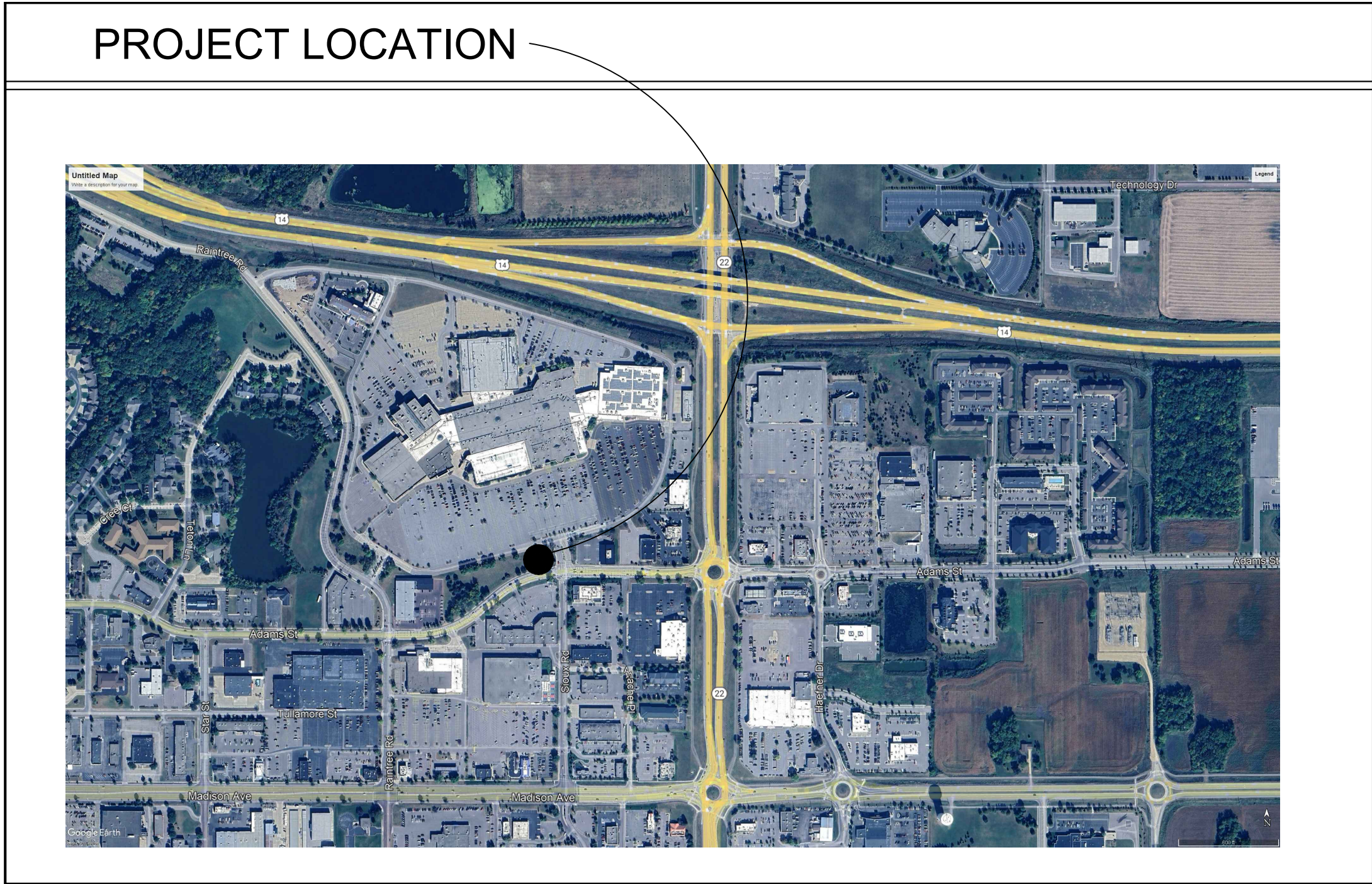
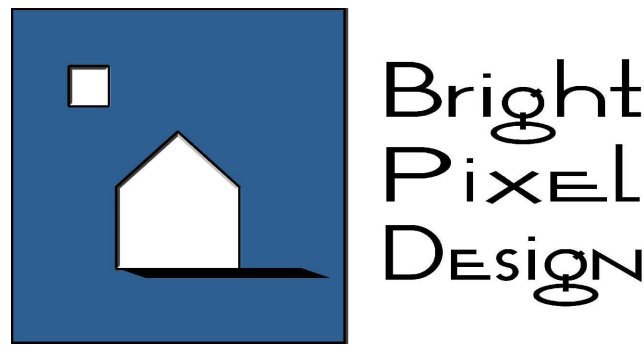




RHM BUILDING - 1

MANKATO, MN 56001



PROJECT TITLE:
RIVER HILLS MALL
BUILDING ONE
MANKATO, MN 56001



Richard D. Storber



Project Information

Energy Code: 90.1 (2019) Standard
Project Title: RHM Building One
Location: Mankato, Minnesota
Climate Zone: 6A
Project Type: New Construction
Vertical Glazing / Wall Area: 0.147
Performance Sim. Specs: EnergyPlus 24.1.0 (EPW:)

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof:Roof, Exterior Envelope, [Bldg. Use 1 - Retail]	4512	0.00	31.25	0.030	0.021
Floor:Floor, Horizontal with vertical 4 ft., Exterior Envelope, [Bldg. Use 1 - Retail] (c)	285	---	12.40	0.635	0.510
NORTH					
Ext Wall: Ext Wall - North, Exterior Envelope, [Bldg. Use 1 - Retail]	950	21.00	3.00	0.051	0.051
Window: Window (no shade), Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	59	---	---	0.250	0.340
Window: Window (below canopy), Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, PF 0.37, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	54	---	---	0.250	0.340
EAST					
Ext Wall: Ext Wall - East, Exterior Envelope, [Bldg. Use 1 - Retail]	1725	21.00	3.60	0.049	0.051
Window: Windows (corners), Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, PF 0.04, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	223	---	---	0.250	0.340
SOUTH					
Ext Wall: Ext Wall - South, Exterior Envelope, [Bldg. Use 1 - Retail]	950	21.00	3.00	0.051	0.051
Window: Window (below canopy), Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, PF 0.37, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	54	---	---	0.250	0.340
Window:Window (no shade), Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	59	---	---	0.250	0.340
WEST					
Ext Wall: Ext Wall - West, Exterior Envelope, [Bldg. Use 1 - Retail]	1725	21.00	3.60	0.049	0.051
Window: Windows (entrances), Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, PF 0.37, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	274	---	---	0.250	0.340
Door: Door, Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, PF 0.39, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	21	---	---	0.290	0.630
Door:Door 1, Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, PF 0.39, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	21	---	---	0.290	0.630
1 - Retail] (b)					
Door: Door, Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, PF 0.39, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	21	---	---	0.290	0.630
Door:Door 1, Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, PF 0.39, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	21	---	---	0.290	0.630
1 - Retail] (b)					
Door:Door 2, Perf. Specs.: Product ID Tubelite T14000, SHGC 0.30, PF 0.37, VT 0.90, Exterior Envelope, [Bldg. Use 1 - Retail] (b)	21	---	---	0.290	0.630

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 0.0% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Matt Borowy - Designer
Signature: *Matt Borowy*
Date: 9/23/2025

GENERAL CONSTRUCTION NOTES

THE CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE PROJECT AND VERIFY ALL CONDITIONS AND DIMENSIONS. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS AND ANY CODE, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY FOR CORRECTIONS.

THE CONTRACTOR SHALL VERIFY ALL EXACT ELEVATIONS, INVERTS, AND LOCATIONS OF UTILITIES.

ALL CONTRACTORS SHALL USE CAUTION TO LIMIT DAMAGE TO ANY EXISTING PLANTINGS, PROPERTY AND ADJOINING SURFACES.

THE DESIGN & CONSTRUCTION OF ACCESSIBLE BUILDING ELEMENTS WILL BE IN ACCORDANCE WITH THESE PLANS, MINNESOTA STATE BUILDING CODE CHAPTER 1341, INTERNATIONAL BUILDING CODE (I.B.C.) AND THE COUNCIL OF AMERICAN BUILDING OFFICIALS (CABO) AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A117.1-1992.

ALL NEW MATERIALS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.

WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTACT ARCHITECT FOR ADDITIONAL DIMENSIONS IF REQUIRED INSTEAD OF SCALING.

TRASH REMOVAL DURING CONSTRUCTION SHALL BE BY GENERAL CONTRACTOR AT GENERAL CONTRACTOR'S EXPENSE.

GENERAL CONTRACTOR TO OBTAIN ALL BUILDING PERMITS

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AND MAINTAIN AN ALL WEATHER SURFACE ROADWAY FOR EMERGENCY VEHICLE PASSAGE FROM THE CITY STREET TO THE FRONT DOOR OF THE STRUCTURE.

SOME WALLS, WHETHER NOTED OR NOT, MAY NEED WIDER FRAMING TO ACCOMMODATE PLUMBING, CONDUIT, OR DUCTWORK. VERIFY AND COORDINATE WITH MECHANICAL OR ELECTRICAL CONTRACTOR.

ALL OUTSIDE CORNERS OF GYPSUM BOARD PARTITIONS SHALL HAVE A METAL CORNER BEAD.

TERMINATE ALL GYPSUM BOARD ABUTTING DISSIMILAR MATERIALS AND EDGES EXPOSED TO VIEW WITH NON-EXPOSED METAL CASING BEAD AND ISOLATED BY ROD/STOCK AND SEALANT FULL LENGTH UNLESS NOTED OTHERWISE.

ALL DIMENSIONS AND LOCATIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH RESPECTIVE TRADES.

CONTRACTOR SHALL VERIFY WITH THE RESPECTIVE TRADES FOR THE FOLLOWING:

A. CUTTING AND PATCHING TO MATCH WORK REQUIRED FOR MECHANICAL AND/OR ELECTRICAL CONSTRUCTION.
B. SIZE AND LOCATION OF PENETRATIONS FOR MECHANICAL AND/OR ELECTRICAL SERVICES OR EQUIPMENT.
C. SIZES AND LOCATIONS OF CONCRETE PADS FOR MECHANICAL AND/OR ELECTRICAL EQUIPMENT.
D. LOCATION FOR WOOD BLOCKING AS REQUIRED FOR MOUNTING MECHANICAL AND/OR ELECTRICAL EQUIPMENT.

CHANGES IN FLOOR MATERIALS OR FINISH SHALL OCCUR UNDER THE CENTER LINE OF THE DOOR OR AS NOTED.

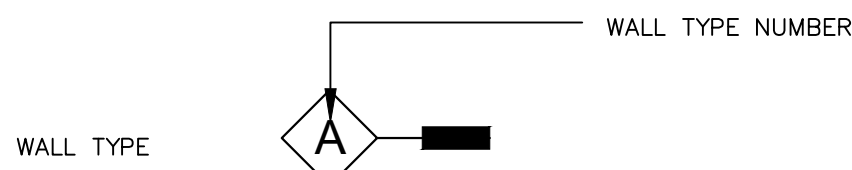
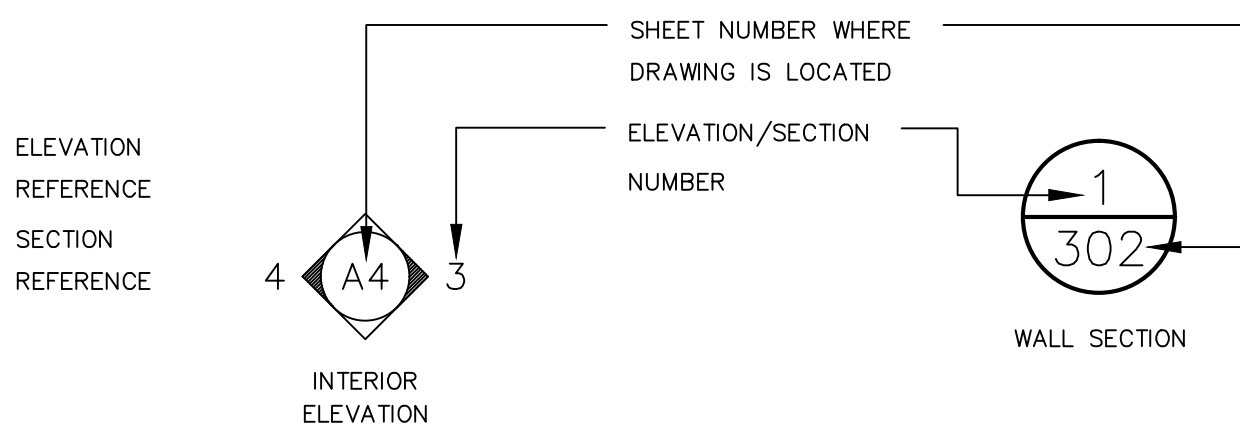
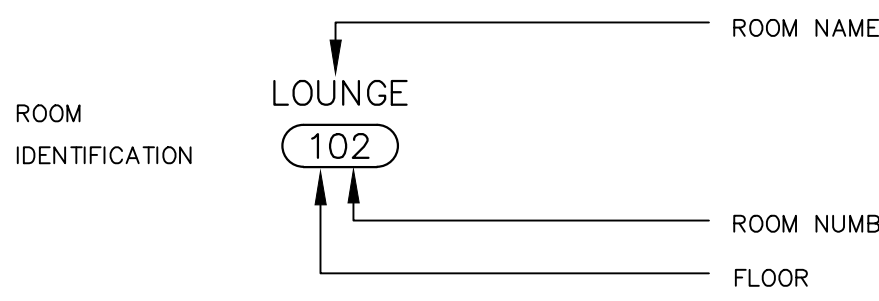
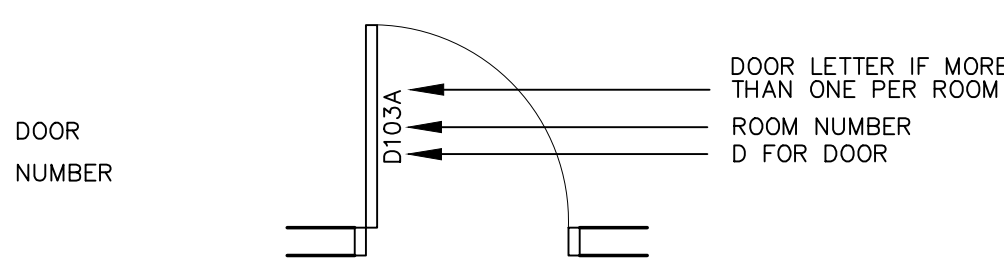
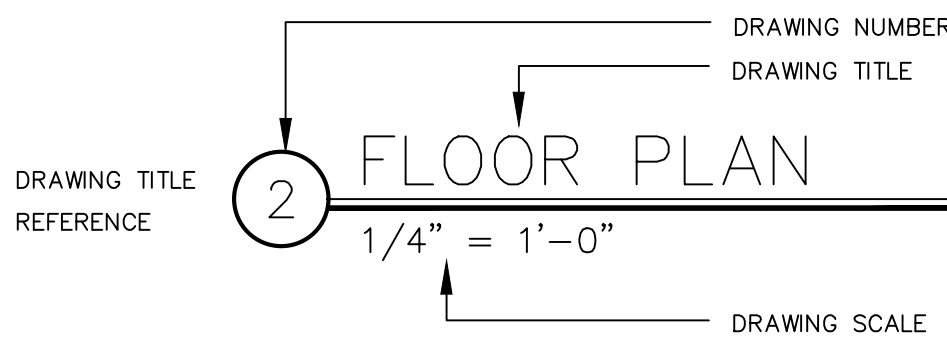
ALL FINISHES TO BE COORDINATED WITH OWNER PRIOR TO PURCHASING AND INSTALLING.

ENSURE ALL SEALANTS AND CAULKS ARE COMPATIBLE WITH ALL MATERIALS THEY COME IN CONTACT WITH.

GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL DEBRIS LEFT AFTER CONSTRUCTION AND CLEAN THE SPACE FOR TURNOVER TO THE OWNER.

ALL FIRE STOPPING, CUTTING AND PATCHING WILL BE COMPLETED NY THE RESPECTED SUB-CONTRACTORS.

ARCHITECTURAL SYMBOLS



SHEET INDEX

T1.1 TITLE SHEET & CODE REVIEW
A1.1 FLOOR PLAN & ROOF PLAN
A2.1 BUILDING SECTION AND DETAILS
A2.2 BUILDING SECTION AND DETAILS
A3.1 EXTERIOR ELEVATIONS
A4.1 DOOR AND FRAME TYPES
A5.1 MONUMENT SIGN AND TRASH ENCLOSURE DETAILS

CIVIL DESIGN BY BOLTON & MENK
STRUCTURAL DESIGN BY IMEG ENGINEERING

No.	SUBMISSIONS & REVISIONS	Date

TITLE SHEET

JOB. NO.: 25.22.1
DATE: 4-17-2026
DRAWN BY: MJB

T1.1

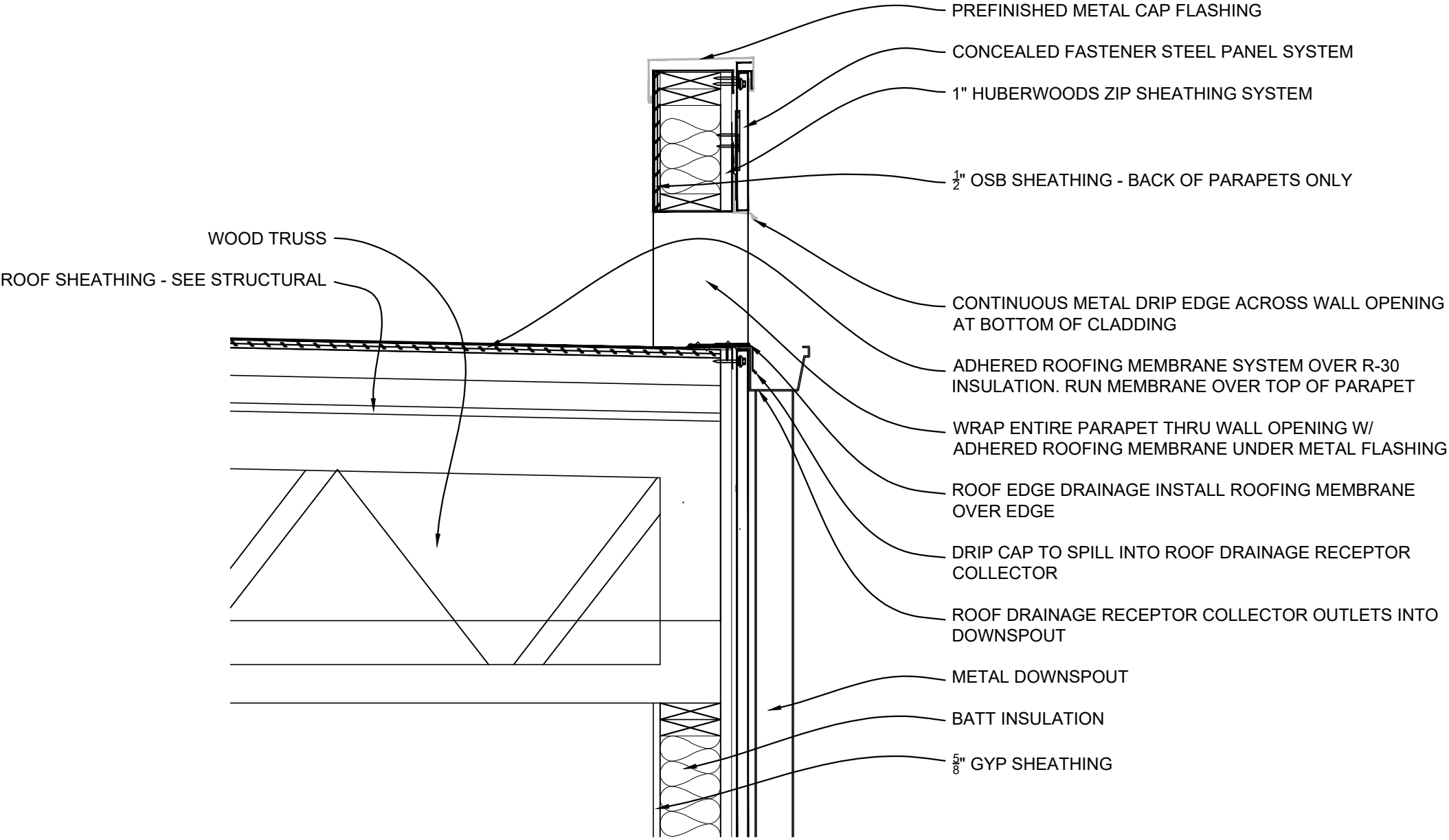
WALL TYPES

- A

5/8" GYPSUM BOARD ON BOTH SIDES OF 2X4 WOOD STUDS @ 16" O.C. W/ BATT INSULATION - CONSTRUCT TO UNDERSIDE OF HARD CEILING
- B

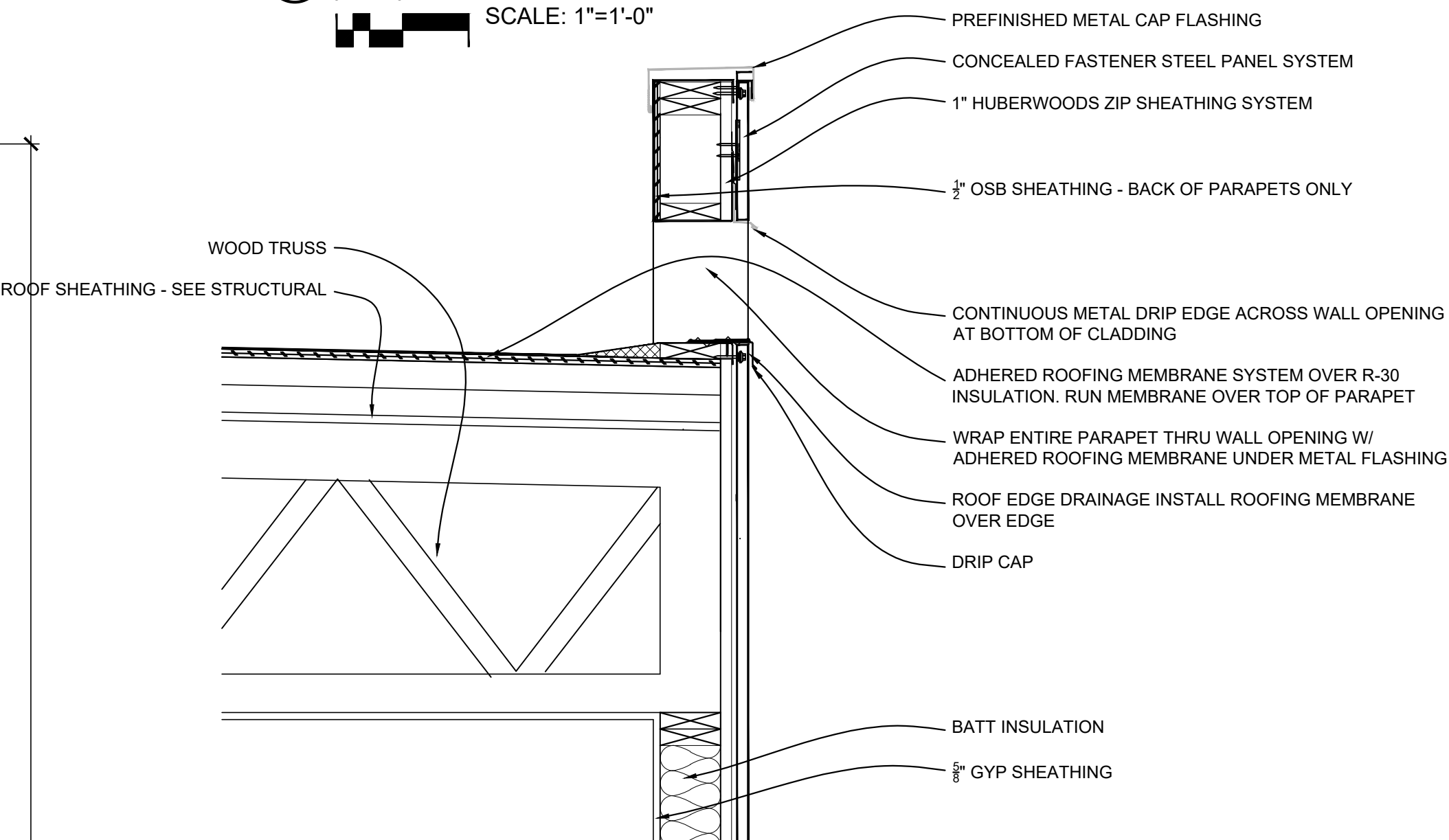
5/8" GYPSUM BOARD ON BOTH SIDES OF 2X6 WOOD STUDS @ 16" O.C. W/ BATT INSULATION. CONSTRUCT TO UNDERSIDE OF STRUCTURE
- C

5/8" GYPSUM BOARD ON BOTH SIDES OF 2X6 WOOD STUDS @ 16" O.C. W/ RESILIENT CHANNEL ONE SIDE & BATT INSULATION. CONSTRUCT TO UNDERSIDE OF STRUCTURE



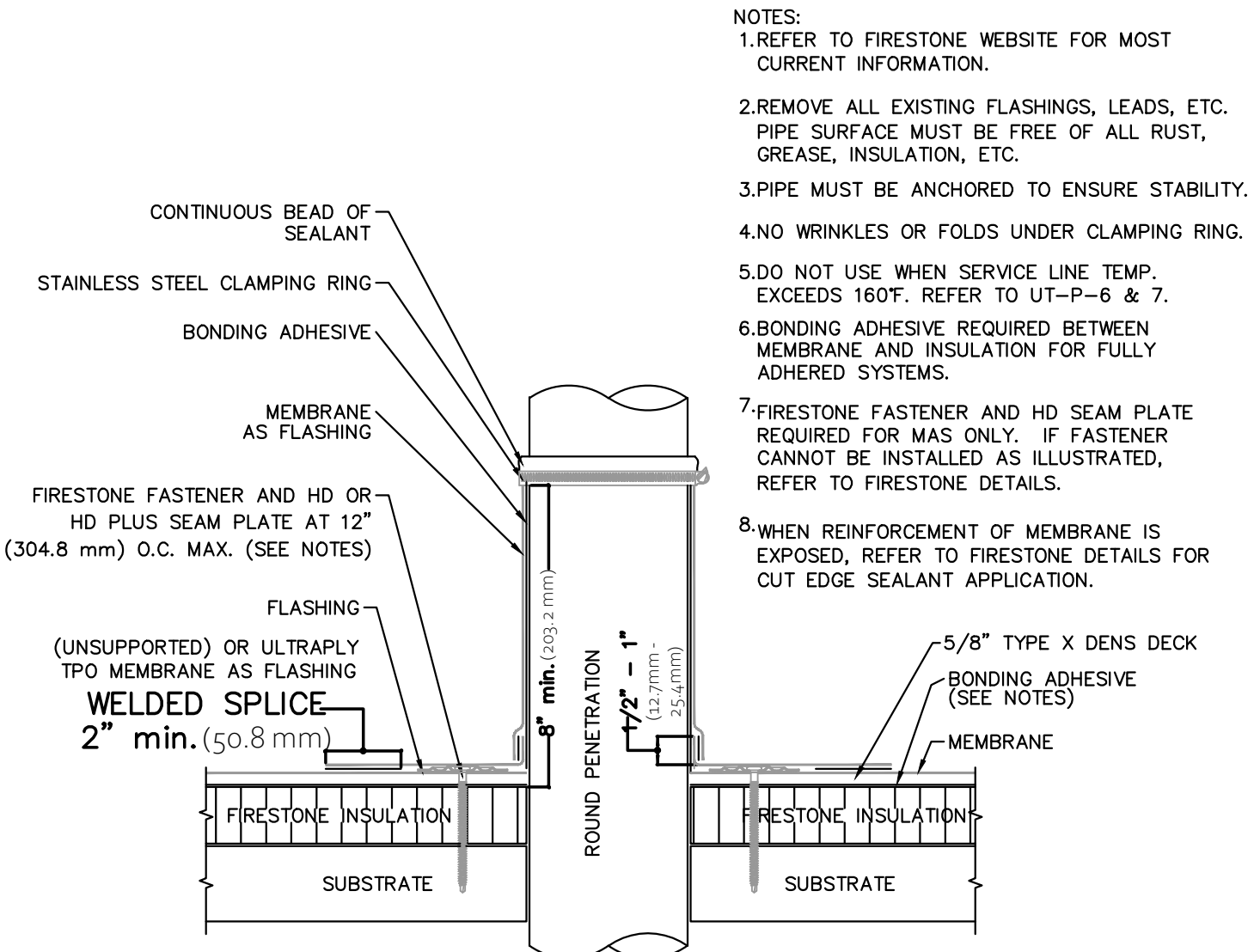
2 SCUPPER AND DOWNSPOUT DETAIL

0 6" 1" SCALE: 1"=1'-0"



3 OVERFLOW SCUPPER DETAIL

0 6" 1" SCALE: 1"=1'-0"



4 ROOF PENETRATION DETAIL

0 6" 1" SCALE: 1"=1'-0"

BUILDING CODE REVIEW

BASED ON 2018 IBC
BASED ON 2020 MN BUILDING CODE

BUILDING TYPE VB
NO FIRE SPRINKLER SYSTEM INSTALLED
BUILDING IS 1 STORY WOOD FRAME CONSTRUCTION
BUILDING IS MULTI-TENANT BUILDING
NON-SEPARATED OCCUPANCY
TOTAL SQ. FTG. = 4543 SQ. FT.
ALLOWABLE BUILDING AREA CALCULATIONS
BASED ON MOST RESTRICTIVE OCC. (M) RETAIL
BASE ALLOWABLE SQ. FTG. = 9,000 SQ. FT.
ALLOWABLE 1 STORY
ACTUAL AREA = 4543 SQ. FT.

POTENTIAL OF 3 TENANT SPACE

EACH TENANT M (RETAIL) 1500 TOTAL SQ. FT. / 60 PER OCC. = 25 OCC.
EXITS REQUIRED (1) (1) PROVIDED

PLUMBING FIXTURE COUNT

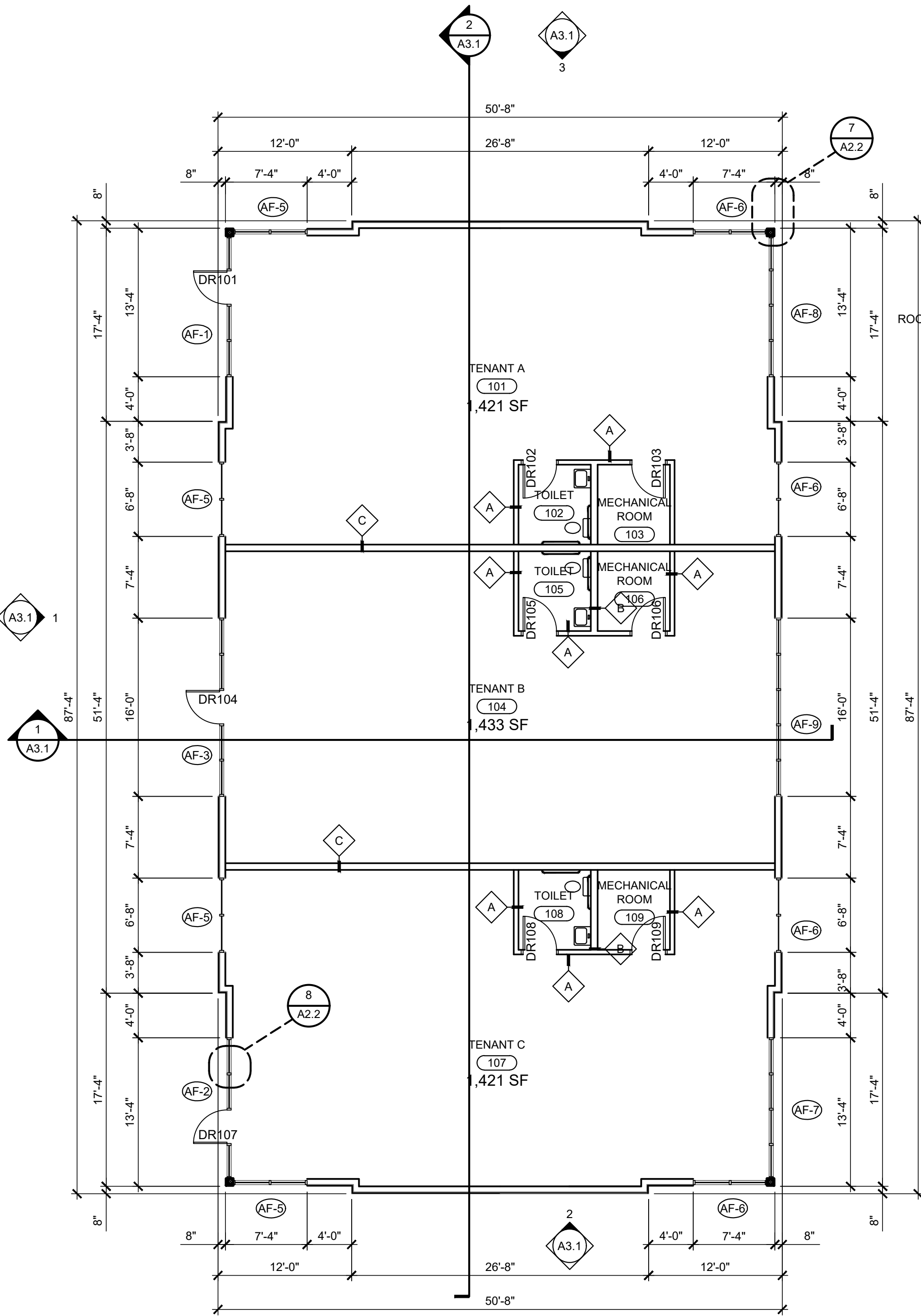
OCCUPANT LOAD PER TENANT SPACE
M OCC. LOAD (RETAIL) = 25 OCC.

FIXTURES REQ'D BY CODE

M OCC. REQUIRES 1 TOILET/500 OCC.
TOILETS REQ'D (1)

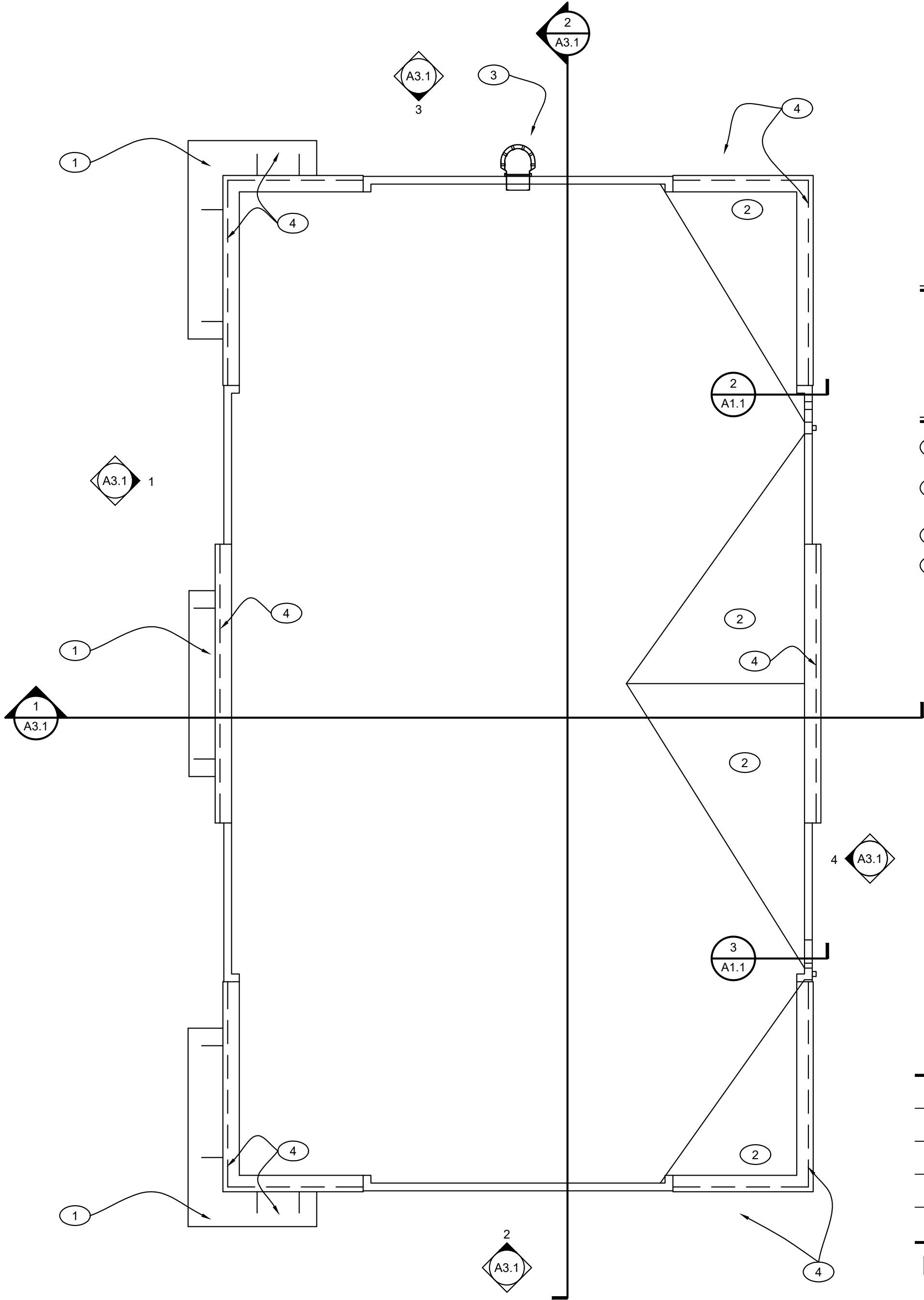
M OCC. REQUIRES 1 SINK/750 OCC.
SINKS REQ'D (1)

TOTAL TOILETS REQUIRED (1) TOTAL SINKS REQ'D (1)
TOTAL TOILETS PROVIDED (1) TOTAL SINKS PROVIDED (1)
SINGLE GENDER NUETRAL RESTROOM ALLOWED DUE TO OCCUPANT
LOAD OF 25 OR LESS



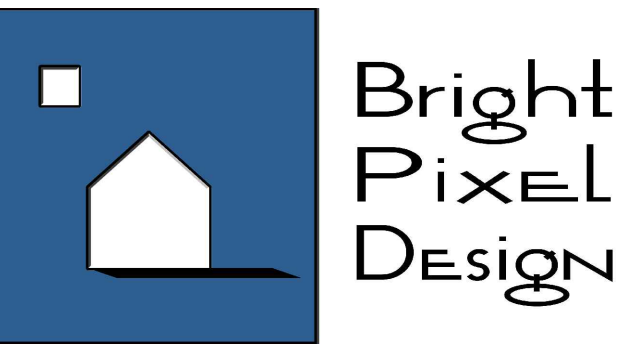
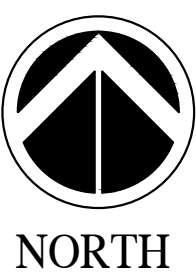
1 FLOOR PLAN

0 4' 8" SCALE: 1/8"=1'-0"



5 ROOF PLAN

0 4' 8" SCALE: 1/8"=1'-0"



PROJECT TITLE:
RIVER HILLS MALL
BUILDING ONE
MANKATO, MN 56001



Richard D. Storber

GENERAL NOTES:

CONTRACTORS TO FOLLOW
MANUFACTURER'S INSTRUCTIONS AND
INDUSTRY BEST PRACTICES FOR ALL
PRODUCT INSTALLATIONS.

SHEET NOTES:

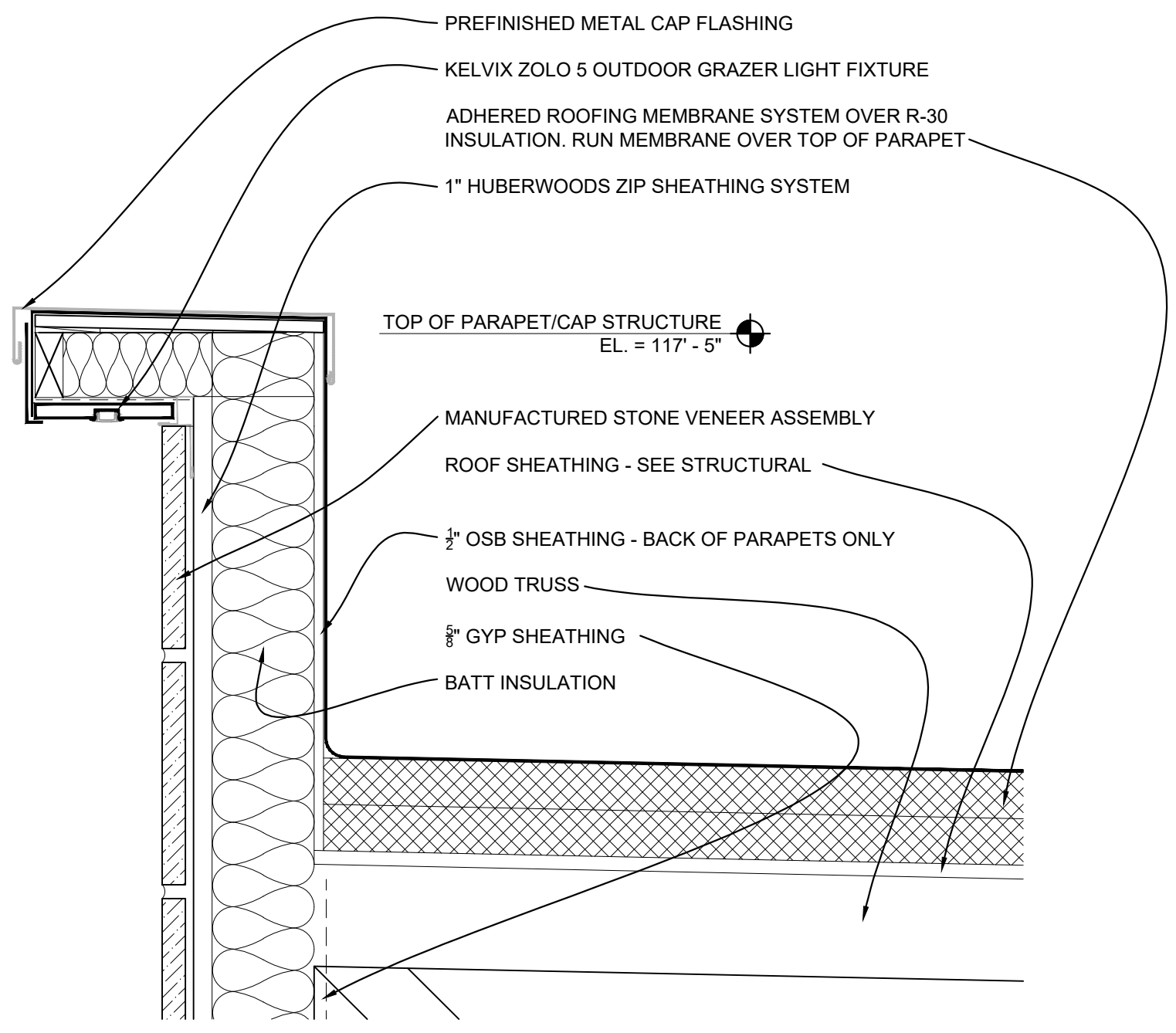
- 1 PREFABRICATED ALUMINUM SUNSHADE
- 2 WATER DIVERSION CRICKET CONSTRUCTED OF TAPERED RIGID INSULATION UNDER ADHERED ROOFING MEMBRANE
- 3 ROOF ACCESS LADDER SEE 1/A4.1
- 4 DASHED LINE DENOTES KELVIX ZOLO 5 OUTDOOR GRAZER LIGHT FIXTURE IN CAP

No.	SUBMISSIONS & REVISIONS	Date

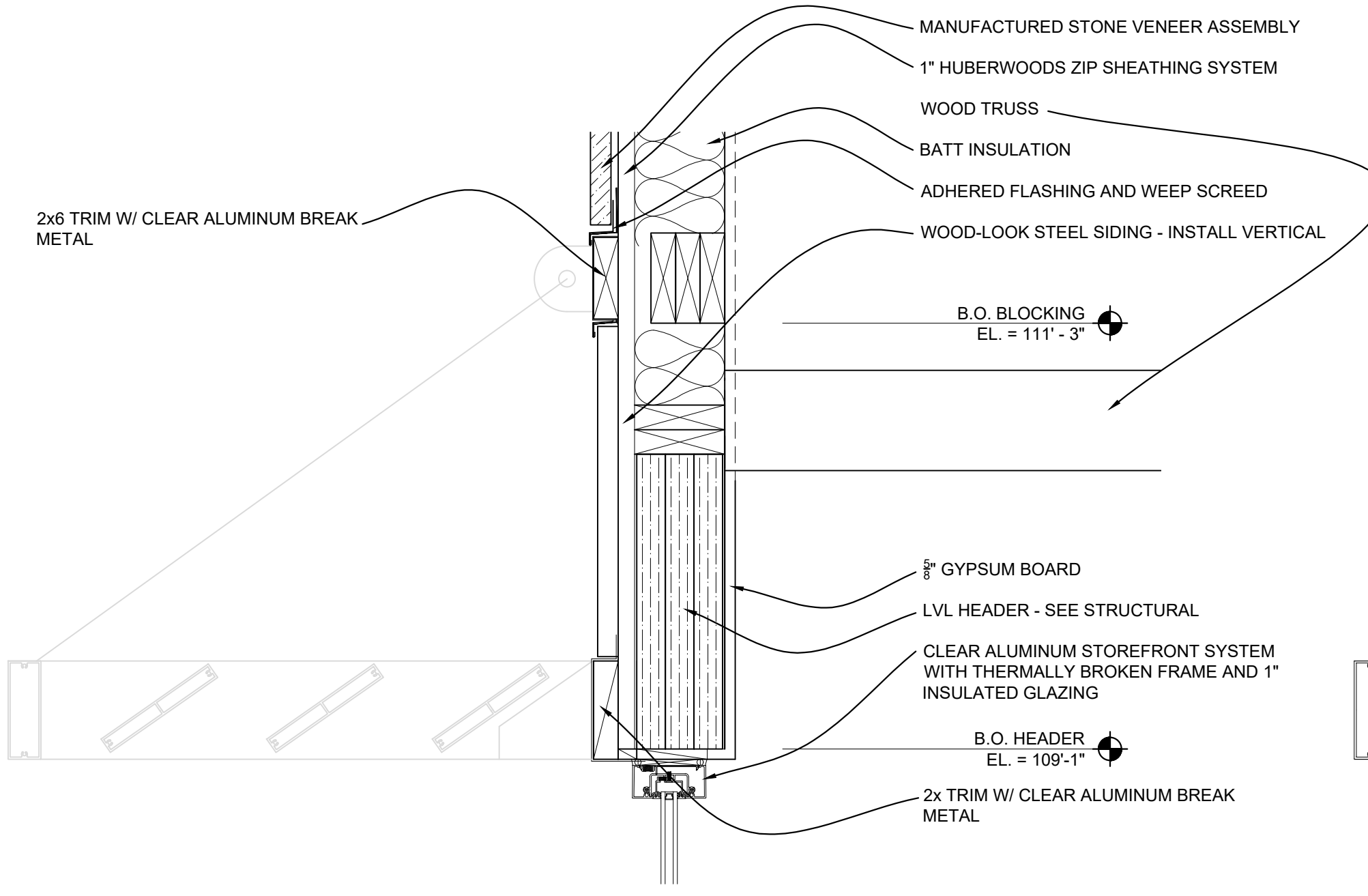
FLOOR PLAN & ROOF PLAN

JOB. NO.:	25.22.1
DATE:	4-17-2026
DRAWN BY:	MJB

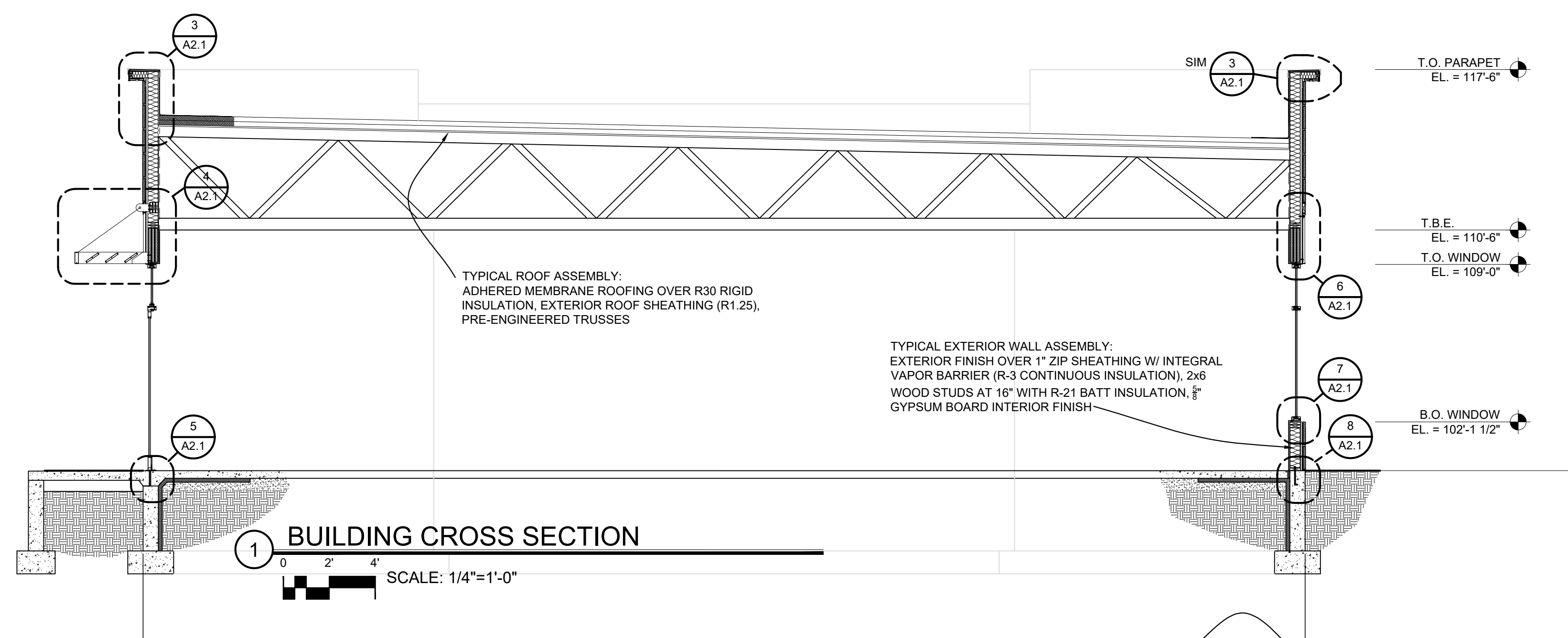
A1.1



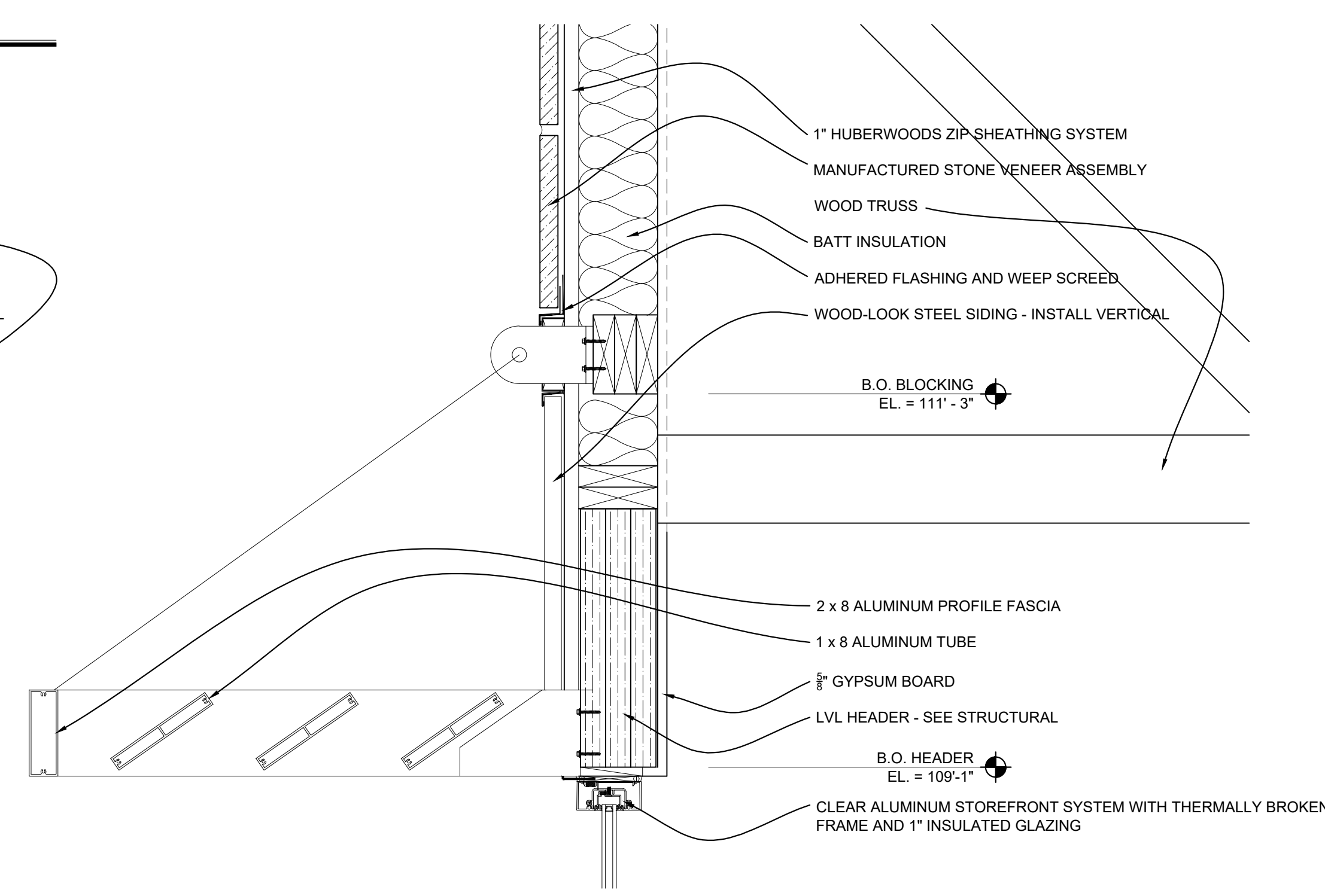
3 DETAIL
0 6" 1" SCALE: 1 1/2"=1'-0"



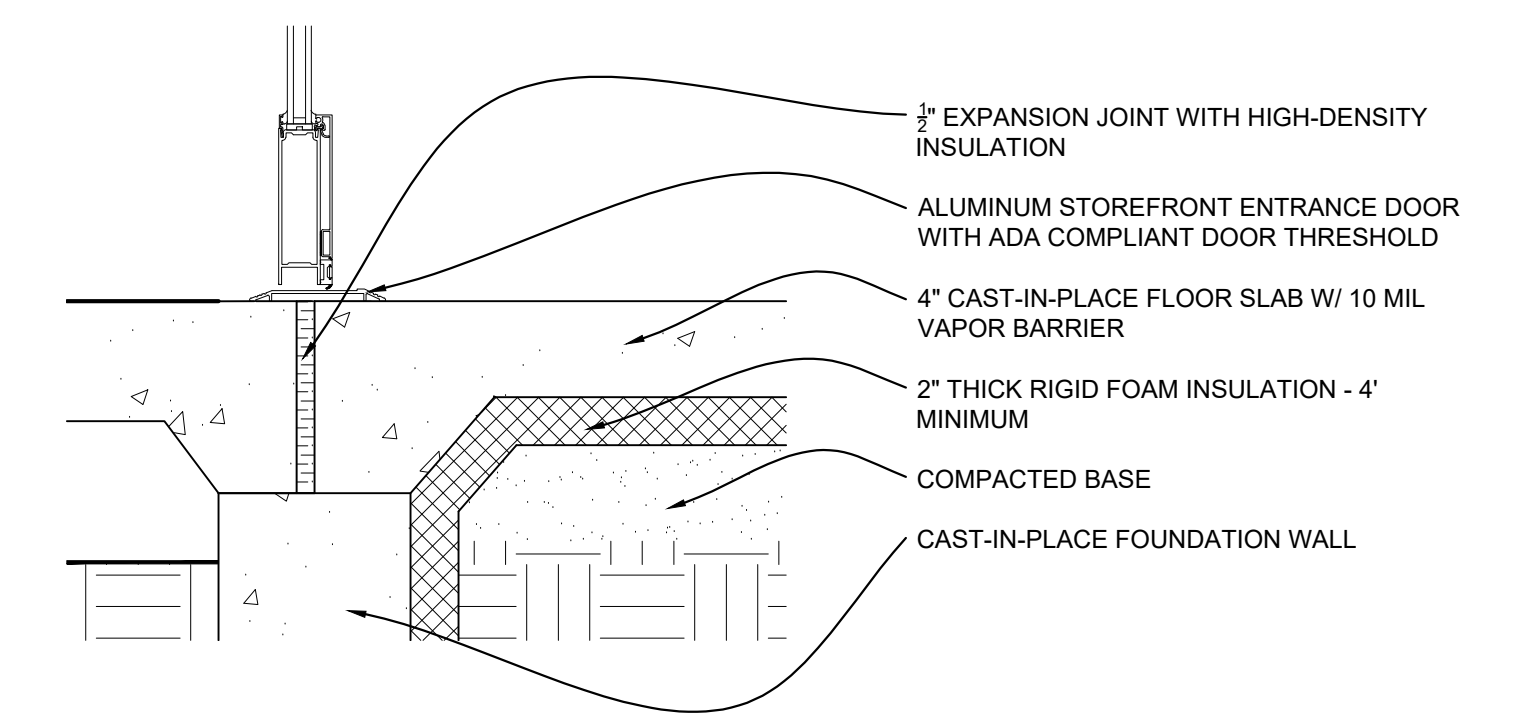
9 DETAIL
0 6" 1" SCALE: 1 1/2"=1'-0"



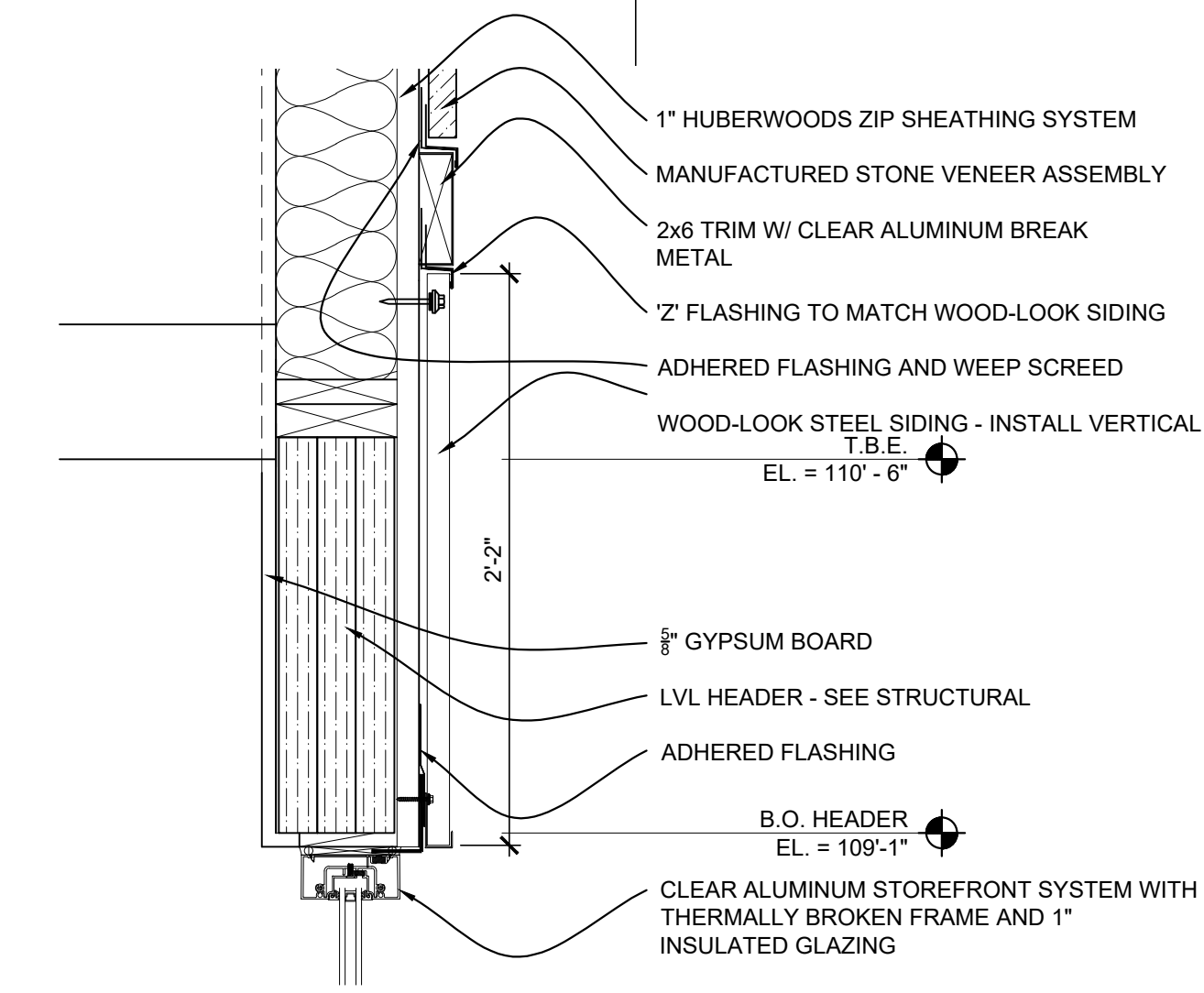
1 BUILDING CROSS SECTION
0 2' 4' SCALE: 1/4"=1'-0"



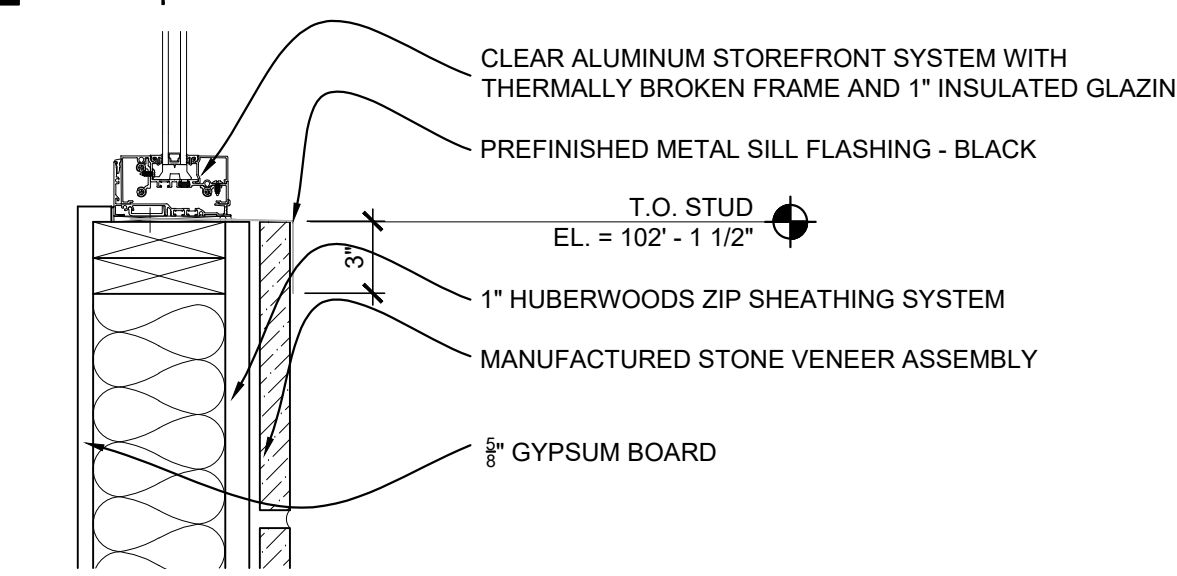
4 DETAIL
0 6" 1" SCALE: 1 1/2"=1'-0"



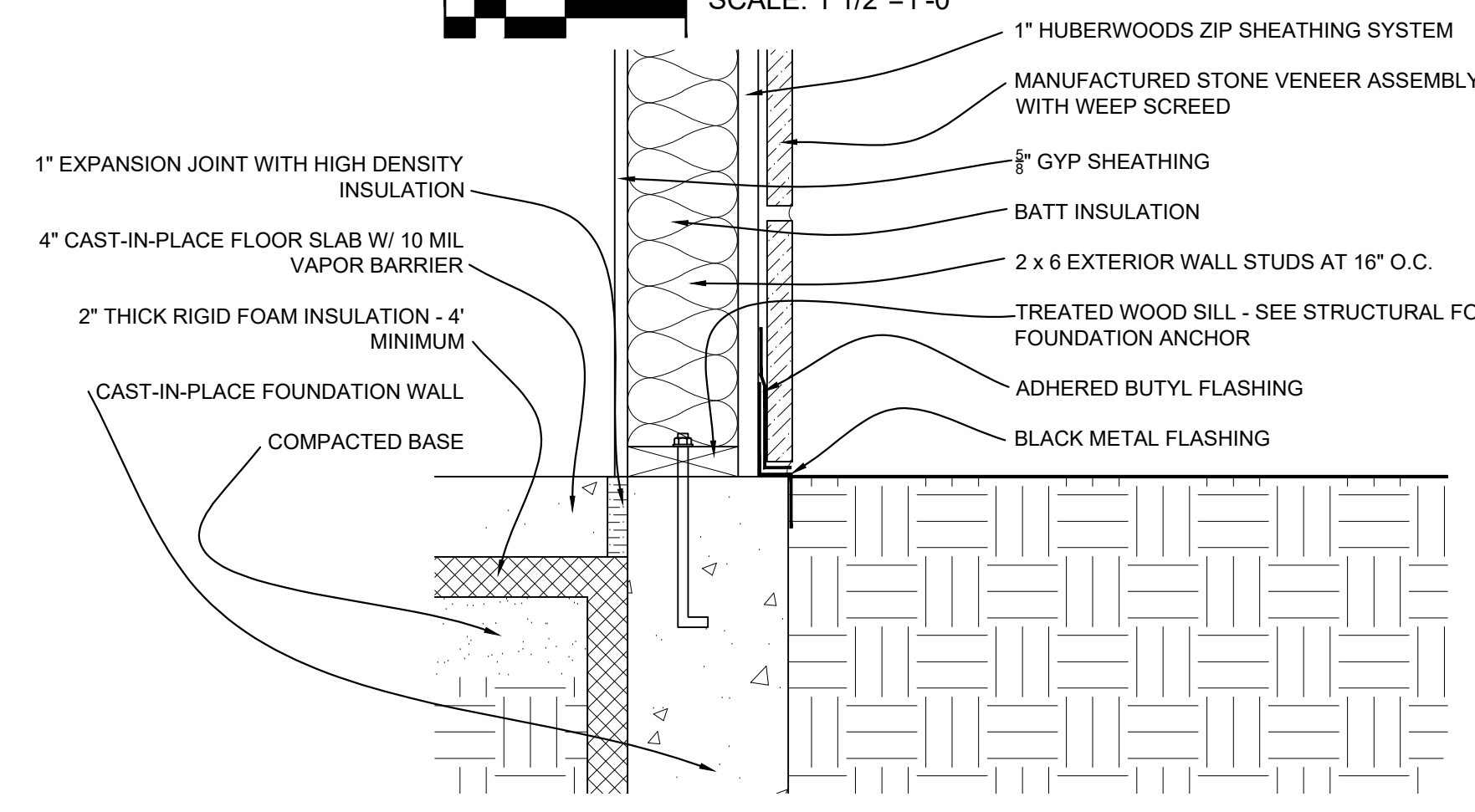
5 DETAIL
0 6" 1" SCALE: 1 1/2"=1'-0"



6 DETAIL
0 6" 1" SCALE: 1 1/2"=1'-0"



7 DETAIL
0 6" 1" SCALE: 1 1/2"=1'-0"



8 DETAIL
0 6" 1" SCALE: 1 1/2"=1'-0"



PROJECT TITLE:
**RIVER HILLS MALL
BUILDING ONE
MANKATO, MN 56001**



Richard D. Storke

GENERAL NOTES:

CONTRACTORS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND INDUSTRY BEST PRACTICES FOR ALL PRODUCT INSTALLATIONS.

SHEET NOTES:

1 NOTE

No.	SUBMISSIONS & REVISIONS	Date

BUILDING SECTION

JOB NO.:	25.22.1
DATE:	4-17-2026
DRAWN BY:	MJB



Richard D. Storier

GENERAL NOTES:

CONTRACTORS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND INDUSTRY BEST PRACTICES FOR ALL PRODUCT INSTALLATIONS.

SHEET NOTES:

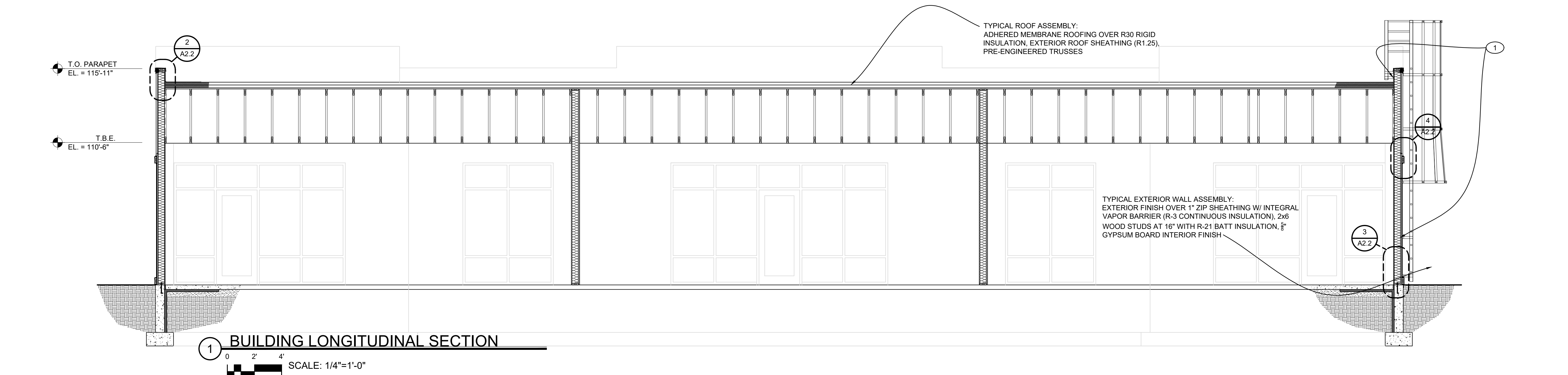
- 1 PROVIDE IN-WALL BLOCKING AS REQUIRED FOR LADDER INSTALLATION

No. SUBMISSIONS & REVISIONS Date

BUILDING SECTION AND DETAILS

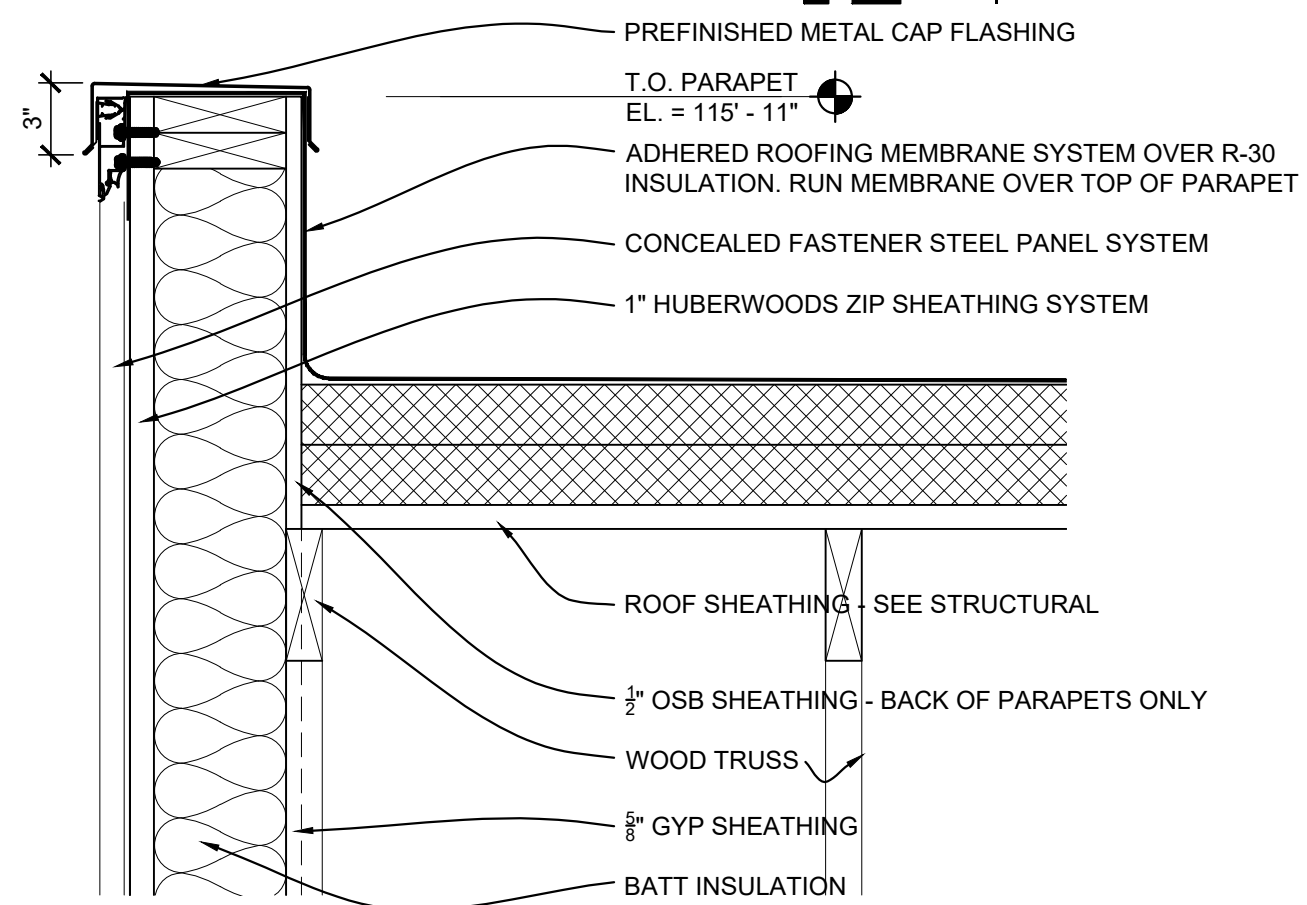
JOB. NO.: 25.22.1
DATE: 4-17-2026
DRAWN BY: MJB

A2.2



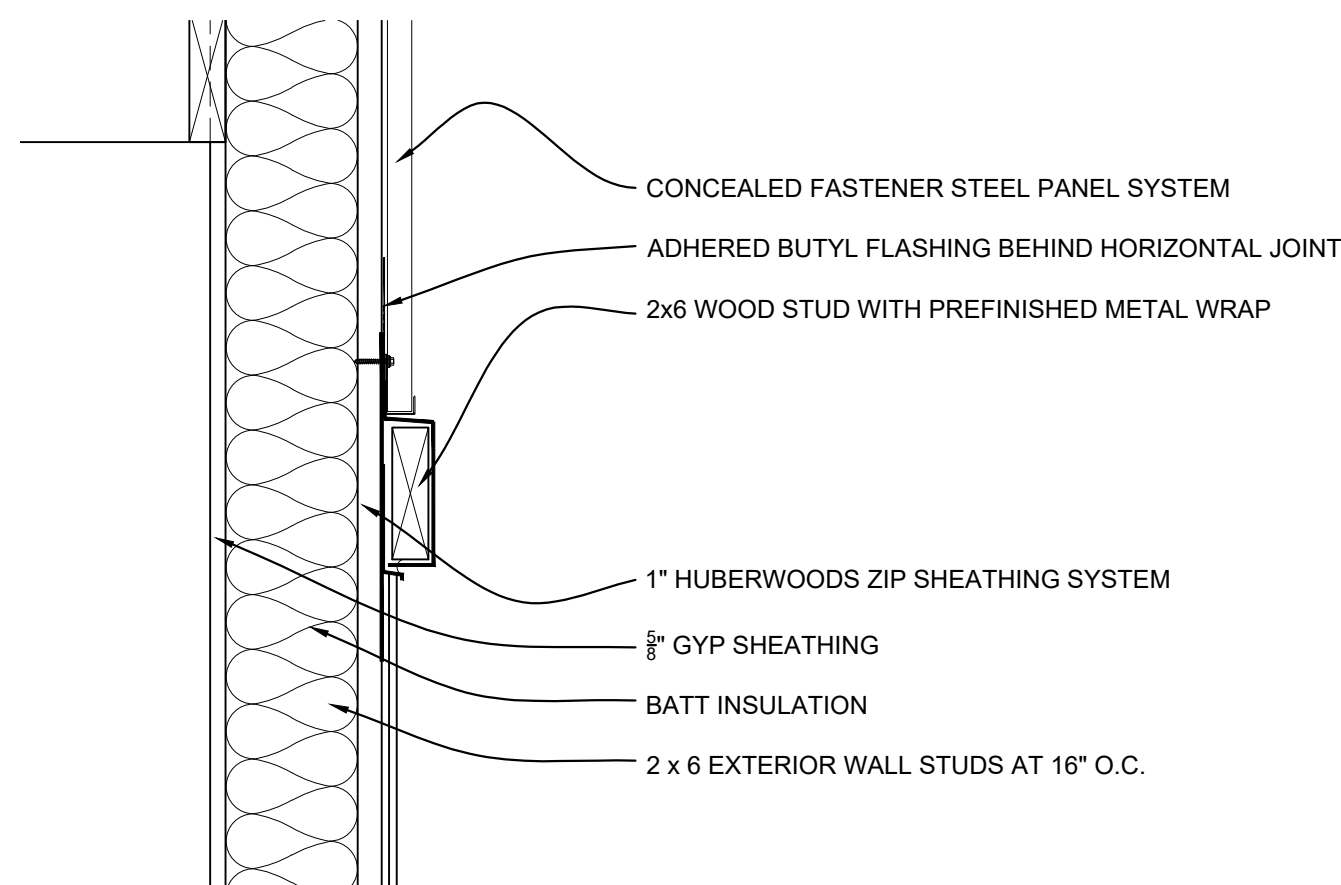
BUILDING LONGITUDINAL SECTION

SCALE: 1/4"=1'-0"



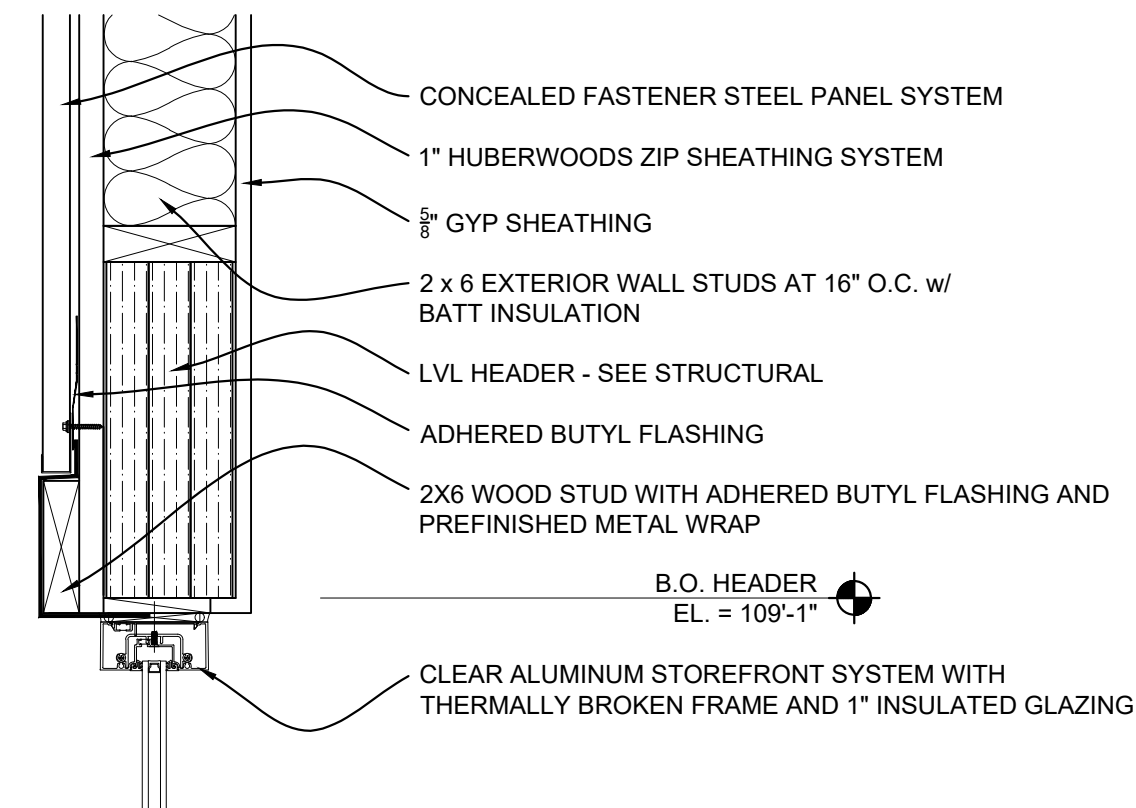
DETAIL

SCALE: 1 1/2"=1'-0"



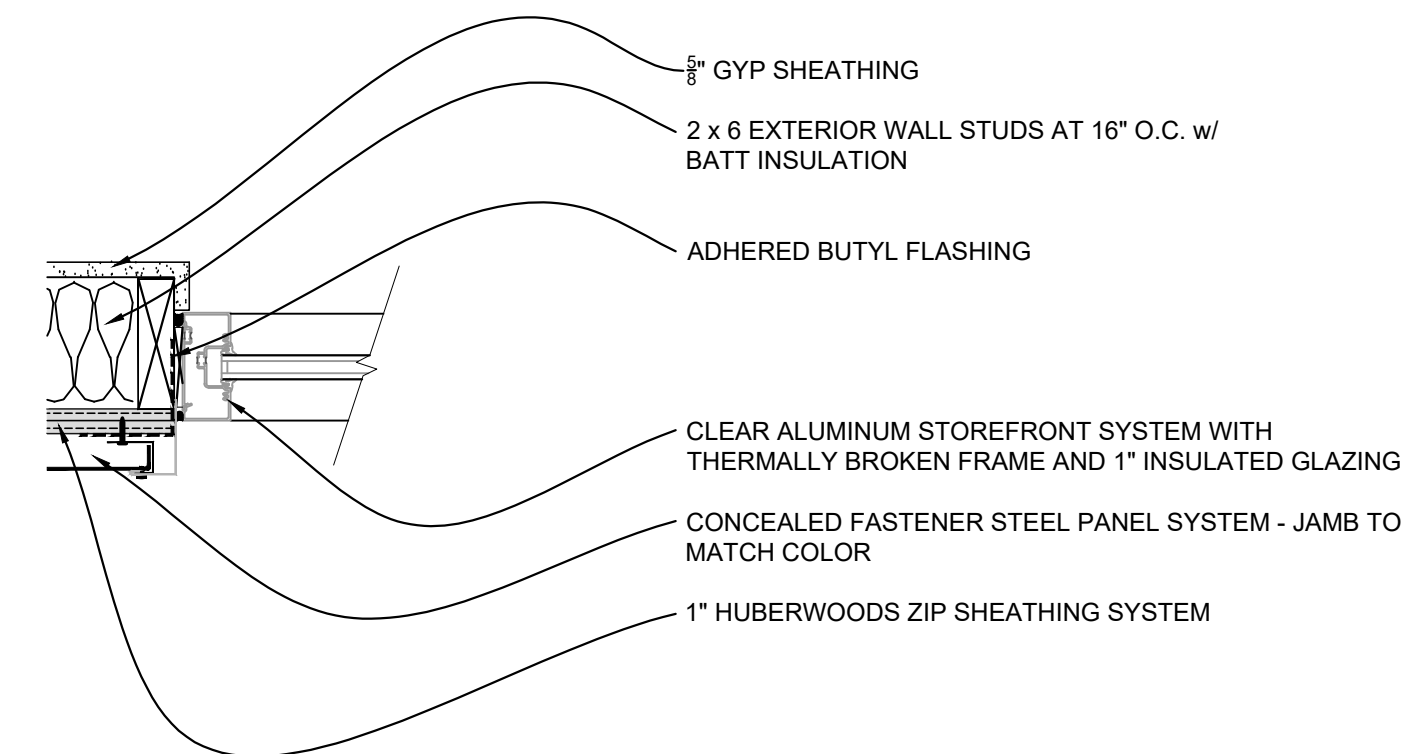
DETAIL

SCALE: 1 1/2"=1'-0"



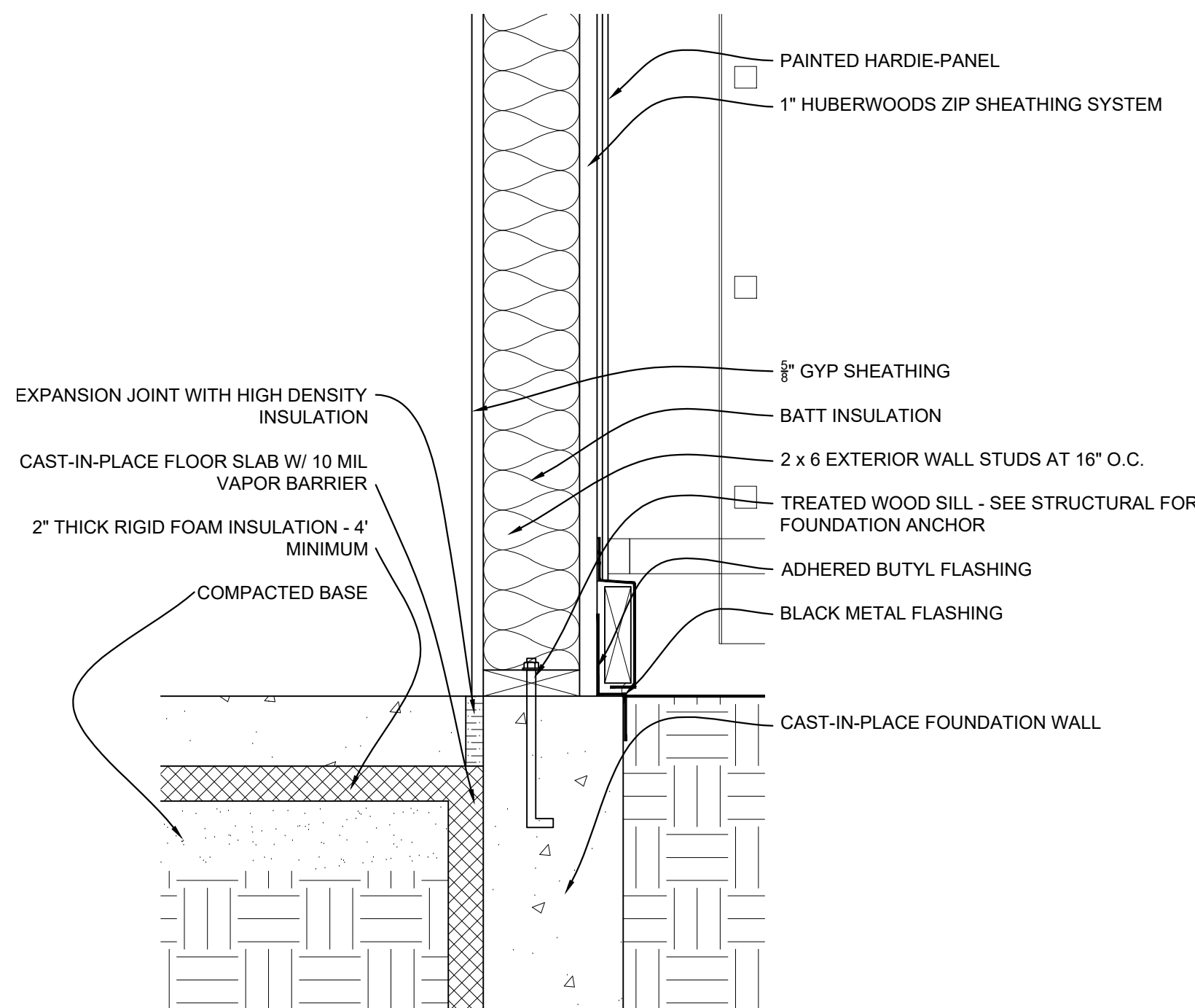
DETAIL

SCALE: 1 1/2"=1'-0"



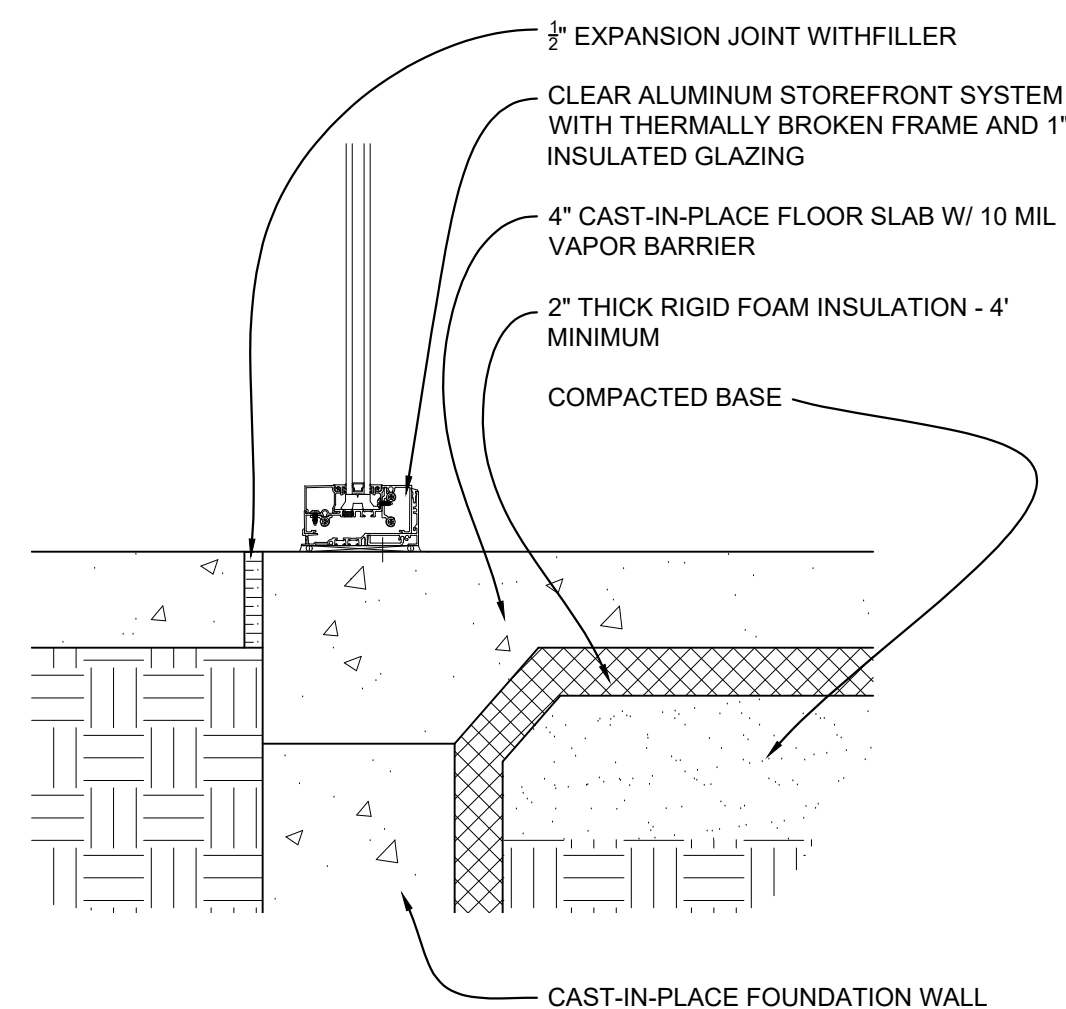
DETAIL

SCALE: 1 1/2"=1'-0"



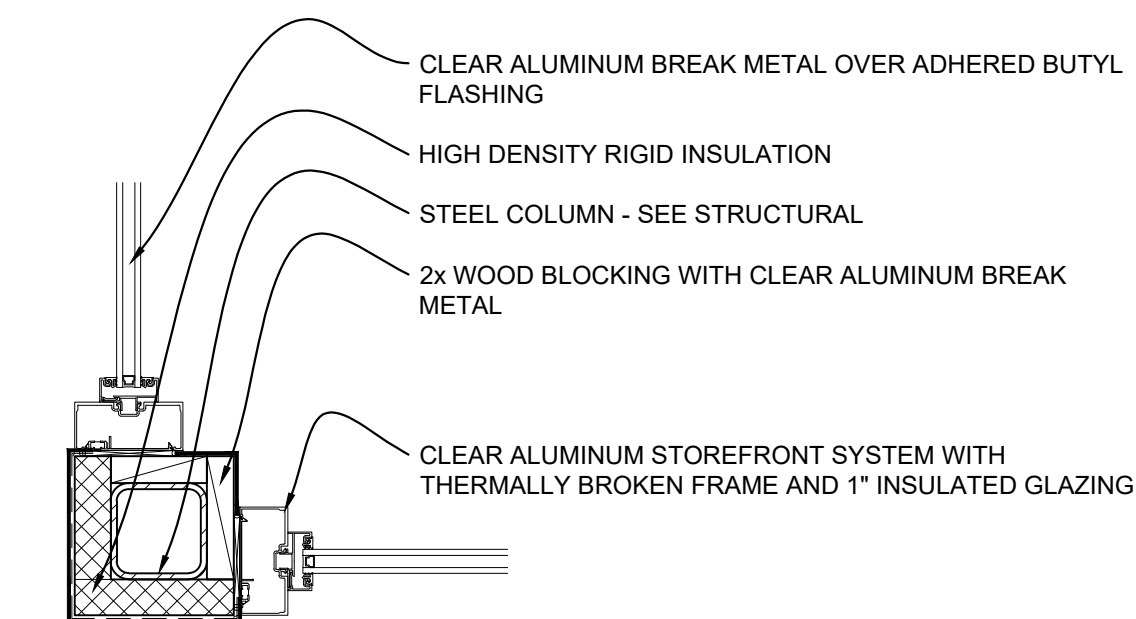
DETAIL

SCALE: 1 1/2"=1'-0"



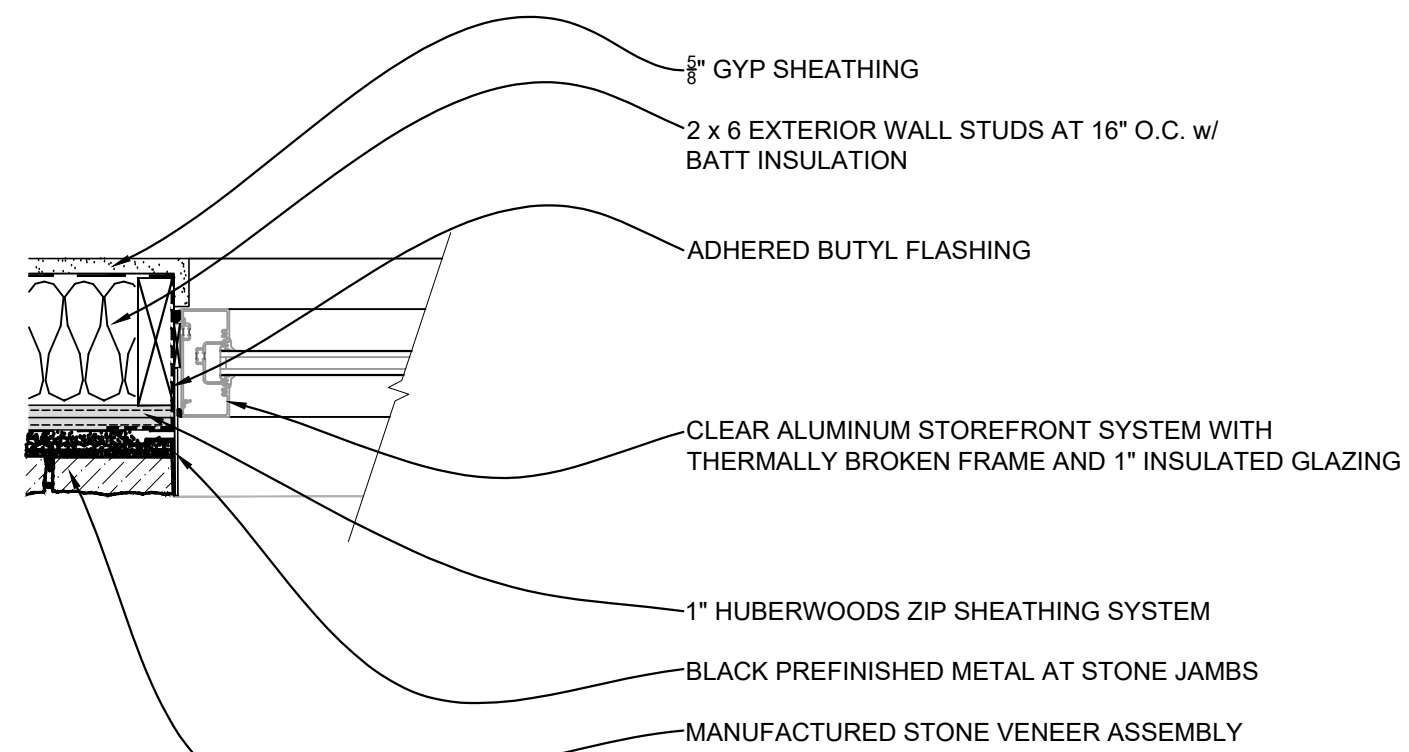
DETAIL

SCALE: 1 1/2"=1'-0"



DETAIL

SCALE: 1 1/2"=1'-0"



DETAIL

SCALE: 1 1/2"=1'-0"



Richard D. Storke

GENERAL NOTES:

CONTRACTORS TO FOLLOW
MANUFACTURER'S INSTRUCTIONS AND
INDUSTRY BEST PRACTICES FOR ALL
PRODUCT INSTALLATIONS.

SHEET NOTES:

- 1 THINSTONE : CENTURION STONE
DIMENSIONAL SLATE FLAT & CORNER UNITS -
CHARCOAL GREY/MT RUNDLE NO ACCENTS
- 2 PREFINISHED STEEL SIDING, METAL SALES
EM15-1211 CONCEALED FASTENER WALL
PANELS WITH 1" OPEN EXPOSURE
HORIZONTAL CHANNELS PER 2/A2.2
COLOR: SNOWDRIFT WHITE
- 3 STUCCO TEXTURE $\frac{5}{8}$ " HARDIE PANEL W 'H'
JOINT AT VERTICALS, TAML'YN XOCLP516 AT
OUTSIDE CORNERS AND 2" FLASHING AT
HORIZONTALS. COLOR: SW 7074
- 4 INDUSTRIAL LOUVERS, INC. PREFINISHED
ALUMINUM SUNSHADE WITH ORNAMENTAL
TIE-BACKS PER 4/A2.1 - CLEAR
- 5 CLEAR ALUMINUM BREAK METAL
- 6 PREFINISHED BLACK METAL WRAP FOR CAPS,
SILLS AND TRIM WRAP
- 7 SCUPPER, OVERFLOW SCUPPER AND
DOWNSPOUT: SNOWDRIFT WHITE
- 8 CLEAR ALUMINUM STOREFRONT SYSTEM: SEE
SHEET A4.1
- 9 ROOF ACCESS LADDER SEE 1/A4.1
- 10 CORNICE/CAP WITH KELVIX ZOLO 5 OUTDOOR
GRAZER LIGHT FIXTURE

No. SUBMISSIONS & REVISIONS Date

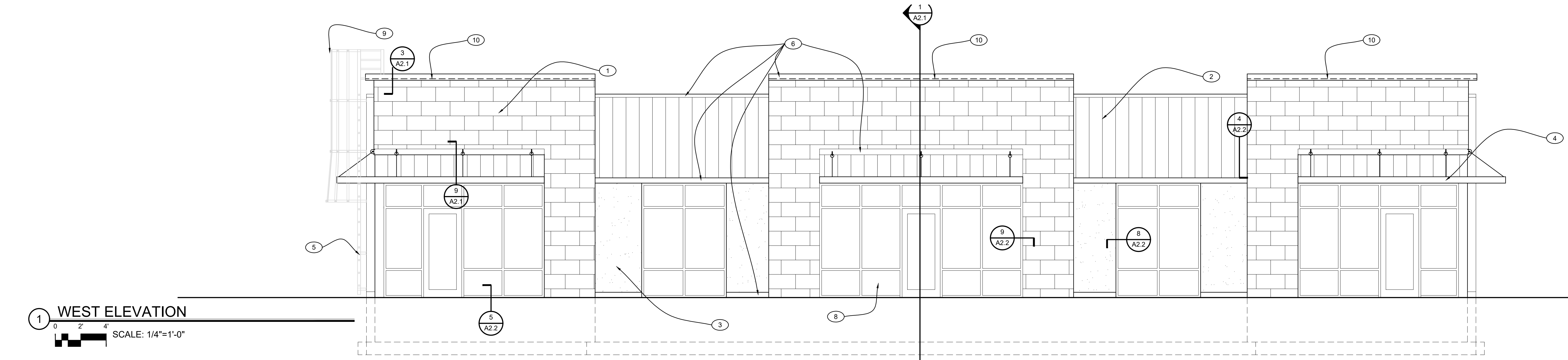
EXTERIOR ELEVATIONS

JOB NO.: 25.22.1
DATE: 4-17-2026
DRAWN BY: MJB

A3.1

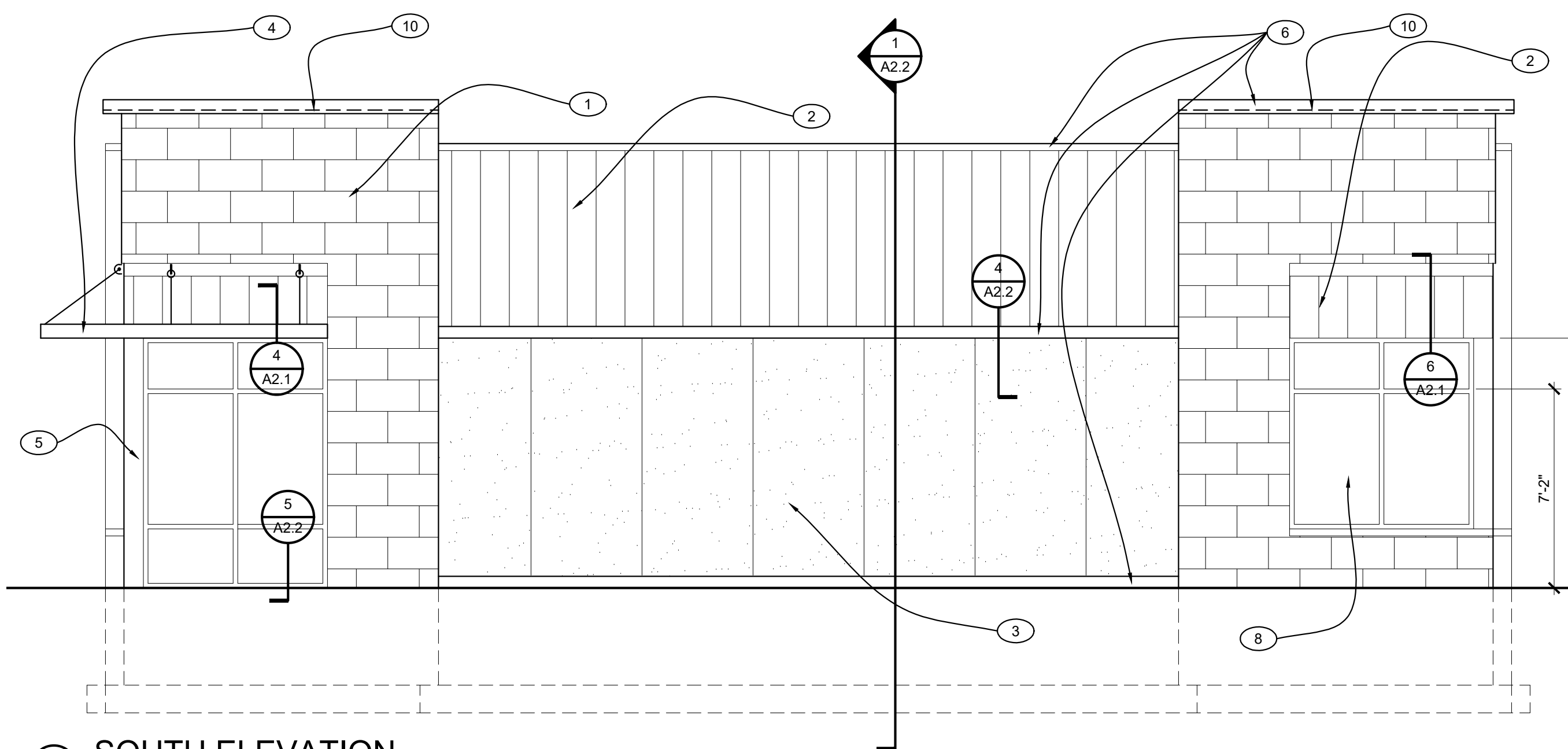
1 WEST ELEVATION

0 2' 4' SCALE: 1/4"=1'-0"



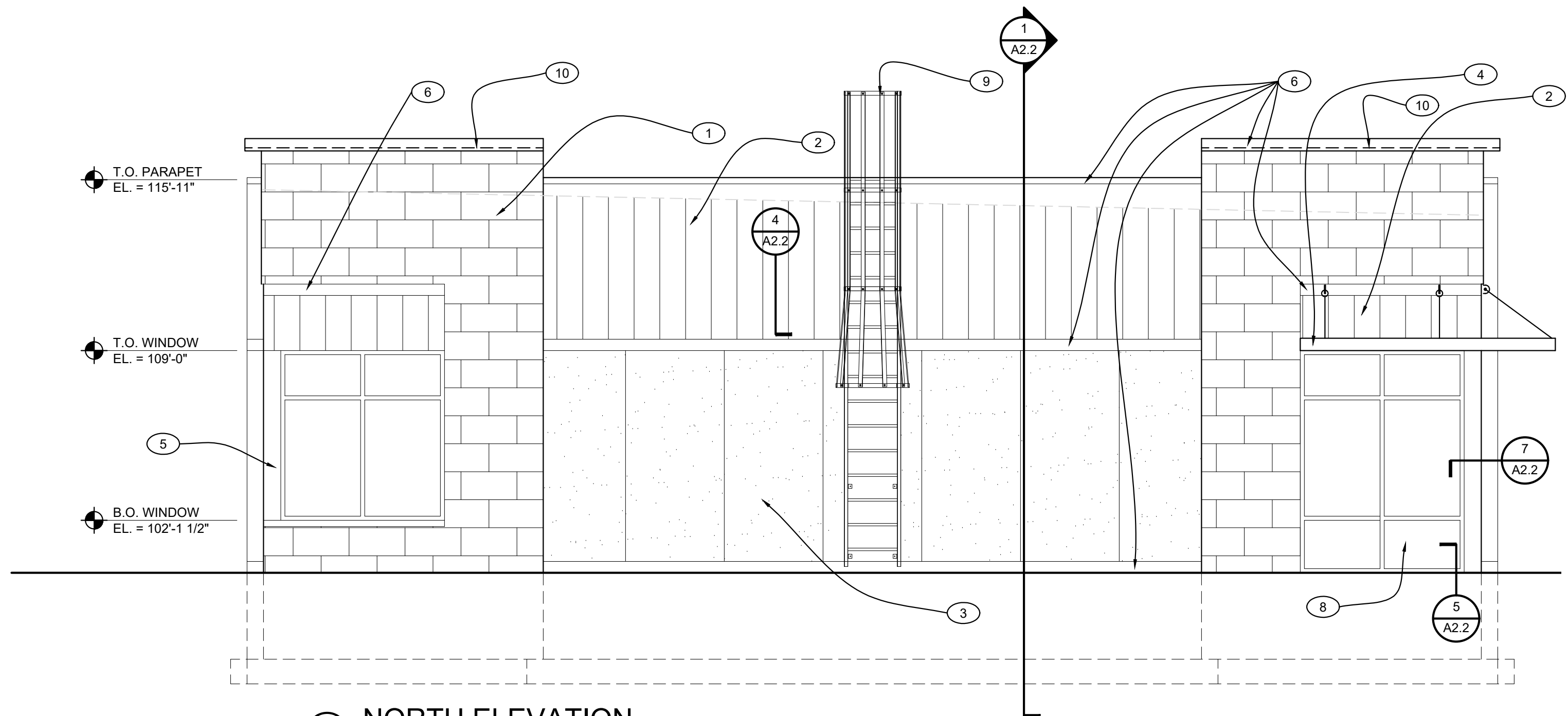
2 SOUTH ELEVATION

0 2' 4' SCALE: 1/4"=1'-0"



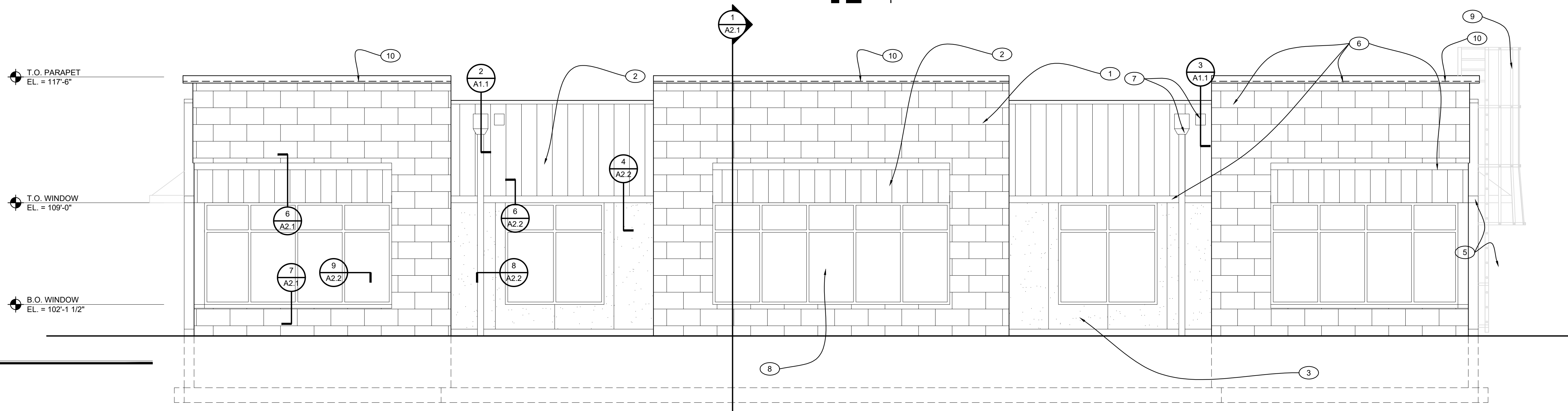
3 NORTH ELEVATION

0 2' 4' SCALE: 1/4"=1'-0"

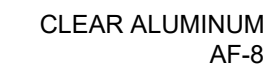


4 EAST ELEVATION

0 2' 4' SCALE: 1/4"=1'-0"



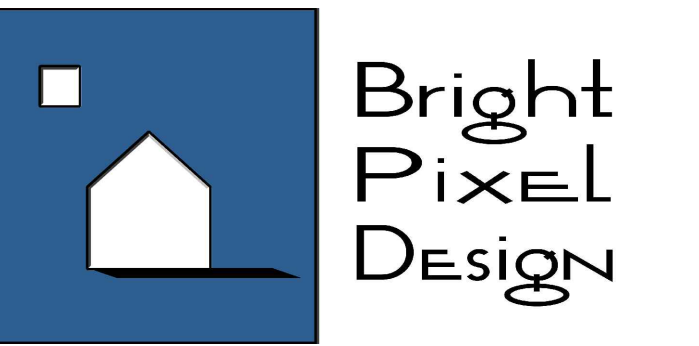
* = TEMPERED GLAZING



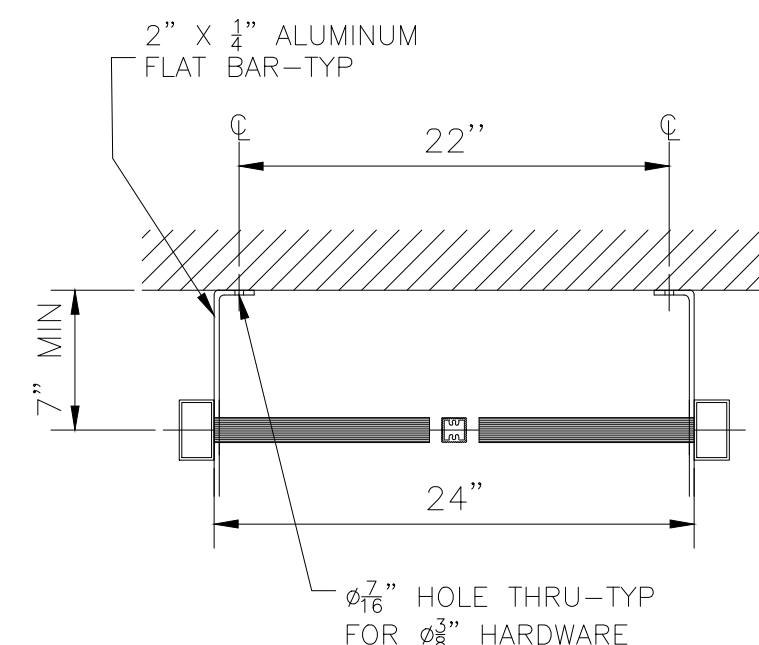
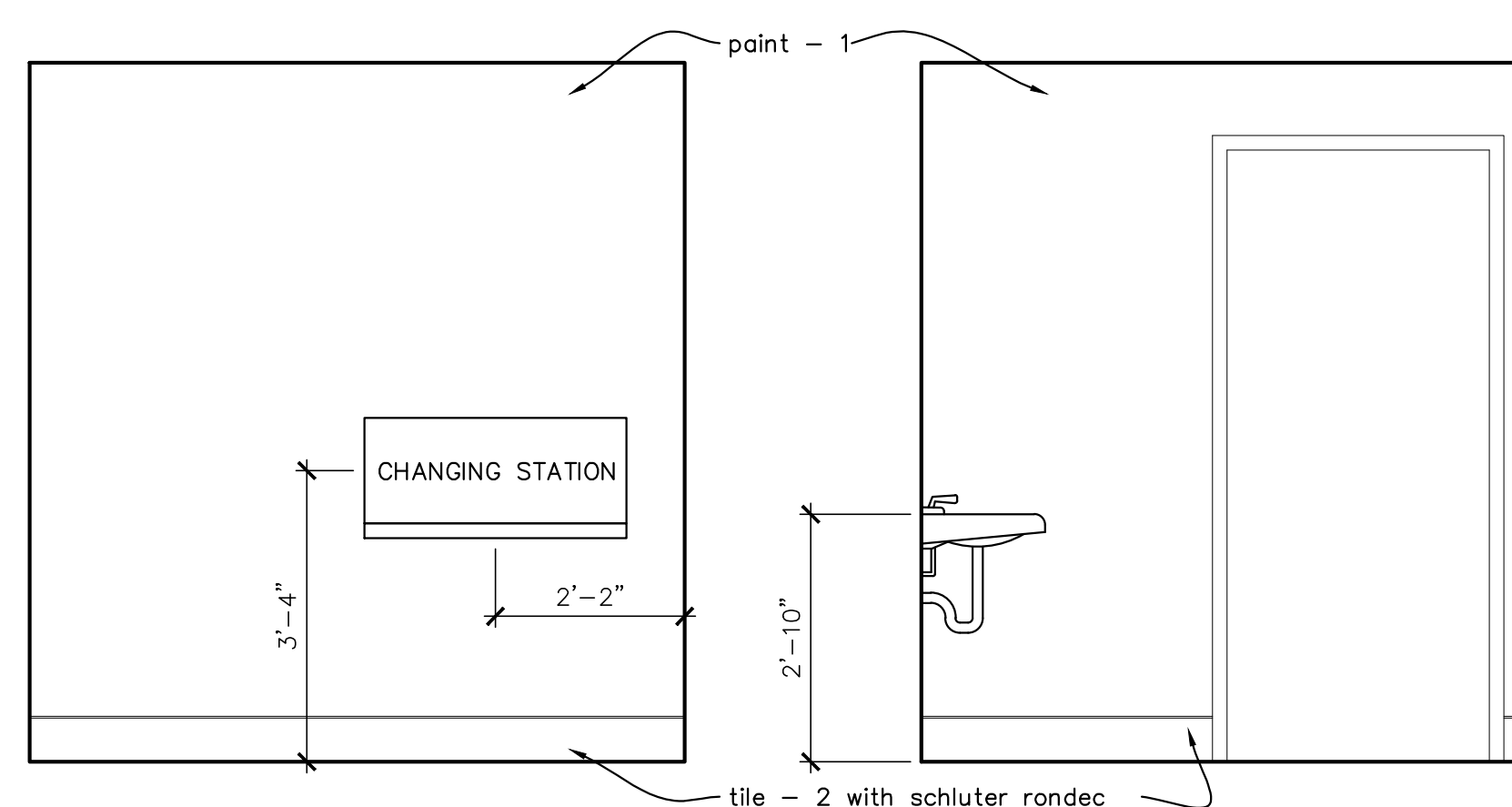
DESIGNATION	DOOR	FRAME	HWWR	MISC.	
DOOR NUMBER	ROOM	DOOR TYPE	FRAME TYPE	GROUP	
101	TENANT A	AD-1	AF-1	STOREFRONT LOCKSET	CLOSER, EXTERIOR HARDWARE
102	TOILET	WD-1	HM-1	RESTROOM LOCKSET	-
103	MECHANICAL ROOM	WD-1	HM-1	STORAGE LOCKSET	-
104	TENANT B	AD-1	AF-3	STOREFRONT LOCKSET	CLOSER, EXTERIOR HARDWARE
105	TOILET	WD-1	HM-1	RESTROOM LOCKSET	-
106	MECHANICAL ROOM	WD-1	HM-1	STORAGE LOCKSET	-
107	TENANT C	AD-1	AF-2	STOREFRONT LOCKSET	CLOSER, EXTERIOR HARDWARE
108	TOILET	WD-1	HM-1	RESTROOM LOCKSET	-
109	MECHANICAL ROOM	WD-1	HM-1	STORAGE LOCKSET	-

NOTES:

1. VERIFY ALL HARDWARE WITH OWNER PRIOR TO PURCHASE AND INSTALLATION
2. FINISH: CLEAR ALUMINUM
3. ALL DOORS TO HAVE LEVER HANDLES UNLESS NOTED OTHERWISE



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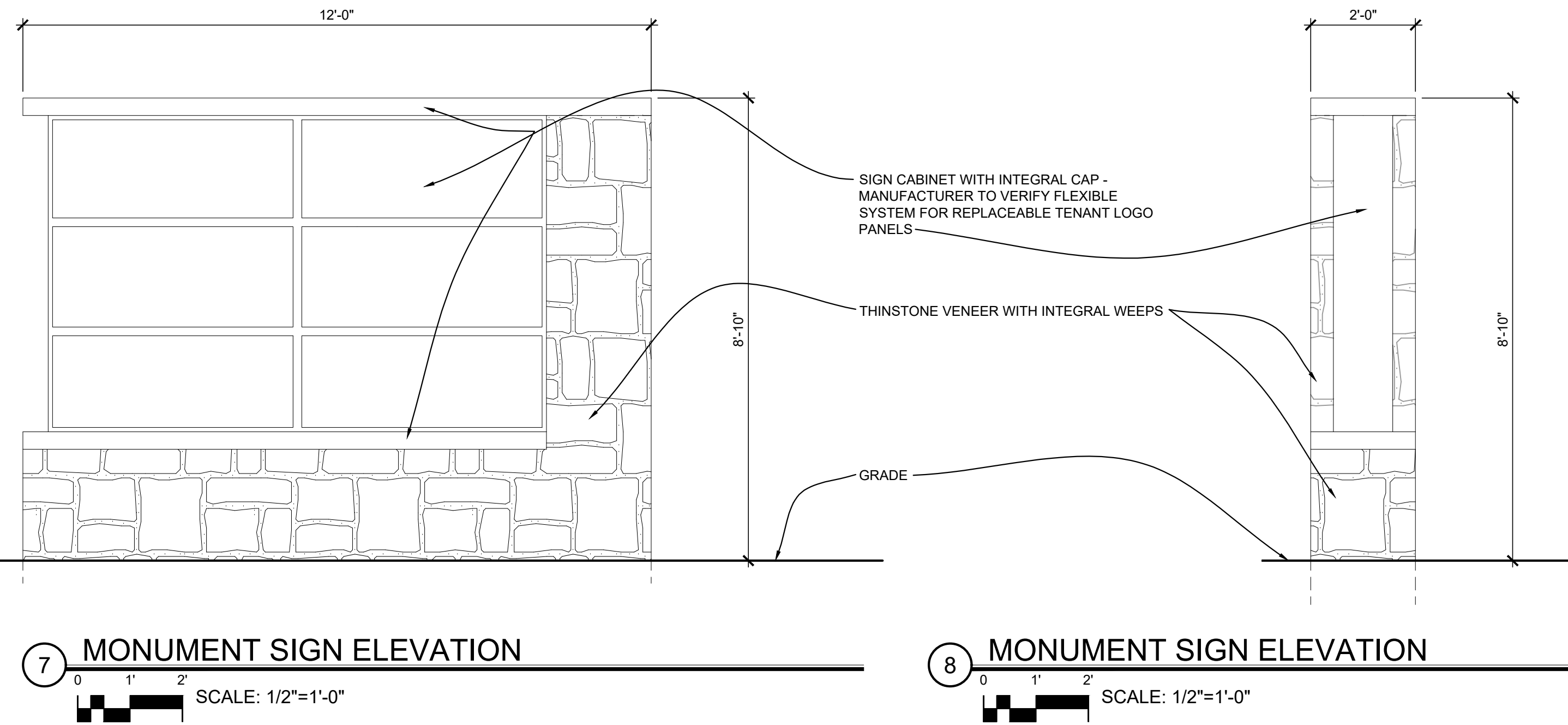
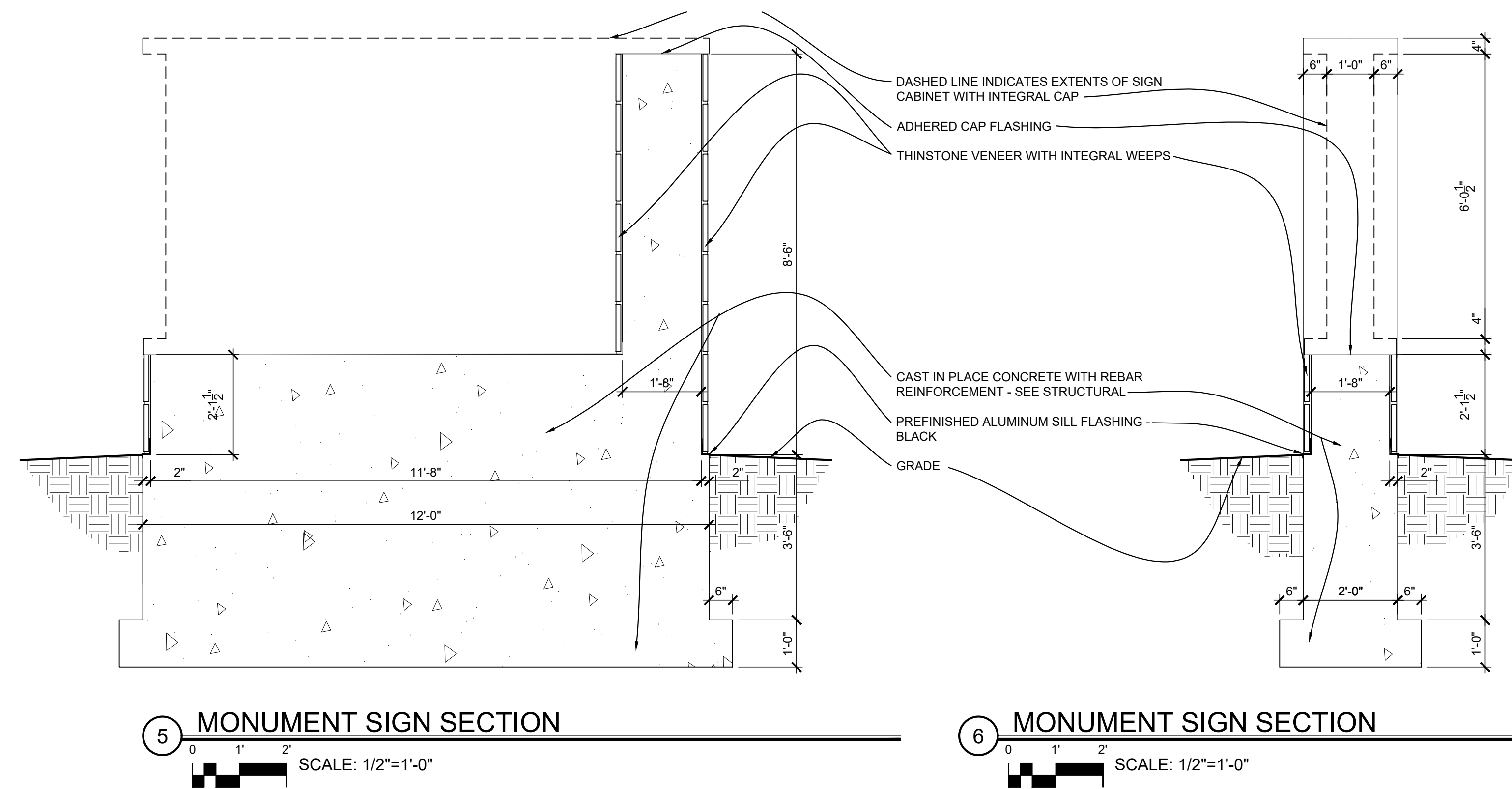
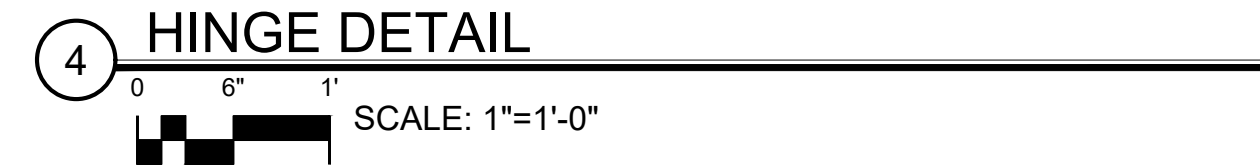
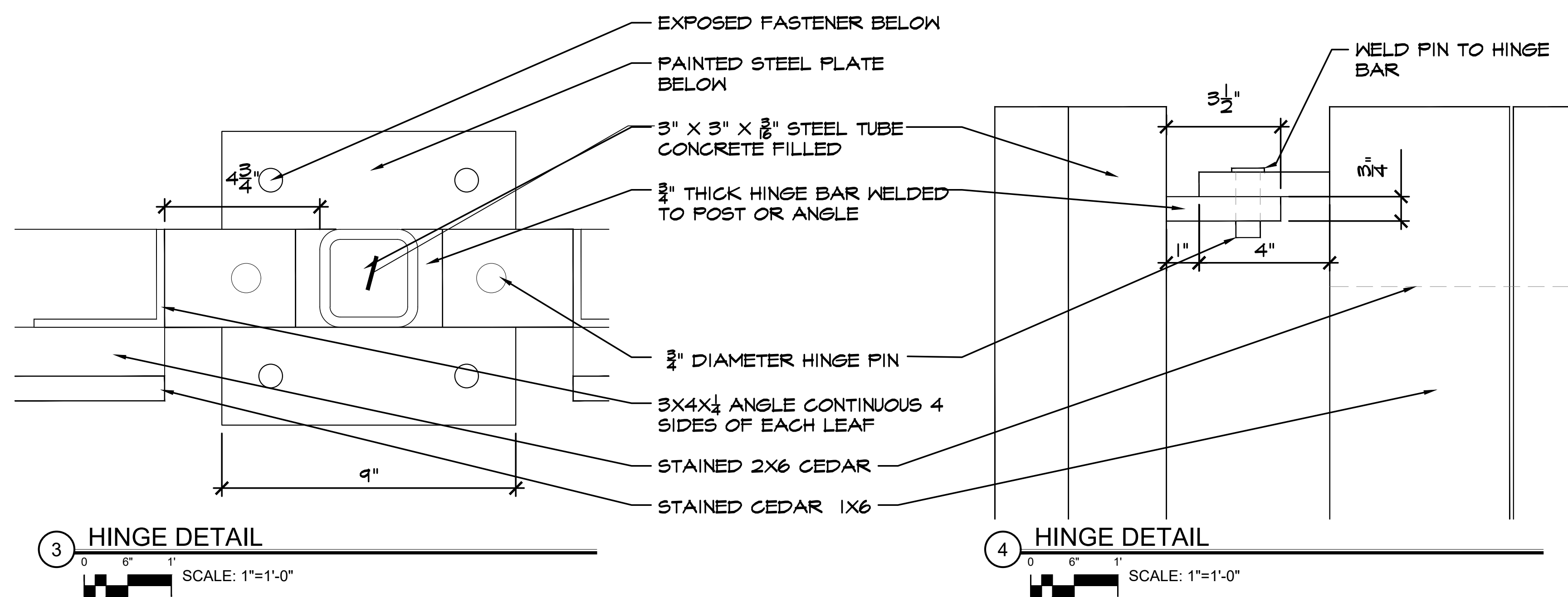
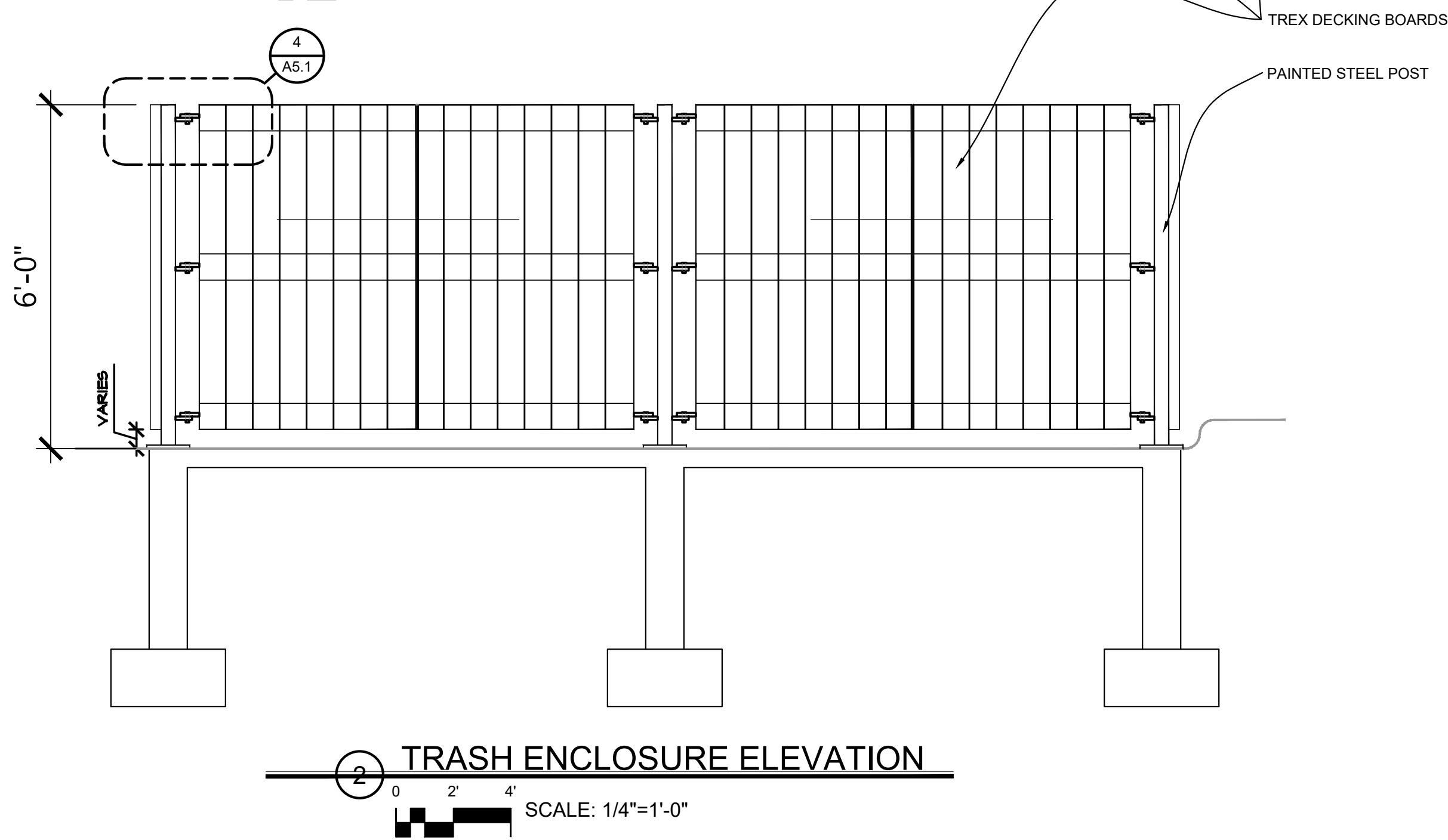
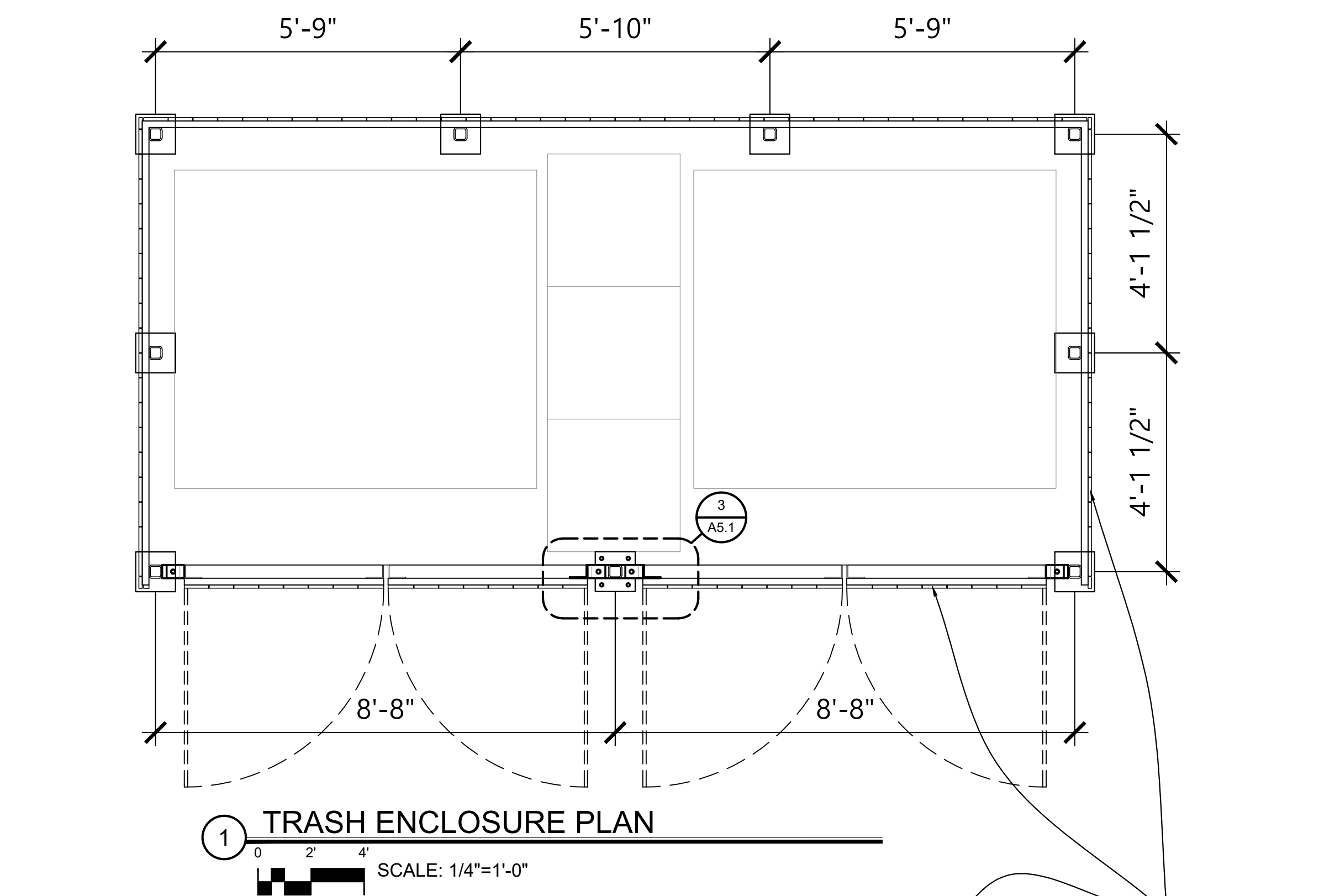
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PROJECT TITLE:
RIVER HILLS MALL
BUILDING ONE
MANKATO, MN 56001



Richard Stokes

[illegible]