

YAKAMA NATION FISHERIES FACILITY STORAGE UPGRADE PROJECT

PINEY WOODS FIELD STATION, TWISP WA



PINEY WOODS FIELD STATION VICINITY MAP
NTS

PROSPECTUS

UTILITIES	JURISDICTION
WATER	SITE WELL
STORM WATER	OKANOGAN COUNTY
SANITARY SEWER	OKANOGAN HEALTH DISTRICT
POWER	OKANOGAN COUNTY ELECTRIC

PROJECT TEAM

ENGINEER

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PROONENT

YAKAMA NATION FISHERIES
 401 FORT ROAD
 TOPPENISH, WA 98948

DRAWING INDEX

REV	DATE	DESCRIPTION
1	10/02/2024	PERMITS SET
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S1.0	PINEY WOODS PLAN	
S2.0	PINEY WOODS ELEVATIONS	

REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION



**YAKAMA NATION FISHERIES
 FACILITY STORAGE UPGRADE PROJECT
 PINEY WOODS FIELD STATION**

PESHASTIN, WA & TWISP, WA
 PROJECT NO. 14202.LCC
 DRAWN BY: JRP
 CHECKED BY: ADA

IF NOT ONE INCH ON THIS SHEET
 ADJUST SCALE ACCORDINGLY

COVER

C1.0

LEGEND

	EXISTING STORM DRAIN
	EXISTING SANITARY SEWER
	EXISTING FORCE MAIN
	EXISTING WATER LINE
	EXISTING OVERHEAD POWER
	EXISTING UNDERGROUND POWER
	EXISTING TELEPHONE
	EXISTING FIBER LINE
	EXISTING IRRIGATION LINE
	EXISTING GAS LINE
	EXISTING POWER POLE
	EXISTING POWER VAULT
	EXISTING TELEPHONE VAULT OR RISER
	EXISTING DRYWELL OR STORM DRAIN MANHOLE
	EXISTING CATCH BASIN
	EXISTING SANITARY SEWER MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING WATER METER
	EXISTING WATER WELL
	EXISTING SIGN
	EXISTING EDGE OF PAVEMENT
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED ROOF DRAIN
	PROPOSED STORM DRAIN
	PROPOSED FLOW LINE
	PROPOSED PROCESS WATER LINE
	PROPOSED SANITARY SEWER
	PROPOSED DOMESTIC WATER LINE
	PROPOSED FIRE LINE
	PROPOSED POWER CONDUIT
	PROPOSED FIBER CONDUIT
	PROPOSED FENCE
	PROPOSED POWER VAULT
	PROPOSED SWITCH CABINET
	PROPOSED POWER TRANSFORMER
	PROPOSED FIBER PEDESTAL
	PROPOSED CATCH BASIN
	PROPOSED STORM DRAIN MANHOLE
	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER CLEANOUT
	PROPOSED WATER OR IRRIGATION VALVE
	PROPOSED FIRE HYDRANT
	PROPOSED SIGN
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	FINISHED GRADE ELEVATION
	RIGHT-OF-WAY LINE
	EASEMENT LINE
	PROPOSED HIGH TRAFFIC HOT MIX ASPHALT SURFACE
	PROPOSED REGULAR HOT MIX ASPHALT SURFACE
	PROPOSED CONCRETE
	PROPOSED GRAVEL SURFACE
	SECTION CUT
	DETAIL CALLOUT

STANDARD ABBREVIATIONS

ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
AC	ACRE	NE	NORTHEAST
ACP	ASPHALT CONC. PAVEMENT	NIC	NOT IN CONTRACT
APPROX.	APPROXIMATE(LY)	NO	NUMBER
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	NTS	NOT TO SCALE
ASSY.	ASSEMBLY	NW	NORTHWEST
AUX	AUXILIARY	OD	OUTSIDE DIAMETER, OUTSIDE DIMENSION
AVE	AVENUE	OHP	OVERHEAD POWER LINE
AWWA	AMERICAN WATER WORKS ASSOCIATION	OHP&T	OVERHEAD POWER & TELEPHONE
BLDG	BUILDING	OSS	ONSITE SEWAGE SYSTEM
BLVD	BOULEVARD	PC	POINT OF CURVATURE
BMP	BEST MANAGEMENT PRACTICE	PCC	PORTLAND CONCRETE CEMENT
BST	BITUMINOUS SURFACE TREATMENT	PE	PLAIN END
CB	CATCH BASIN	PERF	PERFORATED
CESCL	CERTIFIED EROSION & SEDIMENT CONTROL LEAD	PI	POINT OF INTERSECTION
CF	CUBIC FEET	P/L	PROPERTY LINE
CFM	CUBIC FEET PER MINUTE	PP	POWER POLE
CFS	CUBIC FEET PER SECOND	PROP	PROPOSED
CI	CAST IRON	PRV	PRESSURE REGULATING VALVE
CIP	CAST IRON PIPE	PT	POINT, POINT OF TANGENCY
CJ	CONSTRUCTION JOINT	PUD	PUBLIC UTILITY DISTRICT
CL	CENTERLINE	PVC	POLYVINYL CHLORIDE
CMP	CORRUGATED METAL PIPE	PVI	POINT OF VERTICAL INTERSECTION
CMU	CONCRETE MASONRY UNIT	PVMT	PAVEMENT
CO	CLEANOUT	PWR	POWER
CONC	CONCRETE	QTY	QUANTITY
CONT	CONTINUOUS	R	RADIUS, RANGE, RIGHT
CPE	CORRUGATED POLYETHYLENE	RCP	REINFORCED CONCRETE PIPE
CSBC	CRUSHED SURFACE BASE COURSE	RD	ROAD
CSTC	CRUSHED SURFACE TOP COURSE	REF	REFERENCE
CTR	CENTER	REINF	REINFORCED
CULV	CULVERT	REQD	REQUIRED
DCSD	DOUGLAS COUNTY SEWER DISTRICT	RJ	RESTRAINED JOINT
DI	DUCTILE IRON	RP	RADIUS POINT
DIA	DIAMETER	RR	RAILROAD
DIM	DIMENSION	ROW	RIGHT OF WAY
DIST	DISTRICT	S	SOUTH, SLOPE
DNR	DEPARTMENT OF NATURAL RESOURCES	SCH	SCHEDULE
DWG(S)	DRAWING(S)	SD	STORM DRAIN
E	EAST	SE	SOUTH EAST
EA	EACH	SEC	SECOND
EL	ELEVATION	SECT	SECTION
EOP	EDGE OF PAVEMENT	SF	SQUARE FEET
EQUIP	EQUIPMENT	SHT	SHEET
ESMT	EASEMENT	SMMEW	STORMWATER MANAGEMENT MANUAL FOR EASTERN WASHINGTON
EWWD	EAST WENATCHEE WATER DISTRICT	SPEC	SPECIFICATIONS
EXIST.	EXISTING	SQ	SQUARE
FF	FINISH FLOOR	SS	SANITARY SEWER
FH	FIRE HYDRANT	ST	STREET
FL	FLANGE, FLOW LINE	STA	STATION
FM	FORCE MAIN	STD	STANDARD
FO	FIBER OPTIC	STD PLN	WSDOT STANDARD PLAN
FT	FOOT, FEET	STL	STEEL
G	GAS	SW	SOUTH WEST
GAL	GALLON	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
GALV	GALVANIZED	SY	SQUARE YARD
GPD	GALLONS PER DAY	TAN	TANGENT
GPM	GALLONS PER MINUTE	TBM	TEMPORARY BENCH MARK
GV	GATE VALVE	TC	TOP OF CURB
H	HORIZONTAL	TEMP	TEMPORARY
HDPE	HIGH DENSITY POLYETHYLENE	TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
HOR	HORIZONTAL	THRU	THROUGH
HP	HIGH PRESSURE	TOC	TOP OF CONCRETE
HT	HEIGHT	TYP	TYPICAL
HWY	HIGHWAY	TWP	TOWNSHIP
HYD	HYDRANT	UG	UNDERGROUND
IBC	INTERNATIONAL BUILDING CODE	UGP	UNDERGROUND POWER
ID	INSIDE DIAMETER	U/P	UTILITY POLE
I.E.	INVERT ELEVATION	USGS	UNITED STATES GEOLOGICAL SURVEY
INV	INVERT	UTIL	UTILITY
L	LEFT	V	VERTICAL
LF	LINEAL FOOT, FEET	VAR	VARIES
LS	LUMP SUM	VC	VERTICAL CURVE
MAINT	MAINTENANCE	VFY.	VERIFY
MAX	MAXIMUM	W	WEST
MB	MAILBOX	WA	WATER
MDD	MAXIMUM DRY DENSITY	W/	WITH
MH	MANHOLE	W/O	WITHOUT
MIC	MONUMENT IN CASE	WM	WATER MAIN, WATER METER, WIRE MESH
MIN	MINIMUM	WS	WATER SERVICE
MISC	MISCELLANEOUS	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
MJ	MECHANICAL JOINT	YD	YARD
MON	MONUMENT	YR	YEAR
MPH	MILES PER HOUR	#	NUMBER, POUNDS
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	&	AND
N	NORTH	@	AT
N/A	NOT APPLICABLE	Ø	DIAMETER, PHASE

- ### GENERAL NOTES
- ALL WORK ON THE SITE AND WITHIN THE MUNICIPAL RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE MUNICIPAL ENGINEER OR A DESIGNATED REPRESENTATIVE.
 - THE CONTRACTOR SHALL CONTACT THE UNDERGROUND UTILITIES LOCATION SERVICE PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
 - ALL LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL RIGHT-OF-WAY, ROAD, UTILITY, ENVIRONMENTAL AND ANY OTHER RELATED PERMITS PRIOR TO CONSTRUCTION ACTIVITY.
 - THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE AS-BUILT RECORDS AND SHALL COORDINATE FINAL AS-BUILT RECORD AND PLAN FORMULATION WITH PACIFIC ENGINEERING & DESIGN AS NECESSARY DURING THE PERFORMANCE OF CONSTRUCTION ACTIVITIES.
 - THE CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS IN ACCORDANCE WITH THE LINES, GRADES AND ROADWAY SECTIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROJECT SURVEYING. THE CONTRACTOR SHALL PROTECT AND MAINTAIN SURVEY BENCHMARKS, CONTROL POINTS, AND MONUMENTS FROM DISTURBANCE DURING CONSTRUCTION.
 - ADJUSTMENTS TO UTILITY AND ROADWAY GRADES MAY BE REQUIRED DURING CONSTRUCTION TO AVOID CONFLICTS. ALL CONFLICTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF PACIFIC ENGINEERING & DESIGN FOR RESOLUTION.
 - ALL UNDERGROUND POWER, TELEPHONE AND CABLE SERVICE CONDUIT SHALL BE INSTALLED BY THE CONTRACTOR IN COORDINATION WITH THEIR RESPECTIVE AGENCIES. LOCATIONS OF TRANSFORMERS, RISERS AND OTHER UNDERGROUND UTILITY APPURTENANCES SHALL BE PER EACH AGENCY PLAN.
 - LOCATION OF ALL PRIVATE IRRIGATION PIPELINES AND APPURTENANCES ARE GENERALLY UNDOCUMENTED. IT IS THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR TO INDEPENDENTLY VERIFY, AVOID AND/OR RELOCATE ANY IRRIGATION UTILITIES SHOWN OR NOT SHOWN ON THE PLANS WHICH MAY BE AFFECTED BY CONSTRUCTION.
 - IF REQUIRED BY THE MUNICIPAL OR UTILITY AGENCY, PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH MUNICIPAL/UTILITY PERSONNEL.
 - A COPY OF THESE APPROVED PLANS SHALL BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. PLANS APPROVED BY THE MUNICIPAL ENGINEER, UTILITY AGENCY AND SEALED BY THE DESIGN ENGINEER SHALL TAKE PRECEDENCE OVER ALL OTHER PLANS.
 - IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE RELOCATION OF ALL EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO POWER POLES, CONDUIT, LUMINAIRES, TRAFFIC SIGNALS, RISERS, ETC., BY CONTACTING THE APPROPRIATE UTILITY COMPANY.
 - QUALITY ASSURANCE AND QUALITY CONTROL SHOULD BE PROVIDED BY THE OWNER TO ENSURE CONTRACTOR CONSTRUCTS/INSTALLS ALL APPURTENANCES CONTAINED HEREIN IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. CONSTRUCTION DEVIATIONS, MEANS AND METHODS SHOULD BE DOCUMENTED BY INSPECTOR ACCORDINGLY. RECOMMENDED QUALITY CONTROL TESTING INCLUDES, BUT IS NOT LIMITED TO, COMPACTION TESTING AND VISUAL INSPECTIONS FOR SUBGRADES, UTILITY TRENCHES, PIPE INSTALLATIONS, BACKFILL AND BACKFILL MATERIALS. LOW PRESSURE AIR TESTS FOR STORM DRAIN AND SANITARY SEWER SYSTEMS, FORMWORK FOR CEMENT CONCRETE CURBS AND PAVEMENTS, CRUSHED SURFACING PRIOR TO PLACEMENT OF HMA.
 - UNLESS DESIGNATED BY THE OWNER, PACIFIC ENGINEERING & DESIGN DOES NOT PROVIDE CONSTRUCTION ENGINEERING OR CONSTRUCTION MANAGEMENT IN ASSOCIATION WITH THESE PLANS. THOSE SERVICES ARE STRICTLY RESERVED TO THE OWNER AND/OR HIS DESIGNATED REPRESENTATIVE.
 - PREVENT SURFACE RUNOFF AND GROUNDWATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING THE PROJECT SITE OR SURROUNDING AREA. PREVENT SUBGRADES FROM SOFTENING, UNDERMINING, WASHOUT, AND DAMAGE FROM SURFACE RUNOFF OR GROUNDWATER. DO NOT USE EXCAVATED TRENCHES TO CONTROL STORMWATER RUNOFF. CONVEY SURFACE RUNOFF AWAY FROM EXCAVATIONS TO PROPER BMPS
 - LEGALLY DISPOSE OF ALL SURPLUS AND WASTE MATERIALS.

STRUCTURAL NOTES

APPLY THE FOLLOWING MINIMUM SPECIFICATION UNLESS NOTED OTHERWISE ON THE CONTRACT PROVISIONS AND TECHNICAL SPECIFICATIONS

REFERENCE CODE
INTERNATIONAL BUILDING CODE, 2018 - LATEST EDITION REFERS TO CURRENT LOCALLY ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE.

DESIGN DATA

SNOW LOAD - PINEY WOOD

GROUND SNOW LOAD, P_s : 93 PSF
 SNOW EXPOSURE FACTOR, C_e : 1.0
 SNOW LOAD IMPORTANCE FACTOR, I_s : 1.0
 THERMAL FACTOR, C_t : 1.2
 DESIGN ROOF SNOW LOAD : 78 PSF (ROOF SNOW LOAD PROVIDED BY JURISDICTION * C_e, NON-REDUCIBLE)

WIND DESIGN DATA

ULTIMATE DESIGN WIND SPEED : VULT = 100 MPH (RISK CATEGORY II BLDG)
 EXPOSURE CATEGORY : C

SEISMIC DESIGN DATA

SEISMIC IMPORTANCE FACTOR, I_s : 1.0
 RISK CATEGORY : II
 SITE CLASS : D (ASSUMED)

FOUNDATIONS

ALLOWABLE SOIL PROPERTIES SHALL BE PER PRESUMPTIVE LOAD-BEARING VALUES FOR TYPE "S" CLASS MATERIALS INDICATED IN TABLE 1806.2 OF THE 2018 IBC, UNLESS AN ENGINEERED SOIL REPORT THAT PROVIDES DATA TO SUBSTANTIATE THE USE OF HIGHER VALUES IS SUBMITTED TO AND APPROVED BY THE GOVERNING JURISDICTION. ALL APPLICABLE REQUIREMENTS NOTED IN SECTION 1806 OF THE 2018 IBC SHALL APPLY.

EXTERIOR FOOTINGS SHALL BEAR 2'-0" MINIMUM BELOW NEAREST EXTERIOR FINISH GRADE (I.N.O.), OR AS REQUIRED BY THE JURISDICTION. THE MOST STRINGENT REQUIREMENTS SHALL GOVERN. ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED EARTH OR ENGINEERED FILL BELOW ORGANIC SURFACE SOILS. ALL BACKFILL SHALL BE THOROUGHLY COMPACTED.

REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
1	02/02/2024	PERMITS SET			

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**YAKAMA NATION FISHERIES
FACILITY STORAGE UPGRADE PROJECT
PINEY WOODS FIELD STATION**

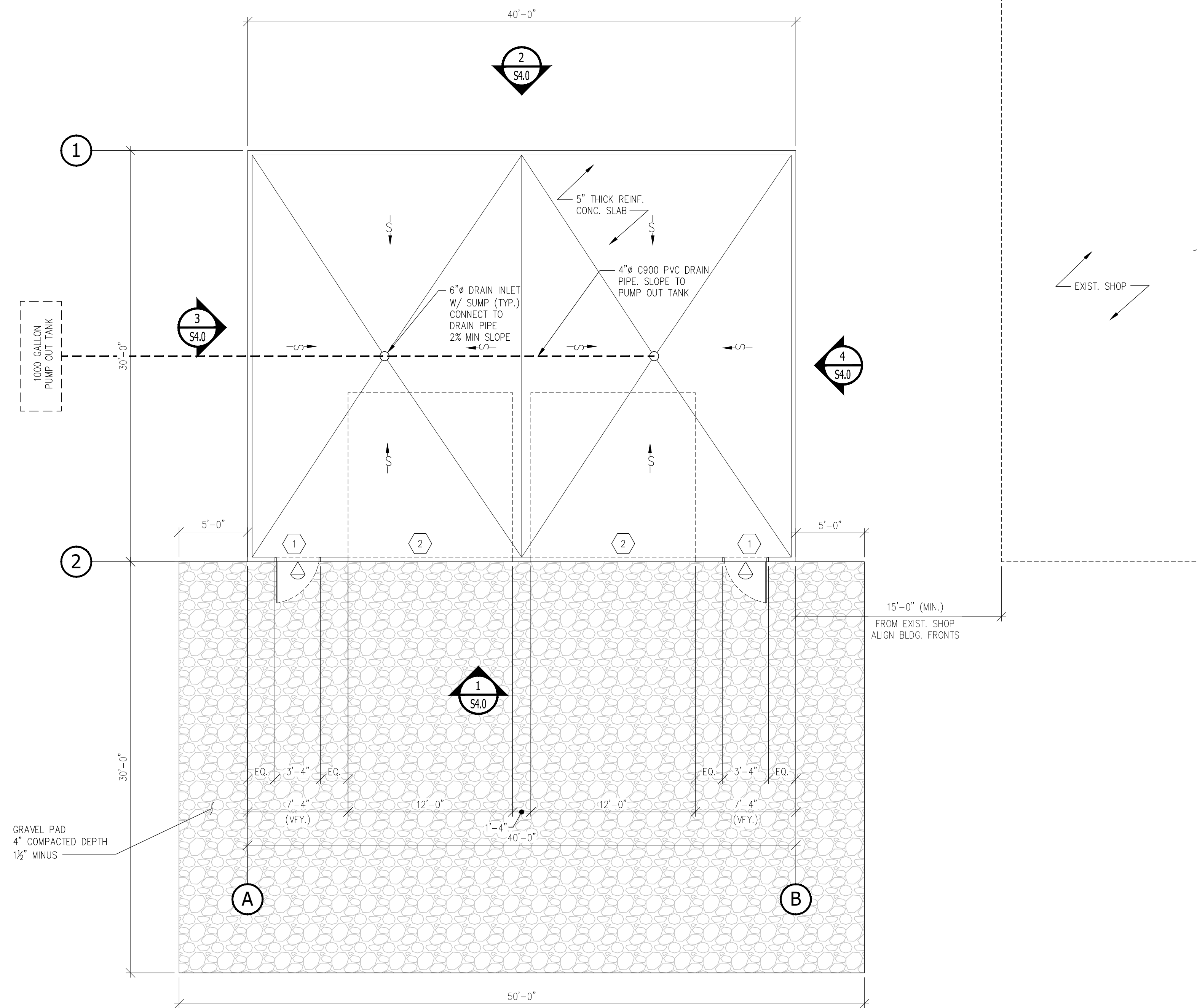
PESHASTIN, WA & TWISP, WA
PROJECT NO. 14202.LCC
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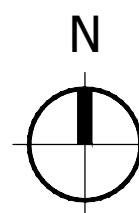
0 1"

**GENERAL NOTES,
LEGEND &
ABBREVIATIONS**

C1.1



PLAN - PINEY WOODS FIELD STATION
3/16" = 1'-0"



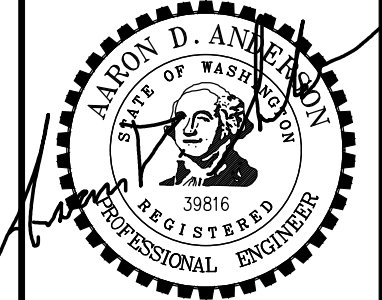
DOOR SCHEDULE			
MARK	SIZE	ROUGH OPENING SIZE	TYPE
①	TYP. MANDOR 3'-0" x 7'-0"	3'-4" x 7'-4"	HOLLOW METAL
②	12'-0" x 12'-0"	12'-0" x 12'-0"	OVERHEAD DOOR

GENERAL NOTES:

- REFER TO STRUCTURAL NOTES (SHEET C1.1), CONTRACT PROVISIONS AND TECHNICAL SPECIFICATIONS, AND OTHER BID DOCUMENTS FOR DESIGN LOADS AND ADDITIONAL INFORMATION AND REQUIREMENTS. ALL REQUIRED ITEMS ARE NOT NOTED OR SHOWN.
- CONTRACTOR SHALL INSTALL AND MATCH NEW EXTERIOR METAL SIDING AND METAL ROOFING IN COLOR TO EXISTING BUILDING SIDING.
- CONTRACTOR SHALL MATCH ALL BUILDING, DOOR, CORNER, AND OPENING TRIM COLOR WITH EXISTING BUILDING.
- CONTRACTOR SHALL PROVIDE METAL DRIP FLASHING OVER ALL OPENINGS, MATCH EXISTING, AND PROVIDE SEALANT CAULK FOR WEATHER TIGHTNESS.
- PROVIDE BACKING AND BLOCKING IN PARTITIONS FOR ALL WALL MOUNTED MECHANICAL, ELECTRICAL, FIXTURES AND ACCESSORIES, I.E. CASEWORK, FIRE EXTINGUISHERS, DOOR STOPS, SHELVING, WALL BUMPERS, CORNER GUARDS, EQUIPMENT RACKS, SPECIAL SIGNAGE AND SIMILAR ITEMS. THE USE OF HOLLOW WALL ANCHORS AND TOGGLE BOLTS ARE NOT PERMITTED.
- § - INDICATES SLOPE DIRECTION. SLOPE TO DRAIN AT 1/4" PER FOOT UNLESS NOTED OTHERWISE.

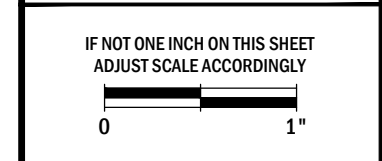
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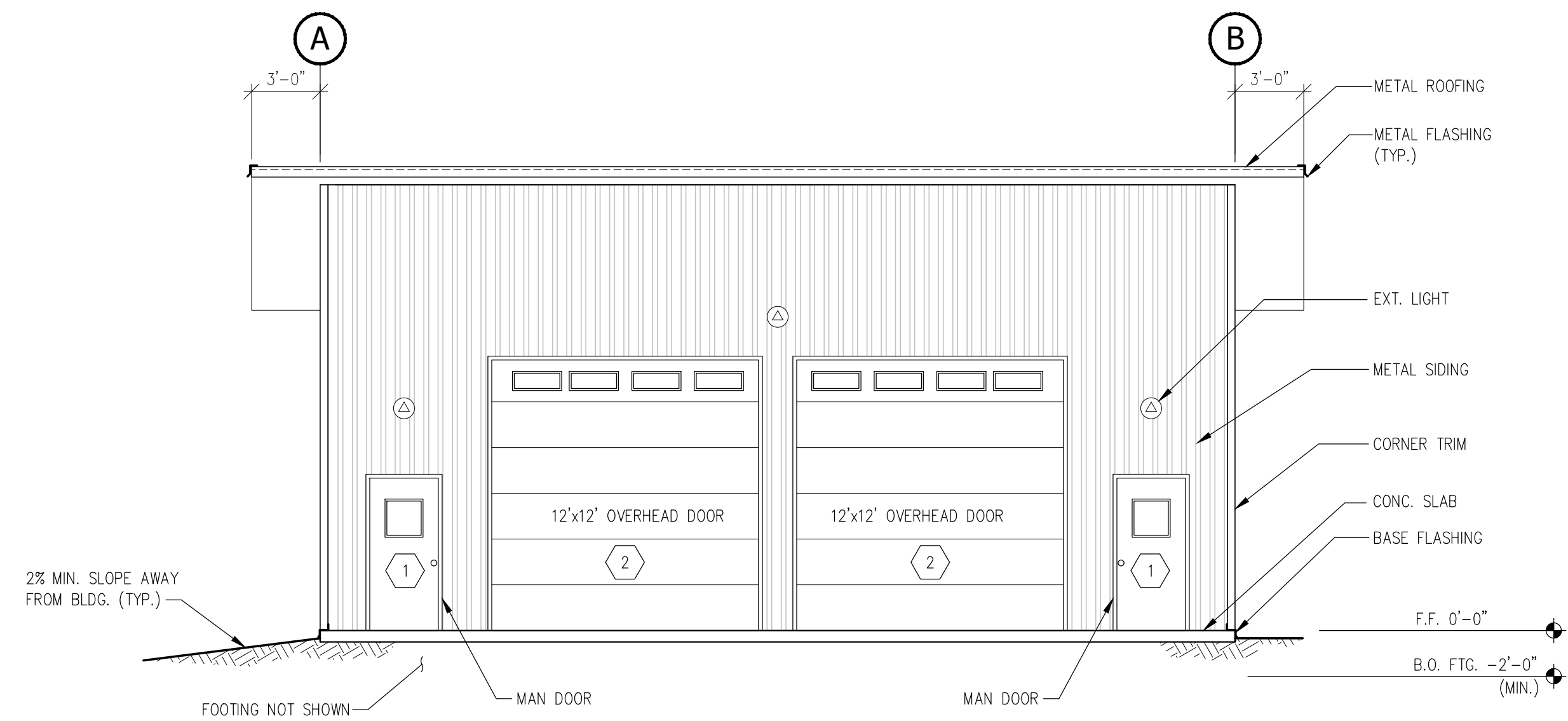
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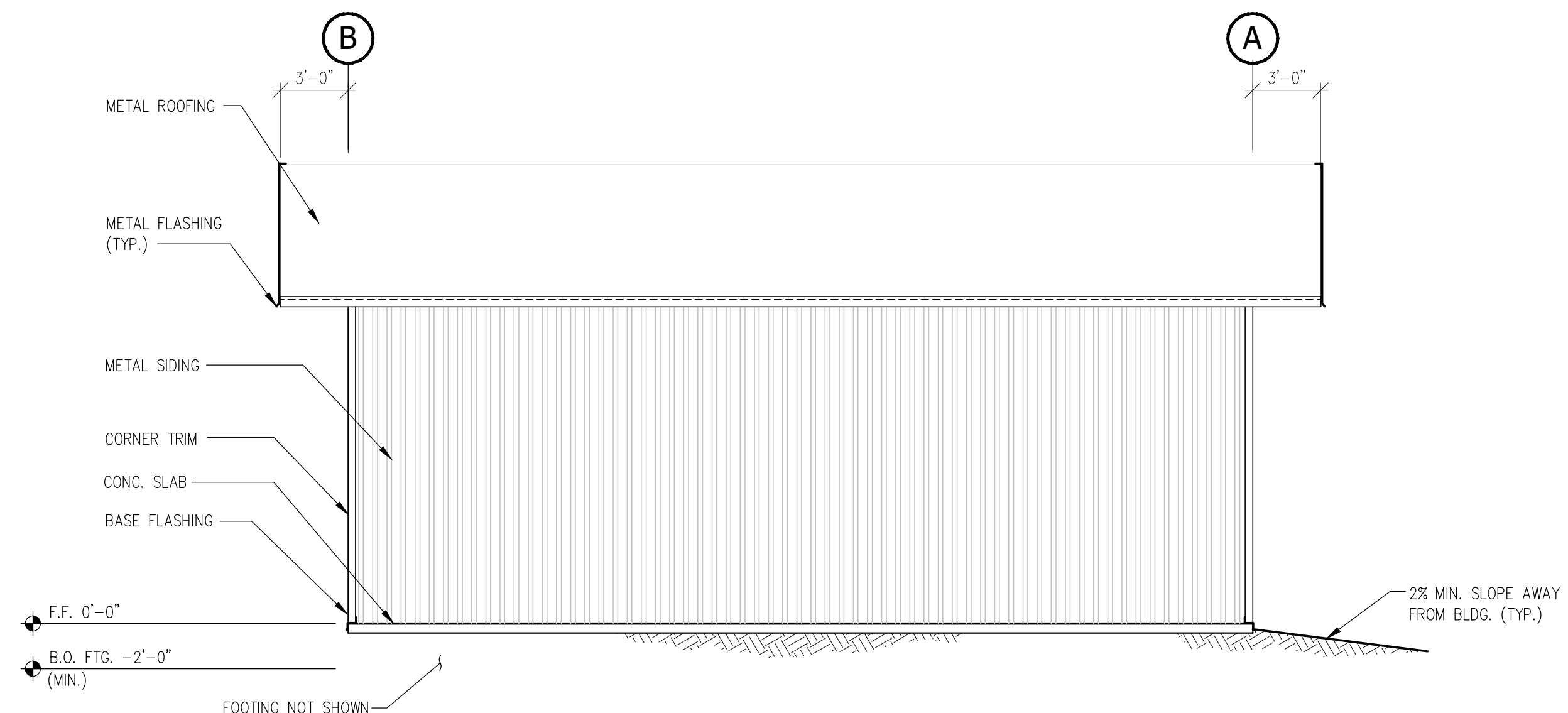


PLAN
PINEY WOODS

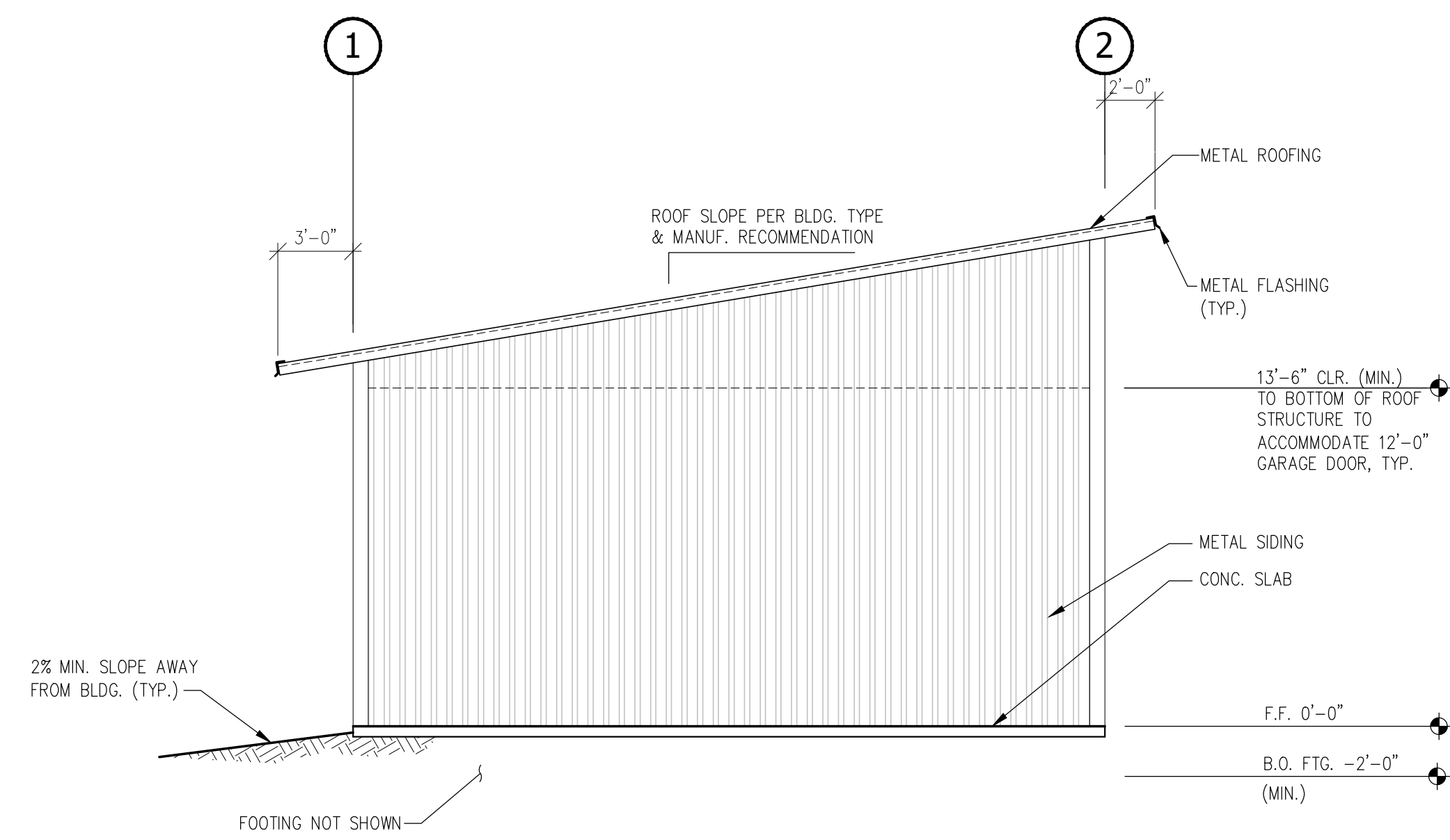
S1.0



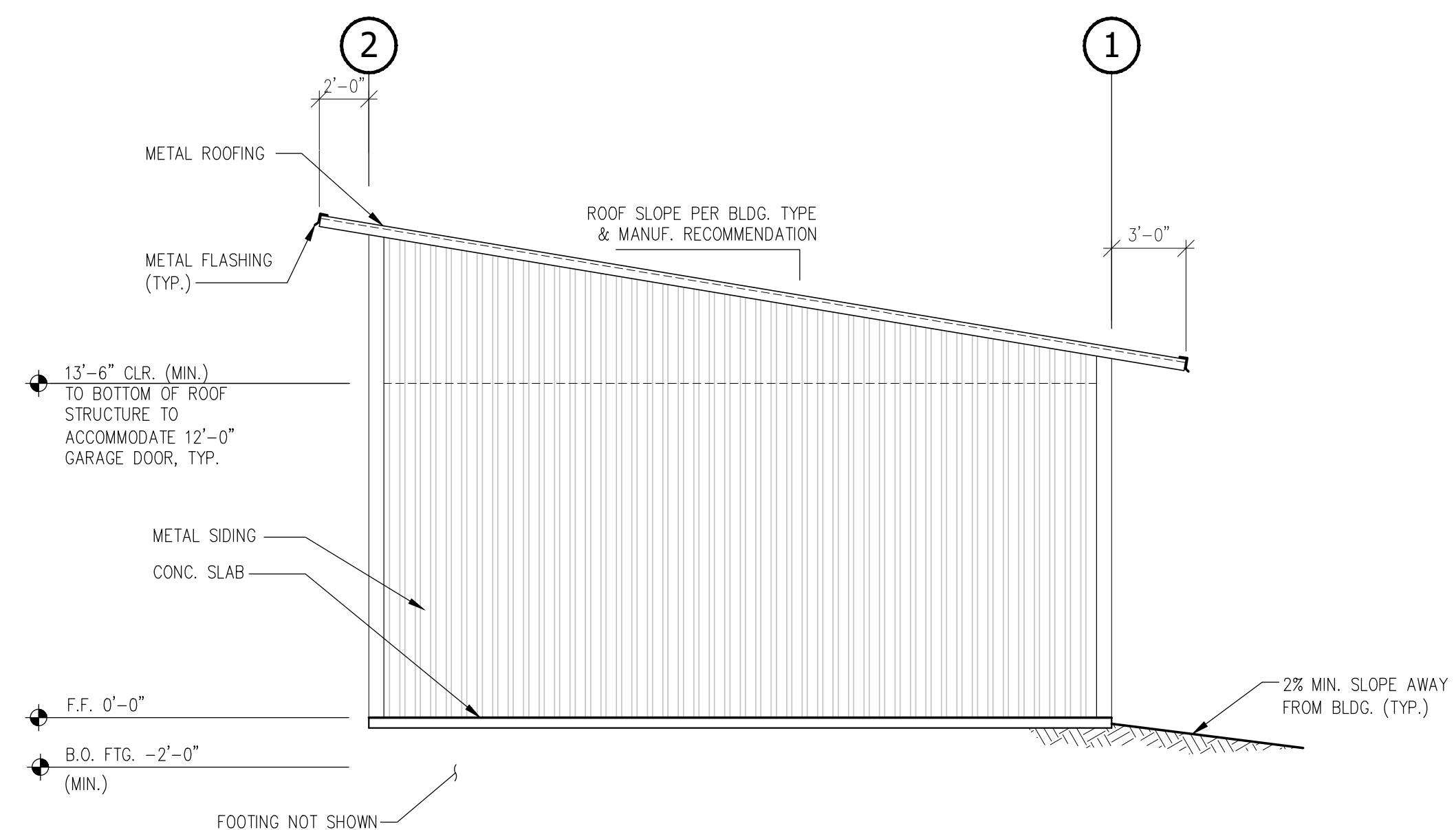
1 EAST ELEVATION
3/16" = 1'-0"



2 WEST ELEVATION
3/16" = 1'-0"



3 SOUTH ELEVATION
3/16" = 1'-0"



4 NORTH ELEVATION
3/16" = 1'-0"

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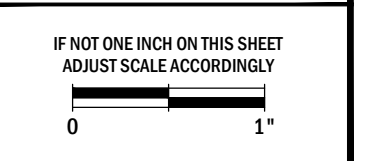
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**YAKAMA NATION FISHERIES
FACILITY STORAGE UPGRADE PROJECT
PINEY WOODS FIELD STATION**

TW/SP, WA
PROJECT NO. 14202.LCC

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ELEVATIONS -
PINEY WOODS

S2.0