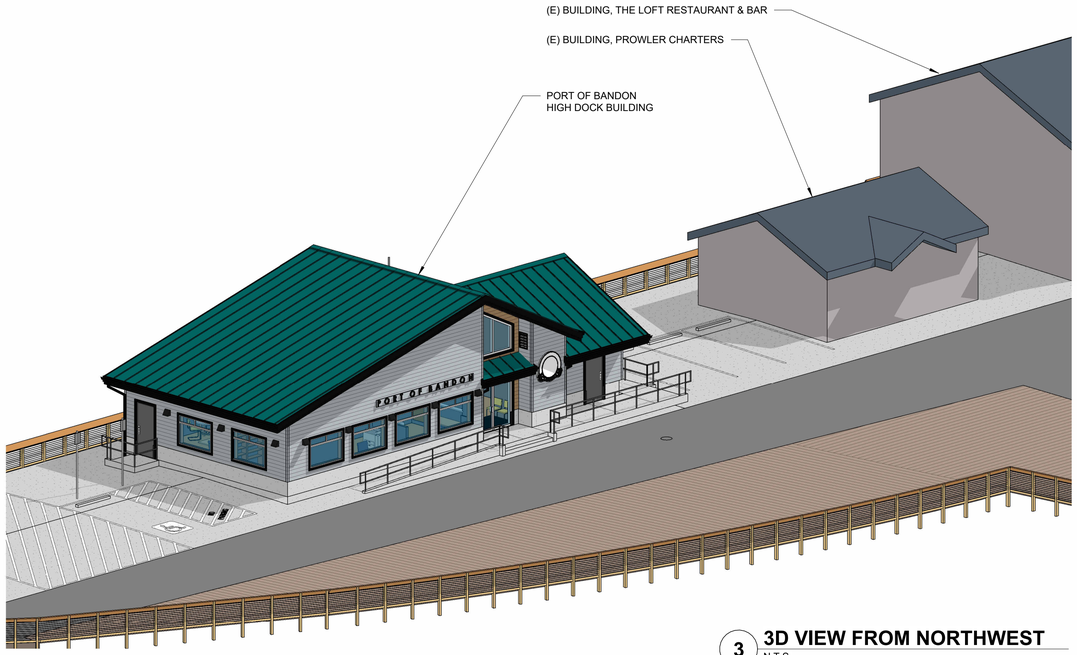
PORT OF BANDON
HIGH DOCK BUILDING

BANDON BOARDWALK
BANDON, OREGON



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

NOTE: RENDERING COLORS ARE CONCEPTUAL ONLY.
PAINT COLORS TO BE DETERMINED BY OWNER/ARCHITECT.

COLOR SCHEDULE

- MAIN BODY COLOR: TBD
- ENTRY ALCOVE COLOR: CEDAR T&G
- TRIM COLOR: TBD
- METAL ROOF COLOR (BASE BID): TBD

PROJECT TEAM

OWNER / GENERAL CONTRACTOR
PORT OF BANDON
390 1ST ST SW
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CONTACT: JEFF GRIFFIN

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KPFF CONSULTING ENGINEERS
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SUITE 2600
PORTLAND, OR 97204
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PLUMBING / MECHANICAL
MFIA INC. CONSULTING ENGINEERS
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ELECTRICAL
DOUBLE 'E' ENGINEERING
315 ASH ST
MYRTLE POINT, OR 97458
PHONE: (547) 294-0587
CONTACT: GREG PRIDE

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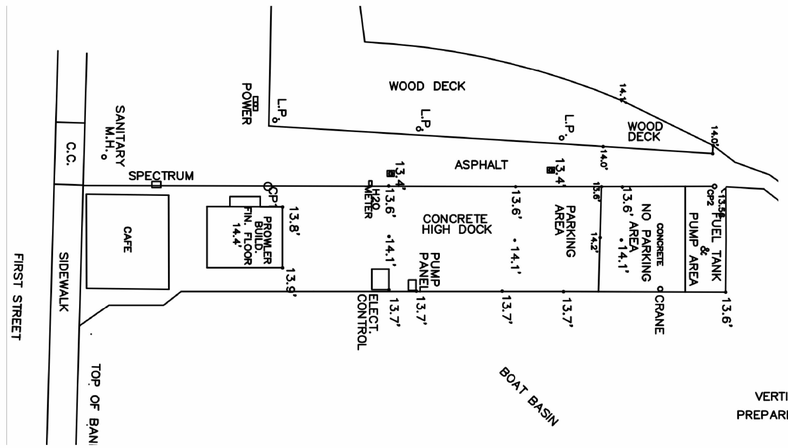

2 EXISTING SURVEY
1" = 30'-0"

0' 15' 30' 60' 120'

1 VICINITY MAP
N.T.S.

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COOS BAY, OREGON
STATE OF OREGON

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

PERMIT

REVISIONS:

#	DATE	DESCRIPTION

DATE: FEBRUARY 2024

SHEET TITLE:
COVER SHEET

G0.1

ABBREVIATIONS

ABBREVIATIONS BELOW ARE FOR ARCHITECTURAL SHEETS ONLY

	ANGLE
@	AT
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
CIP	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	CARD READER
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
(E)	EXISTING
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
FF	FINISH FLOOR
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
GFRC	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
KD	KNOCKED DOWN
KO	KNOCK-OUT / KNEE OPENING
L	LENGTH
LAB	LABORATORY
LAM	LAMINATED
LB	POUND
LBS	POUNDS
LD	LINEAR DIFFUSER
LDG	LANDING
LF	LINEAR FOOT
LG	LONG
LGT	LIGHT
LKR	LOCKER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LP	LOW POINT
LSH	LONG SLOTTED HOLE
LTG	LIGHTING
LVR	LOUVER
LWC	LIGHTWEIGHT CONCRETE
MACH	MACHINE
MAN	MANUAL
MAR	MARBLE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBW	MASONRY BEARING WALL
MC	MECHANICAL CONTRACTOR
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MK	MARK
ML	METAL LATH
MLDG	MOLDING
MO	MASONRY OPENING
MP	METAL PARTITION
MS	MACHINE SCREW
MTD	MOUNTED
MTG	MOUNTING

NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NON-SHRINK
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
O/	OVER
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER/OVERFLOW DRAIN
OFCI	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	POLISHED
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
SA	SELF ADHERED
SAMF	SELF ADHERED MEMBRANE FLASHING
SAT	STANDARD AGGREGATE TOPPING
SAWRB	SELF ADHERED WATER RESISTIVE BARRIER
SB	SOIL BEARING
SC	SEAMLESS COATING
SCF	SPECIAL CONCRETE FINISH
SCHD	SCHEDULE
SD	SOAP DISPENSER
SE	SHELF EDGE
SECT	SECTION
SF	SAND FLOAT
SG	SUPPLY AIR GRILLE
SGL	SINGLE
SH	SHELF
SHD	SHOWER DOOR
SHT	SHEET
SIM	SIMILAR
SJ	STEEL JOIST
SLV	SHORT LEG VERTICAL
SM	SMOOTH
SND	SANITARY NAPKIN DISPENSER
SNV	SANITARY NAPKIN VENDER
SOG	SLAB ON GRADE
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
SR	SHOWER ROD
SS	STAINLESS STEEL
ST	STREET
STD	STANDARD
STL	STEEL
STO	STORAGE
STRU	STRUCTURAL/STRUCTURE
SUSP	SUSPENDED
SV	SHEET VINYL
SYM	SYMMETRICAL

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
WPFG	WATERPROOFING
WR	WASTE RECEPTACLE
WRB	WATER RESISTIVE BARRIER
WSCT	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:	1,874 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: 22 feet; OK
- Stories (Table 504.4):
  - Allowable: 2 story
  - Actual: 1 story; OK
- Area (Table 506.2):
  - Allowable: 9,000 sq. ft.
  - Actual: 1,874 sq. ft.; OK

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

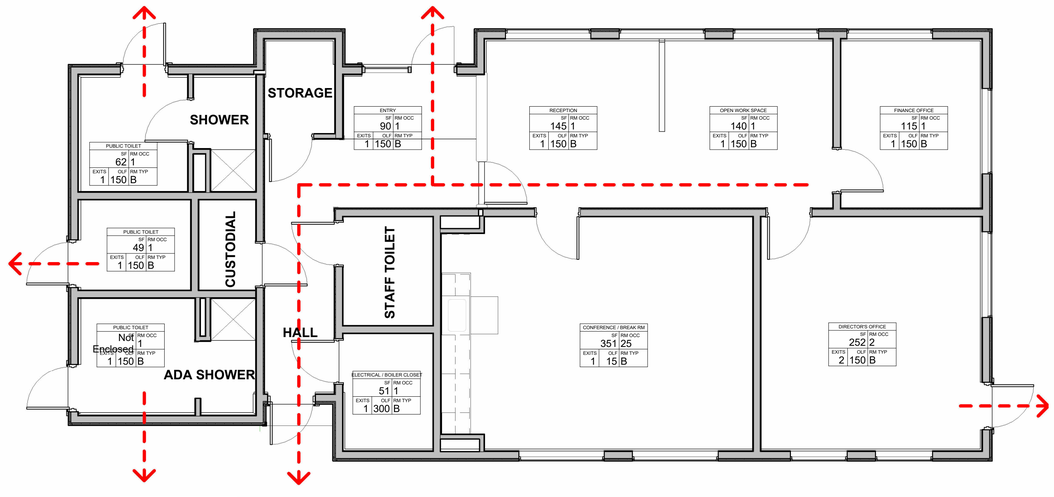
PLUMBING FIXTURES REQUIRED (Table 2902.1):
Total occupant load: 35
Required:
- 1 toilet per 25; 2 total
- 1 lavatory per 40; 1 total
- 0 drinking fountains required
- Actual:
  - 4 toilets (single-user); OK
  - 4 lavatories (single-user); OK

1 **INSULATION MINIMUMS:**

Roof	R-30 rigid
Wood-framed walls	R-21 batt & R-5 rigid
Concrete stem walls	R-10 rigid
Radiant-heated slab	R-20 rigid 2

OCCUPANCY SCHEDULE

NO.	ROOM NAME	AREA	TYPE	OLF	OCC. LOAD	EXITS
1	ENTRY	90 SF	B	150	1	1
2	RECEPTION	145 SF	B	150	1	1
3	OPEN WORK SPACE	140 SF	B	150	1	1
4	FINANCE OFFICE	115 SF	B	150	1	1
5	DIRECTOR'S OFFICE	252 SF	B	150	2	2
6	CONFERENCE / BREAK RM	351 SF	B	15	25	1
7	ELECTRICAL / BOILER CLOSET	51 SF	B	300	1	1
12	PUBLIC TOILET	62 SF	B	150	1	1
14	PUBLIC TOILET	49 SF	B	150	1	1
15	PUBLIC TOILET	Not Enclosed	B	150	1	1
TOTAL OCCUPANTS:					35	



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

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REGISTERED ARCHITECT
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JOSEPH A. SLACK
COOS BAY, OREGON
STATE OF OREGON

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

PERMIT

REVISIONS:

#	DATE	DESCRIPTION
1	JUNE 2024	PERMIT REVISIONS
2	NOV. 2024	RE-BID REVISIONS

DATE: FEBRUARY 2024

SHEET TITLE:
CODE SUMMARY & ABBREVIATIONS

G0.2

1 SITE PLAN

1" = 10'-0"

0' 5' 10' 20' 40'

NOTES:

1. SITE DATUM: NAVD 1988; BASE FLOOD ELEVATION: 16.00'.
2. SEWER & WATER LINE LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED ON-SITE BY CONTRACTOR.

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PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

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DATE: FEBRUARY 2024

SHEET TITLE:
SITE PLAN

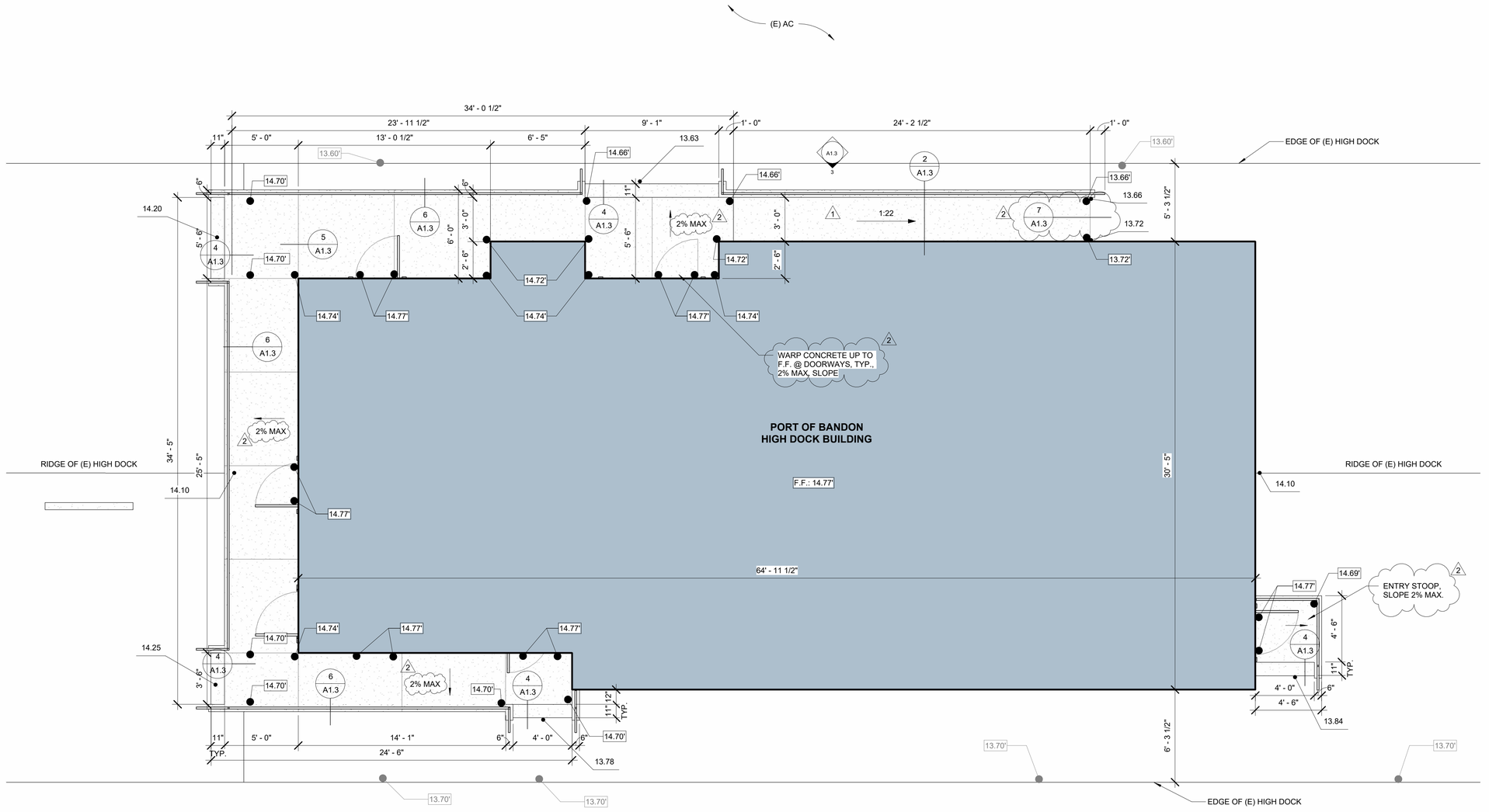
A1.1

GRADING PLAN LEGEND

EXT'G SURVEY POINT — XX.XX

INTERPOLATED ELEVATION @ (E) HIGH DOCK — XX.XX

PROPOSED ELEVATION — XX.XX



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

1 ENLARGED SITE PLAN / GRADING PLAN

1/4" = 1'-0"

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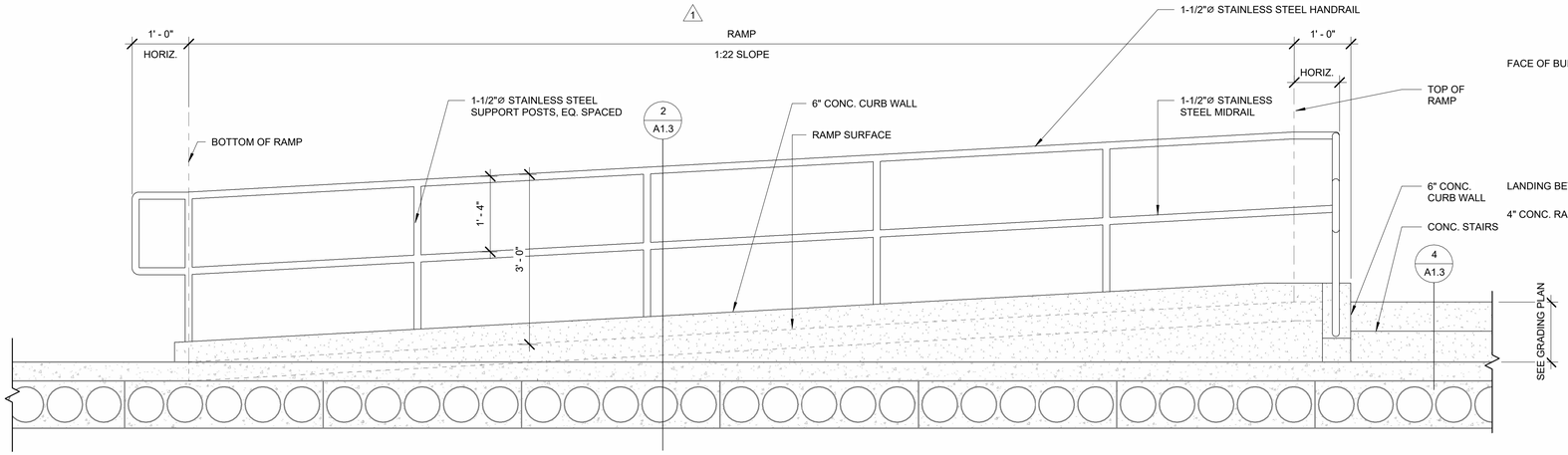
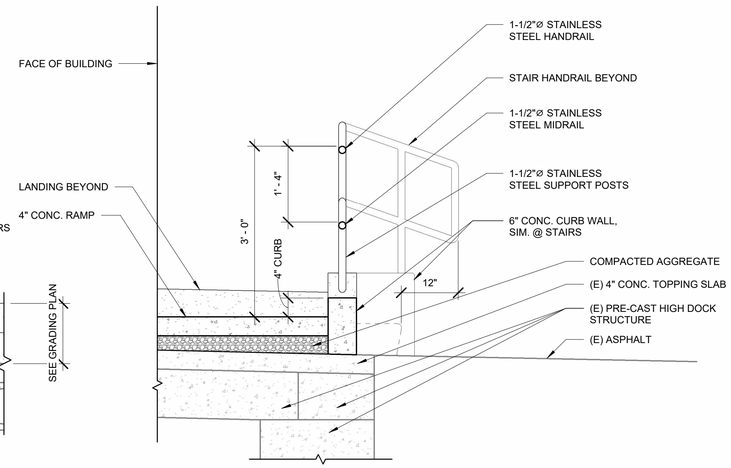
SHEET TITLE:
ENGLARGED SITE PLAN / GRADING PLAN

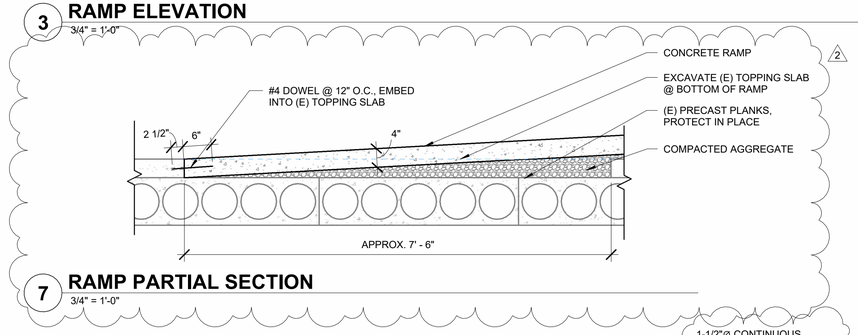
A1.2



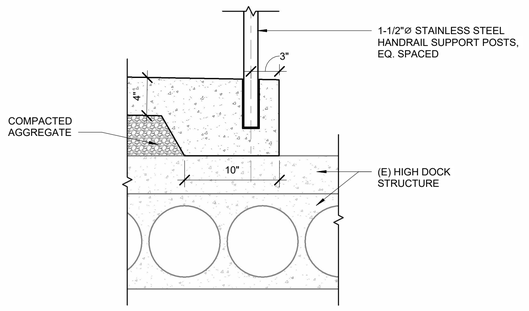


3 RAMP ELEVATION
3/4" = 1'-0"

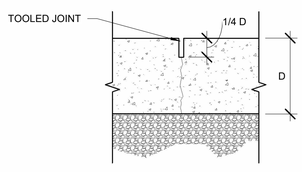
2 RAMP CROSS SECTION
3/4" = 1'-0"



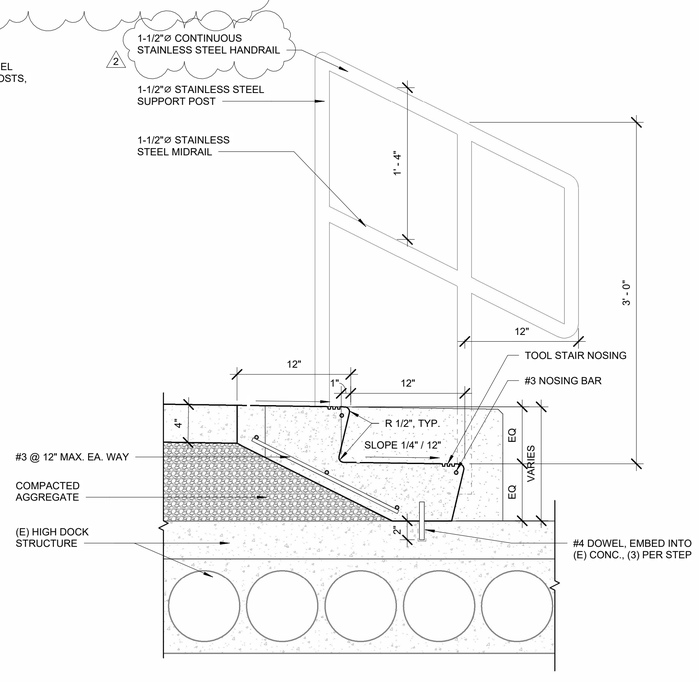
7 RAMP PARTIAL SECTION
3/4" = 1'-0"



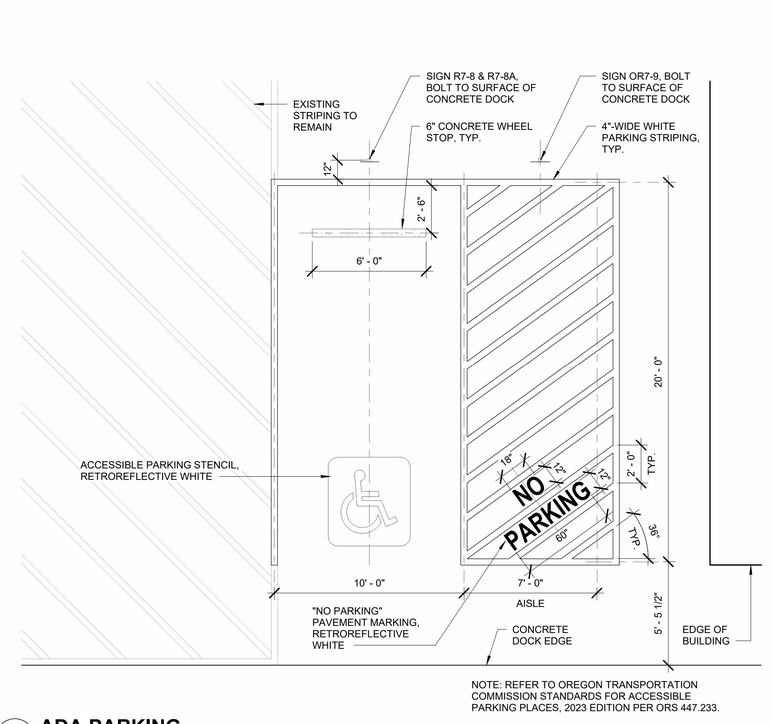
6 CONC. WALK EDGE
1 1/2" = 1'-0"



5 CRACK CONTROL JOINT
3" = 1'-0"



4 CONC. STAIRS
1 1/2" = 1'-0"



NOTE: REFER TO OREGON TRANSPORTATION COMMISSION STANDARDS FOR ACCESSIBLE PARKING PLACES, 2023 EDITION PER ORS 447.233.

1 ADA PARKING
1/4" = 1'-0"

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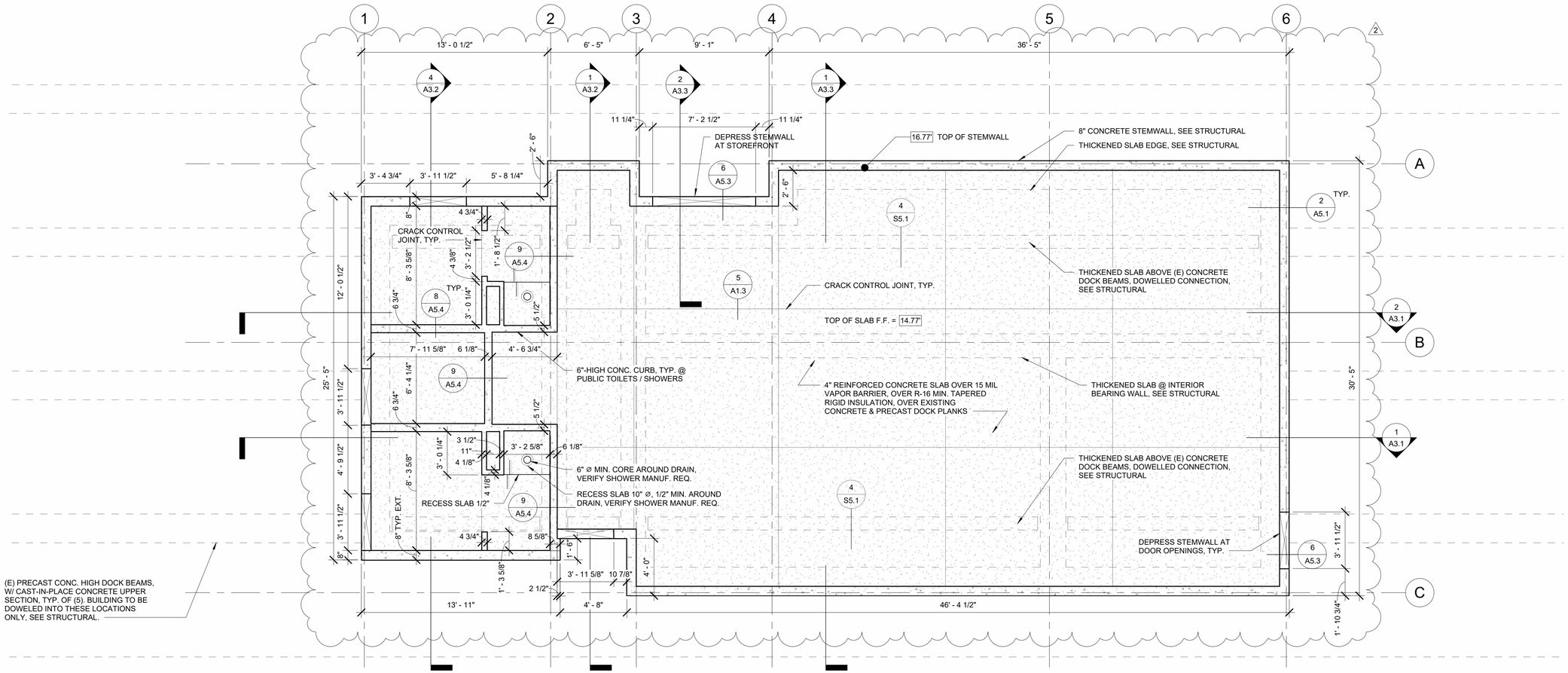
2	NOV. 2024	RE-BID REVISIONS

DATE: FEBRUARY 2024

SHEET TITLE:
SITE DETAILS

A1.3



1 SLAB / STEM WALL PLAN- REFER TO STRUCTURAL FOR FOUNDATION PLAN

1/4" = 1'-0"

0' 2' 4' 8' 16'

HGE ARCHITECTS

333 S. 4TH STREET
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general@hge1.com
www.hge1.com

REGISTERED ARCHITECT
2840
JOSEPH A. SLACK
COOS BAY, OREGON
STATE OF OREGON

PROJECT NO.: **22.01**

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

PERMIT

REVISIONS:

#	DATE	DESCRIPTION
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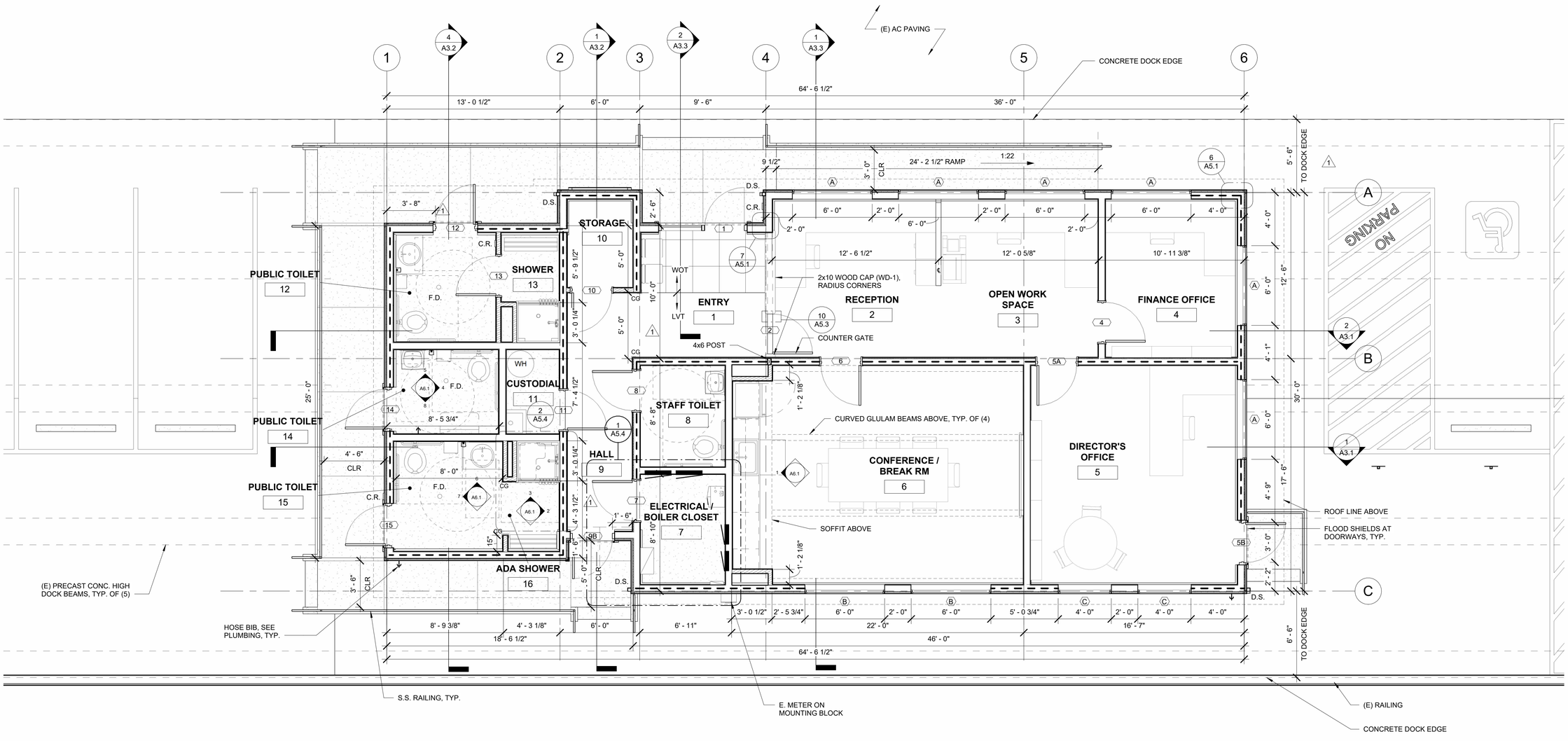
DATE: FEBRUARY 2024

SHEET TITLE:
FOUNDATION PLAN

A2.1



1 FLOOR PLAN

1/4" = 1'-0"

NOTE: DIMENSIONS ARE FROM FACE OF STUD UNLESS NOTED OTHERWISE

0' 2' 4' 8' 16'

WALL LEGEND

- 2x4 @ 16" O.C.
- 2x6 @ 16" O.C.
- SHEAR WALL, SEE STRUCTURAL

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REVISIONS:

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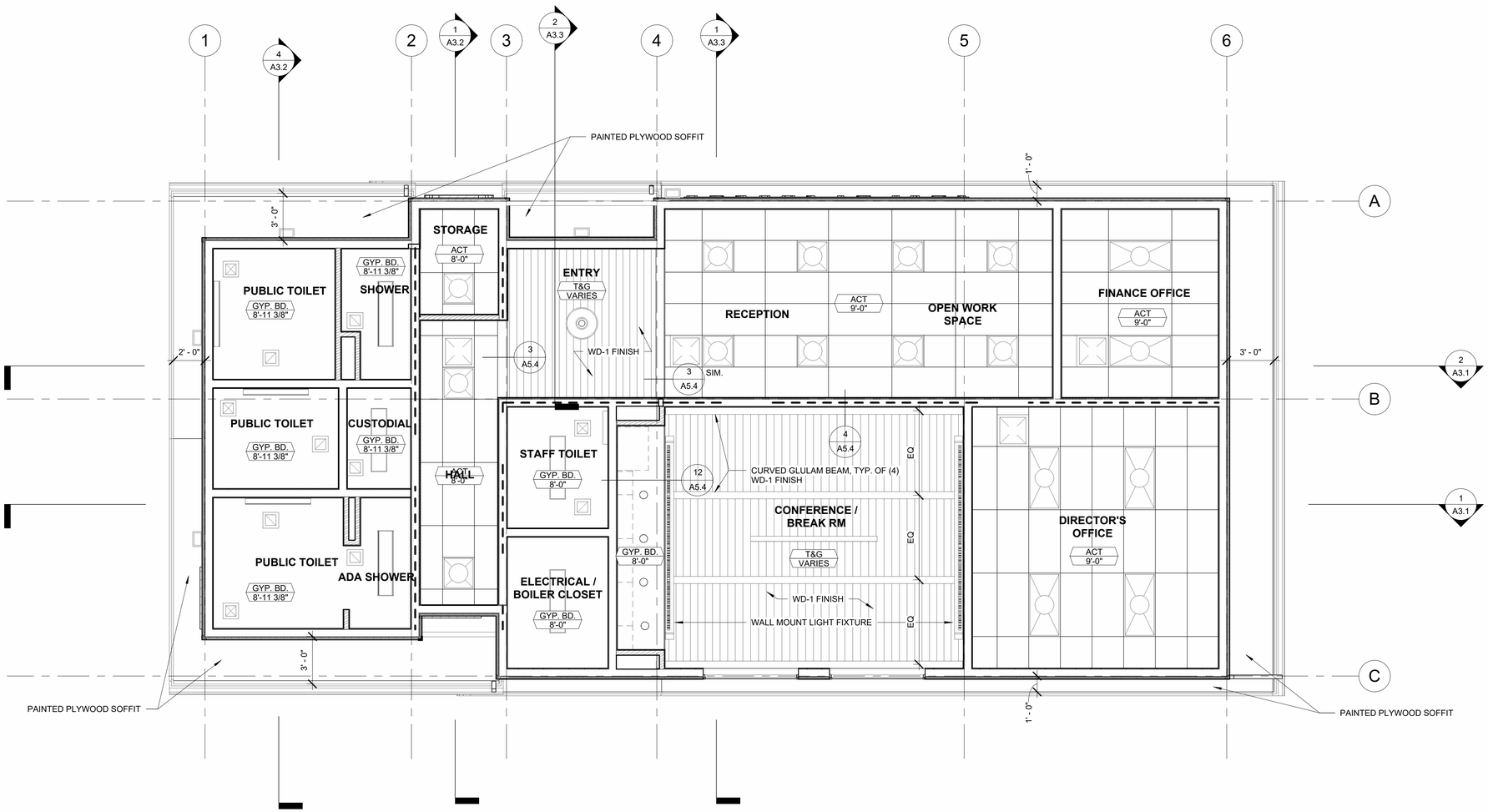
SHEET TITLE:
FLOOR PLAN

A2.2



1 REFLECTED CEILING PLAN

1/4" = 1'-0"

0' 2' 4' 8' 16'

WALL LEGEND

- 2x4 @ 16" O.C.
- 2x6 @ 16" O.C.
- SHEAR WALL, SEE STRUCTURAL

CEILING LEGEND

- SUSPENDED ACOUSTICAL CEILING

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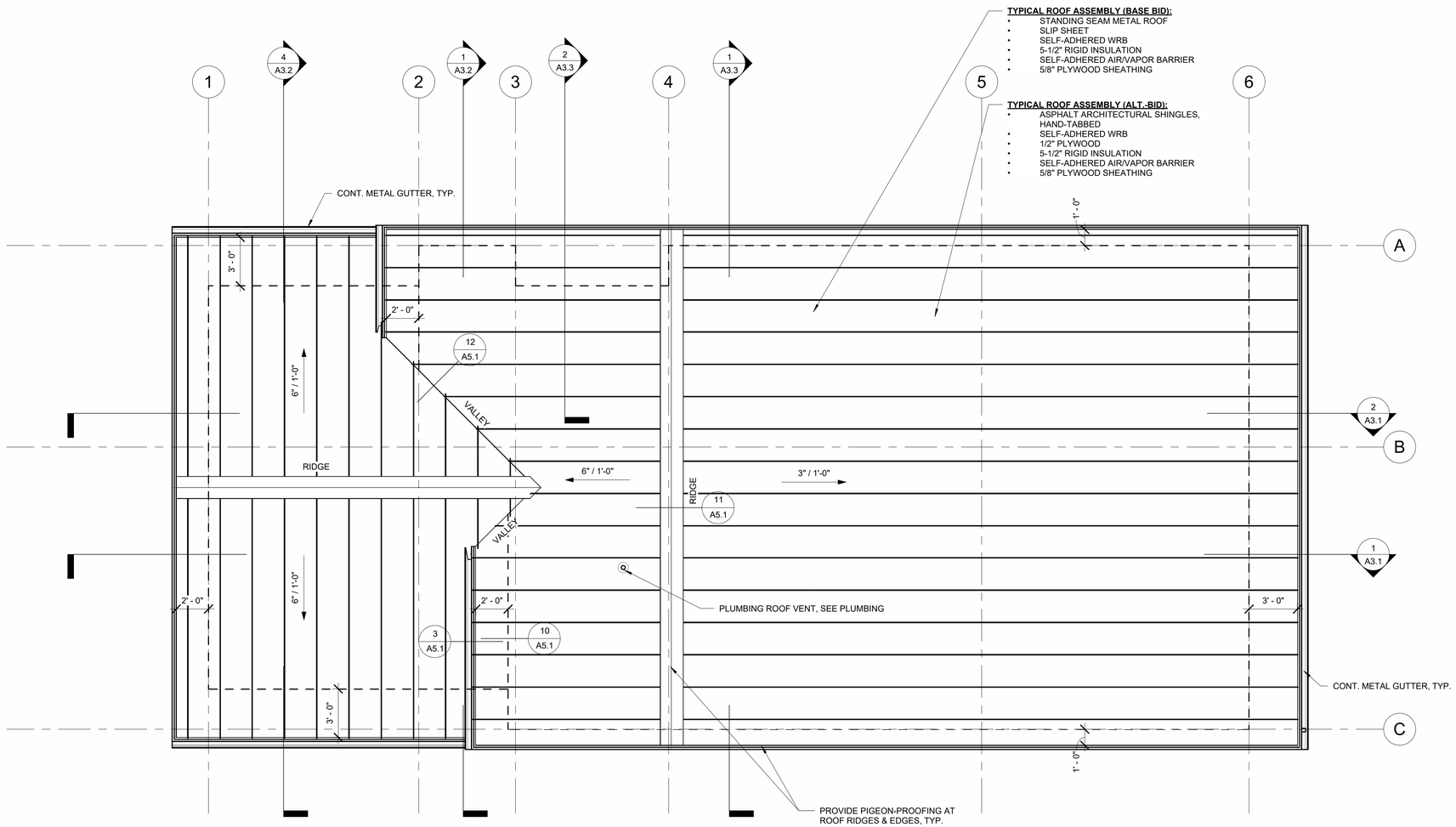
#	DATE	DESCRIPTION

DATE: FEBRUARY 2024

SHEET TITLE:
REFLECTED CEILING PLAN

A2.3



1 ROOF PLAN

1/4" = 1'-0"

0' 2' 4' 8' 16'

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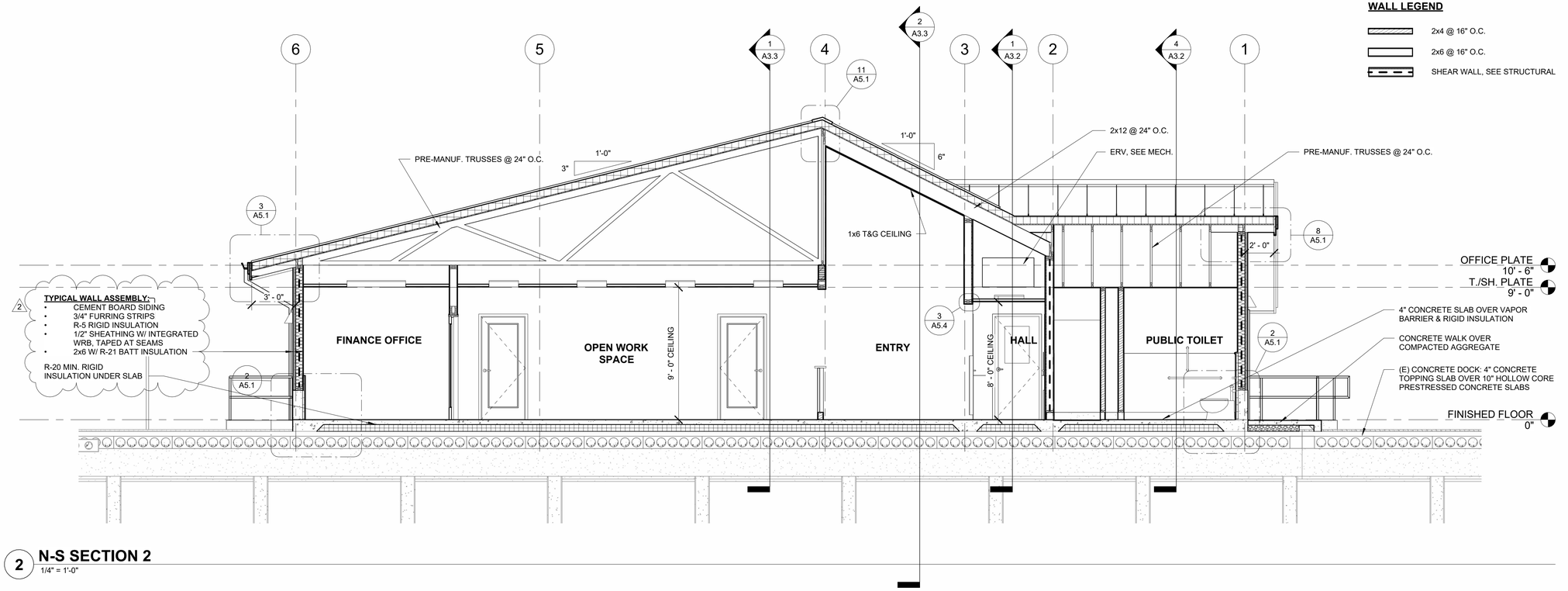
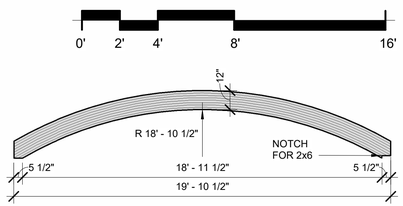
SHEET TITLE:
ROOF PLAN

A2.4



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



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

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

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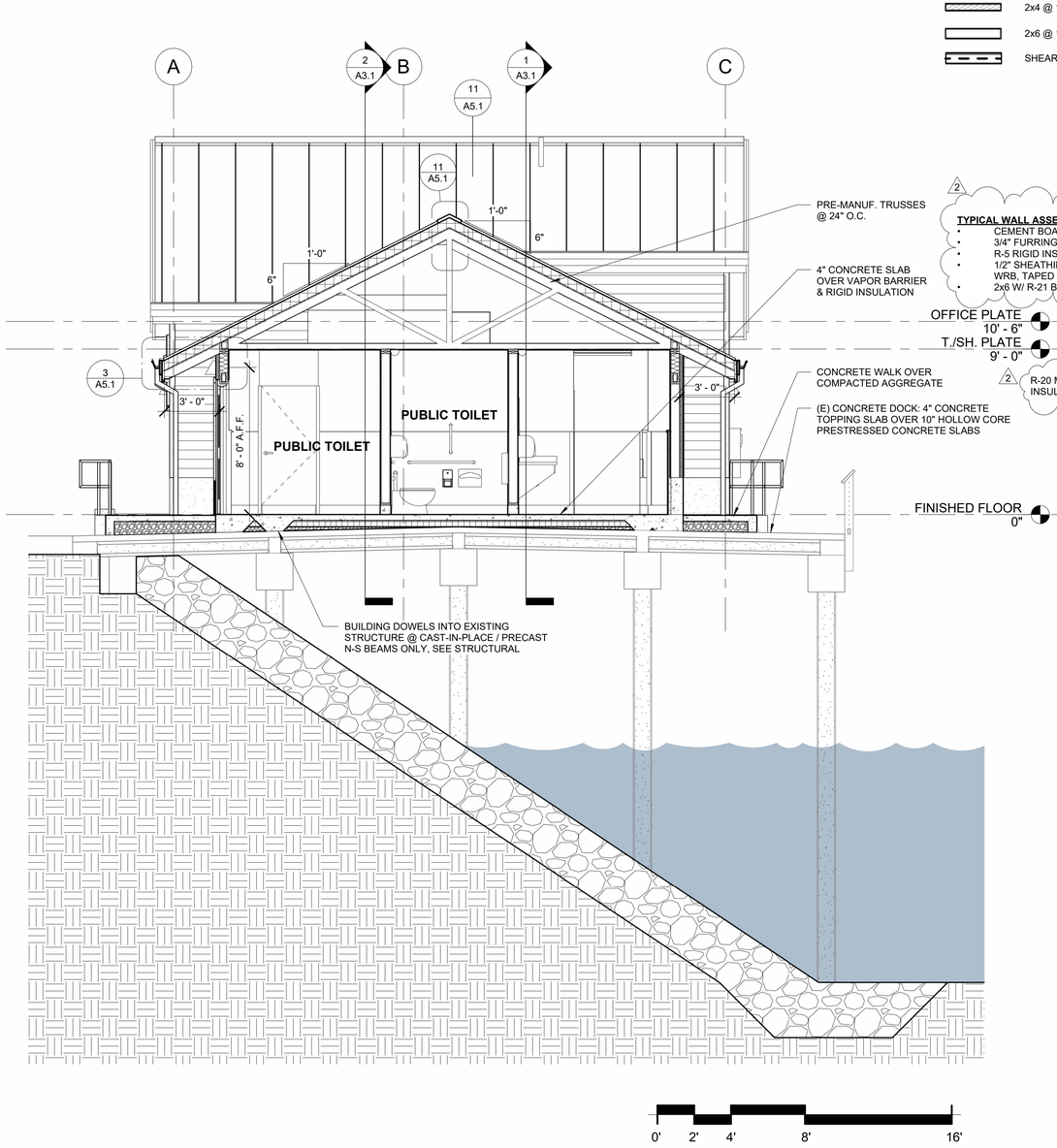
SHEET TITLE:
BUILDING SECTIONS

A3.1

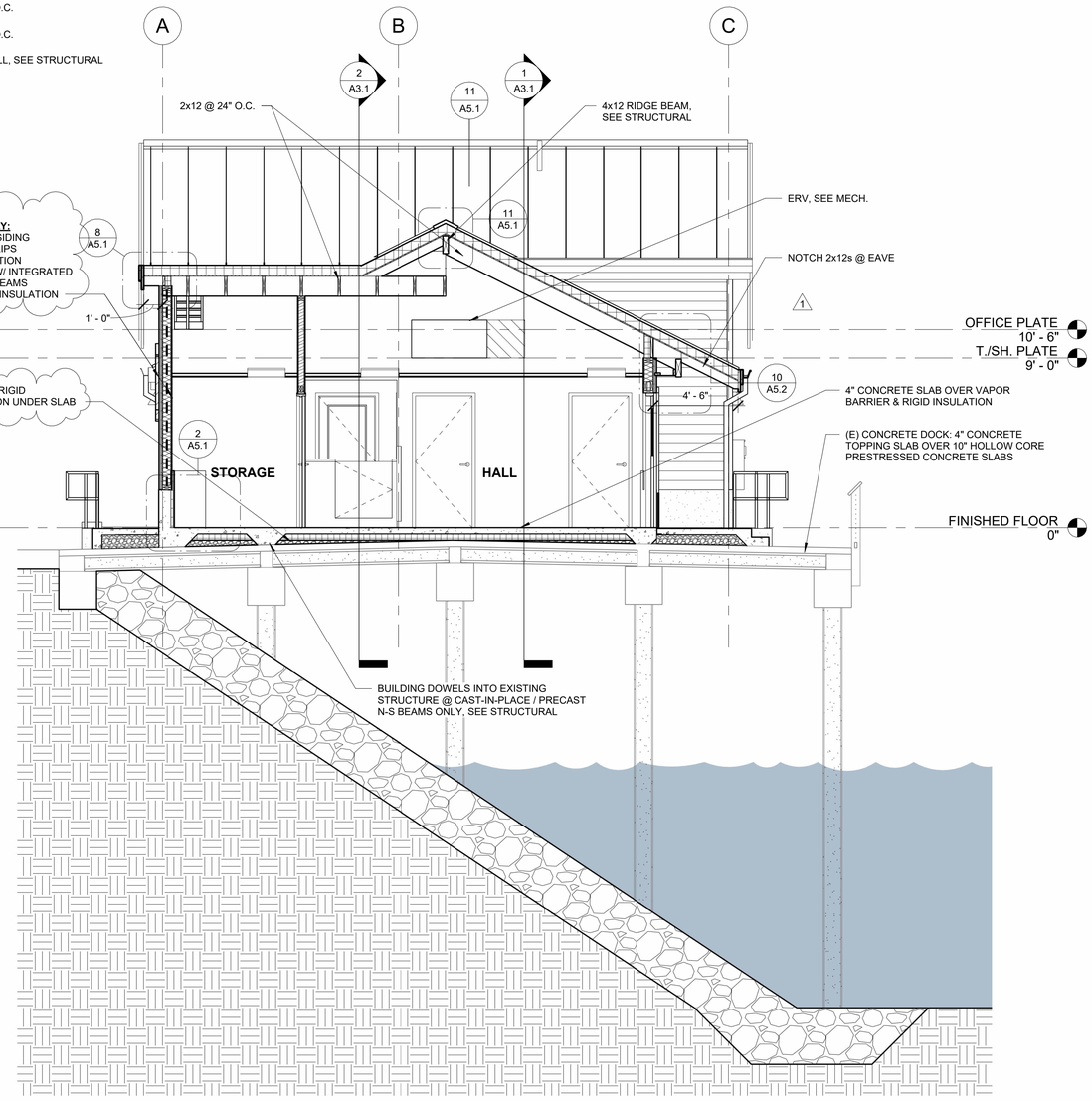
WALL LEGEND

- 2x4 @ 16" O.C.
- 2x6 @ 16" O.C.
- SHEAR WALL, SEE STRUCTURAL



4 E-W SECTION 1

1/4" = 1'-0"



1 E-W SECTION 2

1/4" = 1'-0"

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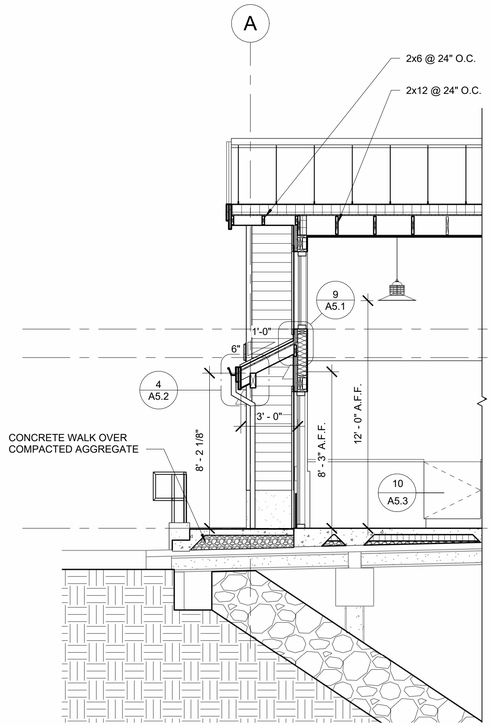
BUILDING SECTIONS

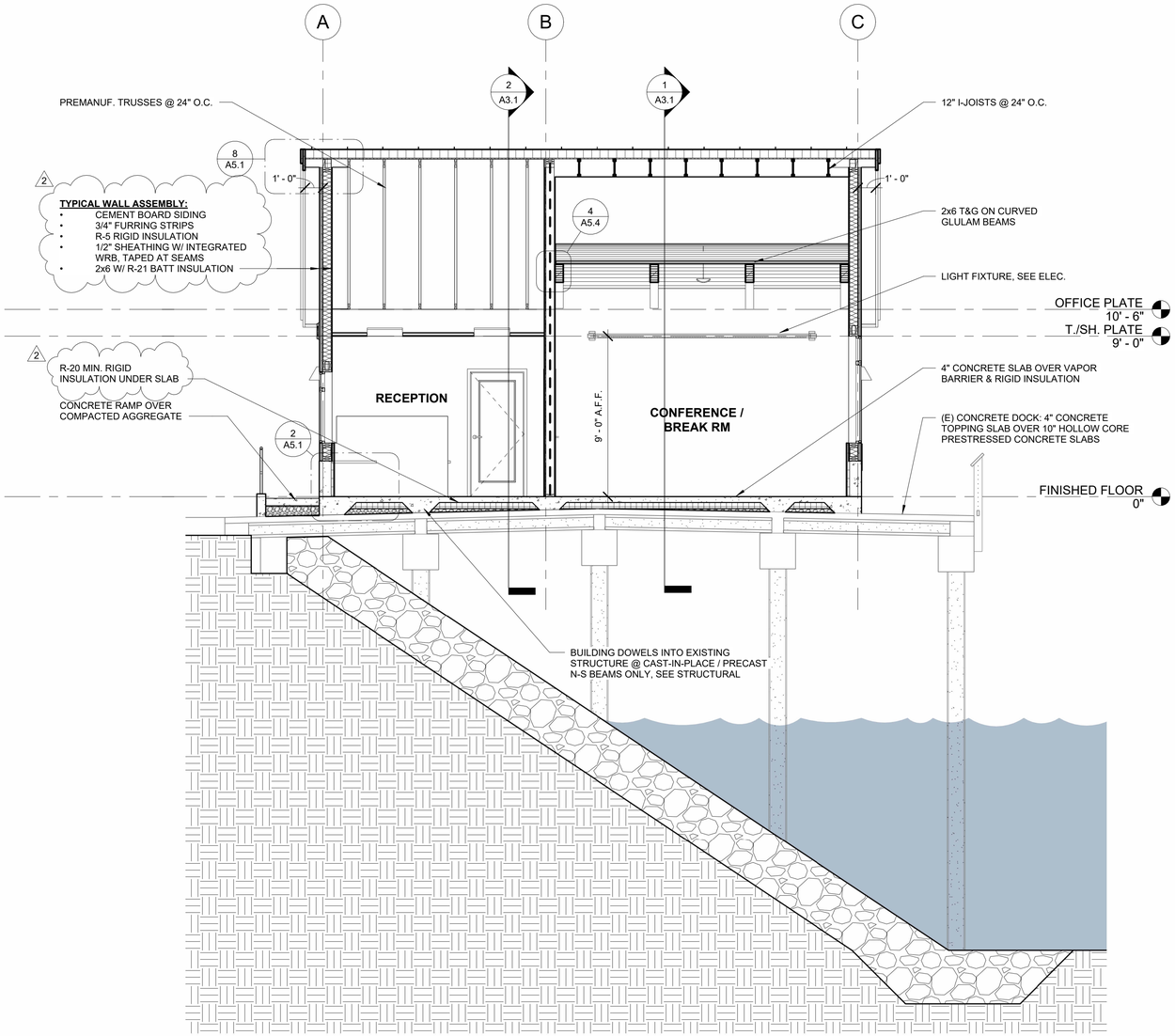
A3.2

WALL LEGEND

- 2x4 @ 16" O.C.
- 2x6 @ 16" O.C.
- SHEAR WALL, SEE STRUCTURAL



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



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

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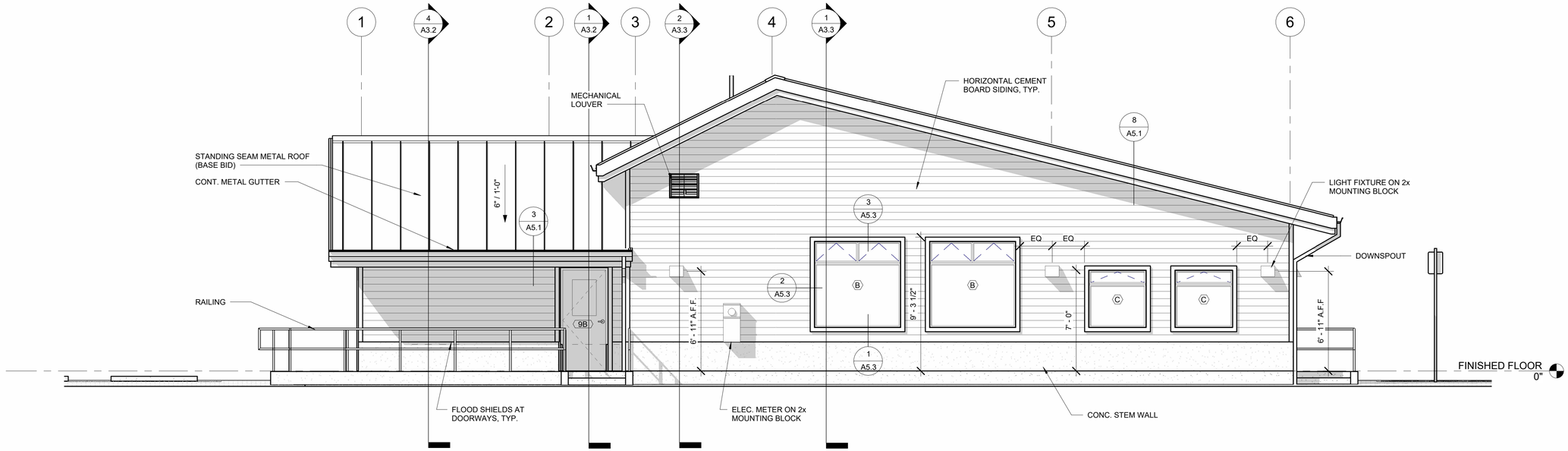
SHEET TITLE:
BUILDING SECTIONS

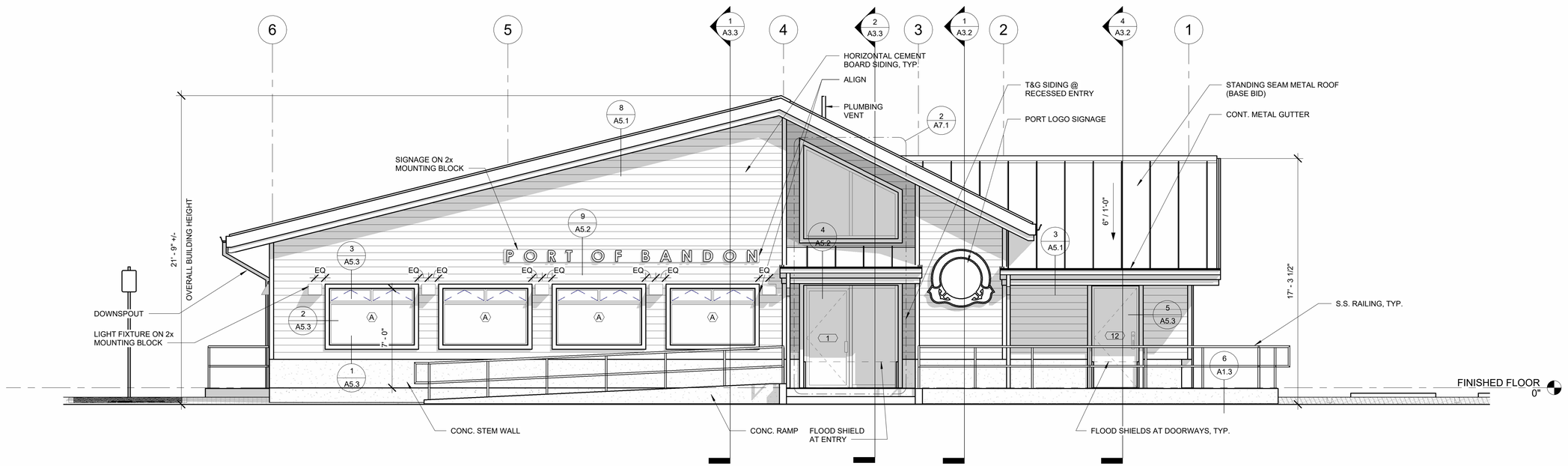
A3.3



2 EAST ELEVATION

1/4" = 1'-0"

0' 2' 4' 8' 16'



1 WEST ELEVATION

1/4" = 1'-0"

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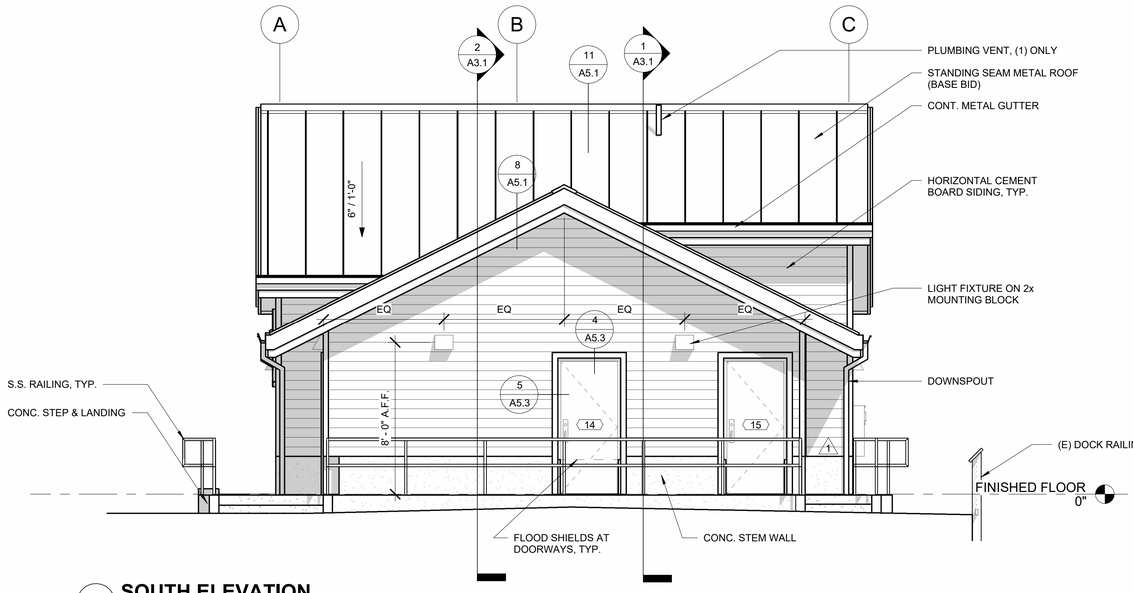
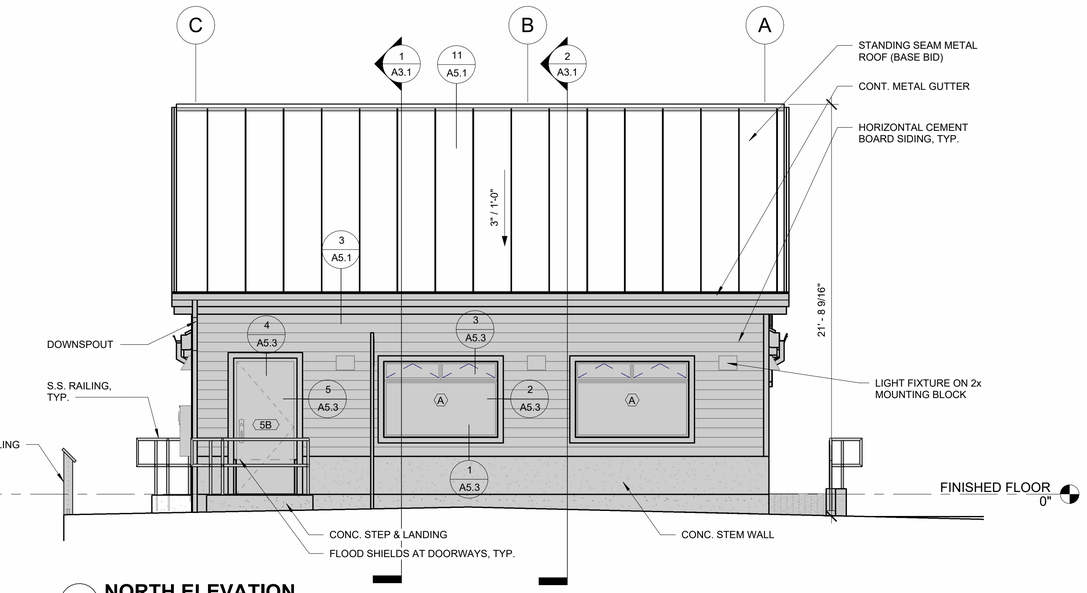
SHEET TITLE:
EXTERIOR ELEVATIONS

A4.1



1 SOUTH ELEVATION

1/4" = 1'-0"



2 NORTH ELEVATION

1/4" = 1'-0"

0' 2' 4' 8' 16'

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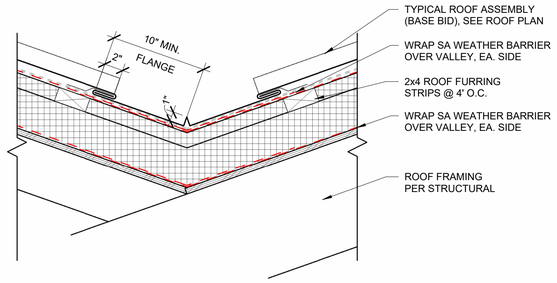
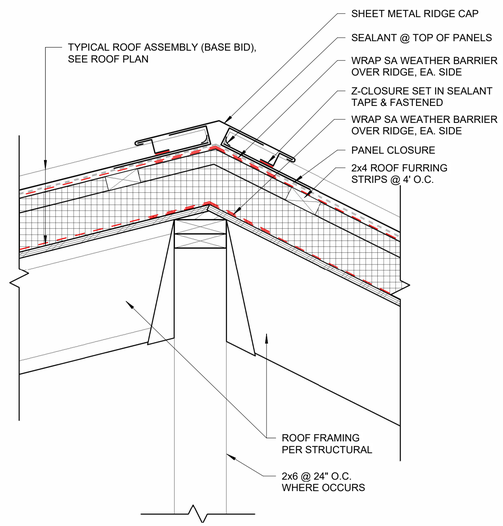
SHEET TITLE:
EXTERIOR ELEVATIONS

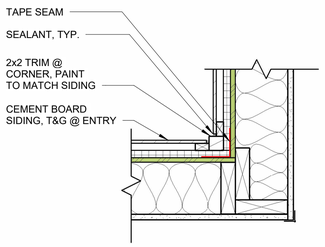
A4.2



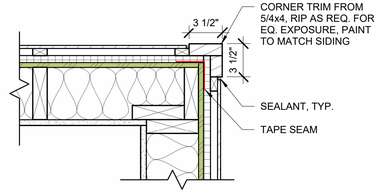
12 VALLEY (BASE BID)
1 1/2" = 1'-0"



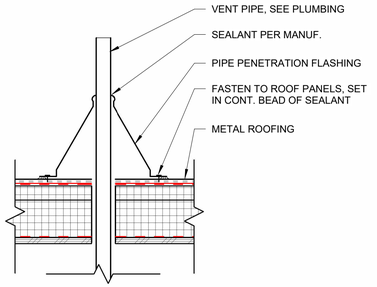
11 RIDGE (BASE BID)
1 1/2" = 1'-0"



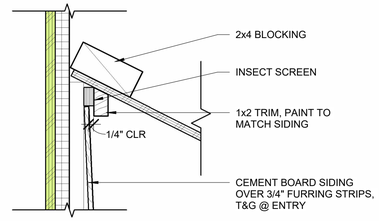
7 INSIDE CORNER
1 1/2" = 1'-0"



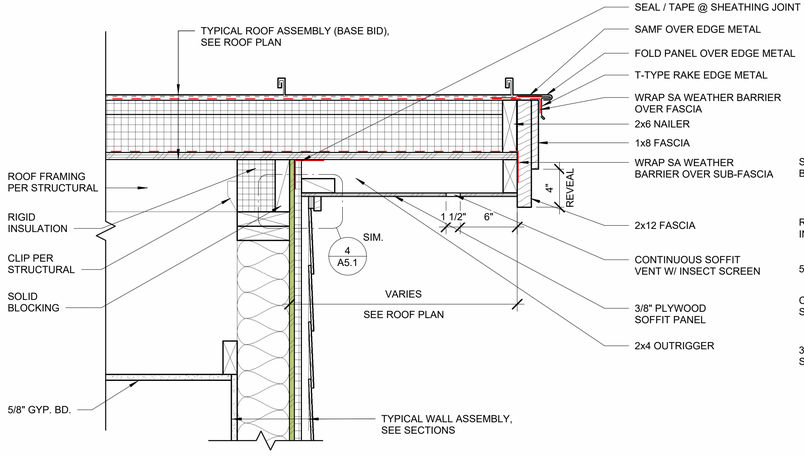
6 OUTSIDE CORNER
1 1/2" = 1'-0"



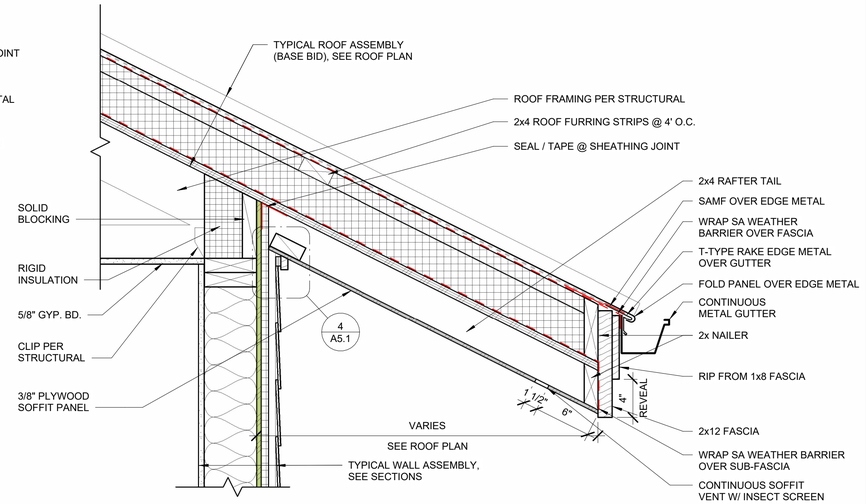
5 VENT PIPE DETAIL (BASE BID)
1 1/2" = 1'-0"



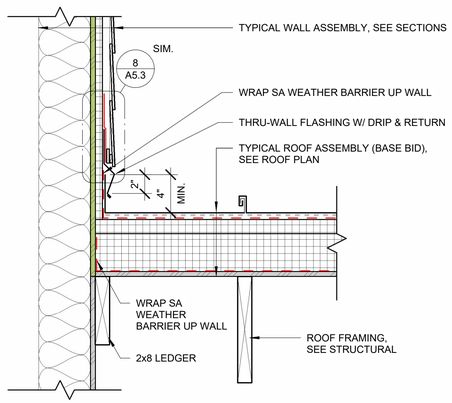
4 TOP OF RAINSCREEN
3" = 1'-0"



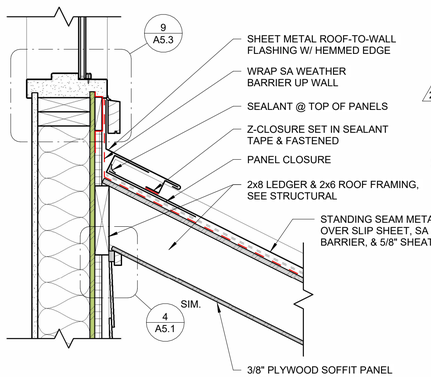
8 TYP. RAKE (BASE BID)
1 1/2" = 1'-0"



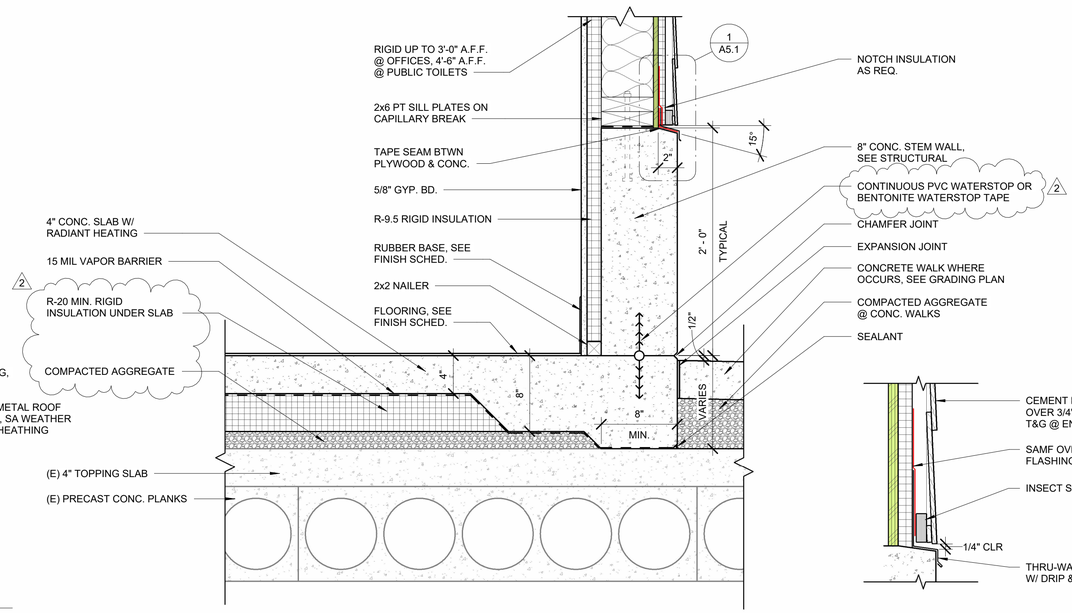
3 TYP. EAVE (BASE BID)
1 1/2" = 1'-0"



10 TYP. ROOF @ WALL (BASE BID)
1 1/2" = 1'-0"



9 ENTRY ROOF @ WALL (BASE BID)
1 1/2" = 1'-0"



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

1 BOTTOM OF RAINSCREEN @ STEM WALL
3" = 1'-0"

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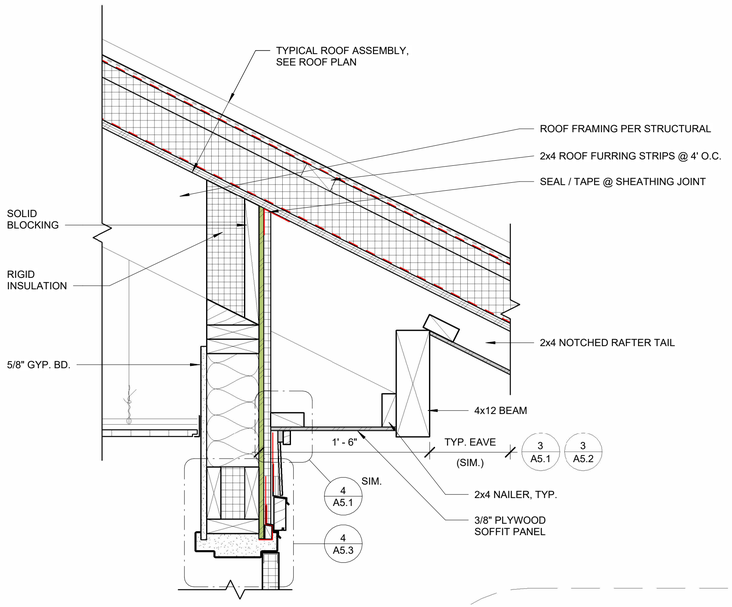
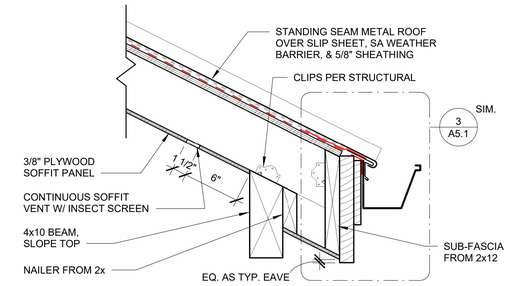
EXTERIOR DETAILS

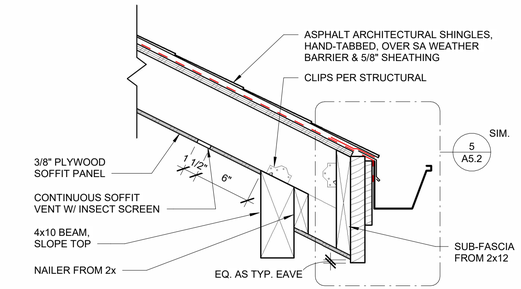
A5.1



10 EAVE @ ALCOVE
1 1/2" = 1'-0"

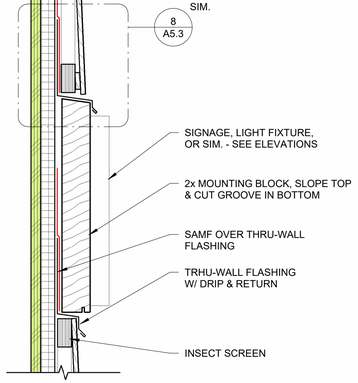


4 EAVE @ ENTRY (BASE BID)
1 1/2" = 1'-0"

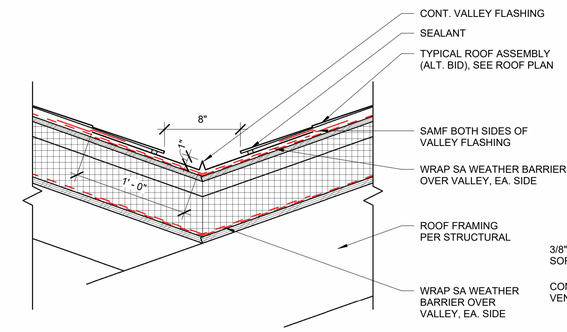


3 EAVE @ ENTRY (ALT. BID)
1 1/2" = 1'-0"

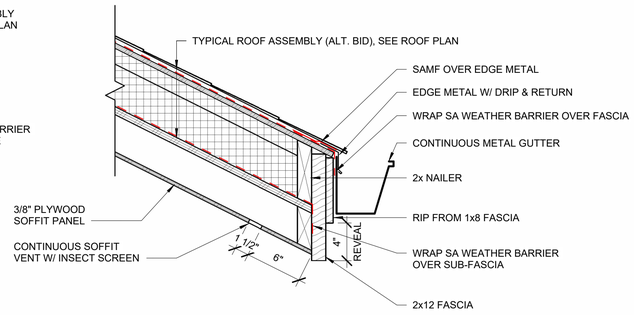
ALTERNATE BID DETAILS



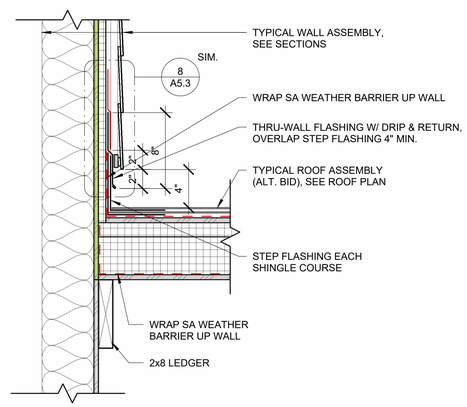
9 MOUNTING BLOCK
3" = 1'-0"



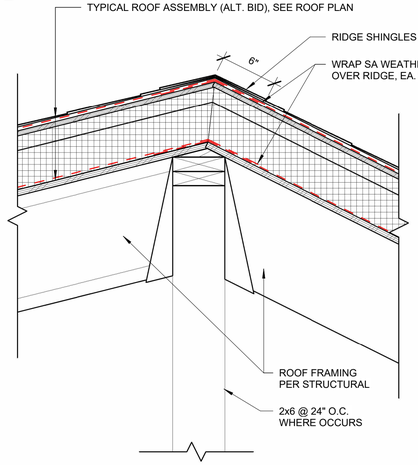
8 VALLEY (ALT. BID)
1 1/2" = 1'-0"



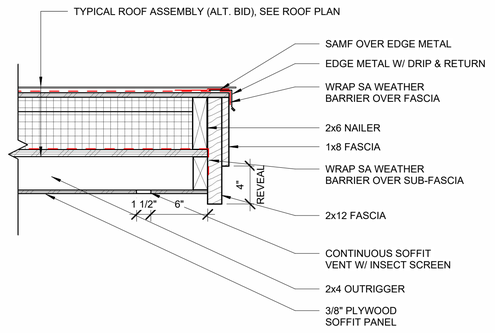
5 TYP. EAVE (ALT. BID)
1 1/2" = 1'-0"



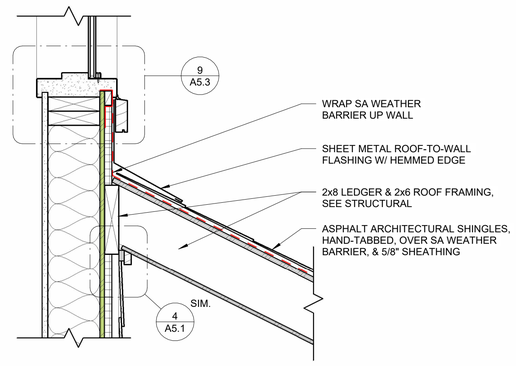
2 TYP. ROOF @ WALL (ALT. BID)
1 1/2" = 1'-0"



7 RIDGE (ALT. BID)
1 1/2" = 1'-0"



6 TYP. RAKE (ALT. BID)
1 1/2" = 1'-0"



1 ENTRY ROOF @ WALL (ALT. BID)
1 1/2" = 1'-0"

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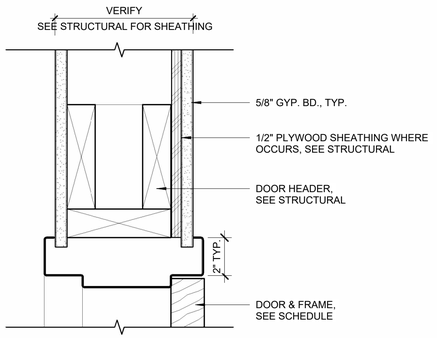
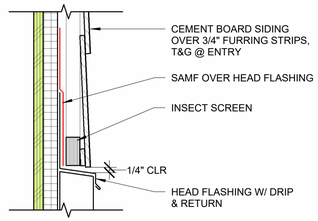
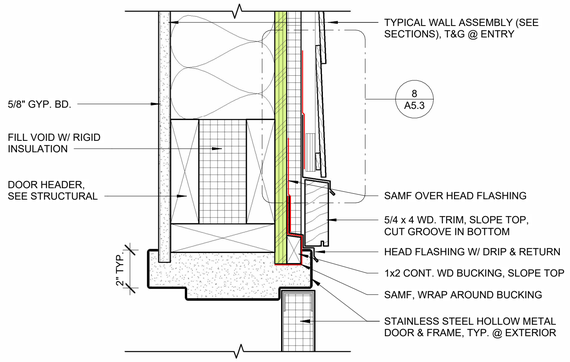
A5.2



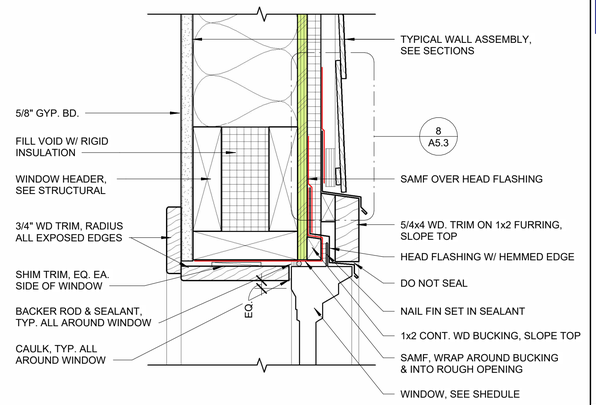
11 INT. DOOR HEAD, JAMB SIM.
3" = 1'-0"



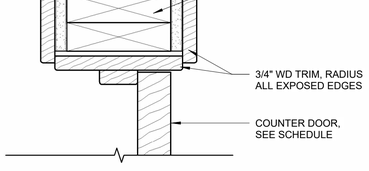
8 BOTTOM OF RAINSCREEN @ OPENINGS
3" = 1'-0"



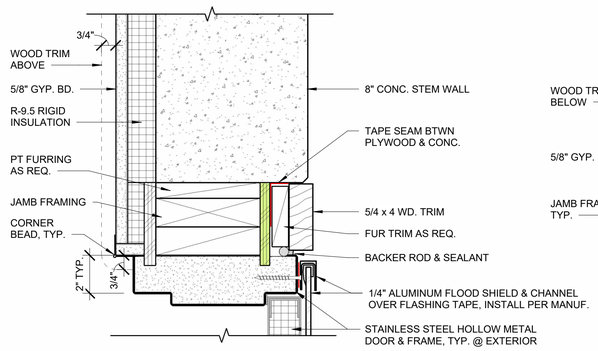
4 HM DOOR HEAD, HM WINDOW HEAD SIM.
3" = 1'-0"



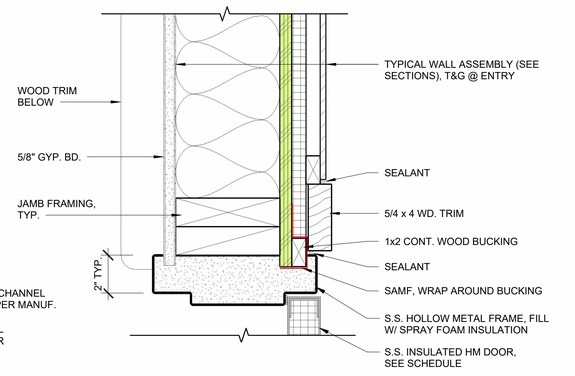
3 WINDOW HEAD
3" = 1'-0"



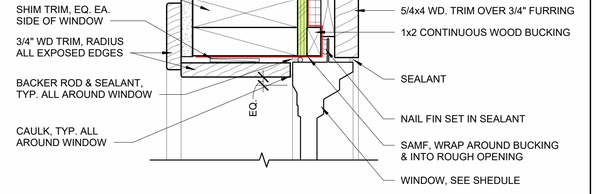
10 COUNTER DOOR JAMB
3" = 1'-0"



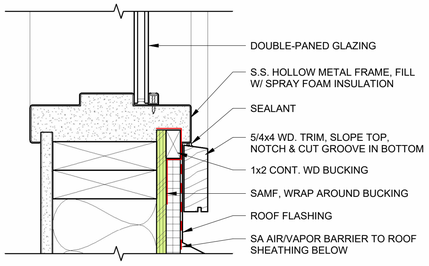
7 HM DOOR JAMB @ STEM WALL
3" = 1'-0"



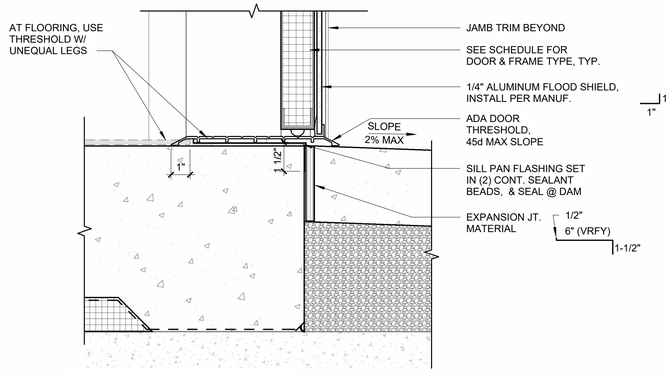
5 HM DOOR JAMB @ SIDING, HM WINDOW JAMB SIM.
3" = 1'-0"



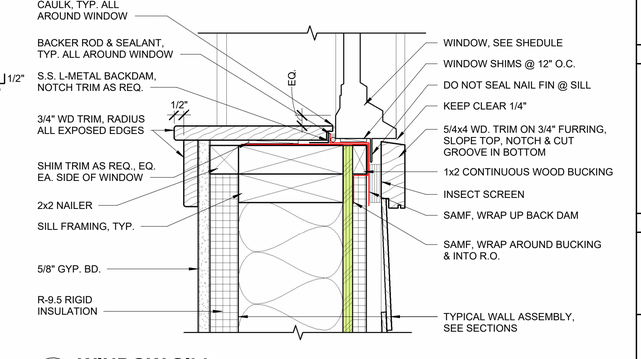
2 WINDOW JAMB
3" = 1'-0"



9 HM WINDOW SILL ABOVE CANOPY
3" = 1'-0"



6 HM DOOR THRESHOLD
3" = 1'-0"



1 WINDOW SILL
3" = 1'-0"

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REGISTERED ARCHITECT
2840
JOSEPH A. SLACK
COOS BAY, OREGON
STATE OF OREGON

PROJECT NO.: 22.01

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

PERMIT

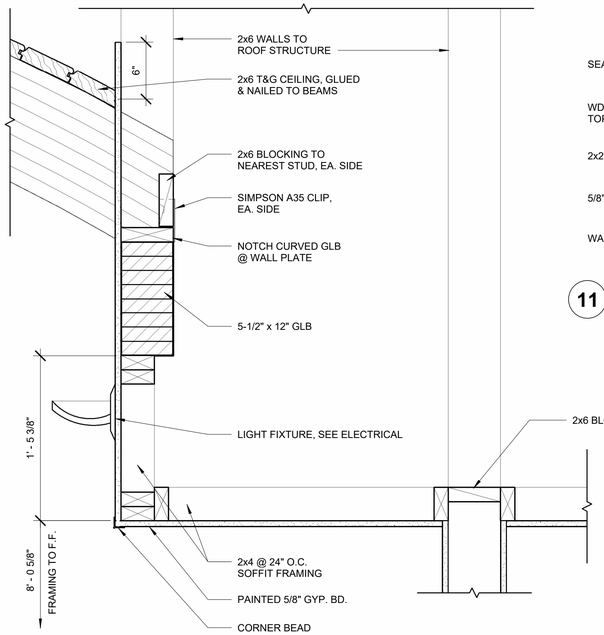
REVISIONS:

#	DATE	DESCRIPTION

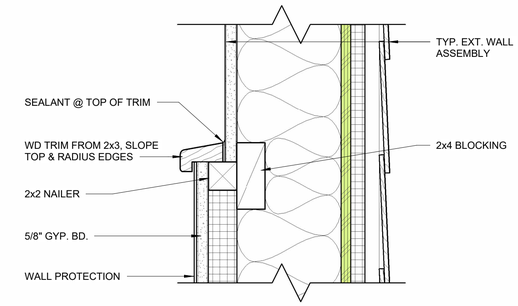
DATE: FEBRUARY 2024

SHEET TITLE:
OPENING DETAILS

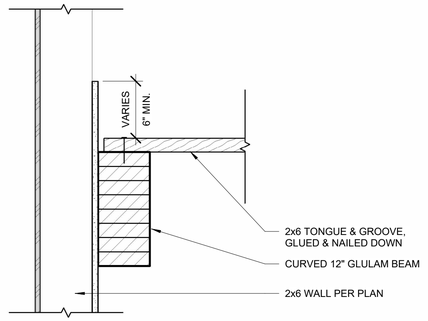
A5.3



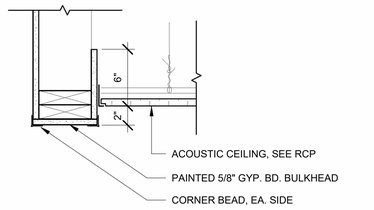
12 CONFERENCE RM SOFFIT
1 1/2" = 1'-0"



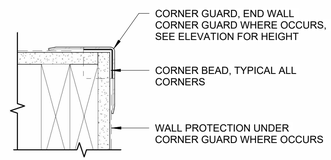
11 TOP OF WALL PROTECTION @ EXT. WALLS
3" = 1'-0"



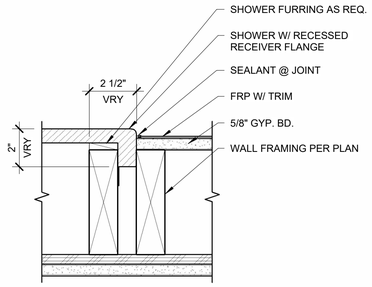
4 T&G @ CONF. RM WALL
1 1/2" = 1'-0"



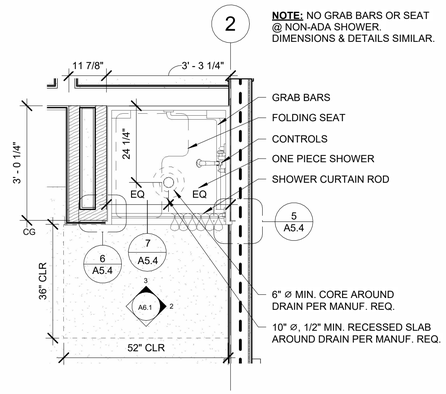
3 BULKHEAD
1 1/2" = 1'-0"



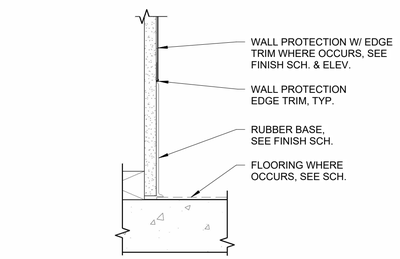
10 CORNER GUARD
3" = 1'-0"



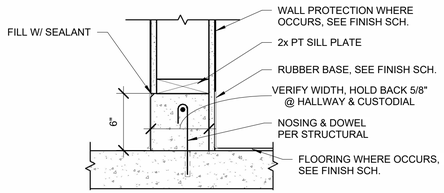
5 SHOWER JAMB, PARALLEL TO WALL
3" = 1'-0"



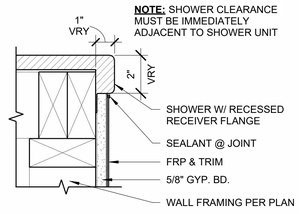
2 ENLARGED PLAN @ ADA SHOWER
1/2" = 1'-0"



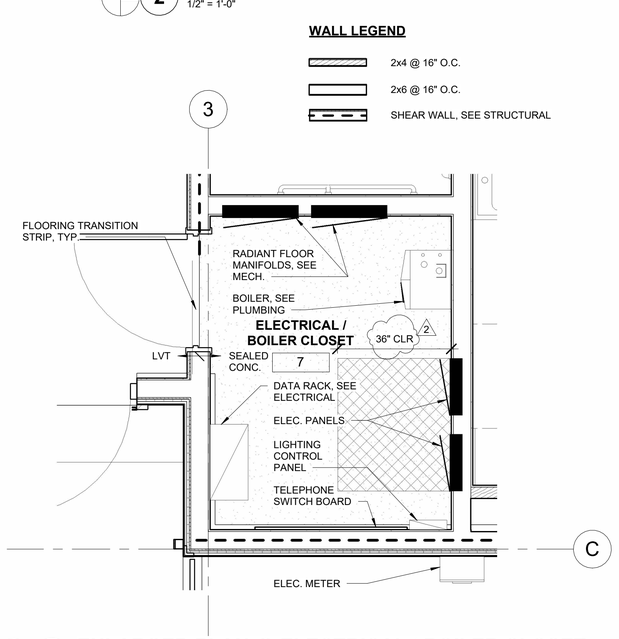
13 WALL BASE
3" = 1'-0"



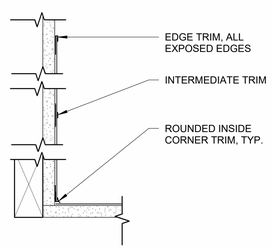
9 CONCRETE CURB @ HALLWAY & CUSTODIAL WALLS
1 1/2" = 1'-0"



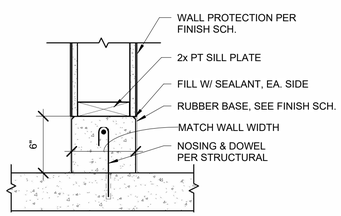
6 SHOWER JAMB, PERP. TO WALL
3" = 1'-0"



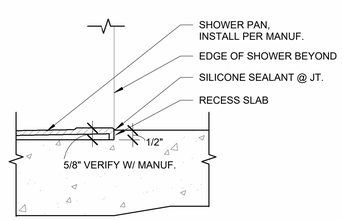
1 ENLARGED PLAN @ ELECTRICAL / BOILER CLOSET
1/2" = 1'-0"



14 WALL PROTECTION
3" = 1'-0"



8 CONCRETE CURB @ PUBLIC TOILETS & SHOWERS
1 1/2" = 1'-0"



7 SHOWER THRESHOLD
3" = 1'-0"

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REGISTERED ARCHITECT
2840
JOSEPH A. SLACK
COOS BAY, OREGON
STATE OF OREGON

PROJECT NO.: 22.01

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

PERMIT

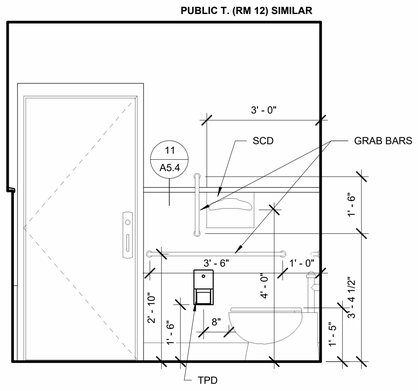
REVISIONS:

#	DATE	DESCRIPTION
2	NOV. 2024	RE-BID REVISIONS

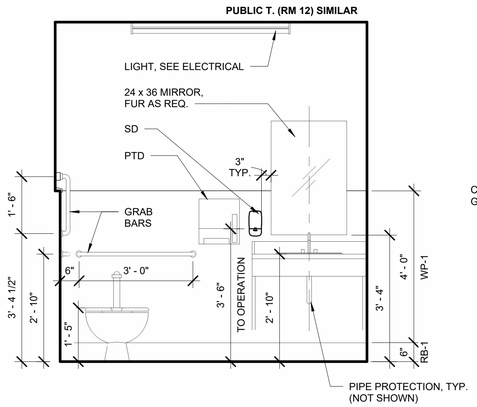
DATE: FEBRUARY 2024

SHEET TITLE:
INTERIOR DETAILS & ENLARGED PLANS

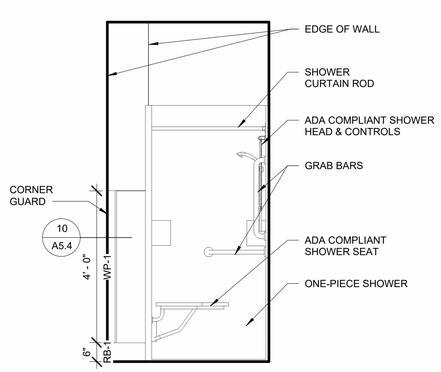
A5.4



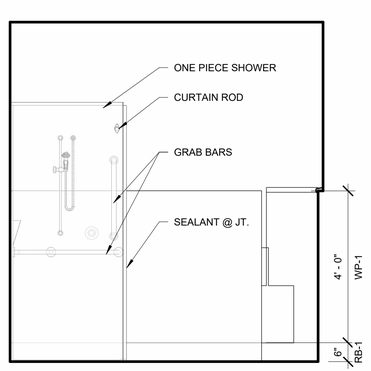
7 PUBLIC T. - RM 15 - SOUTH
1/2" = 1'-0"



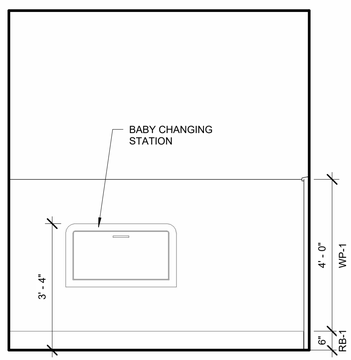
6 PUBLIC T. - RM 15 - WEST
1/2" = 1'-0"



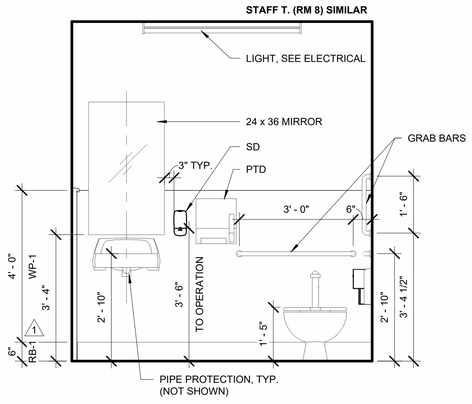
3 PUBLIC ADA SH. - RM 16 - WEST
1/2" = 1'-0"



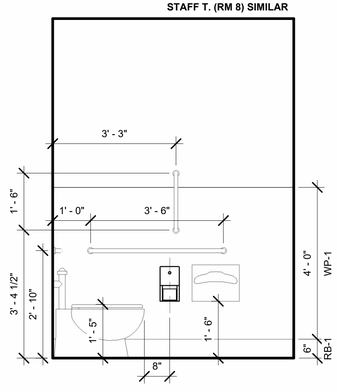
2 PUBLIC ADA SH. - RM 16 - NORTH
1/2" = 1'-0"



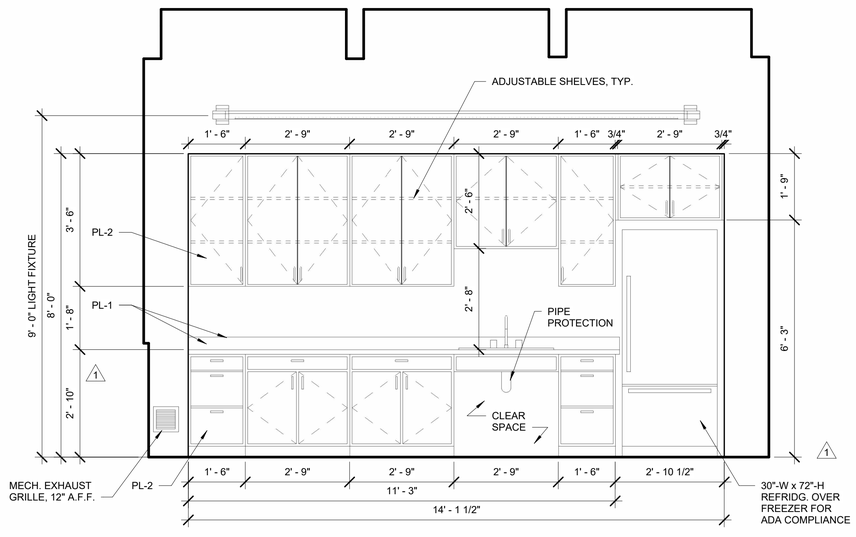
8 PUBLIC T. - RM 14 - EAST
1/2" = 1'-0"



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



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



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

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REGISTERED ARCHITECT
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STATE OF OREGON

PROJECT NO.: 22.01

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

PERMIT

REVISIONS:

#	DATE	DESCRIPTION
1	JUNE 2024	PERMIT REVISIONS

DATE: FEBRUARY 2024

SHEET TITLE:
INTERIOR ELEVATIONS

A6.1

ROOM FINISH SCHEDULE

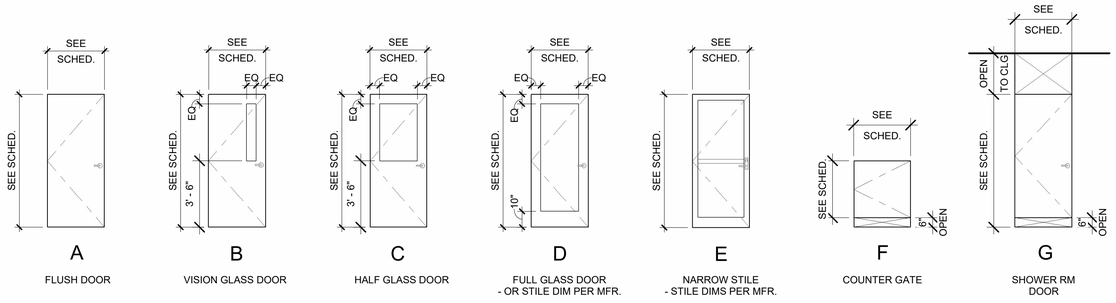
ROOM NAME	ROOM NO.	FLOOR FINISH	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	CEILING HEIGHT	NOTES
ENTRY	1	WOT/LVT-1	RB-1	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	T&G (WD-1)	VARIES	
RECEPTION	2	LVT-1/LVT-2	RB-1	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	9' - 0"	ROLLER SHADE (RS-1)
OPEN WORK SPACE	3	LVT-1/LVT-2	RB-1	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	9' - 0"	ROLLER SHADE (RS-1)
FINANCE OFFICE	4	LVT-1	RB-1	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	9' - 0"	ROLLER SHADE (RS-1)
DIRECTOR'S OFFICE	5	LVT-1/LVT-2	RB-1	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	9' - 0"	ROLLER SHADE (RS-1)
CONFERENCE / BREAK RM	6	LVT-1/LVT-2	RB-1	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	T&G (WD-1)	VARIES	ROLLER SHADE (RS-2)
ELECTRICAL / BOILER CLOSET	7	SEALED CONC.	RB-1	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	10' - 5 3/8"	
STAFF TOILET	8	LVTc-3	RB-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD.	10' - 5 3/8"	
HALL	9	LVT-1	RB-1	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	9' - 0"	
STORAGE	10	LVT-1	RB-1	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	ACT	9' - 0"	
CUSTODIAL	11	SEALED CONC.	RB-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD.	8' - 11 3/8"	
PUBLIC TOILET	12	SEALED CONC.	RB-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD.	8' - 11 3/8"	
SHOWER	13	SEALED CONC.	RB-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD.	8' - 11 3/8"	
PUBLIC TOILET	14	SEALED CONC.	RB-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD.	8' - 11 3/8"	
PUBLIC TOILET	15	SEALED CONC.	RB-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD.	8' - 11 3/8"	
ADA SHOWER	16	SEALED CONC.	RB-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD. & WP-1	GYP. BD.	8' - 11 3/8"	

FINISH NOTES:
1. ARCHITECT WILL PROVIDE FLOORING LAYOUT. APPROXIMATE COVERAGE AMOUNTS: LVT-1 ~ 70%, LVT-2 ~ 30%

DOOR SCHEDULE

DOOR NO.	ROOM NAME	SIZE (WxH)	TYPE	DOOR MATERIAL	FRAME MATERIAL	HARDWARE GROUP	THRESHOLD DETAIL	JAMB DETAIL	HEAD DETAIL	NOTES
1	ENTRY	3' - 0" X 7' - 0"	D	HM / GLASS	HM	HW-50	6	5, 7	4	EXTERIOR, ACCESS CONTROL
2	RECEPTION	3' - 0" X 3' - 0"	F	WD	WD	HW-1C	-	10	-	COUNTER GATE
4	FINANCE OFFICE	3' - 0" X 7' - 0"	D	WD / GLASS	HM	HW-10	-	11	11	
5A	DIRECTOR'S OFFICE	3' - 0" X 7' - 0"	D	WD / GLASS	HM	HW-10	-	11	11	
5B	DIRECTOR'S OFFICE	3' - 0" X 7' - 0"	A	HM	HM	HW-11	6	5, 7	4	EXTERIOR
6	CONFERENCE / BREAK RM	3' - 0" X 7' - 0"	D	WD / GLASS	HM	HW-2	-	11	11	
7	ELECTRICAL / BOILER CLOSET	3' - 0" X 7' - 0"	A	WD	HM	HW-20	-	11	11	
8	STAFF TOILET	3' - 0" X 7' - 0"	A	WD	HM	HW-5	-	11	11	
9B	HALL	3' - 0" X 7' - 0"	B	HM / GLASS	HM	HW-11				EXTERIOR
10	STORAGE	3' - 0" X 7' - 0"	A	WD	HM	HW-20	-	11	11	
11	CUSTODIAL	3' - 0" X 7' - 0"	A	WD	HM	HW-20	-	11	11	
12	PUBLIC TOILET	3' - 0" X 7' - 0"	A	HM	HM	HW-23	6	5, 7	4	EXTERIOR
13	SHOWER	3' - 0" X 7' - 0"	G	WD	HM	HW-52	-	11	11	ACCESS CONTROL
14	PUBLIC TOILET	3' - 0" X 7' - 0"	A	HM	HM	HW-23	6	5, 7	4	EXTERIOR
15		3' - 0" X 7' - 0"	A	HM	HM	HW-51	6	5, 7	4	EXTERIOR, ACCESS CONTROL

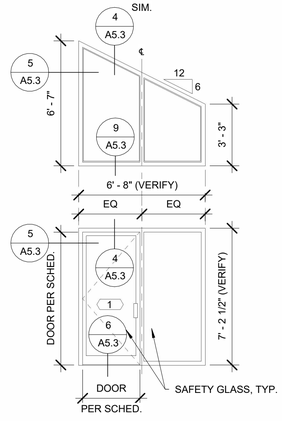
DOOR SCHEDULE NOTES:
1. EXTERIOR HM DOORS & FRAMES TO BE STAINLESS STEEL



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

WINDOW SCHEDULE

MARK	SIZE (WxH)	COUNT	TYPE	NOTES
A	6' - 0" X 4' - 0"	6	FIXED W/ DOUBLE AWNING TRANSOM	W/ ROLLER SHADE (RS-1) AND INSECT SCREENS
B	6' - 0" X 6' - 0"	2	FIXED W/ DOUBLE AWNING TRANSOM	W/ ROLLER SHADE (RS-2) AND INSECT SCREENS
C	4' - 0" X 4' - 0"	2	FIXED W/ SINGLE AWNING TRANSOM	W/ ROLLER SHADE (RS-1) AND INSECT SCREENS



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

FINISH LIST

BASIS OF DESIGN

LEGEND:

FINISH ABBREVIATION
PRODUCT TYPE
MANUFACTURE
STYLE
COLOR

ACT
ACOUSTICAL CEILING TILE
ARMSTRONG
ULTIMA LAY-IN, 2X4
WHITE

LVT-1
VINYL PLANK
MOHAWK GROUP
LIVING LOCAL COLLECTION
COLOR TBD

LVT-2
VINYL PLANK
MOHAWK GROUP
LIVING LOCAL COLLECTION
COLOR TBD

LVTc-3
VINYL PLANK - RIGID CLICK
MOHAWK GROUP
MOLVENO WOOD
JUTE BROWN, 872

P-1
SHERWIN WILLIAMS
EXTERIOR PAINT - BODY
COLOR TBD

P-2
SHERWIN WILLIAMS
EXTERIOR PAINT - ACCENT
COLOR TBD

P-3
SHERWIN WILLIAMS
EXTERIOR PAINT - TRIM
COLOR TBD

P-4
SHERWIN WILLIAMS
EXTERIOR PAINT - SOFFIT
COLOR TBD

BASIS OF DESIGN

LEGEND:

FINISH ABBREVIATION
PRODUCT TYPE
MANUFACTURE
STYLE
COLOR

P-5
SHERWIN WILLIAMS
INTERIOR PAINT
COLOR TBD

P-6
SHERWIN WILLIAMS
INTERIOR PAINT - ACCENT
COLOR TBD

P-7
SHERWIN WILLIAMS
INTERIOR PAINT - ACCENT
COLOR TBD

P-8
SHERWIN WILLIAMS
INTERIOR PAINT - CEILING
COLOR TBD

PL-1
PLASTIC LAMINATE
WILSONART
COLOR TBD

PL-2
PLASTIC LAMINATE
WILSONART
COLOR TBD

RB-1
RESILIENT BASE
FLEXCO
4"
COLOR TBD

RS-1
ROLLER SHADE
HUNTER DOUGLAS
SHEERWEAVE
5% OPENNESS
COLOR TBD

RS-2
ROLLER SHADE
HUNTER DOUGLAS
BLACKOUT
COLOR TBD

WD-1
WOOD FINISH
TRANSPARENT

WOT
WALK OFF TILE
PATCRAFT
BEYOND THE DOOR
COLOR TBD

WP-1
WALL PROTECTION
INPRO
COLOR TBD

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REGISTERED ARCHITECT
2840
JOSEPH A. SLACK
COOS BAY, OREGON
STATE OF OREGON

PROJECT NO.: **22.01**

HIGH DOCK BUILDING
PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

PERMIT

REVISIONS:

#	DATE	DESCRIPTION

DATE: FEBRUARY 2024

SHEET TITLE:
SCHEDULES

A7.1

DRAWING INDEX

		ISSUE LOG		
		DESIGN DEVEL.	50% Construction Documents	Construction Documents
S0.1	DRAWING INDEX AND LIST OF ABBREVIATIONS	X	X	X
S0.2	GENERAL STRUCTURAL NOTES	X	X	X
S0.3	GENERAL STRUCTURAL NOTES	X	X	X
S0.4	GENERAL STRUCTURAL NOTES	X	X	X
S0.5	SPECIAL INSPECTIONS	X	X	X
S0.6	SPECIAL INSPECTIONS	X	X	X
S2.1	FOUNDATION PLAN	X	X	X
S2.4	ROOF FRAMING PLAN	X	X	X
S5.1	CONCRETE DETAILS	X	X	X
S7.1	WOOD DETAILS	X	X	X
S7.2	WOOD DETAILS	X	X	X
S7.3	WOOD DETAILS	X	X	X
S7.4	WOOD DETAILS	X	X	X
S7.5	WOOD DETAILS	-	-	X
	DATE	09/29/2023	11/10/2023	12/15/2023

ISSUE LOG KEY:
' X ' ISSUED AS PART OF A SET
' - ' NOT A PART OF ISSUED SET
' * ' FOR INFORMATION ONLY

LIST OF ABBREVIATIONS

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

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STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
19608
DIGITALLY SIGNED
OREGON
NOV. 14, 2000
CRAIG J. TOTTEN
EXPIRES 06/30/2026
06/05/2024

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

CONSTRUCTION

REVISIONS:

#	DATE	DESCRIPTION

DATE: 12/15/2023

SHEET TITLE:
DRAWING INDEX AND LIST OF ABBREVIATIONS

S0.1

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 UNITL 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 = 120 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 = 2.64	S1 = 1.03
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS	SDS = 1.99	SD1 = 1.37
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 = .307	Cs = .307
DESIGN BASE SHEAR	15.3 KIPS	15.3 KIPS
REDUNDANCY FACTOR	rho = 1.0	rho = 1.0

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.	X		REF. TABLE NOTE 3
SKYLIGHTS, CURTAIN WALL, WINDOW WALL AND OTHER CLADDING AND GLAZING SYSTEMS		X	
CANOPIES AND AWNINGS	X		
METAL STAIRS, LADDERS, AND RAILINGS		X	
ROOF TIE-OFF ANCHORS		X	

TABLE NOTES:

1. 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.
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.
3. 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:

1. REF. ACI 318-19 TABLE 19.3.2.1 FOR ADDITIONAL MIX REQUIREMENTS SPECIFIC TO EXPOSURE CLASS.
2. ALL CONCRETE MIXES TO BE NORMAL WEIGHT CONCRETE, U.N.O.
3. EXPOSURE CATEGORY "F" APPLIES TO LEVEL OF FREEZE THAW EXPOSURE.
4. EXPOSURE CATEGORY "S" APPLIES TO LEVEL OF SULFATE EXPOSURE.
5. EXPOSURE CATEGORY "W" APPLIES TO REQUIRED LEVEL OF PERMEABILITY.
6. EXPOSURE CATEGORY "C" APPLIES TO CORROSIVE LOCATIONS - INCLUDING SURROUNDING ENVIRONMENT (SUCH AS MARINE ENVIRONMENT) AND CORROSIVE SOILS.
7. ESTABLISH WATER-CEMENTITIOUS MATERIAL RATIO PER ACI 301-16 SECTION 4.
8. VERIFY WATER-CEMENTITIOUS MATERIAL RATIO WITH FLOOR COVERING MANUFACTURER FOR CONCRETE FLOORS WITH MOISTURE SENSITIVE FLOOR COVERINGS.
9. 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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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2000 CRAIG J. TOTTEN
EXPIRES 06/30/2026
06/05/2024

PROJECT NO.: 22.01

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

CONSTRUCTION

REVISIONS:

#	DATE	DESCRIPTION
1	June 2024	Permitting

DATE: 12/15/2023

SHEET TITLE:
GENERAL STRUCTURAL NOTES

S0.2

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 (UES 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	16	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:
1. ALL WELDED REBAR TO BE ASTM A706 GRADE 60.
2. ALL AROUND FILLET WELD USING E70 ELECTRODE OR PROVIDE CJP AT CONTRACTOR'S OPTION.
3. BARS TO BE ORIENTATED PERPENDICULAR TO PLATE.
4. 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 TZ2 (ICC ESR-4266) HILTI KWIK BOLT 1 (IAPMO ER-678) SIMPSON STRONG-BOLT 2 (ICC ESR-3037) DEWALT POWER-STUD+ SD2 (ICC ESR-2502)
CONCRETE SCREW	HILTI KH-EZ (ICC ESR-3027) SIMPSON TITEN HD (ICC ESR-2713) DEWALT SCREW-BOLT+ (ICC ESR-3889)
ADHESIVE ANCHORS	HILTI HIT-HY 200 V3 (ICC ESR-4868) HILTI HIT-RE 500 V3 (ICC ESR-3814) SIMPSON SET-XP (ICC ESR-2508) SIMPSON SET-3G (ICC ESR-4057) DEWALT PURE110+ (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:

1. 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.
2. 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 STAINLESS STEEL UNLESS INDICATED OTHERWISE. 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-I-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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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2006 CRAIG J. TOTTEN
EXPIRES 06/30/2026
06/05/2024

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

CONSTRUCTION

REVISIONS:

#	DATE	DESCRIPTION

DATE: 12/15/2023

SHEET TITLE:
GENERAL STRUCTURAL NOTES

S0.3

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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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608
DIGITALLY SIGNED
OREGON
NOV. 14, 2000
CRAIG J. TOTTEN
EXPIRES 06/30/2026
06/05/2024

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

CONSTRUCTION

REVISIONS:

#	DATE	DESCRIPTION

DATE: 12/15/2023

SHEET TITLE:
GENERAL STRUCTURAL NOTES

S0.4

STATEMENT OF SPECIAL INSPECTION NOTES:

1. 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.

2. 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.

3. 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.

4. 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.

5 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.

6 **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.

7 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.

8 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.

9 **TESTING ABBREVIATIONS:**

NDT - NON-DESTRUCTIVE TESTING
C.J.P. - COMPLETE JOINT PENETRATION
MT - MAGNETIC PARTICLE TESTING
RBS - REDUCED BEAM SECTION

10 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.

1. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.

2. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF THE REPORTS.

3. 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 SUBMITAL 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	1705.3.1 1705.3.2 1903.1 1903.2	AWS D1.4 ACI 318: 26.6.4			
1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706				X	
2. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" FILLET				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 C172 ASTM C 31 ACI 318 26.12 ACI 318 26.5	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 C143		
CONCRETE AIR CONTENT		ASTM C231		
CONCRETE TEMPERATURE		ASTM C1064		

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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2008 CRAIG J. TOTTEN
EXPIRES 06/30/2026
06/05/2024

PROJECT NO.: **22.01**

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

CONSTRUCTION

REVISIONS:

#	DATE	DESCRIPTION

DATE: 12/15/2023

SHEET TITLE:
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		
MULTIPASS FILLET WELDS			X		
SINGLE PASS FILLET WELDS GREATER THAN 5/16"			X		ALL WELDS VISUALLY INSPECTED PER AWS D1.16.9
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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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2006 CRAIG J. TOTTEN
EXPIRES 06/30/2026
06/05/2024

PROJECT NO.: **22.01**

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

CONSTRUCTION

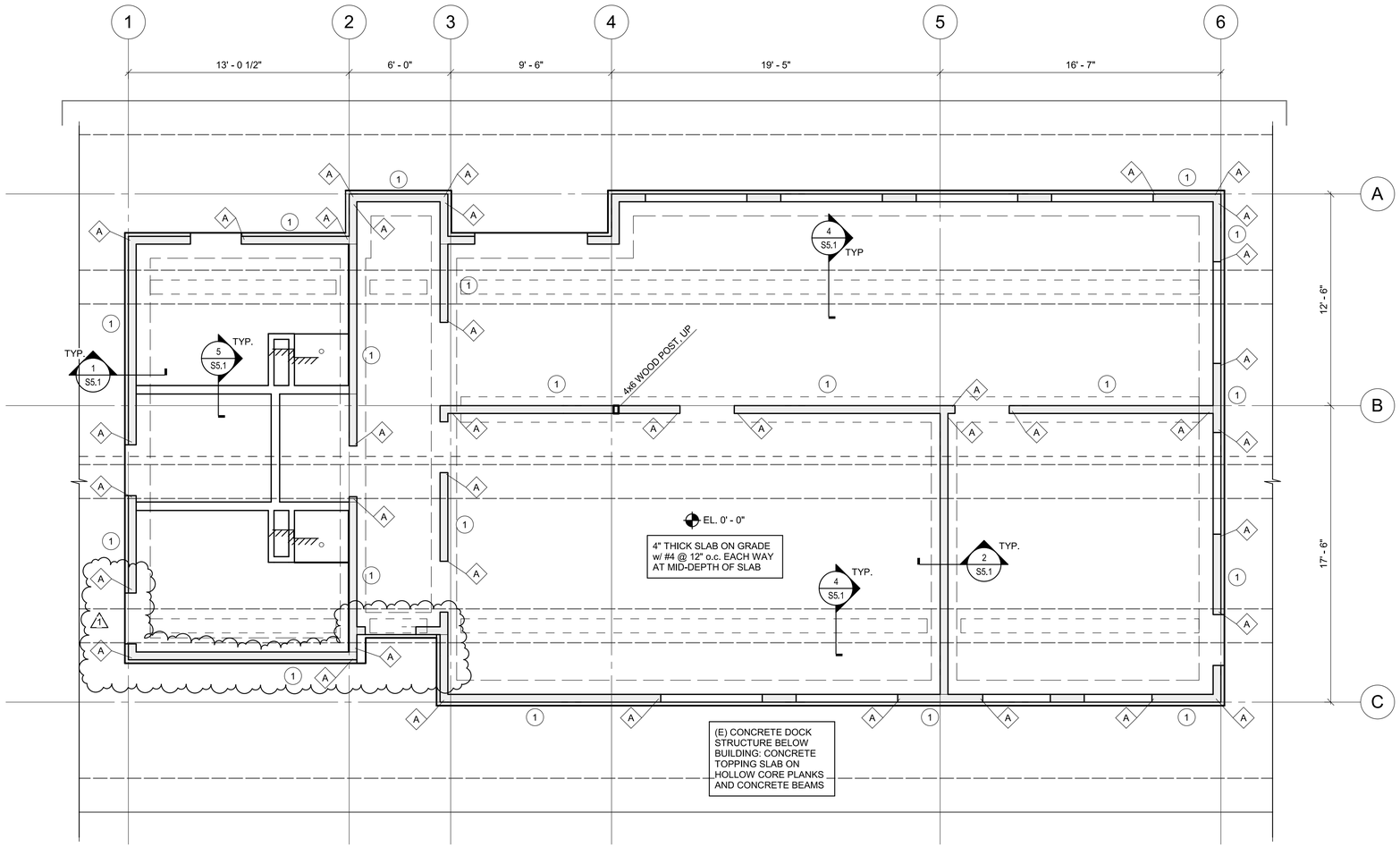
REVISIONS:

#	DATE	DESCRIPTION

DATE: 12/15/2023

SHEET TITLE:
SPECIAL INSPECTIONS

S0.6



1 FOUNDATION PLAN

1/4" = 1'-0"

N

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 SCHEDLE SHOWN ON 7/S7.3.
2. IINDICATES A STUD LOAD BEARING WALL. ATTACH GYPSUM WALL BOARD TO STUDS WITH 6d x1 3/4" WALLBOARD NAILS @ 7" o.c. REF. 1/S7.2 FOR TYPICAL WALL FRAMING AND ARCHITECTURAL DETAILS AND PLANS FOR ANY INFORMATION NOT GIVEN.
3. REF. 6/S7.1 OR 2/S7.2 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. 3/S7.1 FOR TYPICAL OPENING 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. COORDINATE MECHANICAL PENETRATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
8. REF. SHEET(S) S7.1 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
9. REF. DETAILS 1 AND 2/S7.5 FOR NON-BEARING PARTITION WALL DETAILS AT FLOOR AND ROOF.
10. INDICATES LOCATION OF HOLDOWN TYPE X AT THE ENDS OF SHEAR WALLS AS SHOWN IN ELEVATION 4/S7.2 REF. 2/S7.3 FOR SCHEDULE AND 3/S7.3 FOR DETAILS.
11. (X) REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN ON FRAMING PLANS.
12. ALL FRAMING ACCESSORIES, HARDWARE, AND FASTENERS TO BE STAINLESS STEEL.

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PORT OF BANDON HIGH DOCK
BANDON, OREGON

CONSTRUCTION

REVISIONS:

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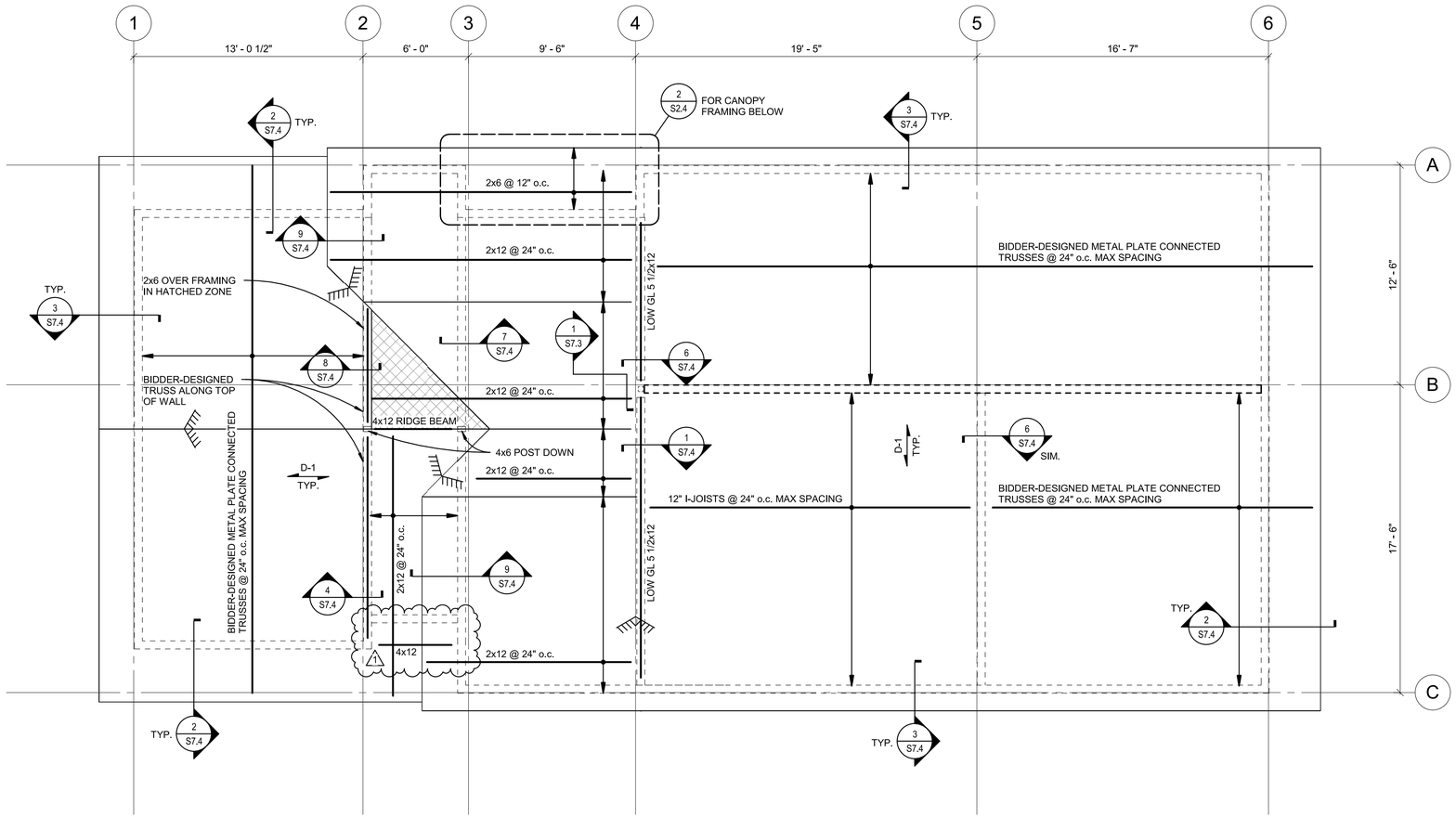
1	June 2024	Permitting

DATE: 12/15/2023

SHEET TITLE:
FOUNDATION PLAN

S2.1



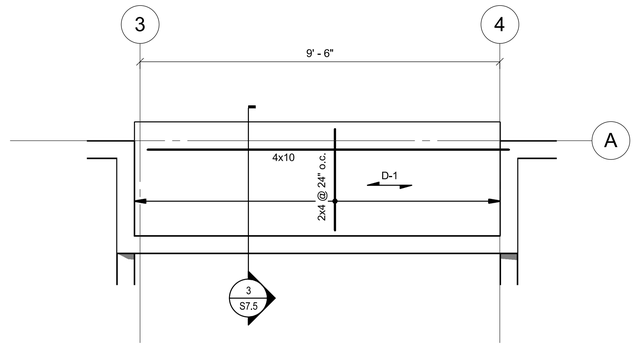
1 ROOF FRAMING PLAN

1/4" = 1'-0"

N

ROOF FRAMING PLAN NOTES:

1. INDICATES ROOF RIDGE LINE.
2. INDICATES ROOF VALLEY LINE.
3. REF. 6/S7.1 OR 2/S7.2 FOR TYPICAL TOP CHORD SPLICE.
4. D - X — INDICATES SPAN DIRECTION OF SHEATHING. REF. 1/S7.1 FOR SCHEDULE.
5. INDICATES EXTENT OF TRUSS OVER-FRAMING TO BE PROVIDED BY TRUSS SUPPLIER.
6. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT NOTED.
7. PROVIDE DIAPHRAGM EDGE NAILING TO ALL JOISTS, PLATES, OR BLOCKING IN LINE OR CONNECTED TO SHEAR WALLS.
8. INDICATES BEARING OR SHEAR WALL BELOW.
9. COORDINATE MECHANICAL PENETRATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
10. ALL FRAMING ACCESSORIES, HARDWARE, AND FASTENERS TO BE STAINLESS STEEL.



2 CANOPY FRAMING PLAN

1/2" = 1'-0"

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HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

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1	June 2024	Permitting

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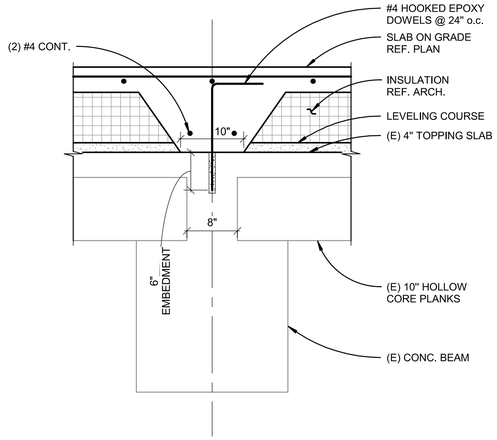
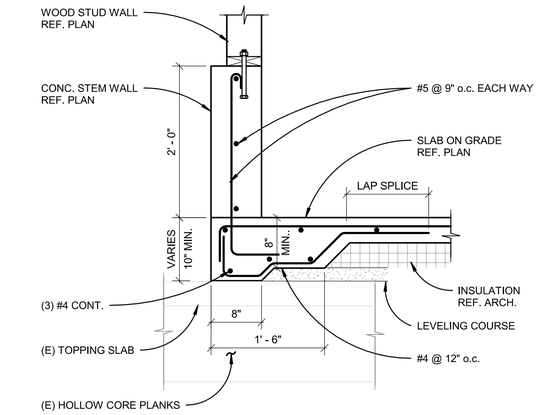
SHEET TITLE:
ROOF FRAMING PLAN

S2.4



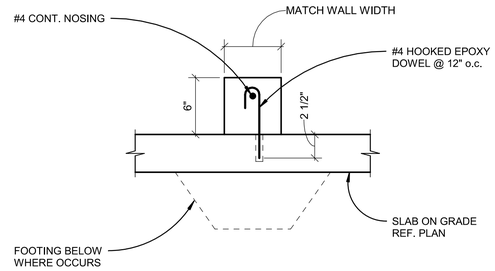
4 SLAB CONNECTION TO (E) SLAB

1" = 1'-0"



1 PERIMETER STEM WALL

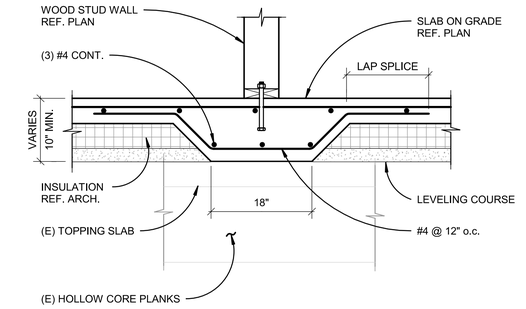
1" = 1'-0"



5 LOW CURB DETAIL

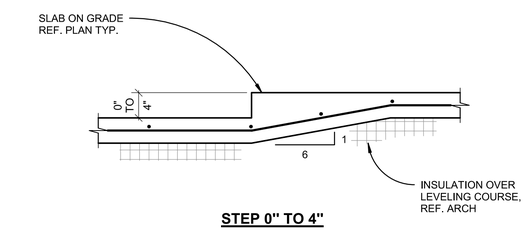
1 1/2" = 1'-0"

NOTE:
REF. 5/S5.1 FOR SHORT CURB WHERE OCCURS. REF. ARCH FOR LOCATIONS.



2 INTERIOR THICKENED SLAB

1" = 1'-0"



STEP 0" TO 4"

3 TYP. STEP IN SLAB ON GRADE

1" = 1'-0"

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10022300252 R24 acc kpff

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608
DIGITALLY SIGNED
OREGON
NOV. 14, 2000
CRAIG J. TOTTEN
EXPIRES 06/30/2026
06/05/2024

PROJECT NO.: **22.01**

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

CONSTRUCTION

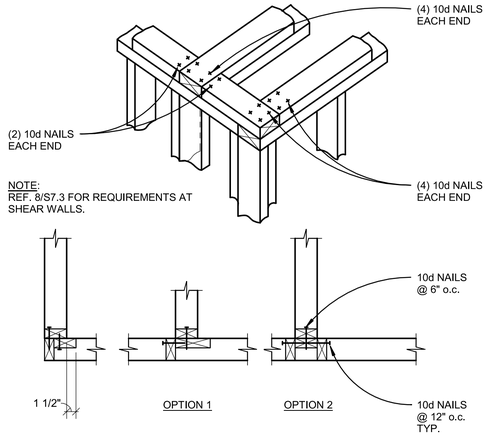
REVISIONS:

#	DATE	DESCRIPTION

DATE: 12/15/2023

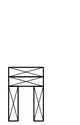
SHEET TITLE:
CONCRETE DETAILS

S5.1

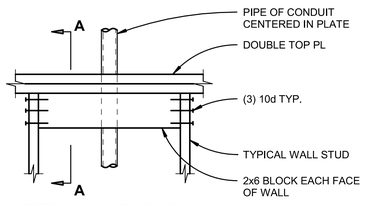


8 TYPICAL WALL CORNERS

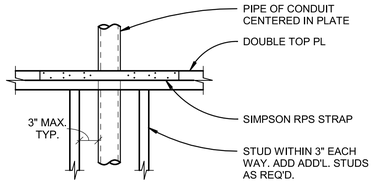
N.T.S.



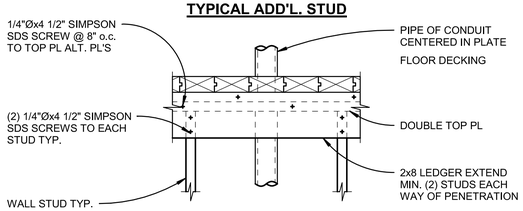
SECTION A-A



TYPICAL 2x6 BLOCKING



TYPICAL ADD'L. STUD



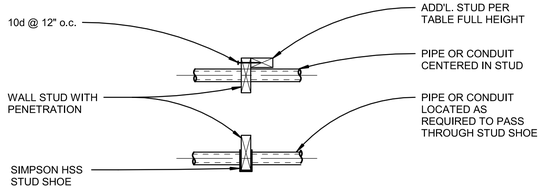
NOTE: LEDGER MAY BE INSTALLED OVER SHEATHING.

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

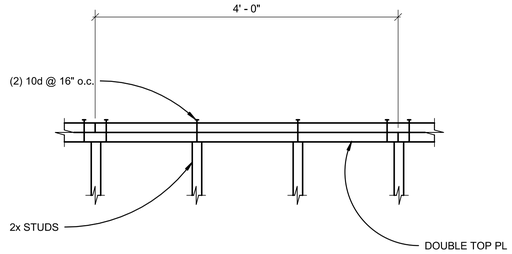
1" = 1'-0"



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"



NOTE:
ALIGN TOP PL SPLICE w/ STUD.

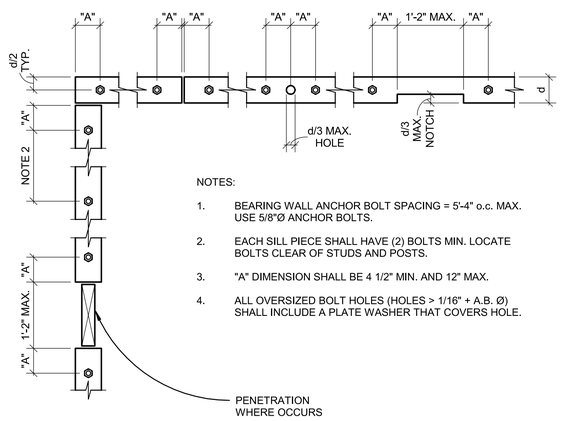
7 SILL PLATE BOLT BOLTING - BEARING WALLS

1" = 1'-0"

TYPICAL BEARING WALL TOP PLATE SPLICE

6

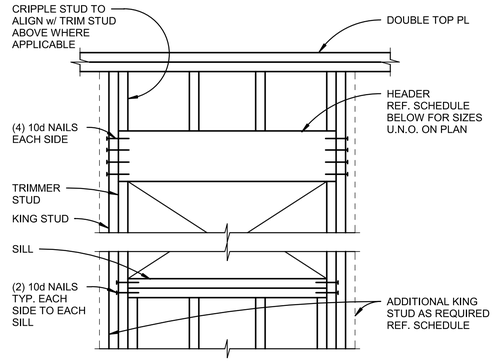
1" = 1'-0"



NOTES:

1. BEARING WALL ANCHOR BOLT SPACING = 5'-4" o.c. MAX. USE 5/8"Ø ANCHOR BOLTS.
2. EACH SILL PIECE SHALL HAVE (2) BOLTS MIN. LOCATE BOLTS CLEAR OF STUDS AND POSTS.
3. "A" DIMENSION SHALL BE 4 1/2" MIN. AND 12" MAX.
4. ALL OVERSIZED BOLT HOLES (HOLES > 1/16" + A.B. Ø) SHALL INCLUDE A PLATE WASHER THAT COVERS HOLE.

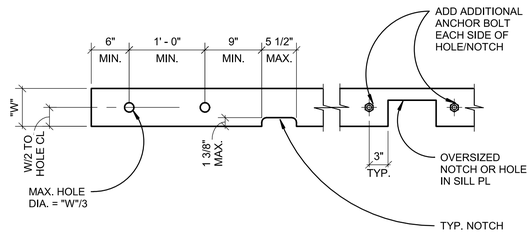
NOTE:
JOIN MULTIPLE STUDS WITH (2) ROWS 10d NAILS STAGGERED @ 12" o.c. TYP.



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			

3 WALL OPENING DETAIL

N.T.S.



SOLE PL PLAN VIEW AT FOUNDATION

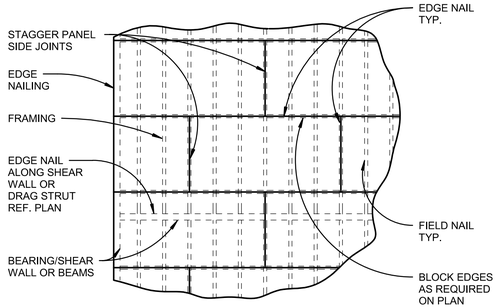
NOTES:

1. "W" DENOTES WIDTH OF WOOD MEMBER.
2. WHERE NOTCH OR HOLE IS GREATER THAN NOTED, PROVIDE ADDITIONAL ANCHOR BOLT EACH SIDE.
3. WHERE BOLT IS LESS THAN 1" CLR. FROM EDGE, PROVIDE ADDITIONAL ANCHOR BOLT.
4. ALL OVERSIZED BOLT HOLES (HOLES GREATER THAN 1/16" + ANCHOR BOLT DIA.) SHALL BE FILLED w/ EPOXY FOR TIGHT FIT.
5. ALL HOLES TO BE DRILLED, NOT SAWN.
6. ALL NOTCHES TO HAVE CORNERS PREDRILLED.

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	

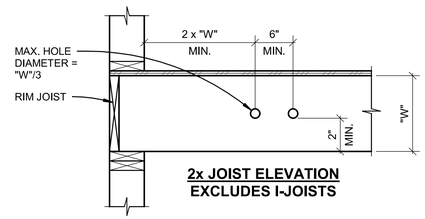


NOTES:

1. PROVIDE 1/8" GAP AT ALL PANEL JOINTS. REF. GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
2. PANELS SHALL NOT BE LESS THAT 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.
3. NAILS SHALL BE LOCATED AT LEAST 3/8" FROM THE EDGES OF PANELS.
4. OSB IS NOT PERMITTED TO BE USED FOR ROOFS.

1 WOOD DIAPHRAGM SCHEDULE

N.T.S.



2x JOIST ELEVATION EXCLUDES I-JOISTS

NOTES:

1. "W" DENOTES DEPTH OF WOOD MEMBER.
2. ALL HOLES TO DRILLED, NOT SAWN.
3. NOTCHING OF JOISTS NOT PERMITTED.
4. HOLES TO BE LOCATED IN MIDDLE 1/3 OF DEPTH "W".

2 HOLES AT SOLID SAWN JOISTS

N.T.S.

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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2000 CRAIG J. TOTTEN
EXPIRES 06/30/2026
06/05/2024

PROJECT NO.: **22.01**

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

CONSTRUCTION

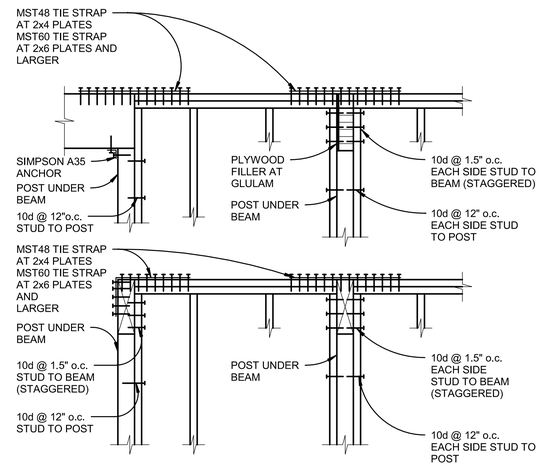
REVISIONS:

#	DATE	DESCRIPTION

DATE: 12/15/2023

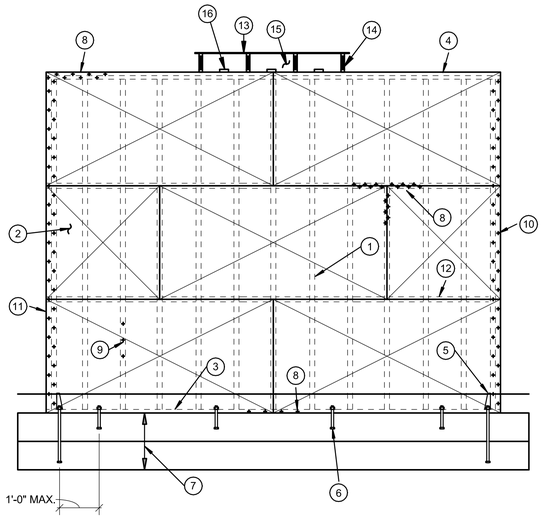
SHEET TITLE:
WOOD DETAILS

S7.1



3 WOOD BEAM CONNECTION AT WALL

1" = 1'-0"

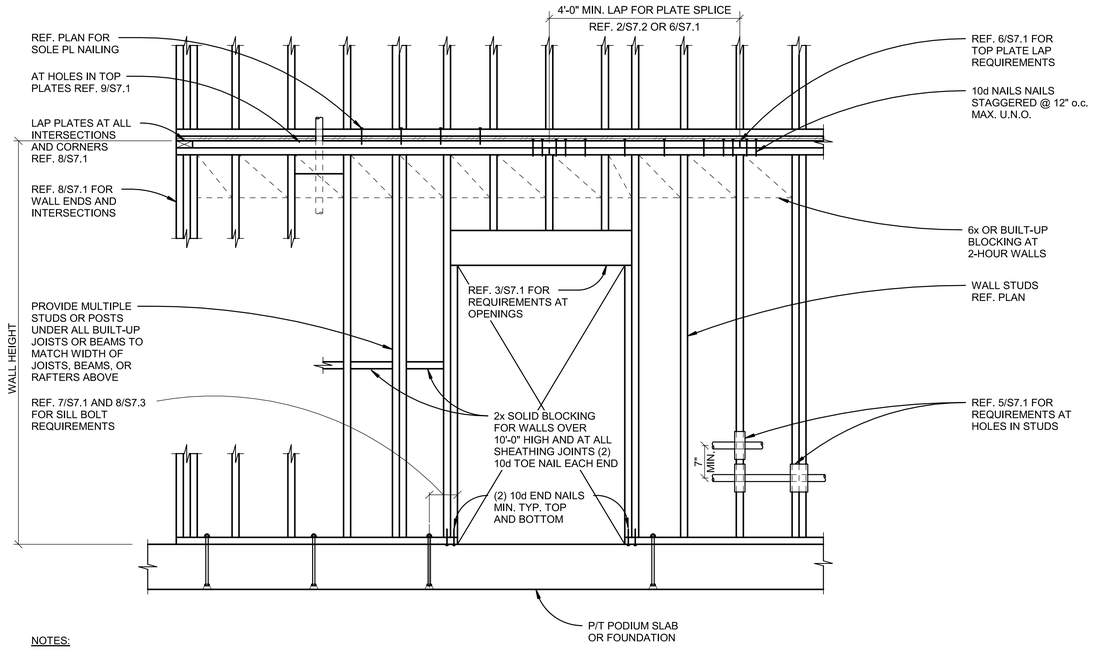


SHEAR WALL ELEVATION NOTES:

1. TYPICAL WALL STUDS.
2. WOOD STRUCTURAL PANEL SHEATHING. LAY HORIZONTALLY OR VERTICALLY. REF. SHEAR WALL SCHEDULE 7/S7.3 FOR ADDITIONAL REQUIREMENTS.
3. P.T. SILL PLATE, REF. 8/S7.3.
4. DOUBLE TOP PLATE, REF. 2/S7.2 FOR TOP CHORD SPLICE DETAIL.
5. HOLDOWN ANCHOR, REF. SCHEDULE 3/S7.3.
6. ANCHOR BOLTS.
7. FOUNDATION, STEMWALL OR THICKENED SLAB.
8. EDGE NAILING REF. SHEAR WALL SCHEDULE.
9. INTERMEDIATE SUPPORT NAILING REF. SHEAR WALL SCHEDULE.
10. PROVIDE EDGE NAILING TO EACH HOLDOWN POST. WHERE HOLDOWN POST CONSISTS OF BUILT UP MEMBERS, PROVIDE STAGGERED NAILING TO EACH PIECE.
11. HOLDOWN POST.
12. ALL SHEATHING EDGES ARE TO BLOCKED. REF. SHEAR WALL SCHEDULE FOR FRAMING THICKNESS AT ADJOINING PANEL EDGES.
13. ROOF SHEATHING.
14. ROOF RAFTER OR TRUSS.
15. BLOCKING.
16. "SHEAR CLIP" PER SHEAR WALL SCHEDULE.

4 SHEAR WALL ELEVATION - SINGLE STORY

1" = 1'-0"

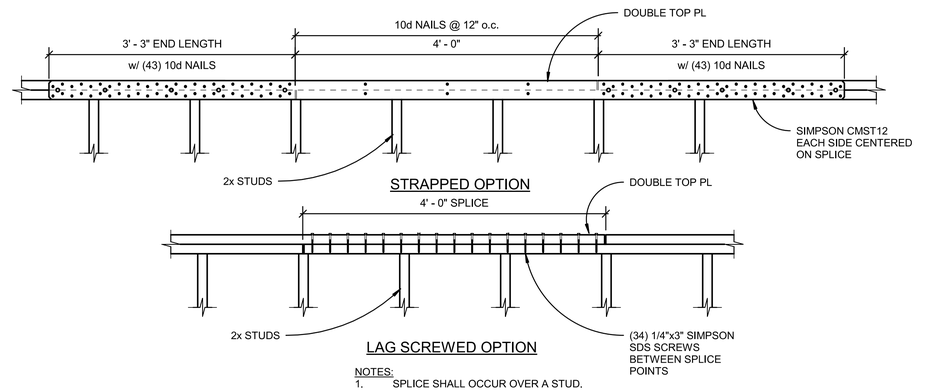


NOTES:

1. CUTTING, NOTCHING OR BORING OF STUDS OR PLATES SHALL COMPLY w/ 4/S7.1 AND 7/S7.1.
2. 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.



NOTES:
1. SPLICE SHALL OCCUR OVER A STUD.

2 SHEAR WALL TOP PL SPLICE

1" = 1'-0"

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PROJECT NO.: **22.01**

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

CONSTRUCTION

REVISIONS:

#	DATE	DESCRIPTION

DATE: 12/15/2023

SHEET TITLE:
WOOD DETAILS

S7.2

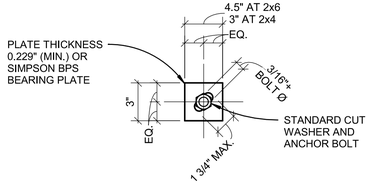
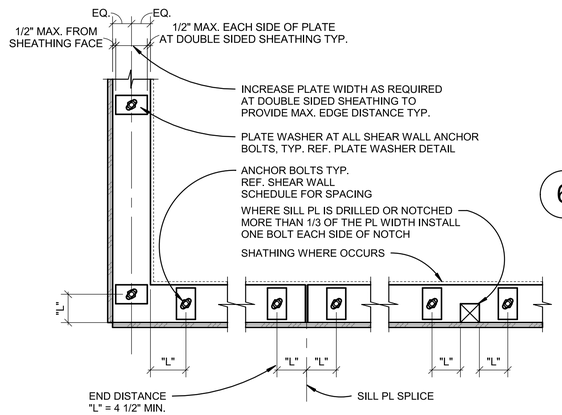


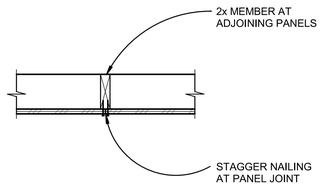
PLATE WASHER



NOTES:

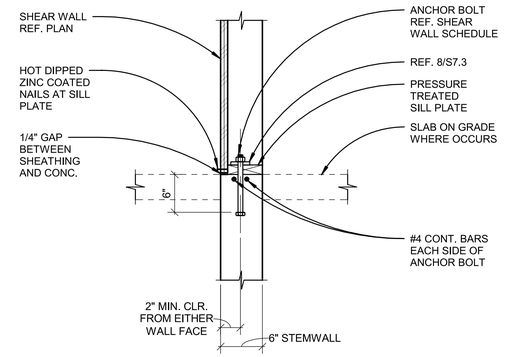
1. ALL SILL PL'S SHALL BE PRESSURE TREATED D.F. OF WIDTH EQUAL TO DEPTH OF STUDS.
2. ALL OVERSIZED BOLT HOLES (HOLES > 1/16" + A.B. Ø) SHALL BE FILLED w/ EPOXY OR NON-SHRINK GROUT FOR TIGHT FIT.
3. LOCATE BOLTS CLEAR OF STUDS AND POSTS.
4. PROVIDE A MINIMUM OF TWO BOLTS PER SILL PIECE.

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



TYPE 1 SHEAR WALL

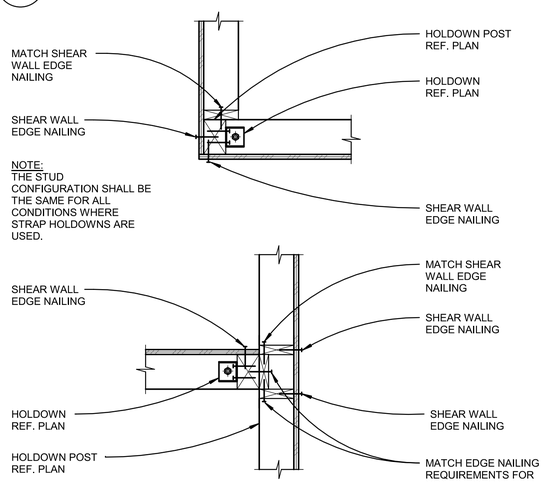
6 TYP. ADJOINING SHEAR WALL EDGES
1" = 1'-0"



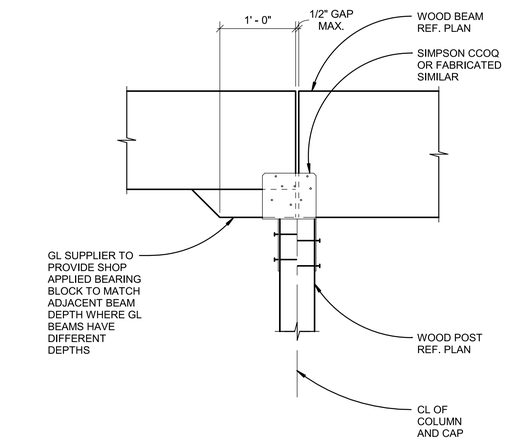
NOTES:

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

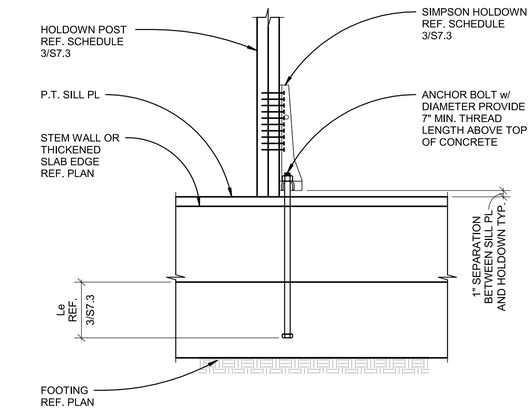
4 TYP. SHEAR WALL BOLTS AT STEMWALL
1" = 1'-0"



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



1 BEAM CONNECTION TO WOOD POST
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

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 OCCURING 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"

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"

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STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
19608
DIGITALLY SIGNED
OREGON
NOV. 14, 2003
CRAIG J. TOTTEN
EXPIRES 06/30/2026
06/05/2024

PROJECT NO.: **22.01**

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

CONSTRUCTION

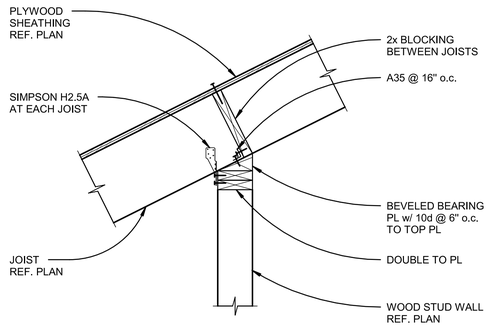
REVISIONS:

#	DATE	DESCRIPTION

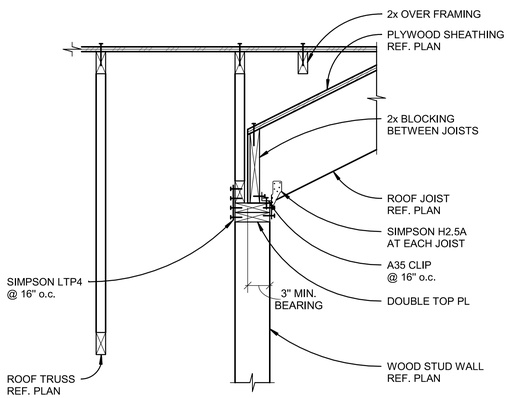
DATE: 12/15/2023

SHEET TITLE:
WOOD DETAILS

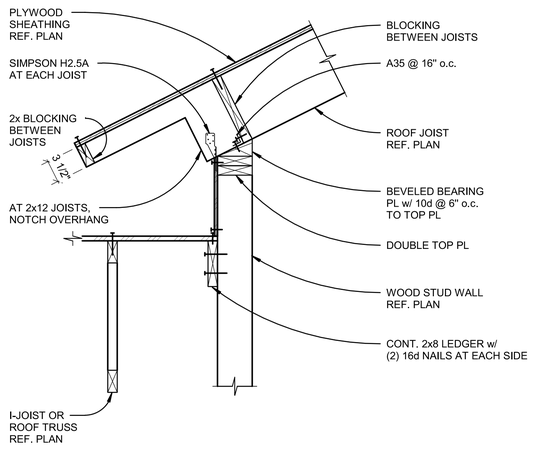
S7.3



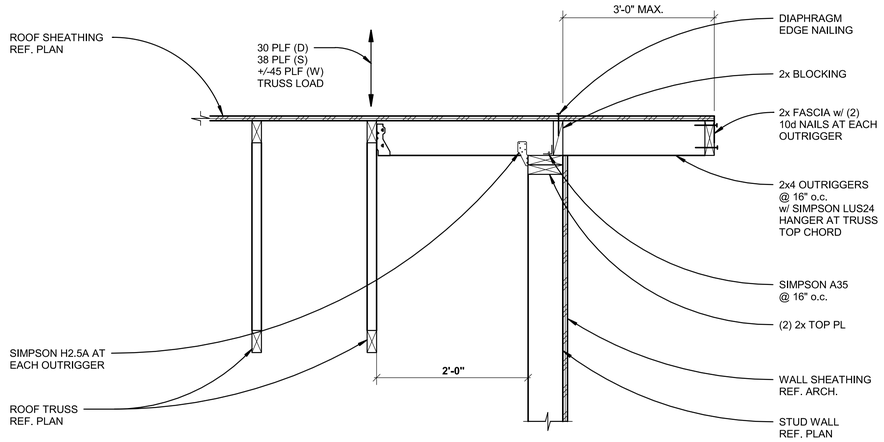
7 ROOF JOISTS TO WALL
1" = 1'-0"



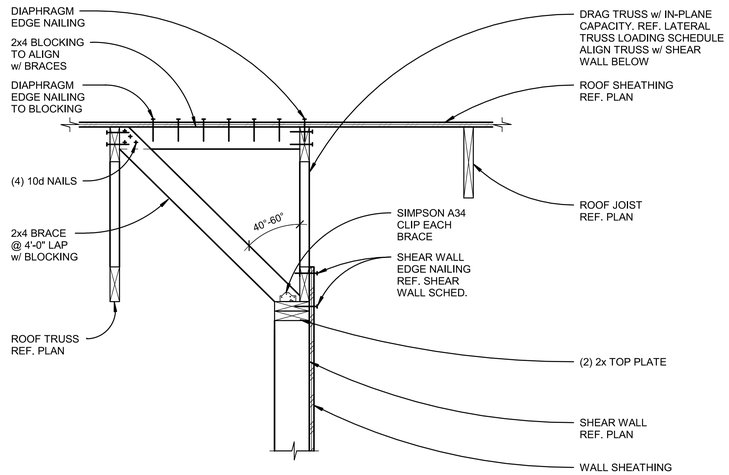
8 ROOF TRANSITION DETAIL
1" = 1'-0"



9 ROOF TRANSITION DETAIL
1" = 1'-0"



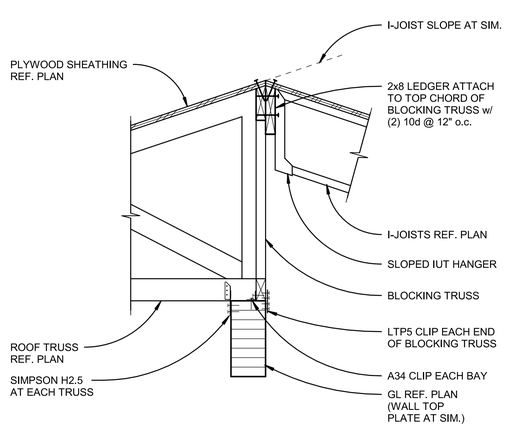
3 ROOF RAKE AT EXT. WALL
1" = 1'-0"



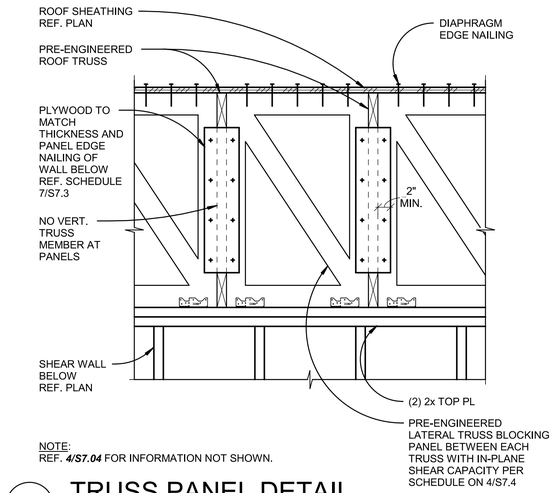
LATERAL TRUSS LOADING SCHEDULE

WALL TYPE	LOAD (ASD)
1	310 PLF

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

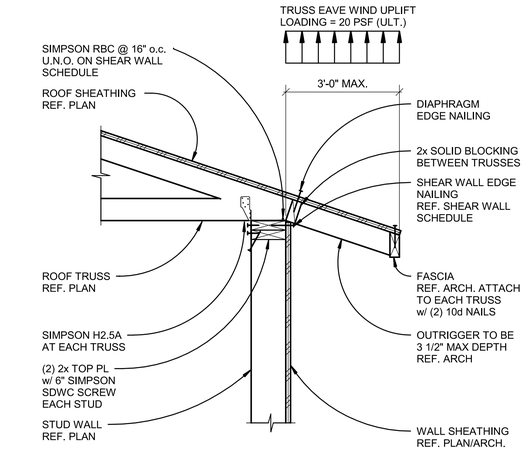


6 TRUSS/I-JOIST TO GL
1" = 1'-0"

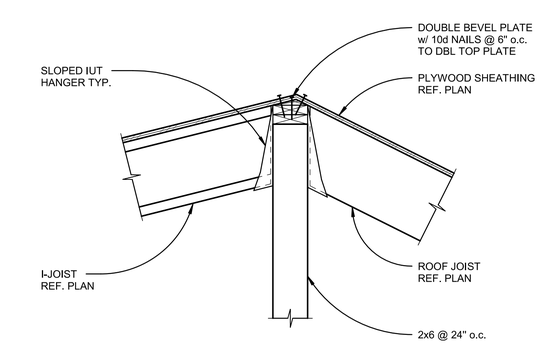


NOTE:
REF. ***4/S7.04*** FOR INFORMATION NOT SHOWN.

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



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



1 RIDGE DETAIL
1" = 1'-0"

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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2003 CRAIG J. TOTTEN
EXPIRES 06/30/2026
06/05/2024

PROJECT NO.: **22.01**

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

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REVISIONS:

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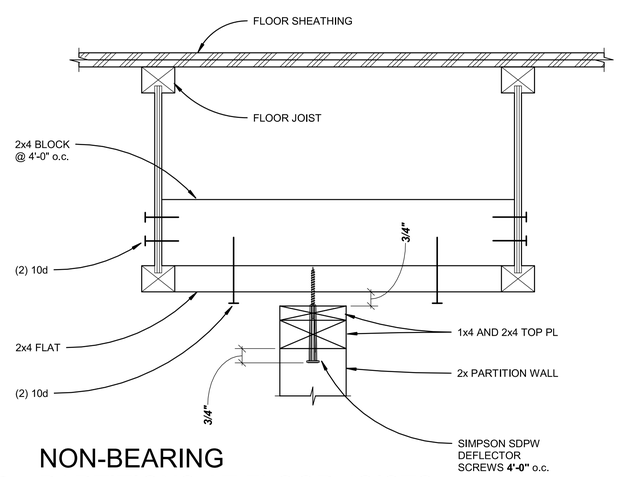
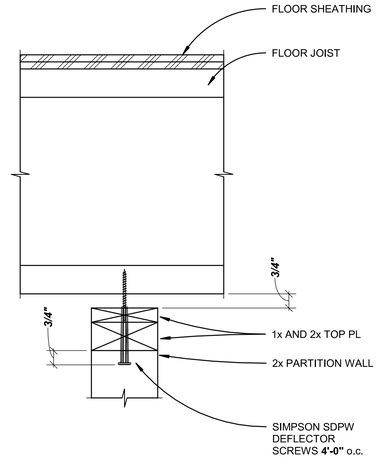
SHEET TITLE:
WOOD DETAILS

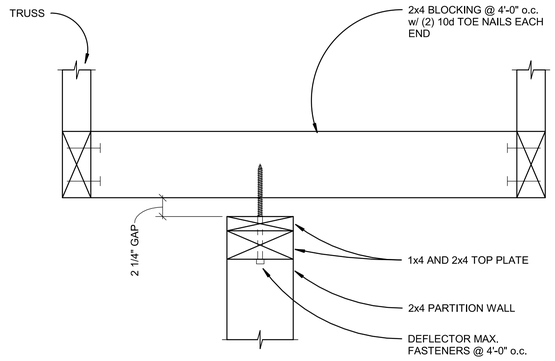
S7.4



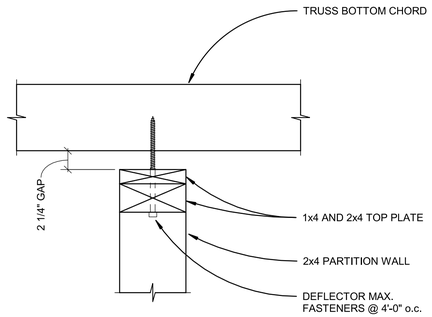


1 NON-BEARING PARTITIONS AT FLOOR JOISTS

3" = 1'-0"



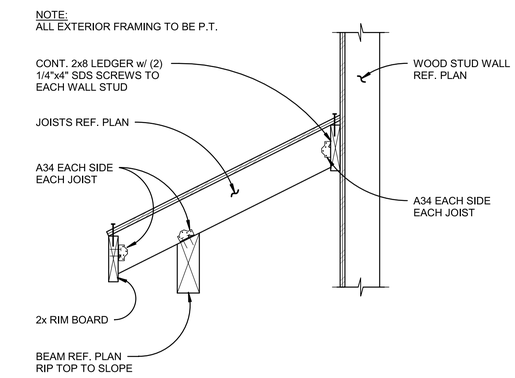
PARALLEL TO TRUSS



PERPENDICULAR TO TRUSS

2 NON-BEARING PARTITIONS AT ROOF TRUSSES

3" = 1'-0"



3 CANOPY SECTION

1" = 1'-0"

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HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

CONSTRUCTION

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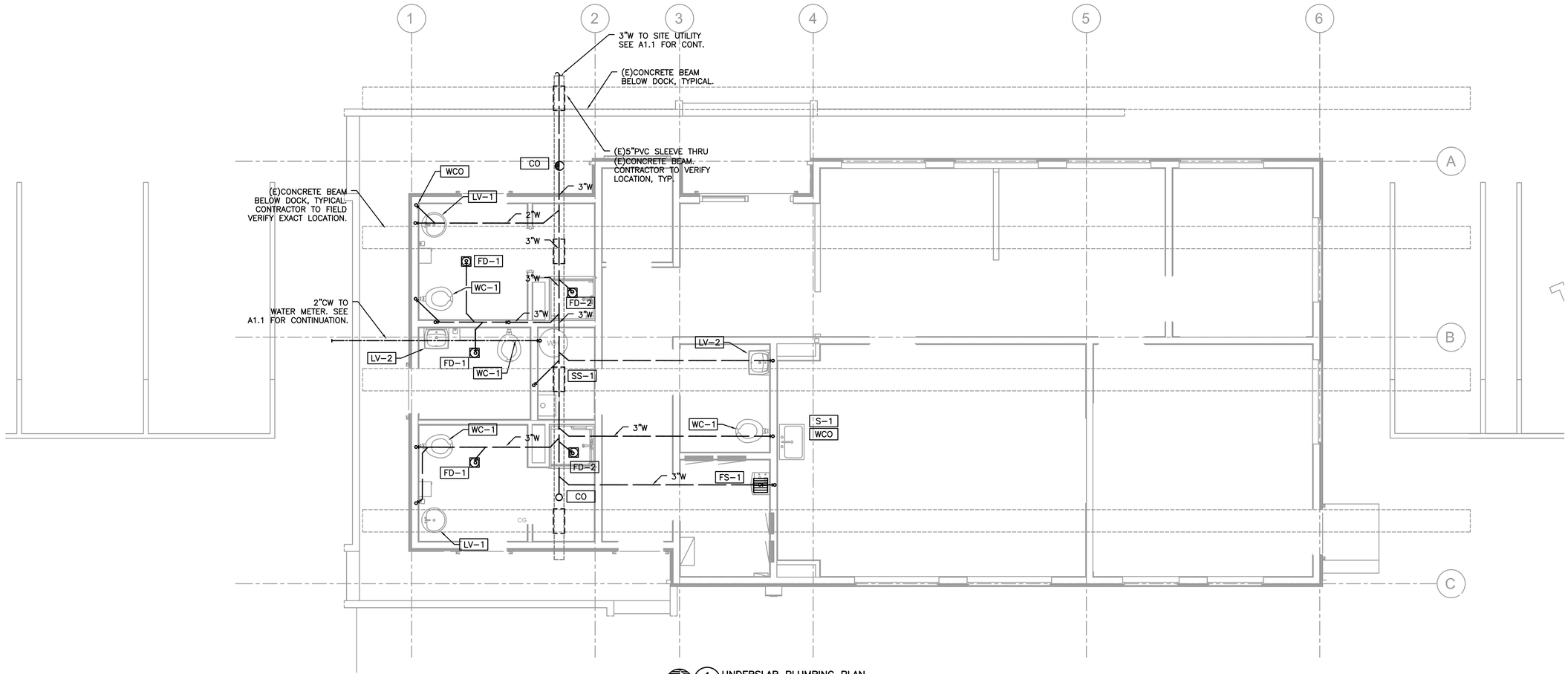
SHEET TITLE:
WOOD DETAILS

S7.5



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

GENERAL NOTES:

1. SEE P6.0 FOR PLUMBING LEGEND, SCHEDULES AND DETAILS.
2. SEAL PENETRATIONS IN ACOUSTICALLY IMPORTANT WALLS PER DETAIL 2/P6.0. SEE ARCHITECTURAL FOR ACOUSTICALLY IMPORTANT WALLS LOCATIONS.
3. CONTRACTOR TO COORDINATE PIPING LAYOUT WITH DUCTWORK, STRUCTURAL, ELECTRICAL AND PLUMBING PRIOR TO INSTALLATION AND ADJUST THE ROUTE ACCORDINGLY.
4. SEE DETAIL 3/P6.0 FOR NON-SEISMIC PIPE SUPPORT.
5. PROVIDE ACCESS PANEL AS REQUIRED TO ACCESS VALVES IN HARD LID CEILING OR WALL. NOT ALL ACCESS PANELS ARE SHOWN ON THE DRAWINGS.

KEYED NOTES:

1. KEYED H & C HOSE BIB, INSTALLED AT 2'-10" A.F.F.TO TOP OF HOSE BIB BOX.

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REGISTERED PROFESSIONAL ENGINEER
OR 70996PE
Takako Baker
JULY 9, 2002
TAKAKO BAKER
EXPIRES: 12/31/23

PROJECT NO.: 22.01

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

PERMIT

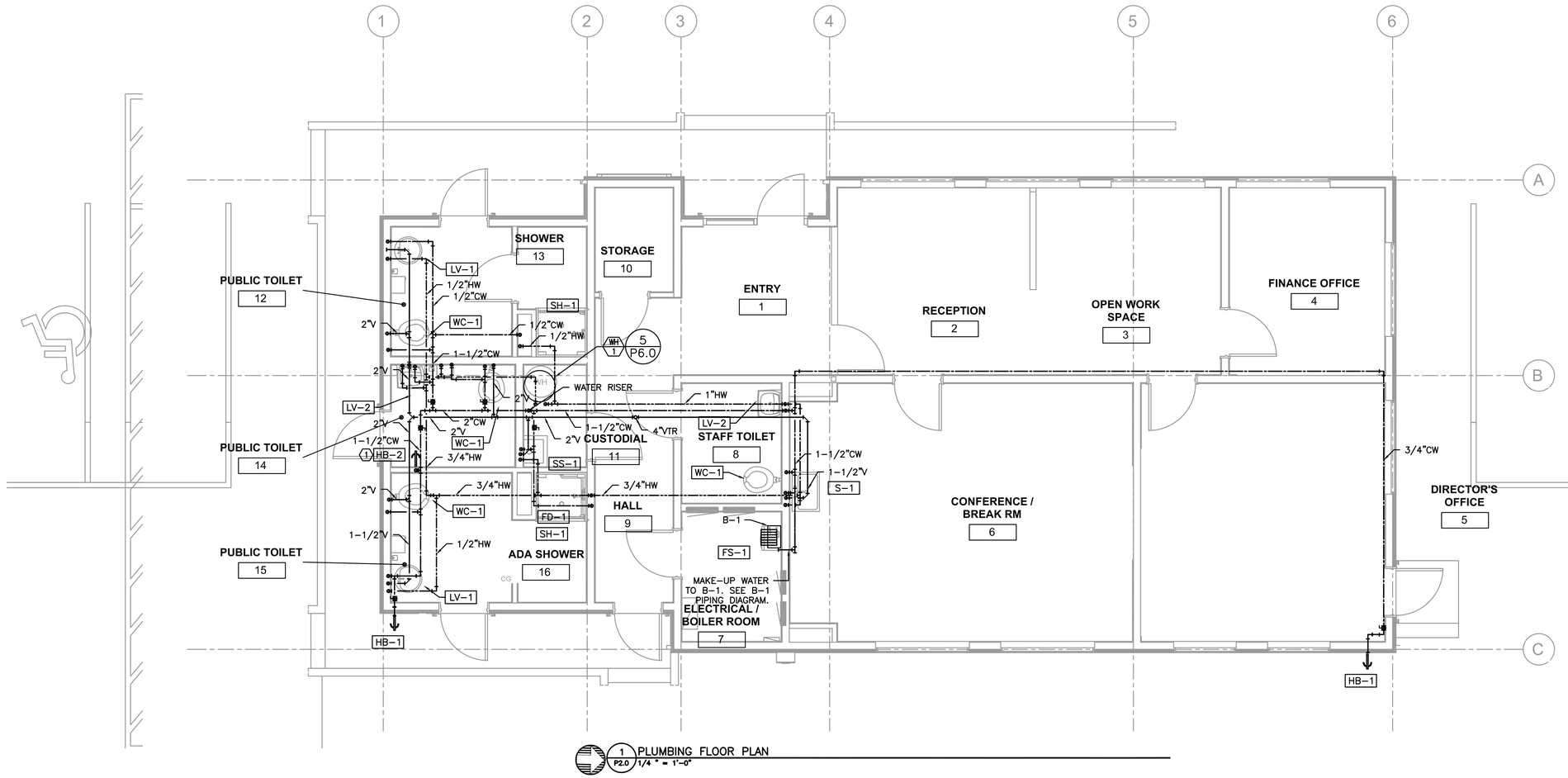
REVISIONS:

#	DATE	DESCRIPTION

DATE: FEBRUARY 2024

SHEET TITLE:
UNDERSLAB PLUMBING PLAN

P1.0



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

GENERAL NOTES:

1. SEE P6.0 FOR PLUMBING LEGEND, SCHEDULES AND DETAILS.
2. SEAL PENETRATIONS IN ACOUSTICALLY IMPORTANT WALLS PER DETAIL 2/P6.0. SEE ARCHITECTURAL FOR ACOUSTICALLY IMPORTANT WALLS LOCATIONS.
3. CONTRACTOR TO COORDINATE PIPING LAYOUT WITH DUCTWORK, STRUCTURAL, ELECTRICAL AND PLUMBING PRIOR TO INSTALLATION AND ADJUST THE ROUTE ACCORDINGLY.
4. SEE DETAIL 3/P6.0 FOR NON-SEISMIC PIPE SUPPORT.
5. PROVIDE ACCESS PANEL AS REQUIRED TO ACCESS VALVES IN HARD LID CEILING OR WALL. NOT ALL ACCESS PANELS ARE SHOWN ON THE DRAWINGS.

KEYED NOTES:

1. KEYED H & C HOSE BIB, INSTALLED AT 2'-10" A.F.F.TO TOP OF HOSE BIB BOX.

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REGISTERED PROFESSIONAL ENGINEER
OREGON 70996PE
Takako Baker
JULY 9, 2002
TAKAKO BAKER
EXPIRES: 12/31/23

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

PERMIT

REVISIONS:
DATE DESCRIPTION

DATE: FEBRUARY 2024

SHEET TITLE:
PLUMBING FLOOR PLAN

P2.0

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
DF	DRINKING FOUNTAIN
DI	DEIONIZED (WATER)
DIA.	DIAMETER
ELEV.	ELEVATION
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
F.F.	FINISH FLOOR
FLG.	FLANGE
FT	FOOT / FEET
G	GAS
GA.	GAUGE
GALV.	GALVANIZED
GPM	GALLONS PER MINUTE
G.V.	GATE VALVE
HP	HORSEPOWER
HR.	HOUR
I.E.	INVERT ELEVATION
kW	KILOWATT
LAV	LAVATORY
LBS	POUNDS
MAX.	MAXIMUM
MBH	THOUSANDS OF BTUs 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	PRESSURE / TEMPERATURE
REQ'D	REQUIRED
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
TYP.	TYPICAL
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
VAC	VACUUM
(G)	NATURAL GAS
(F)	FIRE WATER
(GW)	GREASE WASTE

X / XX	EQUIPMENT MARK NUMBER
XXX	FIXTURE MARK
(E)	EXISTING
#	NOTE
	CONNECT TO EXISTING
	CAP
	TEE
	ELBOW
	CLEANOUT
	PRESSURE/TEMP RELIEF VALVE
	BUTTERFLY VALVE
	GAS PRESSURE REGULATING VALVE
OR	TOP CONNECTION
	BOTTOM CONNECTION
	PIPE TURNED UP, PIPE TURNED DOWN
	GATE VALVE
OR	BALL VALVE
	BALANCING VALVE
	CHECK VALVE
	UNION
	DOUBLE CHECK ASSEMBLY

PLUMBING CONNECTION SCHEDULE

MARK	FIXTURE	W	V	CW	HW	REMARKS
WC–1	WATER CLOSET	3"	2"	1"		FLOOR MOUNT, ADA, BATTERY
LV–1	LAVATORY	1–1/2"	1–1/2"	1/2"	1/2"	COUNTER MOUNT, BATTERY, SEE SPECS
LV–2	LAVATORY	1–1/2"	1–1/2"	1/2"	1/2"	WALL MOUNT, BATTERY, SEE SPECS
S–1	SINK	2"	1–1/2"	1/2"	1/2"	NOTE 1, 2
SH–1	SHOWER	2"	1–1/2"	1/2"	1/2"	TILED SHOWER
SH–2	SHOWER	2"	1–1/2"	1/2"	1/2"	TILED SHOWER, ADA
SS–1	JANITOR'S SINK	3"	1–1/2"	1/2"	1/2"	NOTE 1, 2
FD–1	FLOOR DRAIN	3"	VL			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"	VL			CECO 906, NO GRATE, ENAMELED CI 12X12
CO	CLEAN OUT	NOTE 4	---	--	---	CLEAN OUT
HB–1	HOSE BIB	–	–			OUTDOOR, FROST FREE
HB–2	HOSE BIB	–	---	3/4"	3/4"	H/C INDOOR HOSE BIB

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.
4. SEE PLANS FOR SIZE.

WATER HEATER

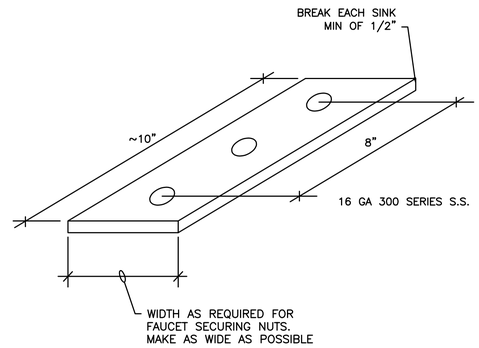
MARK NUMBER	WH 1
TYPE	ELECTRIC
CAPACITY (GAL)	55
KW	10.0
RECOVERY CAP. @ 100F TR (GPH)	41
ELECTRICAL (V/PH)	240/1
DESIGN WEIGHT (LBS)	950
BASIS OF DESIGN: BRADFORD WHITE	LE 255T3–3

PUMP

MARK NUMBER	RP 1
SERVICE	DOMESTIC HOT WATER
TYPE	CIRCULATOR
CONTROLLED BY	AQUASTAT
ARRANGEMENT	IN–LINE
FLOW RATE (GPM)	1.25
HEAD (FT)	12
MOTOR, WATTS	90
POWER (V/PH)	120/1
RPM	3,600
DESIGN WEIGHT (LBS)	6.0

PLUMBING CALCULATIONS - 2019 OPSC

	DOMESTIC WATER SERVICE					SANITARY WASTE SERVICE	
FIXTURE TYPE	NUMBER OF FIXTURES	WATER FIXTURE UNITS	TOTAL WSFU	TOTAL CW FIXTURE UNITS	TOTAL HW FIXTURE UNITS	DRAINAGE FIXTURE UNITS	TOTAL DFU
DRINKING FOUNTAIN / WATER COOLER (GENERAL USE)	0	0.5	0	0	0	0.5	0
KITCHEN SINK	1	3	3	2.25	2.25	2	2
LAVATORY (SINGLE)	4	1	4	3	3	1	4
SHOWER	2	2	4	3	3	2	4
MOP BASIN	1	3	3	2.25	2.25	3	3
RECEPTOR (ELEVATOR WASTE)	0	0	0	0	0	100	0
RECEPTOR (INDIRECT WASTE)	4	---		---	---	1	4
WATER CLOSET (1.6 GPF FLUSH VALVE-GENERAL)	4	5	20	20	0	4	16
HOSE BIBB (FIRST ONE)	1	2.5	2.5	2.5	0	---	
HOSE BIBB (EACH ADDITIONAL)	0	1	0	0	0	---	
	0		0				0
TOTAL	**17**		**36.5**	**33**	**10.5**		**33**
Water Demand			**45**	**GPM**		**Pipe Size**	**3"**
CW Main Size			**2"**				

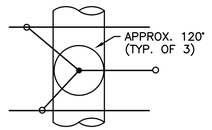


1 / P6.0 SINK REINFORCEMENT
SCALE: DETAIL

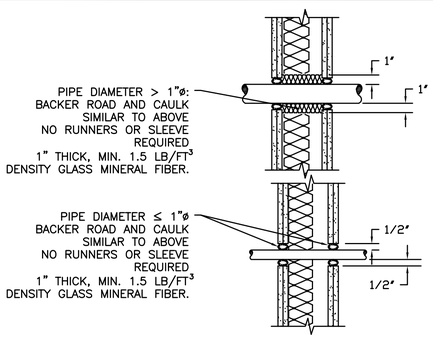
3/P6.0 NOTES

(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

* – MAXIMUM HANGER SPACING SHALL BE AS FOLLOWS:
1–1/4" AND SMALLER PIPE 7' SPAN
1–1/2" PIPE 9' SPAN



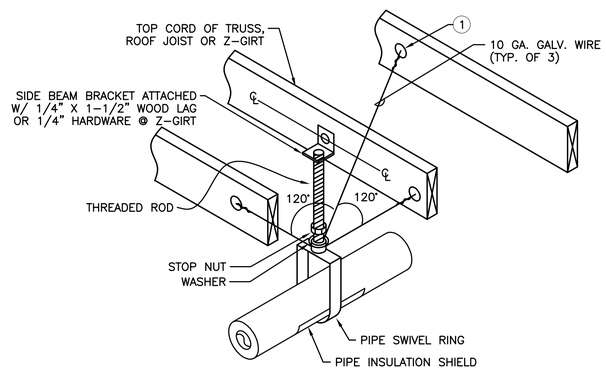
TOP VIEW



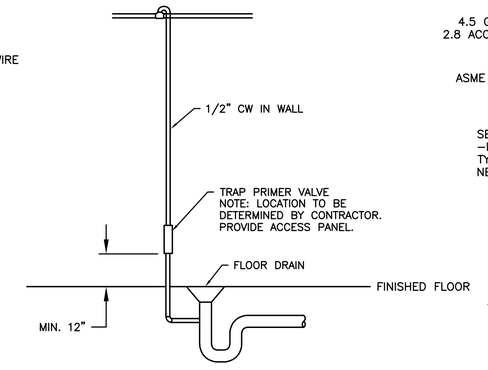
PIPE/CONDUIT PENETRATION DRYWALL CONSTRUCTION
TO BE APPLIED TO WALLS WITH STC ≥ 49

SEE ARCHITECTURAL DRAWINGS FOR ACOUSTICALLY IMPORTANT WALLS (WALL TYPES). SEAL PENETRATIONS IN THOSE WALLS PER THESE DETAILS

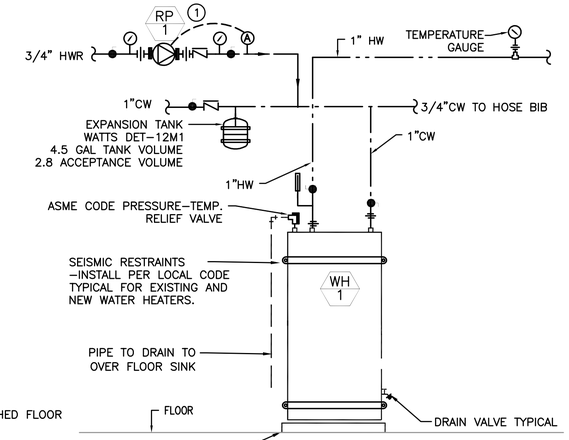
2 / P6.0 ACCOUSTICAL PIPE PENETRATION
SCALE: DETAIL



3 / P6.0 NON–SEISMIC PIPE SUPPORT
SCALE: DETAIL



4 / P6.0 TRAP PRIMER
NOT TO SCALE



NOTES
(1) PROVIDE 7–DAY PROGRAMMABLE ELECTRONIC TIMECLOCK CONTROL TO START/STOP PUMP PER BUILDING OCCUPIED SCHEDULE.

5 / P6.0 WATER HEATER PIPING DIAGRAM
SCALE: DETAIL

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Takako Baker
JULY 9, 2002
TAKAKO BAKER
EXPIRES: 12/31/23

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

PERMIT

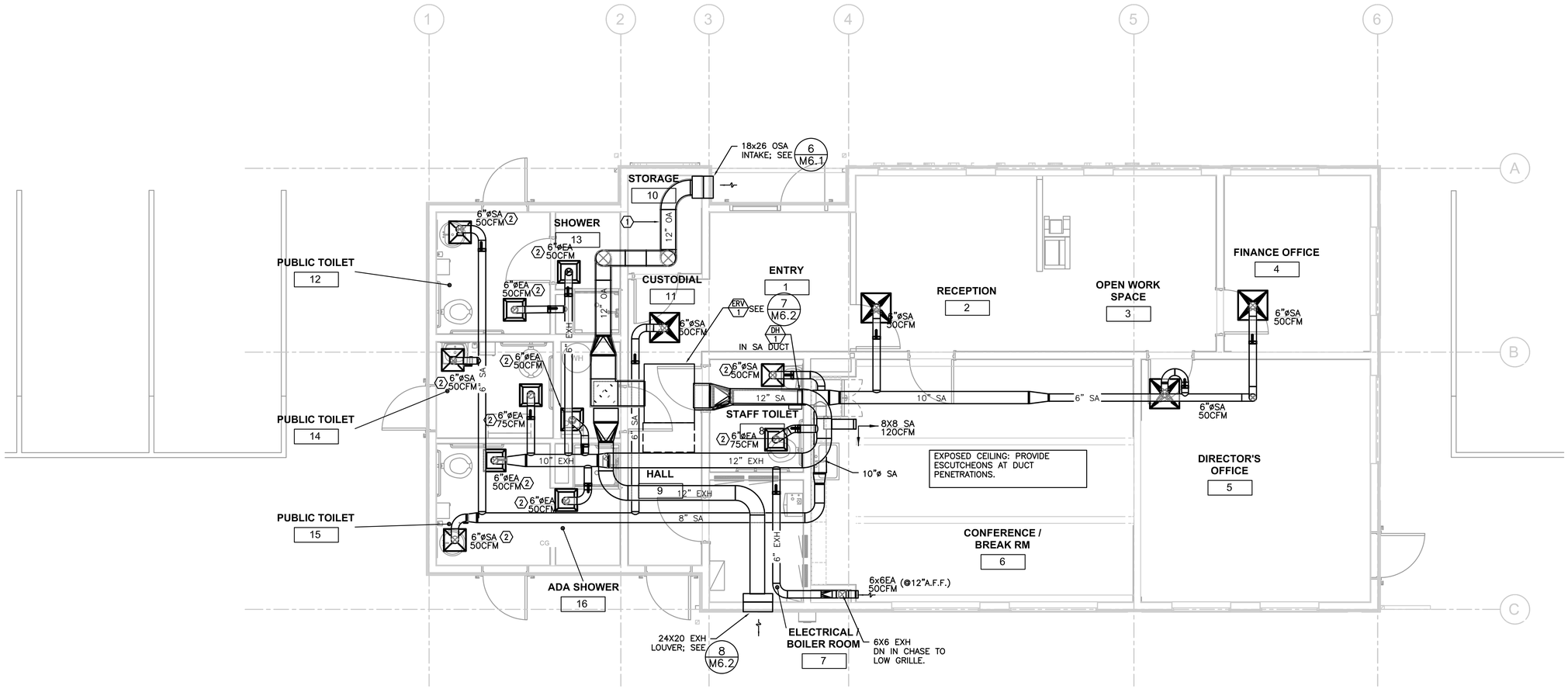
REVISIONS:

#	DATE	DESCRIPTION

DATE: FEBRUARY 2024

SHEET TITLE:
PLUMBING LEGEND, DETAILS AND SCHEDULES

P6.0



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

KEYED NOTES:

1. OUTSIDE AIR (OA) DUCT AND SUPPLY AIR DUCT SHALL BE CONSTRUCTED OF STAINLESS STEEL AND WRAPPED WITH EXTERIOR INSULATION.
2. HARD LID CEILING, PROVIDE 12X12 GRILLE/DIFFUSER.

GENERAL NOTES:

1. SEE M6.0 FOR MECHANICAL LEGEND AND SCHEDULES.
2. SEAL PENETRATIONS IN ACOUSTICALLY IMPORTANT WALLS PER DETAIL 7/M6.1. SEE ARCHITECTURAL FOR ACOUSTICALLY IMPORTANT WALLS LOCATIONS.
3. CONTRACTOR TO COORDINATE DUCTWORK LAYOUT WITH PLUMBING, STRUCTURAL AND ELECTRICAL PRIOR TO INSTALLATION AND ADJUST THE ROUTE ACCORDINGLY.
4. SEE DETAIL 5/M6.1 FOR NON-SEISMIC DUCT SUPPORT AND 4/M6.1 FOR NON-SEISMIC PIPE SUPPORT.

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Takako Baker
JULY 9, 2002
TAKAKO BAKER
EXPIRES: 12/31/23

PROJECT NO.: 22.01

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

PERMIT

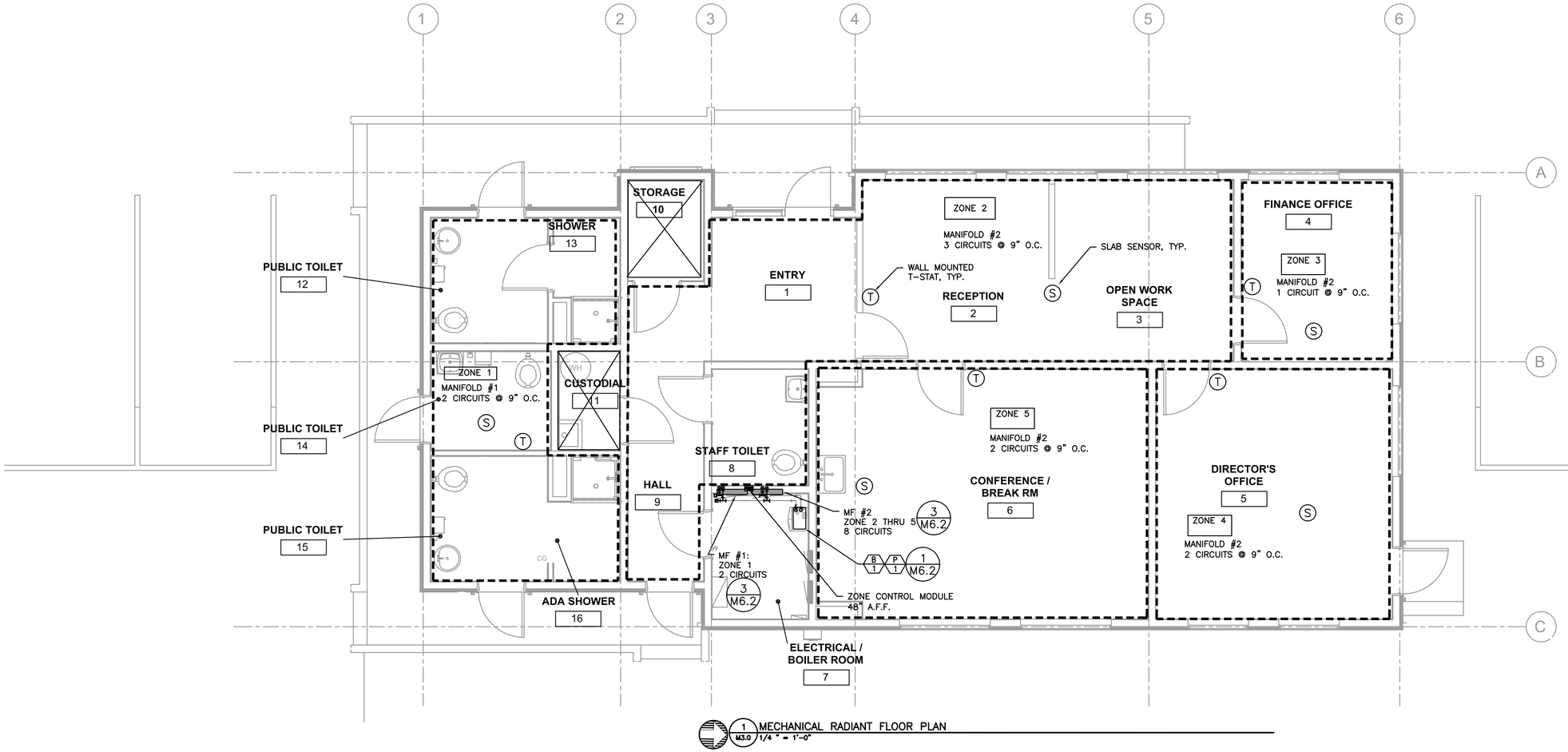
REVISIONS:

#	DATE	DESCRIPTION

DATE: FEBRUARY 2024

SHEET TITLE:
MECHANICAL FLOOR PLAN

M2.0



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

GENERAL NOTES:

1. SEE M6.0 FOR MECHANICAL LEGEND AND SCHEDULES.
2. SEE M6.2 FOR DETAILS.
3. CONTRACTOR TO COORDINATE PIPING LAYOUT WITH PLUMBING, STRUCTURAL AND ELECTRICAL PRIOR TO INSTALLATION AND ADJUST THE ROUTE ACCORDINGLY.
4. SEE DETAIL 4/M6.1 FOR NON-SEISMIC PIPE SUPPORT.

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DATE: FEBRUARY 2024

SHEET TITLE:
MECHANICAL
RADIANT
FLOOR PLAN

M3.0

MECHANICAL LEGEND

- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- EXHAUST AIR GRILLE
- PERFORATED RETURN AIR PANEL
- OR — DIRECTIONAL AIR FLOW
- MANUAL VOLUME DAMPER
- SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
- RETURN AIR DUCT UP & DOWN
- EXHAUST AIR DUCT UP & DOWN
- SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
- RETURN AIR DUCT UP & DOWN
- EXHAUST AIR DUCT UP & DOWN
- VAV TERMINAL UNIT
- VVT TERMINAL UNIT
- (E) EXISTING
- CONNECT TO EXISTING
- T AC-4 THERMOSTAT OR TEMP. SENSOR
- ? NOTE
- XX / ? EQUIPMENT DESIGNATOR
- BALL VALVE
- GATE VALVE
- CHECK VALVE
- BALANCING VALVE
- THERMOMETER
- DIRECTION OF FLOW
- PUMP
- STRAINER
- PRESSURE GAUGE
- T PETE'S PLUG
- DOUBLE CHECK ASSEMBLY
- PRESSURE REDUCING VALVE
- UNION
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- CAP
- S SMOKE DETECTOR
- MOTORIZED DAMPER

AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
B.D.	BOTTOM OF DUCT
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNITS
CFM	CUBIC FEET PER MINUTE
CONN.	CONNECTION
CONT.	CONTINUATION
CW	DOMESTIC COLD WATER
DB	DRY BULB
DIA.	DIAMETER
DIST.	DISTRIBUTION
EA	EXHAUST AIR
EDB	ENTERING DRY BULB TEMPERATURE
EWB	ENTERING WET BULB TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
FF	FINISH FLOOR
FIXT.	FIXTURE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT.	FEET / FOOT
GA.	GAUGE
GPM	GALLONS PER MINUTE
H	HEIGHT
HP	HORSEPOWER
I.D.	INSIDE DIAMETER
IN.	INCHES
L	LENGTH
LBS.	POUNDS
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAX.	MAXIMUM
MBH	THOUSANDS OF BTUs PER HOUR
MIN.	MINIMUM
NC	NOISE CRITERIA
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
- S SMOKE DAMPER

SEISMIC BRACING

- LATERAL BRACING
- LONGITUDINAL BRACING
- LONGITUDINAL & LATERAL BRACING

MECHANICAL GENERAL NOTES

A. THE DRAWINGS ARE DIAGRAMMATIC. PROVIDE ALL MATERIAL (NEW AND UNDAMAGED) AND LABOR FOR A COMPLETE AND OPERABLE SYSTEM. VERIFY ALL BUILDING MEASUREMENTS DIMENSIONS AND EQUIPMENT LOCATIONS BEFORE PROCEEDING WITH ANY OF THE WORK.

B. REFER TO THE MECHANICAL SPECIFICATIONS FOR MATERIALS, EQUIPMENT, AND ADDITIONAL CONSTRUCTION INSTRUCTIONS NOT COVERED BY THESE PLANS.

C. 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 (OEESC), ASHRAE STANDARD 170–2021 AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). WHERE TWO CODES DIFFER THE MORE STRICT OF THE TWO SHALL BE FOLLOWED.

D. OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES HAVING JURISDICTION. SUBMIT ALL CERTIFICATES PRIOR TO ACCEPTANCE.

E. COORDINATE WITH OTHER CRAFTS AS REQUIRED TO COMPLETE WORK IN ACCORDANCE WITH CONSTRUCTION SCHEDULE.

F. PROVIDE OWNER INSTRUCTION BY QUALIFIED PERSONNEL ON EQUIPMENT AND SYSTEMS AT OWNER'S REQUEST.

G. 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.

H. PROVIDE MANUAL BALANCING DAMPERS ON BRANCH DUCTS SERVING DIFFUSERS AND GRILLES.

I. 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.

J. MANUFACTURERS AND MODEL NUMBERS LISTED IN THE EQUIPMENT SCHEDULES ARE THE BASIS OF DESIGN.

K. 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.

L. INSTALL LABELS ON ALL MECHANICAL EQUIPMENT.

M. 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.

N. 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.

O. ALL NEW EQUIPMENT, PIPING, CONDUIT, AND DUCTWORK SHALL BE INSTALLED PER CURRENT OREGON SEISMIC CODE REQUIREMENTS.

P. PROVIDE LOW LEAK AUTOMATIC DAMPERS ON OUTSIDE AIR, EXHAUST AIR AND RELIEF AIR CONTROL DAMPERS WHERE THESE ARE INDICATED.

V. PROVIDE STAFF TRAINING, OPERATION AND MAINTENANCE MANUALS AND RECORD DRAWINGS IN ACCORDANCE WITH SPECS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

ENERGY RECOVERY UNIT SCHEDULE

MARK		ERV
NUMBER		1
CLIMATE ZONE		4C
LOCATION		1ST FLOOR
SUPPLY	TOTAL CFM	520
	EXTERNAL SP. ("H20)	0.7"
	DISCHARGE DIRECTION	HORIZONTAL
	FILTER	1" MERV 8
	SMOKE DETECTOR	N
EXHAUST	TOTAL CFM	450
	EXTERNAL SP. ("H20)	0.7"
	DISCHARGE DIRECTION	HORIZONTAL
	FILTER	1" MERV 8
	SMOKE DETECTOR	N
HEAT EXCHANGER	SUMMER OSA (° F DB/WB)	70/62
	SUMMER RA(° F DB/WB)	75/62
	SUMMER LAT (° F DB/WB)	73.5/62.6
	WINTER OSA (° F DB/WB)	30.9/28
	WINTER RA(° F DB/WB)	70/58
	WINTER LAT (° F DB/WB)	58.4/48.5
	TOTAL EFFICIENCY %	62.30%
ELECTRICAL POWER V/PH/FLA (AMPS)		240/1/6.3
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.
2. START/STOP FROM PROGRAMMABLE TIME-CLOCK. OPERATE UNIT CONTINUOUSLY DURING OCCUPIED PERIOD.

ELECTRIC DUCT HEATERS

MARK NUMBER	DH 1
SERVICE	ERV-1
TYPE	DUCT MOUNT
KW	2.0
CONTROL	DAT SENSOR
DISCHRAGE AIR TEMP SET POINT, DEG. F	68
ELECTRICAL (V/PH)	240/1
AMPS	8.33

BOILER

MARK	B
NUMBER	1
TYPE	ELECTRIC SELF CONTAINED
kW/ BTUH	15/51,100
FLOW RATE AT 20F DELTA T (GPM)	5.11
PRESS DROP AT 20F DELTA T (FT. OF HEAD)	0.867
PROPYLENE GLYCOL, %	30
MIN. REQUIRED GPM	2.00
ENTERING WATER TEMP. (DEG. F.)	100
LEAVING WATER TEMP. (DEG. F.)	120
REQUIRED HEATING LOAD, BTU/HR	38,400
DESIGN GPM	3.84
V/PH/MCA/MOCP (AMPS)	240/1/62.6/30+60
SHIPPING WEIGHT (LBS)	175
BASIS OF DESIGN: ELECTRO INDUSTRIES MODEL	EZB-T1-15-240-1
NOTES:	
1. BOILER INCLUDES THE FOLLOWING COMPONENTS: 12 PSI 2.1 GAL. EXP. TANK, CIRCULATION PUMP (SEE SCHEDULE), SUPPLY WATER AND OUTDOOR TEMPERATURE SENSORS, PRESSURE/TEMPERATURE GAUGE, 30 PSI RELIEF VALVE & AIR ELIMINATOR	
2. PROVIDE LOW WATER CUTOFF.	

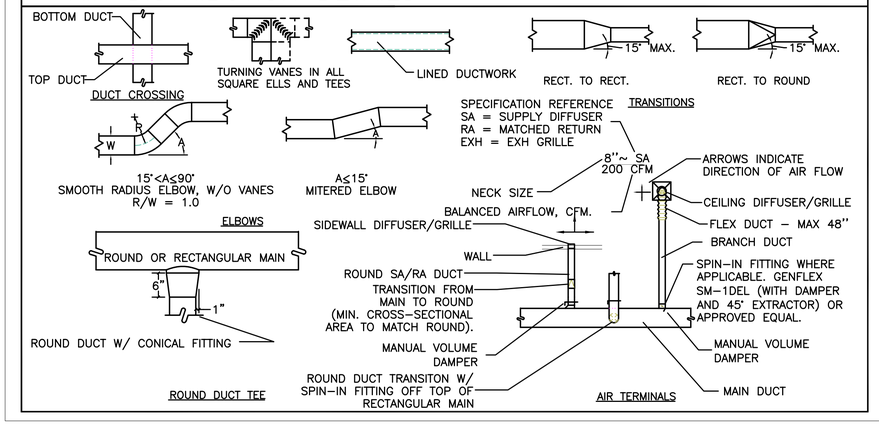
PUMP SCHEDULE

MARK	P
NUMBER	1
SERVICES	RADIANT HEATING FLOOR
TYPE	CIRCULATOR
DESIGN FLOW RATE (GPM)	3.84
VFD / EC MOTOR	EC
POLYPROPYLENE GLYCOL (%)	30
VOLTAGE/PH/MCA/MOCP (AMPS)	120/1/0.54/10
NOTES: PUMP IS PART OF THE THE BOILER B-1 PACKAGE.	

MANIFOLD SCHEDULE

MANIFOLD TAG#	NUMBER OF ZONES	NUMBER OF CIRCUITS	TUBING SIZE	TUBING O.C. DISTANCE INCHES	POLYPROP GLYCOL %	SUPPLY TEMPERATURE DEG. F	TEMP DROP DEG. F	TOTAL FLOW GPM	HEAD LOSS FT. WATER	TOTAL LOAD BUT/HR	CONTROL TYPE	# OF ACTUATORS	ACCESS PANEL SIZE WxHxD
MANIFOLD #1	1	2	1/2	9	30	112	20	0.50	1.00	4,781	MANIFOLD	1	24"X23"X3-7/8"
MANIFOLD #2	4	8	1/2	9	30	112	20	2.70	3.80	25,621	CIRCUIT	8	43.5"x23"x3-7-8"

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**
								Vou	**Vps**	

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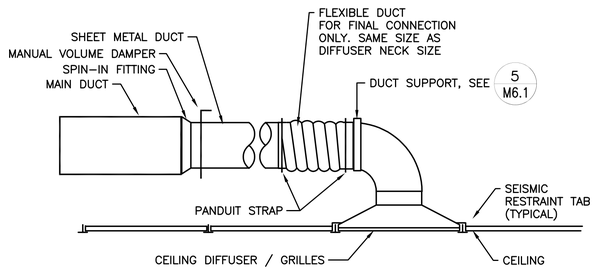
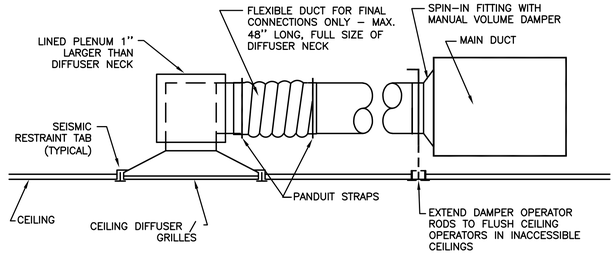
SHEET TITLE:
MECHANICAL SCHEDULES

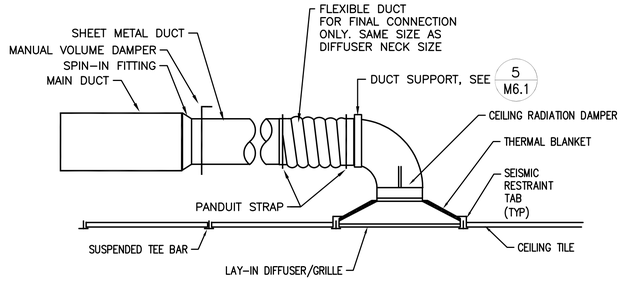
M6.0



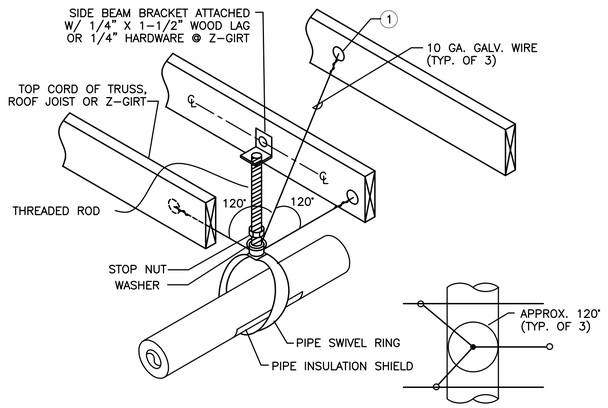
1 M6.1 CEILING DIFFUSER / GRILLES
SCALE: DETAIL



2 M6.1 CEILING DIFFUSER / GRILLES
SCALE: DETAIL



3 M6.1 CEILING DIFFUSER / GRILLES w/ FIRE DAMPER
SCALE: DETAIL



TOP VIEW

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

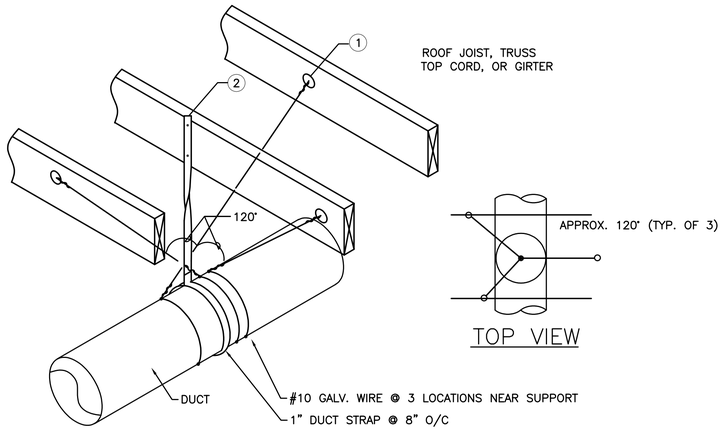
- FOR SINGLE 1–1/2" TO 3" STEEL LINES
- FOR SINGLE 2" COPPER LINES

4 M6.1 PIPE SUPPORT
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

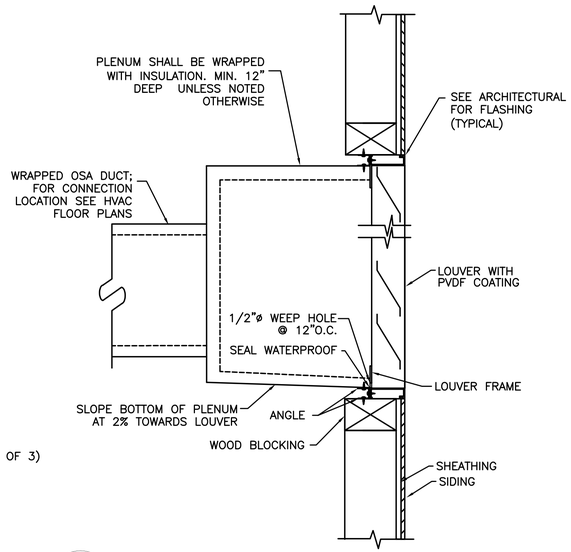
2 – ATTACH TO TOP CORD. OF TRUSS ONLY OR WOOD JOIST W/ #12 X 1–5/8 DECK SCREW @ MIN. 1" FROM WOOD MATERIAL EDGE. ATTACH TO Z–GIRT W/ (2) #12 TEK SCREWS. FOR METAL DECK USE (2) 12–14 SHEETMETAL SCREWS



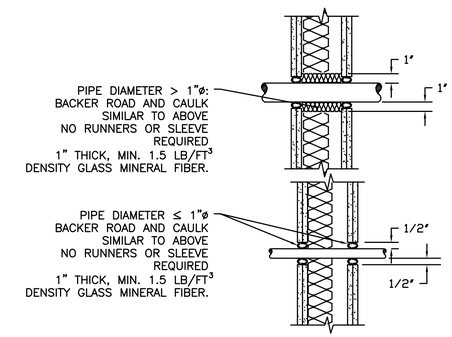
TOP VIEW

- 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 M6.1 DUCT SUPPORT
SCALE: DETAIL



6 M6.1 INTAKE LOUVER DETAIL
NTS



PIPE/CONDUIT PENETRATION DRYWALL CONSTRUCTION
TO BE APPLIED TO WALLS WITH STC ≥ 49

SEE ARCHITECTURAL DRAWINGS FOR ACOUSTICALLY IMPORTANT WALLS (WALL TYPES). SEAL PENETRATIONS IN THOSE WALLS PER THESE DETAILS

7 M6.1 ACCOUSTICAL DUCT & PIPE PENETRATION
SCALE: DETAIL

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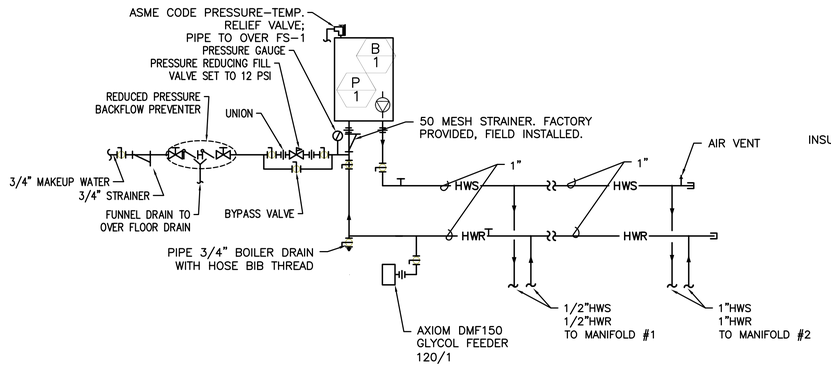
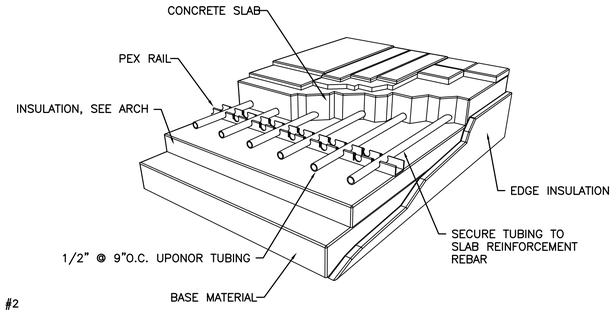
MECHANICAL DETAILS

M6.1

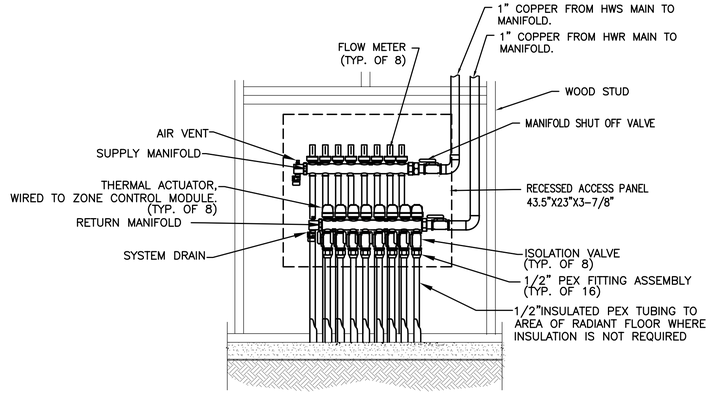


1 M6.2 BOILER PIPING DIAGRAM
SCALE: DETAIL



INSTALLATION NOTES:
1. PROVIDE METAL OR PLASTIC BEND SUPPORTS TO SUPPORT 90 TO 180 DEGREE DIRECTION CHANGES IN THE CONCRETE TO MAINTAIN ON CENTER DISTANCES.

2 M6.2 RADIANT FLOOR PIPING DIAGRAM
SCALE: DETAIL



NOTES:
1. SUPPORT MANFIOLD TO STRUCTURE PER MFR'S INSTALLATION MANUAL.
2. INSTALL ACCESS PANEL MINIMUM OF 2'-0" ABOVE FINISHED FLOOR.

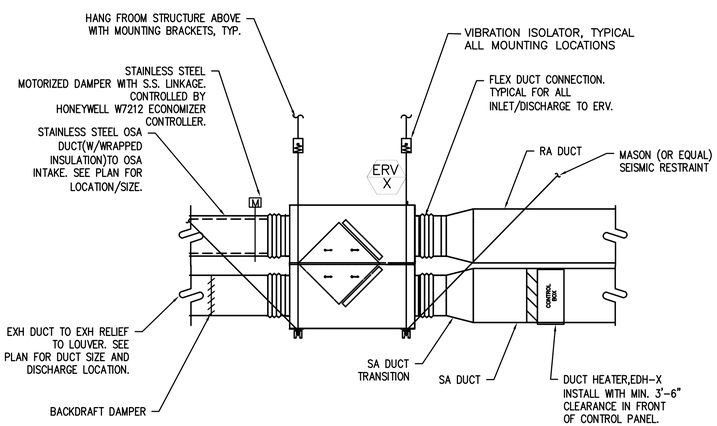
3 M6.2 MANIFOLD #2 DETAIL
SCALE: DETAIL

4 M6.2 SLAB SENSOR
SCALE: DETAIL

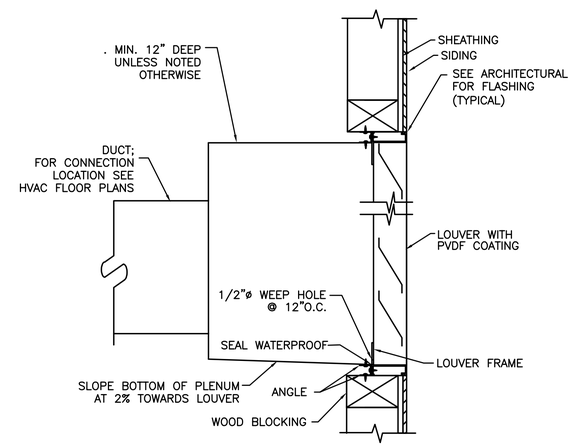
5 M6.2 RADIANT FLOOR CONTROLS DIAGRAM
SCALE: DETAIL

NOTES:
1. SUPPORT MANFIOLD TO STRUCTURE PER MFR'S INSTALLATION MANUAL.
2. INSTALL ACCESS PANEL MINIMUM OF 2'-0" ABOVE FINISHED FLOOR.

6 M6.2 MANIFOLD #1 DETAIL
SCALE: DETAIL



7 M6.2 ERV-1 DETAIL
SCALE: DETAIL



8 M6.2 RELIEF LOUVER DETAIL
NTS

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Takako Baker
JULY 9, 2002
TAKAKO BAKER
EXPIRES: 12/31/23

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

PERMIT

REVISIONS:
#	DATE	DESCRIPTION

DATE: FEBRUARY 2024

SHEET TITLE:
MECHANICAL DETAILS

M6.2

ELECTRICAL SYMBOL SCHEDULE

SYMBOLS	ONELINE DIAGRAM	NOTES
	MOLDED CASE CIRCUIT BREAKER	
	TRANSFORMER	
	CURRENT TRANSFORMER(S)	
M	METER, TYPE AS NOTED	
	GROUND	
N	NEUTRAL BUS	
2	MOTOR WITH MOTOR NUMBER (SEE EQUIPMENT SCHEDULE)	
D	COMBINATION FIRE SMOKE DAMPER	2
X	EQUIPMENT NUMBER (SEE EQUIPMENT SCHEDULE)	
	NON-FUSED DISCONNECT SWITCH	
	FUSED DISCONNECT SWITCH (FUSES SIZED PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS UNO.)	
	COMBINATION MOTOR STARTER / FUSED DISCONNECT SWITCH	
H	ADA DOOR OPERATOR	
	BRANCH CIRCUIT PANELBOARD	
	MISCELLANEOUS PANEL AS NOTED	
	MAIN OR SUB DISTRIBUTION PANELBOARD	
T	TRANSFORMER	

SYMBOLS	RACEWAYS	NOTES
	BRANCH CIRCUIT INSTALLED CONCEALED FROM FINISH SPACES . PROVIDE GROUND CONDUCTOR AS INDICATED IN PANEL SCHEDULE . GROUND CONDUCTOR NOT INCLUDED IN HASH MARK INDICATION .	
	BRANCH CIRCUIT INSTALLED IN OR BELOW FLOOR . PROVIDE GROUND CONDUCTOR AS INDICATED IN PANEL SCHEDULE . GROUND CONDUCTOR NOT INCLUDED IN HASH MARK INDICATION .	
L.A.-13,3,5	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 .	
	LOW VOLTAGE EMPTY CONDUIT WITH PULL STRING - ¾" UNO	
PB	PULL BOX , 6" x 6" x 4" UNLESS NOTED OTHERWISE	
J J	JUNCTION BOX , 4" SQUARE UNLESS OTHERWISE NOTED	
	4" CONDUIT SLEEVE WITH BUSHINGS AT BOTH ENDS . LOCATE AT 6" ABOVE ACCESSIBLE CEILING . FIRESTOP WITH UL APPROVED SYSTEM .	
	CONDUIT STUB-OUT, CAP & MARK WITH APPROVED MARKER	
	CONDUIT , UP	
	CONDUIT , DOWN	

SYMBOLS	RECEPTACLES	NOTES
•	WHEN ADDED TO A SYMBOL , INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO.	
	DUPLEX CONVENIENCE OUTLET	+ 18"
	GFI DUPLEX CONVENIENCE OUTLET	+ 18"
	DUPLEX OUTLET CONNECTED TO EMERGENCY CIRCUIT	+ 18"
	DOUBLE DUPLEX CONVENIENCE OUTLET	+ 18"
	SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED	+ 18" UNO
	THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED	
	FLUSH FLOOR OUTLET AS SHOWN	

SYMBOLS	TELEPHONE / DATA	NOTES
•	WHEN ADDED TO SYMBOL , INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO	
T 2	TELE/DATA. PROVIDE CABLES AS SHOWN	+ 18" 1
T W	'W' ADDED TO SYMBOL INDICATES WALL MOUNTED	+ 60" 1
T 2	FLOOR OUTLET WITH CABLES AS SHOWN	1
TTB	TELEPHONE TERMINAL BOARD , 8" HIGH (WIDTH AS SHOWN) , ¾" FIRE RESISTIVE PLYWOOD WITH # 6 CU GND	
	WIRELESS ACCESS PORT. PROVIDE (1) CAT6a CABLES	1

NOTES

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

KEYED NOTES

1. 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.

SYMBOLS	LIGHT FIXTURES	NOTES
	WHEN ADDED TO LIGHT FIXTURE SYMBOL- INDICATES WALL OR BRACKET MOUNTED LIGHT FIXTURE	
FD 2. a	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)	
	RECESSED CEILING LIGHT FIXTURE	
	RECESSED WALL WASHER , UNSHADED SIDE INDICATES DIRECTION OF WALL WASHING	
	FLUORESCENT LIGHT FIXTURE	
	FLUORESCENT STRIP LIGHT FIXTURE	
	SINGLE FACE EXIT SIGN WITH NUMBER OF DIRECTIONAL ARROWS AS SHOWN , CEILING MOUNTED . SOLID QUADRANT INDICATES FACE.	

SYMBOLS	SWITCHES	NOTES
$	SINGLE POLE LIGHT SWITCH	+ 46"
$3	THREE WAY LIGHT SWITCH	+ 46"
$M	MOTOR RATED SWITCH	+ 46"
C W	OCCUPANCY SENSOR - C=CEILING W=WALL MOUNTED	
P	PHOTOELECTRIC SWITCH	

SYMBOLS	SECURITY	NOTES
K	SECURITY CAMERA, PROVIDE J-BOX WITH CAT 6 CABLE	1
L	ELECTRONICALLY CONTROLLED LOCK	
	DOOR POSITION SWITCH	
M	MOTION DETECTOR (OMNI DIRECTIONAL)	
CR	CARDREADER	+ 44"
AB	ACCESS BUTTON	+ 44"

SYMBOLS	AUDIO / VISUAL	NOTES
S	CEILING SPEAKER	
S	WALL MOUNTED SPEAKER	+ 80"
S	WALL MOUNTED SPEAKER HORN	+ 80"
TV	TELEVISION (VIDEO) OUTLET	+ 18"
IR	INTERCOM REQUEST STATION (SPEAKER & PUSH BUTTON)	+ 44"

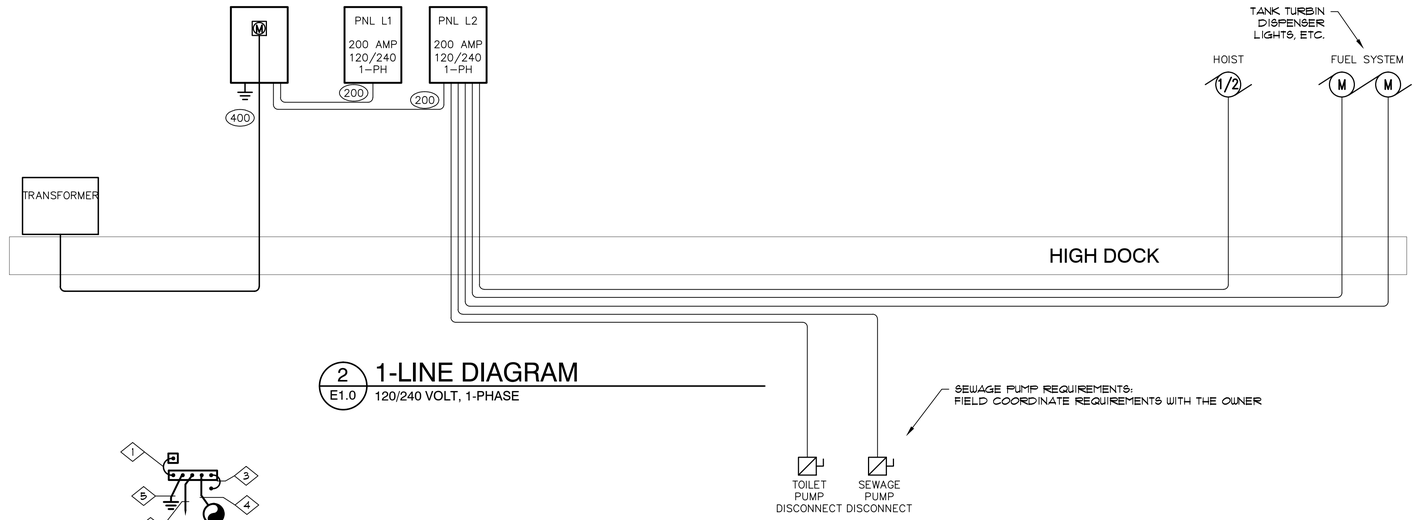
SYMBOLS	FIRE ALARM	NOTES
M	MANUAL PULL STATION	+ 44"
V	COMBINATION VISUAL / AUDIBLE ALARM	+ 80" AFFB
V	VISUAL STROBE ALARM	+ 80" AFFB
P	PHOTOELECTRIC SMOKE DETECTOR (CEILING MOUNTED UNO)	
I	IONIZATION SMOKE DETECTOR (CEILING MOUNTED UNO)	
D	MAGNETIC DOOR HOLDER	
H	HEAT DETECTOR (CEILING MOUNTED, 135° UNO)	

SYMBOLS	ABBREVIATIONS	NOTES
AIC	AMPERE INTERRUPTING CAPACITY	
AMP	AMPERE	
C	CONDUIT	
EC	EMPTY CONDUIT (WITH PULL-IN LINE)	
ELEC	ELECTRICAL	
FAAP	FIRE ALARM ANNUNCIATOR PANEL	
FACP	FIRE ALARM CONTROL PANEL	
G, GND	GROUND	
GEN	GENERATOR	
GFI	GROUND FAULT CIRCUIT INTERRUPTER TYPE	
HP	HORSEPOWER	
IG	ISOLATED GROUND	
MECH	MECHANICAL	
MFGR	MANUFACTURER	
NEC	NATIONAL ELECTRIC CODE	
NL	NIGHT LIGHT	24 HOUR 'ON'
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	
OFOI	OWNER FURNISHED OWNER INSTALLED	
PB	PULL BOX	
# PH	PHASE	
PNL	PANEL	
PWR	POWER	
SYS	SYSTEM	
T	TELEPHONE	
TTB	TELEPHONE TERMINAL BOARD	
TYP	TYPICAL	
UNO	UNLESS NOTED OTHERWISE	
V	VOLT	
VP	VANDAL PROOF	
W	WATT	
WP	WEATHERPROOF TYPE	

FEEDER SCHEDULE

(400) ALUMINUM: 2 SETS - 2 1/2" C, 3 #250 PH

(200) ALUMINUM: 2" C, 3 #250 PH, #4 GRD



2 1-LINE DIAGRAM
E1.0 120/240 VOLT, 1-PHASE

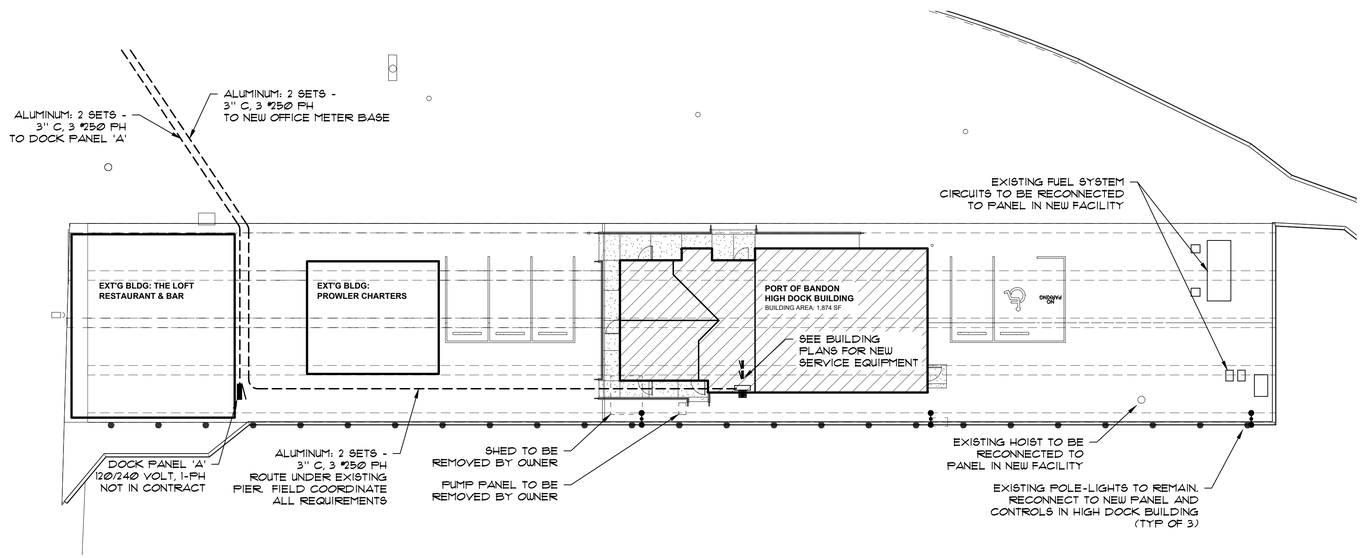
GROUNDING NOTES

1. #1/0 KCMIL CU MAIN BONDING JUMPER PER NEC 250-28(d)
2. #1/0 KCMIL CU GROUNDING ELECTRODE SYSTEM TO ALL ITEMS IN NEC 250-104
3. #6 CU EQUIPMENT BONDING JUMPER PER NEC 250-92 & 250-102(d)
4. #6 CU BOND TO INTERNAL METAL PIPING SYSTEM PER NEC 250-104(c)
5. #4 CU TO CONCRETE ENCASED ELECTRODE PER NEC 250-50

3 GROUNDING DETAIL
E1.0 DIAGRAMMATIC

PROJECT NOTES

1. THE BUILDING LOCATION IS DESIGNATED AS BEING IN A FLOOD PLAIN. THE EXTERIOR WALL IS DESIGNED 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 PLAIN. FIELD COORDINATE MOUNTING HEIGHT.
2. 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.
3. THE EXISTING FUEL STATION SHALL BE DISCONNECTED AND RECONNECTED COMPLETE TO THE NEW FACILITY. FIELD COORDINATE ALL REQUIREMENTS.
4. THE SEWER PUMP STATION AND TOILET PUMP ON 'D' FLOAT SHALL BE DISCONNECTED AND RECONNECTED COMPLETE TO THE NEW FACILITY. FIELD COORDINATE ALL REQUIREMENTS.
5. ALL WIRING SHALL BE IN CONDUIT OR SHALL BE MC CABLE. NON-METALLIC SHEATHED CABLE (ROMEX) SHALL NOT BE PERMITTED.



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

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REGISTERED PROFESSIONAL ENGINEER 65580 OREGON JULY 13, 2004 GREGORY L. PRIDE
EXPIRES 12-31-24

PROJECT NO.: 22.01

HIGH DOCK BUILDING
PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

PERMIT

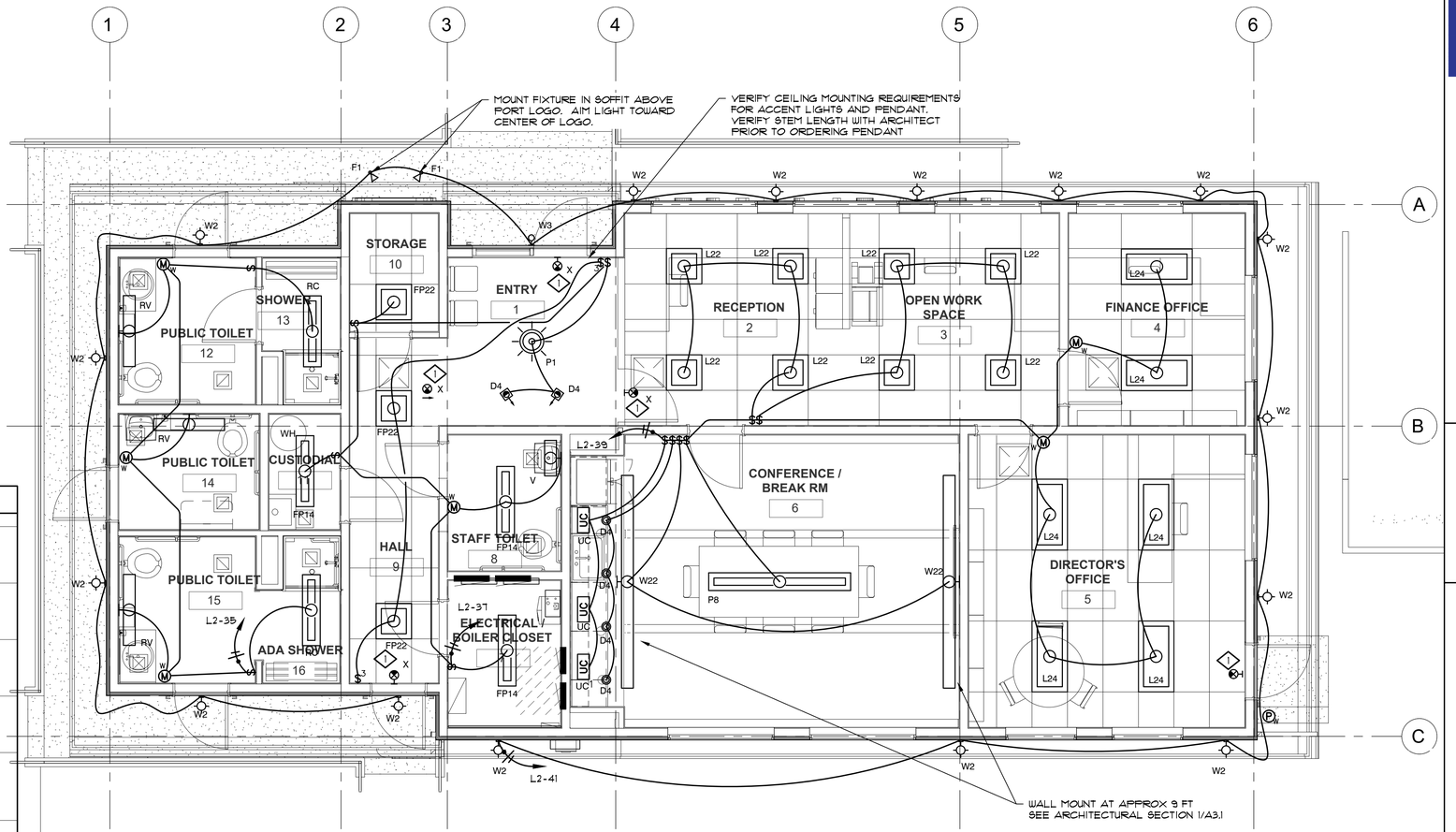
REVISIONS:

#	DATE	DESCRIPTION

DATE: FEBRUARY 2024

SHEET TITLE:
ELECTRICAL SYMBOLS & SCHEDULES

E1.0



1 / E2.0 ELECTRICAL PLAN - LIGHTING

SCALE: 1/4" = 1'-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
F1	HYDREL PLACER-A-P2-80CRI-35K-12-30DEG-FLC C3-BRS WALL POWER PACK: WP2J-ET15-120-12C-BRS	TYPE: LED FLOOD LIGHT HOUSING: ALUMINUM FINISH: BRONZE MOUNTING: SURFACE - SOFFIT WP2 POWER BOX LAMPS: LED, 30 DEG, 3,500K, 940 LUMEN (12 WATTS)
FP14	LITHONIA CPANL 1X4 ALO1 SWW7 M4	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 (22/31/41 WATTS)
FP22	LITHONIA CPANL 2X2 ALO1 SWW7 M4	TYPE: 2 X 2 LED FLAT PANEL HOUSING: ALUMINUM FRAME FINISH: WHITE POLYESTER COATING MOUNTING: CEILING GRID LAMPS: LED, 82 CRI, 3,500K, 2,400 LUMEN (22/31/41 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)
P1	TMS LIGHTING - NAUTIC NAU I-24-19LED-C36-30K-120-F18-G2-BL	TYPE: NAUTICAL PENDANT MOUNTING: CEILING PENDANT - SINGLE-STEM VERIFY STEM LENGTH WITH ARCHITECT PRIOR TO ORDER FINISH: ARCHITECTURAL BRONZE - FROSTED LAMPS: LED 3,000K, 1,300 LUMEN (19 WATTS)
P8	FINELITE S12 LED ID 8'-3E-S/H-835-FTD- 120V-DC-FA-CE-C4- CONTACT FACTORY FOR DUAL CIRCUIT	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
RC	KENALL - MILLENIUM STRETCH MLHA12-48-R-MW-PP-45L35K- -DCC-1-120	TYPE: HIGH ABUSE - CEILING TRIM: WHITE - POLYCARBONATE LENS MOUNTING: SURFACE - CEILING LAMPS: LED 3500K, 4600 LUMENS, 49 WATTS
RV	KENALL - MILLENIUM STRETCH MLHA5V-48-SP-MW-PP-45L35K- -DCC-120-LEL BATTERY	TYPE: HIGH ABUSE - VANITY LIGHT TRIM: WHITE - POLYCARBONATE LENS MOUNTING: SURFACE - WALL LAMPS: LED 3500K, 4200 LUMENS, 49 WATTS
UC	KELVIX UCxx-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
V	KICHLER ROONE VANITY LIGHT 85051CH	TYPE: VANITY LIGHT HOUSING: RIBBED ACRYLIC GLASS FINISH: CHROME MOUNTING: SURFACE - WALL LAMPS: LED, 1400 LUMEN (28 WATTS)
W2	LITHONIA WDGE1LED P1 30K 80CRI VW MVOLT DDBXD	TYPE: LED WALL PACK HOUSING: DIE-CAST ALUMINUM FINISH: DARK BRONZE MOUNTING: SURFACE - WALL LAMPS: LED, 3,000K, 1200 LUMEN (10 WATTS)
W3	LITHONIA WDGE2LED P3 30K 80CRI VW MVOLT DDBXD	TYPE: LED WALL PACK HOUSING: DIE-CAST ALUMINUM FINISH: DARK BRONZE MOUNTING: SURFACE - WALL LAMPS: LED, 3,000K, 3100 LUMEN (23 WATTS)
W12	FINELITE S12 LED WM ID-DCD-12'-2E-S-835-FTD-120-WGSSNSUR-FE-DBO 120V-SC-SUR-CE-DBO	TYPE: 12-FOOT LED WALL MOUNTED HOUSING: DIE-FORMED STEEL MOUNTING: SURFACE WALL LAMPS: LED 5600 LUMEN 3500K 43 WATTS
X1	LITHONIA - ECBR 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

KEYED NOTES

1. EXIT SIGNS TO BE CONNECTED TO UNSWITCHED CIRCUIT SERVING THIS AREA.

SHEET NOTES

1. CONTRACTOR SHALL REVIEW ARCHITECTURAL SECTIONS, ELEVATIONS AND OTHER PLANS FOR LIGHT FIXTURE MOUNTING HEIGHTS. SHOULD THE FIXTURE NOT BE SHOWN, PLEASE CONSULT THE ARCHITECT FOR APPROPRIATE MOUNTING HEIGHT.

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REGISTERED PROFESSIONAL ENGINEER 65580 OREGON JULY 13, 2004 GREGORY L. PRIDE
EXPIRES 12-31-24

PROJECT NO.: 22.01

HIGH DOCK BUILDING

PORT OF BANDON

PORT OF BANDON HIGH DOCK
BANDON, OREGON

PERMIT

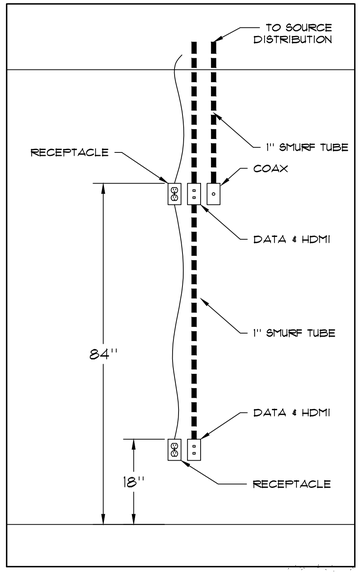
REVISIONS:

#	DATE	DESCRIPTION

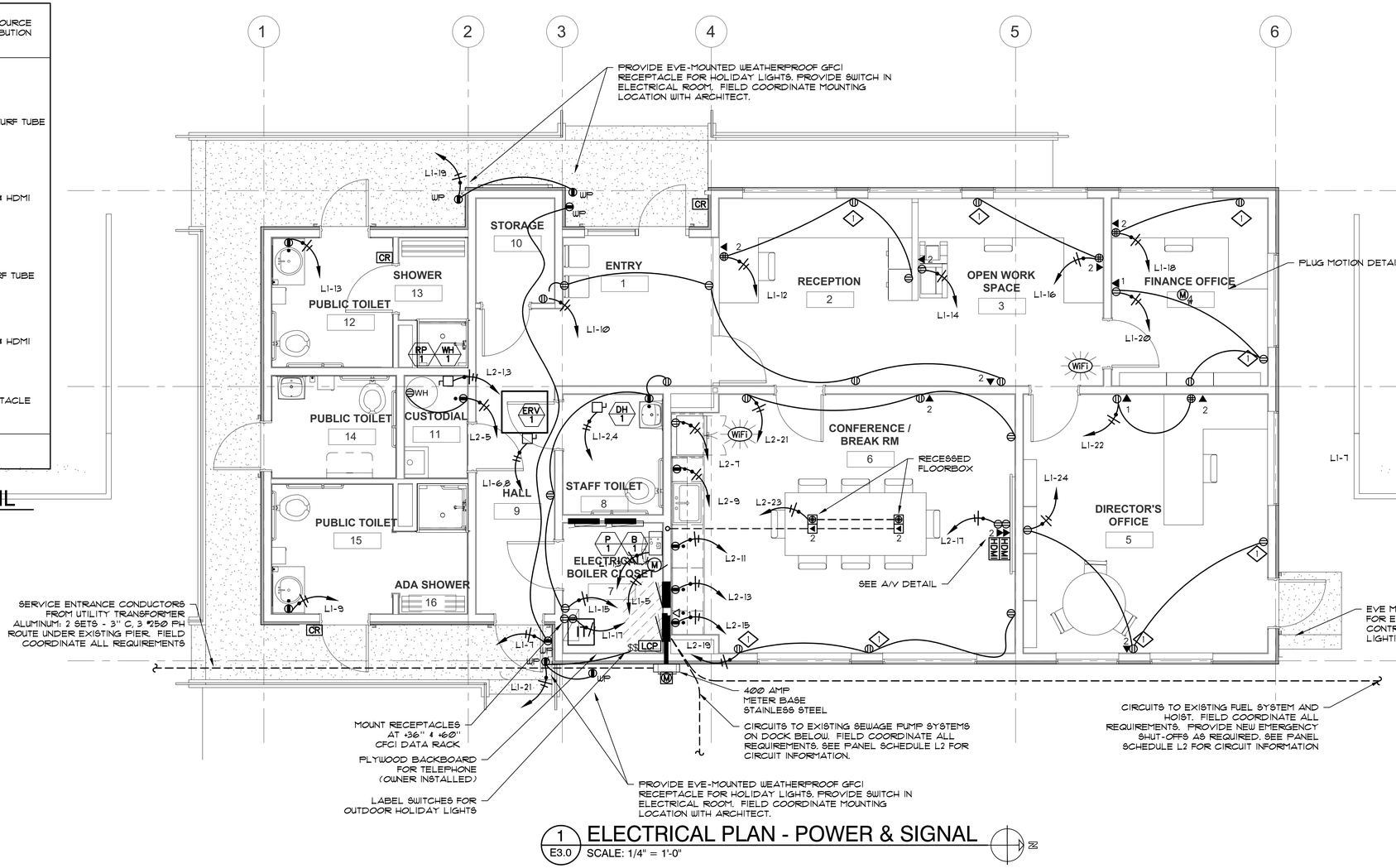
DATE: FEBRUARY 2024

SHEET TITLE:
ELECTRICAL PLAN
LIGHTING

E2.0



2 VIDEO WALL DETAIL
E100 SCALE: 3/4" = 1'-0"



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

PANEL 'L1' — FAULT CURRENT = 12,373
200 AMP MAIN BREAKER — 120 / 240 VOLTS — 1-PHASE, 3-WIRE
FEEDER SIZE — ALUMINUM: 2" C, 3 #250 PH, #4 GRD — FLUSH MOUNTED

LOAD DISTRIBUTION	LTG	REC	MOTOR	DATA	EXTG	HEAT		MISC	PH-A	PH-B	TOTAL	AMPS	WITH SPARE	25%
CONNECTED VA	0	8340	3168	0	0	13000		0	13472	11036	24508	112	30635 VA	140
DIVERSITY FACTOR	125%	100%	100%	100%	65%	100%		100%						
DIVERSIFIED VA	0	8340	3168	0	0	13000		0	13472	11036	24508	112	30635 VA	140

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	20	1/2	12	12		1000	DUCT HEATER DH - 1	H	2
3	H		5500							B						1000		H	4
5	M	BOILER PUMP P-1	1656	3/4	12	12	1/2	20	1	A	20	1/2	12	12		756	ERV - 1	M	6
7	R	REC: EXTERIOR DOORS	360		12	12	1/2	20	1	B						756		M	8
9	R	REC: ADA SHOWER	180		12	12	1/2	20	1	A	20	1/2	12	12		900	REC: ENTRY / RECEP.	R	10
11		SPARE	0				1/2	20	1	B	20	1/2	12	12		720	REC: RECEPTION	R	12
13	R	REC: SHOWER	180		12	12	1/2	20	1	A	20	1/2	12	12		1500	REC: PRINTER	R	14
15	R	REC: HALL / TOILET	720		12	12	1/2	20	1	B	20	1/2	12	12		540	REC: WORK STATION	R	16
17	R	REC: DATA RACK	360		12	12	1/2	20	1	A	20	1/2	12	12		540	REC: FINANCE	R	18
19	R	REC: W. EVES	360		12	12	1/2	20	1	B	20	1/2	12	12		540	REC: FINANCE	R	20
21	R	REC: E. EVES	360		12	12	1/2	20	1	A	20	1/2	12	12		540	REC: DIRECTOR	R	22
23		SPARE	0				1/2	20	1	B	20	1/2	12	12		540	REC: DIRECTOR	R	24
25		SPARE	0				1/2	20	1	A	20	1/2				0	SPARE		26
27		SPARE	0				1/2	20	1	B	20	1/2				0	SPARE		28
29		SPARE	0				1/2	20	1	A	20	1/2				0	SPARE		30
31		SPARE	0				1/2	20	1	B	20	1/2				0	SPARE		32
33		SPARE	0				1/2	20	1	A	20	1/2				0	SPARE		34
35		SPARE	0				1/2	20	1	B	20	1/2				0	SPARE		36
37										A									38
39										B									40
41										A									42

L1 — 12/13/2023 — FED FROM PANEL 'METER'
ALL CIRCUIT CONDUCTORS SIZED FOR COPPER — 23.13 Schedules

PANEL 'L2' — FAULT CURRENT = 12,989
200 AMP MAIN BREAKER — 120 / 240 VOLTS — 1-PHASE, 3-WIRE
FEEDER SIZE — ALUMINUM: 2" C, 3 #250 PH, #4 GRD — FLUSH MOUNTED

LOAD DISTRIBUTION	LTG	REC	MOTOR	DATA	EXTG	HEAT		MISC	PH-A	PH-B	TOTAL	AMPS	WITH SPARE	25%
CONNECTED VA	2417	4596	9433	0	0	10000		0	13427	13019	26446	112	33058 VA	140
DIVERSITY FACTOR	125%	100%	100%	100%	65%	100%		100%						
DIVERSIFIED VA	3021	4596	9433	0	0	10000		0	13764	13287	27050	115	33813 VA	143

PL	T	LOAD	VA	HP	PHW	GND	CON	BKR	PH		BKR	CON	GND	PHW	HP	VA	LOAD	T	PL
1	H	WATER HEATER	5000		6	10	3/4	60	2	A	35	1/2	10	10	3	2040	SEWAGE / BOAT PMP	M	2
3	H		5000							B						2040		M	4
5	M	RECIRC PUMP	360		12	12	1/2	20	1	A	20	1/2	12	12	1	960	TOILET PUMP	M	6
7	R	REFRIGERATOR	1176	1/2	12	12	1/2	20	1	B						960		M	8
9	R	REC: CONF CNTR	180		12	12	1/2	20	1	A	20	1/2	12	12	1/2	1176	HOIST	M	10
11	R	REC: CONF CNTR	180		12	12	1/2	20	1	B	20	1/2	12	12		25		M	12
13	R	REC: CONF CNTR	180		12	12	1/2	20	1	A	20	1/2	12	12	1/2	588	FUEL TURBIN	M	14
15	R	REC: CONF CNTR	180		12	12	1/2	20	1	B						588		M	16
17	R	REC: CONF. AV	360		12	12	1/2	20	1	A	20	1/2	12	12	1/4	696	FUEL DISPENSER	M	18
19	R	REC: E. CONF	540		12	12	1/2	20	1	B	20	1/2	12	12		100	DISPENSER LIGHT	L	20
21	R	REC: W. CONF	540		12	12	1/2	20	1	A	20	1/2	12	12		800	PIER LIGHTS	L	22
23	R	REC: CONF FLOOR	720		12	12	1/2	20	1	B	20	1/2	12	12		540	CAMERAS	R	24
25		SPARE	0				1/2	20	1	A	20	1/2				0	SPARE		26
27		SPARE	0				1/2	20	1	B	20	1/2				0	SPARE		28
29		SPARE	0				1/2	20	1	A	20	1/2				0	SPARE		30
31		SPARE	0				1/2	20	1	B	20	1/2				0	SPARE		32
33		SPARE	0				1/2	20	1	A	20	1/2				0	SPARE		34
35	L	PUBLIC TOILET LTS	250		12	12	1/2	20	1	B	20	1/2				0	SPARE		36
37	L	HALLWAY LIGHTS	340		12	12	1/2	20	1	A									38
39	L	OFFICE LIGHTS	720		12	12	1/2	20	1	B									40
41	L	EXTERIOR LIGHTS	207		12	12	1/2	20	1	A									42

L2 — 12/13/2023 — FED FROM PANEL 'METER'
ALL CIRCUIT CONDUCTORS SIZED FOR COPPER — 23.13 Schedules

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 .

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DOUBLE 'E' ENGINEERING, LLC
Myrtle Point, Oregon
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REGISTERED PROFESSIONAL ENGINEER 65580 OREGON JULY 13, 2004 GREGORY L. PRIDE
EXPIRES 12-31-24

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

PERMIT

REVISIONS:
#	DATE	DESCRIPTION

DATE: FEBRUARY 2024

SHEET TITLE:
ELECTRICAL PLAN
POWER & SIGNAL

E3.0