

LIFT STATION GENERATOR ENCLOSURE

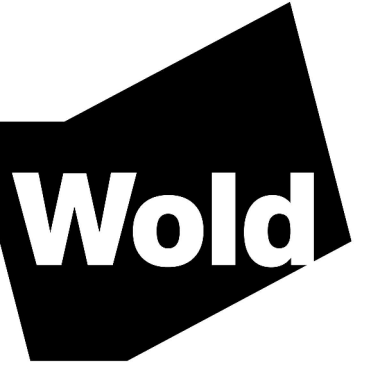
CITY OF WRANGELL

WRANGELL, ALASKA

LIFT STATION GENERATOR ENCLOSURE

Wood St.,
Wrangell, AK 99929

City of Wrangell
Wood St, Wrangell, AK 99929



WOLD ARCHITECTS AND ENGINEERS

332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldae.com | 651.227.7773

PSM CONSULTING ENGINEERS, INC.
2200 SIXTH AVENUE, SUITE 601
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P: 206.622.4580
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CIVIL

C300 SITE PLAN

ARCHITECTURAL

A2.00b MAIN LEVEL DEMOLITION PLAN, FLOOR PLAN & ELEVATIONS
A5.201 WALL SECTIONS, TYPES AND DETAILS

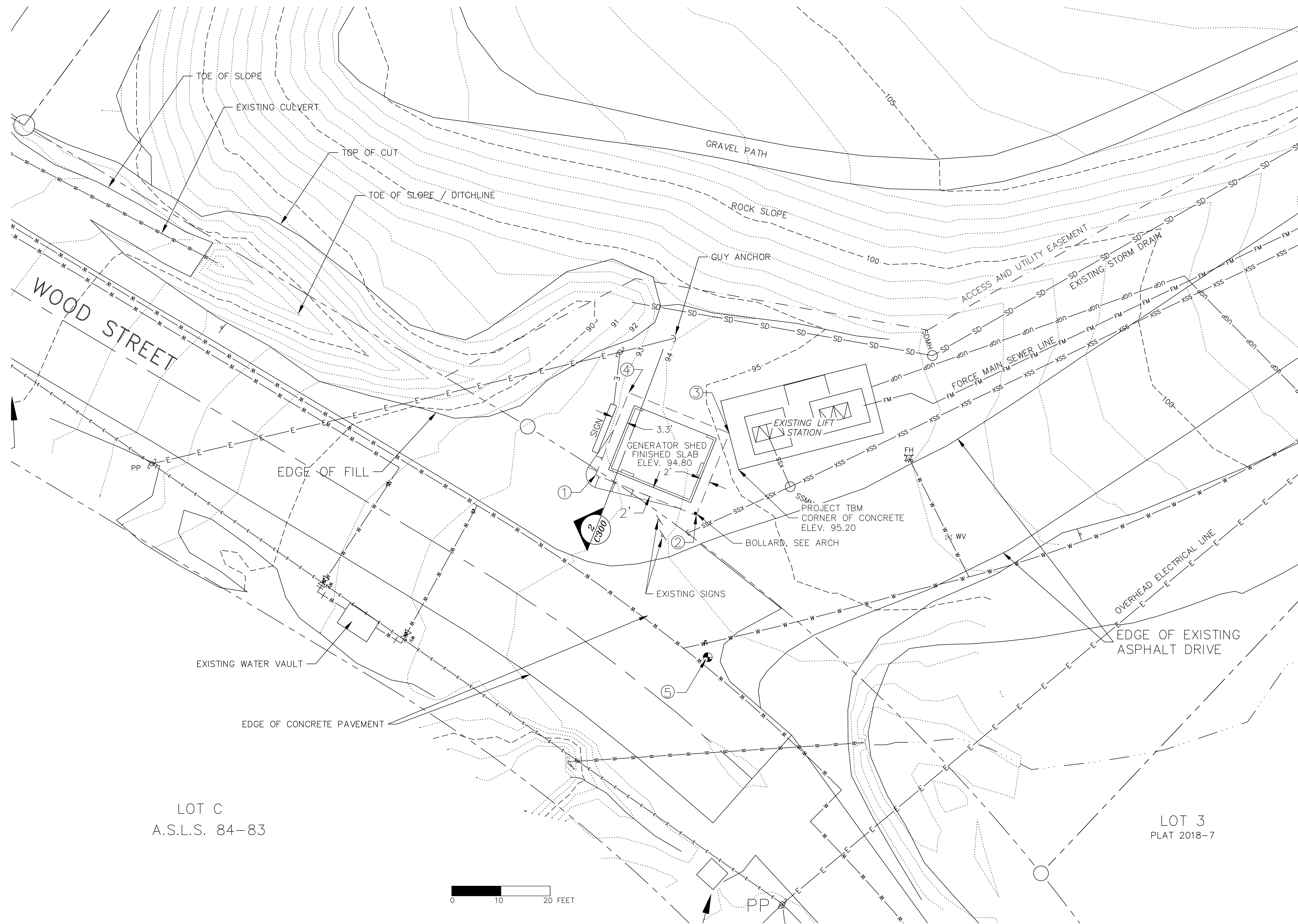
STRUCTURAL

S1.0 GENERAL NOTES AND SPECIAL INSTRUCTIONS
S2.0 FOUNDATION PLAN AND ROOF FRAMING PLAN
S3.0 TYPICAL DETAILS AND SECTIONS

ELECTRICAL

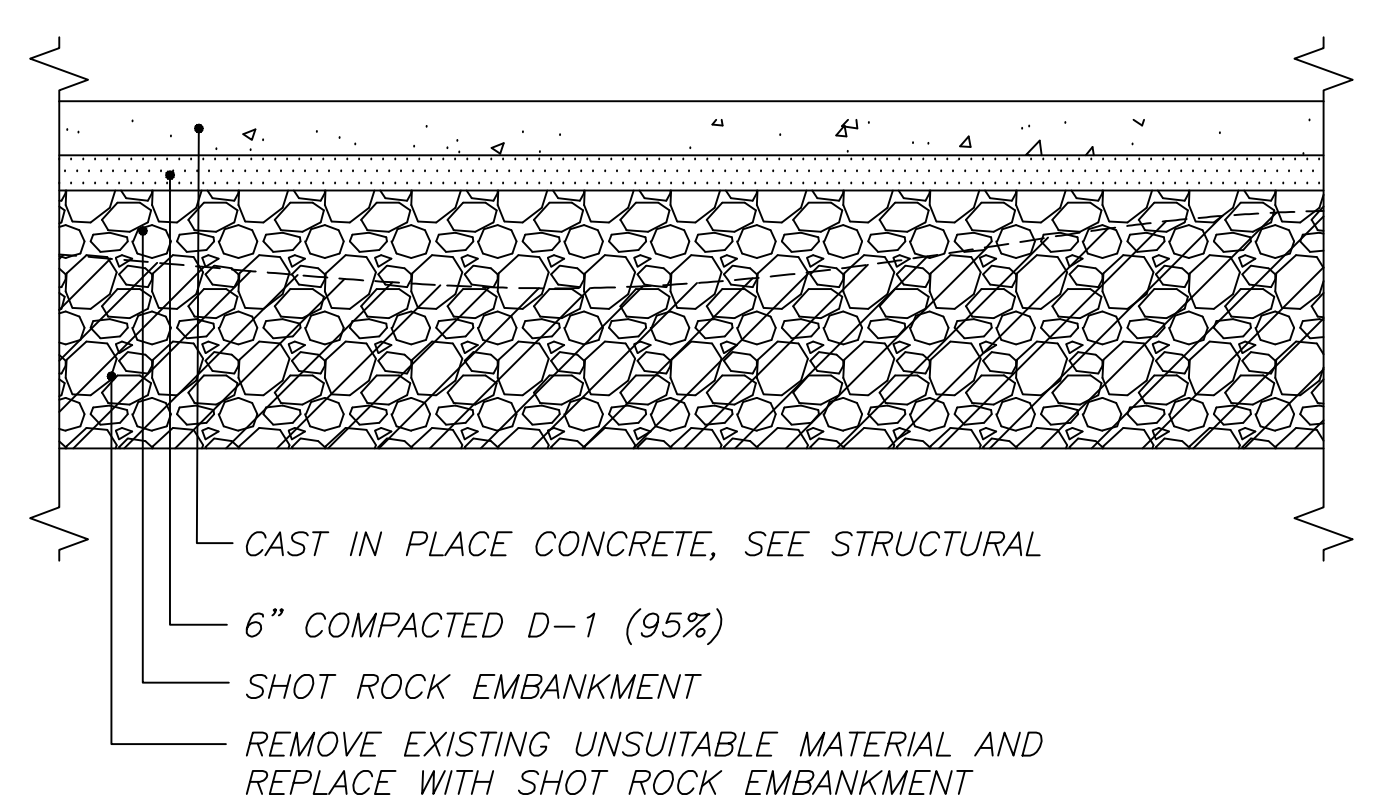
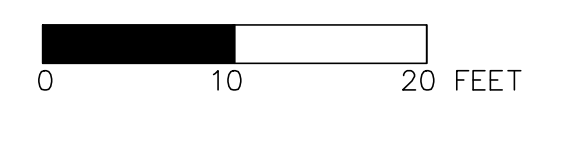
E0.00 ELECTRICAL TITLE SHEET
E8.00 ELECTRICAL SYMBOL AND ABBREVIATIONS
E8.01 ELECTRICAL DETAILS

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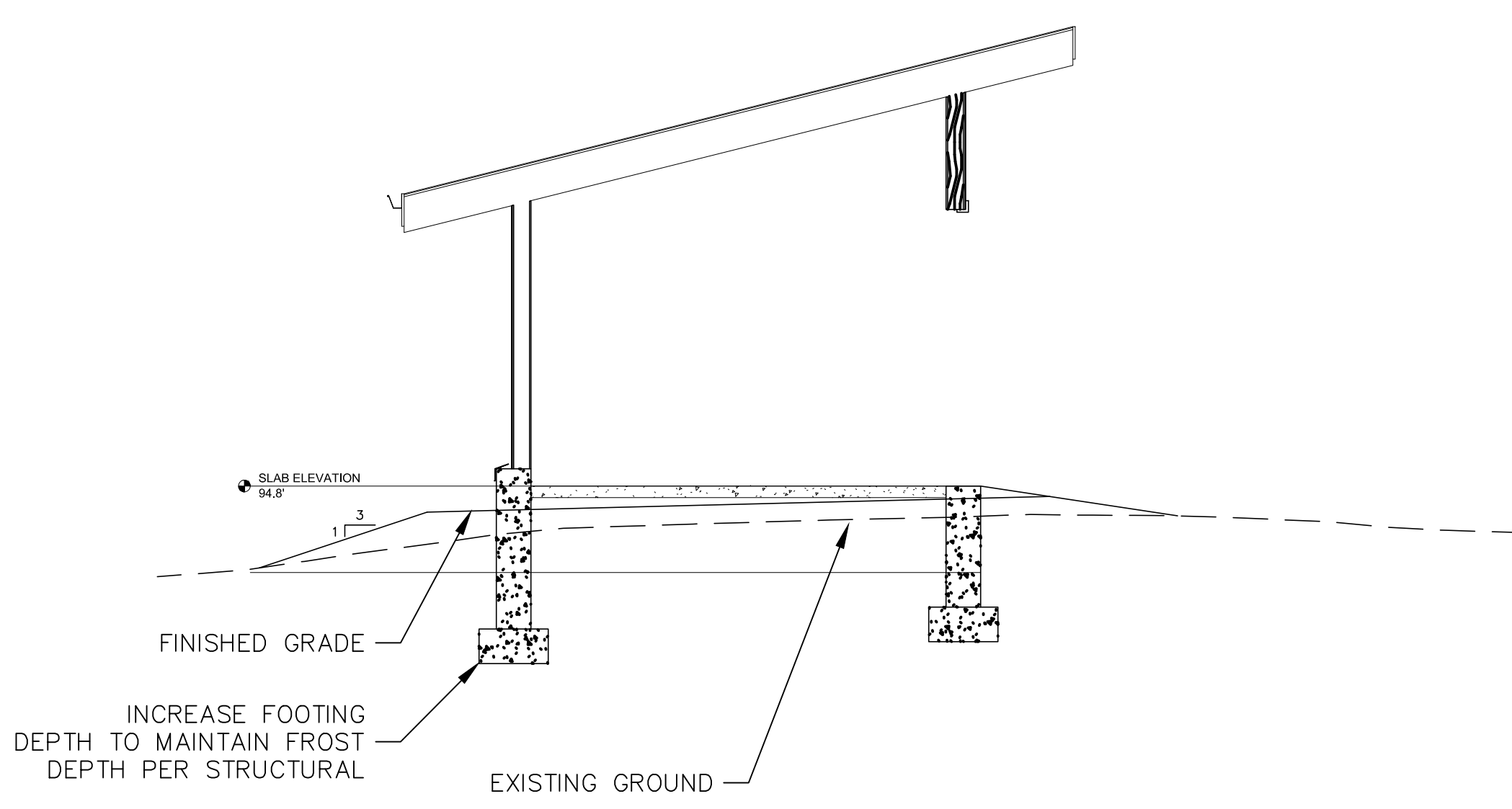


LOT C
A.S.L.S. 84-83

LOT 3
PLAT 2018-7



1 TYPICAL BUILDING PAD SECTION NOT TO SCALE
C300



2 TYPICAL BUILDING PAD SECTION NOT TO SCALE
C300

Survey Control				
Point	Northing	Easting	Elev.	Description
1	116628.71	44936.83	94.0	Pad Grade
2	116620.51	44957.24	94.0	Pad Grade
3	116637.21	44963.96	94.6	Pad Grade
4	116645.42	44943.54	94.6	Pad Grade
5	116591.64	44959.58	93.67	3.25 ALUM CAP
6	116751.33	45182.67	111.11	SET SPIKE IN CONC

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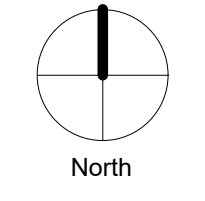
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ENGINEERS GEOLOGISTS SURVEYORS
7180 REVILLA ROAD #300
KETCHIKAN, AK 99901
907-225-7917

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed CIVIL ENGINEER under the laws of the State of ALASKA

Trevor Sande
License Number: CE 9778 Date: 1/24/2022

Description	Revisions	
	Date	Num

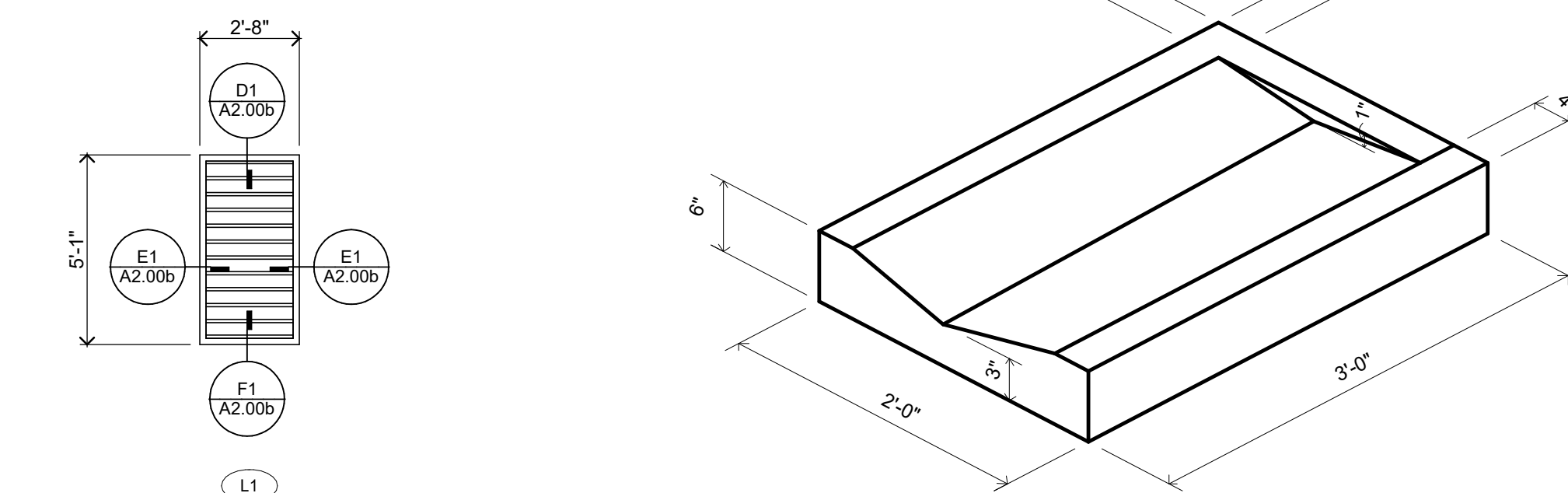
Comm: _____
Date: JAN 2022
Drawn: TSS
Check: TSS



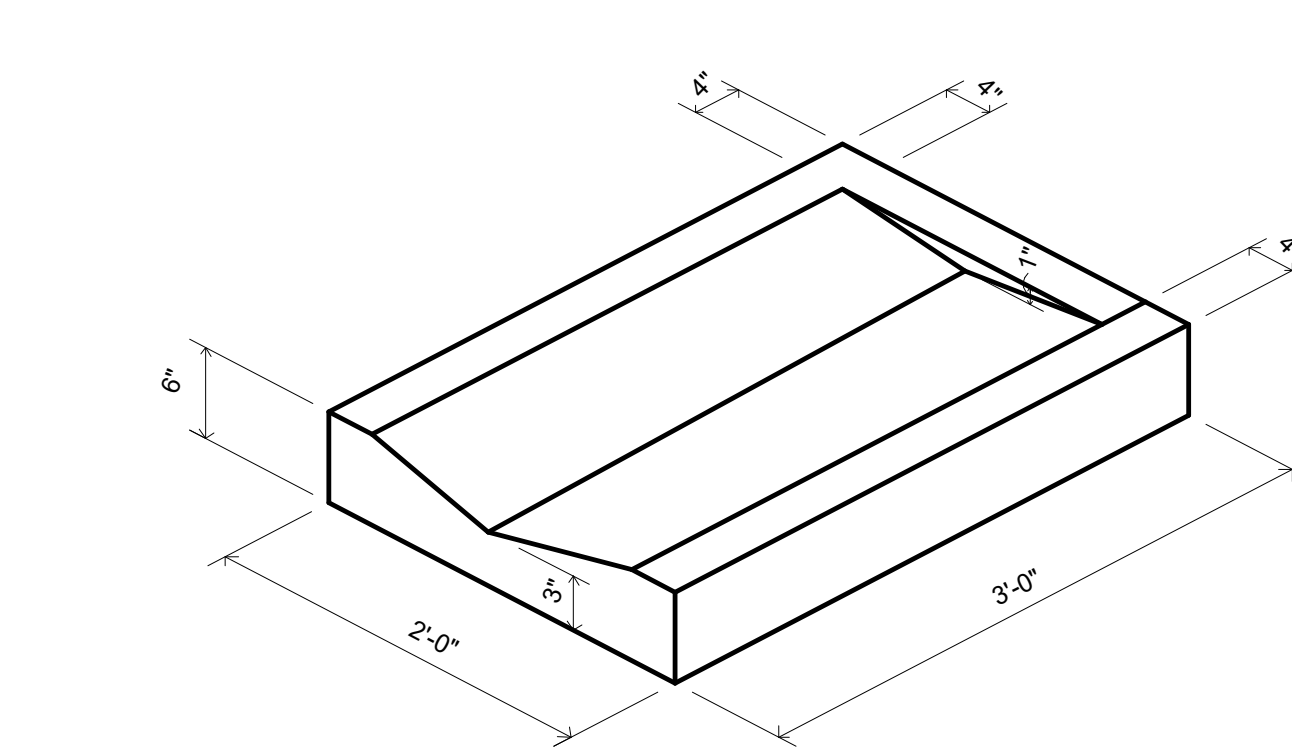
SITE PLAN

Scale:
C300

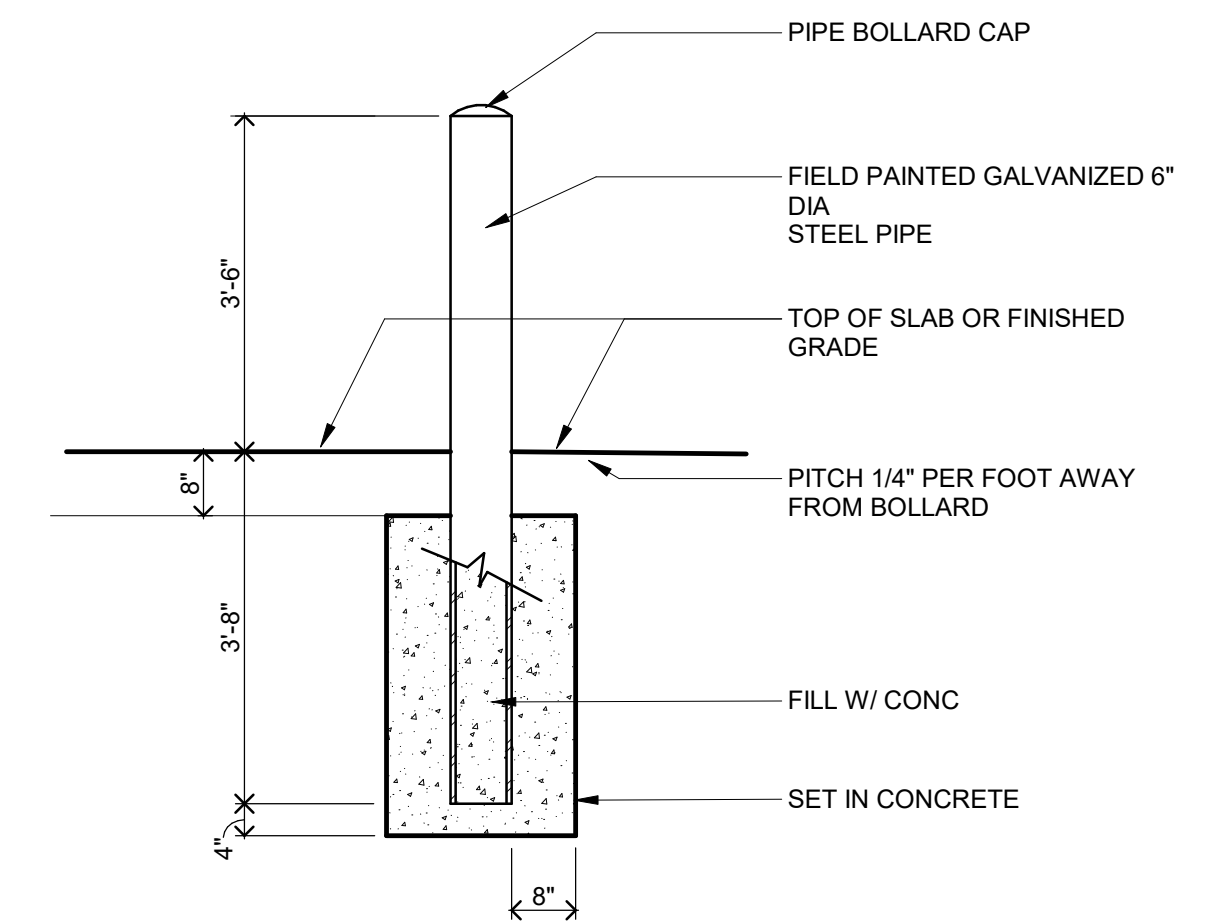
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B1 LOUVER TYPES
1/4" = 1'-0"



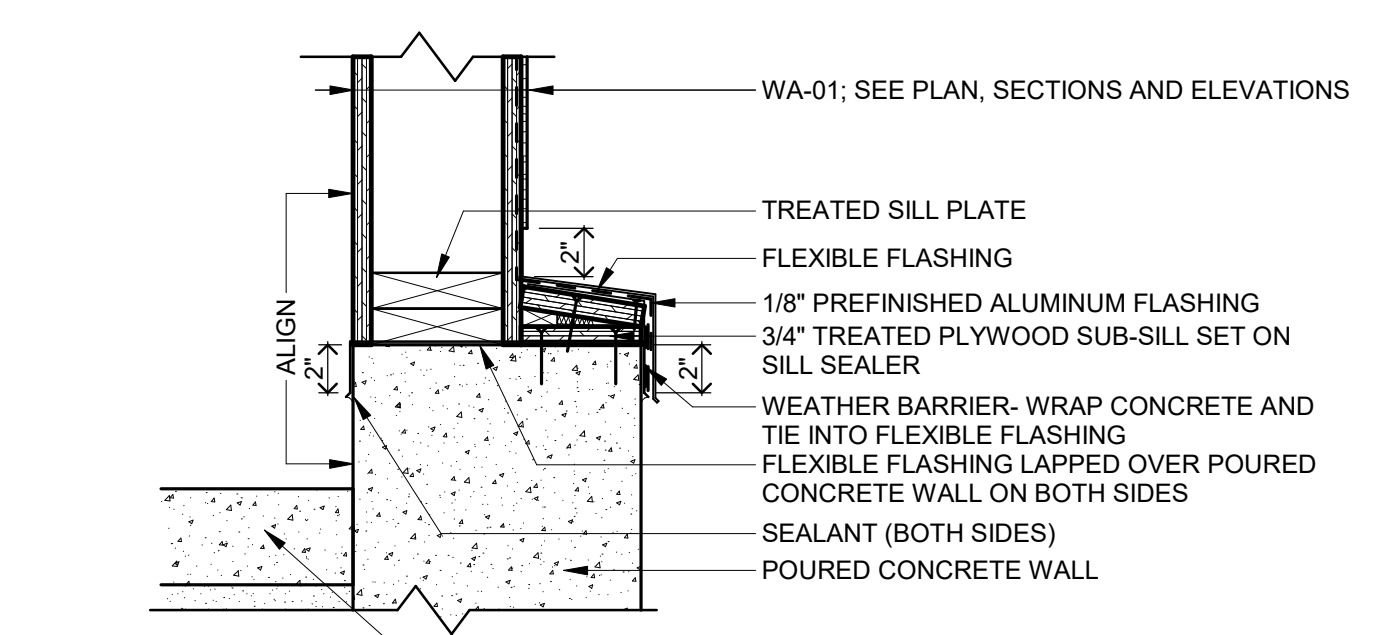
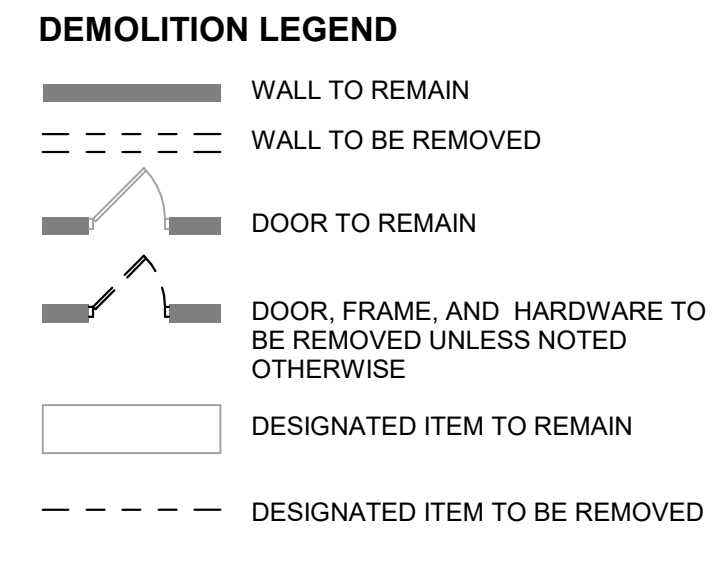
B2 CONCRETE SPLASHBLOCK
1" = 1'-0"



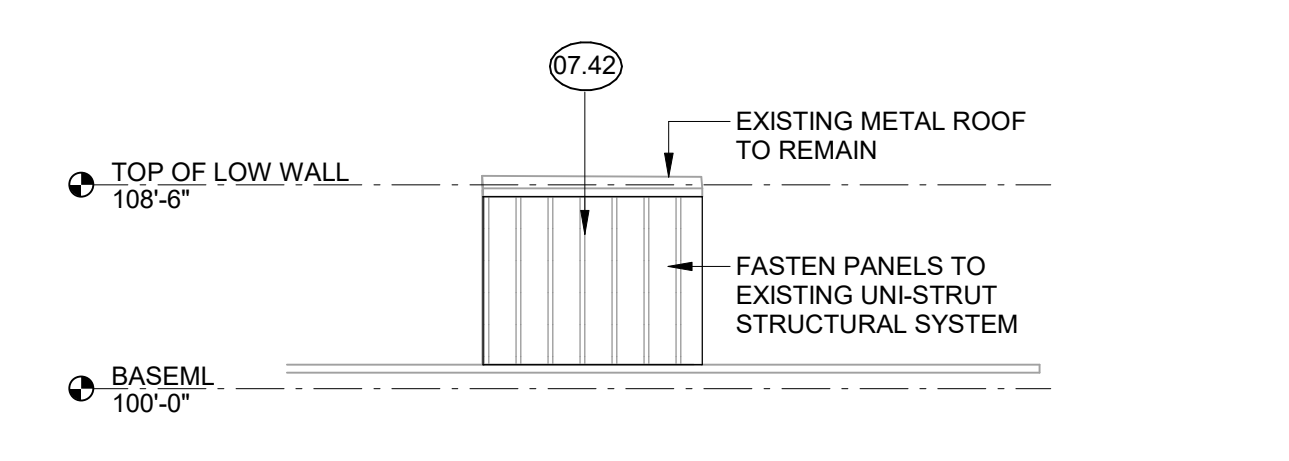
B4 BOLLARD DETAIL
1/2" = 1'-0"

- DEMOLITION GENERAL NOTES**
- DEMOLITION NOTES AND PLANS ARE PROVIDED AS A GUIDE ONLY. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND EXAMINE DRAWINGS AND DETAILS TO DETERMINE EXTENT AND LIMITS OF DEMOLITION REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ASPECTS OF DEMOLITION. CONTRACTOR TO REVIEW ALL DRAWINGS FOR ADDITIONAL DETAILS AND CONSTRUCTION SEQUENCING NOTES. MECHANICAL AND ELECTRICAL DEMOLITIONS ARE SHOWN ON MECHANICAL AND ELECTRICAL DRAWINGS.
 - REFER TO MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES.
 - CONTRACTOR TO COORDINATE DEMOLITION WITH DETAILS AND STRUCTURAL DRAWINGS TO INSTALL NEW LINTELS OR STRUCTURAL COMPONENTS TO SUPPORT EXISTING STRUCTURE.
 - PROVIDE AND COORDINATE ALL DEMOLITION AND RECONSTRUCTION WITH NEW WORK PLAN DIMENSIONS AND INSTALLATION OF NEW MATERIALS AND FINISHES, AS REQUIRED, WHETHER INDICATED ON DRAWINGS OR NOT.
 - PROVIDE SMOOTH AND CLEAN SUBSTRATE TO ALL AREAS RECEIVING NEW FINISHES. COORDINATE WORK WITH PLANS AND THE ROOM FINISH SCHEDULE.
 - ALL RELATED WOOD BLOCKING SUPPORT STRUCTURE, HARDWARE CONNECTION DEVICES, ADHESIVES, AND/OR MASTIC SHALL BE REMOVED FROM SURFACES AT ITEMS NOTED FOR REMOVAL. PROVIDE SURFACES ACCEPTABLE FOR PATCHING AND/OR NEW WORK.
 - DEMOLITION NOTES WITHOUT ARROWS INDICATE THAT THE NOTE APPLIES TO THE ENTIRE ROOM.

- DEMOLITION PLAN KEY NOTES:**
- PROTECT POWERED SIGN DURING CONSTRUCTION.
 - REMOVE ROCKS TO EXTENTS SHOWN. SALVAGE FOR REINSTALLATION.
 - EXISTING LIFT STATION TO REMAIN.



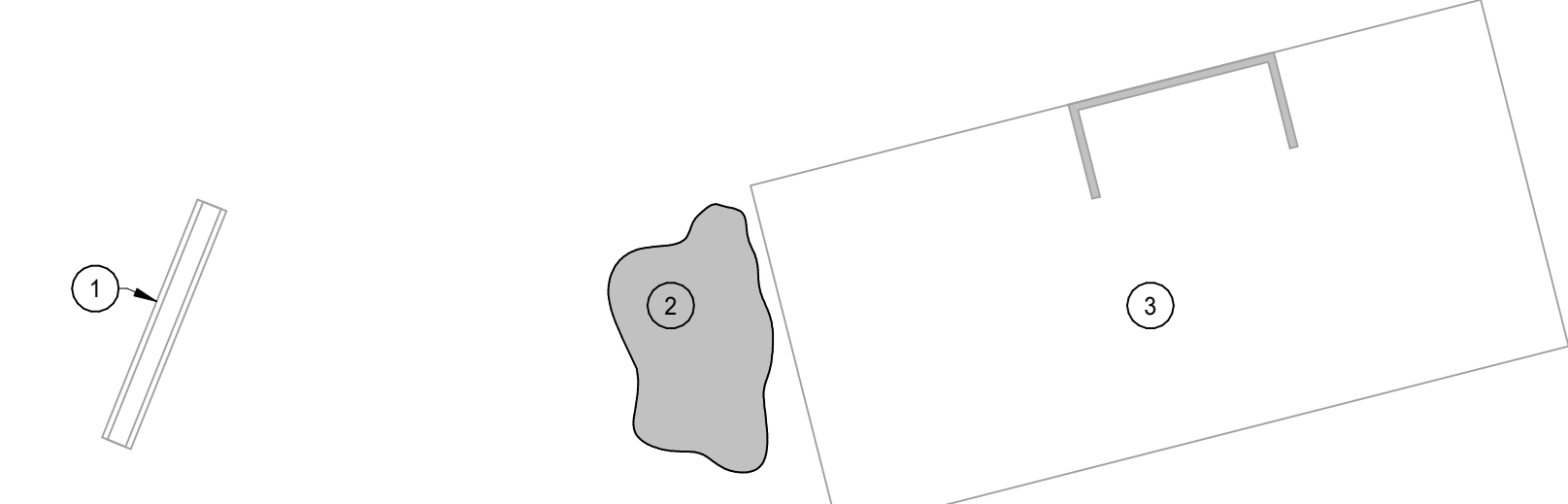
C1 FLASHING AT BASE OF WALL
1 1/2" = 1'-0"



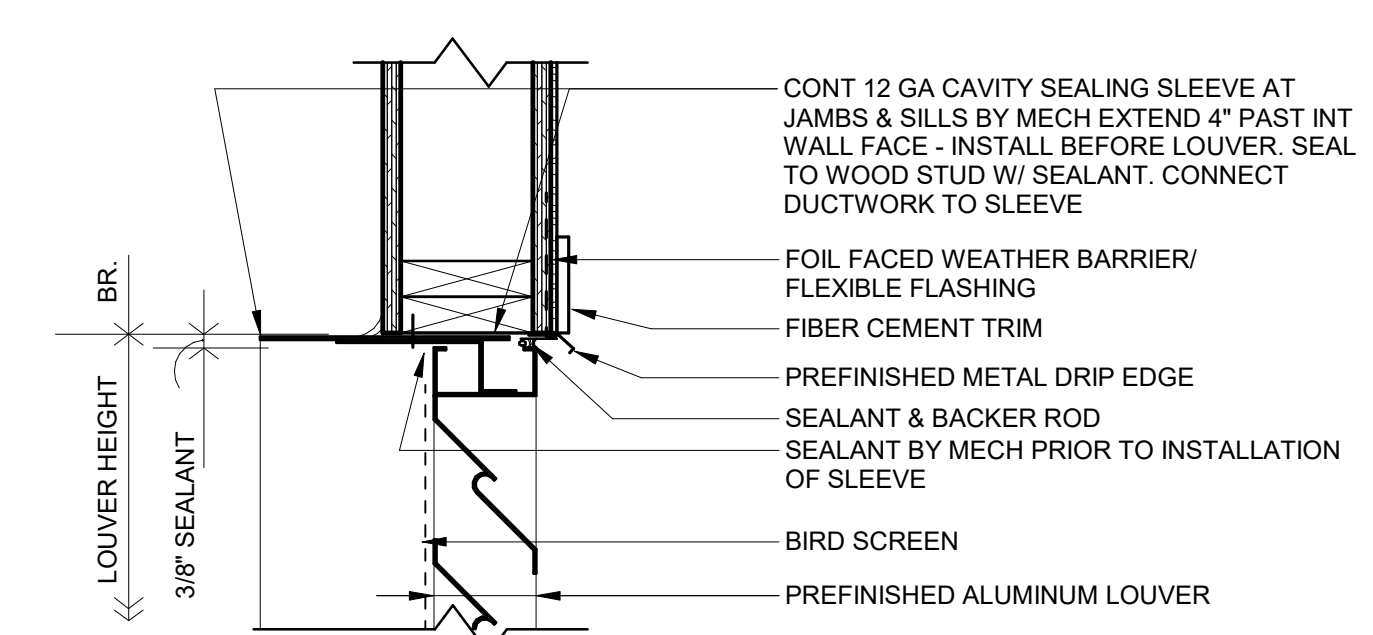
C3a LIFT STATION CONTROL ENCLOSURE - NE ELEVATION
1/8" = 1'-0"

MATERIALS KEY

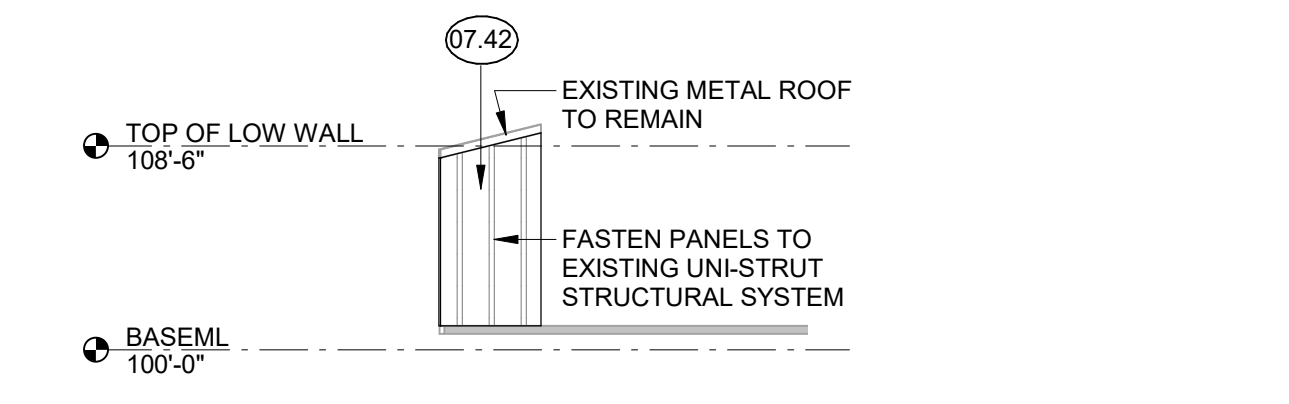
KEY	MATERIAL
03.01	CONCRETE
05.07	MISC METAL
07.02	PREFINISHED SHEET METAL FLASHING
07.04	PREFINISHED SHEET METAL GUTTER
07.05	ASPHALT SHINGLES
07.09	PREFINISHED RAINSCREEN PANEL
07.37	PREFINISHED SHEET METAL DOWNSPOUT
07.41	FIBER CEMENT FACIA
07.42	FIBER CEMENT SIDING
07.43	FIBER CEMENT TRIM
08.59	PREFINISHED METAL LOUVER
10.17	GALVANIZED FENCE



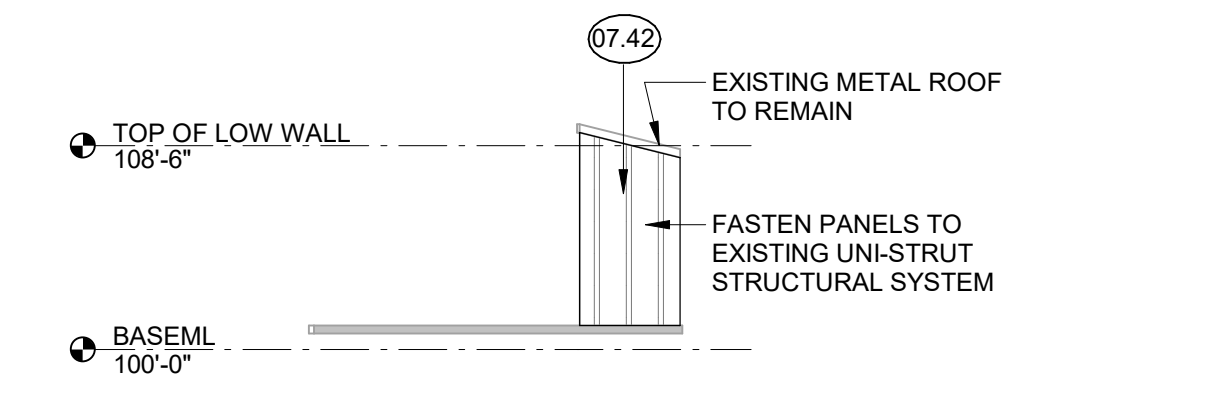
C6 GENERATOR DEMOLITION PLAN
1/8" = 1'-0"



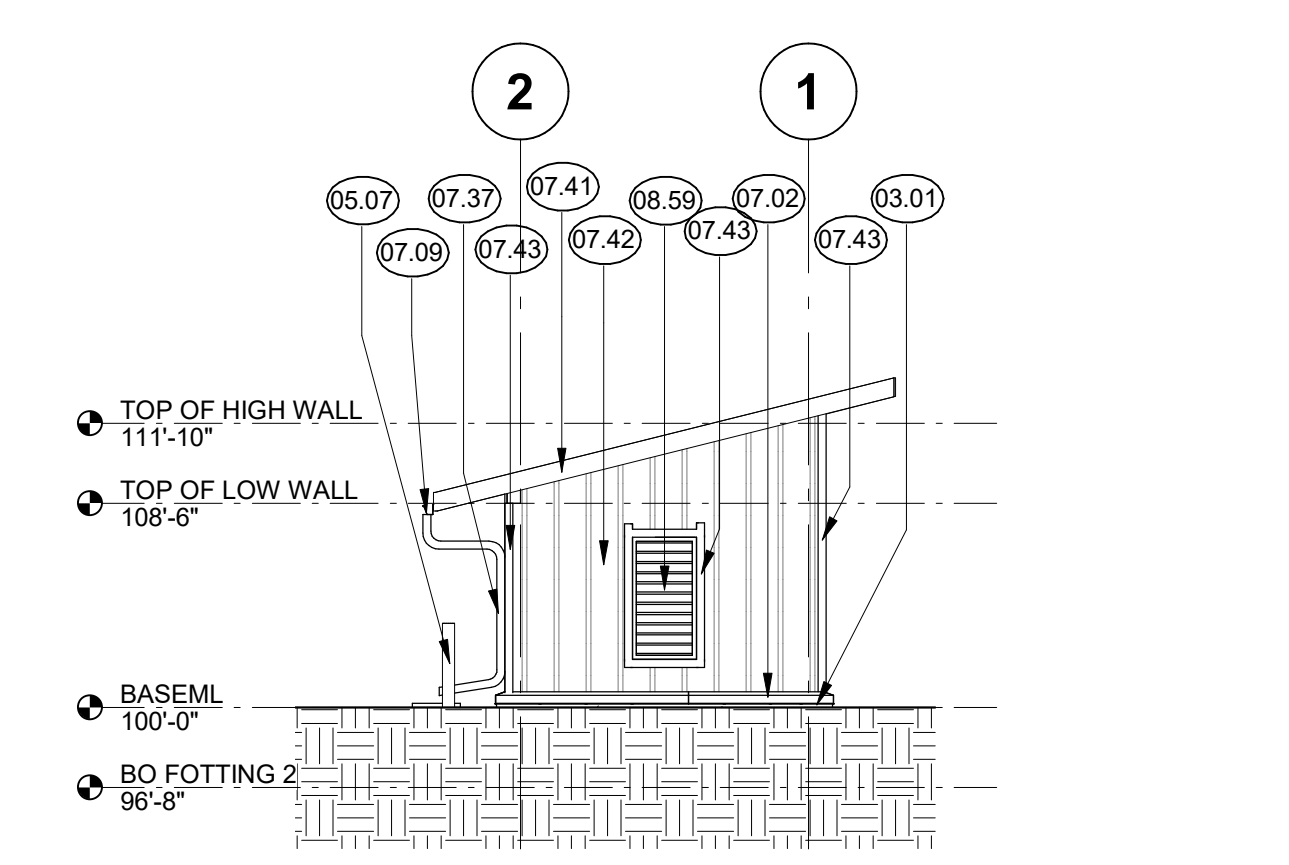
D1 LOUVER HEAD
1 1/2" = 1'-0"



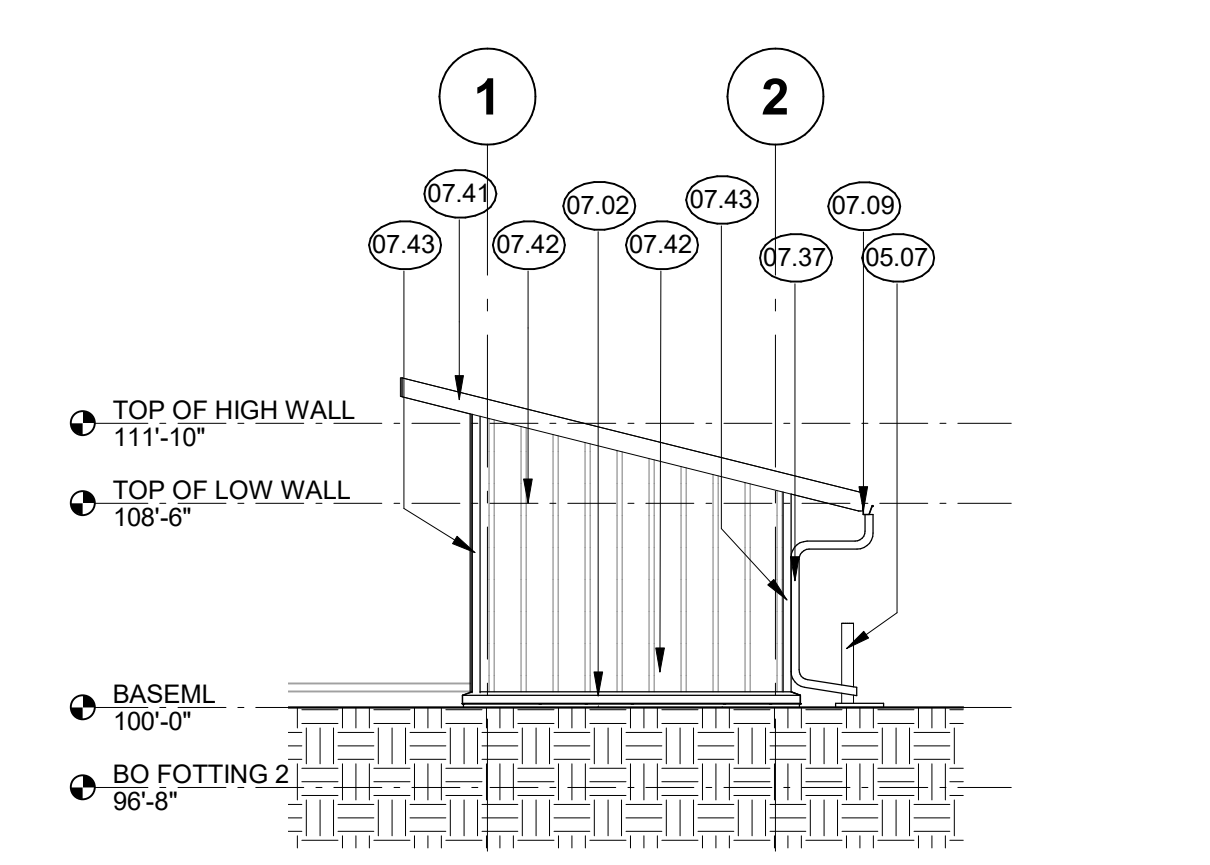
C3 LIFT STATION CONTROL ENCLOSURE - NW ELEVATION
1/8" = 1'-0"



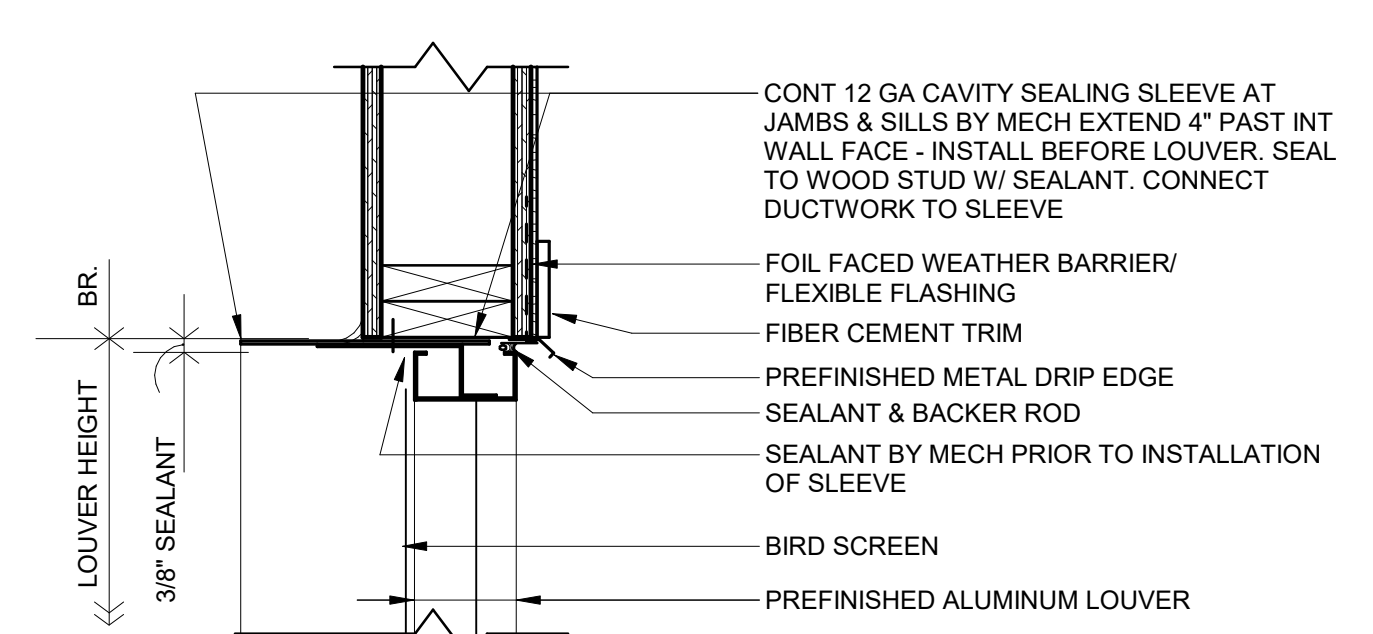
C5a LIFT STATION CONTROL ENCLOSURE - SE ELEVATION
1/8" = 1'-0"



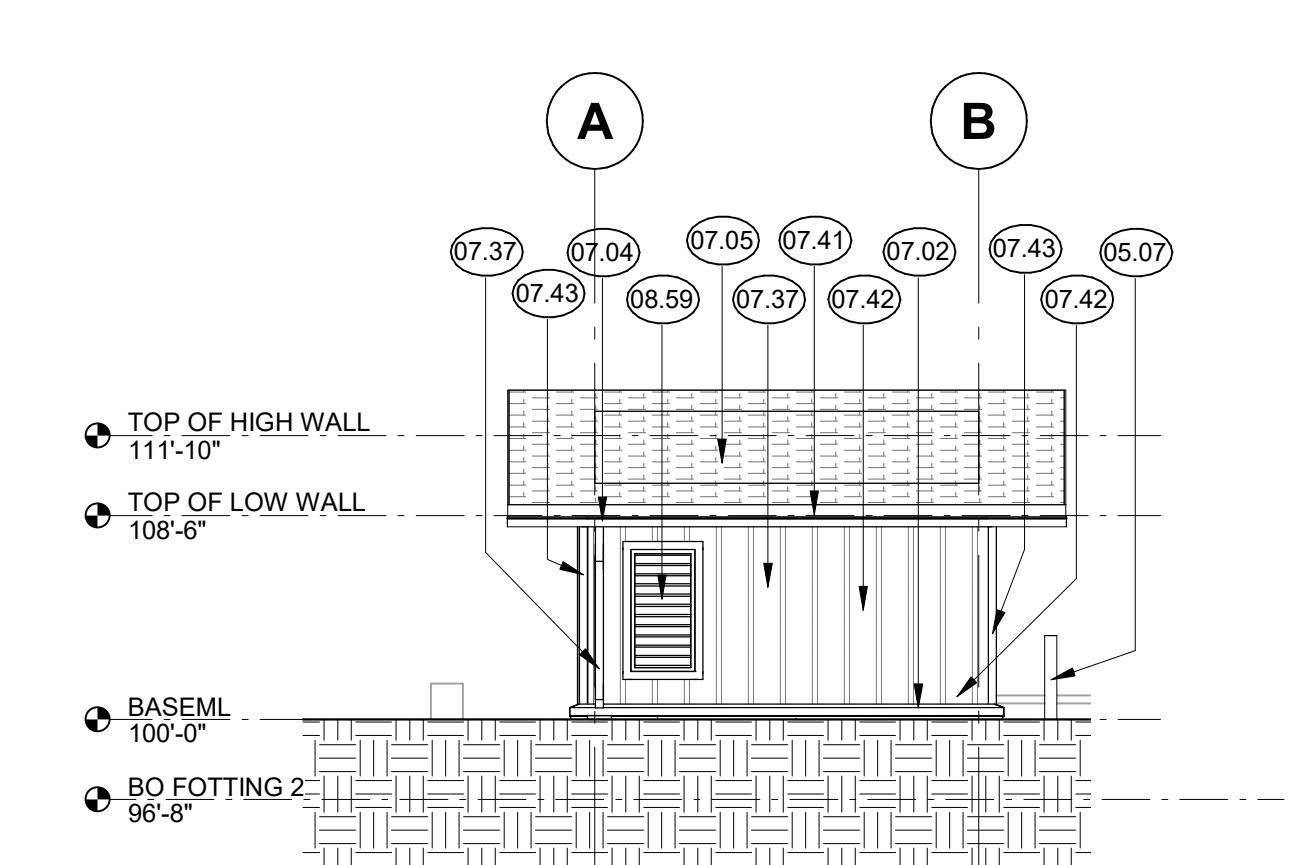
E3 GENERATOR - SOUTHEAST ELEVATION
1/8" = 1'-0"



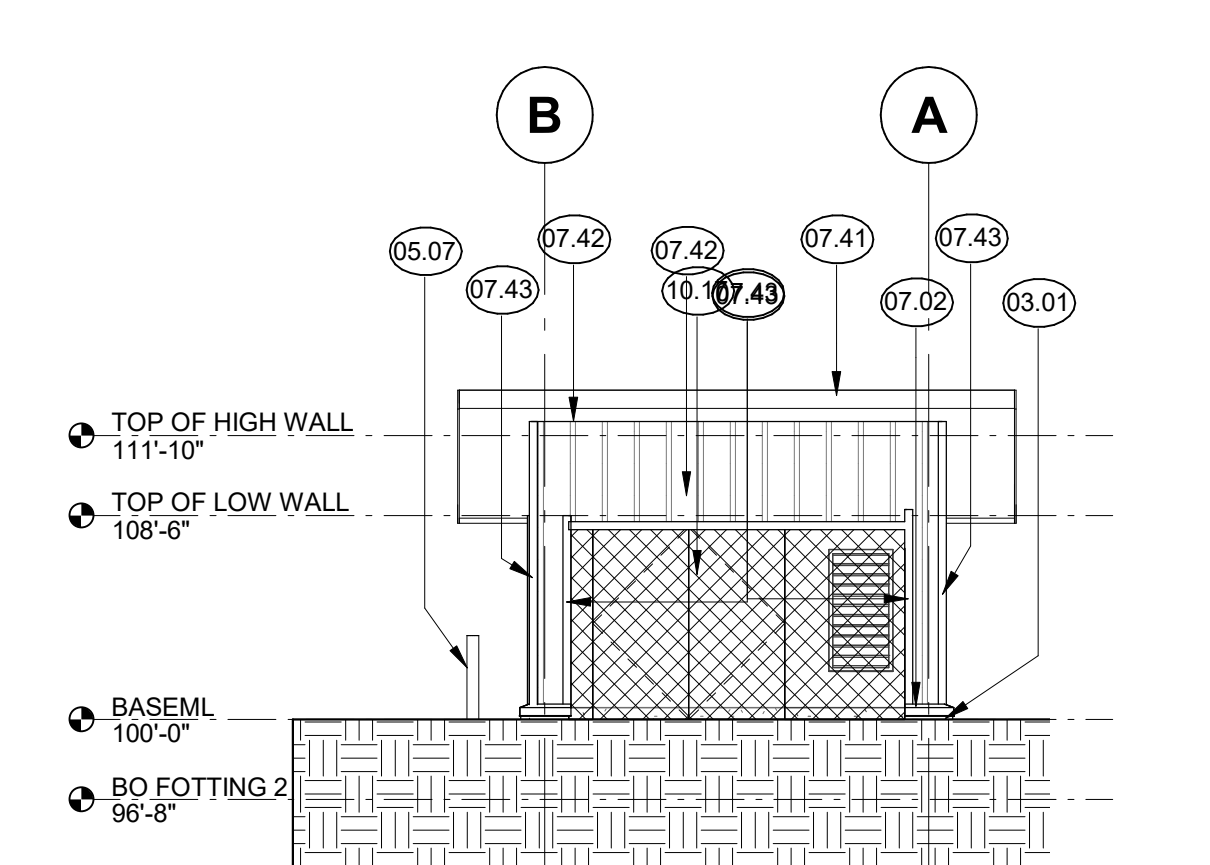
E5 GENERATOR - NORTHWEST ELEVATION
1/8" = 1'-0"



E1 LOUVER JAMB
1 1/2" = 1'-0"



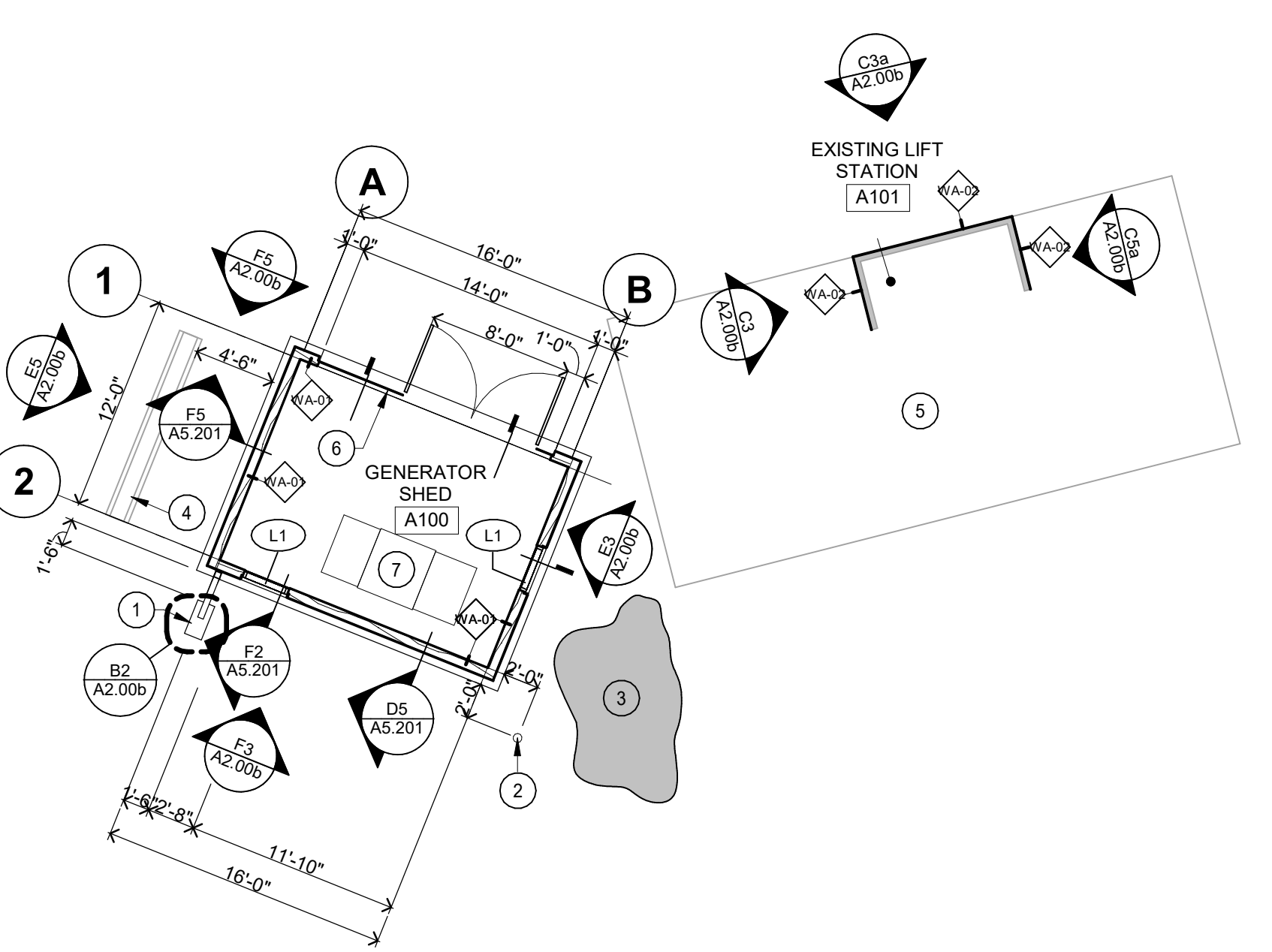
F3 GENERATOR - SOUTHWEST ELEVATION
1/8" = 1'-0"



F5 GENERATOR - NORTHEAST ELEVATION
1/8" = 1'-0"

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	N WALL - TYP		E WALL		S WALL		W WALL		REMARKS	
			CONC	PLYWOOD	MATL	FIN	MATL	FIN	MATL	FIN		MATL
A100	GENERATOR SHED		CONC	PLYWOOD	HERITAGE CLAY	PLYWOOD	HERITAGE CLAY	PLYWOOD	HERITAGE CLAY	PLYWOOD	HERITAGE CLAY	

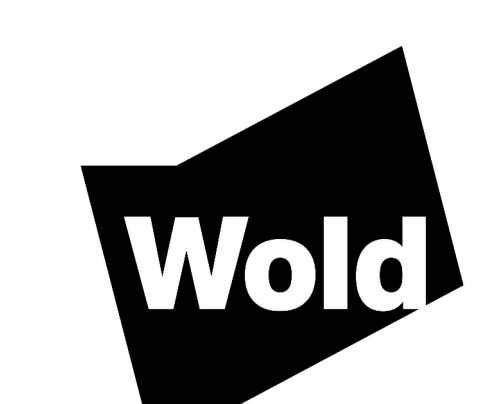


F6 GENERATOR FLOOR PLAN
1/8" = 1'-0"

- FLOOR PLAN KEY NOTES:**
- SPLASH BLOCK - SEE DETAIL B2/A2.00b.
 - BOLLARD - SEE DETAIL B4/A2.00b.
 - RELOCATED ROCKS.
 - EXISTING MONUMENT SIGN TO REMAIN.
 - EXISTING LIFT STATION TO REMAIN.
 - REMOVABLE GALVANIZED CHAIN LINK FENCE WITH 42" GATE.
 - GENERATOR; COORDINATE WITH ELECTRICAL.

LIFT STATION GENERATOR ENCLOSURE
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City of Wrangell
Wood St, Wrangell, AK 99929



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P: 206.622.4590
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Josh Ripplinger
License Number: 46143 Date: 06/30/2022

Description	Revisions	Date	Num

Comm: 216054
Date: 01/25/2022
Drawn: MS
Check: SM | JR

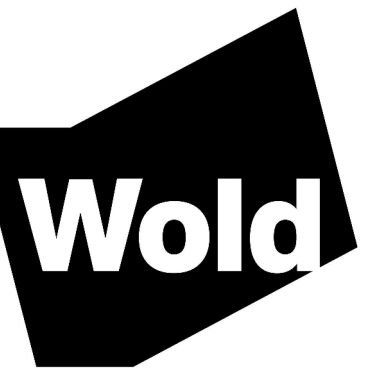
MAIN LEVEL DEMOLITION PLAN, FLOOR PLAN & ELEVATIONS

Scale: As indicated
A2.00b

**LIFT STATION
GENERATOR
ENCLOSURE**

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Wrangell, AK 99929

City of Wrangell
Wood St, Wrangell, AK 99929



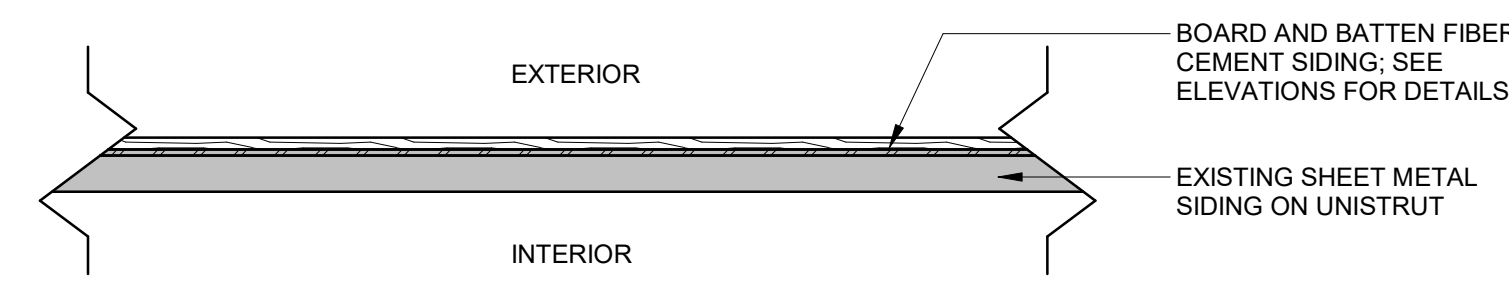
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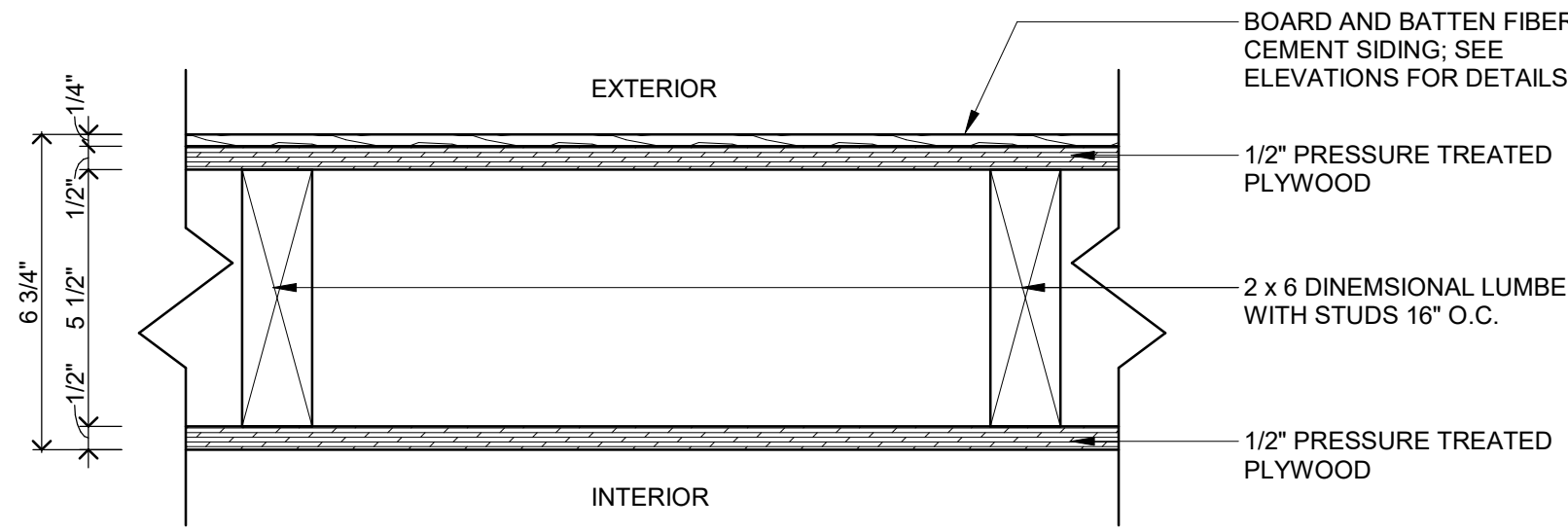
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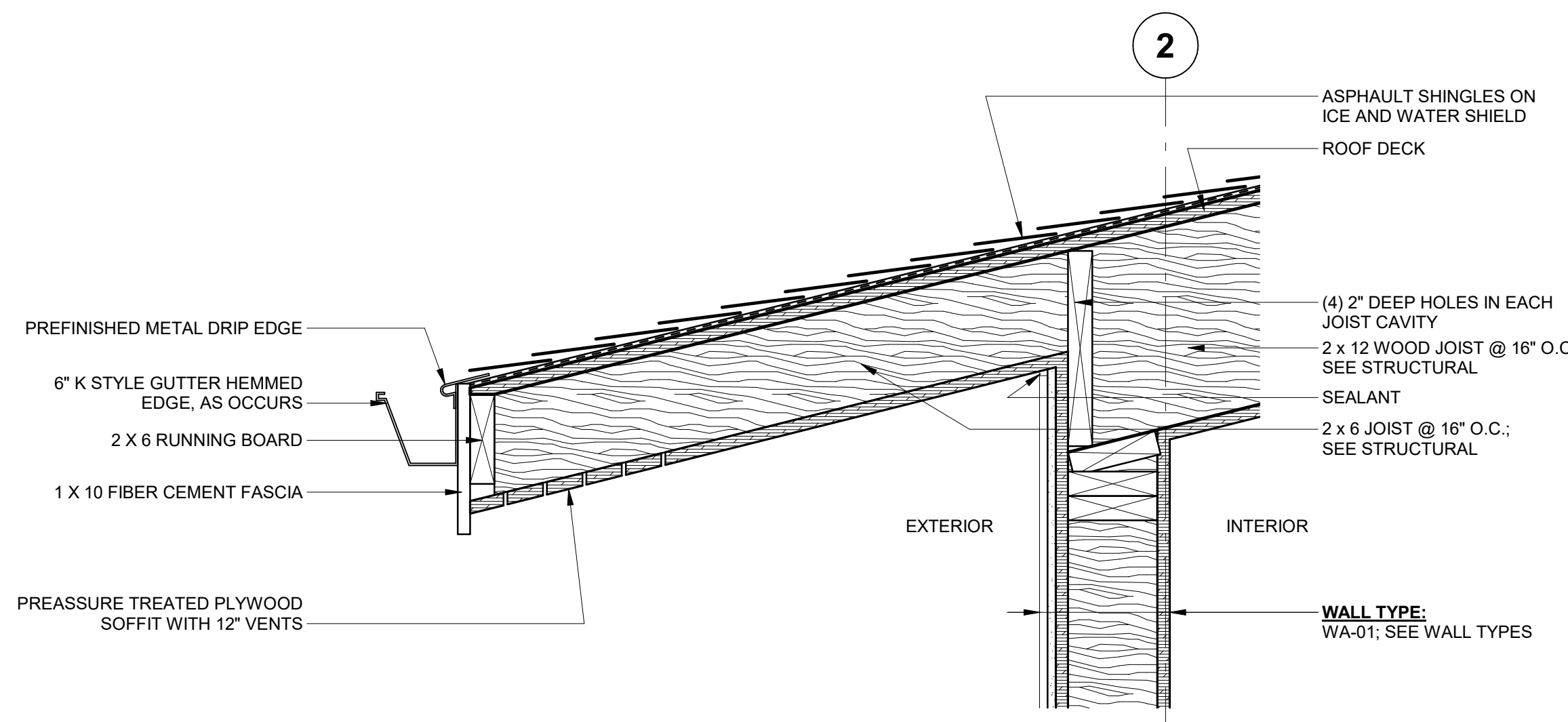
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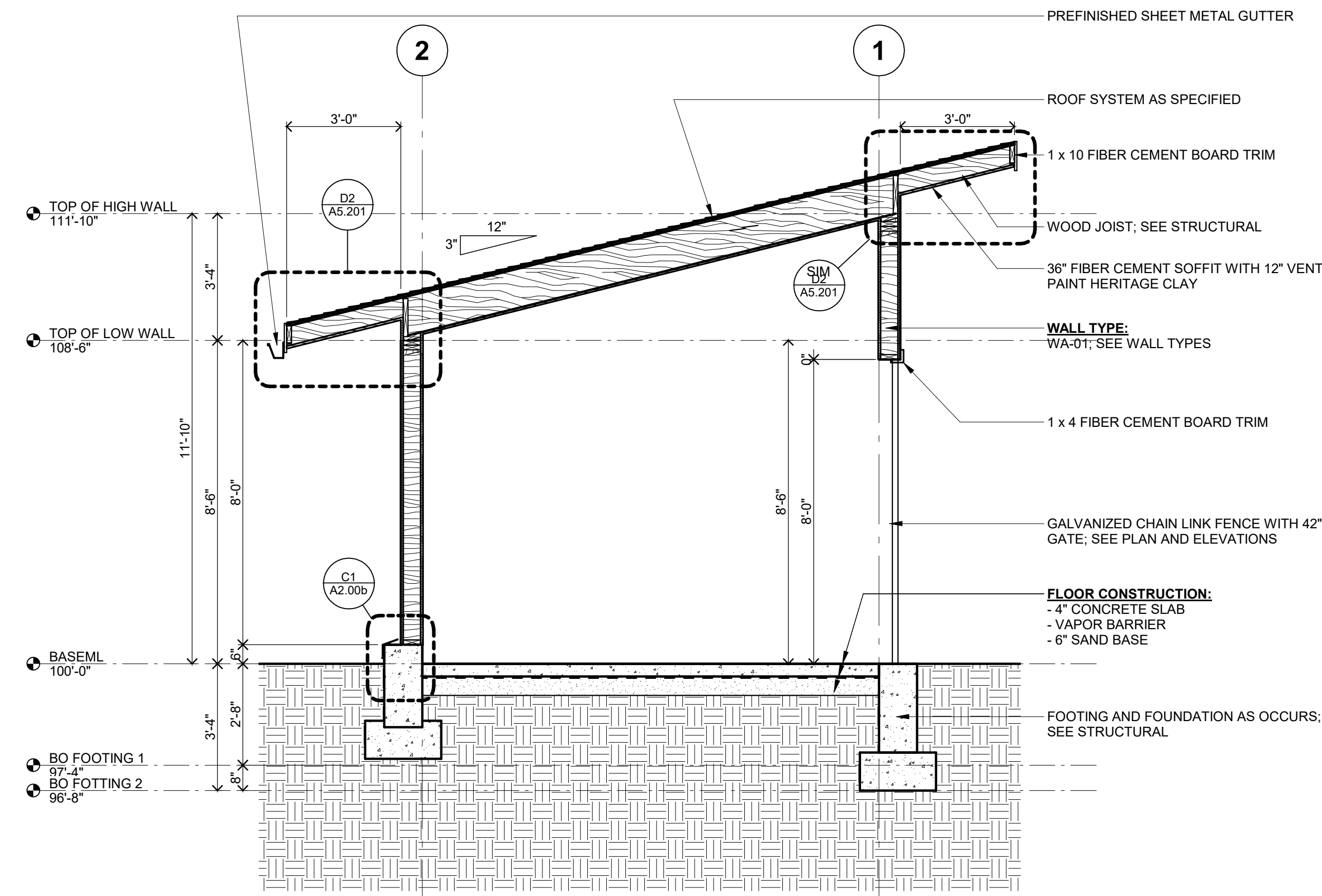
A2 WA-02 - PLAN DETAIL (FIBER CEMENT SIDING ON EXISTING METAL STRUCTURE)
3" = 1'-0"



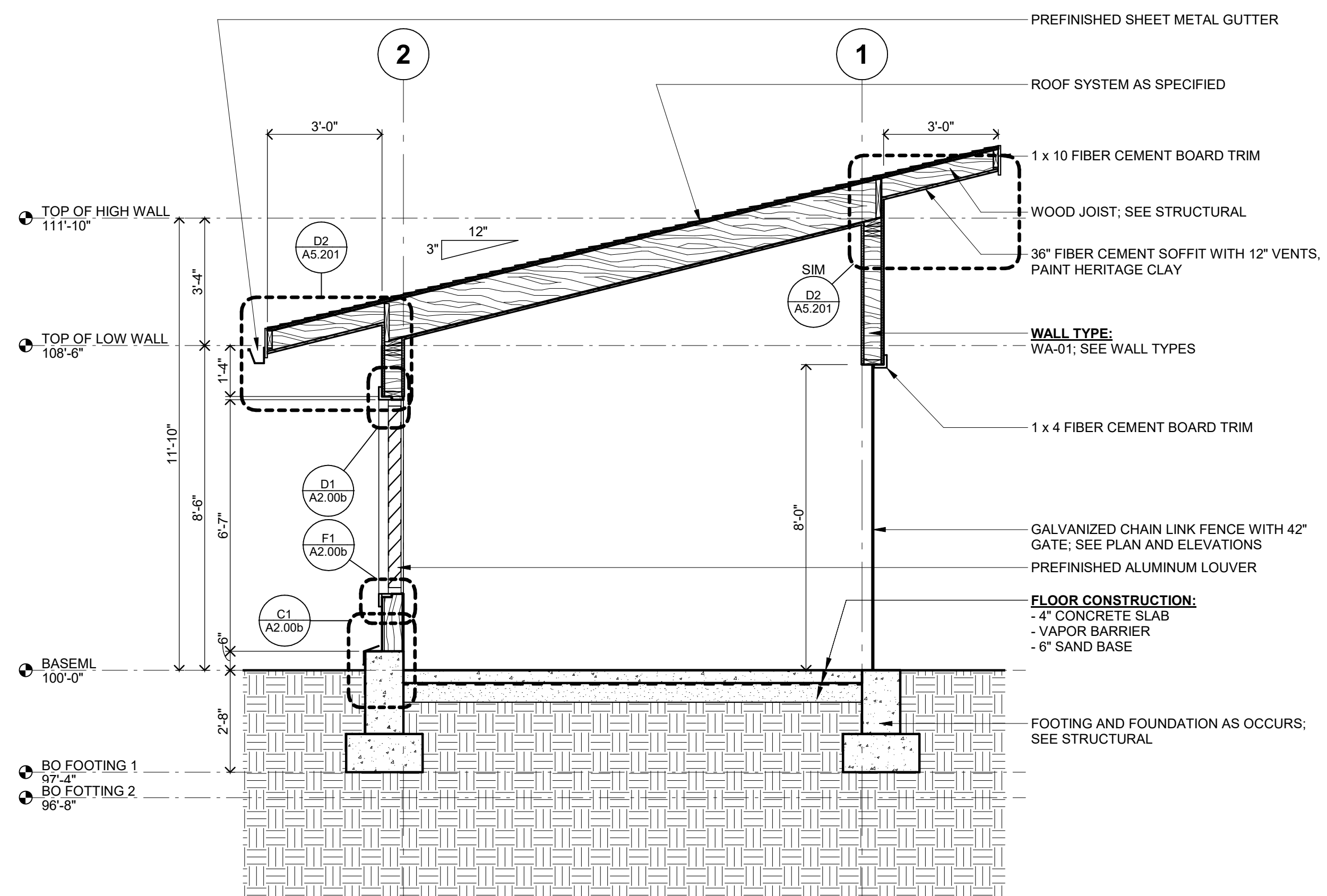
B2 WA-01 - PLAN DETAIL (FIBER CEMENT SIDING ON WOOD STUD)
3" = 1'-0"



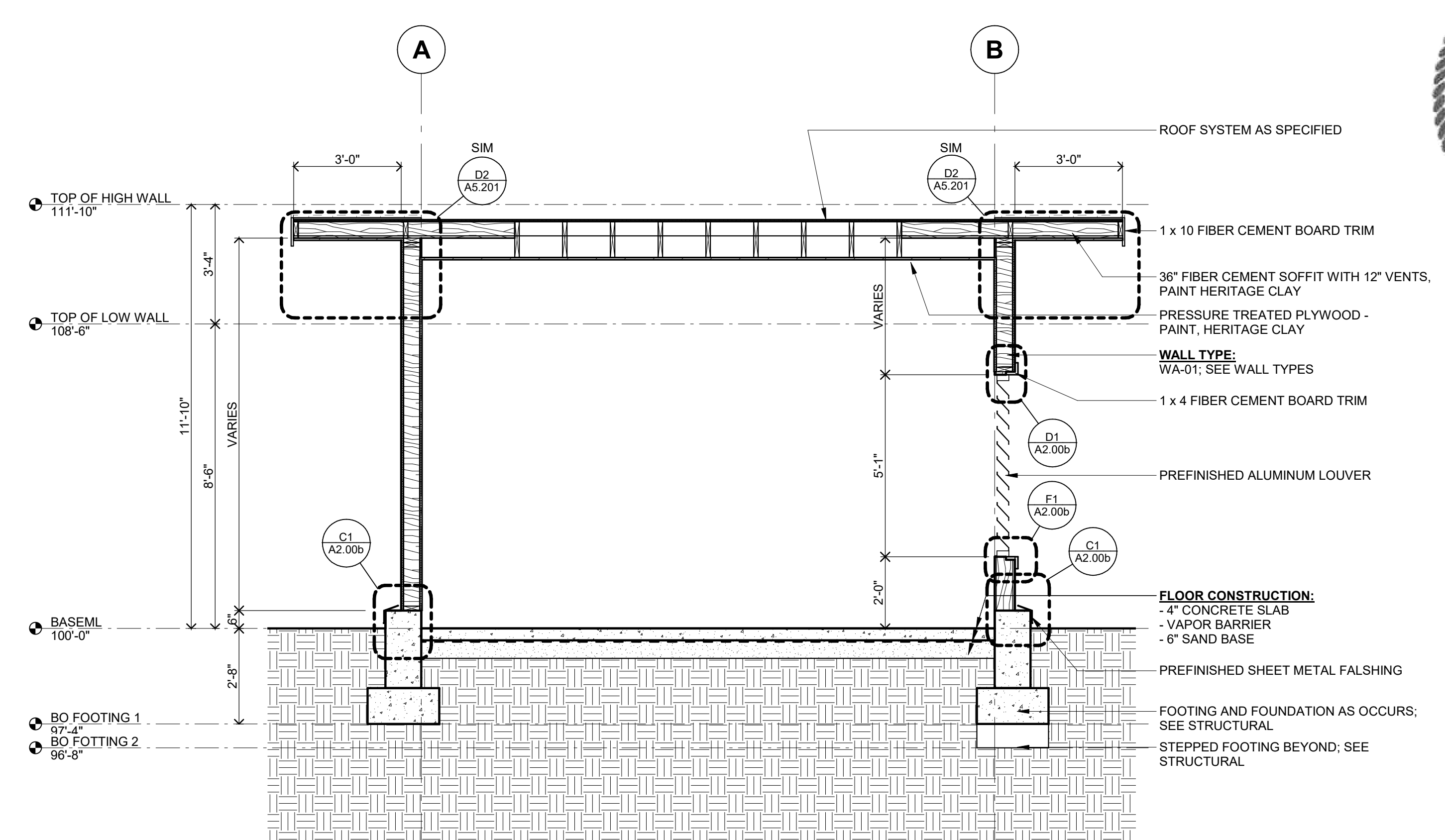
D2 ROOF SOFFIT DETAIL
1 1/2" = 1'-0"



D5 SECTION AT STEPPED FOOTING
3/8" = 1'-0"



F2 SECTION AT LOUVER AND CHAIN LINK FENCE
3/8" = 1'-0"



F5 SECTION AT LOUVER
3/8" = 1'-0"



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Josh Ripplinger
License Number: 46143 Date: 06/30/2022

Description	Revisions	
	Date	Num

Comm: 216054
Date: 01/25/2022
Drawn: MS
Check: SM | JR

**WALL SECTIONS,
TYPES AND
DETAILS**

Scale: As Indicated

A5.201

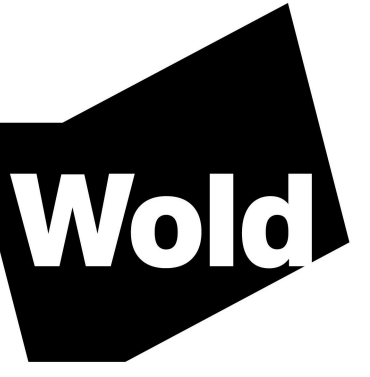
MN

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LIFT STATION GENERATOR ENCLOSURE

Wood St.,
Wrangell, AK 99929

Wrangell Medical Center
232 Wood St., Wrangell, AK 99929



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Description	Revisions	
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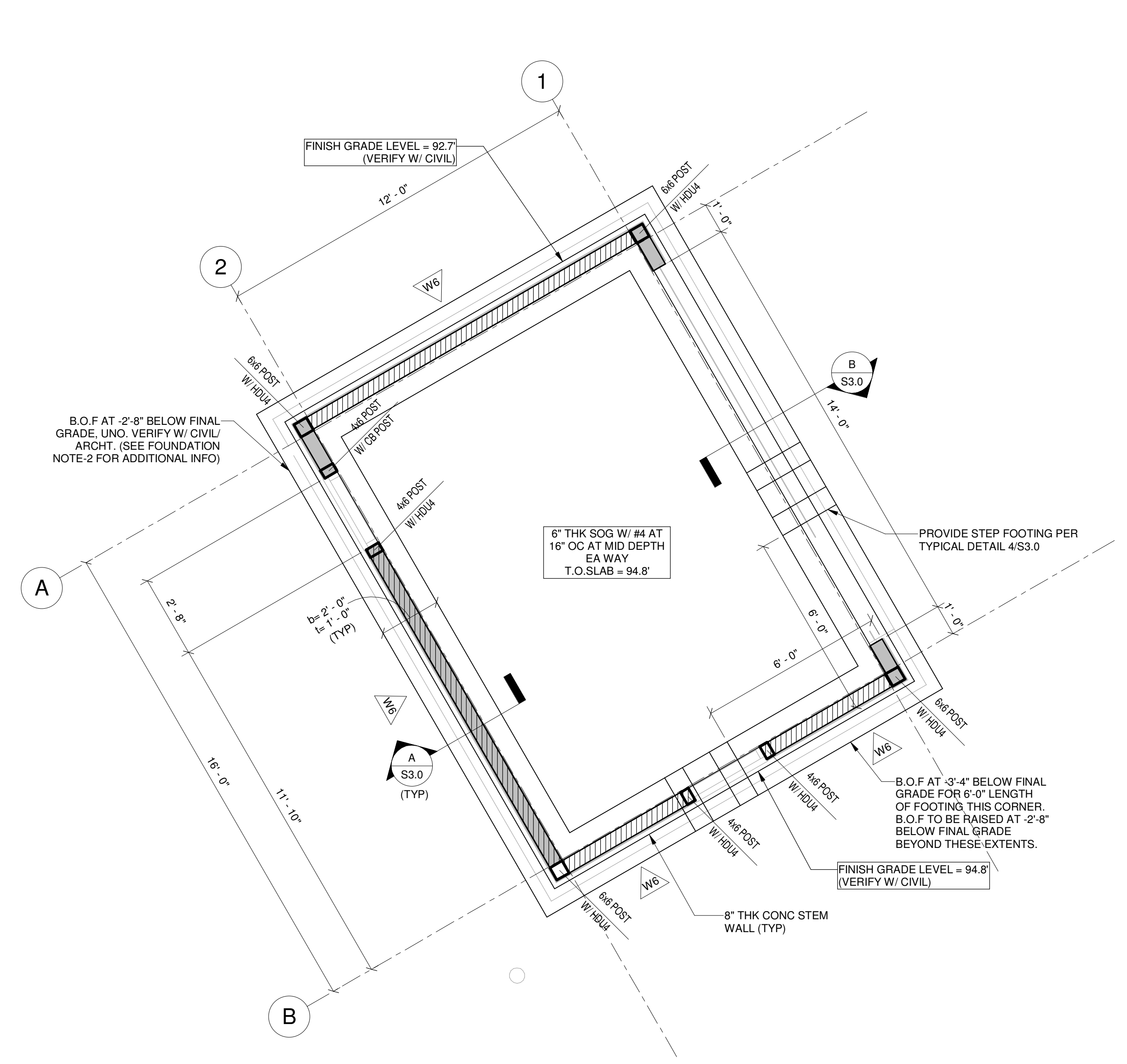
Comm: _____
Date: 01/21/22
Drawn: MSV
Check: PSM
North

FOUNDATION PLAN AND ROOF FRAMING PLAN

Scale: As indicated

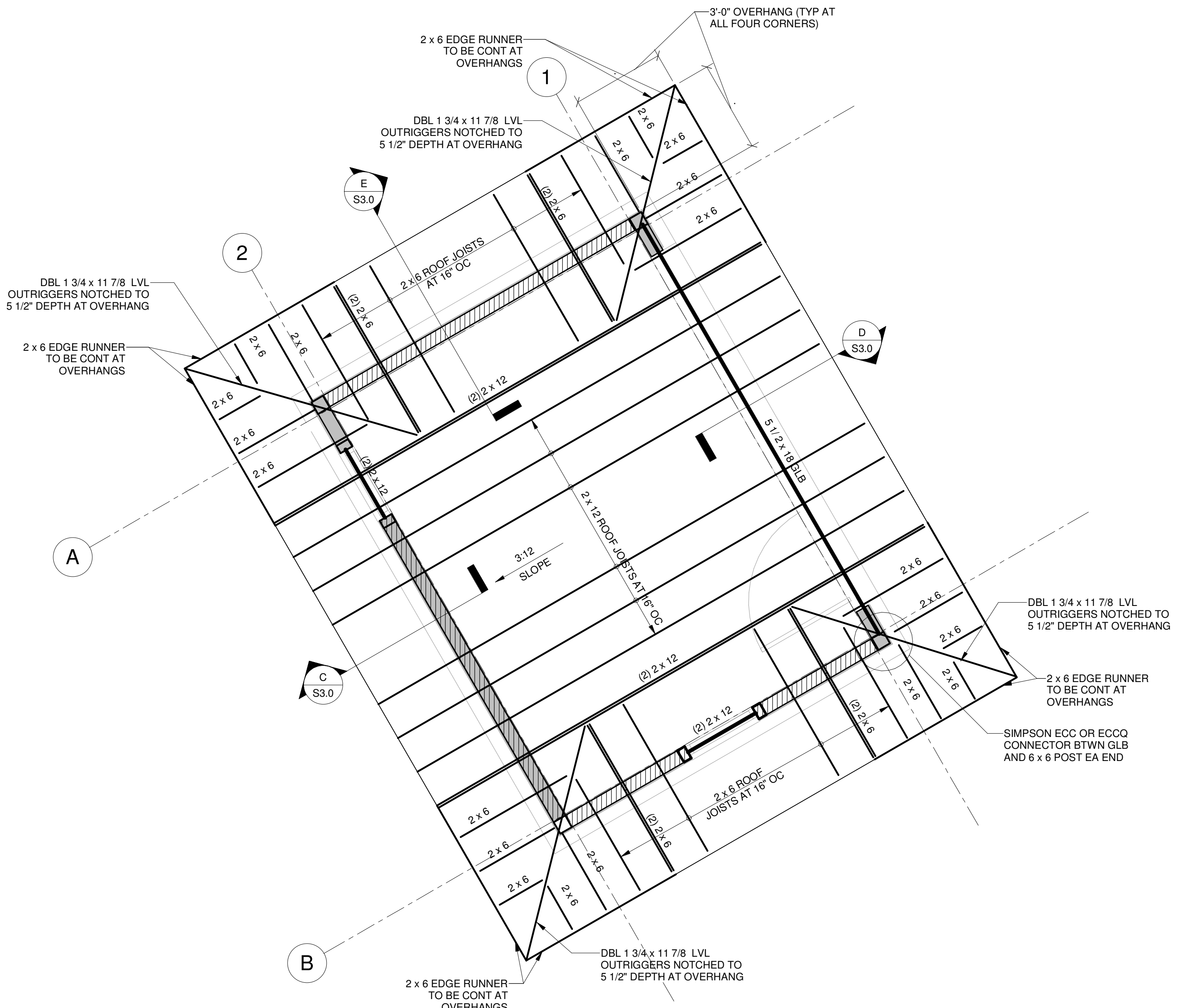
S2.0

MN



1 FOUNDATION PLAN
3/8" = 1'-0"

- FOUNDATION NOTES**
- COORDINATE DIMENSIONS WITH ARCHITECTURAL PLANS. DIMENSIONS ARE CONTROLLED BY THE ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IN DIMENSION BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION.
 - TOP OF FOOTING ELEVATION WILL VARY WITH FINAL GRADE ELEVATION. GO TO COORDINATE WITH CIVIL AND ARCHITECTURAL DRAWINGS TO VERIFY THAT THE BOTTOM OF ALL FOOTINGS ARE AT LEAST 2'-8" BELOW THE FINAL FINISHED GRADE. STEM WALLS AT CONTINUOUS FOUNDATION MAY BE REQUIRED TO ACCOMMODATE THE FINAL GRADE VARIATIONS. FOOTINGS TO BE LOWERED BELOW (E) UTILITY LINES. CO-ORDINATE W/ CIVIL/ARCHT.
 - SHADED WALLS DENOTE BEARING WALLS W/ 2x STUDS AT 16" OC. WALL TYPE TO BE PER SECTIONS AND AS PER ARCHT DRAWINGS
 - INDICATES EXTENT OF SHEARWALL.
 - WX DENOTES A SHEARWALL.
 - HD-X DENOTES REQUIRED SIMPSON HOLDDOWN AT ENDS OF SHEARWALL. SEE 2/S3.0 FOR TYPICAL DETAIL.
 - ANCHORAGE OF EQUIPMENT OVER SLAB ON GRADE TO BE BY EQUIPMENT SUPPLIER. THICKER SLAB MAY BE REQUIRED TO MEET ANCHORAGE REQUIREMENTS. GO TO COORDINATE THE SAME WITH EQUIPMENT SUPPLIER.



2 ROOF FRAMING PLAN
3/8" = 1'-0"

- WOOD ROOF FRAMING NOTES**
- COORDINATE DIMENSIONS WITH ARCHITECTURAL PLANS.
 - COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS FOR LOCATION AND SIZE OF ROOF AND WALL OPENINGS.
 - ROOF DIAPHRAGM TO BE 5/8" CDX (P.L.-48/24) PLYWOOD APPLIED DIRECTLY OVER ROOF JOISTS. SEE S1.0 FOR NAILING. PLACE LONG DIRECTION OF PLYWOOD SHEETS PERPENDICULAR TO ROOF JOISTS AND STAGGER LAPS.
 - SEE THE GENERAL NOTES AND SPECIAL INSPECTIONS ON SHEET S1.0 FOR ADDITIONAL INFORMATION.
 - LAYOUT OF ALL EXTERIOR WALL OPENINGS TO BE CO-ORDINATED W/ ARCHT DWGS. REPORT TO ENGINEER OF RECORD IN CASE OF ANY DISCREPANCY.
 - USE SIMPSON LSSR HANGERS FOR CONNECTING SLOPED AND SKEWED MEMBERS AT OVERHANG CORNERS.

A

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT																																																																																																																																																																														
GENERAL ELECTRICAL SYMBOLS					LIGHTING					COMMUNICATION DEVICES					POWER AND MOTOR DEVICES																																																																																																																																																																									
A	DEVICES SHALL BE MOUNTED AT THE HEIGHT INDICATED, UNLESS NOTED OTHERWISE. HEIGHTS ARE MEASURED TO FLOOR DEVICES TO FINISHED FLOOR DEVICES MOUNTED IN BLOCKBRICK WALLS SHALL CORRESPOND WITH BLOCKBRICK COURSEING. SEE MASONRY BACKBOX MOUNTING HEIGHT DETAIL.		RECESSED LUMINAIRE (TYPE DENOTED)			PAGING/INTERCOM SPEAKER HORN ASSEMBLY - PA OR AS INDICATED (3/4" BUSHED EMT TO ACCESSIBLE CEILING). WG = WIREGUARD	90"		LOUD SPEAKER HORN ASSEMBLY - PA OR SOUND SYSTEM AS INDICATED. VERIFY MOUNTING HEIGHT. (3/4" BUSHED EMT TO ACCESSIBLE CEILING). WG = WIREGUARD			RECEPTACLE NOTATION: #N INDICATES THE FOLLOWING: #N ABOVE COUNTER, BOTTOM OF BOX 4" ABOVE BACKSPLASH #N ISOLATED GROUND #N INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER #N CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER #N TAMPER RESISTANT #N (2) USB PORTS INTEGRAL WITH RECEPTACLE #N WEATHERPROOF			SURFACE MOUNTED DUPLEX / QUAD RECEPTABLES AND DATA OUTLETS			DUPLEX RECEPTACLE ON NORMAL CIRCUIT	18"		DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT	18"		RECEPTACLE (SINGLE)	18"		DOUBLE DUPLEX RECEPTACLE (QUAD) ON NORMAL CIRCUIT	18"		DOUBLE DUPLEX RECEPTACLE (QUAD) ON EMERGENCY CIRCUIT	18"		SPECIAL PURPOSE OUTLET: RECESSED. MOUNT PER DWGS.	18"		RECESSED CEILING MOUNTED SINGLE OR DUPLEX RECEPTABLE W/ ADDITIONAL 10 FLEX MC/AC SLACK (COILED); FOR FUTURE DEVICE RELOCATION.			USB ONLY DEVICE, (4) USB CHARGING PORTS	18"		CEILING OR WALL MOUNTED JUNCTION BOX WITH REQUIRED COVERPLATE - PLAN INDICATES FUNCTION	CLG. 18"		MOTOR RATED SWITCH AND PILOT	46"		MOTOR RATED SWITCH	46"		MOTOR STARTER SWITCH WITH MOTOR RUNNING PROTECTION (ADD RELAY IF CONTROL CONTACTS ARE REQUIRED)	46"		DISCONNECT SWITCH - NON FUSED	6'-0"		DISCONNECT SWITCH - FUSED	6'-0"		MOTOR STARTER	6'-0"		COMBINATION STARTER/DISCONNECT SWITCH	6'-0"		PUSHBUTTON - WALL MOUNTED. EPO = EMERGENCY POWER-OFF.	30" - 36"		PUSHBUTTON DOOR ACTUATOR - WALL MOUNTED.	33" EXTERIOR 42" INTERIOR		POWER POLE (DEVICES AS INDICATED)			MOTOR. SEE MOTOR AND EQUIPMENT SCHEDULE			POKE-THROUGH (PT) OR FLOOR BOX (FB). FULLY RECESSED IN FLOOR. REFER TO POKE-THROUGH AND FLOOR BOX SCHEDULE.	FLR		WALL MOUNTED FURNITURE FEED	18"		CORD REEL / CORD AND PLUG SET - CEILING MOUNTED. SEE PLANS FOR MORE INFORMATION.		NURSE CALL DEVICES																																																																																																		
B	ON DEMOLITION DRAWINGS, DASHED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO BE REMOVED. SOLID SCREENED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN, UNLESS NOTED OTHERWISE.		STRIP LIGHT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.			MICROPHONE OUTLET (WALL OR CEILING). (1/2" BUSHED EMT TO ACCESSIBLE CEILING).	18"		AUXILIARY INPUT CONNECTOR (1/2" BUSHED EMT TO ACCESSIBLE CEILING).	18"		INTERCOM. M = MASTER STATION (1/2" BUSHED EMT TO ACCESSIBLE CEILING).	TOP AT 46" AFF		COMMUNICATIONS OUTLET FOR TV (WALL OR CEILING). (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). SEE DETAIL SHEETS.	18"		VOLUME CONTROL (1/2" BUSHED EMT TO ACCESSIBLE CEILING).	46"		CALL BACK SWITCH (1/2" BUSHED EMT TO ACCESSIBLE CEILING).	46"		TV/VIDEO CAMERA CLOSED CIRCUIT (WALL OR CEILING MOUNTED, 3/4" BUSHED EMT TO ACCESSIBLE CEILING). MOUNT PER DRAWINGS. CAMERA BY OTHERS.			CLOCK OUTLET (3/4" BUSHED EMT TO ACCESSIBLE CEILING). D = DOUBLE FACED	90"		BELL/AUDIBLE DEVICE (3/4" BUSHED EMT TO ACCESSIBLE CEILING).	90"		WALL DATA AND COMMUNICATIONS OUTLET: (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). #N INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS.	18"		CEILING DATA OUTLET AND WIRELESS ACCESS POINT: (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). #N INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS.			FIRE ALARM ANNUNCIATOR PANEL;	TOP AT 60" AFF		FIRE ALARM CONTROL PANEL (MASTER);	TOP AT 68" AFF		FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT PANEL MOUNT TOP 62" AFF PLUS OR MINUS 2".	TOP AT 62 ± 2" AFF		FIRE ALARM MANUAL PULL STATION.	46"		FIRE ALARM HORN (AUDIBLE), WALL MOUNTED.	84"		FIRE ALARM CHIME (WP FOR EXTERIOR MOUNTING). B = BELL	84"		FIRE ALARM STROBE (VISUAL) DEVICE (WALL OR CEILING MOUNTED).	84"		FIRE ALARM HORN/STROBE (COMBINATION) (WALL OR CEILING MOUNTED).	84"		FIRE ALARM VOICE/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). #N INDICATE THE FOLLOWING: WG WIRE GUARD WP WEATHER PROOF VE VOICE EVAC	84"		FIRE ALARM SPEAKER WITH BACKBOX (WALL OR CEILING). VERIFY MOUNTING HEIGHT. (3/4" BUSHED EMT TO ACCESSIBLE CEILING).	84" CLG		FIREMAN PHONE JACK; MOUNT TOP 54" AFF PLUS OR MINUS 2".			MAGNETIC DOOR HOLD-OPEN (WALL MOUNTED), MOUNT PER DWGS.			SPRINKLER FLOW-SWITCH; MOUNT PER DWGS.			SPRINKLER TAMPER-SWITCH; MOUNT PER DWGS.			SMOKE DETECTOR-CEILING MOUNTED.			COMBINATION SMOKE & CARBON MONOXIDE DETECTOR - CEILING MOUNTED.			HEAT DETECTOR (RATE-OF-RISE); #F = FIXED TEMPERATURE - CEILING MOUNTED.			DUCT SMOKE DETECTOR; MOUNT PER DWGS.			FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE; MOUNT PER DWGS.			FIRE ALARM CONTROL MODULE; MOUNT PER DWGS.			FIRE/SMOKE DAMPER; MOUNT PER DWGS.			CARD READER ROUGH-IN AT ADA HEIGHT	46"		DOOR RELEASE; MOUNT PER DWGS.	46"		ELECTRIC EYE; MOUNT PER DWGS.	46"		KEYPAD; VERIFY MOUNTING HEIGHT WITH DWGS.	46"		LOCAL ALARM	46"		MASTER CONTROL STATION			MOTION DETECTOR; ARROW INDICATES DIRECTION (WALL OR CEILING MOUNTED).			PHOTO-ELECTRIC RECEIVER; MOUNT PER DWGS.			PHOTO-ELECTRIC TRANSMITTER; MOUNT PER DWGS.			SECURITY CAMERA, CLOSED CIRCUIT (WALL OR CEILING MOUNTED, 3/4" BUSHED EMT TO ACCESSIBLE CEILING). CAMERAS BY OTHERS.			360° SECURITY CAMERA, CLOSED CIRCUIT (WALL OR CEILING MOUNTED, 3/4" BUSHED EMT TO ACCESSIBLE CEILING). CAMERAS BY OTHERS.			SWITCHING NOTATION: #N INDICATES THE FOLLOWING: 3 THREE-WAY 4 FOUR-WAY D DIMMER K KEYPAD LV LOW VOLTAGE NC MOMENTARY CONTACT OS INTEGRAL OCCUPANCY SENSOR PL LIGHTED PILOT LIGHT TO TIME DELAY EACH SYMBOL DENOTES A SINGLE POLE LIGHT SWITCH WHEN MULTIPLE SWITCHES ARE SHOWN, LOCATE ALL UNDER SINGLE MULTI-SWITCH COVERPLATE.	46"		PHOTOCELL - WALL, CEILING, OR ROOF MOUNTED; SEE DRAWINGS.			OCCUPANCY SENSOR - WALL OR CEILING CEILING MOUNT OS# INDICATES TYPE PER OCCUPANCY SENSOR SCHEDULE	46"		EMERGENCY LIGHTING RELAY (UL 924) - SEE WIRING SCHEMATIC ON DETAIL SHEETS.			SECURITY DEVICE. #N INDICATES THE FOLLOWING: CM CONTROL MODULE DC DOOR CONTACTS (MONITORING) EL ELECTRIC LOCKLATCH ES ELECTRIC STRIKE GB GLASS BREAK DETECTOR IR INFRARED DETECTOR ML MAGNETIC LOCK XP EXIT PUSHBUTTON, MOUNT AT ADA HT XS EXIT SENSOR			GROUND			INDICATES CONDUIT ROUTED BELOW, IN FLOOR STRUCTURE, BELOW GRADE, OR AS NOTED.			INDICATES CONDUIT IS SURFACE MOUNTED			INDICATES CONDUIT ROUTED CONCEALED ABOVE FLOOR OR GRADE (IN CEILING OR WALL)			INDICATES CONDUIT UP			INDICATES CONDUIT DOWN			CONDUIT STUB - TERMINATION INDICATED BY NOTE			CONDUIT CONTINUATION			CONDUIT SLEEVE WITH BUSHINGS ON BOTH ENDS. SEE SCHEDULE FOR QUANTITIES AND SIZES OF SLEEVES			CABLE TRAY (WIDTH X DEPTH)	12"x4"		INDICATES 1" CONDUIT, (3) NO. 4 AWG CONDUCTORS AND (1) NO. 3 GROUND WIRE	12"x4" 1#3G		SURFACE RACEWAY ASSEMBLY. PROVIDE AS SPECIFIED, UNLESS NOTED OTHERWISE.	

GENERAL ELECTRICAL NOTES

- INSTALL CONCEALED CONDUIT WITH FLUSH J.B.'S IN WALLS AND CEILINGS UNLESS NOTED OTHERWISE. IN FINISHED AREAS WITH INACCESSIBLE WALLS OR CEILINGS, PROVIDE SURFACE (WIRE MOLD) RACEWAY; PAINT TO MATCH COLOR OF ADJACENT WALL OR CEILING.
- RACEWAYS SHALL CONTAIN A GROUNDING CONDUCTOR.
- CIRCUITS SUPPLYING LINE TO NEUTRAL LOADS SHALL HAVE DEDICATED NEUTRALS, I.E. ONE NEUTRAL PER PHASE. NEUTRAL CONDUCTORS SHALL HAVE TRACER STRIPE ALONG ENTIRE LENGTH INDICATING ASSOCIATED PHASE.
- BUILDING CONDUCTORS SHALL BE THWN/THHN. CONDUCTORS IN UNDERGROUND CONDUIT OUTSIDE OF BUILDINGS SHALL BE XHHW. NUMBERS AT RECEPTABLES AND LIGHT FIXTURES CORRESPOND DIRECTLY WITH PANELBOARD CIRCUIT NUMBERS AS SCHEDULED. BRANCH CIRCUIT WIRING AND HOMERUNS ARE NOT SHOWN FOR CLARITY. ACCURATE RECORD DRAWING INFORMATION IS TO BE PROVIDED AT THE PROJECT COMPLETION. TYPICAL THROUGHOUT. REFER TO SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.
- REFER TO CONTRACT DOCUMENTS FOR SEQUENCE OF CONSTRUCTION AND PHASING OF THE CONTRACT.
- SWITCHES SHALL BE MOUNTED PER ADA REQUIREMENTS. 46" AFF. UNLESS OTHERWISE NOTED, RECEPTABLES AND TELECOMMUNICATION OUTLETS IN FINISHED AREAS SHALL BE MOUNTED 18" AFF. RECEPTABLES IN UN-FINISHED SPACES SHALL BE MOUNTED AT 46" OR 4" ABOVE WORK SURFACE. COORDINATE RECEPTACLE MOUNTING HEIGHTS WITH MILLWORK LOCATIONS, ARCHITECTURAL ELEVATIONS, AND MASONRY COURSING.
- CRITICAL DEVICES / EQUIPMENT, INCLUDING TELEPHONE, COMPUTER, SECURITY, AND FIRE ALARM, AFFECT ASSOCIATED SYSTEMS BUILDING-WIDE. THESE SYSTEMS MUST REMAIN OPERATIONAL DURING THE CONSTRUCTION. INDIVIDUAL DEVICES MAY BE DISCONNECTED AND/OR RECONNECTED DURING CONSTRUCTION. COORDINATE POWER OUTAGES WITH OWNER. PROVIDE TEMPORARY PANEL(S) AND/OR CIRCUIT(S) AS/IF NECESSARY TO MAINTAIN CONTINUITY. PROTECT FROM PHYSICAL AND DUST DAMAGE.
- THE BUILDING SHALL MAINTAIN POWER THROUGHOUT THE CONSTRUCTION PROCESS. COORDINATE ENERGIZATION OF NEW EQUIPMENT AND THE CORRESPONDING RECONNECTION OF EXISTING AFFECTED ELECTRICAL DISTRIBUTION EQUIPMENT.
- SEE RELATED PLUMBING AND HVAC DRAWINGS FOR LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. COORDINATE INTERCONNECTION REQUIREMENTS WITH EQUIPMENT SHOP DRAWINGS. WIRING FOR MISCELLANEOUS HVAC DEVICES AND CONTROLLERS SUCH AS DAMPER MOTORS, THERMOSTATS, DUCT SMOKE DETECTORS, FREEZESTATS, DIFFERENTIAL PRESSURE SWITCHES, OCCUPIED AND UNOCCUPIED SELECTOR SWITCHES, ALARM LIGHTS, ETC., NOT SHOWN ON ELECTRICAL DRAWINGS IS DIVISION 23 WORK.
- FIELD VERIFY EXISTING CONDITIONS. DISCREPANCIES BETWEEN THE DRAWING AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDS.
- MAINTAIN EXISTING CIRCUIT CONTINUITY ON ALL SYSTEMS ON THE SITE THAT ARE EXISTING TO REMAIN.
- PROVIDE ALL CONDUIT HOMERUNS AS 3/4" MIN.
- COORDINATE ALL WORK WITH OTHER CONTRACTORS AND OWNER.
- ALL CUTTING AND PATCHING FOR DIV. 26 WORK SHALL BE UNDER SUPERVISION AND APPROVAL OF ARCHITECT.
- REMOVE AND/OR REINSTALL ELECTRICAL DEVICES IN ALL AREAS OF WORK AS REQUIRED AND REPLACE ANY ELECTRICAL DEVICES DAMAGED BY WORK. NOT ALL DEVICES MAY BE SHOWN ON DRAWINGS.
- PROVIDE ALL BOXES, FITTINGS, CONDUIT, WIRING, TERMINATIONS, EQUIPMENT, ETC. FOR A COMPLETE INSTALLATION.
- BRANCH 20A CIRCUIT CONDUCTORS SHOULD BE SIZED AS FOLLOWS:

120V CCT LENGTH	277V CCT LENGTH	AWG
< 75'	< 130'	12
75' - 120'	130' - 215'	10
120' - 200'	215' - 330'	8

ELECTRICAL DRAWINGS

E0.00	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E8.00	ELECTRICAL PLANS AND RISER DIAGRAM
E0.01	ELECTRICAL DETAILS

LIFT STATION GENERATOR ENCLOSURE

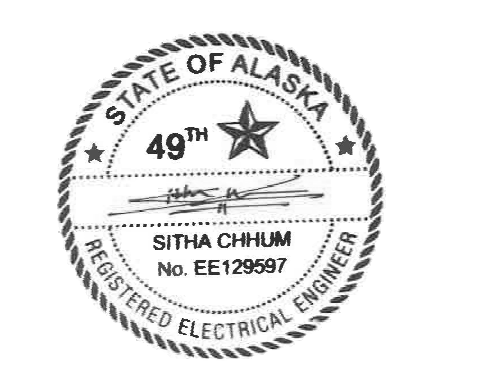
Wood St.,
Wrangell, AK 99929

Wrangell Medical Center
3100 Channel Drive, Suite 300
Juneau, Alaska 99801



WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

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Description	Revisions	
	Date	Num
Addendum #4	4/12/2019	1
SI #11	12/11/19	2
SI #13	3/6/2020	3

Comm: 206054
Date: 01/24/22
Drawn: GE
Check: SC

ELECTRICAL SYMBOLS AND ABBREVIATIONS

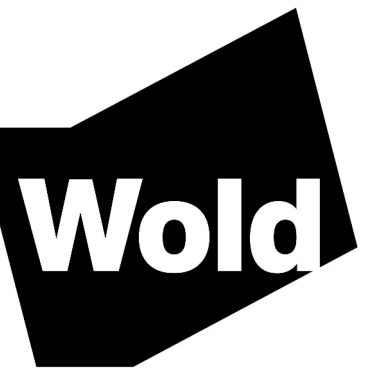
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**LIFT STATION
GENERATOR
ENCLOSURE**

Wood St.,
Wrangell, AK 99929

Wrangell Medical Center
3100 Channel Drive, Suite 300
Juneau, Alaska 99801

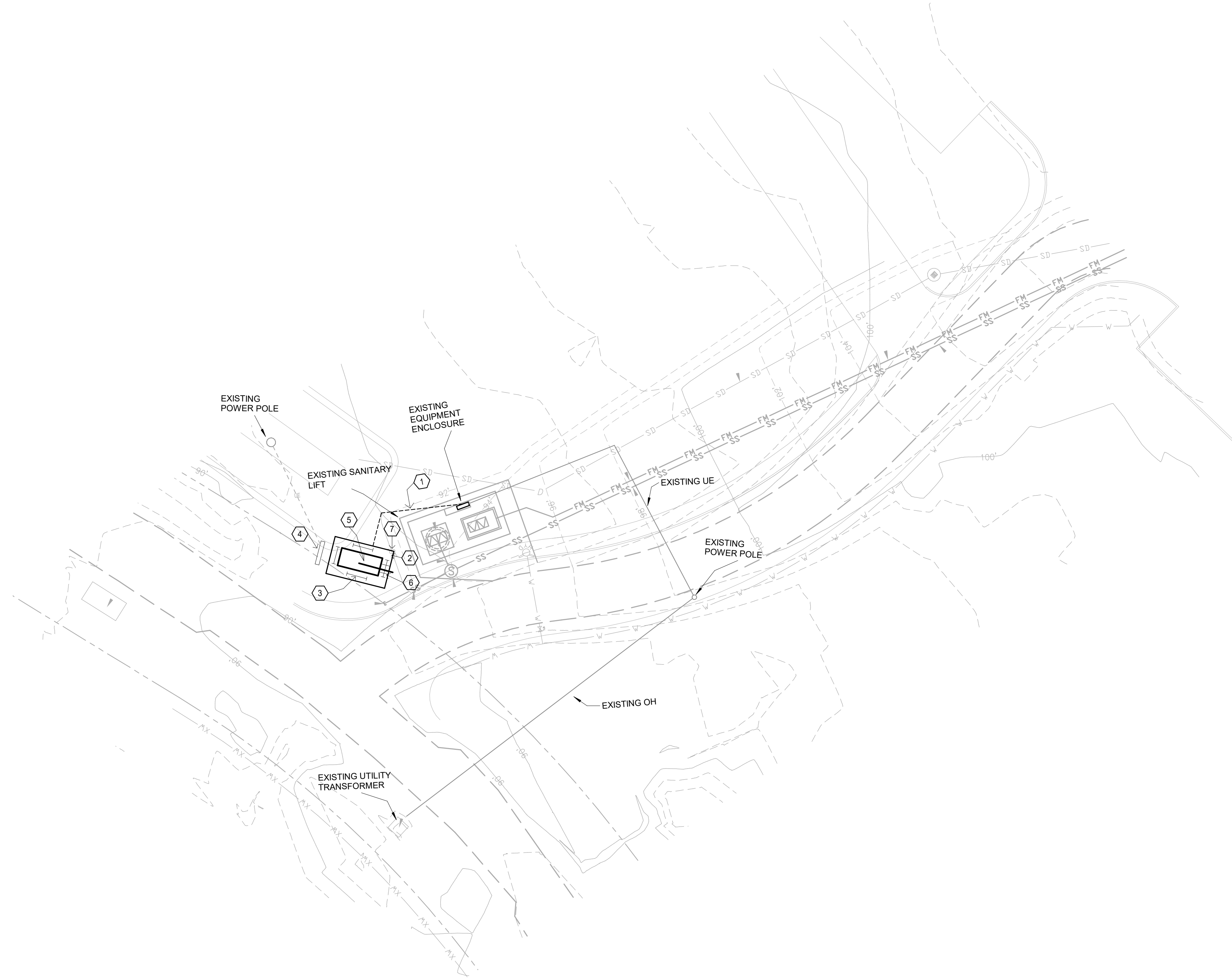


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- GENERAL SHEET NOTES**
- ALL LIGHTING AND POWER CONDUCTORS SHALL BE INSTALLED BETWEEN 24" (MINIMUM) AND 36" (MAXIMUM) BELOW FINISHED GRADE.
 - ALL COMMUNICATIONS CONDUIT AND CABLES SHALL BE INSTALLED 36" (MINIMUM) BELOW FINISHED GRADE.
 - ALL UNDERGROUND CIRCUITS SHALL BE #10 AWG MINIMUM IN 1" PVC-90 CONDUIT.
 - PROVIDE PULL WIRE IN ALL EMPTY CONDUITS.
 - PROVIDE DETECTABLE UNDERGROUND TAPE ABOVE EACH UNDERGROUND CONDUIT.
 - HANDHOLES AND PULLBOXES MAY NOT BE INDICATED ON PLANS. PROVIDE AS REQUIRED FOR INSTALLATION.

- KEYED POWER & SYSTEMS NOTES**
- PROPOSED ROUTING OF UNDERGROUND ELECTRIC LINES. COORDINATE WITH EXISTING UNDERGROUND UTILITIES.
 - PROVIDE GFI WP DOUBLE DUPLEX RECEPTACLE WITH IN USE COVER NEXT TO LIGHT SWITCHES. CONNECT TO SAME 120V CIRCUIT AS LIGHTING.
 - PROVIDE (4) ENCLOSED AND GASKETED LUMINAIRES CONTROLLED BY LIGHT SWITCH. LITHONIA FEM-148-3000L-AMAFI-WD-MVOLT-GZ10-40K-80CRI OR APPROVED EQUAL.
 - EXISTING MONUMENT SIGN. FIELD LOCATE ELECTRICAL CONNECTIONS AND PROTECT DURING SITE WORK. IF UNABLE TO MAINTAIN EXISTING LOCATION, PROVIDE HANDHOLE AND SPLICE/EXTEND WIRING AS REQUIRED.
 - PROVIDE 3-INCH EXHAUST PIPE FOR GENERATOR AND ROUTE ABOVE EXHAUST LOUVER. EXTEND SLIGHTLY PAST ROOF OVERHANG.
 - PROVIDE 22" x 22" DUCT FOR EXHAUST.
 - PROVIDE (1) LITHONIA WST LED SERIES. LITHONIA WST-LED-P2-40K-VF-MVOLT. LIGHT CONTROLLED BY ANOTHER WALL SWITCH.



D2 PARTIAL SITE PLAN
NOT TO SCALE

GENERAL NOTES:

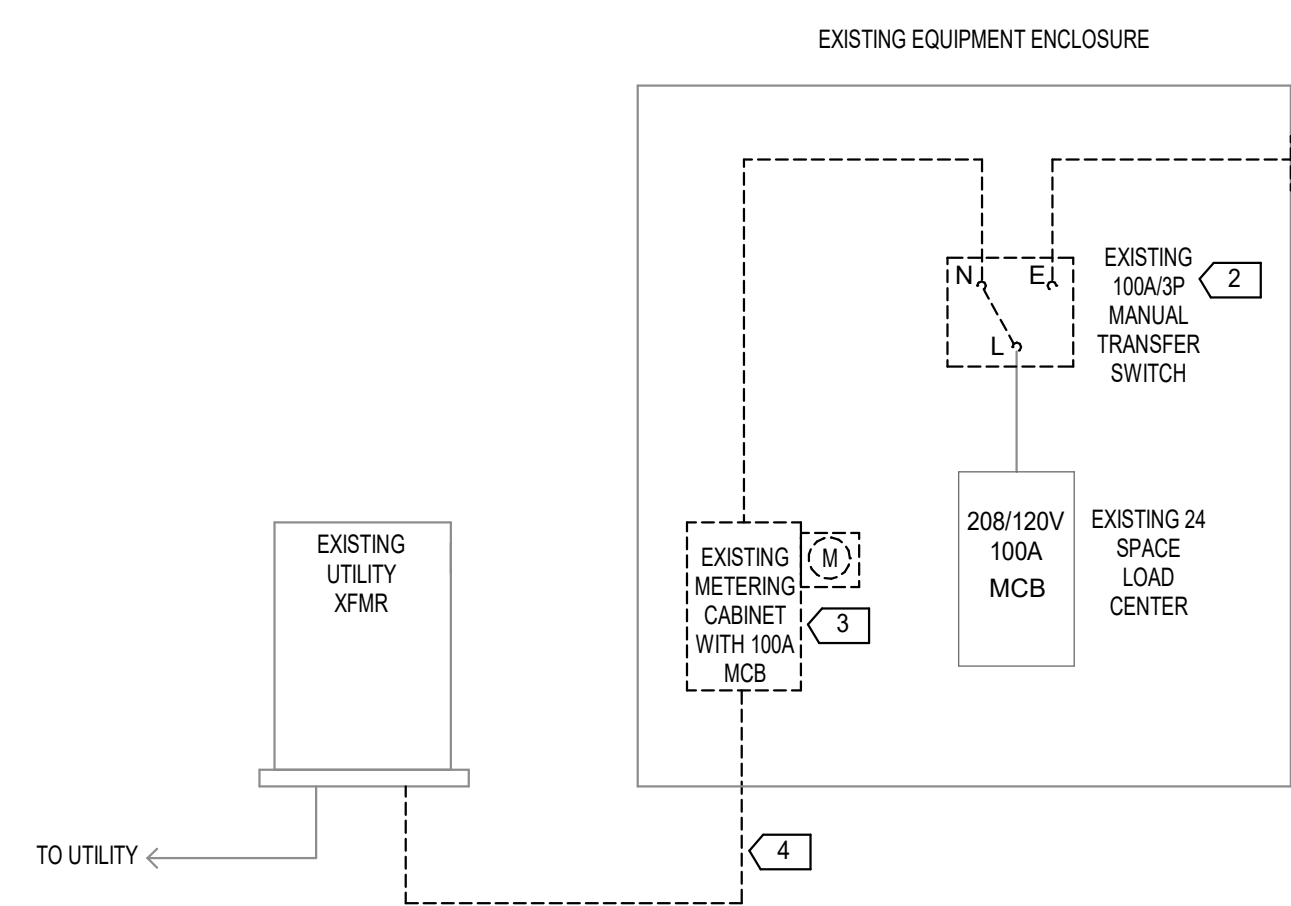
- PROVIDE COPPER CONDUCTORS UNLESS OTHERWISE NOTED.
- PROVIDE XHHW INSULATION FOR UNDERGROUND CONDUCTORS.
- PROVIDE GALVANIZED RIGID STEEL CONDUIT FOR EXPOSED EXTERIOR CONDUITS.
- PROVIDE CONCRETE PAD FOR FLOOR-MOUNTED EQUIPMENT. EXTEND PAD 4" PAST FOOTPRINT OF EQUIPMENT.

DEMOLITION KEYED NOTES:

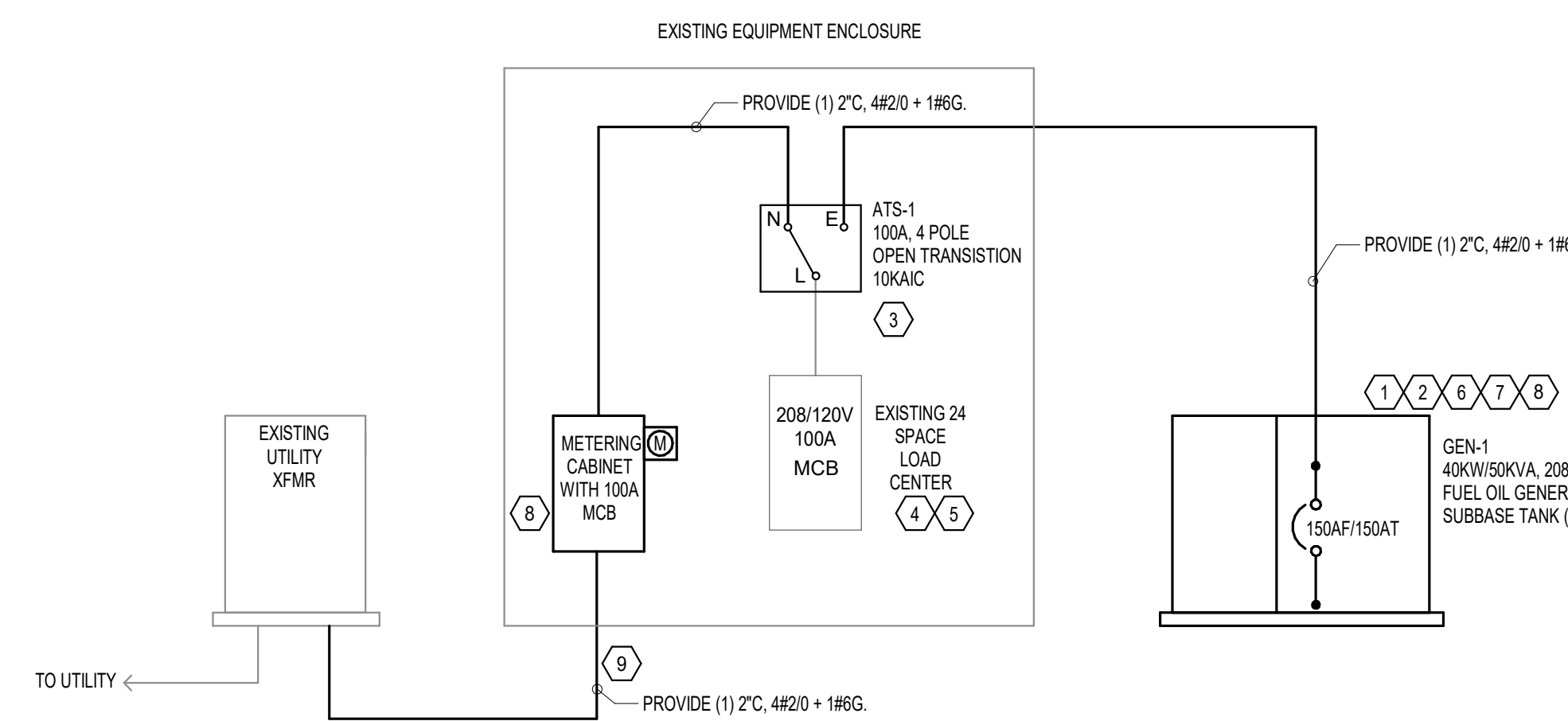
- REMOVE EXISTING GENERATOR RECEPTACLE BACK TO MANUAL TRANSFER SWITCH. TURN OVER RECEPTACLE TO OWNER.
- REMOVE EXISTING 100A MANUAL TRANSFER SWITCH AND TURN OVER TO OWNER. PREPARE NORMAL LINE AND LOAD CIRCUITRY FOR REUSE. DEMOLISH SWITCH AFTER PERMANENT GENERATOR HAS BEEN SET TO MINIMIZE OUTAGE.
- REMOVE EXISTING COMBINATION METER SOCKET/SERVICE DISCONNECT AND TURN OVER TO OWNER.
- PREPARE EXISTING SERVICE LATERAL STUB-UP FOR EXTENSION. EXTEND CONDUIT TO BACKSIDE OF ENCLOSURE. CUT AND DRILL EXISTING ENCLOSURE TO ACCOMMODATE NEW ROUTE. SEAL AND PAINT ALL EXPOSED METAL. AS REQUIRED.

REMDELLED KEYED NOTES:

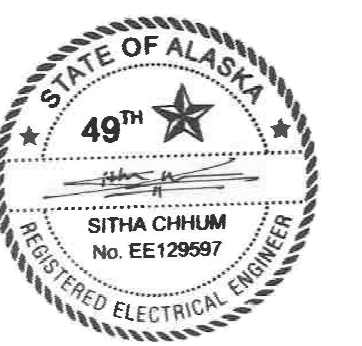
- GENERATOR FURNISHED BY OWNER. INSTALLED BY ELECTRICAL.
- GENERATOR TO BE A SEPERATELY DERIVED SYSTEM. PROVIDE 1/2" X 10' COPPER CLAD GROUND ROD AT OPPOSITE CORNERS OF CONCRETE PAD. EXOTHERMIC WELD #30 COPPER GROUND CONNECTION TO GENERATOR AT EACH GROUND ROD. PROVIDE ADDITIONAL GROUND RODS AS REQUIRED TO OBTAIN 25 OHMS GROUND RESISTANCE.
- INSTALL OWNER FURNISHED AUTOMATIC TRANSFER SWITCH. ATS TO FIT IN SAME LOCATION AS DEMOLISHED MANUAL TRANSFER SWITCH APPROXIMATELY 18"W x 32"H x 13"D MAX. FIELD VERIFY EXACT DIMENSIONS OF EXISTING EQUIPMENT ENCLOSURE AND MODIFY LINE AND LOAD SIDE CONNECTIONS AS REQUIRED.
- PROVIDE 60A/3P BREAKER AND (1) 1.5"C, 3#4 + 1#8G TO GENERATOR SINGLE POINT CONNECTION. GENERATOR ACCESSORIES ARE FACTORY WIRED TO THE SINGLE POINT CONNECTION.
- PROVIDE (1) 20A/1P BREAKERS AND (1) 1"C, 2#10 + 1#10G TO GENERATOR SHED FOR LIGHTING AND POWER.
- INSTALL OWNER FURNISHED GENERATOR REMOTE SHUT-OFF ON INSIDE OF SHED. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- OUTPUT OF GENERATOR CONTROLLER TO BE INTERCONNECTED TO EXISTING SCADA INPUTS IN EQUIPMENT ENCLOSURE FOR ALARM. PROVIDE EMPTY (2) 1" CONDUIT FOR USE BY OWNER'S SCADA VENDOR. ROUTE FROM GENERATOR AND STUB INTO EQUIPMENT ENCLOSURE.
- PROVIDE NEMA 3R COMBINATION METERING CABINET WITH SERVICE DISCONNECT ON BACKSIDE OF ENCLOSURE. COORDINATE ALL REQUIREMENTS WITH UTILITY COMPANY.
- EXTEND EXISTING CONDUIT AND PROVIDE WIRING TO NEW LOCATION OF METERING CABINET.



F1 PARTIAL RISER DIAGRAM-EXISTING
NOT TO SCALE



F3 PARTIAL RISER DIAGRAM - REMODELLED
NOT TO SCALE



Description	Revisions	
	Date	Num.

Comm: 206054
Date: 01/24/22
Drawn: GE
Check: SC

**ELECTRICAL
PLANS AND RISER
DIAGRAM**

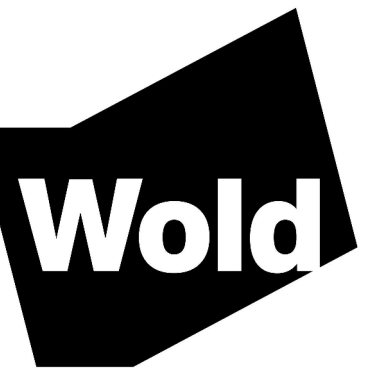
Scale: As indicated

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**LIFT STATION
GENERATOR
ENCLOSURE**

Wood St.,
Wrangell, AK 99929

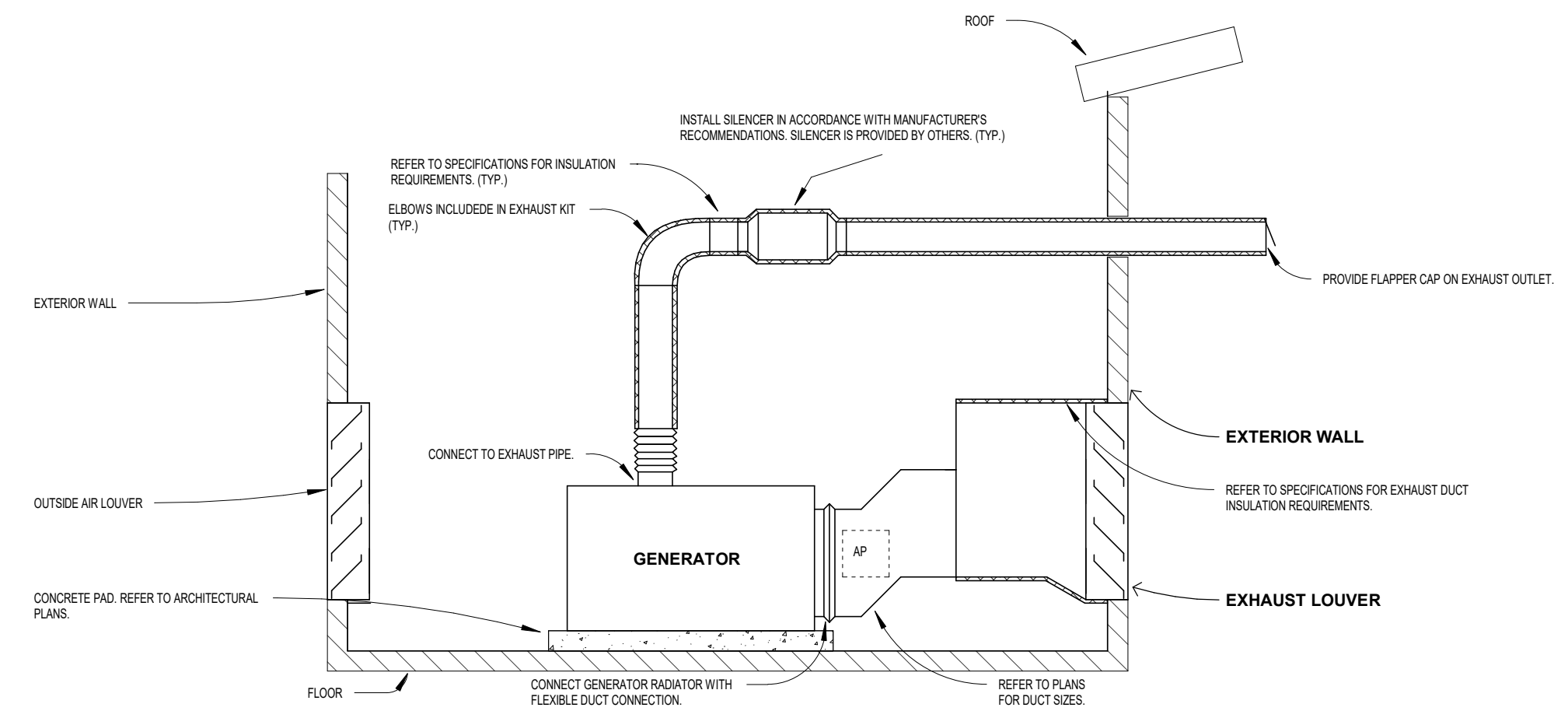
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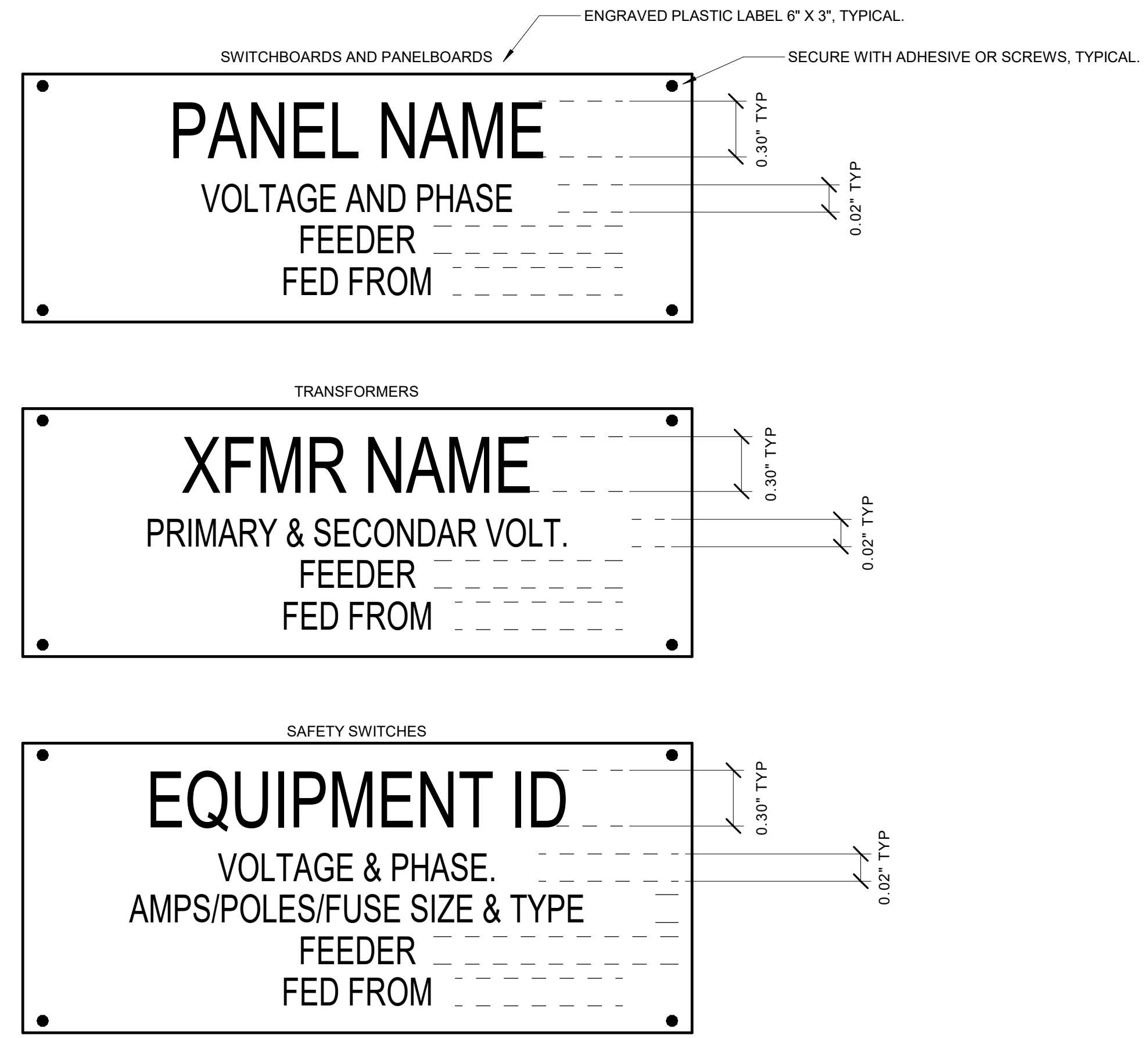
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MN



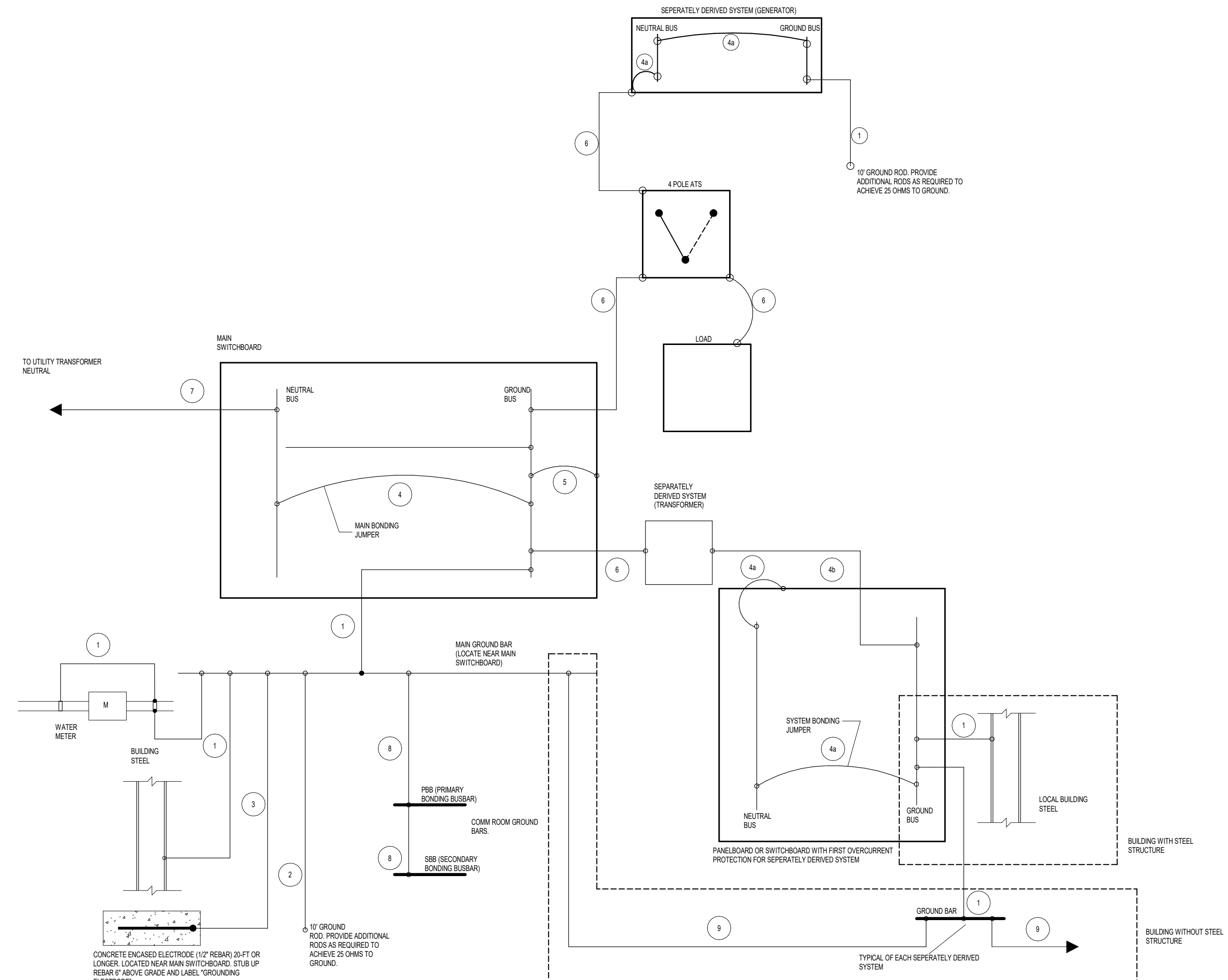
NOTE:
- INSTALL AS REQUIRED PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS
- GENERATOR IS PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE INSTALLATION AS REQUIRED
- REFER TO PLANS FOR PIPE SIZE AND HANGING

B2 GENERATOR DETAIL
NOT TO SCALE



NOTE:
A. PROVIDE LABELS FOR ALL ELECTRICAL EQUIPMENTS BEING INSTALLED, INCLUDING SWITCHBOARDS, PANELBOARDS, SAFETY SWITCHES, TRANSFORMERS, ETC.
B. FEEDER TO BE IN THE FOLLOWING FORM: (1) 1/2\"/>

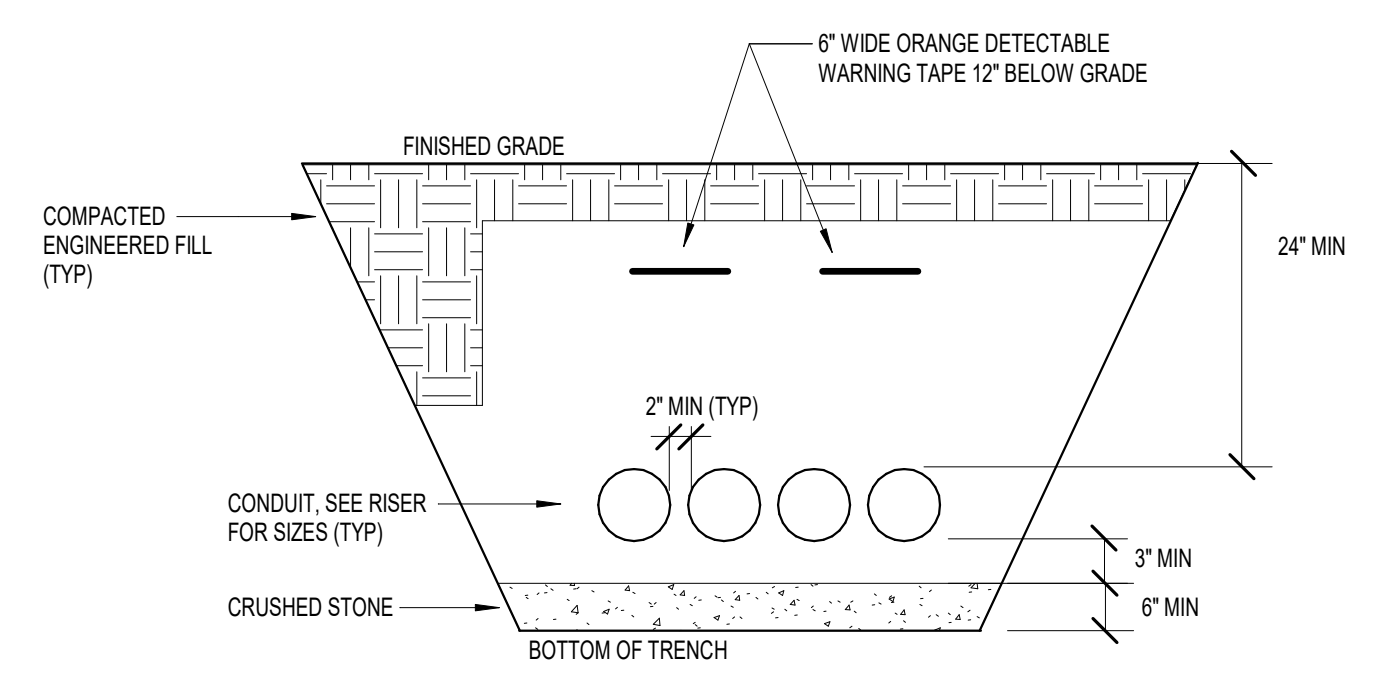
C6 EQUIPMENT LABELS
NOT TO SCALE



LEAD NO.	DESCRIPTION	SIZE	TYPE	REMARKS
1	GROUNDING ELECTRODE CONDUCTOR	PER NEC 250.90(T) TABLE 250.96	BASE OR INSUL. COPPER	
2	GROUNDING ELECTRODE CONDUCTOR, CONNECT TO HOUL PIPE OR PLATE ELECTRODE	PER NEC 250.90 (M) (AVG)	BASE COPPER	
3	CONCRETE ENCASED ELECTRODE	PER NEC 250.90 (M) (AVG)	BASE COPPER	
4	MAIN BONDING JUMPER	PER NEC 250.281(T) TABLE 250.125(D)(1)	BASE COPPER	
4A	SYSTEM BONDING JUMPER	PER NEC 250.281(T) TABLE 250.125(D)(1)	BASE COPPER	
4B	SUPPLY SIDE BONDING JUMPER	PER NEC 250.281(T) TABLE 250.30	INSULATED COPPER	
5	EQUIPMENT BONDING JUMPER	PER NEC 250.130	BASE COPPER	
6	EQUIPMENT GROUNDING CONDUCTOR	PER NEC 250.120(T) TABLE 250.122	INSULATED COPPER	
7	GROUNDING SERVICE CONDUCTOR (NEUTRAL)	SEE RISER DIAGRAM	INSULATED COPPER	
8	COMMUNICATION ROOM TELECOM BONDING BACKBONE	PER ANSI/TIA 607-C (MIN 4W AWG)	INSULATED COPPER	
9	COMMON GROUNDING ELECTRODE CONDUCTOR	PER NEC 250.30 (MIN 4W AWG)	INSULATED COPPER	

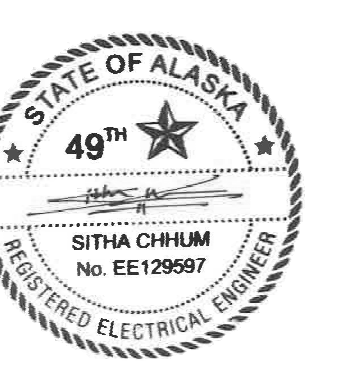
NOTES:
1. SEE DETAIL SHEETS FOR ADDITIONAL INFORMATION ON GROUND BUSES

F2 GROUNDING DETAIL
NOT TO SCALE



NOTES:
1. PROVIDE PULL LINE IN EACH SPARE CONDUIT.
2. PROVIDE W/ANFEE DUCT SPACERS WITH 12\"/>

F6 UNDERGROUND CONDUIT DETAIL
NOT TO SCALE



Description	Revisions	
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**ELECTRICAL
DETAILS**

Scale: As indicated

E8.01

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