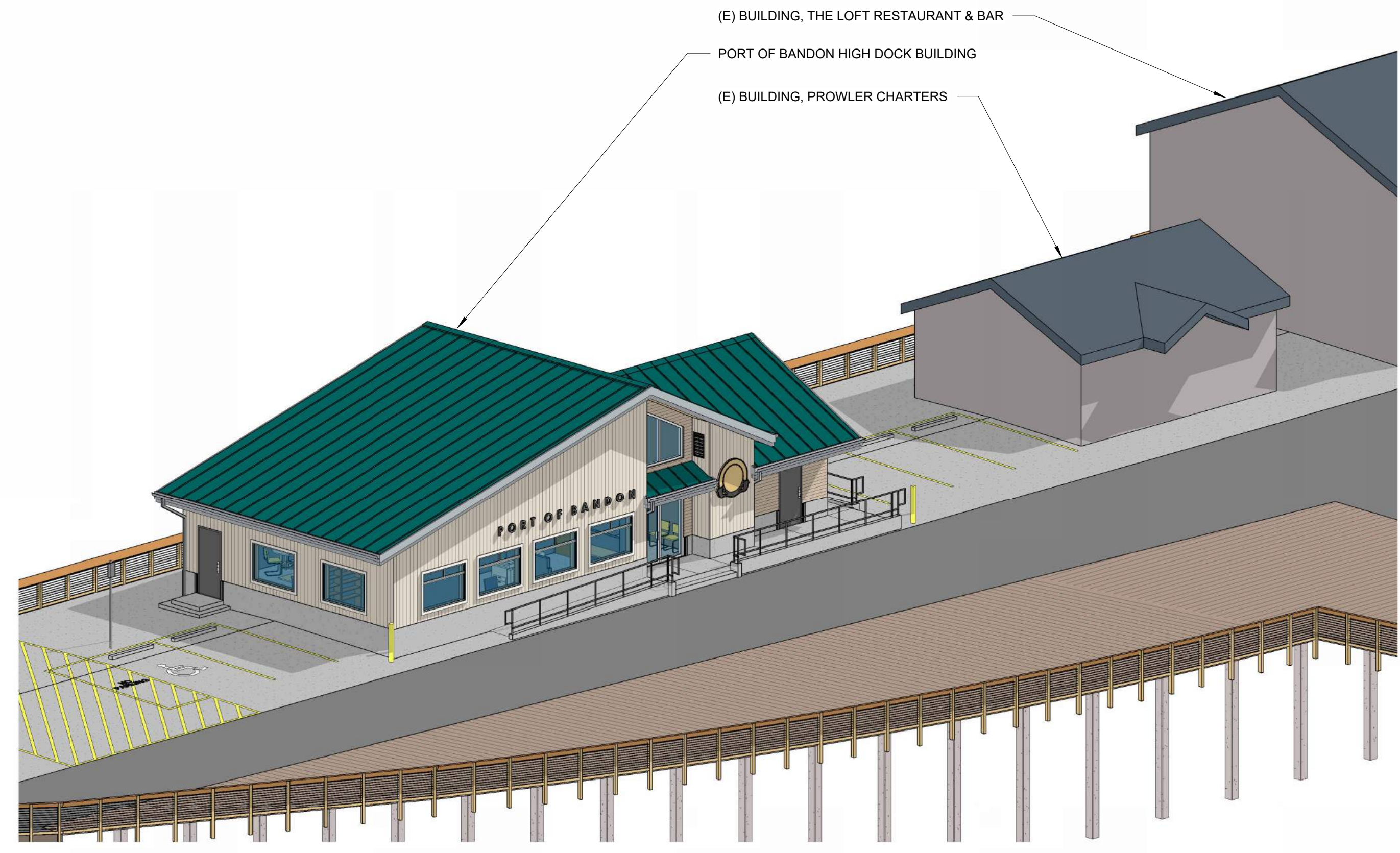


PORT OF BANDON HIGH DOCK BUILDING

BANDON BOARDWALK BANDON, OREGON



3 3D VIEW FROM NORTHWEST
N.T.S.

COLOR SCHEDULE

- MAIN BODY COLOR:
BEACHCOMBER
- SECONDARY BODY COLOR:
SANDROCK
- TRIM COLOR:
OCEAN GRAY
- ROOF COLOR:
JASPER PARK

SHEET INDEX

- GENERAL
 - G0.1 COVER SHEET
 - G0.2 CODE SUMMARY & ABBREVIATIONS
- ARCHITECTURAL
 - A1.1 SITE PLAN
 - A2.1 FOUNDATION PLAN
 - A2.2 FLOOR PLAN
 - A2.3 REFLECTED CEILING PLAN
 - A2.4 ROOF PLAN
 - A3.1 BUILDING SECTIONS
 - A3.2 BUILDING SECTIONS
 - A3.3 BUILDING SECTIONS
 - A4.1 EXTERIOR ELEVATIONS
 - A4.2 EXTERIOR ELEVATIONS
 - A5.1 EXTERIOR DETAILS
 - A5.2 OPENING DETAILS
 - A6.1 INTERIOR ELEVATIONS
 - A7.1 SCHEDULES
- STRUCTURAL
 - S0.1 DRAWING INDEX AND LIST OF ABBREVIATIONS
 - S0.2 GENERAL STRUCTURAL NOTES
 - S0.3 GENERAL STRUCTURAL NOTES
 - S0.4 GENERAL STRUCTURAL NOTES
 - S0.5 SPECIAL INSPECTIONS
 - S0.6 SPECIAL INSPECTIONS
 - S2.1 FOUNDATION PLAN
 - S2.4 ROOF FRAMING PLAN
 - S5.1 CONCRETE DETAILS
 - S7.1 WOOD DETAILS
 - S7.2 WOOD DETAILS
 - S7.3 WOOD DETAILS
 - S7.4 WOOD DETAILS
- PLUMBING
 - P1.0 PLUMBING UNDER FLOOR PLAN
 - P2.0 PLUMBING FLOOR PLAN
 - P6.0 PLUMBING LEGEND, DETAILS, & SCHEDULES
 - P6.1 PLUMBING DETAILS
- MECHANICAL
 - M2.0 MECHANICAL FLOOR PLAN
 - M3.0 MECHANICAL RADIANT FLOOR PLAN
 - M6.0 MECHANICAL SCHEDULES
 - M6.1 MECHANICAL DETAILS
 - M6.2 MECHANICAL DETAILS
- ELECTRICAL
 - E1.0 ELECTRICAL SYMBOLS & SCHEDULES
 - E1.1 ELECTRICAL DEMOLITION
 - E2.0 ELECTRICAL PLAN - LIGHTING
 - E3.0 ELECTRICAL PLAN - POWER & SIGNAL

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO.: 22.10
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

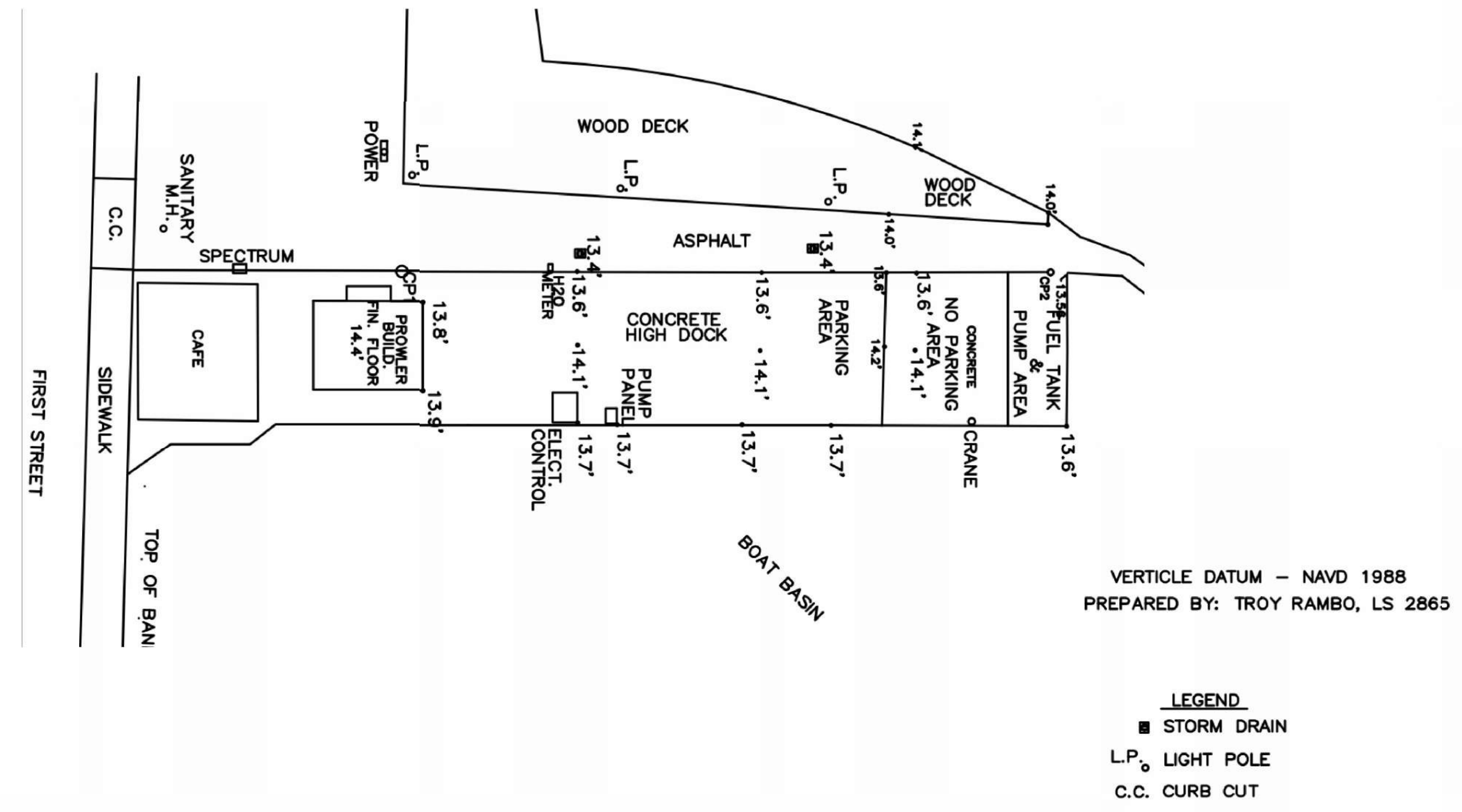
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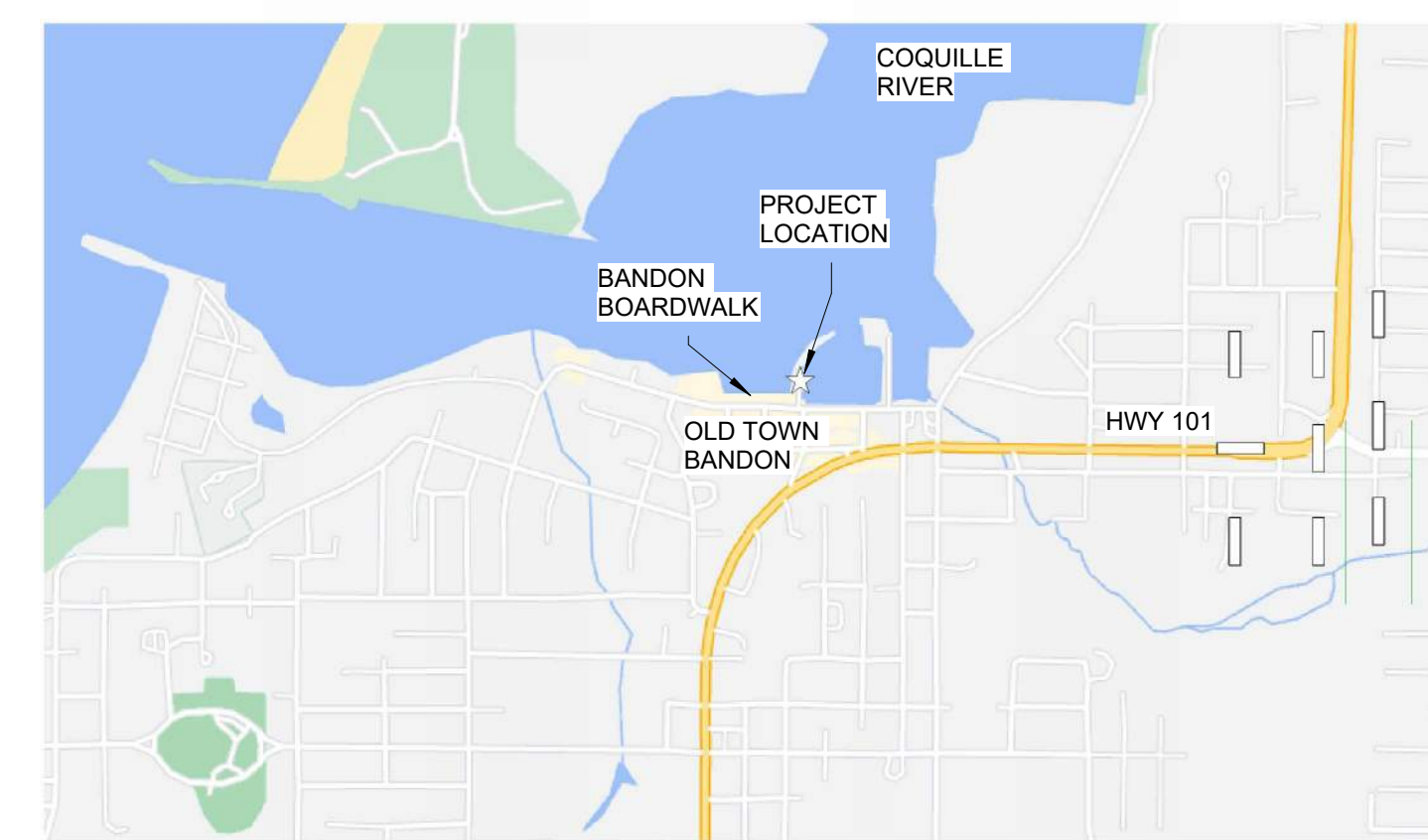
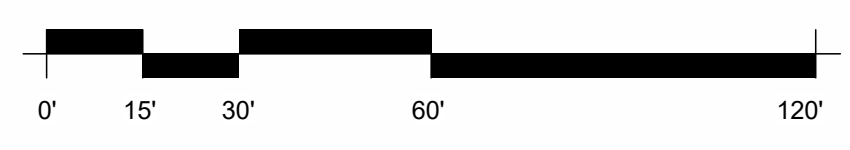
DATE: OCTOBER 2023

SHEET TITLE:
COVER SHEET

G0.1



2 EXISTING SURVEY
1" = 30'-0"



1 VICINITY MAP
N.T.S.

ABBREVIATIONS

ABBREVIATIONS ABOVE ARE FOR ARCHITECTURAL SHEETS ONLY.

@	ANGLE
AB	ANCHOR BOLT
AC	ACOUSTIC
ACC	ACCESS
ACT	ACOUSTIC CEILING TILE
ACP	ACOUSTIC CEILING PANEL
AD	AREA DRAIN
ADD	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT

BB	BOND BEAM
BD	BOARD
BF	BOTH FACES
BFC	BELOW FINISH CEILING
BG	BUMPER GUARD
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BLKT	BLANKET
BM	BEAM/BENCH MARK
BLK	BLOCK
BOT	BOTTOM
BRG	BEARING
BRKR	BREAKER
BRK	BRICK
BRKT	BRACKET
BS	BACK SPLASH
BSMT	BASEMENT
BTWN	BETWEEN

CAB	CABINET
CER	CERAMIC
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CG	CORNER GUARD
CH	COAT HOOK
CJP	CAST IN PLACE
CJ	CONTROL JOINT/CONSTRUCTION JOINT
CLG	CEILING
CLO	CLOSET/CLOSURE
CLR	CLEAR
COL	COLUMN
COMB	COMBINATION
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION/CONNECT
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET
CR	COAT RACK/CURTAIN ROD
CSG	CASING
CT	CERAMIC TILE
CTR	CENTER/COUNTER
CTSK	COUNTERSUNK
CUH	CABINET UNIT HEATER
CW	COLD WATER

D	DEPTH
DBL	DOUBLE
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIR	DIRECTION
DIV	DIVISION
DM	DE-MOUNTABLE PARTITION
DN	DOWN
DO	DITTO
DR	DOOR
DRWR	DRAWER
DS	DOWNSPOUT
DWG	DRAWING
DWL	DOWEL
DWS	DEFORMED WELDED STUD

EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EACH FACE
EH	ELECTRICAL HEATER/EXHAUST HOOD
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR/ELEVATION
EMBED	EMBEDDED
EMER	EMERGENCY
ENT	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EMERGENCY SHOWER
ESR	ELASTOMERIC SHEET ROOFING
ETR	EXISTING TO REMAIN
EVC	ELASTIC VINYL COATING
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXC	EXCAVATE
EXP	EXPANSION
EXPD	EXPOSED
EXPF	EXPLOSION PROOF
EXT	EXTERIOR

FA	FIELD ADJUSTABLE
FV	FIELD VERIFY
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FIN	FINISH
FIX	FIXTURE
FLEX	FLEXIBLE
FLR	FLOOR
FLRG	FLOORING
FOS	FACE OF STUD
FP	FIREPROOF/FIRE PROTECTION
FR	FIRE RETARDANT
FS	FULL SIZE/FULL SCALE
FT	FEET
FTG	FOOTING
FURG	FURRING

GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFCI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED
GFRG	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GLB	GLUE LAM BEAM
GMU	GLAZED MASONRY UNIT
GWB	GYPSUM WALL BOARD
GYP	GYPSUM

H	HEIGHT
HDBD	HARDBOARD
HDCP	HANDICAPPED
HDWD	HARDWOOD
HDWE	HARDWARE
HK	HOOK
HM	HOLLOW METAL
HP	HIGH POINT
HR	HANDRAIL
HT	HEIGHT
HVAC	HEATING VENTILATION AND AIR CONDITIONING
HWS	HEAD WELDED STUDS

ID	INSIDE DIAMETER
IMP	INSULATED METAL PANEL
IN	INCHES
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
IPW	INSULATED PLENUM WALL
IRF	INSULATED ROOF FILL

JAN	JANITOR
JS	JANITOR SINK
JST	JOIST
JT	JOINT

NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NON-SHRINK
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE

OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER/OVERFLOW DRAIN
OCFI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFF	OFFICE
OPNG	OPENING
OPP	OPPOSITE
OZ	OUNCE

PART	PARTITION
PC	PIECE
PCC	PRECAST CONCRETE
PCPL	PORTLAND CEMENT PLASTER
PDWR	PAPER TOWEL DISPENSER & WASTE RECEPTACLE
PH	PHILLIPS HEAD/PHASE
PL	PLATE/PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLYWD	PLYWOOD
PM	PROTECTED METAL
PNL	PANEL
PNLG	PANELING
POL	POLISHING
PR	PAIR
PRE FAB	PREFABRICATED
PRE FIN	PRE-FINISHED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT/PAINT
PTM	PAINT TO MATCH
PVC	POLYVINYL CHLORIDE

QT	QUARRY TILE
QTY	QUANTITY

RAD	RADIUS
RAH	ROOFTOP AIR HANDLING UNIT
RB	RUBBER BASE
RC	REINFORCED CONCRETE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECESSED
REF	REFERENCE
REINF	REINFORCING
REL	RELOCATE
REM	REMAINDER
REQD	REQUIRED
RES	RESILIENT
RET	RETURN
RI	ROUGH IN
RM	ROOM
RO	ROUGH OPENING
RT	RUBBER TILE
RUB	RUBBER

T & B	TOP AND BOTTOM
TB	TACKBOARD/TOWEL BAR
TBR	TO BE REMOVED
TCP	THIN COAT PLASTER
TD	TOWEL DISPENSER
TDW	TOWEL DISPENSER AND WASTE
TEMP	TEMPERATURE/TEMPERED
TER	TERRAZZO
TEX	TEXTURE
TFC	TROWELED FLOOR COVERING
T & G	TONGUE AND GROOVE
THK	THICK
TOB	TOP OF BEAM
TOC	TOP OF CURB/TOP OF CONCRETE
TOD	TOP OF DECK/TOP OF DUCT ELEVATION
TOF	TOP OF FOOTING
TOG	TOP OF GRATE
TOJ	TOP OF JOIST
TOP	TOP OF PIPE ELEVATION
TOS	TOP OF SLAB/TOP OF STEEL
TOW	TOP OF WALL
TPG	TOPPING
TPH	TOILET PAPER HOLDER
TRAN	TRANSOM
TRANS	TRANSVERSE
TS	TUBE STEEL
TWS	THREADED WELDED STUD
TYP	TYPICAL

UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UR	URINAL

V	VINYL
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VOL	VOLUME
VWC	VINYL WALL COVERING

W	WIDE FLANGE STEEL BEAM
W	WITH
WAF	WELDED ANGLE FRAME
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WG	WIRE GLASS
W/O	WITHOUT
WP	WEATHERPROOF
WPF/G	WATERPROOFING
WR	WASTE RECEPTACLE
WRB	WEATHER RESISTANT BARRIER
WSCOT	WAINSCOT
WSTP	WEATHERSTRIP
WTR	WATER
WWF	WELDED WIRE FABRIC

CODE SUMMARY

APPLICABLE CODES:
2022 Oregon Structural Specialty Code (2021 IBC)
Energy Code: ANSI/ASHRAE/IES Standard 90.1-2019

CONSTRUCTION TYPES (Table 601):
Type VB, non-sprinklered

BUILDING AREA (Gross Sq. Ft.):
Offices: 1,502 sq. ft.
Public restrooms: 332 sq. ft.
Total: 1,834 sq. ft.

OCCUPANCY CLASSIFICATIONS (Chapter 3):
B Business

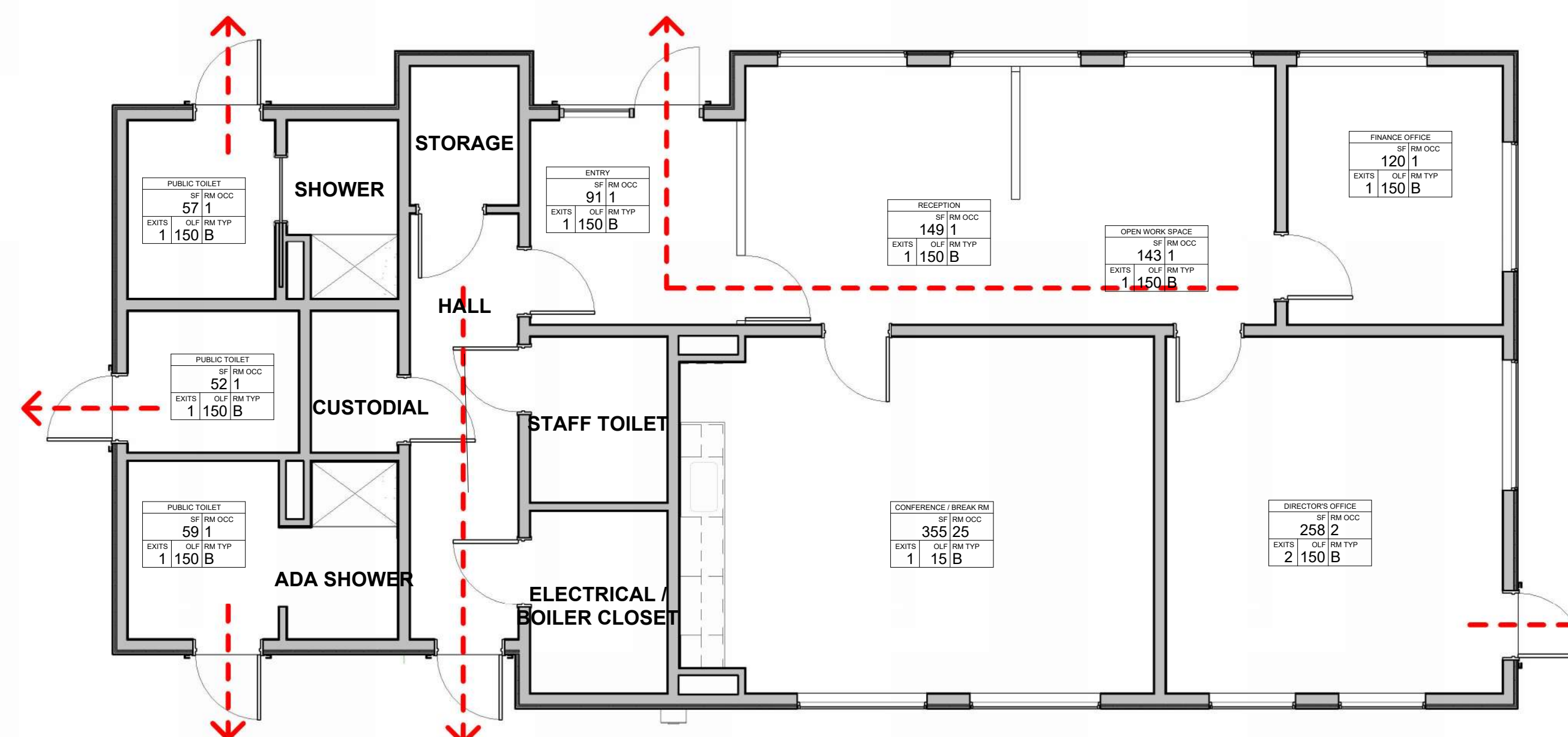
ALLOWABLE AREA & HEIGHT:
Type VB, non-sprinklered, Occupancy B
Height (Table 504.3):
Allowable: 40 feet
Actual: 21.5 feet; OK
Stories (Table 504.4):
Allowable: 2 story
Actual: 1 story; OK
Area (Table 506.2):
Allowable: 9,000 sq. ft.
Actual: 1,834 sq. ft.; OK

TRAVEL DISTANCE MAXIMUM (Table 1017.2):
Occupancy B:
200 ft.; OK

PLUMBING FIXTURES REQUIRED (Table 2902.1):
Total occupant load: 35
Required:
1 toilet per 25; 2 total
1 lavatory per 40; 1 total
0 drinking fountains required
Actual:
4 toilets (single-user); OK
4 lavatories (single-user); OK

INSULATION MINIMUMS (Energy Code C402.2.6 & Table 5.5.4):
Roof: R-30 rigid
Walls: R-13 batts & R-3.8 rigid
Radiant-heated slab: R-3.5 rigid under slab
R-20 rigid for 24" at perimeter

OCCUPANCY SCHEDULE						
NO.	ROOM NAME	AREA	TYPE	OLF	OCC. LOAD	EXITS
1	ENTRY	91 SF	B	150	1	1
2	RECEPTION	149 SF	B	150	1	1
3	OPEN WORK SPACE	143 SF	B	150	1	1
4	FINANCE OFFICE	120 SF	B	150	1	1
5	DIRECTOR'S OFFICE	258 SF	B	150	2	2
6	CONFERENCE / BREAK RM	355 SF	B	15	25	1
8	STAFF TOILET	49 SF	B	150	1	1
12	PUBLIC TOILET	57 SF	B	150	1	1
14	PUBLIC TOILET	52 SF	B	150	1	1
15	PUBLIC TOILET	59 SF	B	150	1	1
16	ADA SHOWER	39 SF	B		0	
17	MECH. ATTIC	Not Placed			0	
TOTAL OCCUPANTS:					35	



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



333 S. 4TH STREET
COOS BAY, OR 97420
P: 541.269.1166
general@hge1.com
www.hge1.com

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN LEVEL.

#	DATE	DESCRIPTION

DATE: OCTOBER 2023

SHEET TITLE:
CODE SUMMARY & ABBREVIATIONS

G0.2

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO.: 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN LEVEL.

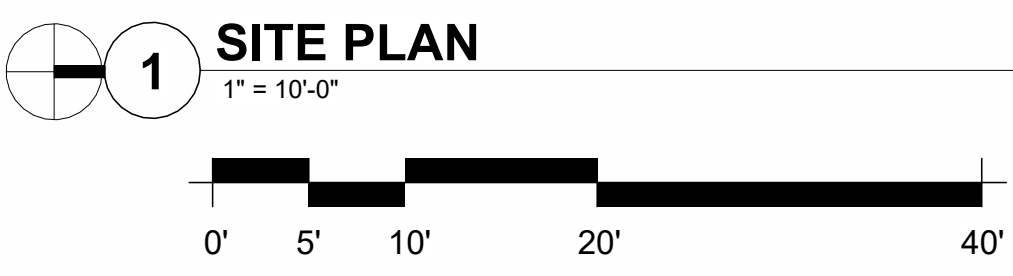
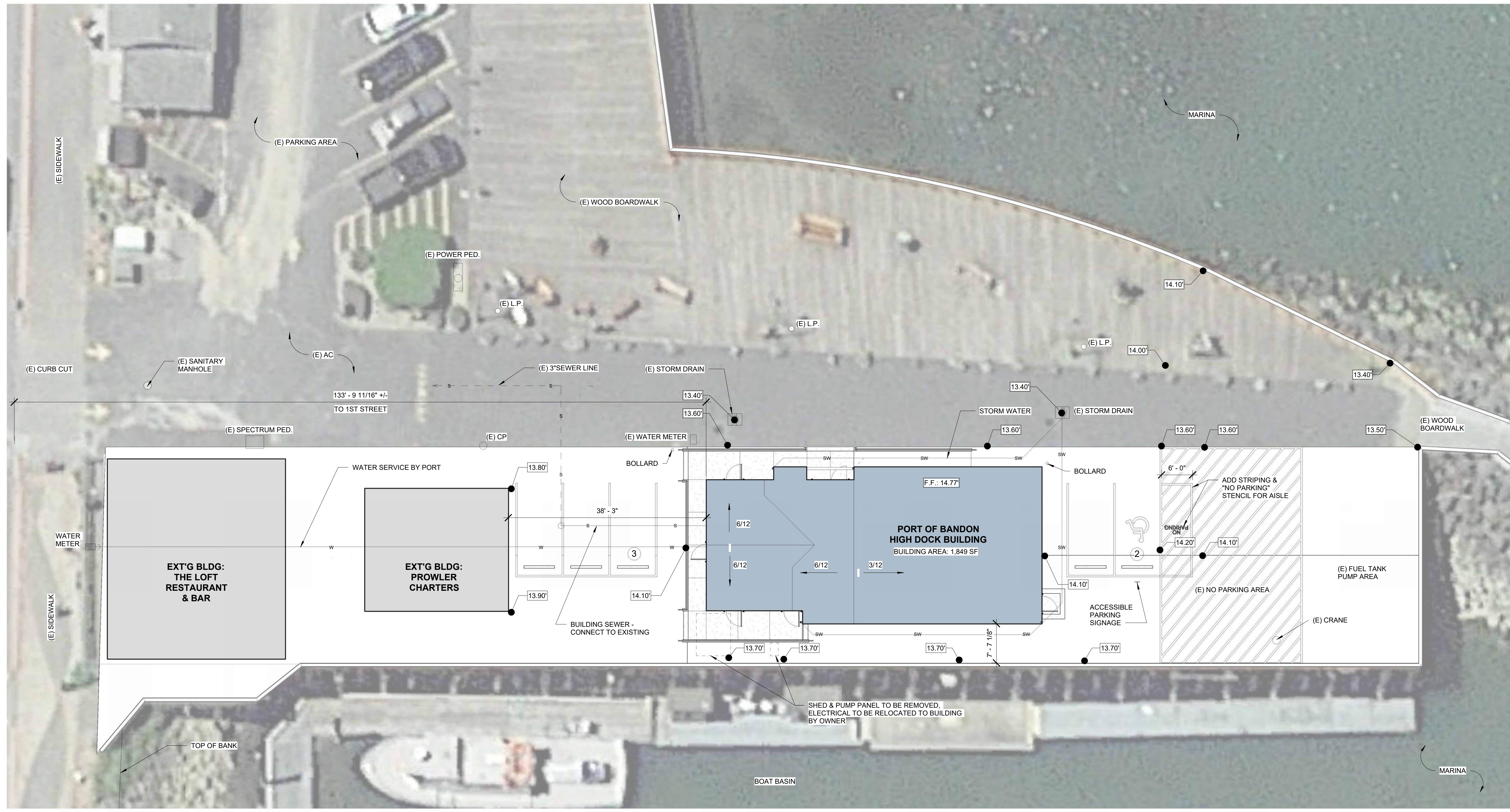
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DATE: OCTOBER 2023

SHEET TITLE:
SITE PLAN

A1.1



NOTE: SEWER, WATER, & STORM WATER LINE LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED ON-SITE.

SITE DATA:
DATUM: NAVD 1988
BASE FLOOD ELEVATION: 16.00'

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. : 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN DEVEL.

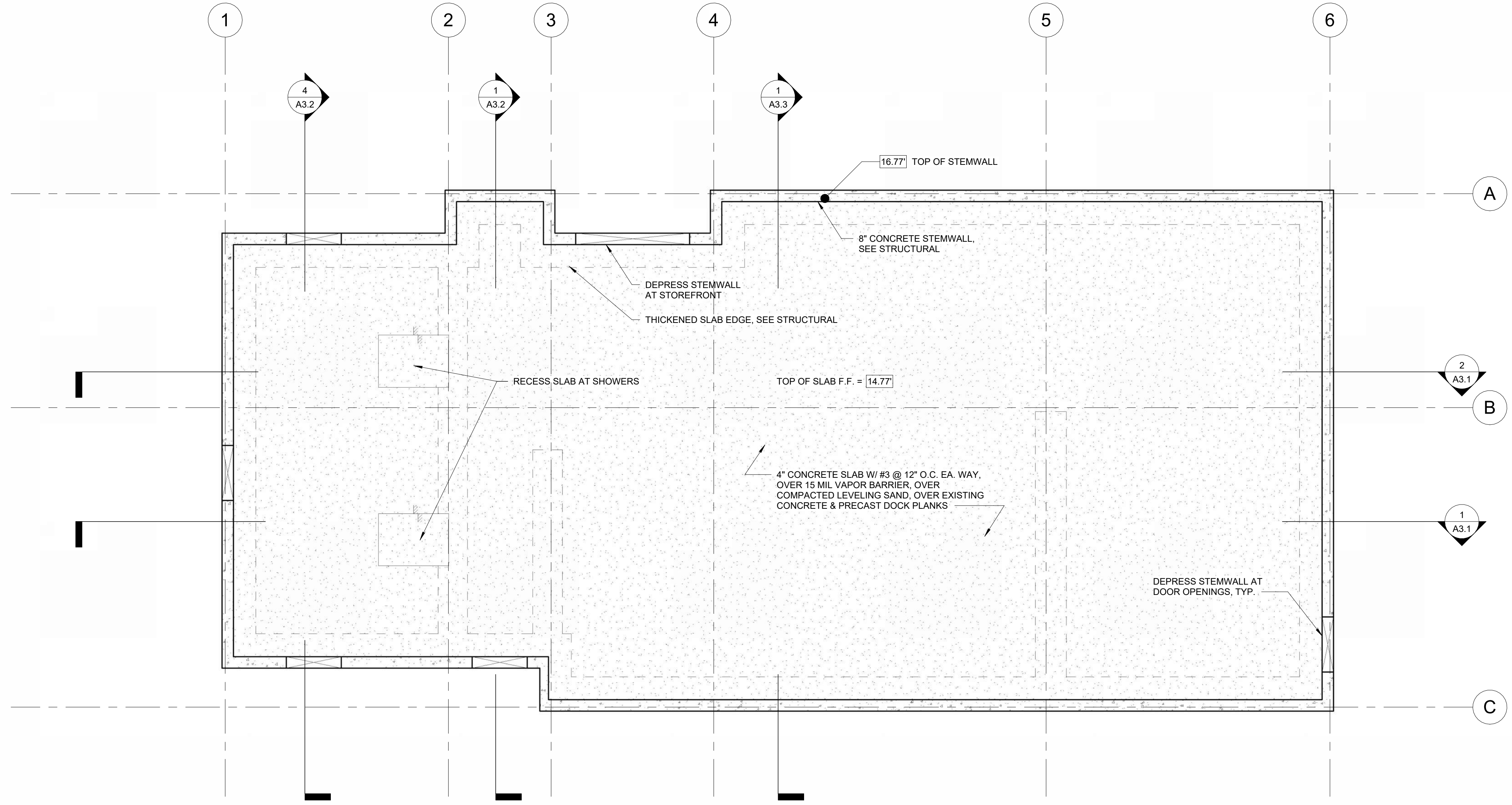
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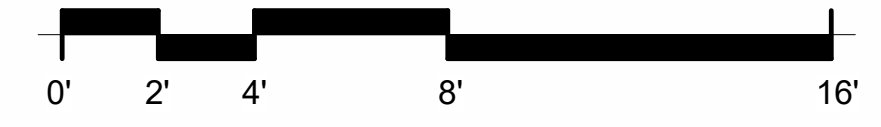
DATE: OCTOBER 2023

SHEET TITLE:
FOUNDATION PLAN

A2.1



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



PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

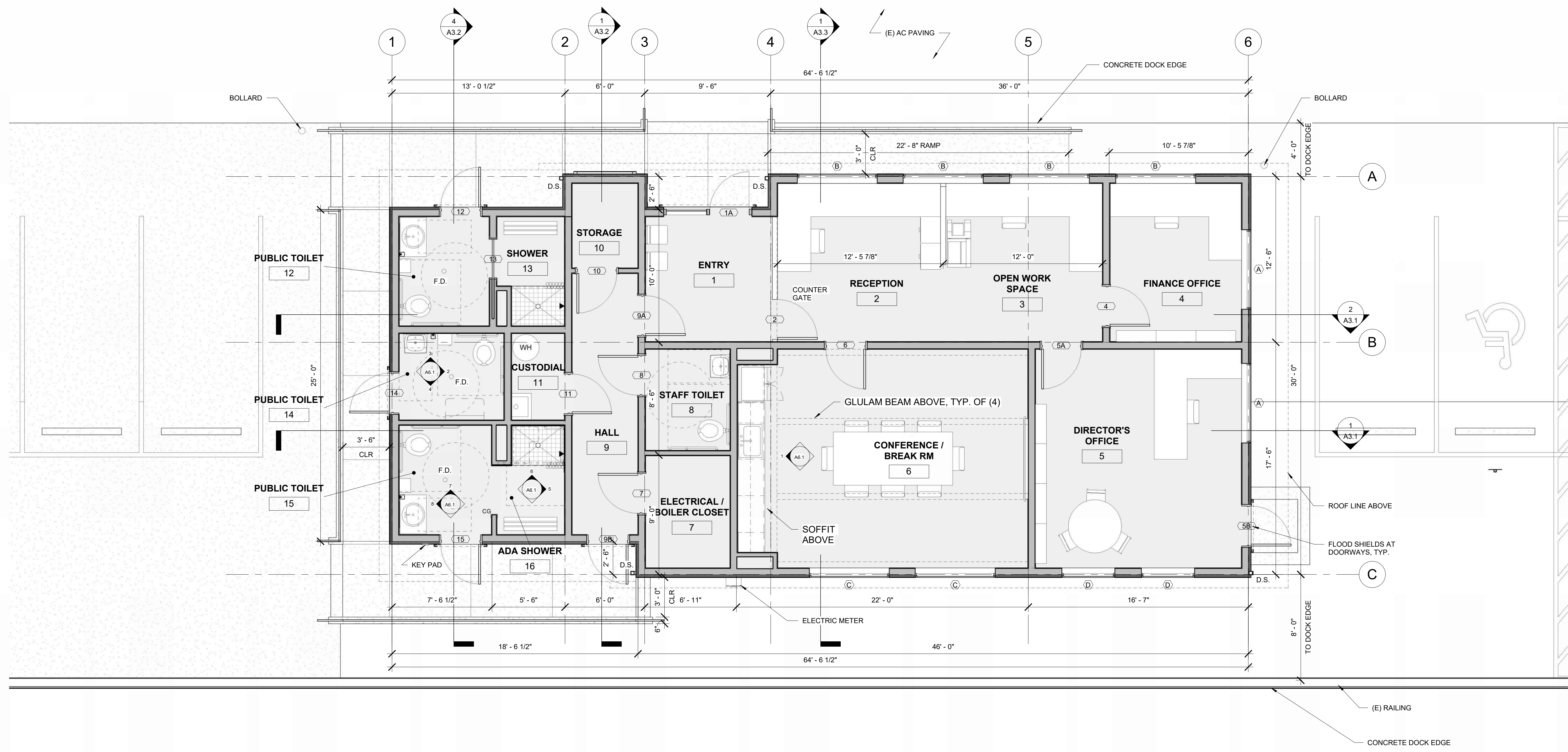
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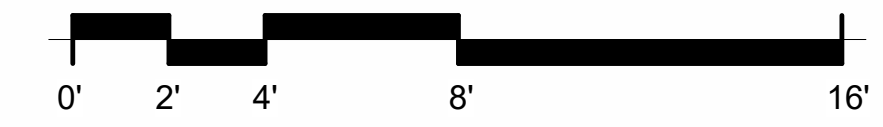
DATE: OCTOBER 2023

SHEET TITLE:
FLOOR PLAN

A2.2



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



TOTAL AREA: 1,810 SF

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. : 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

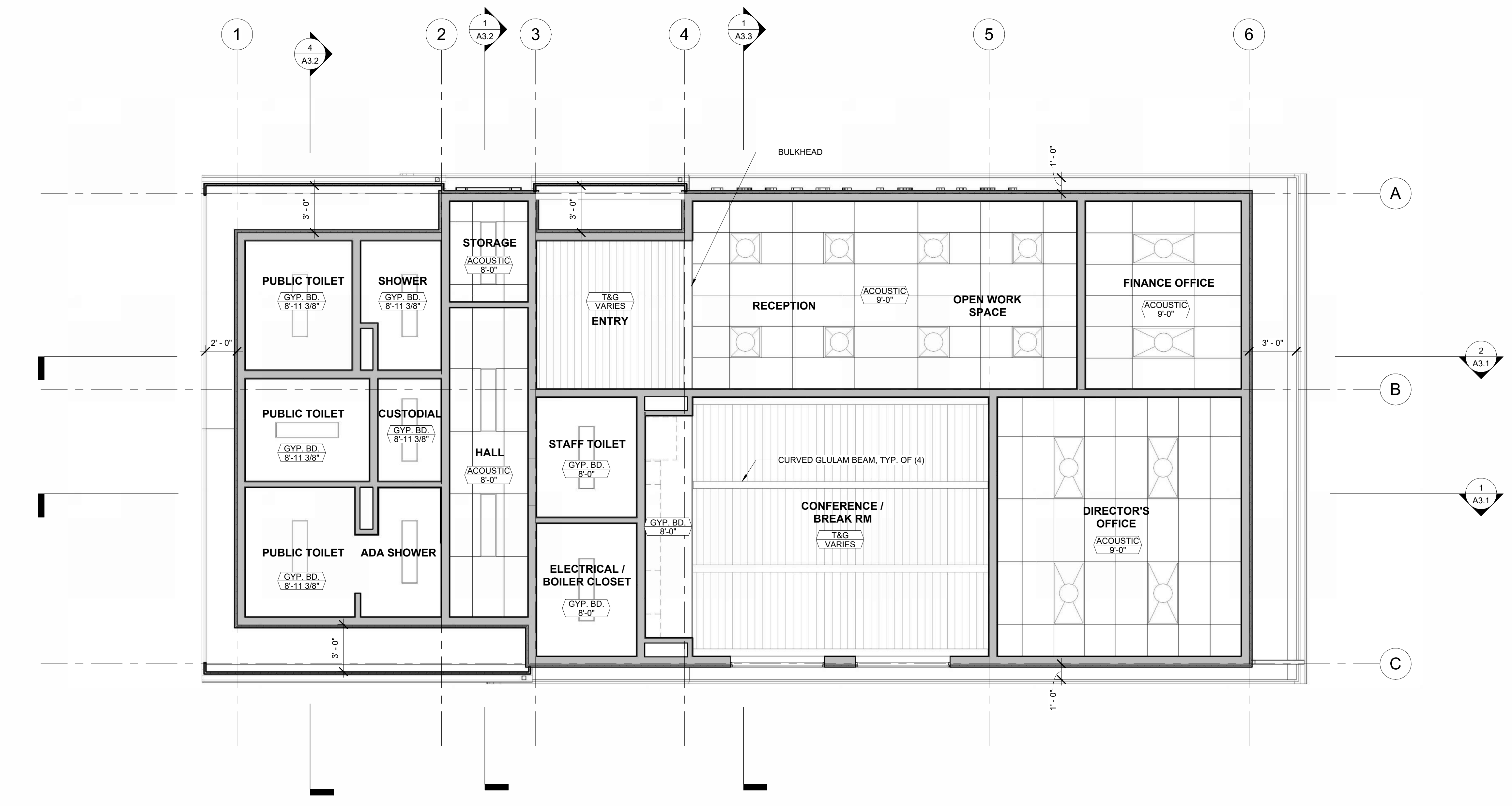
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REVISIONS:		
#	DATE	DESCRIPTION

DATE: OCTOBER 2023

SHEET TITLE:
**REFLECTED
CEILING PLAN**

A2.3



1 REFLECTED CEILING PLAN
1/4" = 1'-0"

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. : 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN LEVEL.

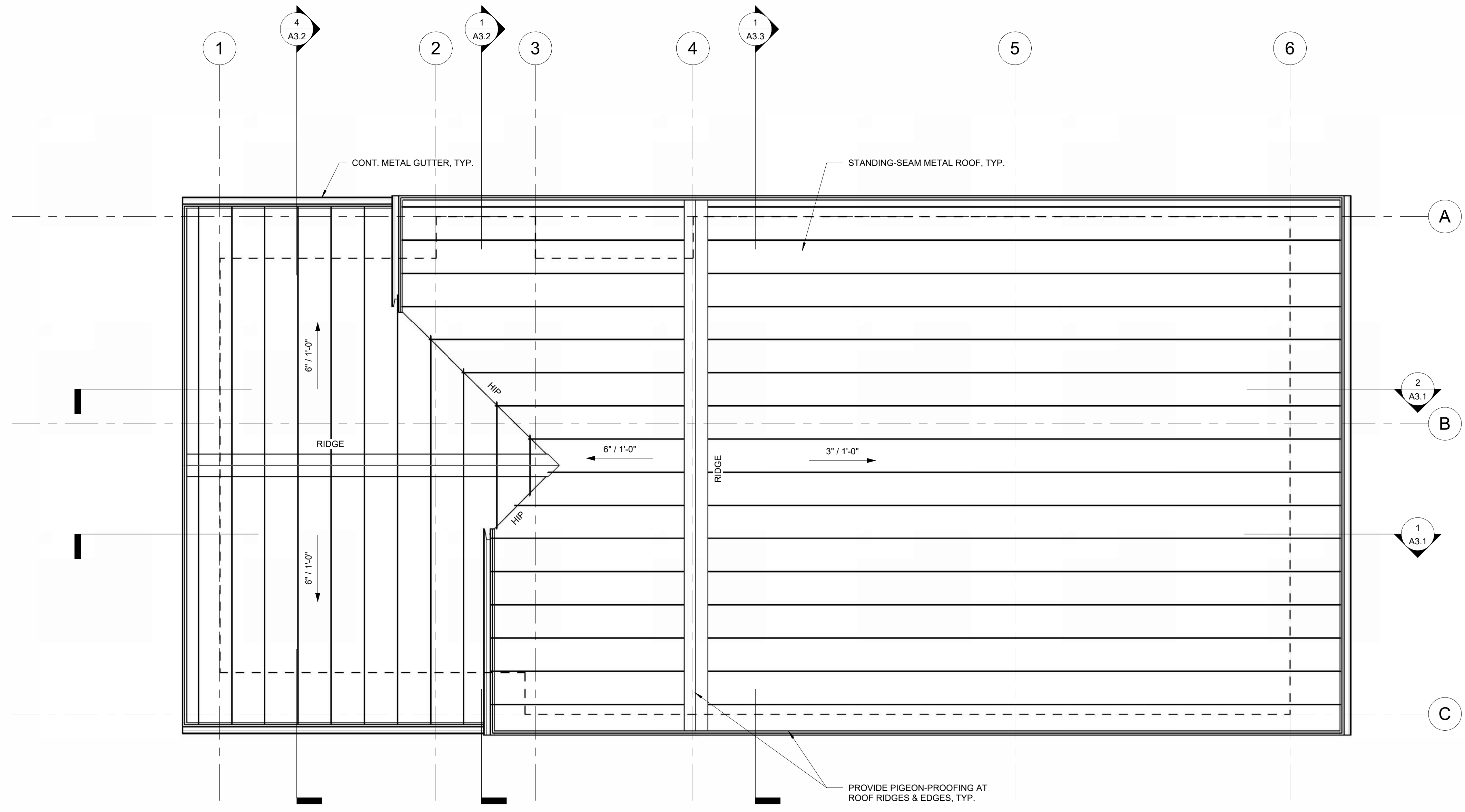
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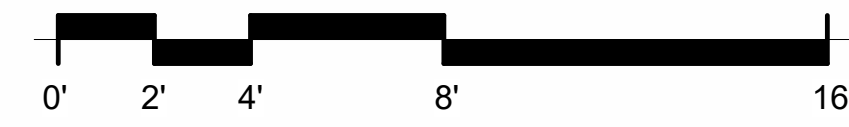
DATE: OCTOBER 2023

SHEET TITLE:
ROOF PLAN

A2.4



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



PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. : 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN DEVEL.

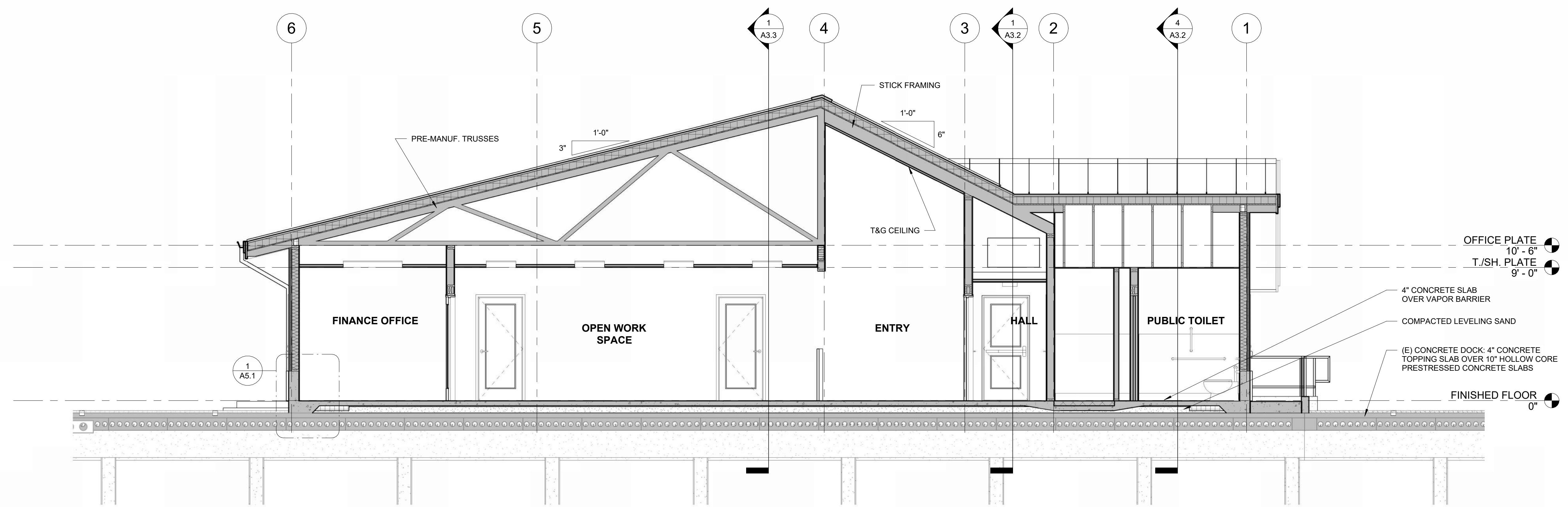
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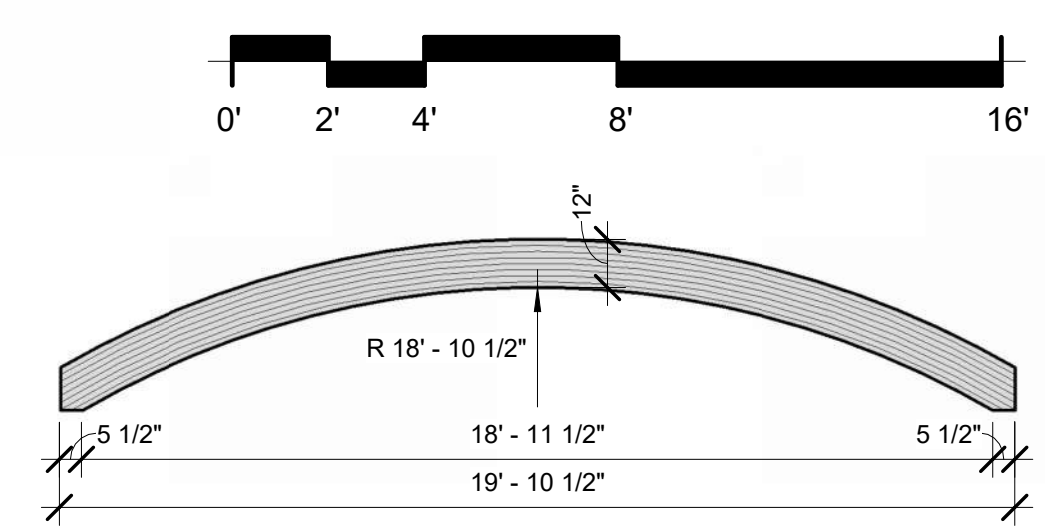
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SHEET TITLE:
BUILDING SECTIONS

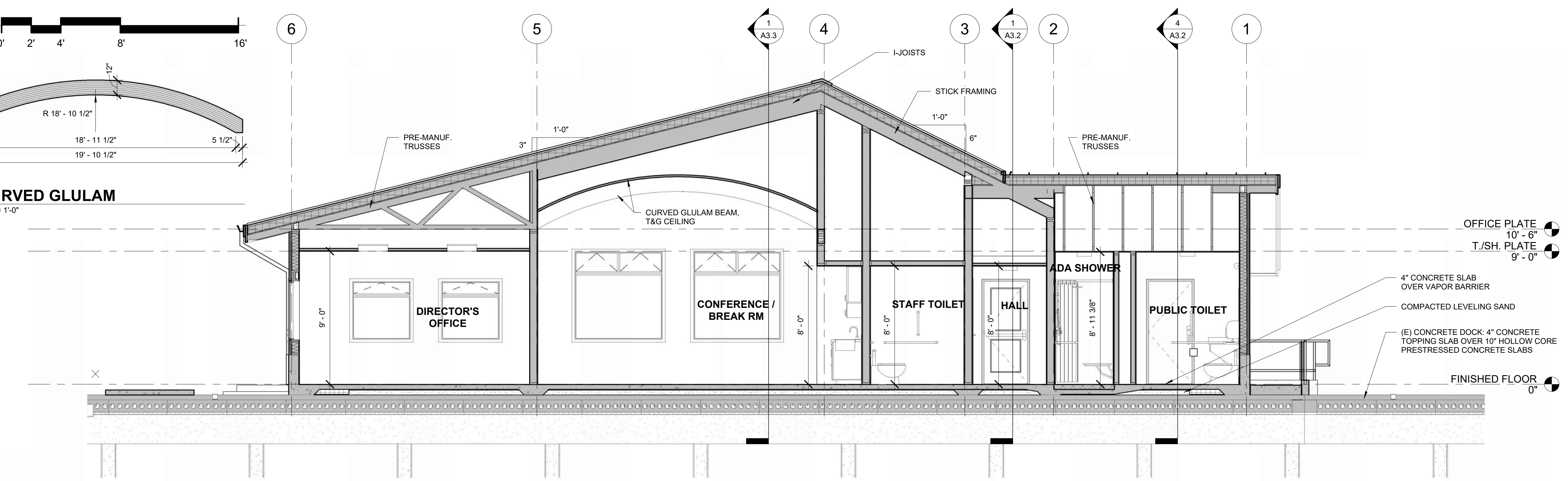
A3.1



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

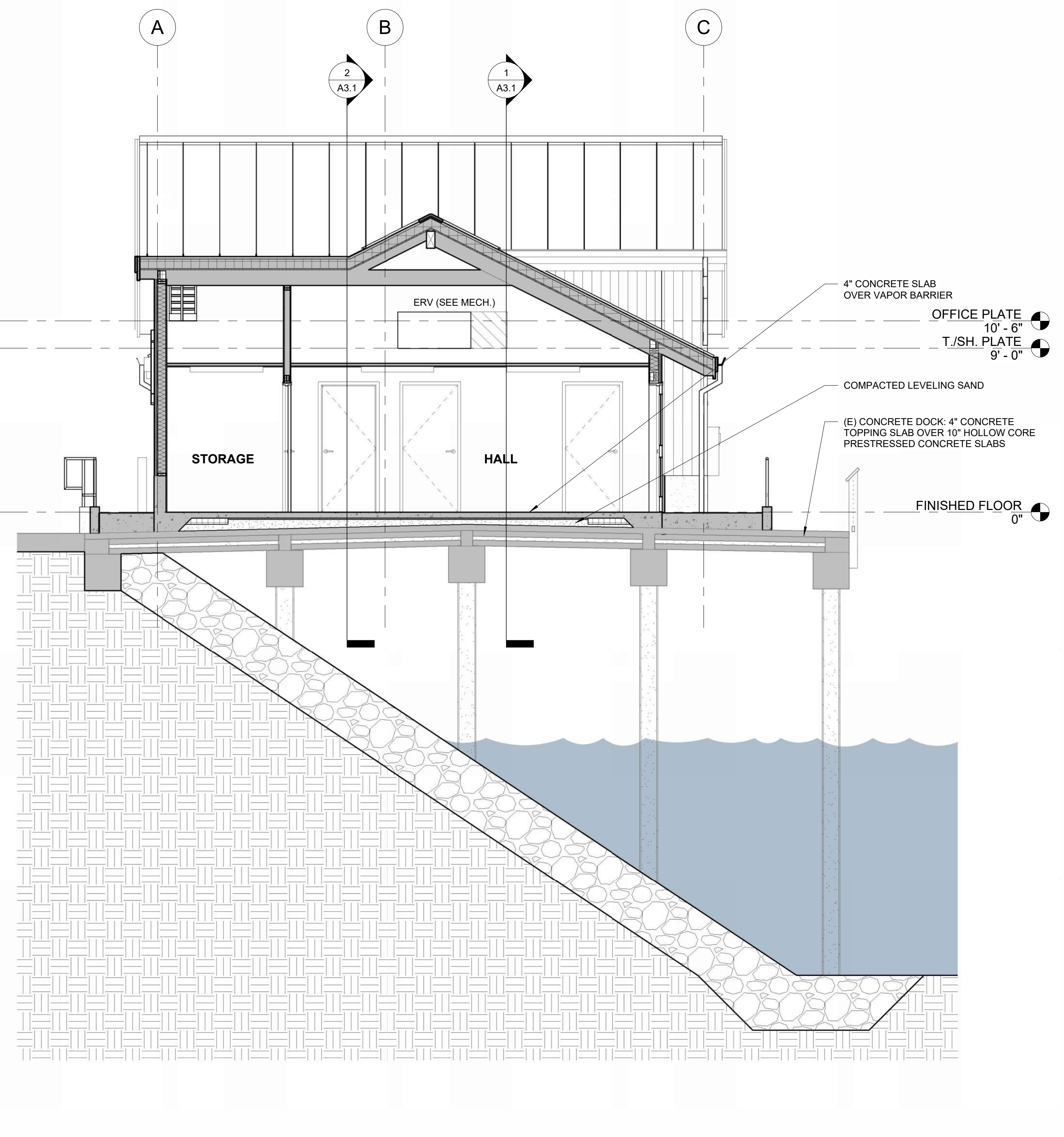
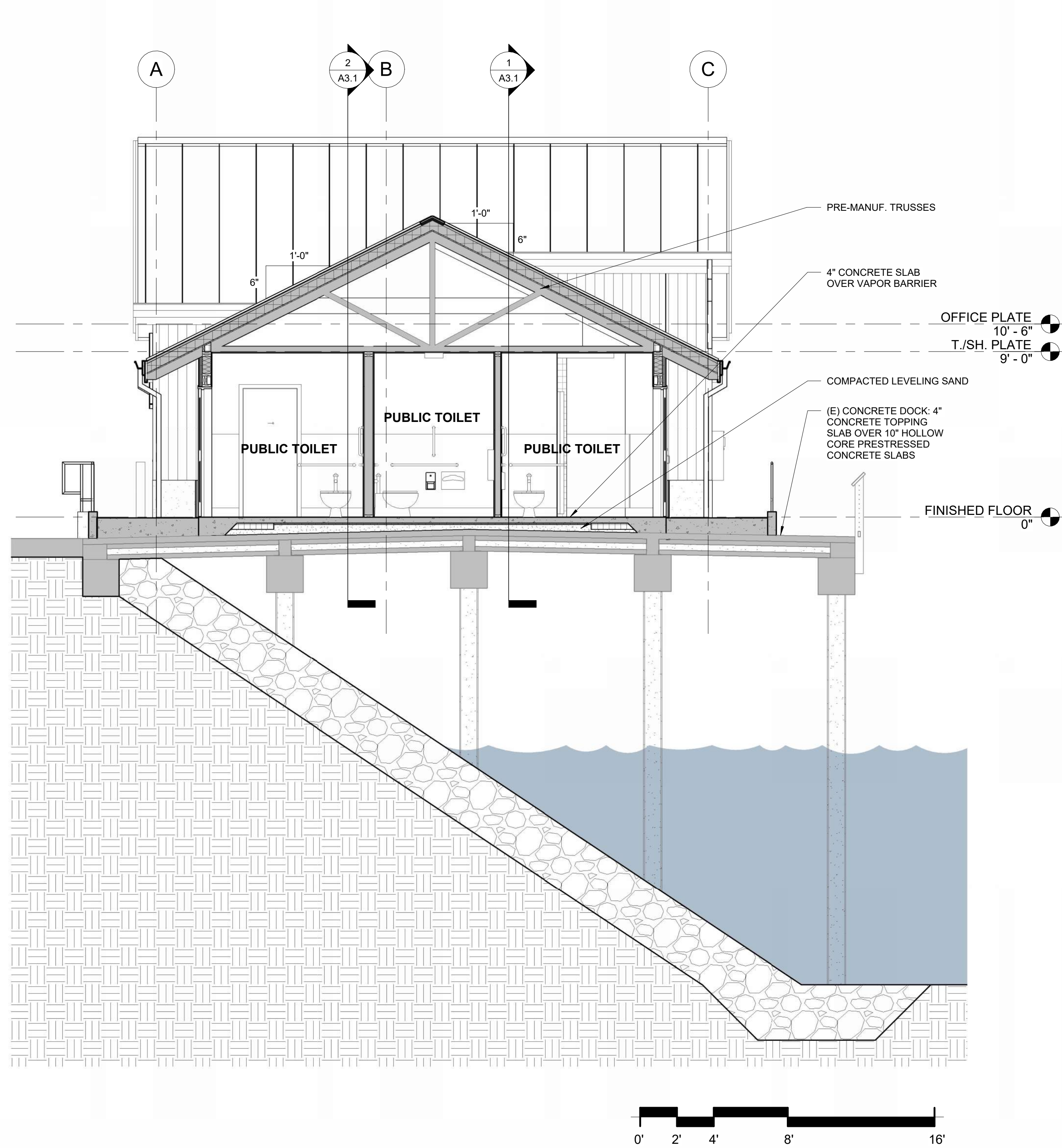


3 CURVED GLULAM
1/4" = 1'-0"



1 N-S SECTION 1
1/4" = 1'-0"

PRELIMINARY
NOT FOR
CONSTRUCTION



4 E-W SECTION 1
1/4" = 1'-0"

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

PROJECT NO. : 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN DEVEL.

REVISIONS:

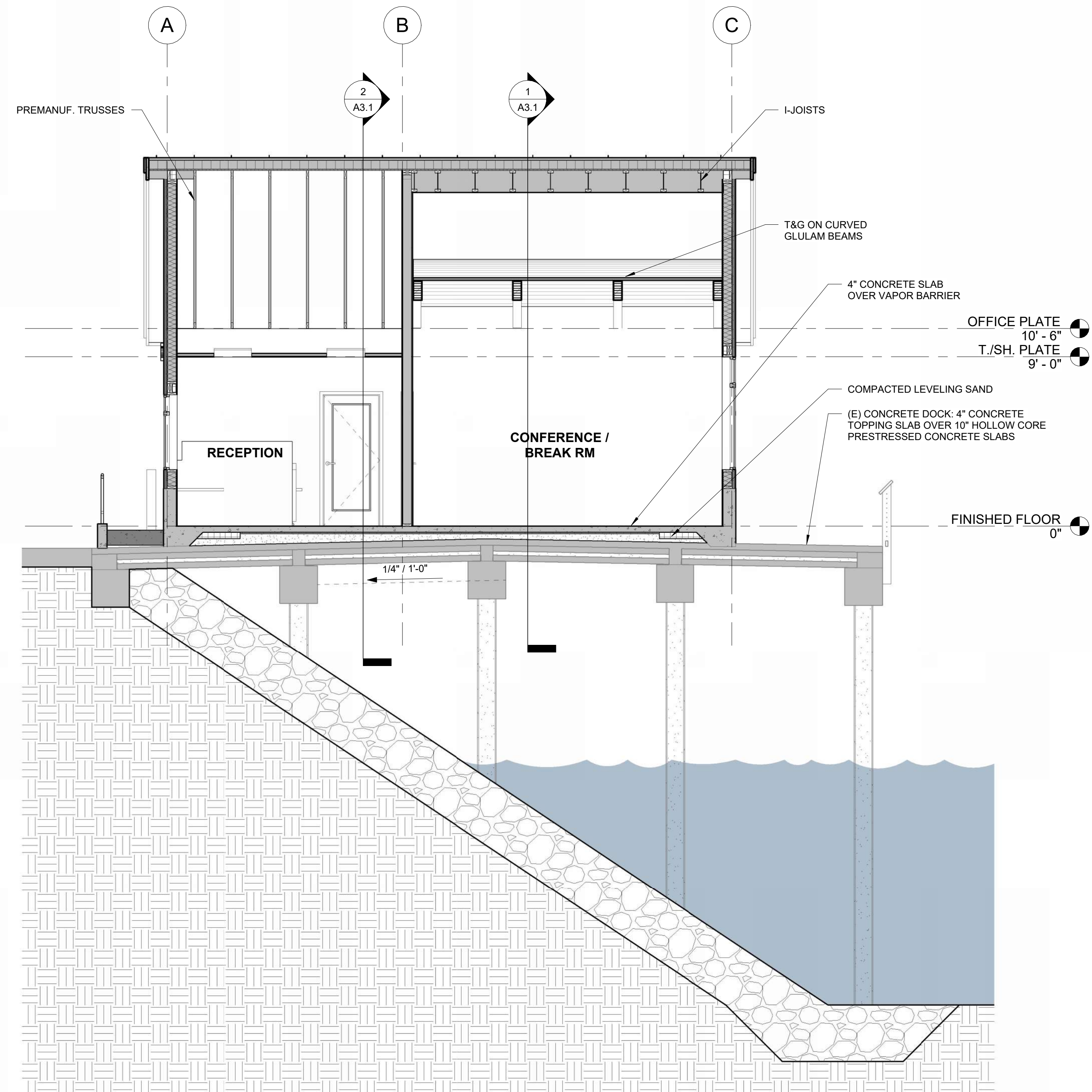
#	DATE	DESCRIPTION

DATE: OCTOBER 2023

SHEET TITLE:
BUILDING SECTIONS

A3.2

PRELIMINARY
NOT FOR
CONSTRUCTION



1 E-W SECTION 3
1/4" = 1'-0"

PROJECT NO. : 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN DEVEL.

REVISIONS:

#	DATE	DESCRIPTION

DATE: OCTOBER 2023

SHEET TITLE:
BUILDING SECTIONS

A3.3

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO.: 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN DEVEL.

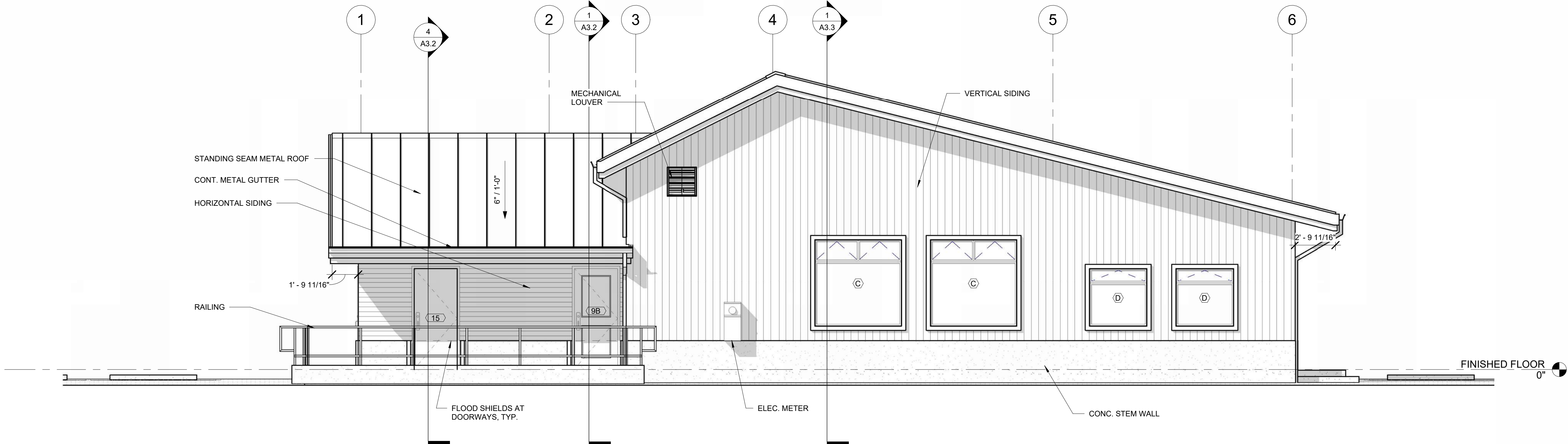
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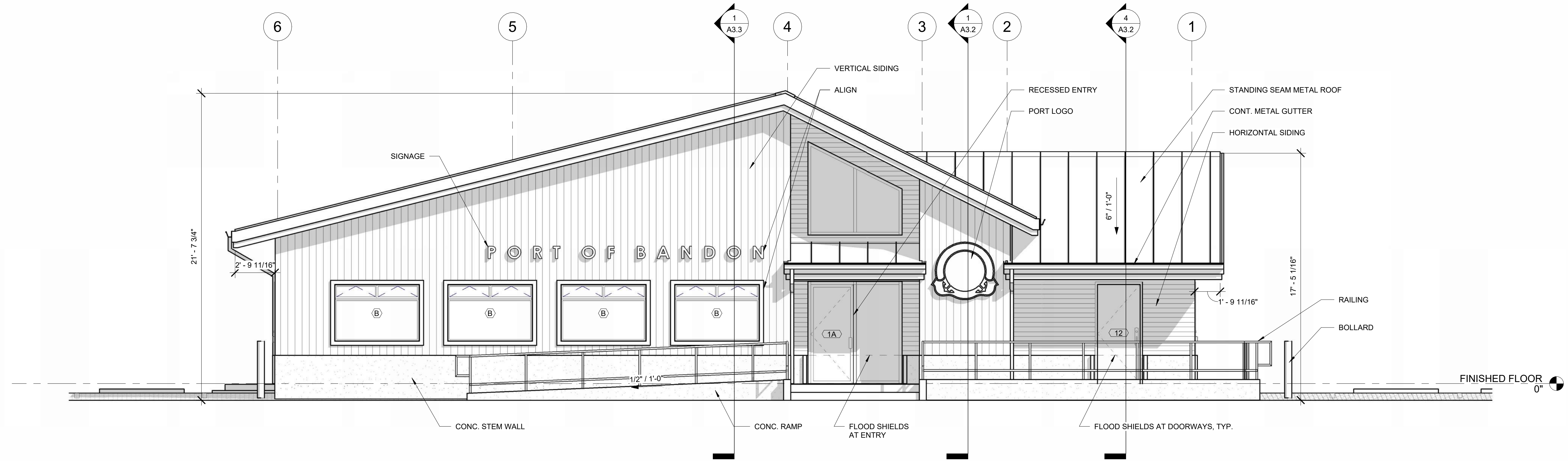
DATE: OCTOBER 2023

SHEET TITLE:
EXTERIOR ELEVATIONS

A4.1



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



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

APPROXIMATE AREA OF SIGNAGE: 22 SF

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

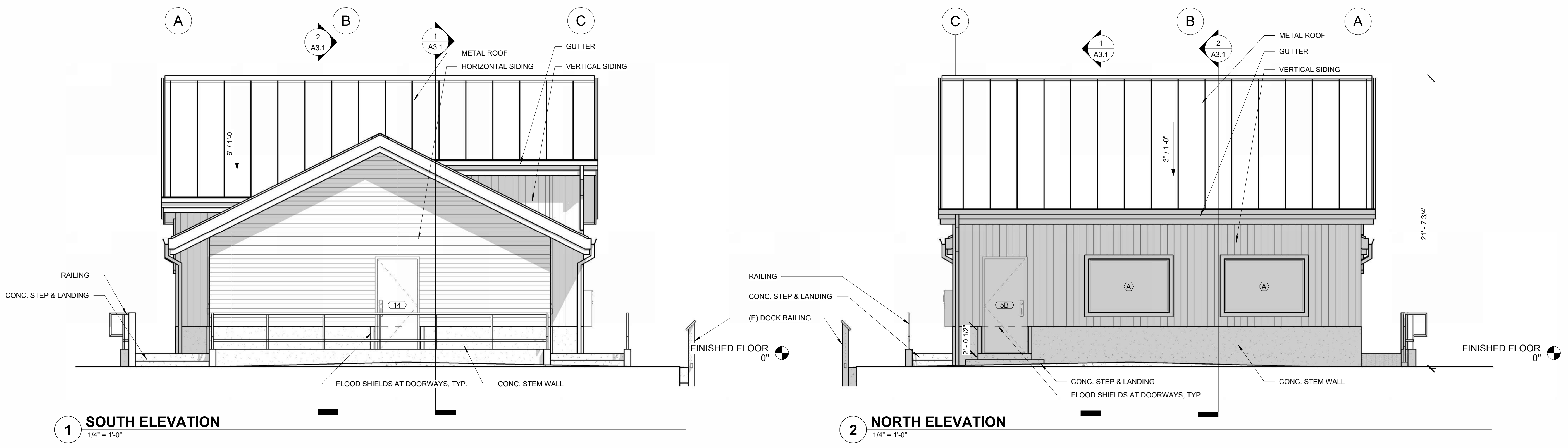
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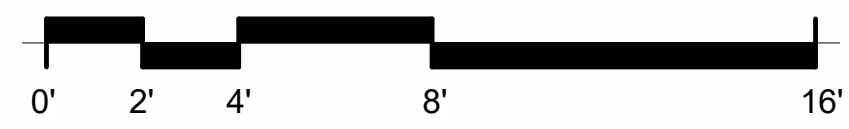
SHEET TITLE:
**EXTERIOR
ELEVATIONS**

A4.2



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

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



PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. : 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

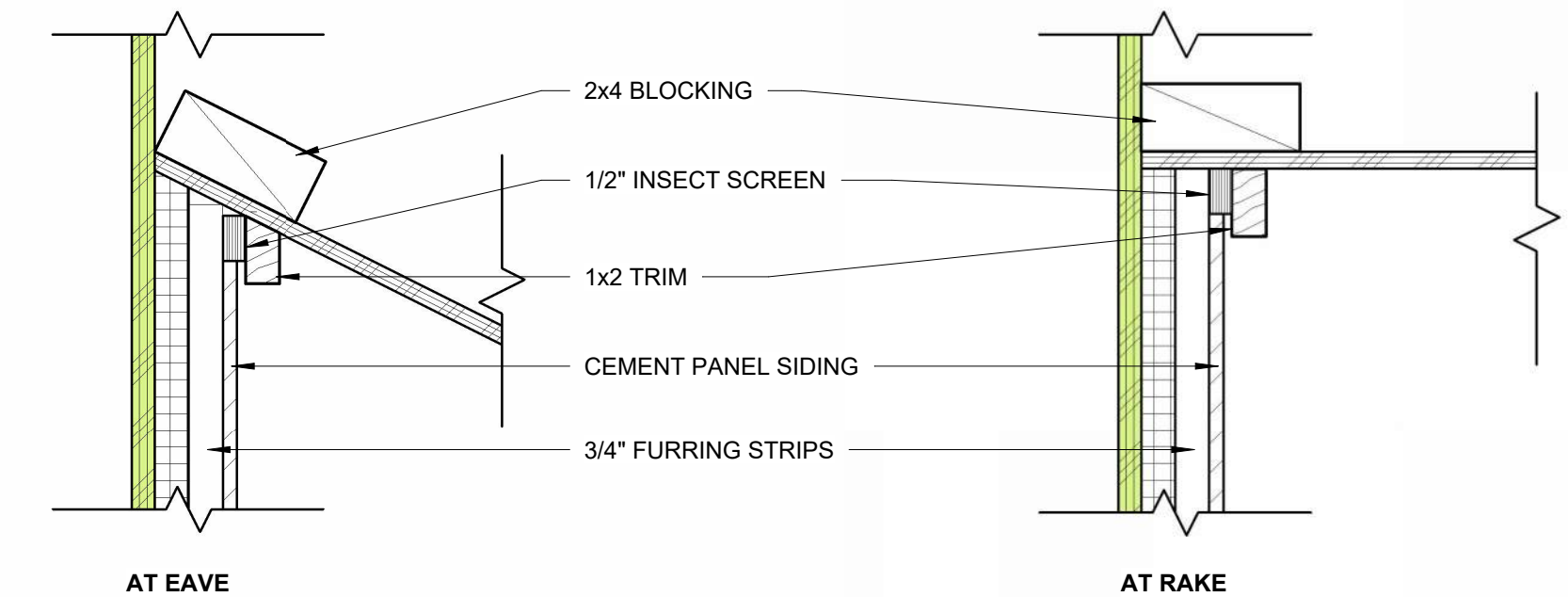
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REVISIONS:		
#	DATE	DESCRIPTION

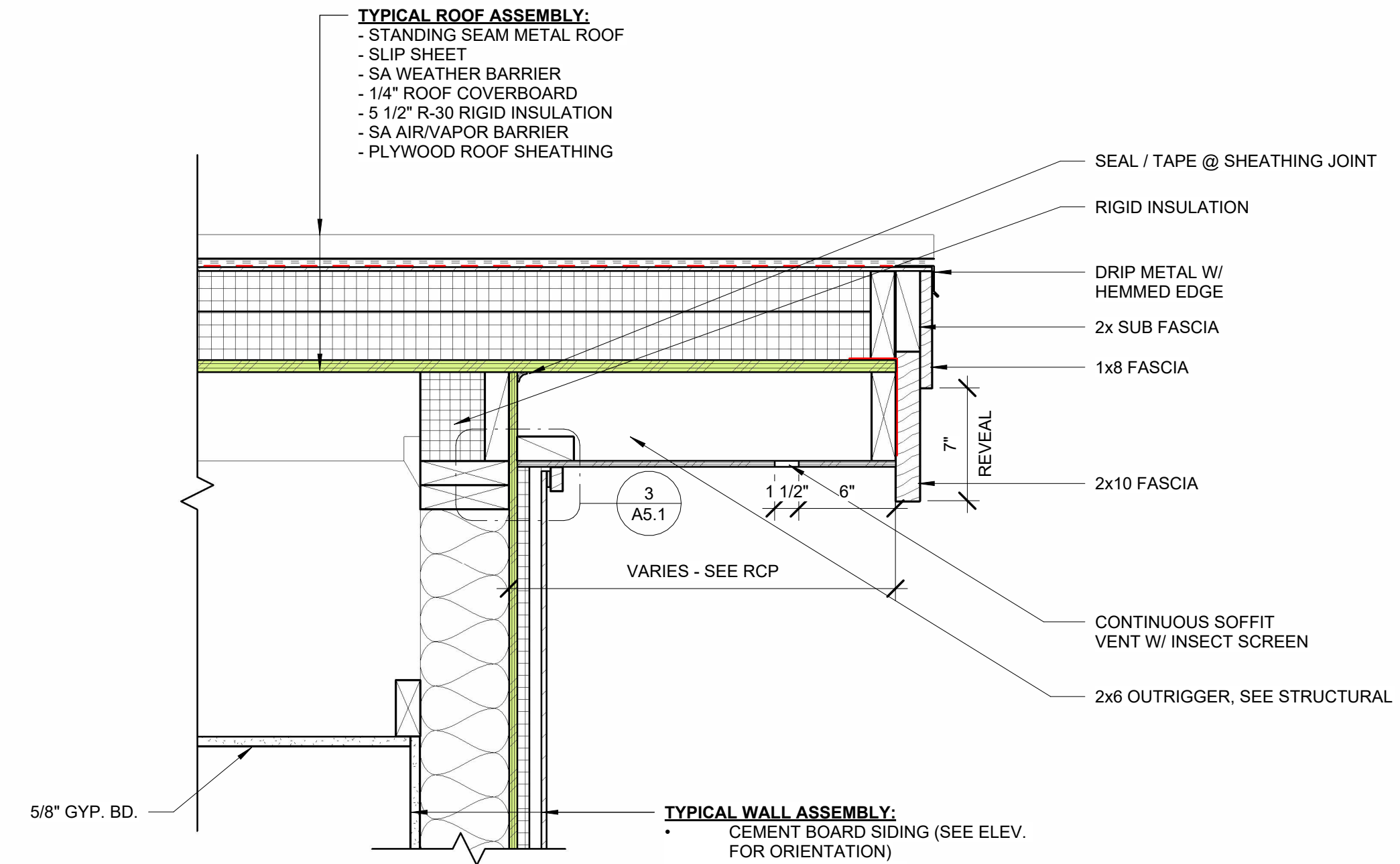
DATE: OCTOBER 2023

SHEET TITLE:
EXTERIOR DETAILS

A5.1

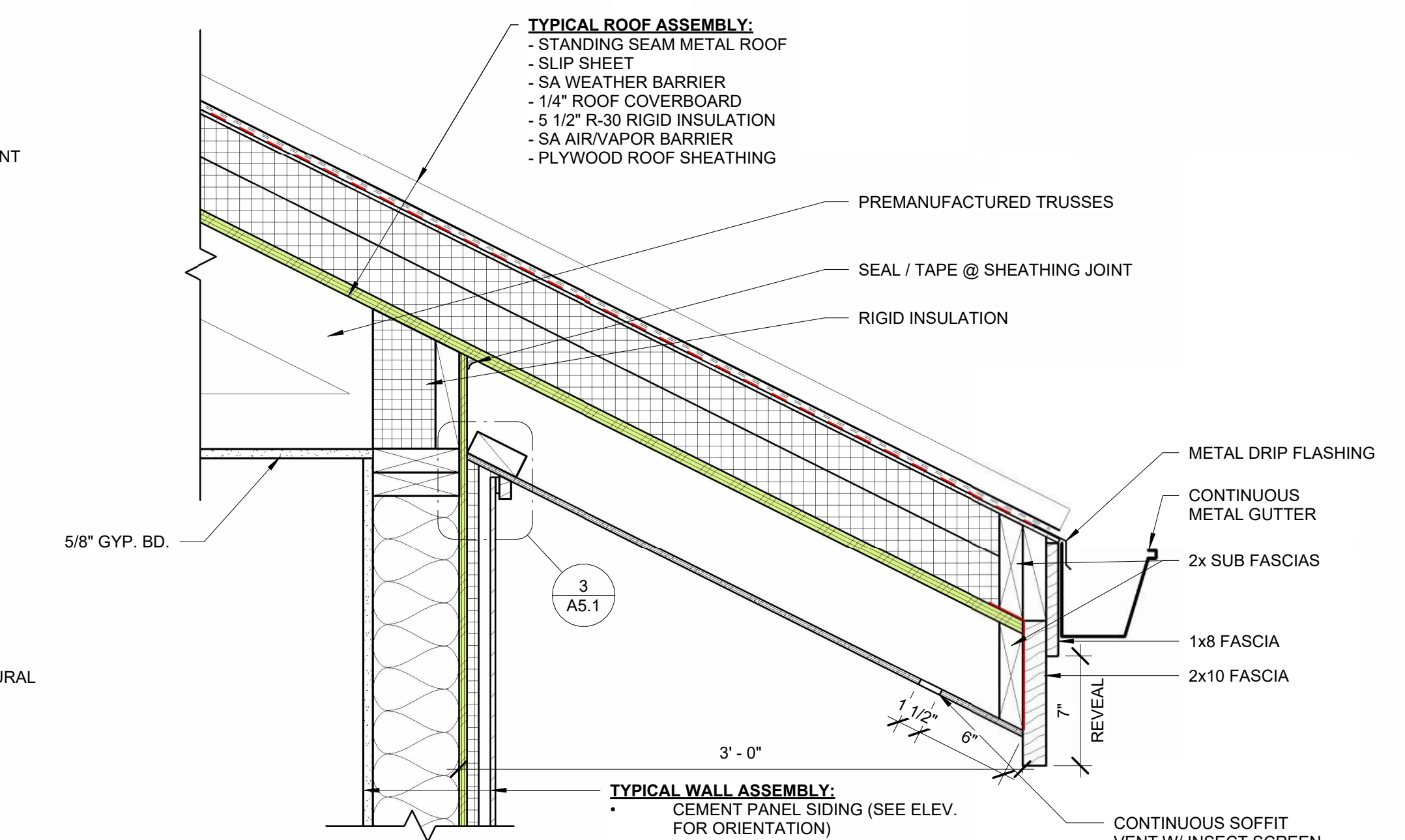


3 TOP OF RAINSCREEN
3" = 1'-0"



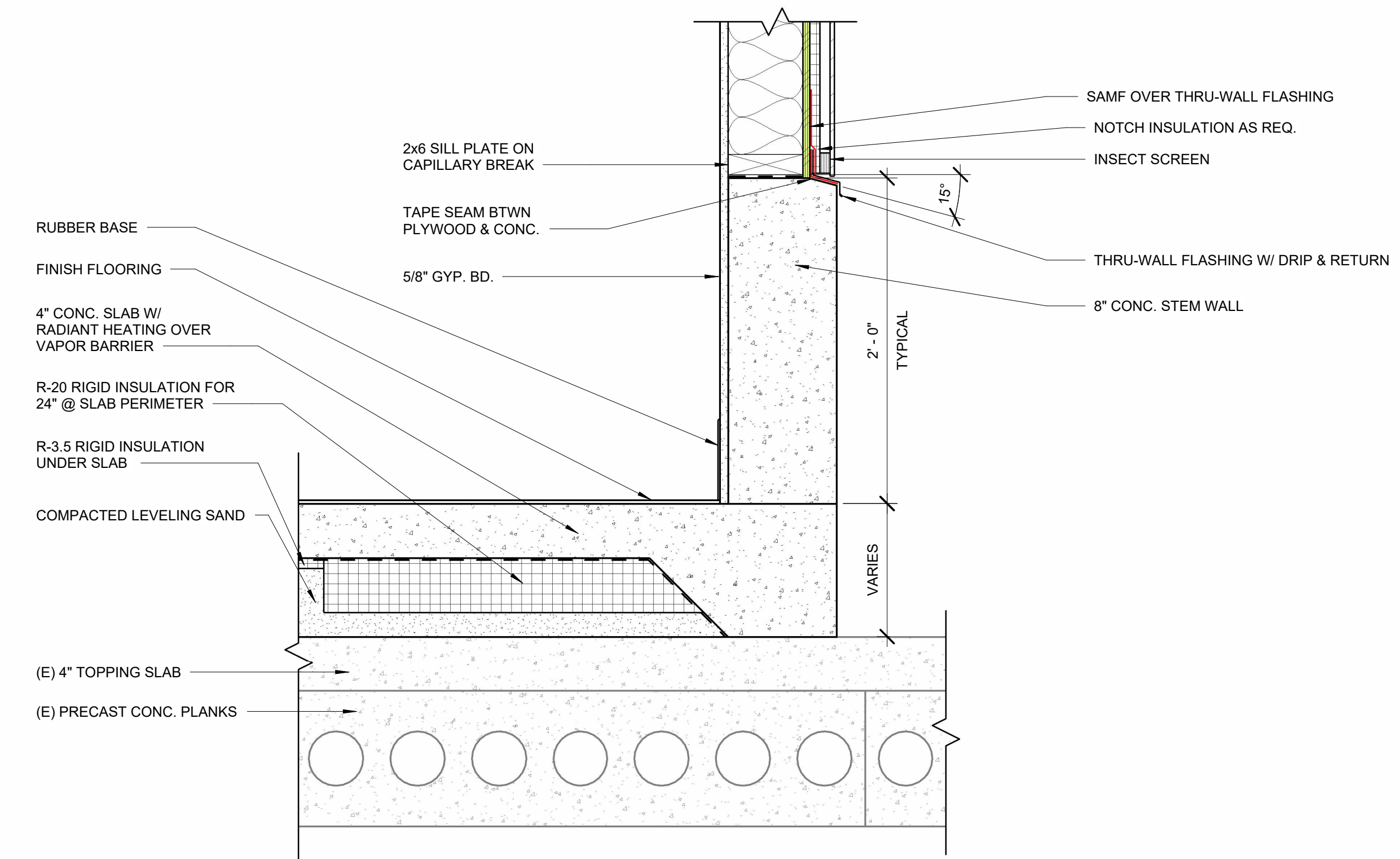
4 TYP. RAKE
1 1/2" = 1'-0"

- TYPICAL WALL ASSEMBLY:**
- CEMENT BOARD SIDING (SEE ELEV. FOR ORIENTATION)
 - 3/4" FURRING STRIPS
 - R-3.8 RIGID INSULATION
 - WRB
 - PLYWOOD SHEATHING
 - 2x6 W/ R-19 BATT INSULATION
 - 5/8" GYP. BD.



2 TYP. EAVE
1 1/2" = 1'-0"

- TYPICAL WALL ASSEMBLY:**
- CEMENT PANEL SIDING (SEE ELEV. FOR ORIENTATION)
 - 3/4" FURRING STRIPS
 - R-3.8 RIGID INSULATION
 - PLYWOOD SHEATHING W/ INTEGRATED WRB. SEAMS TAPED
 - 2x6 W/ R-19 BATT INSULATION
 - 5/8" GYP. BD.



1 TYP. CONC. STEM WALL
1 1/2" = 1'-0"

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. : 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

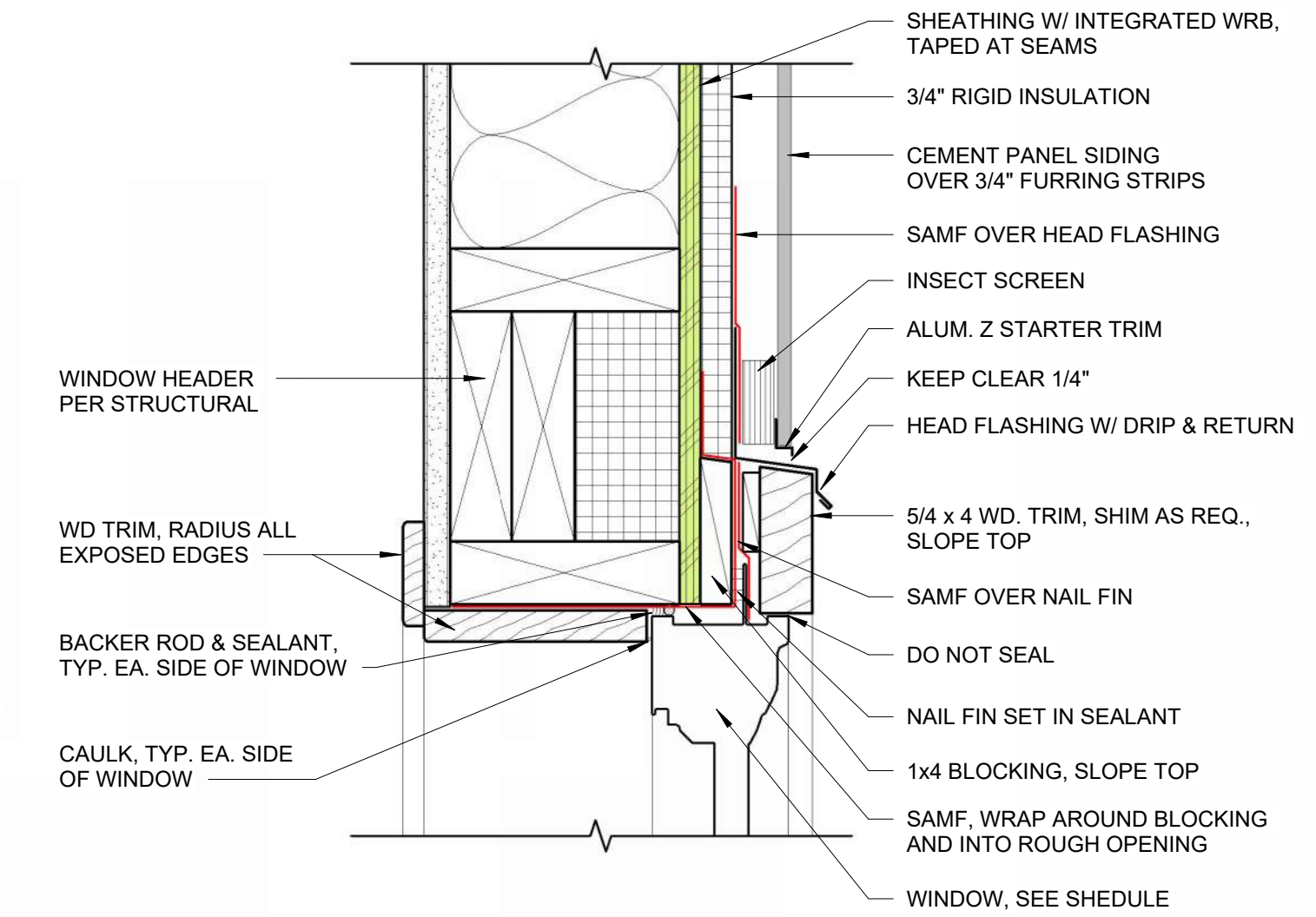
DESIGN LEVEL.

REVISIONS:
DATE DESCRIPTION

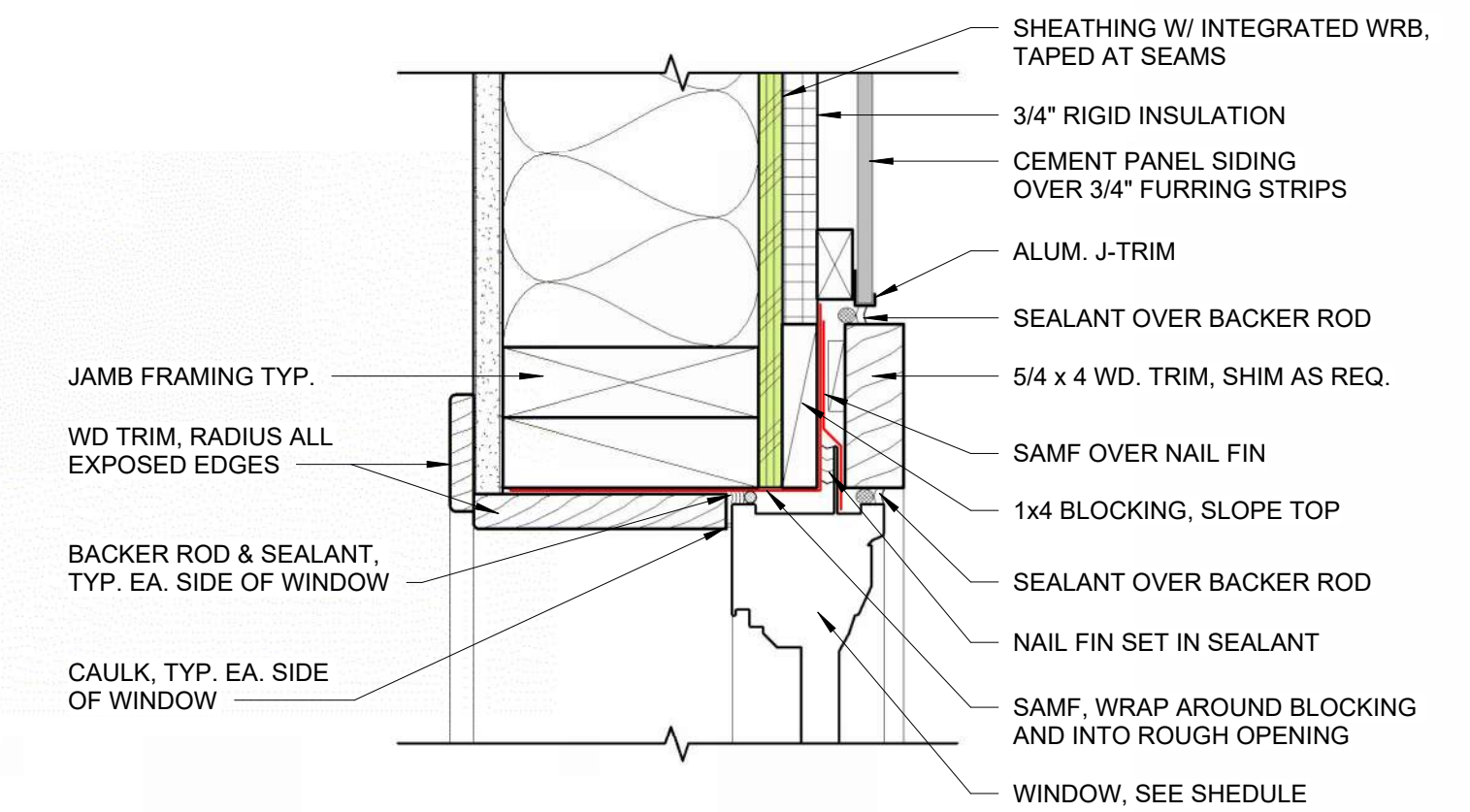
DATE: OCTOBER 2023

SHEET TITLE:
OPENING DETAILS

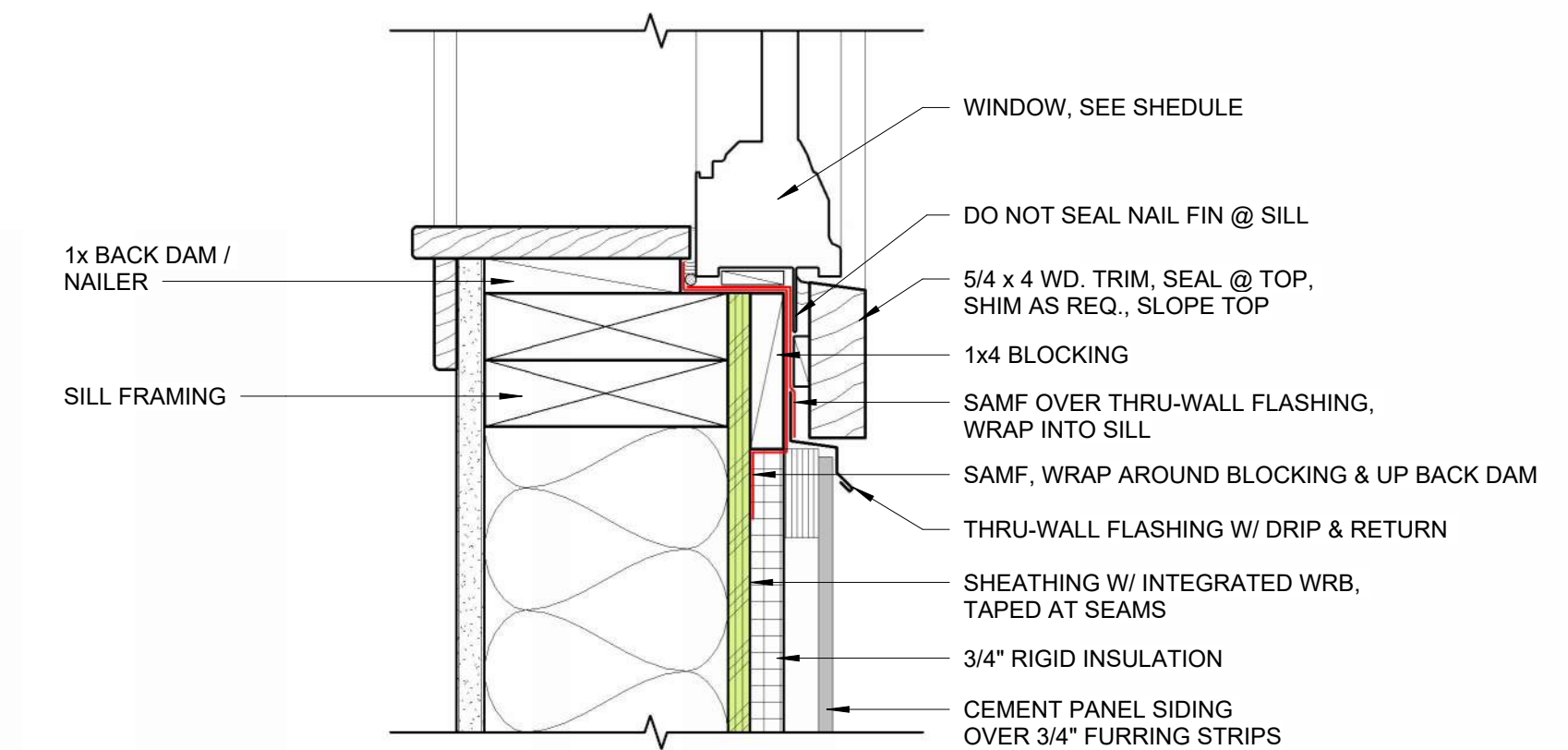
A5.2



1 WINDOW HEAD
3" = 1'-0"



2 WINDOW JAMB
3" = 1'-0"



3 WINDOW SILL
3" = 1'-0"

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

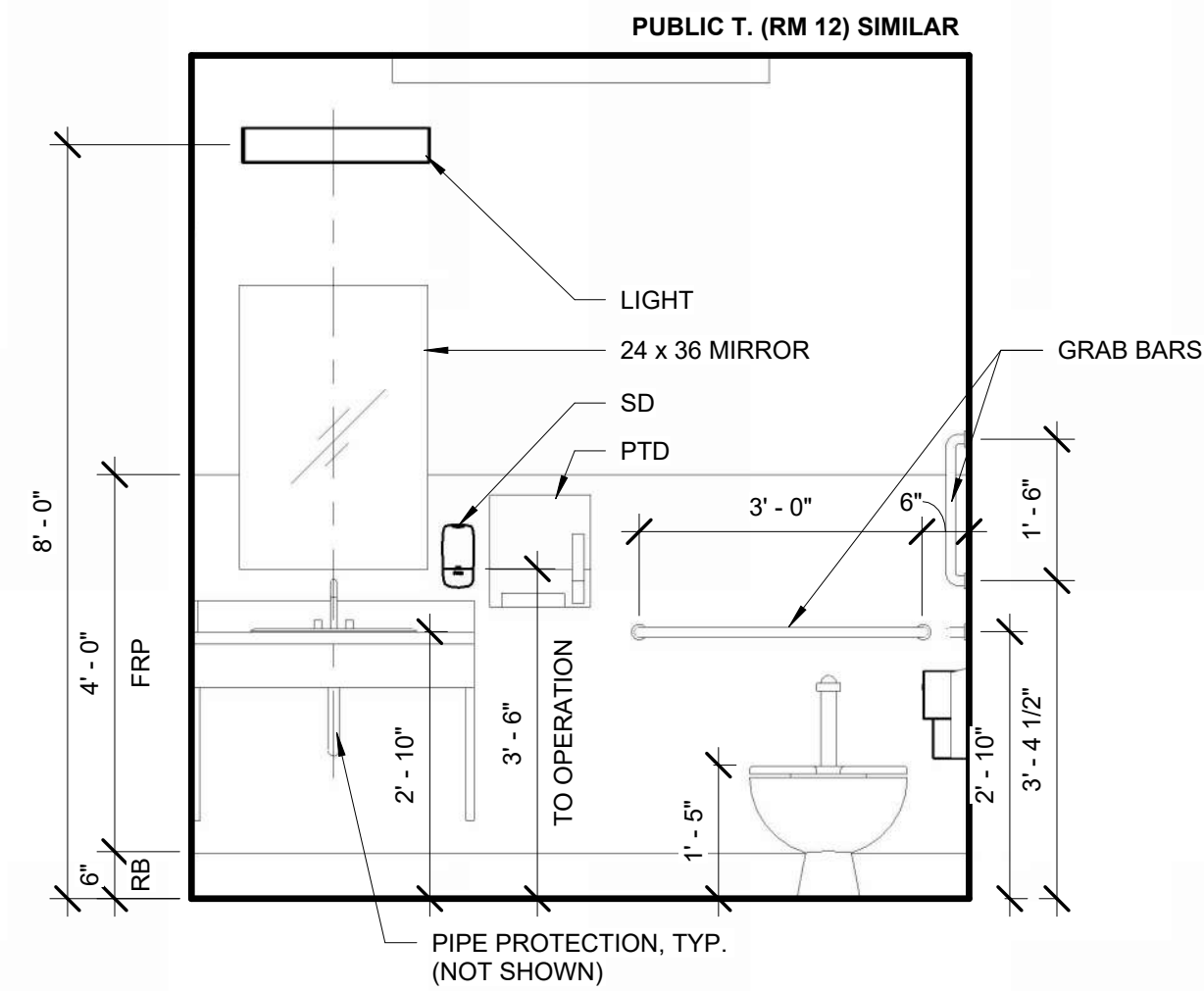
DESIGN DEVEL.

REVISIONS:
DATE DESCRIPTION

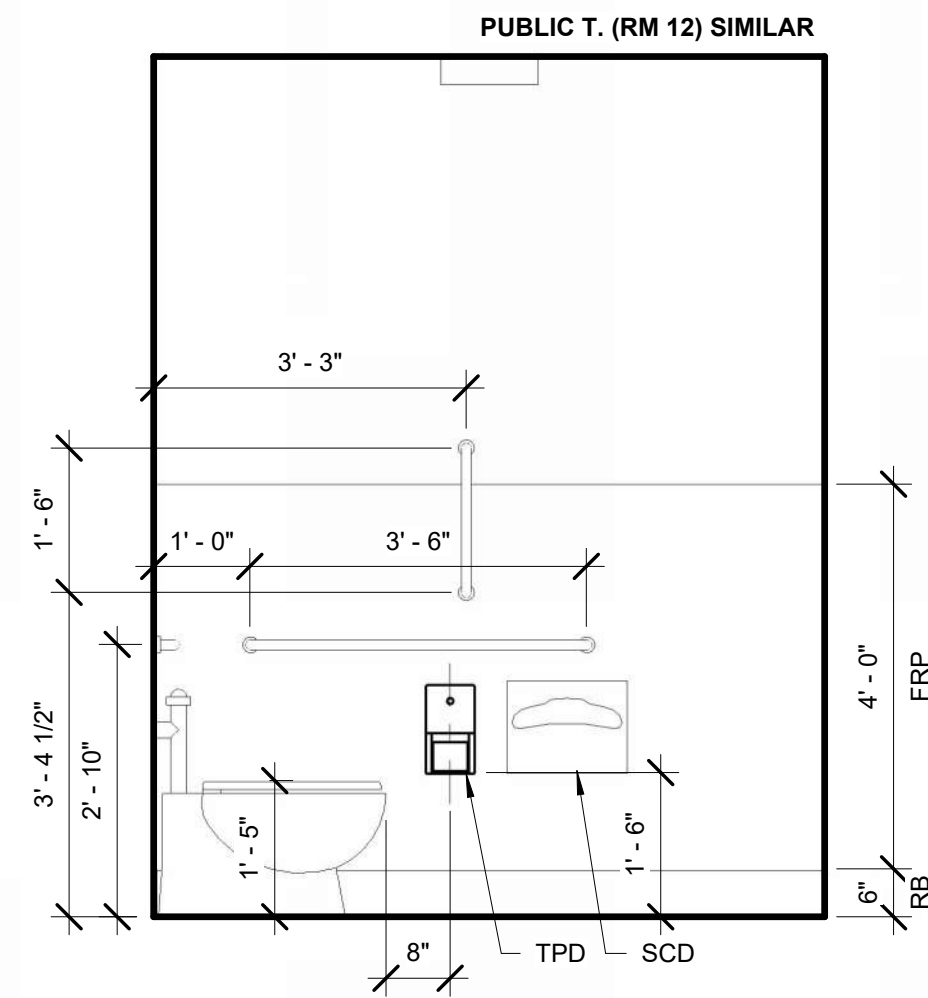
DATE: OCTOBER 2023

SHEET TITLE:
**INTERIOR
ELEVATIONS**

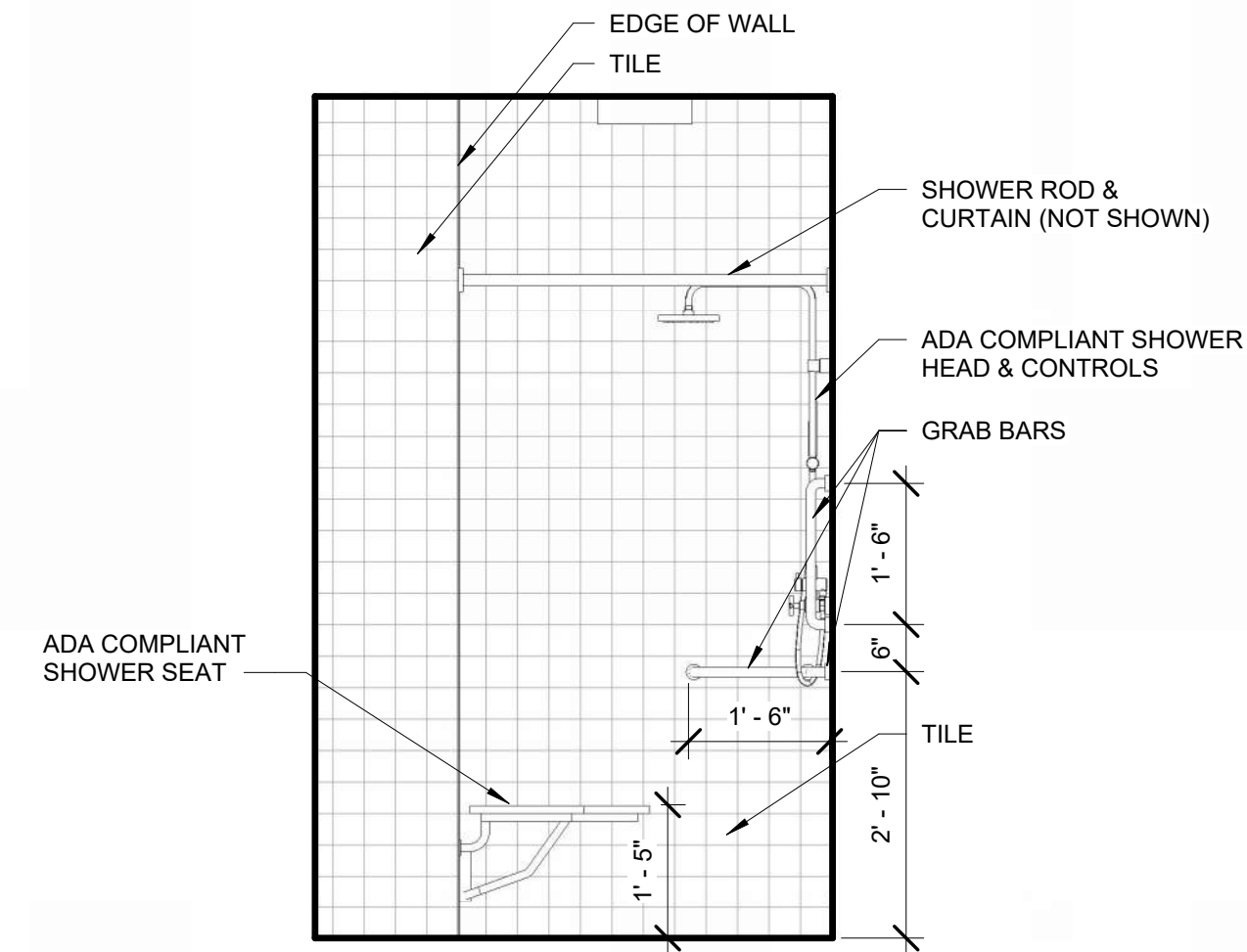
A6.1



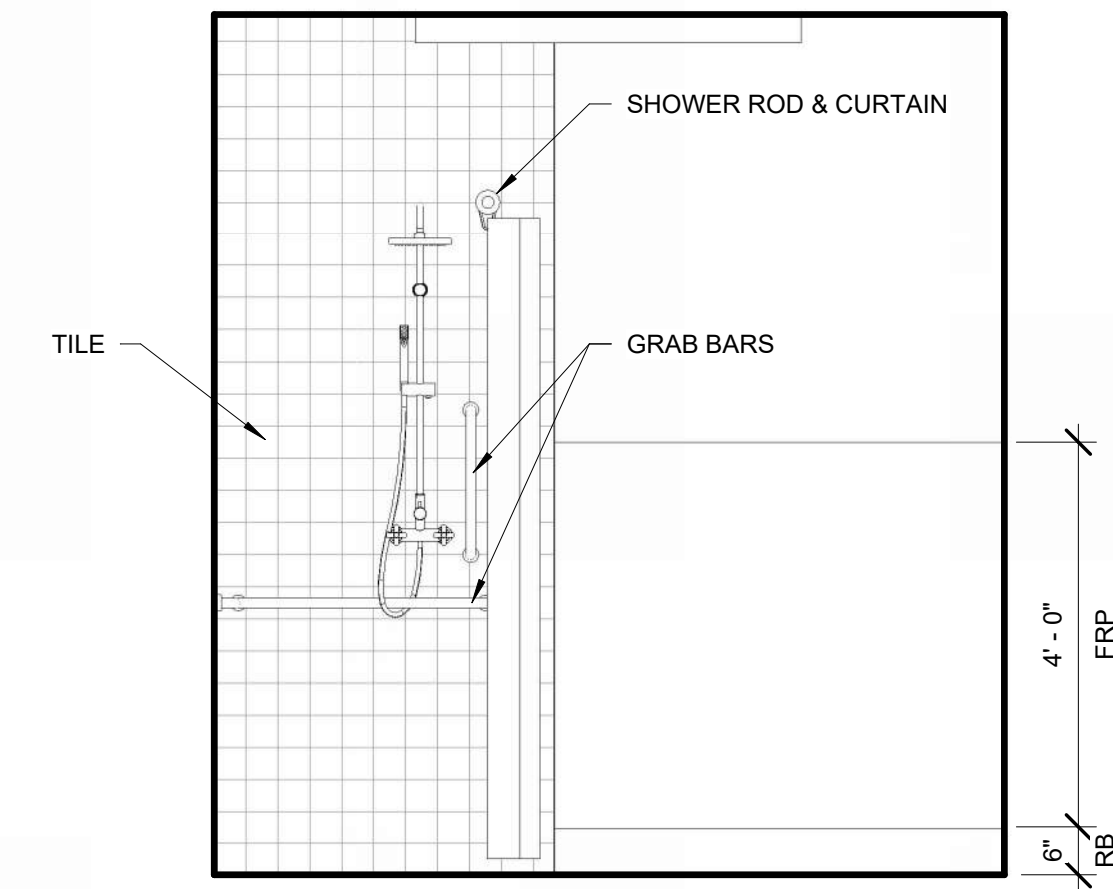
8 PUBLIC T. - RM 15 - SOUTH
1/2" = 1'-0"



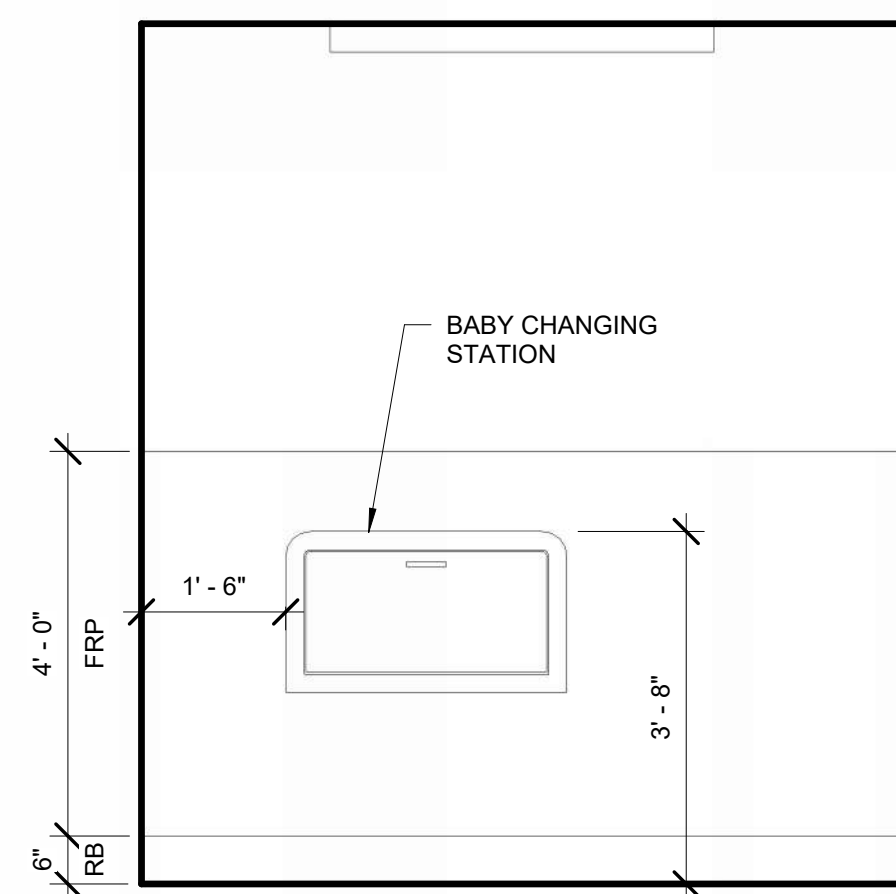
7 PUBLIC T. - RM 15 - WEST
1/2" = 1'-0"



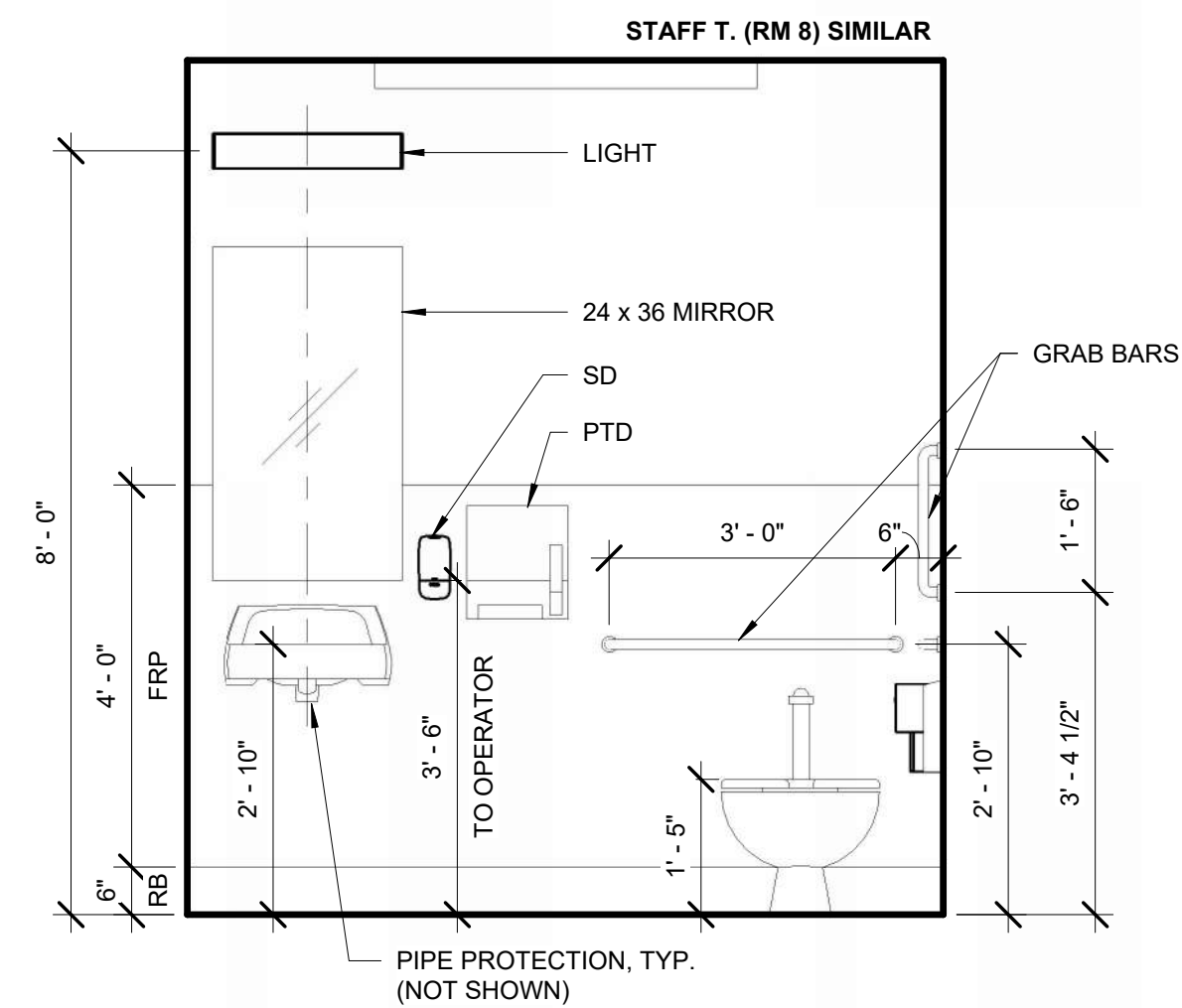
6 PUBLIC ADA SH. - RM 16 - WEST
1/2" = 1'-0"



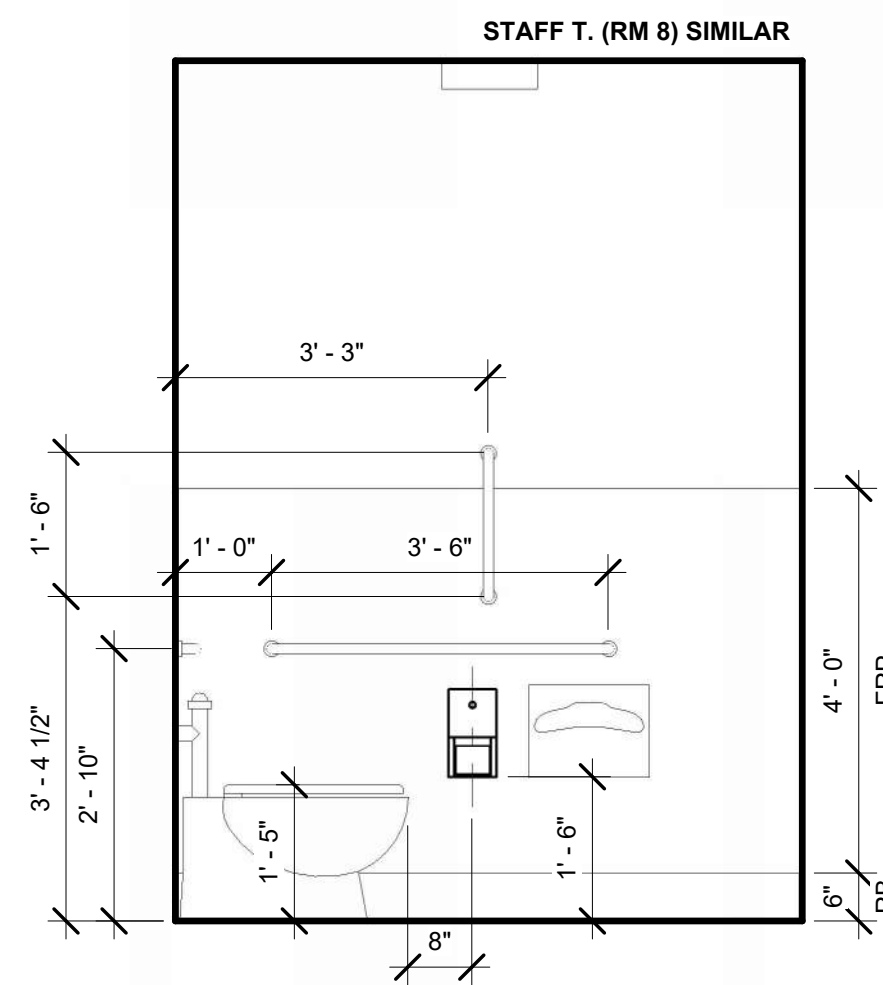
5 PUBLIC ADA SH. - RM 16 - NORTH
1/2" = 1'-0"



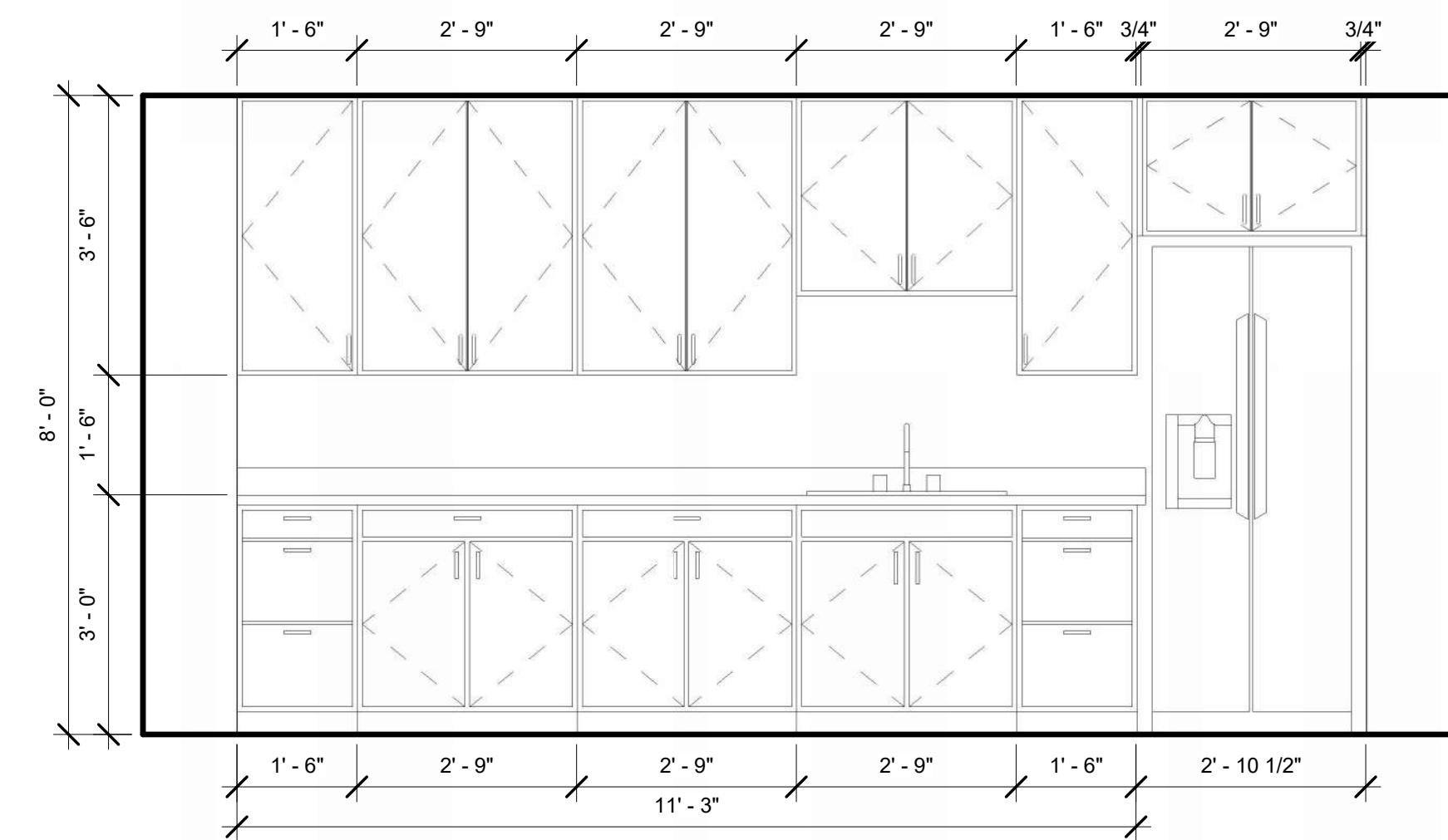
4 PUBLIC T. - RM 14 - EAST
1/2" = 1'-0"



3 PUBLIC T. - RM 14 - WEST
1/2" = 1'-0"

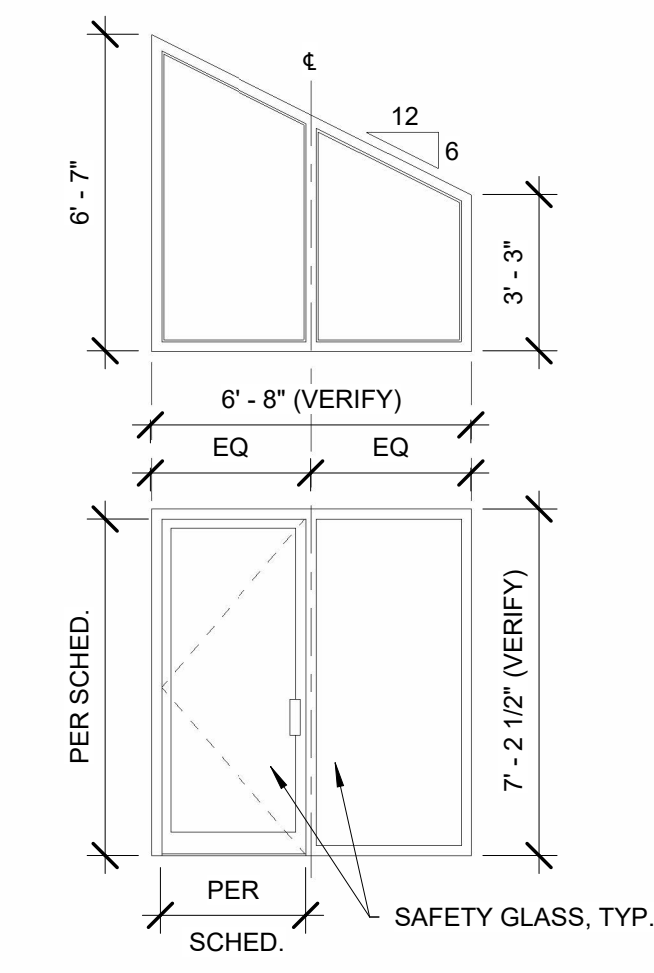


2 PUBLIC T. - RM 14 - NORTH
1/2" = 1'-0"



1 CONFERENCE / BREAK ROOM - RM 6 - SOUTH
1/2" = 1'-0"

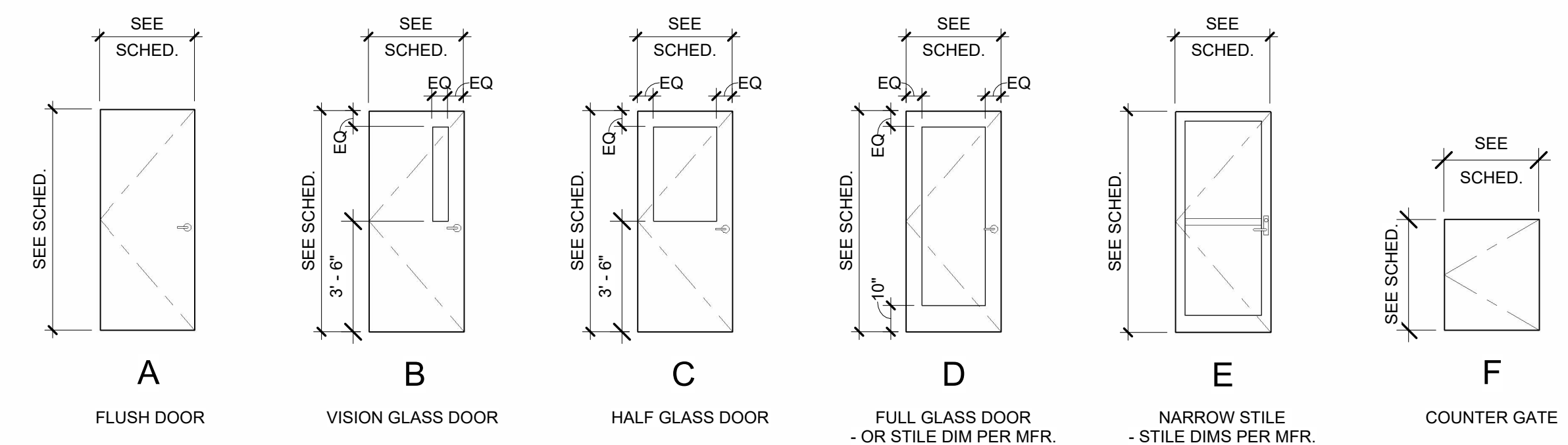
ROOM FINISH SCHEDULE										
ROOM NAME	ROOM NO.	FLOOR FINISH	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	CEILING HEIGHT	NOTES
ENTRY	1	LVT	RB	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	T&G	VARIABLES	
RECEPTION	2	LVT	RB	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACOUSTIC	9'-0"	
OPEN WORK SPACE	3	LVT	RB	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACOUSTIC	9'-0"	
FINANCE OFFICE	4	LVT	RB	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACOUSTIC	9'-0"	
DIRECTOR'S OFFICE	5	LVT	RB	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACOUSTIC	9'-0"	
CONFERENCE / BREAK RM	6	LVT	RB	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	T&G	VARIABLES	
ELECTRICAL / BOILER CLOSET	7	SEALED CONC.	RB	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	10' - 5 3/8"	
STAFF TOILET	8	LVT	RB	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD.	10' - 5 3/8"	
HALL	9	LVT	RB	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACOUSTIC	9'-0"	
STORAGE	10	LVT	RB	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACOUSTIC	9'-0"	
CUSTODIAL	11	SEALED CONC.	RB	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD.	8' - 11 3/8"	
PUBLIC TOILET	12	SEALED CONC.	RB	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD.	8' - 11 3/8"	
SHOWER	13	SEALED CONC.	RB	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD.	8' - 11 3/8"	
PUBLIC TOILET	14	SEALED CONC.	RB	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD.	8' - 11 3/8"	
PUBLIC TOILET	15	SEALED CONC.	RB	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD. & FRP	GYP. BD.	8' - 11 3/8"	
ADA SHOWER	16	SEALED CONC.	RB	GYP. BD. & FRP, TILE	GYP. BD. & FRP	GYP. BD. & FRP, TILE	GYP. BD. & FRP, TILE	GYP. BD.	8' - 11 3/8"	
MECH. ATTIC	17									



NOTE: SEE ELEVATIONS AND SECTIONS FOR DETAILS

2 ENTRY DOOR / WINDOW ELEVATION
1/4" = 1'-0"

DOOR SCHEDULE										
DOOR NO.	ROOM NAME	SIZE (WxH)	TYPE	DOOR MATERIAL	FRAME MATERIAL	HARDWARE GROUP	THRESHOLD DETAIL	JAMB DETAIL	HEAD DETAIL	NOTES
1A	ENTRY	3'-0" X 7'-0"	E	HM / GLASS	HM					EXTERIOR
2	RECEPTION	3'-0" X 3'-6"	F	WD	WD					COUNTER GATE
4	FINANCE OFFICE	3'-0" X 7'-0"	C	WD / GLASS	HM					
5A	DIRECTOR'S OFFICE	3'-0" X 7'-0"	C	WD / GLASS	HM					
5B	DIRECTOR'S OFFICE	3'-0" X 7'-0"	A	HM	HM					EXTERIOR
6	CONFERENCE / BREAK RM	3'-0" X 7'-0"	C	WD / GLASS	HM					
7	ELECTRICAL / BOILER CLOSET	3'-0" X 7'-0"	A	WD	HM					
8	STAFF TOILET	3'-0" X 7'-0"	A	WD	HM					
9A	HALL	3'-0" X 7'-0"	A	WD	HM					
9B	HALL	3'-0" X 7'-0"	E	HM / GLASS	HM					EXTERIOR
10	STORAGE	3'-0" X 7'-0"	A	WD	HM					
11	CUSTODIAL	3'-0" X 7'-0"	A	WD	HM					
12	PUBLIC TOILET	3'-0" X 7'-0"	A	HM	HM					EXTERIOR
13	SHOWER	3'-0" X 7'-0"	A	HM	HM					LOCKING POCKET DOOR
14	PUBLIC TOILET	3'-0" X 7'-0"	A	HM	HM					EXTERIOR
15	PUBLIC TOILET	3'-0" X 7'-0"	A	HM	HM					EXTERIOR



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

WINDOW SCHEDULE				
MARK	SIZE (WxH)	COUNT	TYPE	NOTES
A	6'-0" X 4'-0"	2	FIXED	
B	6'-0" X 4'-0"	4	FIXED W/ DOUBLE AWNING TRANSOM	W/ INSECT SCREENS
C	6'-0" X 6'-0"	2	FIXED W/ DOUBLE AWNING TRANSOM	W/ INSECT SCREENS
D	4'-0" X 4'-0"	2	FIXED W/ SINGLE AWNING TRANSOM	W/ INSECT SCREEN

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO. : 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN LEVEL.

REVISIONS:		
#	DATE	DESCRIPTION

DATE: OCTOBER 2023

SHEET TITLE:
SCHEDULES

A7.1

DRAWING INDEX		ISSUE LOG	
		DESIGN LEVEL	
S0.1	DRAWING INDEX AND LIST OF ABBREVIATIONS	X	
S0.2	GENERAL STRUCTURAL NOTES	X	
S0.3	GENERAL STRUCTURAL NOTES	X	
S0.4	GENERAL STRUCTURAL NOTES	X	
S0.5	SPECIAL INSPECTIONS	X	
S0.6	SPECIAL INSPECTIONS	X	
S2.1	FOUNDATION PLAN	X	
S2.4	ROOF FRAMING PLAN	X	
S5.1	CONCRETE DETAILS	X	
S7.1	WOOD DETAILS	X	
S7.2	WOOD DETAILS	X	
S7.3	WOOD DETAILS	X	
S7.4	WOOD DETAILS	X	
ISSUE LOG KEY: ' X ' ISSUED AS PART OF A SET ' - ' NOT A PART OF ISSUED SET ' * ' FOR INFORMATION ONLY		DATE	09/29/2023

LIST OF ABBREVIATIONS

A.B.	ANCHOR BOLT	K	KIPS	STD.	STANDARD
ACI	AMERICAN CONCRETE INSTITUTE	KSF	KIPS PER SQUARE FOOT	STRUCT.	STRUCTURAL
ADD'L.	ADDITIONAL	KSI	KIPS PER SQUARE INCH	SYM.	SYMMETRICAL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	LBS.	POUNDS	THRU	THROUGH
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	L.L.	LIVE LOAD	T&G	TONGUE AND GROOVE
ALT.	ALTERNATE	LLH	LONG LEG HORIZONTAL	TRANS.	TRANSVERSE
ALUM.	ALUMINUM	LLV	LONG LEG VERTICAL	TS	LIGHT GAUGE TUBE STEEL
ARCH.	ARCHITECT / ARCHITECTURAL	LOC.	LOCATION	TYP.	TYPICAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	LONG.	LONGITUDINAL	U.N.O.	UNLESS NOTED OTHERWISE
ASD	ALLOWABLE STRENGTH DESIGN LOAD LEVEL	LSL	LAMINATED STRAND LUMBER	U.T.	ULTRASONIC TESTING
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LVF	LOW VELOCITY FASTENER	ULT.	ULTIMATE STRENGTH DESIGN LOAD LEVEL
AWS	AMERICAN WELDING SOCIETY	LVL	LAMINATED VENEER LUMBER	VERT.	VERTICAL
BLDG.	BUILDING	MAX.	MAXIMUM	V.I.F.	VERIFY IN FIELD
BOT.	BOTTOM	MBMA	METAL BUILDING MANUFACTURERS ASSOCIATION	w/	WITH
BRBF	BUCKLING RESTRAINED BRACED FRAME	MECH.	MECHANICAL	WF	WIDE FLANGE
C.G.	CENTER OF GRAVITY	MEPF	MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SAFETY	w/o	WITHOUT
C.I.P.	CAST IN PLACE	MFR.	MANUFACTURER	W.P.	WORK POINT
C.J.	CONTROL JOINT	MIN.	MINIMUM	WPS	WELDING PROCEDURE SPECIFICATION
C.J.P.	COMPLETE JOINT PENETRATION	MISC.	MISCELLANEOUS	WWF	WELDED WIRE FABRIC
CL	CENTERLINE	MPH	MILES PER HOUR		
CLR.	CLEAR	MPP	MASS PLYWOOD PANELS		
CLT	CROSS LAMINATED TIMBER	MT	MAGNETIC PARTICLE TESTING		
CMU	CONCRETE MASONRY UNIT	(N)	NEW		
COL.	COLUMN	N.I.C.	NOT IN CONTRACT		
CONC.	CONCRETE	NLT	NAIL LAMINATED TIMBER		
CONN.	CONNECTION	NOM.	NOMINAL		
CONST.	CONSTRUCTION	NO.	NUMBER		
CONT.	CONTINUOUS	N.T.S.	NOT TO SCALE		
db	BAR DIAMETER	o.c.	ON CENTER		
DBA	DEFORMED BAR ANCHOR	O.D.	OUTSIDE DIAMETER		
DET.	DETAIL	OPP.	OPPOSITE		
DIA., Ø	DIAMETER	OSL	ORIENTED STRAND LUMBER		
DIAG.	DIAGONAL	OWJ	OPEN WEB JOIST		
D.L.	DEAD LOAD	PAF	POWDER ACTUATED FASTENER		
DLT	DOWEL LAMINATED TIMBER	PART.	PARTITION		
DWG.	DRAWING	P/C	PRECAST		
ELEC.	ELECTRICAL	PCF	POUNDS PER CUBIC FOOT		
EL.	ELEVATION	PERIM.	PERIMETER		
EQ.	EQUAL	PL	PLATE		
EXIST., (E)	EXISTING	PP	PARTIAL PENETRATION		
EXP.	EXPANSION	PSF	POUNDS PER SQUARE FOOT		
EXT.	EXTERIOR	PSL	PARALLEL STRAND LUMBER		
FDN.	FOUNDATION	PSI	POUNDS PER SQUARE INCH		
FIN.	FINISH	P/T	POST-TENSIONED		
FLR.	FLOOR	P.T.	PRESSURE TREATED		
FRT	FIRE RETARDANT TREATED	PVC	POLYVINYL CHLORIDE		
FT.	FOOT	R. RAD.	RADIUS		
FTG.	FOOTING	RCSC	RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS		
GA.	GAUGE	REF.	REFERENCE		
GALV.	GALVANIZED	RET.	RETURN		
GL	GLULAM	REINF.	REINFORCING		
HORIZ.	HORIZONTAL	REQ'D.	REQUIRED		
HSS	HOLLOW STRUCTURAL STEEL	REQ'MTS.	REQUIREMENTS		
IBC	INTERNATIONAL BUILDING CODE	SCHED.	SCHEDULE		
I.D.	INSIDE DIAMETER	S.C.	SLIP CRITICAL		
IN.	INCHES	SCL	STRUCTURAL COMPOSITE LUMBER		
INT.	INTERIOR	SIM.	SIMILAR		
		SLFS	SEISMIC FORCE RESISTING SYSTEM		
		S.O.G.	SLAB ON GRADE		
		SPEC.	SPECIFICATION		
		SQ.	SQUARE		
		SS	STAINLESS STEEL		
		SSMA	STEEL STUD MANUFACTURERS ASSOCIATION		

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www.kpff.com
10022300252 R24 acc:360kpff

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO.: 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN LEVEL.

REVISIONS:
DATE DESCRIPTION

DATE: SEPT. 29, 2023

SHEET TITLE:
**DRAWING INDEX
AND LIST OF
ABBREVIATIONS**

S0.1

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GENERAL

STRUCTURAL DRAWINGS ARE A PART OF THE CONTRACT DOCUMENTS AND ARE COMPLEMENTARY TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS, THE SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THE CONTRACT DOCUMENTS INTO THEIR SHOP DRAWINGS AND WORK. AS REQUIRED BY THE GENERAL CONDITIONS, THE CONTRACTOR SHALL PROMPTLY REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES, OR OMISSIONS IN THE CONTRACT DOCUMENTS DISCOVERED BY OR MADE KNOWN TO THE CONTRACTOR.

THE GENERAL STRUCTURAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. WHERE CONFLICT EXISTS, THE MORE STRINGENT OR RESTRICTIVE REQUIREMENT SHALL GOVERN UNTIL CLARIFICATION IS REQUESTED.

CODE REQUIREMENTS:

CONFORM TO THE 2022 OREGON STRUCTURAL SPECIALTY CODE (OSSC), BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC).

TEMPORARY CONDITIONS:

THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES UNTIL COMPLETION.

CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

EXCAVATIONS SHALL NOT REDUCE THE VERTICAL OR LATERAL SUPPORT FOR ANY FOUNDATION OF THIS PROJECT OR ANY ADJACENT STRUCTURE WITHOUT FIRST UNDERPINNING OR PROTECTING THE FOUNDATION AGAINST DETRIMENTAL LATERAL AND/OR VERTICAL MOVEMENT. REF. SUBMITTALS SECTION FOR CONTRACTOR'S DELEGATED DESIGN RESPONSIBILITY WHERE SUCH SUPPORT IS REQUIRED.

EXISTING CONDITIONS:

ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

ASSUMED FUTURE CONSTRUCTION:

VERTICAL: NONE
HORIZONTAL: NONE

DESIGN CRITERIA

DESIGN WAS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE OSSC. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS AND ALLOWABLES WERE USED FOR DESIGN, WITH LIVE LOADS (L.L.) REDUCED PER OSSC:

GRAVITY SYSTEM CRITERIA		
OCCUPANCY OR USE	UNIFORM LOAD	CONCENTRATED LOAD
OFFICES	50 PSF L.L. + 15 PSF PARTITIONS, OR 80 PSF L.L. (INCLUDING PARTITIONS) WHICHEVER IS MORE CRITICAL FOR MEMBER DESIGN	2,000 LBS.
ASSEMBLY AREAS, RETAIL	100 PSF L.L.	2,000 LBS.
STORAGE (LIGHT)	125 PSF L.L.	2,000 LBS.
LIBRARY (STACK ROOMS)	150 PSF L.L.	2,000 LBS.
ROOF LIVE/SNOW LOAD	25 PSF L.L. (ALSO SEE SNOW LOAD CRITERIA BELOW)	
VERTICAL FLOOR DEFLECTION (CLADDING DESIGN)	0.75" OR L/360 WHICHEVER IS LESS LONG TERM DEAD LOAD PLUS LIVE LOAD	
VERTICAL FLOOR DEFLECTION (INTERIOR)	L/360 LIVE LOAD PER OSSC TABLE 1604.3	
GRAVITY LOADING NOTES:	1. LIVE LOADS REDUCED PER OSSC. 2. MEMBERS DESIGNED FOR MORE CRITICAL OF UNIFORM OR CONCENTRATED LOAD.	
SNOW CRITERIA		
DESIGN ROOF SNOW LOAD	25 PSF MINIMUM IN ACCORDANCE WITH OSSC	
GROUND SNOW LOAD	Pg= 10 PSF IN ACCORDANCE WITH: snowload.seao.org	
FLAT ROOF SNOW LOAD	Pf = 11 PSF	
SNOW EXPOSURE FACTOR	Ce = 1.0	
SNOW LOAD IMPORTANCE FACTOR	Is = 1.0	
THERMAL FACTOR	Ct = 1.0	
WIND CRITERIA		
RISK CATEGORY	II	
BASIC WIND SPEED	VULT = 94 MPH (3-SECOND GUST)	
EXPOSURE CATEGORY	C	
GUST / INTERNAL PRESSURE	GCpi = +/- 0.18	
SEISMIC CRITERIA		
RISK CATEGORY	II	
SEISMIC DESIGN CATEGORY	D	
SITE CLASS	D	
SEISMIC IMPORTANCE FACTOR	IE = 1.0	
MAPPED SPECTRAL ACCELERATION PARAMETERS	SS = 2.025	S1 = 0.963
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS	SDS = 1.62	SD1 = XX
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PER ASCE 7-16, SECTION 12.8 X DIRECTION (EAST / WEST) Y DIRECTION (NORTH / SOUTH)	
SEISMIC FORCE RESISTING SYSTEM (SFRS)	WOOD SHEAR WALLS	WOOD SHEAR WALLS
RESPONSE MODIFICATION FACTOR	R = 6.5	R = 6.5
SEISMIC RESPONSE COEFFICIENT	Cs = XX	Cs = XX
DESIGN BASE SHEAR	XXX KIPS	XXX KIPS
REDUNDANCY FACTOR	rho = 1.0	rho = 1.0
DESIGN INELASTIC STORY DRIFT	Δ = XX	Δ = XX

SEISMIC FORCE-RESISTING SYSTEM

THE SEISMIC FORCE-RESISTING SYSTEM (SFRS) FOR THE COMPLETED STRUCTURE IS AS FOLLOWS:

PLYWOOD ROOF SHEATHING ACTS AS A DIAPHRAGM TO DISTRIBUTE LATERAL LOADS TO WOOD SHEAR WALLS.

REFER TO THE GENERAL STRUCTURAL NOTES AND SPECIFICATIONS FOR ADDITIONAL FABRICATING, INSTALLATION, TESTING AND INSPECTION REQUIREMENTS FOR MEMBERS THAT ARE PART OF THE SFRS.

STRUCTURAL OBSERVATIONS

THE STRUCTURAL ENGINEER OF RECORD (SEOR) WILL PERFORM STRUCTURAL OBSERVATIONS BASED ON THE REQUIREMENTS OF THE OSSC AT THE STAGES OF CONSTRUCTION LISTED BELOW. CONTRACTOR SHALL PROVIDE SUFFICIENT ADVANCED NOTICE AND ACCESS FOR THE SEOR TO PERFORM THESE OBSERVATIONS.

ITEM	COMMENTS
PRIOR TO FIRST CONCRETE POUR	AFTER REBAR PLACEMENT
DURING INITIAL WOOD FRAMING CONSTRUCTION	
AS REQUIRED TO ADDRESS STRUCTURAL ISSUES	

A FIELD REPORT WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOLLOWING EACH SITE VISIT.

STRUCTURAL OBSERVATION IS FOR THE GENERAL CONFORMANCE OF THE STRUCTURAL DRAWINGS AND DOES NOT ALLEVIATE ANY SPECIAL INSPECTION REQUIREMENTS.

SPECIAL INSPECTIONS AND TESTING

SPECIAL INSPECTION WILL BE PROVIDED BY THE OWNER BASED ON THE REQUIREMENTS OF THE OSSC AS SUMMARIZED IN THE SPECIAL INSPECTION AND TESTING PROGRAM ON SHEETS S00X-S00X. CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM THESE INSPECTIONS.

SUBMITTALS

SUBMIT SHOP DRAWINGS AND OTHER SUBMITTALS TO THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND CONSTRUCTION OF STRUCTURAL ITEMS. IF THE SUBMITTALS DIFFER FROM OR ADD TO THE STRUCTURAL CONTRACT DOCUMENTS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO REVIEW AND ACCEPTANCE BY THE SEOR.

FIELD ENGINEERED DETAILS DEVELOPED BY THE CONTRACTOR THAT DIFFER FROM OR ADD TO THE STRUCTURAL DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO CONSTRUCTION.

THE USE OF REPRODUCTIONS OR PHOTOCOPIES OF THE CONTRACT DRAWINGS SHALL NOT BE PERMITTED. WHEN CAD OR REVIT FILES ARE PROVIDED TO THE CONTRACTOR OR SUBCONTRACTORS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR/SUBCONTRACTOR TO REMOVE ALL INFORMATION NOT DIRECTLY RELEVANT TO THE SCOPE OF THE SUBMITTAL AS WELL AS ALL REFERENCES TO OUTSIDE SOURCE FILES.

DELEGATED DESIGN SUBMITTALS SHALL INCLUDE DESIGN DRAWINGS AND CALCULATIONS FOR ITEMS THAT ARE DESIGNED BY OTHERS. DELEGATED DESIGN SUBMITTALS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON ON EVERY DRAWING SHEET AND ON THE CALCULATION COVER SHEET, AND SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION. CALCULATIONS AND DETAILS SHALL BE INCLUDED FOR ALL CONNECTIONS TO THE STRUCTURE, CONSIDERING LOCALIZED EFFECTS ON STRUCTURAL ELEMENTS. DESIGN SHALL BE BASED ON THE REQUIREMENTS OF THE OSSC AND AS NOTED UNDER "DESIGN CRITERIA".

SUBMITTALS AND DELEGATED DESIGN SUBMITTALS SHALL INCLUDE THE FOLLOWING:

ITEM	SUBMITTAL	DELEGATED DESIGN SUBMITTAL	COMMENTS
CONCRETE MIX DESIGNS	X		
CONCRETE REINFORCEMENT	X		
CONCRETE ANCHORAGES	X		
EMBEDDED STEEL ITEMS	X		
CONSTRUCTION JOINT LAYOUT	X		
STRUCTURAL STEEL	X		
STEEL WELDING PROCEDURES	X		
GLUE-LAMINATED MEMBERS	X		
ENGINEERED WOOD I-JOISTS	X		
METAL PLATE CONNECTED WOOD TRUSSES		X	
PENETRATIONS OF SLABS/DECKS, WALLS, ETC. SKYLIGHTS, CURTAIN WALL, WINDOW WALL AND OTHER CLADDING AND GLAZING SYSTEMS	X	X	REF. TABLE NOTE 3
CANOPIES AND AWNINGS	X		
METAL STAIRS, LADDERS, AND RAILINGS		X	
ROOF TIE-OFF ANCHORS		X	

TABLE NOTES:

- THE CONTRACTOR SHALL COORDINATE SEISMIC RESTRAINTS OF MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE SAFETY EQUIPMENT AND ASSOCIATED DISTRIBUTION SYSTEMS WITH THE STRUCTURE. CONNECTIONS TO STRUCTURE AND PROVISIONS FOR SEISMIC MOVEMENTS SHALL CONFORM TO ASCE 7-16 CHAPTER 13. BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF OREGON, AND SHALL BE SUBMITTED TO THE ARCHITECT AND SEOR PRIOR TO FABRICATION. FOR RISK CATEGORY III AND IV BUILDINGS, THE SYSTEMS ENGINEER SHALL SPECIFY THE REQUIREMENTS FOR EQUIPMENT SEISMIC CERTIFICATION IN THE DEFERRED SUBMITTAL IN ACCORDANCE WITH OSSC SECTION 1705.13.4 AND ASCE 7-16 SECTION 13.2.2.
- CONTRACTOR SHALL ENGAGE A PROFESSIONAL ENGINEER TO PREPARE AN ASSESSMENT OF ANY EXCAVATIONS THAT MAY REDUCE THE VERTICAL OR LATERAL SUPPORT OF AN EXISTING FOUNDATION AS REQUIRED BY OSSC SECTION 1803.5.7. THE ASSESSMENT SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND SHALL INCLUDE DETAILS AND SEQUENCING FOR CONSTRUCTION OF ANY UNDERPINNING OR BRACING THAT IS REQUIRED.
- CONTRACTOR SHALL COORDINATE AND SHOW ALL REQUIRED PENETRATIONS, WITH DIMENSIONS FOR MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, TECHNOLOGY AND OTHER SERVICES ON A SINGLE DRAWING FOR REVIEW AT EACH SLAB/DECK, STRUCTURAL WALL AND/OR BEAM.

CONCRETE MIX DESIGNS

CONCRETE WORK SHALL CONFORM TO CHAPTER 19 OF THE OSSC. CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD CYLINDER TESTS PER ASTM C39. CONCRETE MIX TO BE DESIGNED AND PROPORTIONED BY THE CONTRACTOR IN ACCORDANCE WITH ACI 318-19 CHAPTER 26, ACI 301-16 SECTION 4 AND THE FOLLOWING INFORMATION:

MIX TYPE	USE	f _c (PSI)	TEST AGE (DAYS)	MAX. W/CM RATIO	MAX. AGG. SIZE	EXPOSURE CLASS			
A	MISC. INTERIOR CURBS, PADS, ETC.	3,000	28	N/A	1"	F0	S0	W0	C0
B	INTERIOR SLABS ON GRADE	4,000	28	N/A	1"	F0	S0	W0	C0
C	WALLS, COLUMNS AND BEAMS - EXPOSED TO WEATHER	4,500	28	0.45	3/4"	F1	S0	W0	C0

TABLE NOTES:

- REF. ACI 318-19 TABLE 19.3.2.1 FOR ADDITIONAL MIX REQUIREMENTS SPECIFIC TO EXPOSURE CLASS.
- ALL CONCRETE MIXES TO BE NORMAL WEIGHT CONCRETE, U.N.O.
- EXPOSURE CATEGORY "F" APPLIES TO LEVEL OF FREEZE THAW EXPOSURE.
- EXPOSURE CATEGORY "S" APPLIES TO LEVEL OF SULFATE EXPOSURE.
- EXPOSURE CATEGORY "W" APPLIES TO REQUIRED LEVEL OF PERMEABILITY.
- EXPOSURE CATEGORY "C" APPLIES TO CORROSIVE LOCATIONS - INCLUDING SURROUNDING ENVIRONMENT (SUCH AS MARINE ENVIRONMENT) AND CORROSIVE SOILS.
- ESTABLISH WATER-CEMENTITIOUS MATERIAL RATIO PER ACI 301-16 SECTION 4.
- VERIFY WATER-CEMENTITIOUS MATERIAL RATIO WITH FLOOR COVERING MANUFACTURER FOR CONCRETE FLOORS WITH MOISTURE SENSITIVE FLOOR COVERINGS.
- REFERENCE SLABS EXPOSED TO VIEW GENERAL NOTES FOR ADDITIONAL MIX REQUIREMENTS.

PORTLAND CEMENT CONTENT MAY BE REPLACED WITH FLY ASH CONFORMING TO ASTM C618 (INCLUDING TABLE 2A) TYPE F OR TYPE C, SLAG CEMENT CONFORMING TO ASTM C989, AND SILICA FUME CONFORMING TO ASTM C1240 PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY TEST DATA.

FOR MIX DESIGNS WITH f_c = 5,000 PSI OR LESS, SLAG CEMENT MAY BE SUBSTITUTED FOR FLY ASH AT A 1:1 RATIO WITHOUT TEST DATA. WHEN SLAG CEMENT IS SUBSTITUTED IN HIGHER STRENGTH MIXES OR AT A DIFFERENT RATIO, THE MIX STRENGTH MUST BE SUBSTANTIATED BY TEST DATA.

ALL CONCRETE SUBJECT TO EXPOSURE CLASSES F1, F2 OR F3 SHALL BE AIR ENTRAINED. AIR-ENTRAINING AGENTS SHALL CONFORM TO ASTM C260. THE AMOUNT OF ENTRAINED AIR SHALL BE ACCORDING TO ACI 318-19 TABLE 19.3.3.1 AS INDICATED BELOW WITH A FIELD TOLERANCE OF ± 1.5 PERCENT BY VOLUME. THE AMOUNT OF ENTRAINED AIR SHALL BE MEASURED IN THE FIELD AT THE DISCHARGE FROM THE TRUCK.

CONCRETE MIX AIR CONTENT		
MAX. AGGREGATE SIZE	CONCRETE SUBJECT TO FREEZE/THAW (EXPOSURE CLASS F1)	CONCRETE SUBJECT TO CONT. MOISTURE AND/OR DEICING CHEMICALS (EXPOSURE CLASS F2 AND F3)
3/8"	6.0%	7.5%
1/2"	5.5%	7.0%
3/4"	5.0%	6.0%
1"	4.5%	6.0%
1-1/2"	4.5%	5.5%
ANY WET-MIX SHOTCRETE	5.0%	6.0%

A WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494 USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS SHALL BE INCORPORATED IN CONCRETE MIX DESIGNS. A HIGH-RANGE WATER-REDUCING (HRWR) ADMIXTURE CONFORMING TO ASTM C494 TYPE F OR G MAY BE USED IN CONCRETE MIXES PROVIDING THAT THE SLUMP DOES NOT EXCEED 10".

FORMWORK, SHORING AND RE-SHORING

FORMWORK, SHORING AND RE-SHORING DESIGN IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL CONFORM TO ACI 347R-14 AND ACI 347.2-17. SHORING AND SUPPORTING FORMWORK SHALL NOT BE REMOVED FROM HORIZONTAL MEMBERS BEFORE CONCRETE STRENGTH IS AT LEAST 70 PERCENT OF DESIGN STRENGTH, AS DETERMINED BY FIELD CURED CYLINDERS. IN ADDITION, SHORING SHALL NOT BE REMOVED SOONER THAN THE FOLLOWING CUMULATIVE TIME PERIODS WITH SURROUNDING TEMPERATURE GREATER THAN OR EQUAL TO 50 DEGREES FAHRENHEIT:

ELEMENT	MINIMUM REMOVAL TIME	COMMENTS
WALLS, COLUMNS AND BEAM SIDES	12 HOURS	WHERE FORMS ALSO SUPPORT FORMWORK FOR SLABS OR SOFFITS, THE REMOVAL TIME OF THE LATTER GOVERNS.

WHERE NEW CONCRETE IS PLACED AGAINST EXISTING CONCRETE, THE EXISTING CONCRETE SURFACE SHALL BE CLEANED AND PREWETTED WITH STANDING WATER REMOVED AS INDICATED PER ACI 318-19 SECTION 26.5.6.2. JOINTS SHALL BE INTENTIONALLY ROUGHENED TO 1/4" AMPLITUDE WHERE INDICATED AS "ROUGHENED" IN THE DRAWINGS AND AT JOINTS IN MEMBERS THAT ARE PART OF THE SFRS UNLESS A SHEAR KEY IS SPECIFICALLY DETAILED.

PROVIDE 3/4" CHAMFERS ON ALL EXPOSED CONCRETE EDGES, UNLESS NOTED OTHERWISE.

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PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO.: 22.01

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN LEVEL.

REVISIONS:
DATE DESCRIPTION

DATE: SEPT. 29, 2023

SHEET TITLE:
GENERAL
STRUCTURAL
NOTES

S0.2

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CONCRETE REINFORCING STEEL

CONCRETE REINFORCEMENT SHALL BE AS LISTED BELOW. ASTM A615 REINFORCEMENT MAY BE SUBSTITUTED FOR ASTM A706 REINFORCEMENT PROVIDED THAT THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED Fy BY MORE THAN 18,000 PSI AND THE RATIO OF ACTUAL TENSILE STRENGTH TO ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25 AND THE ELONGATION REQUIREMENTS OF ASTM A706 ARE MET PER ACI 318-19 SECTION 20.2.2.5. MILL TESTS CERTIFICATIONS FOR SUBSTITUTED BARS SHALL BE SUBMITTED TO THE SPECIAL INSPECTOR AND SEOR PRIOR TO PLACEMENT. ASTM A706 REINFORCEMENT MAY BE SUBSTITUTED FOR ASTM A615 REINFORCEMENT.

REINFORCING LOCATION	MATERIAL GRADE
REINFORCING TO BE WELDED	ASTM A706 GRADE 60
ALL OTHER USES U.N.O.	ASTM A615 GRADE 60
SMOOTH WELDED WIRE FABRIC (WWF)	ASTM A1064

ALL REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE. BARS IN BEAMS AND SLABS SHALL BE SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL OR PLASTIC CHAIRS, AS SPECIFIED BY THE CRSI MANUAL OF STANDARD PRACTICE, MSP-1. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI MNL-66 "ACI DETAILING MANUAL". SHOP DRAWINGS SHALL INCLUDE ELEVATIONS OF ALL BEAMS, WALLS AND COLUMNS SHOWING BAR LOCATIONS.

REINFORCING BARS SHALL NOT BE BENT OR STRAIGHTENED IN THE FIELD WITHOUT APPROVAL OF THE SEOR. PREHEATING METHODS SHALL BE SUBMITTED TO THE SEOR FOR APPROVAL PRIOR TO BENDING OF BARS #6 OR LARGER.

LAP ALL REINFORCING BARS PER THE TYPICAL LAP SPLICE LENGTH SCHEDULES, EXCEPT AS NOTED ON DRAWINGS. USE LAP LENGTH FOR SMALLER BAR WHEN SPLICING DIFFERENT BAR SIZES. BARS SPLICED WITH NONCONTACT LAPS SHALL BE SPACED NO FARTHER THAN 1/5TH THE LAP LENGTH OR 6 INCHES. MECHANICAL SPLICES NOTED ON THE PLANS SHALL BE DAYTON SUPERIOR BAR-LOCK OR TAPER-LOCK COUPLERS (JES ER-319) OR APPROVED EQUAL WITH A CURRENT EVALUATION REPORT.

TYP. WALL AND SLAB LAP SPLICE LENGTH SCHEDULE (IN.) - 60 KSI												
BAR SIZE	WALL VERTICAL AND SLAB BOTTOM BARS						WALL HORIZONTAL AND SLAB TOP BARS					
	3,000 PSI	4,000 PSI	5,000 PSI	6,000 PSI	7,000 PSI	≥ 8,000 PSI	3,000 PSI	4,000 PSI	5,000 PSI	6,000 PSI	7,000 PSI	≥ 8,000 PSI
#3	18	16	16	16	16	16	24	20	18	18	18	16
#4	30	26	24	22	20	18	38	34	30	28	26	24
#5	36	32	28	26	24	22	48	42	36	34	32	30
#6	44	38	34	32	28	28	56	50	44	40	38	36
#7	70	60	54	50	46	44	90	78	70	64	60	56
#8	86	74	68	62	56	54	112	98	88	80	74	70
#9	104	90	82	74	68	64	136	118	106	96	90	84
#10	126	108	98	88	82	78	162	142	126	116	106	100
#11	146	128	114	104	96	90	190	166	148	136	126	118

CONCRETE COVER		
USE	CLEAR COVER	MIN. CLEAR SPACING
WALLS: INTERIOR FACES	3/4"	2db OR 1"
CONCRETE EXPOSED TO EARTH OR WEATHER	1-1/2" (#5 AND SMALLER) 2" (#6 AND LARGER)	2db OR 1"

CONCRETE WALL REINFORCING

CONCRETE WALL REINFORCEMENT TO BE AS FOLLOWS, U.N.O.:

WALL THICKNESS	HORIZONTAL	VERTICAL	LOCATION
6"	#4 @ 12" o.c.	#4 @ 12" o.c.	AT CL OF WALL
8"	#4 @ 10" o.c.	#4 @ 10" o.c.	AT CL OF WALL
10"	#4 @ 16" o.c.	#4 @ 16" o.c.	AT EACH FACE

CONCRETE REINFORCING DETAILS

CONTINUE HORIZONTAL WALL BARS THROUGH PILASTERS, COLUMNS AND INTERSECTING WALLS. AT SLAB AND WALL OPENINGS PROVIDE A MINIMUM OF TWO #5 BARS OVER, UNDER AND AT THE SIDES OF THE OPENINGS. EXTEND THESE BARS LAP DISTANCE OR A MINIMUM OF 2'-0" PAST THE OPENING. PROVIDE ONE #5x4'-0" FOR SINGLE-LAYER REINFORCING AND ONE #5x4'-0" EACH FACE FOR DOUBLE-LAYER REINFORCING PLACED DIAGONALLY AT EACH CORNER OF ALL OPENINGS. REFER TO TYPICAL DETAILS FOR DISPOSITION OF CORNER BARS AND BARS IN SMALL WALL SECTIONS. SLAB BARS SHALL BE HOOKED INTO WALLS, OR HOOKED DOWELS SHALL BE PROVIDED TO MATCH SLAB REINFORCING. PROVIDE (2) #4x4'-0" PLACED DIAGONALLY AT EACH RE-ENTRANT CORNER IN SLABS. PROVIDE HOOKED DOWELS FROM FOOTINGS TO MATCH VERTICAL WALL REINFORCING, UNLESS NOTED OTHERWISE. SHOP DRAWINGS SHALL INCLUDE ALL SPECIAL REINFORCEMENT LISTED ABOVE.

CONCRETE EMBEDMENTS

HEADED SHEAR STUDS SHALL BE NELSON HEADED ANCHORS WITH FLUXED ENDS (ICC ESR-2856) OR APPROVED ALTERNATE. DEFORMED BAR ANCHORS (DBA) UP TO #6 BAR SHALL BE NELSON D6L A706 STUD WELDABLE REBAR, OR APPROVED ALTERNATE. STUDS AND DBA SHALL BE AUTOMATICALLY END-WELDED WITH THE MANUFACTURER'S STANDARD EQUIPMENT IN ACCORDANCE WITH THEIR RECOMMENDATIONS. REINFORCING STEEL SHALL BE WELDED TO STEEL PLATE OR SECTIONS WITH A CJP WELD OR ALL AROUND FILLET WELD AS INDICATED BELOW:

TYP. REINFORCING STEEL WELDING SCHEDULE		
BAR SIZE	FILLET WELD SIZE (IN.)	MIN. PLATE THICKNESS (IN.)
#3	1/4	1/4
#4	5/16	1/4
#5	3/8	1/4
#6	7/16	5/16

TABLE NOTES:

- ALL WELDED REBAR TO BE ASTM A706 GRADE 60.
- ALL AROUND FILLET WELD USING E70 ELECTRODE OR PROVIDE CJP AT CONTRACTOR'S OPTION.
- BARS TO BE ORIENTATED PERPENDICULAR TO PLATE.
- PLATE TO BE GRADE 36 MINIMUM.

CAST-IN-PLACE ANCHOR BOLTS SHALL BE HEADED BOLTS CONFORMING TO ASTM F1554 GRADE 55, MEETING SUPPLEMENTAL REQUIREMENT S1 (WELDABLE) U.N.O.

NO LOADS OR WELDS SHALL BE PLACED ON EMBEDDED PLATES OR ANGLES FOR MINIMUM OF 7 DAYS AFTER CASTING.

SLEEVES, OPENINGS, CONDUIT, AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER BEFORE PLACING CONCRETE. CONDUITS EMBEDDED IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD OF THE THICKNESS OF THE SLAB AND SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER.

VERIFY ALL BLOCK OUTS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING REQUIREMENTS.

POST-INSTALLED CONCRETE ANCHORS

POST-INSTALLED CONCRETE ANCHORS SHALL BE THE FOLLOWING PRODUCTS, U.N.O.:

TYPE	APPROVED ANCHORS
EXPANSION	HILTI KWIK BOLT T22 (ICC ESR-4266) HILTI KWIK BOLT 1 (APMO ER-678) SIMPSON STRONG-BOLT 2 (ICC ESR-3037) DEWALT POWER STUD SBR (ICC ESR-2602) HILTI HLEZ (ICC ESR-3027)
CONCRETE SCREW	SIMPSON TITEN HD (ICC ESR-2713) DEWALT SCREW BOLT (ICC ESR-8869)
ADHESIVE ANCHORS	HILTI HIT-RE 500 V3 (ICC ESR-3814) SIMPSON SET-XP (ICC ESR-2508) SIMPSON SET-3G (ICC ESR-4057) DEWALT PURET110+ (ICC ESR-3298)

ANCHORS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND PRODUCT EVALUATION REPORTS. EMBEDMENTS SPECIFIED ON DRAWINGS ARE "EFFECTIVE" EMBEDMENTS. REFERENCE MANUFACTURER LITERATURE FOR CORRESPONDING ACTUAL EMBEDMENT DEPTHS. DO NOT CUT REINFORCING IN NEW OR EXISTING CONCRETE DURING INSTALLATION.

REQUESTS FOR ANCHOR SUBSTITUTIONS SHALL BE SUBMITTED TO THE SEOR IN WRITING ALONG WITH EVIDENCE OF EQUAL OR GREATER CAPACITY TO THE SPECIFIED CONNECTION.

ALL-THREAD ROD FOR ADHESIVE ANCHORS SHALL CONFORM TO ASTM F1554 GRADE 55, U.N.O. ANCHORS EXPOSED TO EARTH OR WEATHER SHALL BE PROTECTED FROM CORROSION BY HOT-DIP GALVANIZING OR USE OF STAINLESS STEEL. PERMANENTLY EXPOSED EMBEDDED PLATES AND ANGLES SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION, U.N.O.

NO LOADS OR WELDS SHALL BE PLACED ON EMBEDDED PLATES OR ANGLES FOR A MINIMUM OF 7 DAYS AFTER CASTING. ADHESIVE ANCHORS SHALL NOT BE INSTALLED FOR A MINIMUM OF 21 DAYS AFTER CASTING CONCRETE IN ACCORDANCE WITH ACI 318-19 SECTION 17.2.2.

EXPANSION AND SCREW ANCHORS SHALL NOT BE REMOVED AND RESET. SCREW ANCHORS SHALL NOT BE INSTALLED IN HOLES PREVIOUSLY THREADED BY A PRIOR SCREW ANCHOR.

STRUCTURAL STEEL

STRUCTURAL STEEL SHALL BE OF THE MATERIAL AND TYPE LISTED BELOW, U.N.O.:

STRUCTURAL STEEL	
SHAPE	MATERIAL GRADE
PLATES WHERE NOTED	ASTM A572, GRADE 50
CHANNELS, PLATES AND ANGLES, U.N.O.	ASTM A36

DESIGN, DETAILING, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE AISC 360, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" WITH "COMMENTARY" AND THE "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", WITH THE FOLLOWING CLARIFICATIONS AND ADDITIONS:

- CLARIFY SECTIONS 7.5.1 AND 7.5.3 AS FOLLOWS:
EMBEDMENT LOCATION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR INFORMATION ONLY. THE SEOR IS NOT RESPONSIBLE FOR THE APPROVAL OF EMBEDMENT LOCATION DRAWINGS.
- ADD THE FOLLOWING PARAGRAPH TO SECTION 7.10.3:
"THE ERECTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR DETERMINING THE MEANS AND METHODS USED TO PROPERLY AND ADEQUATELY BRACE THE FRAMING DURING ERECTION."

BOLTS SHALL CONFORM TO THE ASTM AND RCSC SPECIFICATIONS FOR JOINTS USING HIGH STRENGTH BOLTS. BOLTS SHALL BE ASTM F3125 GRADE A325 AND GRADE A490 WHERE NOTED, AND SNUG-TIGHT UNLESS NOTED OTHERWISE.

WELDING SHALL CONFORM TO THE AWS CODES FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.1 AND APPROVED BY THE STRUCTURAL ENGINEER. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER-METAL MANUFACTURER.

WELDS SHALL BE MADE USING E70XX ELECTRODES AND SHALL BE 3/16" MINIMUM, UNLESS OTHERWISE NOTED. WELDING SHALL BE BY AWS CERTIFIED WELDERS.

PROVIDE WEEP HOLES AT EXTERIOR CLOSED SECTIONS WHERE MOISTURE MAY ACCUMULATE. LOCATE WEEP HOLES AT BOTTOM OF HORIZONTAL MEMBERS AT MIDSPAN UNLESS OTHER NOTED. LOCATE WEEP HOLES AT BOTTOM OF VERTICAL MEMBERS EXCEPT AT ROOF ASSEMBLIES. ALL WEEP HOLES TO BE APPROVED PRIOR TO FABRICATION.

NON-SHRINK GROUT USED UNDER BEARING AND BASE PLATES SHALL BE ASTM C 1107, FACTORY-PACKAGED, NONMETALLIC AGGREGATE GROUT, NONCORROSIVE, NONSTAINING, MIXED WITH WATER TO CONSISTENCY SUITABLE FOR APPLICATION AND A 30-MINUTE WORKING TIME. GROUT STRENGTH SHALL BE 8,000 PSI MINIMUM AT 28 DAYS.

DISSIMILAR METALS SHALL BE SEPARATED AS REQUIRED TO PREVENT GALVANIC CORROSION BY COMPLETELY COVERING CONTACT AREAS WITH HESKINS 3453 CORROSION PROTECTION TAPE OR APPROVED EQUAL MATERIAL.

SAWN LUMBER

SAWN LUMBER SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE CURRENTLY ACCEPTED NATIONAL DESIGN SPECIFICATION (NDS) DESIGN VALUES FOR WOOD CONSTRUCTION AND CONFORMING TO THE WEST COAST LUMBER INSPECTION BUREAU OR WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES. LUMBER SHALL BE THE SPECIES, GRADE, AND MOISTURE CONTENT NOTED BELOW, U.N.O.:

USE	SPECIES AND GRADE	MOISTURE CONTENT
LUMBER 2" TO 4" THICK x 5" OR WIDER (JOISTS/RAFTERS)	DOUGLAS FIR-LARCH NO. 2 & BTR	MC 15, KD
LUMBER 2" TO 3" THICK x 4" TO 6" WIDE (STUDS)	DOUGLAS FIR-LARCH STUD	S-DRY, MC 15, KD
LUMBER 5x5 AND GREATER (BEAMS)	DOUGLAS FIR-LARCH NO. 1	MC 15, KD, S-DRY
LUMBER 5x5 AND GREATER (POSTS)	DOUGLAS FIR-LARCH NO. 1	S-DRY
T&G DECKING	DOUGLAS FIR-LARCH COMMERCIAL DEX	S-DRY, MC 15, KD

ALL LUMBER IN CONTACT WITH CONCRETE OR CMU SHALL BE PRESERVATIVE TREATED, UNLESS AN APPROVED MOISTURE BARRIER IS PROVIDED.

CUTTING AND NOTCHING OF JOISTS AND STUDS SHALL CONFORM TO THE TYPICAL WOOD DETAILS PROVIDED OR OSSC SECTIONS 2308.4.2.4, 2308.5.9 AND 2308.7.4 WHERE NO DETAILS ARE SPECIFIED.

LUMBER FASTENERS AND ACCESSORIES

FRAMING ACCESSORIES INDICATED SHALL BE MANUFACTURED BY SIMPSON STRONG TIE (OR APPROVED EQUAL) AND OF THE SIZE AND TYPE SPECIFIED. ALL NAIL HOLES SHALL BE FILLED WITH STRUCTURAL FASTENERS, UNLESS NOTED OTHERWISE ON THE DRAWINGS AND FASTENERS SHALL BE INSTALLED FOLLOWING ALL MANUFACTURERS REQUIREMENTS. ACCESSORIES SHALL BE GALVANIZED UNLESS INDICATED OTHERWISE. PROVIDE G90 COATING EXCEPT WHERE IN CONTACT WITH PRESERVATIVE OR FIRE RETARDANT TREATED WOOD IN WHICH CASE G185 SHALL BE PROVIDED. SUBMIT SUBSTITUTION REQUESTS TO ARCHITECT FOR APPROVAL OUTLINING THE FRAMING ACCESSORIES BEING REPLACED AND THE SUBSTITUTED FRAMING ACCESSORIES. ALLOWABLE LOADS FOR THE SPECIFIED ACCESSORIES SHALL BE TABULATED ALONG WITH THE ALLOWABLE LOADS FOR THE SUBSTITUTED ACCESSORIES. SUBSTITUTION REQUESTS WILL ONLY BE APPROVED WHERE SUBSTITUTED PRODUCTS ARE CLEARLY DOCUMENTED TO HAVE EQUAL OR GREATER CAPACITY IN ALL DIRECTIONS.

ALL FRAMING NAILS SHALL BE THE SIZE AND QUANTITY INDICATED AND CONFORM TO ASTM F 1667, INCLUDING SUPPLEMENT 1, "STANDARD SPECIFICATION OF DRIVEN FASTENERS: NAILS, SPIKES, AND STAPLES" AND ICC-ES REPORT ESR-1539 "POWER-DRIVEN STAPLES AND NAILS". NAILS SHALL BE IDENTIFIED BY LABELS (ATTACHED TO THEIR CONTAINERS) THAT SHOW THE MANUFACTURER'S NAME AND ICC-ES REPORT NUMBER, NAIL SHANK DIAMETER AND LENGTH AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FRAMING. NAILING NOT SHOWN SHALL BE AS INDICATED IN OSSC TABLE 2304.10.2 OR ICC ESR-1539. THE FOLLOWING NAIL SIZES SHALL BE USED WITH THE NAIL LENGTH DETERMINED BY MINIMUM PENETRATION INTO FRAMING MEMBER:

FRAMING NAILS		
NAIL TYPE	SHANK DIAMETER (IN.)	MINIMUM PENETRATION INTO FRAMING MEMBER (IN.)
6d	0.113	1.125
8d	0.131	1.375
10d	0.148	1.5
12d	0.148	1.5
16d	0.148, 0.162	1.5, 1.625

BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1. ALL BOLTS AND LAG SCREWS SHALL BE INSTALLED WITH STANDARD CUT WASHERS.

WOOD STRUCTURAL PANELS

THE TERM "WOOD STRUCTURAL PANEL" REFERS TO A WOOD-BASED PANEL PRODUCT BONDED WITH A WATERPROOF ADHESIVE INCLUDING BOTH PLYWOOD AND ORIENTED STRAND BOARD (OSB). WOOD STRUCTURAL PANELS SHALL CONFORM TO U.S. DEPARTMENT OF COMMERCE VOLUNTARY PRODUCT STANDARDS PS1 OR PS2 FOR WOOD-BASED STRUCTURAL USE PANELS, OR APA PERFORMANCE STANDARD PRP-108 (ICC-ES ESR-2586). PANELS SHALL BE APA RATED SHEATHING OR APA RATED STURD-FLOOR, EXTERIOR OR EXPOSURE 1, OF THE THICKNESS AND SPAN RATING SHOWN ON THE DRAWINGS. PANELS SHALL BE STAMPED WITH THE APA TRADEMARK.

WOOD STRUCTURAL PANEL INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW 1/8" SPACING AT PANEL ENDS AND EDGES, UNLESS OTHERWISE INDICATED OR RECOMMENDED BY THE PANEL MANUFACTURER.

ALL ROOF SHEATHING AND FLOOR SHEATHING SHALL BE INSTALLED WITH FACE GRAIN OR STRENGTH AXIS PERPENDICULAR TO SUPPORTS, EXCEPT AS INDICATED ON THE DRAWINGS. ROOF SHEATHING SHALL EITHER BE BLOCKED, TONGUE-AND-GROOVE, OR HAVE EDGES SUPPORTED BY PLYCLIPS. WHERE BLOCKING IS SPECIFICALLY INDICATED ON THE DRAWINGS, T&G EDGES OR PLYCLIPS MAY NOT BE SUBSTITUTED. SHEATHING SHALL BE UNBLOCKED, EXCEPT AS INDICATED ON DRAWINGS. FLOOR SHEATHING SHALL BE FIELD GLUED TO THE FRAMING USING ADHESIVES MEETING APA SPECIFICATION AFG-01 OR ASTM D3498. TONGUE AND GROOVE PANELS SHALL ALSO BE GLUED AT THE T&G JOINT.

SHEAR WALL SHEATHING SHALL BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY AND BE BLOCKED WITH 2x FRAMING AT ALL PANEL EDGES. NAILING NOT SHOWN SHALL BE AS INDICATED IN OSSC TABLE 2304.10.2.

WOOD STRUCTURAL PANEL SHEAR WALLS

SHEAR WALL WOOD STRUCTURAL PANELS SHALL BE PLYWOOD OR OSB PANELS CONFORMING TO THE REQUIREMENTS FOR ITS TYPE SPECIFIED IN U.S. DOC PS1 OR PS2. SHEATHING SHALL BE APPLIED EITHER HORIZONTALLY OR VERTICALLY. SHEET SIZES SHALL BE 4x8 UNLESS AT BOUNDARIES OR FRAMING CHANGES.

NAIL HEADS SHALL BE DRIVEN FLUSH WITH SHEATHING. DO NOT PENETRATE SURFACE PLY WITH NAIL HEADS. IF NAIL HEADS ARE NOT FLUSH NOTIFY SEOR. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS NECESSARY DUE TO OVER-PENETRATION OF NAILS.

ALL SHEAR WALL PANEL SHEATHING EDGES SHALL BE BLOCKED. EDGE NAILS SHALL BE AT LEAST 3/8" FROM EDGES AND ENDS OF PANELS. STAGGER NAILING ON EDGES.

2x TONGUE-AND-GROOVE DECKING

TONGUE-AND-GROOVE DECK SHALL BE RANDOM LENGTH, LAID WITH WELL SCATTERED JOINTS. THE DISTANCE BETWEEN END JOINTS IN ADJACENT COURSES SHALL BE AT LEAST 2 FEET. JOINTS WITHIN 6 INCHES OF BEING IN LINE SHALL BE SEPARATED BY AT LEAST TWO INTERVENING COURSES. WHEN AN END JOINT OCCURS IN THE END BAY, THE NEXT PIECE IN THE SAME COURSE SHALL CONTINUE OVER THE FIRST INNER SUPPORT FOR AT LEAST 2 FEET. EACH BOARD SHALL BEAR ON AT LEAST ONE SUPPORT.

DECKING SHALL BE INSTALLED WITH TONGUES UP ON SLOPED OR PITCHED ROOFS AND WITH PATTERN FACES DOWN. EACH PIECE SHALL BE TOENAILED THROUGH THE TONGUE AT EACH SUPPORT WITH ONE 16d COMMON NAIL AND FACE NAILED AT EACH SUPPORT WITH ONE 16d COMMON NAIL. COURSES SHALL BE TOENAILED TO EACH OTHER WITH 8d COMMON NAILS AT INTERVALS NOT EXCEEDING 30 INCHES AND WITH ONE NAIL AT A DISTANCE NOT EXCEEDING 12 INCHES FROM EACH END OF EACH PIECE.

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PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO.: 22-01

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN LEVEL.

REVISIONS:
DATE DESCRIPTION

DATE: SEPT. 29, 2023

SHEET TITLE:

GENERAL
STRUCTURAL
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ENGINEERED WOOD I-JOISTS

DESIGN OF THE WOOD I-JOIST SYSTEM SHALL BE THE CONTRACTOR'S RESPONSIBILITY. WOOD I-JOISTS SHALL BE OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS, MANUFACTURED BY TRUS-JOIST OR AN APPROVED EQUAL, CONFORMING TO APA EWS STANDARD PRI-400, "PERFORMANCE STANDARD FOR APA EWS I-JOISTS" OR A CURRENT ICC-ES REPORT. ALTERNATES WILL BE CONSIDERED, PROVIDED THE ALTERNATE IS COMPATIBLE WITH THE LOAD CAPACITY, STIFFNESS, DIMENSIONAL, DIAPHRAGM NAILING, AND FIRE RATING REQUIREMENTS OF THE PROJECT.

CONTRACTOR SHALL PROVIDE BRIDGING IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ROOF JOISTS AND BRIDGING SHALL BE CAPABLE OF RESISTING THE WIND UPLIFT BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

THE JOIST SUPPLIER SHALL VISIT THE JOB SITE AS REQUIRED TO VERIFY PROPER INSTALLATION OF JOISTS AND PROVIDE WRITTEN VERIFICATION TO THE ARCHITECT UPON COMPLETION.

IN ADDITION TO SELF WEIGHT, JOISTS SHALL BE DESIGNED FOR THE MINIMUM LOADS SPECIFIED BELOW AND ANY ADDITIONAL LOADS AS NOTED ON THE PLANS INCLUDING SNOW DRIFT, WIND, SEISMIC, MECHANICAL EQUIPMENT, ADDITIONAL LIVE OR DEAD LOADS.

ENGINEERED WOOD I-JOIST LOADING CRITERIA	
LOCATION	LOAD
ROOF DEAD LOAD	15 PSF
ROOF LIVE LOAD	25 PSF
ROOF WIND UPLIFT (ULT.)	20 PSF (NOT LESS THAN 16 PSF NET UPLIFT)

DESIGN SHALL CONFORM TO THE FOLLOWING MINIMUM DEFLECTION CRITERIA: L/480 (FLOOR LIVE LOAD), L/360 (FLOOR DEAD LOAD PLUS LIVE LOAD AND ROOF LIVE LOAD), AND L/240 (ROOF DEAD LOAD PLUS LIVE LOAD.)

METAL PLATE CONNECTED WOOD TRUSS SYSTEMS

DESIGN OF METAL PLATE CONNECTED WOOD TRUSSES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE TRUSS DESIGN SHALL CONFORM TO THE DIMENSIONS AND LOADING REQUIREMENTS SHOWN IN THE ARCHITECTURAL AND STRUCTURAL PLANS. THE TRUSS DESIGN SHALL ALSO CONFORM TO THE REQUIREMENTS OF THE OSSC SECTION 2303.4 AND THE REQUIREMENTS GIVEN IN ANSI/TPI 1 "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION".

THE TRUSS MANUFACTURER SHALL PROVIDE SHOP DRAWINGS INDICATING LAYOUT OF ALL TRUSSES AND ANY DETAILING NECESSARY FOR DETERMINING FIT AND PLACEMENT IN THE STRUCTURE. THE SHOP DRAWINGS SHALL INDICATE THE FOLLOWING:

- SLOPE, DEPTH, SPAN, AND SPACING
- LOCATION OF ALL JOINTS AND SUPPORT LOCATIONS
- NUMBER OF PLIES IF GREATER THAN ONE
- REQUIRED BEARING WIDTHS AT SUPPORT MEMBERS
- DESIGN LOADS AND THEIR LOCATIONS
- MAXIMUM REACTION FORCE AND DIRECTION
- METAL PLATE CONNECTOR TYPE, SIZE, THICKNESS OR GAGE, AND THE DIMENSIONED LOCATION OF EACH
- SIZE SPECIES AND GRADE OF EACH WOOD MEMBER
- ALL TRUSS TO TRUSS CONNECTIONS AND FIELD ASSEMBLY REQUIREMENTS
- CALCULATED DEFLECTION RATIO
- MAXIMUM AXIAL TENSION AND COMPRESSION FORCES IN THE TRUSS MEMBERS
- REQUIRED PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT LOCATIONS AND THE METHOD AND DETAILS OF RESTRAINT/BRACING TO BE USED

MANUFACTURER SHALL DESIGN AND FURNISH ALL WOOD TRUSS COMPONENT TO COMPONENT CONNECTIONS NECESSARY TO TRANSMIT DESIGN LOADS, INCLUDING SEISMIC AND WIND LOADS, TO THE BEARING AND SHEAR WALL SUPPORTS. MANUFACTURER SHALL PROVIDE BRIDGING AS REQUIRED.

THE TRUSS SUPPLIER SHALL VISIT THE JOB SITE AS REQUIRED TO VERIFY PROPER INSTALLATION OF TRUSSES AND PROVIDE WRITTEN VERIFICATION TO THE ARCHITECT UPON COMPLETION.

TEMPORARY BRACING OF THE TRUSS SYSTEM DURING INSTALLATION AND CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

TRUSSES SHALL BE DESIGNED FOR THE LOADS SPECIFIED BELOW AND ANY ADDITIONAL LOADS AS NOTED ON THE PLANS INCLUDING SNOW DRIFT, WIND, SEISMIC, MECHANICAL EQUIPMENT, AND ADDITIONAL LIVE OR DEAD LOADS.

METAL PLATE CONNECTED WOOD TRUSS LOADING CRITERIA		
LOCATION	TOP CHORD LOAD	BOTTOM CHORD LOAD
ROOF DEAD LOAD	15 PSF	10 PSF
ROOF SNOW LOAD	25 PSF	N/A
ROOF LIVE LOAD	25 PSF	10 PSF
ROOF WIND UPLIFT (ULT.)	20 PSF	N/A

ROOF WIND NET UPLIFT PRESSURE RESULTING FROM LOAD COMBINATIONS NOT TO BE LESS THAN 16 PSF.

ROOF TRUSS BOTTOM CHORD LIVE LOAD NEED NOT BE CONSIDERED CONCURRENT WITH SNOW LOADING.

DESIGN SHALL CONFORM TO THE FOLLOWING MINIMUM DEFLECTION CRITERIA: L/480 (FLOOR LIVE LOAD), L/360 (FLOOR TOTAL LOAD), L/240 (ROOF LIVE LOAD), AND L/180 (ROOF TOTAL LOAD.)

STRUCTURAL COMPOSITE LUMBER (SCL)

STRUCTURAL COMPOSITE LUMBER PRODUCTS SUCH AS LAMINATED VENEER LUMBER (LVL), PARALLEL STRAND LUMBER (PSL), AND LAMINATED STRAND LUMBER (LSL) SHALL BE OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS. ALL STRUCTURAL COMPOSITE LUMBER PRODUCTS NOTED HERE SHALL HAVE A CURRENT ICC-ES REPORT.

MEMBERS SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES:

SCL MINIMUM PROPERTIES		
LUMBER TYPE	FLEXURAL STRESS, Fb (PSI)	MODULUS OF ELASTICITY (PSI)
PSL	2,900	2,200,000
LVL	2,600	2,000,000
LSL HEADERS	2,325	1,550,000
LSL STUDS	1,700	1,300,000
LSL RIM BOARD	1,700	1,300,000
LSL SILL PLATE (TREATED)	1,900	1,300,000

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

GLUED-LAMINATED MEMBERS

GLUED-LAMINATED (GLULAM) MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH CURRENT ANSI STANDARD A190.1, AMERICAN NATIONAL STANDARD FOR STRUCTURAL GLUED LAMINATED TIMBER OR OTHER CODE- APPROVED DESIGN, MANUFACTURING AND/OR QUALITY ASSURANCE PROCEDURES. EACH MEMBER SHALL BEAR AN AITC OR APA-EWS IDENTIFICATION MARK OR BE ACCOMPANIED BY A CERTIFICATE OF CONFORMANCE. APA-EWS MARKS TO BE PLACED ON SURFACES NOT EXPOSED IN COMPLETED CONSTRUCTION. ONE COAT OF END SEALER SHALL BE APPLIED IMMEDIATELY AFTER TRIMMING IN EITHER THE SHOP OR IN THE FIELD.

GLULAM MEMBERS SHALL BE ARCHITECTURAL (AT EXPOSED CONDITIONS) AND INDUSTRIAL (AT HIDDEN CONDITIONS) APPEARANCE CLASSIFICATION, REFERENCE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

GLULAM MEMBERS SHALL BE OF MINIMUM ALLOWABLE DESIGN PROPERTIES AS ESTABLISHED BY ASTM D3737:

GLUED-LAMINATED BEAMS				
COMBINATION SYMBOL (SPECIES)	FLEXURAL STRESS, Fb (PSI)	HORIZONTAL SHEAR STRESS Fv (PSI)	COMPRESSION STRESS PERP TO GRAIN Fc,perp (PSI)	MODULUS OF ELASTICITY (PSI)
24F-V4 (DF/DF) (SIMPLE SPAN)	+2,400 / -1,850	265	650	1,800,000
24F-V8 (DF/DF) (CONTINUOUS OR CANTILEVER)	2,400	265	650	1,800,000

REFERENCE SPECIFICATIONS FOR FABRICATION AND MILLING TOLERANCES FOR TIMBER SIZES, HOLES, AND CONNECTIONS. CONNECTIONS SHALL BE SHOP FABRICATED TO GREATEST EXTENT INCLUDING CUTTING TO LENGTH AND DRILLING HOLES.

NOTCHES, DAPS, HOLES, ETC. SHALL BE REPRESENTED ON SHOP DRAWINGS FOR REVIEW BY SEOR. FIELD NOTCHING AND BORING OF GLULAM MEMBERS IS NOT ALLOWED UNLESS APPROVED BY SEOR.

GLULAM PRODUCTS SHALL CONTAIN AVERAGE MOISTURE CONTENT OF 16% OR LESS AT TIME OF MANUFACTURE. REFERENCE SPECIFICATIONS FOR ALLOWED DIMENSIONAL TOLERANCES AT TIME OF MANUFACTURE.

SIMPLE SPAN GLULAM MEMBERS SHALL BE SUPPLIED TO THE PROJECT WITH STANDARD MILL CAMBER BETWEEN 3,500 AND 5,000 FOOT WITH TOLERANCES AS ALLOWED BY ANSI A190. MULTI-SPAN AND CANTILEVER BEAMS SHALL HAVE NO MILL CAMBER UNLESS NOTED OTHERWISE. CAMBER INDICATED ON THE DRAWINGS IS TOTAL CAMBER AND IS NOT IN ADDITION TO STANDARD MILL CAMBER.

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HIGH DOCK BUILDING
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STATEMENT OF SPECIAL INSPECTION NOTES:

- SPECIAL INSPECTIONS SHALL CONFORM TO SECTION 1705 OF THE 2019 OSSC, CONTRACT DOCUMENTS AND APPROVED SUBMITTALS. REFER TO SPECIAL INSPECTION AND TESTING TABLES FOR PROJECT REQUIREMENTS.
- SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED ACCREDITED INDEPENDENT AGENCY MEETING THE REQUIREMENTS OF ASTM E329 (MATERIALS). THE INSPECTION AND TESTING AGENCY SHALL FURNISH TO THE STRUCTURAL ENGINEER A COPY OF THEIR SCOPE OF ACCREDITATION. SPECIAL INSPECTORS SHALL BE APPROVED BY THE BUILDING OFFICIAL. WELDING INSPECTORS SHALL BE QUALIFIED PER SECTION 6.1.4.1(1) OF AWS D1.1.
- THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS.
- THE SPECIAL INSPECTOR AND GEOTECHNICAL ENGINEER SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER, ARCHITECT, CONTRACTOR, AND OWNER. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.
- QUALITY ASSURANCE (QA) IS REQUIRED FOR STRUCTURAL STEEL ITEMS PER AISC 360 AND 341 UNLESS SPECIFICALLY NOTED OTHERWISE. QUALITY CONTROL (QC) TO BE PROVIDED BY THE FABRICATOR, ERECTOR OR OTHER RESPONSIBLE CONTRACTOR AS APPLICABLE. CONTRACTOR AND SPECIAL INSPECTOR TO DOCUMENT QUALITY CONTROL AS REQUIRED IN AISC 360 SECTION N3 AND AISC 341 SECTION J2.
- INSPECTION TYPES:**
CONTINUOUS : THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
PERIODIC : THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
OBSERVE : OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY BASIS. OPERATIONS NEED NOT BE DELAYED PENDING OBSERVATIONS.
PERFORM : INSPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM.
- PERFORM INSPECTION PRIOR TO FINAL ACCEPTANCE OF THE ITEM FOR TEN WELDS TO BE MADE BY A GIVEN WELDER, WITH THE WELDER DEMONSTRATING UNDERSTANDING OF REQUIREMENTS AND POSSESSION OF SKILLS AND TOOLS TO VERIFY THESE ITEMS, THE PERFORM DESIGNATION OF THIS TASK SHALL BE REDUCED TO OBSERVE, AND THE WELDER SHALL PERFORM THIS TASK. SHOULD THE INSPECTOR DETERMINE THAT THE WELDER HAS DISCONTINUED PERFORMANCE OF THIS TASK, THE TASK SHALL BE RETURNED TO PERFORM UNTIL SUCH TIME AS THE INSPECTOR HAS RE-ESTABLISHED ADEQUATE ASSURANCE THAT THE WELDER WILL PERFORM THE INSPECTION TASKS LISTED.
- SPECIAL INSPECTION OF MECHANICAL POST INSTALLED ANCHORS SHALL BE IN STRICT CONFORMANCE WITH THE ICC REPORT AND MANUFACTURER'S INSTALLATION REQUIREMENTS. ANCHOR INSTALLERS SHALL BE QUALIFIED AS REQUIRED BY JURISDICTION REQUIREMENTS.
 - INSPECTION REPORTS SHALL IDENTIFY NAMES OF INSTALLERS.
 - SPECIAL INSPECTOR SHALL PROVIDE DOCUMENTATION AT THE END OF ANCHOR INSTALLATIONS STATING THAT THE ANCHORS WERE INSPECTED PER APPROVED ANCHOR EVALUATION REPORT.
- TESTING ABBREVIATIONS:**
NDT - NON-DESTRUCTIVE TESTING
C.J.P. - COMPLETE JOINT PENETRATION
MT - MAGNETIC PARTICLE TESTING
RBS - REDUCED BEAM SECTION
- DOCUMENT (D): INDICATES CONTRACTOR AND SPECIAL INSPECTOR TO PROVIDE DOCUMENTATION IN ACCORDANCE WITH AISC 341.

CONTRACTOR RESPONSIBILITY:

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN WIND-OR SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND-OR SEISMIC-RESISTING COMPONENT LISTED THE TABLES SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:

ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.

- ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
- PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF THE REPORTS.
- IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

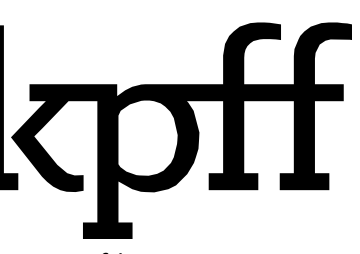
GENERAL - SPECIAL INSPECTIONS					
SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		REMARKS
			CONTINUOUS	PERIODIC	
FABRICATORS	1705.10 1704.2.5				SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS SHALL BE PERFORMED DURING FABRICATION. PERFORMING SPECIAL INSPECTIONS IS NOT REQUIRED, WHERE FABRICATOR HAS BEEN APPROVED AS AN APPROVED FABRICATOR, PER SECTION 1704.2.5.1.
DEFERRED SUBMITTALS				X	SPECIAL INSPECTION REQUIREMENTS FOR DEFERRED SUBMITTAL ITEMS, INCLUDING REQUIREMENTS FOR DESIGNATED SEISMIC SYSTEMS IN ACCORDANCE WITH OSSC SECTION 1705.12.4 IF APPLICABLE, TO BE SPECIFIED BY THE SYSTEM ENGINEER AND INCLUDED WITH DEFERRED SUBMITTAL DOCUMENTS.
SUBMITTALS TO THE BUILDING OFFICIAL	1704.5			X	CERTIFICATES OF COMPLIANCE, REPORTS OF PRE-CONSTRUCTION TESTS, OR REPORTS OF MATERIAL PROPERTIES SHALL BE SUBMITTED TO THE BUILDING OFFICIAL.
POST INSTALLED MECHANICAL ANCHORS AND ADHESIVE ANCHORS IN HARDENED CONCRETE				X	

CONCRETE - SPECIAL INSPECTIONS					
SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		REMARKS
			CONTINUOUS	PERIODIC	
GENERAL	1705.3 1901.6	ACI 318: 26.13			SPECIAL INSPECTIONS OF CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1705.3 OF THE IBC AND SECTION 26.13 OF ACI 318.
REINFORCING STEEL PLACEMENT	1901.5.2	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3, 26.13.3.3		X	REINFORCING TO COMPLY WITH ALL CODE PROTECTION, SPACING AND TOLERANCE LIMITS.
WELDING REINFORCING STEEL					
1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	1705.3.1 1705.3.2	AWS D1.4 ACI 318: 26.6.4		X	
2. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" FILLET	1903.1 1903.2			X	
3. ALL OTHER REINFORCING STEEL WELDING,			X		
INSPECT ANCHORS/BOLTS CAST IN CONCRETE	-	ACI 318: 17.8.2		X	ALL CAST-IN-PLACE ANCHORS/BOLTS SHALL BE VISUALLY INSPECTED. REFERENCE STEEL INSPECTIONS FOR ADDITIONAL INSTALLATION, MATERIAL AND WELDING INSPECTIONS OF STEEL ITEMS EMBEDDED IN CONCRETE (HEADED STUDS, DBA's, ETC.)
VERIFYING USE OF REQUIRED MIX DESIGN(S)	1904.1 1904.2	ACI 318: CH. 19, 26.4.3, 26.4.4		X	
CONCRETE SPECIMENS FOR TESTING		ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	X		PRIOR TO CONCRETE PLACEMENT, FABRICATE CONCRETE SPECIMENS FOR TESTING. SEE THE CONCRETE TESTING TABLE FOR ADDITIONAL INFORMATION.
CONCRETE PLACEMENT		ACI 318: 26.5, 26.13.3.2(a)	X		
CONCRETE CURING		ACI 318: 26.5.3 - 26.5.5, 26.13.3.3		X	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES
VERIFICATION OF FORMWORK		ACI 318: 26.11.1.2(b), 26.13.3.3		X	SPECIAL INSPECTIONS APPLY TO SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED
REINFORCING STEEL MECHANICAL COUPLERS, TERMINATORS AND FORMSAVERS		ICC EVALUATION REPORTS		X	

CONCRETE - TESTING				
SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)	REMARKS
CONCRETE STRENGTH	1705.3	ASTM C39	EACH 150 CY NOR LESS THAN EACH 5000 SF OF SLAB OR WALL PLACED EACH SHIFT	FABRICATE SPECIMENS AT TIME FRESH CONCRETE IS PLACED
CONCRETE SLUMP	ASTM C172	ASTM C143		
CONCRETE AIR CONTENT	ASTM C 31	ASTM C231		
CONCRETE TEMPERATURE	ACI 318 26.12 ACI 318 26.5	ASTM C1064		



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DESIGN LEVEL.

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SPECIAL INSPECTIONS

S0.5

STEEL - SPECIAL INSPECTIONS					
SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	INSPECTION (NOTES 5 AND 6)		REMARKS
			CONTINUOUS/PERFORM	PERIODIC/OBSERVE	
STEEL FABRICATION					
FABRICATION OF STRUCTURAL ELEMENTS	1704.2.5.1	AISC 360		X	REFER TO INSPECTION OF FABRICATOR REQUIREMENTS
MATERIAL VERIFICATION OF STRUCTURAL STEEL COMPONENTS	1505.2.1 2203.1 TABLE 1705.2	ASTM A6 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS AISC 360 A3.1 AISC 360 N3.2		X	CERTIFIED MILL TEST REPORTS
MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS, AND WASHERS	1705.2.1.2 AISC 360 N5 TABLE 1705.2-2	AISC 360 A3.3 AISC 360 N3.2 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS RCSC 2.1		X	MANUFACTURER'S CERTIFIED TEST REPORTS
MATERIAL VERIFICATION OF ANCHOR BOLTS AND THREADED RODS		AISC 360 A3.4 AISC 360 N3.2 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS		X	MANUFACTURER'S CERTIFIED TEST REPORTS
MATERIAL VERIFICATION OF WELD FILLER METALS	1705.2.1.1 TABLE 1705.2-5	AISC 360 A3.5 AISC 360 N3.2 APPLICABLE AWS A5 DOCUMENTS		X	MANUFACTURER'S CERTIFIED TEST REPORTS
STRUCTURAL STEEL WELDING					
VERIFYING USE OF PROPER WPS'S	1705.2.1 AWS D1.1	AISC 360 N3.2			RETAIN A RECORD OF WELDING PROCEDURE SPECIFICATIONS
VERIFYING WELDER QUALIFICATIONS		AWS D1.1		X	RETAIN A RECORD OF QUALIFICATION CARDS
COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS	TABLE 1705.2-6	AWS D1.1 CLAUSE 6	X		ALL WELDS VISUALLY INSPECTED PER AWS D1.16.9
MULTIPASS FILLET WELDS			X		
SINGLE PASS FILLET WELDS GREATER THAN 5/16"			X		
PLUG AND SLOT WELDS			X		
SINGLE PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16"				X	
WELDING STAIR AND RAILING SYSTEMS	1705.2(2.5)	AWS D1.1 CLAUSE 6		X	ALL WELDS VISUALLY INSPECTED PER AWS D1.1 6.9
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS				X	
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH, IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE)				X	
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL				X	
CONNECTING ELEMENTS< INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS				X	
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED				X	
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS				X	
INSPECTION TASKS AFTER BOLTING					
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	1705.2.1.2 TABLE 1705.2-2	AISC 360 TABLE N5.6-3	X		

WOOD - SPECIAL INSPECTIONS					
SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		REMARKS
			CONTINUOUS	PERIODIC	
WOOD - REQUIRED STRUCTURAL SPECIAL INSPECTIONS					
FABRICATION OF PREFABRICATED STRUCTURAL ELEMENTS	1705.5			X	REFER TO INSPECTION OF FABRICATOR REQUIREMENTS
PREFABRICATED WOOD SHEAR PANELS	1705.5 1704.2.5	ICC EVALUATION REPORT		X	SPECIAL INSPECTIONS APPLY TO HOLDOWN ANCHOR SIZE AND PLACEMENT, INCLUDING EMBEDMENT LENGTH, SPACING, AND EDGE DISTANCE
WOOD - REQUIRED SEISMIC RESISTANCE INSPECTIONS					
CONNECTIONS FOR DIAPHRAGM CHORDS, COLLECTORS, BRACING, AND SHEAR WALL ANCHORAGE AND HOLDOWNS	1705.12.2			X	ALL FASTENERS/CONNECTIONS VISUALLY INSPECTED
FASTENING OF DIAPHRAGM AND SHEAR WALL SHEATHING WITH EDGE NAILING < 4"	1705.12.2			X	FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS. THIS INCLUDES NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER COMPONENTS IN THE SEISMIC FORCE RESISTING SYSTEM

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PROJECT NO.: 22.01

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN LEVEL.

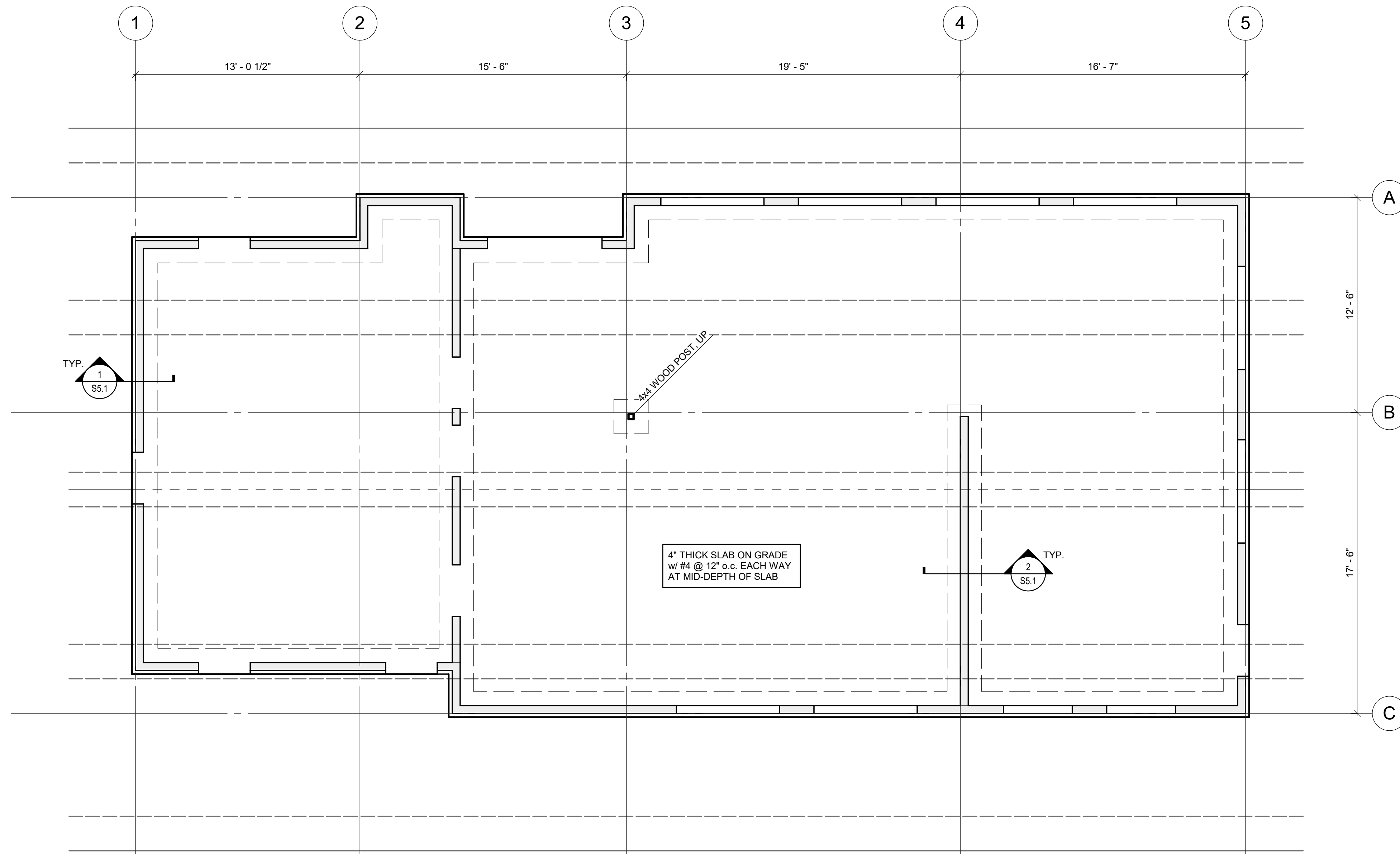
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DATE DESCRIPTION

DATE: SEPT. 29, 2023

SHEET TITLE:
SPECIAL INSPECTIONS

S0.6

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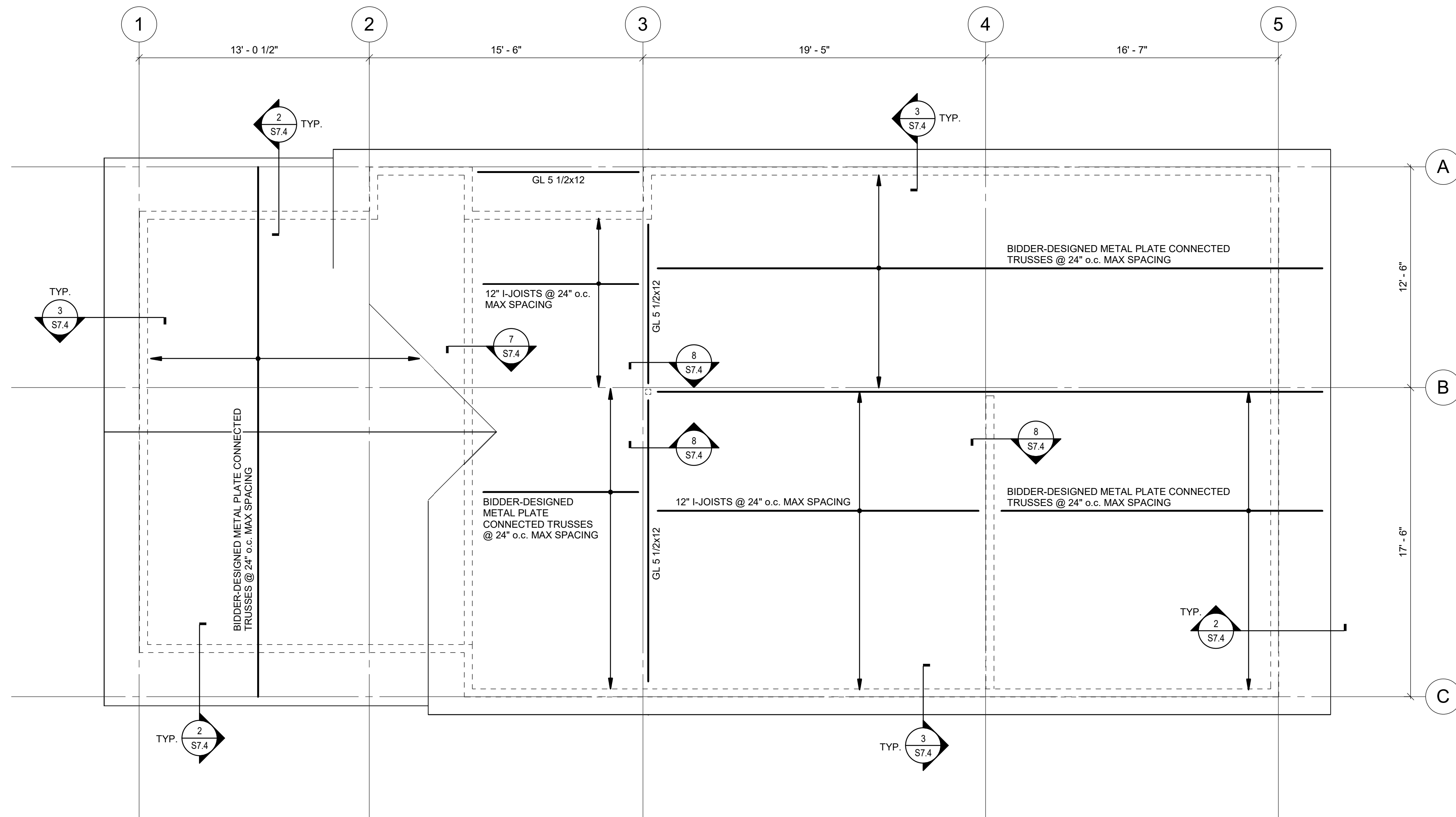
1 FOUNDATION PLAN
1/4" = 1'-0"

FOUNDATION PLAN NOTES:

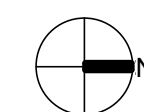
1. EL. XXX'-XX" INDICATES TOP OF STRUCTURAL SLAB ELEVATION. REF. ARCHITECTURAL SLAB DIMENSION PLANS FOR TOP OF OVERFRAMING SLABS.
2. INDICATES STEP IN ELEVATION. REF. 3/S5.1.
3. INDICATES EXISTING STRUCTURE.
4. FIELD VERIFY EXISTING DIMENSIONS AND ELEVATIONS.
5. REF. SHEET S5.1 FOR TYPICAL CONCRETE DETAILS.

FRAMING PLAN NOTES:

1. INDICATES LOCATION AND TYPE OF SHEAR WALL (#) PER SHEAR WALL SCHEDULE SHOWN ON **W300.01** AND INDICATES HOLDDOWN TYPE (X) PER HOLDDOWN SCHEDULE SHOWN ON **W310.04**.
2. INDICATES A STUD LOAD BEARING WALL. ATTACH GYPSUM WALL BOARD TO STUDS WITH 6d x 1 3/4" WALLBOARD NAILS @ 7" o.c. REF. **W010.07** FOR TYPICAL WALL FRAMING AND ARCHITECTURAL DETAILS AND PLANS FOR ANY INFORMATION NOT GIVEN.
3. REF. **W010.09** OR **W300.06** FOR TYPICAL TOP CHORD SPLICE.
4. COORDINATE LOCATIONS OF FLOOR DEPRESSIONS, OPENINGS, DRAINS OR STEPS WITH ARCHITECT TYPICAL.
5. PROVIDE DIAPHRAGM EDGE NAILING TO ALL JOIST, PLATES, OR BLOCKING IN LINE OR CONNECTED TO SHEAR WALLS.
6. REF. **W010.02** FOR TYPICAL OPENIN CONSTRUCTION AND THE SIZES OF ALL HEADERS NOT IDENTIFIED ON THE PLANS. ALL HEADERS SHALL BEAR ON A MINIMUM OF ONE 2x TRIMMER STUD U.N.O. REF. ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND LOCATIONS TYPICAL.
7. INDICATES SIMPSON STRAP. REF. PLAN FOR TYPE AND LENGTH (WHERE APPLICABLE).
8. COORDINATE MECHANICAL PENETRATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
9. REF. SHEET(S) **W010** AND **W011** FOR NOTCH AND HOLES ALLOWANCES AT STUDS, JOISTS, AND WALL PLATES. REF. JOIST MANUF. LITERATURE AND ICC REPORT FOR HOLE ALLOWANCES. NO DEVIATION FROM THESE REQUIREMENTS WILL BE ACCEPTED.
10. REF. DETAILS **W010.11** FOR NON-BEARING PARTITION WALL DETAILS AT FLOOR AND ROOF.
11. INDICATES LOCATION OF HOLDDOWN TYPE X AT THE ENDS OF SHEAR WALLS AS SHOWN IN ELEVATION **W310.03**. REF. **W310.04** FOR SCHEDULE AND **W310.05-10** FOR DETAILS.
12. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN ON FRAMING PLANS.



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



ROOF FRAMING PLAN NOTES:

1. INDICATES ROOF RIDGE LINE.
2. INDICATES ROOF VALLEY LINE.
3. REF. **W010.09** OR **W300.06** FOR TYPICAL TOP CHORD SPLICE.
4. INDICATES SPAN DIRECTION OF SHEATHING. REF. **W010.01** FOR SCHEDULE.
5. TOP OF SHEATHING EL. XX'-XX" INDICATES TOP OF SHEATHING ELEVATION.
6. INDICATES EXTENT OF TRUSS OVER-FRAMING TO BE PROVIDED BY TRUSS SUPPLIER.
7. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT NOTED.
8. PROVIDE DIAPHRAGM EDGE NAILING TO ALL JOISTS, PLATES, OR BLOCKING IN LINE OR CONNECTED TO SHEAR WALLS.
9. INDICATES SIMPSON STRAP. REF. PLAN FOR TYPE AND LENGTH (WHERE APPLICABLE).
10. INDICATES BEARING OR SHEAR WALL BELOW.
11. COORDINATE MECHANICAL PENETRATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

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PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

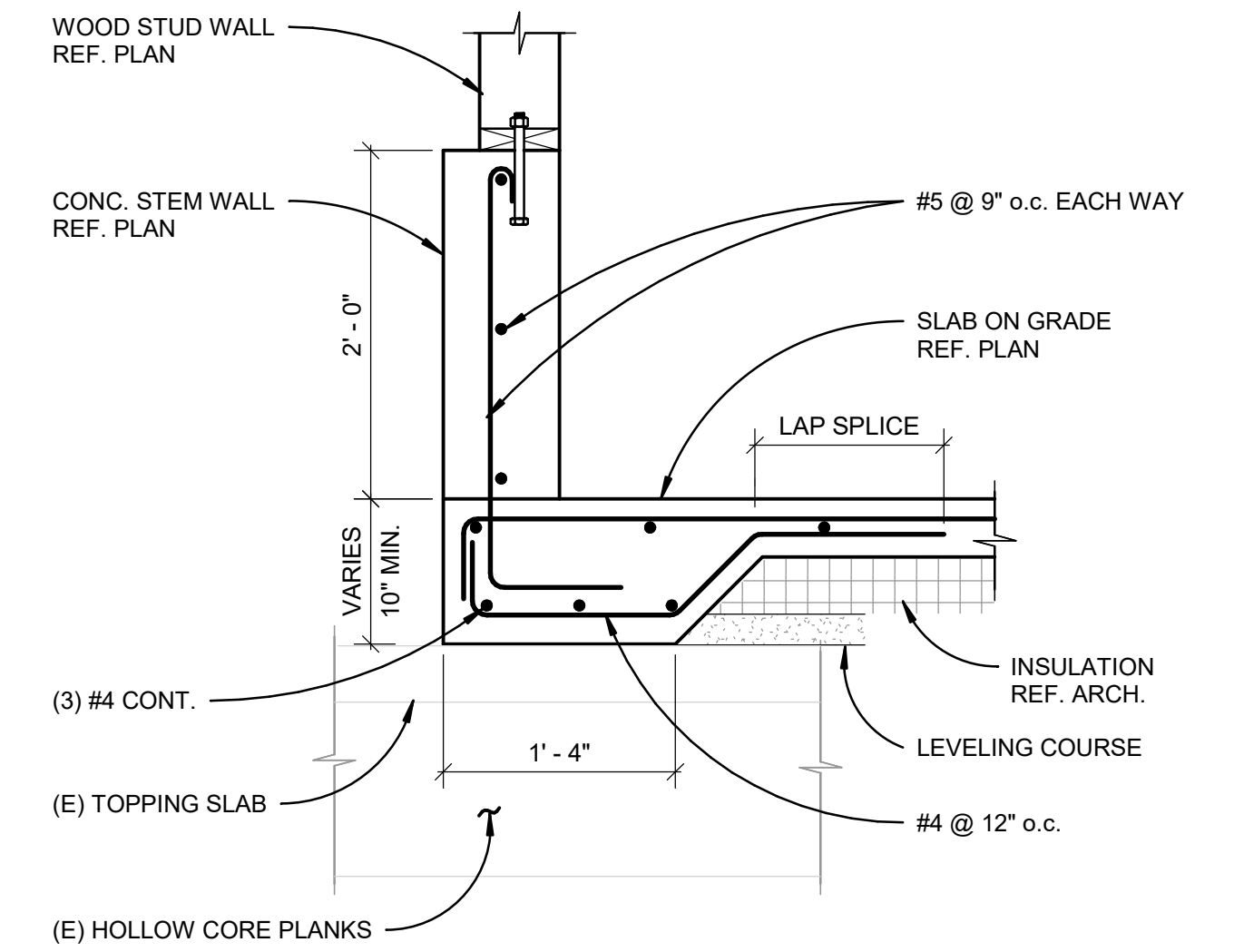
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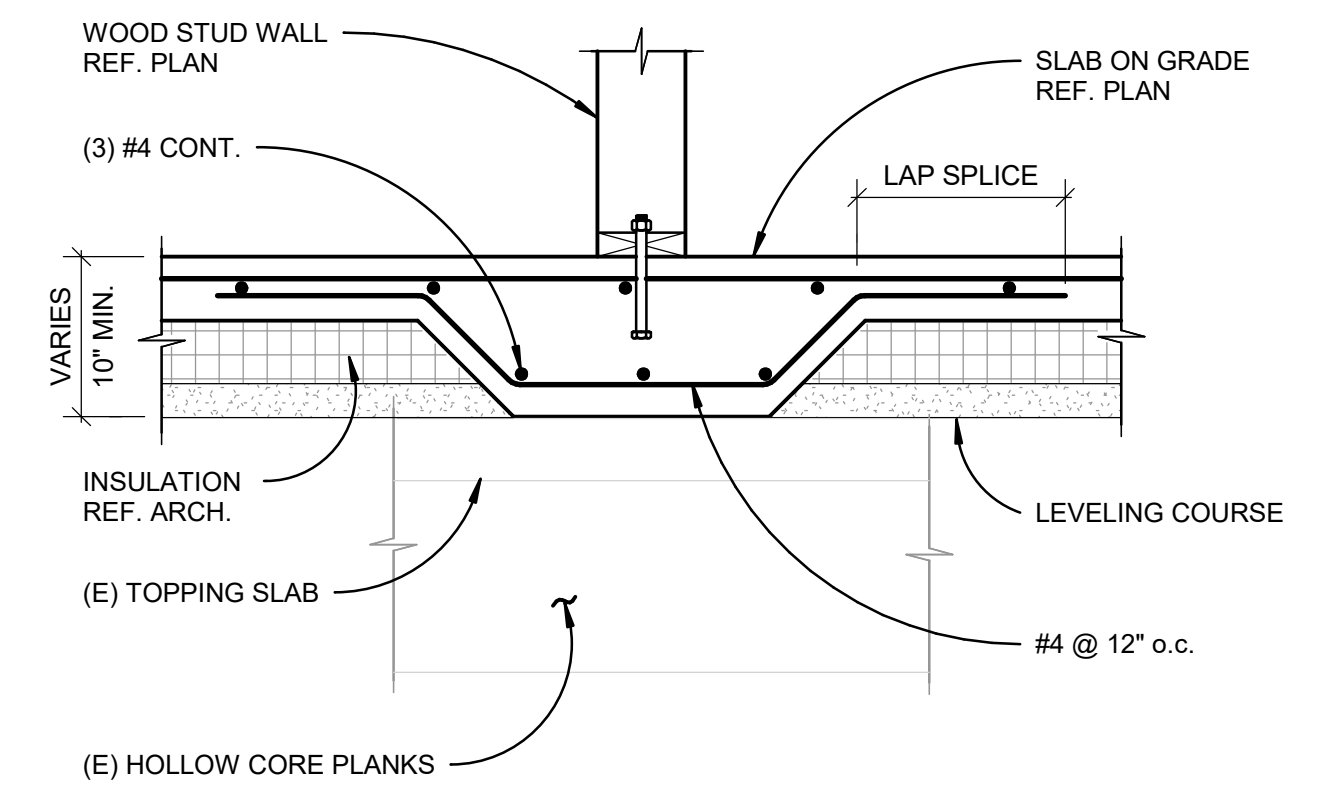
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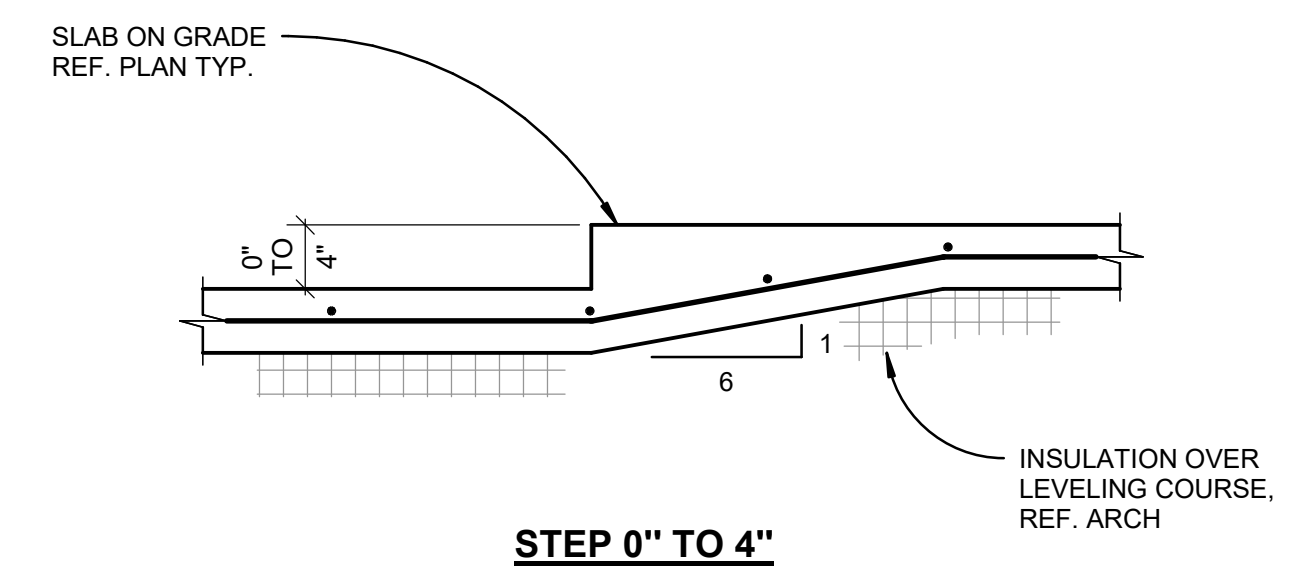
S5.1



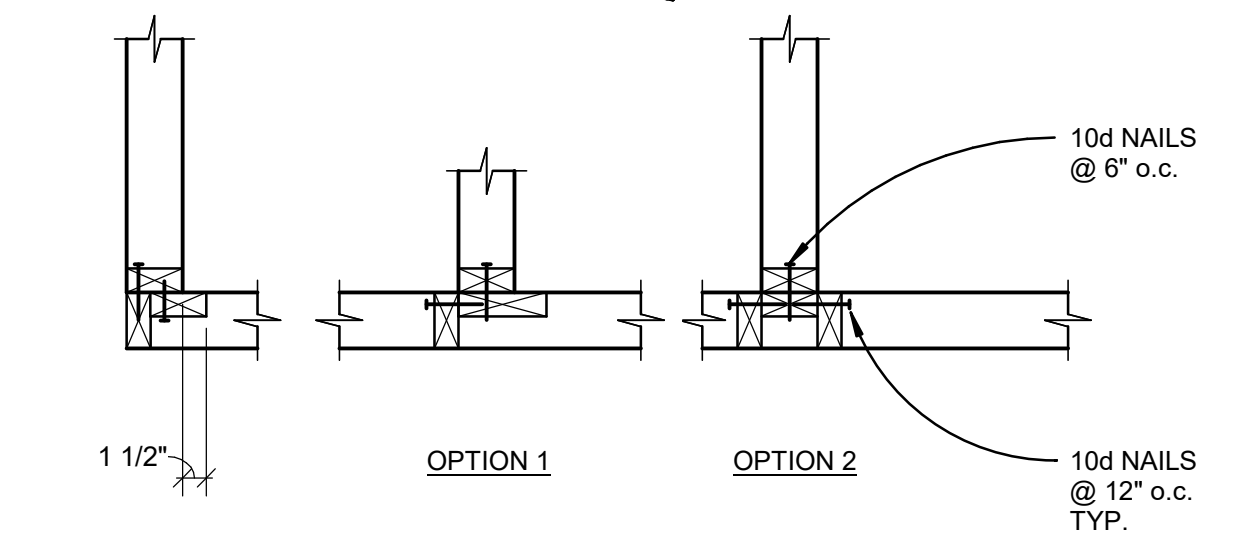
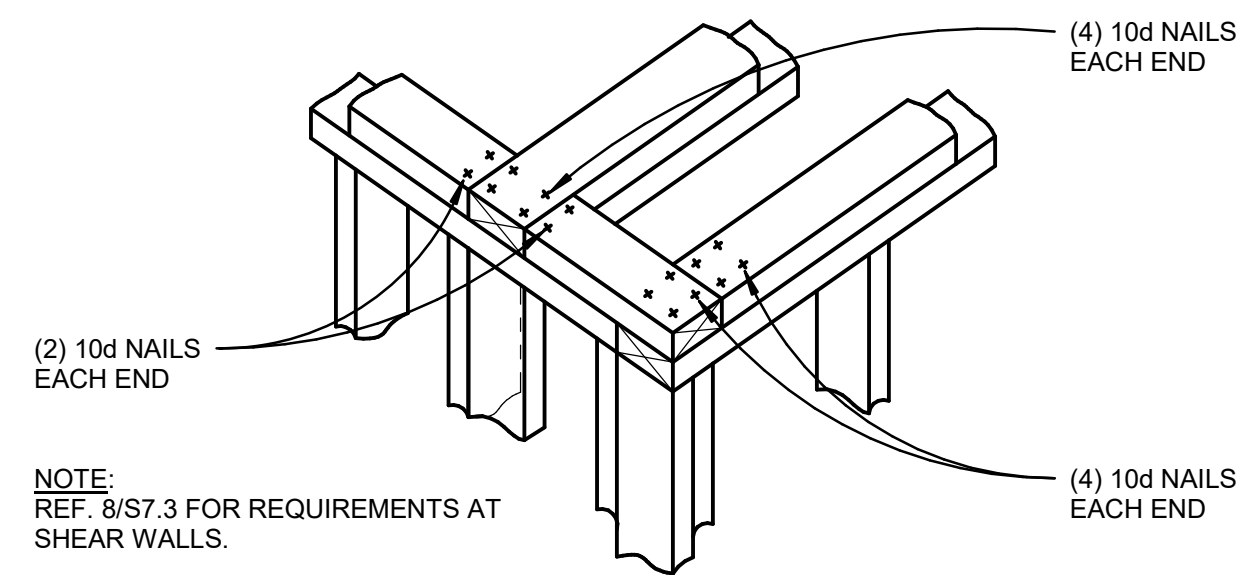
1 PERIMETER STEM WALL
1" = 1'-0"



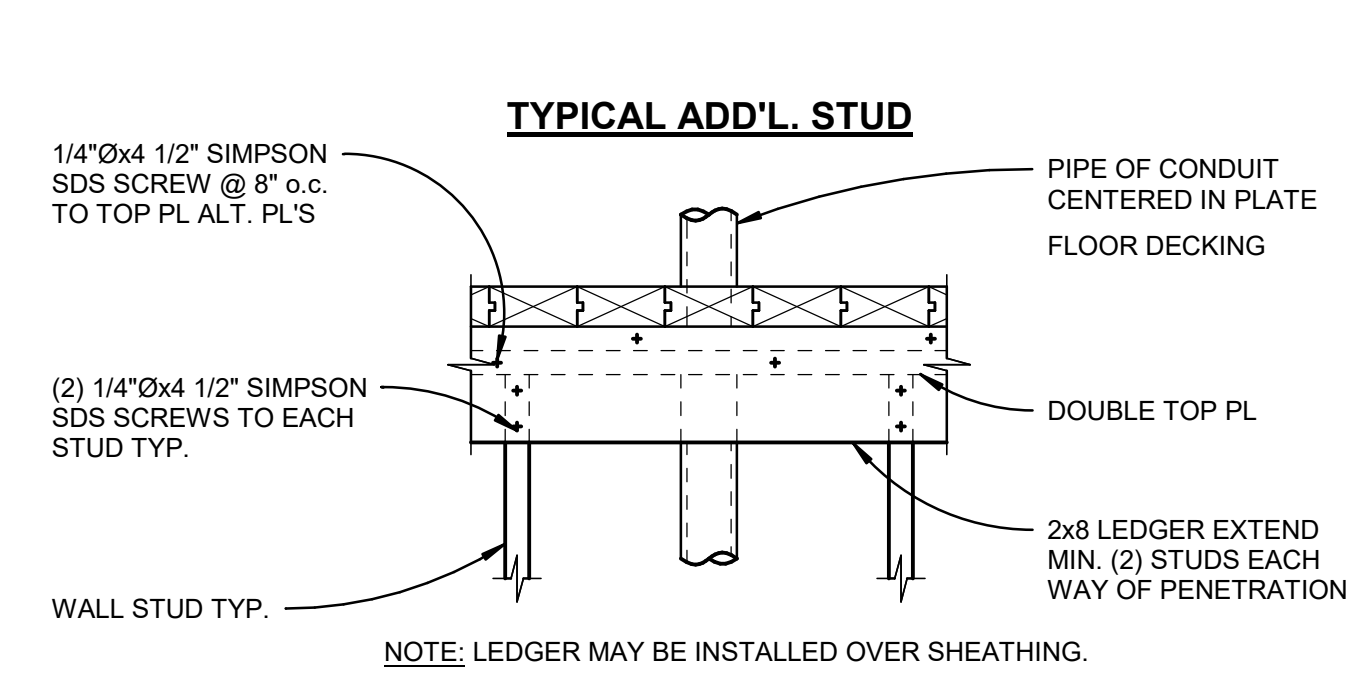
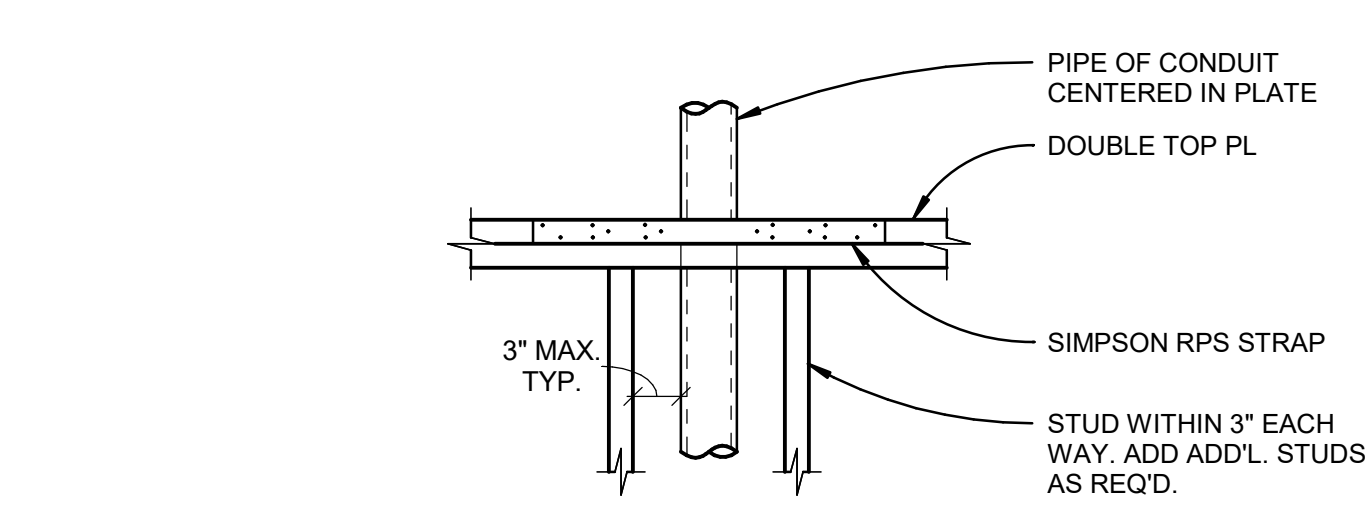
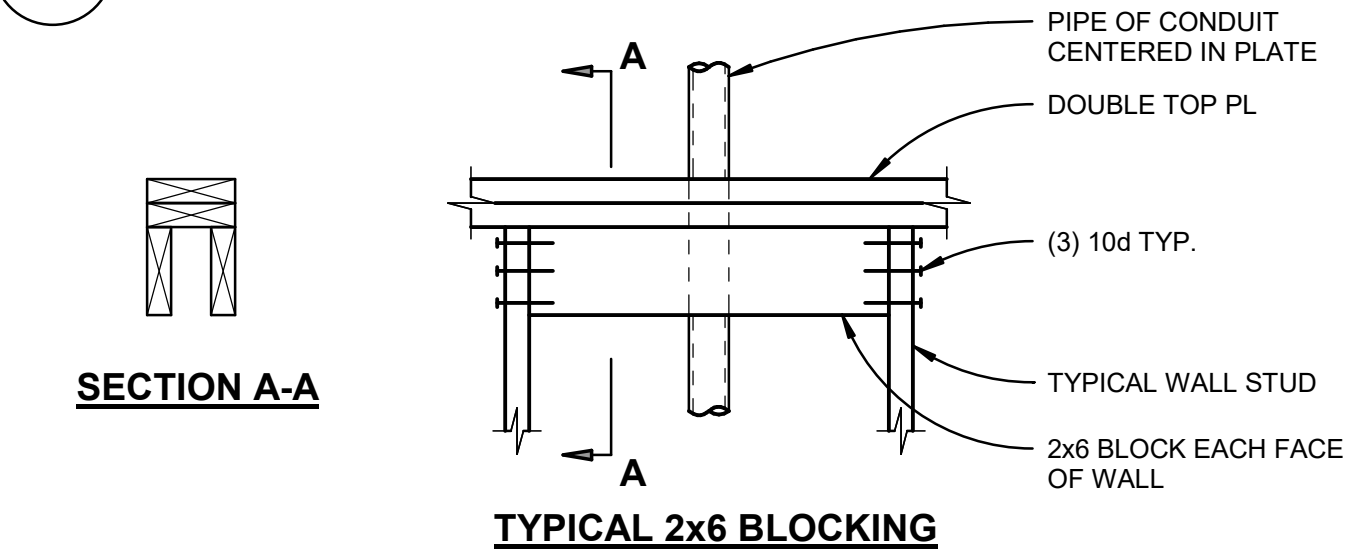
2 INTERIOR THICKENED SLAB
1" = 1'-0"



3 TYP. STEP IN SLAB ON GRADE
1" = 1'-0"



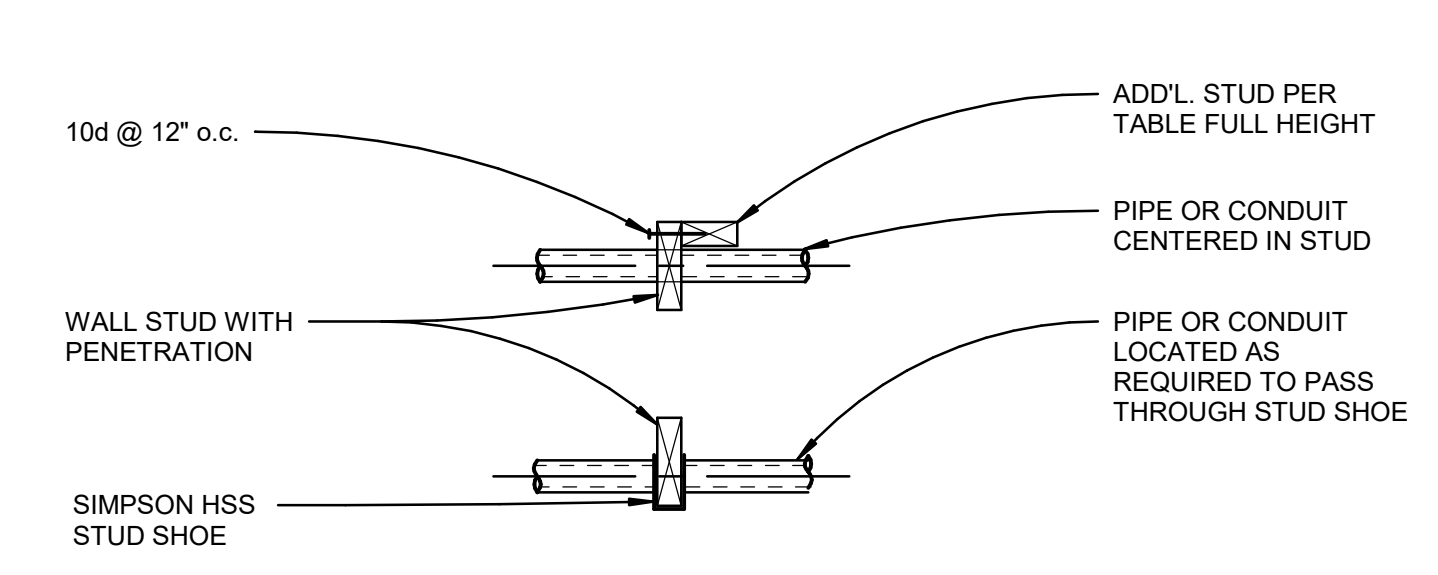
8 TYPICAL WALL CORNERS
N.T.S.



TYPICAL CORRIDOR LEDGER

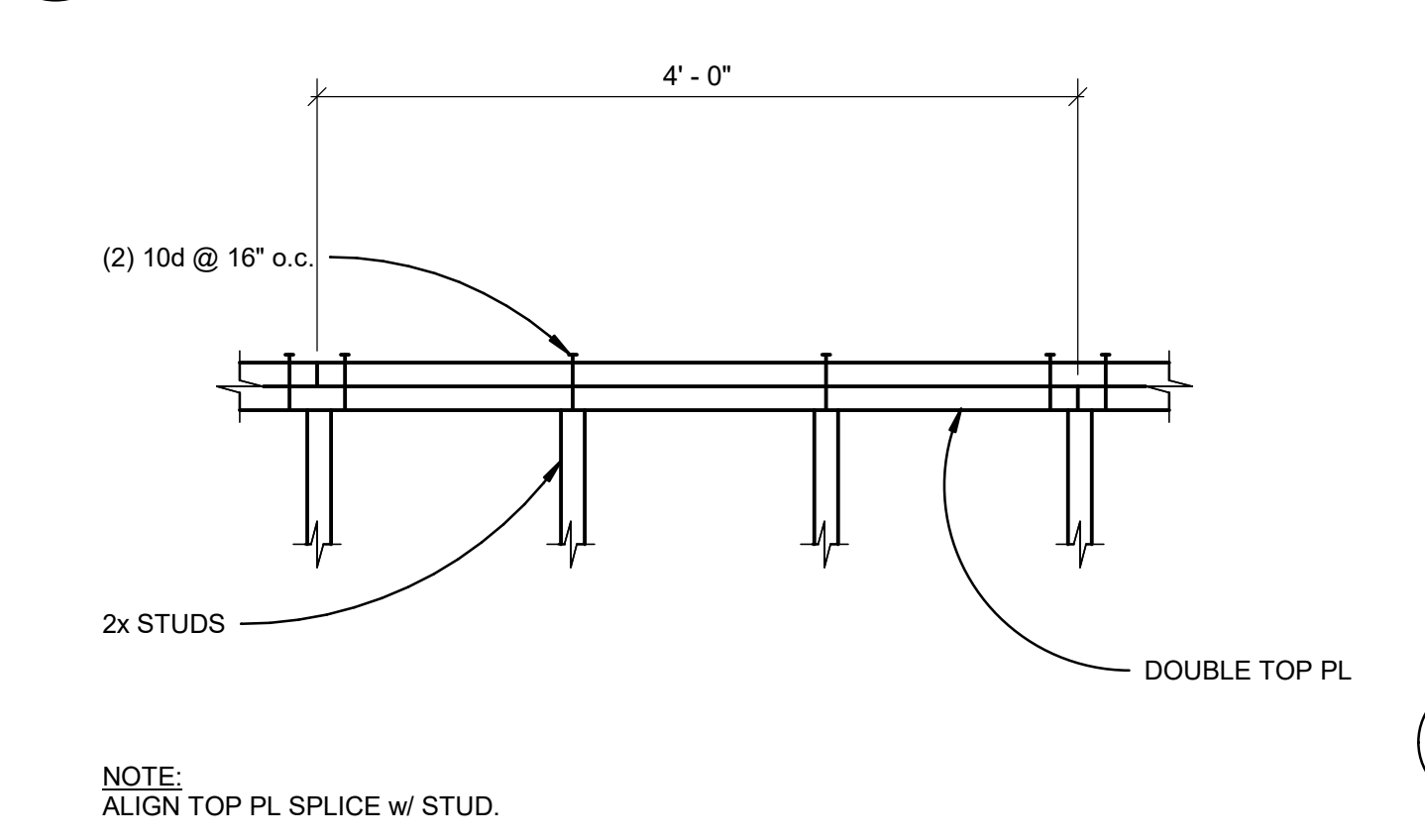
PLATE SIZE	WALL TYPE	HOLE DIAMETER	REINFORCEMENT	MINIMUM SPACING
2x4	TYPICAL	1" OR LESS	NONE	8" o.c.
		1 3/4" OR LESS	2x6 BLOCKING	24" o.c.
		2 1/2" OR LESS	ADD'L. STUD EACH SIDE AND SIMPSON RPS22 EACH SIDE	48" o.c.
2x6	TYPICAL	1 1/2" OR LESS	NONE	8" o.c.
		2 1/2" OR LESS	2x6 BLOCKING OR ADD'L. STUDS	24" o.c.
		3 1/2" OR LESS	ADD'L. STUD EACH SIDE AND SIMPSON RPS22 EACH SIDE	48" o.c.
2x6	CORRIDOR	2 1/2" OR LESS	NONE	12" o.c.
		3 1/2" OR LESS	ADD'L. STUD EACH SIDE AND SIMPSON RPS22 EACH SIDE	24" o.c.
		REMAINDER	2x8 LEDGER AT CORRIDOR AND SIMPSON RPS22 OPP.	48" o.c.

9 TYPICAL PLATE PENETRATION
1" = 1'-0"

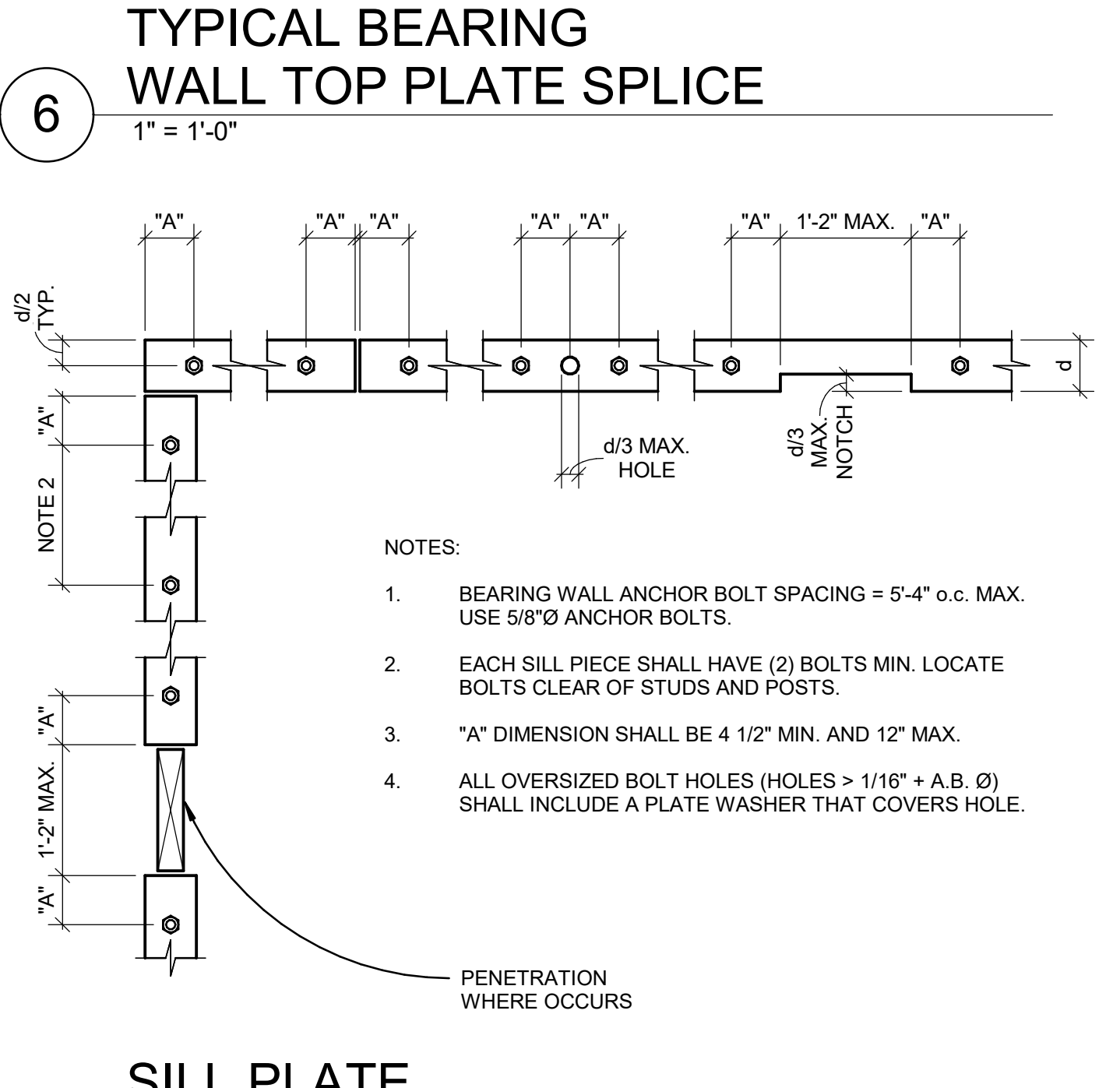


STUD SIZE	HOLE WIDTH	REINFORCEMENT REQUIRED
2x4	1" OR LESS	NONE
	1 3/4" OR LESS	ADD'L. 2x4 OR SIMPSON HSS
2x6	1 1/2" OR LESS	NONE
	2 1/2" OR LESS	ADD'L. 2x4 OR SIMPSON HSS
2x8	1 1/2" OR LESS	NONE
	2 1/2" OR LESS	ADD'L. 2x4 OR SIMPSON HSS
	4" OR LESS	ADD'L. 2x6

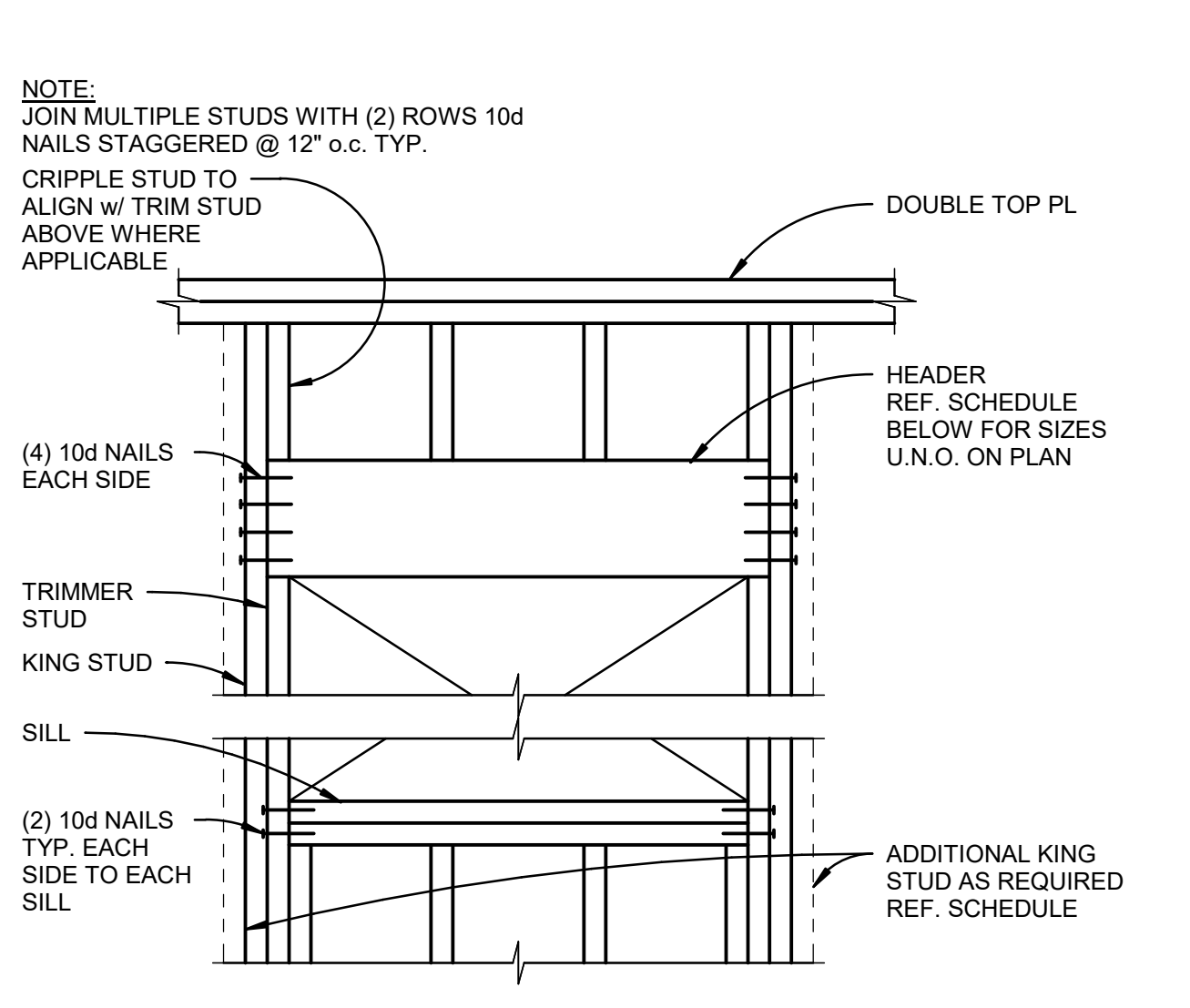
5 TYPICAL STUD PENETRATION
1" = 1'-0"



6 TYPICAL BEARING WALL TOP PLATE SPLICE
1" = 1'-0"



7 SILL PLATE BOLT BOLTING - BEARING WALLS
1" = 1'-0"

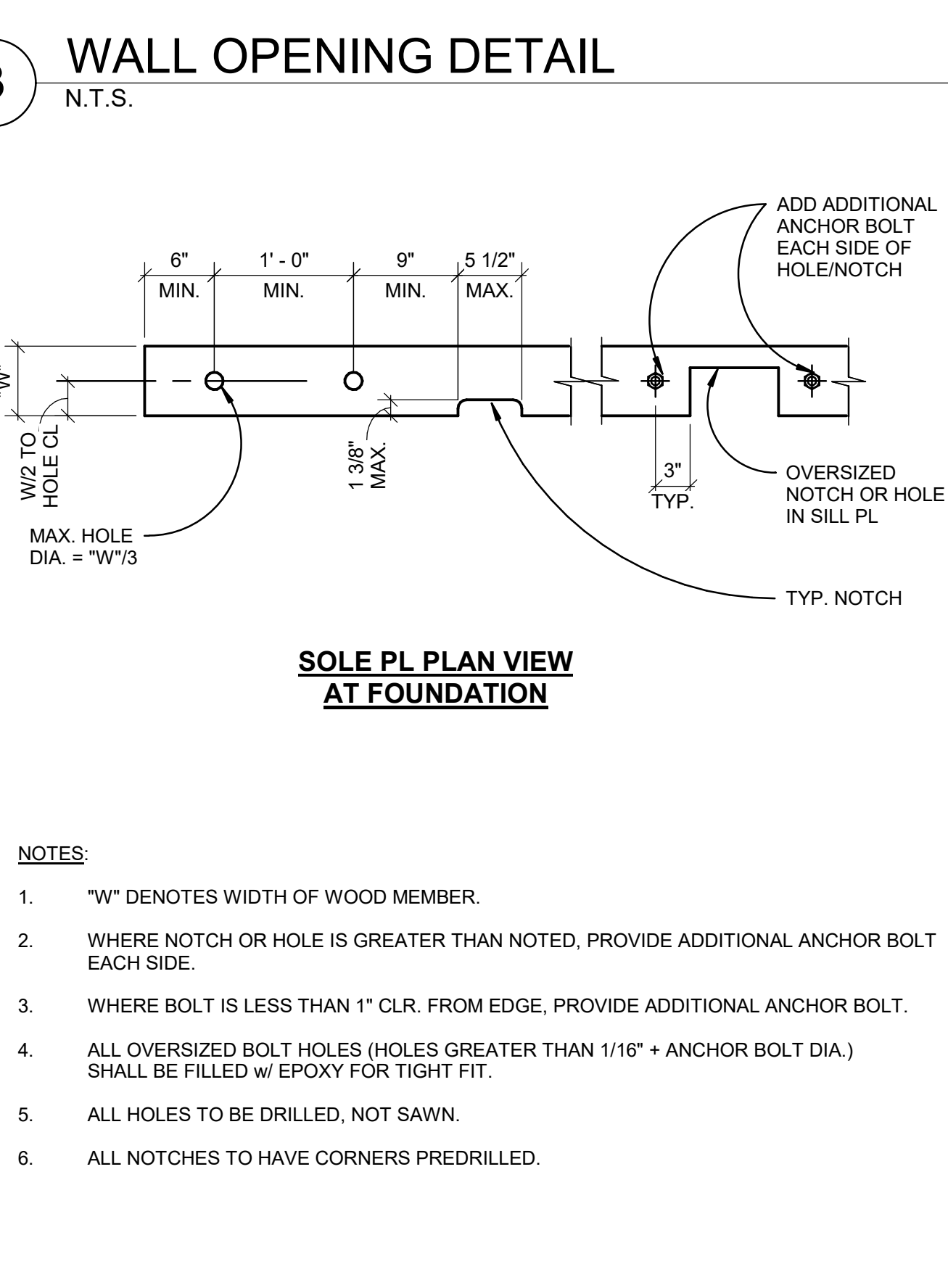


3 WALL OPENING DETAIL
N.T.S.

WALL OPENING SCHEDULES

LOAD BEARING WALLS				
OPENING WIDTH	HEADER	SILL	TRIMMER	KING
0'-0" TO 4'-0"	(2) 2x6	(2) 2x	(1) 2x	(1) 2x
4'-1" TO 6'-0"	(2) 2x6	(2) 2x	(1) 2x	(2) 2x
6'-1" TO 8'-0"	(2) 2x8	(2) 2x	(2) 2x	(2) 2x
8'-1" AND LARGER	REF. PLAN	(2) 2x	(2) 2x	REF. PLAN
NON-LOAD BEARING WALLS				
OPENING WIDTH	HEADER	SILL	TRIMMER	KING
0'-0" TO 4'-0"	(2) 2x4	(2) 2x	(1) 2x	(1) 2x
4'-1" TO 6'-0"	(2) 2x4	(2) 2x	(1) 2x	(1) 2x
6'-1" TO 8'-0"	(2) 2x6	(2) 2x	(1) 2x	(2) 2x
8'-1" AND LARGER	REF. PLAN			

4 HOLES & NOTCHES AT WALL PLATES
N.T.S.

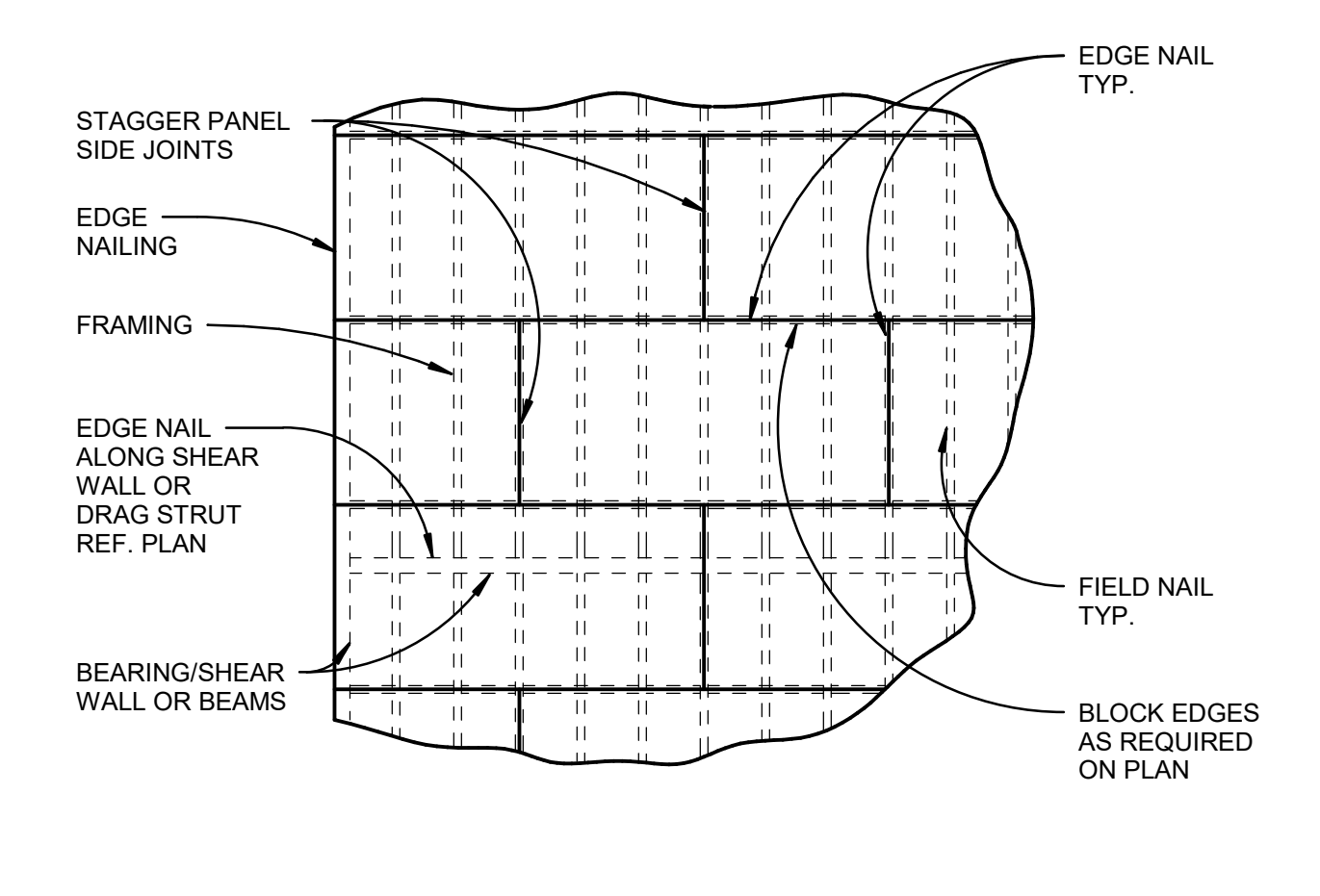


4 HOLES & NOTCHES AT WALL PLATES
N.T.S.

WOOD DIAPHRAGM SCHEDULE

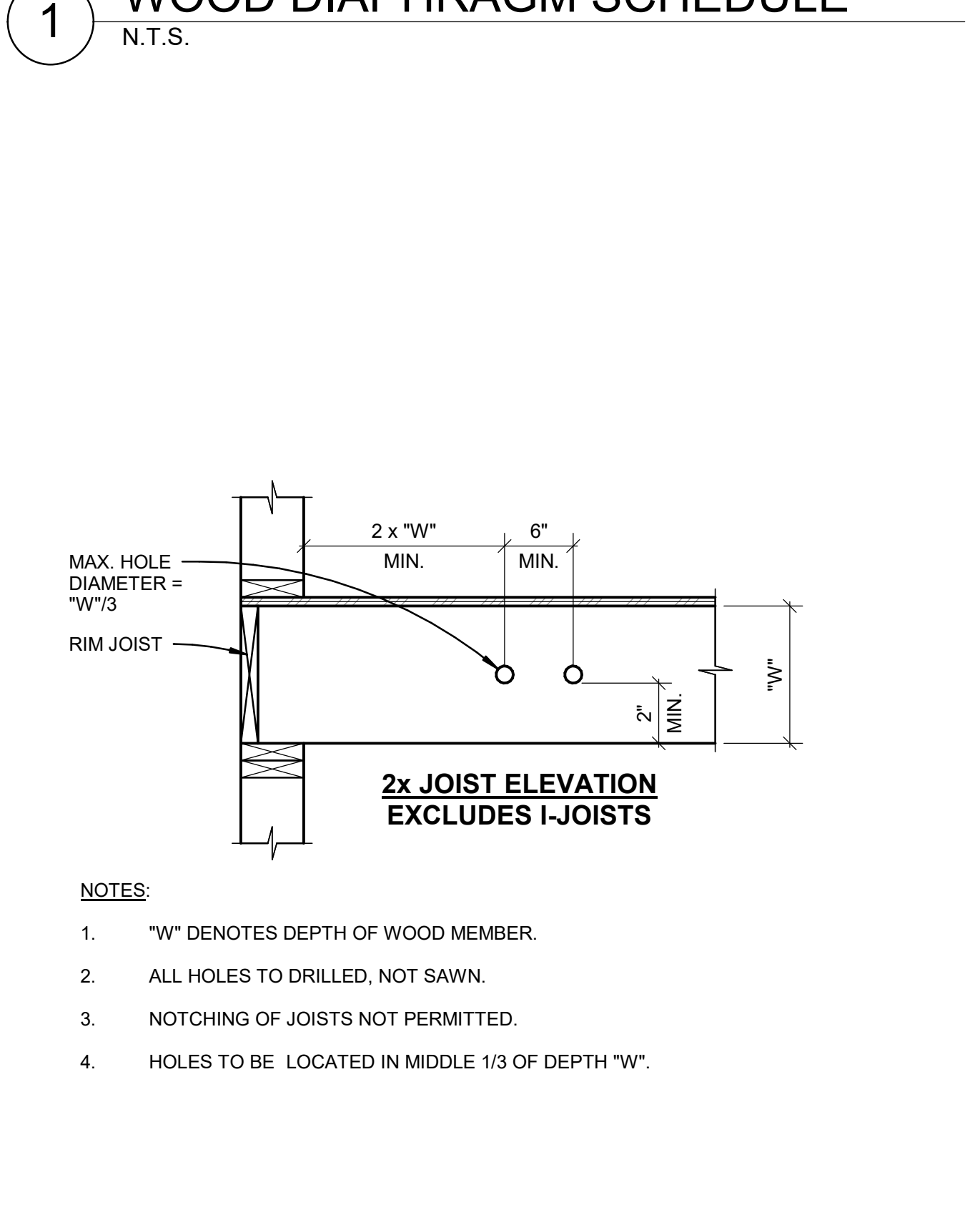
TYPE	THICKNESS (SPAN RATING)	EDGE NAILING	FIELD NAILING	BLOCKING	NOTES
D-1	5/8" (19/32")	10d @ 6" o.c.	10d @ 12" o.c.	NONE	

1 WOOD DIAPHRAGM SCHEDULE
N.T.S.



- NOTES:**
- PROVIDE 1/8" GAP AT ALL PANEL JOINTS. REF. GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
 - PANELS SHALL NOT BE LESS THAN 4'-0"x8'-0" EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING WHERE MINIMUM PANEL DIMENSION SHALL BE 24" UNLESS ALL EDGES OF UNDERSIZED PANELS ARE SUPPORTED BY AND FASTENED TO FRAMING MEMBERS OR BLOCKING.
 - NAILS SHALL BE LOCATED AT LEAST 3/8" FROM THE EDGES OF PANELS.
 - OSB IS NOT PERMITTED TO BE USED FOR ROOFS.

2 HOLES AT SOLID SAWN JOISTS
N.T.S.



2 HOLES AT SOLID SAWN JOISTS
N.T.S.

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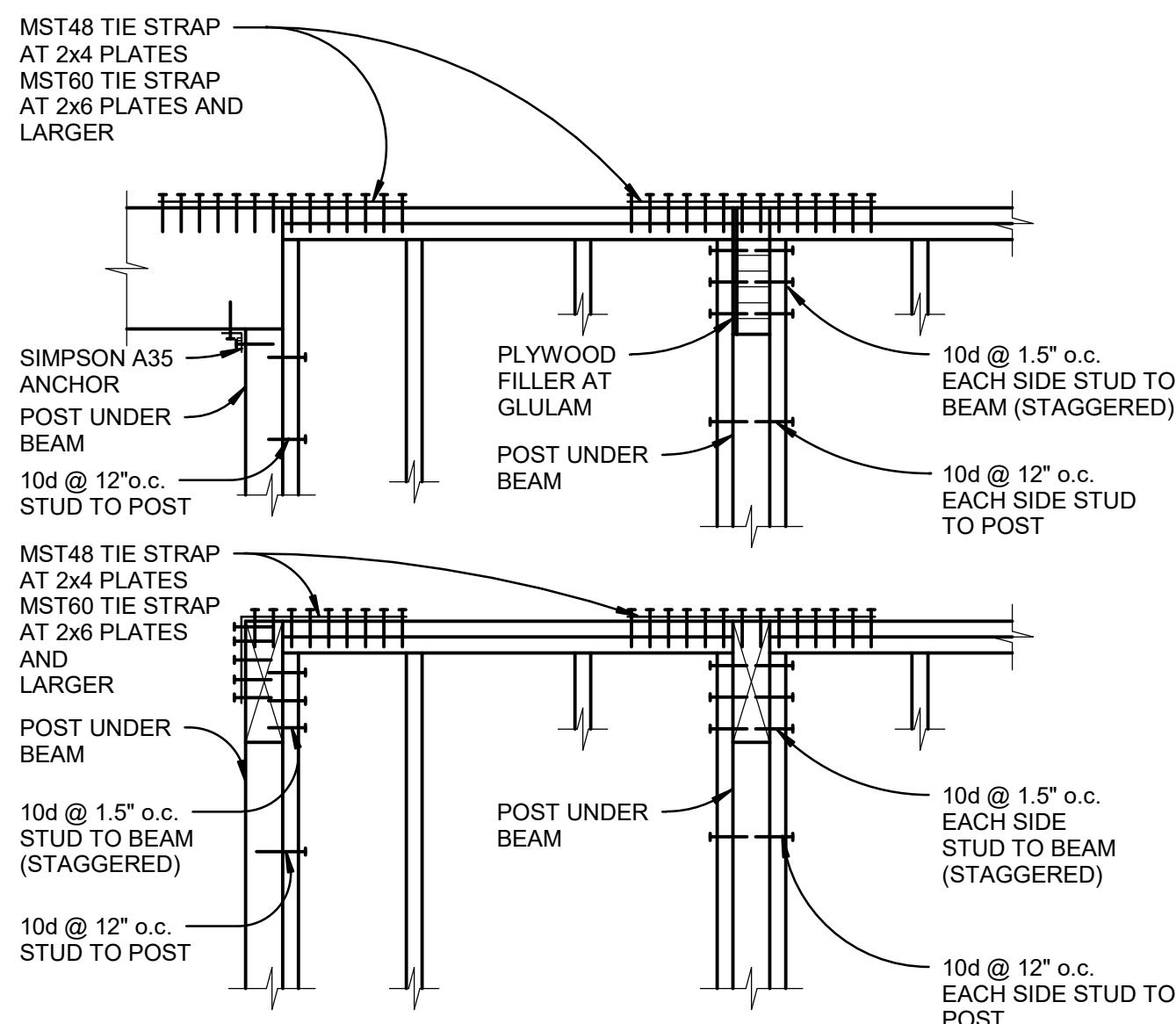
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PROJECT NO.: 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

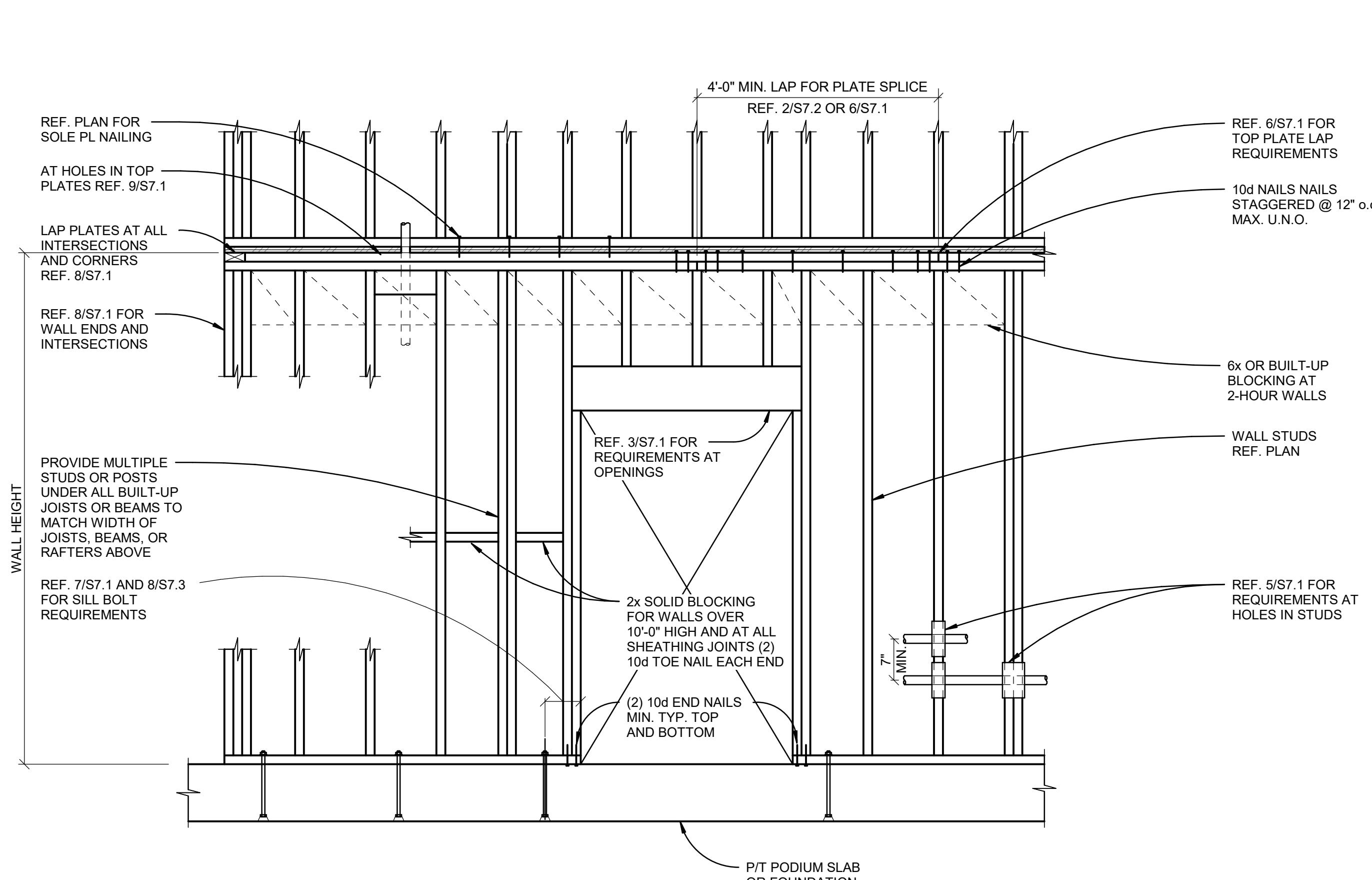
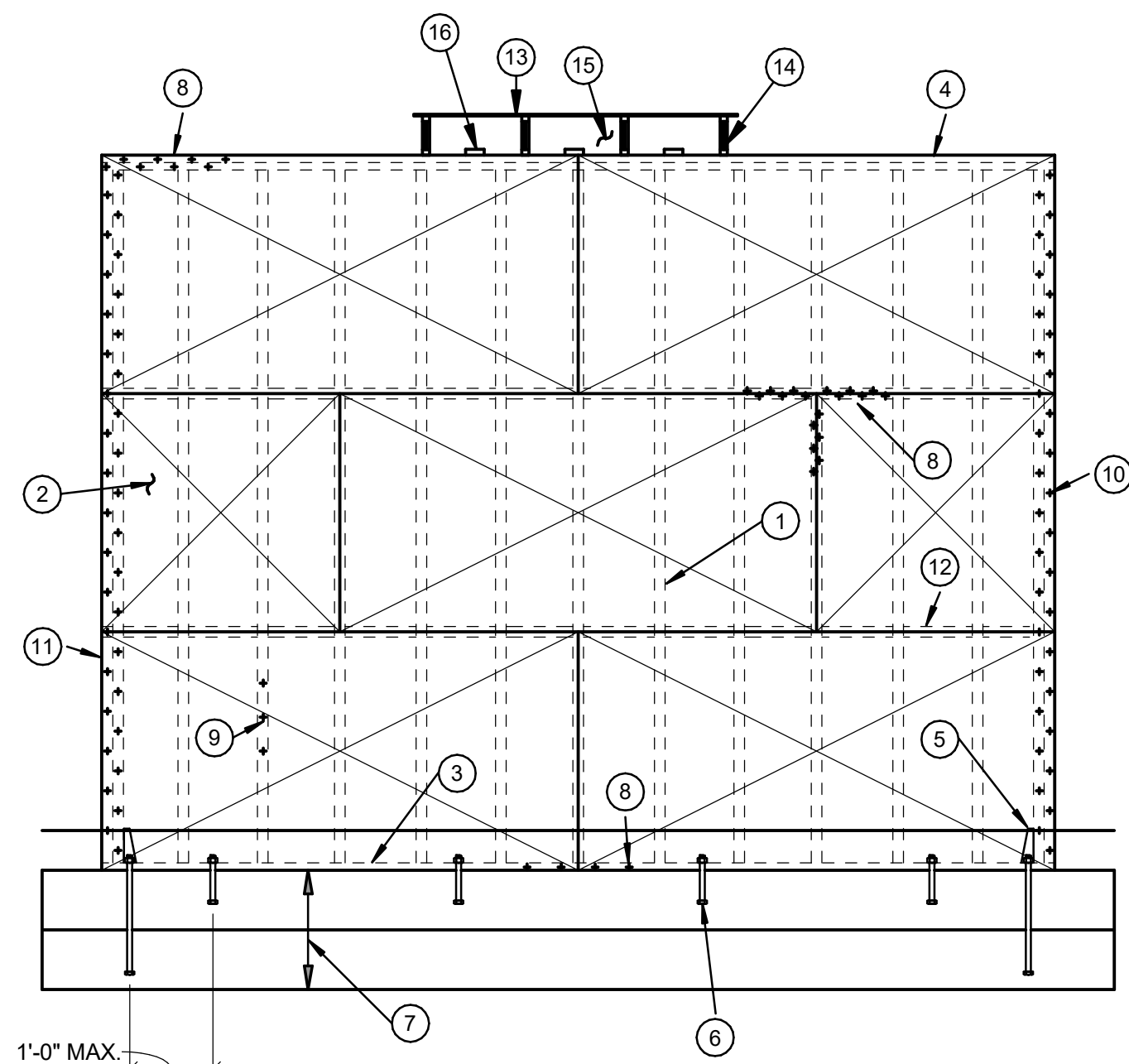
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DATE: SEPT. 29, 2023
SHEET TITLE:
WOOD DETAILS

S7.1
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3 WOOD BEAM CONNECTION AT WALL
1" = 1'-0"

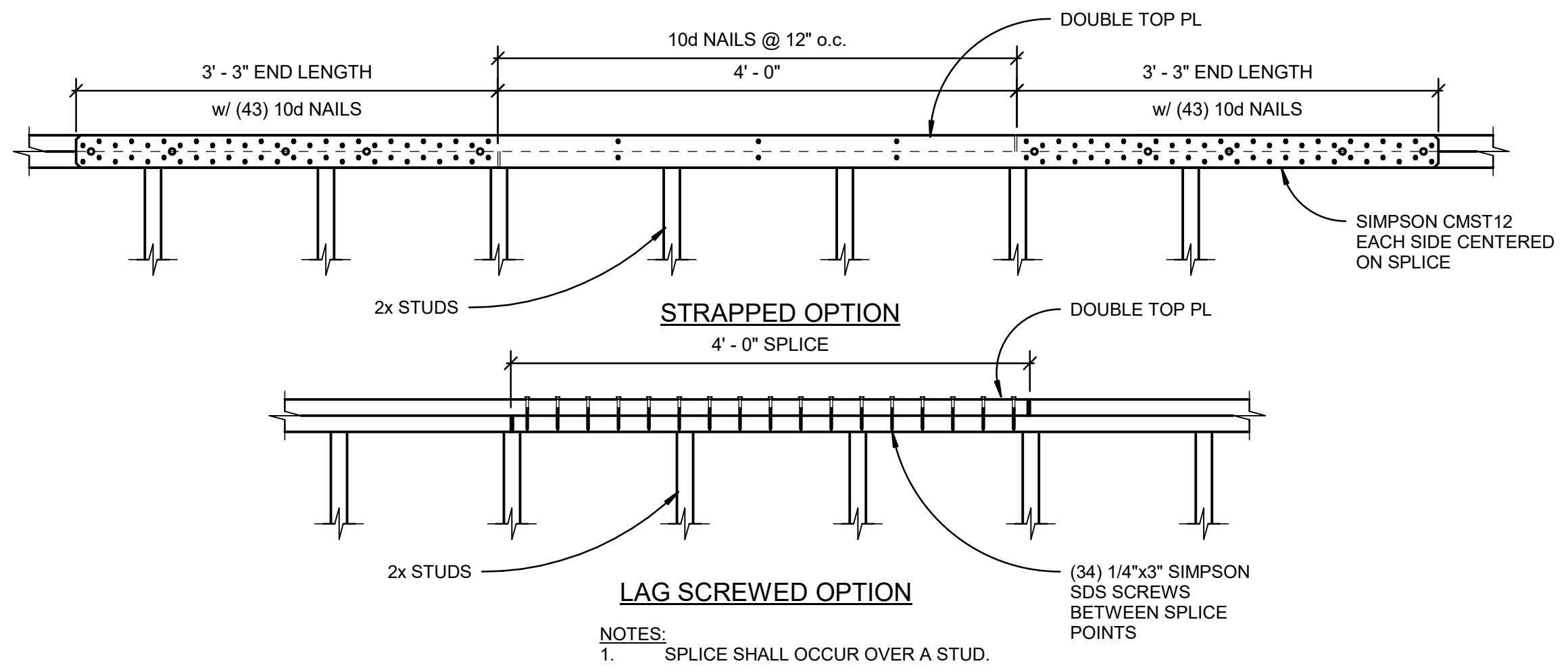


- NOTES:
- CUTTING, NOTCHING OR BORING OF STUDS OR PLATES SHALL COMPLY w/ 4/S7.1 AND 7/S7.1.
 - OMIT MID HEIGHT WALL BLOCKING FOR WALLS ≤ 12'-0" HEIGHT IF A MIN. OF ONE FACE OF 5/8" GWB IS PROVIDED w/ 6d WALL BOARD NAILS @ 7" o.c.

1 TYPICAL BEARING/SHEAR WALL ELEVATION
N.T.S.

- SHEAR WALL ELEVATION NOTES:
- TYPICAL WALL STUDS.
 - WOOD STRUCTURAL PANEL SHEATHING. LAY HORIZONTALLY OR VERTICALLY. REF. SHEAR WALL SCHEDULE SW300.01 FOR ADDITIONAL REQUIREMENTS.
 - P.T. SILL PLATE, REF. SW300.04.
 - DOUBLE TOP PLATE, REF. SW300.06 FOR TOP CHORD SPLICE DETAIL.
 - HOLDOWN ANCHOR, REF. SCHEDULE SW310.04.
 - ANCHOR BOLTS.
 - FOUNDATION, STEMWALL OR THICKENED SLAB.
 - EDGE NAILING REF. SHEAR WALL SCHEDULE.
 - INTERMEDIATE SUPPORT NAILING REF. SHEAR WALL SCHEDULE.
 - PROVIDE EDGE NAILING TO EACH HOLDOWN POST. WHERE HOLDOWN POST CONSISTS OF BUILT UP MEMBERS, PROVIDE STAGGERED NAILING TO EACH PIECE.
 - HOLDOWN POST.
 - ALL SHEATHING EDGES ARE TO BE BLOCKED. REF. SHEAR WALL SCHEDULE FOR FRAMING THICKNESS AT ADJOINING PANEL EDGES.
 - ROOF SHEATHING.
 - ROOF RAFTER OR TRUSS.
 - BLOCKING.
 - "SHEAR CLIP" PER SHEAR WALL SCHEDULE.

4 SHEAR WALL ELEVATION - SINGLE STORY
1" = 1'-0"



2 SHEAR WALL TOP PL SPLICE
1" = 1'-0"

- NOTES:
- SPLICE SHALL OCCUR OVER A STUD.

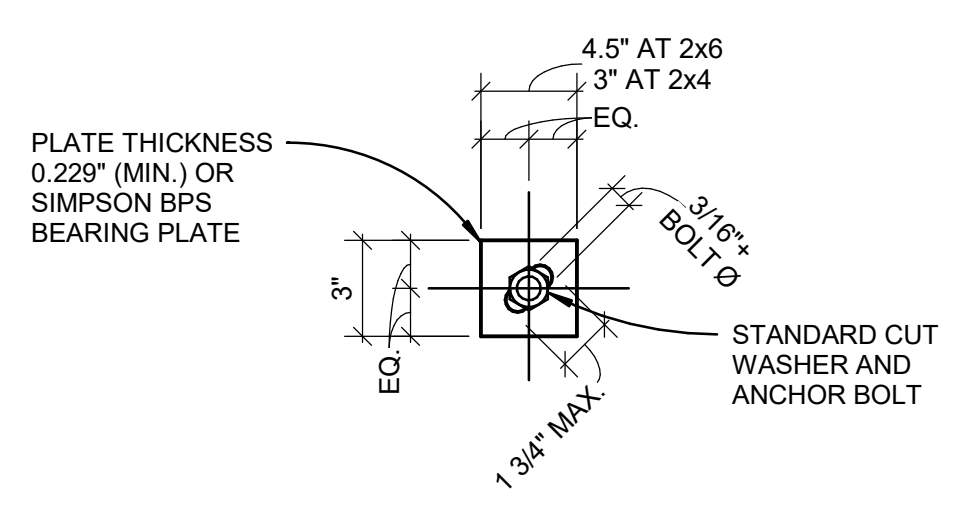
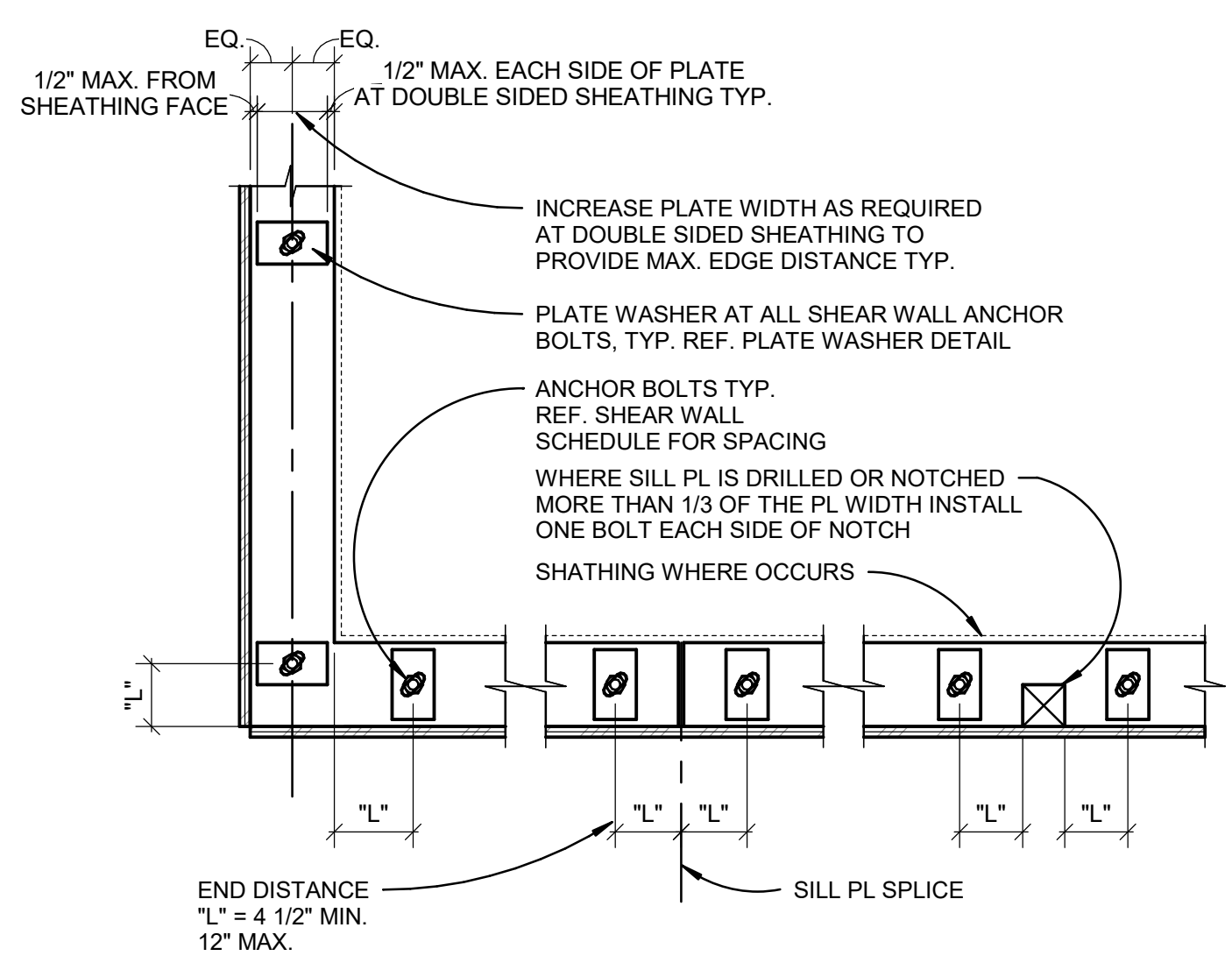


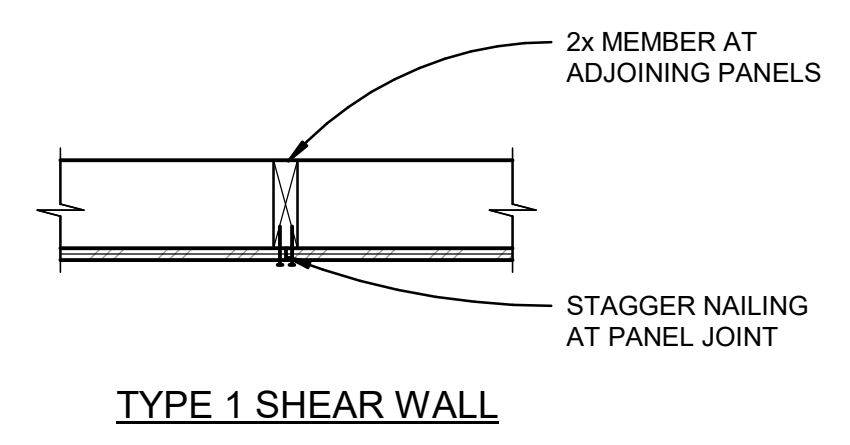
PLATE WASHER



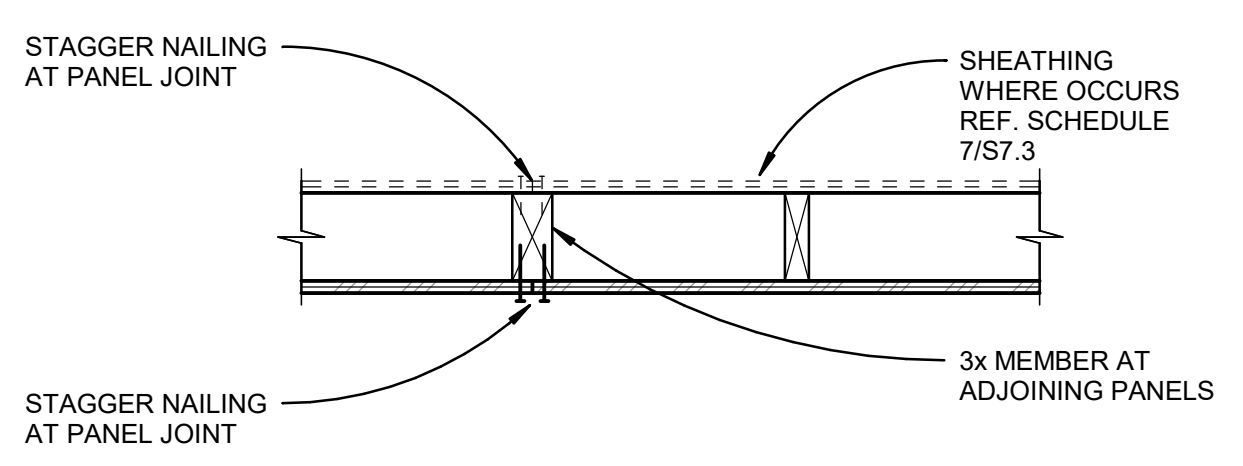
NOTES:

1. ALL SILL PL'S SHALL BE PRESSURE TREATED D.F. OF WIDTH EQUAL TO DEPTH OF STUDS.
2. ALL OVERSIZED BOLT HOLES (HOLES > 1/16" + A.B. Ø) SHALL BE FILLED W/ EPOXY OR NON-SHRINK GROUT FOR TIGHT FIT.
3. LOCATE BOLTS CLEAR OF STUDS AND POSTS.
4. PROVIDE A MINIMUM OF TWO BOLTS PER SILL PIECE.

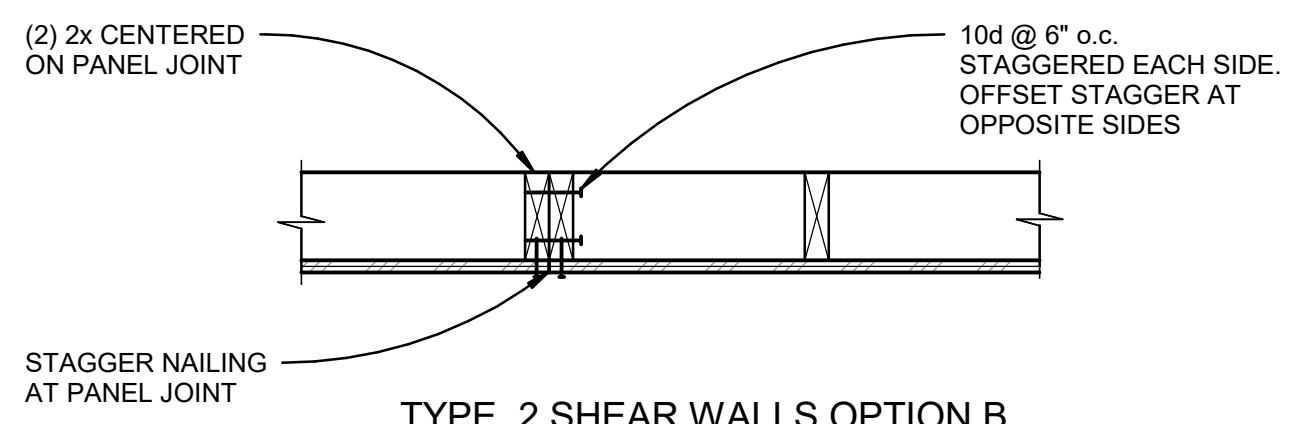
8 TYP. SHEAR WALL SILL PLATE ANCHORAGE
1" = 1'-0"



TYPE 1 SHEAR WALL

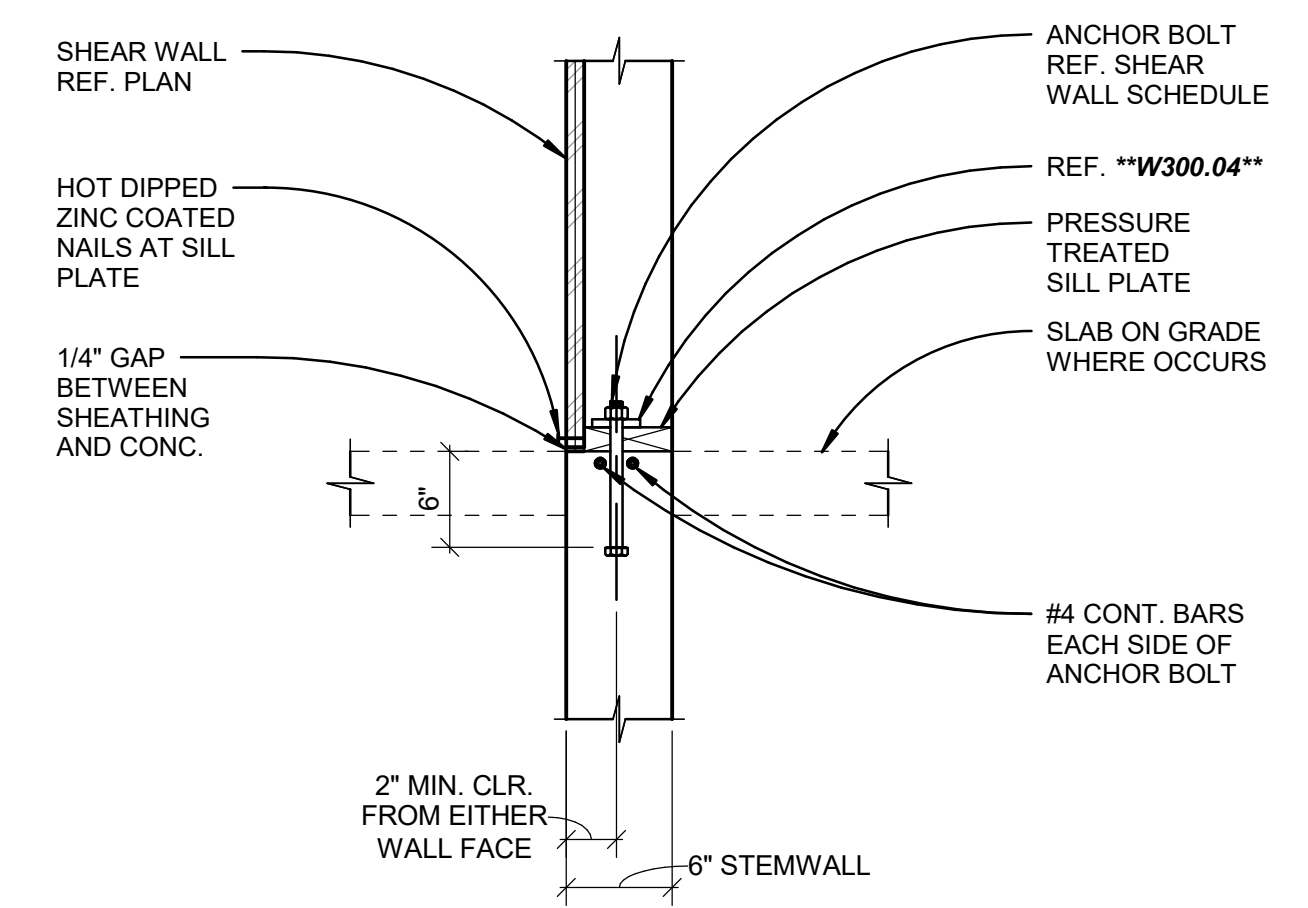


TYPE 2 SHEAR WALLS OPTION A



TYPE 2 SHEAR WALLS OPTION B

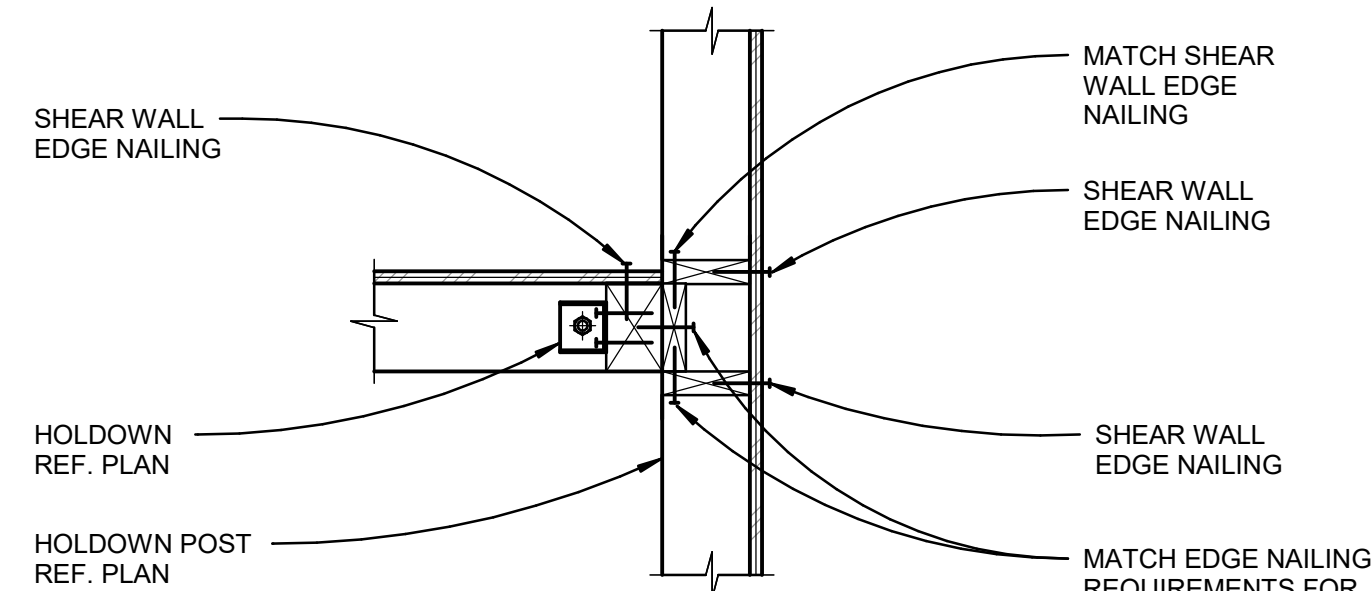
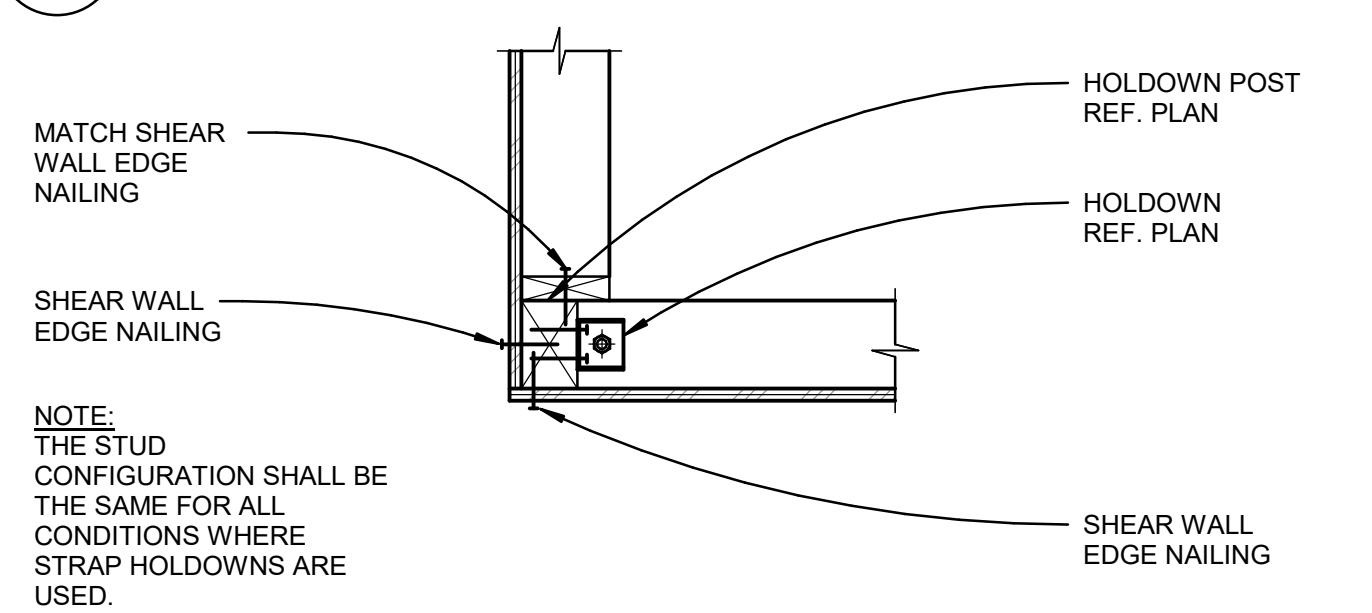
6 TYP. ADJOINING SHEAR WALL EDGES
1" = 1'-0"



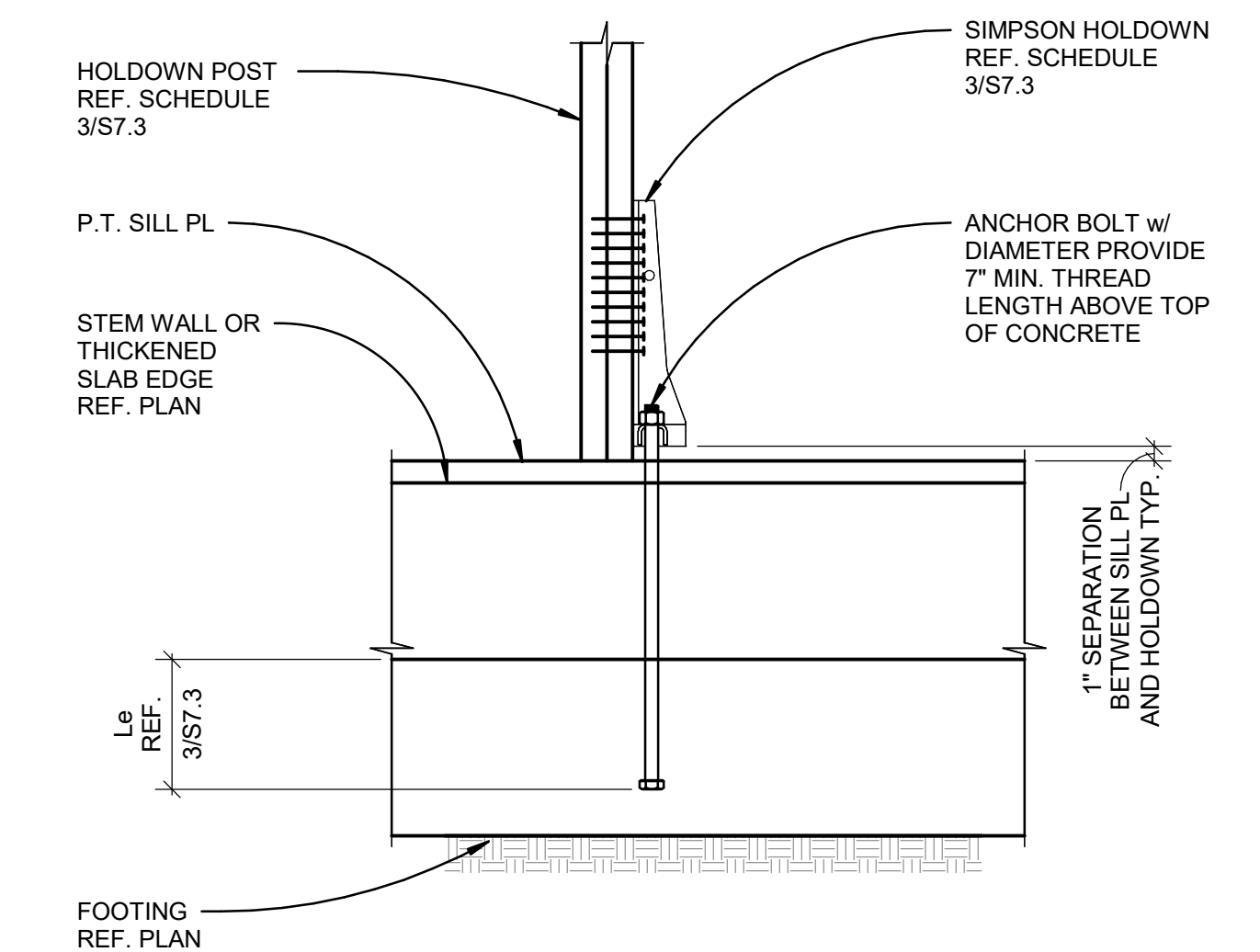
NOTES:

1. REF. SILL PLATE BOLTING DETAIL 8/S7.3 FOR ADDITIONAL INFORMATION.
2. REF. SHEAR WALL SCHEDULE FOR ANCHOR BOLT SIZE AND SPACING.

4 TYP. SHEAR WALL BOLTS AT STEMWALL
1" = 1'-0"



5 HOLDOWNS AT CORNERS
1" = 1'-0"



2 SHEAR WALL HOLDOWN AT FOUNDATION
1" = 1'-0"

WOOD SHEAR WALL SCHEDULE						
WALL TYPE	WOOD STRUCTURAL PANEL SHEATHING	PANEL EDGE NAILING	SILL / SOLE PLATE THICKNESS	SILL PLATE ANCHORAGE	SOLE PLATE FASTENING	SHEAR CLIP AT ROOF TRUSSES AND PLATFORM FRAMING
1	15/32"	10d @ 6" o.c.	2x	5/8" Ø ANCHOR BOLT @ 42" o.c.	16d @ 6" o.c.	A35 OR LPT4 @ 22" o.c. MIN. (1) PER BAY
2	15/32"	10d @ 3" o.c.	3x	5/8" Ø ANCHOR BOLT @ 20" o.c.	1/4x6 SDS @ 8" o.c.	A35 OR LPT4 @ 12" o.c. MIN. (1) PER BAY

NOTES:

1. REFERENCE 4/S7.2 FOR TYPICAL SHEAR WALL ELEVATION.
2. ALL PANEL EDGES SHALL BE BACKED WITH 2x NOMINAL OR WIDER FRAMING OR BLOCKING. PANELS SHALL BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY. PROVIDE FIELD NAILING @ 12" o.c. ALONG INTERMEDIATE FRAMING MEMBERS AND BLOCKING. REF. 1/S7.3.
3. STAGGER EDGE NAILING AT ADJOINING PANEL EDGES WITH THE SPECIFIED SPACING OCCURRING ON EACH EDGE. PROVIDE 3/8" MINIMUM EDGE DISTANCE AT SHEATHING AND FRAMING. PROVIDE A MINIMUM OF 1 1/2" PENETRATION INTO FRAMING MEMBERS. DO NOT PENETRATE SURFACE OF SHEATHING WITH NAIL HEADS.
4. ALL SILL PLATES TO BE P.T. LUMBER. ALL FASTENERS IN CONTACT WITH P.T. SILL PLATES TO BE GALVANIZED.
5. PROVIDE SIMPSON BPS BEARING PLATES AT ALL ANCHOR BOLTS. REF. 8/S7.3.
6. SILL PLATE ANCHORS SHALL BE GALVANIZED F1554 A36 HEADED ANCHOR BOLTS OF THE SPECIFIED DIAMETER OR APPROVED EQUAL. REF. 8/S7.3.
7. WOOD SHEAR WALLS ARE PART OF THE SEISMIC FORCE RESISTING SYSTEM (SFRS).
8. LOCATE STRUCTURAL SHEATHING ON THE SAME SIDE OF STUDS LEVEL-TO-LEVEL AT ONE SIDED SHEAR WALLS. WALL SYMBOL DOES NOT INDICATE SHEATHING SIDE.
9. ALL SPACINGS INDICATED ARE MAXIMUMS.

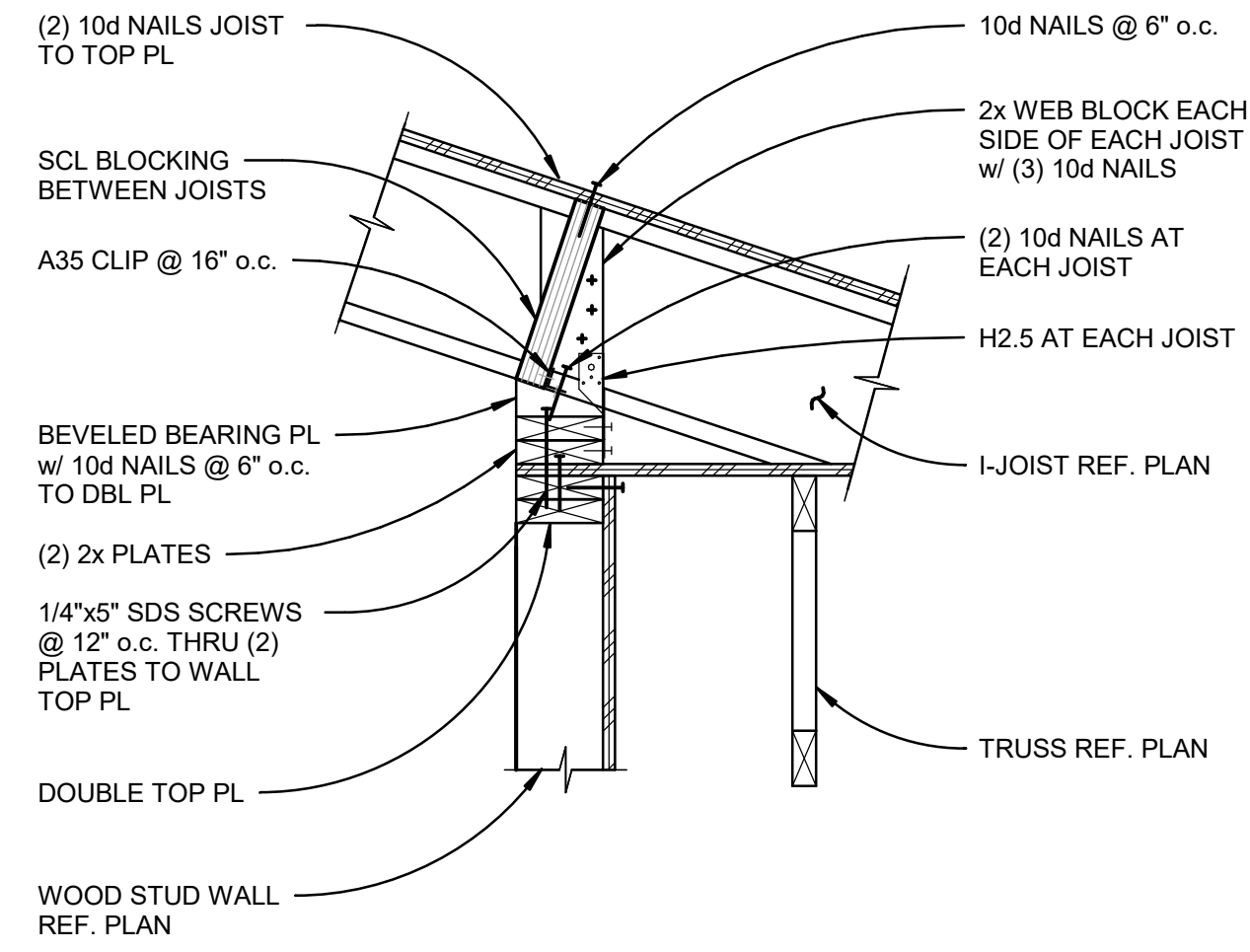
7 SHEAR WALL SCHEDULE
1" = 1'-0"

HOLDOWN SCHEDULE				
MARK	TYPE	POST	ANCHOR DIAMETER	FOOTING EMBEDMENT Le (IN.)
A	HDU2-SDS2.5	(2) 2x6	5/8	0'-9"
B	HDU8-SDS2.5	(3) 2x6	7/8	0'-9"

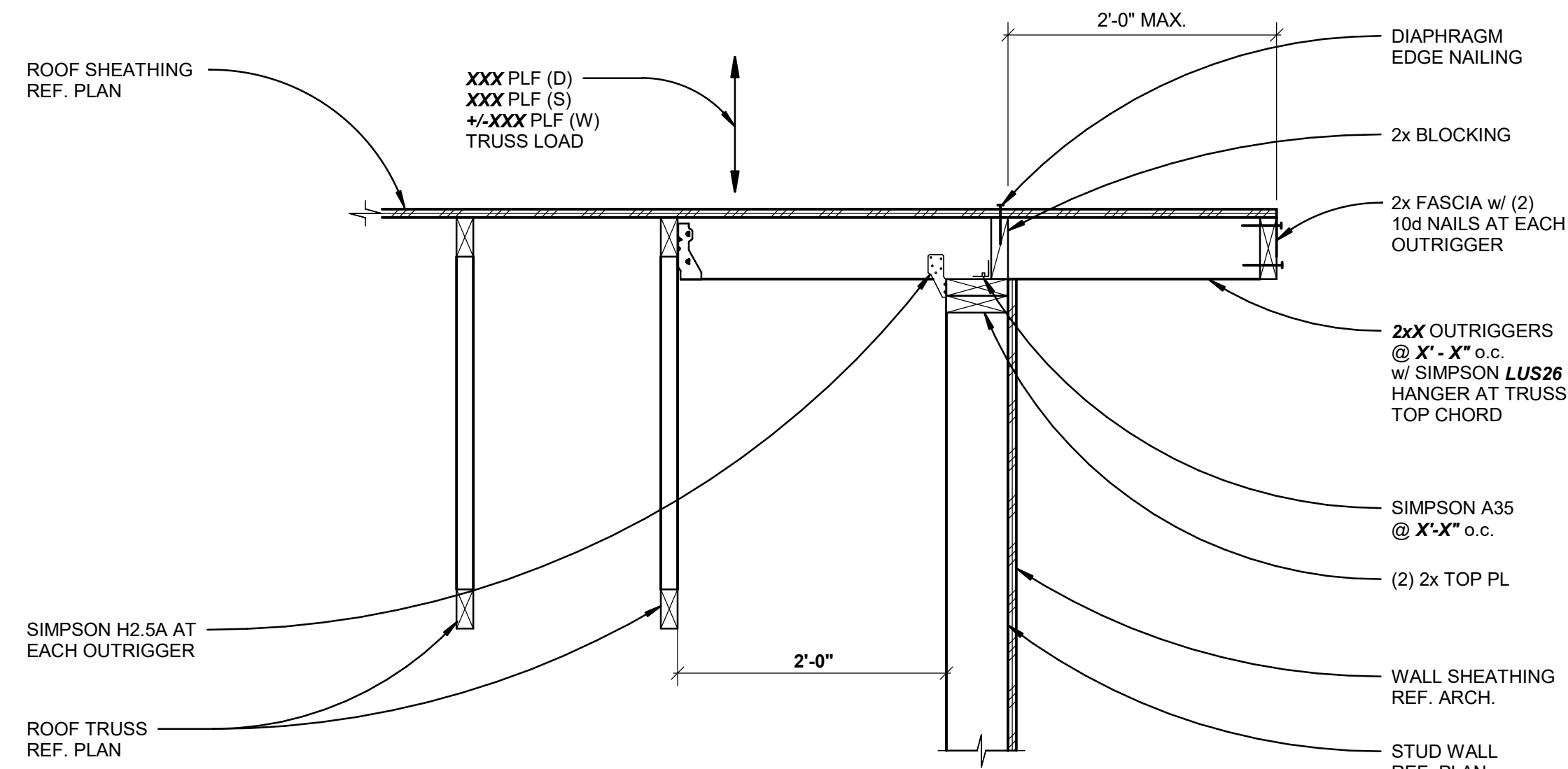
NOTES:

1. REF. TYP. HOLDOWN DETAIL 2/S7.3 FOR DEFINITION OF Le.
2. ANCHORS SHALL BE ASTM F1554 GRADE 36 HEADED ANCHOR BOLTS.
3. ALL HOLDOWNS SHALL BE INSTALLED WITH STRICT CONFORMANCE TO MANUFACTURER'S REQUIREMENTS.

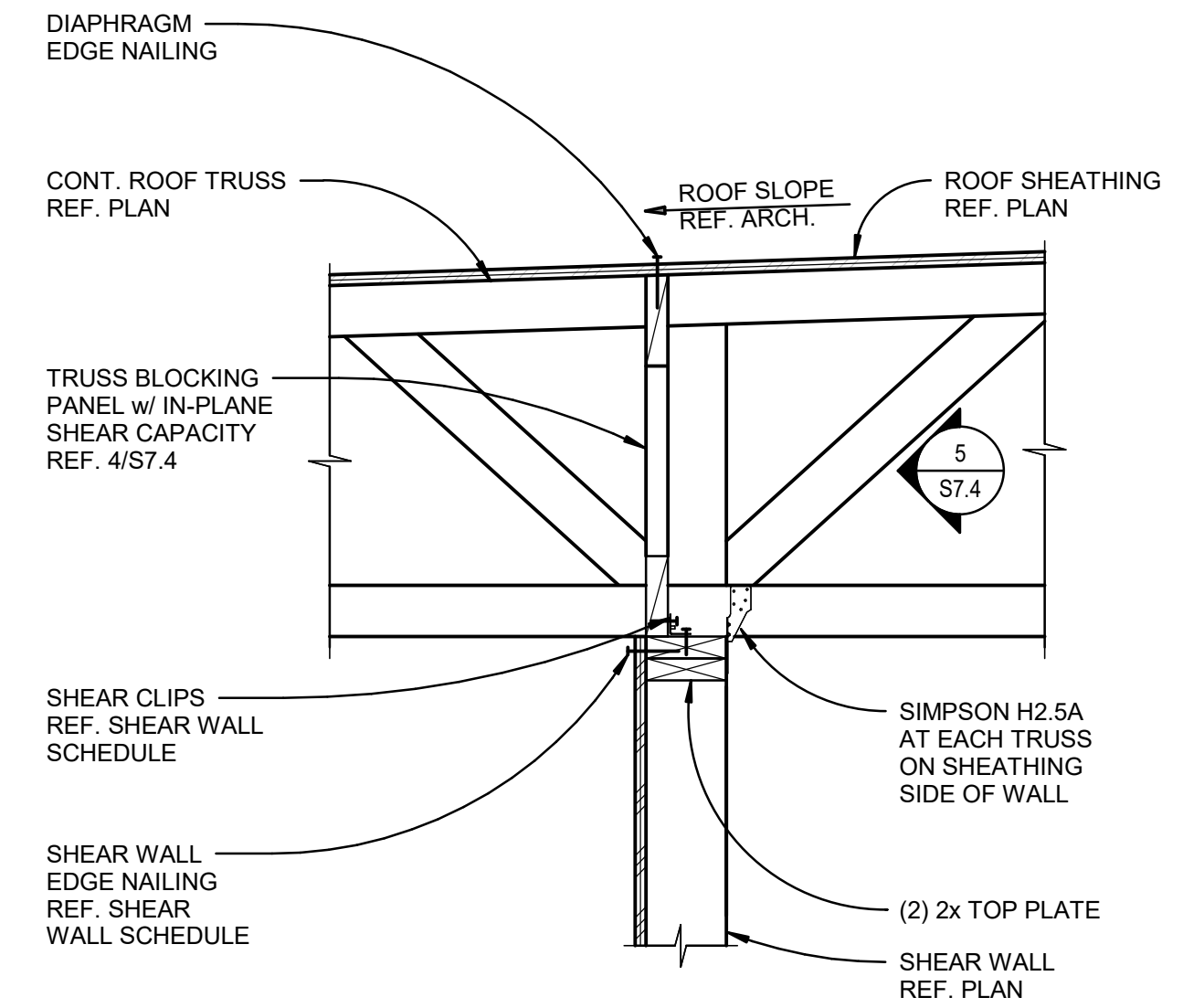
3 SHEAR WALL HOLDOWN SCHEDULE
1" = 1'-0"



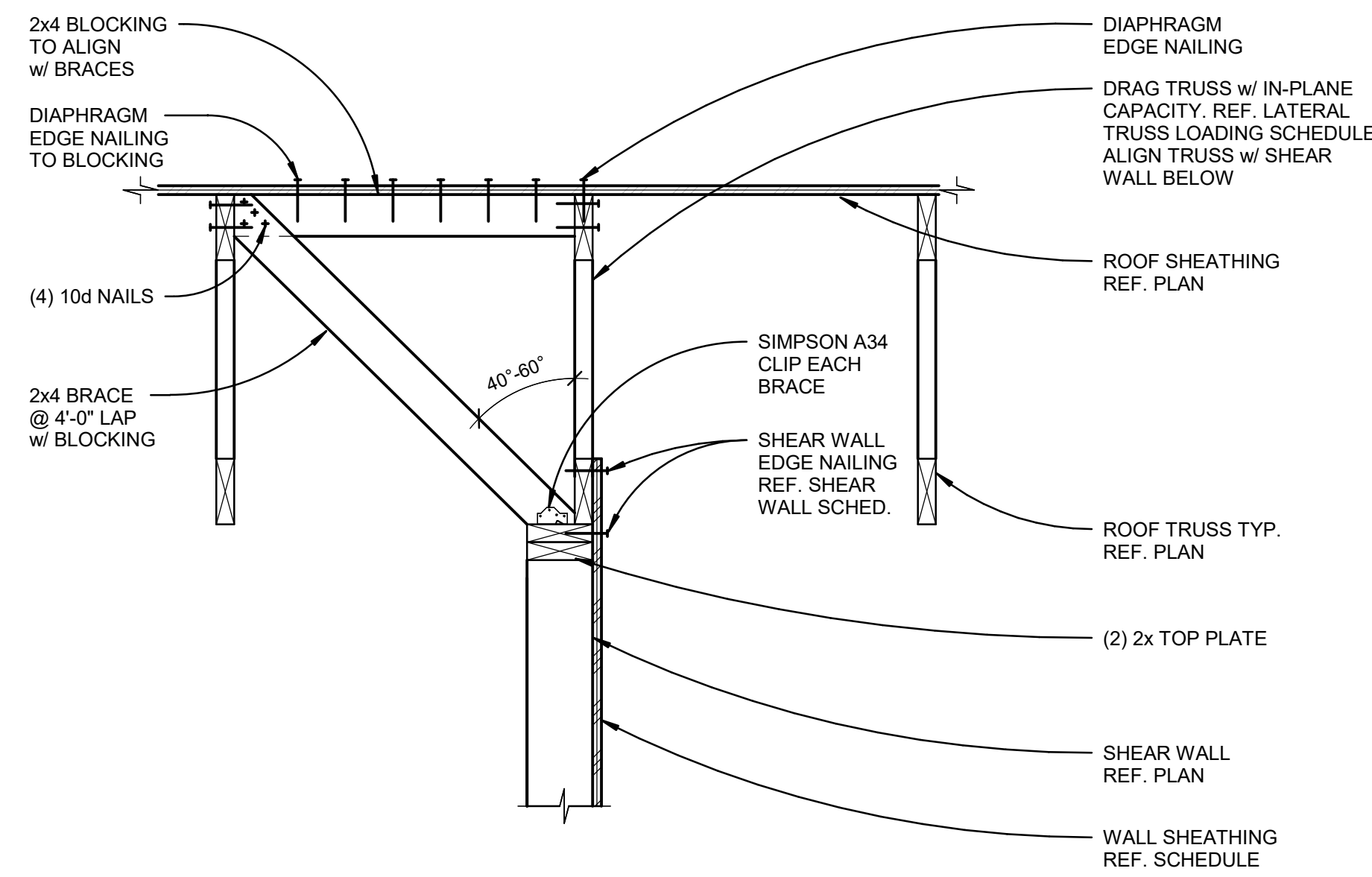
7 FRAMING AT ROOF TRANSITION
1" = 1'-0"



3 ROOF RAKE AT EXT. WALL
1" = 1'-0"

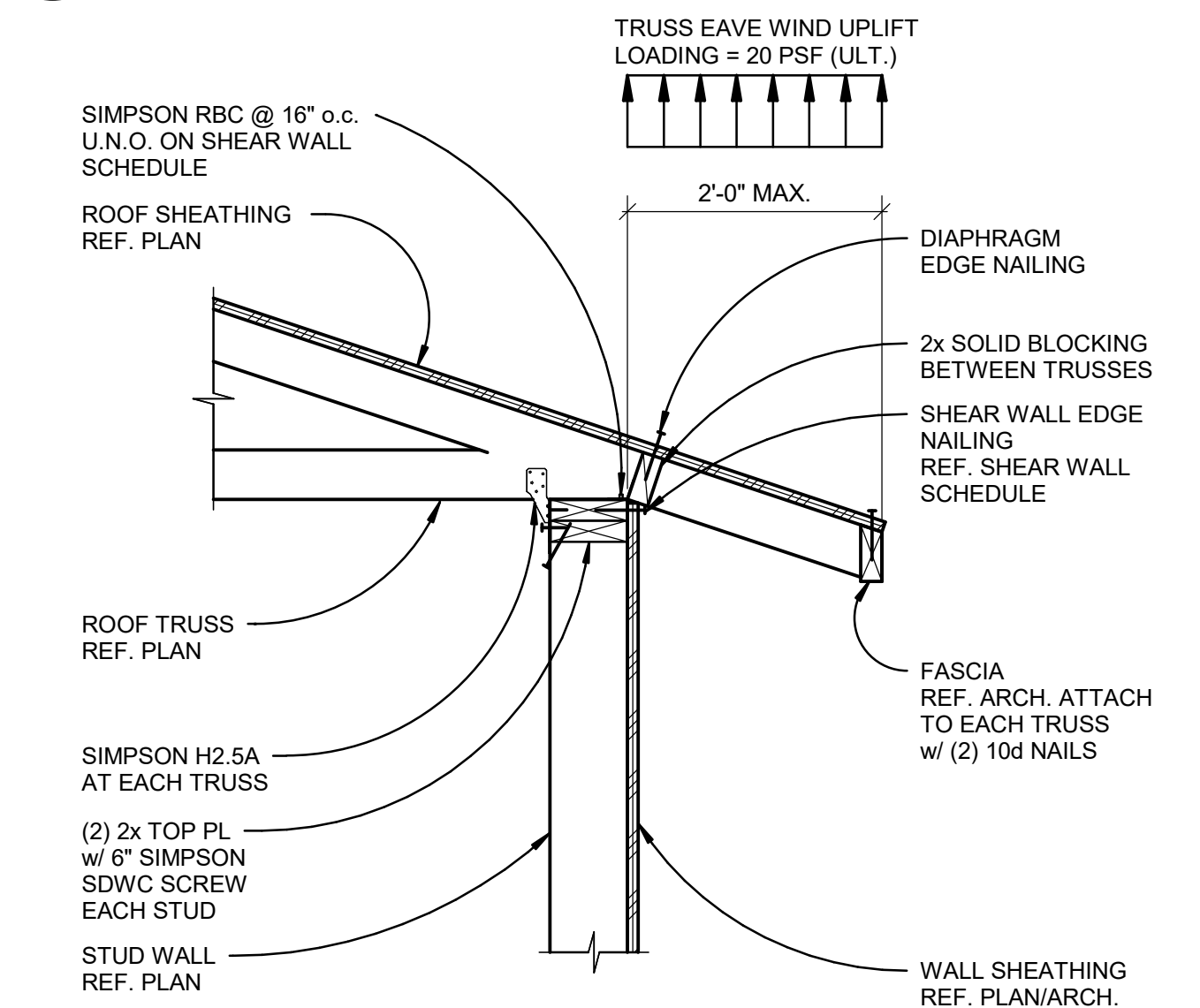


1 TRUSS AT INTERIOR SHEAR WALL
1" = 1'-0"



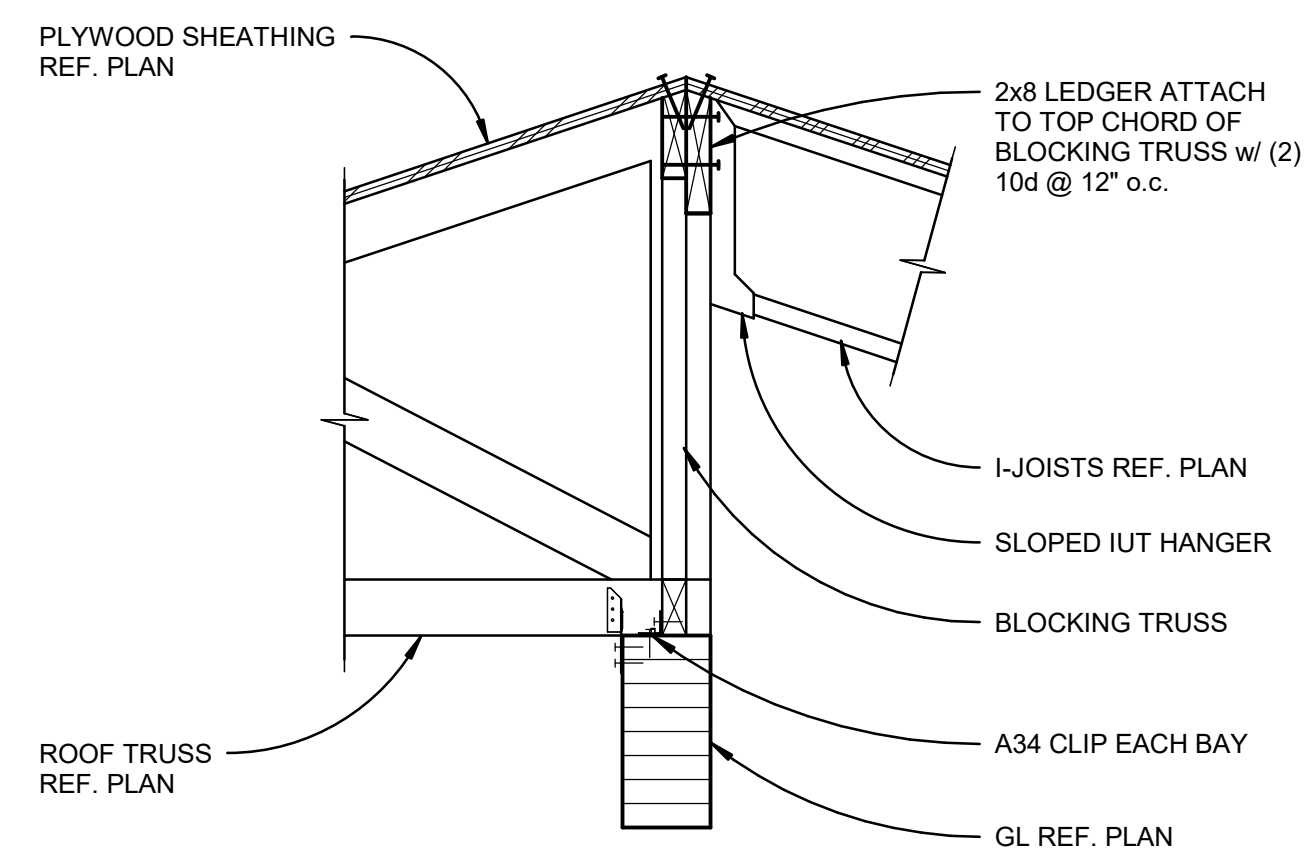
LATERAL TRUSS LOADING SCHEDULE	
WALL TYPE	LOAD (ASD)
1	X PLF
2	X PLF

4 ROOF TRUSS AT INT. SHEAR WALL AT ROOF
1" = 1'-0"

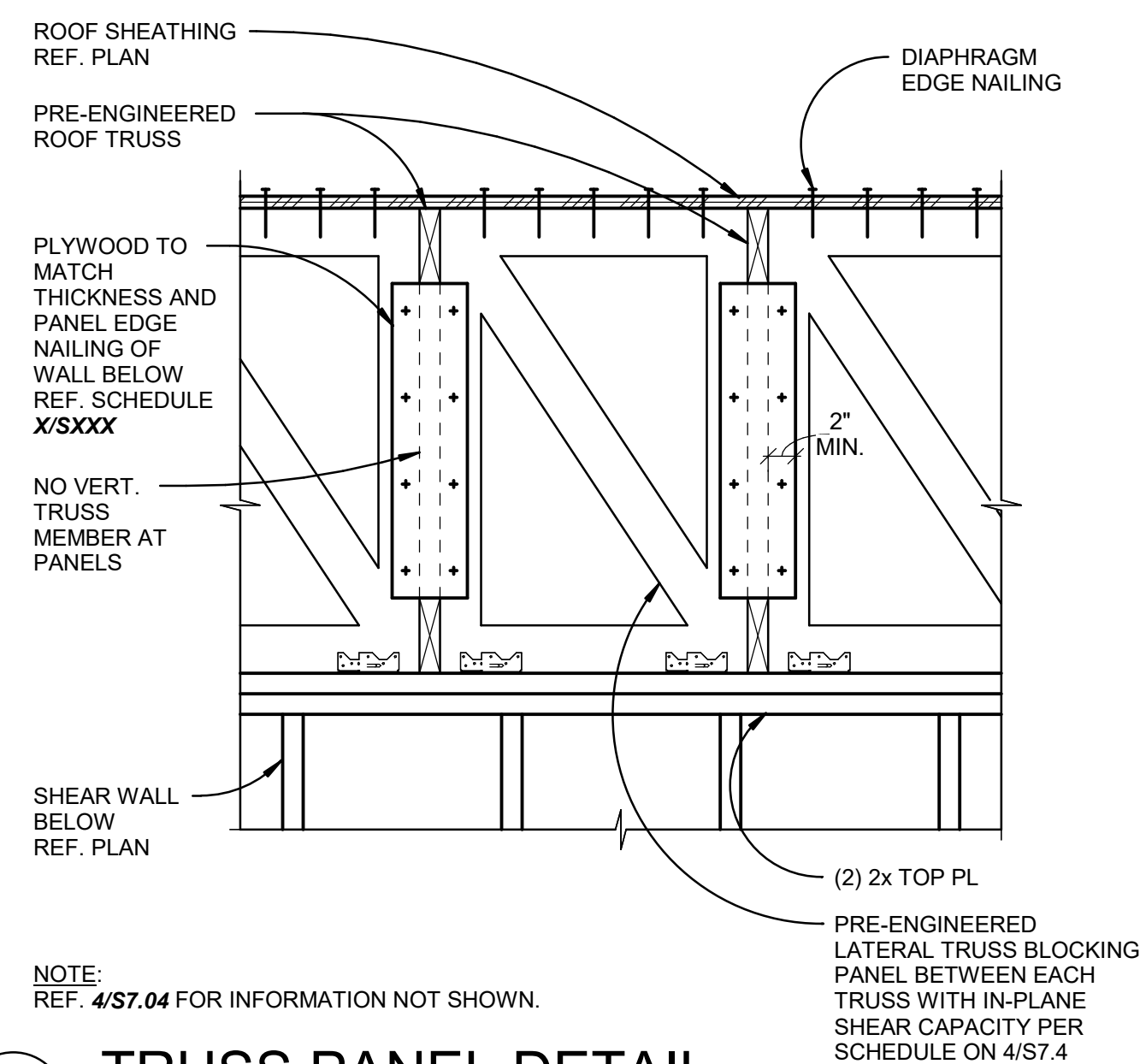


2 ROOF TRUSS AT EAVE
1" = 1'-0"

8 X
1" = 1'-0"

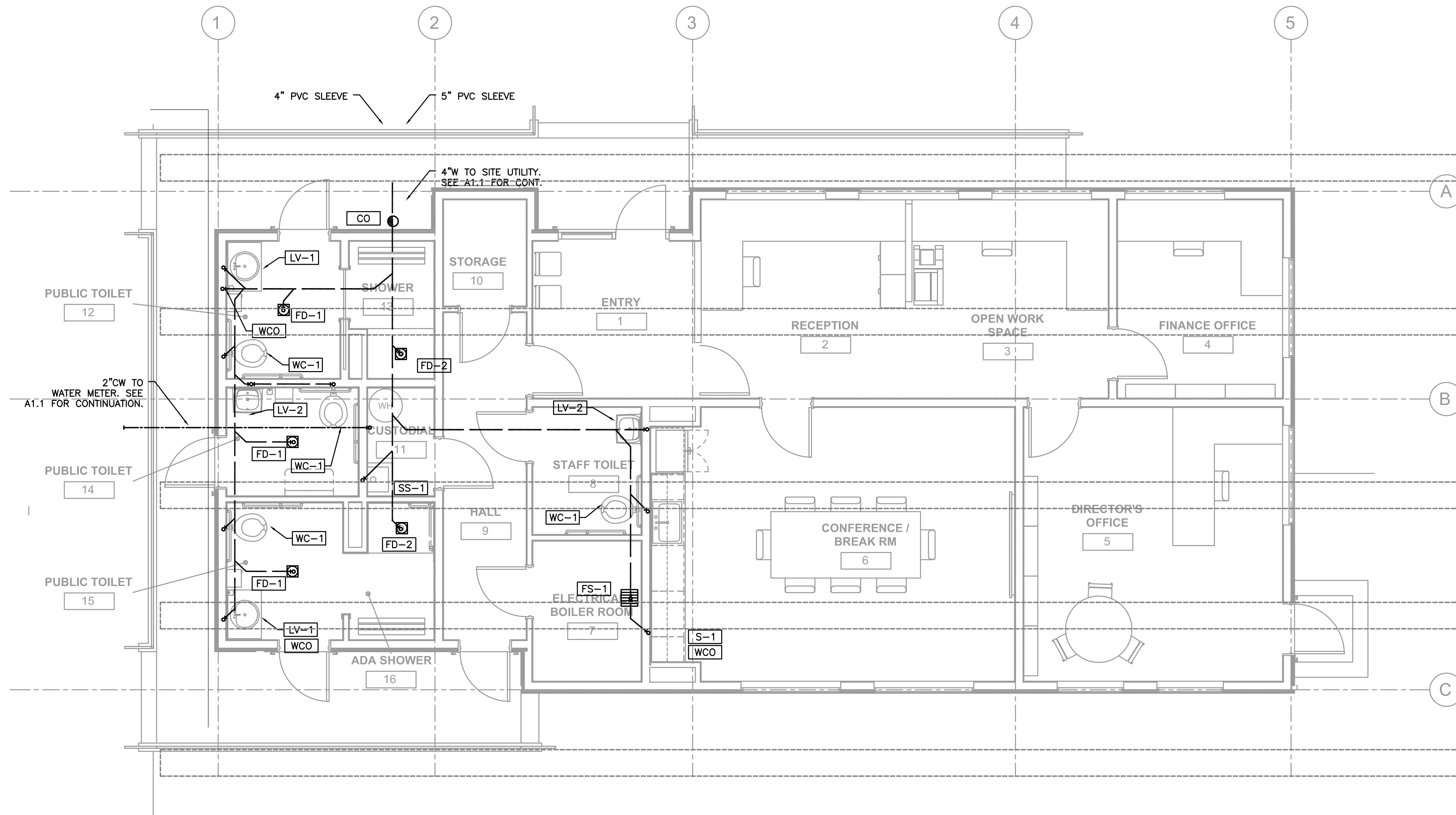


6 TRUSS/I-JOIST TO GL
1" = 1'-0"



5 TRUSS PANEL DETAIL
1" = 1'-0"

NOTE:
REF. 4/S7.04 FOR INFORMATION NOT SHOWN.



PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO.: 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN LEVEL.

#	DATE	DESCRIPTION

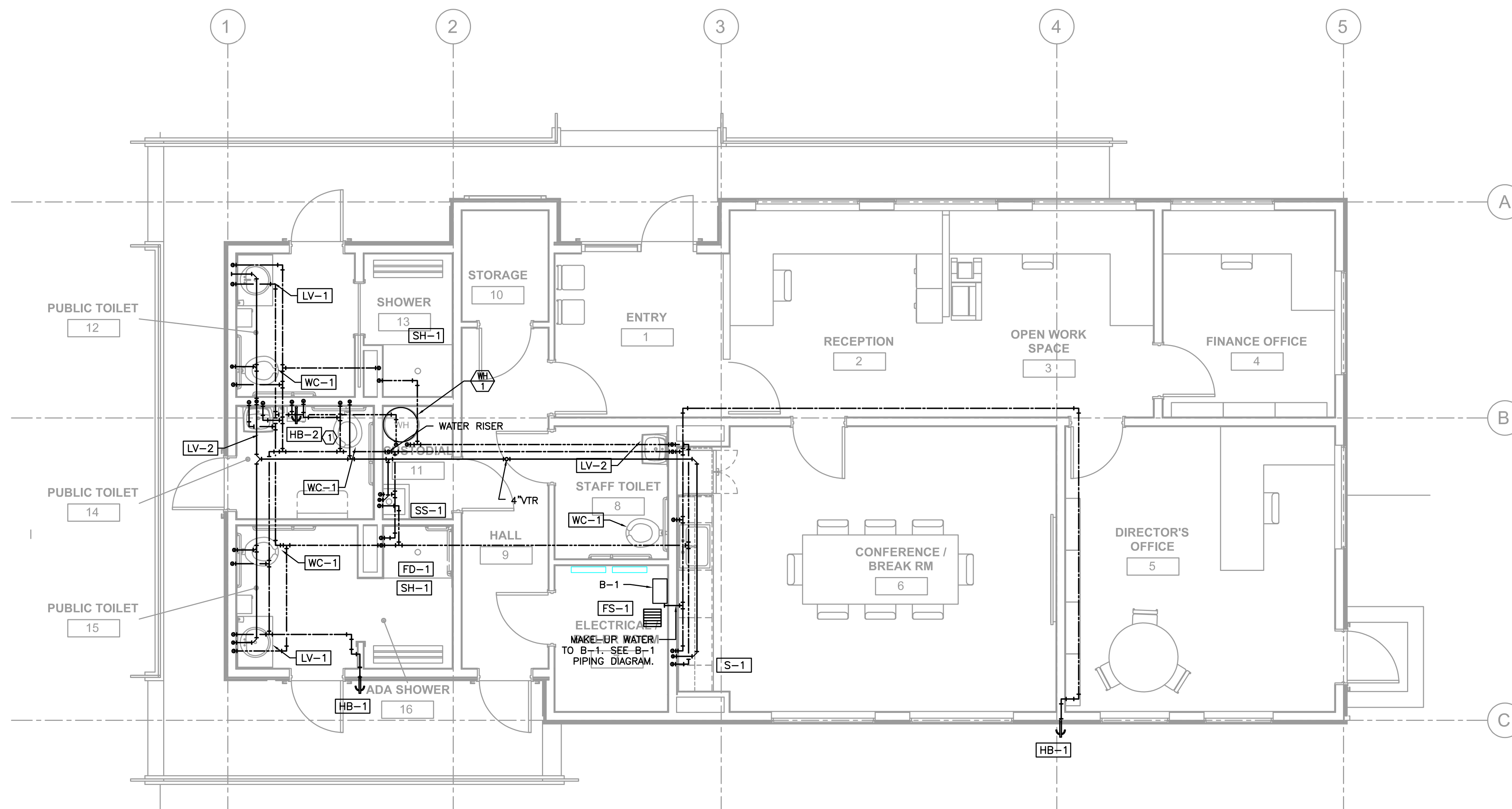
DATE: AUGUST 2023

SHEET TITLE:
**PLUMBING
UNDER FLOOR PLAN**

P1.0

1 PLUMBING UNDER FLOOR PLAN
P1.0 1/4" = 1'-0"

KEYED NOTES:
1. KEYED H & C HOSE BIB, INSTALLED BELOW PAPER TOWEL DISPENSER.
2'-10" A.F.F. TO TOP OF HOSE BIB BOX.



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HIGH DOCK BUILDING
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PORT OF BANDON HIGH DOCK
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DESIGN LEVEL.

REVISIONS:	
#	DESCRIPTION

DATE: AUGUST 2023

SHEET TITLE:
**PLUMBING
FLOOR PLAN**

P2.0

1 PLUMBING FLOOR PLAN
P2.0 1/4" = 1'-0"

PLUMBING LEGEND	
AFF	..... ABOVE FINISHED FLOOR
ARCH	..... ARCHITECTURAL
B.G.	..... BELOW GRADE
BTU	..... BRITISH THERMAL UNIT
CAP.	..... CAPACITY
C.I.	..... CAST IRON
COMP.	..... COMPARTMENT
CONT.	..... CONTINUATION
CU.	..... CUBIC
DI	..... DRINKING FOUNTAIN
DIA.	..... DIAMETER
DIA.	..... DIAMETER
ENC	..... ELEVATION
FD	..... FLOOR DRAIN
FDC	..... FIRE DEPARTMENT CONNECTION
F.F.	..... FINISH FLOOR
FLG.	..... FLANGE
FT	..... FOOT / FEET
G	..... GAS
GALV.	..... GALVANIZED
GPM	..... GALLONS PER MINUTE
G.V.	..... GATE VALVE
HP	..... HORSEPOWER
HR.	..... HOUR
IE	..... INVERT ELEVATION
KW	..... KILOWATT
LAV	..... LAVATORY
LBS	..... POUNDS
MAX.	..... MAXIMUM
MBH	..... THOUSANDS OF BTU _H PER HOUR
MIN.	..... MINIMUM
M.J.	..... MECHANICAL JOINT
N.I.M.	..... NOT IN MECHANICAL
OS&Y	..... OUTSIDE STEM & YOKE
PROT.	..... PROTECTION
PRV	..... PRESSURE REDUCING VALVE
PSI, PSIG	..... POUNDS PER SQUARE INCH
P/T	..... REQUIRED
REQ'D	..... REQUIRED
RPBP	..... REDUCED PRESSURE BACKFLOW PREVENTER
RPM	..... TYPICAL
REV.	..... REVOLUTIONS PER MINUTE
UR	..... URINAL
VTR	..... VENT THROUGH ROOF
WC	..... WATER CLOSET
---	..... (CW) COLD WATER
---	..... (HW) HOT WATER
---	..... (HWR) HOT WATER RECIRC
---	..... (HT) HOT WATER HEAT TRACED
---	..... (W) BELOW GRADE WASTE
---	..... (AW) BELOW GRADE ACID WASTE
---	..... (V) VENT
---	..... (AV) ACID VENT
---	..... (RD) RAIN DRAIN
---	..... (OD) OVERFLOW RAIN DRAIN
---	..... (FDC) FIRE DEPARTMENT CONNECTION
---	..... (A) COMPRESSED AIR
---	..... (PHW) PROCESS HOT WATER
---	..... (PCW) PROCESS COLD WATER
---	..... (V) VACUUM
---	..... (G) NATURAL GAS
---	..... (F) FIRE WATER
---	..... (GW) GREASE WASTE
Δ	..... PRESSURE/TEMP RELIEF VALVE
∩	..... BUTTERFLY VALVE
Δ	..... GAS PRESSURE REGULATING VALVE
⊕	..... TOP CONNECTION
⊖	..... BOTTOM CONNECTION
⊕	..... PIPE TURNED UP, PIPE TURNED DOWN
⊖	..... GATE VALVE
OR ⊕	..... BALL VALVE
⊕	..... BALANCING VALVE
⊖	..... CHECK VALVE
⊕	..... UNION
⊕	..... DOUBLE CHECK ASSEMBLY
X	..... EQUIPMENT MARK NUMBER
XX	..... EQUIPMENT MARK NUMBER
XXX	..... FIXTURE MARK
(E)	..... EXISTING
⊕	..... NOTE
⊕	..... CONNECT TO EXISTING
⊕	..... CAP
⊕	..... TEE
⊕	..... ELBOW
⊕	..... CLEANOUT

PLUMBING CONNECTION SCHEDULE					
MARK	FIXTURE	W	V	HW	REMARKS
WC-1	WATER CLOSET	4"	2"	1"	FLOOR MOUNT, ADA, BATTERY F.V.
LV-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2" WALL MOUNT, SEE SPECS.
S-1	SINK	2"	1-1/2"	1/2"	W/GARBAGE DISPOSAL, NOTE 1, 2
SH-1	SHOWER	2"	1-1/2"	1/2"	TILED SHOWER
SH-2	SHOWER	2"	1-1/2"	1/2"	TILED SHOWER, ADA
SS-1	JANITOR'S SINK	3"	1-1/2"	1/2"	NOTE 1, 2
FD-1	FLOOR DRAIN	3"	V.L.		J.R. SMITH 2050, NOTE 3.
FD-2	SHOER FLOOR DRAIN	2"	V.L.		J.R. SMITH 2050, NOTE 3.
FS-1	FLOOR SINK	3"	V.L.		CECO 906, NO GRATE, ENAMELED CI 12X12
DF-1	DRINKING FOUNTAIN	2"	1-1/2"	1/2"	DUAL HEIGHT/BOTTLE FILLER
RC-1	REFRIGERATOR CONNECTION	---	---	1/2"	GUY GRAY BM 875
CO	CLEAN OUT	*	---	---	CLEAN OUT

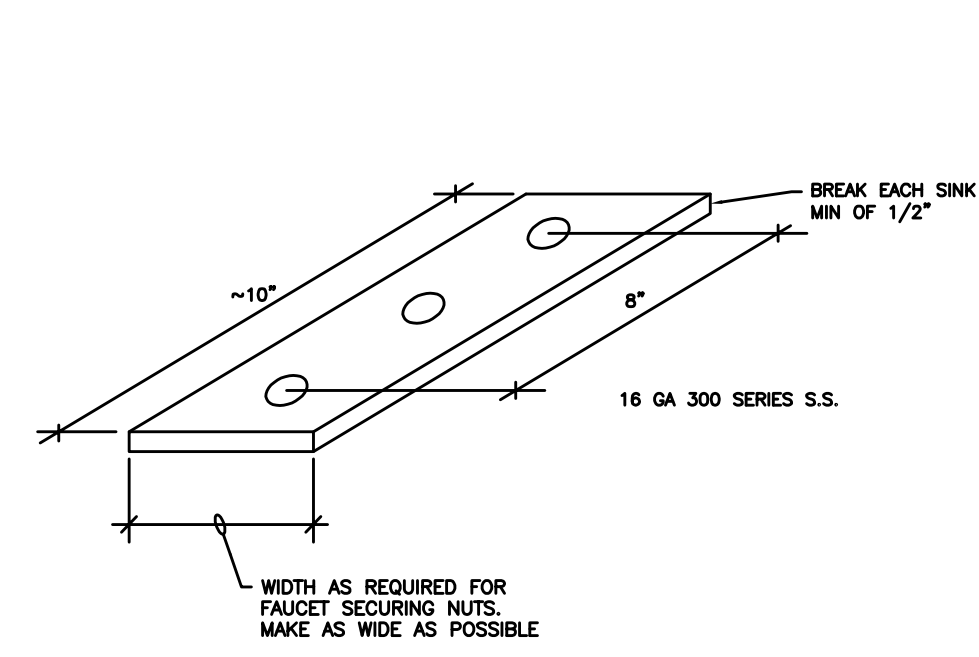
ELECTRIC WATER HEATERS	
MARK NUMBER	WH
	41
FUEL	ELECTRIC
CAPACITY (GAL)	55 GAL
KW	10 KW
RECOVERY CAP. @ 100F TR (GPH)	41
ELECTRICAL (V/PH)	208/1
DESIGN WEIGHT (LBS)	950
BASIS OF DESIGN: BRADFORD WHITE	LE 255T3-3

SUMP PUMP	
MARK NUMBER	SP
	1
SYSTEM	ELEVATOR
TYPE	SUMP
FLOW RATE (GPM)	50
HEAD (FT H2O)	15
MOTOR (HP)	1/2 HP
POWER (V/PH)	120/1

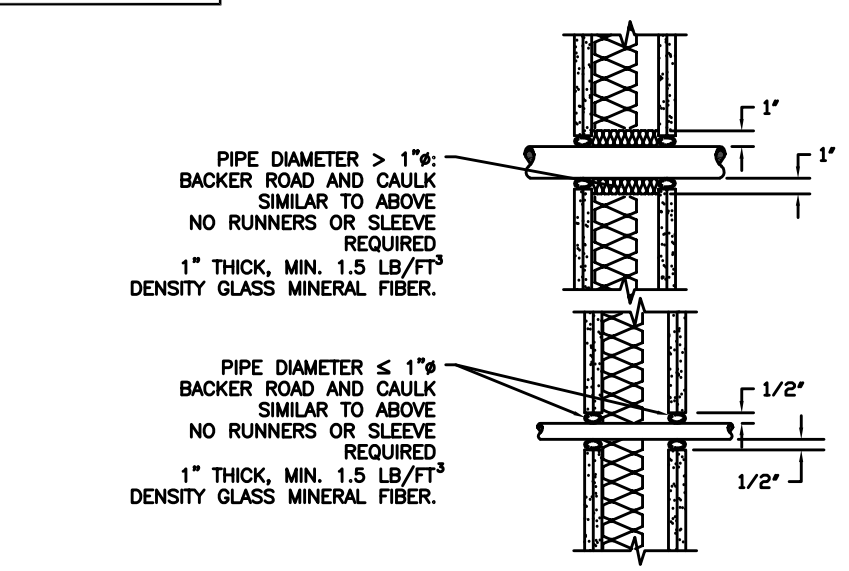
DOMESTIC HW RECIRC PUMPS	
MARK NUMBER	RP
	1
SERVICE	PHW RECIRC
TYPE	CIRC
CONTROLLED BY	AQUASTAT
ARRANGEMENT	IN-LINE
FLOW RATE (GPM)	1.25
HEAD (FT)	12
MOTOR HP	90 WATTS
POWER (V/PH)	120/1
RPM	3600RPM
DESIGN WEIGHT (LBS)	6 LBS

*SEE PLAN FOR SIZE
 NOTES:
 1. PROVIDE W/ WALL CLEAN-OUT BELOW EACH SINK.
 2. SEE 1/P6.0 FOR DETAIL.
 3. SURFACE MEMBRANE CLAMPING STYLE FLOOR DRAIN, PER FLOORING MANUFACTURER. EQUAL MIFAB OR WATTS APPROVED. INSTALL PER FLOORING MANUFACTURER'S INSTALLATION GUIDE.

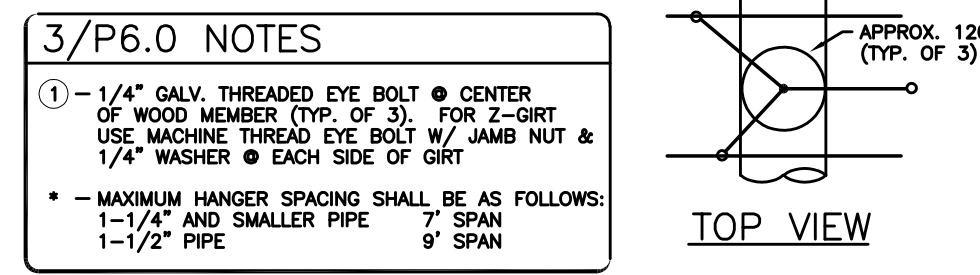
PLUMBING CALCULATIONS - 2019 Opsc		DOMESTIC WATER SERVICE				SANITARY WASTE SERVICE	
FIXTURE TYPE	NUMBER OF FIXTURES	WATER UNITS	TOTAL WSFU	TOTAL CW FIXTURE UNITS	TOTAL HW FIXTURE UNITS	DRAINAGE UNITS	TOTAL DFLU
DRINKING FOUNTAIN / WATER COOLER (GENERAL USE)	1	0.5	0.5	0.5	0	0.5	0.5
KITCHEN SINK (GRINDER & DISHWASHER)	1	3	3	2.25	2.25	2	2
LAVATORY (SINGLE)	5	1	5	3.75	3.75	1	5
MOP BASIN	2	3	6	4.5	4.5	3	6
RECEPTOR (ELEVATOR WASTE)	1	0	0	0	0	100	100
RECEPTOR (INDIRECT WASTE)	2	---	---	---	---	1	2
WATER CLOSET (1.6 GPF TANK-GENERAL)	5	2.5	12.5	12.5	0	4	20
HOSE BIBB (FIRST ONE)	1	2.5	2.5	2.5	0	---	0
	0	0	0	0	0	---	0
TOTAL	18	29.5	26	10.5			135.5
		Water Demand	20 GPM			Waste Pipe Size	4"
		CW Main Size	1-1/4"				



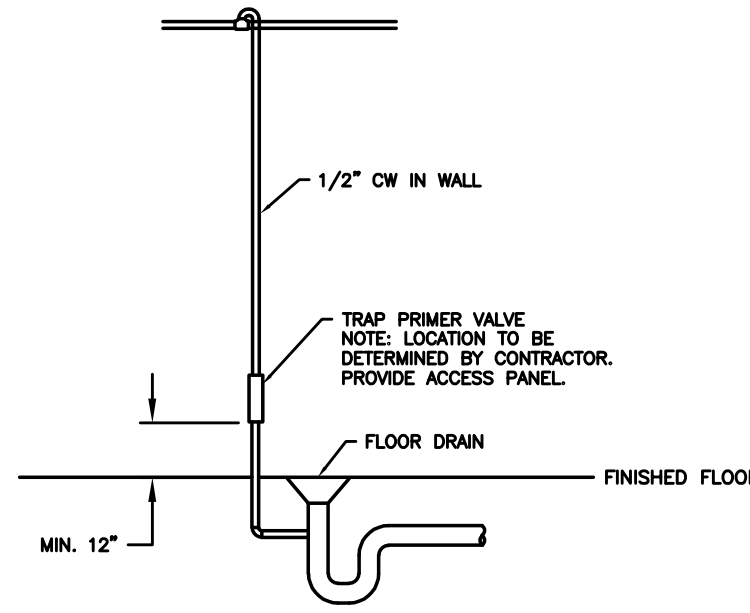
1 SINK REINFORCEMENT
 SCALE: DETAIL



2 ACCOUSTICAL DUCT PENETRATION
 SCALE: DETAIL



3 NON-SEISMIC PIPE SUPPORT
 SCALE: DETAIL



4 TRAP PRIMER
 NOT TO SCALE

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 CONSTRUCTION

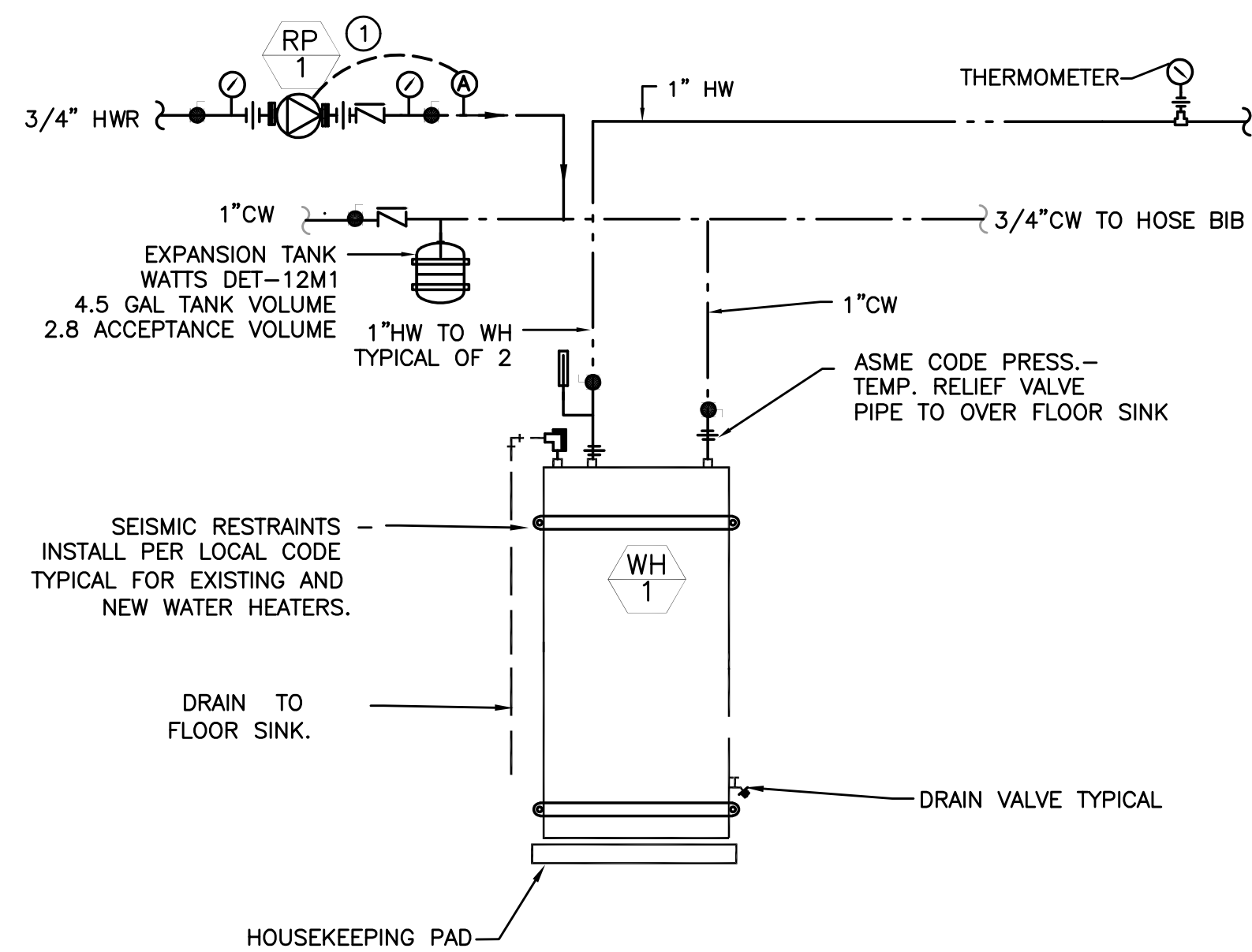
PROJECT NO.: 22.01
HIGH DOCK BUILDING
 PORT OF BANDON
 PORT OF BANDON HIGH DOCK
 BANDON, OREGON

DESIGN LEVEL.	
REVISIONS:	
#	DATE DESCRIPTION

DATE: AUGUST 2023

SHEET TITLE:
**PLUMBING LEGEND,
 DETAILS AND
 SCHEDULES**

P6.0



NOTES

- ① PROVIDE 7-DAY PROGRAMMABLE ELECTRONIC TIMECLOCK CONTROL TO START/STOP PUMP PER BUILDING OCCUPIED SCHEDULE.

1 WATER HEATER (WH-1) DETAIL
 P6.1 SCALE: DETAIL

PRELIMINARY
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HIGH DOCK BUILDING
 PORT OF BANDON
 PORT OF BANDON HIGH DOCK
 BANDON, OREGON

DESIGN LEVEL.

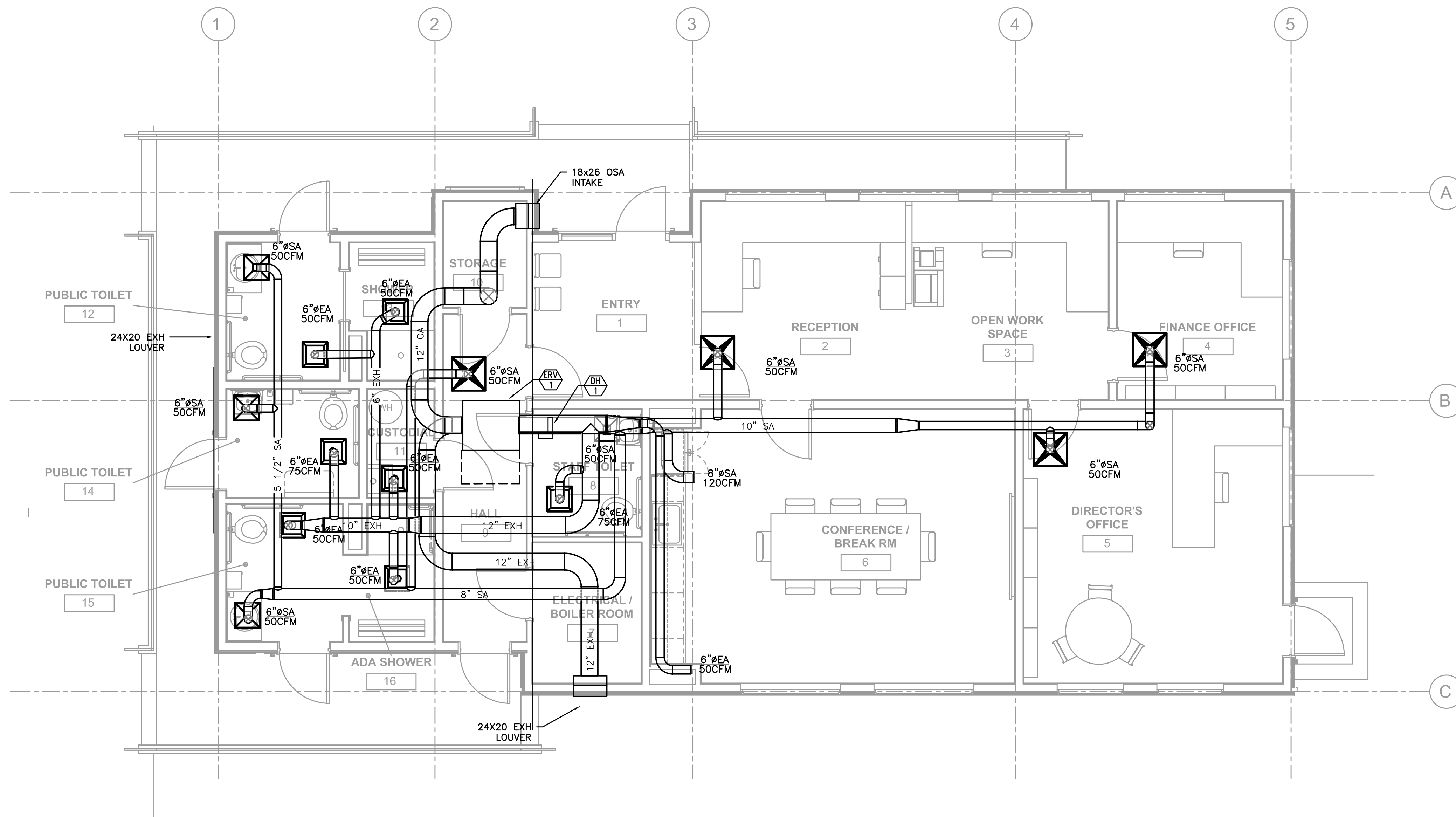
REVISIONS:

#	DATE	DESCRIPTION

DATE: AUGUST 2023

SHEET TITLE:
**PLUMBING
 DETAILS**

P6.1



1 MECHANICAL FLOOR PLAN
M2.0 1/4" = 1'-0"

PRELIMINARY
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HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

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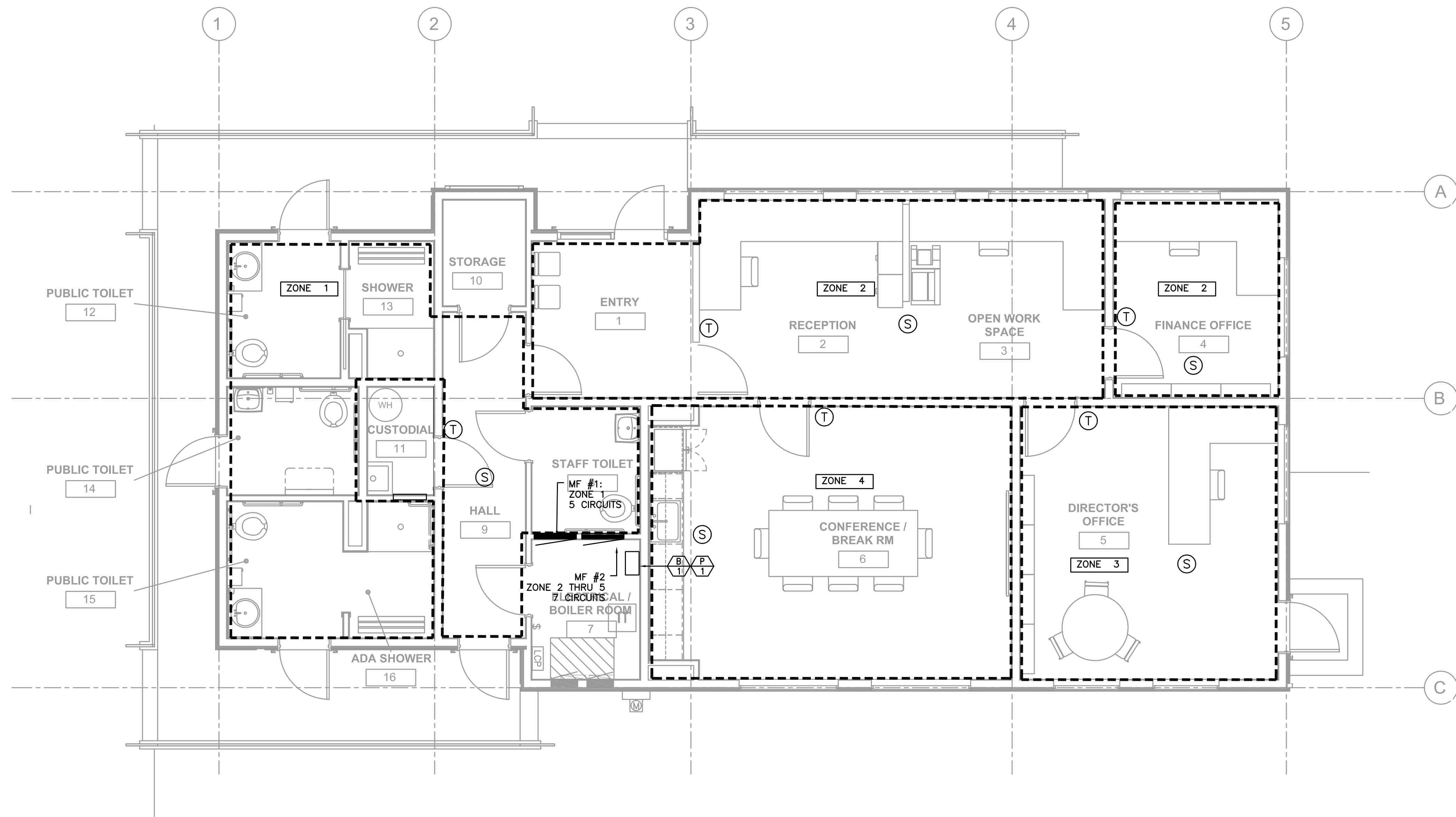
REVISIONS:	
#	DESCRIPTION

DATE: AUGUST 2023

SHEET TITLE:
MECHANICAL FLOOR PLAN

M2.0

PRELIMINARY
NOT FOR
CONSTRUCTION



1 MECHANICAL RADIANT FLOOR PLAN
M3.0 1/4" = 1'-0"

PROJECT NO.: 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
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DESIGN LEVEL.

#	DATE	DESCRIPTION

DATE: AUGUST 2023

SHEET TITLE:
MECHANICAL RADIANT FLOOR PLAN

M3.0

MECHANICAL LEGEND

	SUPPLY AIR DIFFUSER	AFH	ABOVE FINISH FLOOR
	RETURN AIR GRILLE	AHU	AIR HANDLING UNIT
	EXHAUST AIR GRILLE	B.D.	BOTTOM OF DUCT
	PERFORATED RETURN AIR PANEL	BHP	BRAKE HORSEPOWER
	DIRECTIONAL AIR FLOW	BTU	BRITISH THERMAL UNITS
	MANUAL VOLUME DAMPER	CFM	CUBIC FEET PER MINUTE
	SUPPLY OR OUTSIDE AIR DUCT UP & DOWN	CONN.	CONNECTION
	RETURN AIR DUCT UP & DOWN	CONT.	CONTINUATION
	EXHAUST AIR DUCT UP & DOWN	CW	DOMESTIC COLD WATER
	SUPPLY OR OUTSIDE AIR DUCT UP & DOWN	DB	DRY BULB
	RETURN AIR DUCT UP & DOWN	DIA.	DIAMETER
	EXHAUST AIR DUCT UP & DOWN	DIST.	DISTRIBUTION
	VAV TERMINAL UNIT	EA	EXHAUST AIR
	WT TERMINAL UNIT	EDB	ENTERING DRY BULB TEMPERATURE
	EXISTING	EWB	ENTERING WET BULB TEMPERATURE
	CONNECT TO EXISTING	EWT	ENTERING WATER TEMPERATURE
	THERMOSTAT OR TEMP. SENSOR	FF	FINISH FLOOR
	NOTE	FIXT.	FIXTURE
	EQUIPMENT DESIGNATOR	FPM	FEET PER MINUTE
	BALL VALVE	FPS	FEET PER SECOND
	GATE VALVE	FT.	FEET / FOOT
	CHECK VALVE	GA.	GAUGE
	BALANCING VALVE	GPM	GALLONS PER MINUTE
	THERMOMETER	H	HEIGHT
	DIRECTION OF FLOW	HP	HORSEPOWER
	PUMP	I.D.	INSIDE DIAMETER
	STRAINER	IN.	INCHES
	PRESSURE GAUGE	L	LENGTH
	PETE'S PLUG	LBS.	POUNDS
	DOUBLE CHECK ASSEMBLY	LDB	LEAVING DRY BULB
	PRESSURE REDUCING VALVE	LWB	LEAVING WET BULB
	UNION	LWT	LEAVING WATER TEMPERATURE
	2-WAY CONTROL VALVE	MAX.	MAXIMUM
	3-WAY CONTROL VALVE	MBH	THOUSANDS OF BTUs PER HOUR
	CAP	MIN.	MINIMUM
	SMOKE DETECTOR	NC	NOISE CRITERIA
	MOTORIZED DAMPER	N.C.	NORMALLY CLOSED
		N.I.M.	NOT IN MECHANICAL
		NO.	NUMBER
		N.O.	NORMALLY OPEN
		O.A.	OUTSIDE AIR
		P	PERSON
		PSI	POUNDS PER SQUARE INCH
		P/T	PRESSURE / TEMPERATURE
		R.A.	RETURN AIR
		RECT.	RECTANGULAR
		REQ'D	REQUIRED
		S.A.	SUPPLY AIR
		S.P.	STATIC PRESSURE
		SQ.	SQUARE
		TEMP.	TEMPERATURE
		TYP.	TYPICAL
		VAV	VARIABLE AIR VOLUME
		W	WIDTH
		WB	WET BULB
		WPD	WATER PRESSURE DROP
		Ø	DIAMETER
			(E) EXISTING
			(D) DEMOLISH
			NEW WORK
			HWS (HWS) HEATING WATER SUPPLY
			HWR (HWR) HEATING WATER RETURN
			FIRE DAMPER
			FIRE / SMOKE DAMPER
			SMOKE DAMPER
			SEISMIC BRACING
			LATERAL BRACING
			LONGITUDINAL BRACING
			LONGITUDINAL & LATERAL BRACING

MECHANICAL GENERAL NOTES

- THE DRAWINGS ARE DIAGRAMMATIC. PROVIDE ALL MATERIAL (NEW AND UNMATERIALIZED) AND LABOR FOR A COMPLETE AND OPERABLE SYSTEM. VERIFY ALL BUILDING MEASUREMENTS DIMENSIONS AND EQUIPMENT LOCATIONS BEFORE PROCEEDING WITH ANY OF THE WORK.
- REFER TO THE MECHANICAL SPECIFICATIONS FOR MATERIALS, EQUIPMENT, AND ADDITIONAL CONSTRUCTION INSTRUCTIONS NOT COVERED BY THESE PLANS.
- ALL INSTALLATIONS SHALL COMPLY WITH APPLICABLE FEDERAL AND STATE CODES INCLUDING, 2022 OREGON STRUCTURAL SPECIALTY CODE (OSSC) INCLUDING APPENDIX N FOR OREGON FIRE CODE REGULATIONS, 2021 OREGON PLUMBING SPECIALTY CODE (OPSC), 2022 OREGON MECHANICAL SPECIALTY CODE (OMSC), 2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEEESC), ASHRAE STANDARD 170-2021 AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). WHERE TWO CODES DIFFER THE MORE STRICT OF THE TWO SHALL BE FOLLOWED.
- OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES HAVING JURISDICTION. SUBMIT ALL CERTIFICATES PRIOR TO ACCEPTANCE.
- COORDINATE WITH OTHER CRAFTS AS REQUIRED TO COMPLETE WORK IN ACCORDANCE WITH CONSTRUCTION SCHEDULE.
- PROVIDE OWNER INSTRUCTION BY QUALIFIED PERSONNEL ON EQUIPMENT AND SYSTEMS AT OWNER'S REQUEST.
- AIR BALANCE DIFFUSERS AND GRILLES TO THE CFM INDICATED ON FLOOR PLANS. SEE SPECS FOR REQUIREMENTS. TESTING AND BALANCING SHALL BE IN ACCORDANCE WITH OWNER GUIDELINES. SUBMIT TAB REPORT FOR ENGINEER'S REVIEW AND APPROVAL.
- PROVIDE MANUAL BALANCING DAMPERS ON BRANCH DUCTS SERVING DIFFUSERS AND GRILLES.
- INSULATE SUPPLY AIR, OUTSIDE AIR AND RETURN AIR DUCTWORK OR INTERNALLY LINE SUPPLY AIR AND RETURN AIR DUCTWORK AS SHOWN ON PLANS AND PER MECHANICAL SPECIFICATIONS.
- MANUFACTURERS AND MODEL NUMBERS LISTED IN THE EQUIPMENT SCHEDULES ARE THE BASIS OF DESIGN.
- CUT WALLS FOR PROPER EQUIPMENT, DUCT OR PIPE INSTALLATION. FILL HOLES WHICH ARE CUT OVERSIZED FOR A TIGHT FIT AROUND OBJECTS PASSING THROUGH. PATCH AND SEAL FINISHES TO MATCH NEW OR EXISTING FINISHES.
- INSTALL LABELS ON ALL MECHANICAL EQUIPMENT.
- CONTROLS AND WIRING SHALL MEET ALL ELECTRICAL REQUIREMENTS OF APPLICABLE ELECTRICAL SPECIFICATIONS AND REQUIREMENTS OF OWNER, BUILDING OFFICIALS AND EQUIPMENT SUPPLIERS OF EQUIPMENT INSTALLED ON PROJECT.
- ELECTRIC MOTORS SHALL HAVE BUILT-IN THERMAL OVERLOAD PROTECTION OR BE PROTECTED EXTERNALLY WITH SEPARATE THERMAL OVERLOAD DEVICES, WITH LOW-VOLTAGE RELEASE OR LOCK OUT AS REQUIRED.
- ALL NEW EQUIPMENT, PIPING, CONDUIT, AND DUCTWORK SHALL BE INSTALLED PER CURRENT OREGON SEISMIC CODE REQUIREMENTS.
- PROVIDE LOW LEAK AUTOMATIC DAMPERS ON OUTSIDE AIR, EXHAUST AIR AND RELIEF AIR CONTROL DAMPERS WHERE THESE ARE INDICATED.
- PROVIDE STAFF TRAINING, OPERATION AND MAINTENANCE MANUALS AND RECORD DRAWINGS IN ACCORDANCE WITH SPECS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

BOILER

MARK NUMBER	B	NOTES
TYPE	WALL HUNG	
FUEL	ELECTRIC	
KW INPUT	11.3 KW	
ENTERING WATER TEMP. (DEG. F.)		
LEAVING WATER TEMP. (DEG. F.)		
MIN. FLOW RATE (GPM)	2	
DESIGN FLOW RATE (GPM)	350	
PRESS DROP (FT. H2O)		
VENT DIA. (IN.)		
VOLTAGE/PH/A	208/1/54.1A	
OPERATING WEIGHT (LBS)	80	
BASIS OF DESIGN: ELECTRO INDUSTRIES	EB-MS-15	

NOTES:
1
2
3

PUMP SCHEDULES

MARK NUMBER	P	NOTES
SERVICES	RADIANT FLOOR	
TYPE		
FLOW RATE (GPM)		
HEAD (FT)		
MOTOR HP	3/4	
RPM		
EFFICIENCY		
SHAFT GROUNDING		
VFD / EC MOTOR		
POLYPROPYLENE GLYCOL (%)		
VOLTAGE/PH	120/1	
DESIGN WEIGHT (LBS)		
BASIS OF DESIGN:		

NOTES:
1
2
3

ELECTRIC DUCT HEATERS

MARK NUMBER	DH
SERVICE	ERV-1
TYPE	DUCT MOUNT
OUTPUT (120V/1)	2 KW
CONTROL	DAT SENSOR
DISCHARGE AIR TEMP SET POINT	68F
ELECTRICAL (V/PH)	208/1
AMPS	9.62A

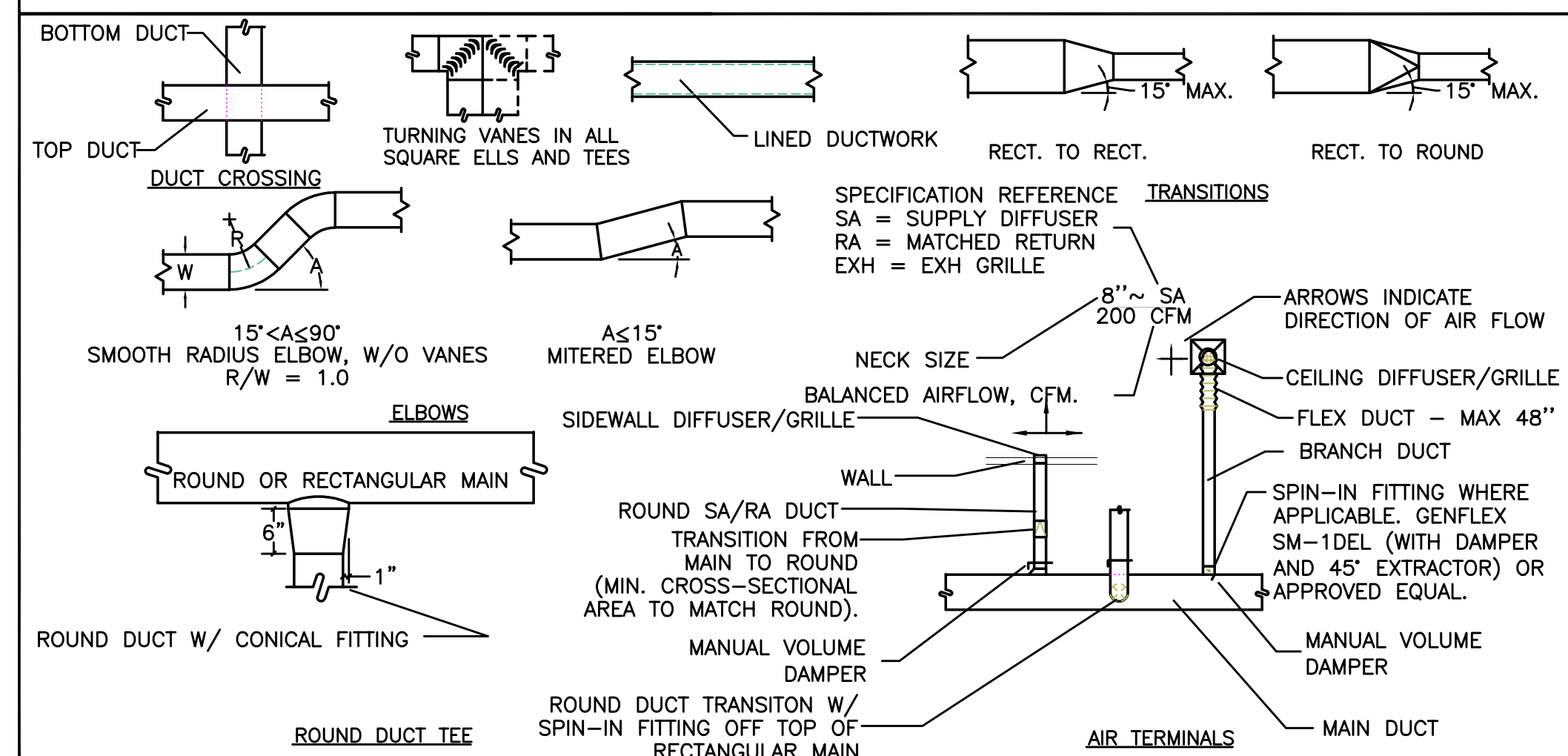
NOTES:
1
2
3

ENERGY RECOVERY UNIT SCHEDULE

MARK NUMBER	ERV
CLIMATE ZONE	4C
LOCATION	1ST FLOOR
S TOTAL CFM	520
U EXTERNAL SP. ("H2O)	0.7"
P DISCHARGE DIRECTION	HORIZONTAL
P	
L	
Y FILTER	1" MERV 8
SMOKE DETECTOR	N
E TOTAL CFM	450
X EXTERNAL SP. ("H2O)	0.7"
A DISCHARGE DIRECTION	HORIZONTAL
U	
S FILTER	1" MERV 8
T SMOKE DETECTOR	N
H SUMMER OSA (" F DB/WB)	70/62
E SUMMER RA (" F DB/WB)	75/62
A SUMMER LAT (" F DB/WB)	73.5/62.6
T Total efficiency	Note 3
E WINTER OSA (" F DB/WB)	30.9/28
X WINTER RA (" F DB/WB)	70/58
C WINTER LAT (" F DB/WB)	58.4/48.5
H Total Efficiency %	62.30%
E POWER	208/1
L FLA (amps)	6.3A
E	
C	
T	
ISOLATION TYPE	SPRING
OPERATING WEIGHT (LBS)	285
BASIS OF DESIGN: AMERICAN ALDES	F1100L-FI-EC

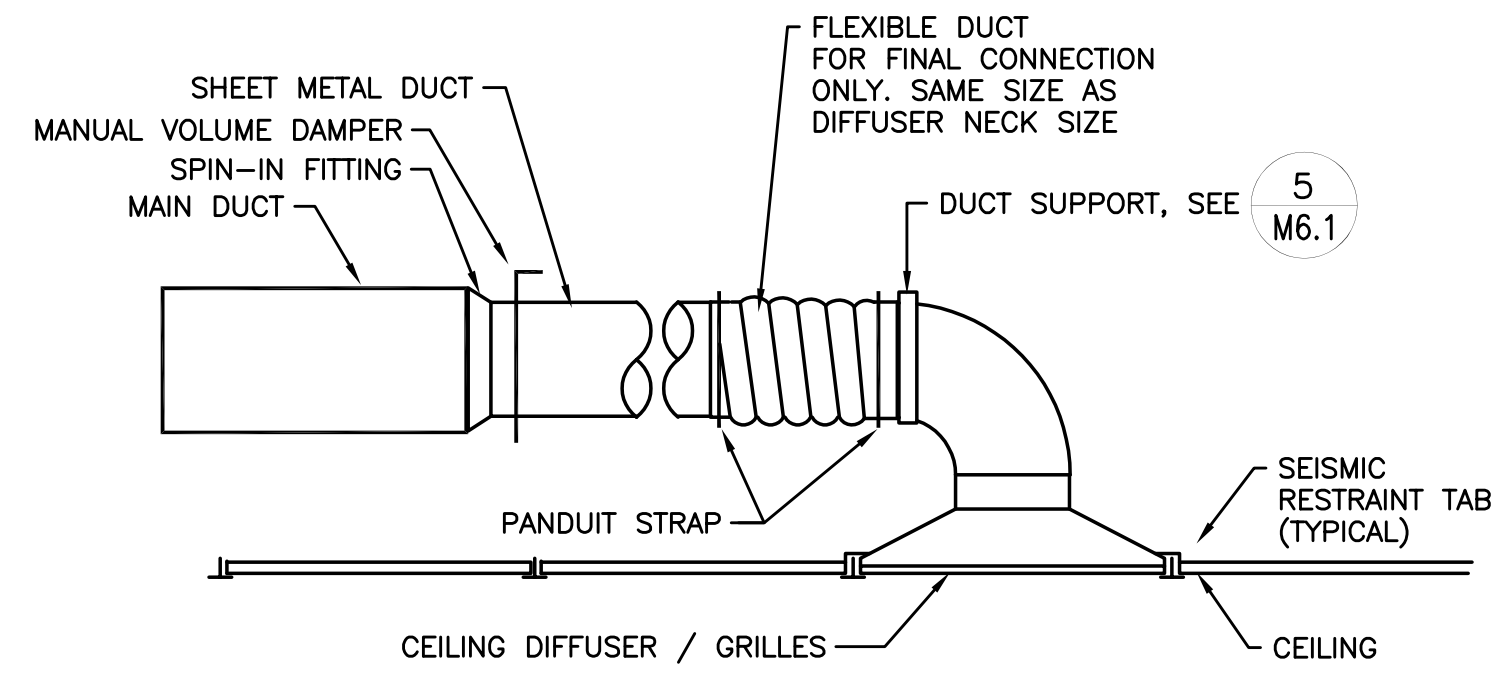
NOTES:
1 PROVIDE DUCT HEATERS IN THE DISCHARGE DUCT, SEE DUCT HEATER SCHEDULE.

AIR DISTRIBUTION DETAILS

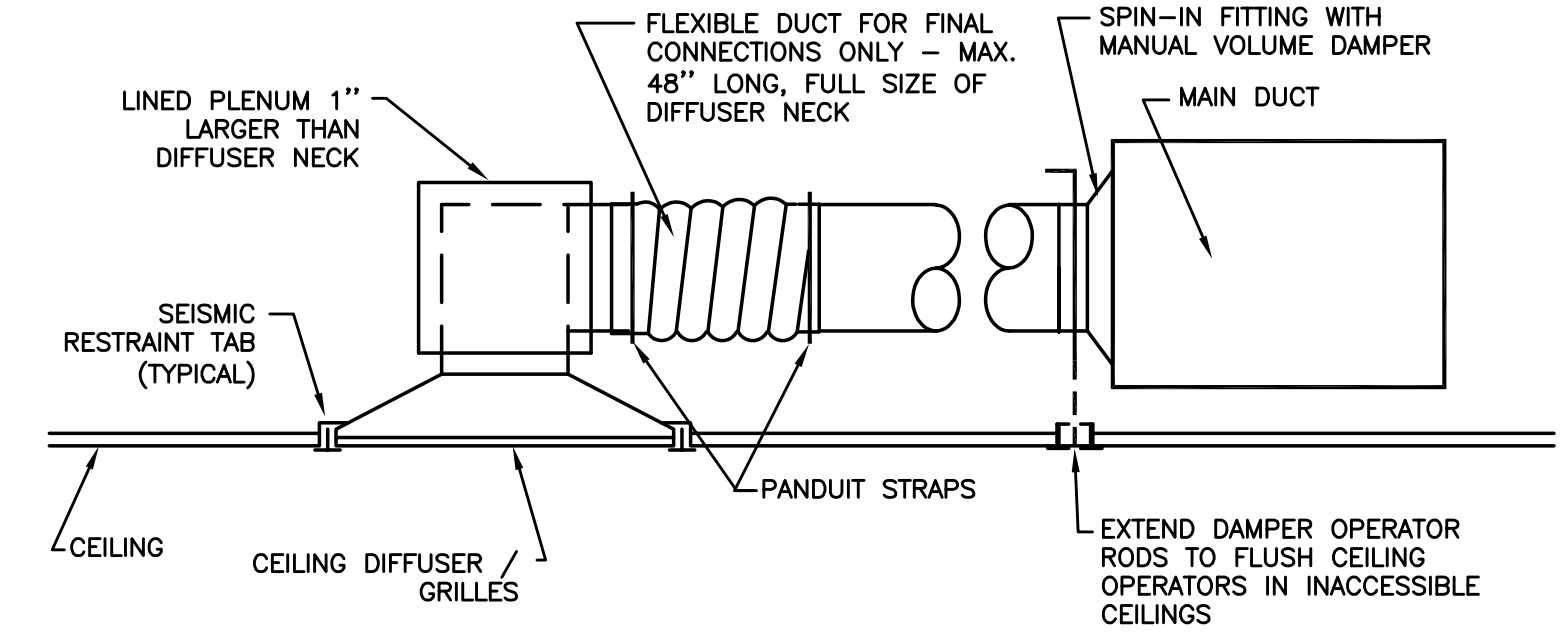


VENTILATION AIR SCHEDULE - ERV-1

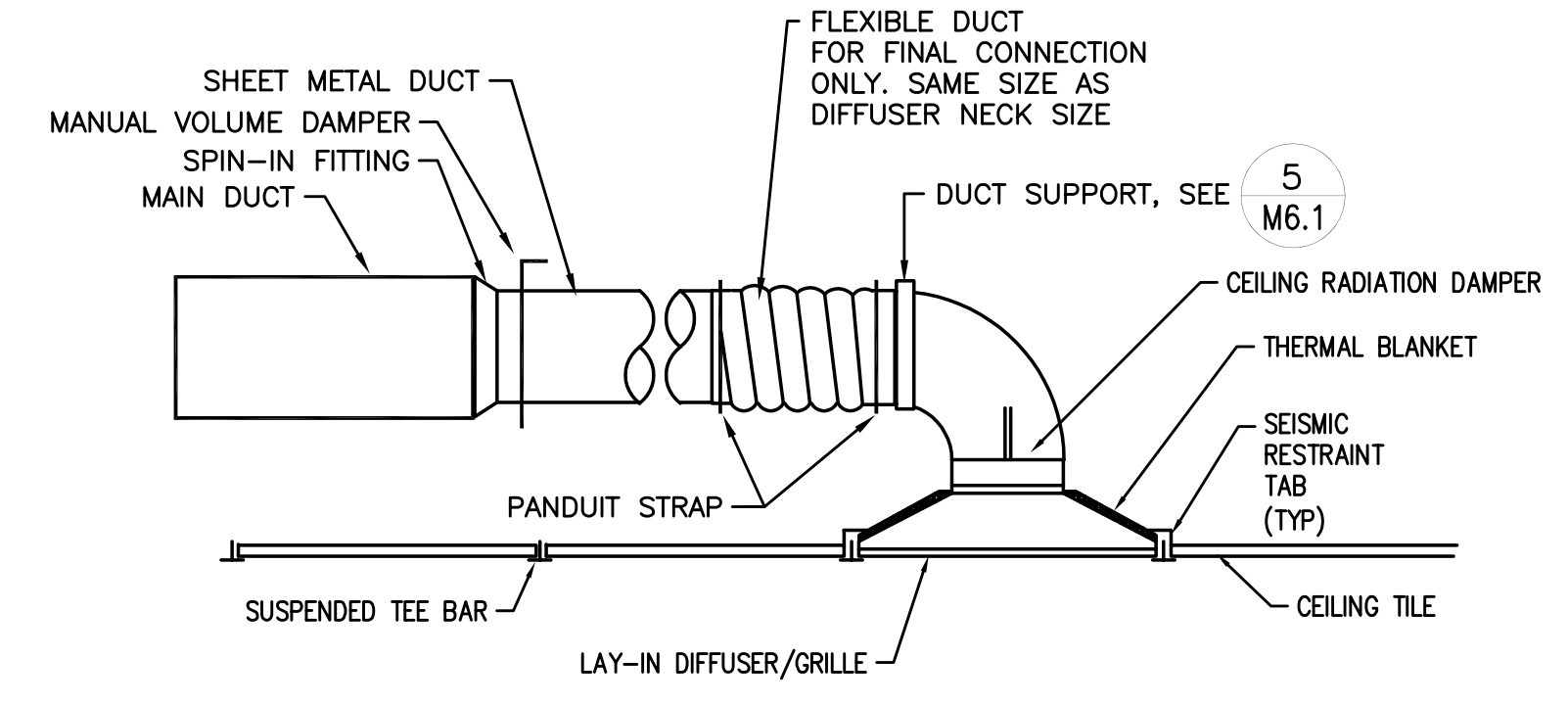
ROOM NUMBER AND NAME	AREA (SQ. FT.)	OCCUPANT LOAD (#/1000 SQ. FT.)	NUMBER OF OCCUPANTS	OUTSIDE AIR REQUIREMENT (CFM/P)	OUTSIDE AIR REQUIREMENT (CFM/SQ. FT.)	OUTSIDE AIR REQUIRED (CFM)	DESIGN OUTSIDE AIRE (CFM)	ZONE OSA (CFM)	DESIGN OUTSIDE AIR (CFM)	DESIGN EXHAUST AIR (CFM)
	Az		Pz	Rp	Ra	Vbz	Ez	Voz	Vpz	
FINANCE OFFICE 4	122	5	1	5	0.06	12	1.0	12	50	0
OPEN WORK 2/RECEPTION 3	290	5	2	5	0.06	27	1.0	27	50	0
DIRECTOR'S OFFICE 5	255	5	2	5	0.06	25	1.0	25	50	0
CONFERENCE/BREAK ROOM 6	366	50	19	5	0.06	117	1.0	117	120	50
STAFF TOILET 8	50	0	0	0	0	0	1.0	0	50	75
PUBLIC TOILET 12	50	0	0	0	0	0	1.0	0	50	100
PUBLIC TOILET 14	50	0	0	0	0	0	1.0	0	50	75
PUBLIC TOILET 15	50	0	0	0	0	0	1.0	0	50	100
CUSTODIAL 11	50	0	0	0	0	0	1.0	0	0	50
HALL 9	100	0	0	0	0.06	6	1.0	6	50	0
TOTAL	1383		24			187.98		187.98	520	450



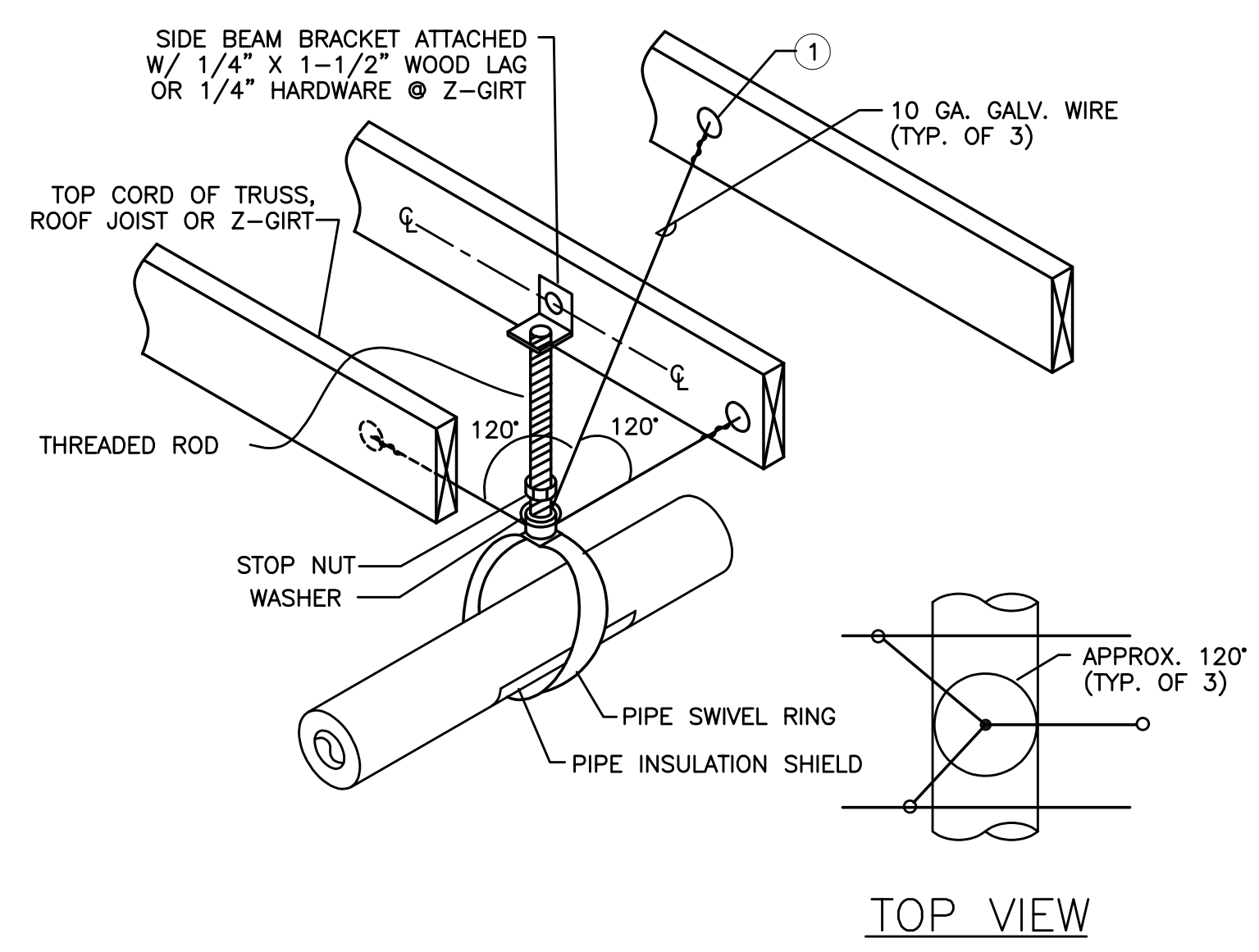
1 CEILING DIFFUSER / GRILLES
M61 SCALE: DETAIL



2 CEILING DIFFUSER / GRILLES
M61 SCALE: DETAIL



3 CEILING DIFFUSER / GRILLES w/ FIRE DAMPER
M61 SCALE: DETAIL

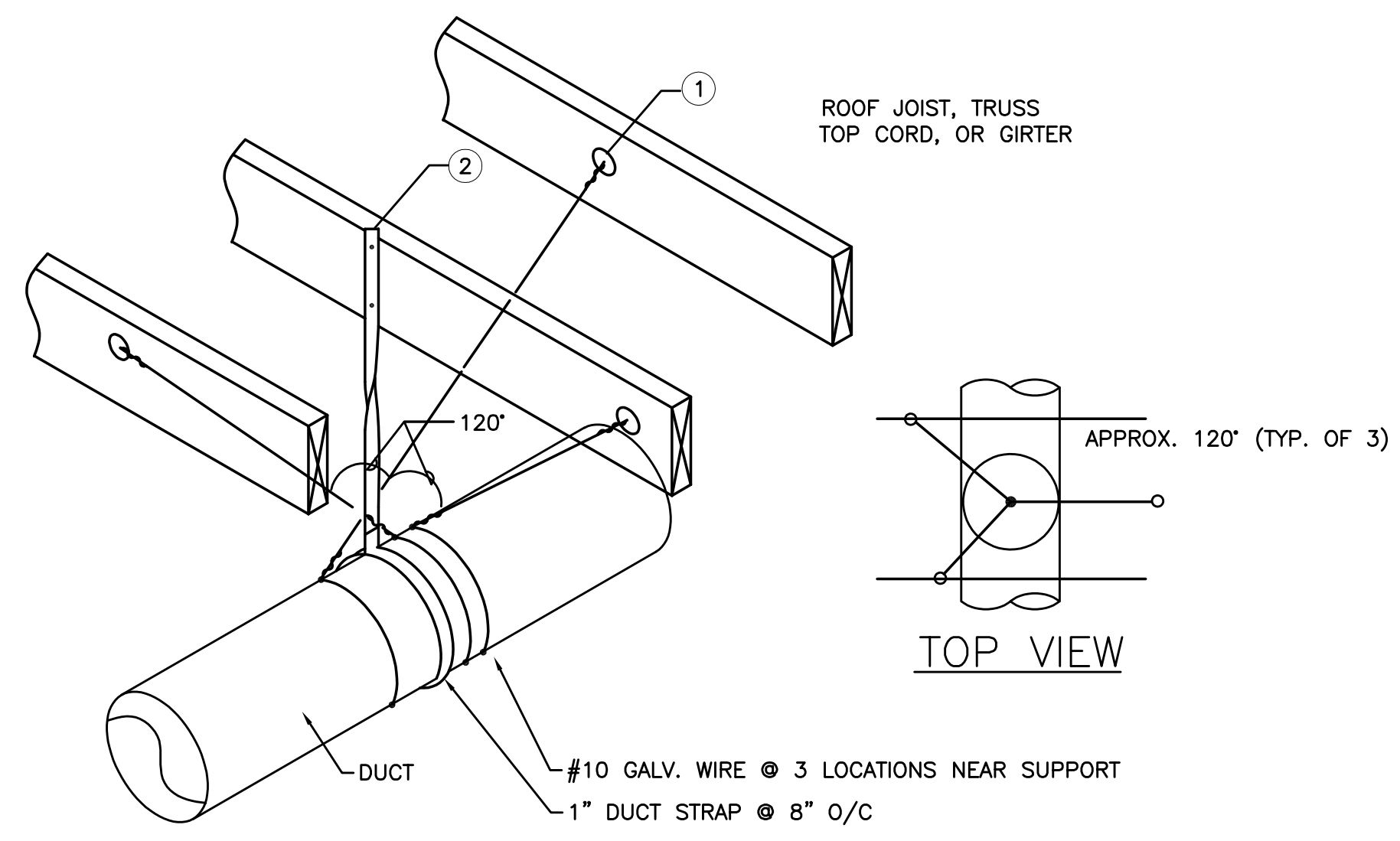


3/M6.12 NOTES
① - 1/4" GALV. THREADED EYE BOLT @ CENTER OF WOOD MEMBER (TYP. OF 3). FOR 2" GIRT USE MACHINE THREAD EYE BOLT W/ JAMB NUT & 1/4" WASHER @ EACH SIDE OF GIRT
• FOR SINGLE 1-1/2" TO 3" STEEL LINES
• FOR SINGLE 2" COPPER LINES

4 PIPE SUPPORT
M61 DETAIL

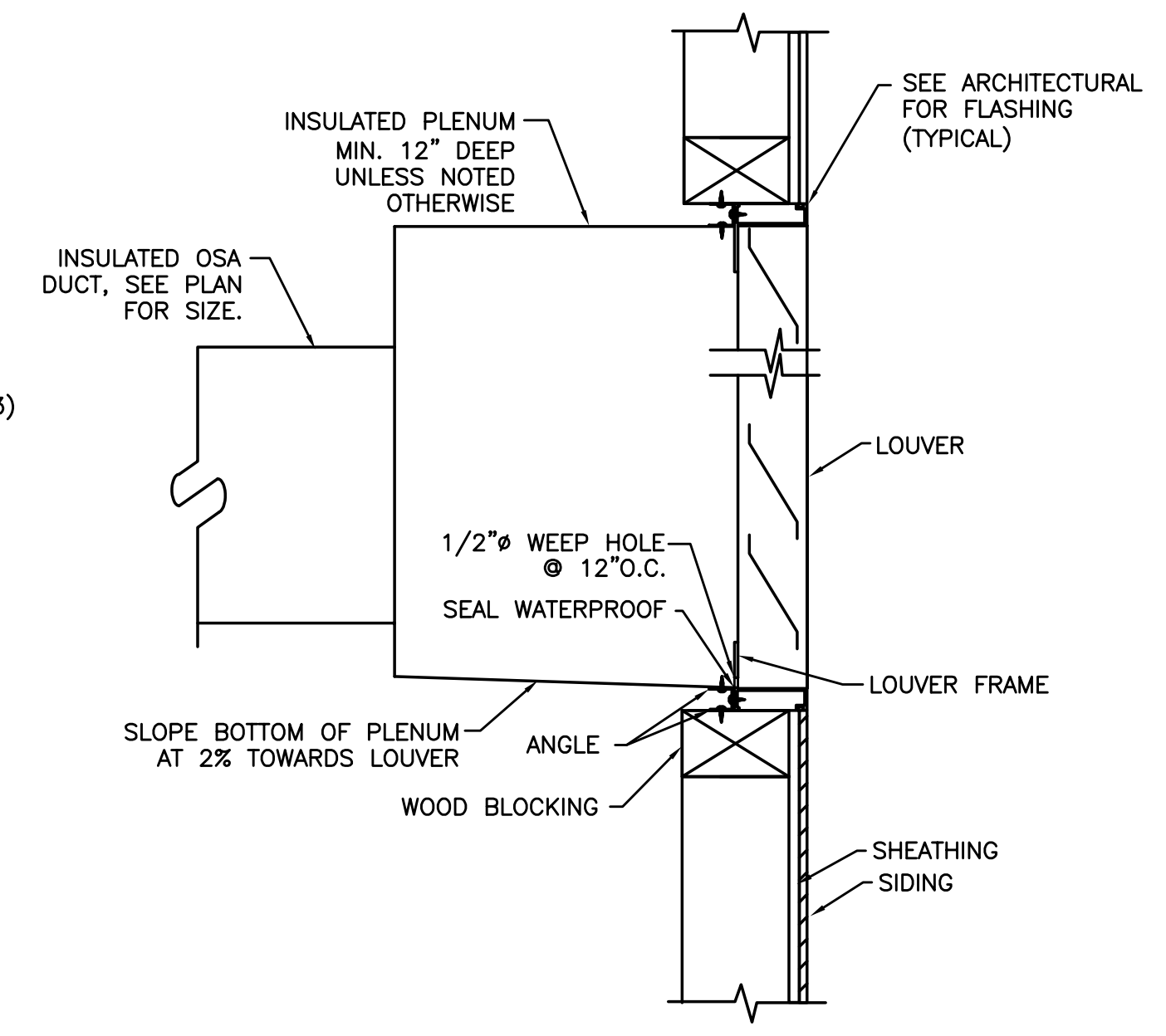
DETAIL NOTES

- ① - 1/4" GALV. THREADED EYE BOLT @ CENTER OF WOOD MEMBER (TYP. OF 3). FOR Z-GIRT USE MACHINE THREAD EYE BOLT W/ JAMB NUT & 1/4" WASHER @ EACH SIDE OF GIRT. FOR METAL DECK USE 12 SHEETMETAL SCREWS & 16 GA. MIN STRUT ANGLE CLIP
- ② - ATTACH TO TOP CORD OF TRUSS ONLY OR WOOD JOIST W/ #12 X 1-5/8 DECK SCREW @ MIN. 1" FROM WOOD MATERIAL EDGE. ATTACH TO Z-GIRT W/ (2) #12 TEK SCREWS. FOR METAL DECK USE (2) 12-14 SHEETMETAL SCREWS



- FOR SHEETMETAL DUCTS 11" TO 27" IN DIAMETER & ALL SQUARE OR RECTANGULAR DUCTS (STRAP ALONE IS SUFFICIENT FOR DUCTS SMALLER THAN 11" IN DIAMETER)
- STRAP INTERVAL MAY BE DECREASED (LESS THAN 96" O/C TO REDUCE THE NEED FOR WIRE TIES AS DETAILED. CONSULT ENGINEER OR SMACNA STANDARDS)

5 DUCT SUPPORT
M61 SCALE: DETAIL



6 RELIEF/INTAKE LOUVER DETAIL
M61 NTS

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO.: 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

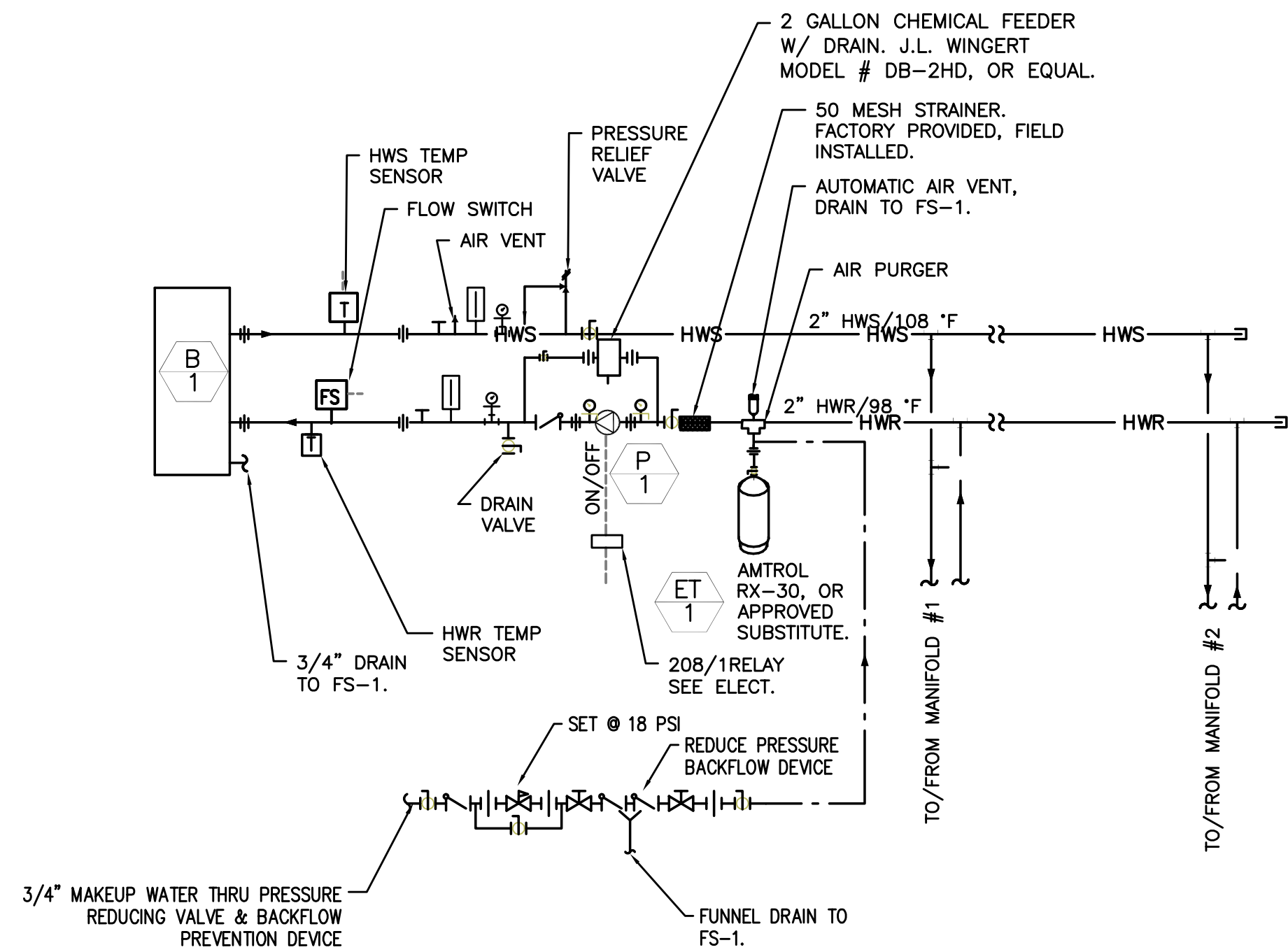
DESIGN LEVEL.

REVISIONS:	#	DATE	DESCRIPTION

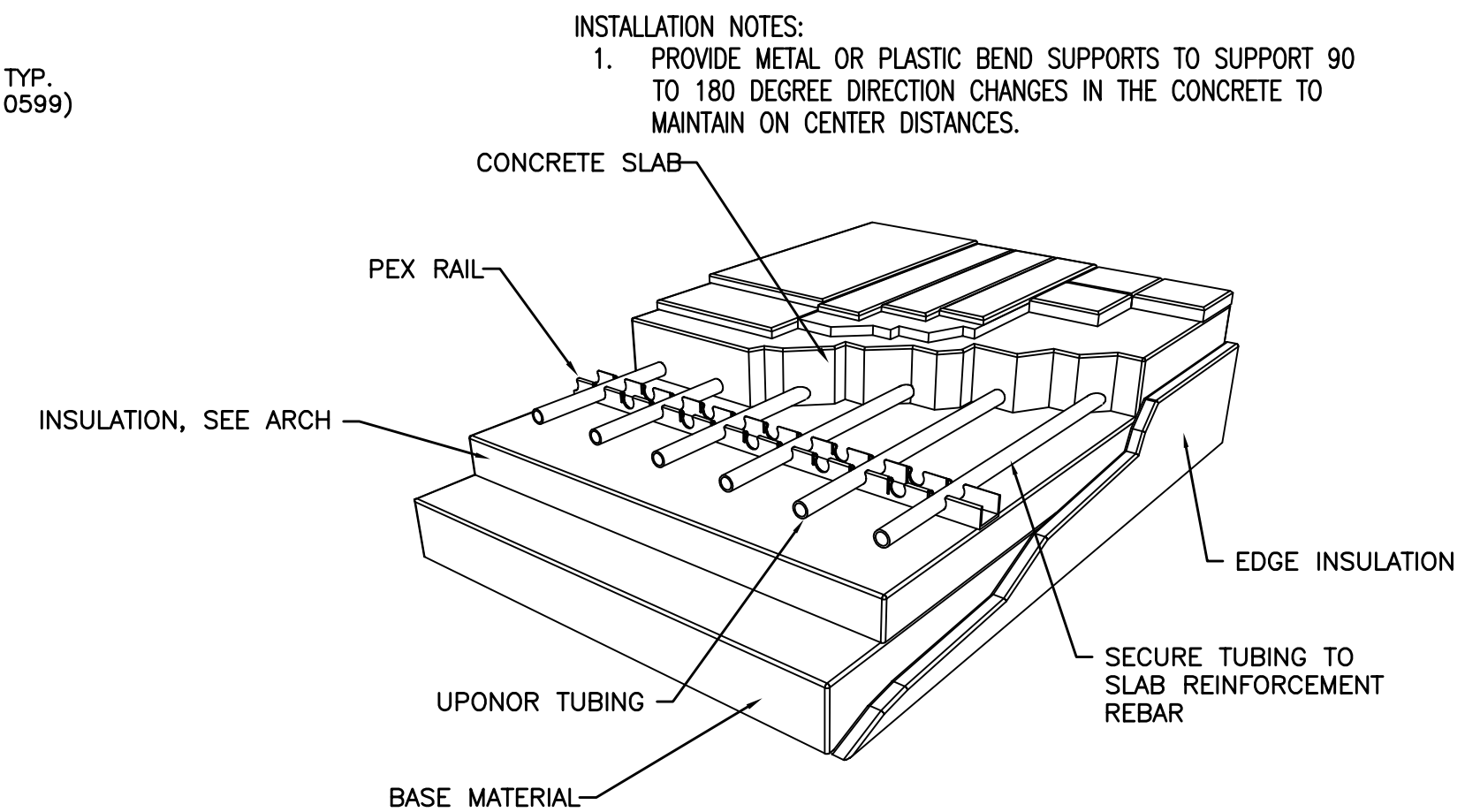
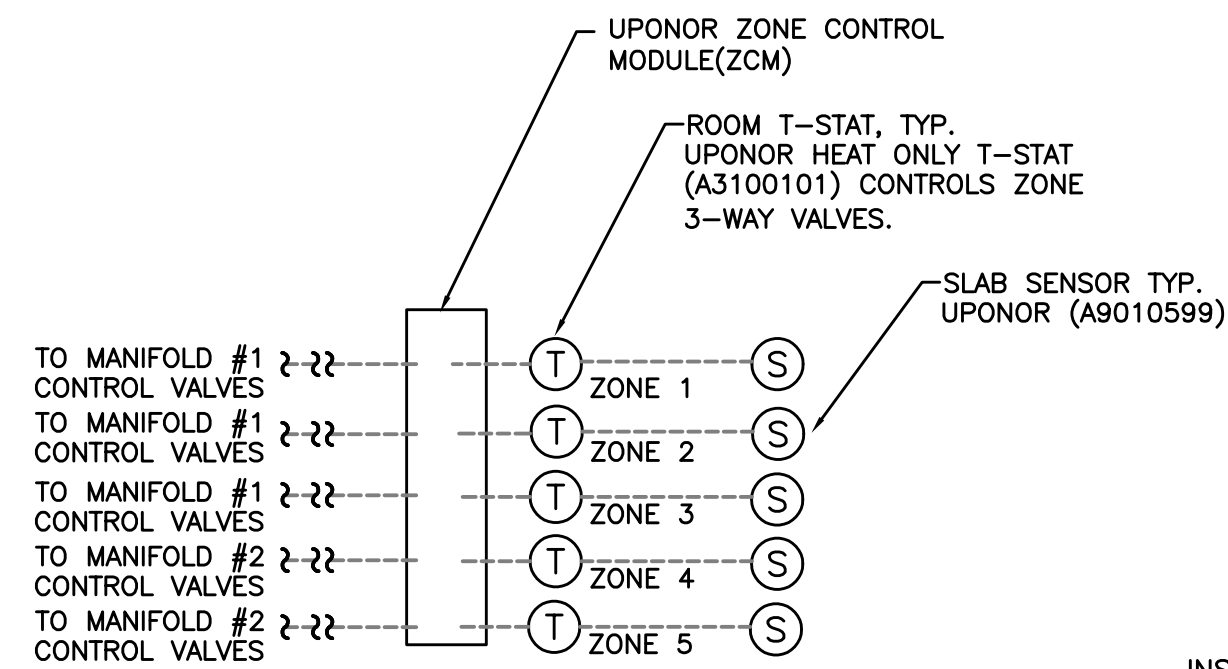
DATE: AUGUST 2023

SHEET TITLE:
**MECHANICAL
DETAILS**

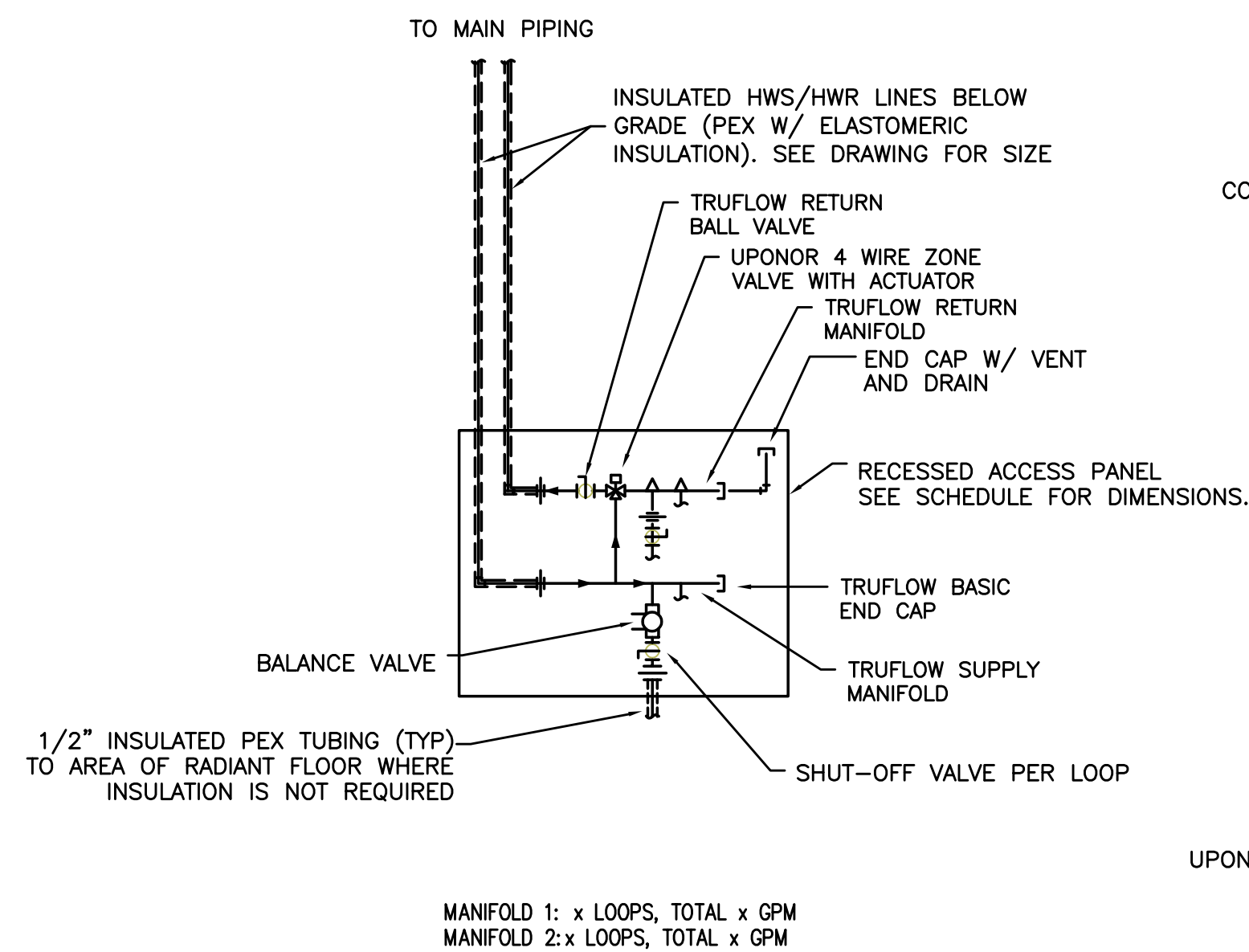
M6.1



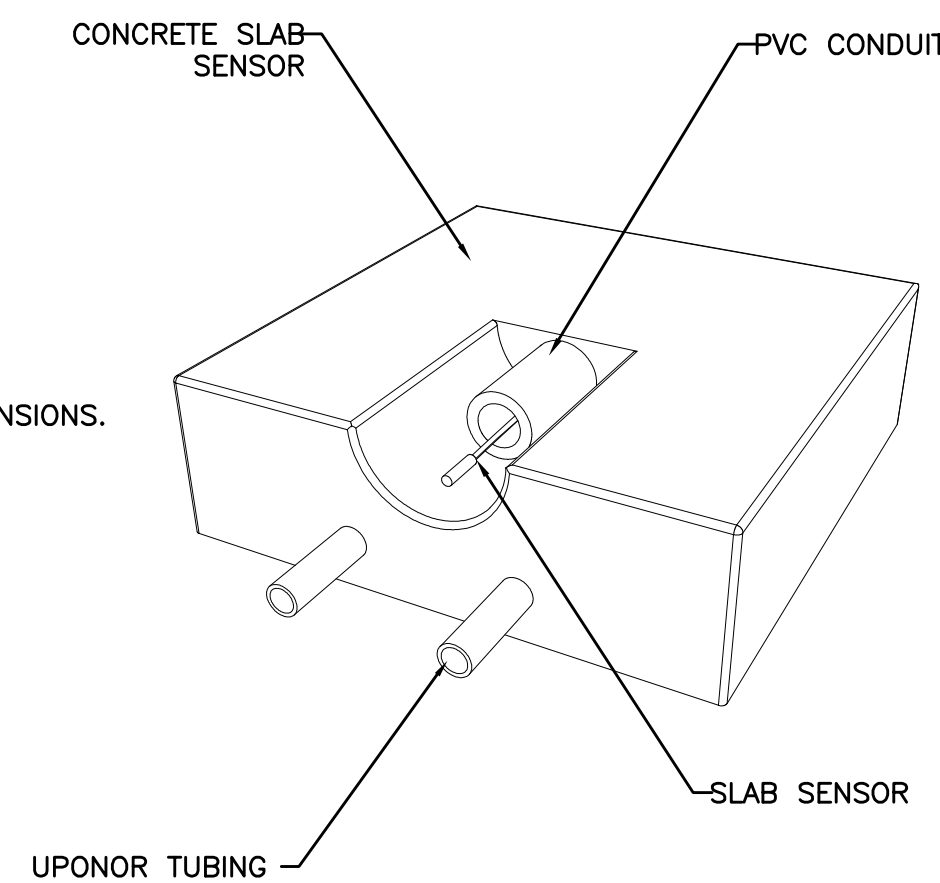
1 RADIANT HEAT BOILER PIPING DIAGRAM
M6.2 SCALE: DETAIL



2 RADIANT FLOOR PIPING DIAGRAM
M6.2 SCALE: DETAIL



3 RADIANT FLOOR ZONING
M6.2 SCALE: DETAIL



4 SLAB SENSOR
M6.2 SCALE: DETAIL

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NO.: 22.01
HIGH DOCK BUILDING
PORT OF BANDON
PORT OF BANDON HIGH DOCK
BANDON, OREGON

DESIGN LEVEL

#	DATE	DESCRIPTION

DATE: AUGUST 2023

SHEET TITLE:
**MECHANICAL
DETAILS**

M6.2

ELECTRICAL SYMBOL SCHEDULE

SYMBOLS	ONLINE DIAGRAM	NOTES	SYMBOLS	LIGHT FIXTURES	NOTES	
	MOLDED CASE CIRCUIT BREAKER			WHEN ADDED TO LIGHT FIXTURE SYMBOL, INDICATES WALL OR BRACKET MOUNTED LIGHT FIXTURE. SURFACE OR PENDANT MOUNTED LIGHT FIXTURE OUTLET. (NUMBER INDICATES CIRCUIT, CAPITAL LETTER INDICATES FIXTURE TYPE, LOWER CASE LETTER INDICATES SWITCHING CONTROL, TYPICAL FOR ALL LIGHT FIXTURES)		
	TRANSFORMER			RECESSED CEILING LIGHT FIXTURE		
	CURRENT TRANSFORMER(S)			RECESSED WALL WASHER, UNSHADED SIDE INDICATES DIRECTION OF WALL WASHING		
	METER, TYPE AS NOTED			FLUORESCENT LIGHT FIXTURE		
	GROUND			FLUORESCENT STRIP LIGHT FIXTURE		
	NEUTRAL BUS			SINGLE FACE EXIT SIGN WITH NUMBER OF DIRECTIONAL ARROWS AS SHOWN, CEILING MOUNTED, SOLID QUADRANT INDICATES FACE.		
	MOTOR WITH MOTOR NUMBER (SEE EQUIPMENT SCHEDULE)			SECURITY CAMERA, PROVIDE J-BOX WITH CAT 6 CABLE		
	COMBINATION FIRE SMOKE DAMPER			ELECTRONICALLY CONTROLLED LOCK		
	EQUIPMENT NUMBER (SEE EQUIPMENT SCHEDULE)			DOOR POSITION SWITCH		
	NON-FUSED DISCONNECT SWITCH			MOTION DETECTOR (OPN DIRECTIONAL)		
	FUSED DISCONNECT SWITCH (FUSES SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS UNO.)			CARD READER	+44"	
	COMBINATION MOTOR STARTER / FUSED DISCONNECT SWITCH			ACCESS BUTTON	+44"	
	ADA DOOR OPERATOR			CEILING SPEAKER		
	BRANCH CIRCUIT PANELBOARD			WALL MOUNTED SPEAKER	+80"	
	MISCELLANEOUS PANEL AS NOTED			WALL MOUNTED SPEAKER HORN	+80"	
	MAIN OR SUB DISTRIBUTION PANELBOARD			TELEVISION (VIDEO) OUTLET	+18"	
	TRANSFORMER			INTERCOM REQUEST STATION (SPEAKER & PUSH BUTTON)	+44"	
	BRANCH CIRCUIT INSTALLED CONCEALED FROM FINISH SPACES. PROVIDE GROUND CONDUCTOR AS INDICATED IN PANEL SCHEDULE. GROUND CONDUCTOR NOT INCLUDED IN HASH MARK INDICATION.			MANUAL PULL STATION	+44"	
	BRANCH CIRCUIT INSTALLED IN OR BELOW FLOOR. PROVIDE GROUND CONDUCTOR AS INDICATED IN PANEL SCHEDULE. GROUND CONDUCTOR NOT INCLUDED IN HASH MARK INDICATION.			COMBINATION VISUAL / AUDIBLE ALARM	+80" AFTB	
	BRANCH CIRCUIT HOME RUN TO PANEL. HASH MARKS INDICATES NUMBER OF CONDUCTORS. PROVIDE GROUND CONDUCTOR AS INDICATED IN PANEL SCHEDULE. GROUND CONDUCTOR NOT INCLUDED IN HASH MARK INDICATION.			VISUAL STROBE ALARM	+80" AFTB	
	LOW VOLTAGE EMPTY CONDUIT WITH PULL STRING - 3/4" UNO			PHOTOELECTRIC SMOKE DETECTOR (CEILING MOUNTED UNO)		
	FULL BOX, 6" x 6" x 4" UNLESS NOTED OTHERWISE			IONIZATION SMOKE DETECTOR (CEILING MOUNTED UNO)		
	JUNCTION BOX, 4" SQUARE UNLESS OTHERWISE NOTED			MAGNETIC DOOR HOLDER		
	4" CONDUIT SLEEVE WITH BUSHINGS AT BOTH ENDS. LOCATE AT 6" ABOVE ACCESSIBLE CEILING. FIRESTOP WITH UL APPROVED SYSTEM.			HEAT DETECTOR (CEILING MOUNTED, 185" UNO)		
	CONDUIT STUB-OUT, CAP & MARK WITH APPROVED MARKER			AIC	AMPERE INTERRUPTING CAPACITY	
	CONDUIT, UP			AMP	AMPERE	
	CONDUIT, DOWN			C	CONDUIT	
	WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO.			EC	EMPTY CONDUIT (WITH PULL-IN LINE)	
	DUPLEX CONVENIENCE OUTLET	+18"		ELEC	ELECTRICAL	
	GFI DUPLEX CONVENIENCE OUTLET	+18"		FAAP	FIRE ALARM ANNUNCIATOR PANEL	
	DUPLEX OUTLET CONNECTED TO EMERGENCY CIRCUIT	+18"		FACP	FIRE ALARM CONTROL PANEL	
	DOUBLE DUPLEX CONVENIENCE OUTLET	+18"		G, GND	GROUND	
	SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED	+18" UNO		GEN	GENERATOR	
	THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED	+18" UNO		GFI	GROUND FAULT CIRCUIT INTERRUPTER TYPE	
	FLUSH FLOOR OUTLET AS SHOWN			HP	HORSEPOWER	
	WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO.			IG	ISOLATED GROUND	
	TELE/DATA. PROVIDE CABLES AS SHOWN	+18"		MECH	MECHANICAL	
	W ADDED TO SYMBOL INDICATES WALL MOUNTED	+60"		MFGR	MANUFACTURER	
	FLOOR OUTLET WITH CABLES AS SHOWN			NEC	NATIONAL ELECTRIC CODE	
	TELEPHONE TERMINAL BOARD, 8" HIGH (WIDTH AS SHOWN), 3/4" FIRE RESISTIVE PLYWOOD WITH # 6 GJ GND			NL	NIGHT LIGHT	24 HOUR ON
	WIRELESS ACCESS PORT, PROVIDE (1) CAT6 & CABLES			OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	
				OFOI	OWNER FURNISHED OWNER INSTALLED	
				FB	FULL BOX	
				PH	PHASE	
				PNL	PANEL	
				PUR	ROLLER	
				SYS	SYSTEM	
				T	TELEPHONE	
				TTB	TELEPHONE TERMINAL BOARD	
				TYP	TYPICAL	
				UNO	UNLESS NOTED OTHERWISE	
				V	VOLT	
				VP	VANDAL PROOF	
				W	WATT	
				WP	WEATHERPROOF TYPE	

NOTES

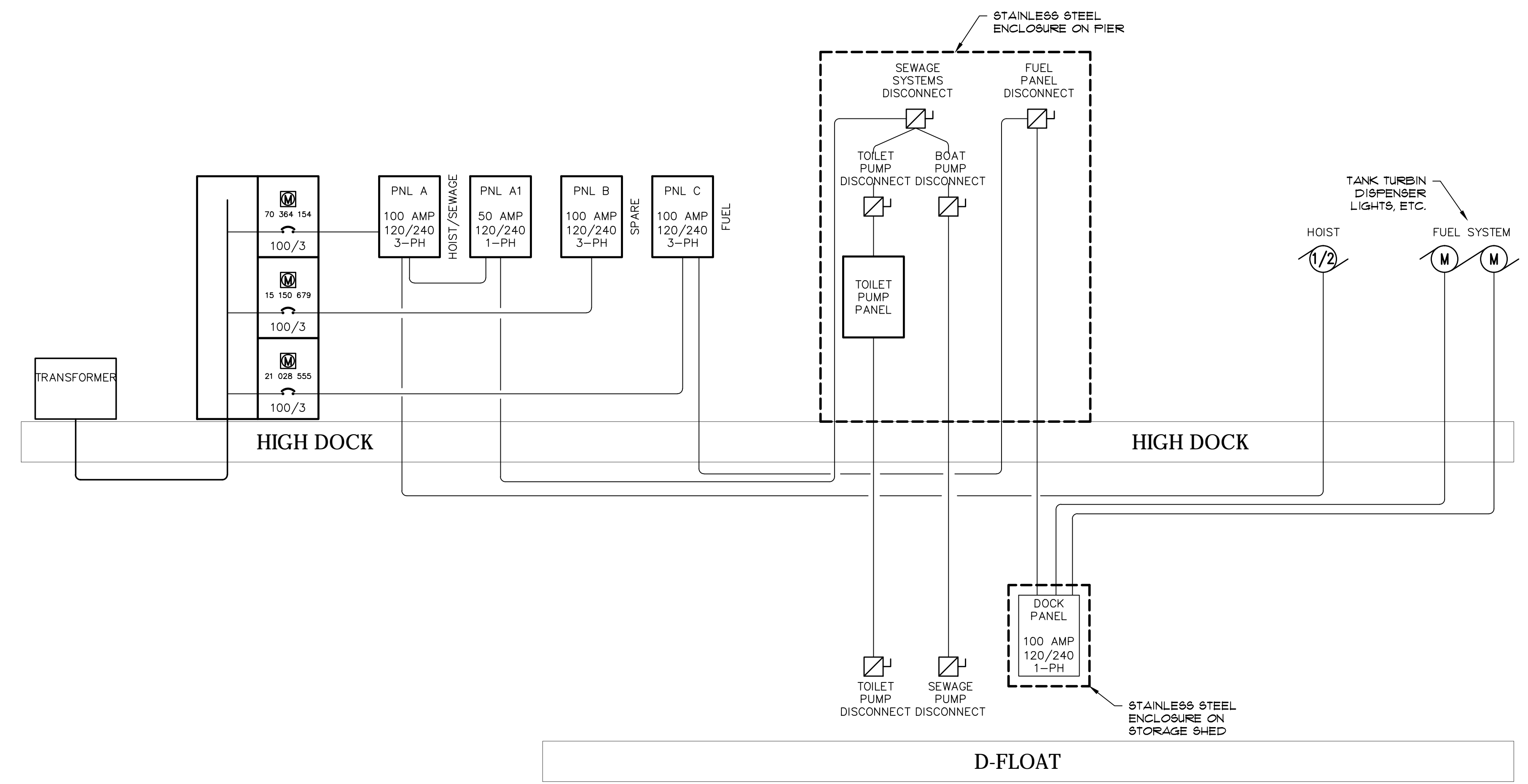
- ALL SYMBOLS MAY NOT APPLY DIRECTLY TO THIS JOB.
- ALL MOUNTING HEIGHTS SHOWN ARE TO CENTERLINE OF DEVICE.
- ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS.

KEYED NOTES

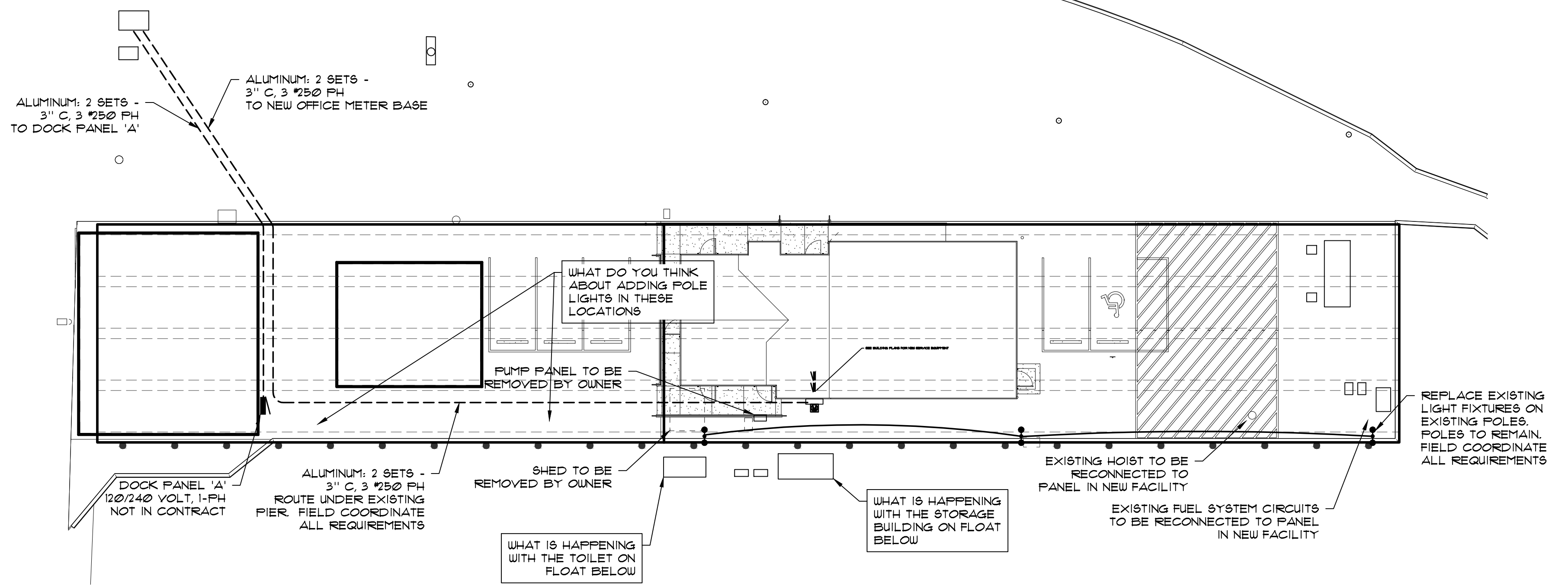
◇ PROVIDE 1" CONDUIT FROM OUTLET BOX TO ACCESSIBLE LOCATION ABOVE CEILING UNLESS NOTED OTHERWISE. TERMINATE CONDUITS WITH BLUE INSULATED BOX CONNECTORS AND LABEL SYSTEM. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ROUTE CAT6 or 6a CABLE(S) TO DATA RACK

PROJECT NOTES

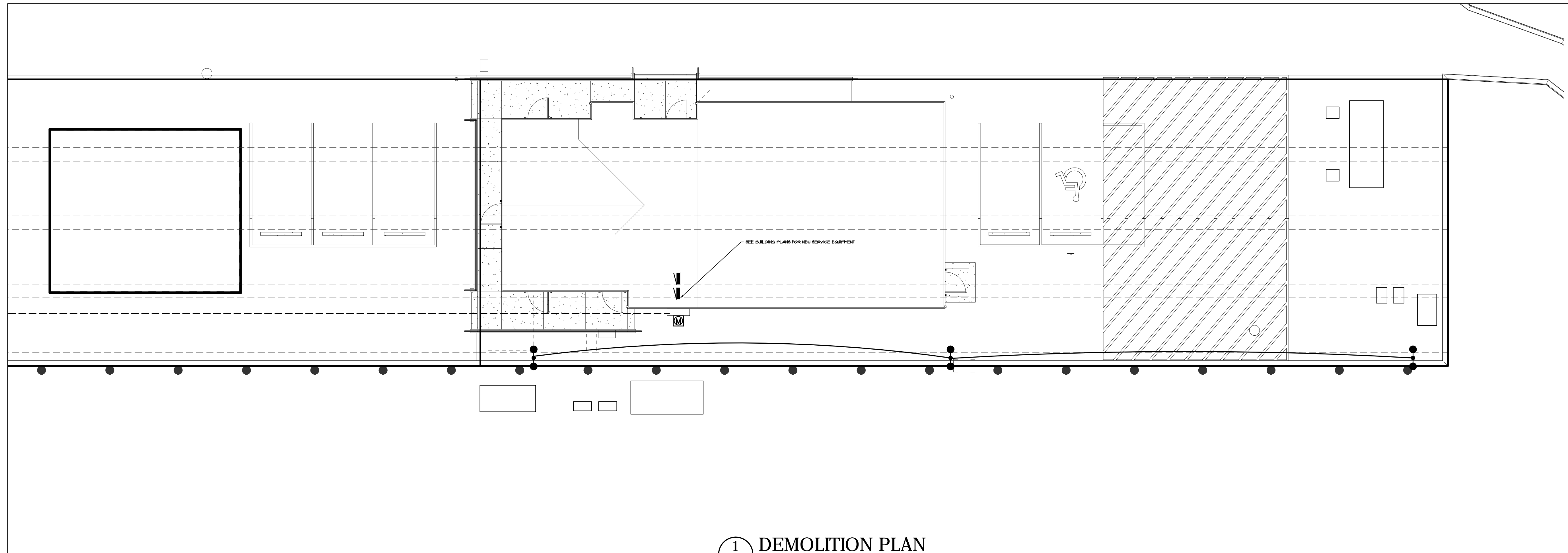
- THE BUILDING LOCATION IS DESIGNATED AS BEING IN A FLOOD PLAIN. THE EXTERIOR WALL IS DESIGNATED AS AN APPROXIMATELY 24-INCH STEM WALL TO DEAL WITH THIS DESIGNATION. RECEPTACLES LOCATED IN EXTERIOR WALLS SHALL BE MOUNTED ABOVE THE STEM WALL TO AVOID ISSUES WITH THE FLOOD FLAIN. FIELD COORDINATE MOUNTING HEIGHT.
- CT ENCLOSURE, METER BASE AND ANY OTHER SERVICE ENTRANCE ELECTRICAL ENCLOSURES LOCATED OUTSIDE SHALL BE STAINLESS STEEL IN ACCORDANCE WITH THE CITY OF BANDON POWER DEPARTMENT'S STANDARDS.
- THE EXISTING FUEL STATION SHALL BE DISCONNECTED AND RECONNECTED COMPLETE TO THE NEW FACILITY. FIELD COORDINATE ALL REQUIREMENTS.
- THE SEWER PUMP STATION ON 'D' FLOAT SHALL BE DISCONNECTED AND RECONNECTED COMPLETE TO THE NEW FACILITY. FIELD COORDINATE ALL REQUIREMENTS.
- ALL WIRING SHALL BE IN CONDUIT OR SHALL BE MC CABLE - NO NON-METALLIC SHEATHED CABLE (ROMEX) SHALL NOT BE PERMITTED.



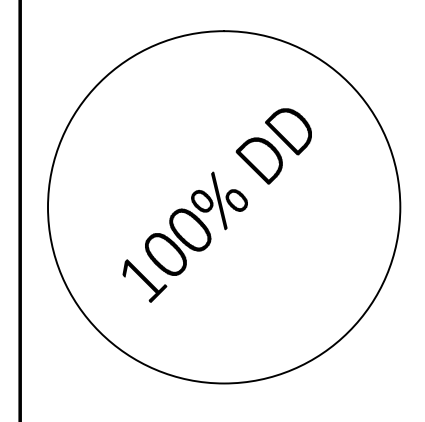
1 EXISTING PIER 1-LINE DIAGRAM
E1 120/240 VOLT, 3-PHASE (Connected single phase)



1 SITE PLAN
E1.0 SCALE: 1/16" = 1'-0"



1 DEMOLITION PLAN
 E1.1 SCALE: 1/8" = 1'-0"



DEMOLITION NOTES

- DEMOLISH COMPLETELY (3) ELECTRICAL SERVICES AND ASSOCIATED PANELS AND DEVICES IN ELECTRICAL SHED ON PIER (NEAR PROULER CHARTERS)
 - SERVICE ENTRANCE PANEL A: FEEDS PANEL A1, HOIST AND CAMERAS. DEMO COMPLETELY. RECONNECT HOIST TO PANEL L2 IN NEW FACILITY.
 - SUB-PANEL A1: SEWAGE PUMP, PIER LIGHTS AND VARIOUS DOCK LOADS BELOW. RECONNECT DOCK LOADS TO DOCK PANEL. RECONNECT PIER LIGHTS TO PANEL L2 IN NEW FACILITY.
 - SERVICE ENTRANCE PANEL B: COMPLETELY SPARE.
 - SERVICE ENTRANCE PANEL C: FEEDS DOCK PANEL ON STORAGE BUILDING BELOW. TEMPORARILY REFEED DOCK PANEL DURING CONSTRUCTION.
- THE EXISTING FUEL STATION AND ALL ASSOCIATED APPURTENANCES SHALL BE DISCONNECTED AND RECONNECTED COMPLETE TO PANEL L2 IN THE NEW FACILITY. FIELD COORDINATE ALL REQUIREMENTS.
- THE SEWER PUMP STATION ON 'D' FLOAT SHALL BE DISCONNECTED AND RECONNECTED COMPLETE TO THE NEW FACILITY. FIELD COORDINATE ALL REQUIREMENTS.
-

DESIGN LEVEL.

REVISIONS:

#	DATE	DESCRIPTION

DATE: AUGUST 2023

SHEET TITLE:

ELECTRICAL
 DEMOLITION

E1.1



DESIGN LEVEL

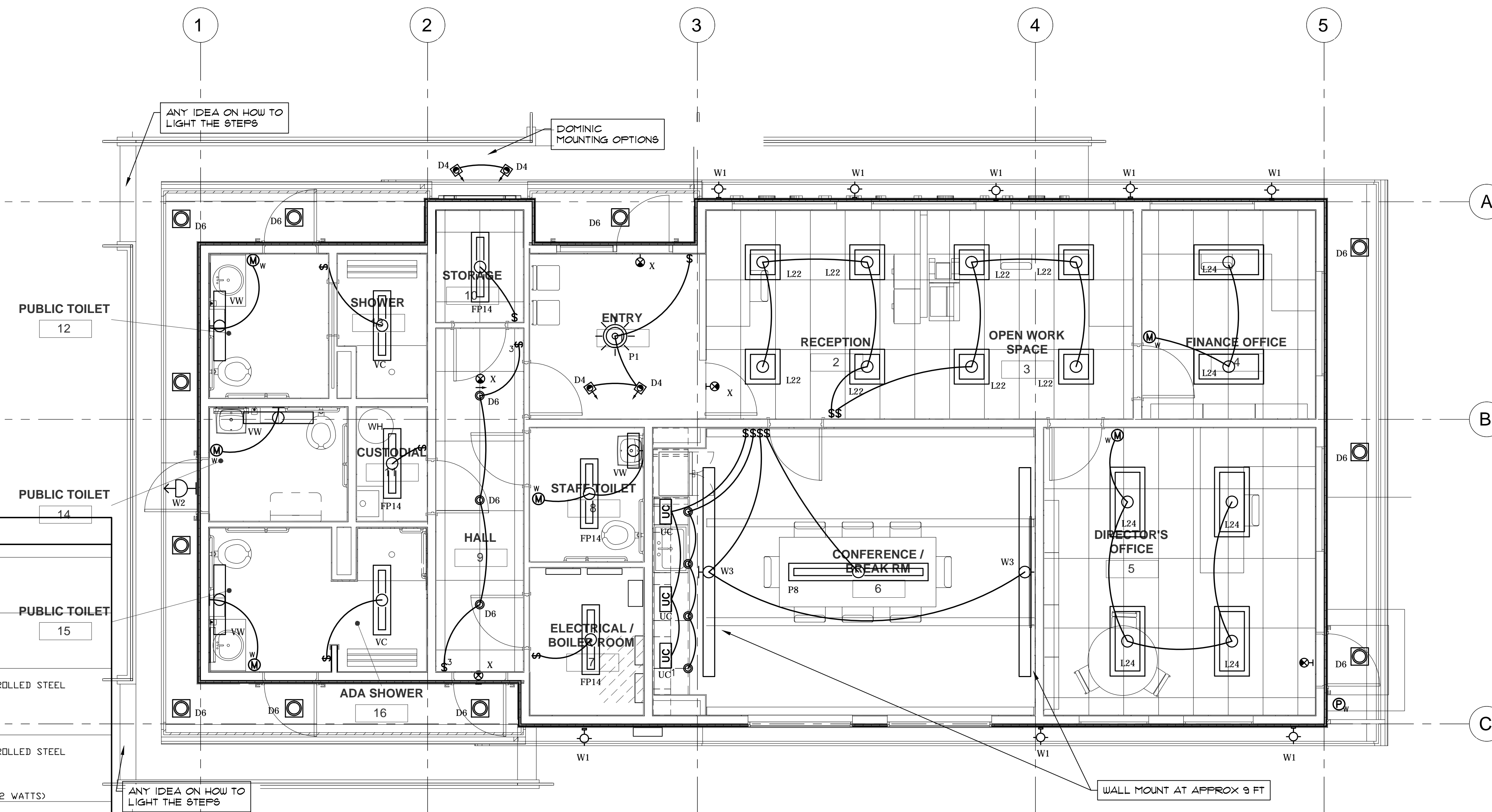
REVISIONS:

#	DATE	DESCRIPTION

DATE: AUGUST 2023

SHEET TITLE:
ELECTRICAL PLAN
LIGHTING

E2.0

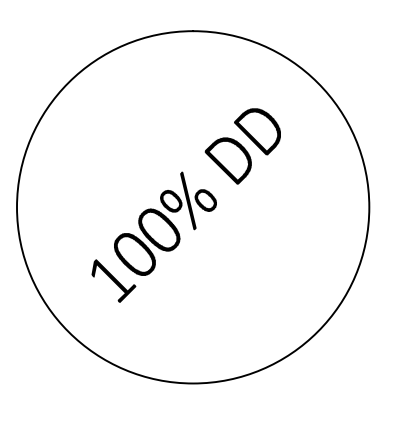


LIGHT FIXTURE SCHEDULE

NAME	MANUFACTURER	DESCRIPTION
D4	ALPHABET NU4-RA-XTM19-20LM-35K-83-D50-120- -DIM10-NC-WH-WH	TYPE: 4' LED ADJUSTABLE DOWNLIGHT HOUSING: COLD-ROLLED STEEL, ACRYLIC LENS MOUNTING: RECESSED - CEILING FINISH: WHITE TRIM, WHITE BEZEL LAMPS: LED 1700 LUMEN 35K 26 WATTS
D6 / D6E	LITHONIA LDN6 35/2000 L06 AR LD MVOLT	TYPE: 6" LED RECESSED DOWNLIGHT TRIM: SELF FLANGED, CLEAR DIFFUSE MOUNTING: RECESSED - VERIFY CEILING TYPE D6E: ADD EMERGENCY BATTERY PACK LAMPS: LED 3500K, 2000 LUMENS, 23 WATTS
L22	LITHONIA 2VTL2 33L ADPT EZ1 LP835 N80	TYPE: 2' X 2' RECESSED LED TROFFER HOUSING: DIE-FORMED 22 GAUGE, PRIMED COLD ROLLED STEEL DIFFUSER: LINEAR PRISMATIC WITH TRIM RINGS MOUNTING: RECESSED IN GRID CONTROLS: CAT5 LOW-VOLTAGE DIMMING CONTROL LAMPS: LED 3,500K, 3,300 LUMEN, 26.3 WATTS
L24	LITHONIA 2VTL4 40L ADPT EZ1 LP835 N80	TYPE: 2' X 4' RECESSED LED TROFFER HOUSING: DIE-FORMED 22 GAUGE, PRIMED COLD ROLLED STEEL DIFFUSER: LINEAR PRISMATIC WITH TRIM RINGS MOUNTING: RECESSED IN GRID CONTROLS: CAT5 LOW-VOLTAGE DIMMING CONTROL LAMPS: LED, 82 CRI, 3,500K, 4,000 LUMEN (33.2 WATTS)
FP1	LITHONIA CPANL 1X4 24/33/44LM 35K M4 2X2CFMK	TYPE: 1 X 4 LED FLAT PANEL HOUSING: ALUMINUM FRAME FINISH: WHITE POLYESTER COATING MOUNTING: SURFACE - CEILING LAMPS: LED, 82 CRI, 3,500K, 3,300 LUMEN (20/28/39 WATTS)
P1		TYPE: NAUTICAL PENDANT MOUNTING: CEILING PENDANT - SINGLE-STEM FINISH: ARCHITECTURAL BRONZE - FROSTED LAMPS: 20W LED A19 LAMP - WARM WHITE
P8	FINELITE S12 LED ID 8'-3E-S/H-835-FTD- 120V-DC-FA-CE-C4-	TYPE: 8-FOOT LED PENDANT HOUSING: DIE-FORMED STEEL MOUNTING: SUSPENDED FROM CEILING VERIFY WITH ARCHITECT CONTROLS: DUAL SWITCHING UP / DOWN LAMPS: LED 7200 LUMEN 3500K 60 WATTS
SP	BROWARD CASTING SOURCE: HAVEN DOCK & MARINE HAVENDOCK.COM	TYPE: DOUBLE PAGODA LIGHT HOUSING: EXTRUDED / CAST ALUMINUM - NATURAL MOUNTING: EXISTING POLE LAMPS: VERIFY WITH OWNER
UC	KELVIX UCx-3040-010V-120277-WH VERIFY LENGTH WITH CASEWORK PRIOR TO ORDERING	TYPE: UNDER CABINET LIGHT MOUNTING: SURFACE - UNDER CABINET FINISH: WHITE CONTROL: CONTROL WITH SEPARATE WALL SWITCH LAMPS: LED, 3,500 K, 20 WATTS
VC	KENALL - MILLENIUM STRETCH MLRS12-48-R-MW-PP-1-45L35K- -DCC-1-DV-FS	TYPE: CEILING / WALL CORNER LINEAR LED TRIM: WHITE - POLYCARBONATE LENS MOUNTING: SURFACE - WALL LAMPS: LED 3500K, 4600 LUMENS, 50 WATTS
VW	KENALL - MILLENIUM STRETCH MLRSSV-48-SP-MW-PP-1-45L35K- -DCC-1-DV-FS	TYPE: ROUGH SERVICE - VANITY LIGHT TRIM: WHITE - POLYCARBONATE LENS MOUNTING: SURFACE - WALL LAMPS: LED 3500K, 4200 LUMENS, 50 WATTS
W1		TYPE: NAUTICAL WALL SCONCE HOUSING: DIE-CAST ALUMINUM FINISH: DARK BRONZE MOUNTING: SURFACE - WALL LAMPS: LED, 3,000K, 4500 LUMEN (35 WATTS)
W2	LITHONIA WDGE2LED P4 30K 80CRI VW MVOLT DDBXD	TYPE: LED WALL PACK HOUSING: DIE-CAST ALUMINUM FINISH: DARK BRONZE MOUNTING: SURFACE - WALL LAMPS: LED, 3,000K, 4500 LUMEN (35 WATTS)
W3	FINELITE S12 LED WM ID-DCC-12'-2E-S-835-FTD-120V- SC-SUR-CE-DBD	TYPE: 12-FOOT LED WALL MOUNTED HOUSING: DIE-FORMED STEEL MOUNTING: SURFACE WALL LAMPS: LED 5600 LUMEN 3500K 43 WATTS
X1	LITHONIA - ECCR LED M6	TYPE: LED EXIT SIGN WITH EMERGENCY LIGHT BAR HOUSING: THERMOPLASTIC OR POLYCARBONATE FINISH: WHITE HOUSING WITH RED LETTERS MOUNTING: FIELD VERIFY MOUNTING LAMPS: LED BATTERY: NI-CAD BATTERY NOTE: DOUBLE FACE AS NECESSARY

PORT OF BANDON OFFICE BUILDING
ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWISE

1 ELECTRICAL PLAN - LIGHTING
E2.0 SCALE: 1/4" = 1'-0"



DESIGN LEVEL

REVISIONS:

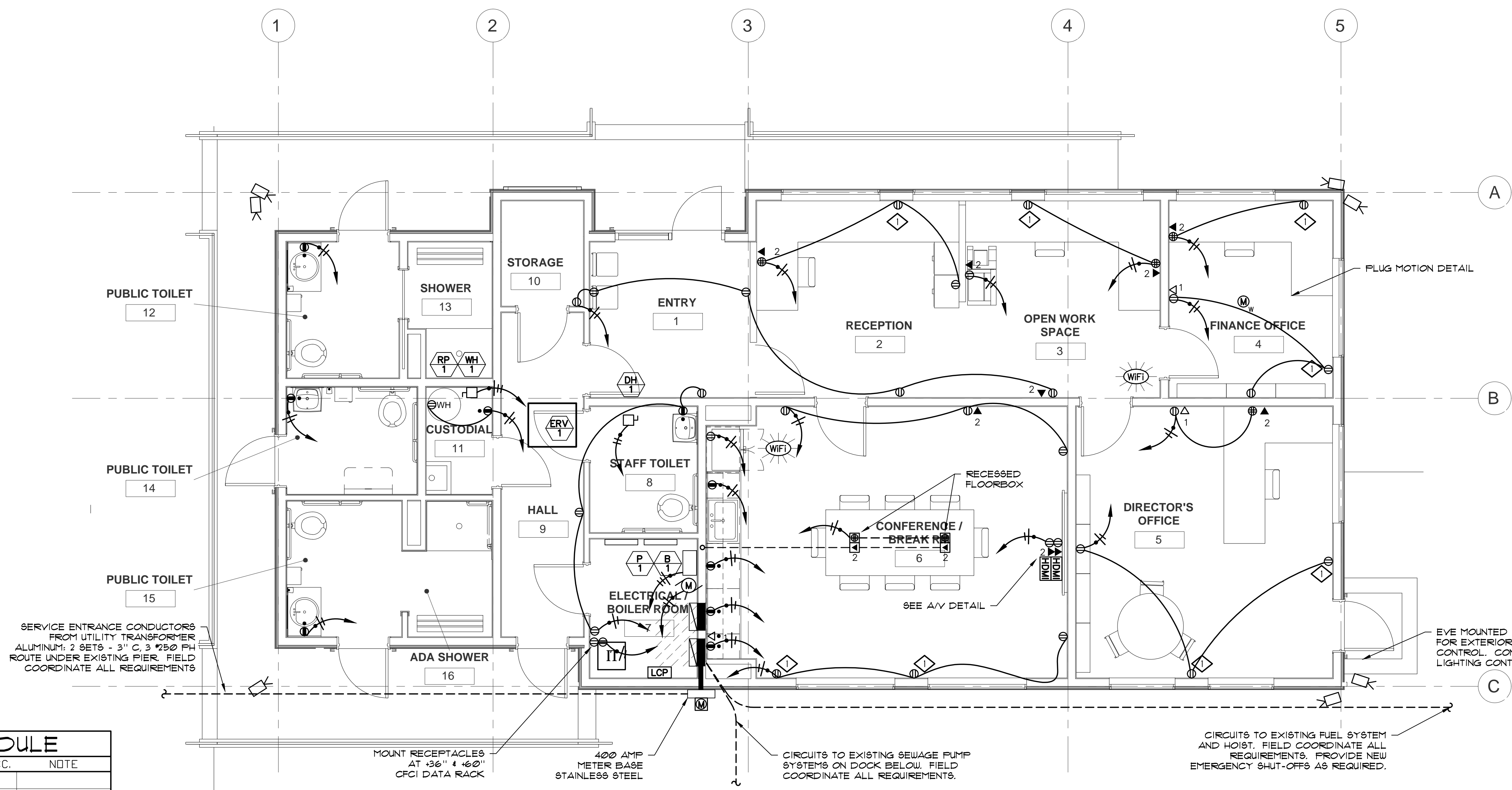
#	DATE	DESCRIPTION

DATE: AUGUST 2023

SHEET TITLE:

ELECTRICAL PLAN
POWER & SIGNAL

E3.0



1 ELECTRICAL PLAN - POWER & SIGNAL
E3.0 SCALE: 1/4" = 1'-0"

MECHANICAL EQUIPMENT SCHEDULE

ID	DESCRIPTION	LOCATION	HP/KVA	VOLT	PH	DISC.	NOTE
B-1	BOILER	ELECTRICAL RM	11.0 KW	240	1		
P-1	BOILER PUMP	ELECTRICAL RM	3/4 HP	120	1		
ERV-1	ENERGY RECOVERY	ATTIC	1512 W	240	1	30/2	
DH-1	DUCT HEATER	ATTIC	2.0 KW	240	1	30/2	
WH-1	WATER HEATER	JANITOR ROOM	10.0 KW	240	1	60/2	
RCP-1	RECIRC. PUMP	JANITOR ROOM	90 W	120	1		CORD & PLUG

KEYED NOTES
1 MOTOR RATED SWITCH.

PANEL 'L1'
200 AMP MAIN BREAKER 120 / 240 VOLTS 1-PHASE, 3-WIRE
FEEDER SIZE ALUMINUM: 2" C, 3 #250 PH, #4 GRD FLUSH MOUNTED

PL	T	LOAD	VA	HP	PHW	GND	CON	BKR	PH	BKR	CON	GND	PHW	HP	VA	LOAD	T	PL	
1	H	BOILER B-1	5500		6	10	3/4	60	2	A	2	80	3/8	18	12	5000	DUCT HEATER HEATER	H	2
3	H		5500							B					5000		H	4	
5	M	BOILER PUMP P-1	1656	3/4	12	12	1/2	20	1	A	2	20	1/2	12	12	756	ERV - 1	M	6
7	R	RECIRC PUMP	1368	1/2	12	12	1/2	20	1	B					756		M	8	
9	R	REC. ADA SHOWER	180		12	12	1/2	20	1	A	2	20	1/2	12	12	1800	BOILER HEATER RECEPT	H	10
11	R	REC. PUBLIC TOILET	180		12	12	1/2	20	1	B					1800	REC. RECEPTION	H	12	
13	R	REC. SHOWER	180		12	12	1/2	20	1	A	1	20	1/2	12	12	1500	REC. PRINTER	R	14
15	R	REC. HALL / TOILET	720		12	12	1/2	20	1	B	1	20	1/2	12	12	540	REC. WORK STATION	R	16
17	R	REC. DATA RACK	360		12	12	1/2	20	1	A	1	20	1/2	12	12	540	REC. FINANCE	R	18
19		SPARE	0		1/2	20	1	B	1	20	1/2	12	12		540	REC. FINANCE	R	20	
21		SPARE	0		1/2	20	1	A	1	20	1/2	12	12		540	REC. DIRECTOR	R	22	
23		SPARE	0		1/2	20	1	B	1	20	1/2	12	12		540	REC. DIRECTOR	R	24	
25		SPARE	0		1/2	20	1	A	1	20	1/2	12	12		0				26
27		SPARE	0		1/2	20	1	B	1	20	1/2	12	12		0				28
29		SPARE	0		1/2	20	1	A	1	20	1/2	12	12		0				30
31		SPARE	0		1/2	20	1	B	1	20	1/2	12	12		0				32
33		SPARE	0		1/2	20	1	A	1	20	1/2	12	12		0				34
35		SPARE	0		1/2	20	1	B	1	20	1/2	12	12		0				36
37										A									38
39										B									40
41										A									42

L1 9/22/2023 FED FROM PANEL 'METER' 23.13 Schedules

PANEL 'L2'
200 AMP MAIN BREAKER 120 / 240 VOLTS 1-PHASE, 3-WIRE
FEEDER SIZE ALUMINUM: 2" C, 3 #250 PH, #4 GRD FLUSH MOUNTED

PL	T	LOAD	VA	HP	PHW	GND	CON	BKR	PH	BKR	CON	GND	PHW	HP	VA	LOAD	T	PL		
1	M	SEWAGE HEATER PMP	2000	3	18	10	3/8	80	2	A	2	80	1/2	18	18	122	SEWAGE / BOILER PMP	M	2	
3	M		2000							B					2000		M	4		
5	M	BOILER PUMP	960	1	12	12	1/2	20	2	A	2	20	1/2	12	12	142	TOILET TURBIN	M	6	
7	R	REFRIGERATOR	1968	1/2	12	12	1/2	20	1	B					968		M	8		
9	R	REC. LIGHTS CNTR	880		12	12	1/2	20	1	A	1	20	1/2	12	12	1/8	1596	FUEL DISPENSER	M	10
11	R	RECEIVING CNTR	380		12	12	1/2	20	1	B	1	20	1/2	12	12	25	DISPENSER LIGHT	M	12	
13	R	REC. CNF CNTR	180		12	12	1/2	20	1	A	2	20	1/2	12	12	1/2	588	FUEL TURBIN	M	14
15	R	REC. CNF CNTR	180		12	12	1/2	20	1	B					588		M	16		
17	R	REC. CNF. AV	360		12	12	1/2	20	1	A	1	20	1/2	12	12	1/4	696	FUEL DISPENSER	M	18
19	R	REC. E. CNF	540		12	12	1/2	20	1	B	1	20	1/2	12	12	100	DISPENSER LIGHT	L	20	
21	R	REC. W. CNF	540		12	12	1/2	20	1	A	1	20	1/2	12	12	800	PIER LIGHTS	L	22	
23	R	REC. CNF FLOOR	720		12	12	1/2	20	1	B	1	20	1/2	12	12	540	CAMERAS	R	24	
25		SPARE	0		1/2	20	1	A	1	20	1/2	12	12		0				26	
27		SPARE	0		1/2	20	1	B	1	20	1/2	12	12		0				28	
29		SPARE	0		1/2	20	1	A	1	20	1/2	12	12		0				30	
31		SPARE	0		1/2	20	1	B	1	20	1/2	12	12		0				32	
33		SPARE	0		1/2	20	1	A	1	20	1/2	12	12		0				34	
35		SPARE	0		1/2	20	1	B	1	20	1/2	12	12		0				36	
37										A									38	
39										B									40	
41										A									42	

L2 9/22/2023 FED FROM PANEL 'METER' 23.13 Schedules

ALL CIRCUIT CONDUCTORS SIZED FOR COPPER

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