

MAINE IF+W NATURE STORE & ADMIN OFFICE

56 Game Farm Rd, Gray, ME 04039
 ISSUED FOR BID BGS #3096
 DATE OF ISSUE: 04.23.2024



75 York Street
 Portland, Maine 04101
 simonsarchitects.com
 207.772.4656

PROJECT TEAM

ARCHITECT Simons Architects 75 York Street Portland, ME 04101 207.772.4656 Ryan Kanteres, AIA LEED AP ryan@simonsarchitects.com	M/E/P ENGINEER Bennett Engineering 7 Bennett Road/P.O. Box 297 Freeport, ME 04032 207.865.9475 Will Bennett will@bennettengineering.net	SPECIFICATIONS Keith Lowell Specifications Keith Lowell, President/Owner 207.406.4001 keith@lowellspecs.com
STRUCTURAL ENGINEER Thornton Tomasetti 14 York Street Portland, ME 04101 207.558.867 Christopher Williams cgwilliams@thorntomasetti.com Annavite Rand ARand@thorntomasetti.com	CIVIL ENGINEER Atlantic Resource Consultants 541 US-1 #21 Freeport, ME 04032 207.869.9050 Jason Vafiades JasonV@arc-maine.com	

- ALTERNATES**
- Alternate No. 1: Nature Store Shell.**
- Base Bid: Provide construction of the Nature Store shell with the exterior completed to Specification and Plans and the interior to have framing completed only. Bid shall not include insulation, drywall, ceilings, millwork, casework, heating and cooling, and electrical. Floor sealant and 200-amp electrical panel to remain in base bid.
 - Alternate: Provide everything to complete the interior to Specifications and plans
- Alternate No. 2: Nature Store ERV-1.**
- Base Bid: Do not provide Nature Store ERV-1.
 - Alternate: Provide Nature Store ERV-1, associated ductwork and power requirements as indicated in the Contract Documents.
- Alternate No. 3: Nature Store Shelving.**
- Base Bid: Do not provide Nature Store Shelving.
 - Alternate: Provide Nature Store Shelving as indicated in the Contract Documents.
- Alternate No. 4: Cedar Siding.**
- Base Bid: Provide pine siding as indicated in the Contract Documents.
 - Alternate: Provide cedar siding in lieu of pine siding as indicated in the Contract Documents.
- Alternate No. 5: Mud Room Millwork.**
- Base Bid: Do not provide Mud Room Millwork.
 - Alternate: Provide Mud Room Millwork as indicated in the Contract Documents.

DRAWING LIST

SHEET NO.	SHEET NAME	ISSUE 01 - 04/23/2024	Discipline
GENERAL			
G001	COVER SHEET	•	GENERAL
G002	TYPICAL MOUNTING	•	GENERAL
G101	LIFE SAFETY PLAN + CODE SUMMARY	•	GENERAL
CIVIL			
C-101	SITE LAYOUT AND UTILITIES PLAN	•	CIVIL
ARCHITECTURAL			
A000	ASSEMBLY TYPES	•	ARCHITECTURAL
A101	CONSTRUCTION PLAN - LEVEL 01	•	ARCHITECTURAL
A102	ROOF PLAN	•	ARCHITECTURAL
A121	FINISH PLAN - LEVEL 01	•	ARCHITECTURAL
A131	REFLECTED CEILING PLAN - LEVEL 01	•	ARCHITECTURAL
A140	INTERIOR ELEVATIONS	•	ARCHITECTURAL
A141	INTERIOR ELEVATIONS	•	ARCHITECTURAL
A142	INTERIOR ELEVATIONS	•	ARCHITECTURAL
A201	EXTERIOR ELEVATIONS	•	ARCHITECTURAL
A301	BUILDING SECTIONS	•	ARCHITECTURAL
A311	WALL SECTIONS	•	ARCHITECTURAL
A312	WALL SECTIONS	•	ARCHITECTURAL
A313	WALL SECTIONS	•	ARCHITECTURAL
A401	PLAN DETAILS	•	ARCHITECTURAL
A402	PLAN DETAILS	•	ARCHITECTURAL
A411	VERTICAL DETAILS	•	ARCHITECTURAL
A412	VERTICAL DETAILS	•	ARCHITECTURAL
STRUCTURAL			
S100	GENERAL NOTES	•	STRUCTURAL
S101	FOUNDATION PLAN	•	STRUCTURAL
S102	ROOF FRAMING PLAN	•	STRUCTURAL
S201	WALL SECTIONS	•	STRUCTURAL
S202	FRAMING SECTIONS & TRUSS ELEVATIONS	•	STRUCTURAL
ELECTRICAL			
E101	LIGHTING PLAN	•	ELECTRICAL
E201	POWER PLAN	•	ELECTRICAL
E301	ELECTRICAL NOTES, LEGEND & DETAILS	•	ELECTRICAL
MECHANICAL			
M101	MECHANICAL PLAN	•	MECHANICAL
M201	PLUMBING PLAN	•	MECHANICAL
M301	SCHEDULES	•	MECHANICAL
M401	LEGEND AND DETAILS	•	MECHANICAL
M402	HEAT PUMP SCHEMATIC DETAILS	•	MECHANICAL

MATERIALS AND SYMBOLS

COURSE GRAVEL CONCRETE STONE EARTH/COMPACT FILL GLASS GYPSUM PLASTER PLYWOOD FINISH WOOD ROUGH WOOD BLOCKING WOOD CONCRETE MASONRY BRICK MASONRY SAND/FINE GRAVEL DENSE PAK CELLULOSE INSULATION SPRAY FOAM INSULATION BATT INSULATION XPS INSULATION EPS INSULATION	<p>AP-000 APPLIANCE / EQUIPMENT / ACCESSORY</p> <p>X AXXX BUILDING SECTION</p> <p>X AXXX BUILDING ELEVATION</p> <p>ACP-000 X-X AFF CEILING - TYPE AND HEIGHT</p> <p>HIGHER LOWER CEILING HEIGHT CHANGE</p> <p>C CENTER LINE</p> <p>X COLUMN REFERENCE LINE</p> <p>X AXXX DETAIL CALL OUT</p> <p>X AXXX DETAIL SECTION</p> <p>101A DOOR TAG</p>	<p>DOOR - NEW</p> <p>DOOR - EXISTING</p> <p>WD-0 FLOOR FINISH</p> <p>FLOOR FINISH TRANSITION</p> <p>INTERIOR ELEVATION(S)</p> <p>M4 01 PARTITION TAG</p> <p>000.0 PLUMBING FIXTURE</p> <p>TOP OF FIN. FLOOR EL. + X'-X" PROPOSED ELEVATION</p> <p>1 REVISION REFERENCE</p> <p>PT00 WALL FINISH</p> <p>PT00 PT00 WALL/BASE FINISH</p> <p>NO. WINDOW TAG</p>
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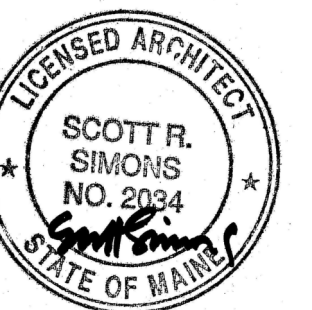
ABBREVIATIONS

AB ANCHOR BOLT ACCESS ACCESSORY ACOUS ACOUSTICAL(AL) ACT ACOUSTICAL CEILING TILE ADJ ADJACENT AFF ABOVE FINISHED FLOOR ALT ALTERNATE ALUM ALUMINUM ANOD ANODIZED AP ACCESS PANEL APPL APPLIANCE APV ASPHALT PAVER ARCH ARCHITECT(URAL) AUTO AUTOMATIC AVG AVERAGE BD BOARD BF BOTTLE FILLER BIT BITUMINOUS BLDG BUILDING BLKG BLOCKING BM BENCHMARK BRG BEARING CAB CABINET CB CATCH BASIN CEM CEMENT(ITIOUS) CF CUBIC FEET CG CORNER GUARD CIP CAST-IN-PLACE CJ CONTROL JOINT CLG CEILING CLO CLOSET CMU CONCRETE MASONRY UNIT CO CLEAN OUT CONC CONCRETE CONSTR CONSTRUCTION	CONT CONTINUOUS(ATION) COORD CORRDIANATE(ED) CPT CARPET CRS COURSE DBL DOUBLE DEFL DEFLECTION DEMO DEMOLITION DET DETAIL DF DRINKING FOUNTAIN DIA DIAMETER DIFF DIFFUSER DIM DIMENSION DISP DISPENSER DN DOWN DR DOOR DWG DRAWING(S) EA EACH EF EXHAUST FAN EJ EXPANSION JOINT EL ELEVATION EMBED EMBEDD(ED)(ING) ENTR ENTRANCE EQ EQUAL EQUIP EQUIPMENT EXIST / EXT'G EXISTING FBO FURNISHED BY OWNER FCO FLOOR CLEAN OUT FD FLOOR DRAIN FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER AND CABINET FG FIBERGLASS FHC FIRE HOSE AND CABINET	FIN FINISH FLR FLOORING FOS FACE OF STUD FR FIRE RAT(ING)(ED) FRP FIBERGLASS REINFORCED PLASTIC FXD FIXED GA GAUGE GAL GALLON GALV GALVANIZED GC GENERAL CONTRACTOR GL GLASS GR GRANITE GWB GYPSUM WALL BOARD HC HOLLOW CORE HD HIGH DENSITY HDWD HARDWOOD HDWR HARDWARE HM HOLLOW METAL HORIZ HORIZONTAL HVAC HEATING, VENTILATING, AND AIR CONDITIONING ID INSIDE DIAMETER INCL INCLUD(ING) INSUL INSULATION INT INTERIOR INV INVERT JAN JANITOR JT JOINT KIT KITCHEN LAM LAMINATE(D)	LAV LAVATORY LCC LEAD COATED COPPER LF LINEAR FOOT/FEET LT LIGHT MAS MASONRY MEMB MEMBRANE MET METAL MEZZ MEZZANINE MFD MANUFACTURED MFR MANUFACTURER MH MANHOLE MISC MISCELLANEOUS MLWK MILLWORK MO MASONRY OPENING MOIST MOISTURE MOLD MOLDING MOT (MOTORIZED) MR MOISTURE RESISTANT MTD MOUNTED MTRL MATERIAL NIC NOT IN CONTRACT NTS NOT TO SCALE OFCI OWNER FURNISHED, CONTRACTOR INSTALLED OPNG OPENING(S) OPR OPERABLE OVHD OVERHEAD PL PLATE PLAM PLASTIC LAMINATE PLAS PLASTER PLSTC PLASTIC PLYWD PLYWOOD PNL PANEL	PREFAB PREFABRICATED PREFIN PREFINISHED PT PAINT PVMT PAVEMENT RD ROOF DRAIN RDL ROOF DRAIN LEADER RECES RECESSED RECPT RECEPTACLE REF REFER(ENCE) REFR REFRIGERATOR REINF REINFORCED(D)(ING)(MENT) REQD REQUIRED RESIL RESILIENT RESIS RESIST(ANT)(IVE) RFG ROOFING RM ROOM RO ROUGH OPENING SAFB SOUND ATTENUATION FIRE BATT (BRACKET) SAN SANITARY SCR SCRIBE SD STORM DRAIN SECT SECTION SIM SIMILAR SPEC SPECIFICATION(S) SS STAINLESS STEEL STD STANDARD STL STEEL STRUCT STRUCTURAL SURF SURFACE SUSP SUSPENDED SYS SYSTEM(S) T&G TONGUE AND GROOVE	THK THICK TLT TOILET TRANS TRANSPARENT TRTD TREATED TYP TYPICAL UNDRLAY UNDERLAYMENT UNO UNLESS NOTED OTHERWISE UTIL UTILITY VERT VERTICAL VIF VERIFY IN FIELD W/O WITHOUT WC WATER CLOSET WD WOOD WDW WINDOW WT WEIGHT WTRPRF WATERPROOFING
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MAINE IF+W NATURE STORE & ADMIN OFFICE

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SEAL:



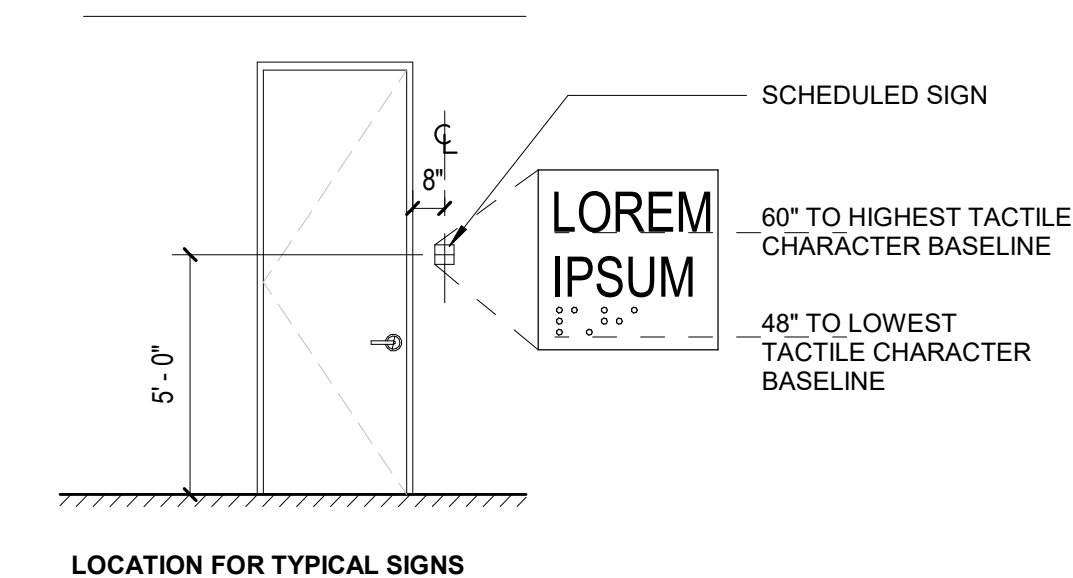
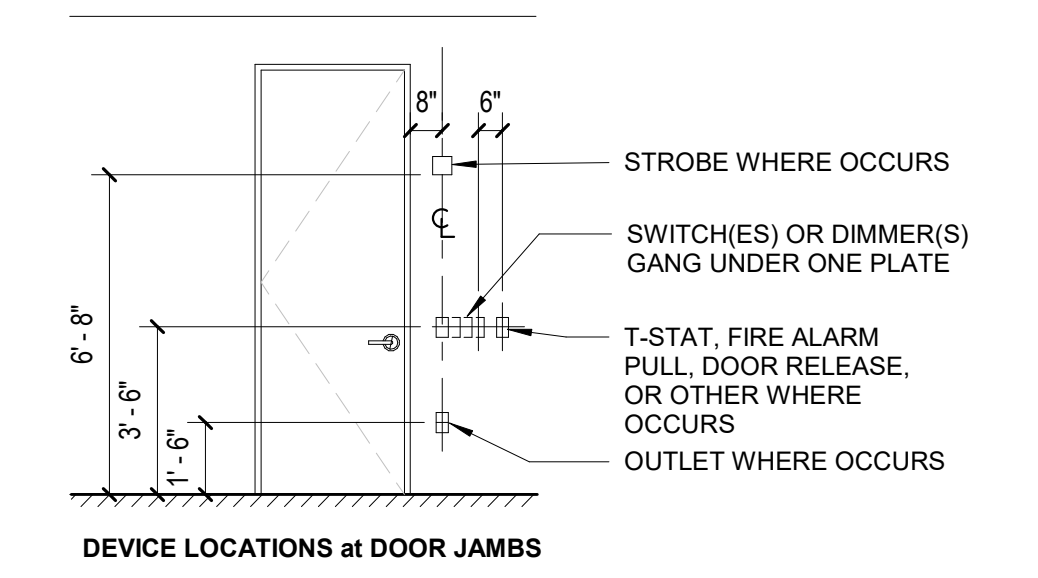
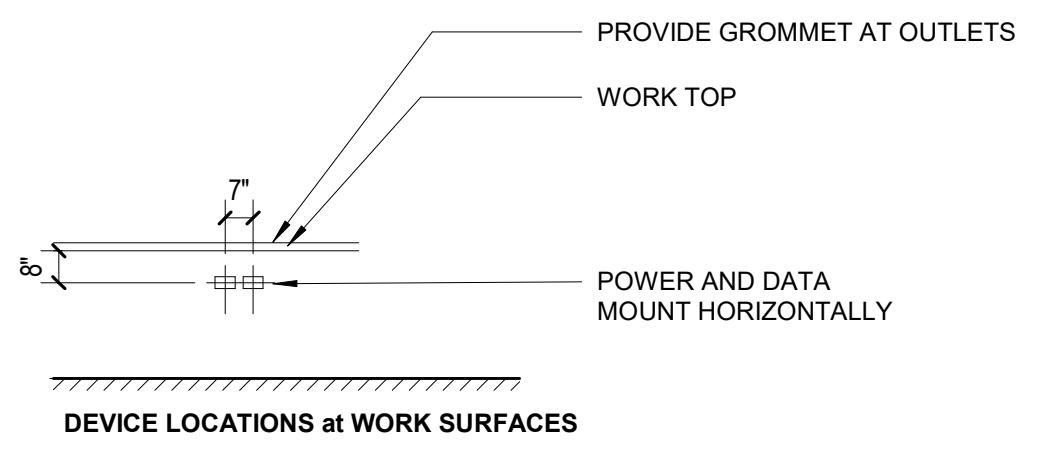
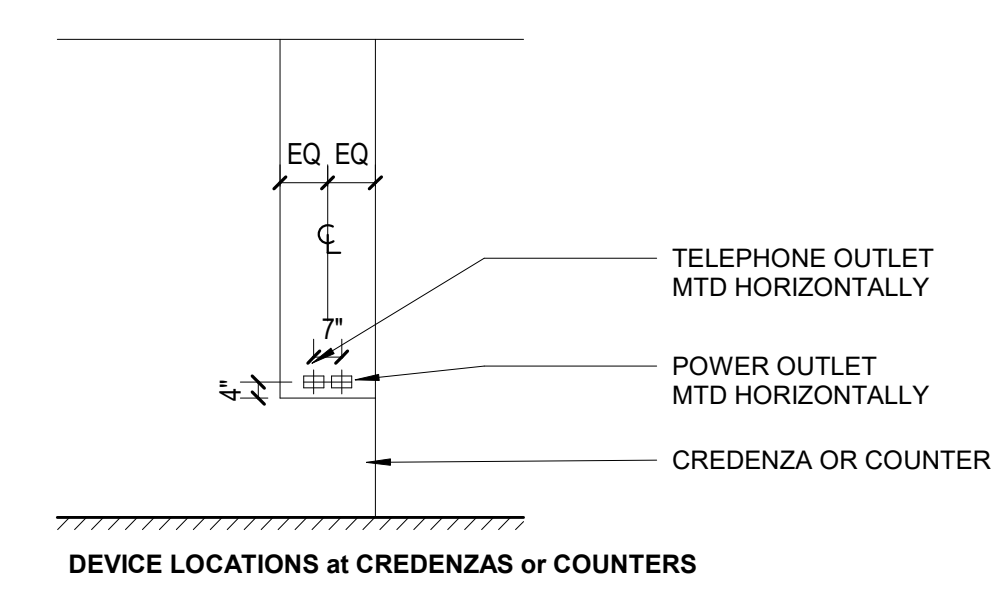
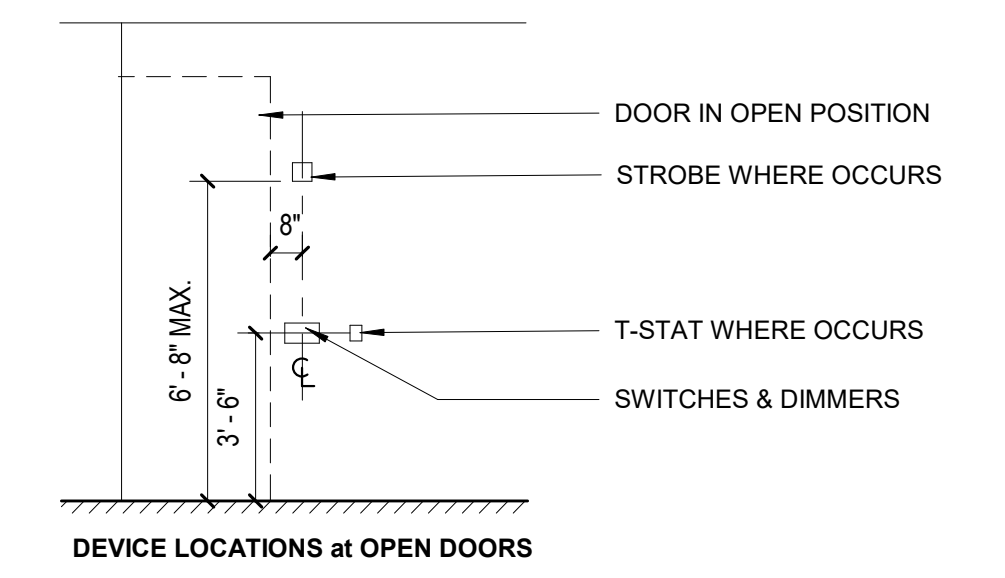
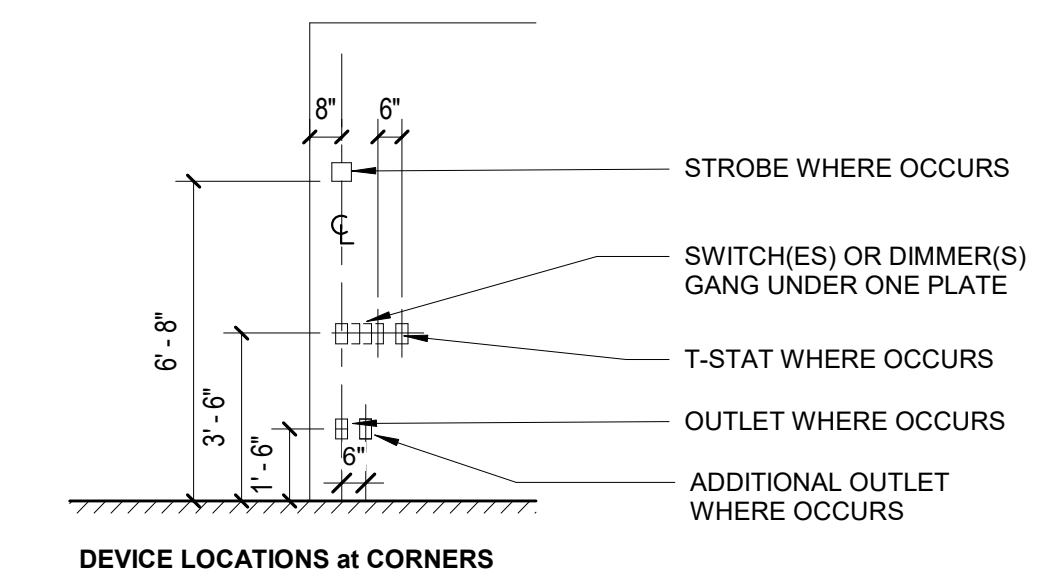
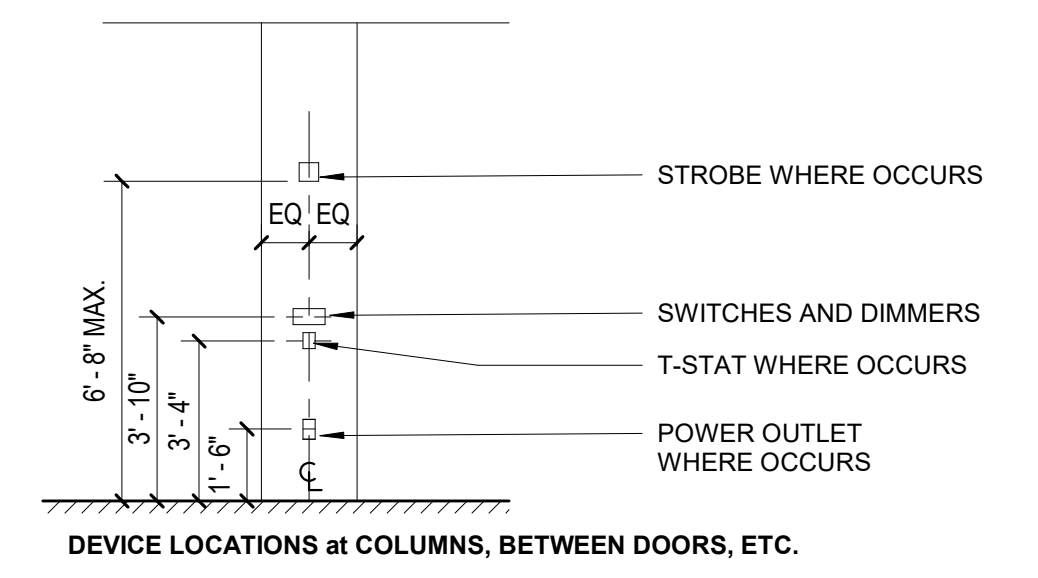
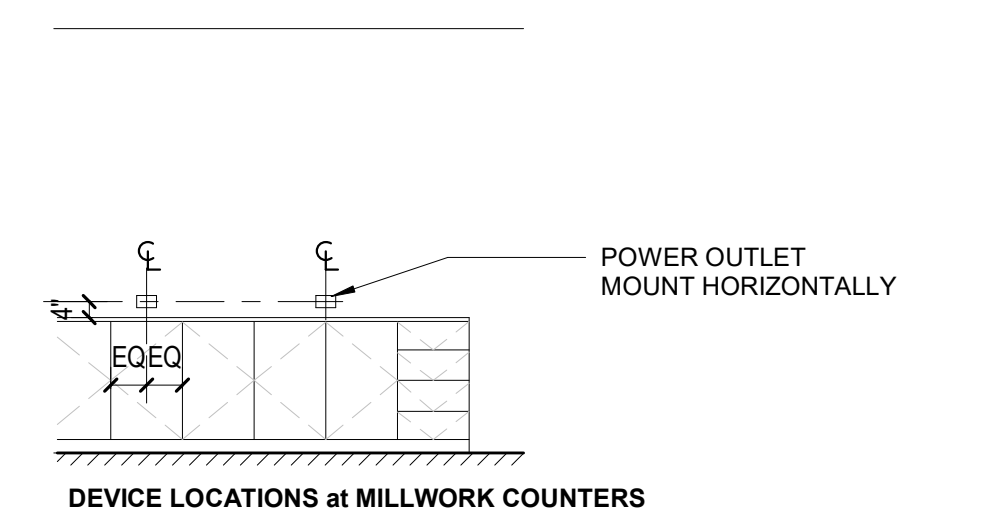
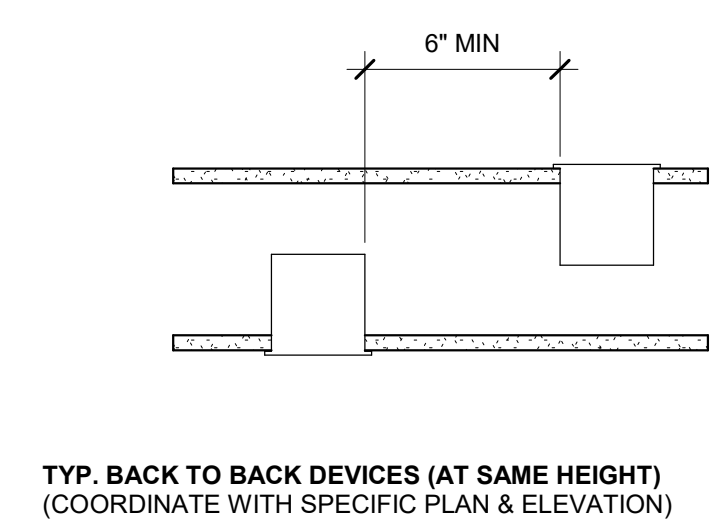
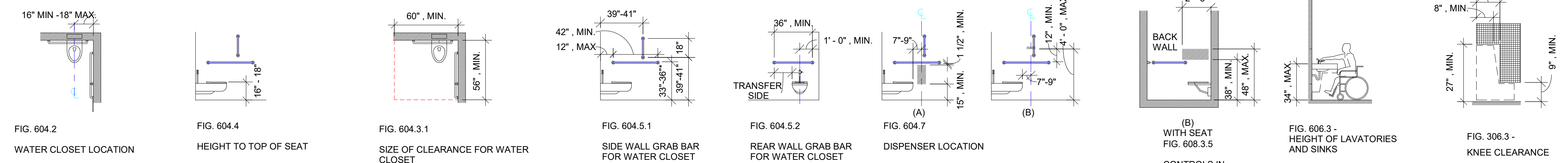
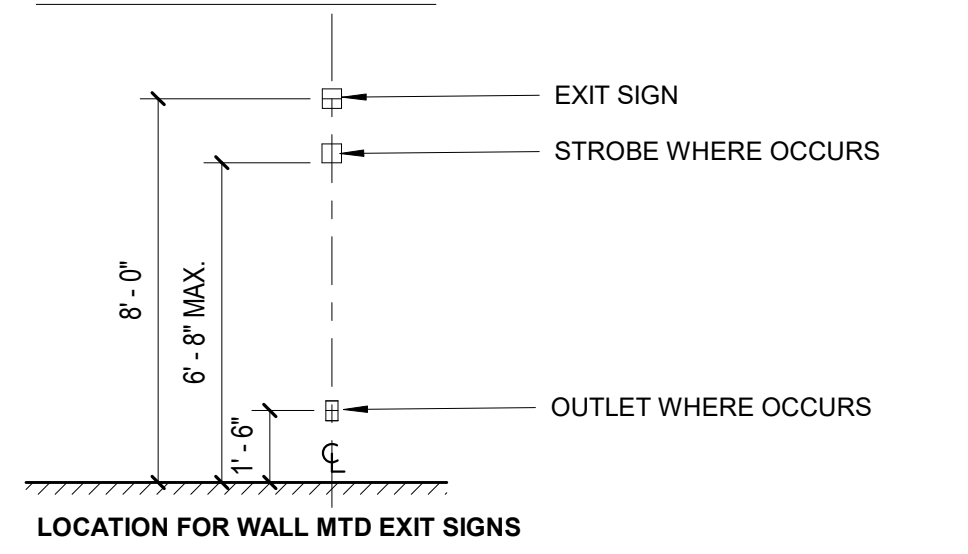
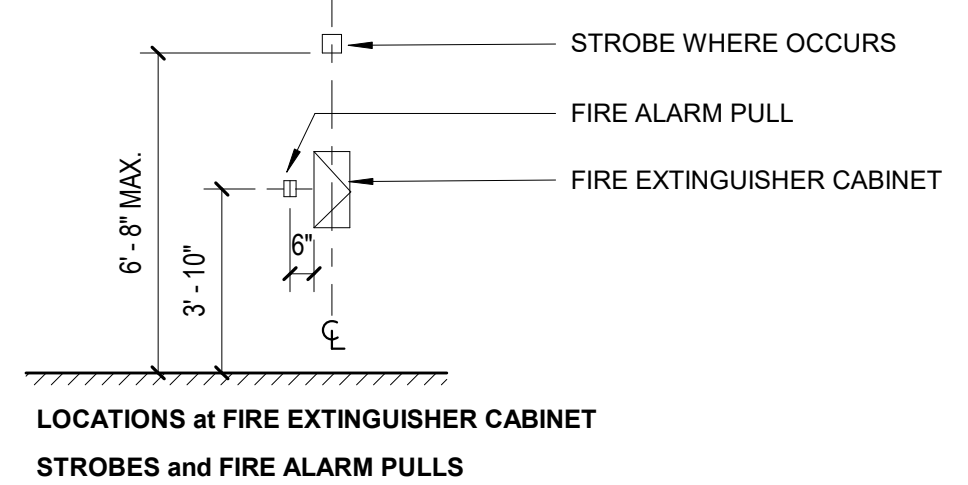
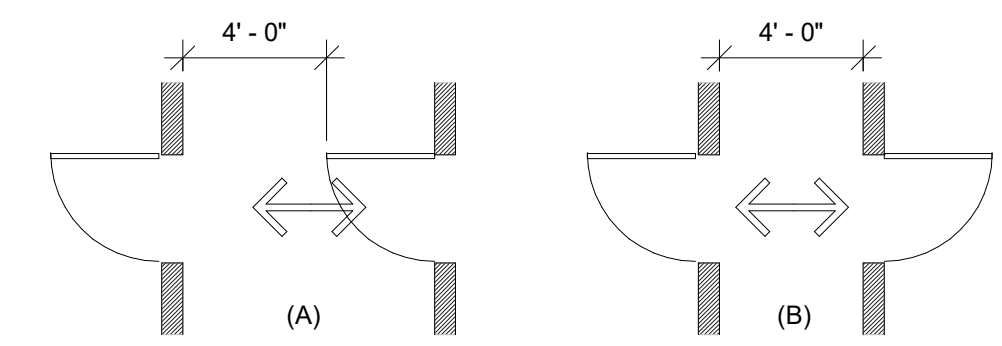
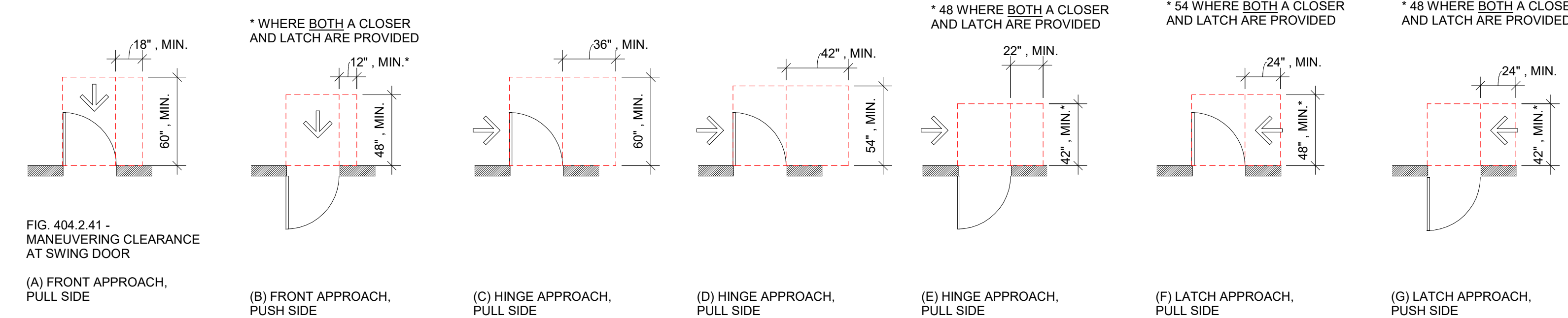
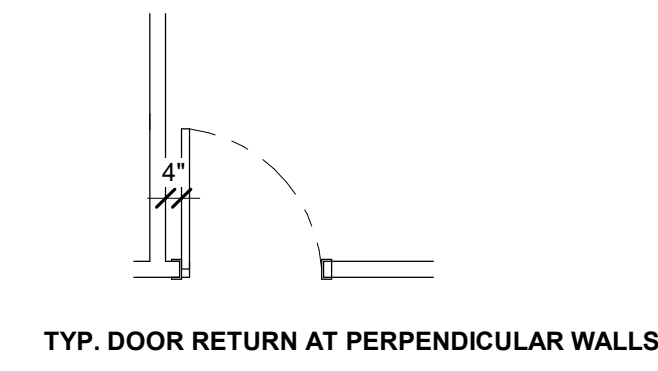
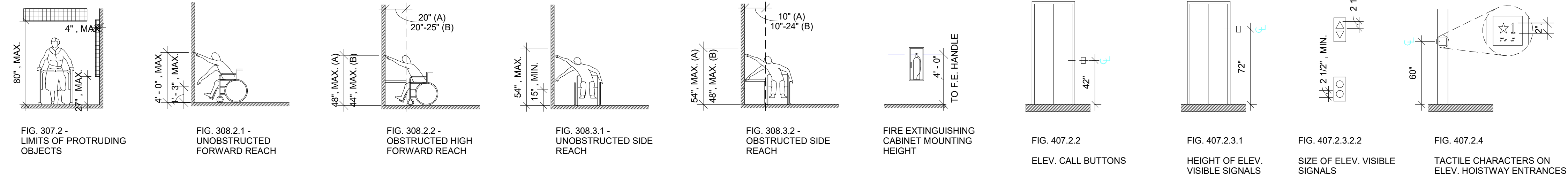
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REVISIONS

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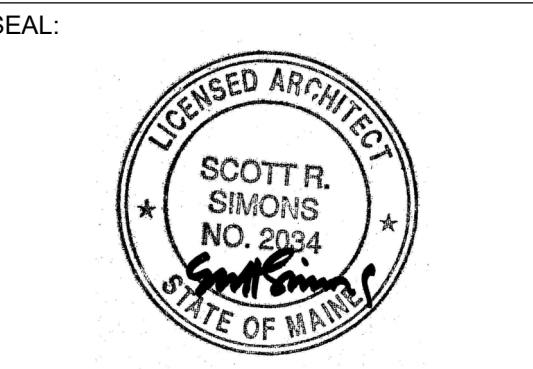
COVER SHEET

G001



NOTES:
 A. CONTRACTOR TO COORDINATE LOCATION OF STUDS IN PARTITION TO ACHIEVE INTENT. PROVIDE ADDITIONAL STUDS/BRACING AS NEEDED. PROVIDE SOUNDLINERS AT DEVICE BACK BOXES WHERE DEVICES ARE LOCATED IN PARTITIONS WITH INSULATION.
 B. DIMENSIONS ARE TO CENTER LINE OF DEVICES. TYP. FIRE STROBE DIMENSION IS TO THE BOTTOM OF THE DEVICE.
 C. TOP OF ACCESSIBLE DEVICES NOT TO EXCEED 48" AFF.
 D. BOTTOM OF ACCESSIBLE DEVICES TO BE NO LOWER THAN 18".
 E. ALL DEVICES WITHIN 6'-0" OF ANOTHER TO BE ALIGNED PER THE DIAGRAMS ON THIS PAGE.

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 NATURE STORE
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REVISIONS

NO.	DESCRIPTION

DATE OF ISSUE: 04.23.2024
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TYPICAL MOUNTING

G002



75 York Street
Portland, Maine 04101
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LIFE SAFETY PLAN LEGEND:

- ### USE TYPE, (###) DENOTES ACCESSORY USE
- ### OCC OCCUPANTS
- ### SF ROOM AREA
- ### OCC OCCUPANT EGRESS LOAD AT DOOR/STAIR
- ### DOOR/STAIR OCCUPANT CAPACITY
- ↓ DIRECTION OF EGRESS
- X EXIT KEY
- X XXX DISTANCE TO EXIT
- [XXX-X'] DIAGONAL / SEPARATION DISTANCE
- [XXX-X'] PATH OF EGRESS (LEG DISTANCE)
- 1-HOUR FIRE RATED SEPARATION WITH 1 HOUR OPENINGS
- 2-HOUR RATING
- SMOKE SEPARATION WITH 20 MINUTE OPENINGS
- FE FIRE EXTINGUISHER
- ⊙ ILLUMINATED EXIT SIGN (WALL MOUNTED)
- ⊙ ILLUMINATED EXIT SIGN (CEILING MOUNTED)
- ⊙ SMOKE/FIRE DETECTOR
- K KNOX BOX
- P FIRE ALARM PULL STATION
- ⊠ FIRE ALARM STROBE ONLY
- ⊠ FIRE ALARM HORN / STROBE
- ⊠ FIRE ALARM HORN / STROBE (CEILING MOUNTED)
- ⊕ EMERGENCY LIGHT
- ⊕ COMBINATION EMERGENCY LIGHT / EXIT SIGN
- FACP FIRE ALARM CONTROL PANEL

CODE SUMMARY:

APPLICABLE CODES
*NOTE: All Codes shall include changes/amendments by the State of Maine
Maine Uniform Building and Energy Code "MUBEC" consisting of the following applicable codes:
2015 International Building Code (IBC) Commercial Building Code
2015 International Energy Conservation Code (IECC)
2015 International Residential Code (IRC) Residential Building Code
2015 Plumbing Code
2020 National Electrical Code (NFPA 70)
Indoor Commercial Ventilation Code / ASHRAE 62.1, 2013 (Standards)
Indoor Residential Ventilation Code / ASHRAE 62.1, 2013 (Standards)
State of Maine Subsurface Wastewater Disposal Rules (ed. Jan 1
Residential Radon Code ASTM E 1465 (Standards)
Elevator Standards pursuant to 32 M.S.R. 15206, ASME A17.1 2007 Ed.

FIRE & LIFE SAFETY
NFPA Life Safety Code as adopted by the State of Maine
Including but not limited to:
2018 NFPA 001: Fire Code
2018 NFPA 101: Life Safety Code

ACCESSIBILITY
2010 ADA Standards for Accessible Design

OCCUPANCY CLASSIFICATION
(IBC Sec 302, 303, 304, 508.3.1) (NFPA 101 6.1.14.3.2)
Mercantile M
Business B

AUTOMATIC SUPPRESSION SYSTEM
Not Included

CONSTRUCTION TYPE
(IBC Sec. 602, NFPA 220)
VB - Non-Protected Wood Frame (IBC)
0, 0, 0 (NFPA)

GENERAL BUILDING INFORMATION AND ALLOWABLE BUILDING HEIGHTS AND AREA
(IBC Table 504.3, 504.4, 506.2)

	Proposed	Allowable
Building Height:	22' - 9 1/2" (To Ridge)	40'
Building Stories:	1 Story (M Dictates)	1
Total Area:	3,574 Sqft	9,000 SF
Perimeter:	Nature Store 177' Ticketing 48'-6" Admin Office 192'	Total 315' - 6"

REQUIRED OCCUPANCY SEPARATIONS

(IBC Table 508.4)
Separation is not required between occupancy use types.

FIRE RESISTIVE RATINGS	TYPE
(IBC Table 601) (NFPA Table A.8.2.1.2)	VB
STRUCTURAL FRAME	0
BEARING WALLS, EXTERIOR AND INTERIOR	0
NON-BEARING WALLS AND PARTITIONS, EXTERIOR	0
NON-BEARING WALLS AND PARTITIONS, INTERIOR	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

OCCUPANCY LOAD

(IBC Table 1004.1.2), (NFPA 101 Table 7.3.1.2)
Mercantile M 60 Gross Sqft per Occupant
Business B 100 Gross Sqft per Occupant
Accessory Storage (controlled access) 300 Gross Sqft per Occupant
Mechanical (controlled access) 300 Gross Sqft per Occupant

MEANS OF EGRESS

(IBC Chapter 10)

EGRESS WIDTH PER OCCUPANT

(IBC 1005.1)(NFPA)
0.2 Inches for other egress components

EXIT ACCESS

egress travel distance
(IBC 1017.1 / NFPA 101 Table A.7.6)
egress travel distance / common path of travel
For Mercantile 200' max allowed
For Business 200' max allowed

common path of travel
For Mercantile 75' max allowed OL less than 30 non-sprinkled
For Business 100' max allowed OL less than 30 non-sprinkled

Corridor Fire Resistance

(IBC Table 1020.1)
0 hour w/ Business load <30 and "Exception 4" - Occupancy Group B only requires a single means of egress complying with section 1006.2.

Corridor Width

(IBC 1020.2)
Not less than 44"
Not less than 36" when less than 50 occupants

Dead-End Corridor

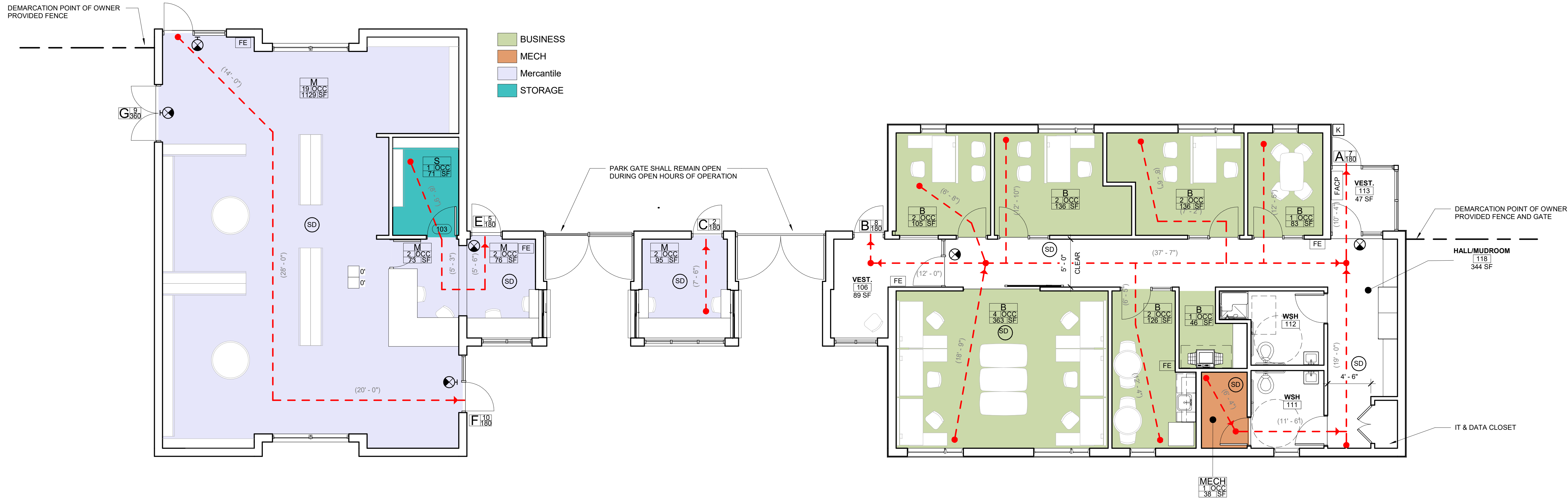
(IBC 1020.4) (NFPA 101 Table A.7.6)
For Business 20'
For Mercantile 20'

EGRESS CAPACITY - DOORS (IBC 1005.1, NFPA 101 TABLE 07.3.3.1)

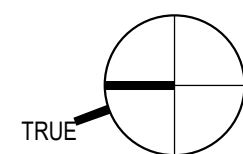
DOOR TAG	EGRESS WIDTH	CAPACITY		LOAD
		FACTOR	MAX	
A	36"	0.2	180	7
B	36"	0.2	180	8
C	36"	0.2	180	2
E	36"	0.2	180	5
F	36"	0.2	180	10
G	72"	0.2	360	9

LIFE SAFETY NOTES:

- THESE LIFE SAFETY PLANS ARE MEANT TO SHOW CONFORMANCE WITH THE REGULATIONS EXISTING AT THE TIME OF CONSTRUCTION, OR AS INDICATED IN THE CODE SUMMARY NOTES. THESE DOCUMENTS ARE A COMPILATION OF EXISTING CONSTRUCTION DOCUMENTS, EXISTING CONDITIONS AS OBSERVED IN THE FIELD, AND CURRENT PROGRAMMATIC USE STATEMENTS. THOUGH THE INTENT IS TO ACCURATELY REFLECT THE CURRENT CONDITIONS OF THE SCHOOL, AN AS-BUILT SURVEY WAS NOT CONDUCTED FOR THE COMPLETION OF THESE DRAWINGS; SOME CONDITIONS MAY DIFFER FROM THOSE SHOWN.
- SEE A000 FOR PARTITION TYPES
- SEE E SERIES DWGS FOR ADD'L FIRE ALARM AND FIRE PROTECTION SYSTEM INFORMATION
- SEE G002 FOR MOUNTING HEIGHTS OF DEVICES
- SEE E SERIES DWGS FOR DESIGNATION OF LIGHTS ON EMERGENCY CIRCUITS



1 FIRST FLOOR PLAN
3/16" = 1'-0"

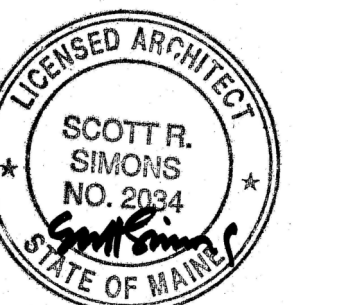


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SEAL:



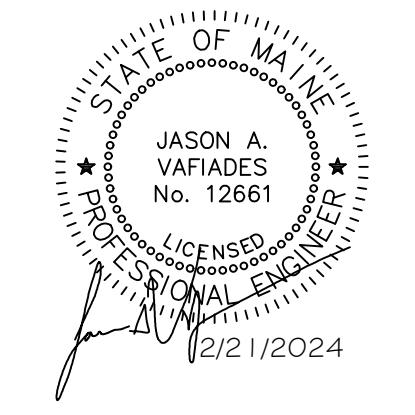
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REVISIONS

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**LIFE SAFETY
PLAN + CODE
SUMMARY**

G101



**IF & W NATURE
STORE AND OFFICE**

56 GAME FARMROAD
GRAY, MAINE 04039

ISSUED FOR
PRICING

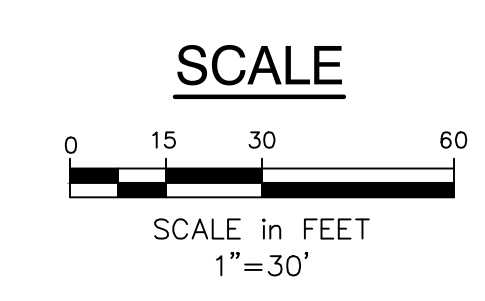
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REVISED PER PLANNING BOARD COMMENTS	DATE
1	11-23-20
2	12-08-20
3	2/16/24
4	2/21/24
5	
6	

SEPTEMBER 18, 2020
2020-0070
DESIGN DEVELOPMENT

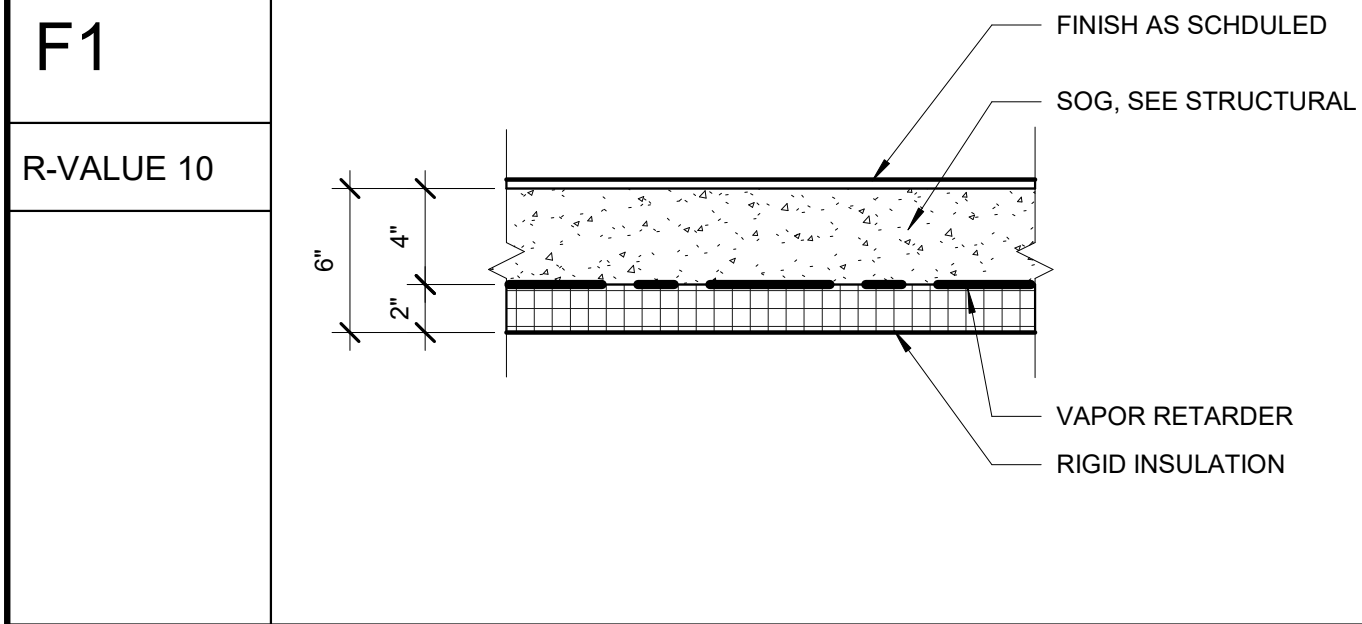
**SITE LAYOUT AND
UTILITIES PLAN**

C-101

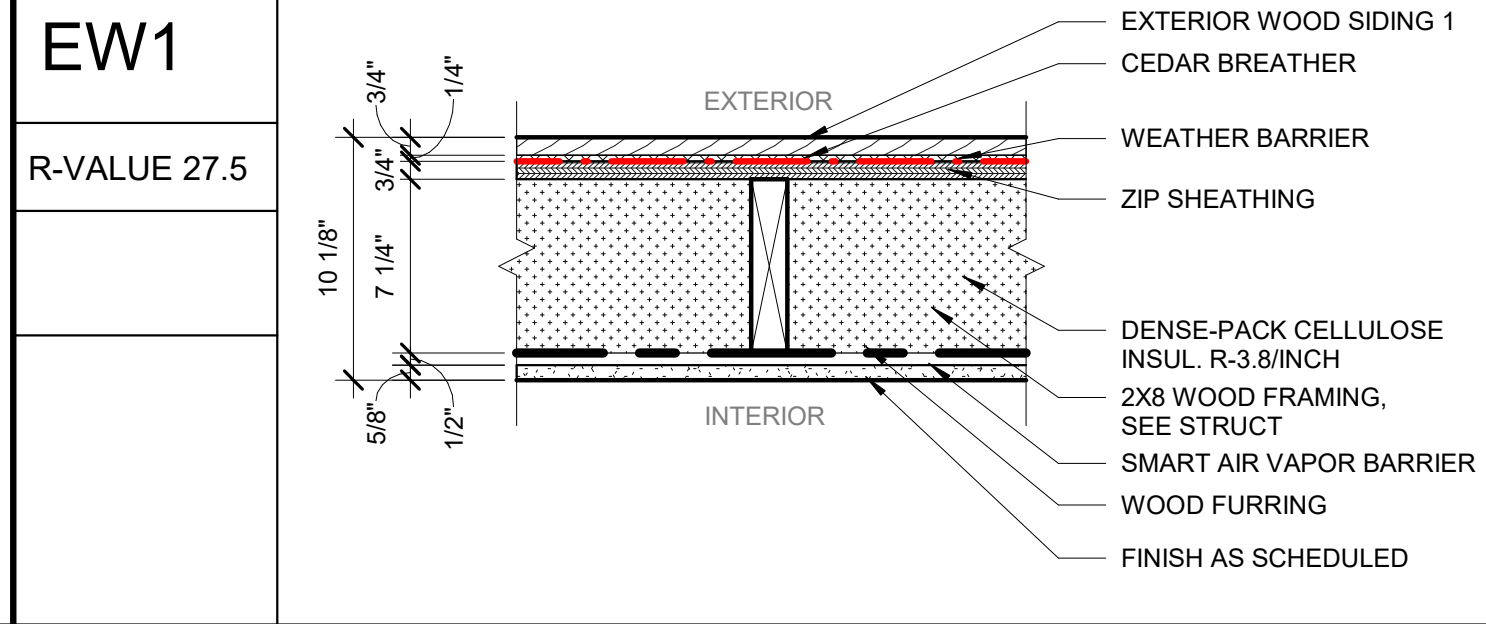


ASSEMBLY TYPES

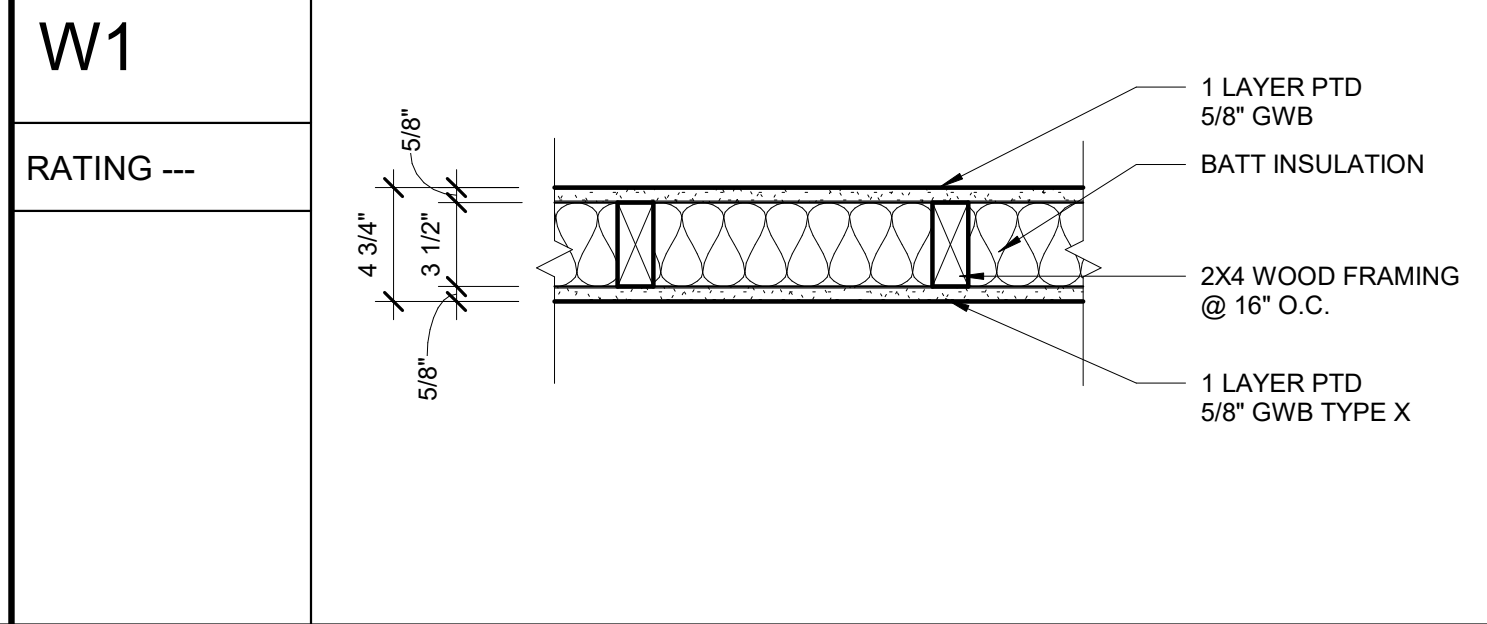
FLOORS



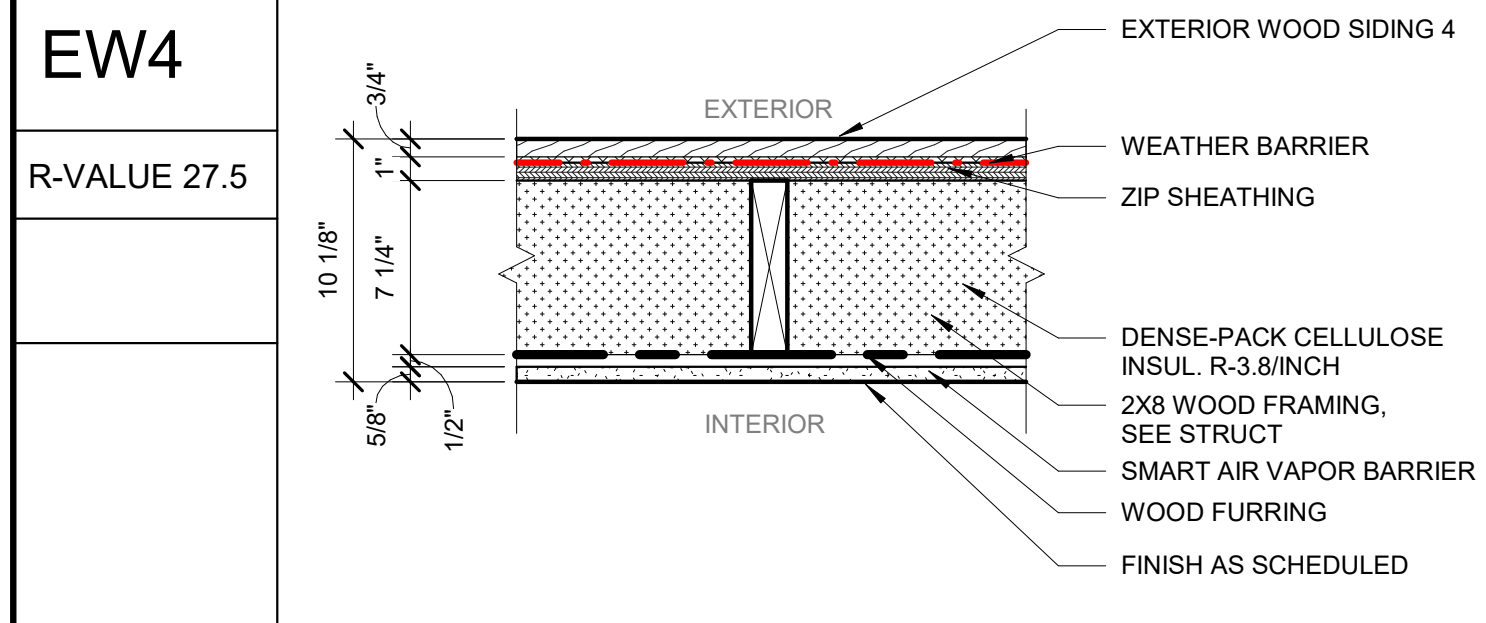
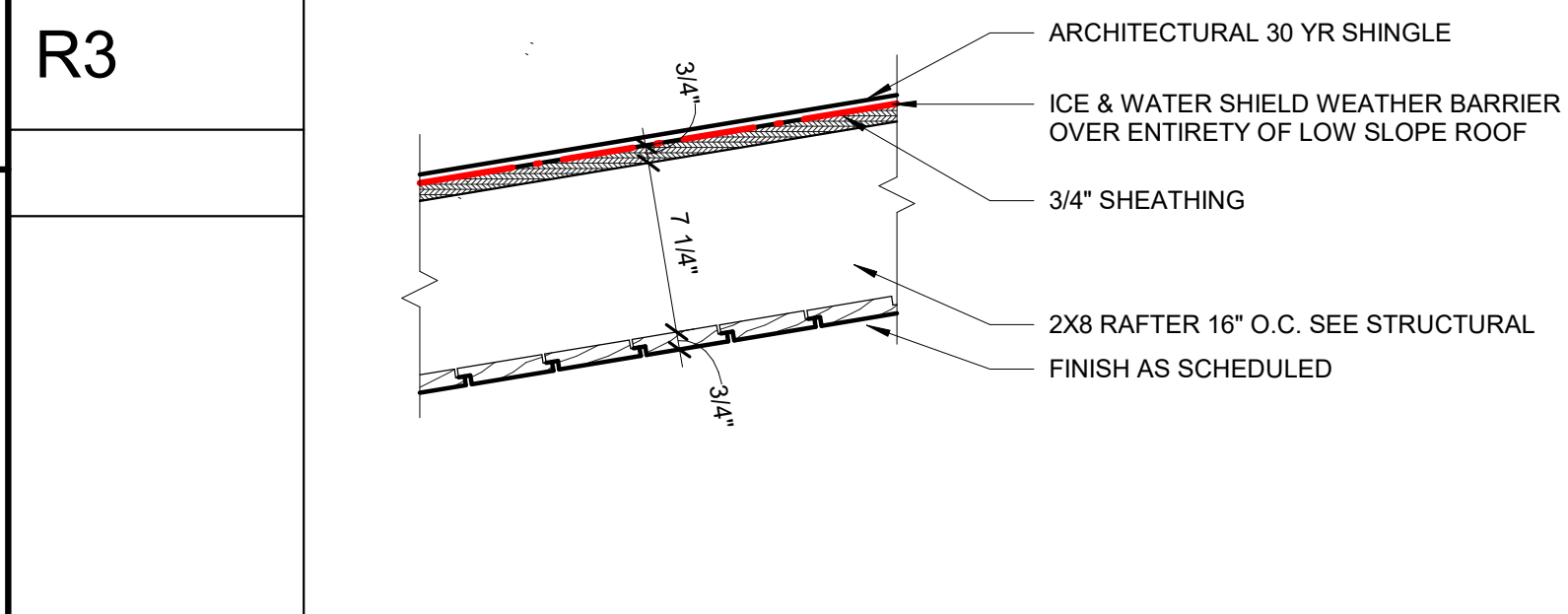
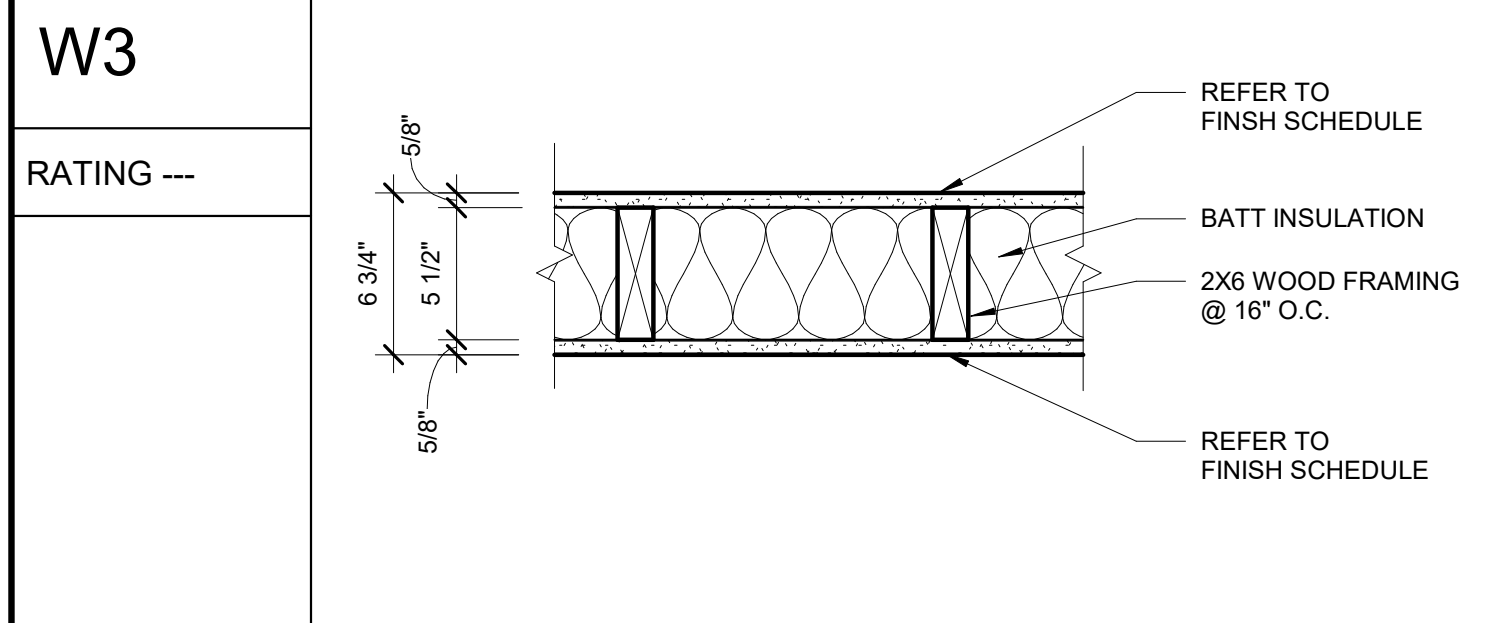
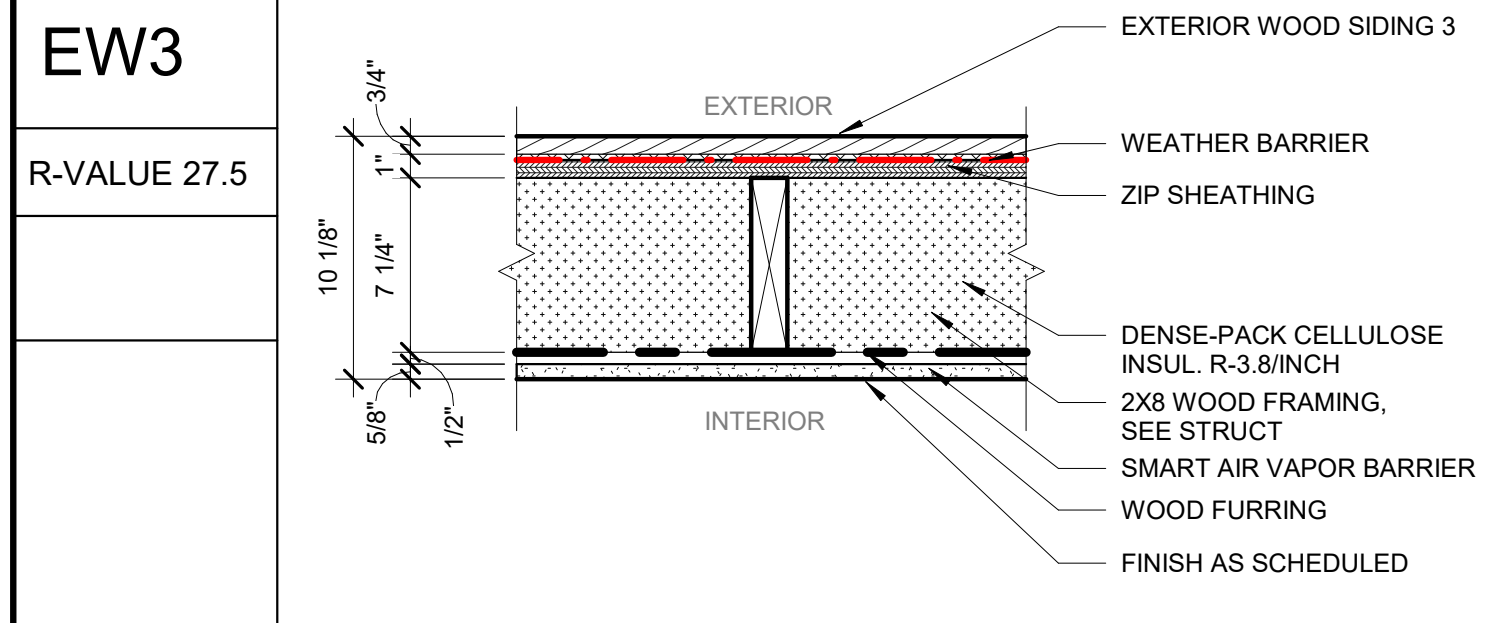
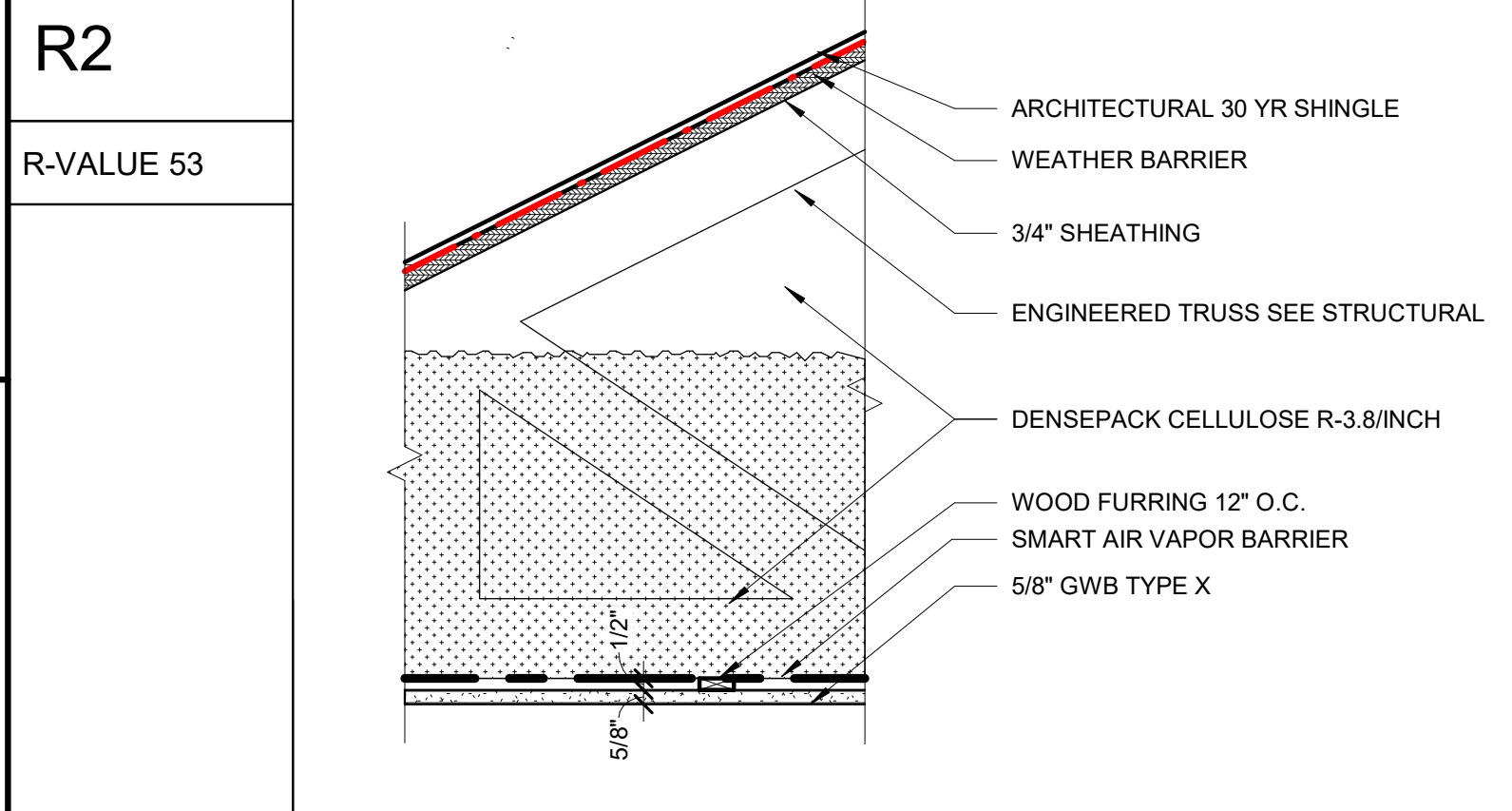
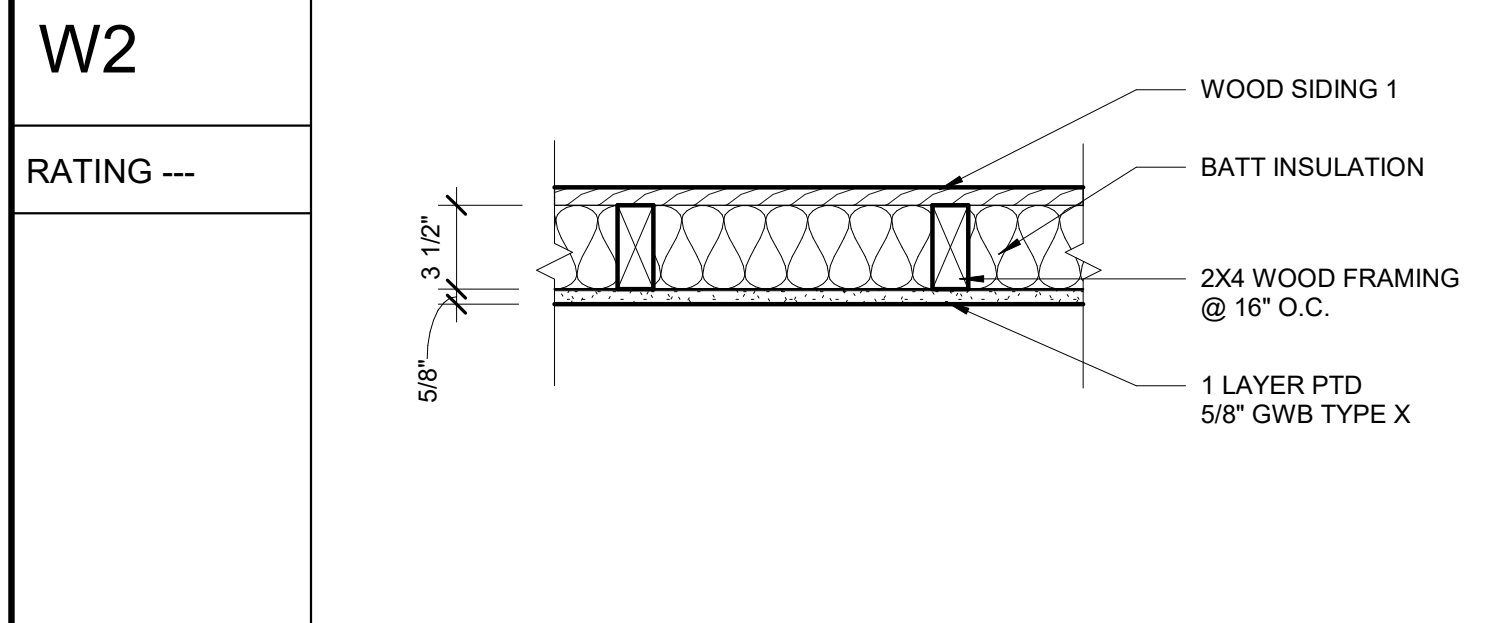
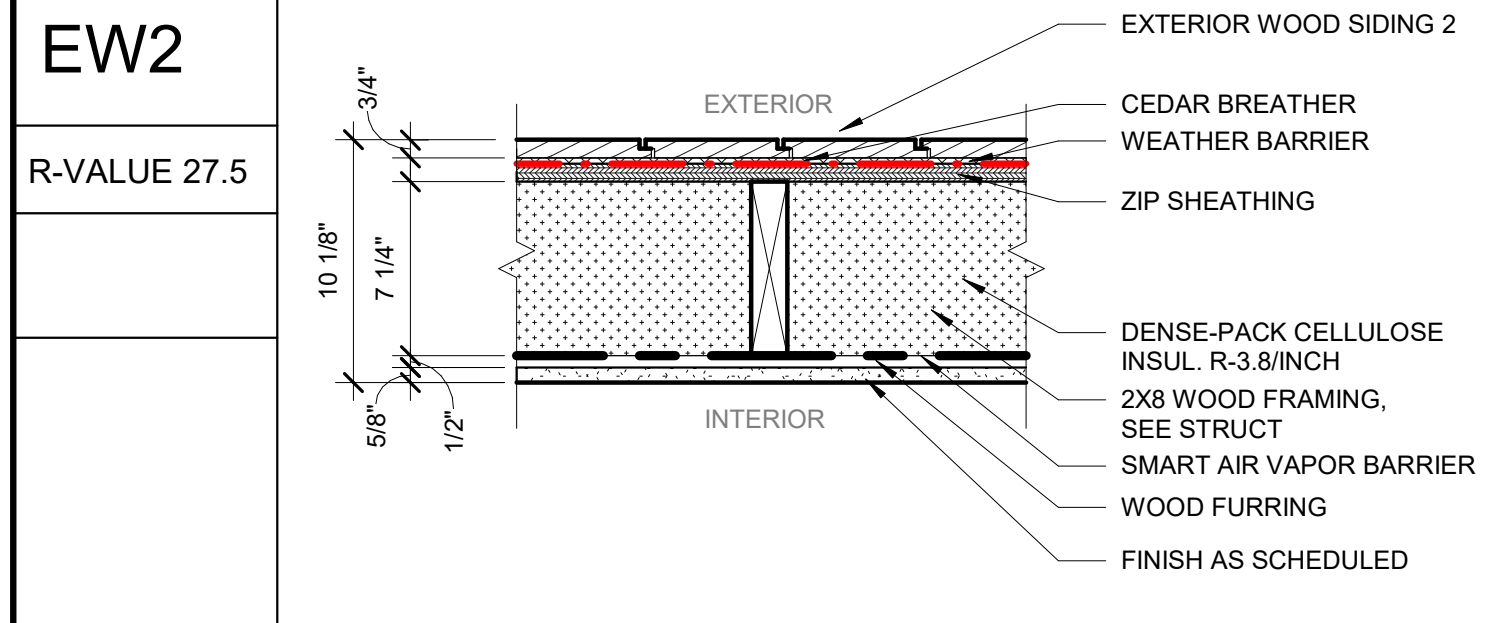
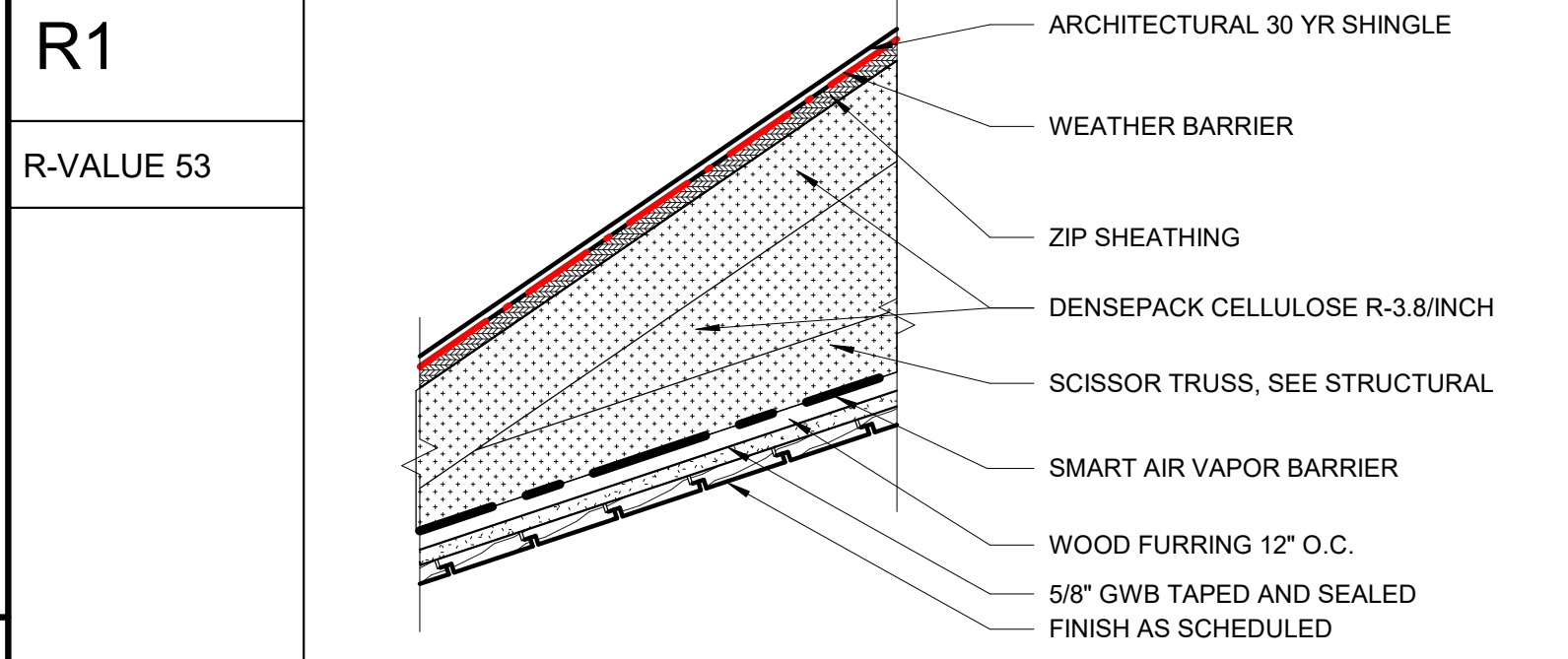
EXTERIOR PARTITIONS



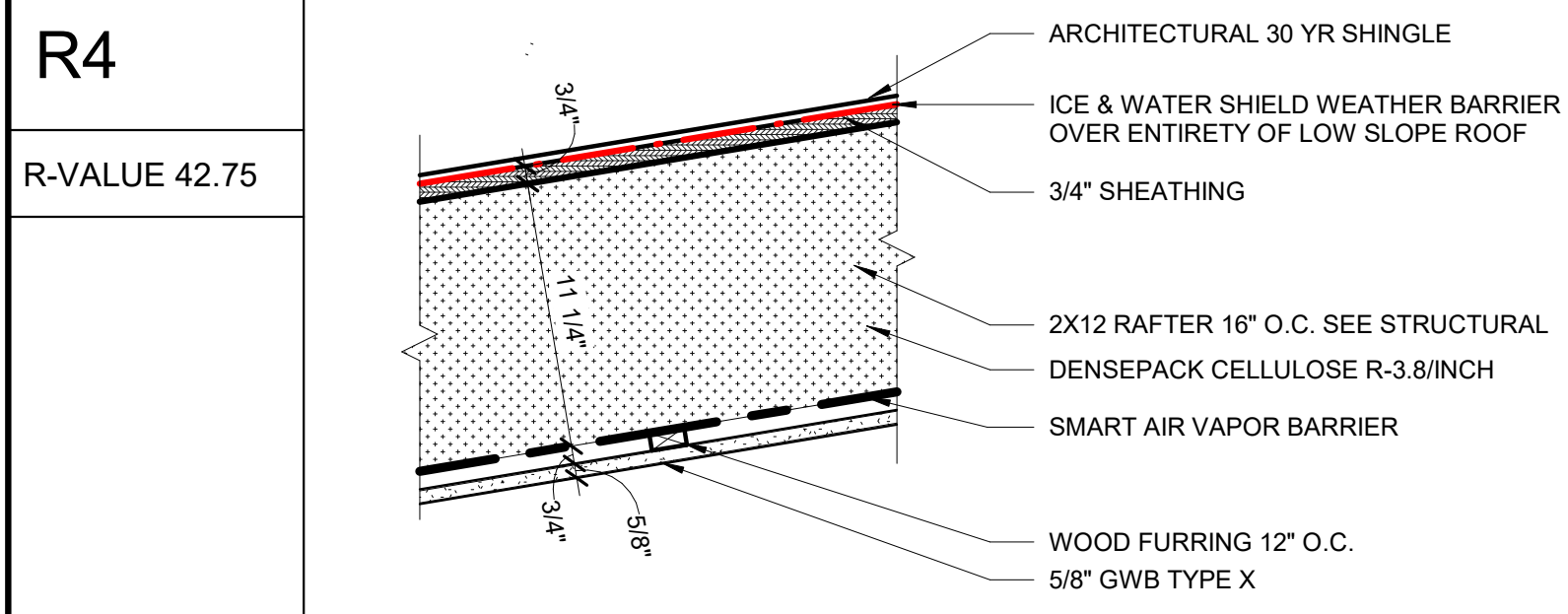
INTERIOR PARTITIONS



ROOFS



GENERAL NOTES:
 1. SEE ALSO STRUCTURAL DOCUMENTS.
 2. ALL W1 AND W3 PARTITIONS TO TERMINATE AT BOTTOM OF TRUSS. U.N.O.
 3. SEAL ALL PENETRATIONS AS REQUIRED.
 4. SEE G002 FOR FIRE RATED LOCATIONS.
 5. ALL INTERIOR NON-LOAD BEARING WALLS TO HAVE DOUBLE BOTTOM PLATE.
 6. ALL PARTITIONS AT WET LOCATIONS, BATHROOMS, KITCHEN SINK WALLS, ETC. TO RECEIVE MOISTURE RESISTANT GWB.
 7. ALL PARTITIONS WITH TILE TO HAVE CERAMIC TILE UNDERLAY / GLASROC IN PLACE OF GWB.

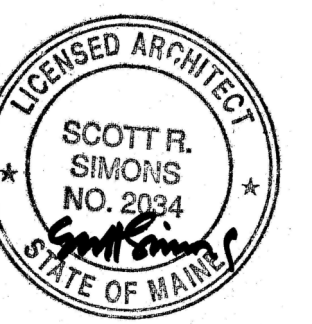


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PROJECT NAME:
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ASSEMBLY TYPES

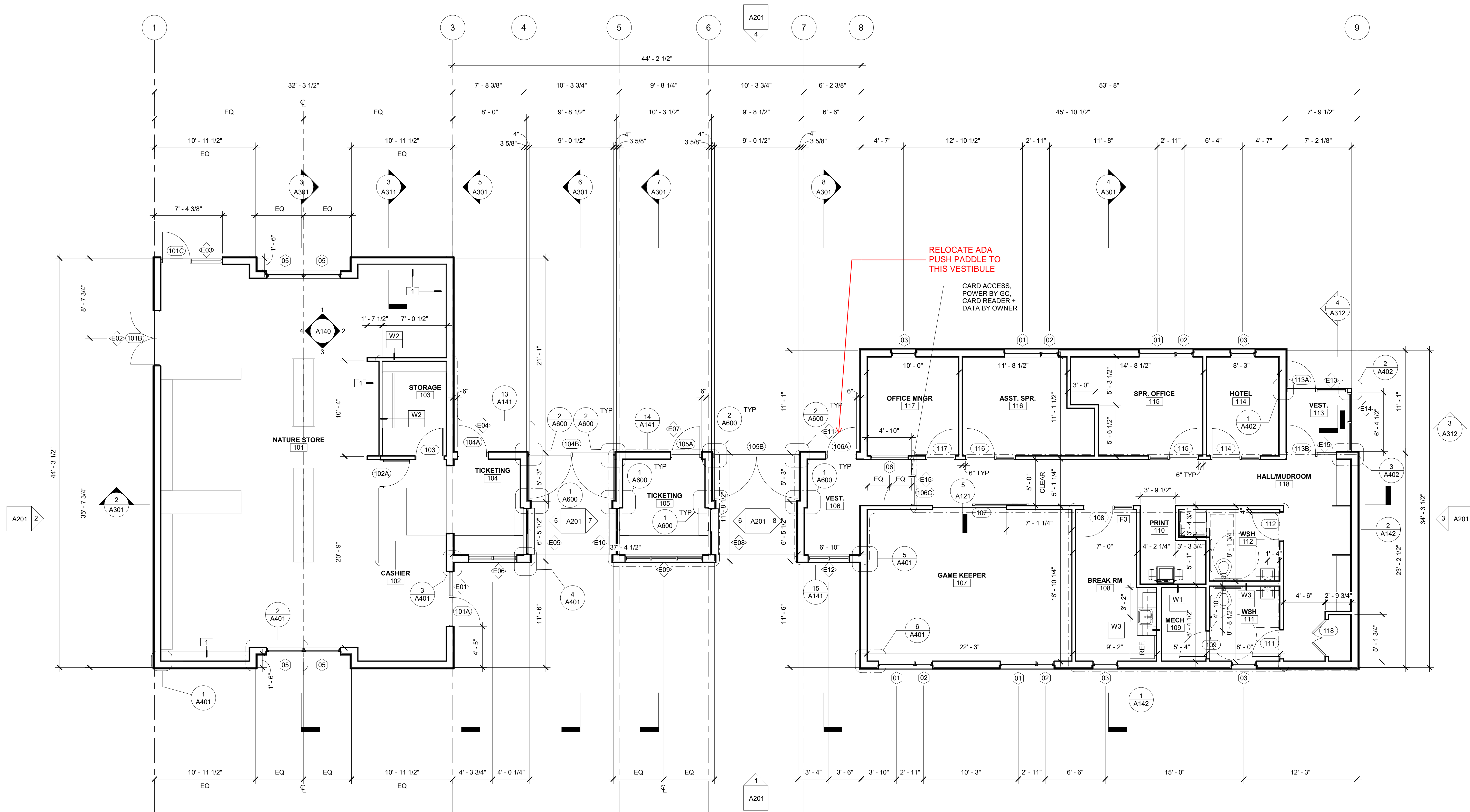
A000

GENERAL NOTES:

1. SEE A000 FOR ASSEMBLY TYPES
2. ALL PARTITIONS W1 U.N.O.
3. SEE A000/A301 FOR TYPICAL WALL ASSEMBLIES
4. SEE A000/A301 FOR TYPICAL ROOF ASSEMBLIES
5. DIMENSIONS ARE TO FACE OF FRAMING U.N.O.
6. WINDOWS ARE DIMENSIONED TO CL U.N.O.
7. ALUM. STOREFRONT IS MEASURED TO R.O. U.N.O

DRAWING NOTES:

1. RAKK WALL MOUNTED SHELVING BRACKETS, PINE PLY FLOATING SHELVES, EXPOSED EDGE, CLEAR FINISH



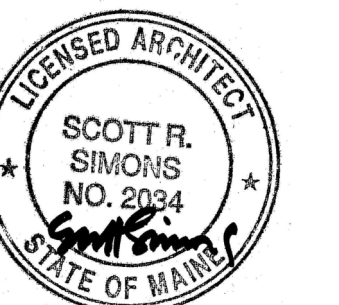
1 FIRST FLOOR PLAN
3/16" = 1'-0"

PROJECT NAME:

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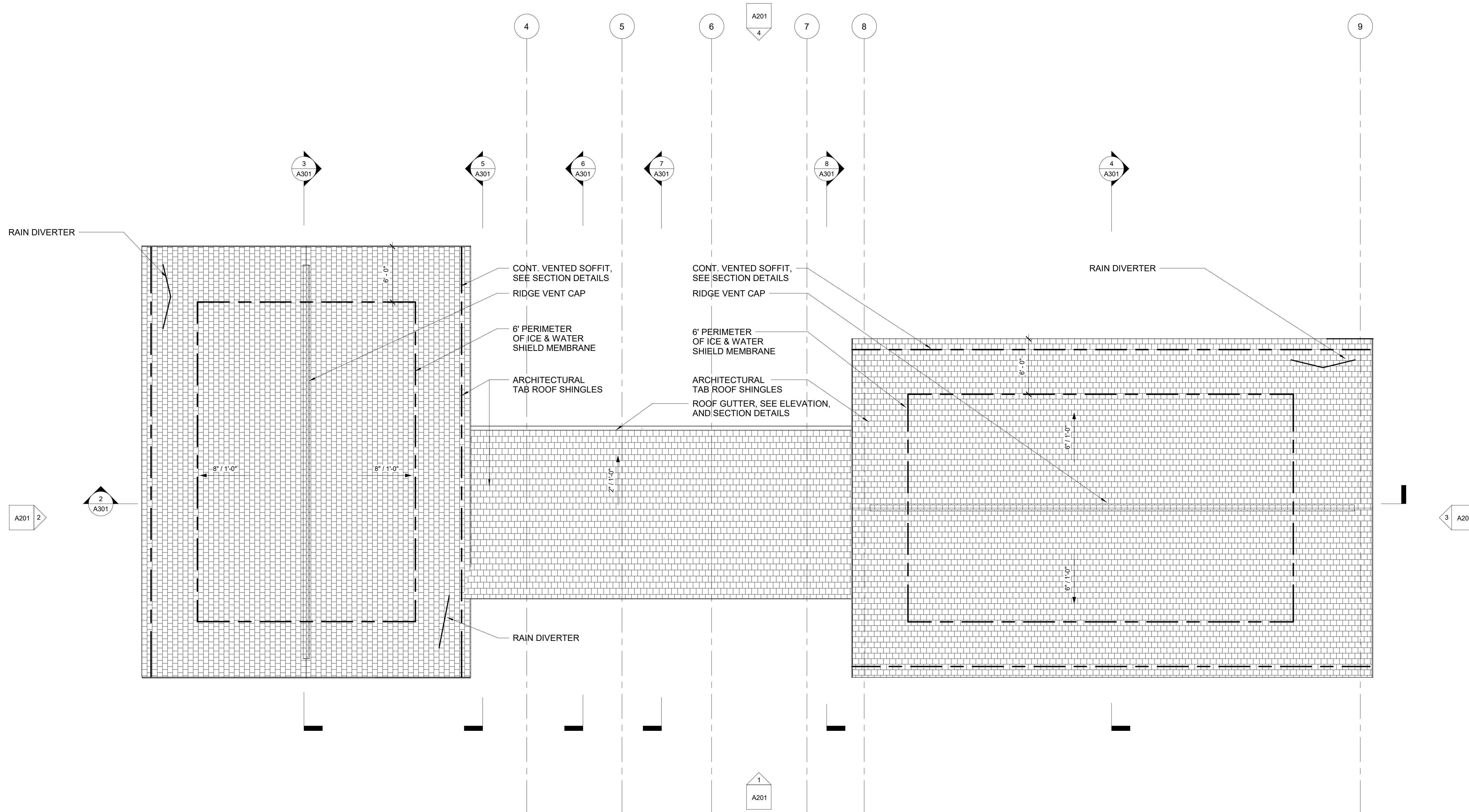
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**CONSTRUCTION
PLAN - LEVEL 01**

A101

GENERAL NOTES:

1. SEE A601 FOR PARTITION TYPES
2. ALL PARTITIONS W401 U.N.O.
3. SEE A301 FOR TYPICAL WALL ASSEMBLIES
4. SEE A301 FOR TYPICAL ROOF ASSEMBLIES



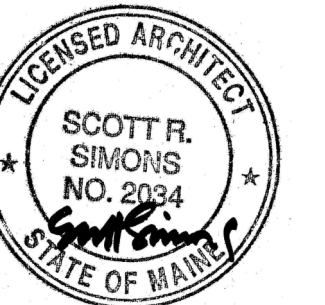
1 ROOF PLAN
3/16" = 1'-0"

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ROOF PLAN

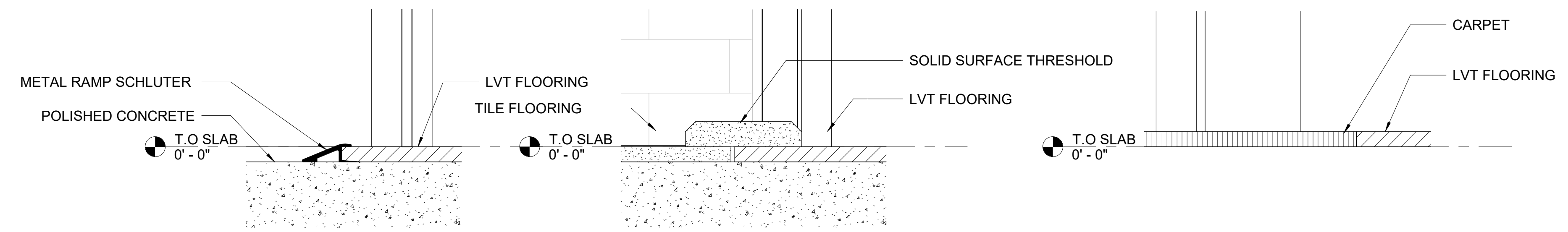
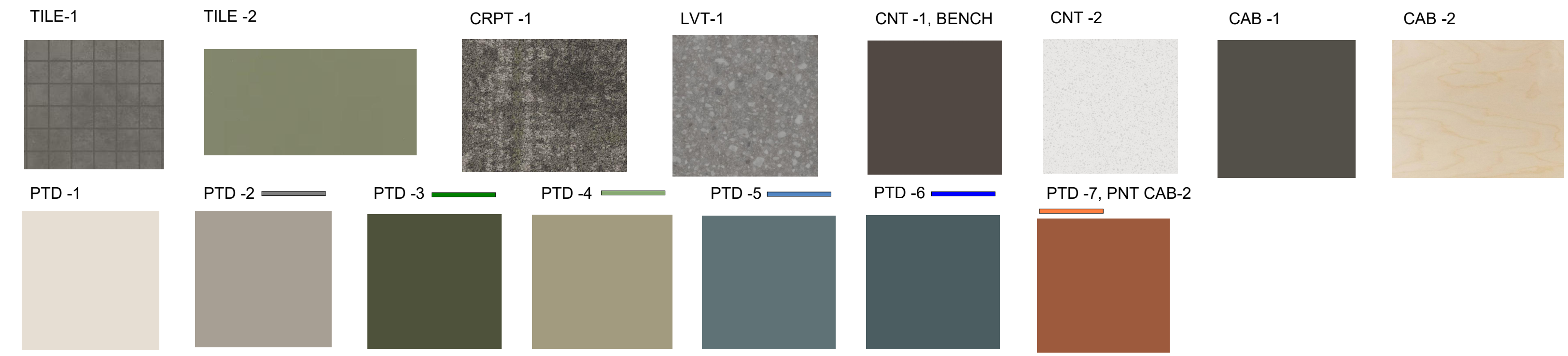
A102

FINISH LEGEND	
NOTE	DESCRIPTION
FLOOR	
CONC.	POLISHED CONCRETE
CRPT -1	J&J FLOORING, CARPET, WARP + WEFT COLLECTION - 18" X 36", QUILL, LICHEN 78013625 (ASHLAR)
LVT	J&J FLOORING, LVT, COMPOSITE - 18"X36", 1115 SUITABLE, 5MM
TILE 1	DALTILE, PORTFOLIO, PORCELAIN TILE - 2X2, MATTE, IRON GREY PF06
BASE	
WOOD	2" WOOD BASE PNT FINISH
WALL	
WOOD	PINE HORIZONTAL NICKLE GAP SHIPLAP - CLEAR FINISH
PTD1 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS WHITE DUCK SW710
PTD2 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS FAWN BRINDLE SW 7640
PTD3 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS SECRET GARDEN SW 6181
PTD4 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS SECRET GARDEN SW 6181
PTD5 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS COLONIAL REVIVAL GREEN STONE SW 2826
PTD6 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS STILL WATER SW 6223
PTD7 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS PENNYWISE SW 6349
TILE	DALTILE, CLASSIC COLOR WHEEL, GLAZED CERAMIC TILE - 3X6, GARDEN SPOT, 0141 (3)
GL	STOREFRONT GLASS SYSTEM
CEILING	
PTD GYP	PAINTED GYPSUM
ACT 1	2X2 ACOUSTIC CEILING TILE
WD 1	8'-0" LENGTH PINE T&G - CLEAR FINISH
WD 2	RANDOM LENGTH PINE T&G - CLEAR FINISH
MILLWORK	
CNTR -1	FORMICA, BLACKENED BRONZE, MATTE TEXTURE - 1519-58
CNTR -2	FORMICA, PALOMA POLAR, MATTE TEXTURE - 6698-58
PNT CAB -1	PAINTED WOOD, SHERWIN WILLIAMS URBANE BRONZE SW 7048
CAB -2	BIRCH PLYWOOD
BENCH	FORMICA, BLACKENED BRONZE, MATTE TEXTURE - 1519-58, HARDWOOD EDGE, REFER TO DETAILS

FINISH SCHEDULE FIRST FLOOR

NO	ROOM	FLOOR		WALLS				CEILING	NOTES
		BASE	FLOOR	NORTH	SOUTH	EAST	WEST		
101	NATURE STORE	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 1	
102	CASHIER	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 1	
103	STORAGE	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	GYP.	
104	TICKETING	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 2	
105	TICKETING	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 2	
106	VEST.	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 2	
107	GAME KEEPER	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
108	BREAK RM	PTD WOOD	LVT	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
109	MECH.	N/A	CONC.		PTD GWB	PTD GWB	PTD GWB	GYP.	
110	PRINT	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
111	WSH	COVE TILE	TILE	PTD GWB/TILE	PTD GWB/TILE	PTD GWB/TILE	PTD GWB/TILE	GYP.	PROVIDE TILE BACKER @ ALL TILED LOCATIONS. FLOOR/WALL TRANSITION TO HAVE COVE TILE BASE + BULLNOSE TILE @ GYP TRANSITION, SEE A142 FOR MORE INFORMATION
112	WSH	COVE TILE	TILE	PTD GWB/TILE	PTD GWB/TILE	PTD GWB/TILE	PTD GWB/TILE	GYP.	PROVIDE TILE BACKER @ ALL TILED LOCATIONS. FLOOR/WALL TRANSITION TO HAVE COVE TILE BASE + BULLNOSE TILE @ GYP TRANSITION, SEE A142 FOR MORE INFORMATION
113	VEST.	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 2	
114	HOTEL	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
115	SPR. OFFICE	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
116	ASST. SPR.	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
117	OFFICE MNGR	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
118	HALL/MUDROOM	PTD WOOD	LVT	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	

- GENERAL NOTES:
- SEE A601 FOR PARTITION TYPES
 - ALL PARTITIONS W401 U.N.O.
 - SEE A301 FOR TYPICAL WALL ASSEMBLIES
 - SEE A301 FOR TYPICAL ROOF ASSEMBLIES
 - ALL WALLS TO BE PAINTED PTD1, U.N.O.
 - ALL INTERIOR DOOR + BASE TRIM TO BE PAINTED TO MATCH COORDINATING WALLS, U.N.O.

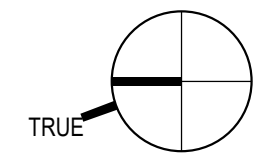


1 FIRST FLOOR FINISH PLAN
3/16" = 1'-0"

3 THRESHOLD DETAIL 1
3" = 1'-0"

4 THRESHOLD DETAIL 2
3" = 1'-0"

5 THRESHOLD DETAIL 3
3" = 1'-0"

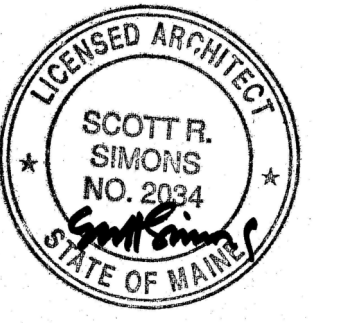


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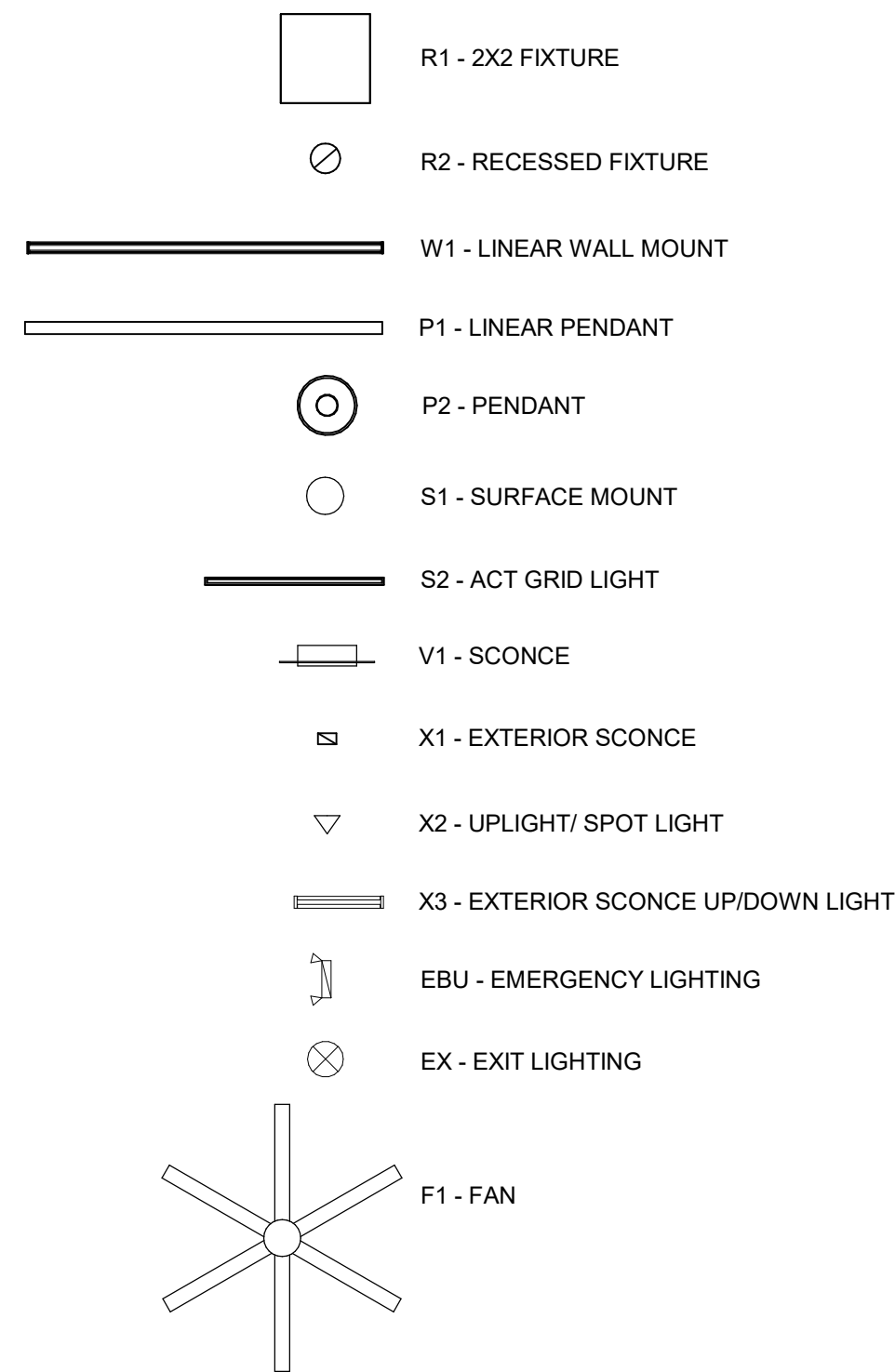
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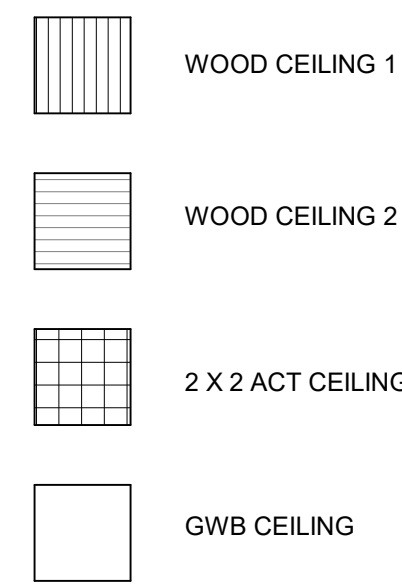
**FINISH PLAN -
LEVEL 01**

A121

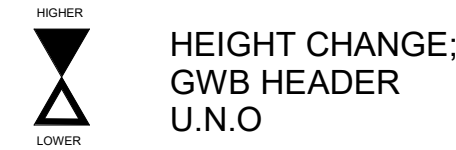
LIGHTING LEGEND



CEILING FINISH LEGEND

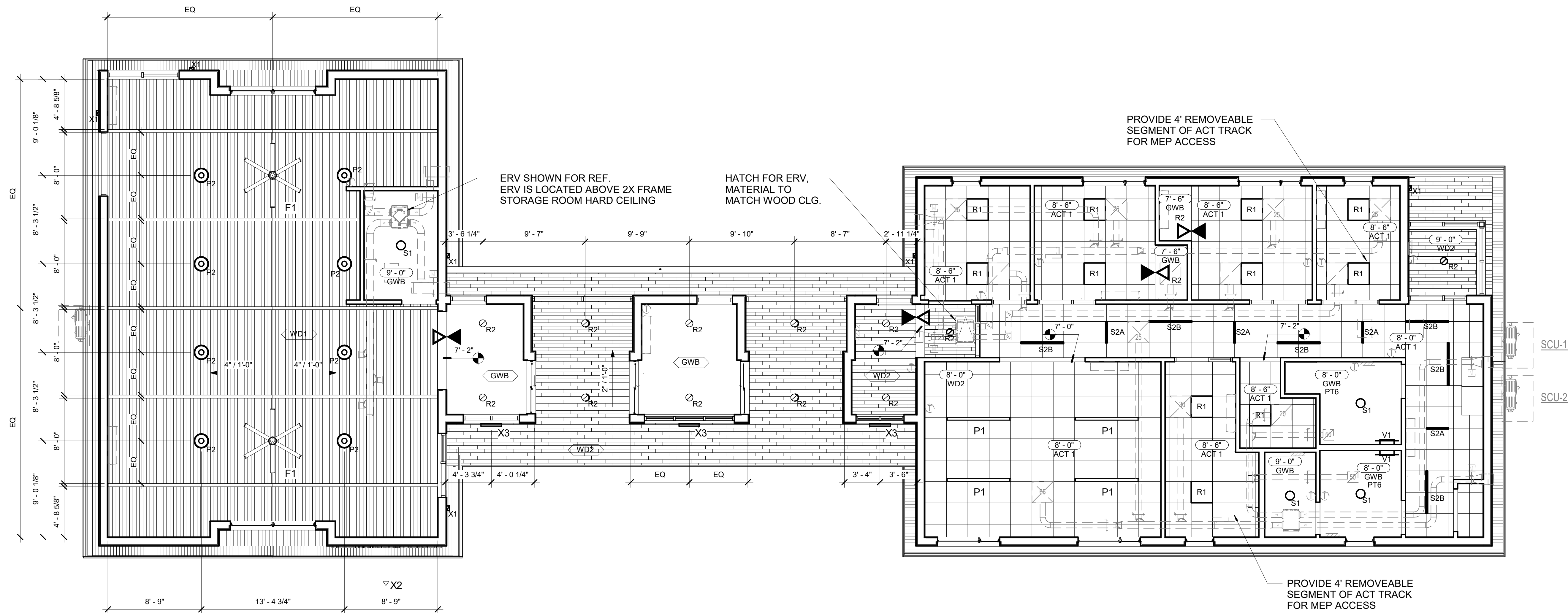


SYMBOLS



GENERAL NOTES:

1. RGD SHALL BE CENTERED IN ACT CEILING TILES U.N.O.
2. FIXTURES SHALL BE CENTERED IN ACT CEILING TILES U.N.O
3. SEE G00, A201, AND A142 FOR TYPICAL WALL MOUNT LOCATIONS



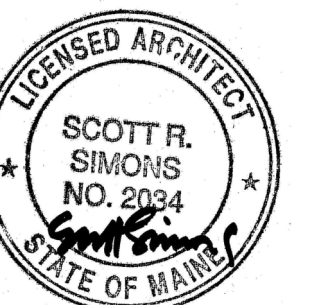
1 FIRST FLOOR RCP
3/16" = 1'-0"

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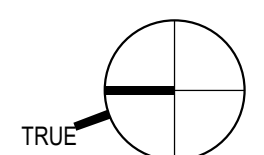
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**REFLECTED
CEILING PLAN -
LEVEL 01**

A131



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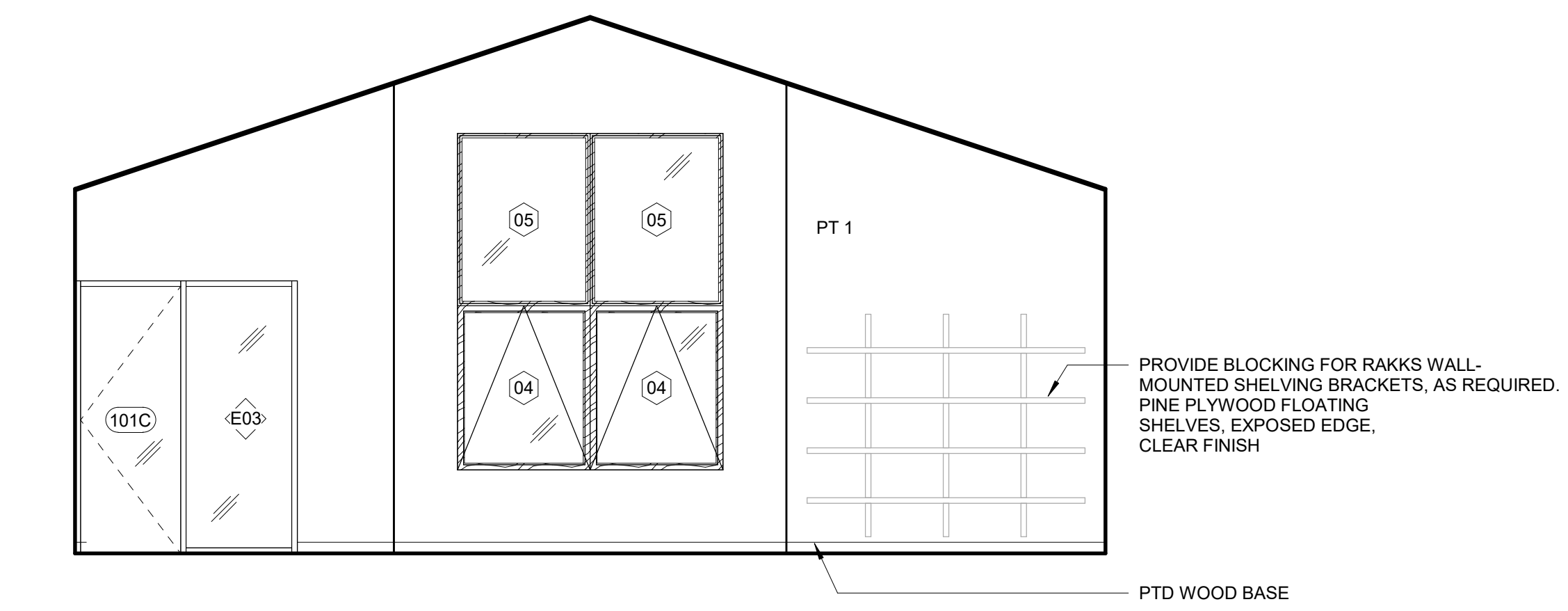
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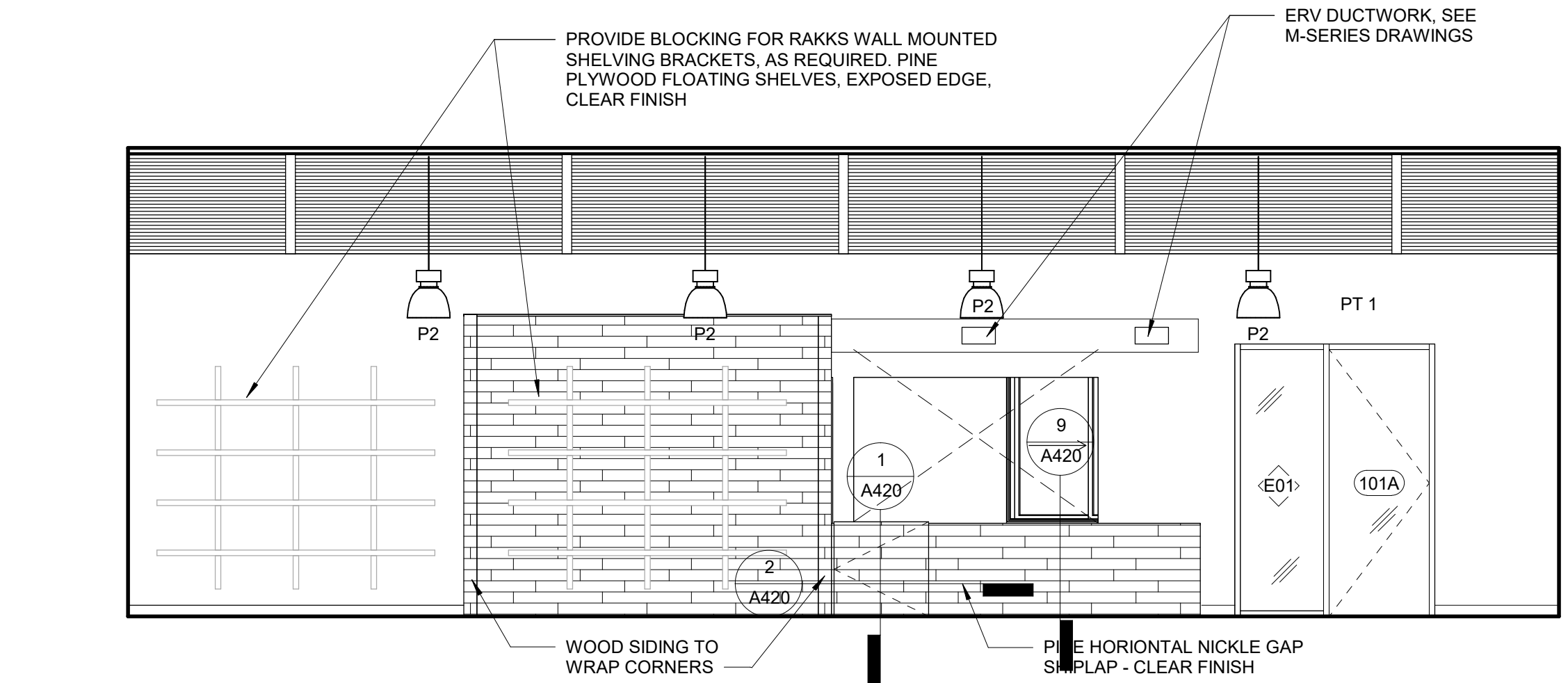
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**INTERIOR
ELEVATIONS**

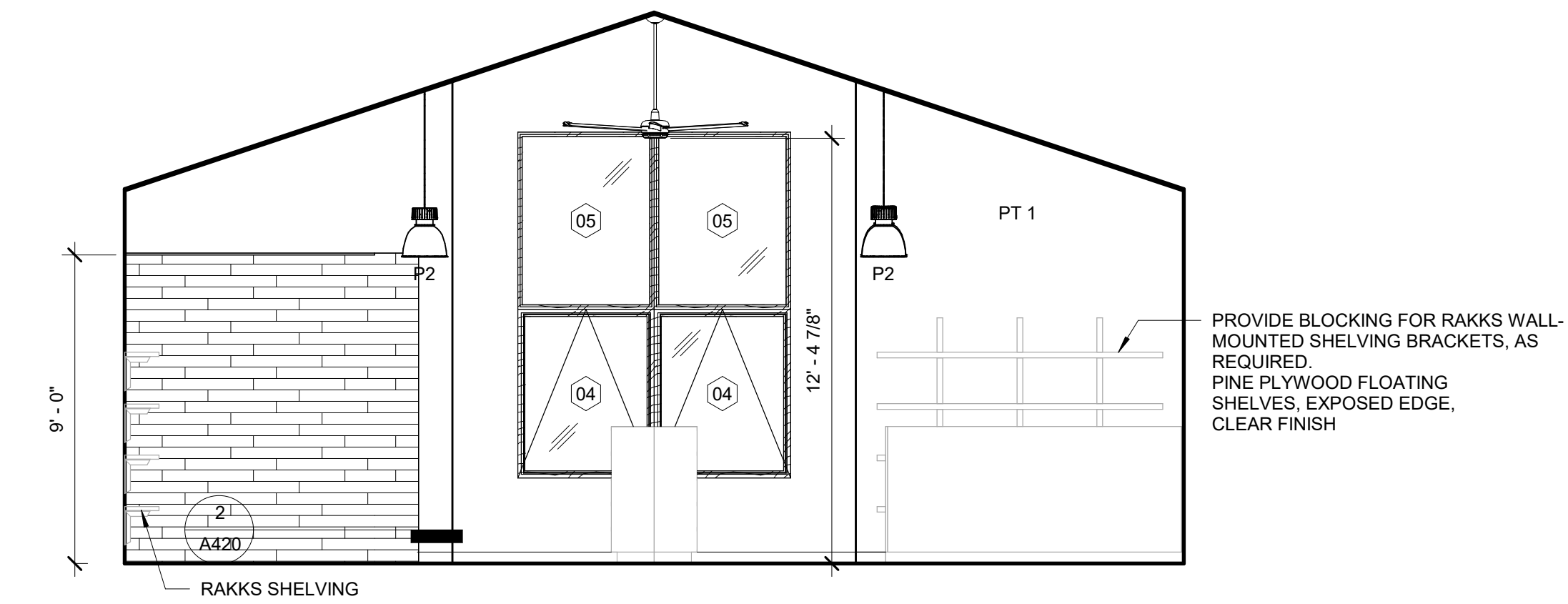
A140



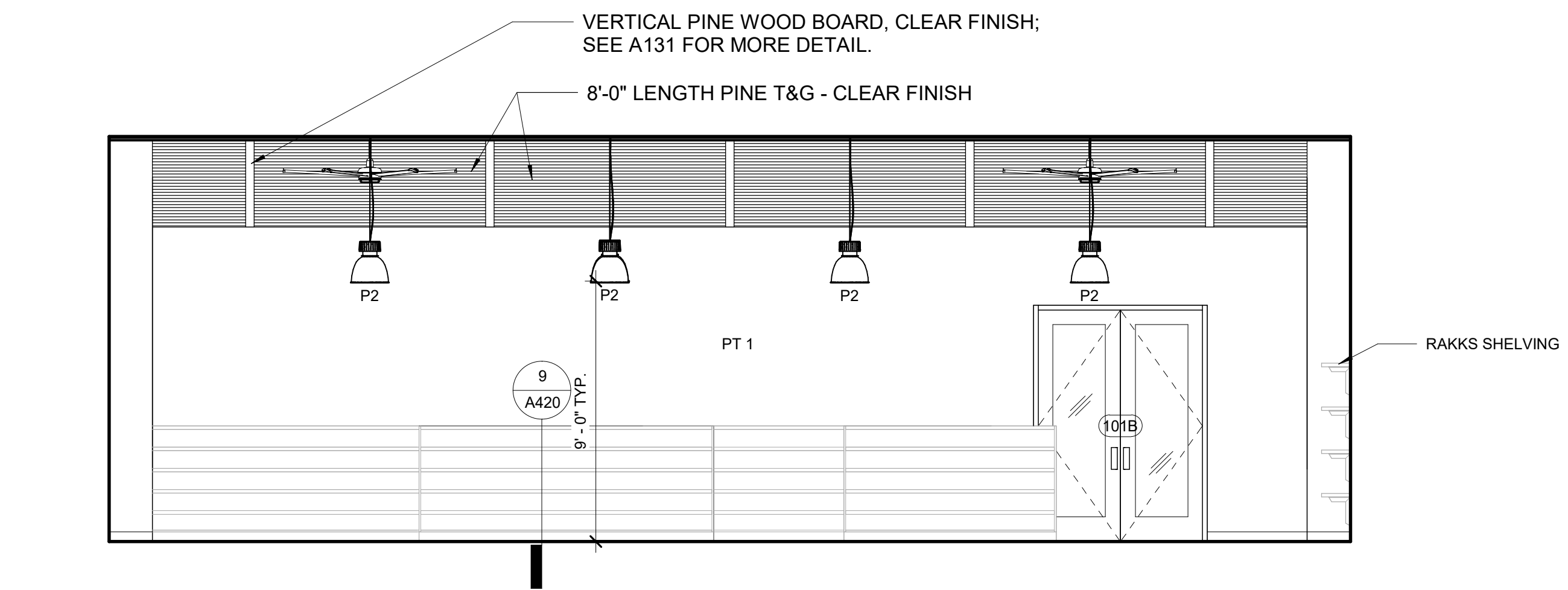
① NATURE STORE INTERIOR ELEVATION 1
1/4" = 1'-0"



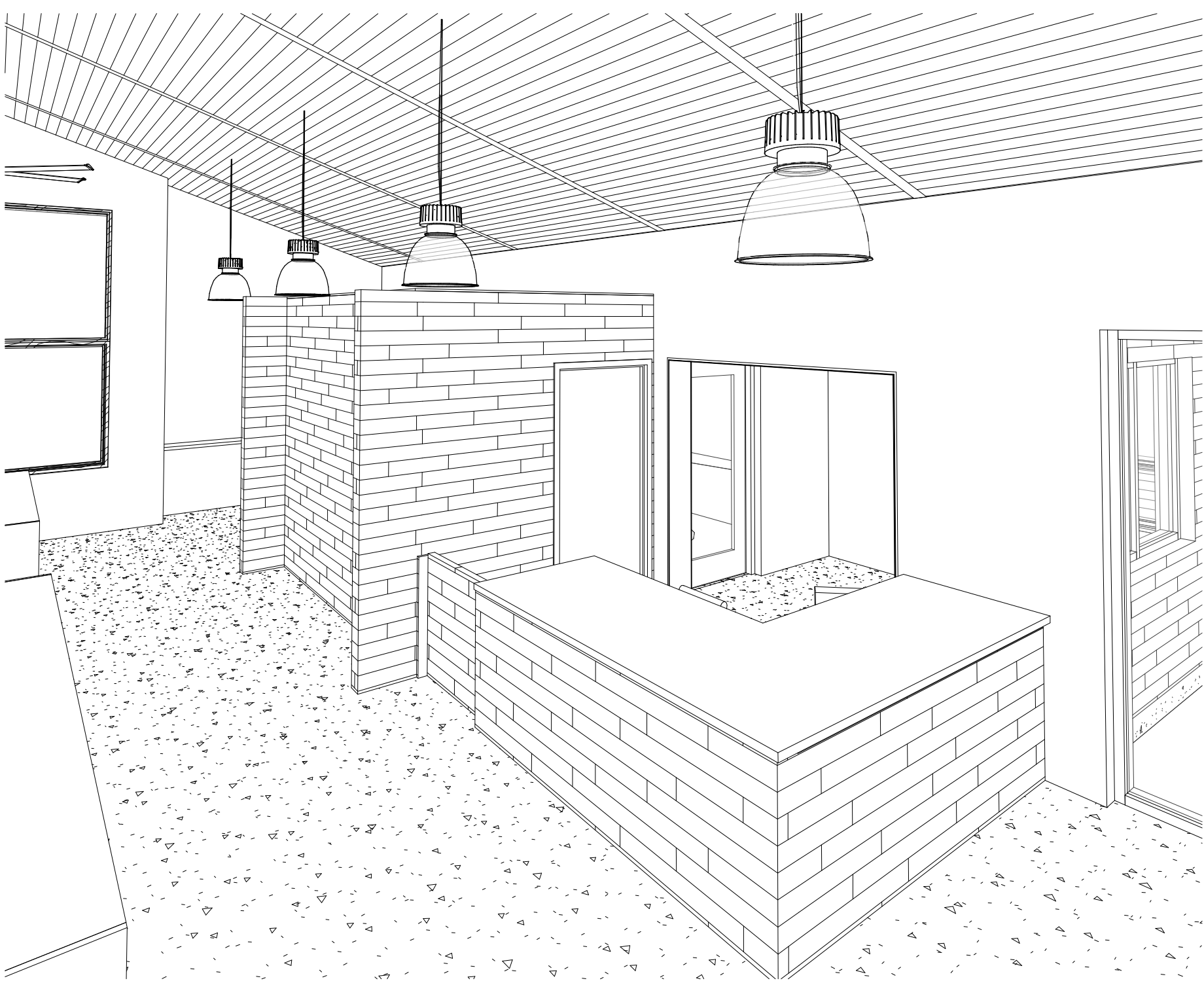
② NATURE STORE INTERIOR ELEVATION 2
1/4" = 1'-0"



③ NATURE STORE INTERIOR ELEVATION 3
1/4" = 1'-0"



④ NATURE STORE INTERIOR ELEVATION 4
1/4" = 1'-0"



⑤ NATURE STORE INTERIOR VIEW 1



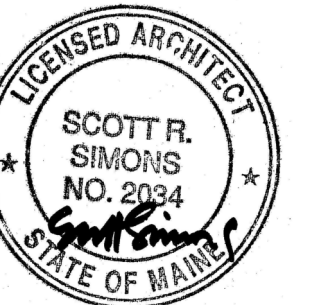
⑥ 3D View 5

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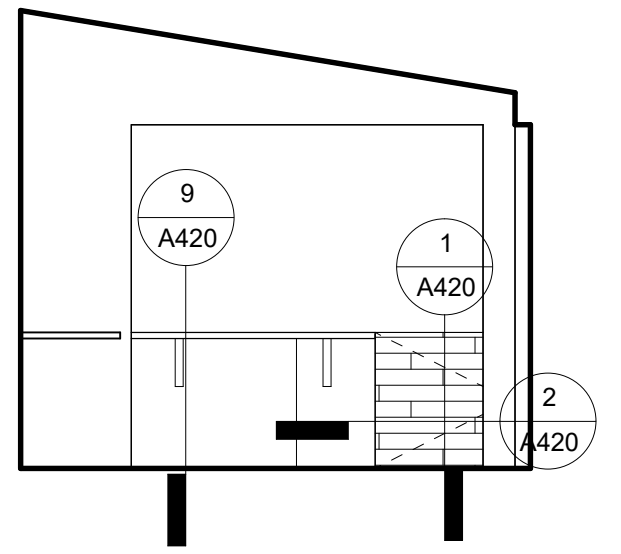
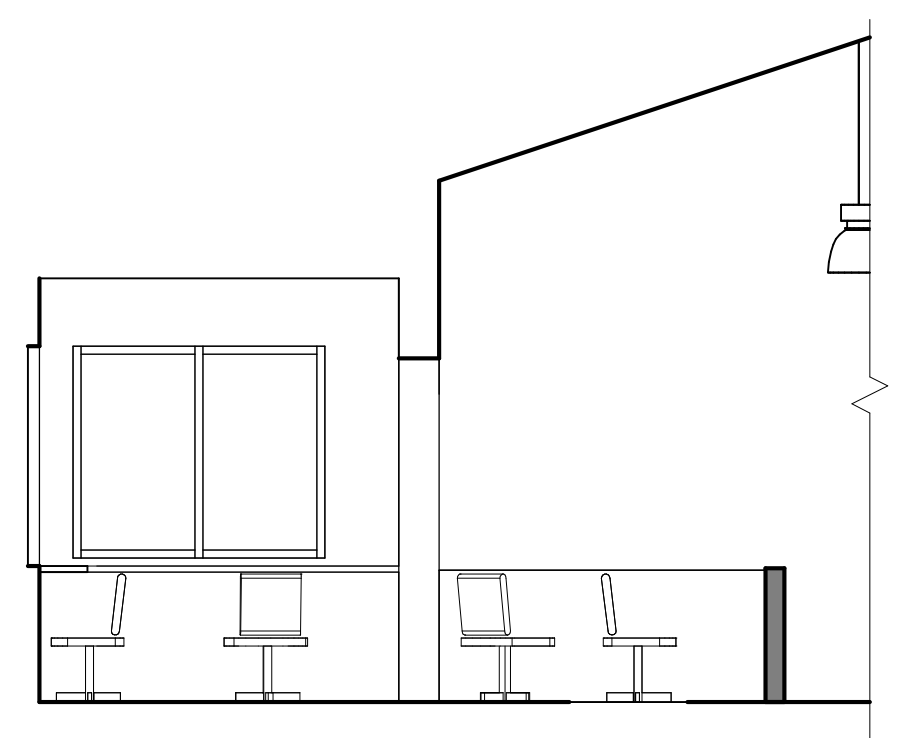
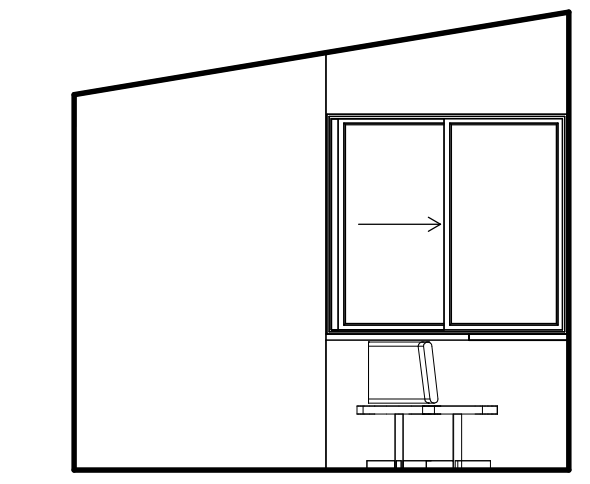
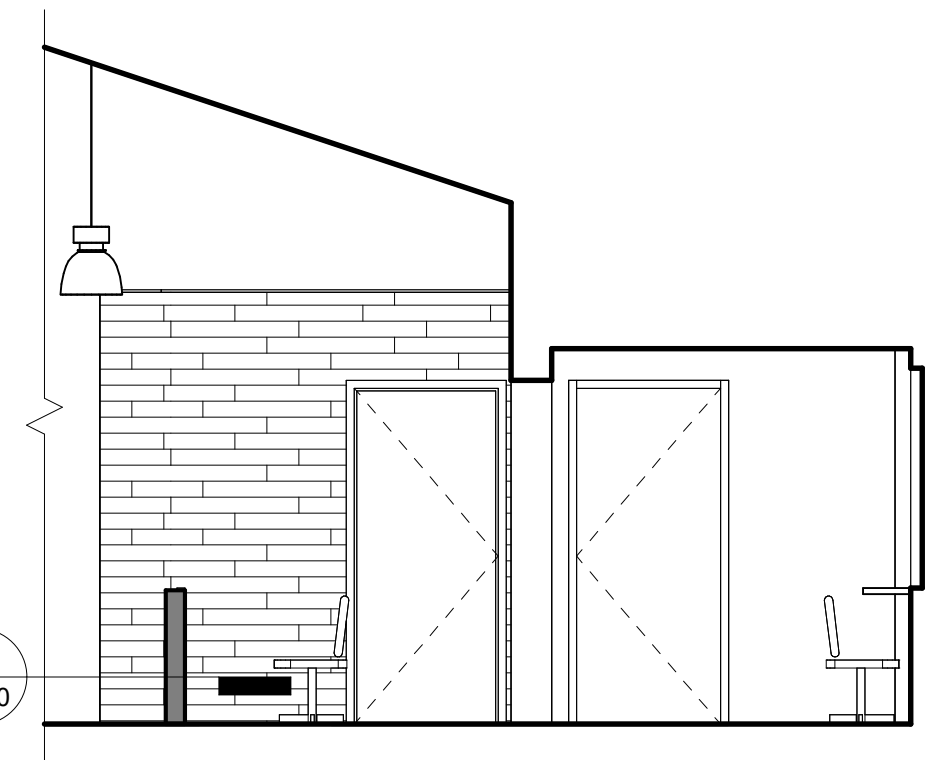
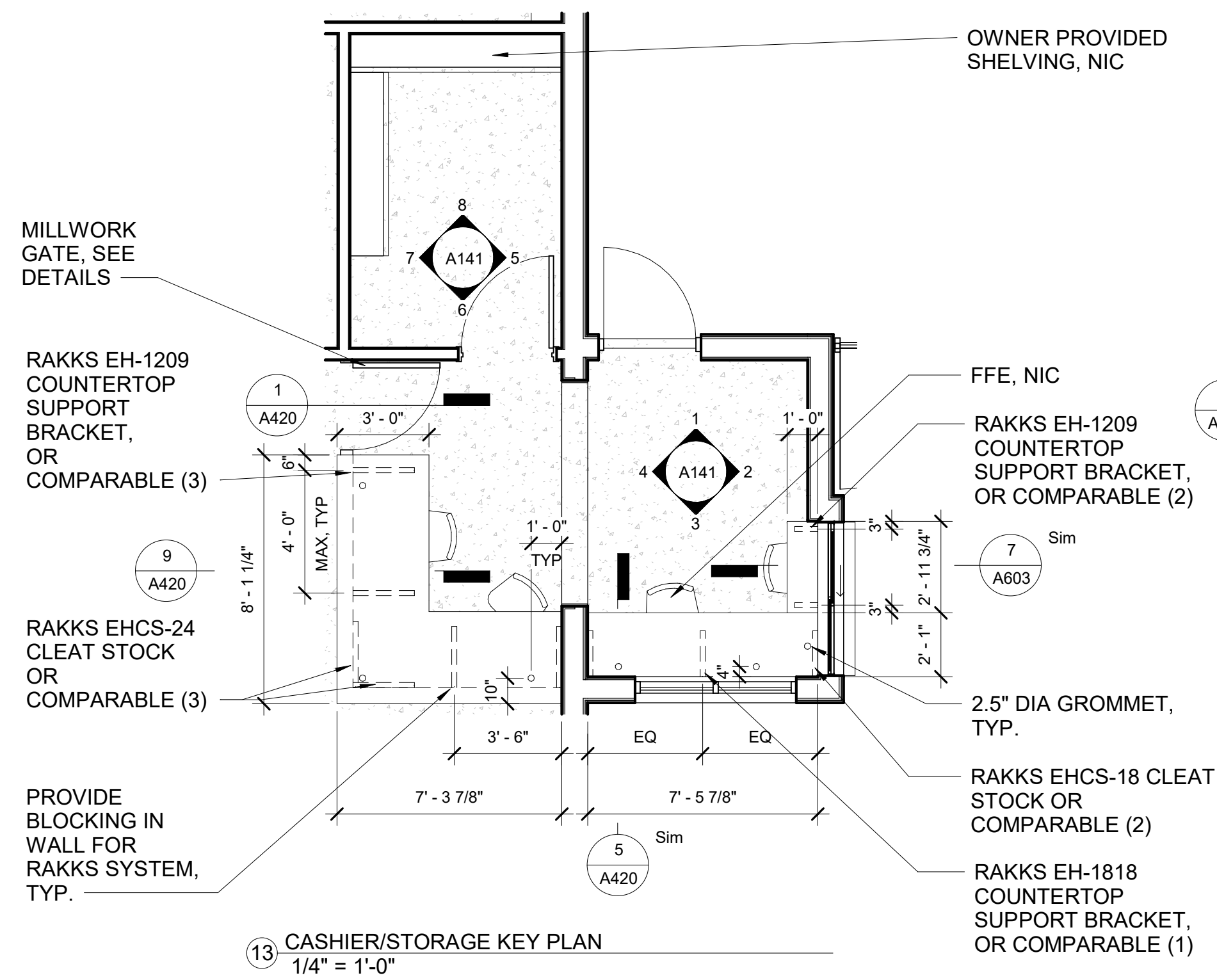
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**INTERIOR
ELEVATIONS**

A141

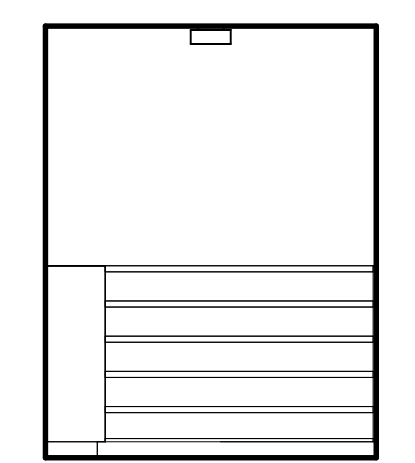
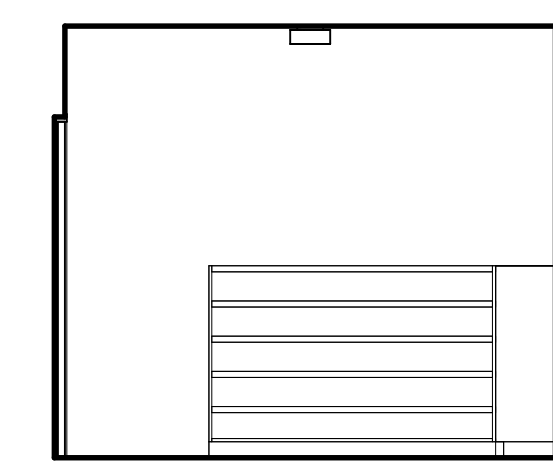
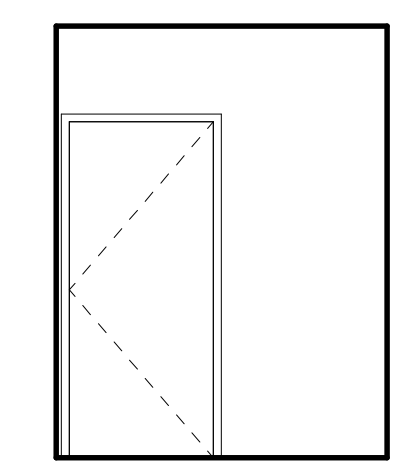
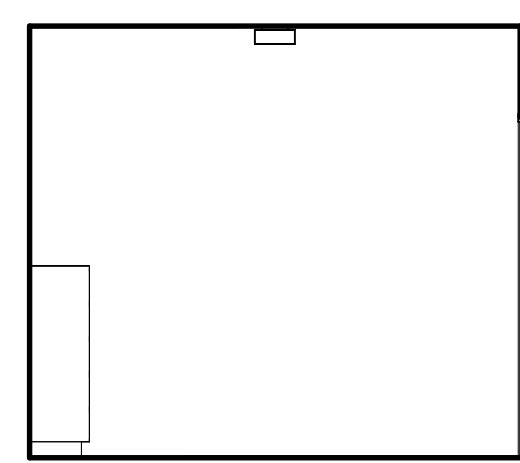


1 CASHIER/TICKETING 1
1/4" = 1'-0"

2 CASHIER/TICKETING 2
1/4" = 1'-0"

3 CASHIER/TICKETING 3
1/4" = 1'-0"

4 CASHIER/TICKETING 4
1/4" = 1'-0"

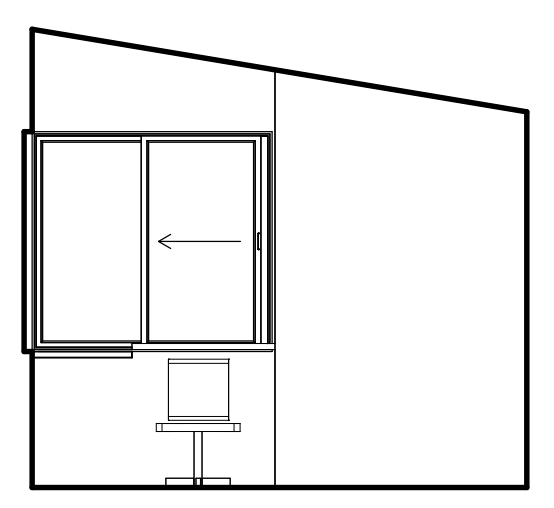
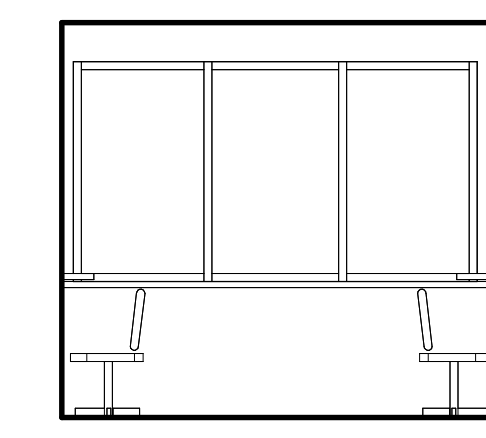
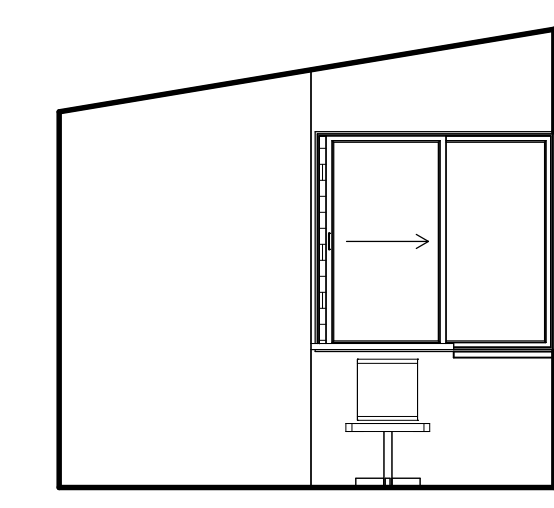
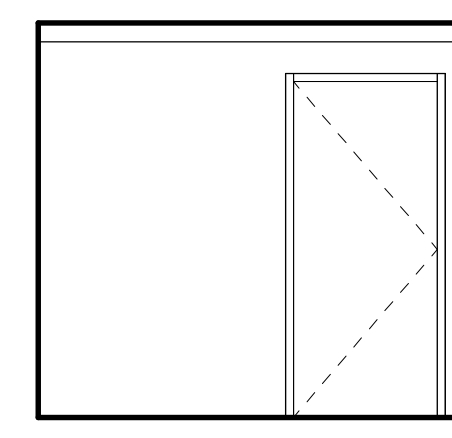
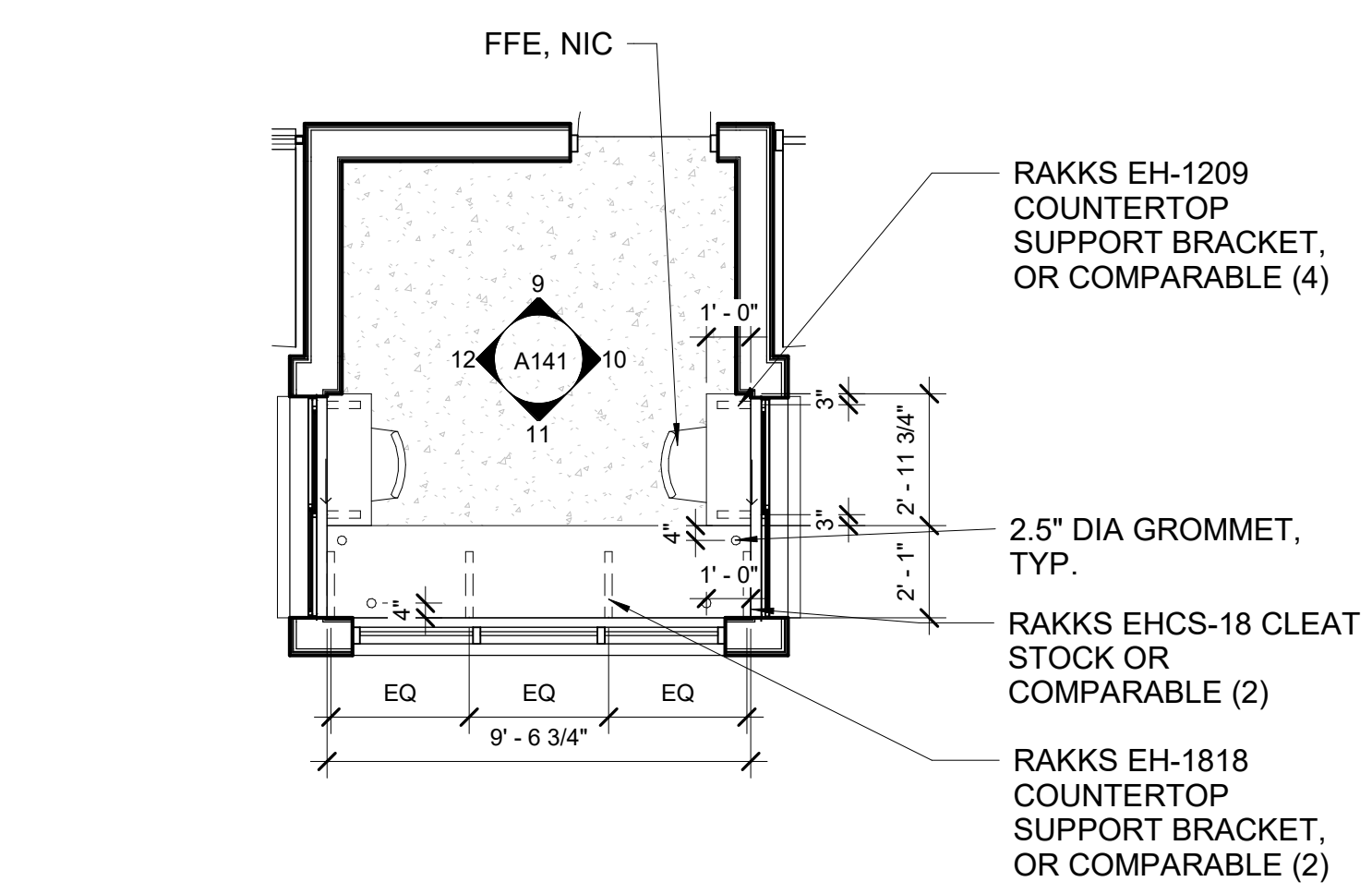


5 STORAGE 5
1/4" = 1'-0"

6 STORAGE 6
1/4" = 1'-0"

7 STORAGE 7
1/4" = 1'-0"

8 STORAGE 8
1/4" = 1'-0"



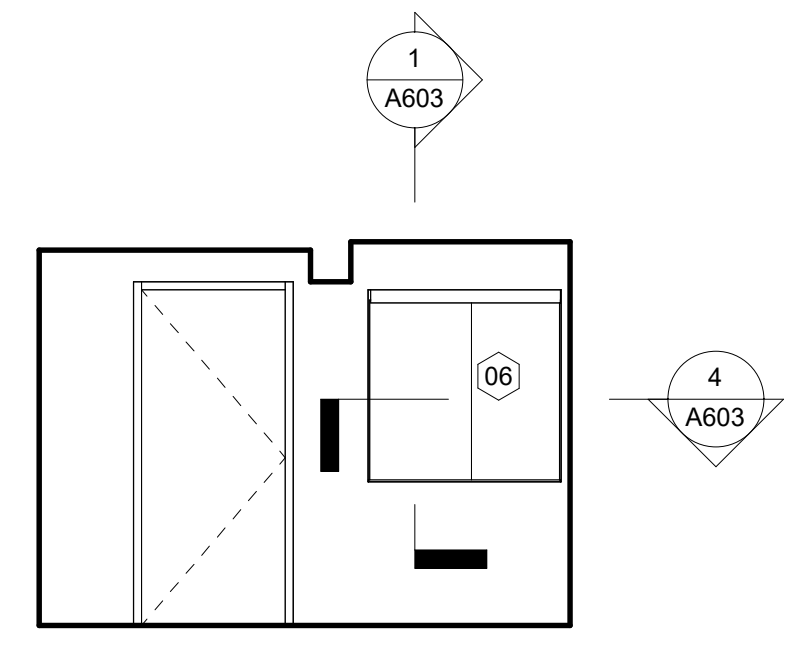
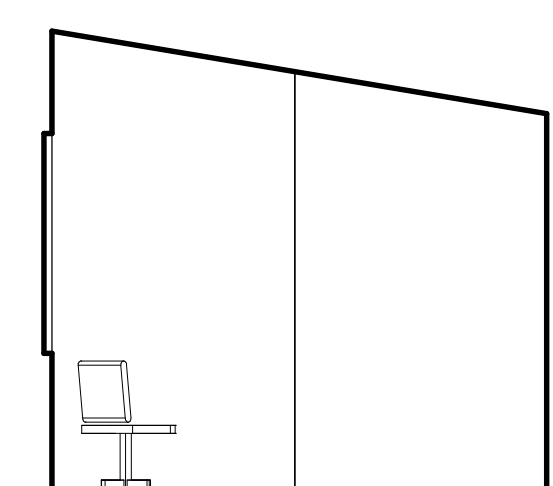
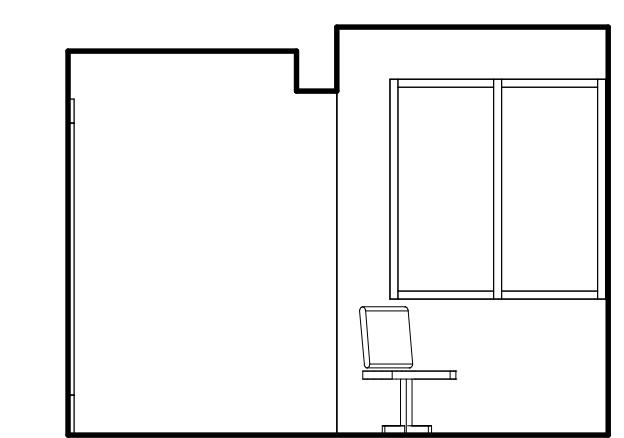
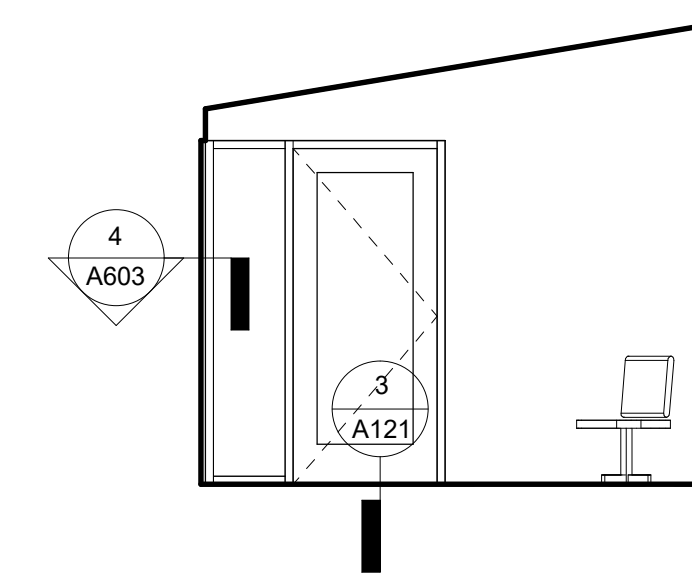
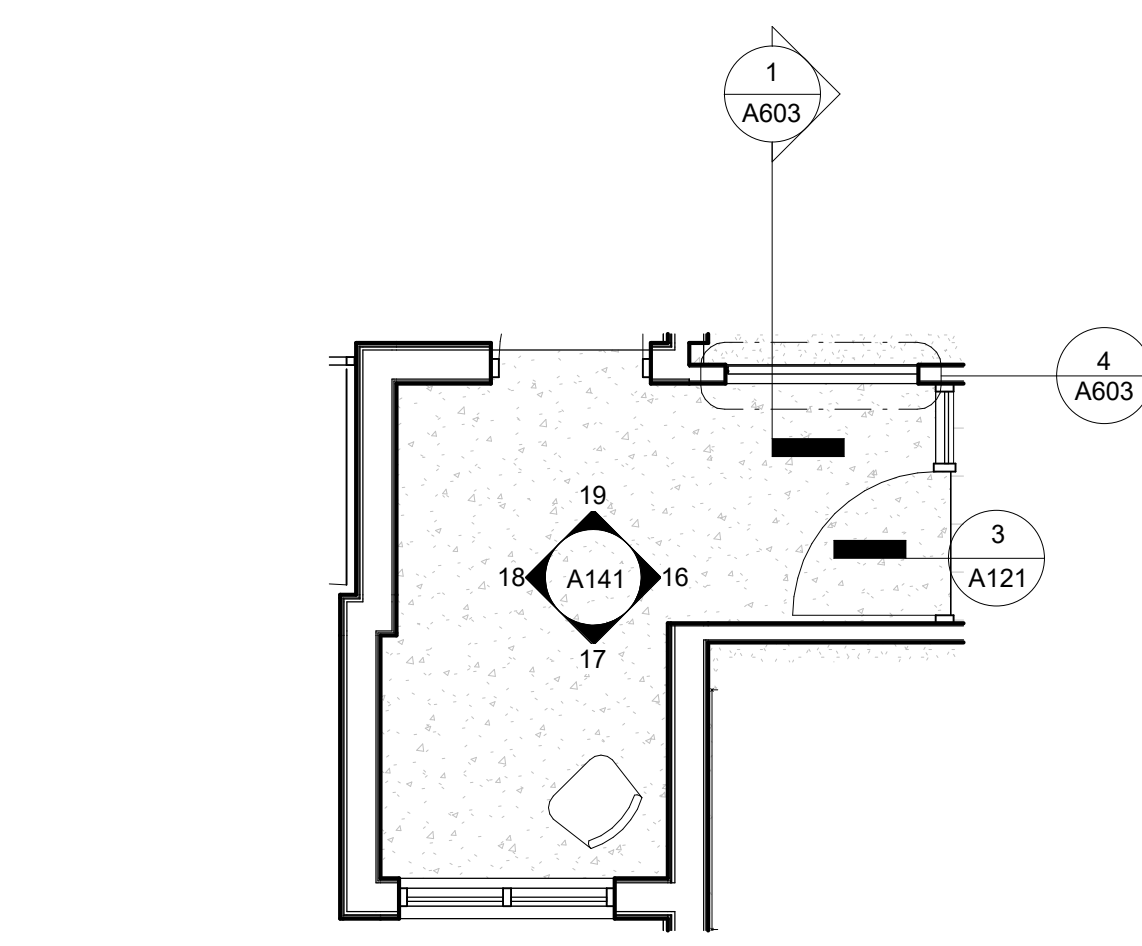
14 Level 1 - Callout 3
1/4" = 1'-0"

9 TICKETING 1
1/4" = 1'-0"

10 TICKETING 2
1/4" = 1'-0"

11 TICKETING 3
1/4" = 1'-0"

12 TICKETING 4
1/4" = 1'-0"



15 Level 1 - Callout 6
1/4" = 1'-0"

16 VESTIBULE 1
1/4" = 1'-0"

17 VESTIBULE 2
1/4" = 1'-0"

18 VESTIBULE 3
1/4" = 1'-0"

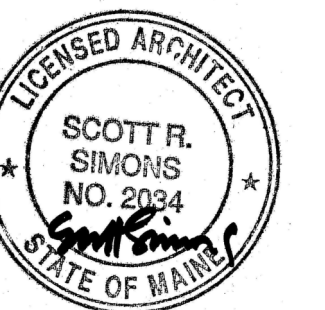
19 VESTIBULE 4
1/4" = 1'-0"

PROJECT NAME:

**MAINE IF+W
NATURE STORE
& ADMIN OFFICE**

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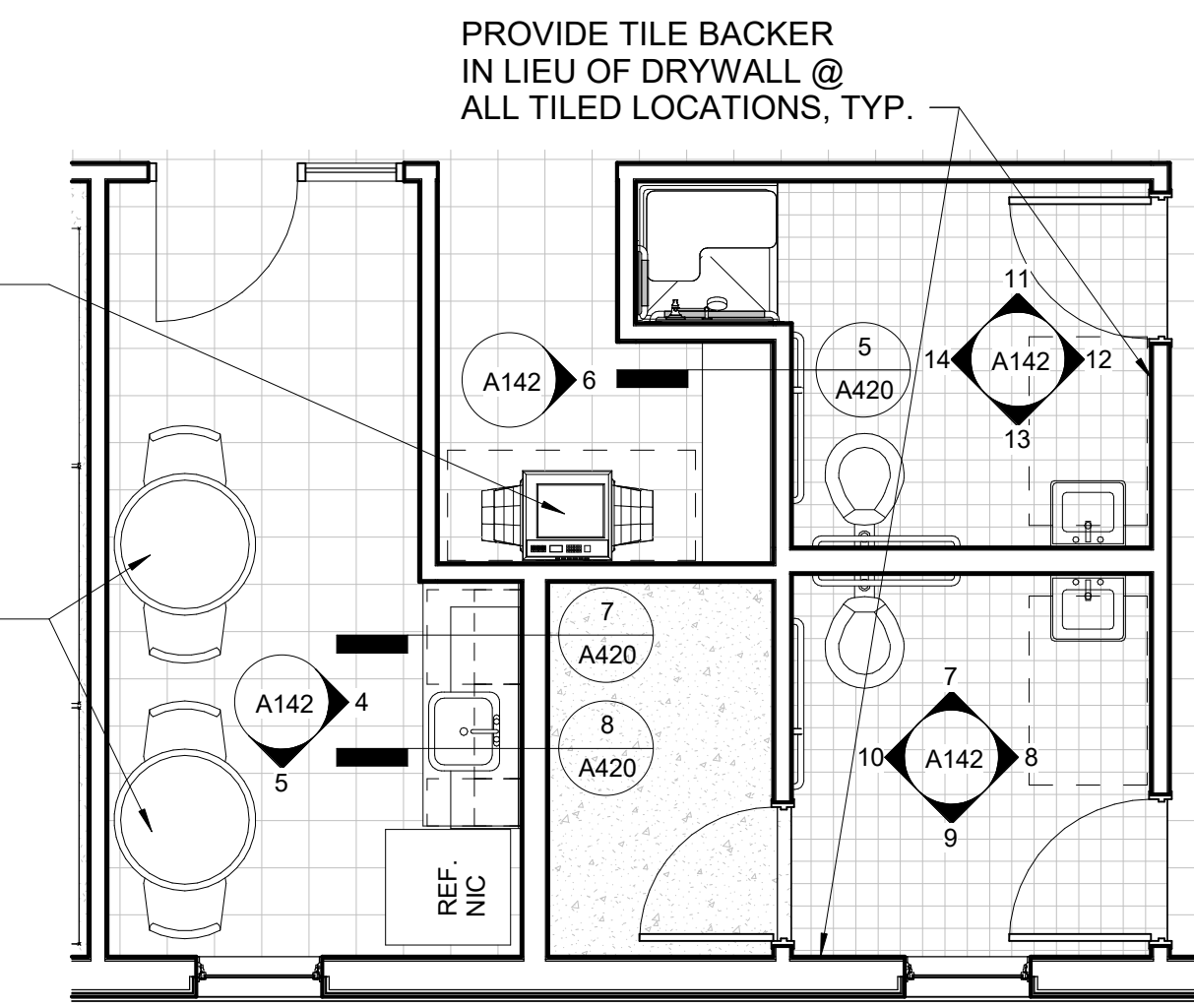
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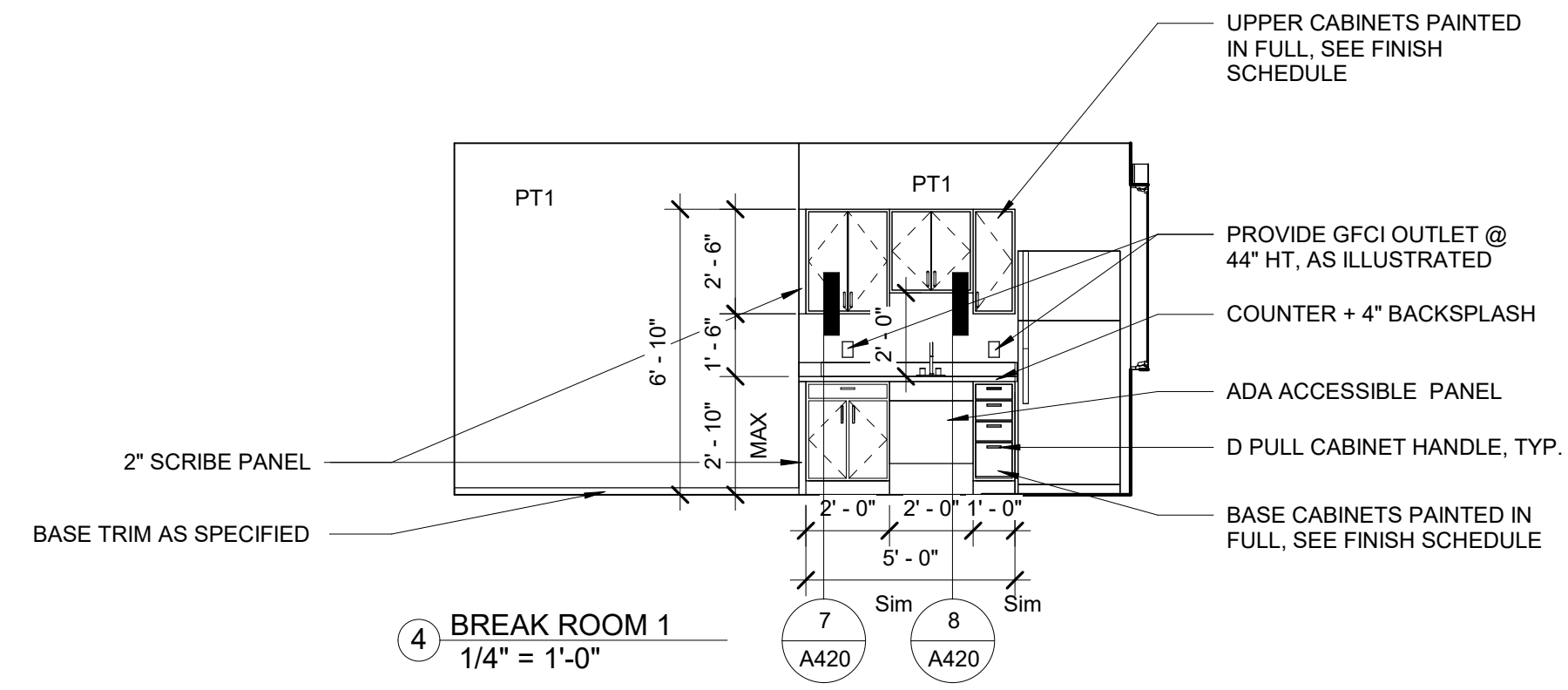
STATUS: ISSUED FOR BID

**INTERIOR
ELEVATIONS**

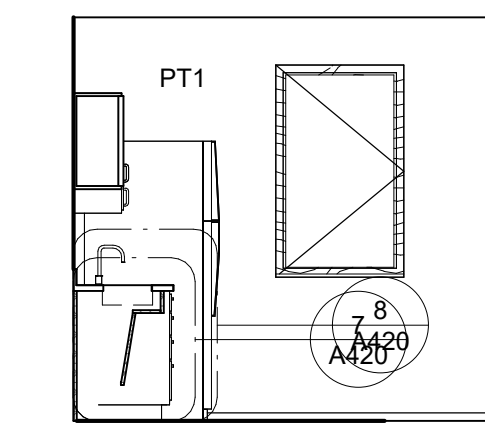
A142



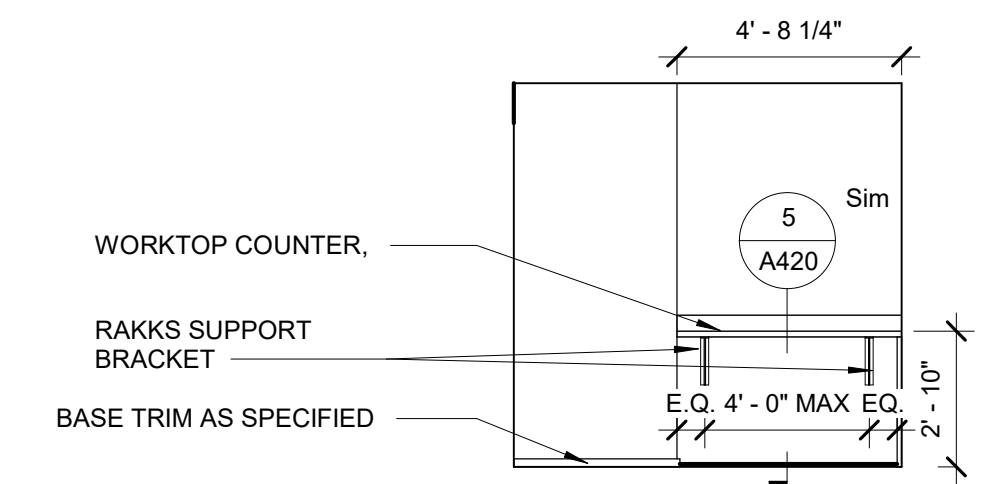
1 Level 1 - Callout 4
1/4" = 1'-0"



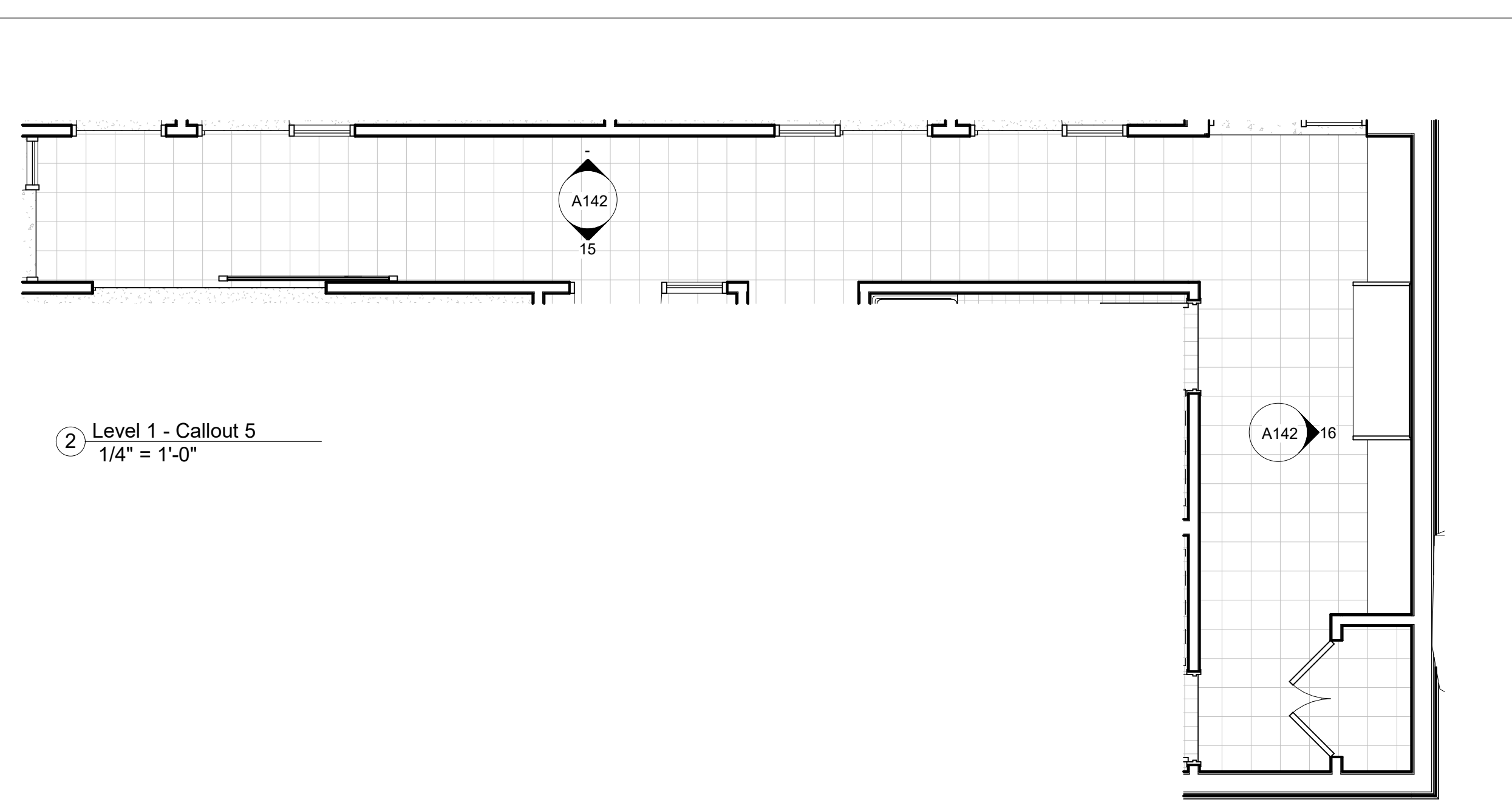
4 BREAK ROOM 1
1/4" = 1'-0"



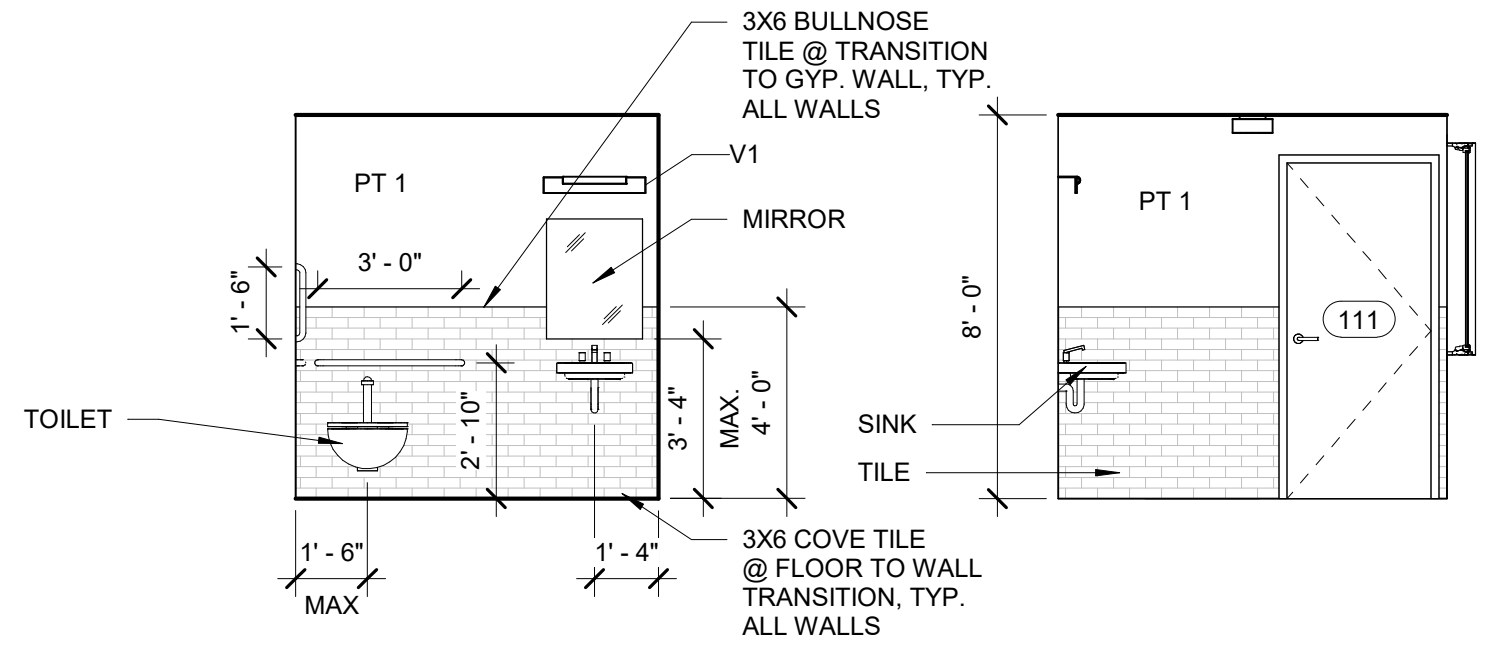
5 BREAK ROOM 2
1/4" = 1'-0"



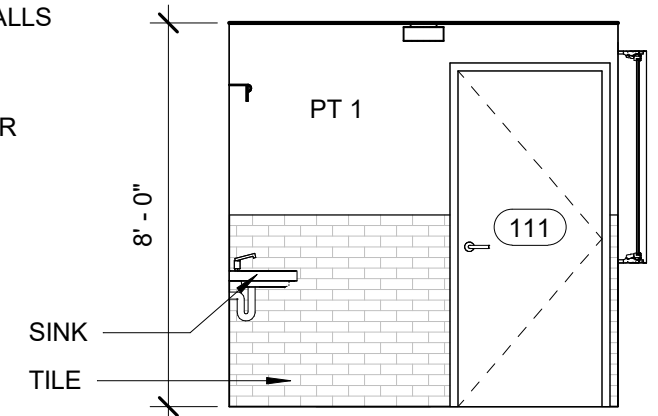
6 PRINT ROOM 1
1/4" = 1'-0"



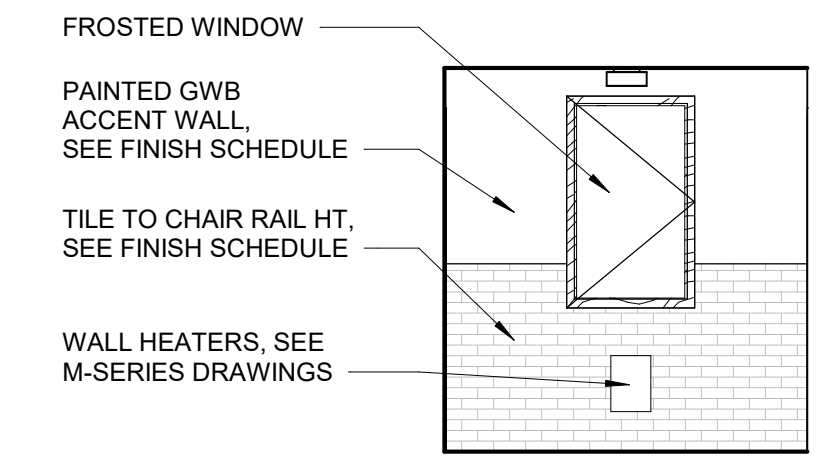
2 Level 1 - Callout 5
1/4" = 1'-0"



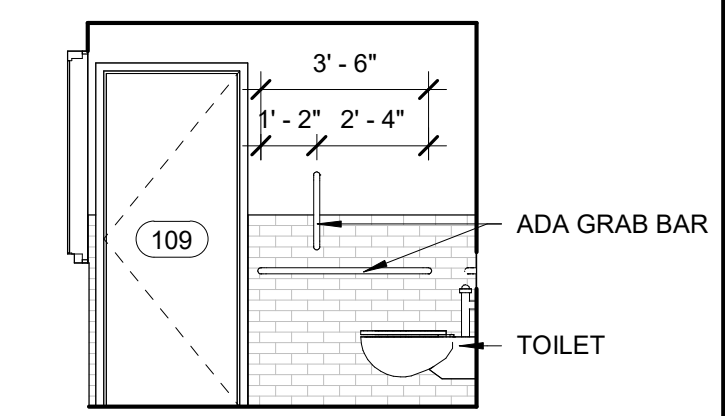
7 BATHROOM 111 (1)
1/4" = 1'-0"



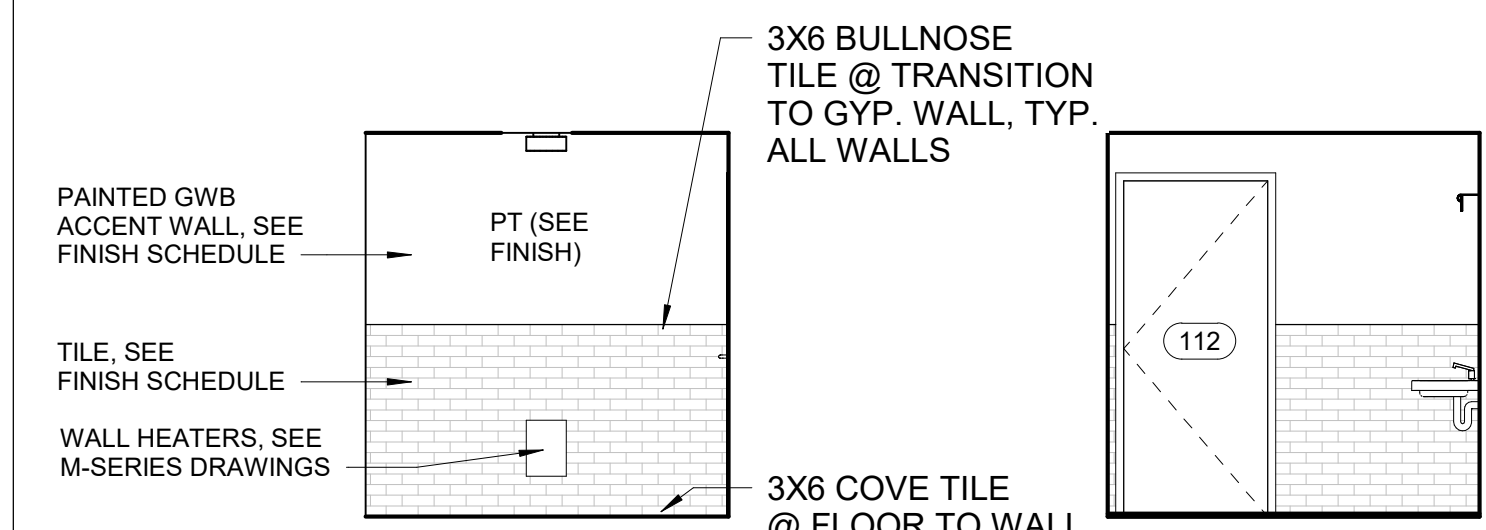
8 BATHROOM 111 (2)
1/4" = 1'-0"



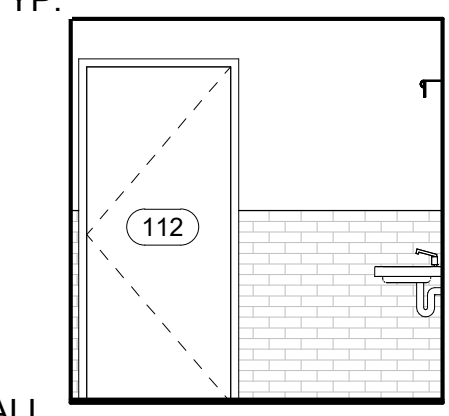
9 BATHROOM 111 (3)
1/4" = 1'-0"



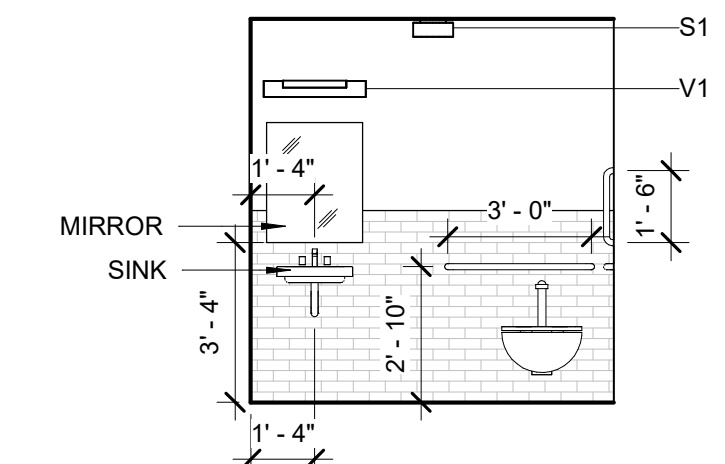
10 BATHROOM 111 (4)
1/4" = 1'-0"



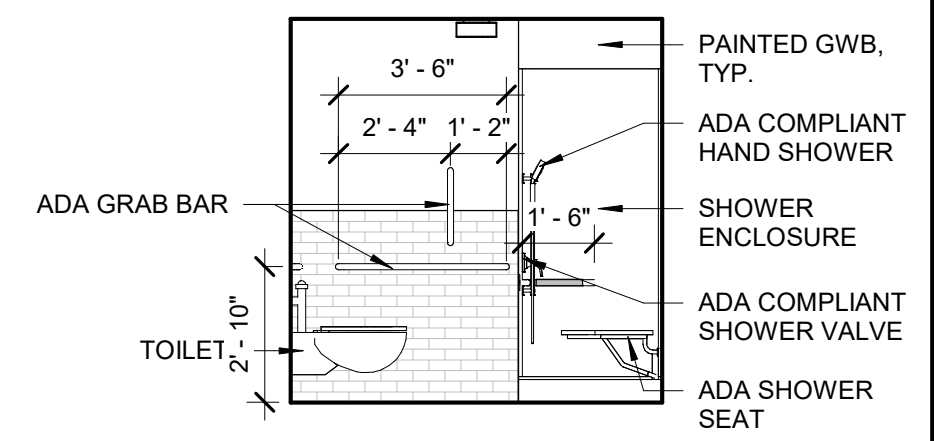
11 BATHROOM 112 (1)
1/4" = 1'-0"



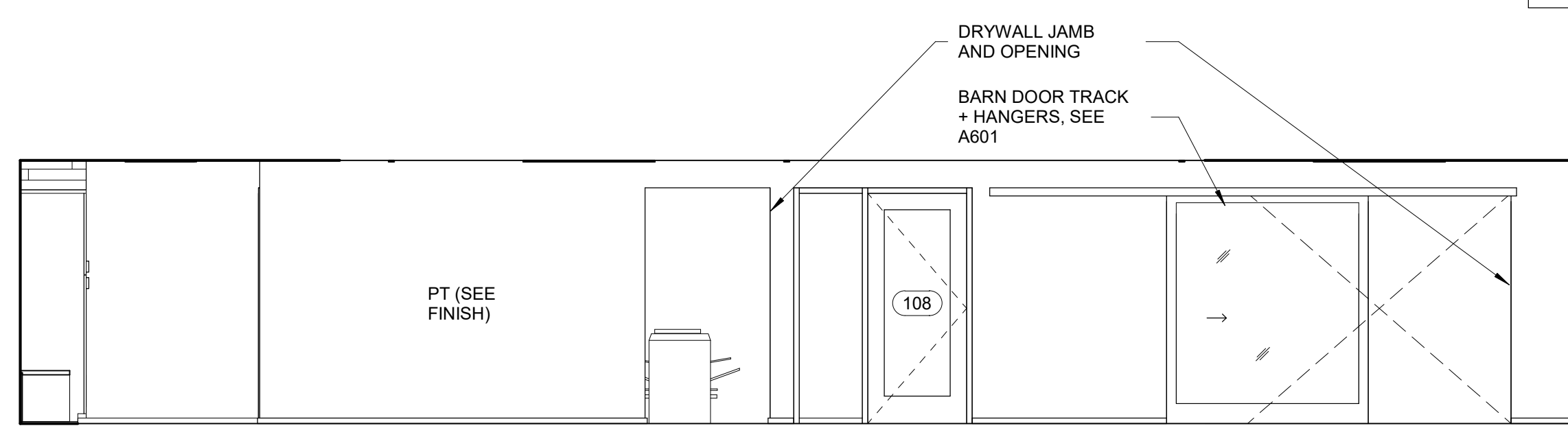
12 BATHROOM 112 (2)
1/4" = 1'-0"



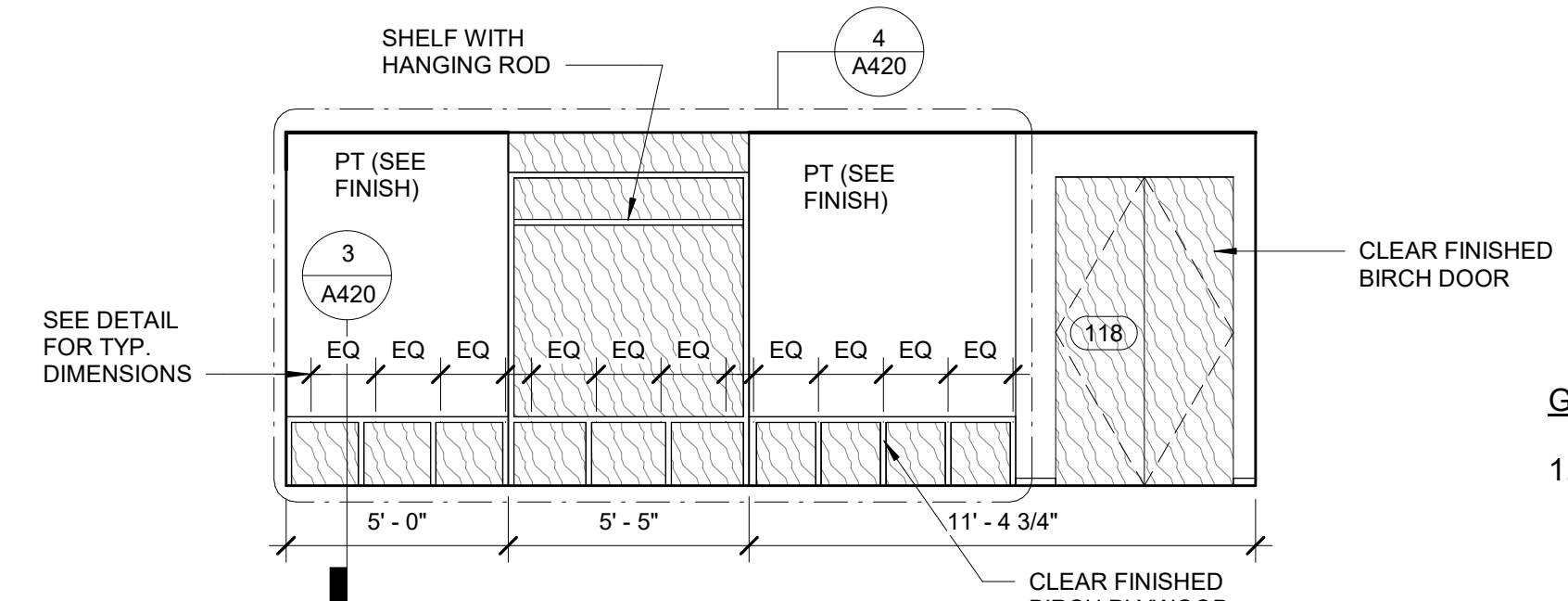
13 BATHROOM 112 (3)
1/4" = 1'-0"



14 BATHROOM 112 (4)
1/4" = 1'-0"



15 MUDROOM/HALLWAY 1
1/4" = 1'-0"



16 MUDROOM/ HALLWAY 2
1/4" = 1'-0"

GENERAL NOTES:

1. PROVIDE BLOCKING AS REQUIRED FOR ALL MOUNTING REQUIREMENTS

PROVIDE WIRING FOR SECURITY CAMERA, SECURITY SYSTEM BY OWNER

WOOD SIDING #2 - PINE 6" VERTICAL SIDING, NICKLE GAP, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

WOOD SIDING #1 - PINE 6" HORIZONTAL SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

WOOD CEILING #2 PINE V-GROOVE STK GRADE, CLEAR COAT

PROVIDE WIRING FOR SECURITY CAMERA, SECURITY SYSTEM BY OWNER

ARCHITECTURAL TAB ROOF SHINGLES
PROVIDE WIRING FOR SECURITY CAMERA, SECURITY SYSTEM BY OWNER

ARCHITECTURAL TAB ROOF SHINGLES

WOOD SIDING #1 - PINE 6" HORIZONTAL SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

WOOD SIDING #4 - 6" VERTICAL PINE SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

1 SOUTH-EAST ELEVATION
1/8" = 1'-0"

2 SOUTH-WEST ELEVATION
1/8" = 1'-0"

PROVIDE WIRING FOR SECURITY CAMERA, SECURITY SYSTEM BY OWNER

CARD ACCESS, POWER BY GC, CARD READER + DATA BY OWNER

WOOD SIDING #4 - 6" VERTICAL PINE SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

ARCHITECTURAL TAB ROOF SHINGLES

GUTTER ALONG ENTIRE EDGE, THIS ROOF

RAIN CHAIN

T.O. RIDGE NS 22' - 10 3/4"

T.O. WALL NS 11' - 0"

WOOD SIDING #4 - 6" VERTICAL PINE SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.
ERV INTAKE AND EXHAUST COORD. W/M-SERIES DRAWINGS

WOOD SIDING #1 - PINE 6" HORIZONTAL SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

4 NORTH-WEST ELEVATION
1/8" = 1'-0"

3 NORTH-EAST ELEVATION
1/8" = 1'-0"

WOOD SIDING #2 - PINE 6" VERTICAL SIDING, NICKLE GAP, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

EXTERIOR SCENCE, SEE LIGHTING SCHEDULE, TYP.

WOOD SIDING #1 - PINE 6" HORIZONTAL SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

ARCHITECTURAL TAB ROOF SHINGLES
ERV INTAKE AND EXHAUST COORD. W/M-SERIES DRAWINGS

WOOD SIDING #1 - PINE 6" HORIZONTAL SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

T.O. RIDGE NS 22' - 10 3/4"

T.O. WALL NS 11' - 0"

TICKETING H.P. PLATE HT 9' - 8"

TICKETING L.P. PLATE HT 7' - 10"

T.O. SLAB 0' - 0"

5 TICKETING NORTH-EAST ELEVATION
1/8" = 1'-0"

7 CENTER TICKETING SOUTH-WEST ELEVATION
1/8" = 1'-0"

6 CENTER TICKETING NORTH-EAST ELEVATION
1/8" = 1'-0"

8 VESTIBULE SOUTH-WEST ELEVATION
1/8" = 1'-0"

WOOD SIDING #3 PINE 6" HORIZONTAL CHANNEL RUSTIC SIDING, STK GRADE, CLEAR COAT

METAL TICKETING TRANSACTION COUNTER

WOOD SIDING #3 PINE 6" HORIZONTAL CHANNEL RUSTIC SIDING, STK GRADE, CLEAR COAT

ERV INTAKE AND EXHAUST COORD. W/M-SERIES DRAWINGS

T.O. RIDGE ADM 19' - 7 1/4"

T.O. WALL ADM 9' - 6"

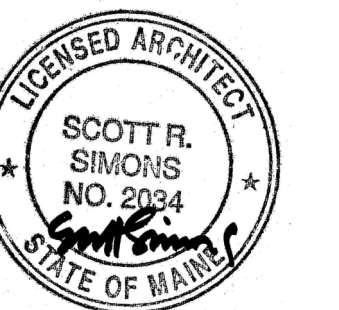
WOOD SIDING #4 - 6" VERTICAL PINE SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

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EXTERIOR ELEVATIONS

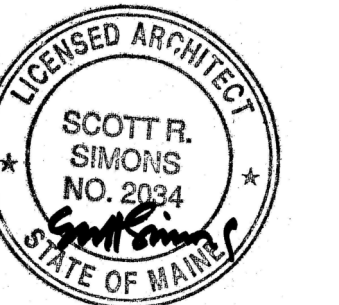


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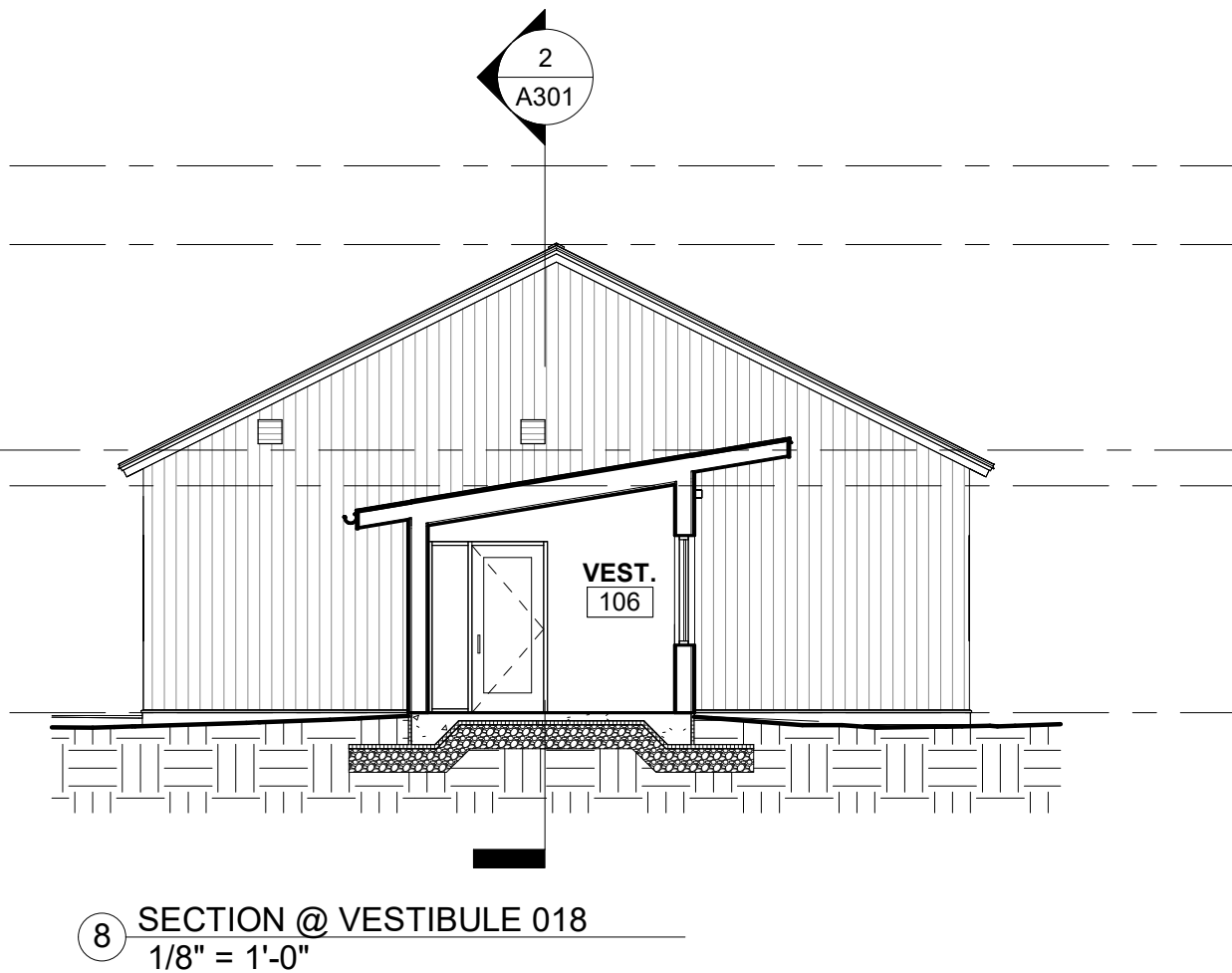
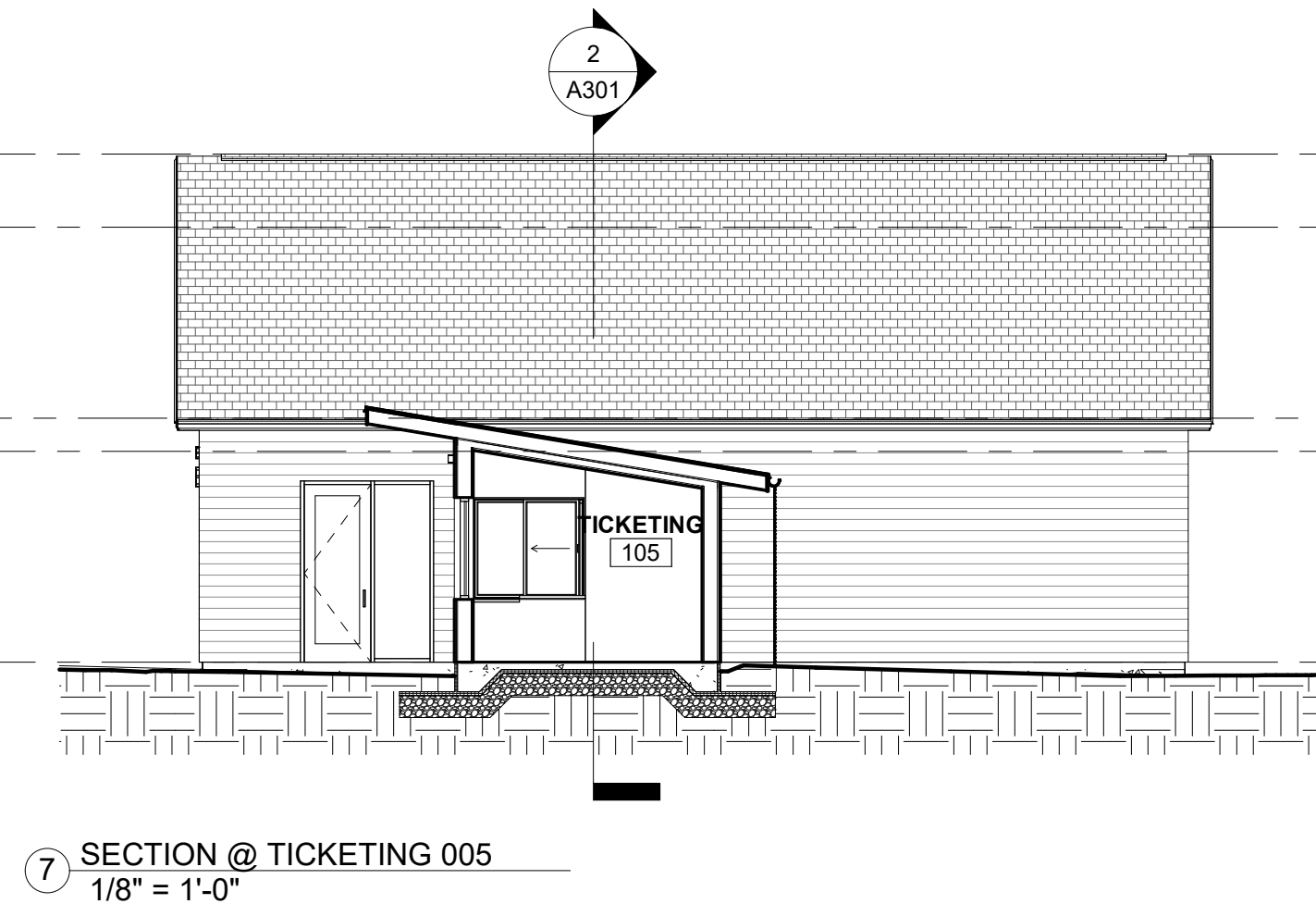
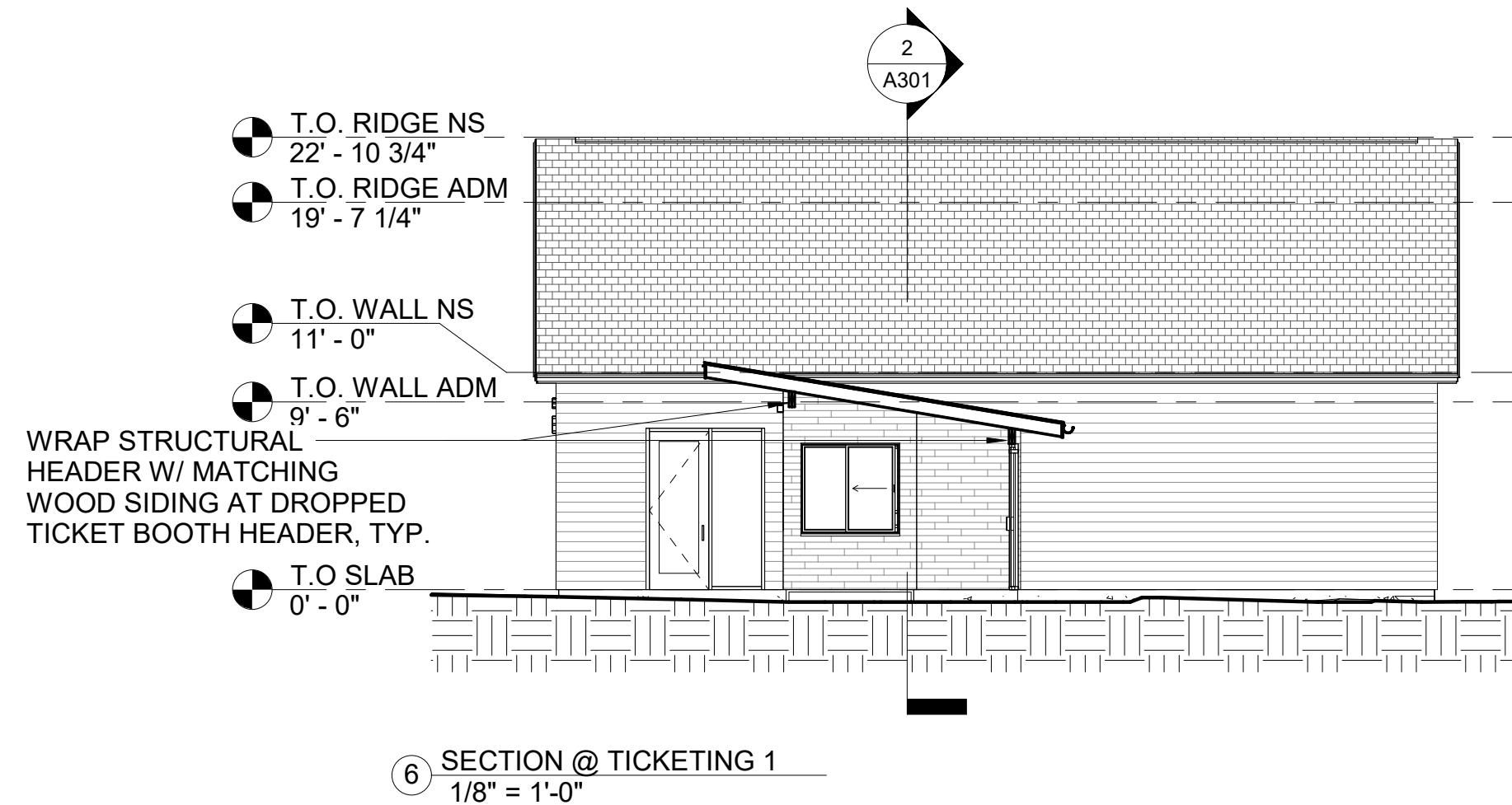
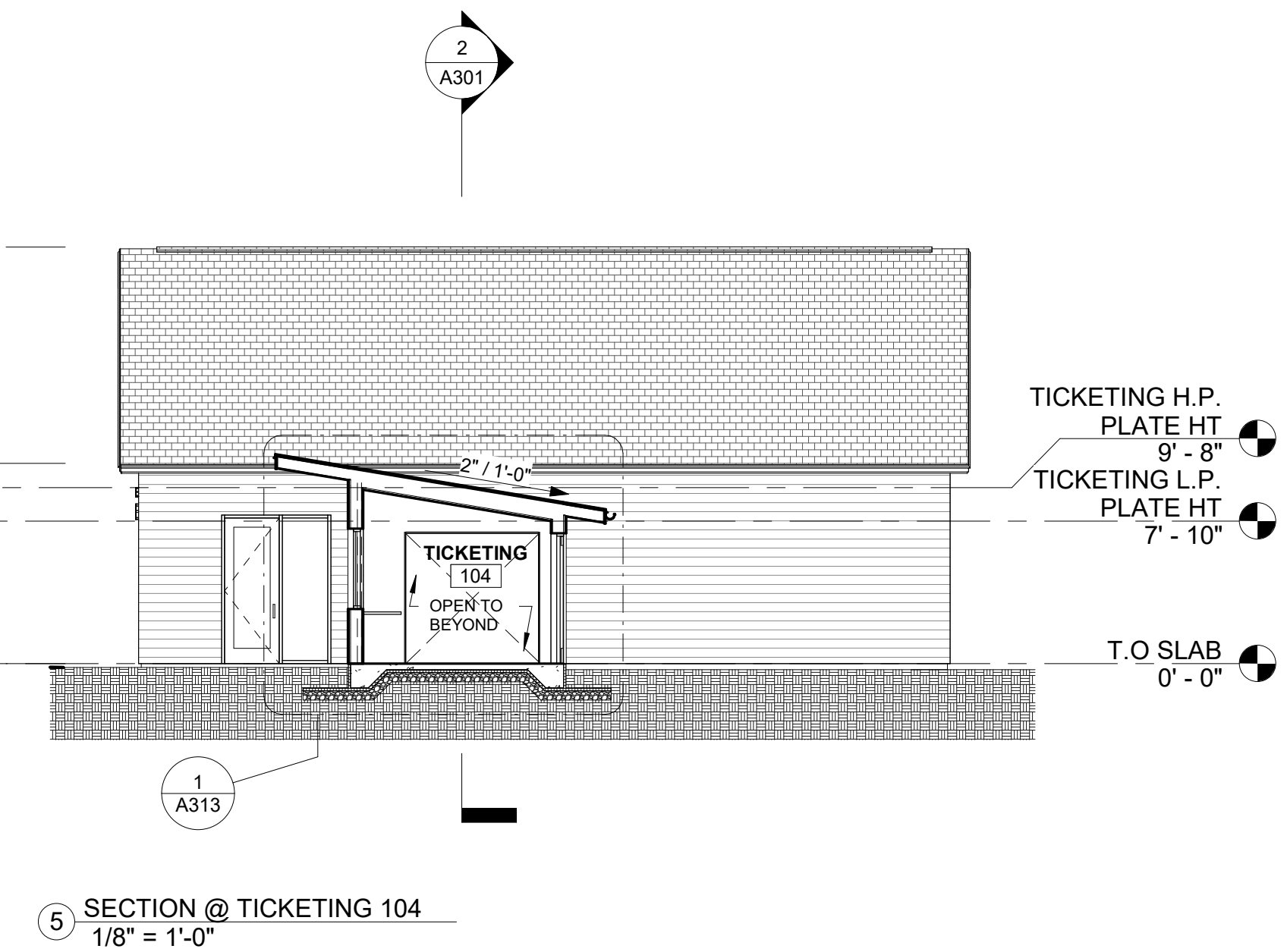
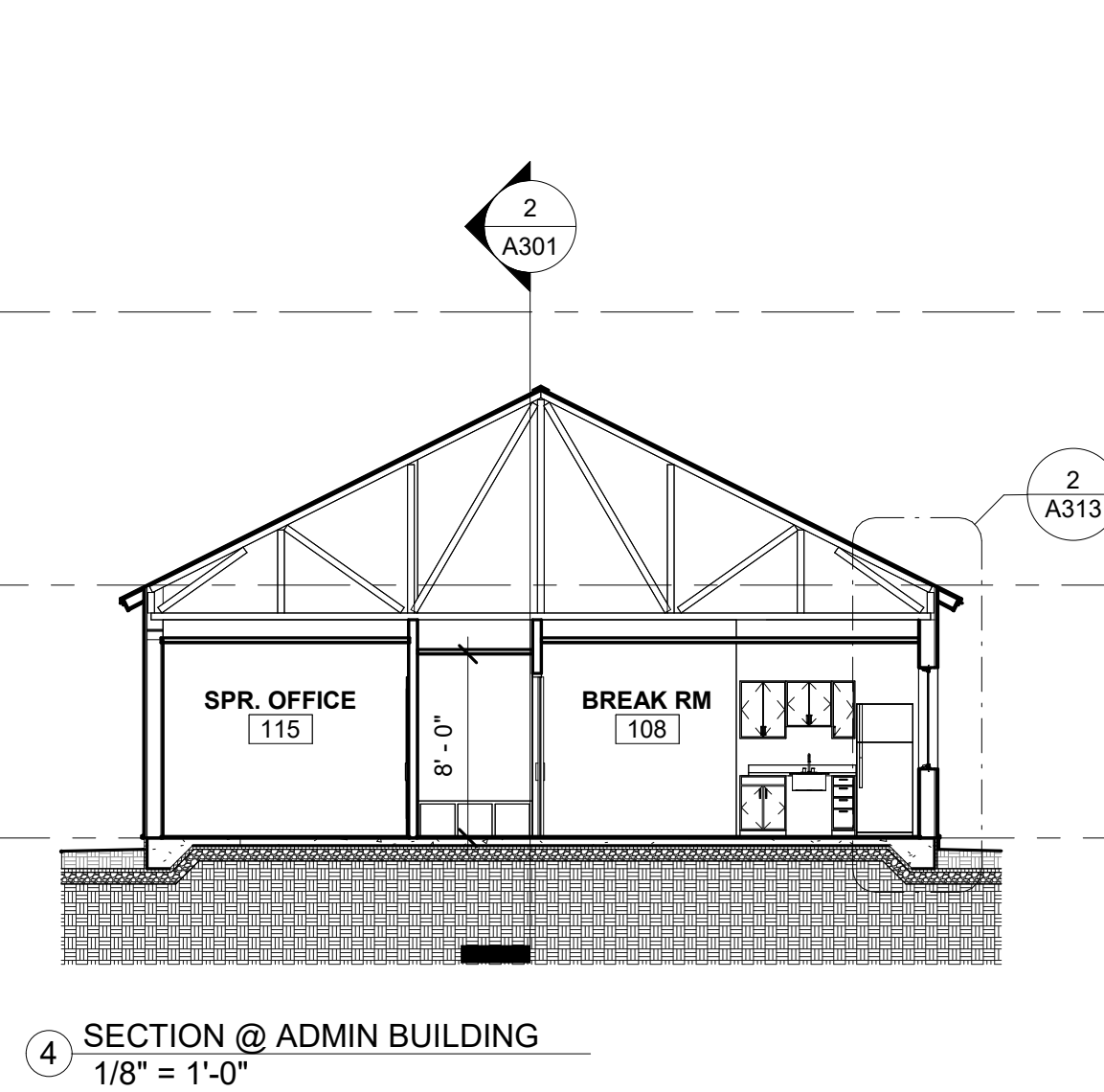
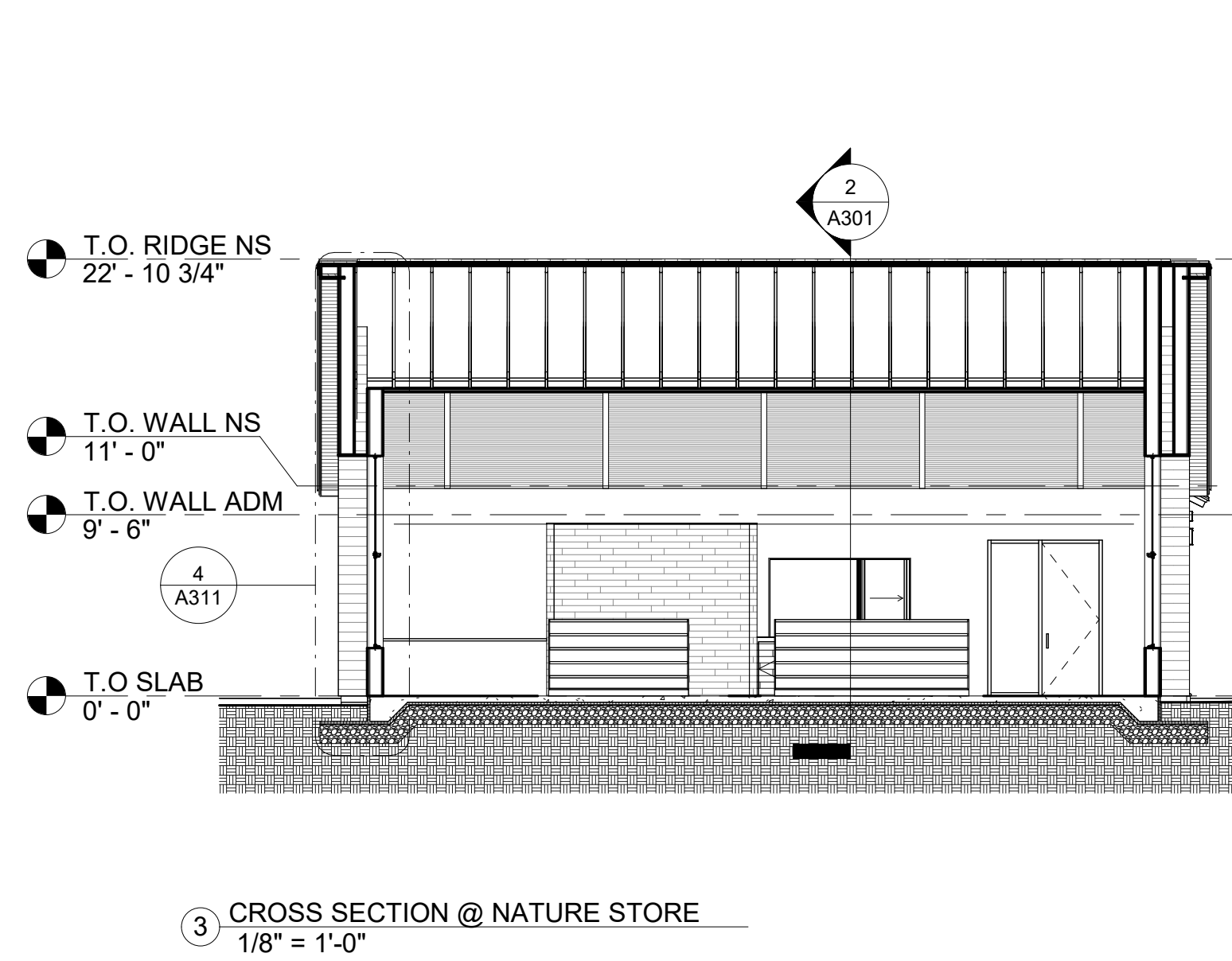
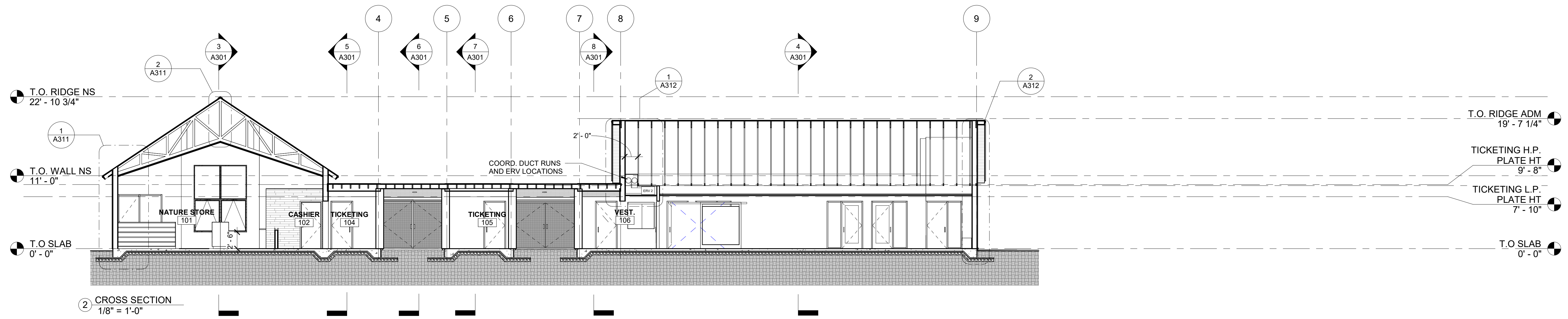
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**BUILDING
SECTIONS**

A301



T.O. RIDGE NS
22' - 10 3/4"

MAINTAIN 2" MIN.
CLEAR, TO ALLOW
FOR VENTILATION
ATTIC INSULATION
SOFFIT BAFFLE, TYP.

CONTINUOUS, RIM
BOARD BLOCKING

METAL DRIP
EDGE FLASHING,
TYP.

T.O. WALL NS
11' - 0"

VENTED SOFFIT

EW1

RIDGE VENT
ARCHITECTURAL
ASPHALT SHINGLES

BLOWN IN CELLULOSE
INSULATION, SEE A000
FOR MIN. R VALUE REQ.

SCISSOR TRUSS,
SEE STRUCTURAL
DRAWINGS, TYP.

CLEAR FINISH WOOD
CEILING, SEE RCPS &
FINISH SCHEDULE

2 ROOF DETAIL @ NATURE STORE
1" = 1'-0"

HAUNCH SLAB, SEE
STRUCTURAL DRAWINGS

FINAL GRADE, SLOPE
AWAY FROM BUILDING,
SEE CIVIL DRAWINGS

T.O. SLAB
0' - 0"

2" RIDGID XPS
TYPE VI INSULATION
EXTEND FULL HEIGHT
OF THICKNESS SLAB
INSULATION

6" WELL DRAINING,
GRAVEL, SEE
STRUCTURAL
DRAWINGS, TYP.

1 TYPICAL WALL SECTION @ NATURE STORE
1" = 1'-0"

1'-2"
F.O.F. TO DRIP EDGE

SCISSOR TRUSS,
SEE STRUCTURAL
DRAWINGS, TYP.

CLEAR FINISH WOOD
CEILING, SEE
RCPS &
FINISH SCHEDULE

PTD GWB

EW 1

3 TYPICAL NATURE STORE WALL SECTION @ GABLE END
1" = 1'-0"

3
A411

EW 2

CONT. VERTICAL
SIDING @ HORIZONTAL
PLANE AND ALIGN
BOARDS + REVEALS

CLEAR FINISH T&G
WOOD SOFFIT

FINAL GRADE, SLOPE
AWAY FROM BUILDING,
SEE CIVIL DRAWINGS

6" WELL DRAINING,
GRAVEL, SEE
STRUCTURAL
DRAWINGS, TYP.

4 TYPICAL NATURE STORE WALL SECTION @ WINDOW
1" = 1'-0"

SCISSOR TRUSS,
SEE STRUCTURAL
DRAWINGS, TYP.

CLEAR FINISH WOOD
CEILING,
SEE RCPS &
FINISH SCHEDULE

ALUM. CLAD
WOOD WINDOW
SEE A201/A602

WALL TYPE EW1
BEYOND

EW 2

RIDGE VENT

BUILD WALL TO
MATCH PROFILE
OF TRUSS
BOTTOM CHORD
AT WINDOW
RECESS

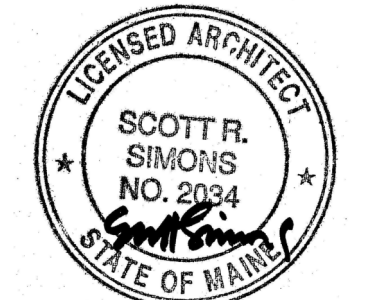


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207.772.4656

PROJECT NAME:
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WALL SECTIONS

A311

T.O. RIDGE ADM
19' - 7 1/4"

METAL DRIP EDGE
FLASHING, TYP.

1
A412

WOOD FRAMED TRUSS, SEE
STRUCTURAL DRAWINGS, TYP.

2
A412

T.O. WALL ADM
9' - 6"

ERV 2

PIANO HINGE

CAM LOCK
AND LATCH

HATCH IN WOOD CEILING FOR
ERV ACCESS. SIZE HATCH
OPENING FOR 2" TOLLERANCE
AROUND ERV.

1 SHED ROOF TO GABLE END INTERSECTION
1" = 1'-0"

T.O. SLAB
0' - 0"

2 CROSS SECTION - Callout 3
1" = 1'-0"

3 Section 6
1" = 1'-0"

4 Section 5
1" = 1'-0"

METAL DRIP EDGE
FLASHING, TYP.

1
A412

WOOD FRAMED TRUSS,
SEE STRUCTURAL
DRAWINGS, TYP.

1
A412

METAL DRIP EDGE
FLASHING, TYP.

ATTIC INSULATION
AIR / VAPOR BARRIER

ALUMINUM STOREFRONT

2
A603

WOOD FRAMED TRUSS,
SEE STRUCTURAL
DRAWINGS, TYP.

MAINTAIN 2" MIN.
CLEAR, TO ALLOW
FOR VENTILATION

ATTIC INSULATION
SOFFIT BAFFLE, TYP.

CONTINUOUS,
RIM
BOARD
BLOCKING

METAL DRIP
EDGE
FLASHING,
TYP.

VENTED
SOFFIT

3
A412

LVL, SEE STRUCTURAL

ALUMINUM STOREFRONT

3
A603



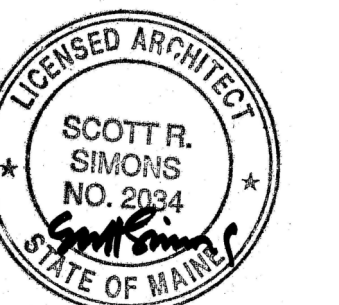
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WALL SECTIONS

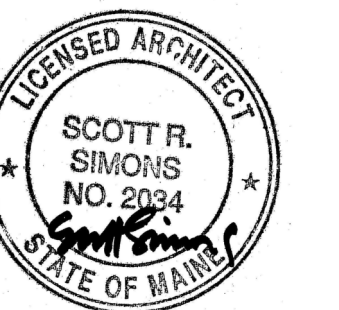
A312

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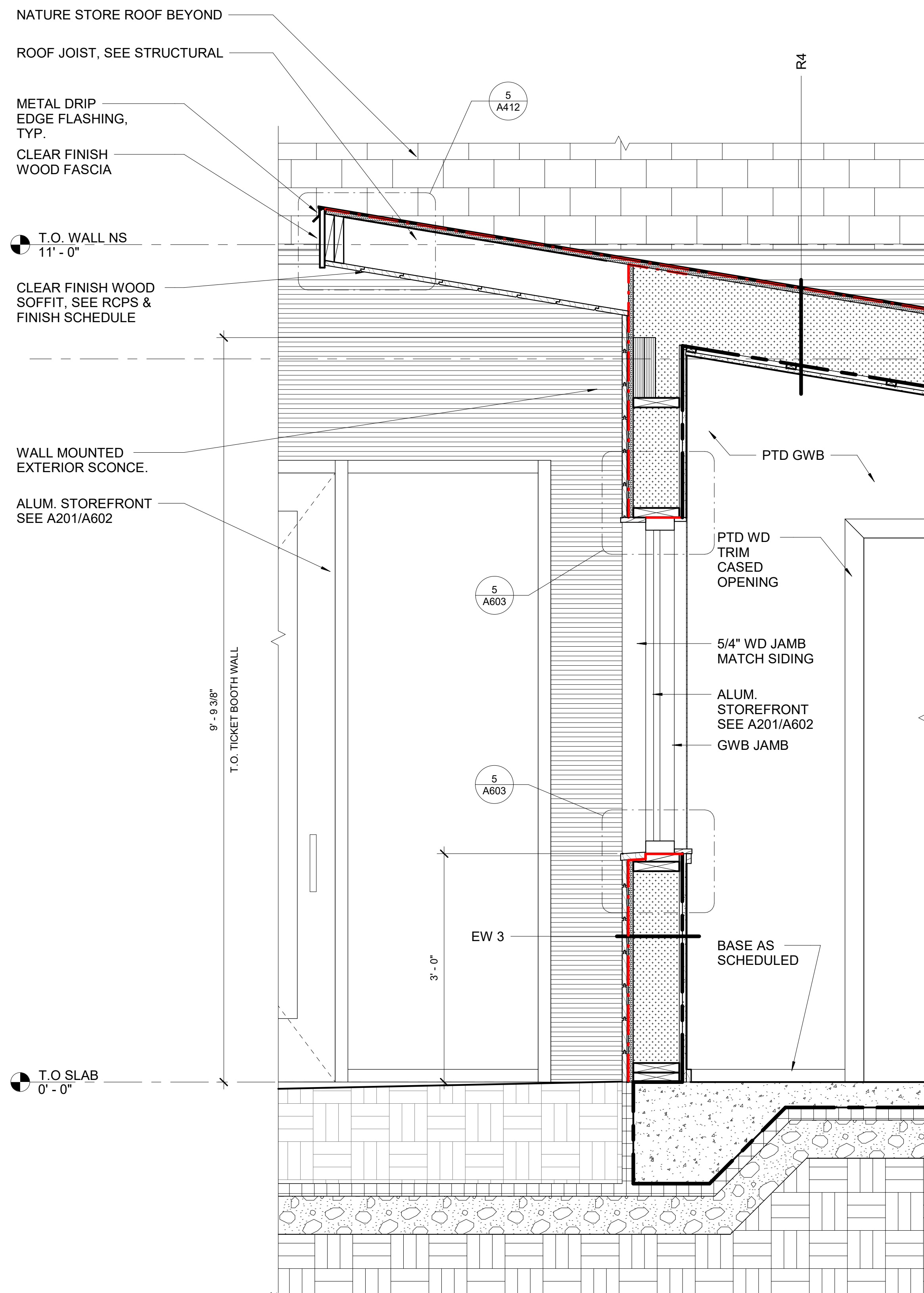
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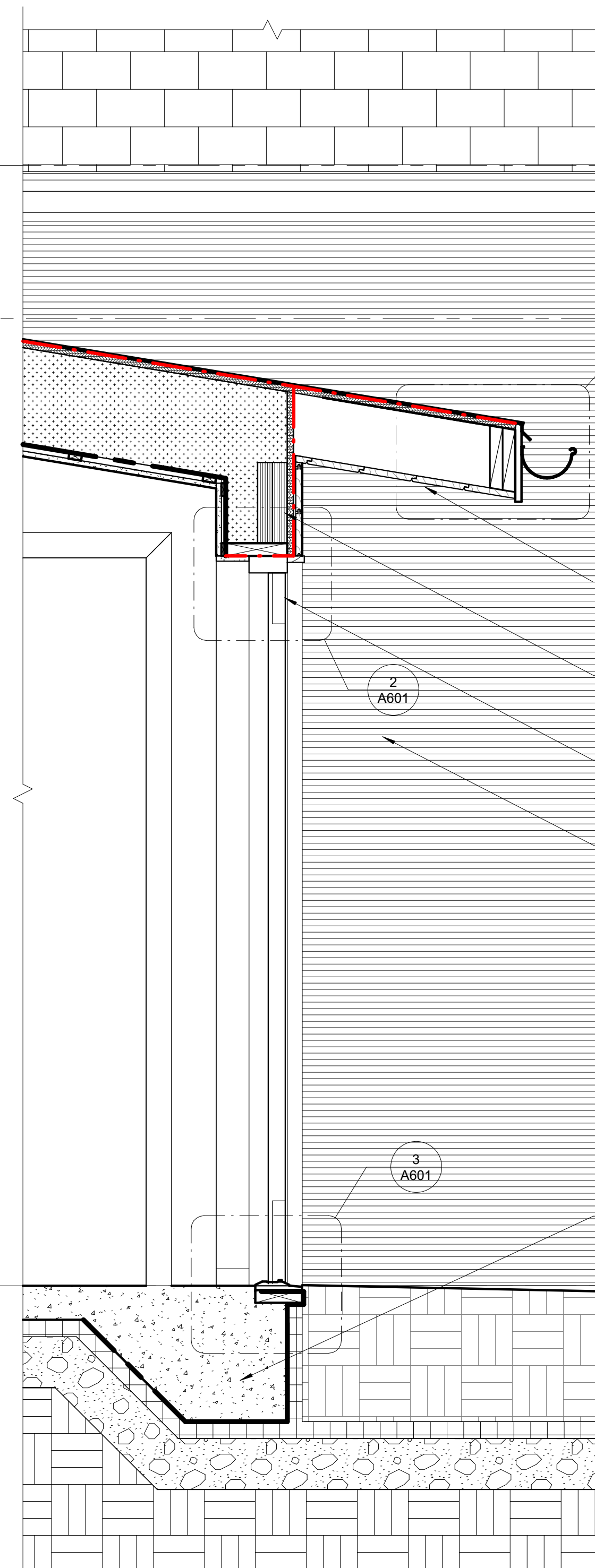
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WALL SECTIONS

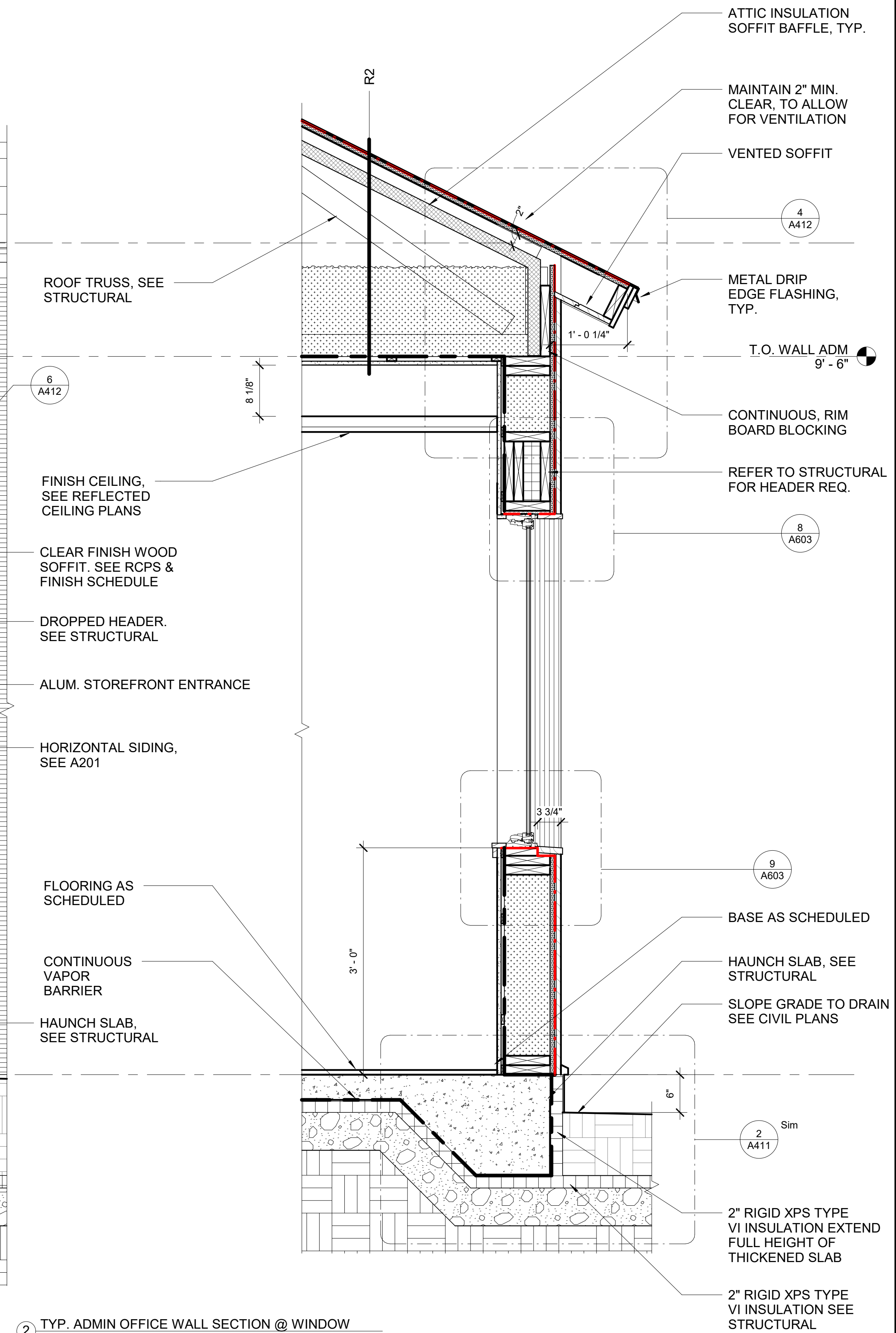
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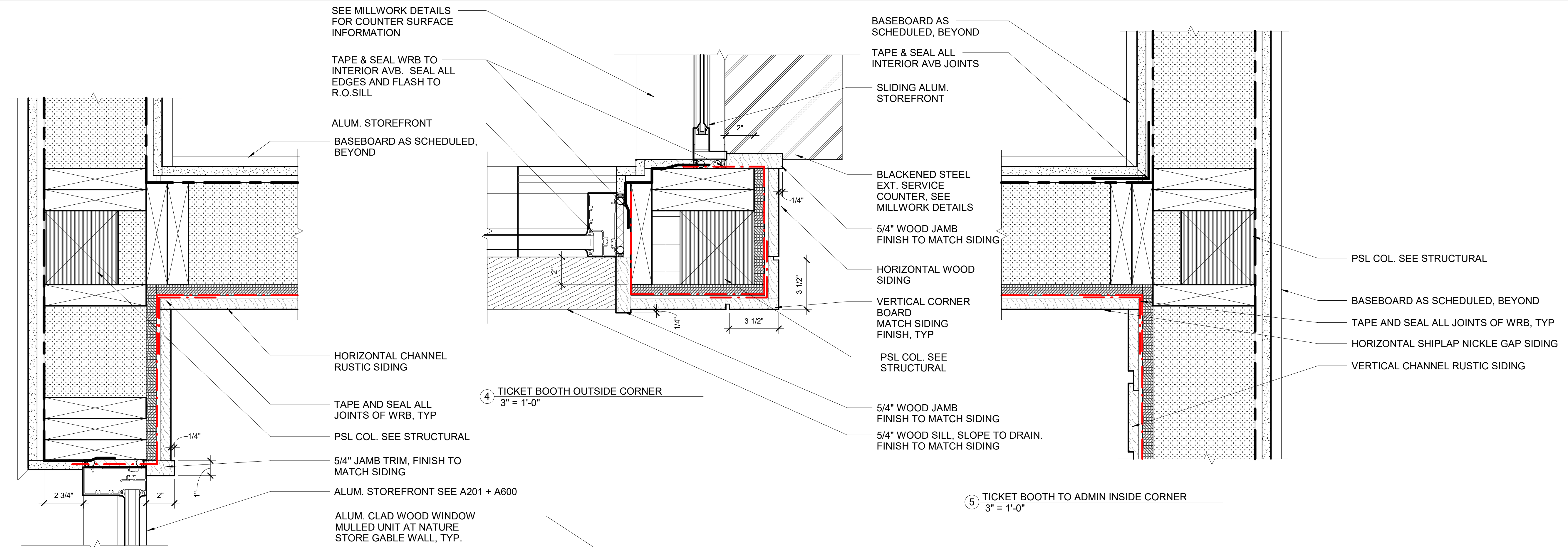
1 TYP. TICKETING WALL SECTION
1" = 1'-0"



2 TYP. ADMIN OFFICE WALL SECTION @ WINDOW
1" = 1'-0"



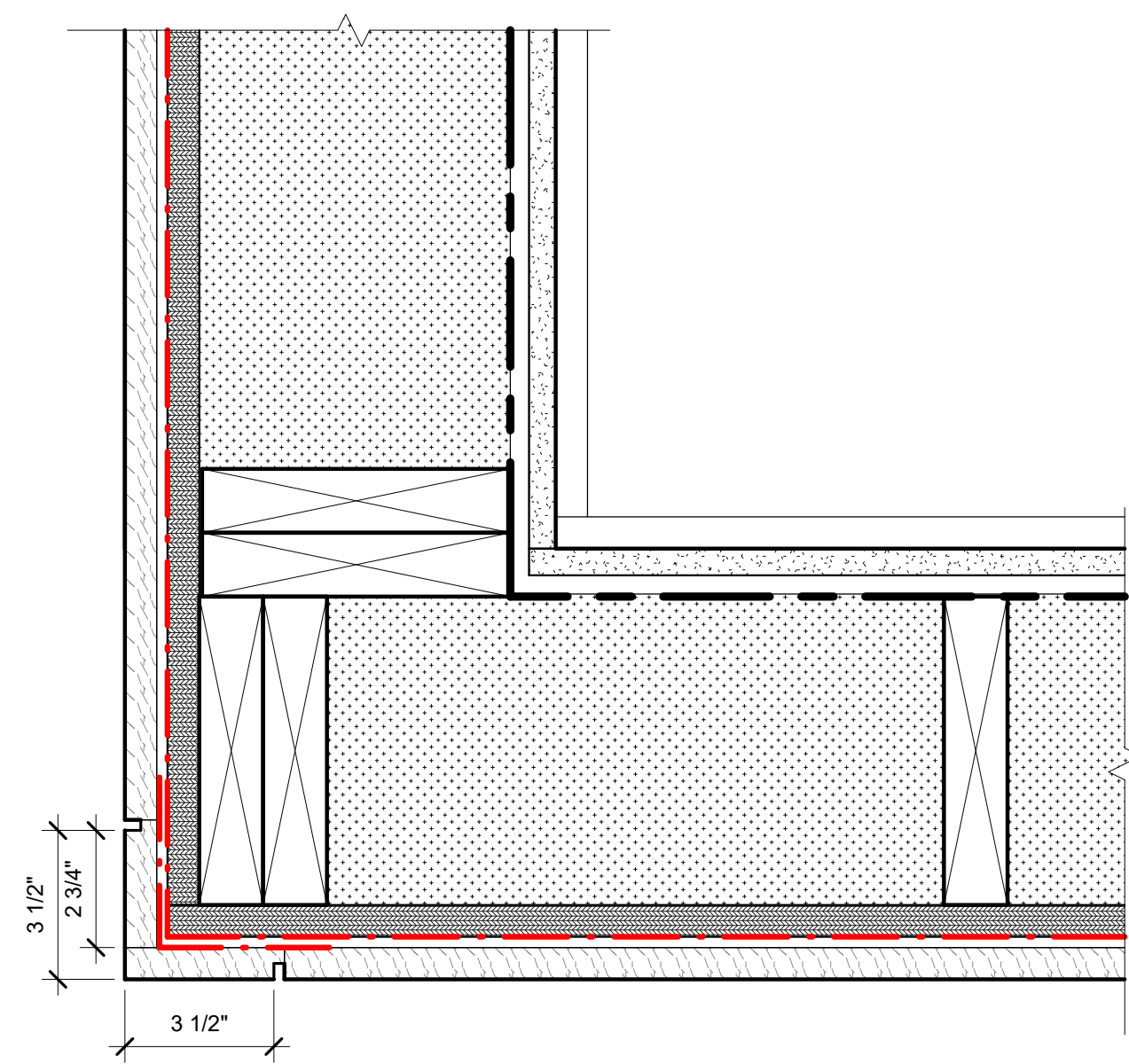
2 TYP. ADMIN OFFICE WALL SECTION @ WINDOW
1" = 1'-0"



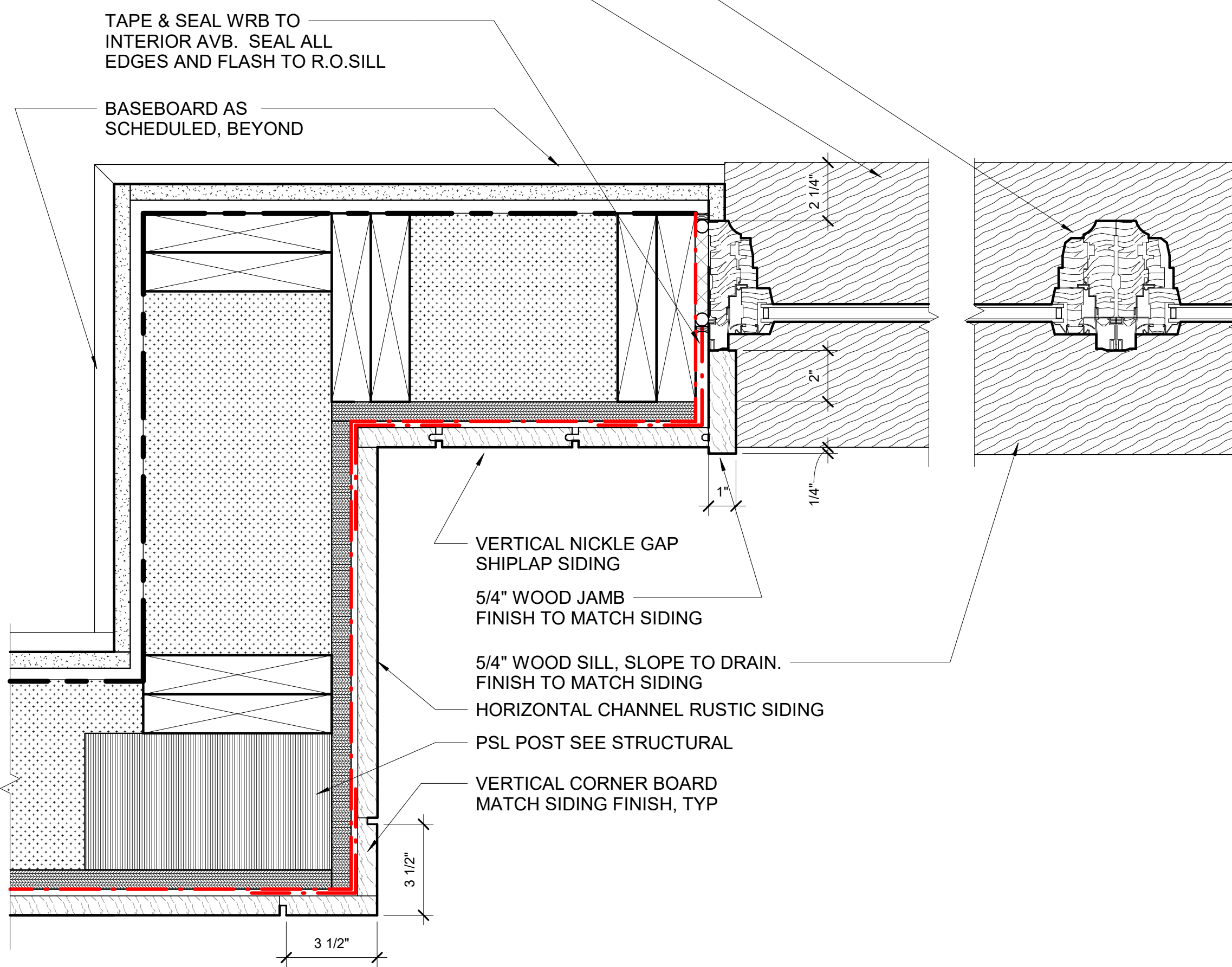
3 NATURE STORE TO TICKET BOOTH INSIDE CORNER
3" = 1'-0"

4 TICKET BOOTH OUTSIDE CORNER
3" = 1'-0"

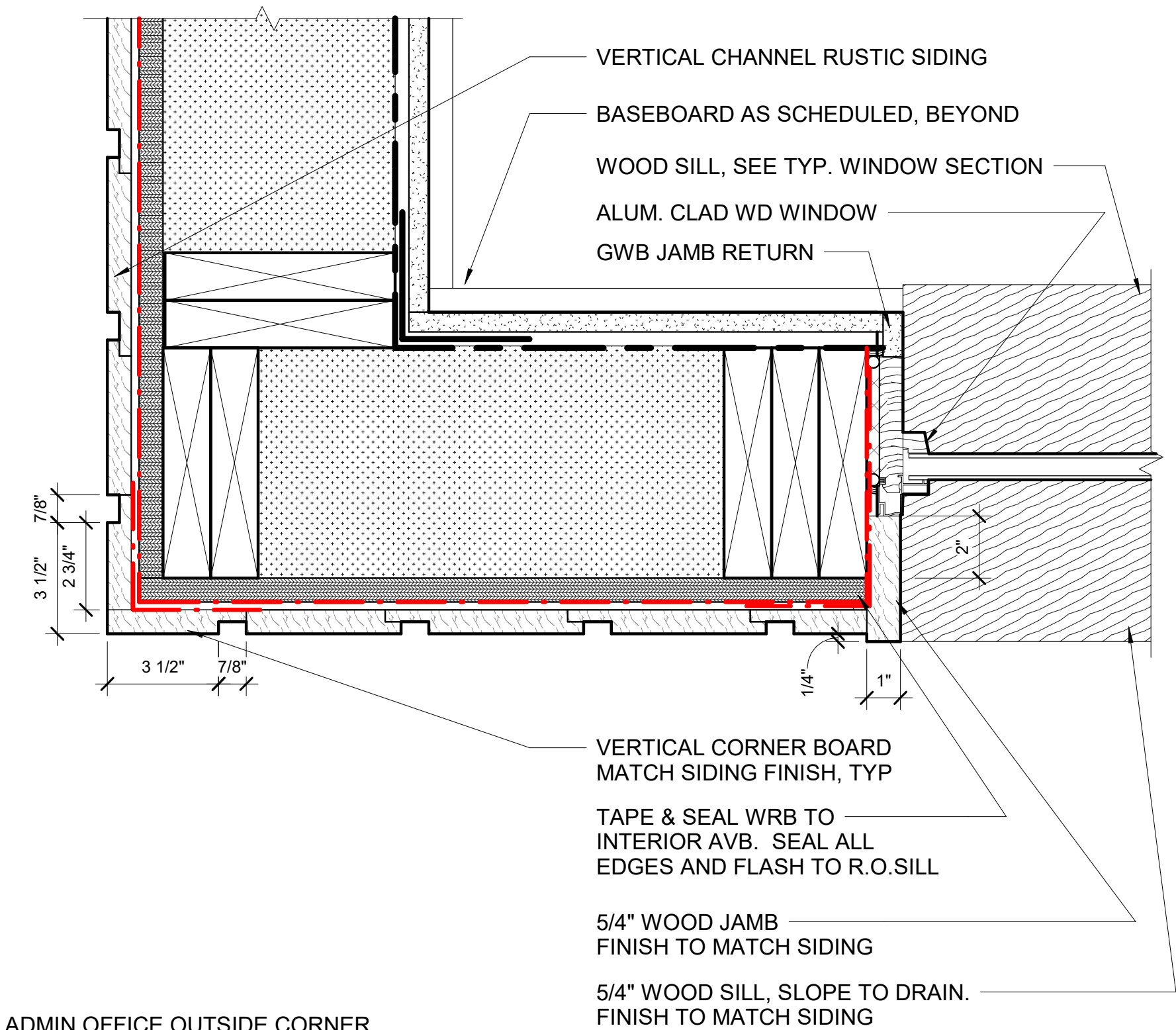
5 TICKET BOOTH TO ADMIN INSIDE CORNER
3" = 1'-0"



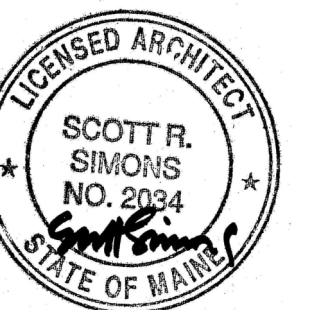
1 TYP. NATURE STORE OUTSIDE CORNER
3" = 1'-0"

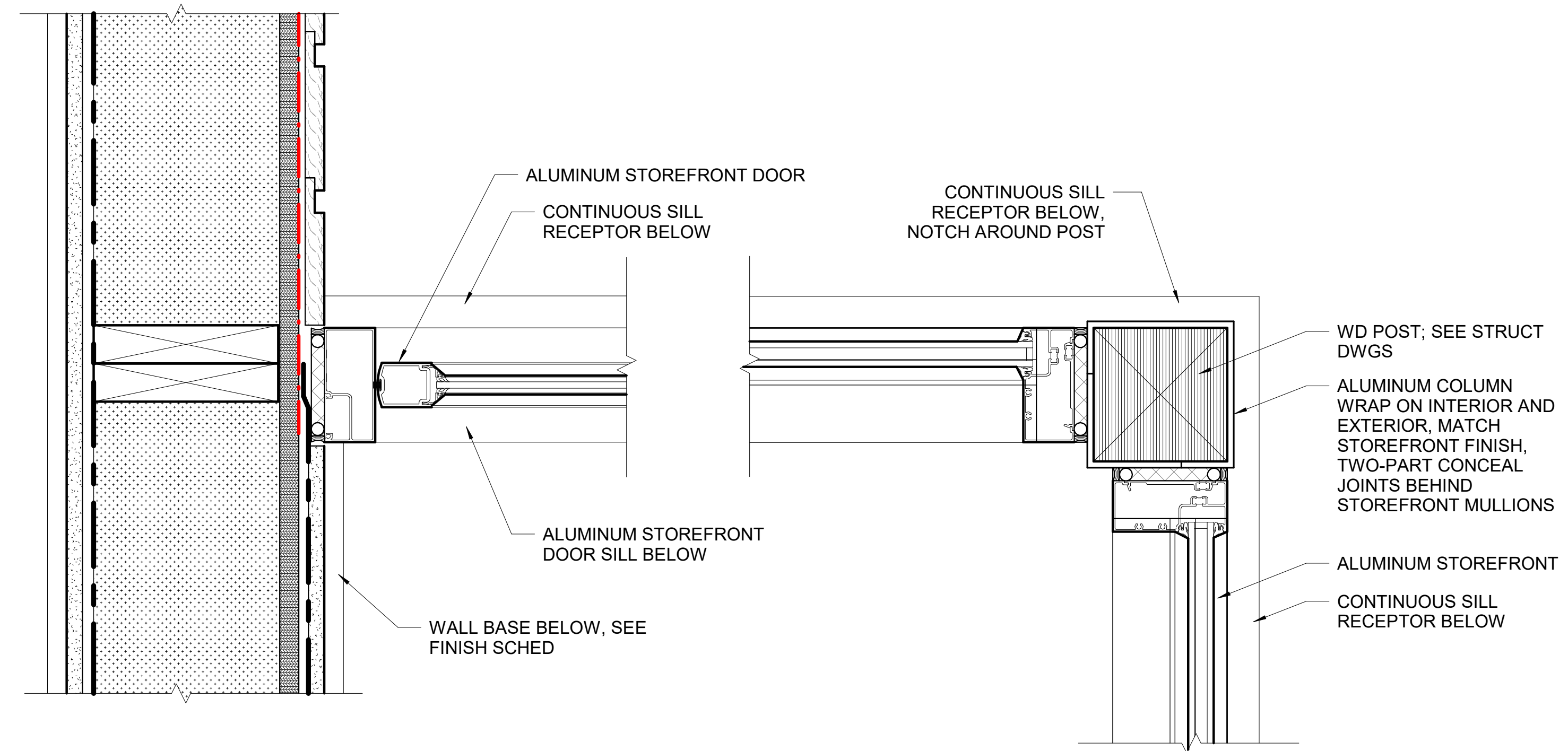


2 NATURE STORE INSIDE CORNER + MULLED WINDOW
3" = 1'-0"



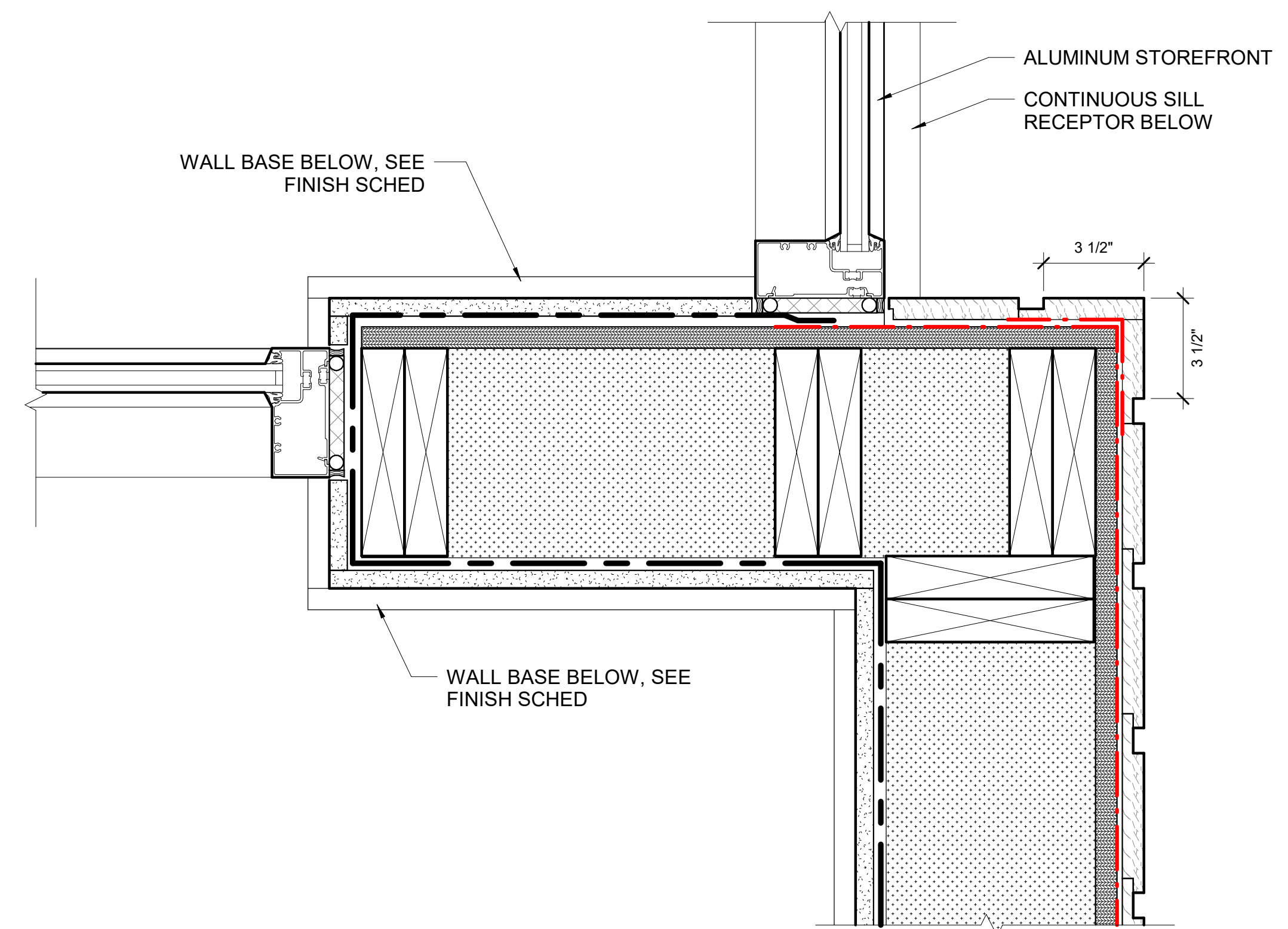
6 TYP. ADMIN OFFICE OUTSIDE CORNER
3" = 1'-0"





① ADMIN ENTRY VESTIBULE AT DOOR
3" = 1'-0"

② ADMIN ENTRY VESTIBULE AT STOREFRONT CORNER
3" = 1'-0"



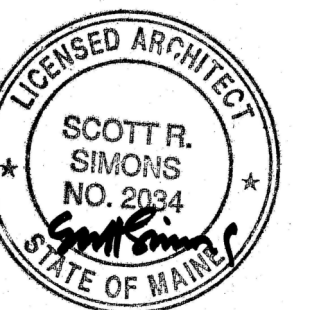
③ ADMIN ENTRY VESTIBULE AT STOREFRONT / WALL INTERFACE
3" = 1'-0"

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PLAN DETAILS

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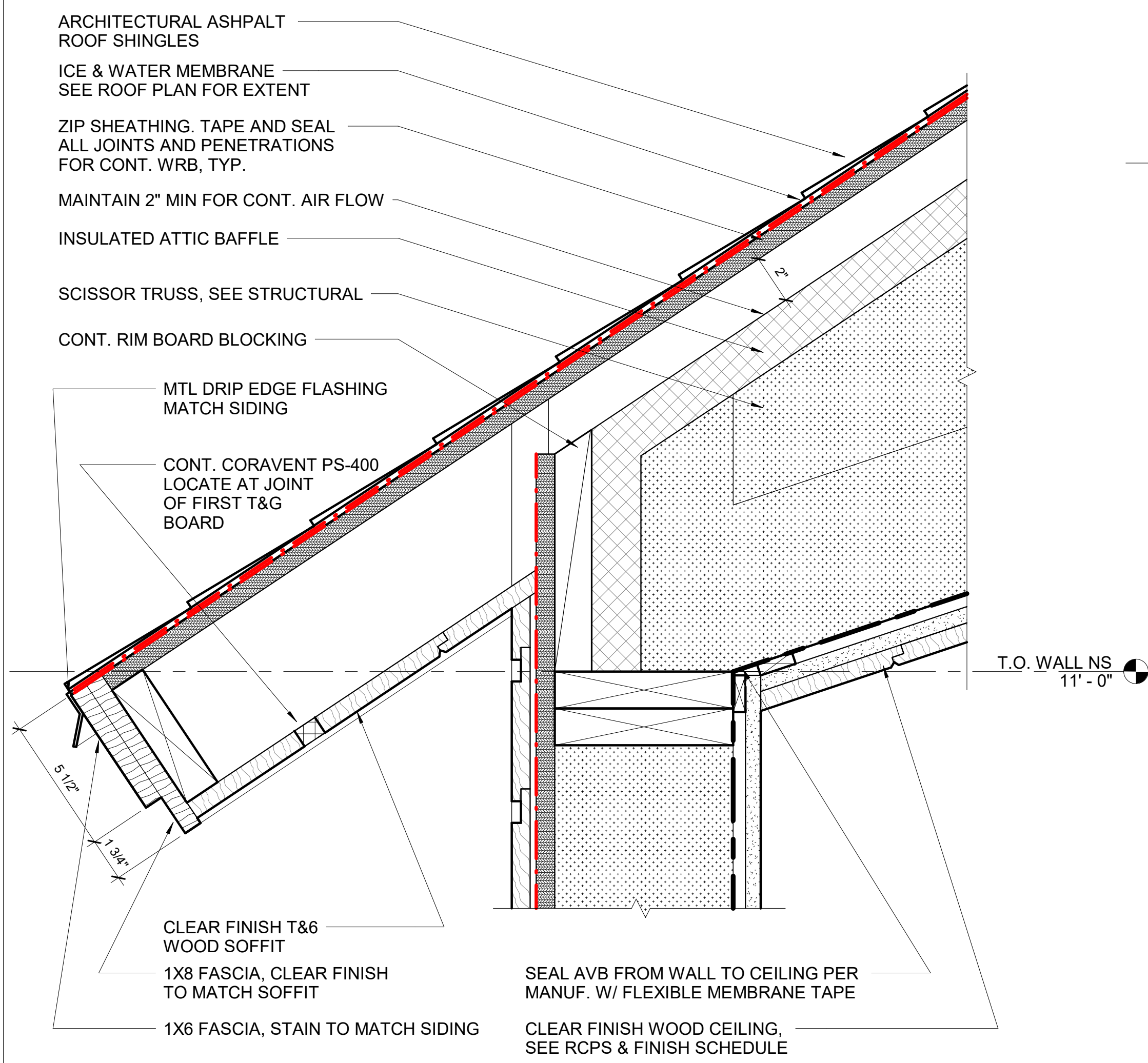
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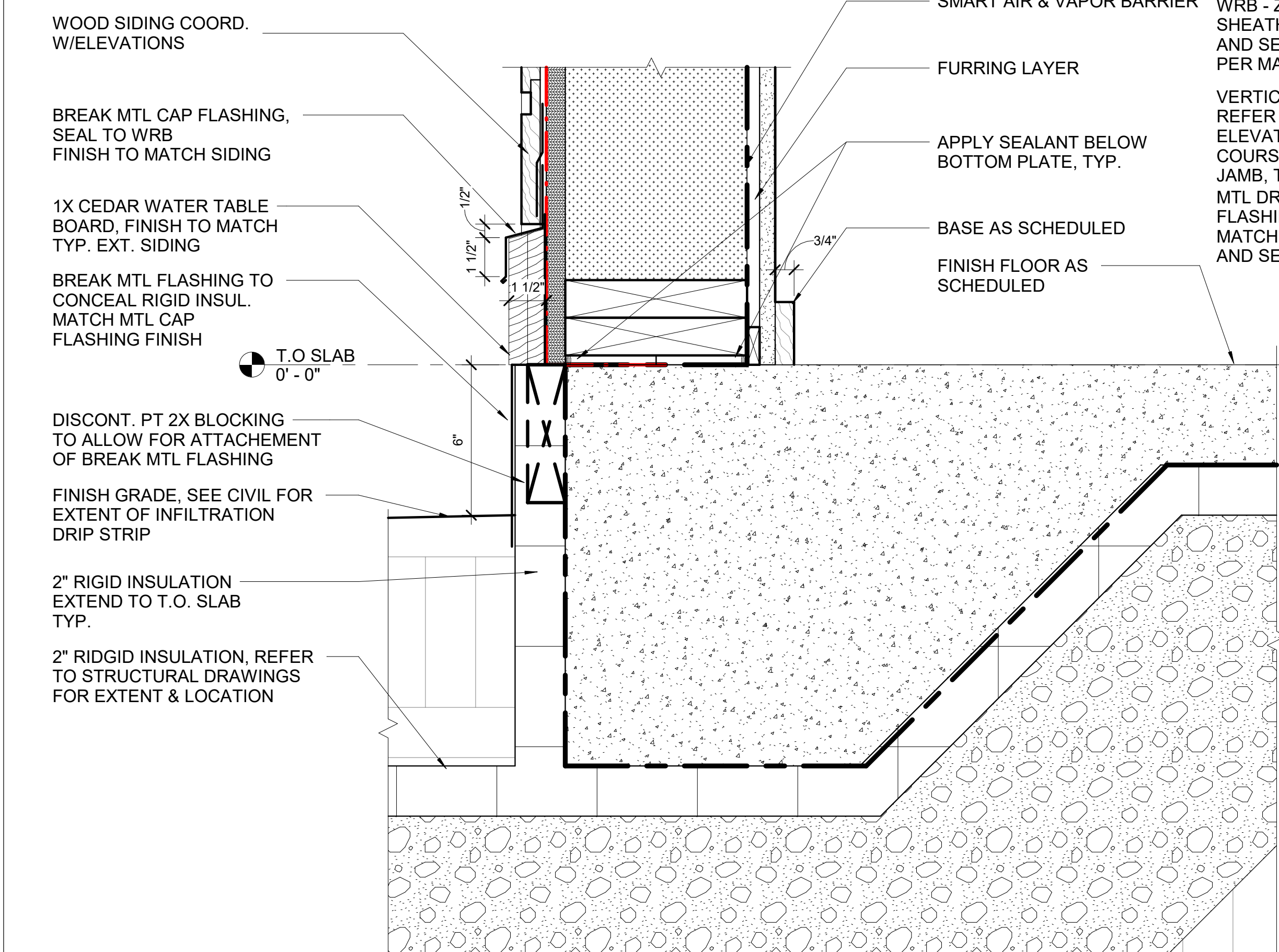
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**VERTICAL
DETAILS**

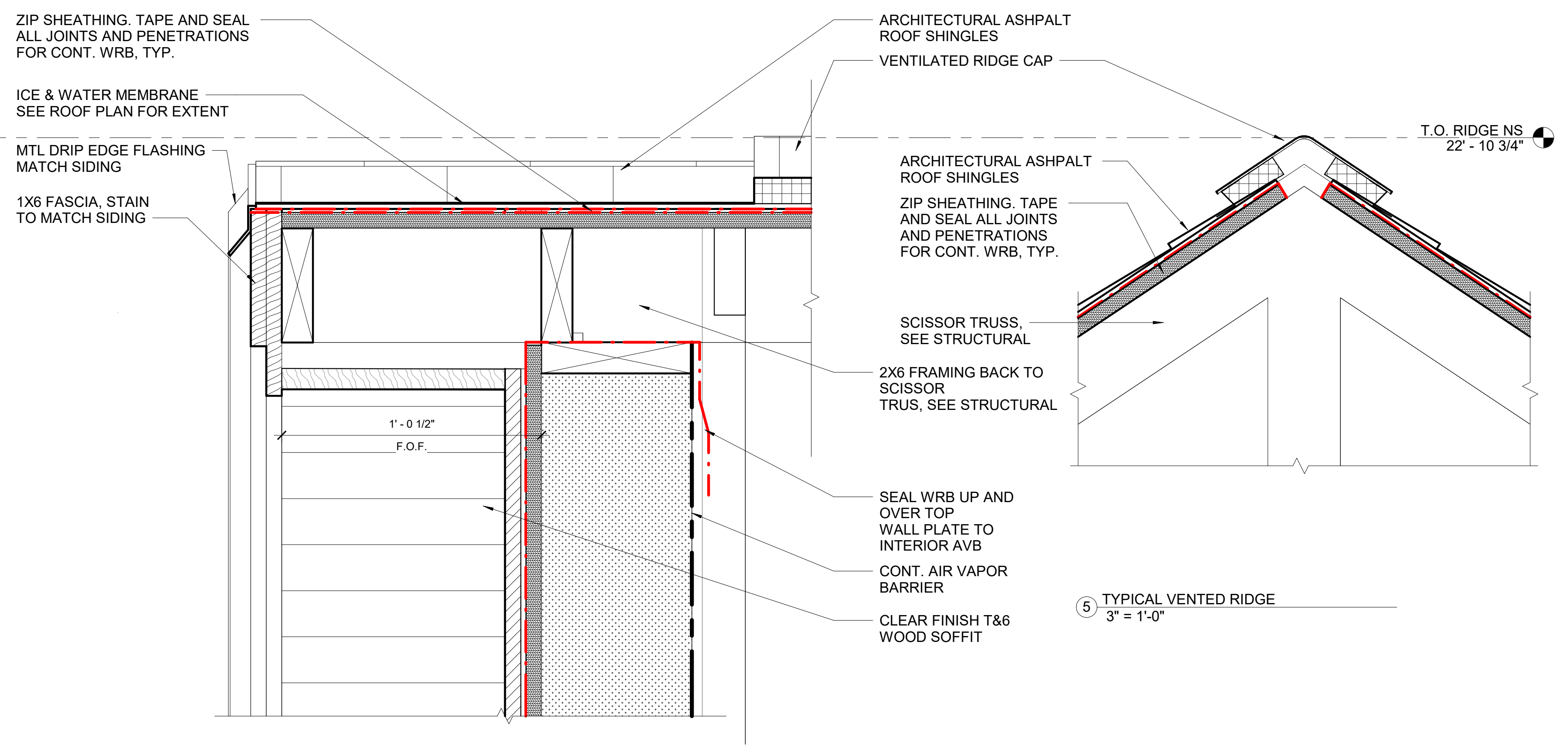
A411



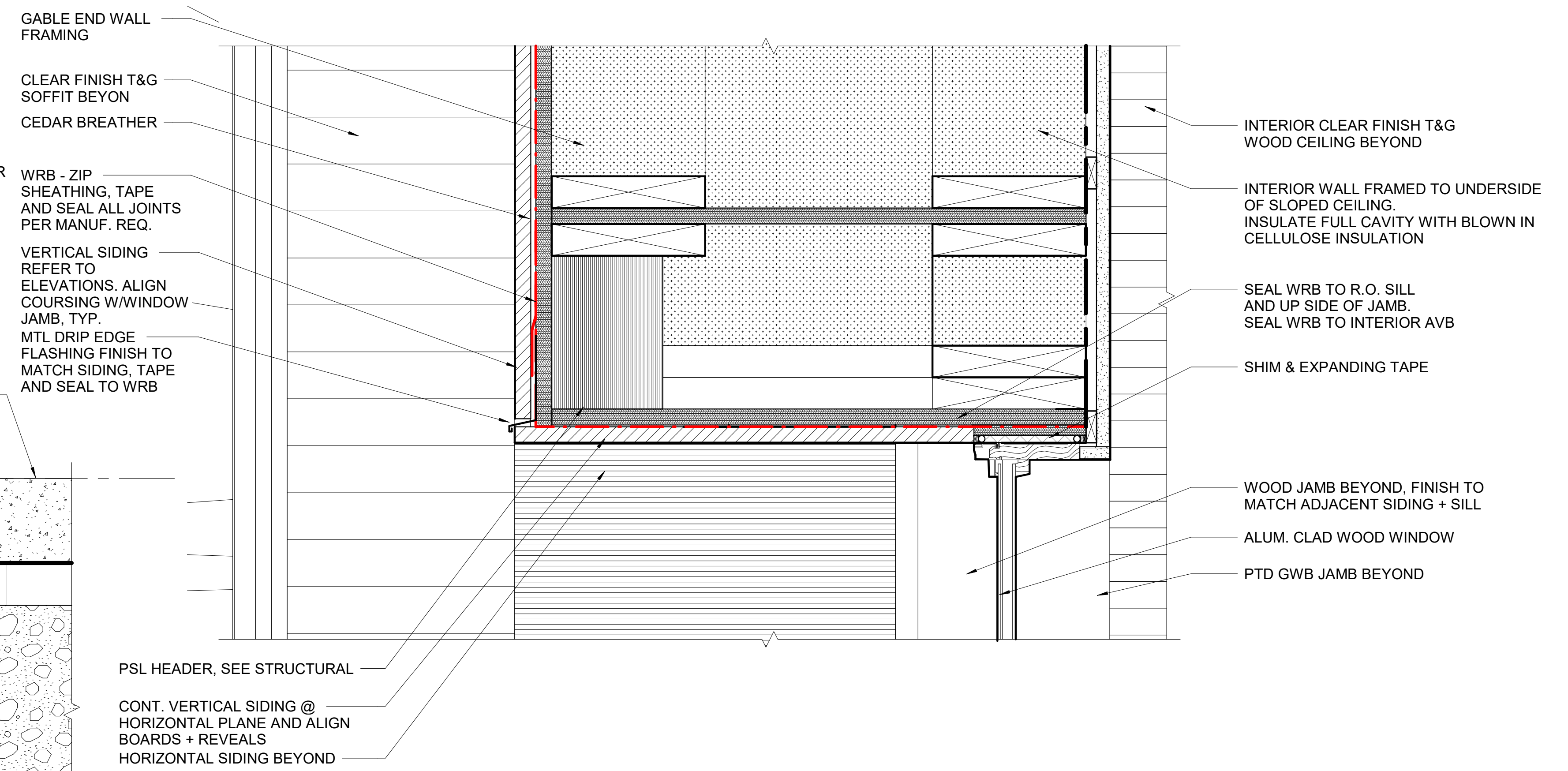
1 TYPICAL EAVE DETAIL @ NATURE STORE
3" = 1'-0"



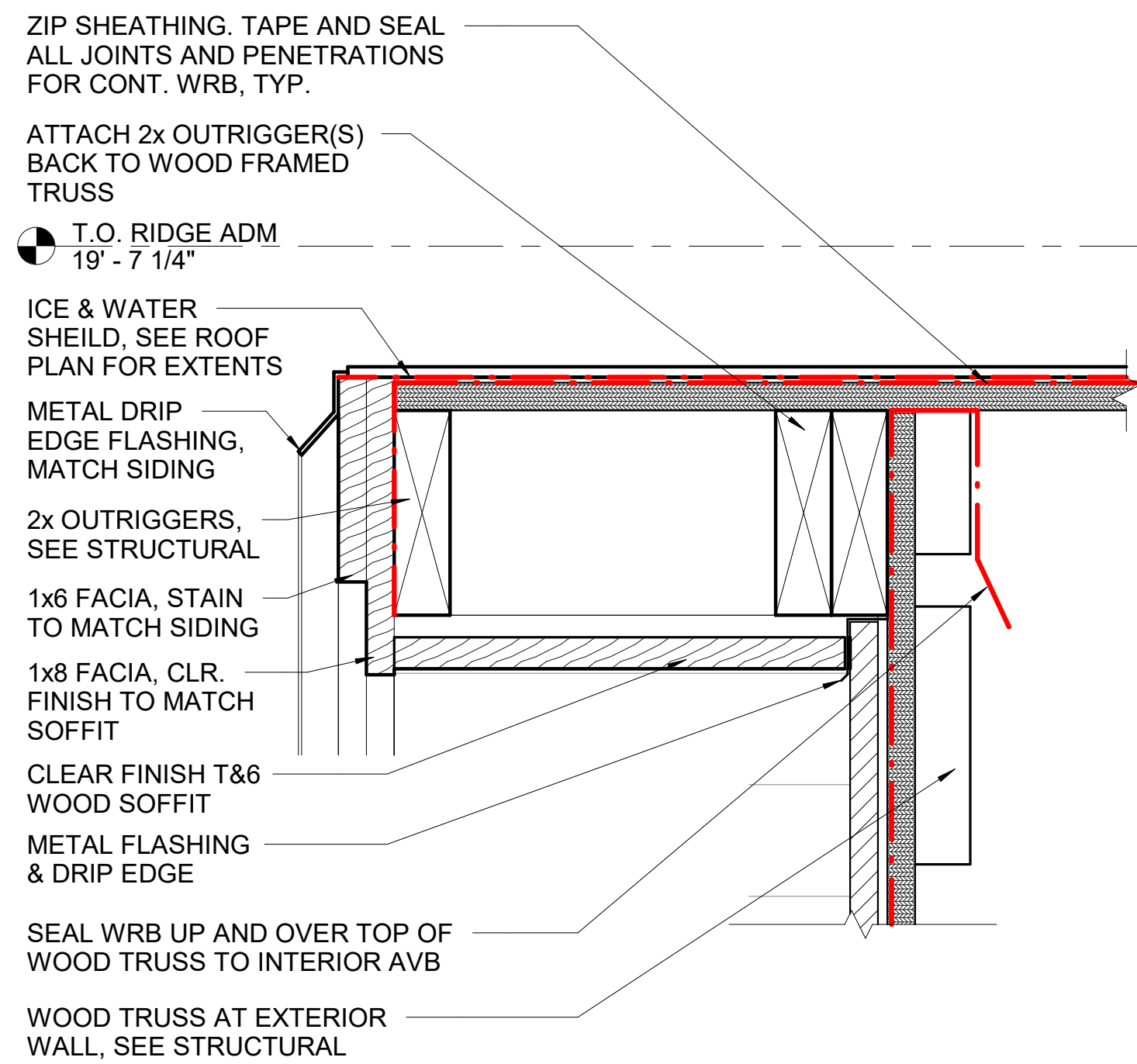
2 TYPICAL FOUNDATION DETAIL
3" = 1'-0"



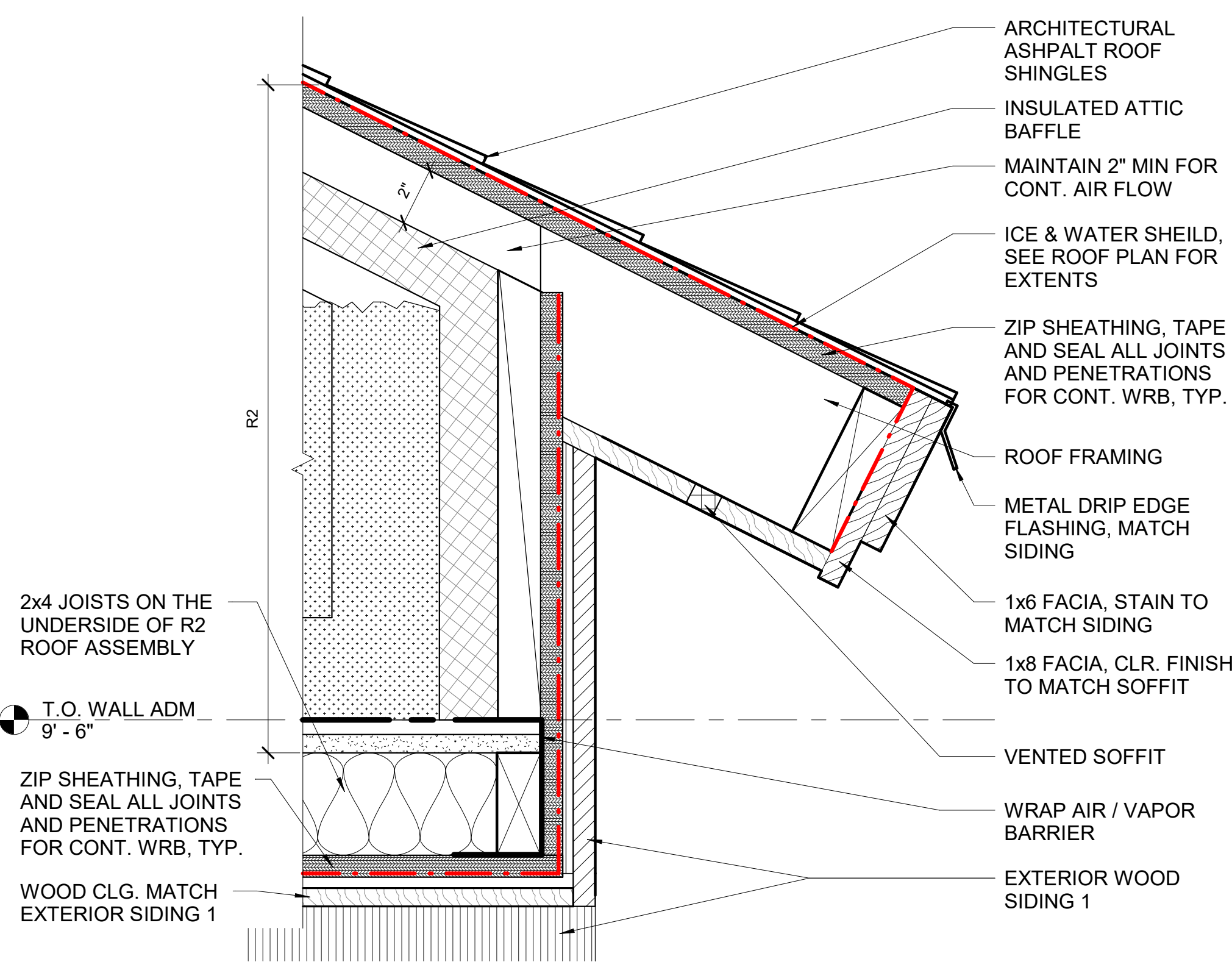
3 TYPICAL NATURE STORE RAKE DETAIL
3" = 1'-0"



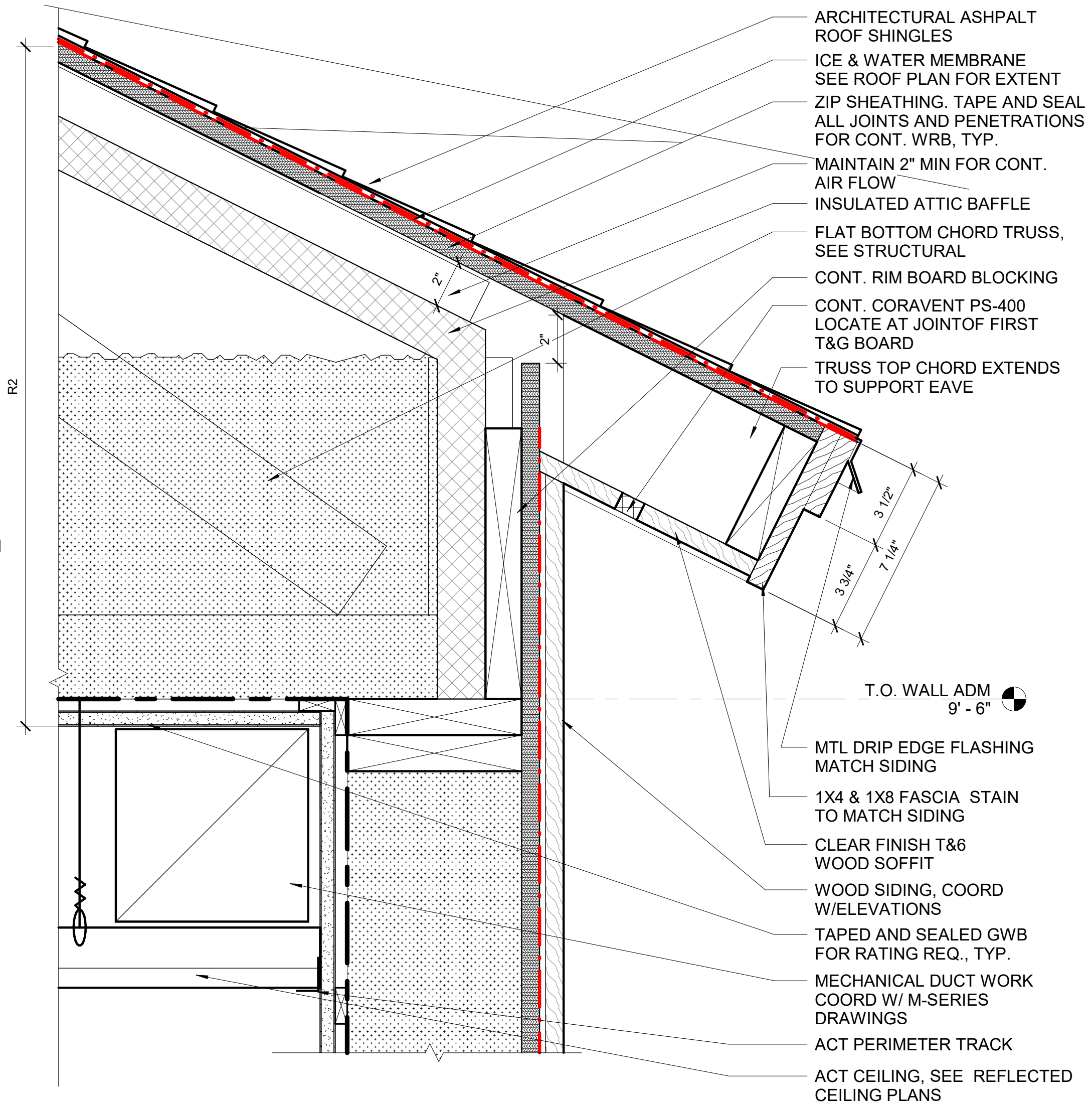
4 NATURE STORE GABLE BUMP IN DETAIL
3" = 1'-0"



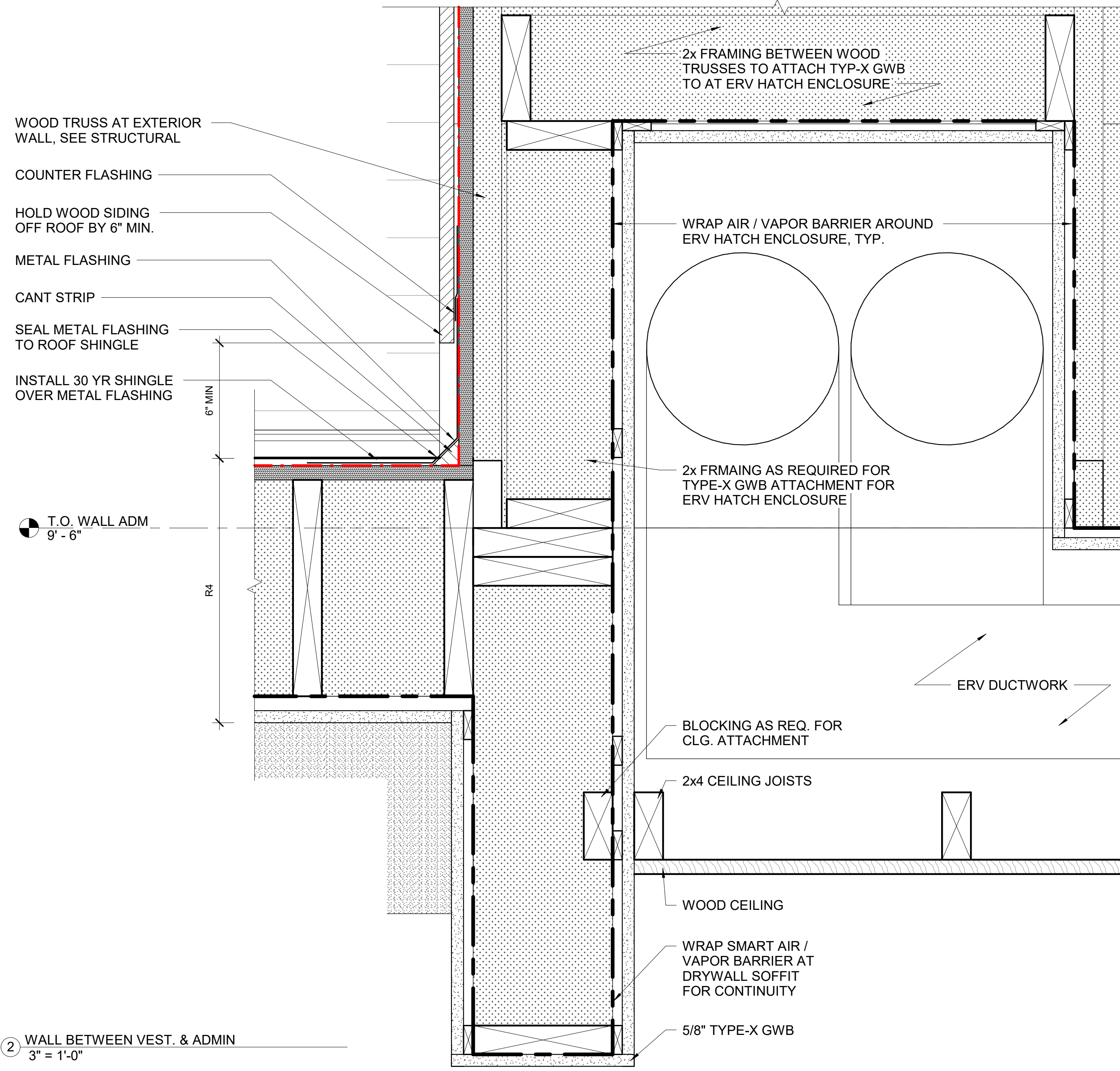
1 EAVE @ ADMIN
3" = 1'-0"



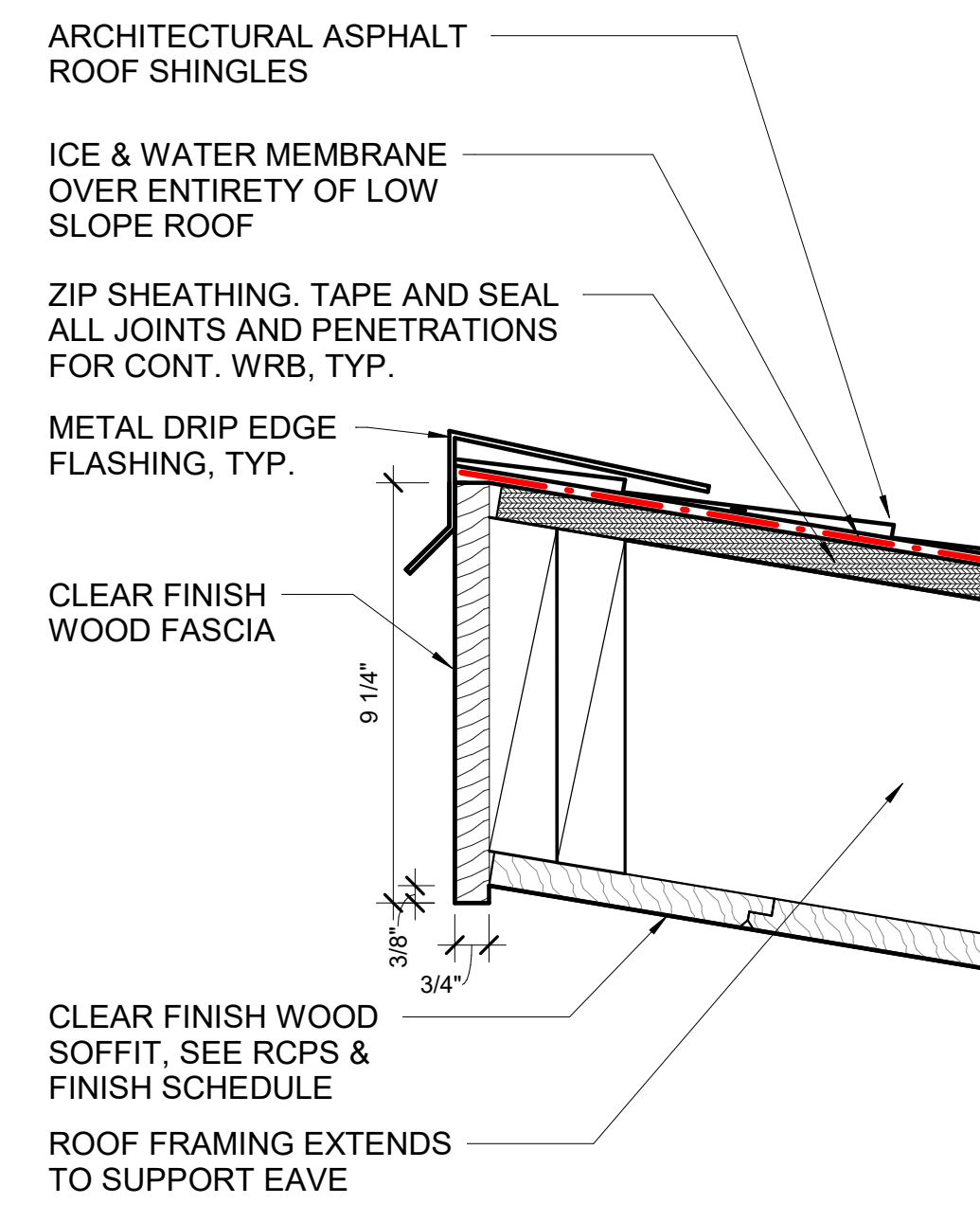
3 ROOF EAVE AT ADMIN STOREFRONT
3" = 1'-0"



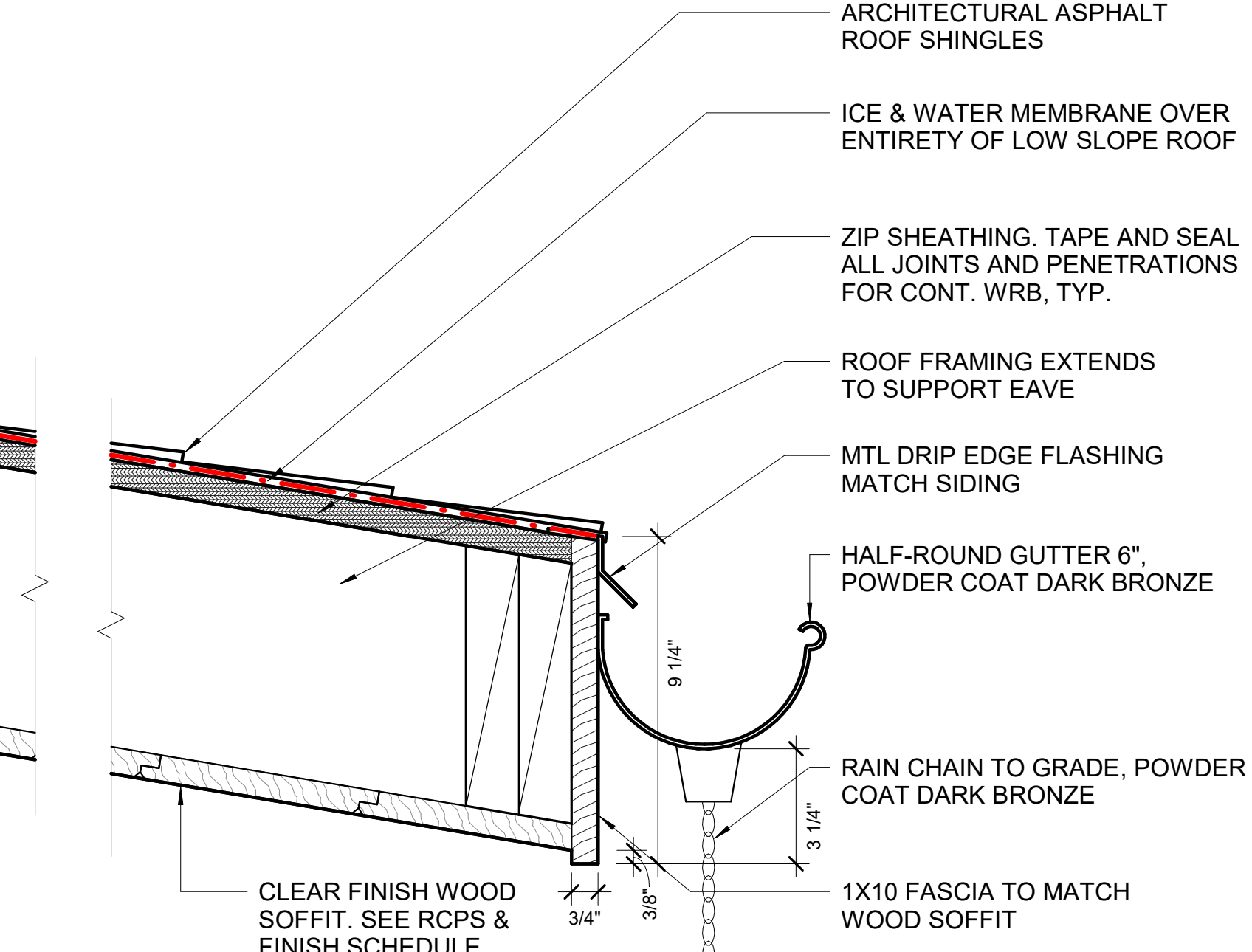
4 TYPICAL ADMIN. EAVE DETAIL
3" = 1'-0"



2 WALL BETWEEN VEST. & ADMIN
3" = 1'-0"



5 ROOF EDGE @ TICKETING - UPPER
3" = 1'-0"



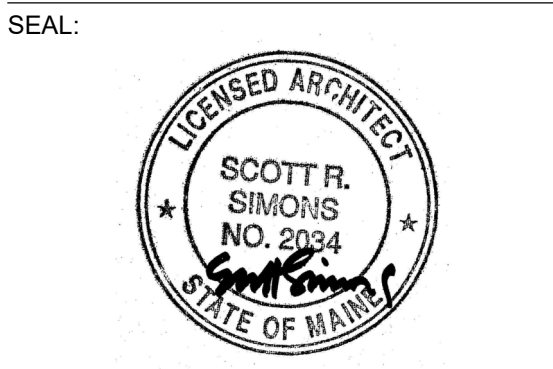
6 ROOF EDGE @ TICKETING - LOWER
3" = 1'-0"



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NO.	DESCRIPTION

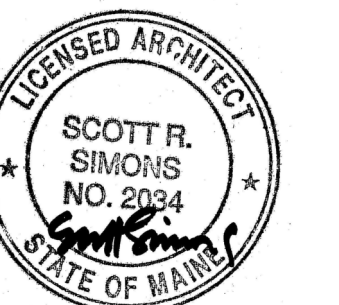
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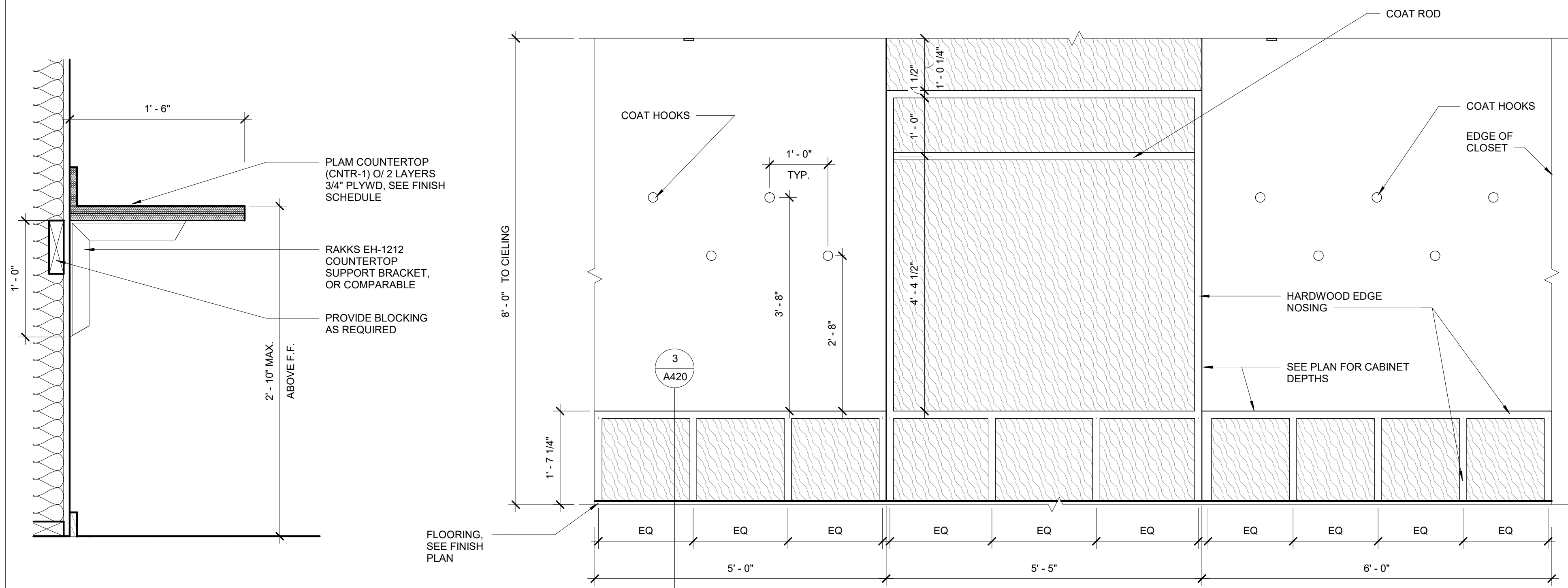
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PROJECT NUMBER: 2023-0190

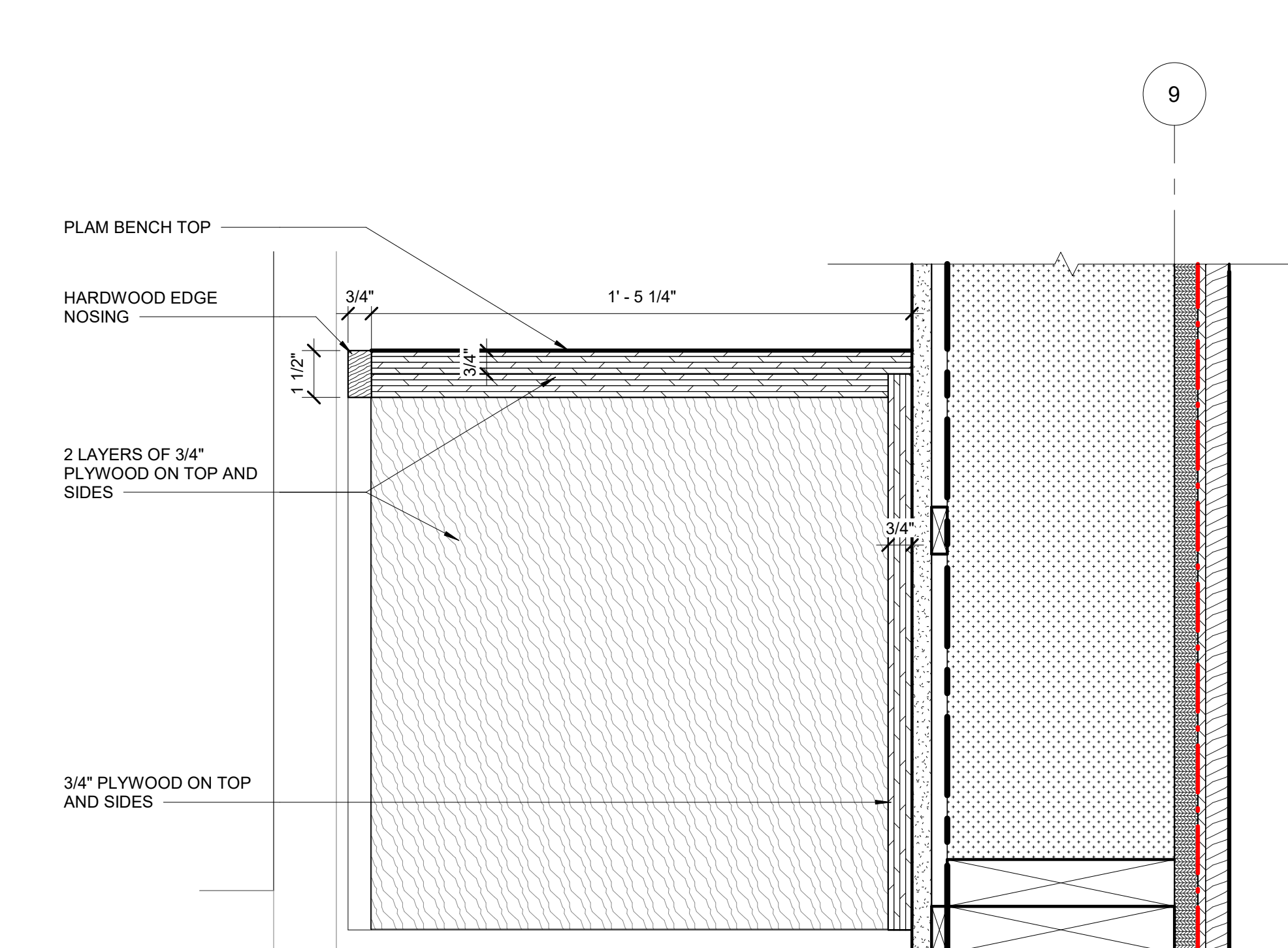
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**MILLWORK
DETAILS**

A420

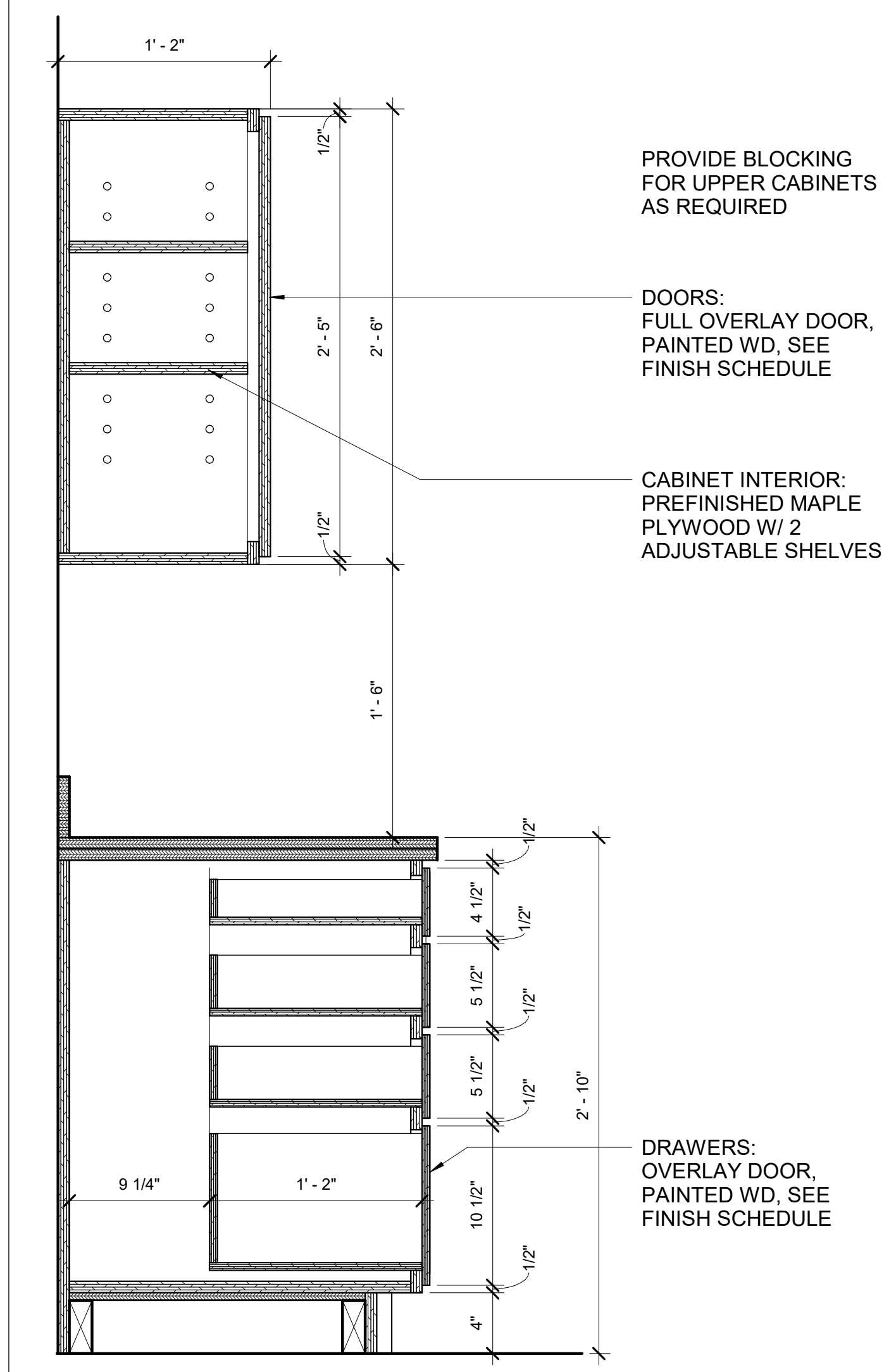


4 MUDROOM CABINET ELEVATION
3/4" = 1'-0"

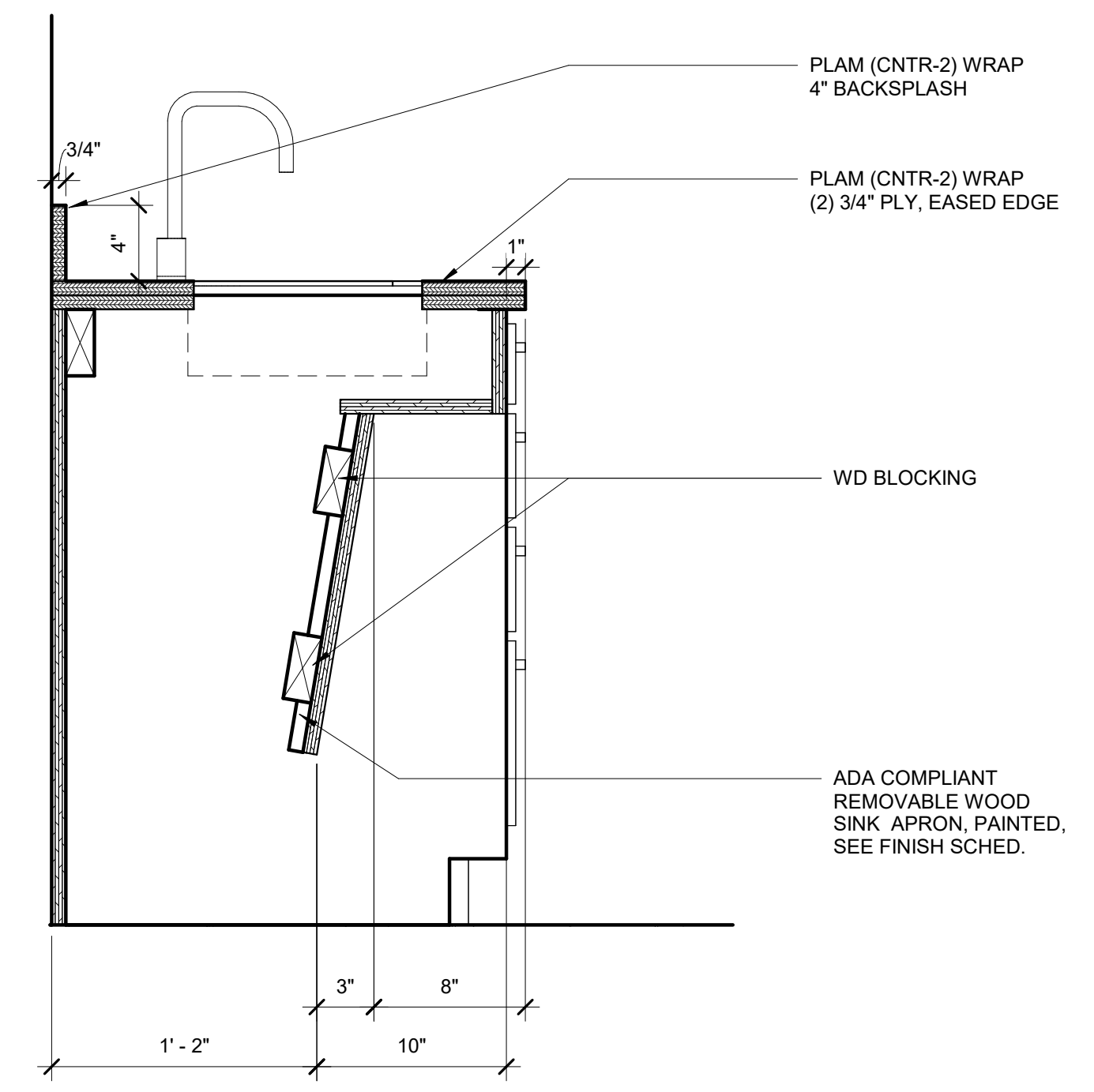


3 MUDROOM/ HALLWAY BOOT STORAGE DETAIL
3" = 1'-0"

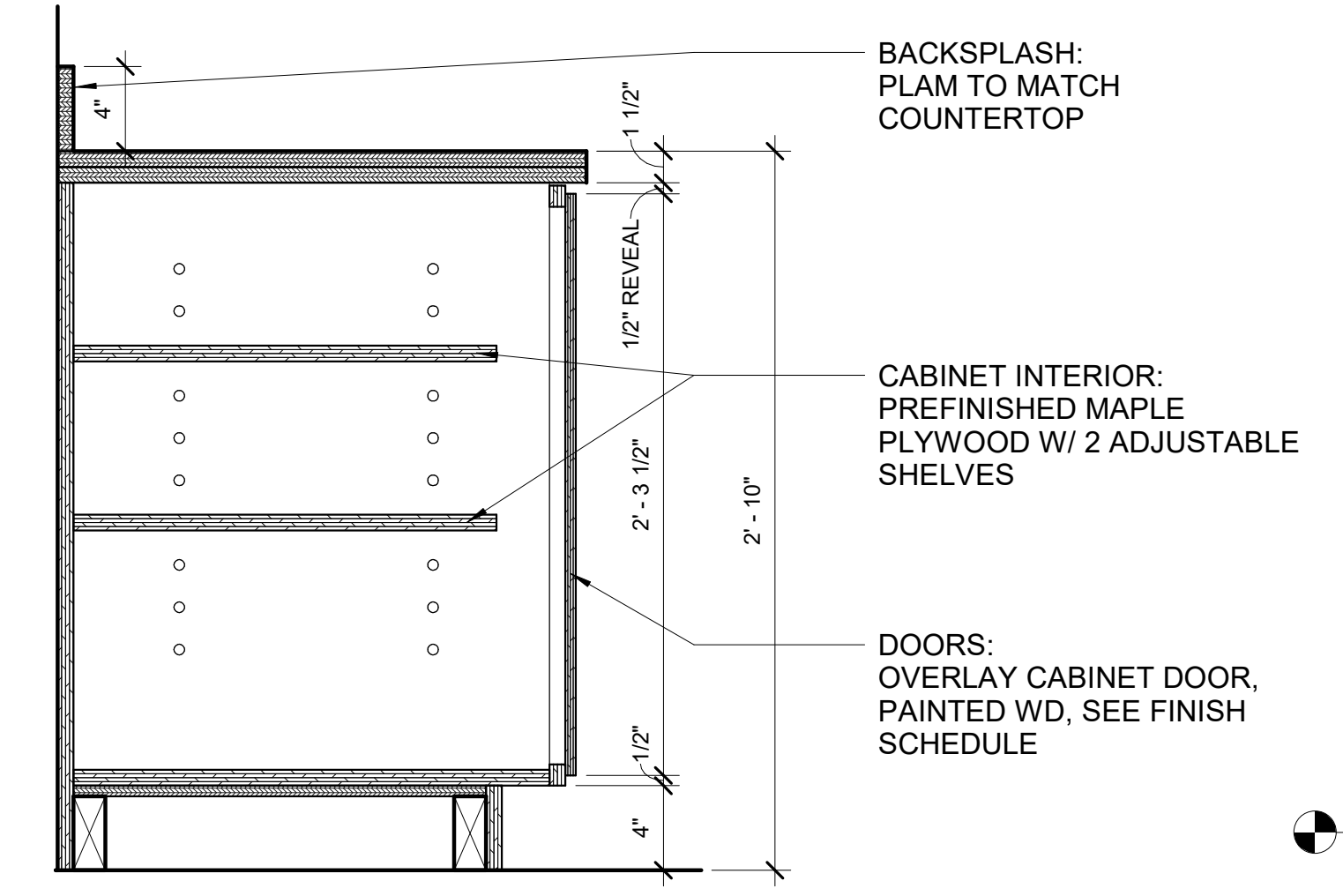
5 SECTION THROUGH PRINT ROOM COUNTER, TYP.
1 1/2" = 1'-0"



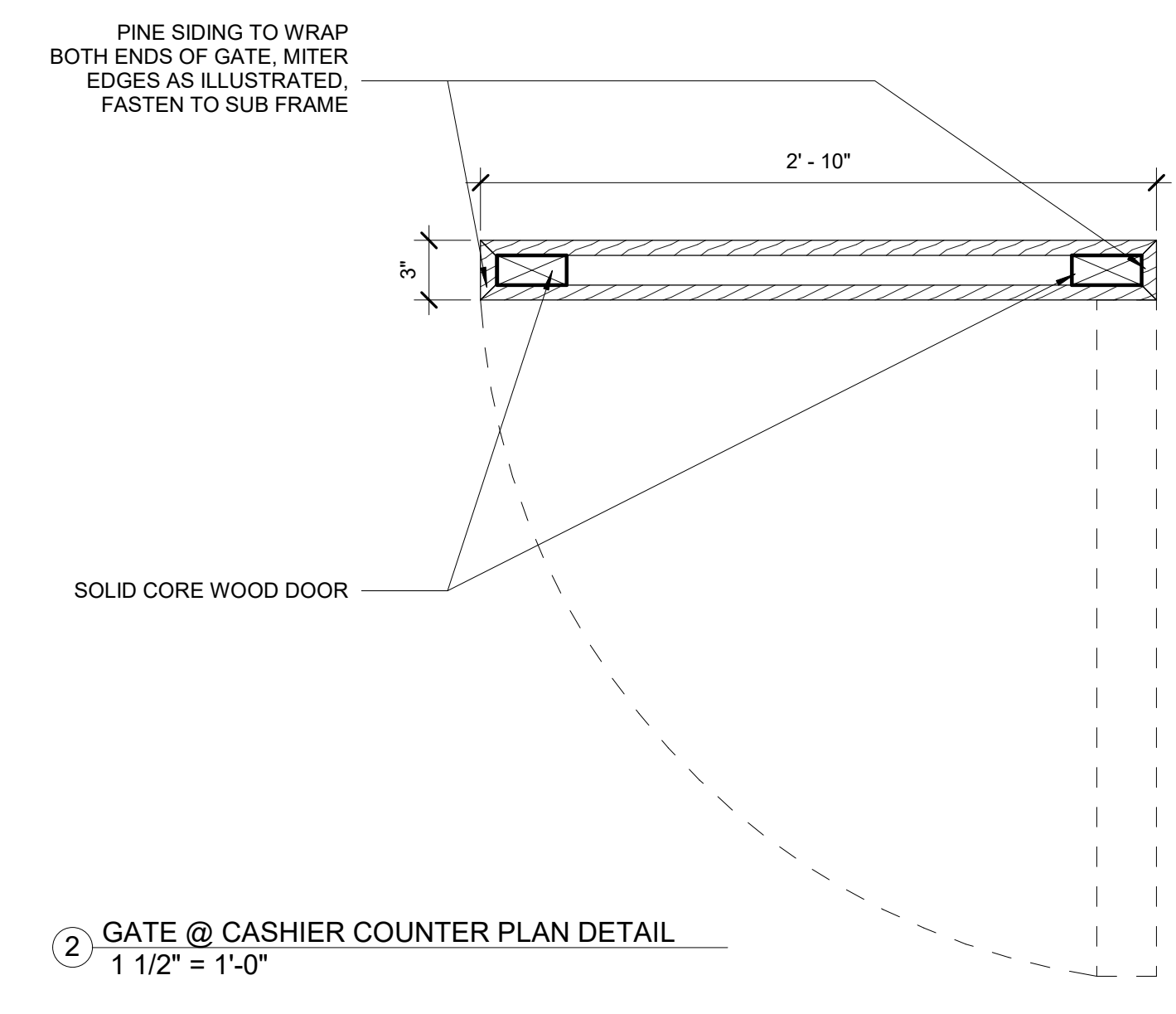
6 SECTION THROUGH BREAK ROOM UPPER & LOWER CABINET
1 1/2" = 1'-0"



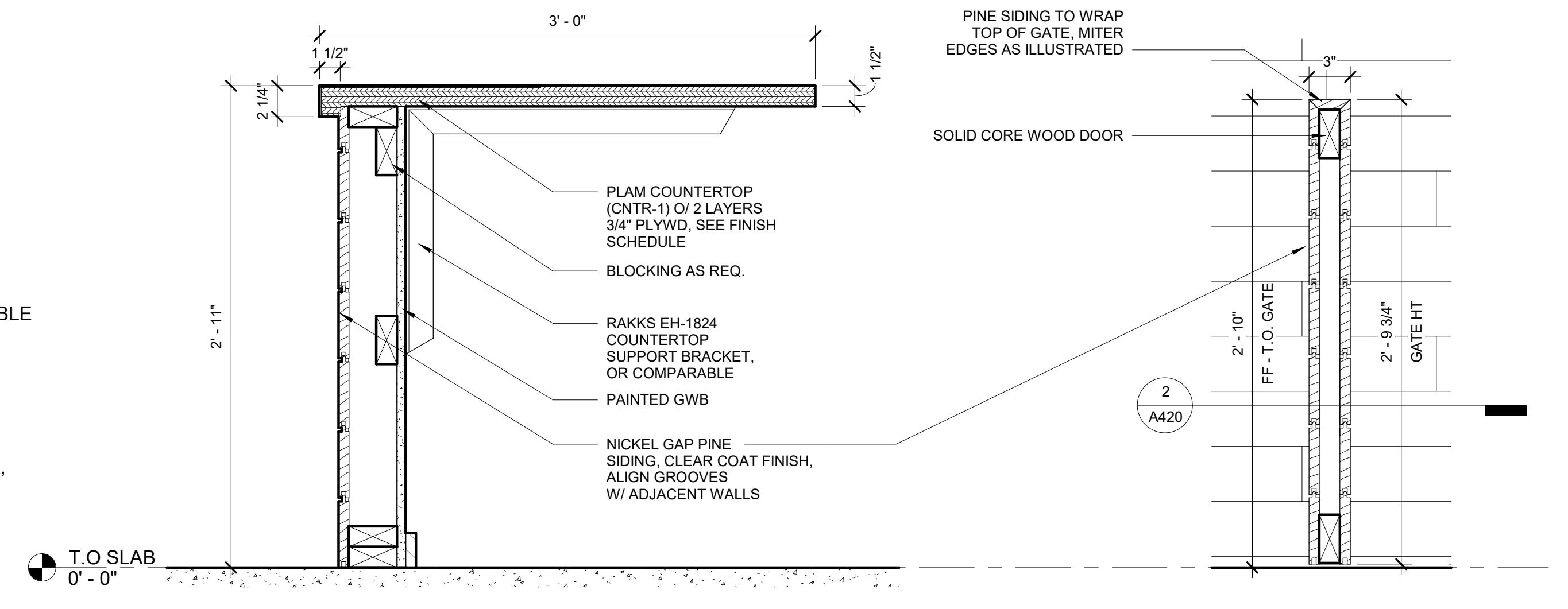
8 SECTION THROUGH BREAK ROOM SINK
1 1/2" = 1'-0"



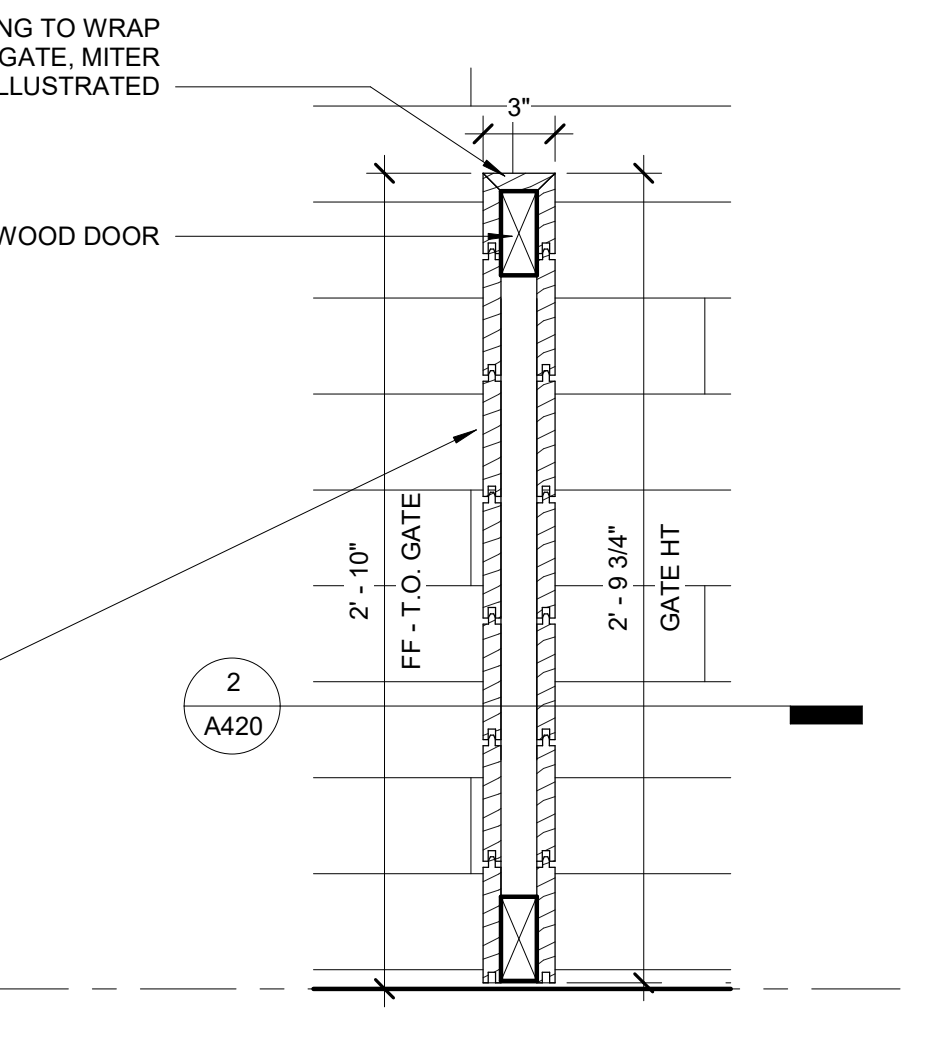
7 SECTION THROUGH BREAK ROOM COUNTER, TYP.
1 1/2" = 1'-0"



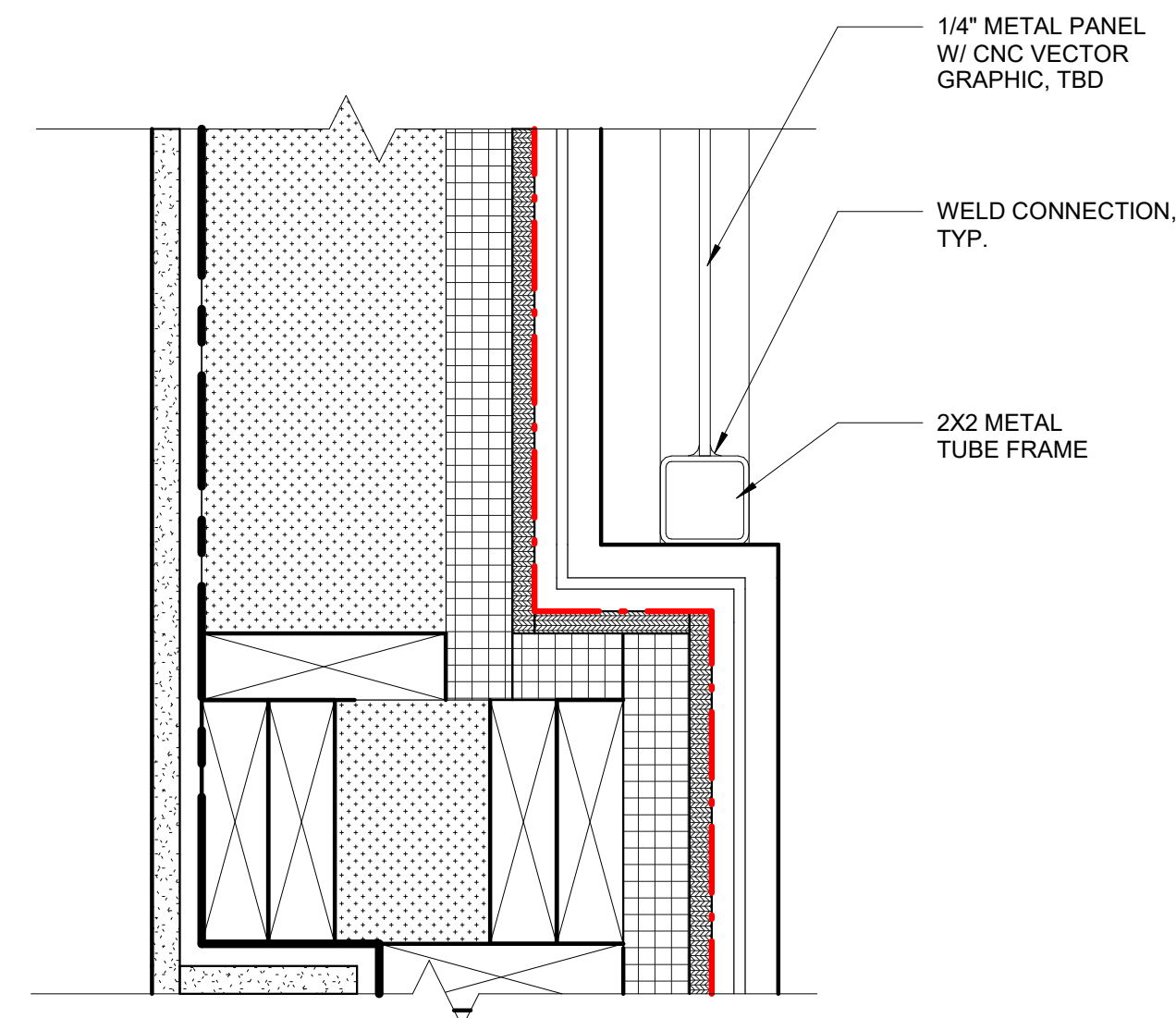
2 GATE @ CASHIER COUNTER PLAN DETAIL
1 1/2" = 1'-0"



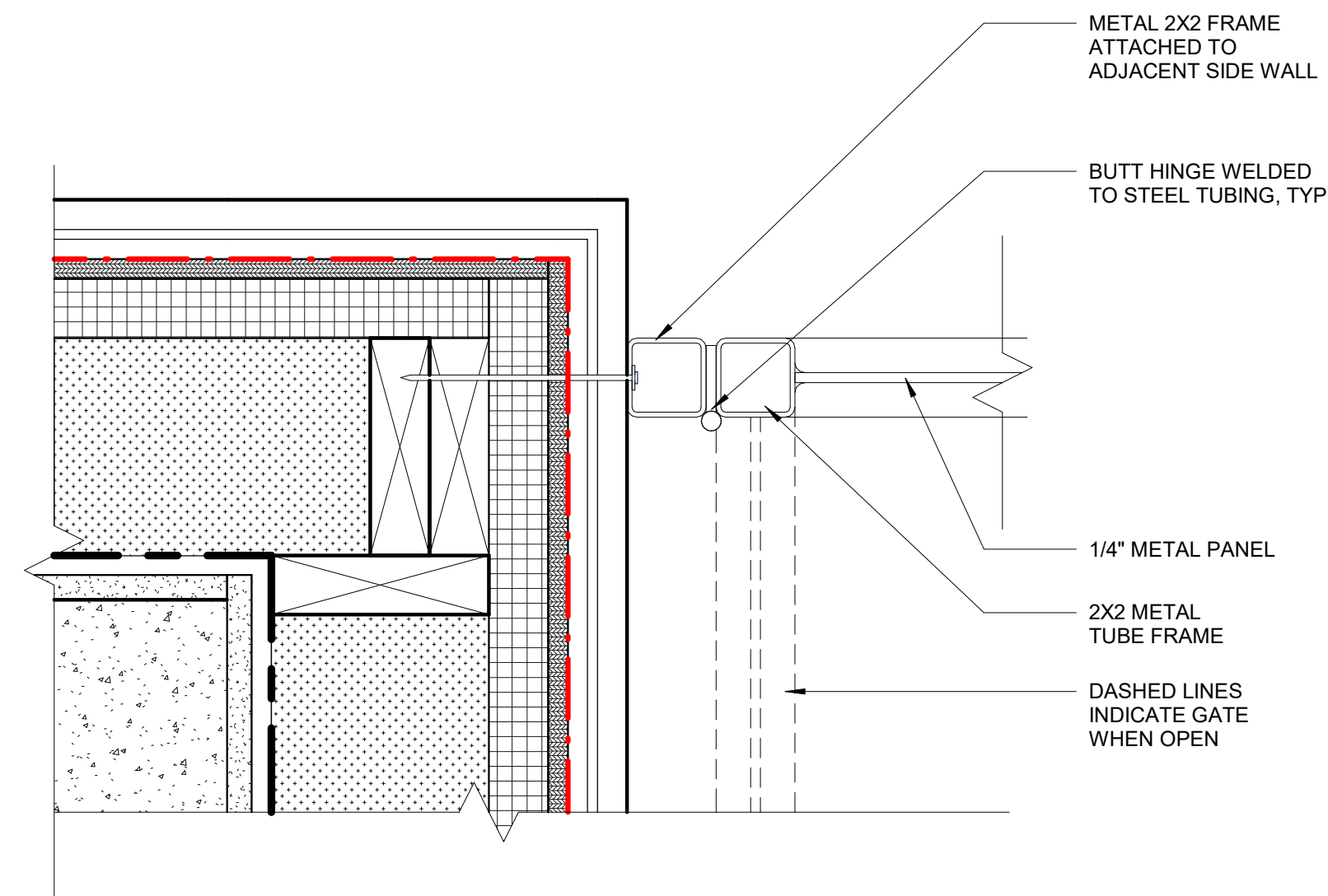
9 TYP. NATURE STORE POS DESK
1 1/2" = 1'-0"



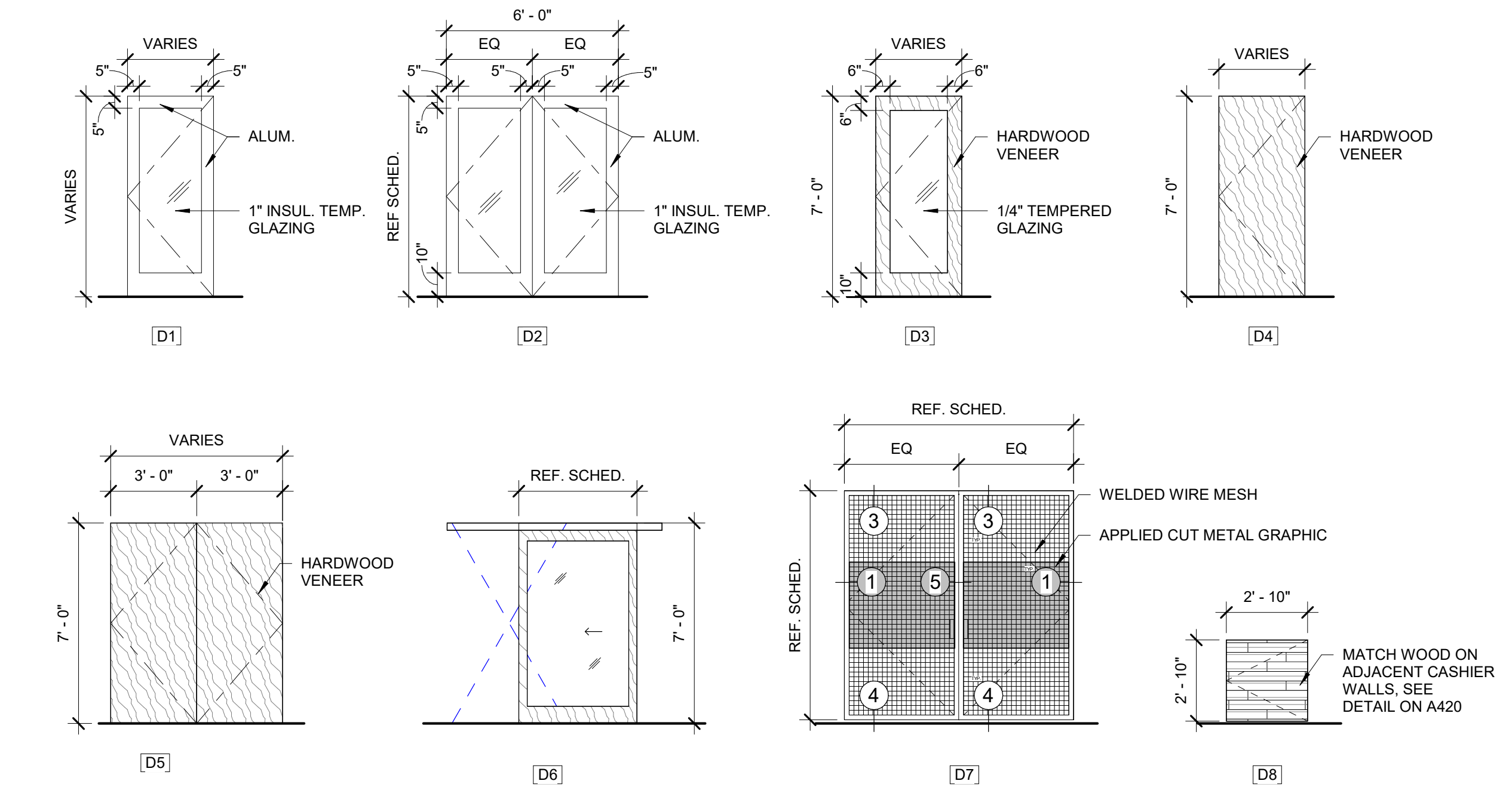
1 GATE @ CASHIER COUNTER SECTION DETAIL
1 1/2" = 1'-0"



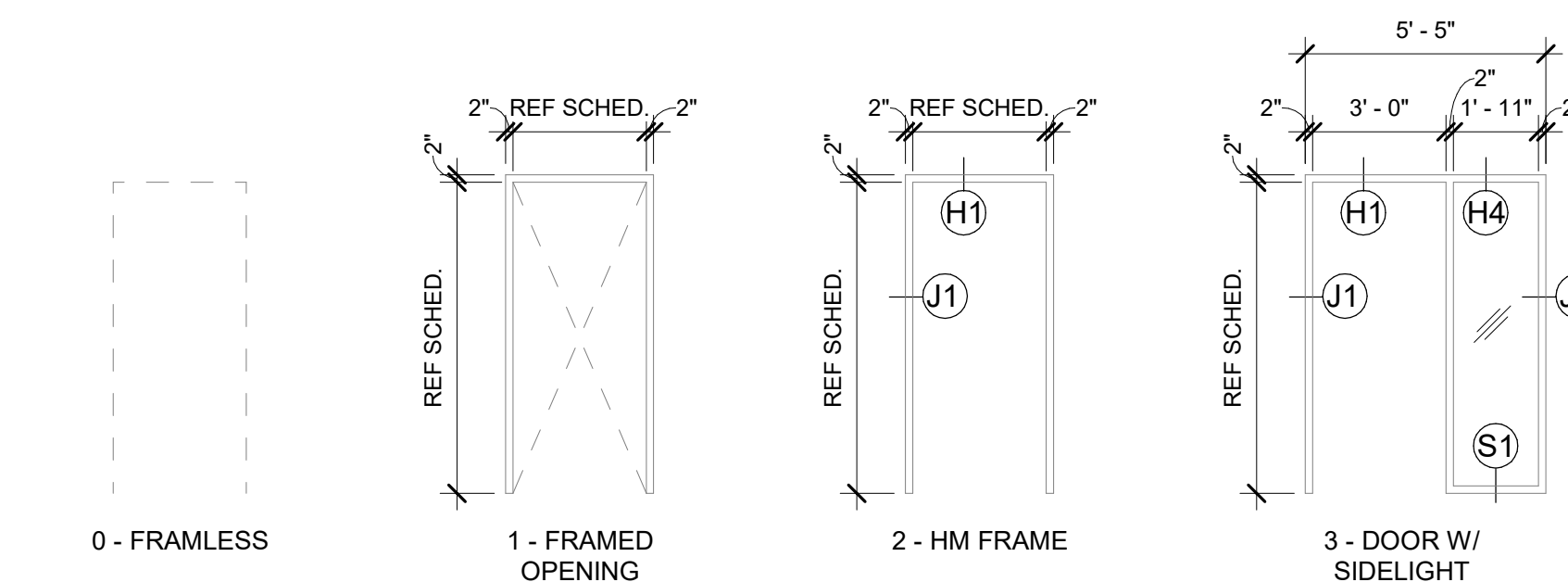
1 PARK GATE DETAIL @ DOOR INSET, TYP.
3" = 1'-0"



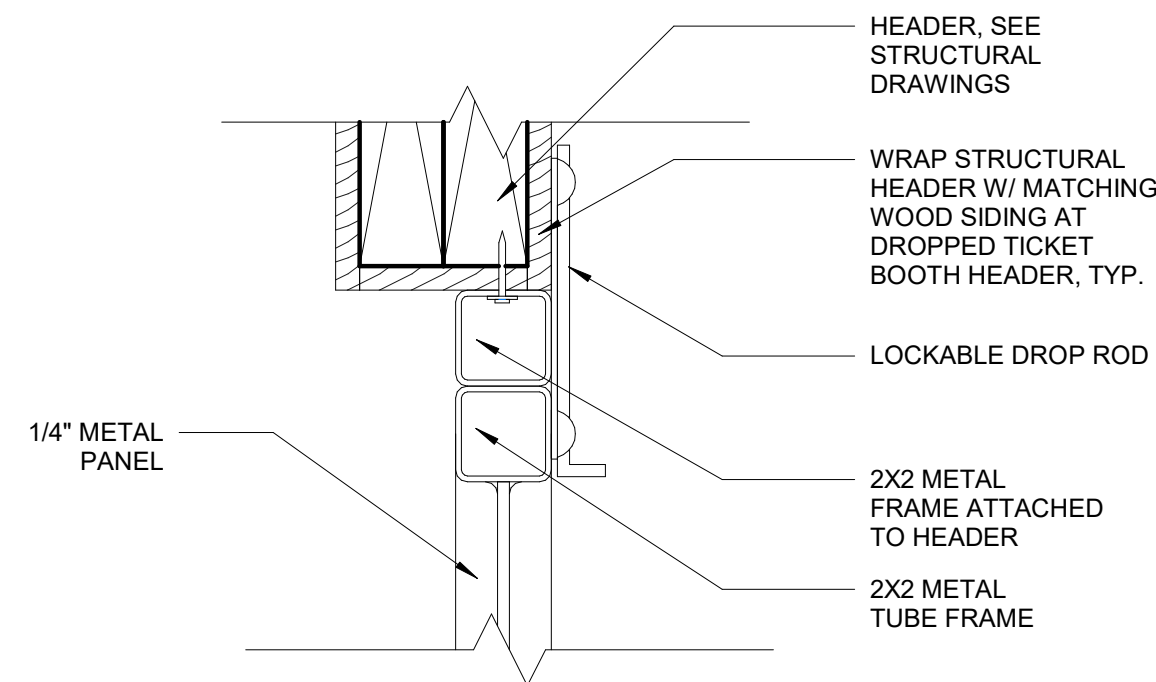
2 PARK GATE DETAIL @ JAMB, TYP.
3" = 1'-0"



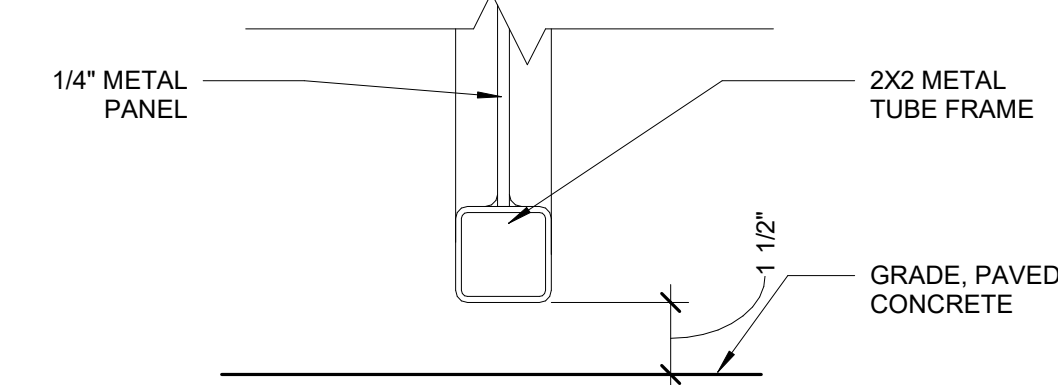
DOOR TYPES
1/4" = 1'-0"



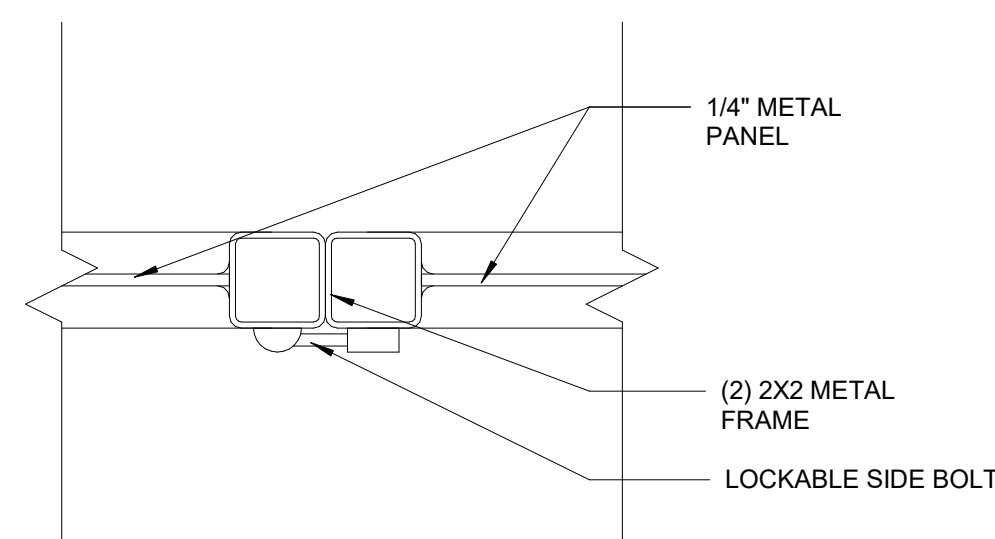
DOOR FRAME TYPES
1/4" = 1'-0"



3 PARK GATE SECTION @ HEADER
3" = 1'-0"



4 PARK GATE SECTION @ SILL
3" = 1'-0"



5 PARK GATE DETAIL @ CENTER LATCH
3" = 1'-0"

NO.	ROOM	DOOR DOOR TYPE	MANUF.	DESCRIPTION	DOOR				FRAME			FIRE RATING	INT/EXT	CARD READER	COMMENTS	
					HEIGHT	WIDTH	THICKNESS	FINISH	FRAME TYPE	MATERIAL	HEAD DETAIL					JAMB DETAIL
101A	NATURE STORE	D1	KAWNEER	ALUM. FULL LITE	8' - 0"	3' - 0"		ALUM/GLASS		ALUM.						
101B	NATURE STORE	D2	KAWNEER	ALUM. FULL LITE	8' - 0"	5' - 8"		ALUM/GLASS		ALUM.						
101C	NATURE STORE	D1	KAWNEER	ALUM. FULL LITE	8' - 0"	3' - 0"		ALUM/GLASS		ALUM.						
102A	CASHIER	D8	CUSTOM	GATE	2' - 10"	2' - 10"	0' - 2"	WD VENEER	N/A	WD						SIDING CLAD GATE
102B	CASHIER	F4			7' - 2"	7' - 4"			F0	N/A						
103	STORAGE	D4		FLUSH SC WOOD VENEER	7' - 0"	3' - 0"	0' - 1 3/4"	WD VENEER	F1	HM	H1	J1				
104A	TICKETING	D1	KAWNEER	ALUM. FULL LITE	7' - 0"	3' - 0"										
104B		D7		EXT. WIRE MESH GATE	7' - 0 1/2"	9' - 0"			N/A	N/A						
105A	TICKETING	D1	KAWNEER	ALUM. FULL LITE	7' - 0"	3' - 0"										
105B		D7		EXT. WIRE MESH GATE	6' - 9"	9' - 0"			N/A	N/A						
106A	VEST.	D1	KAWNEER	ALUM. FULL LITE	7' - 0"	3' - 0"		ALUM/GLASS		ALUM.						
106C	HALL/MUDROOM	D3		WOOD VENEER, FULL LITE	7' - 0"	3' - 0"		WD/GLASS	F3	HM				Yes		CARD READER BY OWNER
107	GAME KEEPER	D6		SLIDING BARN DOOR, FULL LITE	7' - 0"	8' - 0"	0' - 2"		F1	HM	H3	J2				
108	BREAK RM	D3		WOOD VENEER, FULL LITE	7' - 0"	3' - 0"		WD/GLASS	F3	HM	H2	J2/J4				
109	MECH.	F3			7' - 0"	2' - 10"	0' - 1 3/4"	WD	F1	HM	H2	J2				
111	WSH	D4		FLUSH SC WOOD VENEER	7' - 0"	3' - 0"	0' - 1 3/4"	WD	F1	HM	H2	J2/J3				
112	WSH	D4		FLUSH SC WOOD VENEER	7' - 0"	3' - 0"	0' - 1 3/4"	WD VENEER	F0	HM	H2	J2/J3				
113A	VEST.	D1	KAWNEER	ALUM. FULL LITE	7' - 0"	3' - 0"		ALUM/GLASS		ALUM.						
113B	VEST.	D1	KAWNEER	ALUM. FULL LITE	7' - 0"	3' - 0"		WD/GLASS		HM				Yes		CARD READER BY OWNER
114	HOTEL	D3		WOOD VENEER, FULL LITE	7' - 0"	3' - 0"		WD/GLASS	F3	HM	H2	J2/J4				
115	SPR. OFFICE	D3		WOOD VENEER, FULL LITE	7' - 0"	3' - 0"		WD/GLASS	F3	HM	H2	J2/J4				
116	ASST. SPR.	D3		WOOD VENEER, FULL LITE	7' - 0"	3' - 0"		WD/GLASS	F3	HM	H2	J2/J4				
117	HALL/MUDROOM	D3		WOOD VENEER, FULL LITE	7' - 0"	2' - 11"		WD/GLASS	F3	HM	H2	J2/J4				
118	HALL/MUDROOM	D5			7' - 0"	4' - 0"	0' - 2"	WD VENEER	F3	HM	H2	J2				

GENERAL NOTES:
1. DOORS AND FRAMES SHOULD BE SHOP-PREPARED ACCORDING TO FIRE LISTINGS.
2. FOR FRAME TYPES INTEGRAL TO INT. WINDOW ASSEMBLY SEE A602 FOR WINDOW TYPES + DETAILS.
3. DOORS NOTED AS "CARD READER BY OWNER" TO INCLUDE CONDUIT AND JUNCTION BOX ONLY, CARD READER + DATA BY OWNER

PROJECT NAME:

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NATURE STORE
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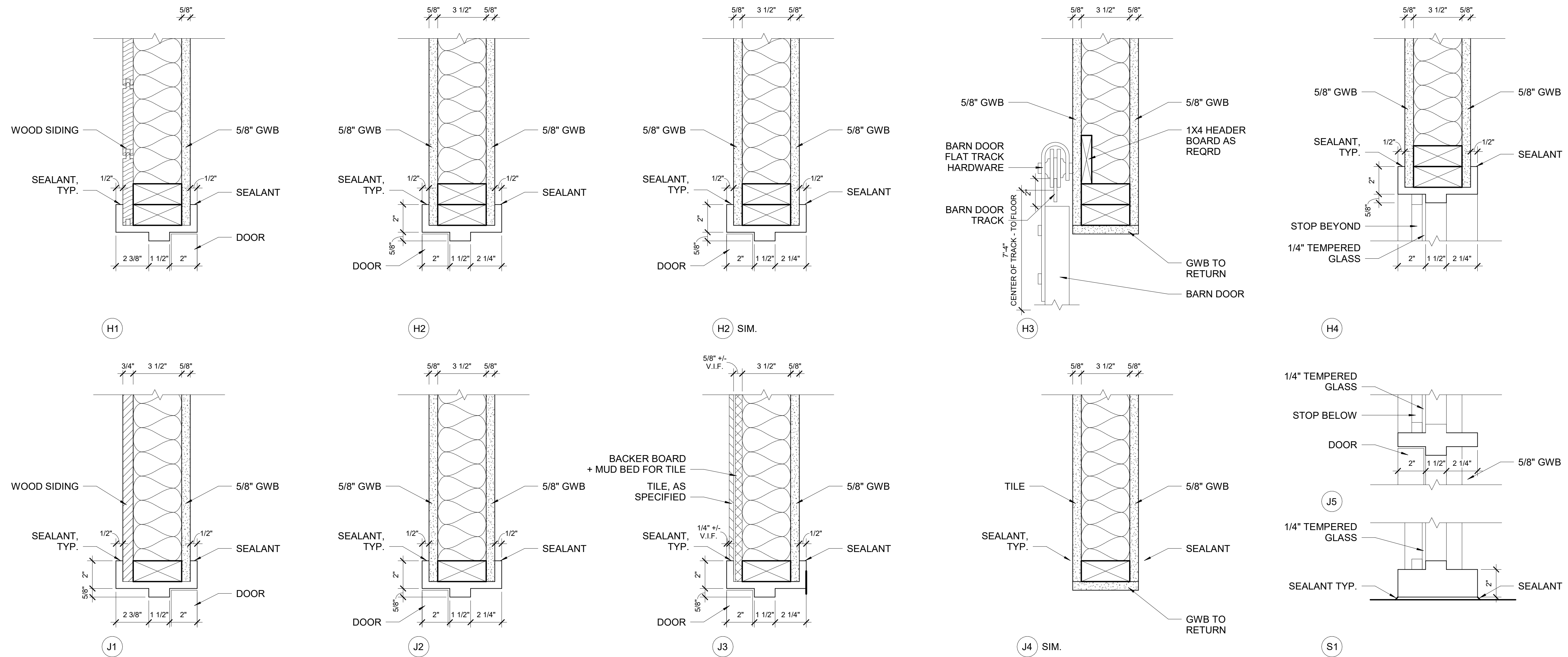
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**DOOR
SCHEDULE**

A600



1 INTERIOR DOOR HEADER + JAMB DETAILS
3" = 1'-0"

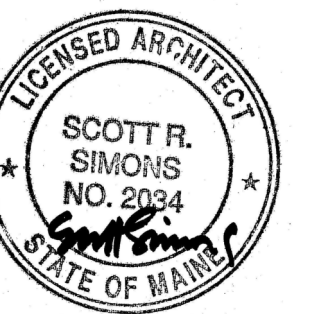
2 EXT DOOR HEAD @ TICKETING
3" = 1'-0"

3 EXT DOOR THRESHOLD @ TICKETING
3" = 1'-0"

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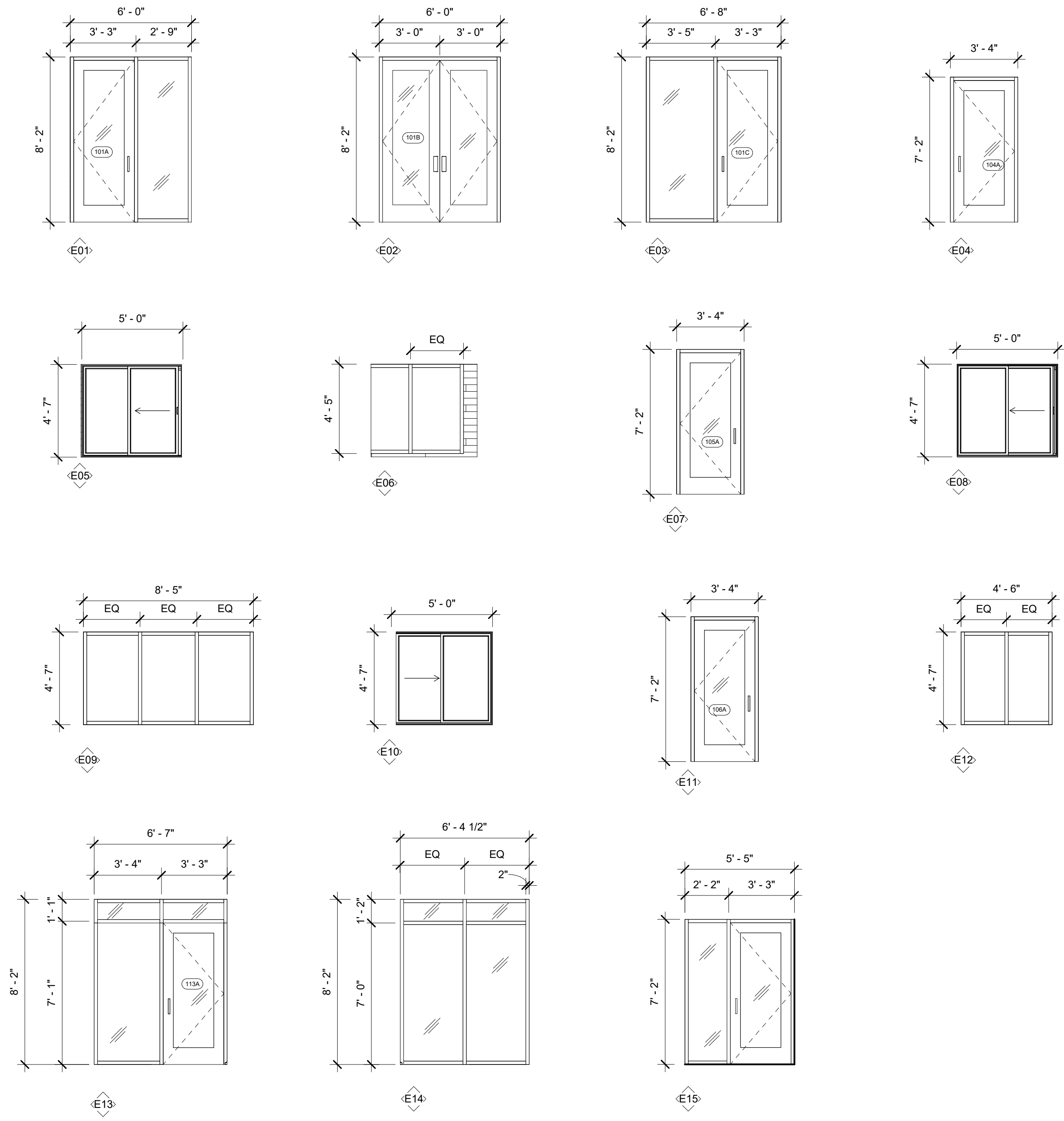
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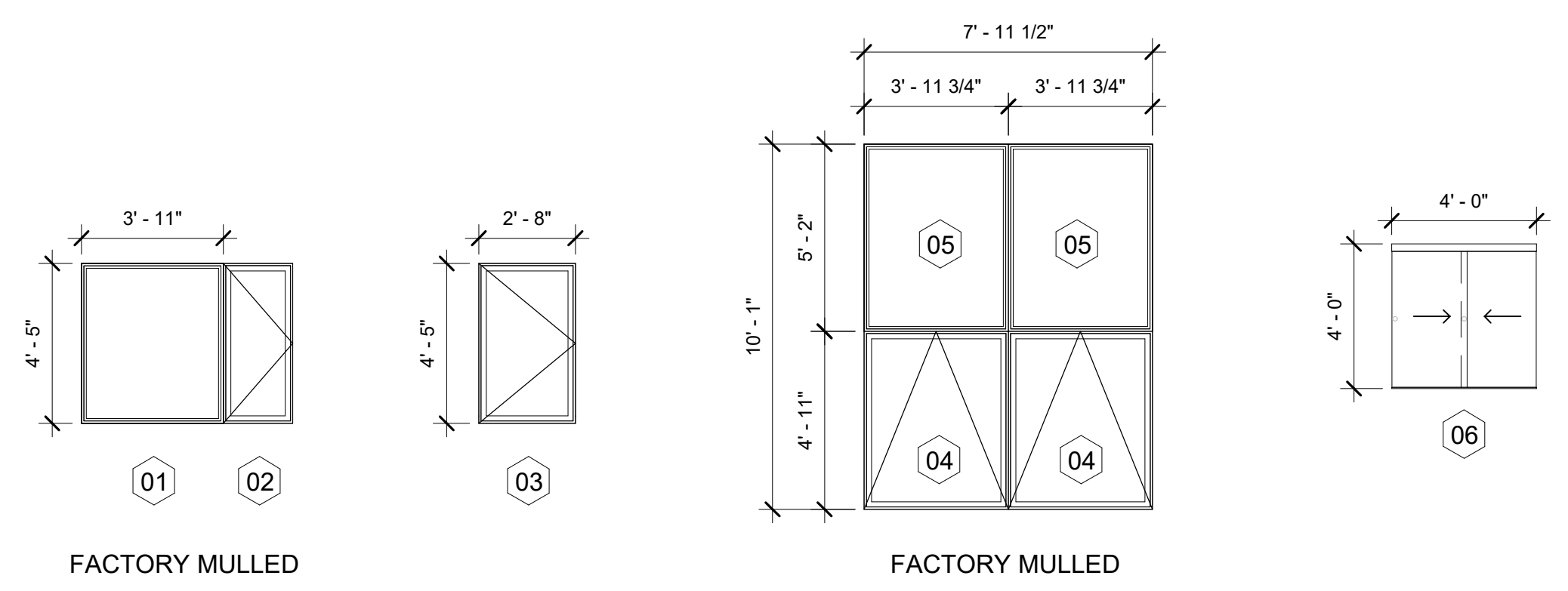
DOOR DETAILS

EXTERIOR ASSEMBLIES									
No.	Manufacturer	Window Description	Frame Size (W x H)			Material			Notes
			Width	Height	R.O.	Int	Ext	Glazing	
E01	KAWNEER	Alum. Partition System	6' - 0"	8' - 2"	Per MFQR REQ.	Alum.	Alum.		
E02	KAWNEER	Alum. Partition System	6' - 0"	8' - 2"	Per MFQR REQ.	Alum.	Alum.		
E03	KAWNEER	Alum. Partition System	6' - 8"	8' - 2"	Per MFQR REQ.	Alum.	Alum.		
E04	KAWNEER	Alum. Partition System	3' - 4"	7' - 2"	Per MFQR REQ.	Alum.	Alum.		
E05	KAWNEER	Alum. Partition System	5' - 0"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E06	KAWNEER	Alum. Partition System	5' - 3"	4' - 5"	Per MFQR REQ.	Alum.	Alum.		
E07	KAWNEER	Alum. Partition System	3' - 4"	7' - 2"	Per MFQR REQ.	Alum.	Alum.		
E08	KAWNEER	Alum. Partition System	5' - 4 3/4"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E09	KAWNEER	Alum. Partition System	8' - 5"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E10	KAWNEER	Alum. Partition System	5' - 0"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E11	KAWNEER	Alum. Partition System	3' - 4"	7' - 2"	Per MFQR REQ.	Alum.	Alum.		
E12	KAWNEER	Alum. Partition System	4' - 6"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E13	KAWNEER	Alum. Partition System	6' - 7"	8' - 2"	Per MFQR REQ.	Alum.	Alum.		
E14	KAWNEER	Alum. Partition System	6' - 4 1/2"	8' - 2"	Per MFQR REQ.	Alum.	Alum.		
E15	KAWNEER	Alum. Partition System	5' - 5"	7' - 2"	Per MFQR REQ.	Alum.	Alum.		



① STOREFRONT TYPES
1/4" = 1'-0"

WINDOW SCHEDULE								
No.	Manufacturer	Window Line	Operation	Frame Size (W x H)		Material		Notes
				Width	Height	Int	Ext	
01	Pella	Lifestyle	Fixed	3' - 11"	4' - 5"	Pine	Alum. Clad	HARDWARE - STANDARD BROWN
02	Pella	Lifestyle	Casement	1' - 11"	4' - 5"	Pine	Alum. Clad	HARDWARE - STANDARD BROWN
03	Pella	Lifestyle	Casement	2' - 8"	4' - 5"	Pine	Alum. Clad	HARDWARE - STANDARD BROWN
04	Pella	Lifestyle	Awning	3' - 11 3/4"	4' - 11"	Pine	Alum. Clad	HARDWARE - STANDARD BROWN
05	Pella	Lifestyle	Fixed	3' - 11 3/4"	5' - 2"	Pine	Alum. Clad	HARDWARE - STANDARD BROWN
06	CRL	Sharyn Frameless Pass-Thru	Slider	4' - 0"	4' - 0"			



② WINDOW TYPES
1/4" = 1'-0"

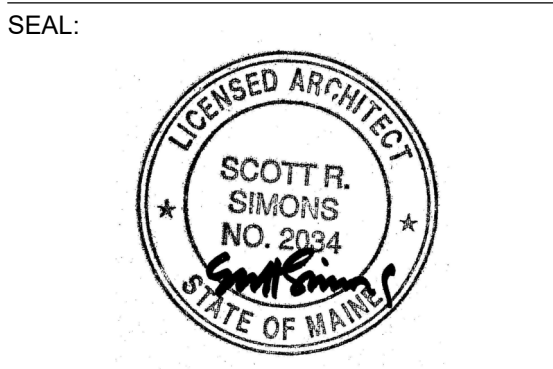
GENERAL NOTES:
1. DIM TO UNIT SIZE U.N.O.
2. ALL GLASS TO BE TEMPERED AS REQUIRED
3. CONTRACTOR SHALL FIELD VERIFY DIM. PRIOR TO FABRICATION OF WINDOW UNITS



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PROJECT NAME:
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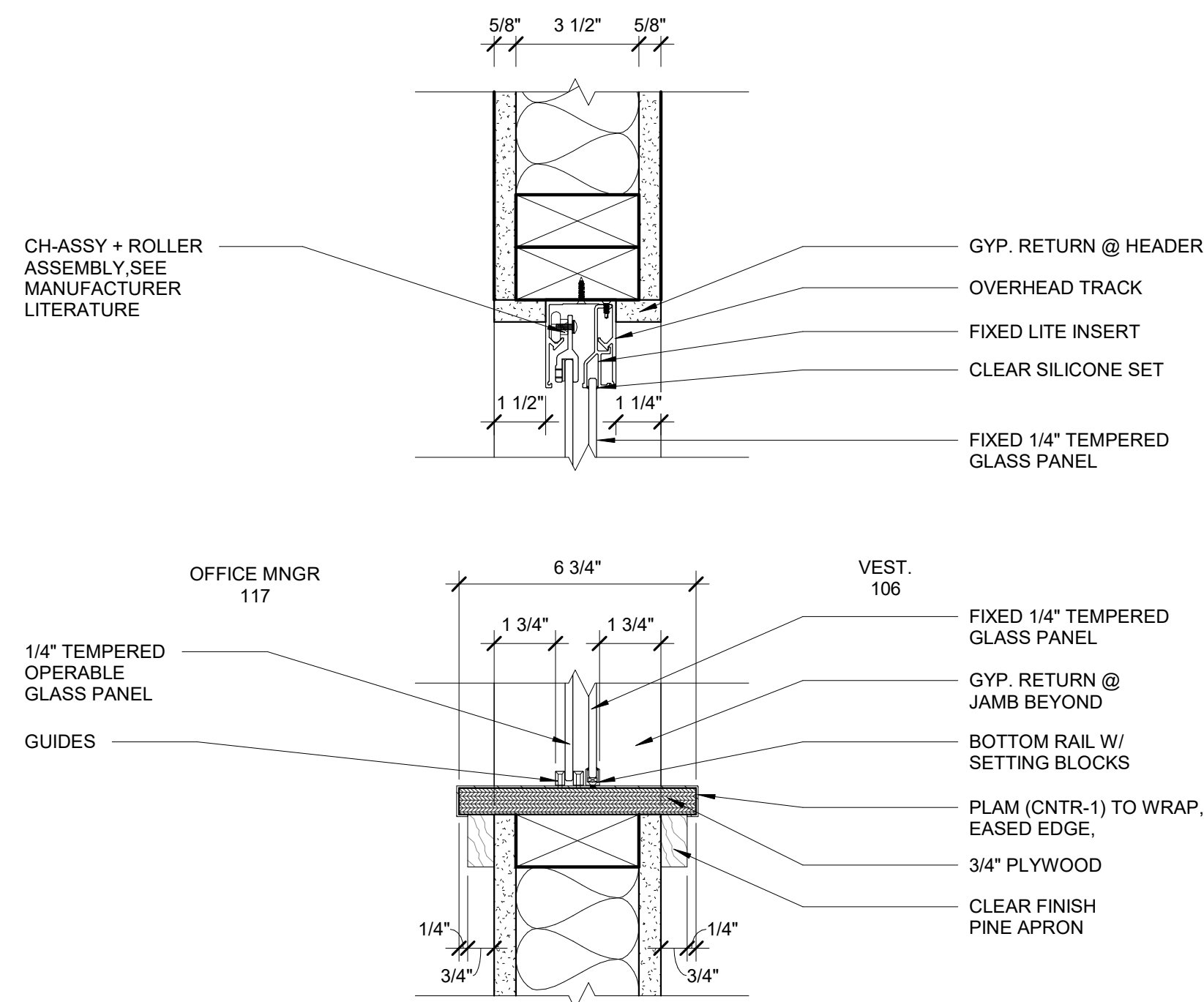
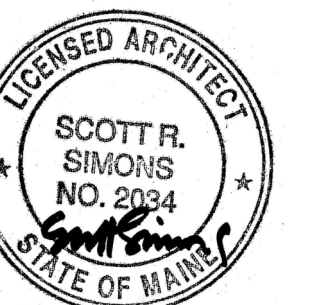
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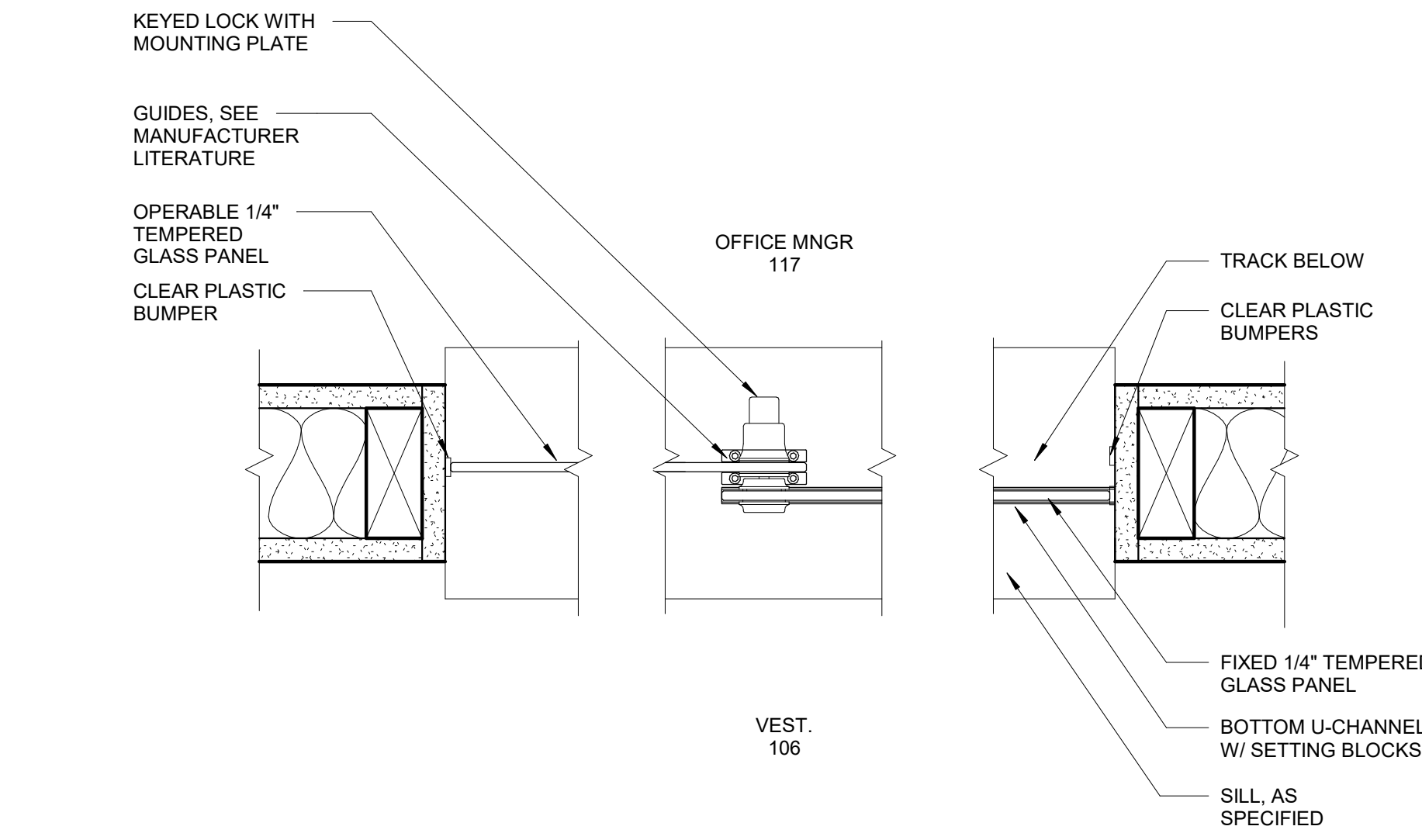
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**EXTERIOR
WINDOW
SCHEDULE**

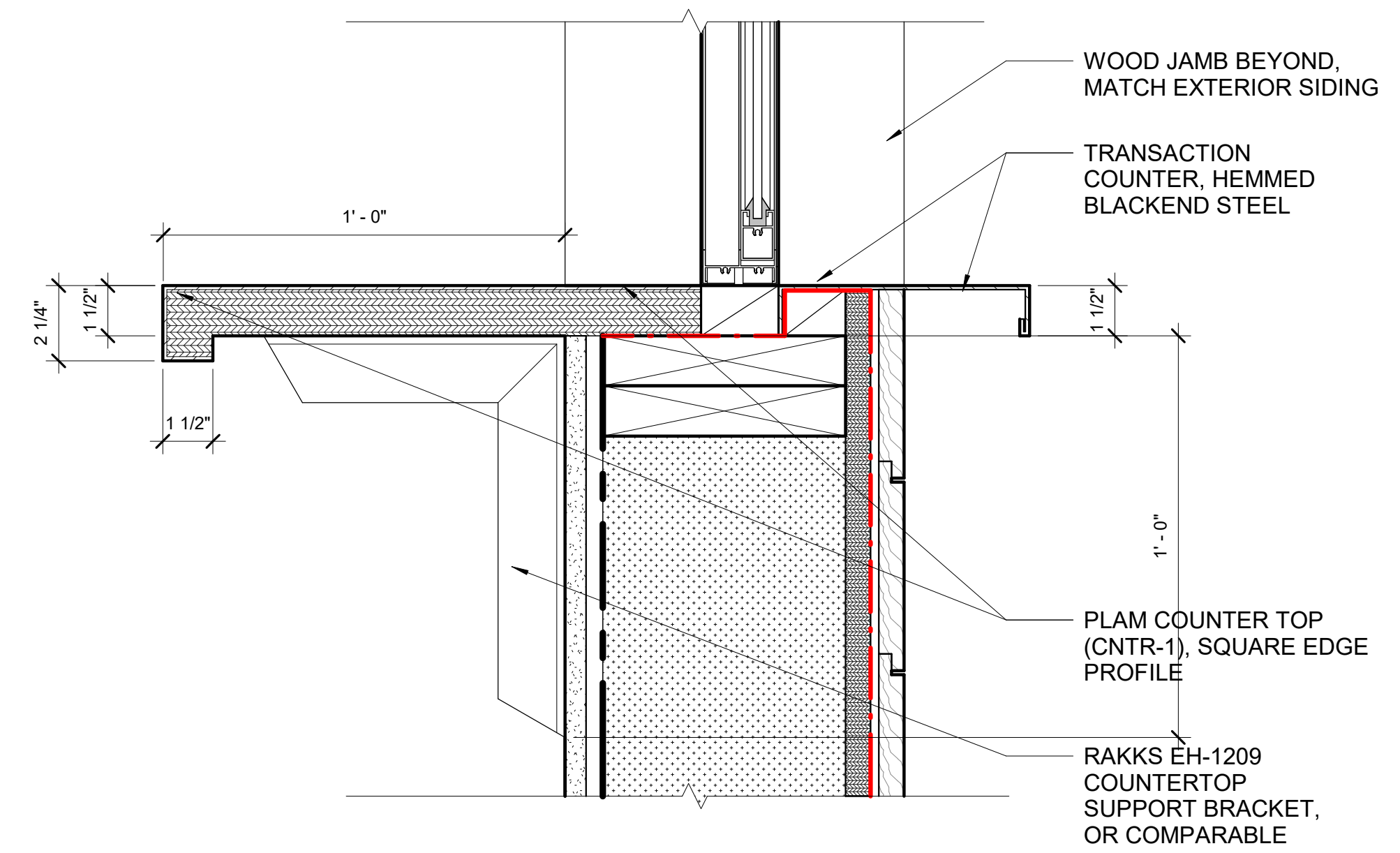
A602



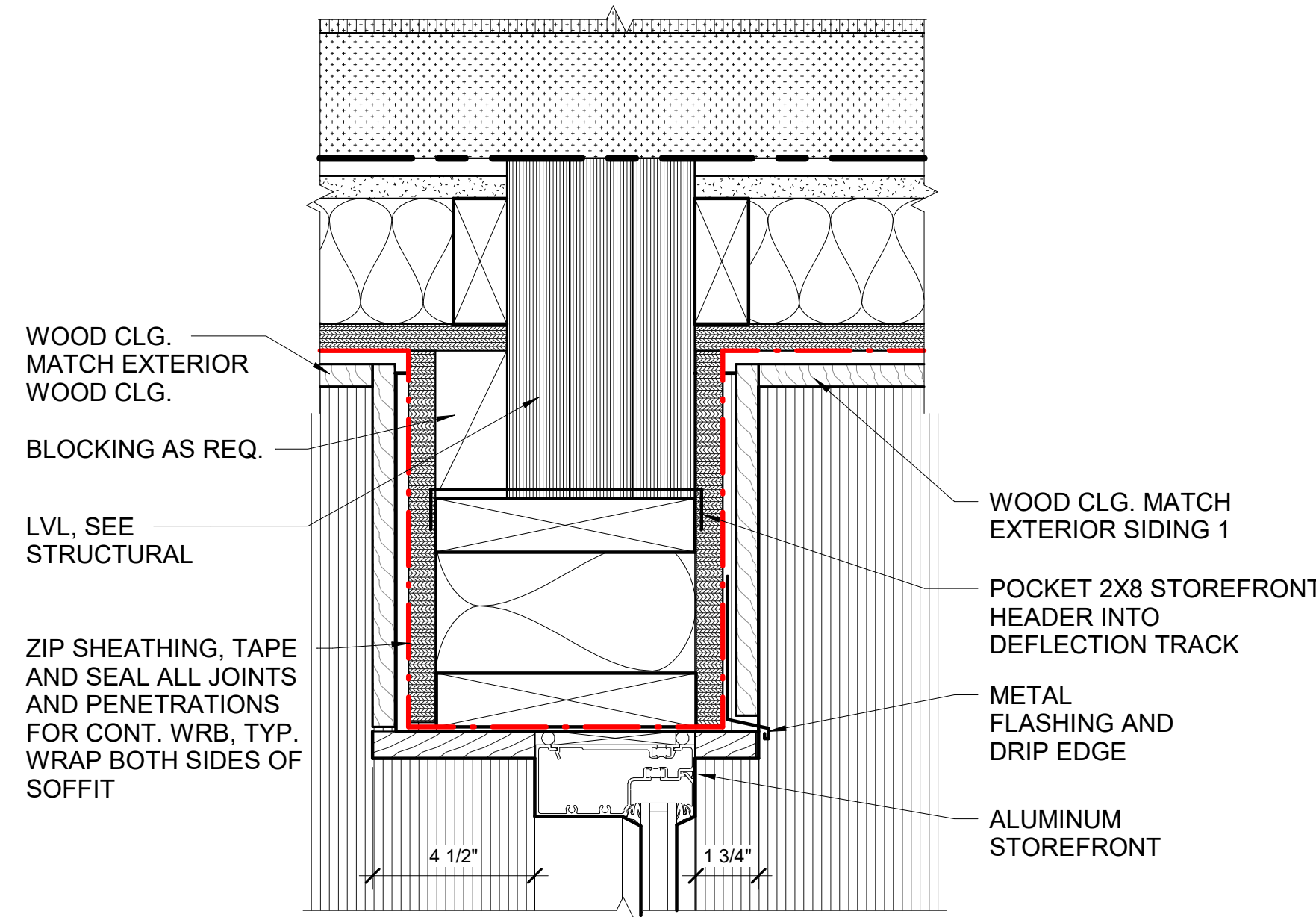
1 SILL + HEADER DETAIL @ PASS-THRU WINDOW
3" = 1'-0"



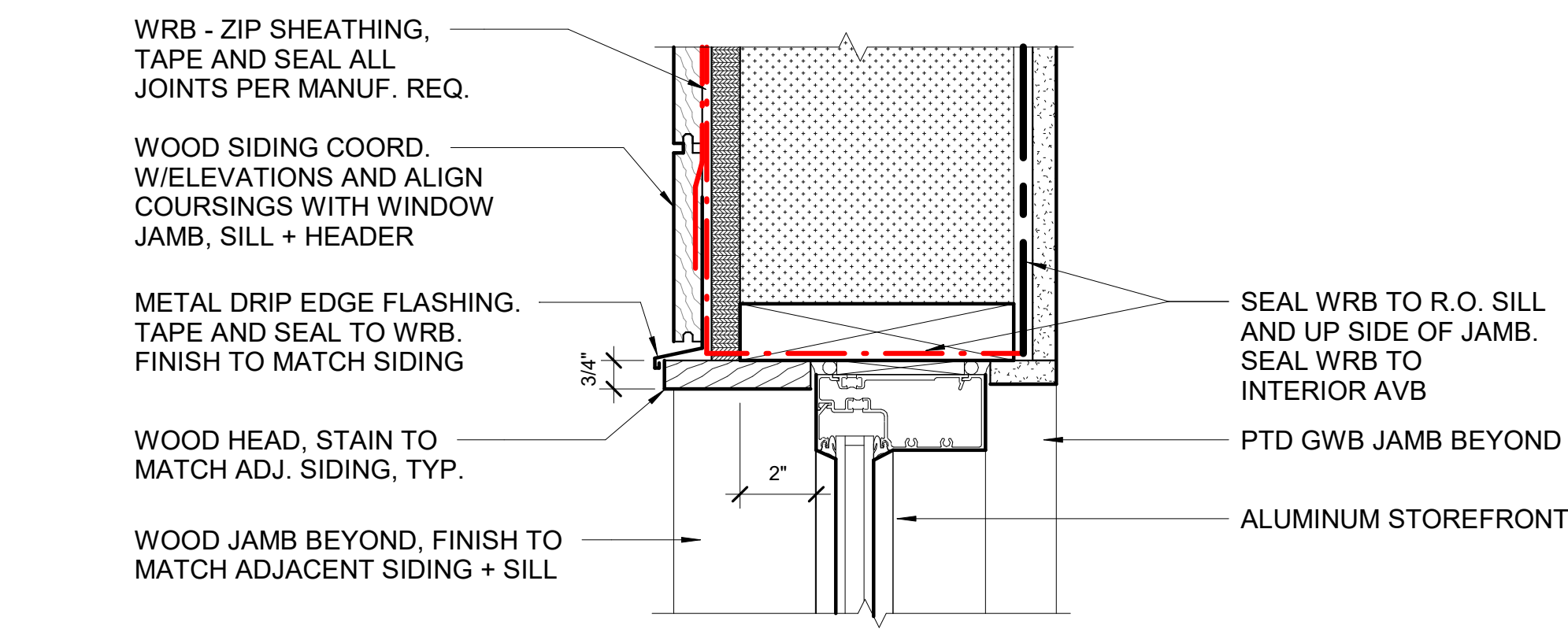
4 PLAN DETAIL @ PASS-THRU WINDOW
3" = 1'-0"



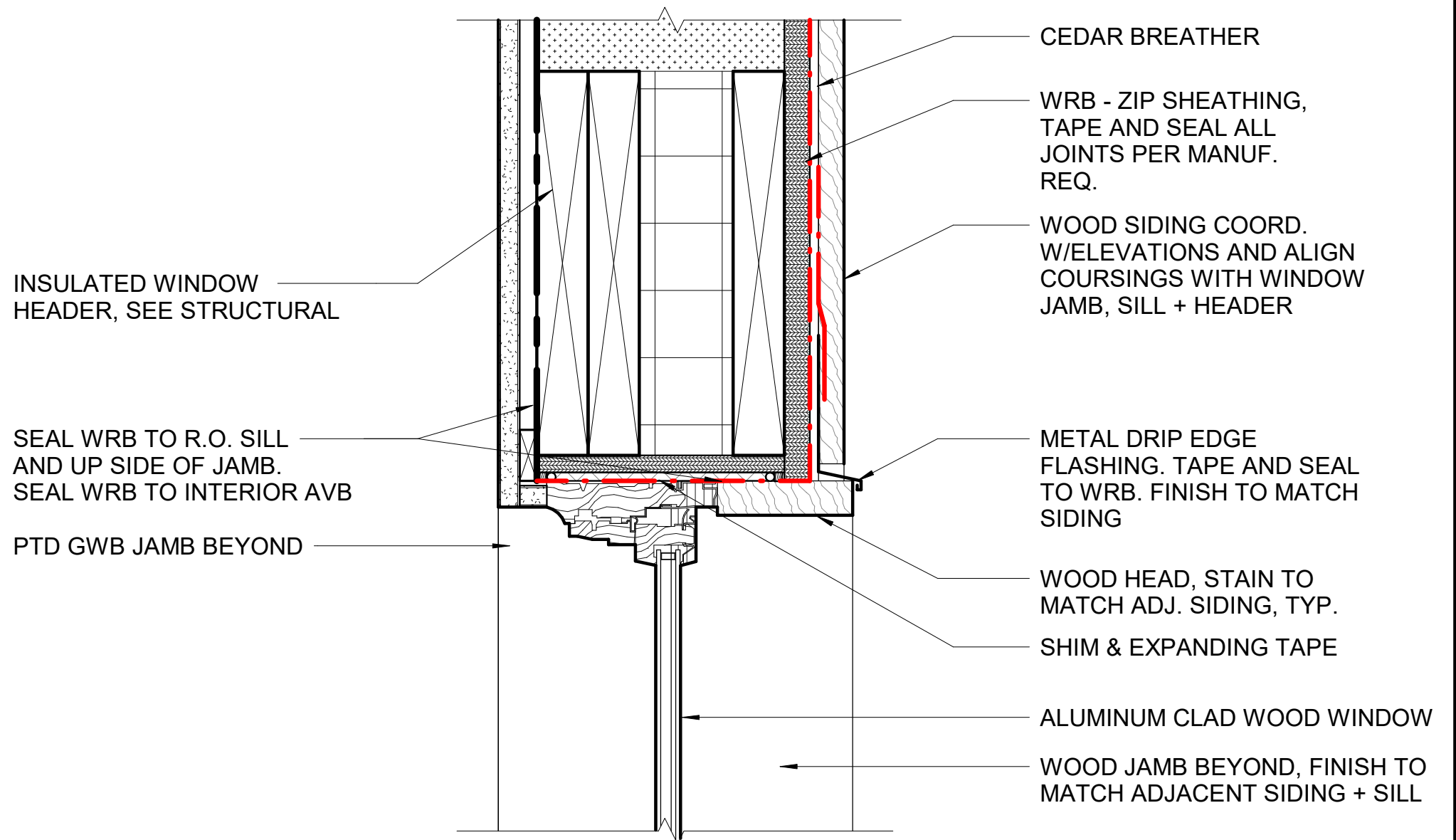
7 TICKETING COUNTER, TYP.
3" = 1'-0"



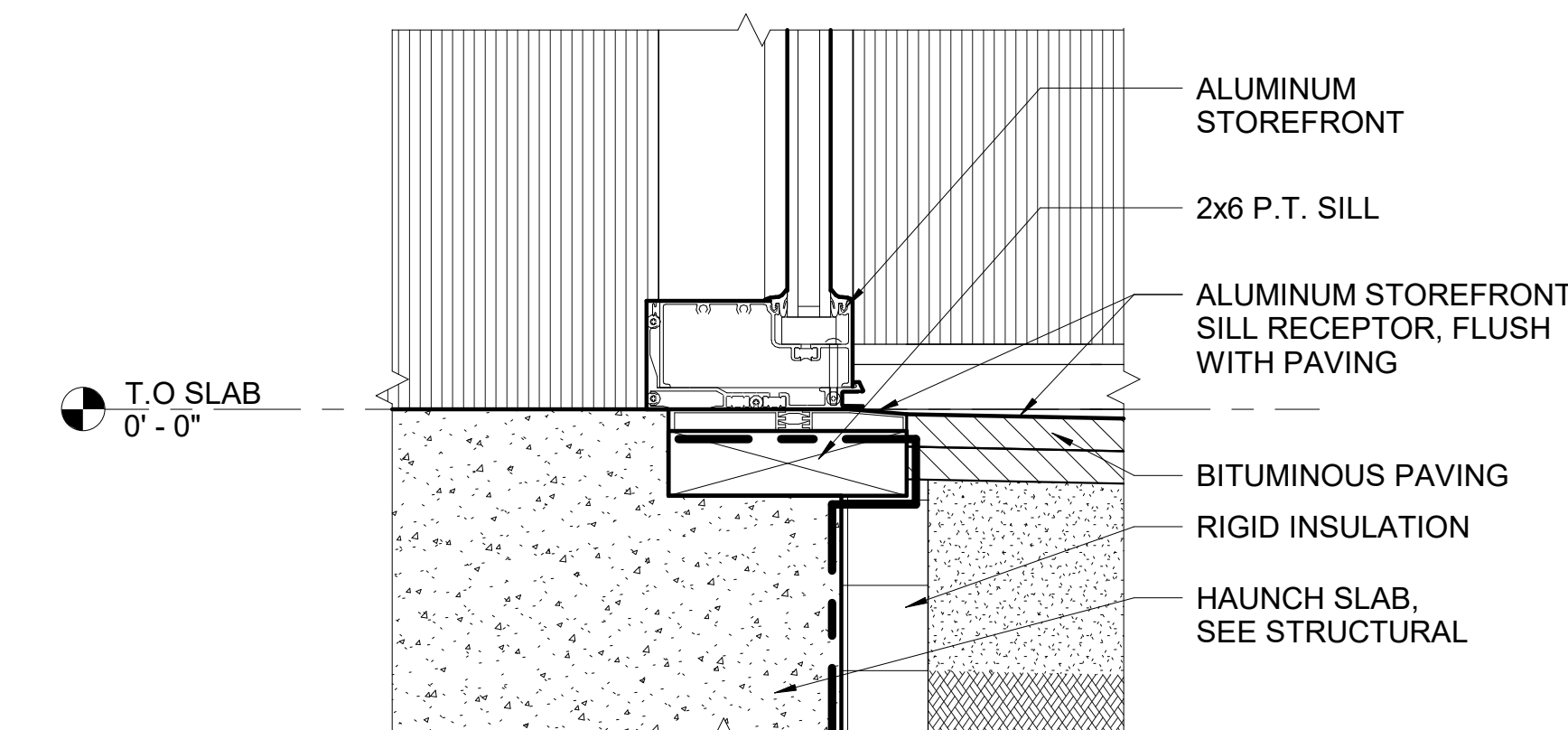
2 DETAIL AT STOREFRONT HEAD AT ADMIN
3" = 1'-0"



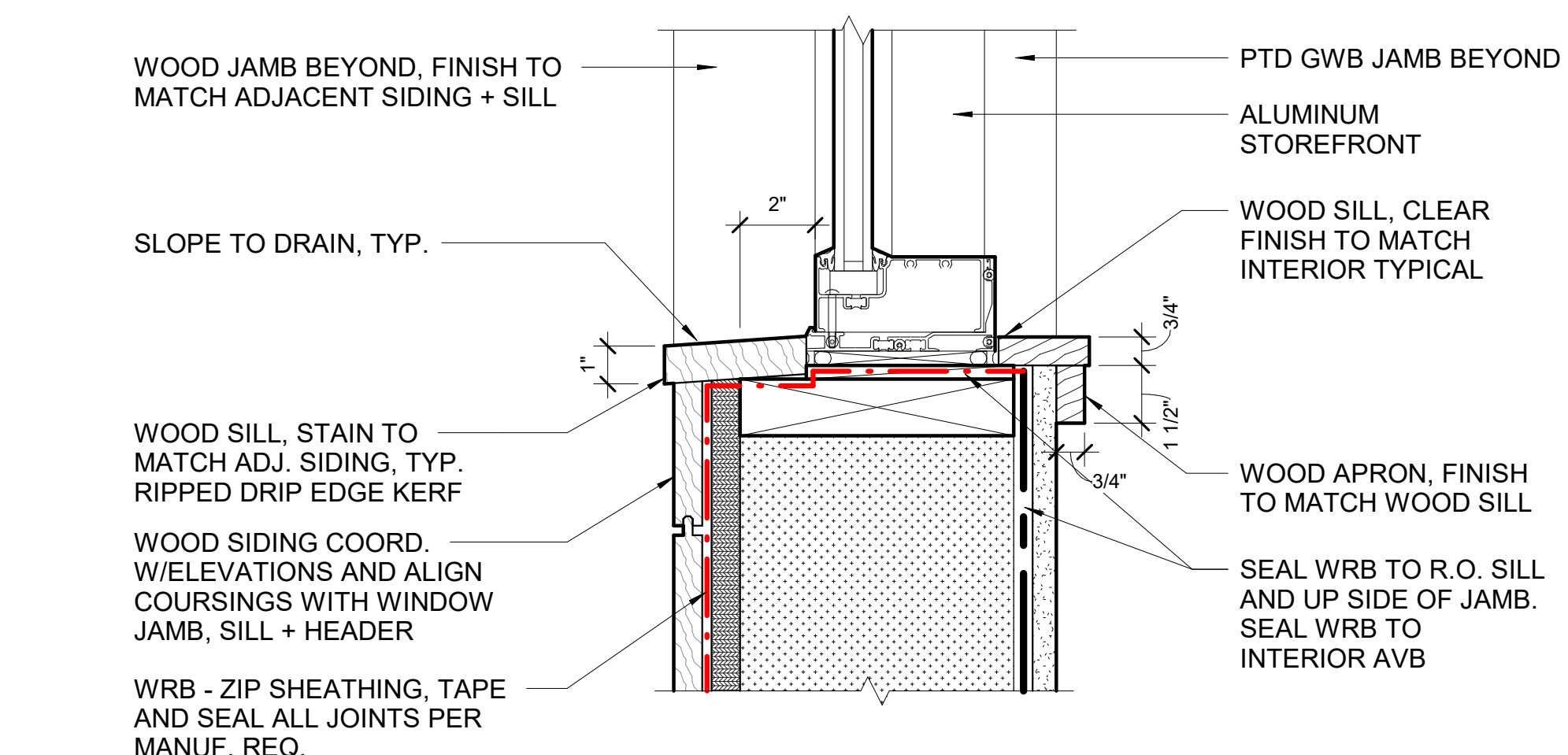
5 WINDOW HEAD AT TICKETING
3" = 1'-0"



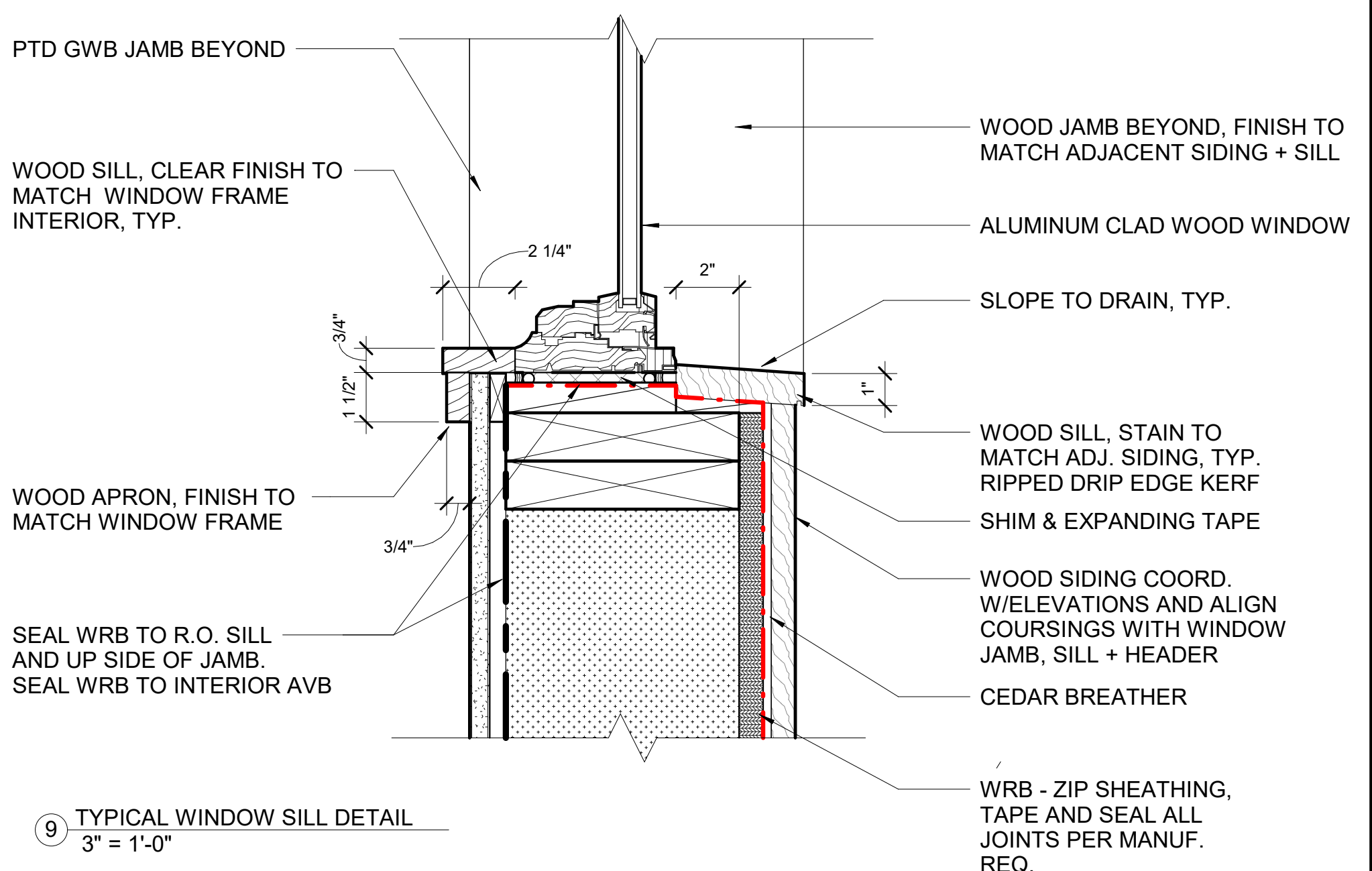
8 TYPICAL WINDOW HEADER DETAIL
3" = 1'-0"



3 STOREFRONT THRESHOLD @ ADMIN
3" = 1'-0"



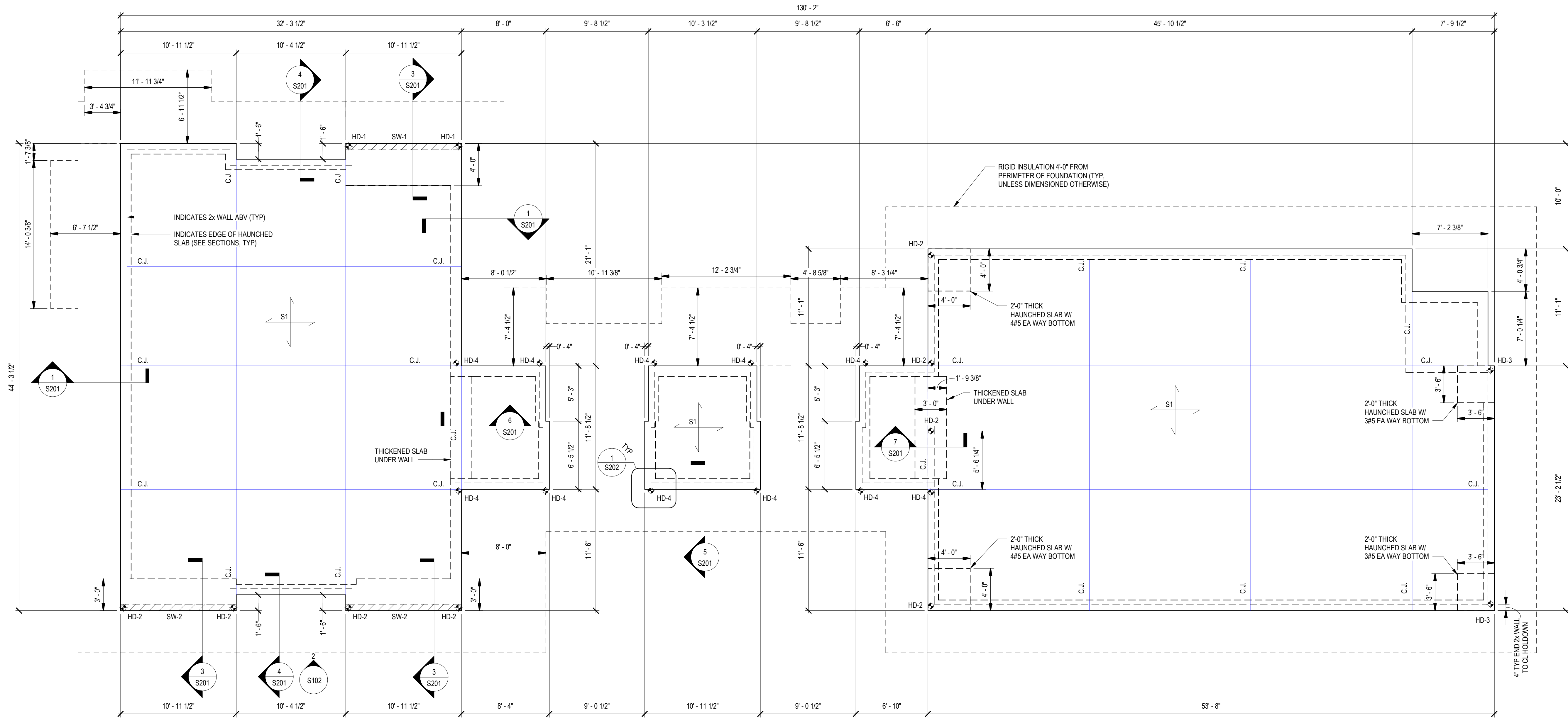
6 WINDOW SILL @ TICKETING
3" = 1'-0"



9 TYPICAL WINDOW SILL DETAIL
3" = 1'-0"

Thornton Tomasetti

Thornton Tomasetti, Inc.
14 York Street, Suite 201
Portland, ME 04101
T:207.245.6060 F:207.245.6061



1 FOUNDATION PLAN

SCALE: 3/16" = 1'-0"

NOTES:

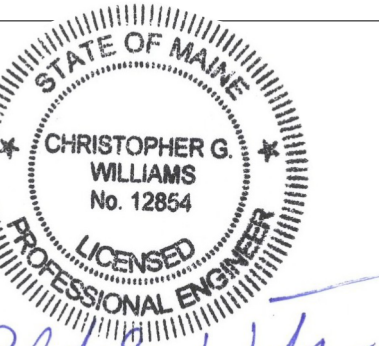
- SEE GENERAL NOTES FOR CONCRETE COMPRESSIVE STRENGTH
- T/SLAB = EL 00'-0", UON
- C.J. INDICATES SLAB CONTROL/CONTRACTION JOINT.
- S1 INDICATES 4" SLAB ON GRADE WITH 6#6-W2.9x2W2.9 WELDED WIRE FABRIC. SEE SECTIONS S201 OR DIMENSIONS & REINFORCEMENT REQUIREMENTS @ HAUNCHED SLAB.
- HD-X INDICATES SIMPSON HOLD-DOWN.
HD-1 INDICATES HDU8 W/ (20)1/4"x4 1/2" SDS SCREWS TO POST & 7/8" SSB28 ANCHOR BOLT TO FOUNDATION
HD-2 INDICATES HDU4 W/ (10)1/4"x4 1/2" SDS SCREWS TO POST & 5/8" SSB16 ANCHOR BOLT TO FOUNDATION
HD-3 INDICATES DTTZ-SDS2.5 W/ (8)1/4"x2 1/2" SDS SCREWS TO POST & 1/2" HEADED ANCHOR BOLT EMBED 18" IN FOUNDATION
HD-4 INDICATES STDH10 W/ (24)0.148"x3 1/4" NAILS TO PSL POST (SEE DETAIL 1/S202)
- SW-X INDICATES SHEAR WALL (SEE NOTES S102).

PROJECT NAME:

IFW Visitor Center Redesign

GRAY, MAINE

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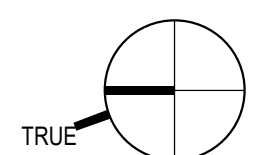
DATE OF ISSUE: 4/23/2024

PROJECT NUMBER: 2017-0110

STATUS: ISSUE FOR BID

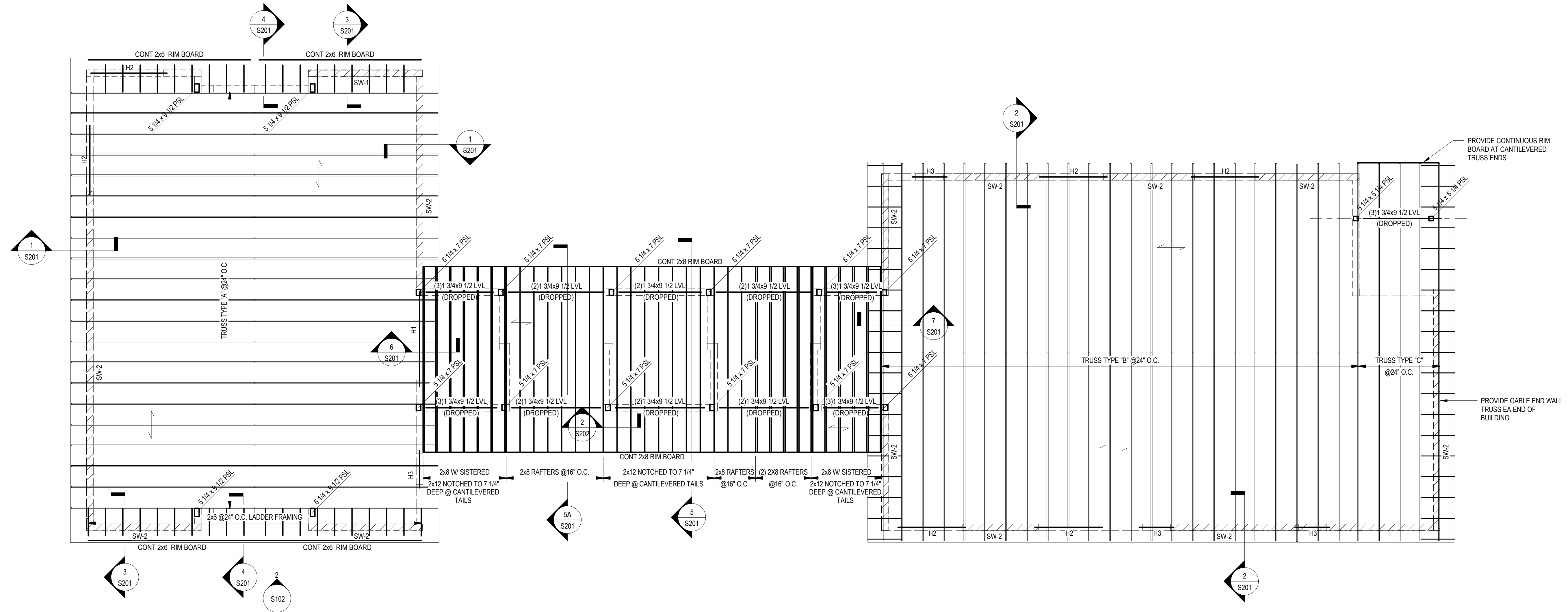
FOUNDATION PLAN

S101



Thornton Tomasetti

Thornton Tomasetti, Inc.
14 York Street, Suite 201
Portland, ME 04101
T:207.245.6060 F:207.245.6061



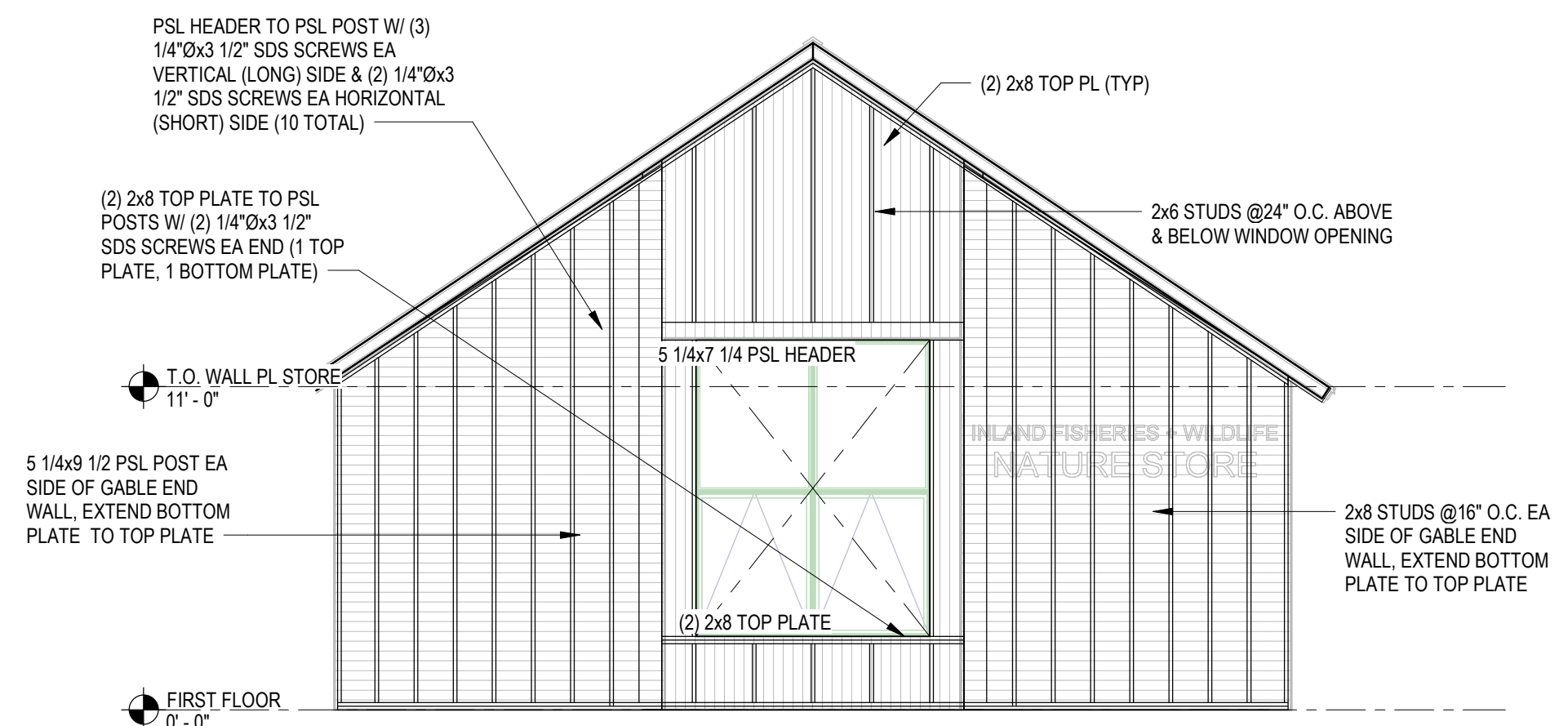
1 ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"

NOTES:

- INDICATES SPAN 5/8" ZIP ROOF SHEATHING W/ 8D NAILS @ 6" O.C. EDGE, 12" O.C. FIELD.
- SW-X INDICATES SHEAR WALL WITH FOLLOWING NAIL PATTERNS. BLOCK ALL EDGES OF SHEATHING.
SW-1: 8D NAILS @ 4" O.C. EDGE, 12" O.C. FIELD
SW-2: 8D NAILS @ 6" O.C. EDGE, 12" O.C. FIELD
- T/PLATE ELEVATION VARIES. SEE WALL SECTIONS S201.

HEADER SCHEDULE			
HEADER	FRAMING	JACK STUD	KING STUD
H1	(4)2x12	(2)2x6	(2)2x6
H2	(3)2x12	(2)2x6	(2)2x6
H3	(3)2x6	(1)2x6	(1)2x6



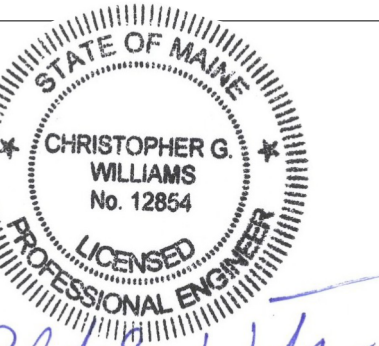
2 GABLE END ELEVATION

SCALE: 3/16" = 1'-0"

PROJECT NAME:
IFW Visitor Center Redesign

GRAY, MAINE

SEAL:



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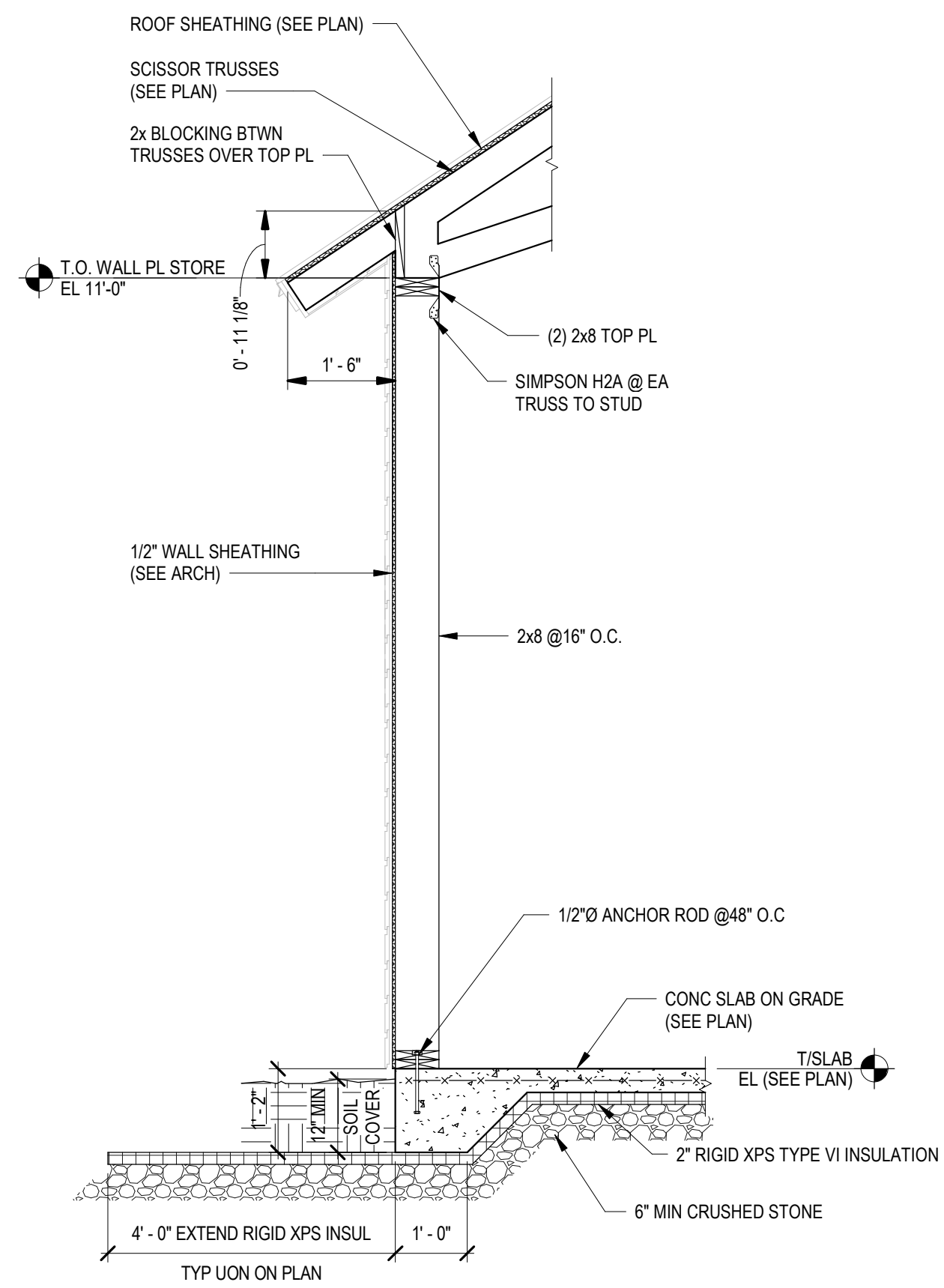
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ROOF FRAMING PLAN

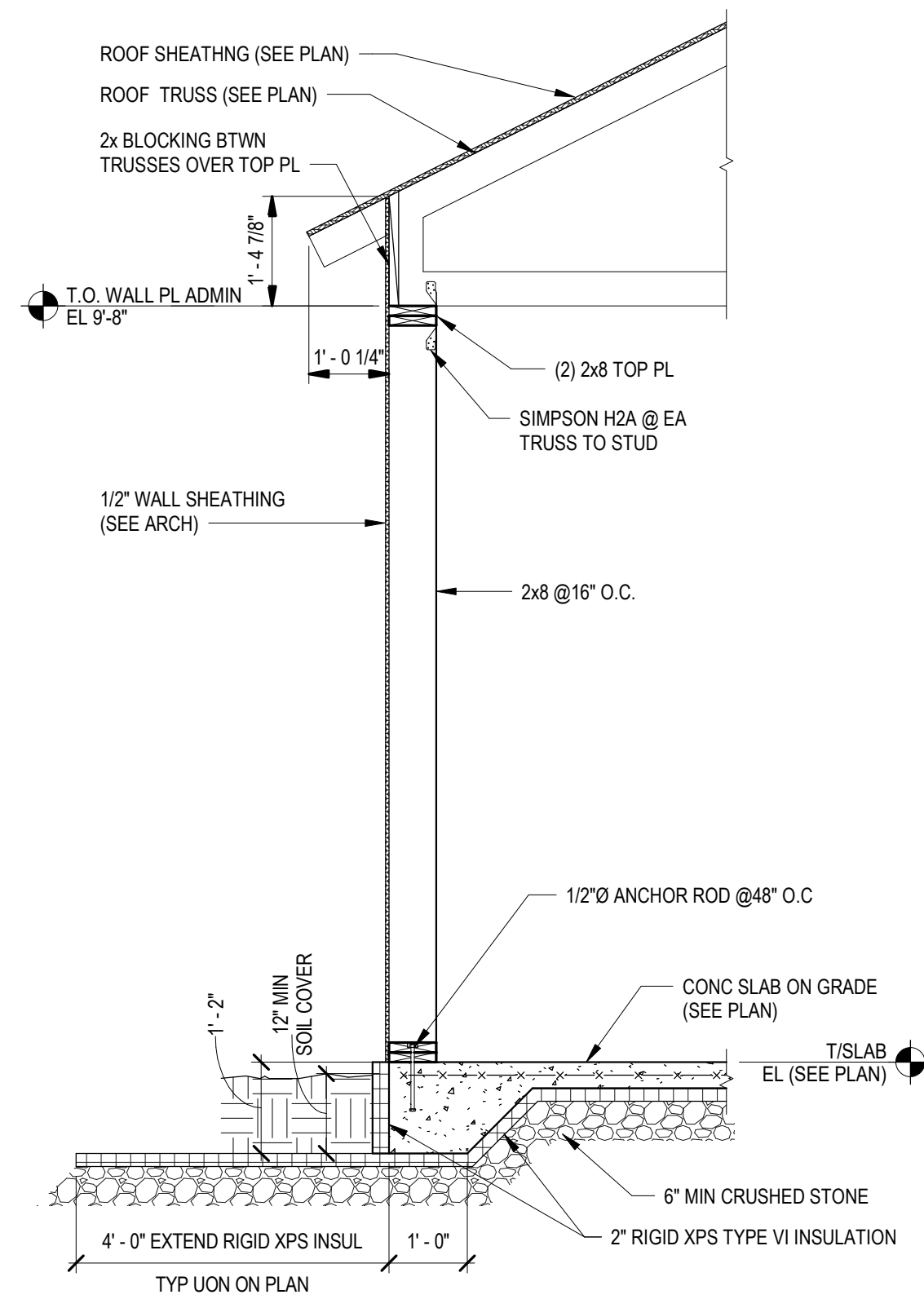
S102

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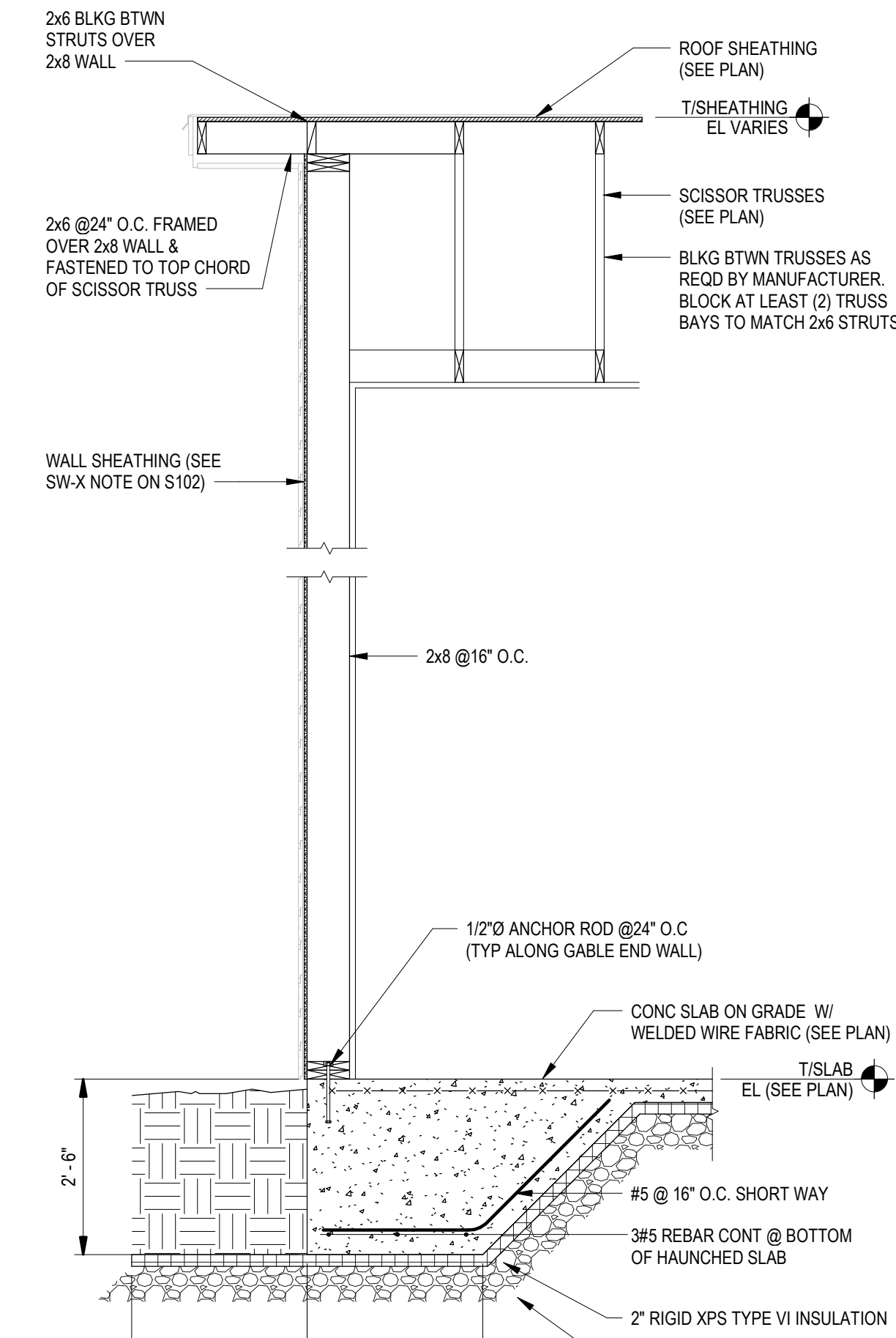
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14 York Street, Suite 201
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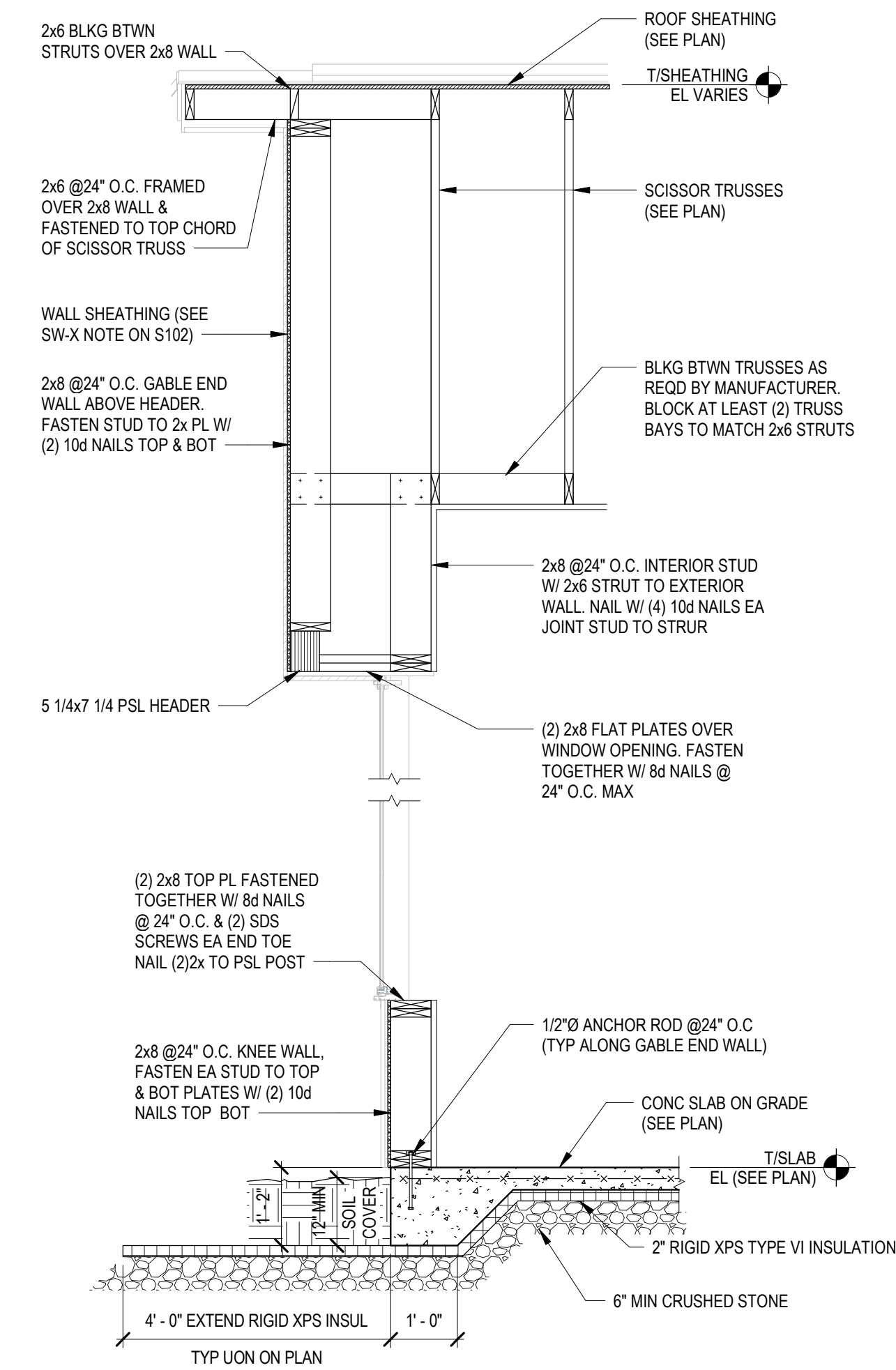
1 TYPICAL WALL SECTION @ NATURE STORE
SCALE: 1/2" = 1'-0"



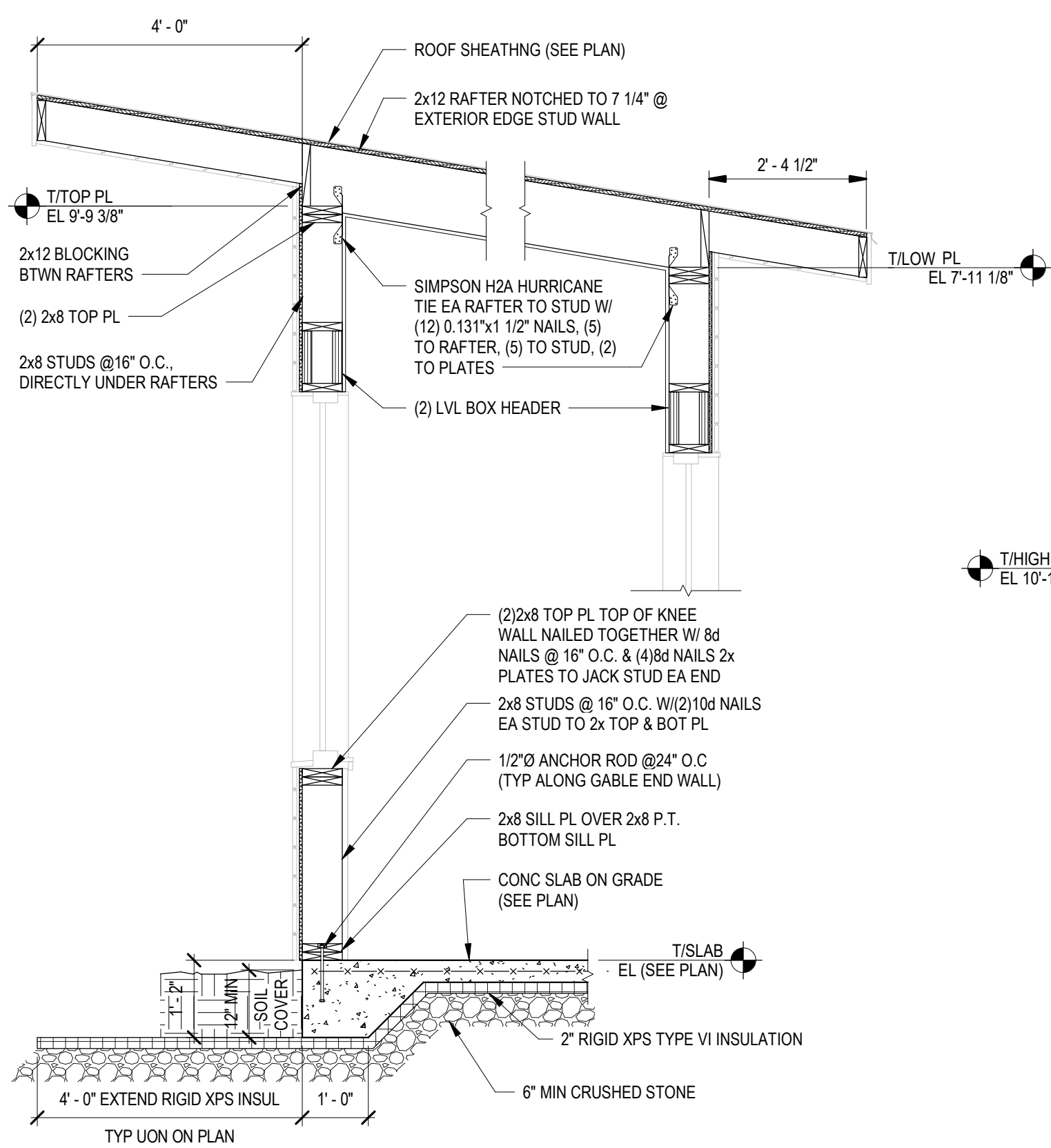
2 TYPICAL WALL SECTION @ OFFICE
SCALE: 1/2" = 1'-0"



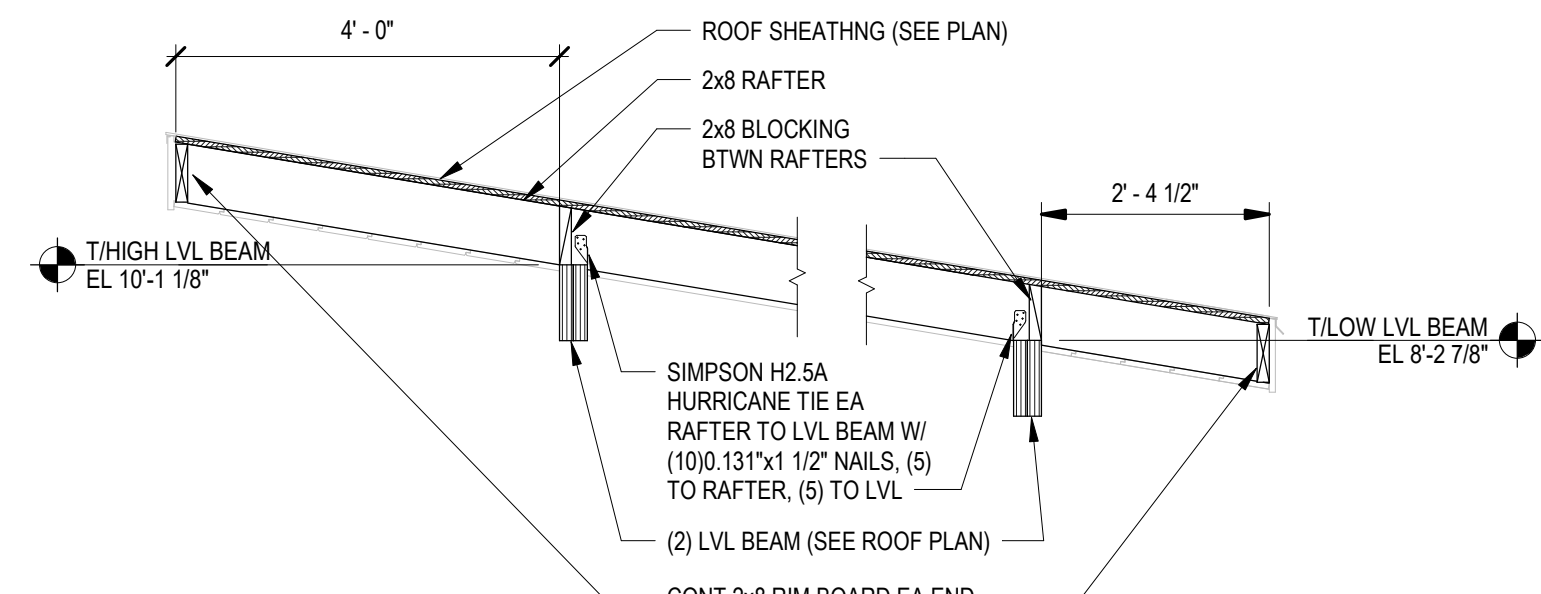
3 GABLE END WALLS AT NATURE STORE
SCALE: 1/2" = 1'-0"



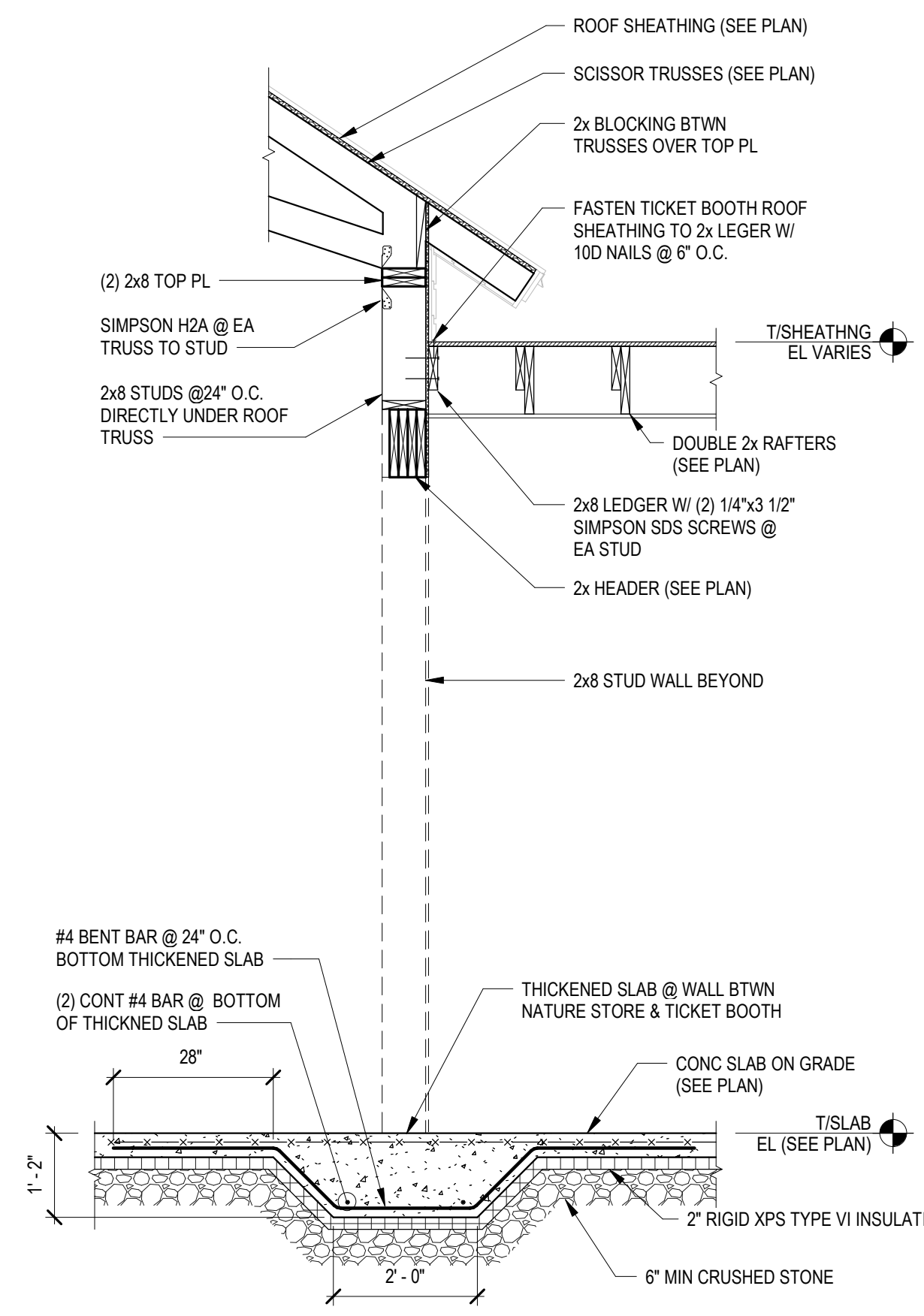
4 GABLE END WALL SECTION AT NATURE STORE WINDOW
SCALE: 1/2" = 1'-0"



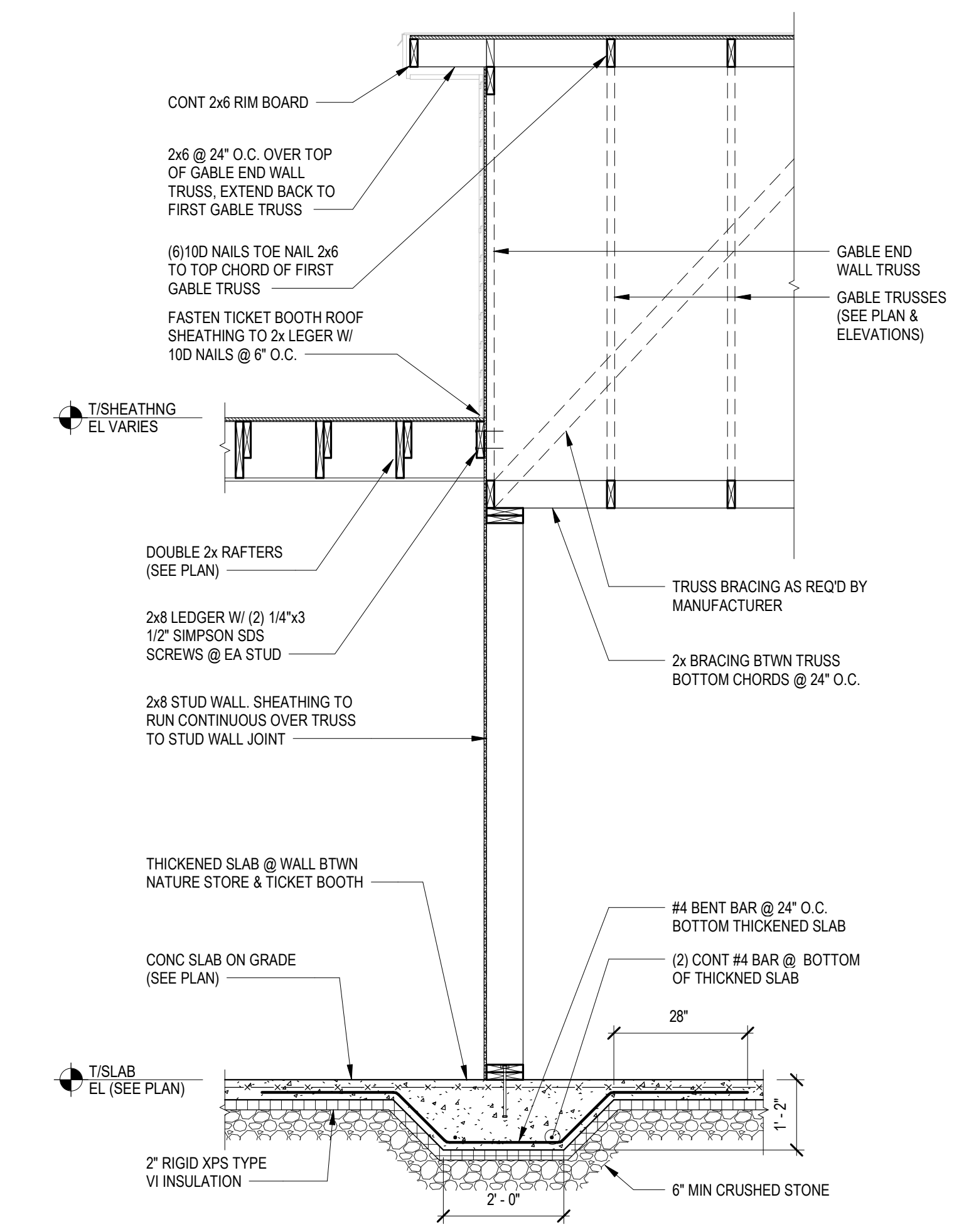
5 SECTION AT TICKET BOOTH
SCALE: 1/2" = 1'-0"



5A OPEN FRAMING TICKET BOOTH
SCALE: 1/2" = 1'-0"



6 SECTION AT NATURE STORE TICKET BOOTH
SCALE: 1/2" = 1'-0"

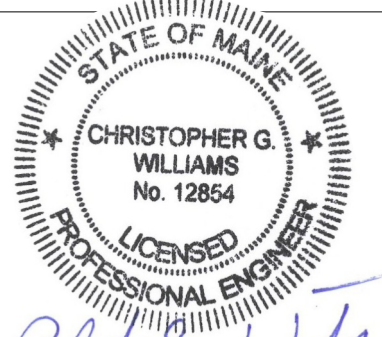


7 SECTION AT OFFICE TICKET BOOTH
SCALE: 1/2" = 1'-0"

PROJECT NAME:
IFW Visitor Center Redesign

GRAY, MAINE

SEAL:



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PROJECT NUMBER: 2017-0110
STATUS: ISSUE FOR BID

WALL SECTIONS

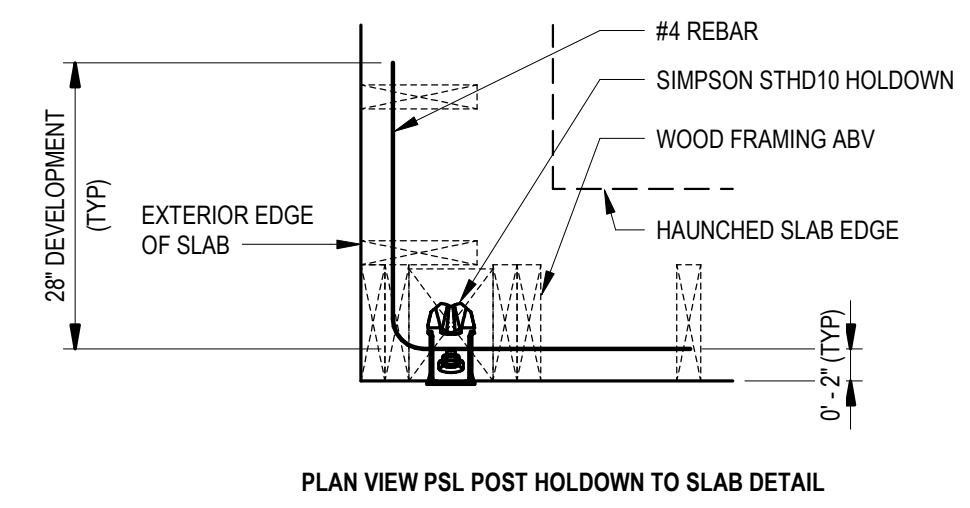
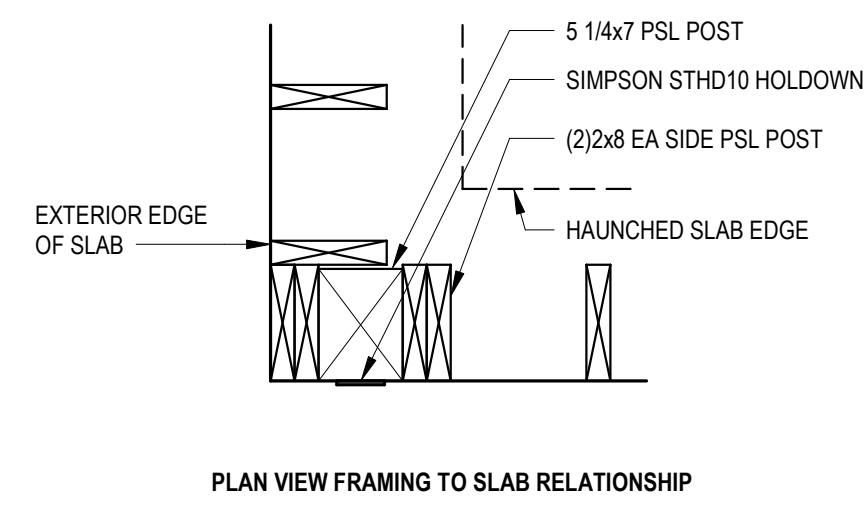
S201



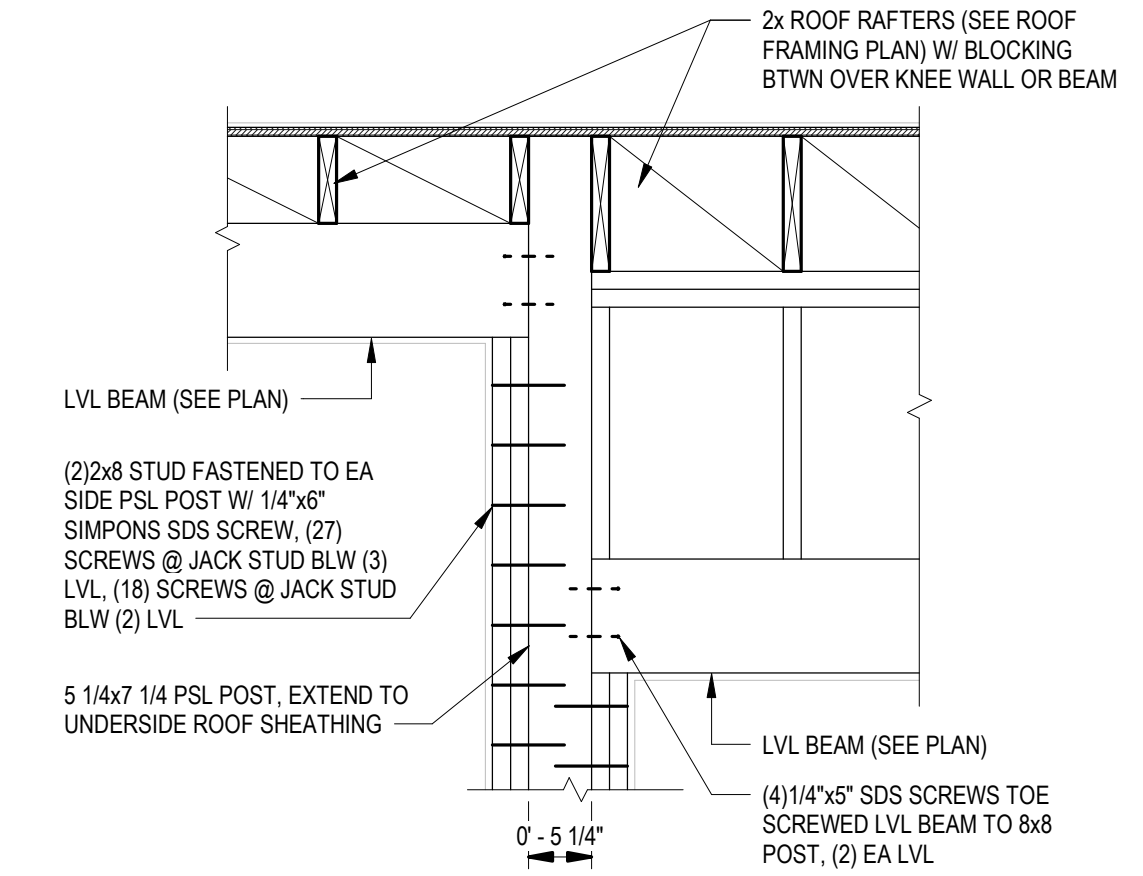
75 York Street
Portland, Maine 04101
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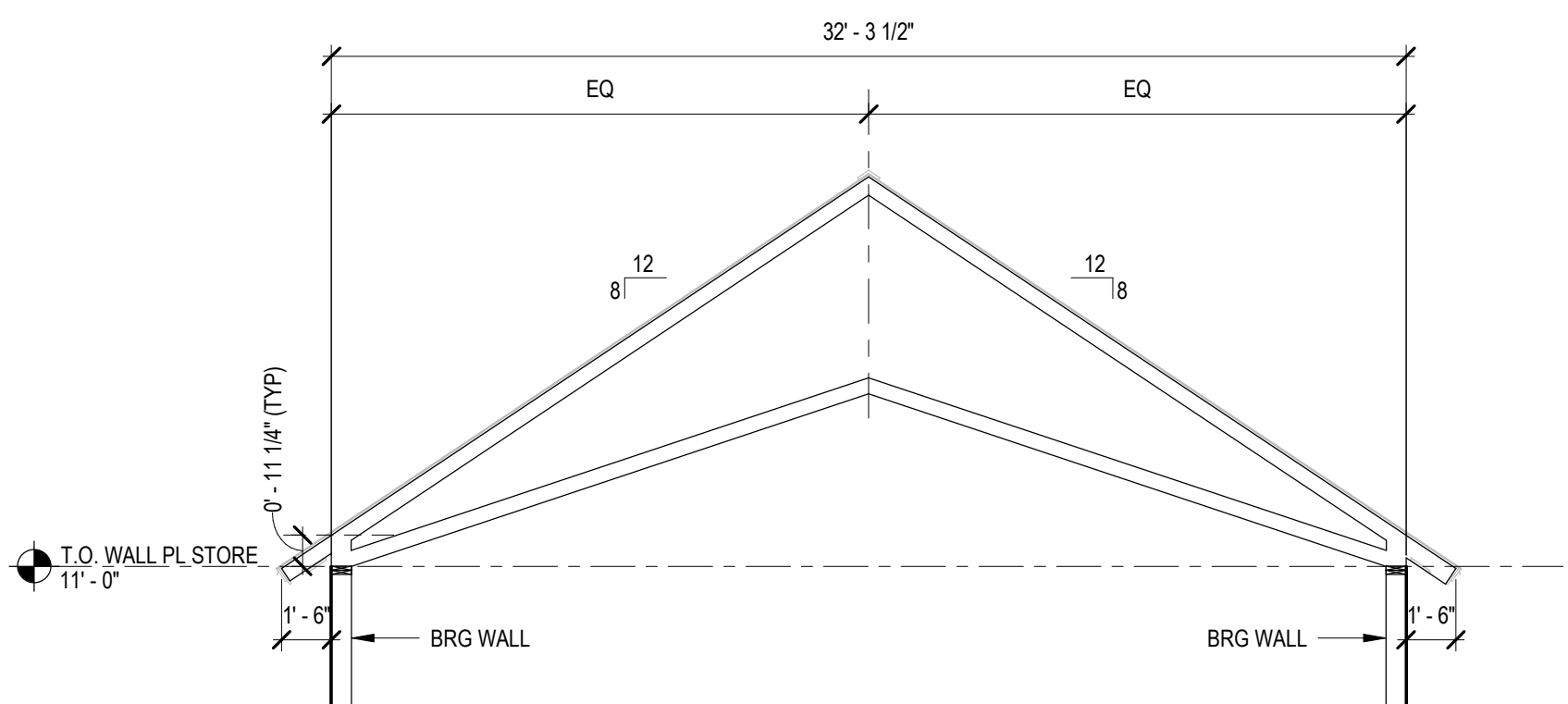
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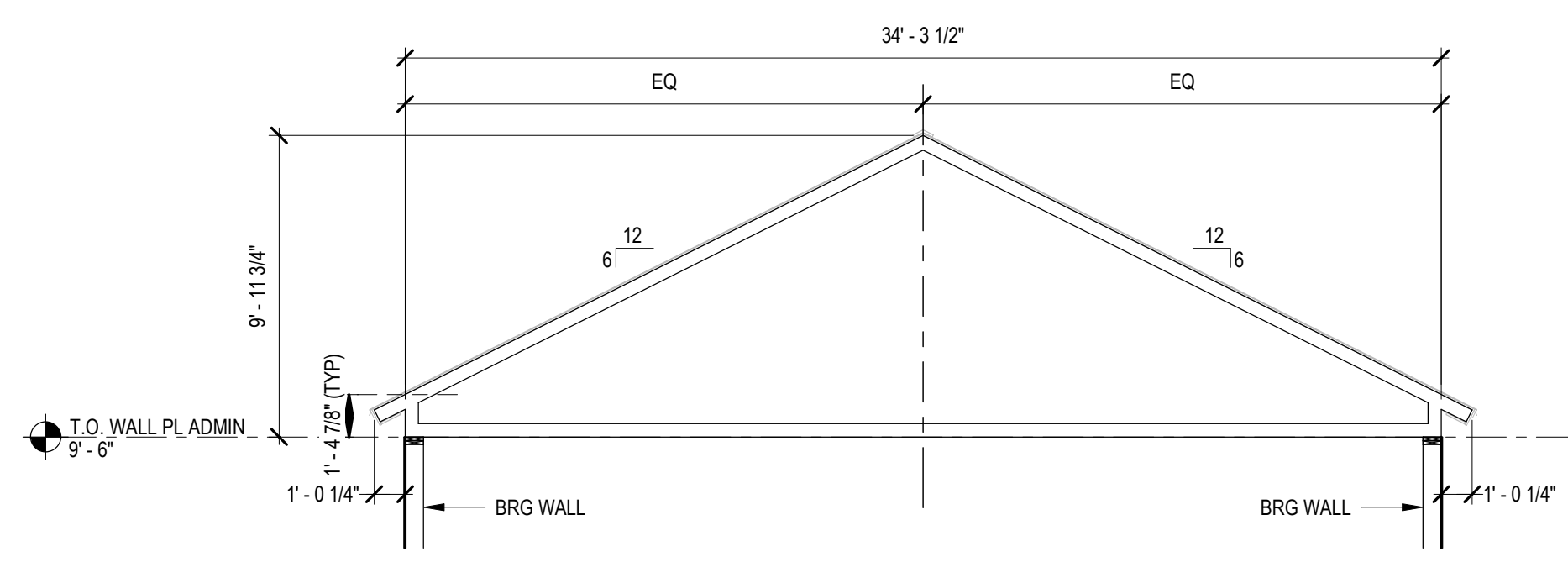
1 PSL POST TO SLAB DETAIL
SCALE: 1" = 1'-0"



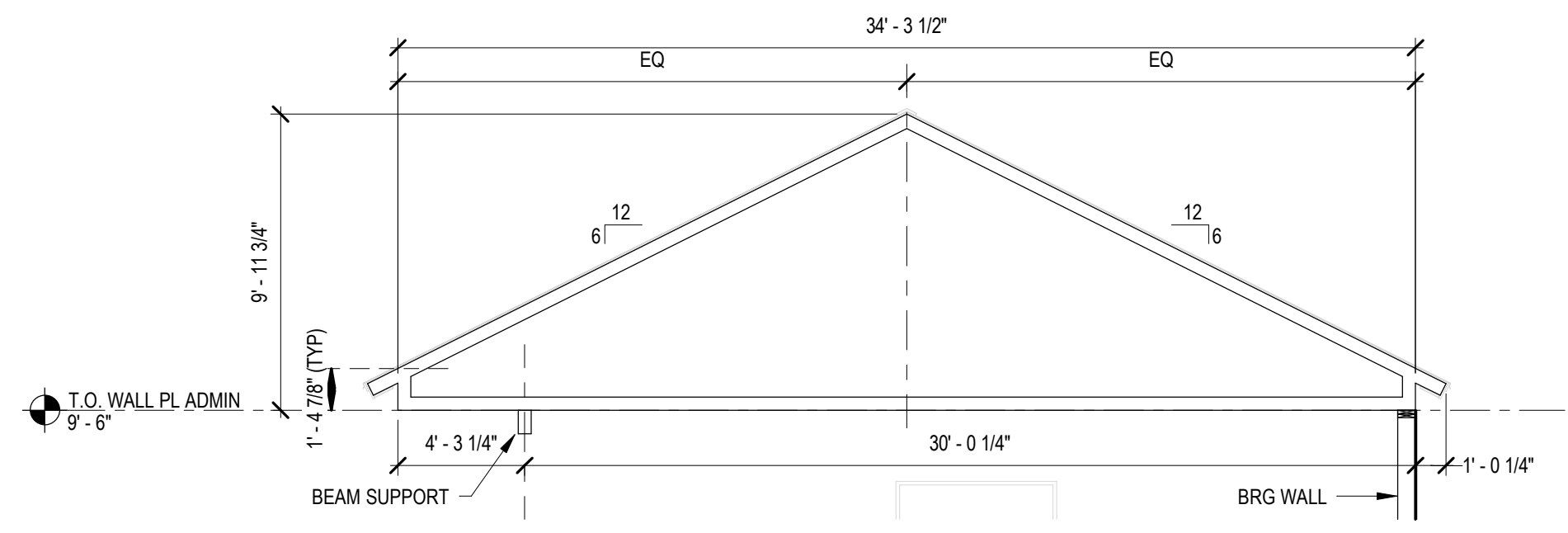
2 LVL TO POST CONN
SCALE: 3/4" = 1'-0"



3 TRUSS TYPE A - SCISSOR TRUSS
SCALE: 3/16" = 1'-0"



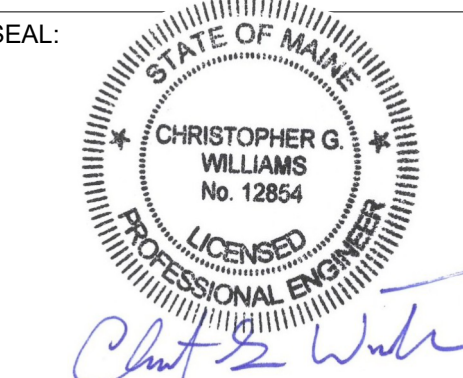
4 TRUSS TYPE B - GABLE TRUSS
SCALE: 3/16" = 1'-0"



5 TRUSS TYPE C - GABLE TRUSS
SCALE: 3/16" = 1'-0"

PROJECT NAME:
IFW Visitor Center Redesign

GRAY, MAINE



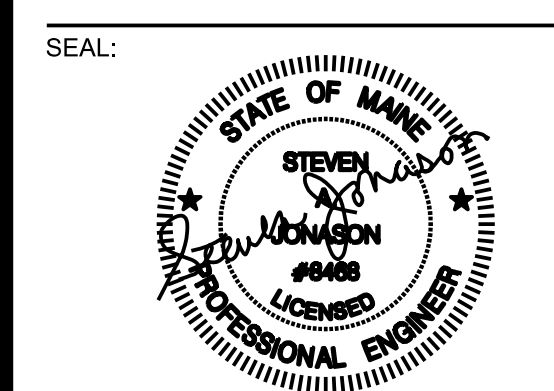
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DATE OF ISSUE: 4/23/2024
PROJECT NUMBER: 2017-0110
STATUS: ISSUE FOR BID

FRAMING SECTIONS & TRUSS ELEVS

PROJECT NAME:
IF+W



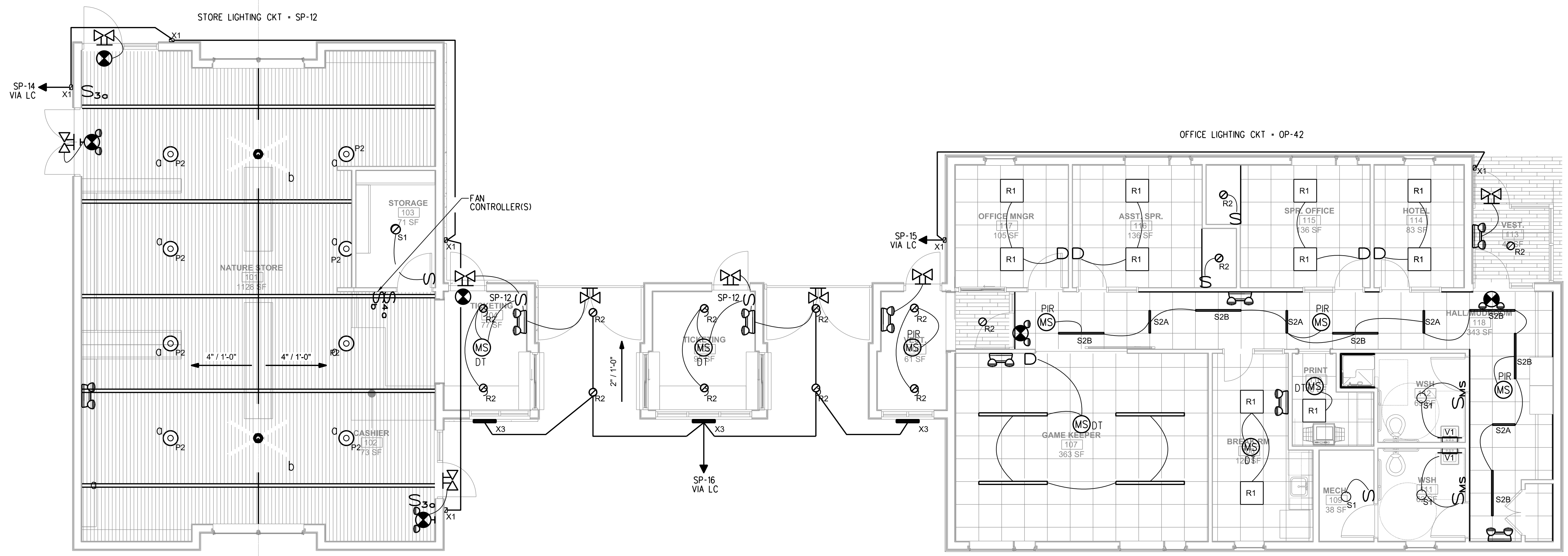
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REVISIONS

DATE OF ISSUE: 26 APRIL, 2024
PROJECT NUMBER: 2000.01
STATUS: BID SET

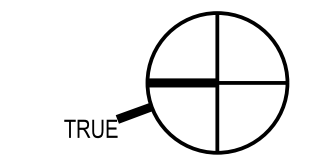
Lighting Plan

E101



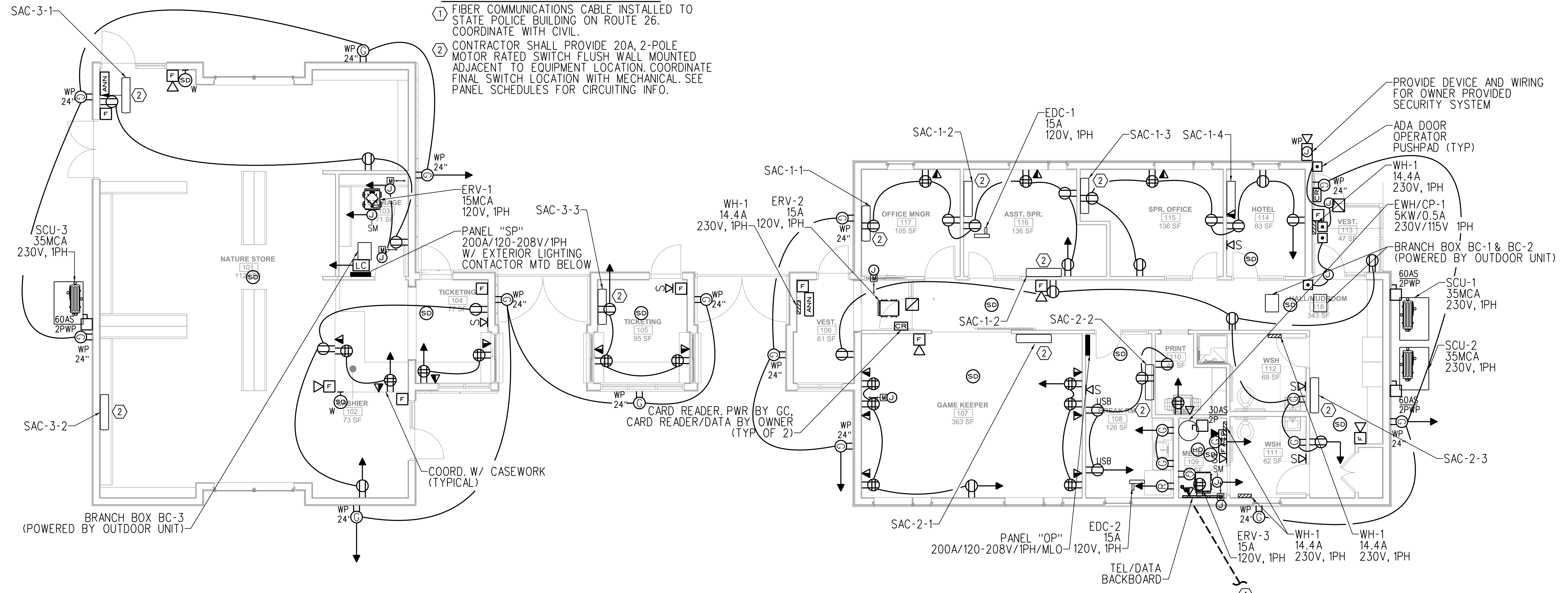
1 LIGHTING PLAN
SCALE: 3/16" = 1'-0"

LIGHTING FIXTURE SCHEDULE										
TYPE	MANUF.	CATALOG NUMBER	TYPE	VOLTS	DIMMING	MOUNTING	MTG HEIGHT	FINISH	LOCATION	NOTES
R2	LIGTHEADED	2-156-TLW-05-SL-BRO55-35-8010 / D4B-F-R-TL-5-P-XX	35K LED / 1800 LUMENS	TBD	0-10V	RECESSED	N/A	N/A	THROUGHOUT	
P1	LIGHTLY	B-6-XX-XX-XX-A-M-35-R-XX	35K LED / 1400 LUM/FT	UNV	0-10V	PENDANT	7' AFF	TBD	MEETING	
P2	CONTECH	OGL1254-35K-MVD2-A16-FC-B-PACDLA16	35K LED / 2985 LUMENS	UNV	0-10V	PENDANT	15' AFF	TBD	STORE	
S1	LITON	LCMPD7-R-XX-UE-D10-TS30	30K LED / 1100 LUMENS	UNV	0-10V	CEILING	N/A	TBD	RESTROOM	
S2	LITON	DCG1-XX-04-35K-UD-XX	35K LED / 227 LUM/FT	UNV	0-10V	CEILING	N/A	TBD	CORRIDOR	LENGTHS PER PLANS; REFER TO RCP
V1	AFX	BARV2403L30D1BK	30K LED / 1289 LUMENS	120	ELV	WALL	TBD	BLACK	RESTROOM	MOUNTED ABOVE MIRROR (TBD)
X1	TARGETTI	MRS-W41-XX-MD-L1-30	30K LED / 522 LUMENS	UNV	0-10V	WALL	6' AFF	TBD	EXTERIOR	
X2	TARGETTI	DRM-41-XX-L2-FL-30 / 1E3028	30K LED / 2042 LUMENS	UNV	0-10V	EARTH SPIKE	GROUND	TBD	EXTERIOR	
X3	TARGETTI	MSS-W41-XX-BI-L2-30	30K LED / 1055 LUMENS	UNV	0-10V	WALL	8' AFF	TBD	EXTERIOR	
EX	EVENLITE	TLX-EM-XX	LED					TBD	THROUGHOUT	
EBU	EVENLITE	TCL-XX-XX	LED					WALL	THROUGHOUT	



POWER WORK NOTES

- FIBER COMMUNICATIONS CABLE INSTALLED TO STATE POLICE BUILDING ON ROUTE 26. COORDINATE WITH CIVIL.
- CONTRACTOR SHALL PROVIDE 20A, 2-POLE MOTOR RATED SWITCH FLUSH WALL MOUNTED ADJACENT TO EQUIPMENT LOCATION. COORDINATE FINAL SWITCH LOCATION WITH MECHANICAL. SEE PANEL SCHEDULES FOR CIRCUITING INFO.



2 POWER PLAN

E201 SCALE: 3/16" = 1'-0"

PANEL OP 120/240 1PH 3W 200 AMP MLO 42K AIC NEMA TYPE 1 (SURFACE)															
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA
1	EW	30	2	22	1.00	22	2288	2	CP-1	20	1	1	1.00	1	60
3	TBB (LEFT RECEPTS)	20	1	14	1.00	14	1681	4	FAOP	20	1	5	1.00	5	600
5	TBB (RIGHT RECEPTS)	20	1	14	1.00	14	1681	6	RECEPTS: MECH RM	20	1	3	1.00	3	360
7	WH-1: MECH RM	20	2	14	1.00	14	1498	8	ERV-3	20	1	15	1.00	15	1801
9	MOTOR OPERATED DAMPERS AT HVAC DUCTWORK	20	1	3	0.50	2	180	10	EDC-2	20	1	15	1.00	15	1801
13	WH-1: WASHRM 112	20	2	14	1.00	14	1498	12	WH-1: WASHRM 111	20	2	14	1.00	14	1498
15	SCU-1	50	2	35	1.00	35	3640	16	GEN USE RECEPTS: HALL/MUD RM WASHROO	20	1	11	0.50	6	660
17	SAC-1-1 THRU SAC-1-4: OFFICES	20	2	4	1.00	4	416	18	COUNTER RECEPTS: BREAK RM	20	1	3	0.50	2	180
23	REFRIGERATOR: BREAK RM	20	1	10	1.00	10	1201	20	SCU-2	50	2	35	1.00	35	3640
29	DEDICATED QUAD AT COPIER	20	1	14	0.50	7	841	22	SAC-2-1 THRU SAC-2-3: GAME KEEPER/	20	2	3	1.00	3	312
31	RECEPTS: GAMEKEEPER WORKSTATIONS	20	1	11	0.50	6	660	26	BREAK RM/MUD RM	20	2	3	1.00	3	312
33	RECEPTS: ASST. SPR & OFFICE MNGR	20	1	14	1.00	14	1681	28	RECEPTS: BREAK RM/PRINT	20	1	6	1.00	6	721
35	ERV-2	20	1	15	1.00	15	1801	30	RECEPTS: GAME KEEPER WORKSTATIONS	20	1	9	1.00	9	1081
37	EDC-1	20	1	15	1.00	15	1801	32	RECEPTS: HOTEL & SPR. OFFICE	20	1	12	1.00	12	1441
39	WH-1: VEST 113	20	2	14	1.00	14	1498	34	WH-1: VEST 106	20	2	14	1.00	14	1498
41								36	DOOR OPERATORS	20	1	2	0.20	0	48
								40	SMOKE DETECTORS	20	1	1	1.00	0	0
								42	LIGHTS	20	1	0.80	0	0	0

- AT - Amp Trip
- P - Poles
- A - Amps
- CA - Connected Amperes
- DF - Demand Factor (1 - .1)
- DA - Demand Amperes
- DW - Demand Watts
- MLO - Main Lug Only
- MCB - Main Circuit Breaker

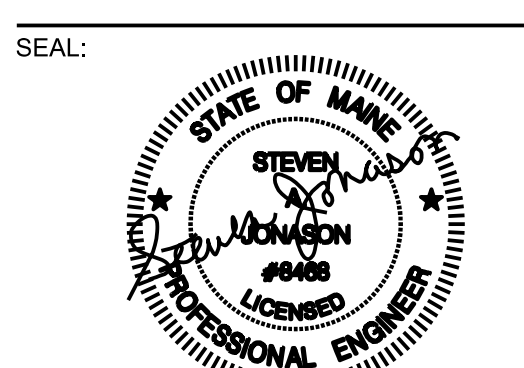
LOCATION OF PANEL: BREAK RM

PANEL SP 120/240 1PH 3W 200 AMP MLO 42K AIC NEMA TYPE 1 (SURFACE)															
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	VA
1	EXTERIOR RECEPTS AT OFFICE BLDG	20	1	5	0.50	2	270	2	EXTERIOR RECEPTS AT TICKETING/STORE	20	1	6	0.50	3	360
3	RECEPTS: TICKETING BOOTH 105	20	1	8	0.50	4	450	4	ERV-1 (PART OF ADD ALT PACKAGE)	20	1	15	1.00	15	1801
5	QUAD RECEPTS: TICKETING 104 WORKSTATIONS	20	1	6	0.50	3	360	6	QUAD RECEPTS: CASHIER 102	20	1	6	0.50	3	360
7	GEN USE RECEPTS: STORE 101/TICKETING 104	20	1	5	0.50	2	270	8	GEN USE RECEPTS: STORE 101/STORAGE 103	20	1	5	0.50	2	270
9	EXTERIOR RECEPTS AT STORE	20	1	6	0.50	3	360	10	MOTOR OPERATED DAMPERS AT HVAC DUCTWORK	20	1	3	0.50	2	180
11	SMOKE DETECTORS	20	1	5	1.00	5	600	12	INTERIOR LIGHTS AT STORE/TICKETING BOOTHS	20	1	5	0.80	4	480
13	EXTERIOR LIGHTING CONTACTOR TIMECLOCK/PHOTO	20	1	4	1.00	4	480	14	EXTERIOR LITS AT STORE VIA LIGHTING CONT. (LC)	20	1	5	0.80	4	480
15	EXTERIOR LITS AT OFFICE VIA LIGHTING CONT. (LC)	20	1	10	1.00	10	1201	16	EXTERIOR LITS AT TICKETING VIA LIGHTING CONT. (LC)	20	1	5	0.80	4	480
17	LIGHTING CONTACTOR SPARE	20	1	0	1.00	0	0	18	SPARE	20	1		1.00	0	0
19	SAC-3-1 & 3-2	20	2	2	1.00	2	240	20	SCU-3	50	2	35	1.00	35	4200
21	SPARE	20	1		1.00	0	0	22	SPARE	20	1		1.00	0	0
23	SPARE	20	1		1.00	0	0	24	SPARE	20	1		1.00	0	0
25	SPARE	20	1		1.00	0	0	26	SPARE	20	1		1.00	0	0
27	SPARE	20	1		1.00	0	0	28	SPARE	20	1		1.00	0	0
29	SPARE	20	1		1.00	0	0	30	SPARE	20	1		1.00	0	0
31							0	32							0
33							0	34							0
35							0	36							0
37							0	38							0
39							0	40							0
41							0	42							0

- AT - Amp Trip
- P - Poles
- A - Amps
- CA - Connected Amperes
- DF - Demand Factor (1 - .1)
- DA - Demand Amperes
- DW - Demand Watts
- MLO - Main Lug Only
- MCB - Main Circuit Breaker

LOCATION OF PANEL: STORE STORAGE RM

PROJECT NAME:
IF+W



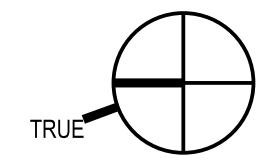
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REVISIONS

NO.	DESCRIPTION

DATE OF ISSUE: 26 APRIL, 2024
PROJECT NUMBER: 2000.01
STATUS: BID SET

Power Plan



GENERAL NOTES

- 1. NOT ALL SYMBOLS INDICATED IN THE LEGEND APPEAR ON THE DRAWINGS. COORDINATE WORK ACCORDINGLY. COMPLY WITH SPECIFICATIONS AND NOTES BELOW AS APPLICABLE.
2. ALL RECEPTACLES SHALL BE INSTALLED 18" AFF TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
3. MOUNT PANELS IN RESIDENTIAL SPACES SO NO CIRCUIT BREAKER HANDLE IS HIGHER THAN 44" AFF.
4. ALL WIRING SHALL BE COPPER UNLESS DESIGNATED AS "AL". UNLESS OTHERWISE NOTED, ALL WIRING SHALL BE 2*12 AWG AND 1*12 EQUIPMENT GROUNDING CONDUCTOR, HOMERUNS FED FROM A 20A-1P, 120V CIRCUIT IN EXCESS OF 70' SHALL BE *10 AWG.
5. CONNECT BATTERY BACKED EMERGENCY AND EXIT LIGHTING TO NEAREST LIGHTING CIRCUIT AHEAD OF ANY SWITCHING. CONNECT REMOTE HEADS WITH *10 AWG COPPER CONDUCTORS. AC EXIT FIXTURES SHALL BE CONNECTED TO NEAREST EMERGENCY CIRCUIT OR AS INDICATED.
6. TEST ALL EMERGENCY LIGHTING UNITS FOR PROPER OPERATION OF LAMPS AND BATTERIES.
7. SEE MECHANICAL PLAN FOR HVAC UNITS, PUMPS AND FANS CONTROLLED BY THERMOSTATS (PROVIDED BY A/C CONTRACTOR).
8. FUSES AND OVERLOAD UNITS FOR MOTORS SHALL BE SIZED BASED ON ACTUAL MOTOR NAMEPLATE DATA AND IN ACCORDANCE WITH NEC. CIRCUIT BREAKERS FOR MOTORS ARE SUPPLIED AT MAX VALUE PER NEC (2.5 x FLA). SIZE IN THE FIELD IN ACCORDANCE WITH MFR RECOMMENDATION.
9. ALL WORK SHALL COMPLY WITH NFPA70, NFPA72, NFPA101 & ALL FEDERAL, STATE & LOCAL REGULATIONS.
10. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN FIRE RATING FOR THE SEPARATION.
11. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
12. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUITS. SIZE IN ACCORDANCE WITH NFPA 70 ARTICLE 250.
13. COORDINATE INSTALLATION OF VOICE/DATA OUTLETS WITH OWNER, MIS OR COMMUNICATIONS CONTRACTOR.
14. LOCATE DISCONNECTS AT EQUIPMENT AS REQUIRED BY MANUFACTURER. LOCATIONS ON DRAWINGS ARE APPROXIMATE.
15. PROVIDE RISER OR PLENUM RATED CABLES ABOVE SUSPENDED CEILINGS.
16. THE CONTRACTOR SHALL SET ALL ELECTRONIC BREAKERS TO SPECIFIED TRIP SETTINGS BEFORE ENERGIZING EQUIPMENT.
17. PROVIDE EXPANSION FITTINGS FOR ALL UNDERGROUND RACEWAYS ENTERING ENCLOSURES ATTACHED TO FIXED STRUCTURES.
18. OUTDOOR RECEPTACLE COVERS SHALL COMPLY WITH NFPA 70 - ARTICLE 406.9.
19. ALL CONDUCTOR INSULATION FOR BUILDING WIRE SHALL BE THWN/THHN UNLESS NOTED OTHERWISE.
20. PROVIDE LABEL ON SERVICE EQUIPMENT INDICATING AVAILABLE SHORT CIRCUIT CURRENT OBTAIN VALUES FROM ENGINEER.
21. PROVIDE ARC FAULT LABELS PER NFPA 70-ARTICLE 110.24
22. IF BUILDING REQUIRES TWO SERVICE ENTRANCES, PROVIDE SIGNS PER NFPA 70-230.
23. OUTLETS INSTALLED IN FIRE RATED WALLS BACK TO BACK SHALL BE SEPARATED BY 24" MINIMUM OR BE PROTECTED WITH "PUTTY PADS" PER 2015 INTERNATIONAL BUILDING CODE SECTION 713.3.2.
24. PROVIDE AIR VAPOR BARRIER BOXES FOR WIRING DEVICES IN EXTERIOR WALLS AND INTERIOR SOUND CONTROL WALLS BETWEEN RESIDENT ROOMS. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE LESSCO MODEL NUMBER: VAPORBOX
25. MINIMUM WIRE SIZE ON ALL BRANCH CIRCUITS SHALL BE #12.
26. PROVIDE SIGN AT SERVICE ENTRANCE EQUIPMENT INDICATING TYPE AND LOCATION OF EMERGENCY GENERATOR PER NEC 700.7.
27. PROVIDE ELECTRICAL SUPPLY FOR FUTURE RADON FAN IN AREA OF ALL FUTURE RADON FAN LOCATIONS.

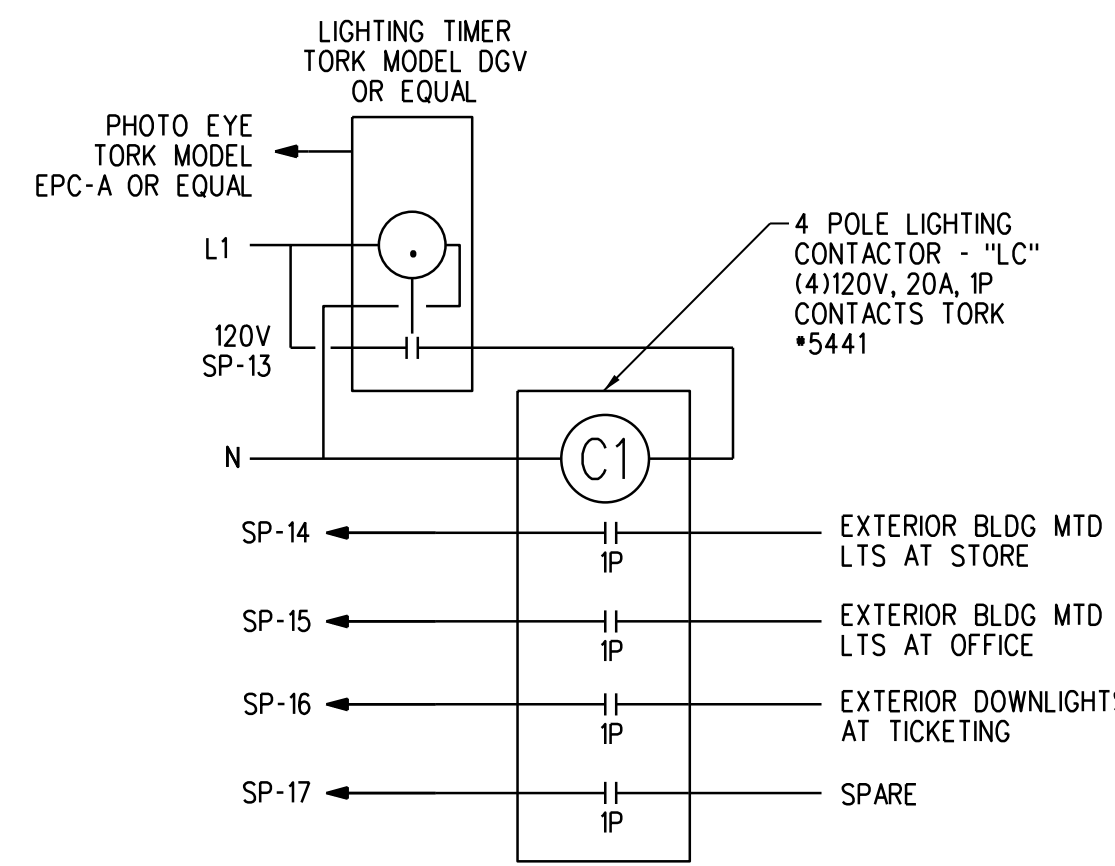
ABBREVIATIONS

Table with two columns: Abbreviation and Description. Includes entries like AMP, ALTERNATING CURRENT, ABOVE COUNTER; AF, AMERICANS WITH DISABILITIES ACT; AF, AMP FRAME; AFCI, ARC FAULT CIRCUIT INTERRUPTER; AFF, ABOVE FINISHED FLOOR; AFG, ABOVE FINISHED GRADE; AIC, AMPERES INTERRUPTING CAPACITY; AL, ALUMINUM; AT, AMP TRIP; ATC, AUTOMATIC TEMPERATURE CONTROL; ATTS, AUTOMATIC TRANSFER SWITCH; AWG, AMERICAN WIRE GAUGE; BLDG, BUILDING; C, CONDUIT; CB, CIRCUIT BREAKER; CI, CAST IRON; CKT, CIRCUIT; CL, CENTERLINE; CMP, CENTRAL MAINE POWER (ELECTRIC UTILITY); CMU, CONCRETE MASONRY UNIT; CT, CURRENT TRANSFORMER; CONC, CONCRETE; CS, CARBON STEEL; CU, COPPER; CUH, CABINET UNIT HEATER; DL, DAMP LOCATION; EC, ELECTRICAL CONTRACTOR; EF, EXHAUST FAN; ERL, EXISTING RELOCATE; ERV, EXISTING REMOVE; ETR, EXISTING TO REMAIN; EUH, ELECTRIC UNIT HEATER; EWC, ELECTRICAL WATER COOLER; FACP, FIRE ALARM CONTROL PANEL; FAPS, FIRE ALARM PULL STATION; FRP, FIBER REINFORCED PLASTIC; FVNR, FULL VOLTAGE, NON-REVERSING FURNISHED WITH UNIT; FWU, DIRECT CURRENT; DC, GROUND FAULT INTERRUPTER; GND, GROUND; HID, HIGH INTENSITY DISCHARGE; HOA, HAND-OFF-AUTOMATIC; HP, HORSEPOWER; HPS, HIGH PRESSURE SODIUM; HZ, HERTZ; ICB, INSULATED CASE CIRCUIT BREAKER; JB, JUNCTION BOX; KAIC, THOUSAND AMP INTERRUPTING CAPACITY; KCML, THOUSAND CIRCULAR MIL; KV, THOUSAND VOLTS; KVA, THOUSAND VOLT-AMPS; KW, THOUSAND WATTS (KILOWATT); LC, LIGHTING CONTACTORS; LCP, LIGHTING CONTROL PANEL; LED, LIGHT EMITTING DIODE; LP, LIGHTING PANELBOARD; LTC, LIGHTING; LSIG, LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT CIRCUIT BREAKER TRIP FUNCTIONS AS INDICATED; MCC, MOTOR CONTROL CENTER; MCCB, MOLDED CASE CIRCUIT BREAKER; MCB, MAIN CIRCUIT BREAKER; MDP, MAIN DISTRIBUTION PANEL; MH, MANHOLE; MIS, MANAGEMENT INFORMATION SYSTEM; MLO, MAIN LUGS ONLY; MTS, MANUAL TRANSFER SWITCH; NC, NORMALLY CLOSED OF NURSE CALL; NEC, NATIONAL ELECTRICAL CODE; NFPA, NATIONAL FIRE PROTECTION ASSOCIATION; NL, NIGHT LIGHT; NO, NORMALLY OPEN; NO, NUMBER; OL, OVERLOAD; P, POLE; PA, PUBLIC ADDRESS; PB, PUSH BUTTON; PF, POWER FACTOR; PH, PHASE; PNL, PANEL; TP1-2, TELE-POLE POWER - POLE AND CIRCUIT NUMBER AS INDICATED; PSNH, PUBLIC SERVICE OF NEW HAMPSHIRE (ELECTRIC UTILITY); PT, POTENTIAL TRANSFORMER; PVC, POLYVINYL CHLORIDE; RL, ELECTRICAL EQUIPMENT TO BE RELOCATED; RM, ELECTRICAL EQUIPMENT TO REMAIN; RSC, RIGID STEEL CONDUIT; RTU, ROOF TOP UNIT; RV, ELECTRICAL EQUIPMENT TO REMOVE; RVNR, REDUCED VOLTAGE, NON-REVEISING; SB, SMART BOARD; SF, SUPPLY FAN; SLD, SINGLE LINE DIAGRAM; SM, MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD DEVICE, MOUNTED AT UNIT; SS, SOLID STATE; SWBD-1, SWITCHBOARD NUMBER AS DESIGNATED; TC, TIME CLOCK; TS, TRANSFER SWITCH; T&B, TOP AND BOTTOM; TYP, TYPICAL; UG, UNDERGROUND; V, VOLT; VA, VOLT-AMPERE; VFD, VARIABLE FREQUENCY DRIVE; W, WATT; W/ WITH; WP, WEATHERPROOF; XFMR, TRANSFORMER; XP, EXPLOSION PROOF; 3PH, THREE PHASE; 4W, FOUR WIRE; 3W, THREE WIRE

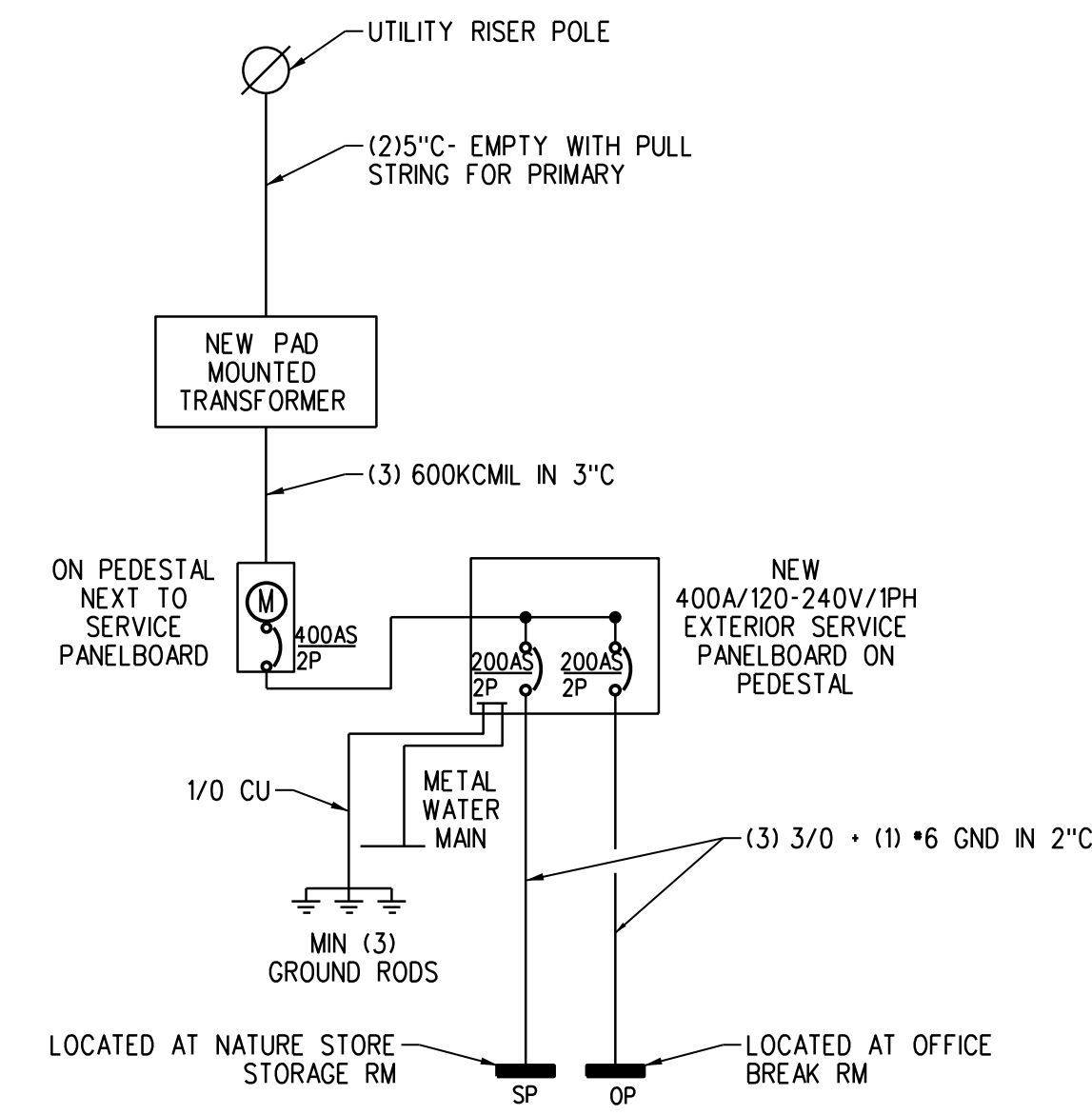
SYMBOL LEGEND

- SURFACE MOUNTED POWER PANEL, SEE PANEL SCHEDULES FOR RATING
RECESSED MOUNTED POWER PANEL, SEE PANEL SCHEDULES FOR RATING
ELECTRIC MOTOR DRIVEN EQUIPMENT, HP SHOWN
JUNCTION BOX, "H" DENOTES RANGE HOOD, "DS" DENOTES DISPOSAL UNIT, "DW" DENOTES DISHWASHER
MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD DEVICE MOUNTED AT UNIT
DISCONNECT SWITCH, SIZE AND NUMBER OF POLES AS INDICATED ON DRAWING. PROVIDED BY EC UNLESS NOTED OTHERWISE. PROVIDE FUSES WHERE RECOMMENDED BY MANUFACTURER.
COMBINATION MOTOR STARTER/ DISCONNECT SWITCH WITH AUXILIARY CONTACTS AND HAND-OFF-AUTO SWITCH AND RED RUN LIGHT. PROVIDED AND INSTALLED BY EC UNLESS NOTED OTHERWISE.
VARIABLE FREQUENCY DRIVE, PROVIDED BY MC, INSTALLED AND WIRED BY EC
DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF UNLESS NOTED OTHERWISE. "AC" - MOUNTED WITHIN 6" OF COUNTERTOP "SW" - DENOTES SWITCHED OUTLET "NL" - EQUIPPED WITH NIGHTLIGHT LEGRAND *NTL885TRIC66 OR EQUAL
QUAD RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF UNLESS NOTED OTHERWISE.
DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF.
GROUND FAULT DUPLEX RECEPTACLE, 20A, 125V, TAMPER PROOF WITH MATCHING PLATE FURNISHED W/ OUTLET. FLUSH MOUNTED 18" AFF (OR 45" AFF AT COUNTERS) UNLESS OTHERWISE NOTED.
REFRIGERATOR DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT RECEPTACLE AT 48" AFF.
DUPLEX RECEPTACLE, 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF WITH (2) USB CHARGING PORTS, COLOR BY ARCH. MOUNT 18" AFF UNLESS NOTED OTHERWISE.
FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE - 20A, 125V SPEC GRADE GROUNDING TYPE. "CL" DENOTES CEILING MOUNTED
RANGE OUTLET 50 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF
DRYER OUTLET 30 AMP, 240 VOLT, GROUNDING TYPE NEMA 14-30R 4-PRONG RECEPTACLE, FLUSH MOUNTED 18" AFF
SPECIAL PURPOSE RECEPTACLE, 220V SPEC GRADE GROUNDING TYPE, TAMPER PROOF WITH MATCHING PLATE, FLUSH MOUNTED AT 18" AFF UNLESS NOTED OTHERWISE. AMPERAGE AS NOTED ON PLAN(S)
FLUSH FLOOR MOUNTED FURNITURE POWER AND COMMUNICATIONS BASE INFEED LOCATION: COORDINATE ALL FINAL LOCATIONS WITH FURNITURE VENDOR
RACEWAY & WIRING OR MC CABLE RUN CONCEALED IN WALLS/CEILINGS
RACEWAY & WIRING RUN EXPOSED
RACEWAY & WIRING RUN CONCEALED UNDER FLOOR OR BURIED 30" BELOW FINISH GRADE
HOME RUN TO PANEL, WITH PANEL AND CIRCUIT NUMBER
BRANCH CIRCUIT WIRING SHALL CONSIST OF (1)1/2" C-2*12AWG*1*12GND UNLESS OTHERWISE NOTED. (*)ASTERISK DENOTES *10AWG FOR ALL CIRCUITS CONTAINED IN HOME RUN. (**)DOUBLE ASTERISK DENOTES (1)3/4" C-2*8AWG*1*10GND.
PROVIDE EQUIPMENT GROUNDS IN ACCORDANCE WITH NFPA 70, ARTICLE 250.
CABLE TV JUNCTION BOX "CTV"; SIZE AS REQUIRED BY CABLE UTILITY
TV OUTLET LOCATION, CABLE AND JACKS BY EC
TEMPERATURE CONTROL PANEL, PROVIDED BY MC WIRED BY EC
PUSHBUTTON FOR ELECTRICALLY OPERATED DOOR, FURN W/ DOOR OPERATOR, WIRED BY EC
DOOR PUSHBUTTON-DOORBELL
DOOR ELECTRIC STRIKE
DOOR CHIME WITH STROBE-ADA COMMUNICATIONS REQUIREMENT
LIGHTING FIXTURES, CAPITAL LETTERS DENOTE TYPE PER LIGHTING FIXTURE SCHEDULE. LOWER CASE LETTERS INDICATE SWITCH CONTROL. "ob" INDICATES INBOARD LAMPS CONTROLLED BY OUTBOARD SWITCHED "a" AND "b"; DIAGONAL OR "NL" INDICATES NIGHT LIGHT (UNSWITCHED)
SELF CONTAINED EMERGENCY LIGHT W/2 HEADS DUAL-LITE (LED) MODEL LZ25NI-03L, 25 WATTS FOR 90 MINUTES, COLOR BY ARCHITECT
EMERGENCY LIGHTING BATTERY PACK DUAL-LITE No LM130-12VI-0 SELF-DIAGNOSTIC
INTERIOR REMOTE HEAD DUAL-LITE (LED) MODEL No CPRD 1203L, COLOR BY ARCHITECT

- EXTERIOR REMOTE HEAD DUAL-LITE (LED) MODEL No OCRD 1203L COLOR BY ARCHITECT
EXIT LIGHT FIXTURE, UNSWITCHED, DUAL-LITE SESRWE OR APPROVED EQUAL EXIT/ EMERGENCY LIGHT COMBO, DUAL-LITE No EVCU-R-04-1OR APPROVED EQUAL COLOR BY ARCHITECT
SECURITY CAMERA LOCATION, COORDINATE AND PROVIDE DUPLEX RECEPTACLE, DATA AND CONDUIT PER MANUFACTURERS RECOMMENDATIONS
CEILING MOUNTED MOTION SENSOR: SENSORS AND RELAYS TO CONTROL CIRCUITS IN SPACES INDICATED. DEVICES SHALL PROVIDE FULL COVERAGE IN AREAS INSTALLED. DT INDICATES DUAL TECHNOLOGY PIR INDICATED PASSIVE INFRARED TECHNOLOGY
WALL MOUNTED SWITCH MOTION SENSOR, MOUNT AT 48" AFF UNLESS OTHERWISE NOTED
SINGLE POLE SWITCH, 120V, 20A, SPEC GRADE, GROUNDING TYPE, MOUNT 48" AFF, 3-3-WAY, 4-4-WAY, LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD
SWITCH WITH PILOT LIGHT, SWITCH SHALL BE PROVIDED W/ ENGRAVED NAMEPLATE IDENTIFYING USE
REMOTE RANGE HOOD FAN SWITCH, CONNECT TO HOOD FAN THRU HOOD JUNCTION BOX.
REMOTE RANGE HOOD LIGHT SWITCH, CONNECT TO HOOD LIGHT THRU JUNCTION BOX.
BURNER SAFETY SWITCH, PROVIDE WITH RED PLATE, MOUNTED 72" AFF
SINGLE POLE DIMMER SWITCH, 120V, 20A, SPEC GRADE, GROUNDING TYPE, MOUNT 48" AFF, 3-3-WAY, 4-4-WAY, LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD.
PHOTOCELL
LIGHTING CONTACTOR
TIMECLOCK
TELEPHONE/DATA DUAL JACK, MOUNT 18" AFF, RUN TWO CABLES BACK TO TBB. SEE SPECIFICATIONS FOR FURTHER INFORMATION
DATA JACK, RUN TWO CABLES BACK TO TBB. SEE SPECIFICATIONS FOR FURTHER INFO
FLUSH FLOOR MOUNTED TELEPHONE/DATA DUAL JACK, RUN TWO CABLES BACK TO TBB. "CL" DENOTES CEILING MOUNTED
TELEPHONE JACK, MOUNT 18" AFF UNLESS NOTED OTHERWISE, RUN ONE CABLE BACK TO TBB. TELEPHONE BACK BOARD
WI-FI ROUTER, RUN CABLE BACK TO TBB OR IT ROOM. MOUNT ABOVE CEILING, "W" DENOTES WALL MOUNTED AT 72" AFF
INTERCOM PANEL IN UNIT
INTERCOM PANEL AT RECEPTION OR MAIN ENTRY
MEDIA PANEL OR WIRING BOX FOR LOW VOLTAGE CONNECTIONS WITHIN TENANT UNIT. RUN CAT 6 CABLE FROM EACH UNIT MEDIA PANEL LOCATION BACK TO TBB
CARD READER LOCATION: PROVIDE SINGLE GANG JUNCTION BOX AND 3/4" EMPTY CONDUIT, WITH PULL STRINGS ONLY, STUBBED UP ABOVE CEILING.
FIRE ALARM CONTROL PANEL WITH DEDICATED TELEPHONE JACK
FIRE ALARM ANNUNCIATOR PANEL
FIRE EXTINGUISHER ELECTRONIC MONITOR-SHALL BE ACCOMPLISHED THROUGH USE OF AN ADDRESSABLE INTERFACE DEVICE AND SHALL PROVIDE INPUT TO THE FACP
FIRE ALARM AUDIO/VISUAL, MOUNT 6'-8" AFF. NUMBER DENOTES CANDELA RATING. "MH" DENOTES MNIHORN, "CL" DENOTES CEILING MOUNTED. NO DESIGNATION EQUALS 15cd
FIRE ALARM PULL STATION, MOUNT 48" AFF
FIRE ALARM VISUAL STROBE ONLY, FLUSH MOUNT 6'-8" AFF, NUMBER DENOTES CANDELA RATINGS. "CL" DENOTES CEILING MOUNTED
SYSTEM CONNECTED SMOKE / CARBON MONOXIDE DETECTOR, PHOTOELECTRIC TYPE
SYSTEM CONNECTED FIXED TEMPERATURE HEAT DETECTOR
SMOKE DETECTOR, PHOTOELECTRIC TYPE, SYSTEM CONNECTED.
SMOKE DETECTOR, PHOTOELECTRIC TYPE, SYSTEM CONNECTED. "ER" DENOTES ELEVATOR RECALL
SYSTEM CONNECTED SMOKE DETECTOR, PHOTOELECTRIC TYPE, WITH SOUNDER BASE
CARBON MONOXIDE DETECTOR
DUCT SMOKE DETECTOR & TEST STATION
FIRE/SMOKE DAMPER: MECHANICAL CONTRACTOR SHALL PROVIDE & INSTALL DAMPER AND DUCT SMOKE DETECTOR. ELECTRICAL CONTRACTOR TO PROVIDE WIRING, ADDRESSABLE MODULES/PROGRAMMING AND MAKE FINAL CONNECTIONS. EC AND MC SHALL COORDINATE PRIOR TO ROUGH-IN.
SPRINKLER SYSTEM FLOW SWITCH } SUPPLIED BY SPRINKLER CONTRACTOR
SPRINKLER SYSTEM TAMPER SWITCH } WIRED BY EC, VERIFY LOCATIONS WITH SPRINKLER CONTRACTOR.
MAGNETIC DOOR HOLD



LIGHTING CONTACTOR "LC" DETAIL (EXTERIOR LIGHTING) SCALE: NONE



ELECTRICAL SERVICE PEDESTAL SHALL BE LOCATED APPROXIMATELY 25'-0" FROM NATURE STORE. COORDINATE WITH CIVIL AND UTILITY

ONE-LINE DIAGRAM SCALE: NONE



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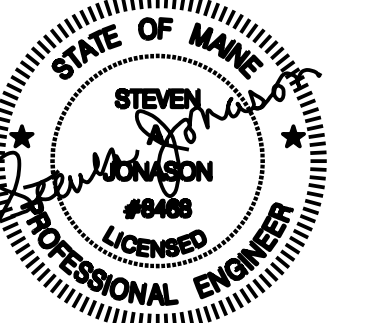


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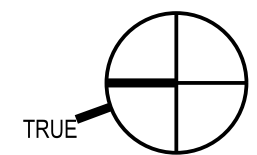
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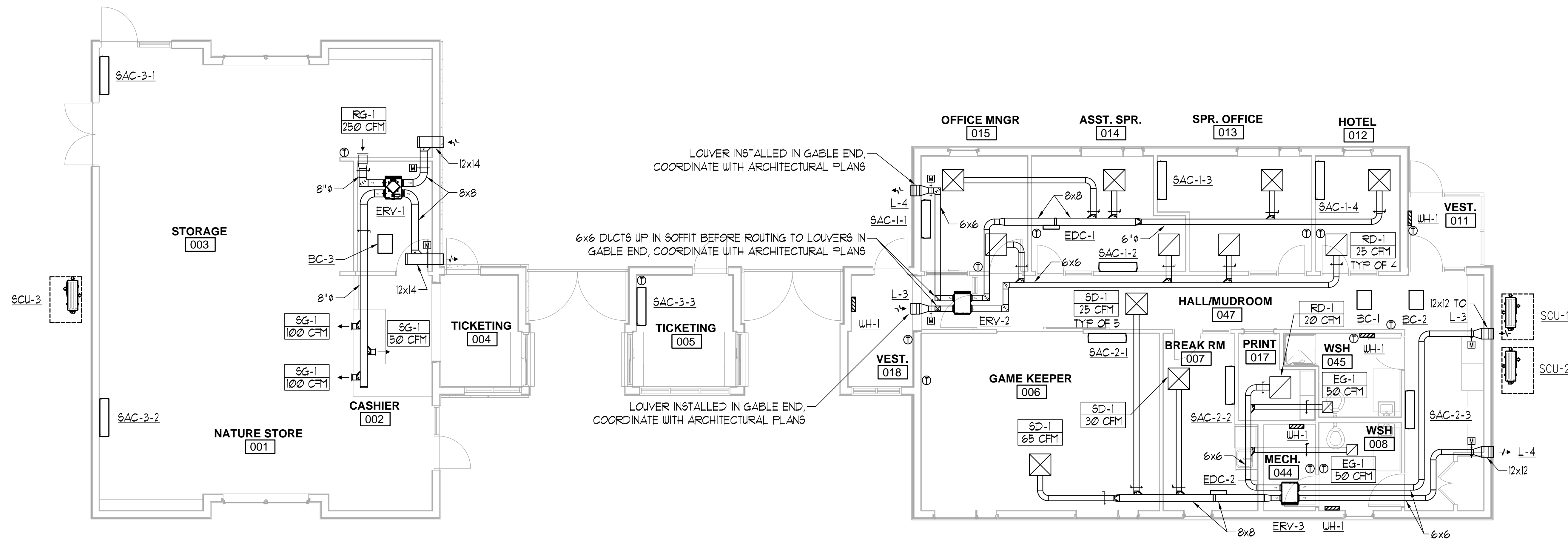
Electrical
Notes, Legend
& Details

E301



GENERAL MECHANICAL NOTES:

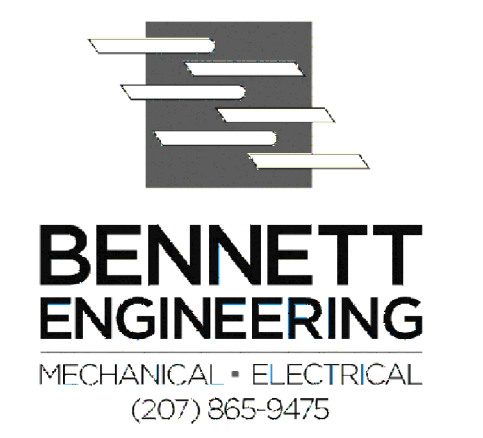
1. ALL DUCT BRANCHES SERVING INDIVIDUAL SUPPLY OR RETURN DIFFUSERS SHALL BE SIZED AT 6"Ø (UNLESS OTHERWISE NOTED).
2. EXHAUST AND INTAKE DUCTS SHALL BE PROVIDED WITH MOTOR-OPERATED DAMPERS, PRIOR TO TRANSITIONING TO LOUVER CONNECTION.
3. PROVIDE ACCESS PANELS AS NECESSARY FOR ALL EQUIPMENT SERVICE REQUIREMENTS.
4. FIELD ROUTE REFRIGERANT PIPING FROM OUTDOOR SCU UNITS TO INDOOR BRANCH BOXES AND SAC UNITS.
5. ERV-1 AND ALL ASSOCIATED COMPONENTS, ACCESSORIES AND LABOR SHALL BE ADD-ALTERNATE.



1 MECHANICAL PLAN
M101 SCALE: 3/16" = 1'-0"



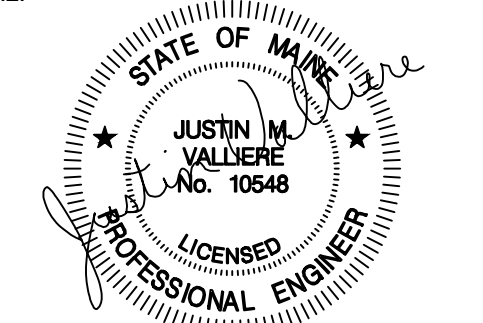
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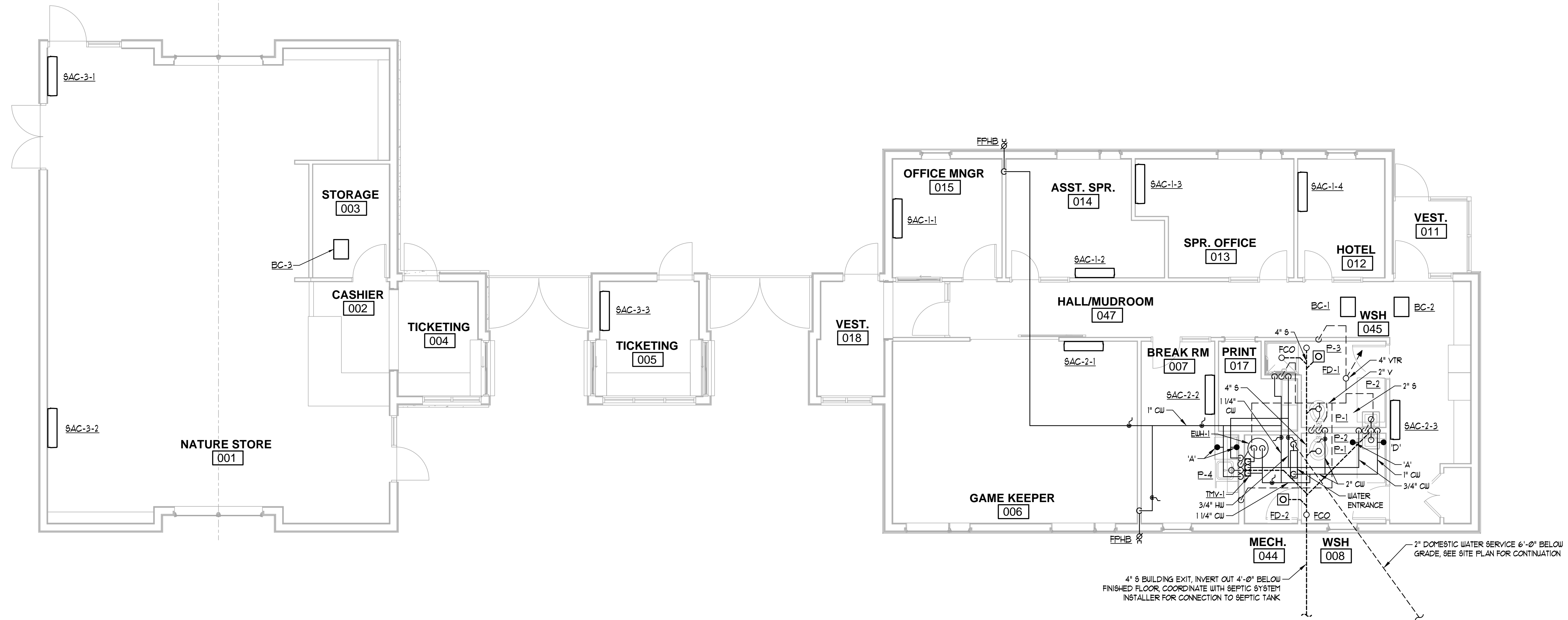
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MECHANICAL PLAN

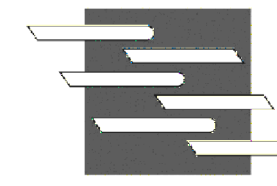
M101

GENERAL PLUMBING/SANITARY NOTES:

1. ALL CW/HW PIPING SHALL BE INSTALLED IN LOWERED CEILINGS.
2. FIELD ROUTE ALL SAC CONDENSATE PIPING TO DRAIN TO THE EXTERIOR OF THE BUILDING. COORDINATE FINAL LOCATION WITH ARCHITECT.



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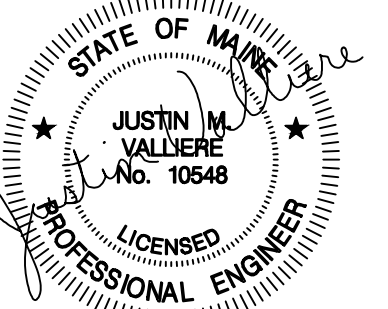


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PLUMBING PLAN

M201

PACKAGED ENERGY RECOVERY VENTILATOR PERFORMANCE SCHEDULE

TAG	AIR STREAM	DUCT CONNECTIONS		UNIT AIRFLOW				ENERGY RECOVERY - WINTER					ENERGY RECOVERY - SUMMER					DUCT COIL		ELECTRICAL REQUIREMENTS			WEIGHT (LBS)	BASIS OF DESIGN: RENEWAIRE		NOTES
		ENTERING	LEAVING	CFM	E.S.P. (INWC)	T.S.P. (NWC)	HP	BHP	E.D.B. (DEG F)	E.W.B. (DEG F)	L.D.B. (DEG F)	L.W.B. (DEG F)	EFF. %	E.D.B. (DEG F)	E.W.B. (DEG F)	L.D.B. (DEG F)	L.W.B. (DEG F)	EFF. %	TAG	VPH/HZ	MCA	MOP		SERVICE	MODEL	
ERV-1	SUPPLY	END	END	250	0.40	-	0.1	-	-10.0	-10.9	48.4	37.4	73.0 SENS / 52.6 TOT	89.0	73.0	78.8	67.8	73.0 SENS / 69.7 TOT	NIA	120/1/60	15	20.0	70	NATURE STORE	EV PREMIUM LH	1
	EXHAUST	END	END	250	0.40	-	0.1	-	70.0	51.5	-	-	75.0	62.6	-	-	-	-								
ERV-2	SUPPLY	END	END	100	0.50	-	0.1	-	-10.0	-10.9	50.3	38.8	75.4 SENS / 56.3 TOT	89.0	73.0	78.4	67.4	75.4 SENS / 72.5 TOT	EDC-1	120/1/60	15	20.0	70	OFFICE AREA	EV PREMIUM MH	1
	EXHAUST	END	END	100	0.50	-	0.1	-	70.0	51.5	-	-	75.0	62.6	-	-	-	-								
ERV-3	SUPPLY	END	END	120	0.50	-	0.1	-	-10.0	-10.9	48.2	37.3	72.8 SENS / 52.4 TOT	89.0	73.0	78.8	67.8	72.8 SENS / 69.6 TOT	EDC-2	120/1/60	15	20.0	70	OFFICE AREA	EV PREMIUM MH	1
	EXHAUST	END	END	120	0.50	-	0.1	-	70.0	51.5	-	-	75.0	62.6	-	-	-	-								

- NOTE:
- PROVIDE WITH PREMIUM STANDALONE MICROPROCESSOR CONTROL, ECM MOTORS, INSULATED LOW LEAK DAMPERS, FUSED DISCONNECT AND MERV 13 FILTERS.
 - ERV-1 AND ALL ASSOCIATED COMPONENTS, ACCESSORIES, AND LABOR SHALL BE ADD-ALTERNATE.

SPLIT - SYSTEM HEAT PUMP INDOOR UNIT PERFORMANCE SCHEDULE

TAG	CORRESPONDING OUTDOOR UNIT	CORRESPONDING BRANCH BOX		NOMINAL COOLING (MBH)**	NOMINAL HEATING (MBH)**	CORRECTED COOLING (MBH)**	CORRECTED HEATING (MBH)**	MAX AIRFLOW (CFM)	COND. DRAIN (IN)	REFRIGERANT PIPING		SOUND RATING (DB)	WEIGHT (LBS)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN: MITSUBISHI		
		LIQUID (IN)	GAS (IN)							MCA	MOCOP			VPH/HZ	SERVICE	ARRANGEMENT	MODEL		
SAC-1-1	SCU-1	BC-1	PAC-MKA50BC	12.0	12.3	11.7	6.3	454	5/8	1/4	1/2	44	29	1.00	--	208/1/60	OFFICE MANAGER 015	WALL	MSZ-FS12NA
SAC-1-2				9.0	9.6	8.7	4.8	437	5/8	1/4	1/2	42	29	1.00	--	208/1/60	ASST_SPR_014	WALL	MSZ-FS09NA
SAC-1-3				9.0	9.6	8.7	4.8	437	5/8	1/4	1/2	42	29	1.00	--	208/1/60	SPR_OFFICE 013	WALL	MSZ-FS09NA
SAC-1-4				6.0	8.7	5.8	4.4	437	5/8	1/4	1/2	42	29	1.00	--	208/1/60	HOTEL 012	WALL	MSZ-FS06NA
SAC-2-1	SCU-2	BC-2	PAC-MKA50BC	14.0	16.0	13.6	8.6	514	5/8	1/4	1/2	46	29	1.00	--	208/1/60	GAME KEEPER 006	WALL	MSZ-FS15NA
SAC-2-2				9.0	9.6	8.7	5.2	437	5/8	1/4	1/2	42	29	1.00	--	208/1/60	BREAK_RM_007	WALL	MSZ-FS09NA
SAC-2-3				12.0	12.3	11.7	6.6	454	5/8	1/4	1/2	44	29	1.00	--	208/1/60	HALL/MUDROOM_047	WALL	MSZ-FS12NA
SAC-3-1	SCU-3	BC-3	PAC-MKA50BC	14.0	16.0	13.6	8.0	514	5/8	1/4	1/2	46	29	1.00	--	208/1/60	NATURE STORE 001	WALL	MSZ-FS15NA
SAC-3-2				14.0	16.0	13.6	8.0	514	5/8	1/4	1/2	46	29	1.00	--	208/1/60		WALL	MSZ-FS15NA
SAC-3-3				6.0	8.7	5.8	4.3	437	5/8	1/4	1/2	42	29	1.00	--	208/1/60	TICKETING_005	WALL	MSZ-FS06NA

* NOMINAL HEATING AND COOLING AT AHRI CONDITIONS OF 80°F DB / 67°F WB (INDOOR) AND 95°F OUTDOOR FOR COOLING AND 70°F DB / 60°F WB (INDOOR AND 47°F OUTDOOR FOR HEATING)
 ** CORRECTED COOLING AS PART OF THE SPECIFIC COMPLETE SYSTEM INCLUDING LINE LENGTHS AND AT OUTDOOR CONDITIONS OF 95°F DB AND INDOOR CONDITIONS OF 75°F DB / 63.9°F WB
 *** CORRECTED HEATING AS PART OF THE SPECIFIC COMPLETE SYSTEM INCLUDING LINE LENGTHS AND WITH A 5% DEFROST AND AT OUTDOOR CONDITIONS OF -10.0°F DB AND INDOOR CONDITIONS OF 70°F DB

- PROVIDE ALL UNITS WITH CONDENSATE PUMPS.
- OUTDOOR UNIT POWERS THE BRANCH BOX AND INDOOR UNITS, REFER TO SCHEMATIC DETAIL.

HEAT PUMP OUTDOOR UNIT PERFORMANCE SCHEDULE

TAG	NOMINAL COOLING (MBH)*	NOMINAL HEATING (MBH)*	CORRECTED COOLING (MBH)**	CORRECTED HEATING (MBH)**	EER	REFRIGERANT	MINIMUM COOLING TEMP(°DEG F)	MINIMUM HEATING TEMP(°DEG F)	FOOTPRINT DIM (INCHES) (HxWxD)	POWERS INDOOR UNIT(S)?	ELECTRICAL REQUIREMENTS			REFRIGERANT LINES		SOUND (DBA)	OPERATING WEIGHT (LBS)	BASIS OF DESIGN: MITSUBISHI		
											MCA	MOCOP	VPH/HZ	LIQUID (IN)	GAS (IN)			SERVICE	MODEL	NOTES
SCU-1	36.0	42.0	35.8	20.4	15.0	R-410A	14.0	-13.0	53 X 42 X 13	YES	35.0	50.0	208/1/60	1/4	1/2	53	271	OFFICES	MXZ-SM36NAM	ALL
SCU-2	36.0	42.0	34.1	20.4	15.0	R-410A	14.0	-13.0	53 X 42 X 13	YES	35.0	50.0	208/1/60	1/4	1/2	53	271	COMMON AREAS	MXZ-SM36NAM	ALL
SCU-3	36.0	42.0	33.1	20.4	15.0	R-410A	14.0	-13.0	53 X 42 X 13	YES	35.0	50.0	208/1/60	1/4	1/2	53	271	NATURE STORE	MXZ-SM36NAM	ALL

* NOMINAL HEATING AND COOLING AT AHRI CONDITIONS OF 80°F DB / 67°F WB (INDOOR) AND 95°F OUTDOOR FOR COOLING AND 70°F DB / 60°F WB (INDOOR AND 47°F OUTDOOR FOR HEATING)
 ** CORRECTED COOLING AS PART OF THE SPECIFIC COMPLETE SYSTEM INCLUDING LINE LENGTHS AND AT OUTDOOR CONDITIONS OF 89°F DB AND INDOOR CONDITIONS OF 75°F DB / 63.9°F WB
 *** CORRECTED HEATING AS PART OF THE SPECIFIC COMPLETE SYSTEM INCLUDING LINE LENGTHS AND WITH A 5% DEFROST AND AT OUTDOOR CONDITIONS OF -10.0°F DB AND INDOOR CONDITIONS OF 70°F DB

- PROVIDE SNOW/HAIL GUARDS.

ELECTRIC DUCT HEATING COIL PERFORMANCE SCHEDULE

TAG	HTG. AIR FLOW (CFM)	MAX A.P.D. (IN.W.G.)	DIMENSION (WxH, INCHES)	VELOCITY (FPM)	E.A.T. (DEG F)	L.A.T. (DEG F)	ELECTRICAL REQUIREMENTS				BASIS OF DESIGN: RENEWAIRE	
							KW	VPH/HZ	MCA	MOCOP	SERVICE	MODEL
EDC-1	100	0.05	8" x 8"	225	50.3	72.0	1.0	120/1/60	10.4	15	ERV-2 HEAT	EK
EDC-2	120	0.05	8" x 8"	270	48.2	72.0	1.0	120/1/60	10.4	15	ERV-3 HEAT	EK

PROVIDE WITH SCR CONTROLLER w/THERMOSTAT AND SENSOR, AIRFLOW PROVING SWITCH, FAN INTERLOCK AND DISCONNECT.

ELECTRIC WALL HEATER SCHEDULE

TAG	LOCATION	MOUNTING	MAX WATTS	MAX BTUH	CFM	ELECTRICAL POWER			WEIGHT LB	BASIS OF DESIGN: MESTEK QMARK	
						SOURCE	AMPS	MOCOP		MODEL	REMARKS
WH-1	MULTIPLE	SURFACE	3,000	10,236	100	208/1/60	14.4	-	26	AWH4404F	NOTES: ALL

- NOTES:
- WALL HEATERS SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.

REGISTERS, GRILLES AND DIFFUSERS SCHEDULE

TAG	DESCRIPTION	MAX CFM	MODULE SIZE W X H	NECK SIZE (INCHES)	MAX STATIC PRESSURE (IN. WC)	SOUND (NC)	BASIS OF DESIGN: PRICE INDUSTRIES	
							MODEL	NOTES
SD-1	SUPPLY DIFFUSER	65	24 X 24	6	0.01	15	SPD	ALL
SG-1	SUPPLY GRILLE	100	6 X 6	-	0.02	15	510	ALL
RD-1	RETURN DIFFUSER	25	24 X 24	6	0.01	15	PDDR	ALL
RG-1	RETURN GRILLE	250	24 X 24	-	0.02	20	530	ALL
EG-1	EXHAUST GRILLE	50	10 X 10	-	0.01	15	530	ALL

- NOTES:
- NOMINAL MODULE SIZE BASED ON GRILLE NECK SIZE.
 - LAY-IN OR SURFACE MOUNT IN ACCORDANCE WITH ARCHITECTS REFLECTIVE CEILING PLAN.
 - PRODUCT SELECTION SHALL BE BASED ON NOISE CRITERIA LESS THAN NC-30.

PLUMBING FIXTURE CONNECTION SCHEDULE

TAG	DESCRIPTION	SAN	VENT	CW	HW
P-1	ADA WATER CLOSET FV	3"	2"	1"	-
P-2	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"
P-3A	36" ADA TUB SHOWER	2"	2"	1/2"	1/2"
P-4	ADA BREAK ROOM SINK	2"	2"	1/2"	1/2"
FPHB	FREEZE PROOF HOSE BIB	-	-	3/4"	-
FD-1	EMERGENCY FLOOR DRAIN	2"	2"	-	-
FD-2	FLOOR DRAIN	3"	2"	-	-

- NOTES:
- MINIMUM SIZE OF BELOW SLAB SANITARY & VENT PIPING SHALL BE 2".
 - PROVIDE TRAP PRIMERS ON FLOOR DRAINS. CONNECT TO NEAREST FIXTURE.

PUMP PERFORMANCE SCHEDULE

TAG	GPM	DISCHARGE HEAD FT	RPM	ELECTRICAL				ARRANGEMENT	BASIS OF DESIGN: TACO	
				HP	POWER	MCA	MOCOP		MODEL	REMARKS
CP-1	0.5	10.0	3250	1/25	115/1/60	0.79	--	CARTRIDGE	008-F6	NOTES: ALL

- NOTES:
- PUMP SHALL BE STAINLESS STEEL CONSTRUCTION.

BFP PERFORMANCE SCHEDULE

TAG	SIZE	FLOW RATE (GPM)	W.P.D. (PSI)	MAX. WORK'G TEMPERATURE (DEGREES F)	MAX. WORK'G PRESSURE (PSI)	TESTABLE (Y) OR (N)	BASIS OF DESIGN: WATTS		
							BODY STYLE	SERVICE	MODEL
BFP-1	1"	16.0	14.0	145	175	Y	RPZ	WATER ENTRANCE	LF909

THERMOSTATIC MIXING VALVE PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	INLET CONNECTION (INCHES)	OUTLET CONNECTION (INCHES)	W.P.D. (PSIG)	SETPOINT (DEG F)	PROVIDE SPARE CARTRIDGE (Y) OR (N)	BASIS OF DESIGN: SYMMONS	
							ARRANGMENT	MODEL
TMV-1	8.0	1/2"	1/2"	10.0	120	Y	WALL	7-200

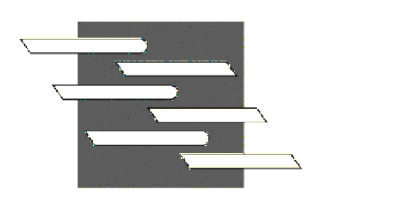
ELECTRIC WATER HEATER SCHEDULE

TAG	SERVICE	CAPACITY GALS	RECOVERY GPH @ 100F RISE	TEMPERATURE SETPOINT (F)	ELECTRICAL				BASIS OF DESIGN: A.O. SMITH	
					ELEMENTS	TOTAL KW	POWER	FLA	MODEL	REMARKS
EWH-1	DOMESTIC HW	52	41	140	2	5.0 / 5.0	208/1/60	-	DEN-40	NOTES: ALL

- NOTES:
- PERFORMANCE IS BASED ON NON-SIMULTANEOUS OPERATION.
 - PROVIDE MANUFACTURERS STANDARD WARRANTY MINIMUM FIVE YEARS.



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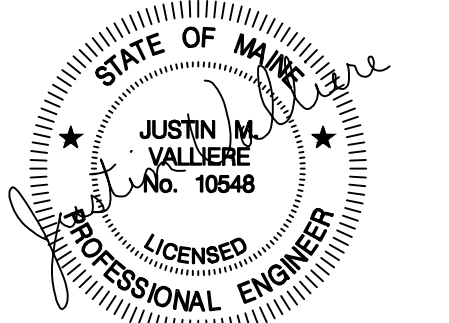


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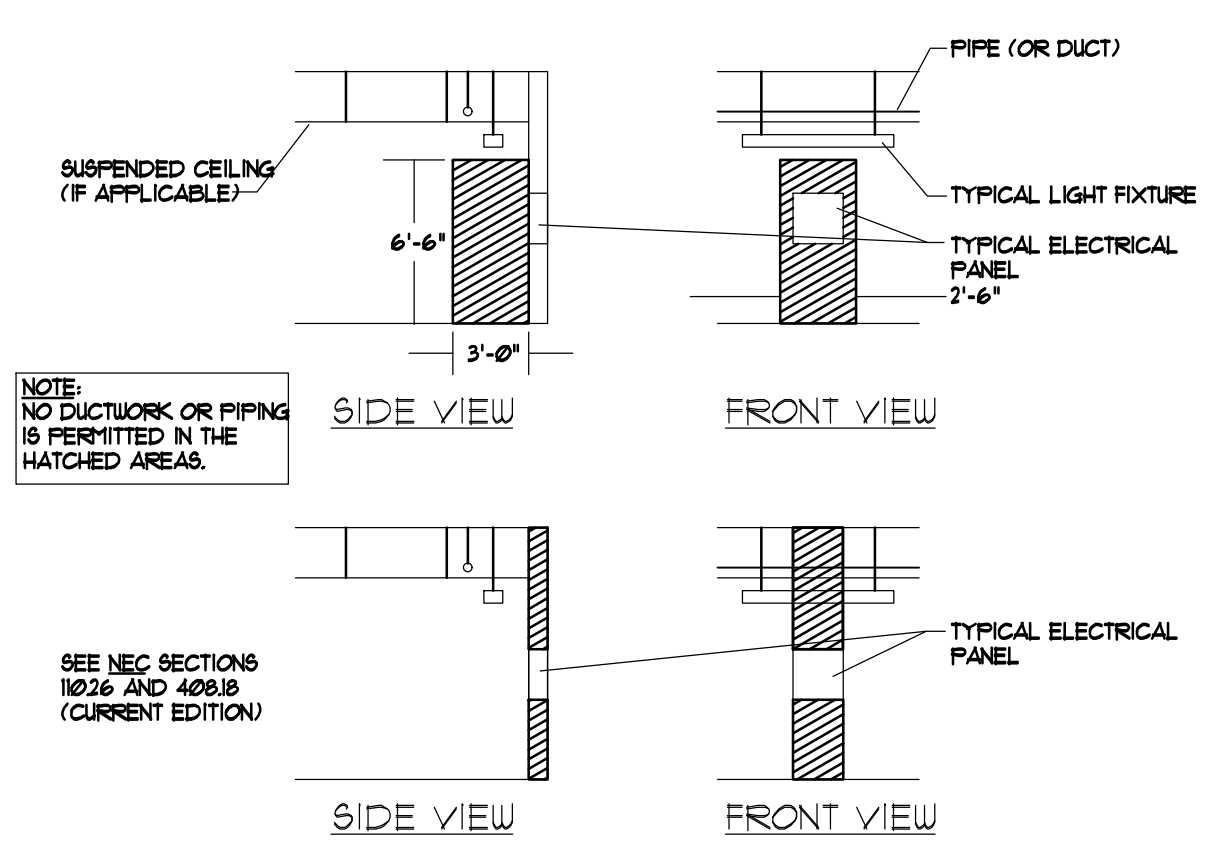
DATE OF ISSUE: 26 APRIL, 2024

PROJECT NUMBER: 2000.01

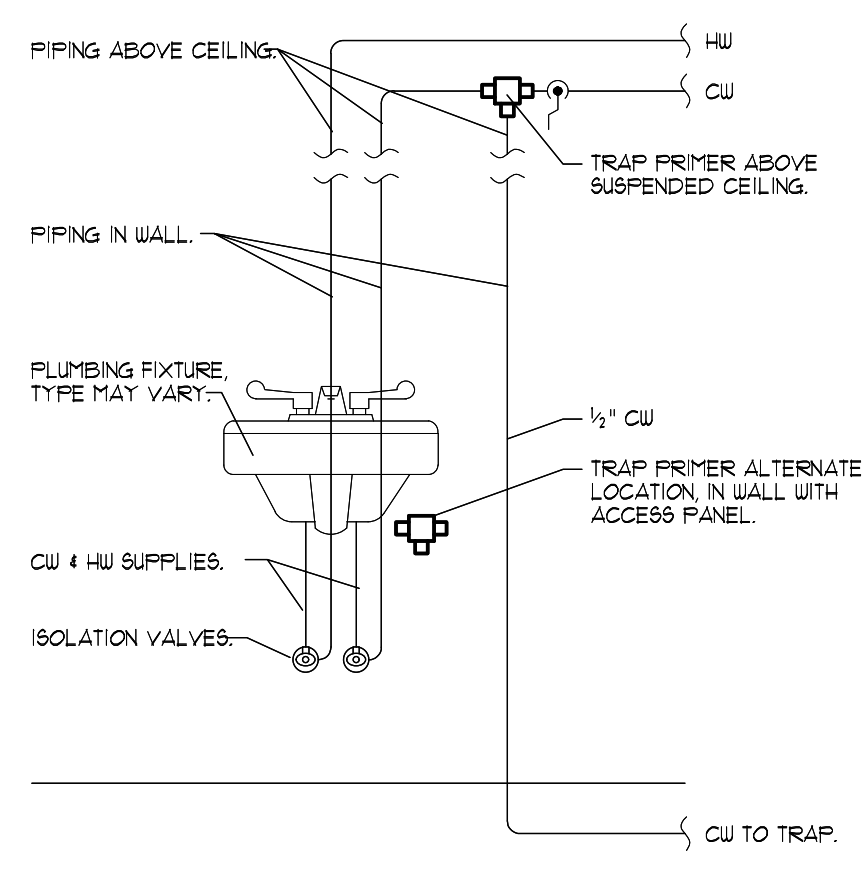
STATUS: BID SET

SCHEDULES

M301

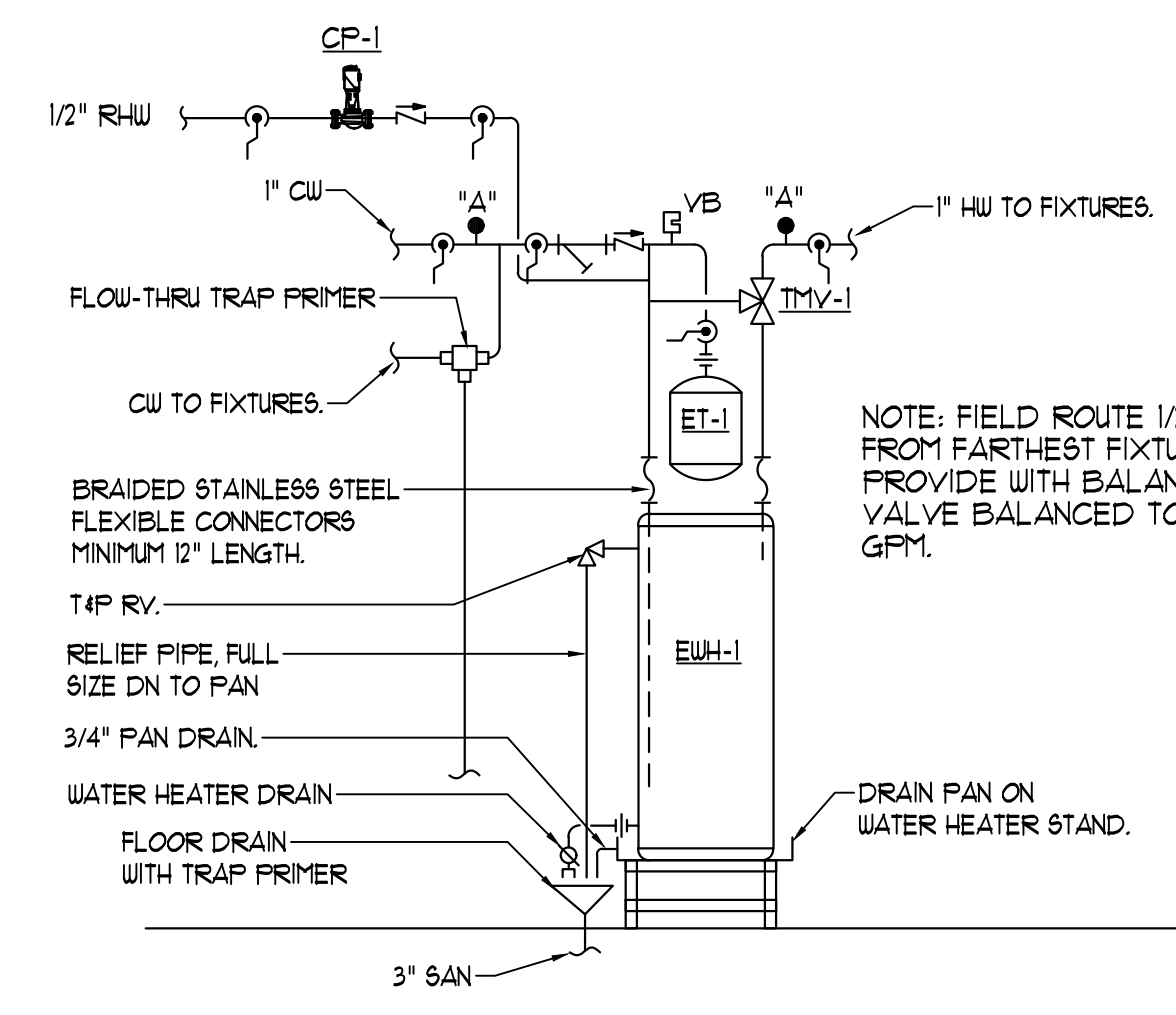


CLEARANCES AT ELECTRICAL PANELS
NTS

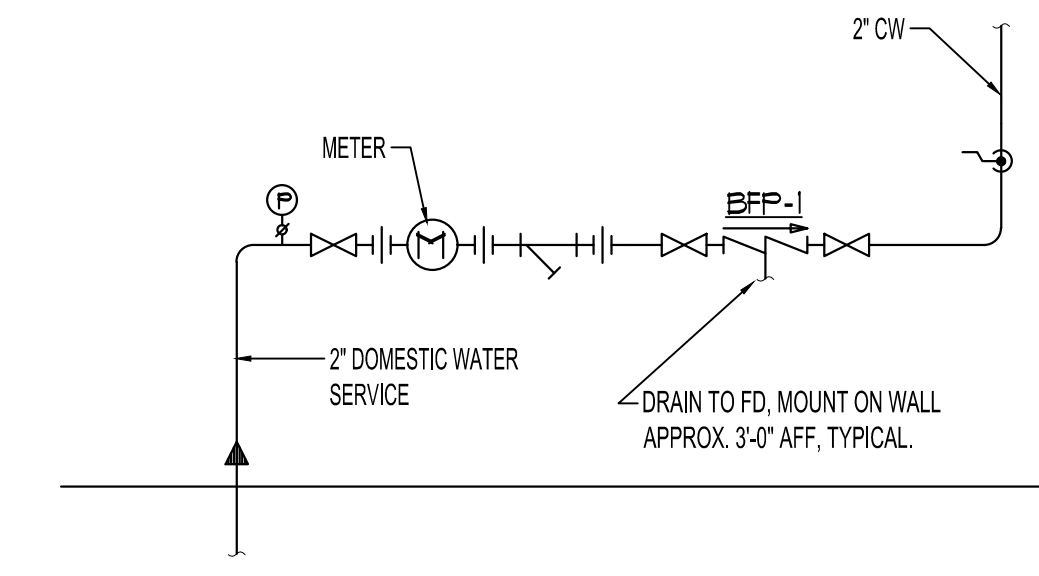


TRAP PRIMER CONNECTION DETAIL
NTS

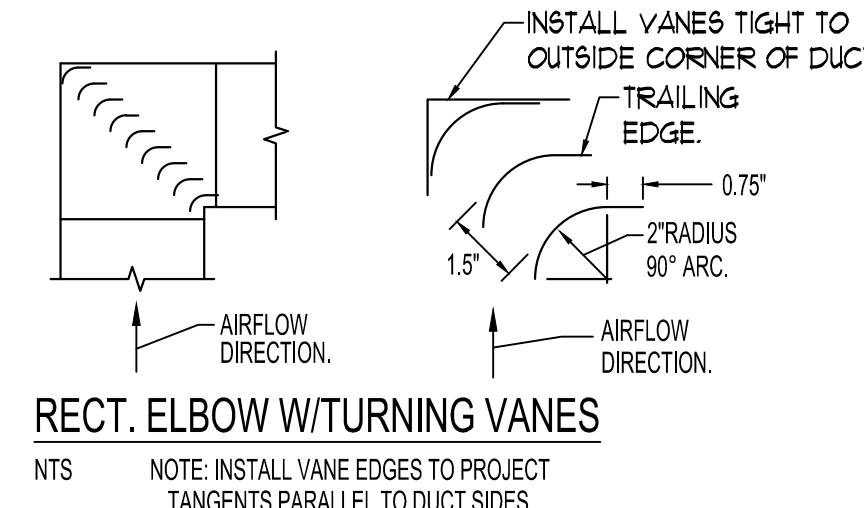
NOTE - ALL FLOOR DRAINS SHALL HAVE TRAP PRIMERS. CONNECT TO NEAREST FIXTURE.



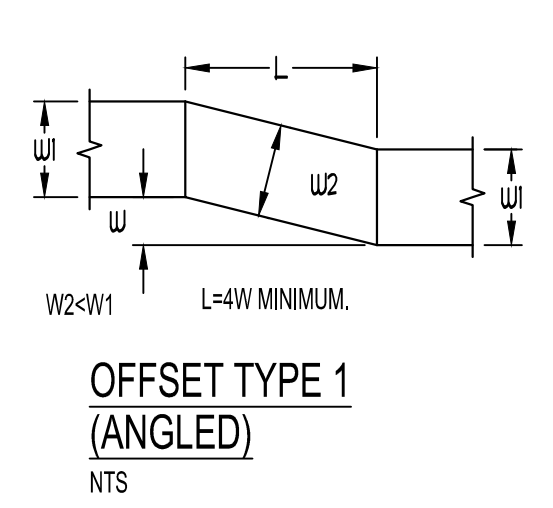
UNIT WATER HEATER PIPING SYSTEM SCHEMATIC
NTS



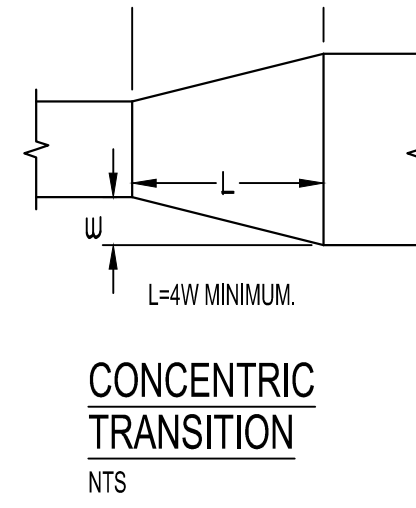
WATER ENTRANCE SCHEMATIC DETAIL
NTS



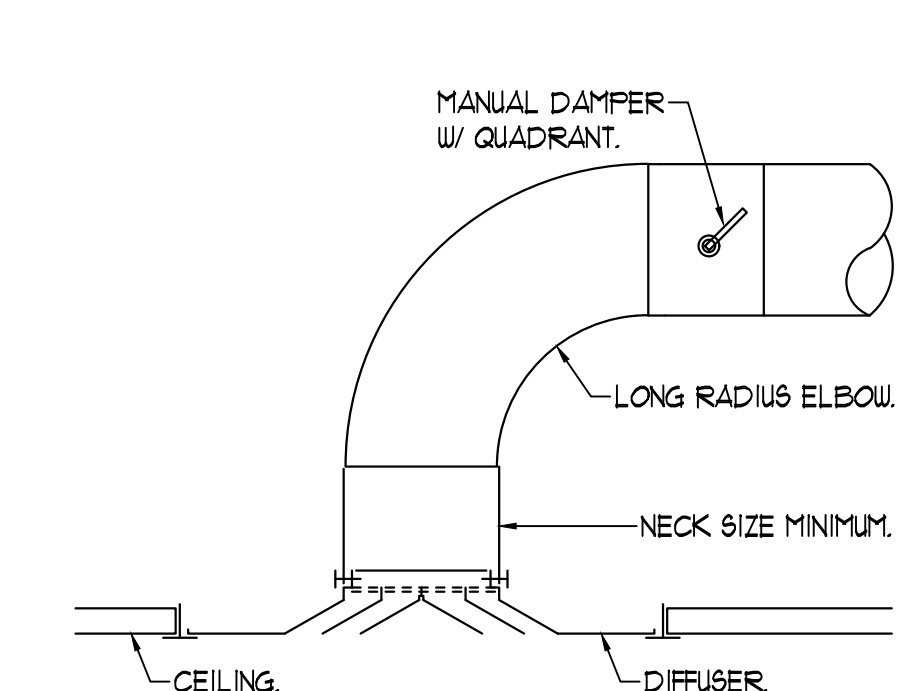
RECT. ELBOW W/TURNING VANES
NTS



OFFSET TYPE 1
(ANGLED)
NTS

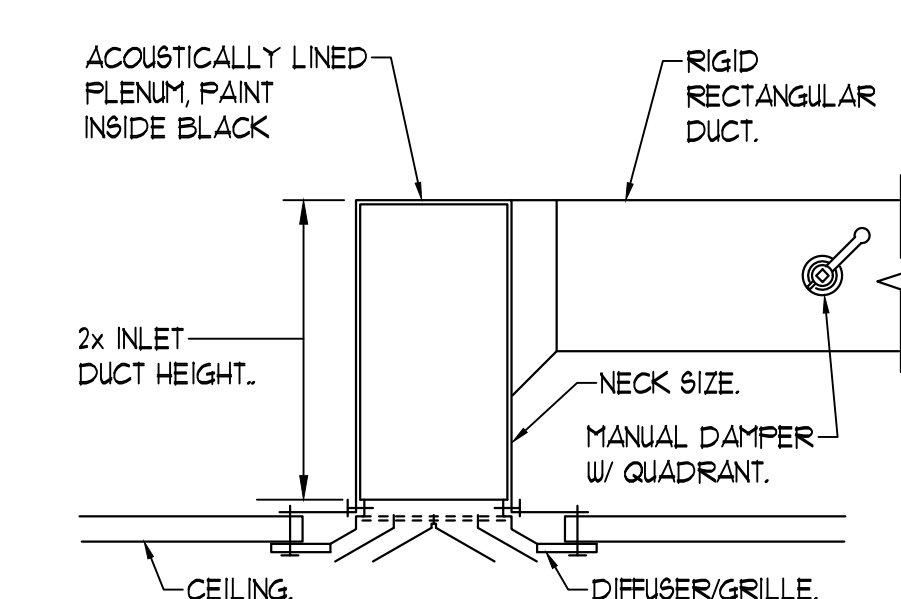


CONCENTRIC TRANSITION
NTS

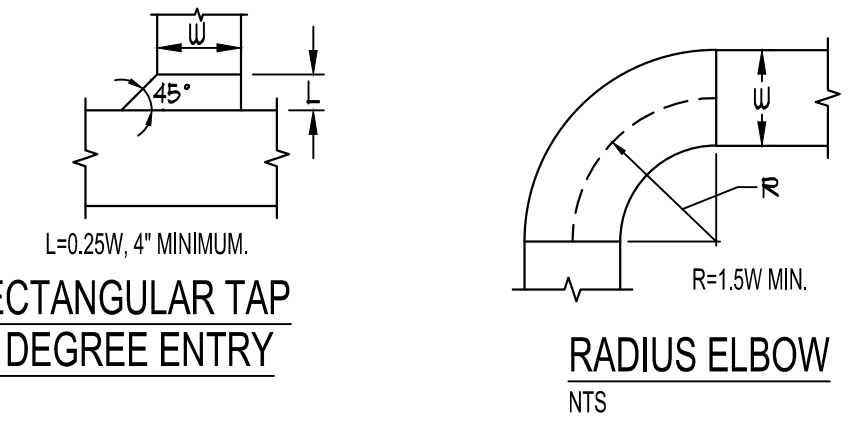


DIFFUSER/GRILL CONNECTION DETAIL
NTS

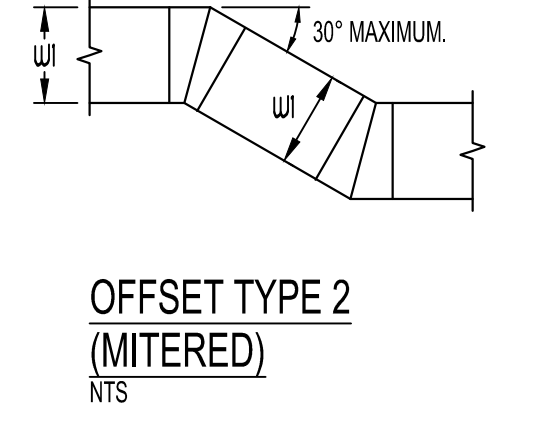
NOTE: DETAIL TYPICAL FOR CEILING GRILLES, REGISTERS AND LINEAR DIFFUSERS. FOR SURFACE-MOUNT DEVICES, SUPPORT PLENUM FROM CEILING GRID WITH STEEL ANGLES FASTENED TO PLENUM.



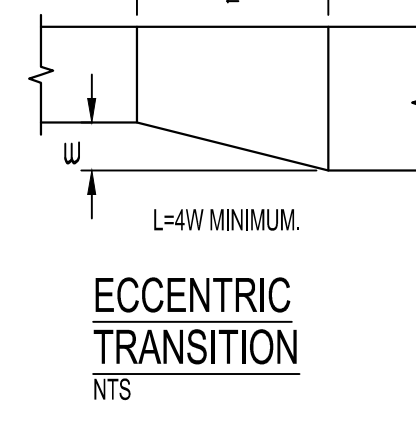
NOTE: DETAIL TYPICAL FOR CEILING GRILLES, REGISTERS AND LINEAR DIFFUSERS. FOR SURFACE-MOUNT DEVICES, SUPPORT PLENUM FROM CEILING GRID WITH STEEL ANGLES FASTENED TO PLENUM.



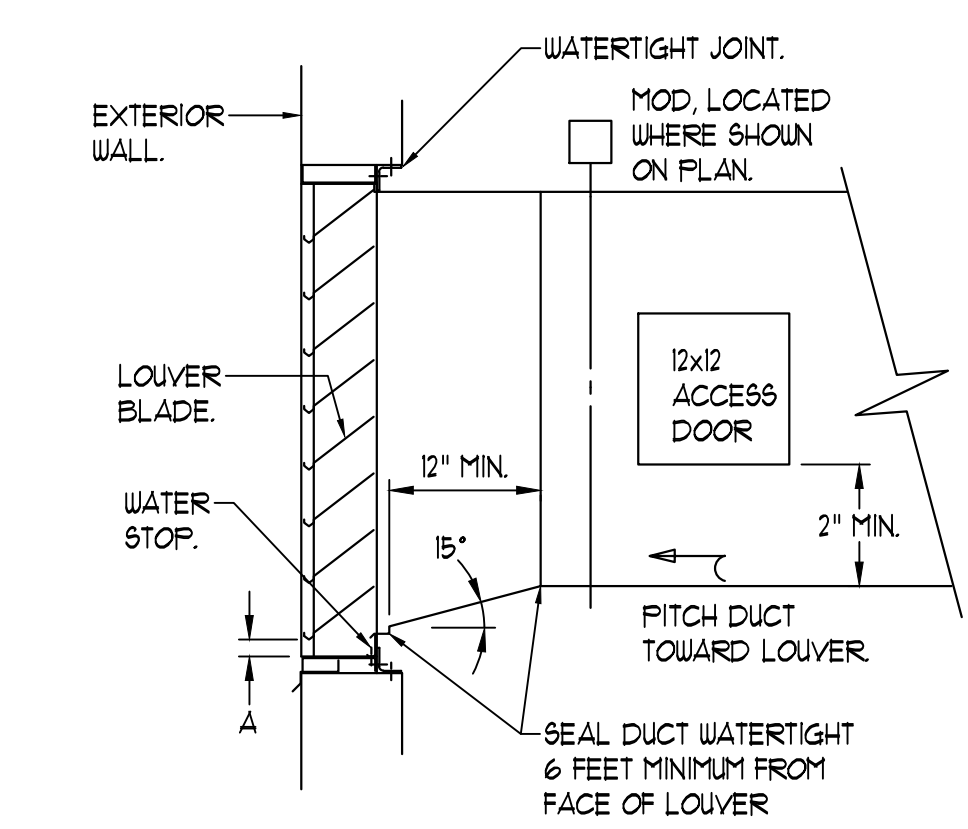
RECTANGULAR TAP
45 DEGREE ENTRY
NTS



OFFSET TYPE 2
(MITERED)
NTS



ECCENTRIC TRANSITION
NTS



LOUVER DETAIL WITH HORIZONTAL DUCT
NTS

LOW PRESSURE DUCT CONSTRUCTION DETAILS - TYPICAL
NTS

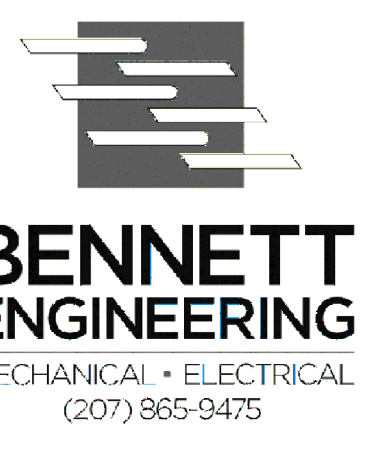
MECHANICAL AND PLUMBING SYMBOLS AND ABBREVIATIONS LEGEND

NOTE - USE SYMBOLS AND ABBREVIATIONS AS APPLICABLE FOR THIS MECHANICAL DRAWING SET. SOME SYMBOLS AND ABBREVIATIONS IN THIS LEGEND MAY NOT APPLY.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	
(CA)	COMPRESSED AIR PIPING (CA)	(BFP)	BACKFLOW PREVENTER (BFP)	(AIV)	PRESSURE GAGE WITH GAGE COCK	AHV	AUTOMATIC AIR VENT	EDB	ENTERING DRY BULB	I+B+R	INSTITUTE OF BOILER AND RADIATOR MANUFACTURERS	RLA	RUNNING LOAD AMP	
(C)	CONDENSATE DRAIN PIPING (C)	(CV)	CHECK VALVE	(AD)	THERMOMETER IN WELL	AD	ACCESS DOOR	EDC	ELECTRIC DUCT COIL TAG	RPM	REVOLUTIONS PER MINUTE	RFM	REDUCED PRESSURE ZONE	
(CTR)	COOLING TOWER RETURN PIPING (CTR)	(AV)	BALANCING VALVE (ADJUSTABLE)	(AF)	WATER FLOW SWITCH	AF	ABOVE FINISHED FLOOR	EER	ENERGY EFFICIENCY RATIO	IN	INCHES	RPZ	ROOM TEMPERATURE SENSOR	
(CTS)	COOLING TOWER SUPPLY PIPING (CTS)	(FV)	AUTOMATIC FLOW CONTROL VALVE	(AS)	PRESSURE SWITCH OR SENSOR	AS-H*	AIR HANDLING UNIT TAG	EF	EXHAUST FAN TAG	L*	LOUVER TAG	RTU	ROOM TEMPERATURE SENSORS	
(CWR)	CHILLED WATER RETURN PIPING (CWR)	(RV)	RELIEF VALVE (RV)	(AM)	EMERSION TEMPERATURE SENSOR	AMS	AIRFLOW MONITORING STATION	EFF	EFFICIENCY	LAT	LEAVING AIR TEMPERATURE	RV	RELIEF VALVE	
(CWS)	CHILLED WATER SUPPLY PIPING (CWS)	(BV)	DUCT MOUNTED SMOKE DETECTOR	(AMP)	ROOM TEMPERATURE SENSOR	BVP	DUCT MOUNTED SMOKE DETECTOR	ESP	EXTERNAL STATIC PRESSURE	LB	POUNDS	RWL	RAINWATER LEADER	
(FOR)	FUEL OIL RETURN PIPING (FOR)	(BV)	BALL VALVE	(AP)	ACCESS PANEL	(B)	BALL VALVE	ET	EXPANSION TANK TAG	LU/S/R	LOOP WATER SUPPLY/RETURN	SA	SUPPLY AIR	
(FOS)	FUEL OIL SUPPLY PIPING (FOS)	(B3/4)	3/4" BALL VALVE WITH 3/4" HOSE END	(APD)	AIR PRESSURE DROP	(S)	3/4" BALL VALVE WITH 3/4" HOSE END	EWB	ENTERING WET BULB	LRA	LOCKED ROTOR AMP	SAN	SANITARY (DRAIN & WASTE)	
(G)	GAS PIPING (G)	(G)	GATE VALVE	(AS)	AIR SEPARATOR TAG	(T)	GATE VALVE	EWH*	ELECTRIC WATER HEATER TAG	LWCO	LOW WATER CUTOUT	SD	SMOKE DAMPER	
(HWR)	HOT WATER RETURN PIPING (HWR)	(PRV)	PRESSURE REDUCING VALVE	(ATC)	AUTOMATIC TEMPERATURE CONTROL	(T)	PRESSURE REDUCING VALVE	EWT	ENTERING WATER TEMPERATURE	LWT	LEAVING WATER TEMPERATURE	SEER	SEASONAL ENERGY EFFICIENCY RATIO	
(HWS)	HOT WATER SUPPLY PIPING (HWS)	(FV)	FUSIBLE VALVE	(BD)	BYPASS DAMPER TAG	(V)	FUSIBLE VALVE	EXG	EXISTING	MAX	MAXIMUM	SF	SUPPLY FAN	
(RL)	REFRIGERANT LIQUID PIPING (RL)	(SBBV)	STRAINER W/BLOWDOWN BALL VALVE	(G)	MANUAL AIR VENT	(T)	STRAINER W/BLOWDOWN BALL VALVE	EXH	EXHAUST	MBH	THOUSANDS OF BTU PER HOUR	SP	STATIC PRESSURE	
(RG)	REFRIGERANT GAS PIPING (RG)	(2W)	2-WAY CONTROL VALVE	(250)	MANUAL AIR VENT	(T)	2-WAY CONTROL VALVE	FC	FLEXIBLE CONNECTION	MCA	MINIMUM CIRCUIT AMPACITY	ΔT	TEMPERATURE DIFFERENTIAL	
(SAN)	SANITARY PIPING BELOW FLOOR (SAN)	(3W)	3-WAY CONTROL VALVE	(250)	MANUAL AIR VENT	(T)	3-WAY CONTROL VALVE	FCO	FLOOR CLEANOUT	MIN	MINIMUM	TEMP.	TEMPERATURE	
(SAN)	SANITARY PIPING ABOVE FLOOR (SAN)	(4W)	4-WAY CONTROL VALVE (TOP VIEW)	(250)	MANUAL AIR VENT	(T)	4-WAY CONTROL VALVE (TOP VIEW)	FD	FIRE DAMPER	NC	NOISE CRITERION	TCP	TEMPERATURE CONTROL PANEL	
(SV)	SANITARY VENT PIPING	(4W)	4-WAY CONTROL VALVE (TOP VIEW)	(250)	MANUAL AIR VENT	(T)	SANITARY VENT PIPING	FD	FLOOR DRAIN TAG	NOT IN CONTRACT	NIC	NOT IN CONTRACT	TMV	THERMOSTATIC MIXING VALVE TAG
(RUL)	RAINWATER LEADER ABOVE SLAB (RUL)	(2W)	2 BUTTERFLY VALVES W/SINGLE ACTUATOR	(250)	MANUAL AIR VENT	(T)	RAINWATER LEADER ABOVE SLAB (RUL)	FLA	FULL LOAD AMPS	NTS	NOT TO SCALE	TSP	TOTAL STATIC PRESSURE	
(CW)	COLD WATER PIPING (CW)	(2W)	BUTTERFLY VALVE W/ACTUATOR	(250)	MANUAL AIR VENT	(T)	COLD WATER PIPING (CW)	FP	FROST PROOF HOSE BIBB	OA	OUTSIDE AIR	TYP	TYPICAL	
(HW)	HOT WATER PIPING (HW)	(3W)	TRIPLE-DUTY VALVE	(250)	MANUAL AIR VENT	(T)	HOT WATER PIPING (HW)	FFM	FEET PER MINUTE	OBD	OPPOSED BLADE DAMPER	UH	UNIT HEATER TAG	
(RHW)	RECIRCULATED HOT WATER PIPING (RHW)	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	RECIRCULATED HOT WATER PIPING (RHW)	FSD	COMBINATION FIRE & SMOKE DAMPER	OD	OUTSIDE DIAMETER	VB	VACUUM BREAKER	
(CAP)	PIPE CAP	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	PIPE CAP	FB	FIRE DAMPER	OED	OPEN ENDED DUCT	VFD	VARIABLE FREQUENCY DRIVE	
(DIR)	DIRECTION OF FLUID FLOW	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	DIRECTION OF FLUID FLOW	FT	FEET	OPD	OVERCURRENT PROTECTIVE DEVICE	VTR	VENT THRU ROOF	
(EB)	ELBOW UP	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	ELBOW UP	GA	GAGE	P*	POLYMER	V/PH/Hz	VOLTS/PHASES/HERTZ	
(EB)	ELBOW DOWN	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	ELBOW DOWN	GAL	GALLONS	PSIA	POUNDS PER SQUARE INCH ABSOLUTE	WB	WET BULB	
(TEE)	PIPE TEE UP	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	PIPE TEE UP	GPH	GALLONS PER HOUR	PSIG	POUNDS PER SQUARE INCH GAGE	WCO	WALL CLEANOUT	
(TEE)	PIPE TEE DOWN	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	PIPE TEE DOWN	GPM	GALLONS PER MINUTE	PVC	POLYVINYL CHLORIDE (PIPE)	WG	WATER GAGE	
(RED)	PIPE REDUCER	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	PIPE REDUCER	HC	HEATING COIL TAG	RA	RETURN AIR	WPD	WATER PRESSURE DROP	
(GUIDE)	PIPE WITH GUIDE	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	PIPE WITH GUIDE	H*	HORSEPOWER	RD	ROOF DRAIN	WTD	WATER TEMPERATURE DROP	
(ANCHOR)	PIPE WITH ANCHOR	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	PIPE WITH ANCHOR	HRV	HEAT RECOVERY VENTILATOR TAG	RHW	RECIRCULATED HOT WATER	W	WITH	
(BTFV)	BUTTERFLY VALVE	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	BUTTERFLY VALVE	HW	HOT WATER					
(4Y)	OS & Y GATE VALVE	(UN)	UNION	(250)	MANUAL AIR VENT	(T)	OS & Y GATE VALVE	HWS/R	HOT WATER SUPPLY AND RETURN					



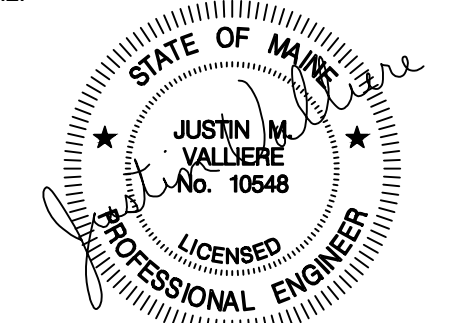
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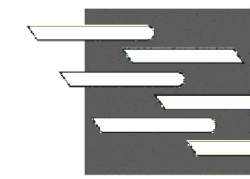
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PROJECT NUMBER: 2000.01

STATUS: BID SET

LEGEND AND DETAILS

M401

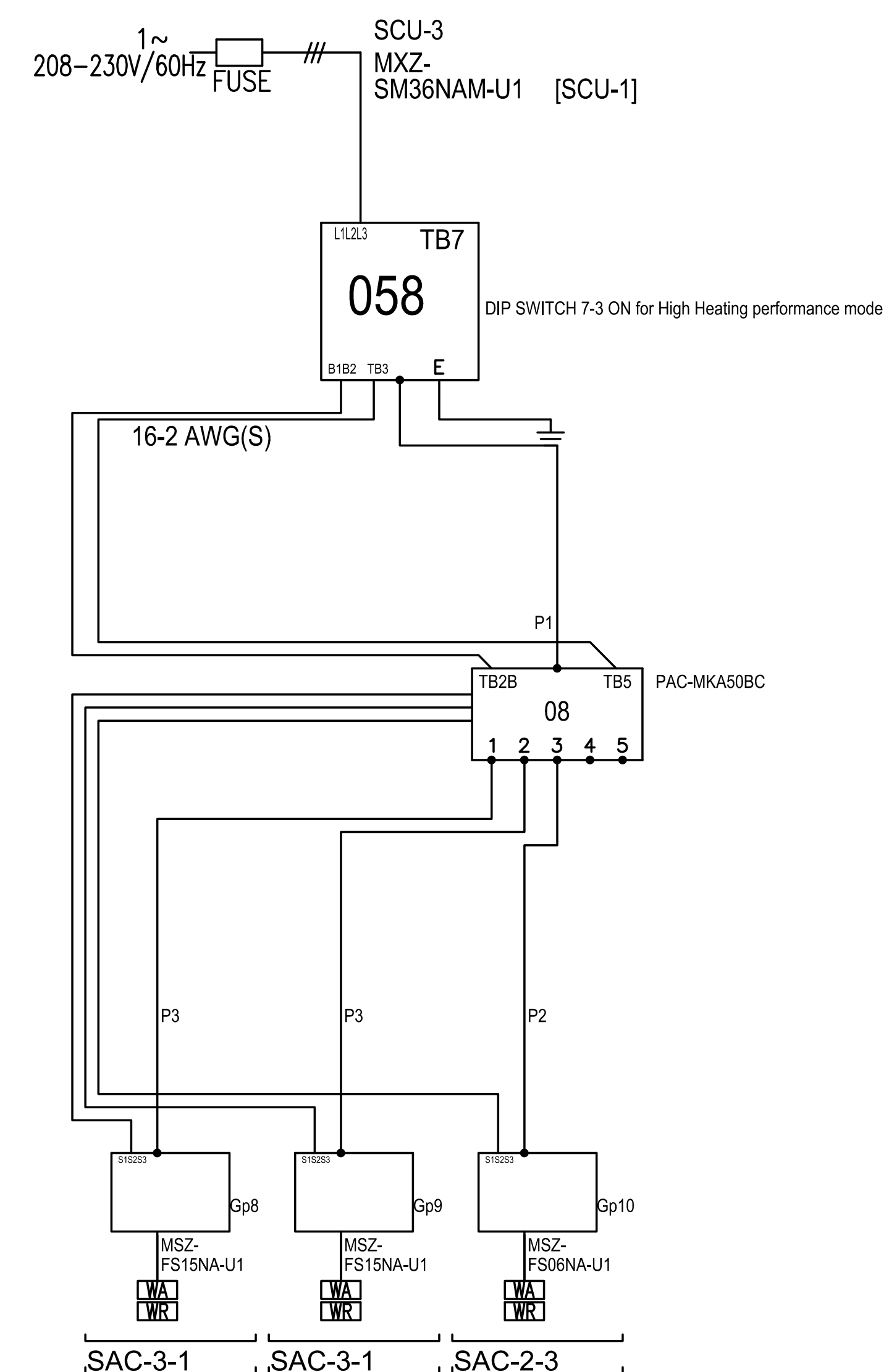
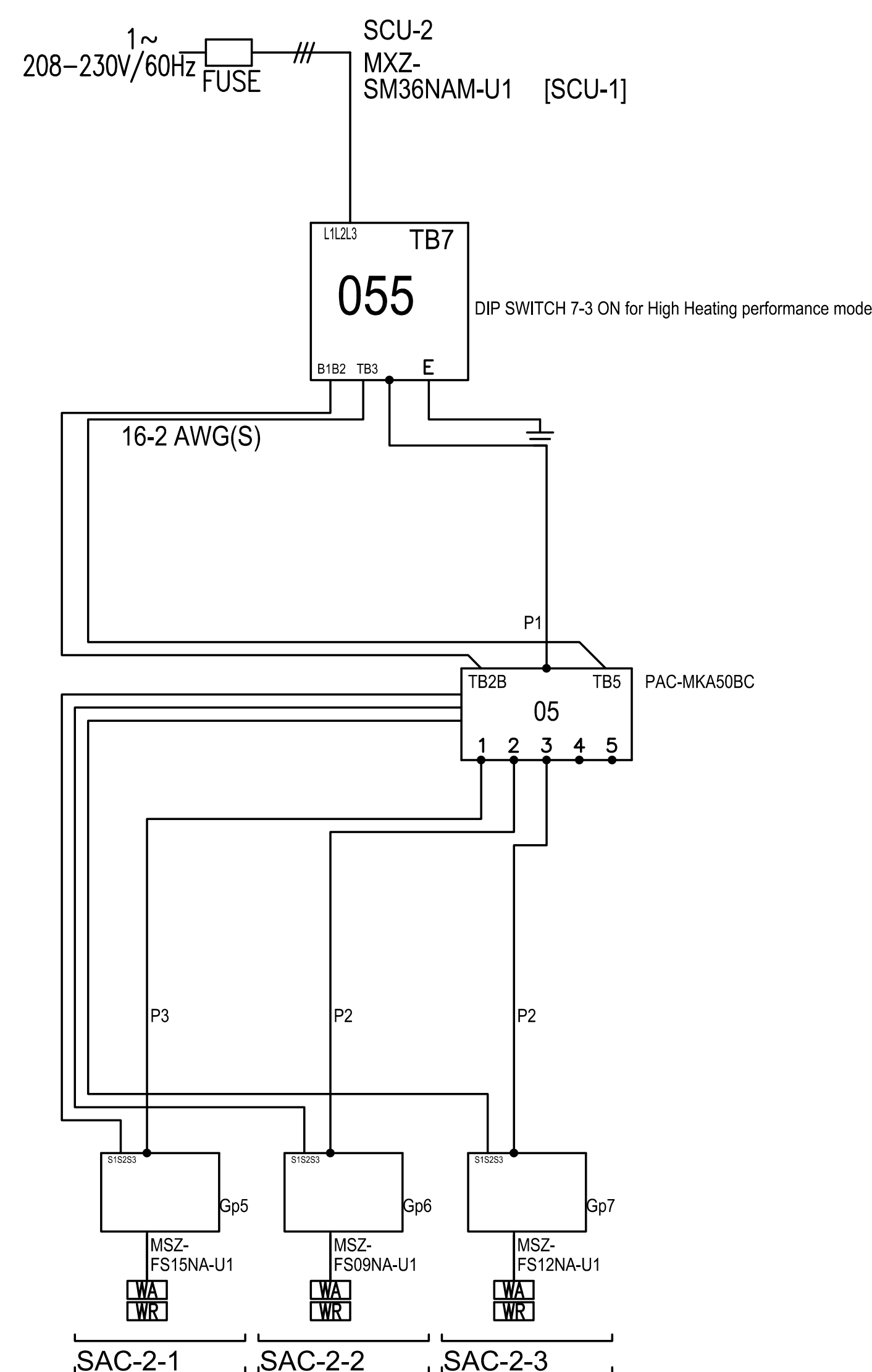
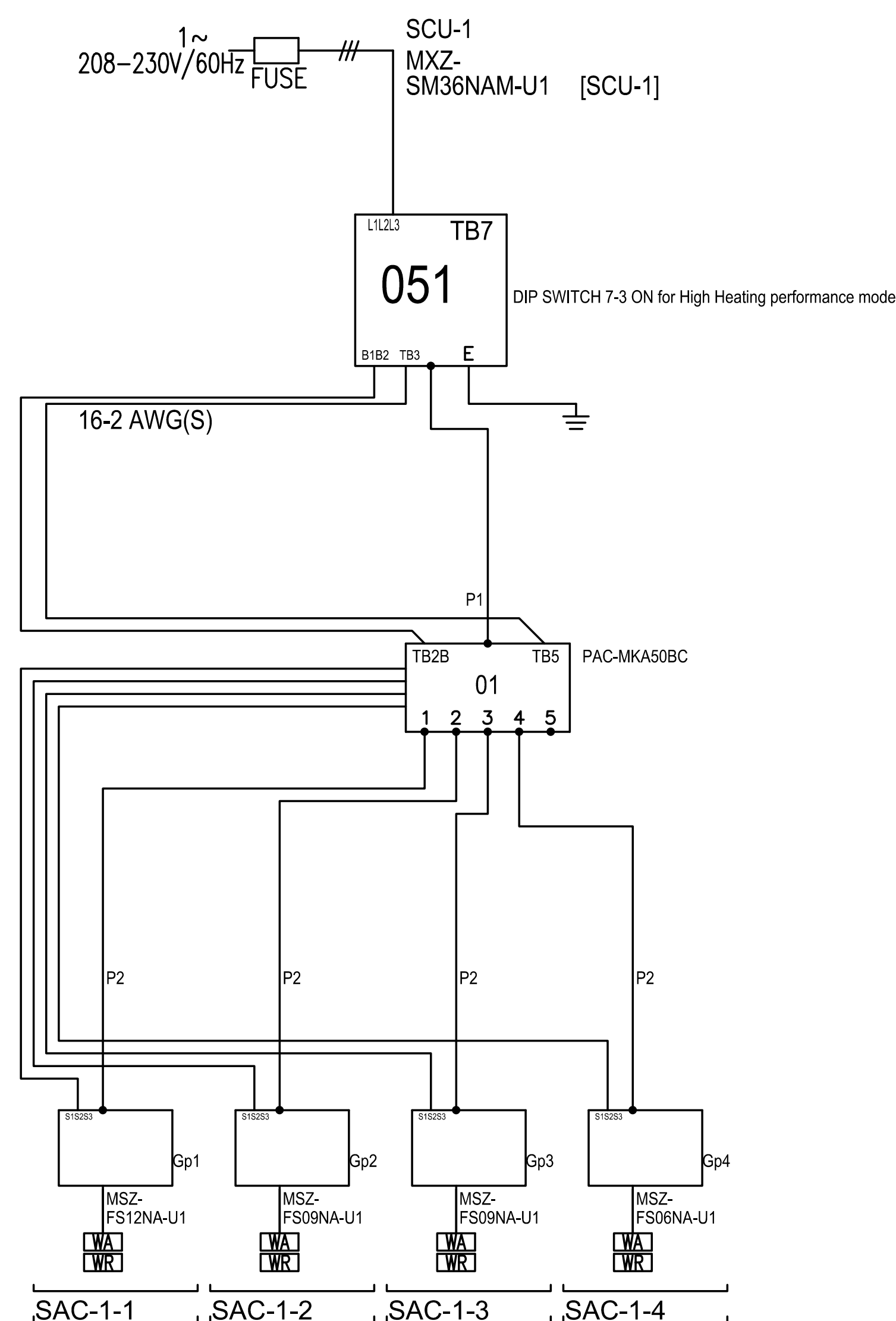


CITY MULTI
SYSTEM SCHEMATIC DWG.

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm²(16 AWG) : 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG) : between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

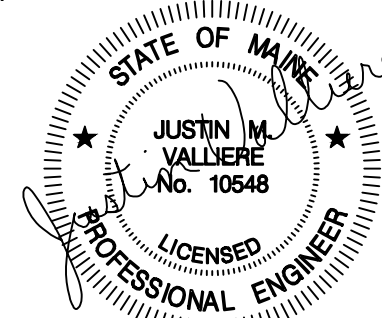
DIAGRAM DISPLAY	SYMBOL DESCRIPTION	LEGEND	CONT.No	PAGE
---	///	POWER WIRE		
---	---	CONTROL WIRE		
---	---	REF. PIPE		

PIPING AND CONTROLS	
SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	3/8 / 5/8
P2	1/4 / 3/8
P3	1/4 / 1/2
SYMBOL	MODEL NUMBER
WAWR	stock controller



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HEAT PUMP
SCHEMATIC DETAILS

M402