



TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

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ISSUE LIST
BID ISSUE 03/21/2024

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Project & Applicant Information	Project Title	TULALIP TRIBES - UTILITY BUILDING - 2018 WSEC	For Building Department Use:	Date:	Jul 13, 2023
	Project Address	3015 MISSION BEACH ROAD Marysville, WA 98271			
	Applicant Name	Andy Longman			
	Applicant Phone	425-774-3829			
	Applicant Email	andy.longman@harrisgroup.com			

General Occupancy	All Commercial	General Building Use Type	Laboratory	Building Cond. Floor Area	7,263
General Project Types	New Building	New Building or Addition Mechanical Scope	Multiple Zone Systems & Equipment	Project Cond. Floor Area	7,236
Mechanical Project Description	BUILDING IS FULLY CONDITIONED UTILIZING SPLIT SYSTEM HEAT PUMP FOR HEATING AND COOLING. ALONG WITH DOAS FOR VENTILATION AND EXHAUST. DOAS INCLUDES ELECTRIC DUCT HEATERS FOR TEMPERING THE OSA. BUILDING ALSO INCLUDES (1) EXHAUST FANS CONNECTED TO FUME HOODS WITH (1) SUPPLY AIR FAN WITH A DUCT HEATER TO TEMPER MAKE UP AIR AT ROOM (1) LABORATORY. AUXILIARY SPACES INCLUDE ELECTRIC WALL HEATERS FOR FREEZE PROTECTION.				

Mechanical Compliance Scope and Method	Project Type	Mechanical Scope	Exemptions/ Exceptions Applied?	DOAS Ventilation Provided?	Higher Equipment Efficiency Option Applied?	Equipment Efficiency Compliance Verification
	New Building	Multiple Zone Systems & Equipment	Yes	Yes	NA	COMPLIES
Additional Efficiency Credits Included (AEC)	Dedicated outside air system (DOAS) option					
Does building include occupancy classifications requiring DOAS?	No	Does project include DOAS equipment?				Yes
Based on project scope do TSPR requirements apply?	No	Do all systems comply with Appendix D standard reference design or qualify for an exception to TSPR?				No

Scope & Space Conditioning	NEW BUILDING - MULTIPLE ZONE SYSTEMS & EQUIPMENT	Compliance Verification	COMPLIES
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Multiple Zone Air Systems Category - Heat pump, unitary										
Air Systems Summary Information										
System ID	Supply Airflow Control	Ventilation Standard	Ventilation CFM	Ventilation Air Source	Paired with DOAS	Ventilation energy recovery	Energy Recovery Efficiency (%)			
CU-1	Constant volume	IMC Multiple Zones Ventilation	680	Other System		Yes per C403.5 Energy Recovery	61			
Air Systems & Equipment - Cooling										
System/Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity per Ton (Btu/h)	AEC Efficiency Multiplier	Econo Exception Multiplier (PL & PL1)	Proposed Cooling Efficiency	Proposed Part Load Efficiency	PL Verification	Efficiency Compliance	
CU-1	Heat pump, air cooled	Split system	168,000	1	1.0	10.8	EER 23.6	IEER	COMPLIES	
Air Systems & Equipment - Heating										
System/Equip ID	Heating System/Equip Type	Specific Type	Heat Pump Heating Capacity (Btu/h)	Cooling Capacity (Btu/h)	AEC Efficiency Multiplier	Proposed Heat Pump Heating Efficiency	HPH Units	Proposed Low OSA Temp Efficiency	LTH Units	Efficiency Compliance Verification
CU-1	Heat pump, air cooled, heating	Split system	188,000	168,000	1	3.6	COP	3.6	COP	COMPLIES
Air Systems & Equipment Details										
System ID	Area(s) Served	Location In Project Documents - Plan/Detail #								
CU-1	1ST AND 2ND FLOORS	ALL								

Heating Section/Auxiliary Heating Type: Electric resistance (or None)	Economizer Compliance Method: Applying air-side economizer exception
Air-side economizer exception applied: Top 1 - DOAS paired with cooling system (Note equip location limitations)	WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(2) - Unitary and Applied Heat Pumps
Proposed Low OSA Temp Efficiency: 3.6	LTH Units: COP
WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(2) - Unitary and Applied Heat Pumps	

ENVELOPE COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1 Administered by: ©2023 NEEA, All rights reserved

Project & Applicant Information	Project Title	Tulalip New Utilities Building - 2018 WSEC	For Building Department Use:	Date:	Aug 04, 2023
	Project Address	3015 Mission Beach Road Tulalip, WA 98271			
	Applicant Name	Joel Riehl			
	Applicant Phone	425-784-5121			
	Applicant Email	jriehl@tribetech.com			

General Occupancy	All Commercial	General Building Use Type(s)	Office, Government/Municipal Laboratory	Building Cond. Floor Area	6,992
Project Scope	New Building	Space Conditioning Categories	Fully Conditioned	Project Cond. Floor Area	6,992
Envelope Project Description	A 2-story building of 6,992 sf floor area, housing a waste water testing lab and offices for the public utility. Building is wood-framed, metal clad, with aluminum storefront type windows, and a shed roof.				

Envelope Compliance Scope and Method	Scope	Space Conditioning Category	Compliance Method	WWSR per Category	UA Calculation Adjustment	Fenestration Alternates	Compliance Verification
	New Building	Fully Conditioned	Prescriptive	9.19% / %	None selected	No alternates selected	COMPLIES

Air Barrier Testing	Air barrier testing included in project scope	Air Barrier Comments	
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Project Title	Tulalip New Utilities Building - 2018 WSEC	Date	Aug 04, 2023
Scope & Space Conditioning	NEW BUILDING - FULLY CONDITIONED	Compliance Verification	COMPLIES
Window-to-wall Ratio	9.19%	Skylight-to-roof ratio	%
Vertical Fenestration Alternate		No alternates selected	

Opaque Envelope Assemblies								
Roof/Ceiling	Location in Documents	Assembly ID	Assembly Location	Insulation R-Values				
				Cavity	Continuous (% penetration)	2nd Layer (MR Roof)	U-Factor	Net Area (SF)
Attic and other	A3.03 and A9.20	Roof	Exterior	R-49	R-49.0 (≥ 0.04%)		U-0.02	3,711
U-Factor Source: Computed				U-Factor Source Description: Inverse of R-value of insulation only				
Roof Framing Type (Standard, Advanced): Standard				Roof Framing Material: Wood-framed				
Ceiling/Air Venting: Vented				Is this assembly exterior or interior?: Exterior				
Walls	Location in Documents	Assembly ID	Assembly Location	Cavity	Continuous (% penetration)	Insulated Wall Furring	U-Factor	Net Area (SF)
				R-21	R-21.0 (≥ 0.04%)		U-0.044	7,383
Wood-framed and other - Commercial	A3.01, A3.02, and Wall Schedule, Sheet A9.10	W1 and W2	Exterior	U-Factor Source: Computed				
Which insulation code target does wall comply with?: R-21 Cavity - Intermediate Framing				U-Factor Source Description: Inverse of accumulated R values of wall components - not accounting for metal siding				
U-Factor Source Description: Inverse of accumulated R values of wall components - not accounting for metal siding				Framing Spacing: 16"				

Slab-on-grade Floors	Location in Documents	Assembly ID	Assembly Location	Slab Edge	Under Slab	F-Factor	Perimeter Length (SF)
				R-10	R-10	F-0.54	260
U-Factor Source: WSEC Appendix A							
Slab Insulation Method: 2.0 horizontal (no slab edge insulation)							
F-Factor Source Description: Table A.106.1							

Fenestration & Opaque Door Assemblies								
Opaque Doors	Location in Documents	Assembly ID	Assembly Location	Insulation R-Values				
				Door Insulation			U-Factor	Rough Opening (SF)
Swinging	A4.0 and A9.3	Aggregate swinging doors. Per Door Schedule, Sheet A9.30	Exterior				U-0.37	126
What percentage of this opaque door is glazing?: 50% or less				U-Factor Source: WSEC Appendix A				
U-Factor Source Description:				Is this assembly exterior or interior?: Exterior				
Is this a public entrance door?: No				U-Factor Source: WSEC Appendix A				
Roll-up	A4.0 and A9.30	RO	Exterior	R-4.7			U-0.21	168
U-Factor Source: WSEC Appendix A				U-Factor Source Description:				
Is this assembly exterior or interior?: Exterior								

Vertical Fenestration	Location in Documents	Assembly ID	Assembly Location	Orientation	Shading (PF)	Fenestration SHGC	Fenestration U-Factor	Rough Opening (SF)
				South/East/West Facing	PF < 0.2	SHGC-0.35	U-0.38	523
U-Factor & SHGC Source: Other Source				U-Factor Source Description: specified max values				
Is this assembly exterior or interior?: Exterior								
Operable - Class AW or site built	A4.0 and A9.4	A1 - A9	Exterior	South/East/West Facing	PF < 0.2	SHGC-0.35	U-0.38	168
U-Factor & SHGC Source: Other Source				U-Factor Source Description: specified max values				
Is this assembly exterior or interior?: Exterior								
All other fenestration types	A4.0 and A9.4	A1 - A9	Exterior	South/East/West Facing	PF < 0.2	SHGC-0.35	U-0.30	86
U-Factor & SHGC Source: WSEC Appendix A				U-Factor Source Description:				
Is this assembly exterior or interior?: Exterior								

Project & Applicant Information	Project Title	Tulalip Tribes - Utility Building - 2018 WSEC	For Building Department Use:	Date:	Jul 14, 2023
	Project Address	3015 MISSION BEACH ROAD Marysville, WA 98271			
	Applicant Name	Mohammad Qasir Azeem			
	Applicant Phone	206-73-6603			
	Applicant Email	mohammad.azeem@harrisgroup.com			

General Occupancy	All Commercial	General Building Use Type	Utility/Equip, Other	Building Cond. Floor Area	7,263
General Project Types	New Building	New Building or Addition Lighting Scope	Interior Lighting Exterior Lighting	Project Cond. Floor Area	7,236
Lighting Project Description	COMPLIANCE METHOD 1 - GENERAL				

Lighting Compliance Scope and Method	Project Type	Interior / Exterior (Interior includes both interior & parking)	Luminaire Replacement Scope	Compliance Method	LPA Calculation Adjustment	Compliance Verification
	New Building	Interior Lighting		Building area	Reduced lighting power density option - 10%	COMPLIES
Additional Efficiency Options Included	New Building	Exterior Lighting			Not applicable to exterior	COMPLIES
Reduced lighting power density credit - 10% lower than LPA						

Project Title	Tulalip Tribes - Utility Building - 2018 WSEC	Date	Jul 14, 2023
Lighting Power Calculation	NEW BUILDING - INTERIOR LIGHTING	Compliance Verification	COMPLIES
Compliance Method	Building area	LPA Calculation Adjustment	LPA x 0.9

Interior Lighting Power Allowance - Building Area					
Building Areas	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 0.9)	Total Proposed Watts	Compliance Status by Building Area
Office	6,880	0.64	3,963	3,459	COMPLIES

Proposed Lighting Power Density								
Fixture Type/Application	Fixture ID	Building Area	New or Existing-to-Remain	Quantity of Fixtures, CLDs or Luminaires (#F)	Watts per Fixture, CLD or Luminaire (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures	Troffer	Troffer, 4F1	Office	New	51	49		2,499
	Troffer	Troffer, 2FT	Office	New	18	49		882
	Wall-mounted	SCONCE, Interior/Exterior	Office	New	2	39		78

Project Title	Tulalip Tribes - Utility Building - 2018 WSEC	Date	Jul 14, 2023			
Proposed Fixtures Details	NEW BUILDING - INTERIOR LIGHTING	Compliance Verification	COMPLIES			
Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	Building Area	New or Existing-to-Remain	
Individual Fixtures	Troffer	Troffer, 4F1	Plan Drawings	LED	Office	New
Fixture Description:		Are these fixtures located within a daylight zone?:				

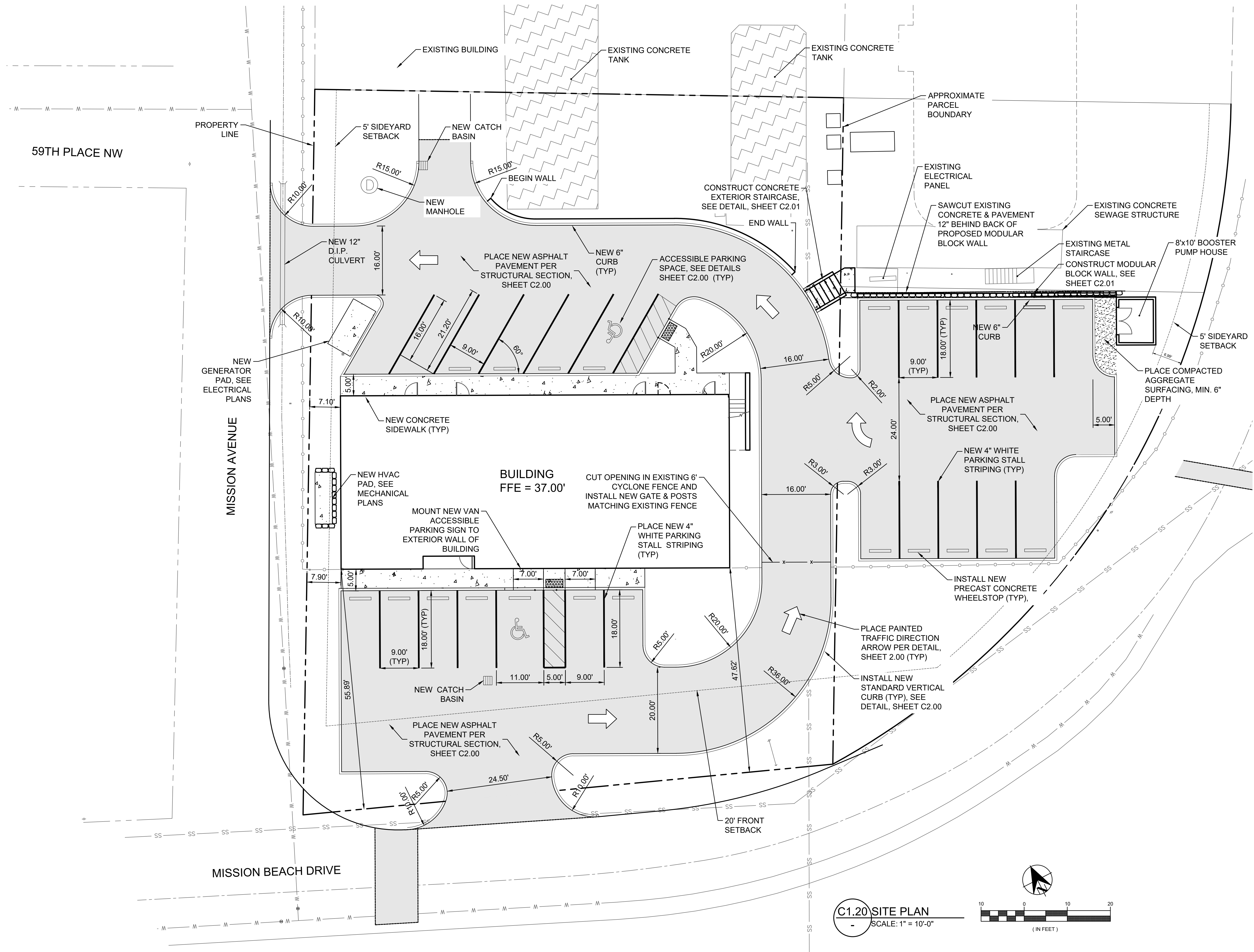
Do these fixtures require specific application lighting controls?:					
Troffer	Troffer, 2FT	Plan drawings	LED	Office	New
Fixture Description: Are these fixtures located within a daylight zone?:					
Do these fixtures require specific application lighting controls?:					
Wall-mounted	SCONCE, Interior/Exterior	Plan Drawings	LED	Office	New
Fixture Description: Are these fixtures located within a daylight zone?:					
Do these fixtures require specific application lighting controls?:					

Project Title	Tulalip Tribes - Utility Building - 2018 WSEC	Date	Jul 14, 2023
Lighting Power Calculation	NEW BUILDING - EXTERIOR LIGHTING	Compliance Verification	COMPLIES
Exterior Lighting Zone	ZONE 2	Base Site Allowance	400

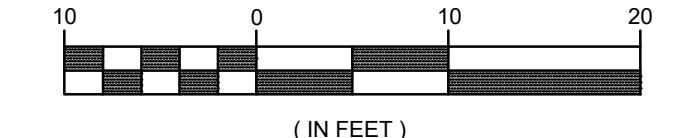
Exterior Tradable Lighting Power Allowance							
Tradable Surface	Tradable Surface Sub-Type	Surface Area (SF)	LPA (Watts/SF)	Linear Feet (LF)	Total Watts Allowed (LPA x SF) or (LPA x LF)	Total Tradable Proposed Watts	Tradable Compliance Status
Building entrances and exits	Pedestrian entrances & exits		40	14	560		
Base Site Allowance						400	
Totals						960	282
COMPLIES							

Proposed Tradable Lighting Power Density							
Fixture Type	Fixture ID	Tradable Surface Type	Quantity of Fixtures (#F)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures	Wall-mounted	SCONCE, EXTERIOR	Building entrances and exits - Pedestrian entrances & exits	6	47		282
Tradable Proposed Total							282

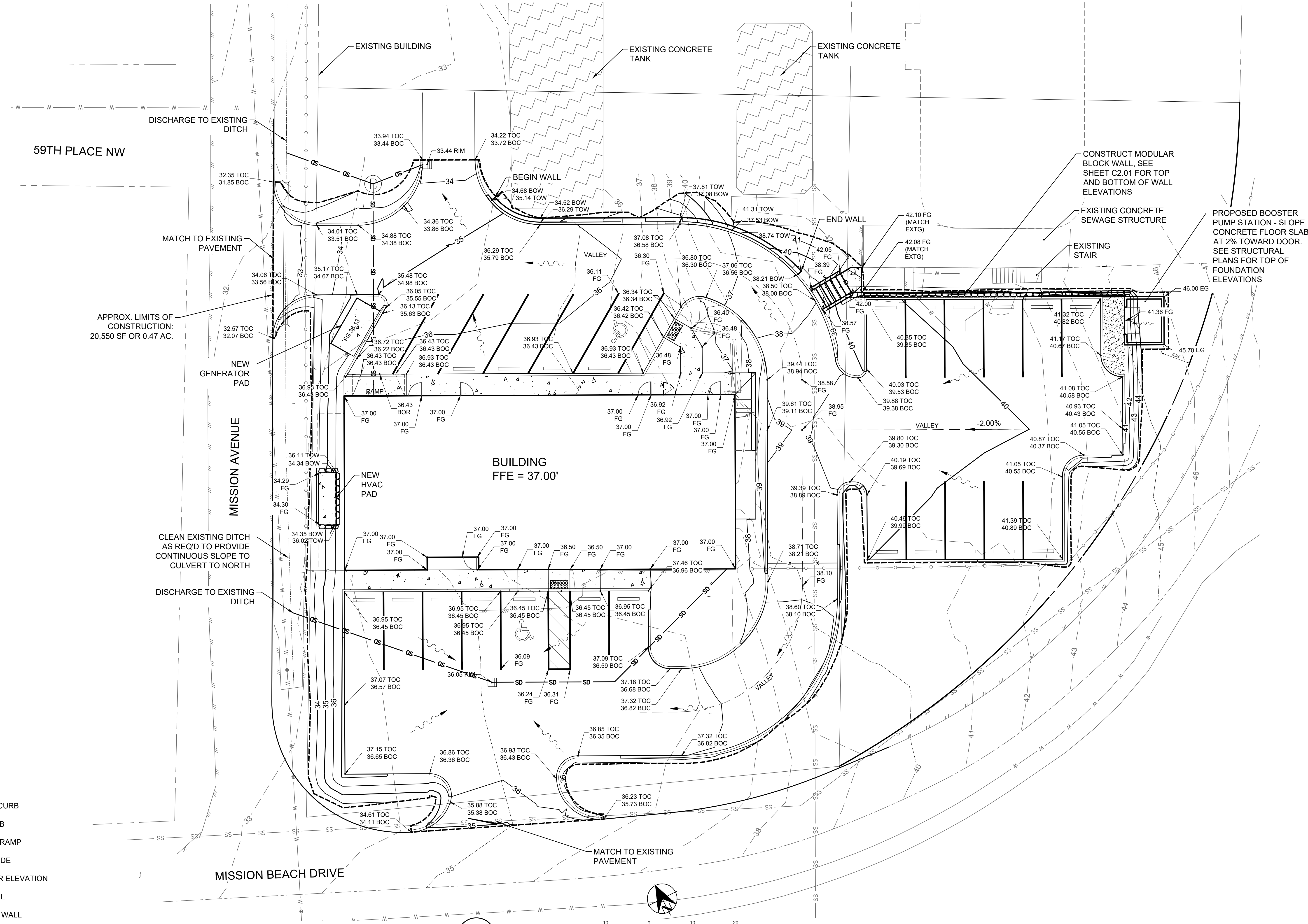
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C1.20 SITE PLAN
SCALE: 1" = 10'-0"



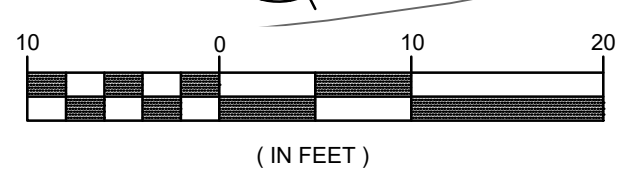
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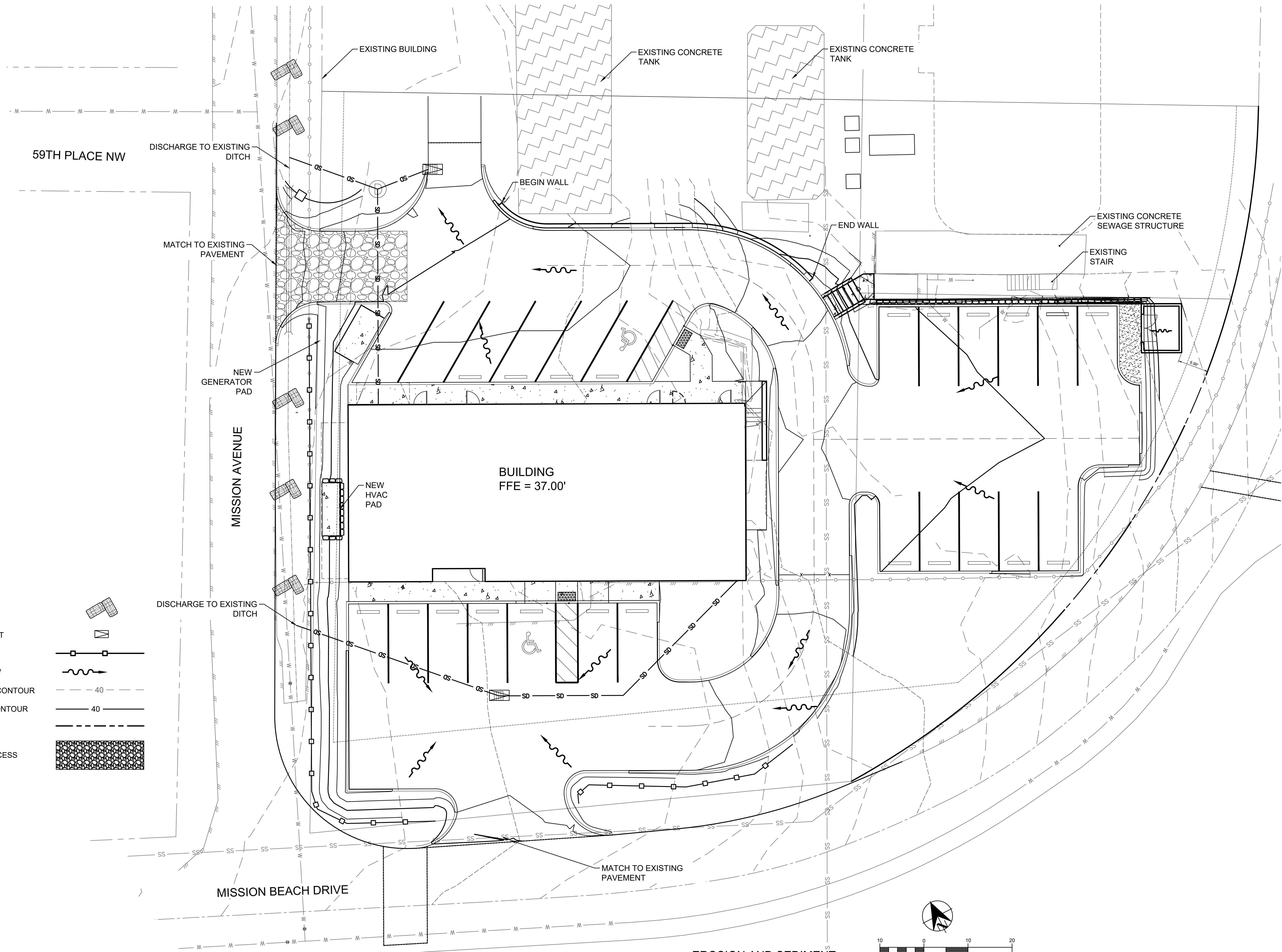
KEY:

- BOC= BOTTOM OF CURB
- TOC = TOP OF CURB
- BOR = BOTTOM OF RAMP
- FG = FINISHED GRADE
- FFE = FINISH FLOOR ELEVATION
- TOW = TOP OF WALL
- BOW = BOTTOM OF WALL
- DIRECTION OF FLOW
- EXISTING GROUND CONTOUR
- FINISHED GROUND CONTOUR

C1.30 GRADING PLAN
SCALE: 1" = 10'-0"



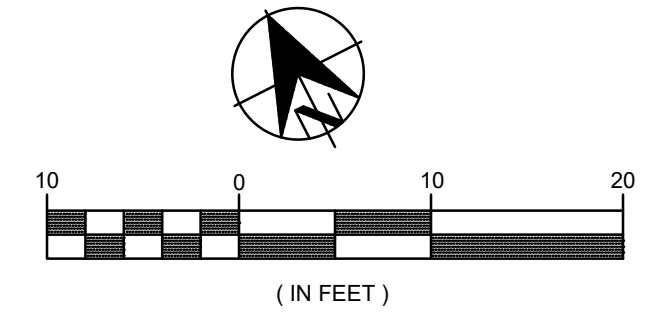
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LEGEND:

- BIOBAG CHECK DAM
- CATCH BASIN INSERT
- SILT FENCE
- DIRECTION OF FLOW
- EXISTING GROUND CONTOUR - 40
- FINISHED GRADE CONTOUR - 40
- RIGHT OF WAY
- STABILIZED GRAVEL CONSTRUCTION ACCESS

C1.31 EROSION AND SEDIMENT CONTROL PLAN
SCALE: 1" = 10'-0"



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EROSION CONTROL GENERAL NOTES

1. APPROVAL OF THIS EROSION AND SEDIMENT CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
2. THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC BEST MANAGEMENT PRACTICES (BMP) IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
4. THE ESC BMPs SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
5. THE ESC BMPs SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, UPGRADE THESE ESC BMPs AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
6. THE ESC BMPs SHALL BE INSPECTED DAILY AND AFTER EACH STORM EVENT BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
7. INSPECT AND MAINTAIN THE ESC BMPs ON INACTIVE SITES A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT (24-HOUR STORM EVENT WITH A 10-YEAR OR GREATER RECURRENCE INTERVAL).
8. AT NO TIME SHALL THE SEDIMENT EXCEED 60 PERCENT OF THE SUMP DEPTH OR HAVE LESS THAN 6 INCHES OF CLEARANCE FROM THE SEDIMENT SURFACE TO THE INVERT OF LOWEST PIPE. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

SILT FENCE

PURPOSE- TO REDUCE THE TRANSPORT OF COARSE SEDIMENT FROM A CONSTRUCTION SITE BY PROVIDING A TEMPORARY PHYSICAL BARRIER TO SEDIMENT AND REDUCING THE RUNOFF VELOCITIES OF OVERLAND FLOW.

CONDITIONS OF USE:

1. DOWNSLOPE OF ALL DISTURBED AREAS.
2. SILT FENCE IS NOT INTENDED TO TREAT CONCENTRATED FLOWS, NOR IS IT INTENDED TO TREAT SUBSTANTIAL AMOUNTS OF OVERLAND FLOW. ANY CONCENTRATED FLOWS MUST BE CONVEYED THROUGH THE DRAINAGE SYSTEM TO A SEDIMENT TRAP OR POND. THE ONLY CIRCUMSTANCES IN WHICH OVERLAND FLOW CAN BE TREATED SOLELY BY A SILT FENCE, RATHER THAN BY A SEDIMENT TRAP OR POND, IS WHERE THE AREA DRAINING TO THE FENCE IS SMALL (SEE INTRODUCTION TO THIS SECTION), AND THE AVERAGE SLOPE IS NOT MORE THAN 1.5H:1V.

DESIGN AND INSTALLATION SPECIFICATIONS:

1. SEE FIGURE ABOVE FOR DETAIL.
2. THE GEOTEXTILE USED MUST MEET THE STANDARDS LISTED BELOW. A COPY OF THE MANUFACTURER'S FABRIC SPECIFICATIONS MUST BE AVAILABLE ON-SITE.

AOS (ASTM D-4751)30-100 SIEVE SIZE 90.024-0.006 IN.) FOR SILTFILM 50-100 SEIVE SIZE(0.012-0.006 IN.) FOR OTHER FABRICS.

WATER PERMITTIVITY (ASTM D-4491)=0.02 SEC ~1 MIN.

GRAB TENSILE STRENGTH (ASTM D-4632) = 180 LBS MIN. FOR EXTRA STRENGTH FABRIC
100 LBS MIN. FOR STANDARD STRENGTH FABRIC.

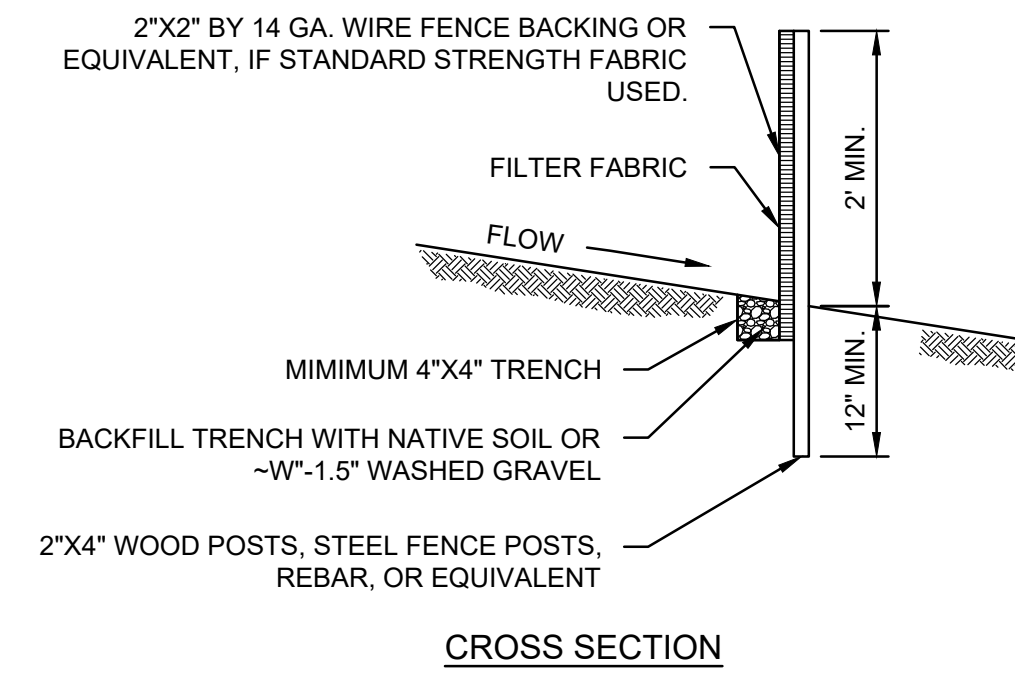
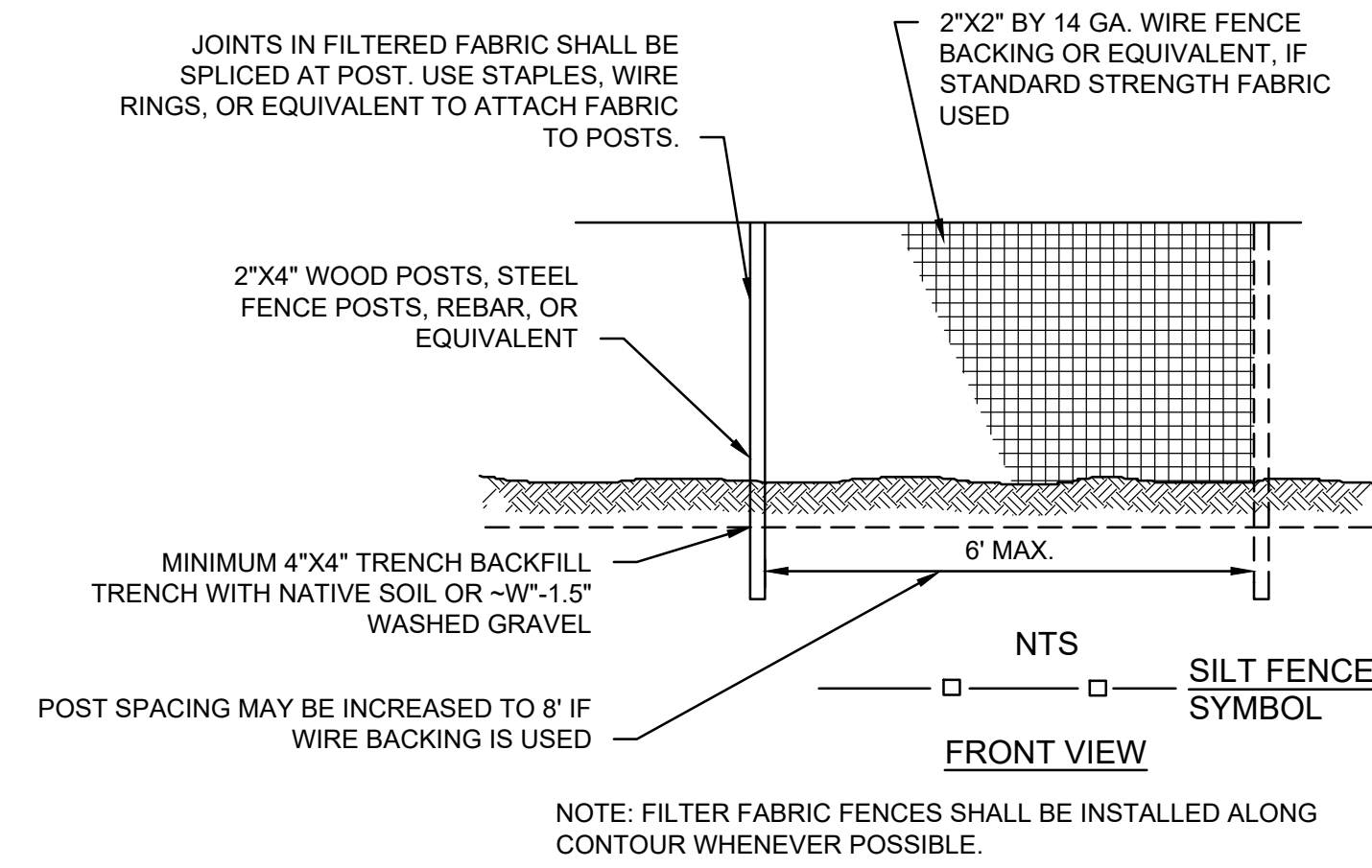
GRAB TENSILE ELONGATION (ASTM D-4632) = 30% MAX.

ULTRAVIOLET RESISTANCE (ASTM D-4355) = 70%.

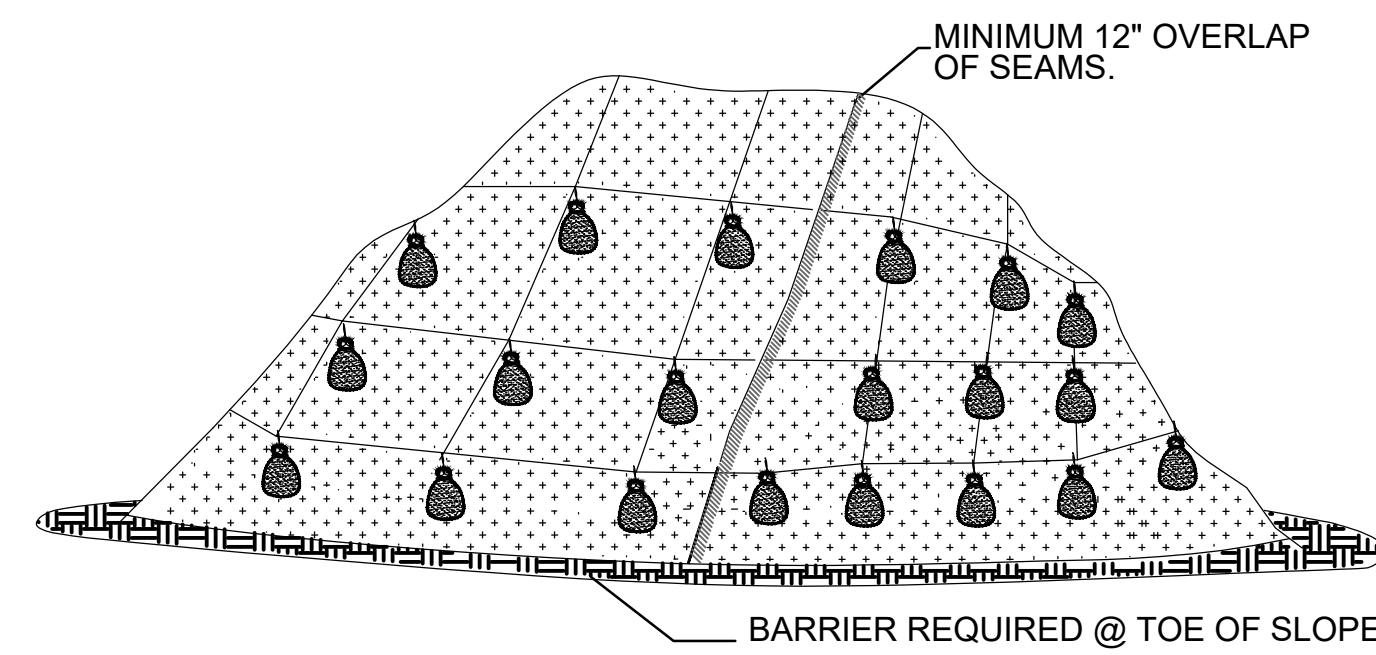
3. STANDARD STRENGTH FABRIC REQUIRES WIRE BACKING TO INCREASE THE STRENGTH OF THE FENCE. WIRE BACKING OR CLOSER POST SPACING MAY BE REQUIRED FOR EXTRA STRENGTH FABRIC IF FIELD PERFORMANCE WARRENTS A STRONGER FENCE.
4. WHERE THE FENCE IS INSTALLED, THE SLOPE SHALL BE NO STEEPER THAN 2H:1V.

MAINTENANCE STANDARDS:

1. ANY DANAGE SHALL BE REPAIRED IMMEDIATELY.
2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.
3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACER THE FENCE AND/OR REMOVE THE TRAPPED SEDIMENT.
4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6" HIGH.
5. IF THE FILTER FABRIC HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.

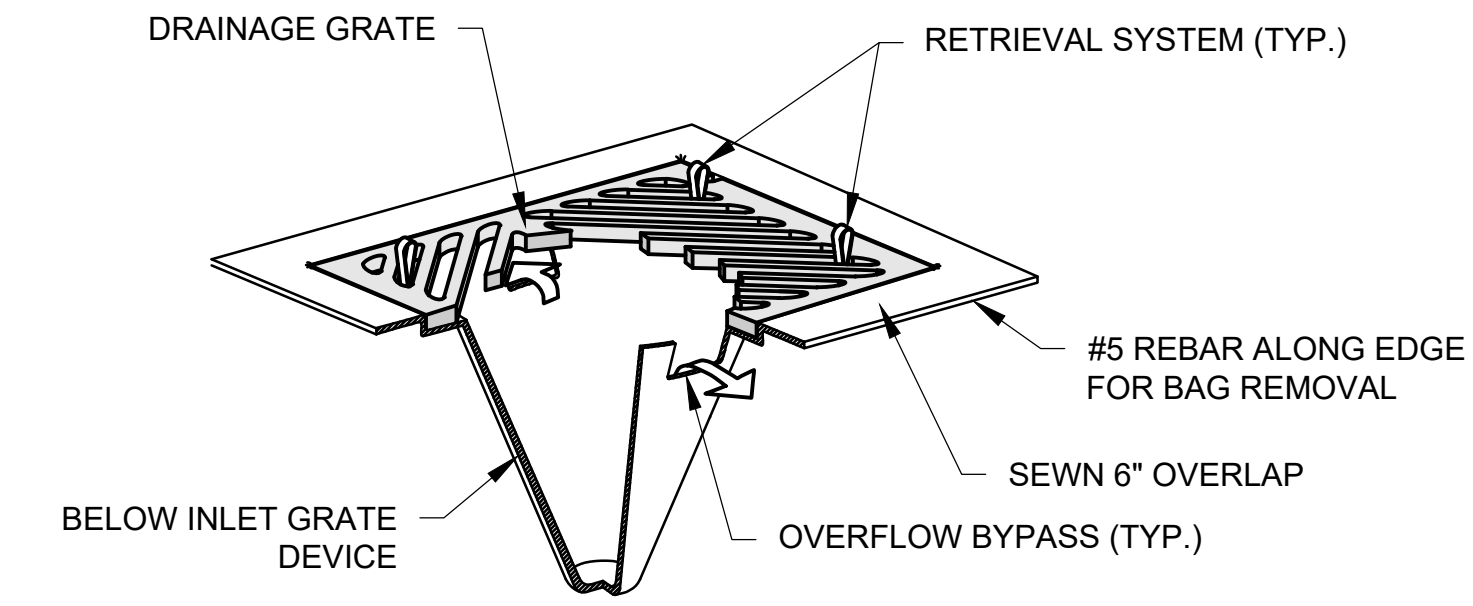


1 SILT FENCE DETAIL
SCALE: NTS



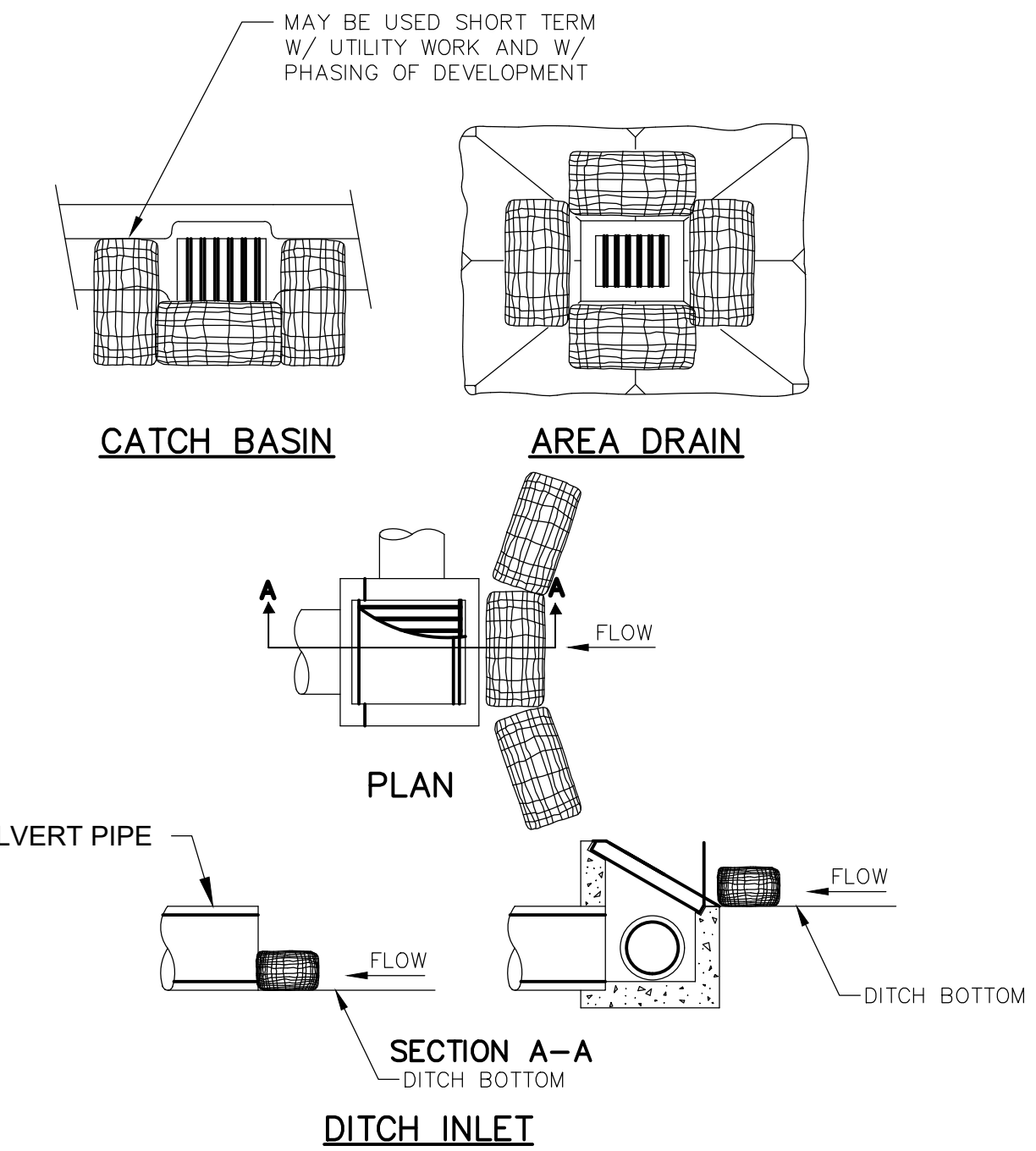
- NOTES:
1. MINIMUM 12" OVERLAP OF ALL SEAMS REQUIRED.
 2. BARRIER REQUIRED @ TOE OF STOCK PILE.
 3. COVERING MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 10' GRID SPACING IN ALL DIRECTIONS.

4 TEMPORARY STOCKPILE SLOPE STABILIZATION
SCALE: NTS



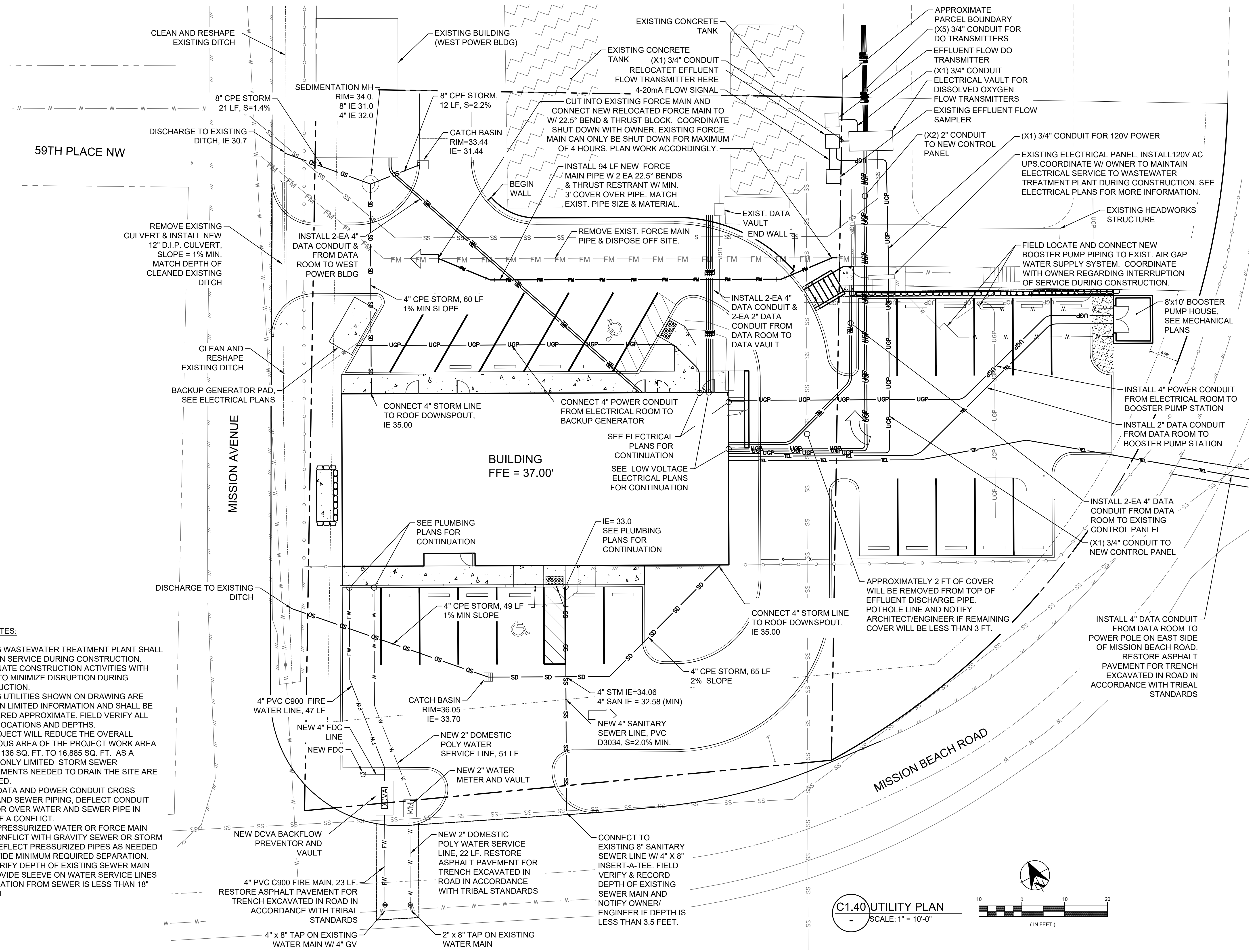
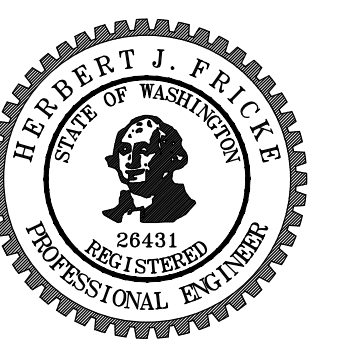
- NOTES:
1. INSTALL ACCORDING TO THE PLANS, SPECIAL PROVISIONS, AND MANUFACTURER RECOMMENDATIONS.
 2. INSPECT INSERTS TO ENSURE FLOW THROUGH THE FILTER MEDIA. CLEAN OR REPLACE INSERT AS NEEDED.

2 STORM DRAIN INLET PROTECTION
SCALE: NTS



3 BIOBAG DETAIL
SCALE: NTS

AP-25-248 PRINTED 10/10/2023

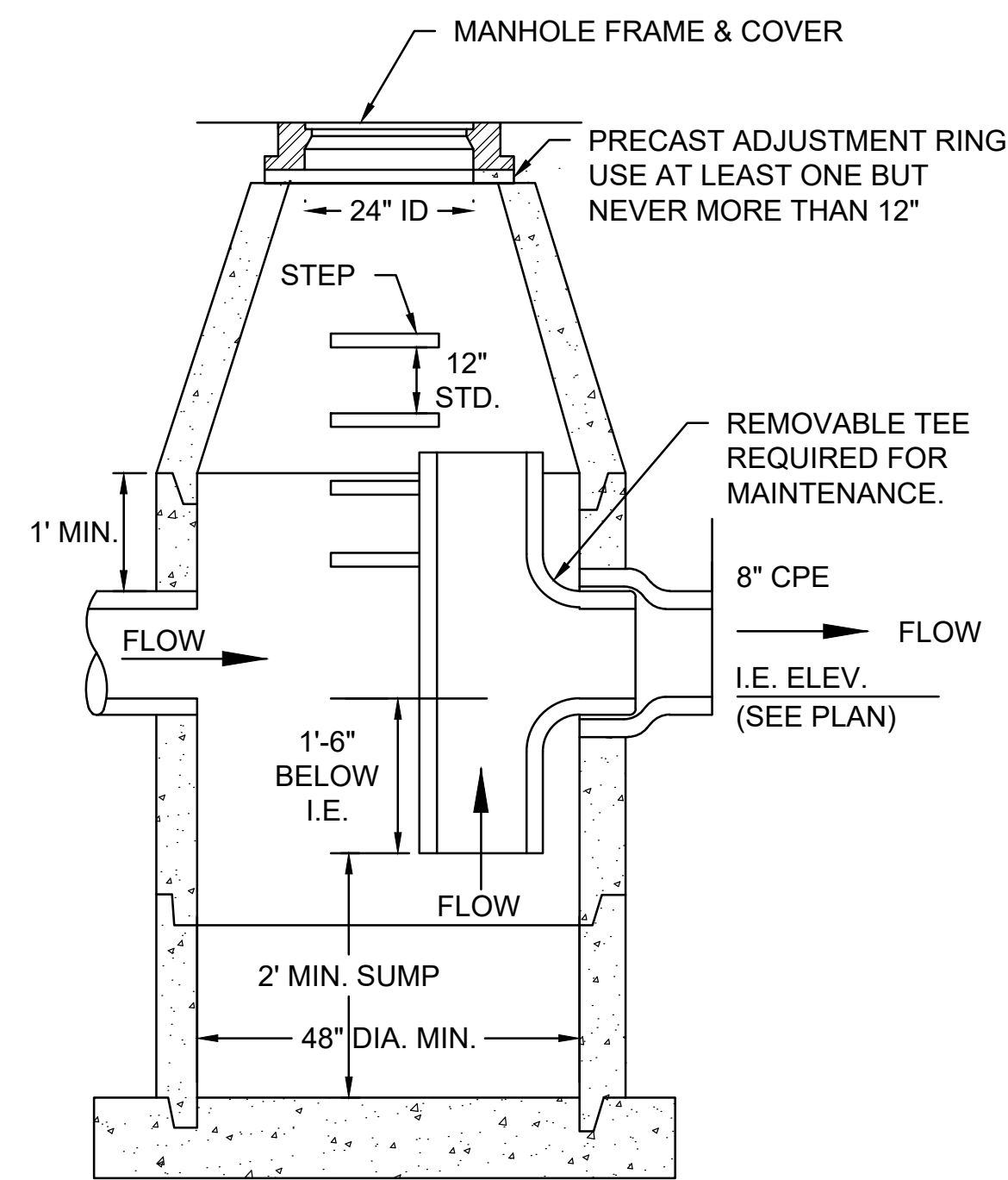


- GENERAL NOTES:**
- EXISTING WASTEWATER TREATMENT PLANT SHALL REMAIN IN SERVICE DURING CONSTRUCTION. COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER TO MINIMIZE DISRUPTION DURING CONSTRUCTION.
 - EXISTING UTILITIES SHOWN ON DRAWING ARE BASED ON LIMITED INFORMATION AND SHALL BE CONSIDERED APPROXIMATE. FIELD VERIFY ALL UTILITY LOCATIONS AND DEPTHS.
 - THIS PROJECT WILL REDUCE THE OVERALL IMPERVIOUS AREA OF THE PROJECT WORK AREA FROM 20,136 SQ. FT. TO 16,885 SQ. FT. AS A RESULT, ONLY LIMITED STORM SEWER IMPROVEMENTS NEEDED TO DRAIN THE SITE ARE PROPOSED.
 - WHERE DATA AND POWER CONDUIT CROSS WATER AND SEWER PIPING, DEFLECT CONDUIT UNDER OR OVER WATER AND SEWER PIPE IN EVENT OF A CONFLICT.
 - WHERE PRESSURIZED WATER OR FORCE MAIN PIPES CONFLICT WITH GRAVITY SEWER OR STORM PIPES, DEFLECT PRESSURIZED PIPES AS NEEDED TO PROVIDE MINIMUM REQUIRED SEPARATION.
 - FIELD VERIFY DEPTH OF EXISTING SEWER MAIN AND PROVIDE SLEEVE ON WATER SERVICE LINES IF SEPARATION FROM SEWER IS LESS THAN 18\"/>

C1.40 UTILITY PLAN
SCALE: 1" = 10'-0"

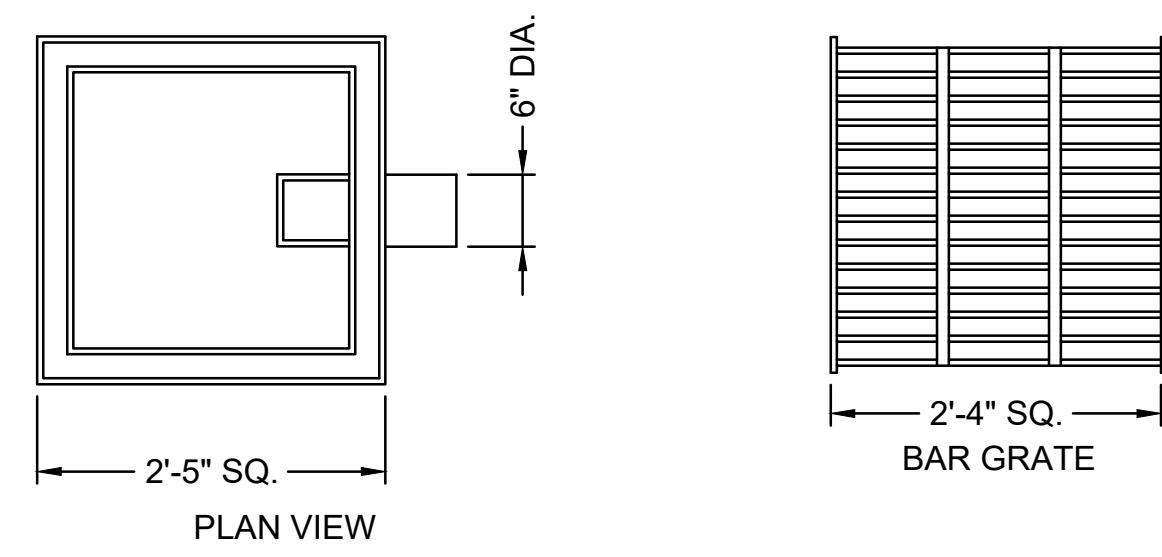
 (IN FEET)

APR 2024 PRINTED 10:00AM



SEDIMENTATION MANHOLE DETAIL

N.T.S.



TRAPPED CATCH BASIN DETAIL

N.T.S.

BASIN WELDED 10 GA. MILD STEEL, COATED ALL SURFACES WITH ASPHALTIC PAINT.

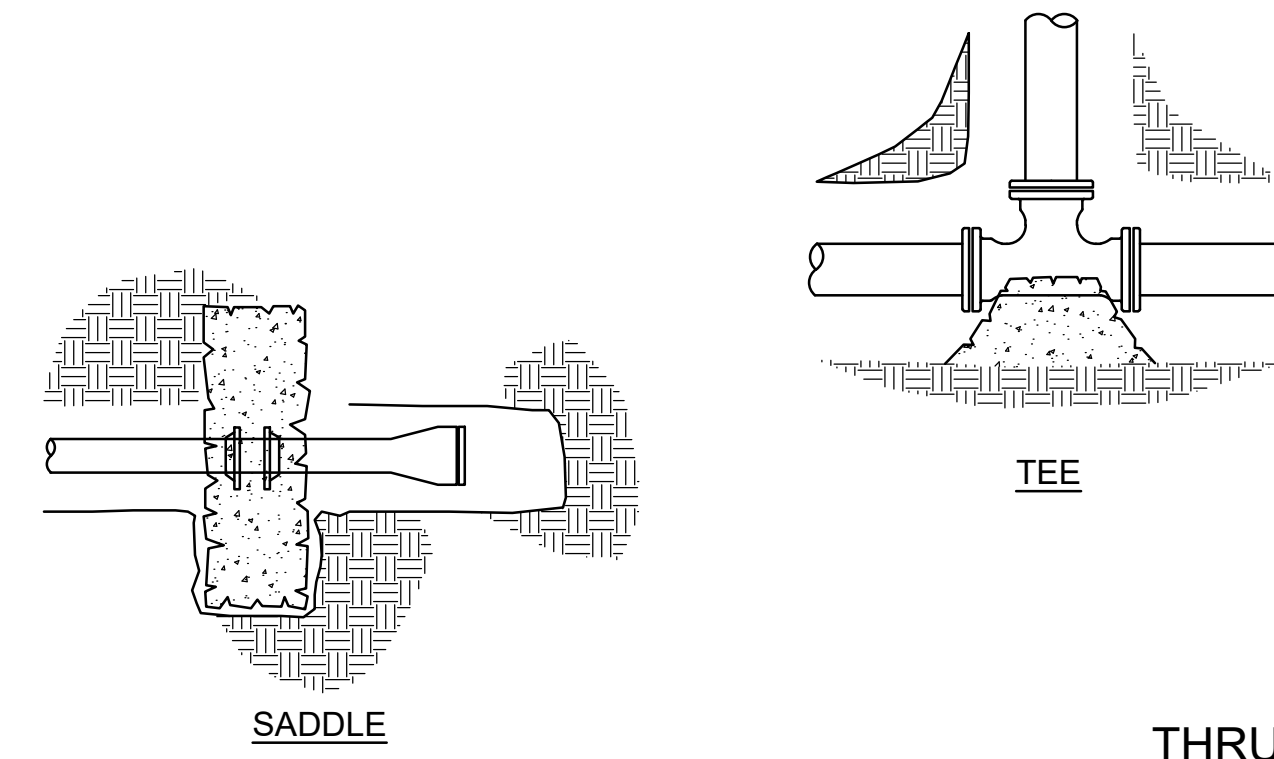
OUTLET STUB: FOR NO HUB CONNECTOR. SIZE AS REQUIRED FOR INDICATED PIPE. (SEE PLAN)

GRATE: WELDED STEEL DROP IN BAR GRATE (ASTM A36)
END BARS: 1/2" X 2"
CROSS BARS: 1/2" X 2" @ 2" O/C
BIKE STRAPS: 3/8" X 1"
16,000 LB UNIFORM LOAD CAPACITY

(HORIZONTAL)
BEARING AREA OF THRUST BLOCKS IN SQ. FT.

FITTING SIZE	TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4	1.3	1.8	1.0	1.0	1.0
6	2.8	4.0	2.2	1.1	1.0
8	5.0	7.1	3.8	2.0	1.0
12	11.3	16.0	8.7	4.4	2.2
16	20.1	28.4	15.4	7.8	3.9
20	31.1	44.4	24.0	12.3	6.2
24	45.2	64.0	34.6	17.7	8.9

VALUES BASED ON 200 PSI WATER PRESSURE AND 2000 PSF SOIL BEARING CAPACITY.



THRUST BLOCK DETAIL

N.T.S.

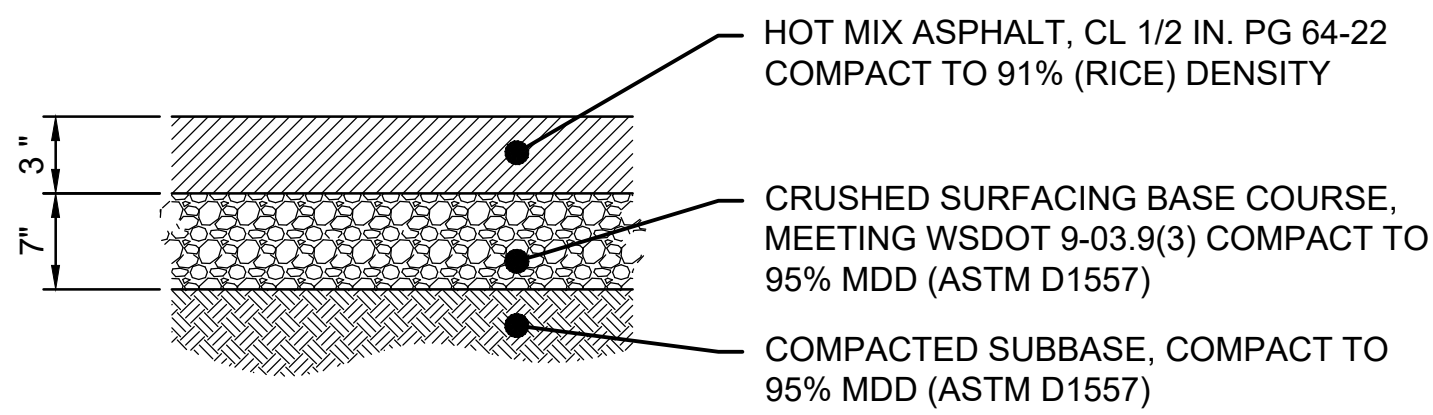
NOTES:

- THRUST BLOCKING AT ALL TEES, BENDS AND ENDS OF PIPING.
- CONCRETE BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
- ALL CONCRETE TO BE CLASS 3000.
- INSTALL 12 MIL TOTAL THICKNESS POLYETHENE SHEET AROUND FITTING. SECURE SHEET ENDS TO PREVENT INFILTRATION OF DIRT BETWEEN SHEETS AND PIPE FITTING PRIOR TO POURING THRUST BLOCKING.
- PROTECT MECHANICAL JOINT FOLLOWERS AND BOLTS FROM CONCRETE WITH TEMPORARY FORMS AND POLYETHENE SHEETING SEE NOTE 3.

VOLUME OF THRUST BLOCK IN CU. YDS. (VERTICAL)

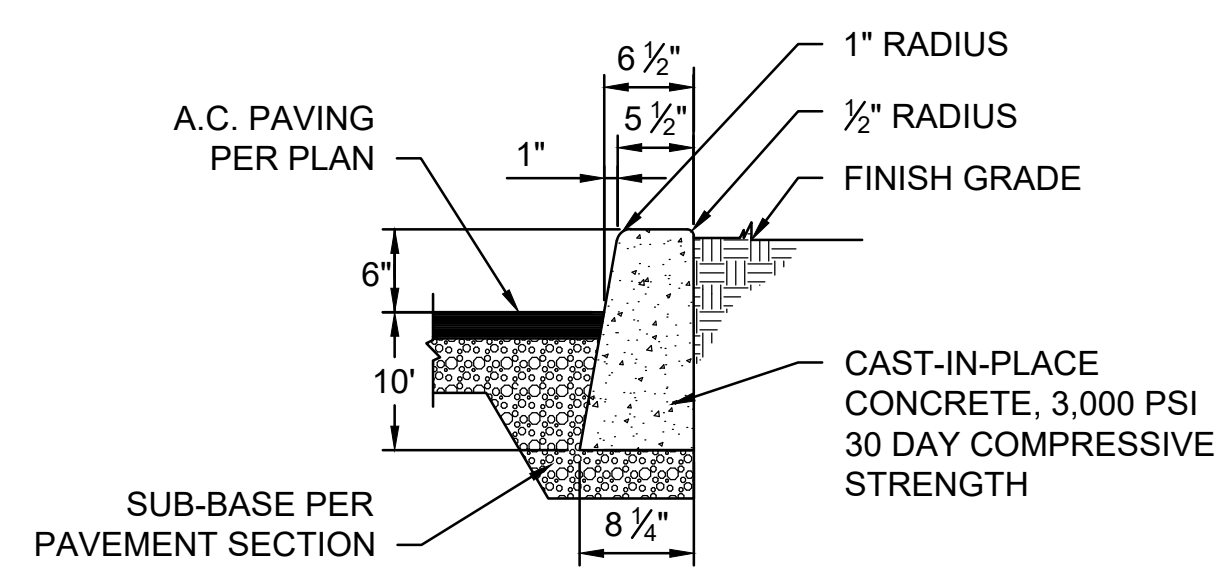
FITTING SIZE	BEND ANGLE		
	45°	22.5°	11.25°
4	1.1	0.4	0.2
6	2.7	1.0	0.4
8	4.0	1.5	0.6
12	8.5	3.2	1.3
16	14.8	5.6	2.3

FITTING SIZE	ROD SIZE	EMBEDMENT
4"-12"	#6	30"
14"-16"	#8	36"



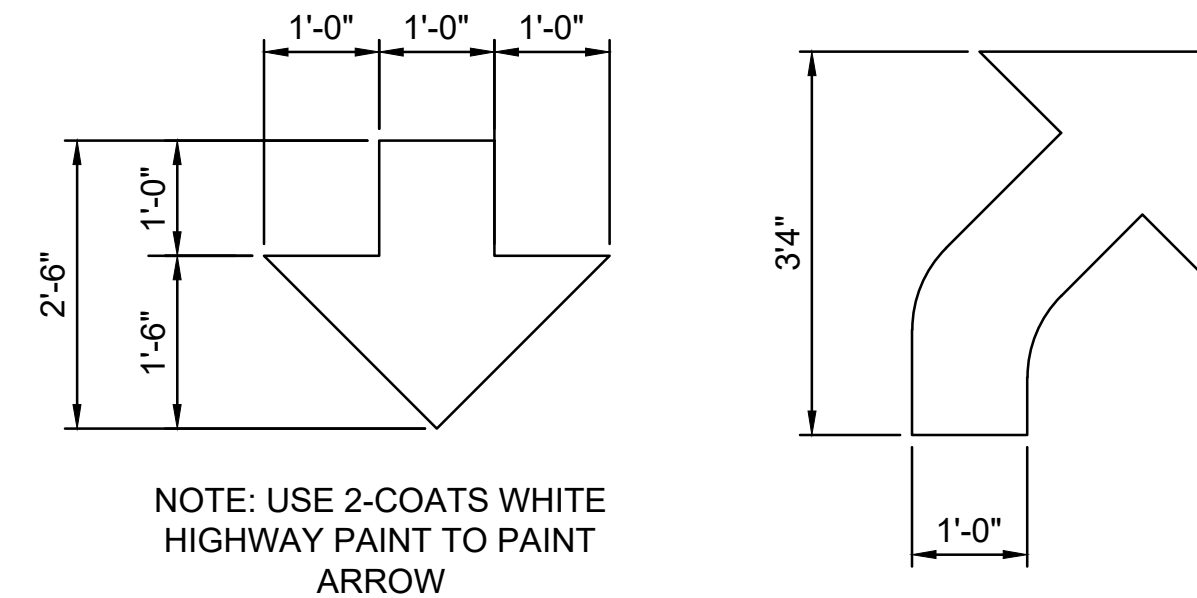
PAVEMENT STRUCTURAL SECTION

N.T.S.



STANDARD VERTICAL CURB

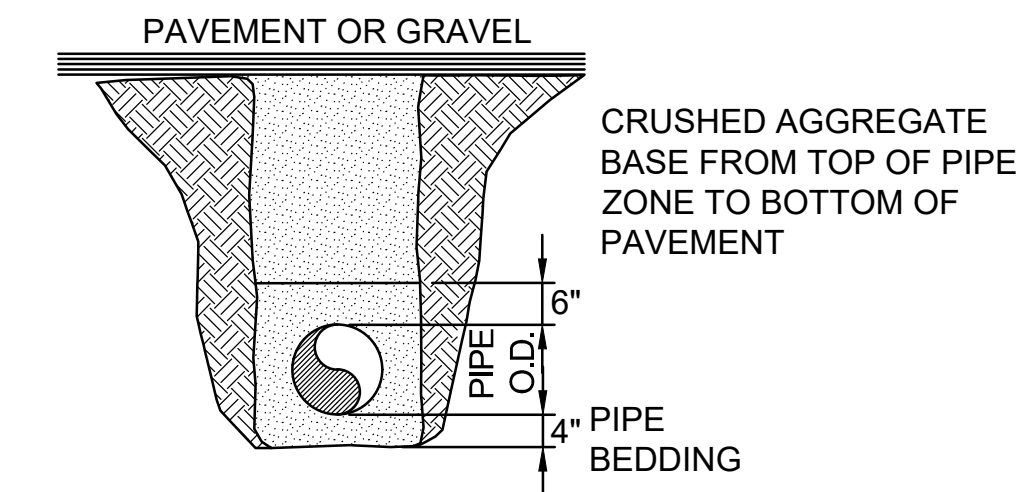
N.T.S.



TRAFFIC ARROW

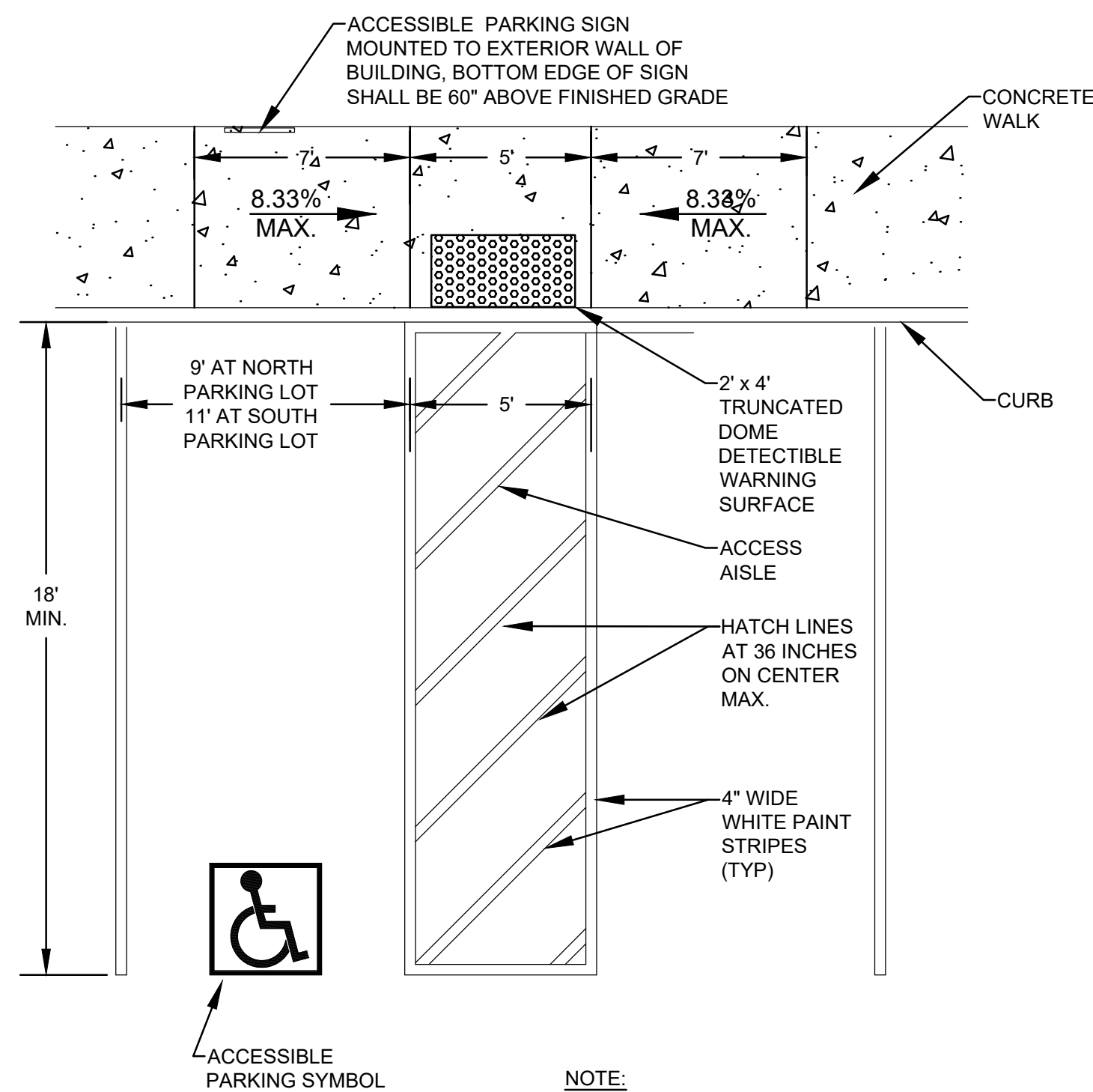
N.T.S.

NOTE: USE 2-COATS WHITE HIGHWAY PAINT TO PAINT ARROW



TRENCH BACKFILL ABOVE THE PIPE ZONE

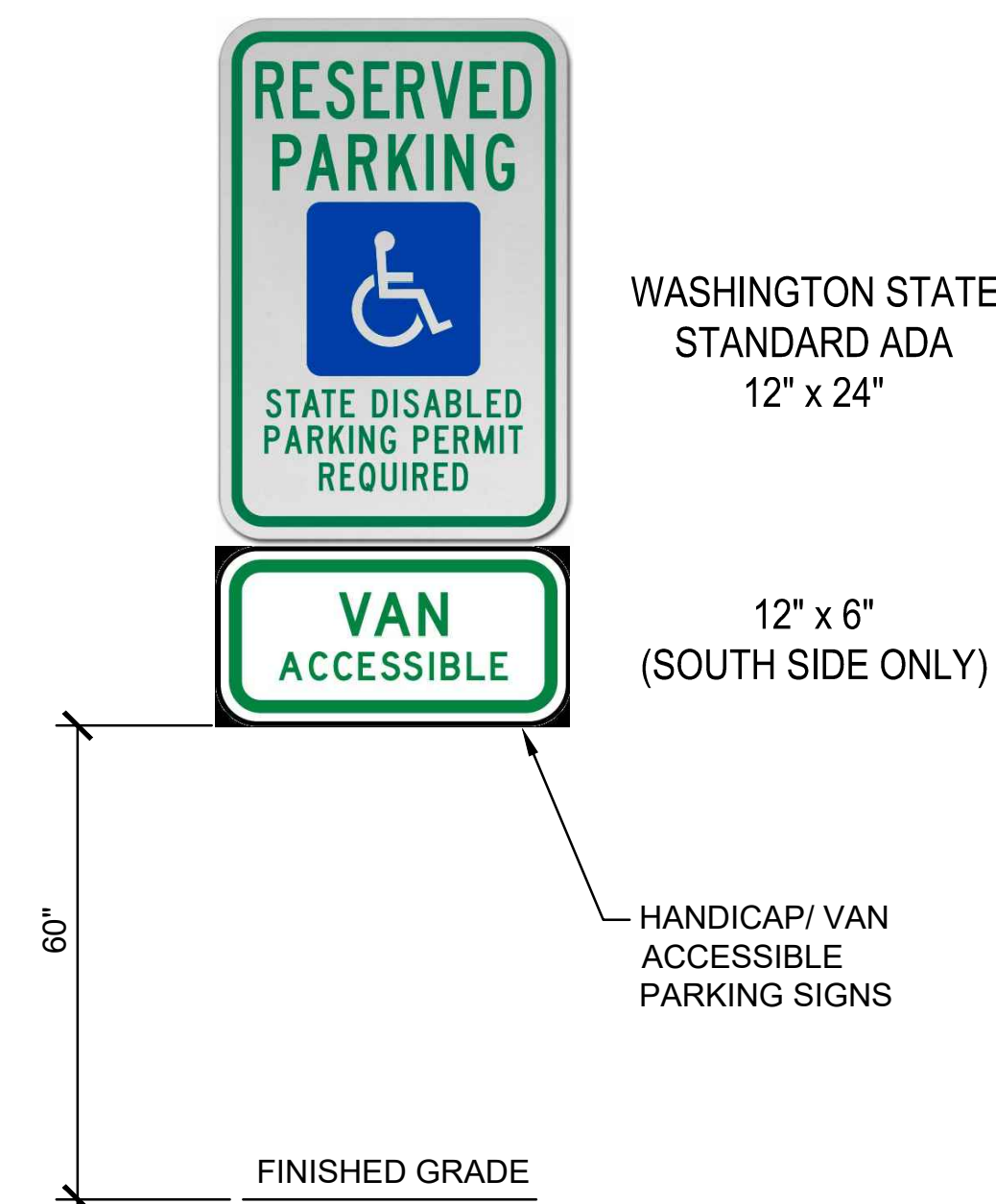
N.T.S.



ACCESSIBLE PARKING SPACE MARKINGS

N.T.S.

NOTE:
SURFACE SLOPES SHALL NOT EXCEED 2% IN ANY DIRECTION.



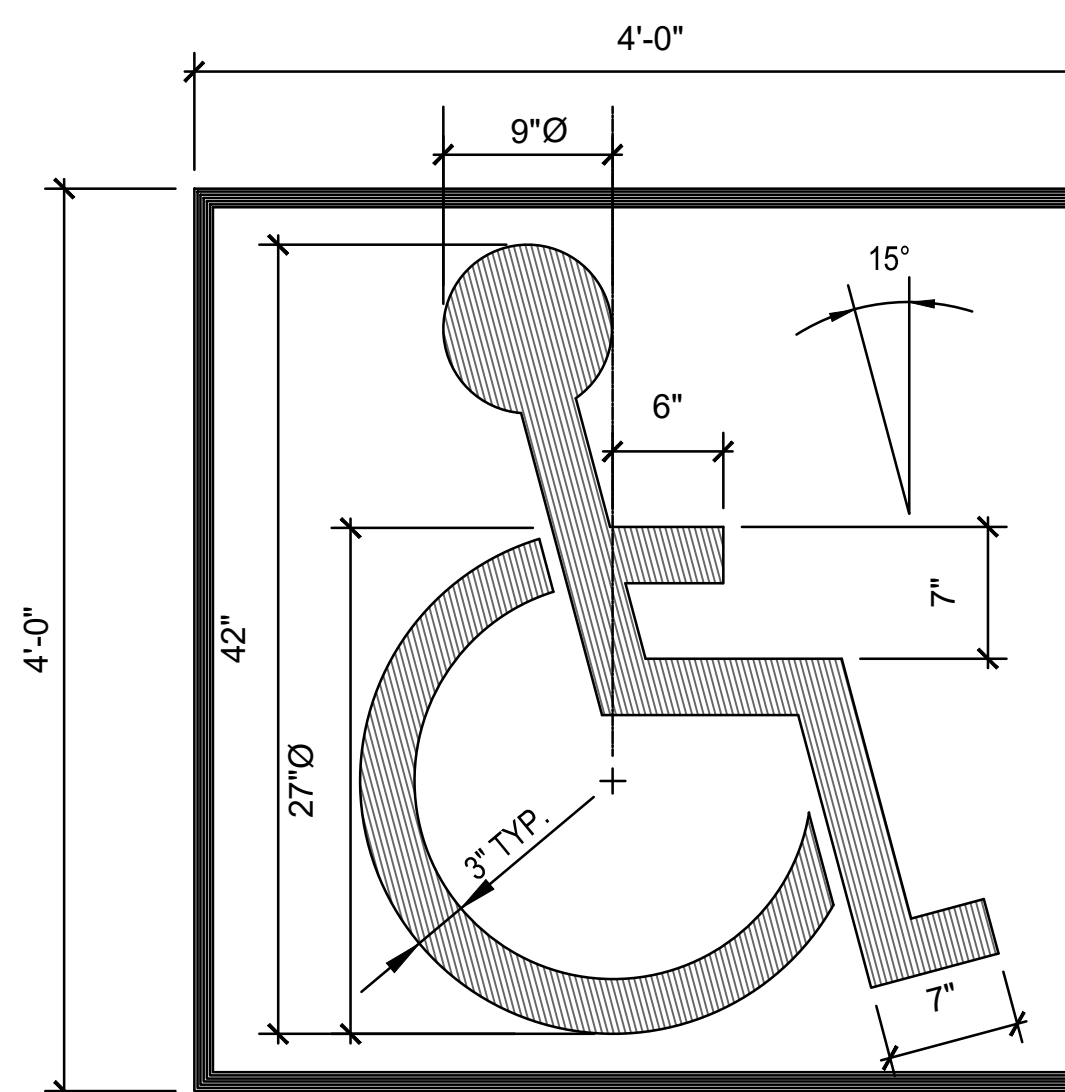
ACCESSIBLE PARKING SIGN

N.T.S.

WASHINGTON STATE STANDARD ADA 12" x 24"

12" x 6" (SOUTH SIDE ONLY)

HANDICAP/ VAN ACCESSIBLE PARKING SIGNS



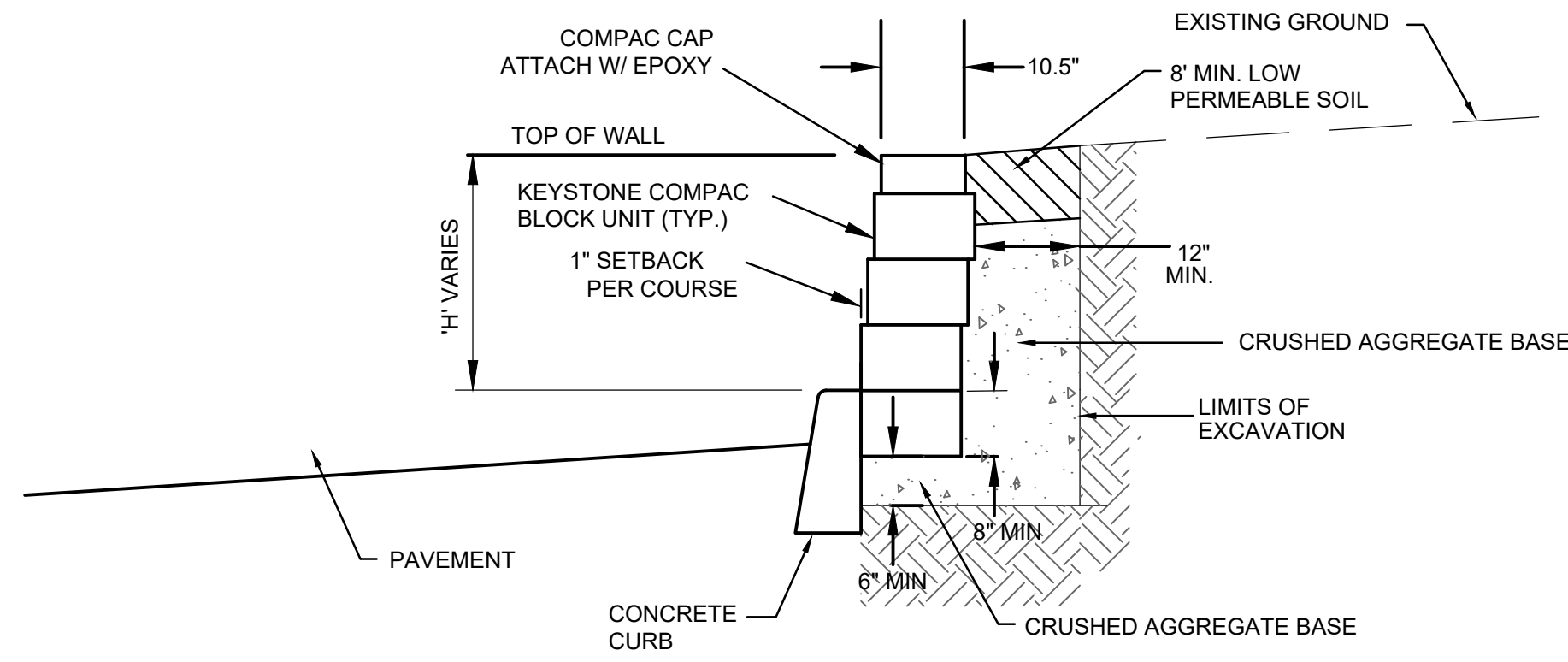
INTERNATIONAL SYMBOL OF ACCESSIBILITY

NOTE:

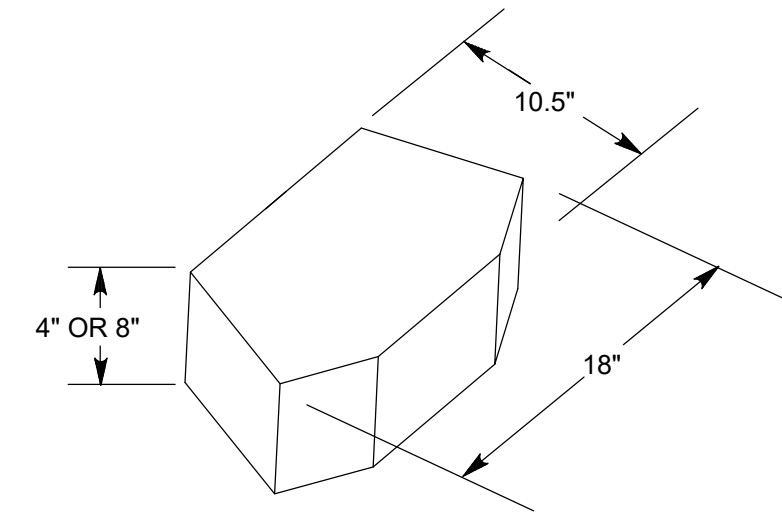
- USE WHITE PAINT FOR SYMBOL ON BLUE PAINTED BACKGROUND

ACCESSIBLE PARKING SYMBOL

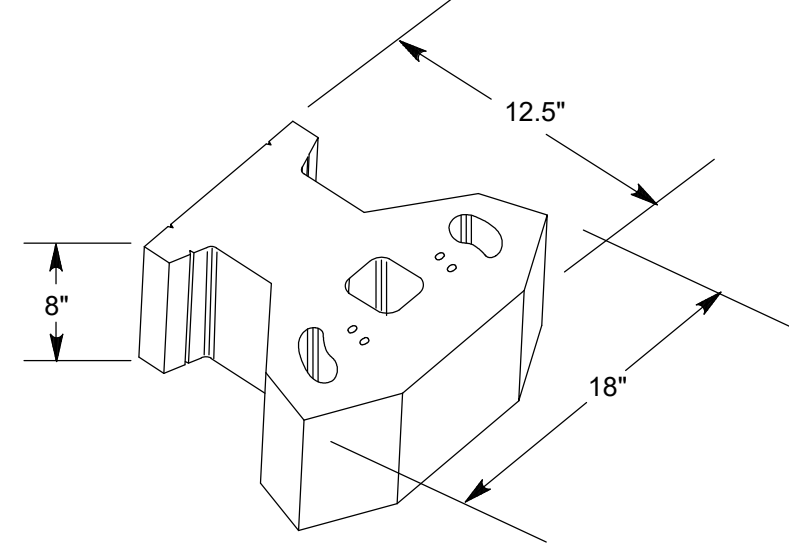
N.T.S.



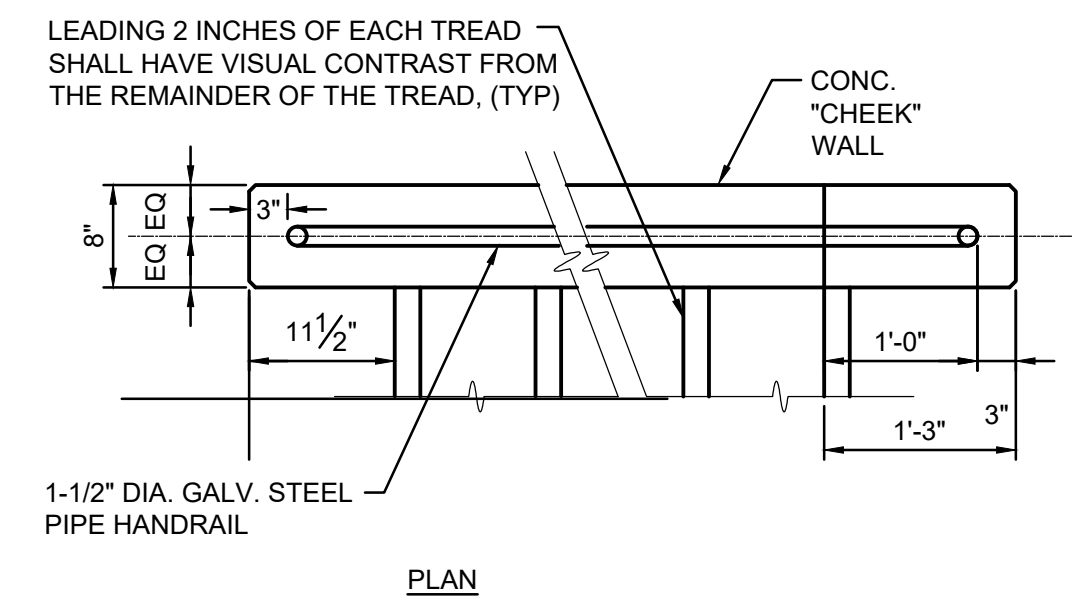
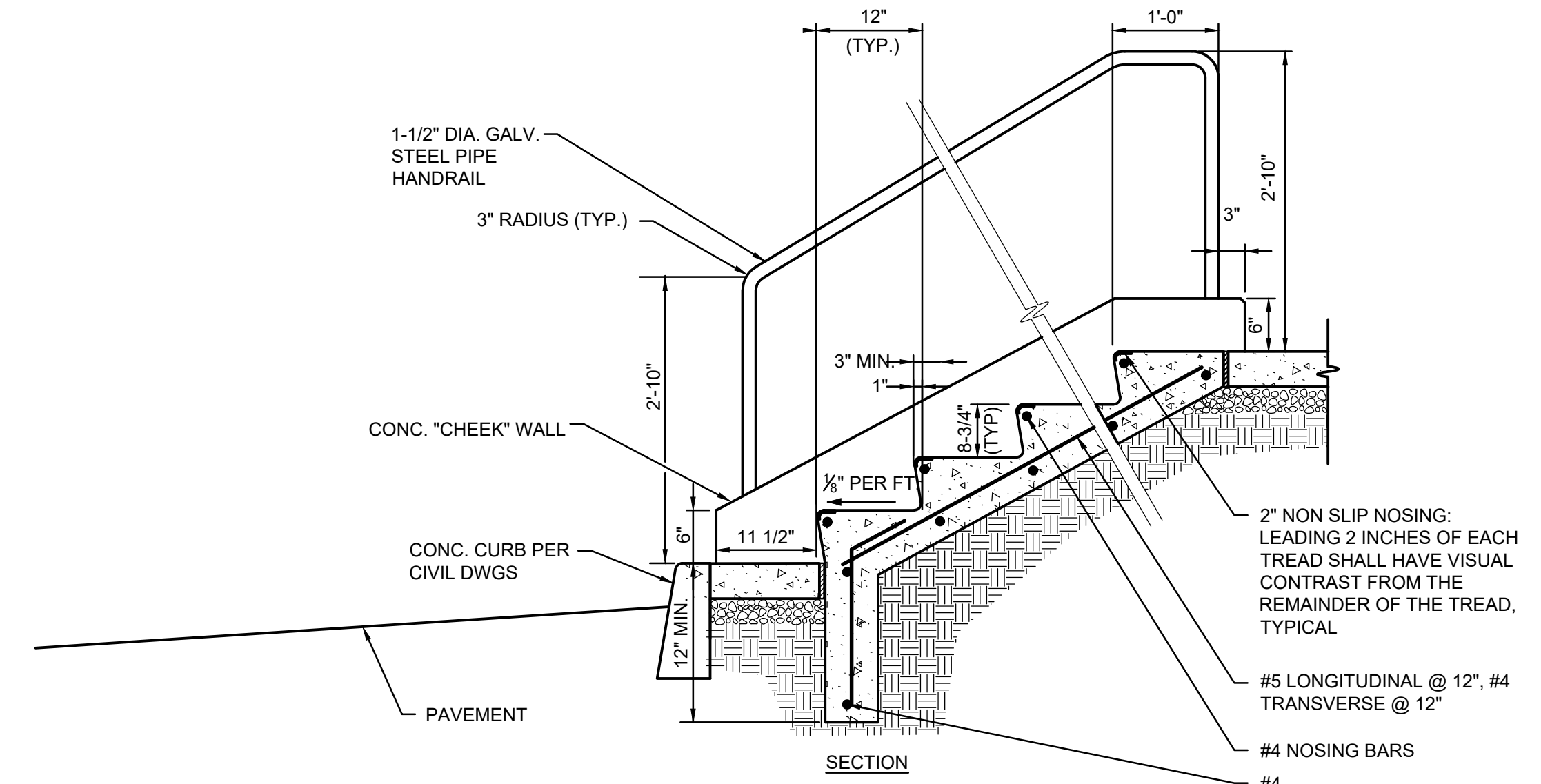
TYPICAL MODULAR BLOCK WALL
N.T.S.



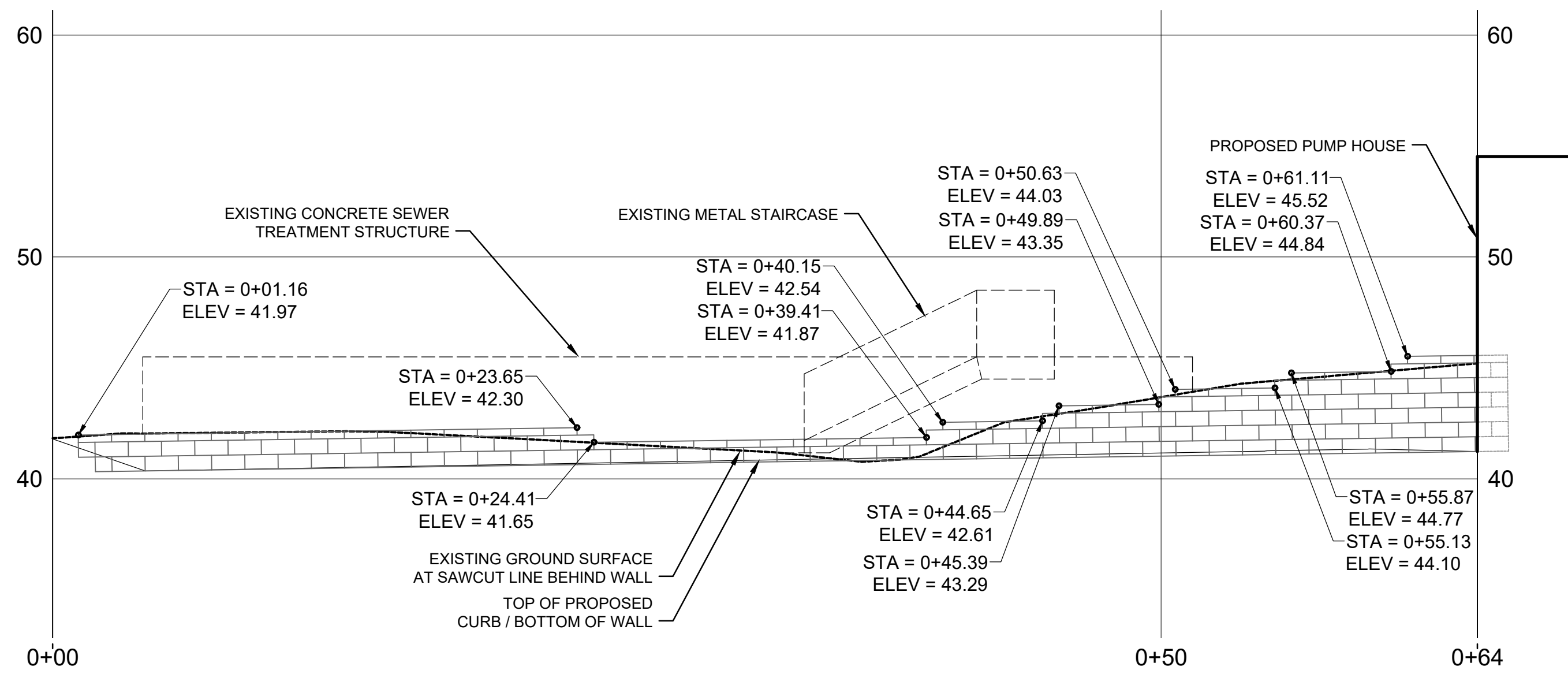
CAP UNIT
MASONRY BLOCKS
(KEYSTONE OR EQUIVALENT)



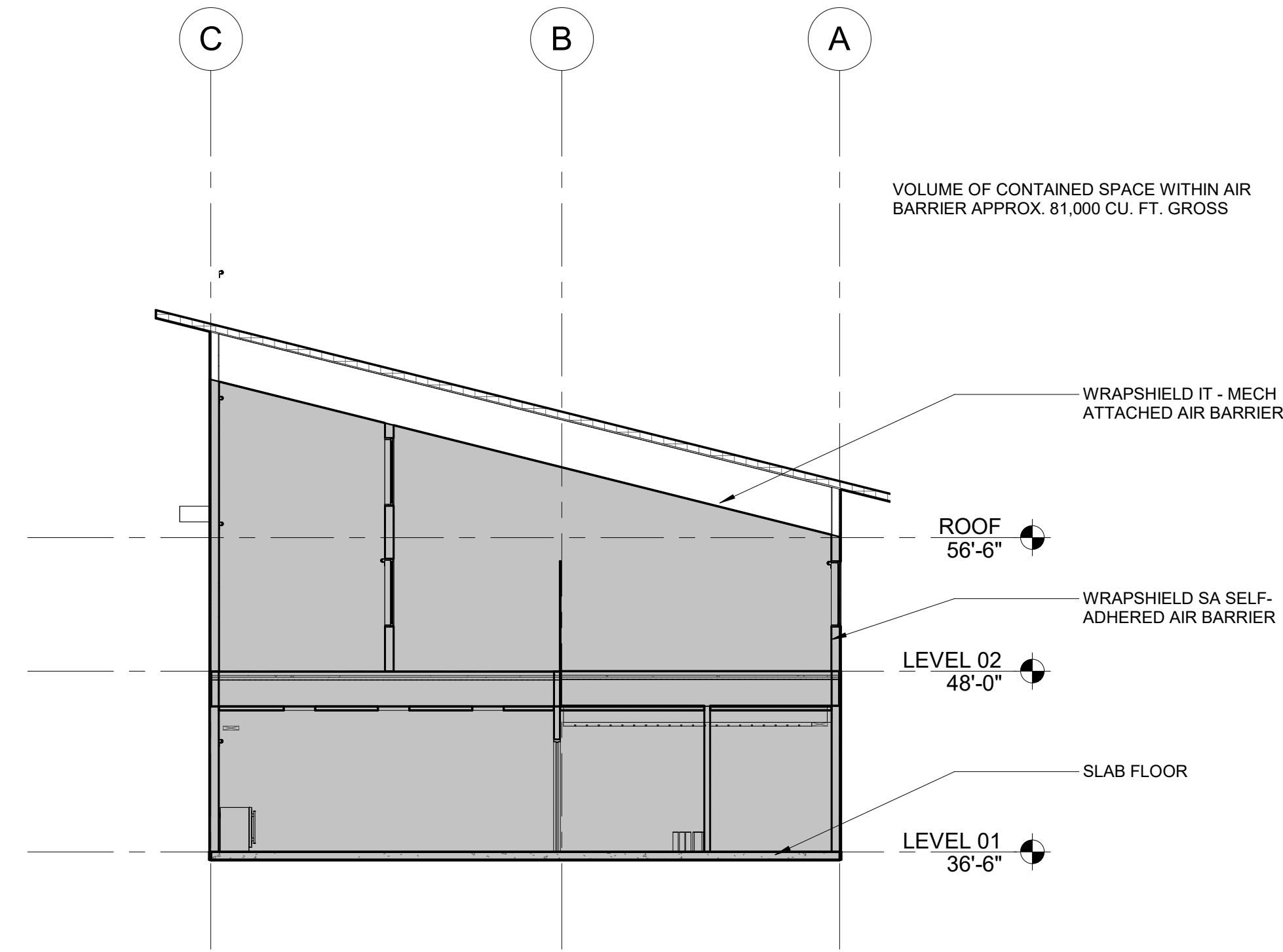
COMPACT UNIT
TYPICAL MODULAR BLOCK WALL UNITS
N.T.S.



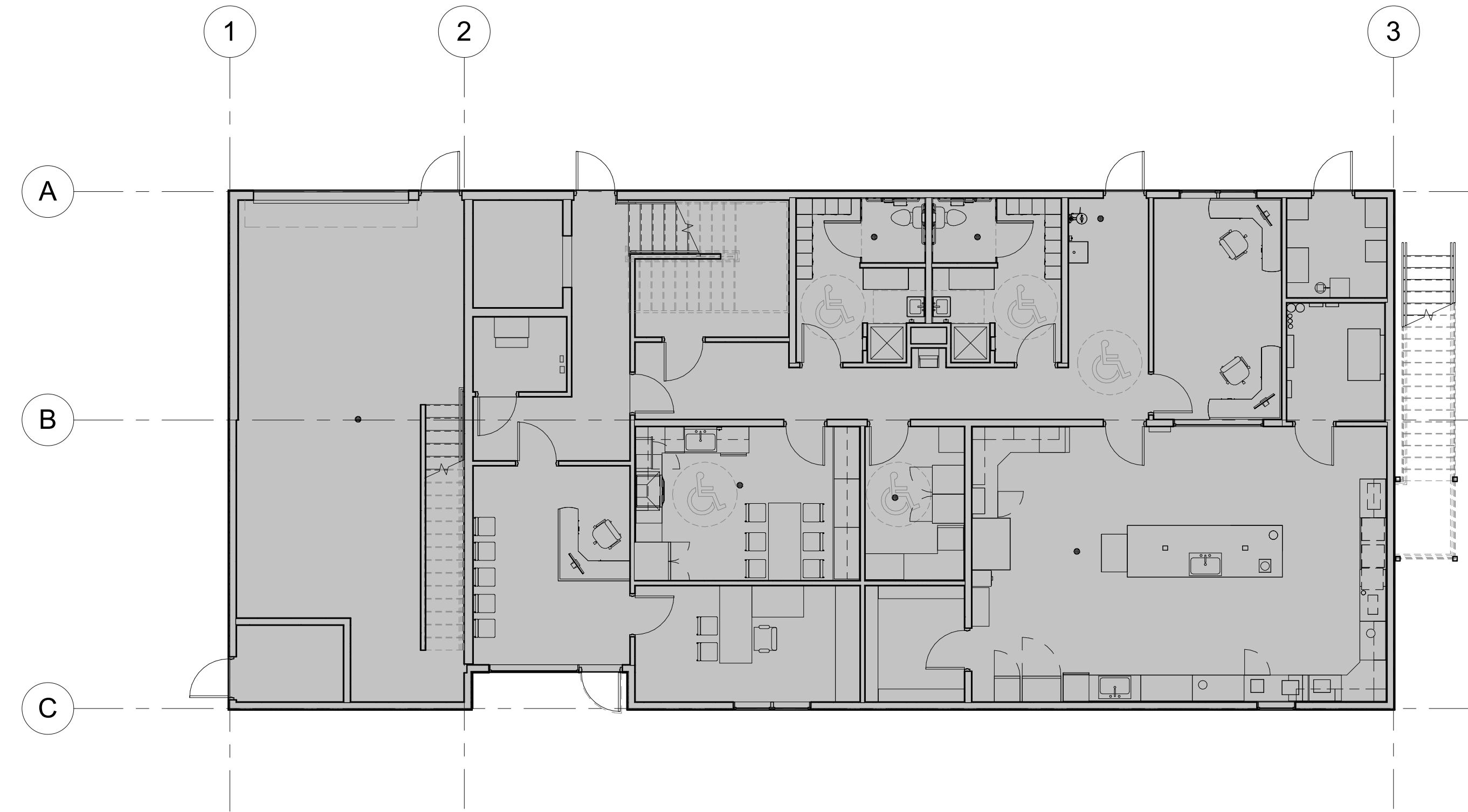
EXTERIOR CONCRETE STAIRCASE DETAIL
N.T.S.



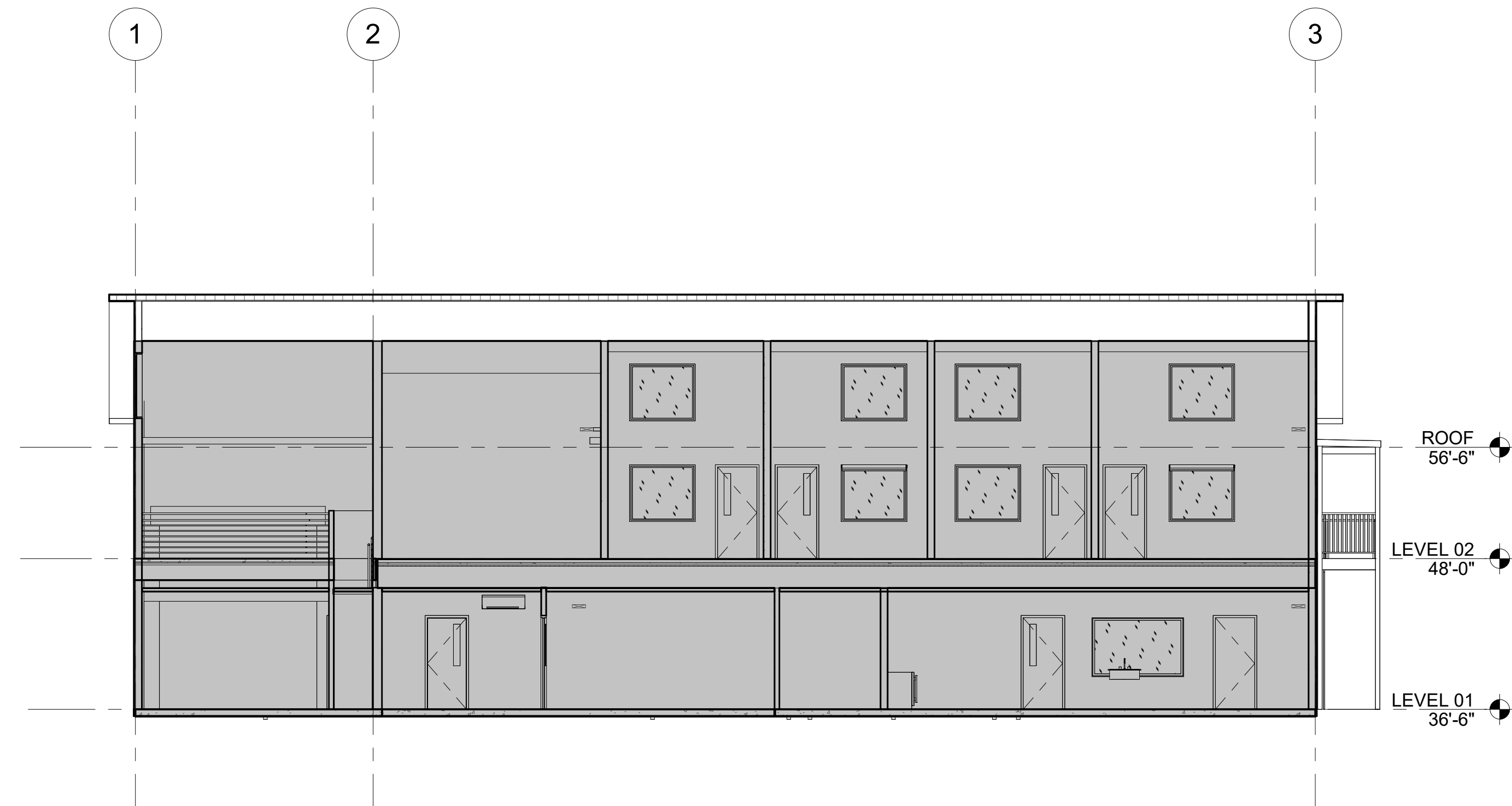
MODULAR BLOCK WALL PROFILE
SCALE: 1" = 5' (HORIZ & VERT.)



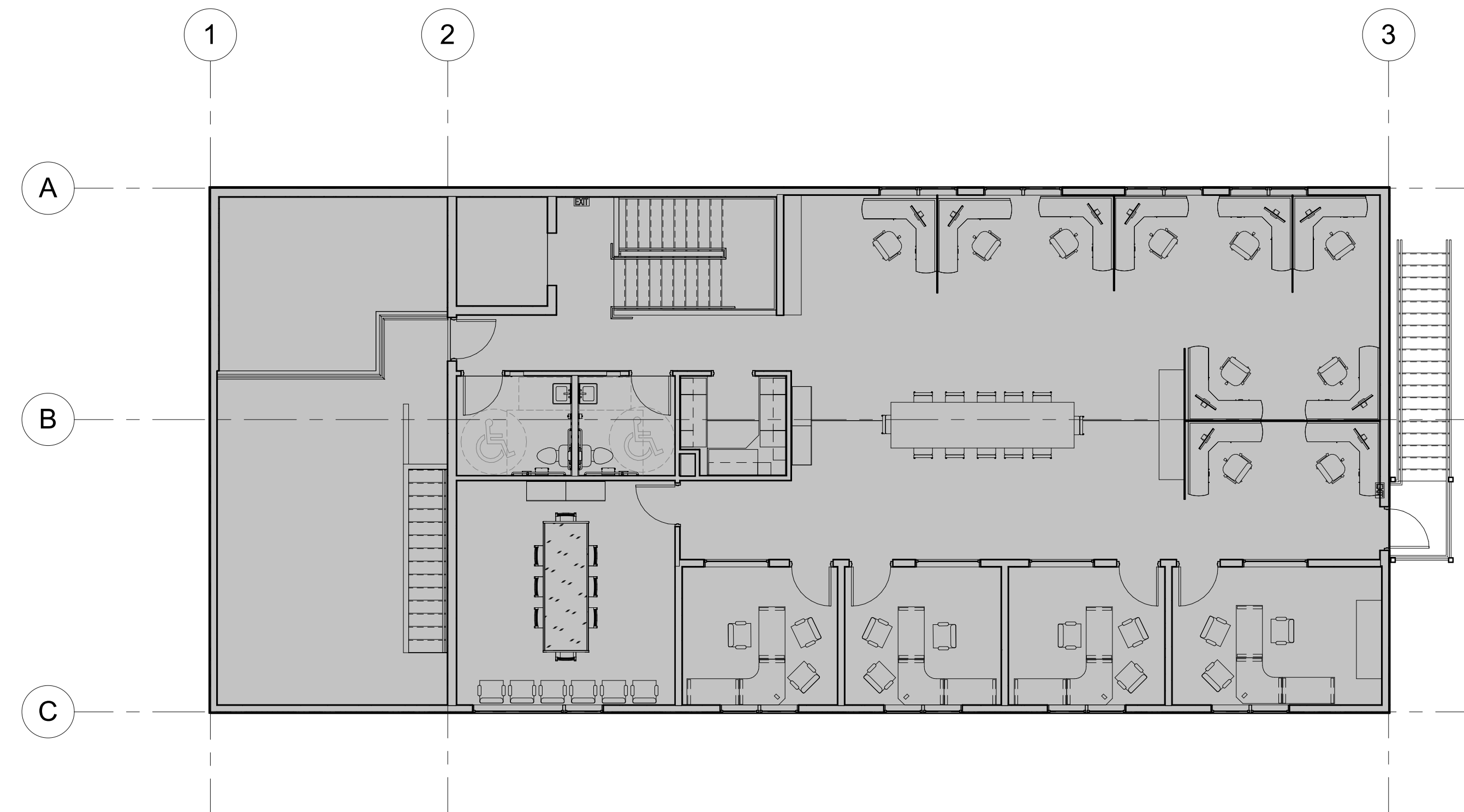
3 AIR BARRIER SECTION A
A1.10 Scale: 1/8" = 1'-0"



1 LEVEL 01 AIR BARRIER PLAN
A1.10 Scale: 1/8" = 1'-0"



4 AIR BARRIER SECTION B
A1.10 Scale: 1/8" = 1'-0"



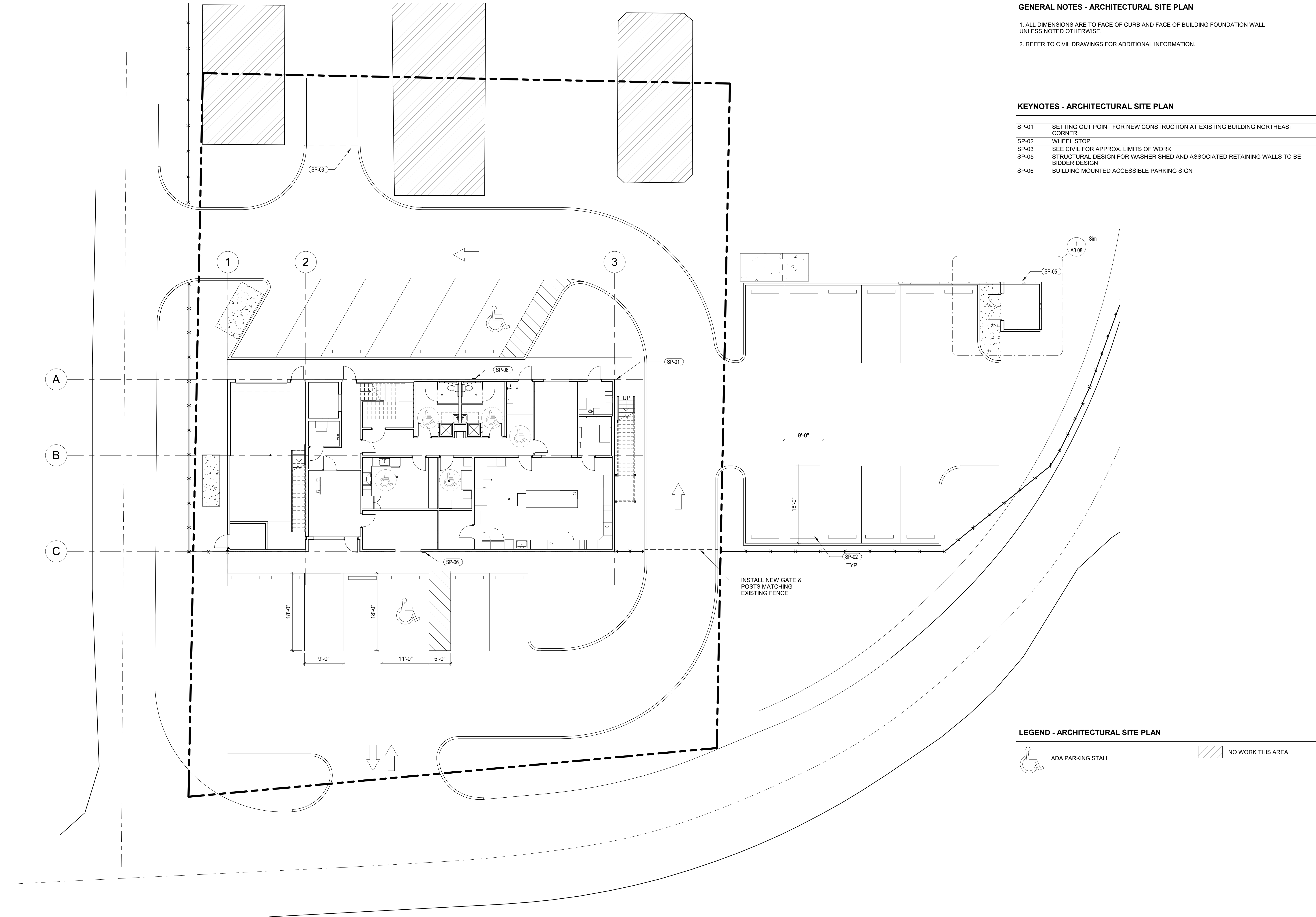
2 LEVEL 02 AIR BARRIER PLAN
A1.10 Scale: 1/8" = 1'-0"

GENERAL NOTES - ARCHITECTURAL SITE PLAN

1. ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF BUILDING FOUNDATION WALL UNLESS NOTED OTHERWISE.
2. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

KEYNOTES - ARCHITECTURAL SITE PLAN

SP-01	SETTING OUT POINT FOR NEW CONSTRUCTION AT EXISTING BUILDING NORTHEAST CORNER
SP-02	WHEEL STOP
SP-03	SEE CIVIL FOR APPROX. LIMITS OF WORK
SP-05	STRUCTURAL DESIGN FOR WASHER SHED AND ASSOCIATED RETAINING WALLS TO BE BIDDER DESIGN
SP-06	BUILDING MOUNTED ACCESSIBLE PARKING SIGN

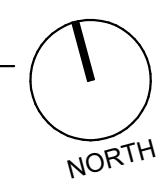


TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

LEGEND - ARCHITECTURAL SITE PLAN

- ADA PARKING STALL
- NO WORK THIS AREA

ISSUE LIST
BID ISSUE 03/21/2024




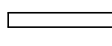
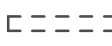
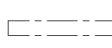
GENERAL NOTES - DEMOLITION PLAN

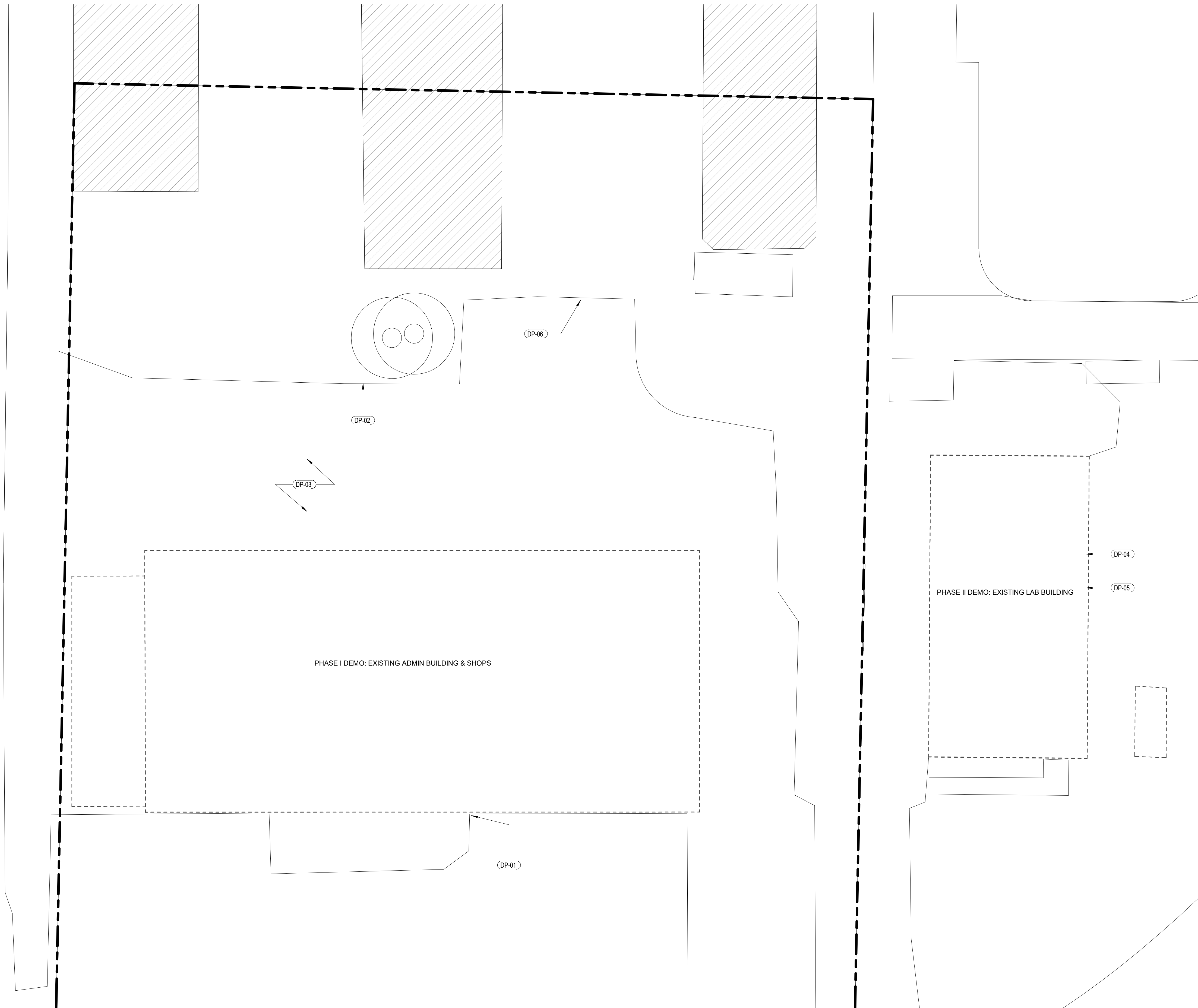
1. PRIOR TO DEMOLITION, GENERAL CONTRACTOR TO VISIT THE SITE AND VERIFY EXTENT OF DEMOLITION ACTIVITIES REQUIRED FOR NEW CONSTRUCTION
2. REMOVE ALL DEBRIS AND GARBAGE PRIOR TO START OF CONSTRUCTION. REPAIR SUBSTRATES AS REQUIRED FOR NEW FINISHES
3. COORDINATE CONSTRUCTION SCHEDULE WITH ARCHITECT AND BUILDING OWNER TO MINIMIZE DISRUPTIONS TO BUSINESS HOUR OPERATIONS
4. THE CONTRACTOR SHALL ENSURE THAT THIS PROJECT AND ALL CONSTRUCTION ACTIVITIES RELATED THERETO CONFORM WITH ALL LOCAL, REGIONAL, STATE AND/OR FEDERAL REGULATIONS PERTAINING TO DISTURBING, DISPLACING, AND/OR REMOVAL OF ASBESTOS OR ASBESTOS CONTAINING MATERIALS. NOTE SPECIFICALLY THAT FOR PROJECTS IN WASHINGTON STATE, THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF THE PUGET SOUND AIR POLLUTION CONTROL AGENCY REGARDING INSPECTION, CERTIFICATION, AND NOTIFICATION
5. ALL SALVAGED ITEMS SHALL BE RETURNED TO BUILDING OWNER AT OWNER'S OPTION. ALL UNWANTED MATERIAL SHALL BE DISPOSED OF PROPERLY
6. DEMO ALL EXISTING SITE UTILITIES AS NECESSARY TO ACCOMMODATE NEW WORK
7. ALL DEMOLISHED AND UNUSED CABLE AND WIRING TO BE DEMOLISHED BACK TO SOURCE

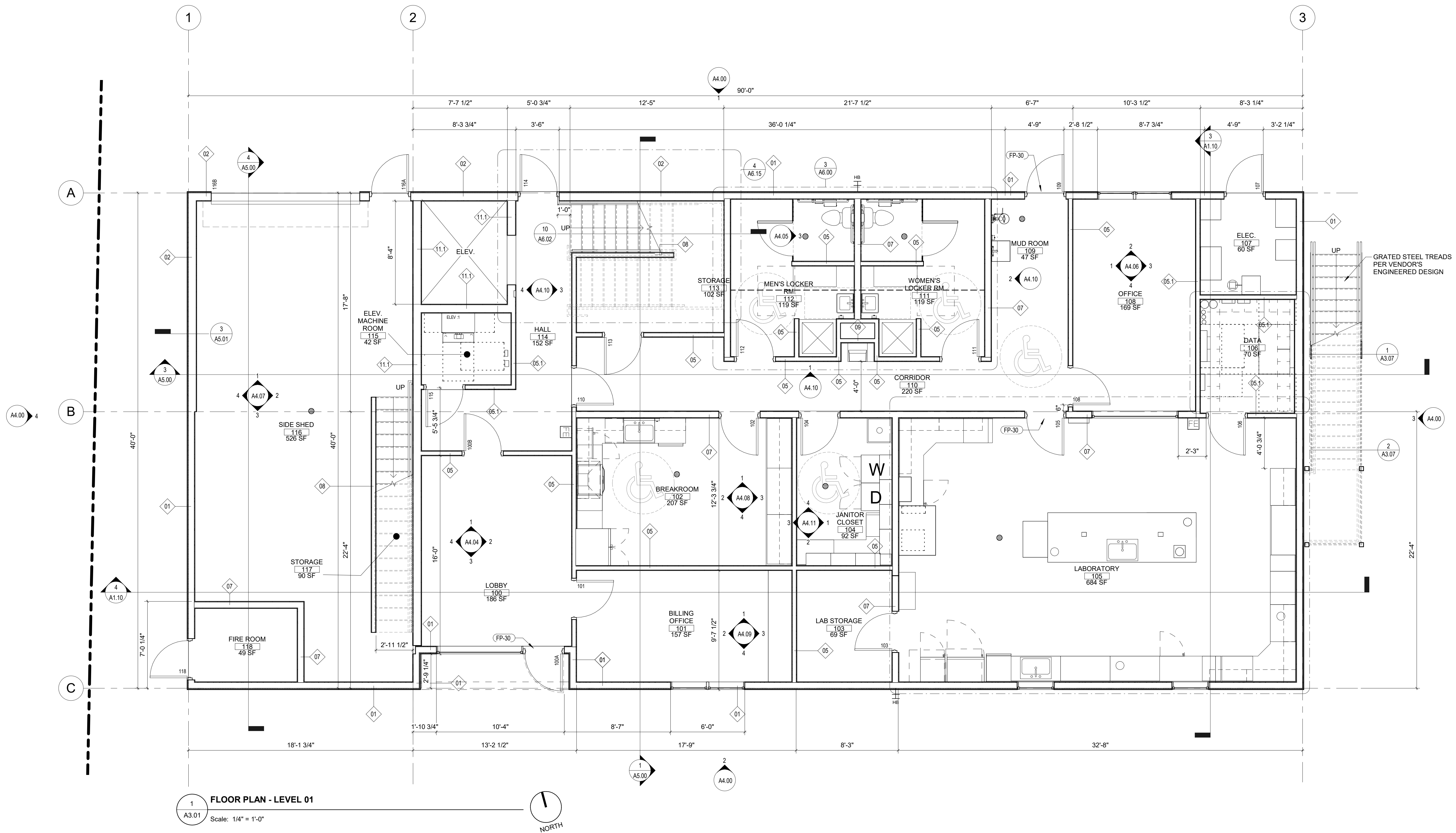
KEYNOTES - DEMOLITION PLAN

- | | |
|-------|--|
| DP-01 | DEMOLISH EXISTING ADMIN & SHOP BUILDING, INCLUDING SLAB, FOOTINGS, AND UTILITIES, TO ACCOMMODATE NEW CONSTRUCTION |
| DP-02 | CUT BACK SITE PAVING TO LIMITS ON CIVIL PLANS TO ACCOMMODATE NEW PAVING. EXCAVATE UNDERLAY AS NECESSARY TO ACCOMMODATE NEW BUILDING |
| DP-03 | CUT BACK SITE UTILITIES TO EXTENT NECESSARY TO ACCOMMODATE NEW UTILITIES PER CIVIL PLANS |
| DP-04 | DEMOLISH EXISTING LAB BUILDING ONCE NEW FACILITY IS OPERATIONAL. REMOVE SLAB, FOOTINGS AND UTILITIES AS NECESSARY TO ACCOMMODATE NEW PARKING LOT CONSTRUCTION. |
| DP-05 | COORDINATE SALVAGE, RELOCATION OR CONTINUED OPERATION OF CONTROL OR OTHER SYSTEMS WITH OWNER |
| DP-06 | SEE CIVIL FOR APPROX. LIMITS OF WORK |

LEGEND - DEMOLITION PLAN

-  NO WORK THIS AREA
-  EXISTING CONSTRUCTION / ELEMENT TO REMAIN
-  EXISTING CONSTRUCTION / ELEMENT TO BE REMOVED
-  APPROX. EXTENTS OF WORK





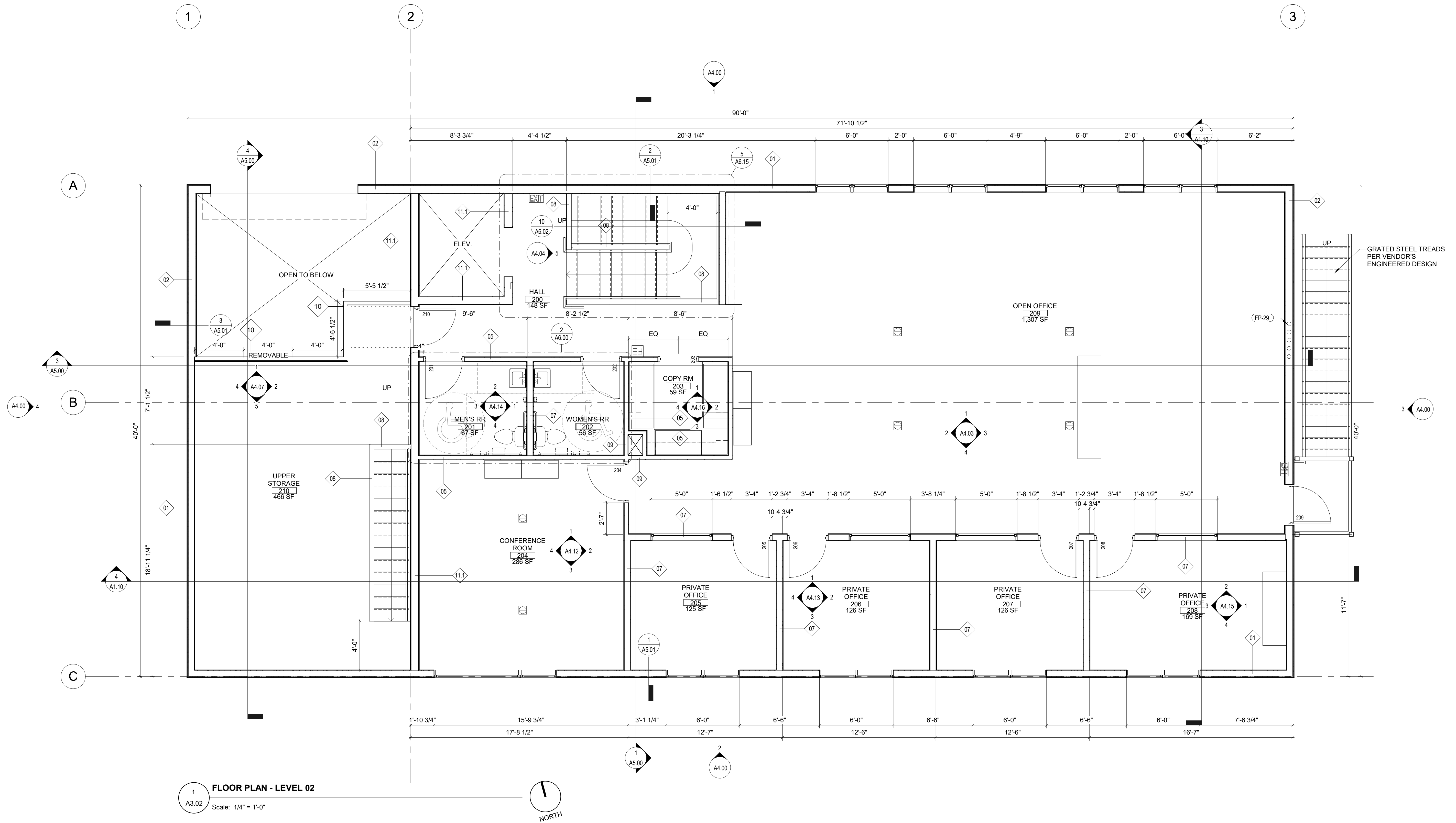
1 FLOOR PLAN - LEVEL 01
A3.01 Scale: 1/4" = 1'-0"

GENERAL NOTES - FLOOR PLAN

1. USE GREENBOARD IN ALL WET ROOMS: MUD ROM, LOCKER ROOMS, LAB, RESTROOMS, BREAK ROOM, JANITOR CLOSET, BACK CORRIDOR.
2. USE ACOUSTICAL BATT INSULATION AT ALL MECHANICAL, SHAFT, MACHINE ROOM ENCLOSURES, AND AT RESTROOMS.
3. USE THERMAL INSULATION AT ALL EXTERIOR WALLS, AND AT INTERIOR WALLS DIVIDING SHED FROM REST OF BUILDING.
4. WALL TYPES SHOWN WITH INTERIOR GWB SURFACE. FOR ADDITIONAL FINISH MATERIALS SEE INTERIOR ELEVATIONS.
5. SEE EXTERIOR ELEVATIONS FOR FINISH SIDING TYPES.
6. ELEVATOR SHAFT CONSTRUCTION PROVIDES 1 HOUR RATING.
7. DOORS TO BE INSTALLED WITH 4 INCH CLEARANCE FROM WALL. (UNO)

WALL SCHEDULE

01	MTL SD - 3/4" FURR - SHEATH - 6" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	NON-RATED
02	MTL SD - 3/4" FURR - SHEATH - 8" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	NON-RATED
05	5/8" GWB - 4" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	1-HR RATING PER PER SBC TABLE 720.1 ITEM NUMBER 4-1
07	5/8" GWB - 6" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	NON-RATED
08	5/8" GWB - 4" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	NON-RATED
09	5/8" GWB - 4" WD STUD	TO UNDERSIDE OF STRUCTURE	NON-RATED
12	5/8" GWB - 8" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	NON-RATED
20	6" CONCRETE	FULL HEIGHT	NON-RATED



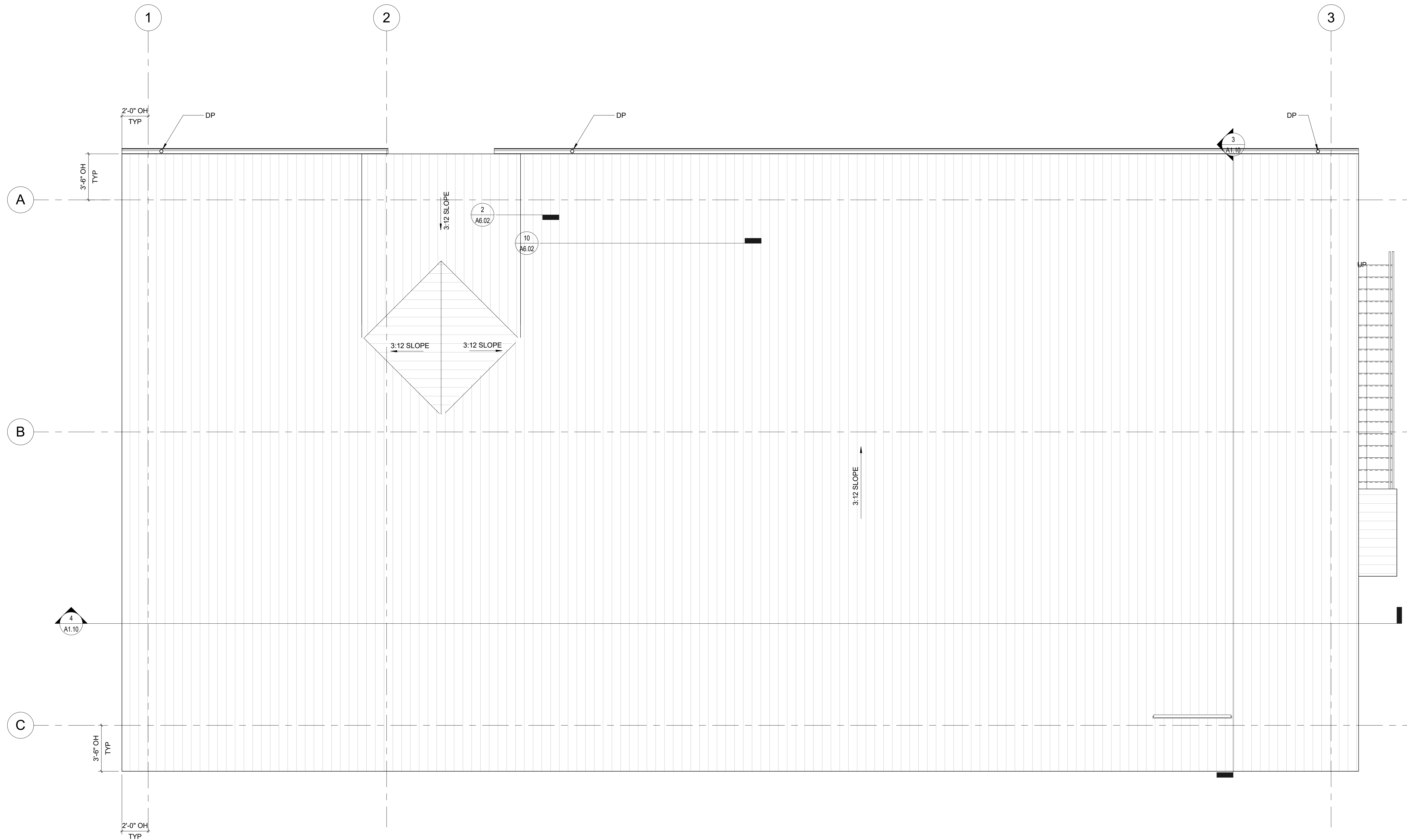
GRADED STEEL TREADS
PER VENDOR'S
ENGINEERED DESIGN

GENERAL NOTES - FLOOR PLAN

1. USE GREENBOARD IN ALL WET ROOMS: MUD ROOM, LOCKER ROOMS, LAB, RESTROOMS, BREAK ROOM, JANITOR CLOSET, BACK CORRIDOR.
2. USE ACOUSTICAL BATT INSULATION AT ALL MECHANICAL, SHAFT, MACHINE ROOM ENCLOSURES, AND AT RESTROOMS.
3. USE THERMAL INSULATION AT ALL EXTERIOR WALLS, AND AT INTERIOR WALLS DIVIDING SHED FROM REST OF BUILDING.
4. WALL TYPES SHOWN WITH INTERIOR GWB SURFACE. FOR ADDITIONAL FINISH MATERIALS SEE INTERIOR ELEVATIONS.
5. SEE EXTERIOR ELEVATIONS FOR FINISH SIDING TYPES.
6. ELEVATOR SHAFT CONSTRUCTION PROVIDES 1 HOUR RATING.
7. DOORS TO BE INSTALLED WITH 4 INCH CLEARANCE FROM WALL. (UNO)

WALL SCHEDULE

01	MTL SD - 3/4" FURR - SHEATH - 6" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	NON-RATED
02	MTL SD - 3/4" FURR - SHEATH - 8" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	NON-RATED
05	5/8" GWB - 4" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	1-HR RATING PER PER SBC TABLE 720.1 ITEM NUMBER 4-1
07	5/8" GWB - 6" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	NON-RATED
08	5/8" GWB - 4" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	NON-RATED
09	5/8" GWB - 4" WD STUD	TO UNDERSIDE OF STRUCTURE	NON-RATED
12	5/8" GWB - 8" WD STUD - 5/8" GWB	TO UNDERSIDE OF STRUCTURE	NON-RATED
20	6" CONCRETE	FULL HEIGHT	NON-RATED



1
A3.03 **ROOF PLAN**
Scale: 1/4" = 1'-0"



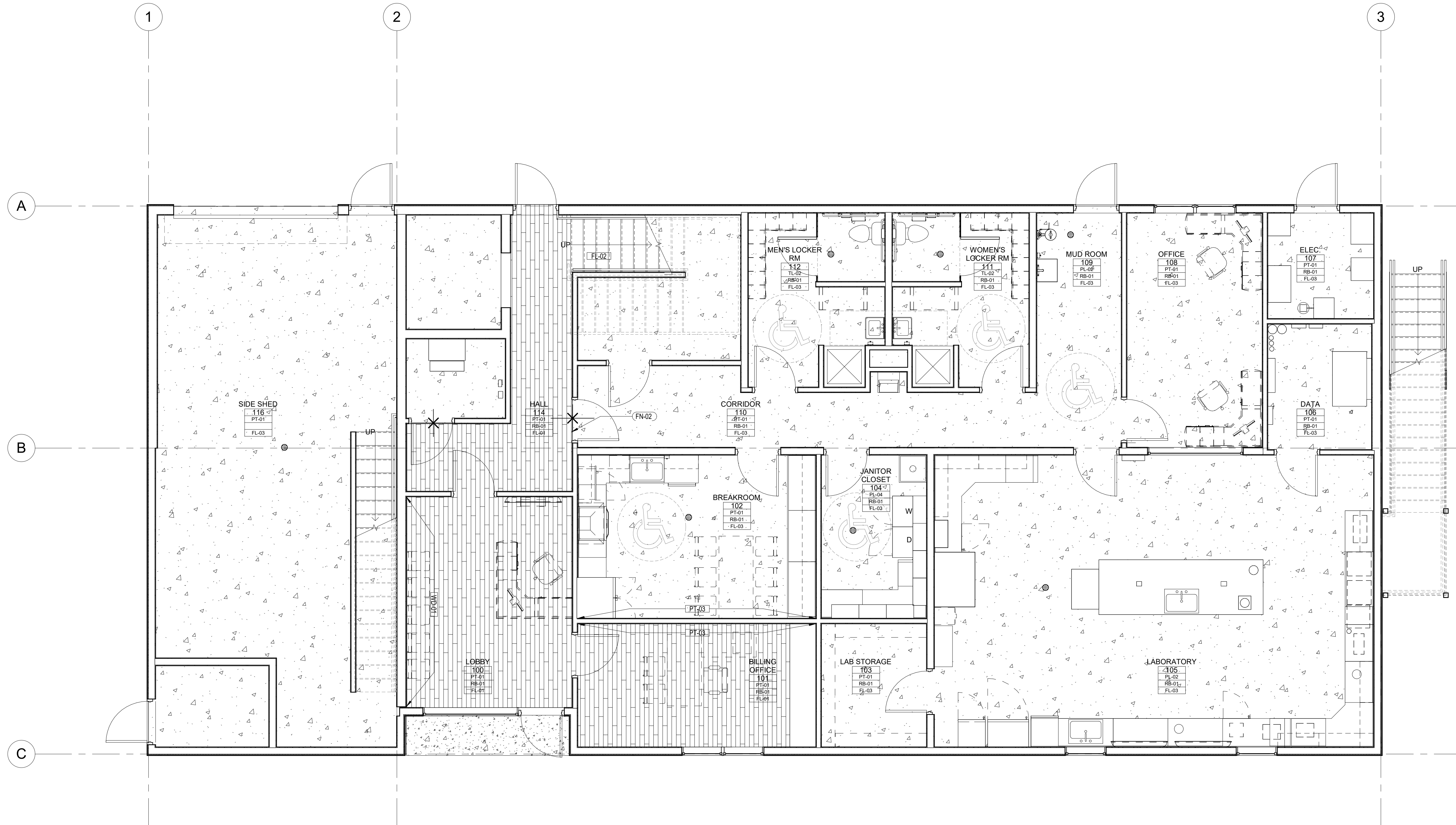
GENERAL NOTES - ROOF PLAN

1. HVAC EQUIPMENT SIZES AND LOCATIONS ARE APPROXIMATE. COORDINATE FINAL LOCATIONS AND SIZES WITH FINAL LAYOUT, ARCHITECT, AND MECHANICAL ENGINEER.
2. VERIFY SIZE, QUANTITY, AND LOCATION OF ALL TOILET EXHAUST FANS.
3. SEE DETAILS FOR TYPICAL PIPE PENETRATION DETAILS.
4. SEE DETAILS FOR TYPICAL FLASHING DETAILS.

ROOF DRAINAGE CALCULATIONS

REF: 2018 UNIFORM PLUMBING CODE

RAINFALL: 1-HR DURATION, 100 YEAR OCCURANCE, PER IPC APPENDIX B:	1/4" / HR.
TOTAL ROOF AREA:	4,418 SF
NUMBER OF DRAINS:	3
AREA PER DRAIN:	1,473 SF
GPM PER DRAIN:	92
DRAIN SIZE PER TABLE 1106.3	3" DIA.



1 FINISH PLAN - LEVEL 01
A3.04 Scale: 1/4" = 1'-0"



GENERAL NOTES - FINISH PLAN

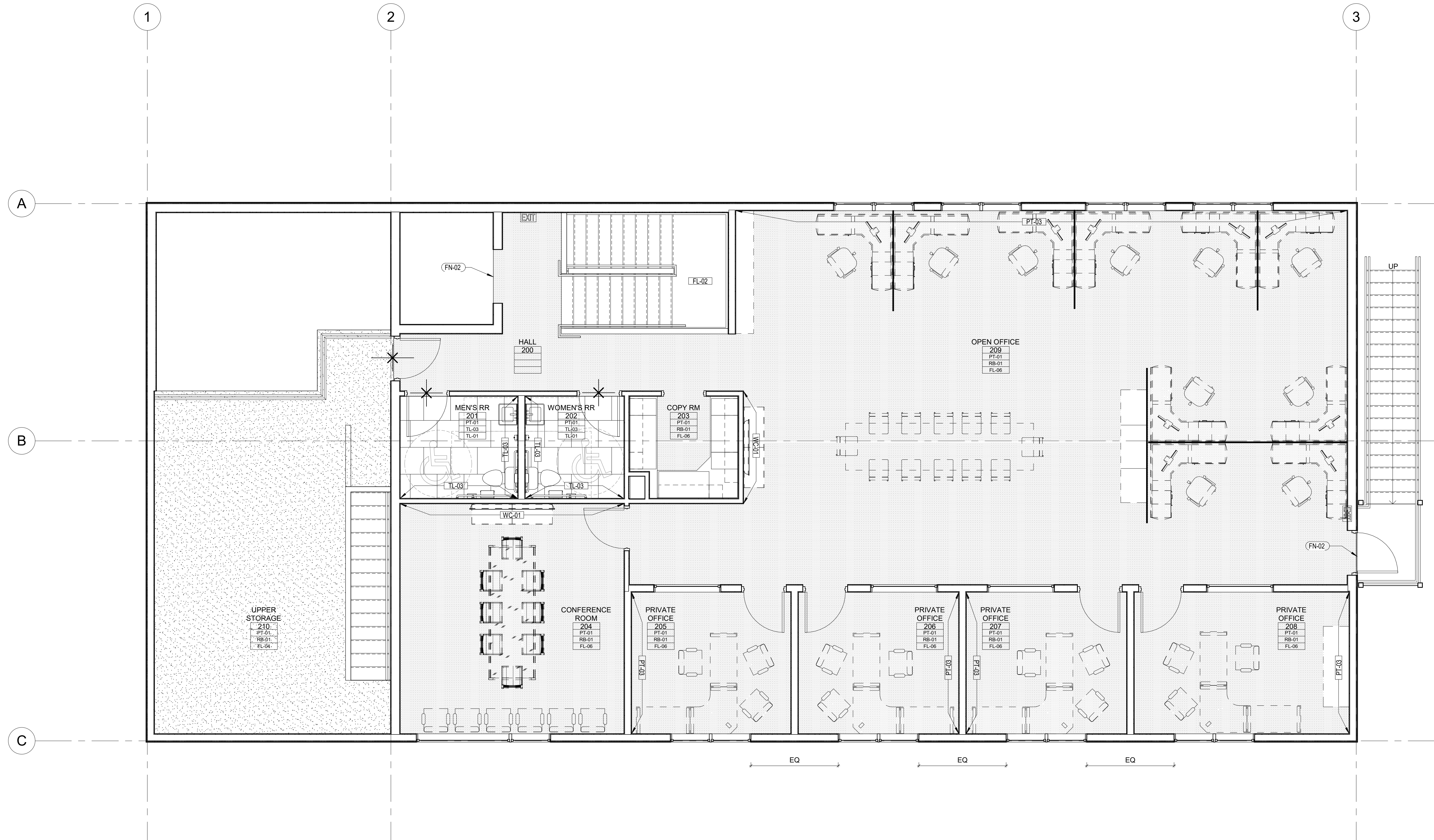
- ALL SURFACES ARE TO BE UNIFORM AND IN "LIKE-NEW" CONDITION.
- SUBMIT FINISH SAMPLES TO OWNER FOR APPROVAL PRIOR TO ORDERING MATERIAL.
- ANY ITEMS OR SURFACES WHICH ARE UNSPECIFIED AS TO MATERIAL AND/OR COLOR ARE TO BE BROUGHT TO THE DESIGNERS ATTENTION FOR SPECIFICATION
- HEIGHT DIFFERENCES BETWEEN FLOORING MATERIALS SHALL BEVEL AT A RATIO OF 1:2 IF GREATER THAN 1/4" PER ADA ACCESSIBILITY CODES.
- USE RUBBER REDUCER STRIP AT ALL DISSIMILAR FLOORING TRANSITIONS TO MATCH SPECIFIED RUBBER BASE (UNO).
- GENERAL WALL FINISH TO BE SMOOTH, LEVEL 4, PLUS FIRST COAT (PRIME COAT); AREAS WITH HIGH SUN EXPOSURE TO BE LEVEL 5.
- ALL PAINTED AREAS TO RECEIVE ONE (1) COAT TINTED LATEX WALL PRIMER AND TWO (2) COATS PAINT WITH FINAL COAT APPLIED AFTER GENERAL TOUCHUP IS COMPLETED. USE 1/2" TO 3/8" NAP ROLLER.
- ALL PAINT TO BE LOW VOC.
- PAINT FINISHES:
GENERAL CONDITIONS: EGGSHELL
SOFFITS/CEILINGS: FLAT FINISH
WET AREAS: SEMI-GLOSS
PAINT GRADE DOORS & TRIM: SEMI-GLOSS LATEX ENAMEL
- SEE ENLARGED PLAN FOR LAB LAYOUT.

KEYNOTES - FINISH PLAN

FN-02 TRANSITION - VINYL REDUCER TO BEST MATCH COLOR OF RF-01

LEGEND - FINISH PLAN

	ROOM NAME		LVT PLANK FLOORING
	ROOM FINISH; SEE FINISH SCHEDULE		RUBBER SHEET FLOORING
	WALL FINISH; SEE FINISH SCHEDULE		SEALED CONCRETE
	FLOORING TRANSITION		EPOXY FLOORING
	FLOOR TILE		CARPET TILE FLOORING



1 FINISH PLAN LEVEL 2
A3.05 Scale: 1/4" = 1'-0"



GENERAL NOTES - FINISH PLAN

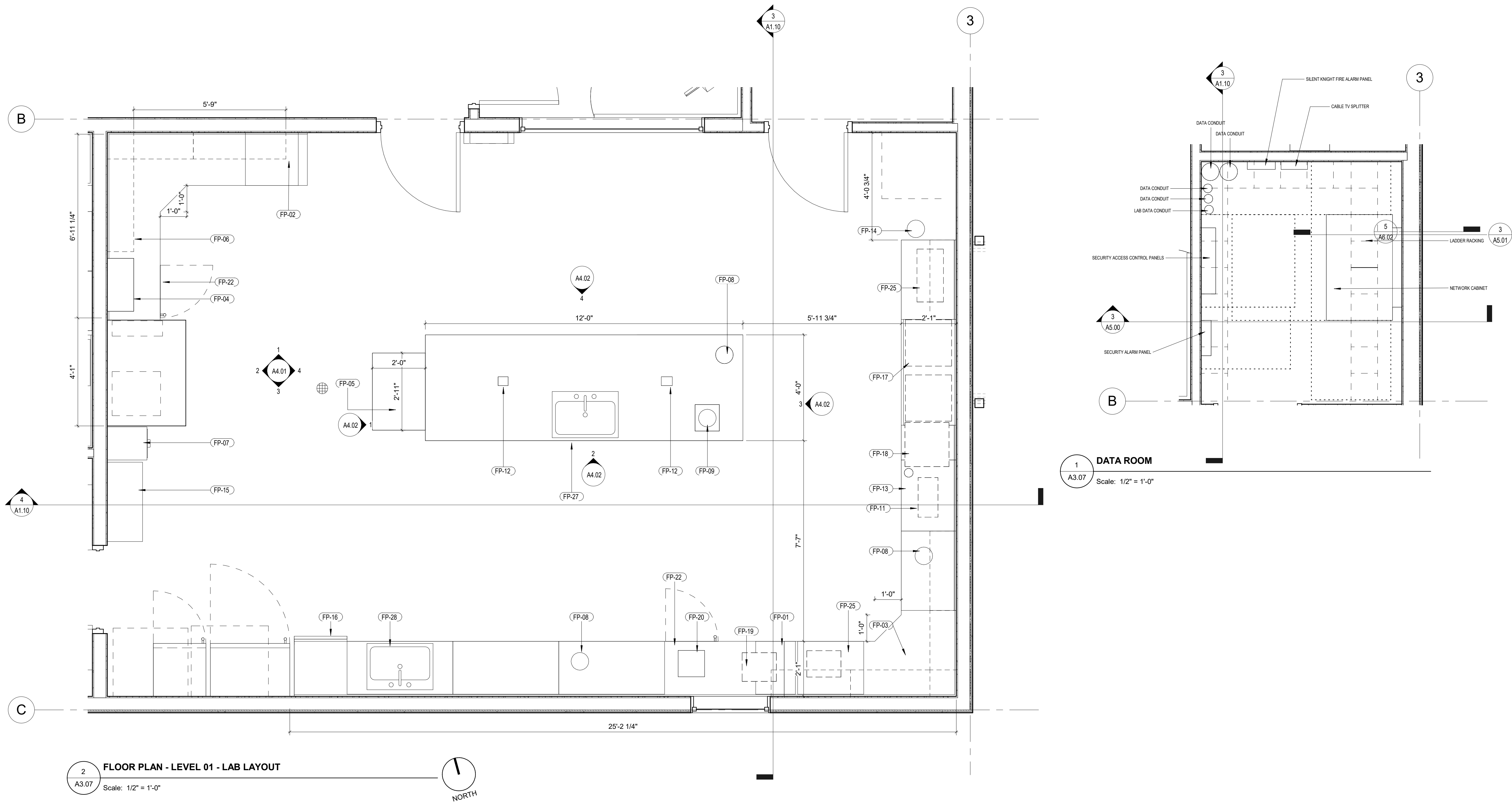
- ALL SURFACES ARE TO BE UNIFORM AND IN "LIKE-NEW" CONDITION.
- SUBMIT FINISH SAMPLES TO OWNER FOR APPROVAL PRIOR TO ORDERING MATERIAL.
- ANY ITEMS OR SURFACES WHICH ARE UNSPECIFIED AS TO MATERIAL AND/OR COLOR ARE TO BE BROUGHT TO THE DESIGNERS ATTENTION FOR SPECIFICATION
- HEIGHT DIFFERENCES BETWEEN FLOORING MATERIALS SHALL BEVEL AT A RATIO OF 1:2 IF GREATER THAN 1/4" PER ADA ACCESSIBILITY CODES.
- USE RUBBER REDUCER STRIP AT ALL DISSIMILAR FLOORING TRANSITIONS TO MATCH SPECIFIED RUBBER BASE (UNO).
- GENERAL WALL FINISH TO BE SMOOTH, LEVEL 4, PLUS FIRST COAT (PRIME COAT); AREAS WITH HIGH SUN EXPOSURE TO BE LEVEL 5.
- ALL PAINTED AREAS TO RECEIVE ONE (1) COAT TINTED LATEX WALL PRIMER AND TWO (2) COATS PAINT WITH FINAL COAT APPLIED AFTER GENERAL TOUCHUP IS COMPLETED. USE 1/2" TO 3/8" NAP ROLLER.
- ALL PAINT TO BE LOW VOC.
- PAINT FINISHES:
GENERAL CONDITIONS: EGGSHELL
SOFFITS/CEILINGS: FLAT FINISH
WET AREAS: SEMI-GLOSS
PAINT GRADE DOORS & TRIM: SEMI-GLOSS LATEX ENAMEL
- SEE ENLARGED PLAN FOR LAB LAYOUT.

KEYNOTES - FINISH PLAN

FN-02 TRANSITION - VINYL REDUCER TO BEST MATCH COLOR OF RF-01

LEGEND - FINISH PLAN

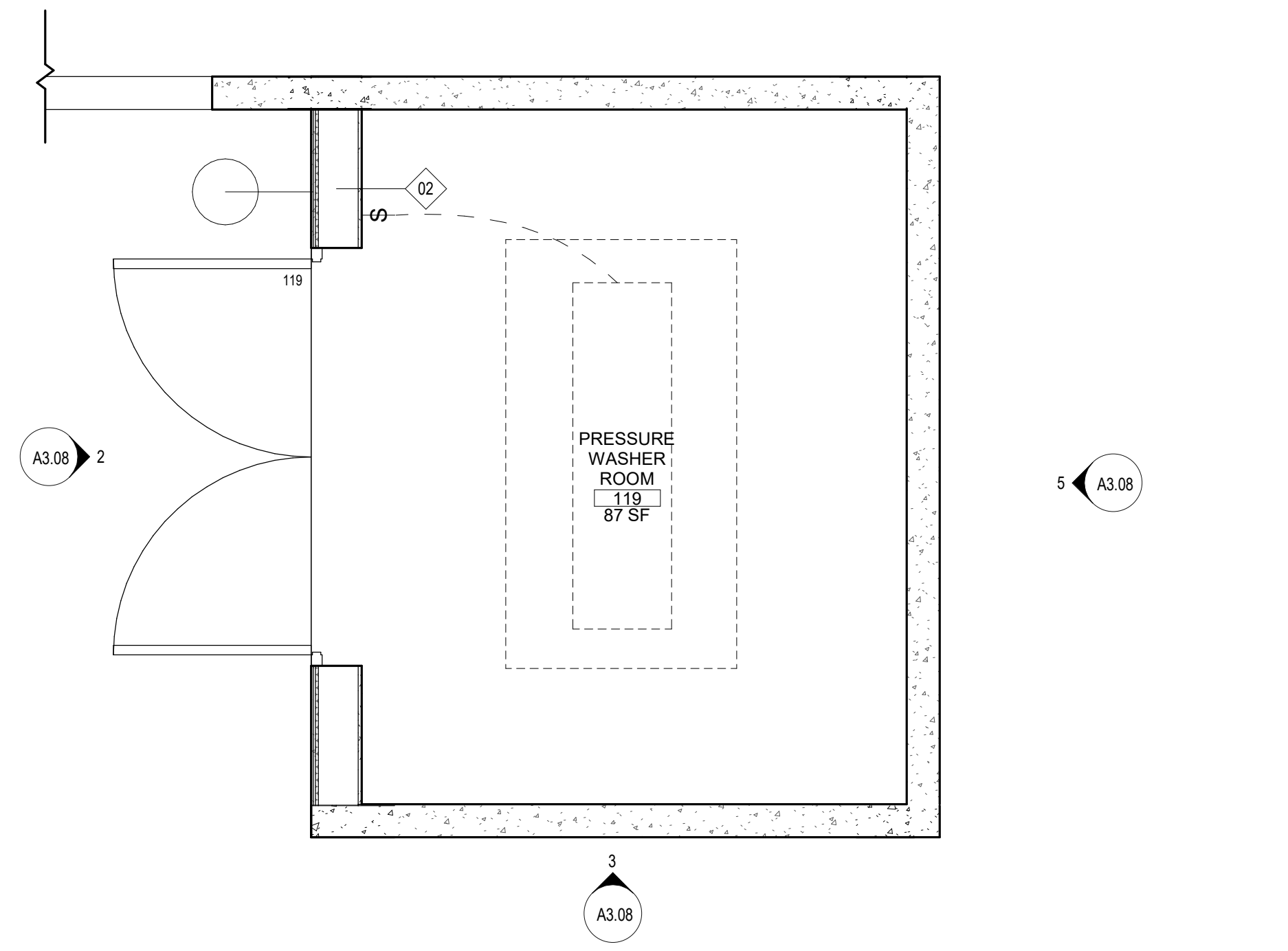
ROOM NAME	ROOM FINISH:		
100 XXX-X XXX-X XXX-X	SEE FINISH SCHEDULE		LVT PLANK FLOORING
XX-XX	SEE FINISH SCHEDULE		RUBBER SHEET FLOORING
	FLOORING TRANSITION		SEALED CONCRETE
	FLOOR TILE		EPOXY FLOORING
			CARPET TILE FLOORING



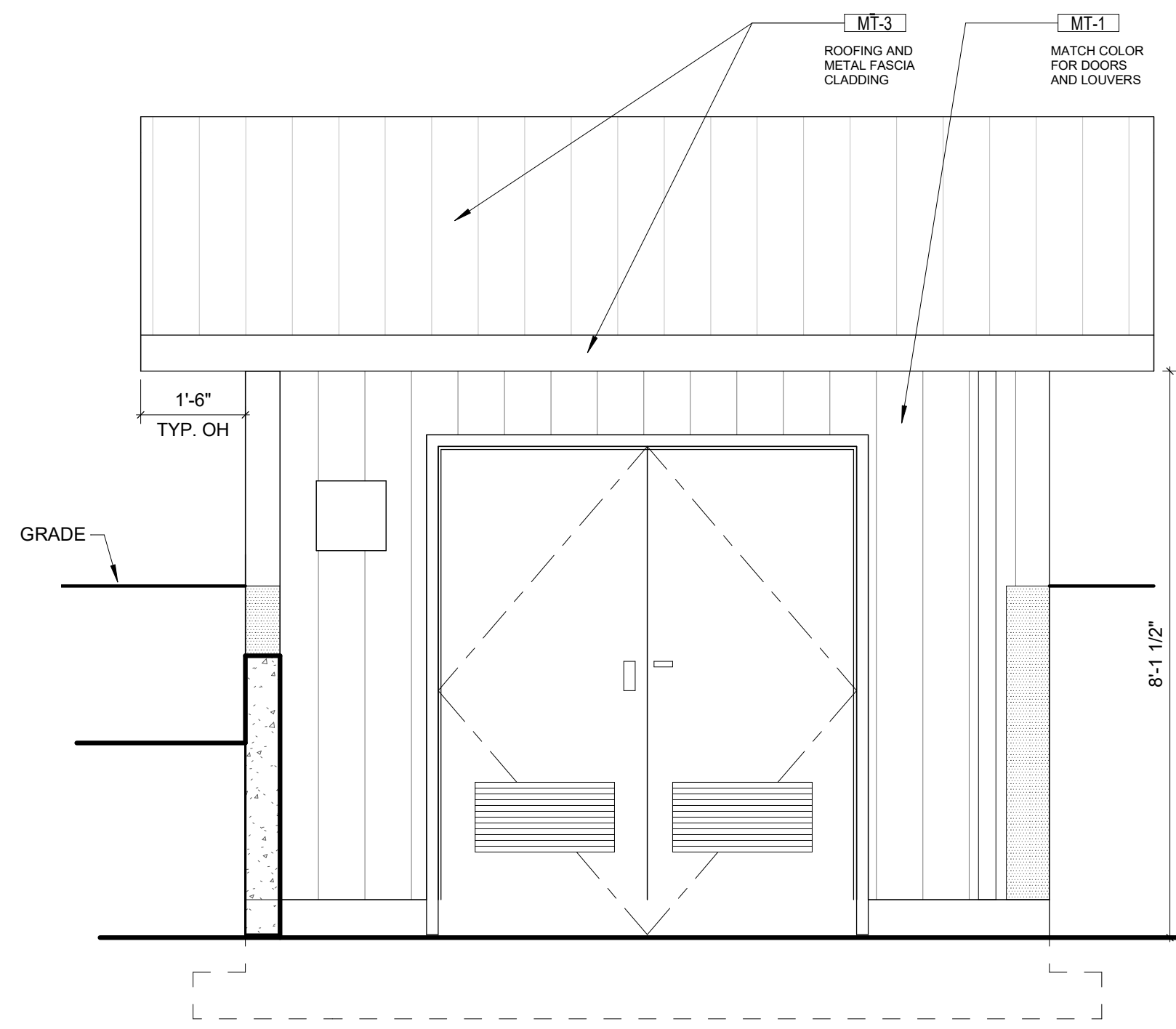
2 FLOOR PLAN - LEVEL 01 - LAB LAYOUT
A3.07 Scale: 1/2" = 1'-0"

LAB EQUIPMENT SCHEDULE

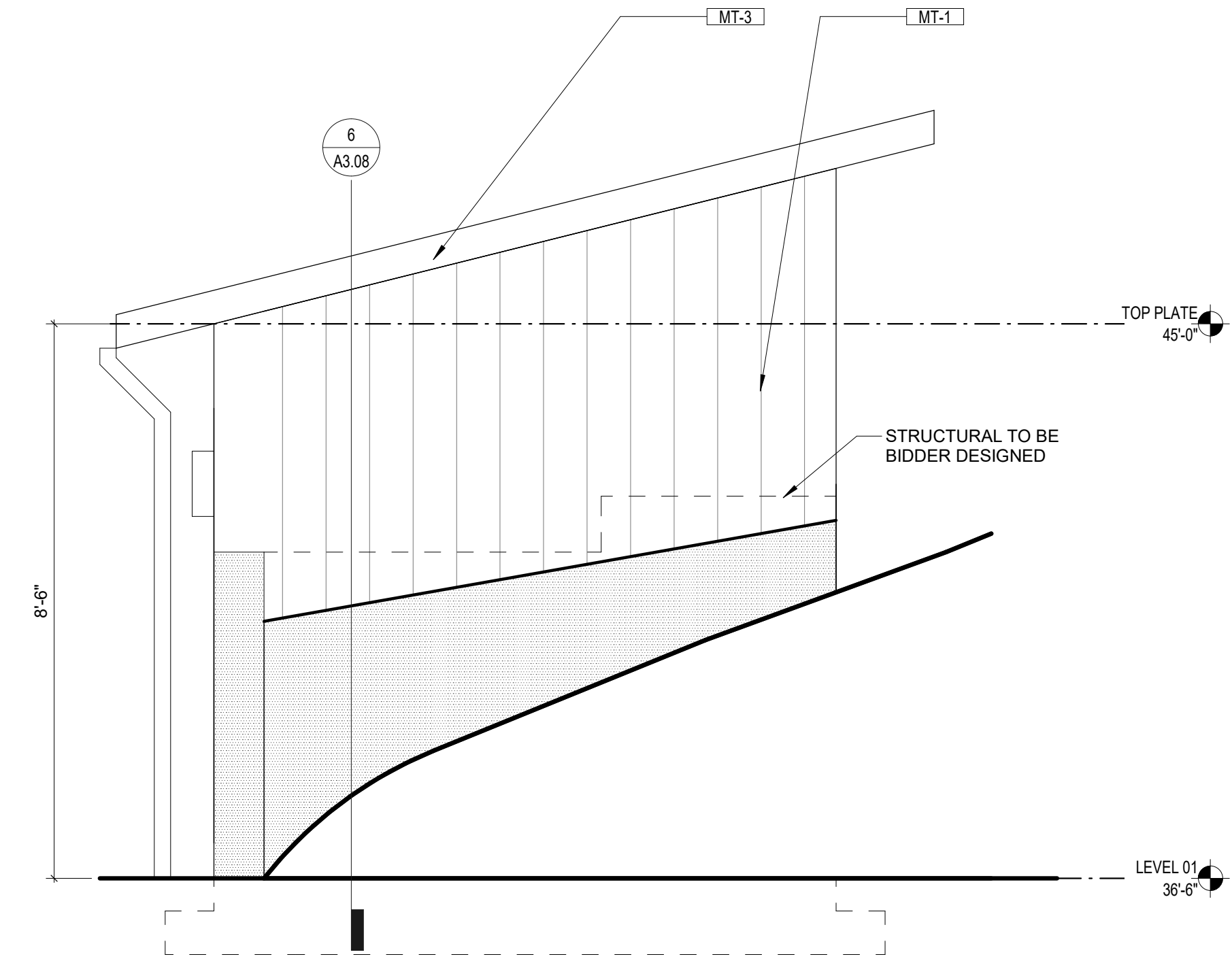
LAB EQUIPMENT SCHEDULE										
Mark	Description	Manufacturer	Model	Depth	Width	Height	Electrical	Mechanical	Comments	Responsibility
FP-01	2 DRAWER LEGAL FILE CABINET	VERIFY	VERIFY	18"	15"	34"	NA	NA	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	OFOI
FP-02	LOCKABLE CABINETS - UPPER AND LOWER	VERIFY	VERIFY	24"	24"	34 1/2"	NA	NA	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	OFOI
FP-03	STAINLESS STEEL COUNTER W/ 6" BACKSPASH PROVIDED RAISED LEDGE, ALL SIDES, TYPICAL AT UPPER COUNTERS	VERIFY	VERIFY	24"	VARIABLES	VARIABLES	NA	NA	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	CFCI
FP-04	FILE ORGANIZER WALL MOUNTED	VERIFY	VERIFY	12"	24"	30"	NA	NA	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	CFCI
FP-05	SCALE STATION	VERIFY	VERIFY	12"	24"	-	NA	NA	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	CFCI
FP-06	UPPER CABINET WITH UNDER CABINET LIGHTING, TYPICAL	VERIFY	VERIFY	12"	42"	30"	NA	NA	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	CFCI
FP-07	4 DRAWER LEGAL FILE CABINET	VERIFY	VERIFY	18"	15"	52"	NA	NA	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	OFOI
FP-08	TRASH HOLE WITH FLUSH EPOXY CENTER	VERIFY	VERIFY	8" DIA.	8" DIA.	-	NA	NA	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	CFCI
FP-09	MICROSCOPE, ADJUSTABLE BASE	VERIFY	VERIFY	11"	12"	-	VERIFY	VERIFY	PROVIDED POWER AND DATA AT ISLAND, VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	OFOI
FP-10	(2) WALL MOUNTED TV MONITORS	VERIFY	VERIFY	4.5"	43.5"	24.5"	VERIFY	VERIFY	50" DIAGONAL, VERIFY PRODUCT AND REQUIREMENTS	CFCI
FP-11	STILL	THERMO SCIENTIFIC	MP-1	9 3/4"	18"	34"	120V / 9A	SEE PRODUCT REQUIREMENTS	SEE PLUMBING FOR ADJACENT WATER SUPPLY AND DRAIN LOCATIONS	OFOI
FP-12	SURFACE MOUNTED POWER OUTLETS SET ON 1/2" EPOXY BLOCKS TO MATCH OUTLET FOOTPRINT	VERIFY	VERIFY	4.5"	5"	-	VERIFY	VERIFY	TYPICAL AT ISLANDS, SEE ELECTRICAL, VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	CFCI
FP-13	CUP SINK	VERIFY	VERIFY	4"	4"	-	VERIFY	VERIFY	SEE PLUMBING, VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	CFCI
FP-14	DESSICATOR	NAUGENE	38000	-	-	-	NA	NA	FITS 230 mm DESICCATOR PLATE	OFOI
FP-15	FULL HEIGHT GLASSWARE STORAGE	VERIFY	VERIFY	16"	36"	84"	NA	NA	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	OFOI
FP-16	GLASSWARE DISHWASHER	LABCONCO	STEAMSCRUBBER 4400330	27.4"	24.1"	34.1" - 36.1" ADJUSTABLE	115VAC, 60HZ, 16A	HOT AND PURIFIED WATER	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	OFOI
FP-17	(2) TSS LAB OVEN	THERMO SCIENTIFIC	HERATHERM 51028112	22 1/4"	21"	28 1/2"	120V / 60HZ / 14.4A	NA	VERIFY PRODUCT AND REQUIREMENTS	OFOI
FP-18	AUTOClave	TUTTNAUER	2340M	20"	20"	15"	120V / 60HZ	NA	5 GALLON, VERIFY REQUIREMENTS	OFOI
FP-19	FECAL COLIFORM BATH	PRECISION	TSCOL19	12"	15 1/2"	7 3/4"	15230VAC, 50/60HZ	NA	VERIFY PRODUCT AND REQUIREMENTS	OFOI
FP-20	TURBIDIMETER	HACH	2100N (TL23)	-	-	-	VERIFY	NA	VERIFY PRODUCT	OFOI
FP-21	INCUBATOR REFRIGERATOR	PRECISION	815 BOO	31"	34"	77"	800W, 6.2A, 115VAC, 60HZ	NA	VERIFY ANY REQUIRED DATA CONNECTIONS	CFCI
FP-22	LAB REFRIGERATOR	VERIFY	VERIFY	32"	35"	70"	VERIFY	VERIFY	VERIFY SIZE AND CONNECTIONS	OFOI
FP-23	AED CABINET	VERIFY	VERIFY	5"	22 3/4"	22 3/4"	NA	NA	VERIFY PRODUCT, DIMENSIONS, AND REQUIREMENTS	OFOI
FP-24	FUME HOOD	LOC SCIENTIFIC	HP-804	35"	48"	89 1/4"	VERIFY	VERIFY	VERIFY PRODUCT AND REQUIREMENTS, SEE MECHANICAL	CFCI
FP-25	VACUUM PUMP	WELCH	92114	-	-	-	115VAC	NA	-	OFOI
FP-26	MUFFLE FURNACE	-	-	-	-	-	VERIFY	VERIFY	VERIFY PRODUCTS AND REQUIREMENTS	OFOI
FP-27	ISLAND SINK FOOT PEDALS TO CONTROL	VERIFY	VERIFY	21"	30"	48" COUNTER HEIGHT	NA	VERIFY (HOT AND PURIFIED WATER)	-	CFCI
FP-28	SINK	VERIFY	VERIFY	21"	30"	48" COUNTER HEIGHT	NA	VERIFY (HOT AND PURIFIED WATER)	-	CFCI



1 FLOOR PLAN - LEVEL 01 PRESSURE WASHER ROOM
A3.08 Scale: 1/2" = 1'-0" NORTH

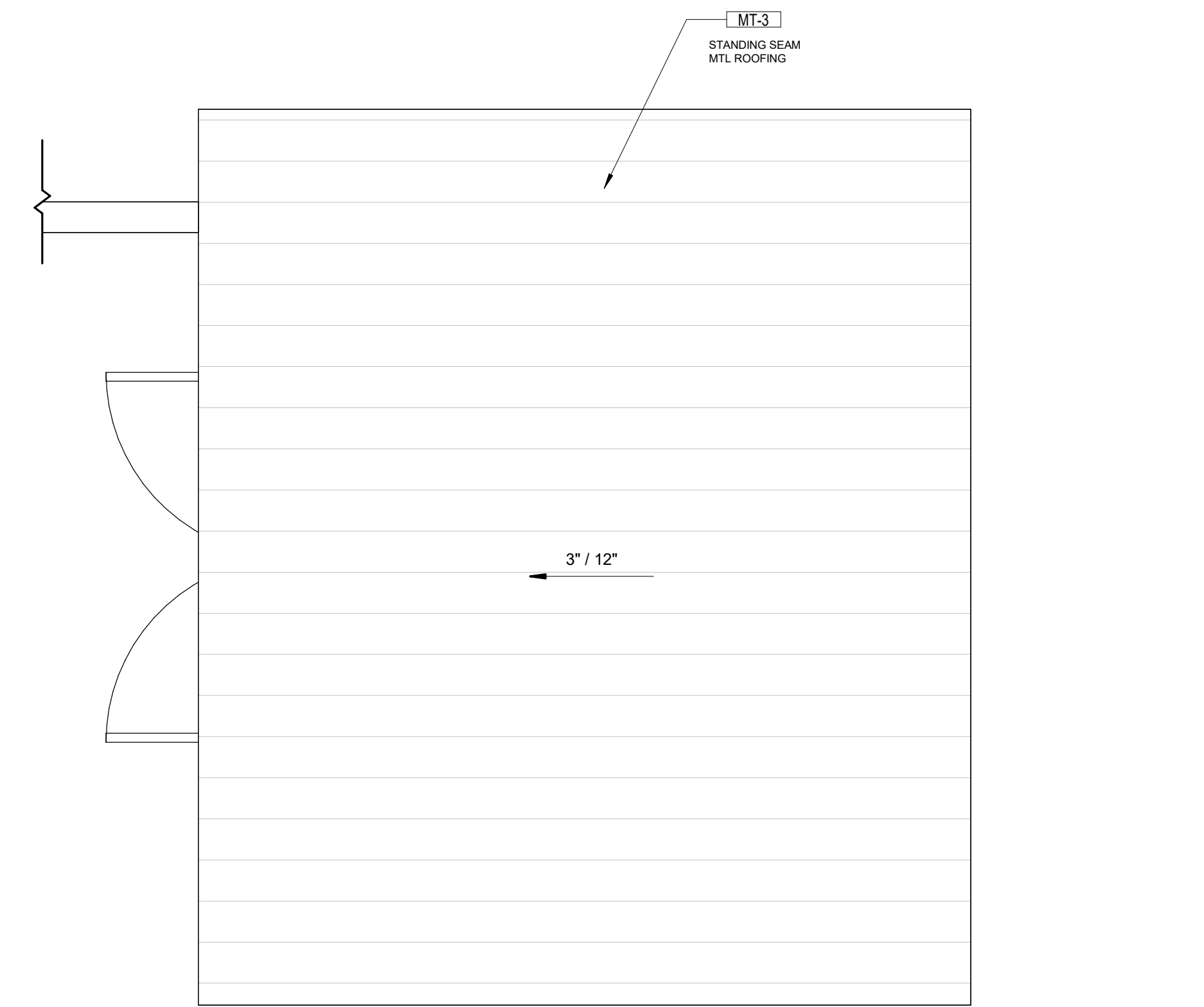


2 PRESSURE WASHER ROOM - WEST ELEVATION
A3.08 Scale: 1/2" = 1'-0"

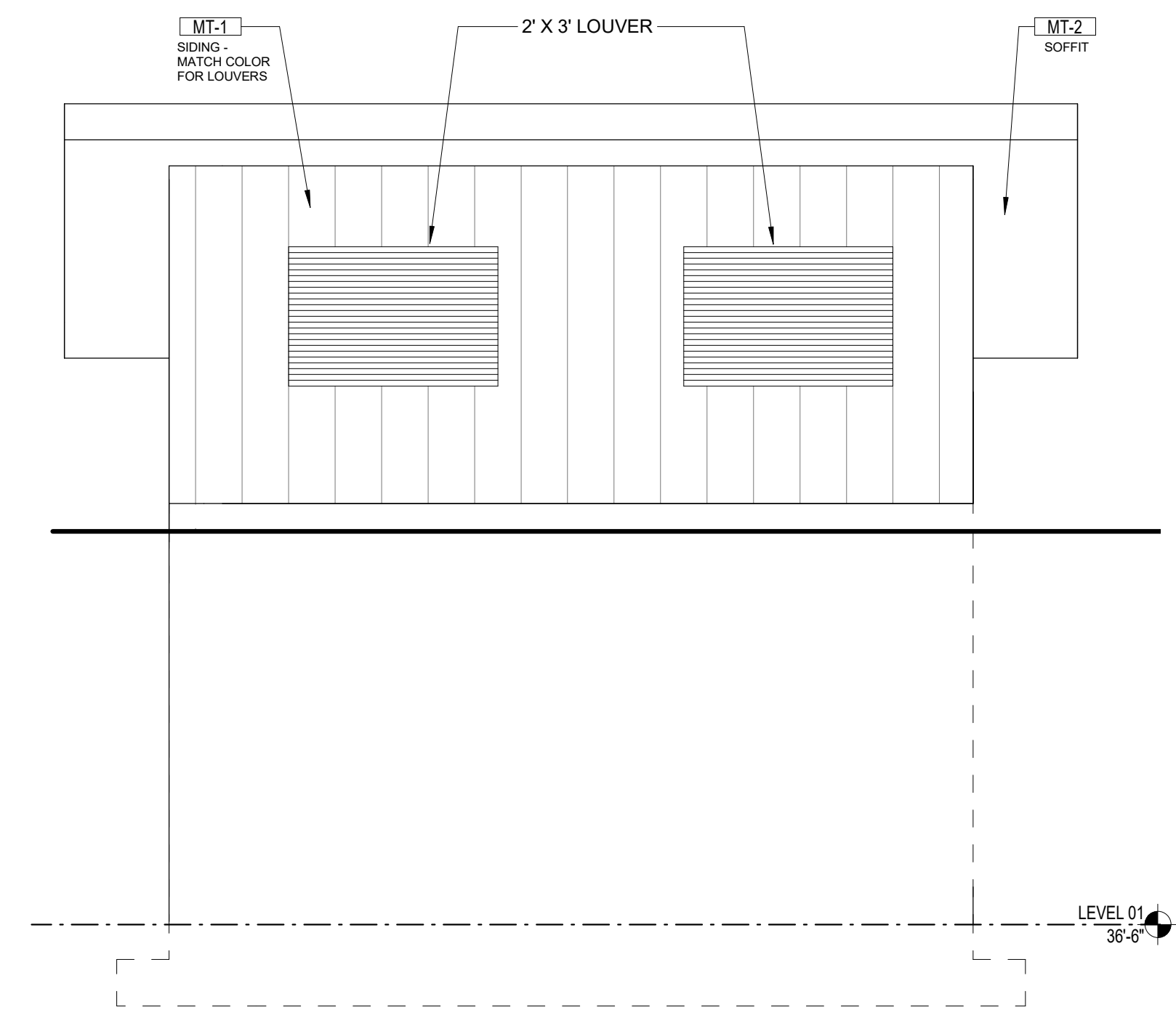


3 PRESSURE WASHER ROOM - SOUTH ELEVATION, NORTH SIM, OPP.
A3.08 Scale: 1/2" = 1'-0"

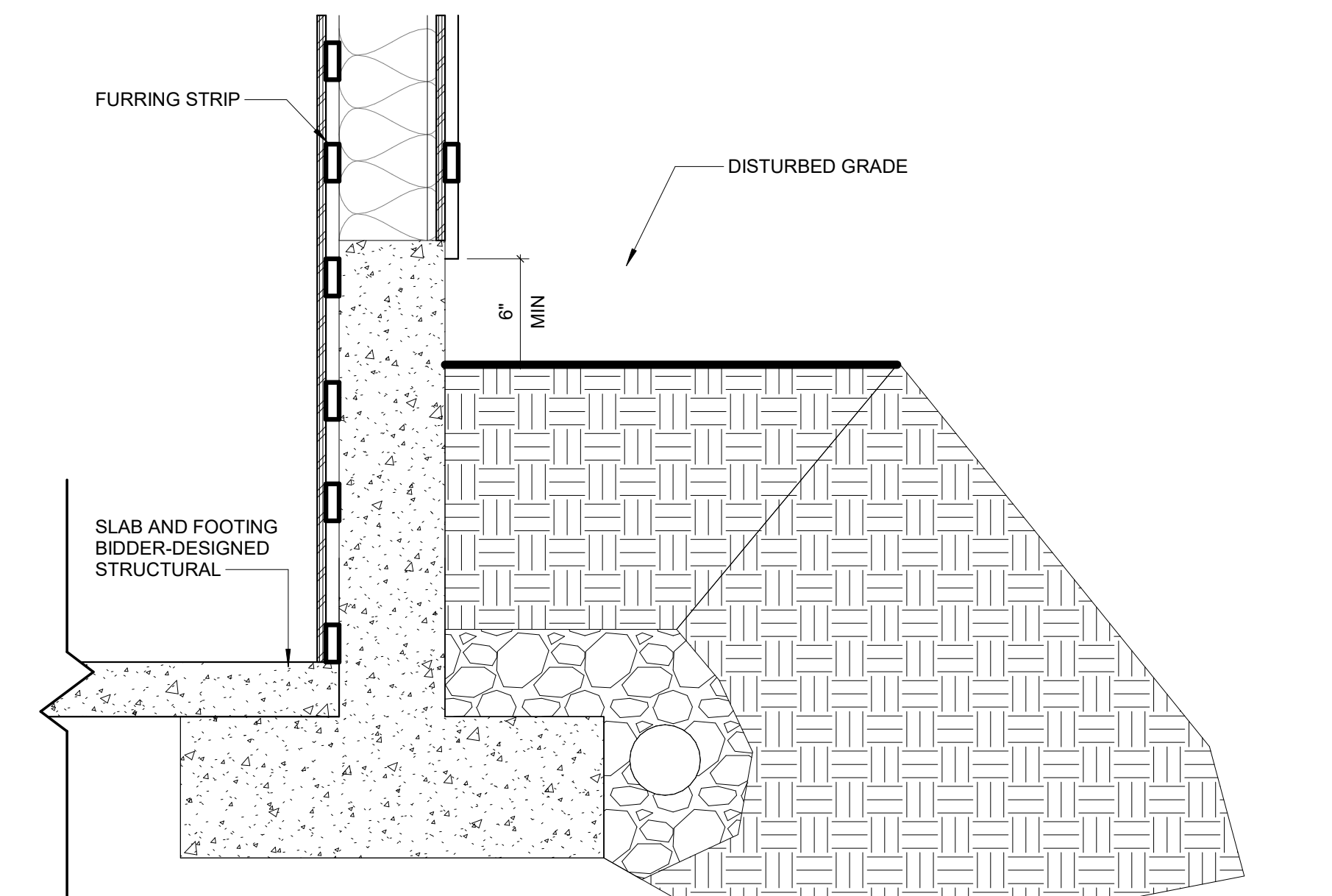
NOTE: STRUCTURAL DESIGN OF SHED AND RETAINING WALLS TO BE BY BIDDER.



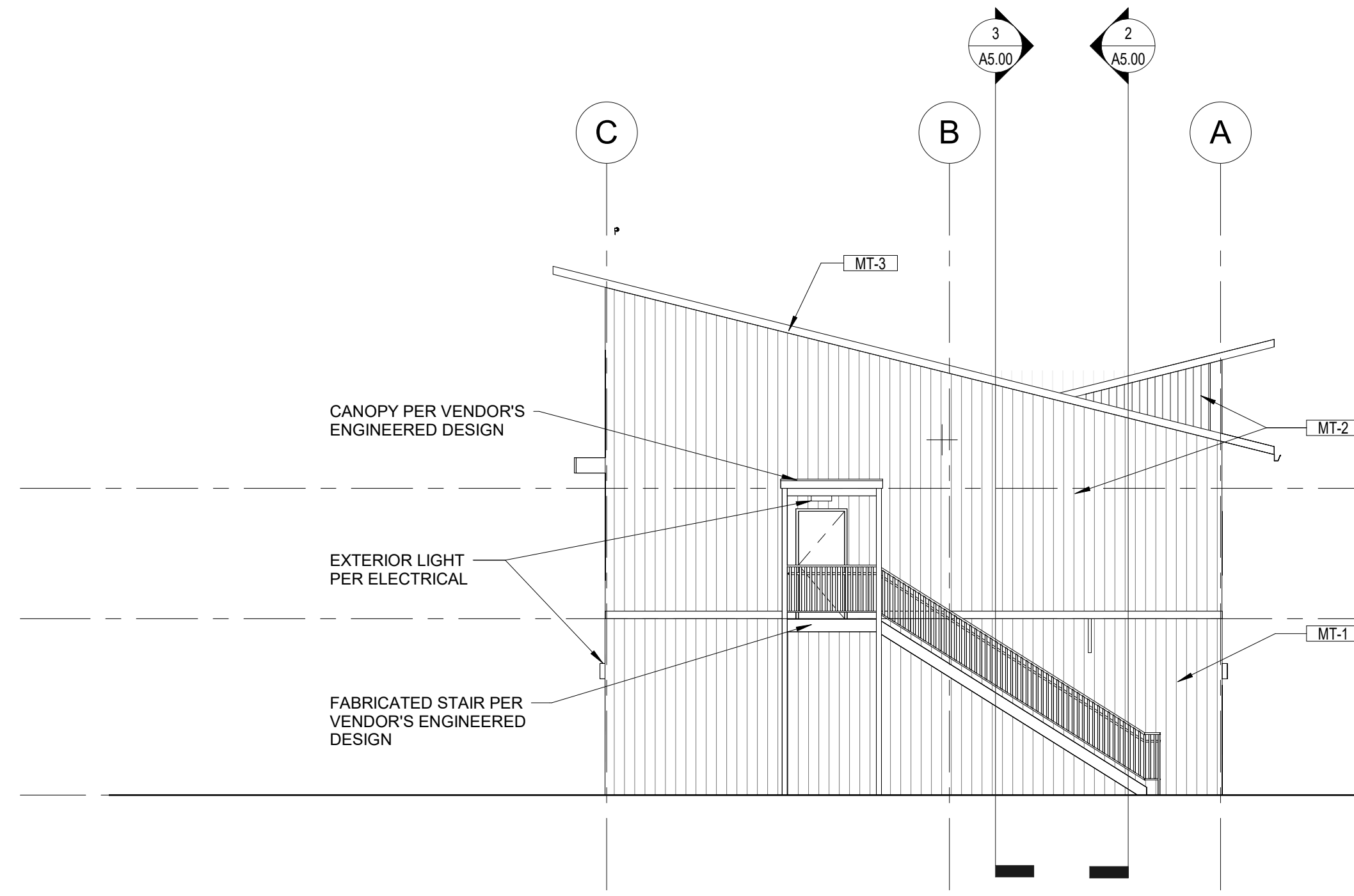
4 ROOF PLAN
A3.08 Scale: 1/2" = 1'-0" NORTH



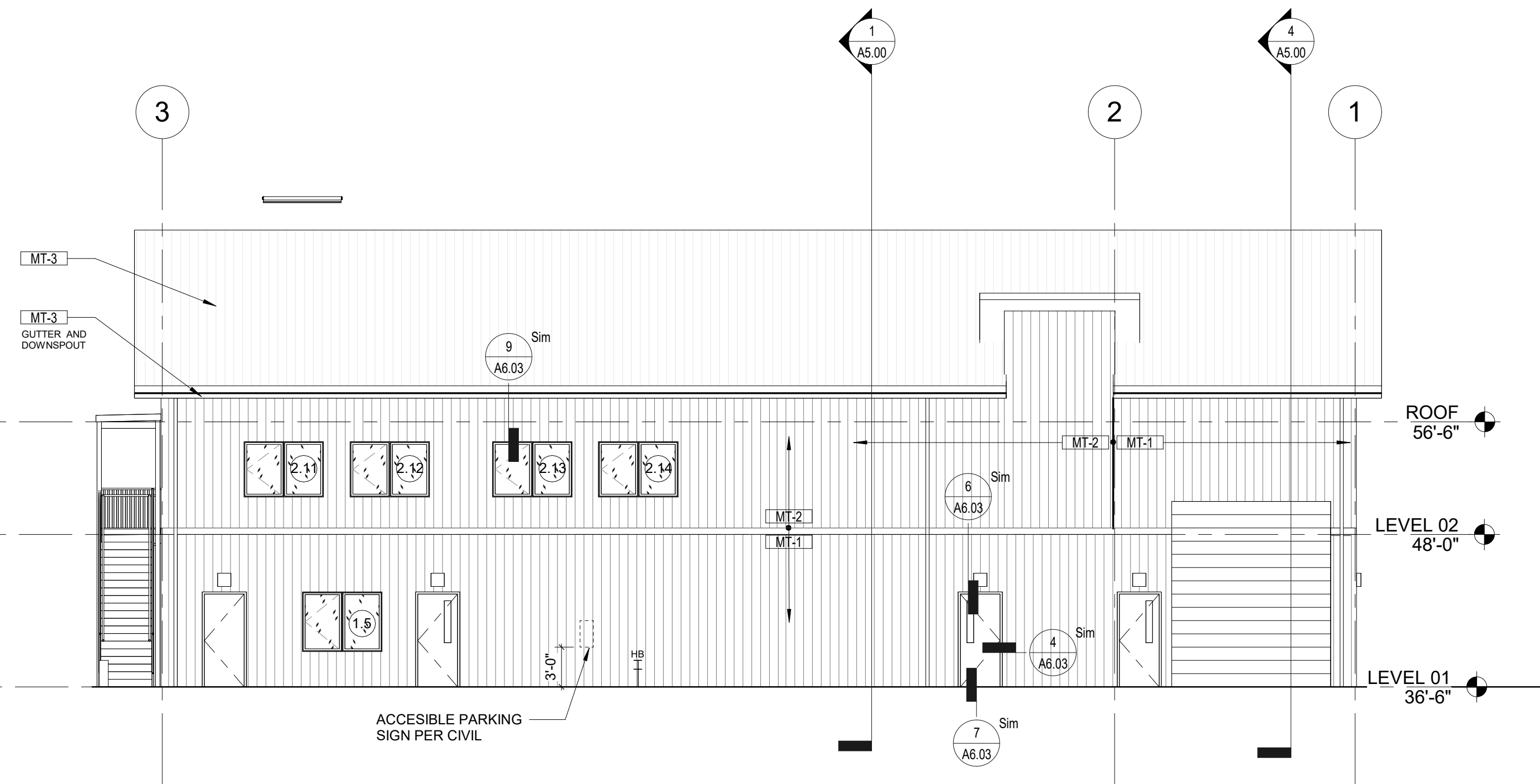
5 PRESSURE WASHER ROOM - EAST ELEVATION
A3.08 Scale: 1/2" = 1'-0"



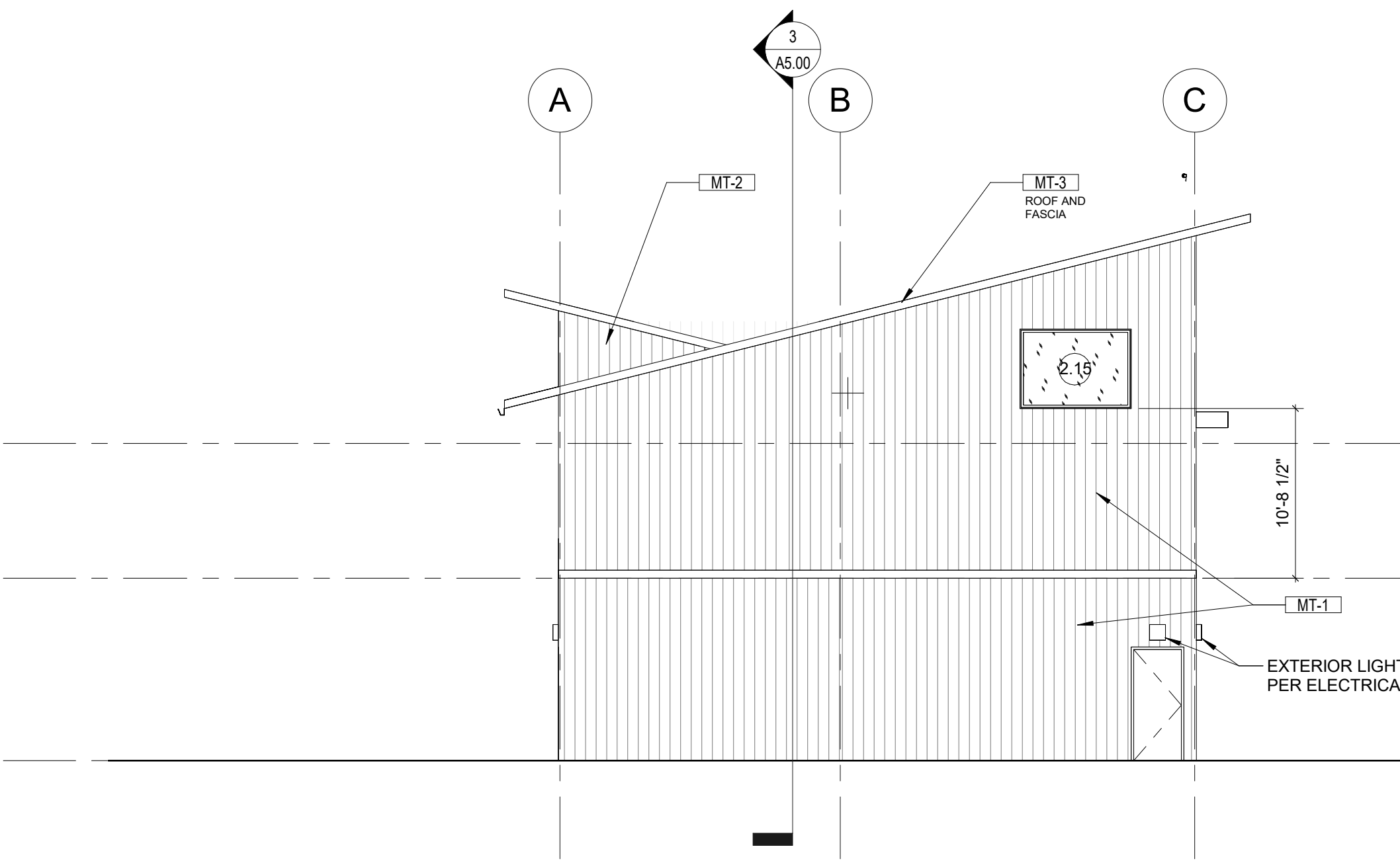
6 WALL SECTION
A3.08 Scale: 1 1/2" = 1'-0"



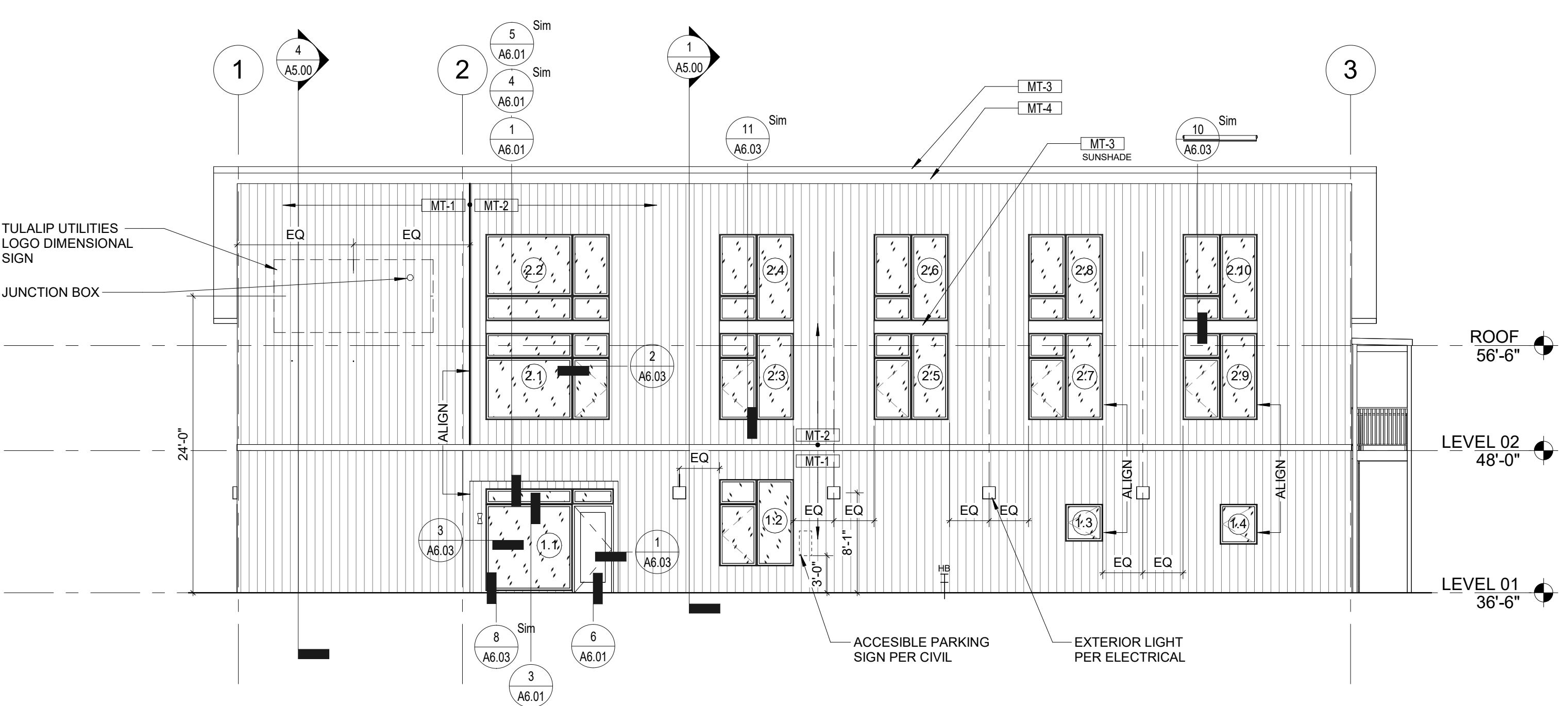
3 EAST ELEVATION
A4.00 Scale: 1/8" = 1'-0"



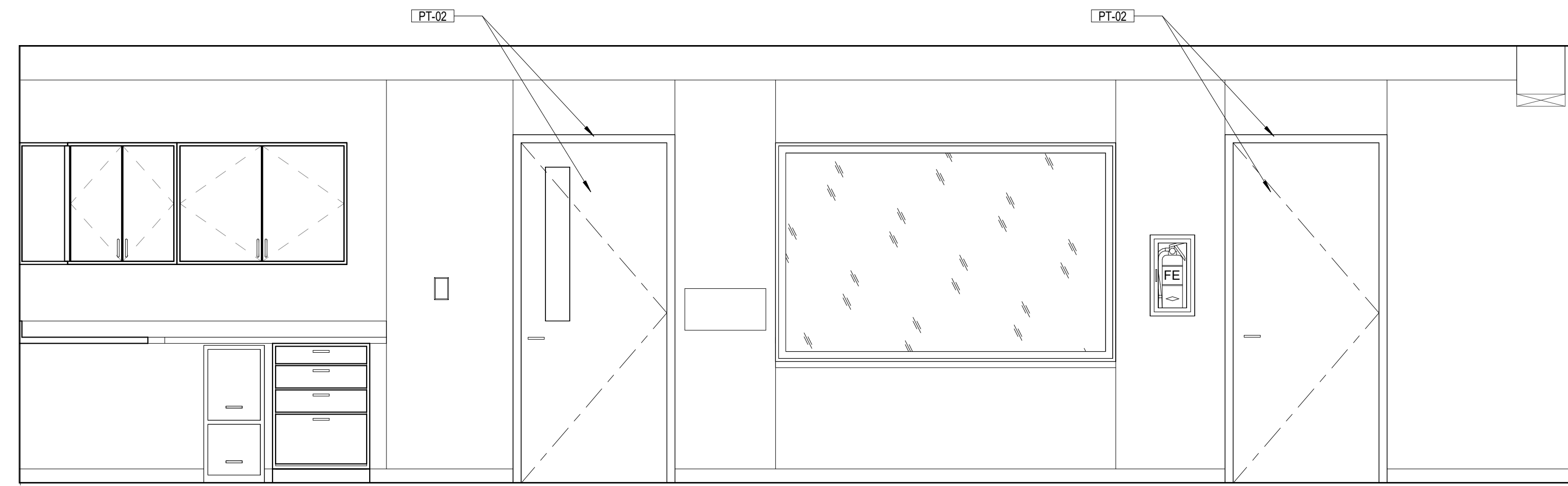
1 NORTH ELEVATION
A4.00 Scale: 1/8" = 1'-0"



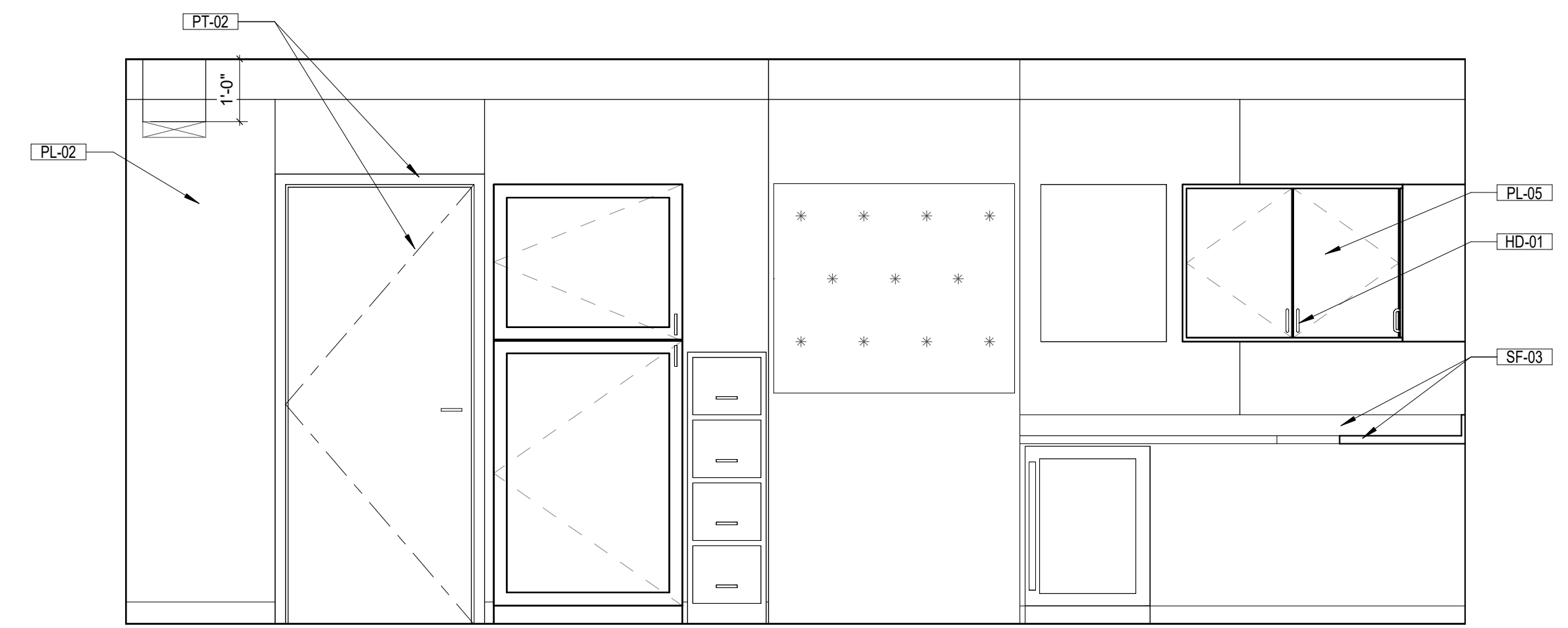
4 WEST ELEVATION
A4.00 Scale: 1/8" = 1'-0"



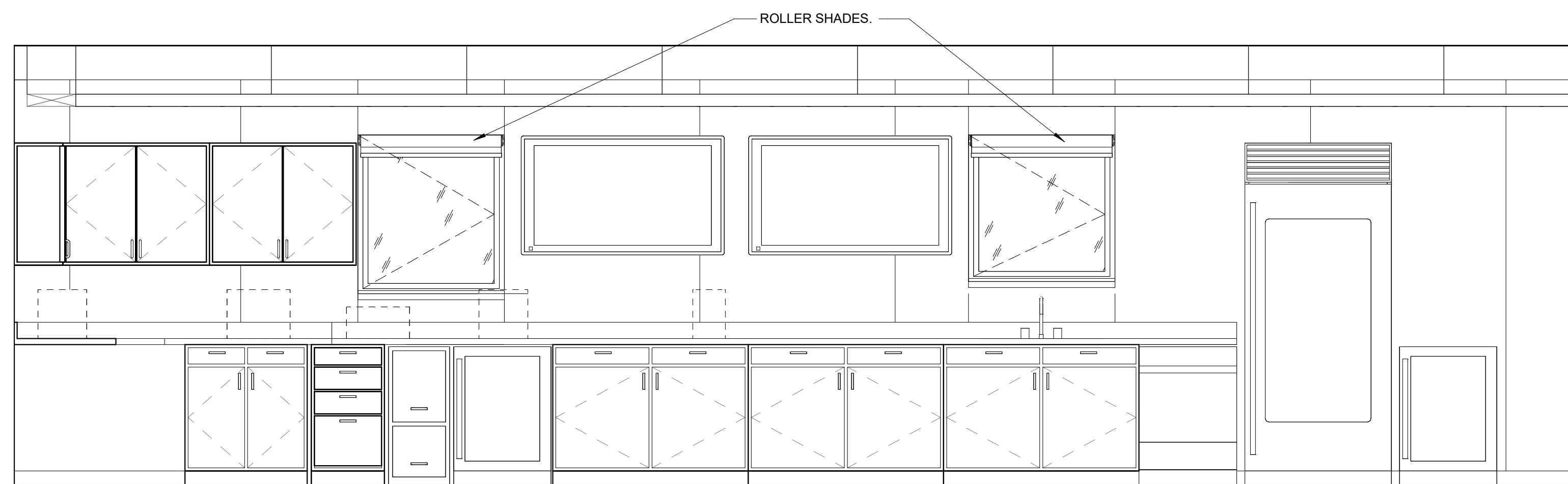
2 SOUTH ELEVATION
A4.00 Scale: 1/8" = 1'-0"



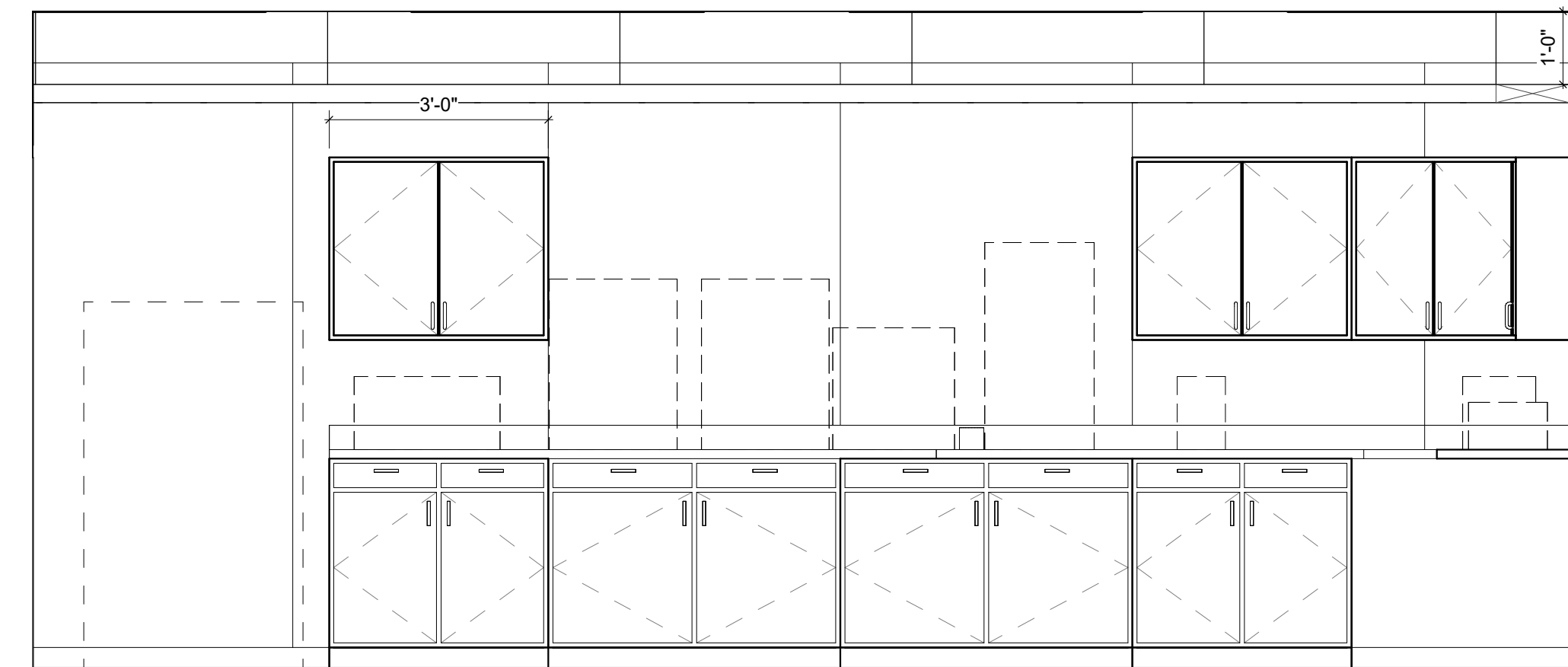
1 NORTH WALL
A4.01 Scale: 1/2" = 1'-0"



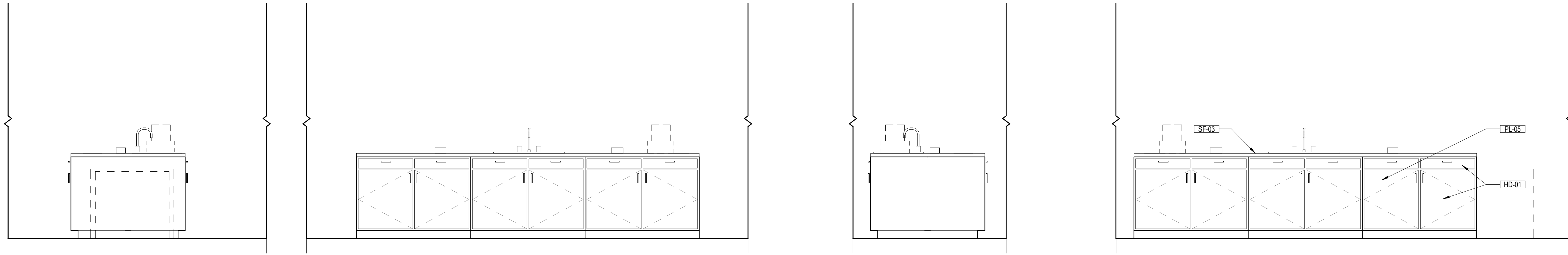
2 WEST WALL
A4.01 Scale: 1/2" = 1'-0"



3 SOUTH WALL
A4.01 Scale: 1/2" = 1'-0"



4 EAST WALL
A4.01 Scale: 1/2" = 1'-0"



1 LAB ISLAND WEST
A4.02 Scale: 1/2" = 1'-0"

2 LAB ISLAND SOUTH
A4.02 Scale: 1/2" = 1'-0"

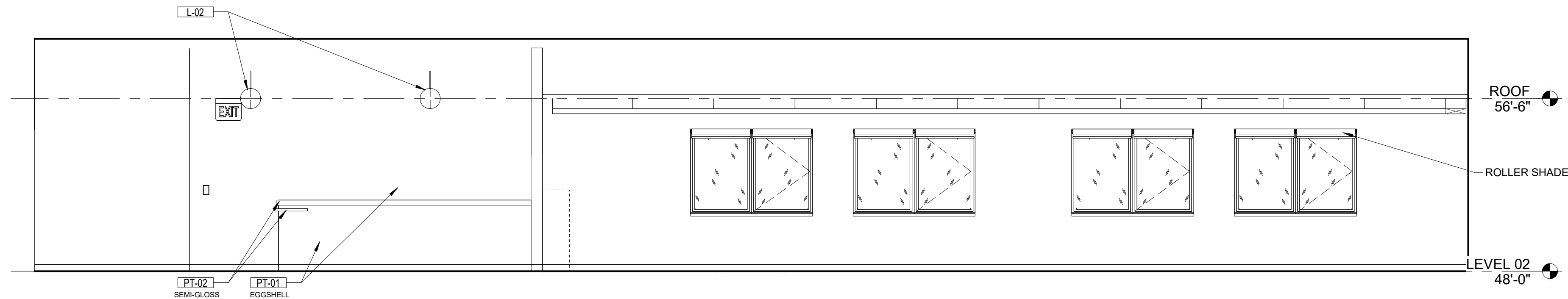
3 LAB ISLAND EAST
A4.02 Scale: 1/2" = 1'-0"

4 LAB ISLAND NORTH
A4.02 Scale: 1/2" = 1'-0"

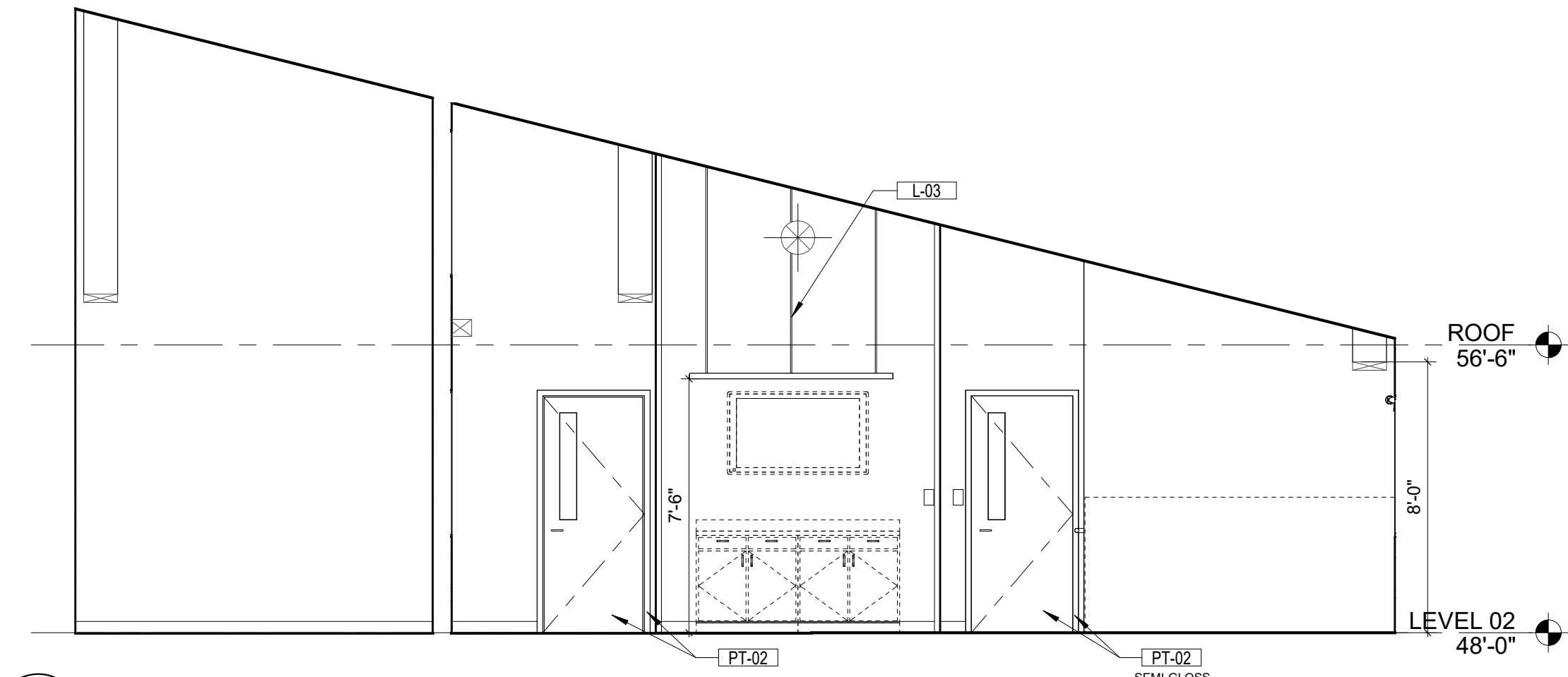
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TULALIP, WA 98271

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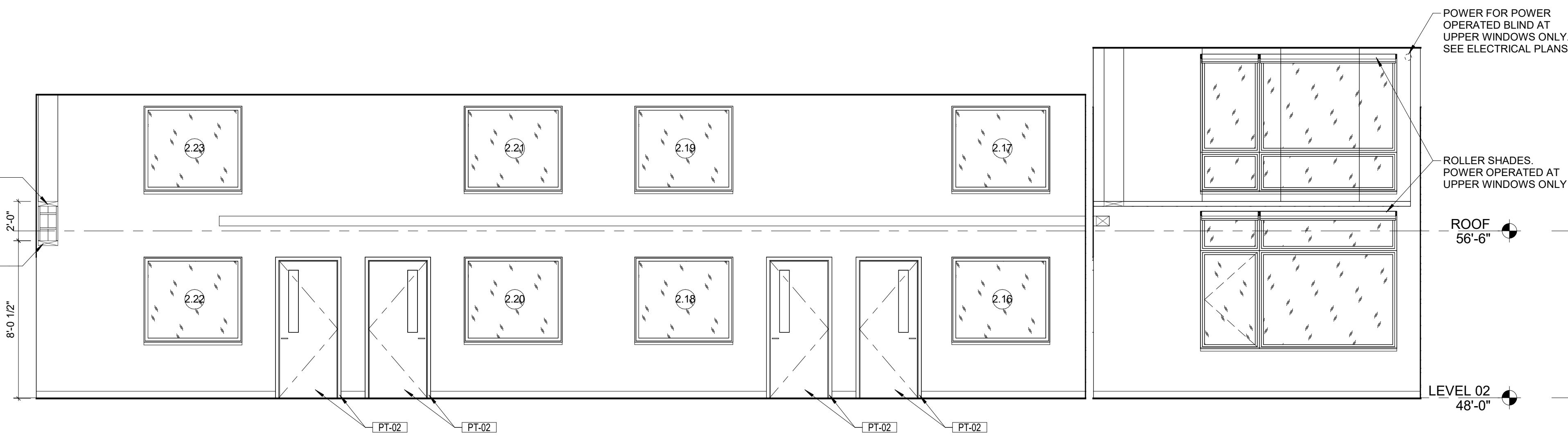
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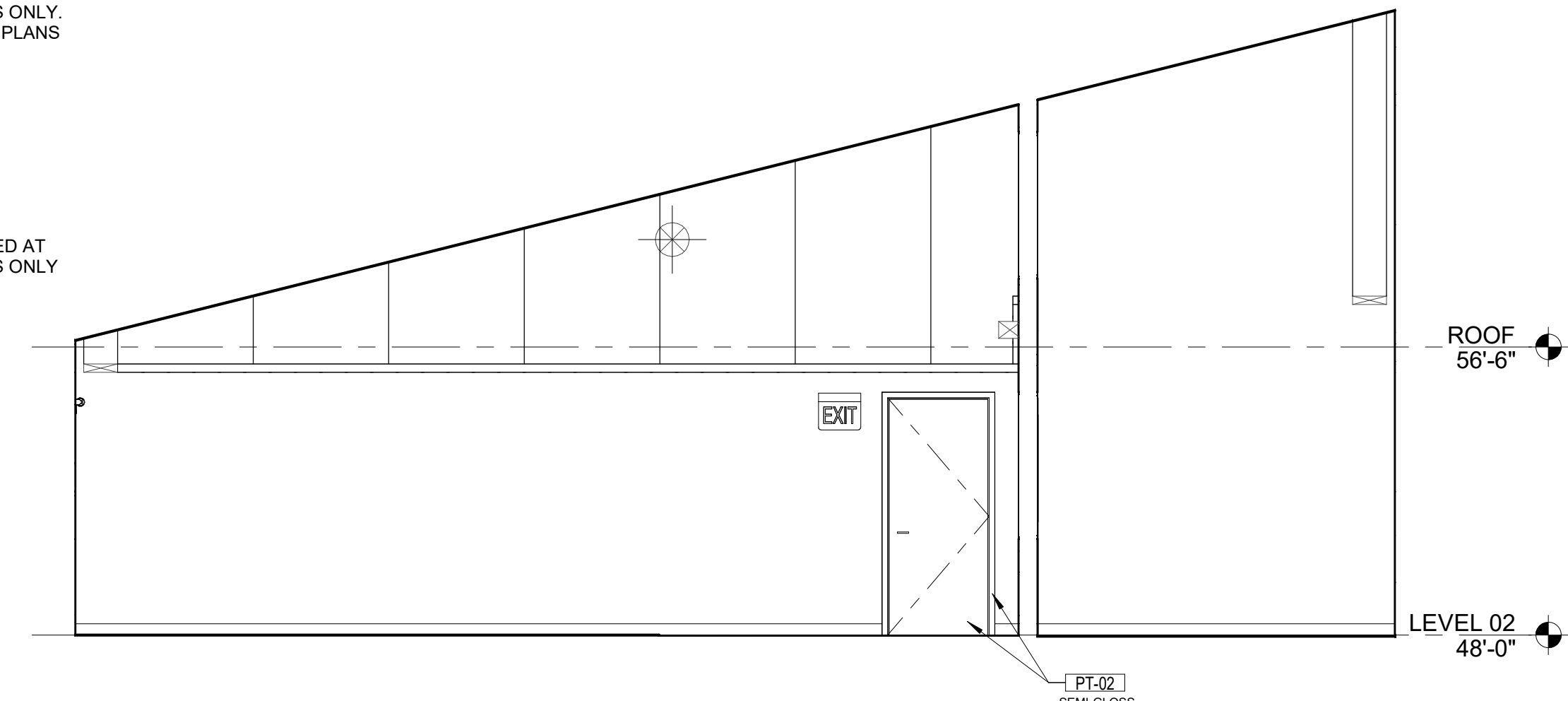
1
A4.03
Scale: 1/4" = 1'-0"



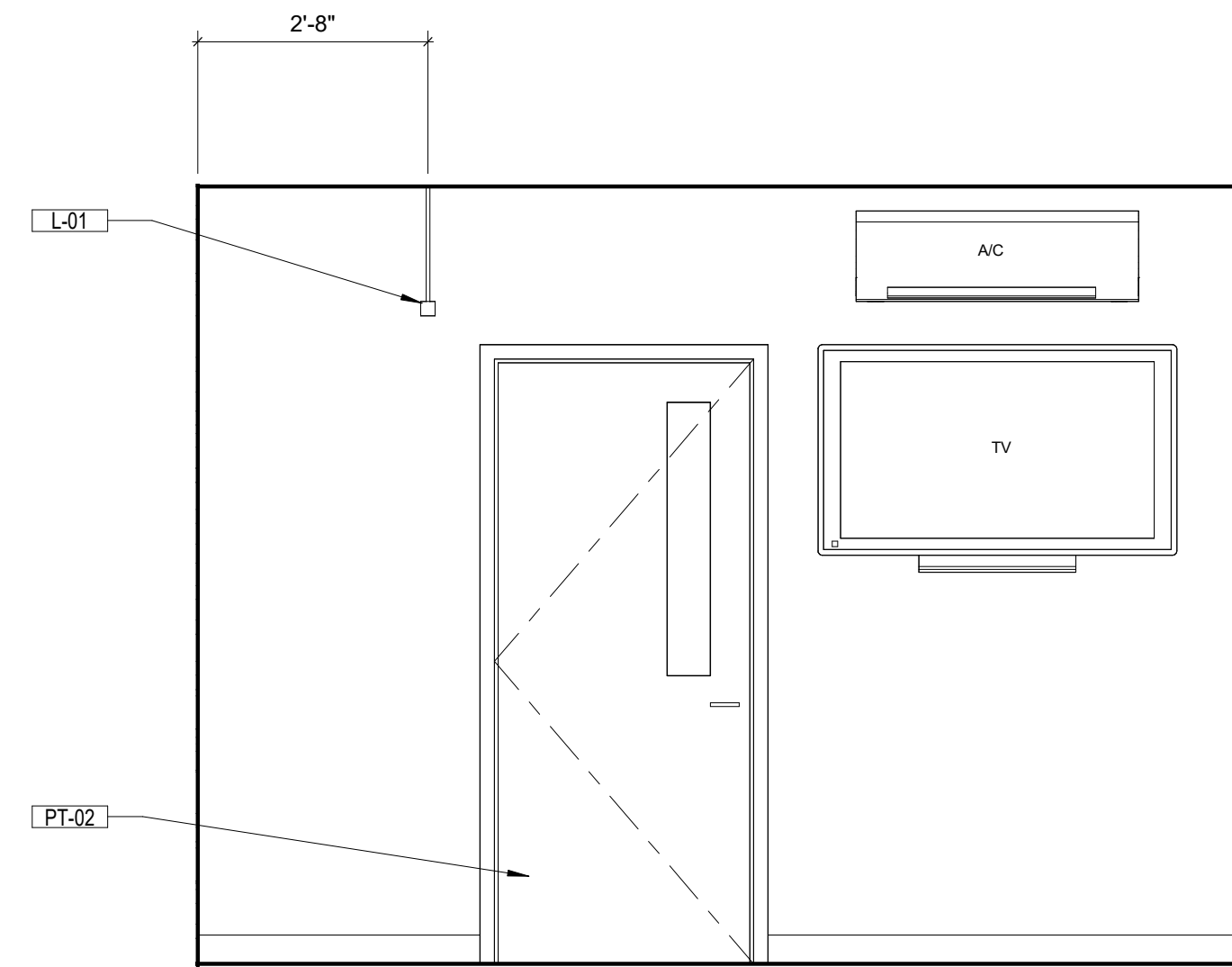
2
A4.03
Scale: 1/4" = 1'-0"



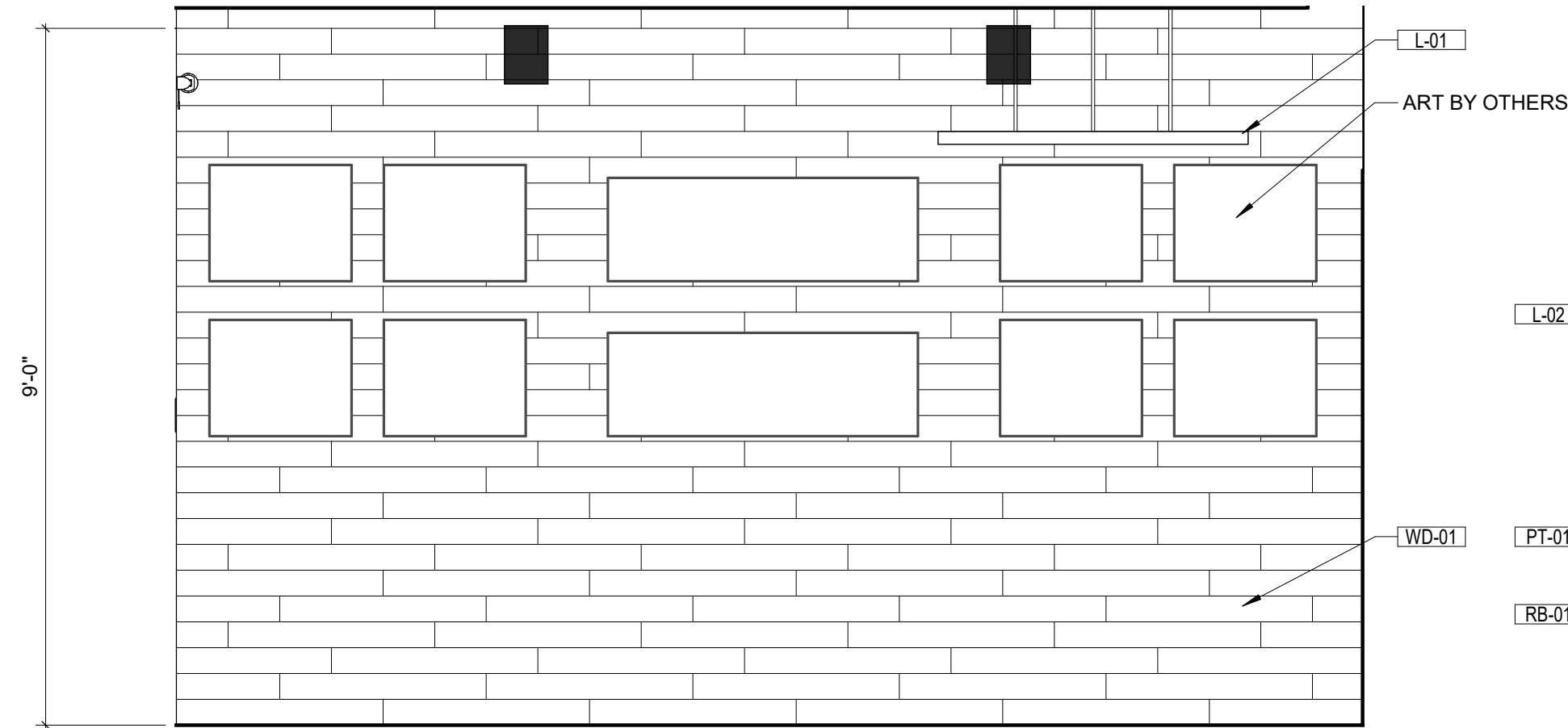
4
A4.03
Scale: 1/4" = 1'-0"



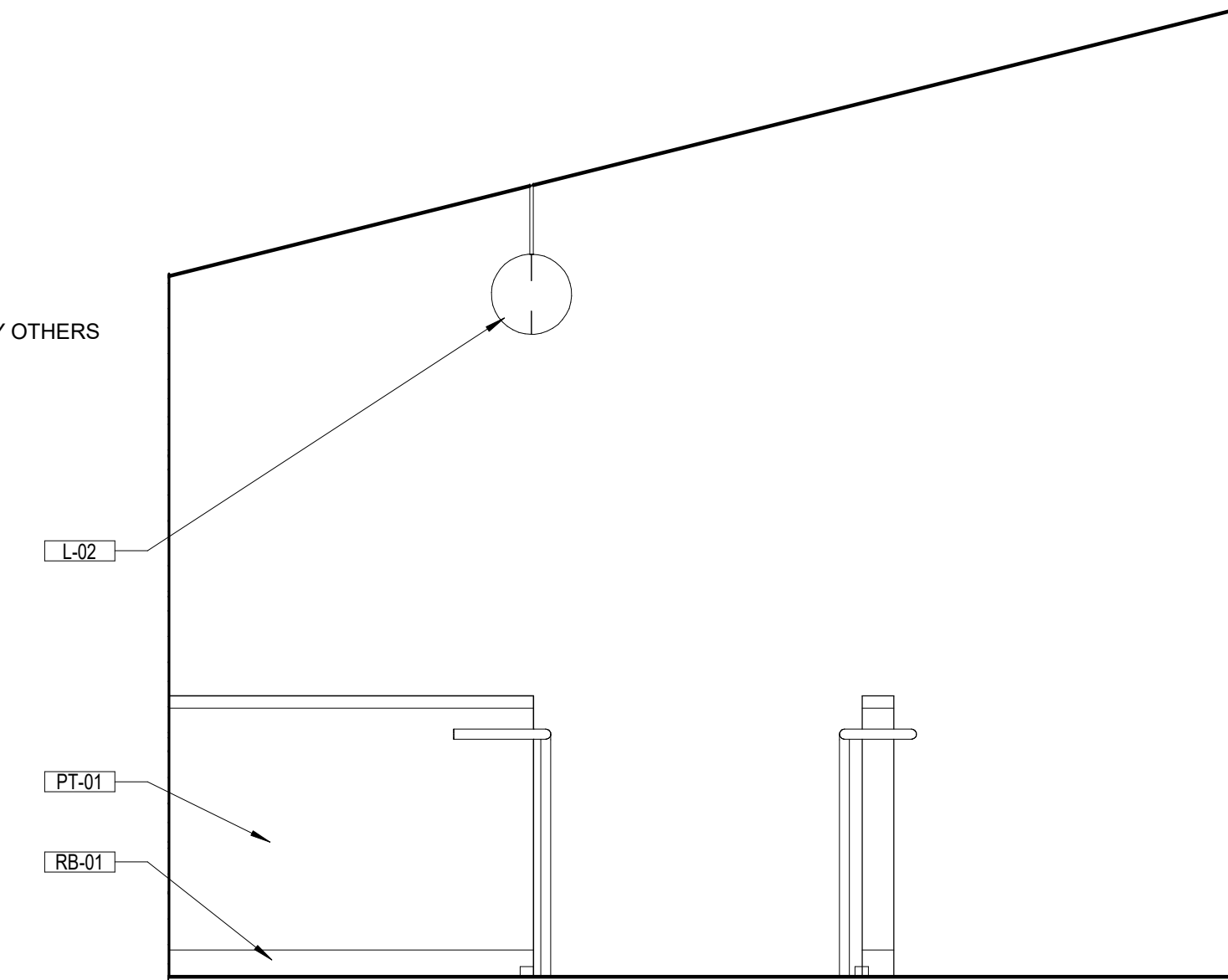
3
A4.03
Scale: 1/4" = 1'-0"



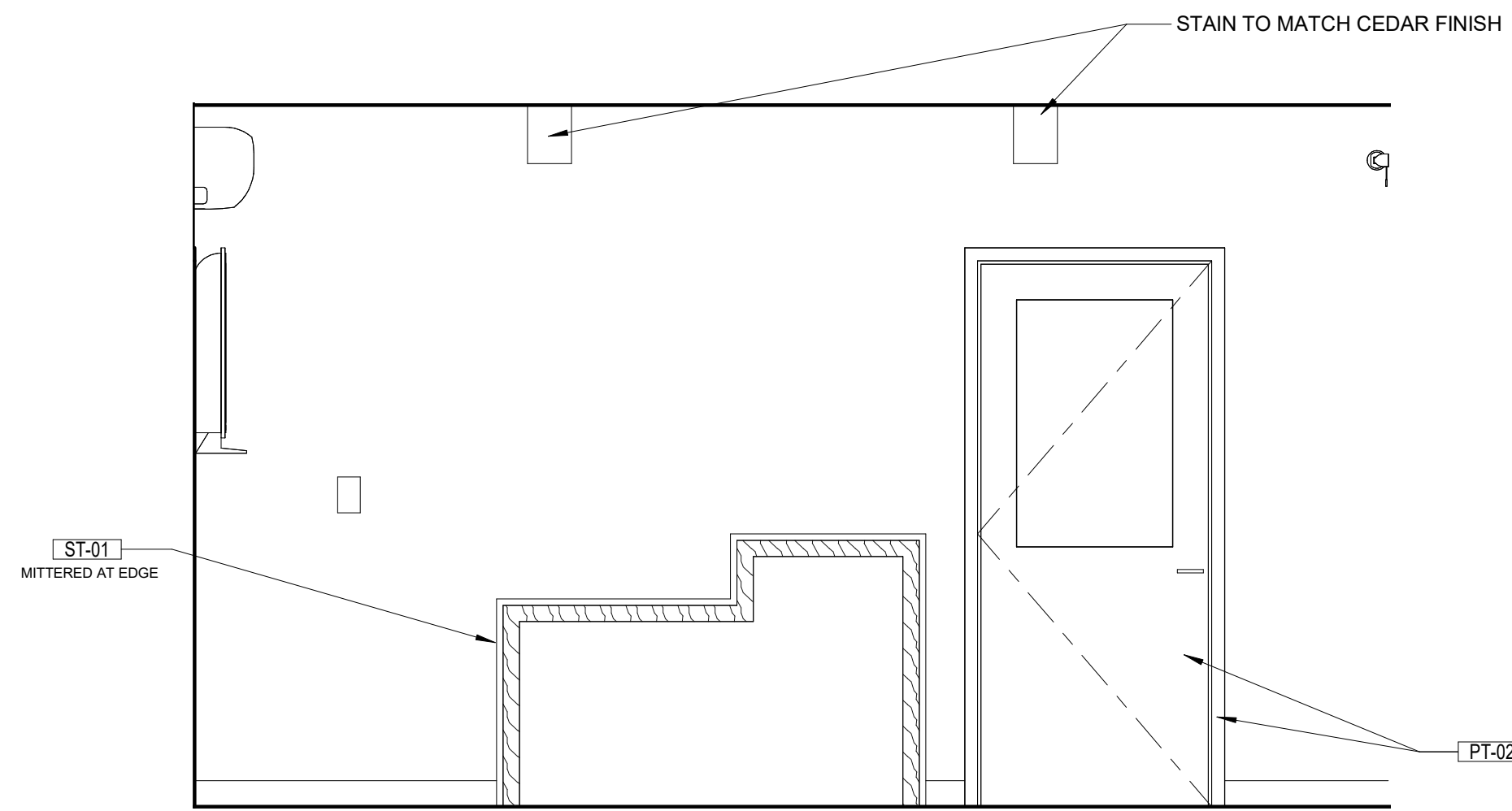
1 LOBBY NORTH
A4.04 Scale: 1/2" = 1'-0"



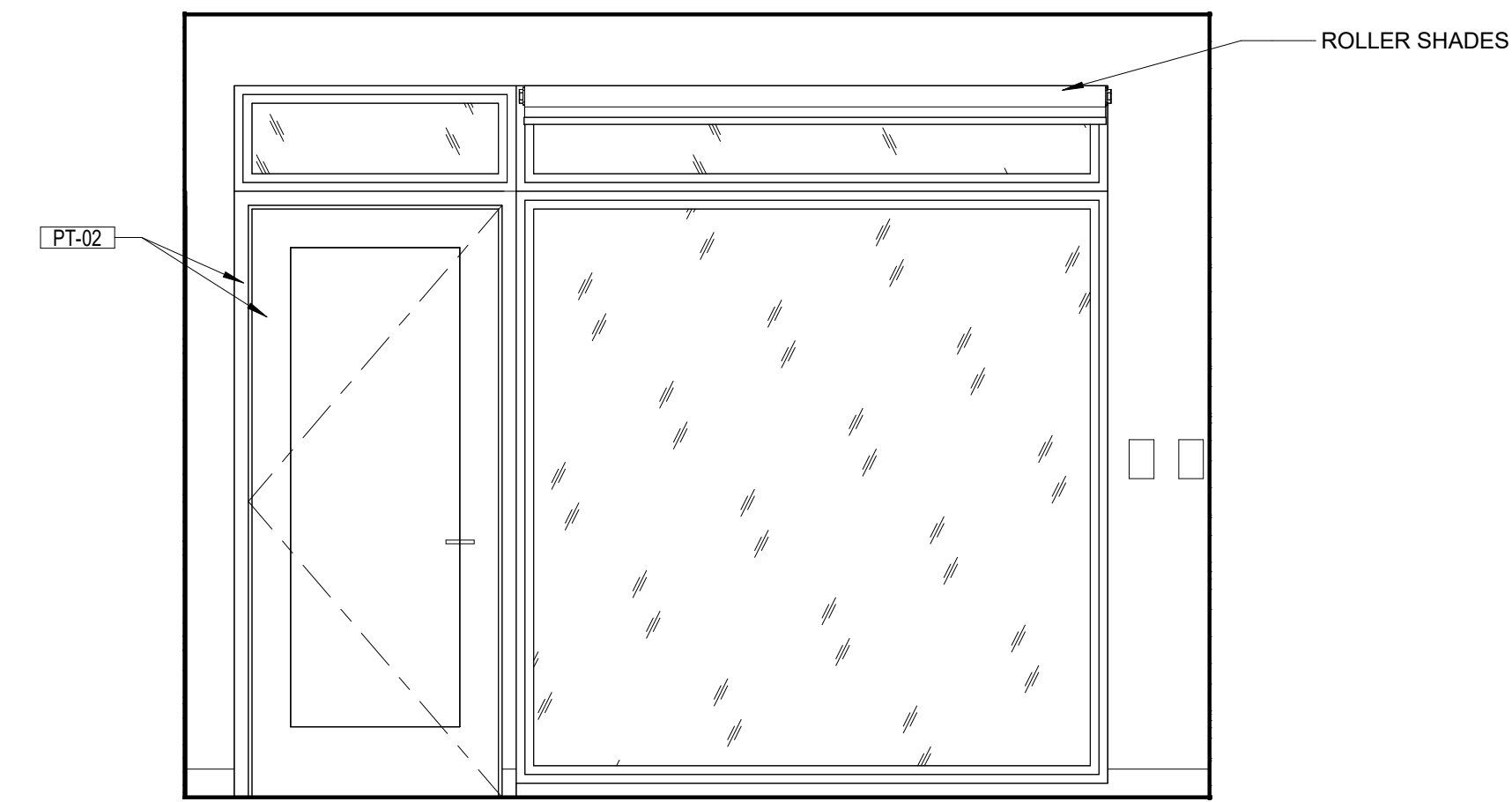
4 LOBBY WEST
A4.04 Scale: 1/2" = 1'-0"



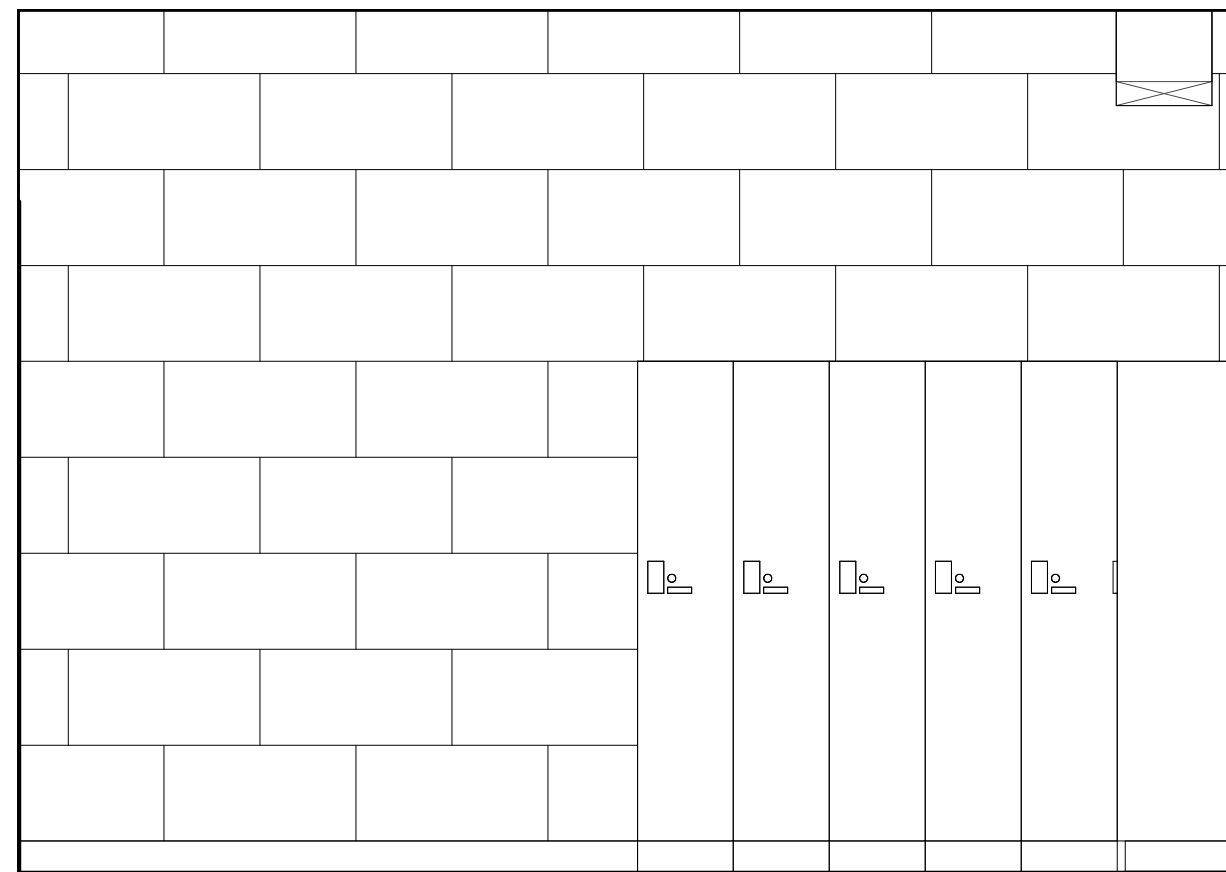
5 STAIRWELL ENTRANCE
A4.04 Scale: 1/2" = 1'-0"



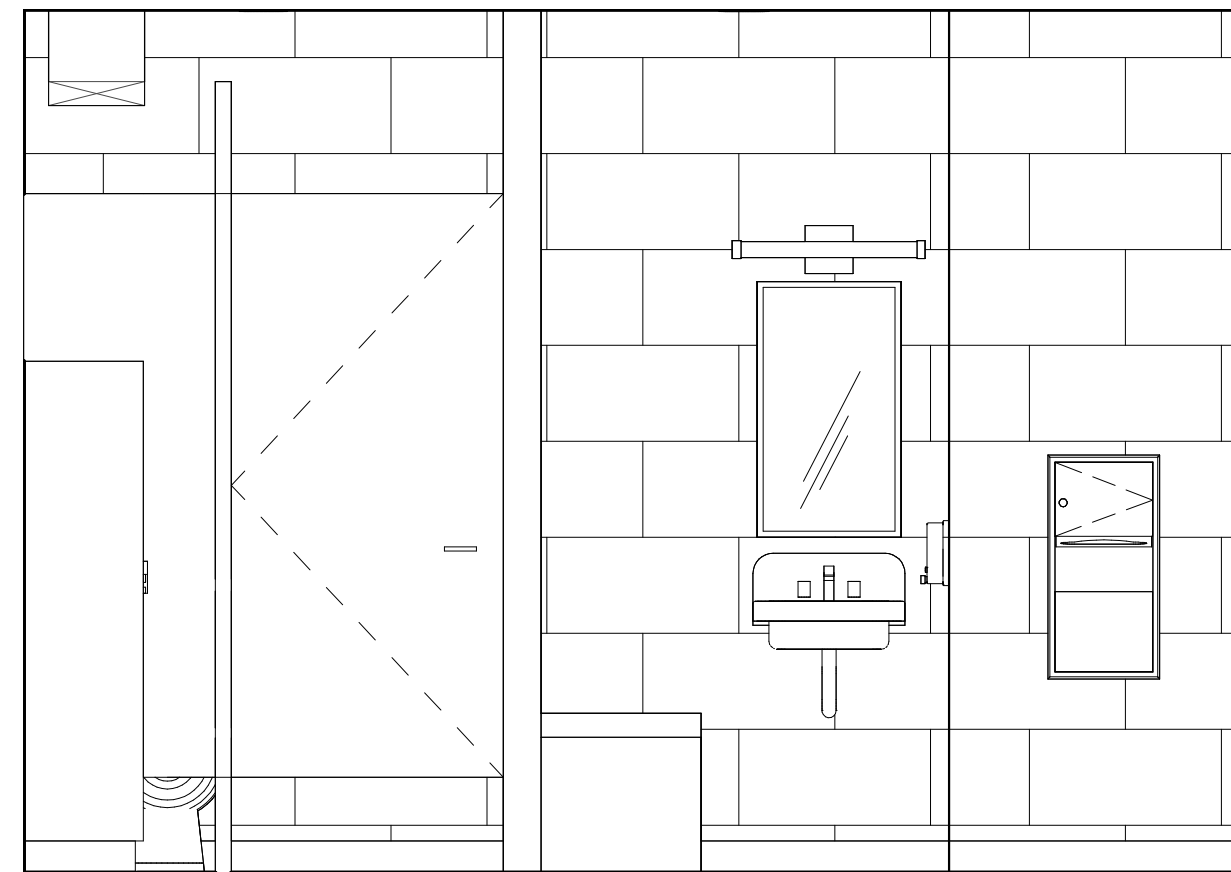
2 LOBBY EAST
A4.04 Scale: 1/2" = 1'-0"



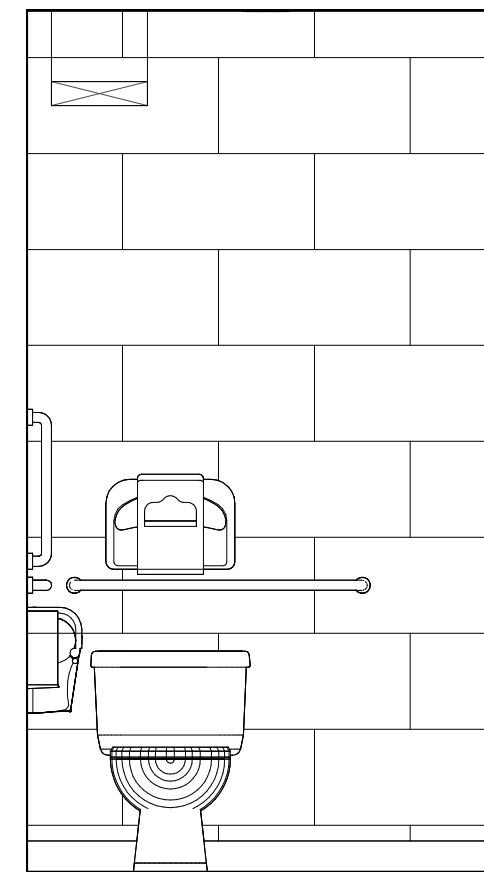
3 LOBBY SOUTH
A4.04 Scale: 1/2" = 1'-0"



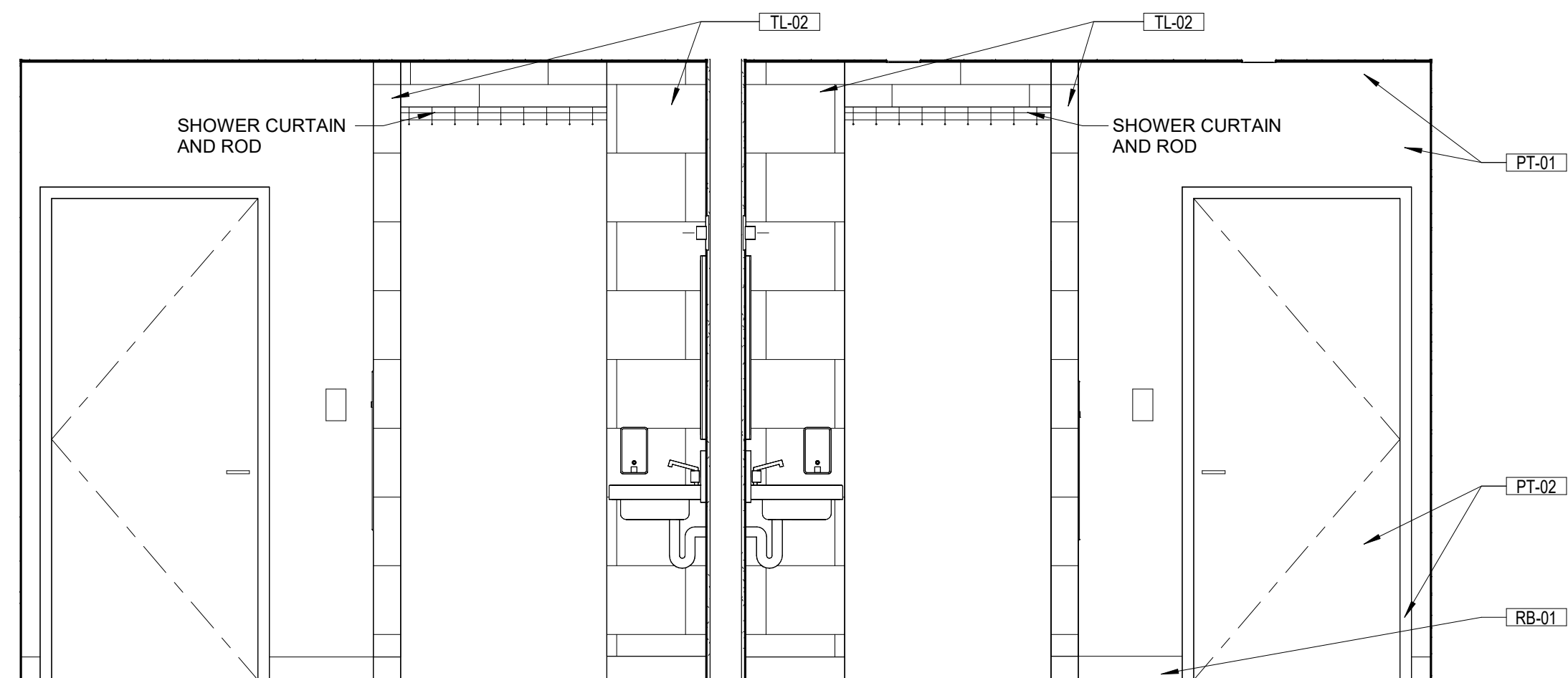
1 MEN'S LOCKER ROOM WEST (WOMEN'S LOCKER ROOM EAST SIM. OPP.)
A4.05 Scale: 1/2" = 1'-0"



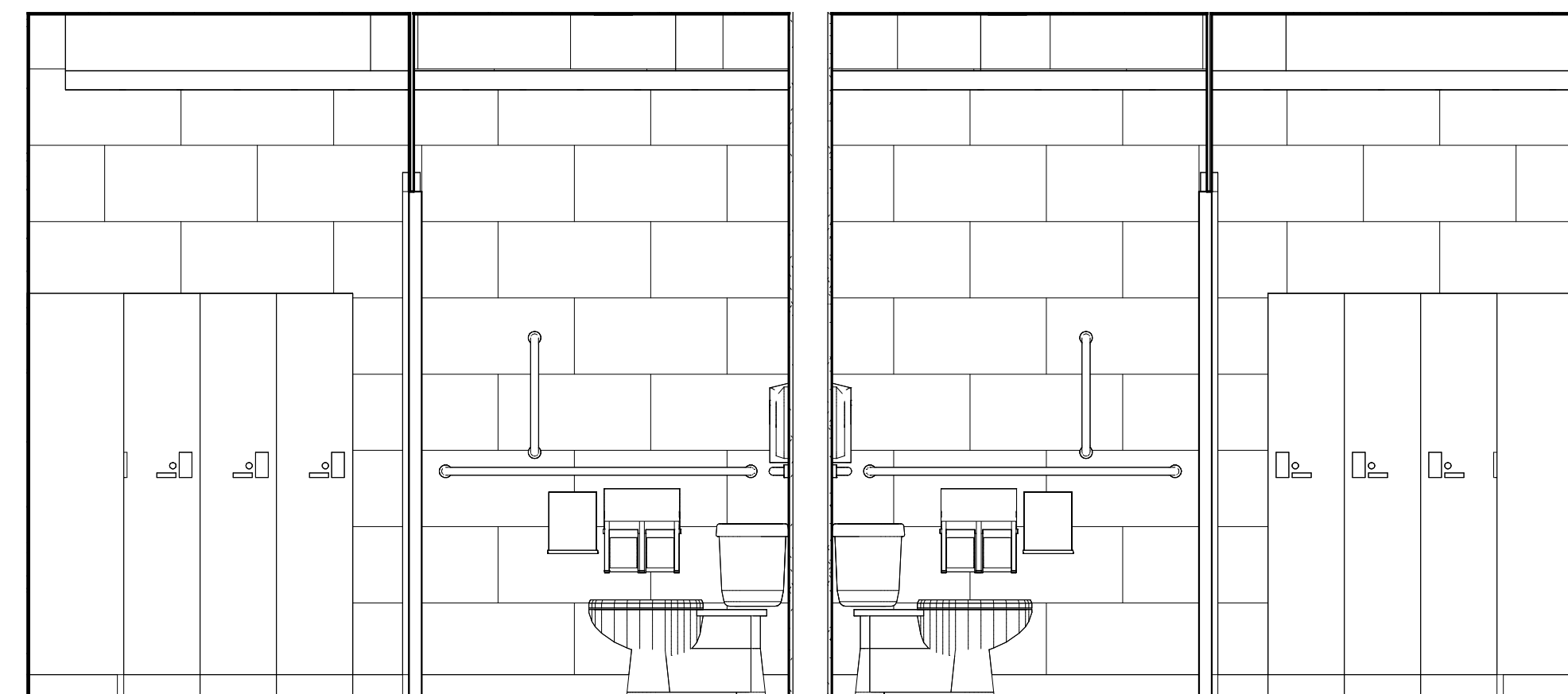
2 MEN'S LOCKER ROOM EAST (WOMEN'S LOCKER ROOM WEST SIM. OPP.)
A4.05 Scale: 1/2" = 1'-0"



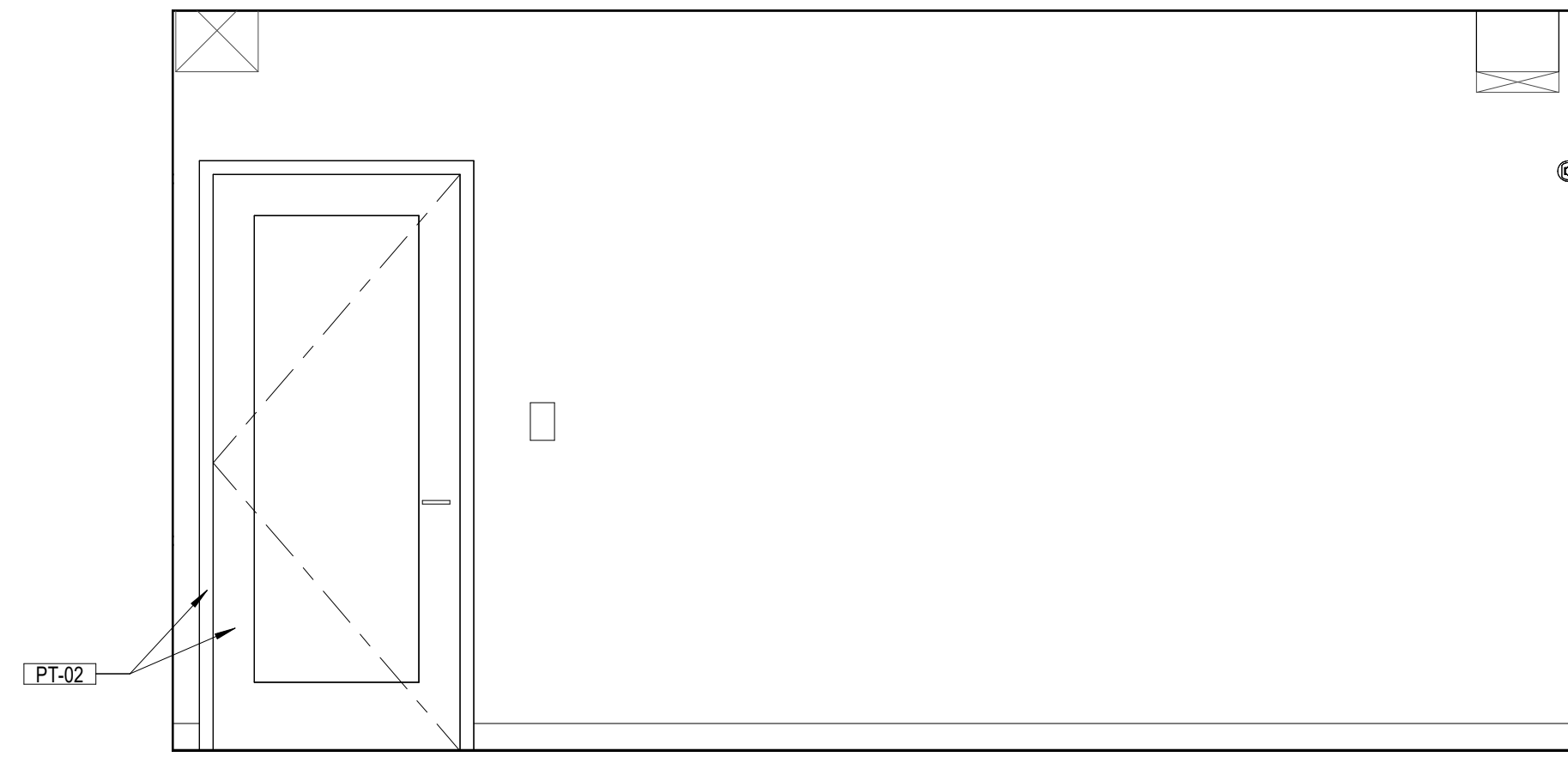
3 MEN'S LOCKER ROOM TOILET (WOMEN'S LOCKER ROOM TOILET SIM. OPP.)
A4.05 Scale: 1/2" = 1'-0"



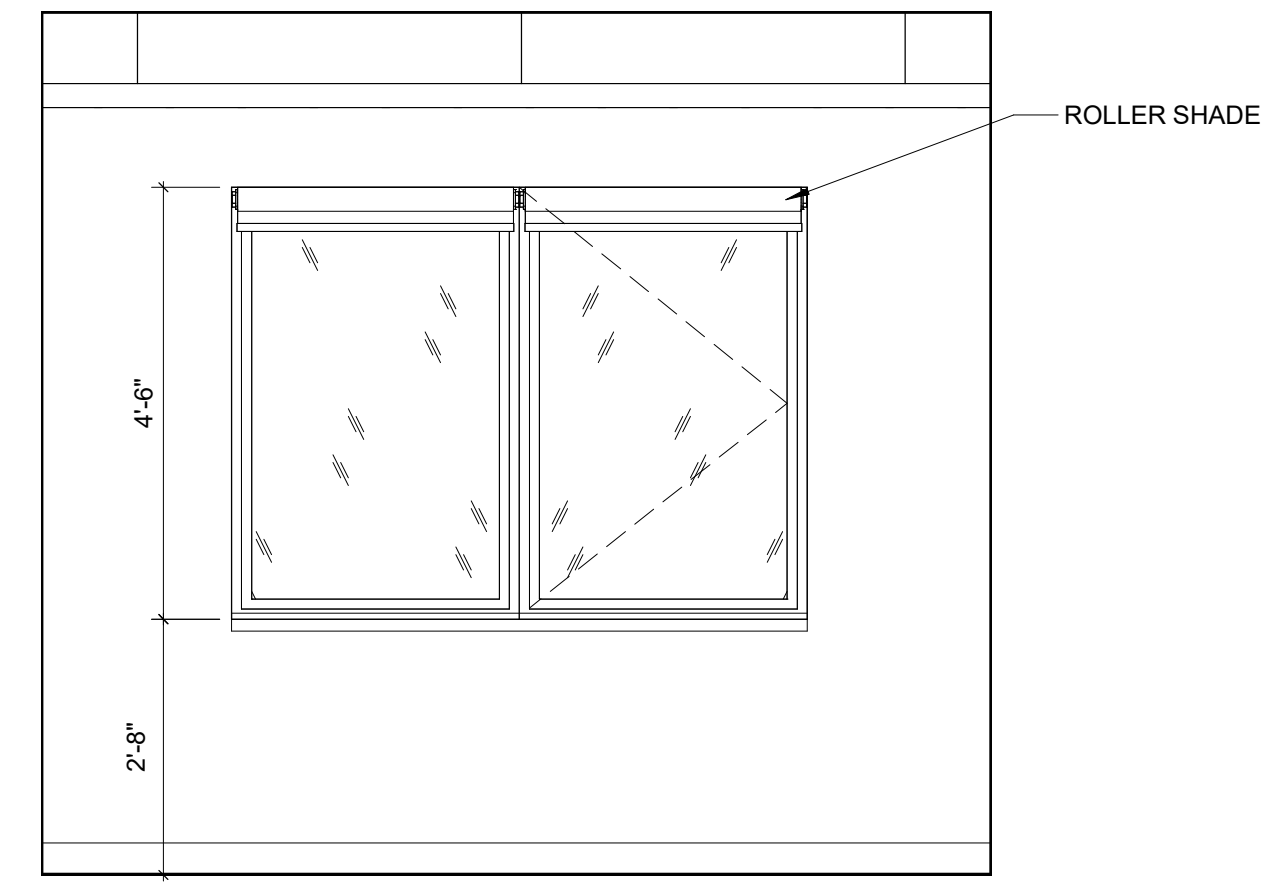
4 MEN'S AND WOMEN'S LOCKER ROOM SOUTH
A4.05 Scale: 1/2" = 1'-0"



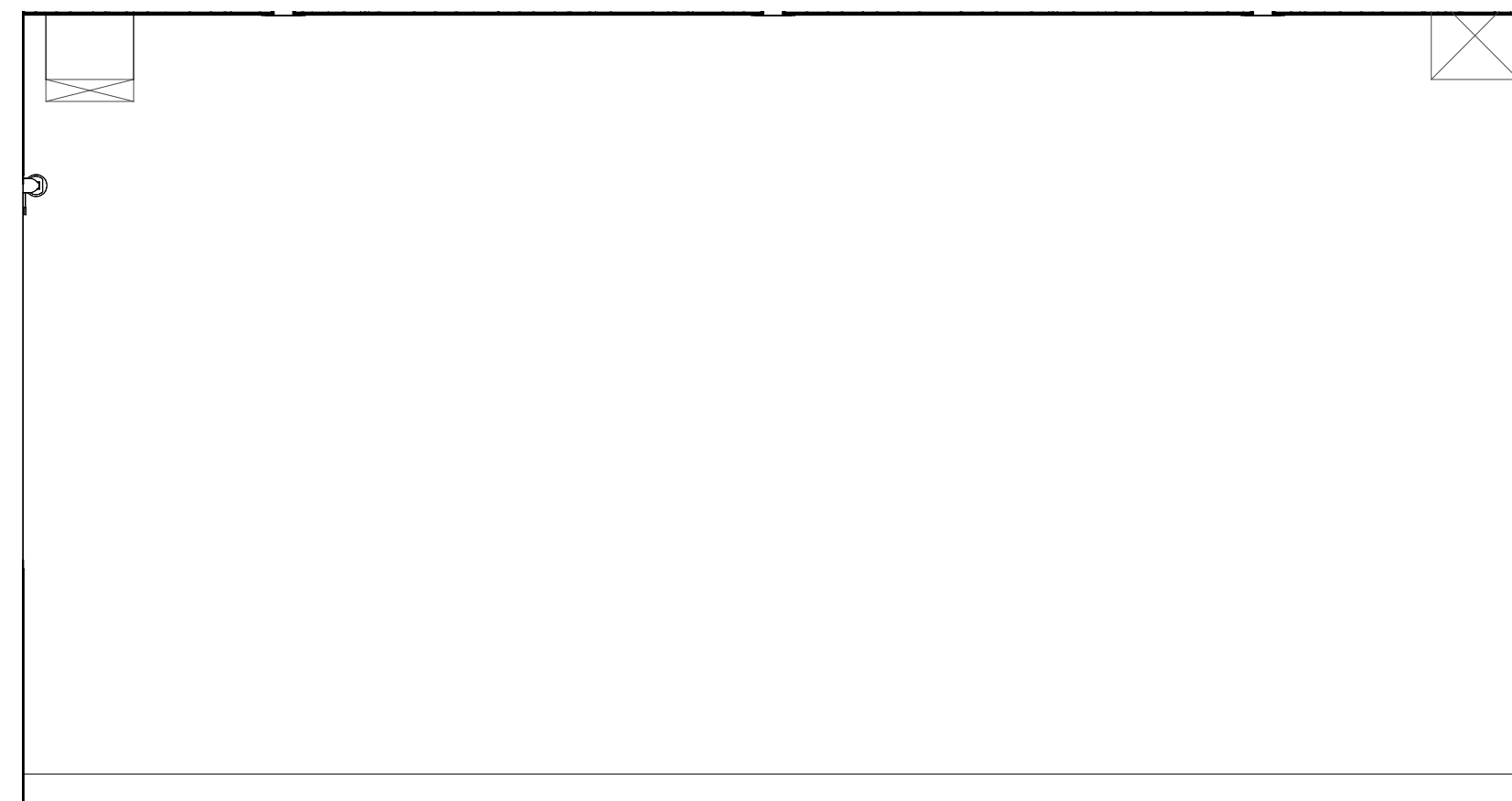
5 MEN'S AND WOMEN'S LOCKER ROOMS NORTH
A4.05 Scale: 1/2" = 1'-0"



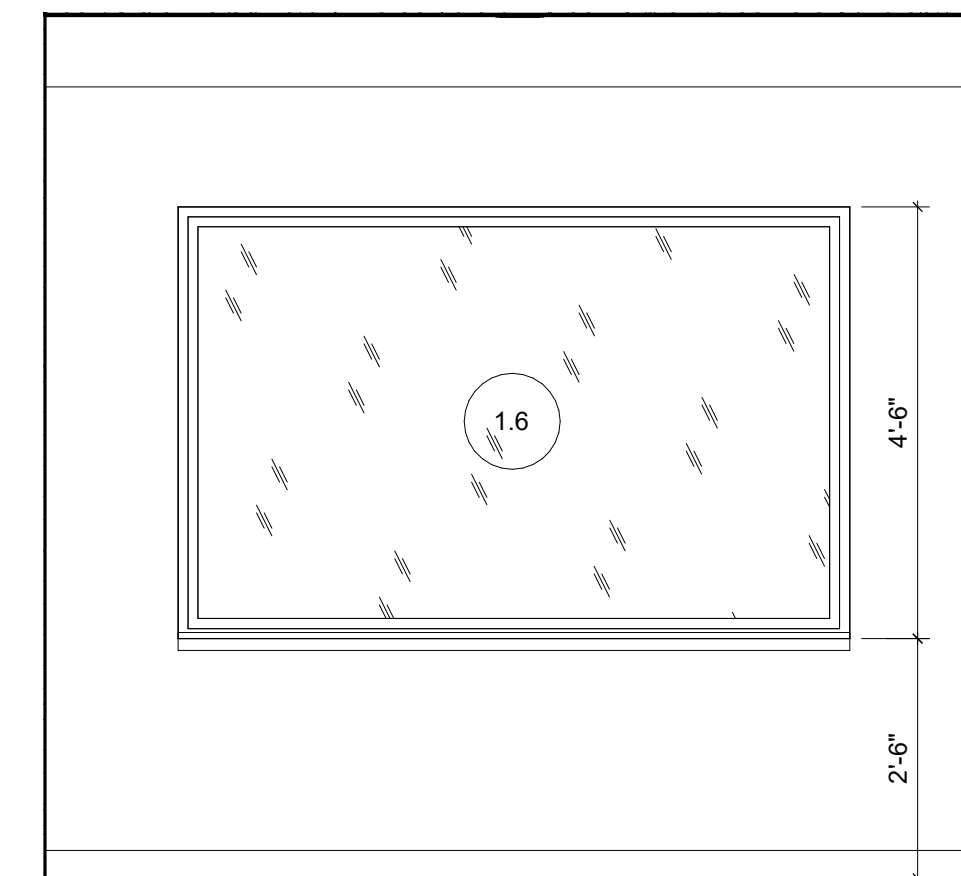
1 OFFICE WEST
A4.06 Scale: 1/2" = 1'-0"



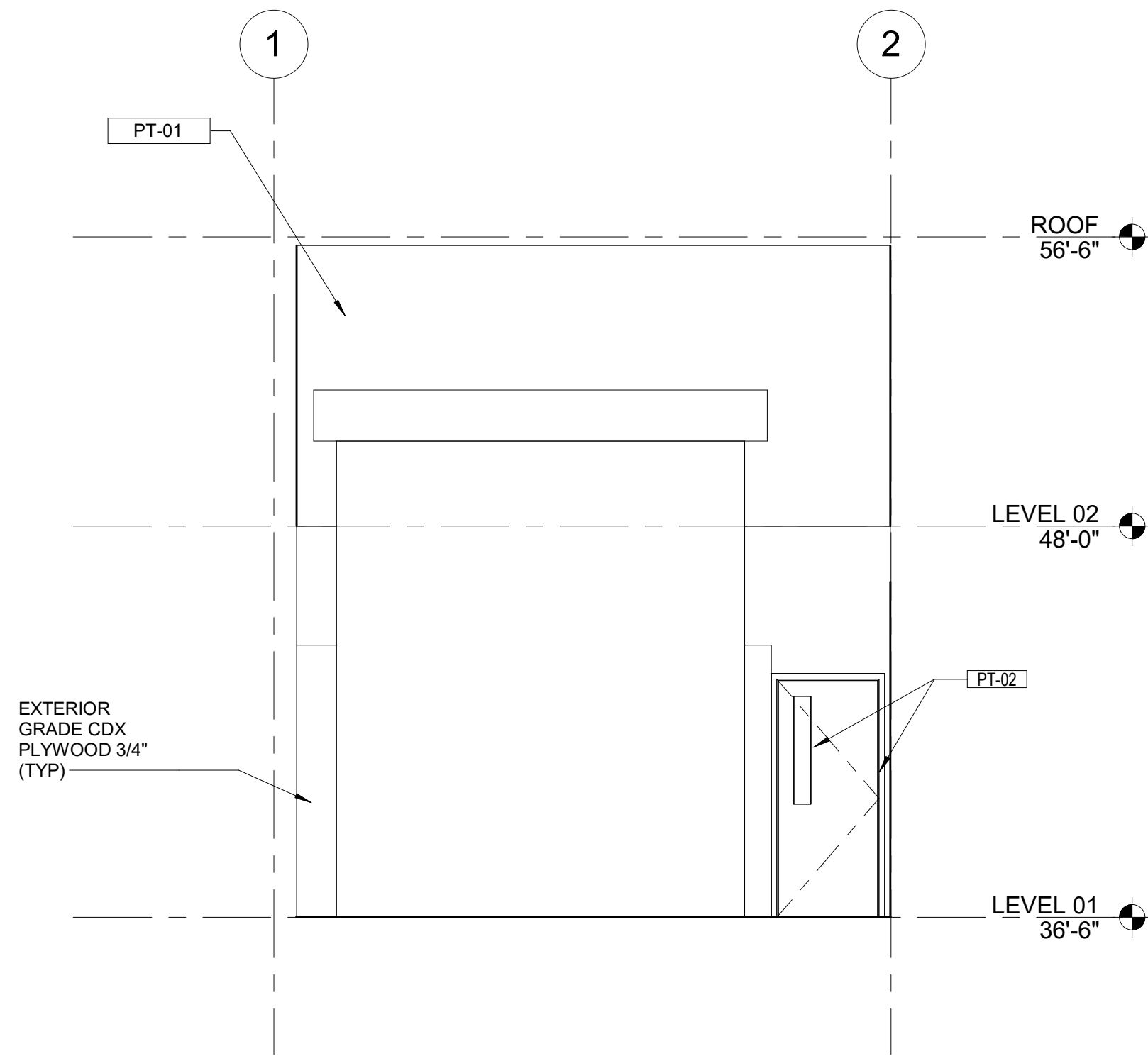
2 OFFICE NORTH
A4.06 Scale: 1/2" = 1'-0"



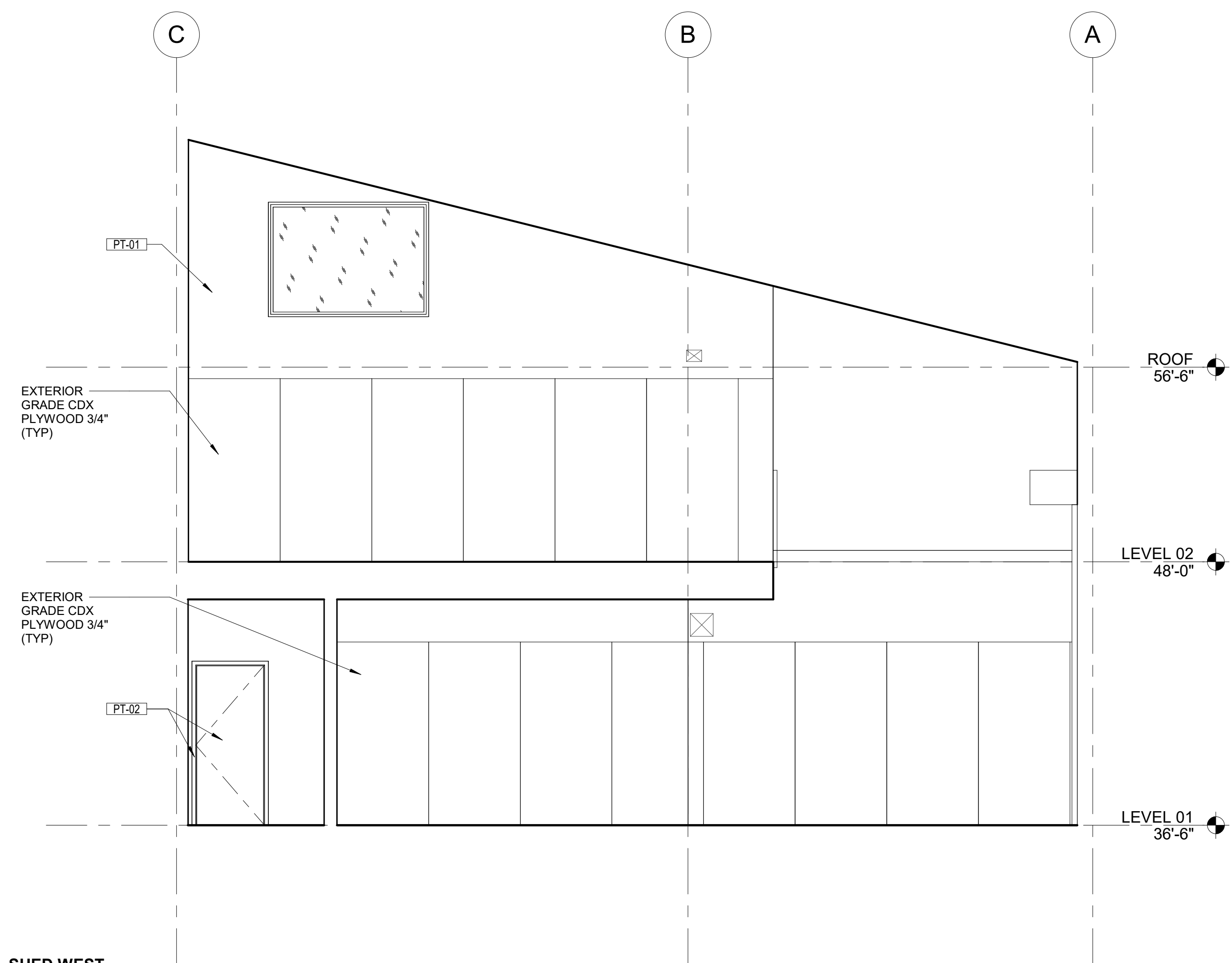
3 OFFICE EAST
A4.06 Scale: 1/2" = 1'-0"



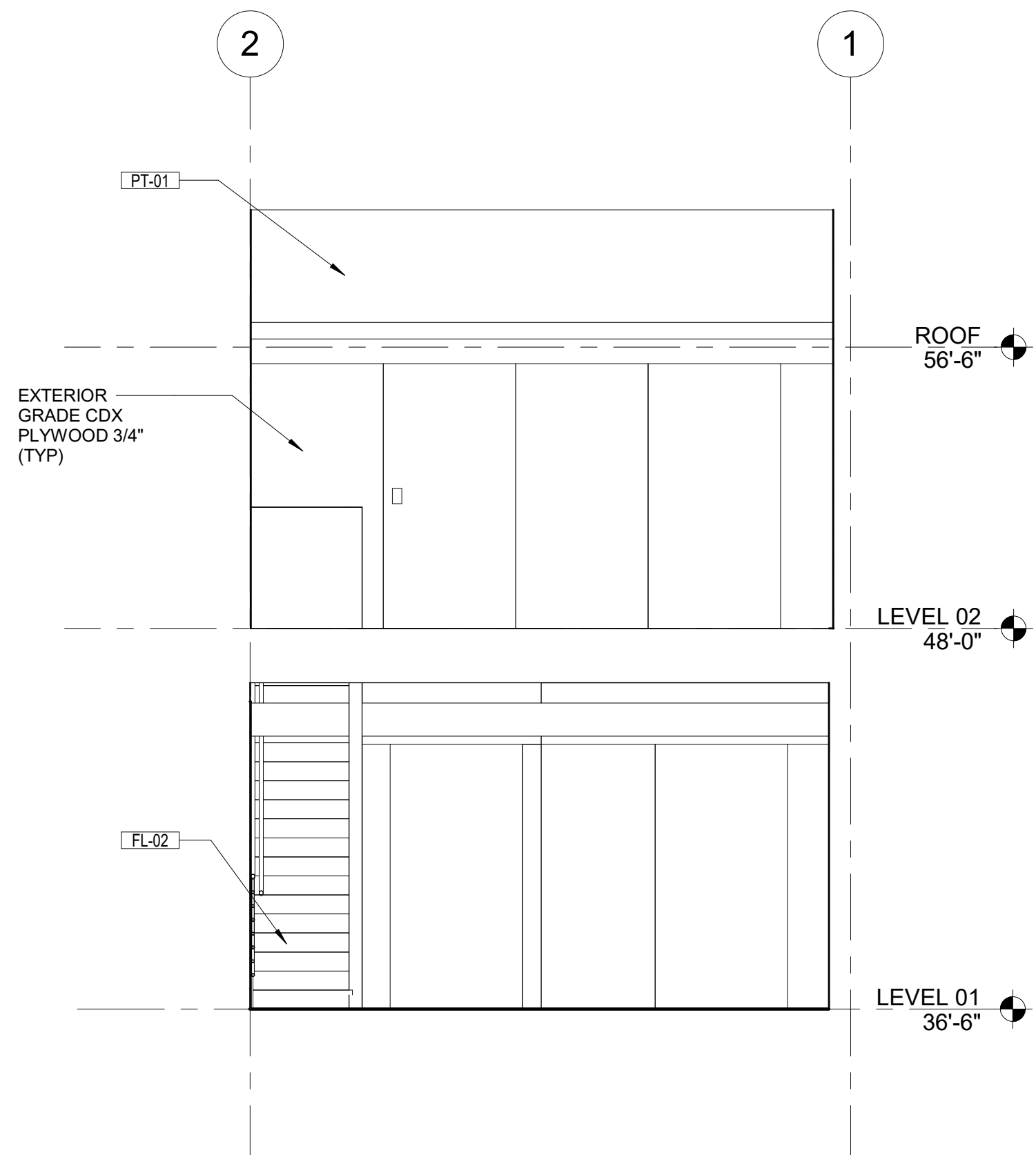
4 OFFICE SOUTH
A4.06 Scale: 1/2" = 1'-0"



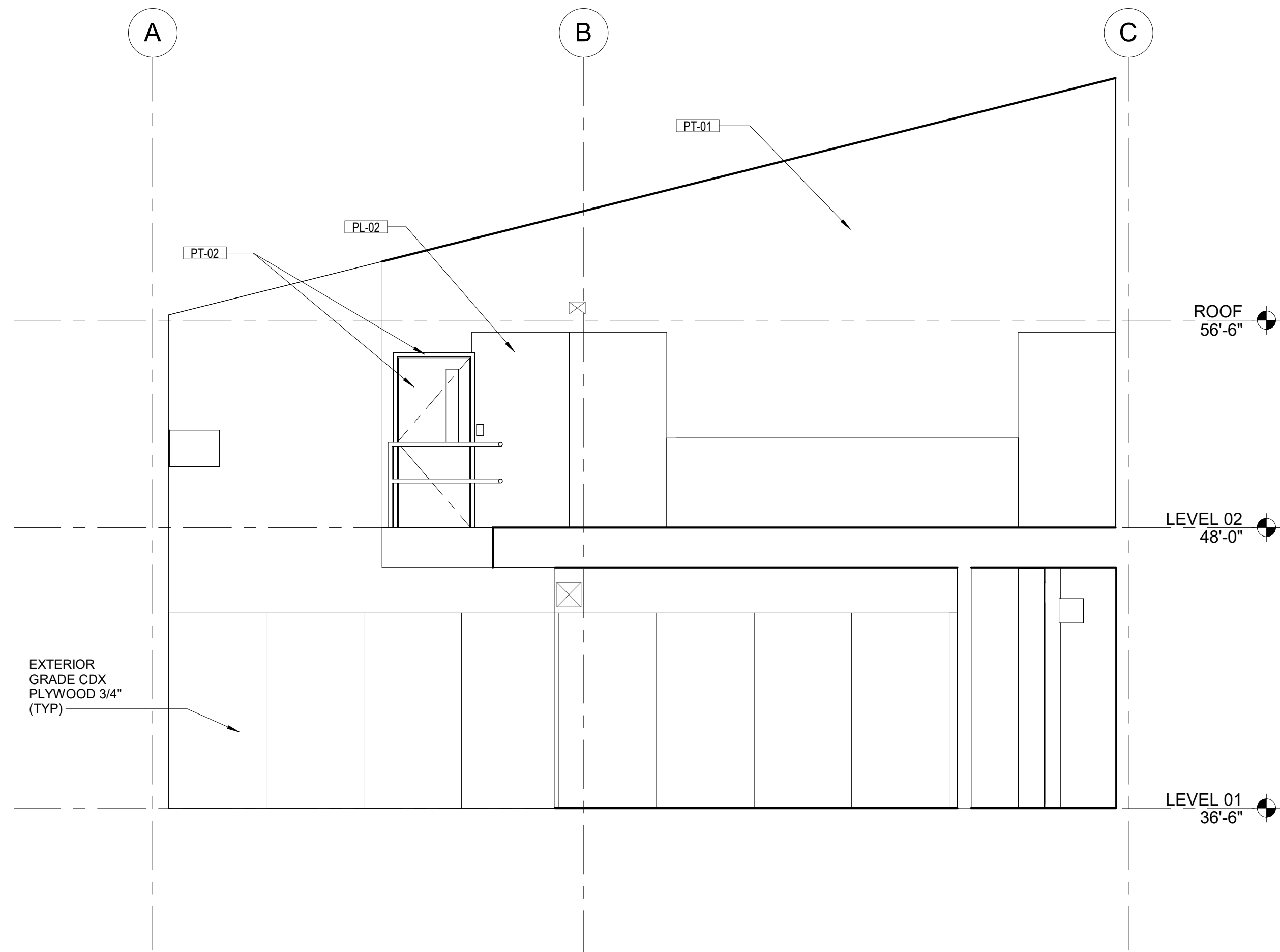
1 SHED NORTH
A4.07 Scale: 1/4" = 1'-0"



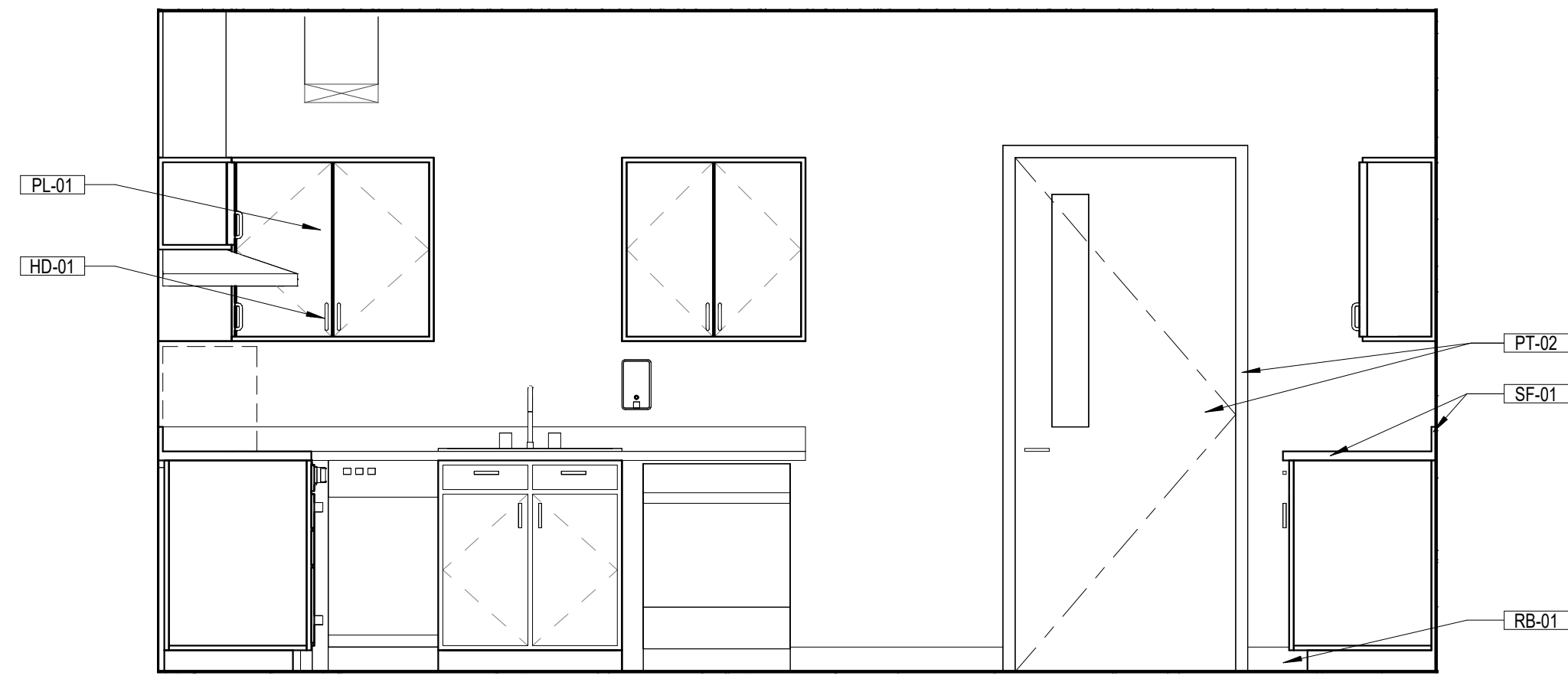
4 SHED WEST
A4.07 Scale: 1/4" = 1'-0"



3 SHED SOUTH
A4.07 Scale: 1/4" = 1'-0"



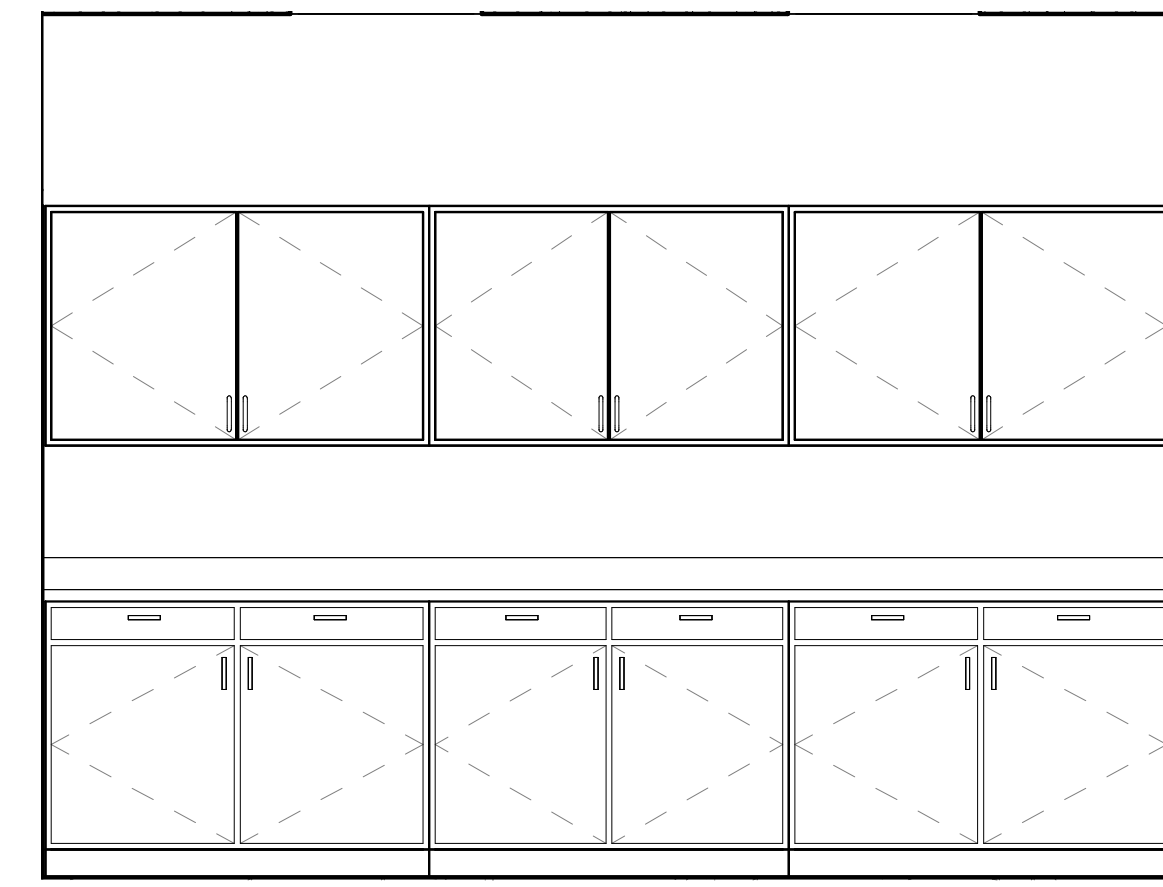
2 SHED EAST
A4.07 Scale: 1/4" = 1'-0"



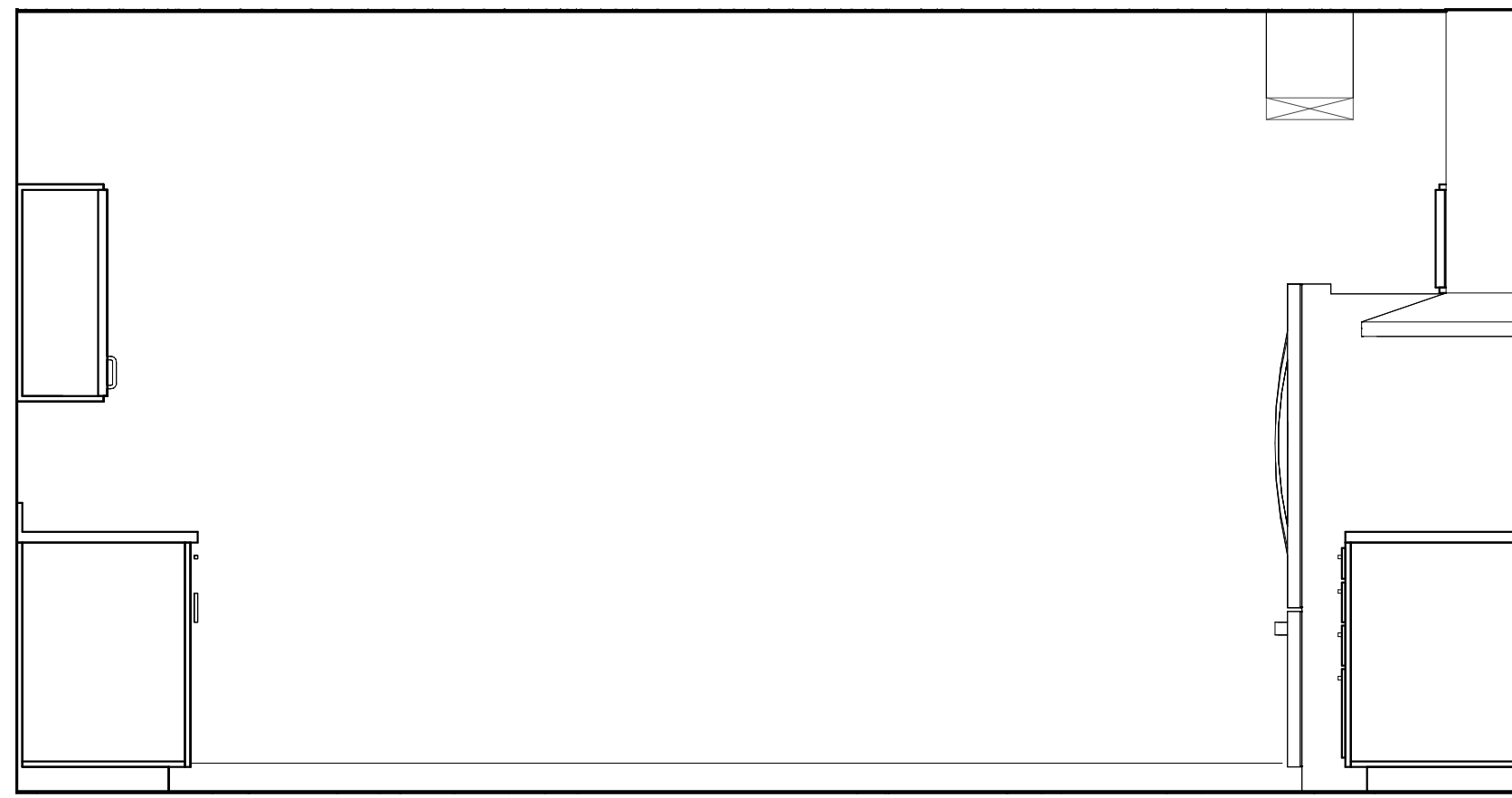
1 **BREAK ROOM - NORTH ELEVATION**
A4.08 Scale: 1/2" = 1'-0"



2 **BREAK ROOM - WEST ELEVATION**
A4.08 Scale: 1/2" = 1'-0"



3 **BREAK ROOM - EAST ELEVATION**
A4.08 Scale: 1/2" = 1'-0"

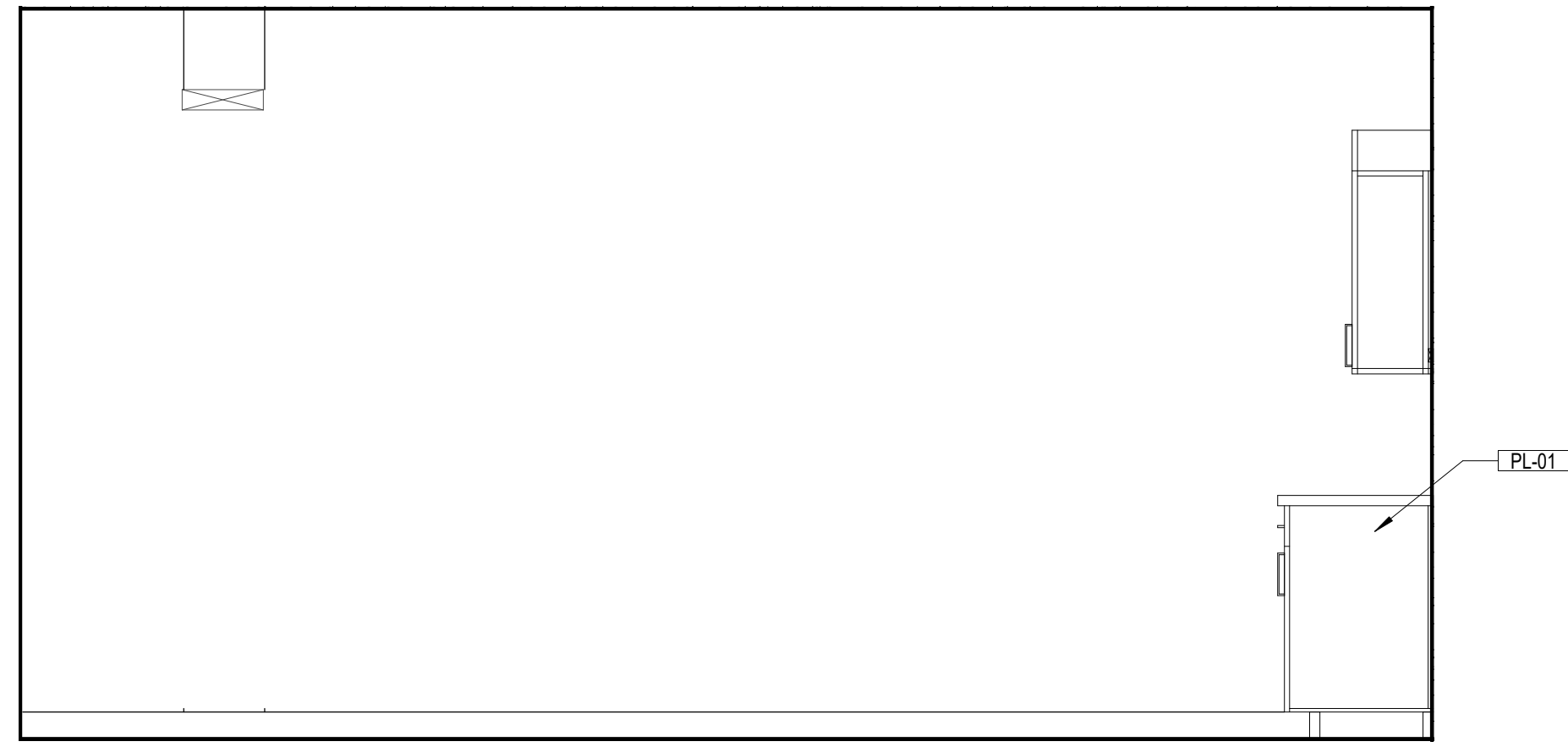


4 **BREAK ROOM - SOUTH ELEVATION**
A4.08 Scale: 1/2" = 1'-0"

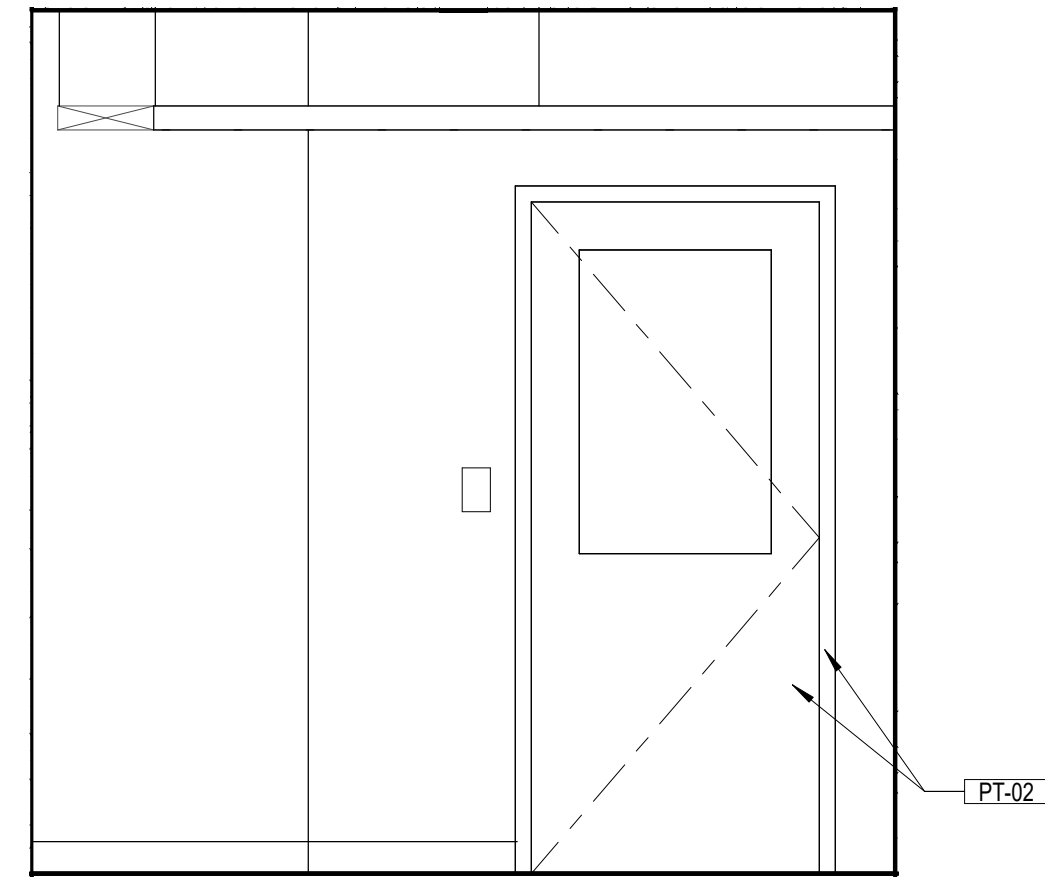
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3015 MISSION BEACH ROAD
TULALIP, WA 98271

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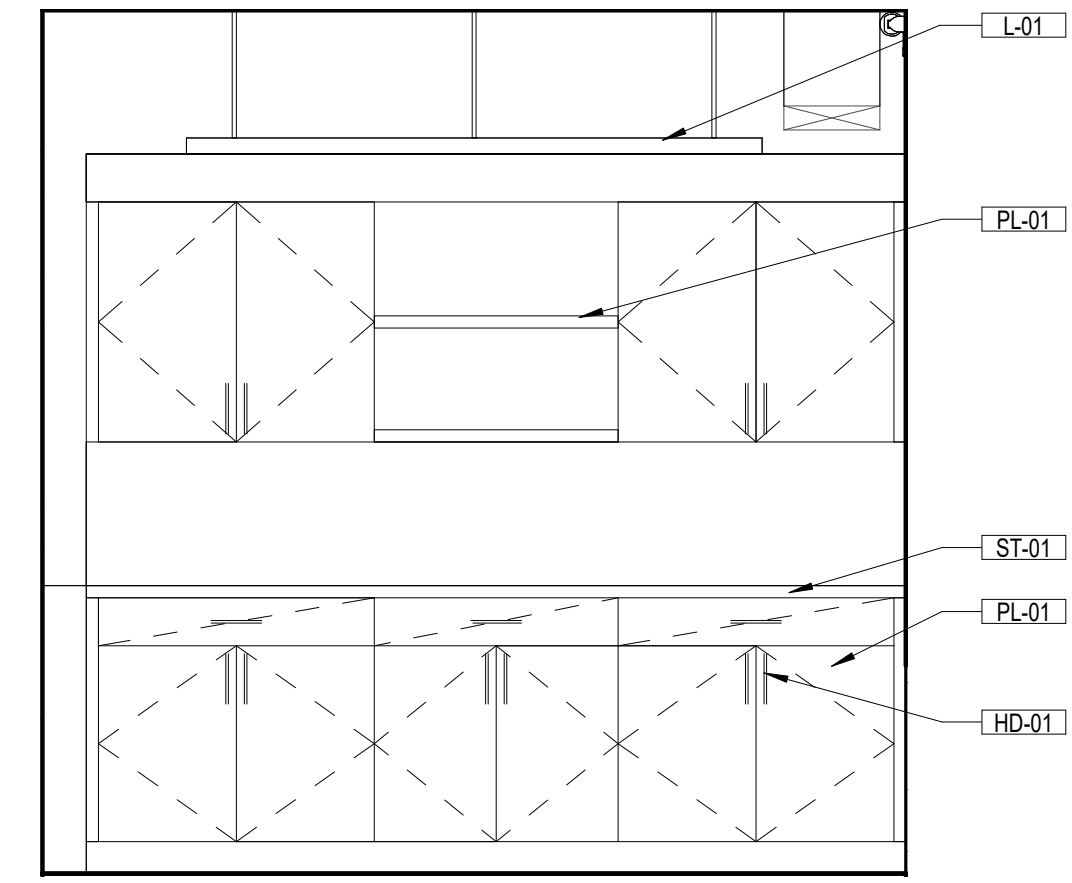
A4.08 - PRINTED: 20240324 11:48:11 AM



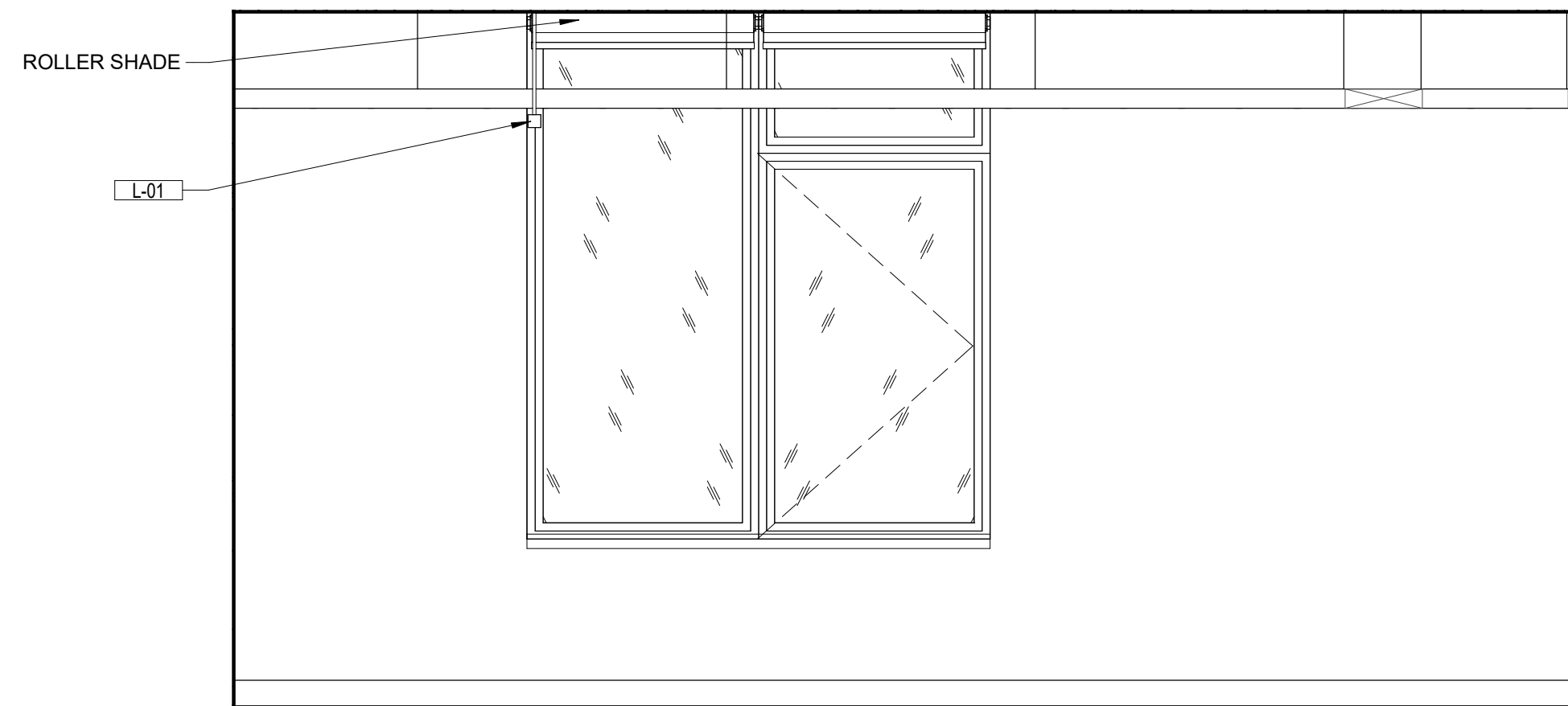
1 BILLING OFFICE - NORTH ELEVATION
A4.09 Scale: 1/2" = 1'-0"



2 BILLING OFFICE - WEST ELEVATION
A4.09 Scale: 1/2" = 1'-0"



3 BILLING OFFICE - EAST ELEVATION
A4.09 Scale: 1/2" = 1'-0"

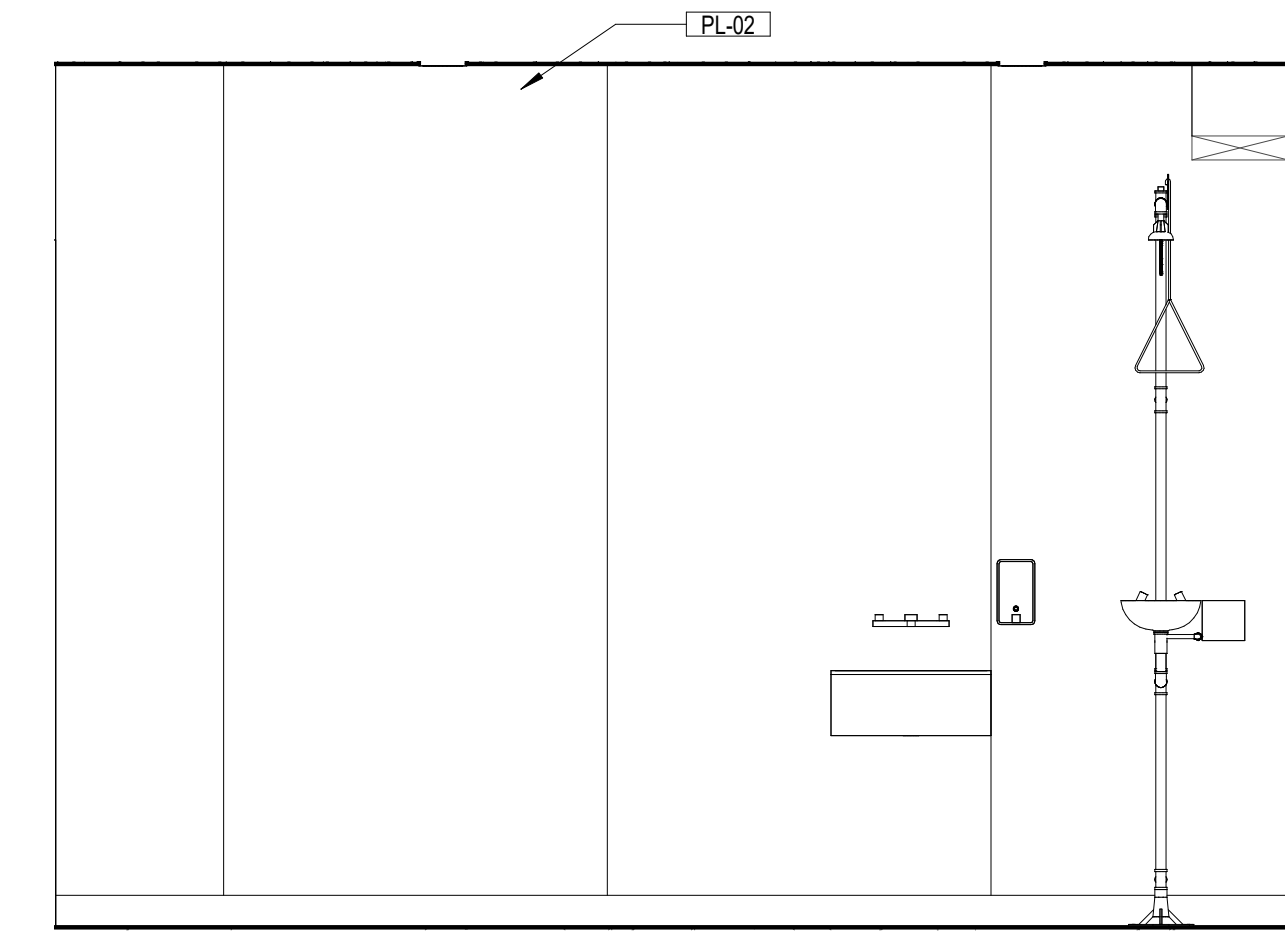
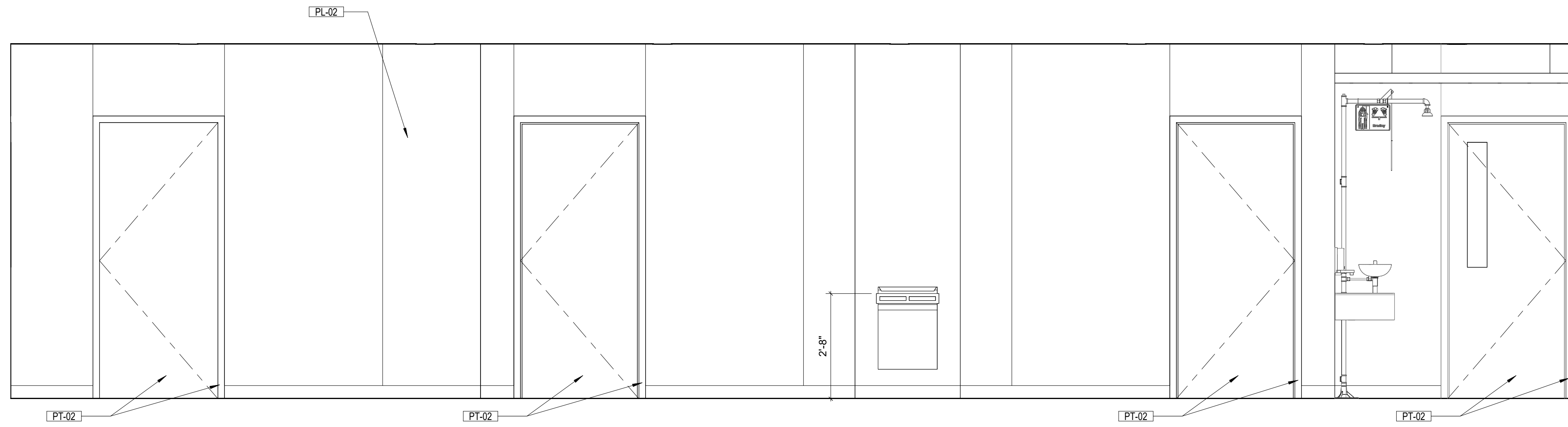


4 BILLING OFFICE - SOUTH ELEVATION
A4.09 Scale: 1/2" = 1'-0"

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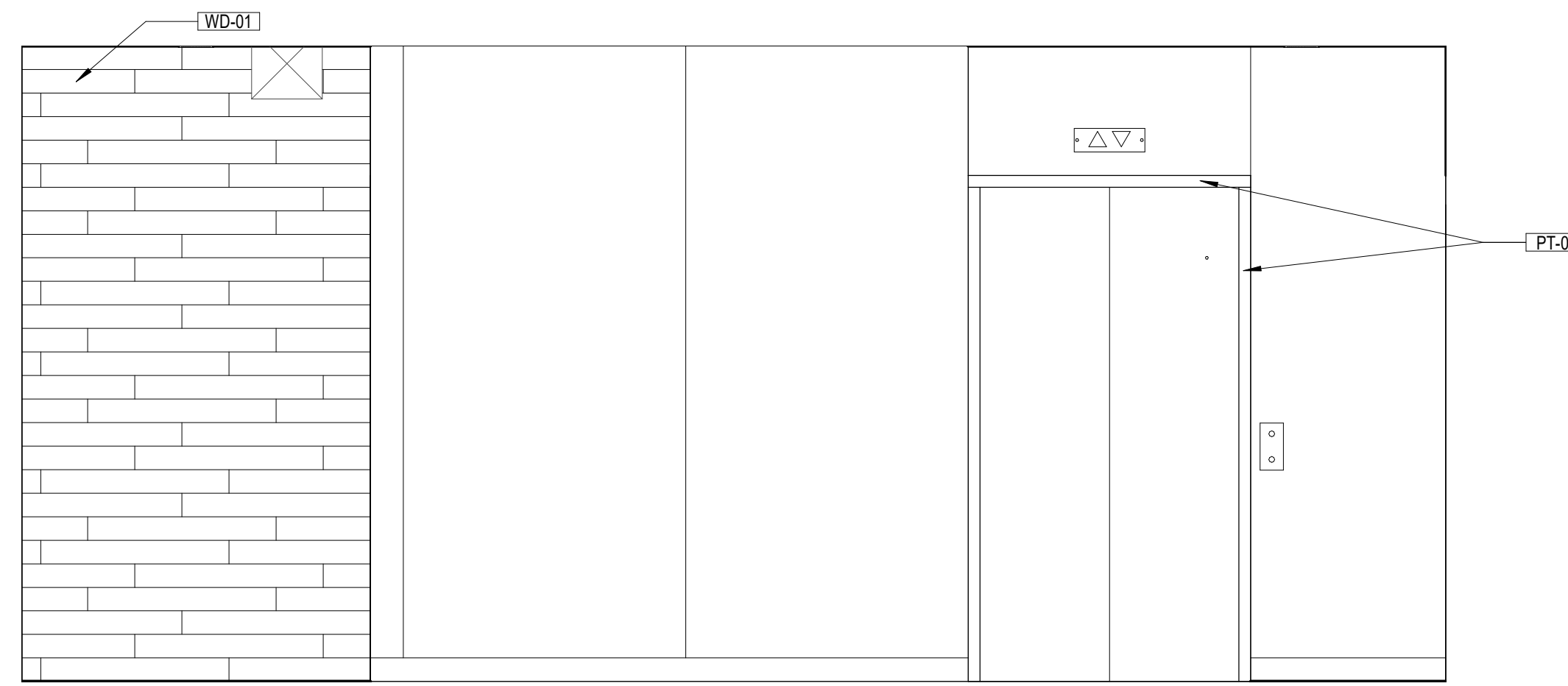
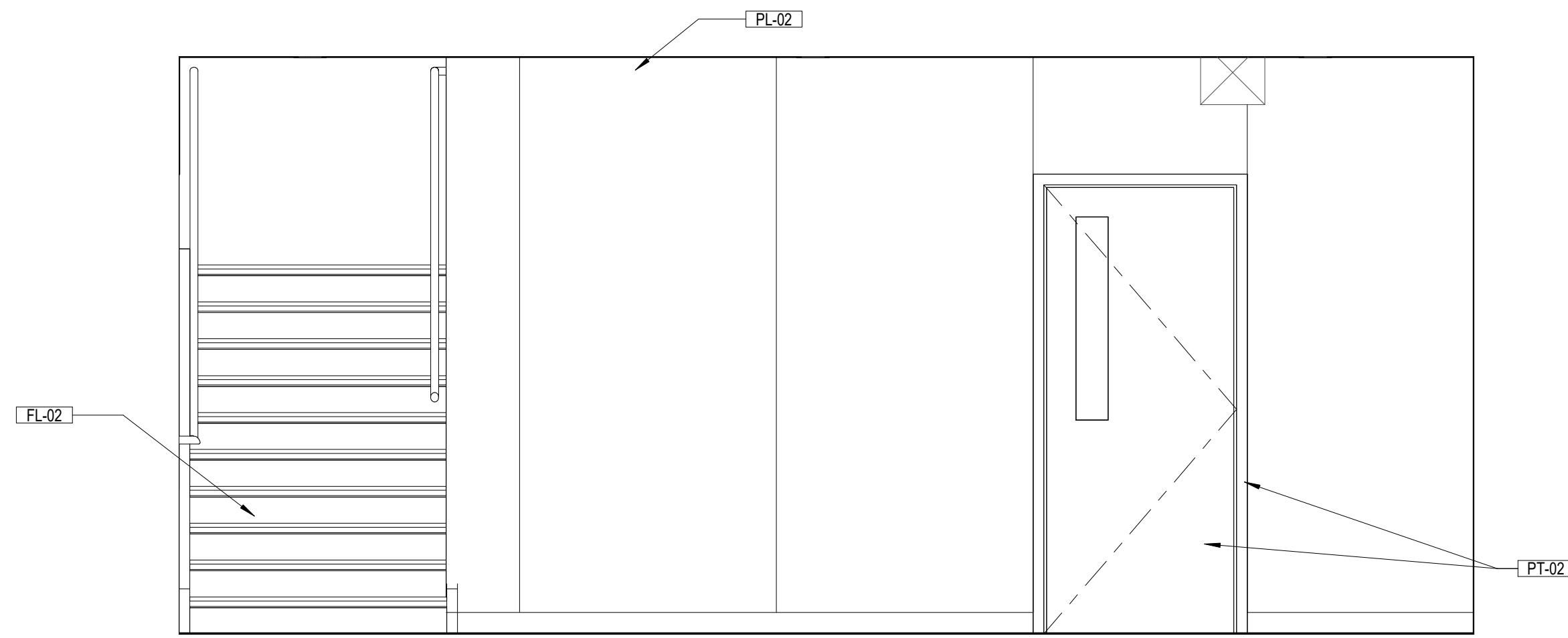
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A4.09 - PRINTED: 20240324 11:42 AM



1 **CORRIDOR - NORTH ELEVATION**
A4.10 Scale: 1/2" = 1'-0"

2 **MUD ROOM - WEST ELEVATION**
A4.10 Scale: 1/2" = 1'-0"

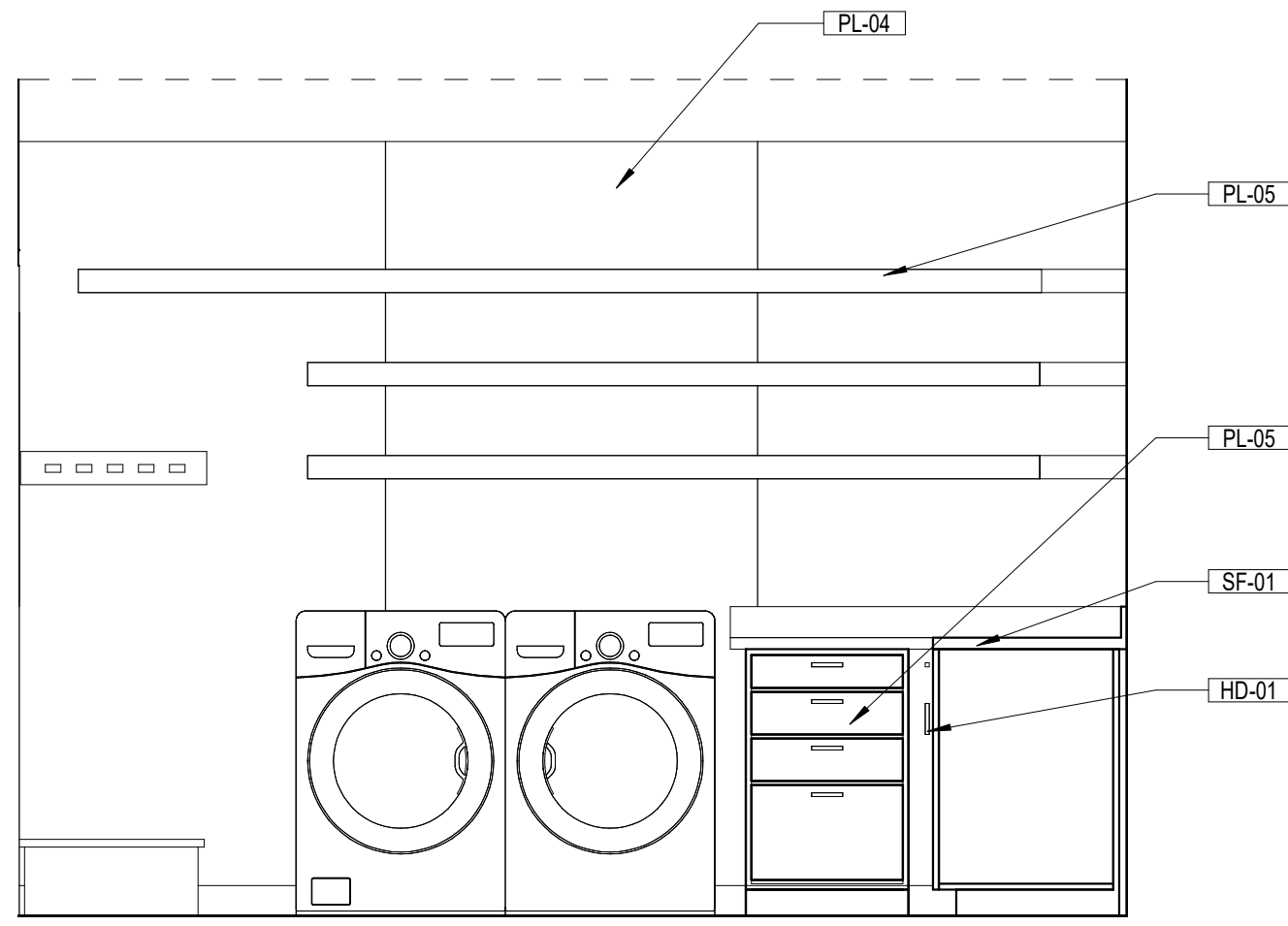


3 **HALL - EAST ELEVATION**
A4.10 Scale: 1/2" = 1'-0"

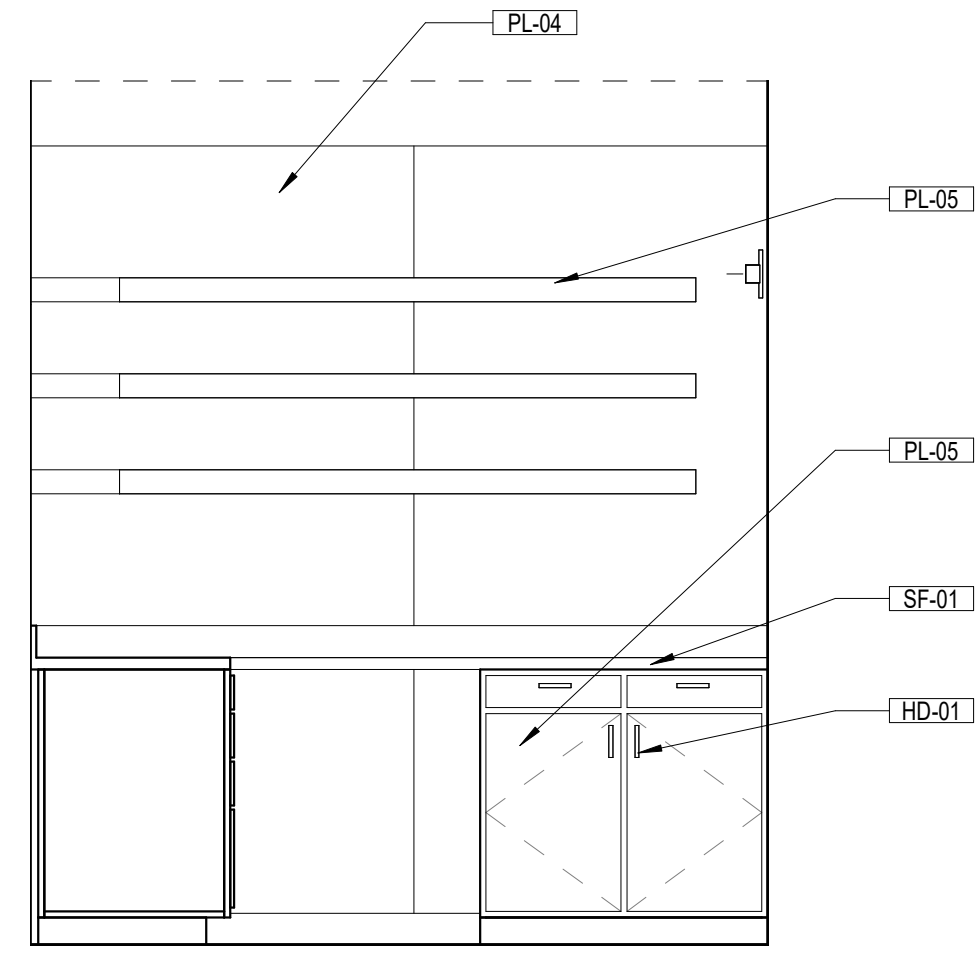
4 **HALL - WEST ELEVATION**
A4.10 Scale: 1/2" = 1'-0"

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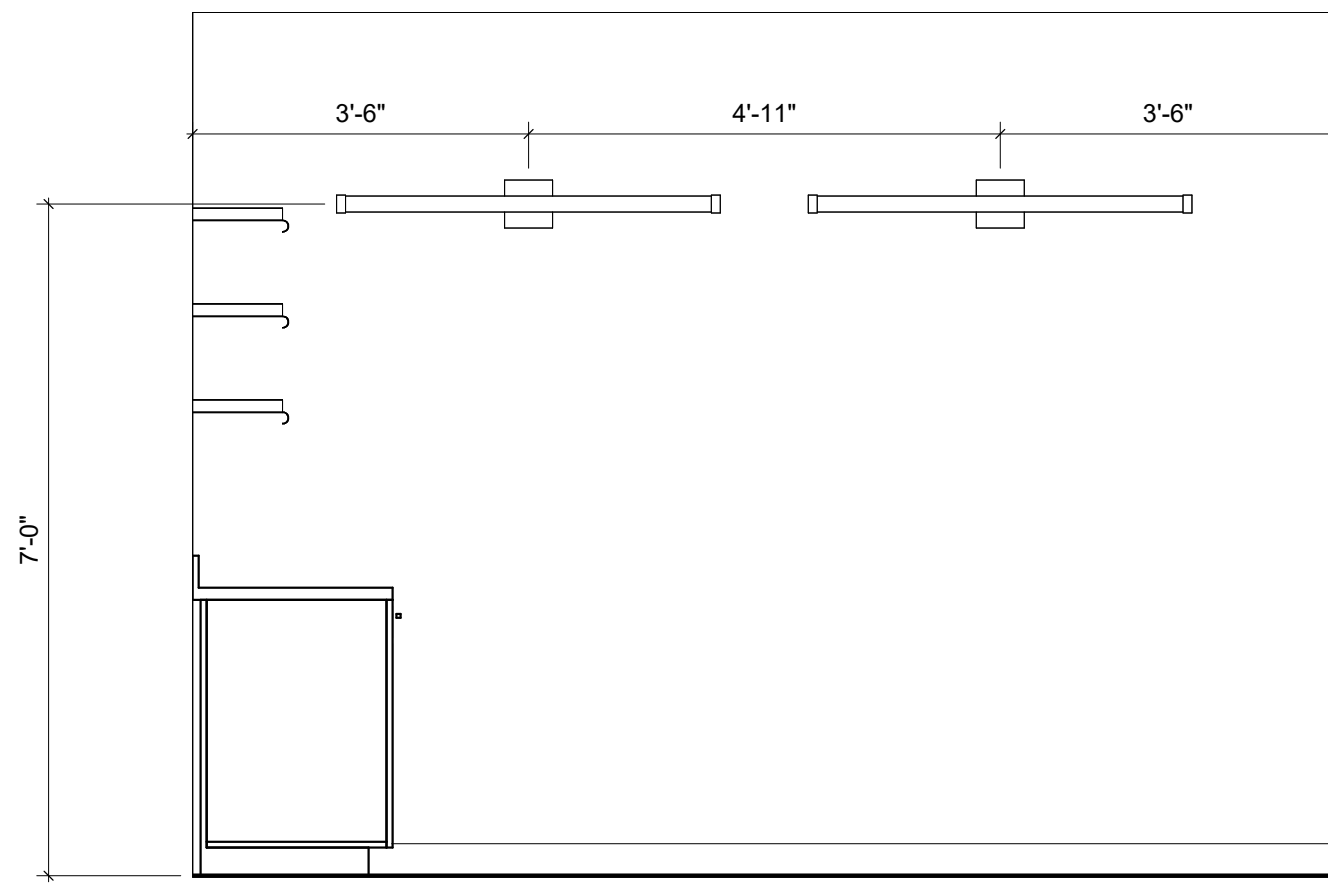
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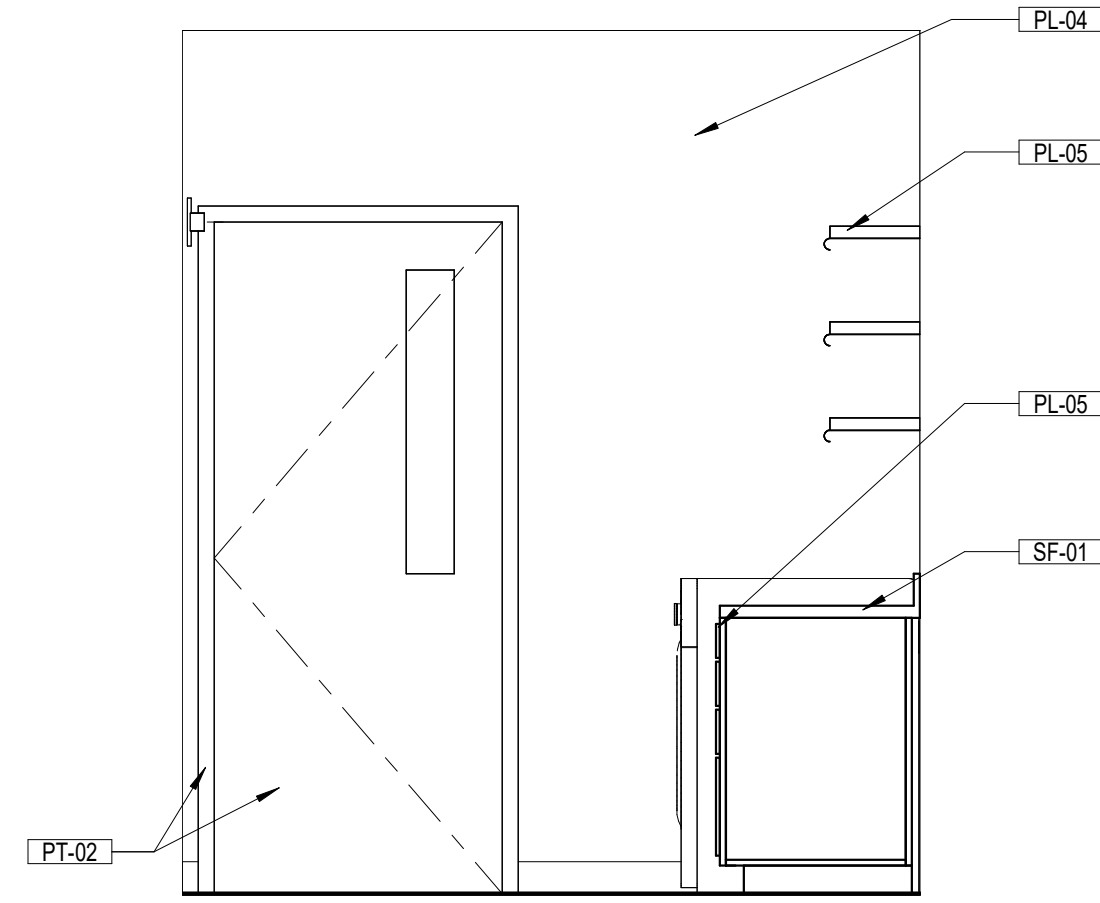
1
A4.11
Scale: 1/2" = 1'-0"



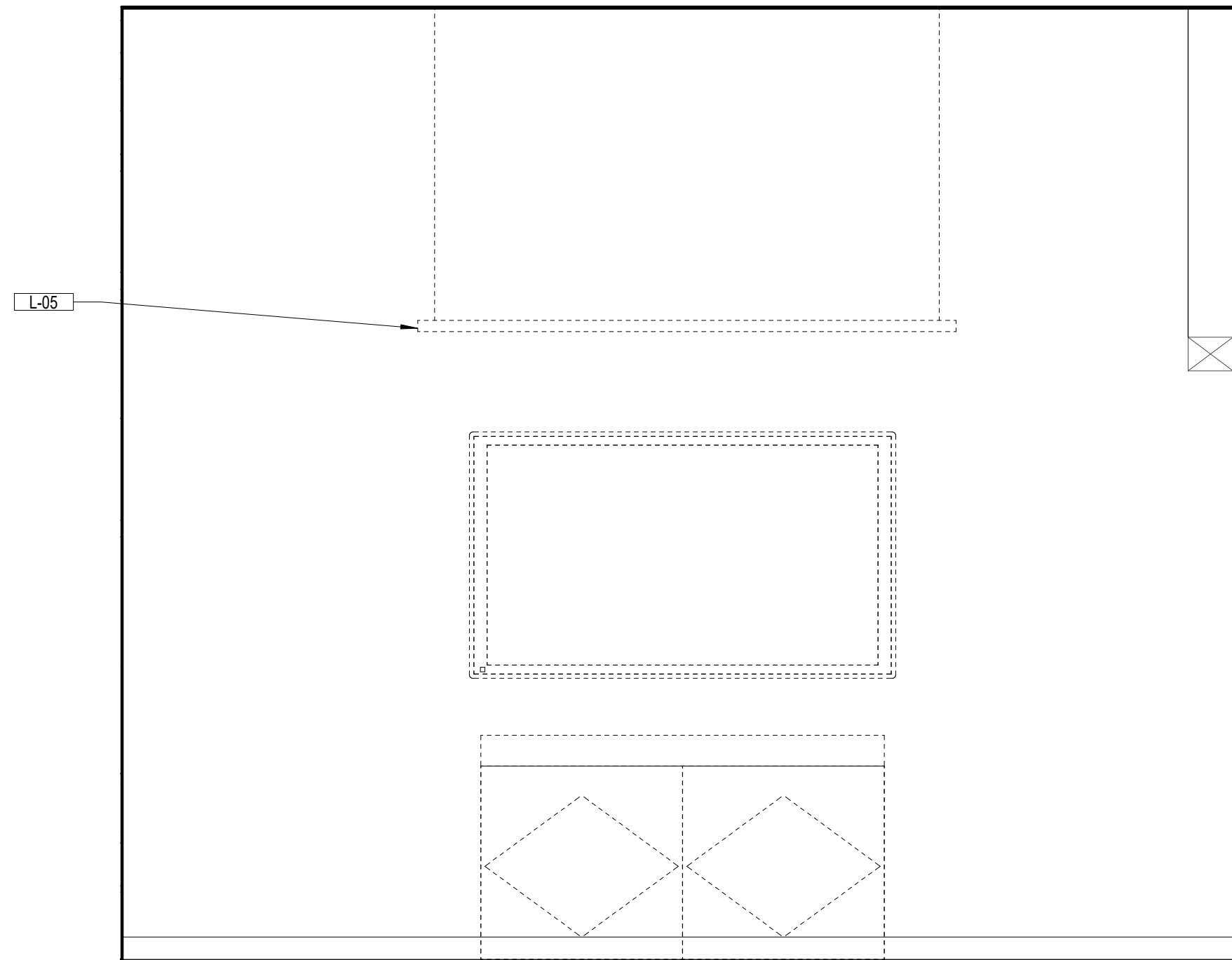
2
A4.11
Scale: 1/2" = 1'-0"



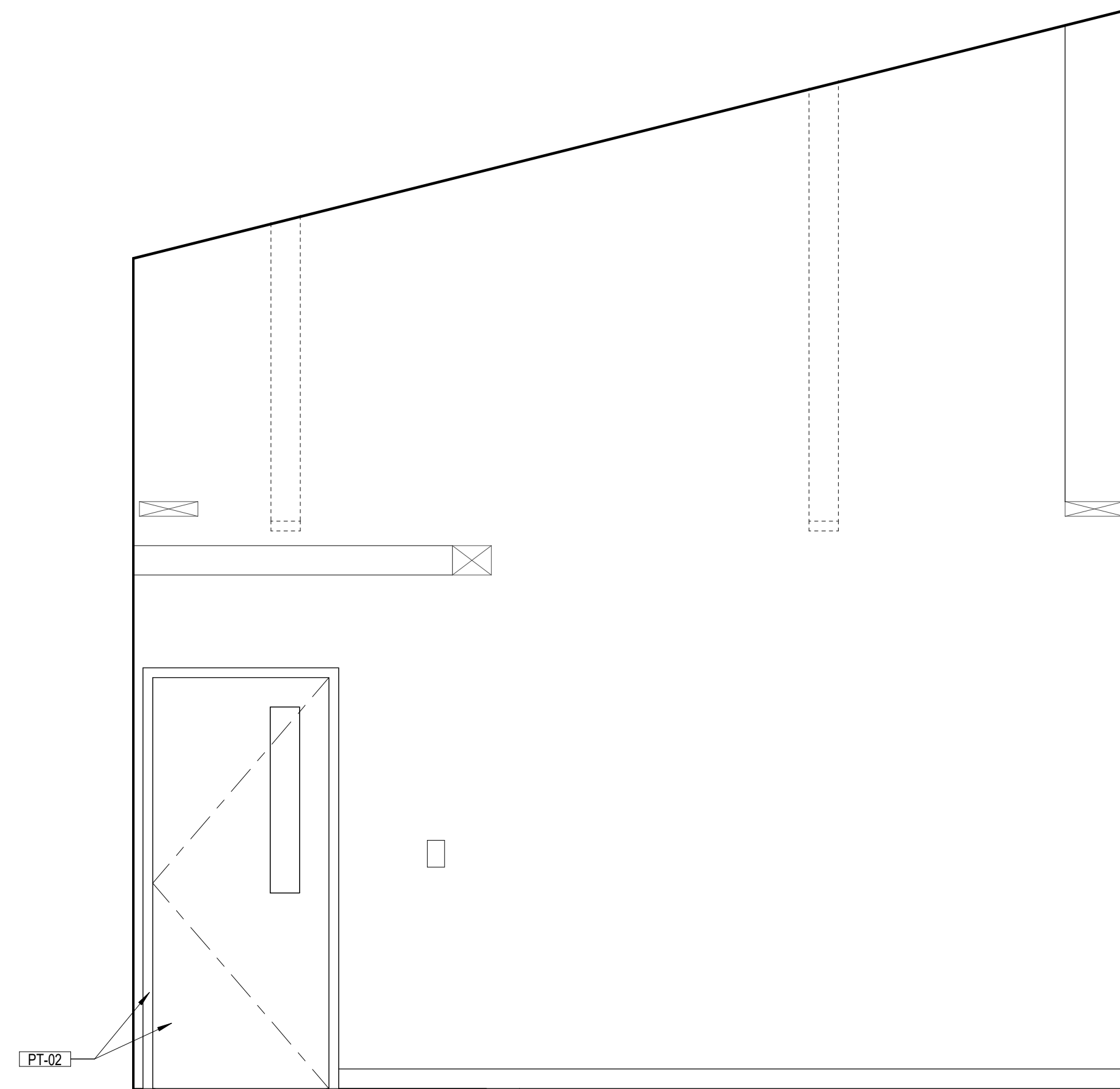
3
A4.11
Scale: 1/2" = 1'-0"



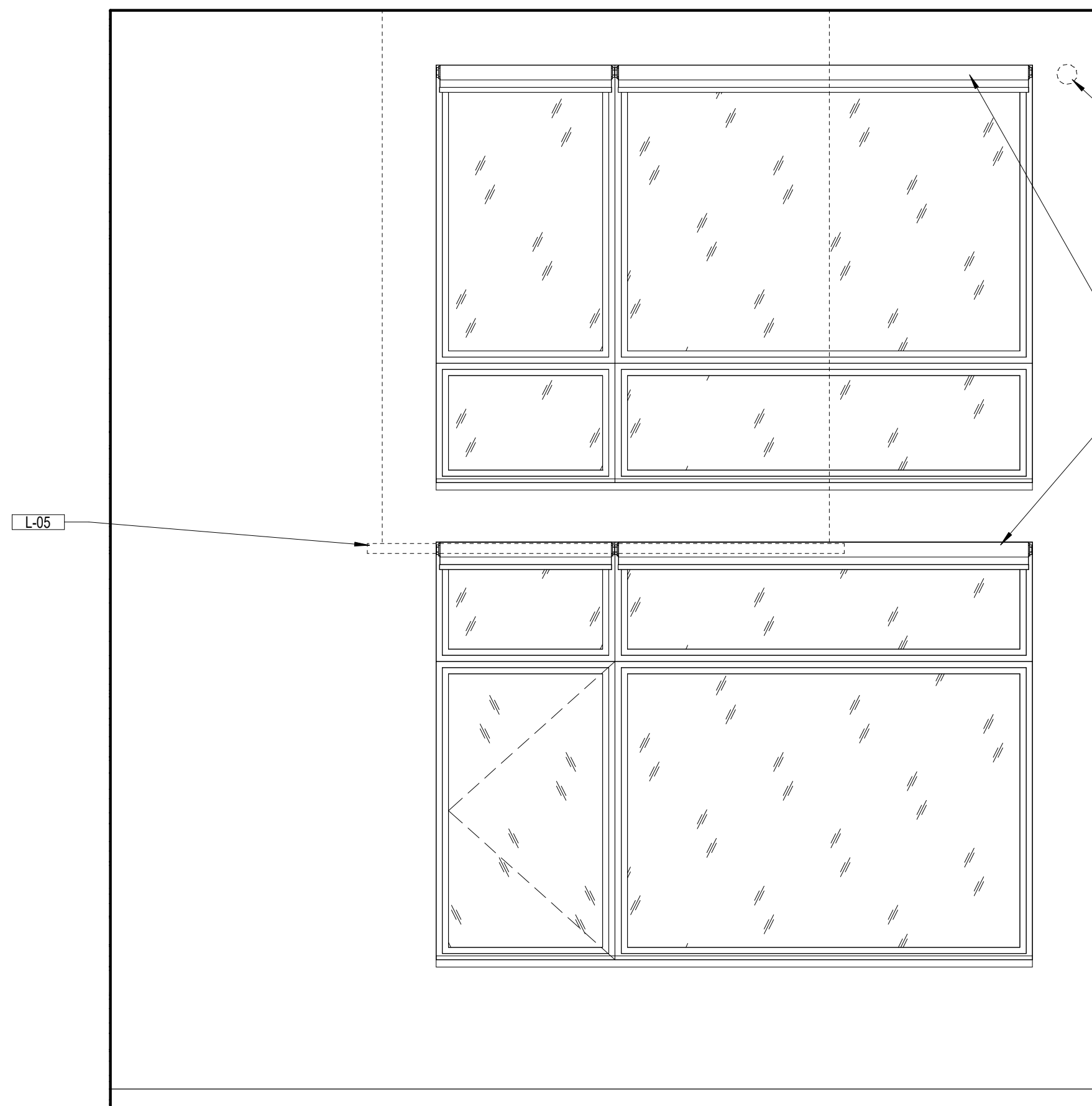
4
A4.11
Scale: 1/2" = 1'-0"



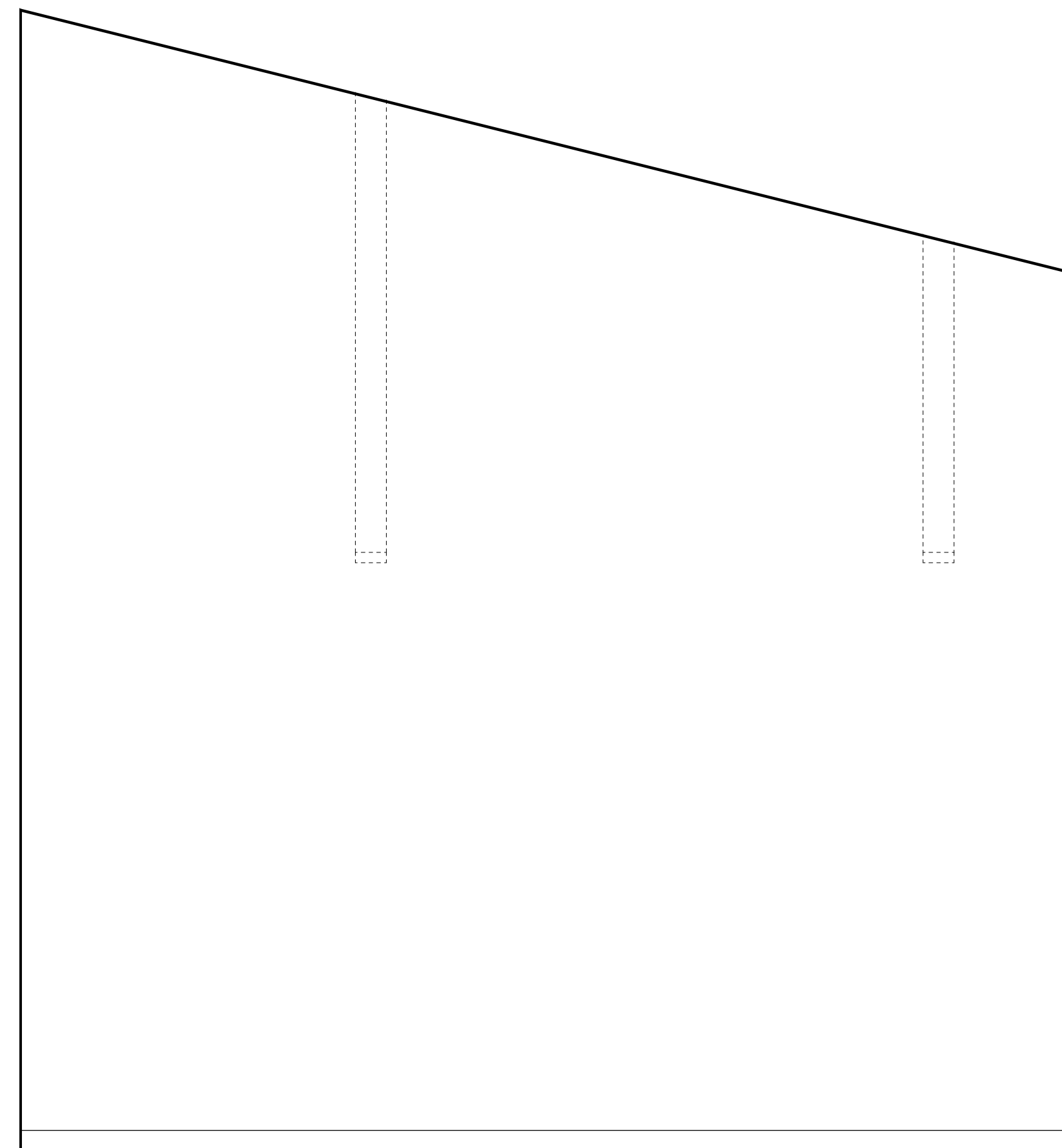
1 CONFERENCE ROOM - NORTH ELEVATION
A4.12 Scale: 1/2" = 1'-0"



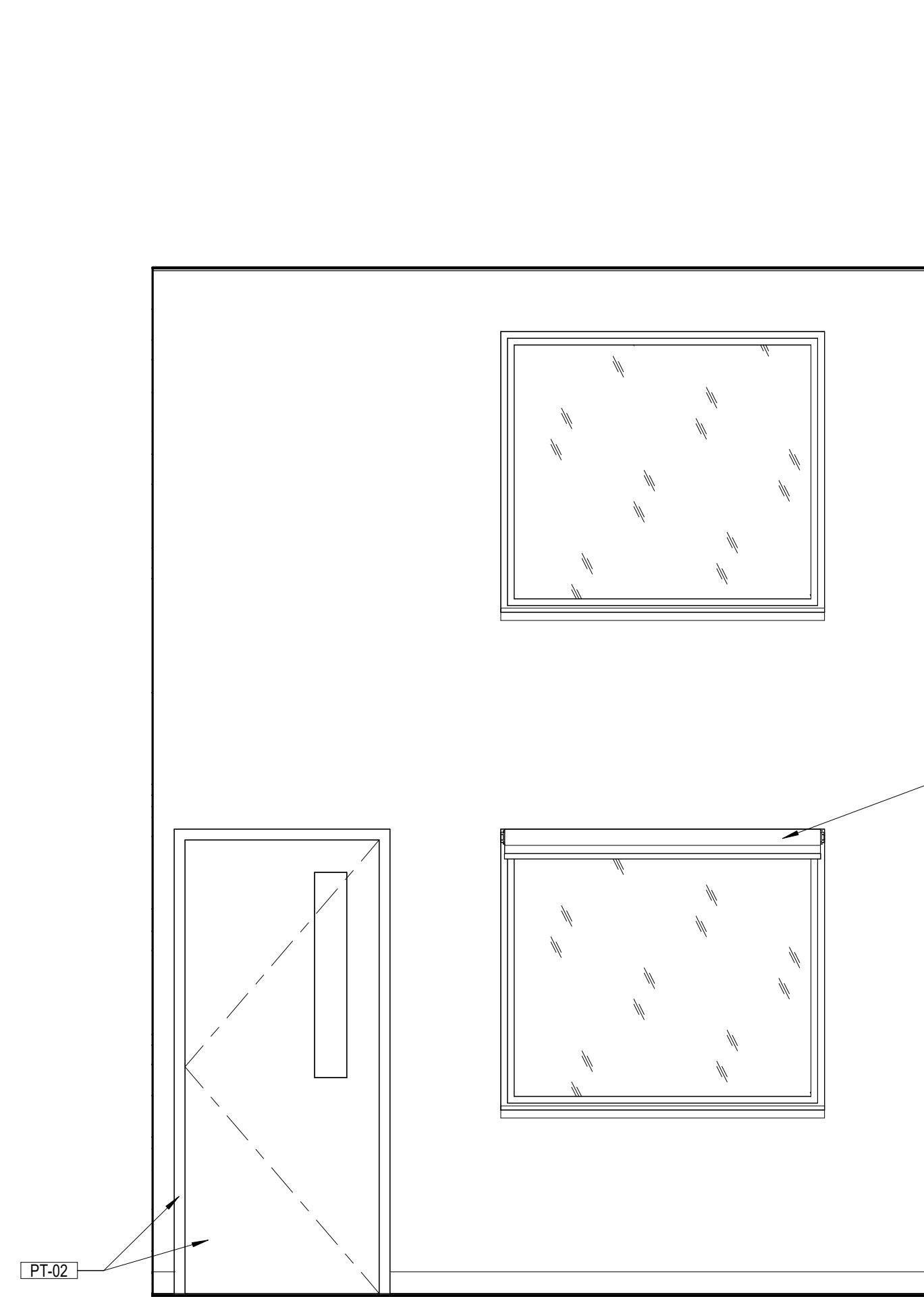
2 CONFERENCE ROOM - EAST ELEVATION
A4.12 Scale: 1/2" = 1'-0"



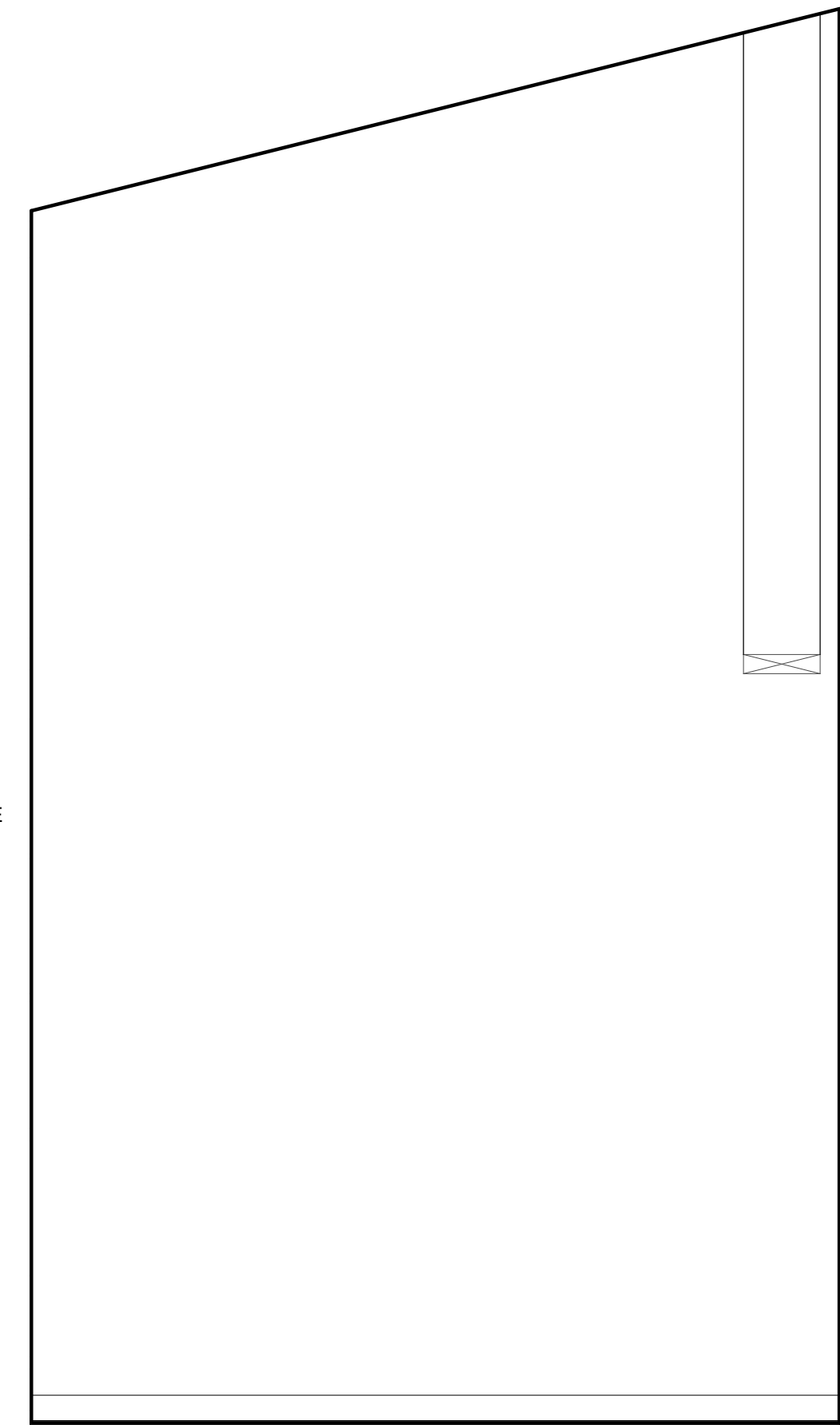
3 CONFERENCE ROOM - SOUTH ELEVATION
A4.12 Scale: 1/2" = 1'-0"



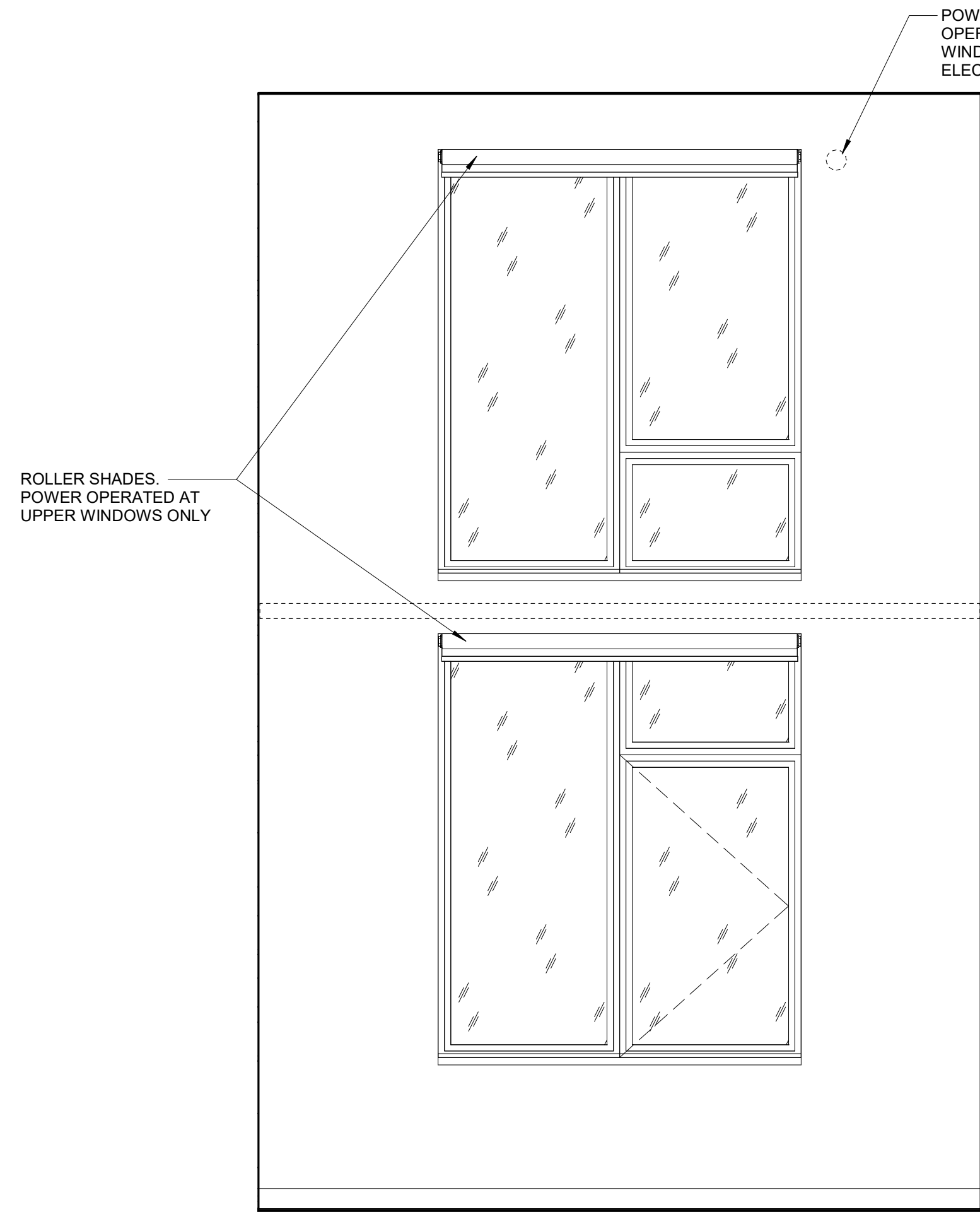
4 CONFERENCE ROOM - WEST ELEVATION
A4.12 Scale: 1/2" = 1'-0"



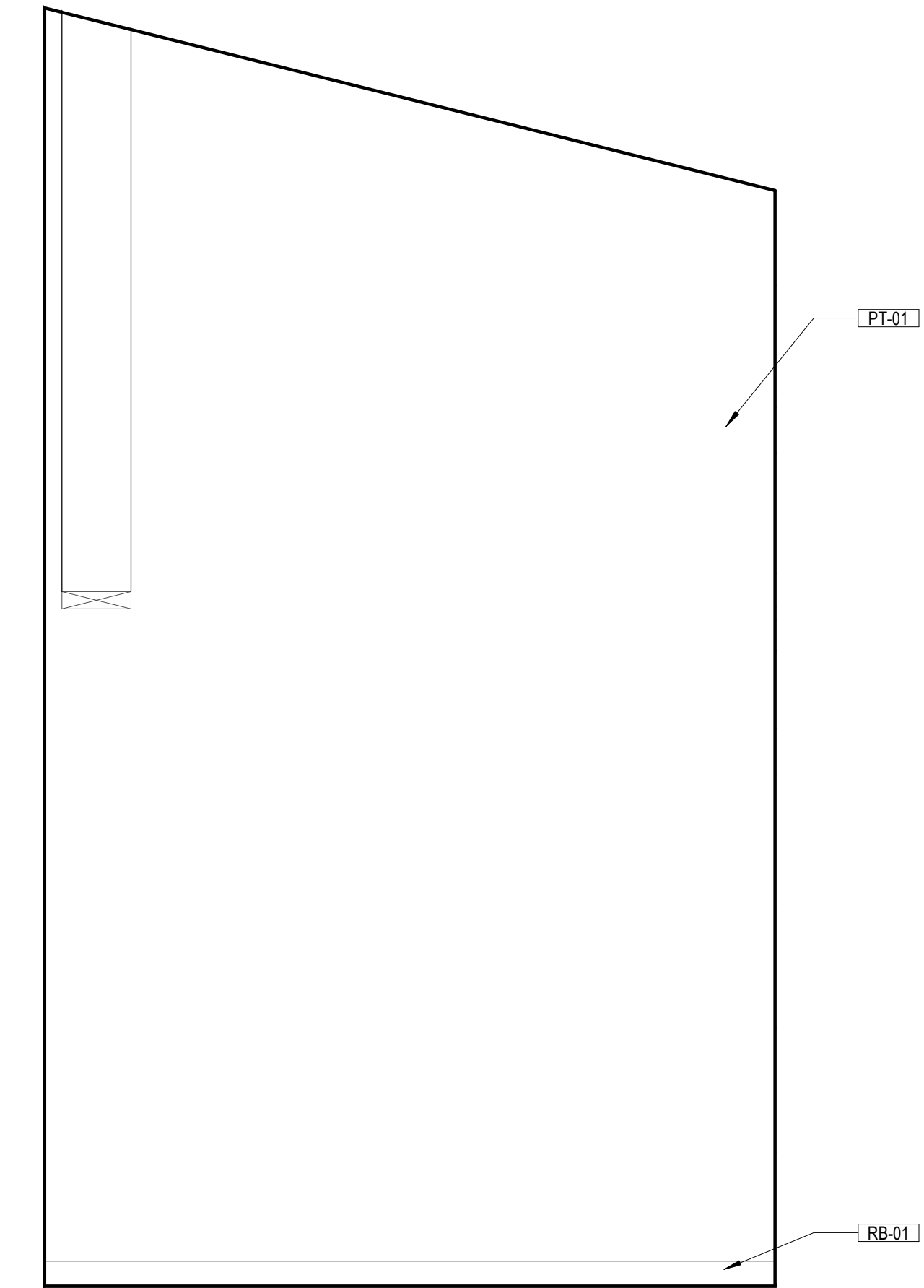
1 PRIVATE OFFICE 206 - NORTH ELEVATION (RM 205, RM 207 NORTH SIM. OPP.)
A4.13 Scale: 1/2" = 1'-0"



2 PRIVATE OFFICE 206 - EAST ELEVATION (RM 205, RM 207 WEST SIM. OPP.)
A4.13 Scale: 1/2" = 1'-0"



3 PRIVATE OFFICE 206 - SOUTH ELEVATION (RM 205, RM 207 SOUTH SIM. OPP.)
A4.13 Scale: 1/2" = 1'-0"

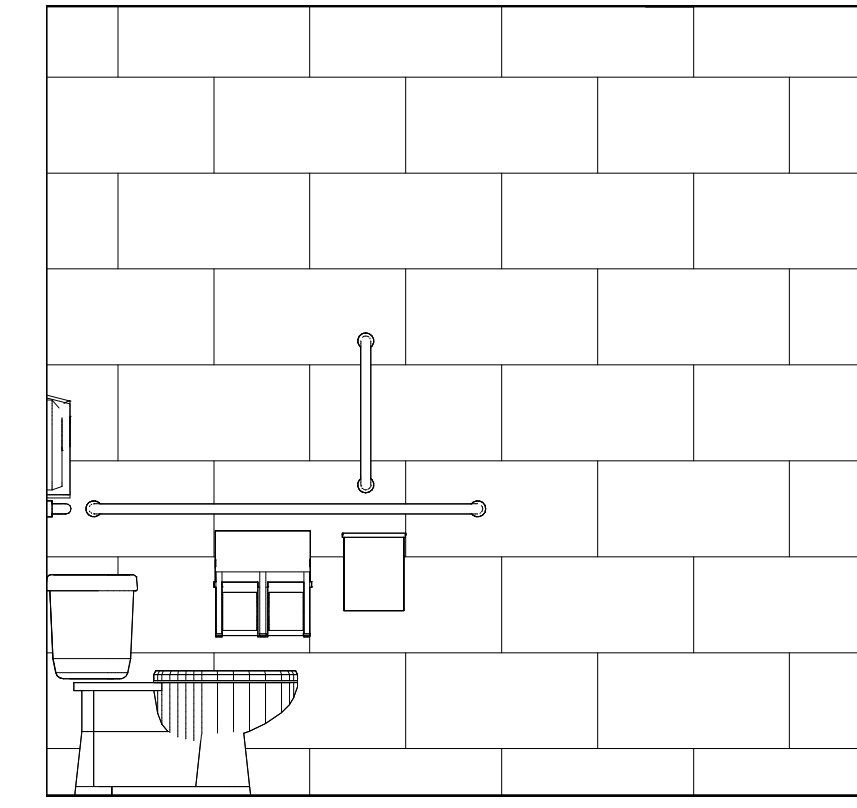
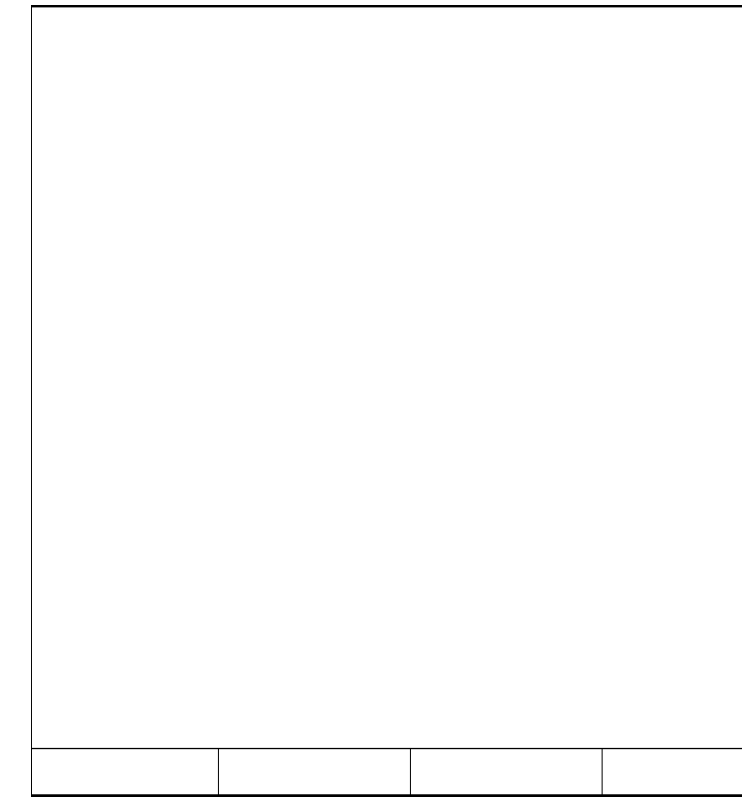
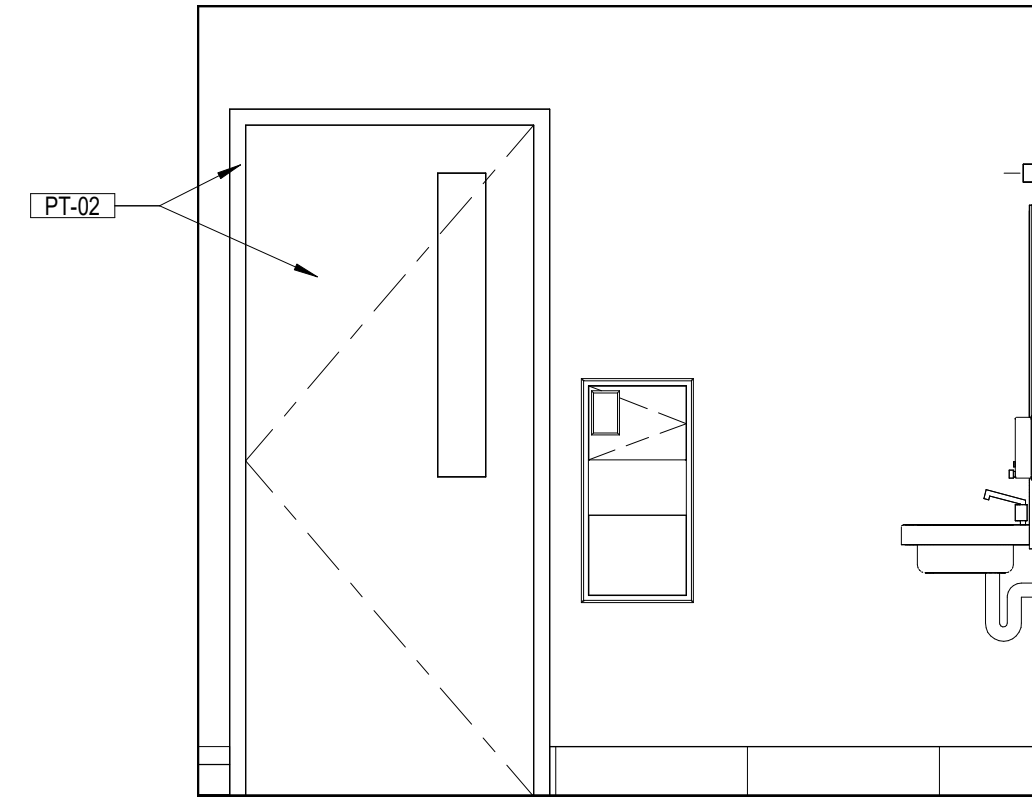
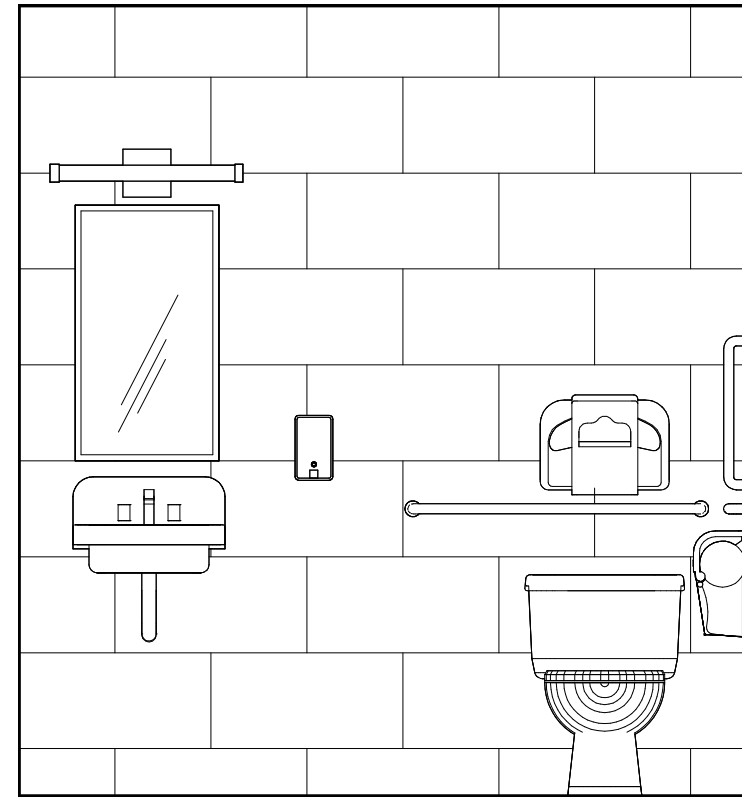


4 PRIVATE OFFICE 206 - WEST ELEVATION (RM 206, RM 207 EAST SIM. OPP.)
A4.13 Scale: 1/2" = 1'-0"

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1 FLOOR 2 MEN'S RESTROOM EAST (WOMEN'S RESTROOM WEST SIM. OPP.)
A4.14 Scale: 1/2" = 1'-0"

2 FLOOR 2 MEN'S RESTROOM NORTH (WOMEN'S RESTROOM NORTH SIM. OPP.)
A4.14 Scale: 1/2" = 1'-0"

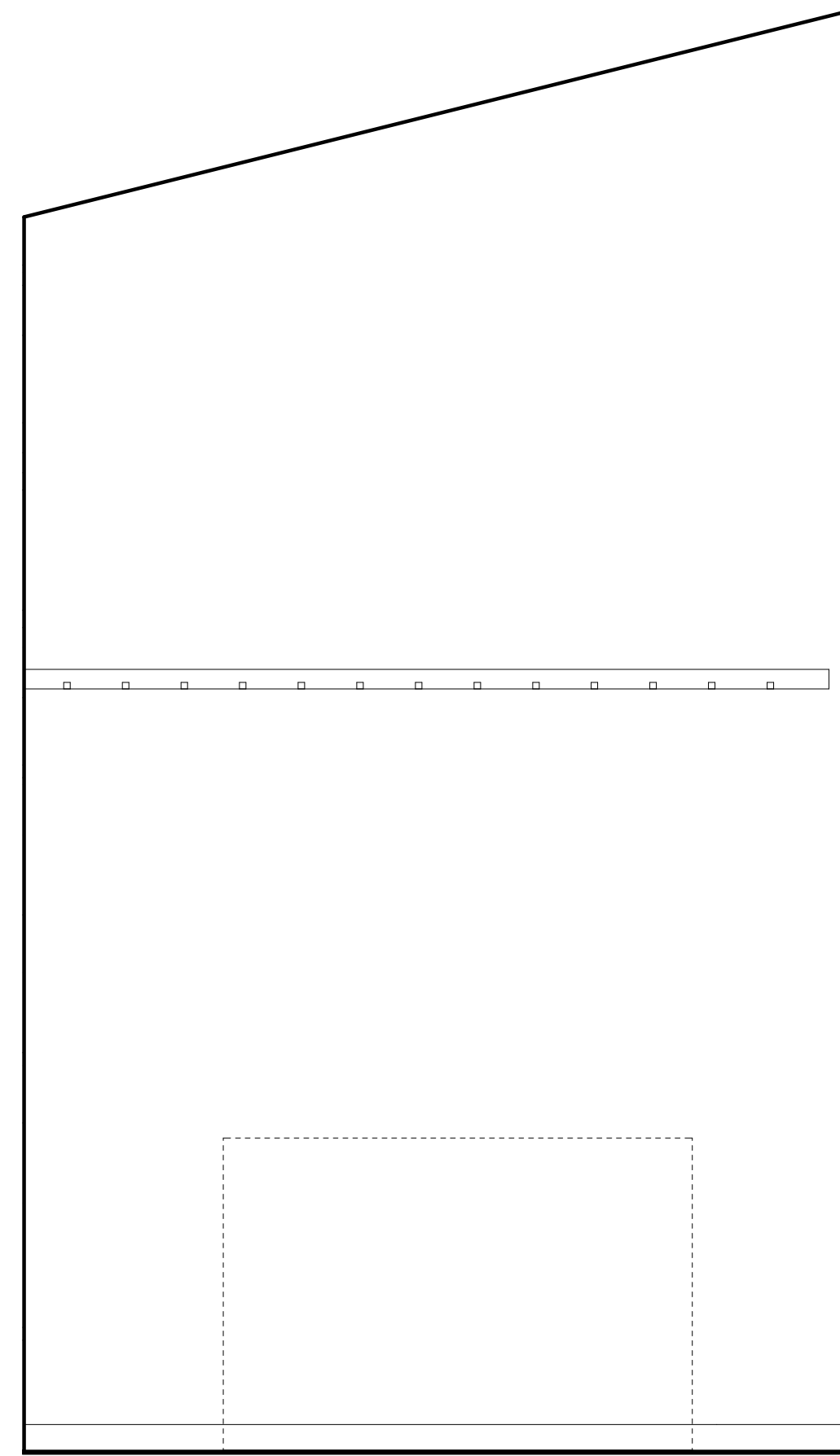
3 FLOOR 2 MEN'S RESTROOM WEST (WOMEN'S RESTROOM EAST SIM. OPP.)
A4.14 Scale: 1/2" = 1'-0"

4 FLOOR 2 MEN'S RESTROOM SOUTH (WOMEN'S RESTROOM SOUTH SIM. OPP.)
A4.14 Scale: 1/2" = 1'-0"

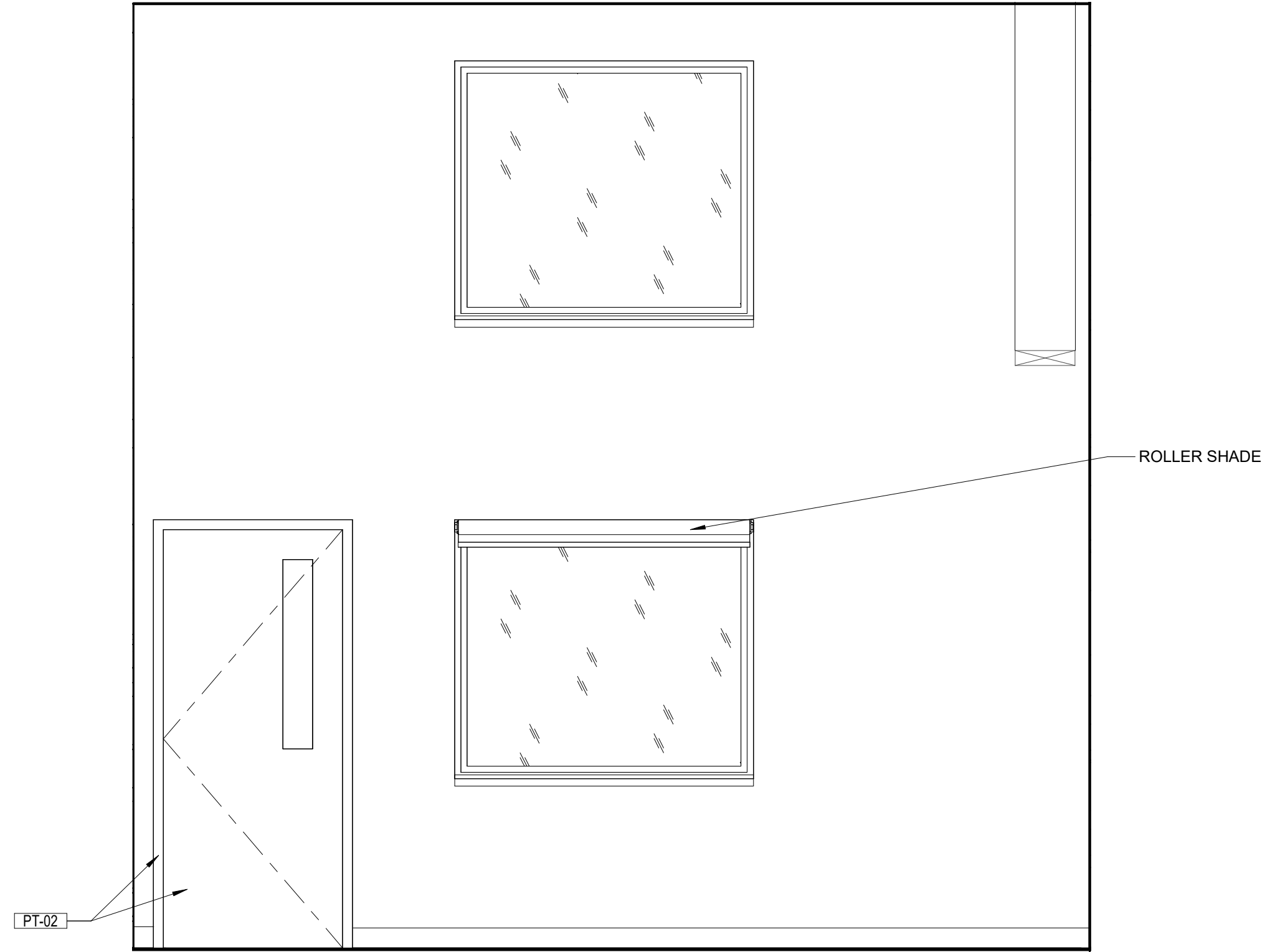
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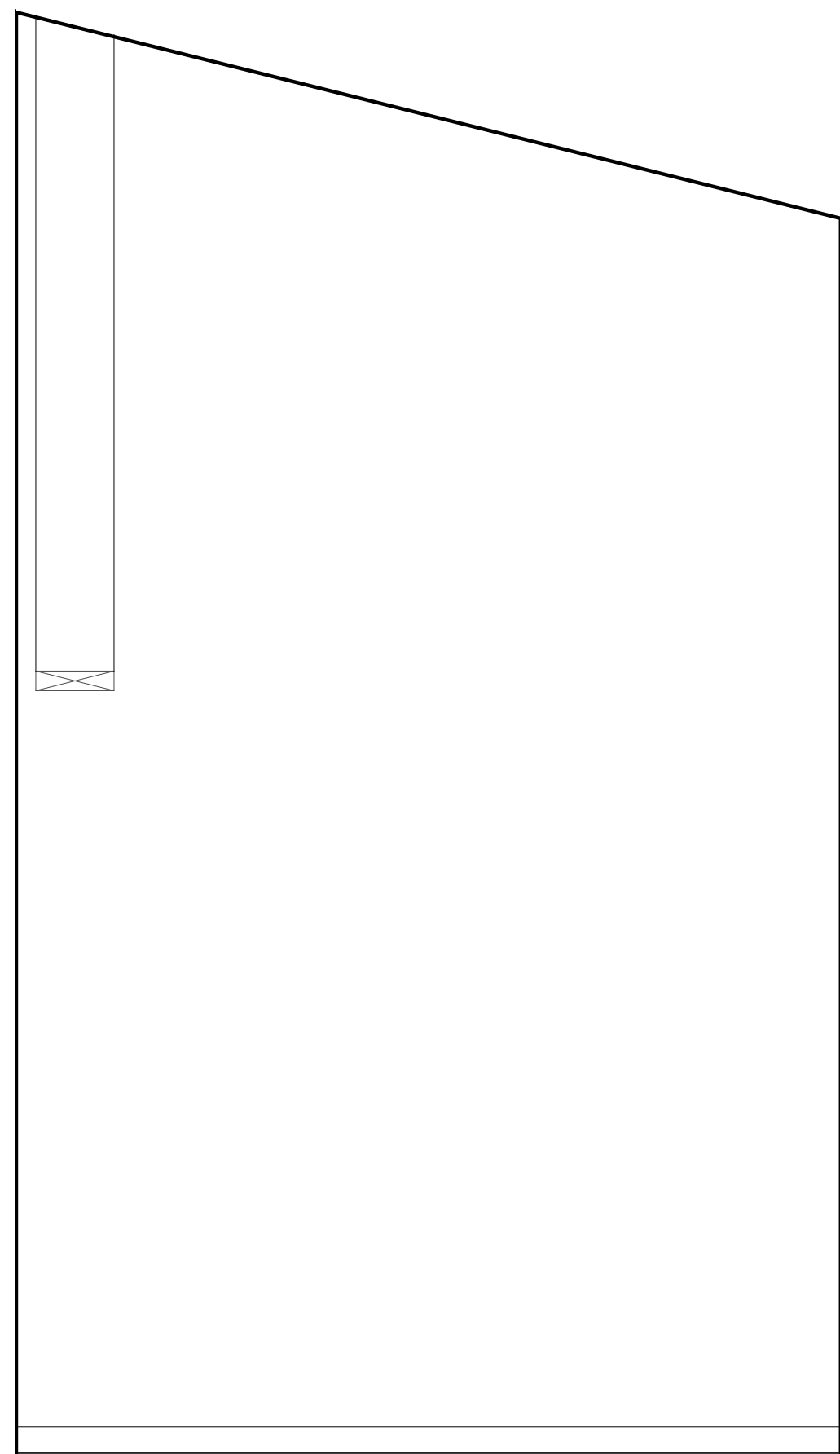
A4.14 - PRINTED: 2024.03.21 11:48 AM



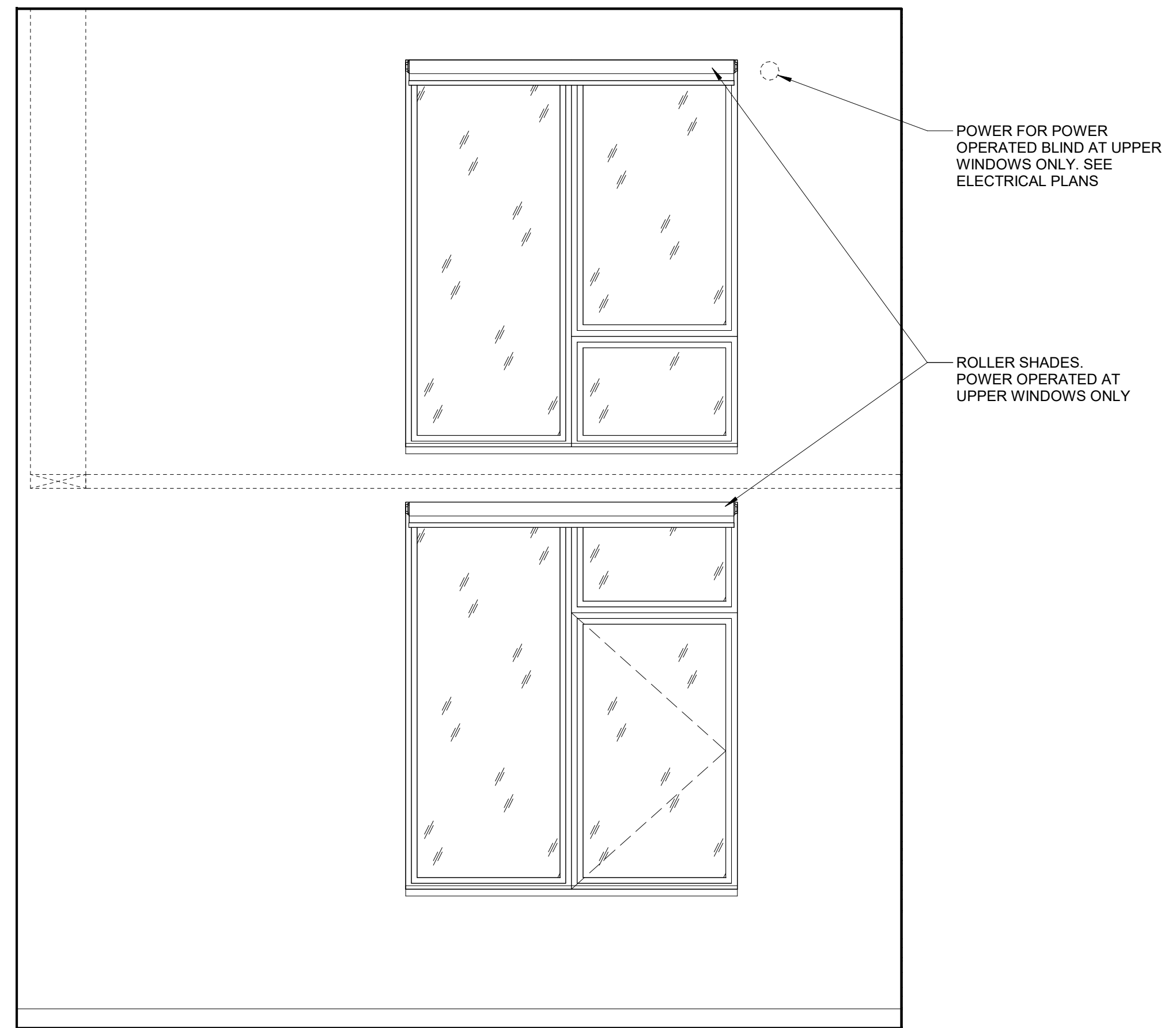
1 OFFICE 208 EAST ELEVATION
A4.15 Scale: 1/2" = 1'-0"



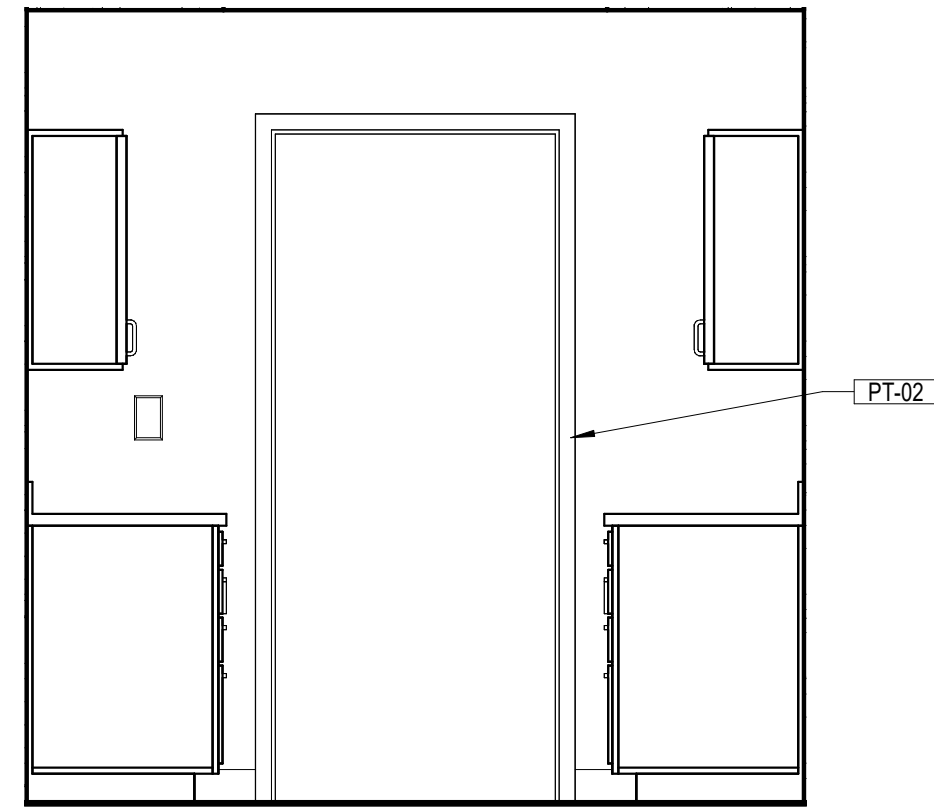
2 OFFICE 208 NORTH ELEVATION
A4.15 Scale: 1/2" = 1'-0"



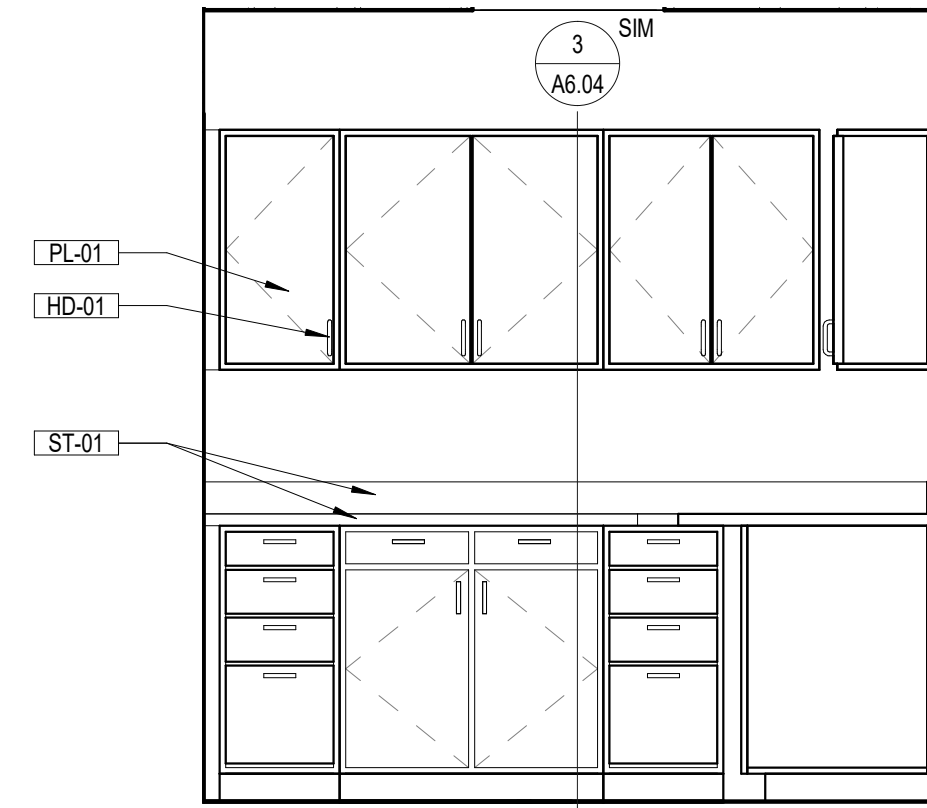
3 OFFICE 208 WEST ELEVATION
A4.15 Scale: 1/2" = 1'-0"



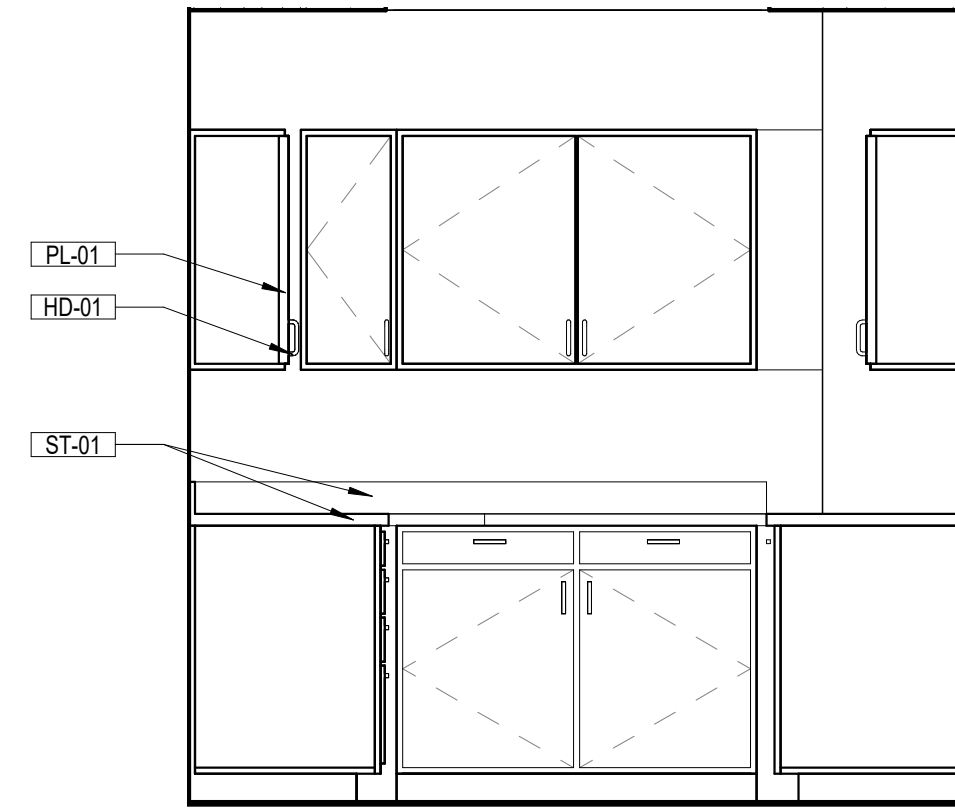
4 OFFICE 208 SOUTH ELEVATION
A4.15 Scale: 1/2" = 1'-0"



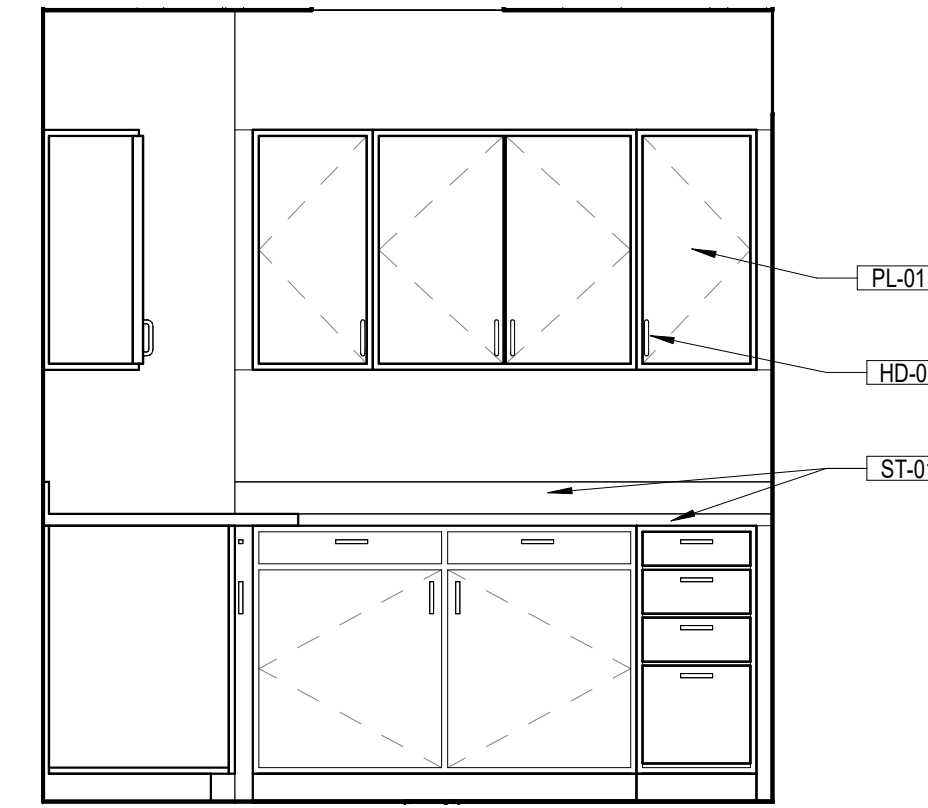
1 COPY ROOM NORTH
A4.16 Scale: 1/2" = 1'-0"



2 COPY ROOM EAST
A4.16 Scale: 1/2" = 1'-0"



3 COPY ROOM SOUTH
A4.16 Scale: 1/2" = 1'-0"

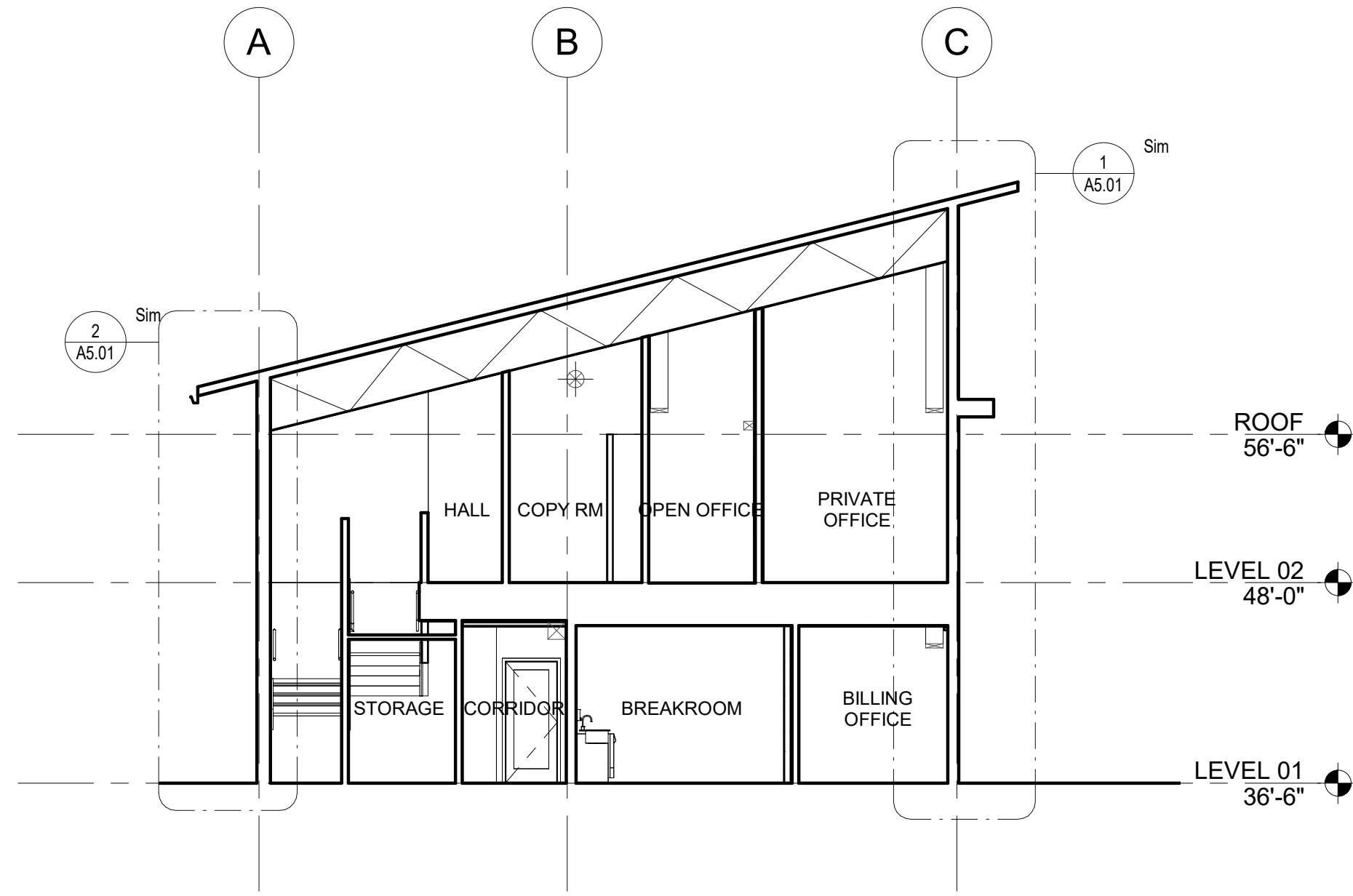


4 COPY ROOM WEST
A4.16 Scale: 1/2" = 1'-0"

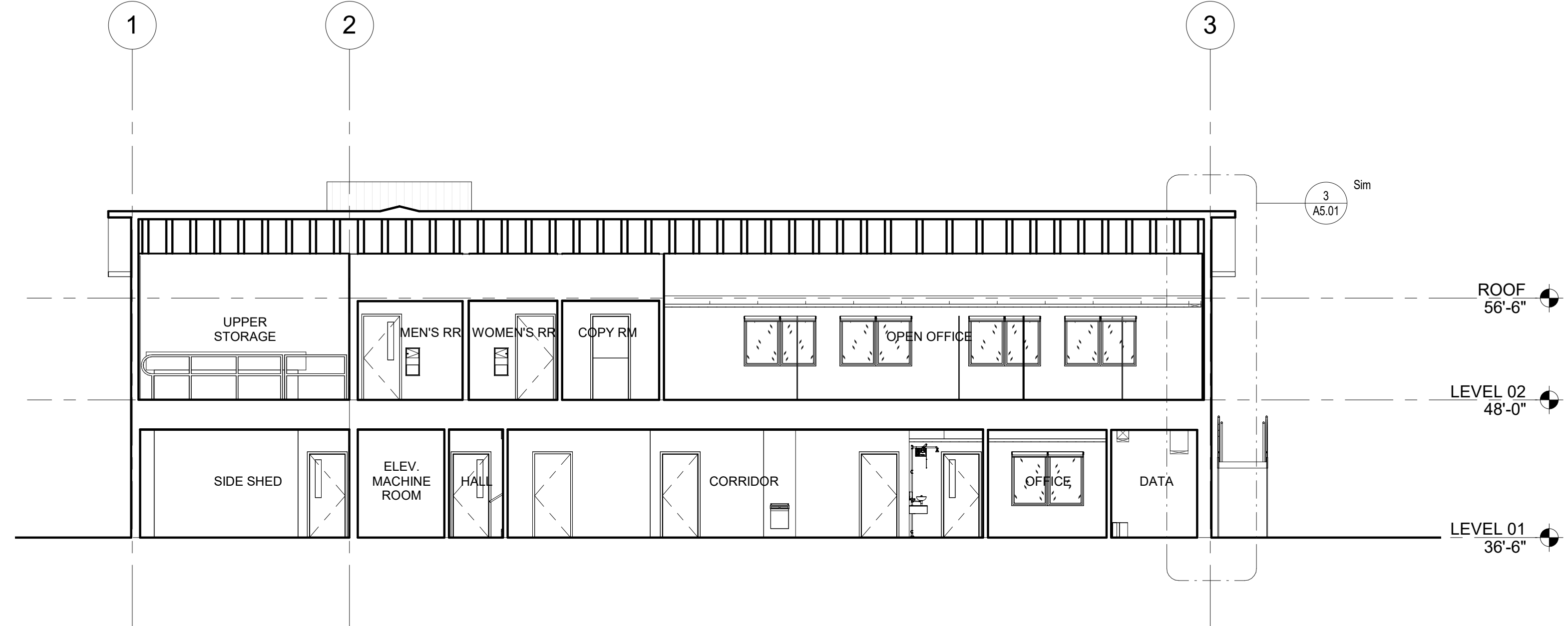
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A4.16 - PRINTED: 20240324 11:45 AM



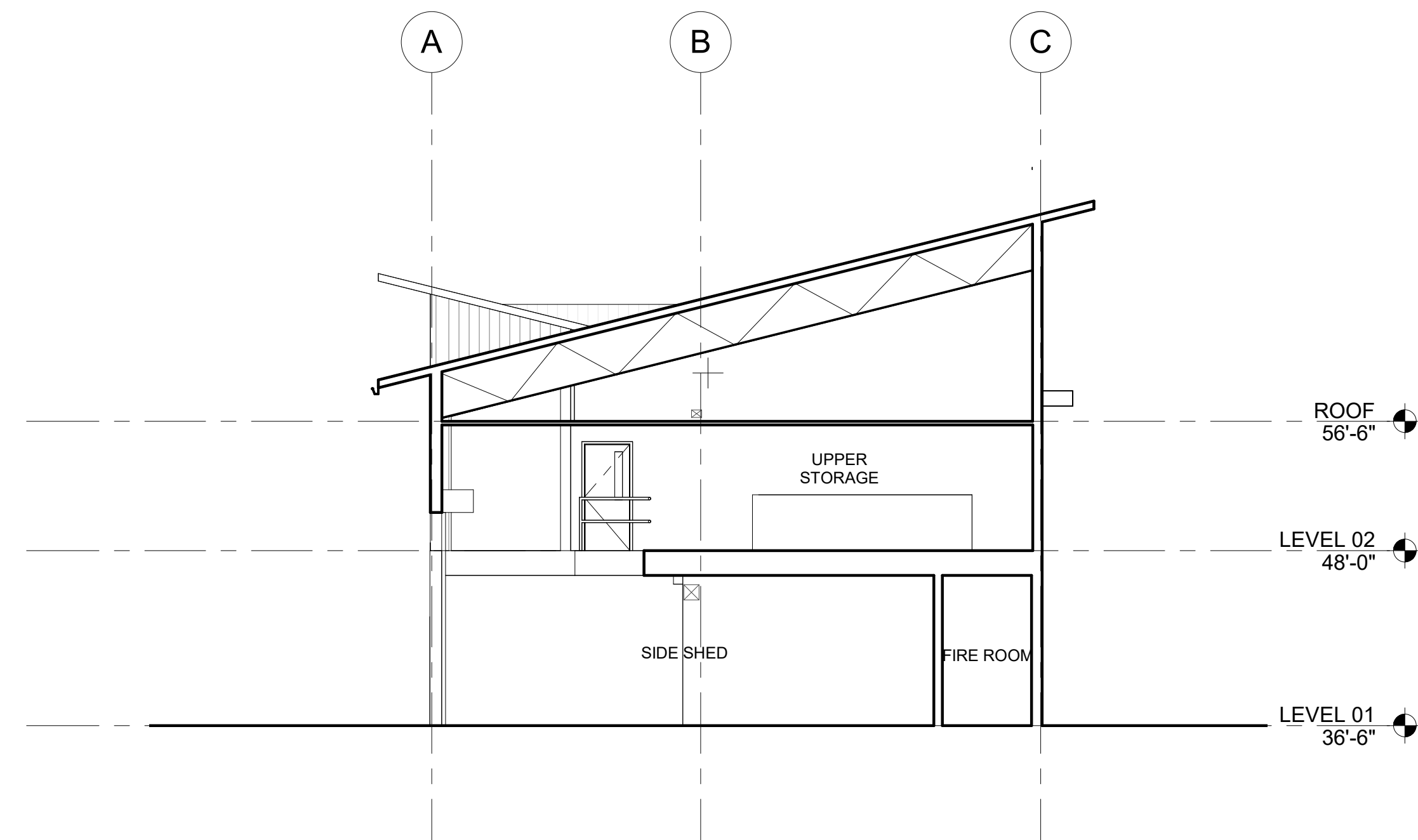
1 SECTION A
A5.00 Scale: 1/8" = 1'-0"



3 SECTION C
A5.00 Scale: 1/8" = 1'-0"



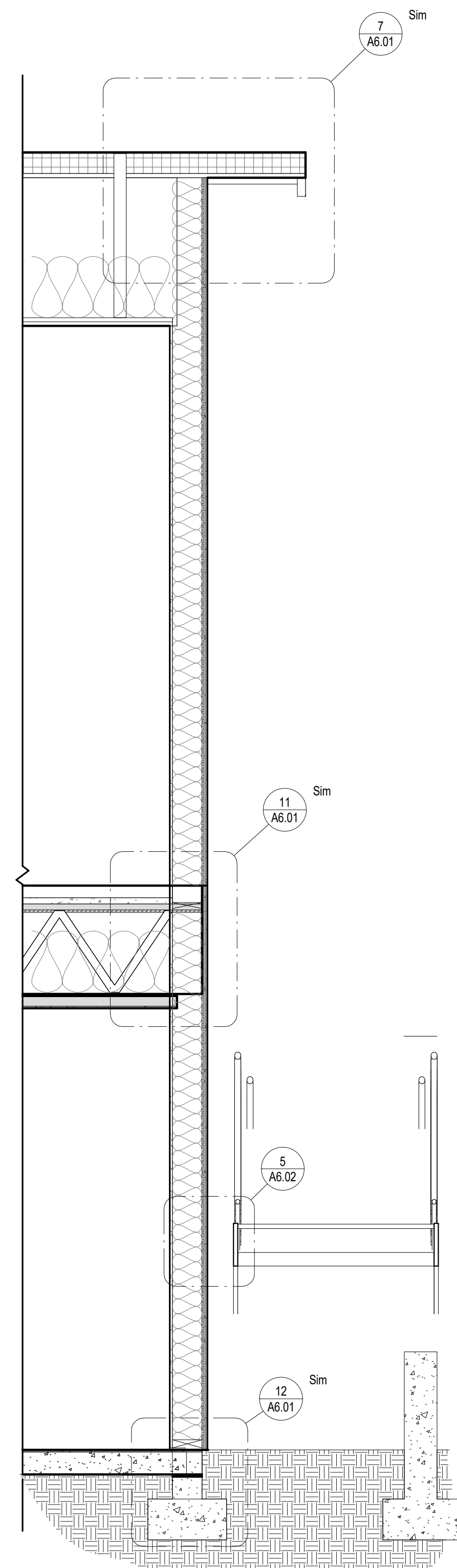
2 SECTION B
A5.00 Scale: 1/8" = 1'-0"



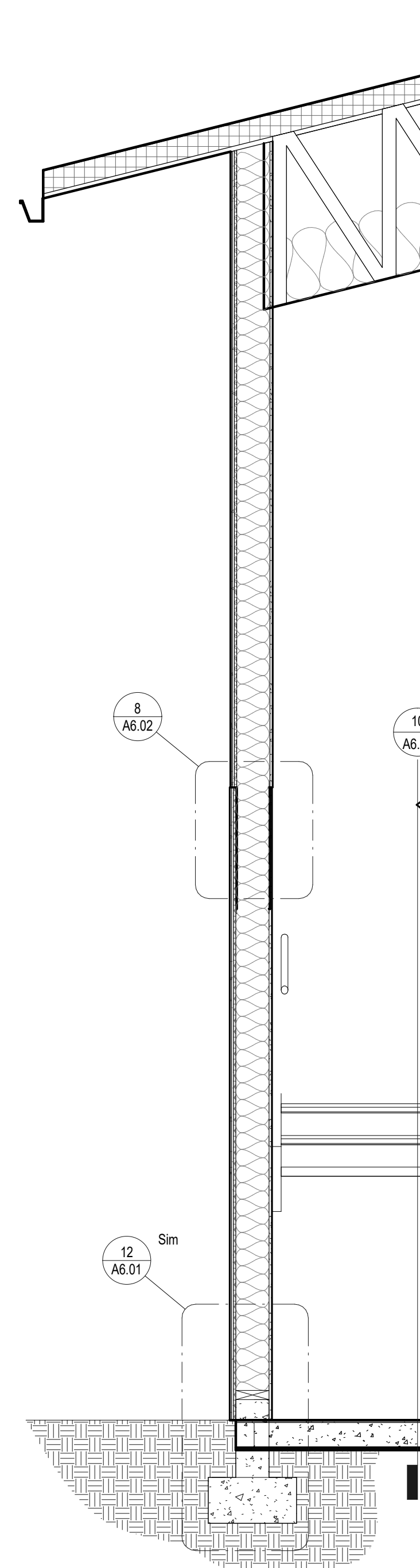
4 SECTION D
A5.00 Scale: 1/8" = 1'-0"

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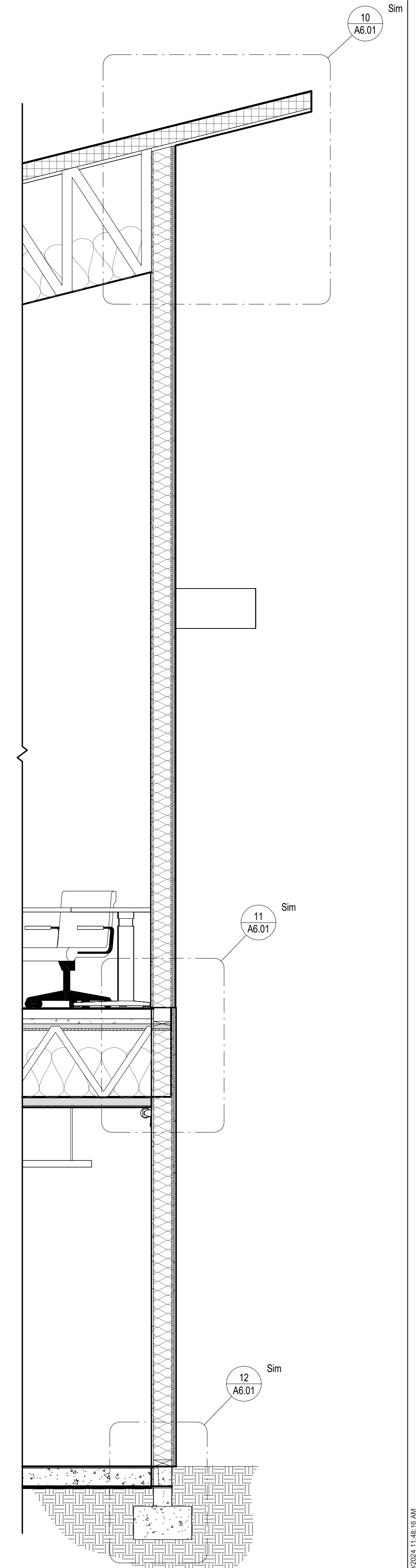
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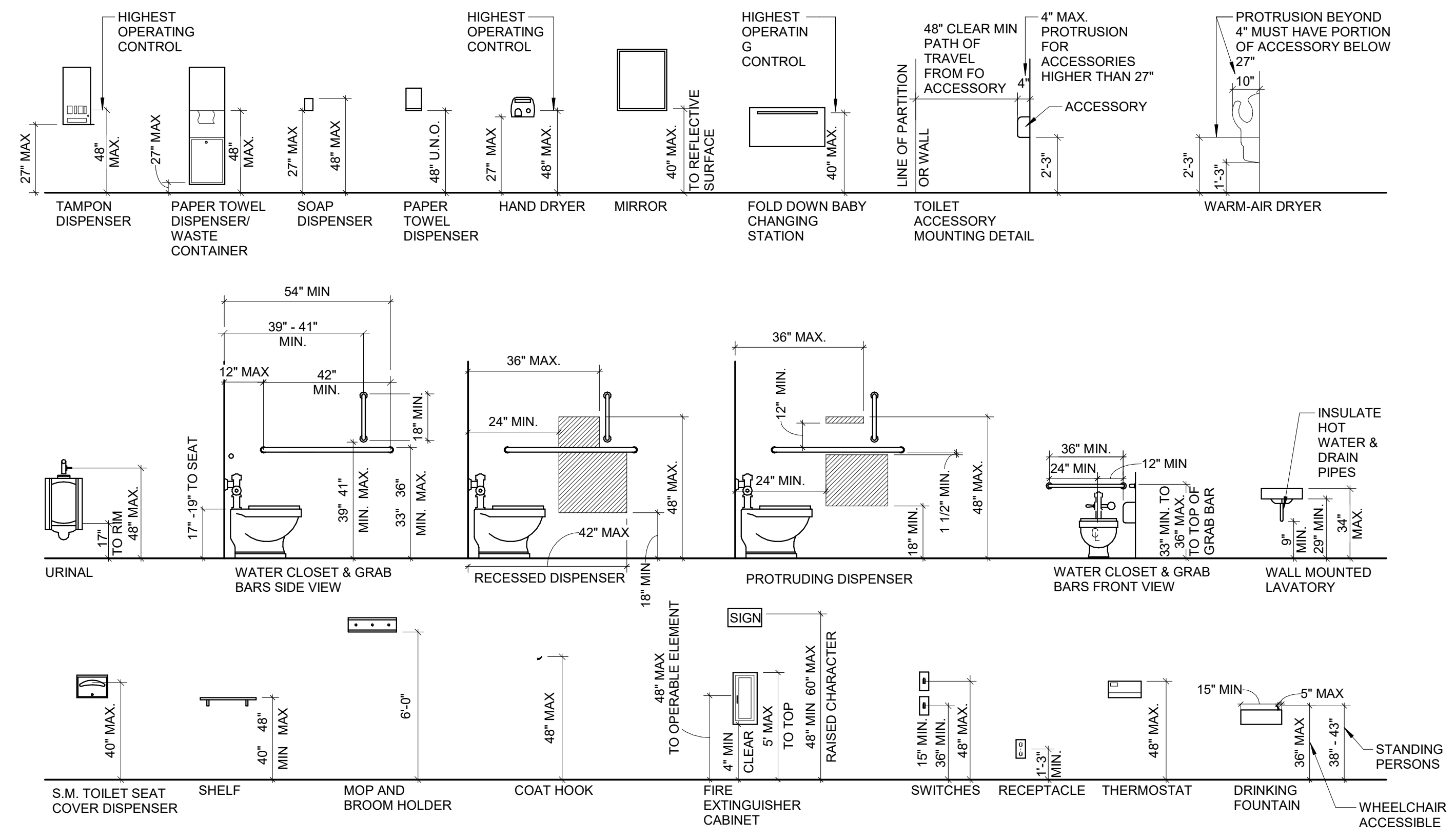
3 EAST WALL SECTION
A5.01 Scale: 1/2" = 1'-0"



2 NORTH WALL SECTION
A5.01 Scale: 1/2" = 1'-0"



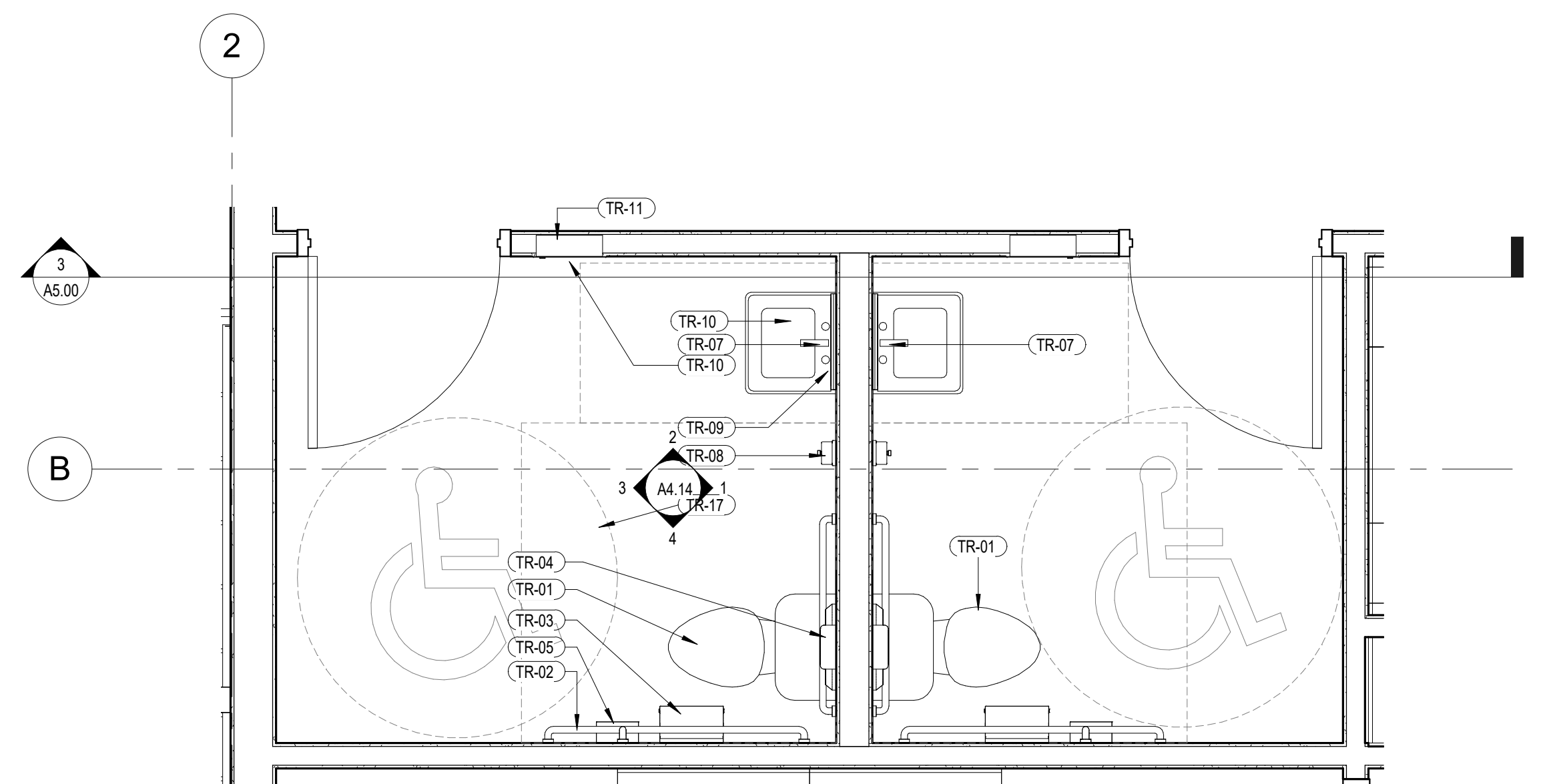
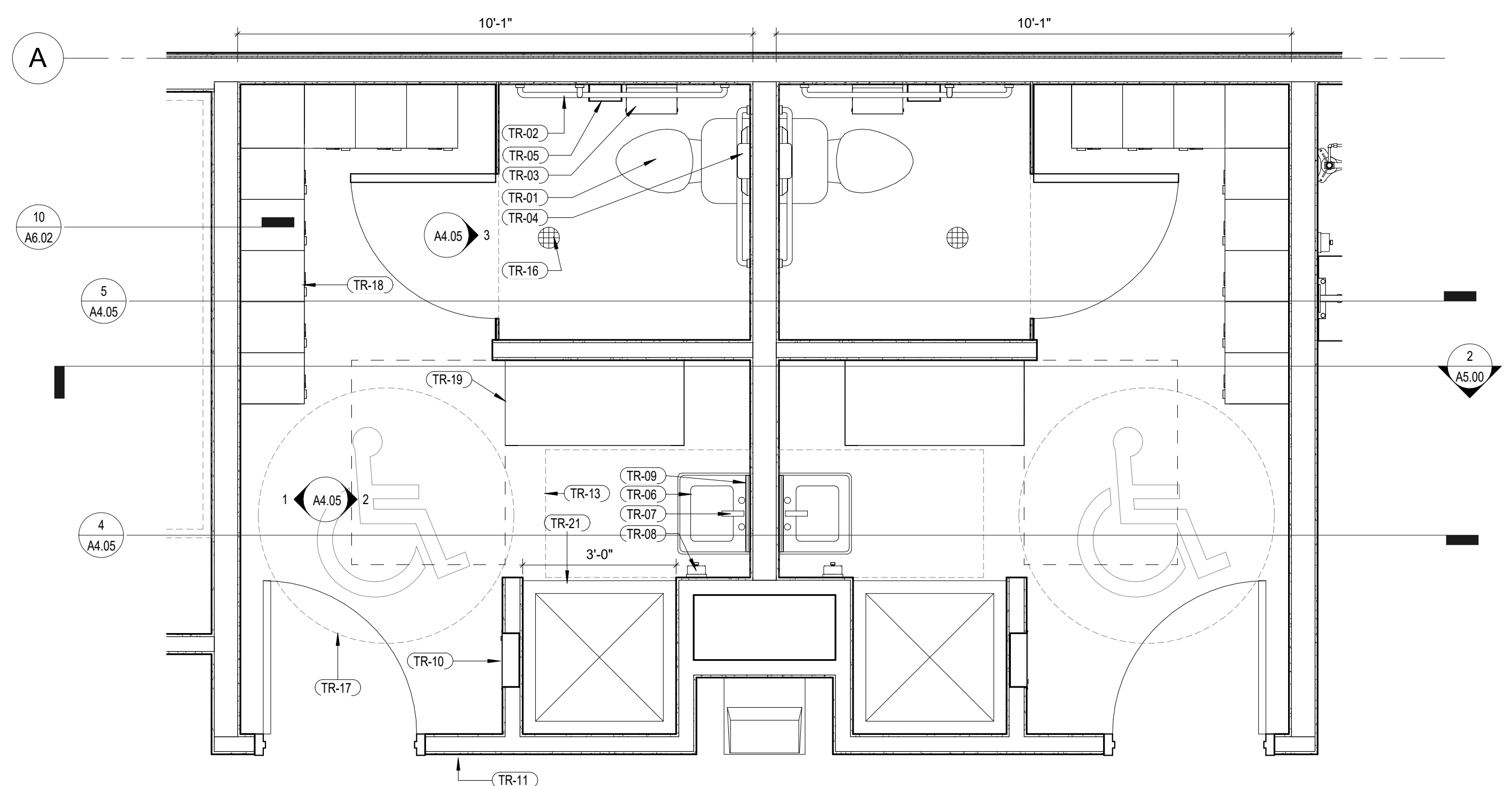
1 SOUTH WALL SECTION
A5.01 Scale: 1/2" = 1'-0"



1 TYPICAL FIXTURE MOUNTING HEIGHTS
Scale: 6" = 1'-0"

KEYNOTES - TOILET ROOM

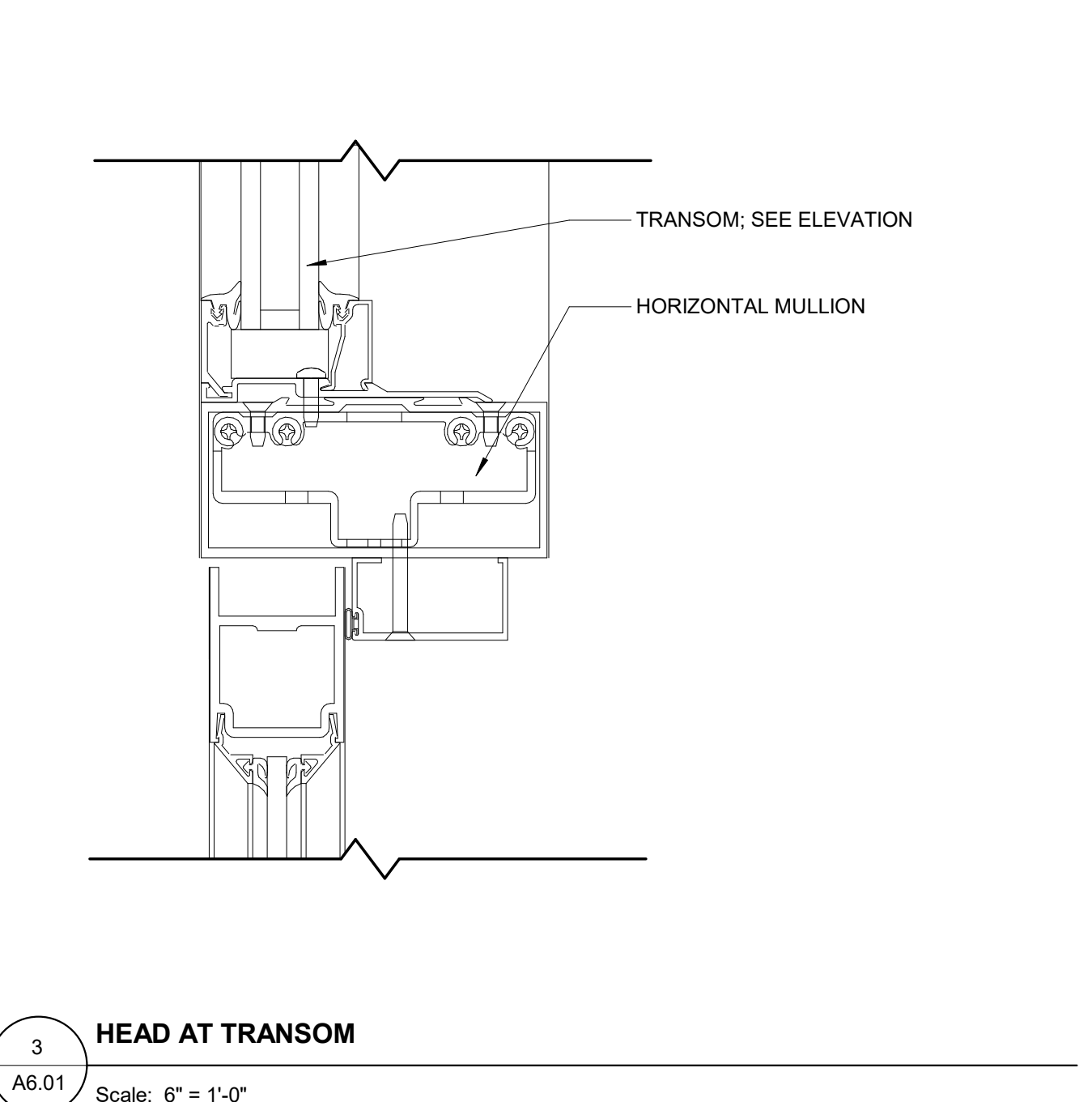
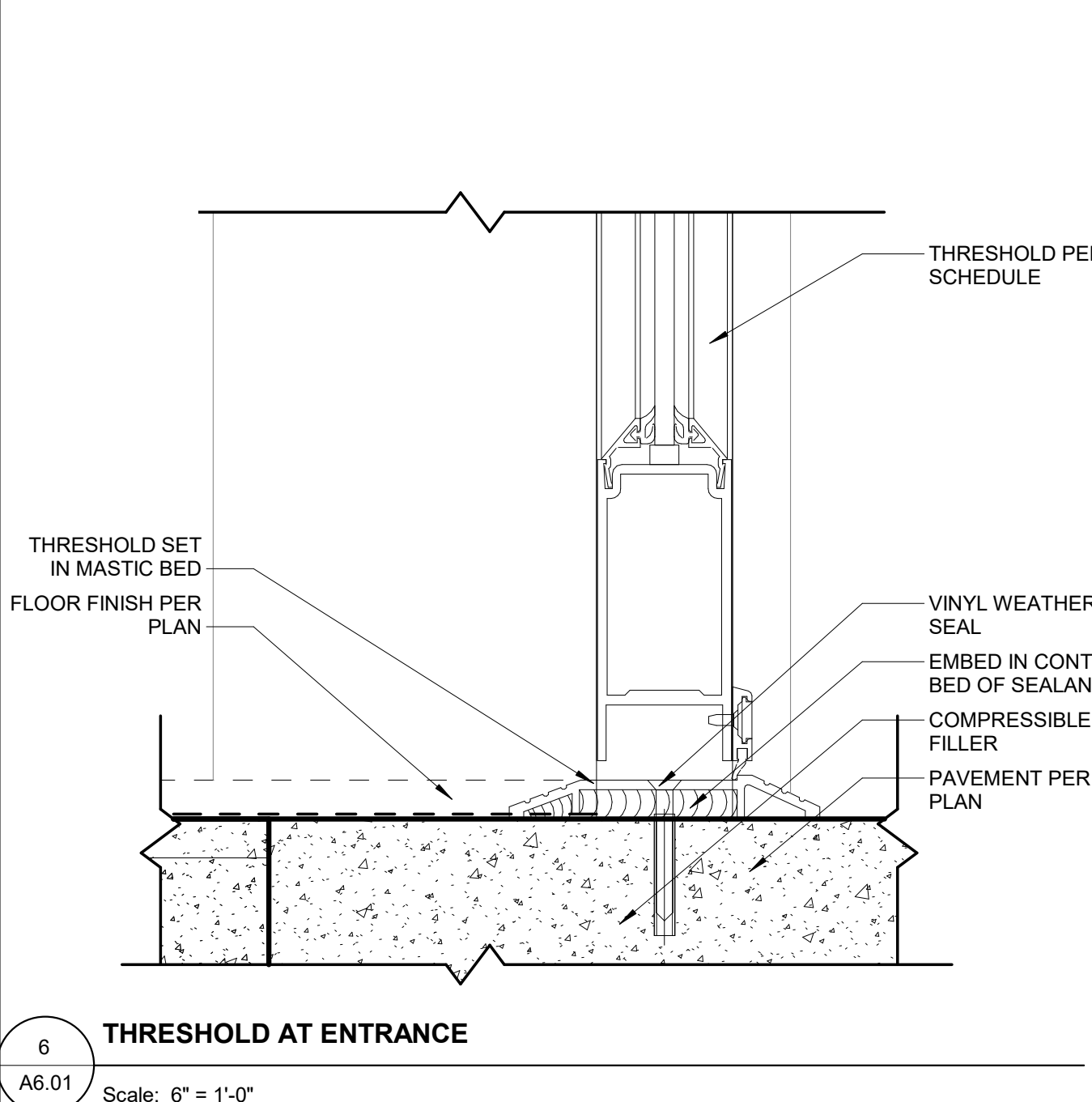
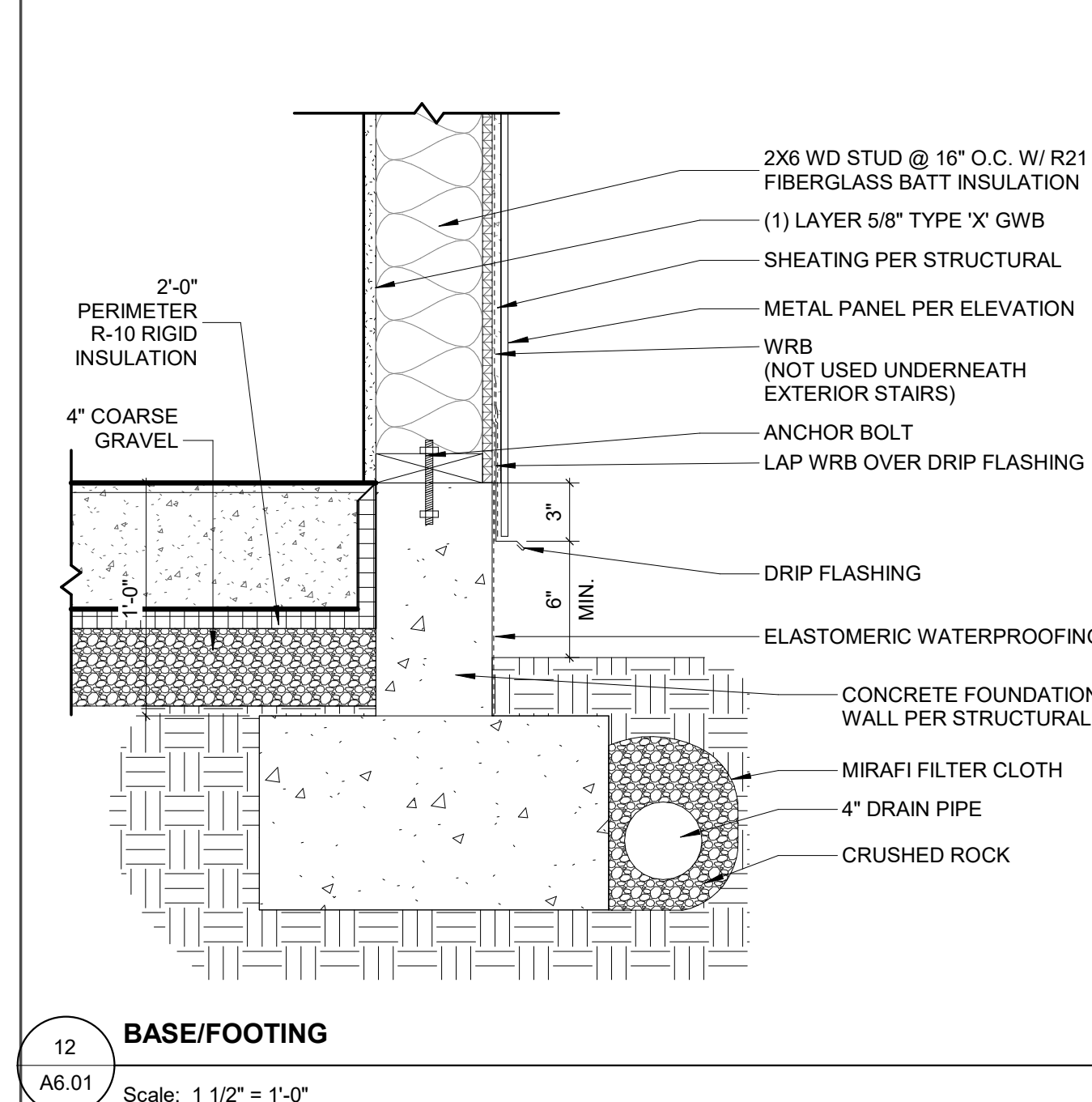
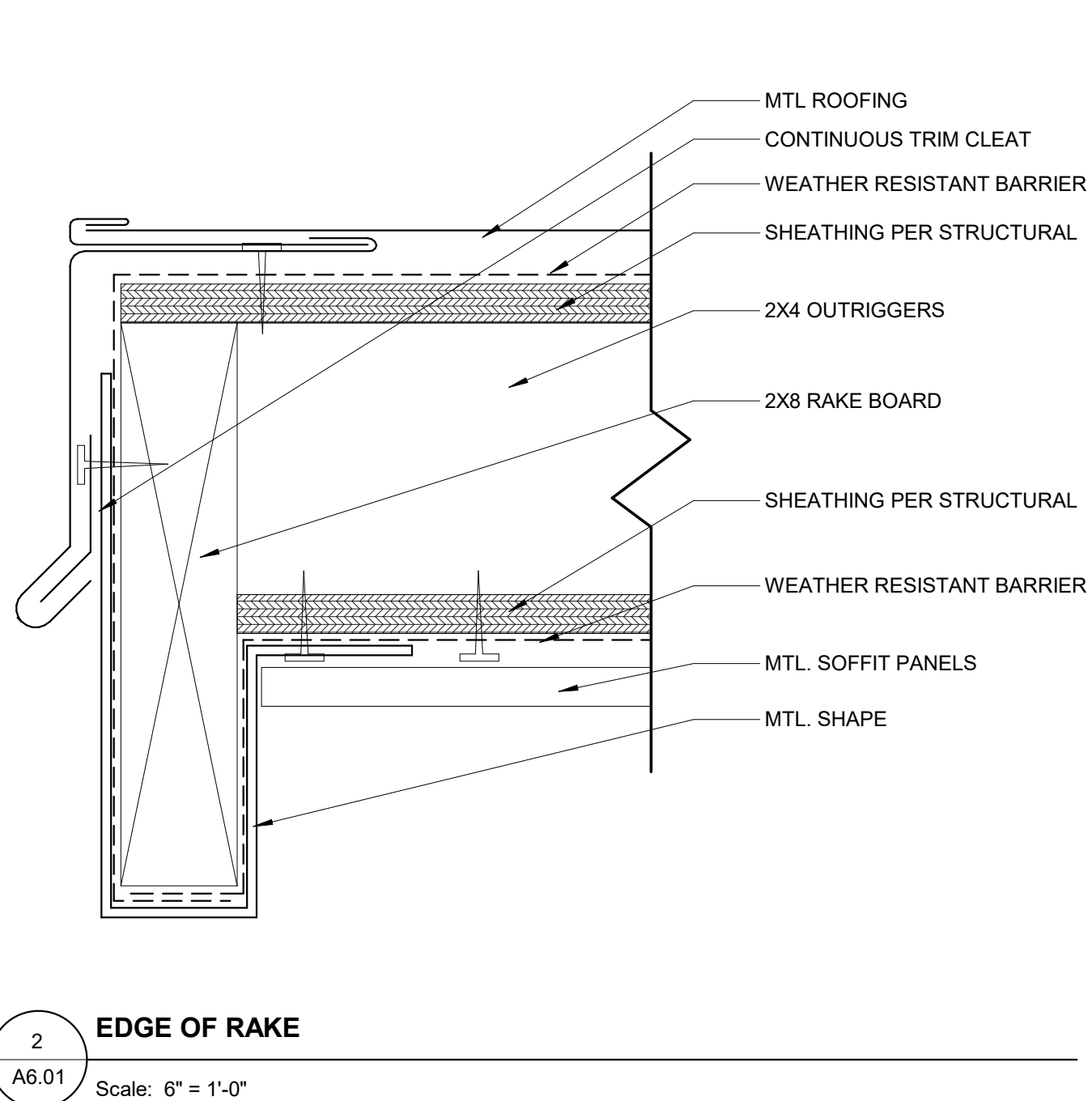
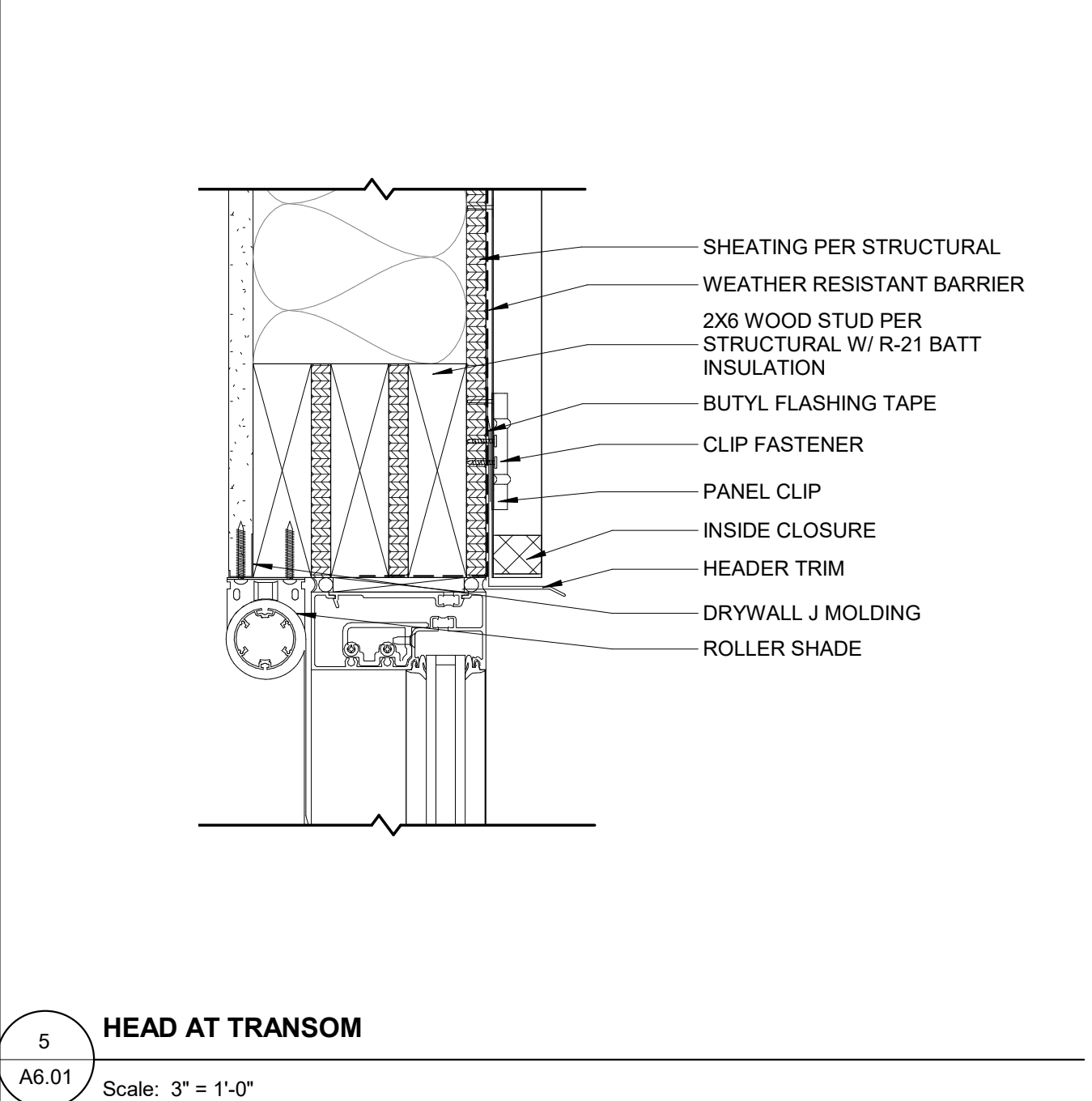
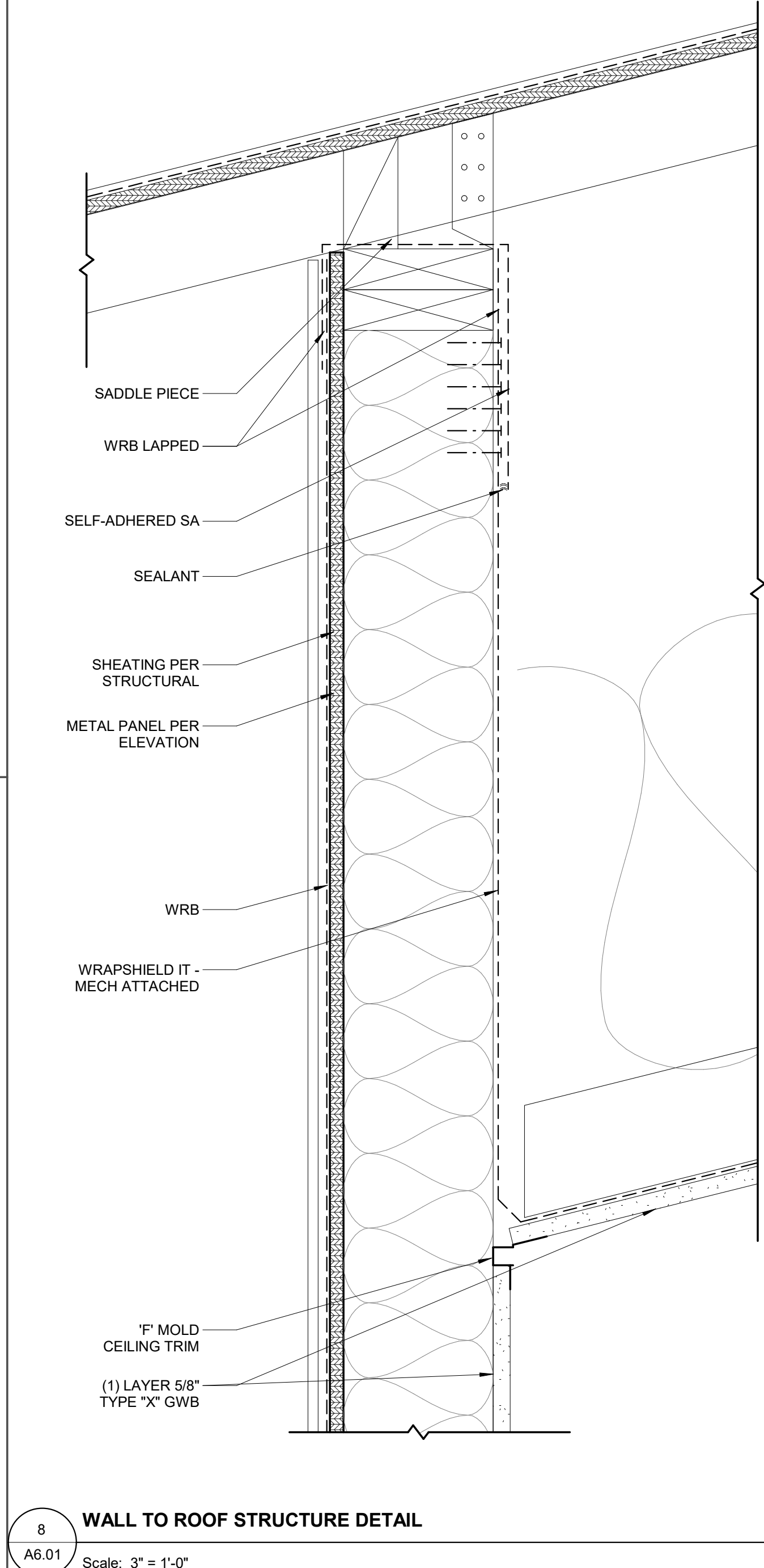
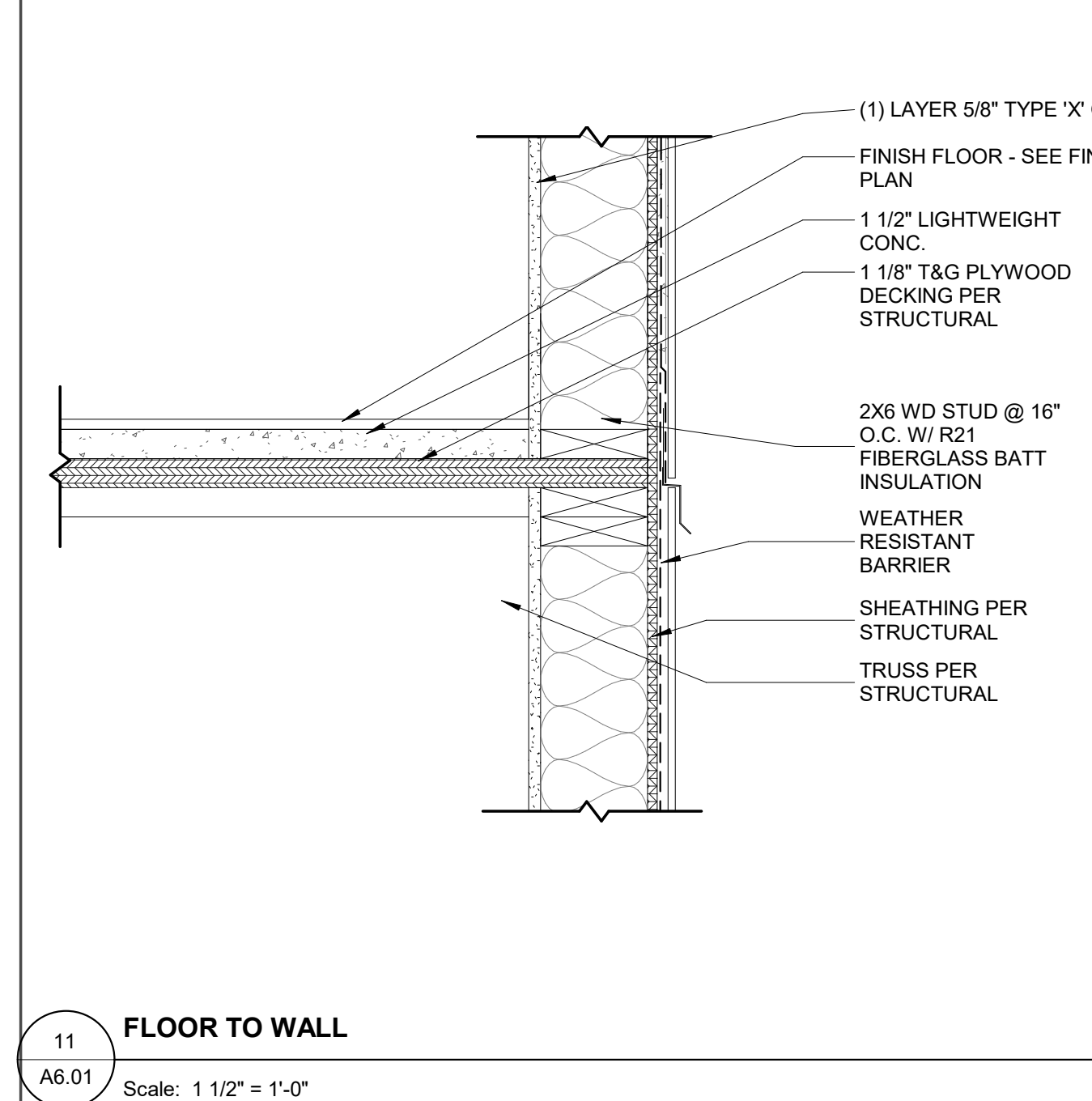
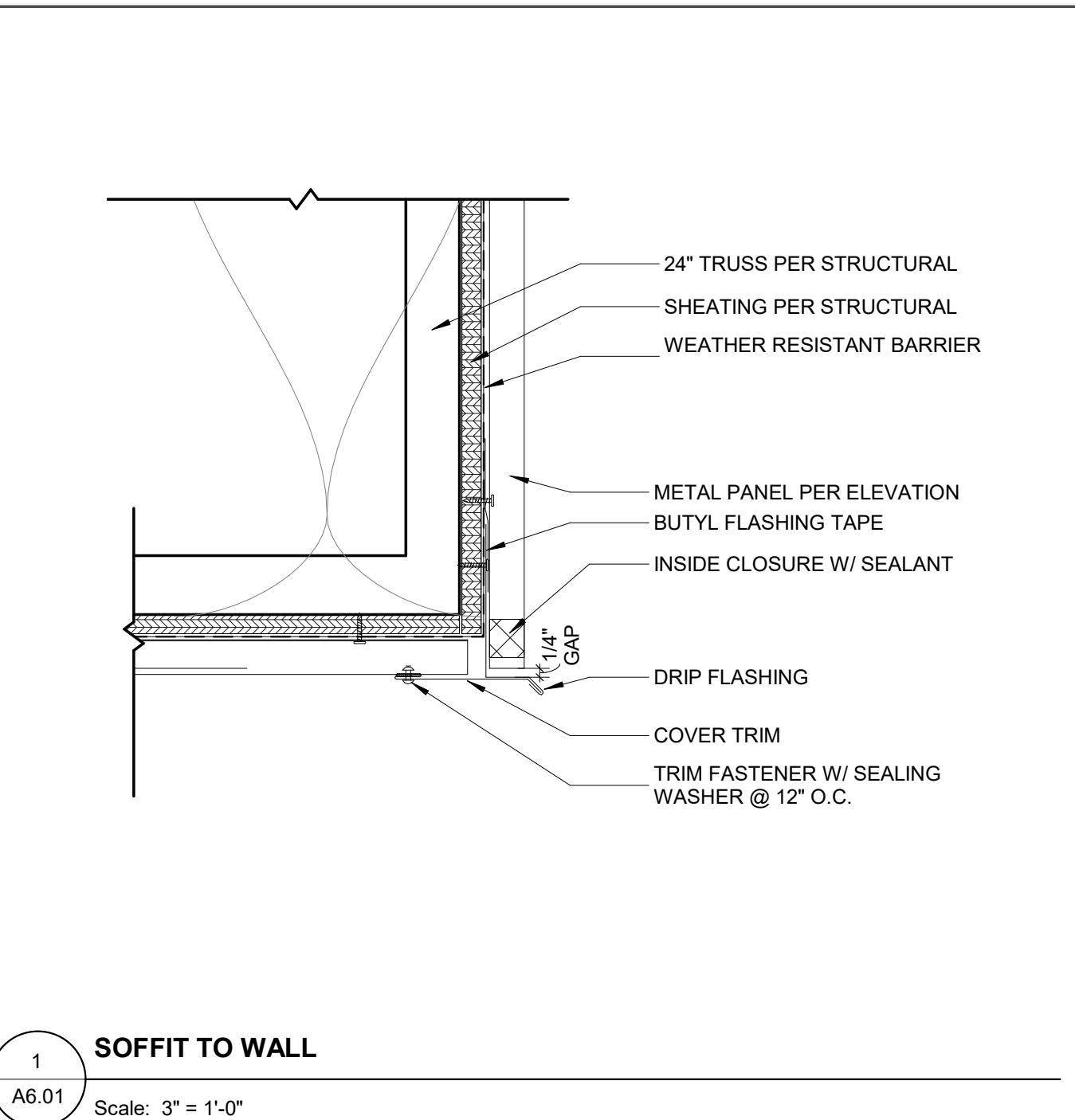
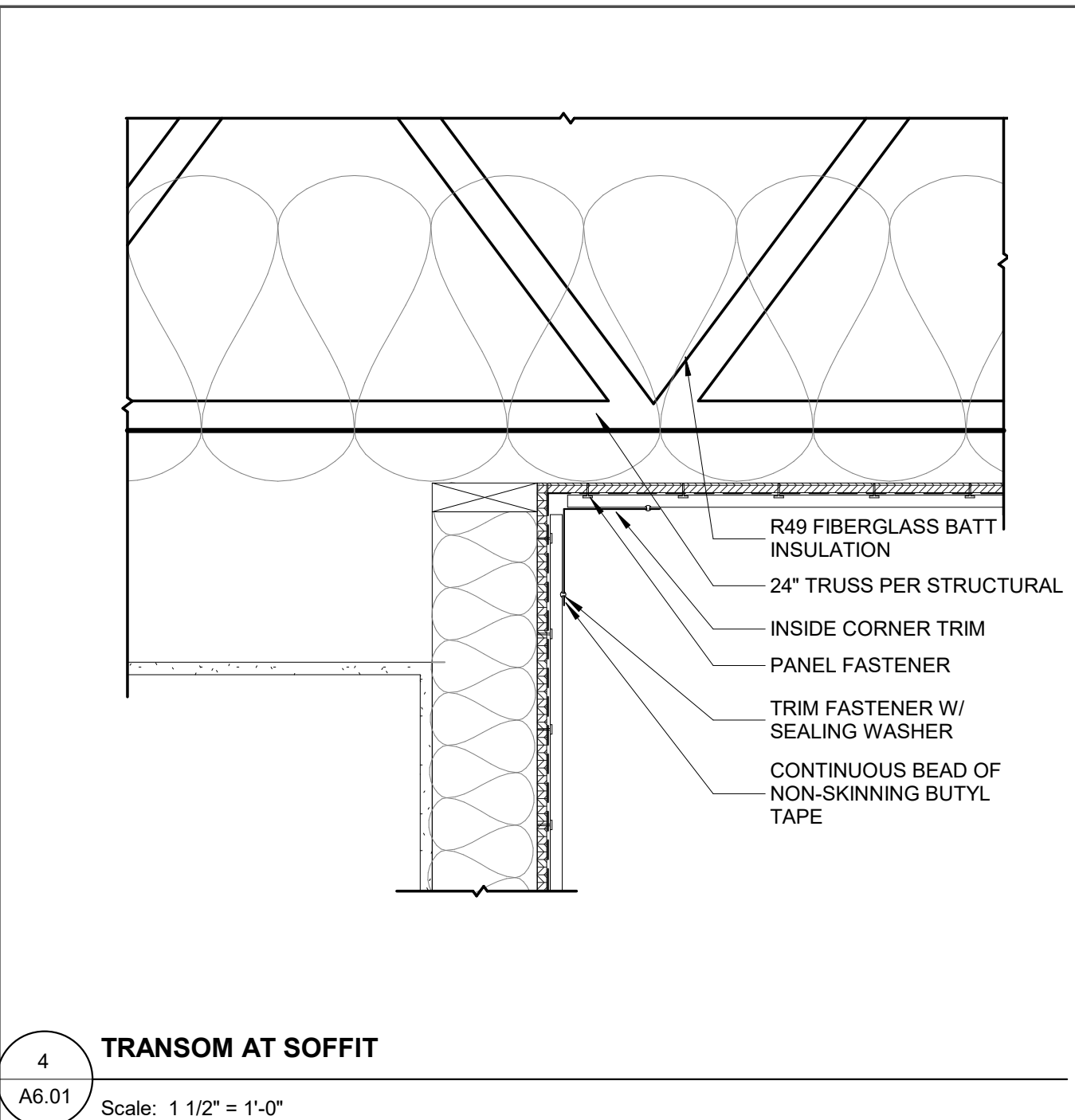
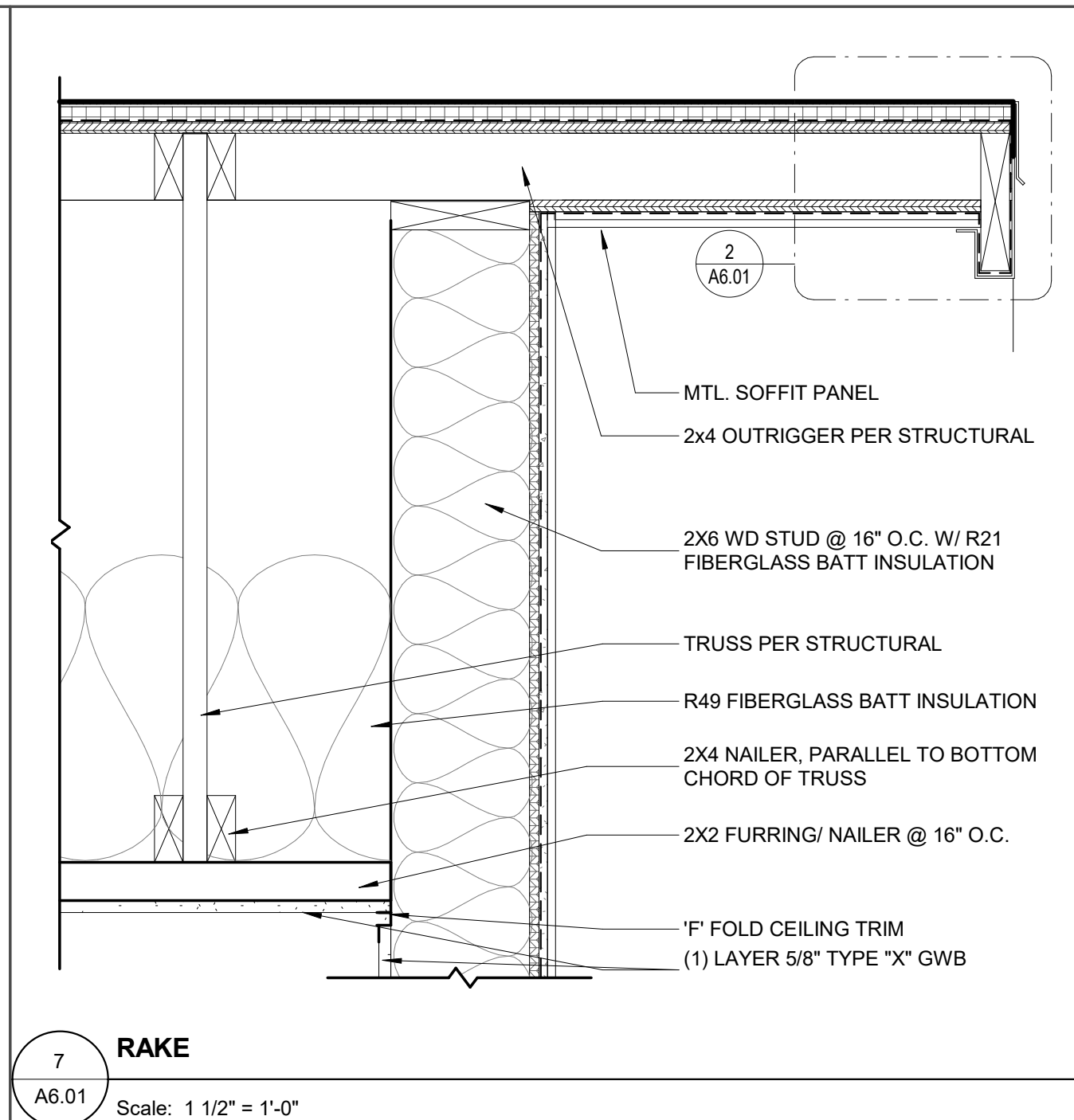
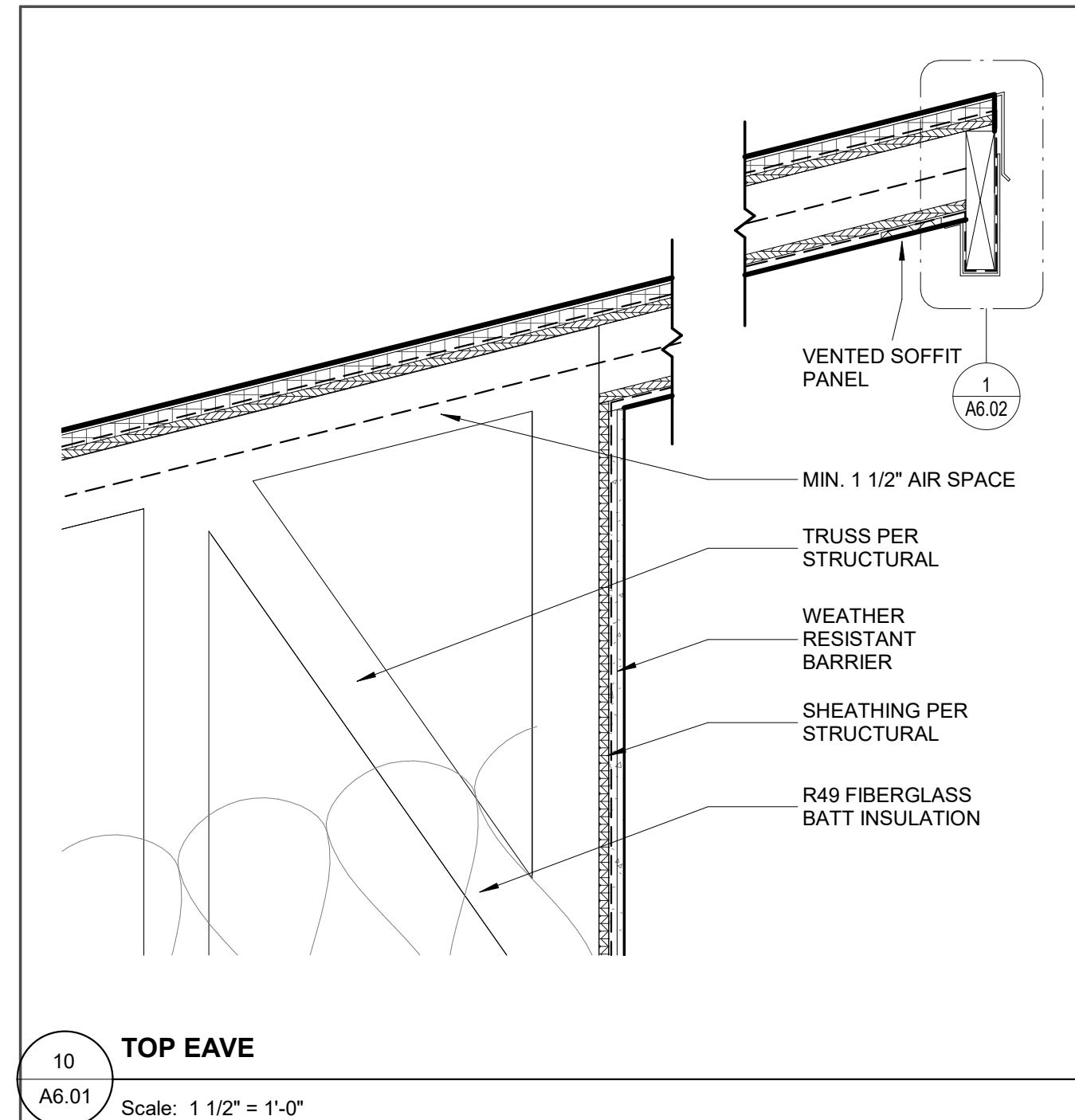
TR-01	FLOOR MOUNTED, PRESSURE ASSISTED TANK-TYPE ACCESSIBLE TOILET PER PLUMBING DRAWINGS
TR-02	ACCESSIBLE GRAB BARS. SEE DETAIL 1/6.00 FOR MOUNTING HEIGHTS
TR-03	WALL MOUNTED TOILET PAPER DISPENSER
TR-04	SURFACE MOUNTED TOILET SEAT COVER DISPENSER
TR-05	SANITARY NAPKIN DISPOSAL
TR-06	ACCESSIBLE WALL MOUNTED SINK WITH MOLDED WHITE VINYL INSULATION ON SUPPLY PIPES & DRAIN LINES
TR-07	ACCESSIBLE FAUCET W/ REQUIRED BARRIER FREE CLEARANCE BENEATH LAVATORY
TR-08	ACCESSIBLE SOAP DISPENSER
TR-09	24"x24" BLIND HUNG ACCESSIBLE WALL MOUNTED MIRROR PER ELEVATIONS
TR-10	ACCESSIBLE WALL MOUNTED PAPER TOWEL DISPENSER
TR-11	PROVIDE AND INSTALL RESTROOM IDENTIFICATION SIGNAGE PER DETAIL TBD
TR-13	56"x60" CLEAR FLOOR SPACE FOR ACCESS TO WATER CLOSET
TR-14	30"x48" CLEAR FLOOR SPACE FOR ACCESS TO LAVATORY
TR-16	FLOOR DRAIN. SLOPE FLOOR TO DRAIN
TR-17	5'-0" DIA. TURNING CIRCLE FOR BARRIER FREE FACILITIES. DOOR SWING MAY ENCROACH INTO CLEAR TURNING CIRCLE 12" MAX
TR-18	12"W x15"D LOCKER
TR-19	36" X 18" LOCKER BENCH
TR-20	4' X 3' CLEAR FLOOR SPACE FOR ACCESS TO BENCH
TR-21	3' X 3' ADA SHOWER



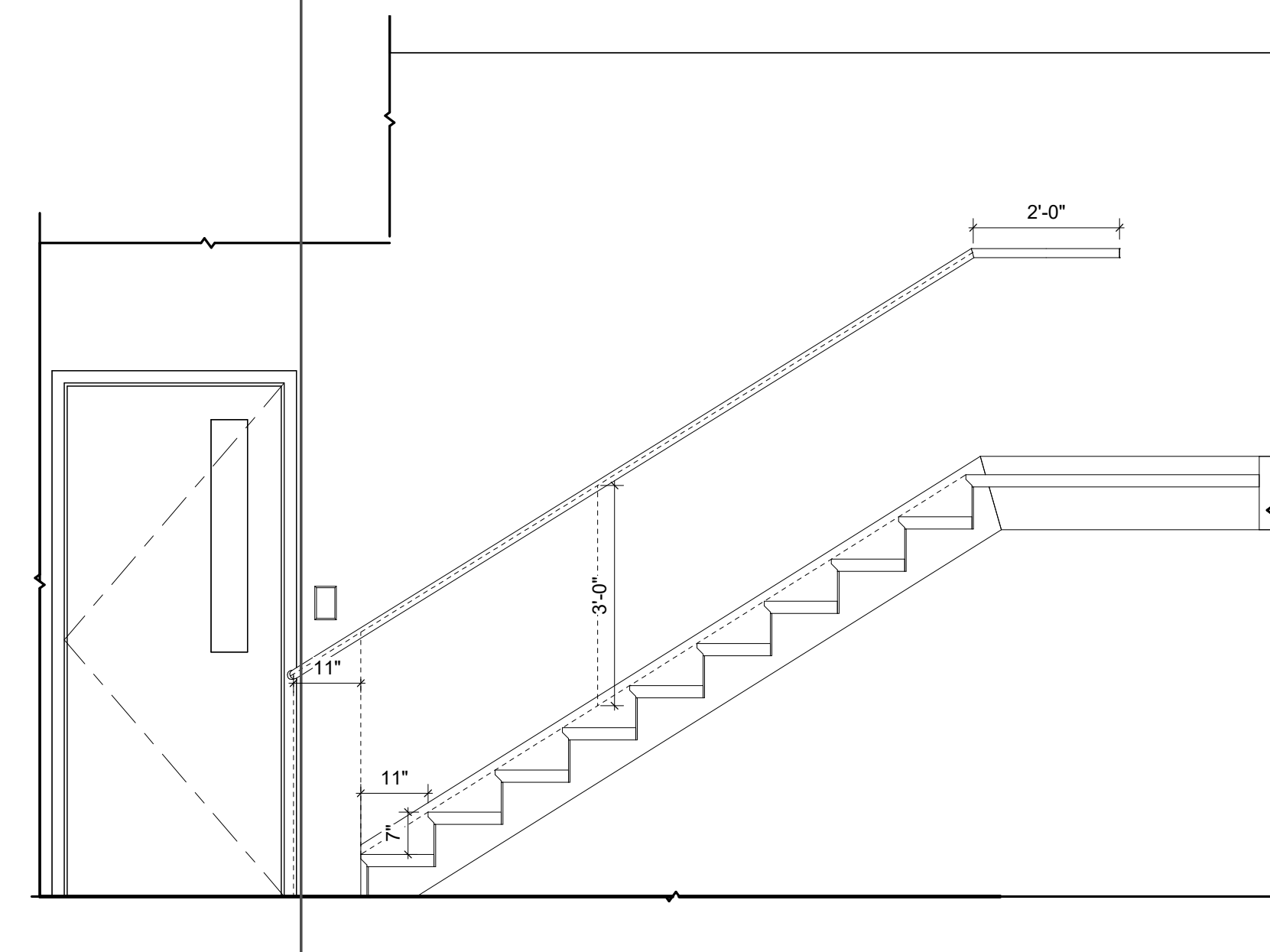
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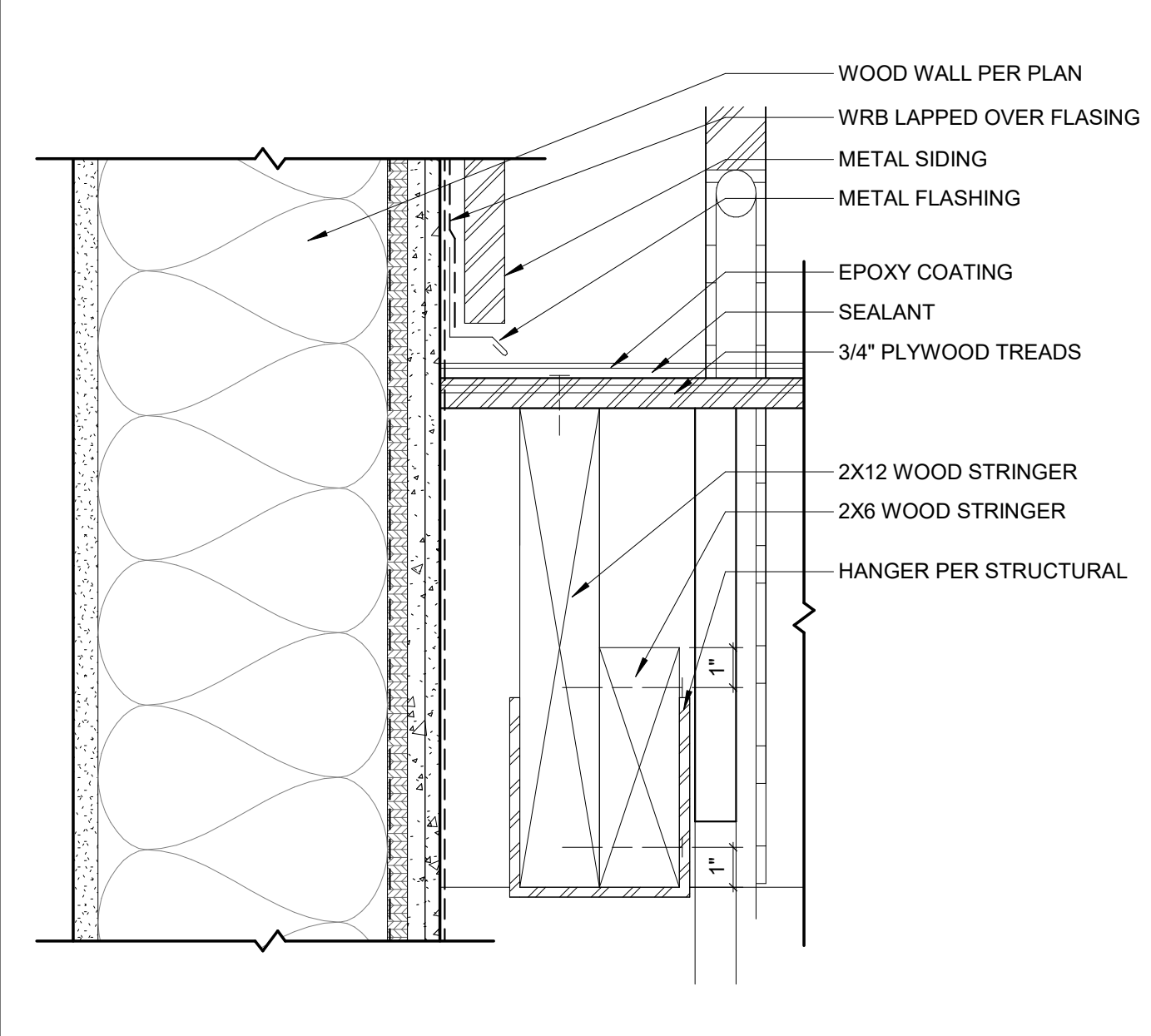
RESTROOM ENLARGED PLANS, DETAILS
A6.00



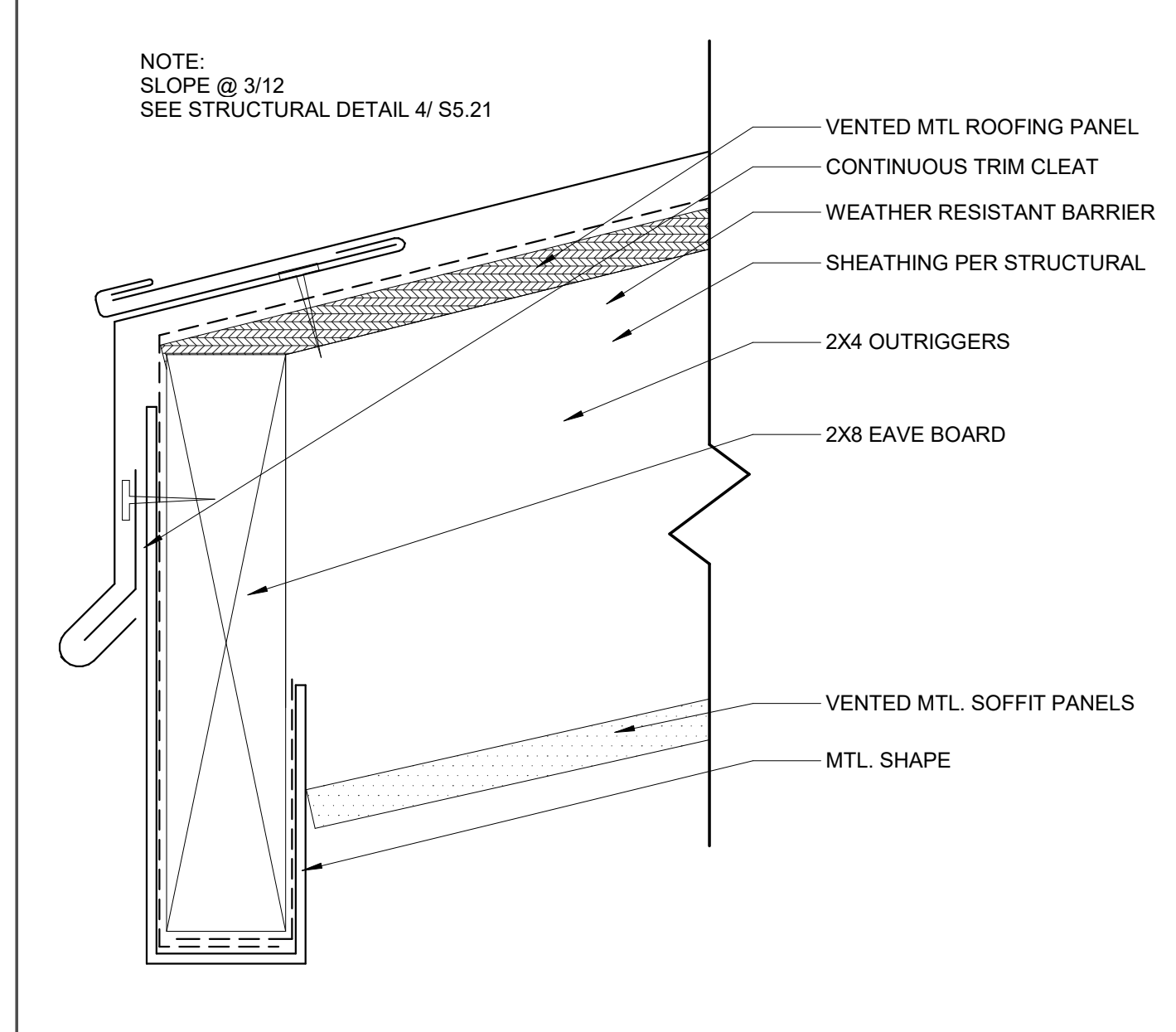
10 SECTION / ELEVATION AT INTERIOR STAIR
A6.02 Scale: 1/2" = 1'-0"



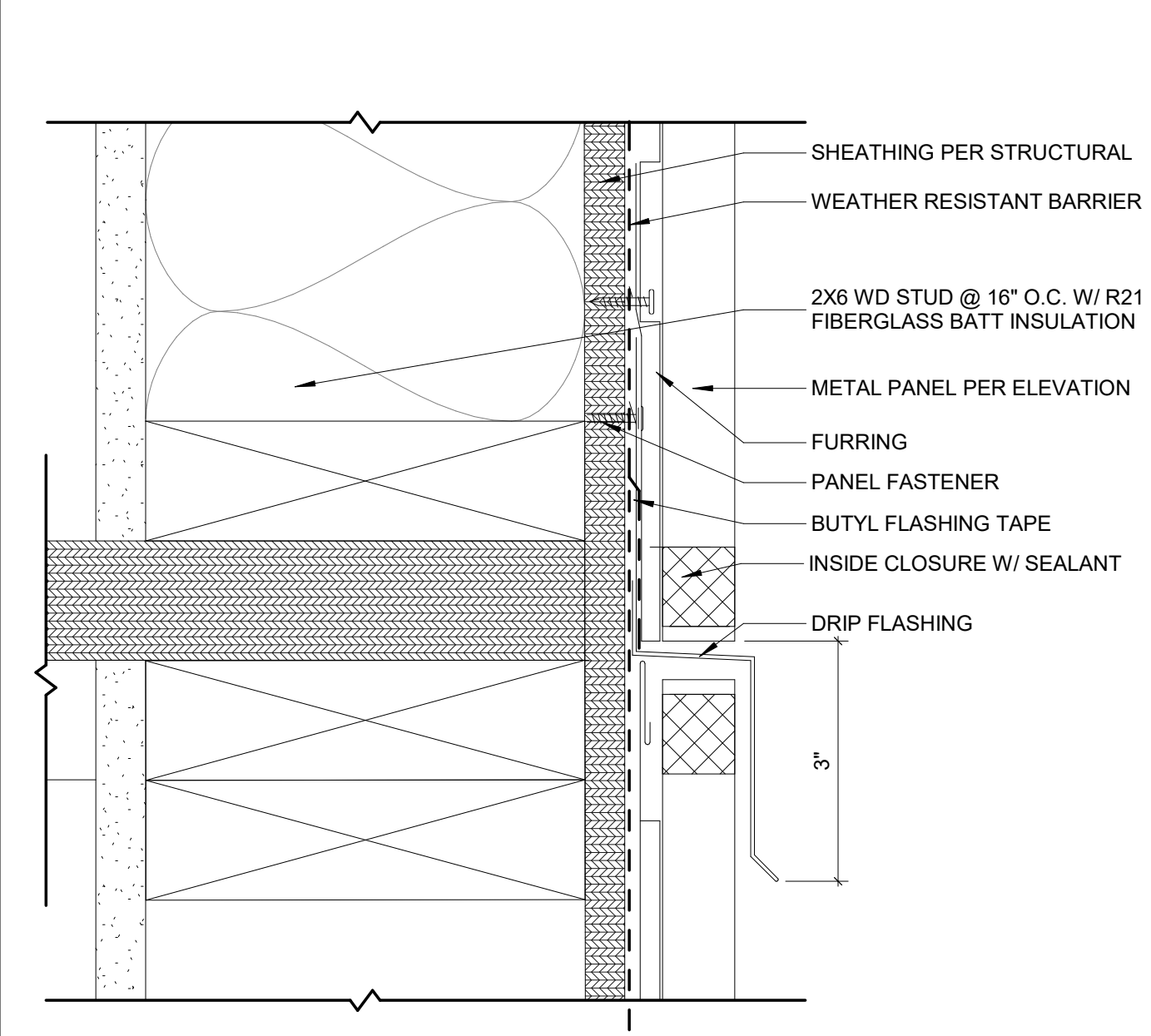
5 EXTERIOR STAIR TO WALL
A6.02 Scale: 3" = 1'-0"



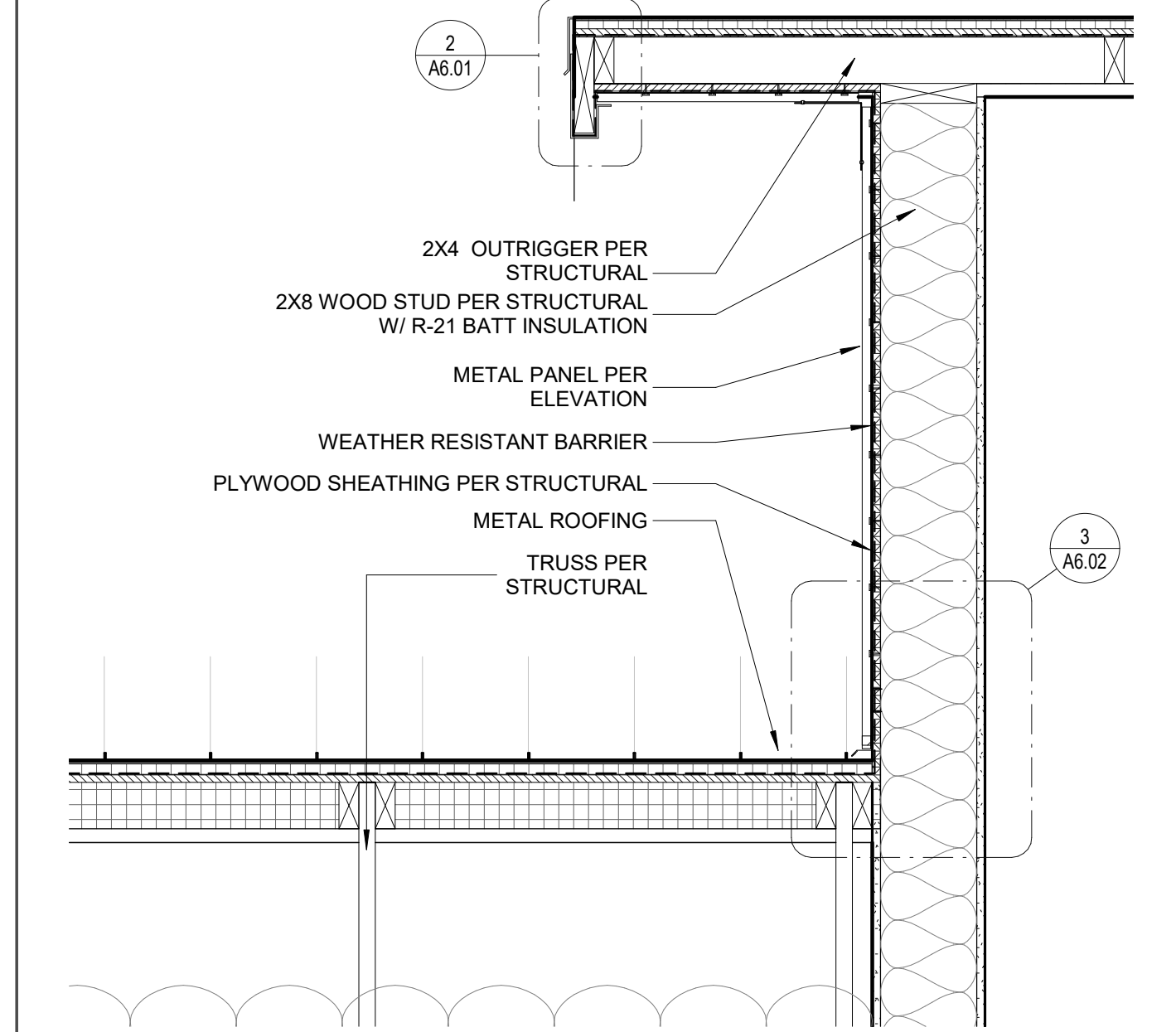
1 EDGE OF EAVE
A6.02 Scale: 6" = 1'-0"



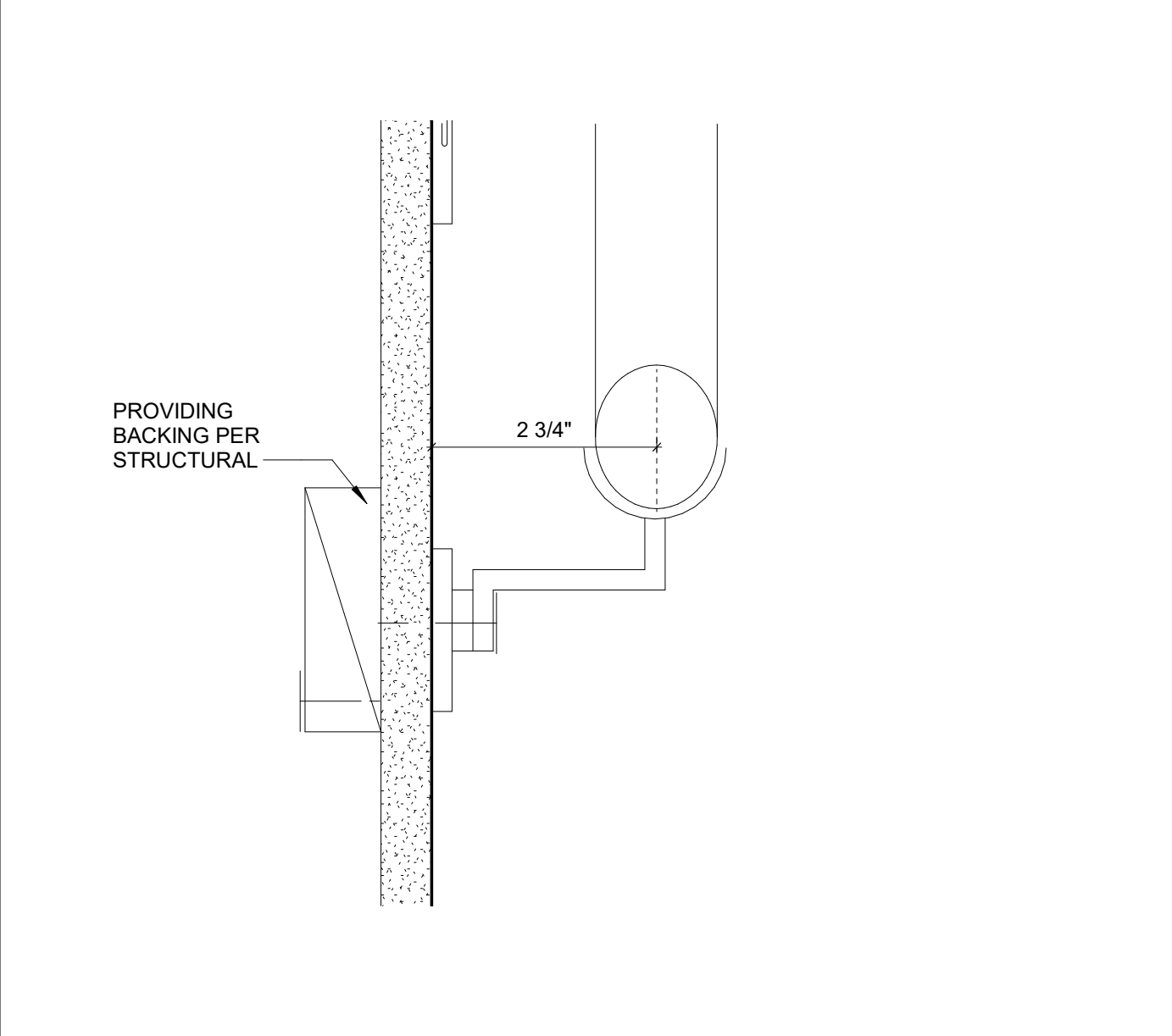
8 SIDING CHANGE
A6.02 Scale: 6" = 1'-0"



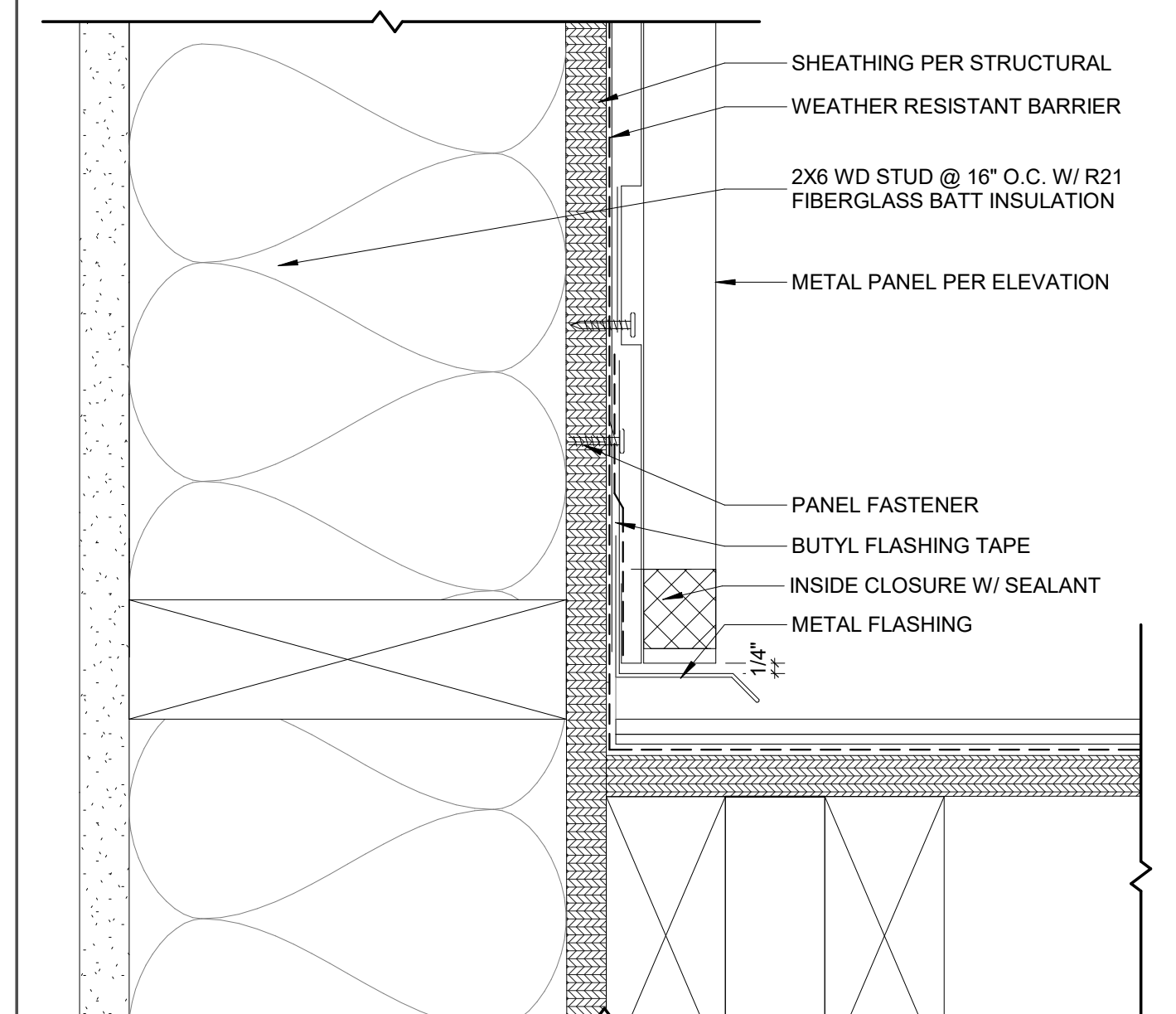
2 ELEVATOR ROOF DETAIL
A6.02 Scale: 1" = 1'-0"

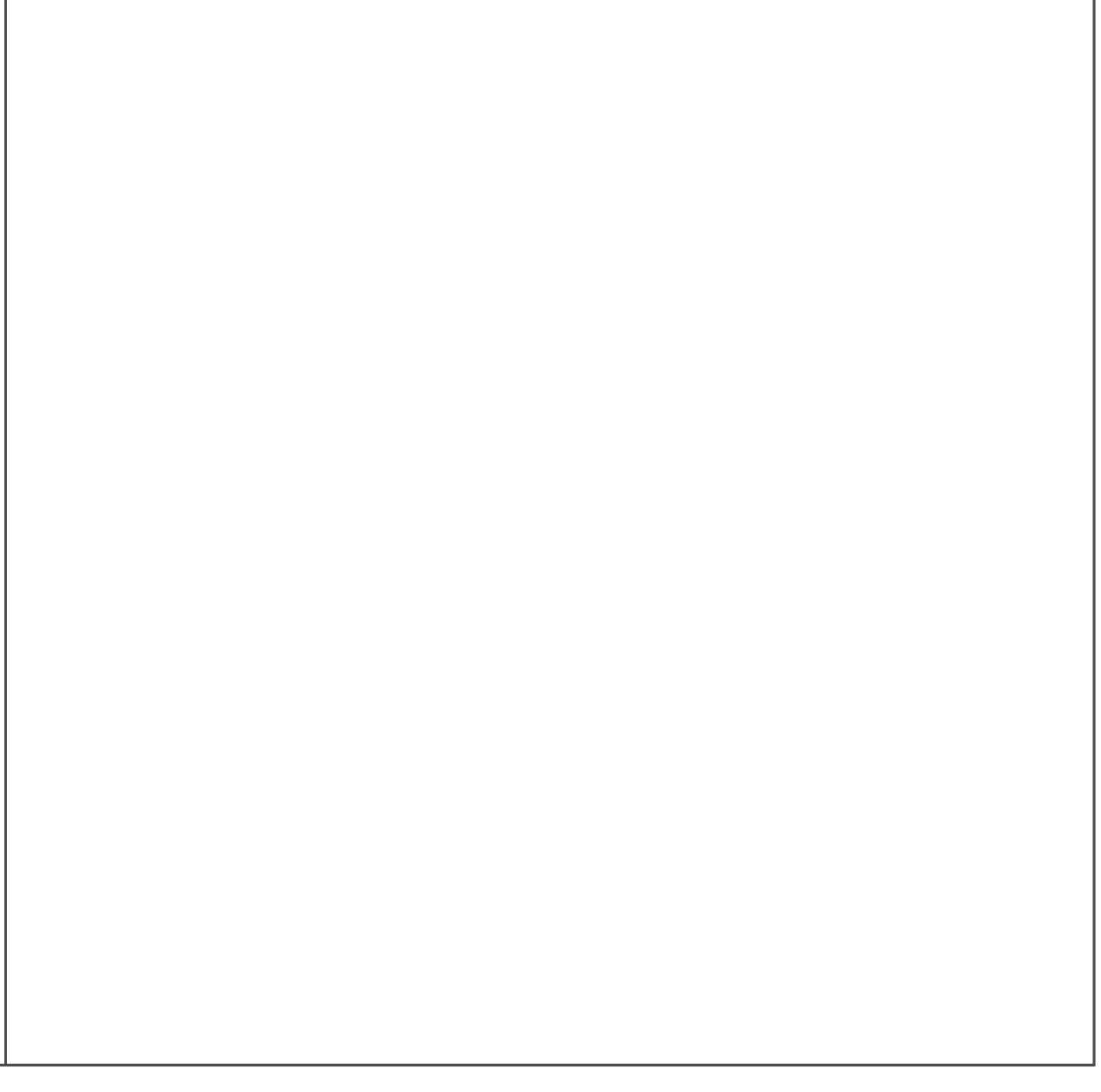
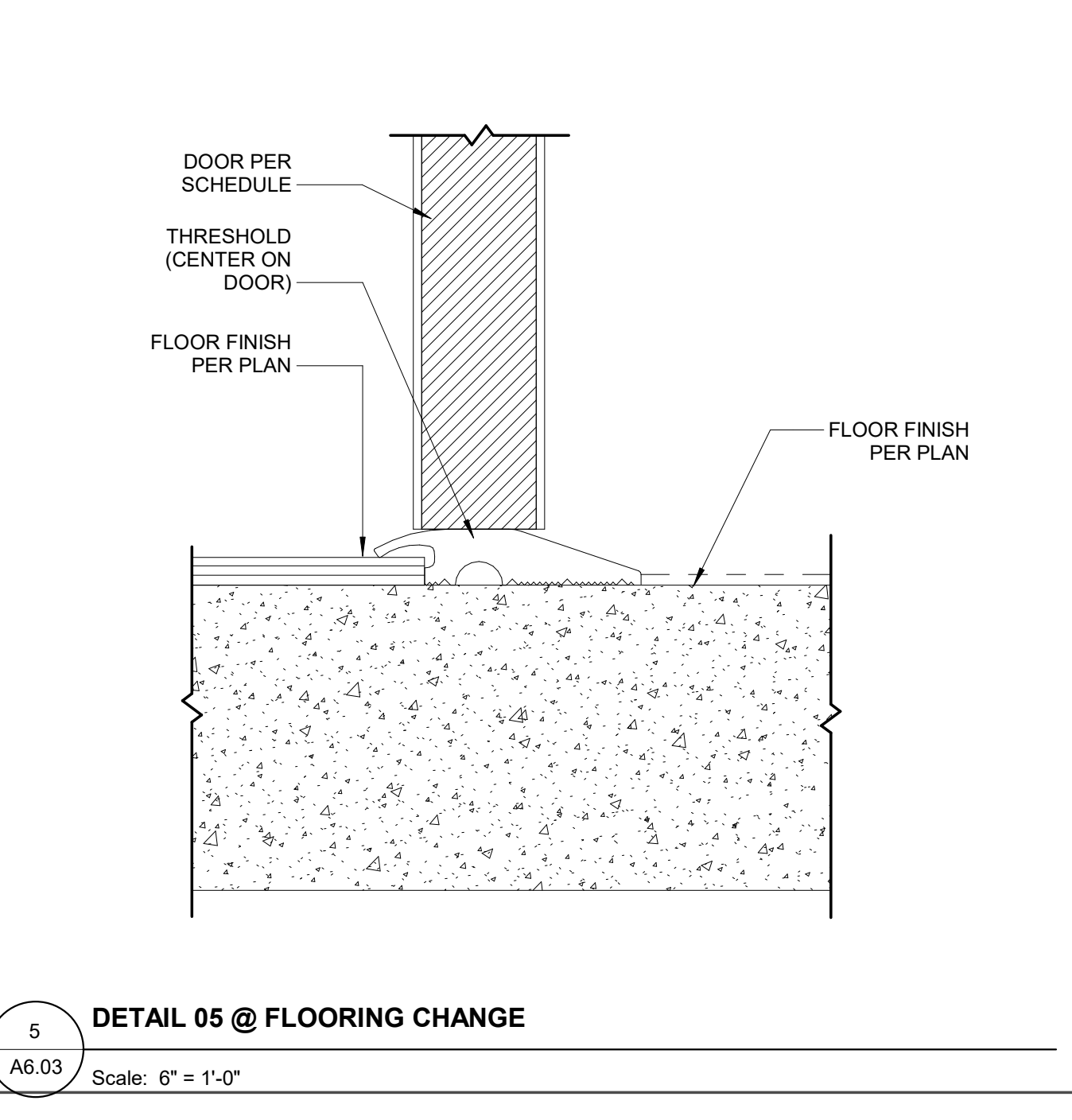
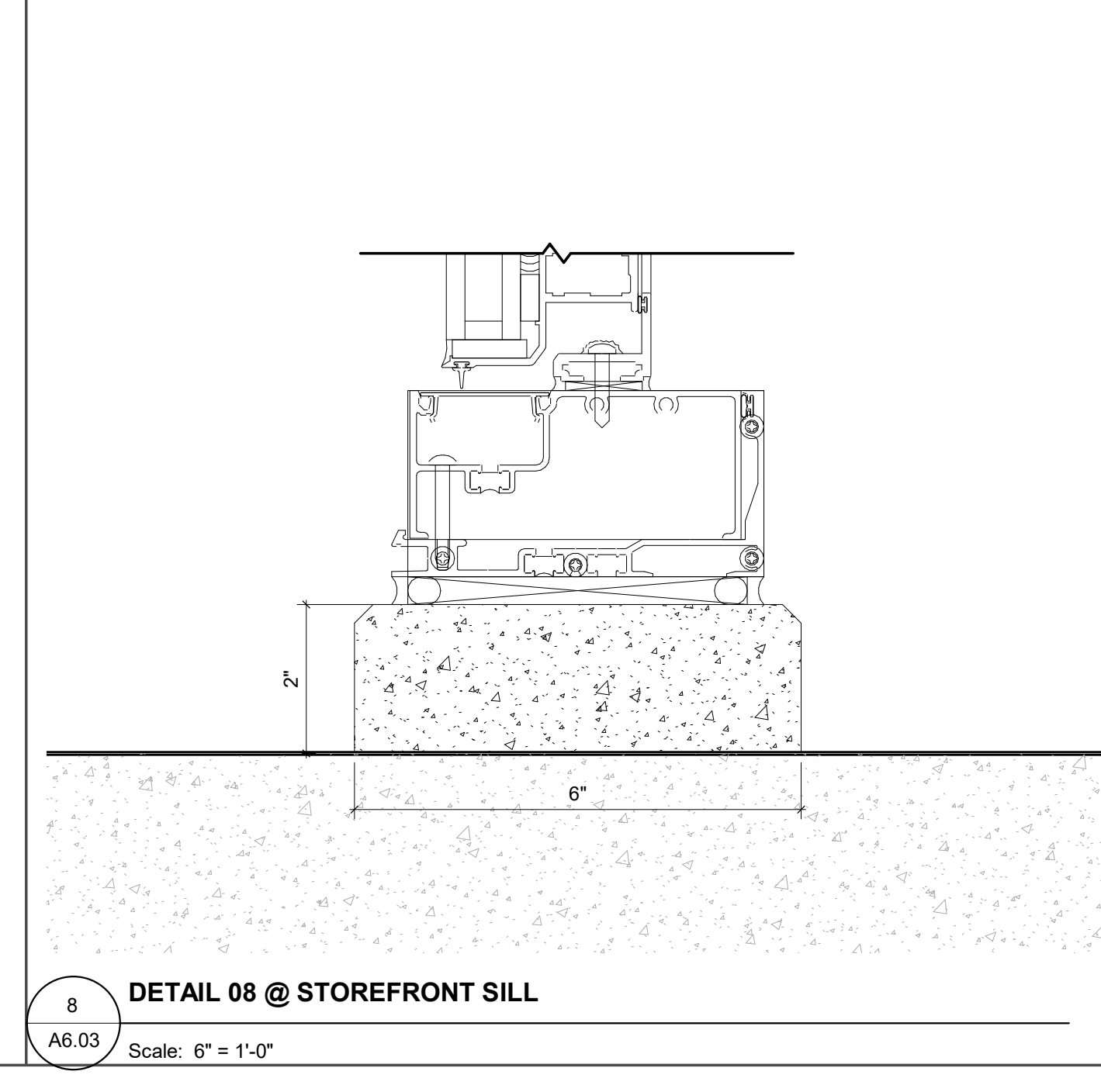
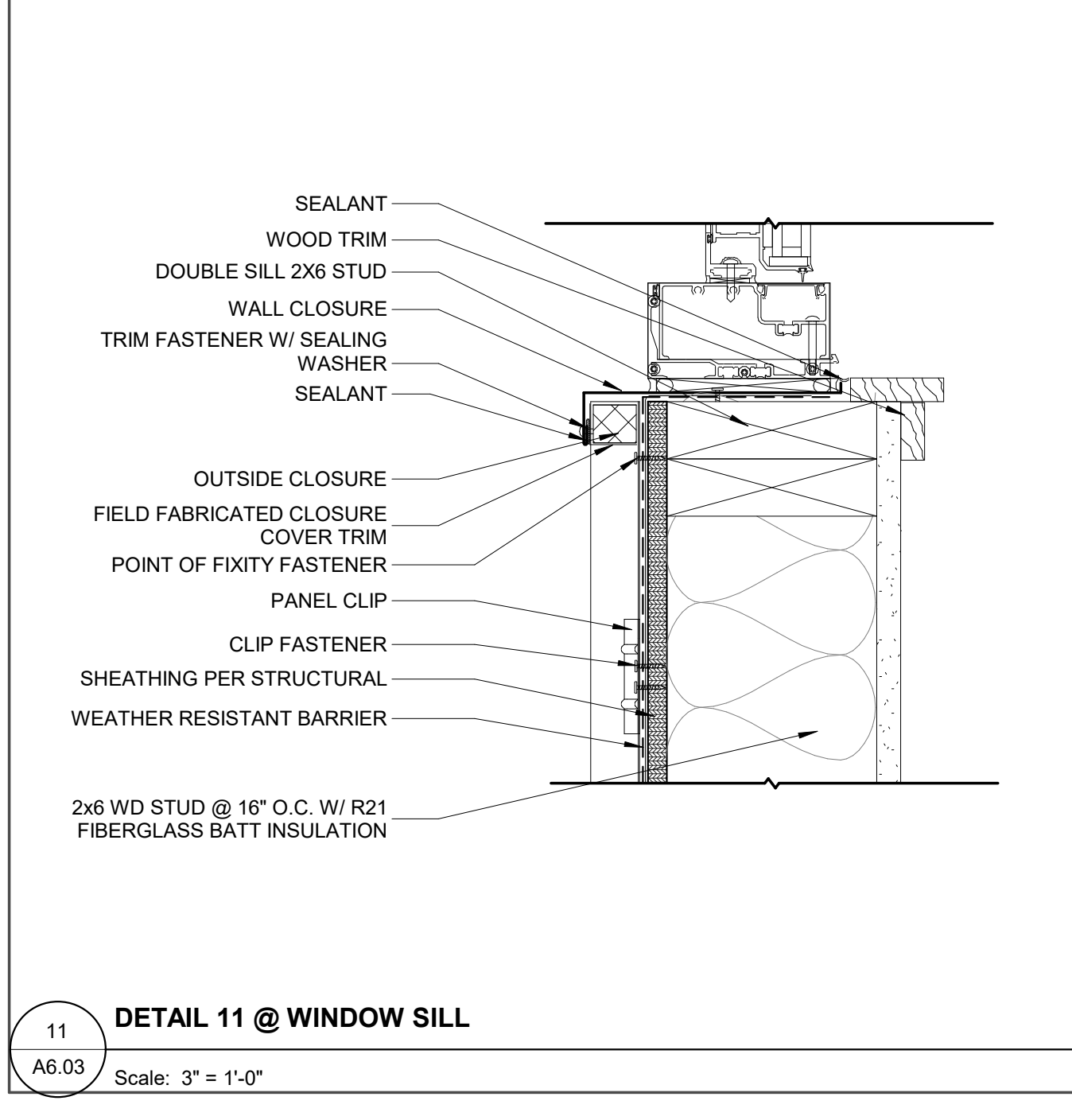
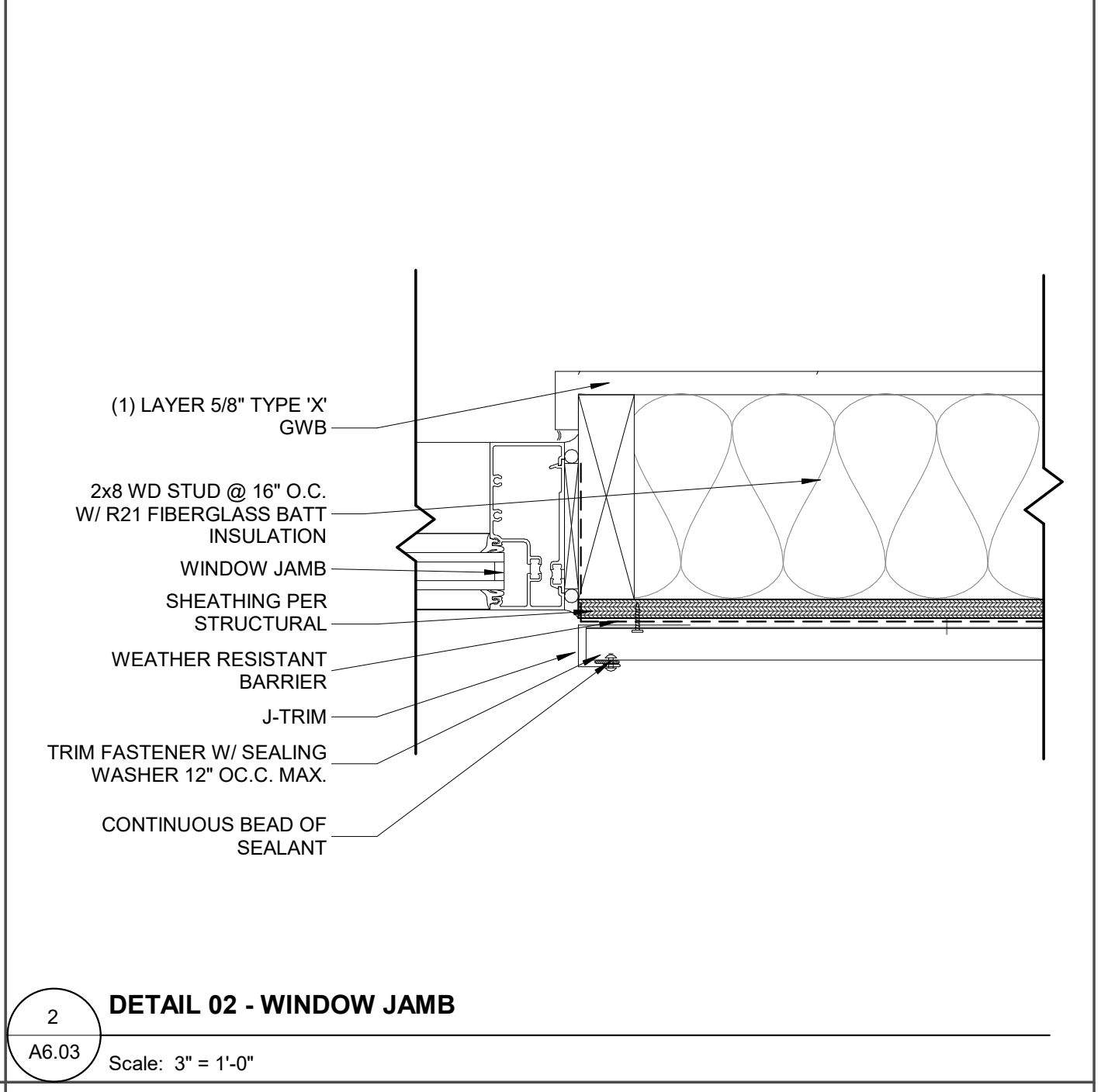
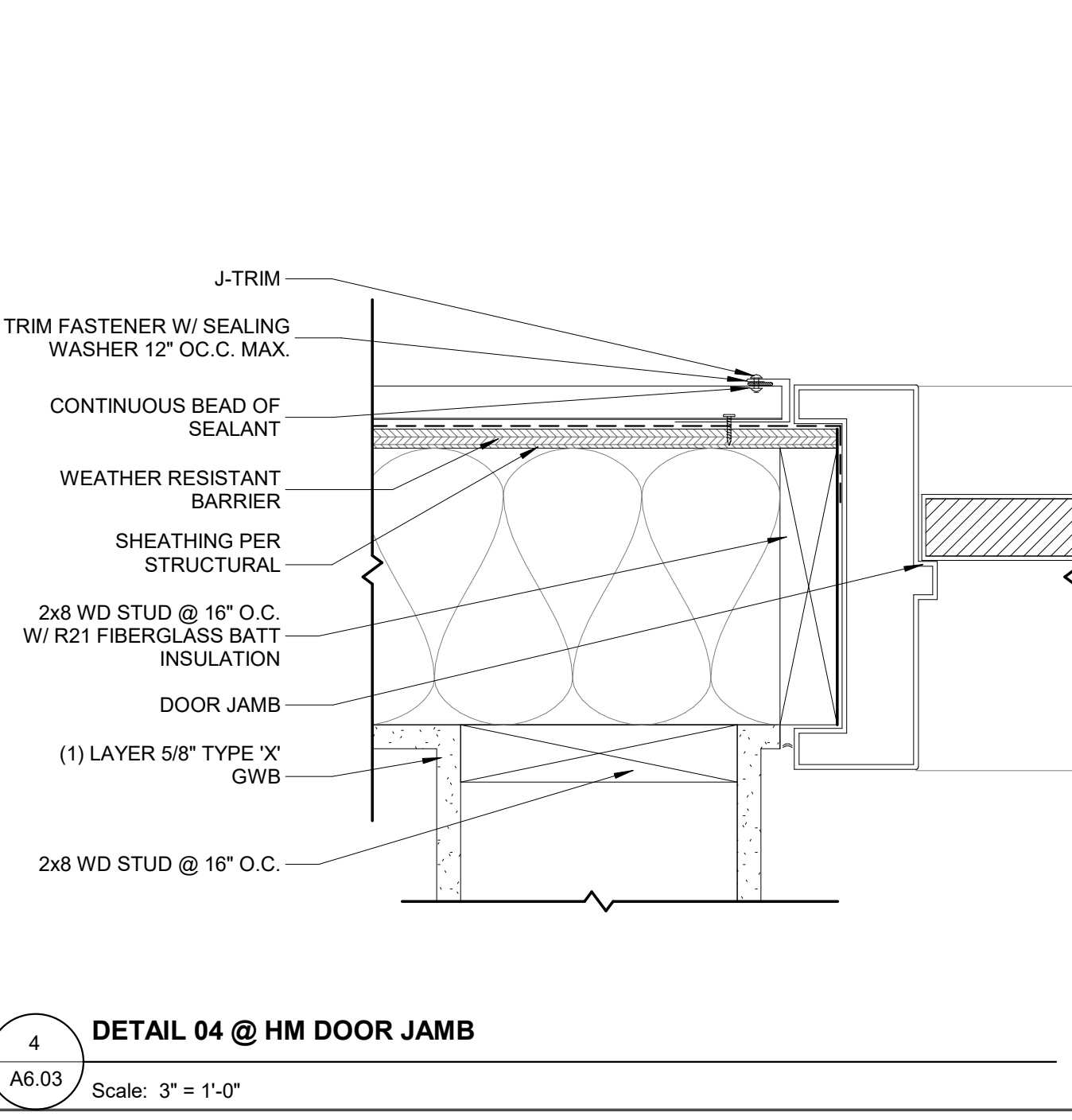
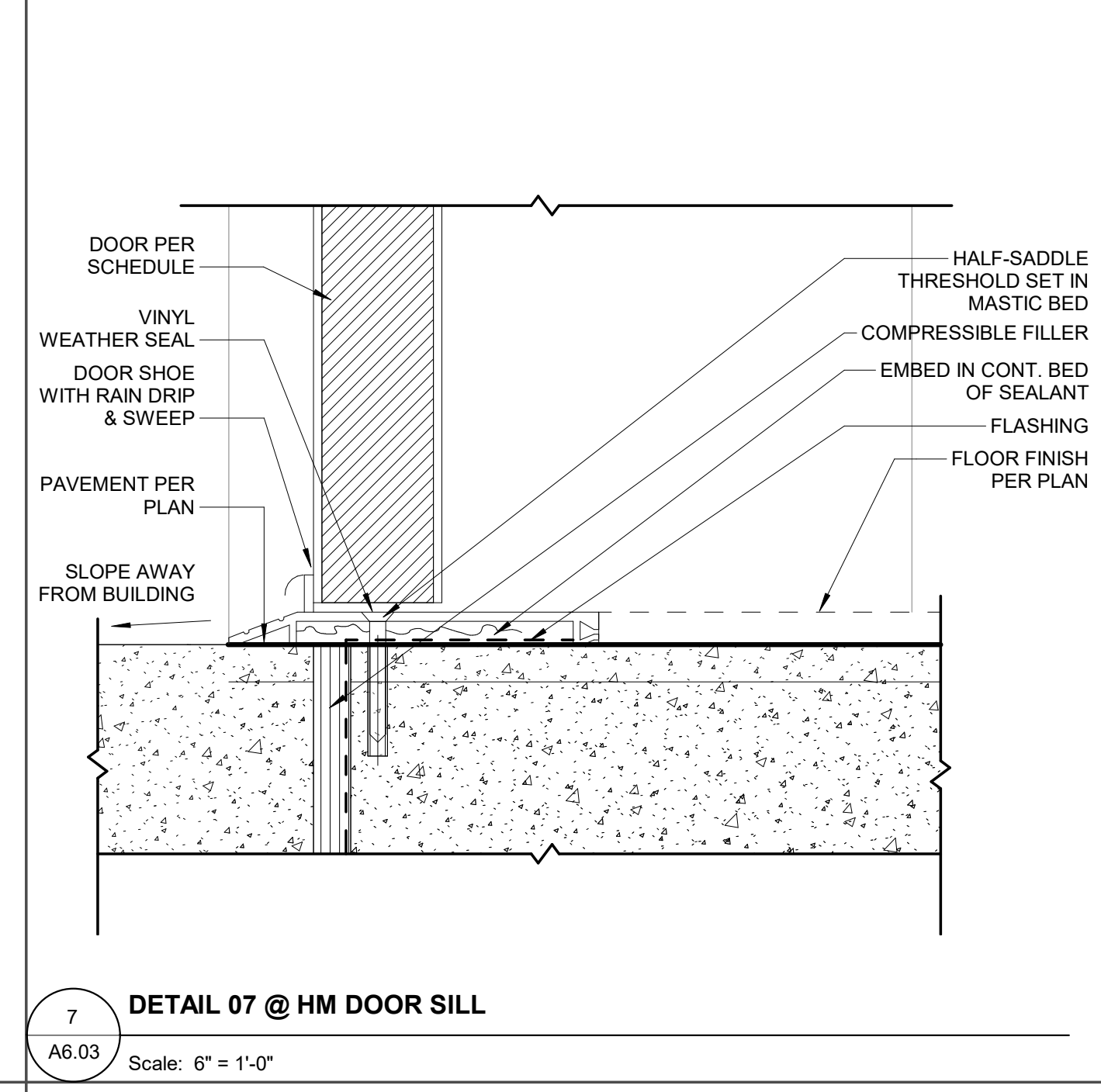
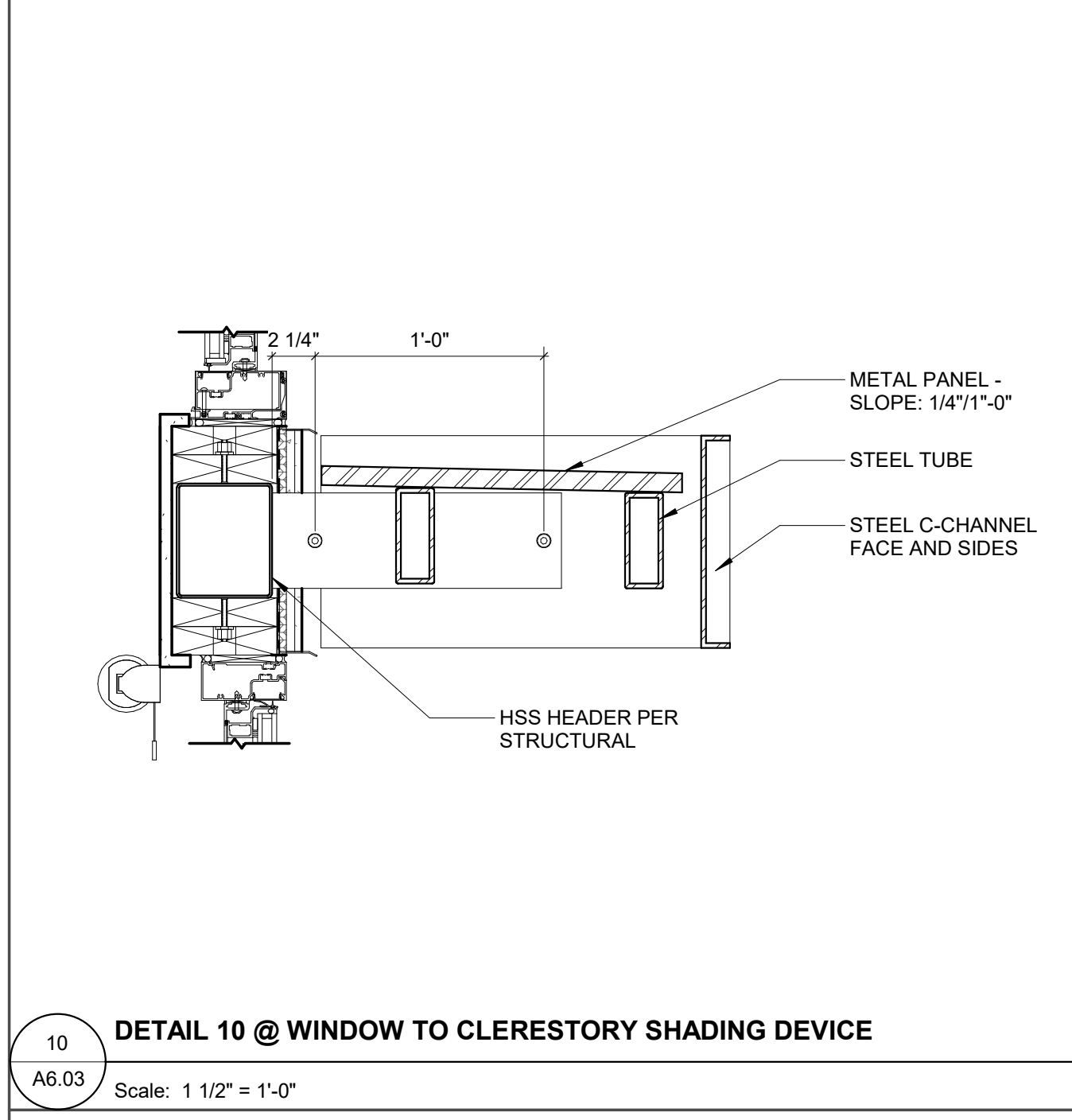
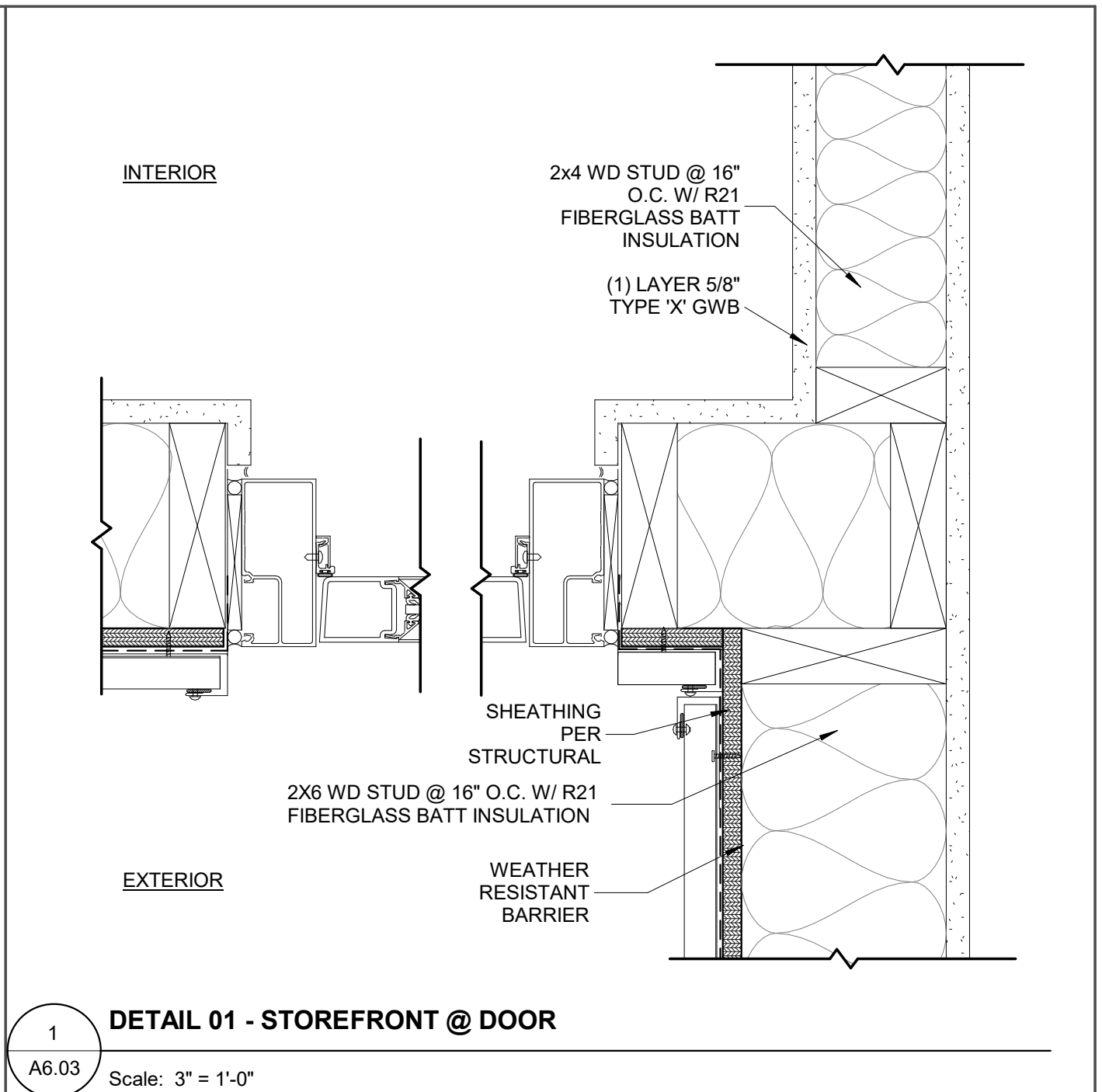
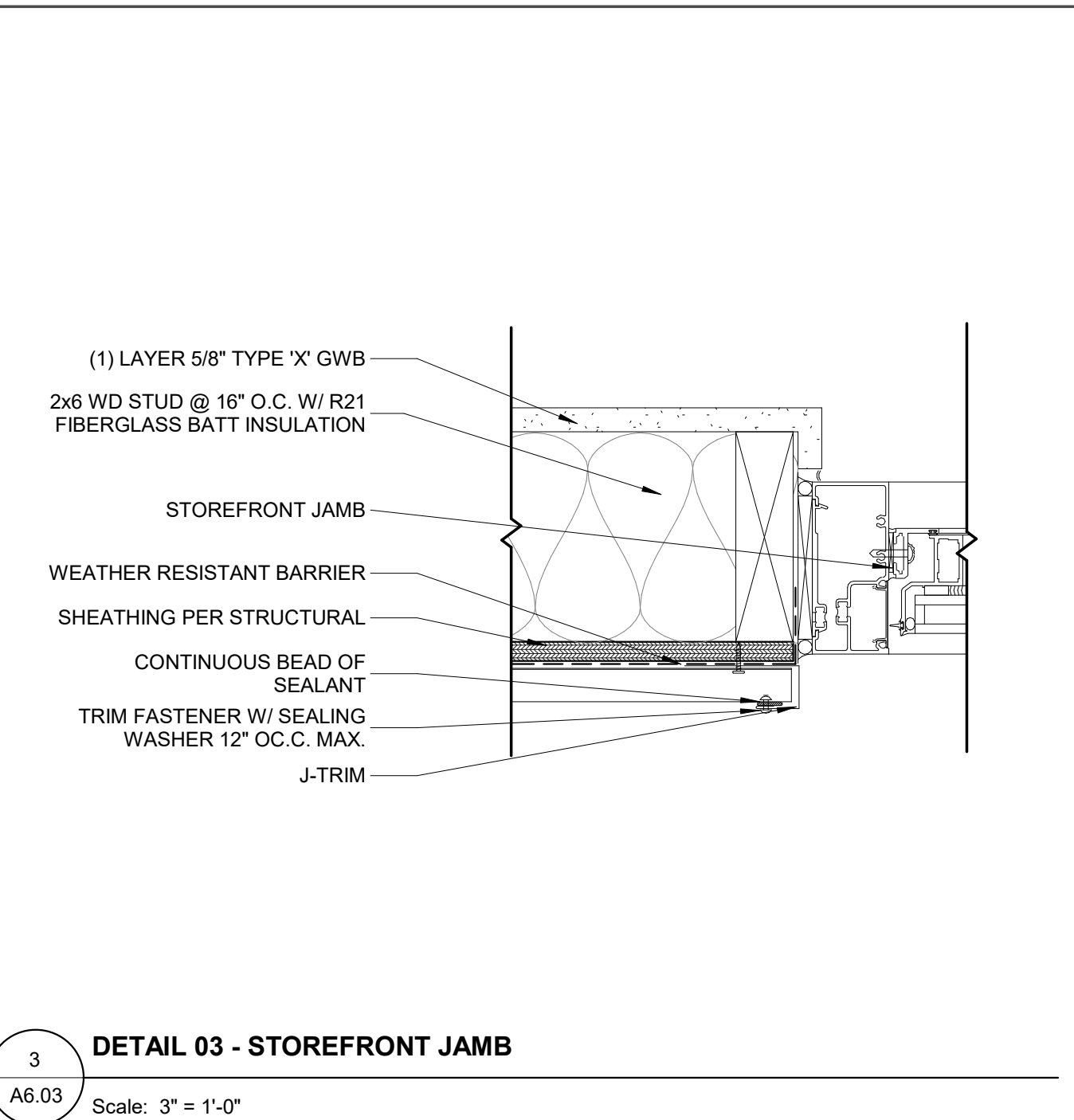
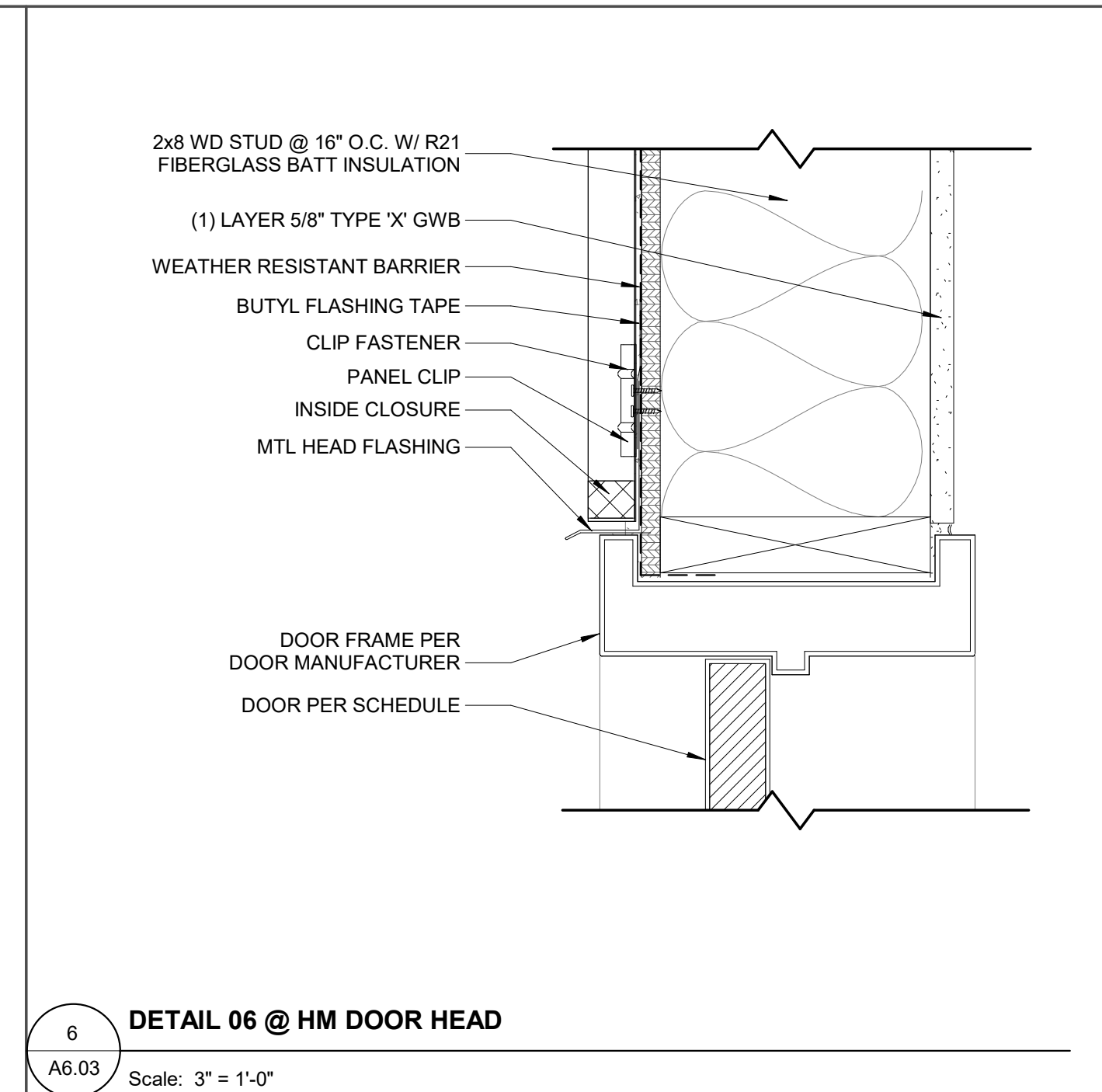
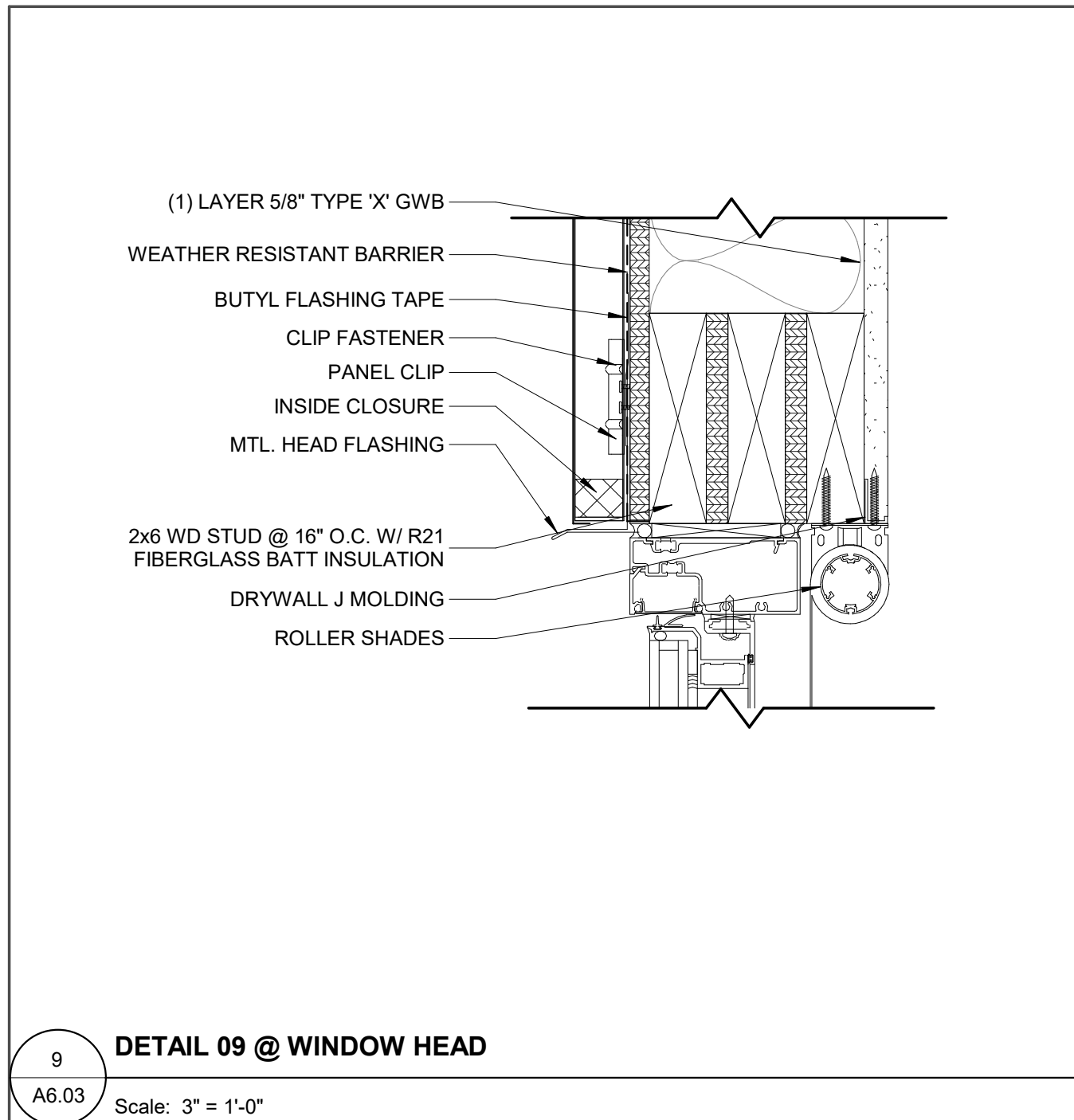


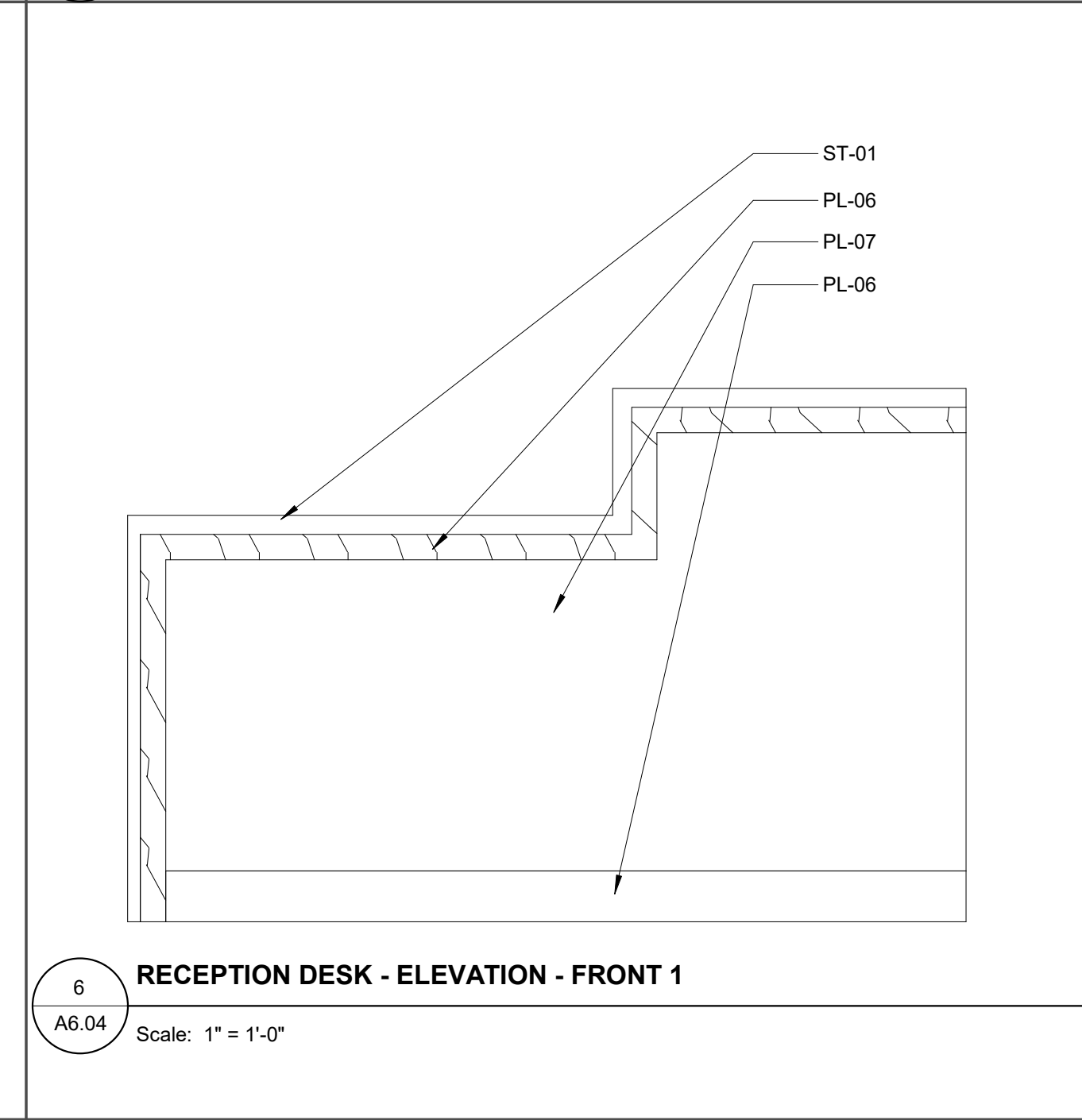
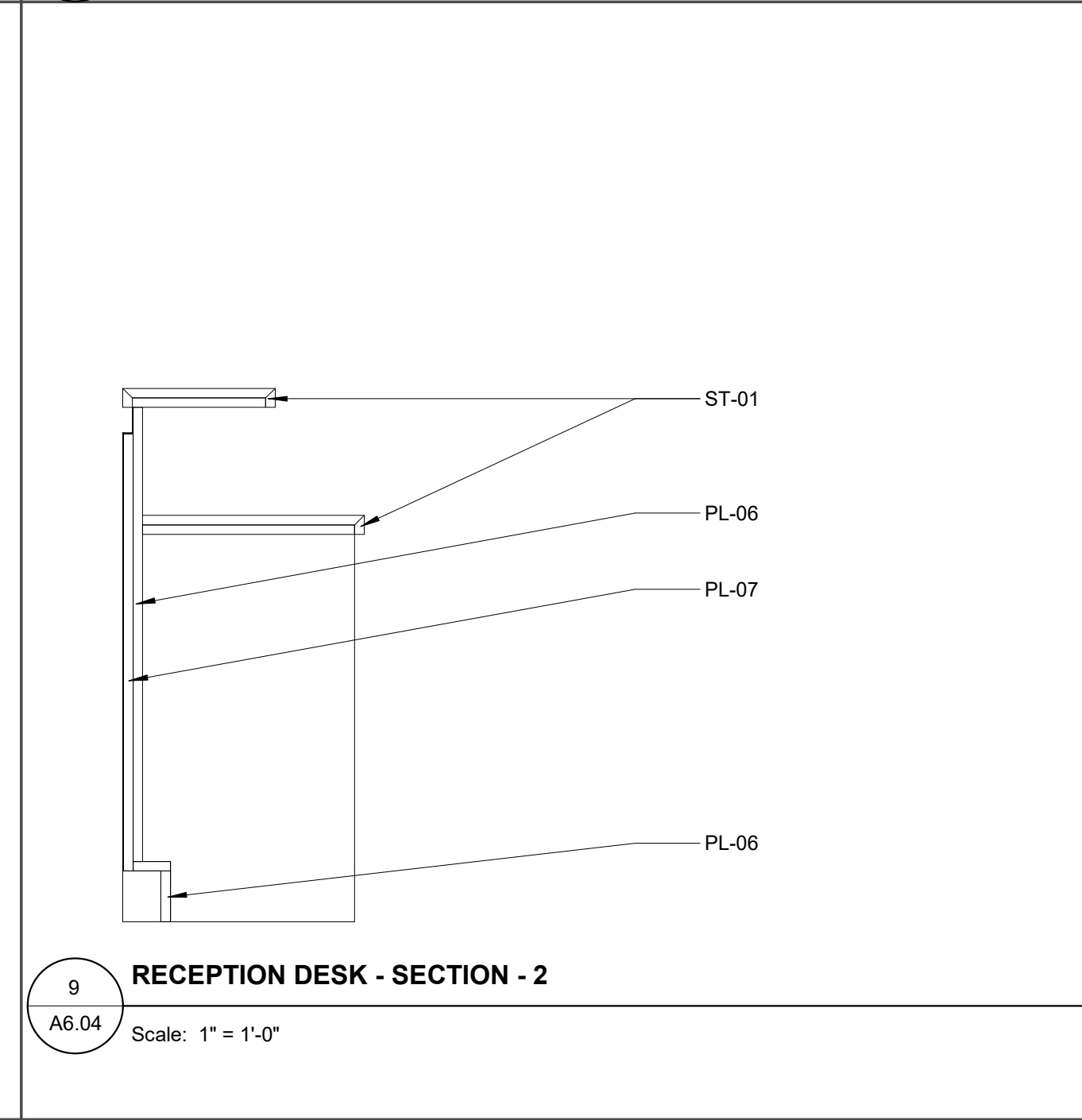
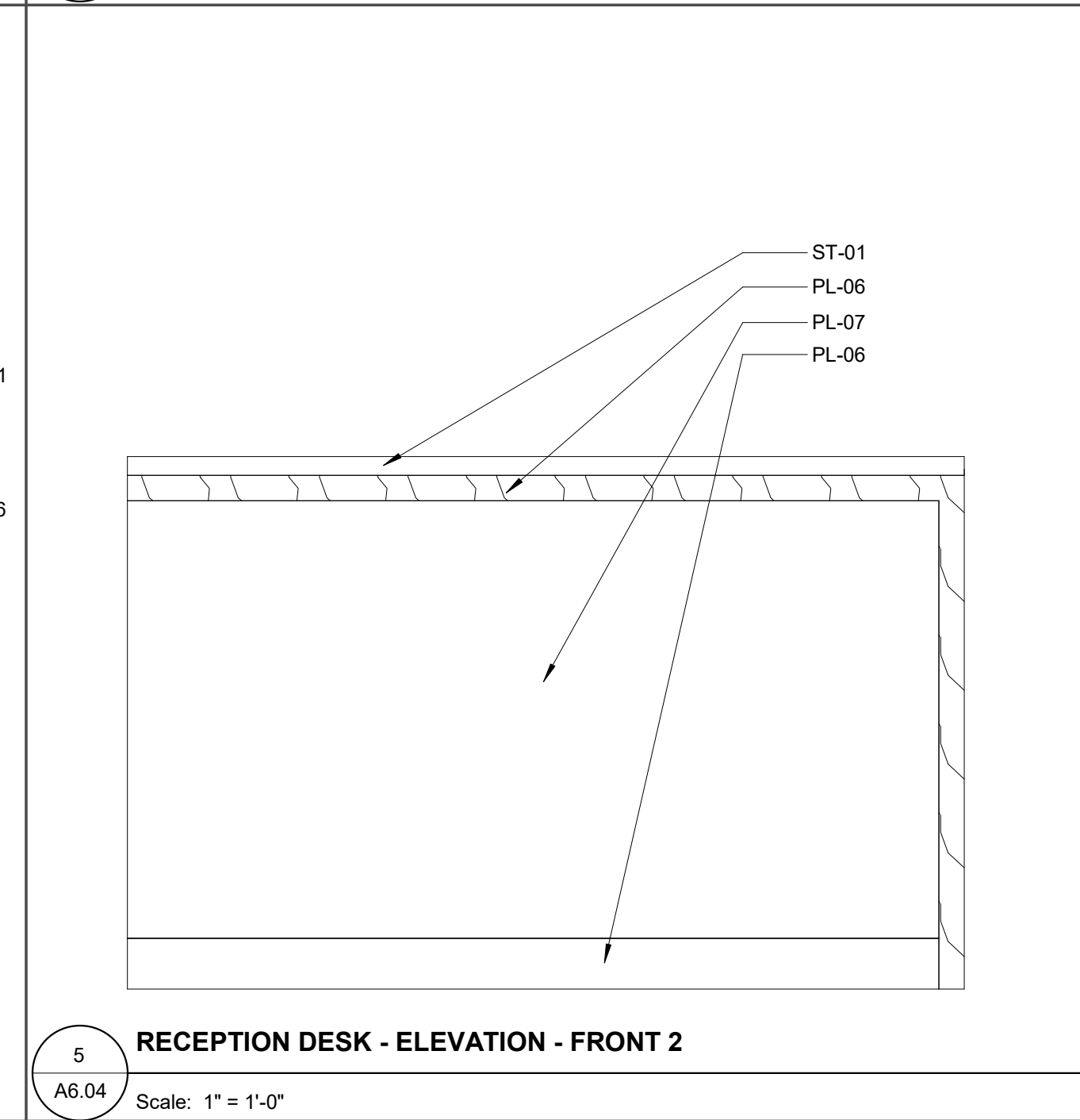
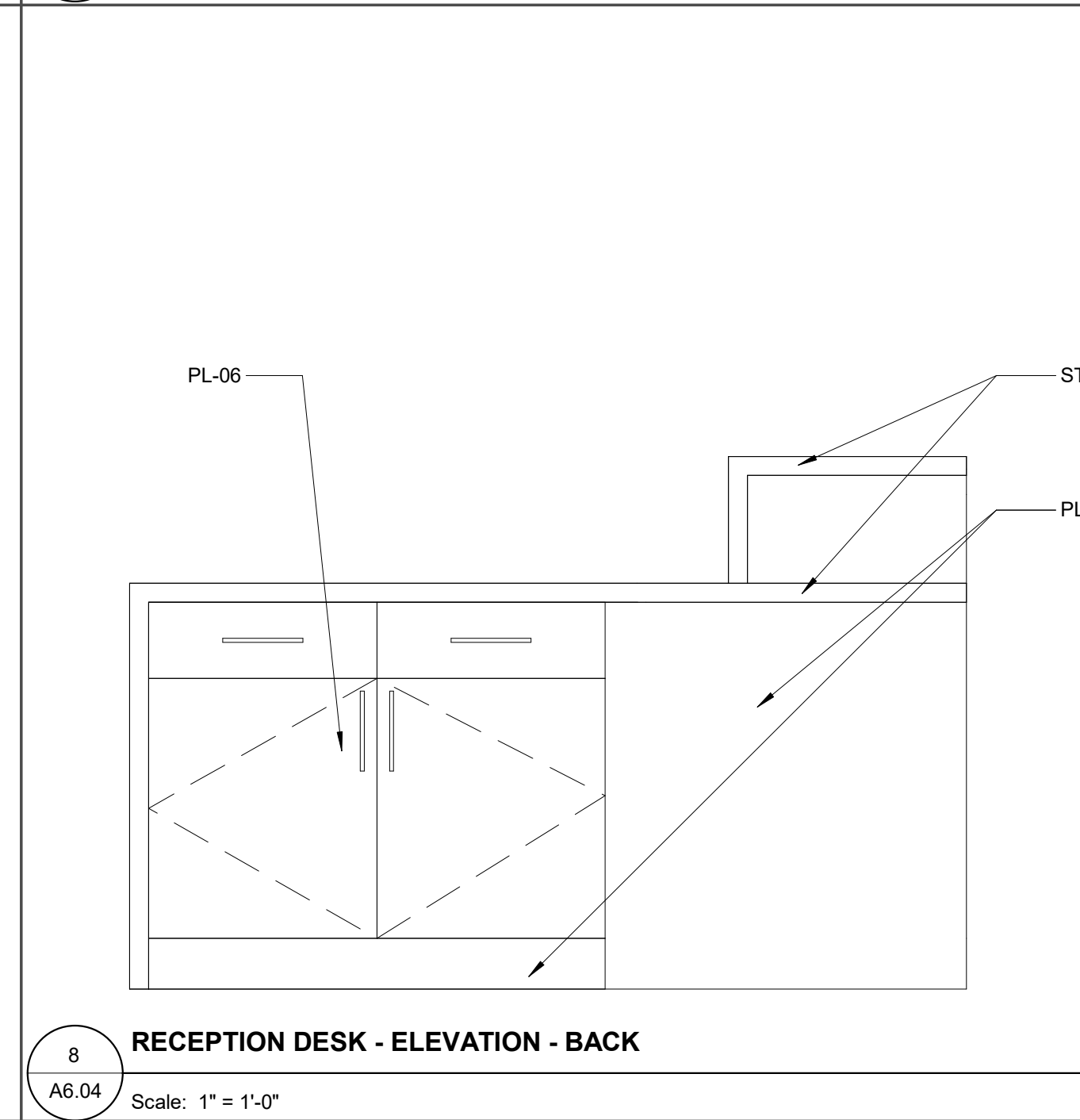
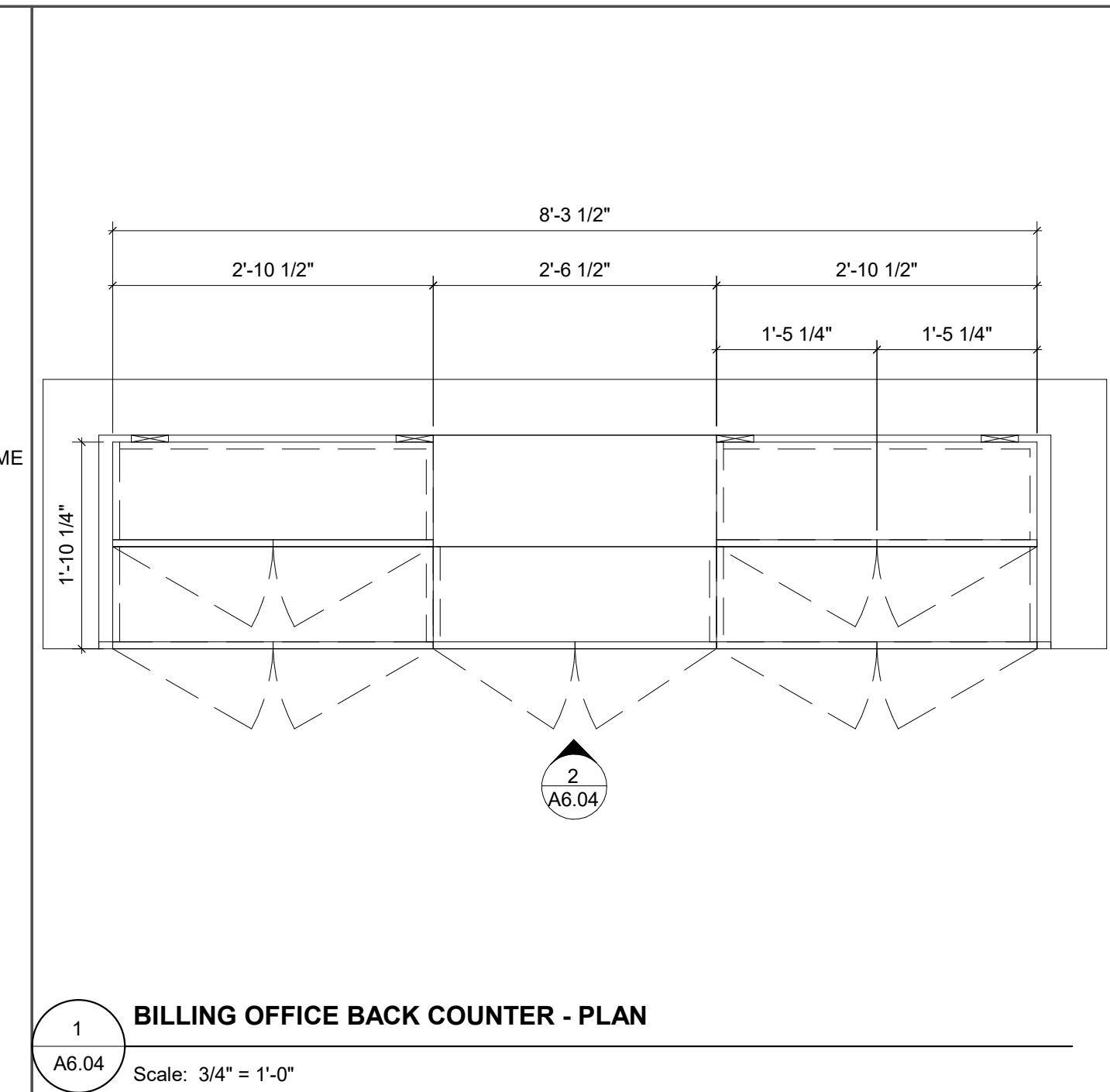
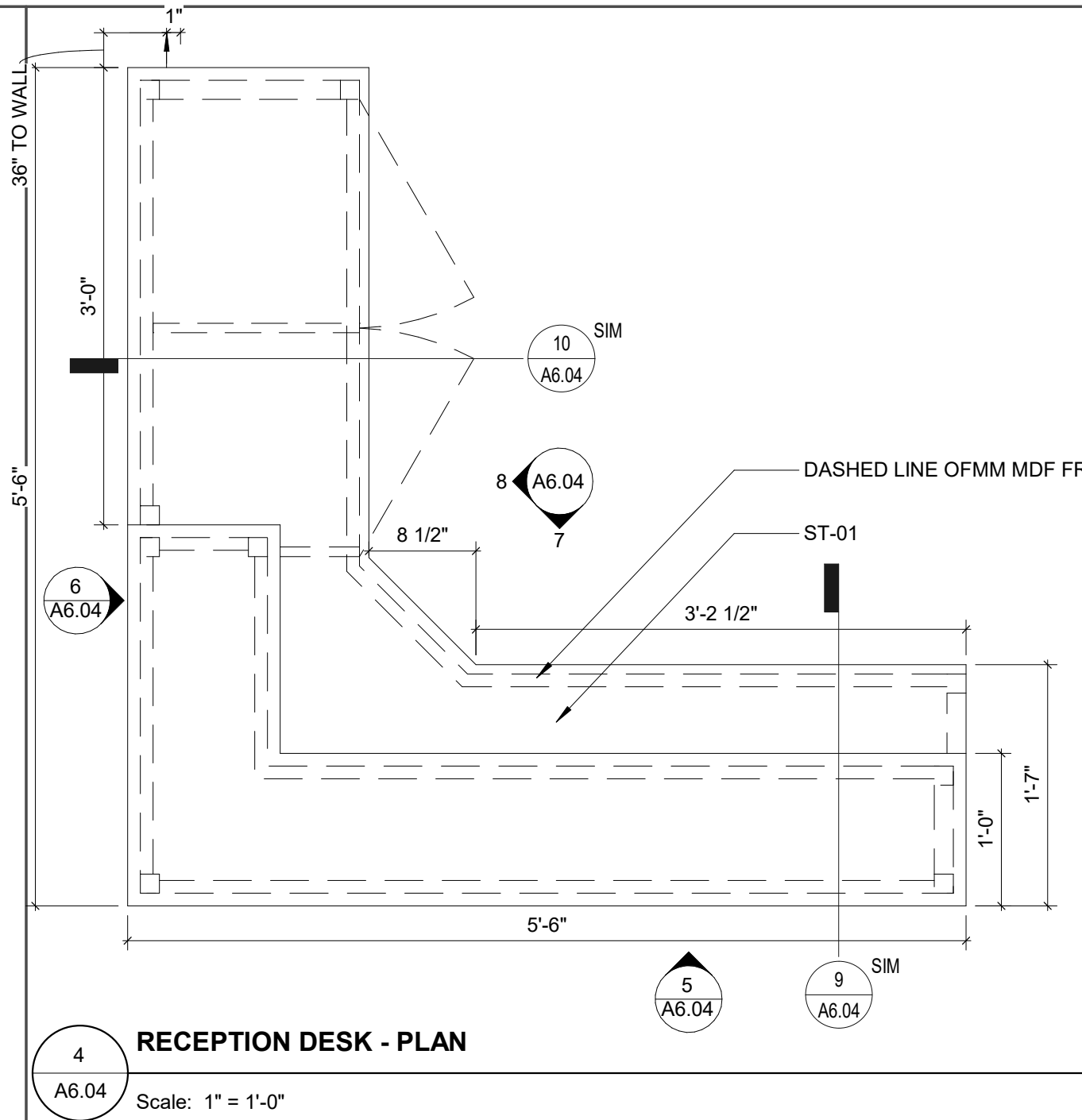
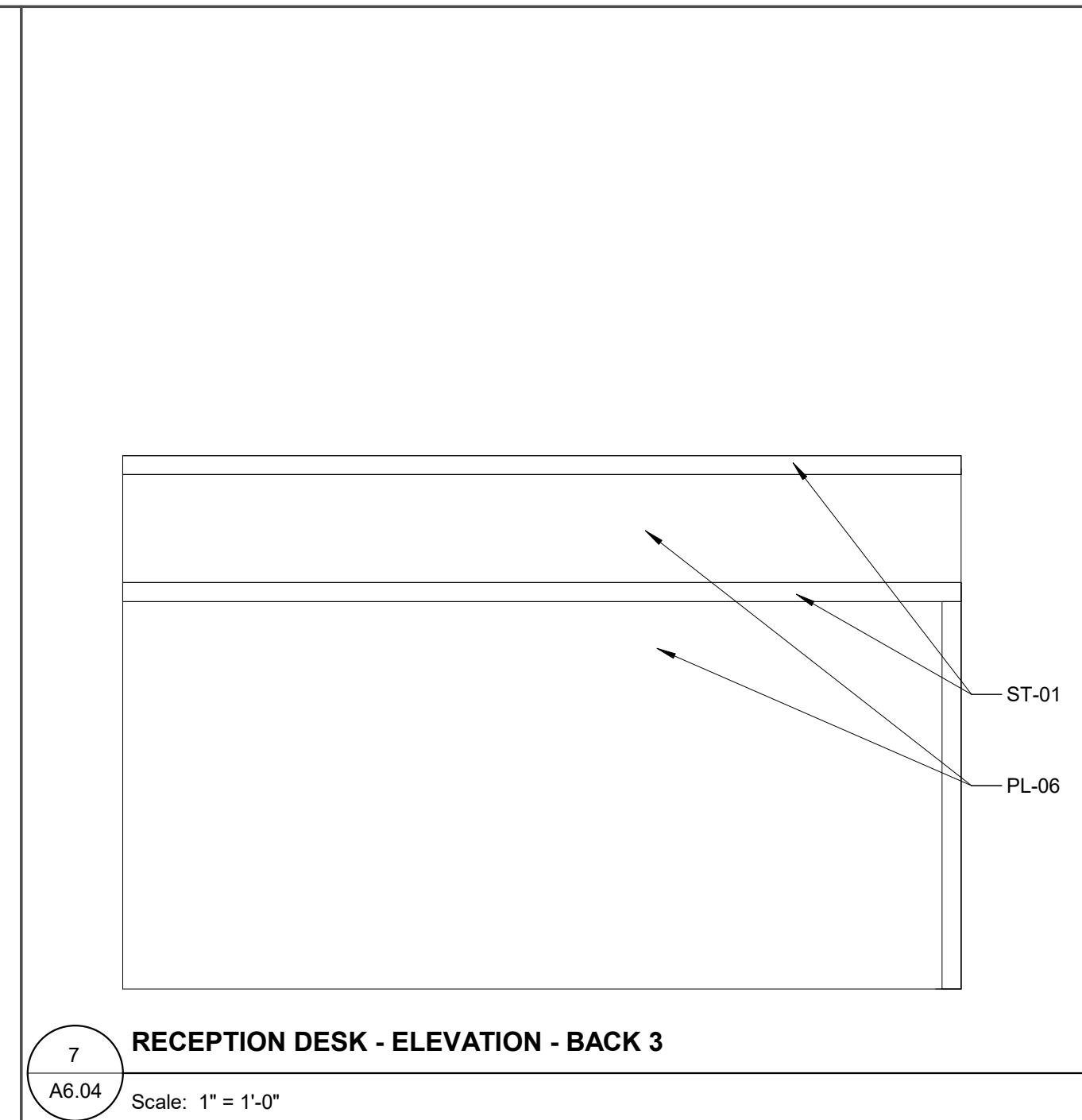
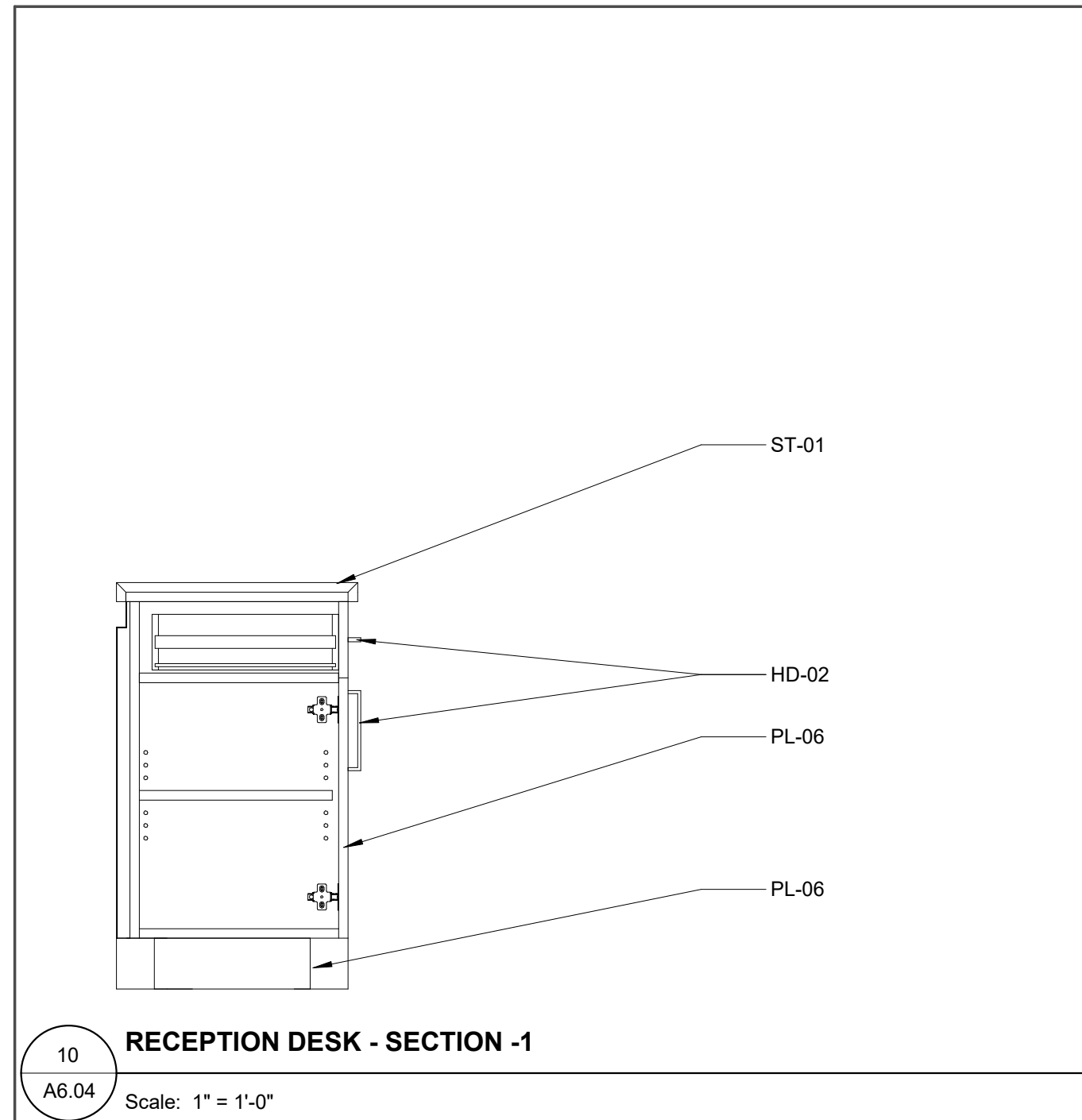
9 INTERIOR STAIR HANDRAIL
A6.02 Scale: 6" = 1'-0"

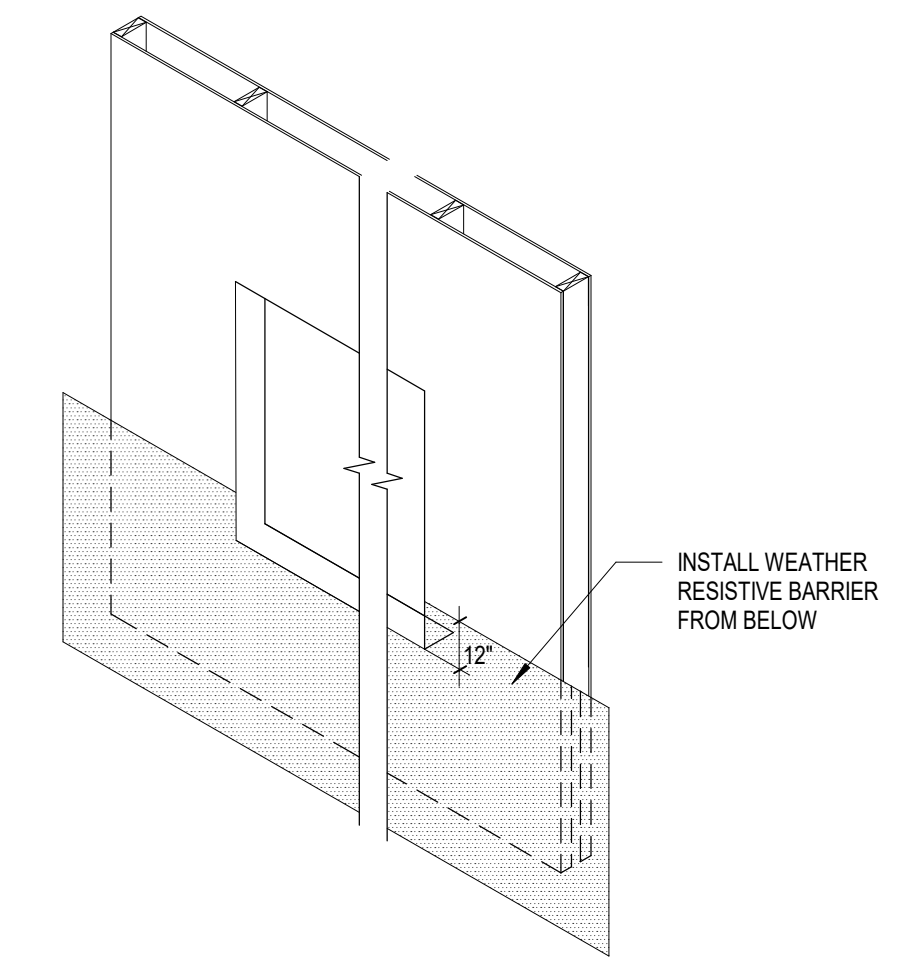


3 ROOF & ELEVATOR PENTHOUSE
A6.02 Scale: 6" = 1'-0"

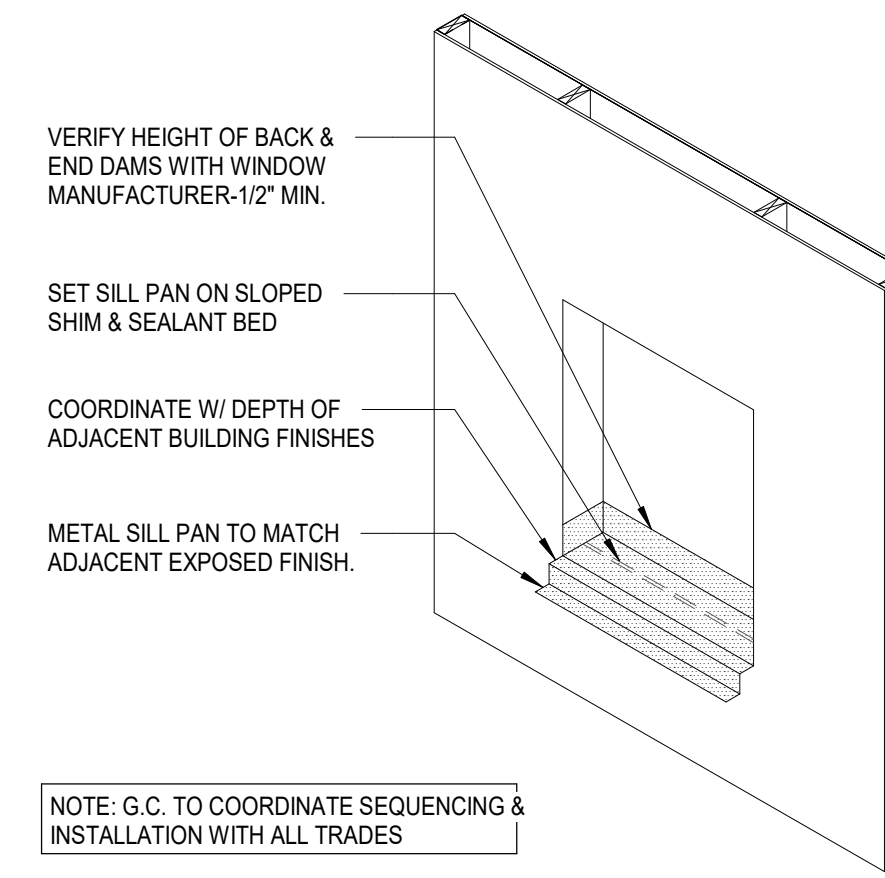




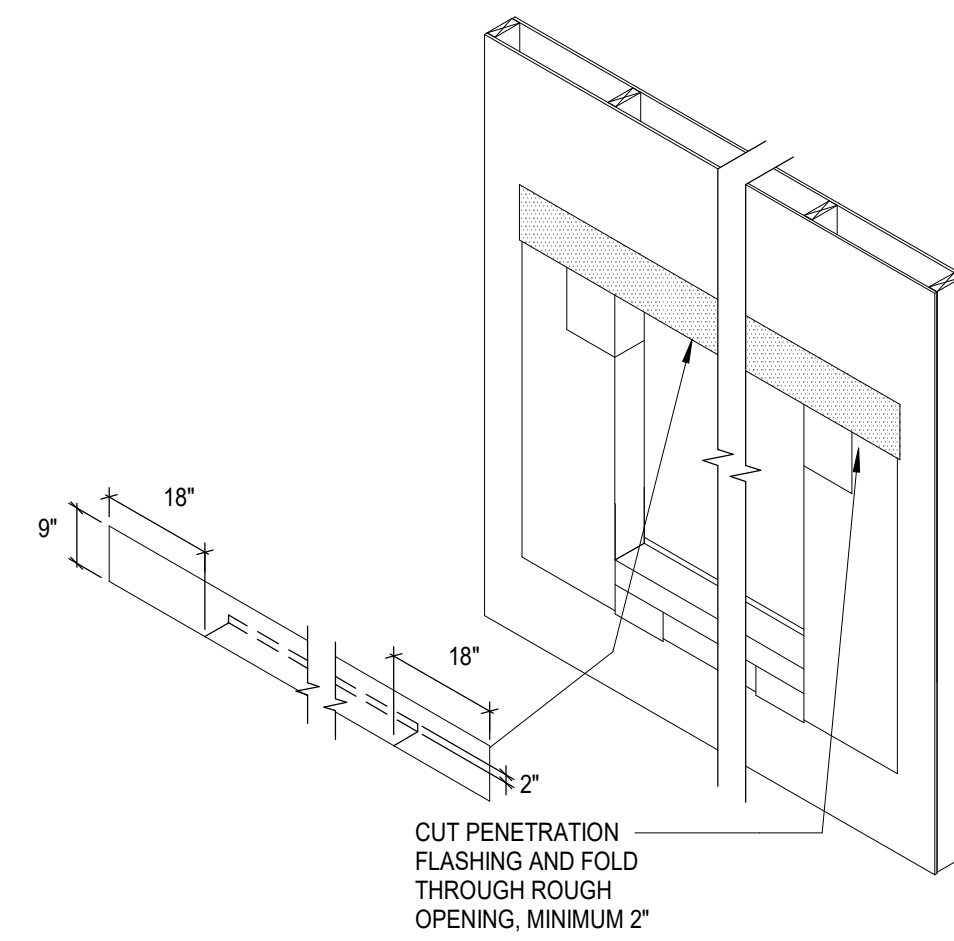




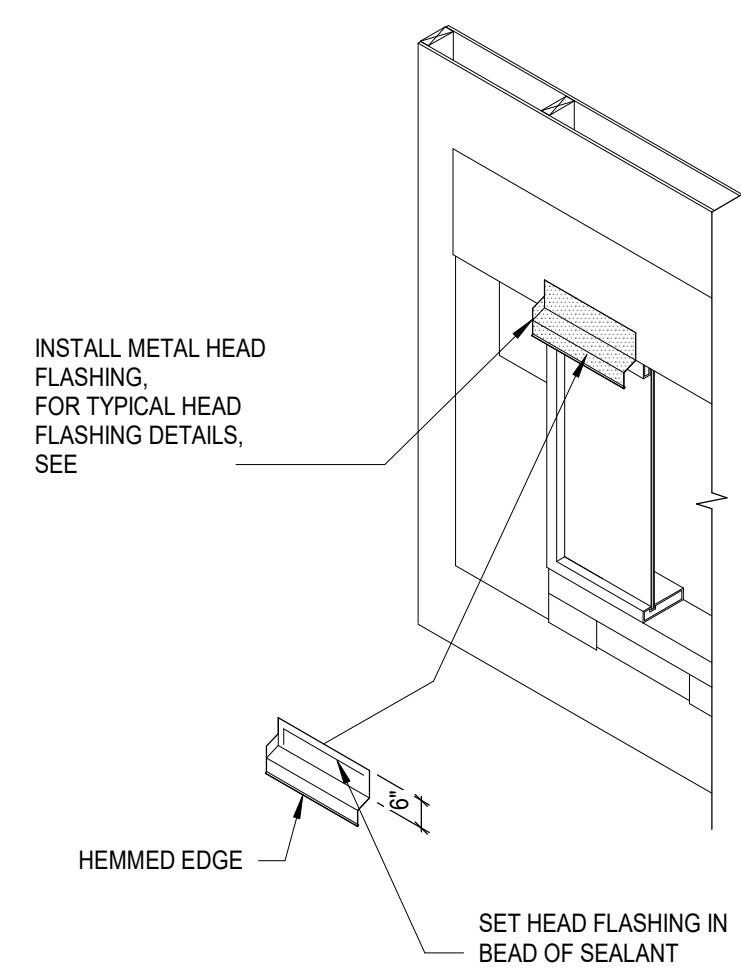
1 STEP A - WEATHER RESISTIVE BARRIER
A6.05 Scale: 1/4" = 1'-0"



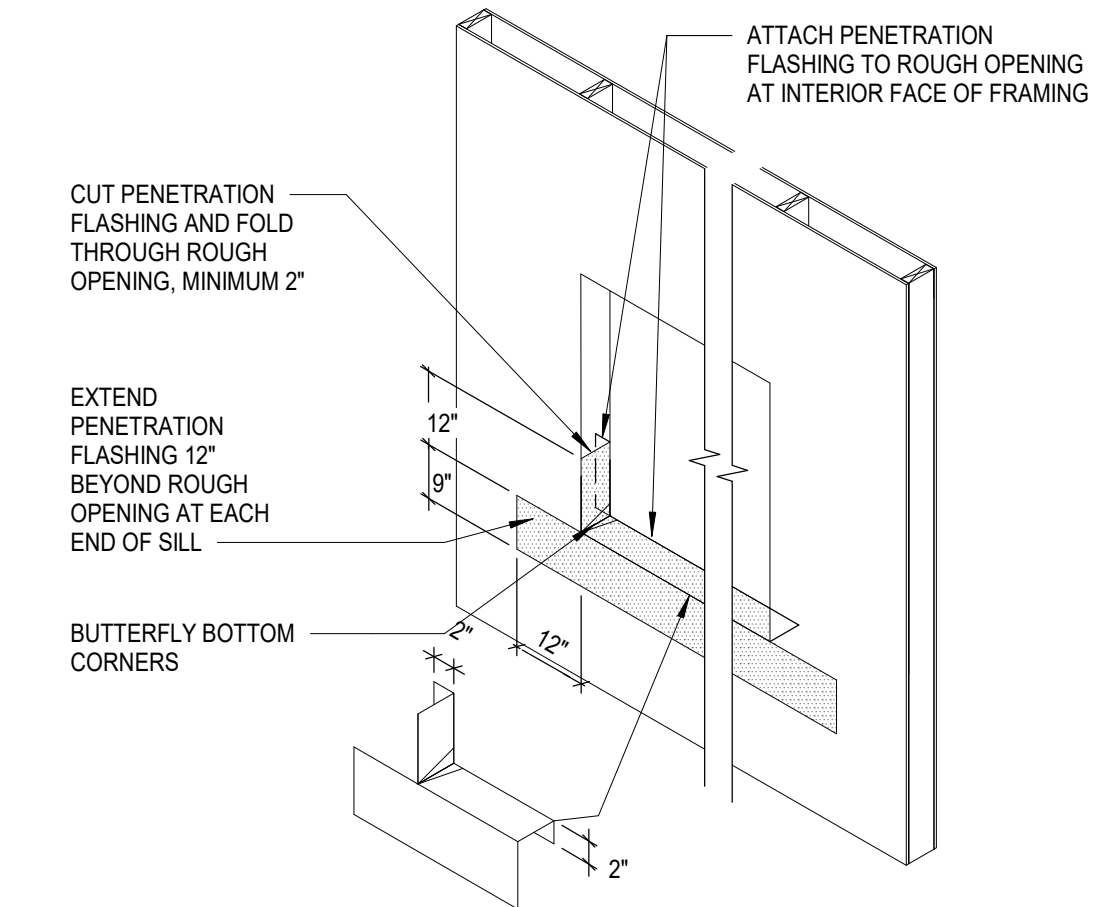
4 STEP D - SILL PAN @ WINDOWS
A6.05 Scale: 1/4" = 1'-0"



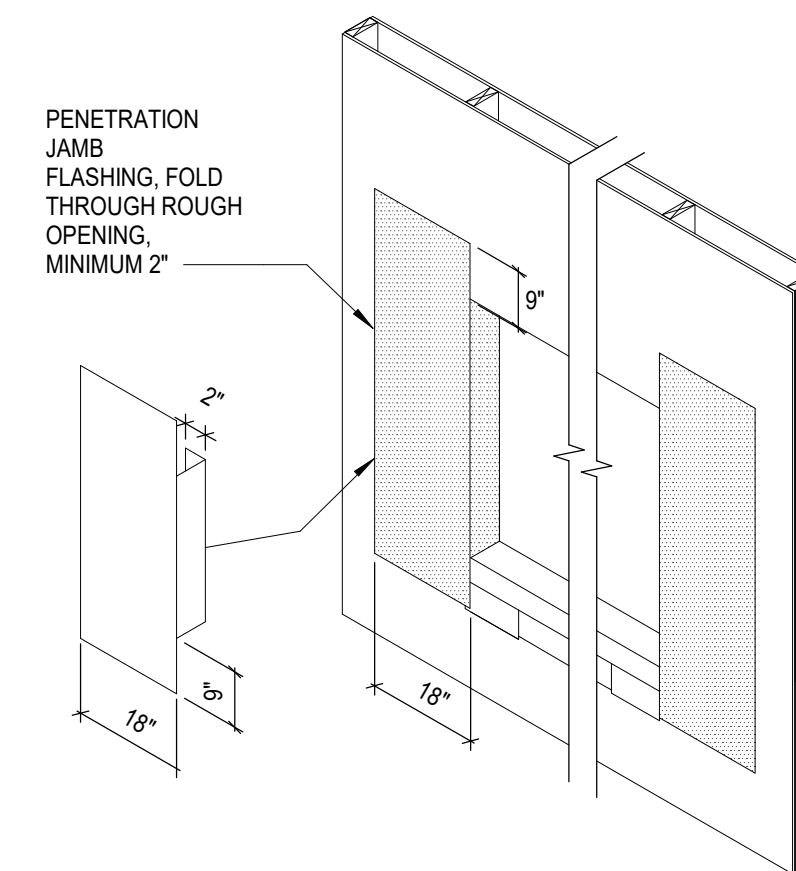
7 STEP G - HEAD PENETRATION FLASHING
A6.05 Scale: 1/4" = 1'-0"



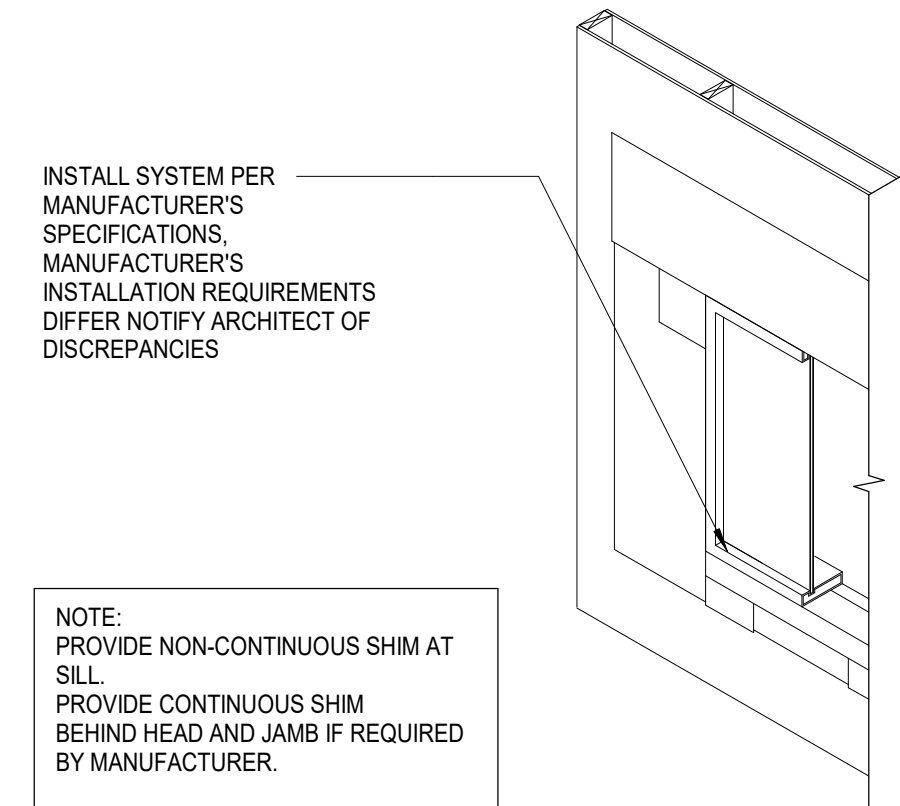
10 STEP J - HEAD FLASHING
A6.05 Scale: 1/4" = 1'-0"



2 STEP B - SILL PENETRATION FLASHING
A6.05 Scale: 1/4" = 1'-0"

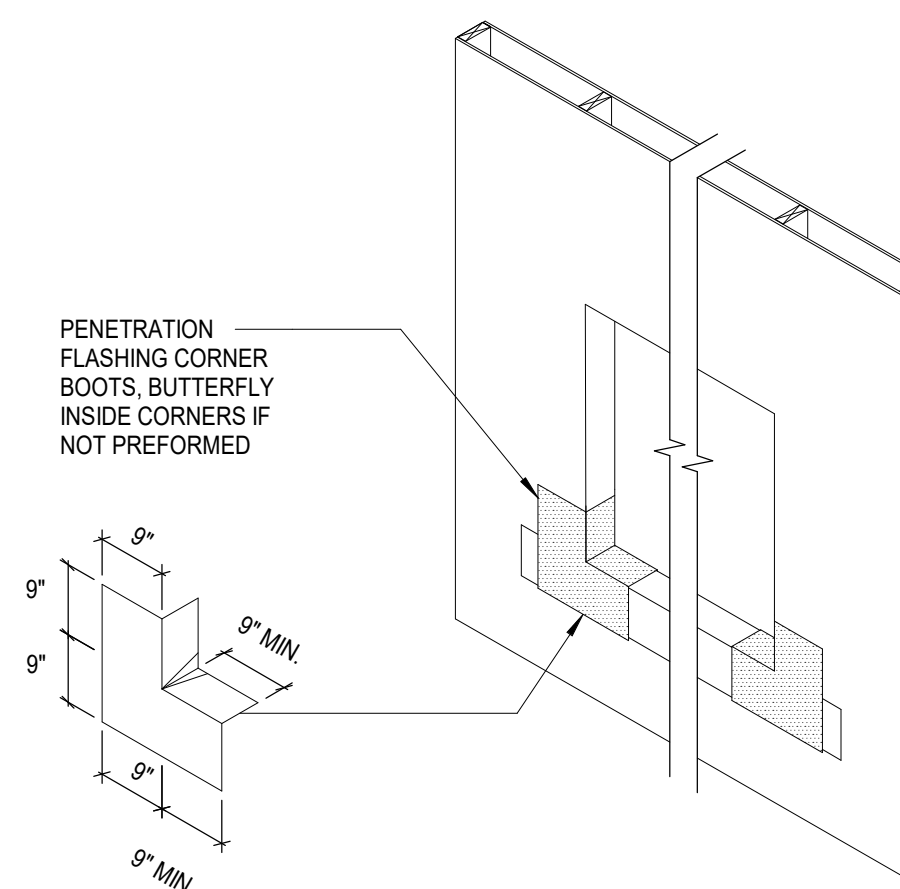


5 STEP E - JAMB PENETRATION FLASHING
A6.05 Scale: 1/4" = 1'-0"

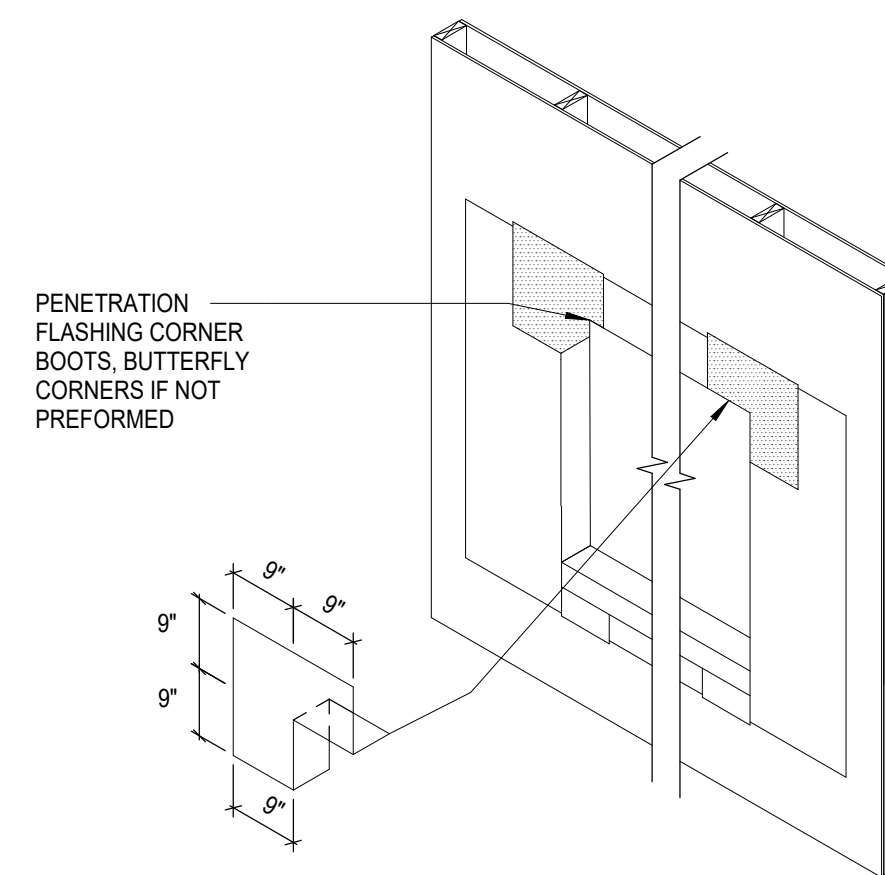


11 STEP K - WEATHER RESISTIVE BARRIER
A6.05 Scale: 1/4" = 1'-0"

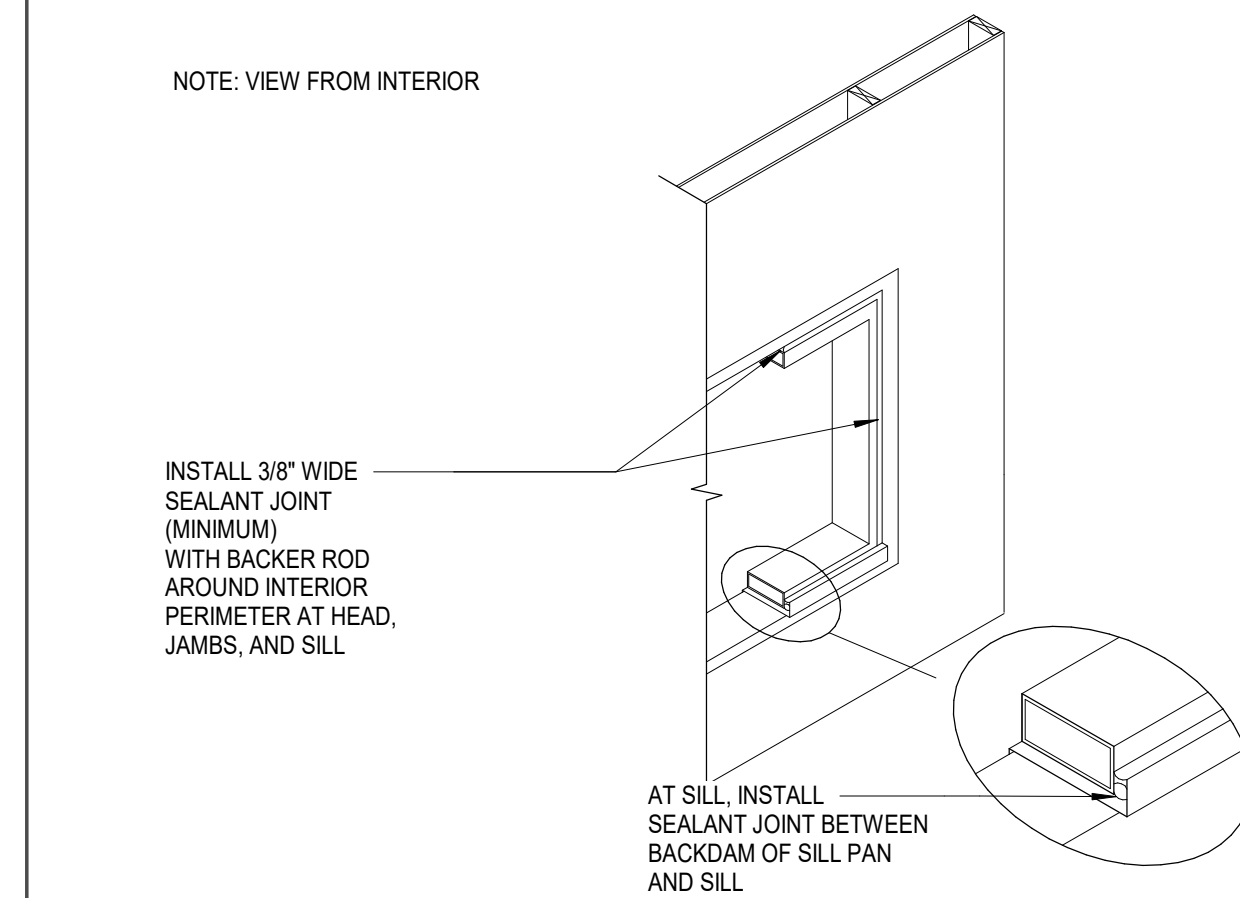
8 WINDOW/CURTAIN WALL INSTALLATION
A6.05 Scale: 1/4" = 1'-0"



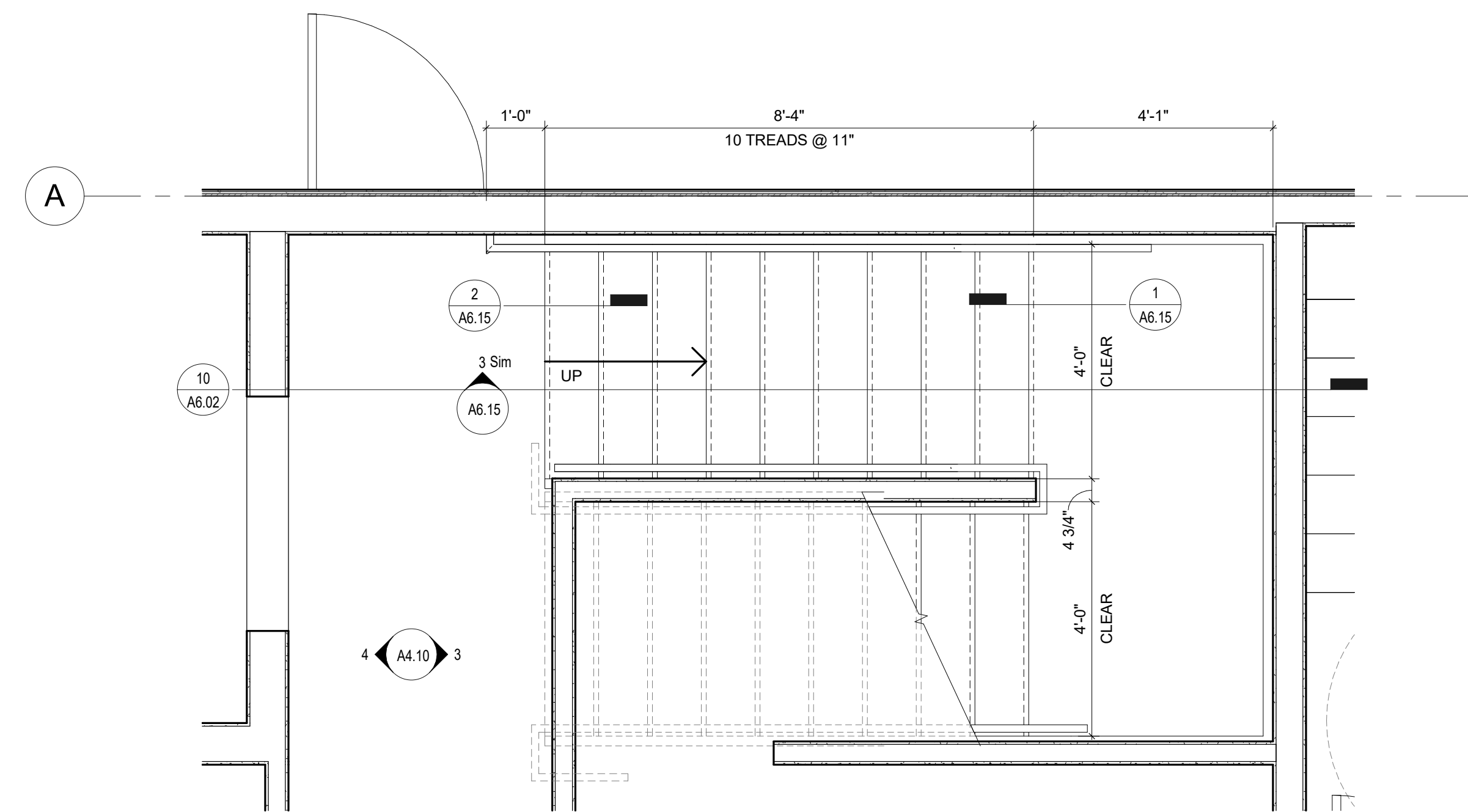
3 STEP C - SILL CORNER BOOTS
A6.05 Scale: 1/4" = 1'-0"



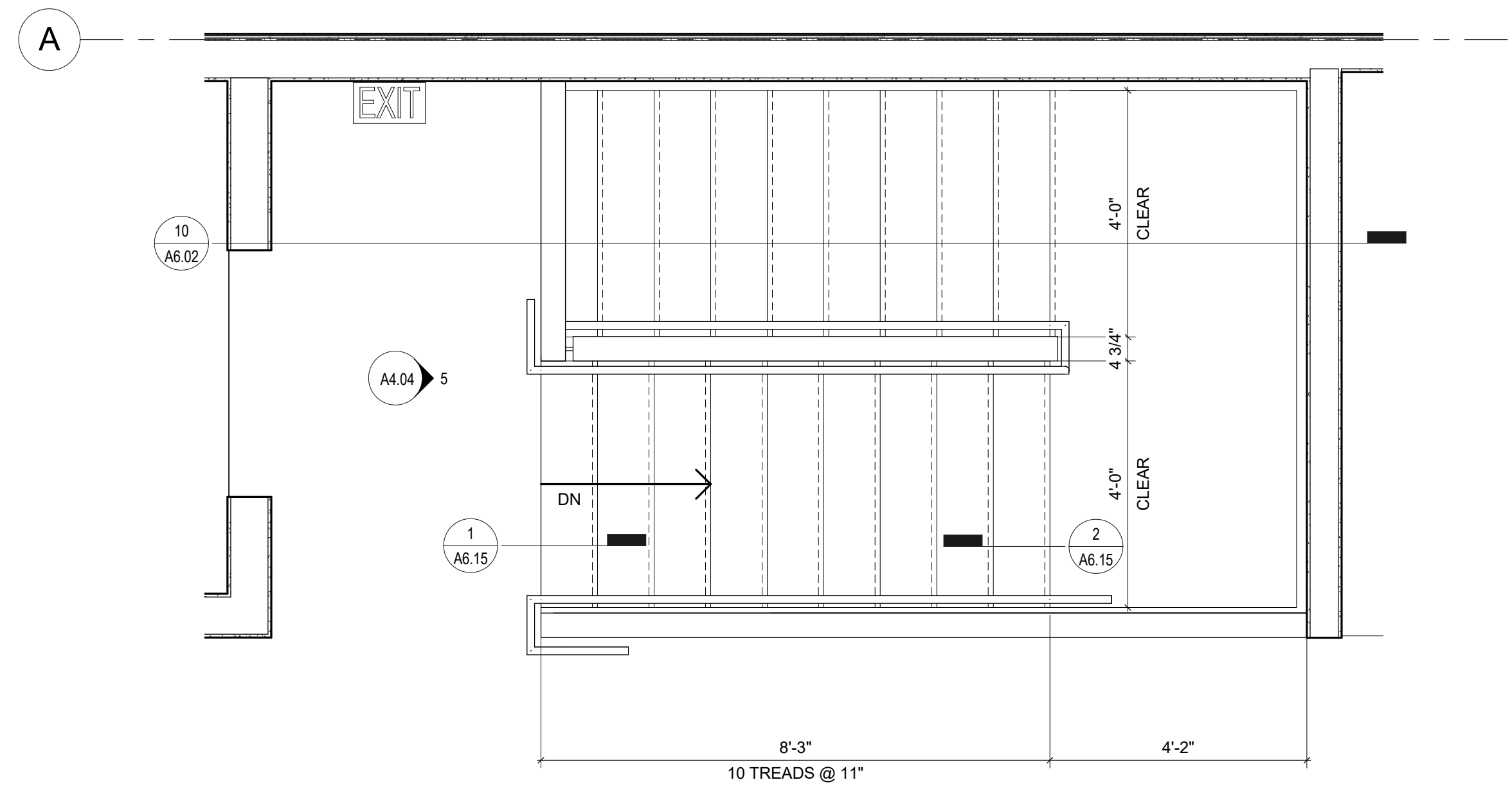
6 STEP F - HEAD CORNER BOOTS
A6.05 Scale: 1/4" = 1'-0"



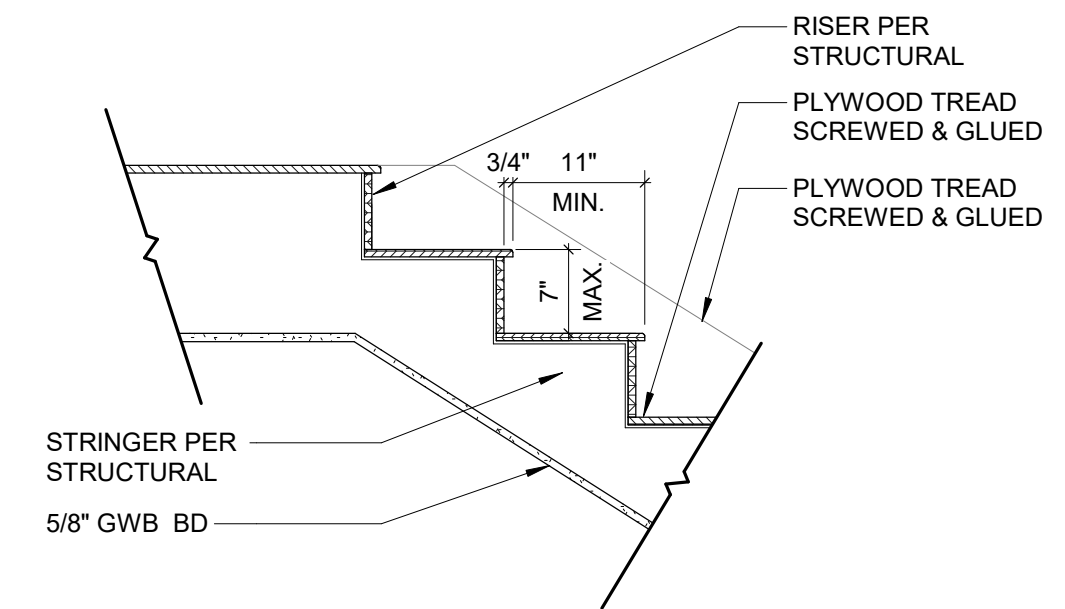
9 STEP I - INTERIOR SEALANT JOINT @ SILL PAN
A6.05 Scale: 1/4" = 1'-0"



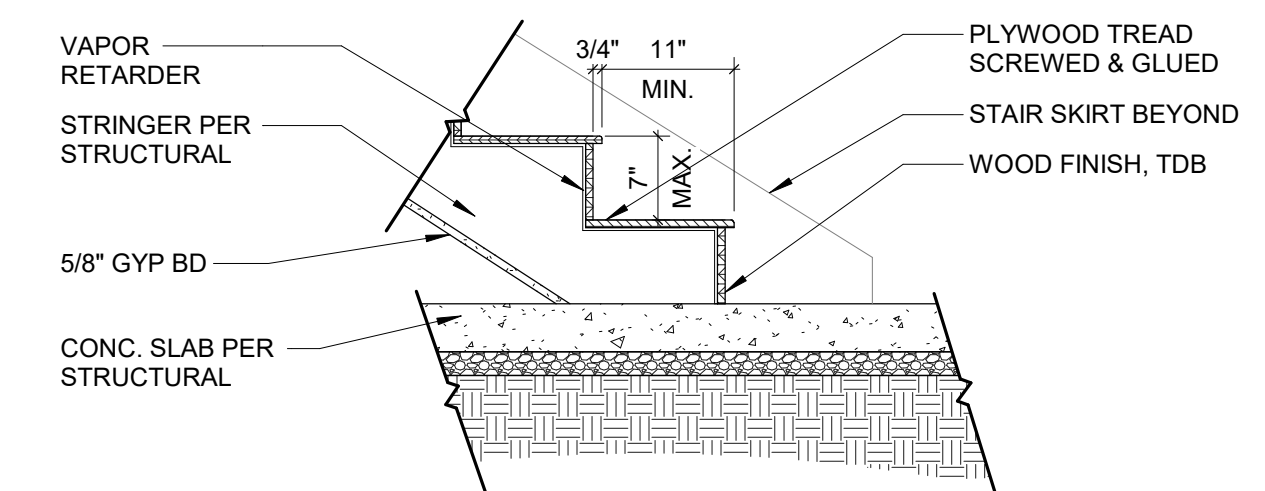
4 ENLARGED STAIR PLAN - LEVEL 01
A6.15 Scale: 1/2" = 1'-0"



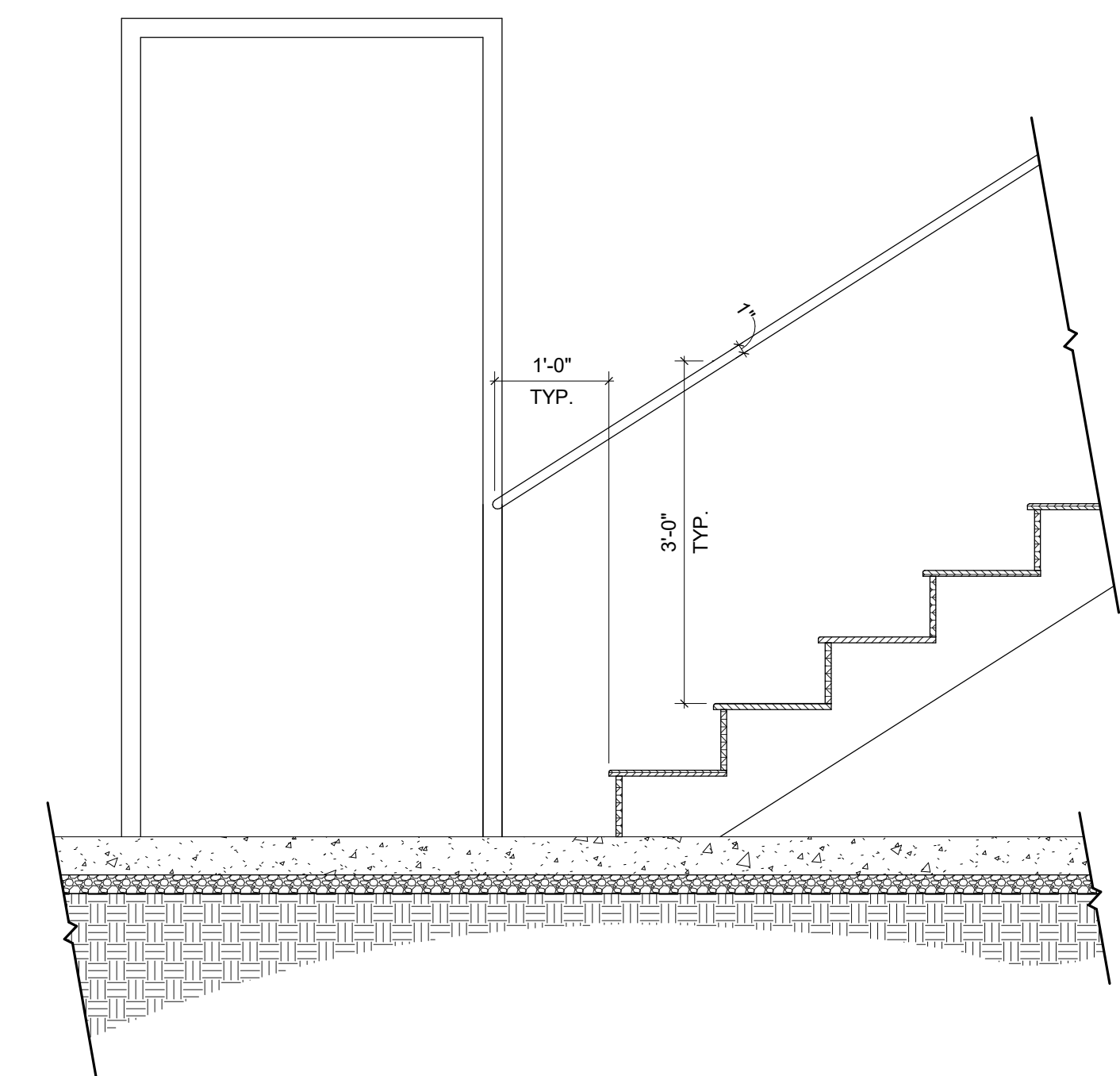
5 ENLARGED STAIR PLAN - LEVEL 02
A6.15 Scale: 1/2" = 1'-0"



1 STAIR LANDING AT TOP LANDING
A6.15 Scale: 3/4" = 1'-0"



2 STAIR AT SLAB ON GRADE
A6.15 Scale: 3/4" = 1'-0"



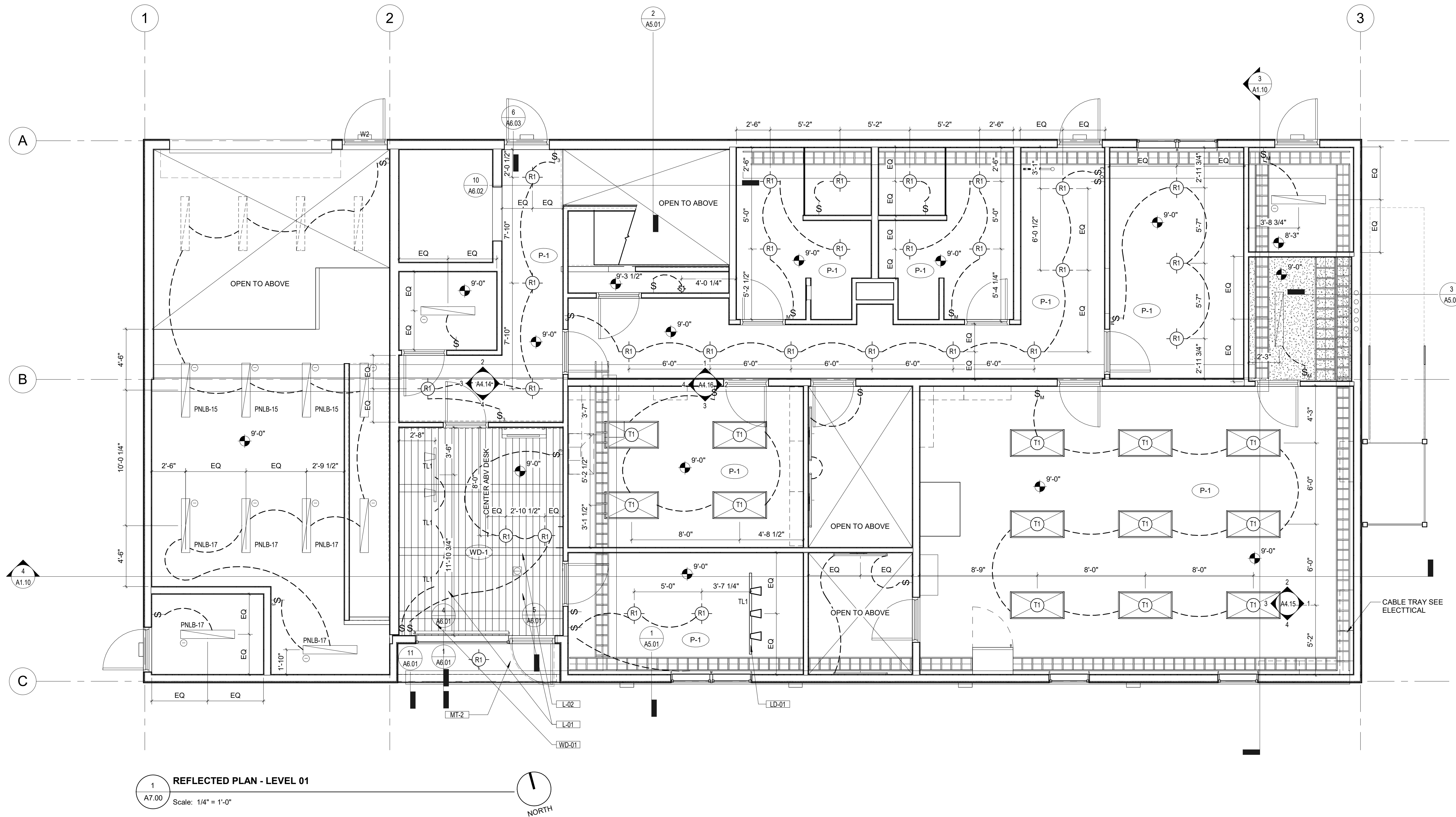
3 HANDRAIL DETAIL
A6.15 Scale: 3/4" = 1'-0"

TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

ISSUE LIST
BID ISSUE 03/21/2024

STAIR ENLARGED
PLAN & DETAILS
A6.15

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1 REFLECTED PLAN - LEVEL 01
A7.00 Scale: 1/4" = 1'-0"

GENERAL NOTES - REFLECTED CEILING PLAN

- HVAC NOISE CRITERIA:
1. DISCHARGE SOUND BASED ON FOLLOWING **ARI 885** ATTENUATION CONDITIONS:
A. ENVIRONMENTAL EFFECT: PER **ARI 885**
B. ROOM EFFECT: 3000 CU. FT. SPACE, 10 FT. FROM SOURCE.
1) 0.5' SP: NC 21
2) 1.0' SP: NC 25
- RADIATED SOUND
A. BASED ON THE FOLLOWING ARI 885 ATTENUATION CONDITIONS:
1) ENVIRONMENTAL EFFECT: PER **ARI 885**
2) DUCT LINING: 5 FT. OF ONE INCH FIBERGLASS
3) END REFLECTION: 8 INCH TERMINATION TO DIFFUSER
4) FLEX DUCT: 5 FT.
B. ROOM EFFECT: 3000 CU. FT. SPACE, 10 FT. FROM SOURCE
1) 0.5' SP: NC 21
- PROVIDE TRAPEZE PIPE HANGERS FOR SUSPENDED PLUMBING PIPE.
- VERIFY FIELD CONDITIONS AND LOCATIONS OF ALL PLUMBING, MECHANICAL, DUCTS, STRUCTURAL ELEMENTS AND ALL OTHER RELATED ITEMS. INSTALL NEW PLUMBING, MECHANICAL, FANS, DUCTS, CONDUITS, AND OTHER RELATED ITEMS SO AS NOT TO CONFLICT WITH ANY/ALL FIELD CONDITIONS INCLUDING LUMINARIES.
- ALL G.W.B. CEILINGS TO BE FINISHED TO LEVEL 4 PER **FA-214**.
- LIGHT FIXTURES NOT LOCATED ON PLAN ARE TO BE CENTERED IN CEILING OF ROOM.

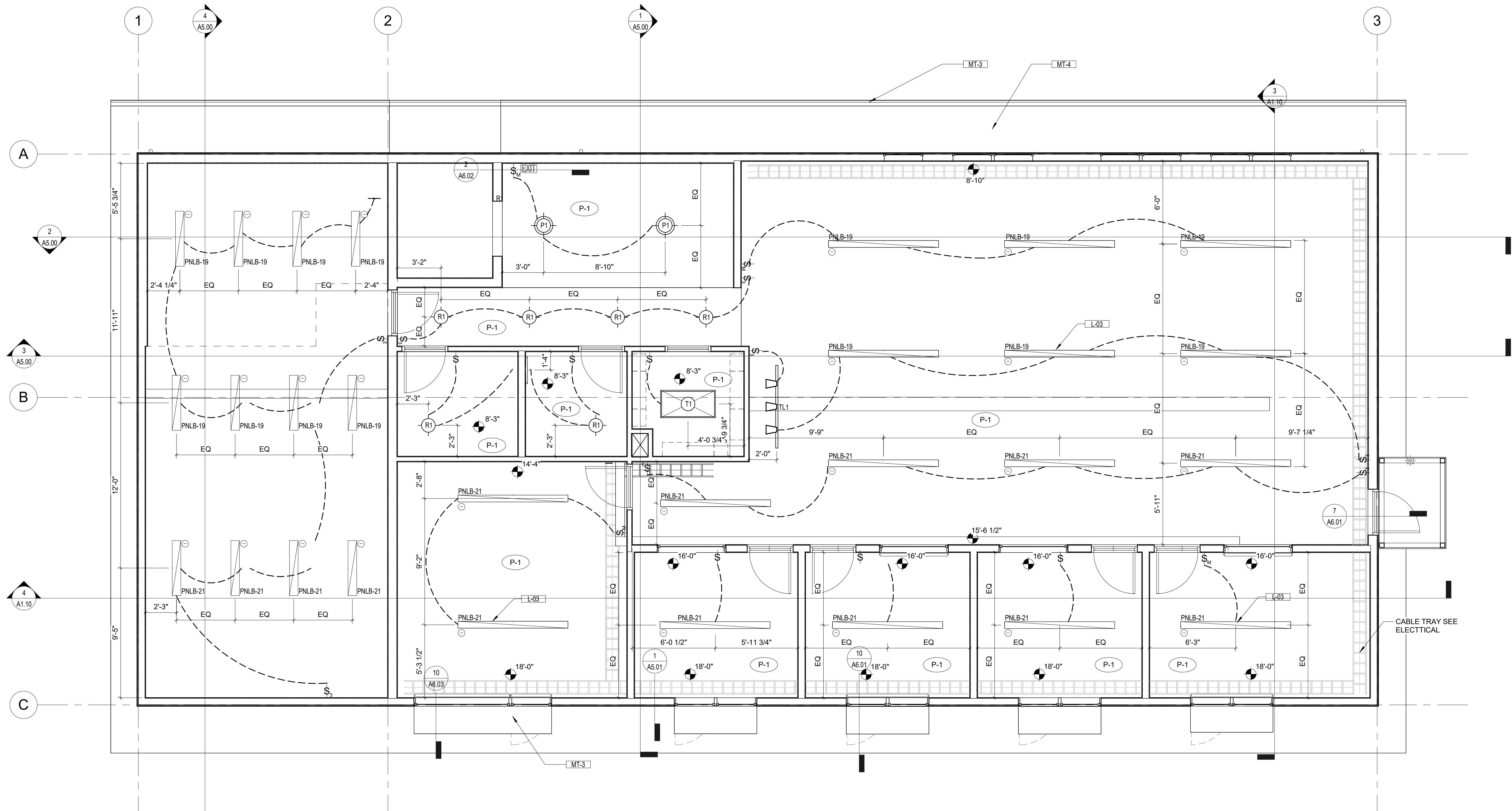
- ALL LAMPS TO HAVE 3500K COLOR TEMPERATURE.
- MULTIPLE SWITCHES AT ONE LOCATION SHALL BE GANGED TOGETHER AND COVERED FINISHED WITH ONE COVER PLATE U.N.O.
- PROVIDE ADDITIONAL SWITCHING CONTROL REQUIRED BY **NREC**.
- LIMIT SWITCH CONTROL TO 80% LOAD OF A 20 AMP CIRCUIT. PER **NREC 1513.2**
- WASHINGTON STATE NON-RESIDENTIAL ENERGY CODE INTERIOR LIGHTING SUMMARY ATTACHED SEPARATELY.
- NOTIFY ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, SPRINKLERS, HVAC, AND/OR EXISTING CONDUIT, PRIOR TO FRAMING FOR LIGHTS. ANY DISCREPANCIES BETWEEN ARCHITECTS PROPOSED CEILING GRID/PANEL LOCATIONS AND ACTUAL FIELD CONDITIONS ARE TO BE CLARIFIED WITH THE ARCHITECT PRIOR TO FRAMING.
- RIM OF CABLE TRAY TO BE PLACED AT 8'-0", ALLOWING FOR 12" CLEAR BETWEEN TOP OF TRAY AND CEILING.
- P1 IN FLAT FOR ALL CEILINGS

GENERAL NOTES - DAYLIGHT ZONES

ALL DAYLIGHTED ZONES AND DAYLIGHT ZONE CONTROLS SHALL COMPLY WITH THE 2018 WASHINGTON STATE ENERGY CODE.
PRIMARY DAYLIGHT ZONE: EXTERIOR WINDOW HEAD HEIGHT x WINDOW WIDTH + 2' ON EITHER SIDE.
SECONDARY DAYLIGHT ZONE: AREA EQUAL IN SIZE TO THE PRIMARY ZONE.
AUTOMATIC DAYLIGHT SENSING CONTROLS SHALL BE CAPABLE OF REDUCING THE LIGHT OUTPUT OF THE CONTROLLED LUMINAIRES WHILE MAINTAINING A UNIFORM LEVEL OF ILLUMINANCE BY **CONTINUOUS DIMMING** TO AT LEAST 20% LIGHT OUTPUT.
DAYLIGHT SENSING CONTROLS SHALL CONTROL ONLY LUMINAIRES WITHIN THE DAYLIGHTED AREA.
AUTOMATIC DAYLIGHT SENSING CONTROLS SHALL INCORPORATE TIME-DELAY CIRCUITS TO PREVENT CYCLING OF LIGHT LEVEL CHANGES OF LESS THAN THREE MINUTES.
DAYLIGHT RESPONSIVE CONTROLS SHALL BE CONFIGURED TO COMPLETELY SHUT OFF ALL CONTROLLED LIGHTS IN THAT ZONE.

LEGEND - REFLECTED CEILING PLAN

	NEW ACOUSTICAL CEILING TILE GRID		2x4' RECESSED LIGHT FIXTURE
	WALL SWITCH (+48")		SURFACE MOUNTED DOWNLIGHT / DIRECTIONAL DOWNLIGHT
	WALL SWITCH W/ OCCUPANCY MOTION SENSOR (+48")		RECESSED DOWNLIGHT / DIRECTIONAL DOWNLIGHT
	3-WAY WALL SWITCH (+48")		PENDANT LIGHT FIXTURE
	WALL SWITCH W/ DIMMER (+48")		WALL SCONCE
	WALL SWITCH W/ TIMER (+48")		TRACK LIGHTING
	WALL SWITCH CONNECTED TO SWITCHED RECEPTACLE (+7" ACH)		UNDER CABINET LIGHTING
	WALL SWITCH FOR GARBAGE DISPOSAL (+7" ACH)		MECHANICAL SUPPLY REGISTER
	MASTER SWITCH (LIGHTING RELAY) TO TURN ON/OFF SELECT LIGHTS		MECHANICAL RETURN REGISTER
	INDICATES SWITCHING		EXHAUST FAN
	CEILING PAINT FINISH (SEE SCHEDULE)		INTERNALLY ILLUMINATED EXIT SIGN
	HEIGHT ABOVE FINISHED FLOOR		INTERNALLY ILLUMINATED EXIT SIGN WITH HORN/SSTROBE
	CABLE TRAY		FIRE SPRINKLER (BIDDER DESIGN)
			30" VANITY LIGHT
			SUSPENDED LIGHT FIXTURE (PNLB 15, PNLB 17, PNLB 19, PNLB 21)



1 REFLECTED PLAN - LEVEL 02
A7.01 Scale: 1/4" = 1'-0"



LEGEND - REFLECTED CEILING PLAN

	NEW ACOUSTICAL CEILING TILE GRID		2'x4' RECESSED LIGHT FIXTURE
	WALL SWITCH (+48")		SURFACE MOUNTED DOWNLIGHT / DIRECTIONAL DOWNLIGHT
	WALL SWITCH W/ OCCUPANCY MOTION SENSOR (+48")		RECESSED DOWNLIGHT / DIRECTIONAL DOWNLIGHT
	3-WAY WALL SWITCH (+48")		PENDANT LIGHT FIXTURE
	WALL SWITCH W/ DIMMER (+48")		WALL SCONCE
	WALL SWITCH W/ TIMER (+48")		TRACK LIGHTING
	WALL SWITCH CONNECTED TO SWITCHED RECEPTACLE (+7" ACH)		UNDER CABINET LIGHTING
	WALL SWITCH FOR GARBAGE DISPOSAL (+7" ACH)		MECHANICAL SUPPLY REGISTER
	MASTER SWITCH (LIGHTING RELAY) TO TURN ON/OFF SELECT LIGHTS		MECHANICAL RETURN REGISTER
	INDICATES SWITCHING		EXHAUST FAN
	CEILING PAINT FINISH (SEE SCHEDULE)		INTERNALLY ILLUMINATED EXIT SIGN
	HEIGHT ABOVE FINISHED FLOOR		INTERNALLY ILLUMINATED EXIT SIGN WITH HORN/STROBE
	CABLE TRAY		FIRE SPRINKLER (BIDDER DESIGN)
			30" VANITY LIGHT
			SUSPENDED LIGHT FIXTURE (PNLB 15, PNLB 17, PNLB 19, PNLB 21)

SEE LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION

ISSUE LIST
BID ISSUE 03/21/2024

MISCELLANEOUS ACCESSORIES & HARDWARE SCHEDULE

THROUGHOUT		
CABINET DOOR PULLS	MFR: HAFELE STYLE: MODERN ZINC #103.84.003 (96mm CTC) FINISH: BRUSHED NICKEL	HANDLES TO BE INSTALLED PER ORIENTATION ON ELEVATIONS
CORNER GUARDS	MFR: ECKSTROM INDUSTRIES, INC STYLE: FULL HEIGHT 1" STAINLESS STEEL CONTACT: GLEN BIRKVOLD (GLEN@ECKSTROMIND.COM)	SEE FINISH PLAN FOR LOCATIONS
WIRE GROMMETS	MFR: MCKETT STYLE: PLASTIC GROMMETS FINISH: TBD	VERIFY LOCATIONS WITH CLIENT
IN-WALL SUPPORTS	STYLE: IN-WALL STEEL SUPPORT BRACKETS FINISH: TBD	CUT BACK BRACKETS A MINIMUM OF 6" FROM FRONT FACE OF COUNTERTOPS
FIRE CABINET	MFR: LARSEN'S MFG STYLE: SEMI-RECESSED EXTINGUISHER CABINET FINISH: SATIN ANODIZED ALUMINUM	DOOR STYLE: SOLID DIECUT LETTERING COLOR: WHITE DIECUT LETTERING STYLE: VERTICAL
RESTROOMS		
GRAB BARS	MFR: BOBRICK STYLE: 1 1/2" DIAMETER GRAB BARS #B-6906X36" #B-6906X42" #B-6906X18" FINISH: SATIN STAINLESS	
TOILET SEAT COVER DISPENSER	MFR: BOBRICK STYLE: SURFACE MOUNTED DISPENSER #B-221 FINISH: SATIN FINISH	
TOILET TISSUE DISPENSER	MFR: BOBRICK STYLE: RECESSED MULTI-ROLL DISPENSER #B-6977 FINISH: SATIN FINISH	
PAPER TOWEL DISPENSER	MFR: BOBRICK STYLE: DISPENSER #B-35903 FINISH: SATIN FINISH	
PAPER TOWEL DISPENSER	MFR: BOBRICK STYLE: SURFACE MOUNTED DISPENSER #B-2620 FINISH: SATIN FINISH	
WC COAT HOOKS	MFR: BOBRICK STYLE: B-985	MOUNT HOOKS PER ADA, UNO PROVIDE IN-WALL BACKING AS NEEDED VERIFY EXACT LOCATIONS WITH CLIENT
MIRROR	MFR: BOBRICK STYLE: B-165-1836 SIZE: SEE ELEVATIONS	INSTALL WITH THIN BRUSHED NICKEL J-CHANNEL AT BOTTOM AND METAL CLIPS AT TOP
PLAM SPLASH GUARD TRIM	MFR: EB BRADLY STYLE: FUTURA INDUSTRIES ALUMINUM TRIM (OR EQUAL); TOP 4 ENDS: #FU-TM61-BA / INSIDE CORNERS: #FU-TM61-BA	
WASTE RECEPTACLE	MFR: BOBRICK STYLE: B-3644	
DECK-MOUNTED SOAP DISPENSER	MFR: BOBRICK STYLE: B-822	
WALL-MOUNTED SOAP DISPENSER	MFR: BOBRICK	
SANITARY NAPKIN DISPOSAL UNIT	MFR: BOBRICK	
TOWEL HOOK	MFR: BOBRICK	
SHOWER CURTAIN ROD	MFR: BOBRICK	
SHOWER CURTAIN	MFR: BOBRICK	
SHOWER CURTAIN HOOKS	MFR: BOBRICK	
UNDER LAVATORY GUARD	MFR: BOBRICK	
UTILITY SHELF	MFR: BOBRICK	
MOP AND BROOM HOLDER	MFR: BOBRICK STYLE: B-223X36	
PAPER TOWEL DISPENSER	MFR: KIMBERLEY CLARK STYLE: IN-SIGHT ELECT-MATIC HRT	

PLUMBING FIXTURES		
MOP BASIN	MFR: ZURN STYLE: Z1996 MOP SINK FINISH: STAINLESS STEEL	JANITOR CLOSET
WASH-UP SINK	MFR: BOBRICK STYLE: JS-122-T WITH JS-47-TGSA FAUCET AND J-35-SSF DRAIN	
WASHBASIN GROUND	MFR: DURAVIT STYLE: #2350800027 / 2350800025 / 2350800028, WALL-MOUNTED WITH FAUCET DECK	
SHED		
PIT FINISH SAFETY RAIL	MFR: SAFETY RAIL COMPANY LLC STYLE: 4" PIT FINISH SAFETY RAIL FINISH: XXX	LEVEL 2 SHED NOT FIXED
PIT SAFETY RAIL	MFR: SAFETY RAIL COMPANY LLC STYLE: 4" PIT SAFETY RAIL FINISH: XXX	LEVEL 2 SHED NOT FIXED
CORNER RAIL	MFR: SAFETY RAIL COMPANY LLC STYLE: ACCU-FIT KIT 6X6" CORNER FINISH: XXX	LEVEL 2 SHED FIXED

GENERAL NOTES - ACCESSORIES & HARDWARE

1. PROVIDE FINISH HARDWARE FOR COMPLETE WORK IN COMPLIANCE WITH ADA. QUANTITIES, WHERE LISTED, ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. VERIFY ALL COUNTS.
2. HARDWARE SHALL BE SUPPLIED BY RECOGNIZED BUILDER'S HARDWARE SUPPLIER. PROVIDE SUBMITTAL FOR APPROVAL.
3. KEYS & KEYING: LOCKS TO BE KEYED ALIKE PER ROOM, UNO. PROVIDE (1) MASTER KEY FOR ALL CABINETS.
4. ALL HARDWARE AND ACCESSORIES TO BE INSTALLED PER ADA REQUIREMENTS, UNO
5. PROVIDE IN-WALL BACKING AS REQUIRED FOR ALL MISCELLANEOUS ACCESSORIES AND HARDWARE.

FINISH SCHEDULE

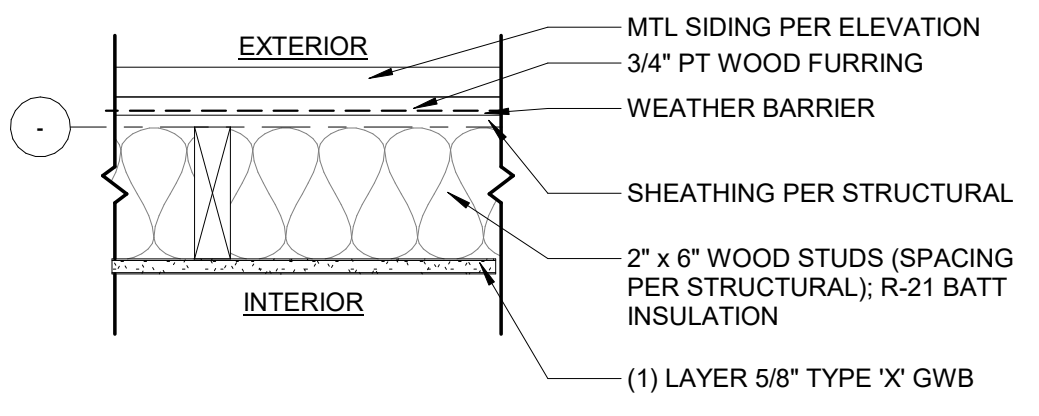
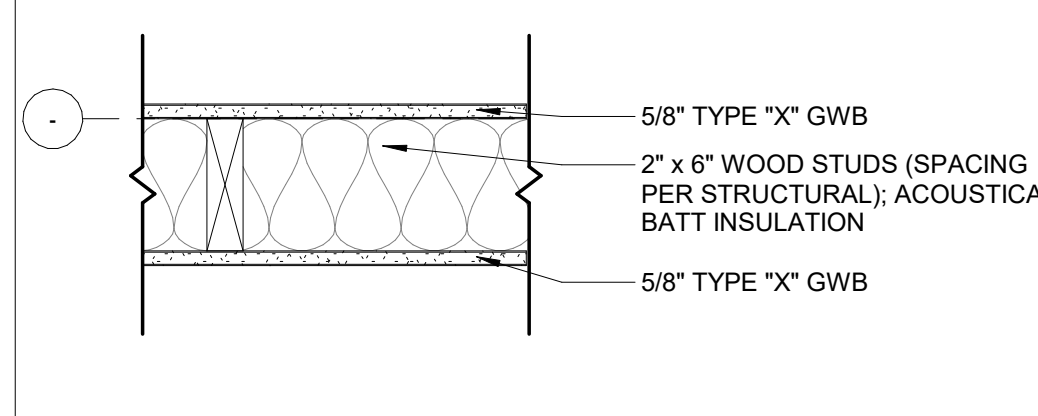
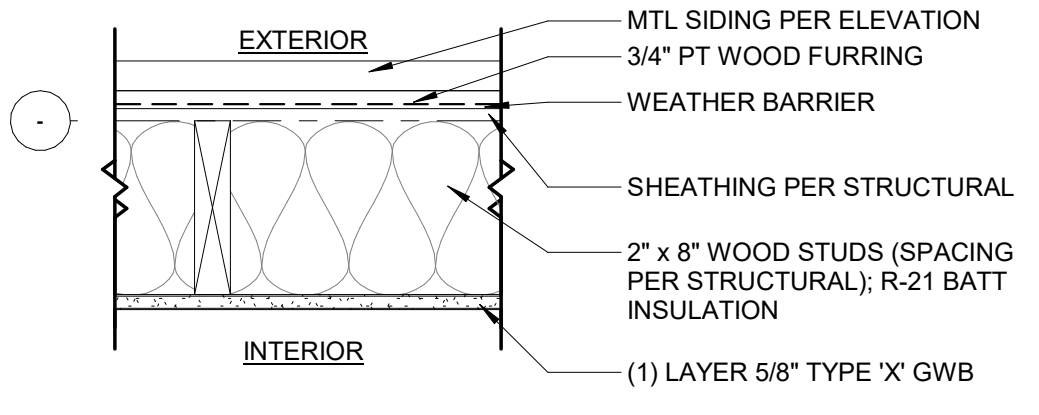
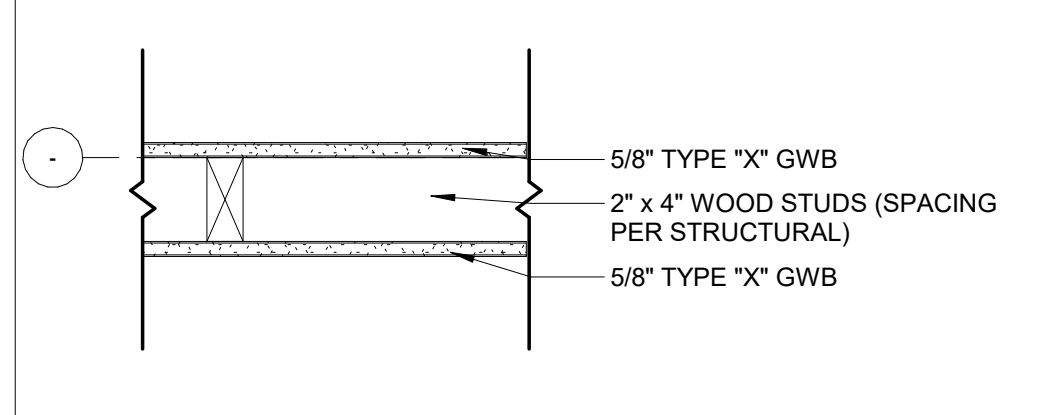
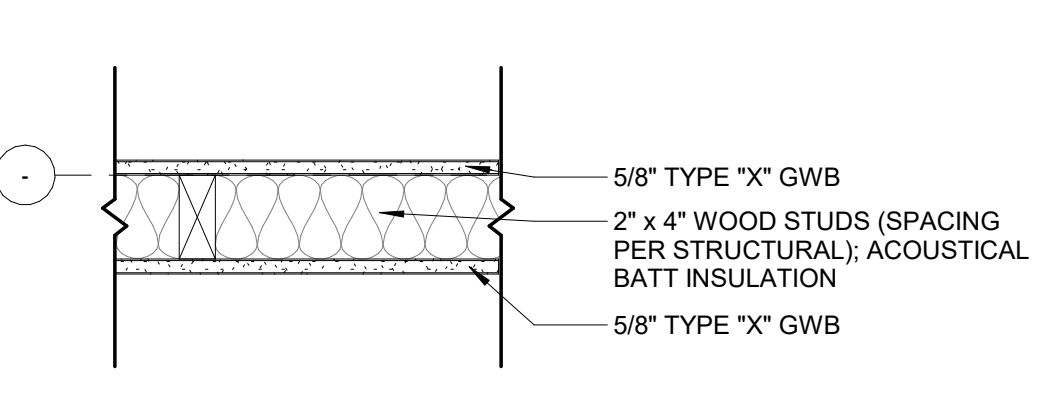
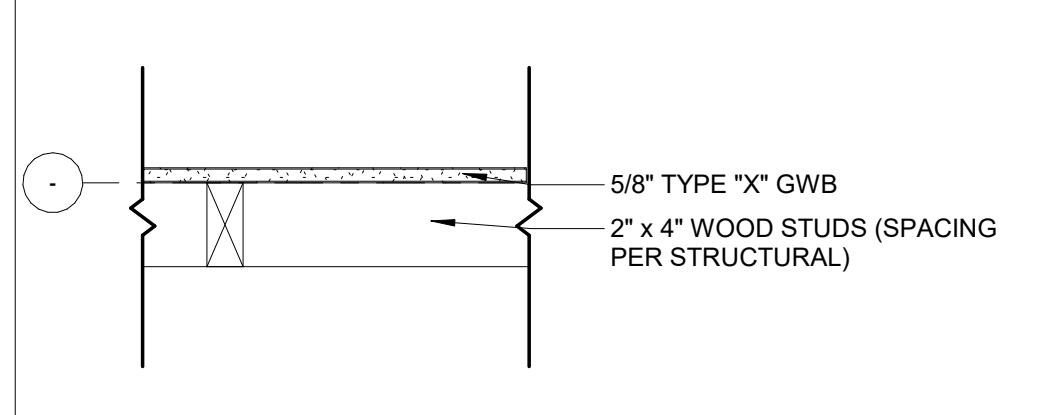
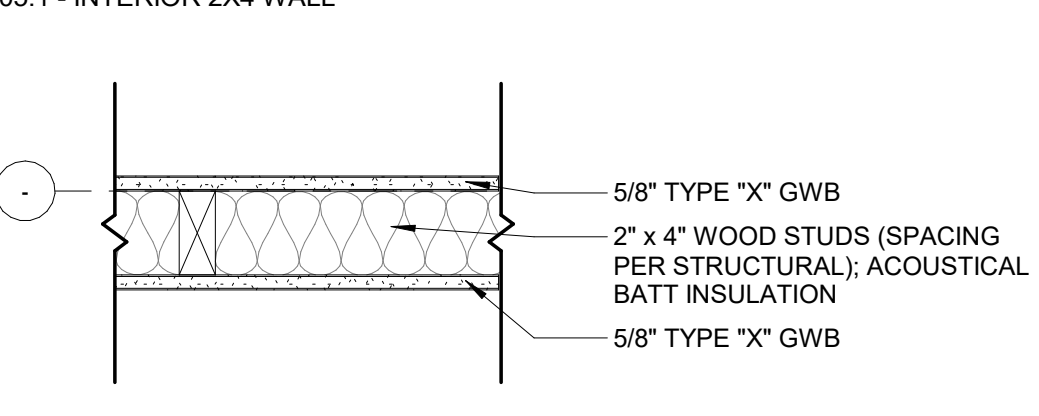
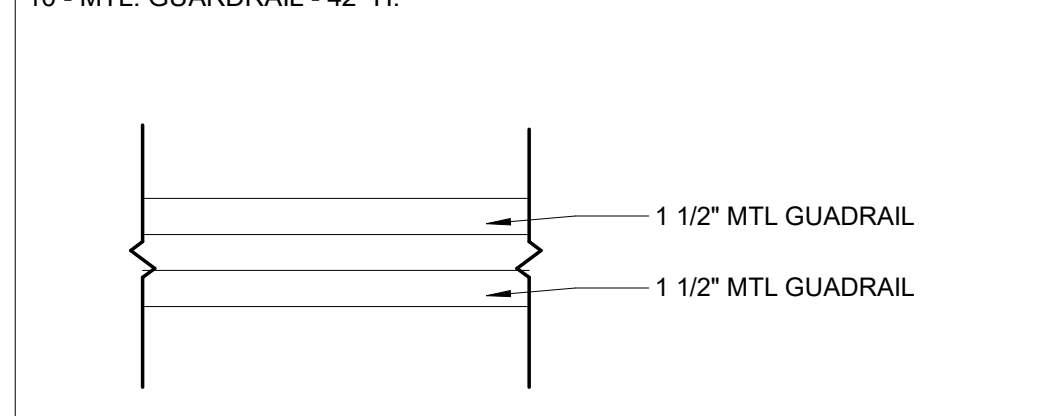
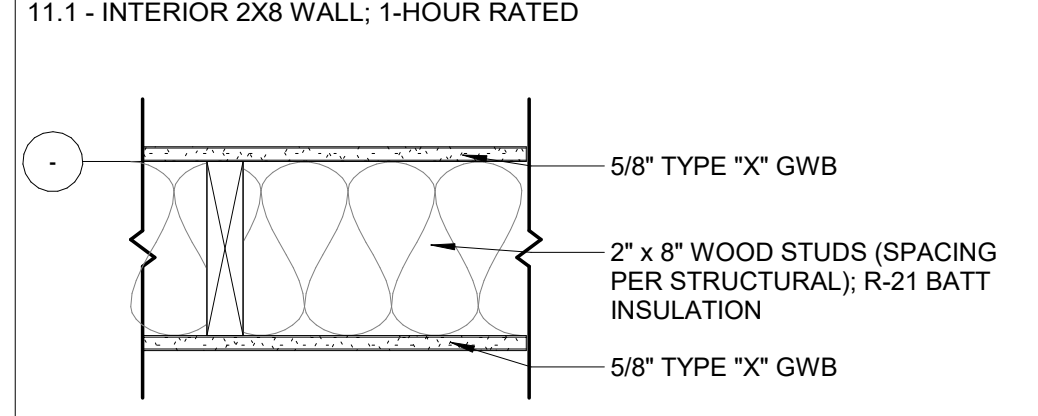
ACOUSTICAL CEILING TILE		
ACT-1	MFR: ARMSTRONG COMMERCIAL CEILING SYSTEM (OR EQUAL), CLASS A STYLE: CIRRIUS S60 PRECL LDE, XL 15"16" SUSPENSION COLOR: WHITE	EDGE: ANGLED TANGULAR
METAL		
MT-1	MFR: AEP SPAN STYLE: FLEX SERIES COLOR: LEAF GREEN CONTACT: JEFFERY MEDEIROS	INSTALL PER MFR RECOMMENDATIONS
MT-2	MFR: AEP SPAN STYLE: FLEX SERIES COLOR: TO BE SELECTED FROM MFR STANDARD COLORS CONTACT: JEFFERY MEDEIROS	LEVEL 2 EXTERIOR
MT-3	MFR: AEP SPAN STYLE: DESIGN SPAN COLOR: MIDNIGHT BRONZE CONTACT: JEFFERY MEDEIROS	LEVEL 2 EXTERIOR
MT-4	MFR: AEP SPAN STYLE: FLUSH PANEL COLOR: TO BE SELECTED FROM MFR STANDARD COLORS CONTACT: JEFFERY MEDEIROS	LEVEL 2 EXTERIOR
PAINT		
PT-01	MFR: BENJAMIN MOORE COLOR: OC-26 - SILVER SATIN FINISH: MAT @ CEILING, EGGHELL @ WALLS	WALL AND CEILING PAINT ALL AREAS ONE COAT PRIMER, TWO COATS PAINT
PT-02	MFR: SHERWIN WILLIAMS COLOR: SW6991 - BLACK MAGIC FINISH: SEMI-GLOSS @ DOORS & TRIM & WET AREAS	DOOR PAINT ALL AREAS (UNO) ONE COAT PRIMER, TWO COATS PAINT
PT-03	MFR: BENJAMIN MOORE COLOR: HC-158 NEWBURG GREEN FINISH: EGGHELL @ WALLS	ACCENT WALL PAINT OFFICES ONE COAT PRIMER, TWO COATS PAINT
PLASTIC LAMINATE		
PL-1	MFR: VENEER ART STYLE: 974-RG BROWN ANNIGRE FINISH: RIFT GRAIN FINISH CONTACT: JOAN ASKEN - 425-283-2228	CABINET AND DOOR LAMINATE LOBBY / BILLING ROOM QUARTER CUT / SLIP MATCH, 8' X 10' SHEETS
PL-2	MFR: PIONITE COLOR: WHITE FINISH: FRL SUEDE - FS587 CONTACT: SAMANTHA MOON - 360-710-3787	FRL CORRIDOR AND ROOM WALLS 1ST LEVEL
PL-4	MFR: PER GC FINISH: WHITE SMOOTH, FRP, 4' X 8' SHEETS, CLASS A CONTACT: SAMANTHA MOON - 360-710-3787	
PL-5	MFR: WILSONART DESIGNER WHITE STYLE: #D354 FINISH: W/ ANTI-MICROBIAL FINISH	
PL-6	MFR: WILSONART PREMIUM STYLE: LAMINATE REVEAL IN WHITE FOREST, W/ MDF BACKING	
PL-7	MFR: MOZ DESIGNS STYLE: ALUMINUM FACING, BLENDS PATINA COLLECTION IN 212, W/ MDF BACKING	
STONE		
ST-1	MFR: CAMBRIA COLOR: IRONSBRIDGE FINISH: POLISHED - ZCM CONTACT: ALISHA MCFARLAND - 206-409-3870	QUARTZ COUNTERTOP LOBBY / BILLING ROOM
RESILIENT BASE		
RB-1	MFR: JOHNSONITE MODEL: THERMOSET - TS FINISH: BLACK CONTACT: NORA VIVARELLI - 206-409-3870	ALL (UNO) 4" BASE, 4" W/TOE (NOT USED ON CEDAR WALL)
TILE		
TL-1	MFR: CROSSVILLE COLOR: SHADES 2.0 - SHD45 CLAY FINISH: UPS, SIZE 24" X 24" CONTACT: LISA ANDERSON - 206-730-3394	FLOOR TILE BATHROOMS 1/8" GROUT, LATICRETE SPECTRALOC - 24 NATURAL GREY
TL-2	MFR: CROSSVILLE COLOR: SHADES 2.0 - SHD45 CLAY FINISH: SPO, SIZE 12" X 24" CONTACT: LISA ANDERSON - 206-730-3394	WALL TILE BATHROOMS 1/8" GROUT, LATICRETE SPECTRALOC - 24 NATURAL GREY
WOOD / WOOD VENEER SCHEDULE		
WD-1	MFR: REAL CEDAR COLOR: T&G SMOOTH V-JT FACE FINISH: CEDAR PANELING - KILN DRIED #WRCLA, CLASS A FINISH CONTACT: REAL CEDAR - 877-316-8845	WESTERN RED CEDAR LOBBY HORIZONTAL INSTALLATION
WD-2	MFR: TABU COLOR: SATIN CLEAR COAT FINISH: MN 28 021 CONTACT: MATERIALS INC. - 201-968-0101	FRP RECEPTION 2 COATS POLYURETHANE TOP COAT, SATIN FINISH
DECORATIVE HARDWARE		
HD-01	MFR: AMEROCK REVOLVE 3-3/4" COLOR: CABINET PULL IN SATIN NICKEL	
HD-02	MFR: AMEROCK REVOLVE 3-3/4" COLOR: CABINET PULL IN MATTE BLACK	

FLOORING		
FL-01	MFR: MOHAWK MODEL: LARGE AND LOCAL FINISH: 855 BLY	LVT PLANK FLOORING ALL AREAS
FL-02	MFR: ROPPE MODEL: RUBBER TREAD #95 HAMMERED FINISH: 193-BLACK BROWN	RUBBER SHEET FLOORING STAIRS STAIR NOSING TO MATCH
FL-03	MFR: PER GC COLOR: DCOF OF 42 OR GREATER FINISH: ANTI-SLIP, HONED FINISH	SEALED CONCRETE LAB, CORRIDOR, LOCKERS
FL-04	MFR: PER GC COLOR: CHARCOAL GREY, OR SIMILAR FINISH: ANTI-SLIP	EPOXY FLOORING SHED LEVEL 2
FL-05	MFR: 304 S/S INTEGRATED MODEL: 16 GA. TOP AND 4" SPLASH	EPOXY FLOORING SHED LEVEL 2
FL-06	MFR: INTERFACE MODEL: OPEN AIR 410	CARPET TILE OFFICE LEVEL 2
DECORATIVE LIGHTING		
L-01	MFR: TECH LIGHTING MODEL: BURK HEAD 700MORK9303506B FINISH: BLACK/ SATIN NICKEL CONTACT: SEA-TAC LIGHTING - 206-575-6865	DECORATIVE TRACKHEAD / SYSTEM LOBBY / BILLING ROOM REQUIRED COMPONENTS: MONORAIL #700MOA / ADJ. STANDOFF #700MSADJ / 4; CANOPY #700MOP4C02 / END CAPS #700MOCCAP / FLEX CONNECTORS #700MOCCFXH
L-02	MFR: TECH LIGHTING MODEL: WINDSOR PENDANT 700MOWDSBS-LED930 FINISH: BLACK / SATIN NICKEL CONTACT: SEA-TAC LIGHTING - 206-575-6865	DECORATIVE TRACK PENDANT LOBBY / BILLING ROOM MONOPOINT SYSTEM
L-03	MFR: ALCON STYLE: ADJUSTABLE LED TUBE PENDANT #12100-R2-PD12-1-8-35K-010-BK-AQC8-5-9 FINISH: BLACK CONTACT: CUSTOMER SERVICE - 310-733-1248	ADJUSTABLE TUBE LIGHT PENDANT 2ND FLOOR OFFICES ADD: EM10 FOR EMERGENCY BACKUP OR OS FOR OCCUPANCY SENSOR
L-04	MFR: SONNOMAN MODEL: FINO LED BATH BAR #3773.25 FINISH: SATIN BLACK CONTACT: SEA-TAC LIGHTING - 206-575-6865	BATH VANITY SCONCE ALL RESTROOMS
WALL COVERING		
WC-01	MFR: LAMIN-ART STYLE: RIFT-GRAIN FINISH COLOR: 974-RG BROWN ANNIGRE	ACCENT WALL COVERING OPEN OFFICE STRAIGHT HANG/ STRAIGHT MATCH

TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

ISSUE LIST
BID ISSUE 03/21/2024

A9.00 - PRINTED: 20250324 11:48:25 AM

SYMBOL	DESCRIPTION	REMARKS	RATING	SYMBOL	DESCRIPTION	REMARKS	RATING
01	01 - EXTERIOR 2X6 WALL; GWB/ R-21 INSUL / METAL SIDING 		NON-RATED	07	07 - INTERIOR 2X6 WALL 		NON-RATED
02	02 - EXTERIOR 2X8 WALL; GWB/ R-21 INSUL / METAL SIDING 		NON-RATED	08	08 - INTERIOR 2X4 WALL; PARTIAL HEIGHT 	PARTIAL-HEIGHT	NON-RATED
05	05 - INTERIOR 2X4 WALL 		NON-RATED	09	09 - INTERIOR FURRING 2X4 WALL 		NON-RATED
05.1	05.1 - INTERIOR 2X4 WALL 		1-HOUR	10	10 - MTL. GUARDRAIL - 42" H. 	REMOVABLE	NON-RATED
				11.1	11.1 - INTERIOR 2X8 WALL; 1-HOUR RATED 		1HR. RATED

WALL SCHEDULE GENERAL NOTES

- WALL TAGS ARE NOTED ON THE FLOOR PLANS AND SECTIONS.
- FIRE RATED ASSEMBLIES ARE BASED ON IRC, UL, OR US GYPSUM ASSOC. (GA) TEST DATA & ARE TO BE CONSTRUCTED IN ACCORDANCE W/ THE REQUIREMENTS OF THE TESTING AGENCIES. REFER TO SPECIFIC TEST REPORTS INDICATED FOR REQ'D COMPONENTS & ASSEMBLY. EXTENTS OF ASSEMBLIES ARE SHOWN ON THE PLANS. FIRE RATED PARTITIONS FORM A SEPARATION THAT SHALL BE CONTINUOUS, FROM FLOOR TO STRUCTURE ABOVE WITH NO BREAKS AT COLUMNS, WALL TRANSITIONS, OR OTHER OBSTRUCTIONS. ALL PENETRATIONS IN FIRE RATED PARTITIONS SHALL BE FIRESTOPPED OR PROVIDED W/ APPROVED SMOKE AND/OR FIRE DAMPERS.
- SUBSTITUTE WATER RESISTANT GWB AT BATHROOMS AND AT SIMILAR "WET" USES.
- SUBSTITUTE CEMENT BACKER BOARD AT TILE FINISHES WHERE PERMITTED AT LISTED ASSEMBLIES.
- BLOCKING IS REQ'D AT THE FOLLOWING LOCATIONS: CASEWORK, SHELVING, AND PANELING; ACCESSORIES AND EQUIPMENT; DOOR HARDWARE; BATHROOM ACCESSORIES; AND OTHER LOCATIONS WHERE REQ'D PER MANUFACTURER'S RECOMMENDATIONS OR INDUSTRY STANDARDS.
- OUTLET BOXES ON OPPOSITE SIDES OF PARTITIONS TO BE SPACED APART MIN. 24".
- FASTENERS FOR GYPSUM SHEATHING OVER WOOD SHEATHING AT SHEARWALLS NEEDS TO INCREASE BY 1/2". SEE STRUCTURAL DRAWINGS FOR MORE DETAIL.

WALL ACOUSTICAL GENERAL NOTES

- PARTITIONS SURROUNDING RESTROOM & LOCKER ROOMS SHALL BE SEALED AT FLOOR AND CEILING PLATES WITH A RESILIENT ACOUSTICAL SEALANT.
- CAULK ALL PIPE, CONDUIT, DUCT OR SIMILAR PENETRATIONS THROUGH PARTITIONS WITH RESILIENT SEALANT.
- WHERE TWO OR MORE LAYERS OF GWB ARE USED, VERTICAL, AND HORIZONTAL JOINTS SHALL BE STAGGERED.
- ACOUSTICAL INSULATION SHALL BE UN-FACED AND SECURED TO STRUCTURE TO PREVENT SAGGING.

TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

FLOOR SCHEDULE

SYMBOL	DESCRIPTION	REMARKS	RATING
	<p>UNRATED FLOOR - CEILING ASSEMBLY - 24" TRUSS</p> <p>FINISH FLOOR - SEE FINISH PLAN 1 1/2" LIGHTWEIGHT CONC. 1 1/8" T&G PLYWOOD DECKING PER STRUCTURAL 24" TRUSS PER STRUCTURAL 5/8" SUSPENDED GWB CEILING</p>	TO BE USED SOUTH OF GRID LINE B - SEE STRUCTURAL	NON-RATED
	<p>UNRATED FLOOR - CEILING ASSEMBLY - 20" TRUSS</p> <p>FINISH FLOOR - SEE FINISH PLAN 1 1/2" LIGHTWEIGHT CONC. 1 1/8" T&G PLYWOOD DECKING PER STRUCTURAL 20" TRUSS PER STRUCTURAL 5/8" SUSPENDED GWB CEILING</p>	TO BE USED NORTH OF GRID LINE B	NON-RATED
	<p>UNRATED FLOOR - CEILING ASSEMBLY - EPOXY FLOOR COATING SYSTEM</p> <p>FINISH FLOOR - SEE FINISH PLAN EPOXY FLOOR COATING SYSTEM 3/4" PLYWOOD 1 1/8" T&G PLYWOOD DECKING PER STRUCTURAL I-JOIST PER STRUCTURAL</p>	TO BE USED 2ND LEVEL FOR "SHED" AREA	NON-RATED
	<p>SLAB ON GRADE - FINISHED</p> <p>FINISH FLOOR PER SCHEDULE CONCRETE SLAB PER STRUCTURAL VAPOR BARRIER R-10 RIGID INSULATION UNDER SLAB & EDGE PERIMETER, EXTEND 24" PAST HEATED SPACE 4 INCH CAPILLARY BREAK PER GEOTECH REPORT COMPACTED SUBGRADE PER GEOTECH REPORT</p>		
	<p>LOBBY CEILING - FLOOR ASSEMBLY</p> <p>1'-11" FINISH FLOOR - SEE FINISH PLAN 1 1/2" THICK LIGHTWEIGHT CONC. 1 1/8" T&G PLYWOOD DECKING 2 x 6 T&G TIMBER DECKING GLU-LAM FRAMING PER STRUCTURAL</p>		

ROOF SCHEDULE

SYMBOL	DESCRIPTION	REMARKS	RATING
	<p>ROOF - AT OVERHANG</p> <p>PRE-FINISHED METAL ROOF WEATHER BARRIER 3/4" T&G PLYWOOD DECKING MIN. 1-1/2" CLEAR (VENTILATION) DBL. 2X4 OUTRIGGERS PER STRUCTURAL METAL PANEL SOFFIT PER RCP</p>	2 X 4 DOUBLE TOP CHORD OF TRUSS CONTINUES OUT TO ROOF OVERHANG	1-HOUR
	<p>ROOF - METAL FINISH</p> <p>PRE-FINISHED METAL ROOF WEATHER BARRIER 3/4" T&G PLYWOOD DECKING MIN. 1-1/2" CLEAR (VENTILATION) 36" RED-M OPEN WEB TRUSS WITH R-49 FIBERGLASS INSULATION, SPACING PER STRUCTURAL 2 X 2 FURRING 5/8" TYPE "X" GWB</p>		1-HOUR

DOOR SCHEDULE

ROOM NAME	DOOR TYPE	LEAF QUANTITY	WIDTH	HEIGHT	THK.	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	FIRE RATING	HARDWARE GROUP	NOTES	REVISIONS
100A LOBBY	RHR	1	3'-0"	7'-0"	1 3/4"	ALUM	KYNAR/GL	ALUM	KYNAR	--	01	STOREFRONT	
100B LOBBY	LH	1	3'-0"	7'-0"	1 3/4"	WD	STN/LAQ	HM	PT	--	09	NARROW LITE	
101 BILLING OFFICE	LH	1	3'-0"	7'-0"	1 3/4"	WD	PT	HM	PT	--	08	GLASS	
102 BREAKROOM	LH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	13	NARROW LITE	
103 LAB STORAGE	LH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	13	FLUSH	
104 JANITOR CLOSET	RH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	15	FLUSH	
105 LABORATORY	LH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	16	NARROW LITE	
106 DATA	RHR	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	09	FLUSH	
107 ELEC.	LHR	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	06	FLUSH	
108 CORRIDOR	RH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	17	GLASS	
109 MUD ROOM	LHR	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	05	FLUSH	
110 CORRIDOR	RH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	11	NARROW LITE	
111 WOMEN'S LOCKER RM	RH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	14	FLUSH	
112 MEN'S LOCKER RM	LH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	14	FLUSH	
113 STORAGE	LHR	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	12	FLUSH	
114 HALL	RHR	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	04	FLUSH	
115 ELEV. MACHINE ROOM	LHR	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	10	FLUSH	
116A SIDE SHED	LHR	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	03	NARROW LITE	
118 FIRE ROOM	LH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	00		
119 PRESSURE WASHER ROOM	DBL	2	6'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	--		
201 MEN'S RR	RH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	14	FLUSH	
202 WOMEN'S RR	LH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	14	FLUSH	
203 COPY RM	CASED OPNG	1	3'-0"	7'-0"	1 3/4"	-	-	HM	PT	--	--	CASED OPENING	
204 CONFERENCE ROOM	RH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	20	NARROW LITE	
205 PRIVATE OFFICE	LH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	21	NARROW LITE	
206 PRIVATE OFFICE	RH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	21	NARROW LITE	
207 PRIVATE OFFICE	LH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	21	NARROW LITE	
208 PRIVATE OFFICE	RH	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	17	NARROW LITE	
209 OPEN OFFICE	LHR	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	07	FLUSH	
210 HALL	RHR	1	3'-0"	7'-0"	1 3/4"	HM	PT	HM	PT	--	18	NARROW LITE	

GENERAL NOTES - DOOR HARDWARE

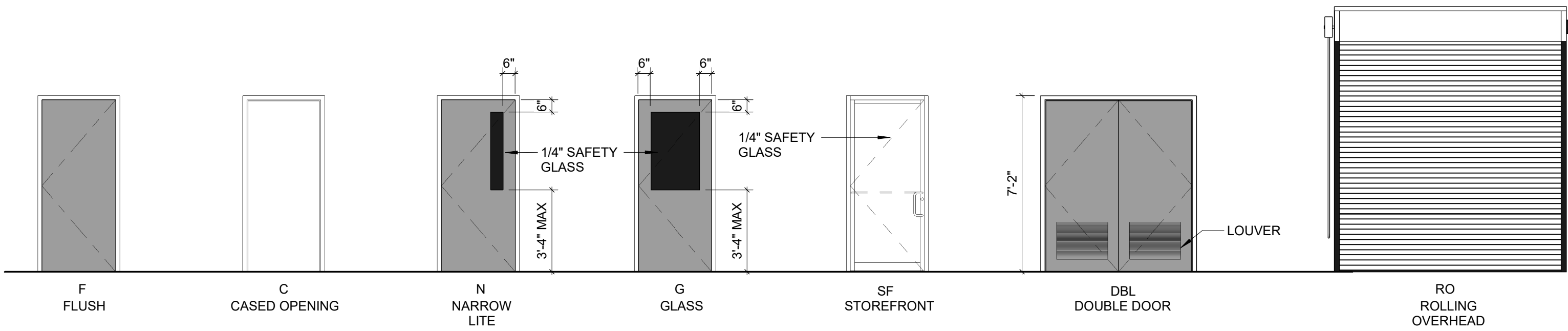
1. PROVIDE STANDARD WEIGHT COMMERCIAL DOOR HINGES.
2. ALL DOORS WITH CLOSERS TO HAVE BALL BEARING HINGES.
3. PROVIDE ALL NECESSARY ITEMS FOR DOORS, INCLUDING: BUTTS, LATCH & LOCKSETS, CLOSERS, DOOR STOPS AND HOLDERS, KICK PLATES, DOOR SILENCERS, THRESHOLDS, SMOKE GASKET AND WEATHER STRIPPING. REFER TO DOOR SCHEDULE.
4. ALTERNATE MANUFACTURERS MAY BE SELECTED WITH DESIGNER'S APPROVAL.
5. VERIFY ALL HARDWARE MEETS CODE REQUIREMENTS PER JURISDICTION.
6. SEE DIVISION 087100 SPECIFICATIONS FOR DOOR HARDWARE.

GENERAL NOTES - DOORS

1. ALL DOOR HARDWARE TO MEET REQUIREMENTS OF **2018 IBC WITH WASHINGTON STATE AMENDMENTS** AND OWNER'S BUILDING REQUIREMENTS.
2. ALL FIRE-RATED DOORS AND FRAMES SHALL COMPLY WITH THE **2018 IBC WITH WASHINGTON STATE AMENDMENTS**.
3. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. ALL LOCKING DOORS TO HAVE SINGLE-ACTION LEVER RELEASE / SELF-RELEASING DEAD BOLTS.
4. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS SHALL HAVE A LEVER OR OTHER SHAPE TO PERMIT OPERATION BY WRIST OR ARM PRESSURE AND WILL NO REQUIRE TIGHT GRASPING, PINCHING OR TWISTING TO OPERATE.
5. DOOR THRESHOLD SHALL NOT EXCEED 1/2" IN HEIGHT.
6. HARDWARE TO MATCH BUILDING STANDARD TYPE AND FINISH.
7. MAXIMUM DOOR OPENING PRESSURES ARE LIMITED TO 8.5 LBS AT EXTERIOR DOORS AND 5.0 LBS AT INTERIOR DOORS.
8. VERIFY ALL DOOR SWINGS, HARDWARE, AND KEYING REQUIREMENTS. SUBMIT KEYING SCHEDULE AND HARDWARE SPECS FOR DESIGNER APPROVAL.
9. PROVIDE ACCESSIBLE RESTROOM SIGNAGE W/ TACTILE CHARACTERS. SIGNAGE SHALL BE INSTALLED 48" - 60" ABOVE FINISHED FLOOR PER CODE. RESTROOM SIGNAGE SHALL COMPLY WITH **2018 IBC WITH WASHINGTON STATE AMENDMENTS** AND ICC/ANSI. **SEE DETAIL XX / XX.XX**
10. MAIN EXTERIOR DOOR OR DOORS TO HAVE A READILY VISIBLE URABLE SIGN POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED. THE SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND.
11. ALL GLAZING IN DOORS AND RELITES TO BE TEMPERED GLASS AND SHALL MEET THE SAFETY GLAZING REQUIREMENT OF THE **2018 IBC WITH WASHINGTON STATE AMENDMENTS** AND OWNER'S BUILDING REQUIREMENTS.
12. PROVIDE 1/4" MAXIMUM CLEARANCE BETWEEN DOOR AND FLOOR FINISH MATERIAL.
13. NEW WOOD DOORS AND TRIM TO BE STAINED PER FINISH SCHEDULE.
14. NEW PAINT-GRADE DOORS AND PAINT-GRADE POPLAR TRIM TO BE PAINTED WITH XX-XX LATEX ENAMEL IN A SEMI-GLOSS FINISH.
15. NEW METAL DOORS AND TRIM TO BE PAINTED WITH XX-XX LATEX ENAMEL IN A SEMI-GLOSS FINISH.
16. EXTERIOR DOORS TO COMPLY WITH PRESCRIPTIVE VALUES OF APPENDIX A, 2018 WSEC FOR COMMERCIAL BUILDINGS.

DOOR TYPES

ALL DOOR AND FRAME MATERIALS TO BE DESIGNATED WITHIN THE DOOR SCHEDULE
ALL DOOR WIDTHS AND HEIGHTS TO BE DESIGNATED WITHIN THE DOOR SCHEDULE



DOOR HARDWARE

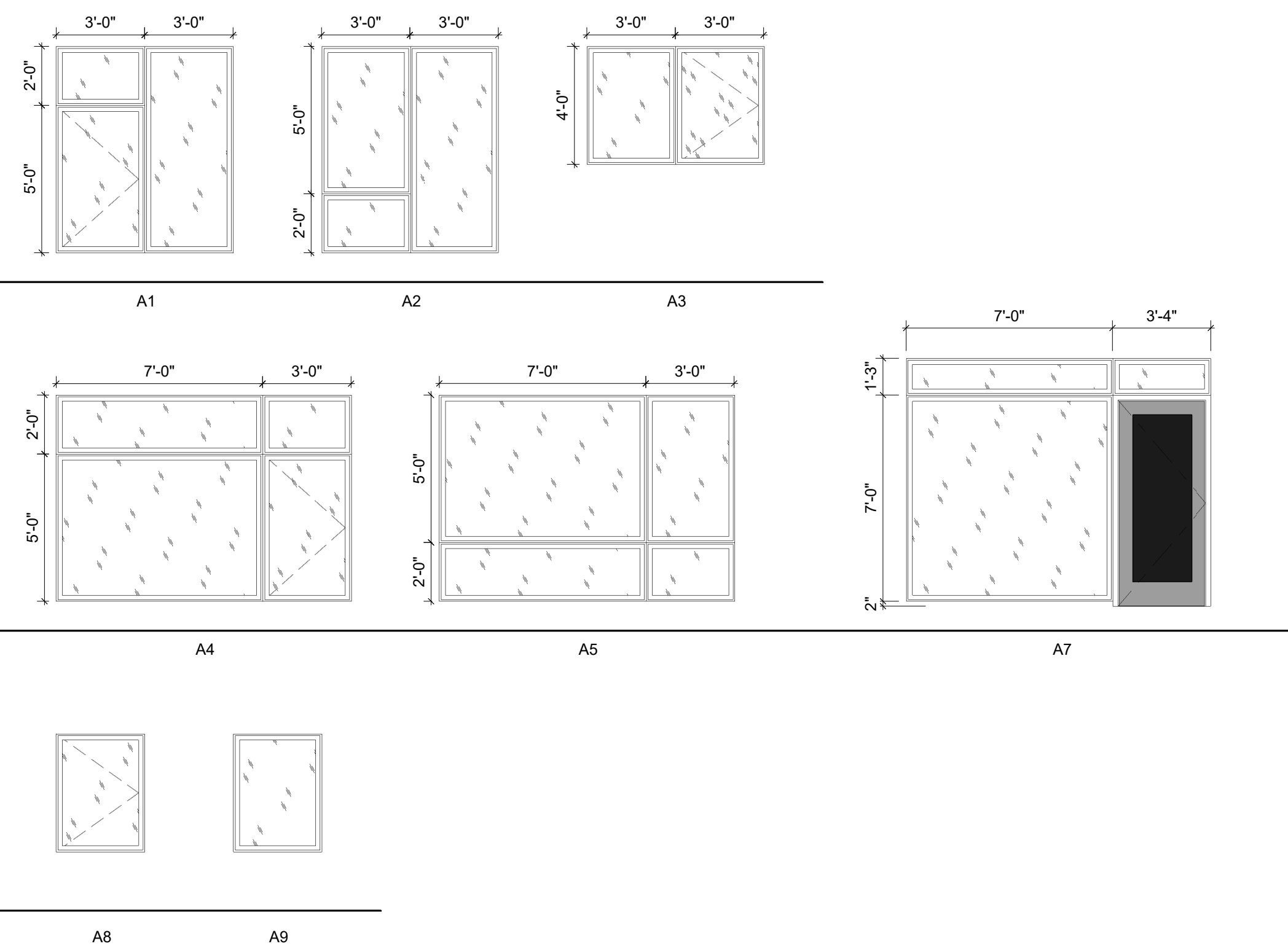
- HS-1 (SINGLE OCCUPANT TOILET)**
1 1/2 PAIR BUTT HINGES
1 SURFACE MOUNTED CLOSER
1 LEVER LATCHSET (PRIVACY FUNCTION)
1 DOOR STOP
1 CLOSER
1 SET SEALS
1 AUTOMATIC ACOUSTICAL DOOR BOTTOM
- HS-2 (MULTIPLE OCCUPANT TOILET)**
1 1/2 PAIR BUTT HINGES
1 SURFACE MOUNTED OVERHEAD CLOSER
1 PUSH TRIM
1 PULL TRIM
1 SET SEALS
1 DOOR STOP
1 KICK PLATE
- HS-3 (OFFICE)**
1 1/2 PAIR BUTT HINGES
1 SURFACE MOUNTED CLOSER
1 LEVER LATCHSET
1 SET SEALS
1 DOOR STOP
1 KICK PLATE
- HS-4 (EXTERIOR HM DOOR)**
1 1/2 PAIR BUTT HINGES
1 SURFACE MOUNTED CLOSER
1 ELECTRIC LOCKSET (MORTISE)
1 SET WEATHERSTRIPPING
1 DOOR SHOE
1 THRESHOLD
1 DOOR STOP
- HS-5 (PAIR STOREFRONT)**
2 SETS HINGES (OFFSET TOP, (2) INTERMEDIATE MORTISE & BOTTOM PIVOT)(PTH)
1 EA CONCEALED OVERHEAD CLOSER WITH STOP
1 EA ELECTRIC EXIT DEVICE (CONCEALED VERTICAL ROD TYPE)
1 EA CYLINDER
1 EA PULL TRIM
1 LOW ENERGY DOOR OPERATOR (ONE LEAF ONLY) W/ WIRE ACTIVATOR DEVICE
1 SET WEATHERSTRIPPING INCLUDE MEETING STILE
1 THRESHOLD
1 CARD READER
1 MOUNTING POST
- HS-6 (SINGLE STOREFRONT)**
1 SET HINGES (OFFSET TOP, (2) INTERMEDIATE MORTISE AND BOTTOM PIVOT)(PTH)
1 OVERHEAD CLOSER WITH STOP
1 ELECTRIC EXIT DEVICE (CONCEALED VERTICAL ROD TYPE)
1 DELAYED EGRESS KIT W/ REMOTE ARMING
1 CARD READER (EA SIDE)
1 SET WEATHERSTRIPPING
1 THRESHOLD

WINDOW SCHEDULE									
MARK	TYPE	CONFIG	WIDTH X HEIGHT	SILL HEIGHT	HEAD HEIGHT	SILL DETAIL	HEAD DETAIL	JAMB DETAIL	NOTES
1.1	A7	FIXED	10'-6" X 8'-5"	0'-2"	8'-5"				1, 3, 6, 8
1.2	A1	O/XO	6'-0" X 7'-0"	2'-0"	9'-0"				4, 5, 7
1.3	A8	X	3'-0" X 3'-0"	4'-0"	7'-0"				4, 5, 7, 8
1.4	A8	X	3'-0" X 3'-0"	4'-0"	7'-0"				4, 5, 7, 8
1.5	A3	XO	6'-0" X 4'-6"	2'-6"	7'-0"				4, 5, 7,
1.6	A9	FIXED	7'-0" X 4'-6"	2'-6"	7'-0"				1, 2, 4
2.1	A4	OO/OX	10'-0" X 7'-0"	2'-0"	9'-0"				3, 5, 7
2.2	A5	FIXED	10'-0" X 7'-0"	10'-6"	17'-6"				3
2.3	A1	O/XO	6'-0" X 7'-0"	2'-0"	9'-0"				3, 5, 7
2.4	A2	FIXED	6'-0" X 7'-0"	10'-6"	17'-6"				3
2.5	A1	O/XO	6'-0" X 7'-0"	2'-0"	9'-0"				3, 5, 7
2.6	A2	FIXED	6'-0" X 7'-0"	10'-6"	17'-6"				3
2.7	A1	O/XO	6'-0" X 7'-0"	2'-0"	9'-0"				3, 5, 7
2.8	A2	FIXED	6'-0" X 7'-0"	10'-6"	17'-6"				3
2.9	A1	O/XO	6'-0" X 7'-0"	2'-0"	9'-0"				3, 5, 7
2.10	A2	FIXED	6'-0" X 7'-0"	10'-6"	17'-6"				3
2.11	A3	XO	6'-0" X 4'-2"	2'-10"	7'-0"				5, 9
2.12	A3	XO	6'-0" X 4'-2"	2'-10"	7'-0"				5, 9
2.13	A3	XO	6'-0" X 4'-2"	2'-10"	7'-0"				5, 9
2.14	A3	XO	6'-0" X 4'-2"	2'-10"	7'-0"				5, 9
2.15	A9	FIXED	7'-0" X 5'-0"	10'-8"	15'-8"				
2.16	A9	FIXED	5'-0" X 4'-4"	2'-8"	7'-0"				4, 9
2.17	A9	FIXED	5'-0" X 4'-4"	10'-8"	14'-10"				
2.18	A9	FIXED	5'-0" X 4'-4"	2'-8"	7'-0"				4, 9
2.19	A9	FIXED	5'-0" X 4'-4"	10'-8"	14'-10"				
2.20	A9	FIXED	5'-0" X 4'-4"	2'-8"	7'-0"				4, 9
2.21	A9	FIXED	5'-0" X 4'-4"	10'-8"	14'-10"				
2.22	A9	FIXED	5'-0" X 4'-4"	2'-8"	7'-0"				4, 9
2.23	A9	FIXED	5'-0" X 4'-4"	10'-8"	14'-10"				

NOTES:

1. TEMPERED GLASS
2. SINGLE PANE (INTERIOR RELITE)
3. WINDOW SHADE, POWER OPERATION
4. WINDOW SHADE, MANUAL OPERATION
5. INSECT SCREEN ON OPERABLE PANEL
6. WITH STOREFRONT DOOR - SEE DOOR SCHEDULE
7. OPERABLE PANEL IS CASEMENT, OUT-SWING
8. INTERMEDIATE MULLION TO ALIGN WITH DOOR HEAD AT 7'-0" A.F.F.
9. WINDOW HEAD TO ALIGN WITH DOOR HEAD AT 7'-0" A.F.F.

WINDOW TYPES



GENERAL NOTES - WINDOWS

(STOREFRONT & ENTRANCE SYSTEMS)

1. ALUMINUM FRAME, THERMALLY BROKEN WITH HEAD RECEIVER CHANNEL, FINISH TO MATCH EXISTING STOREFRONT SYSTEM.
2. 1" INSULATED GLAZING - SEE EXT WINDOW TYPES FOR LOCATION OF SAFETY GLASS (*).
3. PROVIDE FLASHING AT HEAD & SILL - CONTINUOUS SILICONE SEALANT, INSIDE AND OUT AT PERIMETER OF WINDOW FRAME.
4. PROVIDE 2-PIECE METAL CAP @ SILL
5. VERTICAL GLAZING: ASSEMBLY MAX U-FACTOR U-0.38; ASSEMBLY MAX SHGC 0.35.
6. ENTRANCE DOORS: ASSEMBLY MAX U-FACTOR U-0.60; ASSEMBLY MAX SHGC 0.35.

STRUCTURAL NOTES

WOOD

WOOD CONSTRUCTION SHALL CONFORM TO ALL REQUIREMENTS OF IBC CHAPTER 23.

SAWN LUMBER

SAWN LUMBER SHALL CONFORM TO THE LATEST EDITION OF "GRADING AND DRESSING RULES" BY WCLIB OR "WESTERN LUMBER GRADING RULES" BY WWP. LUMBER SHALL BE SEASONED DRY WITH A MAXIMUM MOISTURE CONTENT OF 19% AND BE THE SPECIES AND GRADE SPECIFIED BELOW.

USE	GRADE	F _x (PSI) (SINGLE USE)
WALL STUDS 2" TO 4" THICK, 2" AND WIDER	DOUGLAS FIR-LARCH NO. 2	900
PLANKING & PLATES 2" TO 4" THICK, 2" AND WIDER	DOUGLAS FIR-LARCH NO. 2	900
JOISTS & RAFTERS 2" TO 4" THICK, 2" AND WIDER	DOUGLAS FIR-LARCH NO. 2	900
BEAMS & STRINGERS 5"x5" AND LARGER	DOUGLAS FIR-LARCH NO. 1	1,350
POSTS 5"x5" AND LARGER 4"x4"	DOUGLAS FIR-LARCH NO. 1 DOUGLAS FIR-LARCH NO. 1	1,200 1,000

TONGUE AND GROOVE LUMBER DECKING

DECKING, FASTENING, AND INSTALLATION, SHALL BE PER IBC 2304.9. LAYUP SHALL BE COMBINATION SIMPLE AND TWO SPAN CONTINUOUS PATTERN. TWO-INCH DECKING SHALL NOT EXCEED 15% MOISTURE CONTENT.

TYPE	GRADE	F _x (PSI)
3X6 SOLID TIMBER	DOUGLAS FIR-LARCH COMMERCIAL	1,450

GLUED-LAMINATED TIMBER

GLUED-LAMINATED TIMBER SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AITC A190.1 "STRUCTURAL GLUED LAMINATED TIMBER". APPLY ONE COAT OF PENETRATING END SEALER IMMEDIATELY AFTER TRIMMING IN SHOP OR FIELD. MEMBERS SHALL BE VISUALLY GRADED WESTERN SPECIES MANUFACTURED WITH ARCHITECTURAL APPEARANCE GRADE AND WITH LAYUP COMBINATION AS FOLLOWS.

TYPE	COMBINATION SYMBOL	SPECIES	USES
BEAMS	24F-V4 24F-V8	DF/DF DF/DF	SIMPLE SPAN CONTINUOUS OR CANTILEVER SPAN

STRUCTURAL COMPOSITE LUMBER

STRUCTURAL COMPOSITE LUMBER PRODUCTS SHALL BE OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS AND MANUFACTURED BY TRUS JOIST OR APPROVED EQUAL. MEMBERS SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES:

TYPE	MODULUS OF ELASTICITY (PSI)	ALLOWABLE FLEXURAL STRESS (PSI)
PSL (COL)	1,800,000	2,400
PSL (BEAM)	2,000,000	2,900
LVL	2,000,000	2,600
LSL	1,550,000	2,325

FLEXURAL STRESSES NOTED ABOVE ARE FOR A 12-INCH MEMBER. DEEPER MEMBERS SHALL BE DESIGNED FOR REDUCED STRESSES PER THE MANUFACTURER'S REQUIREMENTS.

PRODUCT SUBSTITUTION REQUESTS SHALL INCLUDE AN ICC-ES OR IAPMO-UES REPORT VALID FOR THE 2018 IBC. PRODUCT SUBSTITUTIONS SHALL BE DEMONSTRATED TO HAVE EQUIVALENT STRENGTH, STIFFNESS, AND ALLOWABLE SPACING OF FASTENERS WITHOUT ALTERING THE STRUCTURAL DESIGN. WHERE SUBSTITUTION REQUESTS INVOLVE ALTERING THE STRUCTURAL DESIGN, THE SUBSTITUTION REQUEST SHALL INCLUDE THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN.

WOOD I-JOISTS

WOOD I-JOISTS SHALL BE MANUFACTURED BY RED-BUILT OR APPROVED EQUAL. JOISTS SHALL BE OF THE SIZE AND PROFILE SHOWN ON THE DRAWINGS. JOISTS SHALL BE COMPATIBLE WITH THE LOAD, DIMENSIONAL, AND FIRE RATING REQUIREMENTS OF THE PROJECT.

PRODUCT SUBSTITUTION REQUESTS SHALL INCLUDE AN ICC-ES OR IAPMO-UES REPORT VALID FOR THE 2018 IBC. PRODUCT SUBSTITUTIONS SHALL BE DEMONSTRATED TO HAVE EQUIVALENT STRENGTH, STIFFNESS, AND ALLOWABLE SPACING OF FASTENERS WITHOUT ALTERING THE STRUCTURAL DESIGN. WHERE SUBSTITUTION REQUESTS INVOLVE ALTERING THE STRUCTURAL DESIGN, THE SUBSTITUTION REQUEST SHALL INCLUDE THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN.

JOISTS SHALL BE SUPPLIED WITH THE PROPER END CONNECTIONS, WEB STIFFENERS, BRIDGING, AND BRACING TO PROVIDE LATERAL STABILITY OF ALL JOISTS. HANGERS SHALL BE PROVIDED BY THE JOIST SUPPLIER WHERE SUPPORT CONDITIONS REQUIRE THEM. WELDABLE HANGERS SHALL BE PROVIDED WHERE HANGERS ATTACH TO STEEL MEMBERS.

OPEN-WEB PIN-CONNECTED TRUSSES

BIDDER-DESIGNED OPEN-WEB PIN-CONNECTED TRUSSES SHALL COMPLY WITH IBC 2303.4 AND BE DESIGNED AND DETAILED BY REDBUILT OR APPROVED EQUAL. TRUSSES SHALL BE OF THE PROFILE SHOWN ON THE DRAWINGS AND SHALL BE COMPATIBLE WITH THE LOAD, DIMENSIONAL, AND FIRE RATING REQUIREMENTS OF THE PROJECT. MINIMUM TRUSS DESIGN LOADS SHALL BE AS FOLLOWS:

2ND FLOOR:

DEAD LOAD: TOP CHORD = 23 PSF
BOT CHORD = 10 PSF
LIVE LOAD: TOP CHORD = 65 PSF

DEFLECTION CRITERIA: LIVE LOAD = L/400, 1/2" MAX
DEAD + LIVE LOAD = L/480, 5/8" MAX

ROOF:

DEAD LOAD: TOP CHORD = 12 PSF
BOT CHORD = 5 PSF
LIVE LOAD: TOP CHORD = 25 PSF (SNOW)
WIND UPLIFT: SEE 3/S1.01

DEFLECTION CRITERIA: LIVE LOAD = L/360, 1 1/4" MAX
DEAD + LIVE LOAD = L/240, 2" MAX

SPECIFIED LOADS ARE SERVICE LEVEL. DEAD LOAD DOES NOT INCLUDE TRUSS SELF WEIGHT. SEE PLANS AND DETAILS FOR ADDITIONAL LOADING REQUIREMENTS SUCH AS TRANSMISSION OF IN-PLANE LATERAL WIND OR SEISMIC FORCES AND MECHANICAL UNIT LOCATIONS.

TRUSSES SHALL BE SUPPLIED WITH THE PROPER END CONNECTIONS, BRIDGING, AND BRACING TO PROVIDE LATERAL STABILITY OF ALL TRUSSES AND TRUSS MEMBERS. AND TIE-DOWN CONNECTIONS FROM TRUSSES TO TOPS OF WALLS AND BEAMS. TRUSSES SHALL BE TOP CHORD BEARING AT SUPPORTS AS INDICATED. THE TRUSS MANUFACTURER IS RESPONSIBLE FOR ENSURING THE BEARING SEAT DOES NOT EXCEED THE COMPRESSION CAPACITY OF THE SUPPORTING WALL PLATE. HANGERS SHALL BE PROVIDED BY THE TRUSS SUPPLIER WHERE SUPPORT CONDITIONS REQUIRE THEM. WELDABLE HANGERS SHALL BE PROVIDED WHERE HANGERS ATTACH TO STEEL MEMBERS.

WOOD STRUCTURAL PANELS

WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF DOC PS 1 OR DOC PS 2. SHEATHING SHALL BE AS FOLLOWS:

ROOF SHEATHING (TONGUE AND GROOVE)

T&G 19/32" CATEGORY APA RATED SHEATHING, 40/20, EXPOSURE 1

SUBFLOORING SHEATHING (TONGUE AND GROOVE)

1-1/8" CATEGORY APA RATED STURD-I-FLOOR 240C, EXPOSURE 1
23/32" CATEGORY APA RATED SHEATHING, 48/24, EXPOSURE 1

SHEAR WALL SHEATHING

15/32" CATEGORY APA RATED SHEATHING, 32/16, EXPOSURE 1

ALL ROOF SHEATHING AND SUBFLOORING SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO SUPPORTS, UNLESS NOTED OTHERWISE, AND WITH THE PANELS CONTINUOUS OVER TWO OR MORE SUPPORTS. INSTALL WITH 1/8" GAP BETWEEN PANELS. FLOOR DIAPHRAGM AND SHEAR WALL NAILS SHALL BE DRIVEN FLUSH, BUT SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING.

TIMBER FASTENERS AND CONNECTORS

WOOD CONNECTORS SHALL BE SIMPSON STRONG-TIE AS SPECIFIED IN CATALOG NO. C-C-2021, OR APPROVED EQUAL. INSTALL CONNECTORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS WITH NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY THE MANUFACTURER. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE FASTENERS IN EACH MEMBER. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A 307. PROVIDE STANDARD WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. ALL SHIMS SHALL BE SEASONED DRY AND BE THE SAME GRADE (MIN) AS THE MEMBERS CONNECTED. ALL JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH LU SERIES JOIST HANGERS, UNLESS NOTED OTHERWISE. ALL DOUBLE AND TRIPLE-JOIST BEAMS SHALL BE CONNECTED TO FLUSH BEAMS WITH U SERIES HANGERS, UNLESS NOTED OTHERWISE.

ALL FRAMING NAILS SHALL HAVE THE SIZE AND MINIMUM LENGTH AS SPECIFIED IN THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE. NAIL TYPE SHALL BE COMMON UNLESS NOTED OTHERWISE. POWER-DRIVEN NAILS AND STAPLES SHALL BE IN ACCORDANCE ICC-ES ESR-1539. NAILING NOT SHOWN SHALL BE AS INDICATED IN IBC TABLE 2304.10.1. SEE 11/55.04 & 11/55.05 FOR NAIL SIZES AT SHEAR WALL AND ROOF/FLOOR DIAPHRAGM SHEATHING, RESPECTIVELY.

FRAMING NAILS			
TYPE MARK	TYPE	SHANK DIAMETER	MINIMUM LENGTH
8d	COMMON	0.131"	2 1/2"
10d	COMMON	0.148"	3"
16d	COMMON	0.162"	3 1/2"
16d-SHORT	SHORT	0.131"	3 1/4"

POWER-DRIVEN NAILS MAY BE SUBSTITUTED FOR COMMON NAILS AT SPACING AS FOLLOWS. SUBSTITUTIONS FOR NAIL SIZE, SPACING, OR QUANTITY NOT SHOWN REQUIRE APPROVAL.

ALTERNATE NAILING SCHEDULE

FASTENER TYPE	SHANK DIAMETER	LENGTH	SPACING							
			16"	12"	8"	6"	4"	3"	2"	
8d COMMON	0.131"	2 1/2"	16"	12"	8"	6"	4"	3"	2"	
16d SHORT	0.131"	3 1/4"	16"	12"	8"	6"	4"	3"	2"	
10d COMMON	0.148"	3"	16"	12"	8"	6"	4"	3"	2"	
16d SHORT	0.131"	3 1/4"	12"	10"	6"	4"	3"	2 1/2"	1 1/2"	
16d COMMON	0.162"	3 1/2"	16"	12"	8"	6"	4"	3"	-	
16d SHORT	0.131"	3 1/4"	10"	8"	5"	4"	2 1/2"	2"	-	

ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESERVATIVE-TREATED LUMBER SHALL BE GALVANIZED WITH A MINIMUM COATING OF 1.85 OUNCES/SQUARE FOOT.

IDENTIFICATION

ALL SAWN LUMBER AND PREFABRICATED WOOD PRODUCTS SHALL BE IDENTIFIED BY A GRADE MARK OR CERTIFICATE OF INSPECTION ISSUED BY THE CERTIFYING AGENCY.

GLUED FLOOR AND ROOF SYSTEM

ALL HORIZONTAL SHEATHING SHALL BE GLUED TO FLOOR JOISTS, ROOF TRUSSES, ROOF JOISTS, RIM BOARDS, AND BLOCKING. THE FIELD-GLUED SYSTEM SHALL BE INSTALLED ACCORDING TO THE RECOMMENDATIONS OF THE APA. GLUE SHALL BE APPLIED TO THE SUPPORTING FRAMING AND TO THE GROOVE IN THE EDGE OF THE T&G PANELS. GLUE SHALL MEET THE REQUIREMENTS OF THE APA ADHESIVE SPECIFICATION AFG-01 AND SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

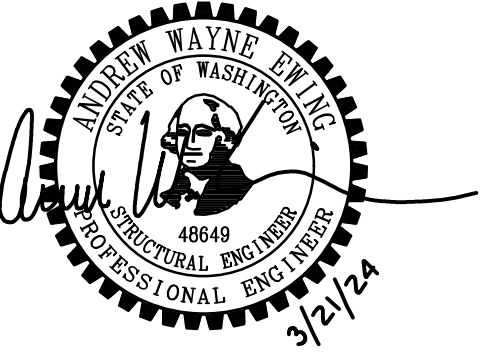
PRESERVATIVE-TREATED WOOD

WOOD SHALL BE PROTECTED FROM DECAY AND TERMITES IN ACCORDANCE WITH IBC 2304.12. PRESERVATIVE-TREATMENTS SHALL CONFORM TO THE APPROPRIATE STANDARDS OF THE AWPA FOR SAWN LUMBER, GLUED-LAMINATED TIMBER, ROUND POLES, PILES, AND MARINE PILES AND SHALL BEAR A TREATMENT IDENTIFICATION MARK BY THE CERTIFYING AGENCY. ALL LUMBER IN CONTACT WITH CMU, CONCRETE, OR GROUND SURFACES SHALL BE PRESERVATIVE-TREATED. PRESERVATIVE TREATMENT SHALL NOT REDUCE ALLOWABLE DESIGN STRESSES.

SPECIAL INSPECTIONS AND TESTING SCHEDULE		
ESTABLISHED PER IBC 2018 SECTION 109 AND CHAPTER 17		
ITEM	IBC CODE	COMMENTS
SOILS		
GRADING, EXCAVATION AND FILL	1705.6	BY GEOTECHNICAL ENGINEER
FINAL FOUNDATION PREPARATION		BY GEOTECHNICAL ENGINEER
INSPECTION IN FABRICATION SHOP	1704.2.5	-
CONCRETE		
POST-INSTALLED ADHESIVE ANCHORS		-
POST-INSTALLED MECHANICAL ANCHORS	1705.3	-
EMBEDDED PLATES		-
STRUCTURAL STEEL		
FABRICATION AND ERECTION		-
HIGH STRENGTH BOLTING	1705.2	-
WELDING		-
WOOD		
PREFABRICATED STRUCTURAL ELEMENTS	1704.2.5	-
SEISMIC RESISTANCE		
SEISMIC - WOOD	1705.12.2	-

SPECIAL INSPECTIONS AND TESTING NOTES:

- REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- INSPECTION REQUIREMENTS FOR SYSTEMS DESIGNED BY OTHERS SHALL BE DEFINED BY THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY TO ALL BIDDER-DESIGNED COMPONENTS.



STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	IF	INSIDE FACE
ADD'L	ADDITIONAL	IN	INCH
ADH	ADHESIVE	INFO	INFORMATION
ADJ	ADJUSTABLE	INT	INTERIOR
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	JST	JOIST
		JT	JOINT
AFF	ABOVE FINISH FLOOR	K	KIP (1,000 LBS.)
AGG	AGGREGATE	KSF	KIPS PER SQUARE FOOT
ANCH	ANCHOR	LF	LINEAL FOOT
ARCH	ARCHITECTURAL	LFH	LONG FACE HORIZONTAL
ARD	ADHESIVE REINFORCING DOWEL	LLH	LONG LEG HORIZONTAL
B/	BOTTOM OF	LLV	LONG LEG VERTICAL
BLDG	BUILDING	LNGT	LONGITUDINAL
BLKG	BLOCKING	LP	LOW POINT
BM	BEAM	LSL	LAMINATED STRAND LUMBER
BN	DIAPHRAGM BOUNDARY NAILING	LVL	LAMINATED VENEER LUMBER
BOT	BOTTOM	MAX	MAXIMUM
BRG	BEARING	MECH	MECHANICAL
BSMT	BASEMENT	MFR	MANUFACTURER
BTWN	BETWEEN	MIN	MINIMUM
BUR	BUILT-UP ROOF	MISC	MISCELLANEOUS
C	CAMBER	MOM	MOMENT
CAP	CAPACITY	NIC	NOT IN CONTRACT
CC	CENTER TO CENTER	NO	NUMBER
CDF	CONTROLLED DENSITY FILL	NOM	NOMINAL
CFS	COLD-FORMED STEEL	NS	NEAR SIDE
CIP	CAST-IN-PLACE	NS	NONSHRINK
CJ	CONSTRUCTION OR CONTROL JOINT	NTS	NOT TO SCALE
CJP	COMPLETE JOINT PENETRATION	OC	ON CENTER
CL	CENTERLINE	OD	OUTSIDE DIAMETER
CLG	CEILING	OF	OUTSIDE FACE
CLR	CLEAR	OPNG	OPENING
CMU	CONCRETE MASONRY UNIT	OPP	OPPOSITE
COL	COLUMN	P	POST
CONC	CONCRETE	PAF	POWER ACTUATED FASTENER
CONN	CONNECTION	PC	PIECE
CONST	CONSTRUCTION	PC	PILE CAP
CONT	CONTINUOUS	PEN	PENETRATION
CONTR	CONTRACTOR	PJP	PARTIAL JOINT PENETRATION
CONTY	CONTINUITY	PL	PROPERTY LINE
COORD	COORDINATE	PL	PLATE
CTR	CENTER	PLWD	PLYWOOD
CY	CUBIC YARD	PNL	PANEL
DB	DIVIDER BEAM	PSF	POUNDS PER SQUARE FOOT
DBA	DEFORMED BAR ANCHOR	PSI	POUNDS PER SQUARE INCH
DBL	DOUBLE	PT	POST-TENSIONED
DCW	DEMAND CRITICAL WELD	PT	PRESERVATIVE-TREATED
DEMO	DEMOLISH	PWT	PREFABRICATED WOOD TRUSS
DET	DETAIL	R	RADIUS
DF	DOUGLAS FIR	RD	ROOF DRAIN
DIA	DIAMETER	REINF	REINFORCING
DIAG	DIAGONAL	REM	REMAIN(DER)
DKG	DECKING	REQ'D	REQUIRED
DN	DOWN	RND	ROUND
DO	DITTO	RO	ROUGH OPENING
DWF	DEFORMED WIRE FABRIC	RTN	RETURN
DWG	DRAWING	SC	SLIP CRITICAL
DWL	DOWEL	SCHED	SCHEDULE
EA	EACH	SDCI	SEATTLE DEPARTMENT OF CONSTRUCTION AND INSPECTIONS
EF	EACH FACE	SDQ	SPECIAL DUCTILE QUALITY
EL	ELEVATION	SECT	SECTION
ELECT	ELECTRICAL	SFRS	SEISMIC FORCE-RESISTING SYSTEM
ELEV	ELEVATOR	SHT	SHEET
EN	PANEL EDGE NAILING	SHTG	SHEATHING
EQ	EQUAL	SIM	SIMILAR
EQUIP	EQUIPMENT	SOG	SLAB-ON-GRADE
ES	EACH SIDE	SP	SPACE
EW	EACH WAY	SPEC	SPECIFICATION
EX	EXISTING	SQ	SQUARE
EXP	EXPANSION	SST	STAINLESS STEEL
EXT	EXTERIOR	ST	SUSTAINED TENSION ANCHOR
F	FAHRENHEIT	STD	STANDARD
FD	FLOOR DRAIN	STIFF	STIFFENER
FDN	FOUNDATION	STIRR	STIRRUP
FF	FINISH FLOOR	STL	STEEL
FIN	FINISH	STRUCT	STRUCTURAL
FLG	FLANGE	SUPP	SUPPORT
FLR	FLOOR	SYM	SYMMETRICAL
FOB	FACE OF BUILDING	T&B	TOP AND BOTTOM
FS	FAR SIDE	T&G	TONGUE AND GROOVE
FT	FEET	T/	TOP OF
FTG	FOOTING	TB	TABLE
GA	GAUGE	THK	THICK(NESS)
GALV	GALVANIZED	THRU	THROUGH
GB	GRADE BEAM	TRANS	TRANSVERSE
GEN	GENERAL	TYP	TYPICAL
GL	GLUED LAMINATED TIMBER	UNO	UNLESS NOTED OTHERWISE
GOVT	GOVERNMENT	UT	ULTRASONIC TESTING
GR	GRADE	VERT	VERTICAL
GWB	GYPSUM WALL BOARD	VIF	VERIFY IN FIELD
HF	HEM-FIR	W	W-SHAPE
HGR	HANGER	W/	WITH
HK	HOOK	W/O	WITHOUT
HORIZ	HORIZONTAL	WD	WOOD
HP	HIGH POINT	WHS	WELDED HEADED STUD
HSS	HOLLOW STRUCTURAL SECTION	WL	WATER LINE
IBC	INTERNATIONAL BUILDING CODE	WP	WORK POINT
ID	INSIDE DIAMETER		
IE	INVERT ELEVATION		

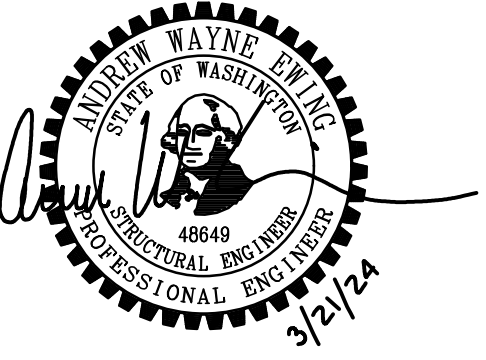
STRUCTURAL DRAWING SYMBOLS

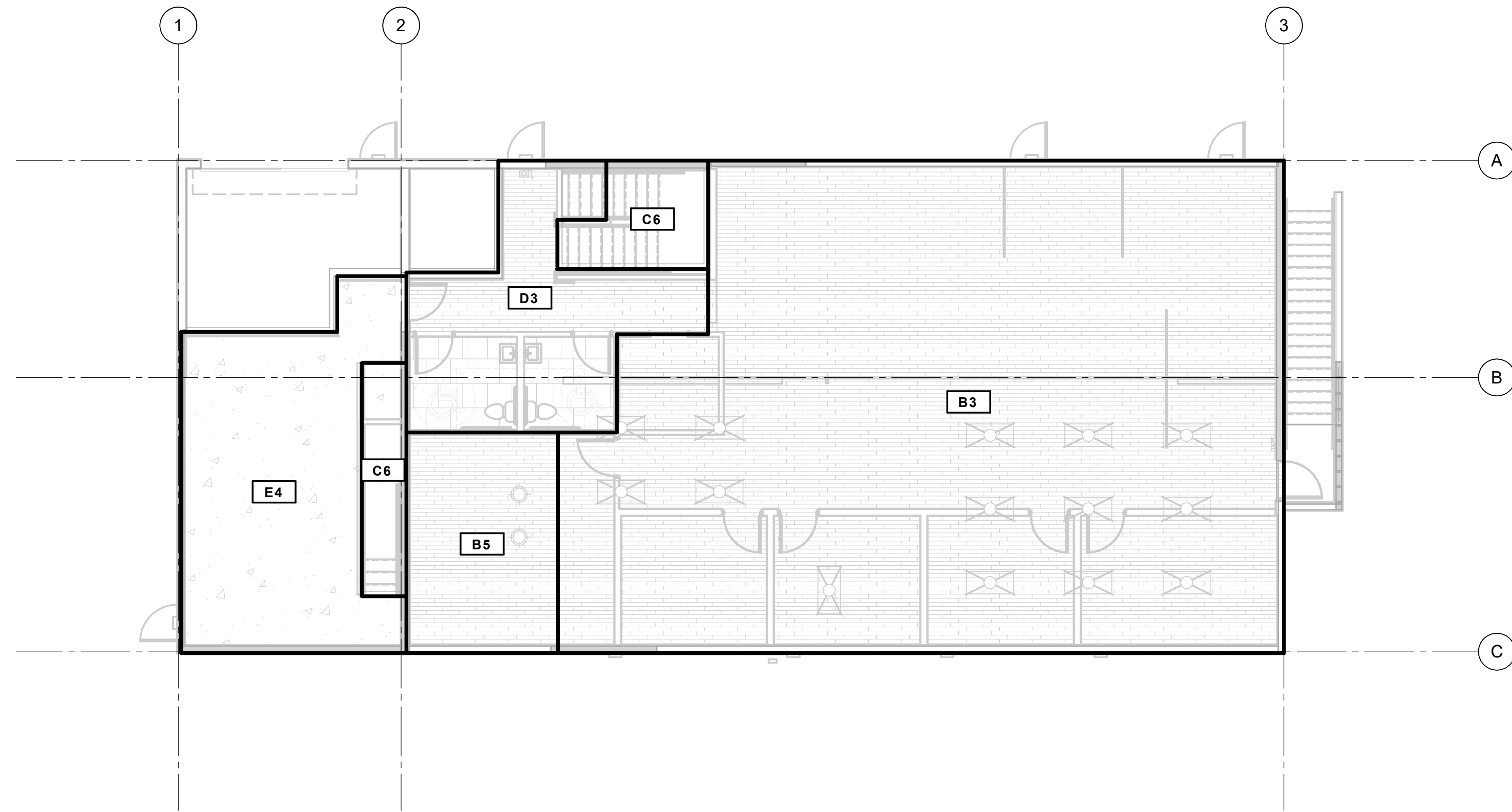
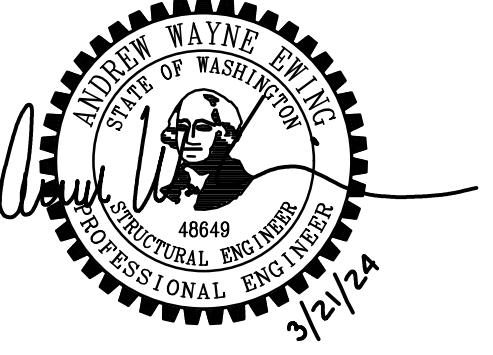
CONCRETE SYMBOLS

	CONCRETE COLUMN ABOVE OR PASSING THRU THIS LEVEL
	CONCRETE COLUMN BELOW
	STEPPED FOOTING
	CONCRETE WALL ABOVE OR PASSING THRU LEVEL
	PARTIAL HEIGHT CONCRETE WALL
	CONCRETE IN CROSS SECTION
	EXISTING CONCRETE IN CROSS SECTION
WOOD SYMBOLS	
	GLULAM SECTION
	ENGINEERED LUMBER SECTION (PSL, LSL, LVL)
	SOLID WOOD SECTION
	SOLID WOOD BLOCKING SECTION
	BUNDLED STUDS, WOOD POST
	PLYWOOD SECTION
	BEAM / GIRDER / JOIST
	WALL ABOVE THIS LEVEL WITH HEADER BELOW
	WALL BELOW THIS LEVEL WITH HEADER BELOW
	WALL ABOVE THIS LEVEL
	WALL BELOW THIS LEVEL

GENERAL SYMBOLS

	GRID BUBBLE
	SURFACE - SLOPE UP
	SURFACE - STEPPED
	SURFACE - SLOPE DOWN
	SURFACE - SLOPE TWO WAYS
	UNDISTURBED SOIL, COMPACTED SOIL, BACKFILL, OR ANY PREPARED SUBGRADE. SEE SPECIFICATIONS FOR TYPE OF MATERIAL AND PREPARATION METHOD.
	NORTH ARROW
	STANDARD SECTION CUTS
	BUILDING SECTION CUTS
	ELEVATION OF WALL OR FRAME
	SPOT ELEVATION: TOP OF PLYWOOD TOP OF CONCRETE TOP OF STEEL
	TOP OF CONCRETE ELEVATION
	TOP OF STEEL ELEVATION
	REFERENCE ELEVATION. REFER TO PLAN UNLESS NOTED OTHERWISE.
	ELEVATION OF LEVEL
	WORKPOINT
	DIRECTION OF DOWNWARD SLOPE
	DIRECTION OF SPAN
	EXISTING FRAMING





1 LOAD MAP - 2ND FLOOR
1/8" = 1'-0"

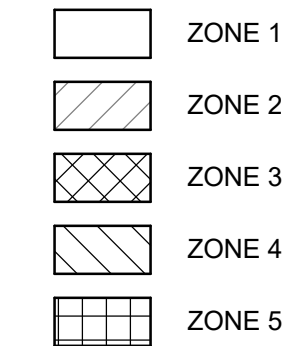
LIVE LOAD SCHEDULE			
TYPE MARK	DESCRIPTION	LOAD, PSF (R=REDUCIBLE)	TYPE COMMENTS
A	ROOF	20 (R) LIVE 25 SNOW	-
B	ALL TYPICAL OFFICE FLOORS	50 (R) + 15	3
C	CORRIDORS AND STAIRS	100	-
D	CORRIDORS ABOVE FIRST FLOOR	80 (R)	-
E	HEAVY STORAGE	250	-

SUPERIMPOSED DEAD LOAD SCHEDULE			
TYPE MARK	DESCRIPTION	LOAD, PSF	TYPE COMMENTS
1	ROOF	16	-
2	ROOF OVERHANG	11	-
3	FINISHING FLOORING ON 1 1/2" GYPCRETE	26	-
4	FINISH FLOORING ON PLYWOOD SHEATHING	11	-
5	FINISH FLOORING ON 1 1/2" GYPCRETE OVER DECKING	26	-
6	STAIR FINISH FLOORING	12	-

LOAD SCHEDULE NOTES:

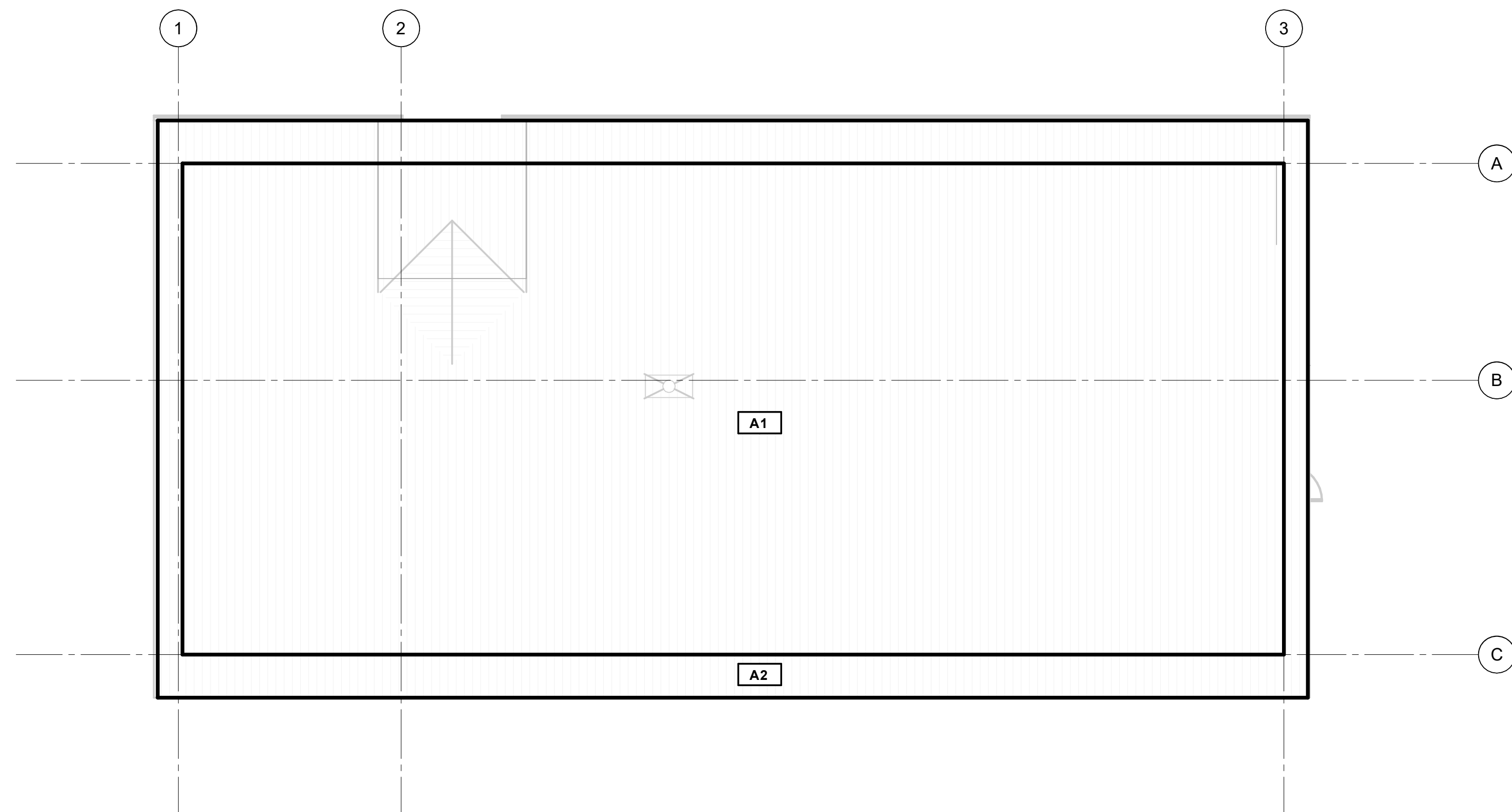
- INDICATES LIVE LOAD AND SUPERIMPOSED LOAD PER SCHEDULES. LOADING OCCURS WITHIN REGIONS BOUND BY BOLD LINES.
 - A1 SUPERIMPOSED DEAD LOAD
 - LIVE LOAD
- (R) INDICATES LIVE LOADS ARE REDUCED IN ACCORDANCE WITH BUILDING CODE PROVISIONS.
- + 15 INDICATES 15 PSF NON REDUCIBLE PARTITION LOAD.
- REFER TO TABLE 1607.1 IN THE IBC FOR RELEVANT CONCENTRATED LIVE LOADS.

OPEN WEB TRUSS UPLIFT PRESSURES	
ZONE	PRESSURE
1	-31.0 PSF
2	-33.5 PSF
3	-52.8 PSF
4	-55.3 PSF
5	-84.9 PSF

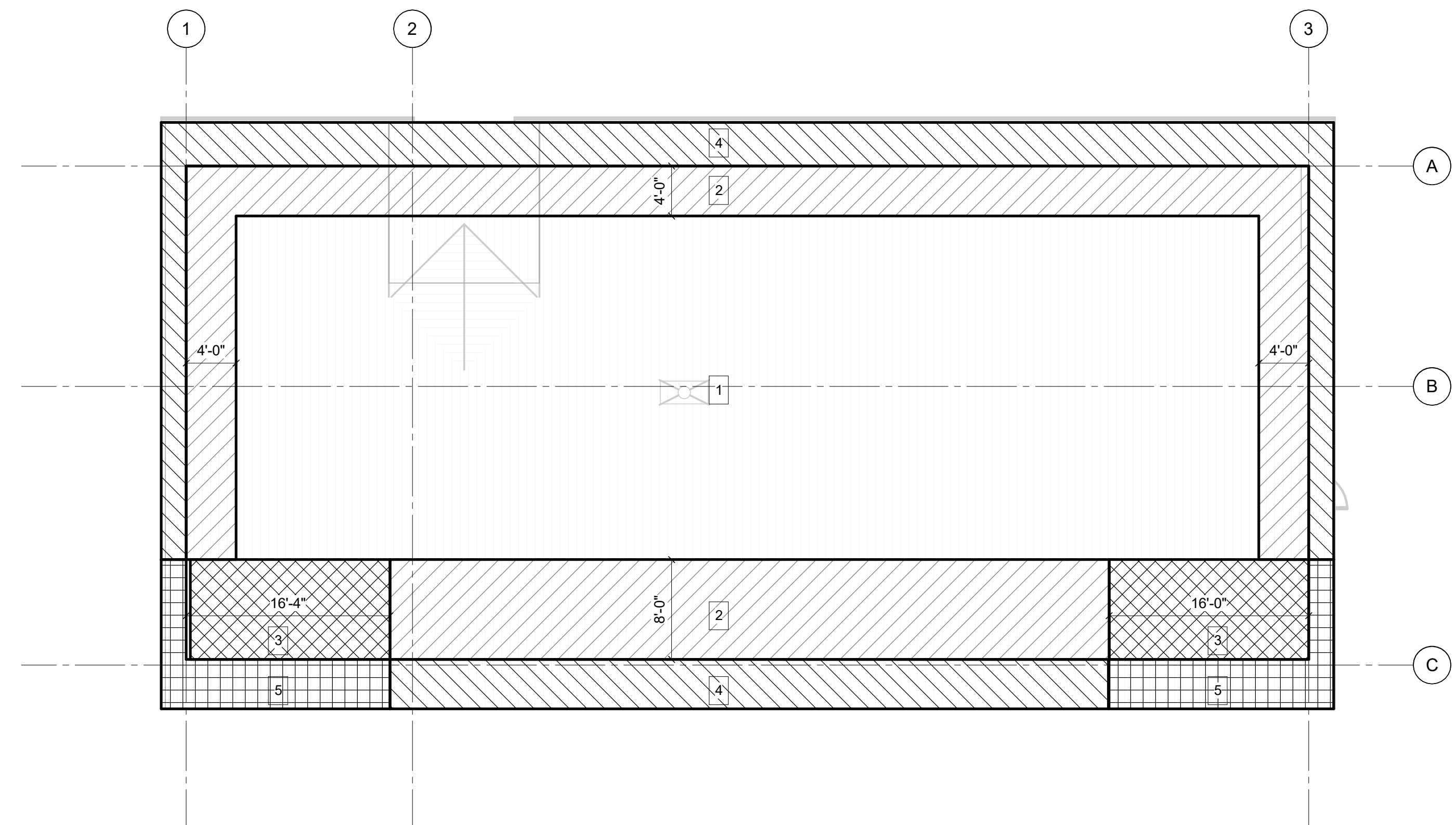


NOTES:

- OPEN WEB TRUSSES SHALL BE DESIGNED FOR THE WIND UPLIFT PRESSURE SHOWN.
- WIND UPLIFT PRESSURES SHOWN ARE UNFACTORED LEVEL LOADS (1.0W) FOR TRIBUTARY AREAS GREATER THAN OR EQUAL TO 100 SQUARE FEET, UNO.
- A TOTAL REDUCED UNFACTORED DEAD LOAD (1.0D) OF 15 PSF SHALL BE USED WHEN DESIGNING FOR UPLIFT OF THE TRUSSES. THIS VALUES ASSUMES 8 PLF OF TRUSS SELF WEIGHT AND MAY BE ADJUSTED FOR FINAL TRUSS SELF WEIGHT.



2 LOAD MAP - ROOF
1/8" = 1'-0"



3 ROOF OPEN WEB TRUSS WIND UPLIFT MAP
1/8" = 1'-0"



POST SCHEDULE	
TYPE MARK	TYPE
P-1	(2) 2x6
P-2	(7) 2x6
P-3	5-1/4"x11-7/8"
P-4	(6) 2x6

BEAM SCHEDULE	
TYPE MARK	TYPE
B-1	5-1/8"x12" GLULAM
B-2	5-1/8"x18" GLULAM
B-3	5-1/8"x16 1/2" GLULAM
B-4	6-3/4"x12" GLULAM
B-5	6-3/4"x9" GLULAM

HEADER SCHEDULE		
WALL TYPE AND/OR TYPE MARK	HEADER SIZE	MAX ROUGH OPENING WIDTH
H-0	(1) LSL 1-3/4x7-1/4	4'-0"
H-1	(2) LSL 1-3/4x7-1/4	SEE ELEVATION
H-2	LSL 3-1/2x5-1/2	SEE ELEVATION
H-3	LSL 3-1/2x9-1/2	SEE ELEVATION
H-4	LSL 5-1/4x11-7/8	SEE ELEVATION
H-5	PSL 5-1/4x11-7/8	SEE ELEVATION
H-6	HSS5x4x3/16	SEE ELEVATION

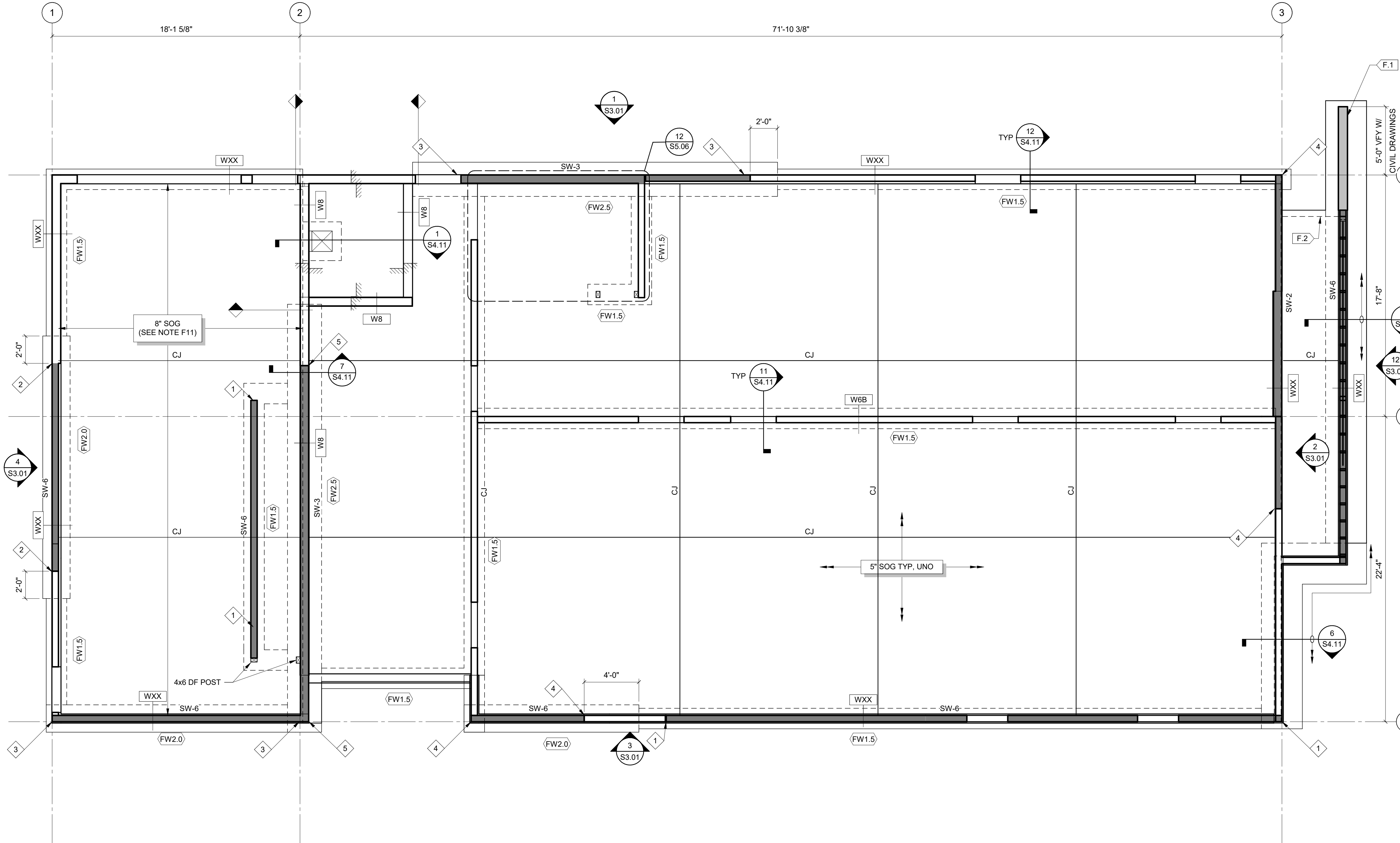
JAMB SCHEDULE			
TYPE MARK	TRIMMER STUDS	KING STUDS	COMMENTS
T-0	(2) LSL 1-1/2x5-1/2	(1) 2x6	NOTE 6
T-1	(1) 2x6	(1) 2x6	NOTE 6
T-2	(2) 2x6	(1) 2x6	NOTE 6
T-3	(1) 2x6	(2) 2x6	NOTE 6
T-4	(1) 2x8	(1) 2x8	NOTE 6
T-5	(1) LSL 1-1/2x7-1/4	LSL 1-1/2x7-1/4	NOTE 6
T-6	LSL 1-1/2x7-1/4	(2) LSL 1-1/2x7-1/4	NOTE 6
T-7	LSL 1-1/2x5-1/2	PSL 5-1/4x7 (PLANK)	NOTES 7 & 8
T-8	LSL 3-1/2x5-1/2	PSL 5-1/4x7 (PLANK)	NOTES 7 & 8
T-9	PSL 3-1/2x5-1/4	PSL 5-1/4x11-7/8 (PLANK)	NOTES 7 & 8

JOIST SCHEDULE	
TYPE MARK	TYPE AND SPACING
J-1	16" RED-165 @ 24" OC
J-2	16" RED-165 @ 12" OC
J-3	18" RED-165 @ 16" OC
J-4	2x12 @ 24" OC

STUD SCHEDULE		
TYPE MARK	TYPE	NOTES
S-1	2x6 @ 16" OC	-
S-2	2x8 @ 16" OC	SEE NOTE 3
S-3	LSL 1-1/2x5-1/2 @ 16" OC	-
S-4	(2) LSL 1-3/4x5-1/2 @ 16" OC	-
S-5	LSL 1-1/2x7-1/4 @ 16" OC	-
S-6	(2) LSL 1-1/2x7-1/4 @ 16" OC	-

STRUCTURAL WALL STUD SCHEDULE		
MARK	STUDS	NOTES
W6	2x6 @ 16" OC	TYPICAL AT INTERIOR WALLS UNO
W6A	(2) 2x6 @ 16" OC	-
W6B	2x6 @ 12" OC	-
WXX	-	SEE S3.01 FRAMING ELEVATIONS
W8	2x8 @ 16" OC	SEE NOTE 3

- SCHEDULE NOTES:**
- SEE S/S5.01 & 9/S5.01 FOR WALL TYPE AND HEADER ELEVATION.
 - HEADERS SHALL BE LOCATED AS SHOWN ON ELEVATIONS AND PLANS.
 - WHERE STUD HEIGHT EXCEEDS 12'-0", AS INDICATED BY "(LSL)", REPLACE DIMENSIONAL STUDS WITH EQUIVALENT LSL.
 - ALL INTERIOR JAMBS SHALL BE TYPE T-0 TYP. UNO.
 - ALL INTERIOR HEADERS SHALL BE TYPE H-0 TYP. UNO.
 - ATTACH 2x TRIMMER STUDS TO KING STUDS PER 1/S5.04.
 - ATTACH 3-1/2 TRIMMER STUDS TO KING STUDS PER 2/S5.03.
 - PROVIDE (2) #3 FRAMING ANCHORS TOP AND BOT FOR TYPE T-7, T-8 AND T-9 KING STUDS.
 - SUBSTITUTIONS OF STRUCTURAL COMPOSITE LUMBER MAY BE MADE PER THE STRUCTURAL NOTES



GENERAL PLAN NOTES:

- G1. REFERENCE DRAWINGS:
S0.XX - STRUCTURAL NOTES, SPECIAL INSPECTION SCHEDULE, SYMBOLS AND ABBREVIATIONS
S1.XX - LOAD MAPS
S3.XX - ELEVATIONS
S4.XX - TYPICAL CONCRETE AND FOUNDATION DETAILS
S5.XX - TYPICAL WOOD DETAILS

FOUNDATION PLAN NOTES:

- F1. SEE THE ARCHITECTURAL DRAWING FOR WALL ASSEMBLY TYPES AND FOR NON-BEARING WALL LOCATIONS. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
TOP OF SLAB-ON-GRADE SHALL BE 36"-6" THIS LEVEL. UNO.
F2. SLAB-ON-GRADE SHALL BE THICKNESS AS INDICATED ON PLAN WITH #4 @ 12" OC EW. SEE TYPICAL SLAB ON GRADE DETAIL 11/S4.01. PREPARE SUBGRADE AND PROVIDE UNDERSLAB CAPILLARY BREAK PER GEOTECHNICAL REPORT. POUR ALL SLABS ON GRADE OVER VAPOR RETARDER PER SPECIFICATIONS.
CJ INDICATES SLAB ON GRADE CONTROL / CONSTRUCTION JOINT LOCATIONS; SPACE JOINTS EQUALLY BETWEEN SLAB EDGES, UNO.
PROVIDE TRIM REINFORCING AT ALL SLAB ON GRADE PENETRATIONS AND REENTRANT CORNERS PER 5/S4.01.
F4. (F10.0) INDICATES FOOTING TYPE. TOP OF FOOTING EL = -1'-0" BELOW TOP OF SLAB AT EXTERIOR FOOTINGS AND = -0'-8" AT INTERIOR FOOTINGS UNO. SEE 7/S4.11, 6/S4.11, 11/S4.11, AND 12/S4.11.

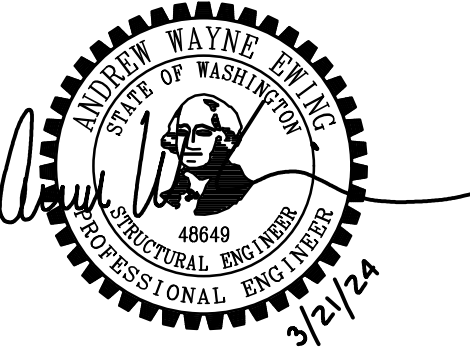
- F5. DIMENSIONS SHOWN ARE TO CENTERLINE OF POST, UNO. GRID LINES ARE ALIGNED WITH FACE OF STUD, UNO.

- F6. (X) INDICATES HOLD-DOWN PER HOLD-DOWN SCHEDULE 9/S5.04.
F7. (SW-X) INDICATES WOOD SHEAR WALL ABOVE AND TYPE PER 11/S5.04.
F8. (◇) INDICATES FOOTING STEP PER 3/S4.11.
F9. SEE 1/S3.01, 2/S3.01, 3/S3.01, AND 4/S3.01 FOR EXTERIOR WALL STUDS.
F10. ALL FOOTINGS AND SLABS ON GRADE TO BE PLACED ON 1'-0" MINIMUM STRUCTURAL FILL PER GEOTECHNICAL REPORT; SEE SECTION 9/S4.11.
F11. APPLY SEALER HARDENER TO 8" SLAB ON GRADE INSIDE SHED AREA; SEE SPECIFICATIONS.

FOUNDATION PLAN KEY NOTES:

- (F.1) CANTILEVERED RETAINING WALL AND FOOTING PER 6/S4.11.
(F.2) THICKENED SLAB EDGE AT END OF STAIR PER 3/S4.01.

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



TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

POST SCHEDULE	
TYPE MARK	TYPE
P-1	(2) 2x6
P-2	(7) 2x6
P-3	5-1/4"x11-7/8"
P-4	(6) 2x6

BEAM SCHEDULE	
TYPE MARK	TYPE
B-1	5-1/8"x12" GLULAM
B-2	5-1/8"x18" GLULAM
B-3	5-1/8"x16 1/2" GLULAM
B-4	6-3/4"x12" GLULAM
B-5	6-3/4"x9" GLULAM

HEADER SCHEDULE		
WALL TYPE AND/OR TYPE MARK	HEADER SIZE	MAX ROUGH OPENING WIDTH
H-0	(1) LSL 1-3/4x7-1/4	4'-0"
H-1	(2) LSL 1-3/4x7-1/4	SEE ELEVATION
H-2	LSL 3-1/2x5-1/2	SEE ELEVATION
H-3	LSL 3-1/2x9-1/2	SEE ELEVATION
H-4	LSL 5-1/4x11-7/8	SEE ELEVATION
H-5	PSL 5-1/4x11-7/8	SEE ELEVATION
H-6	HSS5x4x3/16	SEE ELEVATION

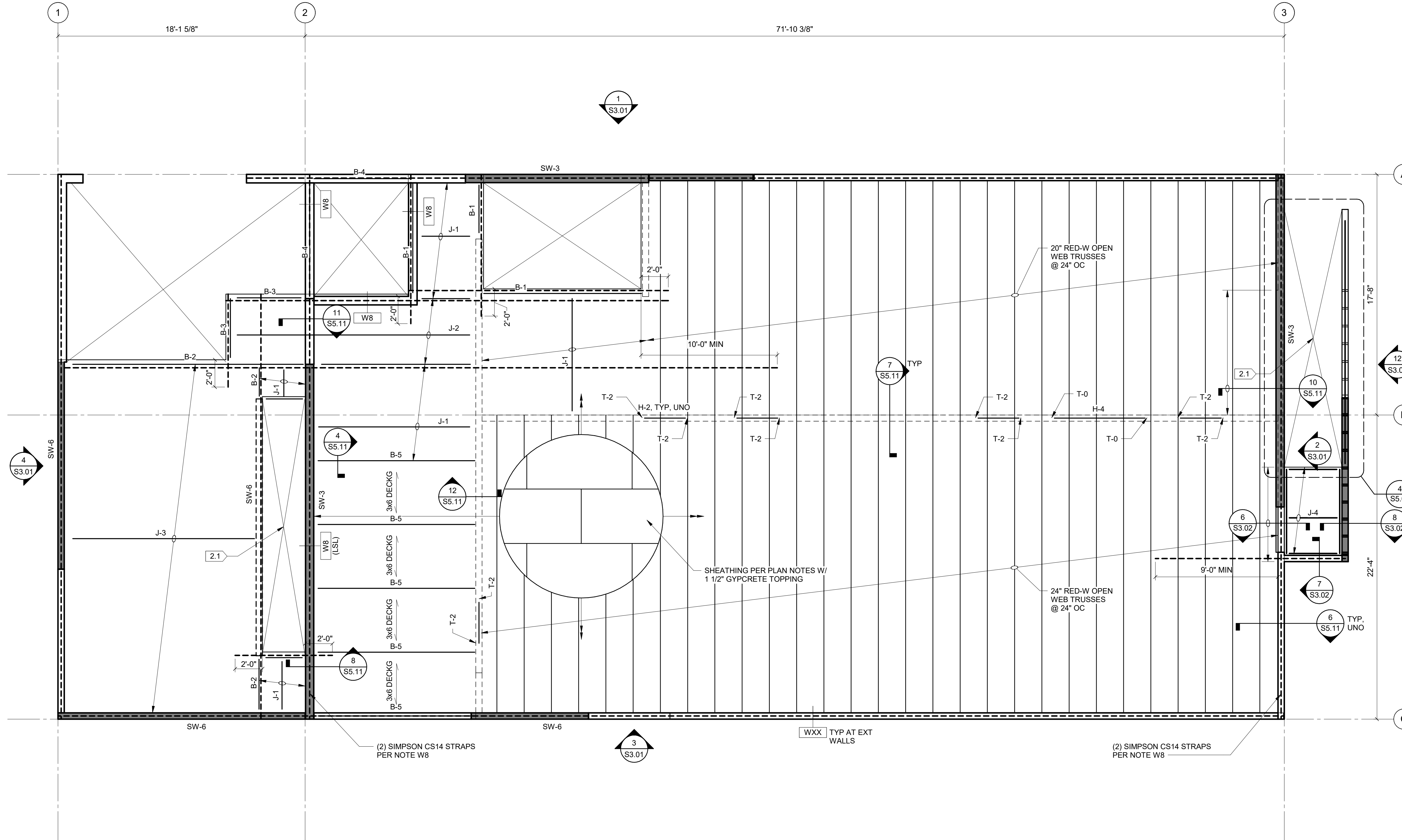
JAMB SCHEDULE			
TYPE MARK	TRIMMER STUDS	KING STUDS	COMMENTS
T-0	(2) LSL 1-1/2x5-1/2	(1) 2x6	NOTE 6
T-1	(1) 2x6	(1) 2x6	NOTE 6
T-2	(2) 2x6	(1) 2x6	NOTE 6
T-3	(1) 2x6	(2) 2x6	NOTE 6
T-4	(1) 2x8	(1) 2x8	NOTE 6
T-5	(1) LSL 1-1/2x7-1/4	LSL 1-1/2x7-1/4	NOTE 6
T-6	LSL 1-1/2x7-1/4	(2) LSL 1-1/2x7-1/4	NOTE 6
T-7	LSL 1-1/2x5-1/2	PSL 5-1/4x7 (PLANK)	NOTES 7 & 8
T-8	LSL 3-1/2x5-1/2	PSL 5-1/4x7 (PLANK)	NOTES 7 & 8
T-9	PSL 3-1/2x5-1/4	PSL 5-1/4x11-7/8 (PLANK)	NOTES 7 & 8

JOIST SCHEDULE	
TYPE MARK	TYPE AND SPACING
J-1	16" RED-165 @ 24" OC
J-2	16" RED-165 @ 12" OC
J-3	18" RED-165 @ 16" OC
J-4	2x12 @ 24" OC

STUD SCHEDULE		
TYPE MARK	TYPE	NOTES
S-1	2x6 @ 16" OC	-
S-2	2x8 @ 16" OC	SEE NOTE 3
S-3	LSL 1-1/2x5-1/2 @ 16" OC	-
S-4	(2) LSL 1-3/4x5-1/2 @ 16" OC	-
S-5	LSL 1-1/2x7-1/4 @ 16" OC	-
S-6	(2) LSL 1-1/2x7-1/4 @ 16" OC	-

STRUCTURAL WALL STUD SCHEDULE		
MARK	STUDS	NOTES
W6	2x6 @ 16" OC	TYPICAL AT INTERIOR WALLS UNO
W6A	(2) 2x6 @ 16" OC	-
W6B	2x6 @ 12" OC	-
WXX	-	SEE S3.01 FRAMING ELEVATIONS
W8	2x8 @ 16" OC	SEE NOTE 3

- SCHEDULE NOTES:**
- SEE S5.01 & 9/S5.01 FOR WALL TYPE AND HEADER ELEVATION.
 - HEADERS SHALL BE LOCATED AS SHOWN ON ELEVATIONS AND PLANS.
 - WHERE STUD HEIGHT EXCEEDS 12'-0", AS INDICATED BY "(LSL)", REPLACE DIMENSIONAL STUDS WITH EQUIVALENT LSL.
 - ALL INTERIOR JAMBS SHALL BE TYPE T-0 TYP. UNO.
 - ALL INTERIOR HEADERS SHALL BE TYPE H-0 TYP. UNO.
 - ATTACH 2x TRIMMER STUDS TO KING STUDS PER 1/S5.04.
 - ATTACH 3-1/2 TRIMMER STUDS TO KING STUDS PER 2/S5.03.
 - PROVIDE (2) #3 FRAMING ANCHORS TOP AND BOT FOR TYPE T-7, T-8 AND T-9 KING STUDS.
 - SUBSTITUTIONS OF STRUCTURAL COMPOSITE LUMBER MAY BE MADE PER THE STRUCTURAL NOTES.



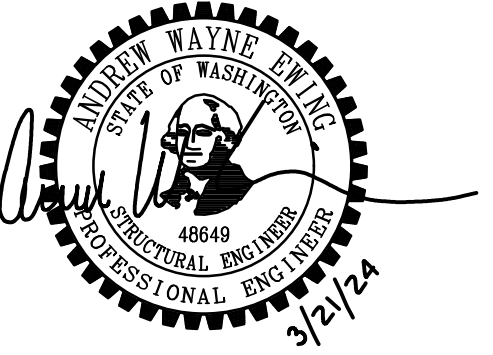
- GENERAL PLAN NOTES:**
- G1. REFERENCE DRAWINGS:
 - S0.XX - STRUCTURAL NOTES, SPECIAL INSPECTION SCHEDULE, SYMBOLS AND ABBREVIATIONS
 - S1.XX - LOAD MAPS
 - S3.XX - ELEVATIONS
 - S4.XX - TYPICAL CONCRETE AND FOUNDATION DETAILS
 - S5.XX - TYPICAL WOOD DETAILS

- WOOD FRAMING PLAN NOTES:**
- W1. SEE THE ARCHITECTURAL DRAWINGS FOR WALL TYPES AND FOR NON-BEARING WALL LOCATIONS. FLOOR SHEATHING SHALL BE 1 1/8" TONGUE AND GROOVE PER STRUCTURAL NOTES. SEE DIAPHRAGM NAILING SCHEDULE PER 11/S5.05.
 - W2. DIMENSIONS SHOWN ARE TO FACE OF STUD, UNO.
 - W3. J-X INDICATES JOIST PER SCHEDULE.
 - W4. B-X INDICATES FLUSH FRAMED BEAM PER SCHEDULE.
 - W5. INDICATES HOLD-DOWN PER 9/S5.04.
 - W6. SW-X INDICATES WOOD SHEAR WALL ABOVE PER 11/S5.04.
 - W7. DENOTES CONTINUOUS SIMPSON CS14 OVER PLYWOOD SHEATHING W/ 0.148x3" FASTENERS @ 2-1/16" OC (EVERY OTHER HOLE); PROVIDE 18" LAP SPLICES W/ (6) 0.148x3" FASTENERS.

- WOOD FRAMING PLAN NOTES:**
- W8. INDICATES 3x6 T&G TIMBER DECKING UNDER 1-1/8" PLWD SHEATHING. ATTACH DECKING TO SUPPORTING FRAMING WITH (2) 22x5" SDWS TIMBER SCREWS INSTALLED FLUSH. EACH PIECE SHALL BE TOENAILLED AT EACH SUPPORT WITH (1) 20d NAIL. SEE 11/S5.05 FOR PLYWOOD NAILING; NAIL PENETRATION INTO TIMBER DECKING NOT TO EXCEED 2".

- SECOND FLOOR FRAMING PLAN KEY NOTES:**
- (2.1) PROVIDE STRAIGHT RUN STAIR FRAMING PER 4/S5.06.

2ND FLOOR FRAMING PLAN
1/4" = 1'-0"



TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

POST SCHEDULE	
TYPE MARK	TYPE
P-1	(2) 2x6
P-2	(7) 2x6
P-3	5-1/4"x11-7/8"
P-4	(6) 2x6

BEAM SCHEDULE	
TYPE MARK	TYPE
B-1	5-1/8"x12" GLULAM
B-2	5-1/8"x18" GLULAM
B-3	5-1/8"x16 1/2" GLULAM
B-4	6-3/4"x12" GLULAM
B-5	6-3/4"x9" GLULAM

HEADER SCHEDULE		
WALL TYPE AND/OR TYPE MARK	HEADER SIZE	MAX ROUGH OPENING WIDTH
H-0	(1) LSL 1-3/4x7-1/4	4'-0"
H-1	(2) LSL 1-3/4x7-1/4	SEE ELEVATION
H-2	LSL 3-1/2x5-1/2	SEE ELEVATION
H-3	LSL 3-1/2x9-1/2	SEE ELEVATION
H-4	LSL 5-1/4x11-7/8	SEE ELEVATION
H-5	PSL 5-1/4x11-7/8	SEE ELEVATION
H-6	HSS5x4x3/16	SEE ELEVATION

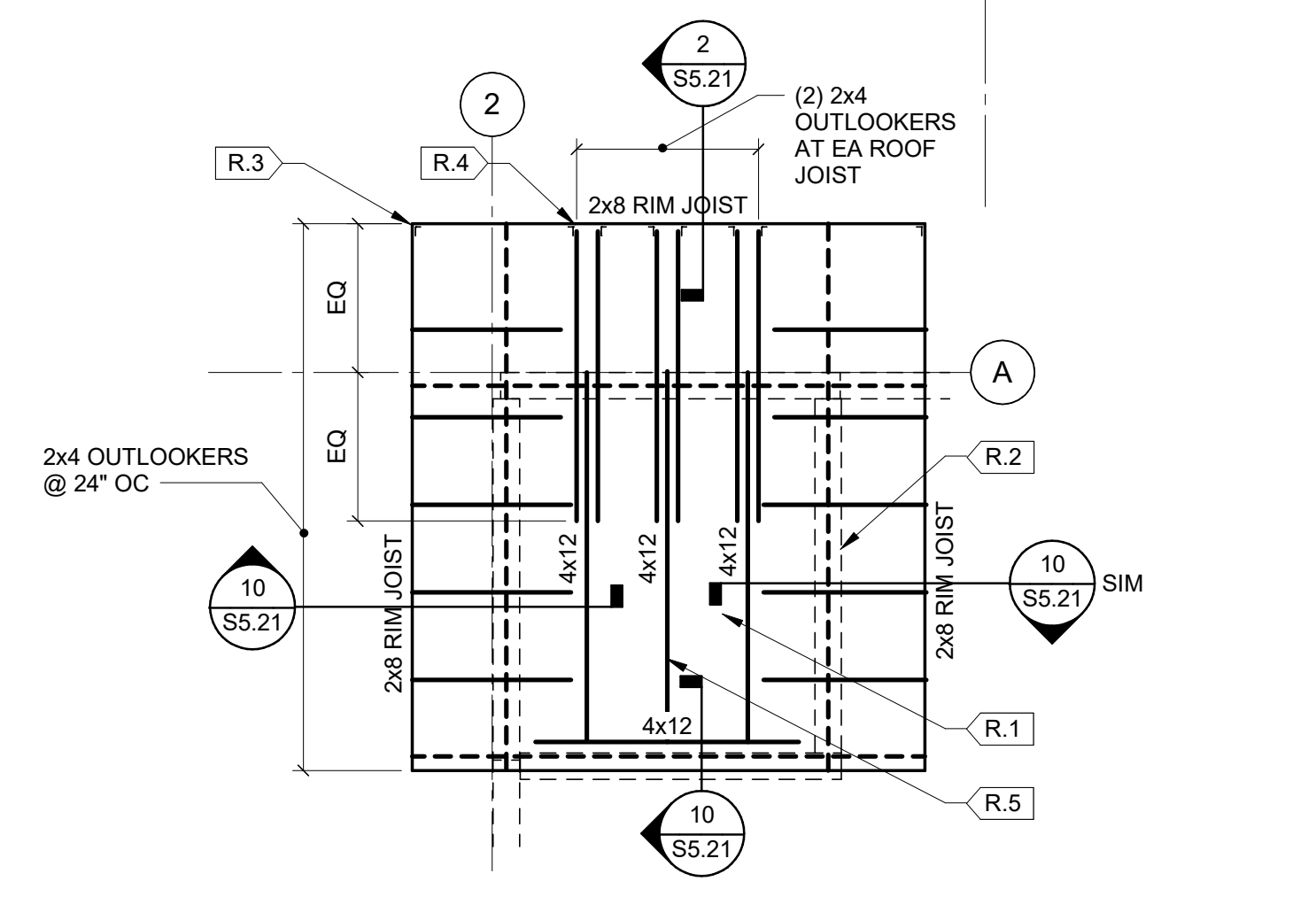
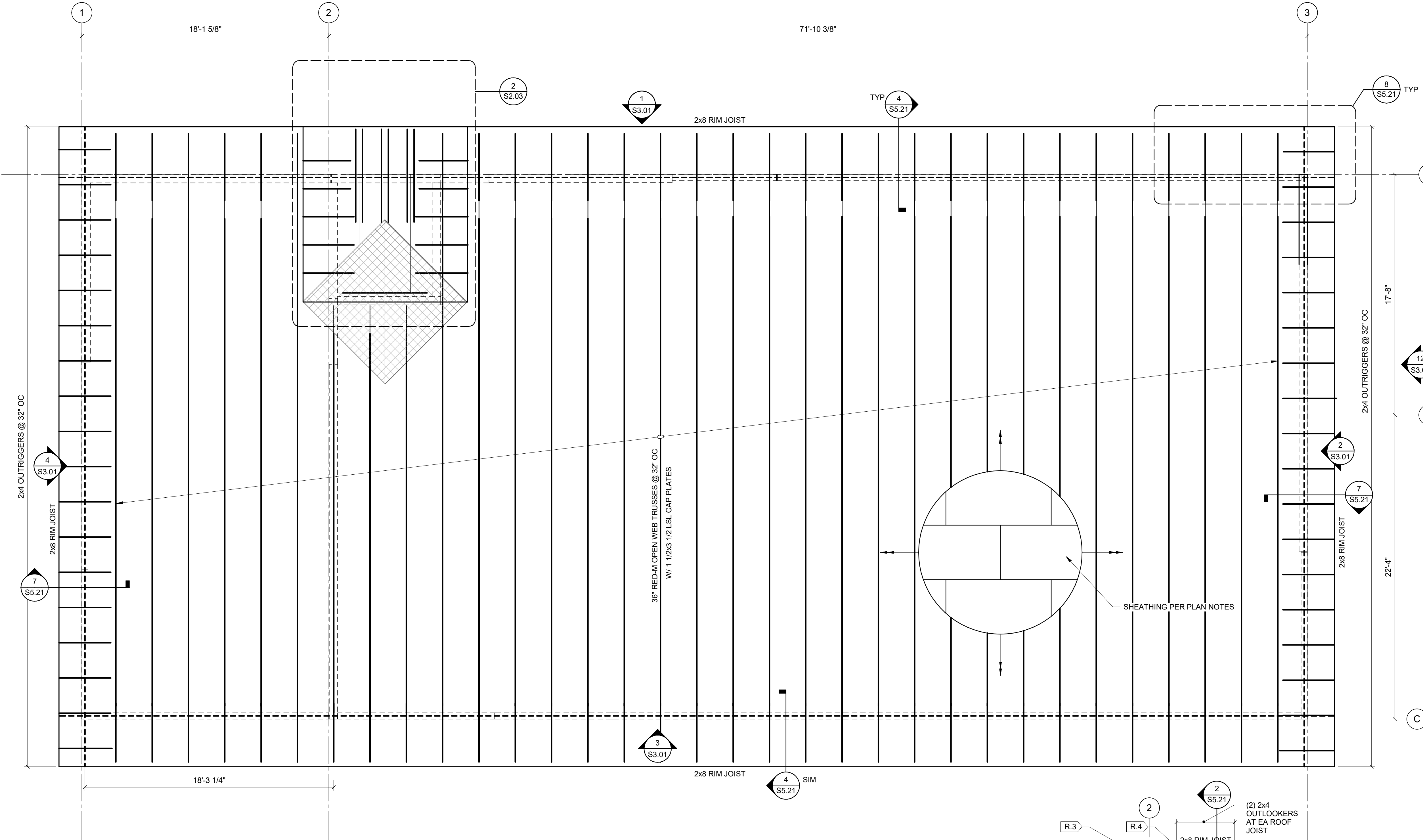
JAMB SCHEDULE			
TYPE MARK	TRIMMER STUDS	KING STUDS	COMMENTS
T-0	(2) LSL 1-1/2x5-1/2	(1) 2x6	NOTE 6
T-1	(1) 2x6	(1) 2x6	NOTE 6
T-2	(2) 2x6	(1) 2x6	NOTE 6
T-3	(1) 2x6	(2) 2x6	NOTE 6
T-4	(1) 2x8	(1) 2x8	NOTE 6
T-5	(1) LSL 1-1/2x7-1/4	LSL 1-1/2x7-1/4	NOTE 6
T-6	LSL 1-1/2x7-1/4	(2) LSL 1-1/2x7-1/4	NOTE 6
T-7	LSL 1-1/2x5-1/2	PSL 5-1/4x7 (PLANK)	NOTES 7 & 8
T-8	LSL 3-1/2x5-1/2	PSL 5-1/4x7 (PLANK)	NOTES 7 & 8
T-9	PSL 3-1/2x5-1/4	PSL 5-1/4x11-7/8 (PLANK)	NOTES 7 & 8

JOIST SCHEDULE	
TYPE MARK	TYPE AND SPACING
J-1	16" RED-I65 @ 24" OC
J-2	16" RED-I65 @ 12" OC
J-3	18" RED-I65 @ 16" OC
J-4	2x12 @ 24" OC

STUD SCHEDULE		
TYPE MARK	TYPE	NOTES
S-1	2x6 @ 16" OC	-
S-2	2x8 @ 16" OC	SEE NOTE 3
S-3	LSL 1-1/2x5-1/2 @ 16" OC	-
S-4	(2) LSL 1-3/4x5-1/2 @ 16" OC	-
S-5	LSL 1-1/2x7-1/4 @ 16" OC	-
S-6	(2) LSL 1-1/2x7-1/4 @ 16" OC	-

STRUCTURAL WALL STUD SCHEDULE		
MARK	STUDS	NOTES
W6	2x6 @ 16" OC	TYPICAL AT INTERIOR WALLS UNO
W6A	(2) 2x6 @ 16" OC	-
W6B	2x6 @ 12" OC	-
WXX	-	SEE S3.01 FRAMING ELEVATIONS
W8	2x8 @ 16" OC	SEE NOTE 3

- SCHEDULE NOTES:**
- SEE S/S.01 & 9/S.01 FOR WALL TYPE AND HEADER ELEVATION.
 - HEADERS SHALL BE LOCATED AS SHOWN ON ELEVATIONS AND PLANS.
 - WHERE STUD HEIGHT EXCEEDS 12'-0", AS INDICATED BY "(LSL)", REPLACE DIMENSIONAL STUDS WITH EQUIVALENT LSL.
 - ALL INTERIOR JAMBS SHALL BE TYPE T-0 TYP. UNO.
 - ALL INTERIOR HEADERS SHALL BE TYPE H-0 TYP. UNO.
 - ATTACH 2x TRIMMER STUDS TO KING STUDS PER 1/S.04.
 - ATTACH 3-1/2" TRIMMER STUDS TO KING STUDS PER 2/S.03.
 - PROVIDE (2) A35 FRAMING ANCHORS TOP AND BOT FOR TYPE T-7, T-8 AND T-9 KING STUDS.
 - SUBSTITUTIONS OF STRUCTURAL COMPOSITE LUMBER MAY BE MADE PER THE STRUCTURAL NOTES



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

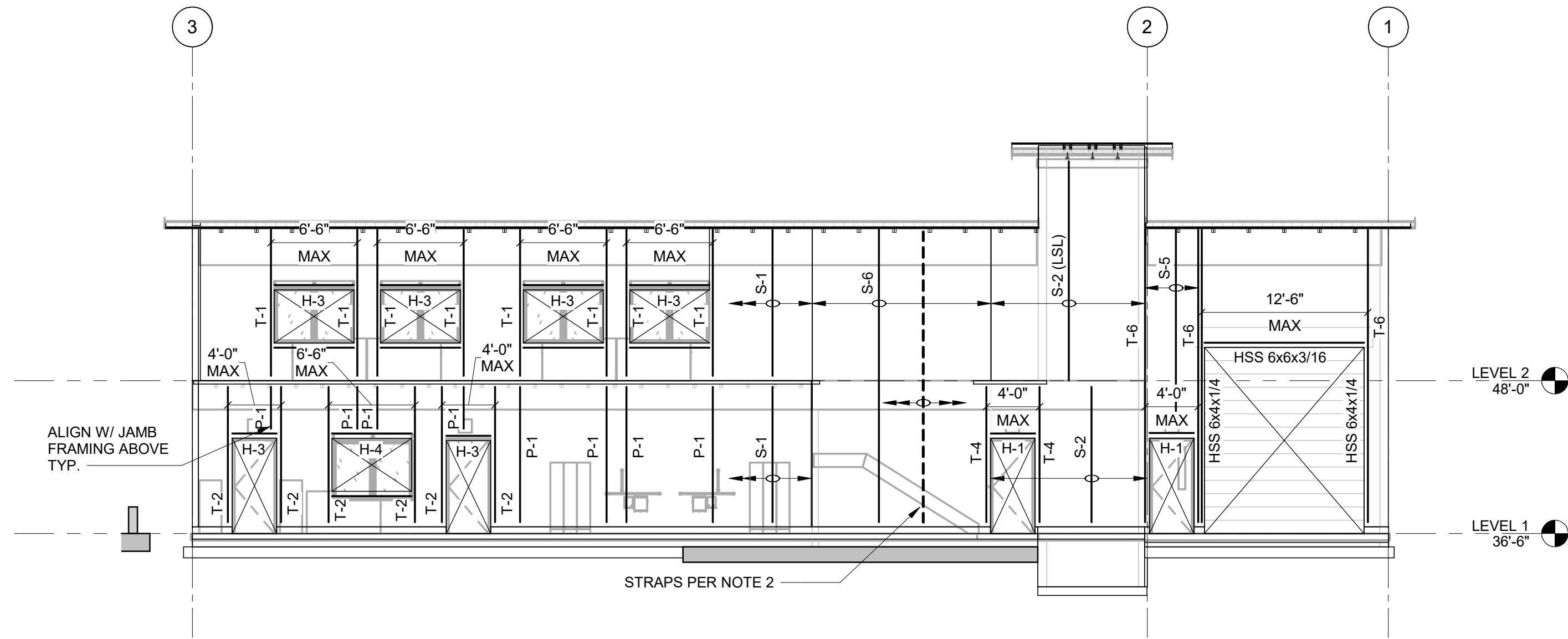
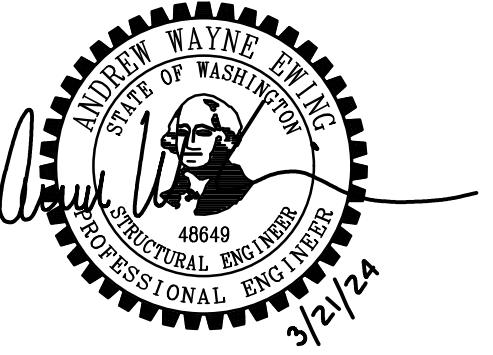
2 ELEVATOR ROOF FRAMING PLAN
1/4" = 1'-0"

- GENERAL PLAN NOTES:**
- G1. REFERENCE DRAWINGS:
 - S0.XX - STRUCTURAL NOTES, SPECIAL INSPECTION SCHEDULE, SYMBOLS AND ABBREVIATIONS
 - S1.XX - LOAD MAPS
 - S3.XX - ELEVATIONS
 - S4.XX - TYPICAL CONCRETE AND FOUNDATION DETAILS
 - S5.XX - TYPICAL WOOD DETAILS

- WOOD FRAMING PLAN NOTES:**
- W1. SEE THE ARCHITECTURAL DRAWINGS FOR WALL TYPES AND FOR NON-BEARING WALL LOCATIONS.
 - W2. ROOF SHEATHING SHALL BE 19/32 TONGUE AND GROOVE PER STRUCTURAL NOTES. SEE DIAPHRAGM NAILING SCHEDULE PER 1/S.05.
 - W3. DIMENSIONS SHOWN ARE TO FACE OF STUD, UNO.
 - W4. J-X INDICATES JOIST PER SCHEDULE.
 - W5. B-X INDICATES FLUSH FRAMED BEAM PER SCHEDULE.
 - W6. --- DENOTES CONTINUOUS SIMPSON CS14 OVER PLYWOOD SHEATHING W/ 0.148x2-1/2" FASTENERS @ 2-1/16" OC (EVERY OTHER HOLE); PROVIDE 18" LAP SPLICES W/ (6) 0.148x2-1/2" FASTENERS.
 - W7. [Cross-hatch pattern] INDICATES WOOD OVERFRAMING CONSISTING OF 2x4 @ 16" OC PONY WALLS AT 32" OC CENTERED ON ROOF TRUSSES W/ SHEATHING AND NAILING TO MATCH ROOF BELOW; SEE 10/S.21.

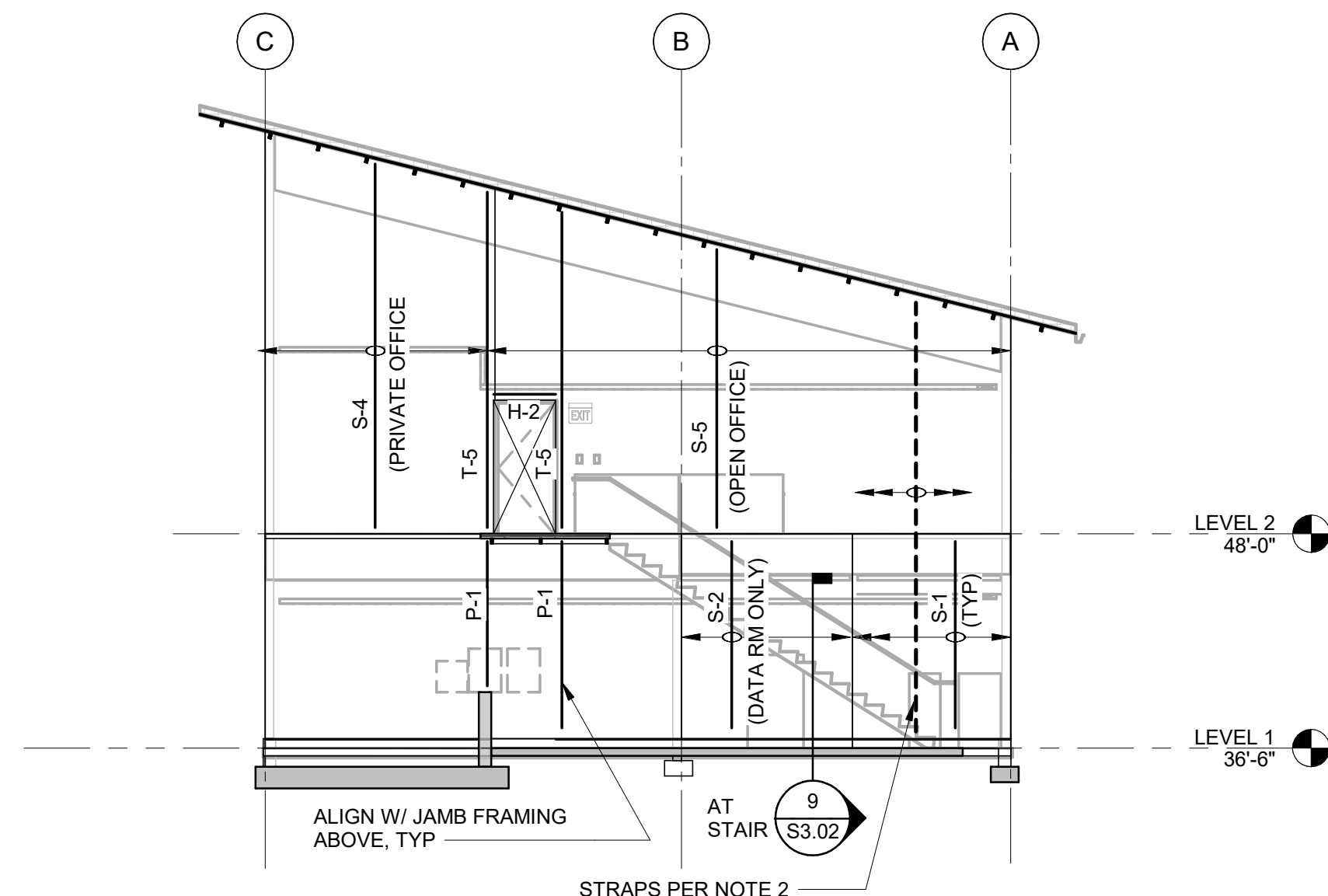
- ROOF FRAMING PLAN KEY NOTES:**
- R.1 SHEATHING AND NAILING AT ELEVATOR ROOF TO MATCH ROOF BELOW.
 - R.2 EXTEND ELEVATOR WALL STUDS CONTINUOUS FROM BELOW. ALL WALLS TO BE TYPE SW6 SHEAR WALLS.
 - R.3 CONNECT RIM JOISTS W/ L50 ANGLE.
 - R.4 CONNECT RIM JOIST TO OUTLOOKERS W/ (2) L30 ANGLES, ONE EA SIDE.
 - R.5 PROVIDE W8x31 ELEVATOR HOIST BEAM BELOW CENTERED AT SHAFT; ATTACH AT SHAFT WALL EA END PER 4/S.07.

ISSUE LIST
PERMIT ISSUE 5/23/23
BID ISSUE 3/21/24



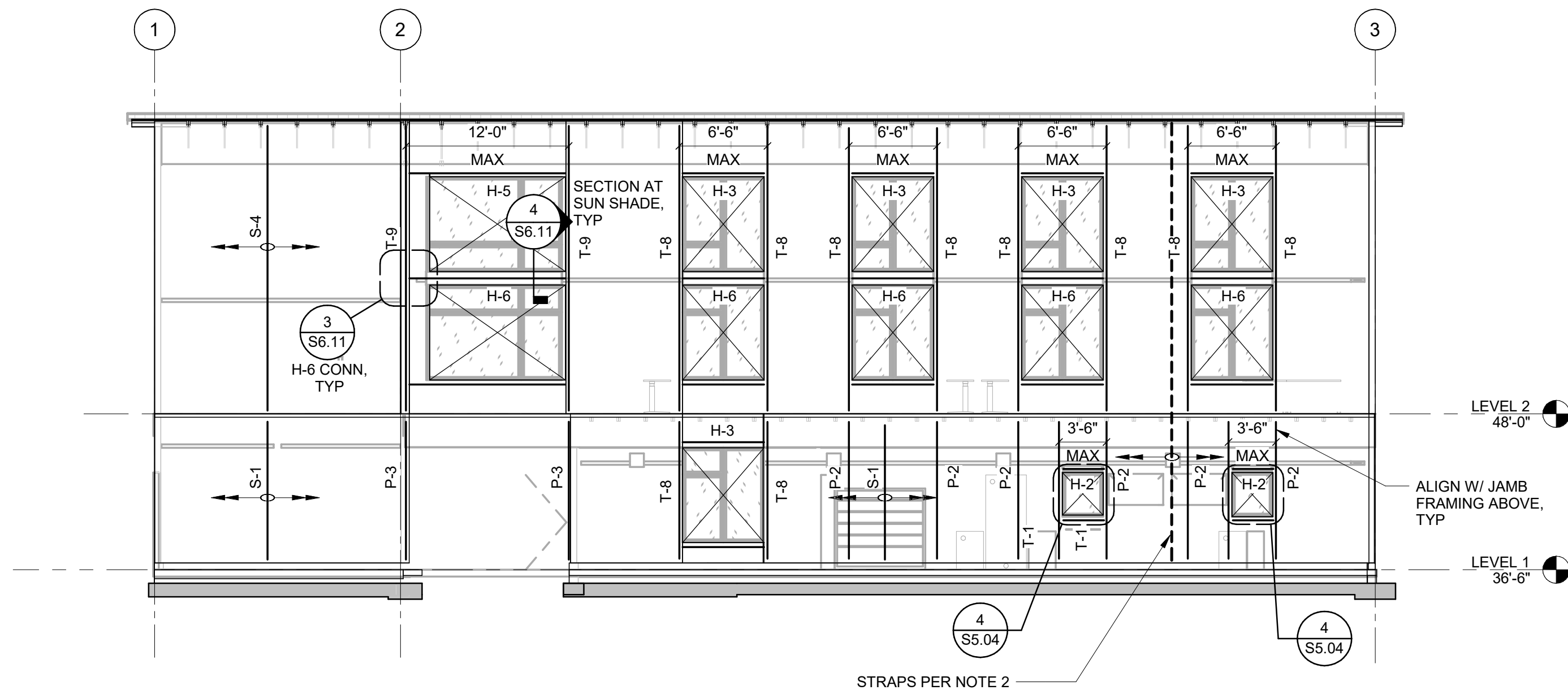
- NOTES:**
- EXTERIOR STUDS AND JAMBS MAY HAVE BORED HOLES PER 12/S5.03 BUT SHALL NOT BE NOTCHED.
 - DENOTES SIMPSON CONTINUOUS CS14 OVER PLYWOOD SHEATHING @ 6'-0" OC (ALIGNED WITH STUDS) W/ 0.148x2-1/2" FASTENERS @ 2'-11/16" OC (EVERY OTHER HOLE); PROVIDE 18" LAP SPLICES W/ (6) 0.148x2-1/2" FASTENERS.

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



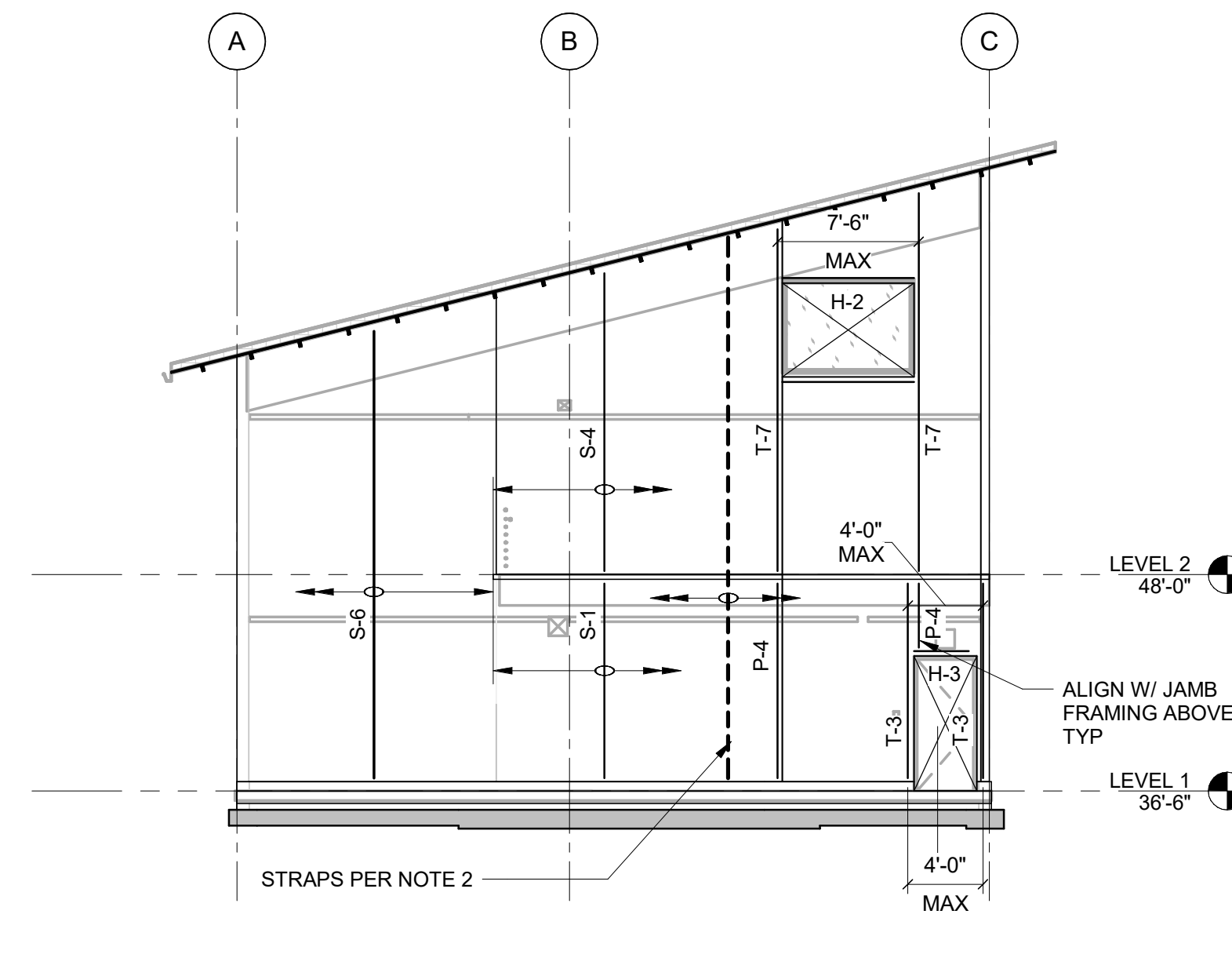
- NOTES:**
- EXTERIOR STUDS AND JAMBS MAY HAVE BORED HOLES PER 12/S5.03 BUT SHALL NOT BE NOTCHED.
 - DENOTES SIMPSON CONTINUOUS CS14 OVER PLYWOOD SHEATHING @ 10'-0" OC (ALIGNED WITH STUDS) W/ 0.148x2-1/2" FASTENERS @ 2'-11/16" OC (EVERY OTHER HOLE); PROVIDE 18" LAP SPLICES W/ (6) 0.148x2-1/2" FASTENERS.

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



- NOTES:**
- EXTERIOR STUDS AND JAMBS MAY HAVE BORED HOLES PER 12/S5.03 BUT SHALL NOT BE NOTCHED.
 - DENOTES SIMPSON CONTINUOUS CS14 OVER PLYWOOD SHEATHING @ 4'-0" OC (ALIGNED WITH STUDS) W/ 0.148x2-1/2" FASTENERS @ 2'-11/16" OC (EVERY OTHER HOLE); PROVIDE 18" LAP SPLICES W/ (6) 0.148x2-1/2" FASTENERS.

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



- NOTES:**
- EXTERIOR STUDS AND JAMBS MAY HAVE BORED HOLES PER 12/S5.03 BUT SHALL NOT BE NOTCHED.
 - DENOTES SIMPSON CONTINUOUS CS14 OVER PLYWOOD SHEATHING @ 10'-0" OC (ALIGNED WITH STUDS) W/ 0.148x2-1/2" FASTENERS @ 2'-11/16" OC (EVERY OTHER HOLE); PROVIDE 18" LAP SPLICES W/ (6) 0.148x2-1/2" FASTENERS.

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

POST SCHEDULE	
TYPE MARK	TYPE
P-1	(2) 2x6
P-2	(7) 2x6
P-3	5-1/4"x11-7/8"
P-4	(6) 2x6

BEAM SCHEDULE	
TYPE MARK	TYPE
B-1	5-1/8"x12" GLULAM
B-2	5-1/8"x18" GLULAM
B-3	5-1/8"x16 1/2" GLULAM
B-4	6-3/4"x12" GLULAM
B-5	6-3/4"x9" GLULAM

HEADER SCHEDULE		
WALL TYPE AND/OR TYPE MARK	HEADER SIZE	MAX ROUGH OPENING WIDTH
H-0	(1) LSL 1-3/4x7-1/4	4'-0"
H-1	(2) LSL 1-3/4x7-1/4	SEE ELEVATION
H-2	LSL 3-1/2x5-1/2	SEE ELEVATION
H-3	LSL 3-1/2x9-1/2	SEE ELEVATION
H-4	LSL 5-1/4x11-7/8	SEE ELEVATION
H-5	PSL 5-1/4x11-7/8	SEE ELEVATION
H-6	HSS5x4x3/16	SEE ELEVATION

JAMB SCHEDULE			
TYPE MARK	TRIMMER STUDS	KING STUDS	COMMENTS
T-0	(2) LSL 1-1/2x5-1/2	(1) 2x6	NOTE 6
T-1	(1) 2x6	(1) 2x6	NOTE 6
T-2	(2) 2x6	(1) 2x6	NOTE 6
T-3	(1) 2x6	(2) 2x6	NOTE 6
T-4	(1) 2x8	(1) 2x8	NOTE 6
T-5	(1) LSL 1-1/2x7-1/4	LSL 1-1/2x7-1/4	NOTE 6
T-6	LSL 1-1/2x7-1/4	(2) LSL 1-1/2x7-1/4	NOTE 6
T-7	LSL 1-1/2x5-1/2	PSL 5-1/4x7 (PLANK)	NOTES 7 & 8
T-8	LSL 3-1/2x5-1/2	PSL 5-1/4x7 (PLANK)	NOTES 7 & 8
T-9	PSL 3-1/2x5-1/4	PSL 5-1/4x11-7/8 (PLANK)	NOTES 7 & 8

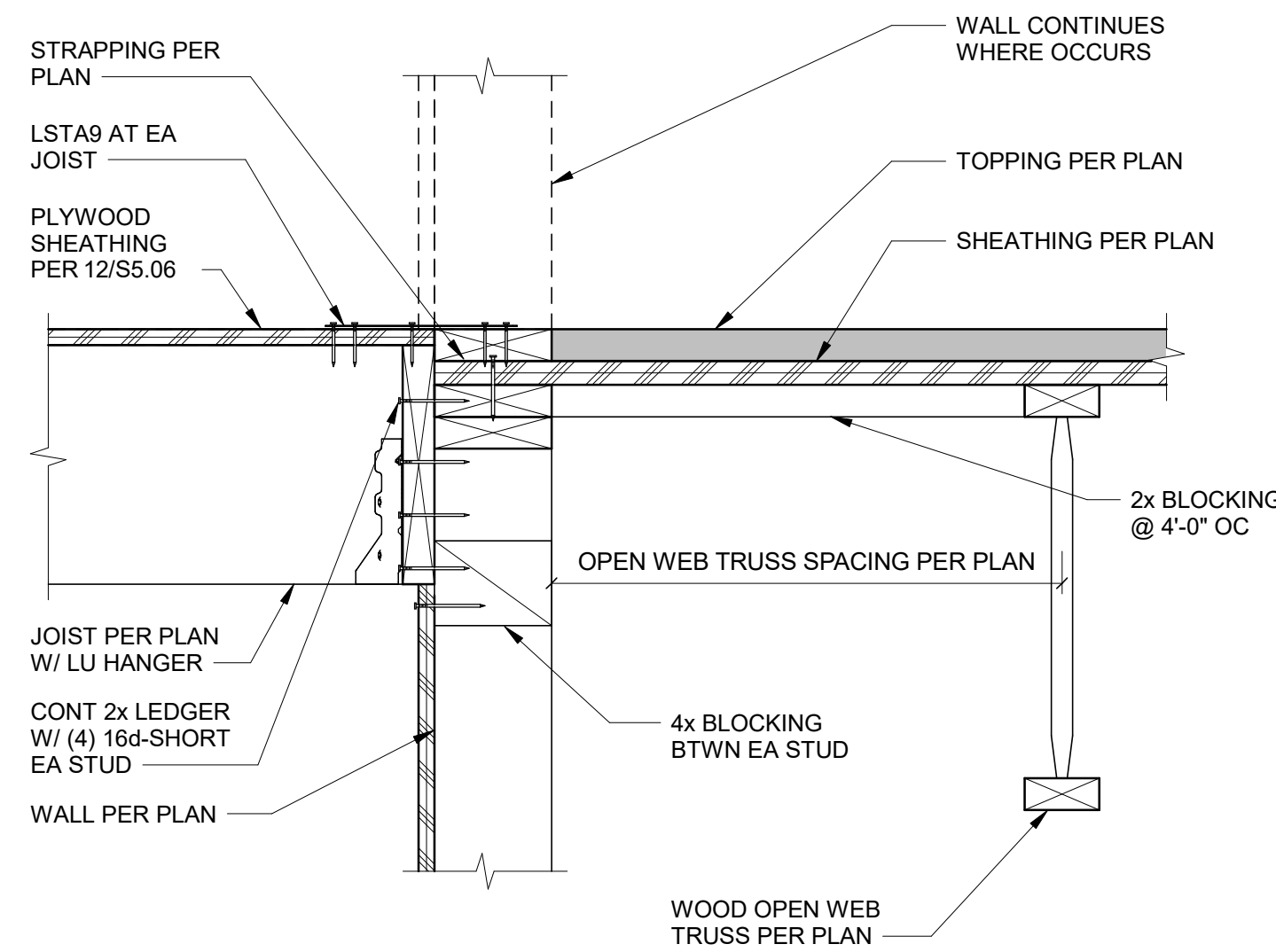
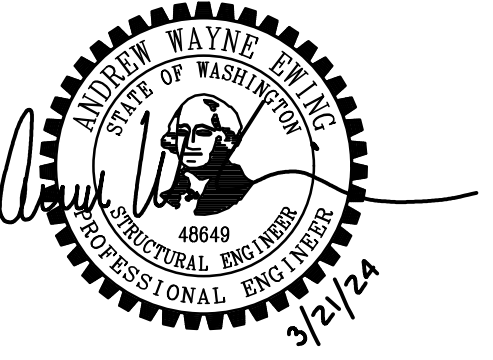
JOIST SCHEDULE	
TYPE MARK	TYPE AND SPACING
J-1	16" RED-I65 @ 24" OC
J-2	16" RED-I65 @ 12" OC
J-3	18" RED-I65 @ 16" OC
J-4	2x12 @ 24" OC

STUD SCHEDULE		
TYPE MARK	TYPE	NOTES
S-1	2x6 @ 16" OC	-
S-2	2x8 @ 16" OC	SEE NOTE 3
S-3	LSL 1-1/2x5-1/2 @ 16" OC	-
S-4	(2) LSL 1-3/4x5-1/2 @ 16" OC	-
S-5	LSL 1-1/2x7-1/4 @ 16" OC	-
S-6	(2) LSL 1-1/2x7-1/4 @ 16" OC	-

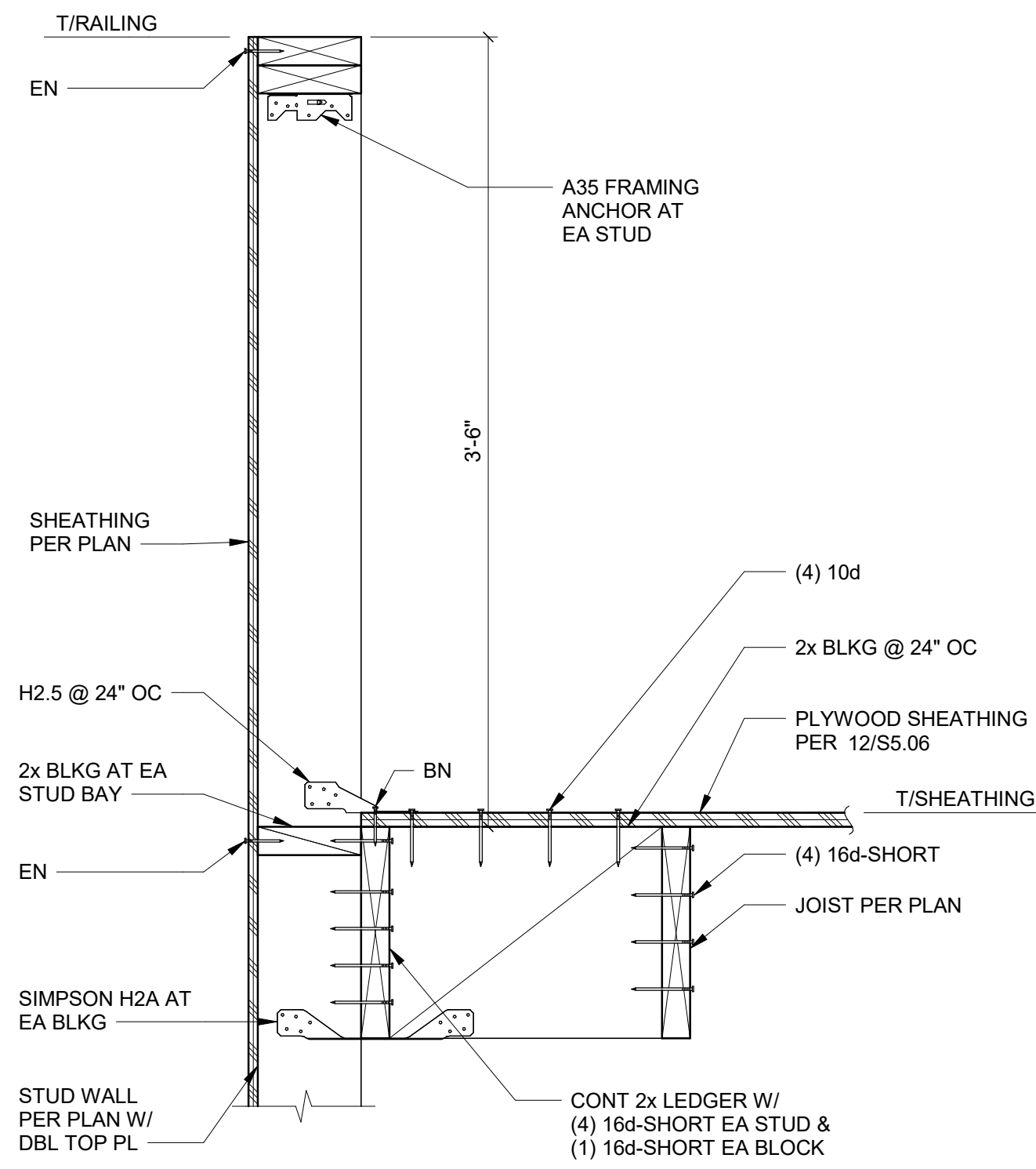
STRUCTURAL WALL STUD SCHEDULE		
MARK	STUDS	NOTES
W6	2x6 @ 16" OC	TYPICAL AT INTERIOR WALLS UNO
W6A	(2) 2x6 @ 16" OC	-
W6B	2x6 @ 12" OC	-
WXX	-	SEE S3.01 FRAMING ELEVATIONS
W8	2x8 @ 16" OC	SEE NOTE 3

- SCHEDULE NOTES:**
- SEE S/S5.01 & 9/S5.01 FOR WALL TYPE AND HEADER ELEVATION.
 - HEADERS SHALL BE LOCATED AS SHOWN ON ELEVATIONS AND PLANS.
 - WHERE STUD HEIGHT EXCEEDS 12'-0", AS INDICATED BY "(LSL)", REPLACE DIMENSIONAL STUDS WITH EQUIVALENT LSL.
 - ALL INTERIOR JAMBS SHALL BE TYPE T-0 TYP. UNO.
 - ALL INTERIOR HEADERS SHALL BE TYPE H-0 TYP. UNO.
 - ATTACH 2x TRIMMER STUDS TO KING STUDS PER 1/S5.04.
 - ATTACH 3-1/2 TRIMMER STUDS TO KING STUDS PER 2/S5.03.
 - PROVIDE (2) A35 FRAMING ANCHORS TOP AND BOT FOR TYPE T-7, T-8 AND T-9 KING STUDS.
 - SUBSTITUTIONS OF STRUCTURAL COMPOSITE LUMBER MAY BE MADE PER THE STRUCTURAL NOTES.

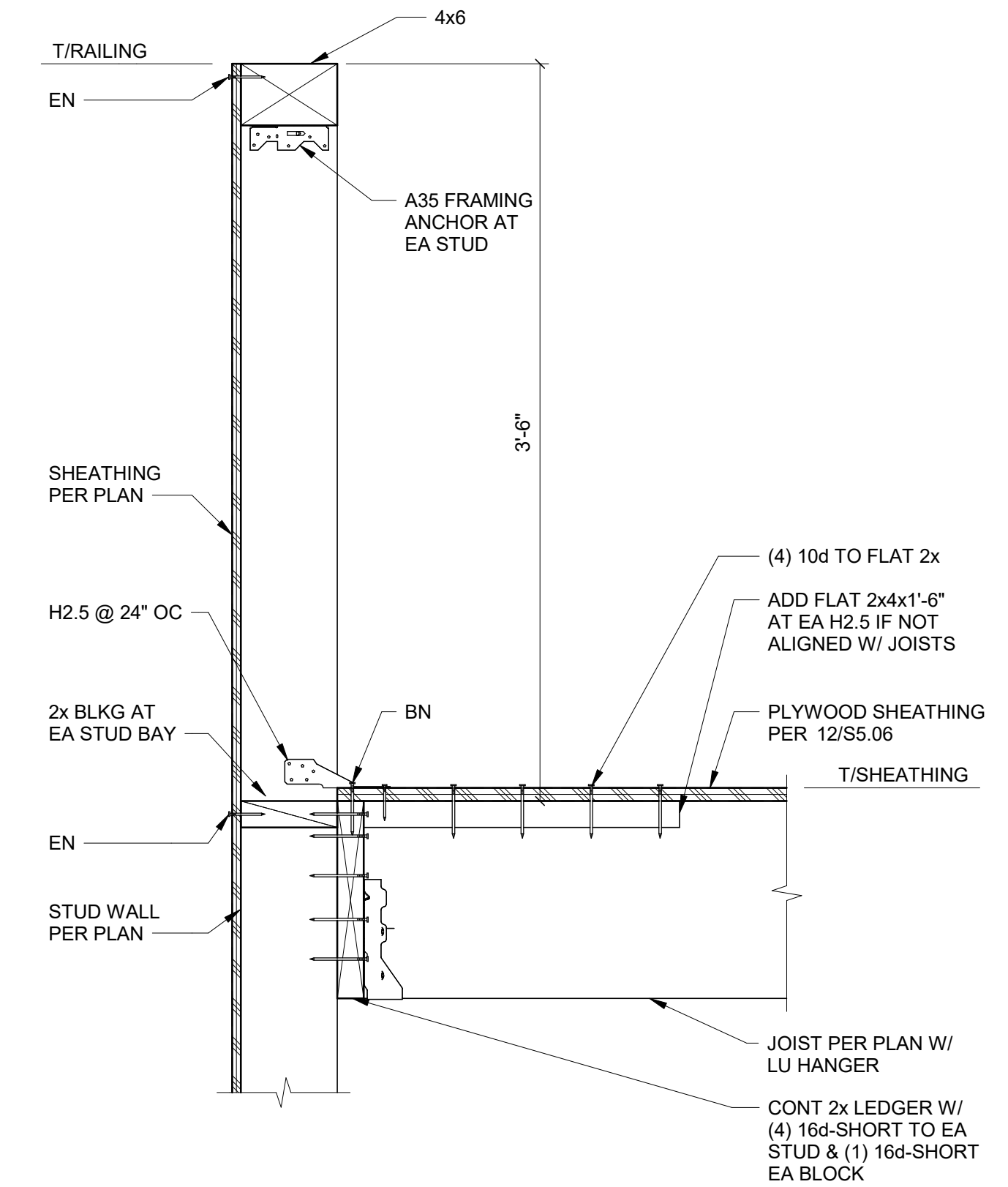
ISSUE LIST	
PERMIT ISSUE	5/23/23
PERMIT RESPONSE	7/17/23
BID ISSUE	3/21/24



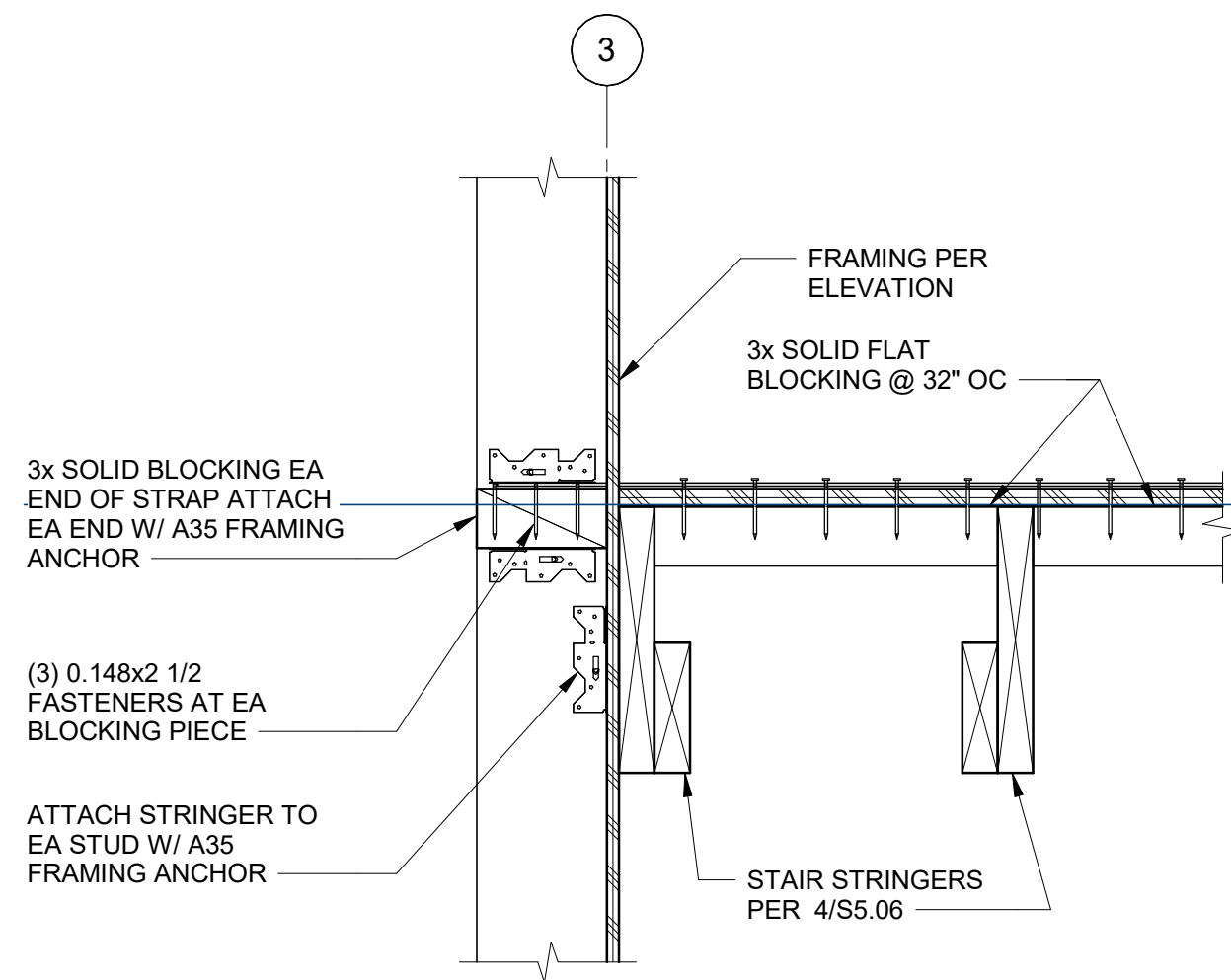
6 EAST STAIR WALL SECTION
1 1/2" = 1'-0"



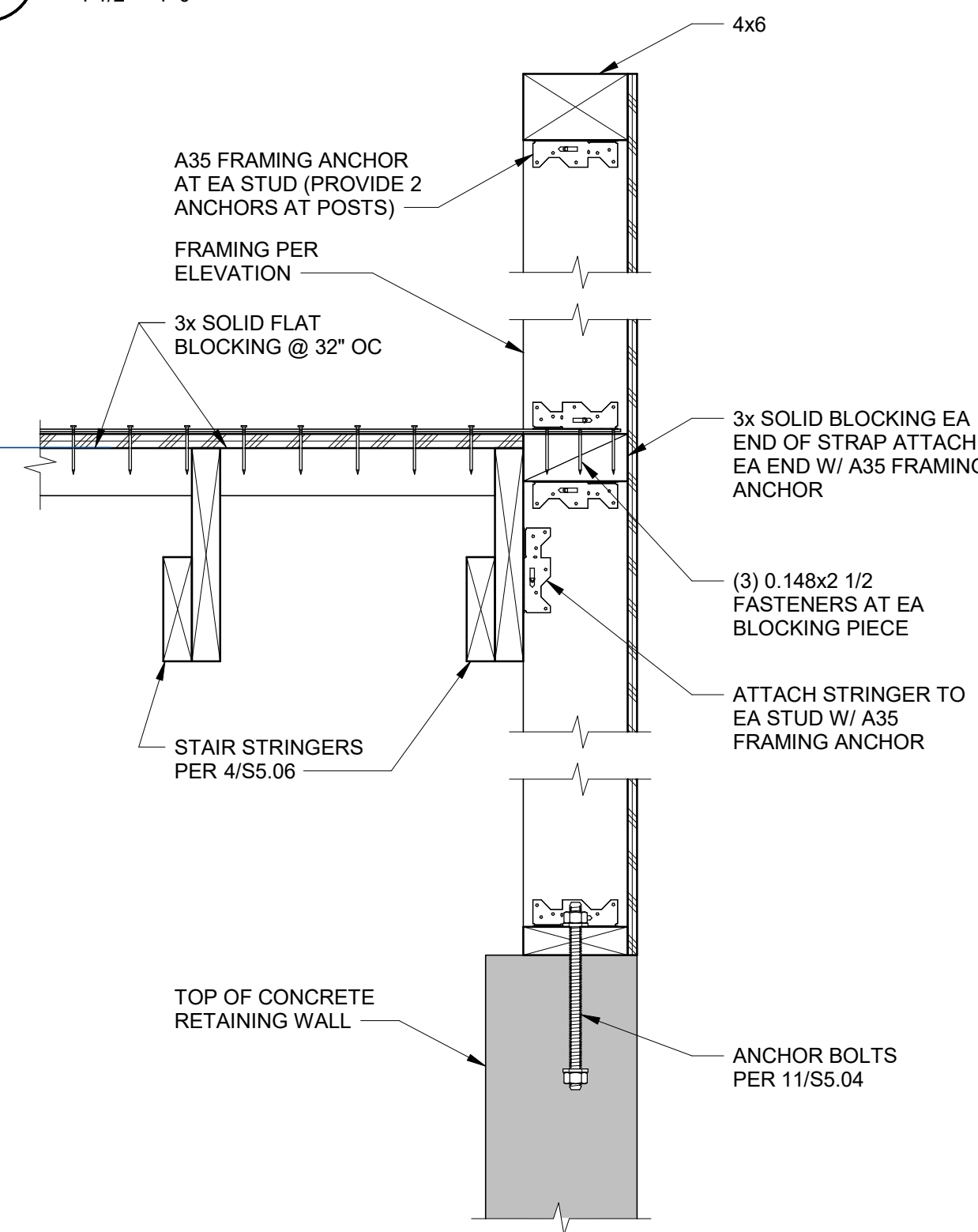
7 EAST STAIR WALL SECTION
NO SCALE



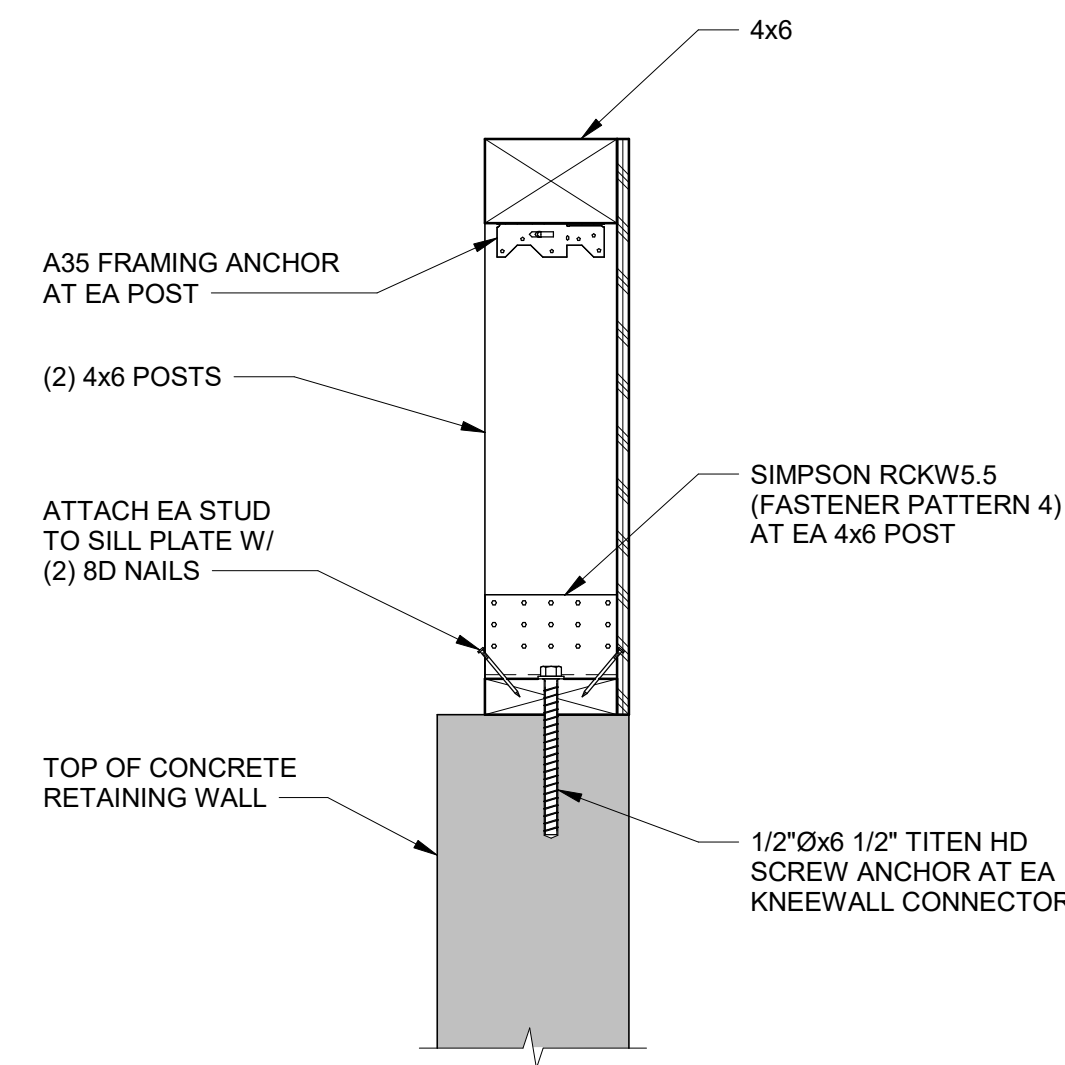
8 EAST STAIR WALL SECTION
NO SCALE



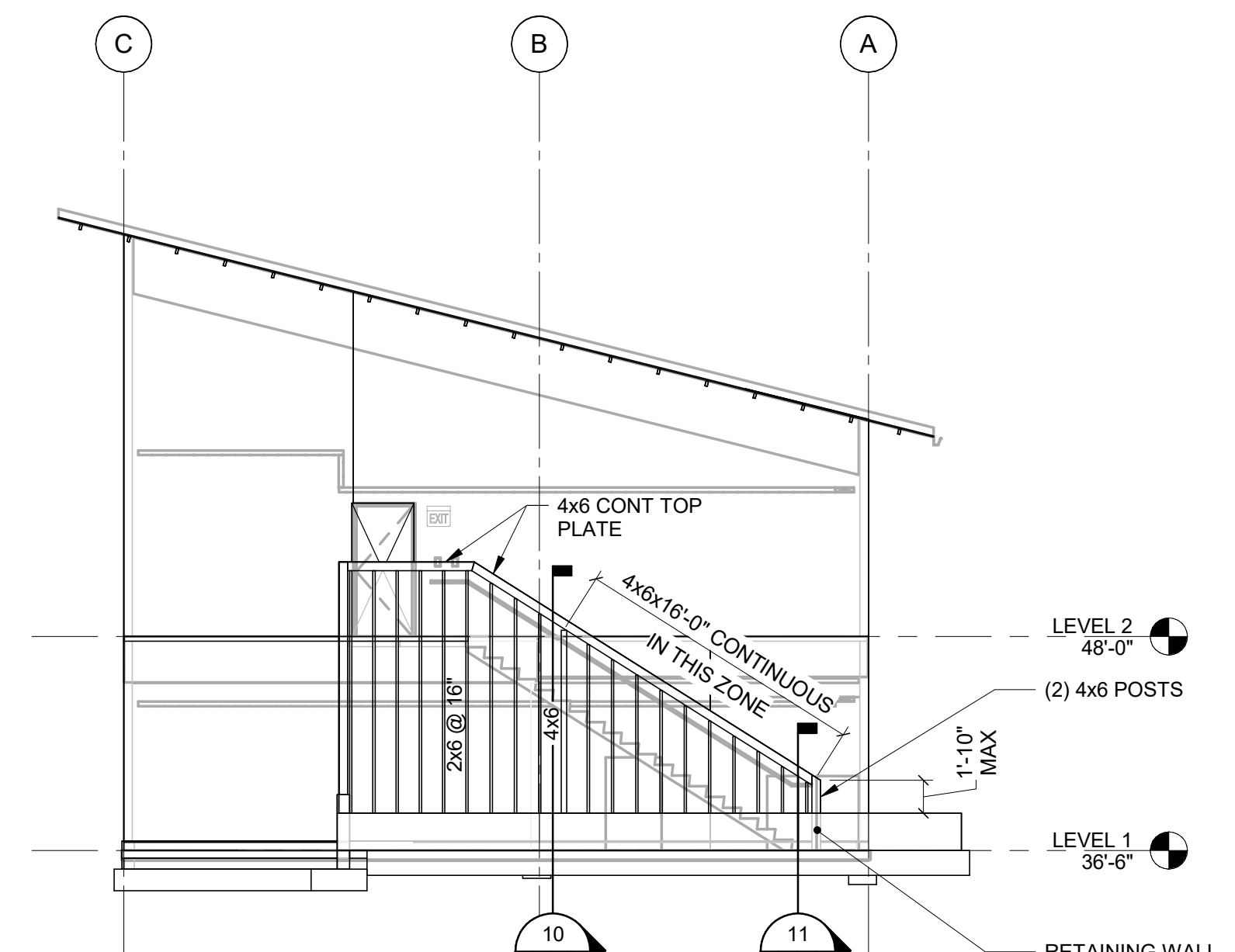
9 EAST STAIR WALL SECTION
1 1/2" = 1'-0"



10 EAST STAIR WALL SECTION
1 1/2" = 1'-0"



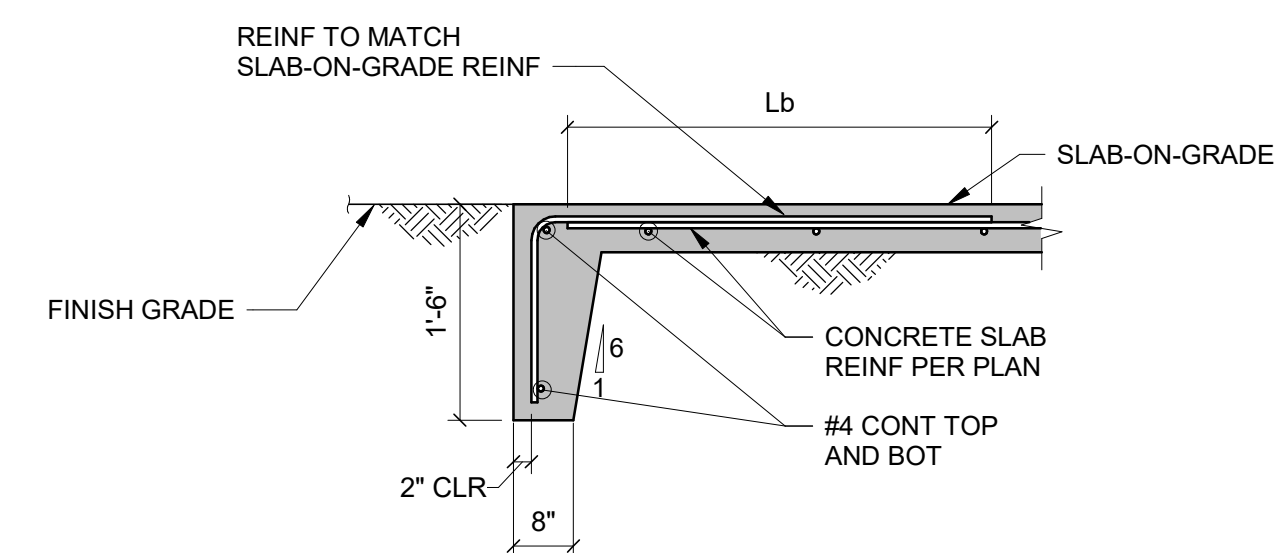
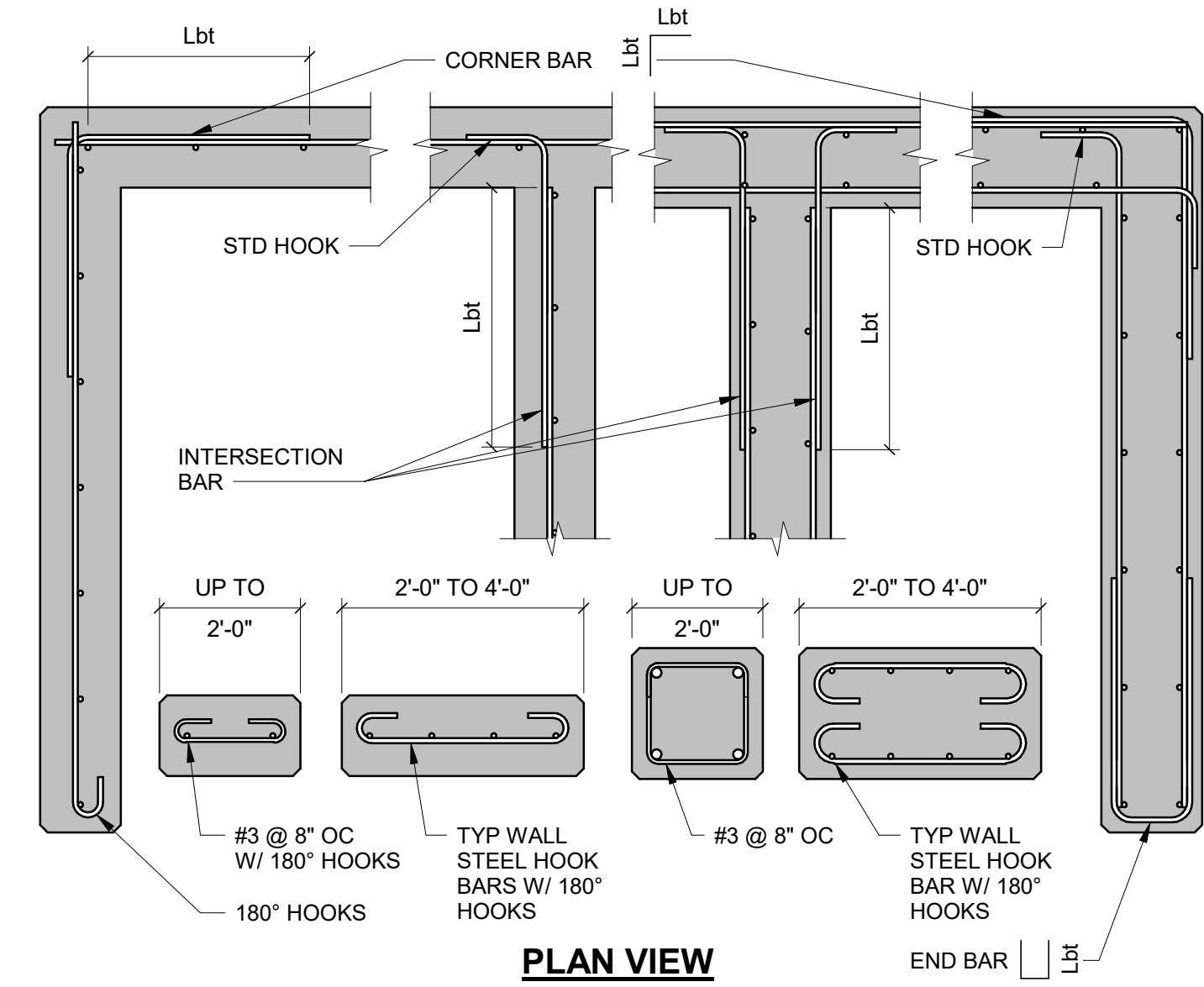
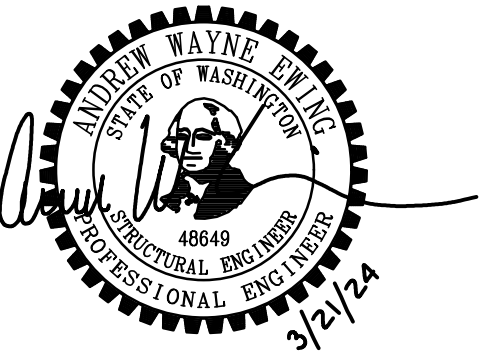
11 EAST STAIR WALL SECTION
1 1/2" = 1'-0"



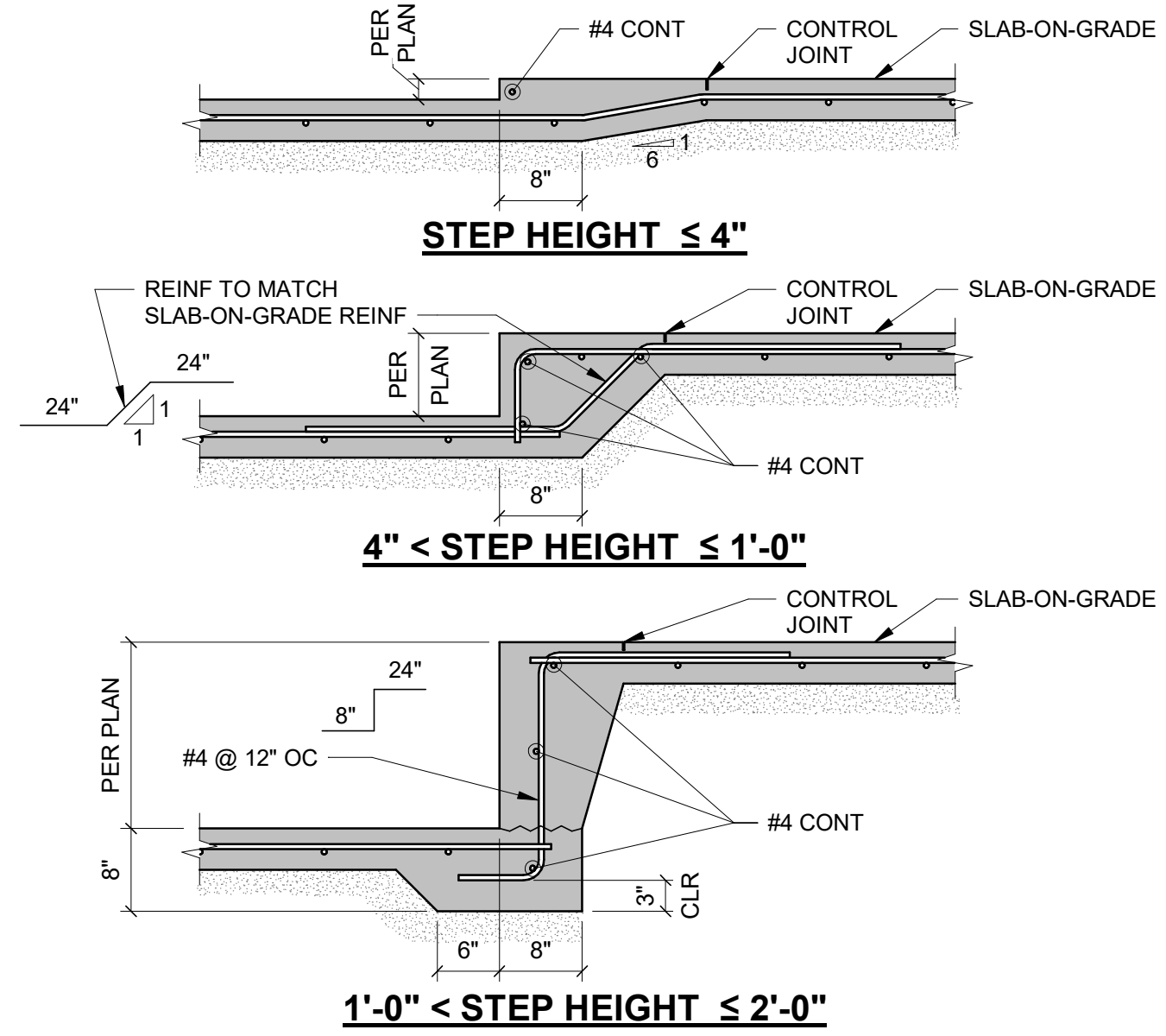
12 EAST ELEVATION - EXTERIOR STAIR
1/8" = 1'-0"

NOTES:
1. EXTERIOR STUDS AND JAMBS MAY HAVE BORED HOLES PER 12/S5.03 BUT SHALL NOT BE NOTCHED.

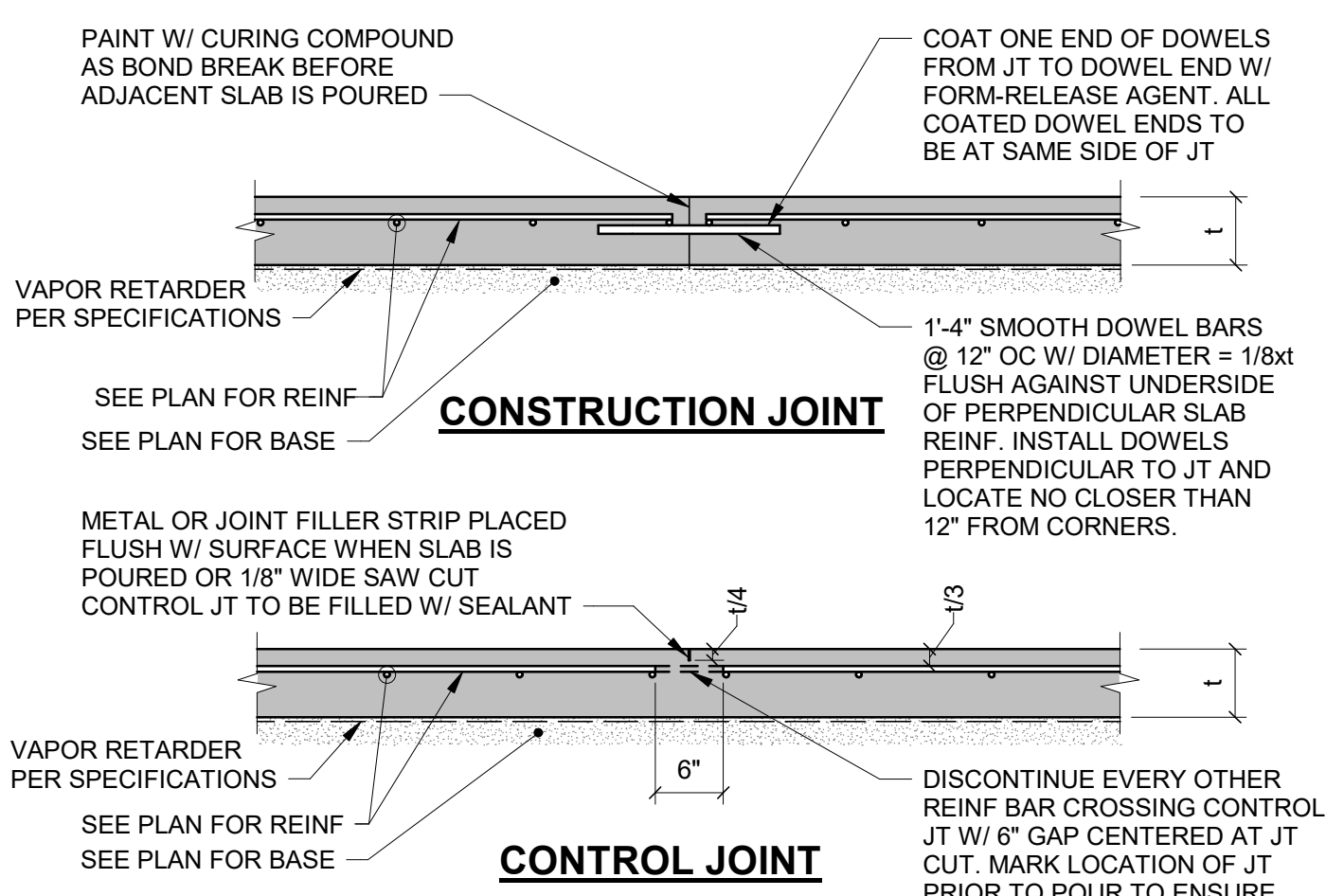
ISSUE LIST	
PERMIT ISSUE	5/23/23
BID ISSUE	3/21/24



3 TYP THICKENED SLAB EDGE
NO SCALE

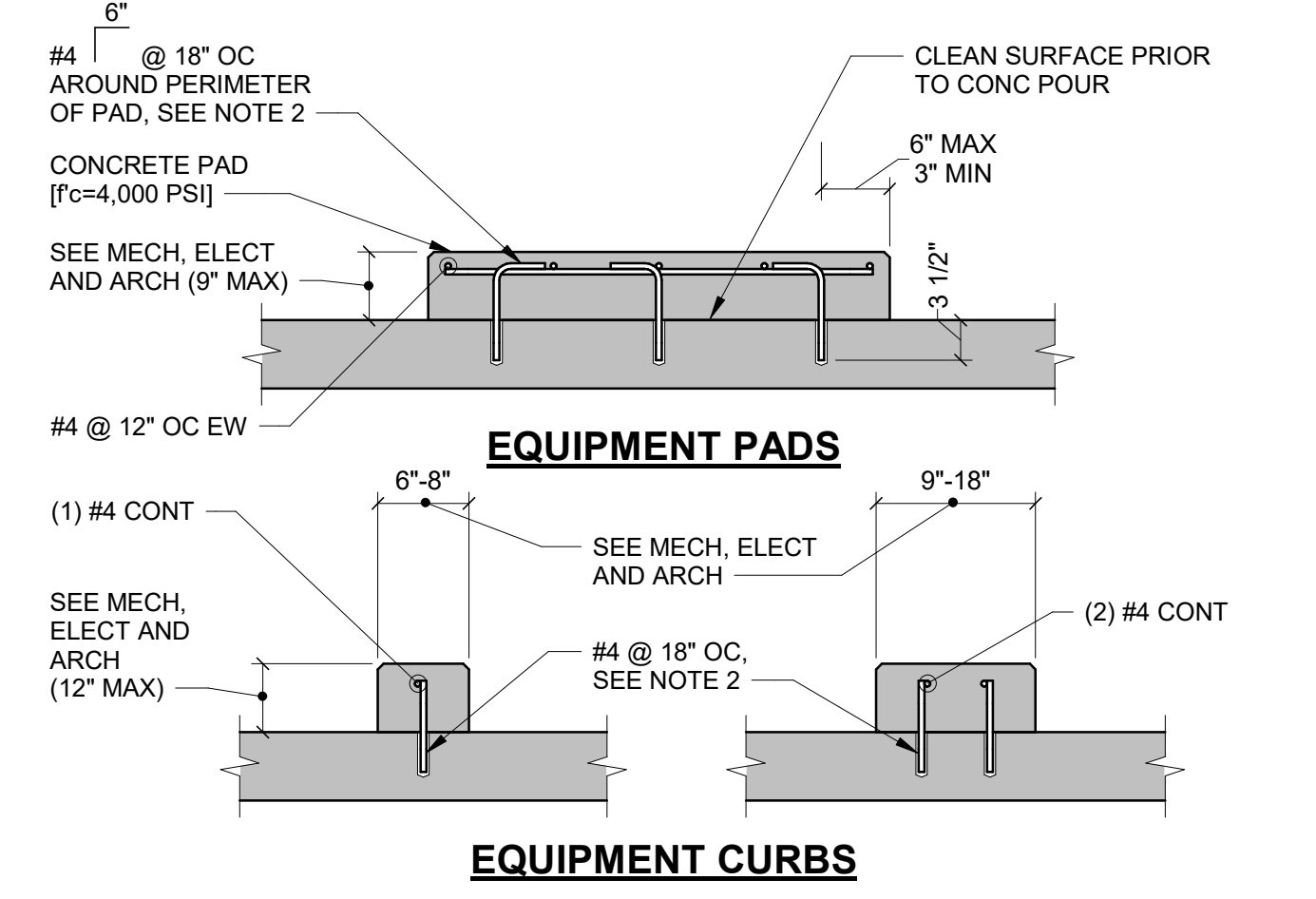


7 TYP SLAB-ON-GRADE STEP
NO SCALE



11 TYP SOG CONTROL & CONSTRUCTION JOINTS
NO SCALE

4 TYP CONCRETE WALL DETAILS
NO SCALE



NOTES:
1. EQUIPMENT PAD SIZE TO BE 6" LARGER THAN EQUIPMENT IN EACH DIRECTION, UNLESS NOTED OTHERWISE. COORDINATE EXACT SIZE AND LOCATION OF CURB AND PADS WITH EQUIPMENT PROVIDED.
2. ATTACH REINFORCING TO SLAB WITH ADHESIVE ANCHORING SYSTEM PER STRUCTURAL NOTES.

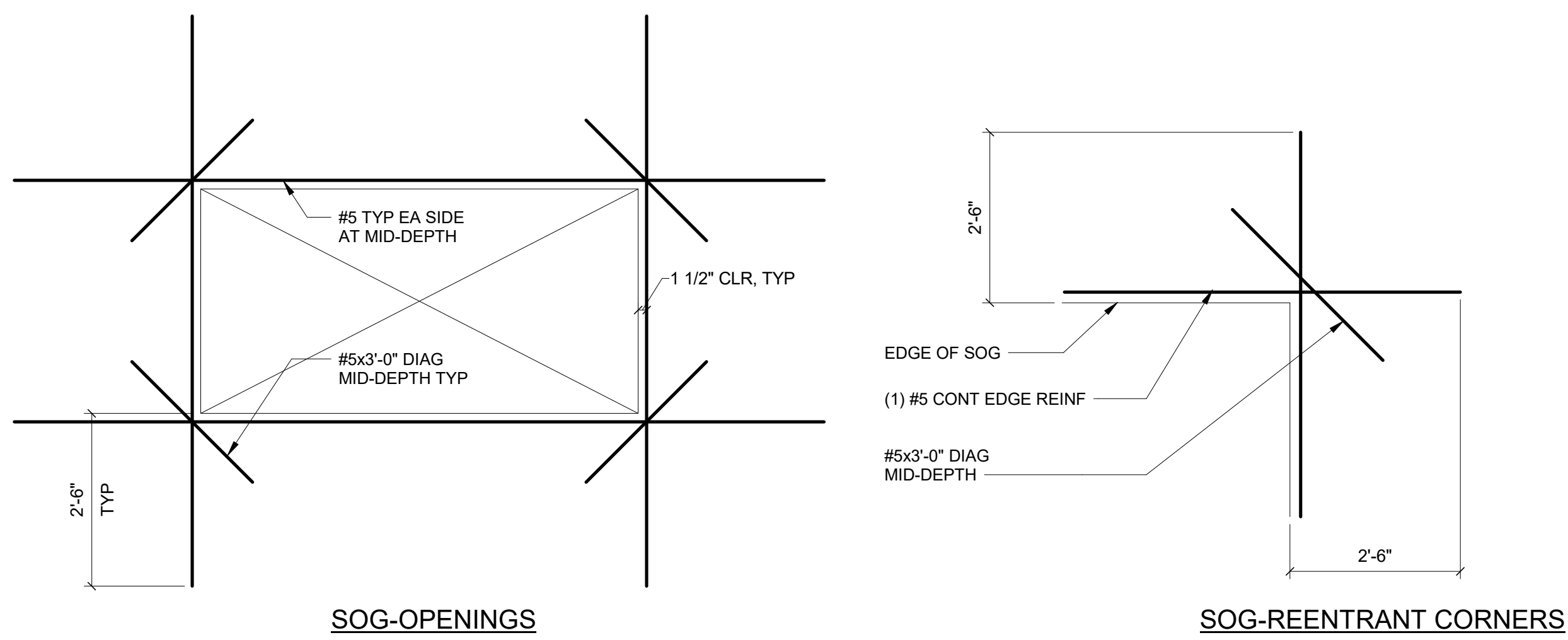
8 TYP CURBS & PADS ON CONCRETE SLABS
NO SCALE

SIZE	f'c = 3,000 PSI					f'c = 4,000 PSI				
	Ld	Ldt	Lb	Lbt	Ldh	Ld	Ldt	Lb	Lbt	Ldh
#4	22 (33)	28 (43)	28 (43)	37 (56)	11	#4	19 (28)	25 (37)	32 (48)	9
#5	27 (41)	36 (53)	36 (53)	46 (69)	14	#5	24 (36)	31 (46)	40 (60)	12
#6	33 (49)	43 (64)	43 (64)	56 (83)	16	#6	28 (43)	37 (55)	48 (72)	14
#7	48 (72)	62 (93)	62 (93)	81 (121)	19	#7	42 (62)	54 (81)	70 (105)	17
#8	55 (82)	71 (107)	71 (107)	93 (139)	22	#8	47 (71)	62 (92)	80 (120)	19
#9	62 (93)	80 (120)	80 (120)	104 (157)	25	#9	54 (80)	70 (104)	90 (136)	21
#10	70 (104)	90 (136)	90 (136)	118 (176)	28	#10	60 (90)	78 (117)	102 (153)	24
#11	77 (116)	100 (151)	100 (151)	131 (196)	31	#11	67 (100)	87 (130)	113 (170)	27

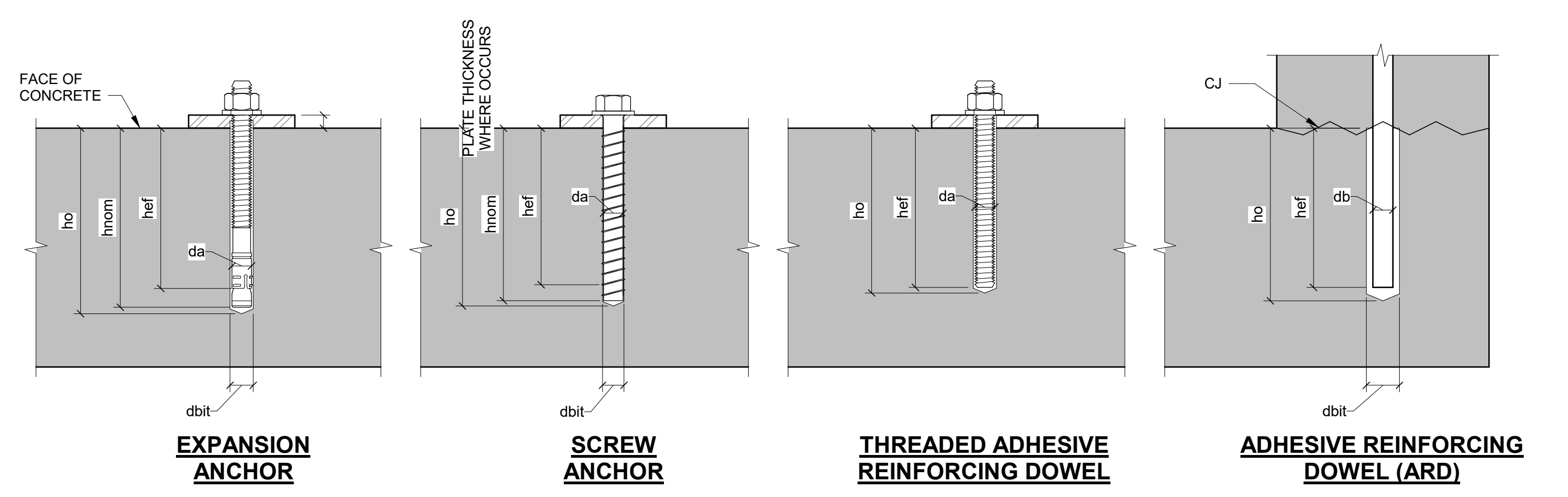
NOTES:
1. USE THE LENGTHS IN THIS SCHEDULE, UNLESS NOTED OTHERWISE.
2. USE LENGTH IN () WHEN BAR COVER IS db OR LESS OR BAR CLEAR SPACING IS 2db OR LESS.
3. A TOP BAR IS A HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW IT.

ABBREVIATIONS
db = BAR DIAMETER
Ld = TENSION DEVELOPMENT LENGTH
Ldt = TENSION DEVELOPMENT LENGTH FOR A TOP BAR
Lb = CLASS B LAP SPLICE LENGTH, 1.3 Ld
Lbt = CLASS B LAP SPLICE LENGTH FOR A TOP BAR, 1.3 Ldt
Ldh = TENSION DEVELOPMENT LENGTH FOR A STANDARD HOOK

12 DEVELOPMENT AND SPLICE LENGTH SCHED
12" = 1'-0"



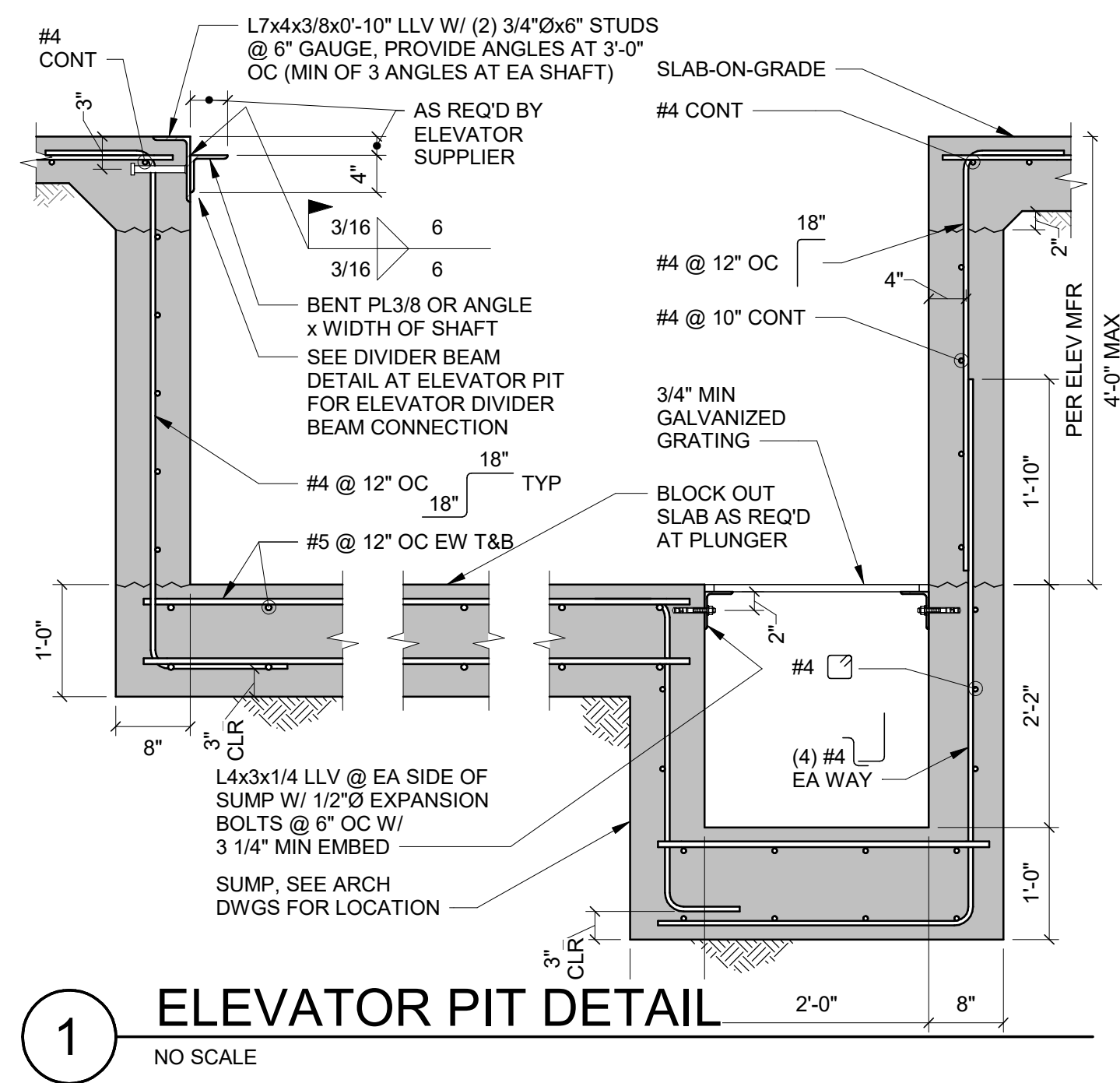
5 TYPICAL SLAB ON GRADE TRIM REINFORCING
3/4" = 1'-0"



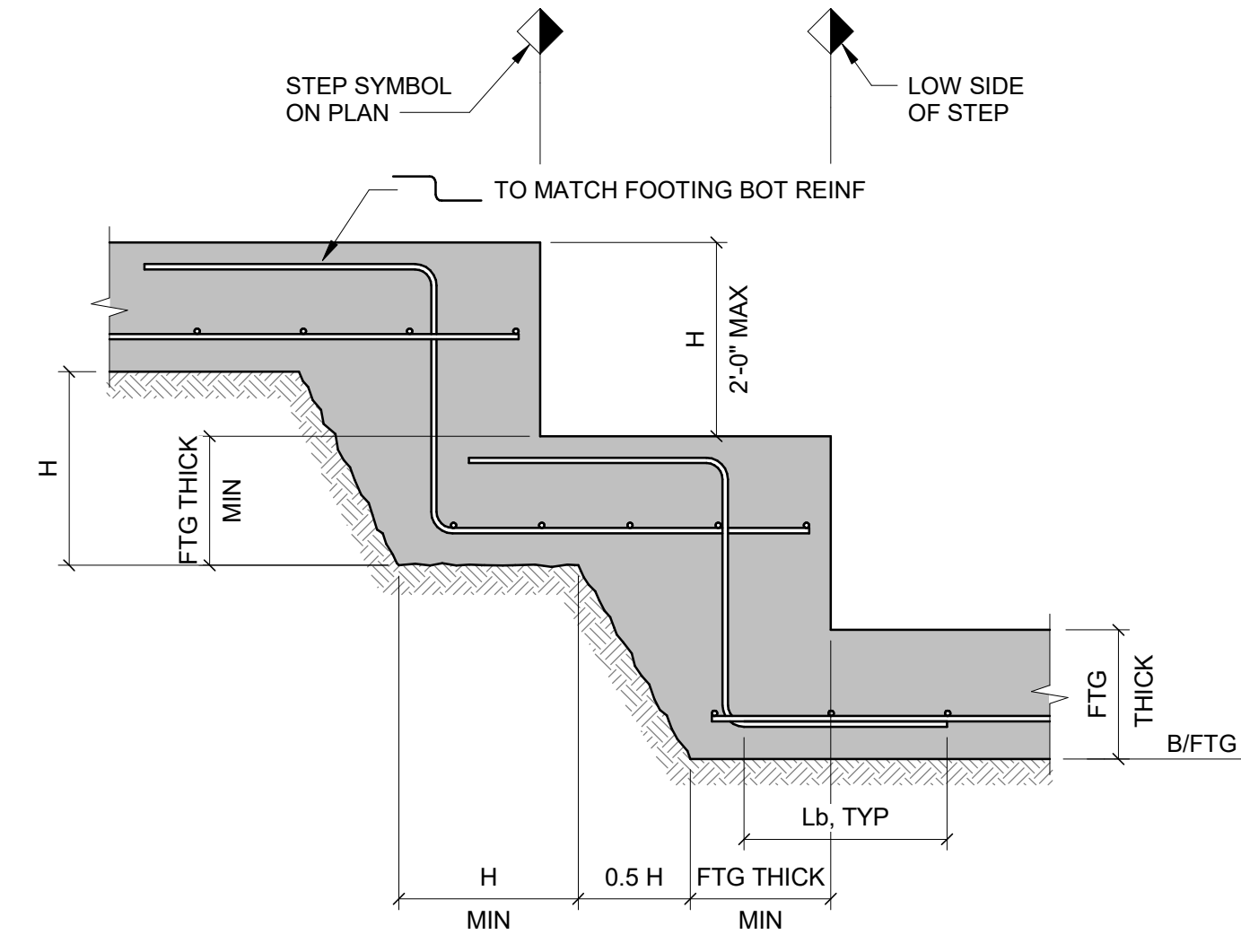
NOTES:
1. REFER TO STRUCTURAL NOTES FOR APPROVED ANCHOR(S) AND EVALUATION REPORT(S).

ABBREVIATIONS
hef = EFFECTIVE EMBEDMENT PER DRAWINGS
hnom = NOMINAL EMBEDMENT REQUIRED TO ACHIEVE EFFECTIVE EMBEDMENT PER EVALUATION REPORT. FOR EXPANSION ANCHORS, THIS APPLIES TO THE CONDITION PRIOR TO APPLICATION OF TORQUE.
ho = MINIMUM HOLE DEPTH PER EVALUATION REPORT
da, db = DIAMETER OF ANCHOR/BAR PER DRAWINGS
dbit = DIAMETER OF DRILL BIT PER EVALUATION REPORT

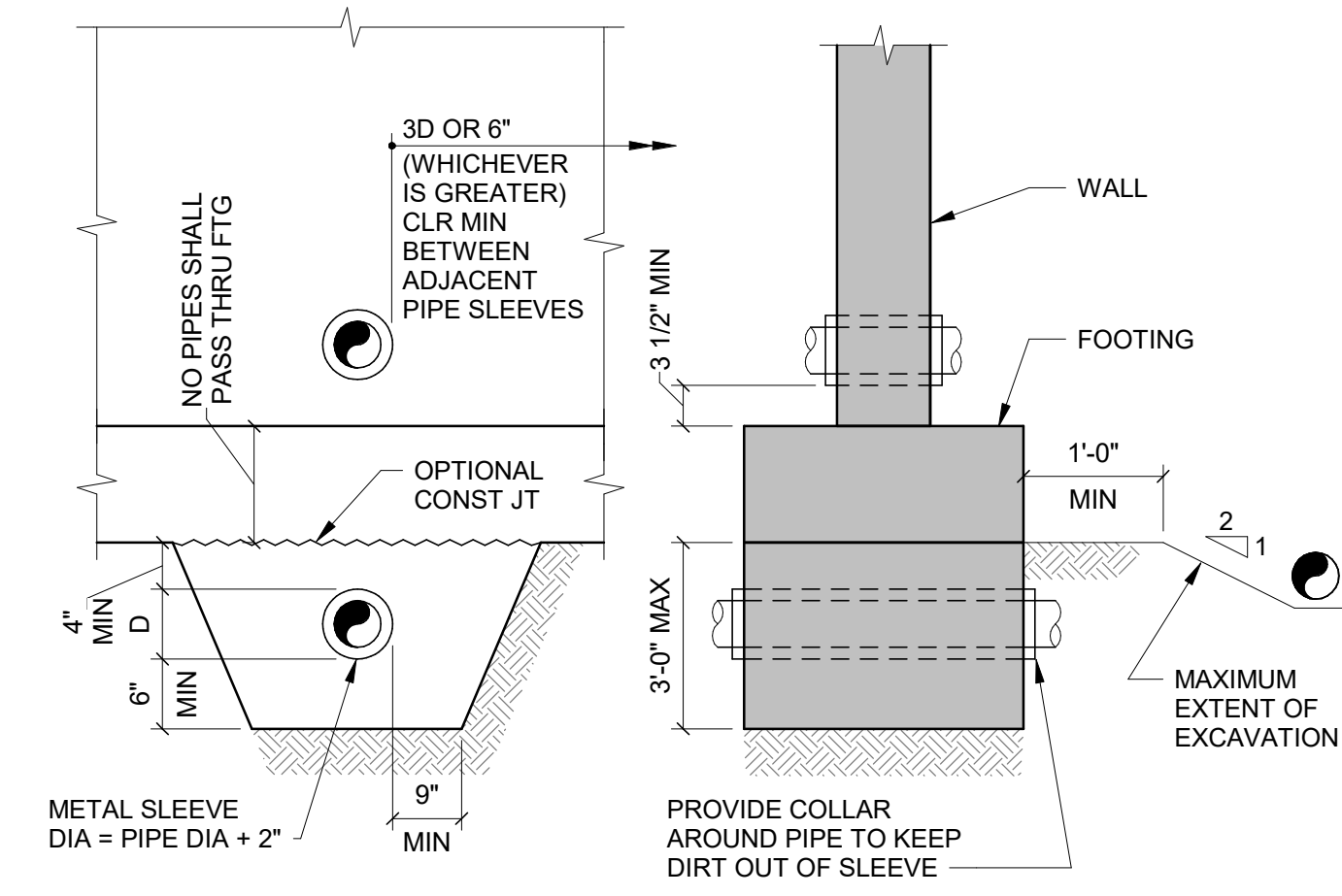
9 TYPICAL POST-INSTALLED ANCHORS
NO SCALE



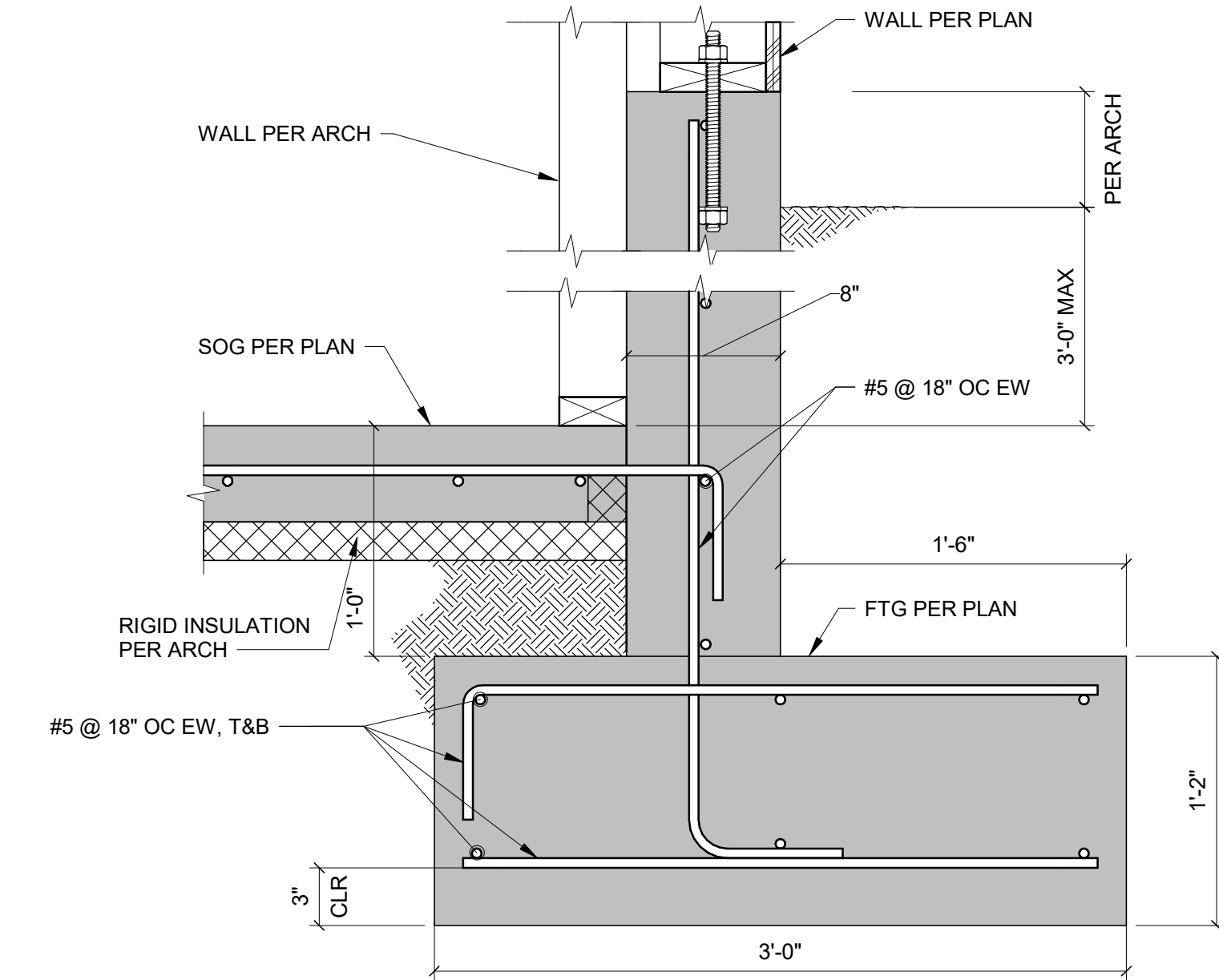
1 ELEVATOR PIT DETAIL
NO SCALE



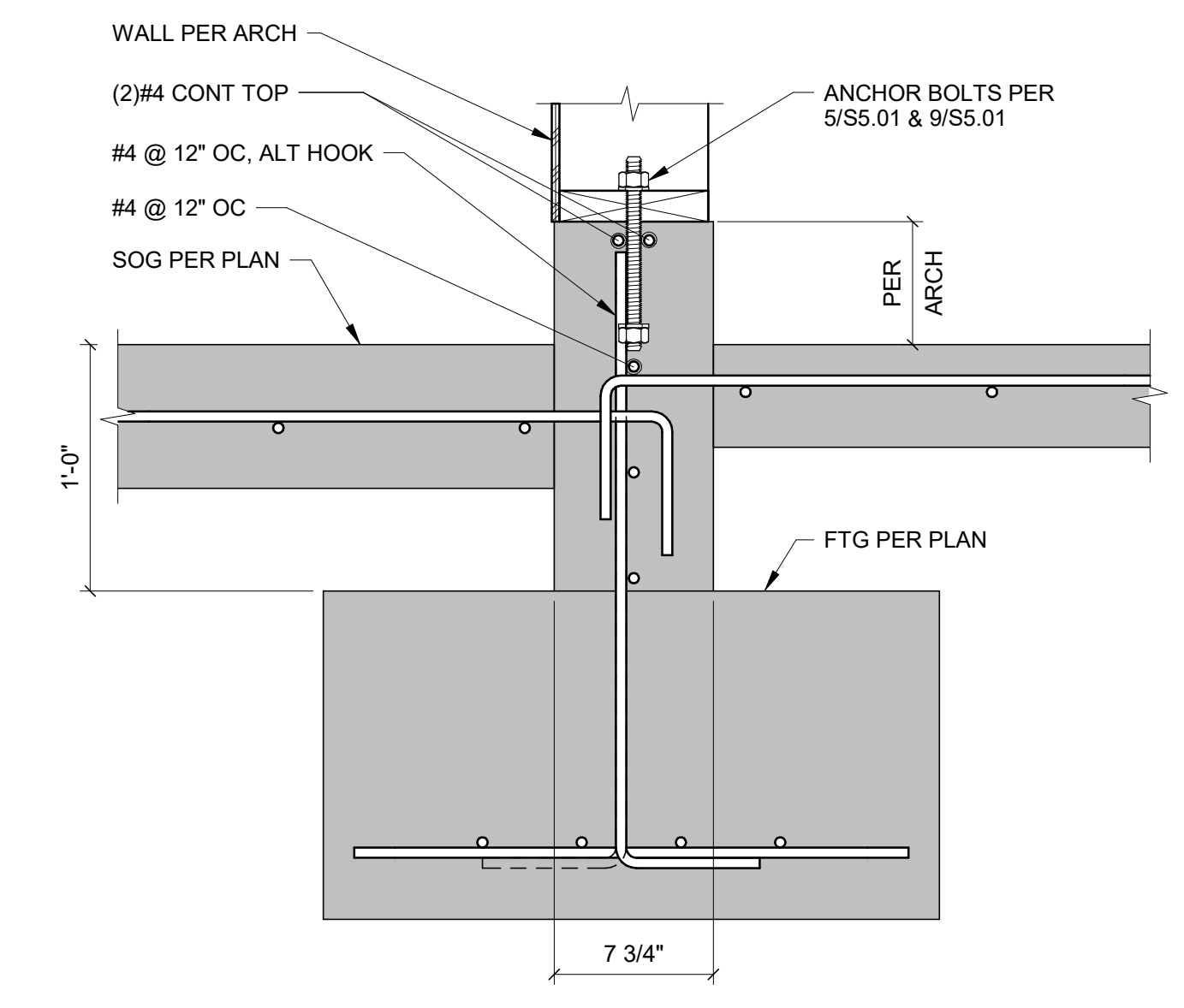
3 TYP STEPPED FOOTING DETAIL
NO SCALE



4 TYP DETAIL OF PIPE AT FOOTINGS
NO SCALE



6 RETAINING WALL & FOOTING
1 1/2" = 1'-0"

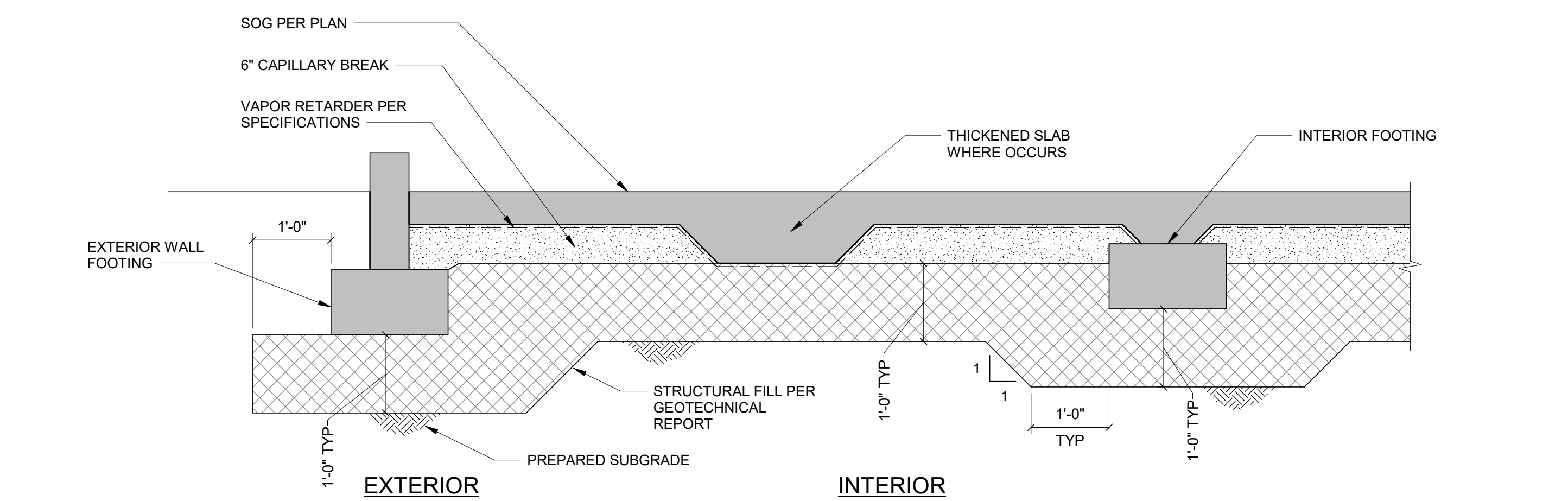


7 SECTION
1 1/2" = 1'-0"

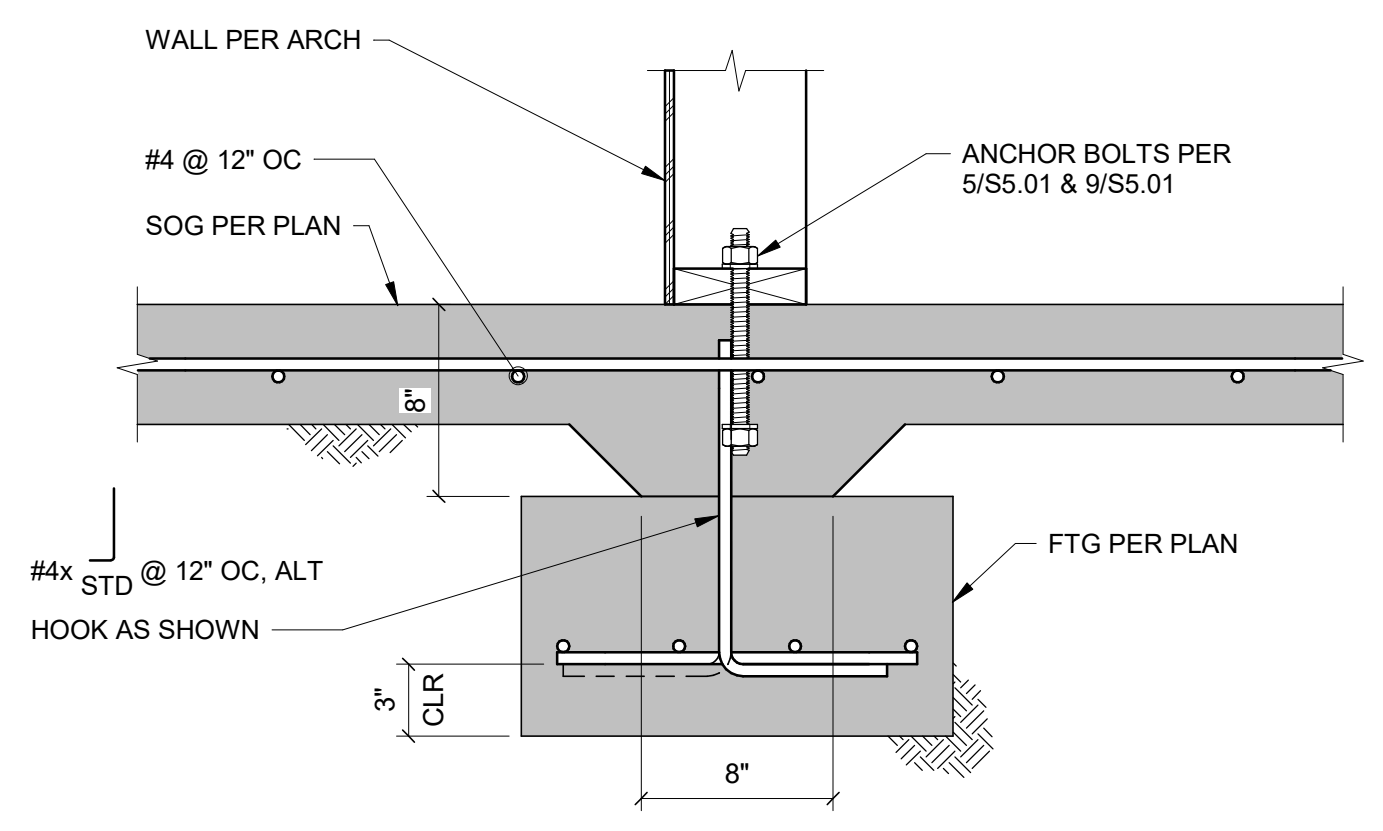
CONTINUOUS FOOTING SCHEDULE

TYPE MARK	DIMENSIONS		REINFORCING		TYPE COMMENTS
	WIDTH	DEPTH	TRANSVERSE	LONGITUDINAL	
FW1.5	1'-6"	0'-10"	#4 @ 12" OC BOT	(3) #4 BOT	-
FW2.0	2'-0"	1'-0"	#5 @ 12" OC BOT	(3) #5 BOT	-
FW2.5	2'-6"	1'-2"	#5 @ 12" OC BOT	(4) #5 BOT	-
-	-	-	-	-	-

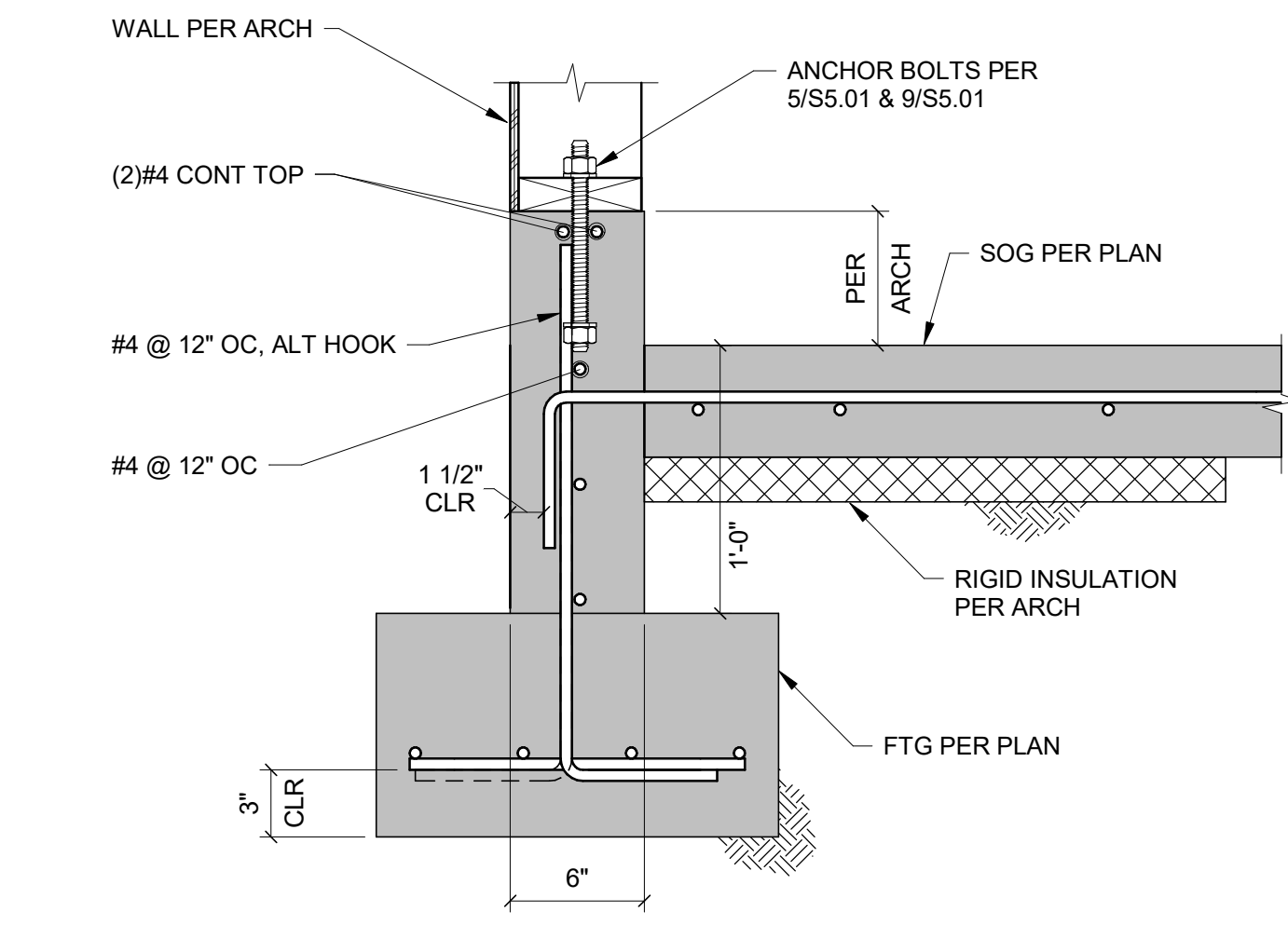
8 CONTINUOUS FOOTING SCHEDULE
NO SCALE



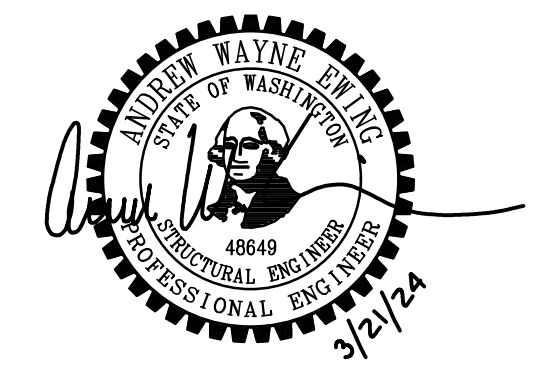
9 TYPICAL FOUNDATION BEARING ZONE PREPARATION
NO SCALE

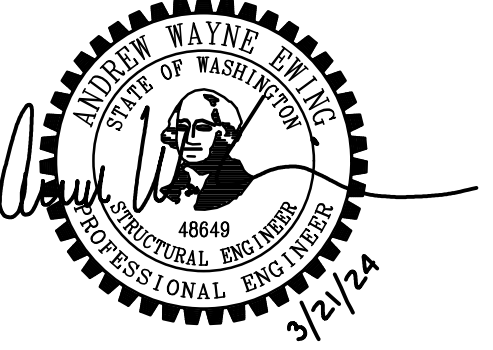


11 TYP INTERIOR FOOTING
1 1/2" = 1'-0"



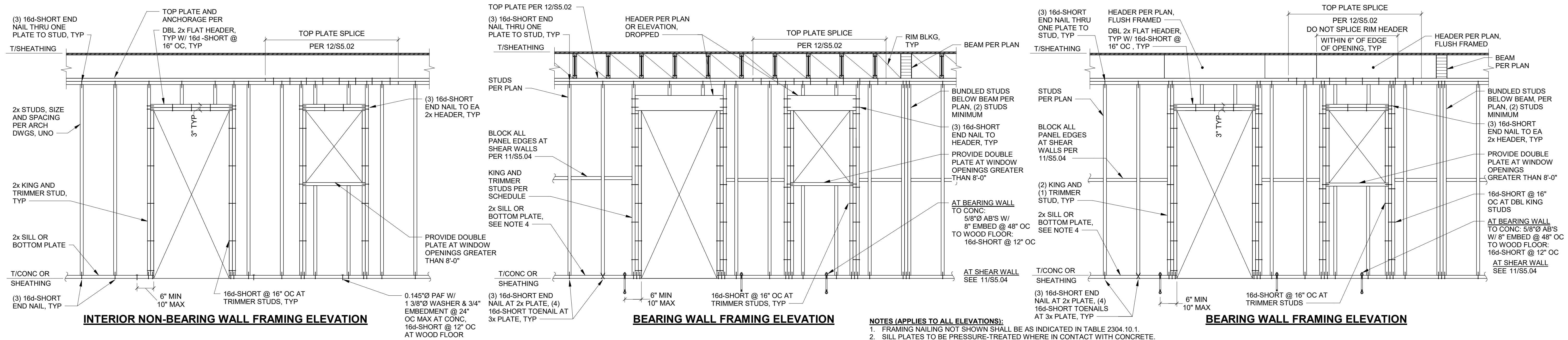
12 TYP EXTERIOR FOOTING
1 1/2" = 1'-0"





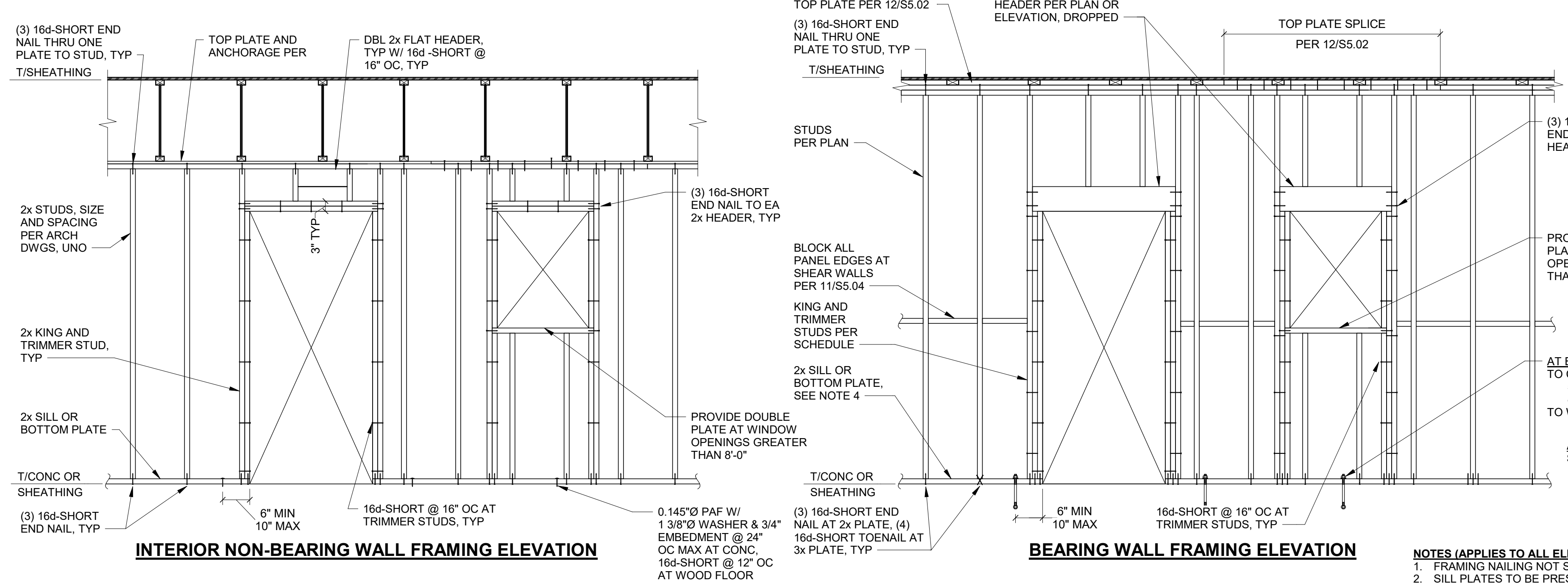
HANGER SCHEDULE			
MEMBER SIZE	FACE MOUNT	TOP FLANGE	TOP FLANGE SKEWED
16" RED-I65	MIU2.56/16	BA2.56/16 (MAX)	-
18" RED-I65	MIU2.56/18	BA2.56/18 (MIN)	-
2x4	LUS24	PF24	HU24TF

4 HANGER SCHEDULES
NO SCALE



- NOTES (APPLIES TO ALL ELEVATIONS):**
- FRAMING NAILING NOT SHOWN SHALL BE AS INDICATED IN TABLE 2304.10.1.
 - SILL PLATES TO BE PRESSURE-TREATED WHERE IN CONTACT WITH CONCRETE.
 - SEE 10/S5.05 FOR SILL BOLT CONSTRUCTION.
 - INCREASE SILL PLATE SIZE TO 3x WHERE REQUIRED BY SHEAR WALL SCHEDULE PER 11/S5.04.

5 TYP STUD WALL FRAMING ELEVATION
NO SCALE

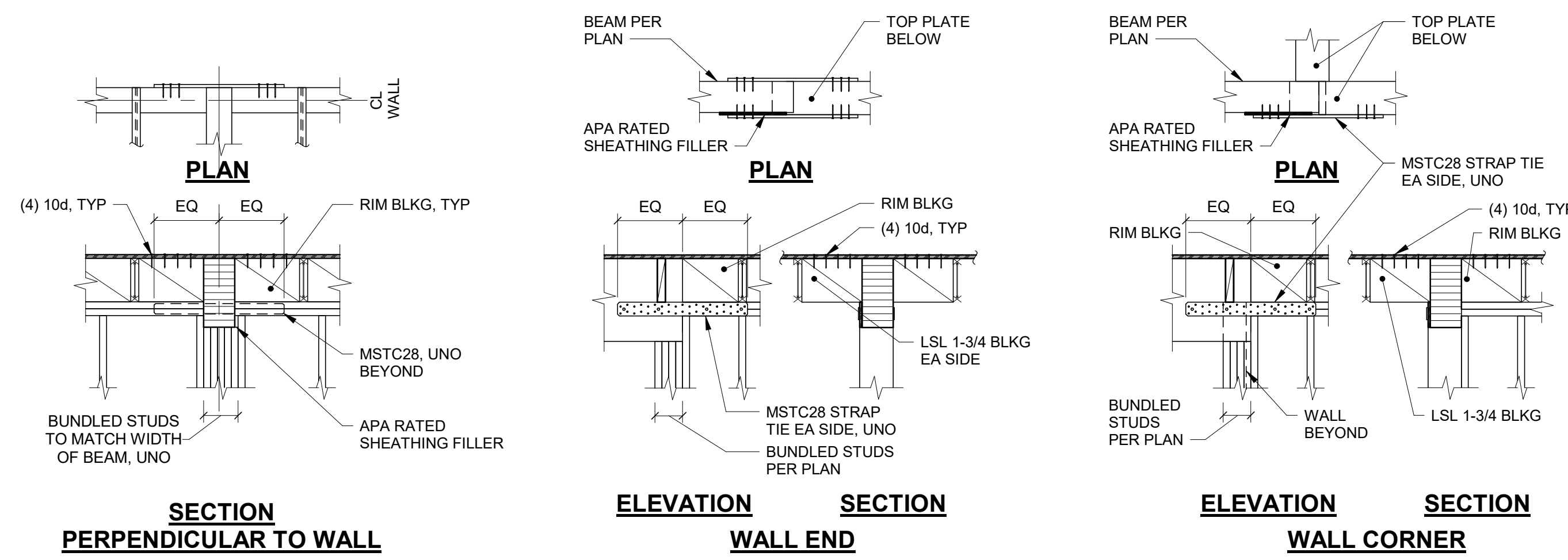
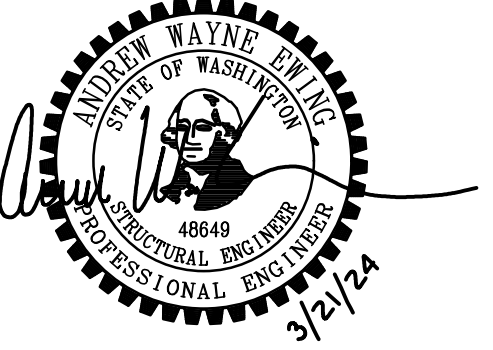


- NOTES (APPLIES TO ALL ELEVATIONS):**
- FRAMING NAILING NOT SHOWN SHALL BE AS INDICATED IN TABLE 2304.10.1.
 - SILL PLATES TO BE PRESSURE-TREATED WHERE IN CONTACT WITH CONCRETE.
 - SEE 10/S5.05 FOR SILL BOLT CONSTRUCTION.
 - INCREASE SILL PLATE SIZE TO 3x WHERE REQUIRED BY SHEAR WALL SCHEDULE PER 11/S5.04.

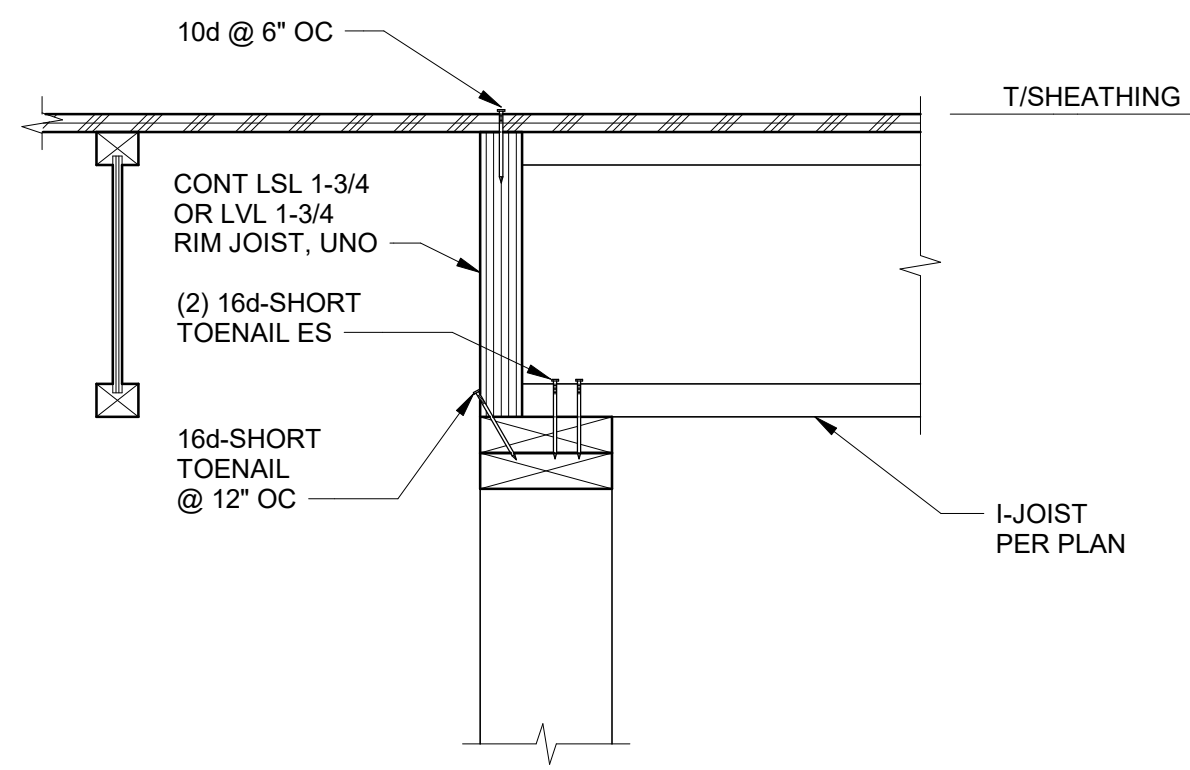
9 TYP STUD WALL FRAMING ELEVATION AT OPEN WEB TRUSSES
NO SCALE

TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

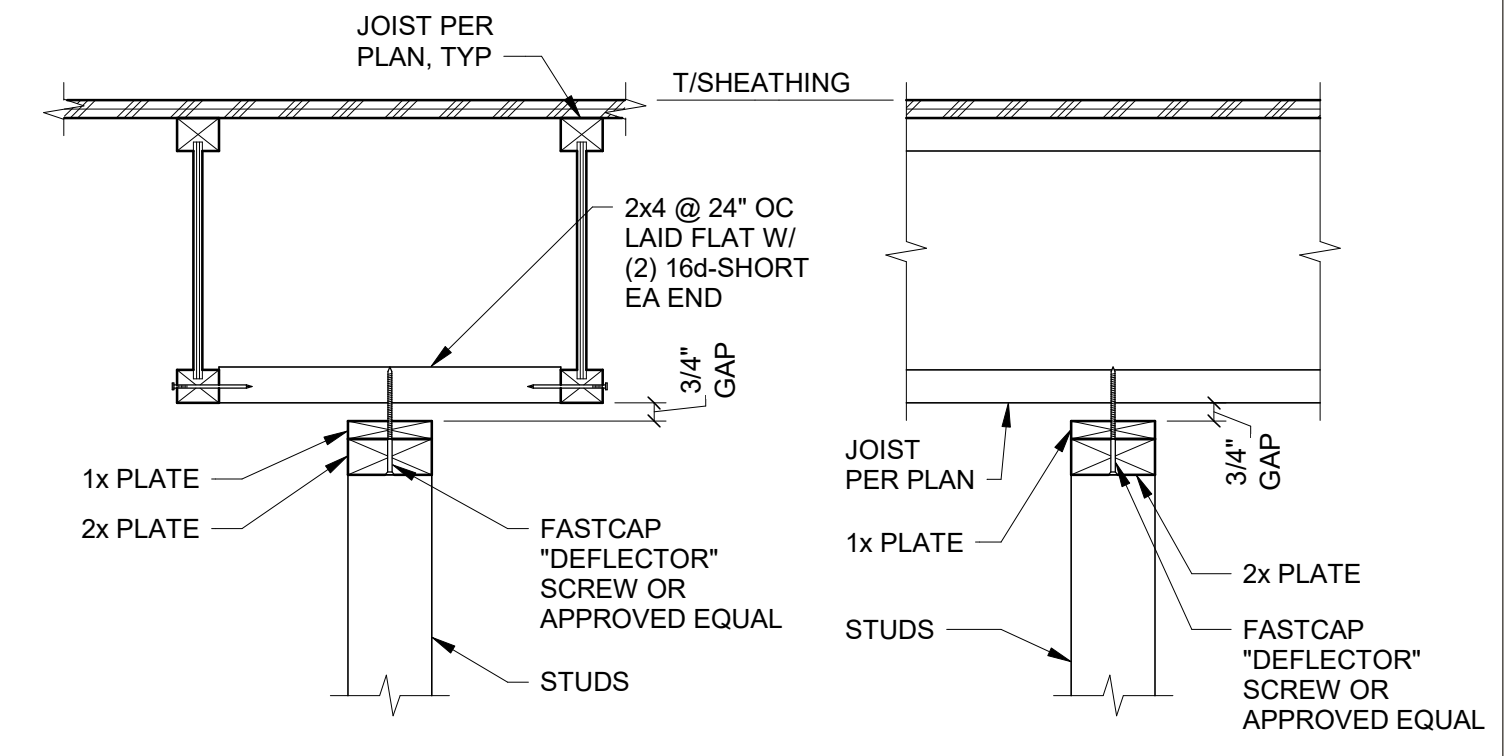
ISSUE LIST
PERMIT ISSUE 5/23/23
BID ISSUE 3/21/24



1 TYP DEEP BEAM SUPPORT DETAILS
NO SCALE

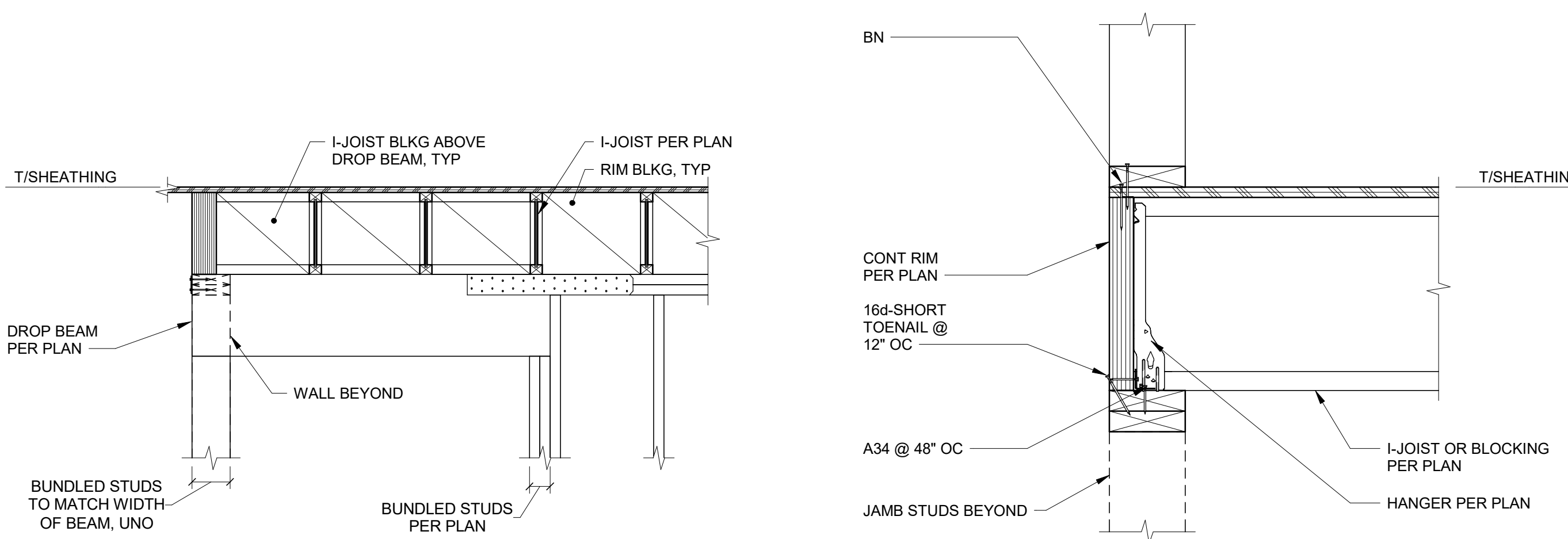


3 TYP INTERIOR BEARING WALL BELOW -
FRAMING DIRECTION CHANGE
NO SCALE



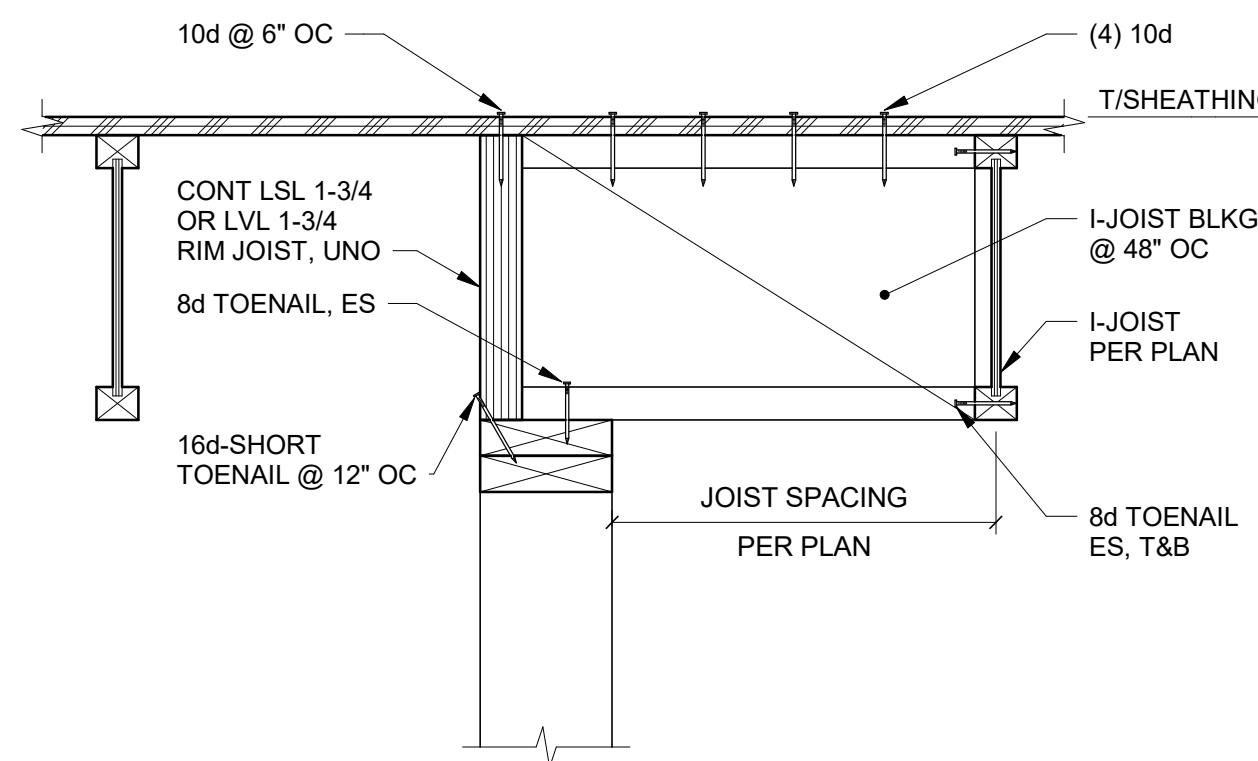
4 TYP INTERIOR NON-BEARING WALL
TOP PLATE ANCHORAGE
NO SCALE

NOTES:
1. DO NOT INSTALL NON-BEARING PARTITIONS UNTIL DEAD LOAD IS IN PLACE. AT ROOF CONSTRUCTION AND WHERE A DEFLECTION SPACE HAS BEEN PROVIDED FOR, THIS REQUIREMENT MAY BE WAIVED.
2. DO NOT CONNECT CEILING GYP BOARD TO FRAMING WITHIN 24\"/>

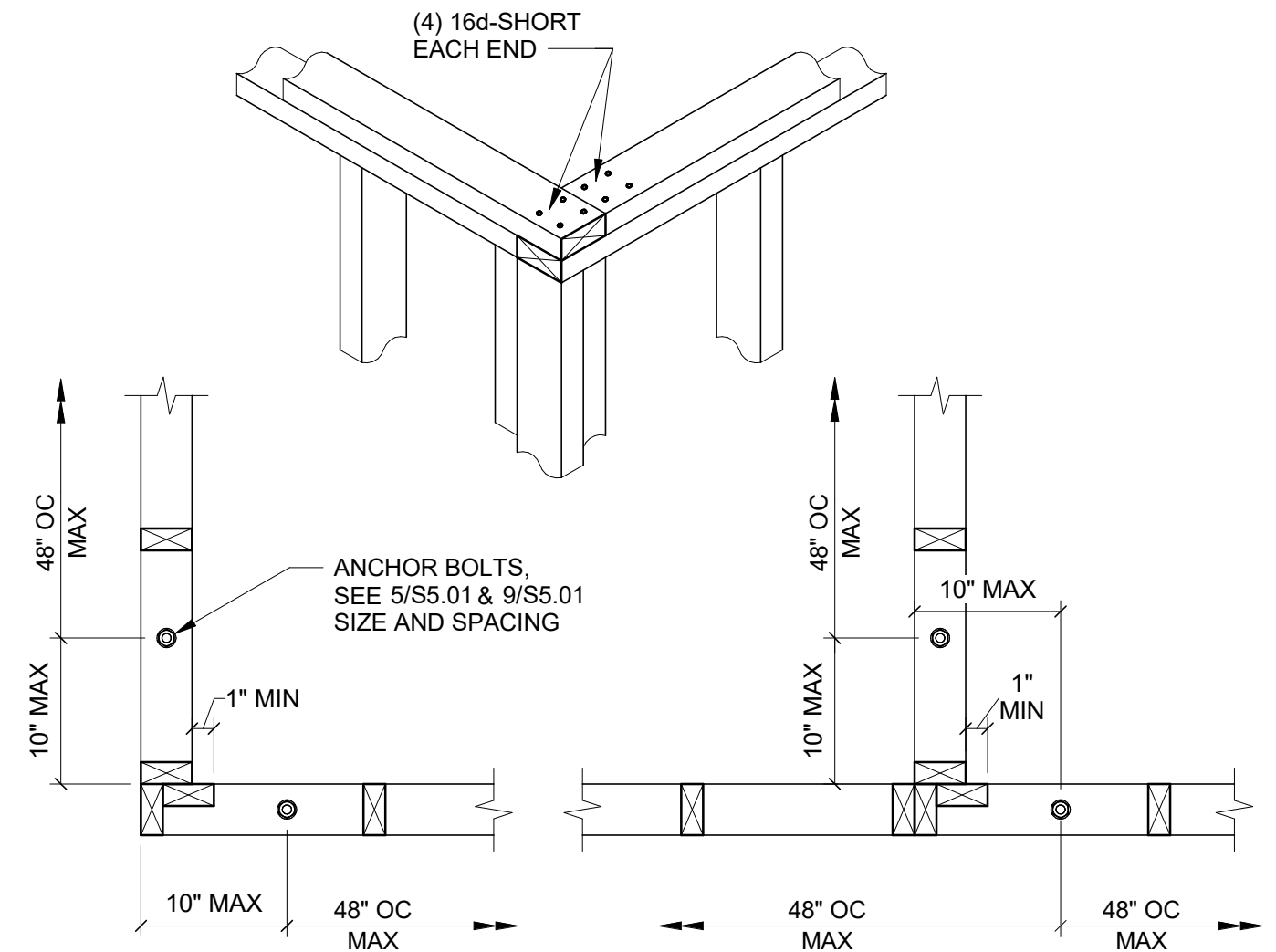


5 TYP DROP BEAM SECTION
NO SCALE

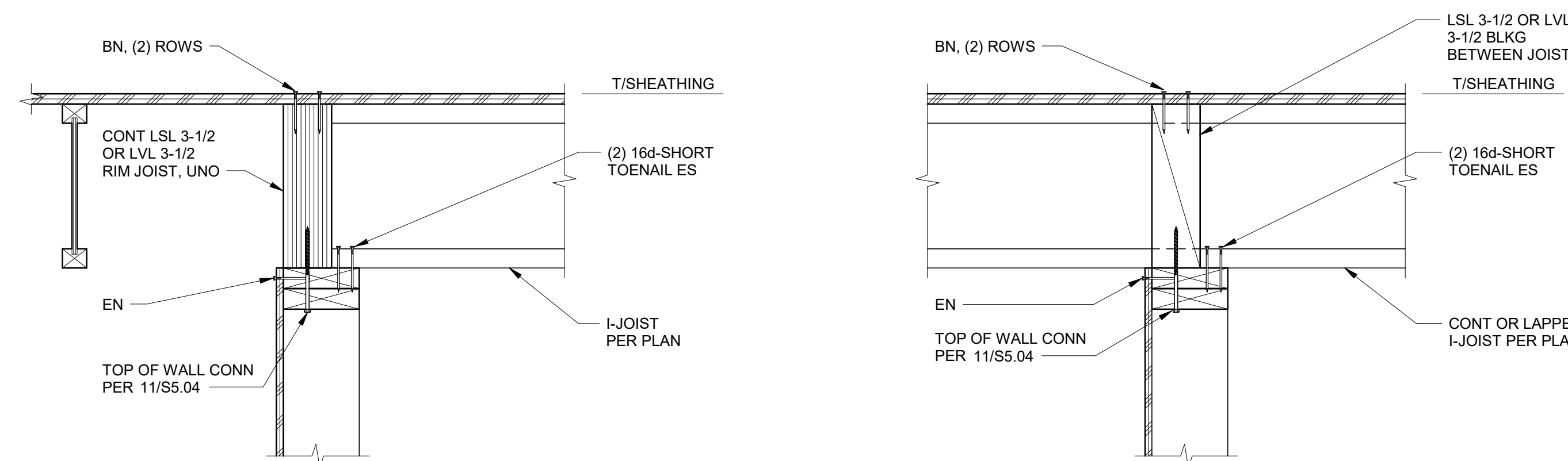
6 TYP RIM JOIST HEADER
NO SCALE



7 TYP INTERIOR BEARING WALL BELOW -
FRAMING PARALLEL
NO SCALE

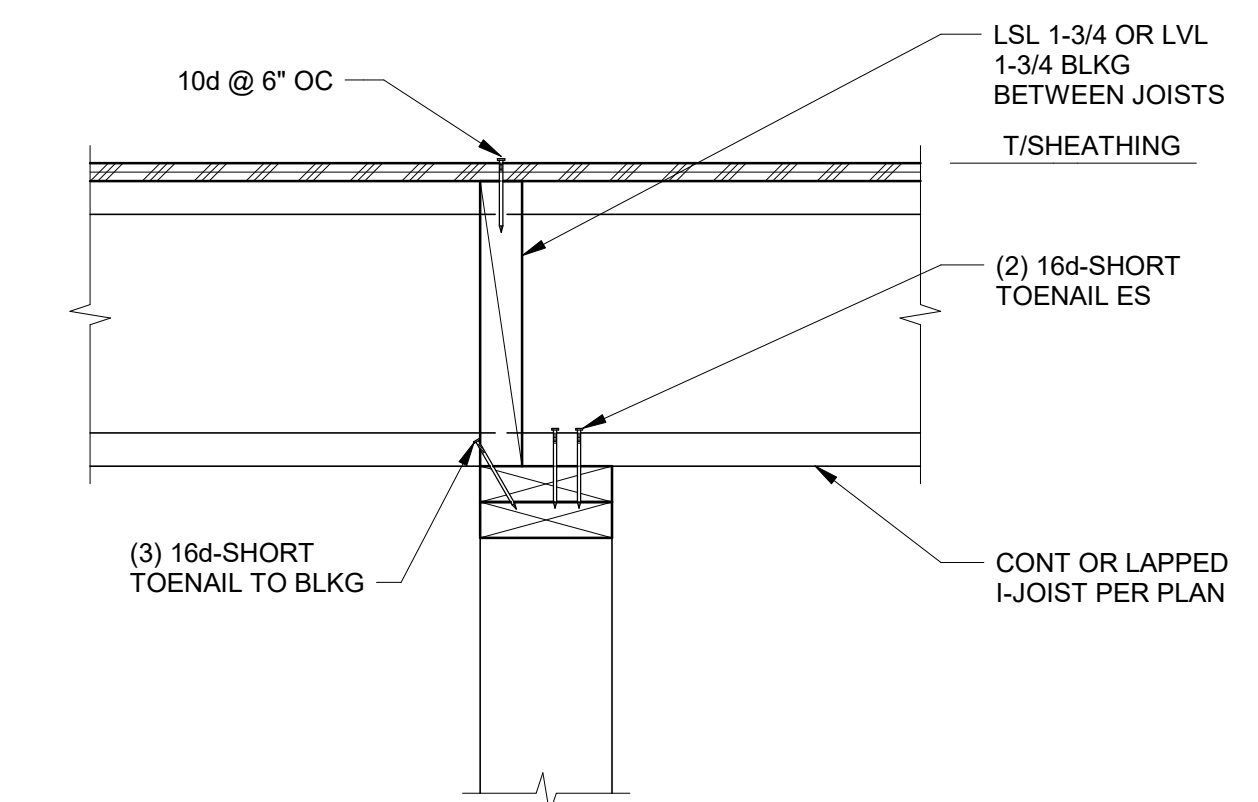


8 TYP STUD WALL CORNER
NO SCALE

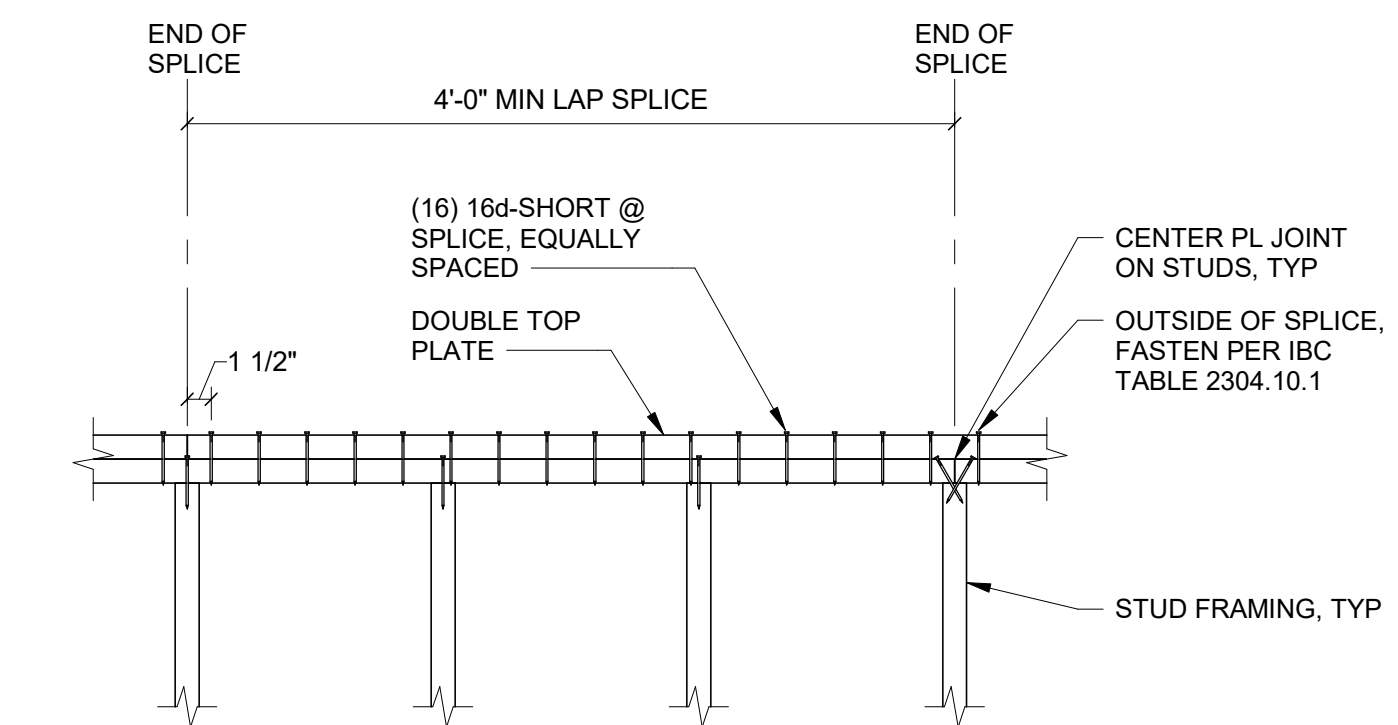


9 TYP INTERIOR SHEAR WALL BELOW -
FRAMING DIRECTION CHANGE
NO SCALE

10 TYP INTERIOR SHEAR WALL BELOW -
FRAMING PERPENDICULAR
NO SCALE

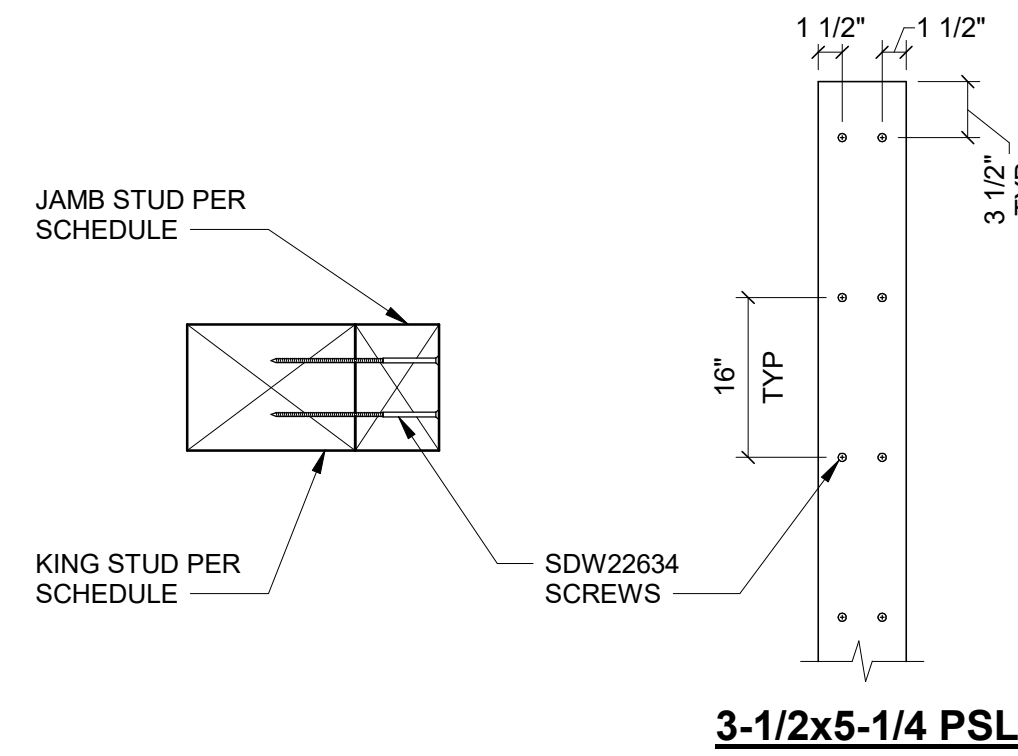


11 TYP INTERIOR BEARING WALL BELOW -
FRAMING PERPENDICULAR
NO SCALE

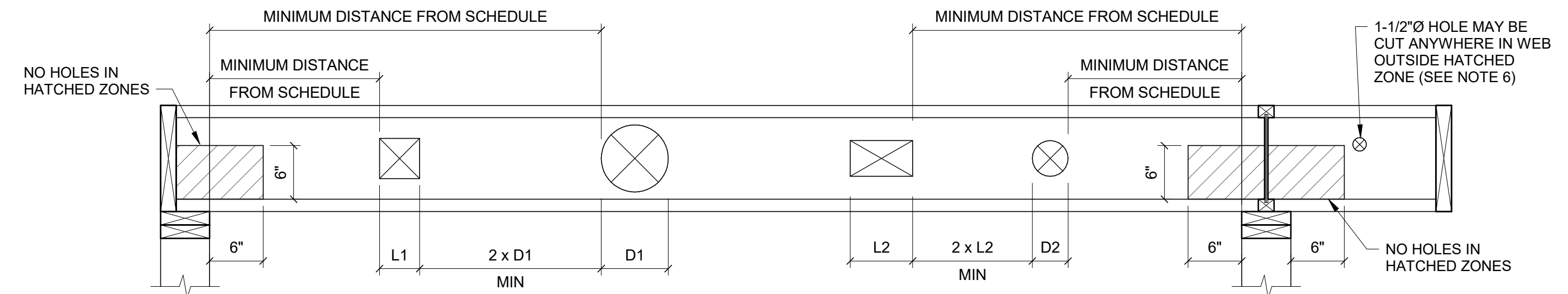


12 TYP TOP PLATE SPLICE
NO SCALE

NOTES:
1. PROVIDE CONTINUOUS TOP PLATES WITHOUT JOINTS WHERE WALLS ARE 12'-0\"/>



2 TYP 3-1/2 TRIMMER STUD TO KING STUD CONNECTION
NO SCALE



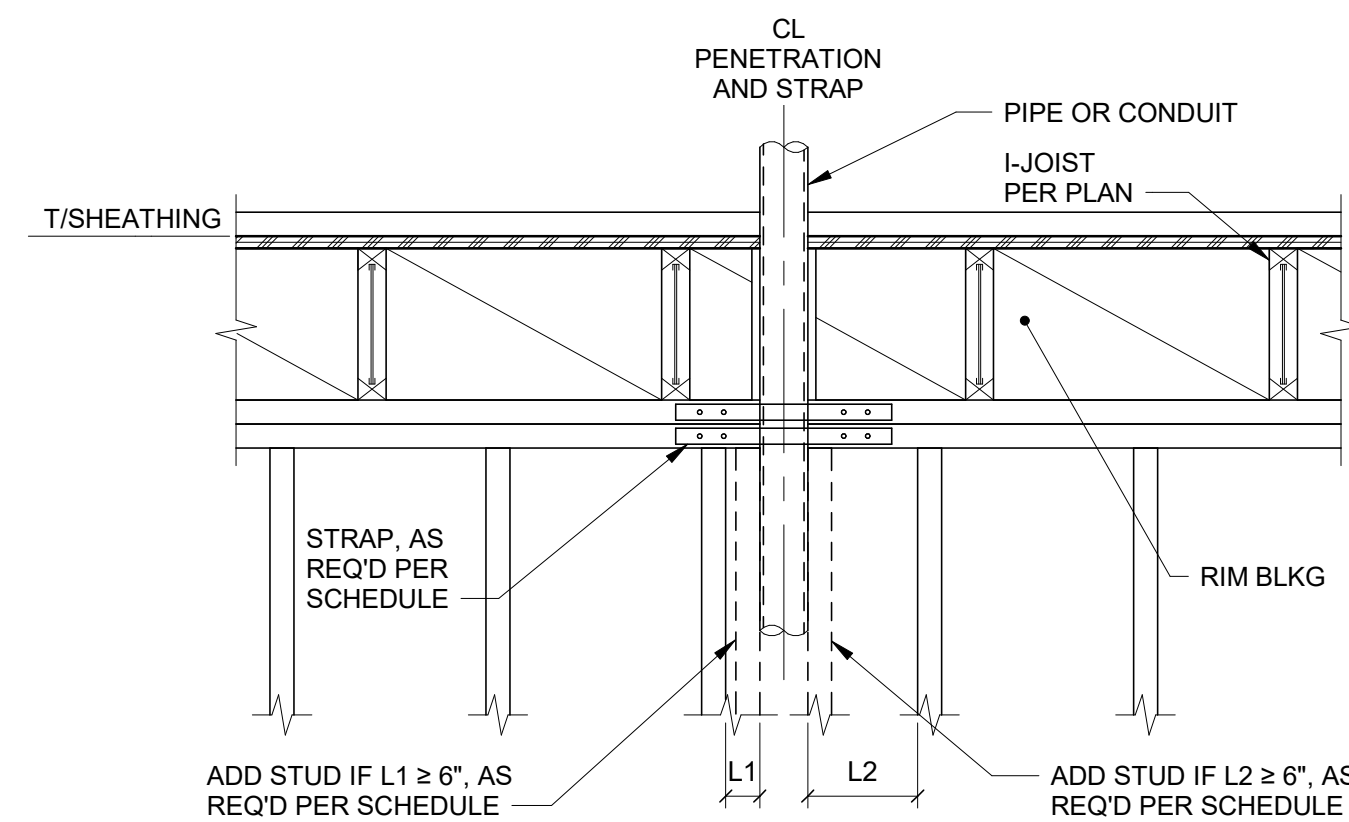
END SUPPORT

INTERIOR SUPPORT OR CANTILEVER

- NOTES:**
- ADAPTED FROM TRUS-JOIST DOCUMENT TJ-4000, NOVEMBER 2017.
 - HOLE SIZES: THE SIZES GIVEN IN THE TABLE ARE HOLE SIZES, NOT DUCT SIZES.
 - MULTIPLE HOLES: WHERE MORE THAN ONE HOLE IS DESIRED, THE AMOUNT OF WOOD BETWEEN HOLES MUST EQUAL OR EXCEED TWICE THE DIAMETER OF THE LARGEST HOLE OR TWICE THE SIZE OF THE LARGEST SQUARE HOLE.
 - HOLES MAY BE LOCATED VERTICALLY ANYWHERE WITHIN THE WEB. LEAVE 1/8" OF WEB MINIMUM AT TOP AND BOTTOM OF HOLE.
 - ANY PENETRATIONS NOT MEETING THE REQUIREMENTS ABOVE MUST HAVE PRIOR APPROVAL BY THE STRUCTURAL ENGINEER.
 - THIS TABLE IS BASED ON UNIFORMLY LOADED JOISTS. PENETRATIONS SHALL NOT BE PERMITTED AT JOISTS RECEIVING HEADERS OR SUPPORTING BEARING WALLS ABOVE WITHOUT PRIOR APPROVAL BY THE STRUCTURAL ENGINEER.
 - DO NOT CUT HOLES LARGER THAN 1-1/2" IN CANTILEVERS.

JOIST TYPE	HOLE TYPE	AT END OF SUPPORT					AT INTERIOR SUPPORT OR CANTILEVER				
		2"	3"	4"	6 1/2"	8 7/8"	2"	3"	4"	6 1/2"	8 7/8"
11-7/8" TJI 230	ROUND	1'-0"	1'-6"	2'-0"	3'-0"	6'-6"	1'-0"	2'-0"	2'-6"	5'-6"	10'-0"
11-7/8" TJI 230	RECTANGULAR	1'-0"	2'-0"	2'-6"	5'-6"	7'-0"	1'-0"	2'-6"	3'-6"	8'-6"	10'-6"

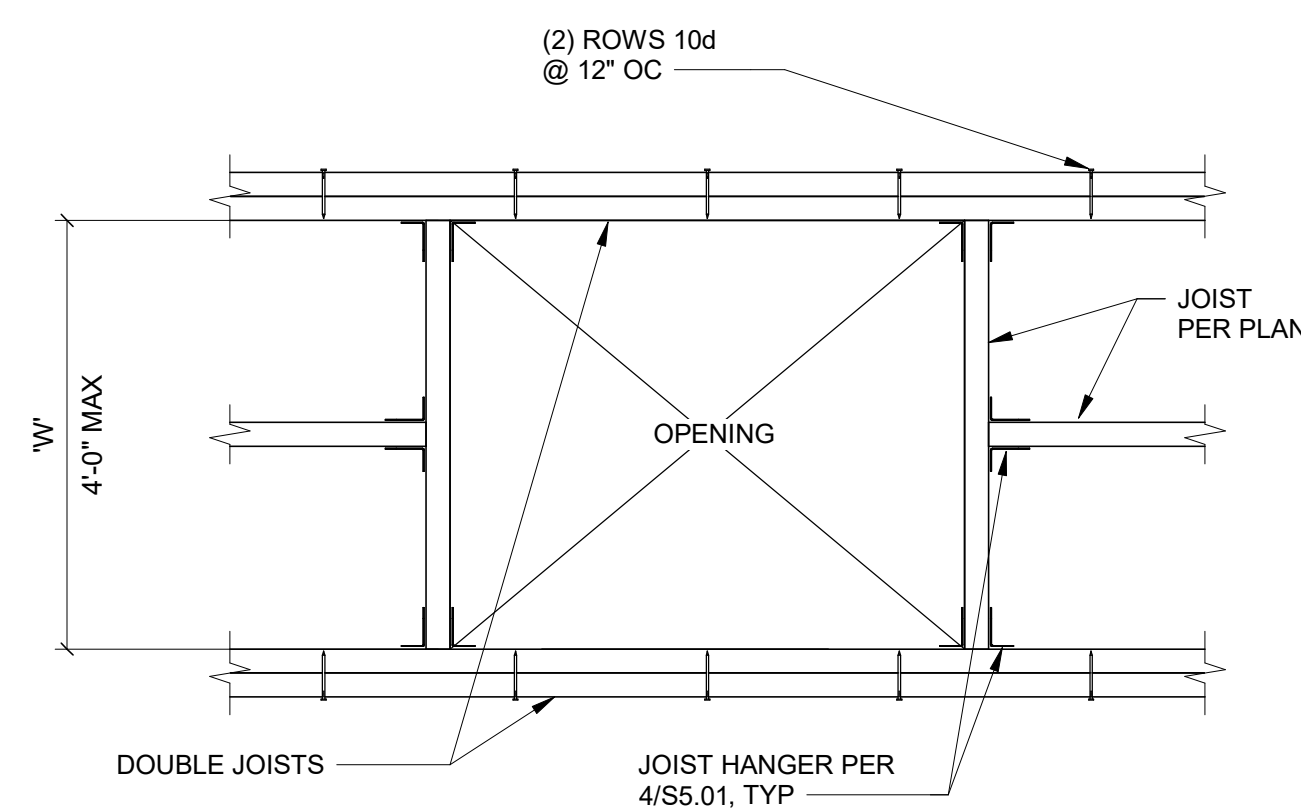
3 TYP HOLE CHART FOR I-JOISTS
NO SCALE



BEARING WALL PLATE PENETRATION SCHEDULE		
STUD SIZE	MAX HOLE SIZE, NO STRAP OR ADDED STUDS	MAX HOLE SIZE, (1) RPS18 AND ADDED STUDS
2x4 & 3x4	1"Ø	1-1/2"Ø
2x6 & 3x6	1-3/8"Ø	3-1/2"Ø
2x8 & 3x8	1-3/4"Ø	5-1/4"Ø

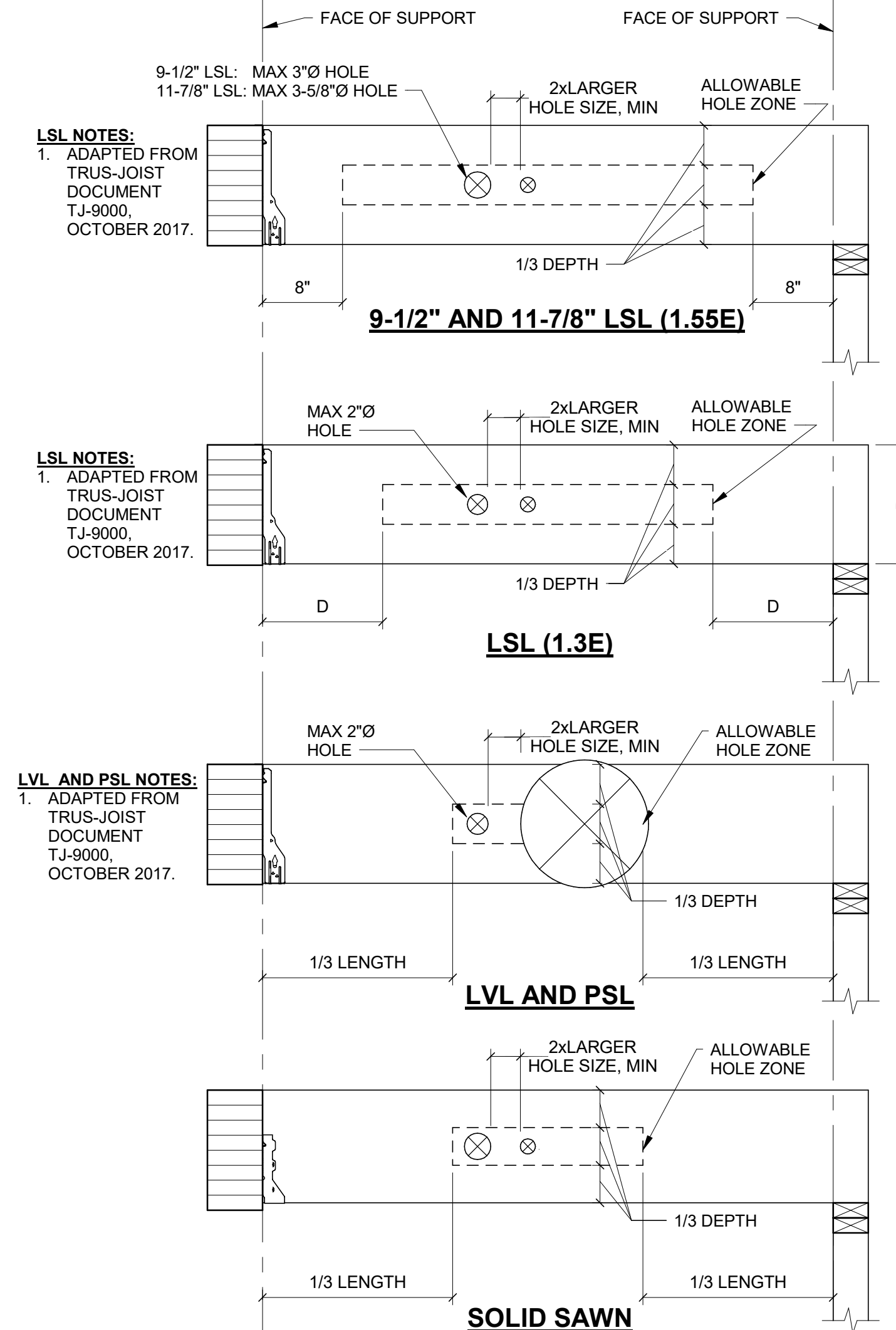
SHEAR WALL PLATE PENETRATION SCHEDULE		
STUD SIZE	MAX HOLE SIZE, (1) RPS18	MAX HOLE SIZE, (2) RPS18 AND ADDED STUDS
2x4 & 3x4	1"Ø	1-1/2"Ø
2x6 & 3x6	1-3/8"Ø	3-1/2"Ø
2x8 & 3x8	1-3/4"Ø	5-1/4"Ø

- NOTES:**
- BORED HOLES ONLY. NOTCHES IN WALL PLATES ARE NOT PERMITTED.
 - AT SHEAR WALLS, PLACE STRAPS ON OPPOSITE SIDE OF WALL FROM SHEATHING.
 - PLATE PENETRATIONS ARE NOT PERMITTED IN DOUBLE-SIDED SHEAR WALLS.
 - PLATE PENETRATIONS SHALL BE SPACED 2x THE LARGER HOLE DIAMETER, MINIMUM.
 - ANY PLATE PENETRATION NOT MEETING THE REQUIREMENTS ABOVE REQUIRE PRIOR APPROVAL BY THE STRUCTURAL ENGINEER.



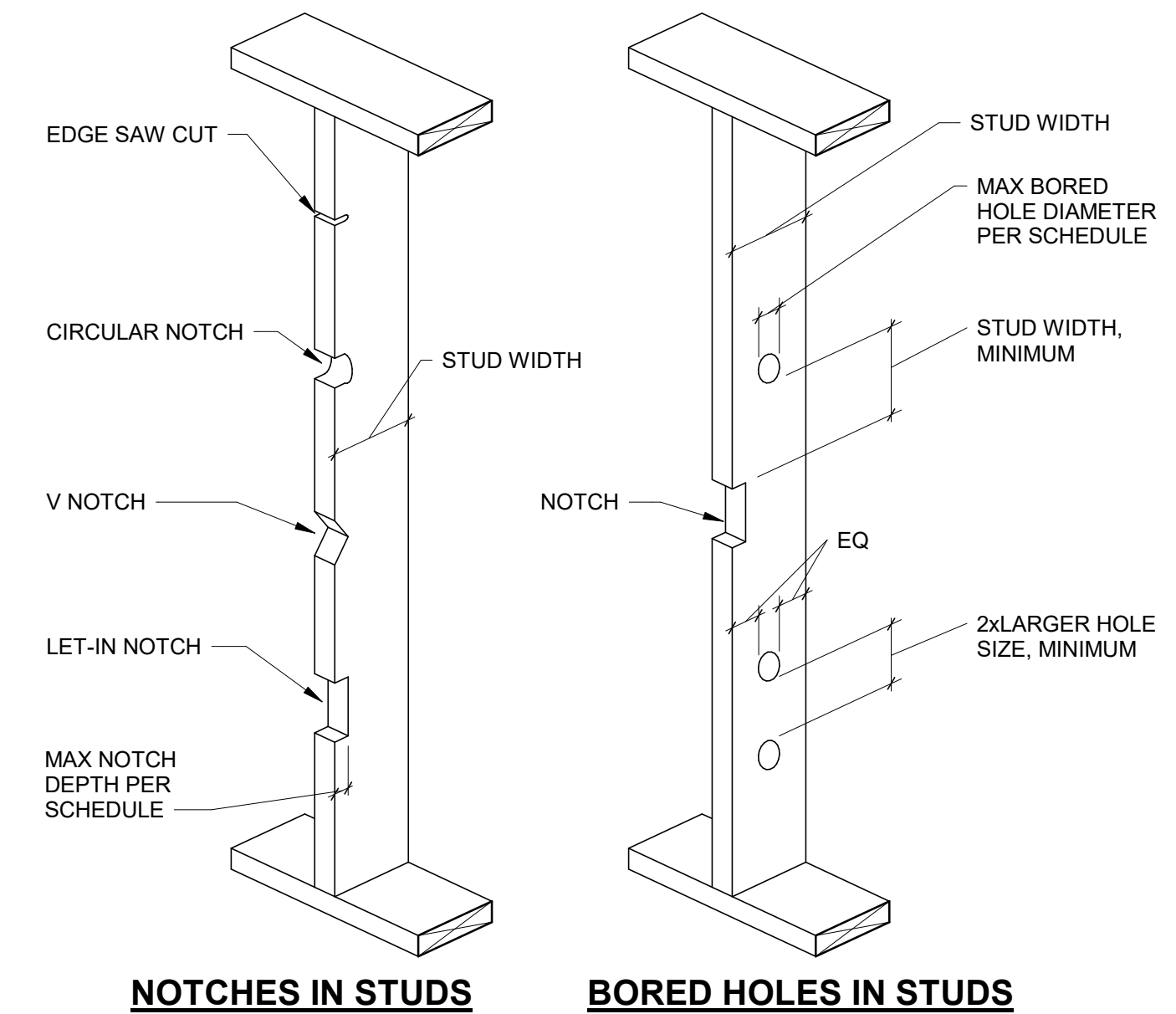
- NOTES:**
- WHEN OPENING DIMENSION 'W' EXCEEDS 4'-0", REFER TO PLANS FOR FRAMING.
 - WHEN I-JOISTS ARE USED, PROVIDE WEB BLOCKING BETWEEN DOUBLE JOISTS.

9 TYP FLOOR OPENING PLAN
NO SCALE



- NOTES (APPLIES TO ALL):**
- ROUND HOLES ONLY. RECTANGULAR HOLES ARE NOT ALLOWED.
 - NO HOLES IN CANTILEVERS.
 - NO HOLES IN HEADERS.
 - OTHER HOLES NOT DESCRIBED ABOVE SHALL BE SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER PRIOR TO DRILLING.

11 TYP HOLES IN WOOD JOISTS AND BEAMS
NO SCALE



NOTCHES IN STUDS

BORED HOLES IN STUDS

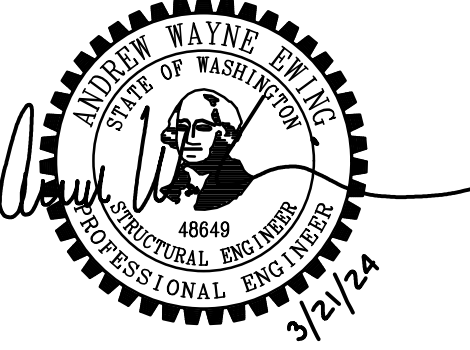
EXTERIOR/BEARING/SHEAR WALL STUD PENETRATION		
STUD SIZE	MAX NOTCH DEPTH	MAX BORED HOLE DIAMETER
2x4 & 3x4	7/8"	1-3/8"Ø
2x6 & 3x6	1-3/8"	2-1/8"Ø
2x8 & 3x8	1-3/4"	2-7/8"Ø

NON-BEARING WALL STUD PENETRATION		
STUD SIZE	MAX NOTCH DEPTH	MAX BORED HOLE DIAMETER
2x4 & 3x4	1-3/8"	2"Ø
2x6 & 3x6	2-1/8"	3-1/4"Ø
2x8 & 3x8	2-7/8"	4-1/4"Ø

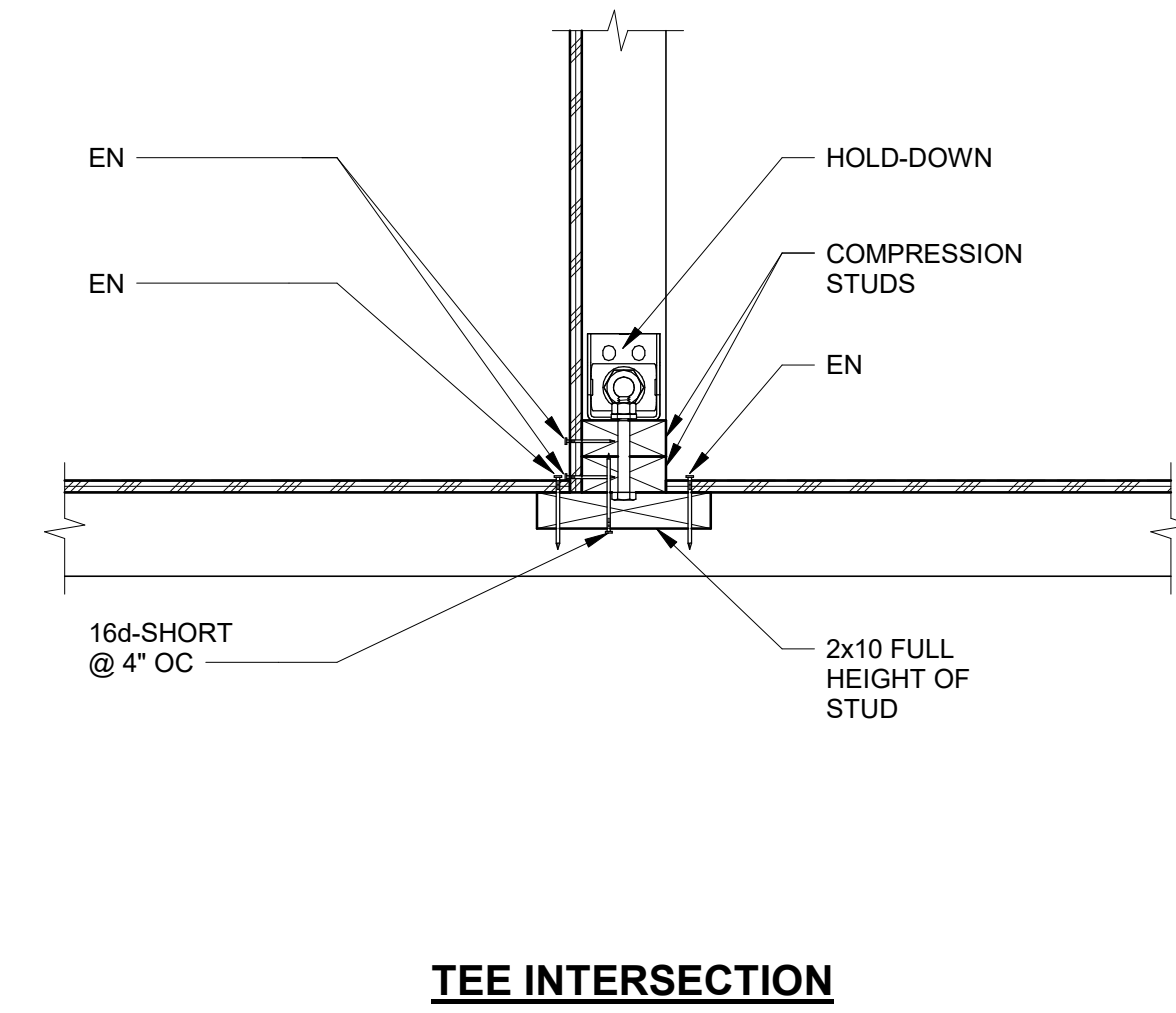
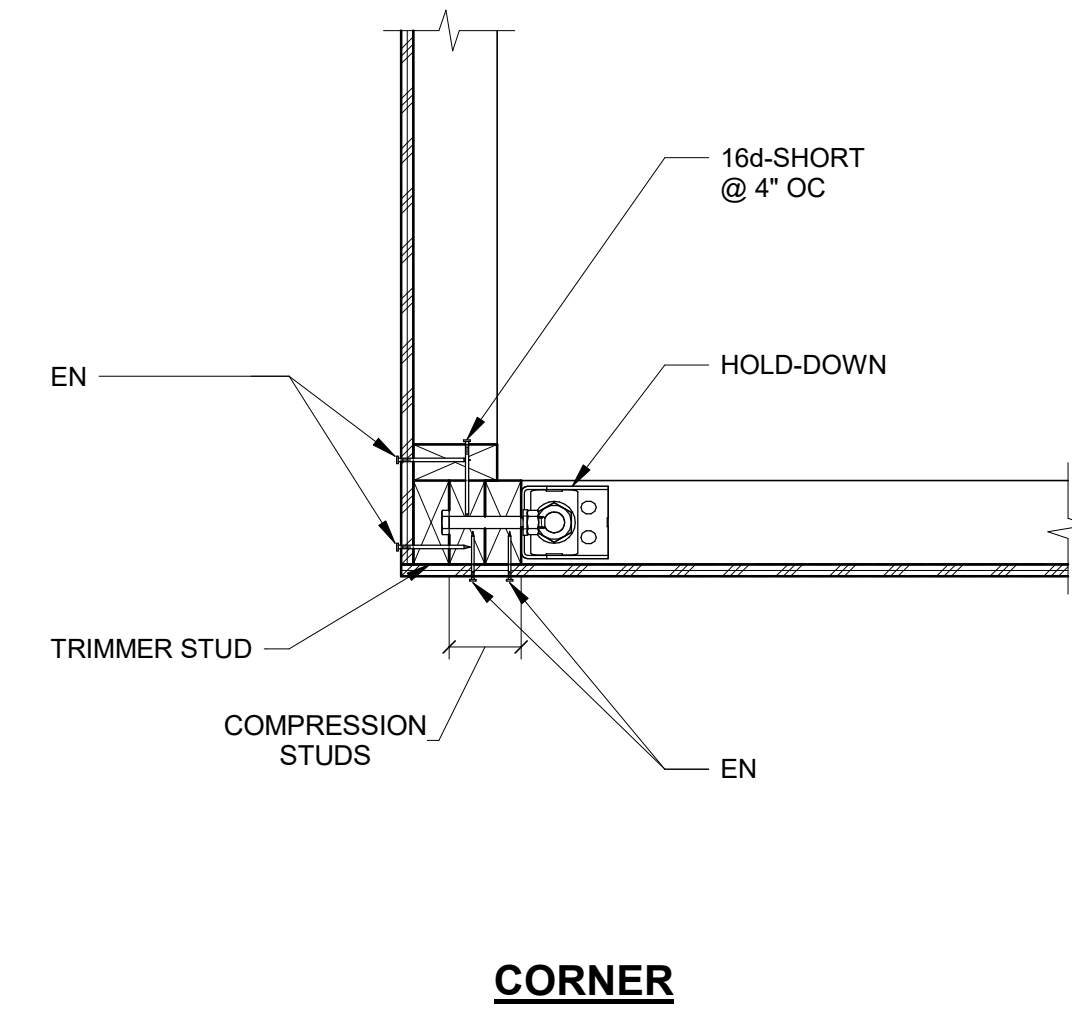
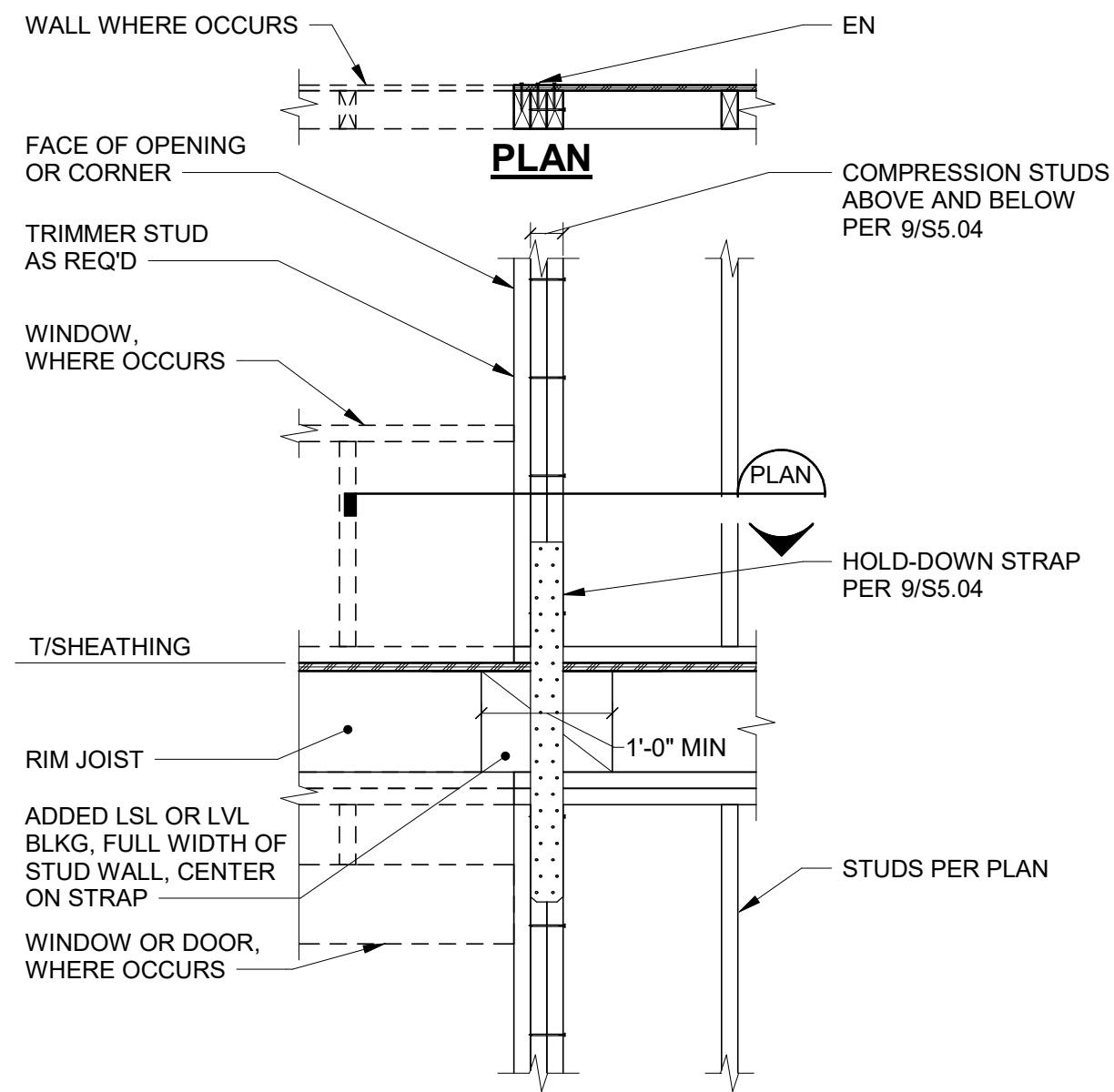
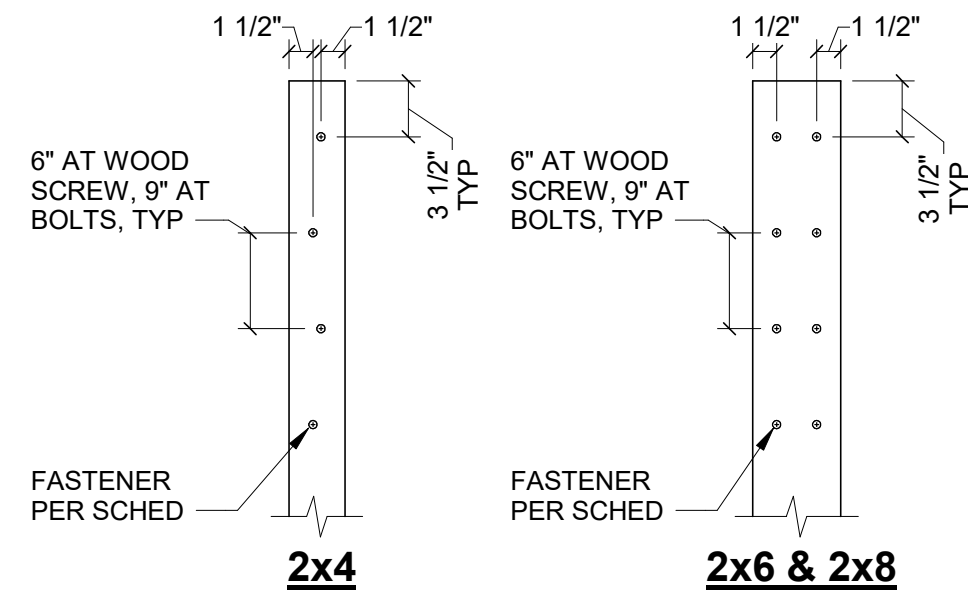
- NOTES:**
- DO NOT NOTCH OR BORE HOLES IN MORE THAN TWO ADJACENT STUDS WITHOUT APPROVAL BY STRUCTURAL ENGINEER.
 - NOTCHES AND BORED HOLES ARE NOT PERMITTED IN SHEAR WALL COMPRESSION STUDS.

12 TYP WALL STUD PENETRATIONS
NO SCALE

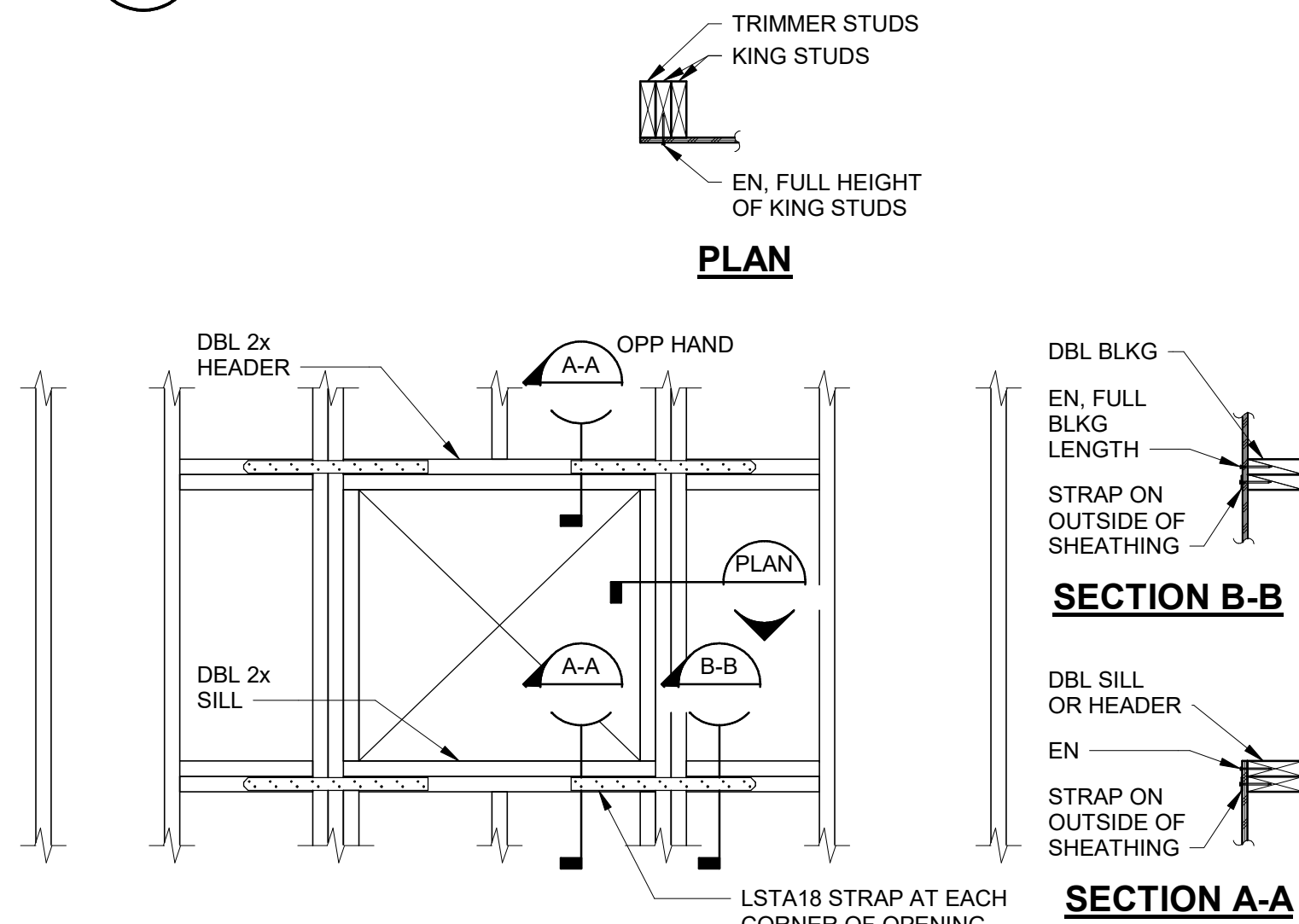
10 TYP WALL PLATE PENETRATIONS
NO SCALE



FASTENER SCHEDULE	
ASSEMBLY WIDTH	FASTENERS
2x 2 PLY	SDW22300
2x 3 PLY	SDW22438
2x 4 PLY	SDW22600
> 6"	1/2"Ø BOLT



1 BUILT-UP COL AND JAMB FASTENING
NO SCALE



NOTES:
1. WALL SHEATHING NOT SHOWN FOR CLARITY.

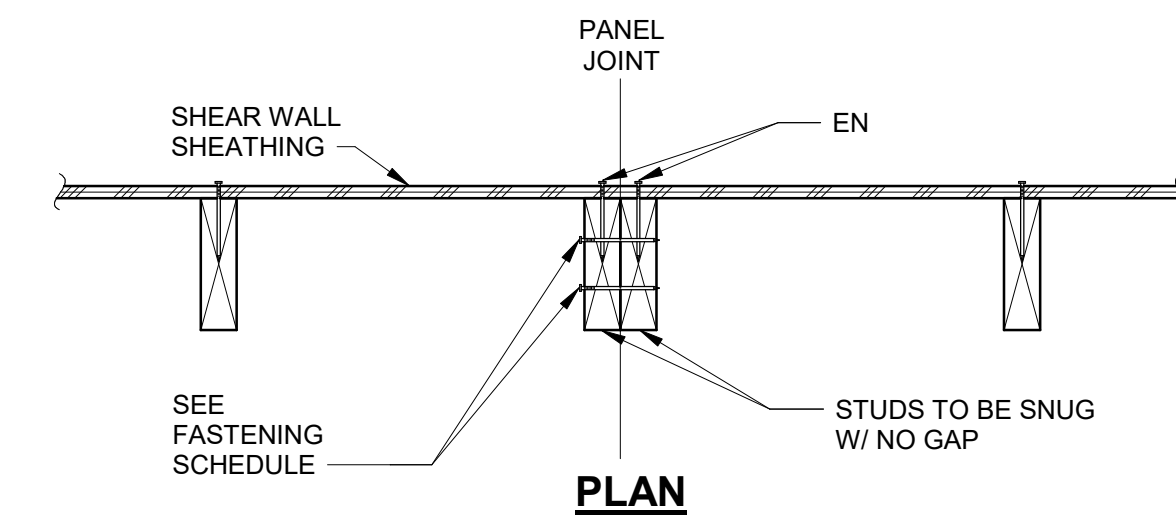
4 STRAPS AROUND SHEAR WALL OPENINGS
NO SCALE

HOLD-DOWN AND COMPRESSION STUD SCHEDULE					
TYPE MARK	HOLD-DOWN	THREADED ROD SIZE	WASHER PL SIZE	MIN ROD EMBEDMENT	COMPRESSION STUDS, SEE NOTE 1
1	HDU2-SDS2.5	5/8"Ø	1/2X2-1/2X0'-2 1/2"	6"	(2) 2x6
2	HDU4-SDS2.5	5/8"Ø	1/2X2-1/2X0'-2 1/2"	6"	(2) 2x6
3	HDU5-SDS2.5	5/8"Ø	1/2X2-1/2X0'-2 1/2"	6"	(2) 2x6
4	HDU11-SDS2.5	1"Ø	1/2X3-1/2X0'-3 1/2"	9"	(3) 2x6
5	HDU14-SDS2.5	1"Ø	1/2X3-1/2X0'-3 1/2"	11"	(3) 2x6

NOTES:
1. FASTEN COMPRESSION STUDS TOGETHER PER 1/S5.04.

9 HOLD-DOWN AND COMPRESSION STUD SCHEDULE
NO SCALE

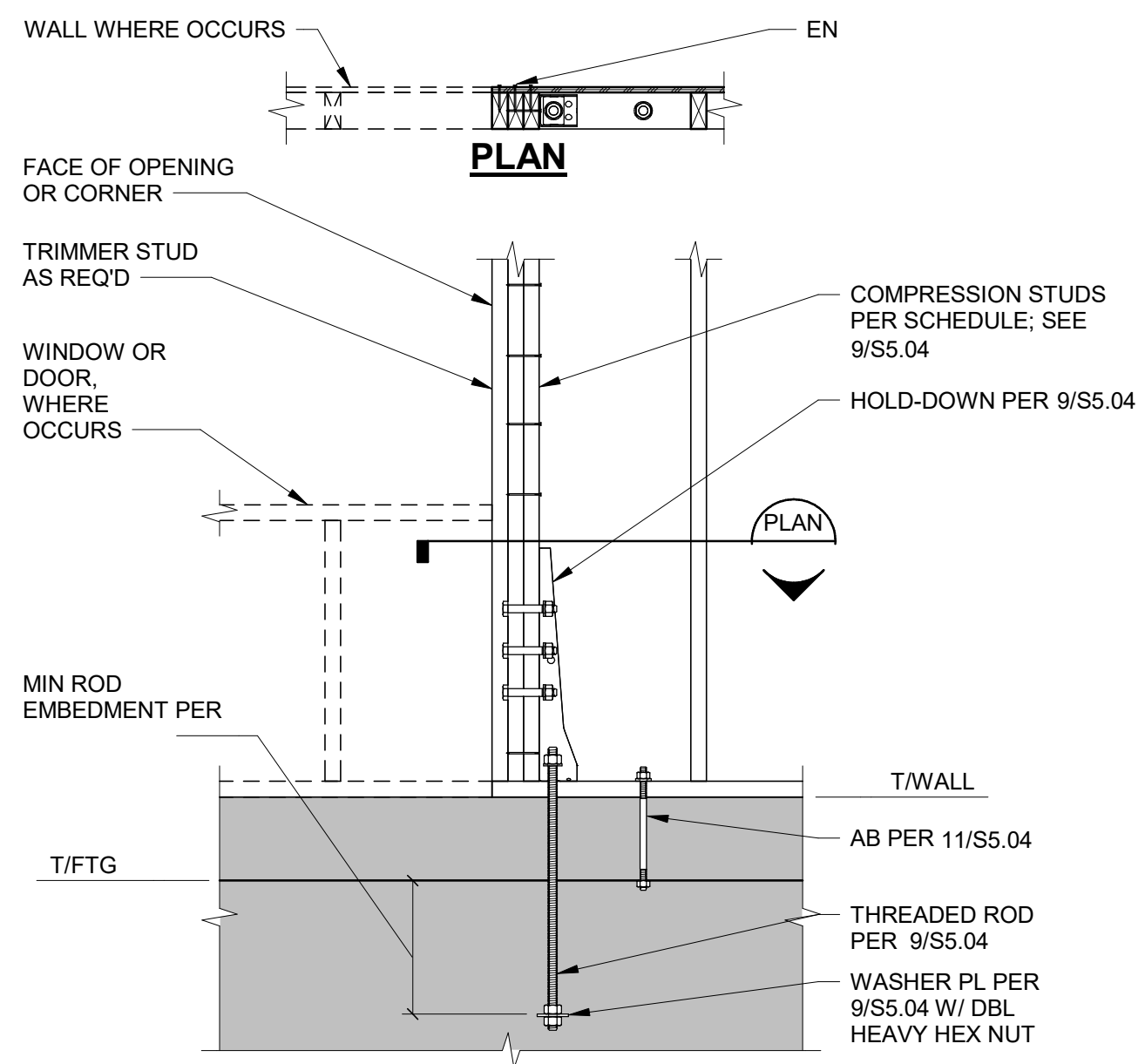
2 TYP HOLD-DOWN STRAP AT FLOOR
NO SCALE



STUD FASTENING SCHEDULE AT PANEL JOINTS		
SHEAR WALL TYPE	STUD FASTENING	
SW6	(2) 16d-SHORT @ 12" OC	
SW4	(2) 16d-SHORT @ 8" OC	
SW3	(2) 16d-SHORT @ 6" OC	
SW2	(2) 16d-SHORT @ 4" OC	
2SW4	(2) 16d-SHORT @ 4" OC	
2SW3	(2) 16d-SHORT @ 3" OC	

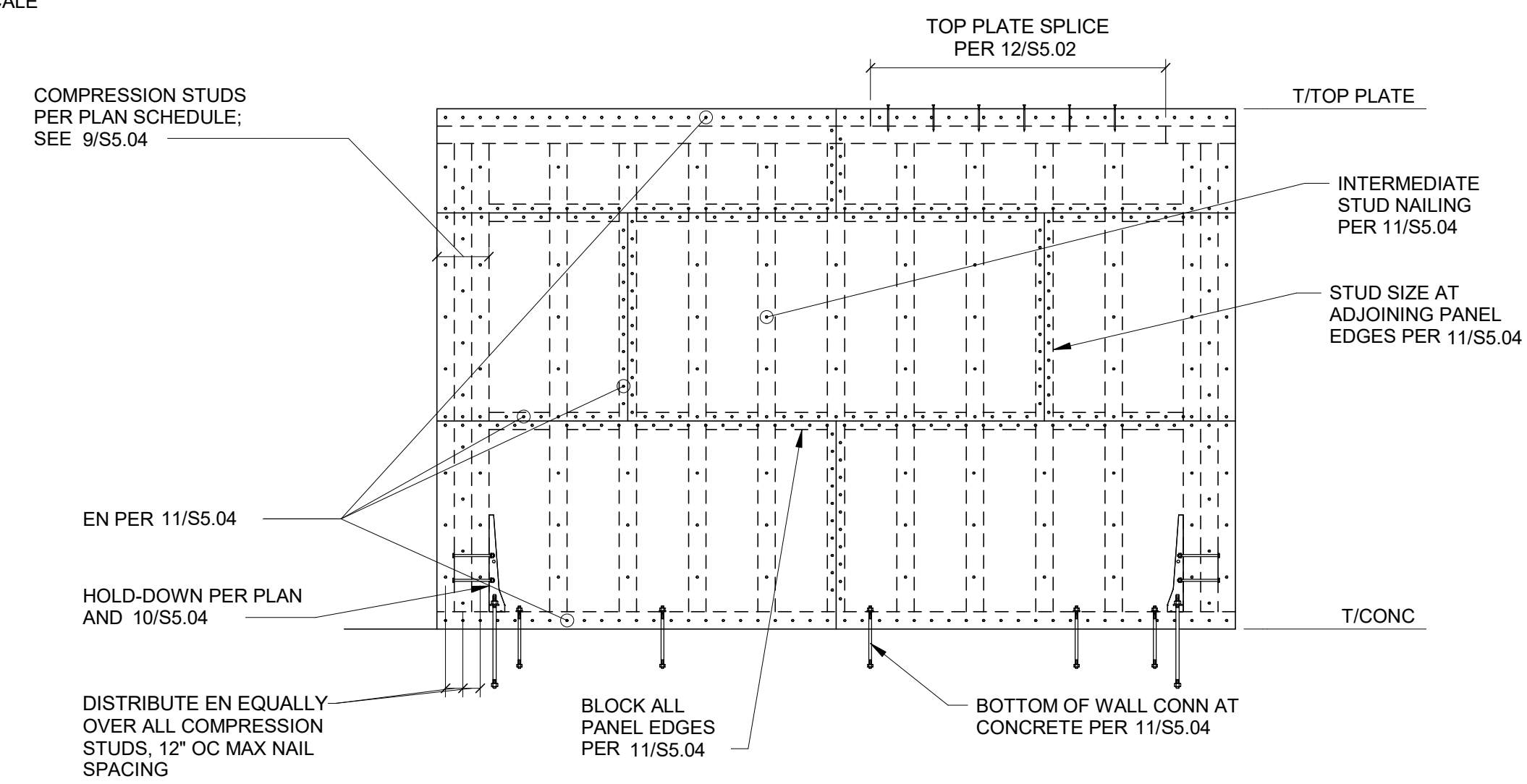
NOTES:
1. THIS DETAIL APPLIES WHERE DOUBLE 2x STUDS ARE USED AT SHEAR WALL PANEL JOINTS IN LIEU OF 3x FRAMING PER NOTE 11 ON 11/S5.04.

6 STUD FASTENING AT SHEAR WALL PANEL JNTS
NO SCALE



10 TYP HOLD-DOWN AT FOUNDATION
NO SCALE

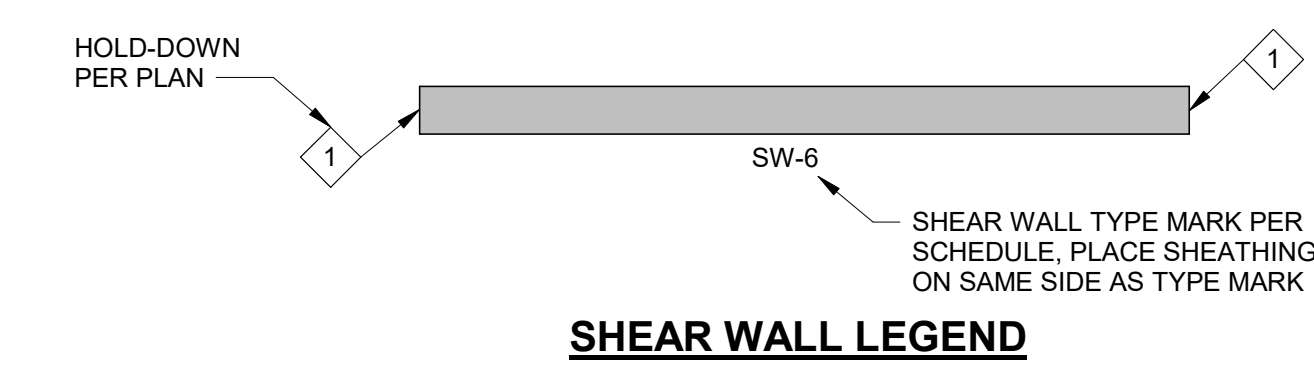
3 TYP COMPRESSION STUD INTERSECTION
NO SCALE



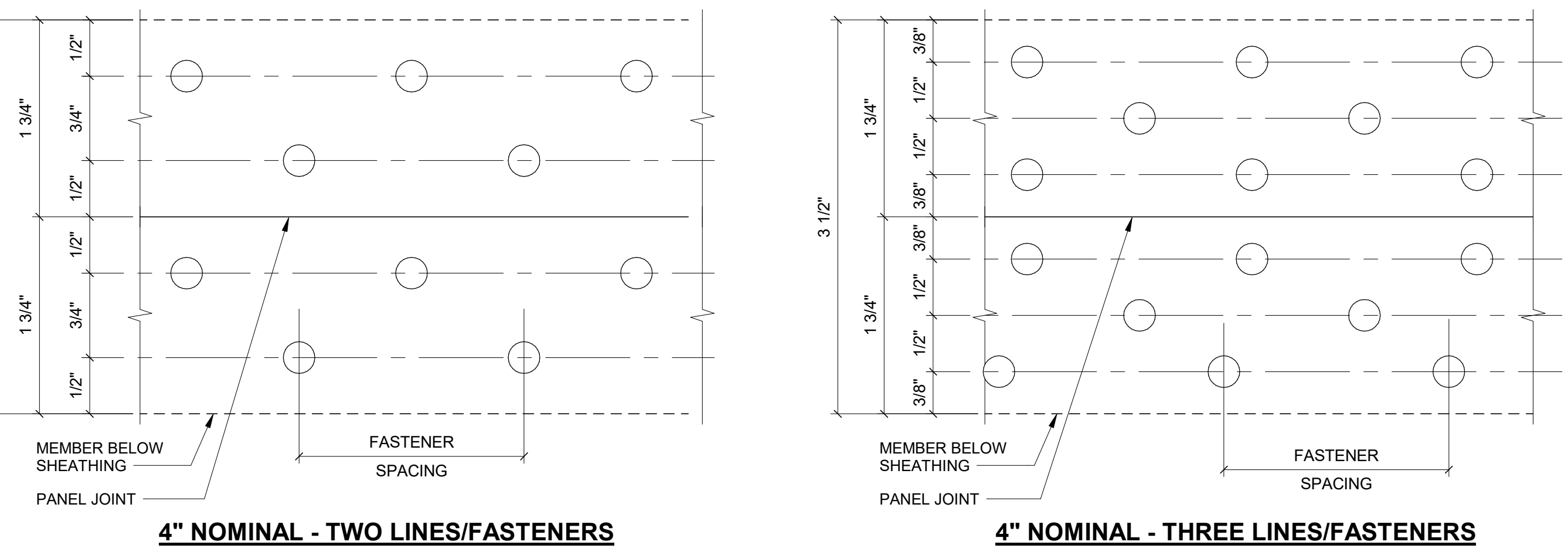
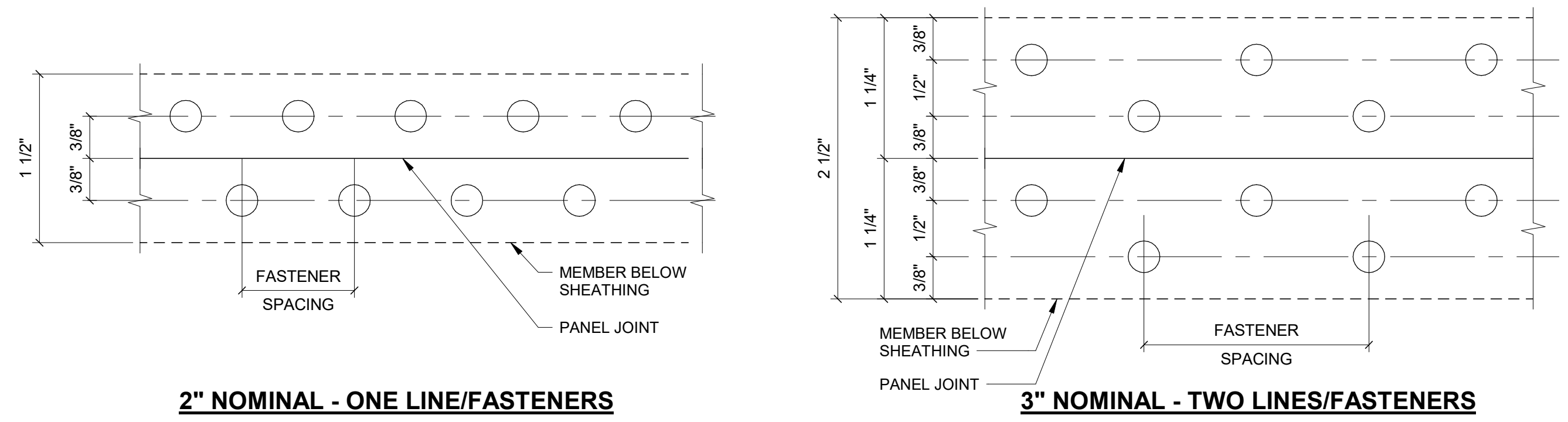
7 TYP SHEAR WALL NAILING
NO SCALE

WOOD SHEAR WALL SCHEDULE									
ALL VALUES ARE BASED ON 2018 IBC AND SDPWS-15 FOR STRUCTURAL PANEL SHEAR WALL WITH FRAMING OF DOUGLAS FIR-LARCH									
TYPE MARK	NUMBER OF SIDES OF SHEATHING	STUD OR BLOCKING SIZE AT ADJOINING PANEL EDGES, SEE NOTE 11	FASTENER SPACING		BOTTOM OF WALL CONNECTION			TOP OF WALL CONNECTION	SEISMIC ALLOWABLE SHEAR (LBS/FT)
			WALL BOUNDARIES AND PANEL EDGES, SEE NOTE 9	INTERMEDIATE STUDS, SEE NOTE 10	AT CONCRETE		AT WOOD FLOOR		
					FIELD OF SLAB, SEE NOTE 8	NEAR EDGE, SEE NOTE 8			
SW-6	1	2x	6" OC	12" OC	5/8"Ø AB @ 48" OC	5/8"Ø AB @ 24" OC	SDS25600 @ 16" OC	SDS25600 @ 16" OC	310
SW-4	1	3x	4" OC	12" OC	5/8"Ø AB @ 48" OC	5/8"Ø AB @ 16" OC	SDS25600 @ 12" OC	SDS25600 @ 12" OC	460
SW-3	1	3x	3" OC	12" OC	5/8"Ø AB @ 32" OC	5/8"Ø AB @ 12" OC	SDS25600 @ 8" OC	SDS25600 @ 8" OC	600
SW-2	1	3x	2" OC	12" OC	5/8"Ø AB @ 24" OC	5/8"Ø AB @ 8" OC	SDS25600 @ 8" OC	SDS25600 @ 8" OC	770
2SW-4	2	3x	4" OC	12" OC	5/8"Ø AB @ 24" OC	5/8"Ø AB @ 8" OC	SDS25600 @ 6" OC	SDS25600 @ 6" OC	920
2SW-3	2	3x	3" OC	12" OC	5/8"Ø AB @ 16" OC	-	SDS25600 @ 4" OC	SDS25600 @ 4" OC	1,200

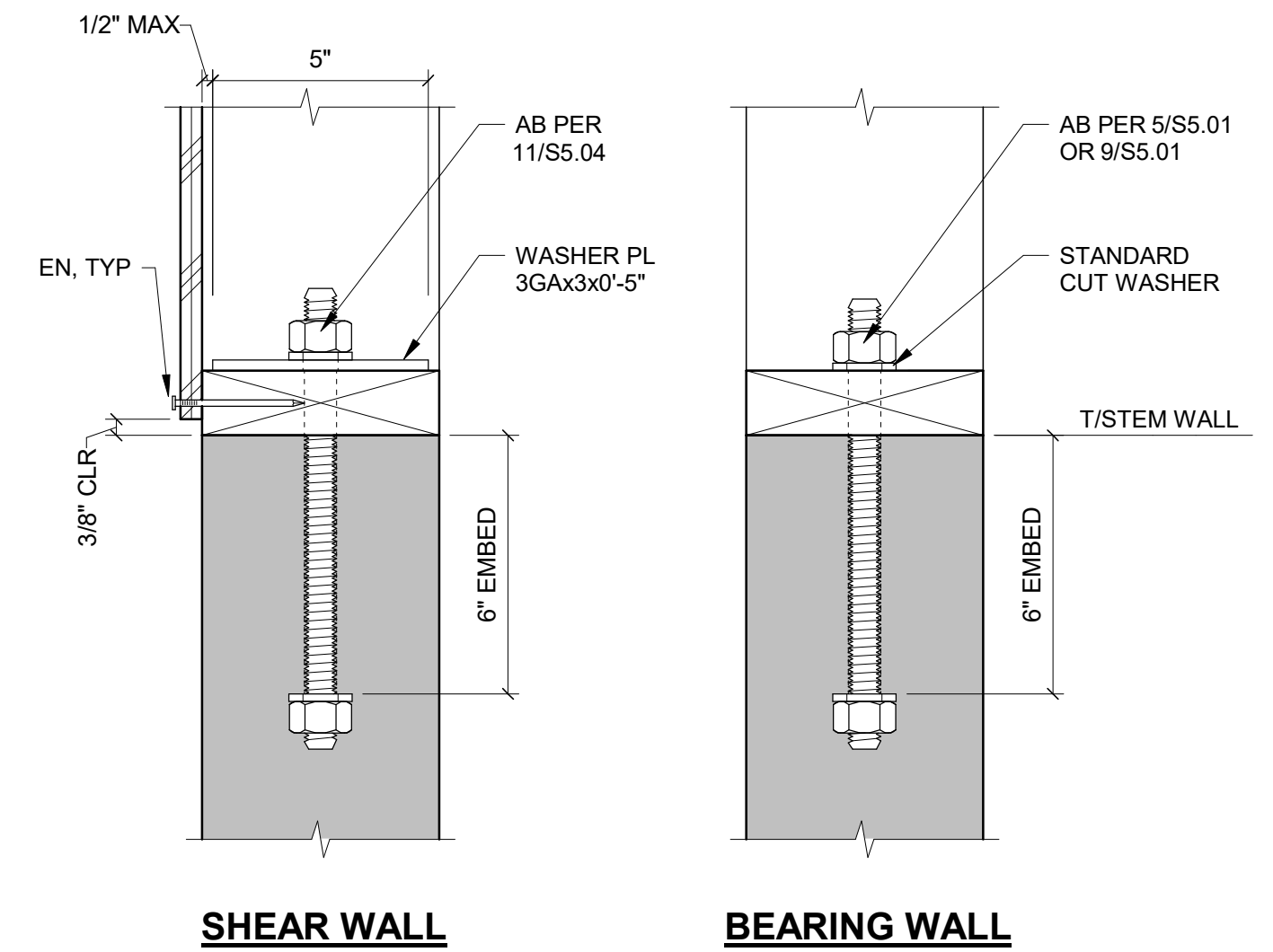
NOTES:
1. SHEATHING NAIL SIZE SHALL BE 0.148"Ø WITH 1-1/2" MINIMUM PENETRATION INTO FRAMING.
2. REFERENCE STRUCTURAL NOTES FOR SHEATHING TYPE AND THICKNESS.
3. INSTALL SHEATHING PANELS EITHER HORIZONTALLY OR VERTICALLY.
4. PLATE WASHERS FOR SILL BOLTS SHALL BE PER 9/S5.04.
5. WHERE NAIL SPACING IS LESS THAN 4" OC, STAGGER EDGE NAILING 1/2".
6. REFER TO 7/S5.04 FOR SHEAR WALL NAILING DETAIL.
7. PRESSURE TREATED SILL PLATE SHALL BE 3x FRAMING.
8. USE NEAR EDGE SPACING WHEN ANCHOR BOLTS ARE WITHIN 12" OF A SLAB EDGE OR SHAFT OPENING, OR ARE PLACED IN A STEM WALL.
9. WALL BOUNDARIES INCLUDE TOP PLATE, BOTTOM PLATE, SILL PLATE, AND COMPRESSION STUDS, UNO.
10. FASTENER SPACING AT INTERMEDIATE MEMBERS SHALL BE 6" OC WHERE STUD SPACING IS 24" OC.
11. AT CONTRACTOR'S OPTION, (2) 2x STUDS MAY BE USED IN LIEU OF 3x STUD FRAMING. SEE 6/S5.04 FOR DOUBLE STUD FASTENING.
12. WHERE SHEATHING IS APPLIED ON BOTH SIDES OF WALL, PANEL EDGE JOINTS SHALL BE STAGGERED SO THAT JOINTS ON THE OPPOSITE SIDES ARE NOT LOCATED ON THE SAME STUD.



11 WOOD SHEAR WALL SCHEDULE
NO SCALE



7 TYP PANEL EDGE FASTENER SPACING
NO SCALE

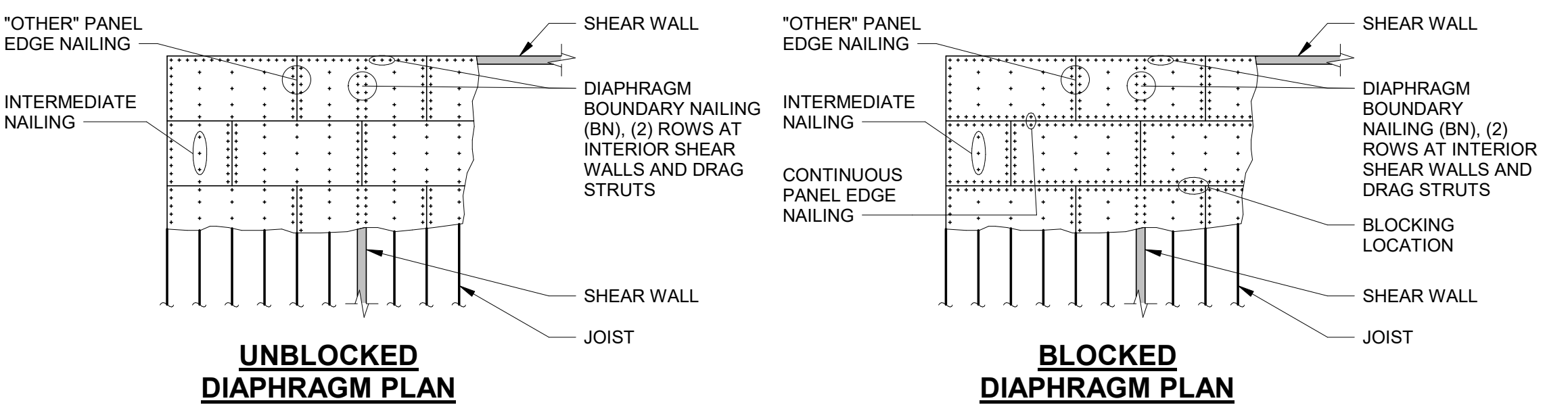


NOTES:
1. CENTER ANCHOR BOLTS ON THE SILL PLATE.

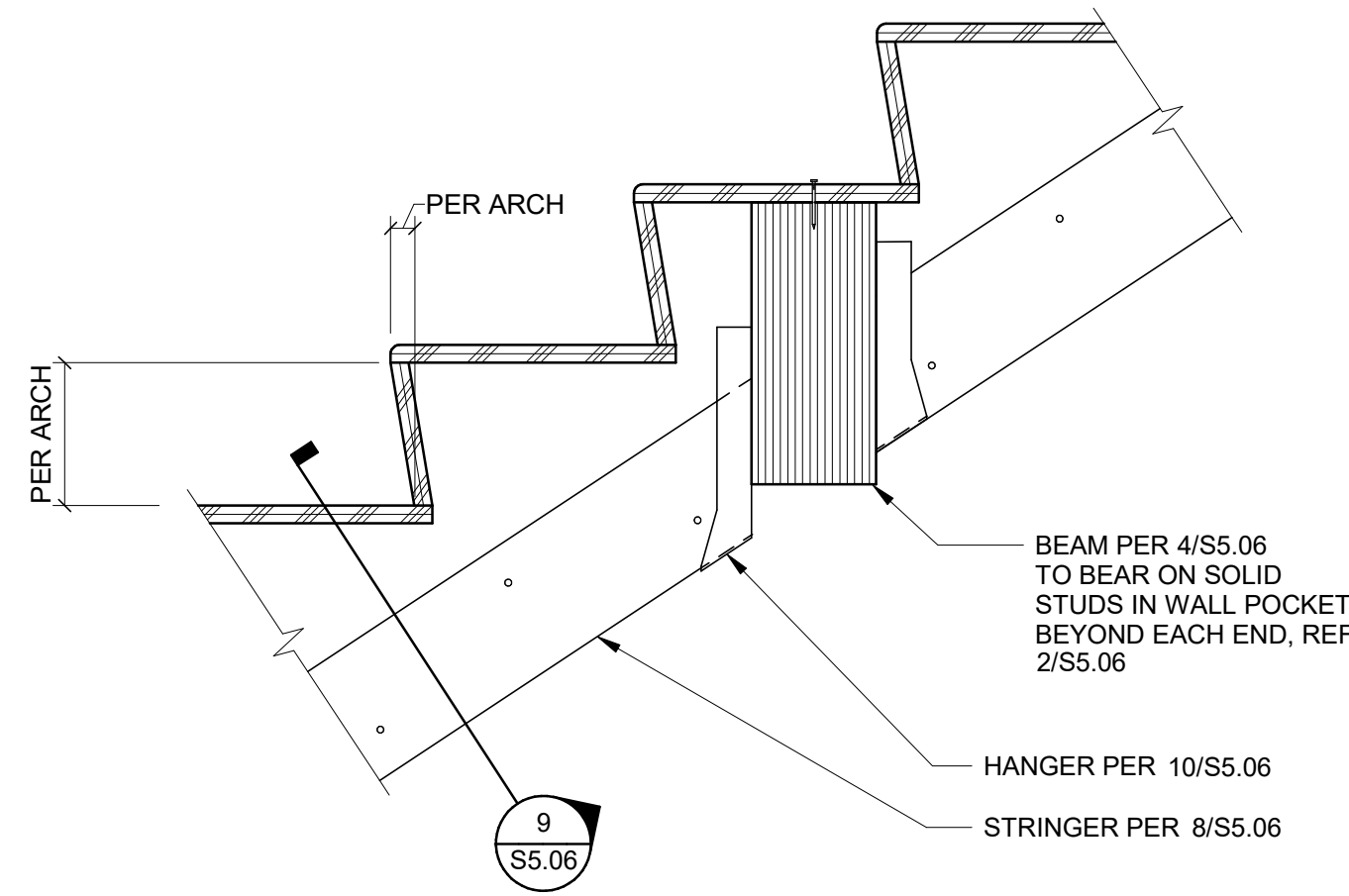
10 TYP ANCHOR BOLTS AT STEM WALL
NO SCALE

ROOF/FLOOR DIAPHRAGM NAILING SCHEDULE									
ALL VALUES ARE BASED ON 2018 IBC AND SDPWS-15 FOR STRUCTURAL PANEL DIAPHRAGMS WITH FRAMING OF DOUGLAS FIR-LARCH									
LOCATION	SHEATHING CATEGORY	BLOCKING REQUIRED	MIN FRAMING AND BLKG WIDTH	NUMBER OF LINES OF FASTENERS	FASTENER SPACING			SEISMIC ALLOWABLE SHEAR (LBS/FT)	
					DIAPHRAGM BOUNDARIES, SEE NOTE 3	CONTINUOUS PANEL EDGES	OTHER PANEL EDGES		
FLOOR	1-1/8	NO	2x	1	6" OC	-	6" OC	12" OC	215
ROOF	19/32	YES	2x	1	4" OC	4" OC	6" OC	12" OC	480

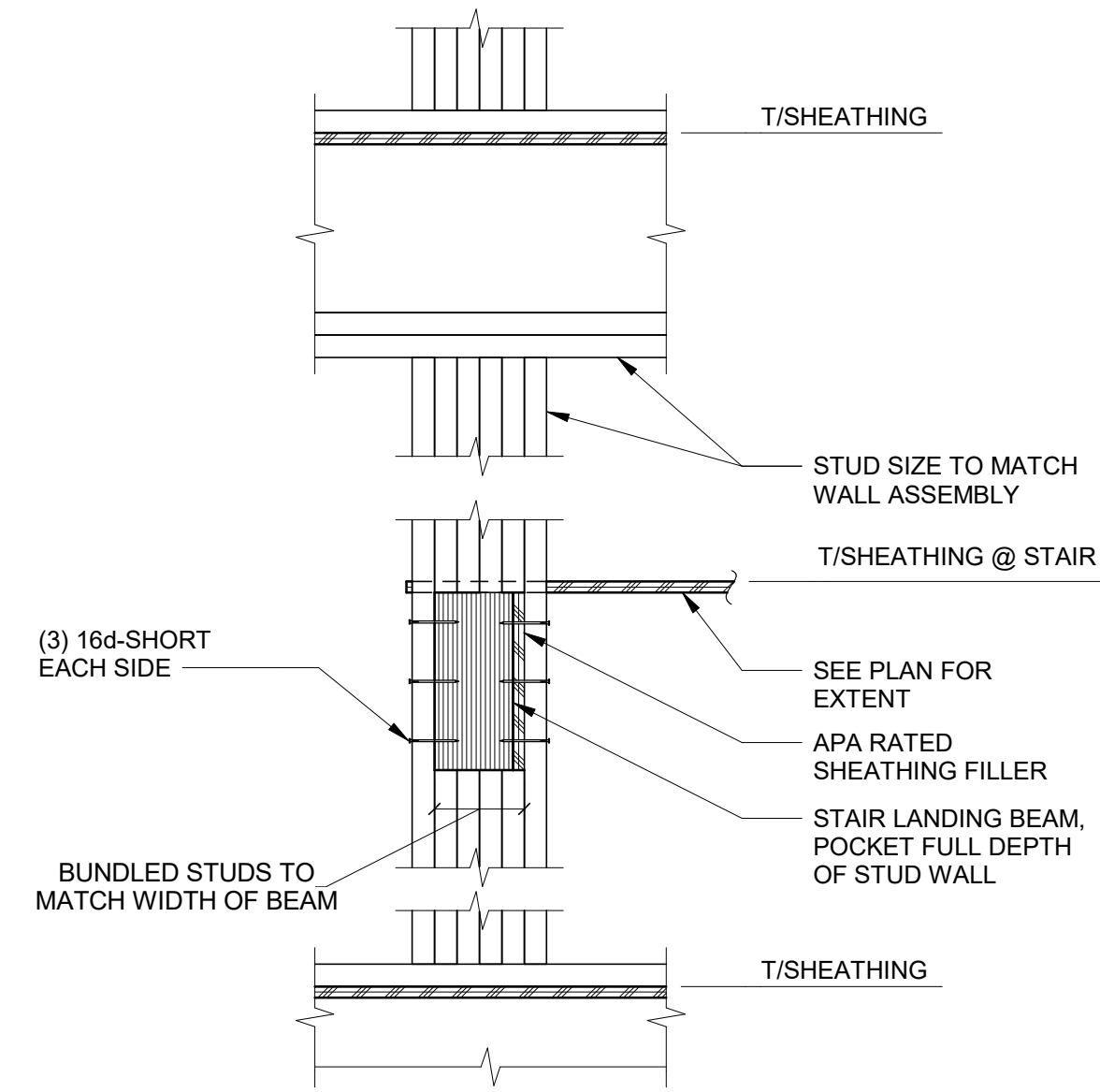
NOTES:
1. SHEATHING NAIL SIZE SHALL BE 0.148" Ø WITH 1-1/2" MINIMUM PENETRATION INTO FRAMING.
2. ORIENT SHEATHING PERPENDICULAR TO FLOOR/ROOF FRAMING. STAGGER SHEATHING.
3. DIAPHRAGM BOUNDARIES INCLUDE DIAPHRAGM PERIMETER, SHEAR WALLS, AND DRAG STRUTS INDICATED ON PLAN.



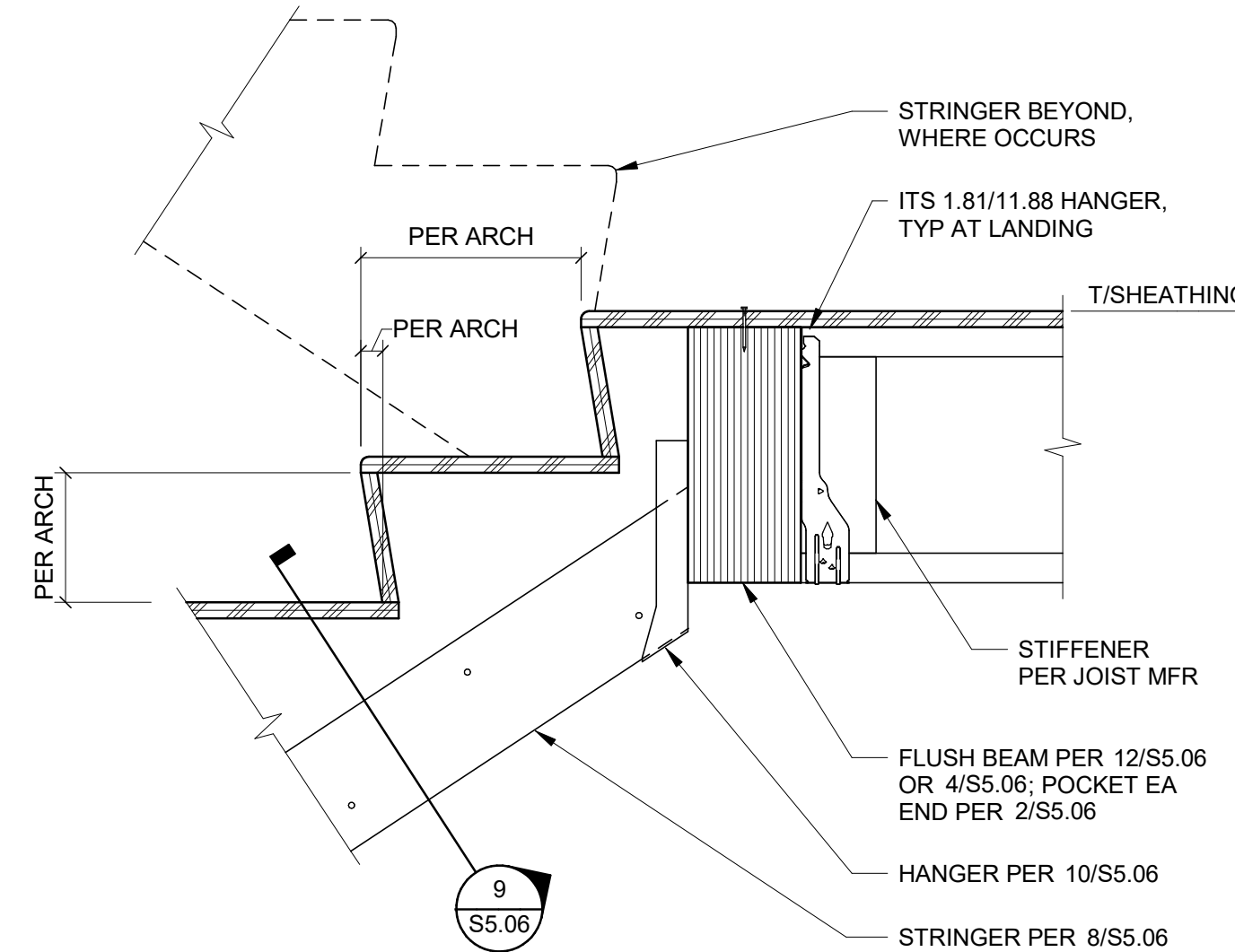
11 ROOF/FLOOR DIAPHRAGM NAILING SCHEDULE
NO SCALE



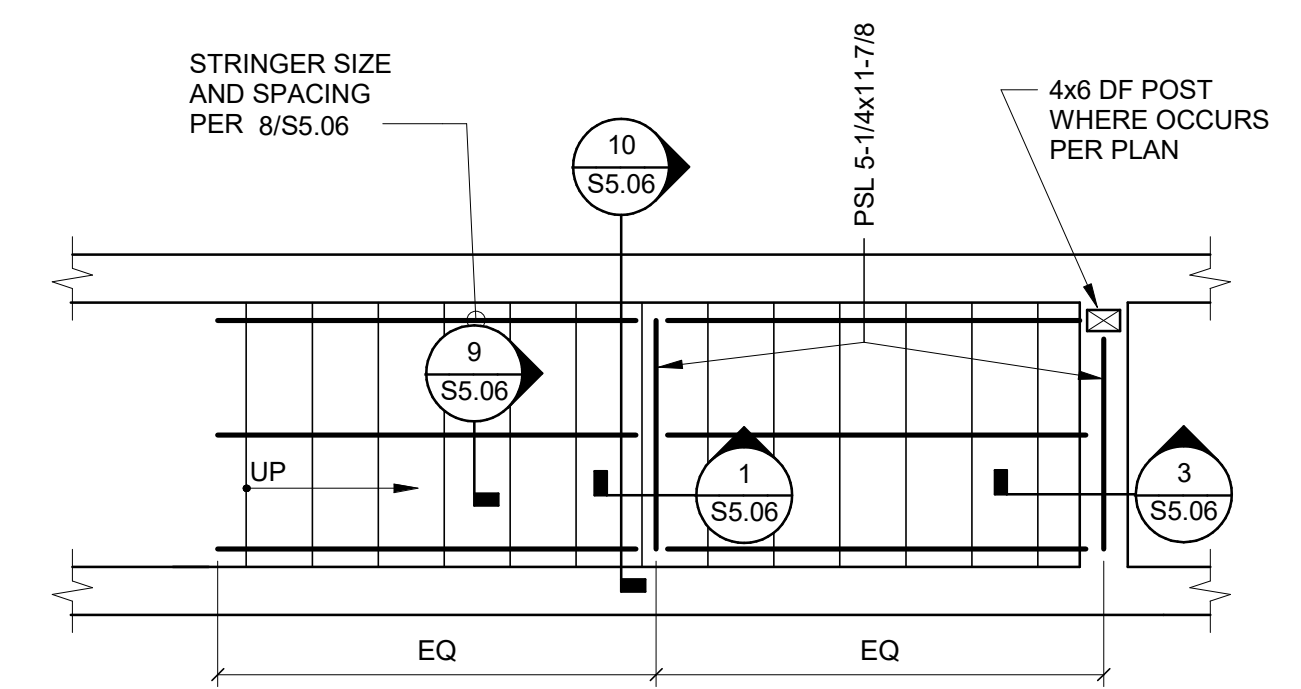
1 STRINGER CONN TO BEAM
NO SCALE



2 STAIR BEAM CONN TO WOOD WALL
NO SCALE

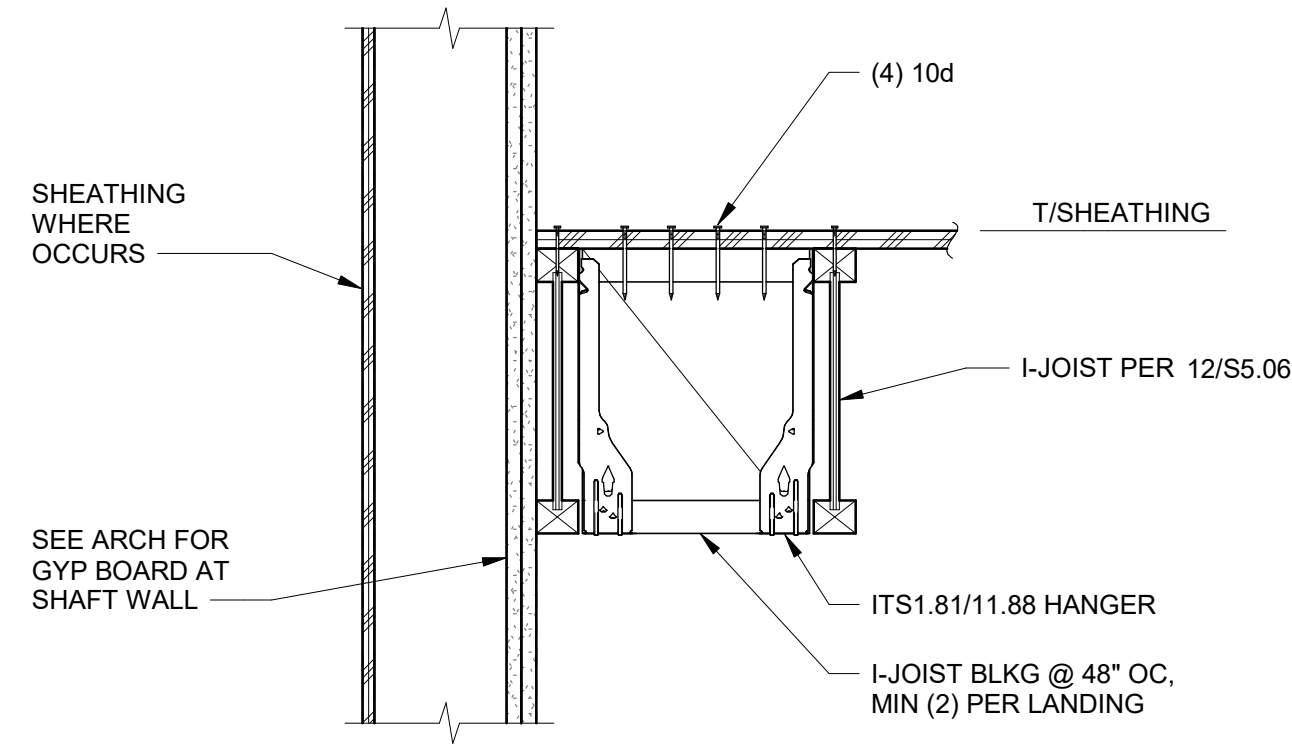


3 STRINGER CONN TO LANDING
NO SCALE

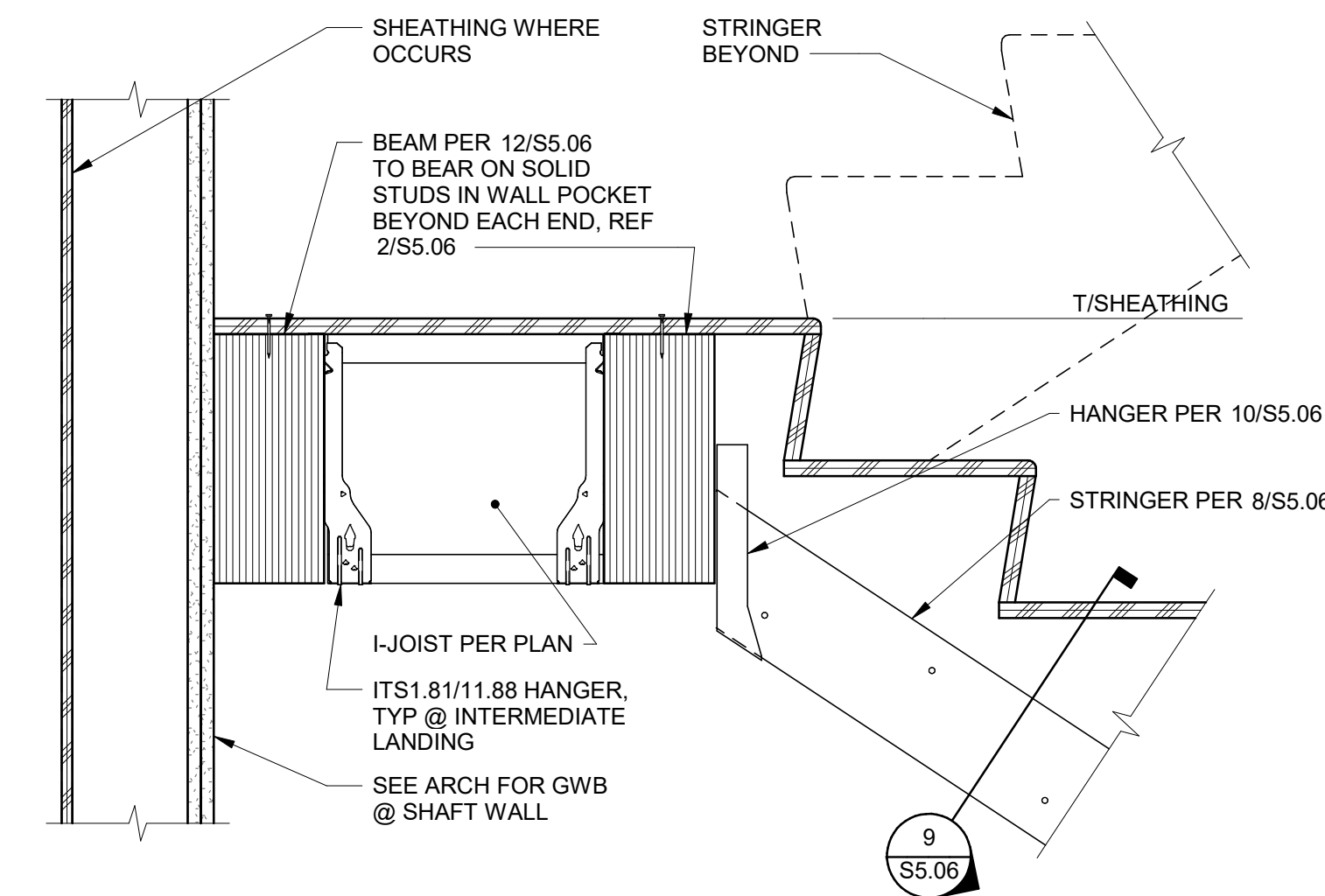


4 TYP STRAIGHT RUN STAIRS
NO SCALE

NOTES:
1. PARTIAL PLAN INTENDED TO SHOW FRAMING RELATIONSHIPS AND TYPICAL DETAILS. SEE ARCHITECTURAL DRAWINGS FOR ACTUAL STAIR CIRCULATION, DIRECTION, AND LANDING ELEVATIONS.



6 INTERMEDIATE STAIR LANDING - JOIST PARALLEL TO SHAFT WALL
NO SCALE

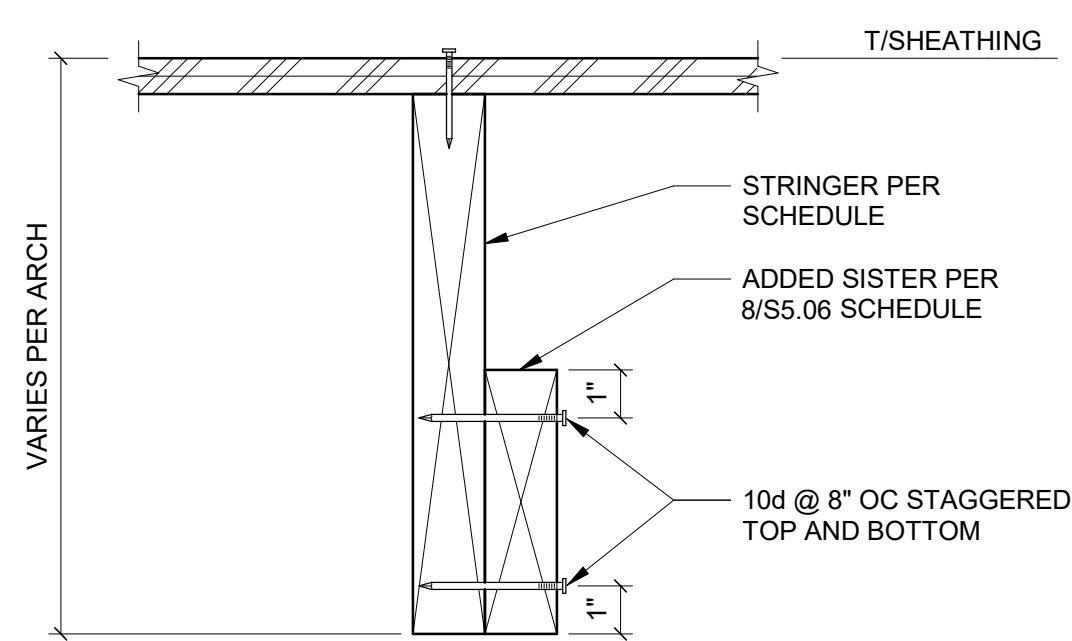


7 INTERMEDIATE STAIR LANDING
NO SCALE

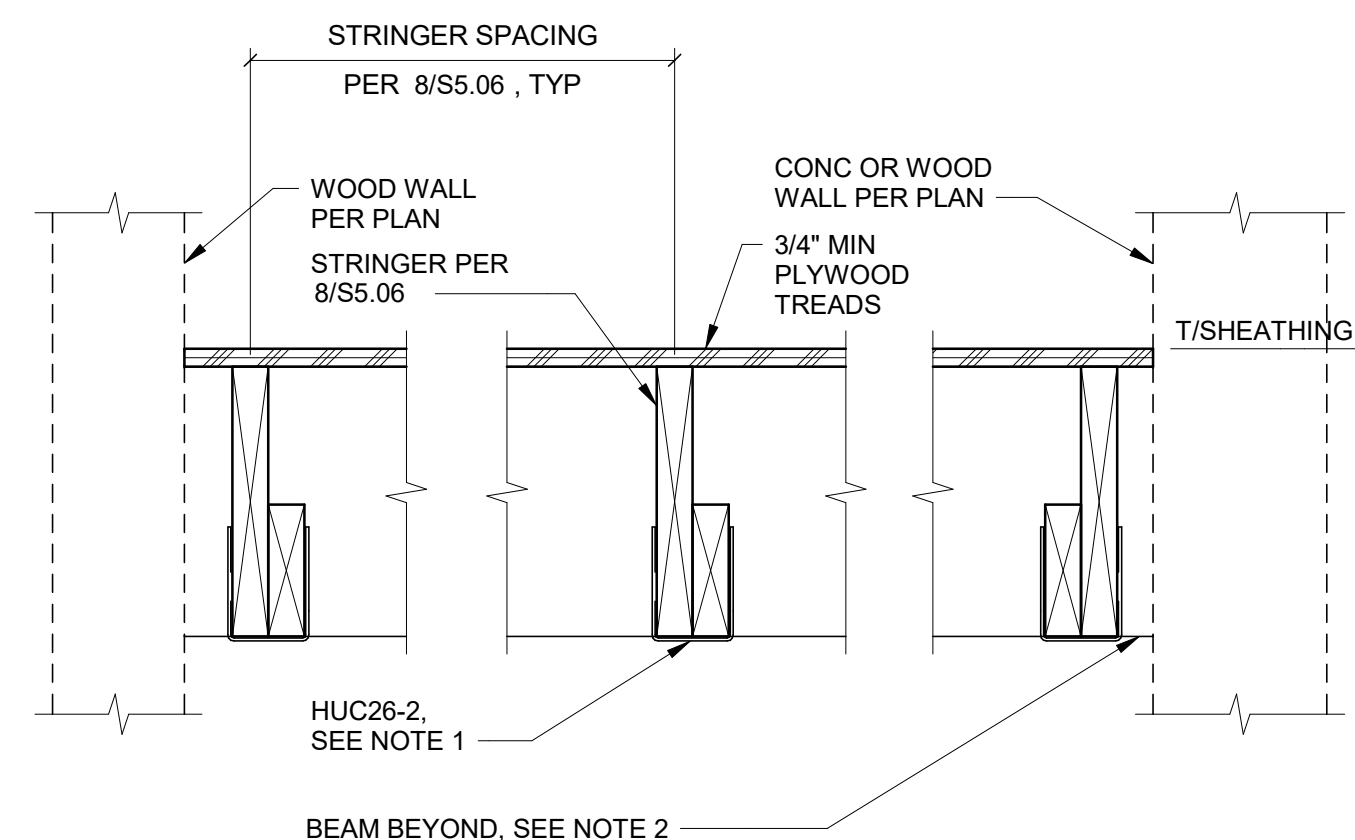
WOOD STRINGER SCHEDULE			
STRINGER HORIZONTAL SPAN	MAIN STRINGER SIZE	ADDED SISTER	MAX STRINGER SPACING
UP TO 10'-6"	(2) LSL 1-3/4x14	-	1'-4" OC
UP TO 9'-0"	2x12	2x6	1'-0" OC
UP TO 8'-4"	2x12	2x6	1'-4" OC

NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR STAIR LAYOUT.
2. REFERENCE 9/S5.06 FOR TYPICAL STRINGER SECTION.
3. PROVIDE PRESSURE-TREATED STRINGER WHERE IN CONTACT WITH CONCRETE.

8 WOOD STRINGER SCHEDULE
NO SCALE

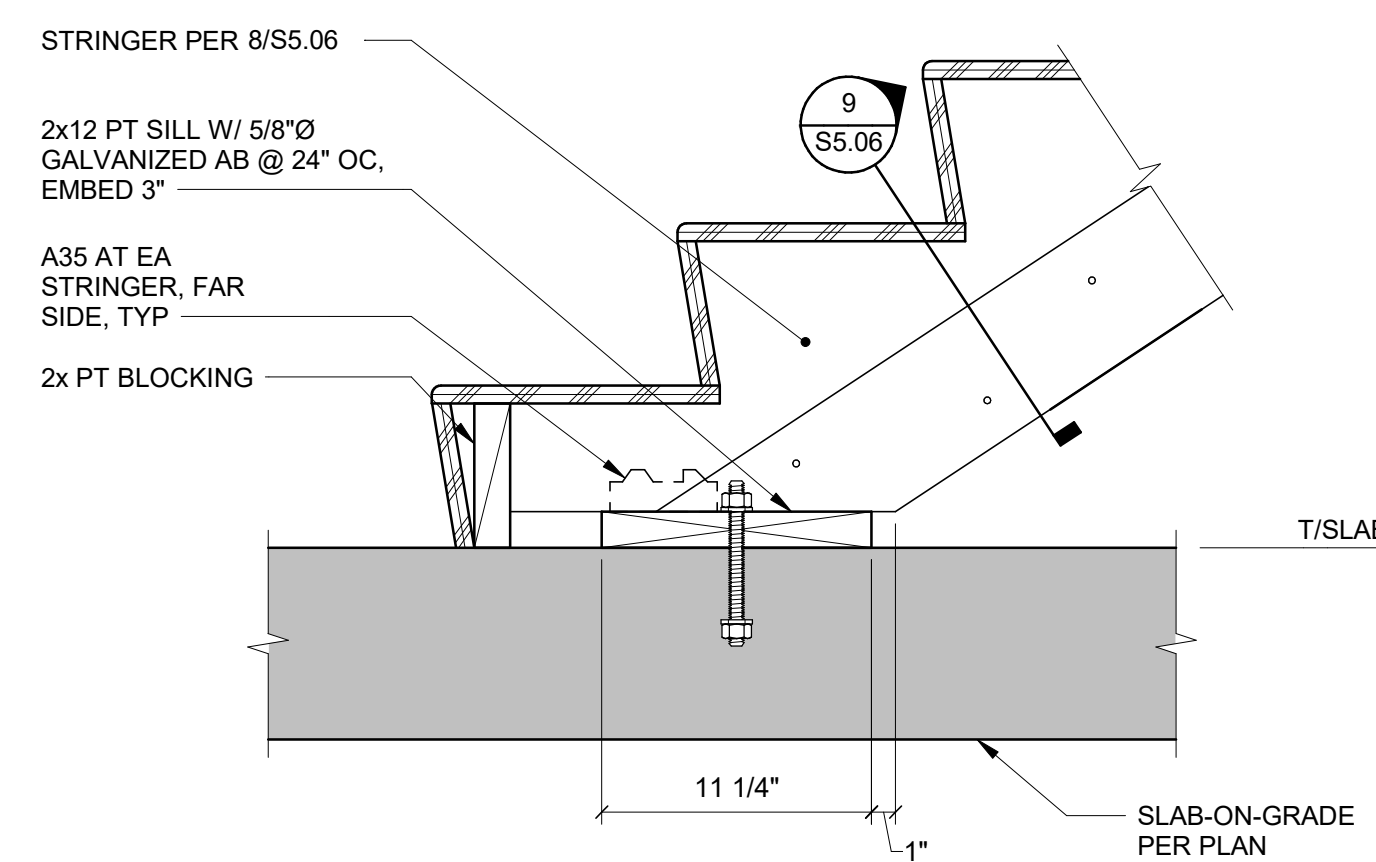


9 STRINGER SECTION
NO SCALE

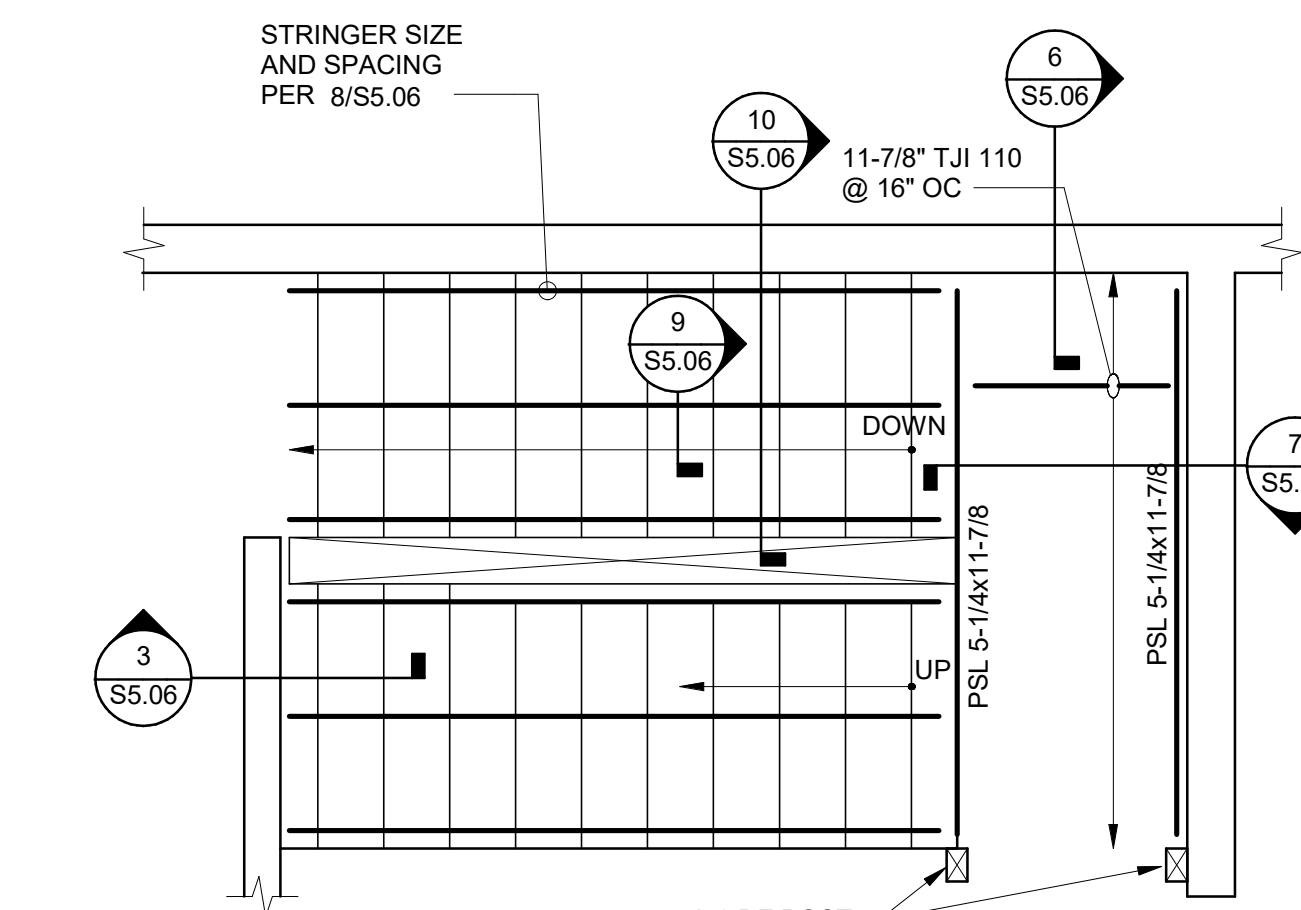


NOTES:
1. PROVIDE HHUSC48 AT (2) 1-3/4" LSL STRINGERS.
2. AT WOOD WALL, POCKET INTO WALL EACH END PER 2/S5.06. AT CONCRETE WALL, ATTACH PER

10 STRINGER SECTION
NO SCALE

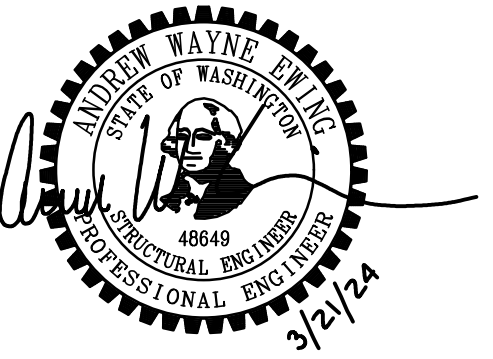


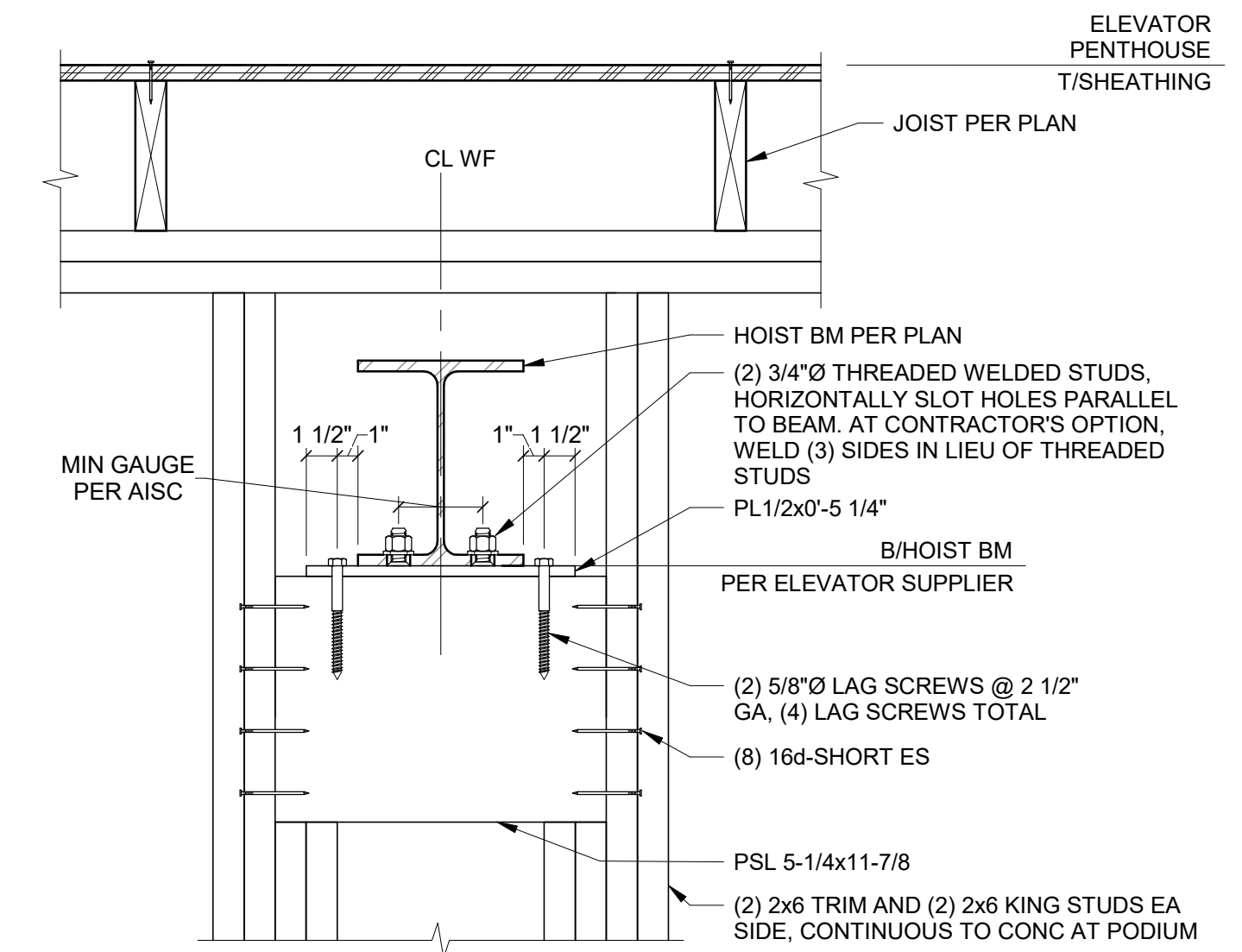
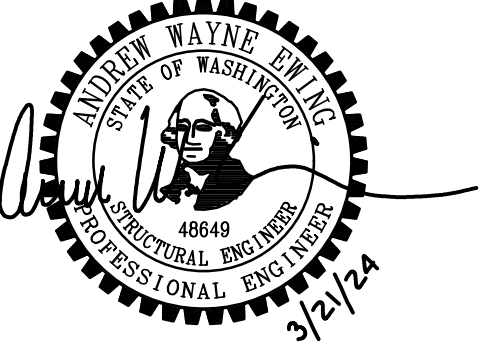
11 TYP BOTTOM OF STRINGER CONN TO CONCRETE SLAB
NO SCALE



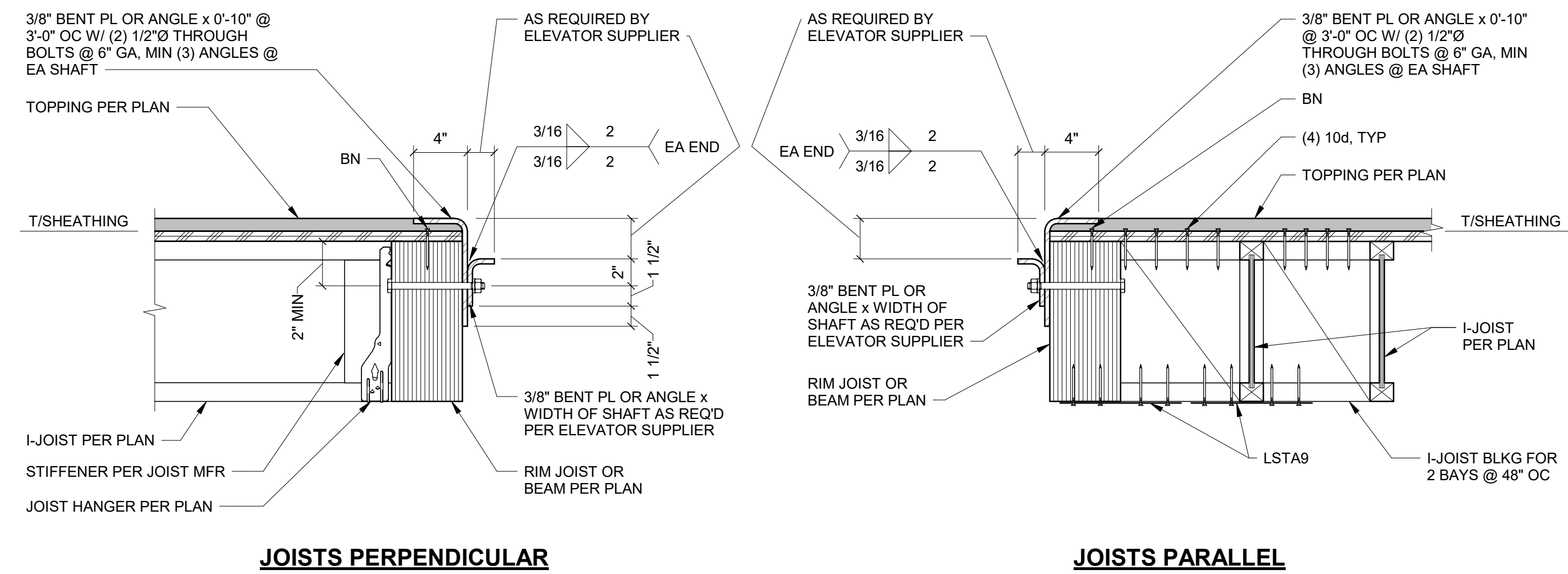
NOTES:
1. PARTIAL PLAN INTENDED TO SHOW FRAMING RELATIONSHIPS AND TYPICAL DETAILS. SEE ARCHITECTURAL DRAWINGS FOR ACTUAL STAIR CIRCULATION, DIRECTION, AND LANDING ELEVATIONS.
2. STAIR LANDING SHEATHING IS 25/32" T&G PLYWOOD ATTACHED TO SUPPORTING FRAMING WITH 8d @ 6" OC AT ALL PANEL EDGES AND 12" OC AT ALL INTERMEDIATE FRAMING.

12 STAIR WITH MID-LANDING
NO SCALE

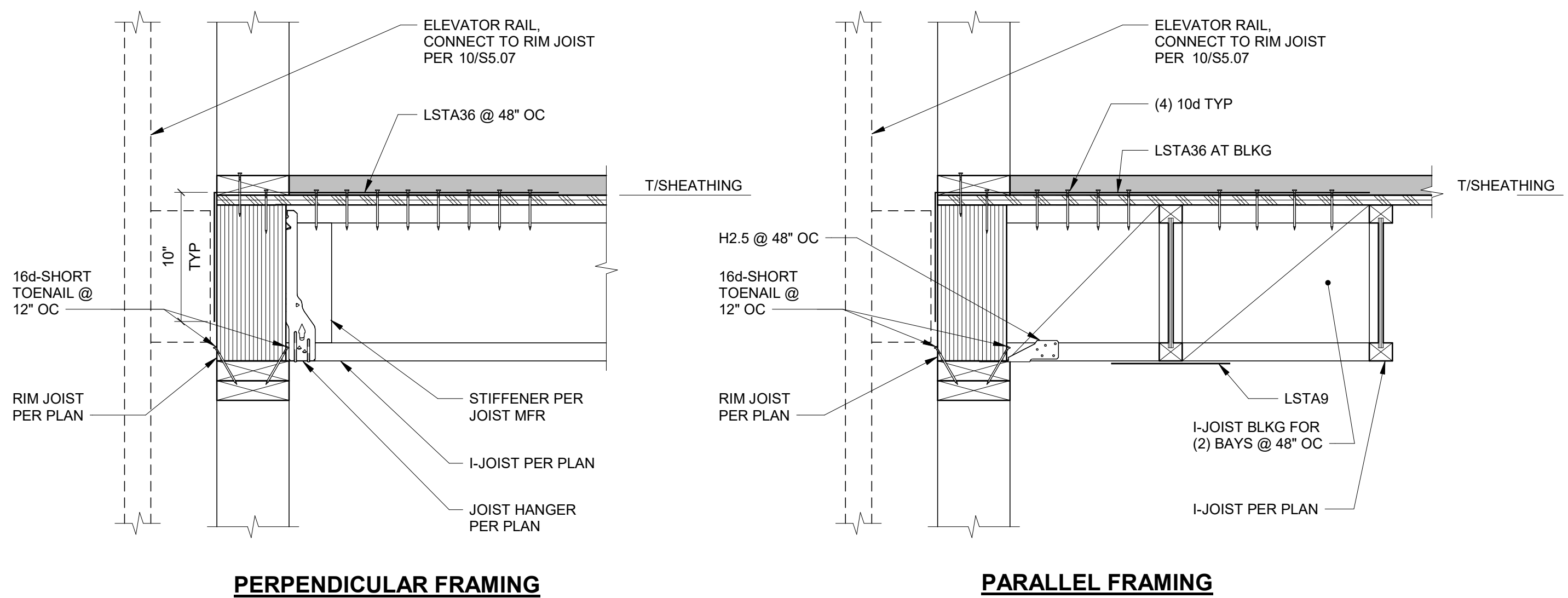




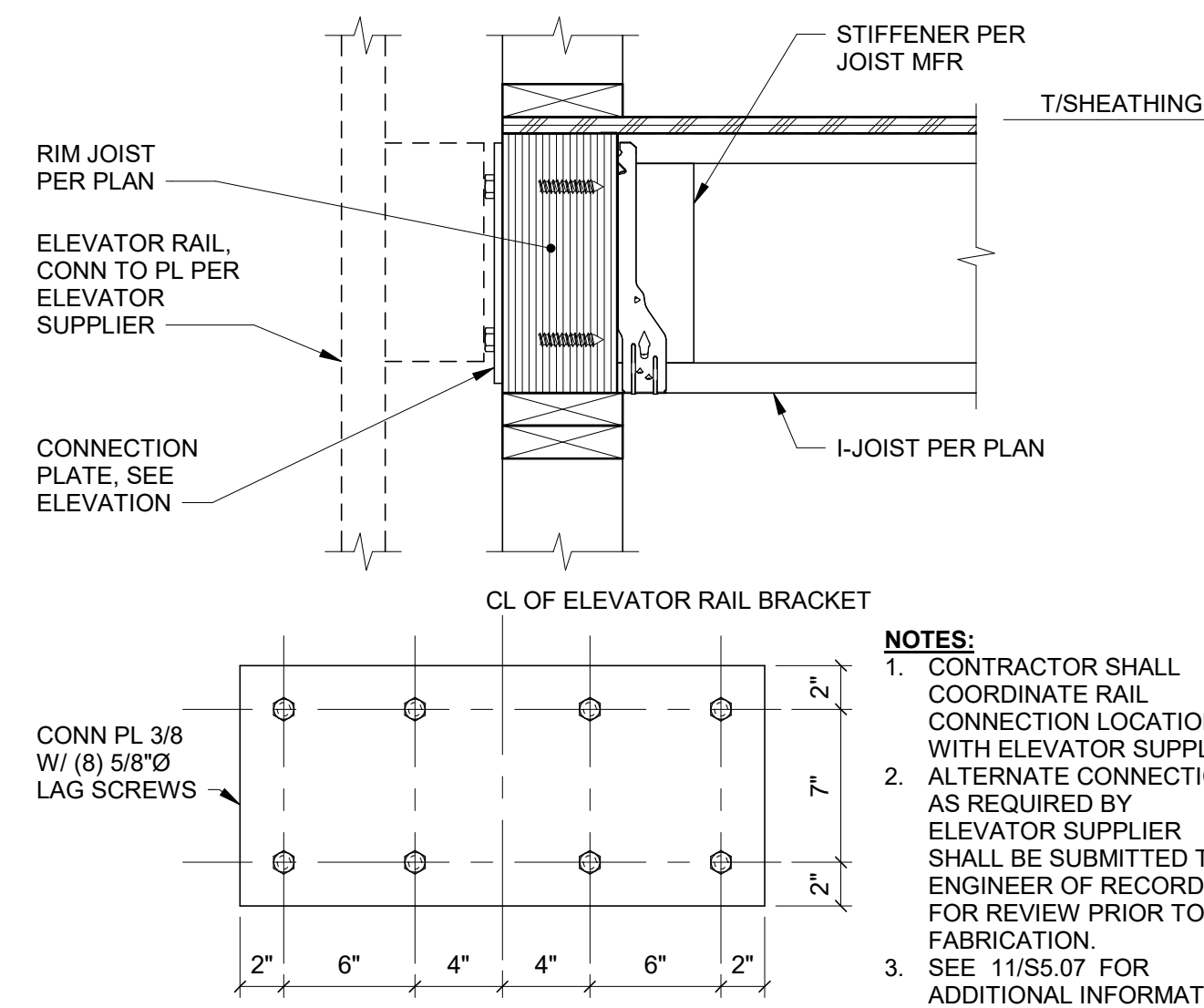
4 TYP ELEVATOR HOIST BEAM CONNECTION
NO SCALE



7 TYP ELEVATOR DOOR SILL
NO SCALE



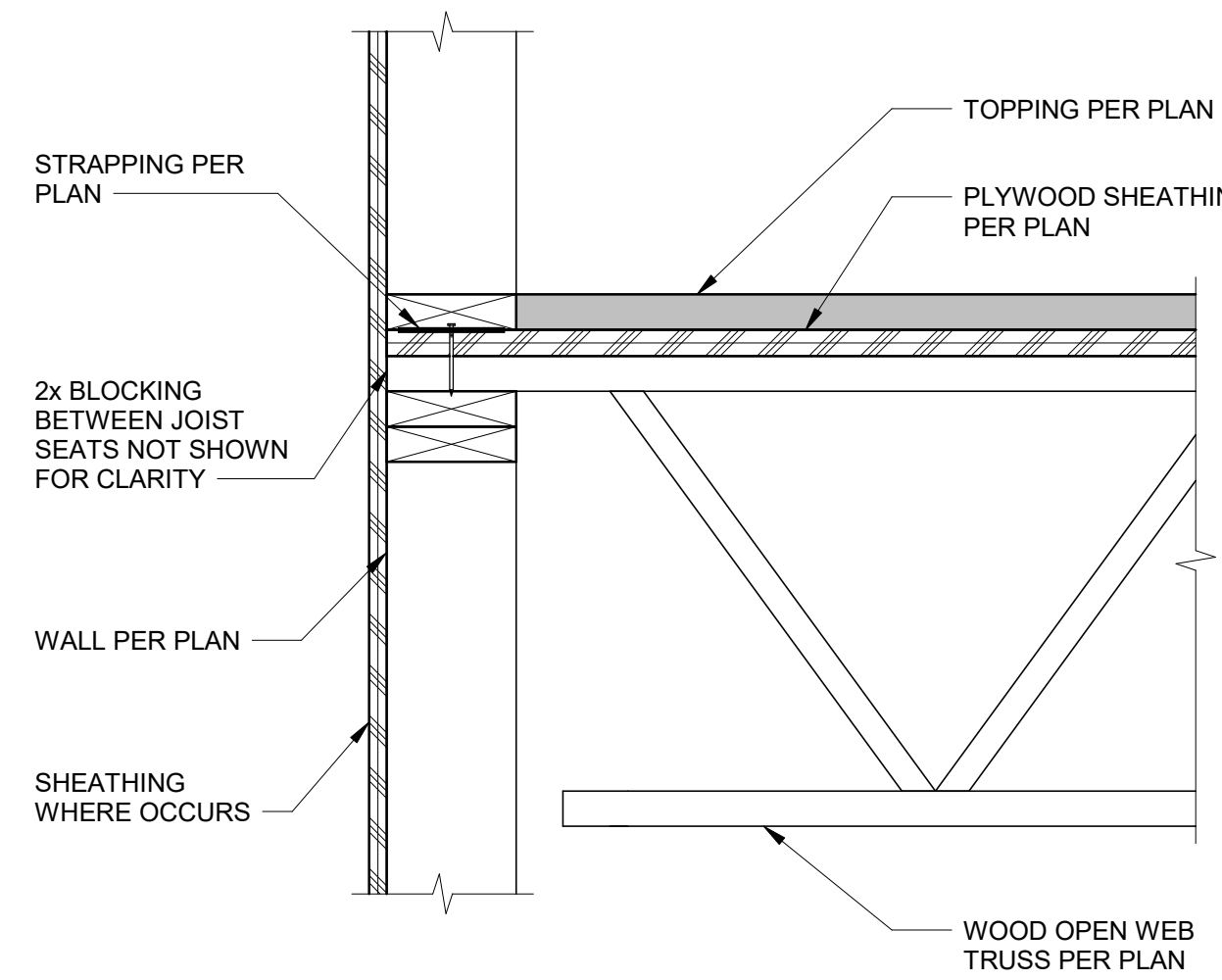
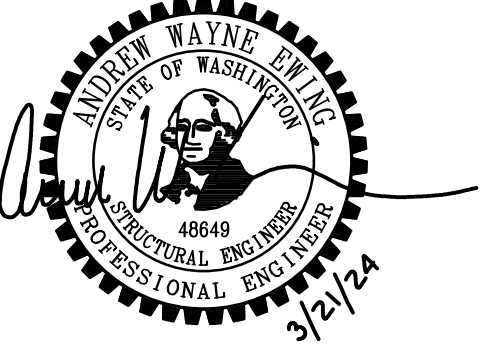
11 TYP ELEVATOR SHAFT AT GUIDE RAILS
NO SCALE



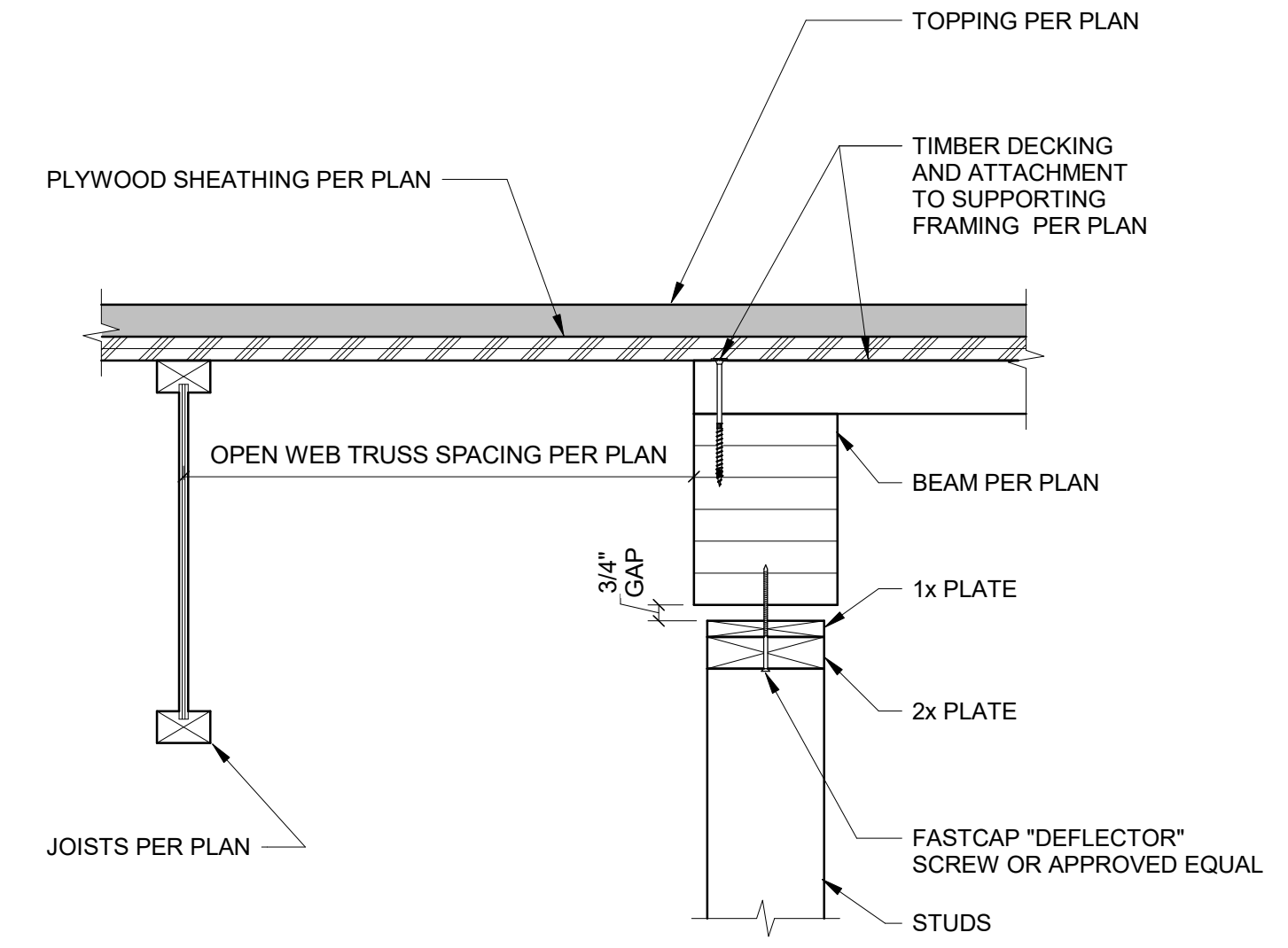
10 TYP ELEVATOR RAIL CONNECTION PLATE
NO SCALE

TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

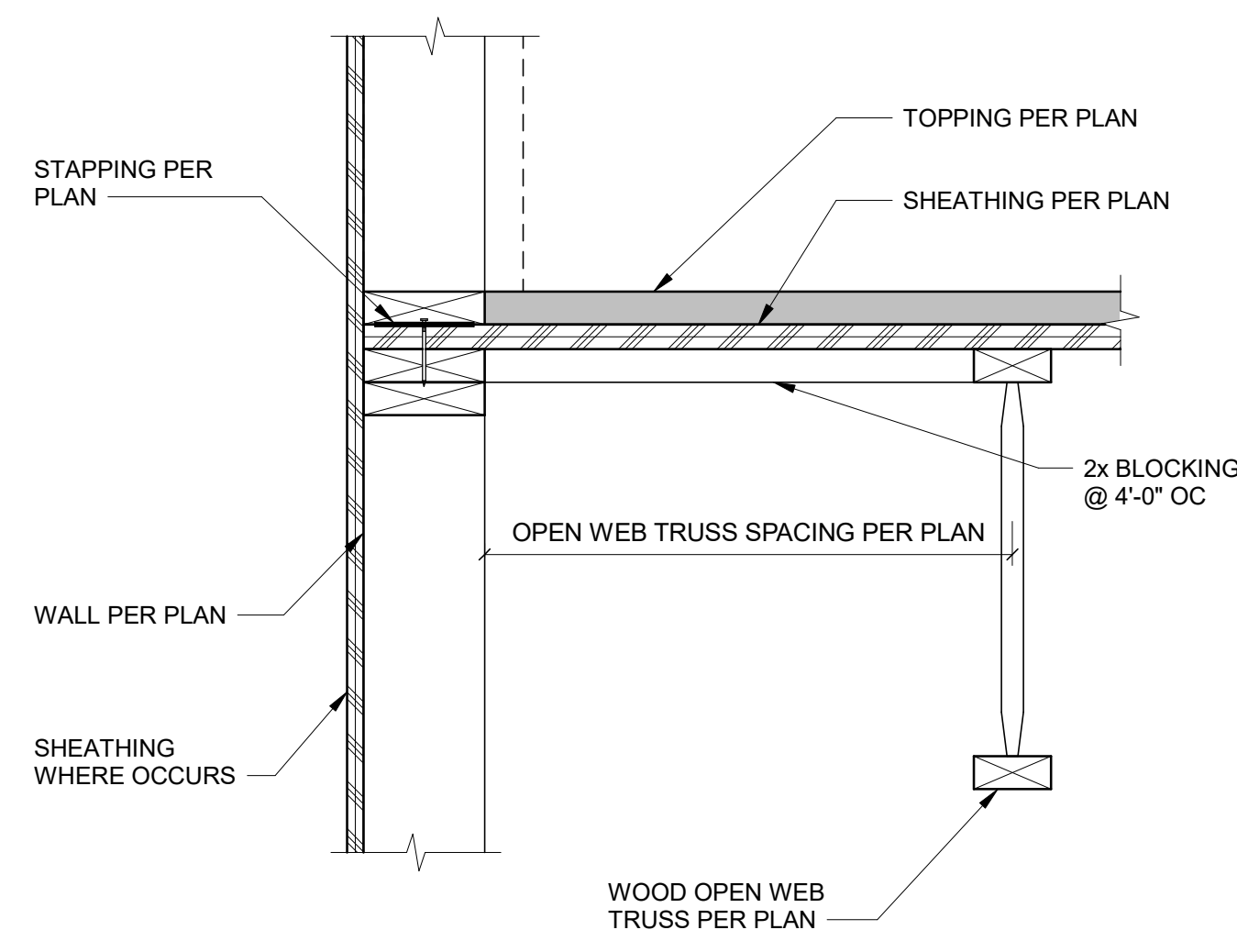
ISSUE LIST	
PERMIT ISSUE	5/23/23
BID ISSUE	3/21/24



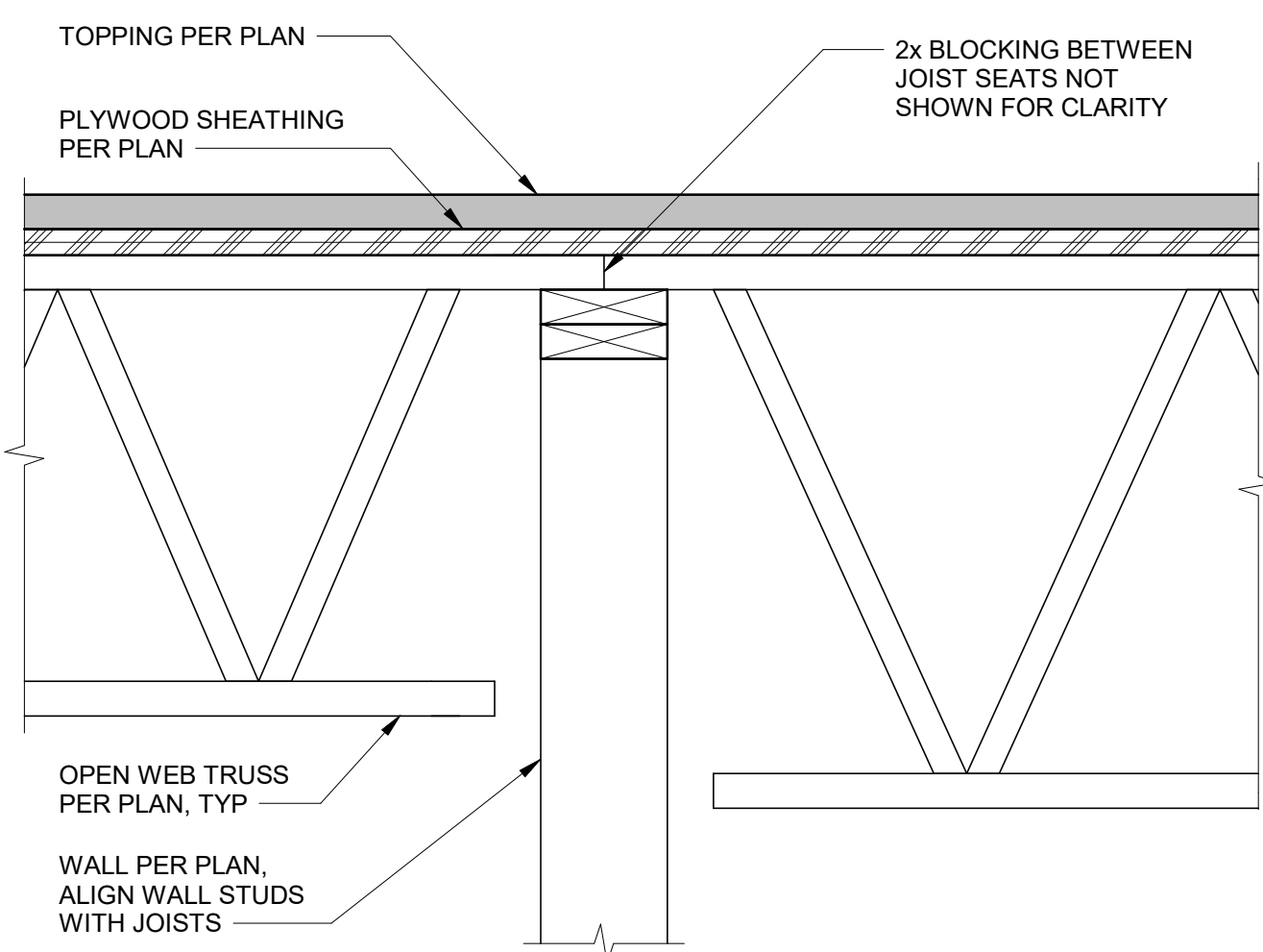
3 SECTION
NO SCALE



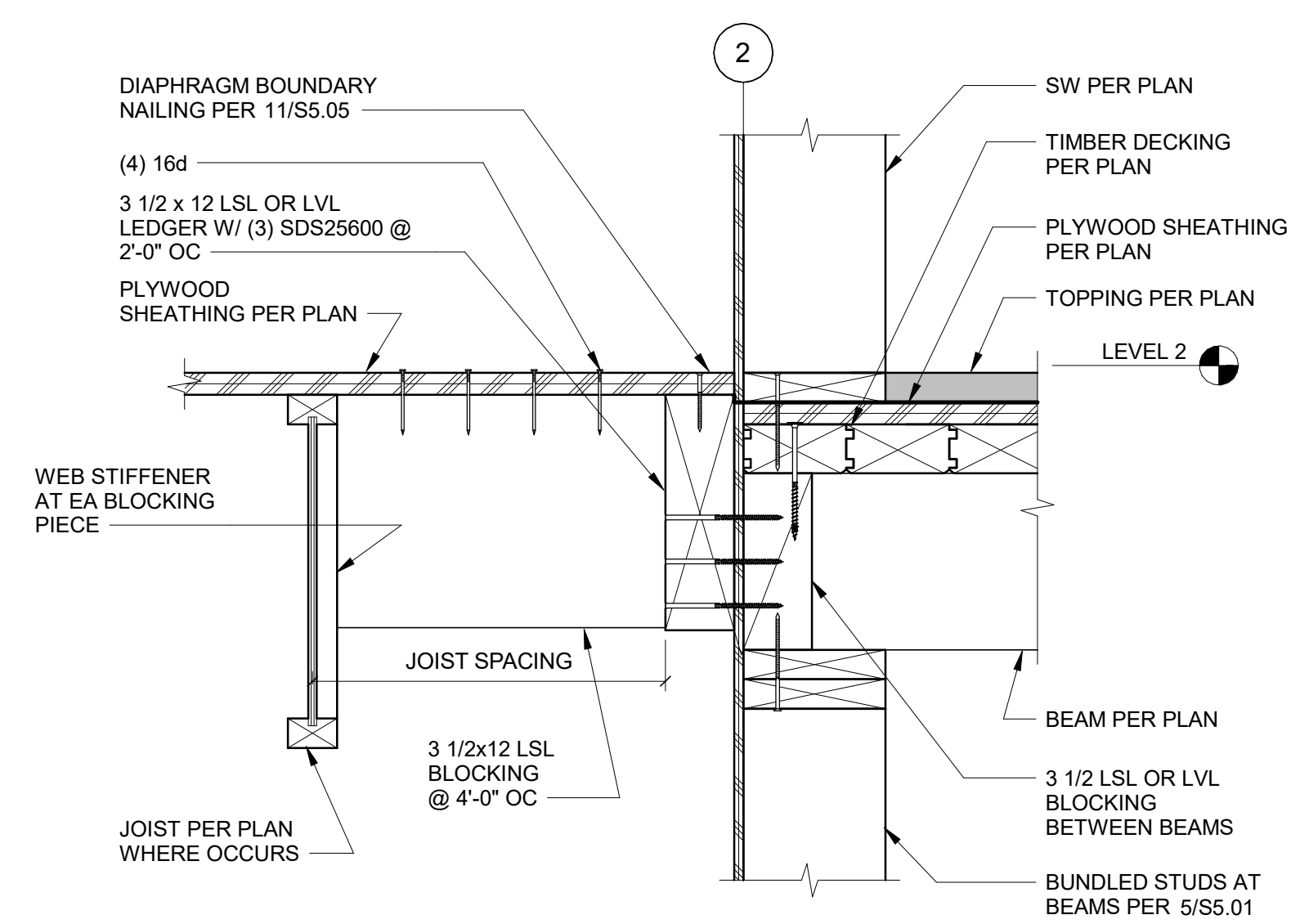
4 SECTION
1 1/2" = 1'-0"



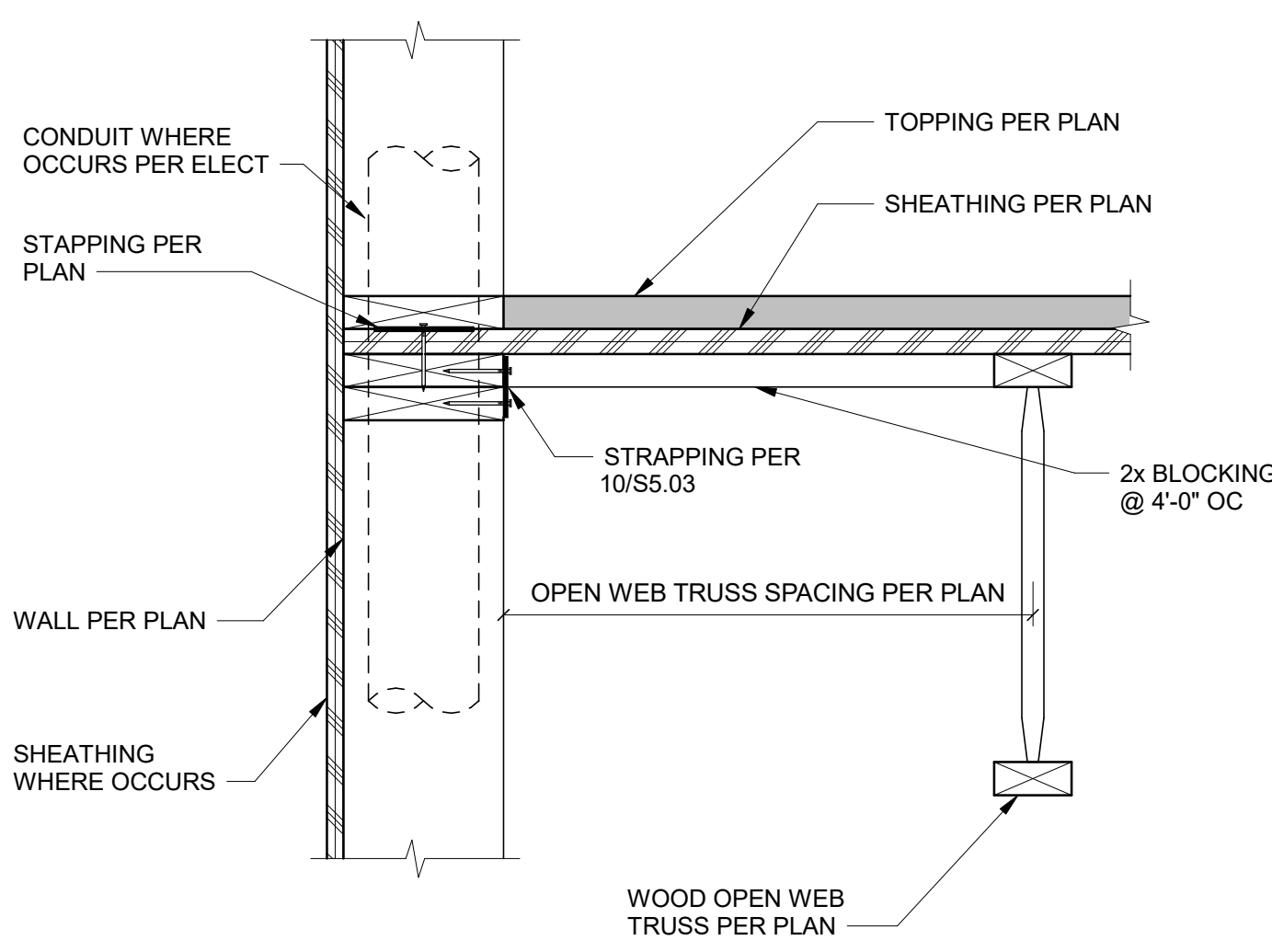
6 SECTION
NO SCALE



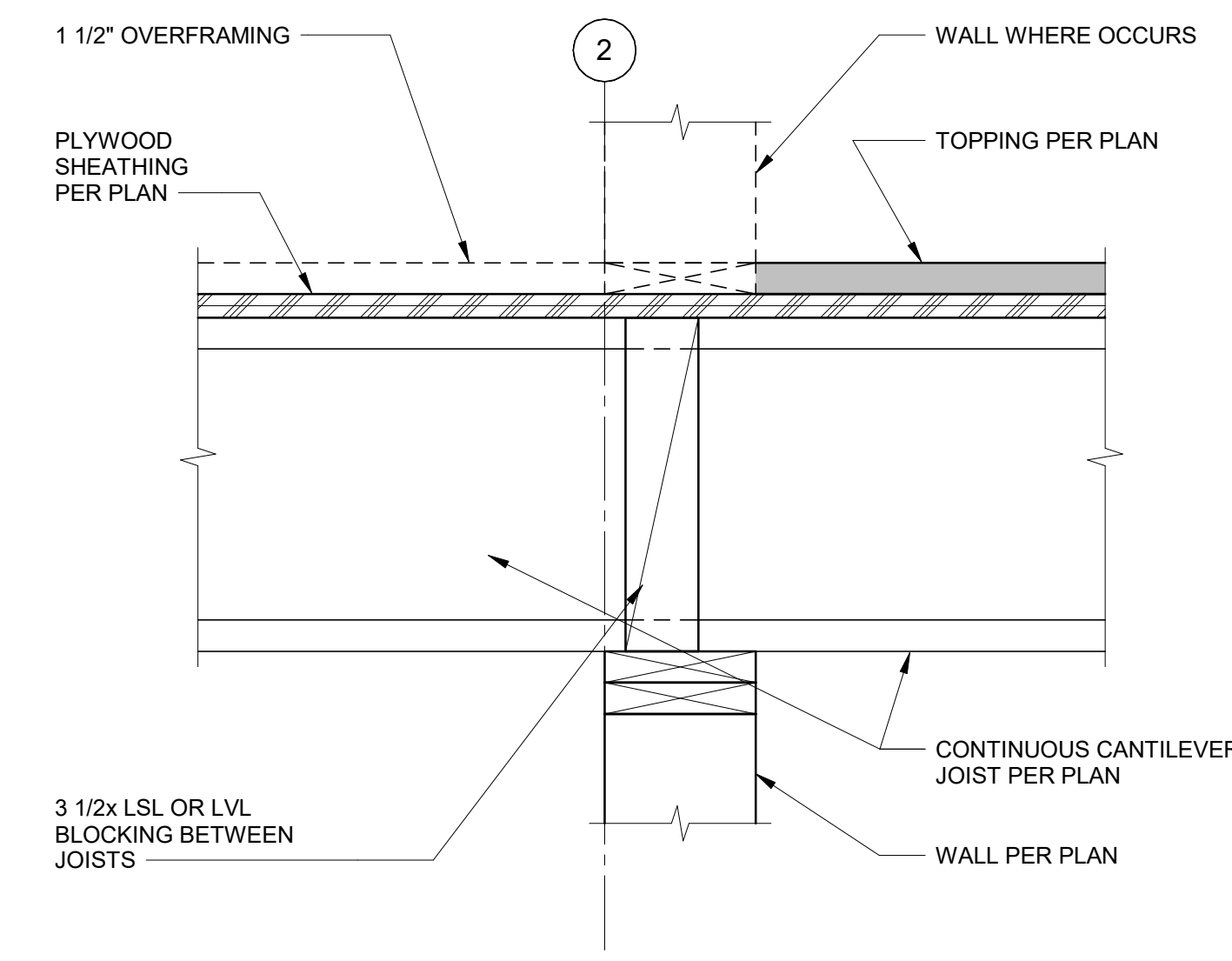
7 SECTION
NO SCALE



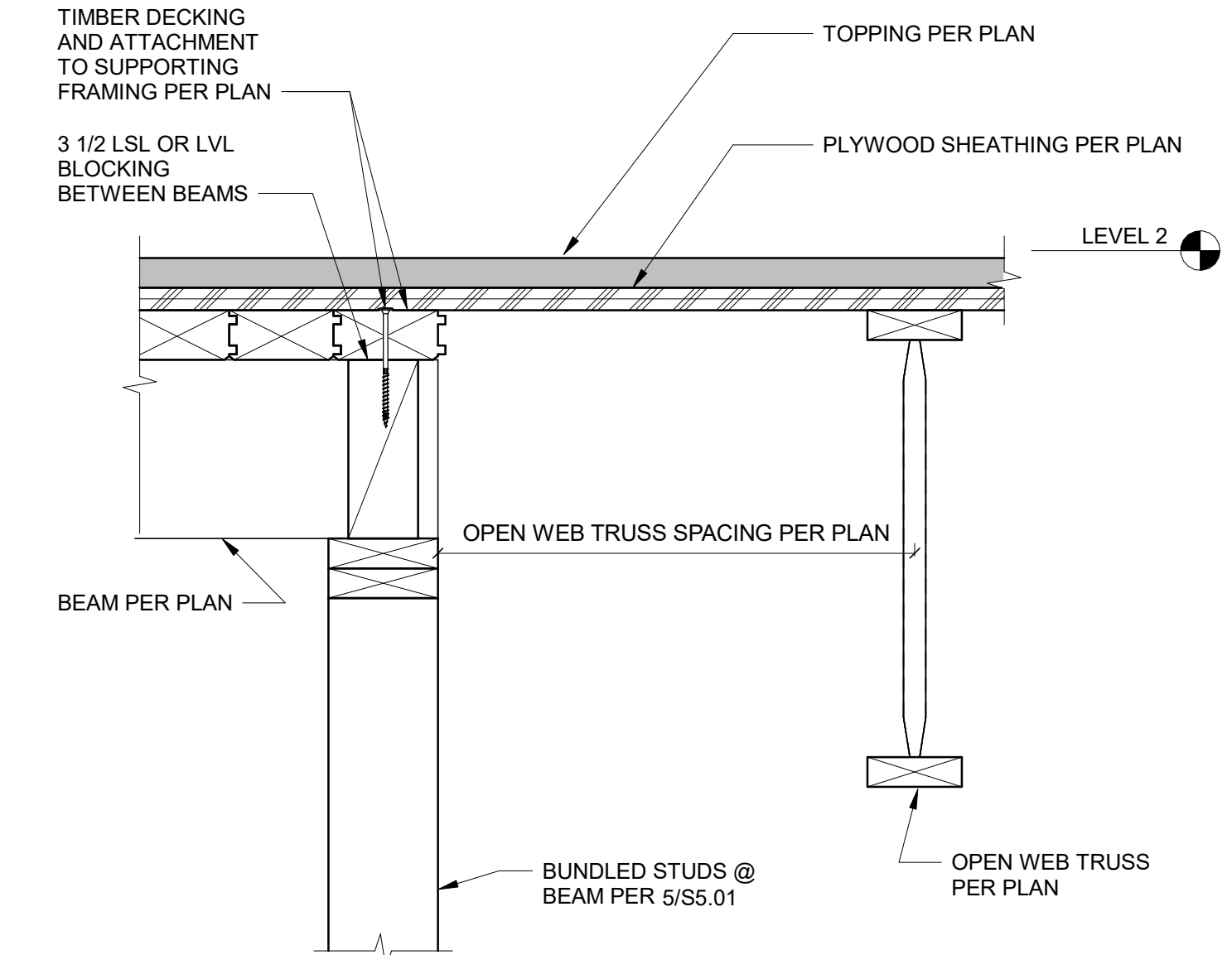
8 SECTION
1 1/2" = 1'-0"



10 SECTION AT DATA ROOM
NO SCALE



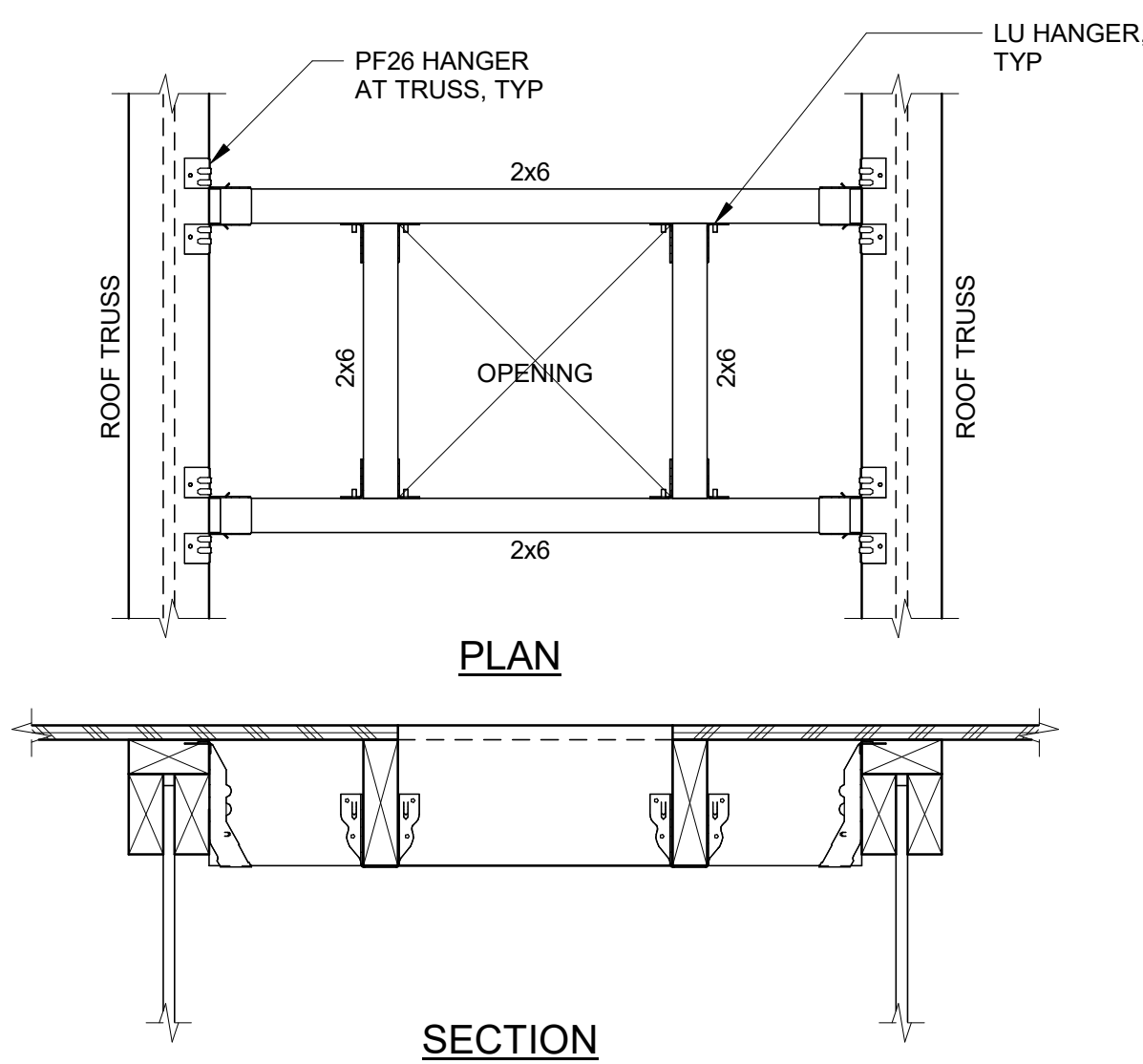
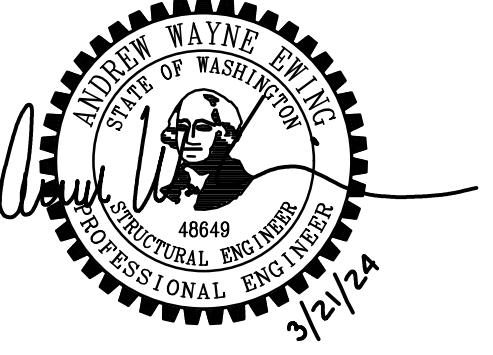
11 SECTION
1 1/2" = 1'-0"



12 SECTION
1 1/2" = 1'-0"

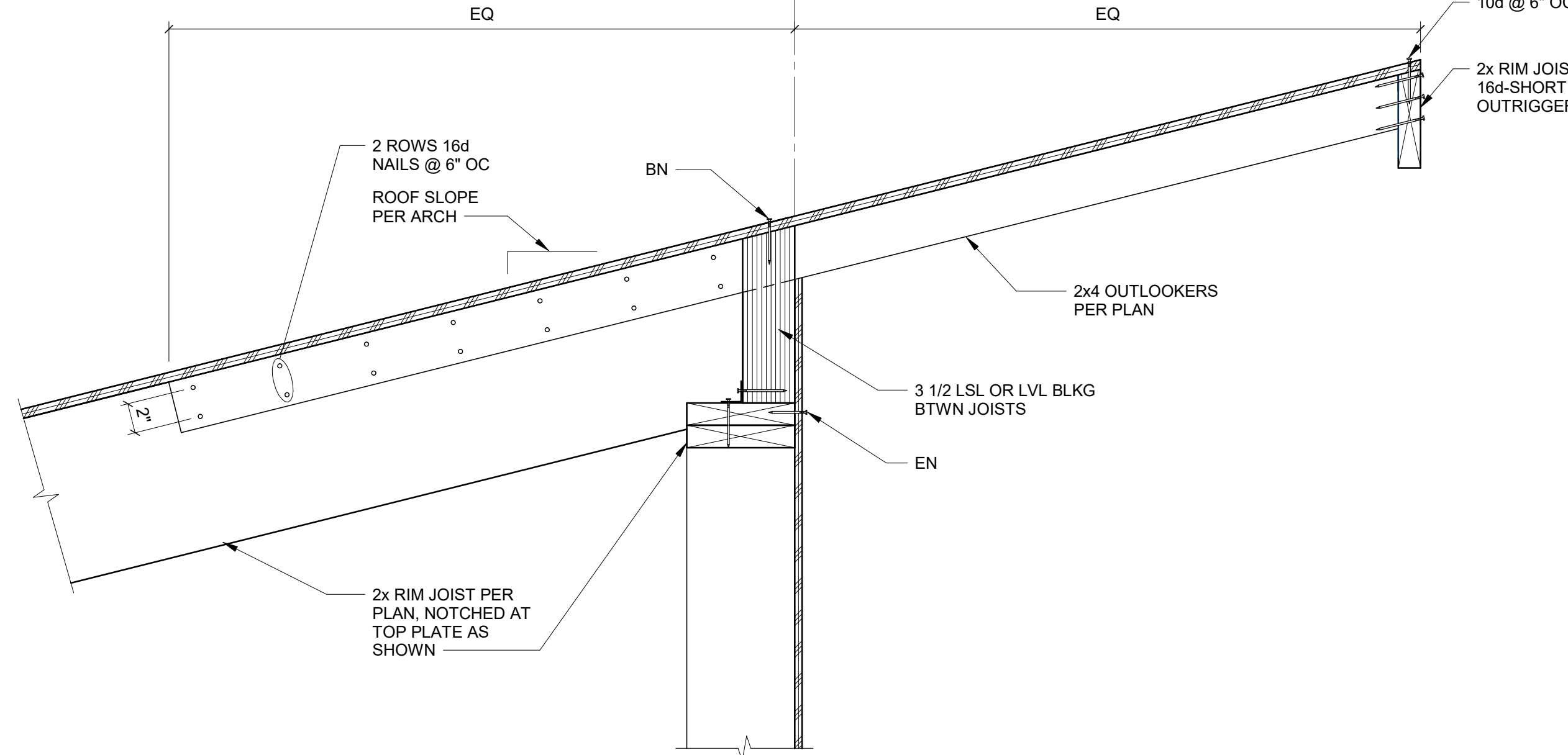
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PERMIT ISSUE	5/23/23
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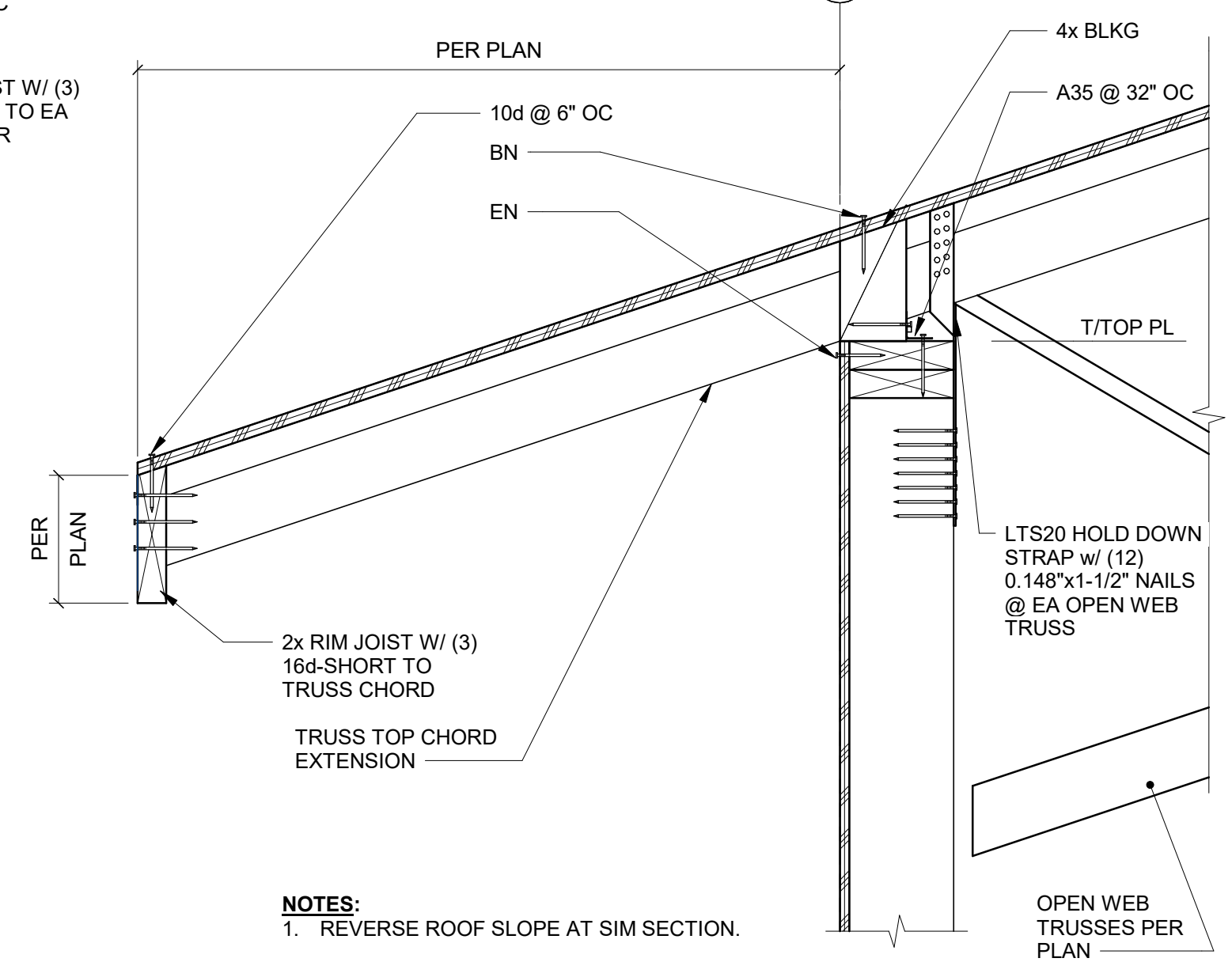


NOTES:
1. MAXIMUM OPENING SIZE TO BE 2'-0" SQUARE.

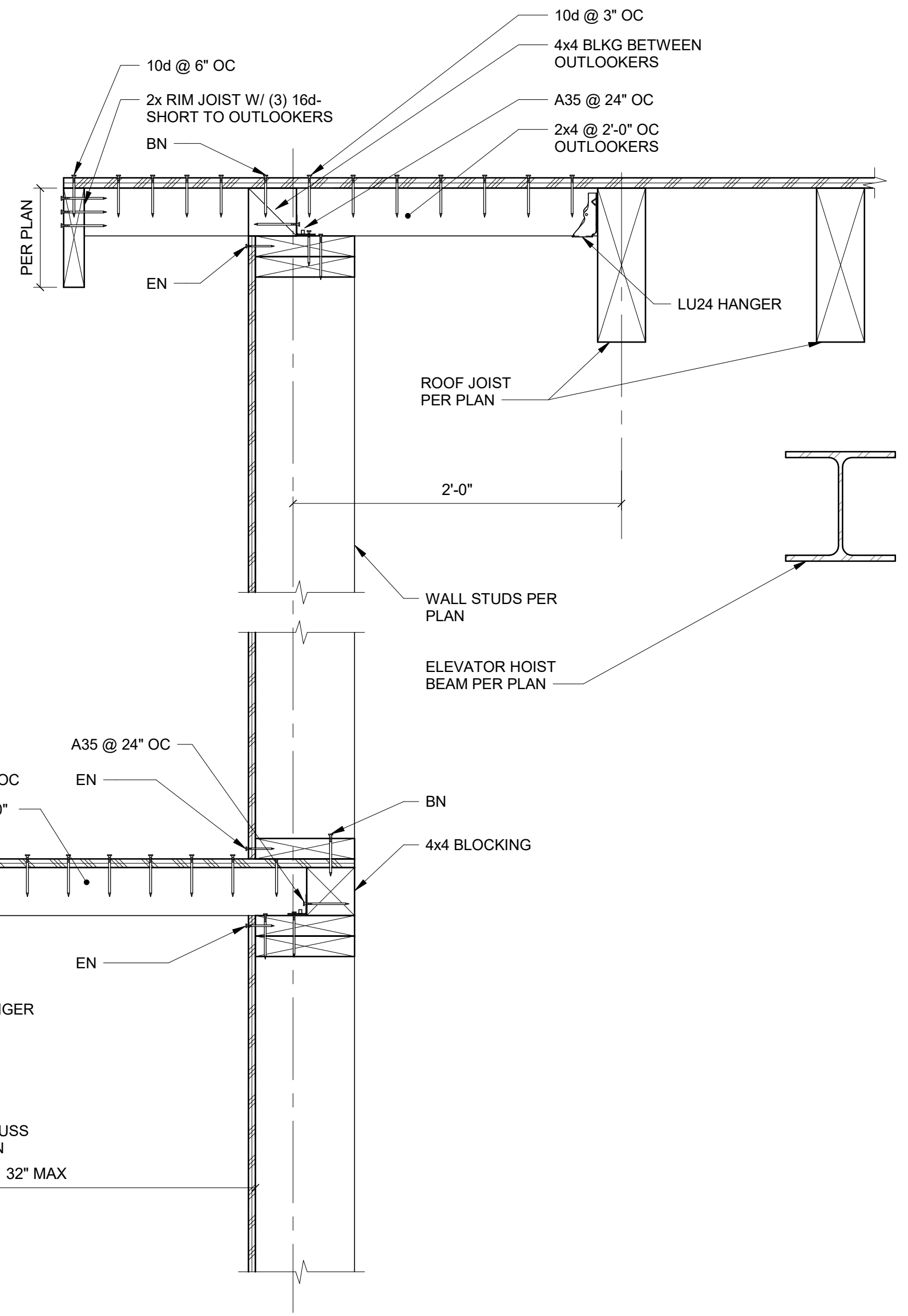
1 TYP ROOF OPENING FRAMING
1 1/2" = 1'-0"



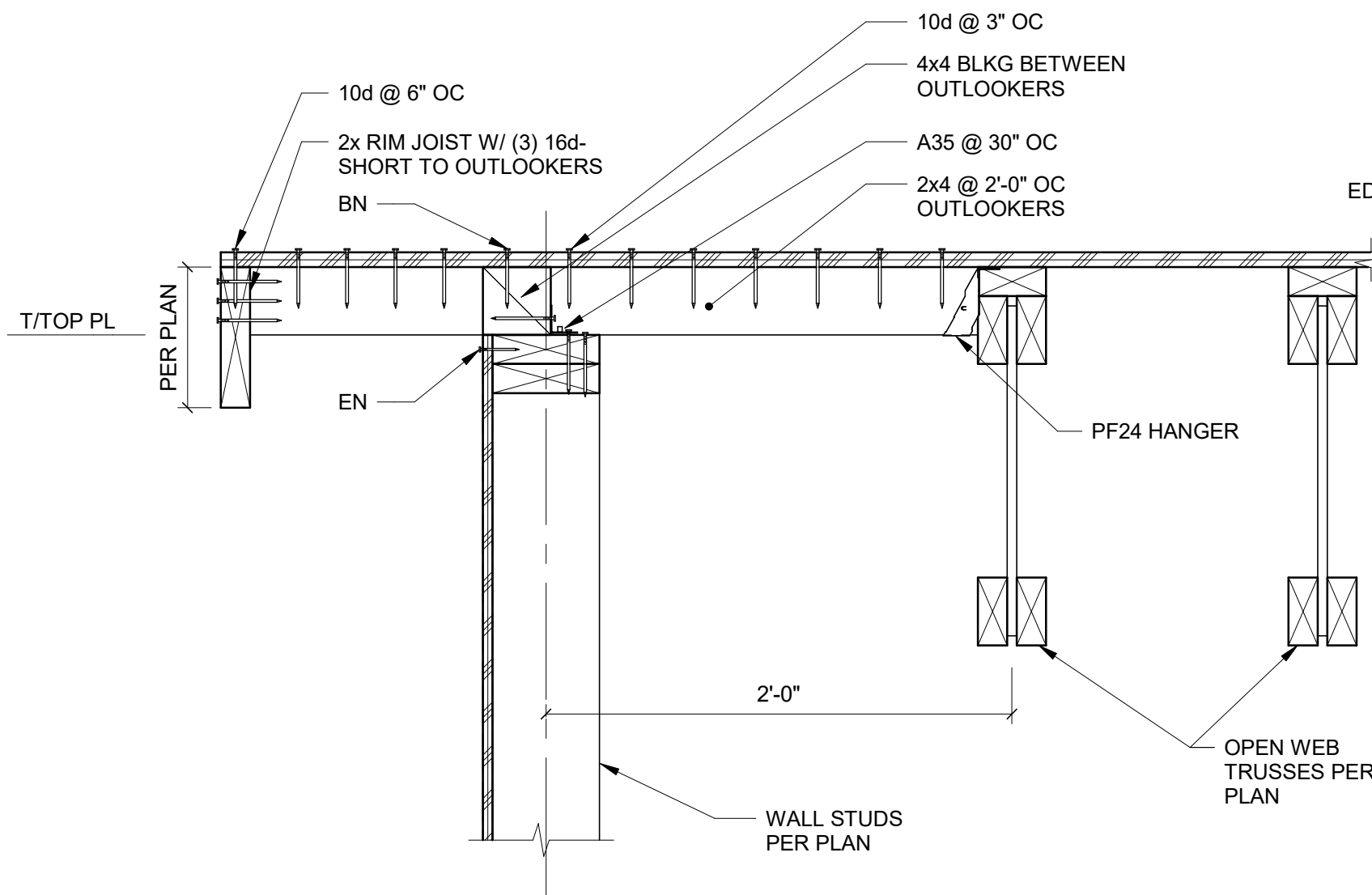
2 ELEVATOR ROOF SECTION
1 1/2" = 1'-0"



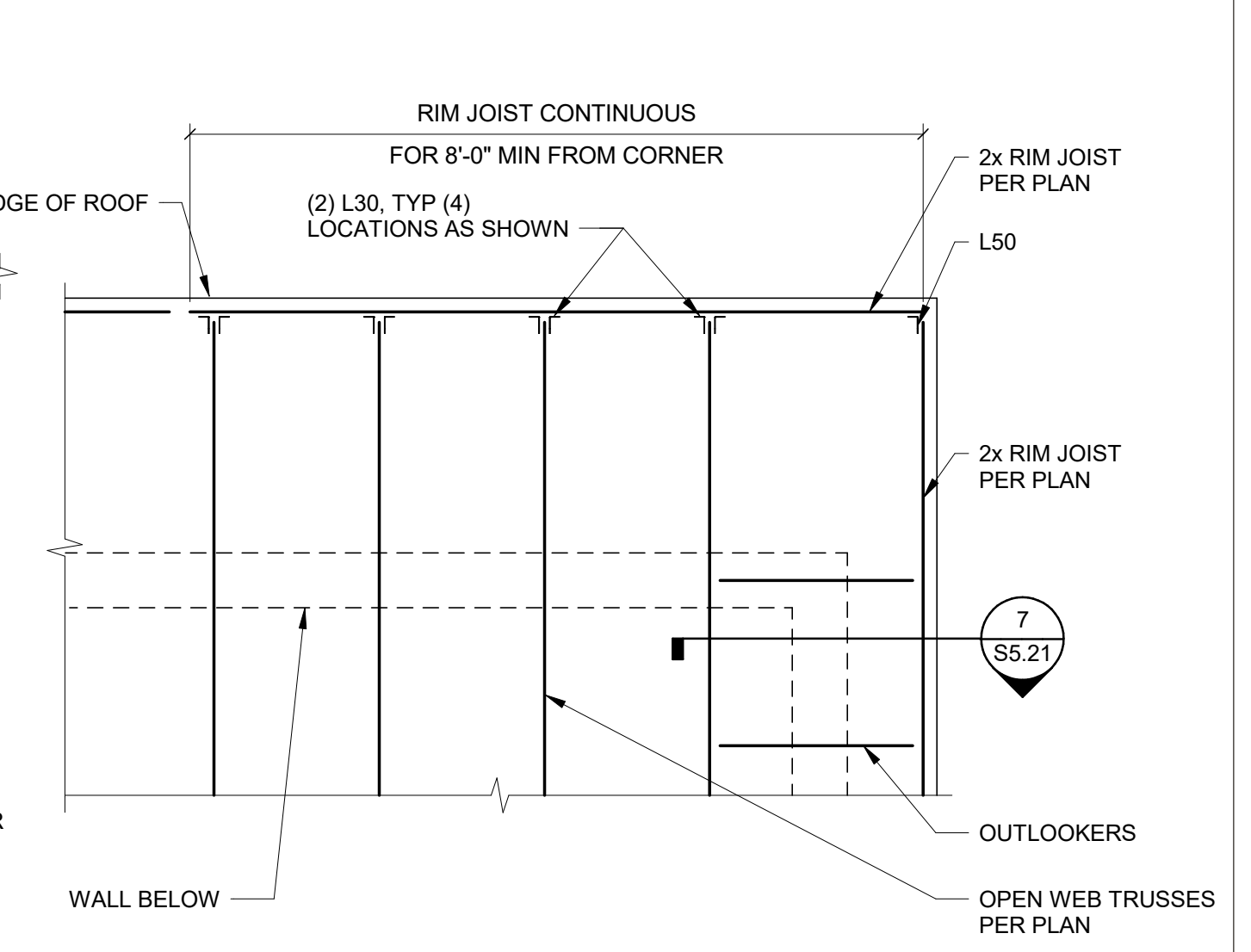
4 TYP TRUSS AT EAVE
1 1/2" = 1'-0"



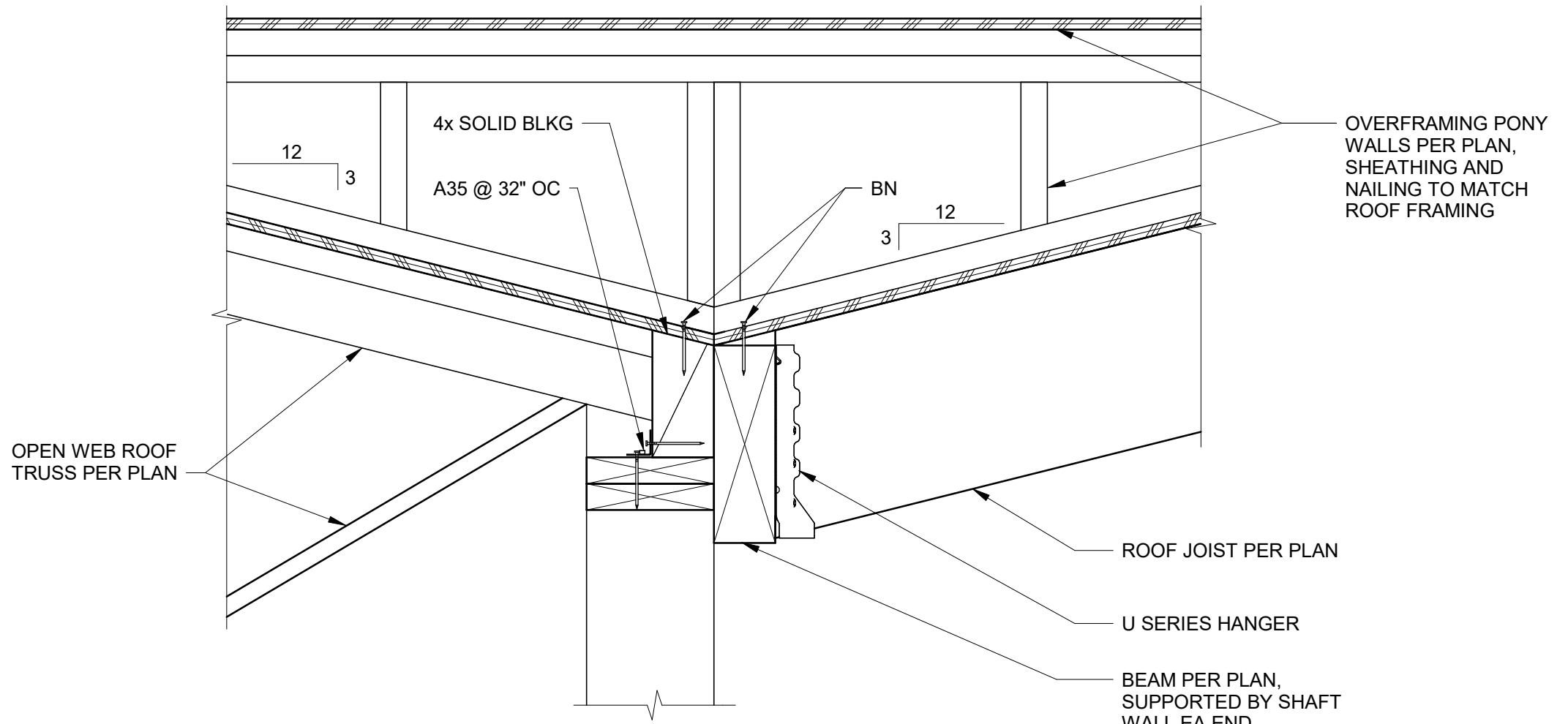
10 ELEVATOR ROOF SECTION
1 1/2" = 1'-0"



7 TYP OUTLOOKER AT END WALL
1 1/2" = 1'-0"

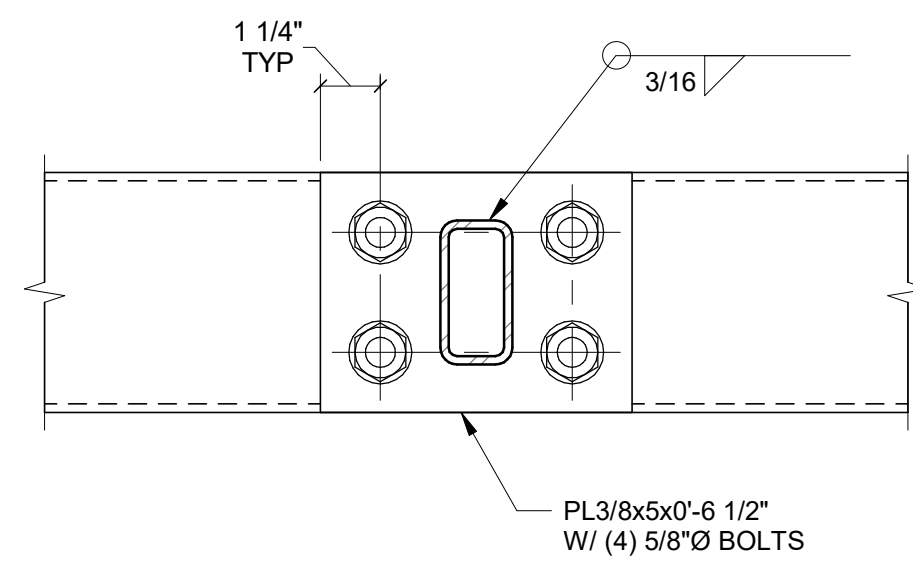


8 TYP ROOF FRAMING AT CORNER
NO SCALE

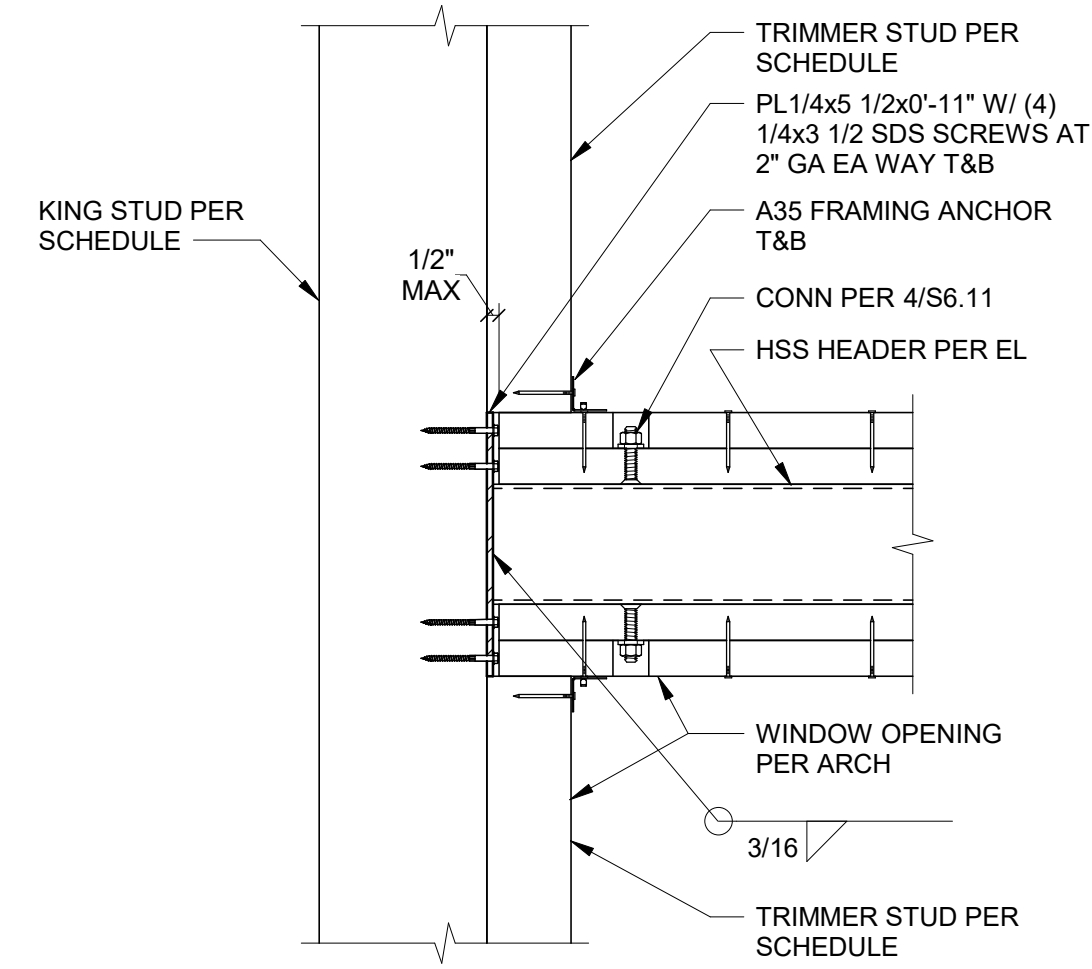


11 ELEVATOR ROOF SECTION
1 1/2" = 1'-0"

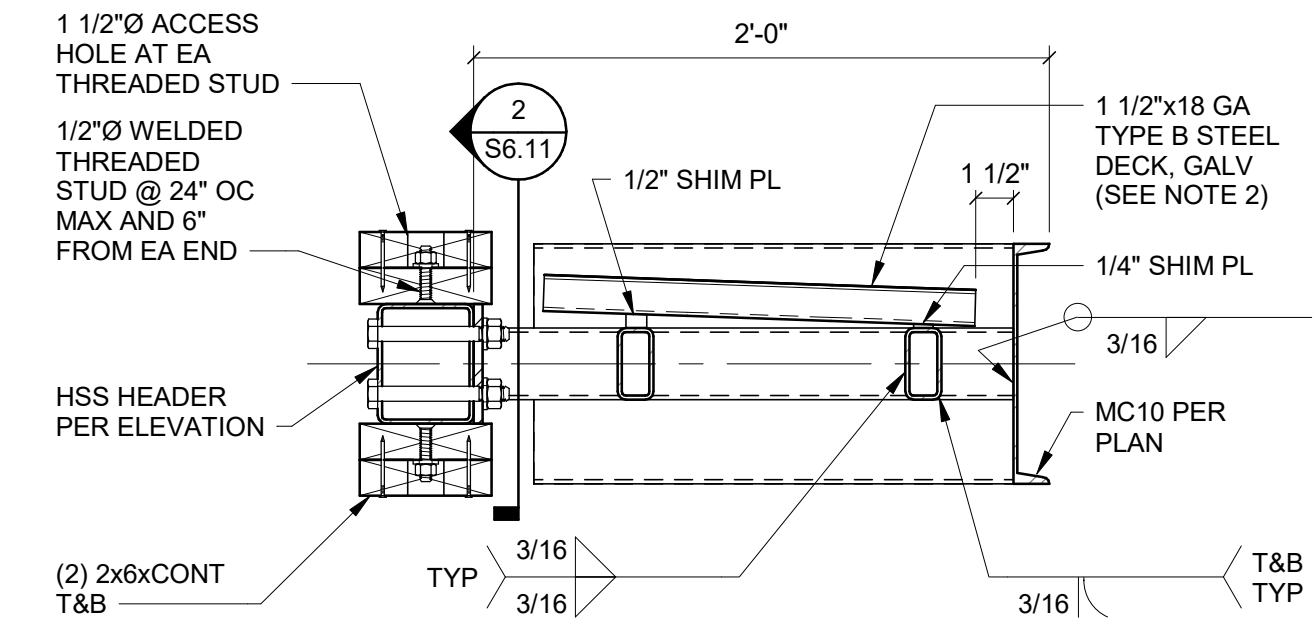
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2 SECTION
3" = 1'-0"

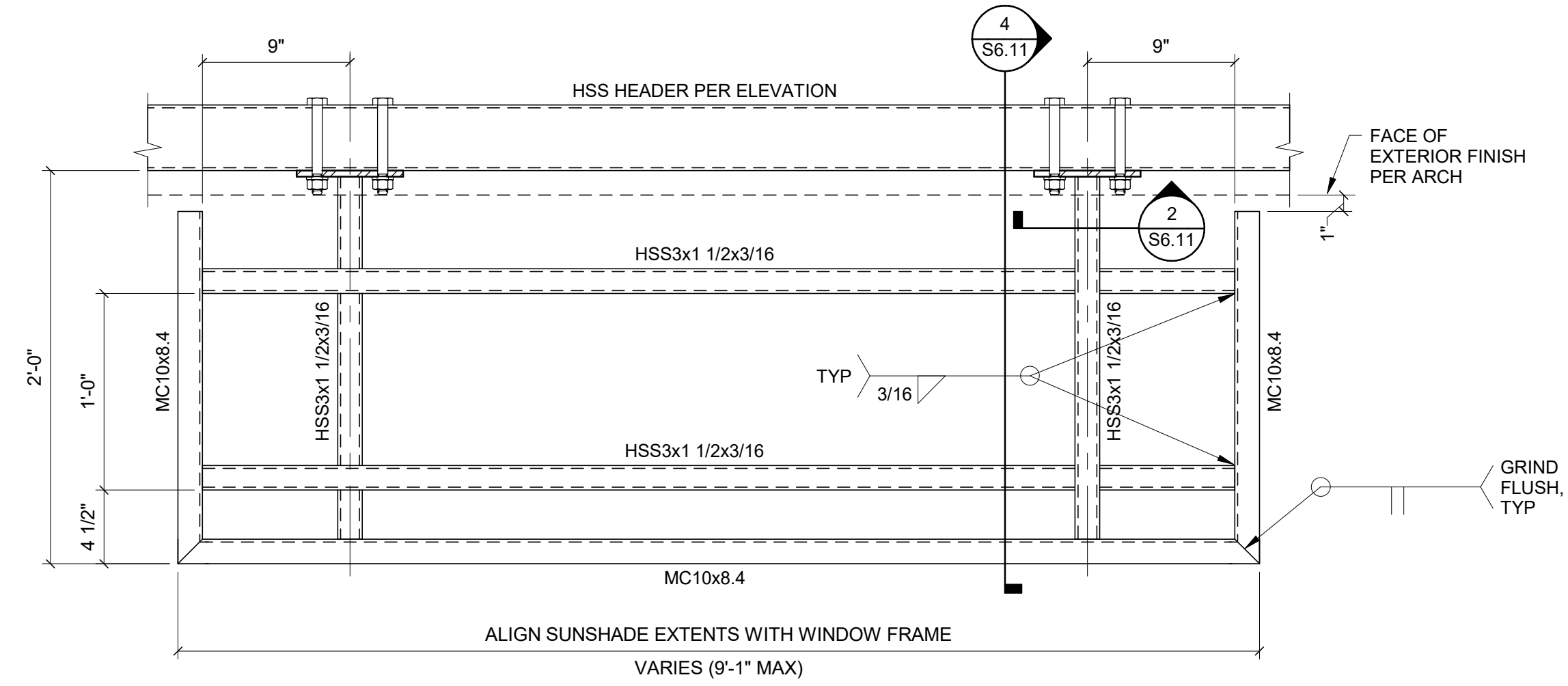


3 SUNSHADE HEADER CONNECTION
1 1/2" = 1'-0"

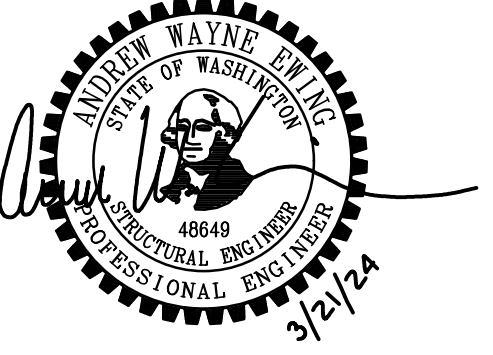


NOTES:
1. ATTACH SHIM PLATES TO SUPPORTING FRAMING WITH 3/16" FILLET WELDS 2-12" OC EACH SIDE.
2. ATTACH STEEL DECK TO SHIMS WITH #12-14x3/4" TEKS SCREWS @ 12" OC.

4 SECTION AT SUNSHADE
1 1/2" = 1'-0"



7 TYP SUNSHADE FRAMING PLAN
1 1/2" = 1'-0"



FAN SCHEDULE												
EQUIP. TAG	AREA SERVED	MFG / MODEL NUMBER	CFM	E.S.P. INCHES W.G.	FAN MOTOR			NOISE dBA SONES	DRIVE	CONFIGURATION	WEIGHT (LBS)	REMARKS
					HP/ WATTS	VOLTS	PH.					
EF-1	038 ELECT	GREENHECK / SP-A390-VG	180	0.8	51 W	120	1	5.5 S	DIRECT	CABINET	30	2, 3, 4, 5, 6, 7
EF-2	FUME HOOD	GREENHECK / USF-10-1-B3	600	0.5	1/4HP	230	1	55 DBA	DIRECT	UTILITY SET	100	1, 5, 8, 9
SF-1	036 LAB	GREENHECK / SQ-90-VG	600	0.3	1/10HP	230	1	52 DBA	DIRECT	INLINE	45	1, 2, 5, 6, 8

- NOTES: 1. FAN SHALL HAVE 120V MOTORIZED DAMPER WITH ACTUATOR. COORDINATE WITH ELECTRICAL
2. PROVIDE WITH SPEED CONTROL.
3. PROVIDE BACKDRAFT DAMPER
4. FAN EXHAUST SHALL BE INSTALLED TO SIDEWALL CAP.
5. DUCT CONNECTS TO FAN WITH APPROVED FLEXIBLE CONNECTORS.
6. MOUNT FAN IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS AND CLEARANCES.
7. PROVIDE TSTAT FOR FAN CONTROL. ON AT 85 DEGREES/OFF AT 80 DEGREES.
8. FAN TO BE INTERLOCKED WITH FUME HOOD
9. PROVIDE FAN WITH FIELD ROOF CURB

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF OUTDOOR UNIT SCHEDULE														
Tag Reference	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Efficiency IEER/IEER	Heating COP @ 47°F	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Sound Pressure (dBA)	Electrical-Per Module				Notes / Options
										208/230				
										Voltage / Phase	MCA 208/230	RFS	MOCP	
CU-1	PURY-P168TNU-A-BS	P168	168,000.0	188,000.0	23.55 / 10.8	3.55	172,017.0	128,934.4	62.5/66.5	208/230V / 3-phase 3-wire	61/57	70/70	100/90	1, 2, 3, 4, 5

- Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 Efficiency values for IEER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF INDOOR UNIT SCHEDULE																		
Room Name	Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Capacity (BTU/h)	Estimated Cooling Coil LAT (°F)	Estimated Heating Coil LAT (°F)	Refrig Pipe Dim Liquid/Suction (inch)	Fan Speed Setting	Peak Fan Airflow (cfm)	Sound Pressure Per Fan Speed 208V/230V (dBA)	Voltage / Phase	Power Cooling 208V/230V (kW)	Electrical MCA/MFS	Notes / Options
032 LOBBY	FCU-1	PKFY-P15NLMU-E.TH	Wall-Mounted	15,000.0	17,000.0	12,648.3	9,260.5	9,588.3	50.5	95.2	1/4 / 1/2	HIGH	353	29-34-37-40	208/230V/1-phase	0.04	0.24/0.24/15	1, 2, 3, 4, 5, 6
034 BILLING OFFICE	FCU-2	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	4,216.1	4,163.2	3,158.5	61.1	80.5	1/4 / 1/2	HIGH	280	26-28-30	208/230V/1-phase	0.02	0.24/0.24/15	1, 2, 3, 4, 5, 6
033 BREAKROOM	FCU-3	PLFY-P08NFMU-E	Ceiling-Cassette (Four-Way)	8,000.0	9,000.0	6,745.8	5,878.7	5,076.2	57.5	84.9	1/4 / 1/2	HIGH	315	26-30-33	208/230V/1-phase	0.02	0.28/0.28/15	1, 2, 3, 4, 5, 6
036 LABORATORY	FCU-4	PLFY-P15NFMU-E	Ceiling-Cassette (Four-Way)	15,000.0	17,000.0	12,648.3	9,259.1	9,588.3	52.8	92.8	1/4 / 1/2	HIGH	390	28-33-39	208/230V/1-phase	0.03	0.35/0.35/15	1, 2, 3, 4, 5, 6
036 LABORATORY	FCU-5	PLFY-P15NFMU-E	Ceiling-Cassette (Four-Way)	15,000.0	17,000.0	12,648.3	9,259.1	9,588.3	52.8	92.8	1/4 / 1/2	HIGH	390	28-33-39	208/230V/1-phase	0.03	0.35/0.35/15	1, 2, 3, 4, 5, 6
037 OFFICE	FCU-6	PKFY-P04NLMU-E.TH	Wall-Mounted	4,000.0	4,500.0	3,372.9	2,734.9	2,538.1	57.7	85.9	1/4 / 1/2	HIGH	148	22-24-26-28	208/230V/1-phase	0.02	0.24/0.24/15	1, 2, 3, 4, 5, 6
042 CORRIDOR	FCU-7	PKFY-P04NLMU-E.TH	Wall-Mounted	4,000.0	4,500.0	3,372.9	2,734.9	2,538.1	57.7	85.9	1/4 / 1/2	HIGH	148	22-24-26-28	208/230V/1-phase	0.02	0.24/0.24/15	1, 2, 3, 4, 5, 6
044 OFFICE	FCU-11	PKFY-P18NLMU-E.TH	Wall-Mounted	18,000.0	20,000.0	15,178.0	11,359.2	11,280.3	50.7	93.9	1/4 / 1/2	HIGH	438	31-36-41-46	208/230V/1-phase	0.05	0.24/0.24/15	1, 2, 3, 4, 5, 6
046 OFFICE	FCU-10	PKFY-P18NLMU-E.TH	Wall-Mounted	18,000.0	20,000.0	15,178.0	11,359.2	11,280.3	50.7	93.9	1/4 / 1/2	HIGH	438	31-36-41-46	208/230V/1-phase	0.05	0.24/0.24/15	1, 2, 3, 4, 5, 6
047 OFFICE	FCU-9	PKFY-P18NLMU-E.TH	Wall-Mounted	18,000.0	20,000.0	15,178.0	11,359.2	11,280.3	50.7	93.9	1/4 / 1/2	HIGH	438	31-36-41-46	208/230V/1-phase	0.05	0.24/0.24/15	1, 2, 3, 4, 5, 6
048 CONF	FCU-8	PKFY-P30NKMU-E2.TH	Wall-Mounted	30,000.0	34,000.0	25,296.6	20,824.8	19,176.6	53.8	89.4	3/8 / 5/8	HIGH	818	43-49	208/230V/1-phase	0.07	0.63(208V)/0.63(230V)/15	1, 2, 3, 4, 5, 6
045 OFFICE	FCU-12	PKFY-P18NLMU-E.TH	Wall-Mounted	18,000.0	20,000.0	15,178.0	11,359.2	11,280.3	50.7	93.9	1/4 / 1/2	HIGH	438	31-36-41-46	208/230V/1-phase	0.05	0.24/0.24/15	1, 2, 3, 4, 5, 6
043 OPEN OFFICE	FCU-13	PEFY-P36NMAU-E4	Ceiling-Concealed (Ducted)	36,000.0	40,000.0	30,355.9	26,858.3	22,560.7	55.2	86.5	3/8 / 5/8	HIGH	1271	35-39-43	208/230V/1-phase	0.222	4.25/15	1, 2, 3, 4, 5, 6

- Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and
5 Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system.
Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply.
It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.
6 It is recommended to always base heating corrected capacity on full demand.

ELECTRIC DUCT HEATER SCHEDULE								
TAG	LOCATION	MFG / MODEL	KW	SIZE	PRESSURE DROP (IN. W.C.)	ELECTRICAL		REMARKS
DH-1	DOAS-1	TUTCO EDH	3	10"x 10"	0.025	240	3	1, 2, 3
DH-2	DOAS-2	TUTCO EDH	3	10"x 10"	0.025	240	3	1, 2, 3
DH-3	SF-1	TUTCO EDH	6	12"x 10"	0.025	240	3	1, 2, 4

- NOTES: 1. PROVIDE SCR CONTROL AND DUCT MOUNTED DISCHARGE AIR TEMPERATURE (DAT) SENSOR.
2. PROVIDE BUILT-IN DISCONNECT SWITCH
3. INSTALL DOWNSTREAM OF DOAS, DAT SET POINT 65°F (ADJUSTABLE).
4. INSTALL DOWNSTREAM OF FAN, DAT SET POINT 60°F (ADJUSTABLE).

ELECTRIC HEATER SCHEDULE							
EQUIP. TAG	LOCATION	MFG/MODEL #	WATTS	ORIENTATION	CONTROL OPTION	ELECTRICAL V/PH	REMARKS
EH-1	041 RR	KING/PAW1215	250	WALL MOUNT	REMOTE TSTAT	120/1	1, 2
EH-2	040 RR	KING/PAW1215	250	WALL MOUNT	REMOTE TSTAT	120/1	1, 2
EH-3	054 FIRE ROOM	KING/PAW1215	250	WALL MOUNT	INTEGRAL TSTAT	120/1	1
EH-4	PUMP ROOM	KING/PAW1215	500	WALL MOUNT	INTEGRAL TSTAT	120/1	1
UH-1	029 STORAGE	KING/KB2405-1-T-B1	5000	WALL MOUNT	REMOTE TSTAT	240/1	1, 2, 3

- NOTES: 1. COORDINATE LOCATION OF UNIT WITH ARCHITECTURAL FEATURES AND ALL OTHER TRADES
2. PROVIDE WALL MOUNTED TSTAT.
3. LINE VOLTAGE THERMOSTAT

DUCTLESS SPLIT SYSTEM HEAT PUMP																						
EQUIP. TAG	AREA SERVED	MFG / MODEL NUMBER	OUTDOOR CONDENSING UNIT								INDOOR AIR HANDLER											
			NOMINAL TON	COOL CAP. MBH TOTAL	WEIGHT LBS	NOISE DBA	HEAT CAP. MBH	HSPF	SEER	MCA	ELEC. REQ. VOLTS	PH.	EQUIP. TAG	MFG / MODEL NUMBER	AIRFLOW CFM	ESP IN W.G.	ELEC. REQ. MCA	VOLTS	PH.	WEIGHT LBS	REMARKS	
CU-2	ELEC/TELE ROOM	MITSUBISHI/PUZ-A24NH7-BS	2.0	24.0	10.0 - 24.0	155	50	28	11	21.4	19.0	208/230	1	HP-1	MITSUBISHI/PA-A24KA7	635 - 775	0.10	1.0	208/230	1	53	ALL
CU-3	ELEVATOR EQUIP. ROOM	MITSUBISHI/PUZ-A24NH7-BS	2.0	24.0	10.0 - 24.0	155	50	28	11	21.4	19.0	208/230	1	HP-2	MITSUBISHI/PA-A24KA7	635 - 775	0.10	1.0	208/230	1	53	ALL

- NOTES: 1. PROVIDE WIRELESS REMOTE CONTROLLER
2. INSTALL UNIT 72" AFF
3. PROVIDE OPTIONAL AIR OUTLET GUIDES
4. INDOOR UNIT POWER WIRING FROM OUTDOOR UNIT.
5. PROVIDE GOBI UNDERMOUNT CONDENSATE PUMP. PUMP TO NEAREST SINK TAIL PIECE.
6. NO ECONOMIZER PROVIDED PER 2018 WSEC C403.3 EXCEPTION 11.
7. PROVIDE SEACOAST SPRAY ON OUTDOOR CONDENSING UNIT

LOSSNAY ENERGY RECOVERY VENTILATOR SCHEDULE											
Lossnay Tag	Model Number	Interlocked or Stand Alone	Core Type	Nominal Airflow (cfm)	Max ESP (INWG)	Nominal Recovery Effectiveness (Extra High Fan Speed)			Voltage / Phase	MCA / MOCP	Notes / Options
						Temperature Recovery	Enthalpy Cooling	Enthalpy Heating			
DOAS-1	LGH-F380RVX2-E	Stand-Alone	Fixed Permeable Cross Plate	380	0.86	65.0%	49.0%	61.0%	208-230V/1-phase	/15	1, 2, 3
DOAS-2	LGH-F300RVX2-E	Stand-Alone	Fixed Permeable Cross Plate	300	1.00	65.5%	50.0%	63.0%	208-230V/1-phase	/15	1, 2, 3

- Notes & Options:
1 Max external static pressure is at airflow listed with fan set on extra high speed.
2 See schematic piping/control diagram for indication of required lossnay local remote controller (stand alone operation) and M-NET connection points of associated systems.
3 Washable factory standard pre-filter on return and O/A intake side of cross plate core.

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER											
System Tag	Tag Reference	M-NET Address	Model Number	Type (double / Main / Sub)	Number of Ports	Connected Capacity to BC	Voltage / Phase	Power Cooling 208V/230V (kW)	MCA 208/230	Notes / Options	
System 1	BC-1	52	CMB-P1016NU-JA1	Main	16	204,000.0	208/230V/1-phase	0.258/0.333		1, 2	

- Notes & Options:
1 Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.
2 For sub BC controller CMB-P-NU-GB1 or -GB, the total connectable indoor unit capacity can be 126,000 BTUs or less. If two sub BC controllers are used, the total indoor unit capacity connected to BOTH sub BC controllers also cannot exceed 126,000 BTUs. For sub BC controller CMB-P1016NU-HB1 the total connectable indoor unit capacity can be 126,000 BTUs or less. However, if two sub controllers are used, and one of them is CMB-1016NU-HB1, the total indoor unit capacity connected to BOTH sub controllers must NOT exceed 168,000 BTUs.



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3015 MISSION BEACH ROAD
TULALIP, WA 98271

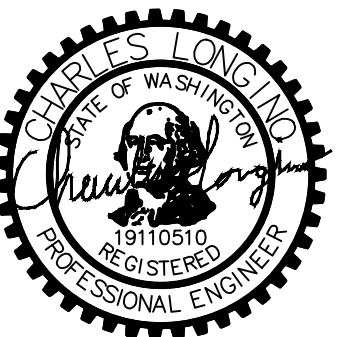


ISSUE LIST

NO.	DESCRIPTION	DATE
1	BID ISSUE	03/27/2024

PROJECT NO.: 0070800.01
PROJECT MGR.: M. AZEEM
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CHECKED BY:

SCHEDULES
M1.2



NO.	DESCRIPTION

PROJECT NO.: 0070800.01
PROJECT MGR.: M. AZEEM
DRAWN BY:
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VENTILATION SCHEDULE

SYSTEM	ROOM NO./NAME	AREA SF	# PEOPLE	CFM/ PERSON	CFM/ SF	MIN. OSA CFM REQUIRED EZ=1.0	MIN. OSA CFM PROVIDED	EXHAUST CFM REQUIRED	EXHAUST CFM PROVIDED	REMARKS
DOAS-1	LOBBY 032	182	4	5	0.06	31	40			
DOAS-1	BILLING OFFICE 034	151	2	5	0.06	19	25			
DOAS-1	BREAKROOM 033	218	6	6	0.06	49	55			
DOAS-1	STORAGE 106	66	0	0	0	0	40			
DOAS-1	JANITOR CLOSET 035	95	0	0	0	0	0	95	100	
DOAS-1	LAB 036	688	4	10	0.18	164	175			
DOAS-1	CORRIDOR 042	268	0	0	0.06	16	20			
DOAS-1	MEN'S LOCKER RM 041	98	0	0	0	0	0	70	140	
DOAS-1	WOMEN'S LOCKER RM 040	98	0	0	0	0	0	70	140	
DOAS-1	OFFICE 037	161	2	5	0.06	20	25			
		2025				299	380	235	380	

SYSTEM	ROOM NO./NAME	AREA SF	# PEOPLE	CFM/ PERSON	CFM/ SF	MIN. OSA CFM REQUIRED EZ=1.0	MIN. OSA CFM PROVIDED	EXHAUST CFM REQUIRED	EXHAUST CFM PROVIDED	REMARKS
DOAS-2	OPEN OFFICE 043	1621	12	5	0.06	157	160	0	160	
DOAS-2	PRIVATE OFFICE 044	129	1	5	0.06	13	20	0	0	
DOAS-2	PRIVATE OFFICE 045	171	1	5	0.06	15	20	0	0	
DOAS-2	PRIVATE OFFICE 046	129	1	5	0.06	13	20	0	0	
DOAS-2	PRIVATE OFFICE 047	129	1	5	0.06	13	20	0	0	
DOAS-2	CONF ROOM 048	286	8	5	0.06	57	60	0	0	
DOAS-2	MEN'S RR 049	67	0	0	0	0	0	50	70	
DOAS-2	WOMEN'S RR 050	56	0	0	0	0	0	50	70	
		2588				268	300	100	300	

KITCHEN EXHAUST HOOD SCHEDULE

EQUIP. TAG	MFG / MODEL NUMBER	SIZE L X W	MAX EXHAUST CFM	HOOD CONSTRUCTION	ELECTRICAL		WEIGHT LBS.	REMARKS
					VOLT	AMP		
H-1	GE / JVX53600JBB	36"x20"	310	STAINLESS STEEL	120	3	40	ALL

- NOTES:
- RESIDENTIAL TYPE HOOD AND EXHAUST DUCT
 - HOOD EXHAUST AIRFLOW IS BELOW 400 CFM AND WILL BE USED INTERMITTANTLY. NO MAKE UP AIR IS REQUIRED PER IMC SECTION 505.2.
 - INSTALL DUCT UP TO ROOF CAP

AIR TERMINAL DEVICE SCHEDULE

ITEM	MARK	MANUFACTURER	MODEL	MATERIAL	MOUNTING	FINISH	REMARKS
CEILING DIFFUSER	CDS	TITUS	MCD	STEEL	SURFACE	ENAMELED	BORDER TYPE 1
CEILING GRILLE	CGS	TITUS	50F	ALUMINUM	SURFACE	ENAMELED	BORDER TYPE 1
WALL REGISTER	L or HWR	TITUS	300RLHD	STEEL	SURFACE	ENAMELED	DBL. DEFL. / VERT FRONT
WALL GRILLE	L or HWG	TITUS	355RL	STEEL	SURFACE	ENAMELED	40 DEGREE FIXED BLADES
CEILING DIFFUSER	CDL	TITUS	MCD	STEEL	LAY-IN	ENAMELED	BORDER TYPE 3
CEILING GRILLE	CGL	TITUS	50F	ALUMINUM	LAY-IN	ENAMELED	BORDER TYPE 3

NOTE: NECK CONNECTION SIZE AND TERMINAL SIZE AS NOTED ON MECHANICAL FLOOR PLAN

LOUVER SCHEDULE

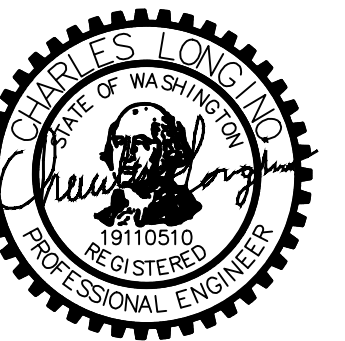
EQUIP. TAG	MFG / MODEL NUMBER	TYPE	SERVICE	TYPE	AIR FLOW CFM	FREE AREA FT / MIN.	DIMENSION W X H IN. X IN.	NET FREE AREA REQUIRED SQ. FT.	PRESS. DROP IN. W.G.	NOTES
L-1	GREENHECK ESD-635	STATIONARY	DOAS-1 & SF-1	INTAKE	980	800	26X18	1.20	0.10	1, 2
L-2	GREENHECK ESD-635	STATIONARY	DOAS-2	INTAKE	300	592	18X14	0.47	0.05	1, 2
L-3	GREENHECK ESD-635	STATIONARY	ELECTRICAL ROOM EF-1	INTAKE	180	747	14X12	0.24	0.08	1, 2

- NOTES:
- PROVIDE BAROMETRIC RELIEF DAMPER SAME SIZE AS LOUVER.
 - PROVIDE BIRD SCREEN

ROOF EXHAUST HOOD SCHEDULE

EQUIP. TAG	MFG / MODEL NUMBER	TYPE	SERVICE	TYPE	AIR FLOW CFM	SP (IN. WG.)	THROAT DIMENSIONS W" x L"	WEIGHT LBS.	REMARKS
REH-1	GREENHECK / QRSR-8	ROOF	DOAS 2 EXH	RELIEF	300	0.068	8"X8"	40	1, 2, 3
REH-2	BROAN 634	ROOF	RANGE EXH	RELIEF	310	0.1	10"X10"	20	3, 4

- NOTES:
- PROVIDE WITH GREENHECK SLOPED ROOF CURB
 - PROVIDE BIRD SCREEN
 - PROVIDE WITH BAROMETRIC RELIEF DAMPER



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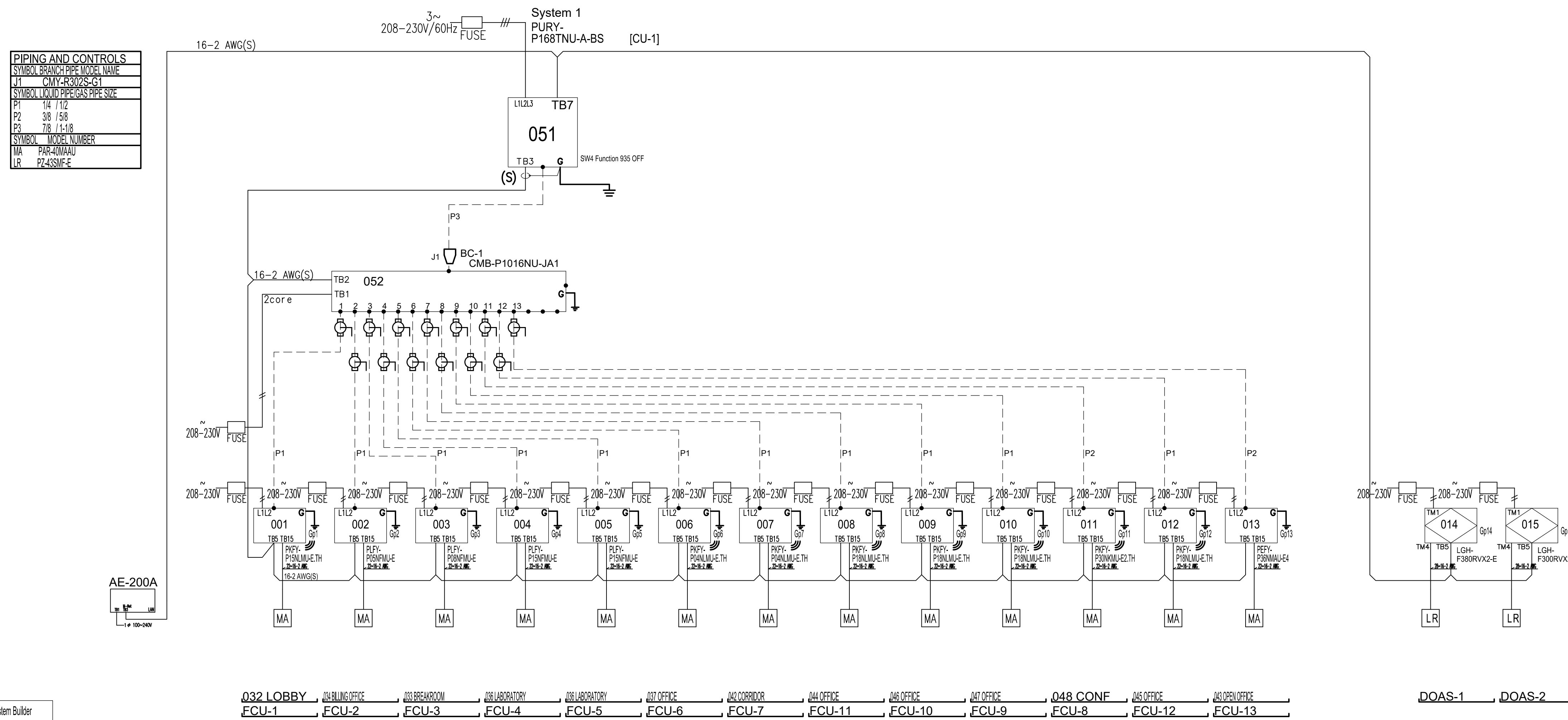
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This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm³(16 AWG) : 1.25mm³(16 AWG) or more. 0.75mm³(20 AWG) : between 0.5mm³(24 AWG) and 0.75mm³(20 AWG).

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

PIPING AND CONTROLS	
SYMBOL BRANCH PIPE MODEL NAME	
J1 CMY-R302S-G1	
SYMBOL LIQUID PIPE/GAS PIPE SIZE	
P1 1/4" 7/12	
P2 3/8" 7/50	
P3 7/8" 11/8	
SYMBOL MODEL NUMBER	
MA PAR-40MAU	
LR PZ-4SSMF-E	

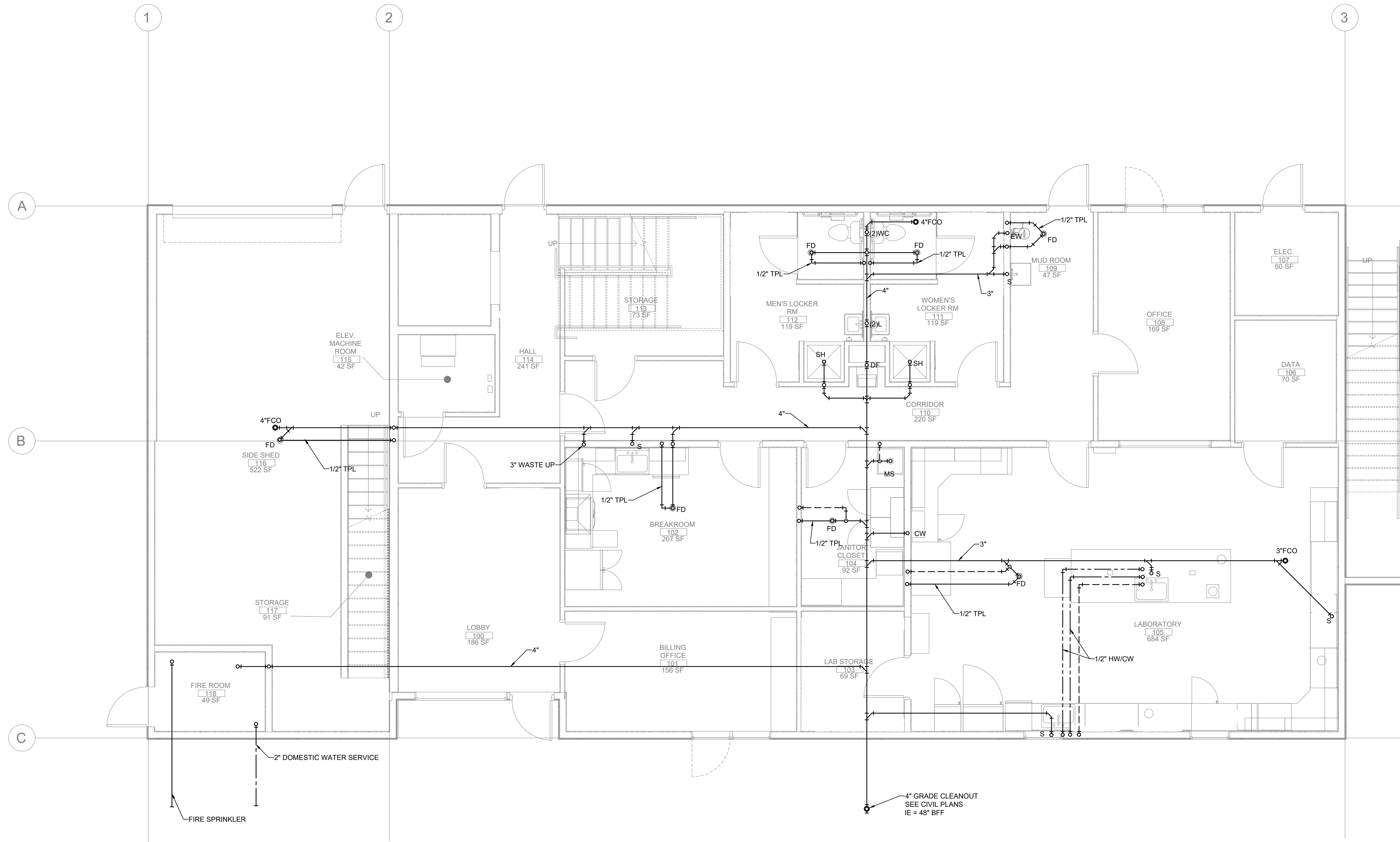
CITY MULTI
SYSTEM SCHEMATIC DWG.



Diamond System Builder
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db: 4.4.1.12
6/16/2022
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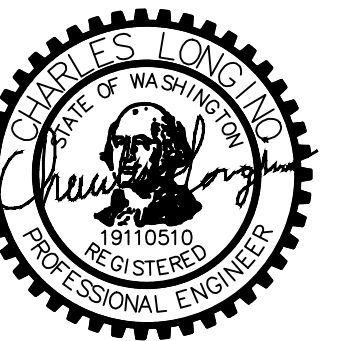
- 032 LOBBY
- 033 CALLING OFFICE
- 034 BREAKROOM
- 035 LABORATORY
- 036 LABORATORY
- 037 OFFICE
- 040 CORRIDOR
- 044 OFFICE
- 046 OFFICE
- 047 OFFICE
- 048 CONF
- 049 OFFICE
- 040 OPEN OFFICE

REMARKS
Comments:



1 BELOW SLAB PLAN - PLUMBING
SCALE: 1/4" = 1'-0"
PLAN NORTH

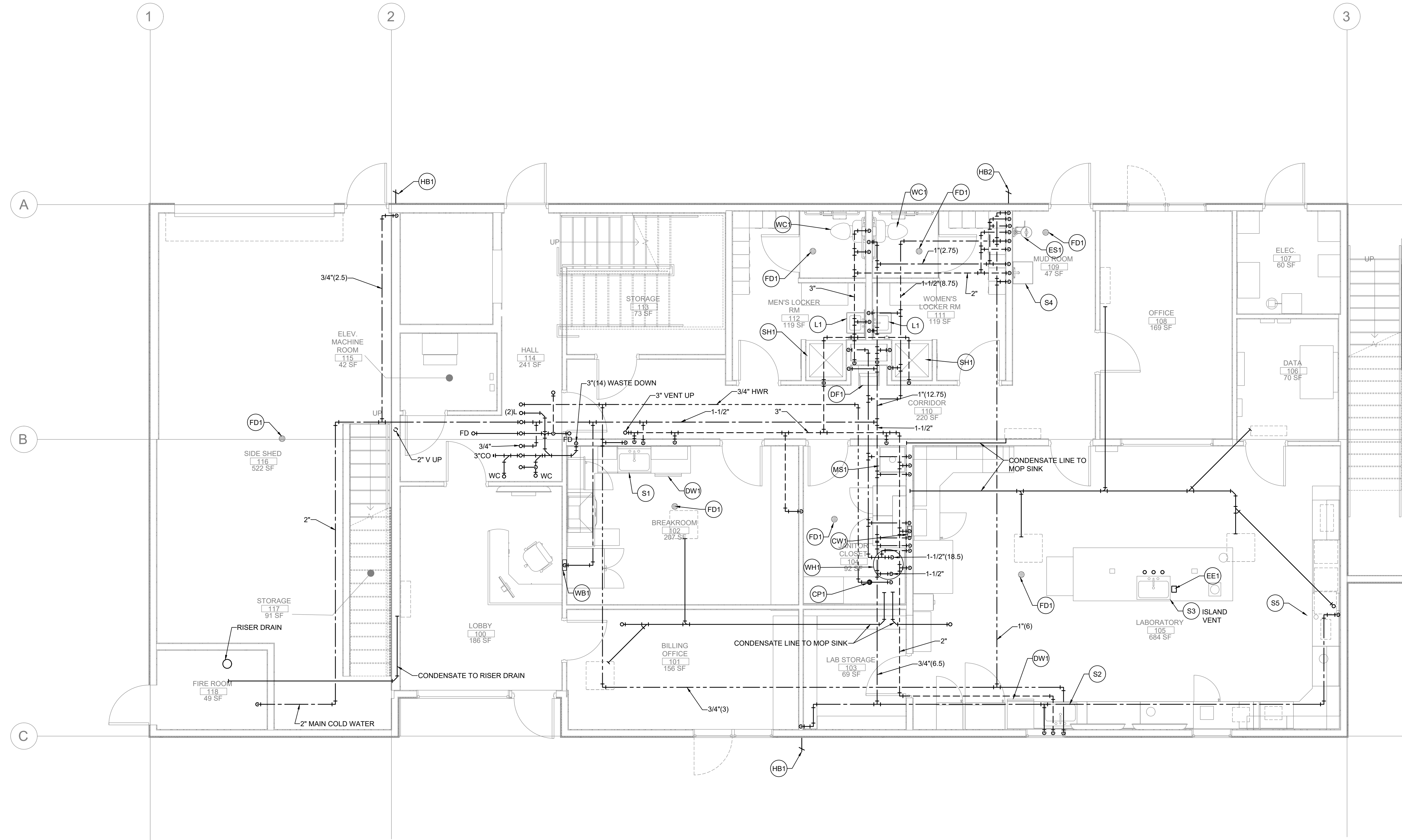
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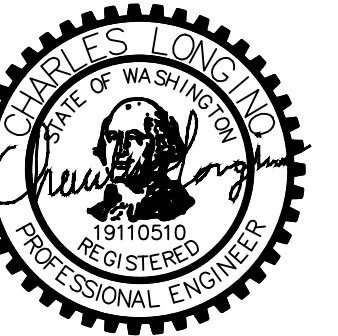
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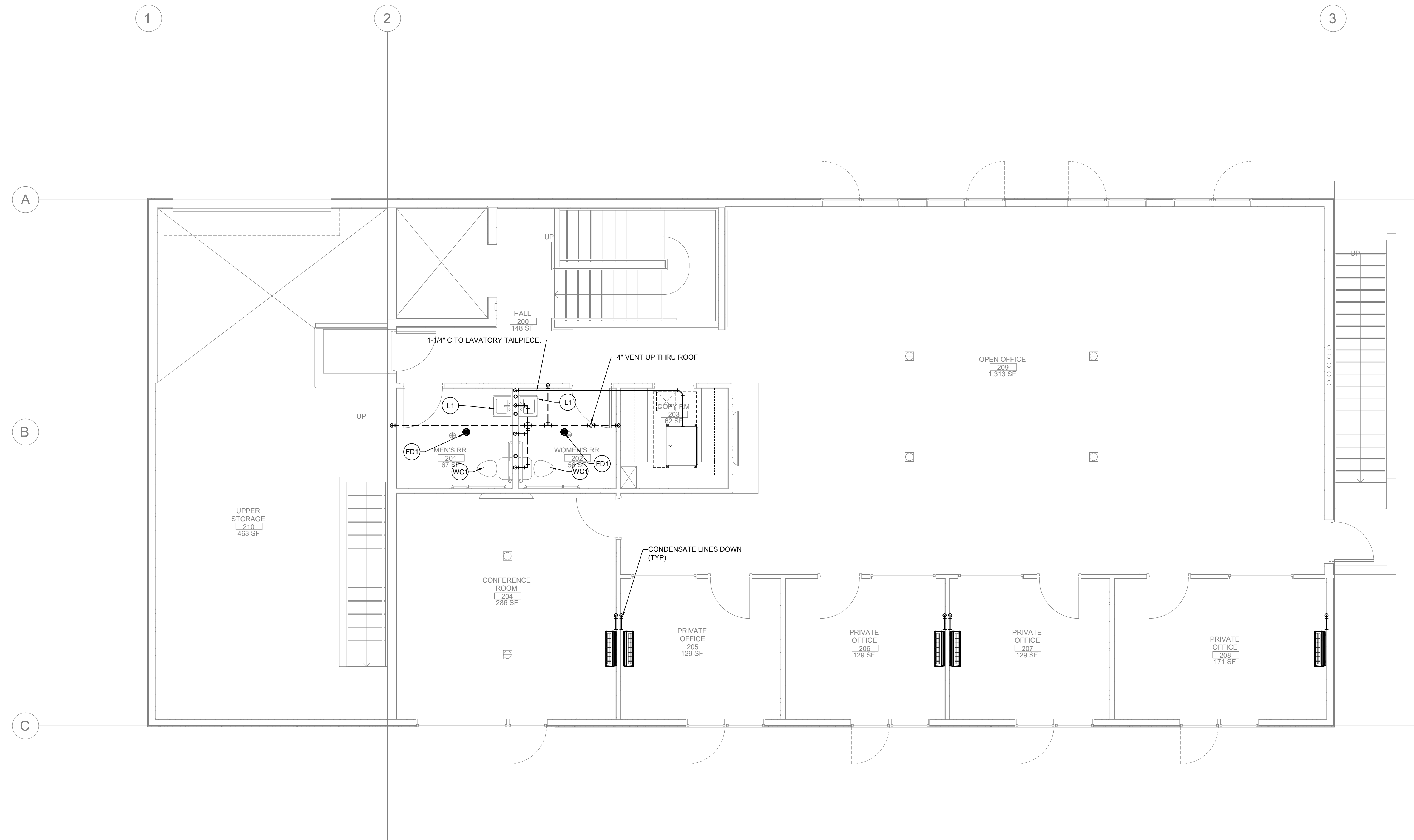


1 FIRST FLOOR PLAN - PLUMBING
0 2 4 8
SCALE: 1/4" = 1'-0"
PLAN NORTH

ISSUE LIST

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1 SECOND FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"
PLAN NORTH

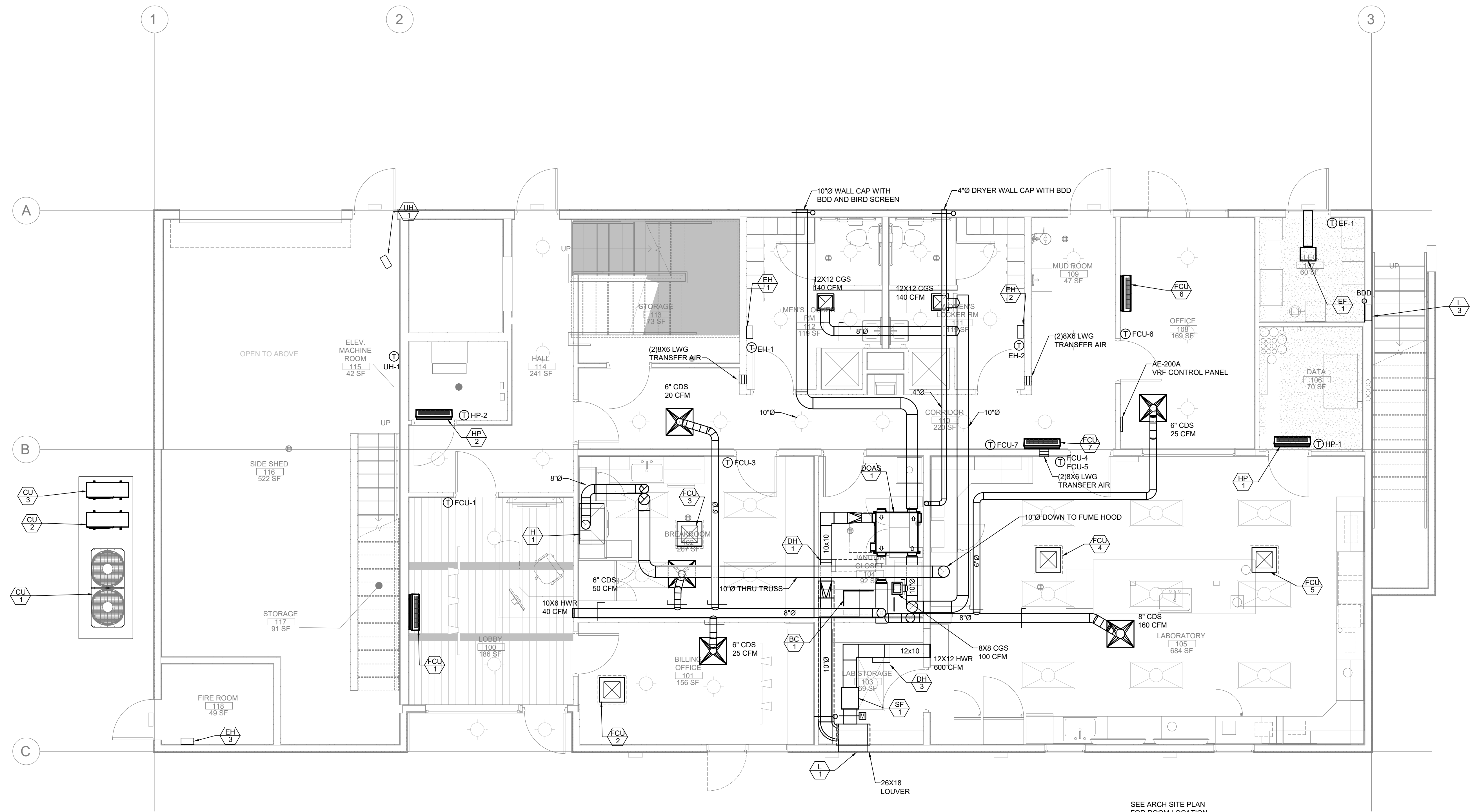
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1 FIRST FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"

2 PUMP ROOM PLAN - HVAC
SCALE: 1/4" = 1'-0"

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3015 MISSION BEACH ROAD
TULALIP, WA 98271

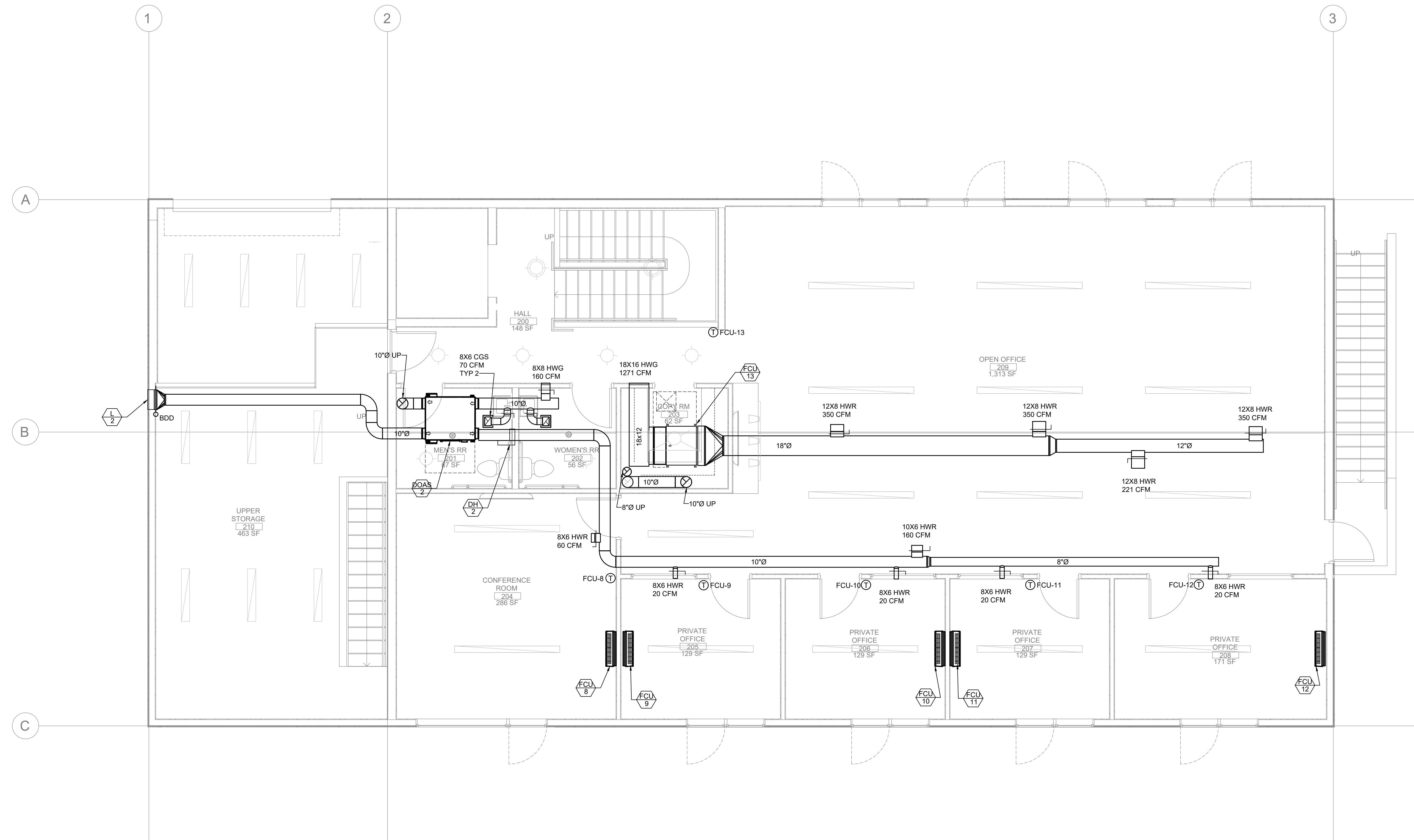
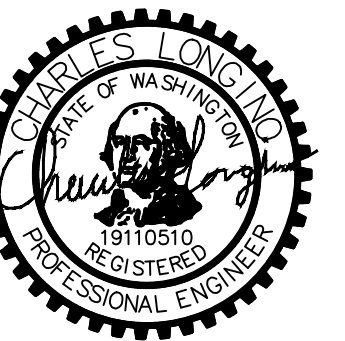


ISSUE LIST

NO.	DESCRIPTION

PROJECT NO.: 0070800.01
PROJECT MGR.: M. AZEEM
DRAWN BY:
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TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271



1 SECOND FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"
PLAN NORTH

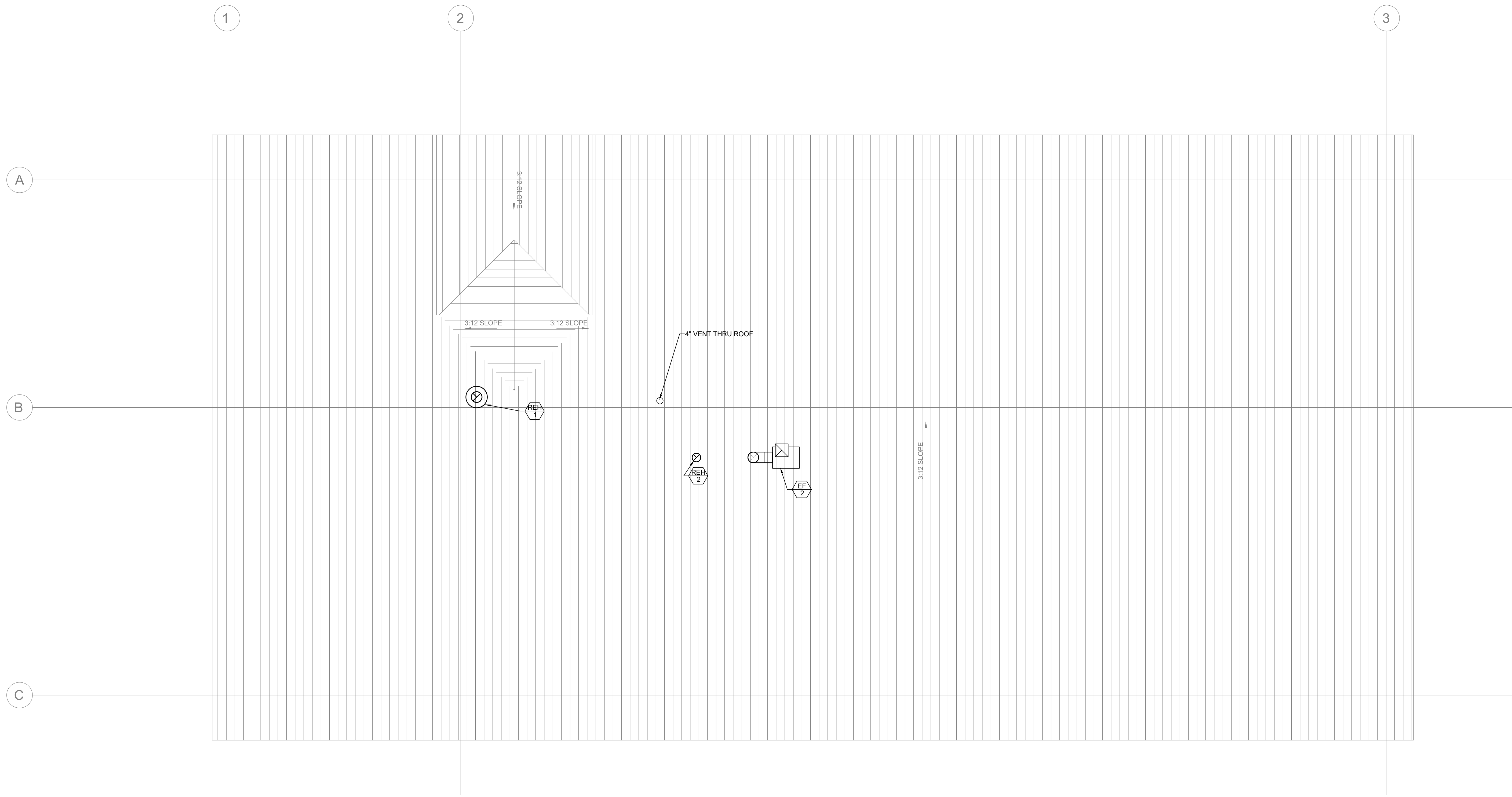
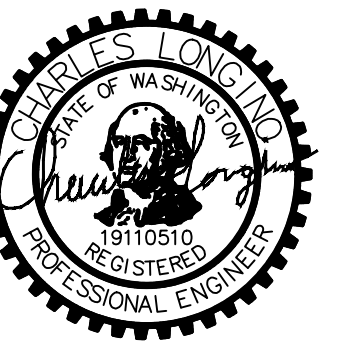
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1	BID ISSUE

PROJECT NO.: 0070800.01
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SECOND FLOOR
PLAN - HVAC
M3.1

TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

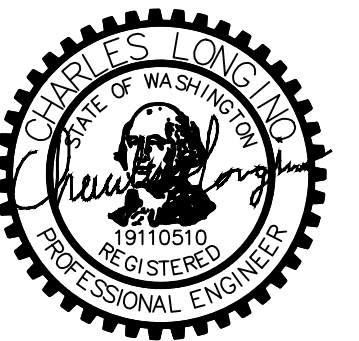


1 ROOF PLAN - HVAC
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SCALE: 1/4" = 1'-0"
PLAN NORTH

ISSUE LIST

DATE	NO.	DESCRIPTION
03/27/2024		BID ISSUE

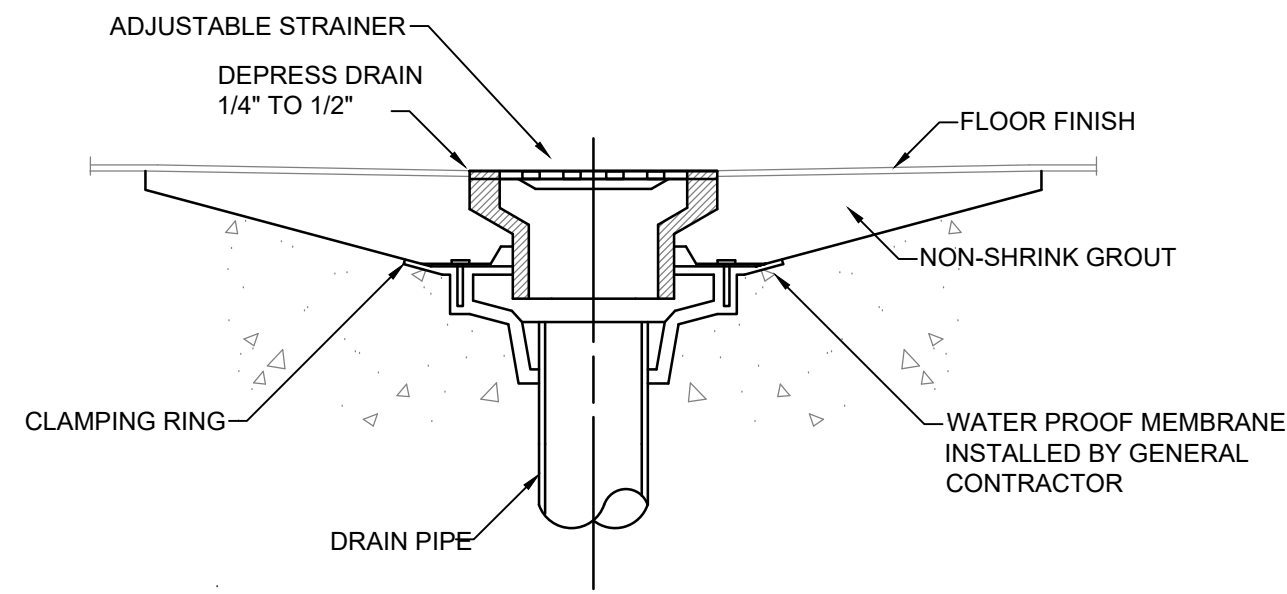
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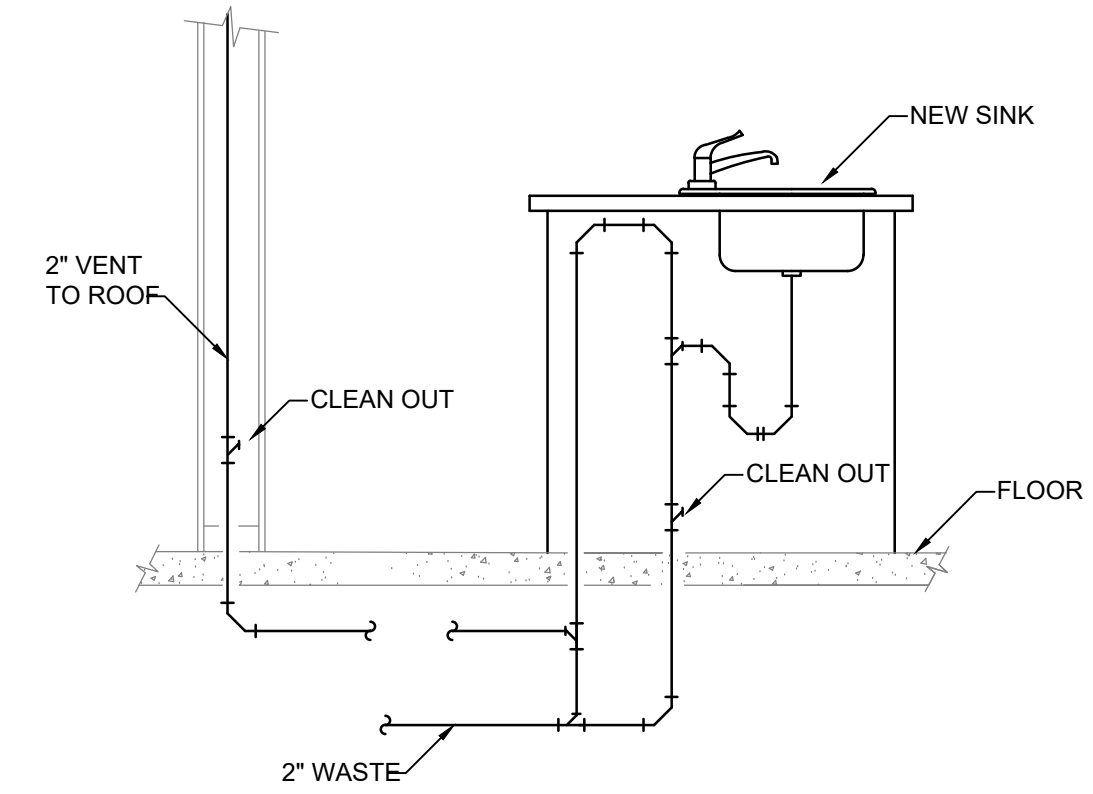
ISSUE LIST

NO.	DESCRIPTION	BID ISSUE
DATE: 03/27/2024		

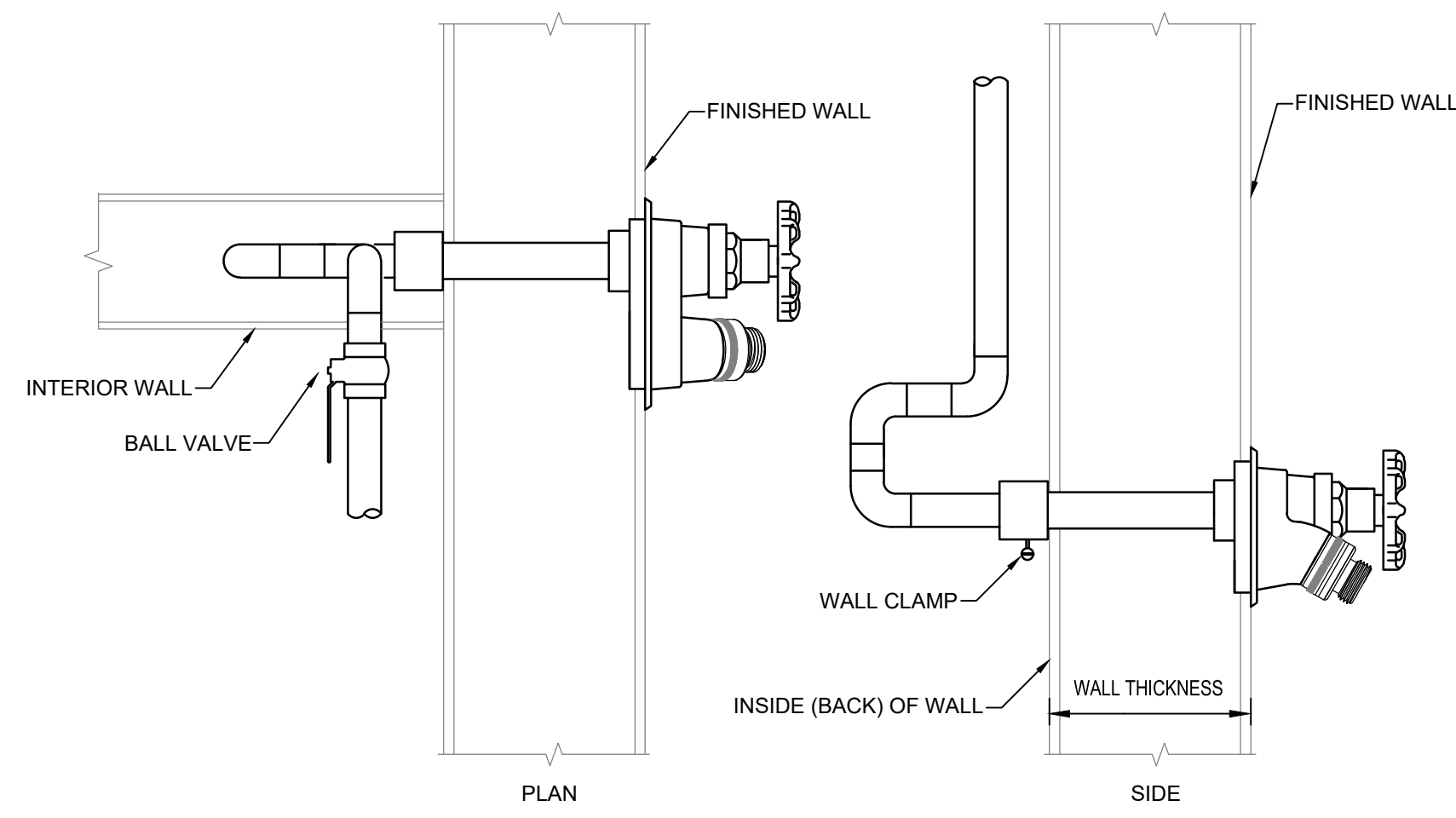
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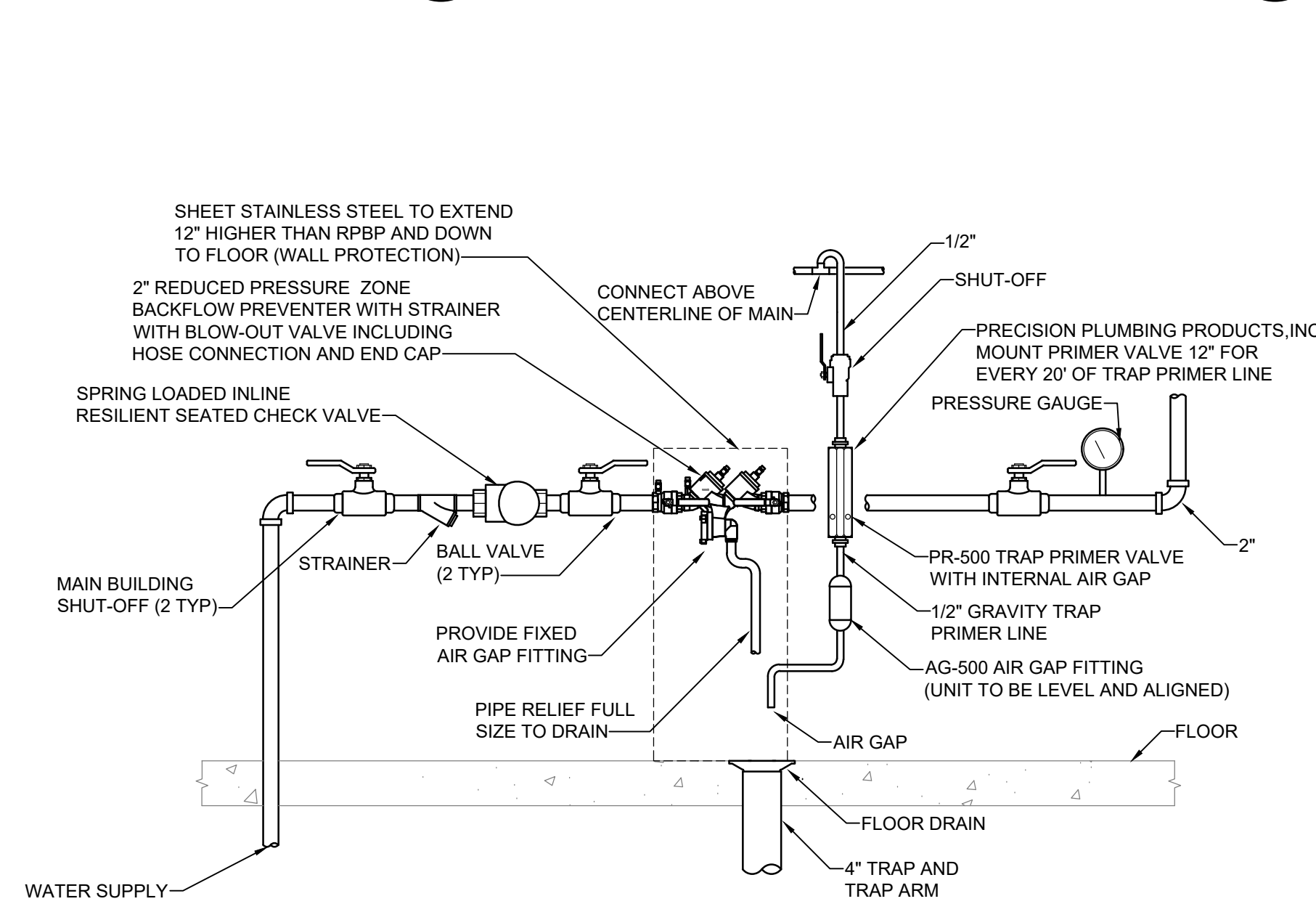
2 FLOOR DRAIN DETAIL
M4.0 SCALE: NTS



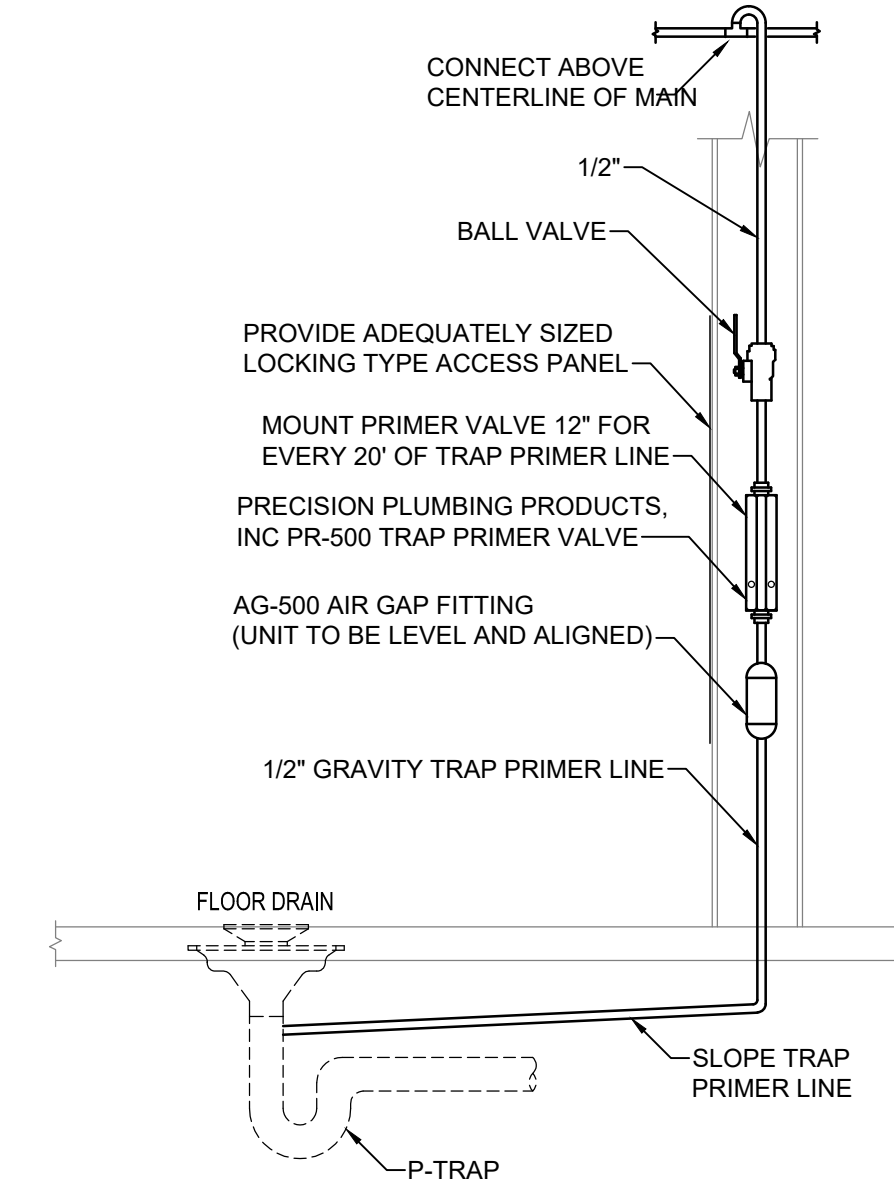
1 ISLAND VENT DETAIL
M4.0 SCALE: NTS



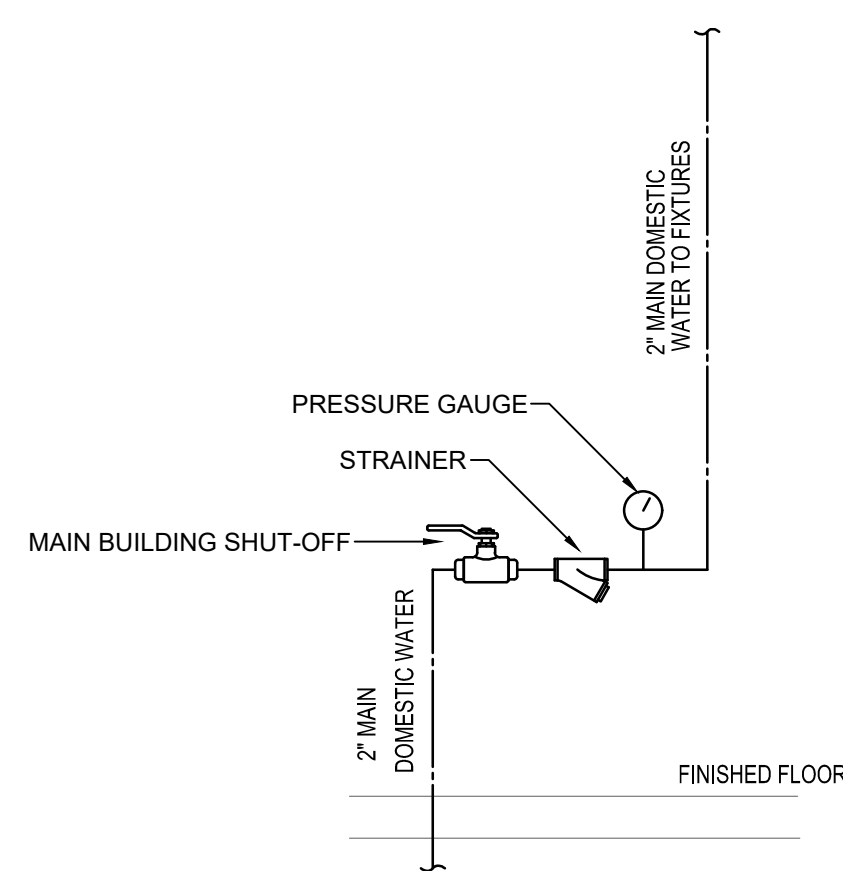
5 FREEZEPROOF WALL HYDRANT DETAIL
M4.0 SCALE: NTS



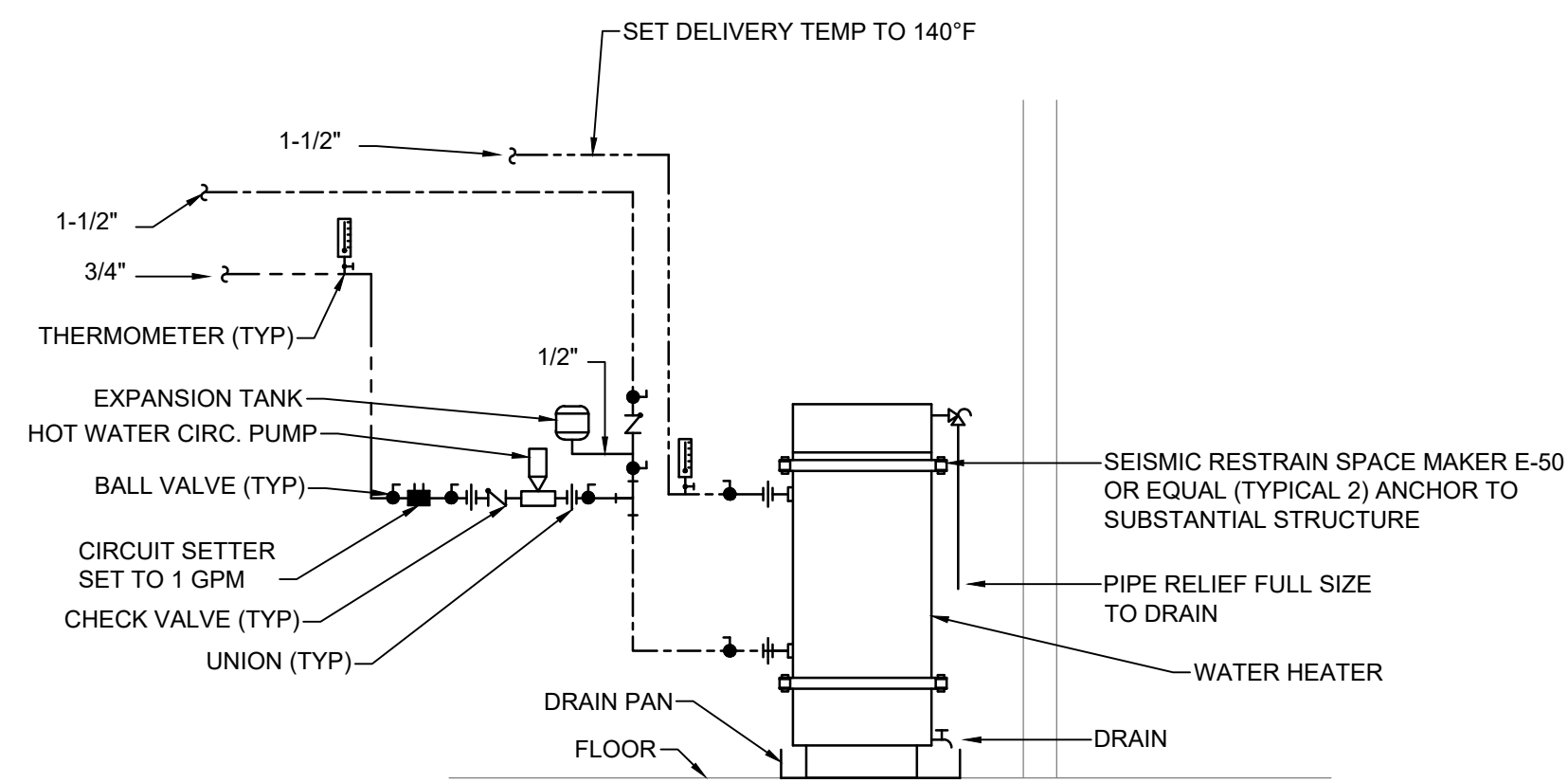
4 REDUCED PRESSURE BACKFLOW PREVENTER DETAIL
M4.0 SCALE: NTS



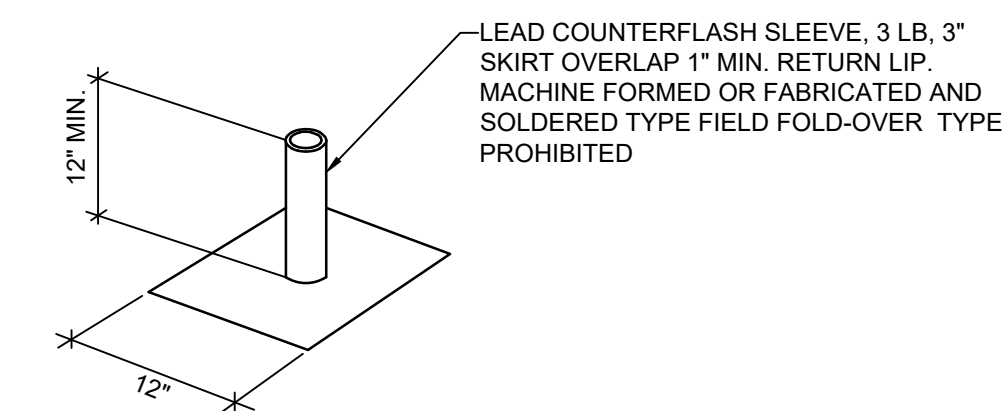
3 TRAP PRIMER DETAIL
M4.0 SCALE: NTS



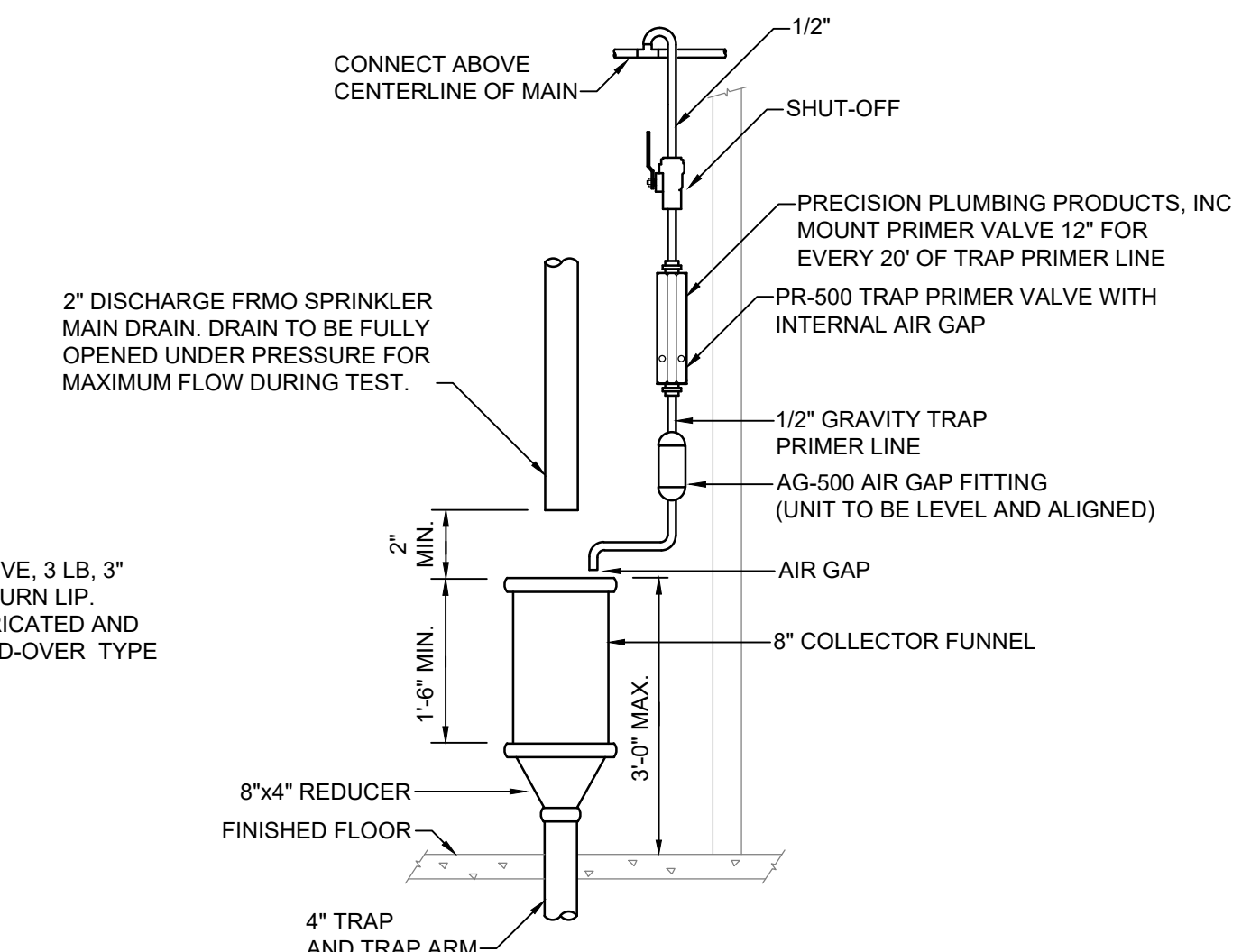
9 MAIN BUILDING SHUT-OFF DETAIL
M4.0 SCALE: NTS



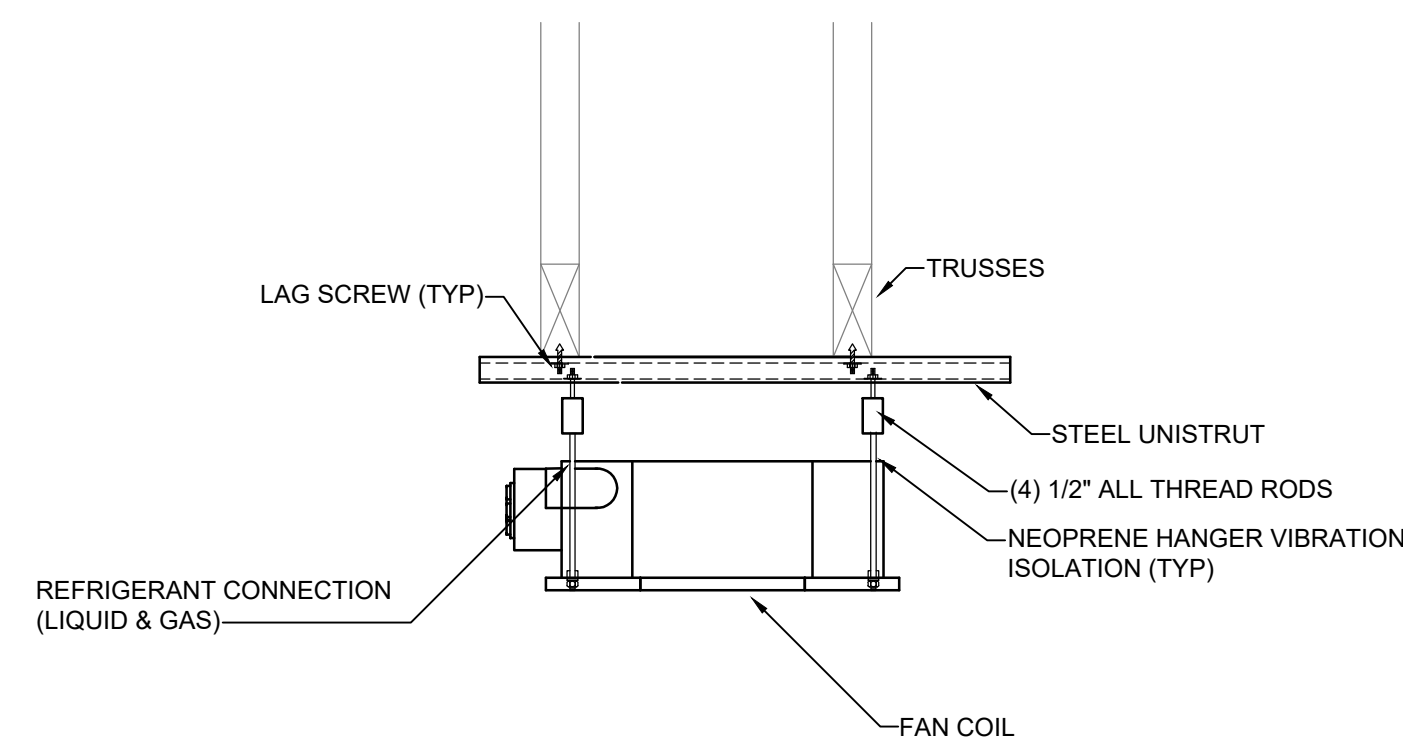
8 WATER HEATER DETAIL
M4.0 SCALE: NTS



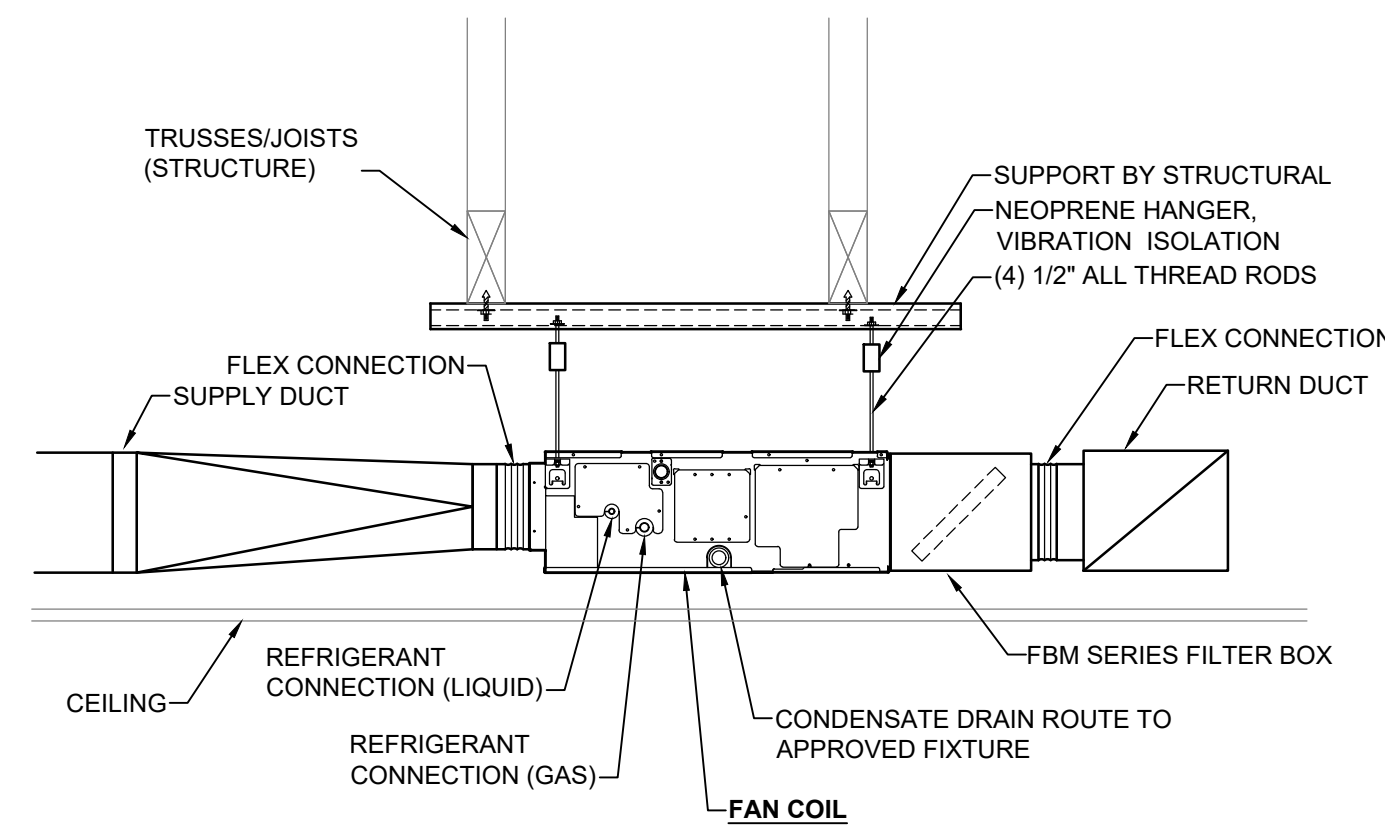
7 PLUMBING VENT FLASHING
M4.0 SCALE: NTS



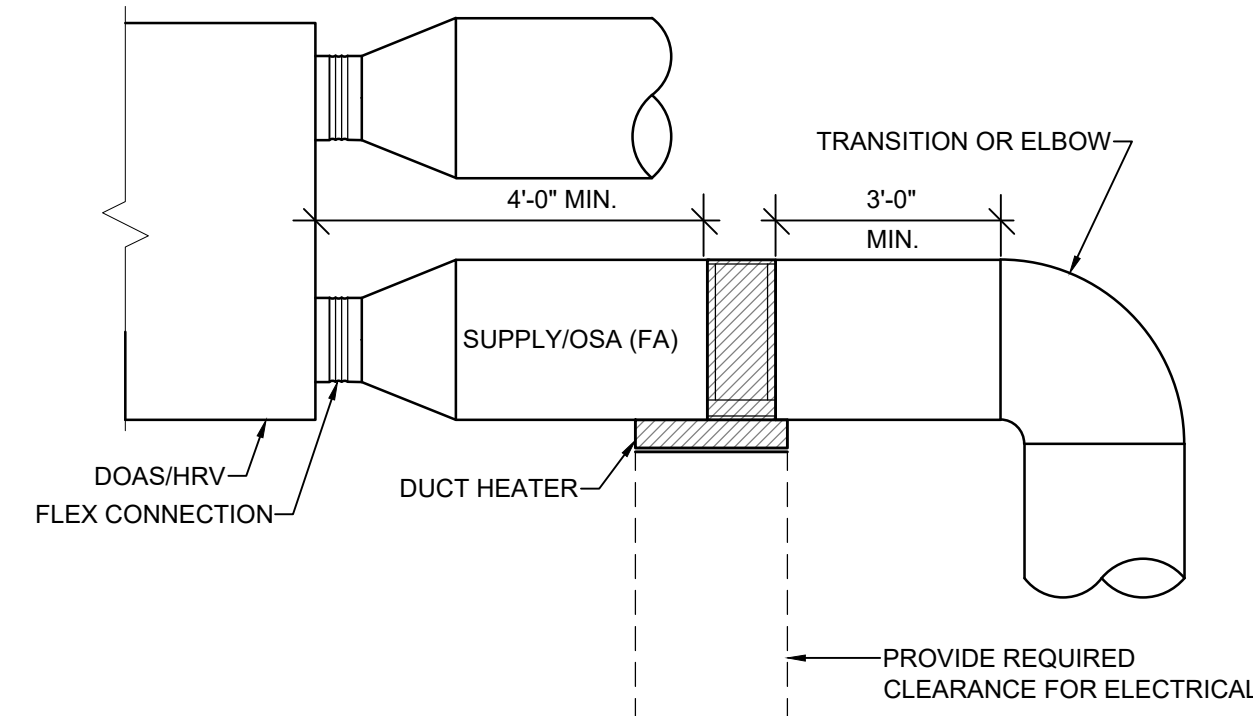
6 FIRE SPRINKLER DRAIN DETAIL
M4.0 SCALE: NTS



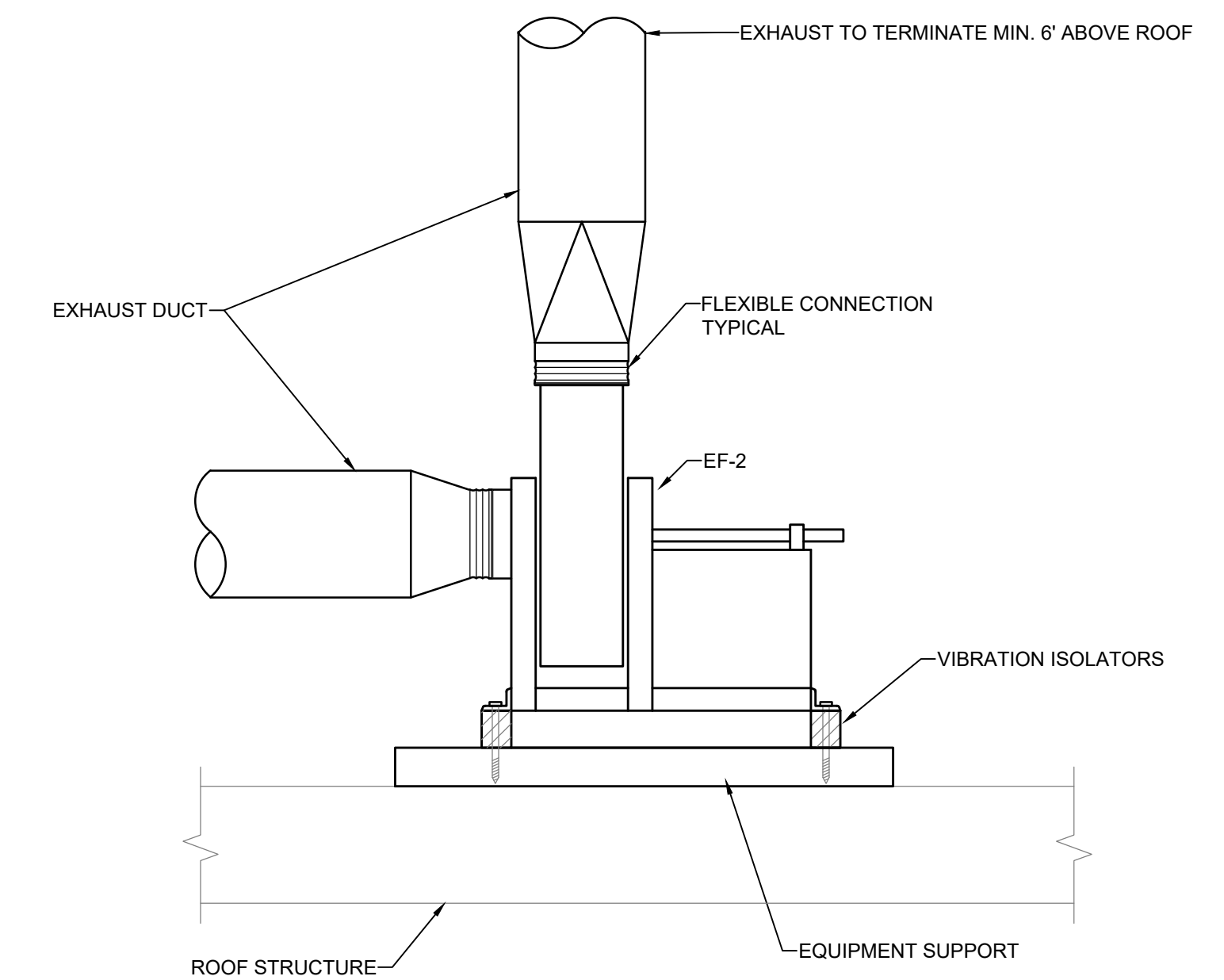
4 NON DUCTED 4-WAY FAN COIL DETAIL
M4.1 SCALE: NTS



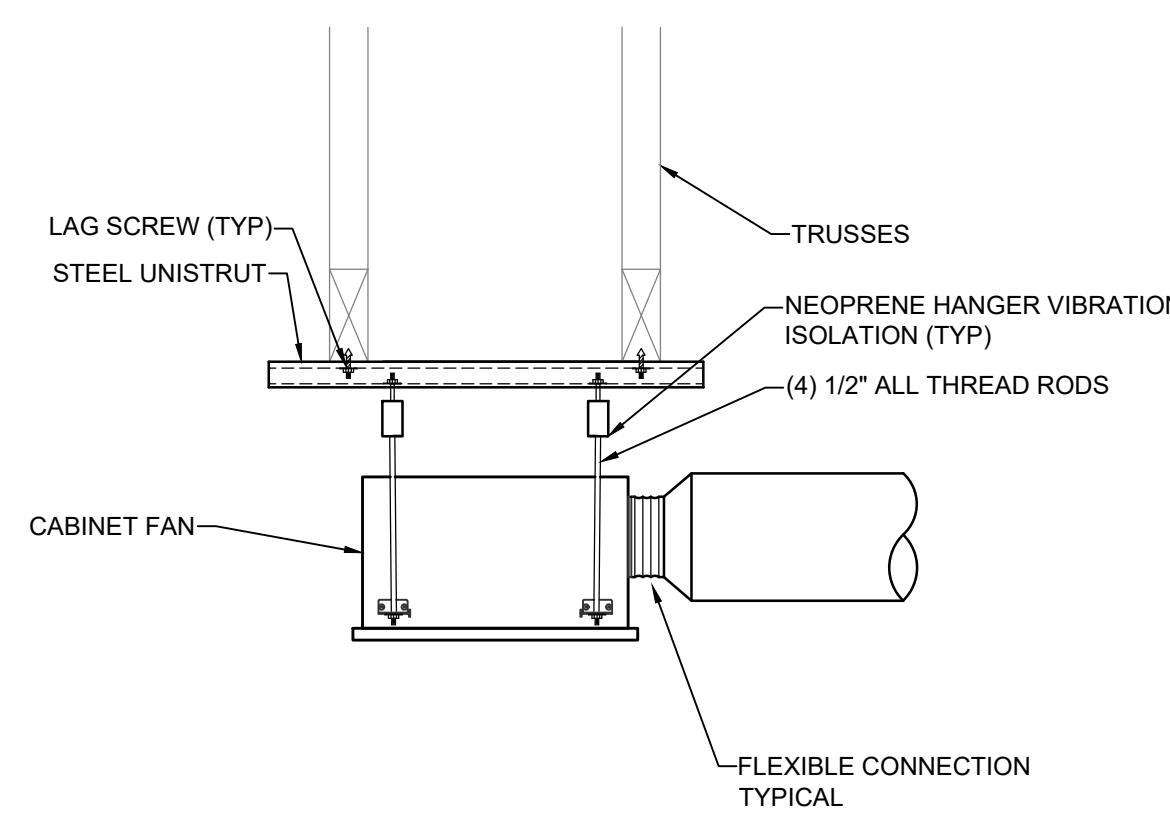
3 DUCTED RETURN FAN COIL DETAIL
M4.1 SCALE: NTS



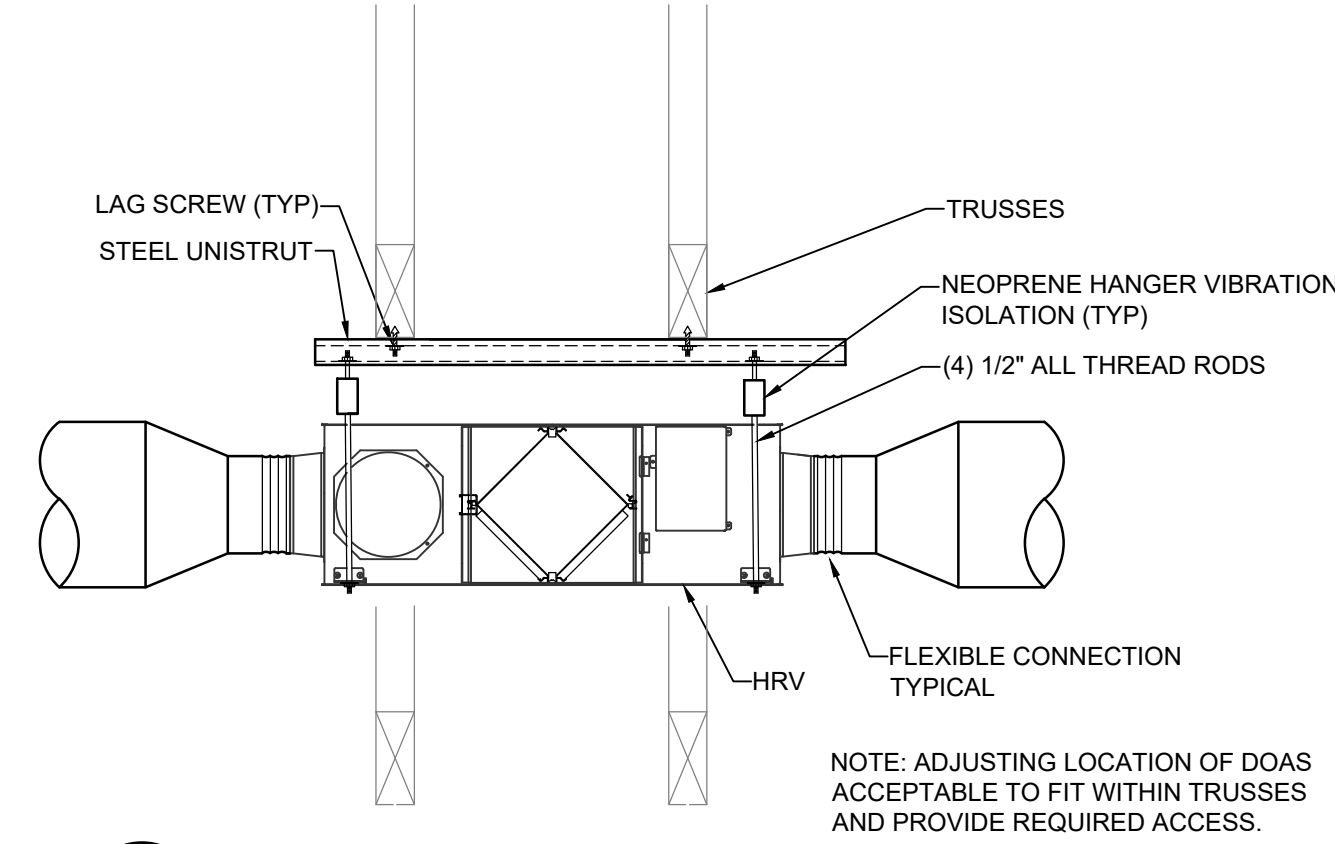
2 ELECTRIC DUCT COIL DETAIL
M4.1 SCALE: NTS



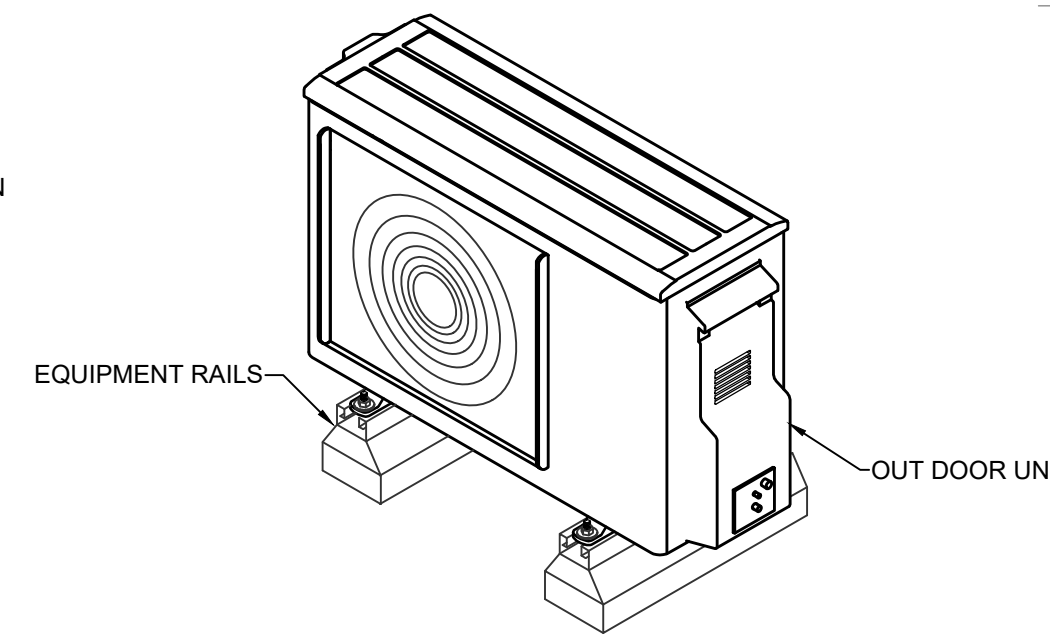
1 LAB HOOD EXHAUST FAN DETAIL
M4.1 SCALE: NTS



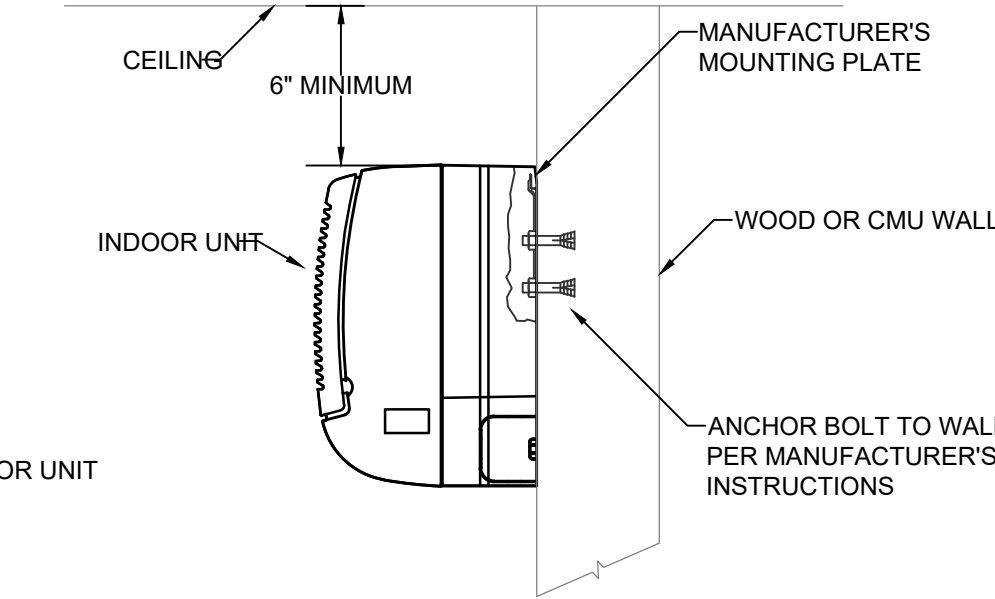
8 EXHAUST FAN DETAIL
M4.1 SCALE: NTS



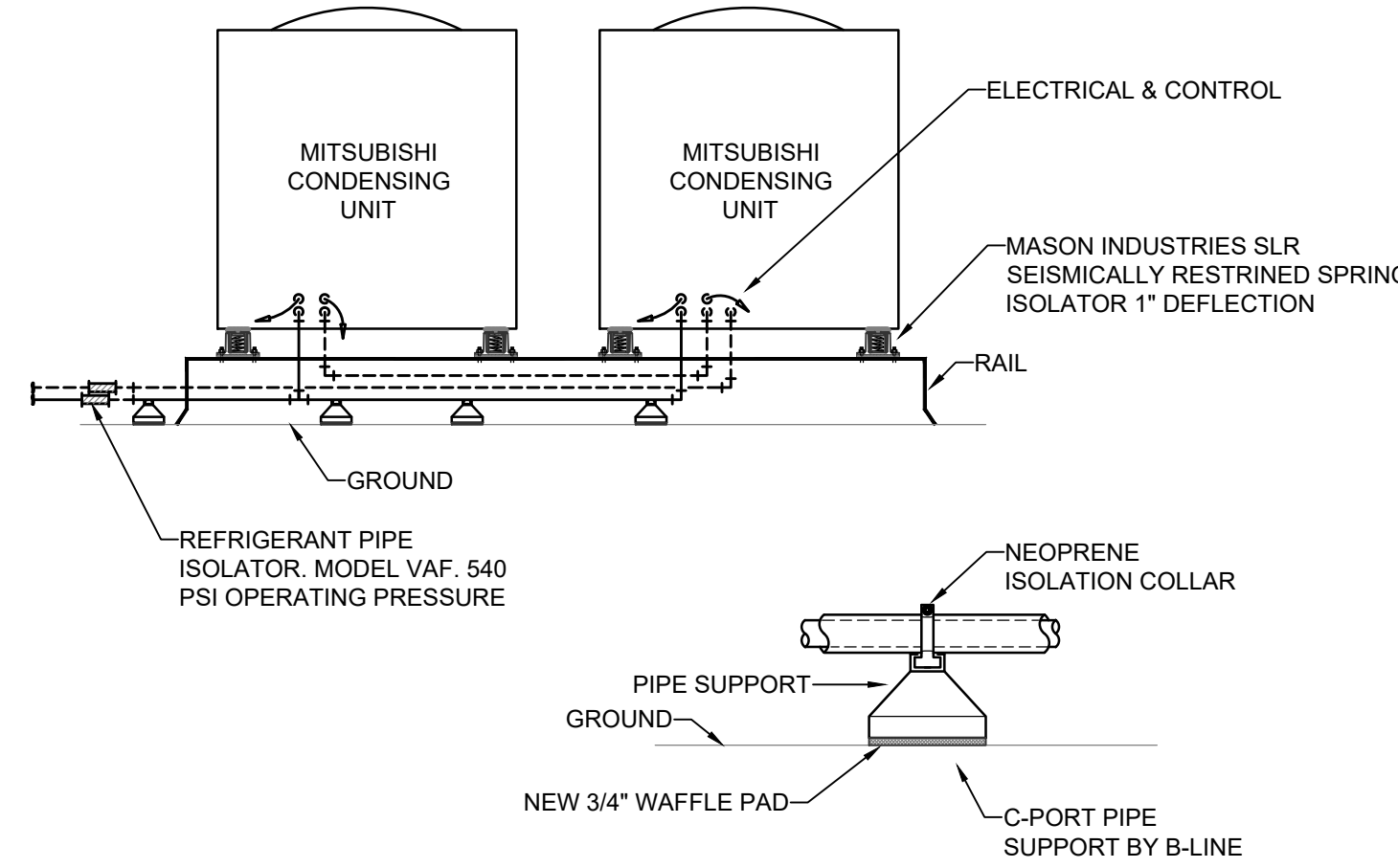
7 DOAS - HRV DETAIL
M4.1 SCALE: NTS



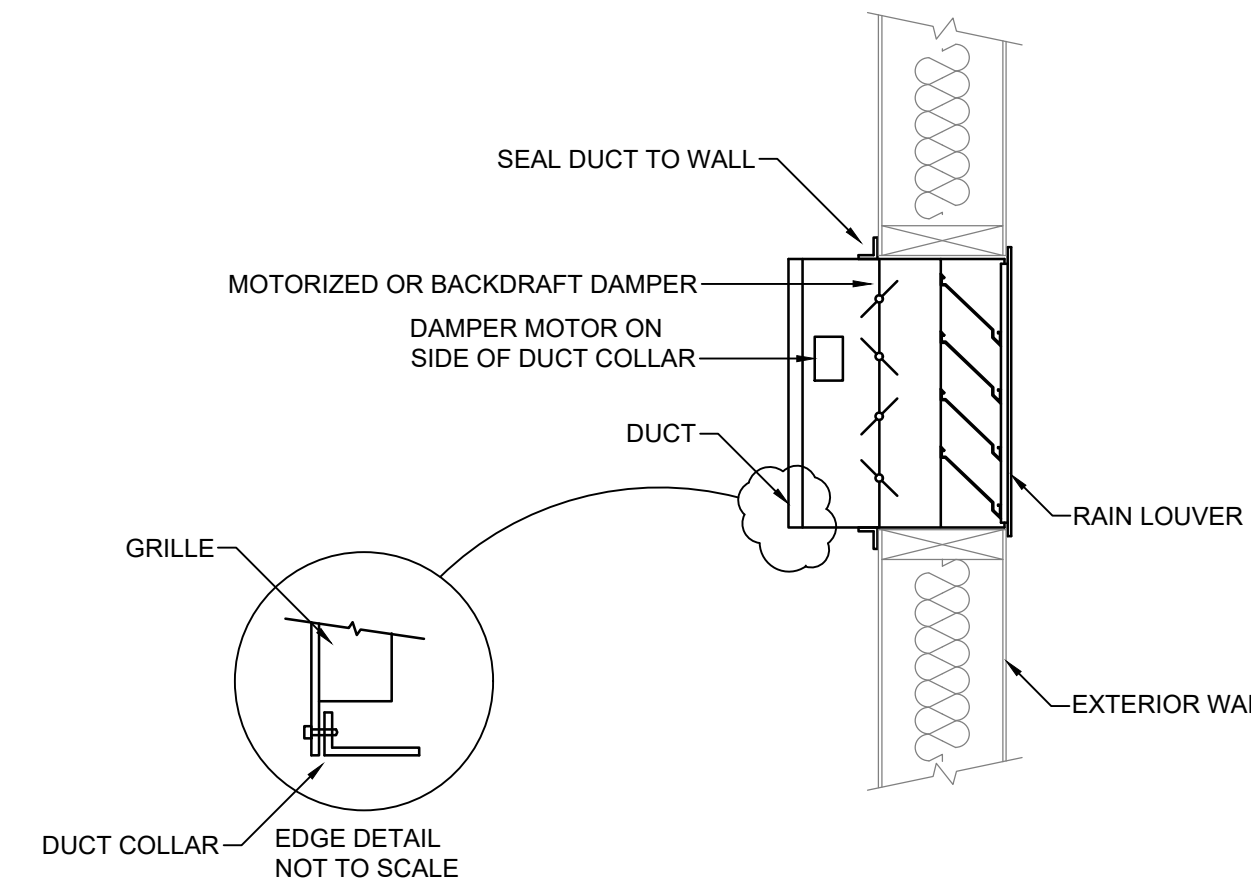
6 CONDENSING UNIT DETAIL
M4.1 SCALE: NTS



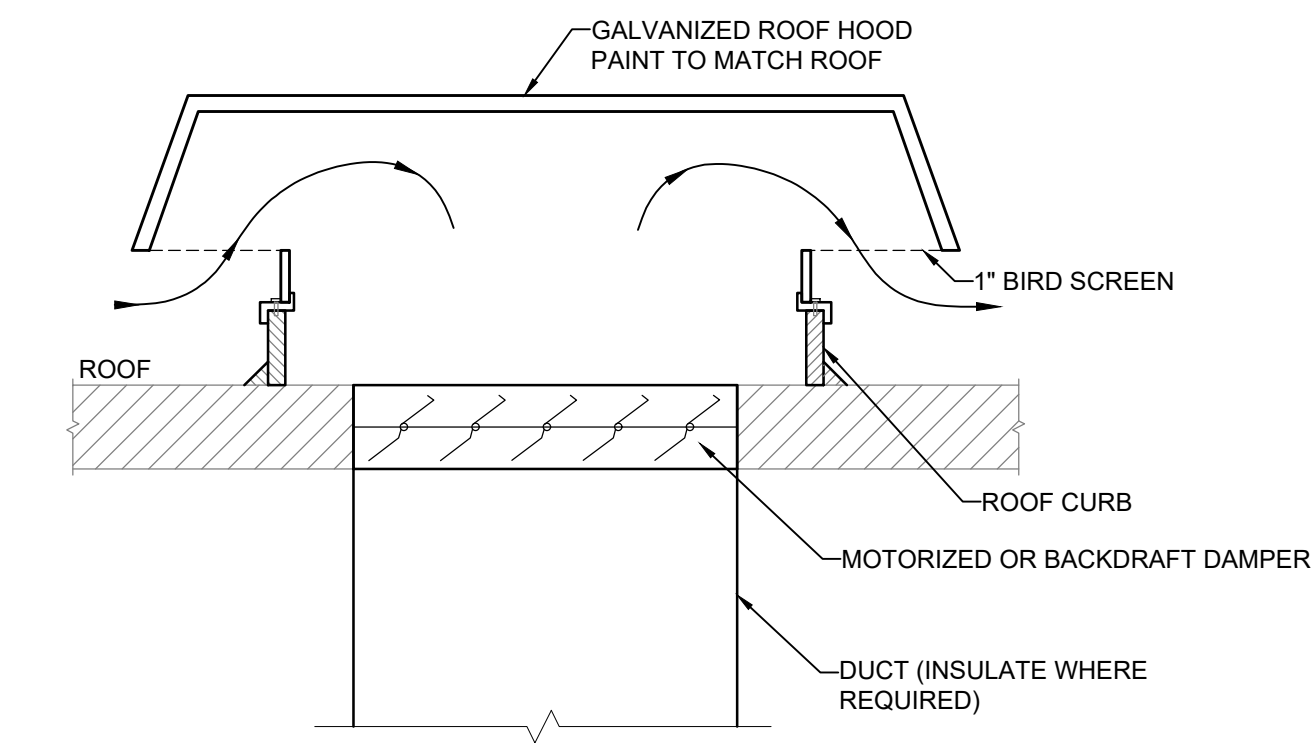
5 FAN COIL DETAIL
M4.1 SCALE: NTS



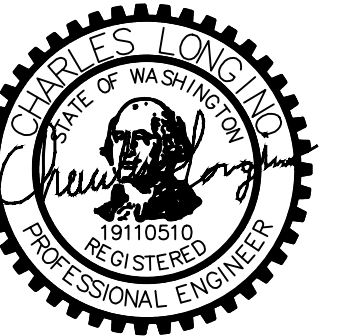
11 PIPING / EQUIPMENT SUPPORT / VIBRATION ISOLATION DETAIL
M4.1 NTS



10 WALL AIR INTAKE GRILLE DETAIL
M4.1 SCALE: NTS



9 ROOF HOOD DETAIL (INTAKE OR EXHAUST)
M4.1 SCALE: NTS



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TULALIP TRIBES UTILITY BUILDING

3015 MISSION BEACH RD, TULALIP, WA 98271

ELECTRICAL SCOPE OF WORK

PROJECT IS DESIGNED TO UTILIZE EXISTING UTILITY TRANSFORMERS TO PROVIDE POWER TO THE NEW MAIN UTILITY BUILDING LOADS AND TO ELECTRICAL EQUIPMENT RELOCATED FROM THE EXISTING LAB BUILDING.

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND UNDERSTAND THE EXTENT OF THE WORK REQUIRED PRIOR TO QUOTATION.
- PROVIDE SEPARATE INSULATED GROUNDING CONDUCTOR IN ALL FEEDERS AND BRANCH CIRCUITS.
- FIRE SEAL ALL FIRE RATED WALLS AND FLOOR PENETRATIONS PER CLIENT STANDARDS.
- ALL EQUIPMENT SHALL BE ELECTRICALLY BONDED AND GROUNDED PER NEC SECTION 250.
- PROVIDE ARC FLASH LABELS FOR ALL ELECTRICAL EQUIPMENT.
- PROVIDE SPD (SURGE PROTECTION DEVICE) FOR MDP (MAIN DISTRIBUTION PANEL).
- PROVIDE MAINTENANCE DISCONNECT FOR ALL MECHANICAL EQUIPMENT WITH PROPER CLEARANCES PER NEC SECTION 110.
- REFER TO SPECIFICATIONS SHEET OR SPECIFICATIONS BOOKLET FOR MATERIAL SPECIFICATIONS AND CONTRACTOR MEANS AND METHOD. IF A DISCREPANCY IS NOTED BETWEEN PLANS AND SPECIFICATIONS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY DURING THE BID PROCESS.
- REFER TO ARCHITECTURAL PLANS, NOTES, AND ASSOCIATED DETAILS FOR MOUNTING HEIGHTS OF ALL DEVICES UNLESS OTHERWISE NOTED. MOUNTING HEIGHTS EITHER DEPICTED ON ARCHITECTURAL DOCUMENTS SHALL BE USED FOR INSTALLATION OF ASSOCIATED ROUGH IN COMPONENTS AND FINAL MOUNTING HEIGHT OF DEVICE TO CENTERLINE FROM ABOVE FINISHED FLOOR.
- CONTRACTOR SHALL COORDINATE EXACT CONNECTION LOCATION OF EQUIPMENT AND DEVICES WITH OTHER DISCIPLINES AND OWNER PRIOR TO ROUGH IN AND INSTALL.
- MOUNT EXTERIOR ELECTRICAL EQUIPMENT AS INDICATED ON ELECTRICAL.
- PROVIDE DEVICE/SWITCH LABELING AS INDICATED ON ELECTRICAL DETAIL.
- ALL SAFETY SWITCHES OR DISCONNECTING DEVICES SERVING MECHANICAL EQUIPMENT SHALL BE NON-FUSED TYPE UNLESS OTHERWISE REQUIRED. MANUAL MOTOR CONTROLLERS SHALL BE FURNISHED WITH THERMAL OVERLOAD PROTECTION. THE DISCONNECTING MEANS SHALL BE PROVIDED WITH LOCKING PROVISIONS IF THE SAFETY SWITCH OR DISCONNECT IS NOT WITHIN THE LINE OF SIGHT OF THE MECHANICAL EQUIPMENT. THE FUSES SHALL BE SIZED PER MANUFACTURERS RECOMMENDATION IF NOT REFER TO NEC 430 SECTION MOTORS.
- ALL BRANCH AND FEEDER CIRCUITS TO DEVICES AND EQUIPMENT SHALL BE PROVIDED WITH A DEDICATED EQUIPMENT GROUNDING CONDUCTOR. MINIMUM SIZE SHALL BE #12 AWG. DO NOT USE RACEWAYS FOR GROUNDING.
- CIRCUIT BREAKERS SERVING EMERGENCY LIGHTING AND LIFE SAFETY EQUIPMENT SUCH AS FIRE ALARM SYSTEMS, SHALL BE FURNISHED WITH A HANDLE LOCKING DEVICE ON THE BREAKER HANDLE.
- COORDINATE AND CONFIRM WITH VENDOR MAXIMUM ALLOWED FEEDER LENGTH BETWEEN VFD AND MOTOR. PROVIDE OUTPUT LINE REACTORS/FILTER REQUIRED IF FEEDER LENGTHS EXCEED MANUFACTURER ALLOWED LENGTHS.
- ALL VFDS (VARIABLE FREQUENCY DRIVES) SHALL BE PROVIDED WITH VENDOR SUPPLIED CURRENT LIMITING FUSES AT INPUT TERMINALS TO ACHIEVE SHORT CIRCUIT RATING OF MINIMUM 65KAIC.
- POWER CONNECTION FOR MODULAR FURNITURE.
- COORDINATE WORK OF OTHER TRADES PRIOR TO START OF WORK.

DRAWING LIST	
SHEET DESIGNATION	SHEET TITLE
E1.0	ELECTRICAL GENERAL NOTES
E2.0	ELECTRICAL SINGLE-LINE DIAGRAM
E3.0	ELECTRICAL FIRST FLOOR POWER PLAN
E3.1	ELECTRICAL SECOND FLOOR POWER PLAN
E3.2	ELECTRICAL ROOF POWER PLAN
E3.3	ELECTRICAL ROOM ENLARGED PLAN
E3.4	ELECTRICAL PUMP ROOM ENLARGED PLAN
E4.0	ELECTRICAL FIRST FLOOR LIGHTING PLAN
E4.1	ELECTRICAL SECOND FLOOR LIGHTING PLAN
E5.0	ELECTRICAL PANEL SCHEDULES
E5.1	EXISTING MCC SCHEDULE

LEGEND

	AUTOMATIC TRANSFER SWITCH		120V DOUBLE DUPLEX RECEPTACLE, FLOOR MOUNTED		SECURITY DATA/AIPHONE/TIMEIPS/KEYBOX
	CIRCUIT BREAKER		240V RECEPTACLE		DATA (ETHERNET) JACK + COUNT
	GENERATOR		2'x4', 4'x4' TROFFER LIGHTING FIXTURE		FLOOR MOUNTED DATA (ETHERNET) JACK + COUNT
	COMPRESSION TYPE BOLTED MECHANICAL CONNECTION / NEMA GROUNDING PAD		WALL MOUNTED FLUORESCENT LIGHTING FIXTURE		SECURITY CAMERA
	EXOTHERMIC WELD / TERMINATION POINT		WALL MOUNTED LIGHTING FIXTURE		BADGE READER
	GROUND BUS BAR		OCCUPANCY SENSOR		ALARM ARMING STATION
	GROUNDING CONDUCTOR		360° CEILING MOUNTED MOTION SENSOR		DOOR CONTACT
	GROUND ROD		CEILING MOUNTED MOTION SENSOR		WIRELESS ACCESS POINT
	GROUND TEST WELL		CEILING MOUNTED LIGHTING FIXTURE		
	JUNCTION/PULL BOX		COAXIAL CONNECTION		
	METER		AIPHONE VIDEO INTERCOM		
	SAFETY DISCONNECT SWITCH		ELECTRONIC KEYBOX		
	SWITCH				
	MOTION SENSOR SWITCH				
	TRANSFORMER				
	120V DUPLEX RECEPTACLE				
	GFCI RECEPTACLE				



SITE MAP
SCALE: N.T.S.



TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

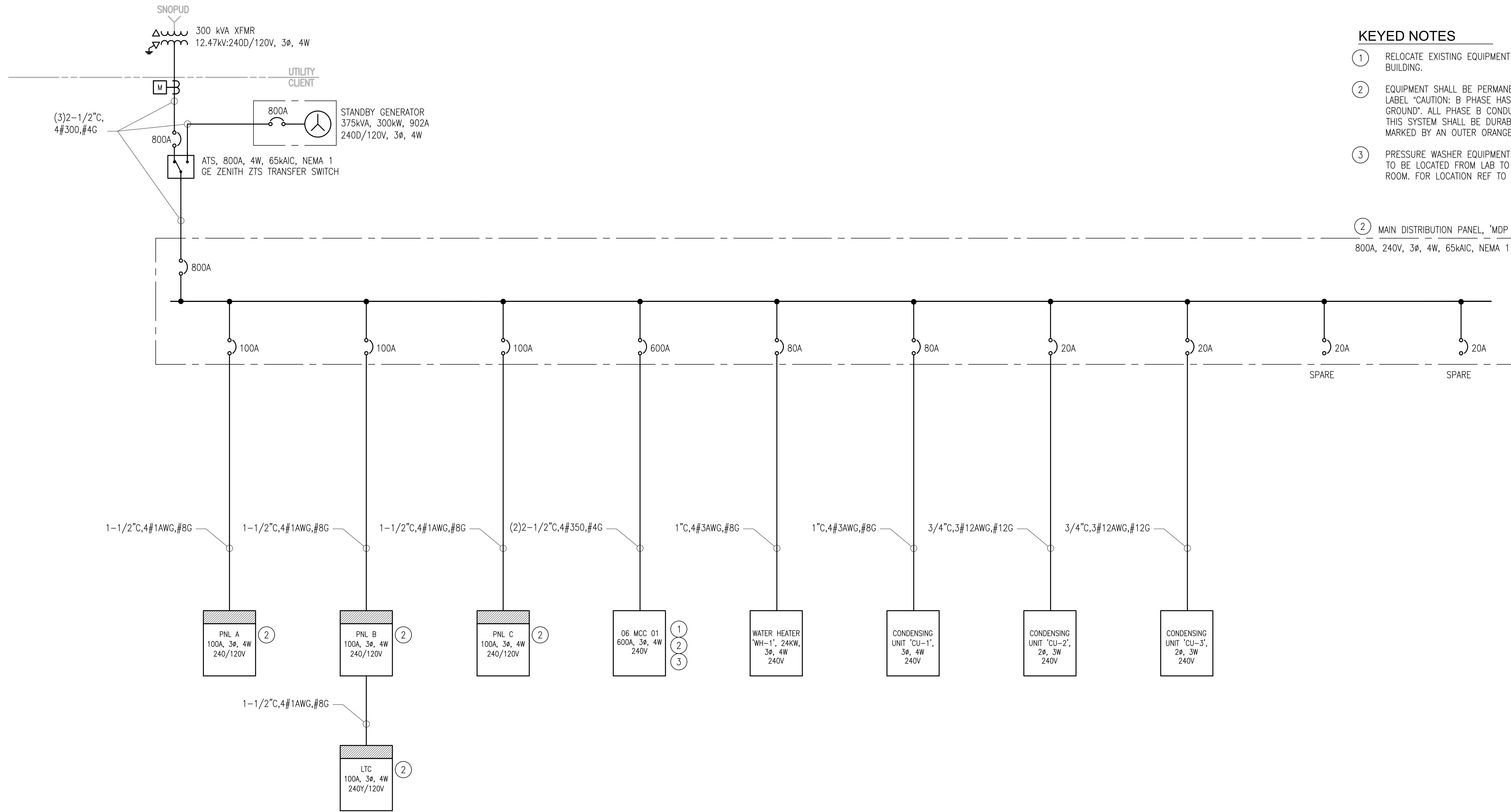


03/21/24

ISSUE LIST

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03/21/24		

PROJECT NO.: 0070800.01
PROJECT MGR.: M. AZEEM
DRAWN BY: R. PINLAC
CHECKED BY: J. NORTON



LEGEND
REFER TO SHEET E1.0 FOR PROJECT SYMBOLS AND NOTES.

GENERAL NOTES

1. ALL INSULATION TYPE THHN
2. REFER TO SHEET E3.3 FOR NEW ELECTRICAL EQUIPMENT INFORMATION.

KEYED NOTES

1. RELOCATE EXISTING EQUIPMENT FROM LAB TO MAIN UTILITY BUILDING.
2. EQUIPMENT SHALL BE PERMANENTLY MARKED WITH LABEL "CAUTION: B PHASE HAS 208 VOLTS TO GROUND". ALL PHASE B CONDUCTORS AND BUSBARS ON THIS SYSTEM SHALL BE DURABLY AND PERMANENTLY MARKED BY AN OUTER ORANGE FINISH.
3. PRESSURE WASHER EQUIPMENT FED FROM EXISTING MCC TO BE LOCATED FROM LAB TO NEW PRESSURE WASHER ROOM. FOR LOCATION REF TO DWG A2.00.

② MAIN DISTRIBUTION PANEL, 'MDP 1'
800A, 240V, 3Φ, 4W, 65kAIC, NEMA 1

SINGLE-LINE DIAGRAM
SCALE: NO SCALE



03/21/24

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LEGEND

REFER TO SHEET E1.0 FOR PROJECT SYMBOLS AND NOTES.

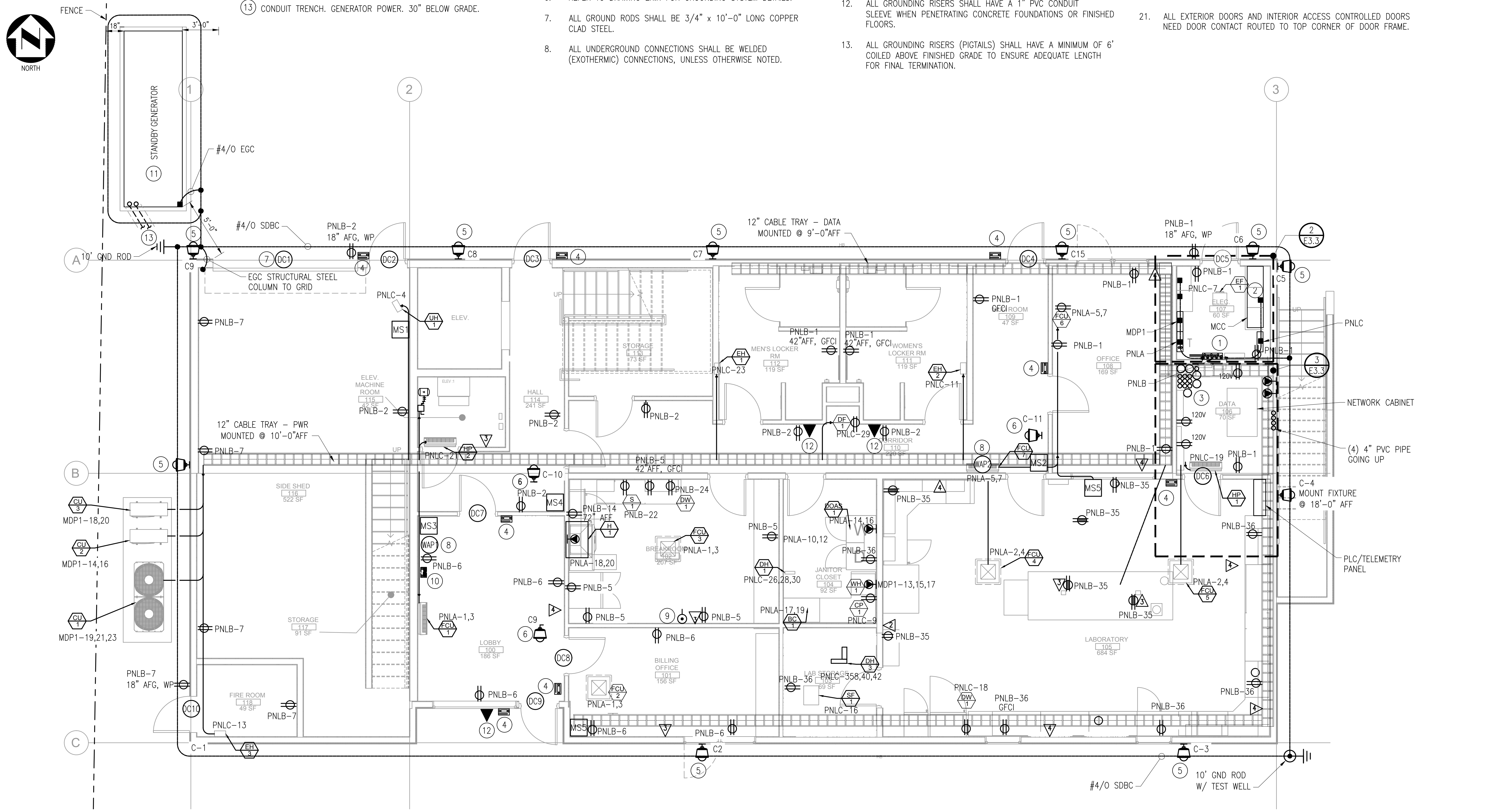
KEYED NOTES

- 1 PROVIDE #4/0 TAP FROM GROUND GRID TO EQUIPMENT GROUND BUS BAR.
- 2 PROVIDE #4/0 GROUND WITHIN HOUSEKEEPING PAD.
- 3 PROVIDE (7) 4" AND (2) 2" CONDUIT MARKED FOR DATA CABLING FROM THE DATA ROOM TO VARIOUS LOCATIONS.
- 4 PROVIDE ACCESS CONTROL BADGE READER AT 48" AFF.
- 5 PROVIDE EXTERIOR CAMERA AT 14' AFG ROUTED WITH 1" CONDUIT INTO RECESSED 2-GANG J-BOX.
- 6 PROVIDE CEILING MOUNTED INTERIOR CAMERA WITH RECESSED 1-GANG J-BOX.
- 7 DOOR CONTACT SHOULD BE ROUTED TO MIDDLE OF GARAGE ROLL-UP DOOR, TERMINATED IN SINGLE GANG J-BOX.
- 8 WIRELESS ACCESS POINT WILL NEED DATA DROP ROUTED TO J-BOX ON WALL -6" FROM FINISHED CEILING, BUT NO HIGHER THAN 12' AFF.
- 9 THE DATA/COAX/ELECTRICAL OUTLETS SHOULD BE INSTALLED ON WALL +72" AFF.
- 10 ALARM ARMING STATION CABLES SHOULD BE ROUTED TO SINGLE GANG J-BOX AT +54" AFF.
- 11 PROVIDE 300kW, 240D/120V, 3PH, 4W STANDBY GENERATOR, GENERAC CAT. SD300. MAINTAIN MINIMUM CLEARANCES OF 36" IN FRONT, 18" TO FENCE, AND 5" TO DOOR OR WINDOW. PROVIDE 183" X 66" HOUSEKEEPING PAD.
- 12 KEYBOX DATA, TIMEIPS, AIPHONE DATA DROP AND ELECTRICAL DROPS WILL NEED TO BE IN RECESSED J-BOX AT 54" ABOVE FINISHED FLOOR.
- 13 CONDUIT TRENCH. GENERATOR POWER. 30" BELOW GRADE.

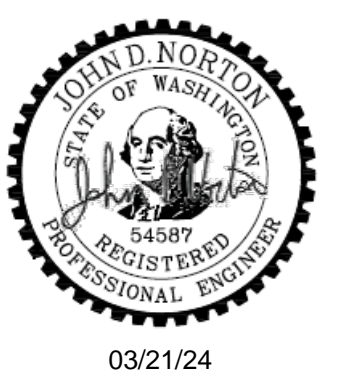
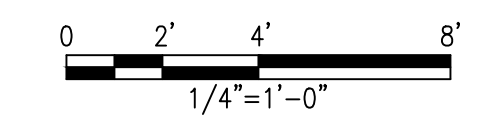
GENERAL NOTES

- 1. CONDUIT ROUTING IS DIAGRAMMATIC. ELECTRICAL CONTRACTOR SHALL DETERMINE THE BEST ROUTING PATH AND CIRCUIT COMBINATIONS BASED ON FIELD CONDITIONS AND ELECTRICAL CODES.
- 2. CONDUIT ROUTING TO RECEPTACLES IS NOT SHOWN. CONTRACTOR SHALL USE BEST ROUTING PRACTICES TO AVOID OBSTRUCTIONS AND INTERFERENCE WITH OTHER EQUIPMENT.
- 3. CONDUCTOR AND CONDUIT SIZING SHALL BE AS PER NEC.
- 4. EQUIPMENT LOCATIONS AND ARRANGEMENT ARE SCHEMATIC. CONTRACTOR SHALL COORDINATE WITH EQUIPMENT MANUFACTURER FOR DETAILED CONNECTION REQUIREMENTS AND PROVIDE MATERIALS AND INSTALLATION FOR A COMPLETE AND OPERATIONAL SYSTEM.
- 5. GROUND GRID CONDUCTORS SHALL BE #4/0 SOFT DRAWN BARE COPPER (SDBC). BONDING JUMPERS SHALL BE #2/0 SOFT DRAWN BARE COPPER (SDBC). GROUNDING ELECTRODE CONDUCTORS (GEC) FOR C2-M4-40G TRANSFORMER, AND DRY-TYPE TRANSFORMERS SHALL BE #4/0 SDBC.
- 6. REFER TO DRAWING EX.X FOR GROUNDING SYSTEM DETAILS.
- 7. ALL GROUND RODS SHALL BE 3/4" x 10'-0" LONG COPPER CLAD STEEL.
- 8. ALL UNDERGROUND CONNECTIONS SHALL BE WELDED (EXOTHERMIC) CONNECTIONS, UNLESS OTHERWISE NOTED.
- 9. ALL STEEL COLUMN GROUNDING SHALL BE WELDED (EXOTHERMIC). AT A MINIMUM, ALTERNATING BUILDING COLUMNS SHALL BE GROUNDED TO MAIN GROUND GRID.
- 10. GROUND SYSTEMS SHALL NOT HAVE MORE THAN THE FOLLOWING GROUND RESISTANCE: EQUIPMENT RATED 500KVA AND LESS SHALL HAVE <10 OHMS. EQUIPMENT RATED 500 TO 1000KVA SHALL HAVE <5 OHMS. EQUIPMENT RATED MORE THAN 1000KVA SHALL HAVE <2 OHMS. POWER DISTRIBUTION UNITS OR PANELBOARDS SERVING ELECTRONIC EQUIPMENT <2 OHMS. SUBSTATIONS, SUBSTATION MANHOLES, AND PAD-MOUNTED SWITCHING EQUIPMENT <1 OHMS. MANHOLE GROUNDS <10 OHMS.

TO ACHIEVE THIS RESISTANCE, CONTRACTOR SHALL TEST AND PROVIDE TESTING REPORTS. CONTRACTOR SHALL CONTACT POS ENGINEER FOR HELP WITH RESOLUTION IF RESISTANCE DURING TESTING EXCEEDS THE SPECIFIED RESISTANCE.
- 11. EQUIPMENT GROUNDING SHALL BE BOLTED CONNECTION FOR EASE OF REMOVAL.
- 12. ALL GROUNDING RISERS SHALL HAVE A 1" PVC CONDUIT SLEEVE WHEN PENETRATING CONCRETE FOUNDATIONS OR FINISHED FLOORS.
- 13. ALL GROUNDING RISERS (PIGTAILS) SHALL HAVE A MINIMUM OF 6' COILED ABOVE FINISHED GRADE TO ENSURE ADEQUATE LENGTH FOR FINAL TERMINATION.
- 14. ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), PORT OF SEATTLE, AND ANY STATE AND LOCAL CODES.
- 15. GROUNDING RING AND GROUND RODS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AT THE TIME OF INSTALLATION.
- 16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO ROUGH IN.
- 17. CONTRACTOR SHALL PRIME AND REPAINT ALL STRUCTURAL SURFACES THAT HAVE BEEN DRILLED OR WELDED.
- 18. INSTALLATION OF THE GROUNDING SYSTEM SHALL BE COORDINATED WITH THE INSTALLATION WORK OF ALL DISCIPLINES IN THE PROJECT. UTILIZE THE EQUIPMENT MANUFACTURER'S DRAWINGS TO DETERMINE THE GROUND CONNECTION LOCATIONS.
- 19. SEAL ALL FLOOR PENETRATIONS WITH GROUT AFTER INSERTING GROUND CABLE.
- 20. ALL RECEPTACLES WILL BE INSTALLED 18" AFF UNLESS OTHERWISE NOTED.
- 21. ALL EXTERIOR DOORS AND INTERIOR ACCESS CONTROLLED DOORS NEED DOOR CONTACT ROUTED TO TOP CORNER OF DOOR FRAME.



FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



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LEGEND

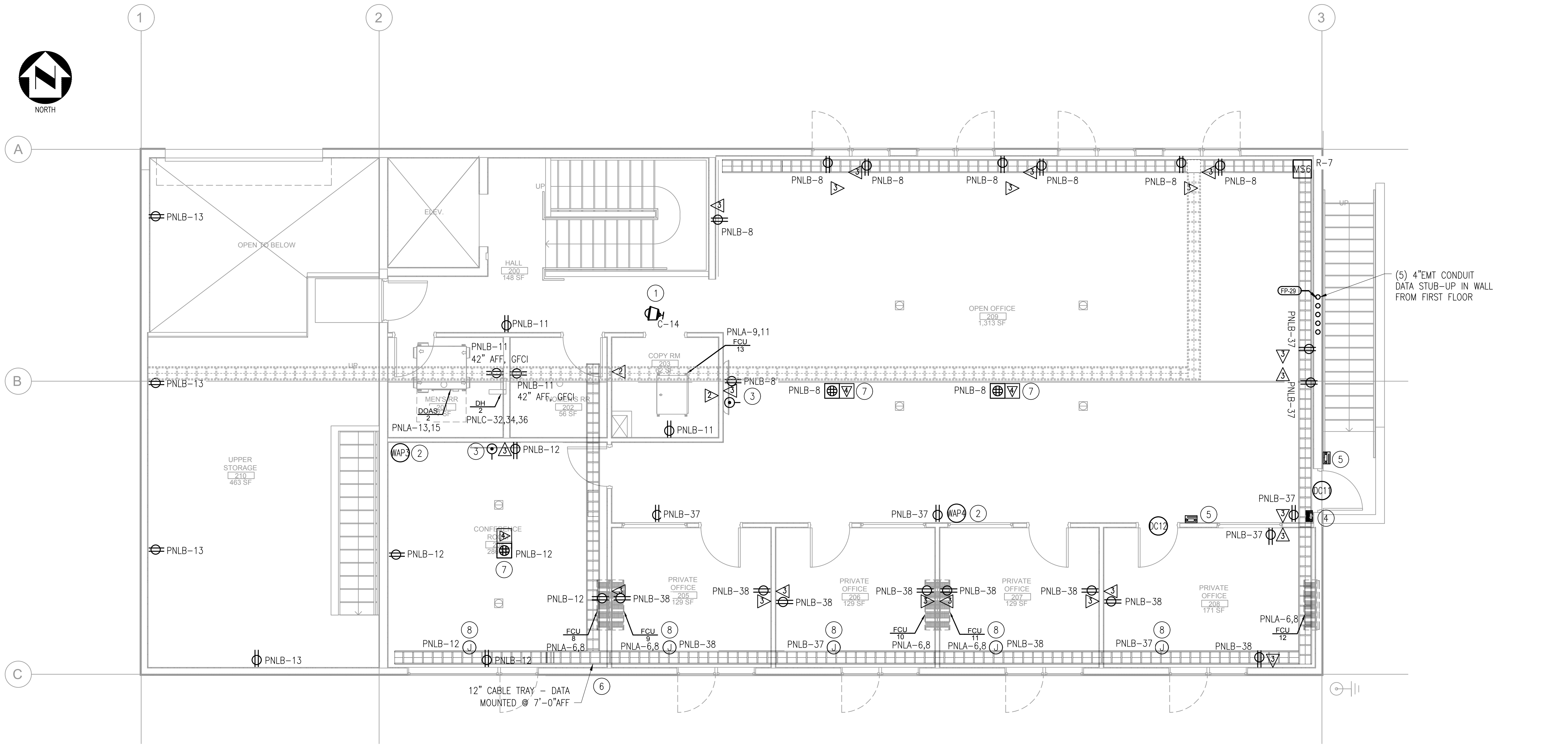
REFER TO SHEET E1.0 FOR PROJECT SYMBOLS AND NOTES.

KEYED NOTES

- 1 INTERIOR CAMERAS WILL BE CEILING MOUNTED WITH RECESSED SINGLE GANG J-BOX.
 - 2 WIRELESS ACCESS POINTS (WAPS) WILL NEED DATA DROPS ROUTED TO J-BOX ON WALL -6" FROM FINISHED CEILING, BUT NO HIGHER THAN 12" AFF.
 - 3 THE DATA/COAX/ELECTRICAL OUTLETS SHOULD BE INSTALLED ON WALL +72" AFF.
 - 4 ALARM ARMING STATION CABLES SHOULD BE ROUTED TO SINGLE GANG J-BOX AT +54" AFF.
 - 5 PROVIDE ACCESS CONTROL BADGE READER AT 48" AFF.
 - 6 PROVIDE 6" VERTICAL CABLE TRAY FROM FIRST FLOOR.
- PROVIDE FLOOR MOUNTED BOX FOR WOOD FRAME CONSTRUCTION WITH DUPLEX RECEPTACLE AND 4-PORT DATA OUTLET.
- INSTALL JUNCTION BOX FOR POWER WINDOWS.

GENERAL NOTES

- 1. ALL CONDUIT ROUTING DIAGRAMMATIC. ELECTRICAL CONTRACTOR SHALL DETERMINE THE BEST ROUTING PATH AND CIRCUIT COMBINATIONS BASED ON FIELD CONDITIONS AND ELECTRICAL CODES.
- 2. CONDUIT ROUTING TO RECEPTACLES IS NOT SHOWN. CONTRACTOR SHALL USE BEST ROUTING PRACTICES TO AVOID OBSTRUCTIONS AND INTERFERENCE WITH OTHER EQUIPMENT.
- 3. CONDUCTOR AND CONDUIT SIZING SHALL BE AS PER NEC.
- 4. EQUIPMENT LOCATIONS AND ARRANGEMENT ARE SCHEMATIC. CONTRACTOR SHALL COORDINATE WITH EQUIPMENT MANUFACTURER FOR DETAILED CONNECTION REQUIREMENTS AND PROVIDE MATERIALS AND INSTALLATION FOR A COMPLETE AND OPERATIONAL SYSTEM.
- 5. ALL RECEPTACLES WILL BE INSTALLED 18" AFF UNLESS OTHERWISE NOTED.
- 6. ALL EXTERIOR DOORS AND INTERIOR ACCESS CONTROLLED DOORS NEED DOOR CONTACT ROUTED TO TOP CORNER OF DOOR FRAME.

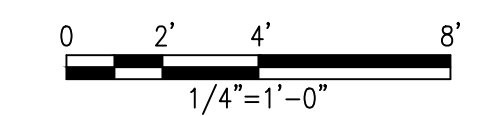


(5) 4" EMT CONDUIT DATA STUB-UP IN WALL FROM FIRST FLOOR

12" CABLE TRAY - DATA MOUNTED @ 7'-0" AFF

SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

1
E3.1



03/21/24

ISSUE LIST

NO.	DESCRIPTION
1	BID ISSUE

PROJECT NO.: 0070800.01
PROJECT MGR.: M. AZEEM
DRAWN BY: R. PINLAC
CHECKED BY: J. NORTON

**ELECTRICAL
SECOND FLOOR
POWER PLAN**

E3.1



LEGEND

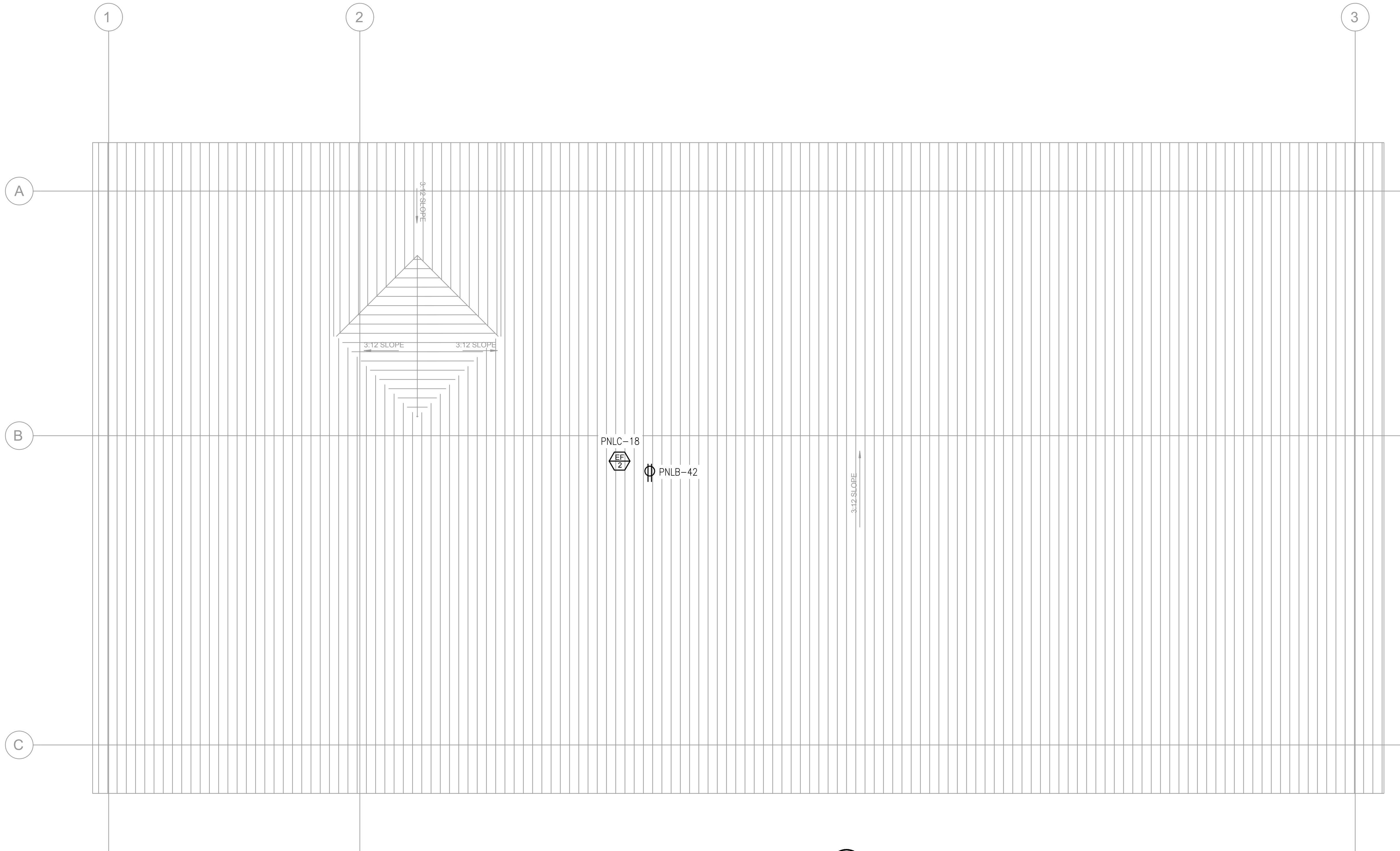
REFER TO SHEET E1.0 FOR PROJECT SYMBOLS AND NOTES.

GENERAL NOTES

- ALL CONDUIT ROUTING IS NOT SHOWN. ELECTRICAL CONTRACTOR SHALL DETERMINE THE BEST ROUTING PATH AND CIRCUIT COMBINATIONS BASED ON FIELD CONDITIONS AND ELECTRICAL CODES.
- CONDUCTOR AND CONDUIT SIZING SHALL BE AS PER NEC.
- EQUIPMENT LOCATIONS AND ARRANGEMENT ARE SCHEMATIC. CONTRACTOR SHALL COORDINATE WITH EQUIPMENT MANUFACTURER FOR DETAILED CONNECTION REQUIREMENTS AND PROVIDE MATERIALS AND INSTALLATION FOR A COMPLETE AND OPERATIONAL SYSTEM.

KEYED NOTES

- NOT USED.



ROOF PLAN
SCALE: 1/4" = 1'-0" 1
E3.2

TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271

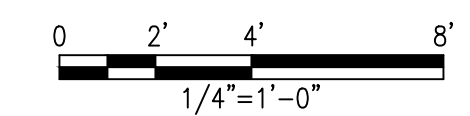


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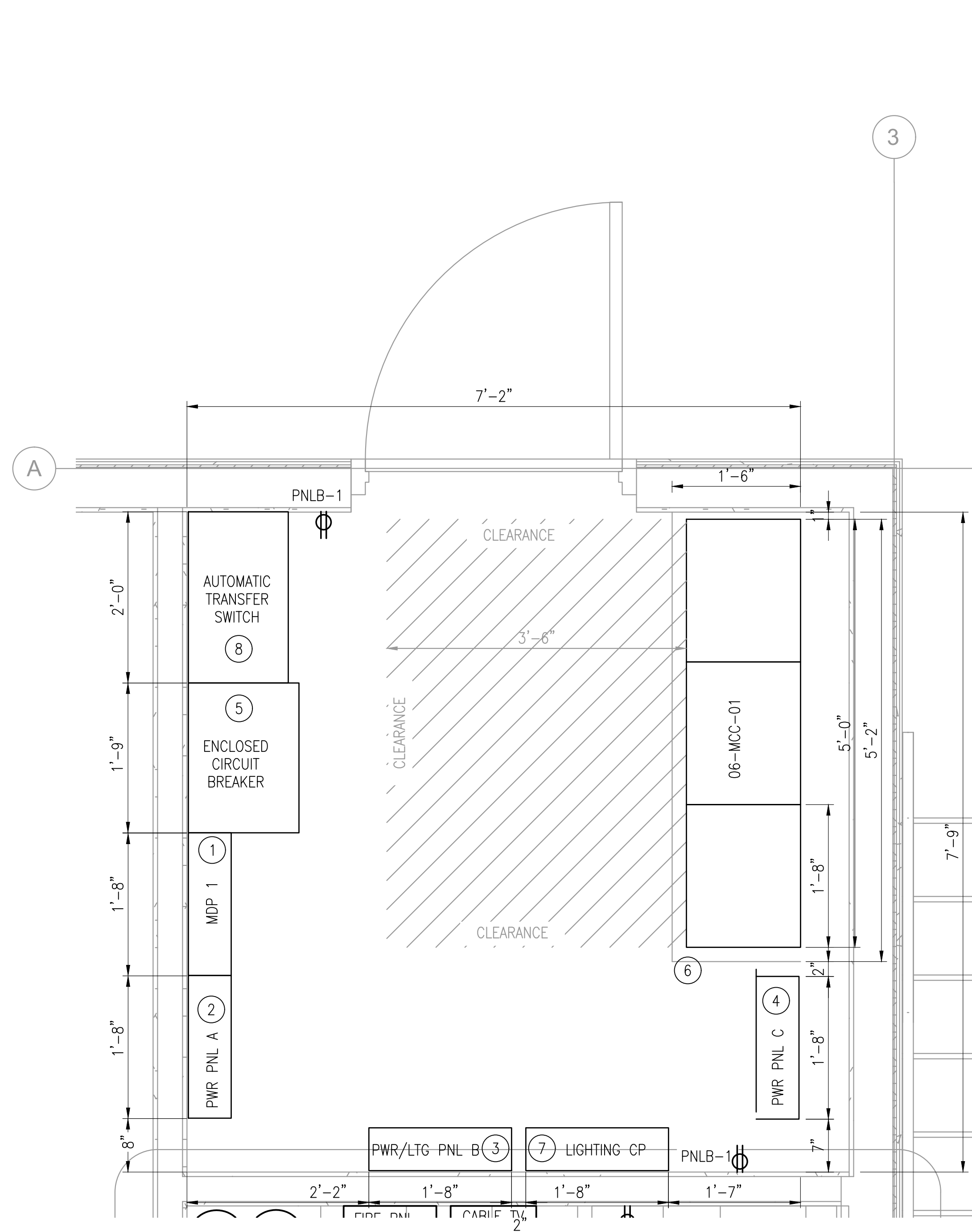
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PROJECT NO.: 0070800.01
PROJECT MGR.: M. AZEEM
DRAWN BY: R. PINLAC
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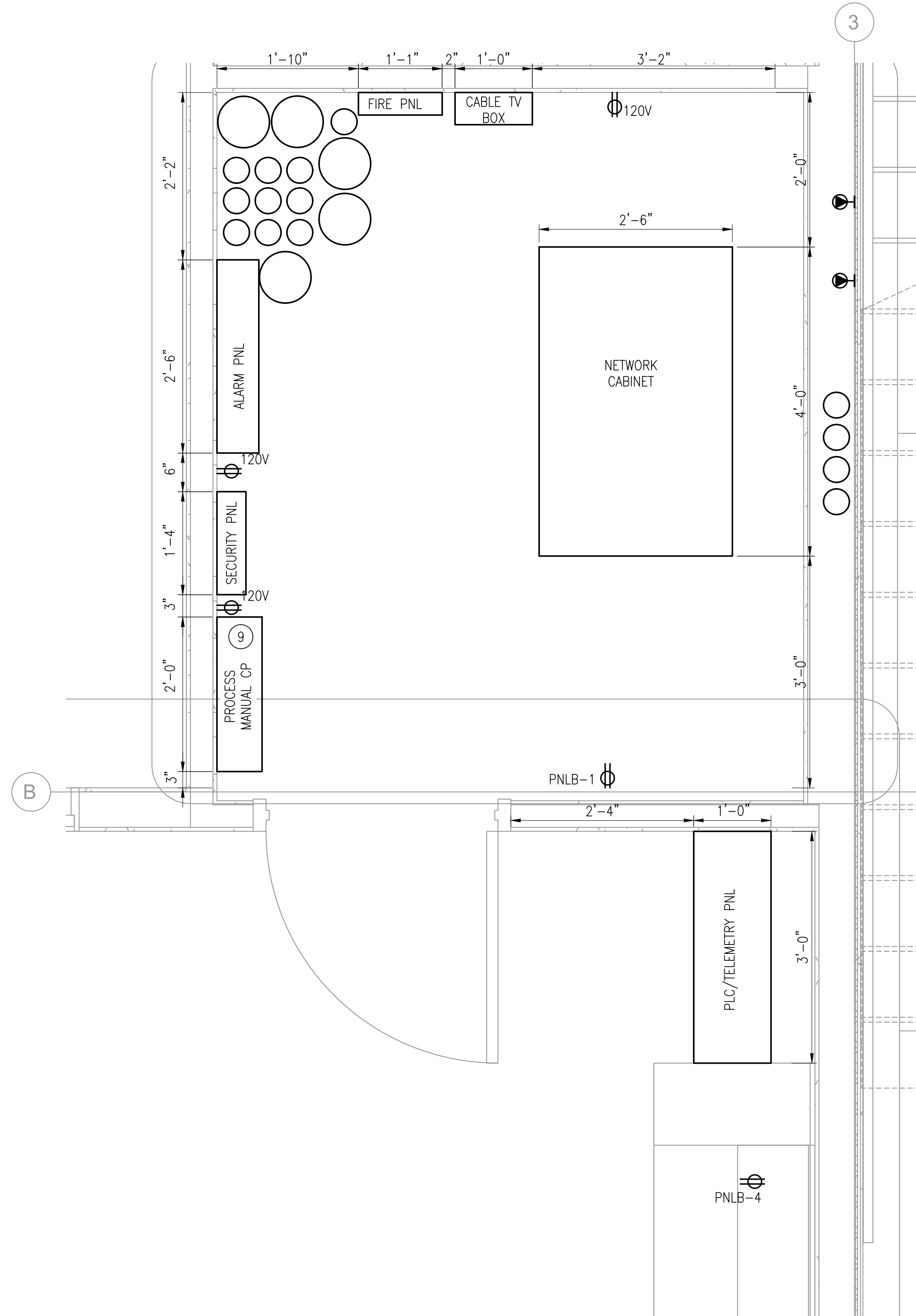


1/4" = 1'-0"



ELECTRICAL ROOM - 038
ENLARGED PLAN
SCALE: 1" = 1'-0"

2
E3.0



DATA - 039, LABORATORY - 036
ENLARGED PLAN
SCALE: 1" = 1'-0"

3
E3.0

LEGEND

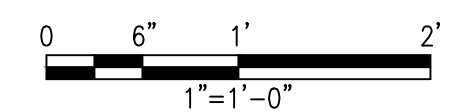
REFER TO SHEET E1.0 FOR PROJECT SYMBOLS AND NOTES.

GENERAL NOTES

- CONTRACTOR SHALL VERIFY DIMENSIONS OF ALL ELECTRICAL EQUIPMENT PRIOR TO INSTALLATION. REARRANGE EQUIPMENT IN SPACE AS REQUIRED.

CONSTRUCTION NOTES

- MAIN DISTRIBUTION PANEL (MDP 1). 800A, 240D/120V, 3Ø, 4W, 65KAIC, NEMA 1, EATON PART NO. PRL4X OR APPROVED EQUAL.
- PWR PANELBOARD (PNL A). 100A, 3Ø 240D/120V, 4W, 65KAIC, NEMA 1, EATON PART NO. PRL1X OR APPROVED EQUAL.
- PWR/LTG PANELBOARD (PNL B). 100A, 3Ø 240D/120V, 4W, 65KAIC, NEMA 1, EATON PART NO. PRL1X OR APPROVED EQUAL.
- PWR PANELBOARD (PNL C). 100A, 3Ø 240D/120V, 4W, 65KAIC, NEMA 1, EATON PART NO. PRL1X OR APPROVED EQUAL.
- PROVIDE 800A MOLDED CASE CIRCUIT BREAKER ON SOURCE SIDE OF ATS. EATON NEMA 1 ENCLOSED CIRCUIT BREAKER CAT. NO. SNDN1200 OR EQUAL.
- PROVIDE HOUSEKEEPING PAD (62"x30"x4") AND RELOCATE EXISTING 3-SECTION MCC FROM LAB TO MAIN UTILITY BUILDING.
- LTG CTRL PANELBOARD (LCP). 100A, 3Ø 208Y/120V, 3Ø, 4W, 22KAIC, NEMA 1, POW-R-COMMAND, EATON PART NO. PRC750ECCD-120 OR APPROVED EQUAL.
- PROVIDE AUTOMATIC TRANSFER SWITCH, 800A, 4W, 65KAIC, NEMA 1, GE ZENITH ZTS TRANSFER SWITCH.
- RELOCATE EXISTING PROCESS MANUAL CONTROL PANEL FROM LAB BUILDING TO DATA ROOM 039.



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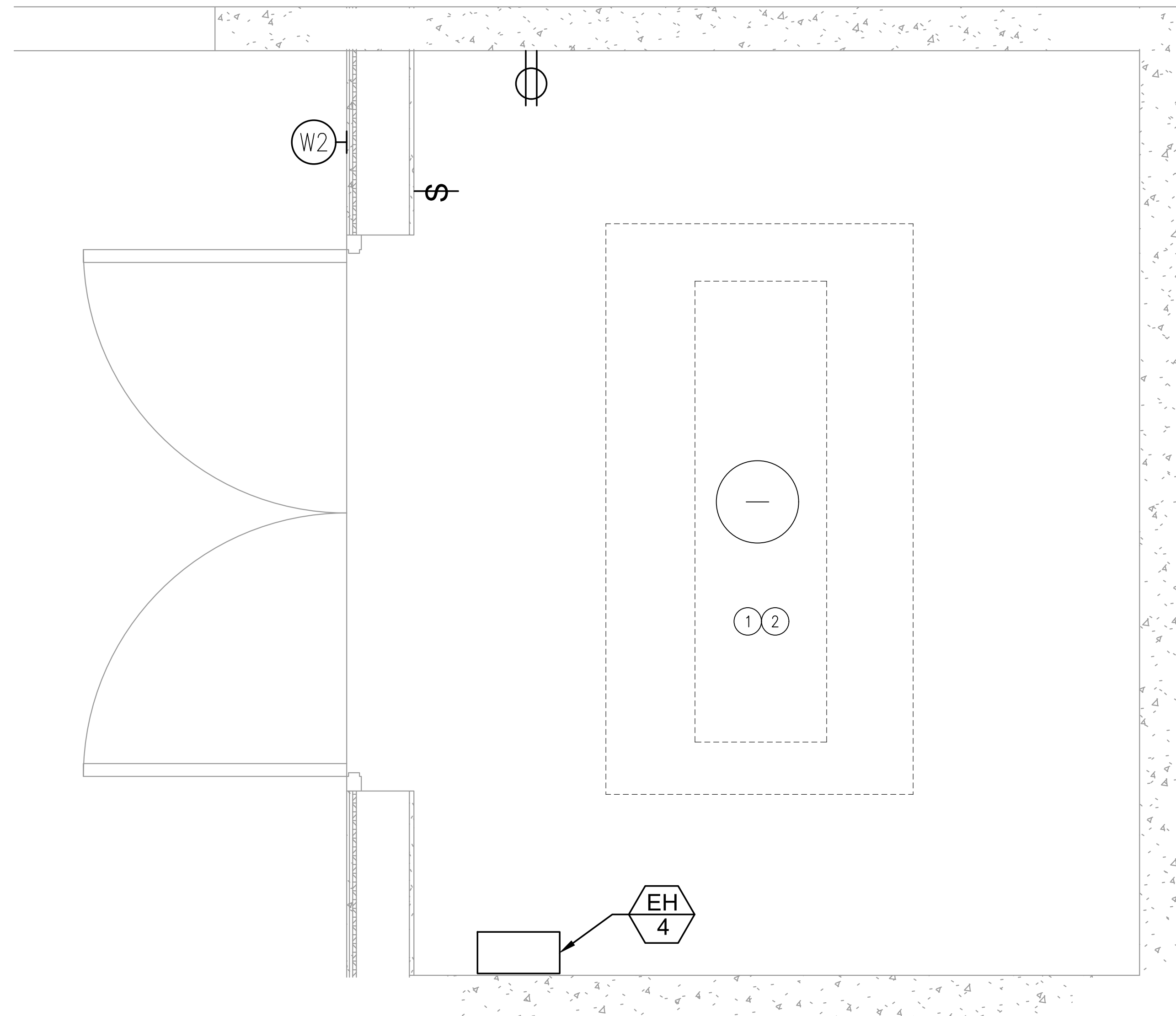
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ELECTRICAL ROOM ENLARGED PLAN

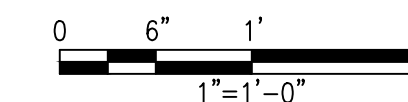
E3.3



PUMP ROOM PLAN - ELECTRICAL

SCALE: 1" = 1'-0"

1
A2.00



LEGEND

REFER TO SHEET E1.0 FOR PROJECT SYMBOLS AND NOTES.

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY DIMENSIONS OF ALL ELECTRICAL EQUIPMENT PRIOR TO INSTALLATION. REARRANGE EQUIPMENT IN SPACE AS REQUIRED.
2. SEE ARCHITECTURAL SITE PLAN FOR ROOM LOCATION.

CONSTRUCTION NOTES

- ① THE HEATER, RECEPTACLE AND LIGHTING CIRCUIT WILL BE FED FROM PANEL A IN NEW ELECTRICAL ROOM.
- ② THE PRESSURE WATER EQUIPMENT WILL BE FED FROM RELOCATED EXISTING MCC IN NEW ELECTRICAL ROOM.

BID ISSUE



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3015 MISSION BEACH ROAD
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CHECKED BY: J. NORTON

ELECTRICAL PUMP
ROOM - ENLARGED
PLAN

FIRST FLOOR LIGHTING FIXTURE SCHEDULE

ID	DESCRIPTION	QTY	VOLTAGE	VA	MOUNTING	LUMENS	LED COLOR TEMP	MANUFACTURER/CAT. NO.	NOTES
(W1)	WALL MOUNTED - LED VANITY FIXTURE	2	120-277 VAC	39	SURFACE/WALL	2400	3000K	LINEA LIGHTING/LL-SC1042/LL-SC1043/LL-SC1044	
(W2)	WALL MOUNTED EXTERNAL LED FIXTURE	8	120-277 VAC	27	SURFACE/WALL	2400	3000K	AFX DEXTER LED OUTDOOR SCONCE/DEXW SERIES	-
(-)	4' LED LINEAR FIXTURE	9	120-277 VAC	49	PENDANT	4800	4000K	ECOSENSE OXYGEN 31	-
(T1)	2'X4' LED RECESSED DIRECT\INDIRECT	2	120-277 VAC	50	SURFACE	5705	3500K	CORONET /DCW LED-2X4-LTGI-COLOR-90CRI	-
(P1)	PENDANT LIGHT	1	120-277 VAC	39	PENDANT	-	4000K	VISUAL COMFORT & CO 700TDWDS LED 90 CRI 3000K 120V	-
(R1)	6" LED RECESSED DOWNLIGHT	6	120-277 VAC	-	SURFACE	-	2700K	NORA / NHMIC-685-LE* / NRM-611L-85-35-HZW	-
(EXIT)	LED EXIT SIGN	6	120-277 VAC	5	CEILING	-	LED	EXITRONIX S900 SERIES (PART NO. TBD)	-
(EXIT)	LED EXIT EGRESS SIGN	1	120-277 VAC	-	CEILING	410	4000K	DUAL LITE LED EXIT EGRESS SIGN (PART NO.)	EV EMERGENCY LIGHT, MOUNTING TYPE: WALL OR CEILING MOUNT, COLOR: WHITE, NUMBER OF LAMPS: 2, BATTERY TYPE: NICKEL METAL HYDRIDE (NIMH), BATTERY RUNTIME: 90 MIN, VOLTAGE RATING: 120/277 VAC, ENVIRONMENTAL CONDITIONS: DRY LOCATION
(OS2)	OCCUPANCY SENSORS	AS REQ'D	120VAC	-	SURFACE/WALL	-	-	SENSORSWITCH / AS REQ'D	LIGHTING CONTROL, SEE DRAWING NOTES
(W1)	4' LED LINEAR FIXTURE	4	120-277 VAC	50	SURFACE/WALL	-	3000K	CORONET/850WM-4 3000K/90 CRI	-

LEGEND

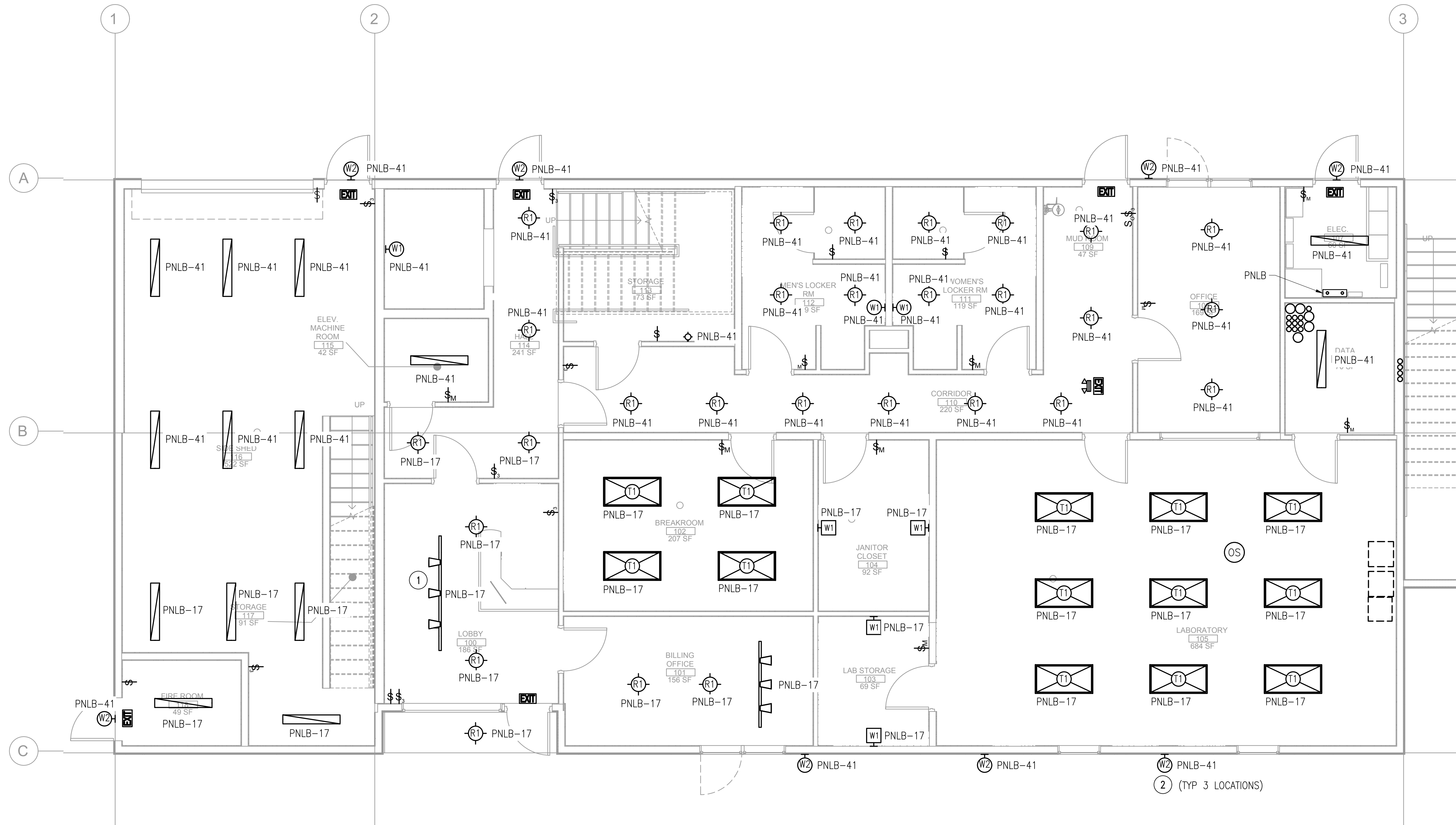
REFER TO SHEET E1.0 FOR PROJECT SYMBOLS AND NOTES.

GENERAL NOTES

- ALL CONDUIT ROUTING IS DIAGRAMMATIC. ELECTRICAL CONTRACTOR SHALL DETERMINE THE BEST ROUTING PATH AND CIRCUIT COMBINATIONS BASED ON FIELD CONDITIONS AND ELECTRICAL CODES.
- ALL NEW FEEDER AND BRANCH CIRCUIT CONDUCTORS TO BE TYPE THHN COPPER UNLESS OTHERWISE NOTED.
- ALL BRANCH CIRCUIT CONDUCTORS TO BE SIZED #12 AWG UNLESS OTHERWISE NOTED ON THE PLANS.
- INSTALL ALL STAIRWELL MOTION SENSORS FACING DIRECTION OF STAIRS.
- PAINT ALL CONDUIT AND DEVICE BOXES TO MATCH WALL AND CEILING COLORS.
- TOTAL CONNECTED LIGHTING LOADS (TOTAL FIXTURES CONNECTED TO A SINGLE CIRCUIT) SHALL NOT BE MORE THAN 16A FOR 20A CIRCUITS OR 12A FOR 15A CIRCUITS. SEE SHEET E5.0 FOR PANELBOARD SCHEDULES CIRCUIT ASSIGNMENTS.
- ALL EXTERIOR LIGHTS ARE EQUIPPED WITH PHOTOCCELL FOR COMING ON AT DUSK AND GOING OFF AT DAWN. INSTALL LIGHT SWITCH DIGITAL TIMERS CONTROLLING OUTSIDE LIGHTS TO TURN THE LIGHTS OFF AT 11:00 PM UNTIL 6:00 AM.
- ALL LIGHTING AND CONTROLS INSTALLED SHALL BE FUNCTIONALLY TESTED AND A WRITTEN REPORT INCLUDING THE RESULTS BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
- JUNCTION BOXES ARE NOT SHOWN. CONTRACTOR SHALL USE AS NEEDED IN ACCORDANCE WITH NEC 358.26.
- MULTIPLE SWITCHES AT ONE LOCATION SHALL BE GANGED TOGETHER AND COVERED FINISHED WITH ONE COVER PLATE U.N.O.
- WASHINGTON STATE NON-RESIDENTIAL ENERGY CODE INTERIOR LIGHTING SUMMARY ATTACHED SEPARATELY.
- NOTIFY ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, SPRINKLERS, HVAC, AND/OR EXISTING CONDUIT, PRIOR TO FRAMING FOR LIGHTS. ANY DISCREPANCIES BETWEEN ARCHITECTS PROPOSED CEILING GRID/PANEL LOCATIONS AND ACTUAL FIELD CONDITIONS ARE TO BE CLARIFIED WITH THE ARCHITECT PRIOR TO FRAMING.

KEYED NOTES

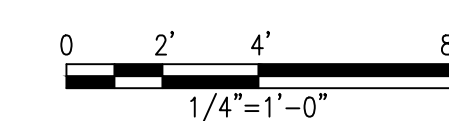
- CONTRACTOR SHALL INSTALL RECESSED CAN LIGHT FIXTURES IN 1 1/2" CEMENT UNDERLAYMENT SLAB BETWEEN 1ST AND 2ND FLOOR.
- FOR EXTERIOR LIGHTING FIXTURES ELEVATION HEIGHT REFER TO SHEET A4.00.



FIRST FLOOR LIGHTING PLAN

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

1
E4.0



BID ISSUE



TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271



03/21/24

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PROJECT MGR.: M. AZEEM
DRAWN BY: R. PINLAC
CHECKED BY: J. NORTON

ELECTRICAL FIRST FLOOR LIGHTING PLAN

E4.0

SECOND FLOOR LIGHTING FIXTURE SCHEDULE

ID	DESCRIPTION	QTY	VOLTAGE	VA	MOUNTING	LUMENS	LED COLOR TEMP	MANUFACTURER/CAT. NO.	NOTES
	WALL MOUNTED - LED VANITY FIXTURE	2	120-277 VAC	39	SURFACE/WALL	2400	3000K	LINEA LIGHTING/LL-SC1042/LL-SC1043/LL-SC1044	
	WALL MOUNTED EXTERNAL LED FIXTURE	1	120-277 VAC	27	SURFACE/WALL	2400	3000K	AFX DEXTER LED OUTDOOR SCONCE/DEXW SERIES	-
	4' LED LINEAR FIXTURE	9	120-277 VAC	49	PENDANT	4800	4000K	ECOSENSE OXYGEN 31	-
	2'X4' LED RECESSED DIRECT\INDIRECT	2	120-277 VAC	50	SURFACE	5705	3500K	CORONET /TDCW LED-2X4-LTGI-COLOR-90CRI	-
	PENDANT LIGHT	1	120-277 VAC	39	PENDANT	550	4000K	VISUAL COMFORT & CO 700TDWDS LED 90 CRI 3000K 120V	-
	6" LED RECESSED DOWNLIGHT	6	120-277 VAC	32	SURFACE	2000	2700K	NORA / NHMIC-685-LE4* / NRM-611L-85-35-HZW	-
	LED EXIT SIGN	2	120-277 VAC	5	CEILING	-	LED	EXITRONIX S900 SERIES (PART NO. TBD)	-
	LED EXIT EGRESS SIGN	-	120-277 VAC	-	CEILING	410	4000K	DUAL LITE LED EXIT EGRESS SIGN (PART NO.)	EV EMERGENCY LIGHT, MOUNTING TYPE: WALL OR CEILING MOUNT, COLOR: WHITE, NUMBER OF LAMPS: 2, BATTERY TYPE: NICKEL METAL HYDRIDE (NIMH), BATTERY RUNTIME: 90 MIN, VOLTAGE RATING: 120/277 VAC, ENVIRONMENTAL CONDITIONS: DRY LOCATION
	OCCUPANCY SENSORS	AS REQ'D	120 VAC	-	SURFACE/WALL	-	-	SENSORSWITCH / AS REQ'D	LIGHTING CONTROL, SEE DRAWING NOTES
	CANOPY LIGHT	1	120 VAC	94	SURFACE/JB	5000/7500/10,000	3K/4K/5K	LITHONIA LED ALO SWW2 UVOLT PE PIR DOB M2 (Dark Bronze)	3 POWER LEVELS, OCCUPANCY SENSOR, SWITCHABLE CCT

LEGEND

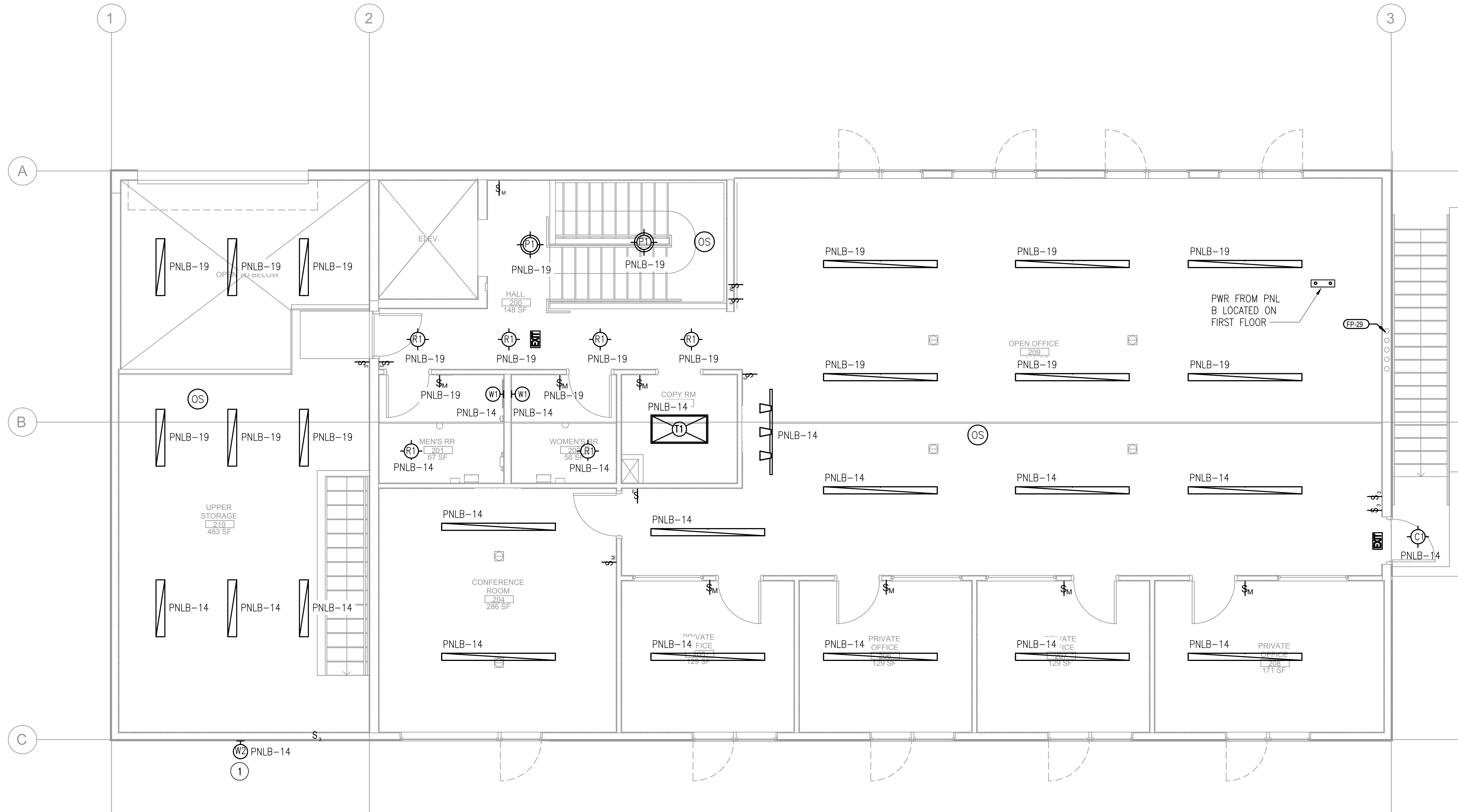
REFER TO SHEET E1.0 FOR PROJECT SYMBOLS AND NOTES.

GENERAL NOTES

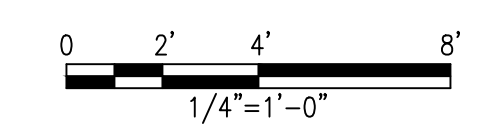
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- ALL NEW FEEDER AND BRANCH CIRCUIT CONDUCTORS TO BE TYPE THHN COPPER UNLESS OTHERWISE NOTED.
- ALL BRANCH CIRCUIT CONDUCTORS TO BE SIZED #12 AWG UNLESS OTHERWISE NOTED ON THE PLANS.
- INSTALL ALL STAIRWELL MOTION SENSORS FACING DIRECTION OF STAIRS.
- PAINT ALL CONDUIT AND DEVICE BOXES TO MATCH WALL AND CEILING COLORS.
- TOTAL CONNECTED LIGHTING LOADS (TOTAL FIXTURES CONNECTED TO A SINGLE CIRCUIT) SHALL NOT BE MORE THAN 16A FOR 20A CIRCUITS OR 12A FOR 15A CIRCUITS. SEE SHEET E5.0 FOR PANELBOARD SCHEDULES CIRCUIT ASSIGNMENTS.
- ALL EXTERIOR LIGHTS ARE EQUIPPED WITH PHOTOCCELL FOR COMING ON AT DUSK AND GOING OFF AT DAWN. INSTALL LIGHT SWITCH DIGITAL TIMERS CONTROLLING OUTSIDE LIGHTS TO TURN THE LIGHTS OFF AT 11:00 PM UNTIL 6:00 AM.
- ALL LIGHTING AND CONTROLS INSTALLED SHALL BE FUNCTIONALLY TESTED AND A WRITTEN REPORT INCLUDING THE RESULTS BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
- JUNCTION BOXES ARE NOT SHOWN. CONTRACTOR SHALL USE AS NEEDED IN ACCORDANCE WITH NEC 358.26.
- MULTIPLE SWITCHES AT ONE LOCATION SHALL BE GANGED TOGETHER AND COVERED FINISHED WITH ONE COVER PLATE U.N.O.
- WASHINGTON STATE NON-RESIDENTIAL ENERGY CODE INTERIOR LIGHTING SUMMARY ATTACHED SEPARATELY.
- NOTIFY ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, SPRINKLERS, HVAC, AND/OR EXISTING CONDUIT, PRIOR TO FRAMING FOR LIGHTS. ANY DISCREPANCIES BETWEEN ARCHITECTS PROPOSED CEILING GRID/PANEL LOCATIONS AND ACTUAL FIELD CONDITIONS ARE TO BE CLARIFIED WITH THE ARCHITECT PRIOR TO FRAMING.

KEYED NOTES

- FOR EXTERIOR LIGHTING FIXTURES ELEVATION HEIGHT REFER TO SHEET A4.00.



SECOND FLOOR LIGHTING PLAN 1
SCALE: 1/4" = 1'-0" (E4.1)



BID ISSUE



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PROJECT NO.: 0070800.01
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CHECKED BY: J. NORTON

**ELECTRICAL
SECOND FLOOR
LIGHTING PLAN**

EXISTING MCC SCHEDULE (06 MCC 01) ①						
Section	Cell	Destination	Poles	Plug Rating	Cable size	Remarks
1F	G	MFR Influent Fine Screen Control Panel	3	20A	(4) # 12 AWG	
1F	J	Emergency Power Panel 240/120V, 3P 06 BKR 01	3	100A	n/a	
2F	C	Brush Rotor No. 1 Motor 02 MS 01	3	70A	(4) #6 AWG	15HP ②
2F	F	Brush Rotor No. 2 Motor 02 MS 02	3	70A	(4) #6 AWG	15HP ②
2F	J	Clarifier No. 1 Motor 03 MS 01	3	7A	(4) #12 AWG	0.5HP ②
2F	M	Clarifier No. 2 Motor 03 MS 02	3	7A	(4) #12 AWG	0.5HP ②
3F	C	Lighting Panel 240/120V, 3P 06 BKR 02	3	200A	n/a	
3F	E	Air Gap Panel 06 BKR 01	3	100A	(4) # 2 AWG	
3F	K	Panel Board 240/120V, 3P, 100A, 30CKT 06 PB 03	3		n/a	Internal panel
		Add construction note on this drawing				
		Contractor to check consultant all cable sizes as per cable routing at site.				

EXISTING MCC SCHEDULE
SCALE: NO SCALE

LEGEND

NOT USED

GENERAL NOTES

1. NOT USED.

KEYED NOTES

- ① REFER TO SHEET E2.0 FOR SINGLE LINE DIAGRAM. SEE 06 MCC 01 PANEL KEYED NOTES.
- ② THE ESTIMATED LENGTHS OF CABLES IS AROUND 350 FEET. CONTRACTOR TO CONFIRM AT SITE.

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TULALIP TRIBES - UTILITY BUILDING
3015 MISSION BEACH ROAD
TULALIP, WA 98271



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