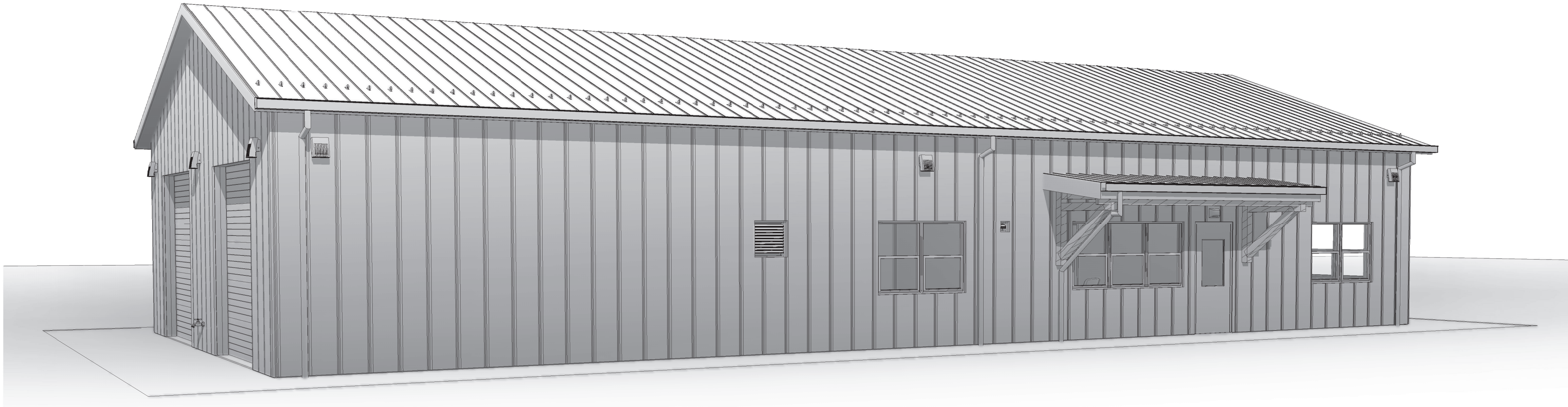


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WATER STRIDER SOLAR

O&M BUILDING

4220 STAGE COACH ROAD NATHALIE, VA 24577



PROJECT SCOPE

THE PROJECT CONSISTS OF THE CONSTRUCTION OF A 1-STORY OPERATIONS AND MAINTENANCE BUILDING AND ASSOCIATED SITE WORK WITHIN THE IMMEDIATE VICINITY INCLUDING THE PARKING AREA, DOMESTIC WATER TANKS, FIRE WATER TANKS, AND SEPTIC SYSTEM FOR THE WATER STRIDER SOLAR FARM.

APPLICABLE CODES

2015 VIRGINIA CONSTRUCTION CODE
2015 VIRGINIA ELECTRIC CODE
2015 VIRGINIA MECHANICAL CODE
2015 VIRGINIA PLUMBING CODE
2015 VIRGINIA ENERGY CONSERVATION CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
and LOCAL GOVERNING AGENCY REQUIREMENTS

BUILDING SUMMARY

OCCUPANCY GROUP: SEPARATED MIXED USE BUSINESS (B) AND STORAGE (S-1); NO SEPARATION REQUIREMENT PER TABLE 508.4

TYPE OF CONSTRUCTION: V-B
BUILDING HEIGHT: 19'-3", 40'-0" ALLOWED PER TABLE 504.3
NUMBER OF STORIES: 1; 1 STORY ALLOWED PER TABLE 504.4 (S-1)
GROSS BUILDING AREA: 2,797 SF; 9,000 SF ALLOWED PER TABLE 506.2

PLUMBING FIXTURES

NOTE: BUILDING IS NORMALLY OCCUPIED BY 2 PEOPLE AT A TIME. FIXTURE COUNT IS BASED ON OCCUPANT LOAD UNDER 15 PERSONS.

WATER CLOSETS: 1; 1 REQUIRED PER 2902.2, EXCEPTION #2
LAVATORIES: 1; 1 REQUIRED PER 2902.1
DRINKING FOUNTAINS: 0; 0 REQUIRED PER 2902.6
SHOWERS: 1; 0 REQUIRED PER 2902.1
SERVICE SINKS: 1; 1 REQUIRED PER 2902.1

ENERGY SUMMARY

CLIMATE ZONE: 4A
METHOD OF COMPLIANCE: PRESCRIPTIVE (ENERGY CODE)

THERMAL ENVELOPE:
ROOF/CEILING ASSEMBLY: METAL ROOFING AND UNDERLAYMENT , OVER 1/2" EXTERIOR GRADE PLYWOOD SHEATHING, OVER PRE-ENGINEERED WOOD TRUSSES WITH R-38 CLOSED CELL SPRAY FOAM INSULATION
0.0312
R-38
METAL WALL PANEL, OVER WEATHER BARRIER, OVER 1/2" WOOD SHEATHING, OVER 2x6 WOOD STUDS AT 16" OC, WITH R-20 CAVITY INSULATION, OVER 5/8" GYPSUM WALLBOARD
0.0393
R-20 CAVITY

U-VALUE OF ASSEMBLY:
R-VALUE OF INSULATION:
EXTERIOR WALLS:

KEY PLAN
(NOT TO SCALE)



VICINITY MAP
(NOT TO SCALE)



OWNER

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SHEET INDEX

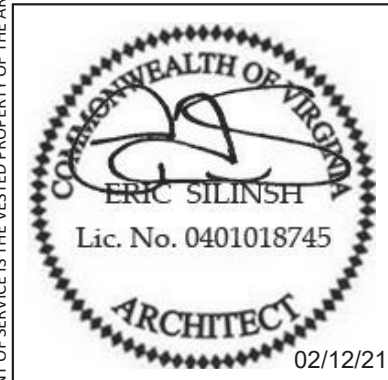
GENERAL	
CS000	COVER SHEET
GENERAL	
G100	LIFE SAFETY PLAN
G200	NOTES, ABBREVIATIONS, SYMBOLS
CIVIL	
C-1	COVER SHEET
C-2	EXISTING CONDITIONS
C-3	SITE PLAN
C-4	DETAILS
ARCHITECTURE	
A110	FIRST FLOOR PLAN
A120	REFLECTED CEILING PLAN
A130	ROOF PLAN
A200	EXTERIOR ELEVATIONS
A210	EXTERIOR ELEVATIONS
A300	BUILDING SECTIONS
A310	WALL SECTIONS
A320	WALL SECTIONS
A400	ENLARGED FLOOR PLANS & DETAILS
A410	INTERIOR ELEVATIONS AND DETAILS
A500	EXTERIOR DETAILS
A600	DOOR AND WINDOW SCHEDULES & DETAILS
INTERIOR DESIGN	
ID100	FINISH PLAN, NOTES AND SCHEDULE
STRUCTURAL	
S000	GENERAL NOTES
S100	FOUNDATION PLAN
S200	ROOF FRAMING PLAN
S300	FOUNDATION DETAILS
S400	TRUSS PROFILES
MECHANICAL	
M001	MECHANICAL SPECIFICATIONS & LEGEND
M101	MECHANICAL PLAN
M501	DETAILS
M601	MECHANICAL SCHEDULES
PLUMBING	
P001	PLUMBING SPECIFICATIONS & LEGEND
P101	PLUMBING PIPING PLAN
P501	PLUMBING DETAILS
P601	PLUMBING SCHEDULES
ELECTRICAL	
E000	ELECTRICAL COVERSHEET
E001	ELECTRICAL SPECIFICATIONS
E111	POWER PLAN
E121	LIGHTING PLAN
E131	MECHANICAL POWER PLAN
E500	ELECTRICAL DETAILS
E700	POWER RISER DIAGRAM AND PANEL SCHEDULES

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WATER STRIDER SOLAR

O&M BUILDING

4220 STAGE COACH ROAD
NATHALIE, VA 24577



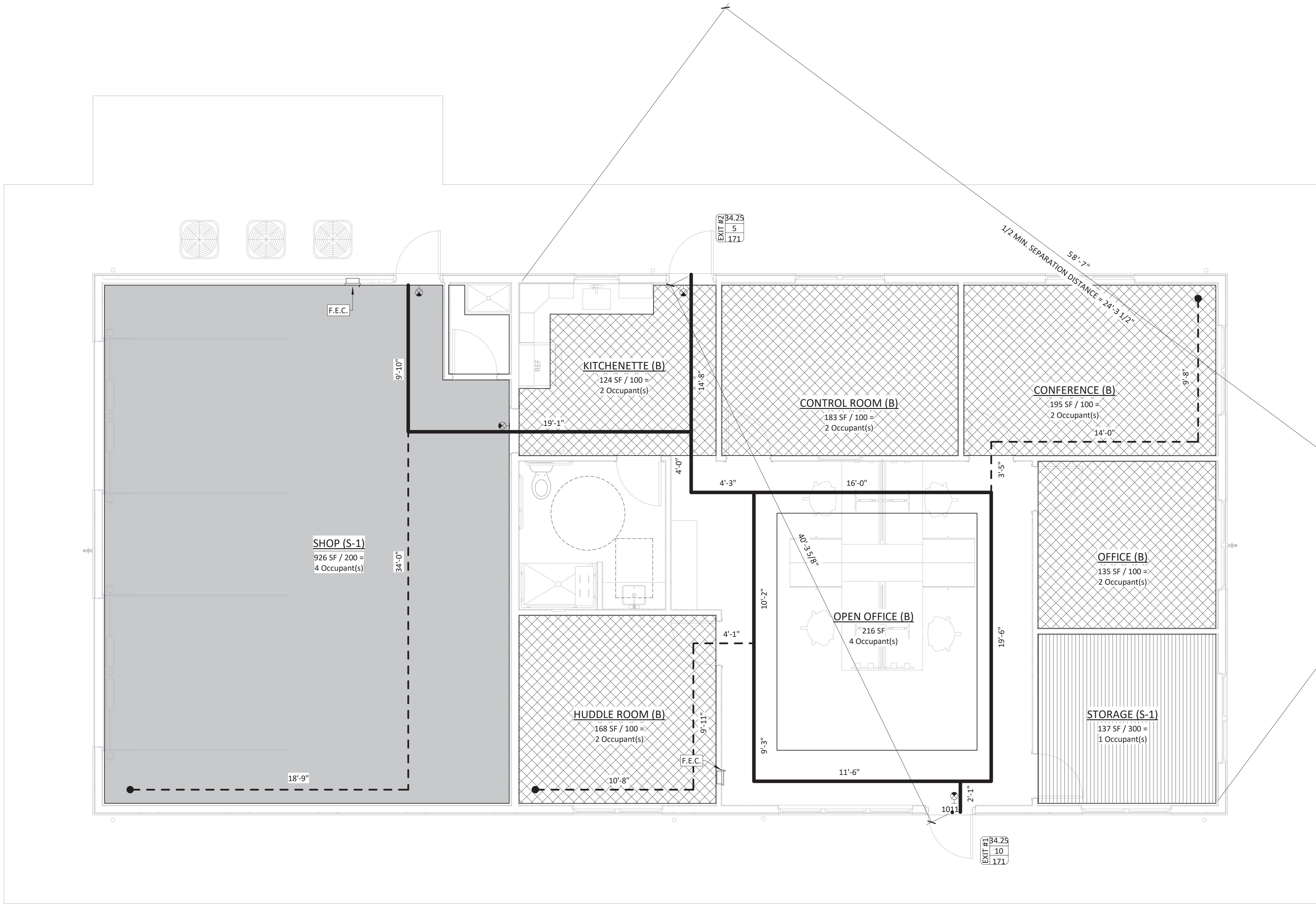
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DRAWN BY: BIM
CHECKED BY: ES
FIRST ISSUE DATE: 02/12/21
PROJECT NO.
20-0143.V07

COVER SHEET

CS000





BUILDING INFORMATION			
*PER TABLE 504.3, 504.4, & 506.2 OF THE 2015 VAS			
CONSTRUCTION TYPE: USE GROUP:		TYPE V-B ASSEMBLY (A-2)	
STORIES HEIGHT (ft)		AREA (sf)	
ALLOWED	PROVIDED	ALLOWED	PROVIDED
60'-0"	33'-0" 1/2"	18,000 sf	4,100 sf
OCCUPANCY TYPE			
*PER TABLE 1004.1.2 OF THE 2015 VAS			
Type	Area	Seats	Capacity
B	216 SF	FACTOR	
B	807 SF	100	
S-1	926 SF	200	
S-1	137 SF	300	
FIRST FLOOR	2086 SF		
TOTAL	2086 SF		
EXIT TRAVEL DISTANCE			
*SEE TABLE 1001.2.3 OF THE 2015 VAS			

<u>REQUIRED</u> 200'-0"	<u>PROVIDED</u> 113'-1"
----------------------------	----------------------------

COMMON PATH OF TRAVE

*PER 1006.2.1 OF THE 2015 VASBC

<u>REQUIRED</u>	<u>PROVIDED</u>
75'-0"	52'-9"

NUMBER OF EXITS	
*PER TABLE 1006.3.2 OF THE 2015 VASBC	

2	3
CLEAR EXIT WIDTH	

*PER 1005.3.2 OF THE 2018 NCSBC	
<u>REQUIRED</u>	<u>PROVIDED</u>

# 175 (0.2) = 35	EXIT #2 = 40"
	EXIT #3 = 34.25
MAXIMUM CALCULATED	

OCCUPANT LOAD CAPACITY FOR EGRESS EXIT

EXIT #1: CLEAR WIDTH = $40'' / 0.2'' = 200$ OCCUPA



RE MOTENESS OF EXIT

*PER 1007.1.1 OF THE 2018 NCSBC	
REQUIRED	PROVIDED


LIFE SAFETY SYMBOL LEGEND

	OCCUPANT TRAVEL PATH
	COMMON PATH OF TRAVEL

EXIT #	XX	→	OCCUPANT LOAD
	XXX	↘	MAXIMUM OCCUPANT CAPACITY

	CEILING MOUNTED DIRECTIONAL LED EXIT SIGN
	WALL MOUNTED DIRECTIONAL LED EXIT SIGN

	DIRECTIONAL LED EXIT SIGN
	WALL MOUNTED FIRE EXTINGUISHER

	ADA COMPLIANT SEMI-RECESSED FIRE EXTINGUISHER CABINET
	BUSINESS OCCUPANCY

		STORAGE OCCUPANCY
		ACCESSORY OCCUPANCY

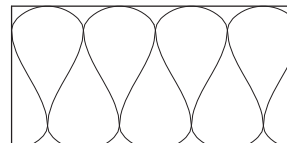
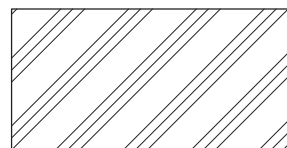
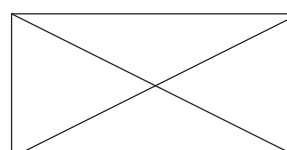
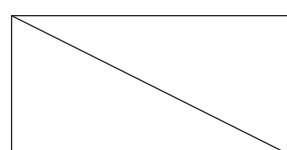
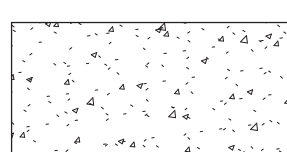

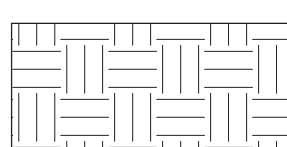

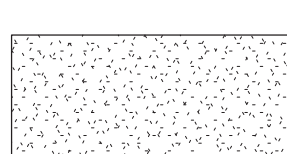
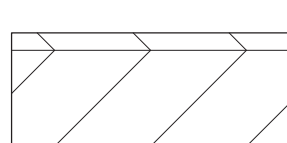
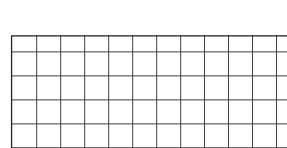
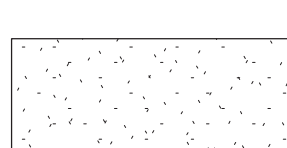


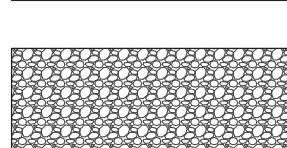

















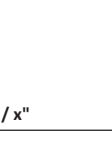
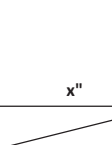

**WATER STRIDER SOLAR
O&M BUILDING**

ERIC SILINSH
Lic. No. 0401018745
ARCHITECT

02/12/21

NO	REVISIONS	DATE
A	ISSUED FOR PERMIT	02/12/21

DRAWN BY:	BJM
CHECKED BY:	ES
FIRST ISSUE DATE:	02/12/21
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GENERAL NOTES		MATERIAL SYMBOLS	DRAWING SYMBOLS	
<div><div>1.</div><div>THE ARCHITECTURAL DRAWINGS SHOULD BE USED IN CONJUNCTION WITH THE CIVIL, STRUCTURAL, MEP, FIRE PROTECTION DRAWINGS AND SPECIFICATIONS. DISCREPENCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.</div></div> <div><div>2.</div><div>THE AVAILABLE SPACE FOR ROUTING ALL ELECTRICAL, MECHANICAL, PLUMBING, FIRE PROTECTION, AND DUCTWORK MAY BE LIMITED IN MANY LOCATIONS. THE GENERAL CONTRACTOR SHALL COORDINATE ALL OF THE TRADES WORK AND MAKE ADJUSTMENTS WITH THE ARCHITECT'S APPROVAL TO THE ROUTING OF THESE ITEMS AS REQUIRED. ANY REWORK RESULTING FROM THE FAILURE TO COORDINATE WILL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.</div></div> <div><div>3.</div><div>THE GENERAL CONTRACTOR SHALL FULLY ACQUAINT THEMSELVES WITH THE CONDITIONS OF THE CONTRACT, LOCAL CONDITIONS RELATING TO THE JOB SITE, ACCESSIBILITY AND GENERAL CHARACTER OF THE CONSTRUCTION SITE AND LOCAL LABOR CONDITIONS SO THAT THEY UNDERSTAND THE NATURE, EXTENT, DIFFICULTIES AND RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK.</div></div> <div><div>4.</div><div>NOTHING IN THE DRAWINGS AND/OR THE SPECIFICATIONS/PROJECT MANUAL SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES, MANUFACTURER RECOMMENDATIONS, AND/OR REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND OWNER IMMEDIATELY AND CEASE WORK ON ALL PARTS OF THE CONTRACT THAT ARE AFFECTED. THE WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE MOST CURRENT ADOPTED, AND AS APPLICABLE, AMENDED, RULES, REGULATIONS, RESTRICTIONS, REQUIREMENTS AND CODES.</div></div> <div><div>5.</div><div>THE CONTRACTOR/SUB-CONTRACTOR EXPRESSLY WARRANTS THAT ALL WORK SHALL BE EXECUTED IN A SOUND AND WORKMANLIKE MANNER IN CONFORMANCE WITH THE HIGHEST STANDARDS WITHIN THE INDUSTRY AND WARRANTS THAT ALL MATERIALS USED TO COMPLETE THE WORK/PROJECT ARE MERCHANTABLE, FREE FROM ANY PATENT OR LATENT DEFECT, FIT FOR THEIR INTENDED USE, AND EQUAL IN QUALITY TO THE BEST OF THEIR KIND.</div></div> <div><div>6.</div><div>THE DRAWINGS ARE ONLY INTENDED TO PARTIALLY DESCRIBE THE OVERALL SCOPE OF WORK. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND ALERT THE ARCHITECT AND OWNER IN ADVANCE, TO ANY UNFORESEEN CONDITIONS AND/OR CONSTRUCTION DIFFICULTIES PRIOR TO COMMENCING WORK OR WORKING ON THE AFFECTED PORTION OF THE WORK.</div></div> <div><div>7.</div><div>WHERE WORK IS REQUIRED FOR A COMPLETE PROJECT, BUT NOT SPECIFICALLY DRAWN OR INDICATED, THE CONTRACTOR SHALL PROVIDE THE NECESSARY WORK.</div></div> <div><div>8.</div><div>THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITIES. ANY EXISTING UTILITIES INDICATED HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE INDICATED FOR CONVENIENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL UTILITY LOCATIONS NOT INDICATED.</div></div> <div><div>9.</div><div>CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID DAMAGE OR DISTURBANCE TO EXISTING UTILITIES.</div></div> <div><div>10.</div><div>ITEMS NOTED AS TYPICAL MAY NOT BE NOTED AT EVERY OCCURRENCE. DIMENSIONS, NOTES, FINISHES, AND FIXTURES SHOWN ON TYPICAL PLANS, SECTIONS, OR DETAILS SHALL APPLY TO SIMILAR, SYMMETRICAL OR OPPOSITE PLANS, SECTIONS OR DETAILS.</div></div> <div><div>11.</div><div>ALL PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRE BLOCKED AND SEALED PER UL APPROVED METHODS.</div></div> <div><div>12.</div><div>ALL CONCEALED FIRE RATED ASSEMBLIES SHALL BE PROVIDED WITH SIGNAGE INDICATING THE TYPE OF ASSEMBLY AND THE FIRE RATING IN HOURS IN LETTERS NO SMALLER THAN 2" HIGH. SEE NCSBC SECTION 701.2.</div></div> <div><div>13.</div><div>THE GENERAL CONTRACTOR TO PROVIDE KNOX BOX AS REQUIRED BY LOCAL FIRE MARSHAL. GC TO REVIEW LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.</div></div> <div><div>14.</div><div>IN CASE OF ANY CONFLICT WHEREIN THE METHODS OR STANDARDS OF INSTALLATION OR THE MATERIALS SPECIFIED DO NOT EQUAL OR EXCEED THE REQUIREMENTS OF THE LAWS OR ORDINANCES, THE LAWS OR ORDINANCES SHALL GOVERN. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND OWNER OF ALL CONFLICTS ONCE KNOWN.</div></div> <div><div>15.</div><div>THE ARCHITECT ASSUMES NO RESPONSIBILITY AS TO THE PHYSICAL CHARACTERISTICS OF THE SOIL(S) OR THE ACCURACY OF ENGINEERING DATA SUPPLIED BY OTHERS.</div></div> <div><div>16.</div><div>THE G.C. SHALL VERIFY DIMENSIONS, LEVELS, EASEMENTS, BOUNDARIES AND CONSTRUCTION INDICATED ON CONTRACT DRAWINGS BEFORE PROCEEDING WITH THE WORK. ALSO, THE G.C. SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR OMISSIONS BETWEEN THE CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS, BEFORE COMMENCING WITH ANY WORK AND REQUEST CLARIFICATION AS REQUIRED.</div></div> <div><div>17.</div><div>DIMENSIONS NOTED AS "CLR." ARE TO BE CLEAR FROM FACE OF FINISH MATERIAL TO FACE OF FINISH MATERIAL OR CENTERLINE OF FIXTURE AND ARE NOT ADJUSTABLE WITHOUT WRITTEN APPROVAL OF ARCHITECT.</div></div> <div><div>18.</div><div>THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS FOR THE EQUIPMENT FURNISHED AND INSTALLED BY CONTRACTOR OR OTHERS.</div></div> <div><div>19.</div><div>PROVIDE RIGID BAFFLES (RESISTANT TO WIND DRIVEN MOISTURE). ALL EAVE VENTS TO DEFLECT INCOMING AIR ABOVE INSULATION SURFACE. INSTALL BAFFLES FROM TOP OF OUTSIDE OF EXTERIOR WALL TO MINIMUM 6" VERTICAL ABOVE TOP OF INSULATION. FOR LOOSE FILL INSULATION, INSTALL PERMANENT RETAINER TO MAINTAIN REQUIRED CLEARANCES.</div></div> <div><div>20.</div><div>INSTALL AND SEAL ALL BATHROOM ACCESSORIES (I.E. GRAB BARS, TOWEL BARS, ETC.) ON OR WITHIN WALLS TO PROTECT ELEMENTS FROM MOISTURE. WALLS AT SHOWERS AND BATHTUBS SHALL BE WATERTIGHT TO A MINIMUM OF 7'-0" HIGH ABOVE DRAIN INLET.</div></div> <div><div>21.</div><div>PROVIDE APPROPRIATE SEALANT AROUND WINDOWS, DOOR JAMBS & HEADS, AND ADJACENTCONSTRUCTION.</div></div> <div><div>22.</div><div>WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE PRESERVATIVE TREATED; USE OF CCA PRESERVATIVE IS PROHIBITED. USE APPROPRIATE FASTENERS PER PRESERVATIVE.</div></div> <div><div>23.</div><div>ALL MATERIALS AND/OR EQUIPMENT SHALL BE INSTALLED/USED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS & SHALL COMPLY W/ ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS.</div></div> <div><div>24.</div><div>FIRE DEPARTMENT REQUIRED WATER MAINS, FIRE HYDRANTS AND TEMPORARY FIRE DEPARTMENT ACCESS TO BE INSTALLED, INSPECTED, AND APPROVED BY THE FIRE DEPARTMENT PRIOR TO COMMENCEMENT OF COMBUSTIBLE CONSTRUCTION.</div></div> <div><div>25.</div><div>PROVIDE STAIRWAY NUMBERING SYSTEM PER IBC SECTION 1019 AND ANY AND ALL OTHER APPLICABLE CODES/REGULATIONS.</div></div> <div><div>26.</div><div>THESE DRAWINGS DO NOT CONTAIN THE REQUIREMENTS FOR JOB SAFETY. ALL PROVISIONS FOR SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.</div></div> <div><div>27.</div><div>THE G.C. SHALL MAINTAIN A CURRENT AND COMPLETE SET OF APPROVED CONSTRUCTION DRAWINGS ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.</div></div> <div><div>28.</div><div>THE G.C. SHALL SUBMIT SHOP DRAWINGS AS REQUIRED AND FOR ITEMS LISTED IN THE PROJECT MANUAL (UNDER SEPARATE COVER).</div></div> <div><div>29.</div><div>ALL FINISHED FLOOR ELEVATIONS SHALL BE A MINIMUM OF 8" ABOVE THE FINISHED GRADE OR AS INDICATED ON THE DRAWINGS. GRADE SHALL BE SLOPED AWAY FROM BUILDING FOR POSITIVE DRAINAGE.</div></div> <div><div>30.</div><div>PROVIDE TEMPERED GLASS AS REQUIRED BY CODE ADJACENT TO DOORS AND EXITWAYS.</div></div> <div><div>31.</div><div>RIGID INSULATION SHALL BE PER IBC SECTION 2603</div></div> <div><div>32.</div><div>ROWLOCKS ARE TO PROJECT MIN. 1/2" FROM THE FACE OF RUNNING BOND BELOW. UNLESS INDICATED OTHERWISE ON THE DRAWINGS.</div></div> <div><div>33.</div><div>ALL HVAC, PLUMBING AND ELEC. PENETRATIONS THROUGHOUT THE EXTERIOR WALLS AND AT THE TOP AND BOTTOM PLATES SHALL BE PROPERLY SEALED.</div></div> <div><div>34.</div><div>ALL CAULKING/SEALANT COLORS TO MATCH ADJACENT SURFACES.</div></div> <div><div>35.</div><div>THE G.C. SHALL ASSURE THAT ANY AND ALL MATERIAL COMPATIBILITY IS ACHIEVED WITH NO NEGATIVE EFFECT ON MATERIALS; I.E. CONTACT OF DISSIMILAR MATERIALS WILL HAVE NO NEGATIVE IMPACT/EFFECT ON EITHER MATERIAL OR SURROUNDING CONSTRUCTION. G.C. SHALL INFORM ARCHITECT OF ANY AND ALL CONCERNS PRIOR TO FABRICATION/INSTALLATION.</div></div> <div><div>36.</div><div>EXPOSED STEEL LINTELS AND 'BREAK' METAL TO BE PAINTED TO MATCH ADJACENT SURFACE UNLESS NOTES OTHERWISE.</div></div> <div><div>37.</div><div>PROVIDE SOLID BLOCKING WITHIN WALL CAVITY SEGMENTS BEHIND ALL EXTERIOR LIGHTS, SIGNAGE, BRACKETS, ETC.</div></div> <div><div>38.</div><div>VERIFY ALL FINISH FLOOR ELEVATIONS WITH CIVIL DRAWINGS.</div></div> <div><div>39.</div><div>COORDINATE DOWNSPOUT/ROOF DRAIN LEADER TIE-INS WITH THE CIVIL DRAWINGS; FOR THOSE WITHOUT TIES, PROVIDE SPLASH BLOCKS.</div></div> <div><div>40.</div><div>ANY AND ALL MECHANICAL EQUIPMENT, APPLIANCES, AND SUPPORTS THAT ARE EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND LOADING/PRESSURES DETERMINED IN ACCORDANCE WITH IBC.</div></div>	<div><div></div><div>ACOUSTICAL BATT INSULATION</div></div> <div><div></div><div>ALUMINUM</div></div> <div><div></div><div>BLOCKING (CONTINUOUS)</div></div> <div><div></div><div>BLOCKING (NON-CONTINUOUS)</div></div> <div><div></div><div>CONCRETE</div></div> <div><div></div><div>CONCRETE BLOCK</div></div> <div><div></div><div>EARTH, COMPACTED FILL</div></div> <div><div></div><div>FACE BRICK</div></div> <div><div></div><div>GYPSUM WALLBOARD</div></div> <div><div></div><div>PLYWOOD</div></div> <div><div></div><div>RIGID INSULATION</div></div> <div><div></div><div>SAND/MORTAR</div></div> <div><div></div><div>SPRAY FOAM INSULATION</div></div> <div><div></div><div>STEEL</div></div> <div><div></div><div>STONE/GRAVEL</div></div> <div><div></div><div>WOOD</div></div>	<div><div></div><div>DOOR WITH TAG</div></div> <div><div></div><div>ELEVATION TAG</div></div> <div><div></div><div>BUILDING SECTION</div></div> <div><div></div><div>WALL SECTION</div></div> <div><div></div><div>DETAIL SECTION/CALLOUT</div></div> <div><div></div><div>ROOM TAG, NAME & NUMBER</div></div> <div><div></div><div>WALL TAG</div></div> <div><div></div><div>STOREFRONT/ WINDOW TAG</div></div> <div><div></div><div>CENTERLINE</div></div> <div><div></div><div>GRID LINE</div></div> <div><div></div><div>MATERIAL TAG</div></div> <div><div></div><div>REVISION TAG</div></div> <div><div></div><div>SPOT ELEVATION</div></div> <div><div></div><div>DEMOLISHED ITEM TO BE REMOVED</div></div> <div><div></div><div>NEW WALL</div></div> <div><div></div><div>EXISTING ITEM TO REMAIN</div></div> <div><div></div><div>SLOPE ARROW</div></div> <div><div></div><div>SLOPE TRIANGLE</div></div> <div><div></div><div>EQUIPMENT TAG</div></div>		

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WATER STRIDER SOLAR

O&M BUILDING

4220 STAGE COACH ROAD
NATHALIE, VA 24577



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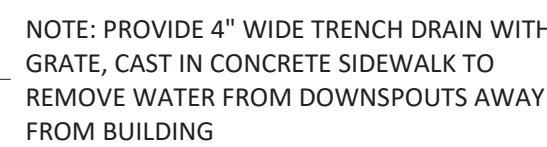
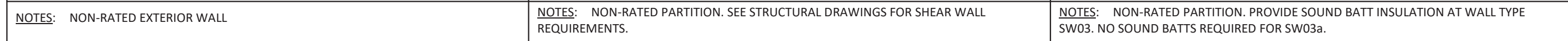
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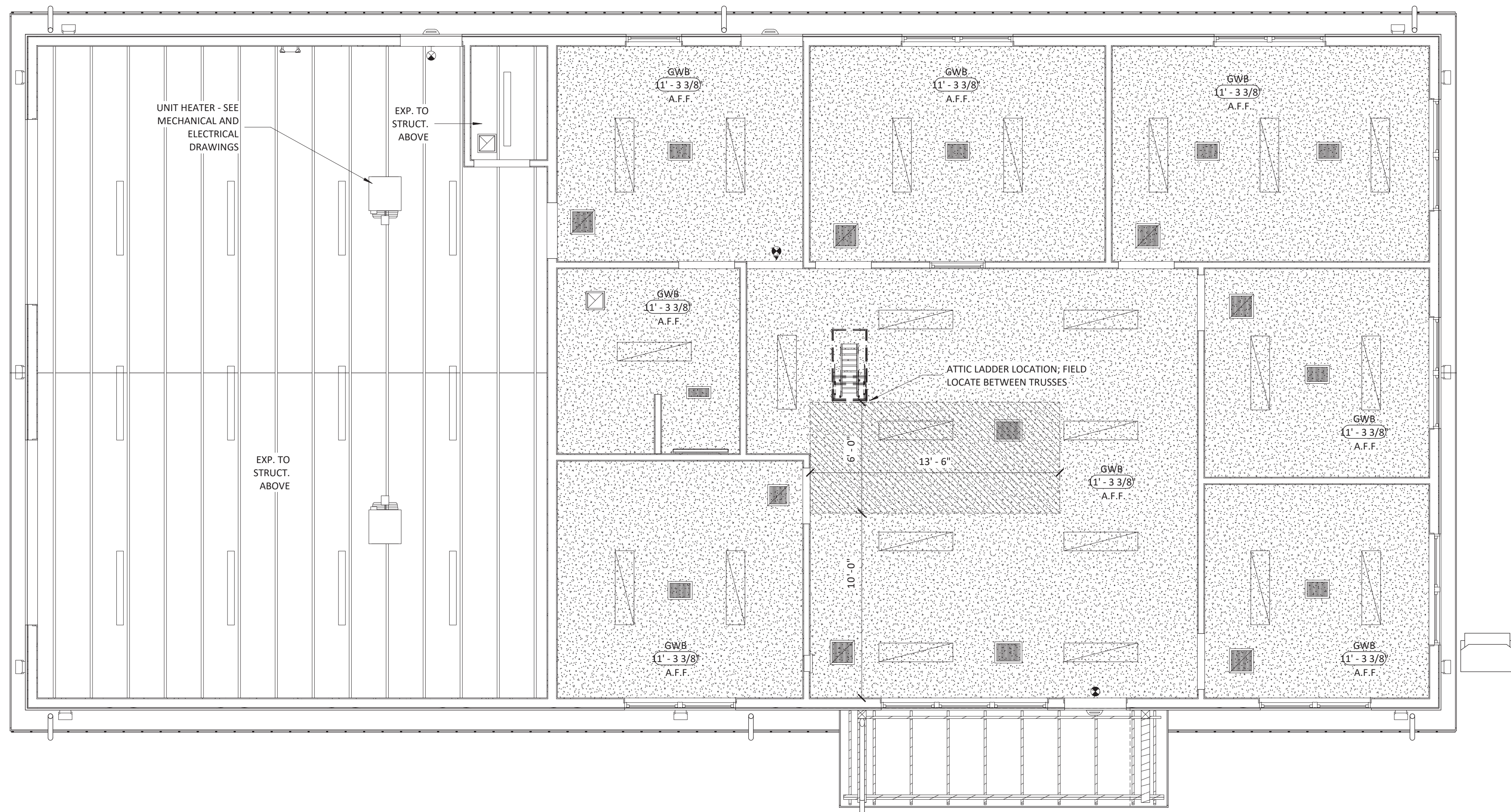
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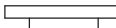

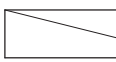


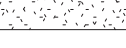

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NOTES, ABBREVIATIONS, SYMBOLS

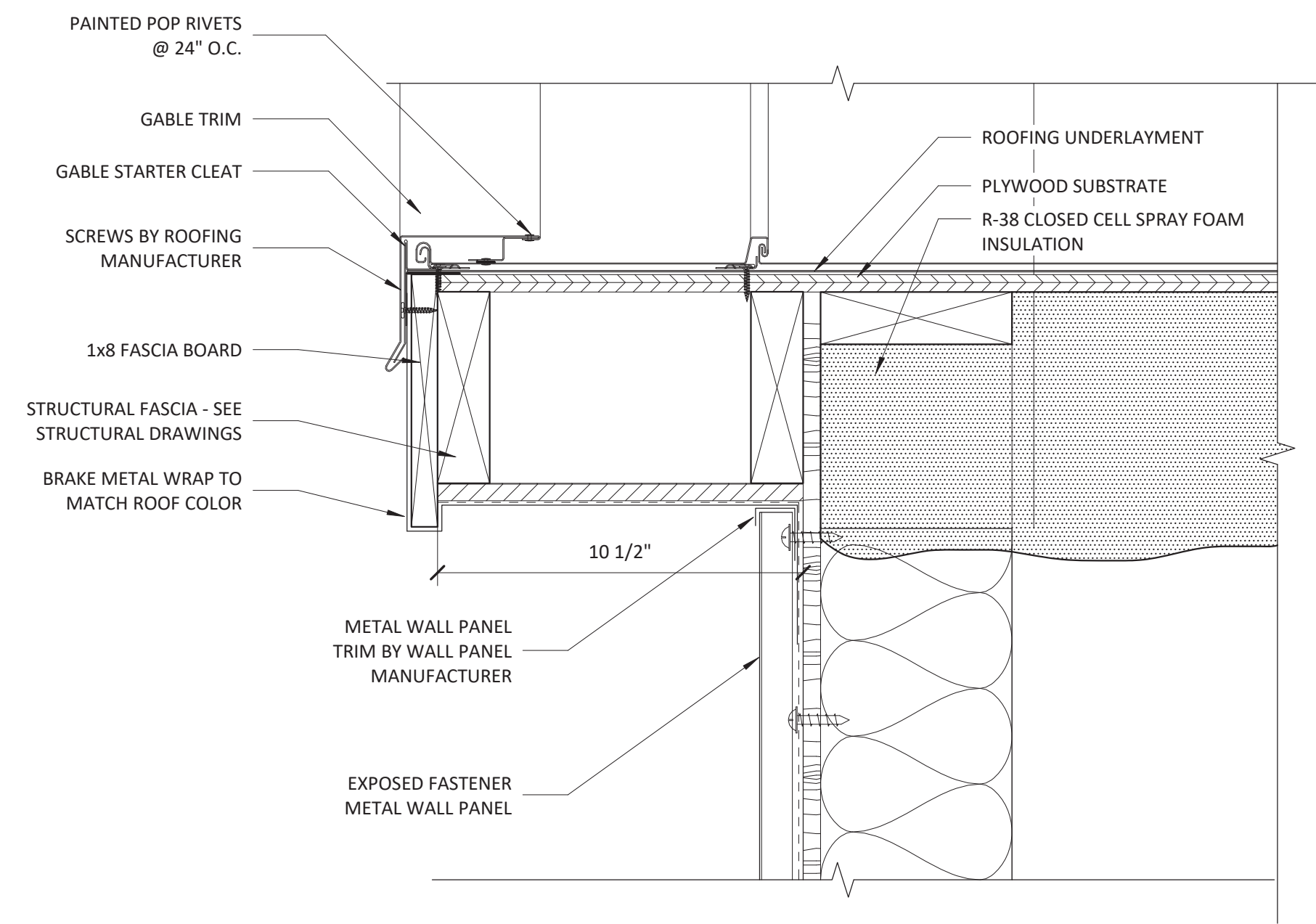
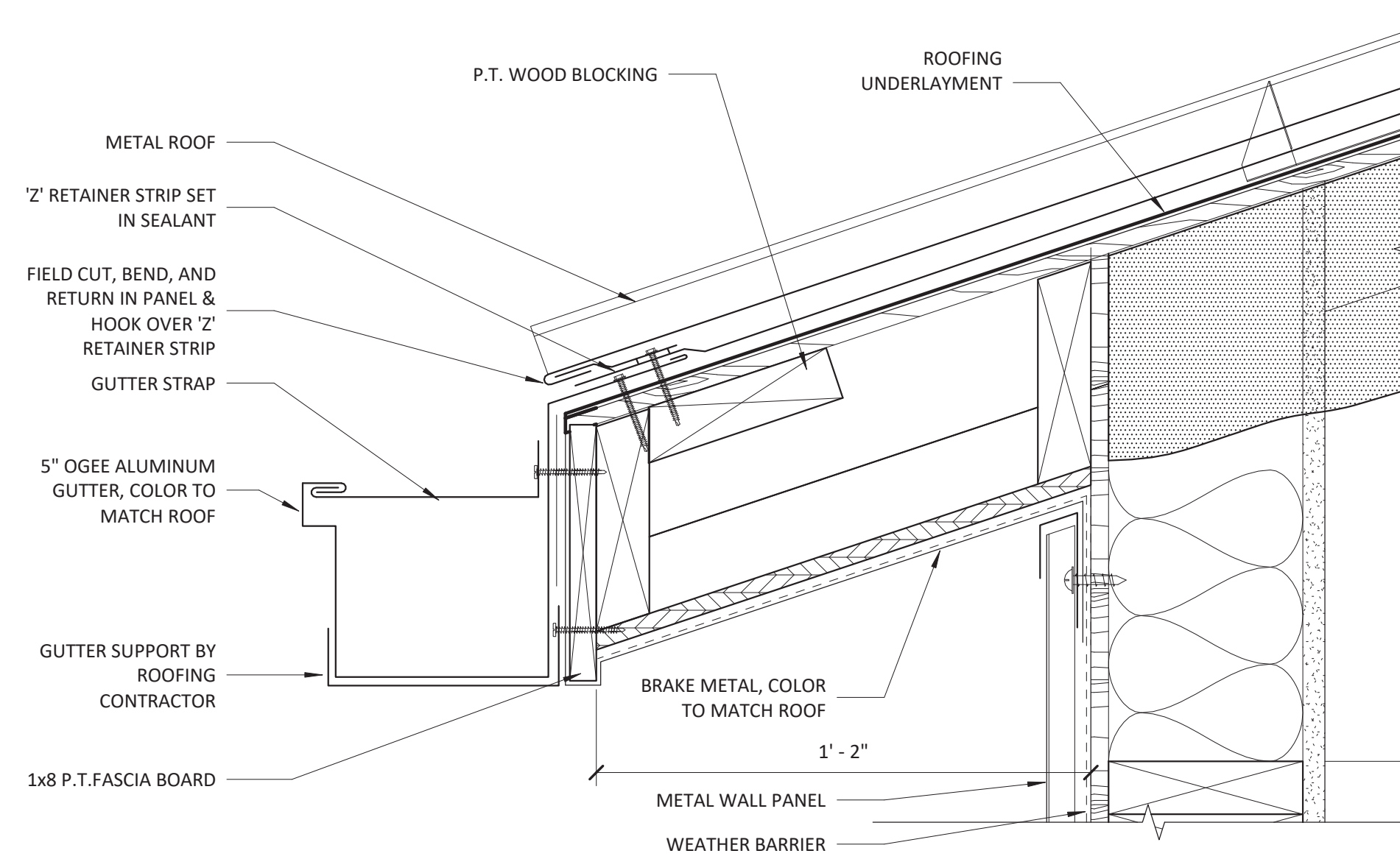
<u>NOTES:</u> NON-RATED EXTERIOR WALL	<u>NOTES:</u> NON-RATED PARTITION. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL REQUIREMENTS.	<u>NOTES:</u> NON-RATED PARTITION. PROVIDE SOUND BATT INSULATION AT WALL TYPE SW03. NO SOUND BATTS REQUIRED FOR SW03a.
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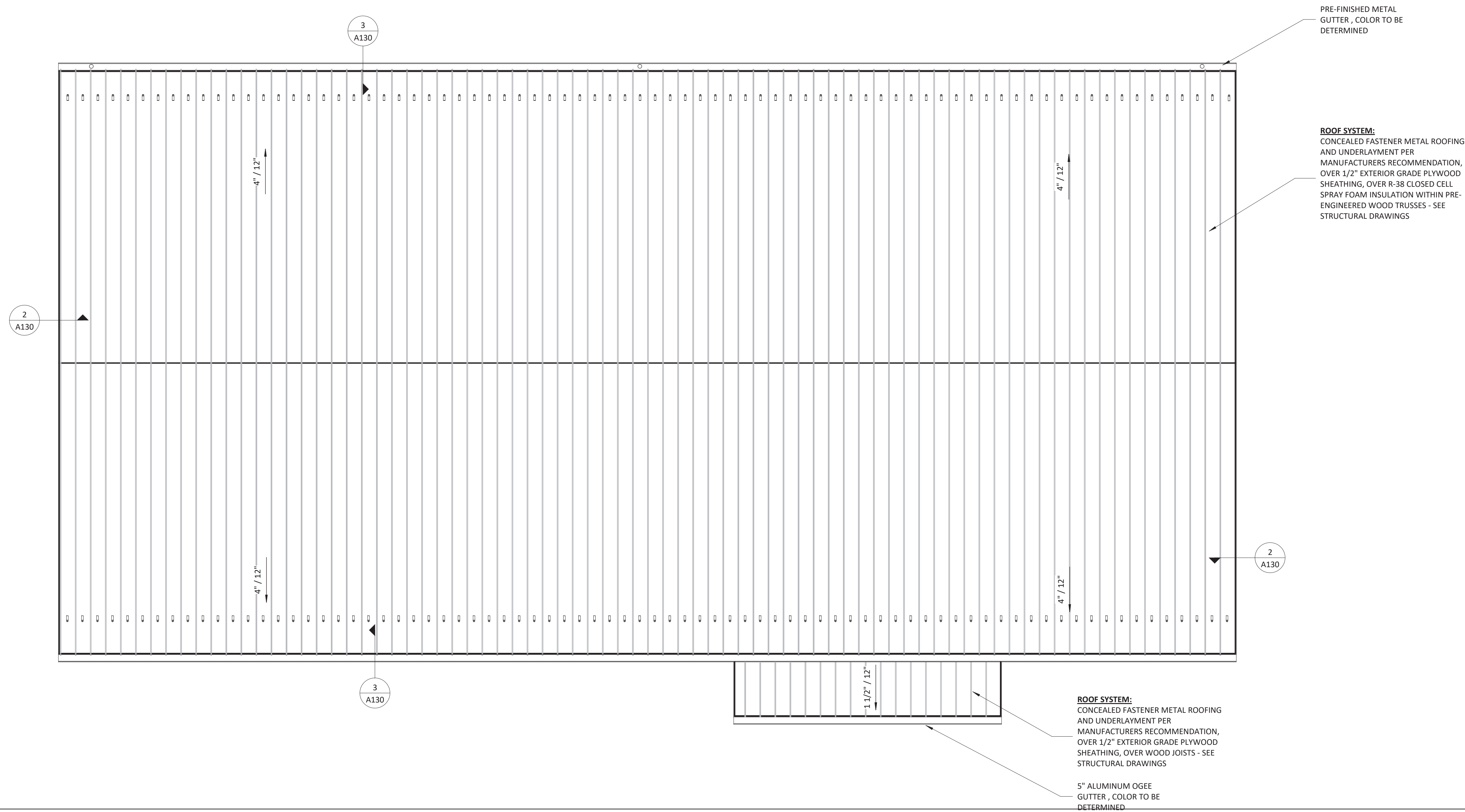
RCP LEGEND	
	SUPPLY AIR (CEILING MOUNTED)
	EXHAUST FAN (CEILING MOUNTED)
	DIRECTIONAL LED EXIT SIGN (WALL MOUNTED)
	LED WALL SCONCE
	LED STRIP LIGHT SUSPENDED @ 8'-0" A.F.F. OR SURFACE MTD. SEE ELECTRICAL DRAWINGS
	SURFACE MTD LED LIGHT SEE ELECTRICAL DRAWINGS
	EXTERIOR LED EMERGENCY LIGHTING
	EXTERIOR LED LIGHT
	5/8" GYPSUM WALLBOARD CEILING (GYP)
	EXPOSED TO STRUCTURE ABOVE
RCP NOTES	
1. A.F.F. - ABOVE FINISH FLOOR 2. REFER TO ID100 FOR FINISH SCHEDULE.	

1. A.F.F. - ABOVE FINISH FLOOR
2. REFER TO ID100 FOR FINISH SCHEDULE.



3	EAVE DETAIL
	3" = 1'-0"

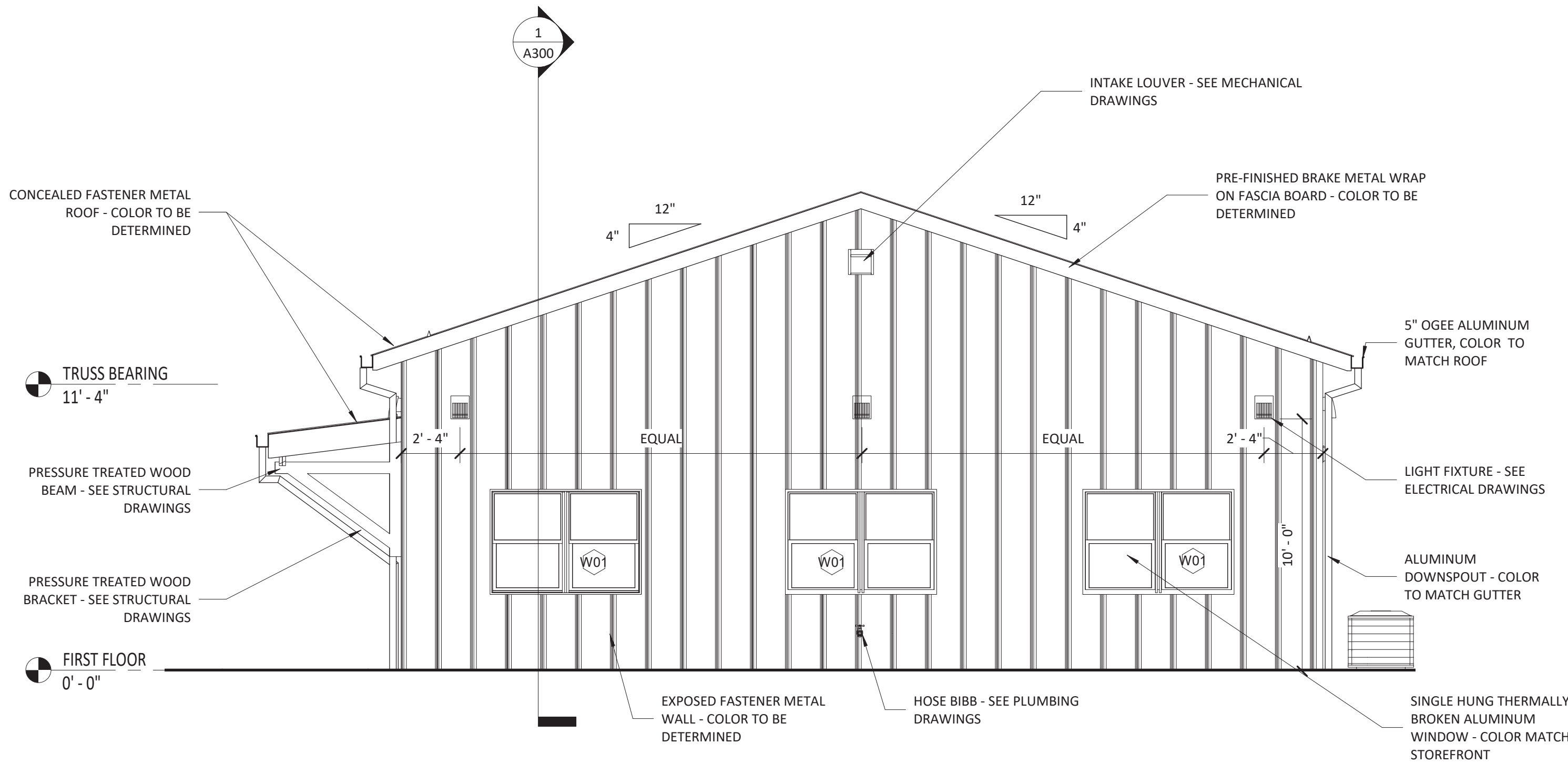
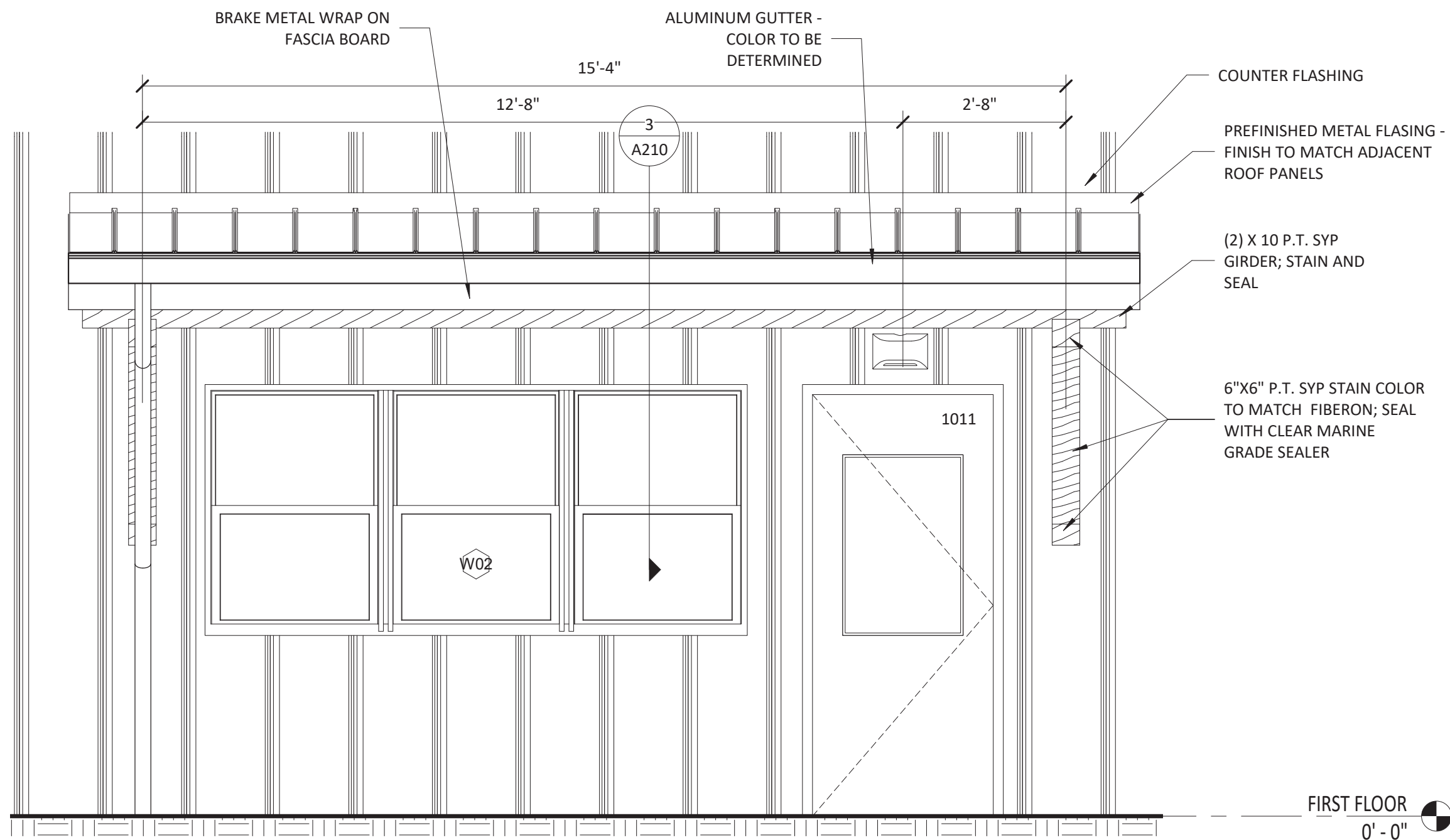
2	GABLE EAVE DETAIL
	3" = 1'-0"



1	ROOF PLAN
	1/4" = 1'-0"

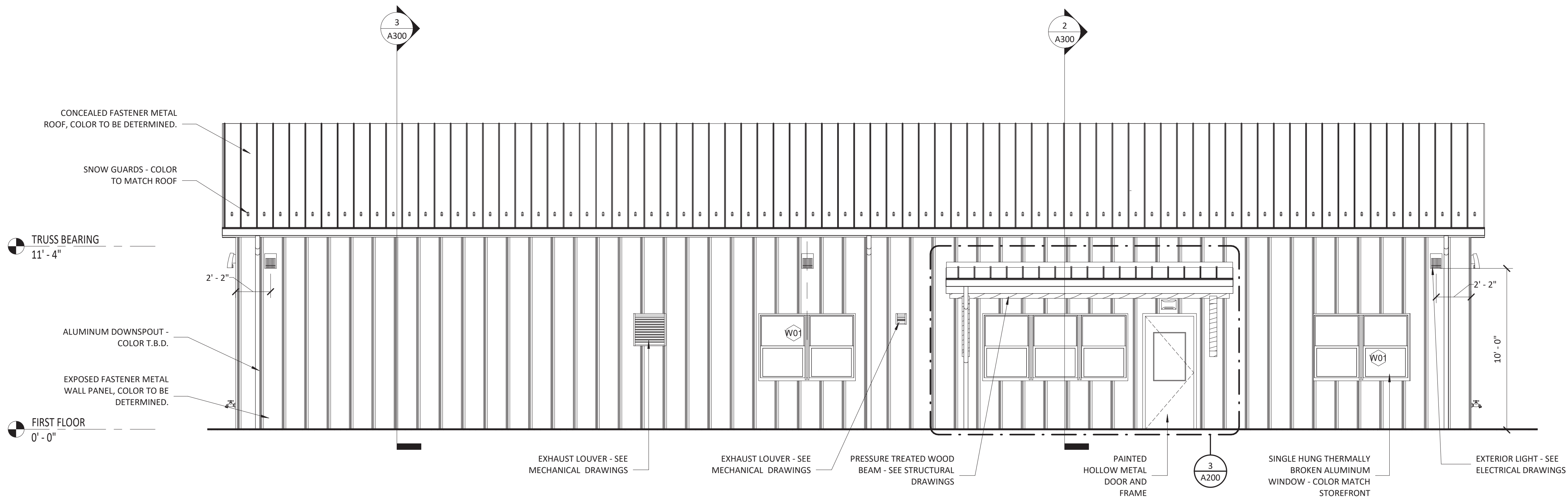
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3 ENLARGED ELEVATION
1/2" = 1'-0"

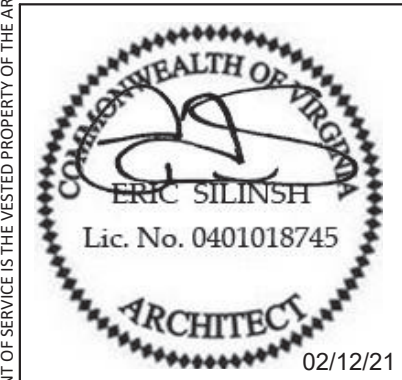
2 LEFT ELEVATION
1/4" = 1'-0"



1 FRONT ELEVATION
1/4" = 1'-0"

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O&M BUILDING
4220 STAGE COACH ROAD
NATHALIE, VA 24577

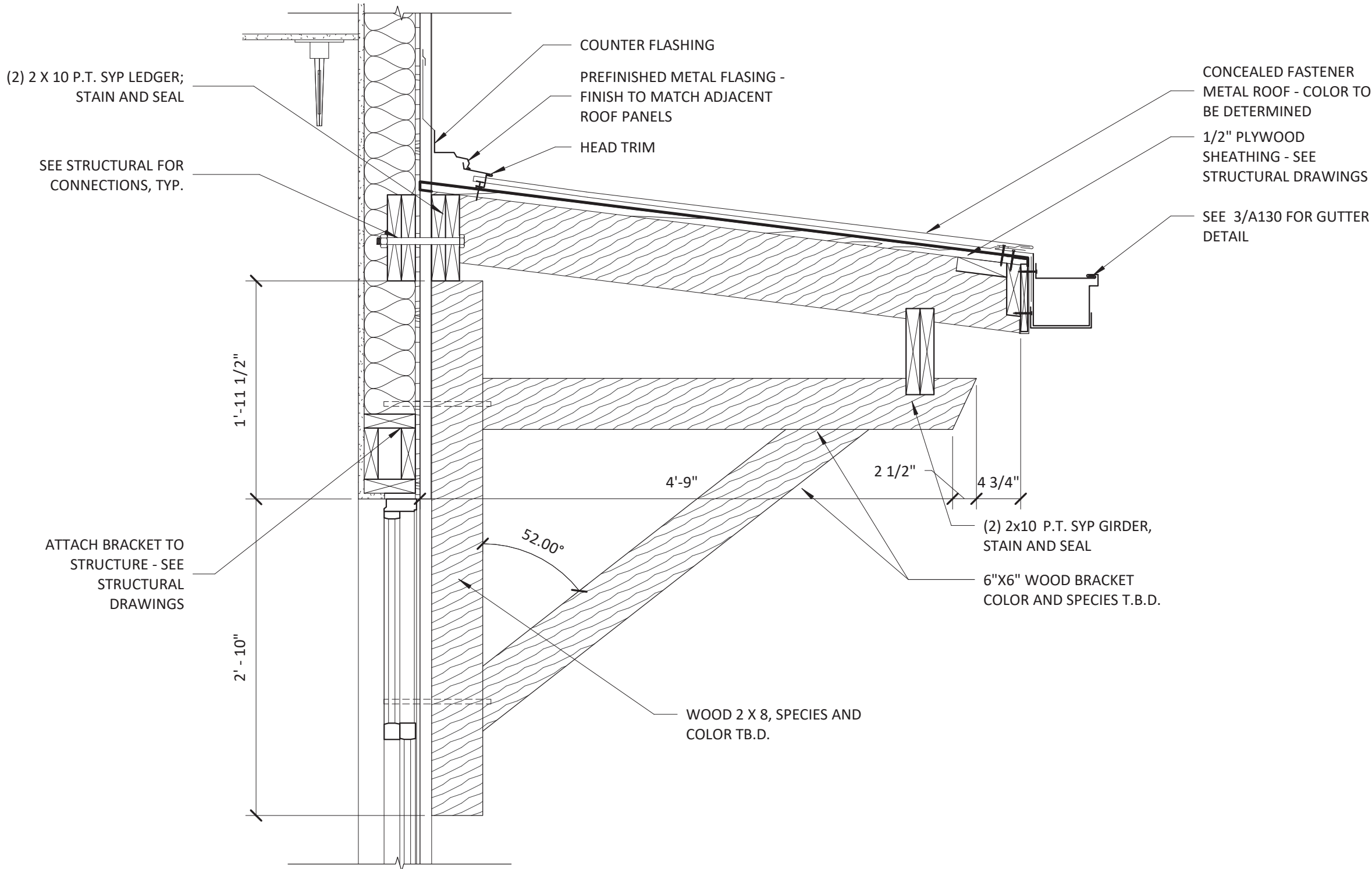


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EXTERIOR ELEVATIONS

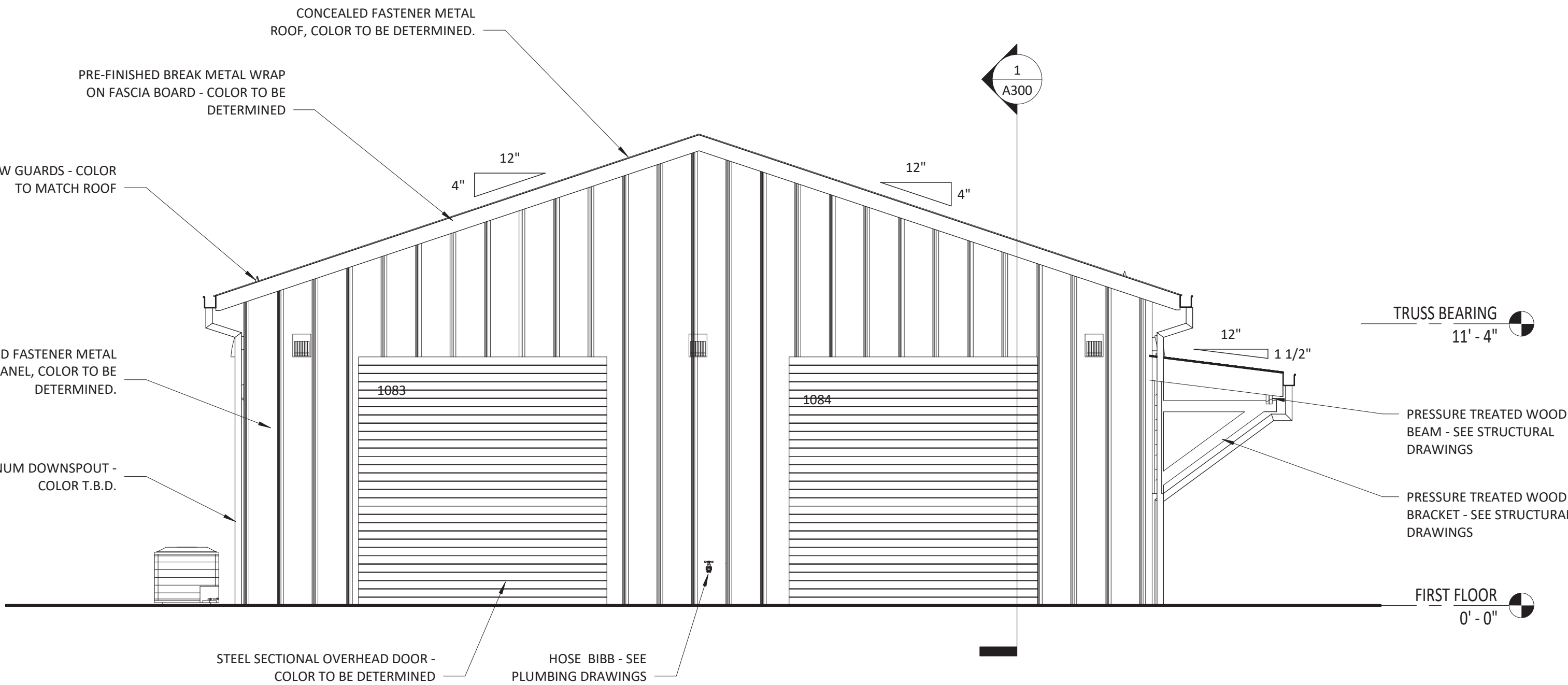
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3

ROOF BRACKET DETAIL

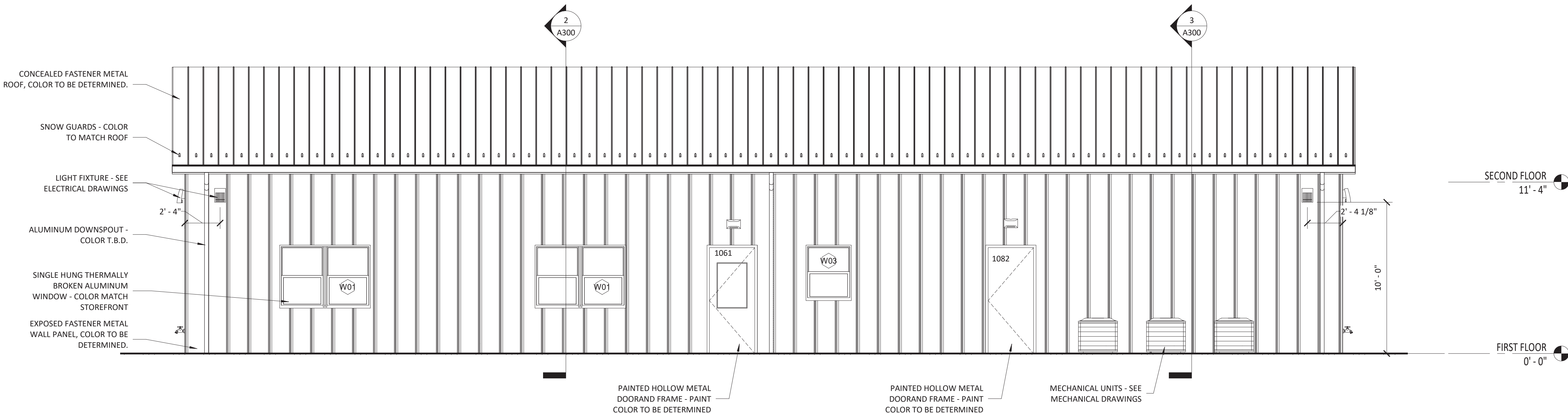
1" = 1'-0"



2

RIGHT ELEVATION

1/4" = 1'-0"



1

REAR ELEVATION

1/4" = 1'-0"

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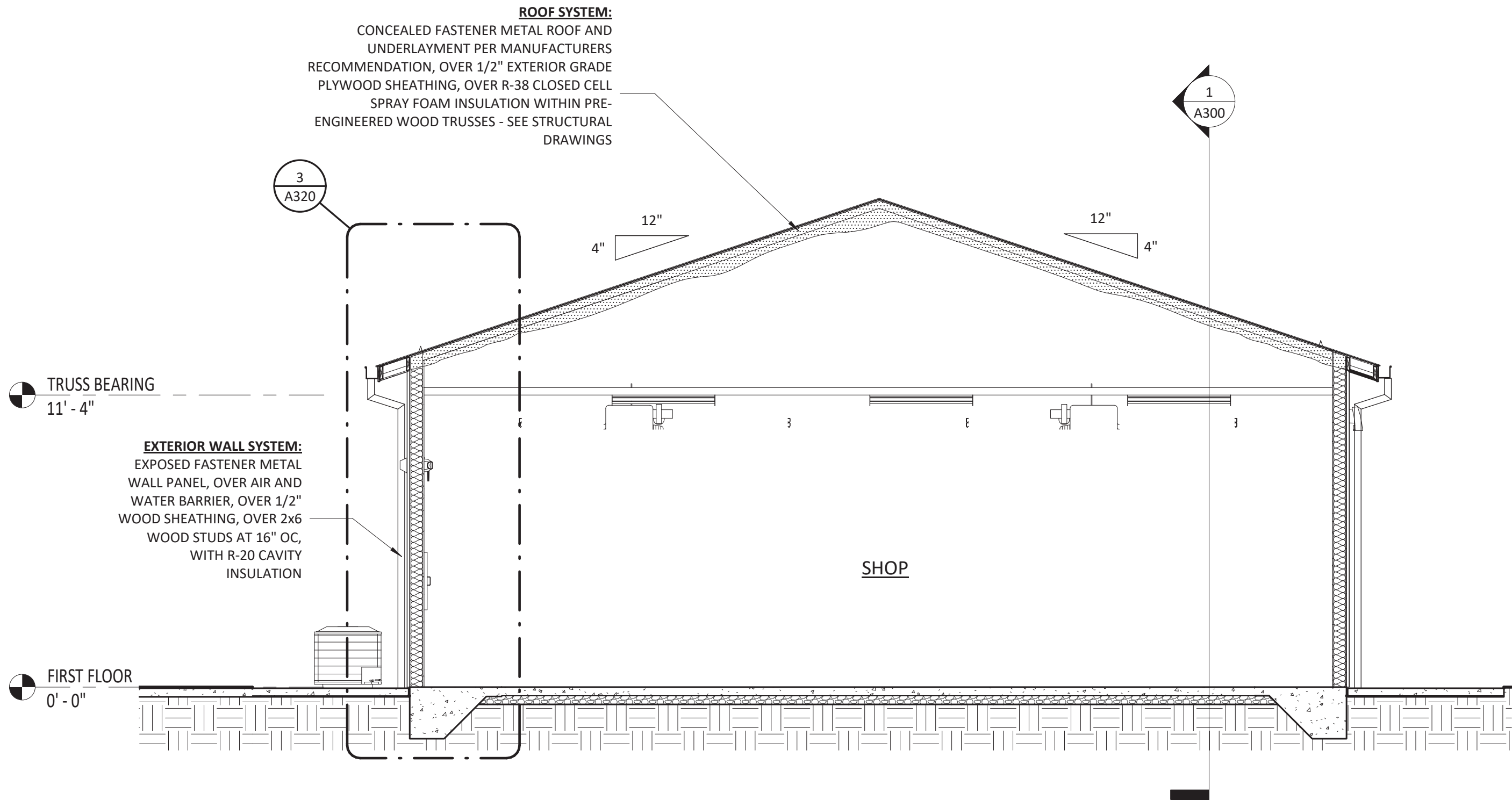
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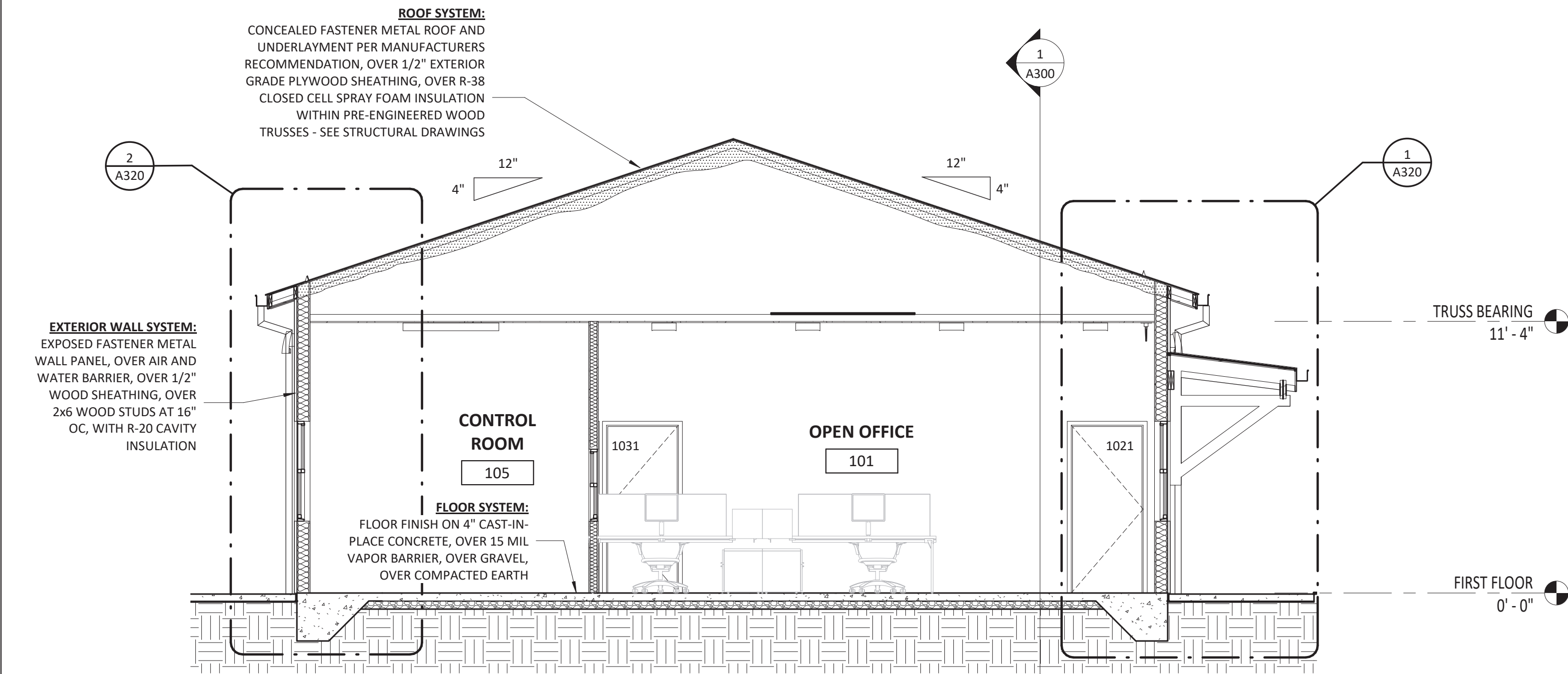
EXTERIOR ELEVATIONS

A210

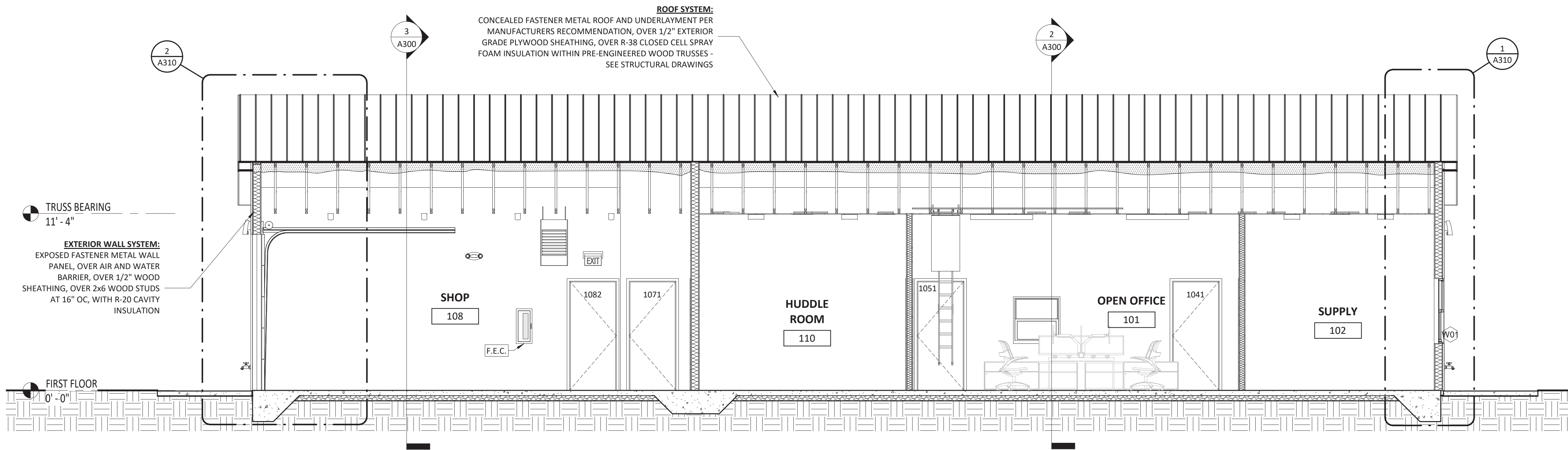
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3 BUILDING SECTION 03
1/4" = 1'-0"



2 BUILDING SECTION 02
1/4" = 1'-0"



1 BUILDING SECTION 01
1/4" = 1'-0"

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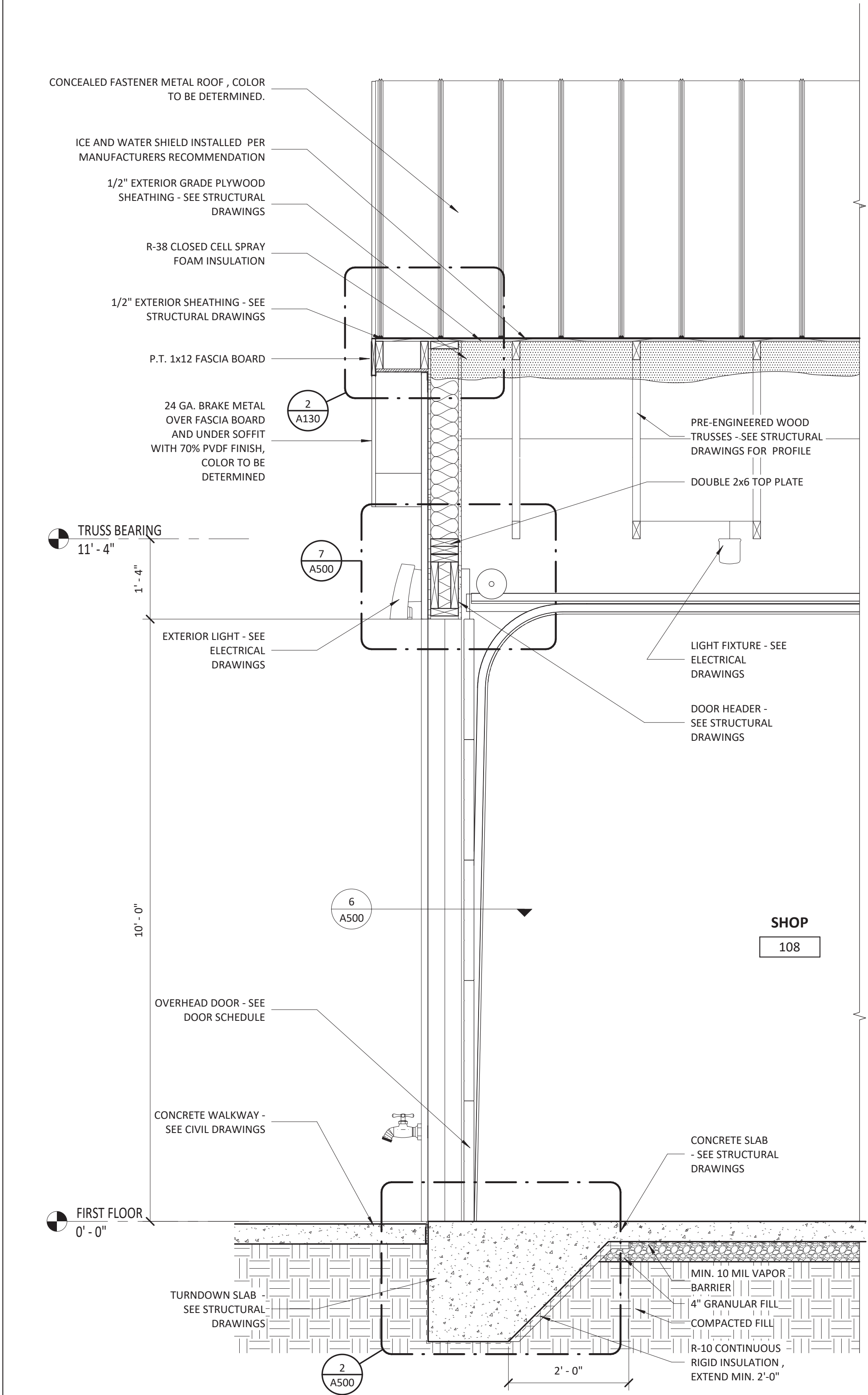
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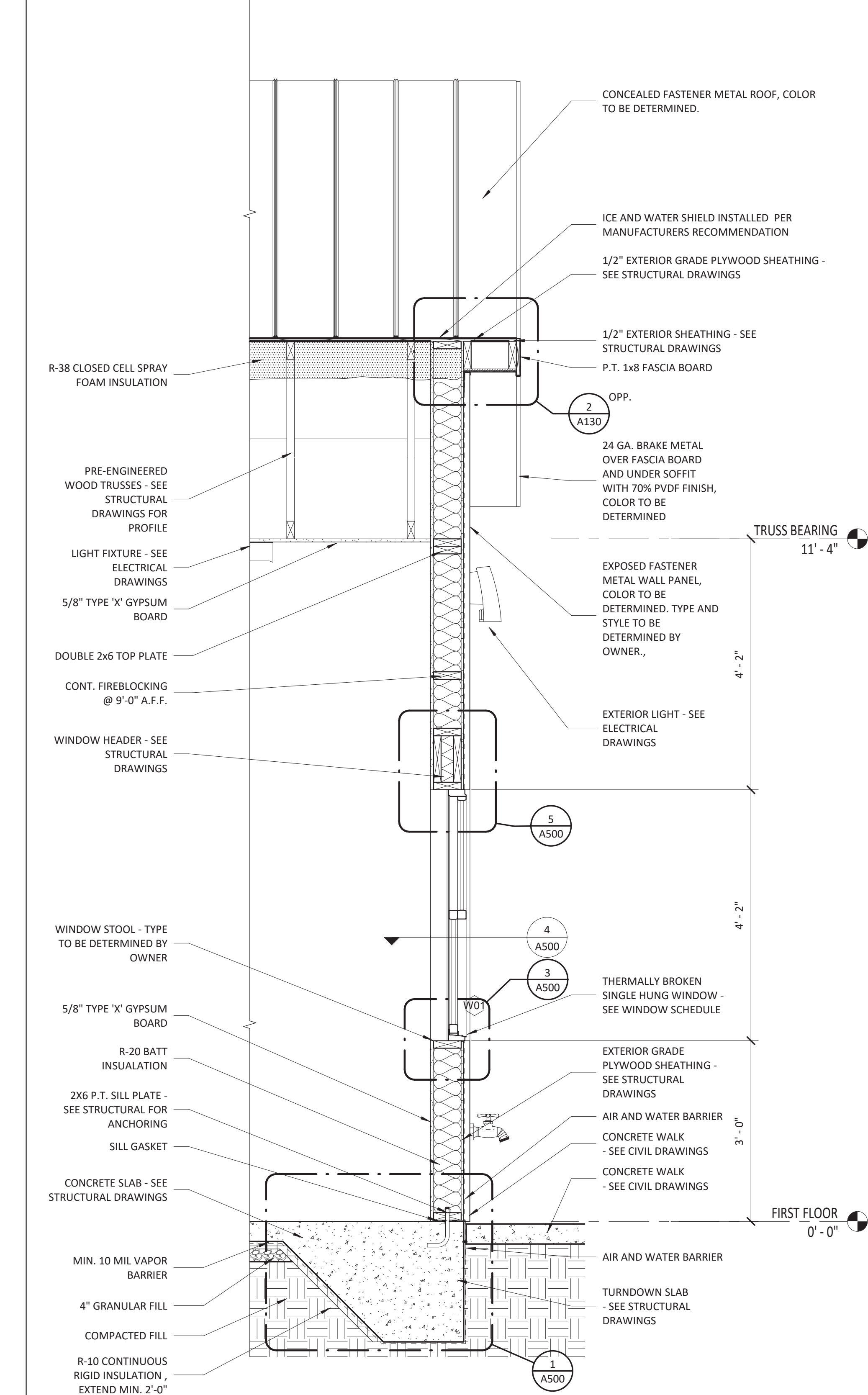
BUILDING SECTIONS

A300

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



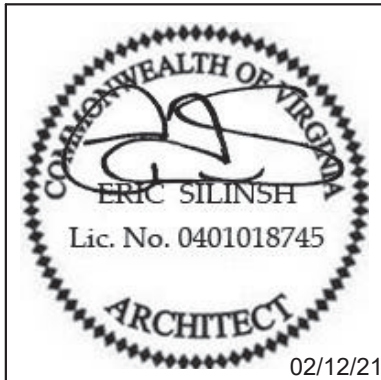
1 WALL SECTION 01
3/4" = 1'-0"

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WALL SECTIONS

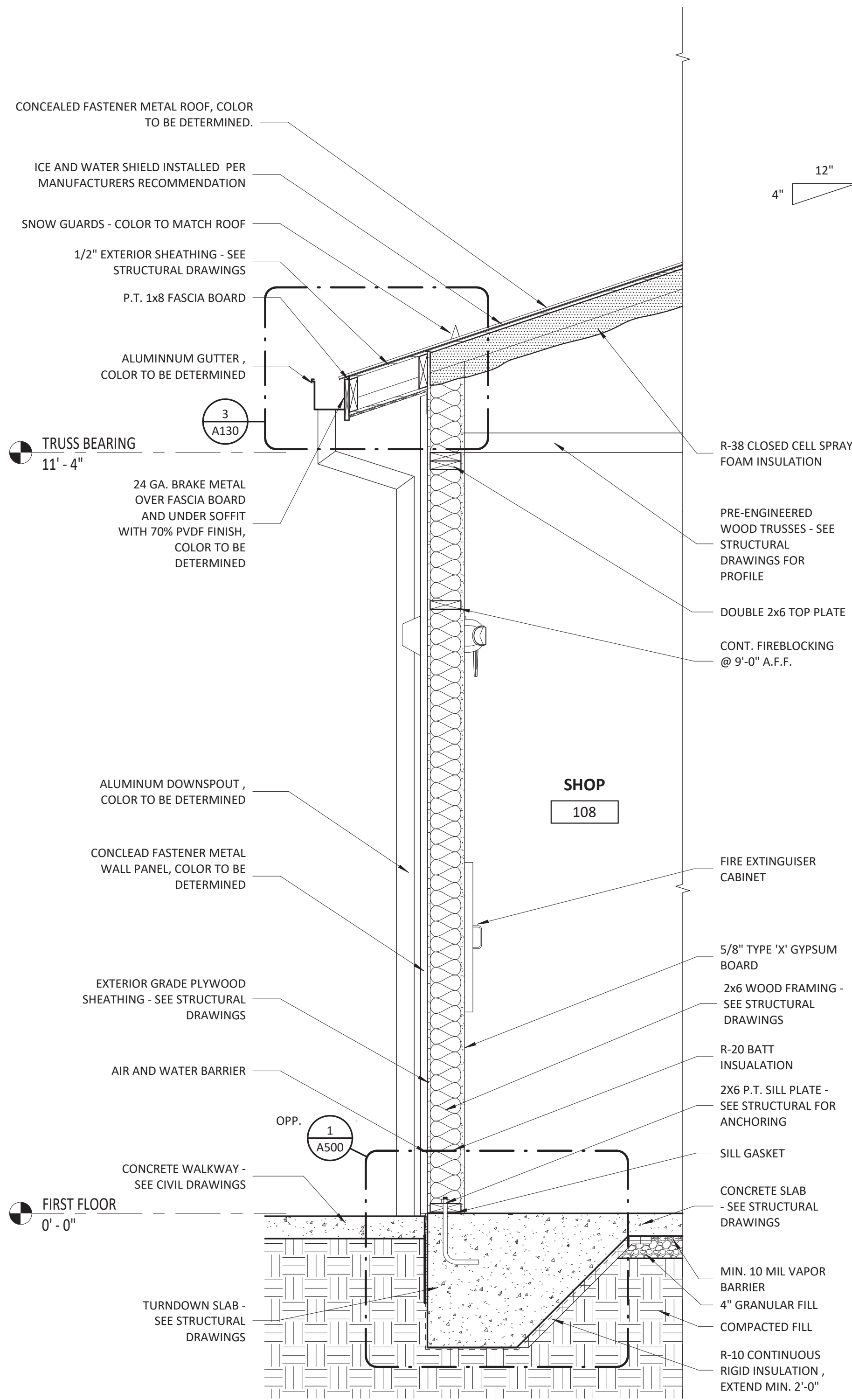
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3

WALL SECTION 05

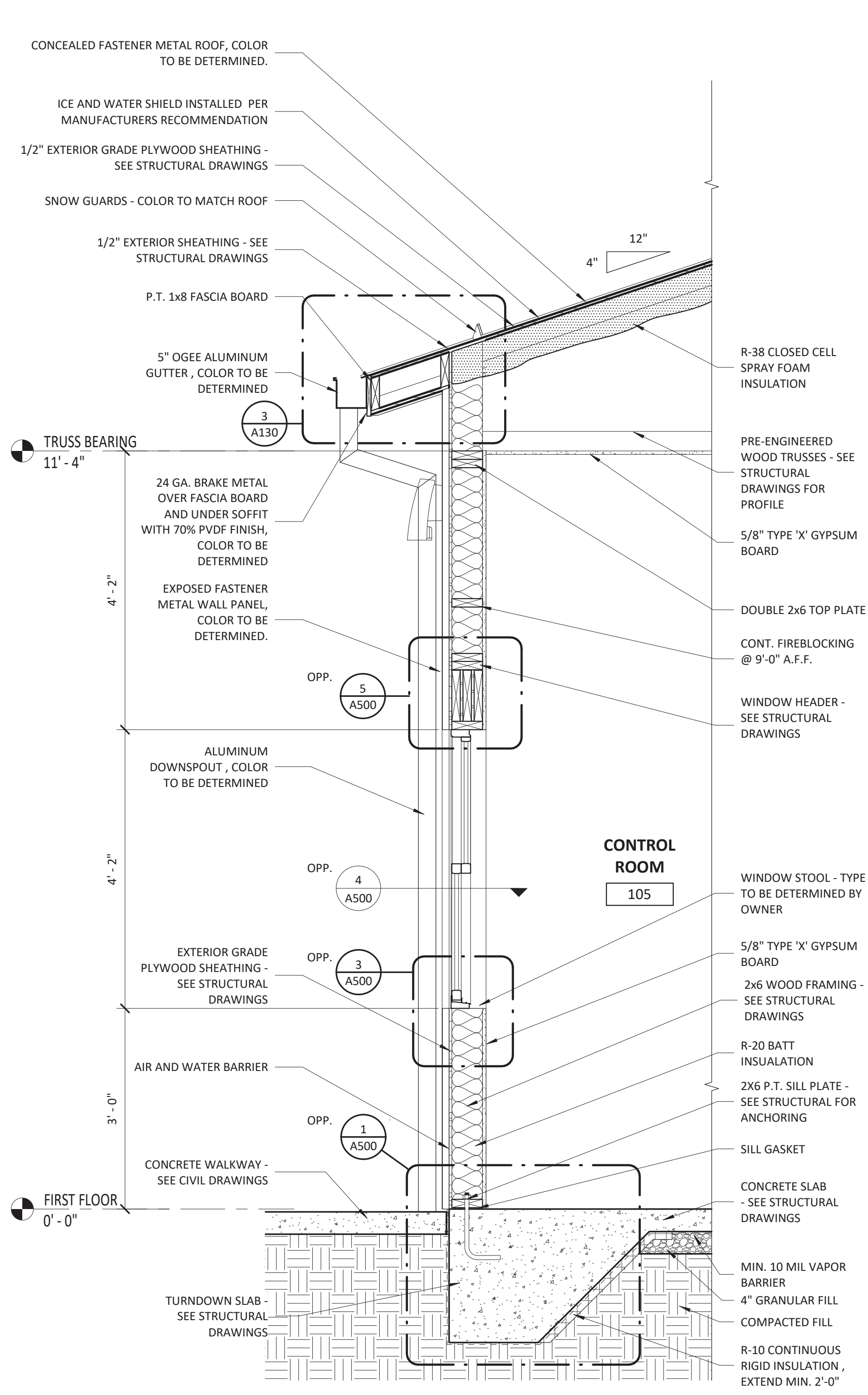
3/4" = 1'-0"



2

WALL SECTION 04

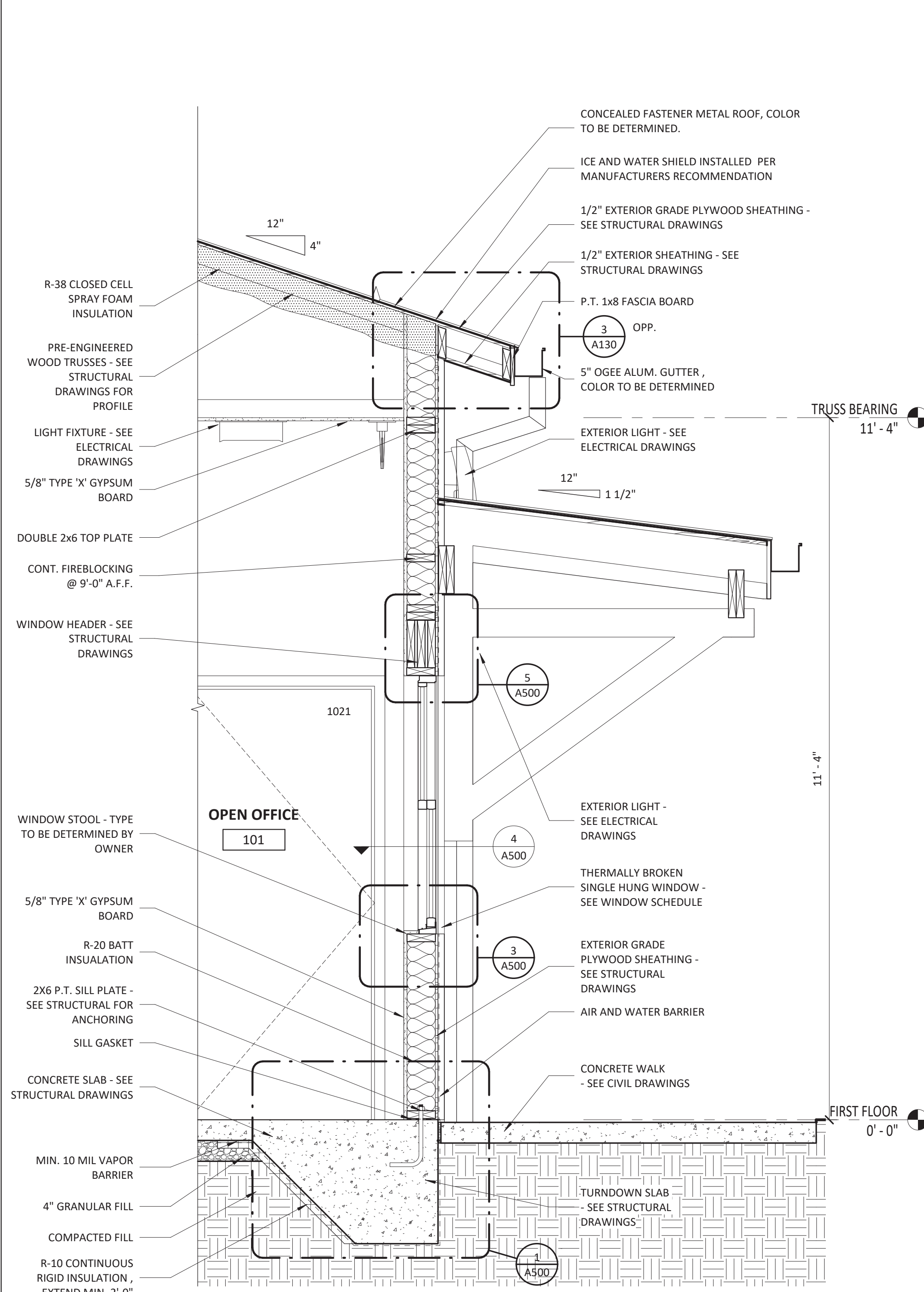
3/4" = 1'-0"



1

WALL SECTION 03

3/4" = 1'-0"



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WALL SECTIONS

A320

RESTROOM EQUIPMENT SCHEDULE					
TYPE MARK	MANUFACTURER	MODEL	DESCRIPTION	MOUNTING	COMMENTS
A	Bobrick	B-6806x18	GRAB BAR - 18"	SURFACE	
B	Bobrick	B-6806x36	GRAB BAR - 36"	SURFACE	
C	Bobrick	B-6806x42	GRAB BAR - 42"	SURFACE	

NOTE: BALANCE OF TOILET ACCESSORIES TO BE DETERMINED BY OWNER.

ADA NOTES:

1. INSIDE CLEAR DIMENSIONS SHOWN ARE AS REQUIRED TO MEET HANDICAPPED CLEARANCE CRITERIA. COORDINATE STUD/SUBSTRATE DIMENSIONS WITH WALL TYPES SHOWN ON FLOOR PLAN.
2. PROVIDE FRT WOOD BLOCKING IN WALL BEHIND ALL WALL MOUNTED TOILET ACCESSORIES & EQUIPMENT. VERIFY MOUNTING HEIGHTS OF ALL OWNER MOUNTED EQUIPMENT WITH OWNER REPRESENTATIVE.
3. GRAB BARS TO BE BOBBICK BY LENGTH INDICATED ON DRAWINGS AND TO MEET 609 OF ANSI 2010.
4. THE RESTROOM LAYOUT IS BASED ON AND COMPLIES WITH THE "AMERICAN WITH DISABILITIES ACT" LATEST REGULATIONS.

PLEASE NOTE THE FOLLOWING SECTIONS:

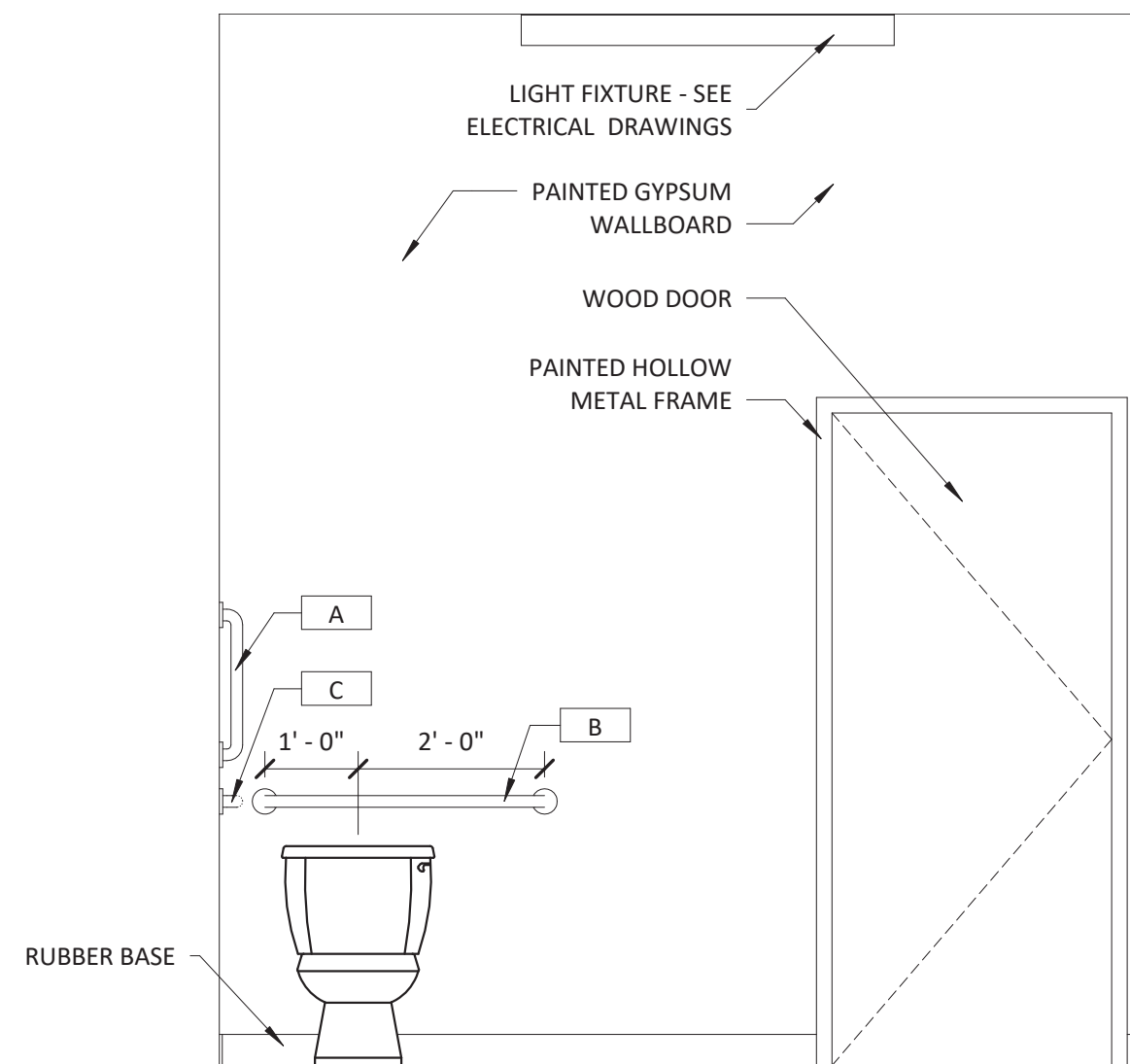
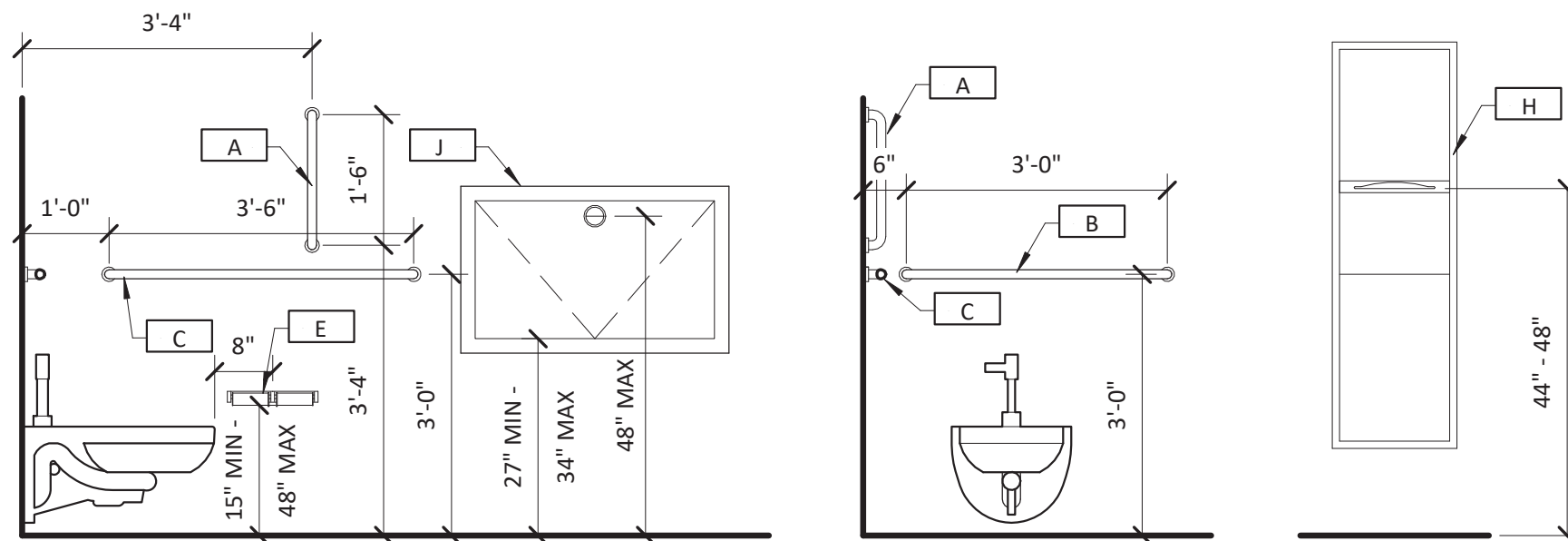
4.16.5 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC AND SHALL COMPLY WITH 4.27.4. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44" (1120mm) ABOVE THE FLOOR.

4.19.4 EXPOSED PIPES AND SURFACES. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

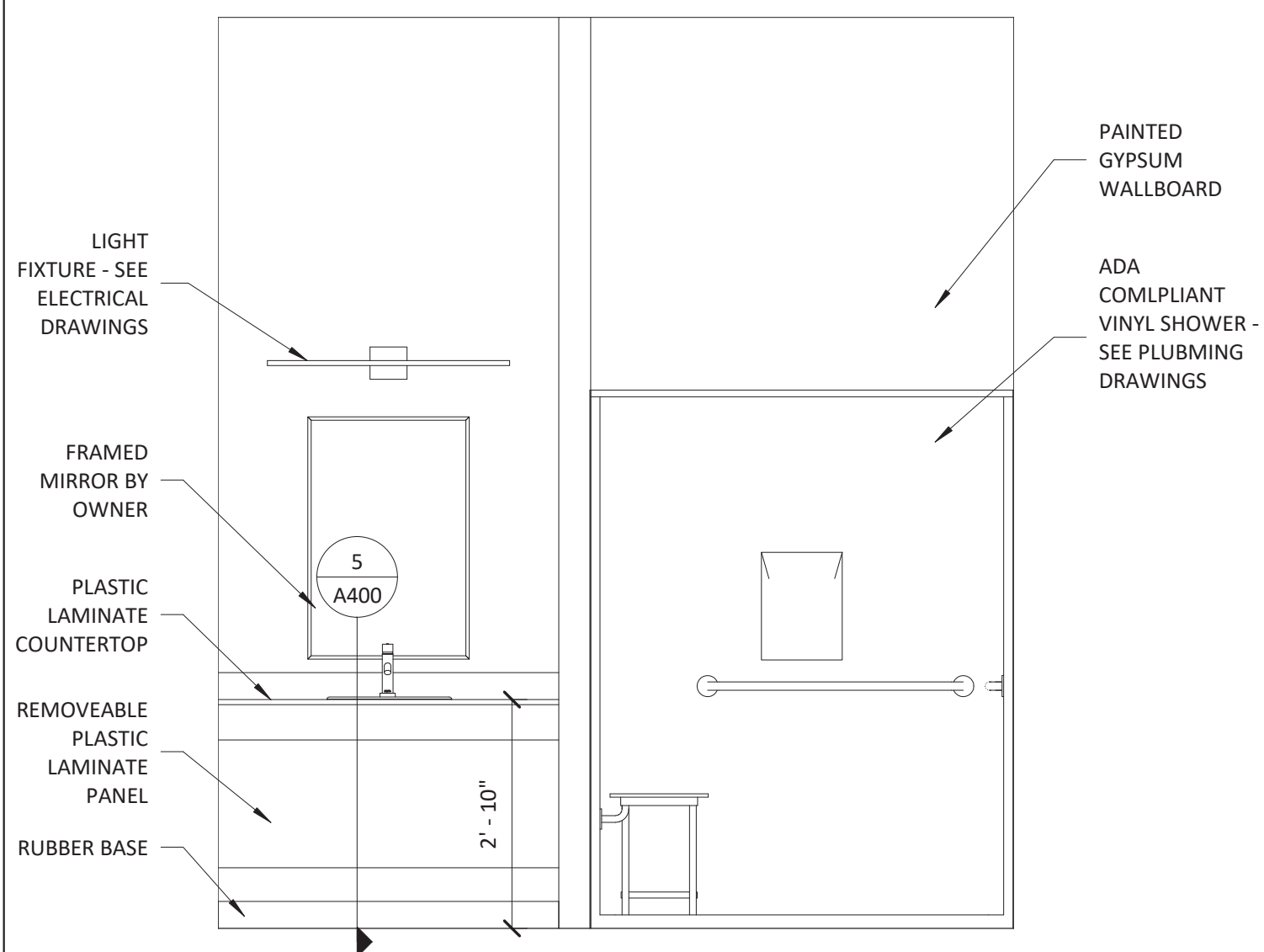
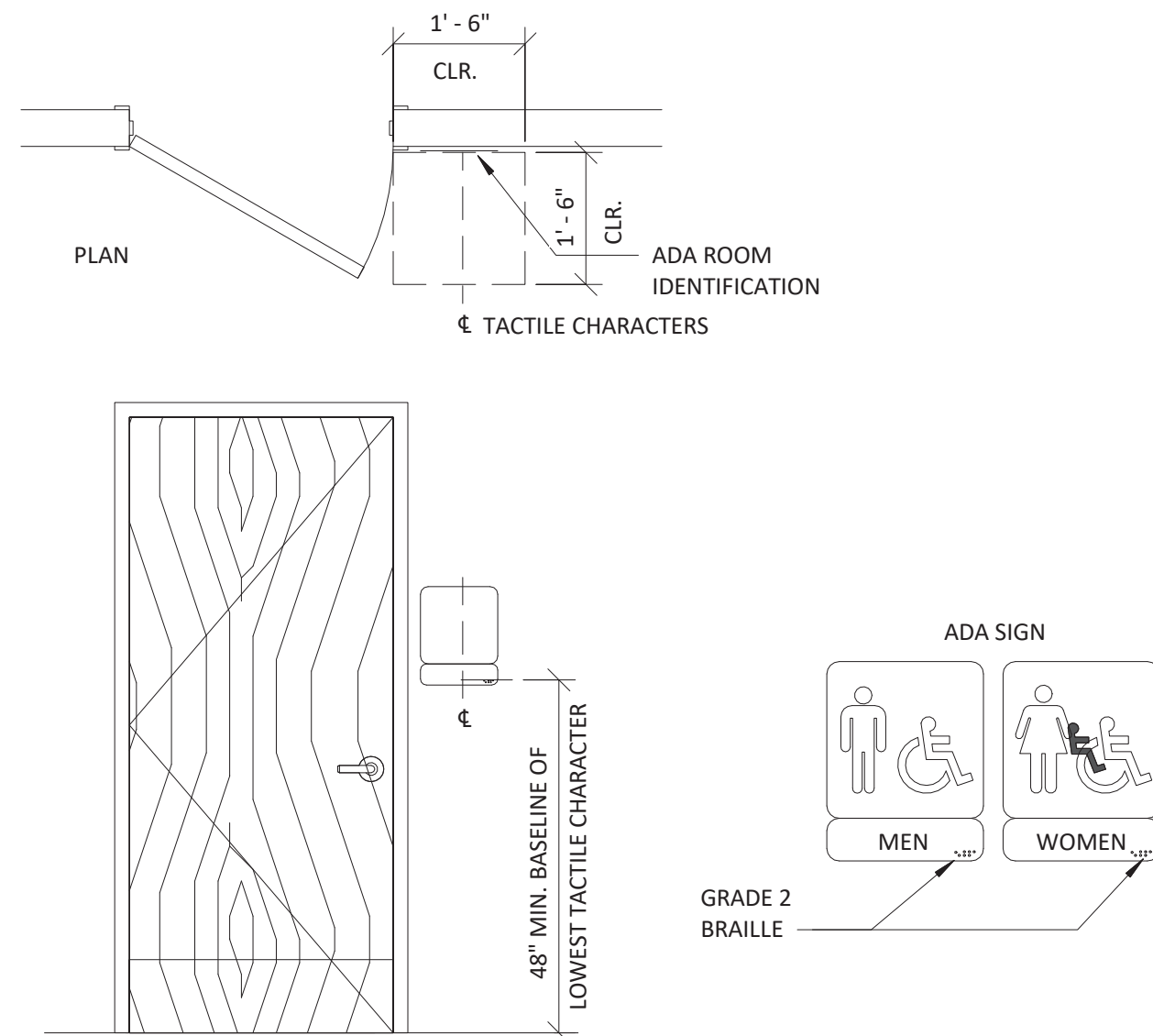
4.19.5 FAUCETS: FAUCETS SHALL COMPLY WITH 4.27.4. LEVER-OPERATED PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

4.26.2 GRAB BARS. OUTSIDE DIAMETER - MIN 1 1/4", MAX 1 1/2", SPACE BETWEEN WALL AND GRAB BAR - 1 1/2"

4.27.4 OPERATION. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF (222 N).

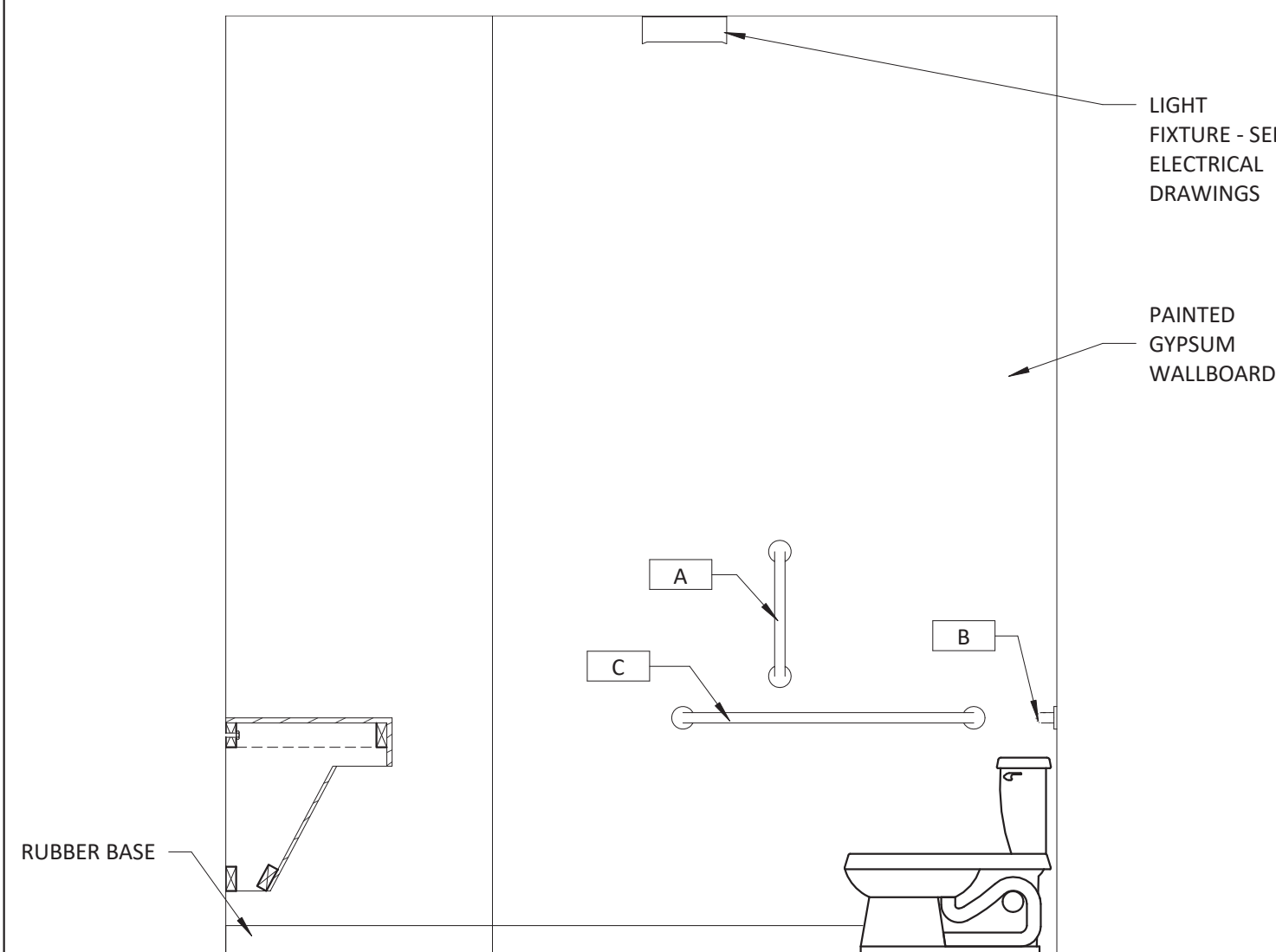


RESTROOM MOUNTING HEIGHTS

$$1/2'' = 1'-0''$$


4	RESTROOM 109 ELEVATION
---	------------------------

	$1/2'' = 1'-0''$
--	------------------

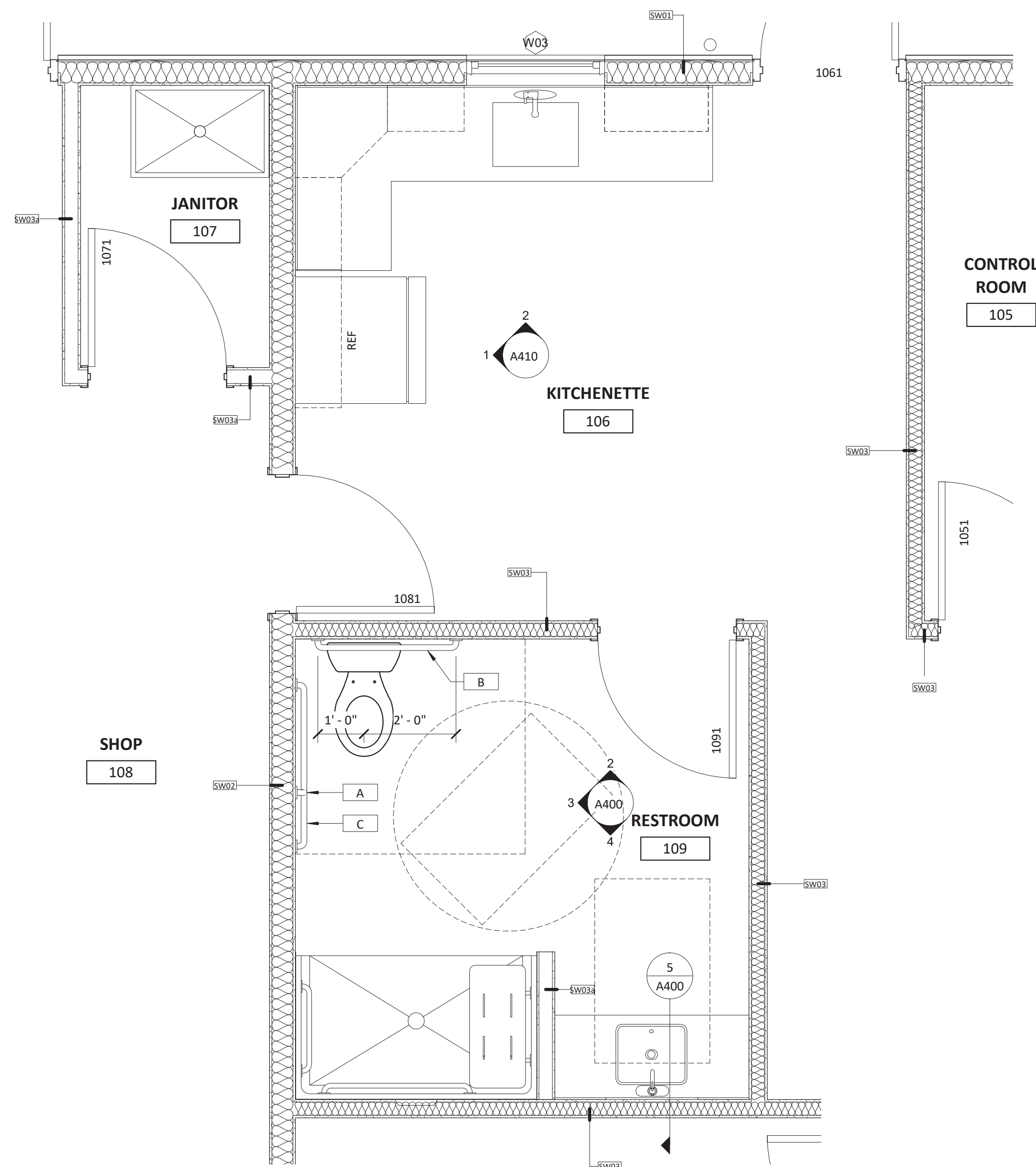


2	RESTROOM 109 ELEVATION
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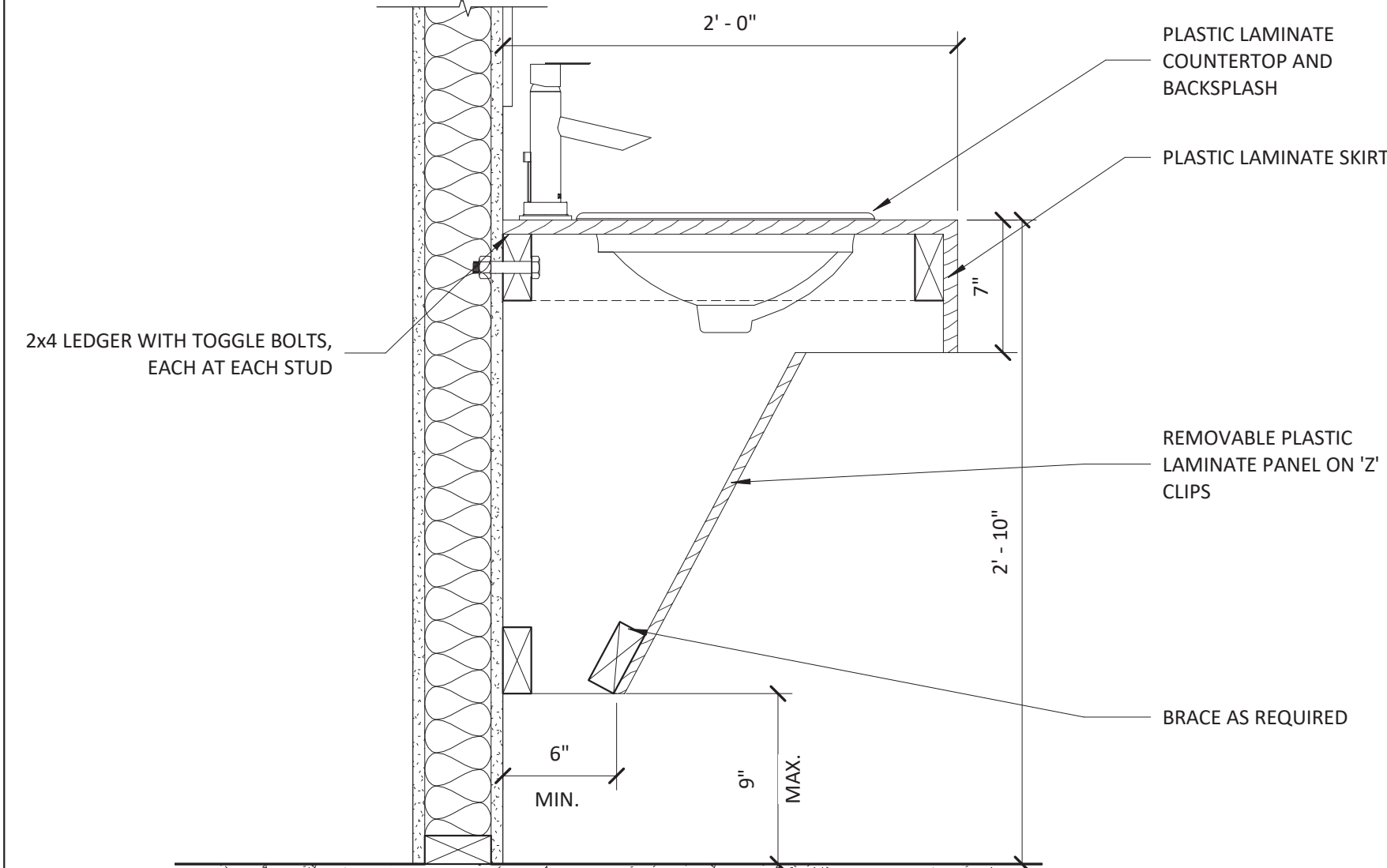
1/2"	1'-0"
------	-------

RESTROOM 109 ELEVATION

2	$1/2'' = 1'-0''$
---	------------------



ADA SIGNAGE

$$1/2'' = 1'-0''$$


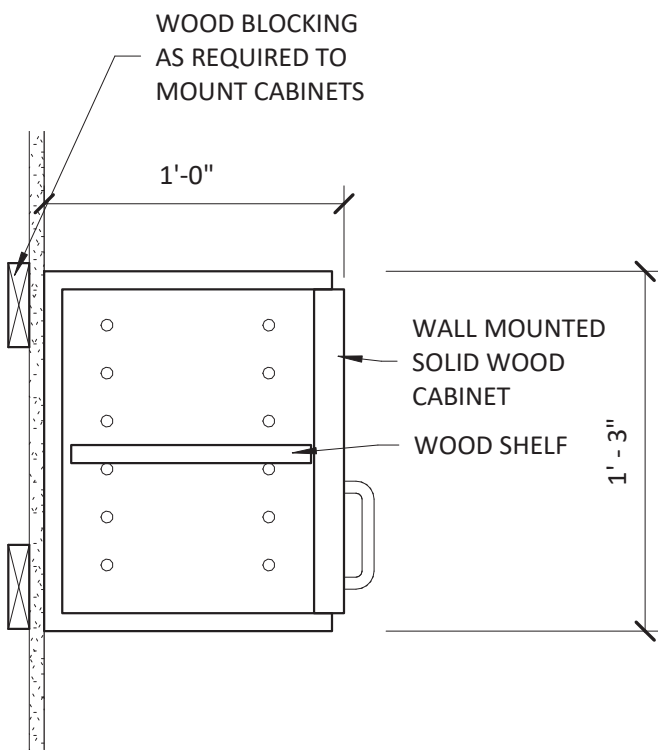
F	SECTION - BATHROOM VANITY
---	---------------------------

1 1/2" = 1'-0"

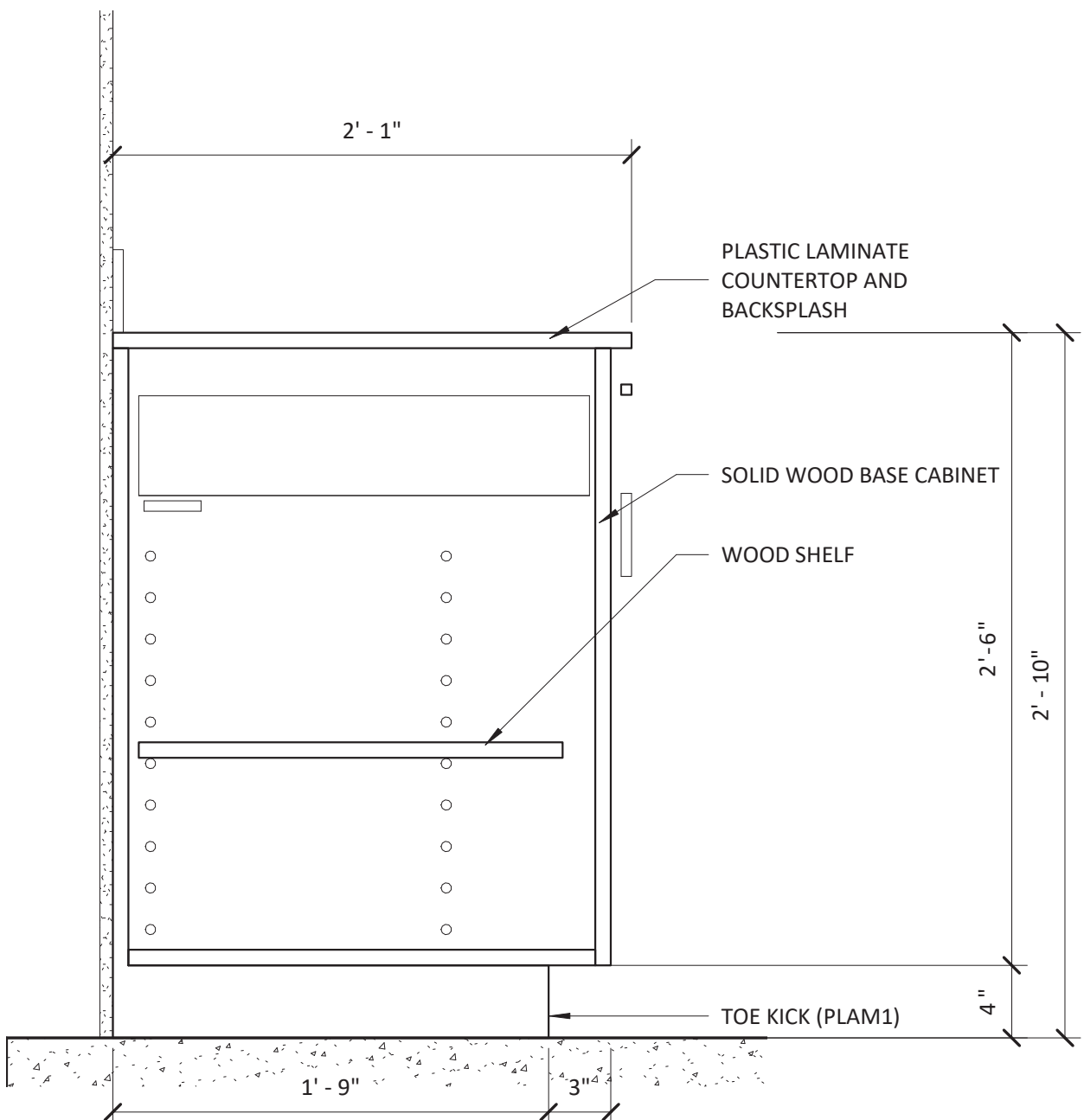
1	ENLARGED PLAN
---	---------------

1	$1/2'' = 1'-0''$
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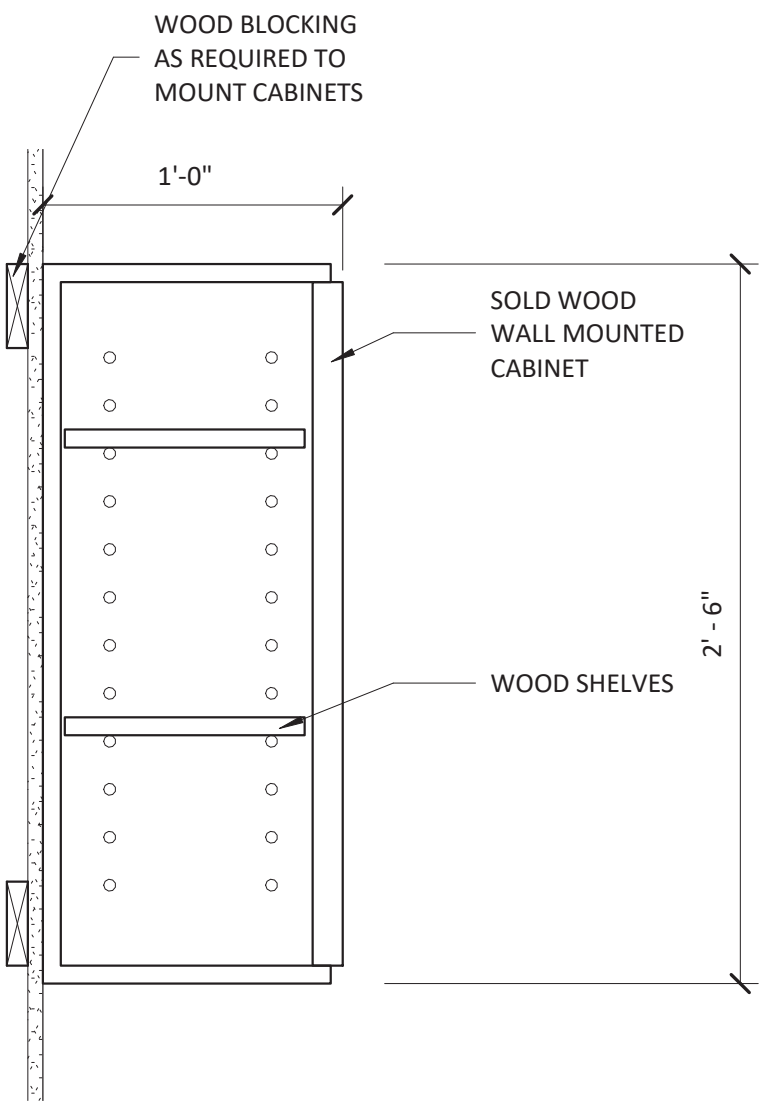
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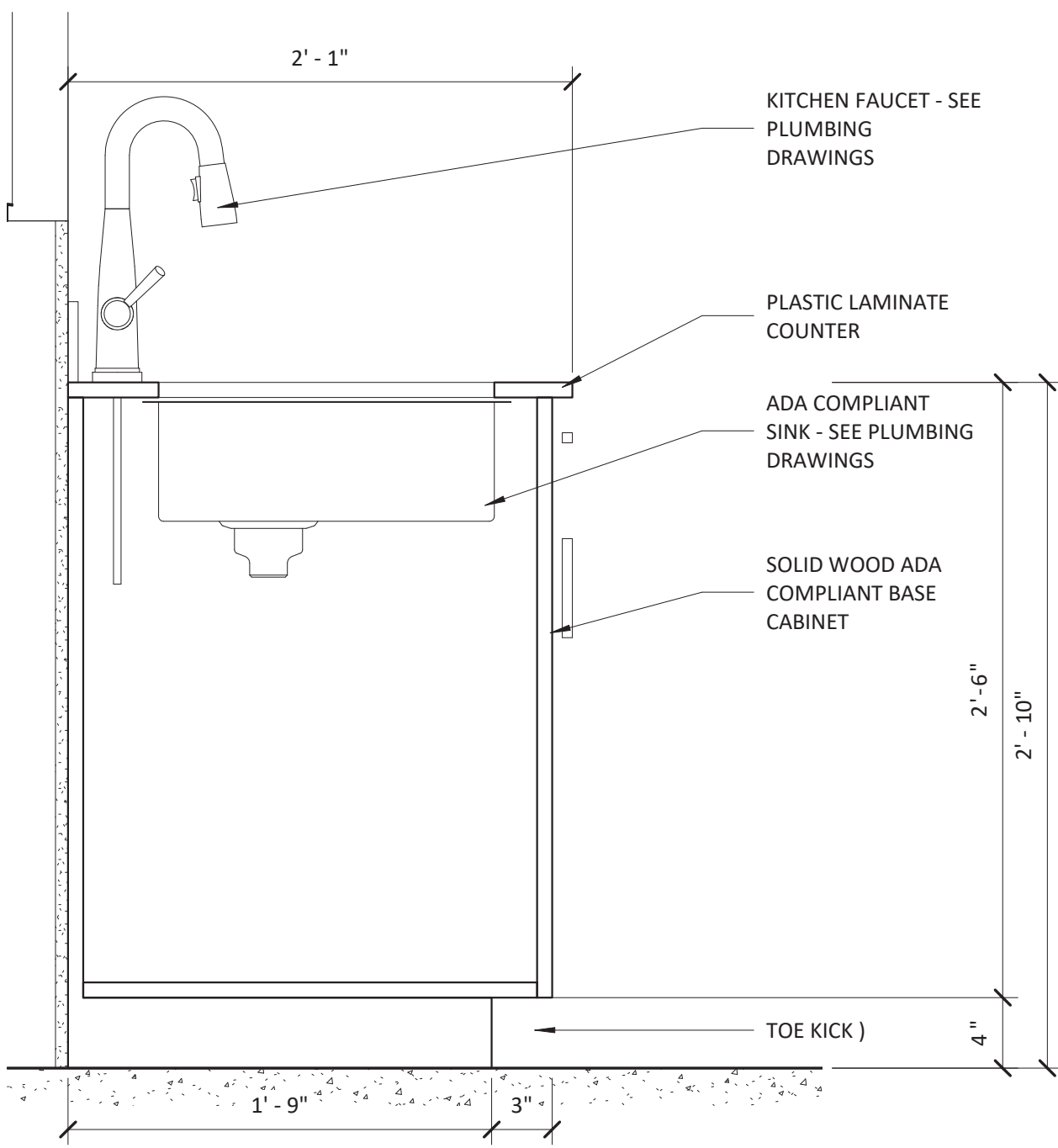
6 SECTION - SMALL UPPER CABINET
1 1/2" = 1'-0"



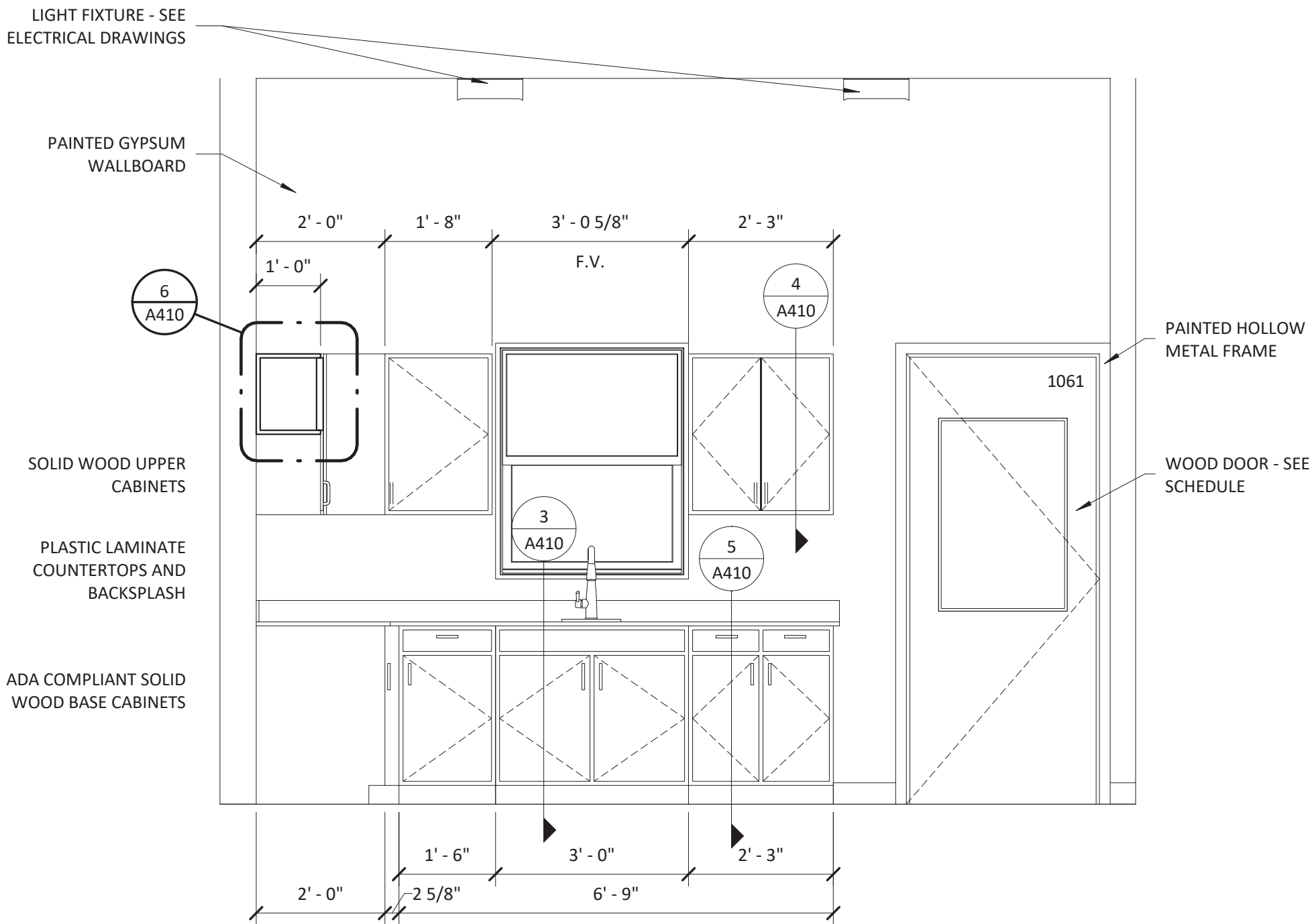
5 SECTION - BASE CABINET
1 1/2" = 1'-0"



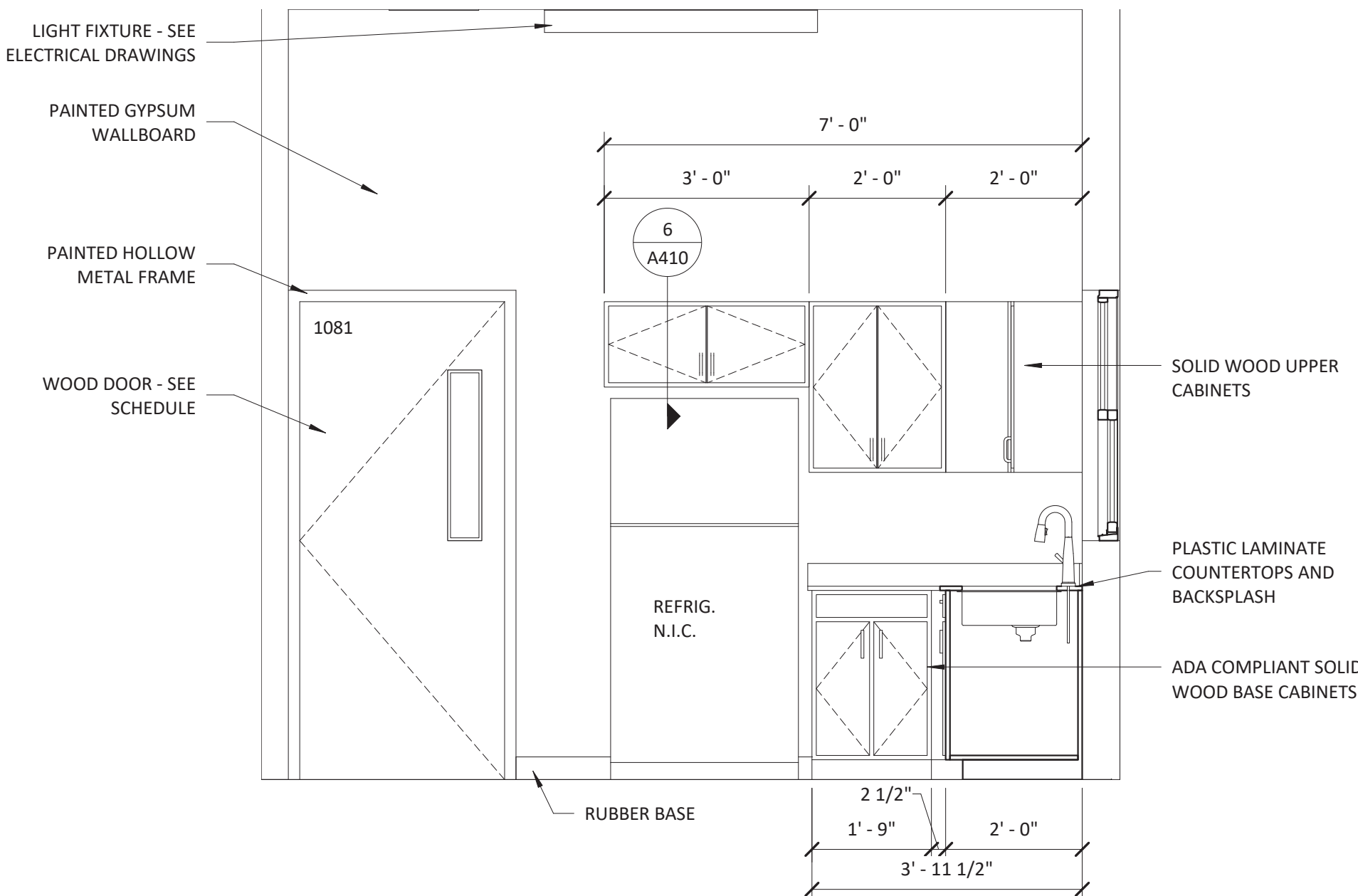
4 SECTION - UPPER CABINET
1 1/2" = 1'-0"



3 SECTION - SINK BASE CABINET
1 1/2" = 1'-0"



2 KITCHENETTE ELEVATION
1/2" = 1'-0"



1 KITCHENETTE ELEVATION
1/2" = 1'-0"

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O&M BUILDING

4220 STAGE COACH ROAD

NATHALIE, VA 24577

COMMONWEALTH OF VIRGINIA

ERIC SILINSKY

Lic. No. 0401018745

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INTERIOR ELEVATIONS AND DETAILS

BIM

ES

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A410

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8

PLAN DETAIL - OUTSIDE CORNER

3" = 1'-0"

7

HEAD DETAIL @ OVERHEAD DOOR

3" = 1'-0"

6

JAMB DETAIL - OVERHEAD DOOR

3" = 1'-0"

5

WINDOW HEAD DETAIL

3" = 1'-0"

4

JAMB DETAIL - TYPICAL WINDOW

3" = 1'-0"

3

WINDOW SILL DETAIL

3" = 1'-0"

2

SILL DETAIL @ OVERHEAD DOOR

3" = 1'-0"

1

TYPICAL SILL DETAIL

3" = 1'-0"

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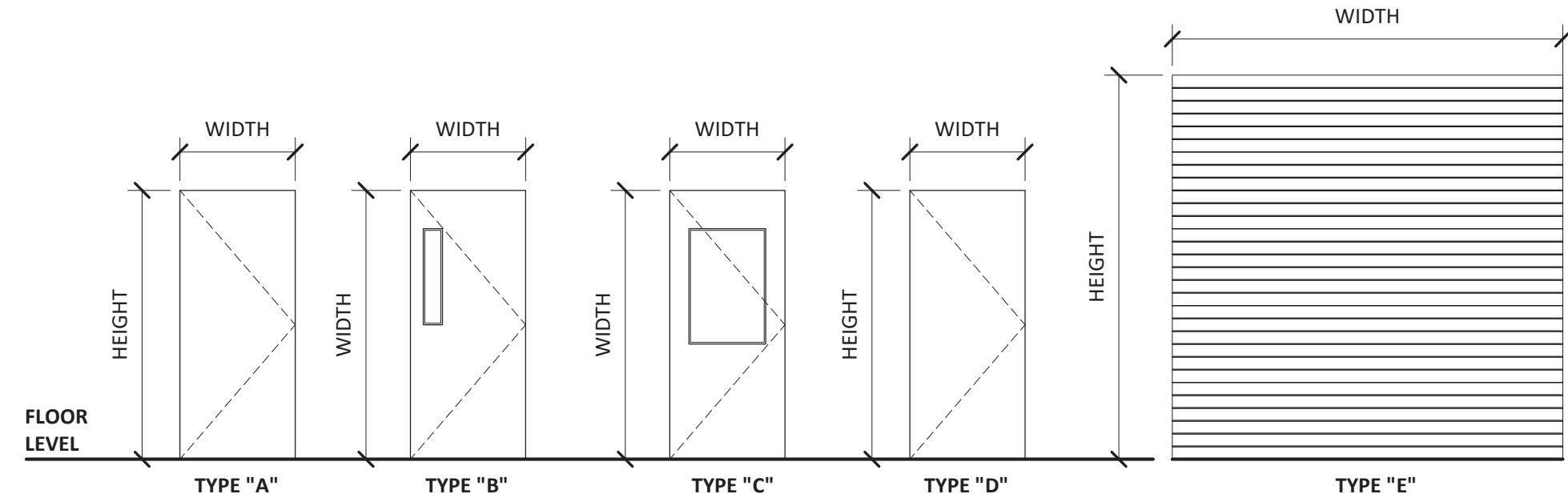
EXTERIOR DETAILS

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DOOR AND FRAME SCHEDULE															
DOOR								FRAME					LOCKSET		COMMENTS
NO.	ROOM	TYPE	MATERIAL	NOMINAL SIZE			OPERATION	TYPE	MATERIAL	DETAILS (SEE NOTES)			FUNCTION	GRADE	
				WIDTH	HEIGHT	THK				SILL	JAMB	HEAD			
1011	OPEN OFFICE	C	H.C. METAL/GLASS	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	1/A600	2/A600	3/A600	ENTRY	1	ADA COMPLIANT PANIC HARDWARE
1021	OPEN OFFICE	A	WOOD	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	4/A600	5/A600	6/A600	CLASSROOM	1	
1031	OPEN OFFICE	A	WOOD	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	4/A600	5/A600	6/A600	CLASSROOM	1	
1041	OPEN OFFICE	A	WOOD	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	4/A600	5/A600	6/A600	CLASSROOM	1	
1051	OPEN OFFICE	A	WOOD	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	4/A600	5/A600	6/A600	CLASSROOM	1	
1061	KITCHENETTE	C	H.C. METAL/GLASS	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	1/A600	2/A600	3/A600	STOREROOM	1	ADA COMPLIANT PANIC HARDWARE
1071	JANITOR	A	WOOD	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	4/A600	5/A600	6/A600	STOREROOM	1	
1081	KITCHENETTE	B	WOOD/GLASS	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	4/A600	5/A600	6/A600	ENTRY	1	ADA COMPLIANT PANIC HARDWARE
1082	SHOP	D	H.C.METAL	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	1/A600	2/A600	3/A600	ENTRY	1	ADA COMPLIANT PANIC HARDWARE
1083	SHOP	E	STEEL	10'-0"	10'-0"	2"	OVERHEAD	1	STEEL	2/A500	6/A500	7/A500		1	COORD. ELEC.OPERATOR W/OWNER
1084	SHOP	E	STEEL	10'-0"	10'-0"	2"	OVERHEAD	1	STEEL	2/A500	6/A500	6/A600		1	COORD. ELEC.OPERATOR W/OWNER
1091	KITCHENETTE	A	WOOD	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	4/A600	5/A600	6/A600	PRIVACY	1	
1101	OPEN OFFICE	A	WOOD	3'-0"	7'-0"	1 3/4"	SWING	1	H.C. METAL	4/A600	5/A600	6/A600	CLASSROOM	1	



DOOR TYPE LEGEND

WINDOW SCHEDULE							
MARK	NOMINAL SIZE		MATERIAL	FRAME			QTY
	WIDTH	HEIGHT		DETAILS (SEE NOTES)			
				SILL	JAMB	HEAD	
W01	6' - 0 1/2"	4' - 2 1/2"	VINYL	3/A500	4/A500	5/A500	7
W02	9' - 0 1/2"	4' - 2 1/2"	VINYL	3/A500	4/A500	5/A500	1
W03	3' - 0 1/2"	3' - 8 1/2"	VINYL	3/A500	4/A500	5/A500	1
W04	3' - 0 1/2"	3' - 0 1/2"	VINYL	3/A500	4/A500	5/A500	1

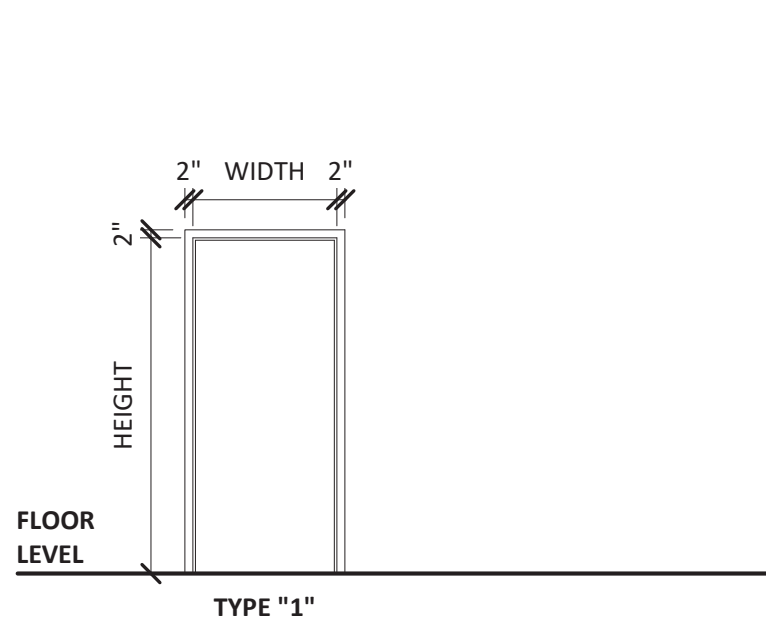
GENERAL NOTES:

- SEE WALL SECTIONS FOR SILL HEIGHT
- ALL WINDOWS SHALL BE THERMALLY BROKEN, ATRIUM SERIES 130 SINGLE HUNG WITH J-CHANNEL AND NAIL FIN. EXTERIOR COLOR TO BE DETERMINED. INTERIOR COLOR SHALL BE WHITE.
- VERIFY LOCATION OF WINDOWS WITH FLOOR PLANS AND ELEVATIONS

GLASS NOTES:

- ALL GLASS SHALL BE CLEAR, LOW-E INSULATING GLASS
- PROVIDE TEMPERED GLASS AS REQUIRED BY VIRGINIA CONSTRUCTION CODE SEE EXTERIOR ELEVATIONS FOR LOCATION.

DOOR FRAME LEGEND

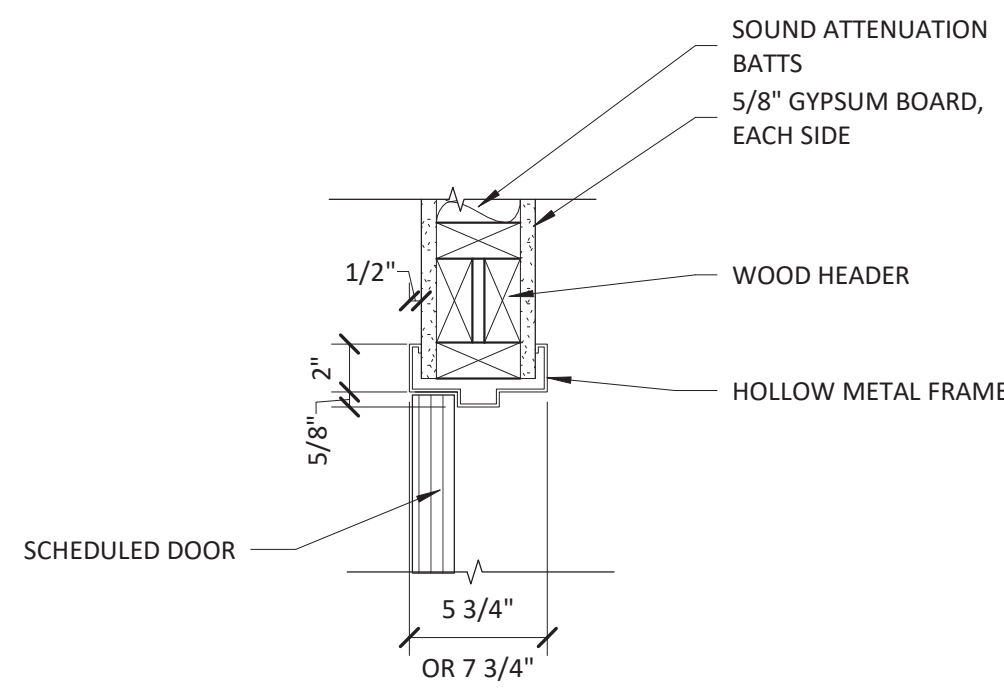


DOOR NOTES

- HARDWARE SET REPRESENTS THE DESIGN INTENT AND DIRECTION OF THE OWNER AND ARCHITECT. THEY ARE GUIDELINES ONLY AND SHOULD NOT BE CONSIDERED A DETAILED HARDWARE SCHEDULE.
- DISCREPANCIES, CONFLICTING HARDWARE AND MISSING ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE BIDDING PROCESS.
- OMITTED ITEMS NOT INCLUDED IN THE HARDWARE SET SHOULD BE SCHEDULED WITH THE APPROPRIATE ADDITIONAL HARDWARE REQUIRED FOR PROPER APPLICATION, INSTALLATION AND FUNCTIONALITY.
- ALL EXTERIOR DOORS AND WINDOWS TO BE INSULATED GLASS, NON-TINTED.
- ALL DOORS SERVING A MEANS OF EGRESS SHALL COMPLY TO SECTION 1010 OF THE 2015 VIRGINIA CONSTRUCTION CODE.
- THE MAIN EXTERIOR DOOR LOCKS SHALL BE IN ACCORDANCE WITH PARAGRAPH 1010.1.10 OF THE 2015 VIRGINIA CONSTRUCTION CODE.
- DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE BY CHAPTER 11 OF THE 2015 VIRGINIA CONSTRUCTION CODE SHALL NOT BE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.
- ALL DOOR HARDWARE TO BE MOUNTED AT A HEIGHT IN ACCORDANCE WITH PARAGRAPH 1010.1.9.2.
- ALL INTERIOR EGRESS DOORS TO COMPLY WITH SECTION 1010.1.3 DOOR OPENING FORCE.
- SEE ELEVATIONS FOR EXTENT OF TEMPERED GLASS. USE TEMPERED, LAMINATED, OR OTHER SAFETY GLASS APPROVED FOR HAZARDOUS LOCATIONS IN ACCORDANCE TO 2015 VIRGINIA CONSTRUCTION CODE SECTION 2406.
- EXTERIOR GRADE SILICONE BUILDING SEALANT IS TO BE USED AT JOINTS BETWEEN DIFFERENT BUILDING MATERIALS. SEALANT IS TO COMPLY WITH ASTM D412, ASTM C794, ASTM C1135, ASTM C719, AND ASTM C1248. SEALANT IS TO BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REVIEW WITH ARCHITECT PRIOR TO INSTALLATION.

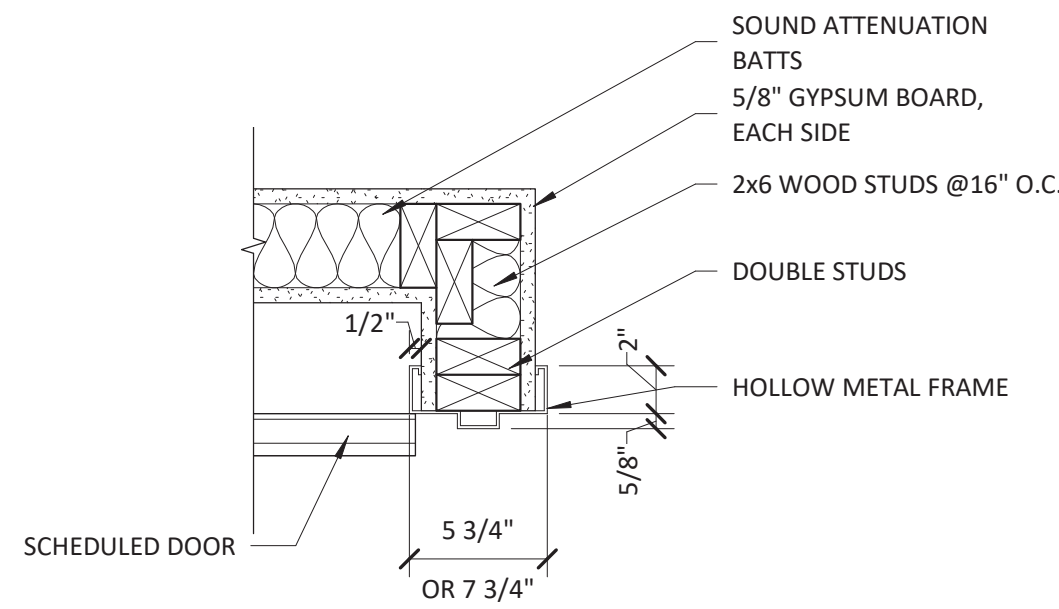
DOOR SYMBOL LEGEND

DESIGNATION	REFERENCE
	FLOOR NUMBER ROOM NUMBER DOOR NUMBER WITHIN ROOM



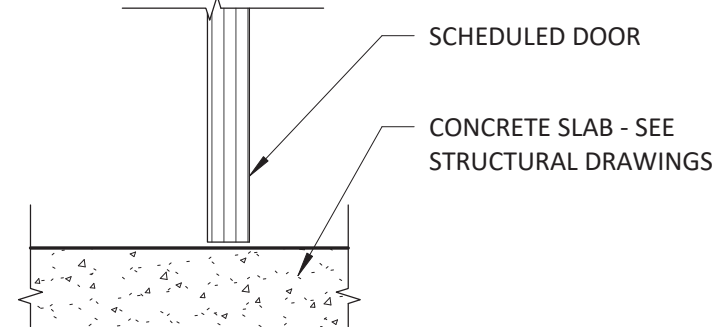
6 DOOR HEAD DETAIL

1 1/2" = 1'-0"



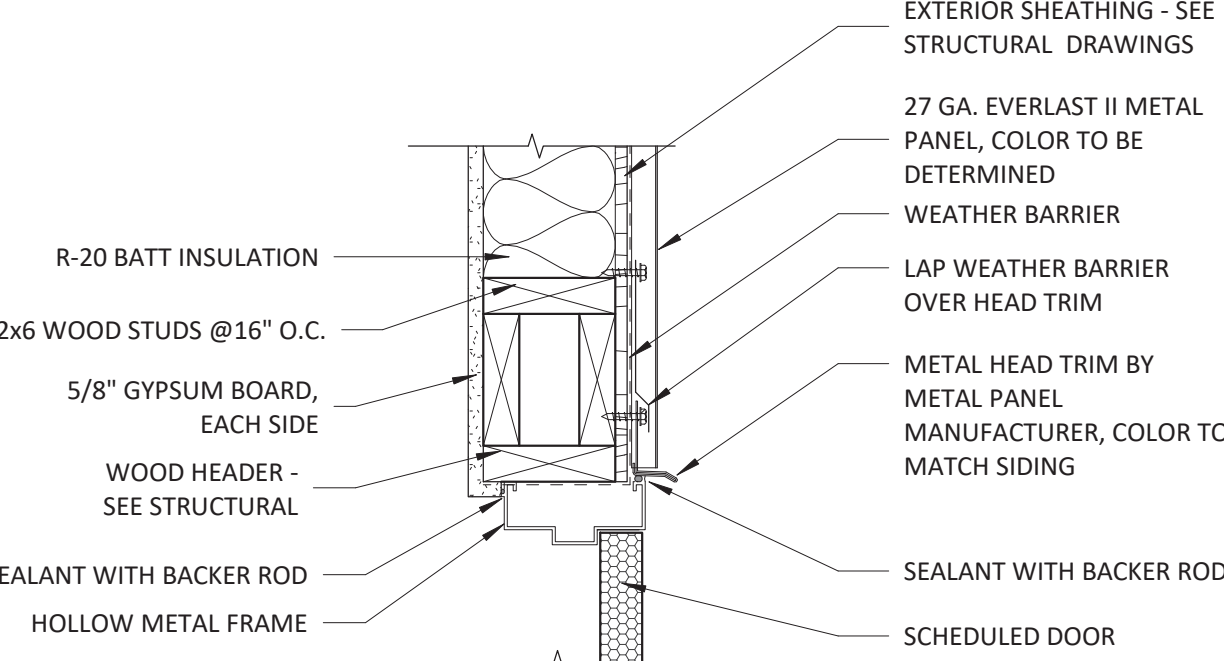
5 DOOR JAMB DETAIL

1 1/2" = 1'-0"



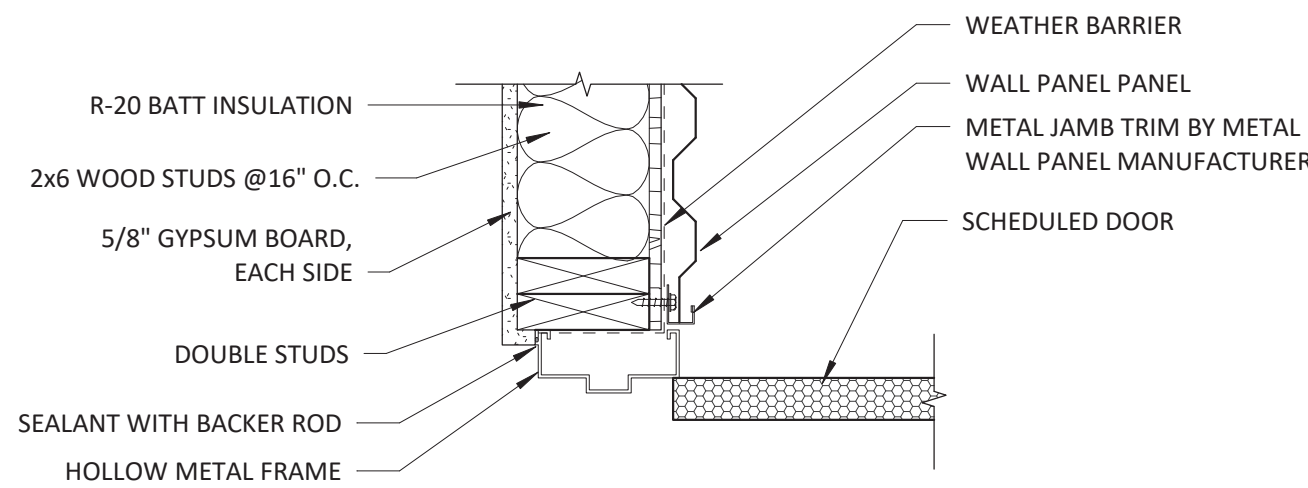
4 DOOR SILL DETAIL

1 1/2" = 1'-0"



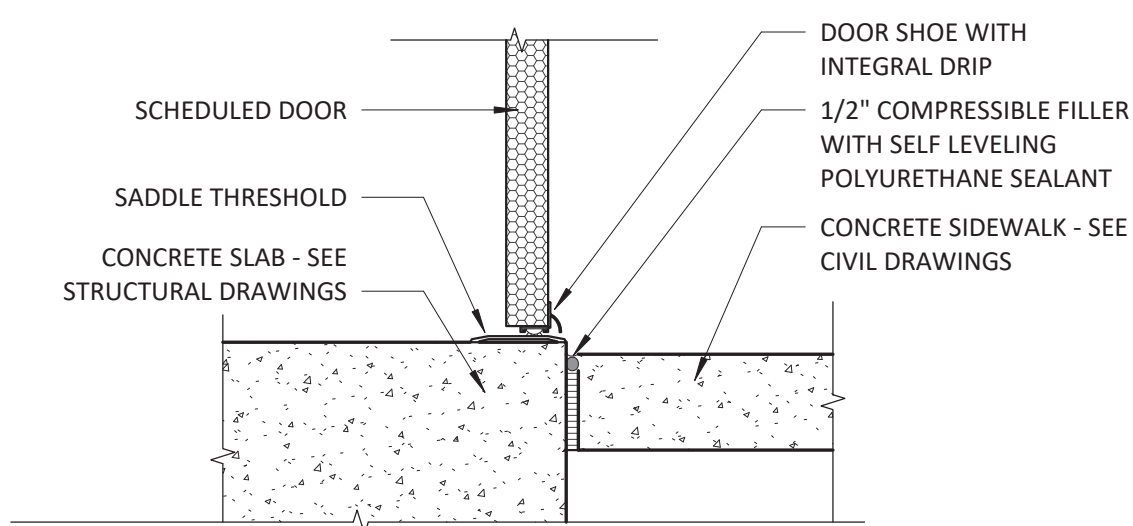
3 EXTERIOR DOOR HEAD DETAIL

1 1/2" = 1'-0"



2 EXTERIOR DOOR JAMB DETAIL

1 1/2" = 1'-0"



1 EXTERIOR DOOR SILL DETAIL

1 1/2" = 1'-0"

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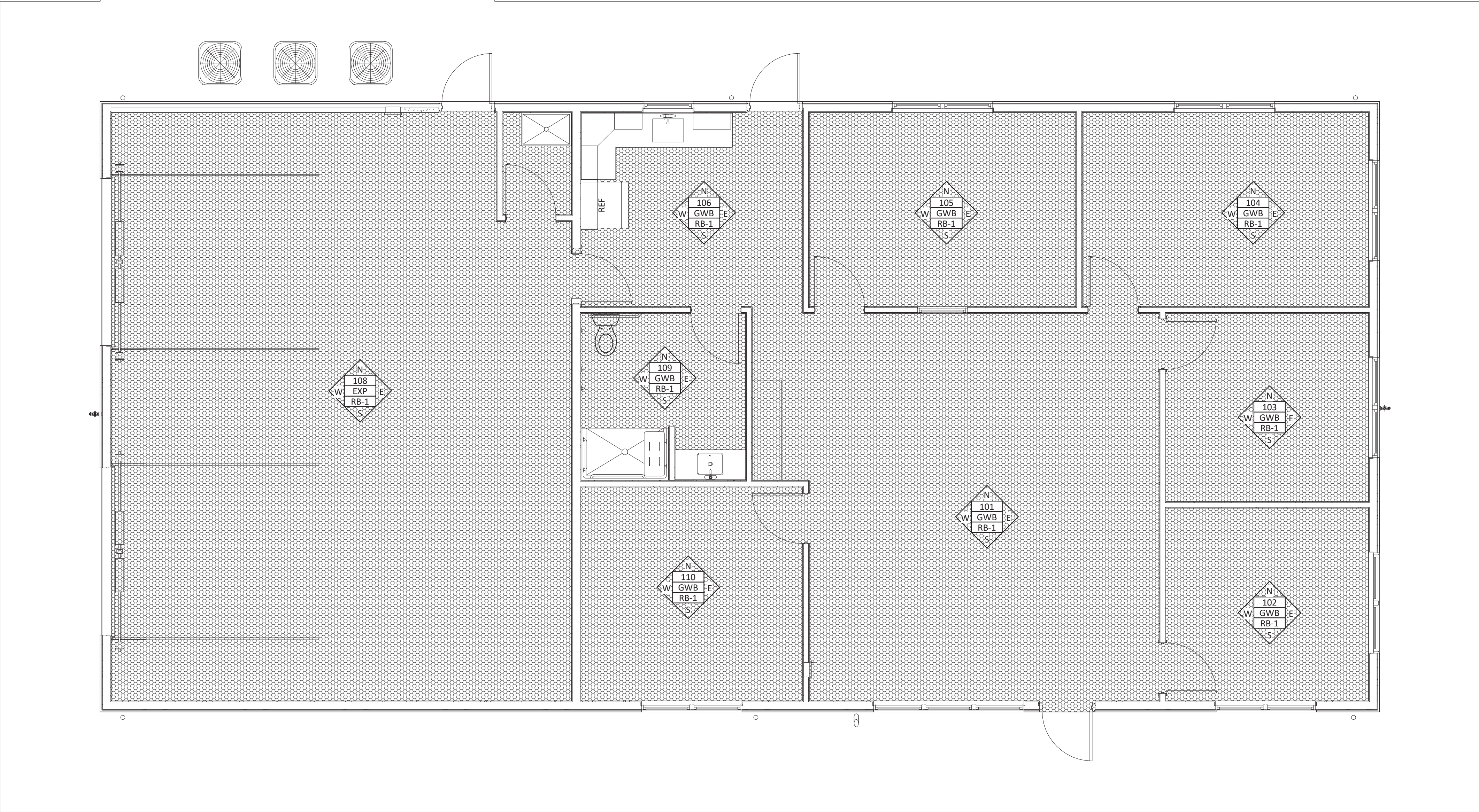
DOOR AND WINDOW
SCHEDULES & DETAILS

A600

WATER STRIDER SOLAR
O&M BUILDING

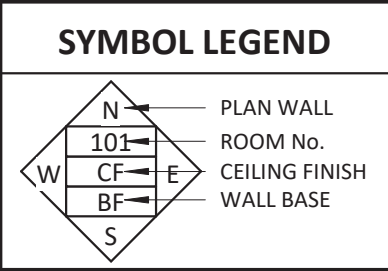
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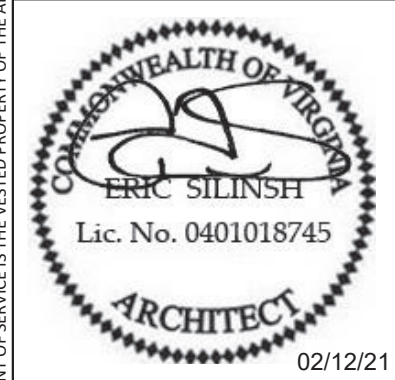


INTERIOR FINISH SCHEDULE									
ROOM		FLOORS		WALLS				CEILING	COMMENTS
NO.	NAME	FINISH	BASE	NORTH	EAST	SOUTH	WEST		
101	OPEN OFFICE	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	GWB	
102	SUPPLY	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	GWB	
103	OFFICE	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	GWB	
104	CONFERENCE ROOM	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	GWB	
105	CONTROL ROOM	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	GWB	
106	KITCHENETTE	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	GWB	
107	JANITOR	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXP	
108	SHOP	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXP	
109	RESTROOM	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	GWB	
110	HUDDLE ROOM	PC-1	RB-1	PT-1	PT-1	PT-1	PT-1	GWB	

FINISH LEGEND				
	MNFR.	STYLE/ID	COLOR	COMMENTS
FLOORING				
POLISHED CONCRETE				
PC-1	TBD	TBD	TBD	POLISHED CONCRETE WITH CLEAR, SLIP RESISTANT MATTE FINISH
WALL BASE				
RUBBER				
RB-1	JOHNSONITE OR EQUAL	TBD	TBD	COLOR & STYLE TO BE SELECTED FROM MANUFACTURER'S FULL RANGE
WALLS				
PAINT				
PT-1	TBD	TBD	TBD	LOW VOC, LATEX, EGGSHELL FINISH WITH FILLER COAT AND TWO FINISH COATS
CEILING				
EXPOSED				
EXP	-	-	-	EXPOSED TO STRUCTURE ABOVE
GYPSUM WALL BOARD				
GWB	TBD	TBD	TBD	PAINTED GYPSUM WALL BOARD, COLOR TBD, LOW VOC, LATEX FINISH, EGGSHELL FINISH
CASEWORK				
PLASTIC LAMINATE				
PLAM1	FORMICA OR EQUAL	TBD	TBD	COLOR & FINISH TO BE SELECTED FROM MANUFACTURER'S FULL RANGE



FINISH LEGEND	
	PC-1
GENERAL FINISH NOTES	
1. FINAL FINISHES SHALL BE DETERMINED BY OWNER.	
2. ALL GYPSUM WALLBOARD WALLS AND CEILINGS SHALL RECEIVE A LEVEL 4 OR 5 FINISH (SEE SPECIFICATIONS).	
3. SEAL ALL GAPS BETWEEN WALLS AND CEILINGS/FLOORS.	
4. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.	
5. REVIEW INTERIOR ELEVATIONS, WALL SECTIONS AND DETAILS FOR SPECIAL CONDITIONS RELATING TO FINISHING.	



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FINISH PLAN, NOTES
AND SCHEDULE