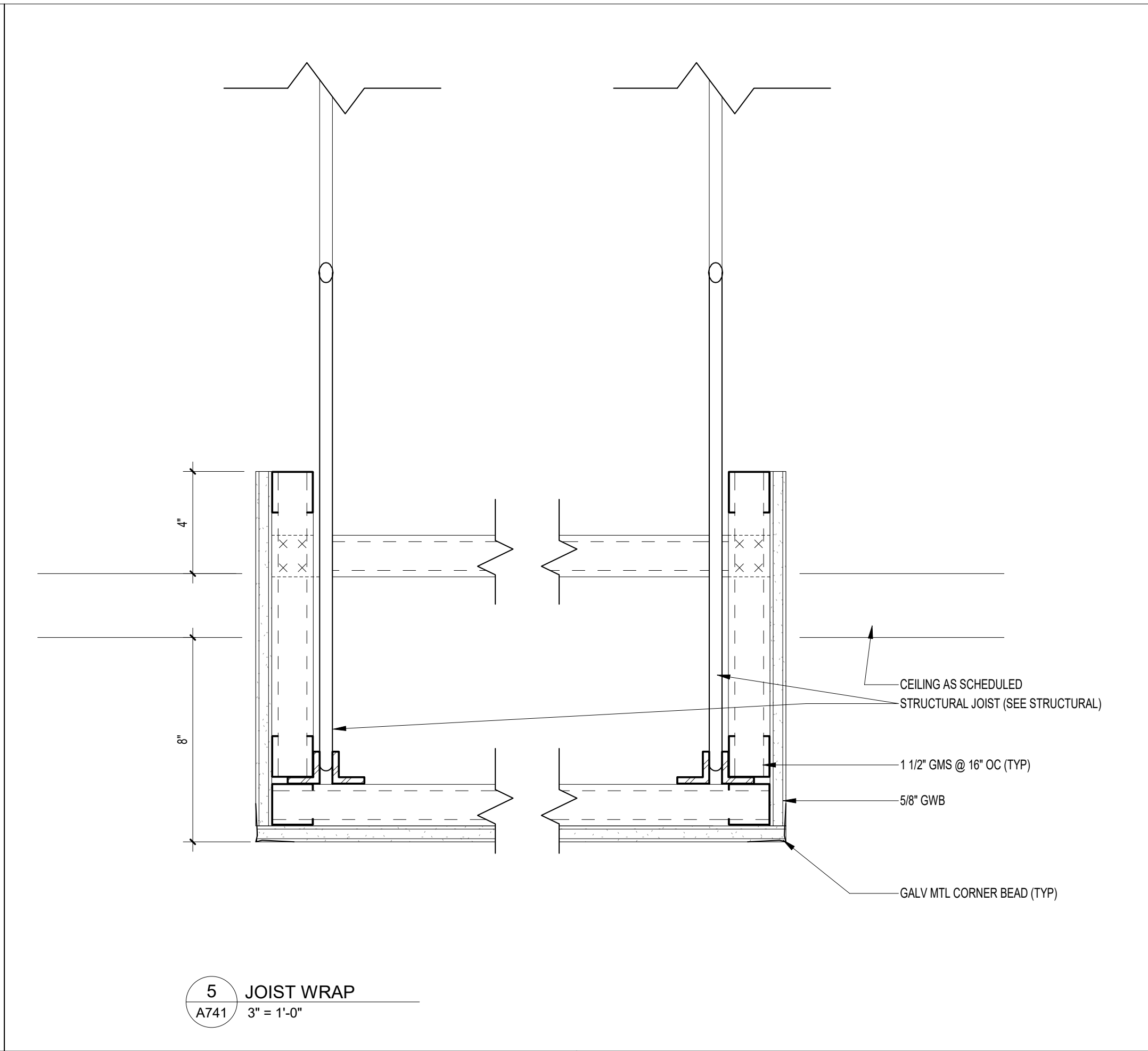
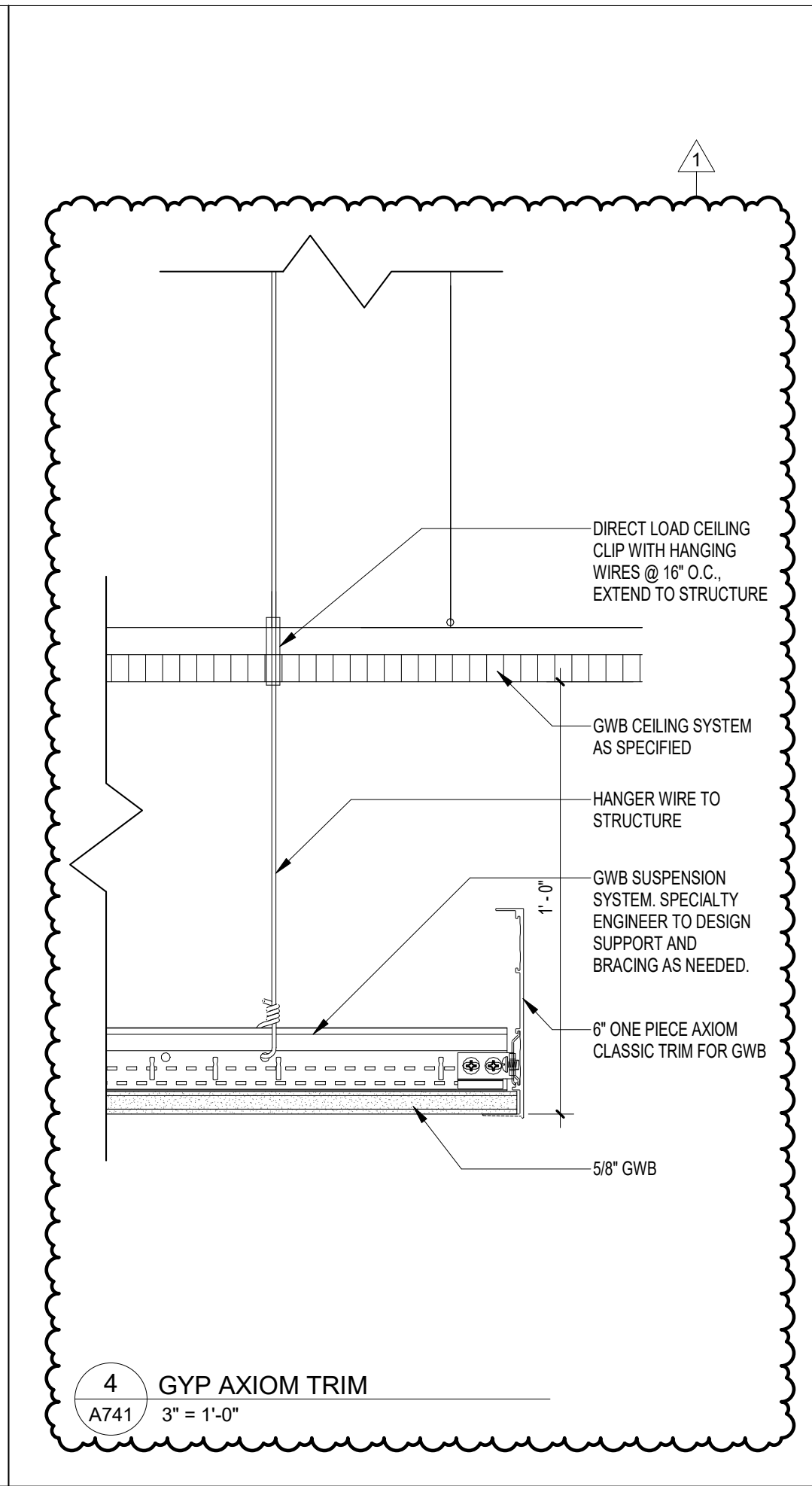
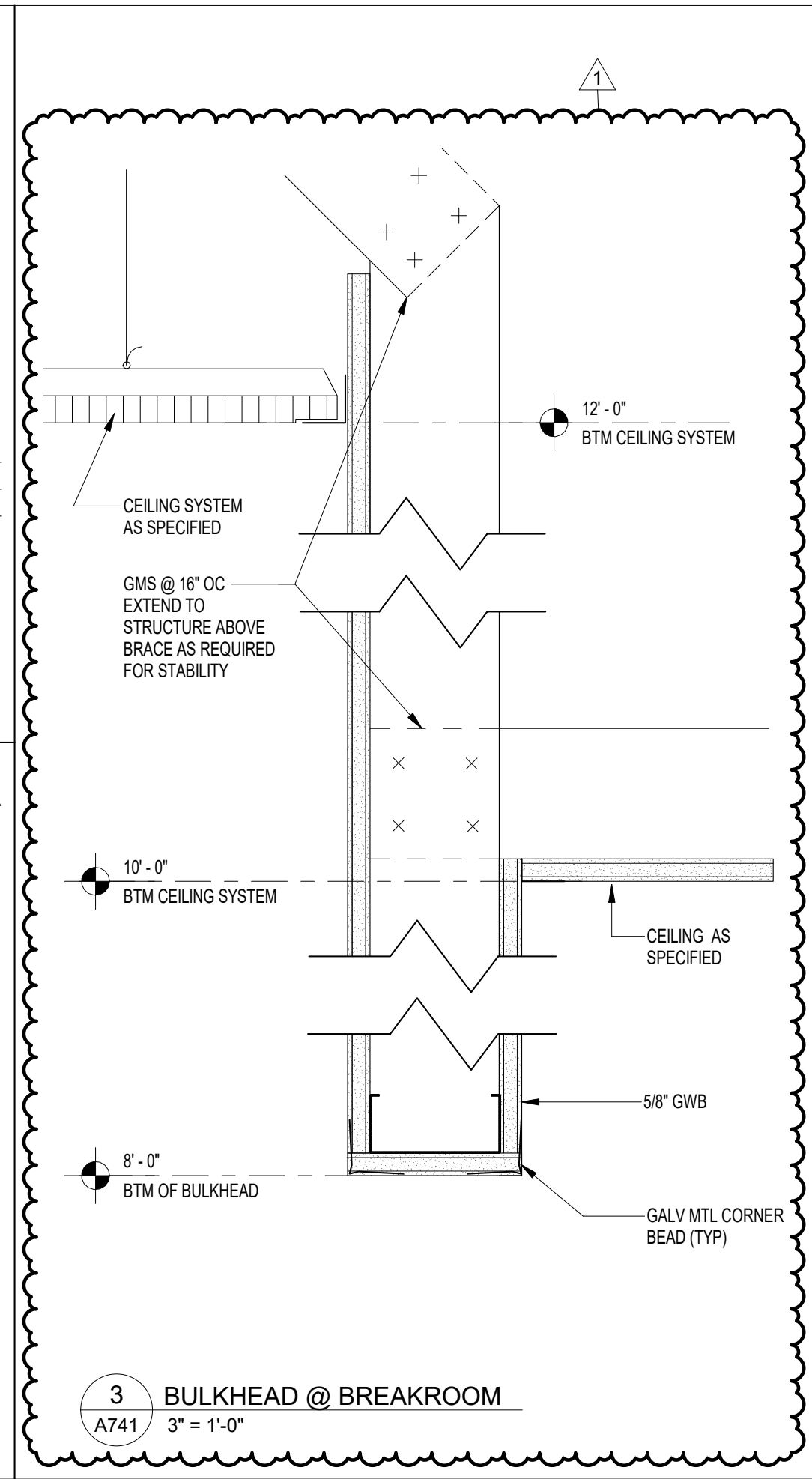
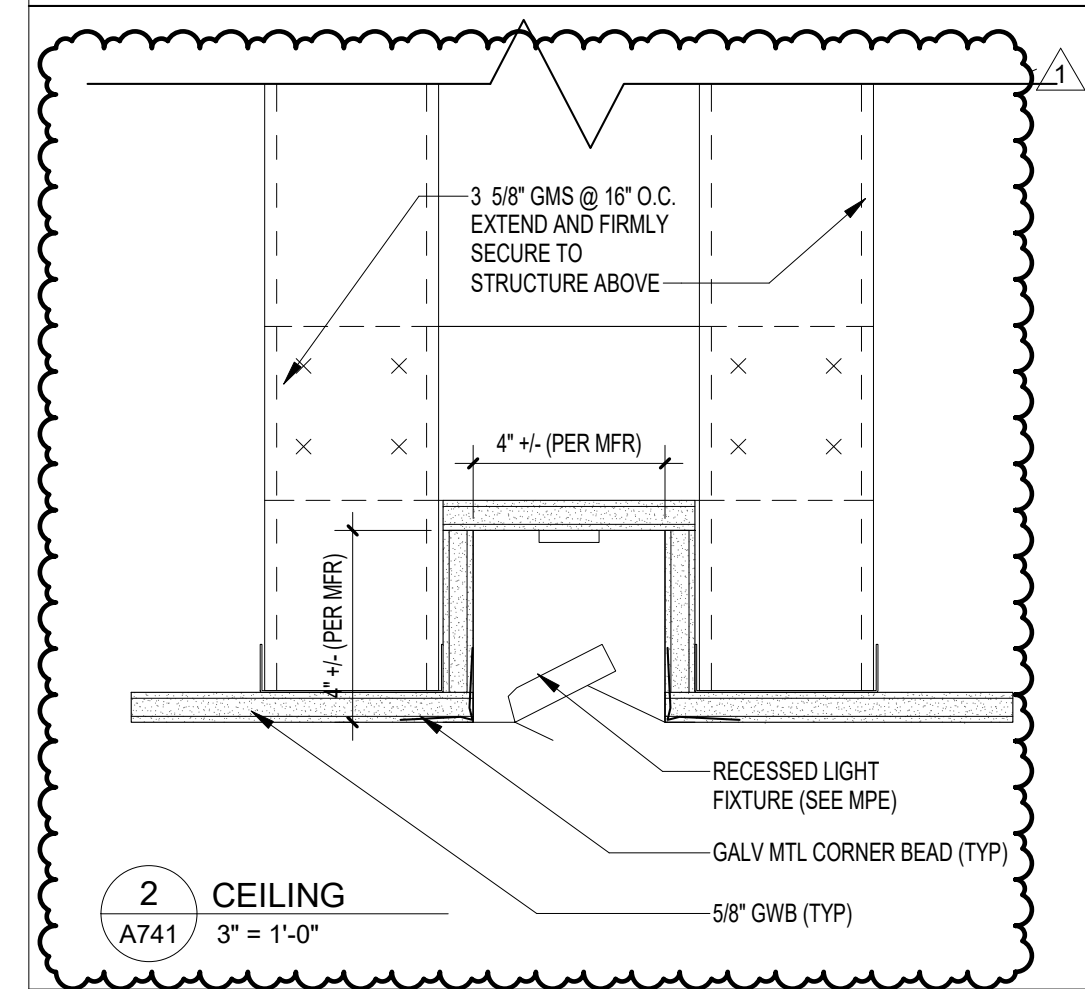
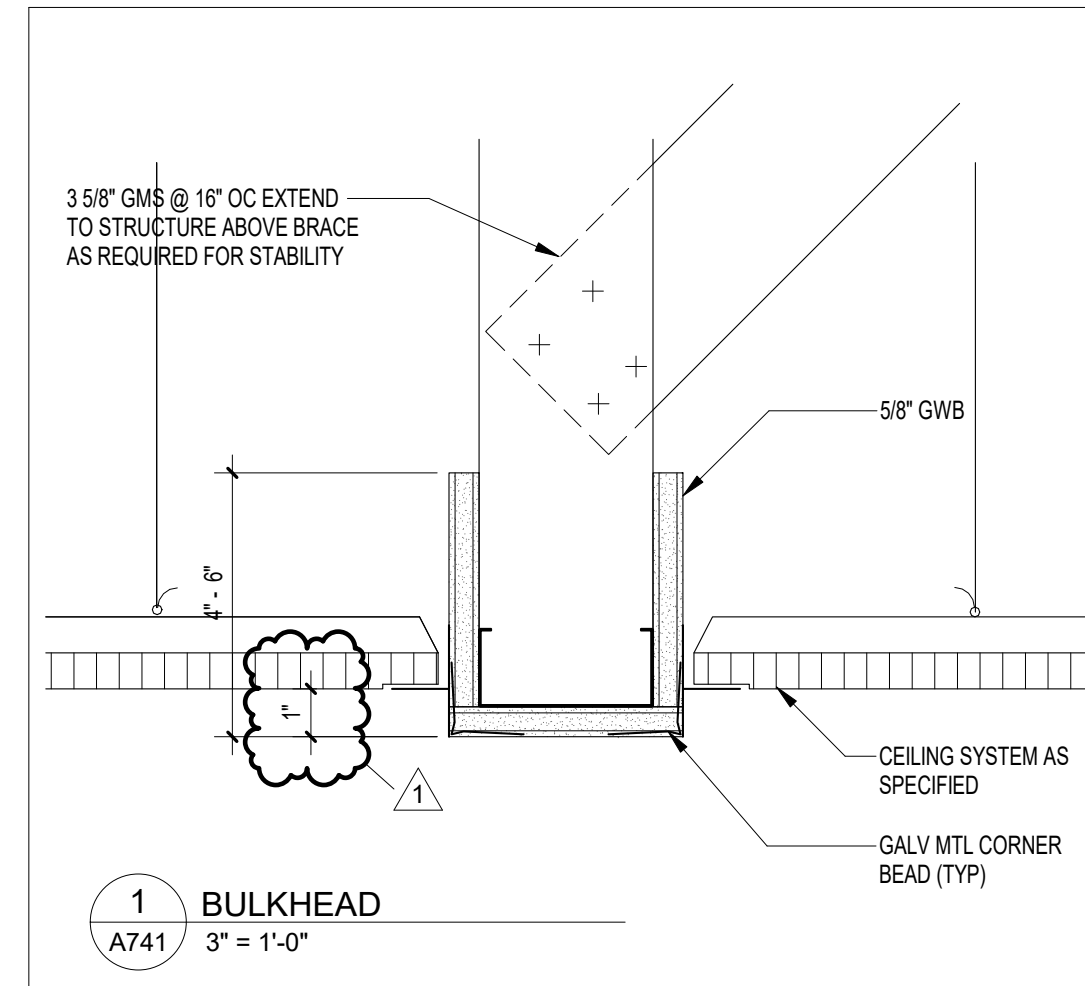


11 TYP. TALL STORAGE CABINET
A722 1" = 1'-0"



7 BASE FILE DRAWER SIM
A722 1" = 1'-0"

NOTE:
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PROJECT PHASE
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DATE	DRAWN BY
08 APRIL 2019	RMP
PROJECT NO	CHECKED BY
68100	SKC

SHEET TITLE
CEILING DETAILS

SHEET NO	REV NO
A741	1

MECHANICAL KEYNOTES (continued)

- 15 PROVIDE ISOLATION BUTTERFLY VALVES ON SECONDARY SUPPLY AND RETURN LINES TO DISTRICT OFFICE BUILDING AND TO FUTURE EPICENTER BUILDING.
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- 17 HEATING HOT WATER & CHILLED WATER MAKE-UP WATER STATION, AIR & DIRT SEPARATOR AND EXPANSION TANKS - SEE DETAIL HM502
- 18 CONDENSING BOILER - SEE DETAIL FM501 & EM502
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- 21 PROVIDE DUCT TRANSITION WITH LEVEL TOP TO MAINTAIN TOP OF DUCT ELEVATION.
- 22 SEAL ALL DUCT AND PIPE PENETRATIONS THROUGH NON-RATED WALL IN THIS ROOM.

COORDINATION NOTES

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- 2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC LOCATIONS OF CEILING MOUNTED DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING MOUNTED DEVICES IN THE SAME SPACE. IF A DEVICE'S LOCATION IS NOT CLEARLY INDICATED OR THERE IS A CONFLICT WITHIN THE CONTRACT DOCUMENTS NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
- 3. LOCATION OF WALL AND FLOOR MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DEVICES. WHERE NOT INDICATED ON ARCHITECT'S PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- 4. AT EXTERIOR LOCATIONS AND IN SPACES WITH EXPOSED STRUCTURE EXPOSED UTILITIES (INCLUDING PIPING, DUCTWORK, RACEWAYS, ETC.) SHALL BE INSTALLED NEATLY, BUNDLED TOGETHER TO EXTENT POSSIBLE AND RUN AT RIGHT ANGLES TO BUILDING LINES. THESE UTILITIES SHALL BE PAINTED TO MATCH ADJACENT SURFACE OR AS DIRECTED BY ARCHITECT. HANGERS, STEEL SHAPES AND SLOTTED STEEL SUPPORTS SHALL BE PAINTED TO MATCH RACEWAY OR AS DIRECTED BY ARCHITECT. TO EXTENT POSSIBLE CONTRACTOR SHALL AVOID EXPOSED RACEWAYS BY INSTALLING UTILITIES BELOW GRADE, IN WALL, OR ABOVE ADJACENT CONCEALED CEILING SPACES.
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- 6. PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR OR GROUND MOUNTED EQUIPMENT WITH #4 REBAR 8" O.C. EACH WAY AND 1" CHAMFERED TOP EDGE. PADS ON CONCRETE SLAB SHALL BE 4" HIGH AND DOWELED INTO SLAB WITH #4 REBAR EXTENDING 2" INTO PAD, 3" INTO SLAB AND EPOXIED IN PLACE AND SPACED 12" O.C. AROUND PERIMETER OF PAD. PADS ON EARTH SHALL BE MINIMUM 6" THICK AND LAYED OUT TO EXTEND A MINIMUM OF 4" ABOVE GRADE AT HIGHEST GRADE LEVEL, COMPACT EARTH BELOW PAD PRIOR TO PAD CONSTRUCTION.

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- 3. PROVIDE MINIMUM 12" HIGH PLENUM LINED WITH 1" THICK INSULATION ON TOP OF CEILING MOUNTED RETURN AND EXHAUST AIR GRILLES (WXL TO MATCH GRILLE).
- 4. PROVIDE IDENTIFICATION STICKERS (1/2" ROUND) ON GRID WHERE VALVES OR TERMINAL UNITS ARE LOCATED ABOVE ACCESSIBLE CEILINGS.
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- 6. PENETRATIONS OF 1-HOUR FIRE BARRIER BY FULLY DUCTED SYSTEM DO NOT REQUIRE INSTALLATION OF A FIRE DAMPER PER FMC 607.5.2 BUT SHALL BE INSTALLED PER DETAIL AM503 OR SIMILAR UL LISTED PENETRATION. PENETRATIONS OF 1-HOUR FIRE BARRIER BY TRANSFER DUCTS SHALL BE PROVIDED WITH A FIRE DAMPER PER DETAIL FM503.

MECHANICAL KEYNOTES

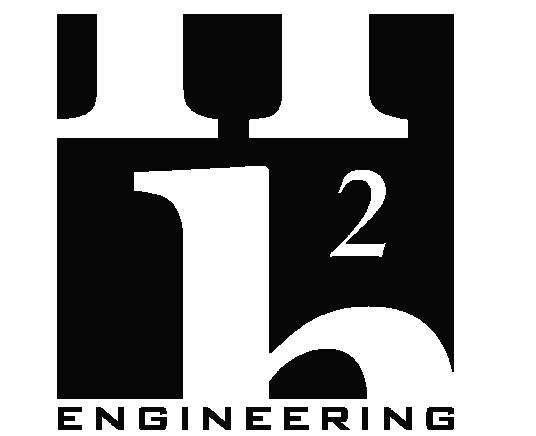
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- 13 AIR COOLED CHILLER - SEE DETAIL AM501 & EM501
- 14 VERTICAL INLINE PRIMARY PUMP - SEE DETAIL BM501



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architect)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
LICENSE # AC 000407 # 0000153

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2" SCALE NOTED ON THESE DRAWINGS.



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Florida Registry #4885
Jeffrey L. Tyler, P.E. #57093
Jeffrey L. Tyler, State of Florida
Professional Engineer, License No. 57093

This item has been digitally signed and sealed by Jeffrey L. Tyler, P.E. on the date indicated here.

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Date: 02/10/2025

**WCSD EDUCATIONAL
ANCILLARY FACILITIES -
DISTRICT OFFICE**

RECEIVED
ALLSTATE CONSTRUCTION
02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE	DRAWN BY
15 JANUARY 2025	JDR
PROJECT NO	CHECKED BY
48100	JLT

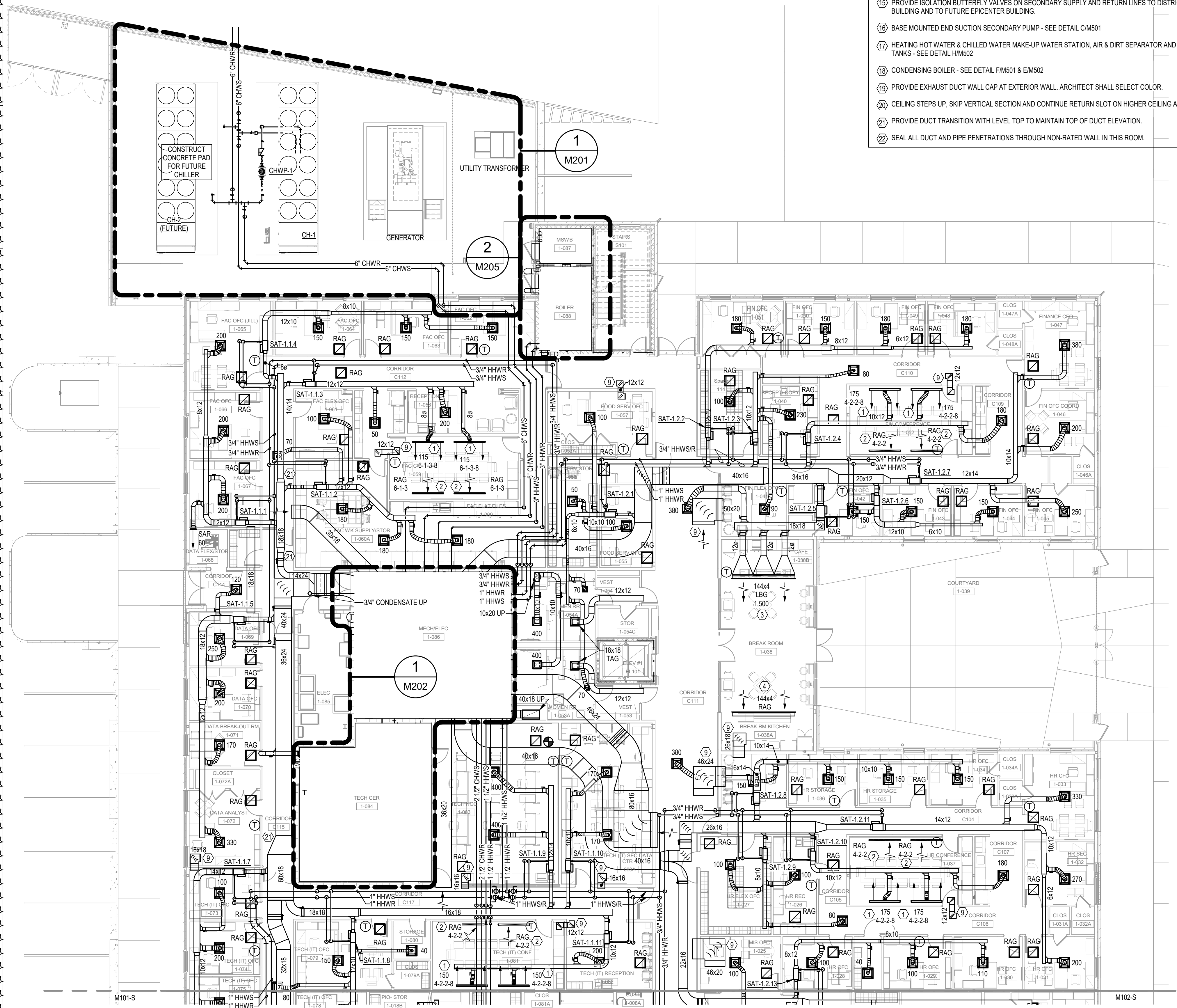
**FIRST FLOOR PLAN
NORTH**

SHEET NO	REV NO
M101-N	

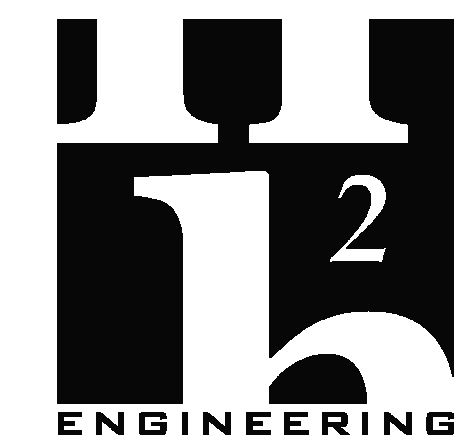
2/10/2025 4:29:30 PM



FIRST FLOOR PLAN - NORTH
3/32" = 1'-0"



NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2 THE SCALE NOTED ON THESE DRAWINGS.



HSE PROJECT No. 17-17
114 EAST 5TH AVENUE TALLAHASSEE, FL 32303 PHONE 850.224.7922 www.hseengineering.com

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15 JANUARY 2025	JDR
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FIRST FLOOR PLAN SOUTH

SHEET NO	REV NO
M101-S	

- MECHANICAL KEYNOTES (continued)**
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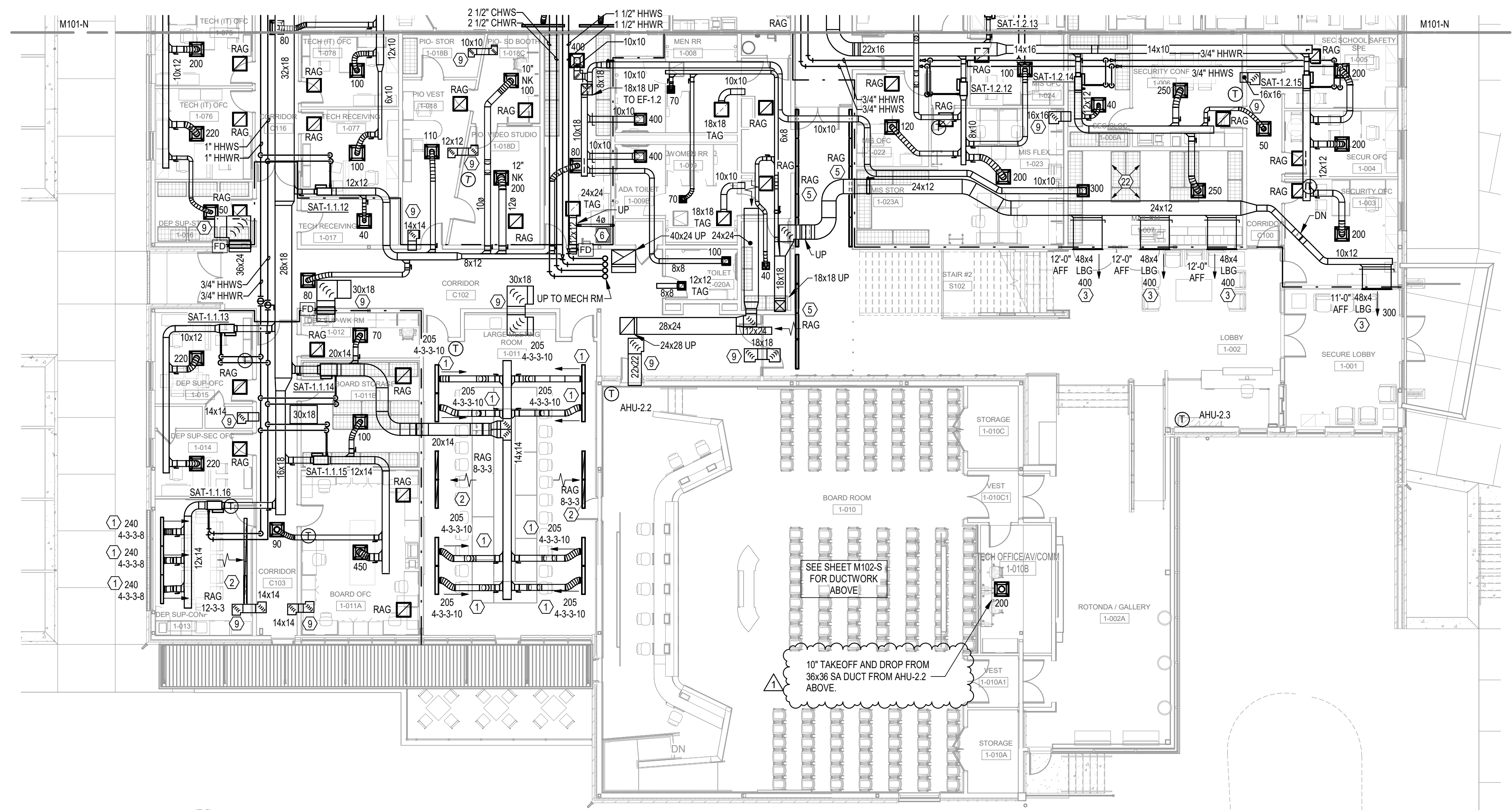
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FIRST FLOOR PLAN - SOUTH
3/32" = 1'-0"
NORTH

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- 5. PROVIDE ACCESS PANELS IN CEILING WHERE ANY DEVICE OR EQUIPMENT REQUIRING SERVICE (INCLUDING DAMPERS, VALVES, JUNCTION BOXES, CONTROLLERS, SMOKE DETECTORS, ETC.) IS LOCATED ABOVE OR BEHIND AN INACCESSIBLE CEILING OR WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR APPROPRIATE UL LABEL. COORDINATE LOCATION AND TYPE OF ACCESS PANEL WITH ARCHITECT PRIOR TO INSTALLATION.
- 6. PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR OR GROUND MOUNTED EQUIPMENT WITH #4 REBAR 8" O.C. EACH WAY AND 1" CHAMFERED TOP EDGE. PADS ON CONCRETE SLAB SHALL BE 4" HIGH AND DOWELED INTO SLAB WITH #4 REBAR EXTENDING 2" INTO PAD, 3" INTO SLAB AND EPOXIED IN PLACE AND SPACED 12" O.C. AROUND PERIMETER OF PAD. PADS ON EARTH SHALL BE MINIMUM 6" THICK AND LAYED OUT TO EXTEND A MINIMUM OF 4" ABOVE GRADE AT HIGHEST GRADE LEVEL; COMPACT EARTH BELOW PAD PRIOR TO PAD CONSTRUCTION.

MECHANICAL GENERAL NOTES

- 1. PROVIDE EXTERIOR LOUVERS WITH NECESSARY TRIM KIT TO RECESS LOUVER INTO FINISH MASONRY SURFACE. SEAL ANY REMAINING OPENING AROUND PERIMETER. SEE STRUCTURAL DRAWINGS FOR LOCATION OF LINTELS, BOND BEAMS AND REINFORCING AND COORDINATE ACCORDINGLY. LOUVERS IN MASONRY CONSTRUCTION SHALL BE DIMENSIONED IN BRICK COURSING (MODULES OF 4" x 8" H); IF DIMENSION ON PLANS IS NOT BRICK COURSING ROUND UP TO NEXT LARGER COURSING MODULE. PROVIDE MINIMUM 24" DEEP (WH) TO MATCH LOUVER) INSULATED SHEET METAL PLENUM WITH BOTTOM SLOPED TO DRAIN ON INTERIOR SIDE OF LOUVERS.
- 2. PROVIDE MINIMUM 24" HIGH DOUBLE WALL, FULLY WELDED, INSULATED ROOF CURBS WITH 2x4 PRESSURE TREATED NAILER FOR ALL ROOF MOUNTED EQUIPMENT. HEIGHT SHALL BE EXTENDED BEYOND 24" AS NECESSARY FOR INSULATION THICKNESS AND PROPER FLASHING AS DETERMINED BY ROOFING CONTRACTOR. CURB SHALL BE RATED FOR WIND SPEED AND EXPOSURE CATEGORY FOR PROJECT LOCATION PER FLORIDA BUILDING CODE. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ATTACHMENT SIGNED & SEALED BY STRUCTURAL ENGINEER LICENSED IN FLORIDA. ATTACHMENT SHALL BE THE MORE STRINGENT REQUIREMENT AS DETERMINED BY ENGINEER OR THE FOLLOWING:
 - A. PROVIDE #10 TEK SCREWS (METAL DECK) OR 1/4" TAPCONS (CONCRETE DECK) AT MAXIMUM 24" O.C. (MINIMUM 2 EACH SIDE) AROUND PERIMETER TO SECURE CURB TO ROOF. PROVIDE MGM STANDARD CLIPS MAXIMUM 36" O.C. (MINIMUM 1 EACH SIDE) TO SECURE EQUIPMENT TO CURB WITH #10 TEK SCREWS ON EACH SIDE OF CLIP.
- 3. PROVIDE MINIMUM 12" HIGH PLENUM LINED WITH 1" THICK INSULATION ON TOP OF CEILING MOUNTED RETURN AND EXHAUST AIR GRILLES (W/L TO MATCH GRILLE).
- 4. PROVIDE IDENTIFICATION STICKERS (1/2" ROUND) ON GRID WHERE VALVES OR TERMINAL UNITS ARE LOCATED ABOVE ACCESSIBLE CEILINGS.
- 5. ABOVE GROUND HYDRONIC PIPING SHALL BE METAL PER SPECIFICATION 232113.12 ABOVE GROUND METAL HYDRONIC PIPING; BELOW GRADE HYDRONIC PIPING MAY BE PLASTIC PER SPECIFICATION 232113.15 "UNDERGROUND PLASTIC HYDRONIC PIPING".
- 6. PENETRATIONS OF 1-HOUR FIRE BARRIER BY FULLY DUCTED SYSTEM DO NOT REQUIRE INSTALLATION OF A FIRE DAMPER PER FM 607.5.2 BUT SHALL BE INSTALLED PER DETAIL AM503 OR SIMILAR UL LISTED PENETRATION. PENETRATIONS OF 1-HOUR FIRE BARRIER BY TRANSFER DUCTS SHALL BE PROVIDED WITH A FIRE DAMPER PER DETAIL FM503.

MECHANICAL KEYNOTES

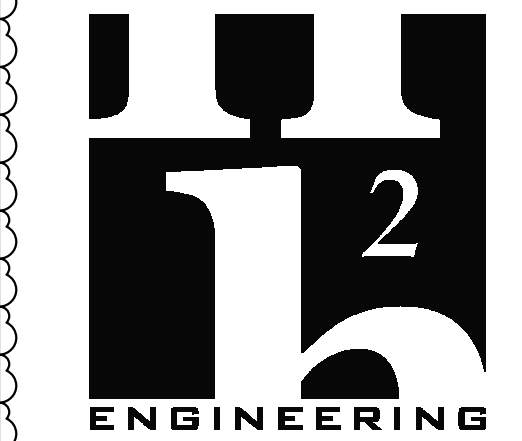
- 1 PROVIDE SLOT SUPPLY DIFFUSER WITH FLANGE PLASTER FRAME, CONCEALED MOUNTING MOUNTING AND SQUARE PLENUM. WHERE INSTALLED IN LAY-IN CEILING PROVIDE TEGULAR LAY IN FRAME. DEVICES LONGER THAN 2'-0" SHALL BE PROVIDED WITH CONTINUOUS SLOTS WITH OUTSIDE FRAME AND MITERED CORNERS. WHERE PLENUM LENGTH EXCEEDS 4'-0" PROVIDE CUSTOM PLENUM. LENGTH, INLET SIZE, NUMBER OF SLOTS AND SLOT WIDTH INDICATED ON PLANS. PRICE, SDS (TYPE 7 OR TYPE 17) SDB OR APPROVED EQUAL - SEE DETAIL EM503.
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- 5 PROVIDE CONTINUOUS ARCHITECTURAL SLOT GRILLE ALONG EDGE OF CEILING WITH 1 - 2" SLOT. FOR SUPPLY SECTIONS PROVIDE JET THROW, VERTICAL PATTERN AND SUPPLY PLENUM WITH FOAM INSULATION (CFP). FOR RETURN SECTIONS PROVIDE FULLY OPEN SLOT AND RETURN AIR SIGHT BAFFLE. WHERE TERMINATING AT A WALL PROVIDE FLUSH END, OTHERWISE PROVIDE MITERED ENDS AND OR CORNERS. PROVIDE EXPOSED FRAME (EF) WITH CONCEALED MOUNTING CLIP (MP-DR). PRICE, CFJS OR APPROVED EQUAL - SEE DETAIL DM503.
- 6 IN WALL DRYER VENT BOX
- 7 NOT USED.
- 8 GRADE GROUND LEVEL INSIDE UTILITY YARD AND TREAT SOIL WITH WEED KILLER. PROVIDE TWO LAYERS OF WEED CLOTH LAID WITH SEAMS AT 90 DEGREES TO ONE ANOTHER AND COVER WITH MINIMUM 3" THICK LAYER OF #7 GRAVEL FROM EDGE OF EQUIPMENT PADS TO YARD WALLS.
- 9 INTERNALLY LINED TRANSFER AIR DUCT ABOVE CEILING WITH ELBOWS.
- 10 NOT USED.
- 11 AIR COOLED CHILLER AND PRIMARY PUMP TO BE INSTALLED AS PART OF THIS PROJECT.
- 12 AIR COOLED CHILLER AND PRIMARY PUMP TO BE INSTALLED AS PART OF FUTURE EPICENTER PROJECT. PIPING UP TO ISOLATION VALVES AS INDICATED TO BE INSTALLED AS PART OF THIS PROJECT.
- 13 AIR COOLED CHILLER - SEE DETAIL AM501 & EM501
- 14 VERTICAL INLINE PRIMARY PUMP - SEE DETAIL BM501



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
P: 2012-04-08 11:00 AM

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2"
THE SCALE NOTED ON THESE DRAWINGS.



H2 ENGINEERING
H2E PROJECT No. 17-17
114 EAST 5TH AVENUE TALLAHASSEE, FL
32303 PHONE 850.224.7922
www.h2engineering.com

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Florida Registry #485
Jeffrey L. Tyler, P.E. #57093
Jeffrey Lee Tyler, State of Florida
Professional Engineer, License No. 57093

This item has been digitally signed and sealed
by Jeffrey Lee Tyler, P.E. on the date
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Date: 02/10/2025

**WCSD EDUCATIONAL
ANCILLARY FACILITIES -
DISTRICT OFFICE**

RECEIVED
ALLSTATE CONSTRUCTION
02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

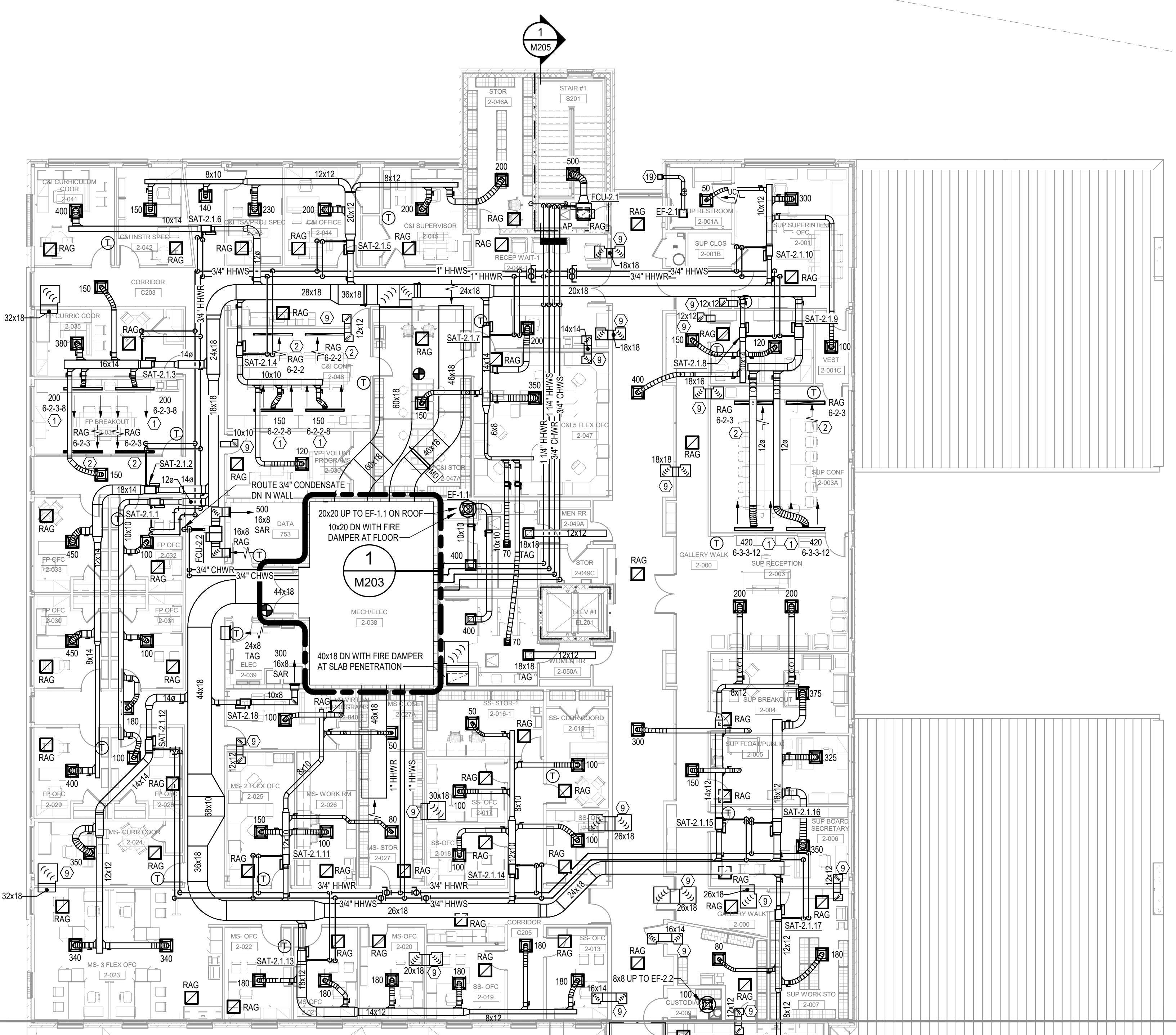
DATE	DRAWN BY
15 JANUARY 2025	JDR

PROJECT NO	CHECKED BY
08100	JLT

SHEET TITLE

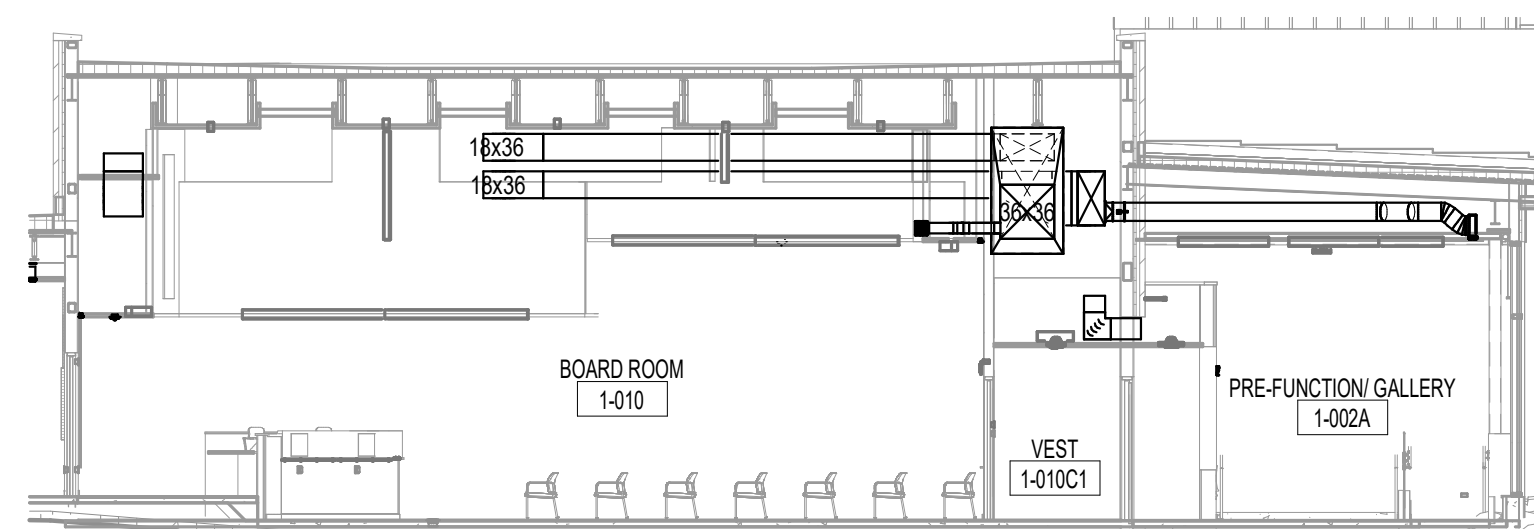
**SECOND FLOOR PLAN
NORTH**

SHEET NO	REV NO
M102-N	



SECOND FLOOR PLAN - NORTH
3/32" = 1'-0"
NORTH

2/10/2025 4:29:51 PM



1 BOARDROOM 1-010
3/32" = 1'-0"

MECHANICAL KEYNOTES (continued)

- 15 PROVIDE ISOLATION BUTTERFLY VALVES ON SECONDARY SUPPLY AND RETURN LINES TO DISTRICT OFFICE BUILDING AND TO FUTURE EPICENTER BUILDING.
- 16 BASE MOUNTED END SUCTION SECONDARY PUMP - SEE DETAIL CM501
- 17 HEATING HOT WATER & CHILLED WATER MAKE-UP WATER STATION, AIR & DIRT SEPARATOR AND EXPANSION TANKS - SEE DETAIL HM502
- 18 CONDENSING BOILER - SEE DETAIL FM501 & EM502
- 19 PROVIDE EXHAUST DUCT WALL CAP AT EXTERIOR WALL. ARCHITECT SHALL SELECT COLOR.
- 20 CEILING STEPS UP, SKIP VERTICAL SECTION AND CONTINUE RETURN SLOT ON HIGHER CEILING AS SHOWN.
- 21 PROVIDE DUCT TRANSITION WITH LEVEL TOP TO MAINTAIN TOP OF DUCT ELEVATION.
- 22 SEAL ALL DUCT AND PIPE PENETRATIONS THROUGH NON-RATED WALL IN THIS ROOM.

COORDINATION NOTES

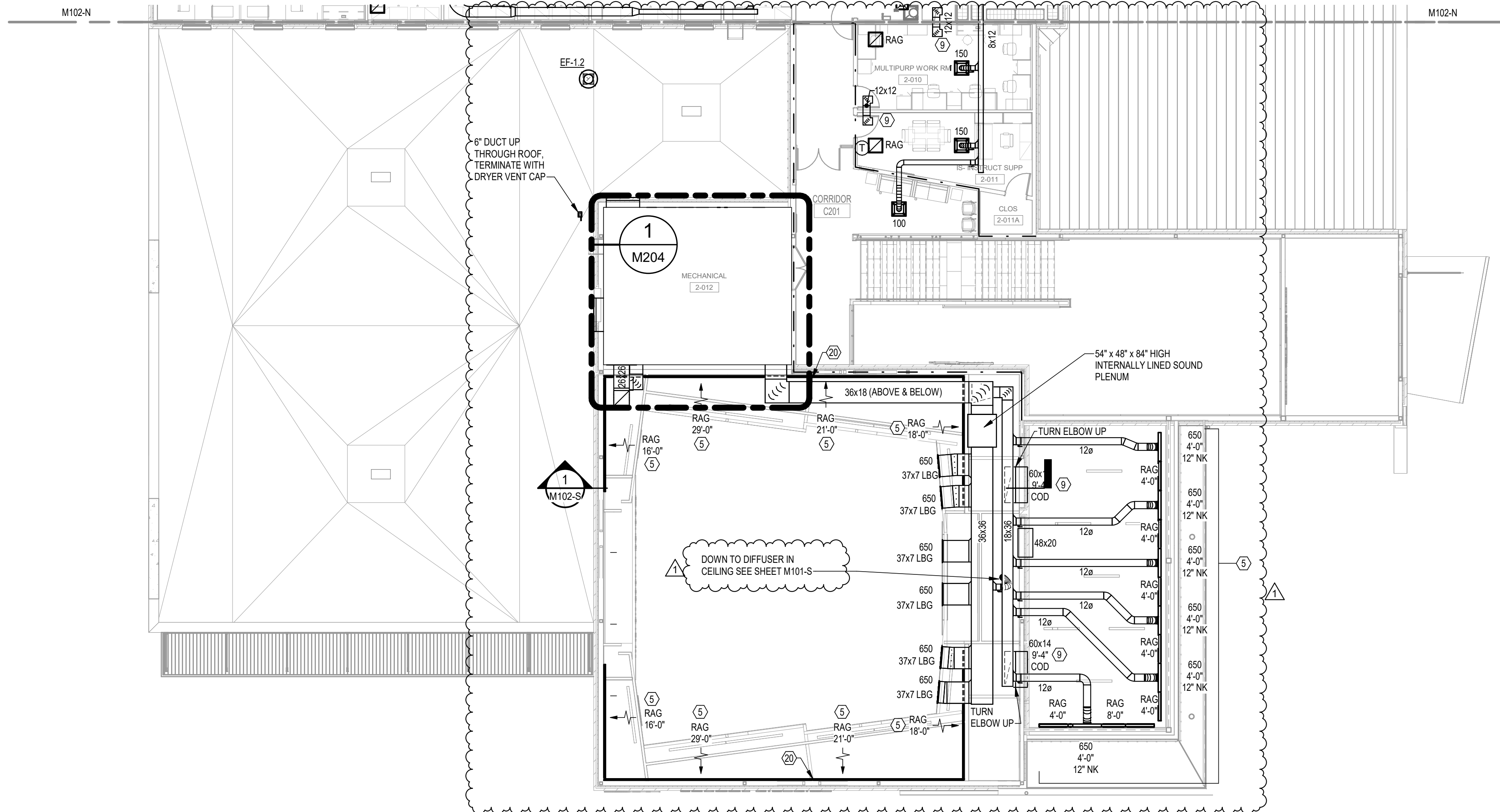
1. CONTRACTOR TO COORDINATE THE LOCATION, ALIGNMENT, ELEVATION AND/OR SPACING OF ANY EXPOSED DEVICE, FIXTURE, AND/OR PIECE OF EQUIPMENT WITH THE ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND/OR REFLECTED CEILING PLANS. DISCREPANCIES AND/OR CONFLICTS CONTAINED WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF AN EXPOSED ITEM IS NOT INDICATED ON THE ARCHITECTURAL DOCUMENTS NOTIFY THE ARCHITECT FOR CLARIFICATION OF PLACEMENT PRIOR TO INSTALLATION.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC LOCATIONS OF CEILING MOUNTED DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING MOUNTED DEVICES IN THE SAME SPACE. IF A DEVICE'S LOCATION IS NOT CLEARLY INDICATED OR THERE IS A CONFLICT WITHIN THE CONTRACT DOCUMENTS NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
3. LOCATION OF WALL AND FLOOR MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DEVICES. WHERE NOT INDICATED ON ARCHITECT'S PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
4. AT EXTERIOR LOCATIONS AND IN SPACES WITH EXPOSED STRUCTURE EXPOSED UTILITIES (INCLUDING PIPING, DUCTWORK, RACEWAYS, ETC.) SHALL BE INSTALLED NEATLY, BUNDLED TOGETHER TO EXTENT POSSIBLE AND RUN AT RIGHT ANGLES TO BUILDING LINES. THESE UTILITIES SHALL BE PAINTED TO MATCH ADJACENT SURFACE OR AS DIRECTED BY ARCHITECT. HANGERS, STEEL SHAPES AND SLOTTED STEEL SUPPORTS SHALL BE PAINTED TO MATCH RACEWAY OR AS DIRECTED BY ARCHITECT. TO EXTENT POSSIBLE CONTRACTOR SHALL AVOID EXPOSED RACEWAYS BY INSTALLING UTILITIES BELOW GRADE, IN WALL, OR ABOVE ADJACENT CONCEALED CEILING SPACES.
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MECHANICAL KEYNOTES

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- 10 NOT USED.
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- 13 AIR COOLED CHILLER - SEE DETAIL AM501 & EM501
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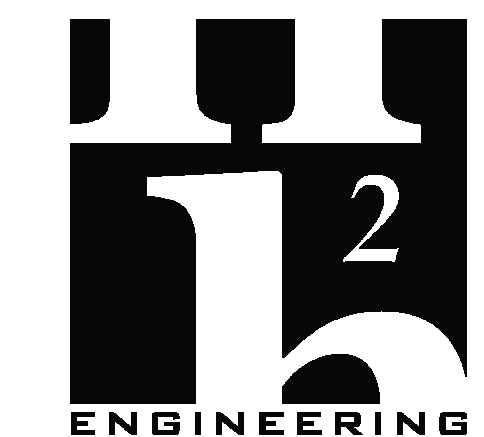
SECOND FLOOR PLAN - SOUTH
3/32" = 1'-0"
NORTH



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE, TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
LICENSE # A-000097 © 2000-13

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS.



H2E PROJECT No. 17-17
114 EAST 5TH AVENUE, TALLAHASSEE, FL
32303 PHONE 850.224.7922
www.h2engineering.com

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Florida Registry #4885
Jeffrey L. Tyler, P.E. #57093
Jeffrey Lee Tyler, State of Florida,
Professional Engineer, License No. 57093

This item has been digitally signed and sealed by Jeffrey Lee Tyler, P.E. on the date indicated here.

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Date: 02/10/2025

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ANCILLARY FACILITIES -
DISTRICT OFFICE**

RECEIVED
ALLSTATE CONSTRUCTION
02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

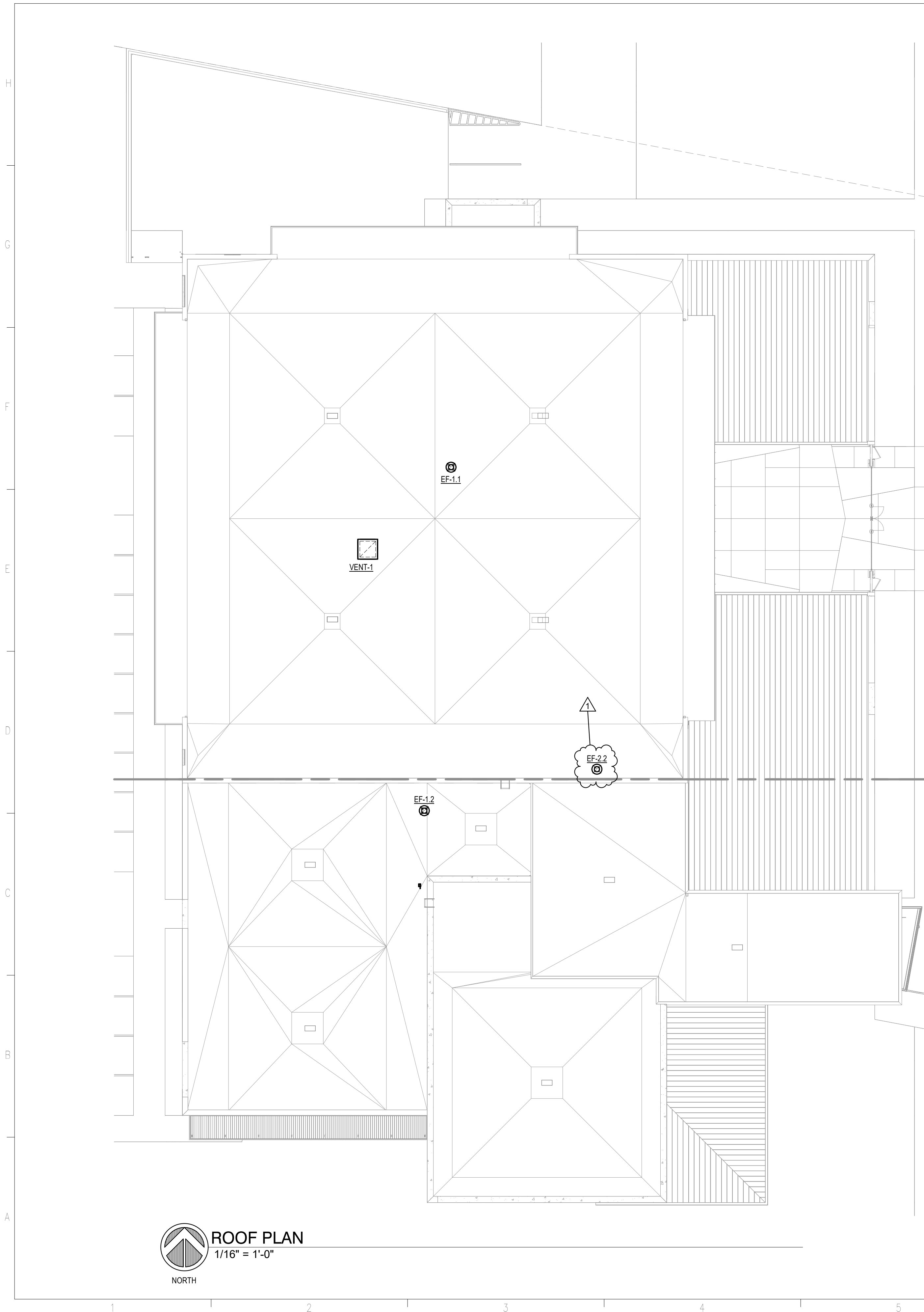
DATE	DRAWN BY
15 JANUARY 2025	JDR
PROJECT NO	CHECKED BY
68100	JLT

SHEET TITLE

**SECOND FLOOR PLAN
SOUTH**

SHEET NO	REV NO
M102-S	

2/10/2025 4:30:02 PM



ROOF PLAN
1/16" = 1'-0"
NORTH

MECHANICAL KEYNOTES (continued)

- 15 PROVIDE ISOLATION BUTTERFLY VALVES ON SECONDARY SUPPLY AND RETURN LINES TO DISTRICT OFFICE BUILDING AND TO FUTURE EPICENTER BUILDING.
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6. PENETRATIONS OF 1-HOUR FIRE BARRIER BY FULLY DUCTED SYSTEM DO NOT REQUIRE INSTALLATION OF A FIRE DAMPER PER FM503 BUT SHALL BE INSTALLED PER DETAIL A/M503 OR SIMILAR UL LISTED PENETRATION. PENETRATIONS OF 1-HOUR FIRE BARRIER BY TRANSFER DUCTS SHALL BE PROVIDED WITH A FIRE DAMPER PER DETAIL FM503.

MECHANICAL KEYNOTES

1. PROVIDE SLOT SUPPLY DIFFUSER WITH FLANGE PLASTER FRAME. CONCEALED MOUNTING MOUNTING AND SQUARE PLENUM. WHERE INSTALLED IN LAY-IN CEILING PROVIDE TEGULAR LAY IN FRAME. DEVICES LONGER THAN 2'-0" SHALL BE PROVIDED WITH CONTINUOUS SLOTS WITH OUTSIDE FRAME AND MITERED CORNERS. WHERE PLENUM LENGTH EXCEEDS 4'-0" PROVIDE CUSTOM PLENUM. LENGTH, INLET SIZE, NUMBER OF SLOTS AND SLOT WIDTH INDICATED ON PLANS. PRICE: SDS (TYPE 7 OR TYPE 17) SDB OR APPROVED EQUAL - SEE DETAIL EM503.
2. PROVIDE SLOT RETURN AIR GRILLE WITH FLANGE PLASTER FRAME. CONCEALED MOUNTING WITHOUT PLENUM. DEVICES LONGER THAN 2'-0" SHALL BE PROVIDED WITH CONTINUOUS SLOTS WITH OUTSIDE FRAME AND MITERED CORNERS. WHERE INSTALLED IN LAY-IN CEILING PROVIDE TEGULAR LAY IN FRAME. LENGTH, NUMBER OF SLOTS AND SLOT WIDTH INDICATED ON PLANS. PRICE: SDR (TYPE 7 OR TYPE 17) OR APPROVED EQUAL - SEE DETAIL EM503.
3. LINEAR BAR GRILLE, 0-DEG DEFLECTION, 3/32" BARS ON 1/4" SPACING WITH 3/4" FLANGED FRAME AND DIRECTIONAL VANES MOUNTED BEHIND GRILLE. LENGTH AND HEIGHT INDICATED ON PLANS. PRICE: LBP-15A-750 OR APPROVED EQUAL.
4. LINEAR BAR GRILLE, 0-DEG DEFLECTION, 3/32" BARS ON 1/4" SPACING WITH 3/4" FLANGED FRAME. LENGTH AND HEIGHT INDICATED ON PLANS. PRICE: LBP-15A-750 OR APPROVED EQUAL.
5. PROVIDE CONTINUOUS ARCHITECTURAL SLOT GRILLE ALONG EDGE OF CEILING WITH 1'-2" SLOT. FOR SUPPLY SECTIONS PROVIDE JET THROW, VERTICAL PATTERN AND SUPPLY PLENUM WITH FOAM INSULATION (CFI). FOR RETURN SECTIONS PROVIDE FULLY OPEN SLOT AND RETURN AIR SIGHT Baffle. WHERE TERMINATING AT A WALL PROVIDE FLUSH END, OTHERWISE PROVIDE MITERED ENDS AND OR CORNERS. PROVIDE EXPOSED FRAME (EF) WITH CONCEALED MOUNTING CLIP (MP-DR). PRICE: CFJS OR APPROVED EQUAL - SEE DETAIL DM503.
6. IN WALL DRYER VENT BOX
7. NOT USED.
8. GRADE GROUND LEVEL INSIDE UTILITY YARD AND TREAT SOIL WITH WEED KILLER. PROVIDE TWO LAYERS OF WEED CLOTH LAID WITH SEAMS AT 90 DEGREES TO ONE ANOTHER AND COVER WITH MINIMUM 3" THICK LAYER OF #57 GRAVEL FROM EDGE OF EQUIPMENT PADS TO YARD WALLS.
9. INTERNALLY LINED TRANSFER AIR DUCT ABOVE CEILING WITH ELBOWS.
10. NOT USED.
11. AIR COOLED CHILLER AND PRIMARY PUMP TO BE INSTALLED AS PART OF THIS PROJECT.
12. AIR COOLED CHILLER AND PRIMARY PUMP TO BE INSTALLED AS PART OF FUTURE EPICENTER PROJECT. PIPING UP TO ISOLATION VALVES AS INDICATED TO BE INSTALLED AS PART OF THIS PROJECT.
13. AIR COOLED CHILLER - SEE DETAIL A/M501 & EM501
14. VERTICAL INLINE PRIMARY PUMP - SEE DETAIL B/M501

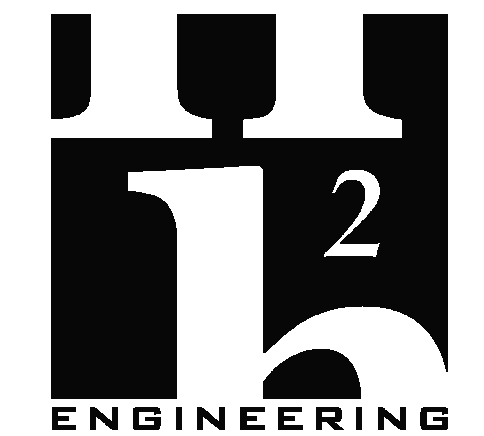


ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architec)
251 E. 7TH AVENUE, TALLAHASSEE FL 32303
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www.emiarch.com
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NOTE:

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Jeffrey Lee Tyler, State of Florida, Professional Engineer, License No. 57093

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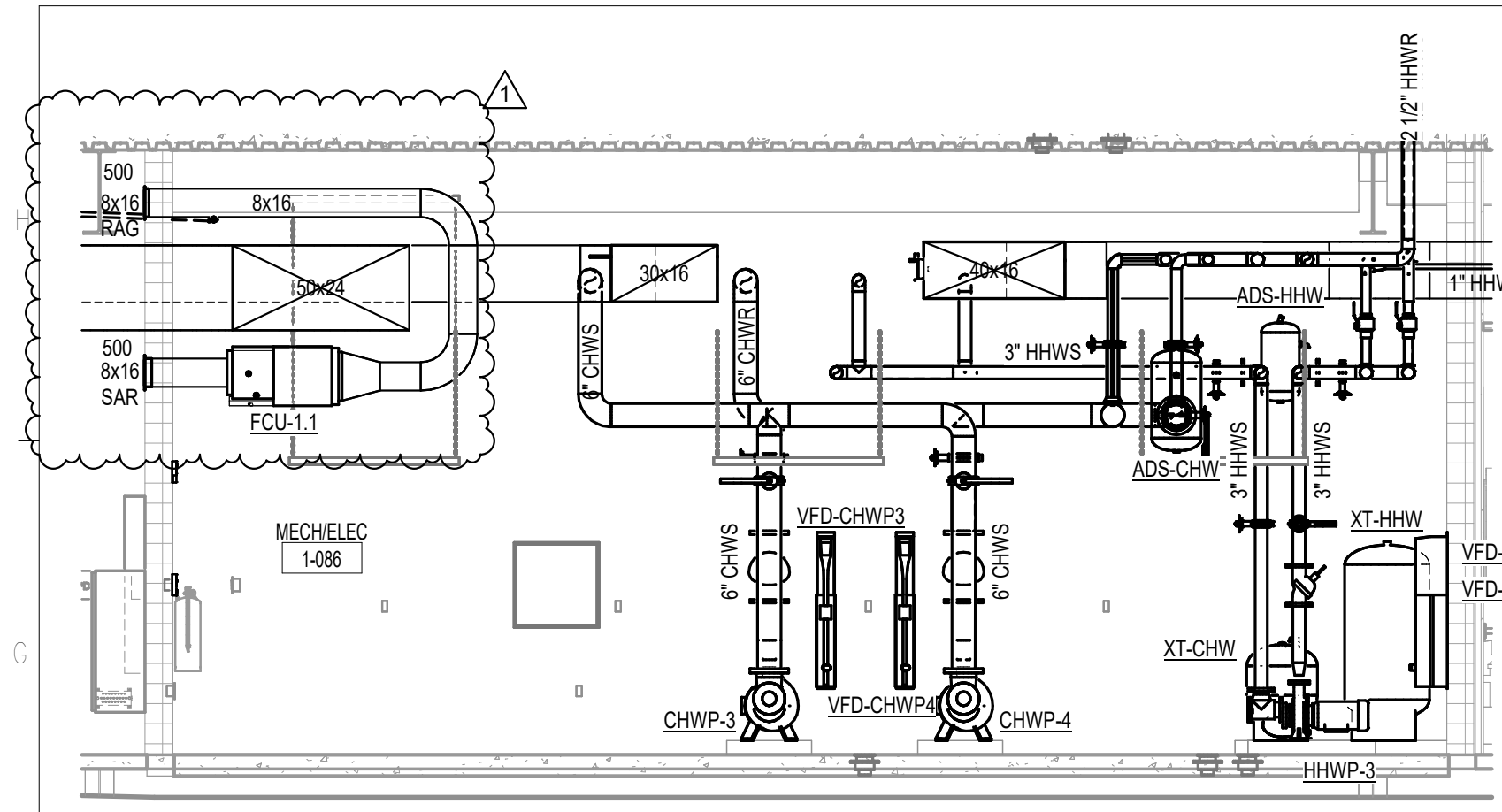
DATE 15 JANUARY 2025	DRAWN BY JZB
PROJECT NO 68100	CHECKED BY MTS

SHEET TITLE

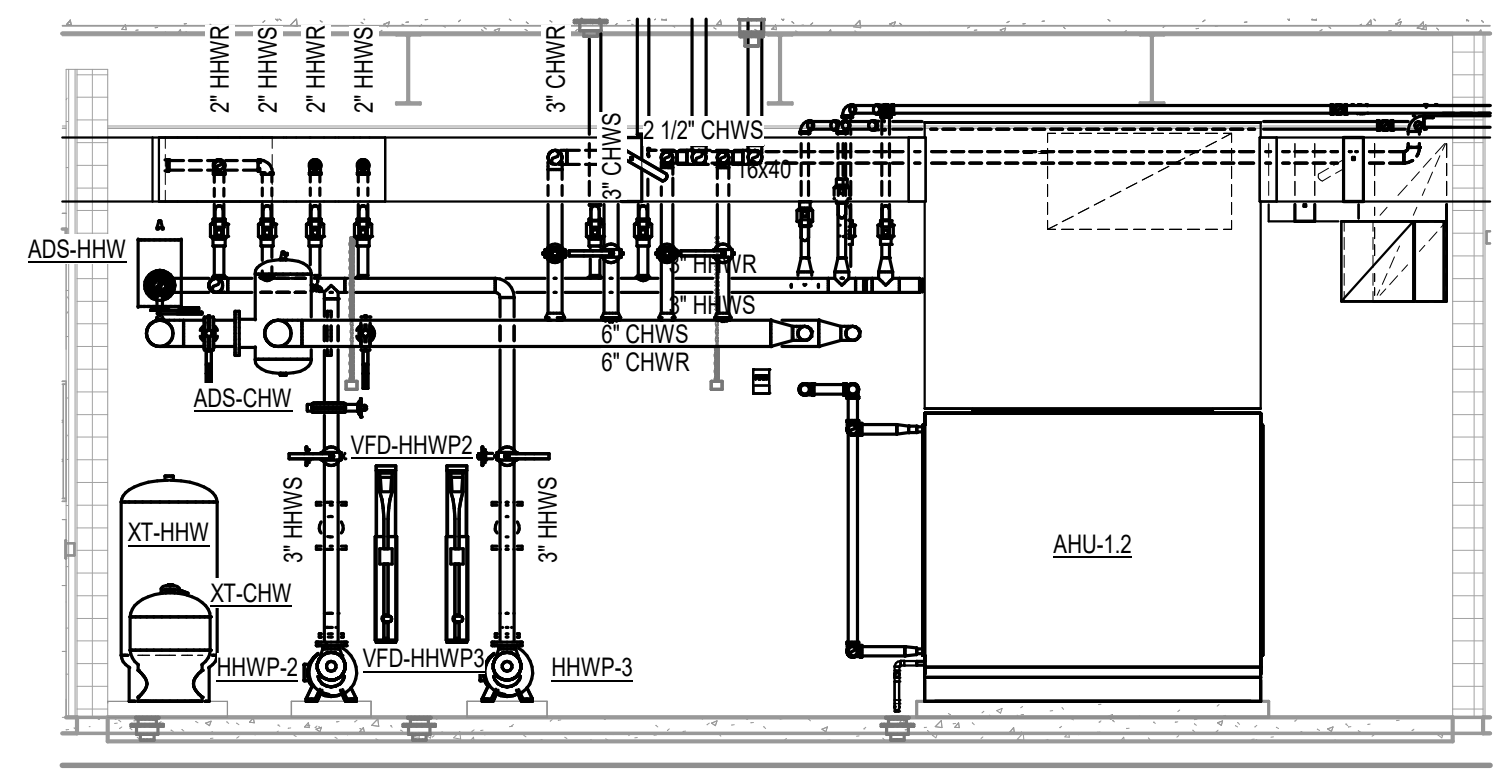
ROOF PLAN

SHEET NO M103	REV NO
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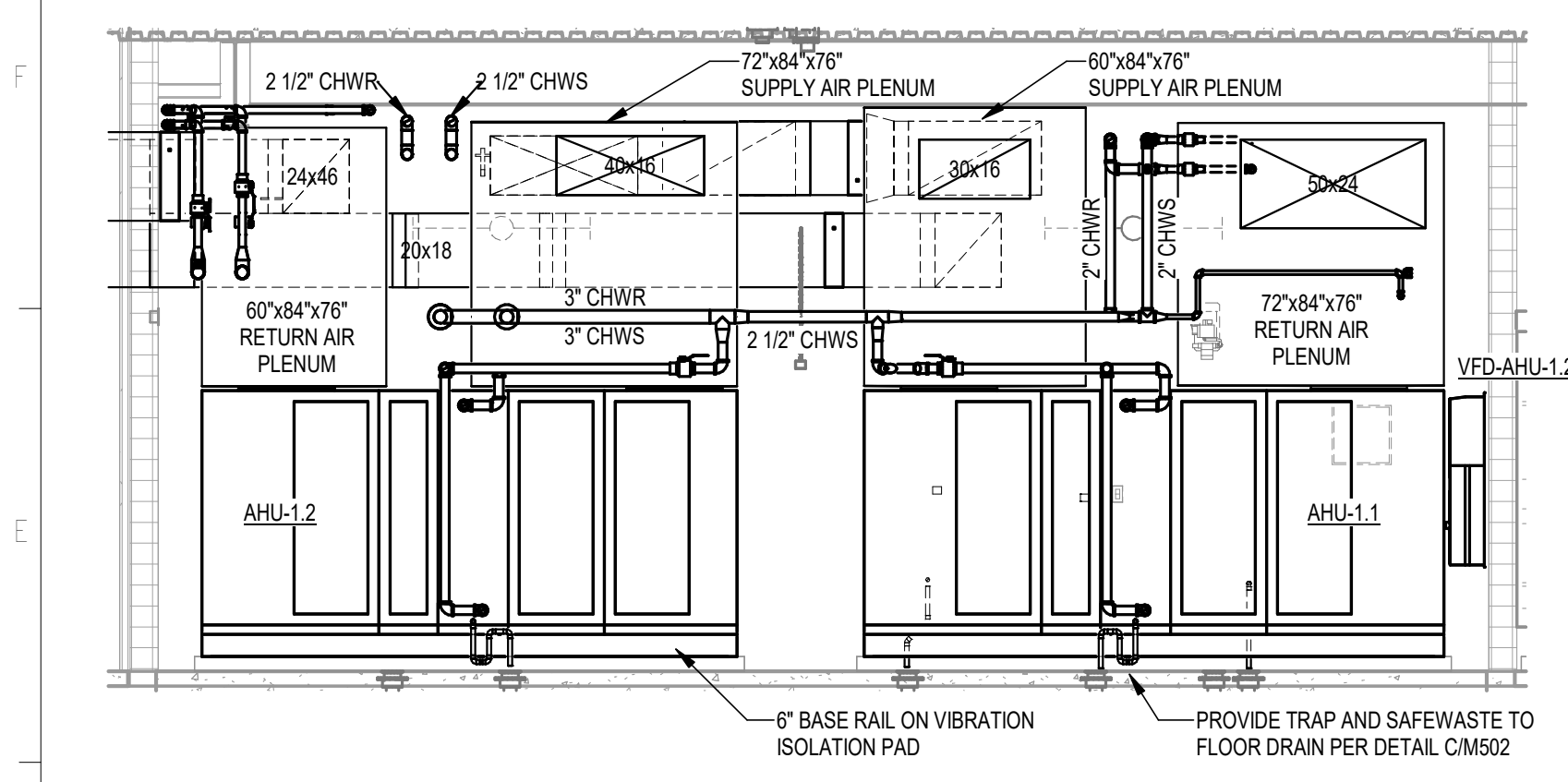
SEE SHEET M201
FOR KEYNOTE REFERENCES



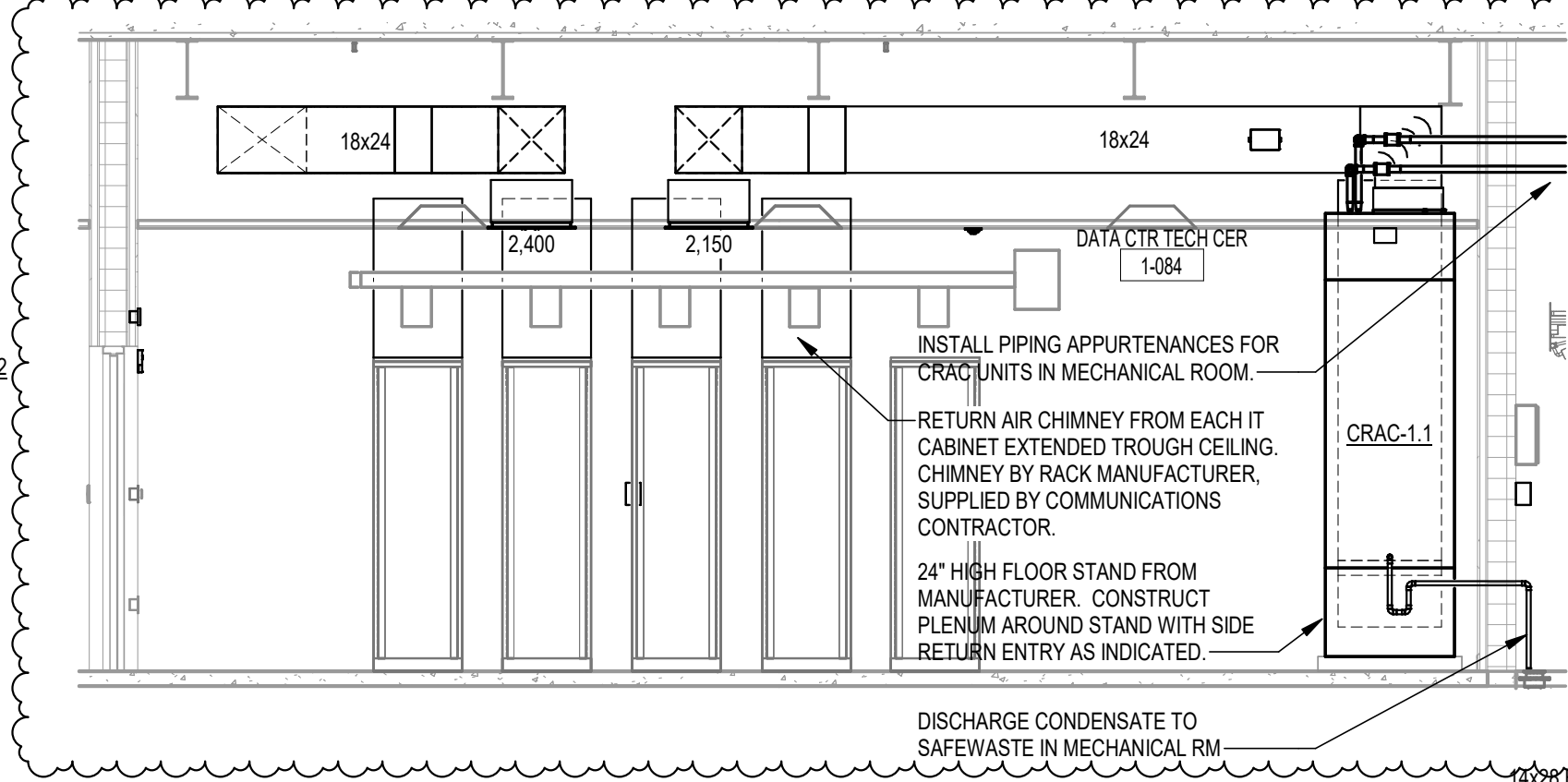
5 MECH RM 1-086
M202 1/4" = 1'-0"



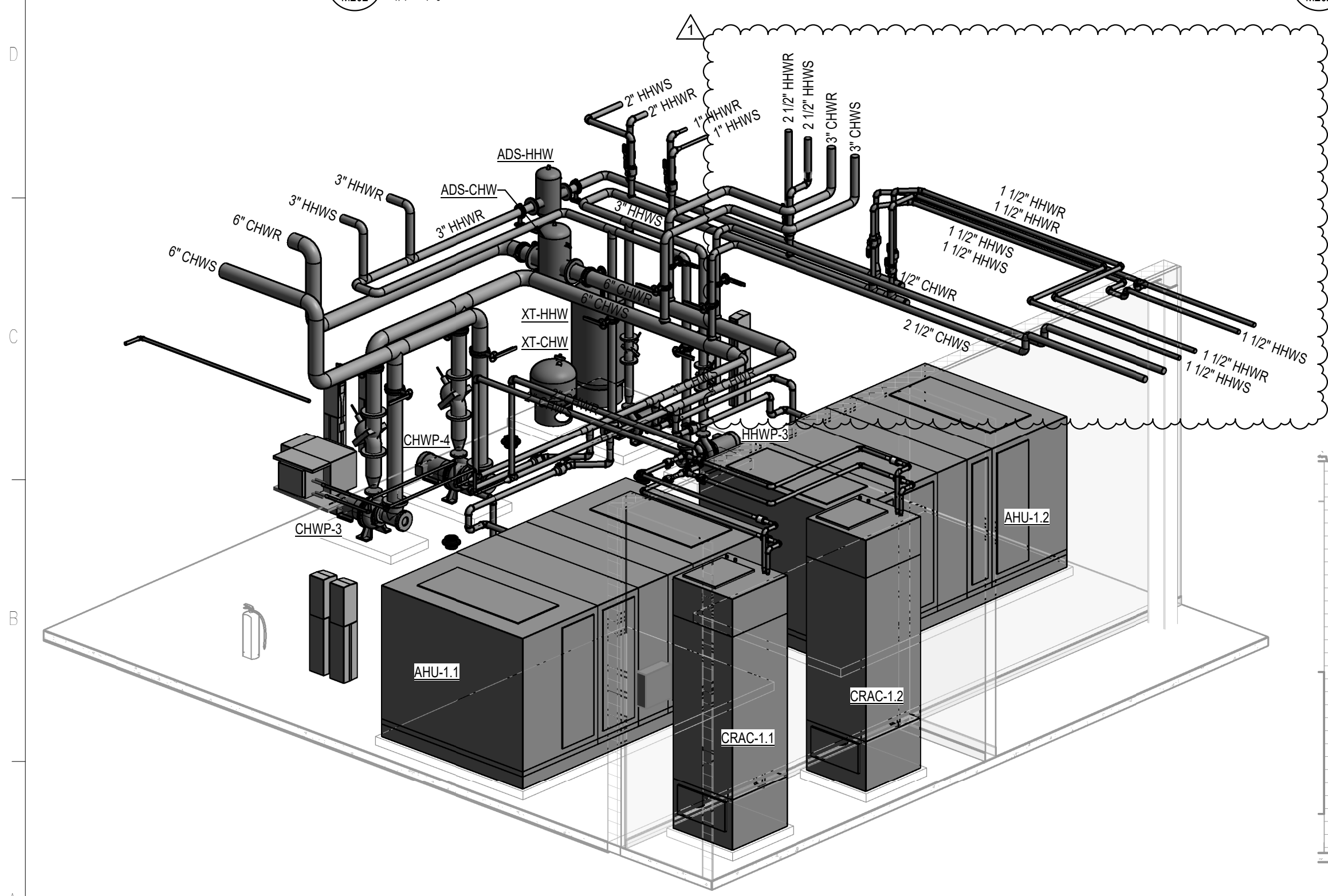
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M202 1/4" = 1'-0"



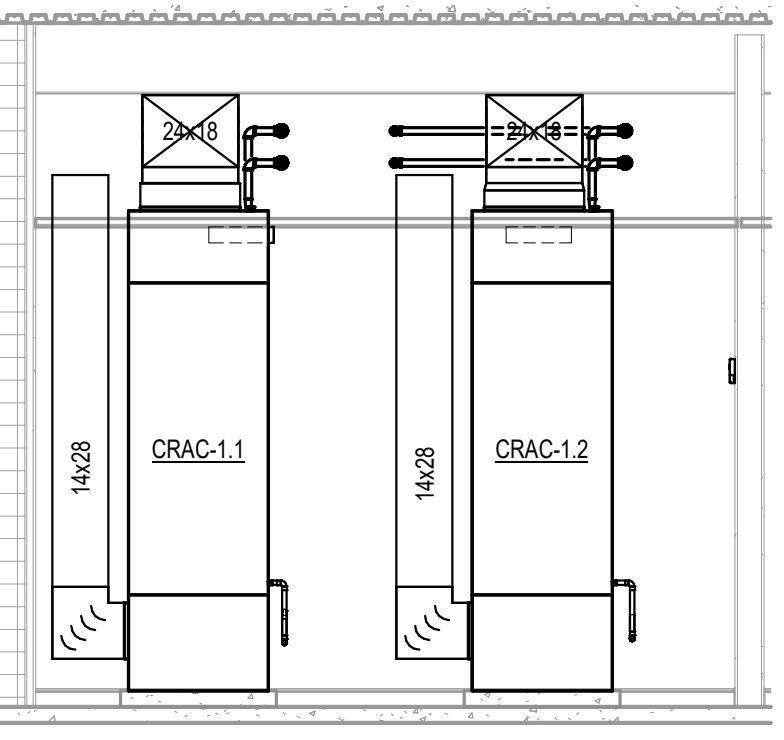
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M202 1/4" = 1'-0"



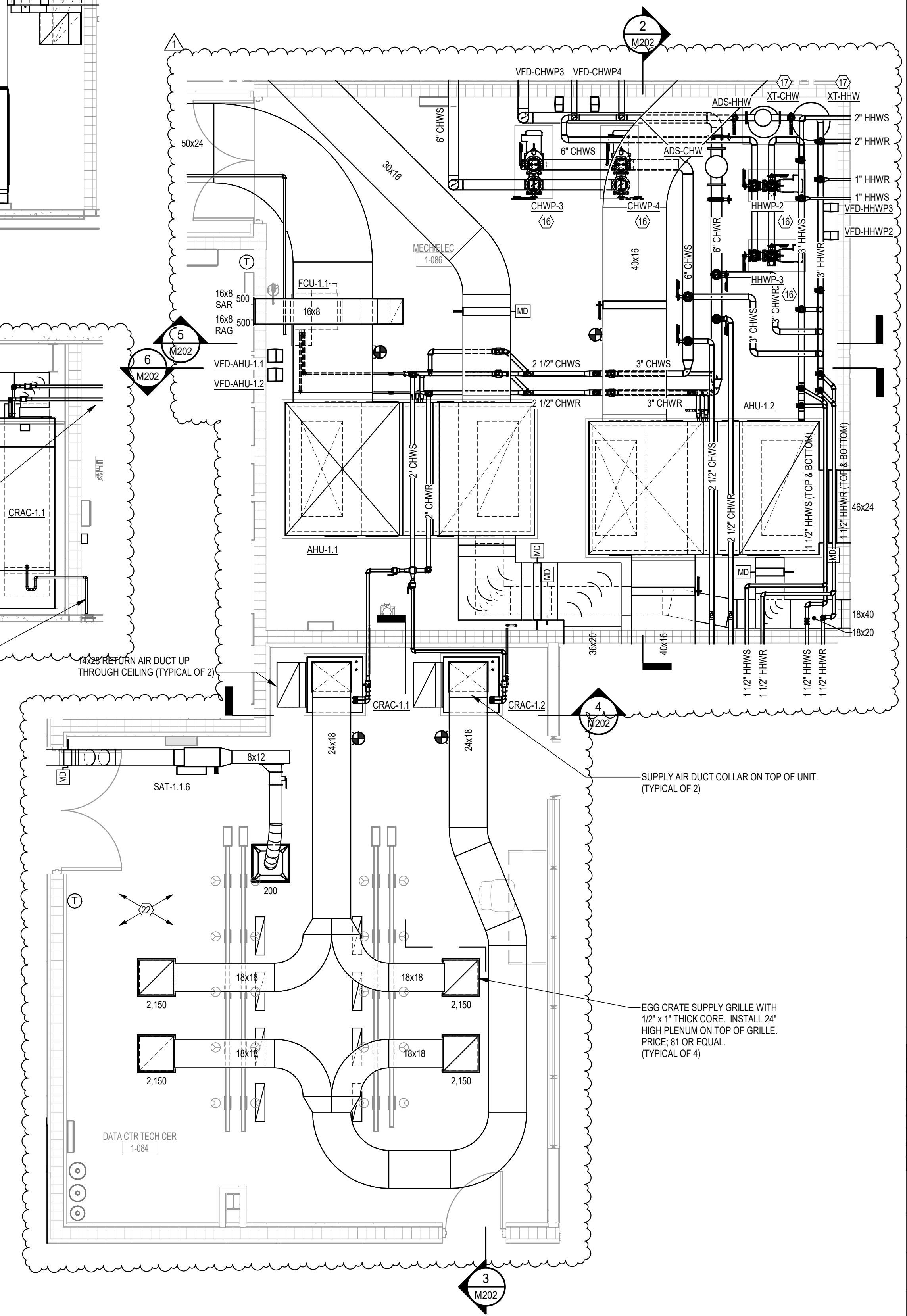
3 DATA CENTER 1-084
M202 1/4" = 1'-0"



7 PIPING ISOMETRIC- MECH RM 1-086
M202 1/4" = 1'-0"

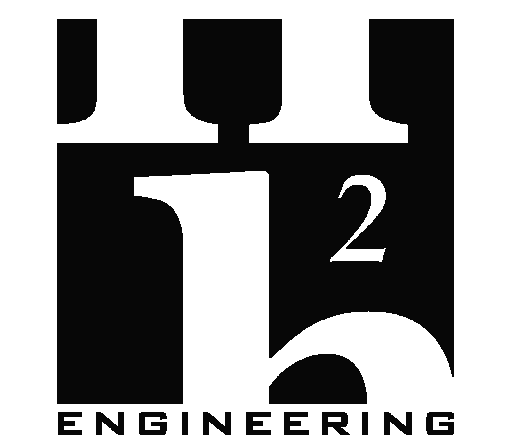


4 DATA CENTER 1-084
M202 1/4" = 1'-0"



1 ENLARGED PLAN - ROOMS 1-084 & 1-086
M101-N 1/4" = 1'-0"

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68100

SHEET TITLE

**ENLARGED PLANS
MECHANICAL RM 1-086**

SHEET NO
M202

REV NO

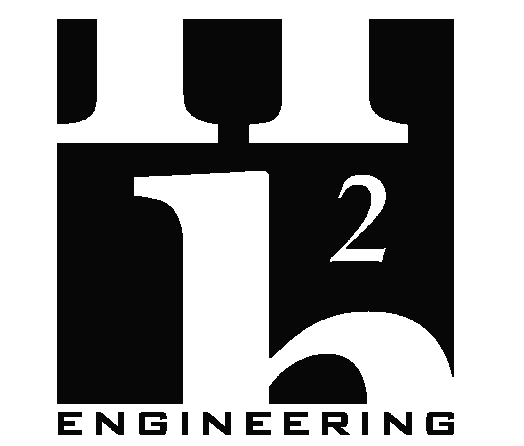
SEE SHEET M201
FOR KEYNOTE REFERENCES



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
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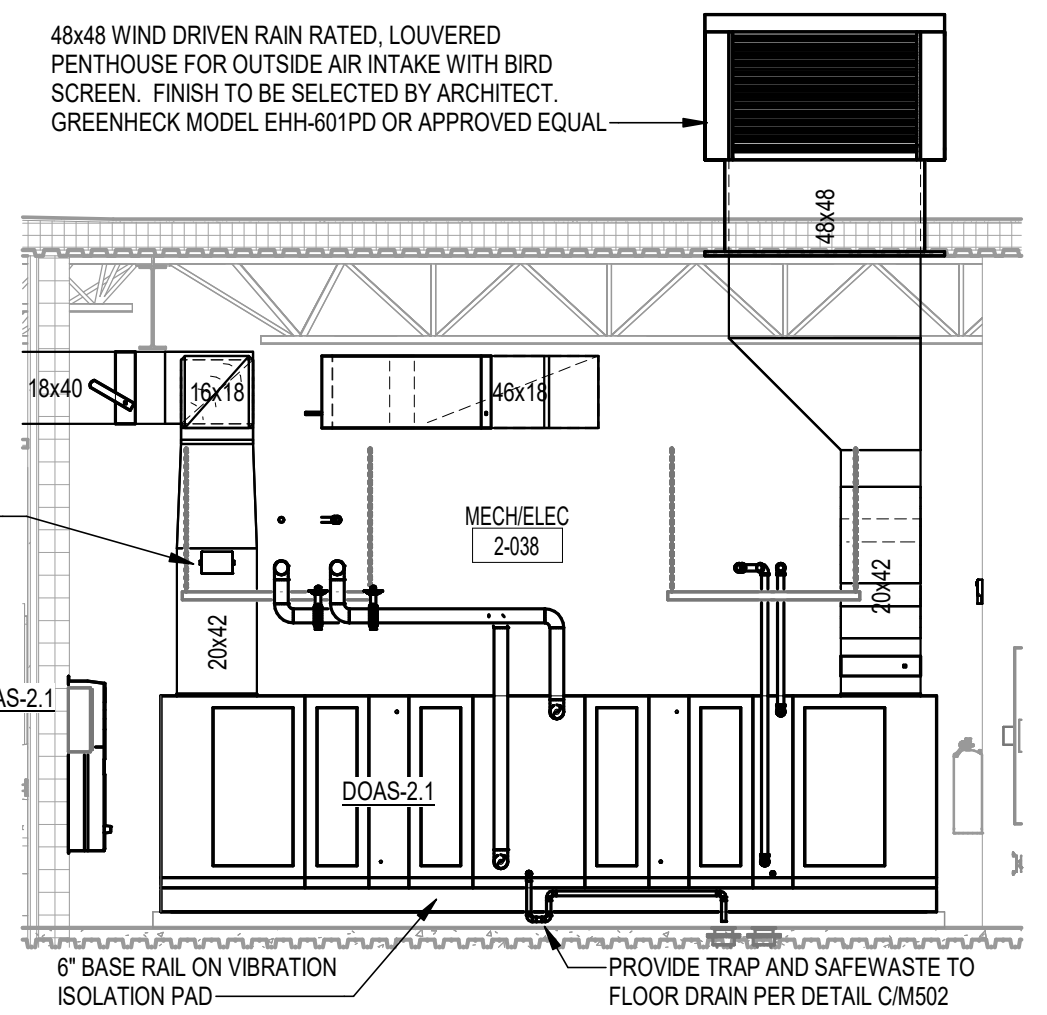
DATE	DRAWN BY
15 JANUARY 2025	JDR

PROJECT NO	CHECKED BY
68100	JLT

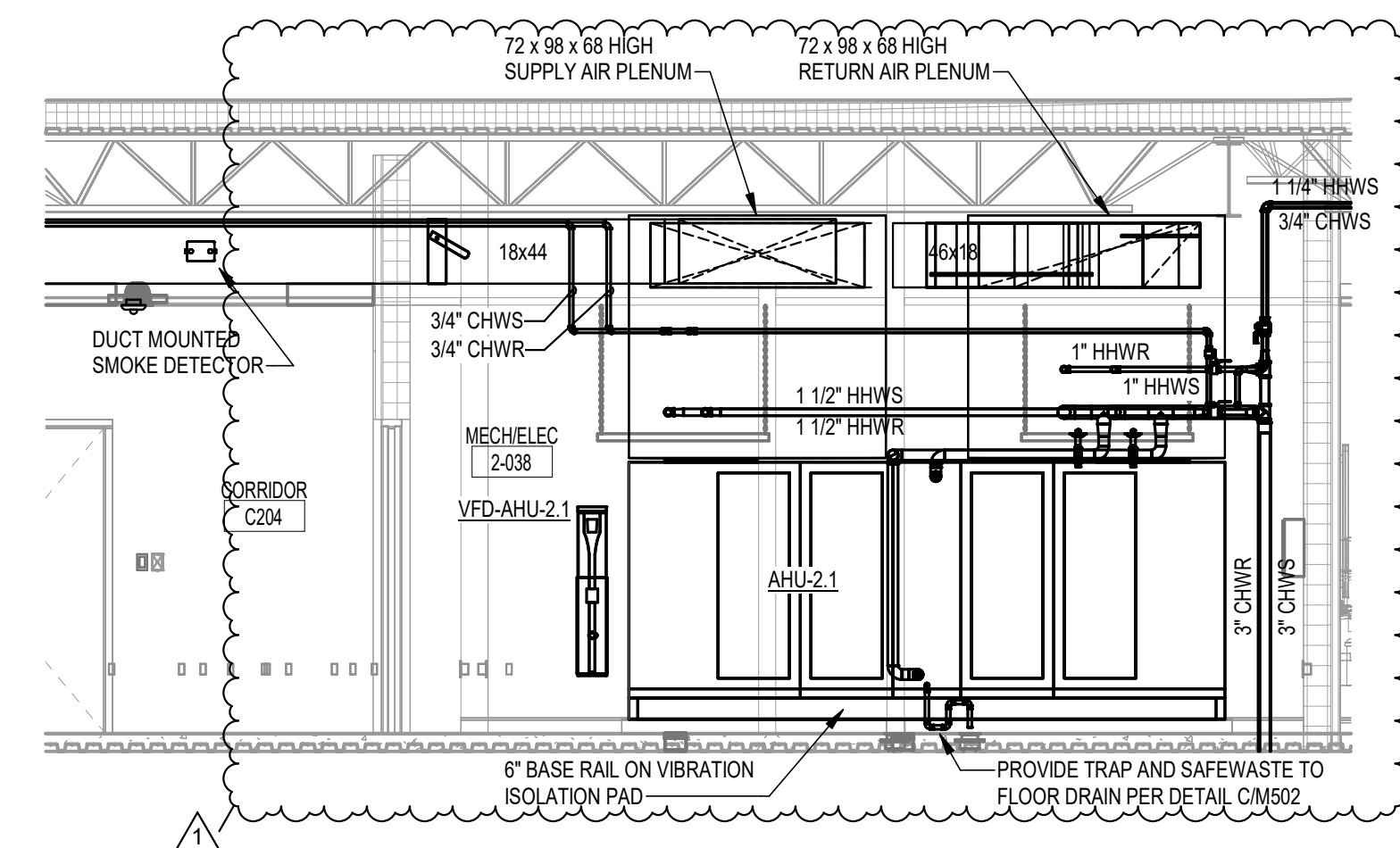
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MECHANICAL RM 2-038**

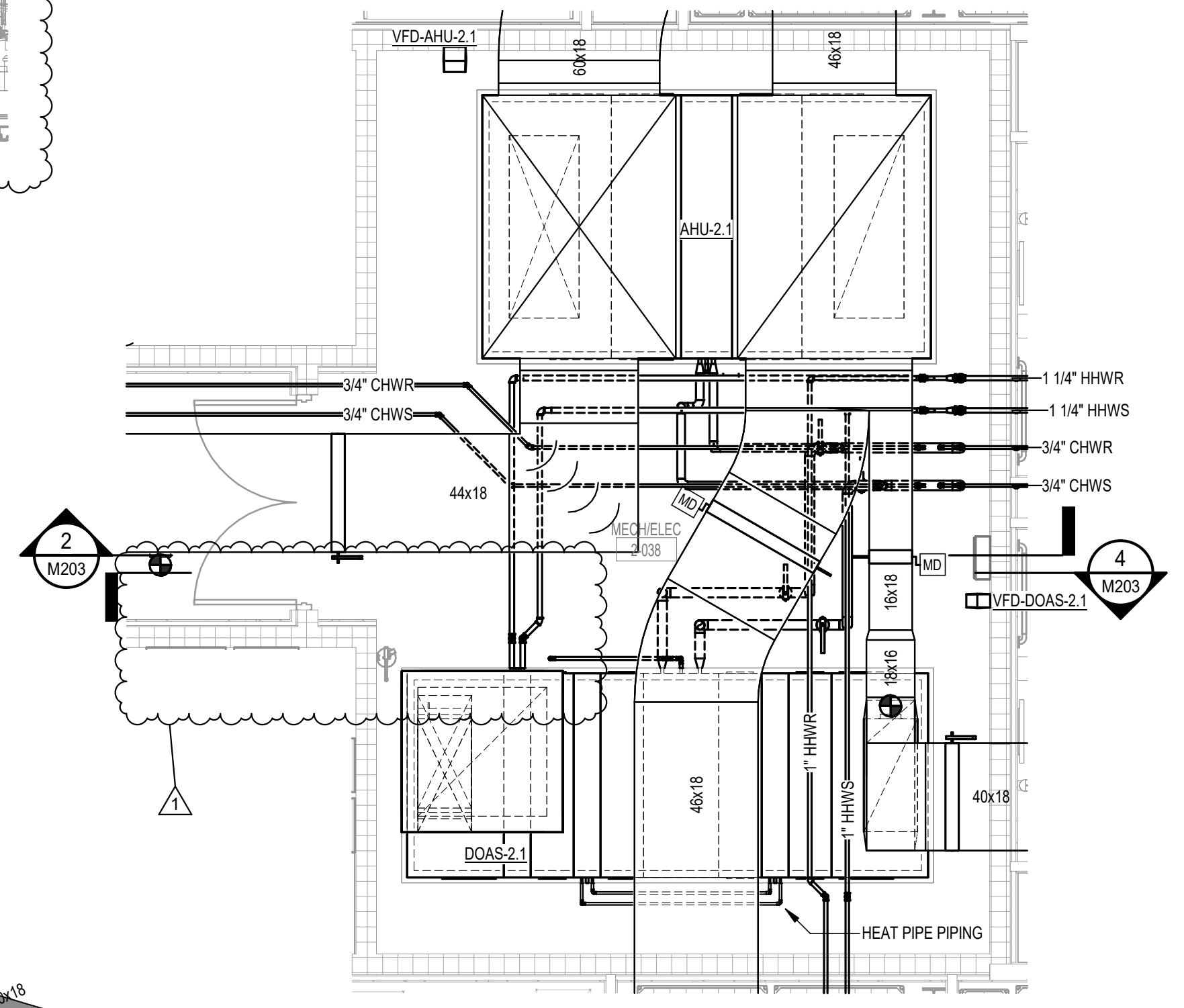
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M203	



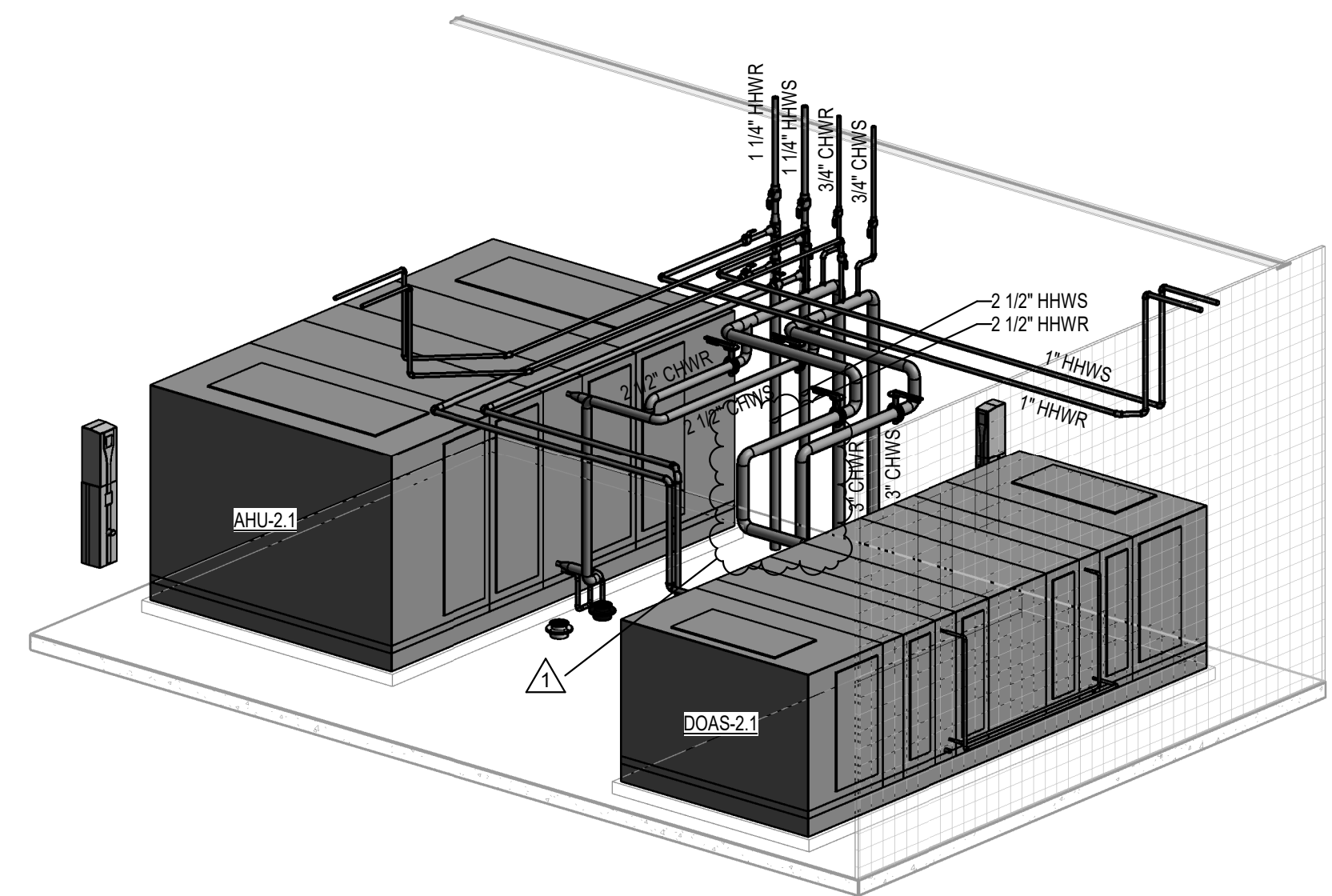
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M203 1/4" = 1'-0"



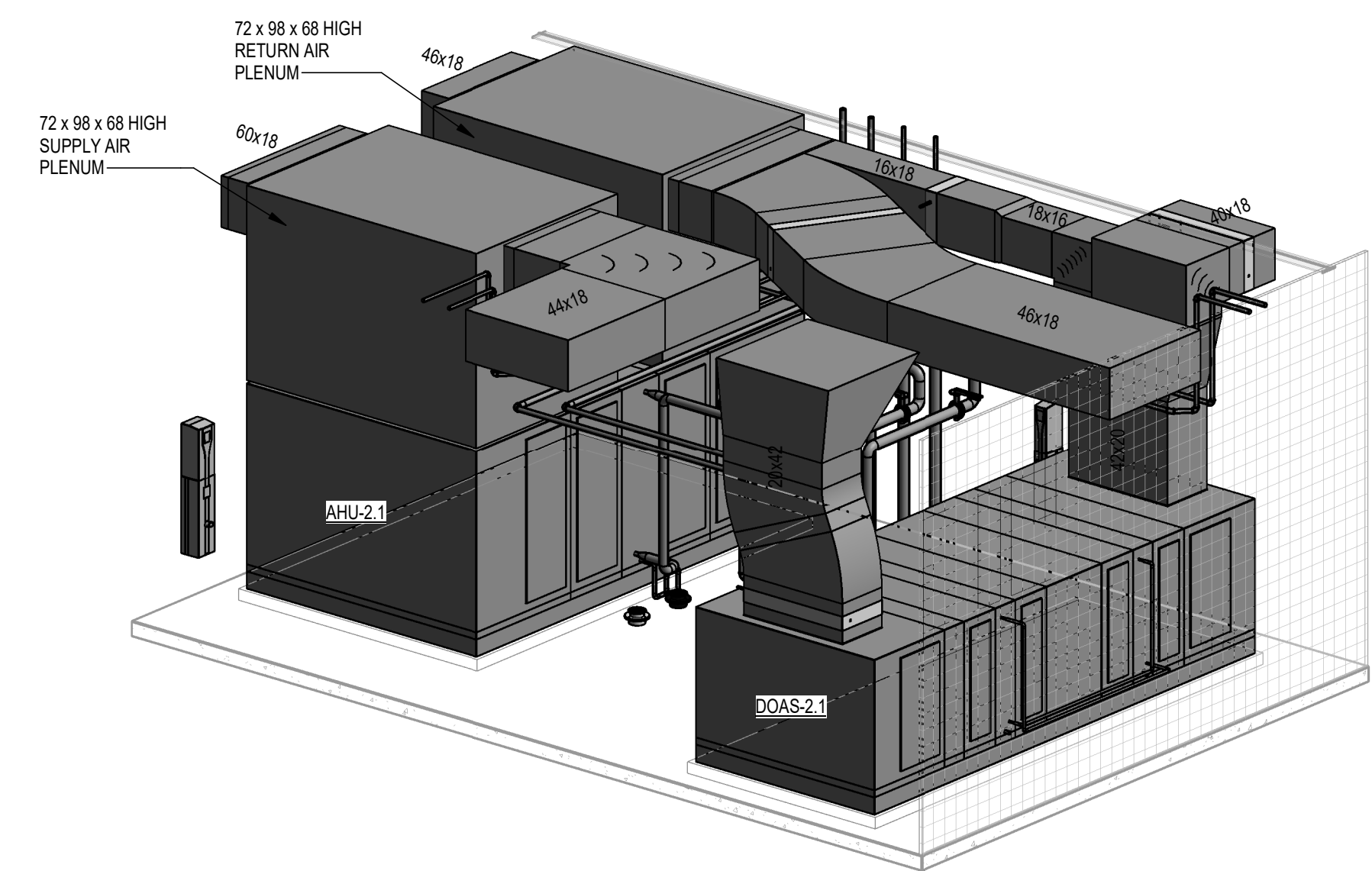
2 MECHANICAL RM 2-038
M203 1/4" = 1'-0"



1 MECHANICAL RM 2-038
M102-N 1/4" = 1'-0"



5 PIPING ISOMETRIC- MECH RM 2-038



3 DUCTWORK ISOMETRIC- MECH RM 2-038

2/10/2025 4:30:20 PM

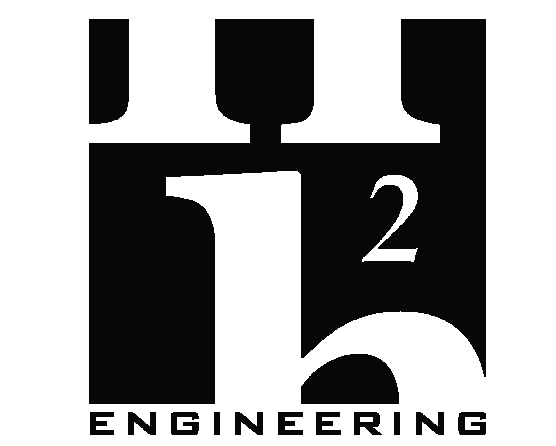
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PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
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CONSTRUCTION DOCUMENTS

DATE
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JDR

PROJECT NO
68100

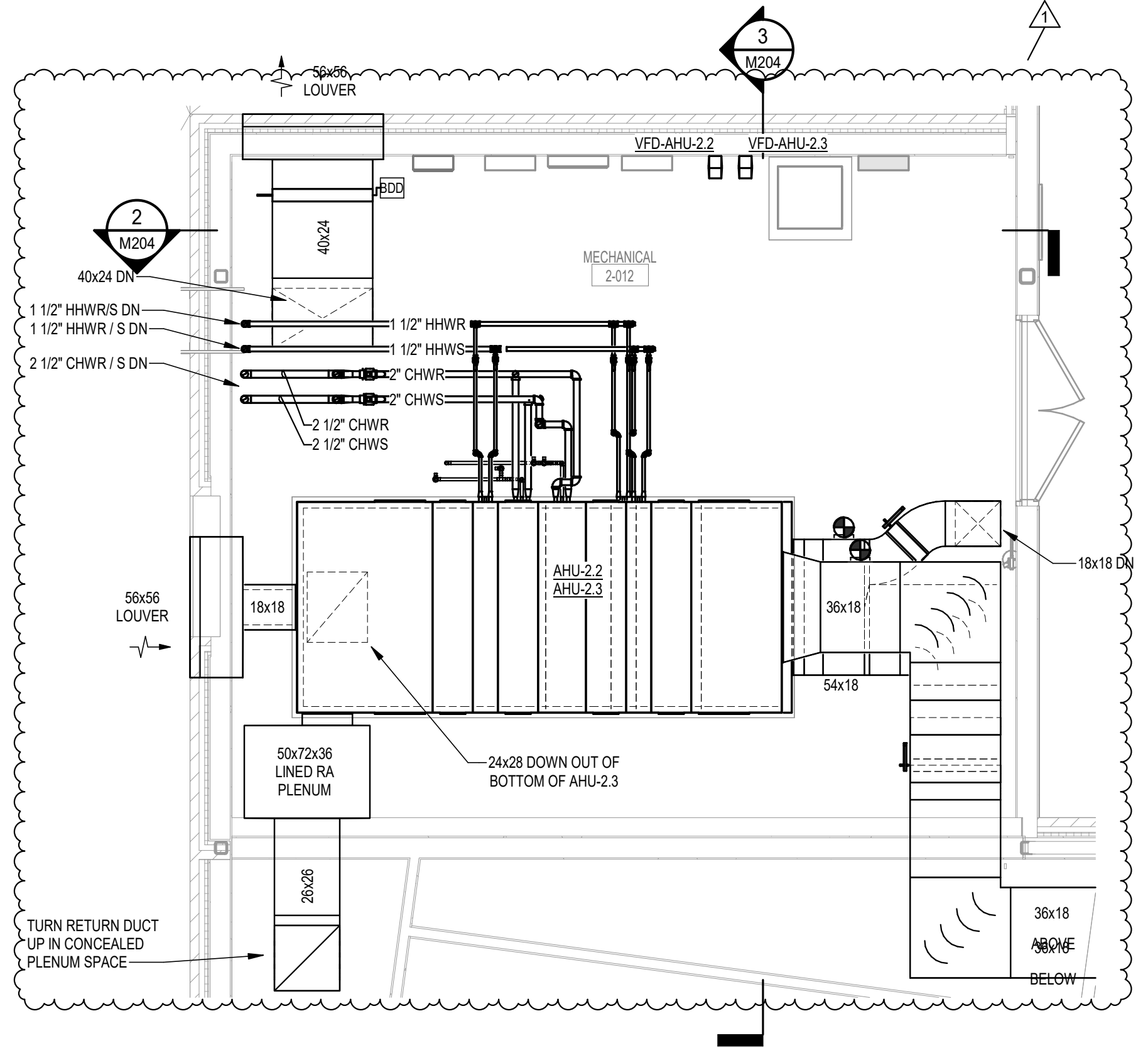
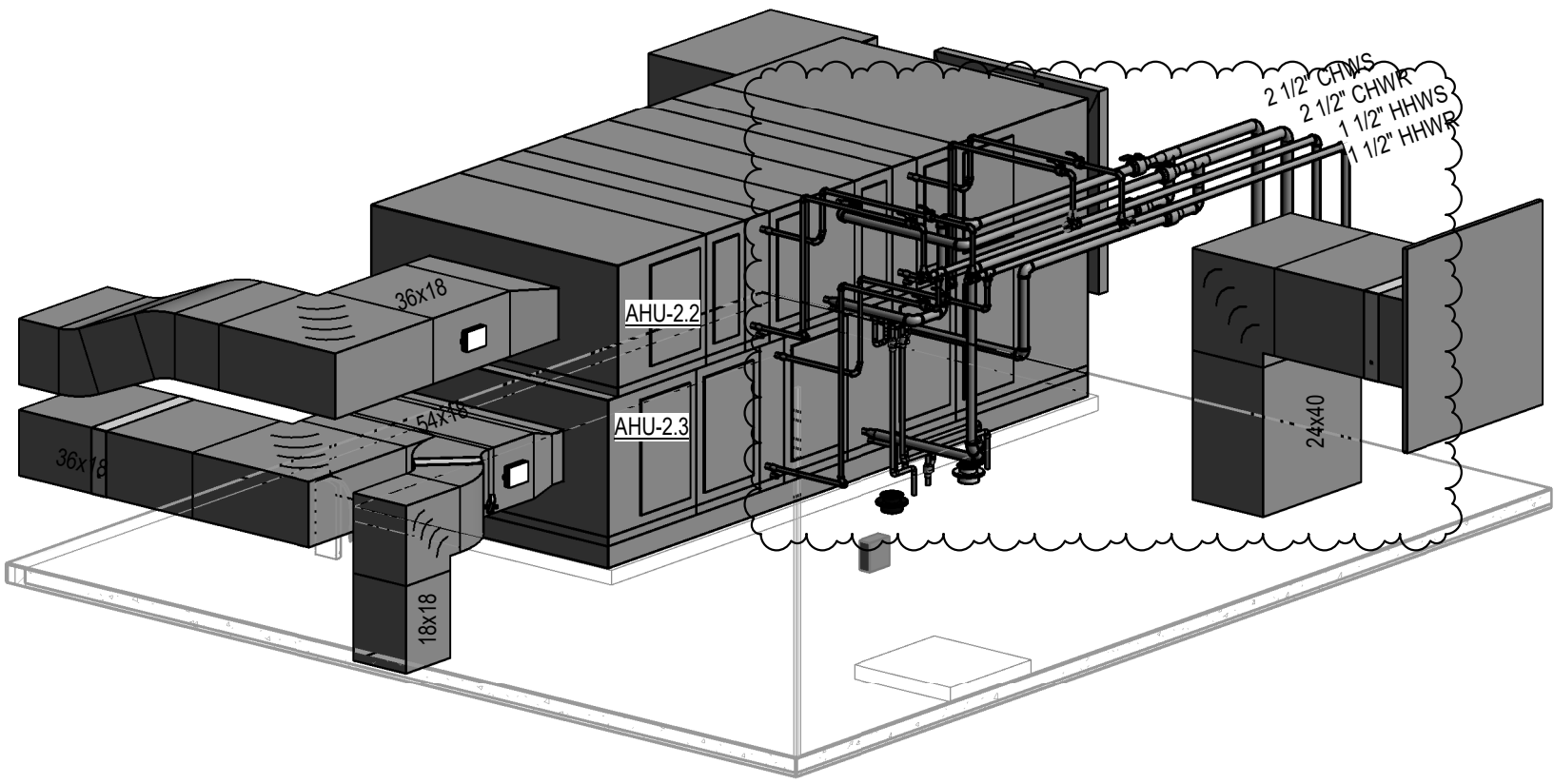
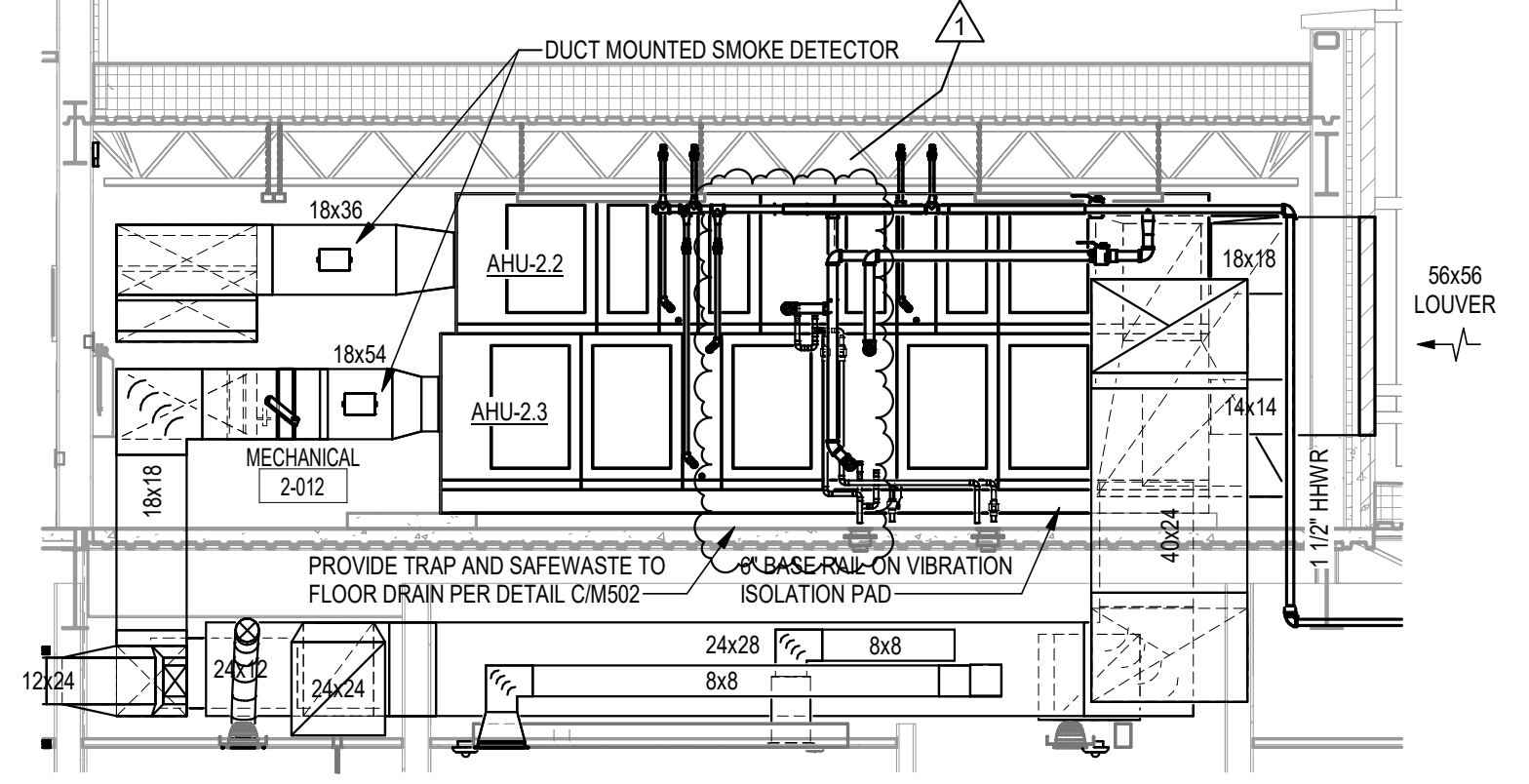
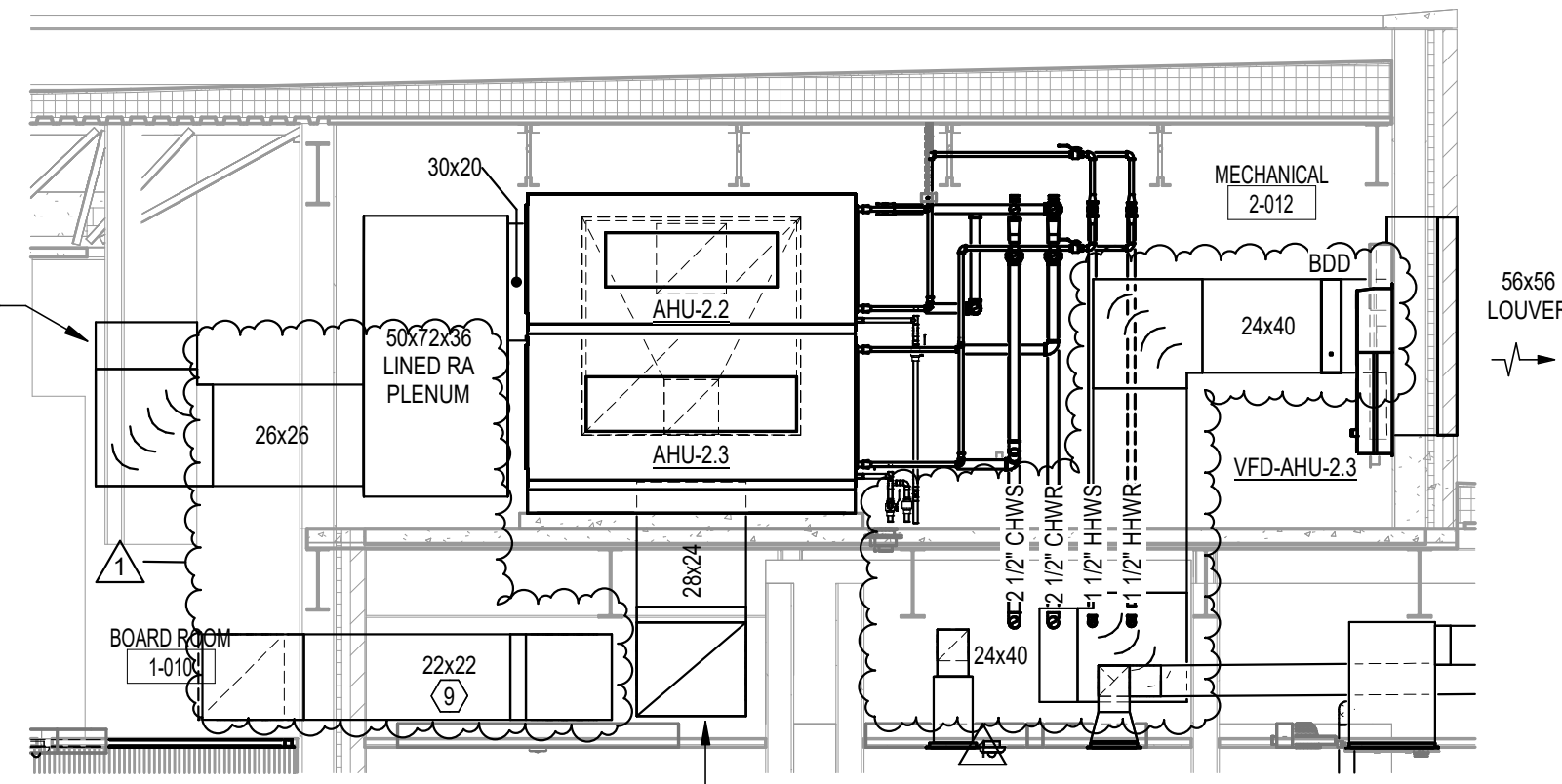
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SHEET TITLE

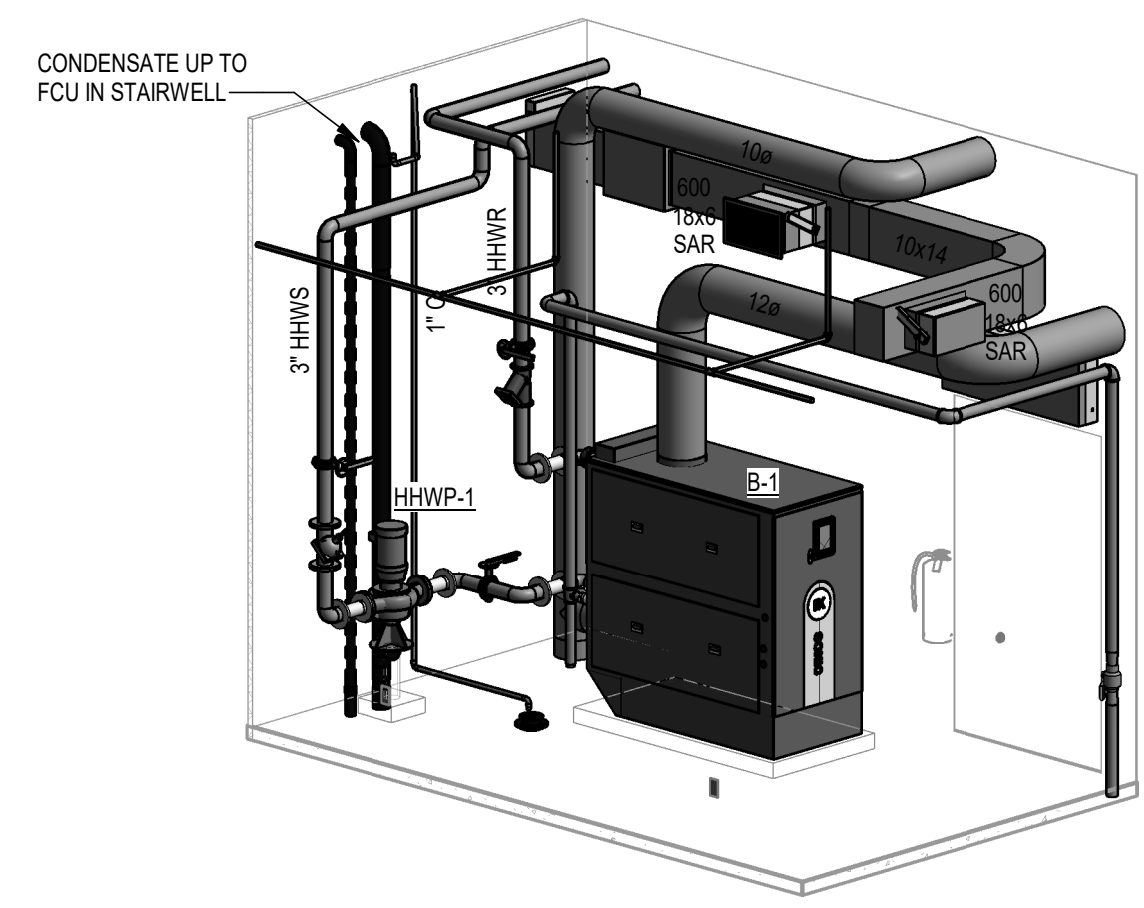
**ENLARGED PLANS
MECHANICAL RM 2-012**

SHEET NO
M204

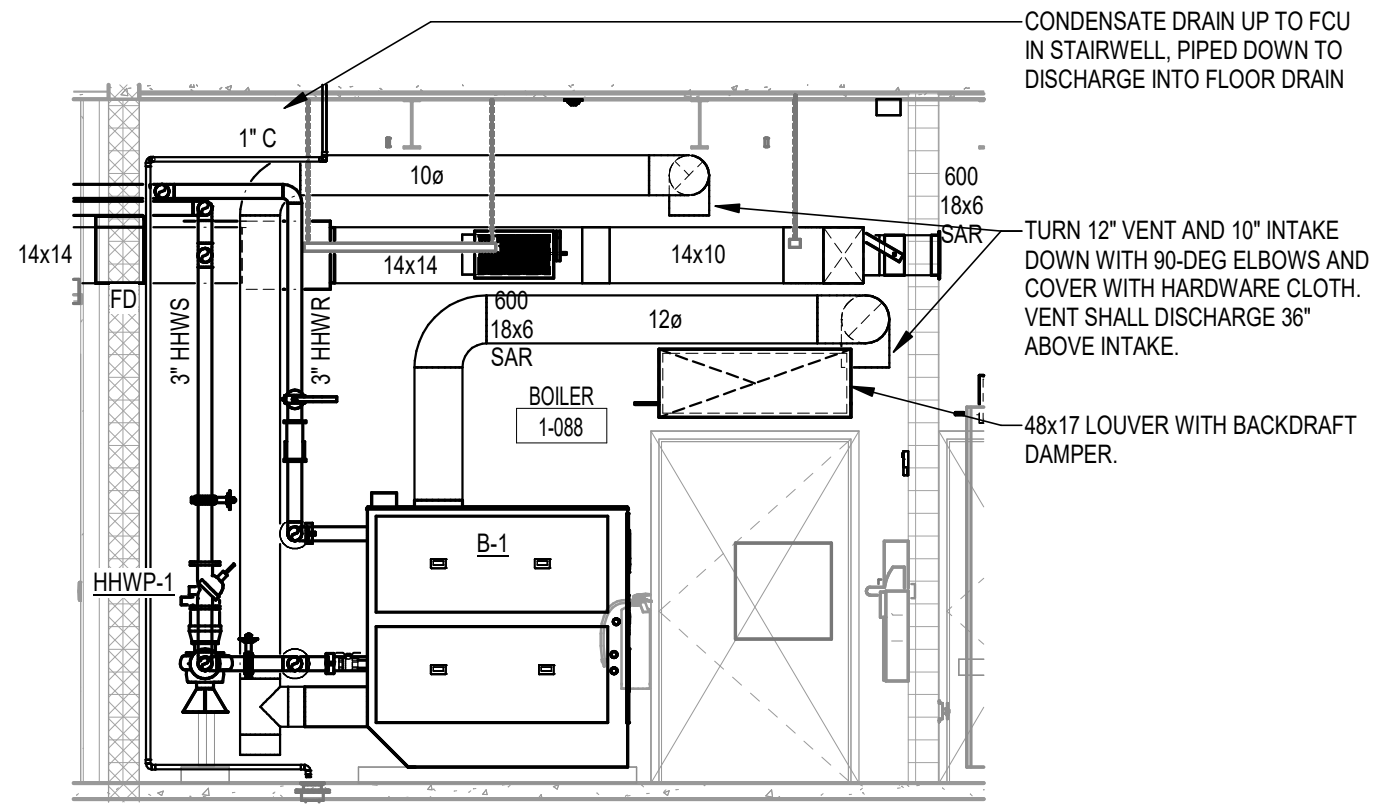
REV NO



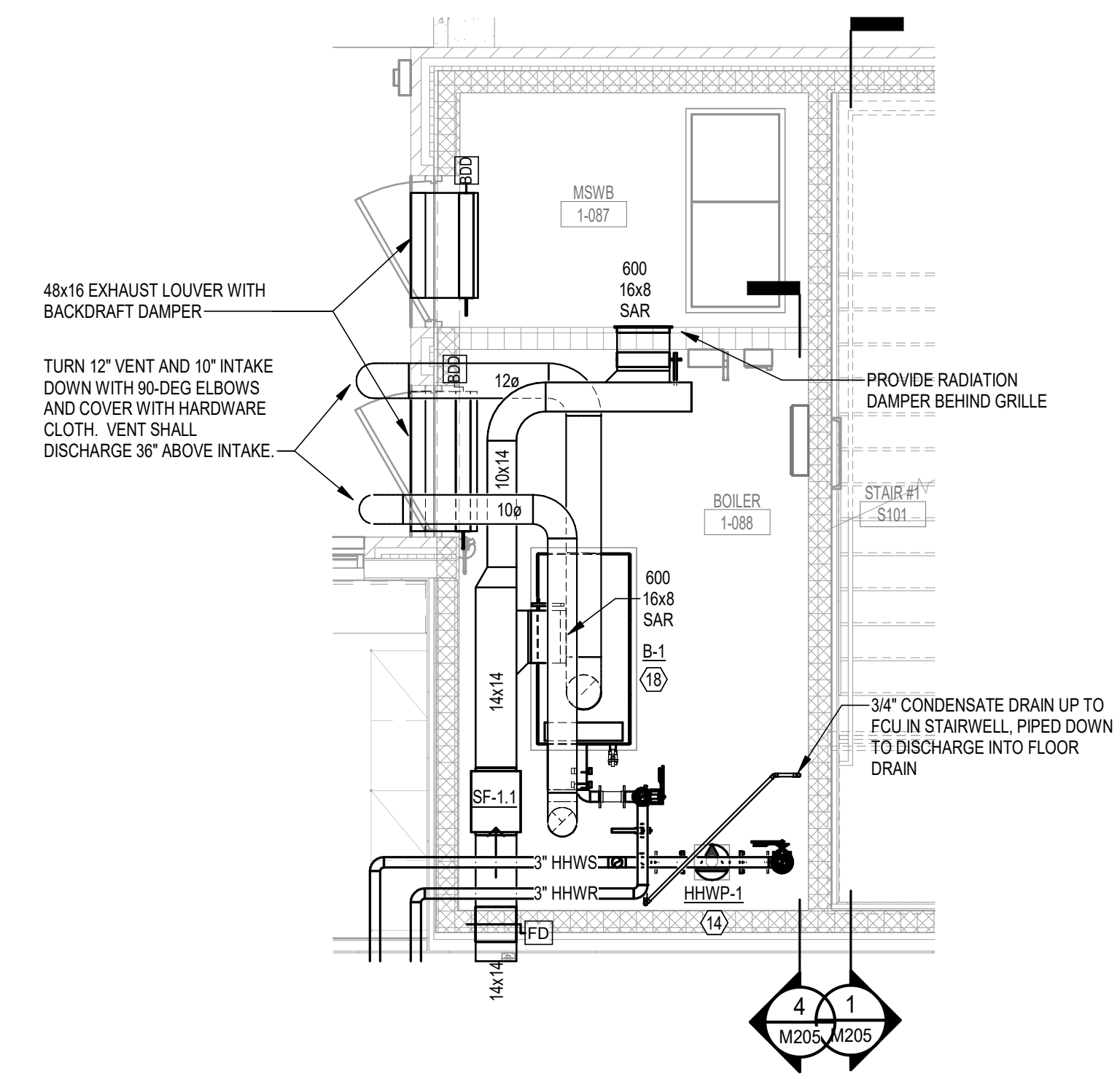
SEE SHEET M201
FOR KEYNOTE REFERENCES



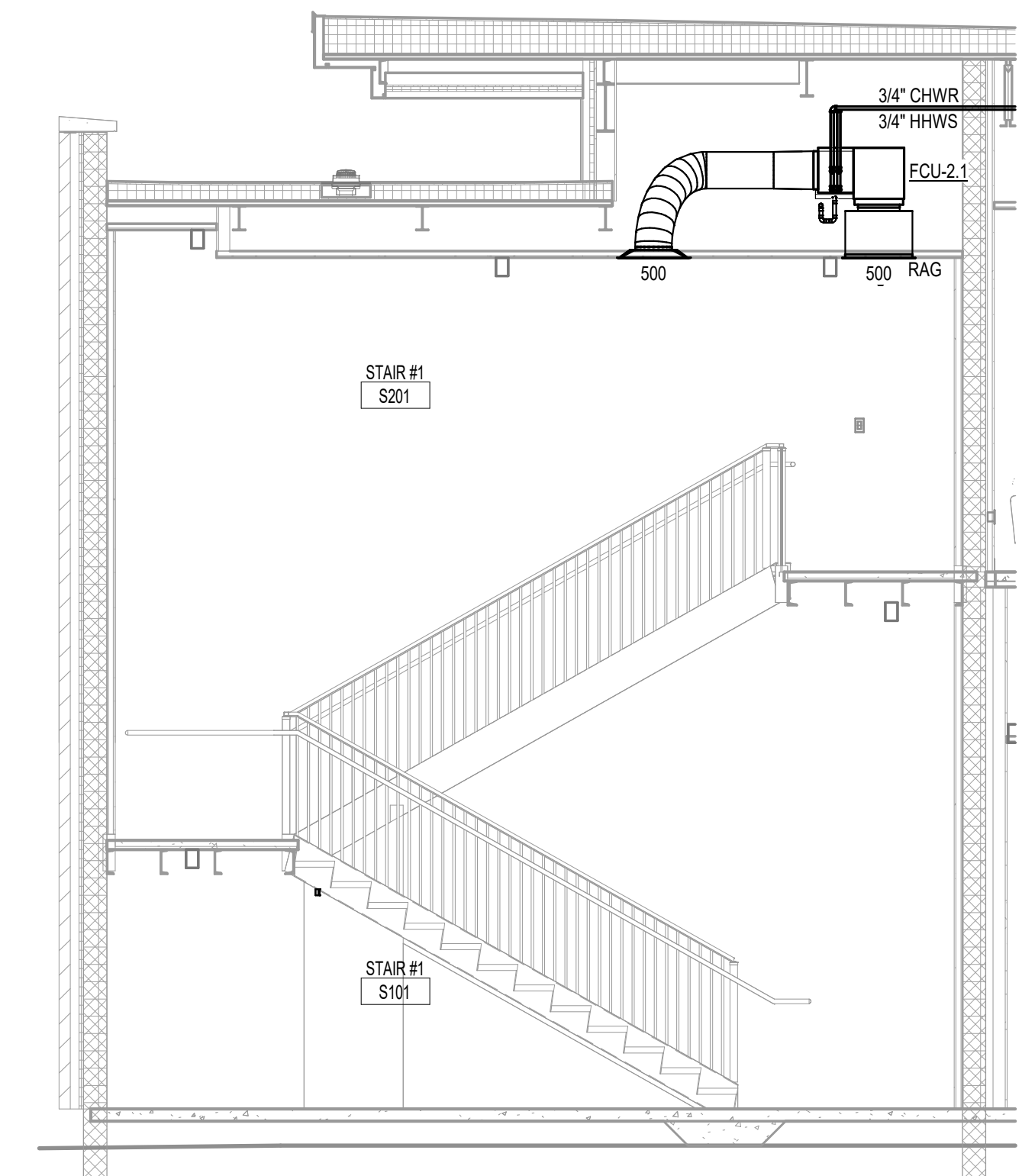
3 PIPING ISOMETRIC- BOILER RM 1-088



4 MECHANICAL RM 1-088
M205 1/4" = 1'-0"



2 ENLARGED PLAN - BOILER RM 1-088
M101-N 1/4" = 1'-0"



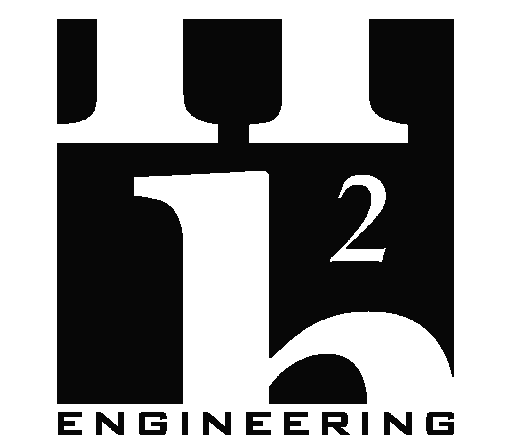
1 STAIR #1 S-201
M102-N 1/4" = 1'-0"



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PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
LICENSE # PC-C000478 IS-C000153

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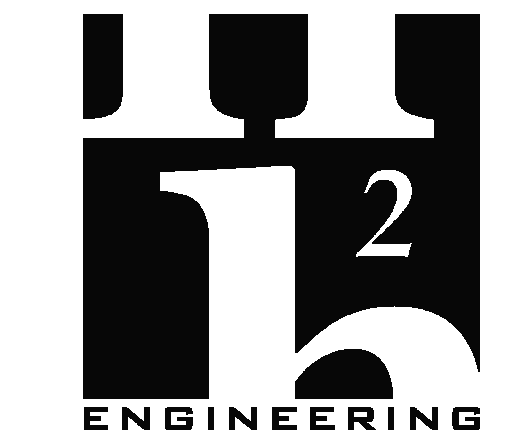
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DATE	DRAWN BY
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PROJECT NO	CHECKED BY
08100	JLT

SHEET TITLE
ENLARGED PLANS

SHEET NO	REV NO
M205	

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JDR

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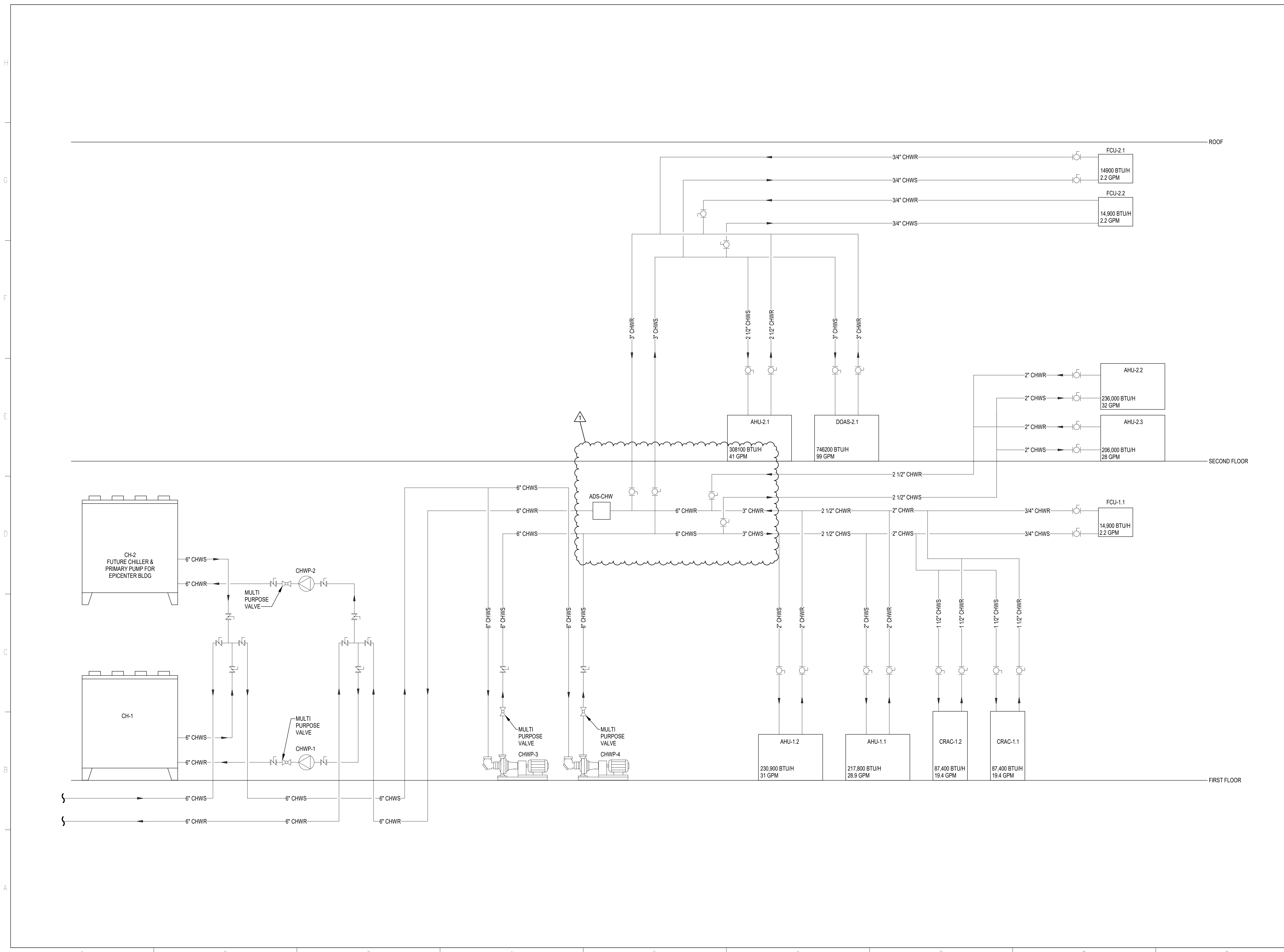
SHEET TITLE

CHW PIPING SCHEMATIC

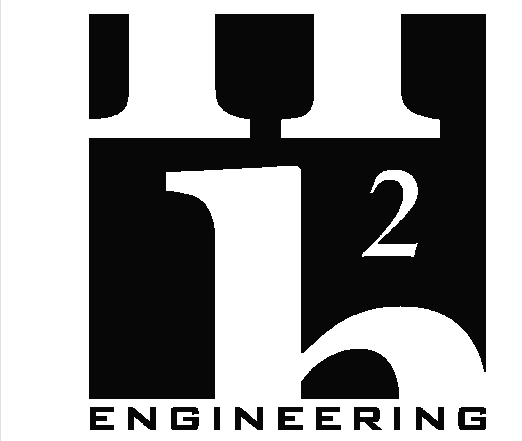
SHEET NO
M301

REV NO

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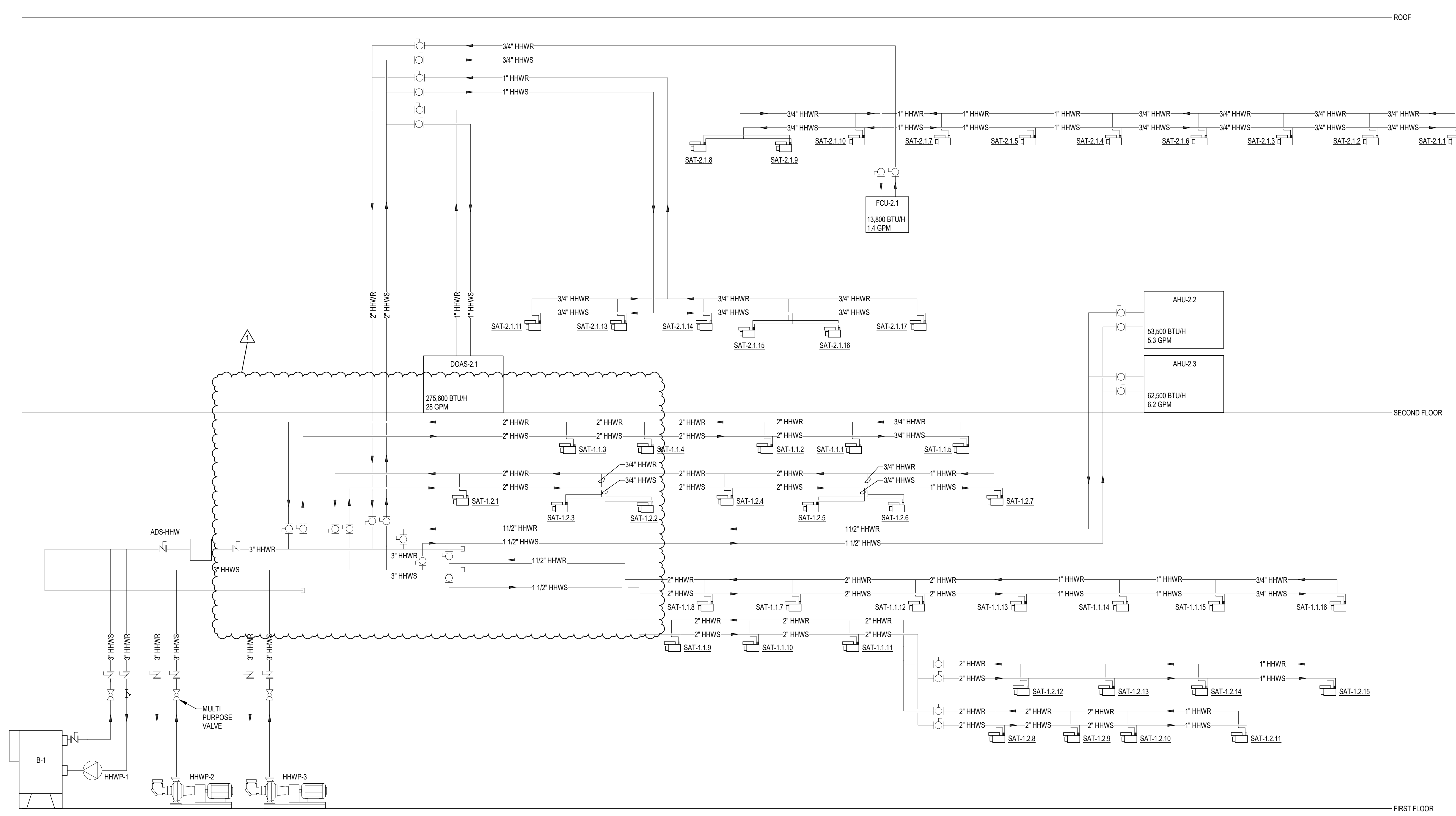
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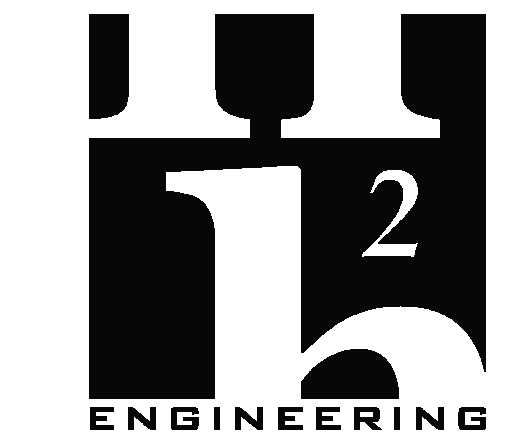
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68100	JLT
SHEET TITLE	
HHW PIPING SCHEMATIC	
SHEET NO	REV NO
M302	



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68100	JLT

SHEET TITLE

SCHEDULES

SHEET NO	REV NO
M401	

AIR HANDLING UNITS

DESIGNATION	AHU-1.1	AHU-1.2	AHU-2.1	AHU-2.2	AHU-2.3	
AIR FLOW RATES						
TOTAL SUPPLY AIR	CFM	10,580	9,900	13,100	3,900	5,600
OUTSIDE AIR	CFM	2,000	2,400	1,600	1,800	900
MINIMUM SUPPLY FAN SPEED SETTING	%	30	30	30	50	30
MINIMUM OUTSIDE AIR FLOW SETTING	CFM	2,000	2,400	1,600	300	900
FILTER SECTION						
DAMPERS	NONE	NONE	NONE	OA & RA	OA & RA	
FILTER ORIENTATION	ANGLED	ANGLED	ANGLED	ANGLED	ANGLED	
TYPE OF FILTER	2" THICK PLEATED	2" THICK PLEATED	2" THICK PLEATED	2" THICK PLEATED	2" THICK PLEATED	
PREHEAT COIL DATA - HYDRONIC						
HEATING CAPACITY	MBTUH				32.6	
AIR ENTERING HEATING COIL	"F				39.6	
AIR LEAVING HEATING COIL	"F				55	
HHW ENTERING & LEAVING TEMPERATURE	"F - "F				160 - 140	
WATER FLOW	GPM				3.3	
RUNOUT PIPE SIZE	IN				3/4	
CONTROL VALVE (TYPE)					3-WAY	
COOLING COIL DATA - HYDRONIC						
TOTAL COOLING CAPACITY	MBTUH	223.0	203.0	298.0	236.0	206.0
SENSIBLE COOLING CAPACITY	MBTUH	198.0	174.0	268.0	115.0	141.0
AIR ENTERING COOLING COIL	"Fdb - "Fwb	71.2 - 60.9	70.1 - 60.8	72.9 - 61.4	80.6 - 72.1	77.0 - 65.8
AIR LEAVING COOLING COIL	"Fdb - "Fwb	54.0 - 53.5	54.0 - 53.5	54.0 - 53.5	54.0 - 53.5	54.0 - 53.5
CHW ENTERING & LEAVING TEMPERATURE	"F - "F	44 - 59	44 - 59	44 - 59	44 - 59	44 - 59
WATER FLOW	GPM	30	27	40	32	28
MINIMUM FACE AREA (@ 450 FPM)	SQ. FT.	23.5	22.0	29.1	8.7	12.4
GLYCOL CONCENTRATION	%	0	0	0	0	0
RUNOUT PIPE SIZE	IN	2	2	2 1/2	2	2
CONDENSATE DRAIN SIZE	IN	1	1	1	1	1
CONTROL VALVE (TYPE)		2-WAY	2-WAY	2-WAY	2-WAY	2-WAY
HEATING COIL DATA - HYDRONIC						
HEATING AIRFLOW (% OF TOTAL SUPPLY AIR)	%				50	30
HEATING CAPACITY	MBTUH				62.2	53.6
AIR ENTERING HEATING COIL	"F				55	55
AIR LEAVING HEATING COIL	"F				84	84
HHW ENTERING & LEAVING TEMPERATURE	"F - "F				160 - 140	160 - 140
WATER FLOW	GPM				6.2	5.4
RUNOUT PIPE SIZE	IN				1	1
CONTROL VALVE (TYPE)					3-WAY	3-WAY
SUPPLY FAN SECTION						
FAN TYPE		PLENUM	PLENUM	PLENUM	PLENUM	PLENUM
DRIVE TYPE		DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
FAN EFFICIENCY GRADE		FEG 85	FEG 85	FEG 85	FEG 85	FEG 85
FAN QUANTITY (INCLUDING REDUNDANCY)	#	1	1	1	1	1
REDUNDANCY		NONE	NONE	NONE	NONE	NONE
EXTERNAL STATIC PRESSURE	IN. WG	2.5	2.5	2.5	2	2.3
MAXIMUM TOTAL STATIC PRESSURE (INCLUDING DIRTY FILTER)	IN. WG	3.85	4.04	4.04	4.5	4.8
DIRTY FILTER ALLOWANCE	IN. WG	0.7	0.7	0.7	0.7	0.7
FAN MOTOR HORSEPOWER (PER FAN)	HP - BHP	15 - 12.5	15 - 12.7	20 - 17.5	7 1/2 - 5.6	10 - 7
ELECTRICAL CHARACTERISTICS & NO. OF CIRCUITS	V / PH - #	460 / 3 - 1	460 / 3 - 1	460 / 3 - 1	460 / 3 - 1	460 / 3 - 1
MCA / MOC (PER CIRCUIT)	AMPS - AMPS	26.3 - 45	26.3 - 45	33.8 - 60	13.8 - 20	17.5 - 30
VARIABLE FREQUENCY DRIVE		1 PER UNIT	1 PER UNIT	1 PER UNIT	1 PER UNIT	1 PER UNIT
SOUND CRITERIA						
		LEVEL LP-1	LEVEL LP-1	LEVEL LP-1	LEVEL LP-1	LEVEL LP-1
MANUFACTURER						
		TRANE	TRANE	TRANE	TRANE	TRANE
NOTES:						
1	BRAKE HORSEPOWER INDICATED IS MAXIMUM ALLOWED.					
2	INSTALL ALL UNITS LOCATED ABOVE GROUND LEVEL FINISHED FLOOR ENTIRELY WITHIN AN AUXILIARY DRAIN PAN. PROVIDE SWITCH INTERLOCKED WITH SUPPLY FAN IN DRAIN PAN.					
3	MAXIMUM ALLOWABLE DIMENSIONS FOR EQUIPMENT SHOWN IN AIR HANDLING UNIT LAYOUTS THIS PAGE. SUBMITTAL DATA SHALL INCLUDE INFORMATION DEMONSTRATING COMPLIANCE WITH MAXIMUM ALLOWABLE WIDTH INCLUDING COIL PULL.					
4	PROVIDE FANS WITH A MINIMUM DIAMETER OF 16 INCHES AND FAN EFFICIENCY GRADE AS INDICATED ABOVE.					
5	REFER TO OTHER EQUIPMENT SCHEDULES FOR PERFORMANCE REQUIREMENTS OF SPECIAL FEATURES.					
6	SUPPLY AIR OPENING SHALL BE OF SUFFICIENT SIZE TO MINIMIZE SYSTEM EFFECT FOR DISCHARGE INTO SUPPLY PLENUM.					
7	REFER TO SOUND CRITERIA SCHEDULE FOR SOUND PRESSURE LEVELS.					

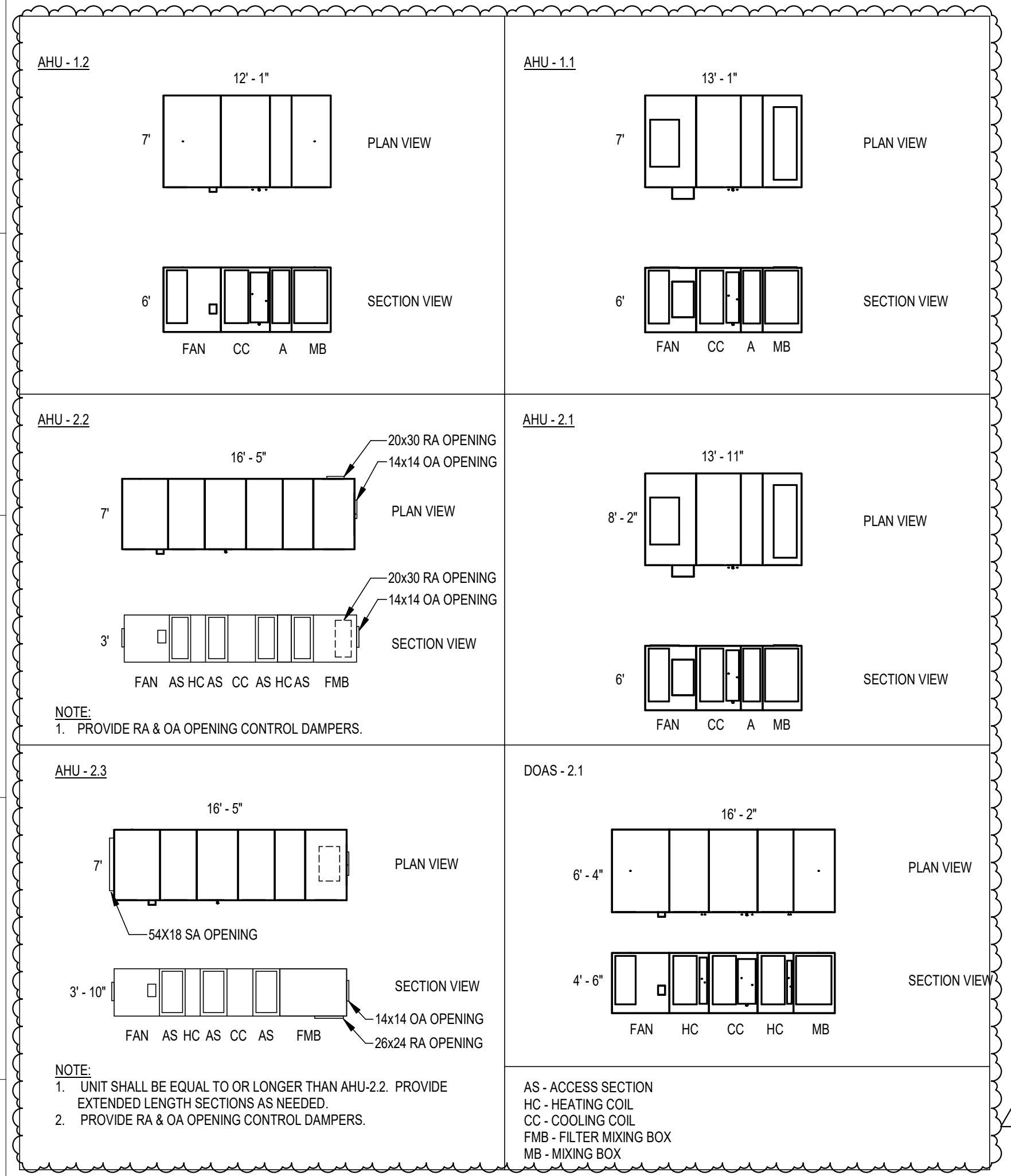
AIR COOLED CHILLER SCHEDULE

Chiller CH-2 is future

DESIGNATION	CH-1/2	
CHILLER UNIT DATA		
NOMINAL CAPACITY	TONS	200
REFRIGERATION CAPACITY TOTAL	TONS	196.8
NO. OF COMPRESSORS & NO. OF CIRCUITS	# - #	2 - 2
TYPE OF REFRIGERANT		R-134A
REFRIGERANT CHARGE	LBS.	436
OPERATING WEIGHT	LBS.	14,800
EVAPORATOR DATA		
WATER SUPPLY TEMPERATURE	"F	44
WATER RETURN TEMPERATURE	"F	59
FLOW RATE	GPM	280
PASSES	#	2
PRESSURE DROP	FT.	6.6
WORKING PRESSURE	PSIG	150
FOULING FACTOR	HR'S*F DEG/ BTU	0.00010
PERCENT ETHYLENE GLYCOL	%	0
CONDENSER DATA		
AMBIENT AIR TEMPERATURE	"F	98
NUMBER OF FANS	#	12
FAN TYPE		VARIABLE SPEED
CONDENSER COILS (TUBES / FINS)		MICROCHANNEL
CONDENSER COATING		NONE
PERFORMANCE DATA		
ENERGY EFFICIENCY RATIO (@ 100% LOAD)	BTU / (W*HR)	11.9
NPLV	BTU / (W*HR)	21.2
PLV	BTU / (W*HR)	21.2
ELECTRICAL DATA		
COMPRESSOR STARTER TYPE		VFD
ELECTRICAL CHARACTERISTICS & NO. OF CIRCUITS	V / PH - #	460 / 3 - 1
MCA	AMPS	330.0
MOC	AMPS	450.0
TOTAL POWER	KW	198.3
MANUFACTURER		
		TRANE
MODEL		
		ACR200
DETAIL REFERENCE		
		AM503
NOTES:		
1	PROVIDE SEPARATE 115V/10 POWER CONNECTION FOR EVAPORATOR HEAT TAPE.	
2	PROVIDE CONTROL POWER TRANSFORMER.	
3	PROVIDE VARIABLE FREQUENCY DRIVE AND UNIT CONTROLS HOUSED IN AN OUTDOOR RATED WEATHER TIGHT ENCLOSURE.	
4	CONDENSER ENVIRONMENT GUARD PREMIUM. PROVIDE ELECTRO-MECHANICALLY BONDED FLEXIBLE EPOXY COATING, 6,000 HOUR SALT SPRAY RESISTANCE PER ASTM B117 ON CONDENSER COIL.	
5	PROVIDE SUCTION SERVICE VALVES	
6	PROVIDE HOT GAS BYPASS	
7	PROVIDE EVAPORATOR NOZZLE EXTENSION KIT	
8	PROVIDE VARIABLE SPEED CONDENSER FANS	
9	PROVIDE WIRE LOUVERED ENCLOSURE PANELS	
10	PROVIDE COMPRESSOR ACOUSTIC SOUND BLANKET	
11	PROVIDE ULTRA QUIET FANS	
12	VARIABLE SPEED FANS	

HOT WATER BOILERS

DESIGNATION	B-1	
FUEL TYPE		
		NATURAL GAS
INSTALLATION RATING		
		INDOOR
TYPE		
		CONDENSING
HEAT EXCHANGER TYPE		
		WATERTUBE
HEAT EXCHANGER MATERIAL		
		STAINLESS STEEL
INPUT CAPACITY		
	MBTUH	1,500
OUTPUT CAPACITY		
	MBTUH	1,456
EFFICIENCY		
	%	97
TURN DOWN		
	RATIO	5 : 1
WATER SUPPLY TEMPERATURE		
	"F	180
WATER RETURN TEMPERATURE		
	"F	160
WATER FLOW		
	GPM	146
ELECTRICAL CHARACTERISTICS		
	V / PH	208 / 1
MANUFACTURER		
		PATTERSON-KELLEY
MODEL NUMBER		
		SC-1500
DETAIL REFERENCE		
		EM502
NOTES:		
1	PROVIDE SEALED DIRECT VENT KIT.	
2	PROVIDE LOW WATER CUT-OFF - REMOVE PROBE.	
3	PROVIDE MANUAL HIGH AND LOW GAS PRESSURE SWITCH.	
4	PROVIDE HIGH LIMIT CONTROL - MANUAL RESET.	
5	PROVIDE CONDENSATE NEUTRALIZATION KIT.	
6	PROVIDE DOCUMENTATION OF ALL START-UP INTERNAL CONFIGURATIONS AND SET-POINTS TO ENGINEER PRIOR TO SUBSTANTIAL COMPLETION	
7	PROVIDE MOTORIZED DAMPERS ON (FLUE AND) COMBUSTION AIR VENTS.	



NOTE:
1. PROVIDE RA & OA OPENING CONTROL DAMPERS.
2. UNIT SHALL BE EQUAL TO OR LONGER THAN AHU-2.2. PROVIDE EXTENDED LENGTH SECTIONS AS NEEDED.
3. PROVIDE RA & OA OPENING CONTROL DAMPERS.

AS - ACCESS SECTION
HC - HEATING COIL
CC - COOLING COIL
FMB - FILTER MIXING BOX
MB - MIXING BOX

PUMPS						
DESIGNATION		CHWP-1/2	CHWP-3/4	HHWP-1	HHWP-2/3	
APPLICATION						
SERVICE		CHW	CHW	HHW	HHW	
DISTRIBUTION TYPE		PRIMARY	SECONDARY	SECONDARY	SECONDARY	
LOCATION TYPE		EXTERIOR	INTERIOR	INTERIOR	INTERIOR	
DESIGN CRITERIA						
TOTAL SYSTEM DESIGN FLOW	GPM	300	300	150	150	
PUMP SEQUENCING	DUTY	DUTY	DUTY / STANDBY	DUTY	DUTY / STANDBY	
PUMP QUANTITY (INCLUDING REDUNDANCY)	#	1	2	1	2	
PERFORMANCE						
PUMP TYPE		SPLIT-COUPLED END SUCTION	CLOSE-COUPLED END SUCTION	CLOSE-COUPLED END SUCTION	CLOSE-COUPLED END SUCTION	
PERCENT OF DESIGN FLOW	%	100	100	100	100	
CAPACITY	GPM	300	300	150	150	
TOTAL DYNAMIC HEAD	FT.	35	60	35	60	
EFFICIENCY	%	83	77	77	73	
SHUT-OFF HEAD	FT.	45	70	46	72	
IMPELLER DIAMETER	IN.	6.2	8.25	6.35	8.0	
PUMP SEAL		MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL	
MOTOR SPEED	RPM	1,760	1,760	1,760	1,760	
MOTOR HORSEPOWER	HP - BHP	5 - 3.2	10 - 5.9	3 - 2	5 - 3.5	
MOTOR ENCLOSURE		TEFC	ODP	ODP	ODP	
MOTOR WINDING		FULL	FULL	FULL	FULL	
ELECTRICAL CHARACTERISTICS	V / PH	460 / 3	460 / 3	460 / 3	460 / 3	
MCA / MOCP	AMPS - AMPS	9.5 - 15	17.5 - 30	6.0 - 15	9.5 - 15	
VARIABLE FREQUENCY DRIVE		NO	YES	NO	YES	
NOTES		N/A	N/A	N/A	N/A	
MANUFACTURER		TACO	TACO	TACO	TACO	
MODEL NUMBER		FI 3007D	CI 3009D	CI 2007D	CI 2009D	
DETAIL REFERENCE		BM501	BM501	CM501	CM501	
NOTES:						
1	PROVIDE BRONZE WEAR RING					
2	PROVIDE FROM FACTORY SECOND COAT OF PAINT OR CORROSIVE RESISTANT FINISH FOR EXTERIOR PUMP.					

Pump CHWP-2 is future

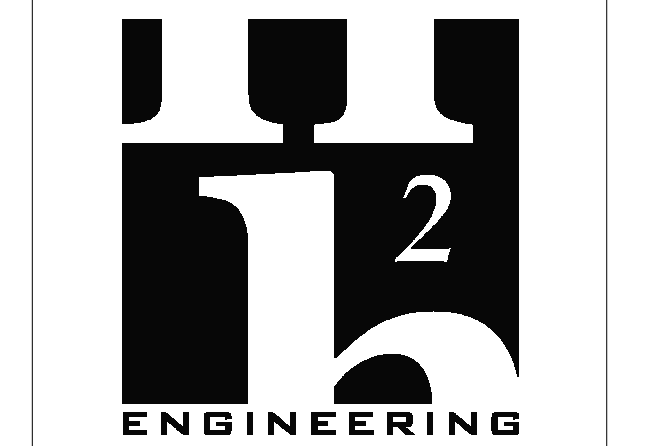
COMPUTER ROOM AIR CONDITIONING UNITS			
UNIT DESIGNATION		CRAC-1.1 / 1.2	
BLOWER CONFIGURATION		UPFLOW	
SUPPLY AIR DISCHARGE LOCATION		TOP	
RETURN AIR LOCATION		BOTTOM	
FILTER TYPE		2" THICK PLEATED	
UNIT WEIGHT	LBS.	675	
SUPPLY FAN DATA			
SUPPLY AIR	CFM	4,300	
EXTERNAL STATIC PRESSURE	IN. WG	0.2	
BLOWER (ECM)	HP - QTY	4.2 - 1	
COOLING COIL DATA - HYDRONIC			
TOTAL COOLING CAPACITY	MBTUH	87.4	
SENSIBLE COOLING CAPACITY	MBTUH	82.2	
AIR ENTERING COOLING COIL	*Fdb - *Fwb	75.0 - 61.0	
CHW ENTERING & LEAVING TEMPERATURE	*F - *F	44 - 54	
WATER FLOW	GPM	19.4	
PRESSURE DROP	FT.	13.1	
FACE VELOCITY	FPM	490	
GLYCOL CONCENTRATION	%	0	
RUNOUT PIPE SIZE	IN.	1 1/2	
CONDENSATE DRAIN SIZE	IN.	3/4	
CONTROL VALVE (TYPE)		2-WAY	
ELECTRICAL DATA			
ELECTRICAL CHARACTERISTICS	V / PH	460 / 3	
FULL LOAD AMPS	AMPS	5	
MAXIMUM OVERCURRENT PROTECTION	AMPS	15	
MANUFACTURER		LIEBERT	
MODEL NUMBER		PCV029	
DETAIL REFERENCE		HM501	
NOTES:			
1	PROVIDE ADJUSTABLE HEIGHT FLOOR STAND		
2	PROVIDE ECM FANS		
3	PROVIDE CONDENSATE PUMP		
4	PROVIDE FLOW SWITCH TO ACTIVATE WARNING SYSTEM		
5	PROVIDE FLOAT SWITCH IN PRIMARY DRAIN PAN		
6	PROVIDE UNIT MOUNTED ELECTRICAL DISCONNECT SWITCH		

DEDICATED OUTDOOR AIR UNITS			
DESIGNATION		DOAS-2.1	
AIR FLOW RATES			
TOTAL SUPPLY AIR	CFM	6,000	
OUTSIDE AIR	CFM	6,000	
MINIMUM SUPPLY FAN SPEED SETTING	%	100	
MINIMUM OUTSIDE AIR FLOW SETTING	CFM	6,000	
PRE-FILTER SECTION			
DAMPERS		OA	
FILTER ORIENTATION		ANGLED	
TYPE OF FILTER		2" THICK PLEATED	
PREHEAT COIL DATA - HYDRONIC			
HEATING CAPACITY	MBTUH	275.6	
AIR ENTERING HEATING COIL	*F	37	
AIR LEAVING HEATING COIL	*F	55	
HHW ENTERING & LEAVING TEMPERATURE	*F - *F	180 - 160	
WATER FLOW	GPM	28	
RUNOUT PIPE SIZE	IN.	2	
CONTROL VALVE (TYPE)		2-WAY	
COOLING COIL DATA - HYDRONIC			
TOTAL COOLING CAPACITY	MBTUH	449.0	
SENSIBLE COOLING CAPACITY	MBTUH	259.0	
AIR ENTERING COOLING COIL	*Fdb - *Fwb	94.0 - 76.0	
AIR LEAVING COOLING COIL	*Fdb - *Fwb	54.0 - 53.5	
CHW ENTERING & LEAVING TEMPERATURE	*F - *F	44 - 59	
WATER FLOW	GPM	60	
MINIMUM FACE AREA (@ 450 FPM)	SQ. FT.	13.3	
GLYCOL CONCENTRATION	%	0	
RUNOUT PIPE SIZE	IN.	2 1/2	
CONDENSATE DRAIN SIZE	IN.	1 1/4	
CONTROL VALVE (TYPE)		2-WAY	
SUPPLY FAN SECTION			
FAN TYPE		FAN ARRAY	
DRIVE TYPE		DIRECT	
FAN EFFICIENCY GRADE		FEG 85	
FAN QUANTITY (INCLUDING REDUNDANCY)	#	1	
REDUNDANCY		NONE	
EXTERNAL STATIC PRESSURE	IN. WG	1.5	
MAXIMUM TOTAL STATIC PRESSURE (INCLUDING DIRTY FILTER)	IN. WG	3.75	
DIRTY FILTER ALLOWANCE	IN. WG	0.7	
FAN MOTOR HORSEPOWER (PER FAN)	HP - BHP	7 1/2 - 4.6	
FAN MOTOR HORSEPOWER (UNIT TOTAL @ DESIGN)	HP - BHP	7 1/2 - 4.6	
ELECTRICAL CHARACTERISTICS & NO. OF CIRCUITS	V / PH - #	460 / 3 - 1	
MCA / MOCP (PER CIRCUIT)	AMPS - AMPS	13.8 - 20	
VARIABLE FREQUENCY DRIVE		1 PER UNIT	
SOUND CRITERIA		LEVEL LP-1	
SPECIAL FEATURES			
HEAT PIPE		YES	
RUN-AROUND LOOP		N/A	
HUMIDIFIER		N/A	
ENERGY RECOVERY [WHEEL] [CUBE]		N/A	
DESICCANT WHEEL		N/A	
CONDENSING UNIT		N/A	
FACE-AND-BYPASS		N/A	
RETURN AIR BYPASS		N/A	
OUTSIDE AIR BYPASS		N/A	
MANUFACTURER		TRANE	
NOTES:			
1	BRAKE HORSEPOWER INDICATED IS MAXIMUM ALLOWED.		
2	INSTALL ALL UNITS LOCATED ABOVE GROUND LEVEL FINISHED FLOOR ENTIRELY WITHIN AN AUXILIARY DRAIN PAN. PROVIDE SWITCH INTERLOCKED WITH SUPPLY FAN IN DRAIN PAN.		
3	MAXIMUM ALLOWABLE DIMENSIONS FOR EQUIPMENT SHOWN IN AIR HANDLING UNIT LAYOUTS THIS PAGE. SUBMITTAL DATA SHALL INCLUDE INFORMATION DEMONSTRATING COMPLIANCE WITH MAXIMUM ALLOWABLE WIDTH INCLUDING COIL PULL.		
4	PROVIDE FANS WITH A MINIMUM DIAMETER OF 16 INCHES AND FAN EFFICIENCY GRADE AS INDICATED ABOVE.		
5	REFER TO OTHER EQUIPMENT SCHEDULES FOR PERFORMANCE REQUIREMENTS OF SPECIAL FEATURES.		
6	SUPPLY AIR OPENING SHALL BE OF SUFFICIENT SIZE TO MINIMIZE SYSTEM EFFECT FOR DISCHARGE INTO SUPPLY PLENUMDUCT.		
7	REFER TO SOUND CRITERIA SCHEDULE FOR SOUND PRESSURE LEVELS.		



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS
ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
LICENSE # A-140000988 IN 0000153

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2
THE SCALE NOTED ON THESE DRAWINGS.



H2 ENGINEERING
HGE PROJECT No. 17-17
114 EAST 5TH AVENUE TALLAHASSEE, FL
32303 PHONE 850 224 7922
www.h2engineering.com

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02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE
15 JANUARY 2025

PROJECT NO
68100

SHEET TITLE

SCHEDULES

SHEET NO
M402

REV NO

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ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
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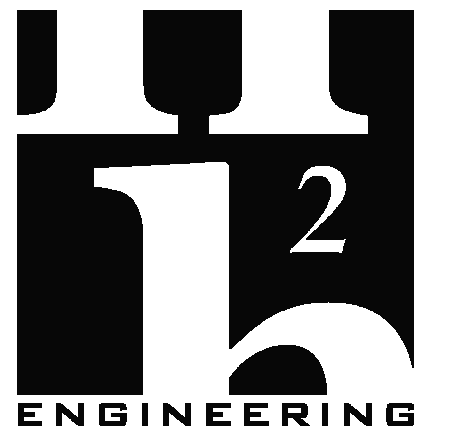
SUPPLY AIR TERMINALS - SHUTOFF WITH HOT WATER REHEAT

DESIGNATION (SAT-)		SAT-1.1.1	SAT-1.1.2	SAT-1.1.3	SAT-1.1.4	SAT-1.1.5	SAT-1.1.6	SAT-1.1.7	SAT-1.1.8	SAT-1.1.9	SAT-1.1.10	SAT-1.1.11	SAT-1.1.12	SAT-1.1.13	SAT-1.1.14	SAT-1.1.15	SAT-1.1.16	
AIR VALVE																		
NOMINAL DIAMETER	IN.	8	8	8	8	10	6	8	8	8	6	8	8	8	14	8	8	
MAX TOTAL UNIT PRESSURE DROP	IN. WG	0.25	0.25	0.25	0.25	0.40		0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
AIR FLOW RATES																		
MAXIMUM COOLING	CFM	660	700	580	450	1,170	200	770	470	680	340	500	610	440	1,710	640	720	
MINIMUM COOLING	CFM	200	210	180	150	360	200	240	150	210	110	150	190	150	600	200	220	
MAXIMUM HEATING	CFM	210	240	210	180	400		280	185	250	140	175	220	300	750	230	250	
MINIMUM HEATING	CFM	200	210	180	150	360		240	150	210	110	150	190	150	600	200	220	
HEATING COIL DATA - HYDRONIC																		
HEATING CAPACITY	MBTUH	8.1	9.2	8.1	6.9	15.4		10.8	7.1	9.6	5.4	6.7	8.5	11.6	28.9	8.9	9.6	
AIR ENTERING HEATING COIL	*F	55	55	55	55	55		55	55	55	55	55	55	55	55	55	55	
AIR LEAVING HEATING COIL	*F	90	90	90	90	90		90	90	90	90	90	90	90	90	90	90	
HHW ENTERING & LEAVING TEMPERATURE	*F - *F	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160		180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	
WATER FLOW	GPM	0.8	0.9	0.8	0.7	1.5		1.1	0.7	1	0.5	0.7	0.8	1.2	2.9	0.9	1	
RUNOUT PIPE SIZE	IN.	3/4	3/4	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
MINIMUM # OF ROWS	#	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	
CONTROL VALVE (TYPE)		2-WAY	2-WAY	2-WAY	2-WAY	2-WAY		2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	
SOUND CRITERIA - (NOTE 1)																		
INTEGRAL SILENCER		NO	NO	NO	NO	NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
MAX DISCHARGE SOUND RATING	NC	30	30	30	30	30		30	30	30	30	30	30	30	20	30	30	
MAX RADIATED SOUND RATING	NC	25	25	25	25	30		25	25	25	25	25	25	25	30	25	25	
NOTES:																		
1	BASED ON 1.0 IN. WG PRESSURE DROP ACROSS UNIT																	

SUPPLY AIR TERMINALS - SHUTOFF WITH HOT WATER REHEAT

DESIGNATION (SAT-)		SAT-1.2.1	SAT-1.2.2	SAT-1.2.3	SAT-1.2.4	SAT-1.2.5	SAT-1.2.6	SAT-1.2.7	SAT-1.2.8	SAT-1.2.9	SAT-1.2.10	SAT-1.2.11	SAT-1.2.12	SAT-1.2.13	SAT-1.2.14	SAT-1.2.15
AIR VALVE																
NOMINAL DIAMETER	IN.	6	8	8	8	14	8	10	10	6	8	10	8	6	8	8
MAX TOTAL UNIT PRESSURE DROP	IN. WG	0.25	0.25	0.25	0.25	0.25	0.25	0.40	0.40	0.25	0.25	0.40	0.25	0.25	0.25	0.25
AIR FLOW RATES																
MAXIMUM COOLING	CFM	390	690	500	530	1,880	450	830	980	280	530	850	520	350	590	600
MINIMUM COOLING	CFM	120	210	150	160	600	150	250	300	90	160	260	160	110	180	180
MAXIMUM HEATING	CFM	150	230	180	190	660	180	320	350	110	230	325	200	110	220	210
MINIMUM HEATING	CFM	120	210	150	160	600	150	250	300	90	160	260	160	110	180	180
HEATING COIL DATA - HYDRONIC																
HEATING CAPACITY	MBTUH	5.8	8.9	6.9	7.3	25.4	6.9	12.3	13.5	4.2	8.9	12.5	7.7	4.2	8.5	8.1
AIR ENTERING HEATING COIL	*F	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
AIR LEAVING HEATING COIL	*F	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
HHW ENTERING & LEAVING TEMPERATURE	*F - *F	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160
WATER FLOW	GPM	0.6	0.9	0.7	0.7	2.5	0.7	1.2	1.3	0.5	0.9	1.3	0.8	0.5	0.8	0.8
RUNOUT PIPE SIZE	IN.	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
MINIMUM # OF ROWS	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CONTROL VALVE (TYPE)		2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY
SOUND CRITERIA - (NOTE 1)																
INTEGRAL SILENCER		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
MAX DISCHARGE SOUND RATING	NC	30	30	30	30	20	30	30	30	30	30	30	30	30	30	30
MAX RADIATED SOUND RATING	NC	25	25	25	25	30	25	30	30	25	25	30	25	25	25	25
NOTES:																
1	BASED ON 1.0 IN. WG PRESSURE DROP ACROSS UNIT															

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2
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RECEIVED
ALLSTATE CONSTRUCTION
02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE
15 JANUARY 2025

DRAWN BY
JDR

PROJECT NO
68100

CHECKED BY
JLT

SHEET TITLE

SCHEDULES

SHEET NO
M403

REV NO

SUPPLY AIR TERMINALS - SHUTOFF WITH HOT WATER REHEAT

DESIGNATION (SAT-)		SAT-2.1.1	SAT-2.1.2	SAT-2.1.3	SAT-2.1.4	SAT-2.1.5	SAT-2.1.6	SAT-2.1.7	SAT-2.1.8	SAT-2.1.9	SAT-2.1.10	SAT-2.1.11	SAT-2.1.12	SAT-2.1.13	SAT-2.1.14	SAT-2.1.15	SAT-2.1.16	SAT-2.1.17	SAT-2.1.18	
AIR VALVE																				
NOMINAL DIAMETER	IN.	8	10	10	8	10	6	10	8	10	8	8	10	10	8	10	10	8	6	
MAX TOTAL UNIT PRESSURE DROP	IN. WG	0.25	0.40	0.40	0.25	0.40	0.25	0.40	0.25	0.40	0.25	0.25	0.40	0.40	0.25	0.40	0.40	0.25	0.15	
AIR FLOW RATES																				
MAXIMUM COOLING	CFM	480	1,300	1,080	420	1,120	400	840	670	840	450	480	1,030	1,080	450	850	1,050	660	300	
MINIMUM COOLING	CFM	150	390	330	150	340	120	260	210	240	150	150	310	330	150	260	320	200	90	
MAXIMUM HEATING	CFM	175	420	425	175	380	160	300	230	330	180	180	355	420	180	310	380	250		
MINIMUM HEATING	CFM	150	390	330	150	340	120	260	210	240	150	150	310	330	150	260	320	200		
HEATING COIL DATA - HYDRONIC																				
HEATING CAPACITY	MBTUH	6.7	16.2	16.4	6.7	14.6	6.2	11.6	8.9	12.7	6.9	6.9	13.7	16.2	6.9	11.9	14.6	9.6		
AIR ENTERING HEATING COIL	°F	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55		
AIR LEAVING HEATING COIL	°F	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90		
HHW ENTERING & LEAVING TEMPERATURE	°F - °F	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160	180 - 160		
WATER FLOW	GPM	0.7	1.6	1.6	0.7	1.5	0.6	1.2	0.9	1.3	0.7	0.7	1.4	1.6	0.7	1.2	1.5	1		
RUNOUT PIPE SIZE	IN.	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
MINIMUM # OF ROWS	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
CONTROL VALVE (TYPE)		2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY		
SOUND CRITERIA - (NOTE 1)																				
INTEGRAL SILENCER		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		
MAX DISCHARGE SOUND RATING	NC	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
MAX RADIATED SOUND RATING	NC	25	30	30	25	30	25	30	25	30	25	25	30	30	25	30	30	25		
NOTES:																				
1	BASED ON 1.0 IN. WG PRESSURE DROP ACROSS UNIT																			

DESIGNATION		EF-1.1	EF-1.2	SF-1.1	EF-2.1	EF-2.2
SERVICE		CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST
MOUNTING METHOD		ROOF	ROOF	SUSPENDED	CEILING	ROOF
FAN TYPE		CENTRIFUGAL UPBLAST	CENTRIFUGAL UPBLAST	CENTRIFUGAL SQUARE IN LINE	CENTRIFUGAL CABINET	CENTRIFUGAL UPBLAST
AIR FLOW	CFM	1,600	1,600	1,200	120	100
STATIC PRESSURE	IN.	0.50	0.50	0.40	0.25	0.25
AIRSTREAM TEMPERATURE	DEG F	70	70	70	70	70
FAN SPEED	RPM	1,725	1,725	1,725	1,100	1,725
FAN DRIVE		DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
MOTOR SPEED	RPM	1,725	1,725	1,725	1,100	1,725
MOTOR POWER	HP or W	1/2 HP	1/2 HP	1/4 HP	22 W	1/4 HP
MOTOR BRAKE HORSEPOWER	BHP	0.44	0.44	0.24	0.01	0.24
ELECTRONICALLY COMMUTATED MOTOR		NO	NO	NO	NO	NO
ELECTRICAL CHARACTERISTICS	V / PH	120 / 1	120 / 1	277 / 1	120 / 1	277 / 1
WEIGHT	LBS.	80	80	35	17	35
NOISE LEVEL (RADIATED)	SONES or LWA	18.1 SONES	18.1 SONES	11.4 SONES	0.4 SONES	7.6 SONES
STANDARD NOTES		1, 2, 3, 4, 7, 9	1, 2, 3, 4, 7, 9	1, 2, 4, 10, 14, 15, 16, 17, 18	1, 2, 4, 11, 20, 21	1, 2, 4, 10, 14, 15, 16, 17, 18
SPECIAL NOTES		19	19	19	20	19
MANUFACTURER		GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
MODEL NUMBER		CUE-120-A	CUE-120-A	SQ-100	SP-A125	SQ-100
DETAIL REFERENCE		HM504	HM504	GM504		GM504
NOTES:						
1	PROVIDE PRE-WIRED DISCONNECT SWITCH, FACTORY MOUNTED.					
2	PROVIDE SOLID STATE SPEED CONTROLLER, FACTORY MOUNTED.					
3	PROVIDE BIRD SCREEN.					
4	PROVIDE BACKDRAFT DAMPER, GRAVITY OPERATED.					
7	PROVIDE PRE-FABRICATED INSULATED ROOF CURB, 12-INCH HIGH WITH DAMPER TRAY, SLOPED TO MATCH ROOF SLOPE.					
9	PROVIDE TIE-DOWN EYELETS.					
10	PROVIDE SPRING ISOLATORS.					
11	PROVIDE RUBBER-IN-SHEAR ISOLATORS.					
12	PROVIDE WALL COLLAR.					
13	PROVIDE VIBRATION ISOLATION RAILS WITH HOUSED SPRINGS.					
14	PROVIDE INSULATED HOUSING.					
15	PROVIDE SIDE DISCHARGE ARRANGEMENT (WHERE INDICATED ON PLANS).					
16	PROVIDE INLET COMPANION FLANGE (WHERE CONNECTED TO DUCTWORK).					
17	PROVIDE OUTLET COMPANION FLANGE (WHERE CONNECTED TO DUCTWORK).					
18	PROVIDE WIRE GUARD (WHERE NOT CONNECTED TO DUCTWORK).					
19	FAN SHALL RUN CONTINUOUSLY DURING OCCUPIED HOURS.					
20	FAN SHALL INTERLOCK WITH LIGHT SWITCH.					
21	PROVIDE FAN WITH WHITE ALUMINUM GRILL FACE.					

DESIGNATION		LPV-1
SERVICE		INTAKE
AIRFLOW	CFM	6,000
THROAT SIZE	IN. x IN.	48 x 48
HEIGHT	IN.	23
WEIGHT	LBS.	213
MANUFACTURER		GREENHECK
MODEL NUMBER		EHH-601PD
DETAIL REFERENCE		JM504
NOTES:		
1	PROVIDE PREFABRICATED ROOF CURB WITH WELDED CAP CORNERS AND DAMPER TRAY.	
2	PROVIDE BACKDRAFT DAMPER (ONLY FOR RELIEF SERVICE)	
3	PROVIDE ALUMINUM BIRD SCREEN.	
4	PROVIDE MIAMI-DADE COMPLIANT.	

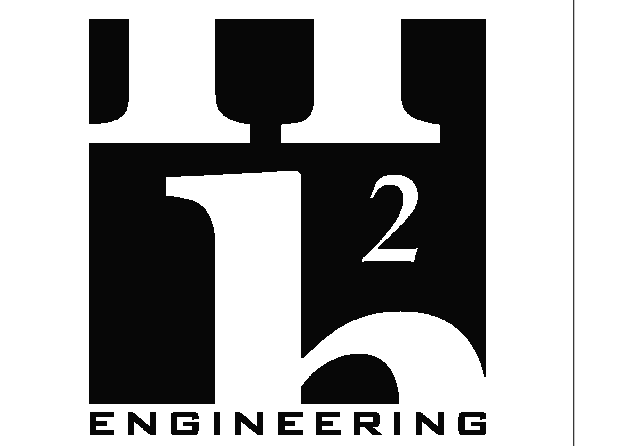
DESIGNATION		FCU-1.1	FCU-2.1	FCU-2.2
AIR FLOW RATES				
TOTAL SUPPLY AIR	CFM	500	500	500
COOLING COIL DATA				
TOTAL COOLING CAPACITY	MBTUH	14.9	14.9	14.9
SENSIBLE COOLING CAPACITY	MBTUH	12.0	12.0	12.0
AIR ENTERING COOLING COIL	°Fdb - °Fwb	76.8 - 64.0	76.8 - 64.0	76.8 - 64.0
AIR LEAVING COOLING COIL	°Fdb - °Fwb	54.5 - 54.0	54.5 - 54.0	54.5 - 54.0
CHW ENTERING & LEAVING TEMPERATURE	°F - °F	44.5 - 58.0	44.5 - 58.0	44.5 - 58.0
WATER FLOW	GPM	2.2	2.2	2.2
GLYCOL CONCENTRATION	%	0	0	0
RUNOUT PIPE SIZE	IN.	3/4	3/4	3/4
CONDENSATE DRAIN SIZE	IN.	3/4	3/4	3/4
CONTROL VALVE (TYPE)		3-WAY	3-WAY	3-WAY
HEATING COIL DATA - HYDRONIC				
HEATING CAPACITY	MBTUH		13.8	
AIR ENTERING HEATING COIL	°F		60	
AIR LEAVING HEATING COIL	°F		85	
HHW ENTERING & LEAVING TEMPERATURE	°F - °F		180.0 - 160.0	
WATER FLOW	GPM		1.4	
RUNOUT PIPE SIZE	IN.		3/4	
CONTROL VALVE (TYPE)			3-WAY	
SUPPLY FAN DATA				
FAN TYPE		TANGENTIAL	TANGENTIAL	TANGENTIAL
DRIVE TYPE		DIRECT	DIRECT	DIRECT
FAN MOTOR HORSEPOWER	HP	1/4	1/4	1/4
ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	208 / 1	208 / 1
UNIT DATA				
ORIENTATION		HORIZONTAL	HORIZONTAL	HORIZONTAL
WEIGHT	LBS	62	62	62
FILTER		1" THICK PLEATED	1" THICK PLEATED	1" THICK PLEATED
MANUFACTURER				
ENVIRO-TEC		ENVIRO-TEC	ENVIRO-TEC	ENVIRO-TEC
MODEL NUMBER		HPP-08	HPP-08	HPP-08
NOTES:				
1	PROVIDE WALL MOUNTED THERMOSTAT. UNIT TO BE CONTROLLED ON/OFF BASED ON ROOM TEMPERATURE (SET POINT 75 DEG ADJ.)			
2	INSTALL ALL UNITS LOCATED ABOVE GROUND LEVEL FINISHED FLOOR ENTIRELY WITHIN AN AUXILIARY DRAIN PAN. PROVIDE SWITCH INTERLOCKED WITH SUPPLY FAN IN DRAIN PAN.			
3	UNIT FCU-2.1 SHALL BE MOUNTED ABOVE CEILING WITH CEILING ACCESS PANEL. BOTTOM RETURN AND TELESCOPING RETURN CONNECTION.			
4	UNIT FCU-1.1 AND FCU-2.2 SHALL BE HORIZONTALLY MOUNTED WITH A REAR RETURN.			



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
LICENSE # A-14000407-01 02/00153

NOTE:
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THE SCALE NOTED ON THESE DRAWINGS.



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Jeffrey Lee Tyler, State of Florida,
Professional Engineer, License No. 57093

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02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

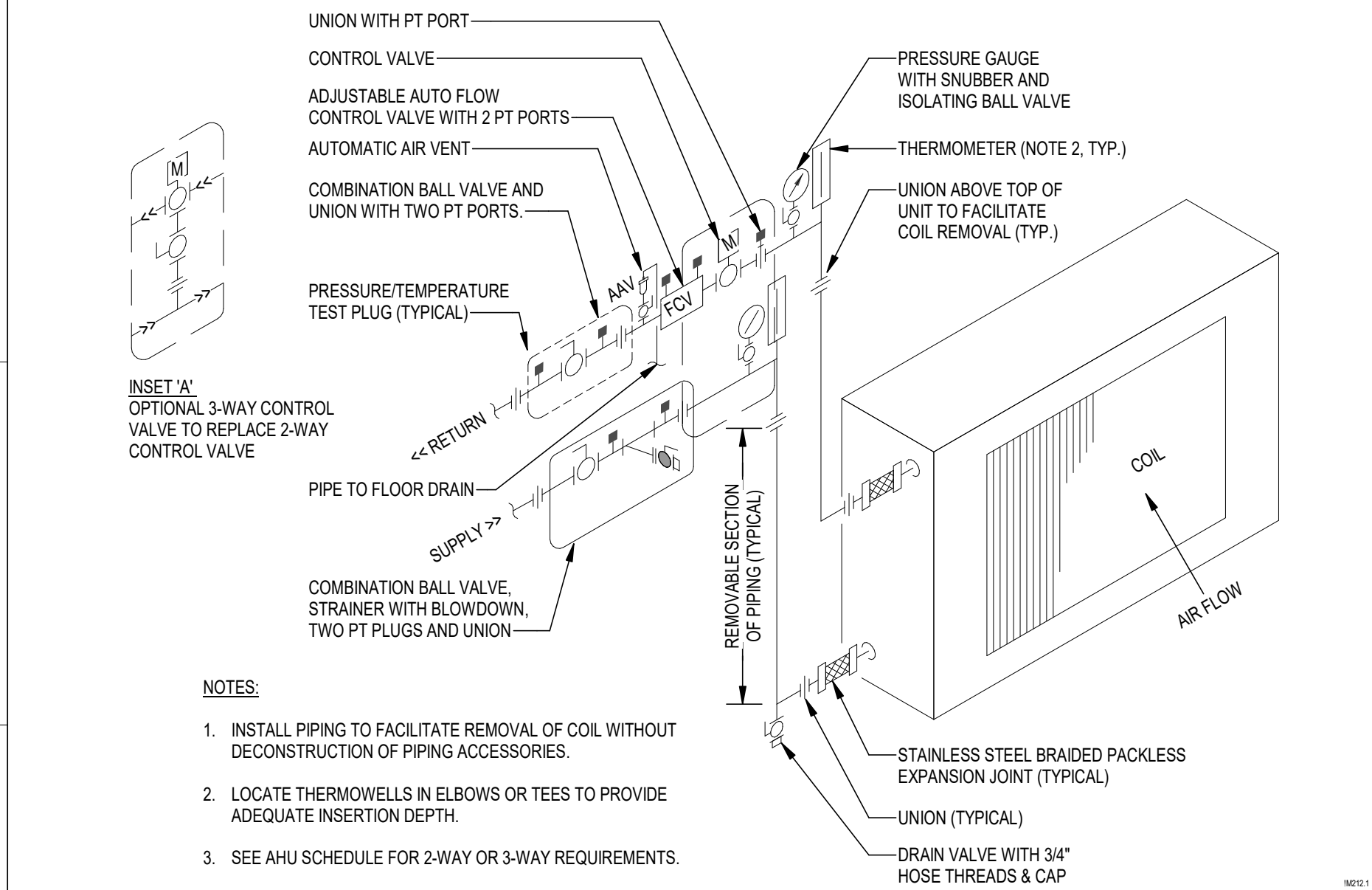
PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE 15 JANUARY 2025	DRAWN BY JDR
PROJECT NO 68100	CHECKED BY JLT

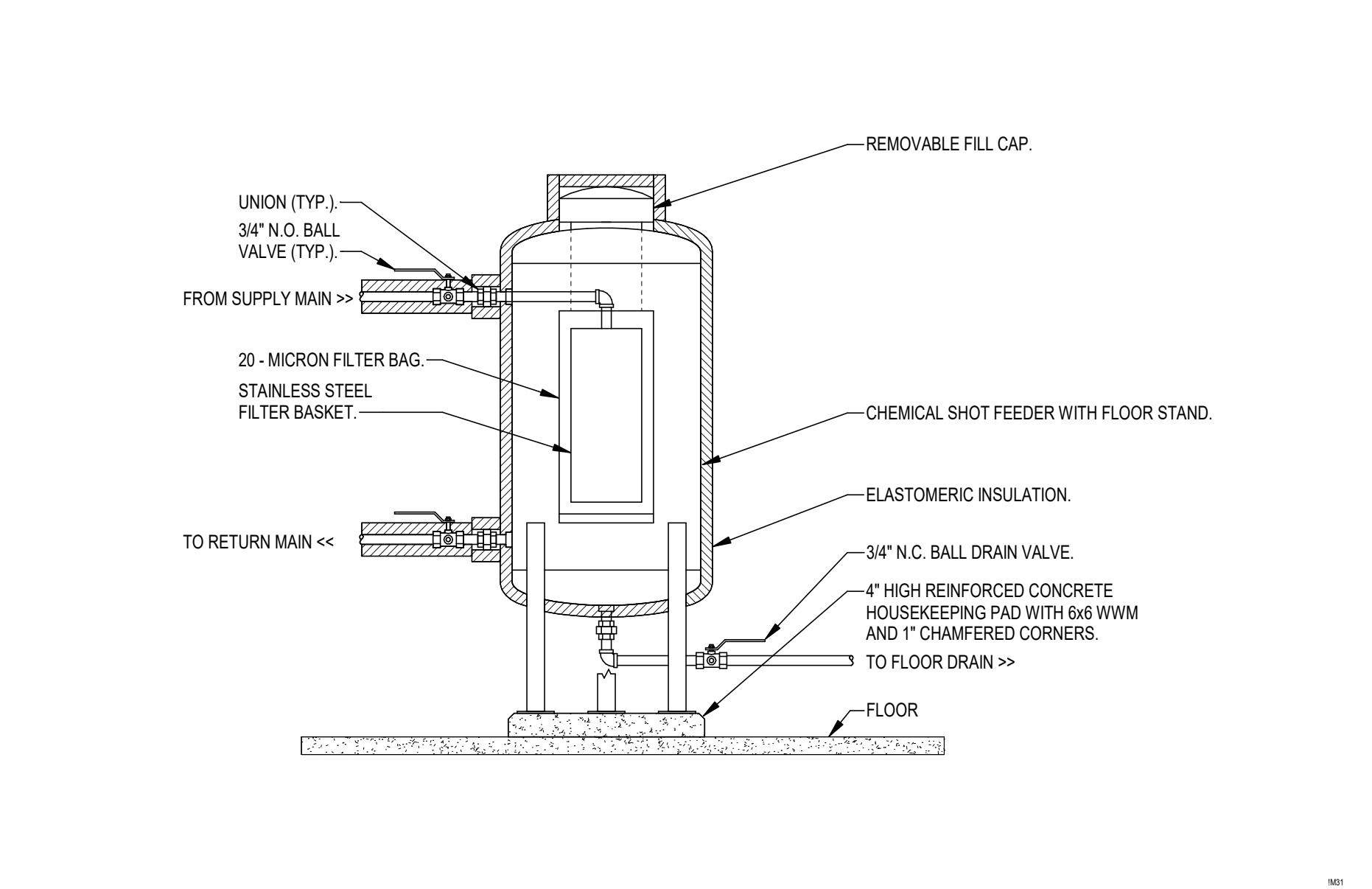
SHEET TITLE
SCHEDULES

SHEET NO M404	REV NO
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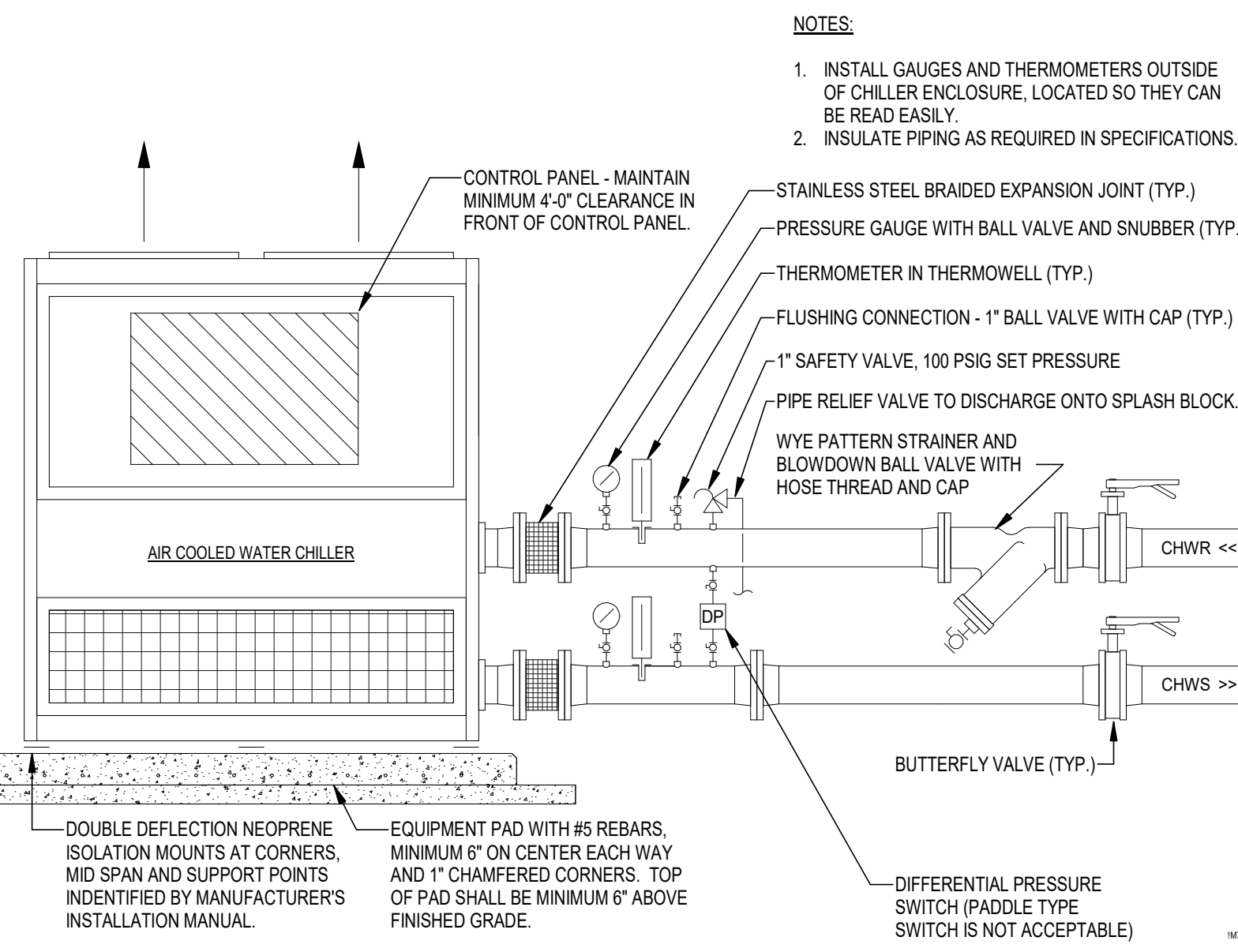
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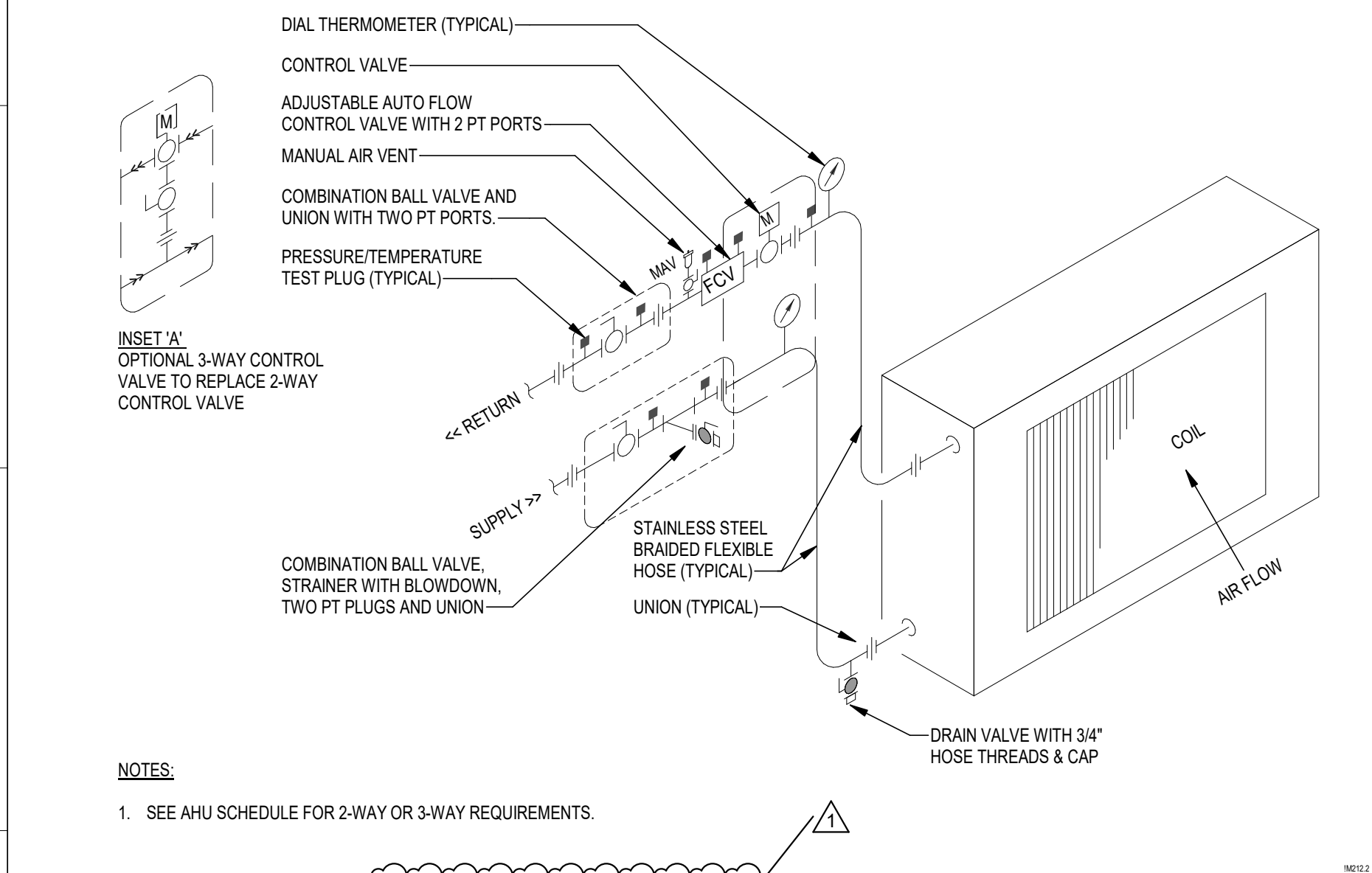
G AHU COIL PIPING (2" AND SMALLER)



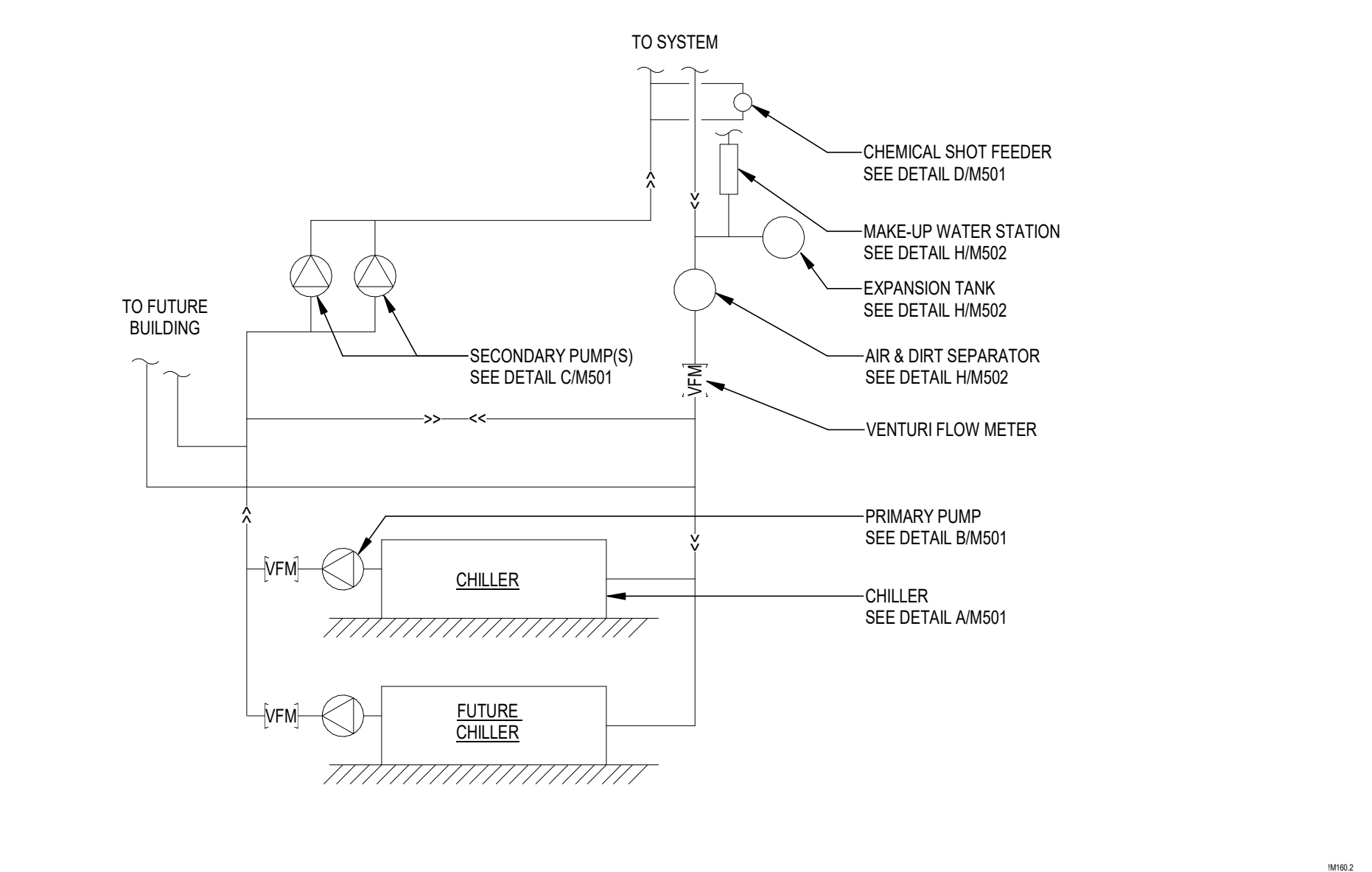
D CHEMICAL SHOT BYPASS FEEDER



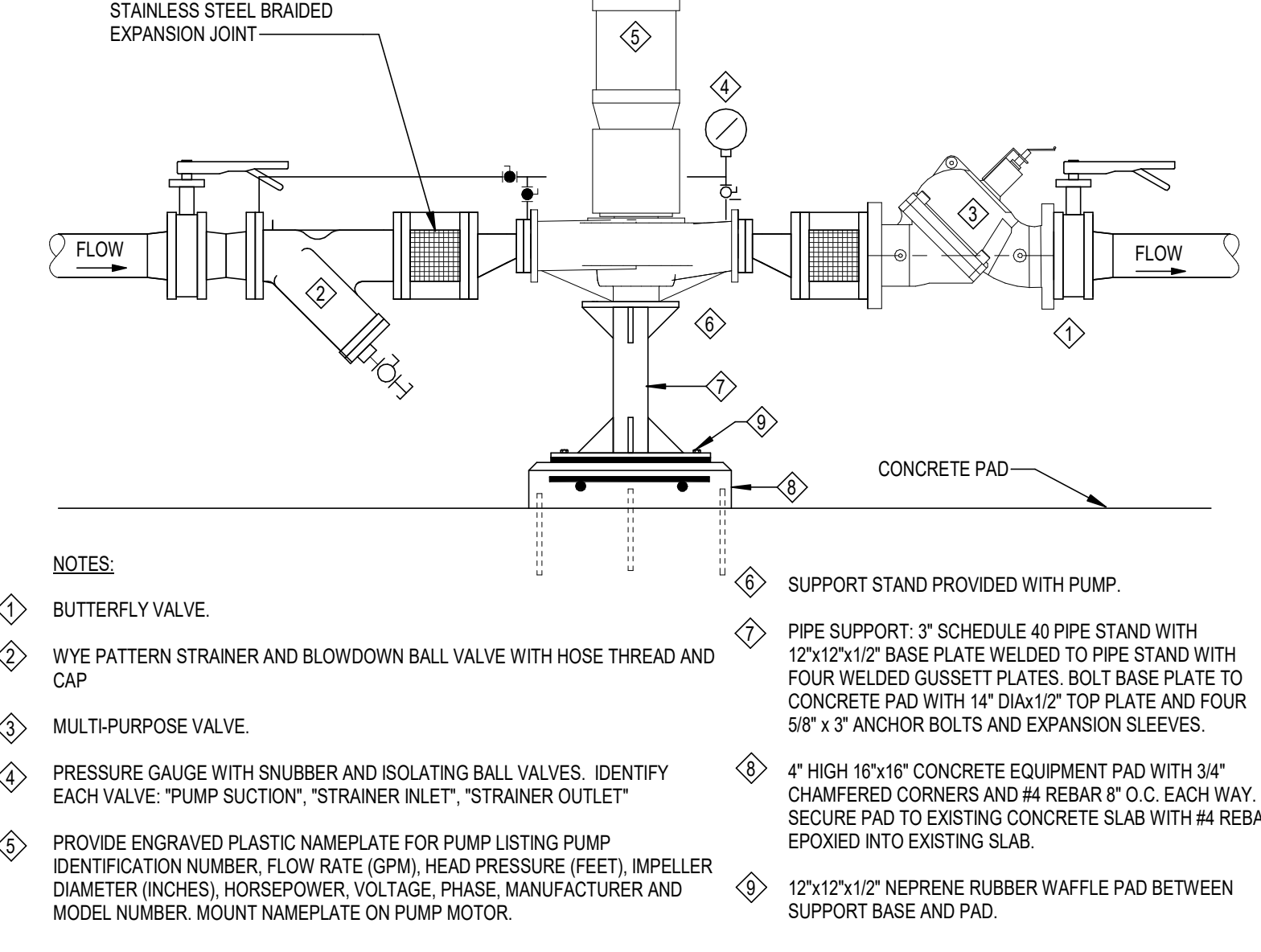
A AIR COOLED CHILLER



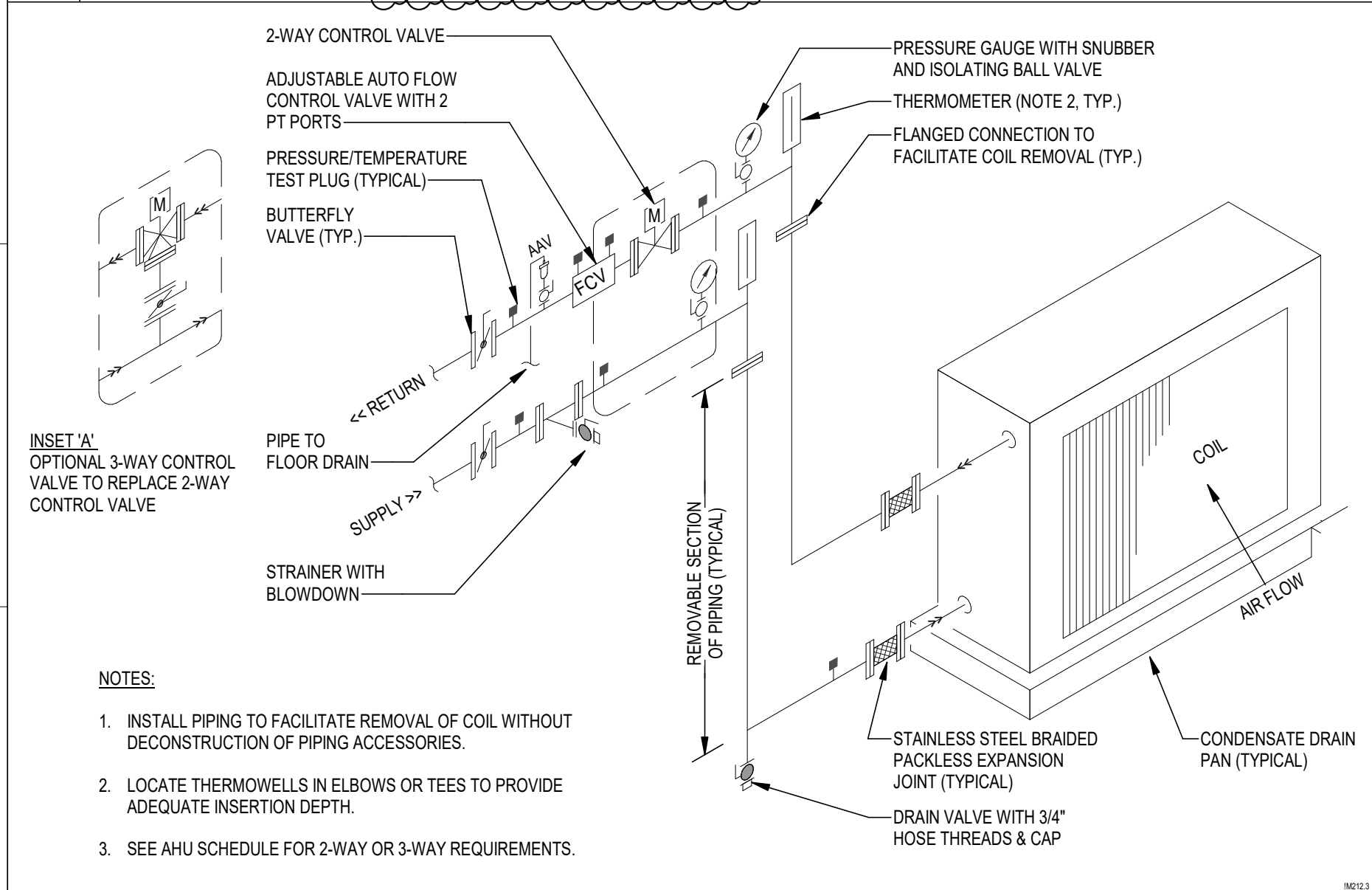
H COIL PIPING FOR VVTs, FCUs AND CRACs



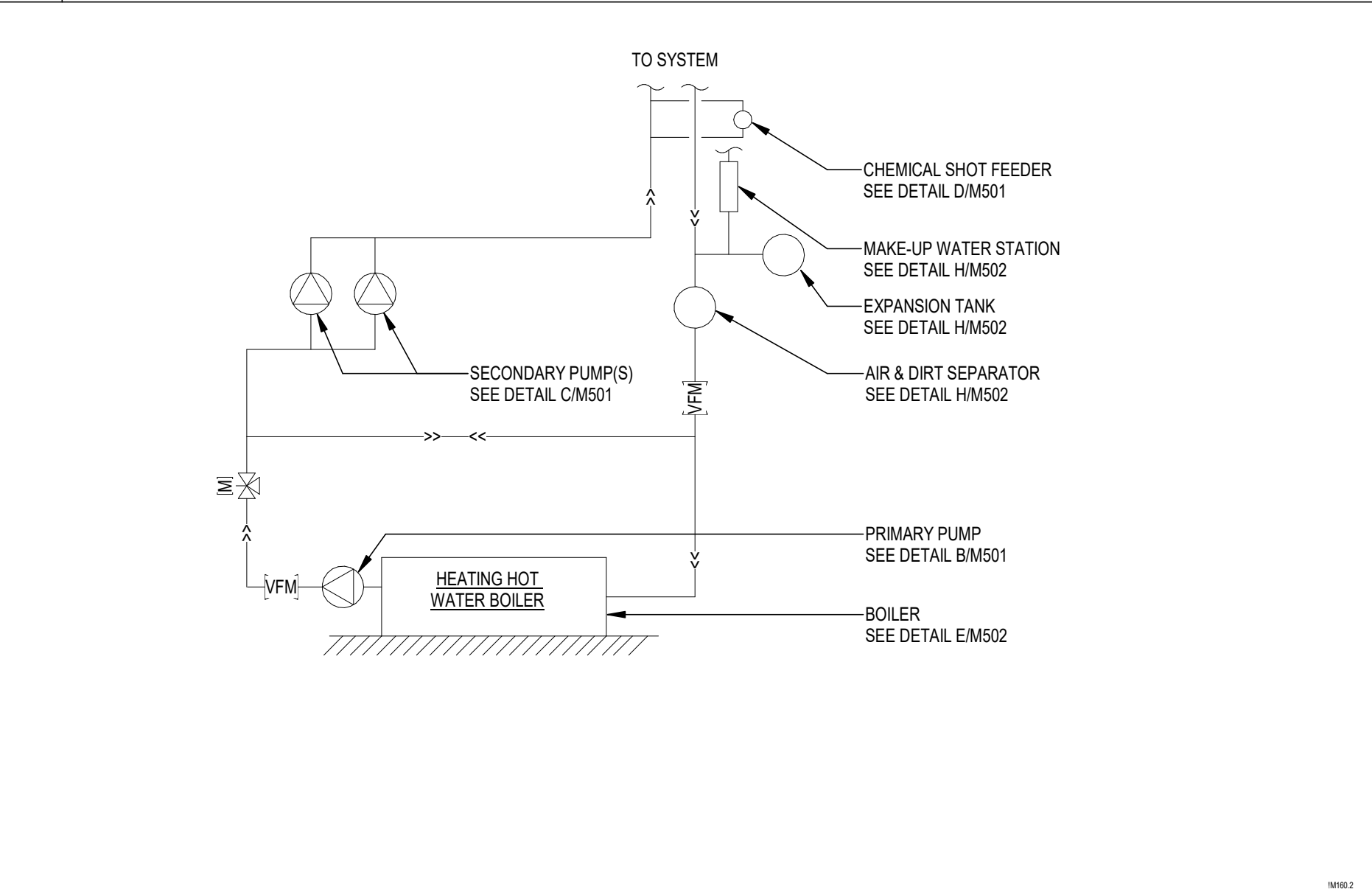
E PRIMARY/SECONDARY CHILLED WATER PIPING SCHEMATIC



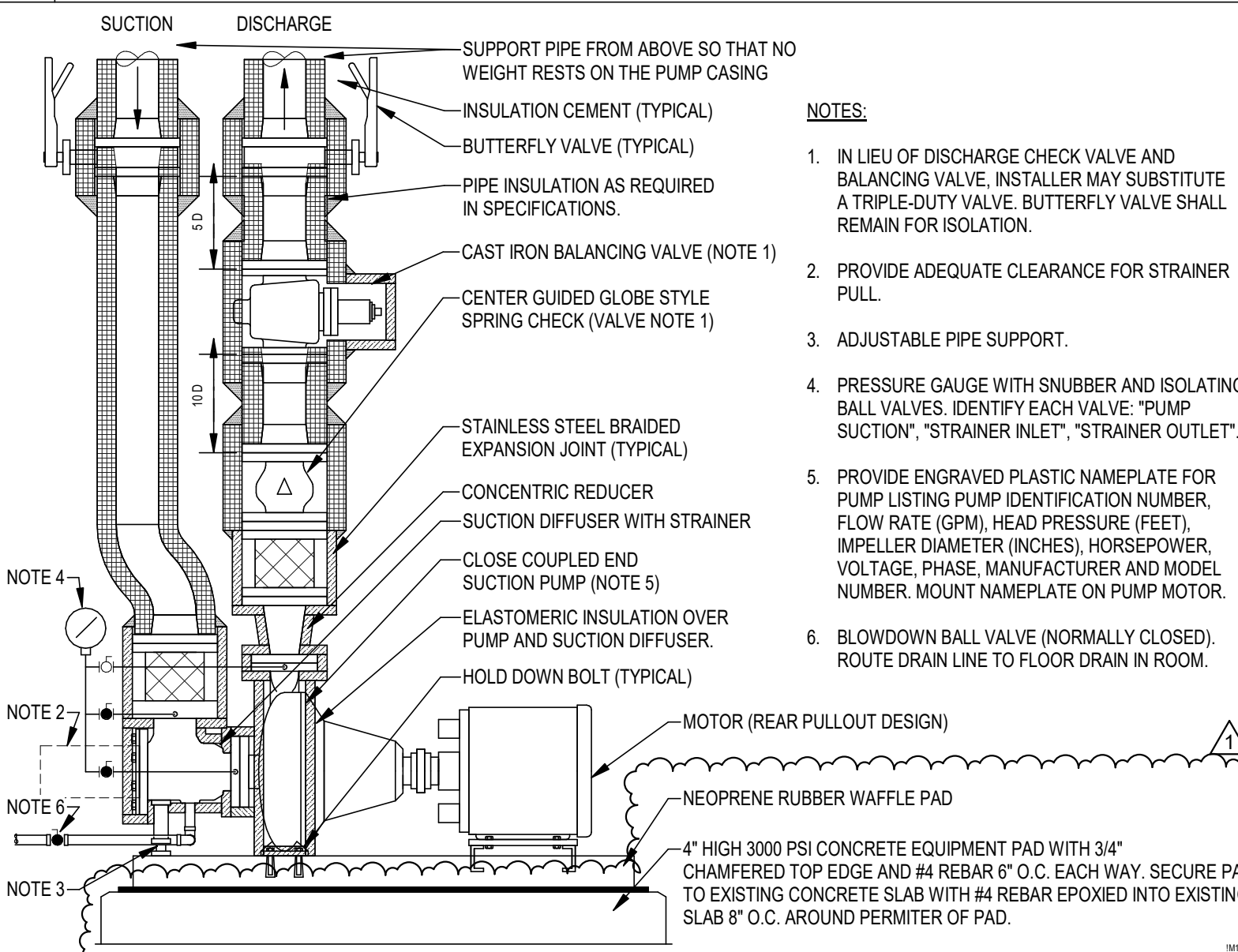
B VERTICAL INLINE END SUCTION PUMP



J AHU COIL PIPING (2 1/2" AND LARGER)

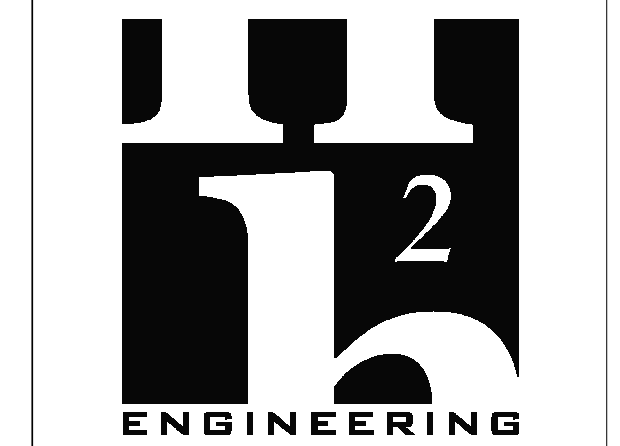


F PRIMARY/SECONDARY HEATING HOT WATER PIPING SCHEMATIC



C BASE MOUNTED END SUCTION PUMP

NOTE:
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15 JANUARY 2025	JDR
PROJECT NO	CHECKED BY
68100	JLT

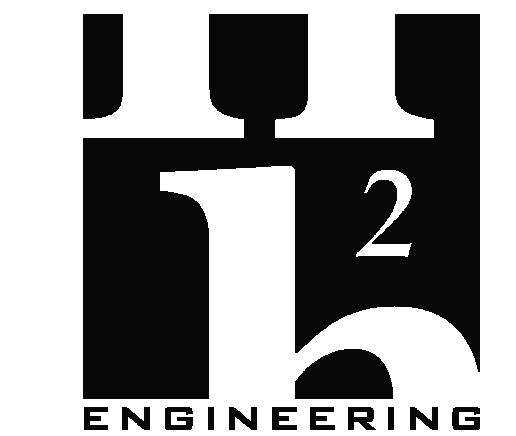
SHEET TITLE
DETAILS

SHEET NO
M501

REV NO

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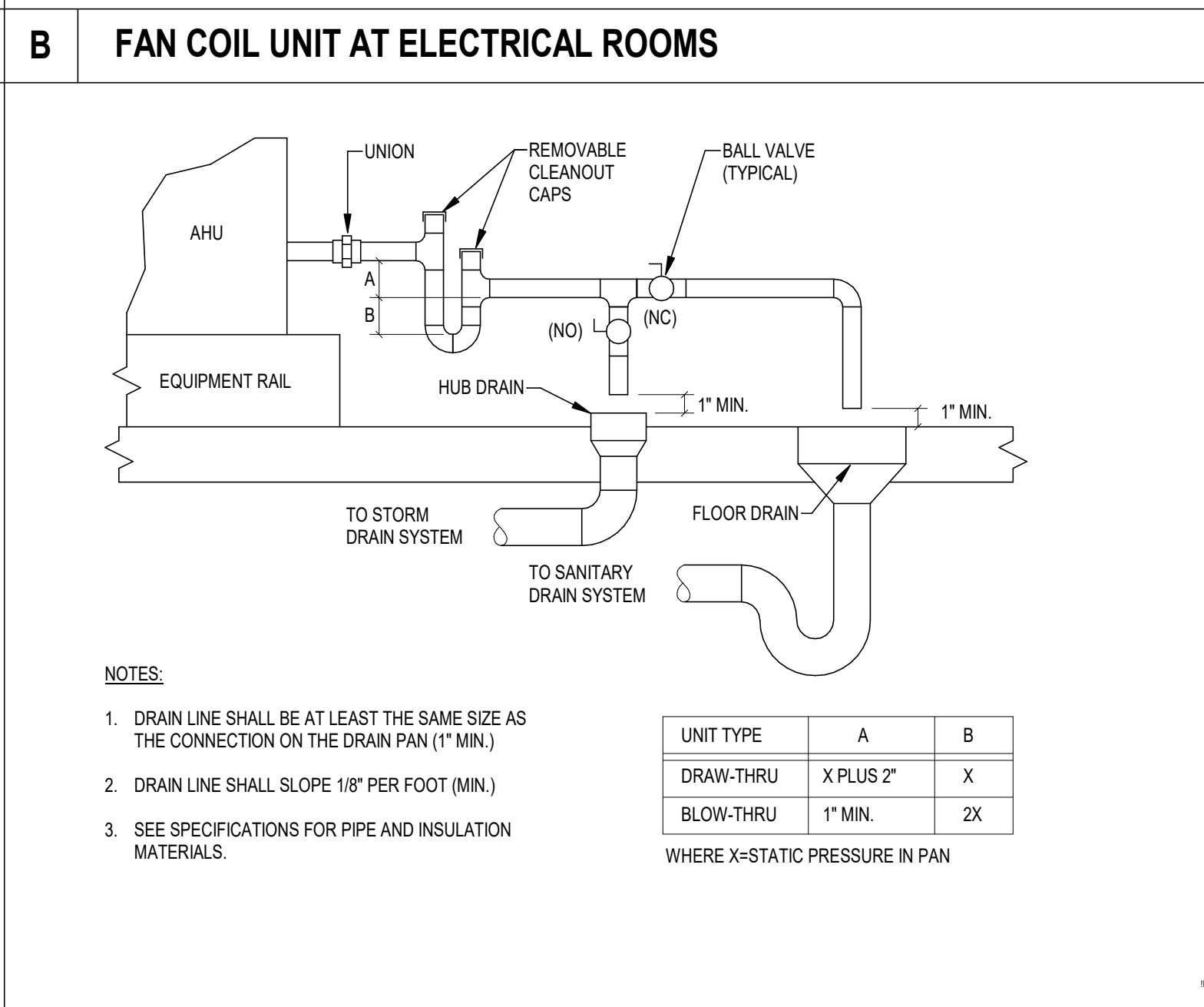
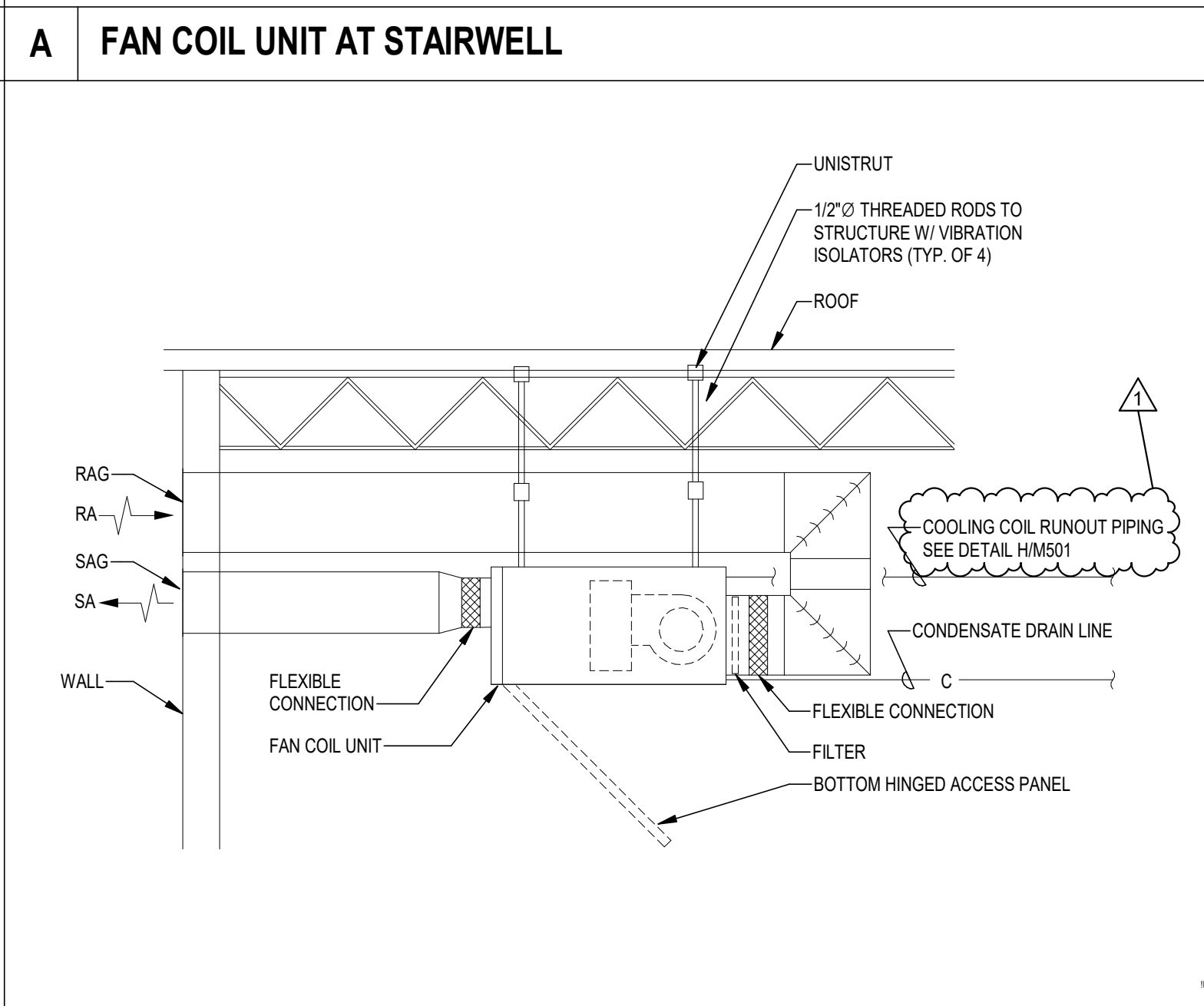
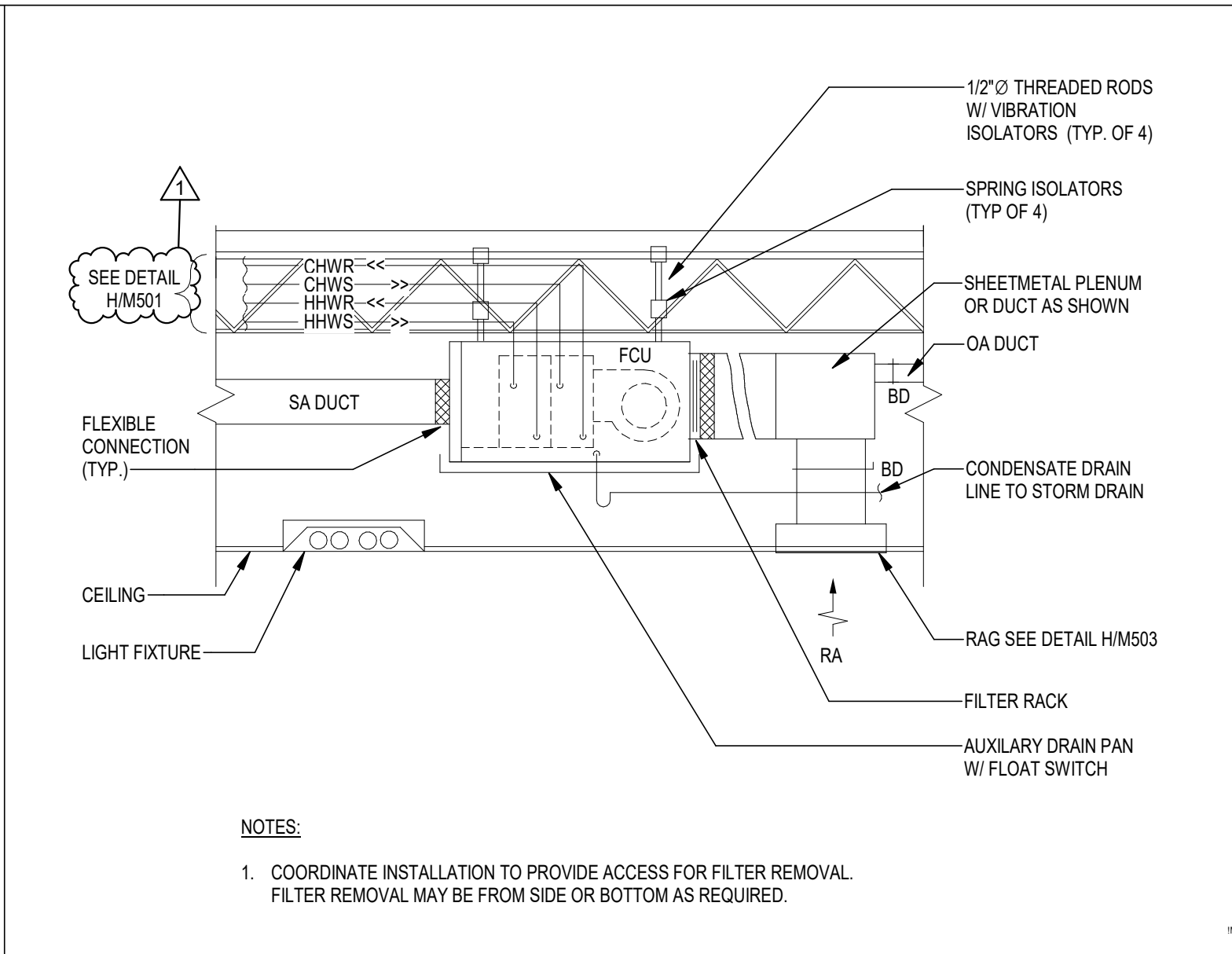
DATE
15 JANUARY 2025

PROJECT NO
68100

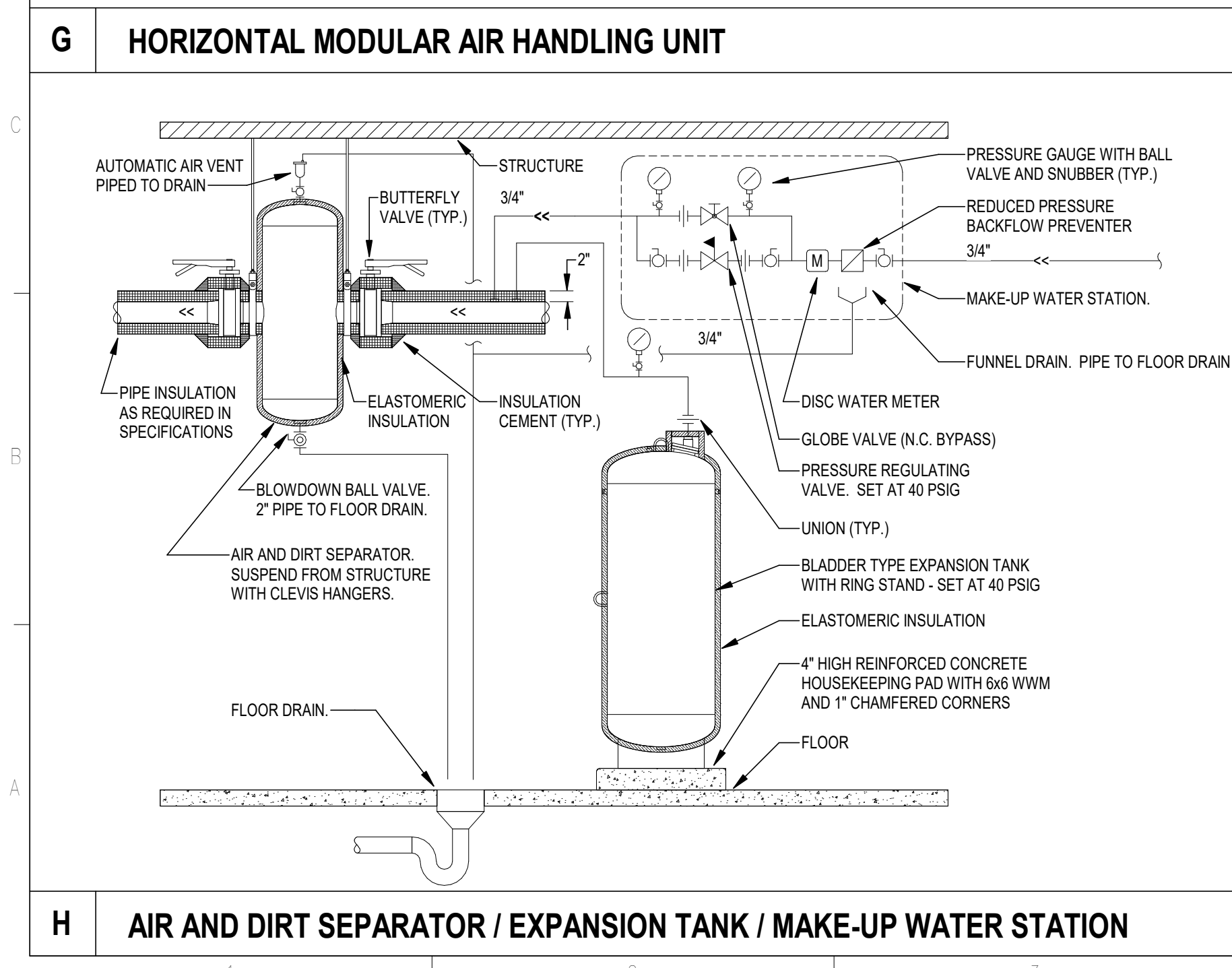
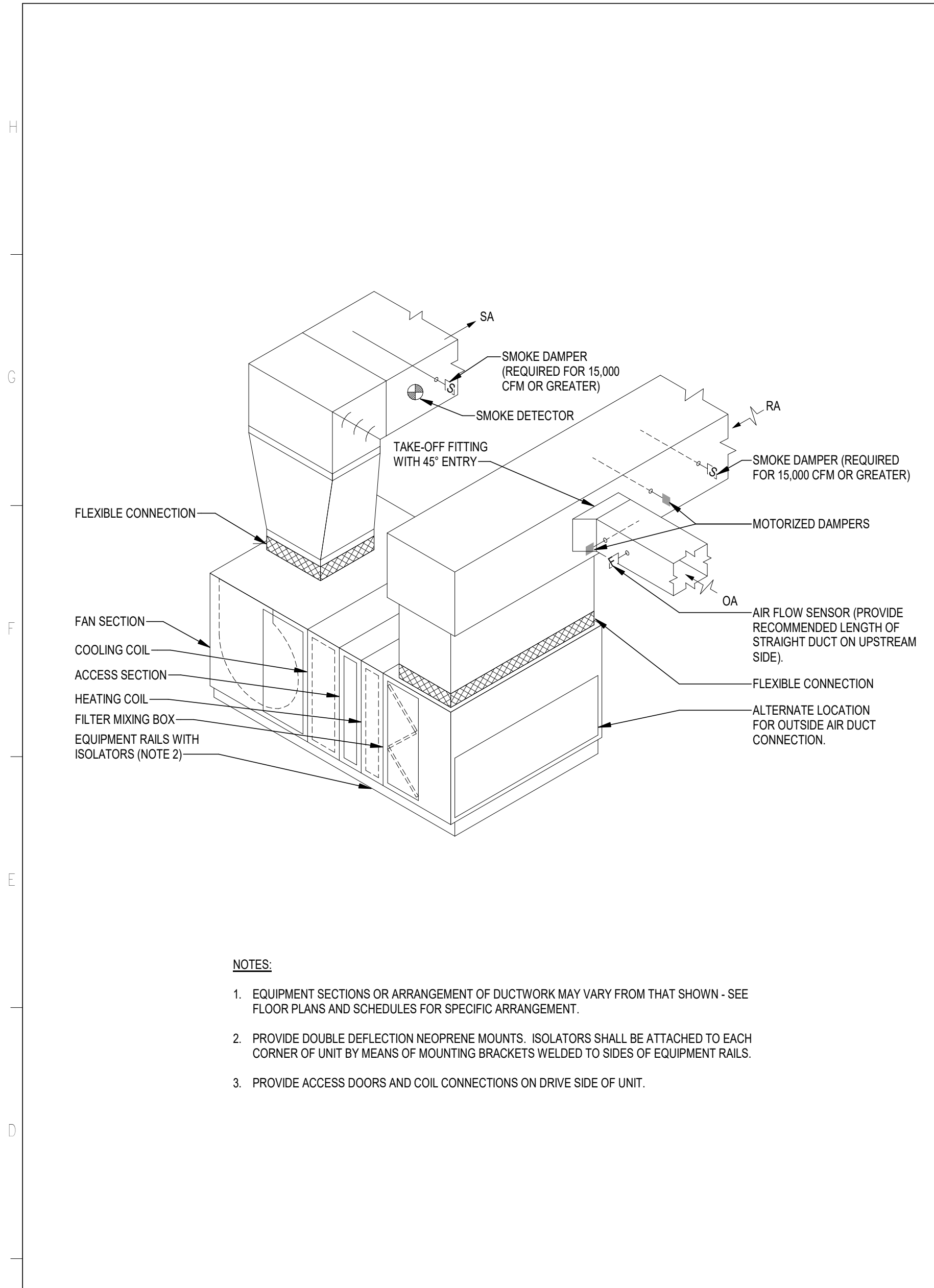
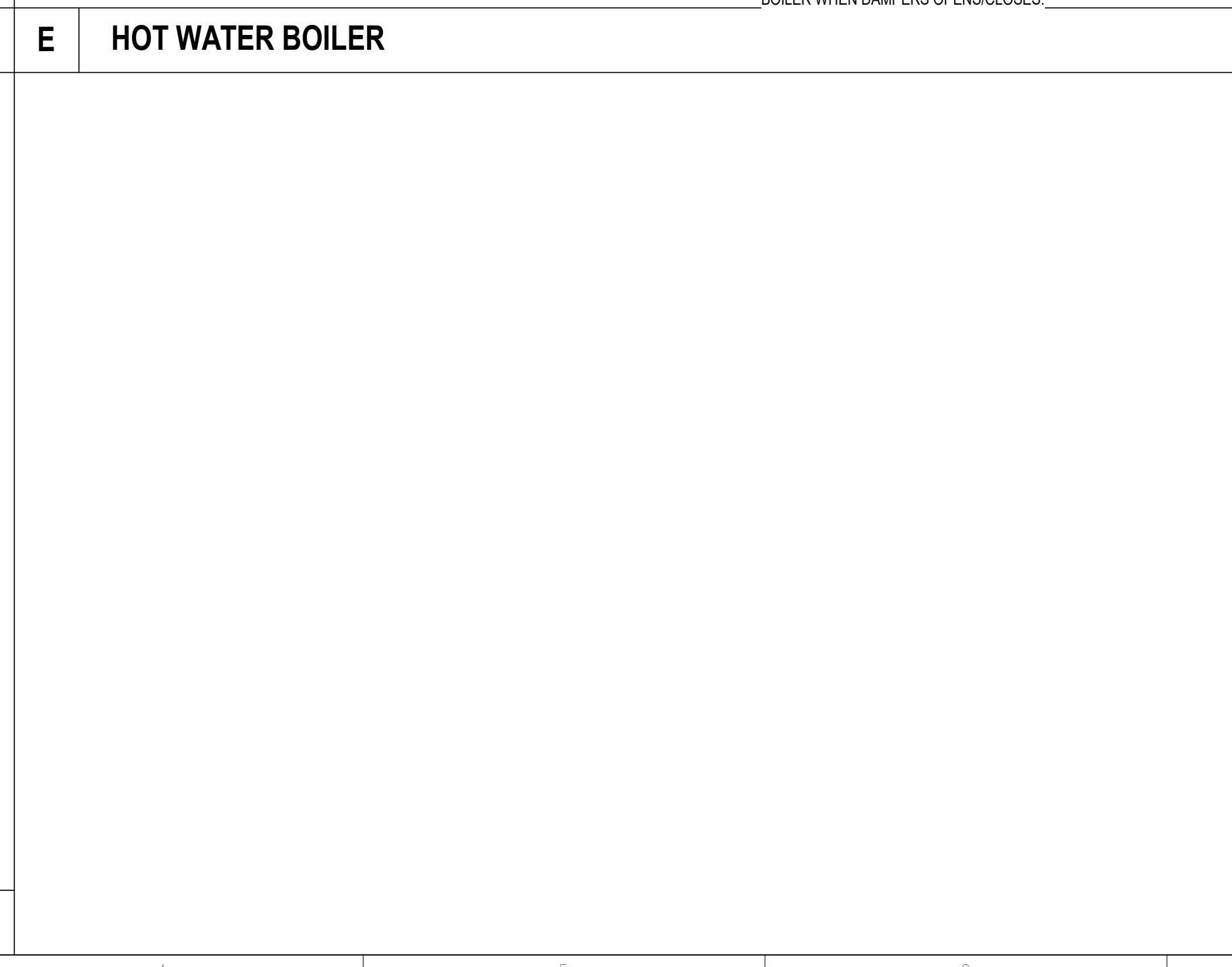
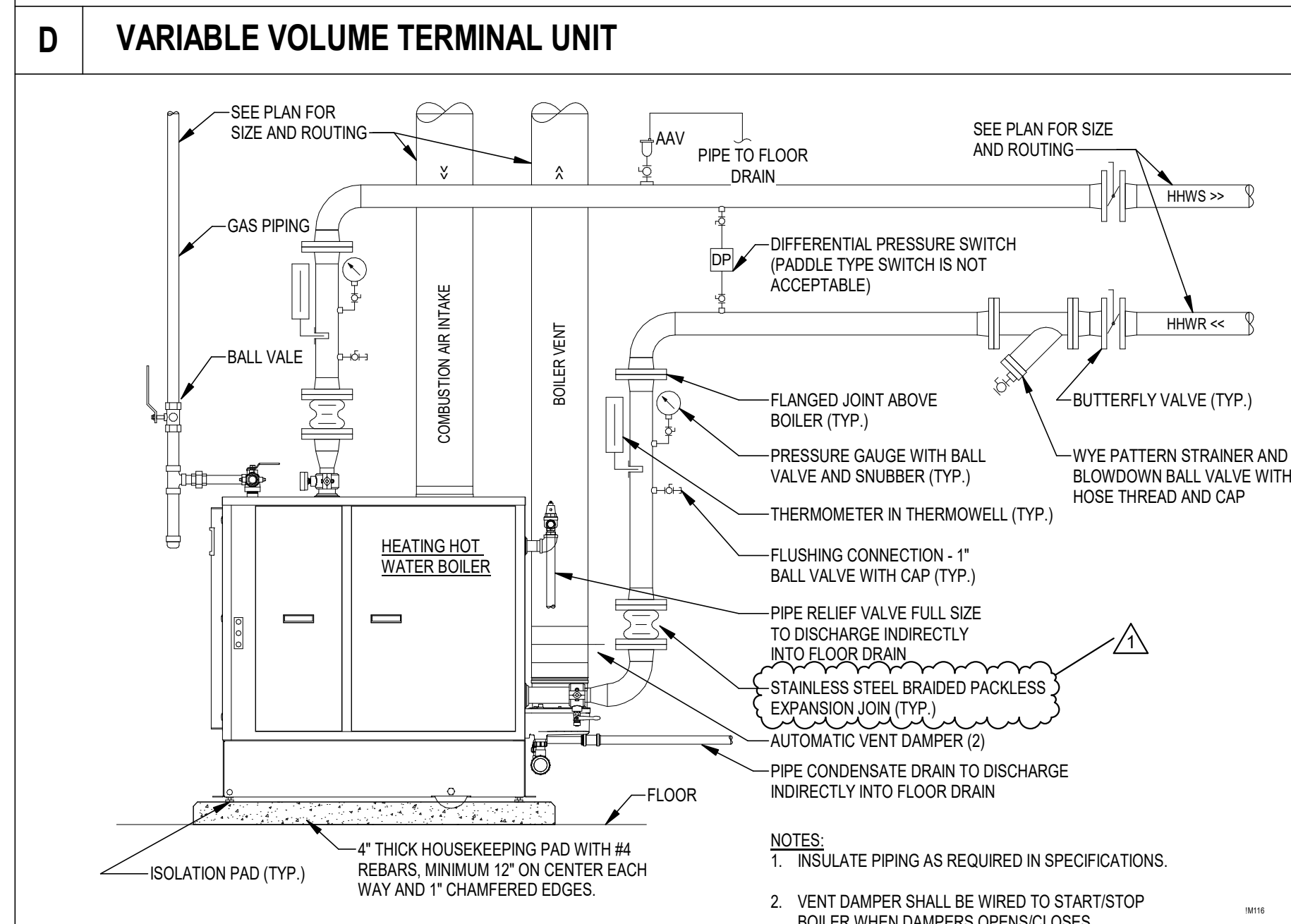
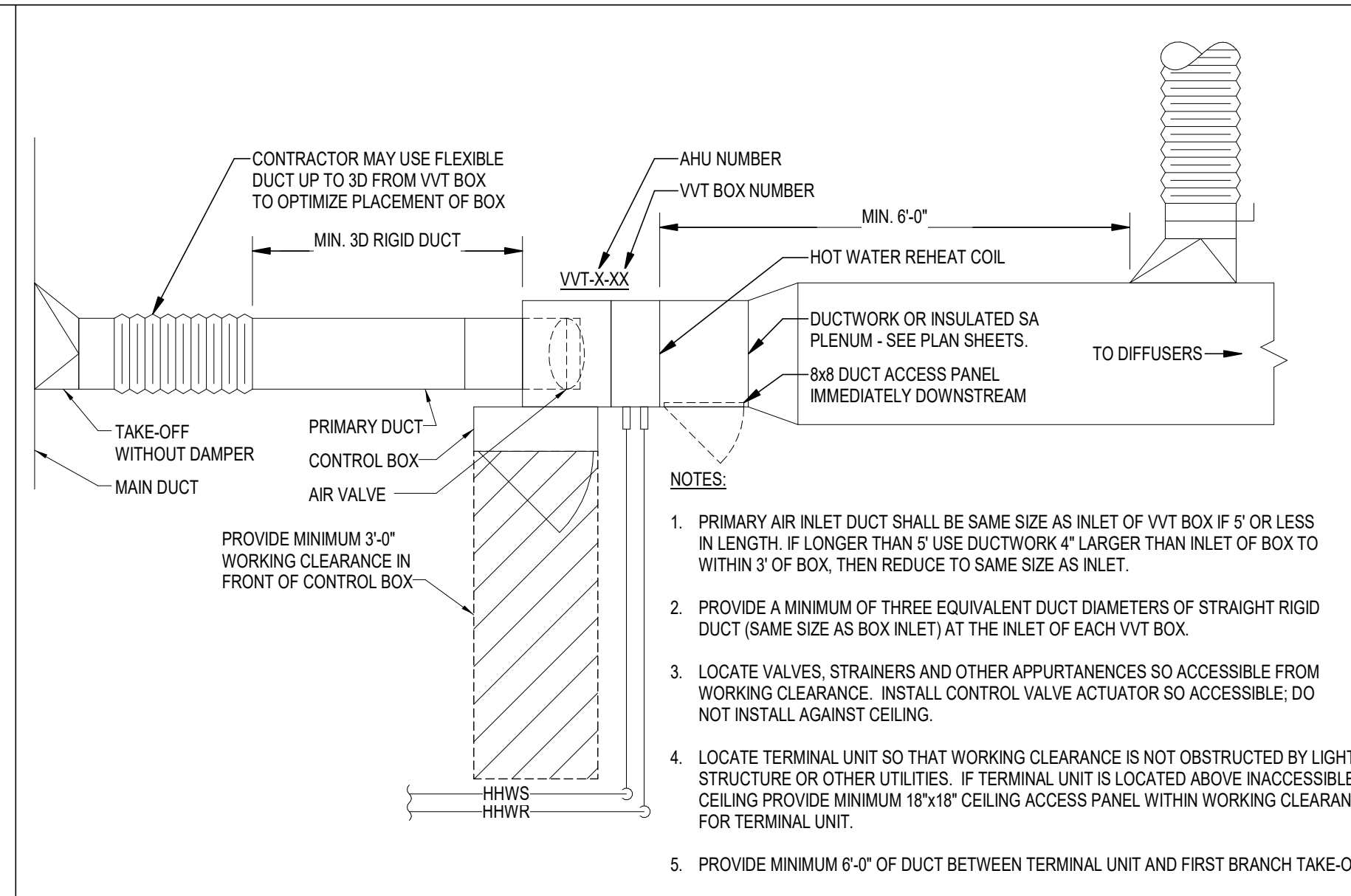
SHEET TITLE
DETAILS

SHEET NO
M502

REV NO

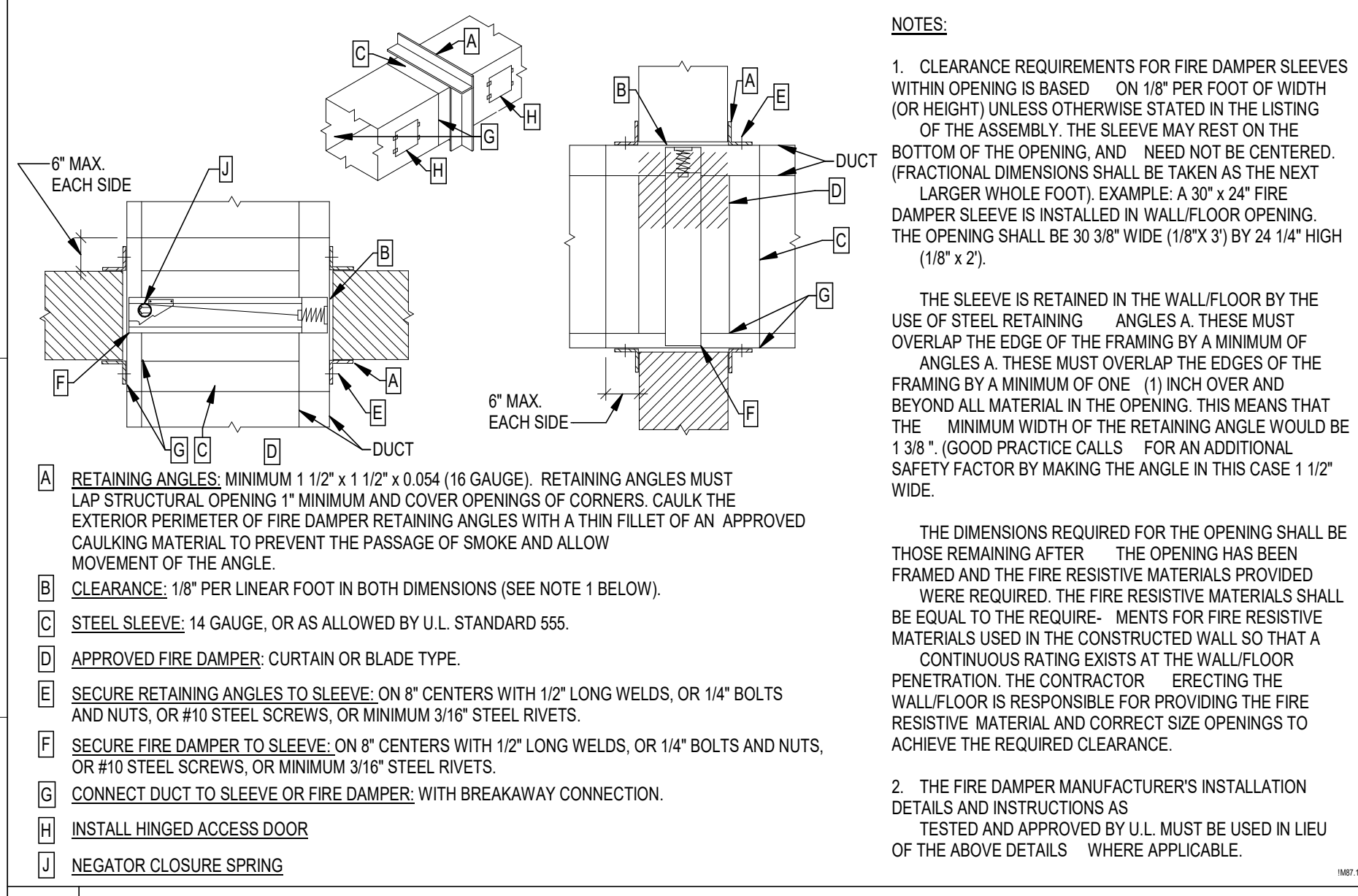


C AHU CONDENSATE DRAIN



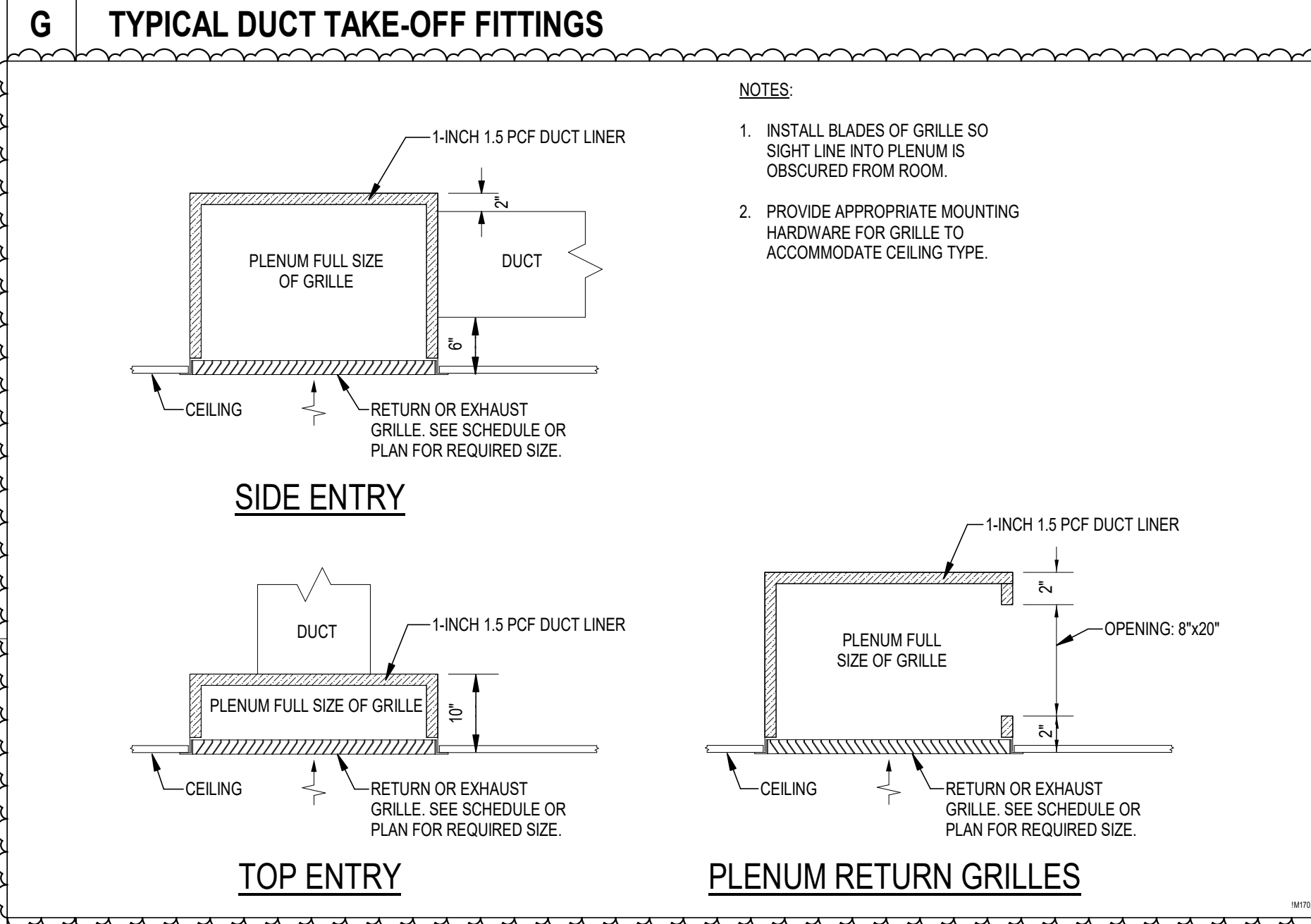
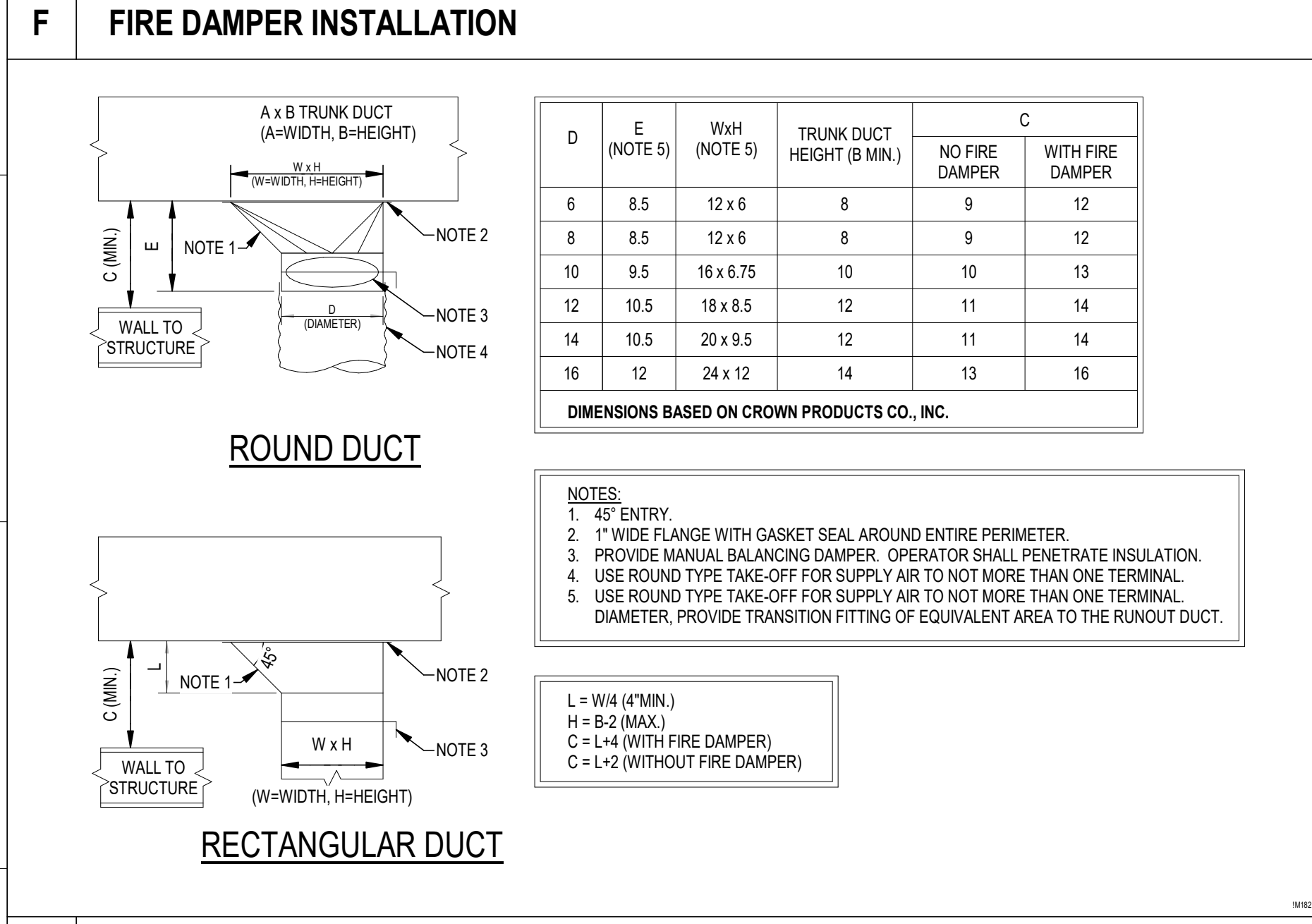
H AIR AND DIRT SEPARATOR / EXPANSION TANK / MAKE-UP WATER STATION

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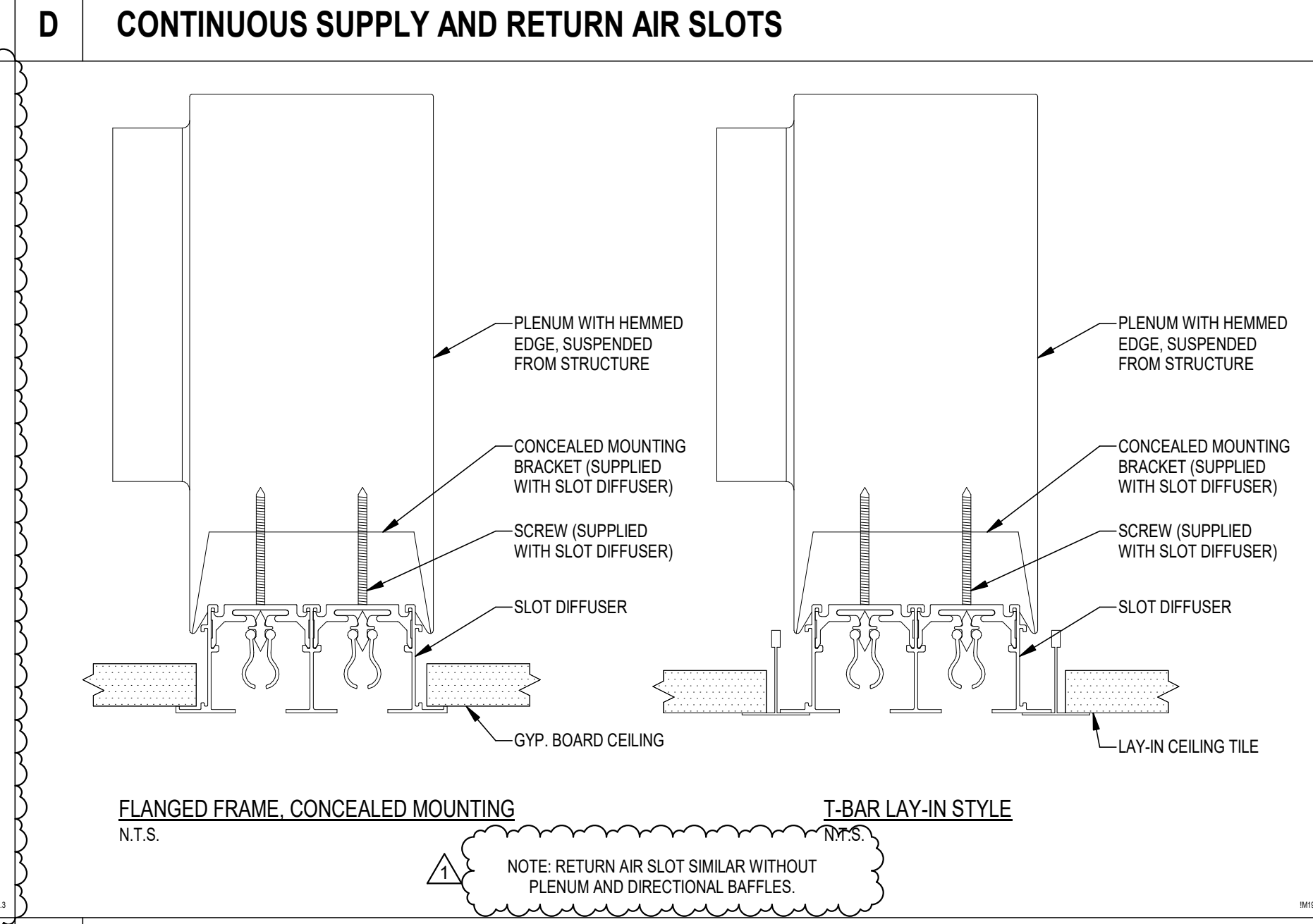
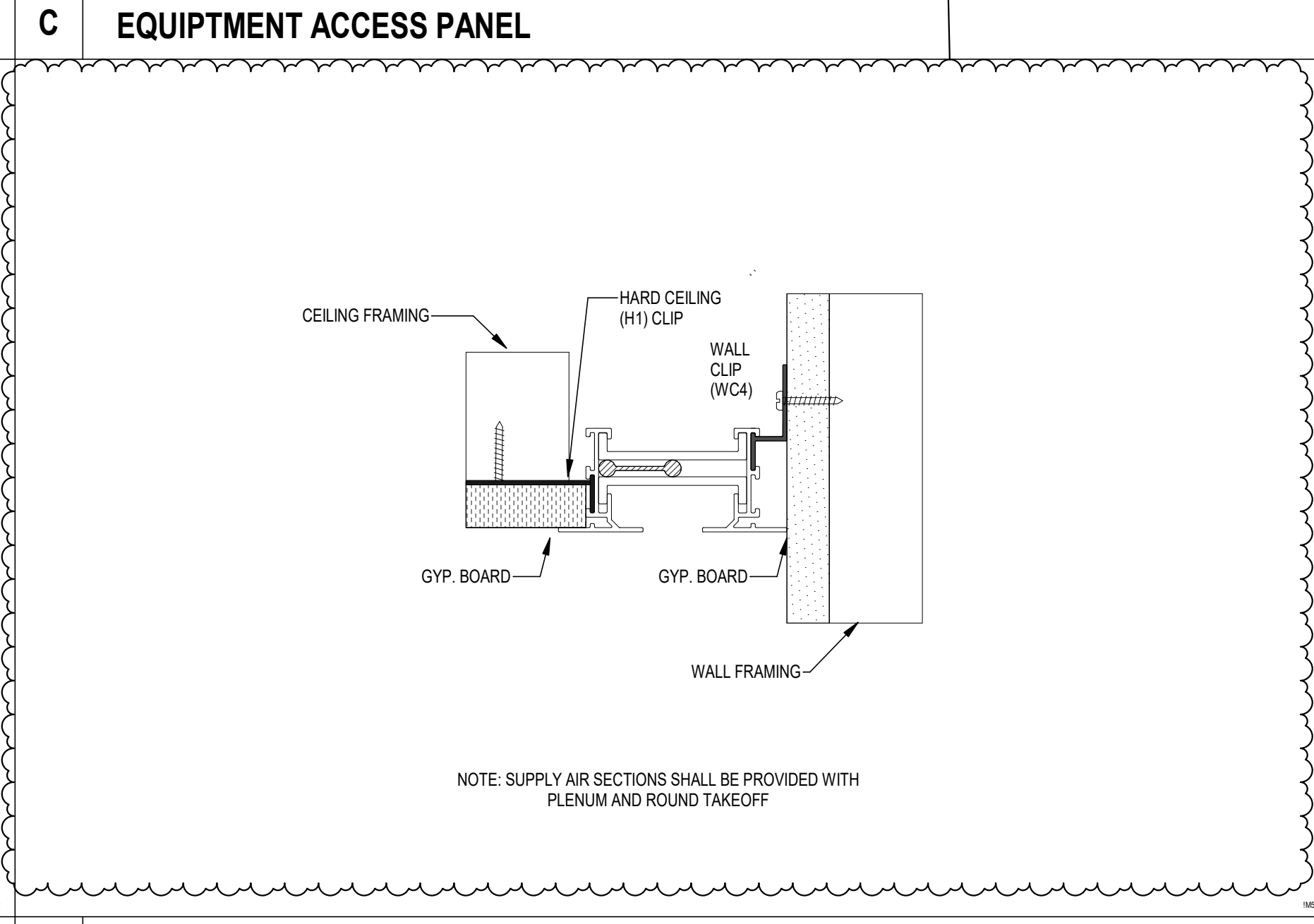
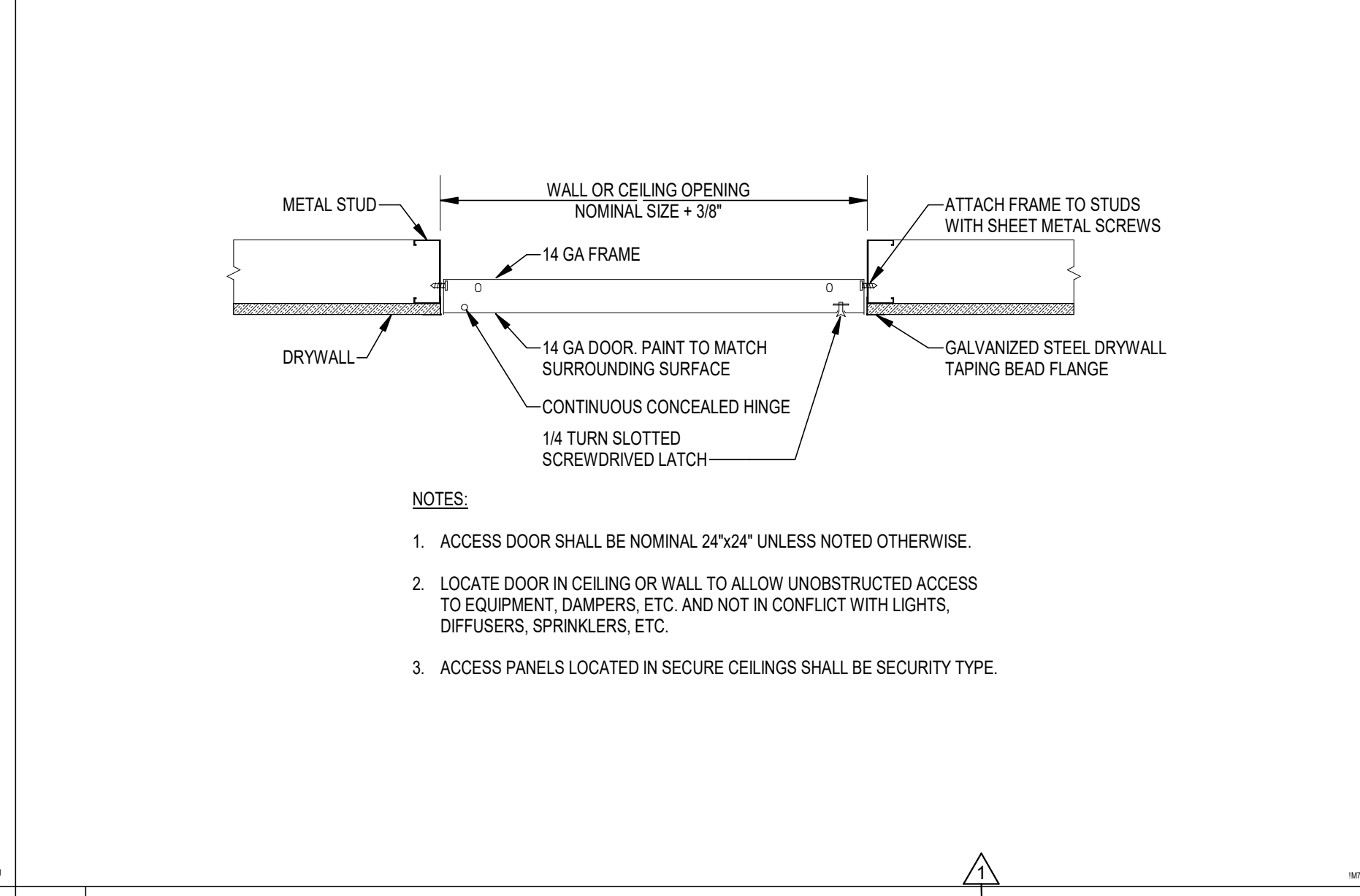


NOTES:

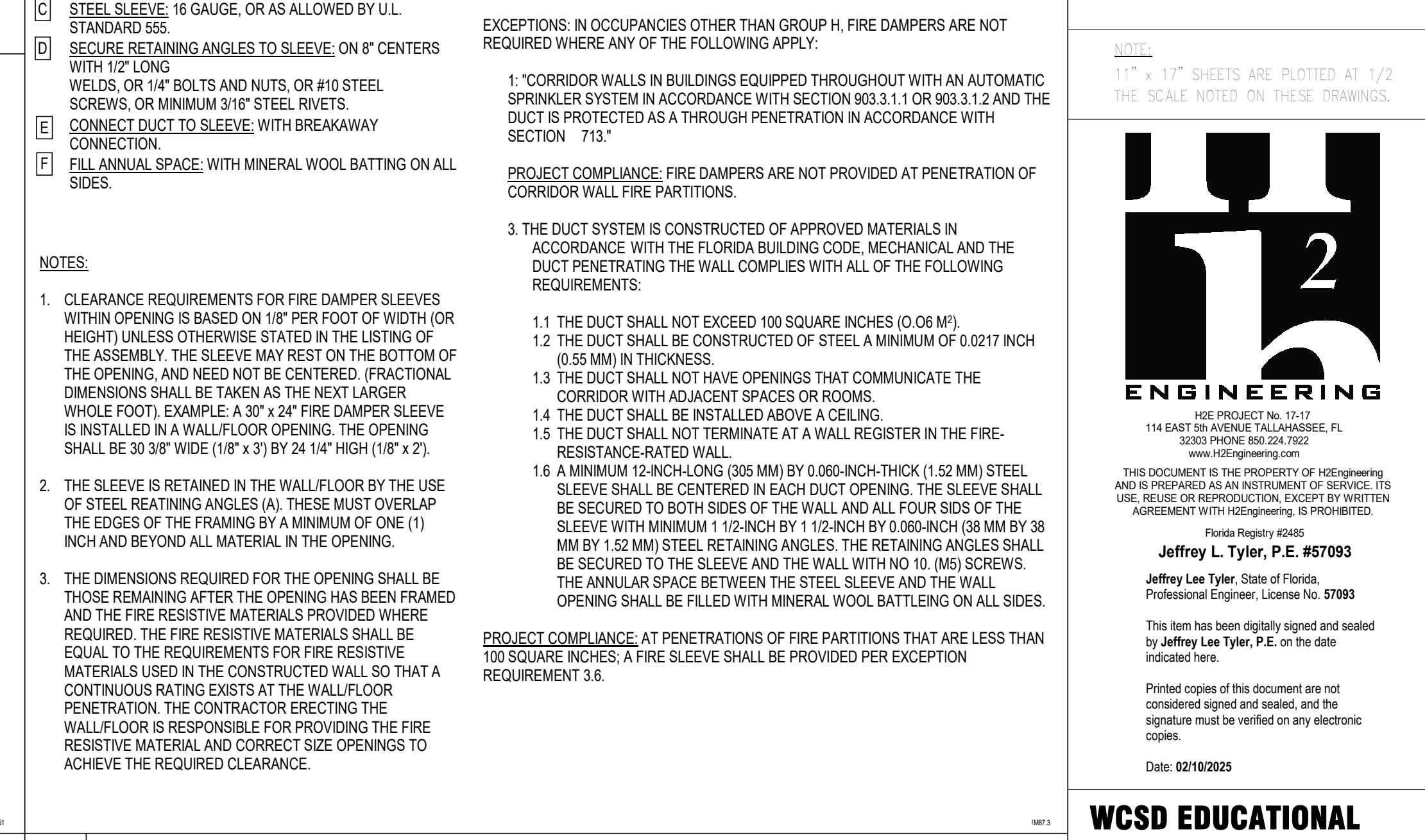
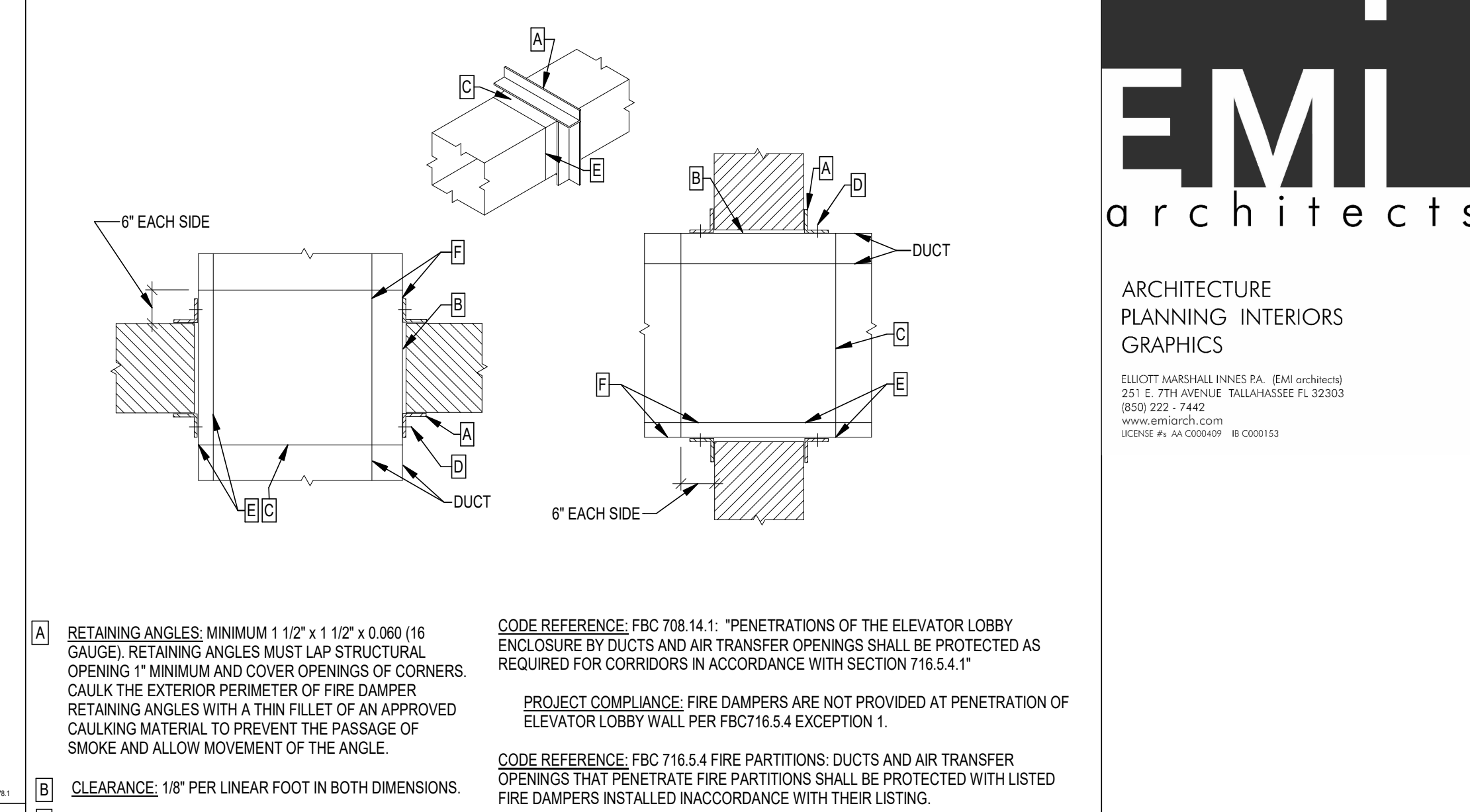
- CLEARANCE REQUIREMENTS FOR FIRE DAMPER SLEEVES WITHIN OPENING IS BASED ON 1/8" PER FOOT OF WIDTH (OR HEIGHT) UNLESS OTHERWISE STATED IN THE LISTING OF THE ASSEMBLY. THE SLEEVE MAY REST ON THE BOTTOM OF THE OPENING, AND NEED NOT BE CENTERED. (FRACTIONAL DIMENSIONS SHALL BE TAKEN AS THE NEXT LARGER WHOLE FOOT) EXAMPLE: A 30" x 24" FIRE DAMPER SLEEVE IS INSTALLED IN WALL/FLOOR OPENING. THE OPENING SHALL BE 30 3/8" WIDE (1/8" x 3) BY 24 1/4" HIGH (1/8" x 2).
- THE SLEEVE IS RETAINED IN THE WALL/FLOOR BY THE USE OF STEEL RETAINING ANGLES A. THESE MUST OVERLAP THE EDGE OF THE FRAMING BY A MINIMUM OF THE FRAMING BY A MINIMUM OF ONE (1) INCH OVER AND BEYOND ALL MATERIAL IN THE OPENING. THIS MEANS THAT THE MINIMUM WIDTH OF THE RETAINING ANGLE WOULD BE 1 3/8". (GOOD PRACTICE CALLS FOR AN ADDITIONAL SAFETY FACTOR BY MAKING THE ANGLE IN THIS CASE 1 1/2" WIDE.
- THE DIMENSIONS REQUIRED FOR THE OPENING SHALL BE THOSE REMAINING AFTER THE OPENING HAS BEEN FRAMED AND THE FIRE RESISTIVE MATERIALS PROVIDED WERE REQUIRED. THE FIRE RESISTIVE MATERIALS SHALL BE EQUAL TO THE REQUIREMENTS FOR FIRE RESISTIVE MATERIALS USED IN THE CONSTRUCTED WALL SO THAT A CONTINUOUS RATING EXISTS AT THE WALL/FLOOR PENETRATION. THE CONTRACTOR ERECTING THE WALL/FLOOR IS RESPONSIBLE FOR PROVIDING THE FIRE RESISTIVE MATERIAL AND CORRECT SIZE OPENINGS TO ACHIEVE THE REQUIRED CLEARANCE.
- THE FIRE DAMPER MANUFACTURER'S INSTALLATION DETAILS AND INSTRUCTIONS AS TESTED AND APPROVED BY U.L. MUST BE USED IN LIEU OF THE ABOVE DETAILS WHERE APPLICABLE.



H RETURN OR EXHAUST CEILING GRILLE



E SLOT DIFFUSER DETAIL



B FLEXIBLE DUCT CONNECTION TO SUPPLY DIFFUSER



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
LICENSE #A-000407-08 0200153

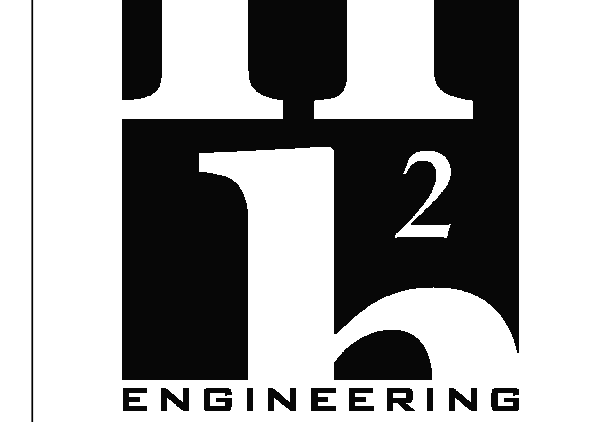
CODE REFERENCE: FBC 708.14.1: "PENETRATIONS OF THE ELEVATOR LOBBY ENCLOSURE BY DUCTS AND AIR TRANSFER OPENINGS SHALL BE PROTECTED AS REQUIRED FOR CORRIDORS IN ACCORDANCE WITH SECTION 716.5.4.1"

PROJECT COMPLIANCE: FIRE DAMPERS ARE NOT PROVIDED AT PENETRATION OF ELEVATOR LOBBY WALL PER FBC716.5.4 EXCEPTION 1.

CODE REFERENCE: FBC 716.5.4 FIRE PARTITIONS: DUCTS AND AIR TRANSFER OPENINGS THAT PENETRATE FIRE PARTITIONS SHALL BE PROTECTED WITH LISTED FIRE DAMPERS INSTALLED IN ACCORDANCE WITH THEIR LISTING.

EXCEPTIONS: IN OCCUPANCIES OTHER THAN GROUP H, FIRE DAMPERS ARE NOT REQUIRED WHERE ANY OF THE FOLLOWING APPLY:

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2 THE SCALE NOTED ON THESE DRAWINGS.



H2 ENGINEERING
H2E PROJECT No. 17-17
114 EAST 5TH AVENUE TALLAHASSEE, FL
32303 PHONE 850 224 7922
www.H2Engineering.com

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Florida Registry #485
Jeffrey L. Tyler, P.E. #57093
Jeffrey Lee Tyler, State of Florida,
Professional Engineer, License No. 57093

This item has been digitally signed and sealed by Jeffrey Lee Tyler, P.E. on the date indicated here.

Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

Date: 02/10/2025

WCSD EDUCATIONAL ANCILLARY FACILITIES - DISTRICT OFFICE

RECEIVED
ALLSTATE CONSTRUCTION
02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

DATE	DRAWN BY
15 JANUARY 2025	JDR

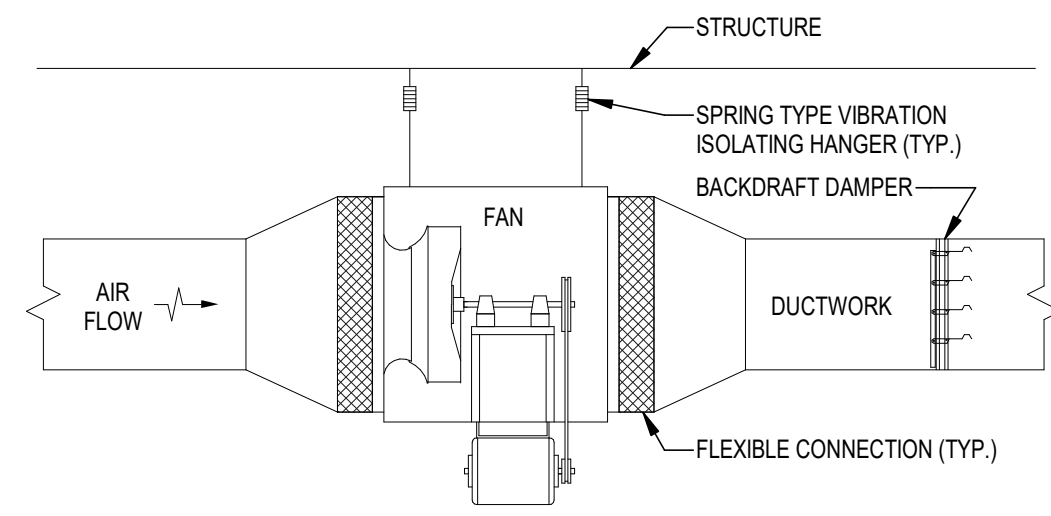
PROJECT NO	CHECKED BY
68100	JLT

SHEET TITLE
DETAILS

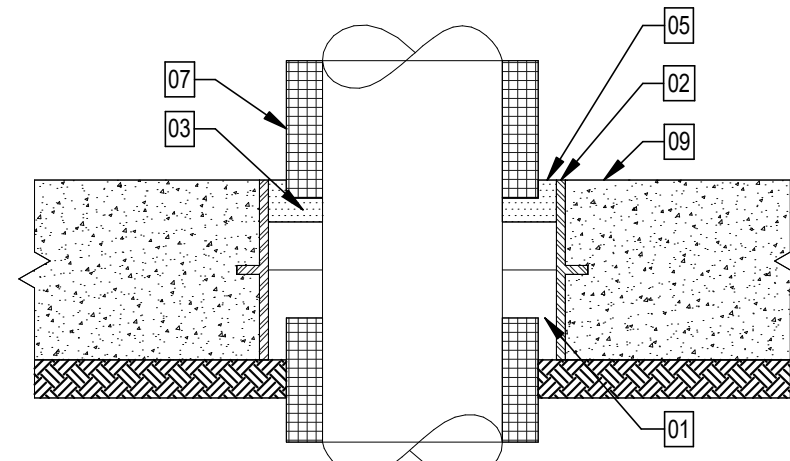
SHEET NO
M503

REV NO

2/10/2025 4:30:43 PM



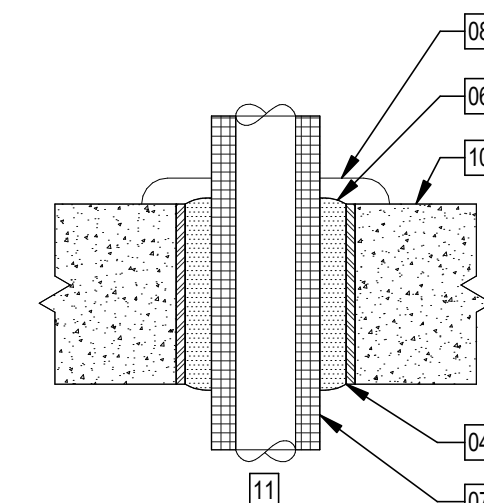
- NOTES:**
1. INSTALL TO ALLOW ACCESS FOR MAINTENANCE.
 2. PROVIDE DIRECT DRIVE FAN WHERE SCHEDULED.



FLOOR SLAB ON GRADE OR WALL BELOW GRADE

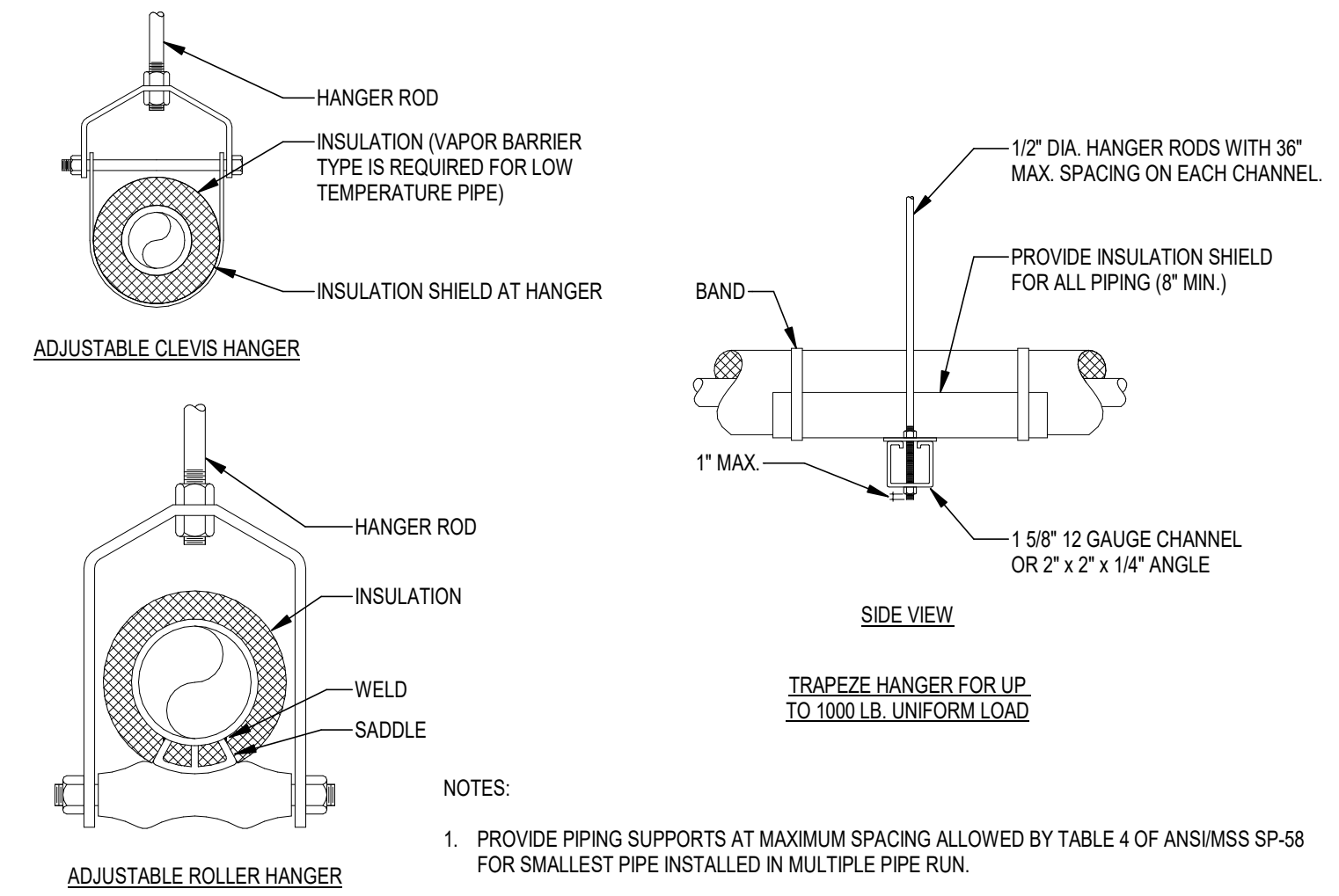
KEY NOTES (THIS DETAIL ONLY)

- 01 SEAL ANNULAR SPACE AROUND PIPE WITH "MODULAR SEAL MANUFACTURED BY PSI - THUNDERLINE/LINK-SEAL, (6525 GOFORTH STREET, HOUSTON, TX 77021, 1-800-423-2410), APPROVED EQUAL. MODEL SHALL BE SUITABLE FOR THIS APPLICATION.
- 02 FOR NEW CONSTRUCTION IN POURED CONCRETE WALL OR FLOOR SLAB ON GRADE USE APPROPRIATELY SIZED "CENTURY-LINE" SLEEVE BY "LINK-SEAL", OR APPROVED EQUAL. FOR EXISTING CONSTRUCTION, CORE DRILL APPROPRIATE SIZE HOLE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- 03 ALLOW MINIMUM 1/2" SPACE BETWEEN "LINK-SEAL" AND END OF INSULATION.
- 04 FOR NEW CONSTRUCTION IN POURED CONCRETE FLOOR SLAB ABOVE GRADE INSTALL A STEEL SLEEVE TO PROVIDE AN ANNULAR SPACE OF 3/8" TO 1" TO PIPE INSULATION (OR TO BARE PIPE IF UNINSULATED). FOR EXISTING CONSTRUCTION, CORE DRILL HOLE IN FLOOR TO PROVIDE AN ANNULAR SPACE OF 3/8" TO 1".



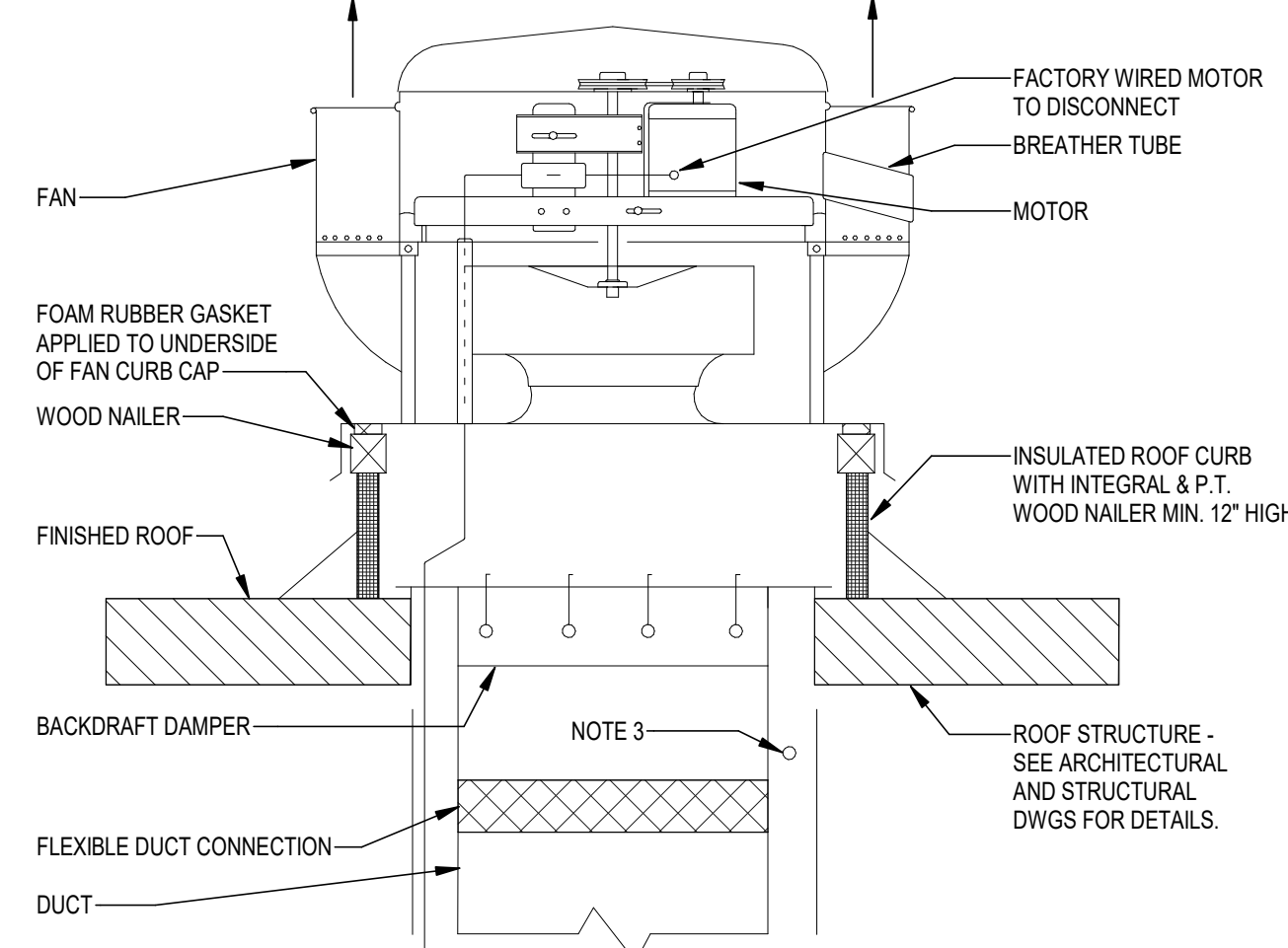
FLOOR SLAB ABOVE GRADE

- 05 COMPLETELY FILL SPACE WITH SEALANT SUITABLE FOR THIS APPLICATION.
- 06 COMPLETELY FILL ANNULAR SPACE WITH FIRE RETARDANT FOAM.
- 07 PIPE INSULATION. SEE SPECIFICATIONS.
- 08 TWO-PIECE CHROME PLATED BRASS ESCUTCHEON PLATE (MAY BE OMITTED IN CONCEALED SPACE).
- 09 FLOOR SLAB ON GRADE (OR WALL BELOW GRADE).
- 10 FLOOR SLAB ABOVE GRADE.
- 11 THIS DETAIL IS SHOWN AS AN EXAMPLE OF THE WORK SCOPE REQUIRED. FIRE STOPPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE U.L. LISTED FIRE RATED ASSEMBLY. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL FIRE RATED ASSEMBLIES.



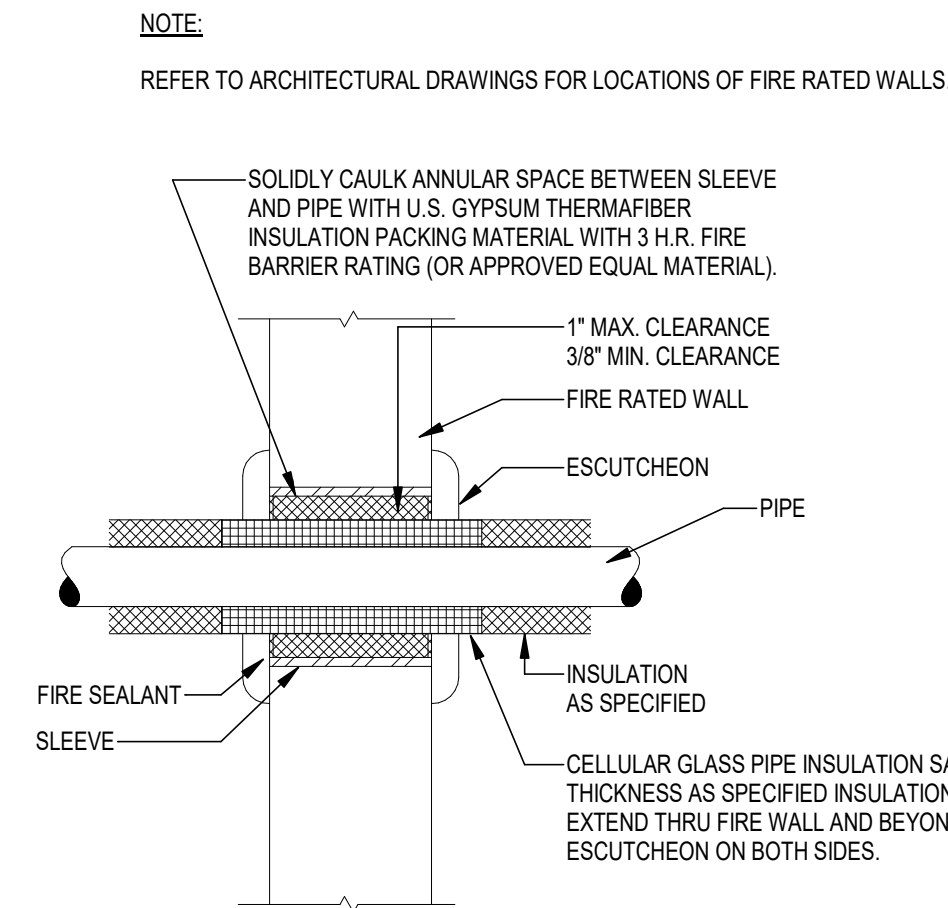
- NOTES:**
1. PROVIDE PIPING SUPPORTS AT MAXIMUM SPACING ALLOWED BY TABLE 4 OF ANSISMS SP-58 FOR SMALLEST PIPE INSTALLED IN MULTIPLE PIPE RUN.
 2. PROVIDE ADDITIONAL SUPPORTS AT CHANGES IN DIRECTION AS REQUIRED BY ANSISMS SP-58 OR AS REQUIRED BY DELEGATED DESIGN FOR WIND LOADING AT PROJECT SITE.

G IN-LINE FAN



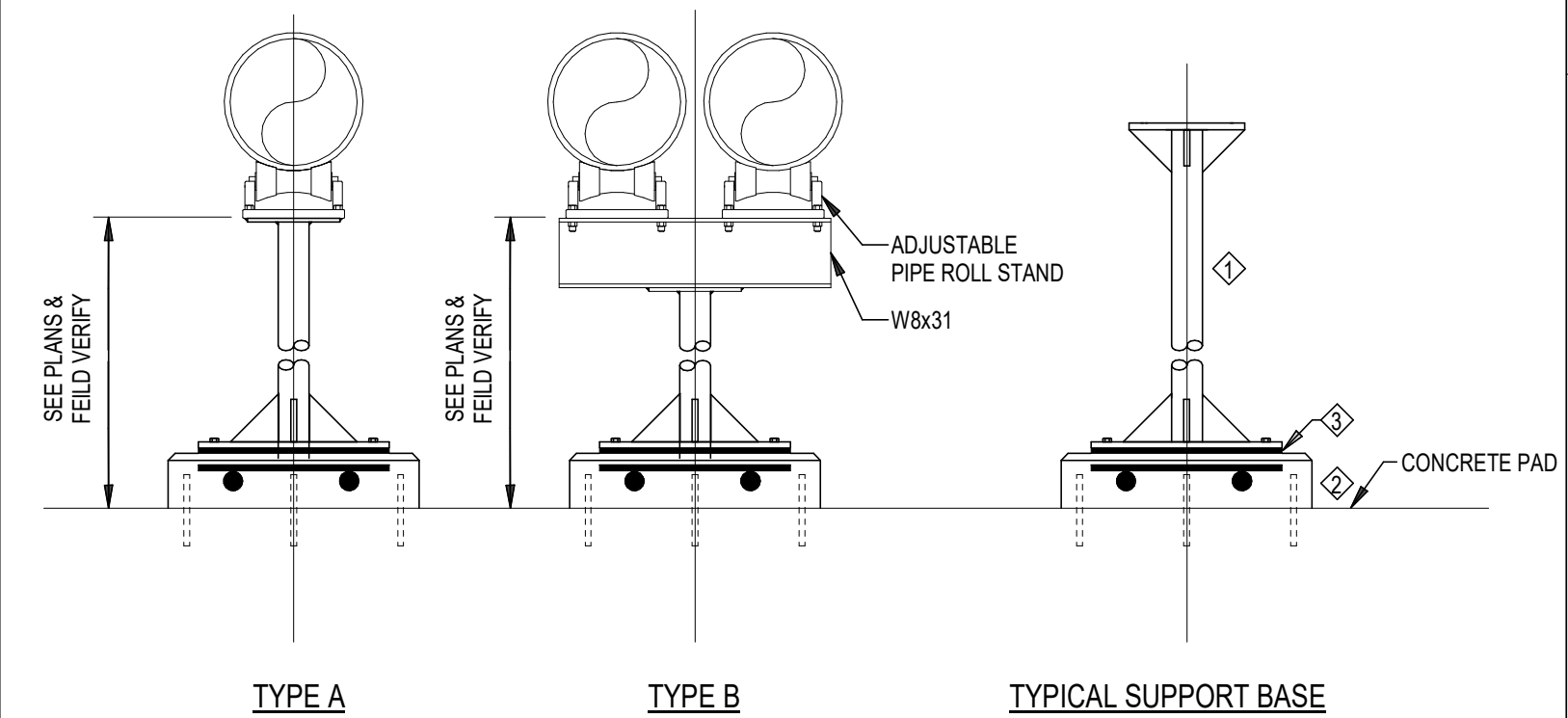
- NOTES:**
1. SECURE FAN TO CURB AS NECESSARY TO MEET CODE REQUIRED WIND LOADING.
 2. SECURE CURB TO ROOF WITH SHEET METAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION AS NECESSARY TO MEET CODE REQUIRED WIND LOADING.
 3. MINIMUM 1 1/4" CLEARANCE FOR ELECTRICAL CONDUIT.
 4. SEE ROOF CURB AND TIE-DOWN DETAIL.

D PIPE PENETRATION



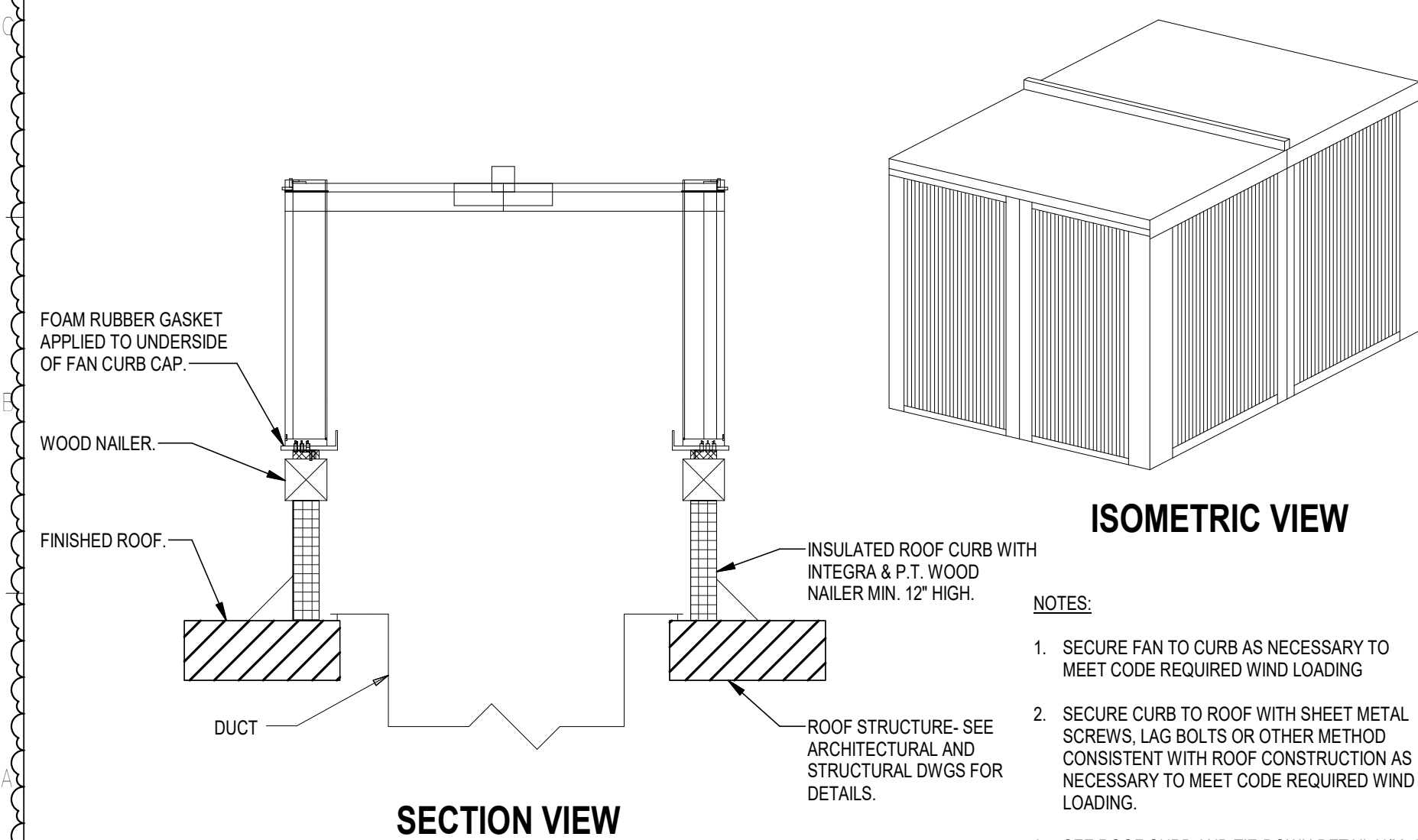
- NOTE:**
- THIS DETAIL IS SHOWN AS AN EXAMPLE OF THE WORK SCOPE REQUIRED. FIRE STOPPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE U.L. LISTED FIRE RATED ASSEMBLY. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL FIRE RATED ASSEMBLIES.

A TYPICAL PIPE HANGERS



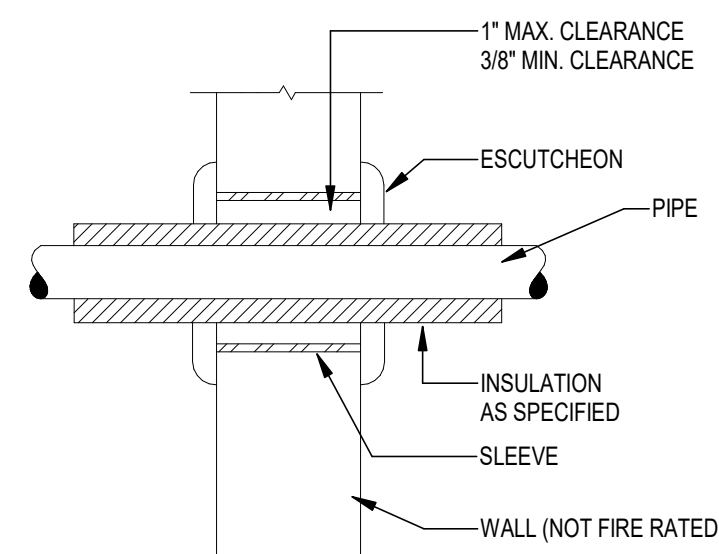
- NOTES:**
1. PIPE SUPPORT: 3" SCHEDULE 40 PIPE STAND WITH 10"x10"x1/2" TOP PLATE AND 12"x12"x1/2" BASE PLATE WELDED TO PIPE STAND WITH FOUR WELDED GUSSET PLATES. BOLT BASE PLATE TO CONCRETE PAD WITH FOUR 5/8" x 3" ANCHOR BOLTS AND EXPANSION SLEEVES. PAINT SUPPORT WITH PRIMER AND TWO COATS BLACK ENAMEL PAINT.
 2. 4" HIGH 16"x16" CONCRETE EQUIPMENT PAD WITH 3/4" CHAMFERED CORNERS AND #4 REBAR 8" O.C. EACH WAY. SECURE PAD TO CONCRETE SLAB WITH #4 REBAR EPOXIED INTO SLAB. 8" O.C. AROUND PERIMETER OF PAD.
 3. 12"x12"x1/2" NEPRENE RUBBER WAFFLE PAD BETWEEN SUPPORT BASE AND PAD.

H UPBLAST ROOF EXHAUST FAN

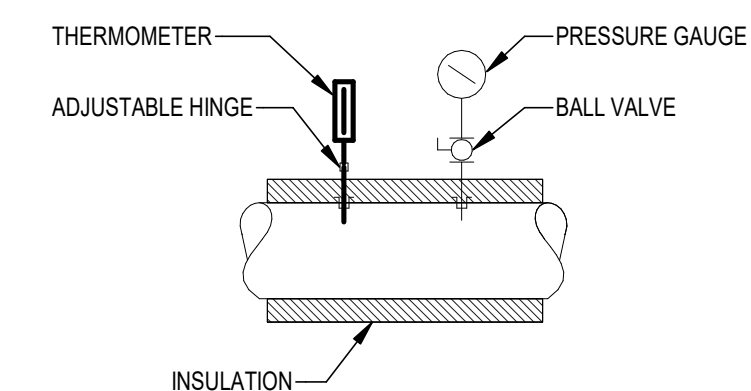


- NOTES:**
1. SECURE FAN TO CURB AS NECESSARY TO MEET CODE REQUIRED WIND LOADING
 2. SECURE CURB TO ROOF WITH SHEET METAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION AS NECESSARY TO MEET CODE REQUIRED WIND LOADING.
 3. SEE ROOF CURB AND TIE-DOWN DETAIL HM504

E PIPE PENETRATION OF FIRE RATED WALL



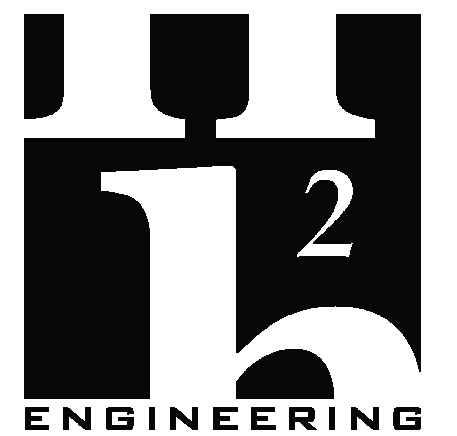
B PIPE SUPPORT SADDLE



J LOUVERED PENTHOUSE VENTILATOR

F PIPE PENETRATION OF NON-FIRE RATED WALL

C TYPICAL PRESSURE GAUGE/THERMOMETER INSTALLATION



**WCSD EDUCATIONAL
ANCILLARY FACILITIES -
DISTRICT OFFICE**

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ALLSTATE CONSTRUCTION
02-13-2025

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1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

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PROJECT NO	CHECKED BY
68100	JLT

SHEET TITLE

DETAILS

SHEET NO	REV NO
M504	

PIPING AND FITTINGS table with symbols for CAP, ELBOW, TEE, PIPE, VALVES, MEASUREMENTS AND CONTROLS, MISCELLANEOUS.

APPLICABLE CODES section containing ASHRAE, ASME, NATIONAL FIRE CODES, FLORIDA BUILDING CODE, and FLORIDA ADMINISTRATIVE CODE.

PLUMBING NOTES and DOMESTIC PIPE CLEANING section with detailed instructions on piping standards and cleaning procedures.

GENERAL NOTES section providing project-specific instructions and requirements for the plumbing work.

FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC. table listing fire ratings and hilti products for various penetrant types.

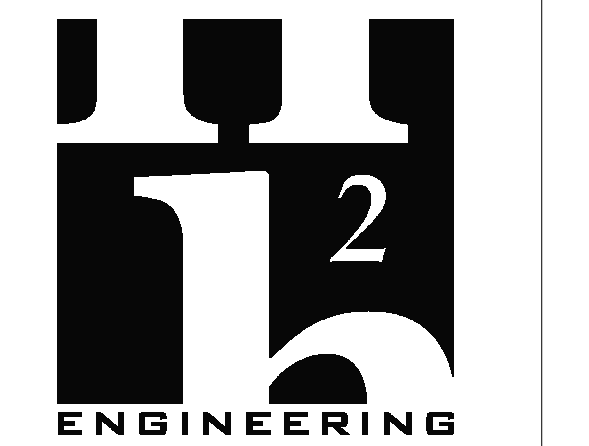
NOTES section with 5 bullet points regarding jobsite conditions, UL-classified systems, and manufacturer requirements.

ABBREVIATIONS table listing symbols for AC, AD, AFF, etc. and DRAWING INDEX table listing drawing sheets and their titles.



ARCHITECTURE PLANNING INTERIORS GRAPHICS contact information and website details.

NOTE: 11" x 17" SHEETS ARE PLOTTED AT 1/2" SCALE NOTED ON THESE DRAWINGS.



H2 ENGINEERING contact information and Florida Registry #485.

Jeffrey L. Tyler, P.E. #57093 Professional Engineer, License No. 57093.

WCSO EDUCATIONAL ANCILLARY FACILITIES - DISTRICT OFFICE project title.

RECEIVED ALLSTATE CONSTRUCTION 02-13-2025 stamp.

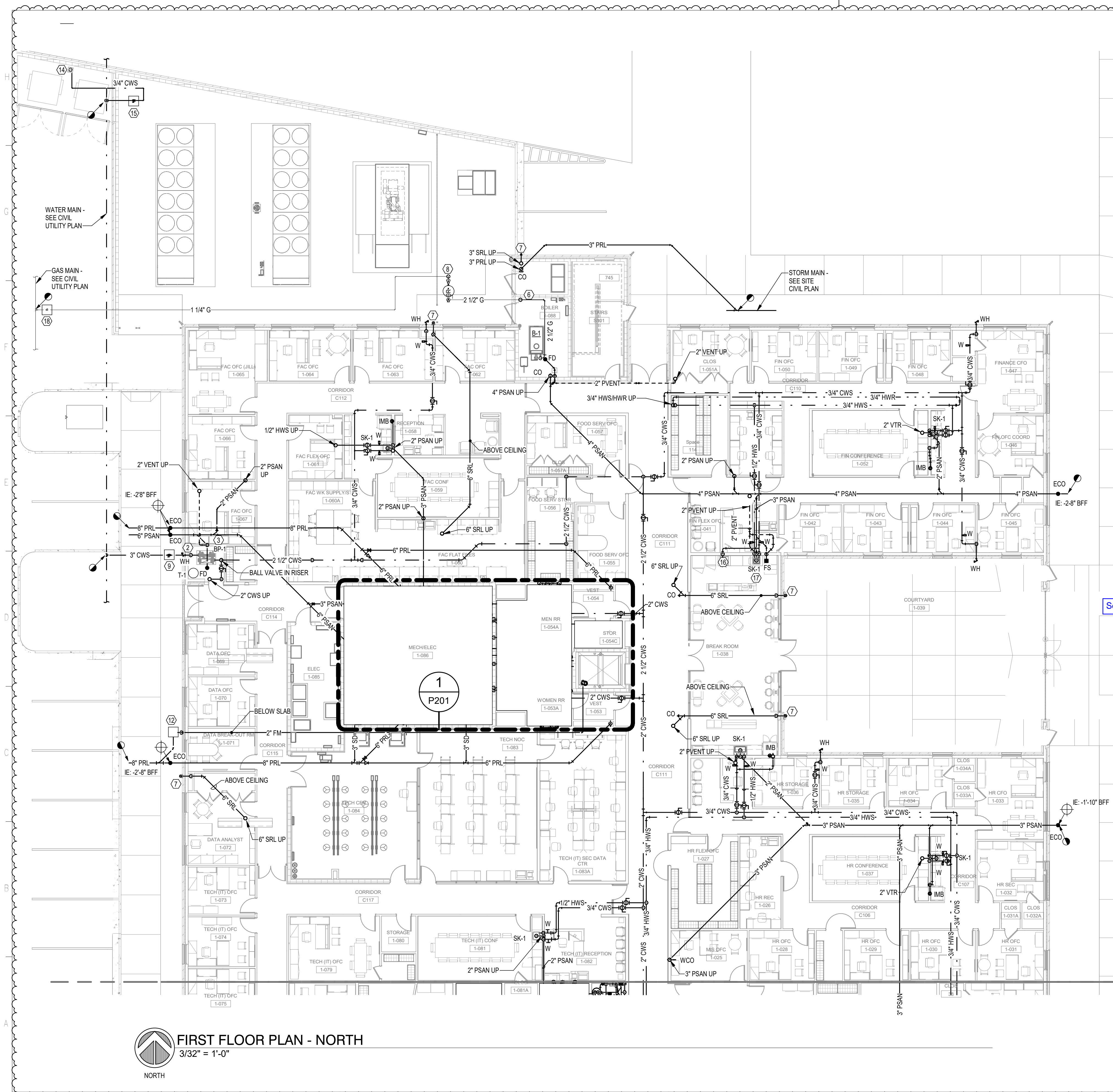
Table with 3 columns: REV, DATE, DESCRIPTION. Shows revision 1 on 2/11/2025 for ADDENDUM #1.

PROJECT PHASE CONSTRUCTION DOCUMENTS section header.

Table with 2 columns: DATE, DRAWN BY, PROJECT NO, CHECKED BY. Shows date 15 JANUARY 2025 and project number 68100.

SHEET TITLE GENERAL NOTES & LEGENDS

SHEET NO P001 REV NO section.



COORDINATION NOTES

- CONTRACTOR TO COORDINATE THE LOCATION, ALIGNMENT, ELEVATION AND/OR SPACING OF ANY EXPOSED DEVICE, FIXTURE, AND/OR PIECE OF EQUIPMENT WITH THE ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND/OR REFLECTED CEILING PLANS. DISCREPANCIES AND/OR CONFLICTS CONTAINED WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF AN EXPOSED ITEM IS NOT INDICATED ON THE ARCHITECTURAL DOCUMENTS NOTIFY THE ARCHITECT FOR CLARIFICATION OF PLACEMENT PRIOR TO INSTALLATION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC LOCATIONS OF CEILING MOUNTED DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING MOUNTED DEVICES IN THE SAME SPACE. IF A DEVICE'S LOCATION IS NOT CLEARLY INDICATED OR THERE IS A CONFLICT WITHIN THE CONTRACT DOCUMENTS NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
- LOCATION OF WALL AND FLOOR MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DEVICES. WHERE NOT INDICATED ON ARCHITECTS PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- AT EXTERIOR LOCATIONS AND IN SPACES WITH EXPOSED STRUCTURE EXPOSED UTILITIES (INCLUDING PIPING, DUCTWORK, RACEWAYS, ETC.) SHALL BE INSTALLED NEATLY, BUNDLED TOGETHER TO EXTENT POSSIBLE AND RUN AT RIGHT ANGLES TO BUILDING LINES. THESE UTILITIES SHALL BE PAINTED TO MATCH ADJACENT SURFACE OR AS DIRECTED BY ARCHITECT. HANGERS, STEEL SHAPES AND SLOTTED STEEL SUPPORTS SHALL BE PAINTED TO MATCH RACEWAY OR AS DIRECTED BY ARCHITECT. TO EXTENT POSSIBLE CONTRACTOR SHALL AVOID EXPOSED RACEWAYS BY INSTALLING UTILITIES BELOW GRADE, IN WALL, OR ABOVE ADJACENT CONCEALED CEILING SPACES.
- PROVIDE ACCESS PANELS IN CEILING WHERE ANY DEVICE OR EQUIPMENT REQUIRING SERVICE (INCLUDING DAMPERS, VALVES, JUNCTION BOXES, CONTROLLERS, SMOKE DETECTORS, ETC.) IS LOCATED ABOVE OR BEHIND AN INACCESSIBLE CEILING OR WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR APPROPRIATE UL LABEL. COORDINATE LOCATION AND TYPE OF ACCESS PANEL WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR OR GROUND MOUNTED EQUIPMENT WITH #4 REBAR 8" O.C. EACH WAY AND 1" CHAMFERED TOP EDGE. PADS ON CONCRETE SLAB SHALL BE 4" HIGH AND DOWELED INTO SLAB WITH #4 REBAR EXTENDING 2" INTO PAD, 3" INTO SLAB AND EPOXIED IN PLACE AND SPACED 12" O.C. AROUND PERIMETER OF PAD. PADS ON EARTH SHALL BE MINIMUM 6" THICK AND LAYED OUT TO EXTEND A MINIMUM OF 4" ABOVE GRADE AT HIGHEST GRADE LEVEL; COMPACT EARTH BELOW PAD PRIOR TO PAD CONSTRUCTION.

PLUMBING GENERAL NOTES

- FLOOR DRAIN BODY SHALL BE SET SO STRAINER CAN BE ADJUSTED TO MINIMUM -1/4" BELOW TOP OF SLAB AND SET IN LOWEST POINT OF FLOOR SLAB. REMOVE MINIMUM OF 4'-0" x 4'-0" SQUARE OF CONCRETE SLAB AROUND DRAIN CENTER POINT AND POUR NEW 1ST LIFT OF CONCRETE UP TO CLAMPING FLANGE AND THEN FINISH WITH TOPPING. SLOPE TOPPING AT MINIMUM 1/8" PER FOOT TO DRAIN. INSTALL WATERPROOF MEMBRANE BENEATH TOPPING AND SECURE IN DRAIN BODY CLAMPING FLANGE. ADJUST DRAIN STRAINER TOP TO BE FLUSH WITH LOWEST POINT OF NEW TOPPING. AFTER INSTALLATION CONTRACTOR SHALL CONFIRM WATER WILL FLOW FREELY TO DRAIN WITH NO PONDING ON FINISHED FLOOR.
- PROVIDE WATER SUPPLY ISOLATION VALVES AT EACH BRANCH CONNECTION AND FOR EACH BATHROOM GROUP. LOCATE VALVES SO ACCESSIBLE OR PROVIDE ACCESS PANEL IN CEILING.
- PROVIDE IDENTIFICATION STICKERS (1/2" ROUND) ON GRID WHERE VALVES ARE LOCATED ABOVE ACCESSIBLE CEILINGS.
- PROVIDE ELECTRONIC TRAP PRIMER ASSEMBLY WHERE INDICATED; ELSEWHERE PROVIDE PRESSURE ACTIVATED TRAP PRIMER VALVES.

PLUMBING KEYNOTES

- 1/2" HWS AND CWS BRANCH LINES DOWN IN AND ROUTED THROUGH WALL TO FIXTURES.
- SERVICE ENTRANCE - SEE DETAIL AP501. PROVIDE SINGLE PIECE BUILDING RISER - SEE SPECIFICATION SECTION 221116 "DOMESTIC WATER PIPING"
- SKID MOUNTED DUPLEX BOOSTER PUMP AND HYDRO-PNEUMATIC TANK - SEE DETAIL AP501 & BP503
- PROVIDE ELECTRONIC TRAP-SEAL PRIMER SYSTEM: PRECISION PLUMBING PRODUCTS PTS-500 OR APPROVED EQUAL FOR FLOOR DRAINS IN RESTROOMS AND MECHANICAL ROOMS. ROUTE TUBING ANNEALED COPPER TUBING BELOW FLOOR TO EACH FLOOR DRAIN IN AREA.
- 3-INCH INDIRECT WASTE FUNNEL WITH INTEGRAL BACKWATER VALVE FOR CONDENSATE DISCHARGE. ZURN Z325 OR APPROVED EQUAL. SEE DETAIL FP501.
- ENCASE BELOW SLAB GAS PIPING IN GALVANIZED STEEL SLEEVE. SEAL ANNUAL OPENINGS ON BOTH ENDS ABOVE GRADE AND VENT ENCASUREMENT TO EXTERIOR OF BUILDING. SEE DETAIL AP503.
- OVERFLOW ROOF DRAIN DOWNSPOUT NOZZLE - SEE DETAIL JP501. COORDINATE EXACT PLACEMENT AND ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE GAS SERVICE MAIN VALVE, REGULATOR (0.5 PSIG OUTLET), METER AND POUR 4" HIGH CONCRETE PAD BELOW ABOVE GRADE PIPING AND APPURTENANCES - SEE DETAIL CP501. COORDINATE WITH SERVICE UTILITY PROVIDER FOR SPECIFIC REQUIREMENTS.
- PROVIDE POTABLE SERVICE AWWA BUTTERFLY VALVE INSIDE 24"x24" IN-GRADE TIER 22 POLYMER CONCRETE OPEN BOTTOM VALVE BOX. MARKING ON BOX SHALL READ "WATER SERVICE". OLDCASTLE POLYMER; 2424 OR APPROVED EQUAL. SEE DETAIL CP503.
- 20 GALLON ELECTRIC WATER HEATER. SHELF MOUNTED ABOVE MOP SINK WITH EXPANSION TANK AND THERMOSTATIC MIXING VALVE. SEE DETAIL BP502.
- 40 GALLON ELECTRIC WATER HEATER. FLOOR MOUNTED WITH EXPANSION TANK, RECIRC PUMP AND THERMOSTATIC MIXING VALVE. SEE DETAIL BP502.
- PROVIDE 18" SQUARE CATCH BASIN WITH GRATE AND 6" OUTLET TO RECEIVE DISCHARGE FROM ELEVATOR SUMP FORCE MAIN. TURN FORCE MAIN UP 12" ABOVE GRADE AND ELBOW DOWN TO DISCHARGE OVER GRATE WITH MINIMUM 2" AIR GAP.
- OIL SPOTTER FOR ELEVATOR SUMP PUMP - SEE DETAIL CP502
- GROUND HYDRANT IN 12"x12" CONCRETE PAD. ZURN; Z1360XL OR APPROVED EQUAL.
- PROVIDE 3/4" BALL VALVE INSIDE 18"x10 IN-GRADE TIER 22 POLYMER CONCRETE OPEN BOTTOM VALVE BOX. MARKING ON BOX SHALL READ "WATER SERVICE". OLDCASTLE POLYMER; 1118 OR APPROVED EQUAL. SEE DETAIL CP503.
- STUB 3/8" SUPPLY THROUGH WALL WITH ESCUTCHEON AND SUPPLY STOP FOR COFFEE MACHINE.
- PROVIDE DUAL OUTLET SUPPLY STOP AT SINK. EXTEND 3/8" THROUGH HIGH FLOW FILTRATION SYSTEM IN BASE CABINET TO ICE MACHINE. 3M; ICE160-S OR APPROVED EQUAL.
- GAS SHUT-OFF WITH CAST IRON ROADWAY VALVE BOX.

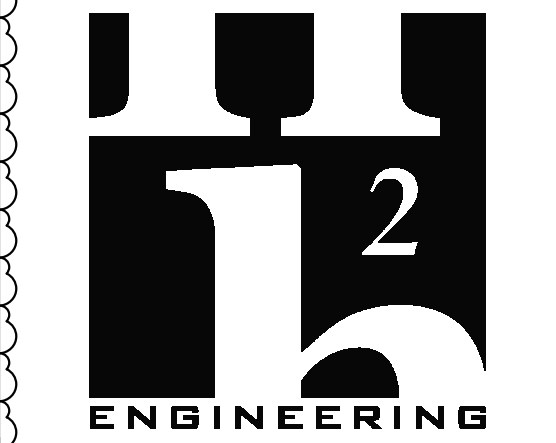
See Alternate



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA, (EMI architects)
251 E. 7TH AVENUE, TALLAHASSEE, FL 32303
(850) 222-7442
www.emiarch.com
LICENSE # A-000409 B-000153

NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2" SCALE NOTED ON THESE DRAWINGS.



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H2E PROJECT No. 17-17
114 EAST 5th AVENUE TALLAHASSEE, FL
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Florida Registry #2485
Jeffrey L. Tyler, P.E. #57093
Jeffrey Lee Tyler, State of Florida,
Professional Engineer, License No. 57093

This item has been digitally signed and sealed by Jeffrey Lee Tyler, P.E. on the date indicated here.

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Date: 02/10/2025

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RECEIVED
ALLSTATE CONSTRUCTION
02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE
15 JANUARY 2025

DRAWN BY
JDR

PROJECT NO
88100

CHECKED BY
JLT

SHEET TITLE

FIRST FLOOR PLAN NORTH

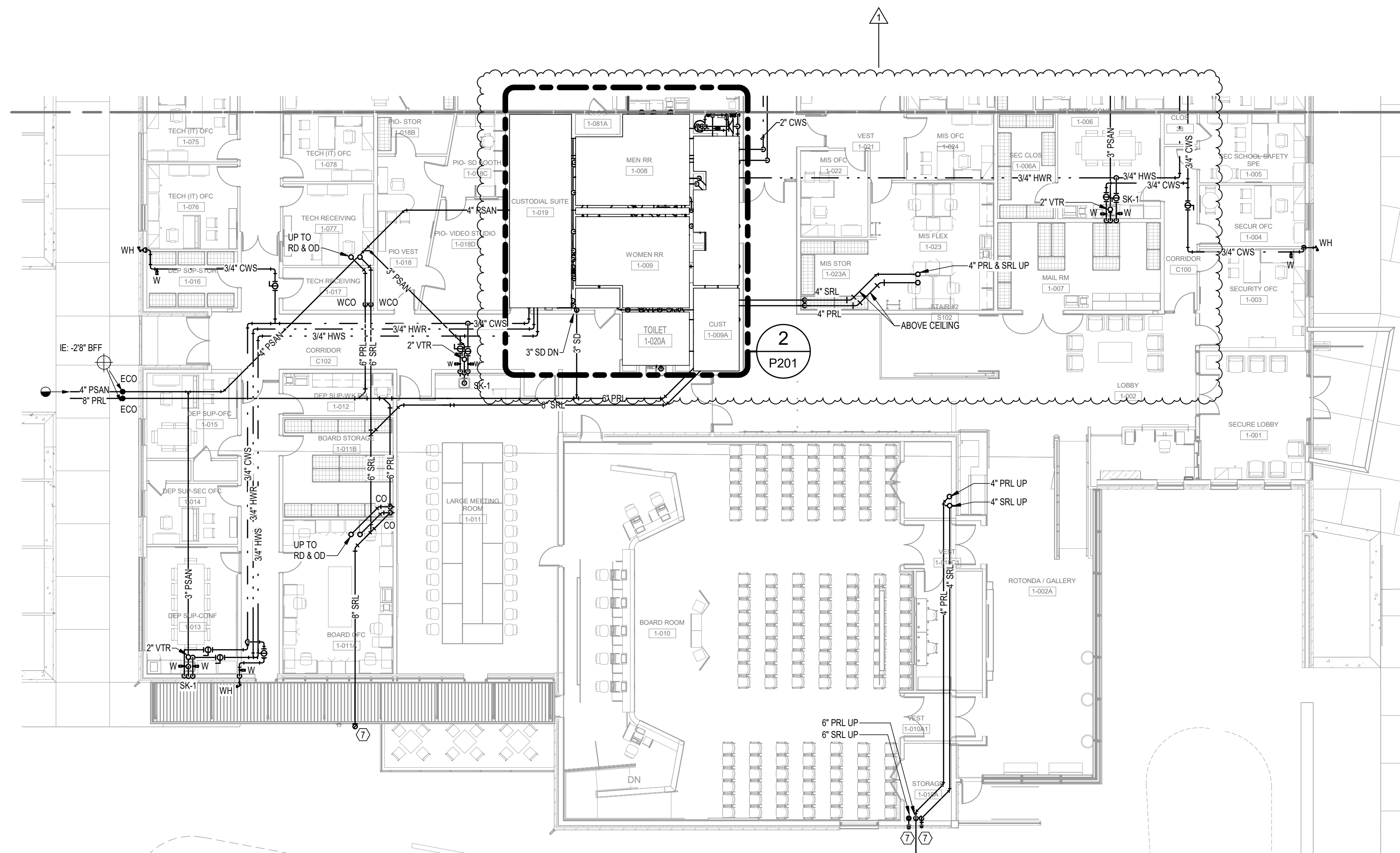
SHEET NO
P101-N

REV NO

2/10/2025 5:01:55 PM

FIRST FLOOR PLAN - NORTH
3/32" = 1'-0"
NORTH

2/10/2025 5:01:59 PM



FIRST FLOOR PLAN - SOUTH
3/32" = 1'-0"
NORTH

COORDINATION NOTES

- CONTRACTOR TO COORDINATE THE LOCATION, ALIGNMENT, ELEVATION AND/OR SPACING OF ANY EXPOSED DEVICE, FIXTURE, AND/OR PIECE OF EQUIPMENT WITH THE ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND/OR REFLECTED CEILING PLANS. DISCREPANCIES AND/OR CONFLICTS CONTAINED WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF AN EXPOSED ITEM IS NOT INDICATED ON THE ARCHITECTURAL DOCUMENTS NOTIFY THE ARCHITECT FOR CLARIFICATION OF PLACEMENT PRIOR TO INSTALLATION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC LOCATIONS OF CEILING MOUNTED DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING MOUNTED DEVICES IN THE SAME SPACE. IF A DEVICE'S LOCATION IS NOT CLEARLY INDICATED OR THERE IS A CONFLICT WITHIN THE CONTRACT DOCUMENTS NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
- LOCATION OF WALL AND FLOOR MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DEVICES. WHERE NOT INDICATED ON ARCHITECT'S PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- AT EXTERIOR LOCATIONS AND IN SPACES WITH EXPOSED STRUCTURE EXPOSED UTILITIES (INCLUDING PIPING, DUCTWORK, RACEWAYS, ETC.) SHALL BE INSTALLED NEATLY, BUNDLED TOGETHER TO EXTENT POSSIBLE AND RUN AT RIGHT ANGLES TO BUILDING LINES. THESE UTILITIES SHALL BE PAINTED TO MATCH ADJACENT SURFACE OR AS DIRECTED BY ARCHITECT. HANGERS, STEEL SHAPES AND SLOTTED STEEL SUPPORTS SHALL BE PAINTED TO MATCH RACEWAY OR AS DIRECTED BY ARCHITECT. TO EXTENT POSSIBLE CONTRACTOR SHALL AVOID EXPOSED RACEWAYS BY INSTALLING UTILITIES BELOW GRADE, IN WALL, OR ABOVE ADJACENT CONCEALED CEILING SPACES.
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PLUMBING GENERAL NOTES

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- PROVIDE WATER SUPPLY ISOLATION VALVES AT EACH BRANCH CONNECTION AND FOR EACH BATHROOM GROUP. LOCATE VALVES SO ACCESSIBLE OR PROVIDE ACCESS PANEL IN CEILING.
- PROVIDE IDENTIFICATION STICKERS (1/2" ROUND) ON GRID WHERE VALVES ARE LOCATED ABOVE ACCESSIBLE CEILINGS.
- PROVIDE ELECTRONIC TRAP PRIMER ASSEMBLY WHERE INDICATED; ELSEWHERE PROVIDE PRESSURE ACTIVATED TRAP PRIMER VALVES.

PLUMBING KEYNOTES

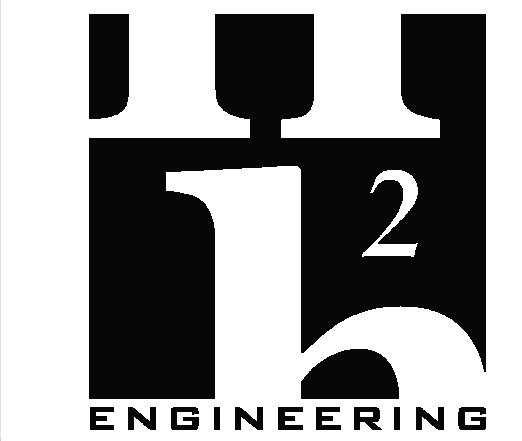
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- SKID MOUNTED DUPLEX BOOSTER PUMP AND HYDRO-PNEUMATIC TANK - SEE DETAIL AP501 & B/P503.
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- 20 GALLON ELECTRIC WATER HEATER, SHELF MOUNTED ABOVE MOP SINK WITH EXPANSION TANK AND THERMOSTATIC MIXING VALVE. SEE DETAIL AP502.
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- GAS SHUT-OFF WITH CAST IRON ROADWAY VALVE BOX.



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PLANNING INTERIORS
GRAPHICS

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251 E. 7TH AVENUE, TALLAHASSEE FL 32303
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Professional Engineer, License No. 57093

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CONSTRUCTION DOCUMENTS

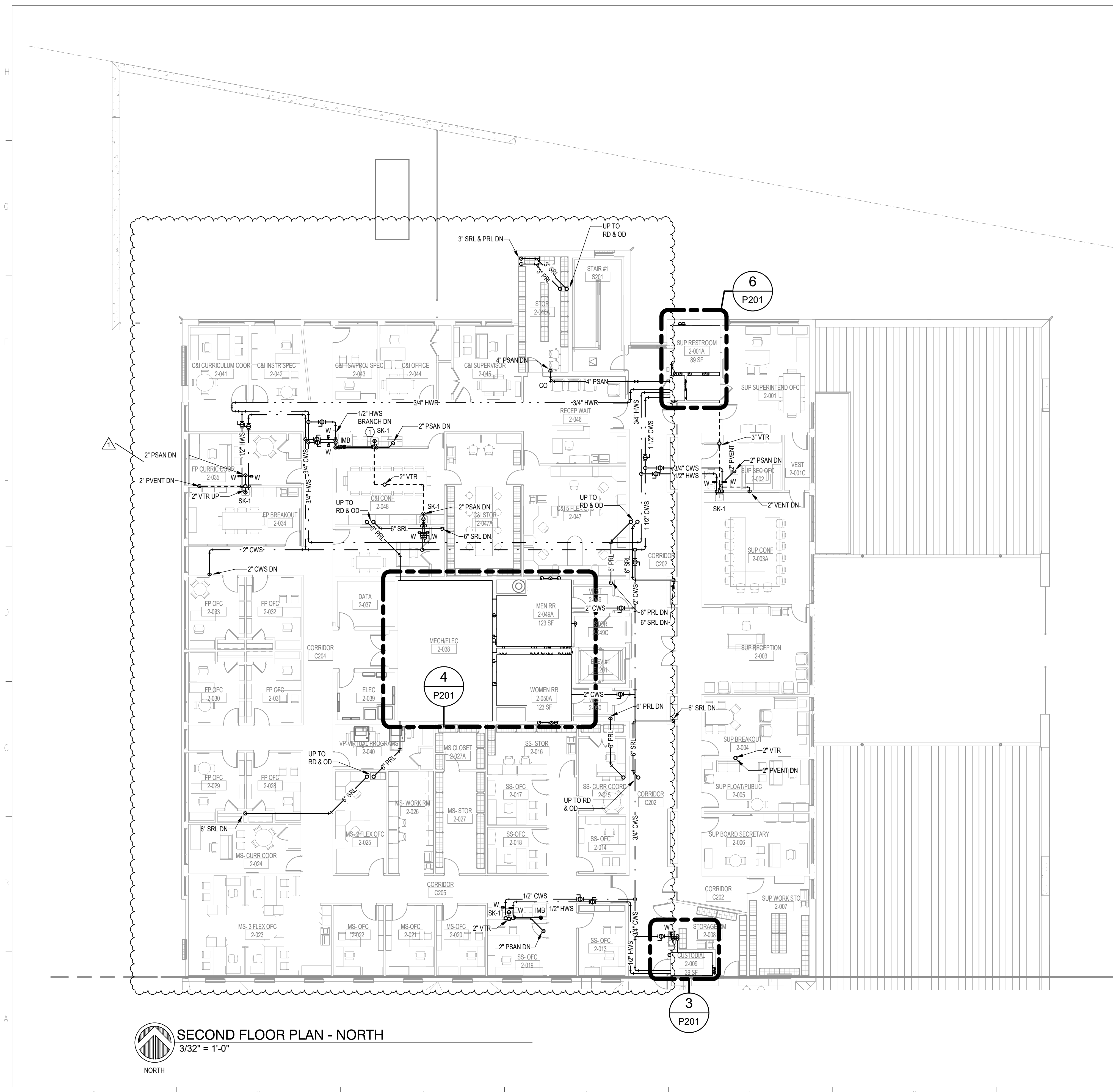
DATE	DRAWN BY
15 JANUARY 2025	JDR

PROJECT NO	CHECKED BY
68100	JLT

SHEET TITLE

**FIRST FLOOR PLAN
SOUTH**

SHEET NO	REV NO
P101-S	



SECOND FLOOR PLAN - NORTH
3/32" = 1'-0"
NORTH

COORDINATION NOTES

- CONTRACTOR TO COORDINATE THE LOCATION, ALIGNMENT, ELEVATION AND/OR SPACING OF ANY EXPOSED DEVICE, FIXTURE, AND/OR PIECE OF EQUIPMENT WITH THE ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND/OR REFLECTED CEILING PLANS. DISCREPANCIES AND/OR CONFLICTS CONTAINED WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF AN EXPOSED ITEM IS NOT INDICATED ON THE ARCHITECTURAL DOCUMENTS NOTIFY THE ARCHITECT FOR CLARIFICATION OF PLACEMENT PRIOR TO INSTALLATION.
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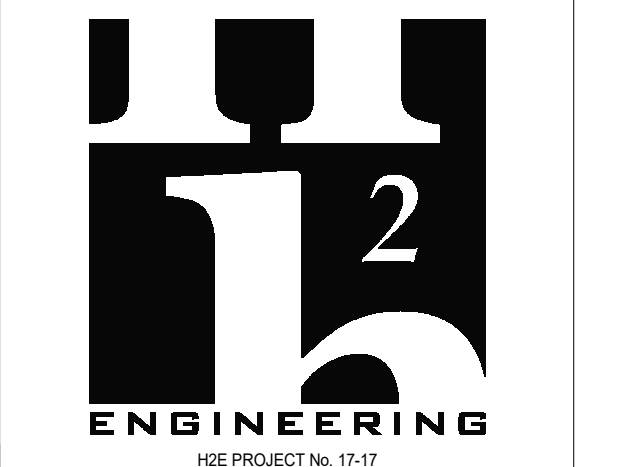
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ARCHITECTURE
PLANNING INTERIORS
GRAPHICS
ELLIOTT MARSHALL PHNS PA. (EMI archtnc)
251 E. 7TH AVENUE, TALLAHASSEE FL 32303
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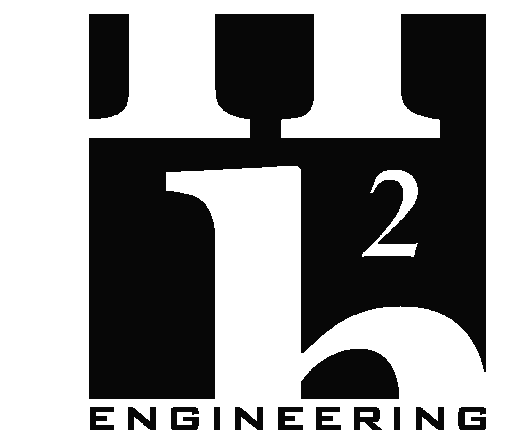
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1	2/11/2025	ADDENDUM #1

PROJECT PHASE	
DATE	DRAWN BY
15 JANUARY 2025	JDR
PROJECT NO	CHECKED BY
68100	JLT

SHEET TITLE
**SECOND FLOOR PLAN
NORTH**
SHEET NO
P102-N
REV NO

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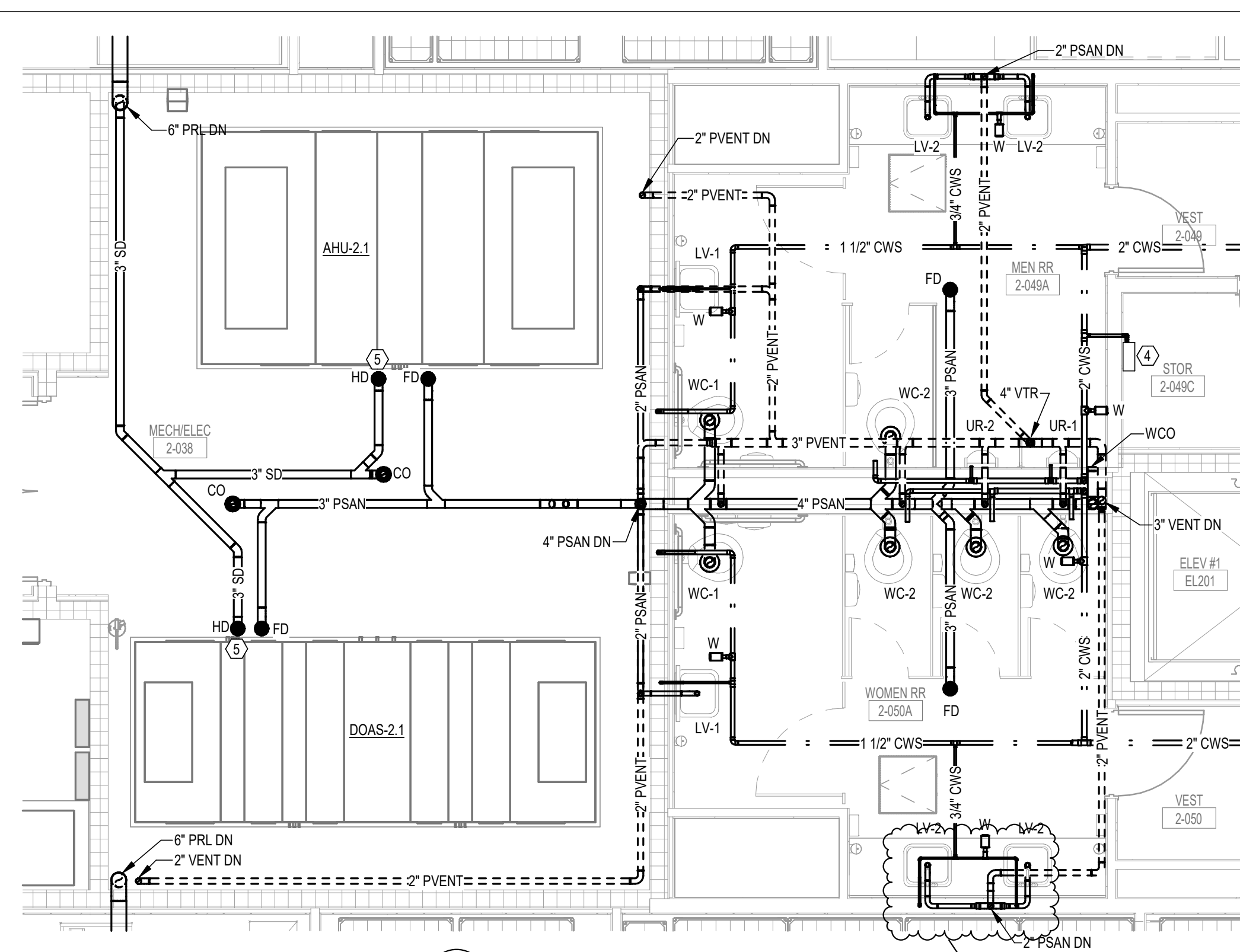
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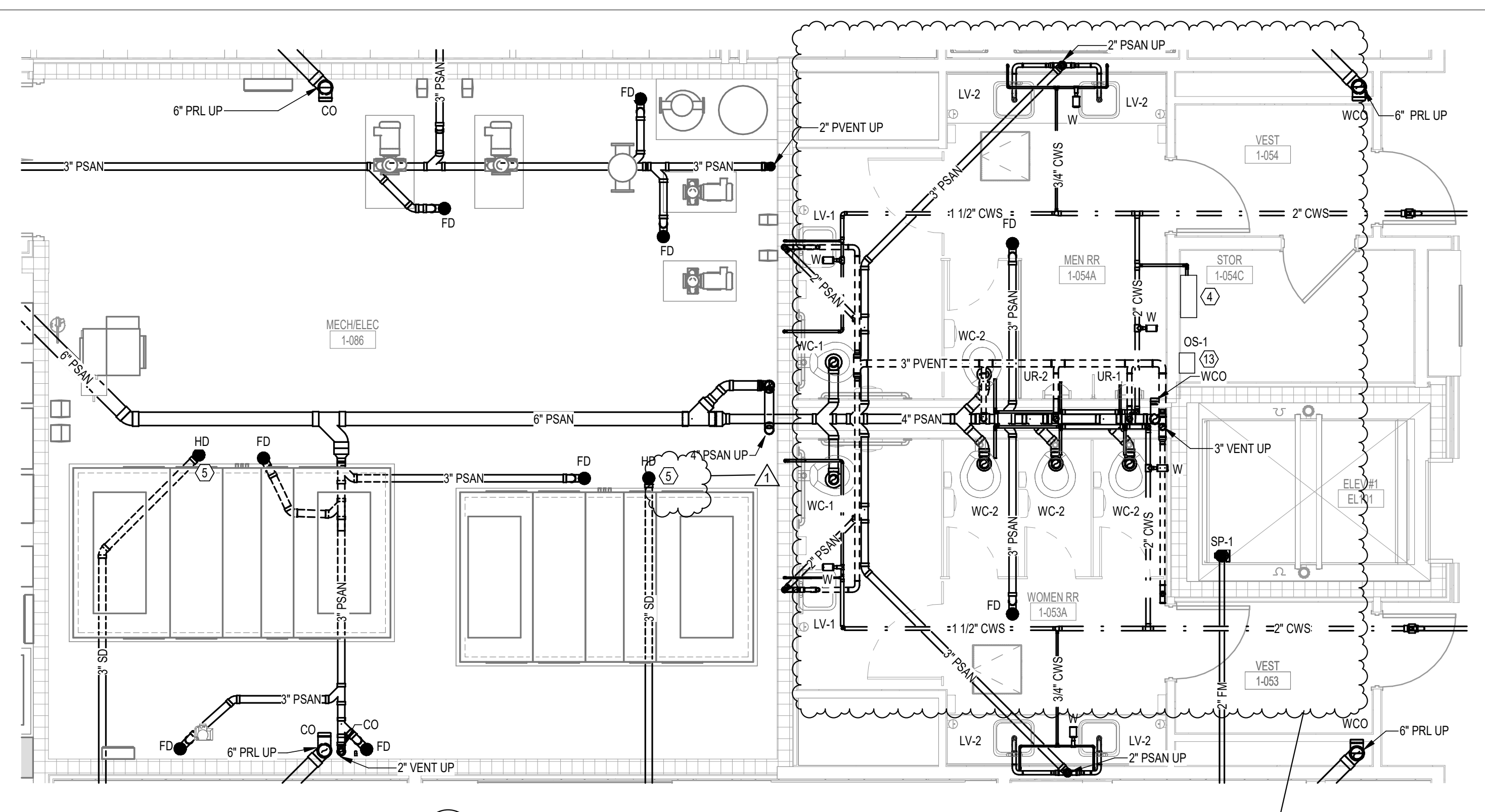
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SHEET NO
P201

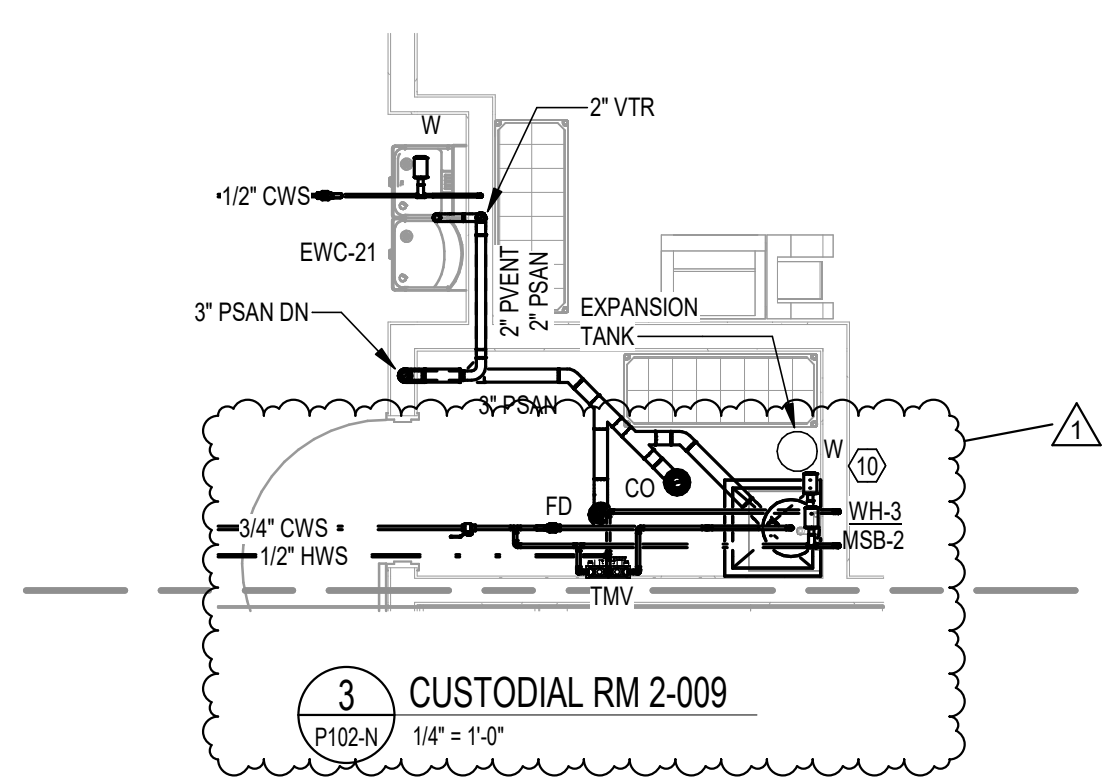
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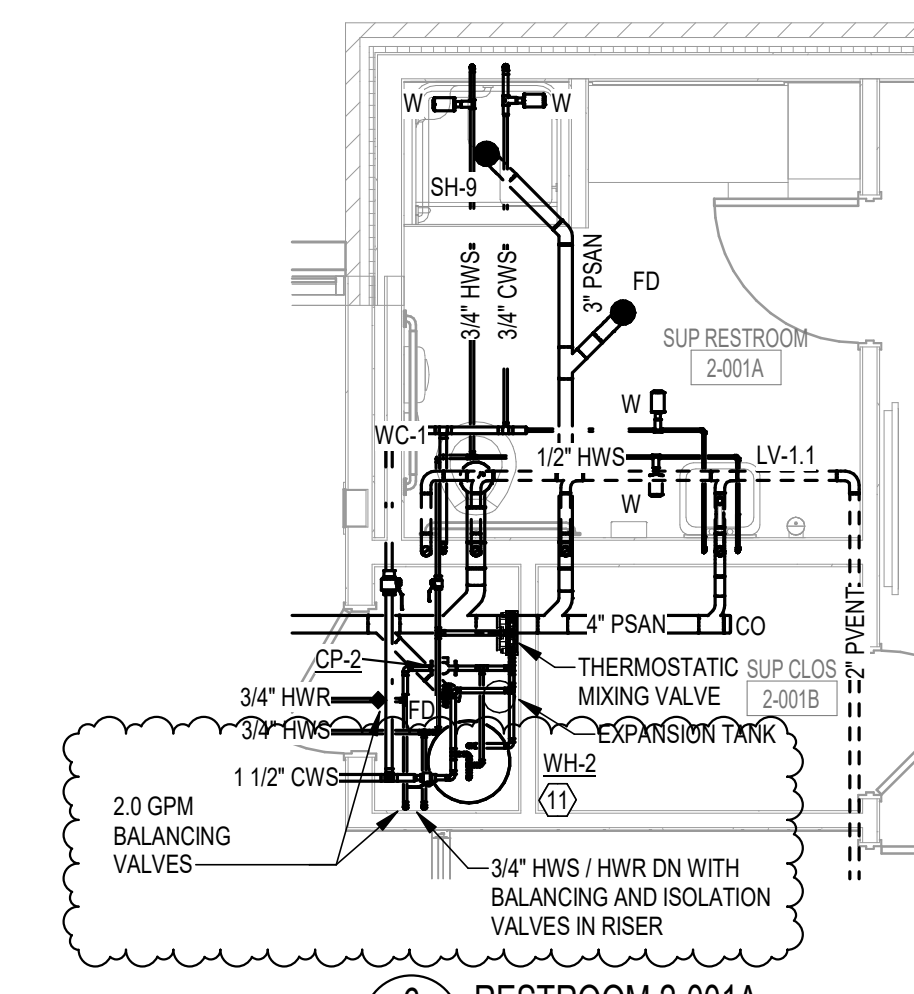
4 RESTROOMS 2-049A & 2-050A
P102-N 1/4" = 1'-0"



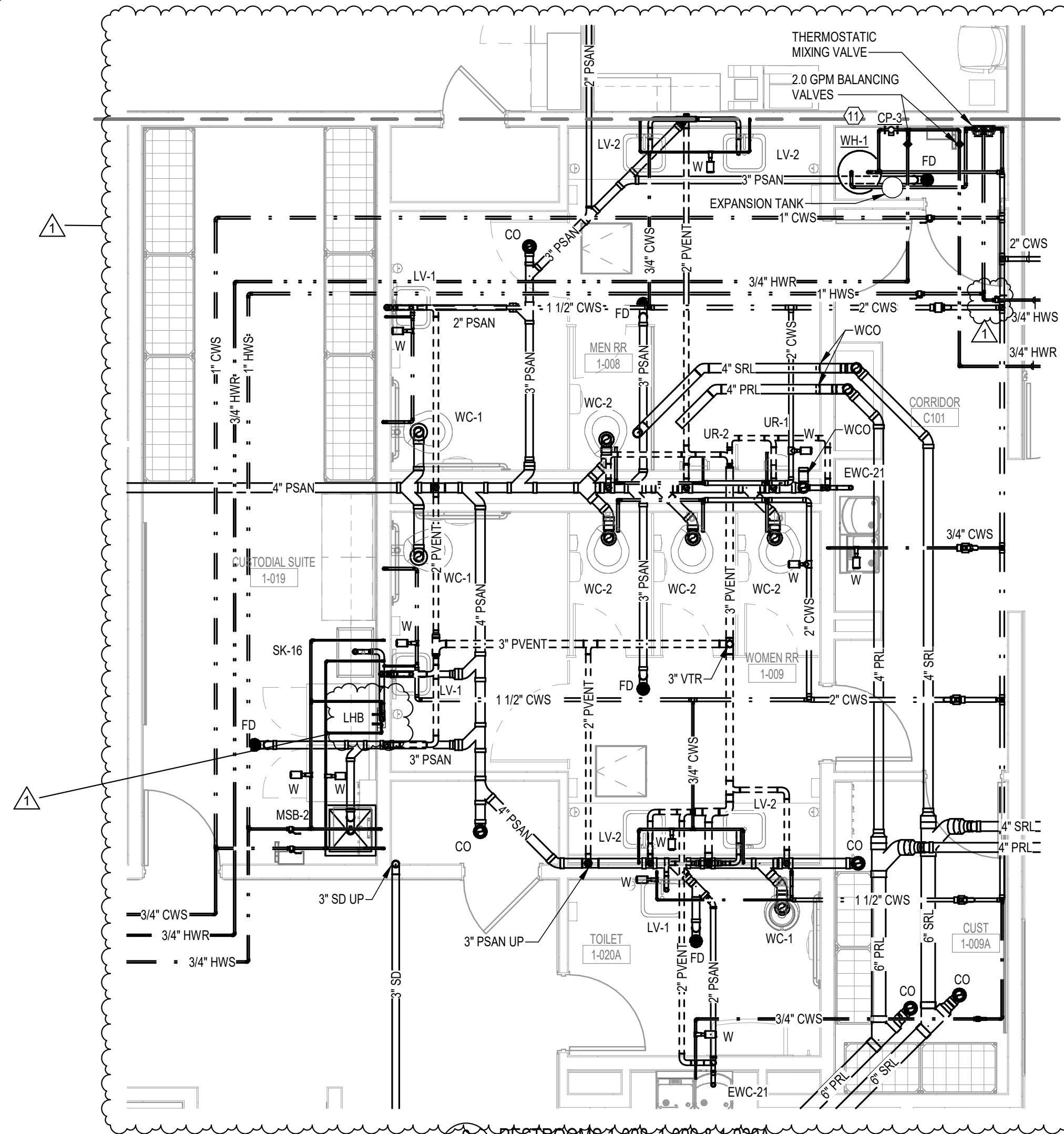
1 RESTROOMS 1-053A & 1-054A
P101-N 1/4" = 1'-0"



3 CUSTODIAL RM 2-009
P102-N 1/4" = 1'-0"



6 RESTROOM 2-001A
P102-N 1/4" = 1'-0"



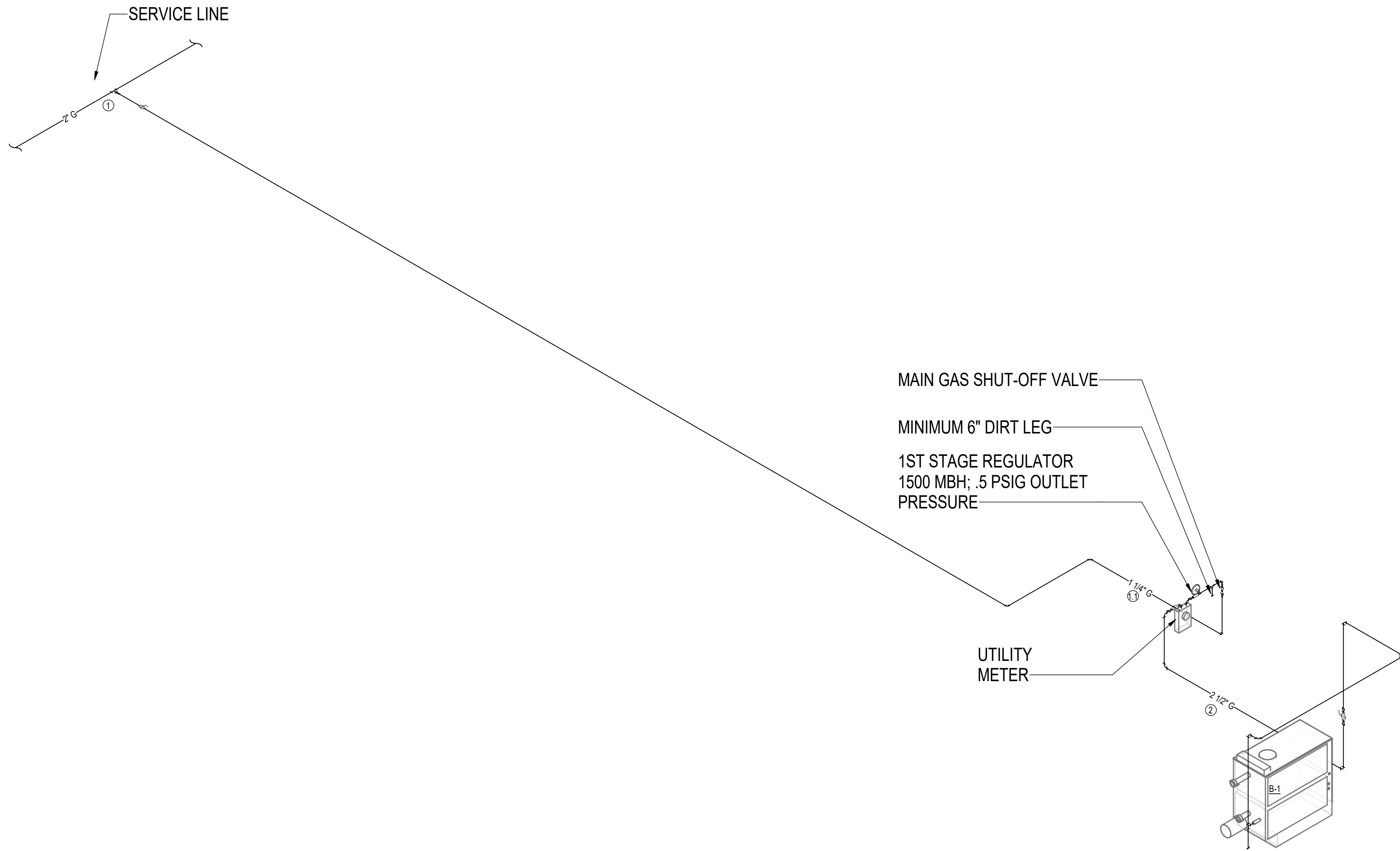
2 RESTROOMS 1-008, 1-009 & 1-020A
P101-S 1/4" = 1'-0"

SEE SHEET P101-N
FOR KEYNOTES

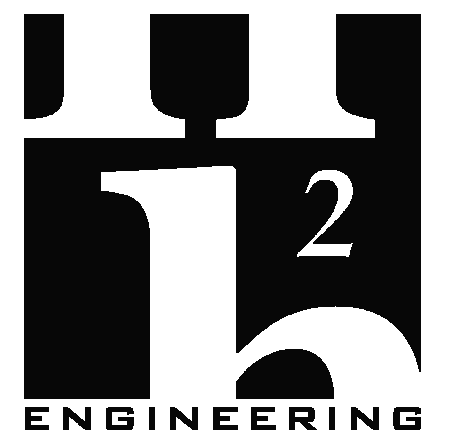
GAS PIPE SCHEDULE

PIPE SECTION	FUEL GAS TYPE	PIPE MATERIAL	CAPACITY (MBH)	DESIGN PRESSURE	EQUIPMENT	PIPE LENGTH (FT)	EQUIV. LENGTH FOR FITTINGS (FT)	TOTAL LENGTH (FT)	PIPE SIZE (IN)
1	NATURAL GAS	STEEL (SCH 40)	3,000	3 PSI		400	41	441	2
1.1	NATURAL GAS	STEEL (SCH 40)	1,500	3 PSI		100	17	117	1 1/4
2	NATURAL GAS	STEEL (SCH 40)	1,500	7 IN WC	Boiler	40	45	85	2 1/2

NOTES:
1 GAS PIPING SIZED USING LONGEST LENGTH METHOD FROM POINT OF DELIVERY TO EITHER REGULATOR OR APPLIANCE.
SEE FLORIDA BUILDING CODE - FUEL GAS TABLES: 402.4(6), 402.4(2)



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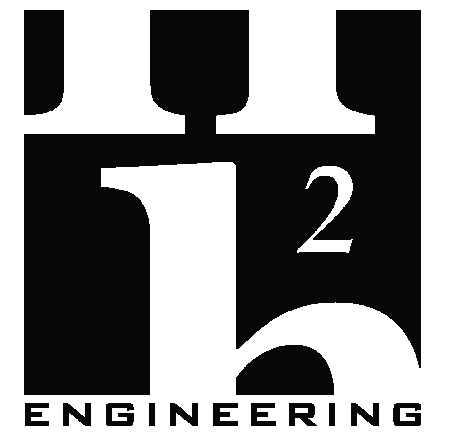
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GAS SUPPLY RISER

SHEET NO
P300

REV NO

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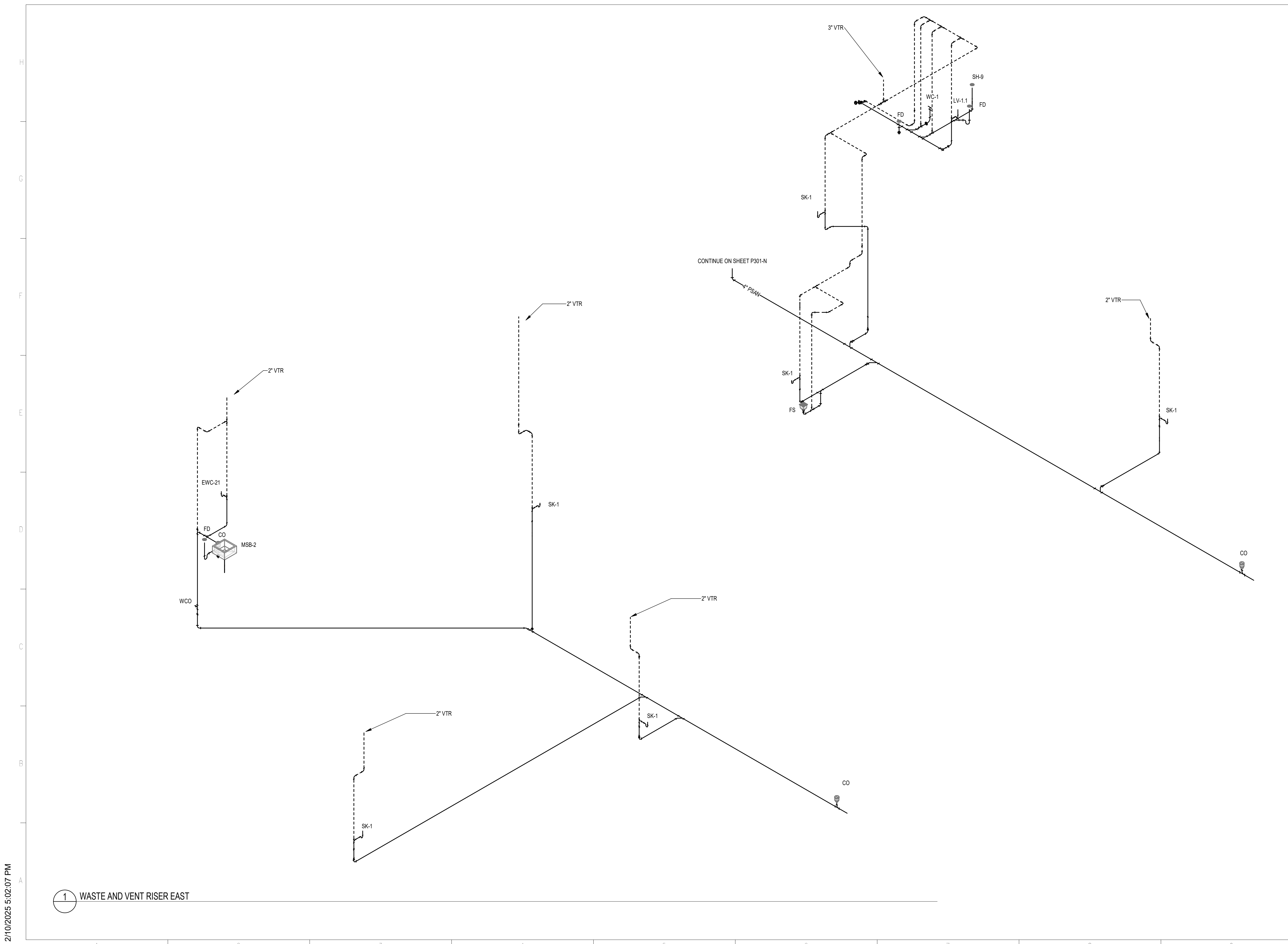
PROJECT PHASE
CONSTRUCTION DOCUMENTS

DATE 15 JANUARY 2025	DRAWN BY JDR
PROJECT NO 68100	CHECKED BY JLT

SHEET TITLE

WASTE AND VENT RISER

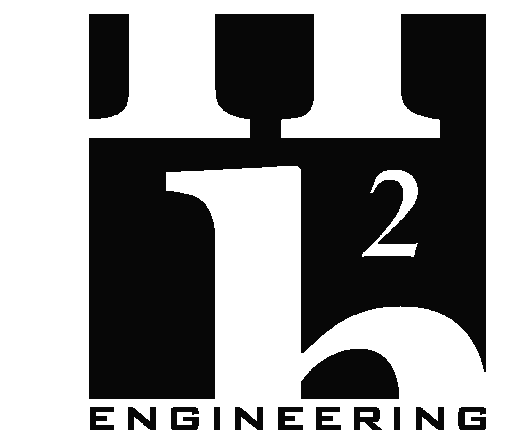
SHEET NO P301-E	REV NO
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1 WASTE AND VENT RISER EAST

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NOTE:
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Professional Engineer, License No. 57093

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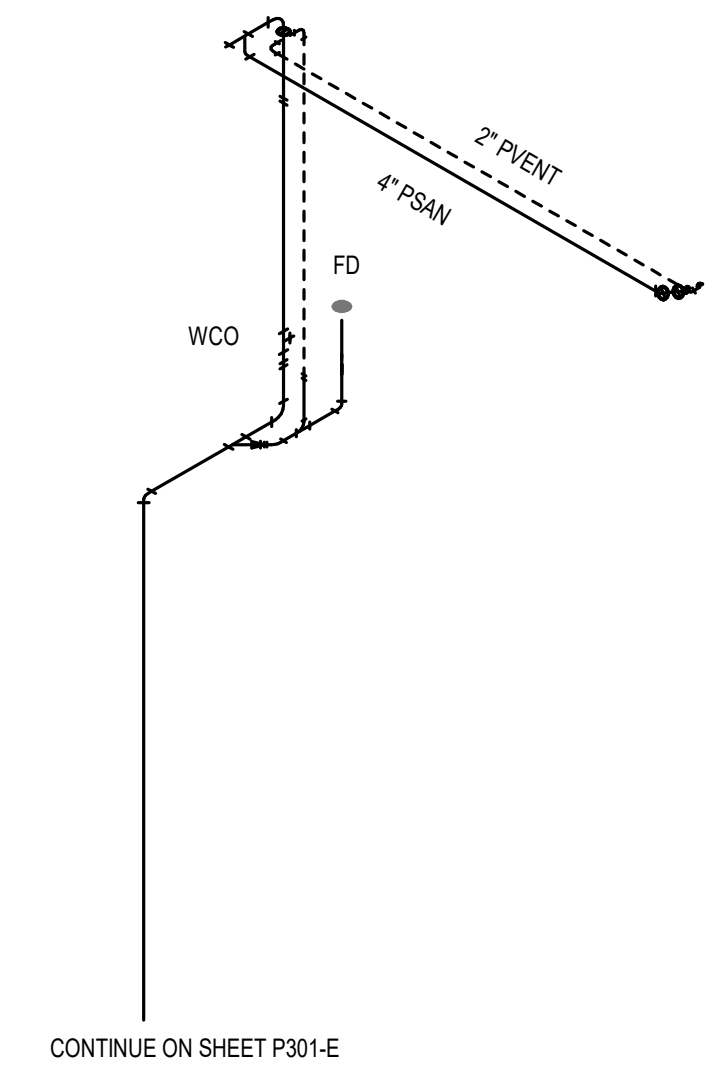
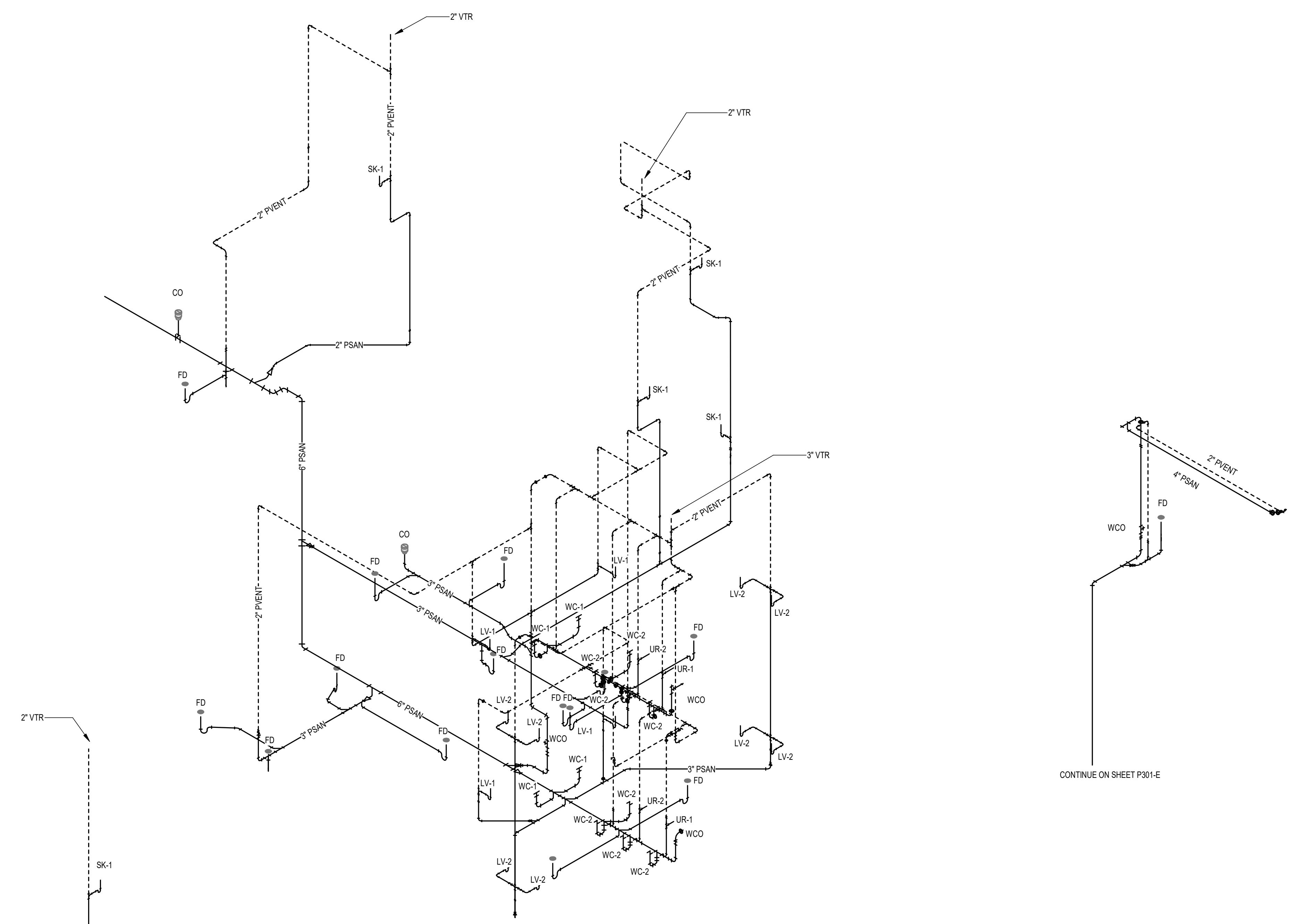
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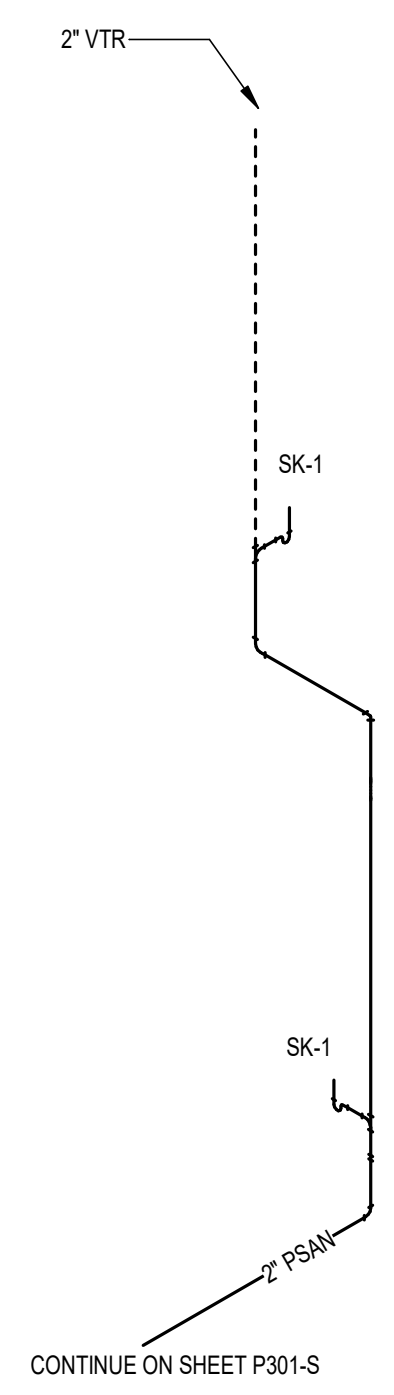
WASTE AND VENT RISER

SHEET NO
P301-N

REV NO



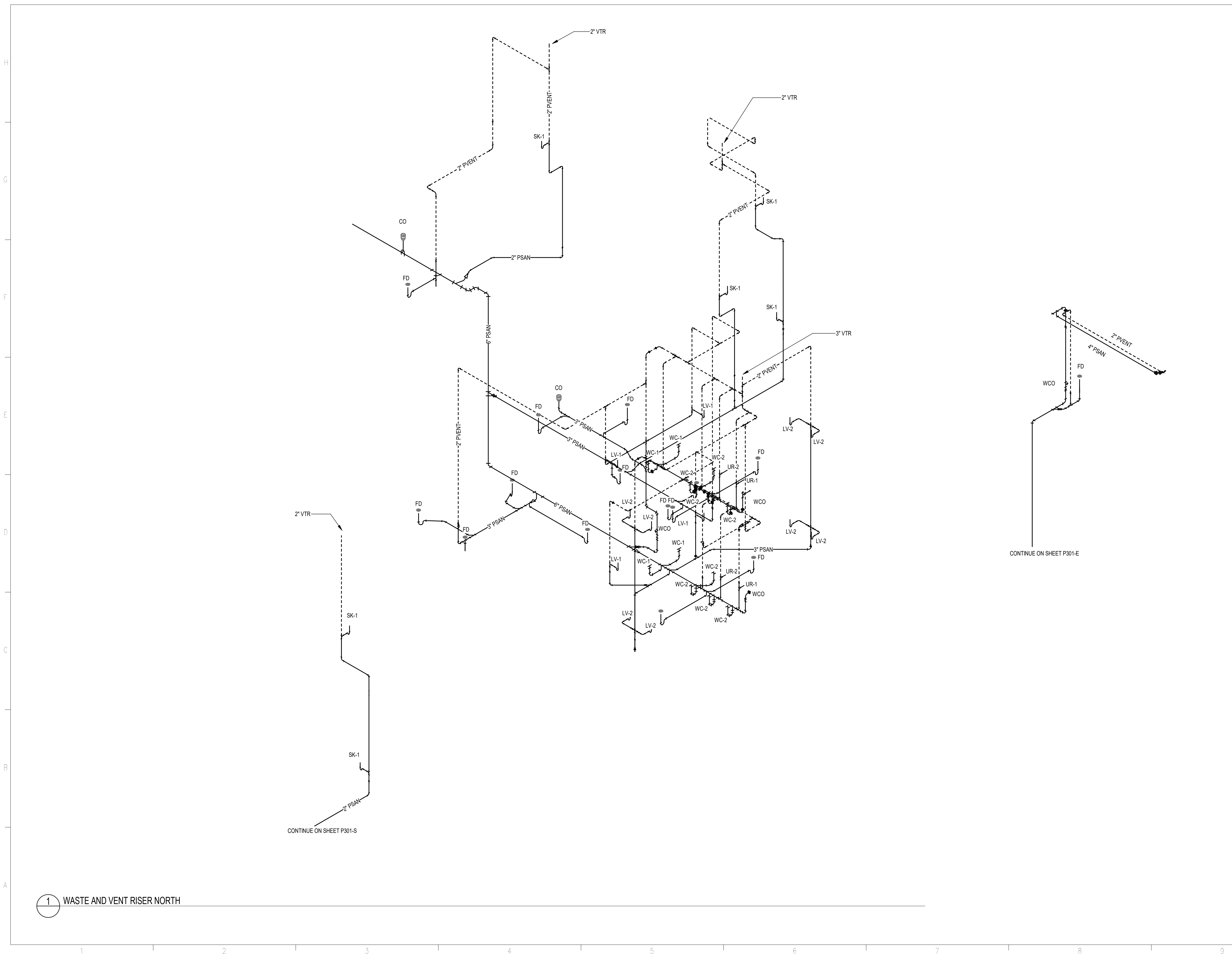
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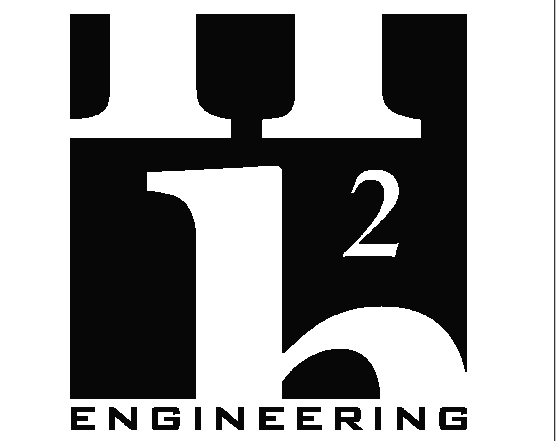
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1 WASTE AND VENT RISER NORTH

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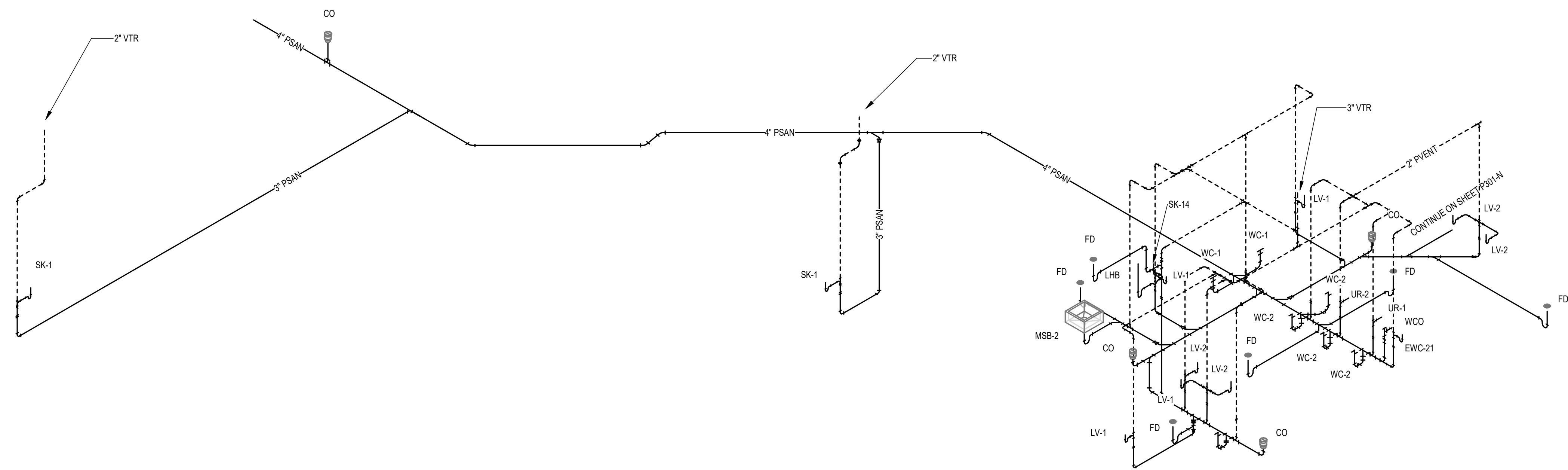
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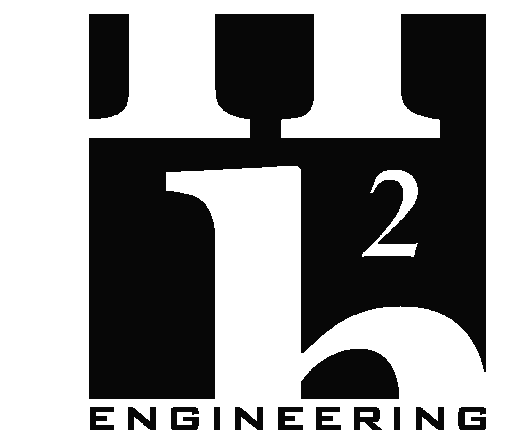
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P301-S



1 WASTE AND VENT RISER SOUTH

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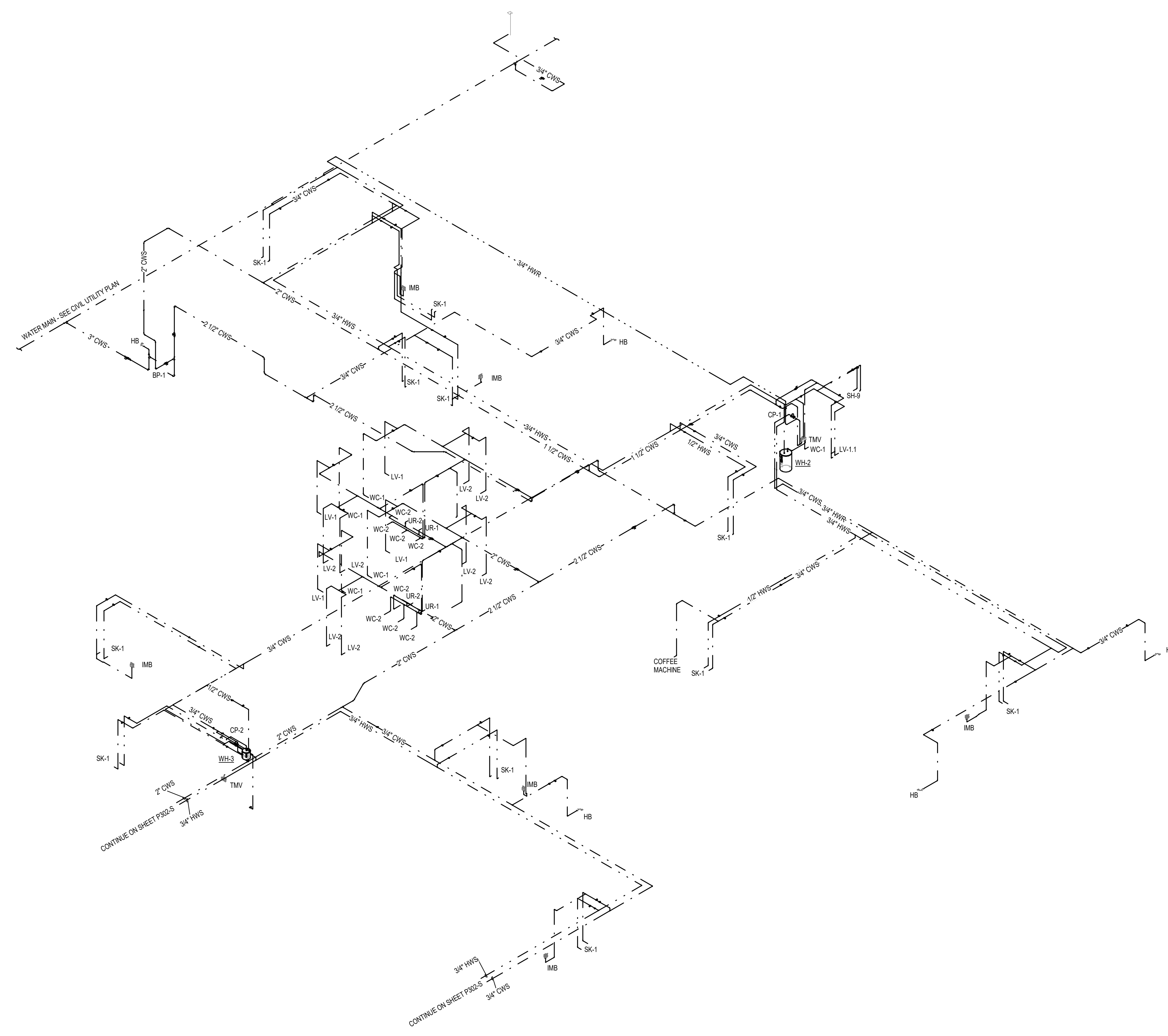
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SUPPLY RISER

SHEET NO
P302-N

REV NO

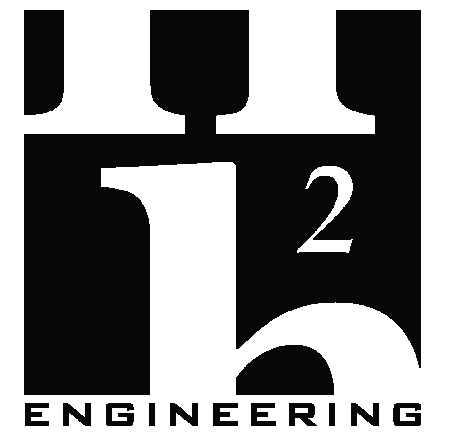


1 SUPPLY RISER NORTH

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1 2 3 4 5 6 7 8 9

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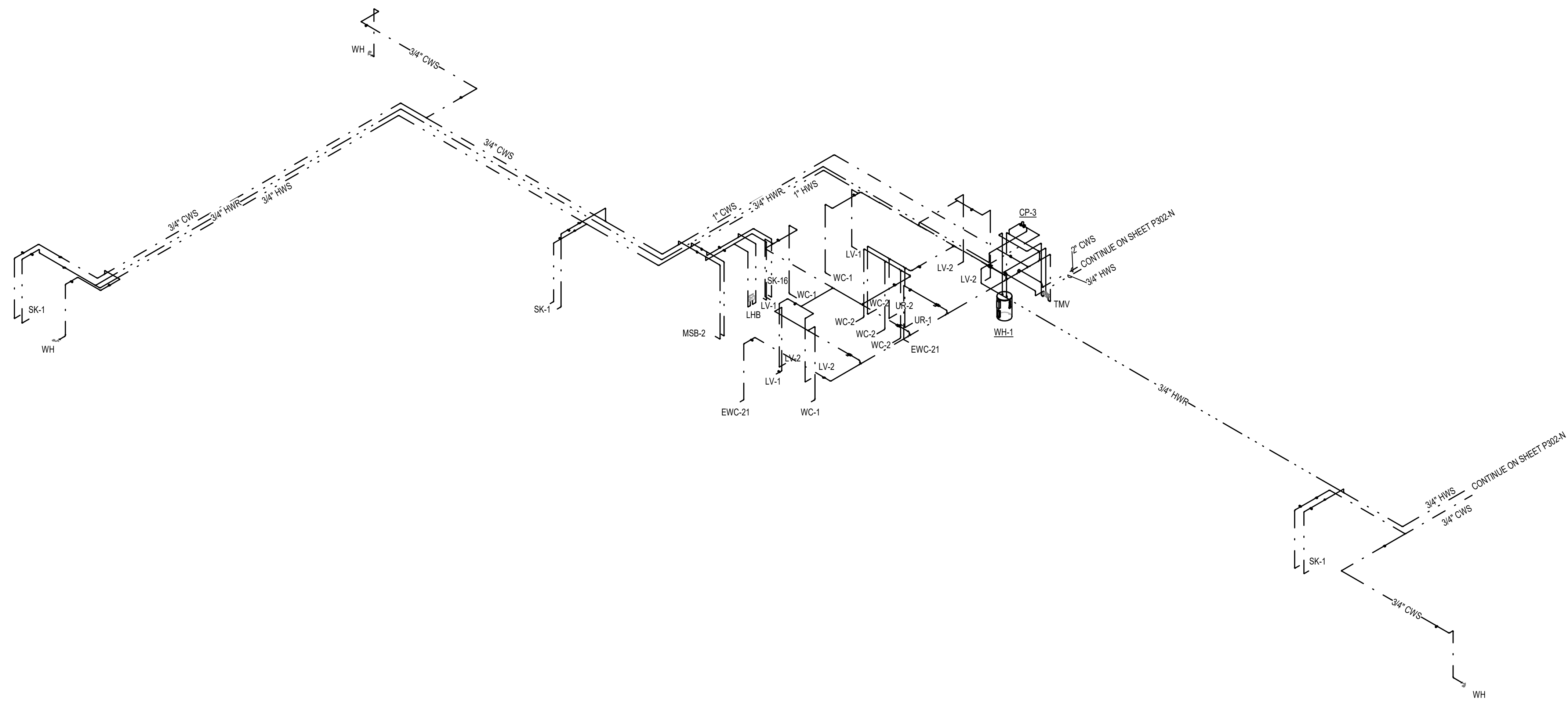
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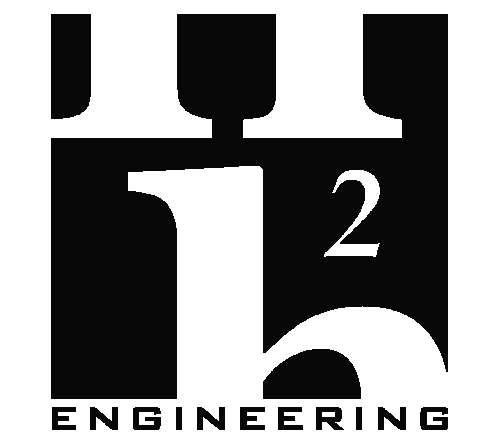
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P302-S	



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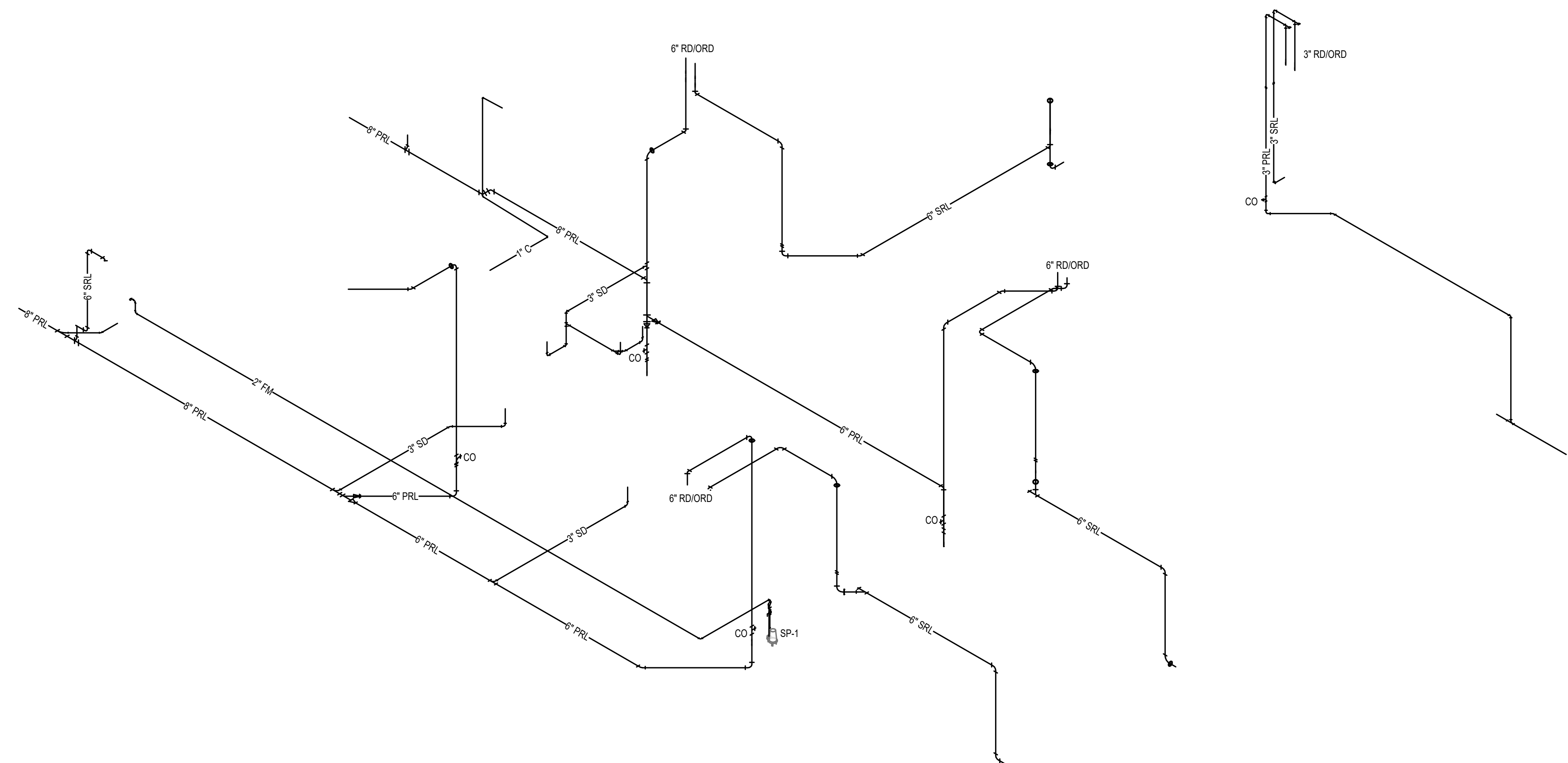
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**STORM AND
CONDENSATE RISER**

SHEET NO.	REV NO.
P303-N	

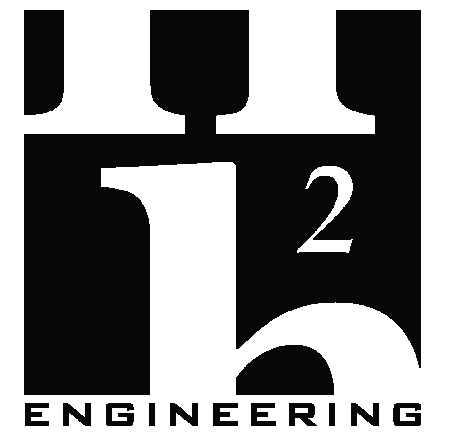


1 STORM AND CONDENSATE RISER NORTH

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1 2 3 4 5 6 7 8 9

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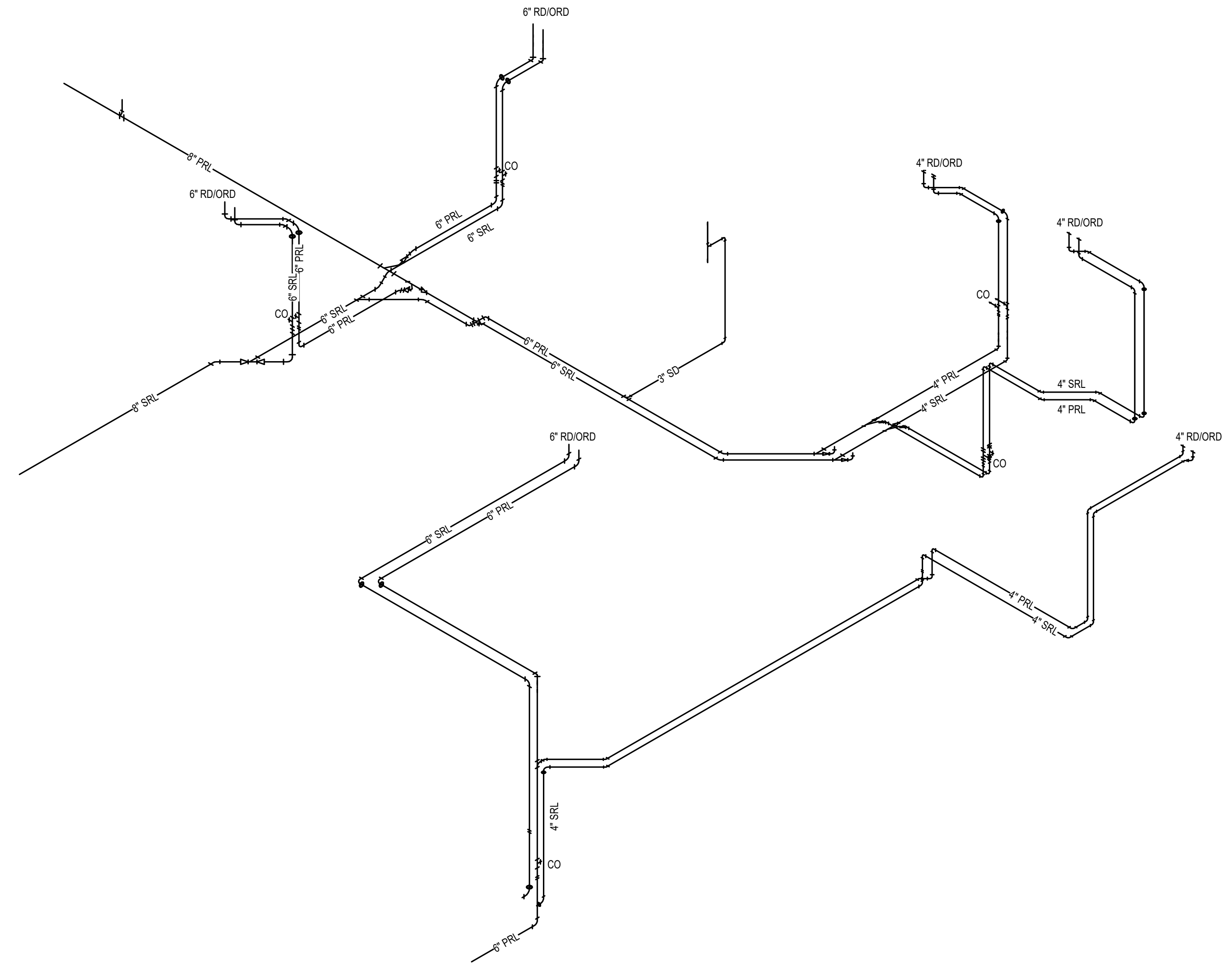
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**STORM AND
CONDENSATE RISER**

SHEET NO
P303-S



1 STORM AND CONDENSATE RISER SOUTH

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1 2 3 4 5 6 7 8 9

PLUMBING FIXTURE SCHEDULE

FIXTURE DESIGNATION	FIXTURE DESCRIPTION	A.D.A. COMPLIANT	MOUNTING METHOD	HEIGHT (A.F.F.)	ROUGH-IN PIPE SIZES				MANUFACTURER AND MODEL NUMBER	ACCESSORIES (SEE SCHEDULE)
					COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN		
WC-1	FLUSH VALVE WATER CLOSET, HIGH EFFICIENCY (1.28 - 1.6 GPF), VITREOUS CHINA, SIPHON JET FLUSHING ACTION, ELONGATED RIM, 1-1/2" TOP SPUD, MIN. 2" BALLPASS TRAPWAY. COLOR: WHITE.	YES	FLOOR	RIM: 16-1/2"	1"	N/A	4"	4"	AMERICAN STANDARD: 3043.001 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.28-MAN
WC-2	FLUSH VALVE WATER CLOSET, HIGH EFFICIENCY (1.28 - 1.6 GPF), VITREOUS CHINA, SIPHON JET FLUSHING ACTION, ELONGATED RIM, 1-1/2" TOP SPUD, MIN. 2" BALLPASS TRAPWAY. COLOR: WHITE.	NO	FLOOR	RIM: 15"	1"	N/A	4"	4"	AMERICAN STANDARD: 2234.001 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.28-MAN
UR-1	FLUSH VALVE URINAL, ULTRA HIGH EFFICIENCY (0.125 - 1.0 GPF), VITREOUS CHINA, WASHOUT FLUSHING ACTION, 3/4" TOP SPUD. COLOR: WHITE.	YES	WALL	RIM: 17"	3/4"	N/A	2"	2"	AMERICAN STANDARD: 6590.001 OR APPROVED EQUAL	FV-0.125-MAN
UR-2	FLUSH VALVE URINAL, ULTRA HIGH EFFICIENCY (0.125 - 1.0 GPF), VITREOUS CHINA, WASHOUT FLUSHING ACTION, 3/4" TOP SPUD. COLOR: WHITE.	NO	WALL	RIM: 24"	3/4"	N/A	2"	2"	AMERICAN STANDARD: 6590.001 OR APPROVED EQUAL	FV-0.125-MAN
LV-1	LAVATORY, 20"x18", VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), ANTI-SPLASH RIM AND HIGH BACK. COLOR: WHITE.	YES	WALL	RIM: 34"	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-MTR DR-LV-C TR-LV
LV-2	LAVATORY, 19"x15"x7.5" VITREOUS CHINA, UNDER COUNTER WITH GLAZED UNDERSIDE. COLOR: WHITE.	NO	UNDER COUNTER	RIM: 31"	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0497300.020 OR APPROVED EQUAL	FCT-LV-0.5-MTR DR-LV-C TR-LV
LV-1.1	LAVATORY, 20"x18", VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), ANTI-SPLASH RIM AND HIGH BACK. COLOR: WHITE.	YES	WALL	RIM: 34"	1/2"	1/2"	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-MAN-C DR-LV-C TR-LV
SH-9	36"x36" ONE-PIECE, MOLDED REINFORCED FIBERGLASS CONSTRUCTION, SOLID SURFACE FINISH, SHOWER BASE WITH ANTI-SKID FLOOR TREATMENT, RECESSED RECEIVER FLANGES, 1" THRESHOLD. COLOR: WHITE.	YES	FLOOR	VALVE: 38" TO 48" (OPTIONAL)	1/2"	1/2"	2"	2"	COMFORT DESIGNS: SSB 3838BF OR APPROVED EQUAL	SH-TM-FCT-HND FD-SH
SK-1	SINGLE COMPARTMENT SINK, SELF-RIMMING, 22"x19-1/2", 18"x14"x5-1/2" DEEP BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 8" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: LRAD221955-4 OR APPROVED EQUAL	FCT-SK-1.5-GEN DR-SK-STD TR-SK-STD
SK-2	SINGLE COMPARTMENT SINK, SELF-RIMMING, 22"x19-1/2", 18"x14"x10-1/8" DEEP BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 8" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	NO	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: DLR221910-4 OR APPROVED EQUAL	FCT-SK-1.5-GEN DR-SK-STD TR-SK-STD
LHB	LAUNDRY HOOK-UP BOX, 20 GAUGE STEEL, WHITE POWDER-COATED, ALL WELDED WATER TIGHT CONSTRUCTION, TOP MOUNT HOT AND COLD WATER SUPPLY VALVES WITH 5/8" COPPER SWEAT INLETS AND 3/4" COMPRESSION OUTLETS, 2" DRAIN AND WATER HAMMER ARRESTERS.	N/A	WALL RECESSED	-	1/2"	1/2"	2"	2"	GUY GRAY: T200TPVCCHA OR APPROVED EQUAL	
SK-16	SINGLE COMPARTMENT LAUNDRY SINK, 23"x22", 20-1/4" x 17-1/4" x 13" DEEP BOWL, PLASTIC, 2 FAUCET HOLES 4" OFF CENTER, BAKED ENAMEL ANGLE LEGS.	NO	FLOOR	RIM: 33-1/2"	1/2"	1/2"	1-1/2"	2"	FIAT: FL-1 OR APPROVED EQUAL	FCT-SK-2.0-LAB DR-SK-STD TR-SK-STD
MSB-2	MOP SERVICE SINK BASIN, 24"L x 24"W x 12"H, WITH 2" WIDE SHOULDERS, 1/4" PITCH TOWARD INSIDE, PRECAST TERRAZZO (MINIMUM 3,000 PSI @ 7 DAYS), SURFACE GROUND AND POLISHED WITH ALL HOLES AND PITTS GROUDED AND WITH EXCESS REMOVED. COLOR: BLACK & WHITE MARBLE CHIPS IN GRAY PORTLAND CEMENT.	NO	FLOOR	-	1/2"	1/2"	3"	3"	FIAT: TSB-200 OR APPROVED EQUAL	FCT-MSB RMGD-MSB HOSE-MSB HGR-MSB
EW-21	ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION, FILTERED, BARRIER-FREE, TYPE 304 STAINLESS STEEL BASIN, BRUSHED FINISH, VANDAL-RESISTANT BUBBLER, STAINLESS STEEL CABINET AND CANE APRON, LEAD-FREE WATERWAYS, SELF CONTAINED SYSTEM (R-134A REFRIGERANT) DELIVERS MIN. 8 GPH OF 50°F WATER @ 80°F. INLET WATER AND 90°F AMBIENT AIR, 120V/1PH. BOTTLE FILLING STATION: ELECTRONIC SENSOR ACTIVATED WITH AUTOMATIC 20-SECOND SHUT-OFF TIMER AND BOTTLE COUNTER DELIVERS MIN. 1 GPM FLOW RATE WITH LAMINAR FLOW. ANTI-MICROBIAL PLASTIC COMPONENTS.	YES	WALL SURFACE	SPOUT: 38" / 32"	1/2"	N/A	1-1/4"	2"	ELKAY: LZSTLGBWSSK / LKAPREZL OR APPROVED EQUAL	
WH	EXTERIOR WALL HYDRANT, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, WITH INTEGRAL BACKFLOW PREVENTER, ALL BRONZE INTERIOR PARTS, 3/4" INLET, 3/4" HOSE THREAD OUTLET, INLET ELBOW, WALL CLAMP, POLISHED BRONZE FACE AND OPERATING KEY.	N/A	EXPOSED	-	3/4"	N/A	N/A	N/A	ZURN: Z1310-PB-WC-34UN OR APPROVED EQUAL	
IMB	ICE MAKER HOOK-UP BOX, 20 GAUGE STEEL, WHITE POWDER-COATED, ALL WELDED WATER TIGHT CONSTRUCTION, COLD WATER SUPPLY VALVE WITH 1/2" COPPER SWEAT INLET AND 1/4" COMPRESSION OUTLET AND WATER HAMMER ARRESTER.	N/A	WALL RECESSED	-	1/2"	N/A	N/A	N/A	GUY GRAY: MIB1HAAB OR APPROVED EQUAL	

- NOTES:
- SUPPLY STOPS: CHROME-PLATED-BRASS, ONE-QUARTER TURN, BALL-TYPE OR COMPRESSION VALVE WITH INLET MATCHING SUPPLY PIPING.
 - FLEXIBLE CONNECTIONS: ASME A112.18.6 BRAIDED- OR CORRUGATED-STAINLESS STEEL, FLEXIBLE HOSE RISER.
 - SUPPORT CARRIERS: ASME A112.6.1M TYPE 1 (URINALS) OR TYPE 2 (CONCEALED ARM FOR LAVATORIES) WITH RECTANGULAR STEEL UPRIGHTS, COUPLING, SEAL, AND MOUNTING HARDWARE.
 - A.D.A. LAVATORIES & SINKS: PROTECT DRAIN AND SUPPLY LINES WITH "TRAP WRAP" OR APPROVED EQUAL.
 - EXTRA MAINTENANCE MATERIALS: FURNISH TWO (2) FLUSHMETER-VALVE REPAIR KITS FOR EACH TYPE OF FLUSHMETER VALVE INSTALLED.

DOMESTIC WATER BOOSTER PUMP See Alternate

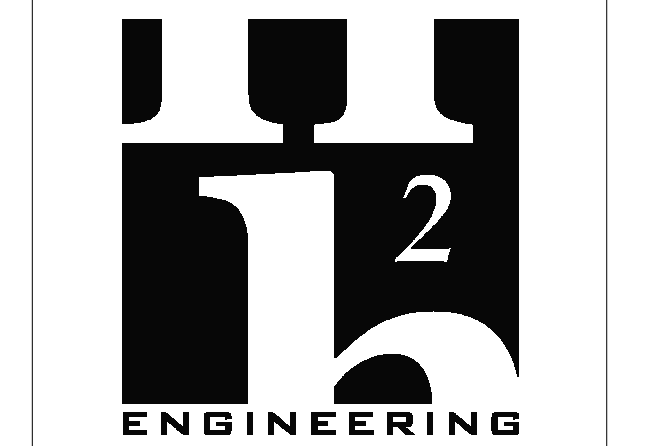
DESIGNATION		BP - 1	
CAPACITY	GPM	128	
MINIMUM SUCTION PRESSURE	PSIG	33	
DISCHARGE PRESSURE	PSIG	53	
MAXIMUM BOOSTER SYSTEM LOSS	PSI	5	
SURPLUS PRESSURE	PSI	5	
ELECTRICAL CHARACTERISTICS	V / PH	208 / 3	
MCA / MOCP	AMPS - AMPS	19 - 30	
MANUFACTURER	VC SYSTEMS		
MODEL	PMC		
PUMPS			
QUANTITY		2	
CAPACITY SPLIT	LEAD / LAG	65 / 65	
PUMP DIFFERENTIAL PRESSURE	FT	57	
EFFICIENCY	%	65	
SHUT-OFF PRESSURE	FT	62	
SPEED	RPM	3,500	
MOTOR HORSEPOWER	HP	2	
IMPELLER DIAMETER	IN.	5.0	
VFD		YES	
PUMP SEAL		CERAMIC	
MANUFACTURER	VC SYSTEMS		
MODEL	2VC-PMC-V-2-320-208		
HYDRO-PNEUMATIC TANK			
DESIGNATION		T-1	
VOLUME	GAL	79	
MANUFACTURER	WESSELS		
MODEL	FXA-300		
DETAIL REFERENCE	B / P503		



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
LICENSE # A-16000407 B-0000153

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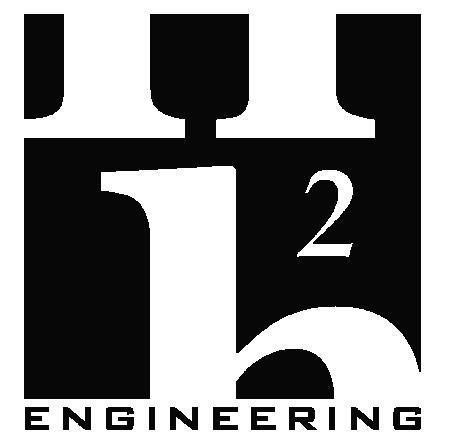
DATE	15 JANUARY 2025	DRAWN BY	JDR
PROJECT NO	68100	CHECKED BY	JLT

SHEET TITLE
SCHEDULES

SHEET NO	P401	REV NO	
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NOTE:
11" x 17" SHEETS ARE PLOTTED AT 1/2 THE SCALE NOTED ON THESE DRAWINGS.



H2 ENGINEERING
H2E PROJECT No. 17-17
114 EAST 5TH AVENUE TALLAHASSEE, FL 32303 PHONE 850.224.7922 www.h2engineering.com

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Jeffrey L. Tyler, P.E. #57093
Jeffrey Lee Tyler, State of Florida,
Professional Engineer, License No. 57093

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RECEIVED
ALLSTATE CONSTRUCTION
02-13-2025

REV	DATE	DESCRIPTION
1	2/11/2025	ADDENDUM #1

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SCHEDULES

SHEET NO	REV NO
P403	

ROOF DRAINAGE SCHEDULE

ZONE NO.	COMBINED FLOW FROM ZONE(S)	HORIZONTAL AREA (SF)	VERTICAL WALL AREA (SF)	TOTAL ROOF AREA (SF)	DRAIN CAPACITY (GPM)	PRIMARY DRAIN			SECONDARY DRAIN		
						VERTICAL DRAIN (INCH)	HORIZONTAL DRAIN (INCH)	SLOPE (INCH / FT)	VERTICAL DRAIN (INCH)	HORIZONTAL DRAIN (INCH)	SLOPE (INCH / FT)
1		4,125	160	4,205	218	5	6	1/8	5	6	1/8
2		4,125	104	4,177	216	5	6	1/8	5	6	1/8
3		4,125	250	4,250	220	5	6	1/8	5	6	1/8
4		4,125	135	4,193	217	5	6	1/8	5	6	1/8
5		1,810	287	1,954	101	4	4	1/8	4	4	1/8
6		1,600	210	1,705	88	4	4	1/8	4	4	1/8
7		3,695	405	3,898	202	5	6	1/8	5	6	1/8
8		2,525	1,406	3,228	167	4	6	1/16	4	6	1/16
9		2,610	745	2,983	154	4	6	1/16	4	6	1/16
10		620	1,126	1,183	61	3	4	1/16	3	4	1/16
11		275	125	338	17	2	3	1/16	2	3	1/16

- NOTES:
1 RAIN FALL RATE = 5.0 INCH / HR
2 TOTAL ROOF AREA INCLUDES HORIZONTAL AREA AND 50% OF VERTICAL WALL AREA.
3 ZONES MARKED WITH ASTERISK (*) HAVE COMBINED FLOWS FROM HIGH ROOF.

FIXTURE UNIT CALCULATIONS

FIXTURE TYPE	QUANTITY	WASTE		SUPPLY					
		UNIT	TOTAL	COLD		HOT		TOTAL	
				UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL
DRINKING FOUNTAIN	3	0.5	1.5	0.25	0.75			0.25	0.75
LAVATORY (COLD WATER)	18	1	18	2	36			2	36
LAVATORY (HOT WATER)	1	1	1	1.5	1.5	1.5	1.5	2	2
SINK	14	2	28	2	28	2	28	3	42
MOP SERVICE BASIN	2	2	4	2.25	4.5	2.25	4.5	3	6
URINAL (3/4" VALVE)	6	4	24	5	30			5	30
WATER CLOSET (FLUSH VALVE)	20	6	120	10	200			10	200
HOSE BIBB / WALL HYDRANT	8			4	32			4	32
FLOOR DRAIN	23	2	46						
REFRIGERATOR / ICE MAKER	1			1	1			1	1
SHOWER (PER HEAD)	1	2	2	2	2	2	2	2	2
PREP SINK	1	4	4	2.5	2.5	2.5	2.5	3	3
WASHING MACHINE (15 LB)	1	15	15	10	10	10	10	15	15
TOTAL FIXTURE UNITS			263.5		348.25		48.5		369.75
DOMESTIC WATER DEMAND (GPM)					117.2		11.9		121.3

ELECTRIC STORAGE WATER HEATERS

DESIGNATION		WH-1.2	WH-3
STORAGE	GAL	40	20
HEATING ELEMENT INPUT (EACH)	KW	4.5	3.0
NUMBER OF ELEMENTS	#	2	1
SIMULTANEOUS OPERATION OF ELEMENTS		YES	NO
TOTAL HEATING INPUT	KW	9.0	3.0
ENTERING WATER TEMPERATURE	*F	60	60
LEAVING WATER TEMPERATURE	*F	140	140
TEMPERATURE RISE	*F	80	80
RECOVERY RATE	GPH	46	15
ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	208 / 1
MANUFACTURER		A.O. SMITH	A.O. SMITH
MODEL NUMBER		DEN-40	DEL-20
DETAIL REFERENCE		B/P502	A/P502

NOTES:
1 PROVIDE LOW WATER CUT-OFF.

CIRCULATOR PUMPS

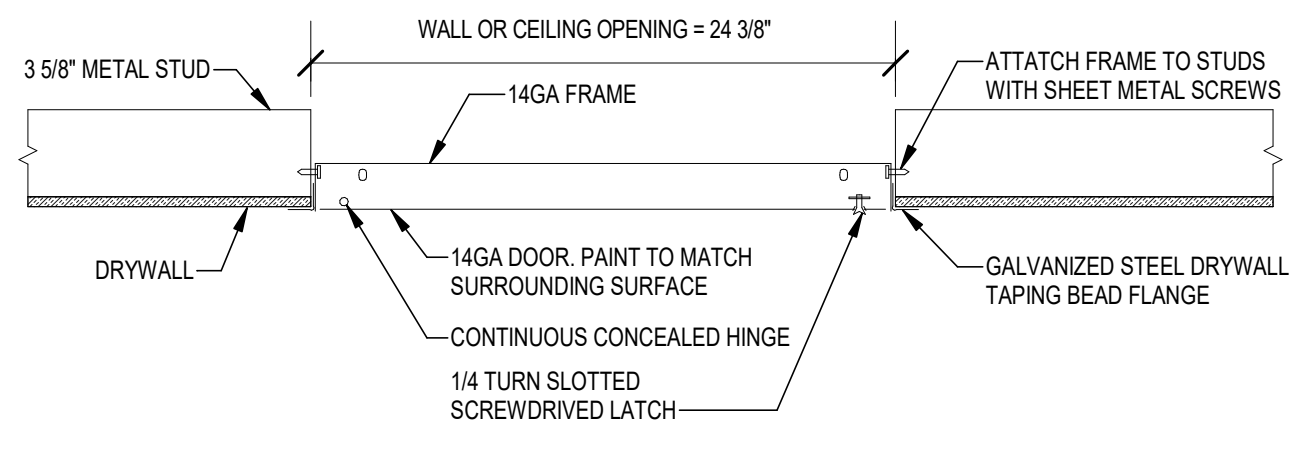
DESIGNATION		CP-1.2
SERVICE		DHW
CAPACITY	GPM	4
TOTAL DYNAMIC HEAD	FT.	27
SHUT-OFF HEAD	FT.	35
PUMP SEAL		MECHANICAL
MOTOR SPEED	RPM	3,250
MOTOR HORSEPOWER	HP	1/8
MOTOR WINDING		FULL
ELECTRICAL CHARACTERISTICS	V / PH	120 / 1
NOTES		1
MANUFACTURER		TACO
MODEL NUMBER		009-SFS
DETAIL REFERENCE		H/P501

NOTES:
1 PROVIDE TACO 00 TIMER/AQUASTAT WITH 7 DAY DIGITAL PROGRAMMABLE TIMER. SET TIMER FOR ALLOWABLE OPERATION DURING OCCUPIED HOURS AND AQUASTAT TO CYCLE PUMP.
2 PLUMBING CONTRACTOR TO COORDINATE INSTALLATION OF TIMER AND AQUASTAT WITH ELECTRICAL CONTRACTOR AND INSTALL PER MANUFACTURER INSTRUCTIONS.

SUMP PUMP SCHEDULE

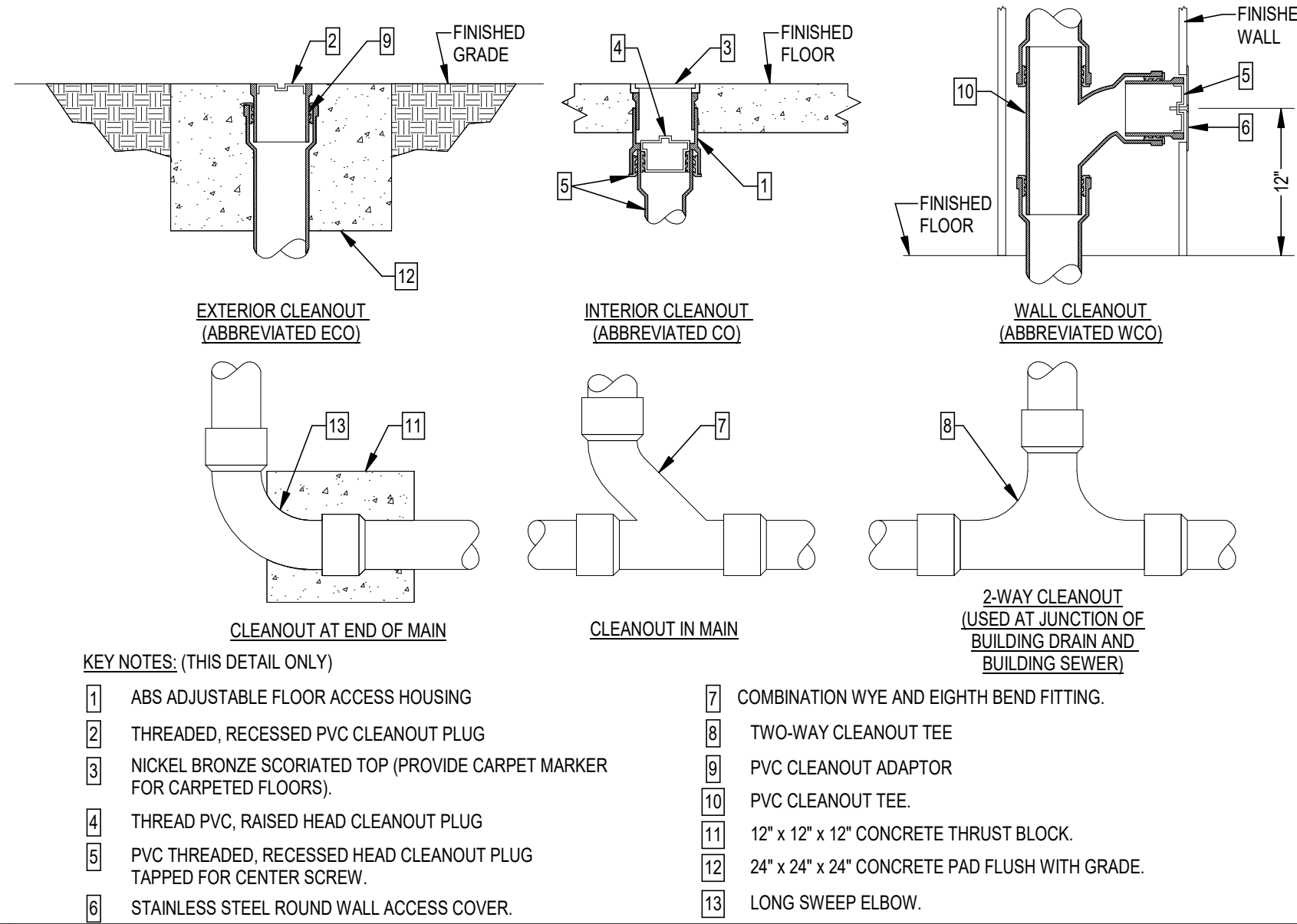
DESIGNATION		SP - 1
CAPACITY	GPM	50
TOTAL HEAD	FT.	15
MOTOR HORSEPOWER	HP	1/2
ELECTRICAL CHARACTERISTICS	V / PH	120 / 1
MANUFACTURER		LITTLE GIANT
MODEL		10ECH-CIA-RF
DETAIL REFERENCE		CP-502

NOTE: PROVIDE OIL SENSING SUMP SYSTEM, LITTLE GIANT OAS SERIES



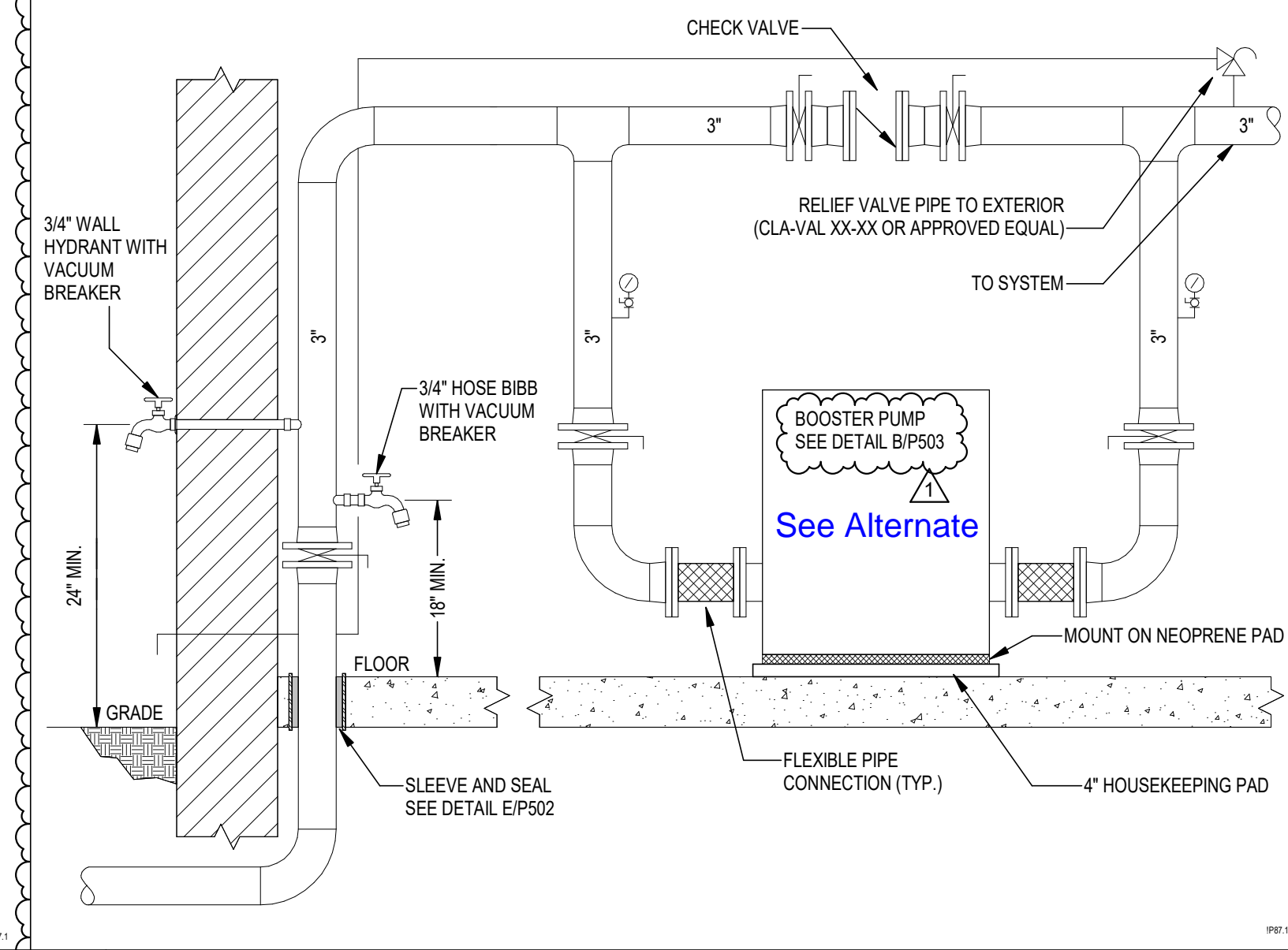
NOTES:

- ACCESS DOOR SHALL BE NOMINAL 24"x24" UNLESS NOTED OTHERWISE.
- LOCATE DOOR IN CEILING OR WALL TO ALLOW UNOBSTRUCTED ACCESS TO EQUIPMENT, DAMPERS, ETC. AND NOT IN CONFLICT WITH LIGHTS, DIFFUSERS, SPRINKLERS, ETC.
- ACCESS PANELS LOCATED IN SECURE CEILINGS SHALL BE SECURITY TYPE.

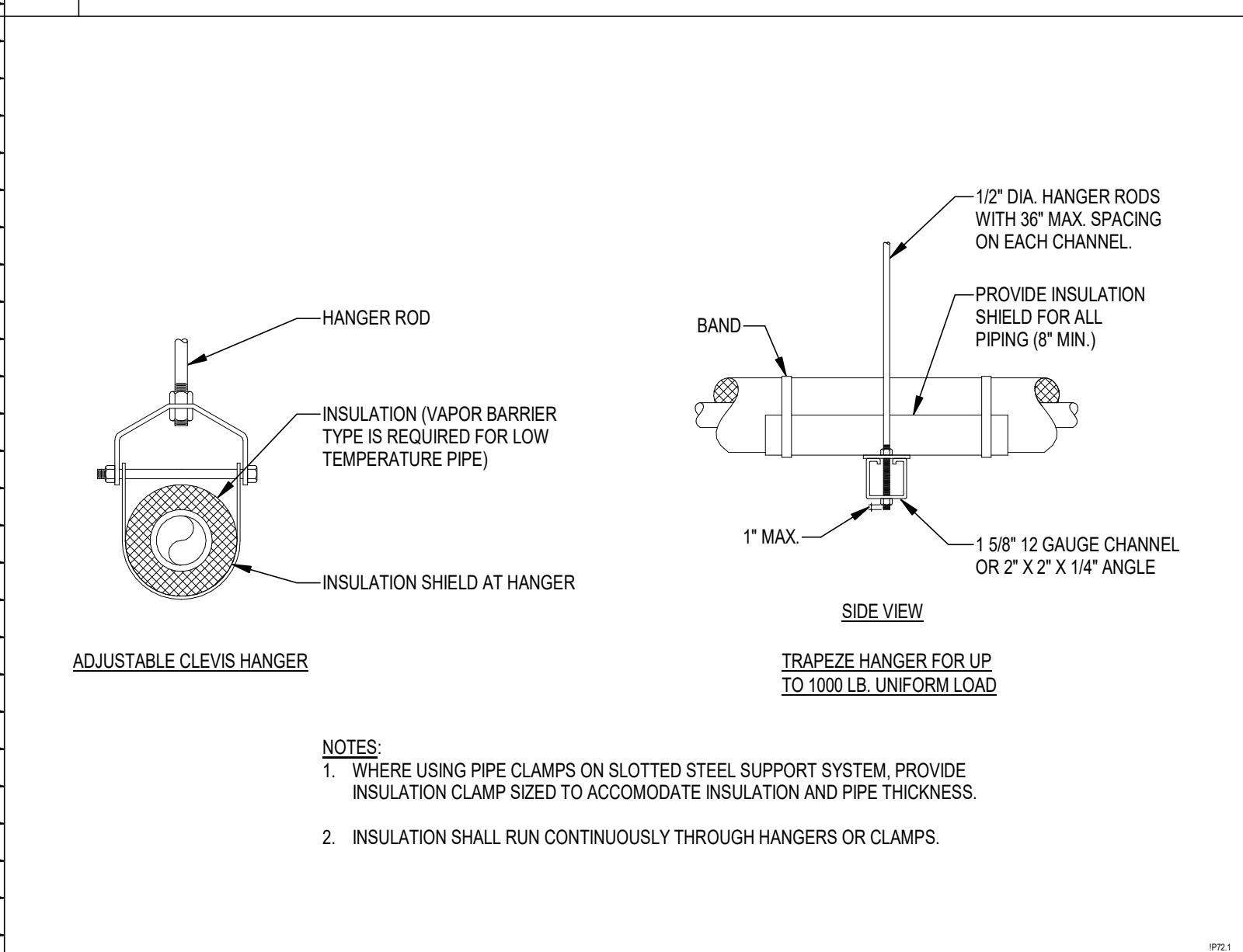


KEY NOTES: (THIS DETAIL ONLY)

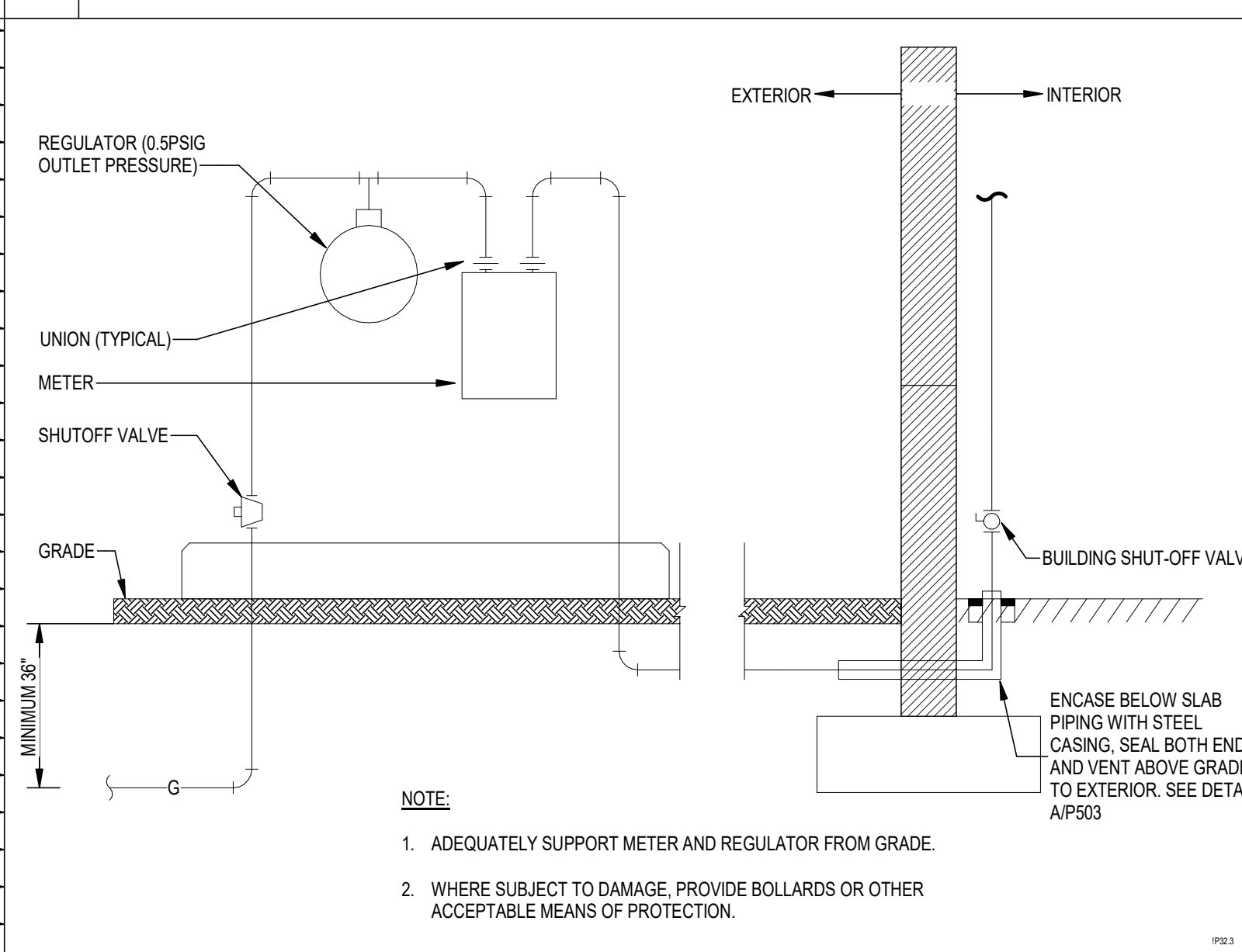
- | | |
|--|---|
| 1 ABS ADJUSTABLE FLOOR ACCESS HOUSING | 7 COMBINATION WYE AND EIGHTH BEND FITTING. |
| 2 THREADED, RECESSED PVC CLEANOUT PLUG | 8 TWO-WAY CLEANOUT TEE |
| 3 NICKEL BRONZE SCORIATED TOP (PROVIDE CARPET MARKER FOR CARPETED FLOORS). | 9 PVC CLEANOUT ADAPTOR |
| 4 THREAD PVC, RAISED HEAD CLEANOUT PLUG | 10 PVC CLEANOUT TEE. |
| 5 PVC THREADED, RECESSED HEAD CLEANOUT PLUG TAPPED FOR CENTER SCREW. | 11 12" x 12" x 12" CONCRETE THRUST BLOCK. |
| 6 STAINLESS STEEL ROUND WALL ACCESS COVER. | 12 24" x 24" x 24" CONCRETE PAD FLUSH WITH GRADE. |
| | 13 LONG SWEEP ELBOW. |



A SERVICE ENTRANCE



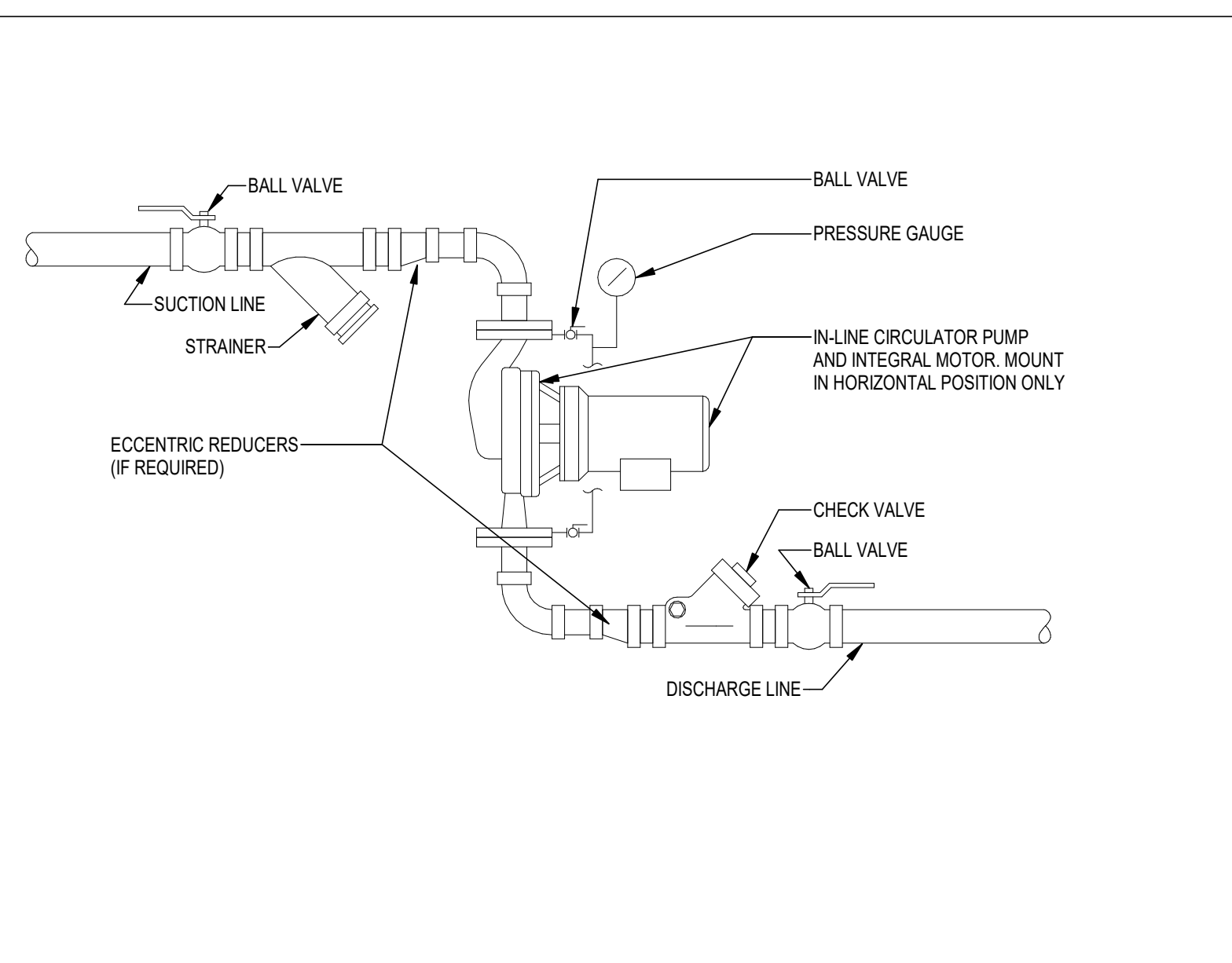
B TYPICAL PIPE HANGERS



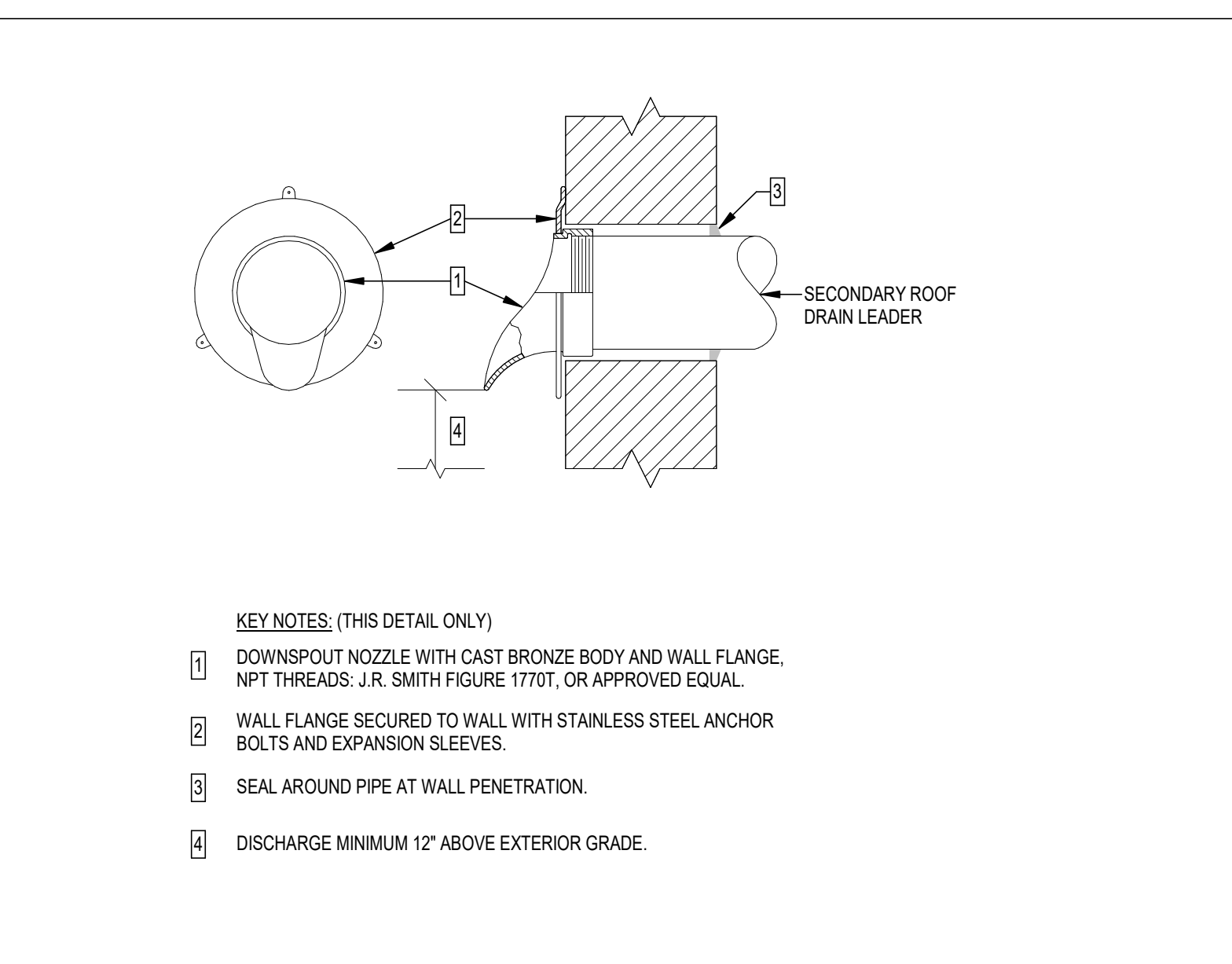
C GAS SERVICE ENTRANCE

- NOTE:**
- ADEQUATELY SUPPORT METER AND REGULATOR FROM GRADE.
 - WHERE SUBJECT TO DAMAGE, PROVIDE BOLLARDS OR OTHER ACCEPTABLE MEANS OF PROTECTION.

G EQUIPMENT ACCESS PANEL



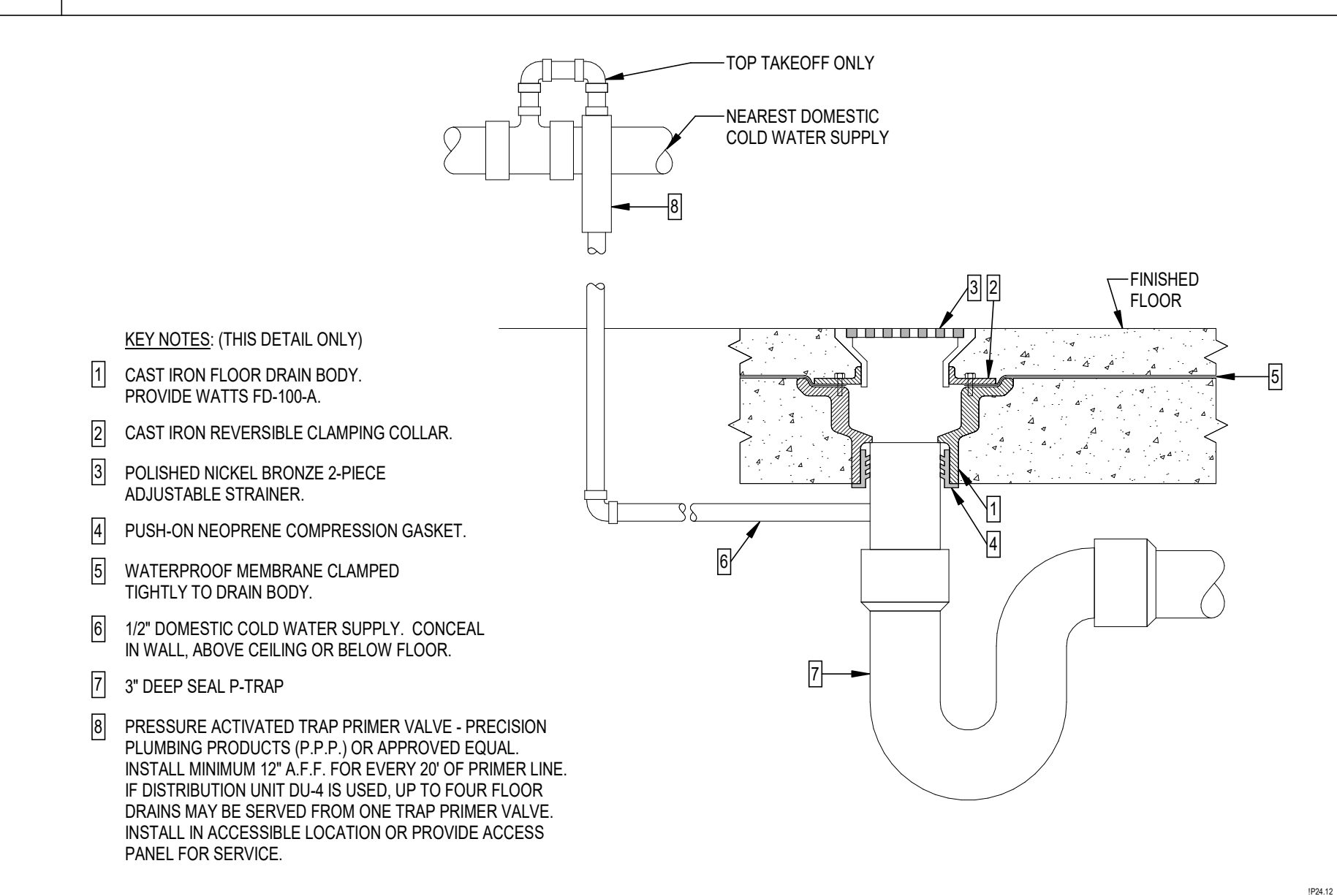
H IN-LINE CIRCULATOR PUMP



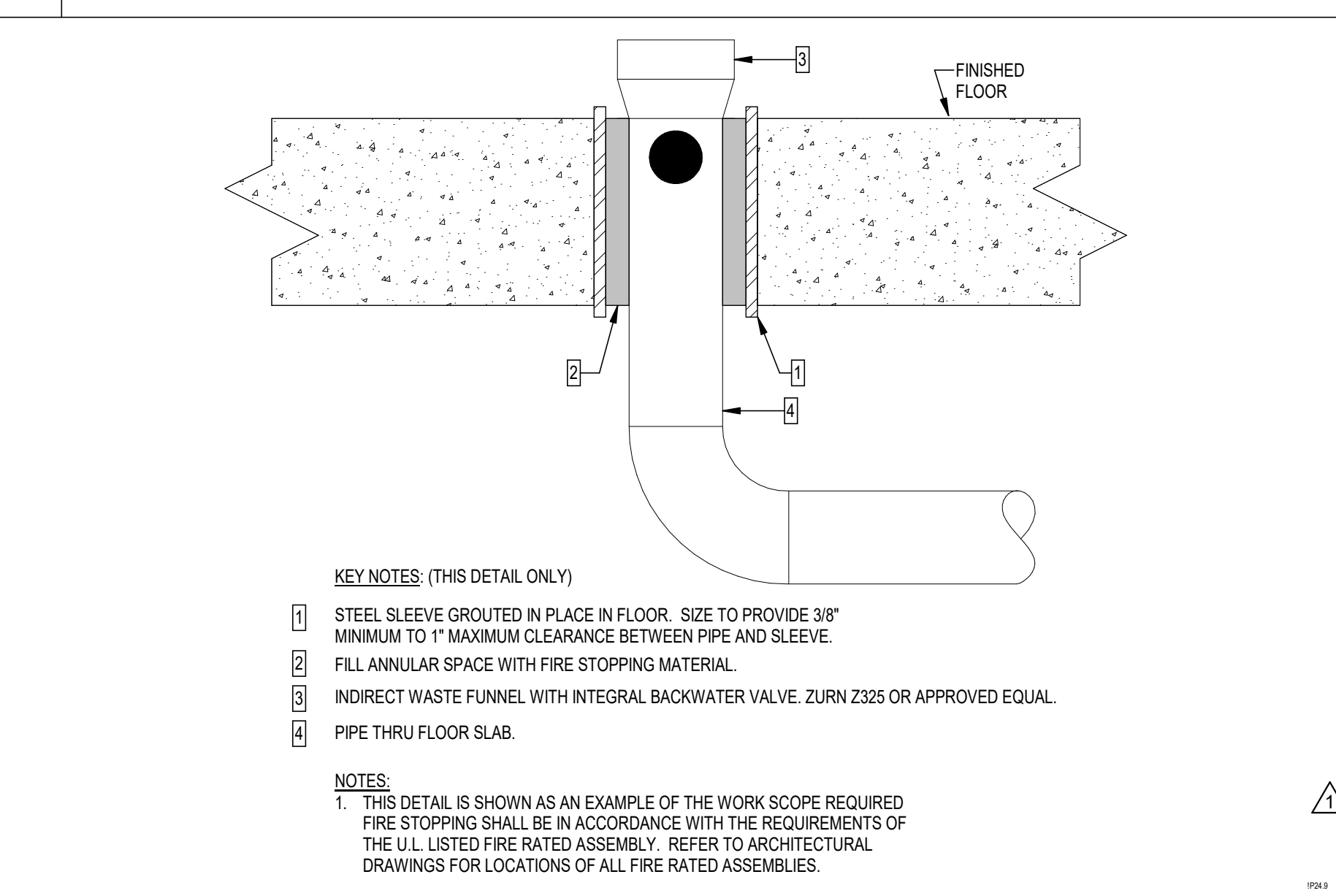
J DOWNSPOUT NOZZLE

- KEY NOTES: (THIS DETAIL ONLY)**
- DOWNSPOUT NOZZLE WITH CAST BRONZE BODY AND WALL FLANGE, NPT THREADS: J.R. SMITH FIGURE 1770T, OR APPROVED EQUAL.
 - WALL FLANGE SECURED TO WALL WITH STAINLESS STEEL ANCHOR BOLTS AND EXPANSION SLEEVES.
 - SEAL AROUND PIPE AT WALL PENETRATION.
 - DISCHARGE MINIMUM 12" ABOVE EXTERIOR GRADE.

D CLEANOUTS



E FLOOR DRAIN



F HUB DRAIN WITH INTEGRAL BACKWATER VALVE

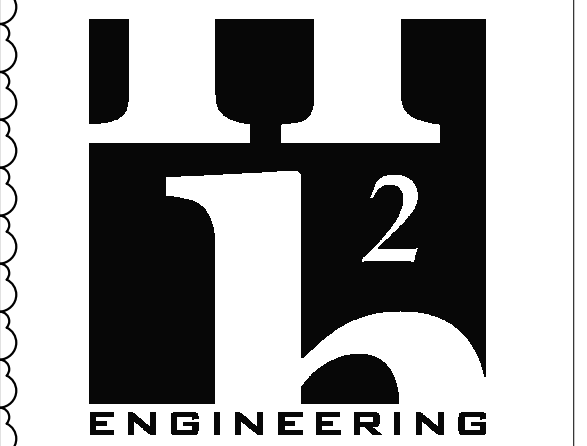
- KEY NOTES: (THIS DETAIL ONLY)**
- STEEL SLEEVE GROUTED IN PLACE IN FLOOR. SIZE TO PROVIDE 3/8" MINIMUM TO 1" MAXIMUM CLEARANCE BETWEEN PIPE AND SLEEVE.
 - FILL ANNULAR SPACE WITH FIRE STOPPING MATERIAL.
 - INDIRECT WASTE FUNNEL WITH INTEGRAL BACKWATER VALVE. ZURN Z325 OR APPROVED EQUAL.
 - PIPE THRU FLOOR SLAB.
- NOTES:**
- THIS DETAIL IS SHOWN AS AN EXAMPLE OF THE WORK SCOPE REQUIRED FIRE STOPPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE U.L. LISTED FIRE RATED ASSEMBLY. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL FIRE RATED ASSEMBLIES.



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222-7442
www.emiarch.com
LICENSE # 44-000049-01 0000153

NOTE:
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HGE PROJECT No. 17-17
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32303 PHONE 850.224.7922
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Jeffrey Lee Tyler, State of Florida,
Professional Engineer, License No. 57093

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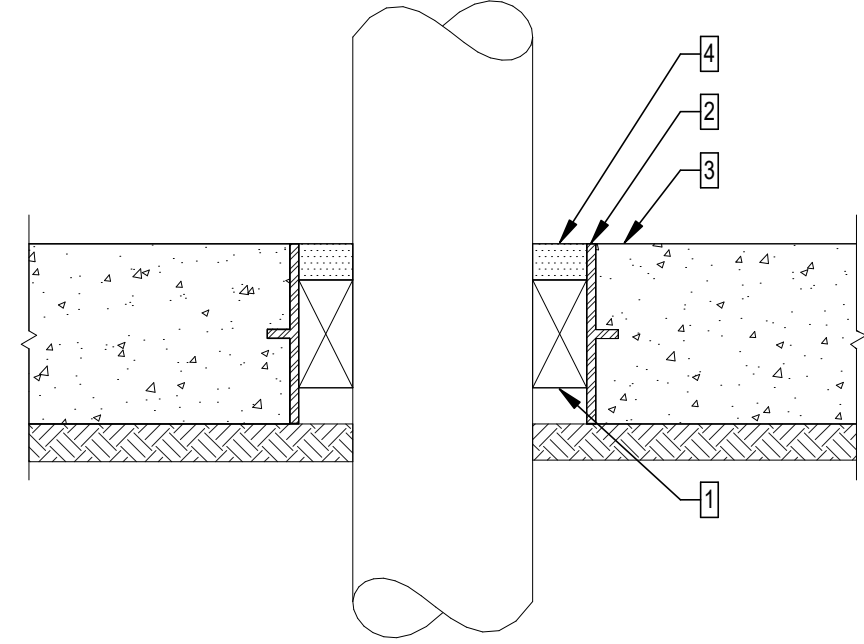
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1	2/11/2025	ADDENDUM #1

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15 JANUARY 2025	JDR
PROJECT NO	CHECKED BY
08100	JLT
SHEET TITLE	
DETAILS	

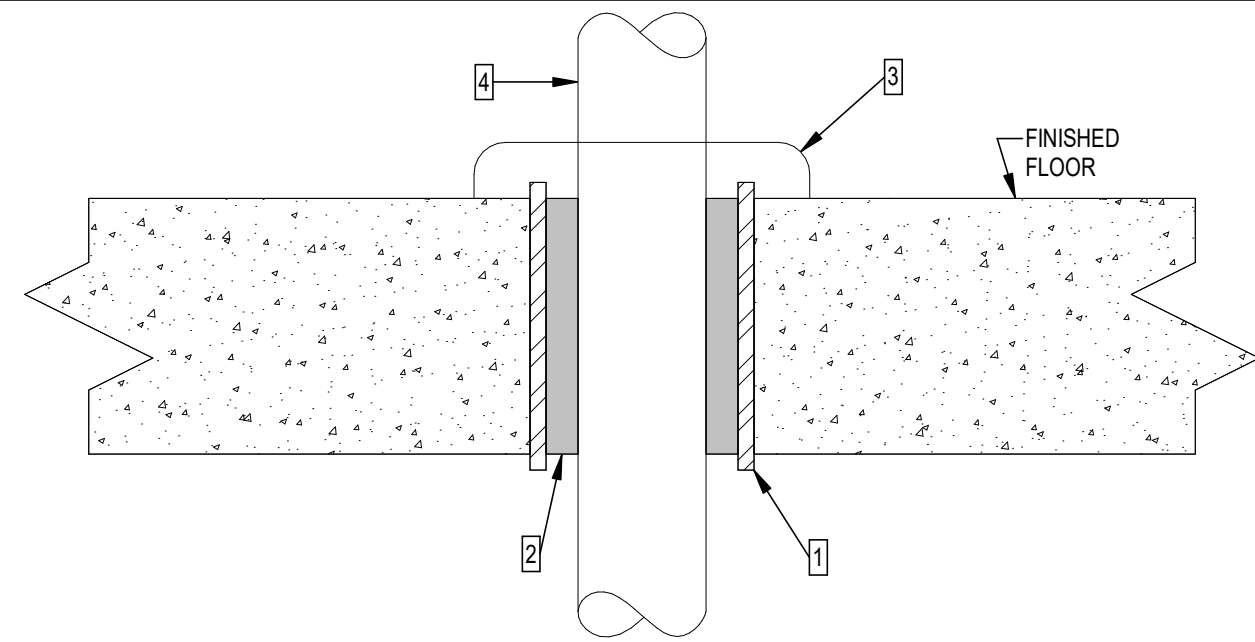
SHEET NO **P501** REV NO

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- KEY NOTES: (THIS DETAIL ONLY)**
- 1 SEAL ANNULAR SPACE AROUND PIPE WITH MODULAR SLEEVE SEAL SYSTEM. MODEL SHALL BE SUITABLE FOR THIS APPLICATION.
 - 2 SLEEVE OR CORE DRILL APPROPRIATE SIZE HOLE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - 3 FLOOR SLAB ON GRADE.
 - 4 COMPLETELY FILL SPACE WITH SEALANT SUITABLE FOR THIS APPLICATION.

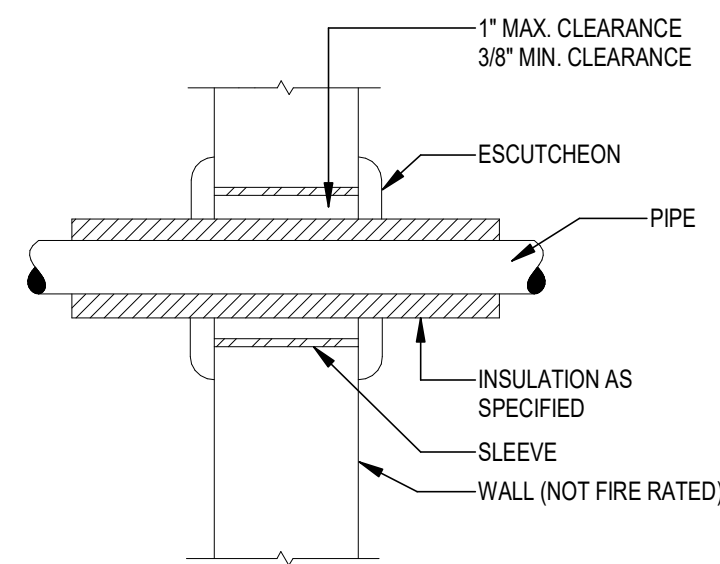
E SLAB ON GRADE PIPE PENETRATION



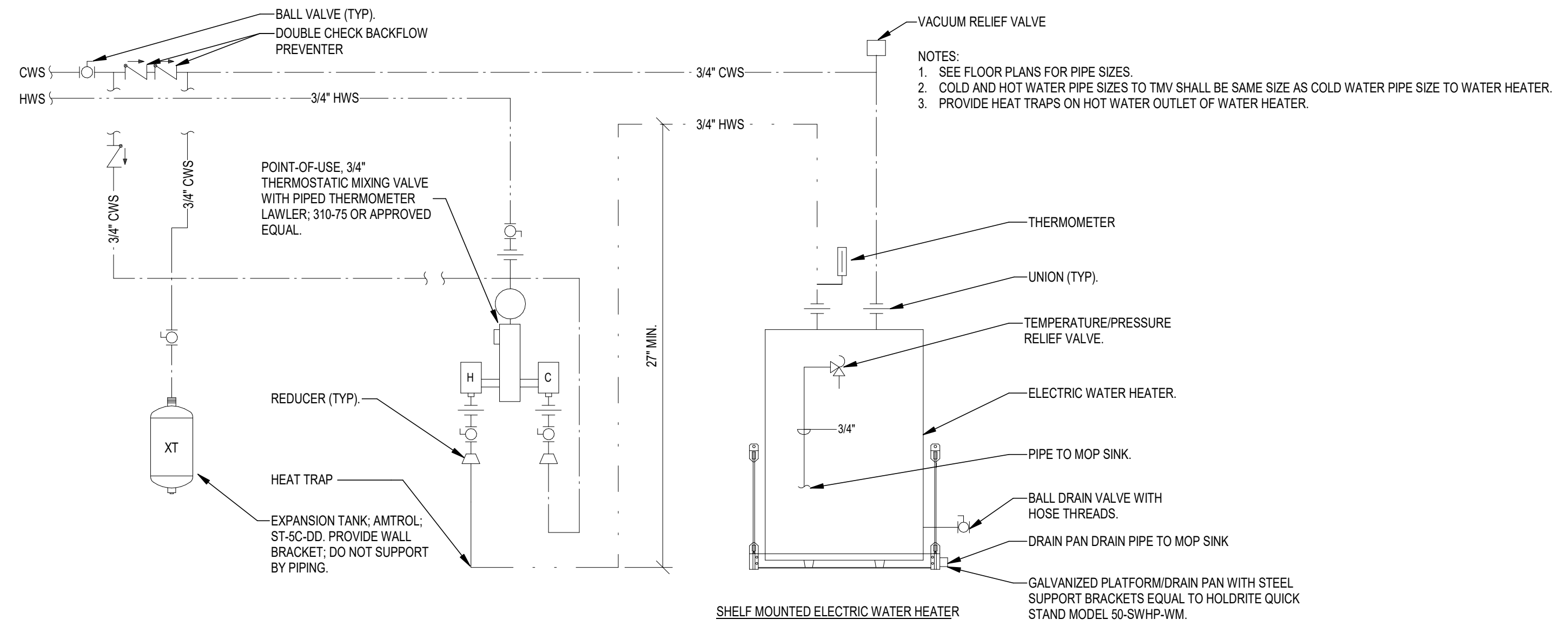
- KEY NOTES: (THIS DETAIL ONLY)**
- 1 STEEL SLEEVE GROUTED IN PLACE IN FLOOR. SIZE TO PROVIDE 3/8" MINIMUM TO 1" MAXIMUM CLEARANCE BETWEEN PIPE AND SLEEVE (OR BETWEEN PIPE INSULATION AND SLEEVE).
 - 2 FILL ANNULAR SPACE WITH FIRE STOPPING MATERIAL.
 - 3 TWO-PIECE ESCUTCHEON (OMIT IF PENETRATION IS IN A CONCEALED SPACE).
 - 4 PIPE THRU FLOOR SLAB.

NOTE:
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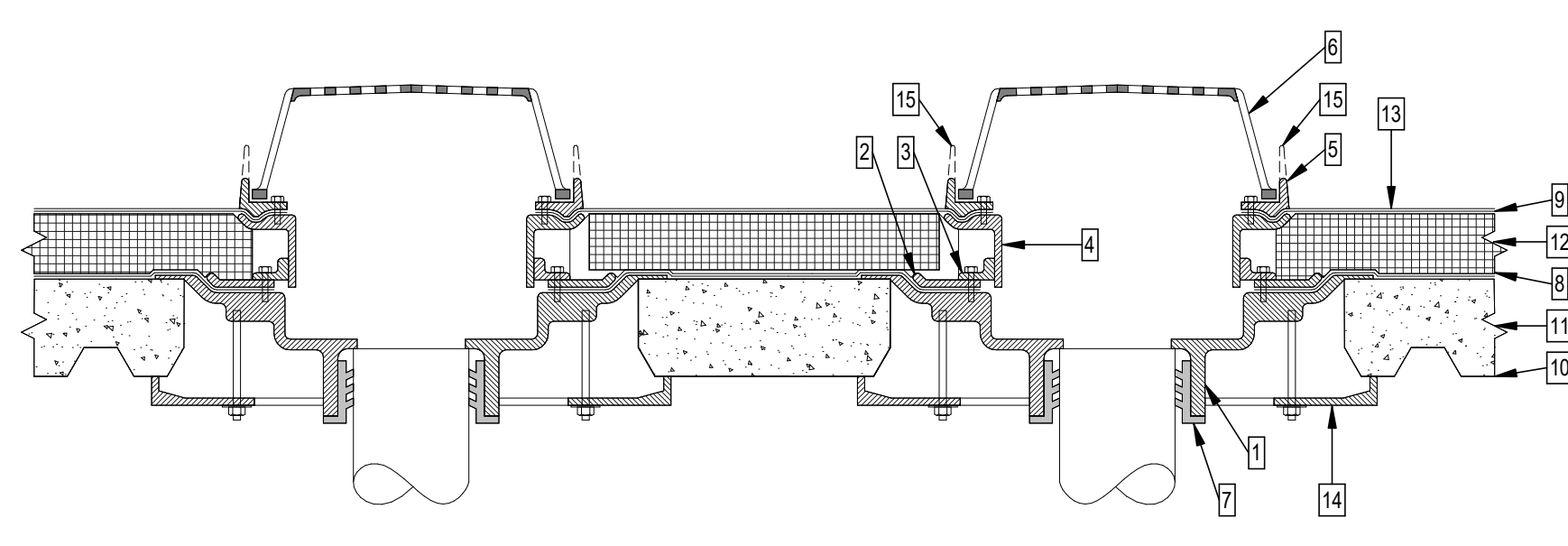
F ABOVE-GRADE SLAB PIPE PENETRATION



G PIPE PENETRATION OF NON-FIRE RATED WALL

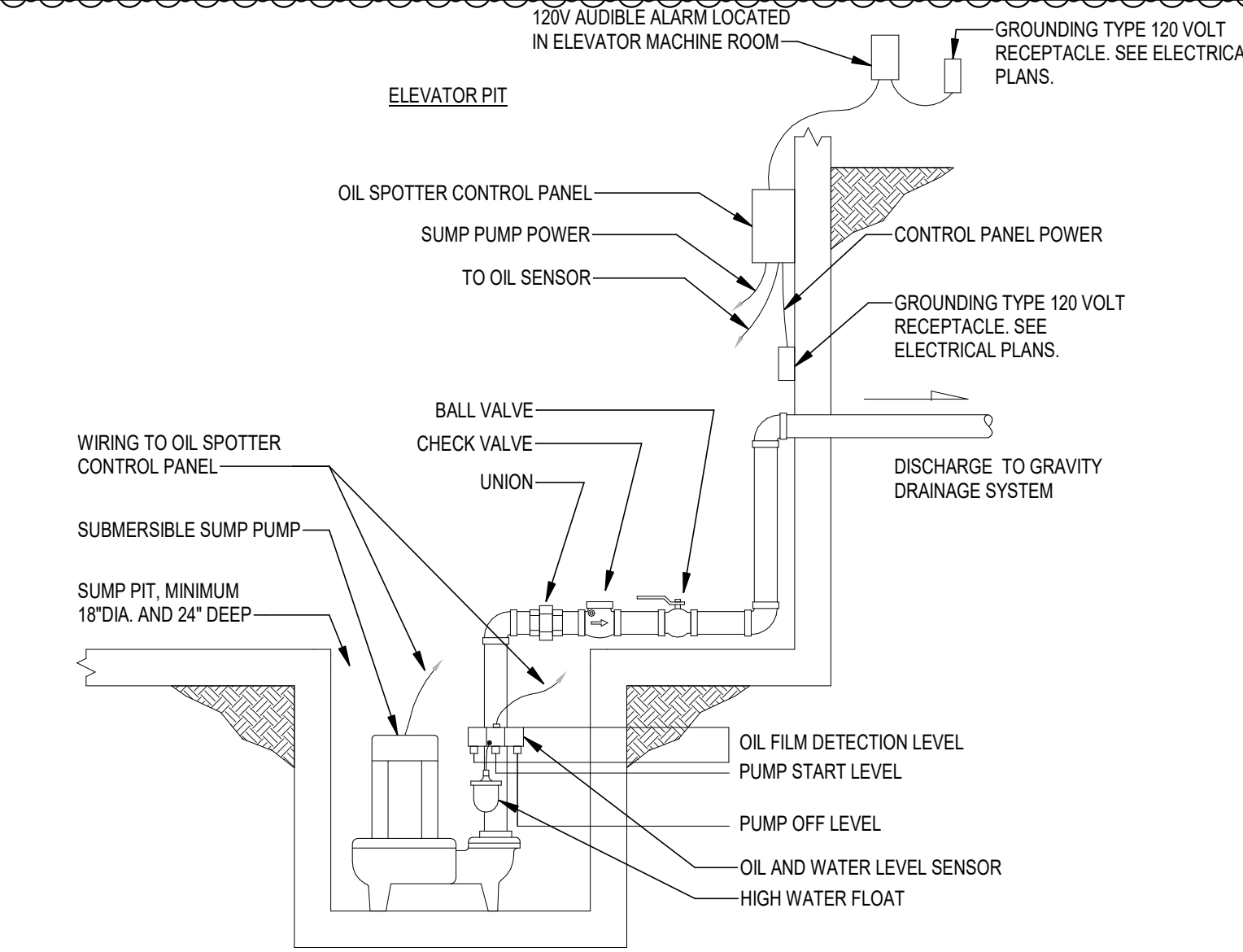


A SHELF MOUNTED ELECTRIC WATER HEATER

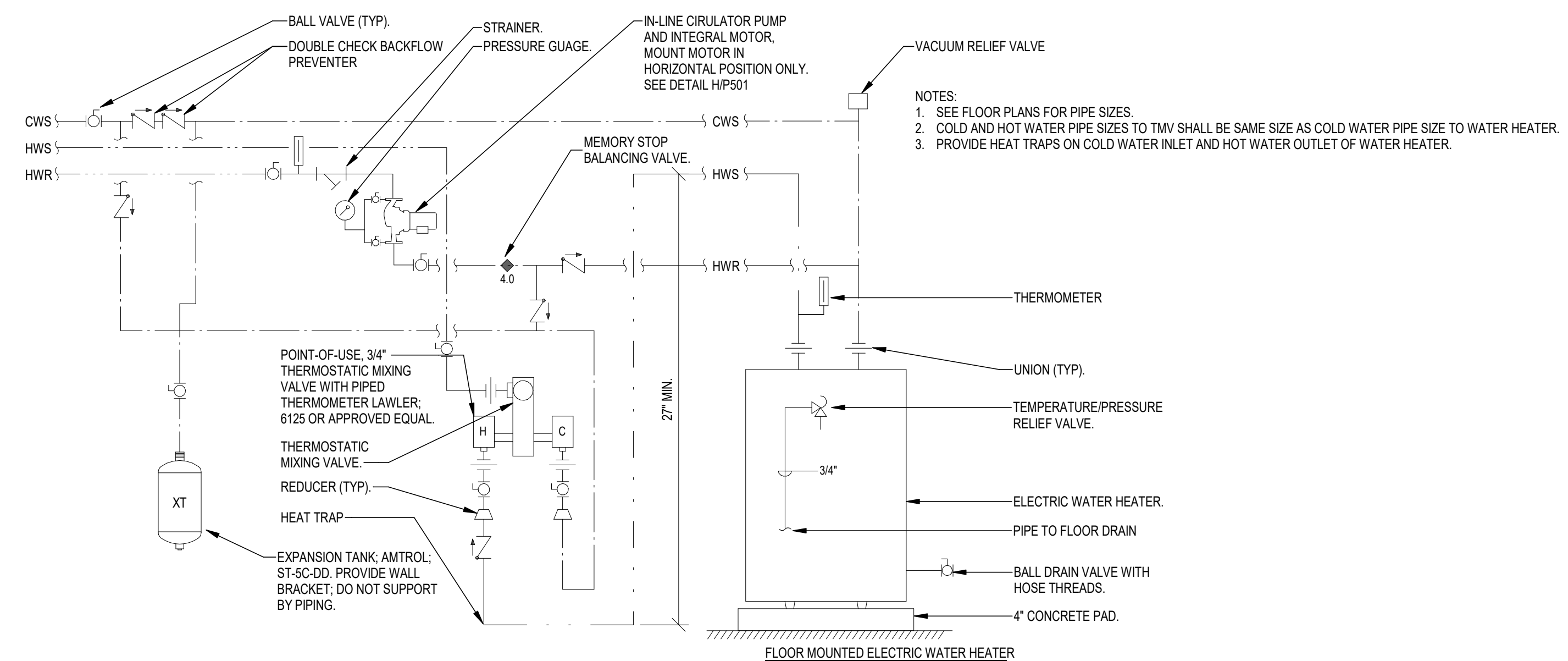


- KEY NOTES: (THIS DETAIL ONLY)**
- 1 CAST IRON ROOF DRAIN BODY WITH HUB OUTLET.
 - 2 SECONDARY CLAMP RING WITH SEEPAGE OPENINGS.
 - 3 INVERTIBLE SUPPORT RING.
 - 4 ADJUSTABLE COLLAR.
 - 5 CLAMP RING WITH GRAVEL STOP.
 - 6 LOCKING DOME STRAINER.
 - 7 PUSH-ON NEOPRENE COMPRESSION GASKET.
 - 8 WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
 - 9 FLASHING CLAMPED TIGHTLY TO ADJUSTABLE COLLAR.
 - 10 STEEL ROOF PAN.
 - 11 CONCRETE ROOF DECK.
 - 12 INSULATION.
 - 13 2 PLY MOD. BITUMEN ROOFING.
 - 14 DECK CLAMP.
 - 15 2" EXTERNAL WATER DAM (FOR USE WITH SECONDARY OVERFLOW ROOF DRAINS ONLY).

D TYPICAL COMBINATION ROOF DRAIN DETAIL

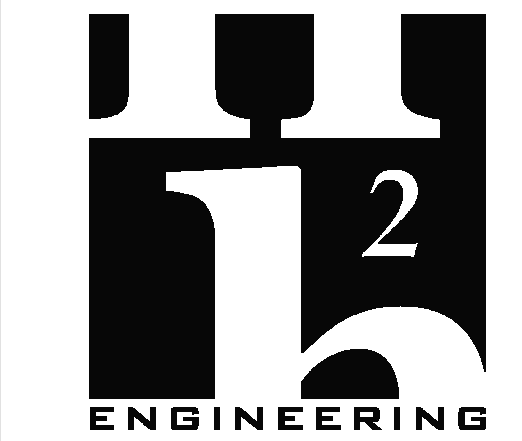


C ELEVATOR SUMP PUMP WITH OIL SPOTTER



B FLOOR MOUNTED ELECTRIC WATER HEATER

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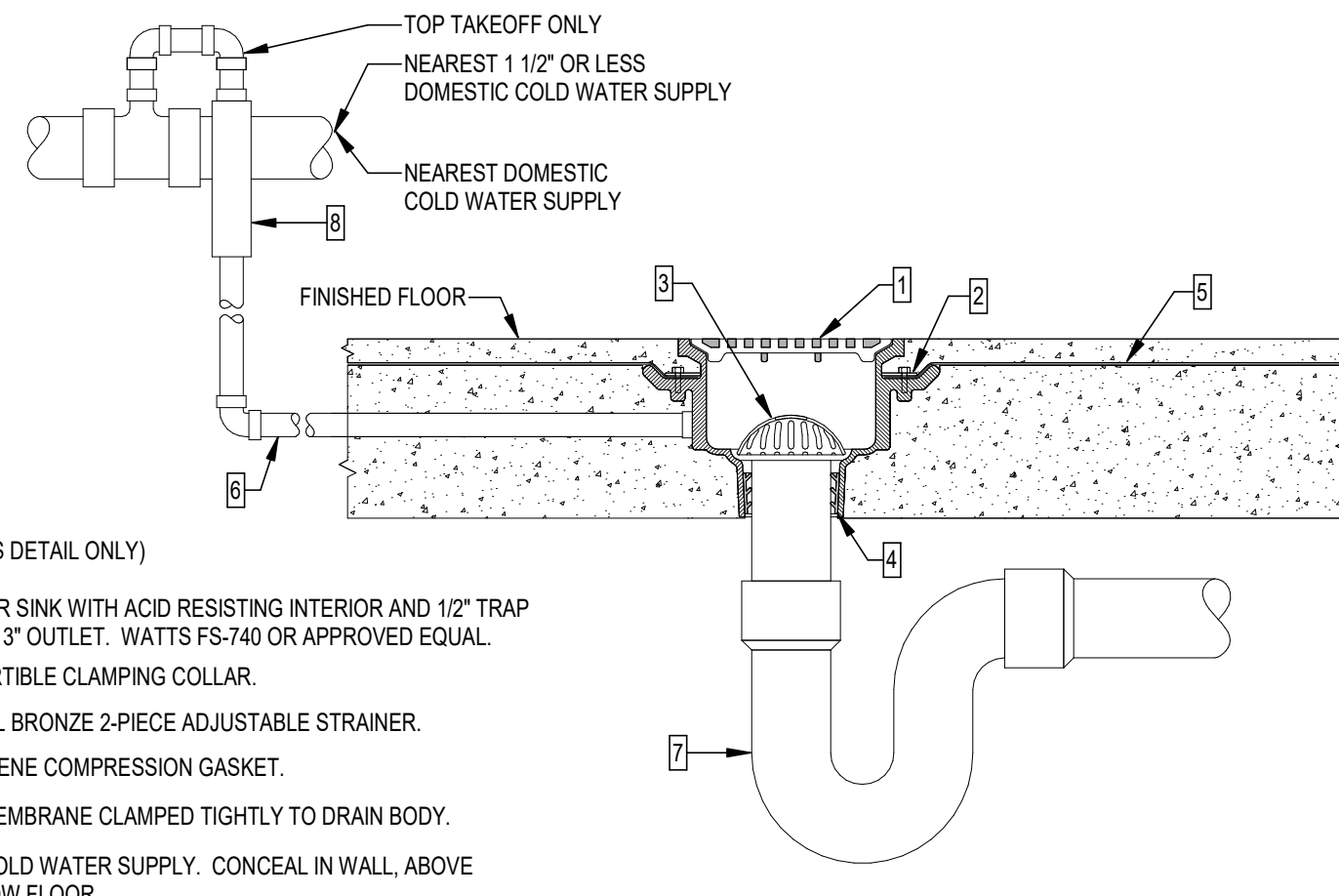
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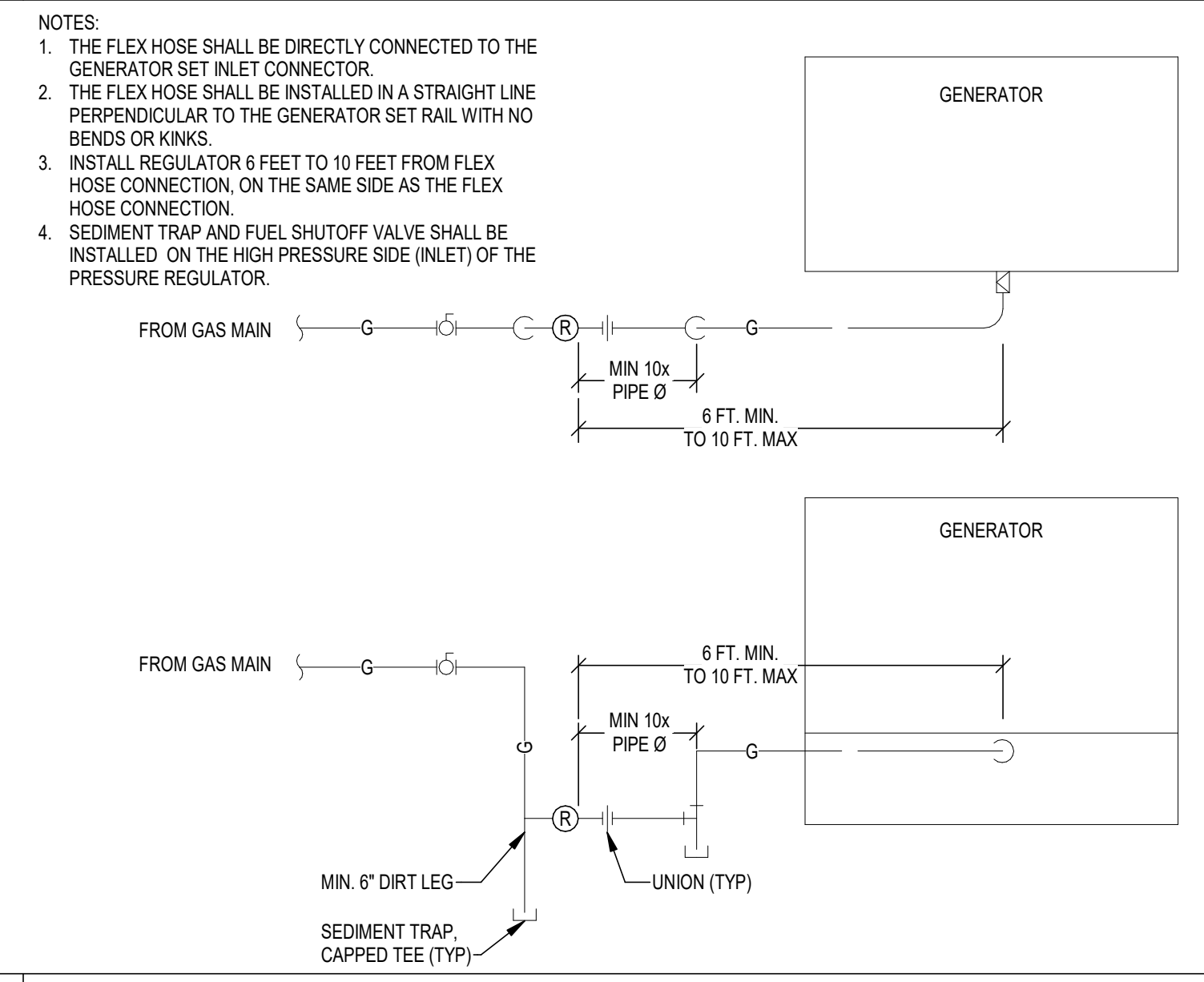
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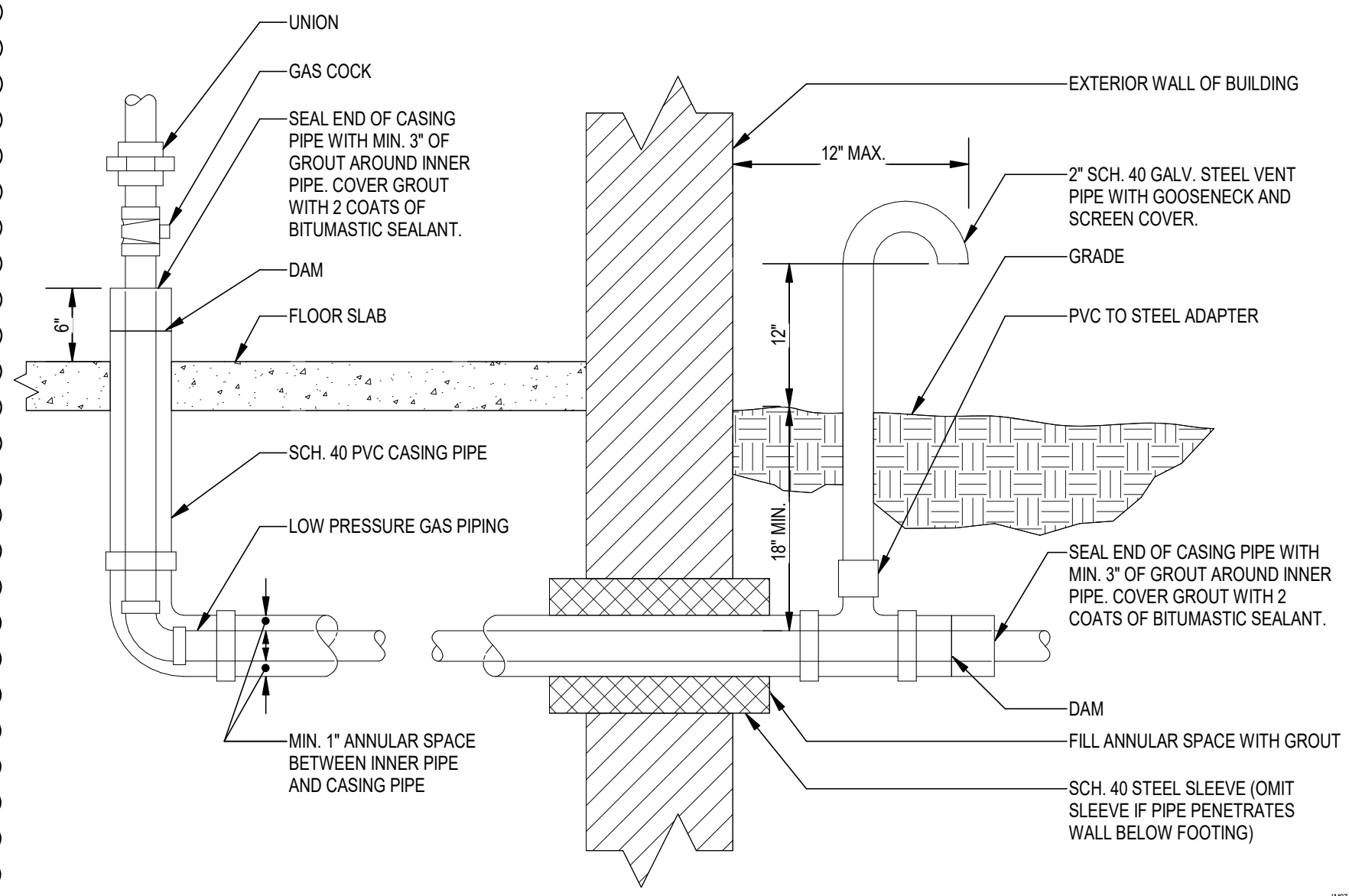


- KEY NOTES: (THIS DETAIL ONLY)**
- 1 CAST IRON FLOOR SINK WITH ACID RESISTING INTERIOR AND 1/2" TRAP PRIMER TAP AND 3" OUTLET. WATTS FS-740 OR APPROVED EQUAL.
 - 2 CAST IRON INVERTIBLE CLAMPING COLLAR.
 - 3 POLISHED NICKEL BRONZE 2-PIECE ADJUSTABLE STRAINER.
 - 4 PUSH-ON NEOPRENE COMPRESSION GASKET.
 - 5 WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
 - 6 1/2" DOMESTIC COLD WATER SUPPLY. CONCEAL IN WALL, ABOVE CEILING OR BELOW FLOOR.
 - 7 3" DEEP SEAL P-TRAP.
 - 8 PRESSURE ACTIVATED TRAP PRIMER VALVE - PRECISION PLUMBING PRODUCTS (P.P.P.) OR APPROVED EQUAL. INSTALL MINIMUM 12" A.F.F. FOR EVERY 20' OF PRIMER LINE. IF DISTRIBUTION UNIT DU-4 IS USED, UP TO FOUR FLOOR DRAINS MAY BE SERVED FROM ONE TRAP PRIMER VALVE. INSTALL IN ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL FOR SERVICE.

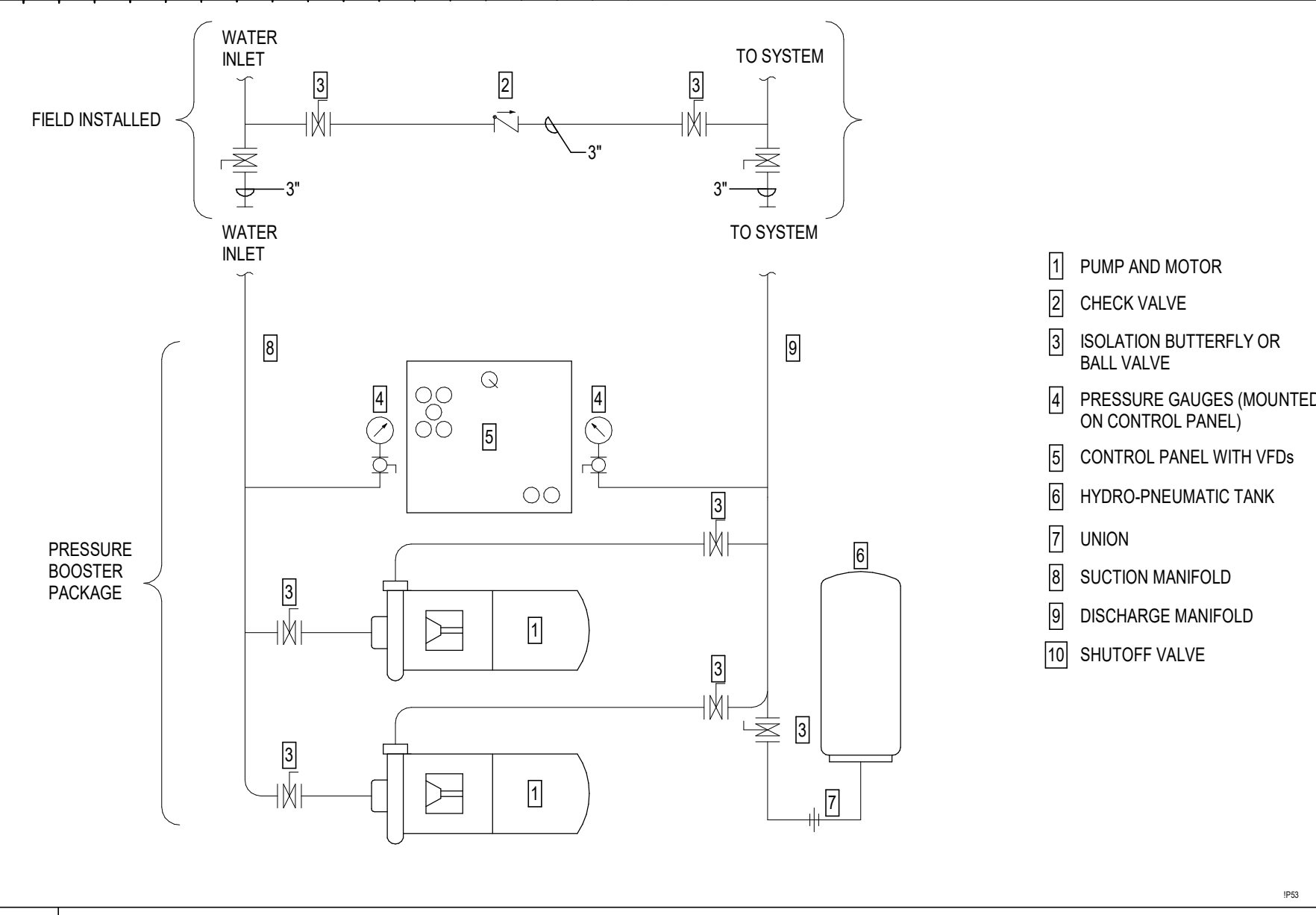
D FLOOR SINK



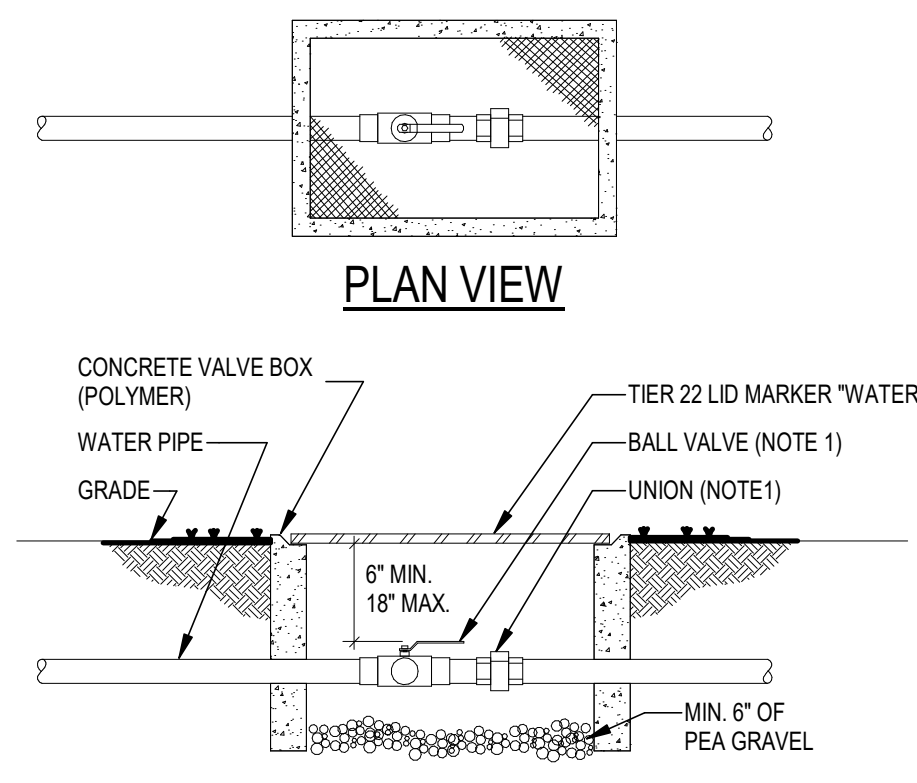
E GAS APPLIANCE CONNECTION



A GAS PIPING BELOW FLOOR



B PRESSURE BOOSTER PIPING



- NOTES:**
1. FOR 2 1/2" AND LARGER PIPES, USE A FLANGED BUTTERFLY VALVE INSTEAD OF BALL VALVE AND UNION AS ILLUSTRATED.

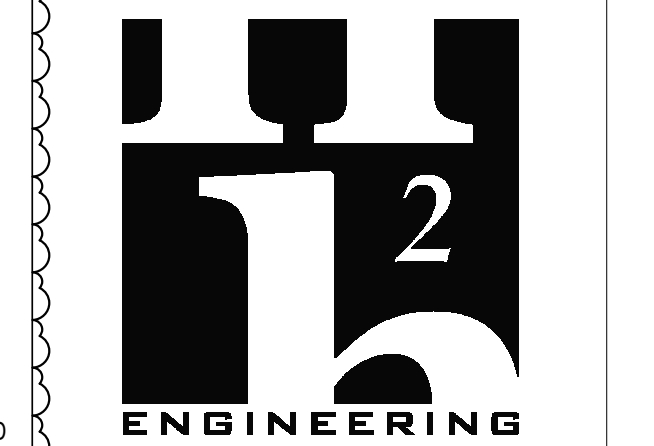
C VALVE AND BOX



ARCHITECTURE
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GRAPHICS

ELLIOTT MARSHALL PINES PA. (EMI architects)
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