

TERRY'S CORNER STAFF SUPPORT FACILITIES
REVISED PERMIT / ISSUE FOR CONSTRUCTION

ISLAND TRANSIT



VICINITY MAP

NOT TO SCALE



SITE MAP

NOT TO SCALE

PROJECT INFORMATION

BUILDING CODE INFORMATION:

(SEE SHEET A0.01 FOR A COMPLETE BUILDING CODE ANALYSIS)
APPLICABLE BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE WITH
WA STATE AMENDMENTS

JURISDICTION: ISLAND COUNTY PLANNING & COMMUNITY DEVELOPMENT

STAFF SUPPORT FACILITY:

OCCUPANCY CATEGORY: B

CONSTRUCTION TYPE: VB

DESCRIPTION OF WORK:

THE DESIGN OF A NEW, APPROXIMATELY 500 SF SINGLE-STORY STRUCTURE TO ACCOMMODATE AN EMPLOYEE-ONLY BREAK ROOM WITH TWO RESTROOMS AND A CUSTOMER SERVICE / INFORMATION KIOSK. ADDITIONALLY, THE PROJECT WILL INCLUDE PHOTOVOLTAIC SYSTEM PANELS ON THE ROOF TO OFFSET POWER USAGE AND WILL PROVIDE TRUCK PARKING FOR THE INSTALLATION OF ELECTRIC VEHICLE (EV) CHARGING STATIONS WITHIN THE PARK AND BOLE THE BUILDING WILL HAVE CONNECTIONS TO EXISTING UTILITIES AS WELL AS AN ON-SITE SEPTIC SYSTEM.

THE PROJECT SITE IS ON LAND OWNED BY WSDOT, FOR WHICH PROJECT TEAM WILL BE COORDINATING AN AIR-SPACE LEASE; ISLAND TRANSIT CURRENTLY OPERATES AND MAINTAINS THE PARK AND RIDE UNDER A MAINTENANCE AGREEMENT WITH WSDOT.

ZONING INFORMATION:

RAID: RURAL AREAS OF MORE INTENSIVE DEVELOPMENT

ZONING: CAMANO GATEWAY VILLAGE (CGV)

DESIGNATED USE: TRANSIT

ADDRESS:

TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

PARCEL NO:

R33220-085-1540

LEGAL DESCRIPTION:

LOT 1 AND THAT OF PORTION OF LOT 3 OF ISLAND COUNTY SHORT PLAT
NO. 79/232.4.20/32/3E

AS APPROVED JANUARY 17, 1980 AND RECORDED JANUARY 25, 1980,
UNDER AUDITORS NO. 364488, RECORDS OF ISLAND COUNTY,
WASHINGTON: LYNGZE WEST OF A LINE WHICH IS PARALLEL WITH AND 255
FEET EASTERLY OF, WHEN MEASURED AT RIGHT ANGLES TO, THE WEST
LINE OF SAID LOT 3; BEING A PORTION OF THE SOUTH HALF OF THE
SOUTHWEST QUARTER OF SECTION 20, TOWNSHIP 32 NORTH, RANGE 3
EAST OF THE WILLAMETTE MERIDIAN:

PROJECT TEAM

CLIENT:
ISLAND TRANSIT
19758 STATE ROUTE 20
COUPEVILLE, WA 98239
CONTACT: TODD MORROW
360.678.9500

PROJECT ENGINEER:
KPF CONSULTING ENGINEERS
1601 FIFTH AVE. SUITE 1600
SEATTLE, WA 98101
CONTACT: JEFF LEHMAN
206.622.5822

ARCHITECT:
SCHARRER AD
110 CHERRY ST
SEATTLE, WA 98104
CONTACT: CHRISTINE SCHARRER
206.316.9321

CIVIL ENGINEER:
KPDF CONSULTING ENGINEERS
1601 FIFTH AVE. SUITE 1600
SEATTLE, WA 98101
CONTACT: ZACH GRAY
206.622.5822

STRUCTURAL ENGINEER:
KPDF CONSULTING ENGINEERS
1601 FIFTH AVE. SUITE 1600
SEATTLE, WA 98101
CONTACT: MANNY GOLEZ
206.622.5822

ELECTRICAL ENGINEER:
TRES WEST ENGINEERS, INC.
2702 S. 42ND STREET, SUITE 301
TACOMA, WA 98406
CONTACT: SEAN ROY
253.472.3300

MECHANICAL ENGINEER:
TRES WEST ENGINEERS, INC.
2702 S. 42ND STREET, SUITE 301
TACOMA, WA 98406
CONTACT: DAVID MOORE
253.472.3300

NO.	DATE	REVISION
0	12/13/2024	ISSUE FOR CONSTRUCTION
1	06/03/2026	REVISED PERMIT / ISSUE FOR CONSTRUCTION

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

COVER SHEET & PROJECT INFORMATION

PROJECT NO.:	2200478
SCALE:	AS SHOWN
DATE:	12/13/24
SHEET NO.	

G0.00

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DRAWING INDEX

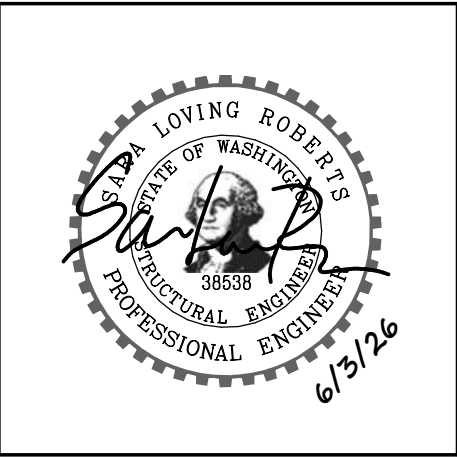
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CIVIL		
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4	CA.01	HORIZONTAL CONTROL PLAN
5	CX.01	SITE PREPARATION PLAN
6	CP.01	GRADING AND PAVING PLAN
7	CU.01	COMPOSITE UTILITY PLAN
8	CU.02	COMPOSITE UTILITY PLAN
9	CD.01	CIVIL DETAILS
ARCHITECTURAL		
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11	A0.01	CODE ANALYSIS & SITE PLAN
12	A0.02	ENERGY CODE ANALYSIS
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17	A2.02	BUILDING & WALL SECTIONS
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SHEET COUNT.	SHEET NUMBER	TITLE
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STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

DRAWING LIST

PROJECT NO.: 2200478

SCALE: AS SHOWN

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G0.01

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CIVIL ABBREVIATIONS

#	NUMBER
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ADA	AMERICANS WITH DISABILITIES ACT
AP	ANGLE POINT
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
BLVD	BOULEVARD
CB	CATCH BASIN
CL , C/L	CENTERLINE
CL	CLASS
CO	CLEANOUT/CURB OPENING
COMM	COMMUNICATION
CONC	CONCRETE
CP	CONTROL POINT
CPEP	CORRUGATED POLYETHYLENE PIPE
CSTC	CRUSHED SURFACING TOP COURSE
DR	DRIVE
DWG	DRAWING
E	EAST
EA	EACH
EL	ELEVATION
EX, EXIST	EXISTING
EV	ELECTRICAL VEHICLE
EVSE	ELECTRIC VEHICLE SUPPLY EQUIPMENT
FFE	FINISH FLOOR ELEVATION
FL	FLOW LINE, FLANGE
FT	FEET
H, HORIZ	HORIZONTAL
HMA	HOT MIX ASPHALT
IE	INVERT ELEVATION
LF	LINEAR FOOT/FEET
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
MJ	MECHANICAL JOINT
MON	MONUMENT
N	NORTH
NAD 83/11	NORTH AMERICAN DATUM OF 1983 W/ 2011 ADJUSTMENT
NAVD-88	NORTH AMERICAN VERTICAL DATUM OF 1988
NE	NORTHEAST
NTS	NOT TO SCALE
NW	NORTHWEST
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PP	POWER POLE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R, RAD	RADIUS
RJ	RESTRAINED JOINT
RT	RIGHT
R/W, ROW	RIGHT-OF-WAY
S	SOUTH
SE	SOUTHEAST
SF	SQUARE FEET/SILT FENCE
SHT	SHEET
STA	STATION
STD	STANDARD
SR	STATE ROUTE
SW	SOUTHWEST
TOC	TOP OF CURB ELEVATION
TYP	TYPICAL
V, VERT	VERTICAL
W	WATER/WEST
W/	WITH
WAC	WASHINGTON STATE ADMINISTRATIVE CODE
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

LEGEND

	RIGHT-OF-WAY
	BREAKLINE
	MAJOR CONTOUR
	MINOR CONTOUR
	SAWCUT
	REMOVE CURB OR CURB AND GUTTER
	CURB
	CURB AND GUTTER
	JOINT UTILITY TRENCH
	WATER LINE
	SANITARY SEWER LINE
	LIGHTING CONDUIT
	REMOVE LIGHTING CONDUIT
	ABANDON LIGHTING CONDUIT
	CLEANOUT
	PIPE CAP
	THRUST BLOCK
	WATER METER
	HANDHOLE
	SPLASH BLOCK
	HMA PAVEMENT
	CEMENT CONCRETE SIDEWALK
	SEEDED LAWN
	REMOVING CEMENT CONC. SIDEWALK
	REMOVING ASPHALT PAVEMENT
	CLEARING AND GRUBBING

EXISTING LEGEND

	CONTROL POINTS
	SEWER MANHOLE
	GAS VALVE
	GAS METER
	WATER METER
	WATER VALVE
	HYDRANT
	POWER TRANSFORMER
	POWER VAULT
	POWER METER
	GUY POLE
	UTILITY POLE
	TELEPHONE PEDESTAL
	TELEPHONE VAULT
	LIGHT JUNCTION BOX
	SIGNAL CONTROL
	ANCHOR
	LIGHT
	CATCH BASIN
	CLEANOUT
	ROCK
	CONCRETE ECO BLOCK
	DECIDUOUS TREE AS NOTED
	CONIFER TREE AS NOTED
	SIGN AS NOTED
	MAILBOX
	BOLLARD
	UNDERGROUND ELECTRICAL
	LANDSCAPE
	WATER LINE
	GAS LINE
	COMMUNICATIONS LINE
	BUILDING OVERHANG
	SEWER LINE
	EDGE OF PAVEMENT
	STORM LINE
	FENCE LINE
	OVERHEAD POWER
	CONCRETE
	BUILDING

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6/03/2026

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ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORTER FACILITIES
TERRY'S CORNER PARK AND RIDE
532718 WASHINGTON
CAMANO, WA

CIVIL ABBREVIATIONS AND LEGEND

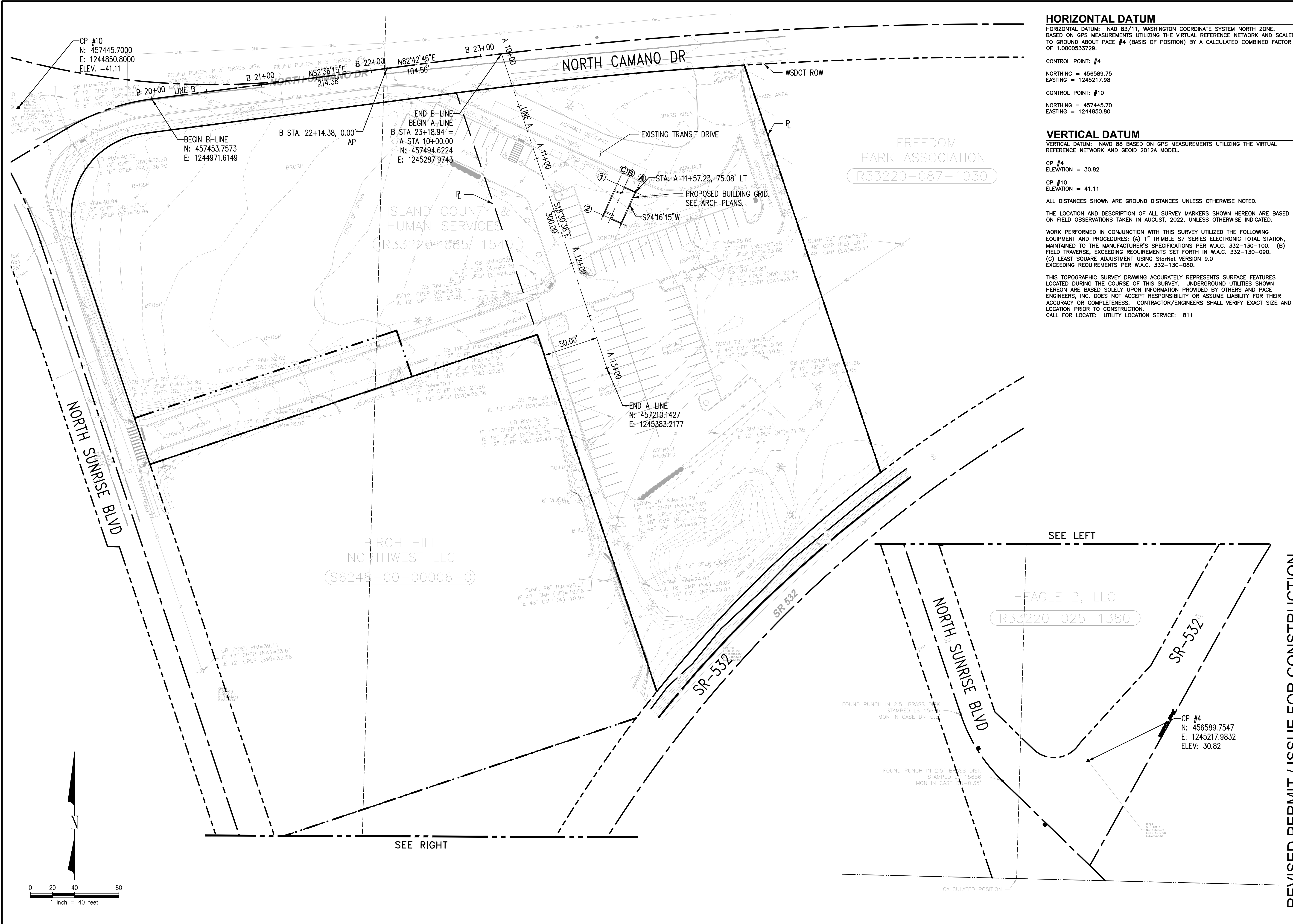
PROJECT NO.: RTA/OA
0206-19

SCALE: AS SHOWN

DATE: 12/13/2024

SHEET NO.

CG.01



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CAMANO, WA

HORIZONTAL AND VERTICAL CONTROL PLAN

PROJECT NO.: RTA/OA
0206-19

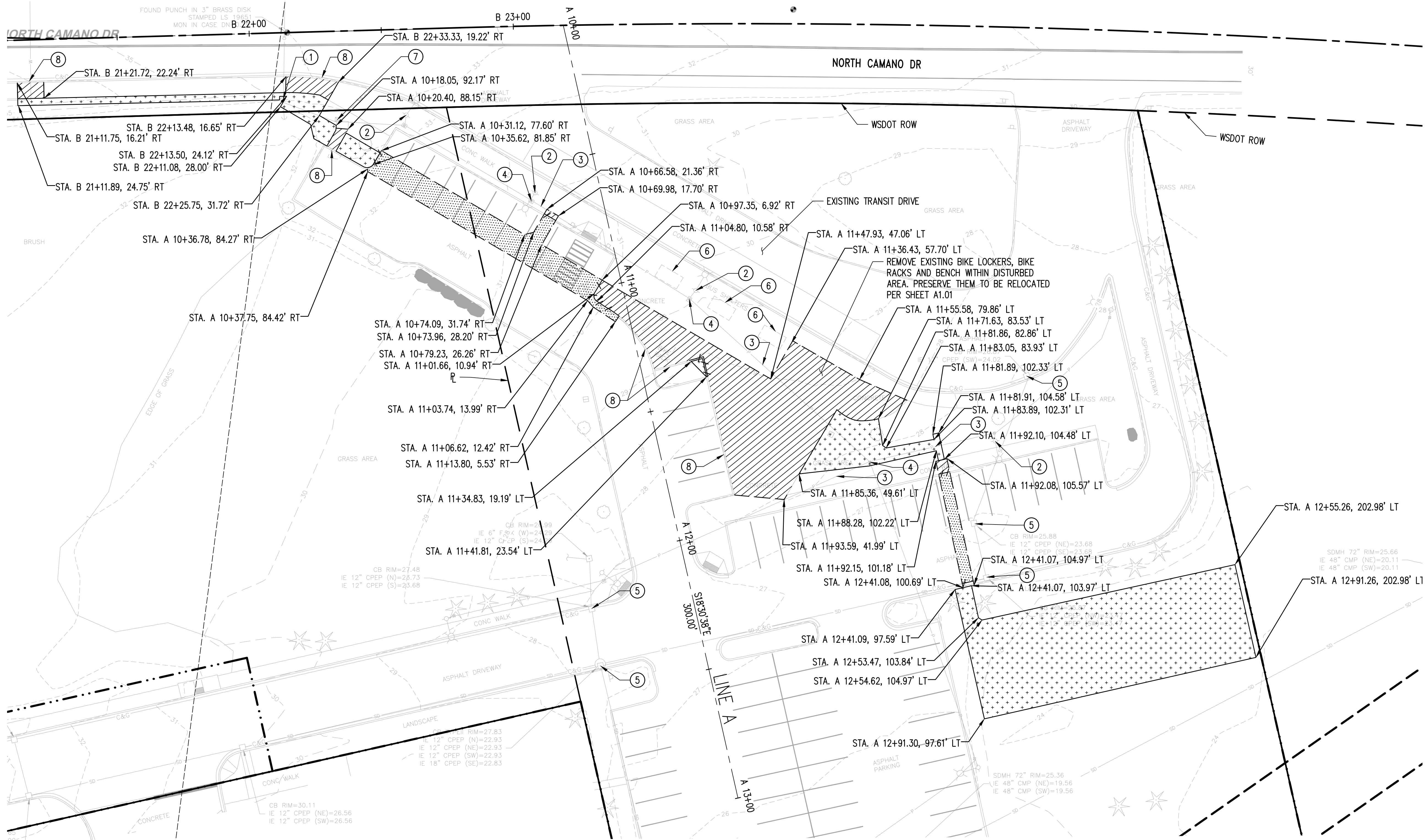
SCALE: AS SHOWN

DATE: 12/13/2024

SHEET NO.

CA.01

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LEGEND

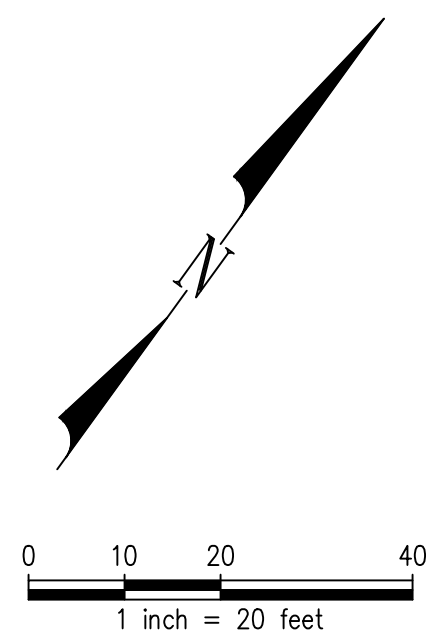
- RIGHT-OF-WAY
- - - SAWCUT
- +++++ REMOVE CURB OR CURB AND GUTTER
- REMOVING CEMENT CONC. SIDEWALK
- REMOVING ASPHALT PAVEMENT
- CLEARING AND GRUBBING

GENERAL NOTES

- TREE REMOVAL IS INCLUDED IN CLEARING AND GRUBBING EFFORT
- ALL UTILITY CASTINGS TO BE PROTECTED IN PLACE
- SELECT PRUNING IS ACCEPTABLE WITH PRIOR APPROVAL BY OWNER
- TREES NOT CALLED OUT FOR REMOVAL SHALL BE PROTECTED
- CONTRACTOR TO PROVIDE TEMPORARY STRIPING FOR 2 ADA STALLS IN PROXIMITY TO EXISTING STALLS THAT ARE ADA COMPLIANT. PROVIDE TEMPORARY ADA RAMPS FOR ACCESS TO PLAZA
- CONTRACTOR TO COORDINATE WITH ISLAND TRANSIT ON CONSTRUCTION SEQUENCING AND PHASING AS TO MAINTAIN BUS OPERATIONS
- CEMENT CONC. SIDEWALK TO BE SAWCUT ALONG NEAREST JOINT

CONSTRUCTION NOTES

- PROTECT EX. POWER POLE
- PROTECT EX. LIGHT POLE
- PROTECT EX. LIGHTING CONDUIT
- PROTECT EX. JUNCTION BOX
- INLET PROTECTION PER WSDOT STD. PLAN I-40.20
- PROTECT EX. BUS SHELTER
- PROTECT EX. METER BOX
- PROTECT EX. CURB AND GUTTER



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532718 WASHINGTON
CAMANO, WA

SITE PREPARATION PLAN

PROJECT NO.: RTA/0A
0206-19
SCALE: AS SHOWN
DATE: 12/13/2024
SHEET NO.

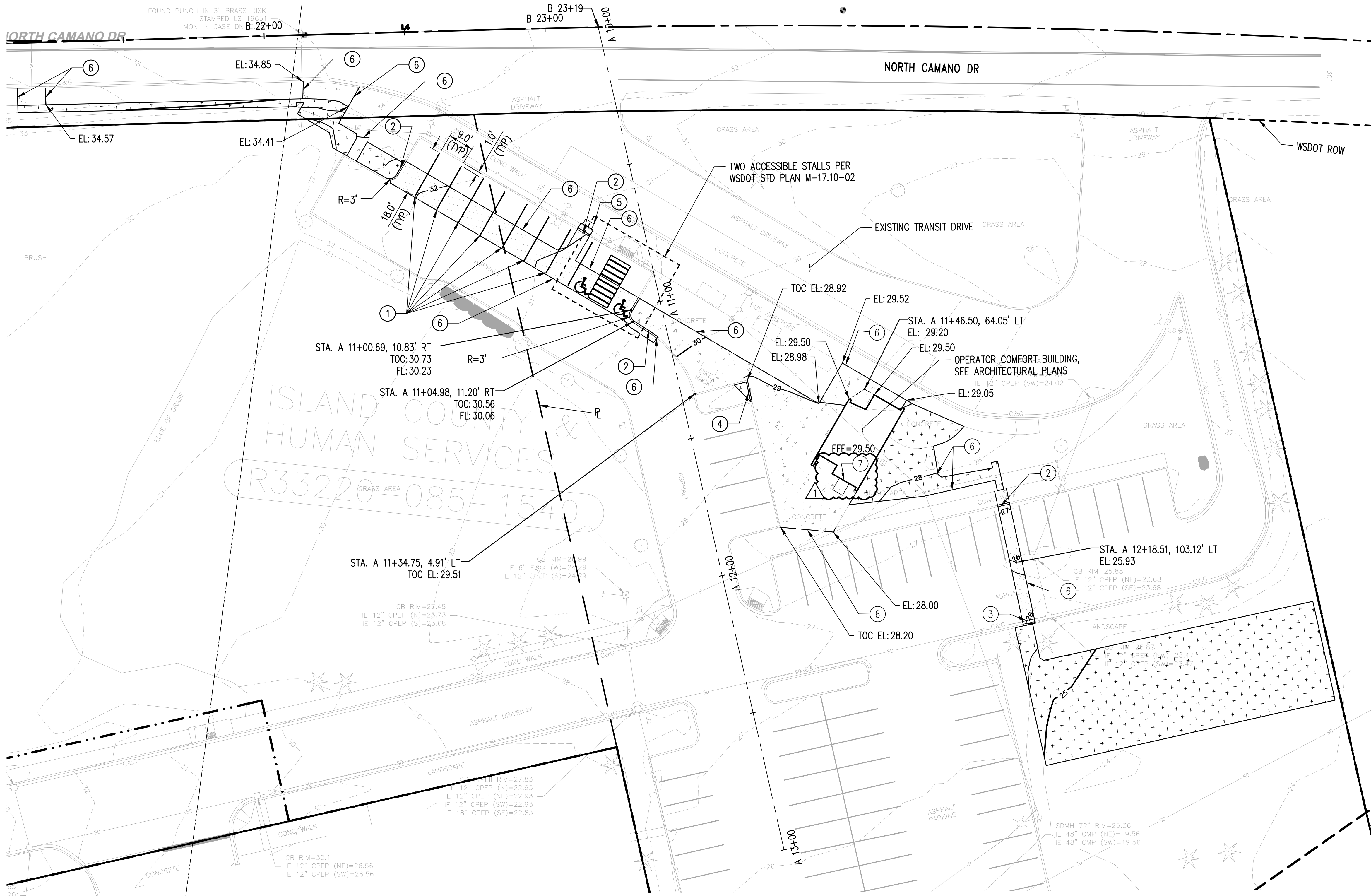
CX.01



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LEGEND

- RIGHT-OF-WAY
- BREAKLINE
- CURB
- CURB AND GUTTER
- HMA PAVEMENT, SEE DETAIL 7, SHEET CD.01
- CONSTRUCT 4" CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F30.10
- SEEDED LAWN INSTALLATION, SEE DETAIL 8, SHEET CD.01
- MAJOR CONTOUR
- MINOR CONTOUR

GENERAL NOTES

- SEE A1.01 FOR LOCATION OF BENCH AND BIKE LOCKERS

CONSTRUCTION NOTES

- 4" WHITE PAINT LINE
- CONSTRUCT CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04
- CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STD PLAN F-10.12-04
- CONSTRUCT CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12-04
- CONSTRUCT EVCS FOUNDATION, SEE DETAIL 2 ON SHEET CD.01
- MATCH EXISTING GRADE
- CONSTRUCT CEMENT CONCRETE LANDING, SEE DETAIL 9 ON SHEET CD.01



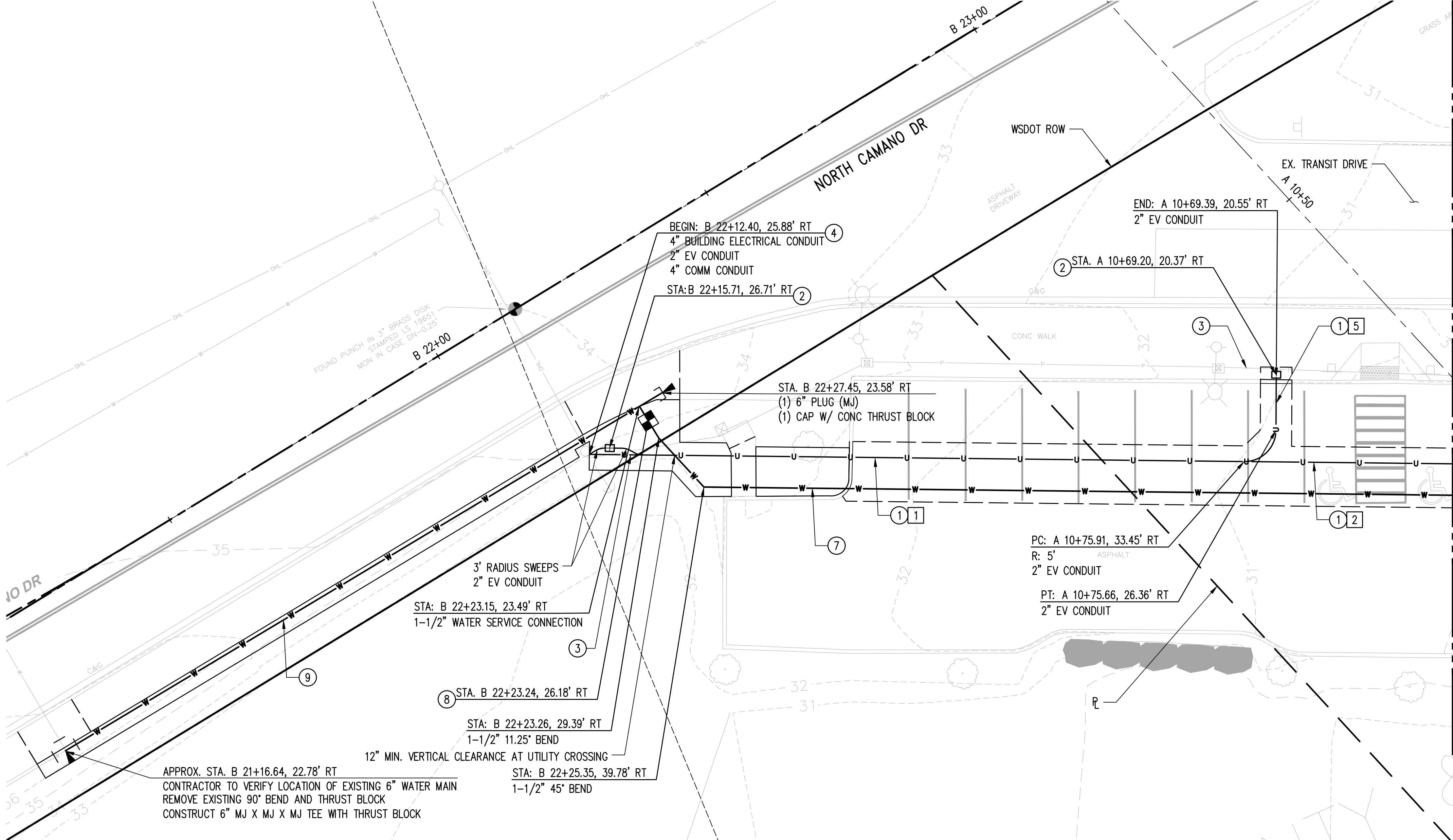
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ISLAND TRANSIT TERRY'S CORNER STAFF SUPPORTER FACILITIES TERRY'S CORNER PARK AND RIDE 532718 WASHINGTON CAMANO, WA	GRADING AND PAYING PLAN
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PROJECT NO.: RTA/OA 0206-19
SCALE: AS SHOWN
DATE: 12/13/2024
SHEET NO.

CP.01

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LEGEND

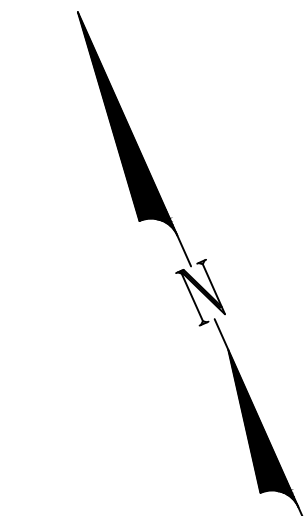
- | | |
|--|--|
| ● | CLEANOUT |
| □ | PIPE CAP |
| ▲ | THRUST BLOCK |
| ■ | WATER METER |
| □ | HANDHOLE |
| ■ | SPLASH BLOCK |
| —U—U— | JOINT UTILITY TRENCH |
| —W—W— | WATER LINE |
| —SS—SS— | SANITARY SEWER LINE |
| —L—L— | LIGHTING CONDUIT |
| /// | REMOVE LIGHTING CONDUIT |
| .. | ABANDON LIGHTING CONDUIT |
| <div style="border: 1px solid black; padding: 2px; display: inline-block;">X</div> | TRENCH LAYOUT DETAIL,
SEE SHEET CD.01 |

CONSTRUCTION NOTES

- 1) CONSTRUCT UNDERGROUND UTILITY TRENCH
- 2) CONSTRUCT 8X12X10 HANDHOLE. SEE ELECTRICAL SHEET E1.01 FOR DETAIL
- 3) PROTECT EX. LIGHTING CONDUIT
- 4) CONNECT CONDUIT TO EX. POWER SOURCE, COORDINATE WITH PSE
- 5) REMOVE EX. LIGHTING CONDUIT
- 6) CONSTRUCT TYPE 1 JUNCTION BOX PER WSDOT STD. PLAN J-41.10
- 7) CONSTRUCT 1-1/2" COPPER W SVC, 30" MIN. COVER
- 8) CONTRACTOR TO COORDINATE WITH CAMANO HILLS WATER TO INSTALL 1-1/2" WATER METER
- 9) CONSTRUCT 6" DUCTILE IRON WATER PIPE, 30" MIN. COVER

GENERAL NOTES

1. SEE CP.01 FOR PAVING LIMITS
2. CONSTRUCT WATER PIPES PER WSDOT STD. PLAN B-55.20
3. ALL WATER SERVICE PIPES, FITTINGS, AND APPURTENANCES TO BE COPPER
4. SEE OS SHEETS FOR SEPTIC SEWER DESIGN, LAYOUT AND DETAILS



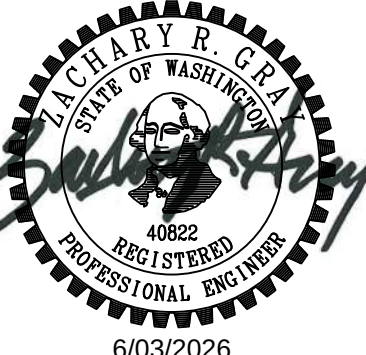
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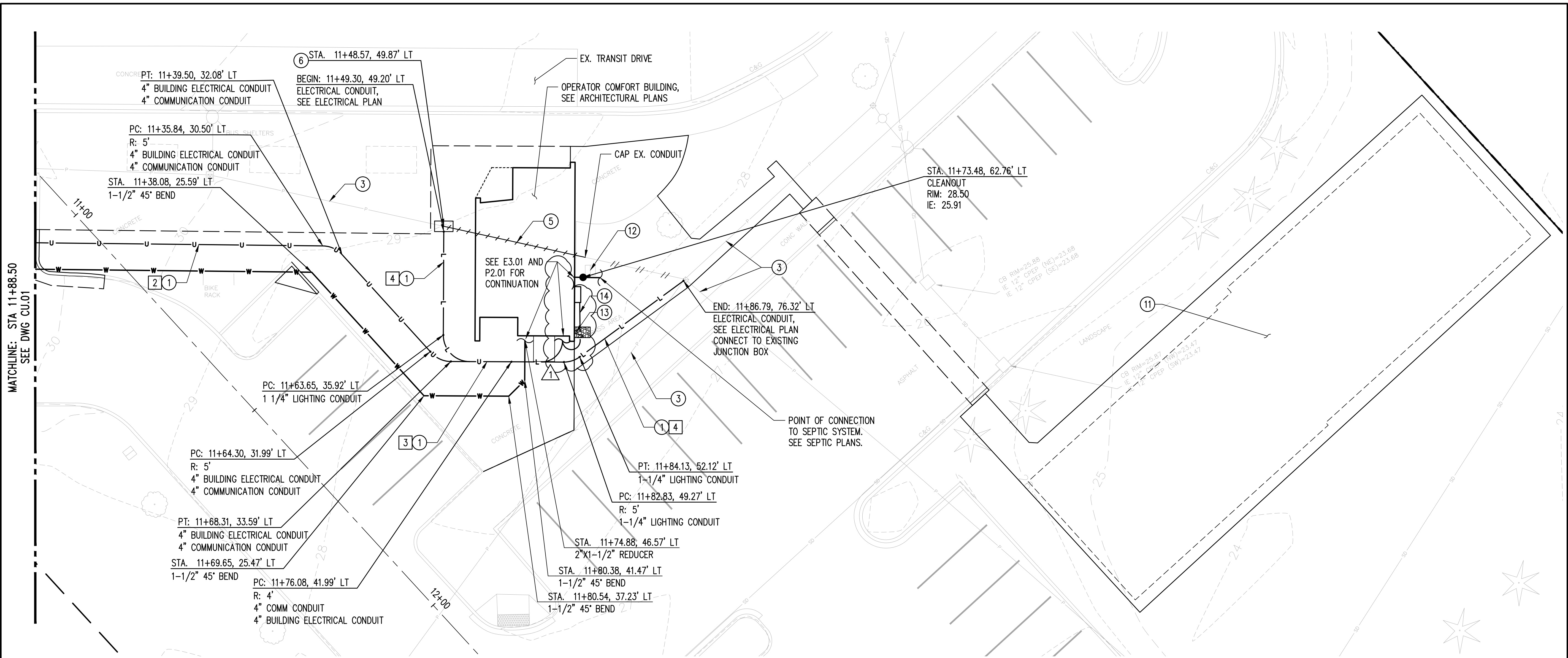
COMPOSITE UTILITY PLAN

PROJECT NO.:	RTA/OA 0206-19
SCALE:	AS SHOWN
DATE:	12/13/202
SHEET NO	

CU.01



Path: Z:\2200001-2209999\2200490 ITOC #01-21 W0#4 Terry's Corner Driver Facilities - Civil\CADD\Design\ITC-CU02.dwg Plot date: Jun 02, 2026-11:19:33am CAD User: katherineb.
Xref Filename: | V22520-SRV-EXP | V22520-BNDY-KPFF | V22520-TB | XTTC-CU | GRAY |



MATCHLINE: STA 11+88.50
SEE DWG CU.01

LEGEND

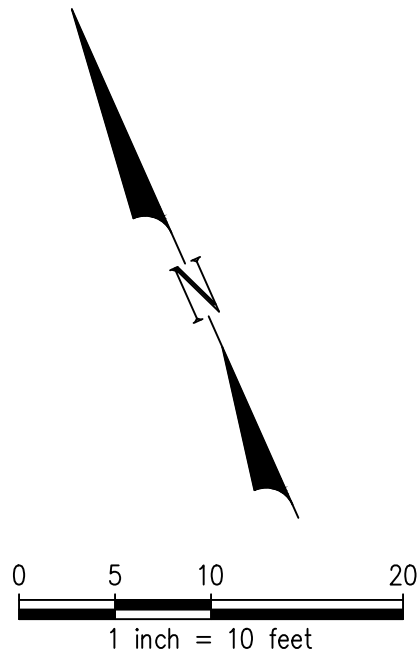
- CLEANOUT
- PIPE CAP
- THRUST BLOCK
- WATER METER
- HANDHOLE
- SPLASH BLOCK
- JOINT UTILITY TRENCH
- WATER LINE
- SANITARY SEWER LINE
- LIGHTING CONDUIT
- REMOVE LIGHTING CONDUIT
- ABANDON LIGHTING CONDUIT
- TRENCH LAYOUT DETAIL, SEE SHEET CD.01

GENERAL NOTES

- SEE CP.01 FOR PAVING LIMITS
- CONSTRUCT WATER PIPES PER WSDOT STD. PLAN B-55.20
- ALL WATER SERVICE PIPES, FITTINGS, AND APPURTENANCES TO BE COPPER
- SEE OS SHEETS FOR SEPTIC SEWER DESIGN, LAYOUT, AND DETAILS

CONSTRUCTION NOTES

- CONSTRUCT UNDERGROUND UTILITY TRENCH
- CONSTRUCT 8X12X10 HANDHOLE. SEE ELECTRICAL SHEET E1.01 FOR DETAIL
- PROTECT EX. LIGHTING CONDUIT
- CONNECT TO EX. POWER SOURCE
- REMOVE EX. LIGHTING CONDUIT
- CONSTRUCT 8X8X14 JUNCTION BOX, SEE ELECTRICAL SHEET E1.01 FOR DETAIL
- CONSTRUCT 1-1/2" COPPER W SVC, 30" MIN. COVER
- SEPTIC FIELD, SEE SEPTIC PLANS
- REMOVE EX. HOSE BIB AND CAP EXISTING WATER PIPE
- CONSTRUCT DOWNSPOUT SPLASH BLOCK, SEE SHEET CD.01, DETAIL 6. SEE ARCH PLANS FOR DOWNSPOUT LOCATION
- CONSTRUCT (3) 3/4" CONDUITS, SEE E3.01 FOR DETAILS



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CAMANO, WA

COMPOSITE UTILITY PLAN

PROJECT NO.:	RTA/0A 0206-19
SCALE:	AS SHOWN
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SHEET NO.	

CU.02

ABBREVIATIONS

ABV	ABOVE
ACT	ACOUSTIC CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AHR	ANCHOR
ALUM	ALUMINUM
ALT	ALTERNATE, ALTERNATING
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL (TECT)
BC	BOTTOM OF CURB
BD	BOARD
BETW	BETWEEN
BLDG	BUILDING
BLK	BLOCK(ING)
BLW	BELOW
BO	BOTTOM OF
BOT	BOTTOM
BYD	BEYOND
C	CHANNEL STEEL MEMBER
CAB	CABINET
CBB	CEMENT BACKER BOARD
CC	CENTER TO CENTER
CFLG	COUNTER FLASHING
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CHFR	CHAMFER
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLJ	CONTROL JOINT
CLR	CLEAR, COLOR(ED)
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER (TOP)
CO	CLEAN OUT, CONCRETE OPENING
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT(OR)
COORD	COORDINATE
COP	COPING
CSK	COUNTERSUNK (SINK)
CSWK	CASEWORK
CTG	COATING
CTR	CENTER
CTRL	CONTROL
CW	CURTAINWALL, COLD WATER, CLOCKWISE
D	DEPTH
DECO	DECORATIVE
DEG	DEGREE(S)
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DFLCT	DEFLECTION
DIA	DIAMETER
DIAG	DIAGONAL
DIF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DMP	DECORATIVE METAL PANEL
DMPF	DAMP-PROOFING
DN	DOWN
DO	DITTO
DPS	DOOR POSITION SWITCH
DR	DOOR
DS	DOWNSPOUT, DOUBLE STRENGTH
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC (AL)
EMER	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION, EXPANDED
EXT	EXTERIOR
EXTR	EXTRUDED (SION)

FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FD	FLOOR DRAIN, FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FIN	FINISH
FIO	FURNISHED & INSTALLED BY OWNER
FLASH	FLASHING
FLEX	FLEXIBLE
FLR	FLOOR(ING), FILLER
FM	FACTORY MUTUAL
FND	FOUNDATION
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACT
FOS	FACE OF STUDS
FR	FRAME (ING)
FRP	FIBER REINFORCED PANEL
FRT	FIRE RETARDANT TREATED (INTERIOR), FREIGHT
FRX	FIRE RETARDANT TREATED (EXTERIOR)
FS	FIRE SPRINKLER
FT	FOOT OR FEET
FTG	FOOTING
FURG	FURRING
FURN	FURNITURE, FURNISH
FXT	FIRE RETARDANT TREATED (EXTERIOR)
FXTR	FIXTURE
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GDR	GUARDRAIL (ING)
GL	GLASS
GLZ	GLAZING (ED)
GND	GROUND
GP	GRAFFITI PROTECTION
GR	GRADE (ING), GROUND
GRL	GRILLE
GRTG	GRATING
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
GYP SHTG	GYPSUM SHEATHING
H	HIGH
HB	HOSE BIB
HC	DISABLED, HOLLOW CORE
HD	HEAD, HEAVY DUTY
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HGR	HANGER
HLB	HORIZONTAL LOUVER BLIND
HM	HOLLOW METAL
HO	HOLD-OPEN
HORIZ	HORIZONTAL
HPC	HIGH PERFORMANCE COATING
HPDL	HIGH-PRESSURE DECORATIVE LAMINATE
HPT	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING/VENTILATION/AIR CONDITIONING
IBC	INTERNATIONAL BUILDING CODE
IGU	INSULATED GLASS UNIT
IN	INCH(ES)
INCL	INCLUDE(D) (ING), INCLUSIVE, INCLINED
INSUL	INSULATION
INT	INTERIOR
ISOL	ISOLATION
JBOX	JUNCTION BOX
JT	JOINT
K	1000 POUNDS (KIP)
KB	KEY BOX
KD	KNOCK DOWN
KPL	KICKPLATE
L	ANGLE STEEL MEMBER
LAM	LAMINATE (TION)
LAV	LAVATORY
LB	POUND(S)
LF	LINEAR FEET
LG	LONG/LENGTH
LH	LEFT HAND
LINO	LINOLEUM
LPT	LOW POINT
LT	LIGHT
LTG	LIGHTING
LVR	LOUVER

MAG	MAGNET(IC)
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MC	MISC. CHANNEL STEEL MEMBER
MD	METAL DECK
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MED	MEDIUM, MEDICINE, MEDICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MIN	MINIMUM, MINUTE (S)
MIR	MIRROR
MISC	MISCELLANEOUS
MOD	MODIFY, MODIFIED
MP	METAL PANEL
MRP	METAL ROOF PANEL
MTD	MOUNTED
MTL	METAL
MTLR	METAL ROOF
MULL	MULLION
N	NORTH
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO or #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER, OUTSIDE DIMENSION
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OTS	OPEN TO STRUCTURE
OVHD	OVERHEAD
O/	OVER
PB	PUSH BUTTON
PERF	PERFORATE(D)
PFN	PREFINISHED
PL	PLATE
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
PTD	PAINTED
PP	PER PERSON
PRCST	PRECAST
PREFAB	PREFABRICATED
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT, POST TENSIONED,
PT	PRESERVATIVE TREATED
PVC	POLYVINYL CHLORIDE
PVDF	FLUOROPOLYMER COATING
QTY	QUANTITY
R	RADIUS, RISER
RA	RETURN AIR, ROOF ANCHOR
RF	RESILIENT FLOORING
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN, ROAD
RE	REFER TO
REC	RECESSED, RECOMMENDATION
REF	REFERENCE
REINF	REINFORCE(D) (ING) (MENT)
REQD	REQUIRED
RESIL	RESILIENT
REV	REVISED, REVISION
RF	RESILIENT SHEET FLOORING
RH	RIGHT HAND, ROOF HATCH
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT-OF-WAY
RV	ROOF VENT
S	SOUTH
SASU-1	SELF ADHERING SHEET UNDERLAYMENT
SBC	SEATTLE BUILDING CODE
SBR	SEALANT AND BACKER ROD
SCHED	SCHEDULE
SD	SOAP DISPENSER
SEC	SECURITY
SF	SQUARE FOOT (FEET)
SF- #	STOREFRONT WINDOW SYSTEM
SH	SHELF
SHD	SHADE
SHT	SHEET
SHTHG	SHEATHING
SHV	SHELVES (ING)
SIM	SIMILAR, SIMULATED
SKLT	SKYLIGHT
SL	SLOPE

SLNT	SEALANT
SM	SHEET METAL
SOG	SLAB-ON-GRADE
SPEC	SPECIFICATION
SQ	SQUARE, SERVICE QUALITY
SSM	SOLID SURFACE MATERIAL
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE (AL)
SUSP	SUSPENDED
TA	TOILET ACCESSORY
TB	TOP OF BEAM, TILE BASE
TBD	TO BE DETERMINED
TC	TOP OF CURB
TF	TOP OF FOOTING, TILE FLOOR
TGL	TEMPERED GLASS
THK	THICK (NESS)
THRESTHRESHOLD	
THRU	THROUGH
TJ	TOP OF JOIST, TOOL JOINT
TMPD	TEMPERED
TO	TOP OF
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TPH	TOILET PAPER HOLDER
TS	TUBULAR STEEL MEMBER
TSL	TOP OF SLAB
TW	TOP OF WALL
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORY
UNO	UNLESS NOTED OTHERWISE
U/S	UNDERSIDE
VB	VAPOR BARRIER
VENT	VENTILATION
VERT	VERTICAL
VR	VAPOR RETARDER
VT	VISIBLE TRANSMITTANCE
VTR	VENT THRU ROOF
W	WEST, WIDE, WIDE FLANGE
W/	WITH
W/O	WITHOUT
WAB	WATER AIR BARRIER
WBL	WOOD BLOCKING
WC	WATER CLOSET
WCP	WOOD CEILING PANEL (ING)
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WGR	WATER AND GRAFFITI REPELLENTS
WH	WALL HUNG, WALL HYDRANT
WP	WORKING POINT, WATERPROOF (ING)
WPM	WATERPROOF MEMBRANE
WR	WATER RESISTANT
WRT	WATER REPELLANT TREATMENT
WS	WEATHER STRIPPING
WSCT	WAINSCOT
WSEC	WASHINGTON STATE ENERGY CODE
WT	WINDOW TREATMENT

GENERAL NOTES

1. WORK SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL CONSTRUCTION, SAFETY, ACCESSIBILITY AND SANITARY LAWS, CODES, STATUTES AND ORDINANCES. ALL DISCREPANCIES, VARIATIONS, OR OMISSIONS IN THE CONTRACT DOCUMENTS SHALL BE REPORTED PROMPTLY TO SCHARRER AD ARCHITECTS INC.
2. THE GENERAL CONTRACTOR SHALL ARRANGE FOR INSPECTIONS NECESSARY TO OBTAIN A CERTIFICATE OF OCCUPANCY.
3. ALL CODE REQUIRED EXITS, EXIT LIGHTS, EMERGENCY LIGHTING, ALARMS, SPRINKLERS SHALL BE MAINTAINED IN OPERABLE CONDITION THROUGHOUT THE CONTRACT PERIOD.
4. THE GENERAL CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS, DIMENSIONS, AND DETAILS PRIOR TO CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ALL DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH THE SATISFACTORY COMPLETION OF THE WORK, PRIOR TO THE START OF ALL WORK.
5. DIMENSIONS ARE GIVEN AS GUIDES TO ESTABLISH THE LAYOUT WHICH IS BASED ON THE GIVEN CONFIGURATION AND FEATURES OF THE EXISTING STRUCTURE. THE GENERAL CONTRACTOR MUST ASSURE PROPER FIT OF THE NEW WORK WITH PROPER RELATIONSHIP TO EXISTING FEATURES. WHEN ESTABLISHING LAYOUT, THE CONTRACTOR SHALL CONTACT THE ARCHITECT WITH DISCREPANCIES BEFORE COMMENCING WITH CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS BEFORE ORDERING EQUIPMENT AND MILLWORK.
6. DO NOT SCALE DRAWINGS. DIMENSIONS SHALL GOVERN. DETAILS SHALL GOVERN OVER PLANS AND ELEVATIONS.
7. SUBSTITUTIONS OF SPECIFIED ITEMS SHALL BE REVIEWED. ANY REQUESTS FOR SUBSTITUTIONS SHALL BE CONSIDERED BY THE ARCHITECT ONLY IF SHOWN TO BE ADVANTAGEOUS TO THE PROJECT. REQUESTS SUBMITTED WITHOUT SUPPORTIVE INFORMATION FOR REVIEW SHALL BE REJECTED.
8. THE GENERAL CONTRACTOR SHALL COORDINATE THE SCHEDULING OF SHOP DRAWINGS, LEAD TIMES AND ORDER DATES. PROGRESS SHALL BE UPDATED BI-WEEKLY OR AS REQUESTED BY OWNER AT CONSTRUCTION MEETINGS, AND DOCUMENTED IN MEETING MINUTES, TO BE PREPARED AND ISSUED BY THE CONTRACTOR.
9. PROTECT THE BUILDING PREMISES AND OCCUPANTS ON PROJECT SITE FROM DAMAGE WITH TEMPORARY PROTECTIVE COVERS AND BARRIERS, DUST PROOFING, AND ANY ICRA REQUIRED PROTECTION. REPAIR ANY DAMAGE IN KIND AT NO ADDITIONAL COST TO THE PARTY AFFECTED.
10. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES FOR THE COORDINATION OF WORK AND FOR THE WORK PERFORMED BY HIS SUBCONTRACTORS.
11. AT PROJECT COMPLETION AND PRIOR TO APPROVAL OF FINAL APPLICATION FOR PAYMENT, THE GENERAL CONTRACTOR WILL DELIVER TO THE OWNER ALL REQUIRED RECORD MAINTENANCE MANUALS, RECORD SAMPLE SUBMISSIONS, ETC.
12. THE COST OR CREDIT FOR EACH ALTERNATE IS THE NET ADDITION TO OR DEDUCTION FROM THE CONTRACT SUM TO INCORPORATE THE ALTERNATIVE INTO THE WORK. INCLUDE LABOR AND TAX AS A LINE ITEM FOR EACH ALTERNATE TOTAL COST. NO OTHER ADJUSTMENTS ARE MADE TO THE CONTRACT SUM.
13. EXISTING STAIRS AND CORRIDORS TO REMAIN FUNCTIONAL FOR RESIDENTS THROUGHOUT DEMOLITION AND CONSTRUCTION WORK. MAINTAIN FREE, CLEAR ACCESS TO STAIR ENTRIES AND EXITS AND BUILDING EXIT POINTS AT ALL TIMES.

SYMBOLS

	CENTER LINE	
FIBER BATT INSUL, ACOUSTIC INSUL	LIMITS OF WORK LINE	
RIGID FOAM INSUL, MINERAL BATT INSUL	MATCH LINE	
EARTH	PROPERTY LINE	
CONCRETE/ GROUT	ROOM NAME	ROOM
	ROOM NUMBER	101
WALL TYPE SYMBOL	SEE A3.02 FOR WALL TYPE	
BRICK	FLOOR DRAIN	FD
CONCRETE MASONRY UNITS	WALL MOUNTED HOSE-BIB	HB
	SLOPE	
STEEL	CONTROL POINT	
WINDOW TYPE (REF SCHEDULE A3.02)	WORK POINT/ LOCATION OF REMOTE POINT	
LOUVER TYPE (REF SCHEDULE A3.02)	DIMENSION POINT	
	GRID SYMBOL	
DOOR NUMBER (REF SCHEDULE A3.02)	LEVEL HEAD	

NO.	DATE	REVISION	ISSUED FOR CONSTRUCTION	REVISED PERMIT/ISSUED FOR CONSTRUCTION
0	12/13/2024			
1	6/2/2026			

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

PROJECT INFO

PROJECT NO.:	-
SCALE:	AS SHOWN
DATE:	12/13/2024
SHEET NO.	



SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"



SCALE: 1" = 40'-0"

CODE SUMMARY

BUILDING DESCRIPTION

ONE - STORY BUS LAYOVER FACILITY FOR ISLAND TRANSIT STAFF.

ZONING CODE

ISLAND COUNTY CODE, TITLE XVII
ZONING DESIGNATION (17.03.135): CAMANO GATEWAY
VILLAGE (CGV)

ALLOWABLE USES: NON-RESIDENTIAL SERVICES THAT SUPPORT LOCAL COMMERCE.

SETBACKS AND HEIGHT:
FRONT YARD: MIN 10', MAX 50'
REAR & SIDE YARD: MIN 10'
HEIGHT: 2 STORIES, 35 FT

OCCUPANCY CLASSIFICATION

B BUSINESS

CONSTRUCTION TYPE:

VB

BASIC ALLOWABLE HEIGHT AND AREA - (NOT EQUIPPED WITH AUTOSPRINKLER)

HEIGHT:	40 FT (TABLE 504.3)
STORIES:	2 STORIES (TABLE 504.4)
AREA PER FLOOR:	9,000 SF (TABLE 506.2)

B OCCUPANCY WITH SINGLE EXIT: (1006.3.2. 1.)

BUILDING MEETS WSBC EGRESS REQUIREMENTS FOR A SINGLE EXIT. OCCUPANT LOAD LESS THAN 49.

MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE:

PER TABLE 1006.2.1 100 FT

PROPOSED BUILDING INFORMATION:

BUILDING HEIGHT: 15 FT
STORIES: 1 STORY
BUILDING AREA: 636 SF, (INCLUDING HORIZONTAL PROJECTIONS)

APPLICABLE CODES

- ISLAND COUNTY MUNICIPAL CODE
- 2018 WA STATE BUILDING CODE
- 2018 WA STATE ENERGY CODE - COMMERCIAL
- 2017 WA STATE ELECTRIC CODE
- 2018 WA STATE MECHANICAL CODE
- 2018 WASHINGTON STATE AMMENDMENTS, UNIFORM PLUMBING
- 2018 WA STATE FIRE CODE
- LIFE SAFETY CODE - NFPA 101
- 2017 ACCESSIBILITY CODE - ANSI 117.1

OCCUPANCY LOAD CALCULATIONS

TABLE 1004.1.2

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	BUILDING GROSS FLOOR AREA	CALCULATED OCCUPANT LOAD
BUSINESS (NON-SPRINKLERED)	100 SF/PP GROSS	422 SF	4 OCCUPANTS
ANCILLARY (NON-SPRINKLERED)	100 SF/PP GROSS	102 SF	1 OCCUPANTS

EGRESS COMPONENT	SIZE	EGRESS FACTOR	EGRESS CAPACITY
DOOR 101	36" (NOM) 34" CLEAR	.2	49 OCCUPANTS
DOOR 105	36" (NOM) 34" CLEAR	.2	49 OCCUPANTS

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ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

CODE ANALYSIS & SITE PLAN

PROJECT NO.:	-
SCALE:	AS SHOWN
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SHEET NO.	

A0.01

THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE
2018 WA ST COMMERCIAL ENERGY CODE CHAPTER 4, C401.2 1.
PRESCRIPTIVE PATH.

OPTION 2*: REDUCED LIGHTING POWER, OPTION 1 IN ACCORDENCE WITH SECTION C406.3.1
POINTS ACHIEVABLE: 2

OPTION 4*: ENHANCED LIGHTING CONTROLS IN ACCORDANCE WITH SECTION C406.4
POINTS ACHIEVABLE: 1

OPTION 10: ENHANCED ENVELOPE PERFORMANCE IN
ACCORDANCE WITH SECTION C406.10 C
POINTS ACHIEVABLE: 3

EXTERIOR WALLS: WOOD FRAMED - REQD U=0.054
PROVIDED: U=0.034

ROOF: INSULATION ABOVE DECK - REQD U=0.027
PROVIDED: U=0.023
 INSULATION BELOW DECK - REQD U=0.027
PROVIDED: U=0.026

FLOORS: SLAB-ON-GRADE - REQD $F=0.54$
PROVIDED: $F=0.54$

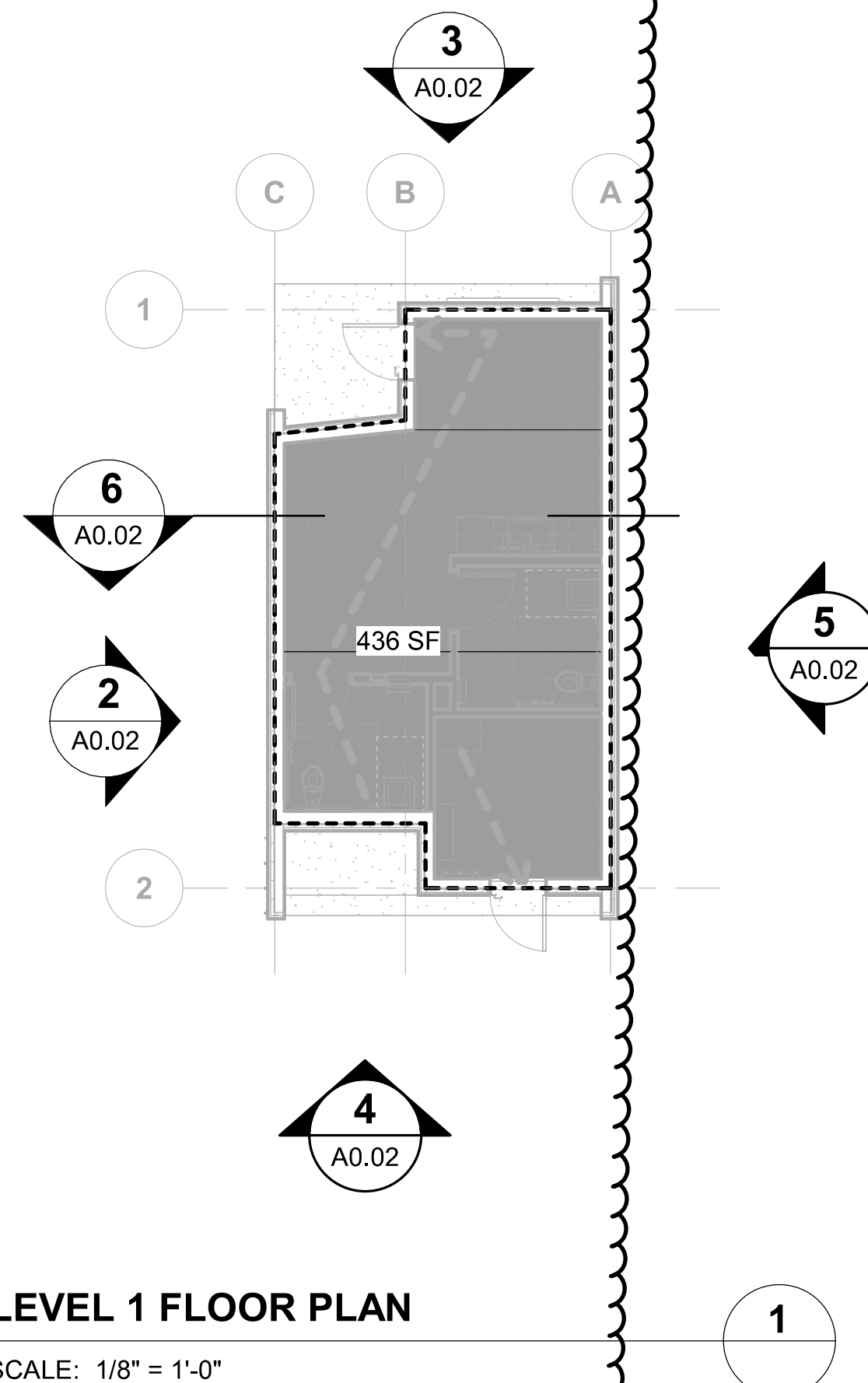
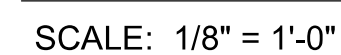
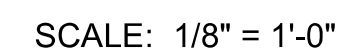
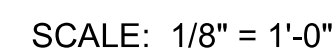
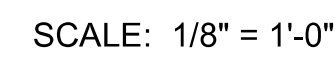
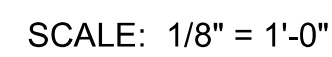
FENESTRATION: (MEETS C402.4, EXCEPTION 1.4)
METAL FRAMING, FIXED - REQD U=0.38
PROVIDED: U=0.35, SHGC=0.32

EXTERIOR DOORS: SWINGING - REQD $U=0.37$
PROVIDED: $U=0.37$

*REFER TO ELECTRICAL LIGHT FIXTURE SCHEDULE FOR
ADDITIONAL INFORMATION

TARGET TOTAL UA = 138
PROPOSED TOTAL UA = 117

1. IDENTIFICATION MARK SHALL BE APPLIED TO ALL INSULATION MATERIALS AND INSULATION INSTALLED SUCH THAT THE MARK IS READILY OBSERVABLE DURING INSPECTION
2. NO BUILDING ENTRANCE VESTIBULE - C402.5.7, BUILDING HEIGHT AND AREA EXCEPTION 8.
3. PROJECT CLOSEOUT DOCUMENTS - IN ACCORDANCE WITH C103.6.3 SHALL INCLUDE, BUT NOT LIMITED TO, BUILDING ENVELOPE COMPLIANCE DOCUMENTATION AND CALCULATIONS AND FENESTRATION NFRC RATING CERTIFICATES.
4. LIGHTING CONTROLS WILL COMPLY WITH SECTION C405.2 AND C406.3.2.
5. EXTERIOR LIGHTING POWER REQUIREMENTS WILL COMPLY WITH C405.5. INTERIOR LIGHTING POWER REQUIREMENTS WILL COMPLY WITH C405.4.



7566

REGISTERED
ARCHITECT

Christine Scharrer

Christine Scharrer

STATE OF WASHINGTON

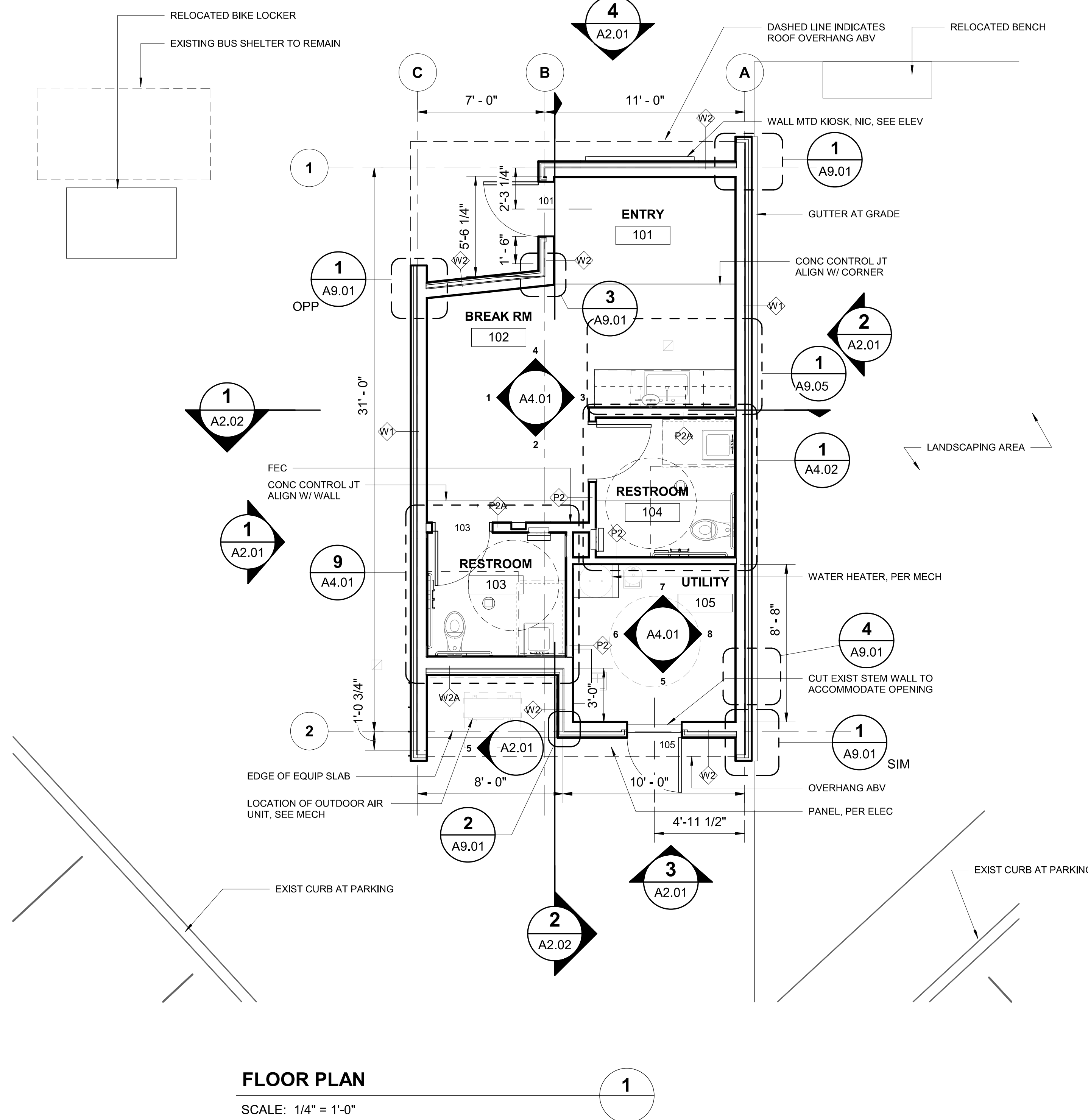
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ISLAND TRANSIT TERRY'S CORNER
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532 718 WASHINGTON
CAMANO, WA 98282

ENERGY CODE ANALYSIS

PROJECT NO.:	-
SCALE:	AS SHOWN
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SHEET NO.	

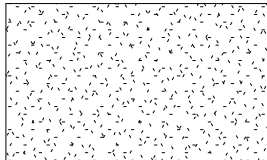
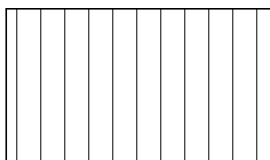
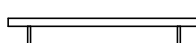
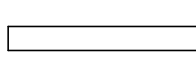
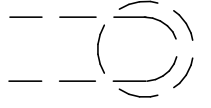
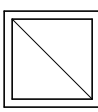
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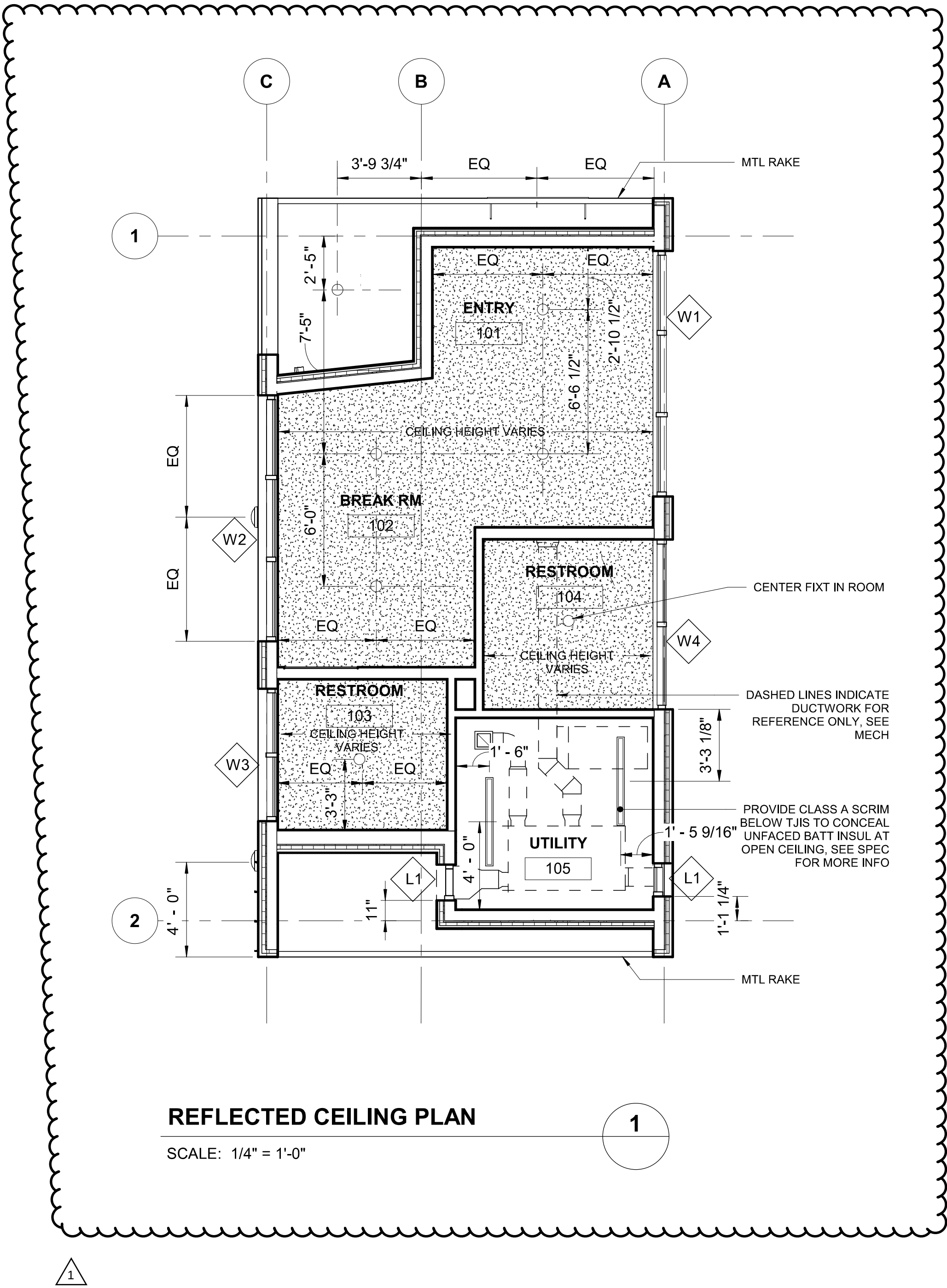


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NOTE: DIMS SHOWN TO CENTER OF LIGHT FIXT, UNO

CEILING LEGEND

	OPEN TO STRUCTURE, WITH SCRIM		GWB, PTG
	WOOD T&G SOFFIT		
	4' LINEAR LIGHT FIXTURE, WALL MTD, PER ELEC		RECESSED CAN LIGHT FIXT, PER ELEC
	4' LINEAR LIGHT FIXTURE, SUSPENDED, PER ELEC		DUCTWORK, PER MECH
	GRILLE, PER MECH		WINDOW OR LOUVER TAG



REVISED PERMIT/ISSUED FOR CONSTRUCTION



1601 5th Avenue,
Suite 1600
Seattle, WA 98101
206.622.5822
www.kpff.com

kpff

SCHARRERAD

7566

REGISTERED
ARCHITECT



Christine Scharrer
STATE OF WASHINGTON

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ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

REFLECTED CEILING PLAN

PROJECT NO.: -

SCALE: AS SHOWN

DATE: 12/13/2024

SHEET NO.

A1.02



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

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

DASHED LINE INDICATES BUILDING OUTLINE BLW

PREFIN STANDING SEAM METAL ROOFING

SOLAR PANELS, TYP
SEE ELEC

SOLAR PA
SEE ELEC

DASHED LINE INDICATES BUILDING OUTLINE BLW

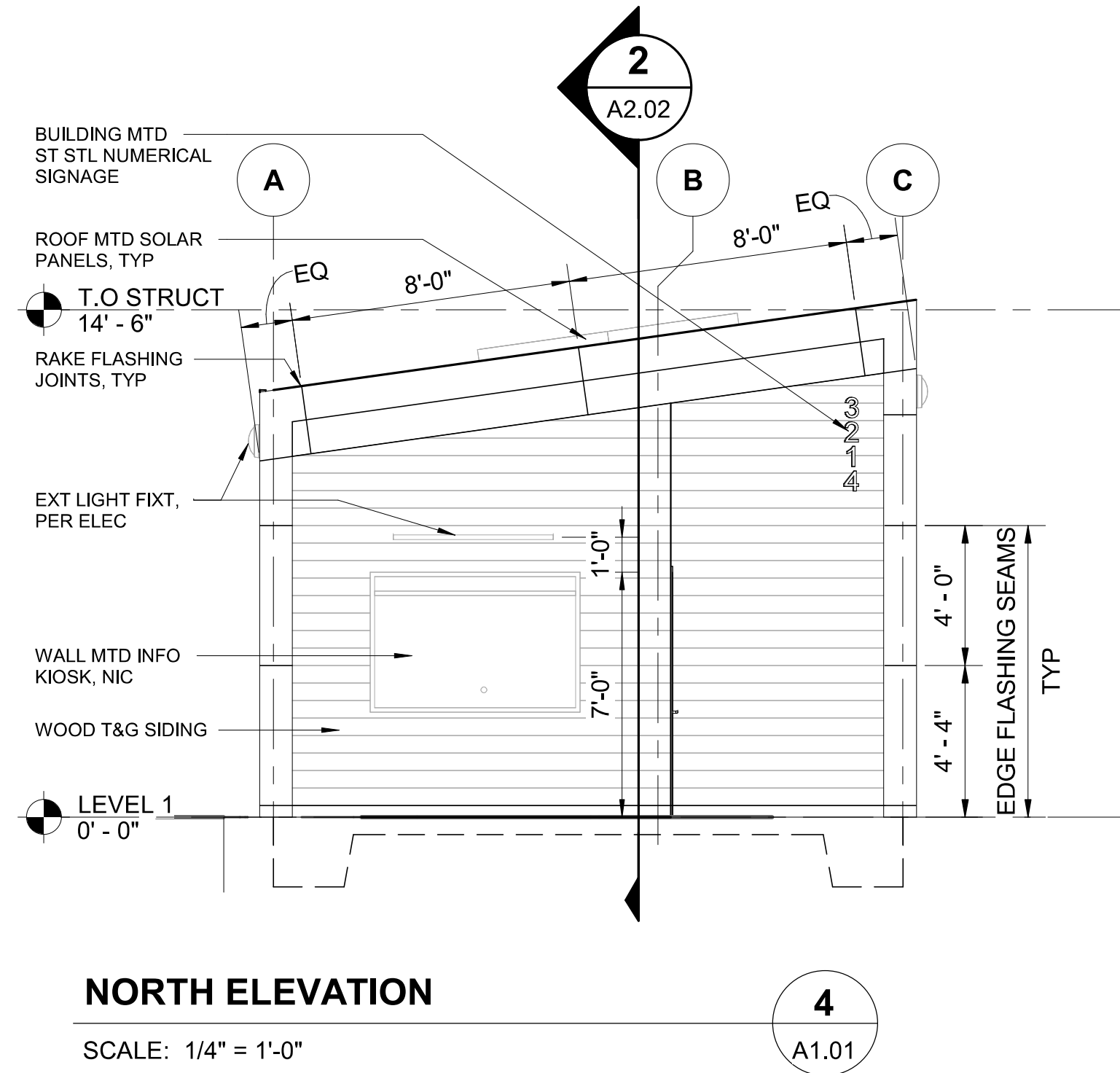
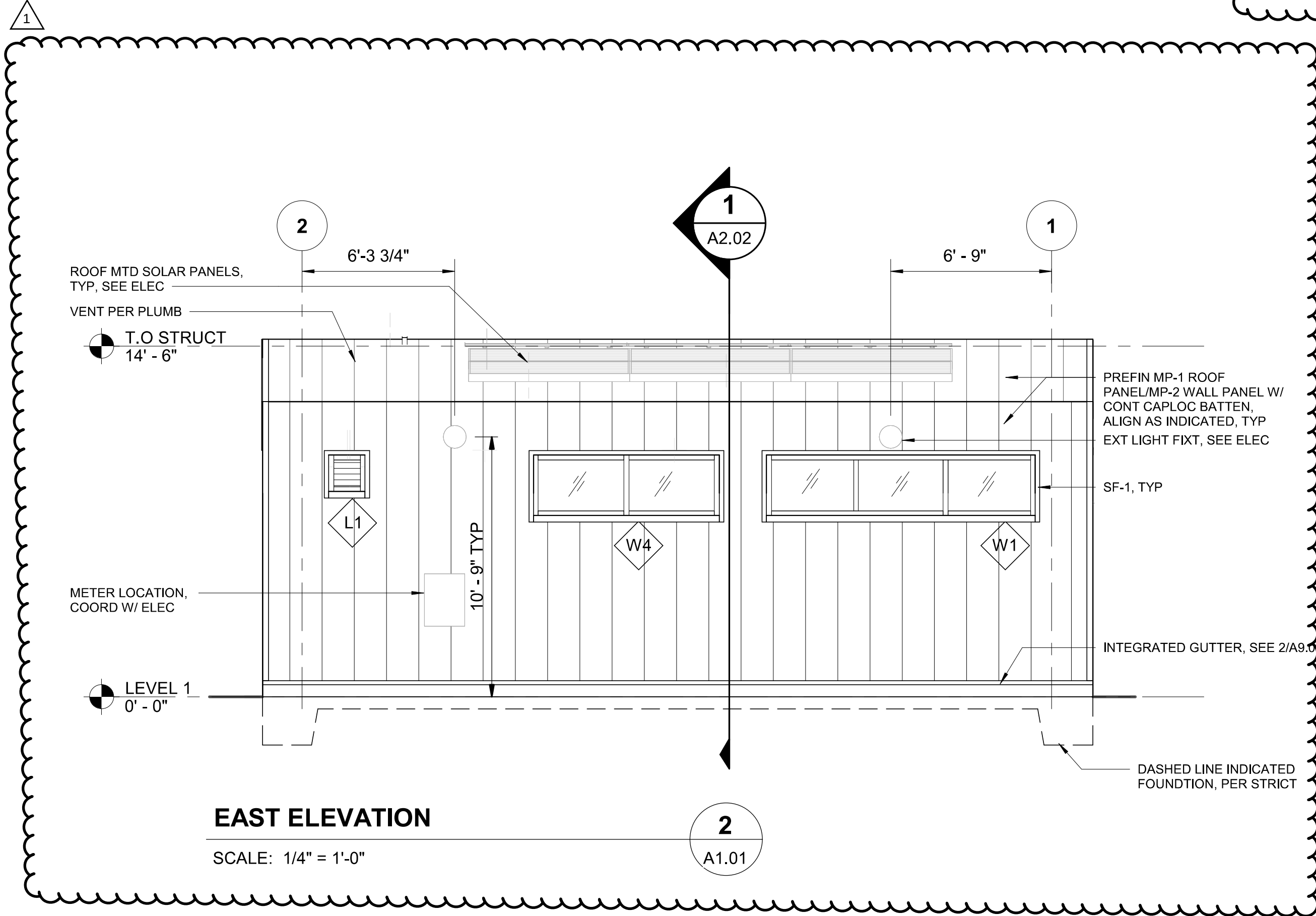
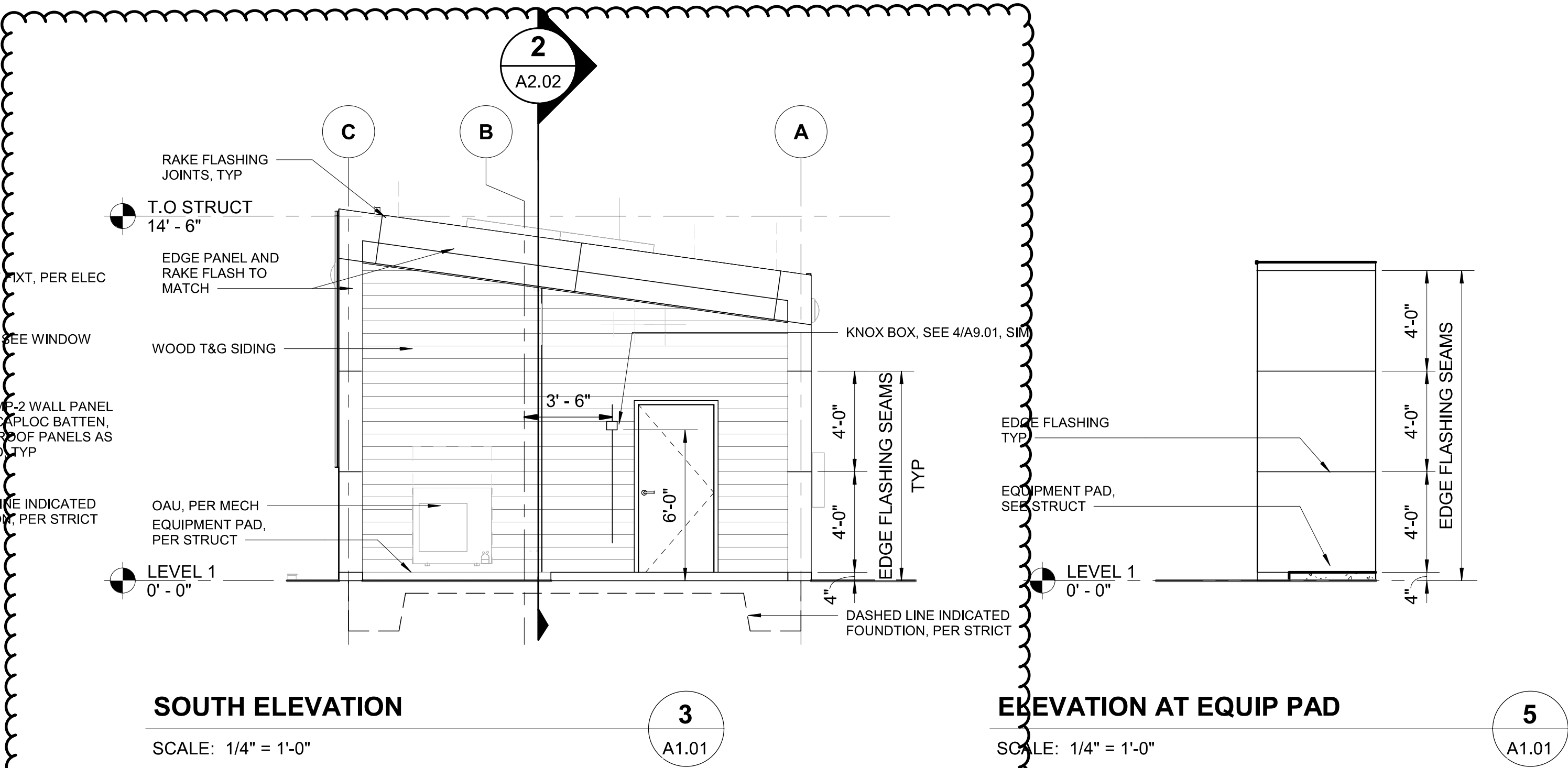
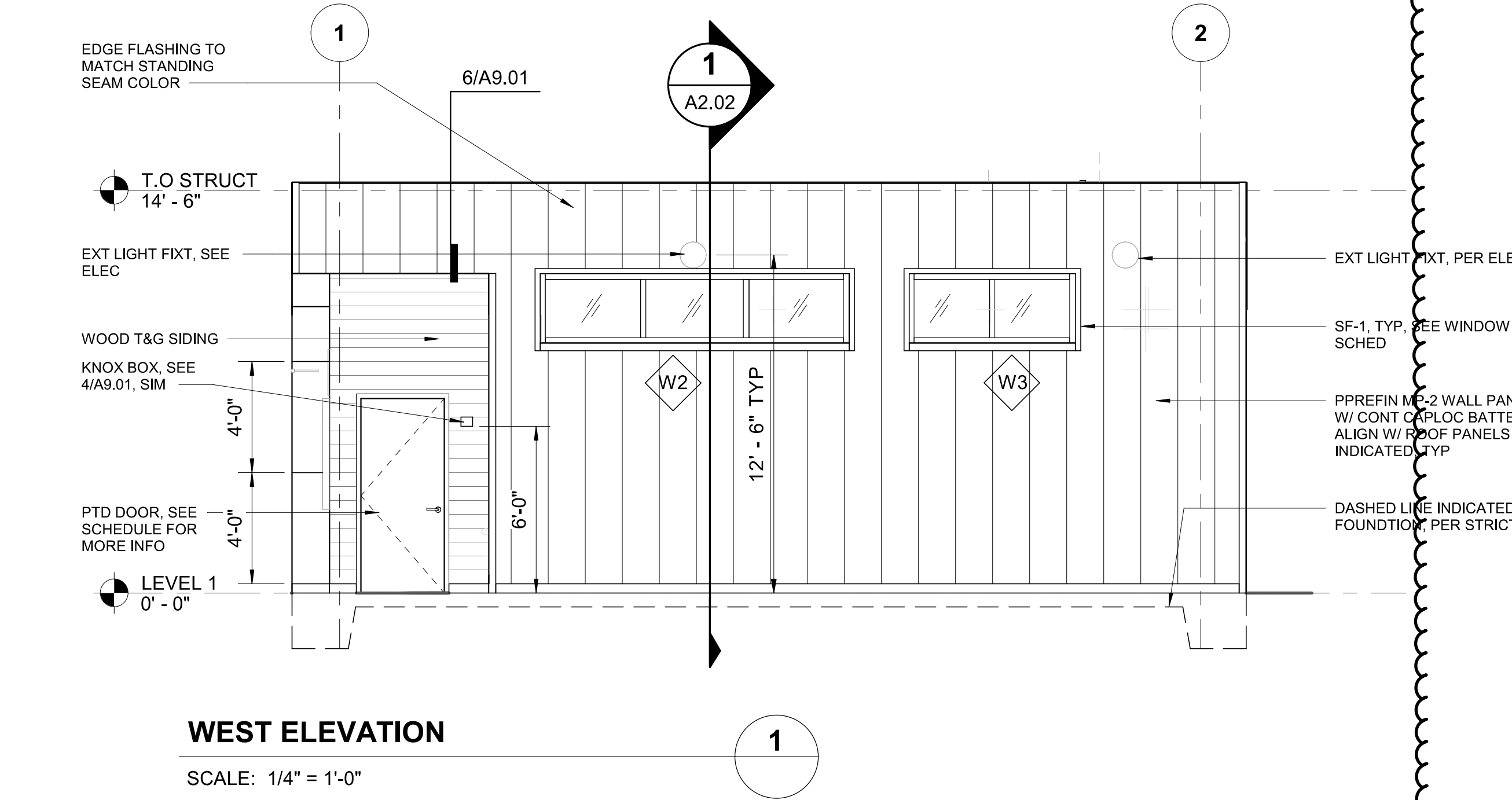
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ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

ROOF PLAN

PROJECT NO.:	-
SCALE:	AS SHOWN
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SHEET NO.	



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Seattle, WA 98101
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www.kpff.com



SCHARRERAD

7566

REGISTERED ARCHITECT


Christine Scharrer

STATE OF WASHINGTON

NO.	DATE	REVISION
0	12/13/2024	ISSUED FOR CONSTRUCTION
1	6/2/2026	REVISED PERMIT/ISSUED FOR CONSTRUCTION

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

EXTERIOR ELEVATIONS

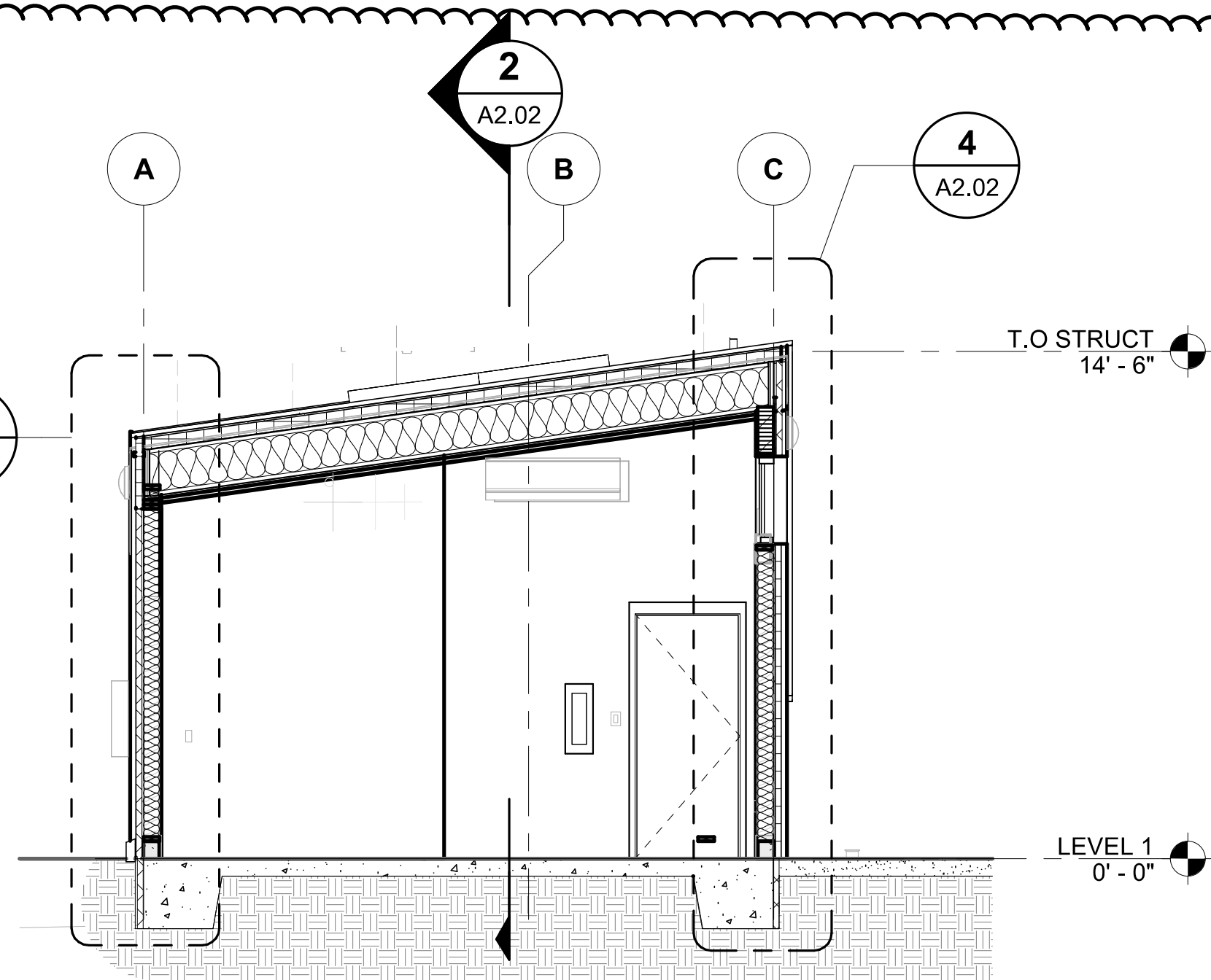
PROJECT NO.: -

SCALE: AS SHOWN

DATE: 12/13/2024

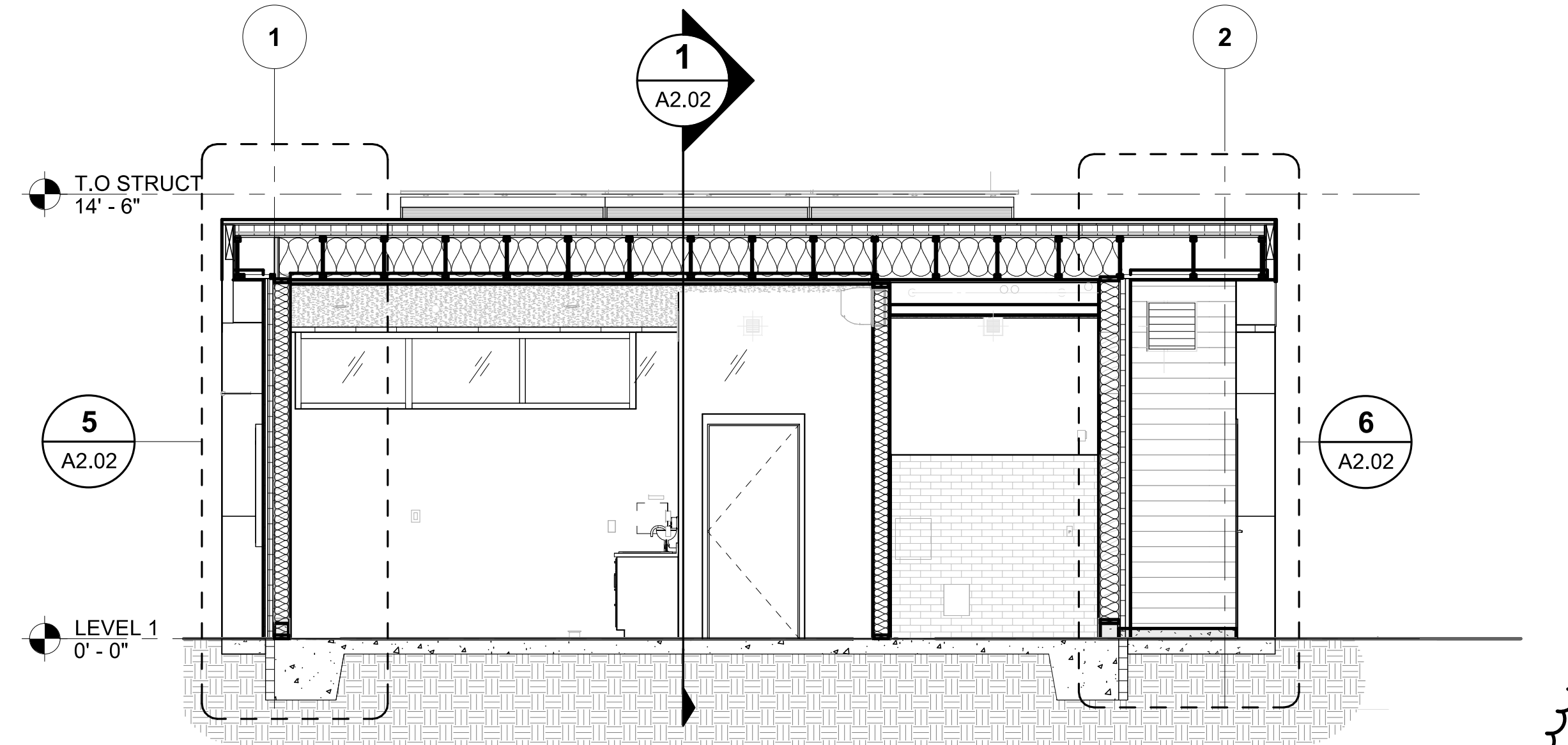
SHEET NO.

A2.01



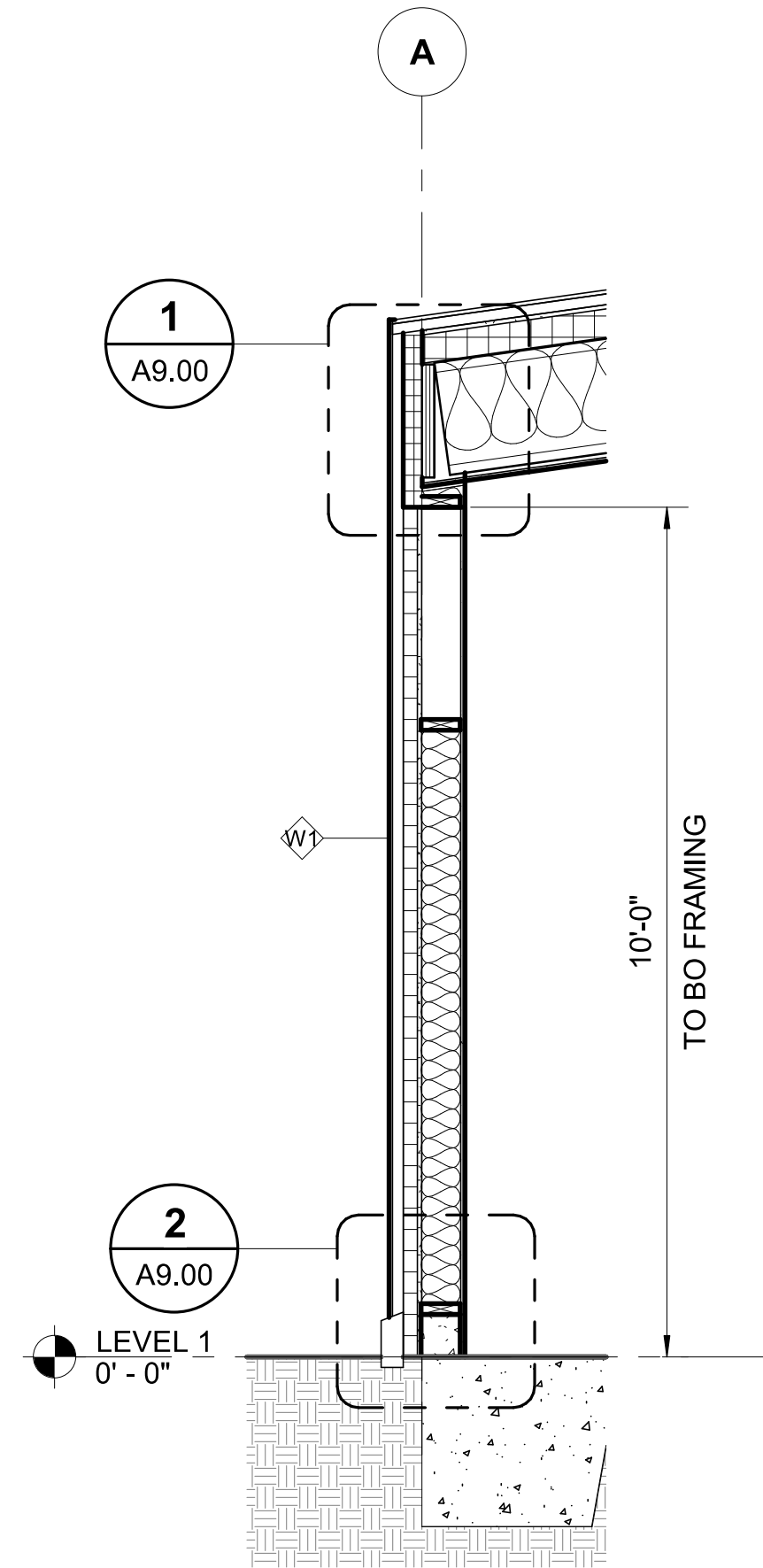
BUILDING SECTION

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



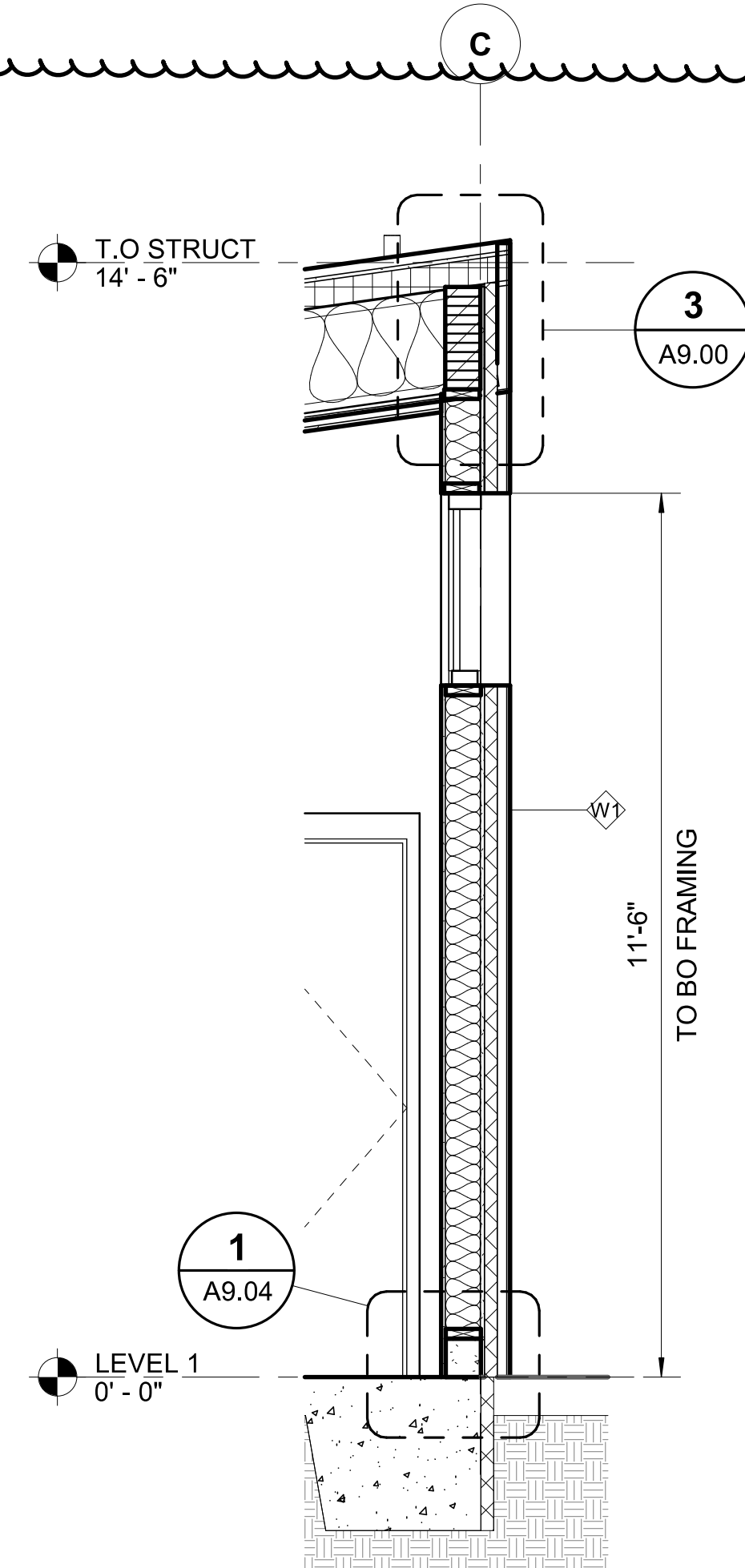
BUILDING SECTION

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



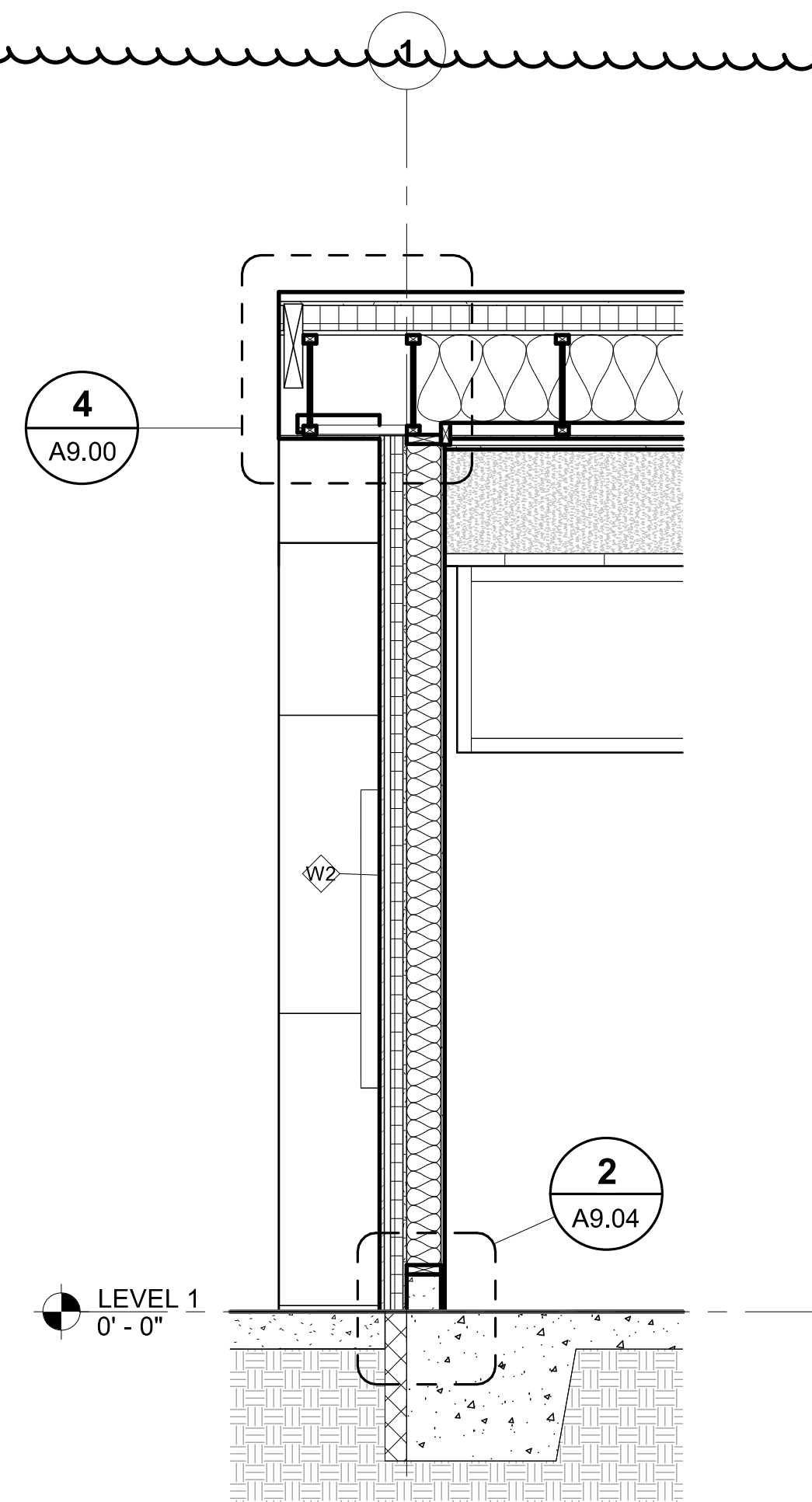
WALL SECTION

SCALE: 1/2" = 1'-0"



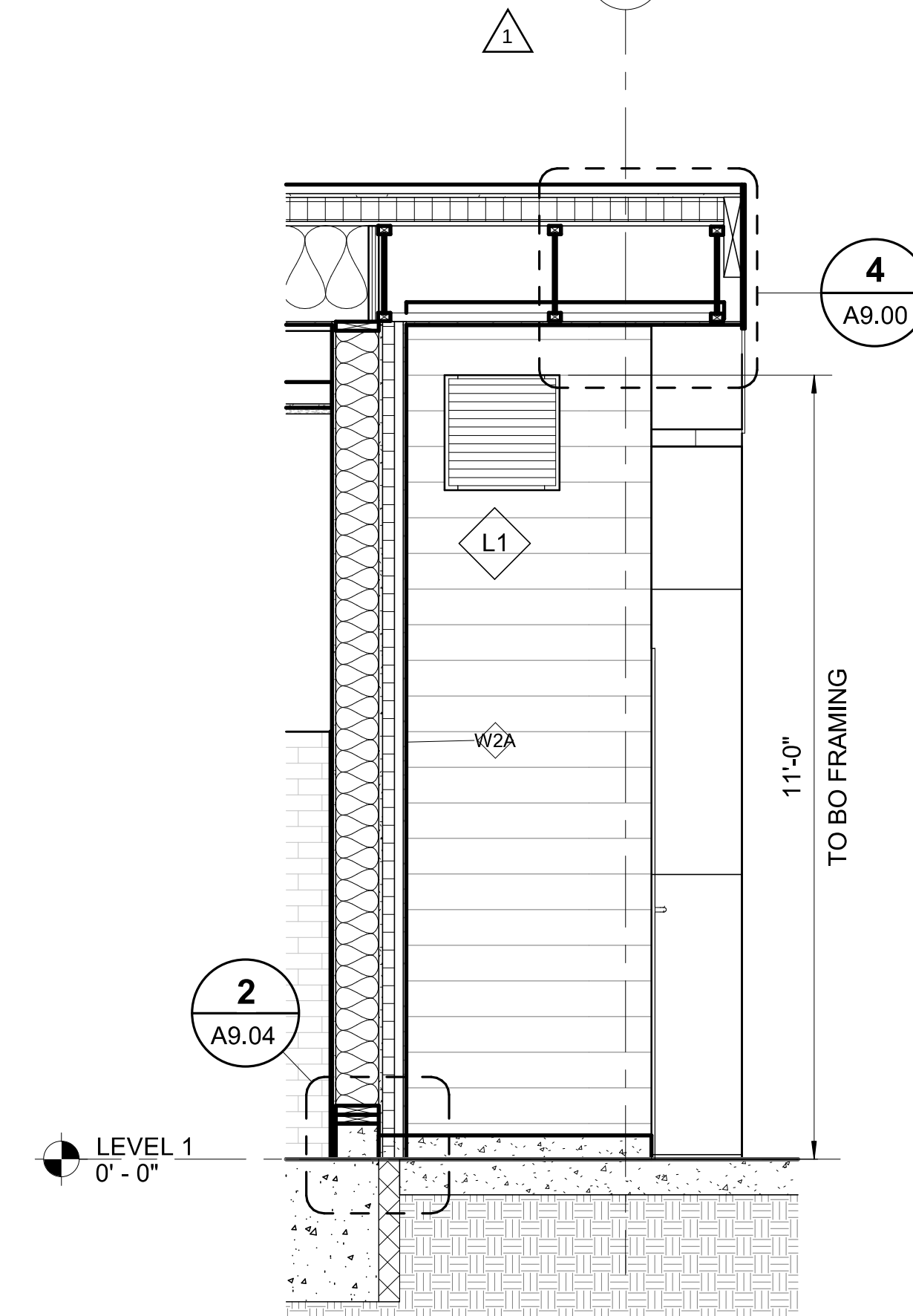
WALL SECTION

SCALE: 1/2" = 1'-0"



WALL SECTION

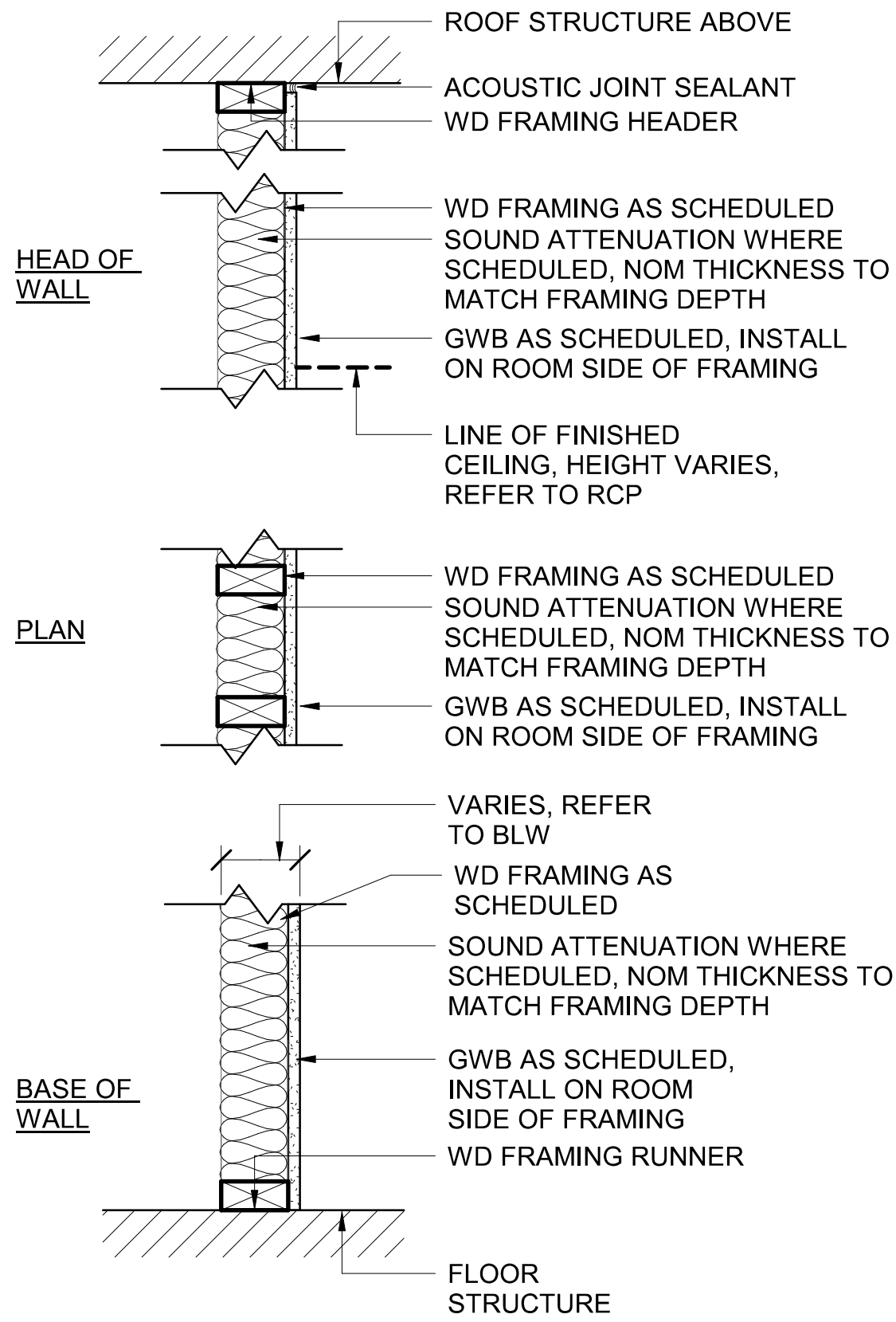
SCALE: 1/2" = 1'-0"



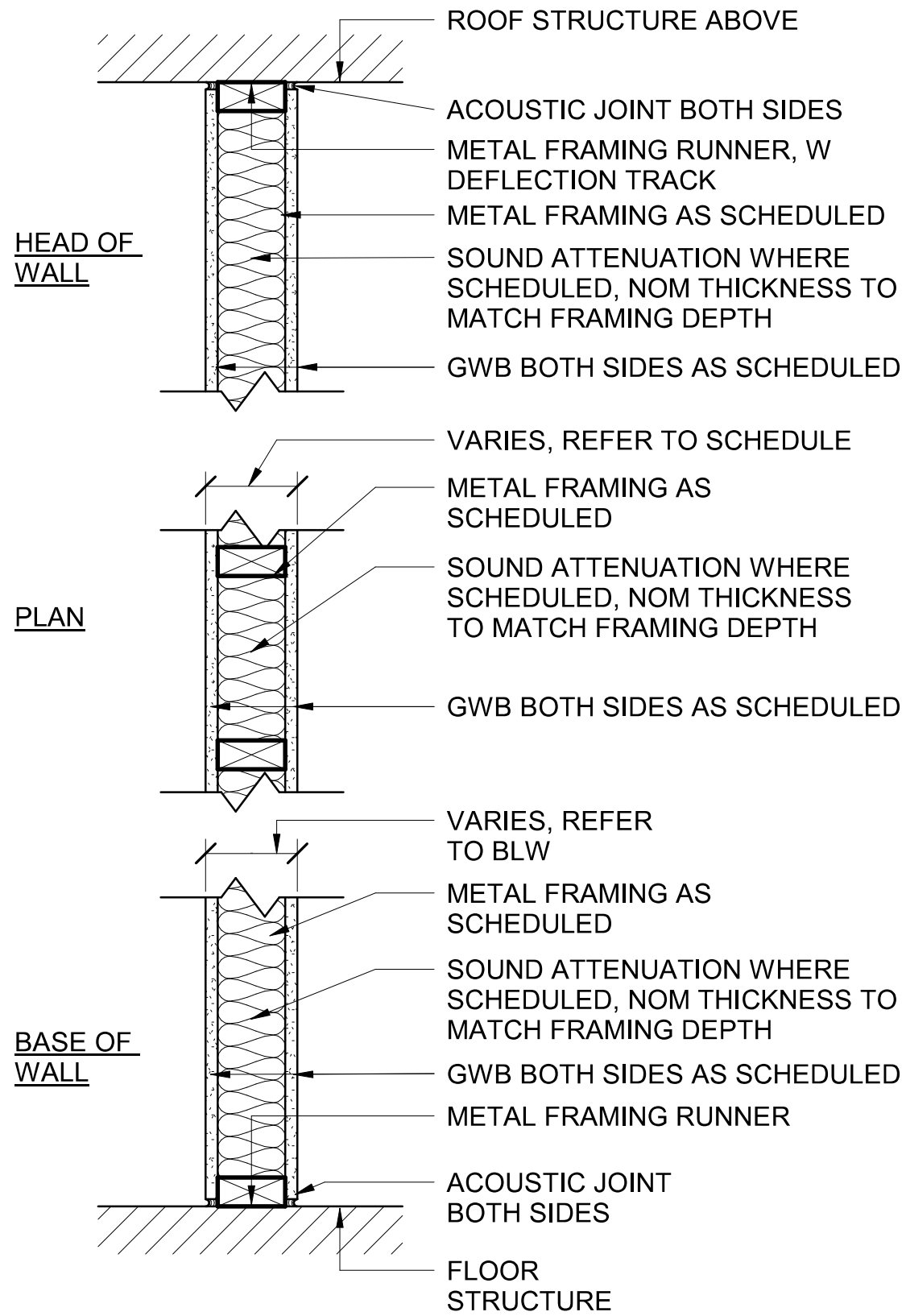
WALL SECTION

SCALE: 1/2" = 1'-0"

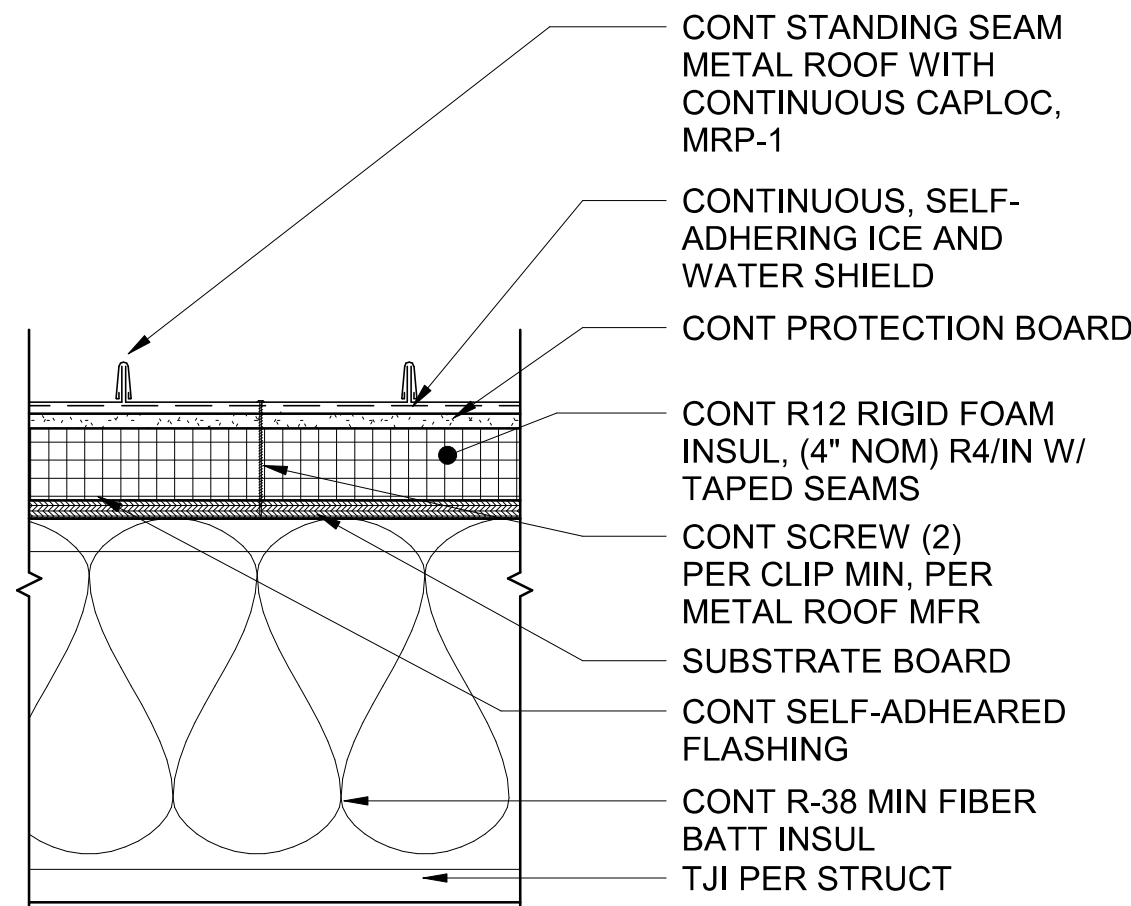
REVISED PERMIT/ISSUED FOR CONSTRUCTION



PARTITION TYPE - P1
SCALE: 1 1/2" = 1'-0"



PARTITION TYPE - P2
SCALE: 1 1/2" = 1'-0"



ROOF ASSEMBLY - R1
SCALE: 1 1/2" = 1'-0"

GENERAL PARTITION NOTES

1. NOT ALL PARTITION GROUPS OR TYPES WITHIN GROUPS HAVE BEEN UTILIZED - RESULTING TYPE NUMBERS MAY NOT BE SEQUENTIAL. REFER TO PARTITION SCHEDULES FOR TYPES UTILIZED IN THIS PROJECT.

2. FOR ALL PARTITION SYSTEMS THAT ARE INDICATED TO EXTEND FROM FLOOR SLAB TO UNDERSIDE OF STRUCTURE, PROVIDE ASSEMBLY AT HEAD OF PARTITION THAT WILL ACCOMMODATE A MINIMUM DEFLECTION OF THE STRUCTURE ABOVE THE PARTITION AS INDICATED ON THE STRUCTURAL DRAWINGS, BUT NOT LESS THAN L/360 (WHERE L= THE SPAN OF THE STRUCTURE) WITHOUT TRANSFERRING LOADS RESULTANT FROM THAT DEFLECTION TO THE PARTITION ASSEMBLY.

3. PROVIDE ASSEMBLY THAT WILL TRANSFER LATERAL LOADS APPLIED NORMAL TO THE FACE OF THE PARTITION SYSTEM INTO THE STRUCTURE OR FLOOR SLAB ABOVE.

4. CONTINUOUS INSULATION: WHERE METAL CLIPS ARE IDENTIFIED WITHIN THE CONTINUOUS INSULATION LAYER, THE RATIO OF CROSS SECTIONAL AREA, AS MEASURED IN THE PLANE OF THE SURFACE, OF METAL PENETRATIONS TO THE OPAQUE SURFACE AREA OF THE ASSEMBLY SHALL BE LESS THAN 0.0004 (0.04%).

5. BLOCKING / BACKING IS REQUIRED AT THE FOLLOWING LOCATIONS:
A. WALL MOUNTED CABINETS & SHELVING
B. WALL MOUNTED ACCESSORIES AND EQUIPMENT
C. WALL MOUNTED DOORSTOPS
D. WALL MOUNTED DOOR HOLD-OPEN DEVICES AND OR CLOSERS
E. TOILET ROOM ACCESSORIES
F. LOCATIONS INDICATED ON EQUIPMENT SCHEDULE
G. OTHER LOCATIONS AS REQUIRED BY THE ARCHITECT AND INDUSTRY STANDARDS.

6. ALL GYPSUM BOARD IS TO BE 5/8" THICK, TYPE X, UNO.

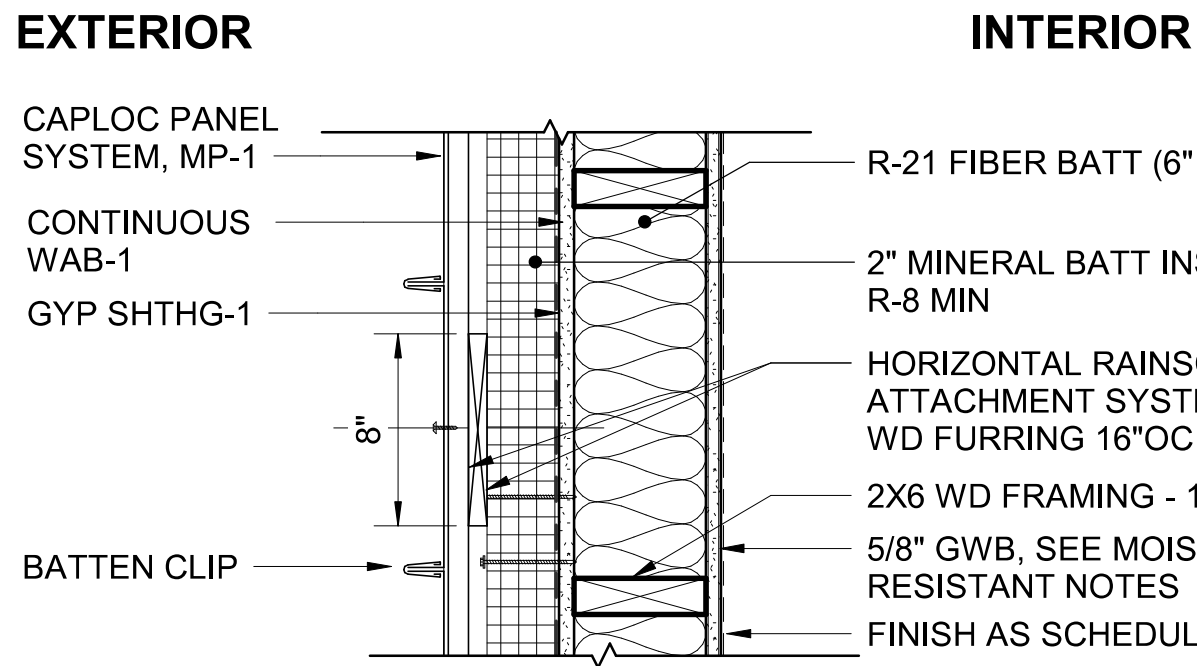
7. WHERE TWO OR MORE LAYERS OF CONTINUOUS INSULATION BOARD ARE USED, THE CONTINUOUS INSULATION BOARDS SHALL BE INSTALLED IN ACCORDANCE WITH ENERGY CODE SECTION C303.2. IF THE CONTINUOUS INSULATION BOARD MANUFACTURER'S INSTALLATION INSTRUCTIONS DO NOT ADDRESS INSTALLATION OF TWO OR MORE LAYERS, THE EDGE JOINTS BETWEEN EACH LAYER OF CONTINUOUS INSULATION BOARDS SHALL BE STAGGERED.

MOISTURE PROTECTION NOTES

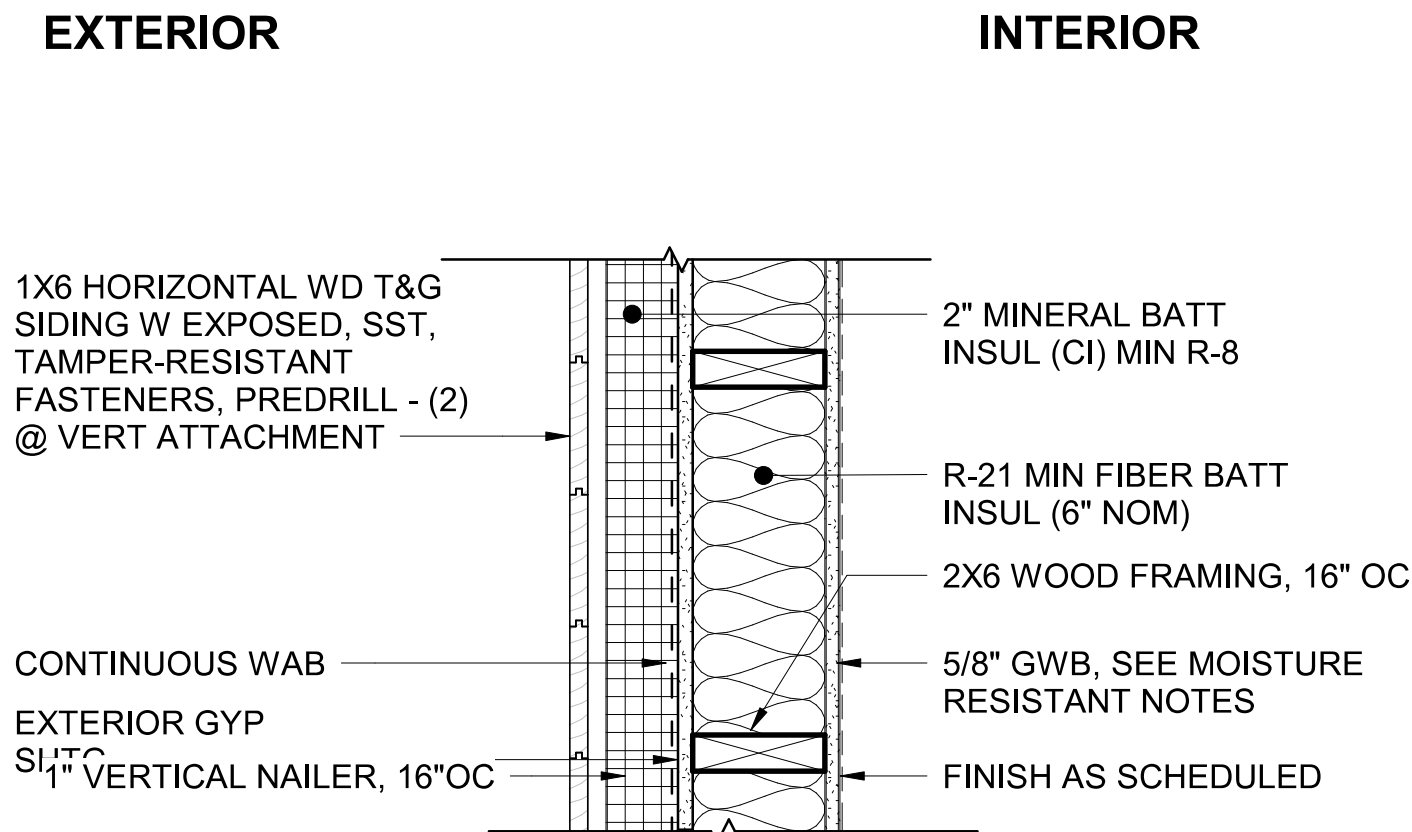
1. PROVIDE MOISTURE RESISTANT GLASS MAT BOARDS ON WET SIDES OF PARTITIONS UP 8'-0" AFF IN ALL TOILET ROOMS AND CUSTODIAL/UTILITY ROOM.
2. WHERE SINK OCCURS, PROVIDE MOISTURE RESISTANT GLASS MAT BOARDS TO 48" AFF BEHIND CASEWORK, AND 24" MIN EACH DIRECTION FROM CENTER OF FIXTURE.

ACOUSTIC PARTITION NOTES

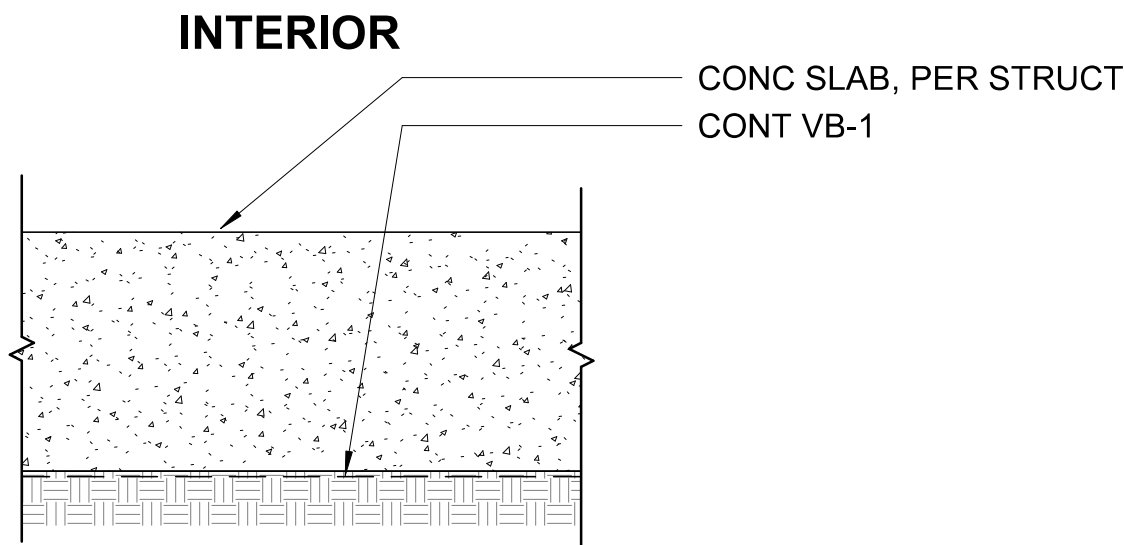
1. ACOUSTIC PARTITIONS ARE TO BE SEALED WITH ACOUSTIC SEALANT TO ADJACENT CONSTRUCTION (WALLS, FLOOR, AND STRUCTURE) AS REQUIRED TO MAINTAIN THE ACOUSTICAL RATING OF THE ASSEMBLY.
2. SOUND ATTENUATION INSULATION, NOMINAL THICKNESS, TO MATCH FRAMING DEPTH.
3. INSTALL SOUND ATTENUATION INSULATION FULL HEIGHT OF WALL.
4. SECURE SOUND ATTENUATION INSULATION SO AS NOT TO FALL.
5. PROVIDE ACOUSTIC PARTITIONS IN ALL TOILET ROOMS AND LACTATION ROOM INTERIOR PARTITION WALLS.



EXT WALL TYPE - W1
SCALE: 1 1/2" = 1'-0"



EXT WALL TYPE - W2
SCALE: 1 1/2" = 1'-0"



FLOOR TYPE 1
SCALE: 1 1/2" = 1'-0"

NOTE:
ALL PENETRATIONS THROUGH AIR BARRIER INCLUDING DUCT, CONDUIT, PIPE, AND BOX PENETRATIONS TO BE AIR SEALED WITH MANUFACTURER'S APPROVED SEALANT, FOAM OR FIRE SAFING. AT 2" OR LARGER ELEC CONDUITS, PROVIDE ADDITIONAL AIR BARRIER SEAL WITHIN CONDUIT TO PREVENT AIR MIGRATION.

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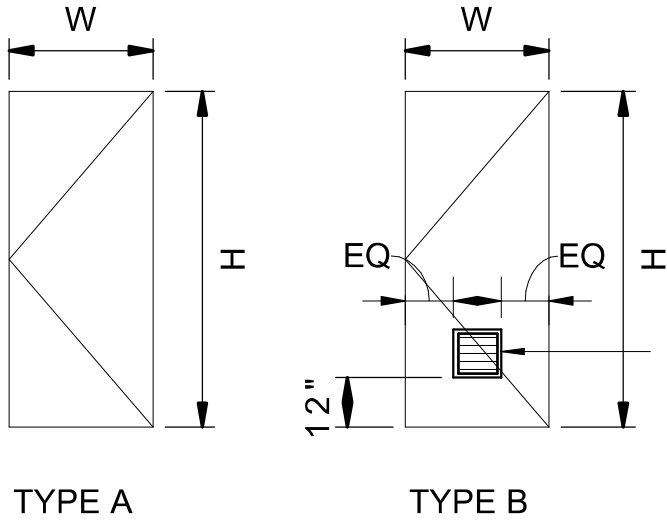
DOOR AND FRAME SCHEDULE

DOOR #	ROOM NAME	DOOR					FRAME		FRAME FINISH	DETAILS			HARDWARE GROUP	U-FACTOR	REMARKS
		WIDTH	HEIGHT	TYPE	FINISH	MATERIAL	TYPE	MATERIAL		JAMB	HEAD	SILL			
101	ENTRY	3' - 0"	7' - 0"	A	PTD	HM	1	HM	PTD	4/A9.03	1/A9.03	7/A9.03	HW-01	U=0.37	
103	RESTROOM	3' - 0"	7' - 0"	B	CLR	SCWD	1	HM	PTD	2/A9.03	2/A9.03	-	HW-02	N/A	
104	RESTROOM	3' - 0"	7' - 0"	B	CLR	SCWD	1	HM	PTD	2/A9.03	2/A9.03	-	HW-02	N/A	
105	UTILITY	3' - 0"	7' - 0"	A	PTD	HM	1	HM	PTD	4/A9.03	1/A9.03	7/A9.03	HW-03	U=0.37	
X															
X															
X															

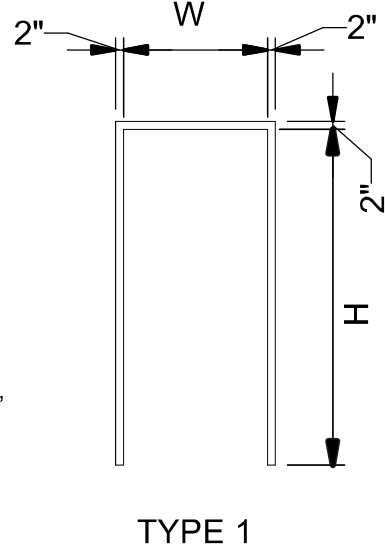
- NOTES:
1. DOOR CLOSING SPEED SHALL BE IN COMPLIANCE WITH A117.1 404.2.7 & ADA 404.2.8; CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQ'D TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MIN
 2. DOOR FORCE SHALL BE IN COMPLIANCE WITH A117.1 404.2.8 & ADA 404.2.9, ALLOWS FOR 5 LBS OF FORCE AT INTERIOR DOORS. SBC 1102.1.2 ALLOWS FOR 10 LBS OF FORCE AT EXTERIOR DOORS.
 3. SEE SPECIFICATION SECTION 08 11 13 - HOLLOW METAL DOORS AND FRAMES FOR MORE INFORMATION.
 4. SEE SPECIFICATION SECTION 08 14 16 - FLUSH WOOD DOORS FOR MORE INFORMATION.
 5. SEE SPECIFICATION SECTION 08 71 00 - HARDWARE FOR MORE INFORMATION.

1

DOOR TYPES



FRAME TYPES



HARDWARE TYPES

HARDWARE SET #1 - ENTRY DOOR
1 CYPHER LOCKSET (FAIL SECURE)
LEVER LATCHSET
DOOR CONTACTS
3 HINGES
1 CLOSER
1 WALL STOP
1 THERMAL BREAK THRESHOLD
1 DOOR VIEWER (200 DEGREE)
DOOR SWEEP
MOP PLATE
DOOR SEAL WEATHER STRIPPING

HARDWARE SET #2 - INTERIOR TOILET ROOM
PRIVACY LOCKSET W/ EGRESS DEADBOLT
VACANT/OCCUPIED INDICATOR
LEVER LATCHSET
MORTISE CYLINDER
3 HINGES
1 CLOSER
1 FLOOR STOP
MOP PLATE
KICK PLATE
DOOR SEALS

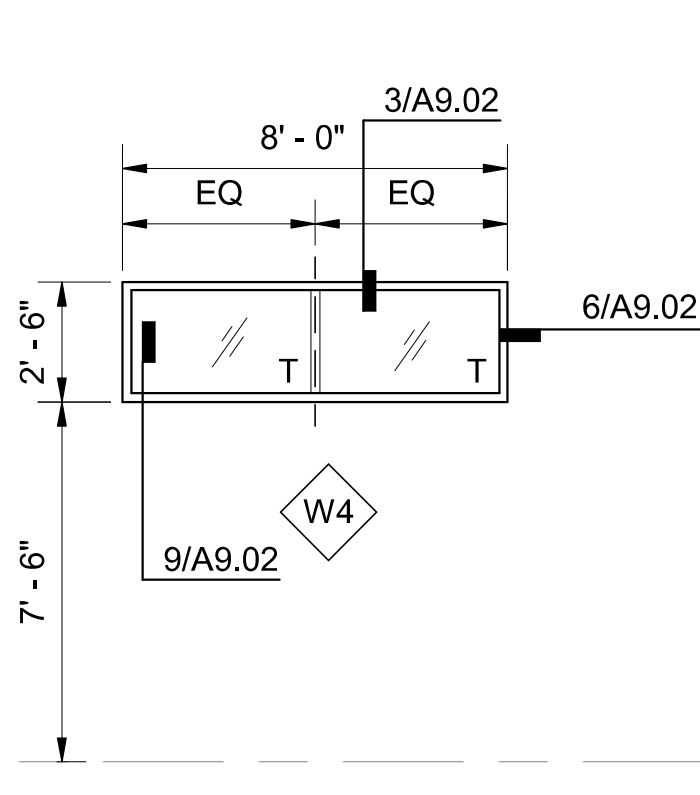
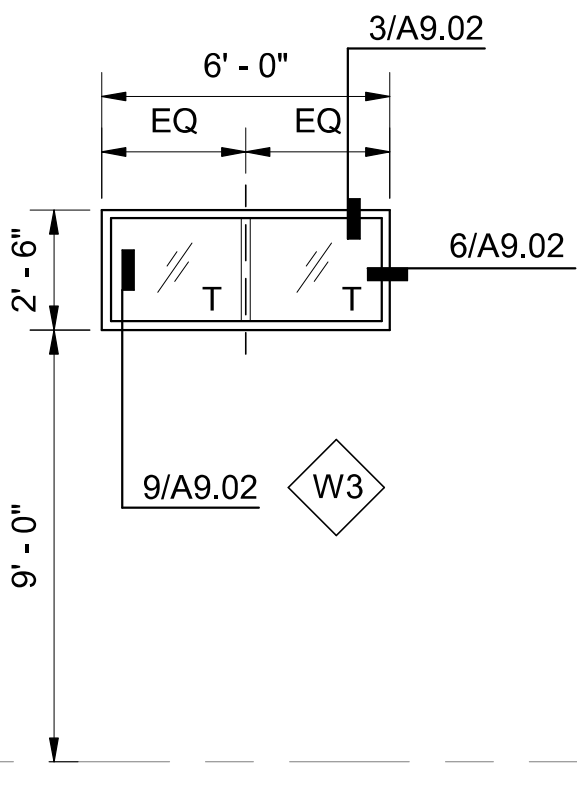
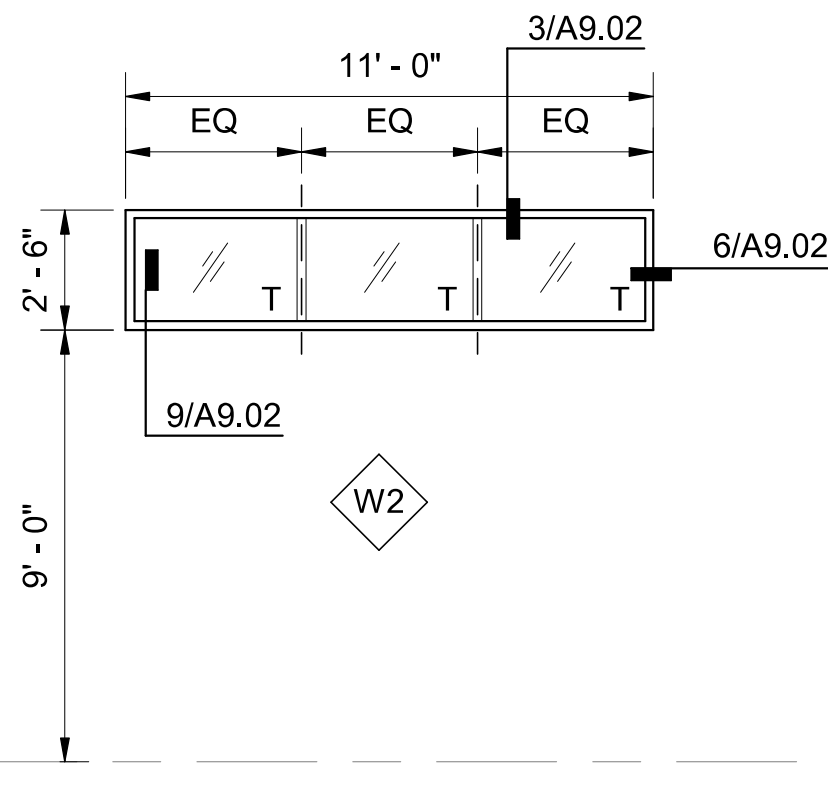
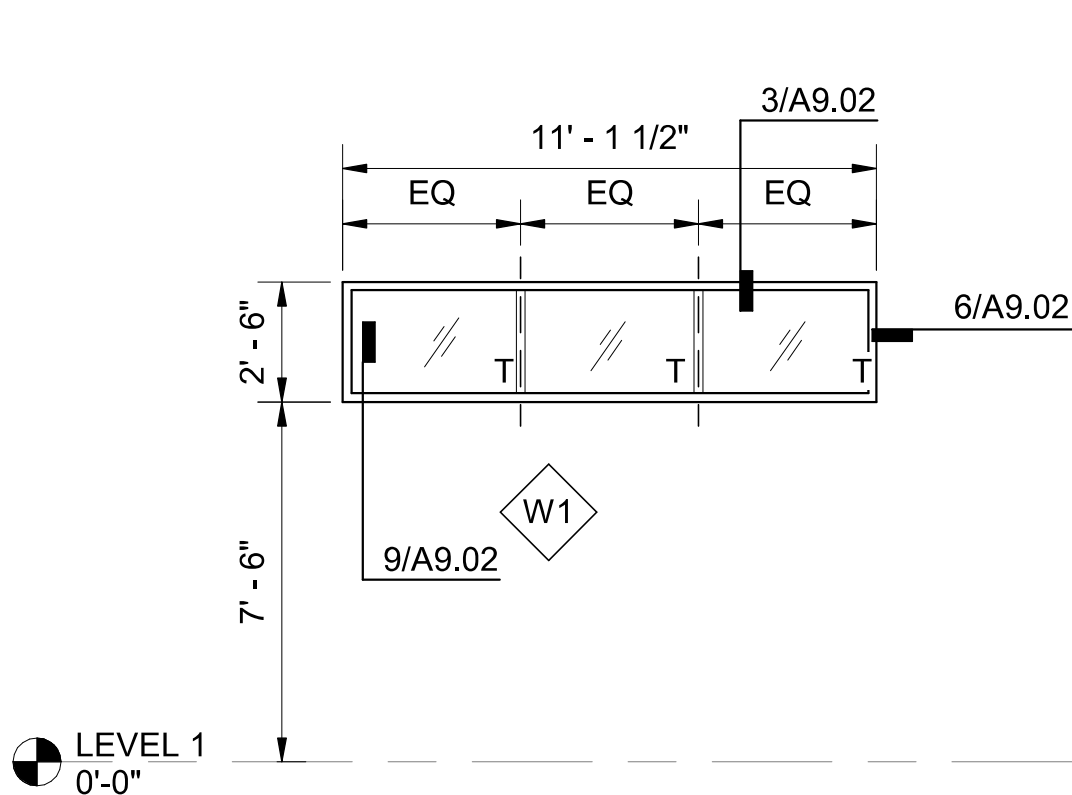
HARDWARE SET #3 - UTILITY ROOM
CYPHER LOCK
LEVER LATCHSET
3 HINGES
3 SILENCERS
1 WALL STOP
1 CLOSER
MOP PLATE

HW
PTD
CLR
SCWD
HM
HARDWARE
PAINTED
CLEAR SEALED
SOLID CORE WOOD
HOLLOW METAL

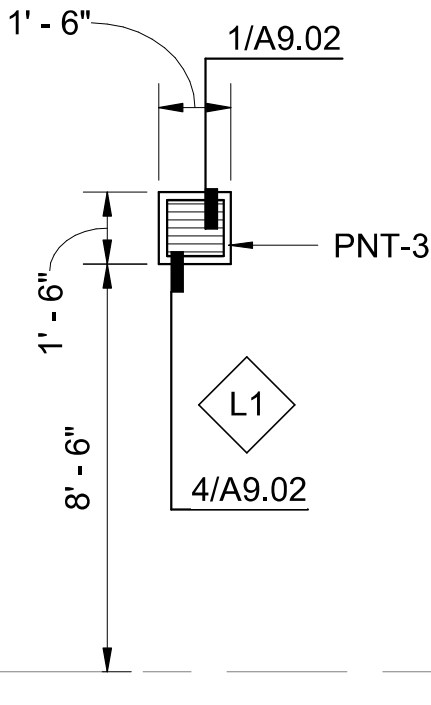
SCHEDULE KEY

1

WINDOW TYPE SCHEDULE



LOUVER TYPES



- NOTES:
1. BASIS OF DESIGN WINDOW AND GLAZING SPECIFICATION IS FOR KAWNEER 451UT, GLAZED WITH 1" IGU, THAT HAS DOUBLE LOW E COATINGS AND ARGON GAS FILL, 4 1/2" X 2" FRAME
U VALUE: 0.28 SHGC: 0.23 NFRC CERTIFIED CLASS AW
VERTICAL FENESTRATION AREA: 85.5 SF GROSS ABV GRADE WALL AREA: 1072 SF
 2. SF-1, SEE SPECIFICATION SECTION 08 51 13 - ALUMINUM WINDOWS FOR MORE INFORMATION.
 3. SEE SPECIFICATION SECTION 08 80 00 - GLAZING FOR MORE INFORMATION.
 4. ALL GLAZING TO BE TEMPERED, T = TEMPERED

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ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282
DOOR, WINDOW, & LOUVER SCHEDULE

PROJECT NO.:	-
SCALE:	AS SHOWN
DATE:	12/13/2024
SHEET NO.	

A3.02

1

ROOM FINISH SCHEDULE										
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL - NORTH	WALL - EAST	WALL - SOUTH	WALL - WEST	CEILING FINISH	CEILING HEIGHT	NOTES
101	ENTRY	CONC-1	RB-2	PT-3	PT-1	PT-1	PT-1	GWB/PT-1	VARIES	SEE FINISH LEGEND
102	BREAK RM	CONC-1	RB-2	PT-1	PT-1	PT-1/PT-3	PT-1	GWB/PT-1	VARIES	SEE FINISH LEGEND
103	RESTROOM	CONC-1	TL-1	PT-1	PT-1	PT-1	PT-1	GWB/PT-1	VARIES	SEE FINISH LEGEND
104	RESTROOM	CONC-1	TL-1	PT-1	PT-1	PT-1	PT-1	GWB/PT-1	VARIES	SEE FINISH LEGEND
105	UTILITY	CONC-1	RB-1	PT-1	PT-1	PT-1	PT-1	OPEN	OPEN	SEE FINISH LEGEND

FINISH LEGEND

FLOORS		PAINT	
CONC - 1	CONCRETE FINISH: SEALED SCORING: PER PLAN COLOR: CLEAR SECTION 03 35 13 - CONCRETE FLOOR FINISHING	PNT - 1	PAINT - FIELD MANUF: BENJAMIN MOORE COLOR: 2121-60 WHITE DIAMOND TYPE: EGGSHELL SECTION 09 90 00 - PAINTING AND COATING
		PNT - 2	PAINT - DOOR & FRAME MANUF: BENJAMIN MOORE COLOR: HC-167 AMHURST GRAY TYPE: SEMI-GLOSS SECTION 09 90 00 - PAINTING AND COATING
		PNT - 3	PAINT - ACCENT MANUF: BENJAMIN MOORE COLOR: 2016-30 CARROT STICK TYPE: EGGSHELL SECTION 09 90 00 - PAINTING AND COATING
BASE		CASEWORK	
RB - 1	RESILIENT BASE MANUF: ROPPE STYLE: 6" COLOR: 194 BURNT RUBBER	RB - 2	RESILIENT BASE MANUF: ROPPE STYLE: 4" COLOR: 194 BURNT RUBBER
	SECTION 09 65 13 - RESILANT BASE & ACCESSORIES		SECTION 09 65 13 - RESILANT BASE & ACCESSORIES
		HPDL - 1	HIGH PRESSURE DENSITY LAMINATE MANUF: FORMICA STYLE: - COLOR: 8824-58 WHITE DROPS FINISH: MATTE
			SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK
		SSM - 1	SOLID SURFACE MATERIAL MANUF: STARON STYLE: RECYCLED SERIES COLOR: PG840 PEBBLE GOLD THICKNESS: AS SPECIFIED
			SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK
EXTERIOR		TILE	
MP-1	METAL PANEL MANUF: AEP SPAN TYPE: DESIGN SPAN HP, 12" COLOR: COOL DARK BRONZE SECTION 07 41 13 - METAL ROOF & WALL PANELS	RA-1	ROOF PANEL MANUF: AEP SPAN TYPE: DESIGN SPAN HP, 12" COLOR: COOL DARK BRONZE SECTION 07 41 13 - METAL ROOF & WALL PANELS
		WT-1	WOOD SIDING MANUF: 6" T&G TYPE: 6" T&G COLOR: TIGERWOOD SECTION 07 46 23 - WOOD SIDING
		TL-1	UNITED TILE MANUF: UNITED TILE TYPE: SONOMA - PURE, 3X6 COLOR: WHITE GLOSS SECTION 09 30 00 - TILING

FINISH LEGEND NOTES:

1. FINISH MATERIAL PRODUCT MANUFACTURERS AND TYPES TO BE CONSIDERED AS BASIS OF DESIGN, SEE APPROPRIATE SPECIFICATION SECTIONS FOR ALTERNATIVE MANUFACTURERS AND SUBMITTAL PROCEDURES.
2. WGR-1, GRAFFITI REPELLENT TYPE, AS SPECIFIED, SECTION - 07 19 10 WATER AND GRAFFITI REPELLENTS.

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CAMANO, WA 98282

ROOM FINISH SCHEDULE

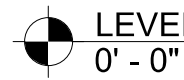
PROJECT NO.: -

SCALE: AS SHOWN

DATE: 12/13/2024

SHEET NO.

A3.03



1

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



2

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



5

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



6

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



3

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

4

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



7

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



8

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



Q

SCALE: 1/2" = 1'-0"



1

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



1

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



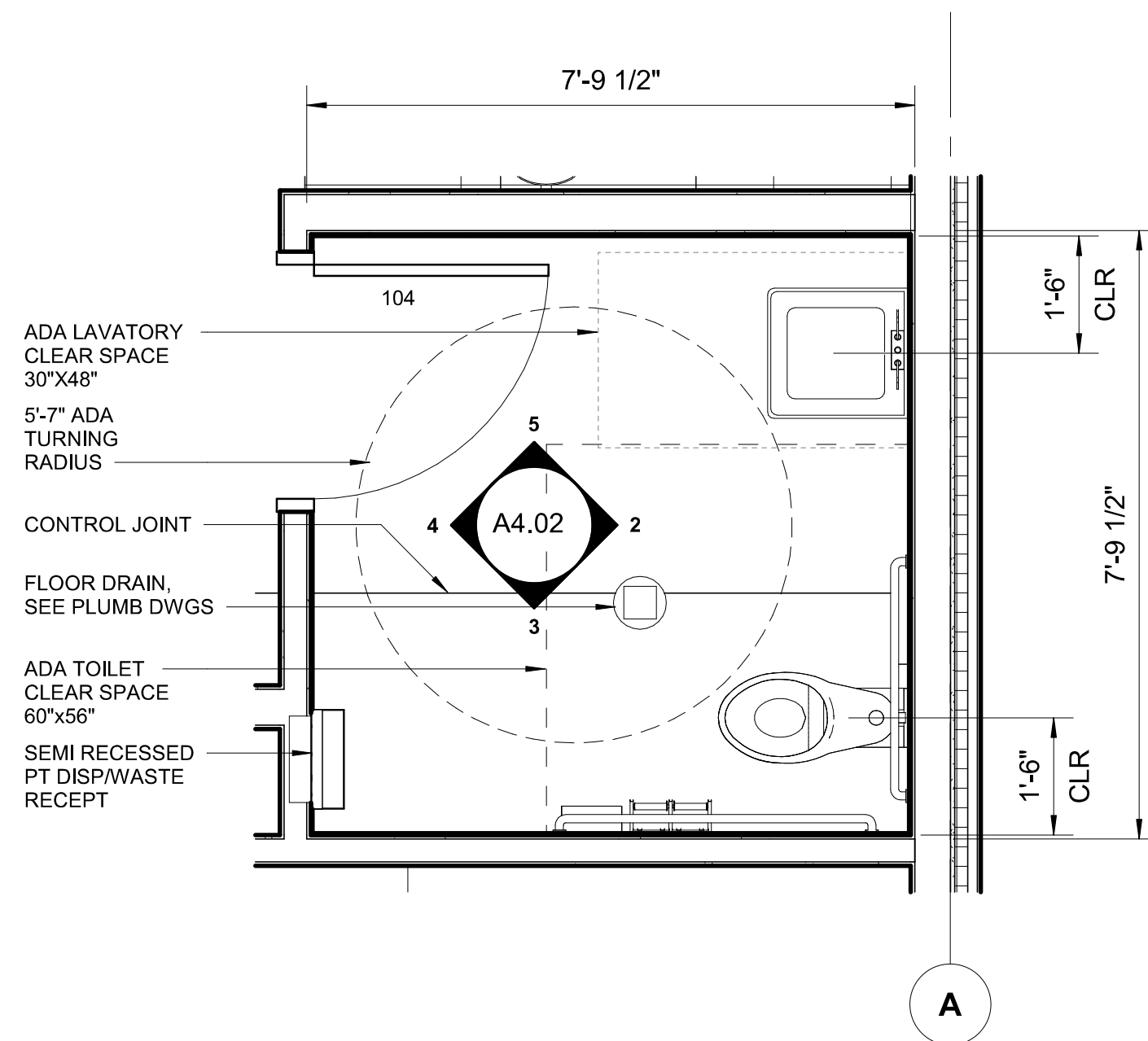
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SCALE: 1/4" = 1'-0"



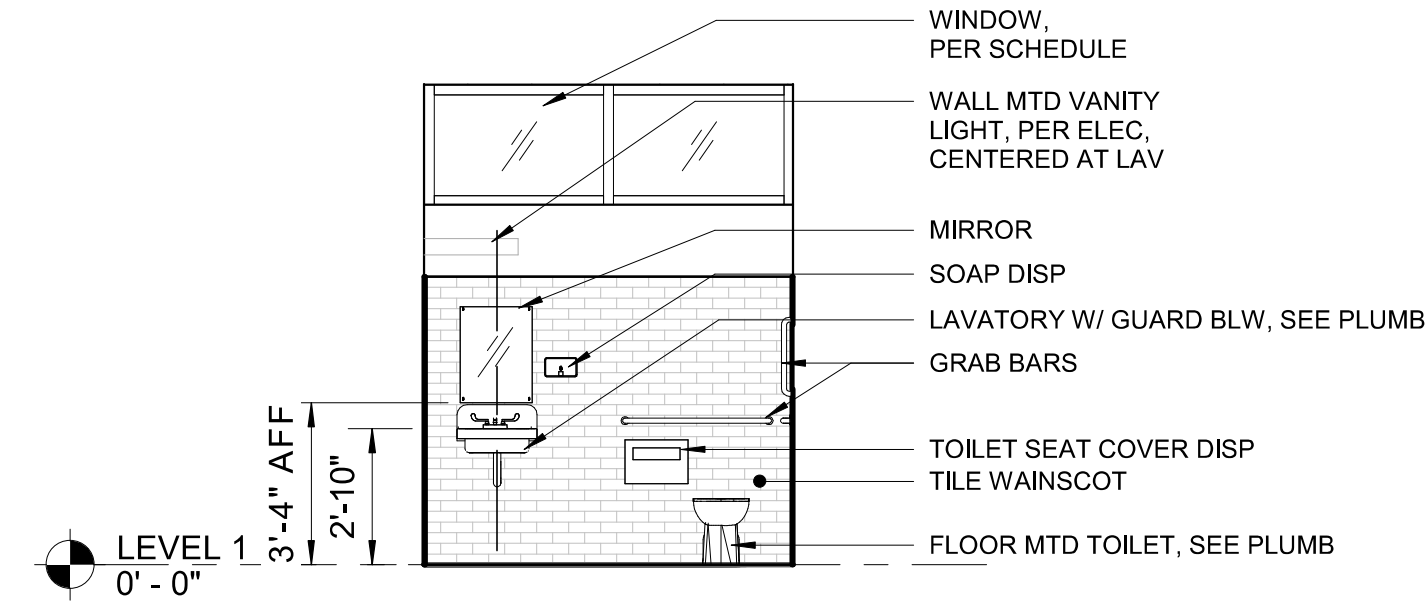
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SCALE: 1/4" = 1'-0"



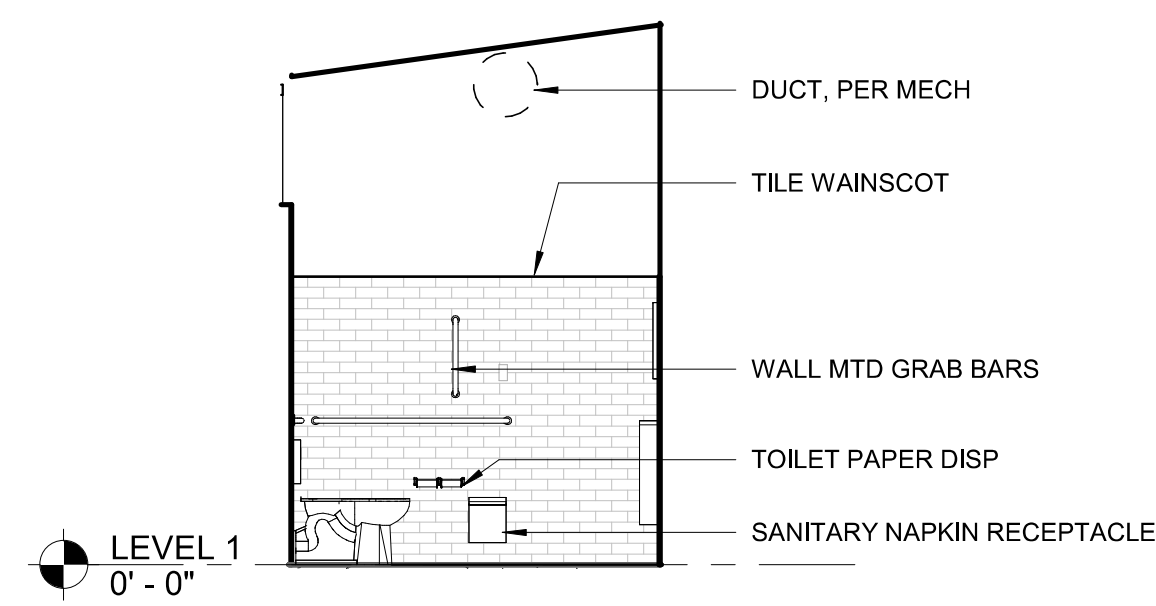
ENLARGED PLAN - RESTROOM 104

SCALE: 1/2" = 1'-0"



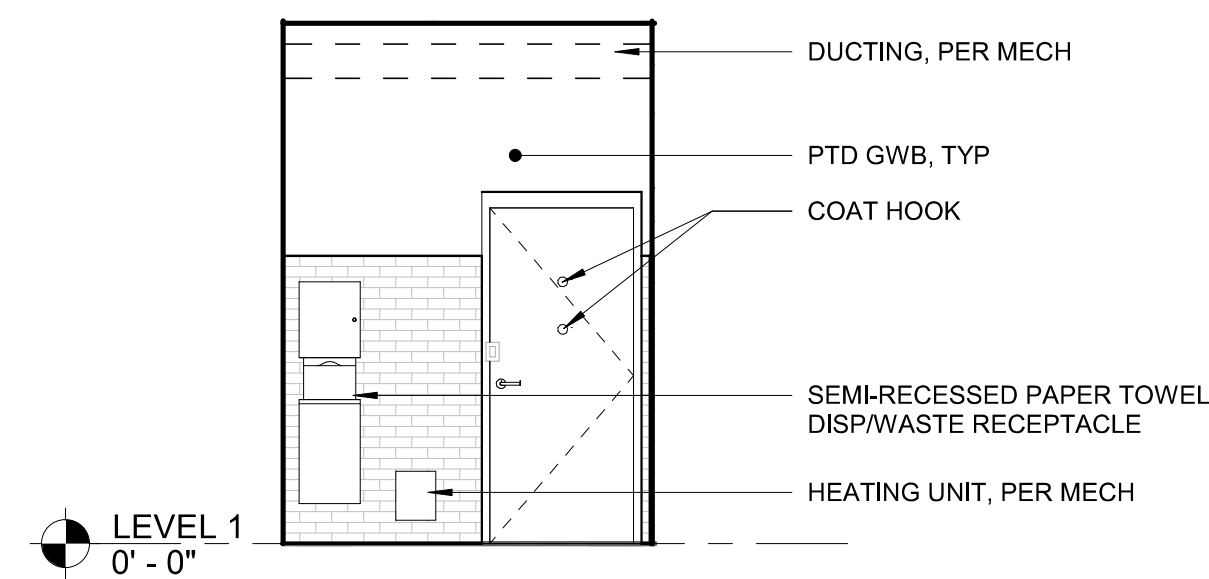
RESTROOM 104 - EAST

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



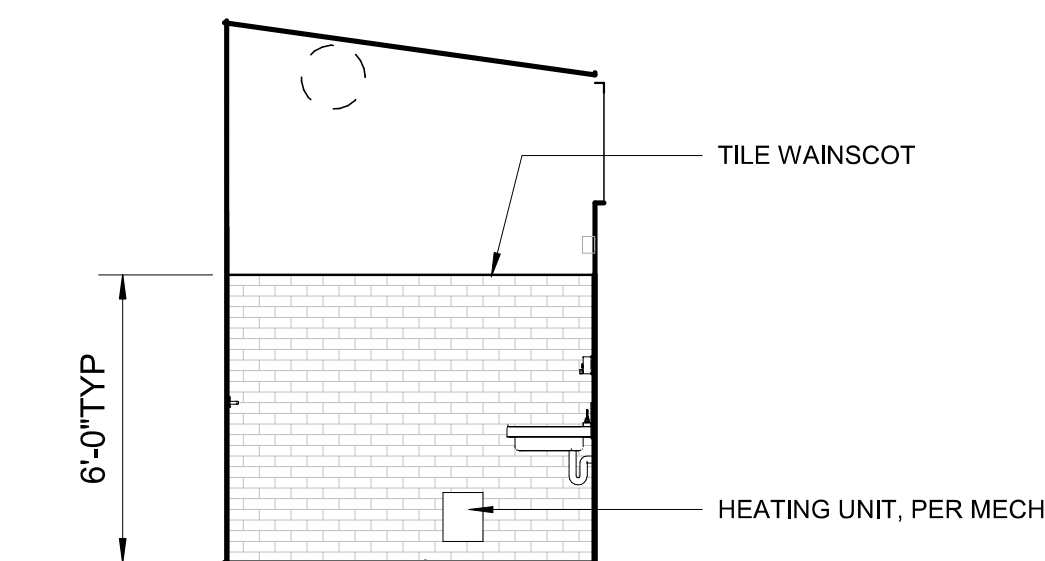
RESTROOM 104 - SOUTH

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



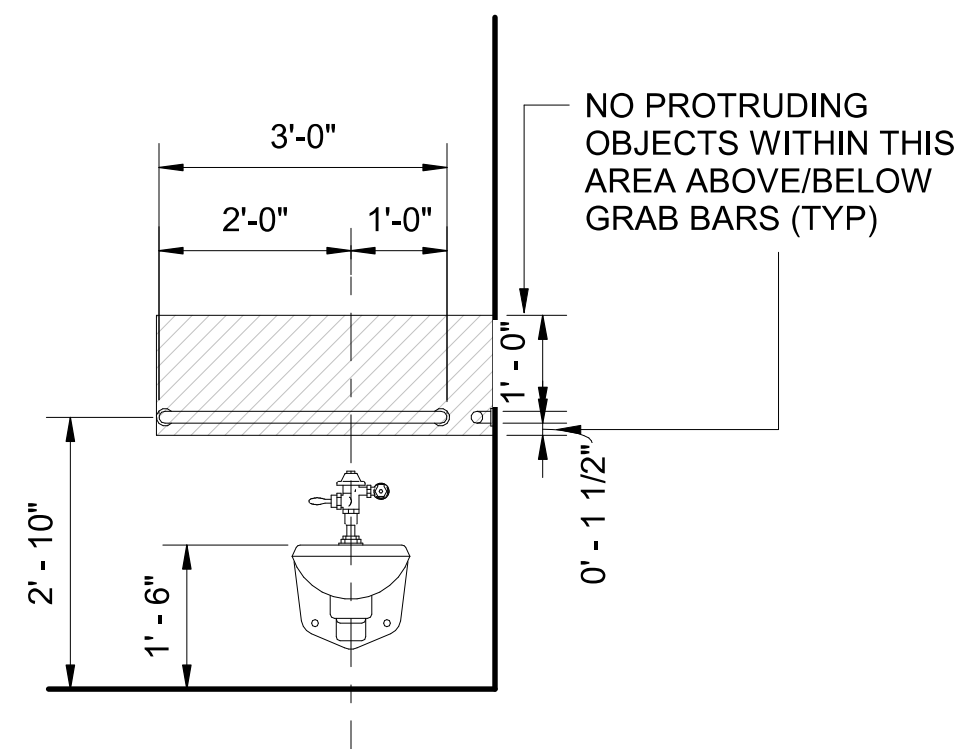
RESTROOM 104 - WEST

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



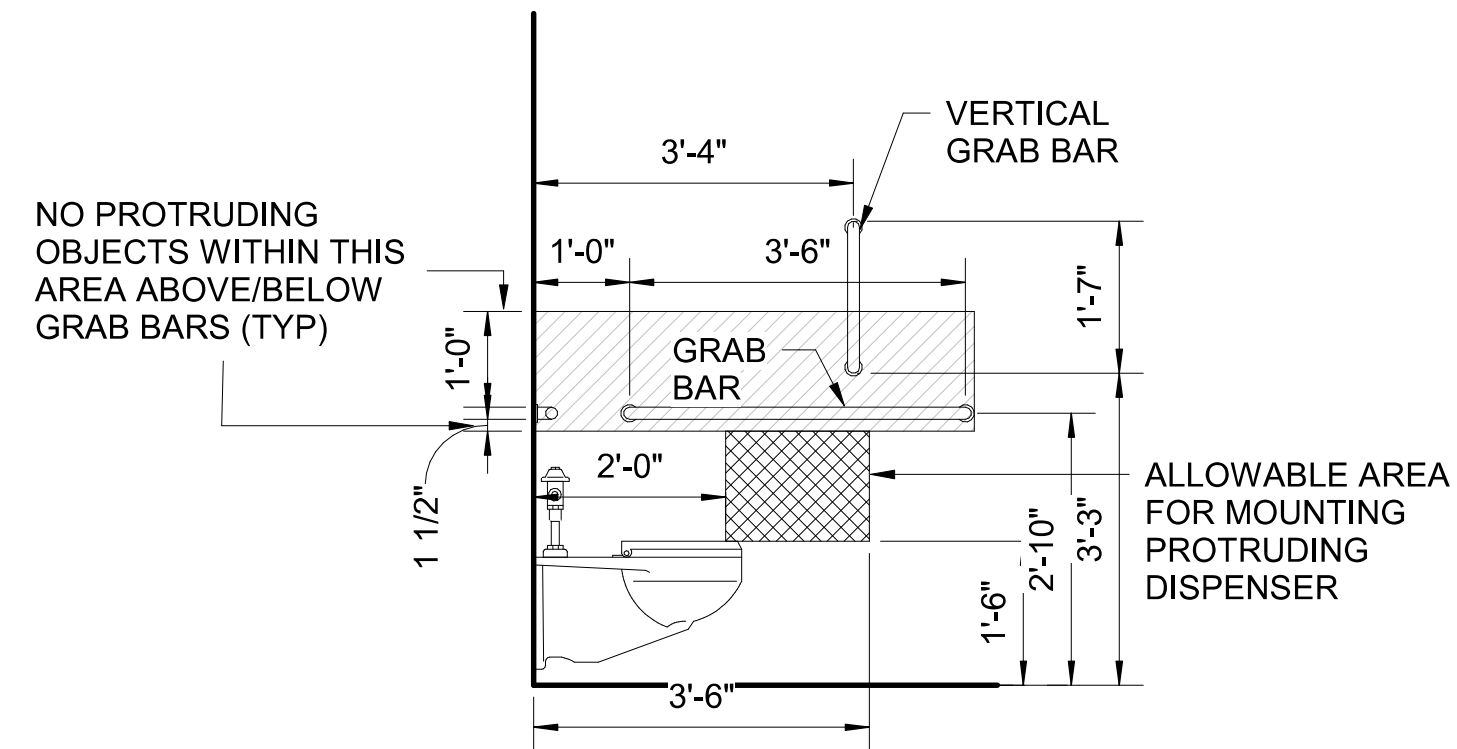
RESTROOM 104 - NORTH

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



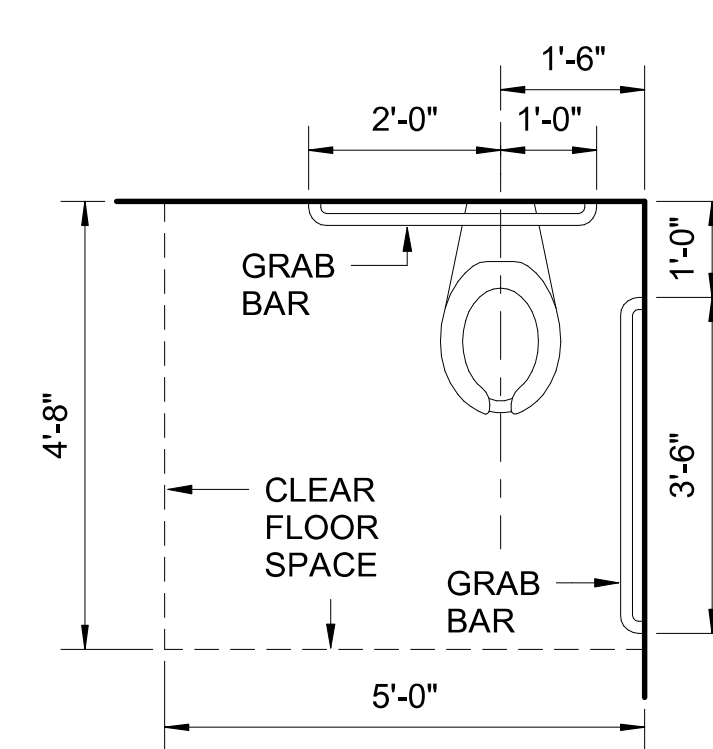
TYP WC ELEVATION FRONT

SCALE: 1/2" = 1'-0"



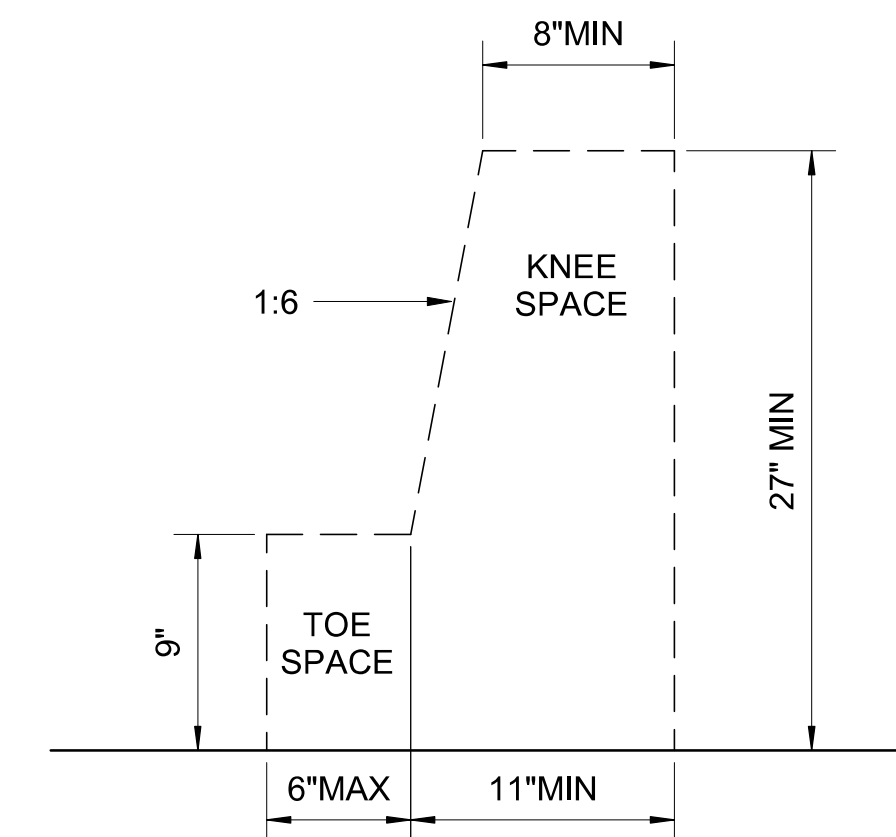
TYP WC ELEVATION SIDE

SCALE: 1/2" = 1'-0"



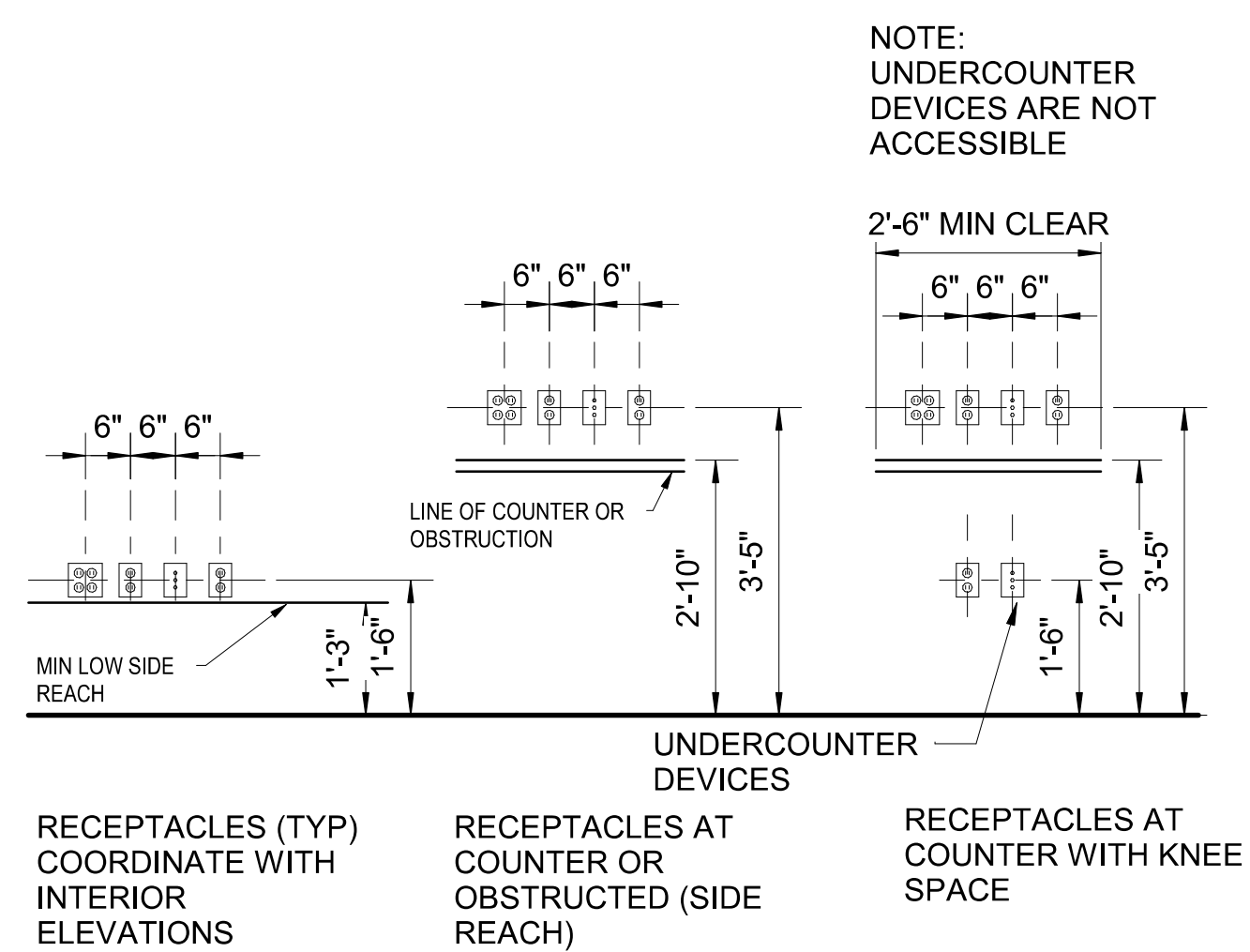
TYP WATER CLOSET PLAN

SCALE: 1/2" = 1'-0"



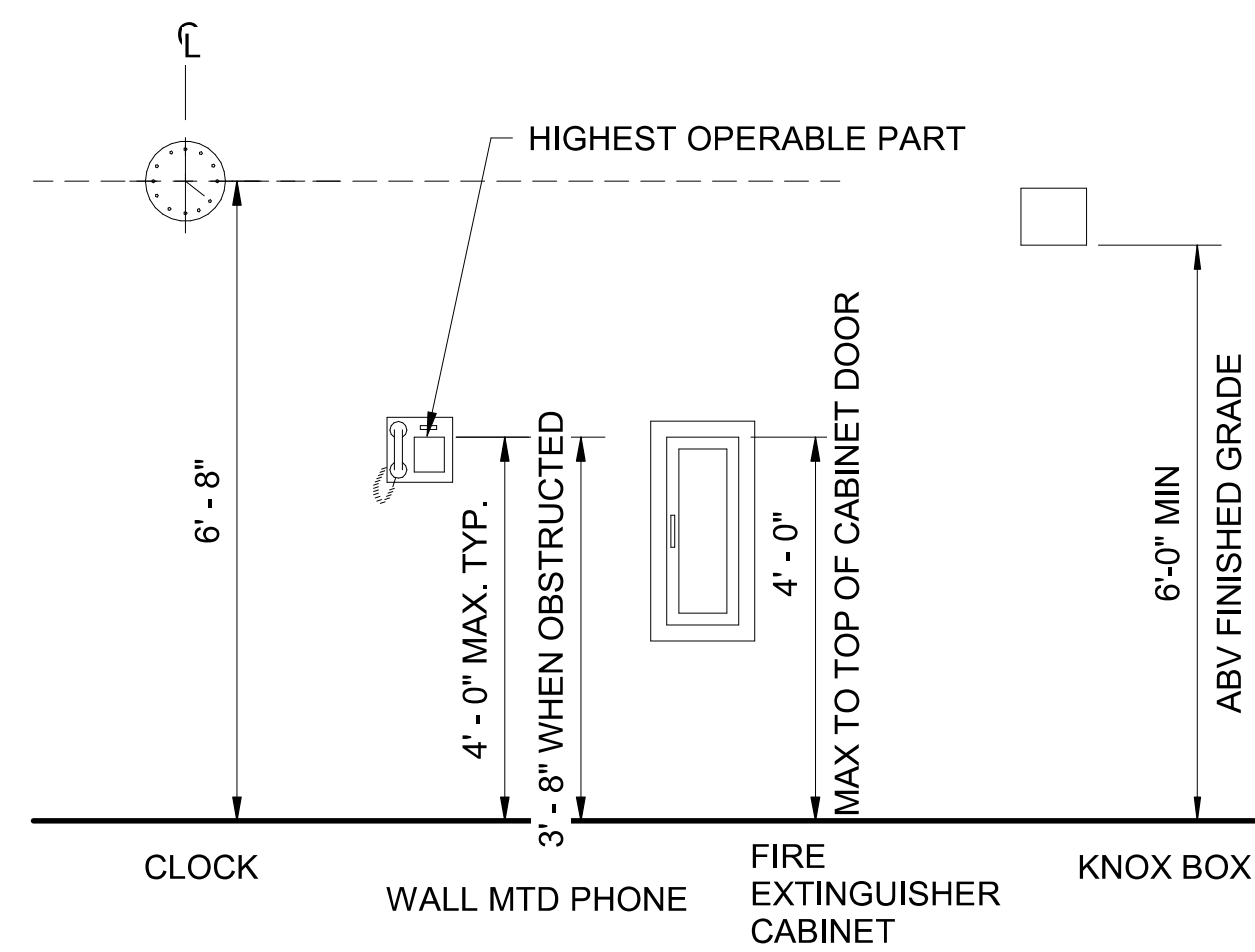
KNEE & TOE CLEARANCES

SCALE: 1 1/2" = 1'-0"



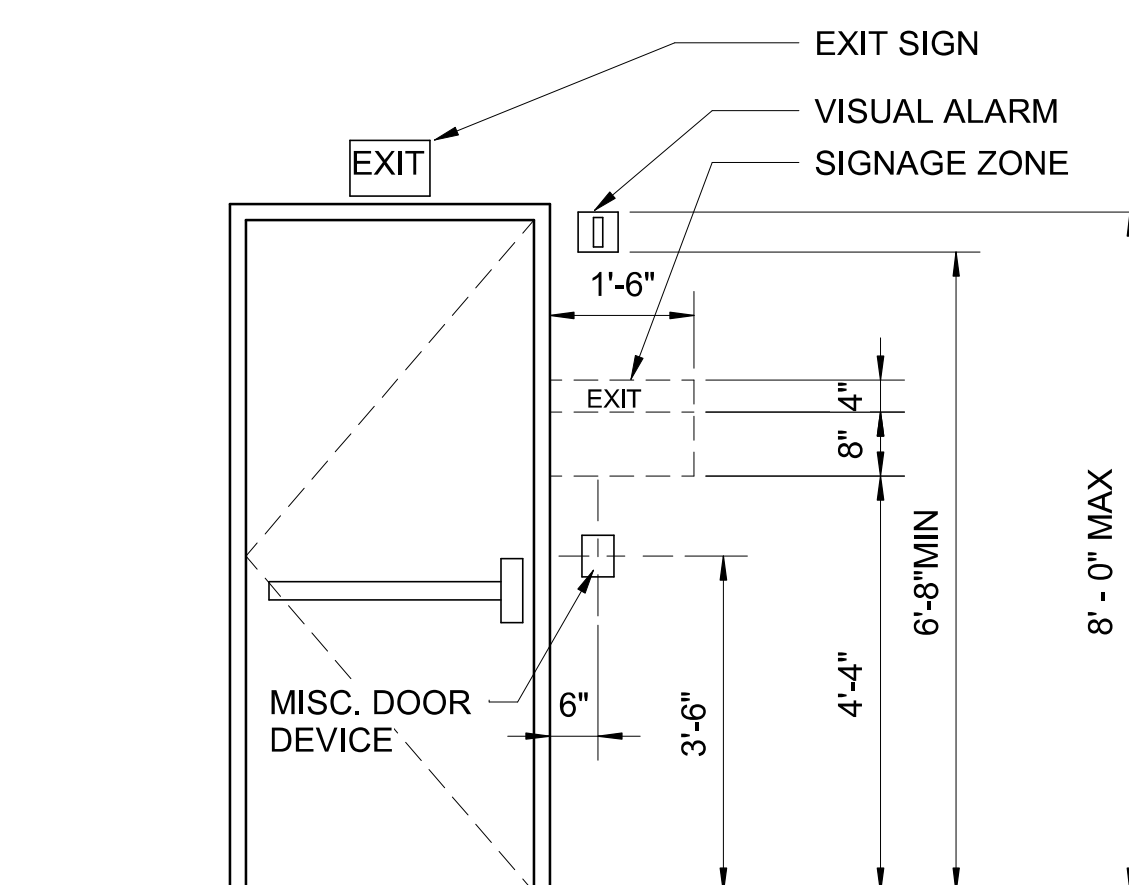
TYP MOUNTING HTS - DEVICES

SCALE: 1/2" = 1'-0"



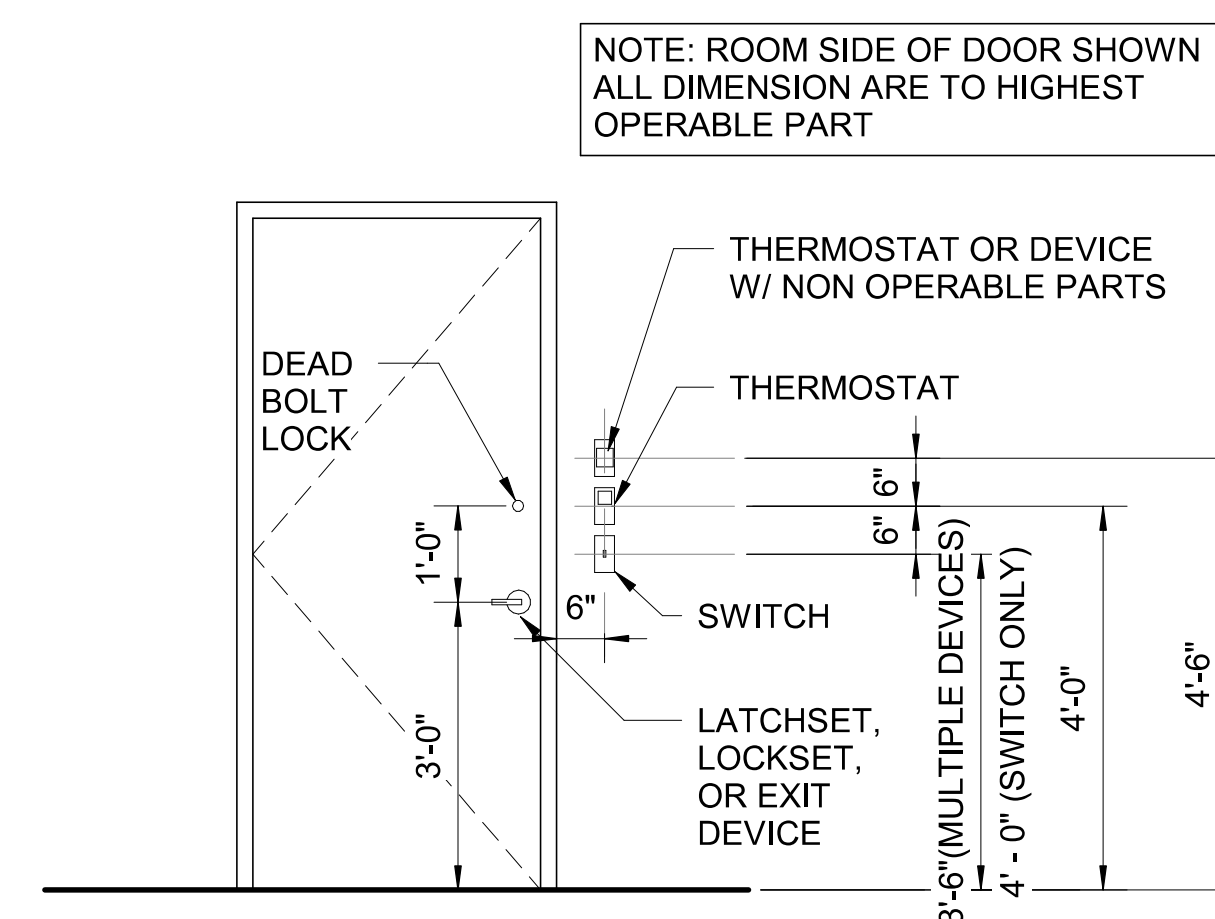
TYP MOUNTING HTS - MISC

SCALE: 1/2" = 1'-0"



TYP MOUNTING HTS @ EXIT DOOR

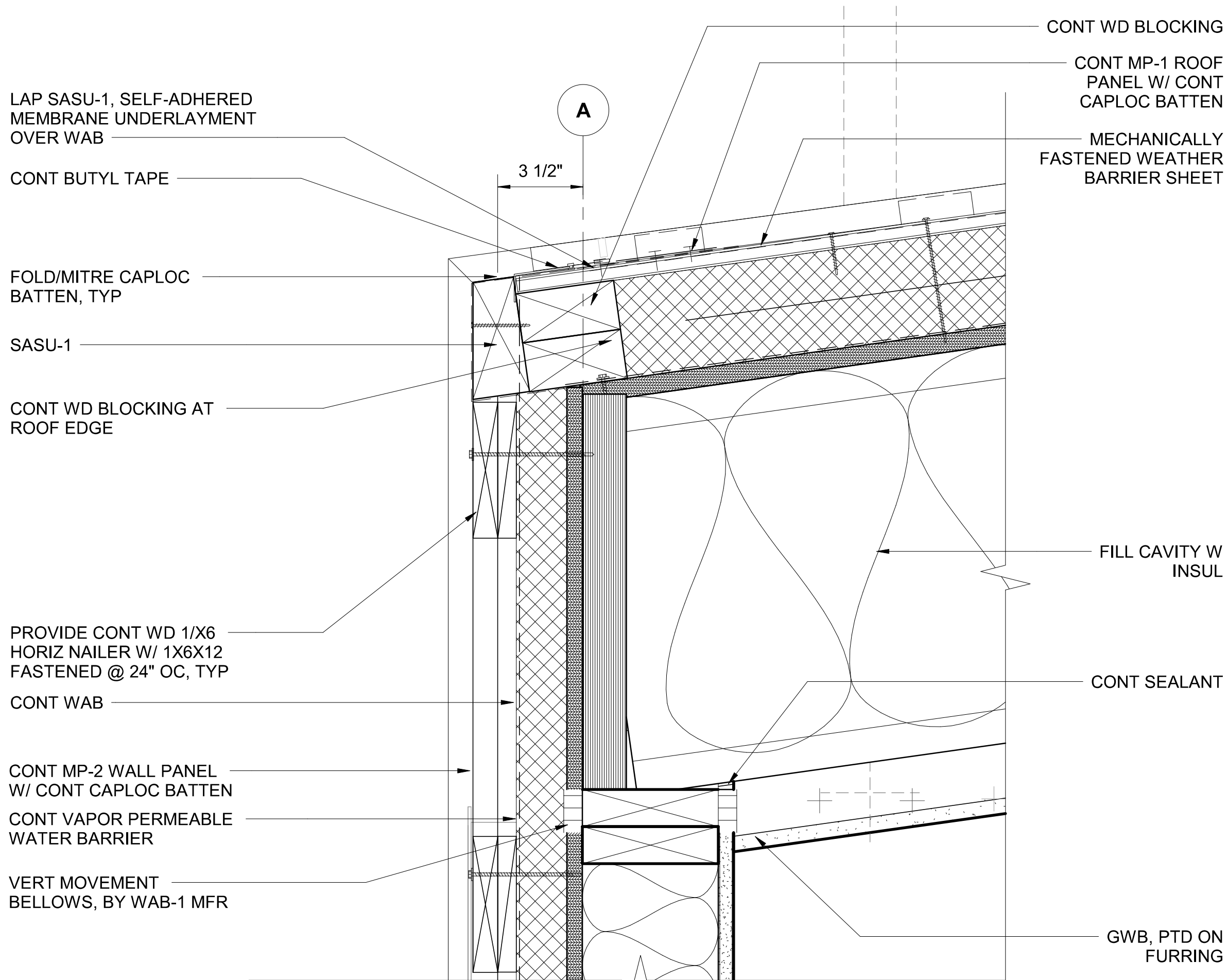
SCALE: 1/2" = 1'-0"



TYP MOUNTING HTS @ DOORS

SCALE: 1/2" = 1'-0"

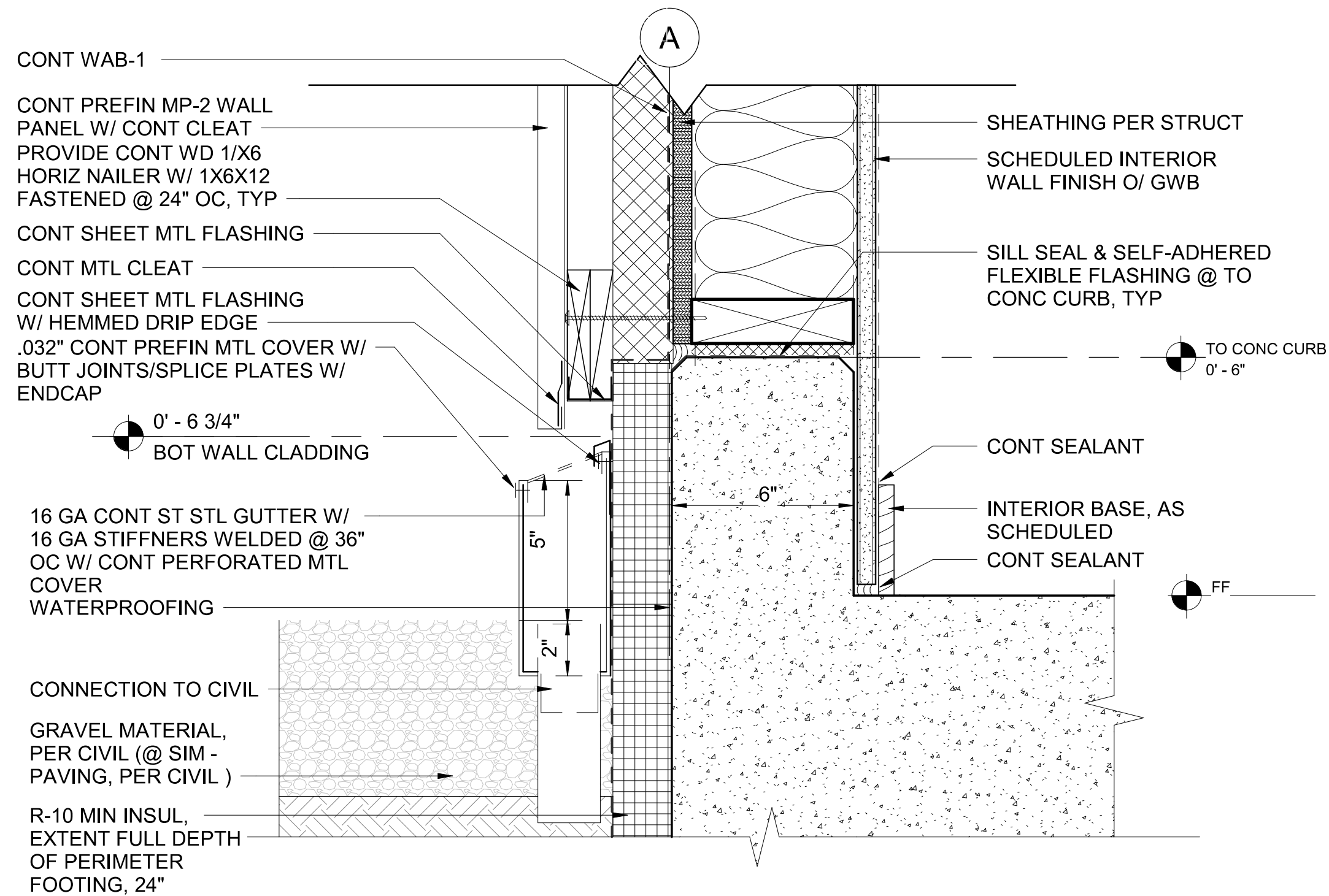
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ROOF EDGE - LOWER

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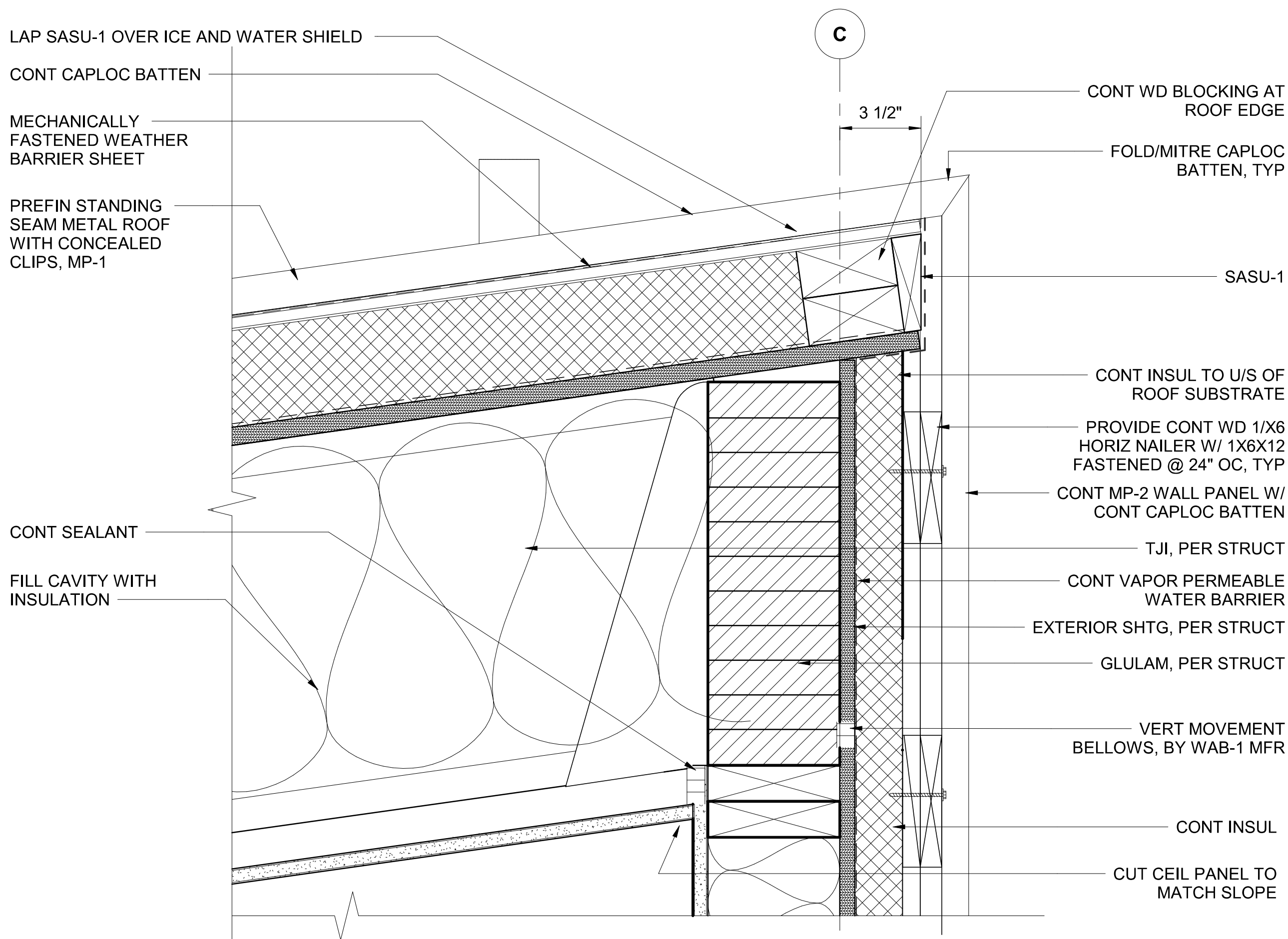
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A2.02



EXTERIOR FOUNDATION & GUTTER

SCALE: 3" = 1'-0"

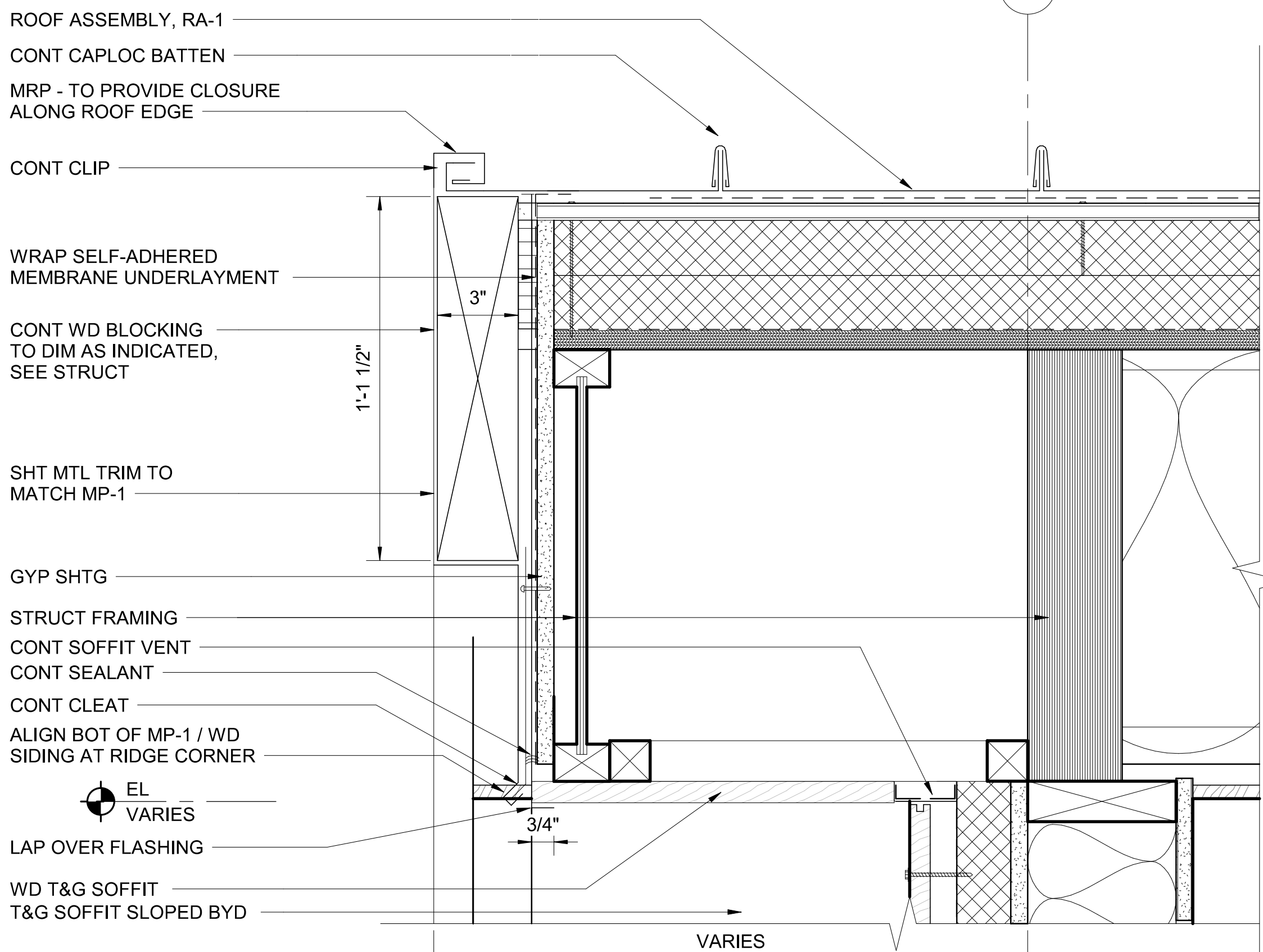
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A2.02



ROOF RIDGE - UPPER

SCALE: 3" = 1'-0"

3
A2.02



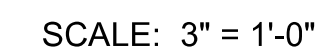
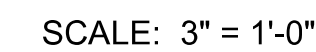
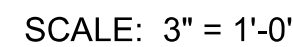
ROOF EAVE

SCALE: 3" = 1'-0"

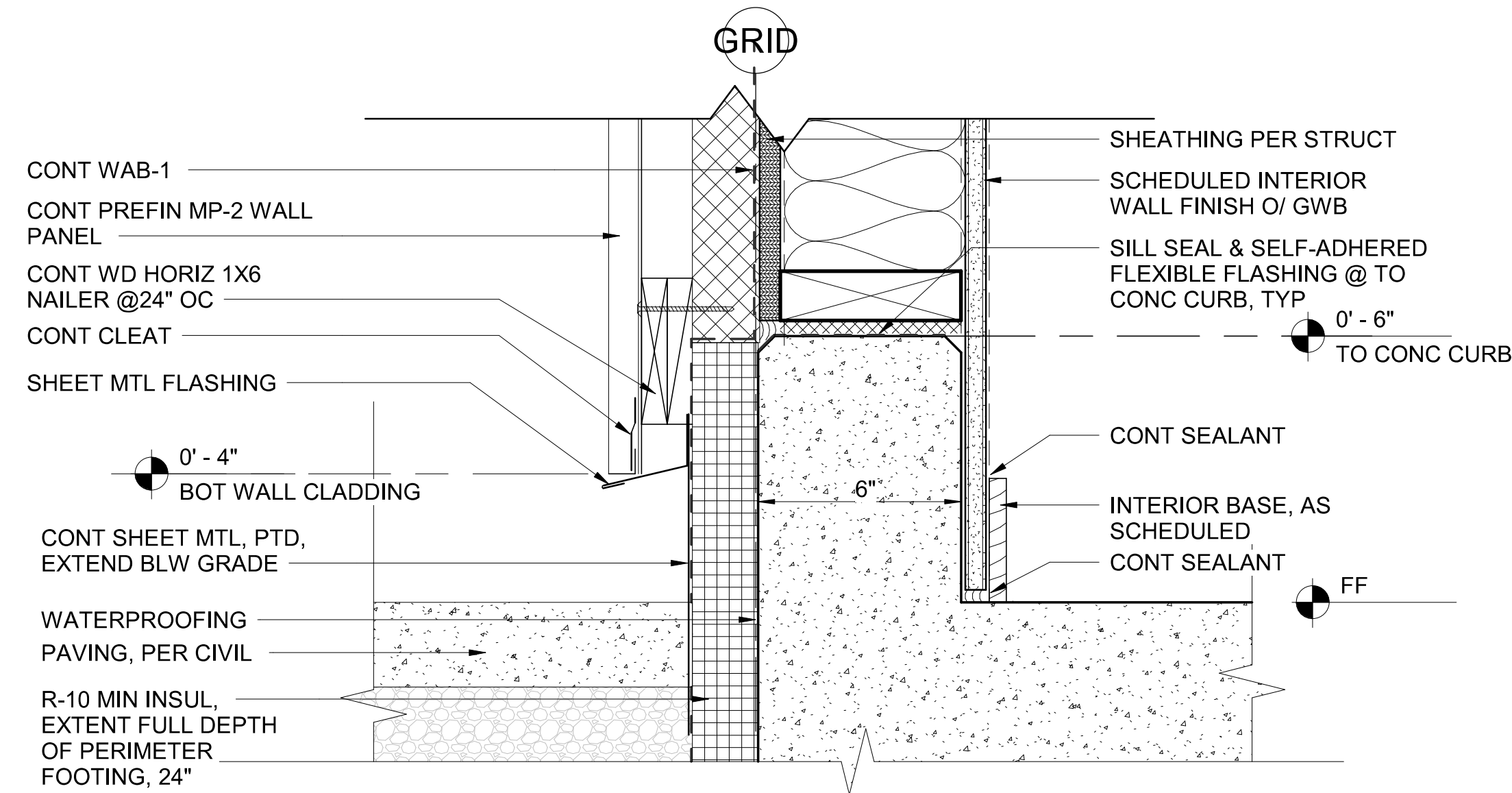
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A2.02

REVISED PERMIT/ISSUED FOR CONSTRUCTION

NO.	DATE	REVISION	ISSUED FOR CONSTRUCTION	REVISED PERMIT/ISSUED FOR CONSTRUCTION
0	12/13/2024			
1	6/2/2026			



A9.02

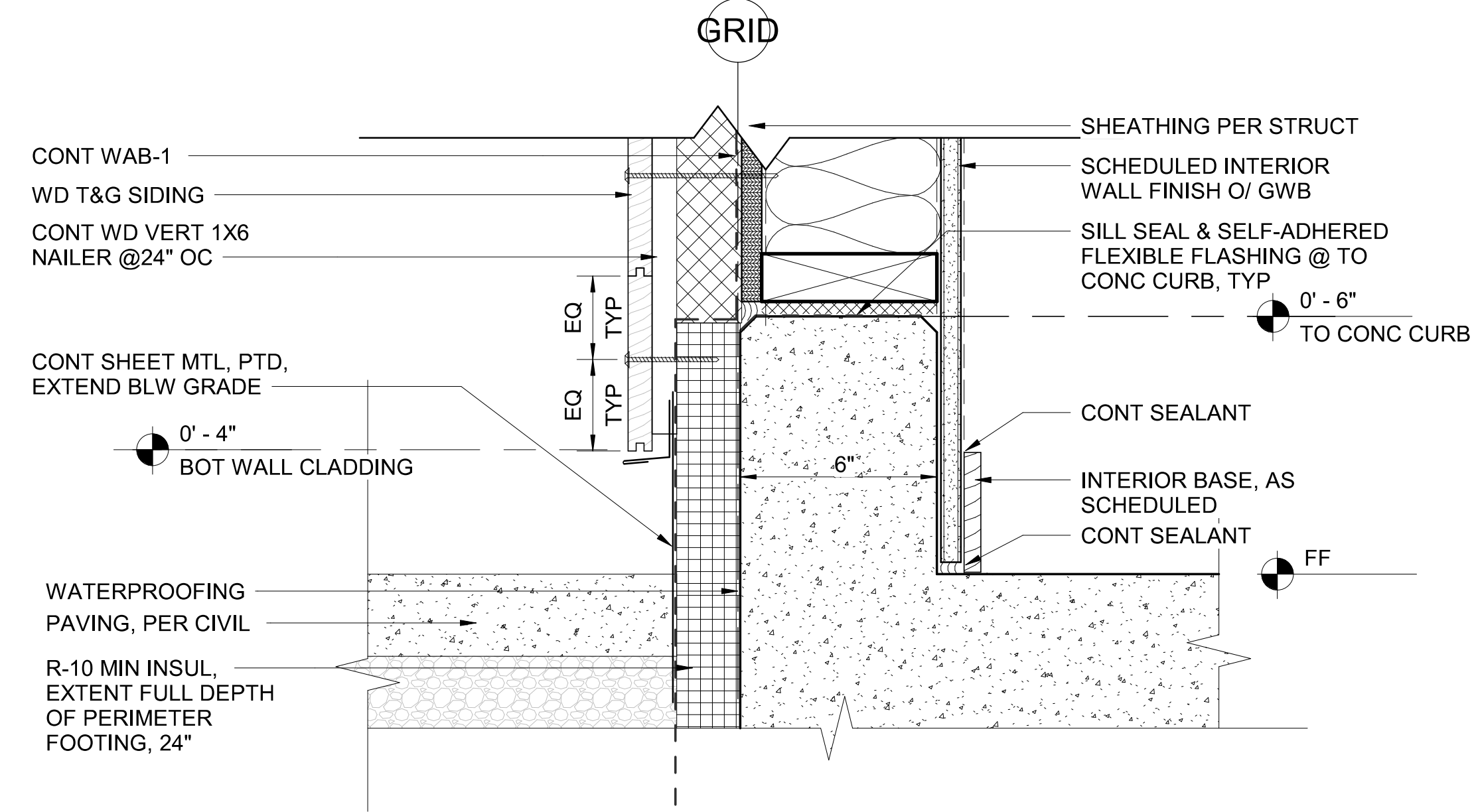


CLADDING TO FOUNDATION

SCALE: 3" = 1'-0"

1

A2.02



T&G TO FOUNDATION

SCALE: 3" = 1'-0"

12

A2.02

NO.	DATE	REVISION
0	12/13/2024	ISSUED FOR CONSTRUCTION
1	6/3/2026	REVISED PERMIT/ISSUED FOR CONSTRUCTION

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

FOUNDATION DETAILS

REVISÉ PERMIT/ISSUED FOR CONSTRUCTION

PROJECT NO.:	-
SCALE:	AS SHOWN
DATE:	12/13/2024
SHEET NO.	

A9.04

STRUCTURAL NOTES

DESIGN LOADS

ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION, AS AMENDED BY ISLAND COUNTY.

LIVE LOADS
IN ADDITION TO THE DEAD LOADS, THE FOLLOWING FLOOR LIVE LOADS WERE USED FOR DESIGN. LIVE LOAD REDUCTION IS PER IBC SECTION 1607.11.

		REDUCIBLE	UNREDUCIBLE
SIDEWALKS, DRIVEWAYS	250 PSF		X
OFFICES	50 PSF + 15 PSF PARTITION LOAD	X	
ROOF LIVE LOAD	20 PSF	X	
SOLAR INVERTERS	175 PSF		X

REFER TO TABLE 1607.1 IN THE IBC FOR RELEVANT CONCENTRATED LIVE LOADS.

PHOTOVOLTAIC PANEL SYSTEM ROOF DEAD LOAD
ROOF SUPERIMPOSED DEAD LOAD INCLUDES AN ALLOWANCE OF 5 PSF TO ACCOMMODATE ROOFTOP-MOUNTED PHOTOVOLTAIC PANEL AND RACK SUPPORT SYSTEMS.

ROOF SNOW LOAD
THE ROOF SNOW LOAD IS DETERMINED USING CHAPTER 7 OF ASCE 7 IN ACCORDANCE WITH IBC SECTION 1608 AND WITH THE FOLLOWING FACTORS:

MINIMUM DESIGN LOAD 25 PSF WITHOUT DRIFT	
P _g = 25 PSF	C _e = 1.0
I _s = 1.0	C _t = 1.0
P _f = 25 PSF	C _s = 1.0

SEISMIC LOADS
THE SEISMIC FORCE-RESISTING SYSTEM (SFRS) USED TO RESIST EARTHQUAKE AND WIND LOADS IS COMPRISED OF LIGHT FRAME WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF AWS SDPWS "SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC". EARTHQUAKE DESIGN IS BASED ON THE EQUIVALENT LATERAL FORCE PROCEDURE IN ASCE 7 SECTION 12.8 WITH THE FOLLOWING FACTORS:

SITE CLASS D	h _n = 14.5 FT
RISK CATEGORY II	T _n = 0.152 SECONDS
SEISMIC DESIGN CATEGORY N/A	R = 6.5
I _e = 1.000	Q = 3
S _s = 1.246 g	ρ = 1.3
S ₁ = 0.445 g	C _s = 0.153
S _{D5} = 0.997 g	V = C _s W = 1.9 KIPS
S _{D1} = N/A	
T _L = 6 SECONDS	

WIND LOADS
WIND LOAD IS DETERMINED USING CHAPTERS 26-31 OF ASCE 7 IN ACCORDANCE WITH IBC SECTION 1609 WITH THE FOLLOWING FACTORS:

RISK CATEGORY II	K _{zt} = 1.00
EXPOSURE CATEGORY C	K _e = 1.00
V = 98 MPH	G _{cp2} = ±0.18
V _{med} = 76 MPH	

DESIGN WIND PRESSURES FOR DETERMINING FORCES ON COMPONENTS AND CLADDING SHALL BE DETERMINED USING CHAPTER 30 OF ASCE 7 IN ACCORDANCE WITH IBC SECTION 1609 BY THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN OF SUCH ELEMENTS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

STORY DRIFTS
THE MAXIMUM LATERAL DISPLACEMENTS WITH RESPECT TO THE LEVEL BELOW (STORY DRIFTS) ARE AS FOLLOWS:

SEISMIC:
INELASTIC STORY DRIFT = 2% OF STORY HEIGHT
ELASTIC STORY DRIFT = INELASTIC STORY DRIFT DIVIDED BY C_d/I_{sa}, WHERE C_d/I_{sa} = 4

WIND:
STORY DRIFT = 0.25 % OF STORY HEIGHT

SOIL LOADS
ALLOWABLE SOIL-BEARING PRESSURE 1500 PSF DL + LL
2000 PSF DL + LL + SEISMIC/WIND

GENERAL NOTES

SUBMITTALS
SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO ANY FABRICATION OR CONSTRUCTION FOR ALL STRUCTURAL ITEMS, INCLUDING THE FOLLOWING: CONCRETE REINFORCEMENT, EMBEDDED STEEL ITEMS, STRUCTURAL STEEL, WOOD ROOF FRAMING, GLUED-LAMINATED MEMBERS, CLADDING PANELS AND STAIRS.

IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN.

DEFERRED SUBMITTALS
PER IBC SECTION 107.3.4.1, DRAWINGS AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS SHALL BEAR THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN AND SHALL BE SUBMITTED TO THE ARCHITECT AND THE BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION. DEFERRED SUBMITTALS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

SEISMIC DESIGN OF NONSTRUCTURAL COMPONENTS
SUSPENDED CEILINGS
ALTERNATE ANCHORS (WHEN ALTERNATE ANCHORS ARE PROPOSED)
NON-STRUCTURAL PARTITION WALLS

NONSTRUCTURAL COMPONENTS
DESIGN, DETAILING AND ANCHORAGE OF ALL NONSTRUCTURAL COMPONENTS SHALL BE IN ACCORDANCE WITH IBC SECTION 1613, ASCE 7 CHAPTER 13, AND THE PROJECT SPECIFICATIONS. NONSTRUCTURAL COMPONENTS DESIGNED BY OTHERS SHALL NOT INDUCE TORSIONAL LOADING INTO SUPPORTING STRUCTURAL MEMBERS WITHOUT ADDITIONAL BRACING OF THOSE MEMBERS TO ELIMINATE TORSIONAL FORCES. TORSIONAL BRACING SHALL BE DESIGNED BY THE NONSTRUCTURAL COMPONENT DESIGNER AND APPROVED BY THE ENGINEER.

DESIGN, DETAILING AND CONSTRUCTION OF ALL NONSTRUCTURAL COMPONENTS WHICH ATTACH TO STRUCTURE SHALL ACCOMMODATE CONSTRUCTION TOLERANCES AS ESTABLISHED BY THE STRUCTURAL SPECIFICATIONS. ANY NONSTRUCTURAL COMPONENTS WHICH ATTACH TO MORE THAN ONE LEVEL OF THE STRUCTURE SHALL ALSO ACCOMMODATE THE FOLLOWING RELATIVE MOVEMENTS BETWEEN LEVELS WITHOUT DAMAGE TO THE NONSTRUCTURAL COMPONENTS:

VERTICAL DEFLECTION OF +0.5/-1.5 INCH DUE TO VARIABLE LIVE LOADS
ELASTIC STORY DRIFT PER "STORY DRIFT" SECTION ABOVE

INSPECTION
SPECIAL INSPECTION PER IBC CHAPTER 17 SHALL BE PERFORMED BY AN APPROVED TESTING AGENCY AS INDICATED IN THE STATEMENT OF SPECIAL INSPECTIONS AND TESTING.

SPECIAL CONDITIONS
CONTRACTOR SHALL VERIFY ALL LEVELS, DIMENSIONS, AND EXISTING CONDITIONS IN THE FIELD BEFORE PROCEEDING. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR FIELD CHANGES PRIOR TO INSTALLATION OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE DRAWINGS, THE CONTRACTOR SHALL OBTAIN DIRECTION FROM THE RESIDENT ENGINEER BEFORE PROCEEDING. DIMENSIONS NOTED AS PLUS OR MINUS (+) INDICATE UNVERIFIED DIMENSIONS AND ARE APPROXIMATE. NOTIFY RESIDENT ENGINEER IMMEDIATELY OF CONFLICTS OR EXCESSIVE VARIATIONS FROM INDICATED DIMENSIONS. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS--DO NOT SCALE DRAWINGS.

CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL MEMBERS, EXISTING CONSTRUCTION AND SOIL EXCAVATIONS, AS REQUIRED, AND IN A MANNER SUITABLE TO THE WORK SEQUENCE. TEMPORARY SHORING AND BRACING SHALL NOT BE REMOVED UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND MATERIALS HAVE ACHIEVED DESIGN STRENGTH.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK.

SOILS
ALLOWABLE SOIL BEARING PRESSURE IS BASED ON IBC PRESUMPTIVE LOAD-BEARING VALUES FOR CLASS 5 MATERIALS, EARTHWORK MATERIAL, BACKFILL AND COMPACTION. BACKFILL BEHIND WALLS SHALL NOT BE PLACED BEFORE THE WALLS AND SUPPORTING SLABS ACHIEVE 28 DAY CONCRETE STRENGTH OR THE WALLS ARE TEMPORARILY BRACED. ALL TOPSOIL, ORGANICS AND LOOSE SURFACE SOIL SHALL BE REMOVED FROM BENEATH FILL SUPPORTING CONCRETE SLABS OR PAVING.

CONCRETE

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF IBC CHAPTER 19.

CONCRETE MIXTURES
CONCRETE MIXTURES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

CONCRETE MIXTURES						
f'c (PSI)	TEST AGE (DAYS)	EXPOSURE CLASS				USE
		F	S	W	C	
3,000	28	F0	S0	W0	C0	INTERIOR SLAB-ON-GRADE
4,000	28	F1	S0	W0	C1	FOUNDATIONS

CONCRETE MIXTURES SHALL CONFORM TO THE MOST STRINGENT REQUIREMENTS FOR EXPOSURE CLASSES SPECIFIED IN THE TABLE ABOVE AND ACI 318 TABLE 19.3.2.1.

WATER-REDUCING ADMIXTURES MAY BE INCORPORATED IN CONCRETE MIX DESIGNS, BUT SHALL CONFORM TO ASTM C 494, AND BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CaCl2 OR OTHER WATER-SOLUBLE CHLORIDE ADMIXTURES SHALL NOT BE USED.

WATER/CEMENTITIOUS MATERIALS RATIO SHALL BE MEASURED BY WEIGHT AND SHALL BE BASED ON THE TOTAL CEMENTITIOUS MATERIAL. WATER/CEMENTITIOUS MATERIALS RATIO AND WATER CONTENT SHALL BE DETERMINED BY THE SUPPLIER BASED ON STRENGTH REQUIREMENTS AND SHALL NOT EXCEED THE MAXIMUM WATER/CEMENTITIOUS MATERIAL RATIO AND/OR WATER CONTENT IF SHOWN ABOVE OR IN ACI 318 TABLE 19.3.2.1 FOR THE EXPOSURE CLASSES LISTED.

FIELD-MEASURED SLUMP SHALL CONFORM TO THE SUBMITTED CONCRETE MIX DESIGN. TOLERANCE OF SLUMP SHALL CONFORM TO ASTM C 94.

ALL CONCRETE SUBJECT TO EXPOSURE CLASSES F1, F2 OR F3 SHALL BE AIR ENTRAINED. AIR-ENTRAINING AGENTS SHALL CONFORM TO ASTM C 260. THE PERCENTAGE OF TOTAL AIR SHALL BE ACCORDING TO ACI 318 TABLE 19.3.3.1 WITH A FIELD TOLERANCE OF ±1.5 PERCENT BY VOLUME. THE PERCENTAGE OF TOTAL AIR SHALL BE MEASURED IN THE FIELD AT THE DISCHARGE FROM THE TRUCK.

THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR APPROVAL 2 WEEKS PRIOR TO PLACING ANY CONCRETE. THE MIX DESIGN SHALL BE IN CONFORMANCE WITH ACI 318, CHAPTER 19. THE SUBMITTAL SHALL INDICATE WHERE EACH CONCRETE MIX IS TO BE USED ON THE PROJECT, AS WELL AS THE MAXIMUM AGGREGATE SIZE OF EACH MIX. MAXIMUM AGGREGATE SIZE SHALL CONFORM TO THE PROJECT SPECIFICATIONS.

CURING
IF THE AIR TEMPERATURE WILL EXCEED 75 DEGREES F WITHIN 48 HOURS OF PLACING CONCRETE, A MOIST CURE SHALL BE APPLIED TO THE CONCRETE FOR A PERIOD OF 36 HOURS AFTER FINISHING CONCRETE SURFACES. REFER TO THE PROJECT SPECIFICATIONS FOR CURING REQUIREMENTS.

REINFORCING STEEL
DEFORMED BARS ASTM A 615, GRADE 60

REINFORCING SHALL BE SUPPORTED AS SPECIFIED BY THE PROJECT SPECIFICATIONS AND THE CRSI MANUAL OF STANDARD PRACTICE. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI STANDARD OF PRACTICE AS OUTLINED IN ACI 315, "GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS".

LAP ALL REINFORCING BARS AS NOTED ON THE DRAWINGS. WHERE SPLICE LENGTH IS NOT SHOWN, USE TYPE Ld (Ld FOR TOP BARS) SPLICE PER DEVELOPMENT AND SPLICE LENGTH SCHEDULE.

REINFORCING STEEL SHALL HAVE PROTECTION AS FOLLOWS, UNLESS NOTED OTHERWISE:

USE	COVER PER DETAILS
NONSTRUCTURAL SLAB-ON-GRADE	1 1/2" (#6 AND SMALLER)
STEM WALL BARS: EXPOSED TO EARTH OR WEATHER	2" (#6 AND LARGER)
	3" (CAST AGAINST EARTH)
FOOTING, BOTTOM BARS	1 1/2"
TOP BARS	2"
SIDE BARS	

ANCHORS

POST-INSTALLED ANCHORS
PROVIDE POST-INSTALLED ANCHORS AS SPECIFIED IN THESE DRAWINGS.

ADHESIVE REINFORCING DOWEL MATERIALS
ADHESIVE REINFORCING DOWELS (ARD) ASTM A 615, GRADE 60
THREADED ARD ASTM F 1554, GRADE 36 (CARBON STEEL)

ANCHOR EMBEDMENT DEPTHS LISTED SHALL BE CONSIDERED EFFECTIVE EMBEDMENT DEPTHS AS DEFINED IN THE ICC-ES OR IAPMO UES EVALUATION REPORTS. PROVIDE ANCHOR LENGTH AND HOLE PER EVALUATION REPORT TO ACCOMMODATE THE EFFECTIVE EMBEDMENT SPECIFIED IN THESE DRAWINGS. SEE DETAIL 6/S4.01.

DO NOT DAMAGE EXISTING REINFORCEMENT. IF LOCATION OF REINFORCEMENT IS UNKNOWN, SCAN FOR EXISTING REINFORCING STEEL PRIOR TO DRILLING.

USE OF ALTERNATE PRODUCTS, OR OF POST-INSTALLED ANCHORS AT LOCATIONS NOT SHOWN IN THESE DRAWINGS, IS SUBJECT TO THE APPROVAL OF THE RESIDENT ENGINEER. SUBMIT PROPOSED ANCHORS TO THE RESIDENT ENGINEER WITH AN ICC-ES OR IAPMO UES REPORT VALID FOR THE 2018 IBC AND DOCUMENTATION SHOWING THAT THE ALTERNATE PRODUCTS PROVIDE EQUIVALENT CAPACITY FOR ALL CONDITIONS IN THIS PROJECT. SUBMITTED ICC-ES AND IAPMO UES REPORTS SHALL DEMONSTRATE THAT THE ANCHORS ARE SUITABLE FOR USE IN CRACKED CONCRETE. WHERE ANCHORS RESIST SEISMIC LOADS OR SUSTAINED TENSION, SUBMITTED ICC-ES AND IAPMO UES REPORTS SHALL DEMONSTRATE THAT THE ANCHORS ARE SUITABLE FOR THE RESISTANCE OF SEISMIC LOADS OR SUSTAINED TENSION (AS APPLICABLE). DOCUMENTATION OF CAPACITY FOR ALTERNATE PRODUCTS MUST BE INCLUDED AS A DEFERRED SUBMITTAL.

ADHESIVES SHALL NOT BE INSTALLED PRIOR TO THE CONCRETE REACHING AN AGE OF 21 DAYS AS REQUIRED BY ACI 318.

WOOD

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

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

USE	GRADE	F _b (PSI) (SINGLE
WALL STUDS, PLATES, BLOCKING, ETC		
2" TO 4" THICK	DOUGLAS FIR-LARCH NO. 2 OR HEM-FIR NO. 2	850 850

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

TYPE	MODULUS OF ELASTICITY (PSI)	ALLOWABLE FLEXURAL STRESS (PSI)
PSL (COL)	1,800,000	2,400
PSL (BEAM)	2,000,000	2,900
LVL	2,000,000	2,600
LSL	1,300,000	1,700
LSL	1,550,000	2,325

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

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

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

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

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

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

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

SHEAR WALL SHEATHING
15/32 CATEGORY APA RATED SHEATHING, 32/16, EXPOSURE 1

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

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

ALL FRAMING NAILS SHALL HAVE THE SIZE AND MINIMUM LENGTH AS SPECIFIED IN THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE. NAIL TYPE SHALL BE COMMON UNLESS NOTED OTHERWISE. POWER-DRIVEN NAILS AND STAPLES SHALL BE IN ACCORDANCE ICC-ES ESR-1539. NAILING NOT SHOWN SHALL BE AS INDICATED IN IBC TABLE 2304.10.1. SEE 1/S6.02 AND 5/S6.02 FOR NAIL SIZES AT SHEAR WALL AND ROOF/FLOOR DIAPHRAGM SHEATHING, RESPECTIVELY.

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

POWER-DRIVEN NAILS MAY BE SUBSTITUTED FOR COMMON NAILS AT SPACING AS SHOWN IN DETAIL 11/S6.01.

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

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

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

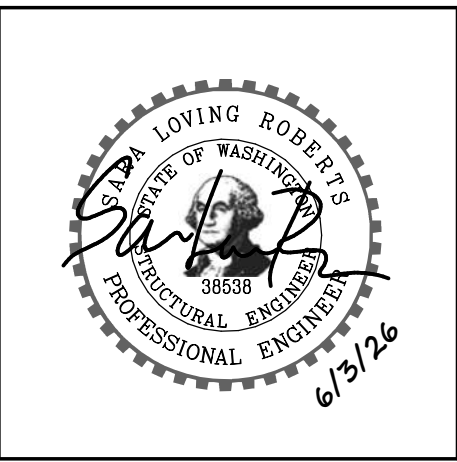
WOOD SHRINKAGE
THE ARCHITECTURAL, PLUMBING, ELECTRICAL, MECHANICAL, AND FIRE PROTECTION SYSTEMS SHALL BE DESIGNED TO ACCOUNT FOR THE CUMULATIVE VERTICAL SHRINKAGE DUE TO LUMBER DRYING AND CRUSHING DUE TO THE BUILDING SELF-WEIGHT. LUMBER DRYING SHRINKAGE IS BASED ON A MOISTURE CONTENT AT THE TIME OF PLACEMENT EQUAL TO 19% AND A FINAL MOISTURE CONTENT OF 9%.

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

DRAWING LIST

S0.01	STRUCTURAL NOTES AND DRAWING LIST
S0.02	SPECIAL INSPECTIONS SCHEDULE, STRUCTURAL ABBREVIATIONS AND SYMBOLS
S1.01	FOUNDATION AND ROOF PLANS
S4.01	TYPICAL CONCRETE DETAILS
S6.01	TYPICAL WOOD DETAILS
S6.02	TYPICAL WOOD DETAILS
S6.03	TYPICAL WOOD DETAILS

REVISED PERMIT / ISSUE FOR CONSTRUCTION



NO.	DATE	REVISION	ISSUE FOR CONSTRUCTION	REVISED PERMIT/ISSUED FOR CONSTRUCTION
0	12/13/2024			
1	6/9/2026			

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

STRUCTURAL NOTES AND DRAWING LIST

PROJECT NO.: 2200478
SCALE: AS SHOWN
DATE: 12/13/24
SHEET NO.

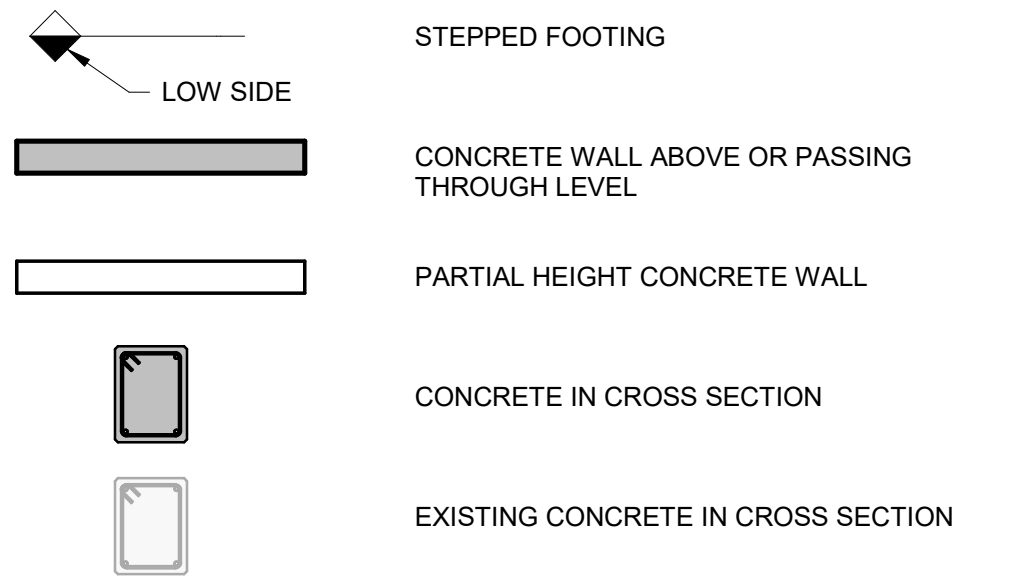
S0.01

STRUCTURAL ABBREVIATIONS

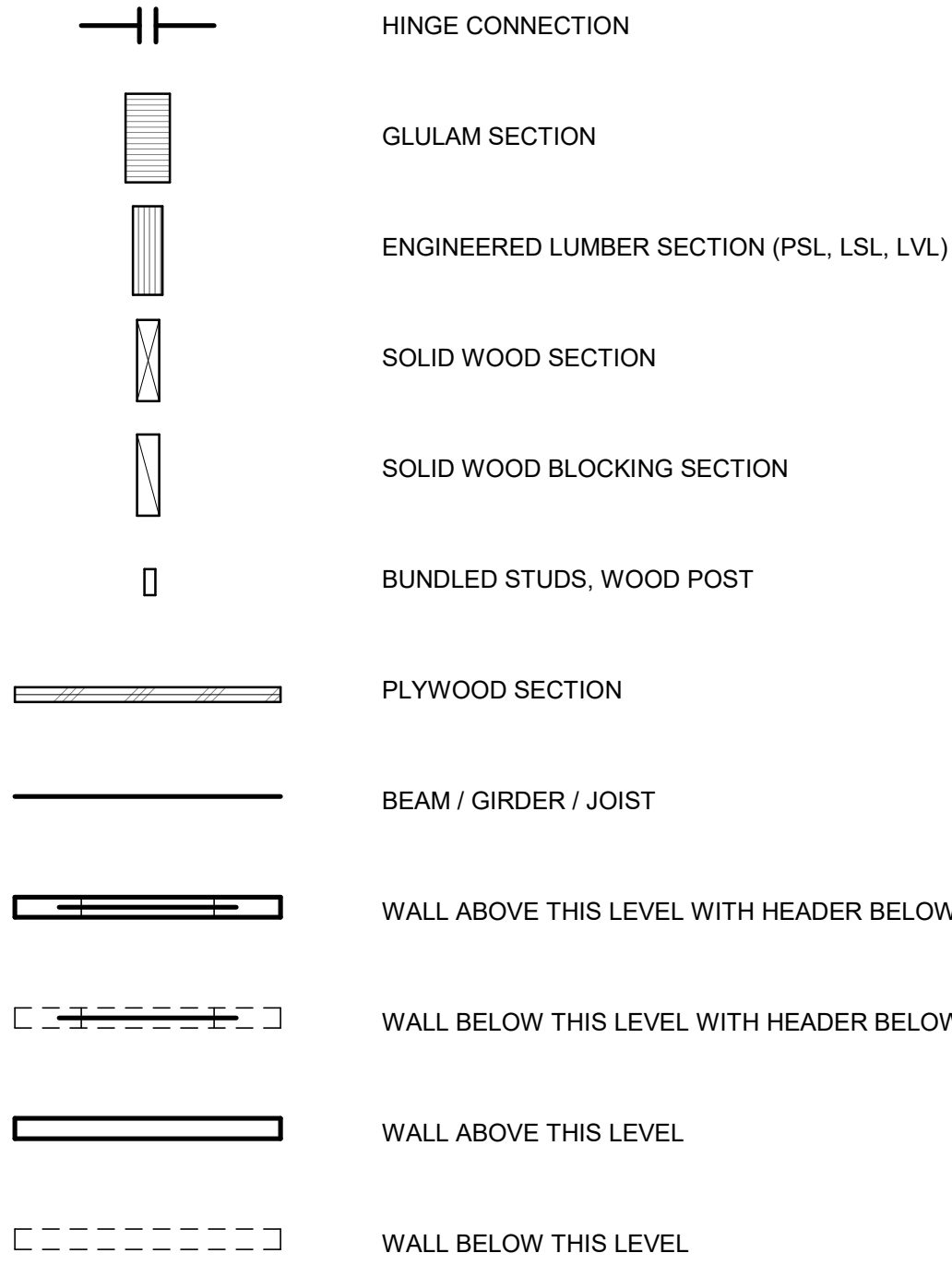
AB	ANCHOR BOLT	MIN	MINIMUM
ADD'L	ADDITIONAL	MISC	MISCELLANEOUS
ADH	ADHESIVE	NO	NUMBER
ADJ	ADJUSTABLE	NOM	NOMINAL
AGG	AGGREGATE	NS	NEAR SIDE
ANCH	ANCHOR	NTS	NOT TO SCALE
ARCH	ARCHITECTURAL	OC	ON CENTER
ARD	ADHESIVE REINFORCING DOWEL	OD	OUTSIDE DIAMETER
B/	BOTTOM OF	OF	OUTSIDE FACE
BLDG	BUILDING	OPNG	OPENING
BLKG	BLOCKING	OPP	OPPOSITE
BM	BEAM	P	POST
BN	DIAPHRAGM BOUNDARY NAILING	PC	PIECE
BOT	BOTTOM	PL	PLATE
BRG	BEARING	PLWD	PLYWOOD
BTWN	BETWEEN	PNL	PANEL
CAP	CAPACITY	PSF	POUNDS PER SQUARE FOOT
CC	CENTER TO CENTER	PSI	POUNDS PER SQUARE INCH
CDF	CONTROLLED DENSITY FILL	PT	PRESERVATIVE-TREATED
CIP	CAST-IN-PLACE	REINF	REINFORCING
CJ	CONSTRUCTION OR CONTROL JOINT	REM	REMAIN(DER)
CL	CENTERLINE	REQ'D	REQUIRED
CLG	CEILING	RND	ROUND
CLR	CLEAR	RO	ROUGH OPENING
CLT	CROSS-LAMINATED TIMBER	SCHED	SCHEDULE
COL	COLUMN	SECT	SECTION
CONC	CONCRETE	SFRS	SEISMIC FORCE-RESISTING SYSTEM
CONN	CONNECTION	SHTG	SHEATHING
CONST	CONSTRUCTION	SIM	SIMILAR
CONT	CONTINUOUS	SOG	SLAB-ON-GRADE
CONTY	CONTINUITY	SPEC	SPECIFICATION
COORD	COORDINATE	STD	STANDARD
CTR	CENTER	STIRR	STIRRUP
CY	CUBIC YARD	STRUCT	STRUCTURAL
DB	DIVIDER BEAM	SUPP	SUPPORT
DBA	DEFORMED BAR ANCHOR	SYM	SYMMETRICAL
DBL	DOUBLE	T&B	TOP AND BOTTOM
DEMO	DEMOLISH	T&G	TONGUE AND GROOVE
DET	DETAIL	T/	TOP OF
DF	DOUGLAS FIR	THK	THICK(NESS)
DIA	DIAMETER	THRU	THROUGH
DIAG	DIAGONAL	TRANS	TRANSVERSE
DKG	DECKING	TYP	TYPICAL
DN	DOWN	UNO	UNLESS NOTED OTHERWISE
DO	DITTO	VERT	VERTICAL
DWG	DRAWING	VIF	VERIFY IN FIELD
DWL	DOWEL	W/	WITH
EA	EACH	W/O	WITHOUT
EF	EACH FACE	WD	WOOD
EL	ELEVATION	WHS	WELDED HEADED STUD
ELECT	ELECTRICAL	WSBC	WASHINGTON STATE BUILDING CODE
ELEV	ELEVATOR		
EN	PANEL EDGE NAILING		
EQ	EQUAL		
EQUIP	EQUIPMENT		
ES	EACH SIDE		
EW	EACH WAY		
EX	EXISTING		
EXP	EXPANSION		
EXT	EXTERIOR		
FD	FLOOR DRAIN		
FDN	FOUNDATION		
FF	FINISH FLOOR		
FIN	FINISH		
FLG	FLANGE		
FLR	FLOOR		
FOB	FACE OF BUILDING		
FS	FAR SIDE		
FT	FEET		
FTG	FOOTING		
GA	GAUGE		
GALV	GALVANIZED		
GEN	GENERAL		
GL	GLUED LAMINATED TIMBER		
GR	GRADE		
GWB	GYPSUM WALL BOARD		
HF	HEM-FIR		
HGR	HANGER		
HORIZ	HORIZONTAL		
HP	HIGH POINT		
IBC	INTERNATIONAL BUILDING CODE		
ID	INSIDE DIAMETER		
IE	INVERT ELEVATION		
IF	INSIDE FACE		
IN	INCH		
INFO	INFORMATION		
INT	INTERIOR		
KSF	KIPS PER SQUARE FOOT		
LF	LINEAL FOOT		
LFH	LONG FACE HORIZONTAL		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		
LNGT	LONGITUDINAL		
LP	LOW POINT		
LSL	LAMINATED STRAND LUMBER		
LVL	LAMINATED VENEER LUMBER		
MAX	MAXIMUM		
MECH	MECHANICAL		
MFR	MANUFACTURER		

STRUCTURAL DRAWING SYMBOLS

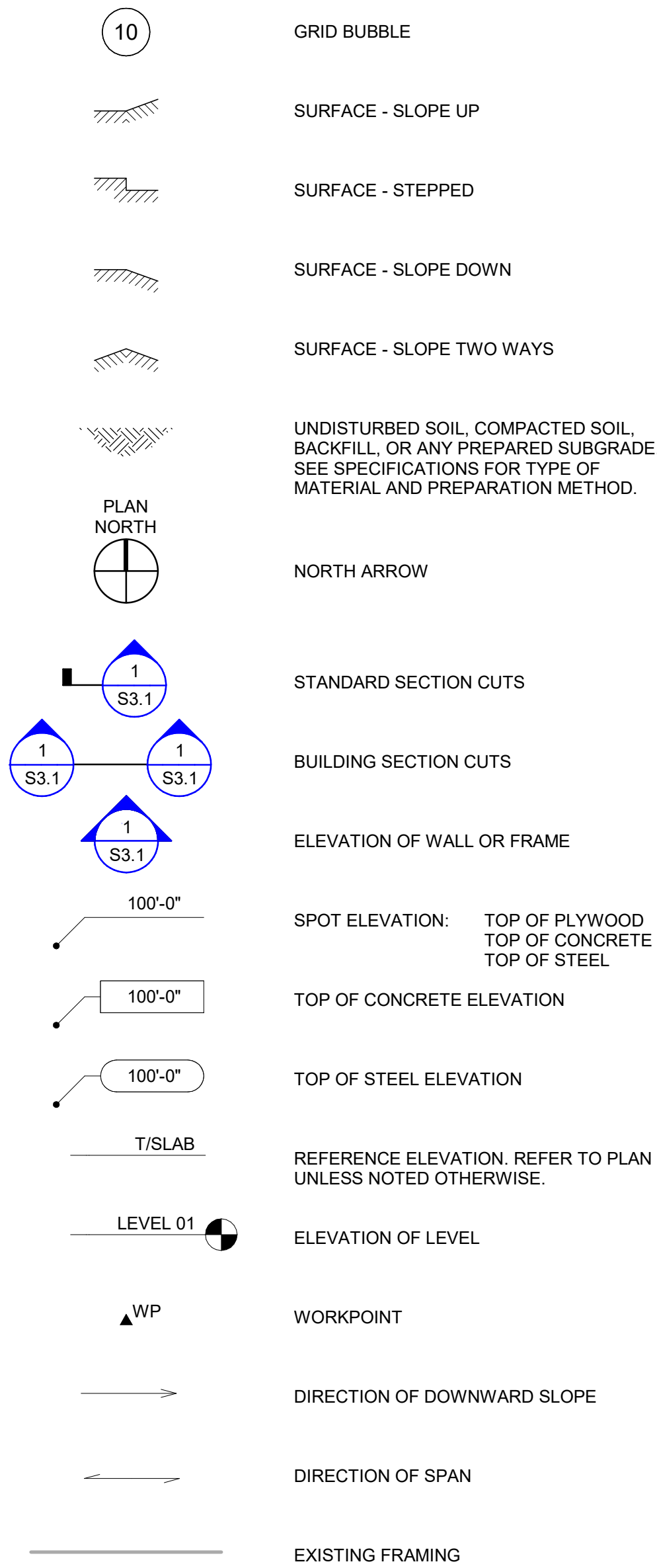
CONCRETE SYMBOLS



WOOD SYMBOLS



GENERAL SYMBOLS



SPECIAL INSPECTIONS AND TESTING SCHEDULE

ESTABLISHED PER IBC 2018 SECTION 109 AND CHAPTER 17	
ITEM	COMMENTS
INSPECTION IN FABRICATION SHOP	
CONCRETE	-
POST-INSTALLED ADHESIVE ANCHORS	ALL ANCHORS TO BE VISUALLY INSPECTED
POST-INSTALLED MECHANICAL ANCHORS	ALL ANCHORS TO BE VISUALLY INSPECTED
EMBEDDED PLATES AND ANCHORS CAST IN CONCRETE	ALL ANCHORS TO BE VISUALLY INSPECTED
WOOD	-
PREFABRICATED STRUCTURAL ELEMENTS	-
SEISMIC RESISTANCE	-
SEISMIC - WOOD	-
NONSTRUCTURAL FOR SEISMIC RESISTANCE	-
ARCHITECTURAL COMPONENTS	-
MECHANICAL COMPONENTS	-
ELECTRICAL COMPONENTS	-

SPECIAL INSPECTIONS AND TESTING NOTES:
1. INSPECTION REQUIREMENTS FOR SYSTEMS DESIGNED BY OTHERS SHALL BE DEFINED BY THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY TO ALL BIDDER-DESIGNED COMPONENTS.



NO.	DATE	REVISION	ISSUE FOR CONSTRUCTION	REVISED PERMIT/ISSUED FOR CONSTRUCTION
0	12/13/2024			
1	6/2/2026			

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282
SPECIAL INSPECTIONS SCHEDULE, STRUCTURAL
ABBREVIATIONS AND SYMBOLS

PROJECT NO.:	2200478
SCALE:	AS SHOWN
DATE:	12/13/24
SHEET NO.	

S0.02

REVISED PERMIT / ISSUE FOR CONSTRUCTION

1 FOUNDATION PLAN

1/4" = 1'-0"

GENERAL PLAN NOTES:

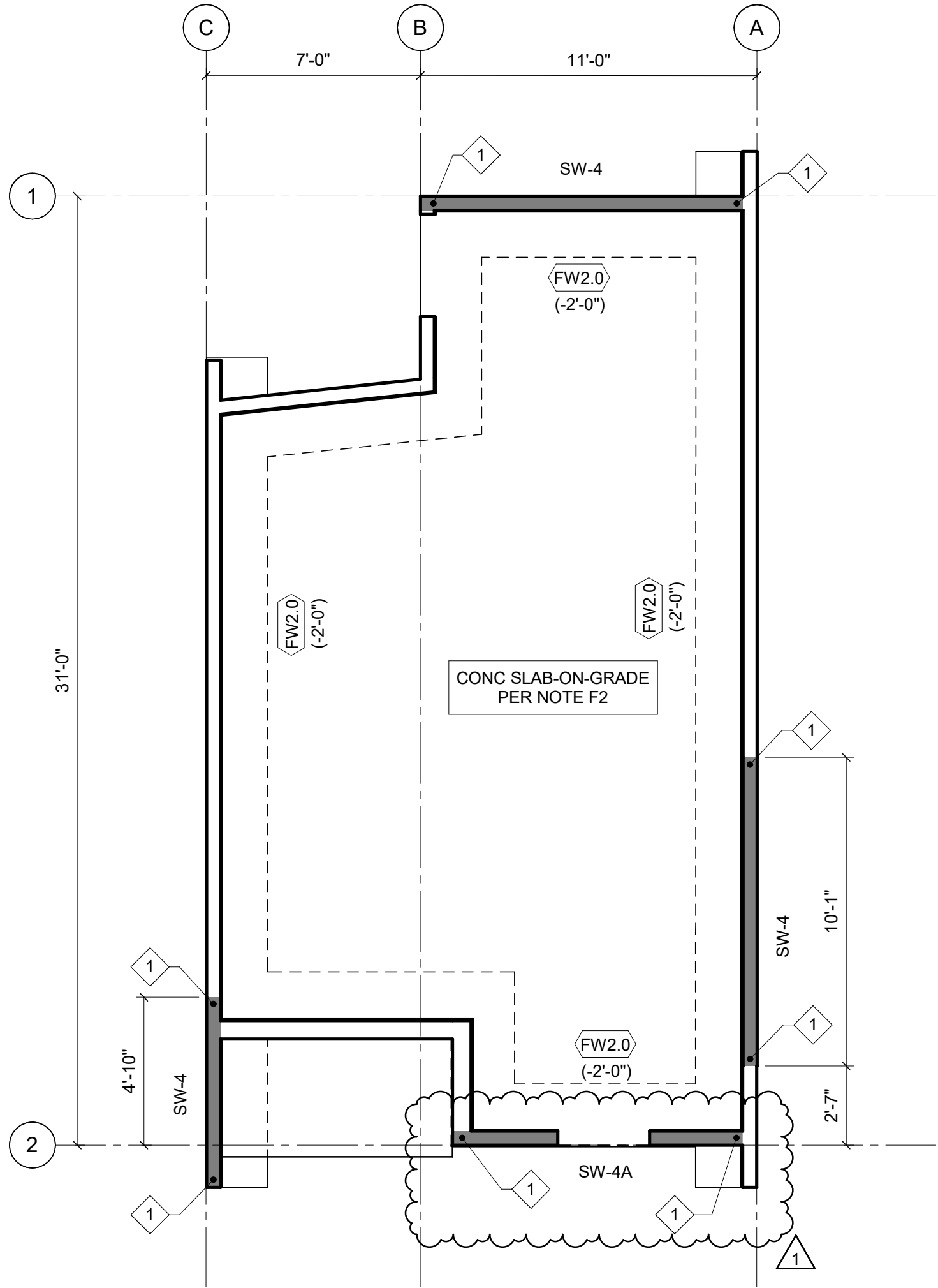
- G1. REFERENCE DRAWINGS:
S0.0X - STRUCTURAL NOTES, SPECIAL INSPECTION
SCHEDULE, SYMBOLS AND ABBREVIATIONS
S4.0X - TYPICAL CONCRETE DETAILS
S6.0X - TYPICAL WOOD DETAILS

FOUNDATION PLAN NOTES:

- F1. TOP OF SLAB-ON-GRADE SHALL BE 0'-0" THIS LEVEL, UNO.
CORRESPONDS TO EL 29'-6" ON CIVIL PLANS.
F2. SLAB-ON-GRADE SHALL BE 6" THICK WITH #4 @ 15" OC EW,
UNO. BASE FOR SLAB-ON-GRADE SHALL CONSIST OF VAPOR
RETARDER OVER 6" COMPACTED GRAVEL FILL.
F3. (FW2.0) INDICATES CONTINUOUS FOOTING PER 5/S4.01.

WOOD FRAMING PLAN NOTES:

- W1. SEE THE ARCHITECTURAL DRAWINGS FOR WALL TYPES AND
FOR NON-BEARING WALL LOCATIONS. WALL STUDS SHALL BE
2x6 @ 16" OC, UNO. WALL HEADERS ARE PER 5/S6.03, UNO.
DIMENSIONS SHOWN ARE TO FACE OF STUD, UNO.
W2. (5) INDICATES HOLD-DOWN AND COMPRESSION
STUDS PER 11/S6.02.
W3. (SW-6) INDICATES WOOD SHEAR WALL ABOVE
PER 1/S6.02.

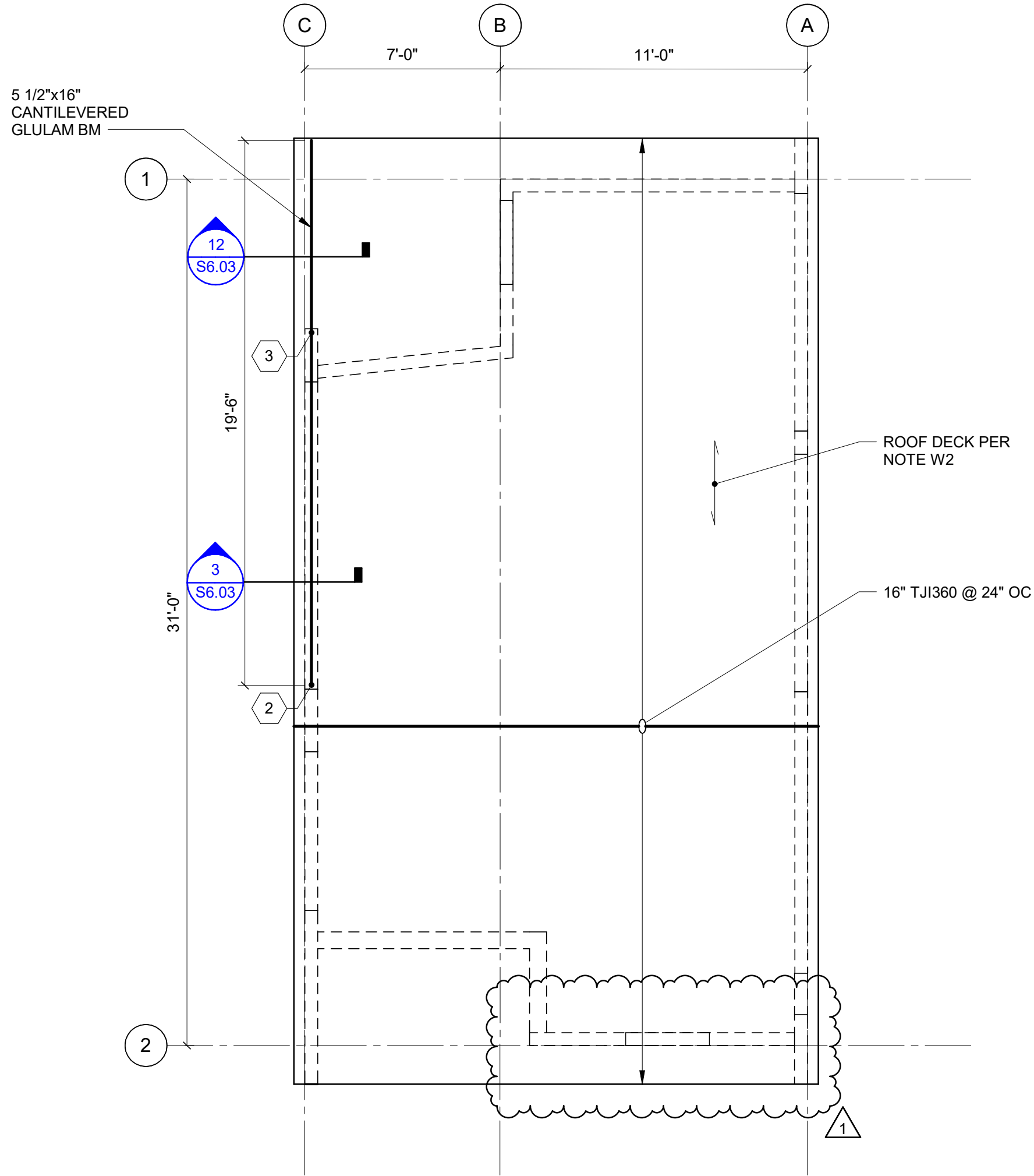


2 ROOF FRAMING PLAN

1/4" = 1'-0"

WOOD FRAMING PLAN NOTES:

- W1. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF SLOPE.
W2. ROOF CONSTRUCTION SHALL BE 15/32 CATEGORY TONGUE AND
GROOVE RATED SHEATHING. SEE DIAPHRAGM NAILING
SCHEDULE PER 5/S6.02.
W3. (3) INDICATES NUMBER OF BUNDLED STUDS
LOCATED UNDER BEAM ABOVE PER 9/S6.01.



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S1.01

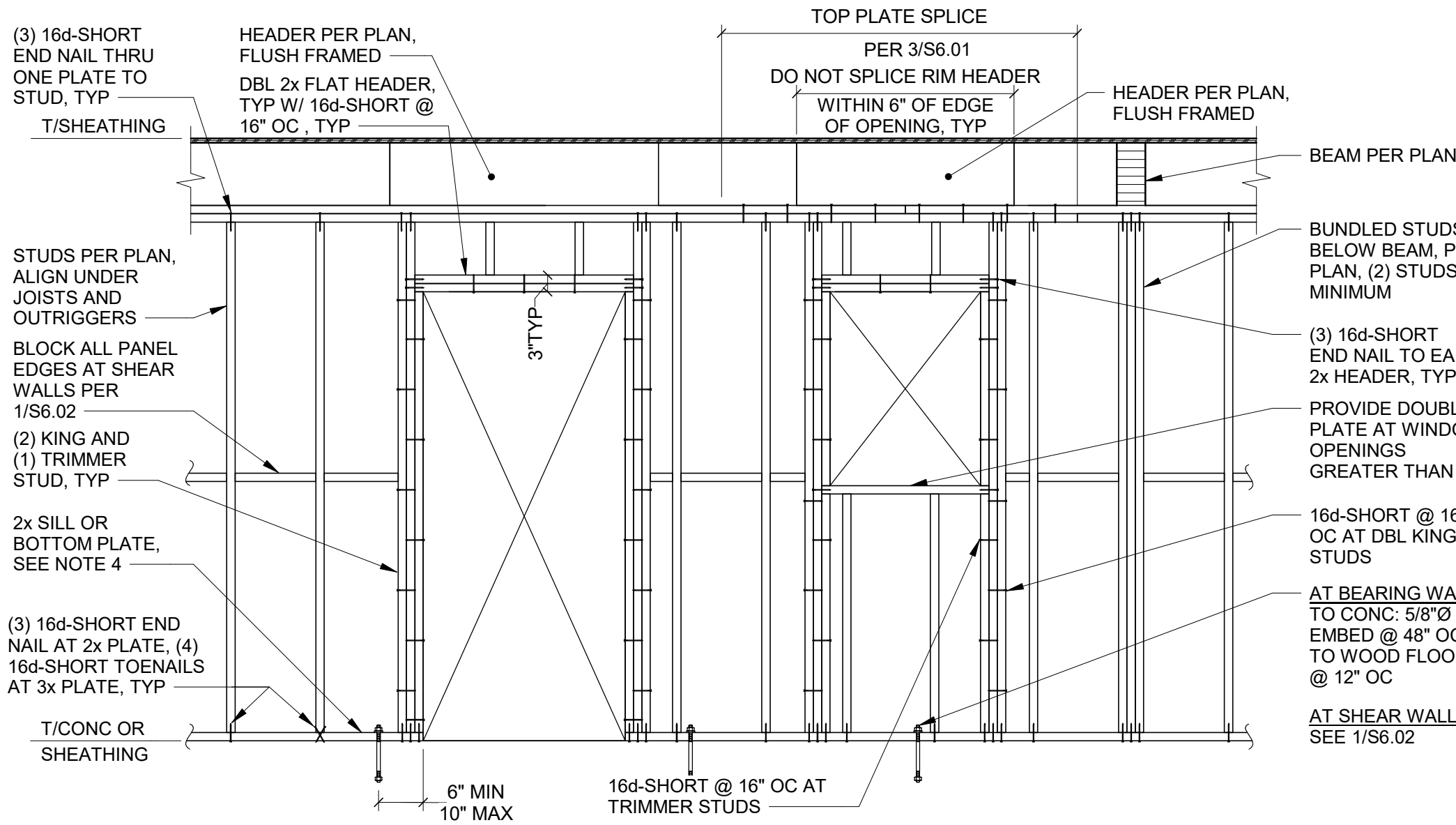
ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

FOUNDATION AND ROOF PLANS

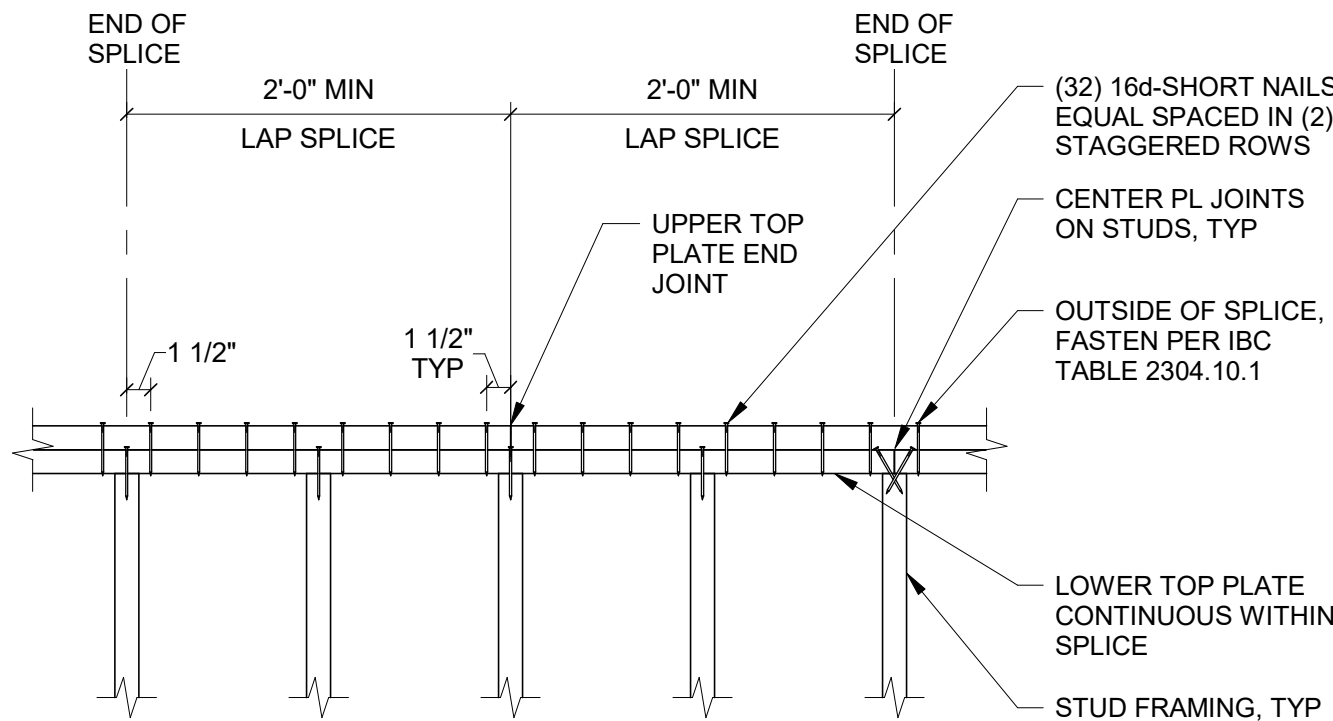
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1	6/3/2026	REVISED PERMIT/ISSUED FOR CONSTRUCTION



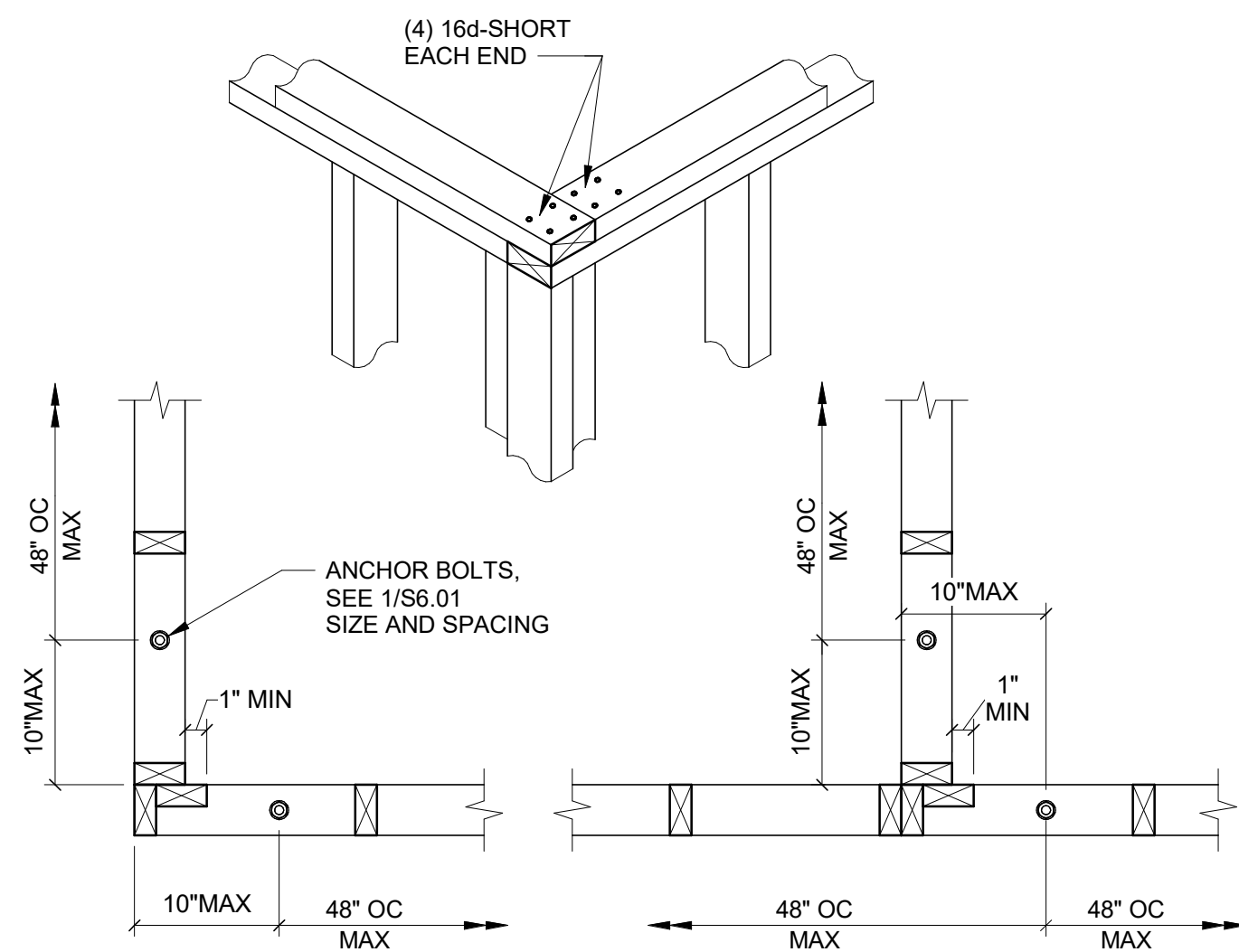
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- NOTES (APPLIES TO ALL ELEVATIONS):**
1. FRAMING NAILING NOT SHOWN SHALL BE AS INDICATED IN IBC TABLE 2304.10.1.
 2. SILL PLATES TO BE PRESSURE-TREATED WHERE IN CONTACT WITH CONCRETE.
 3. SEE 12/S6.02 FOR SILL BOLT CONSTRUCTION.

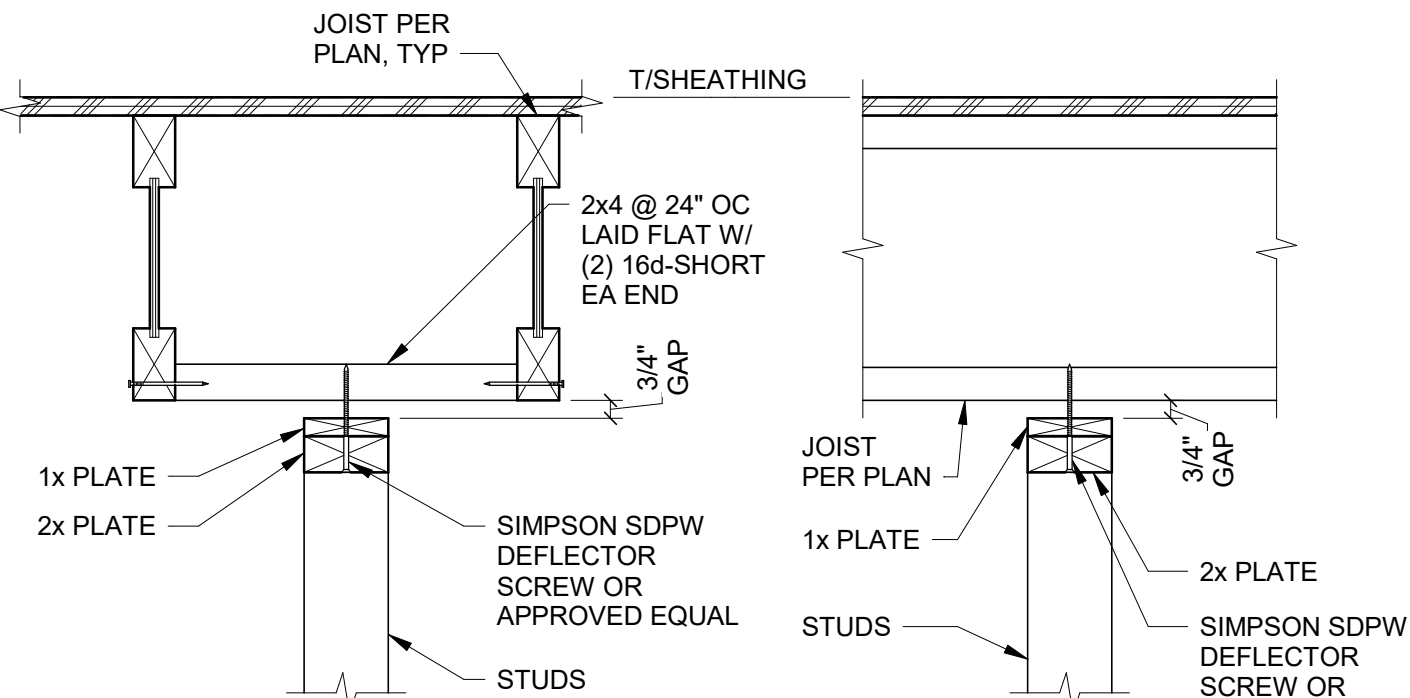


- NOTES:**
1. PROVIDE ONE-HALF OF FASTENERS WITHIN THE SPLICE ON EACH SIDE OF THE TOP PLATE END JOINT.
 2. PROVIDE CONTINUOUS TOP PLATES WITHOUT JOINTS WHERE WALLS ARE 12'-0\"/>



1 TYP STUD WALL FRAMING ELEVATION

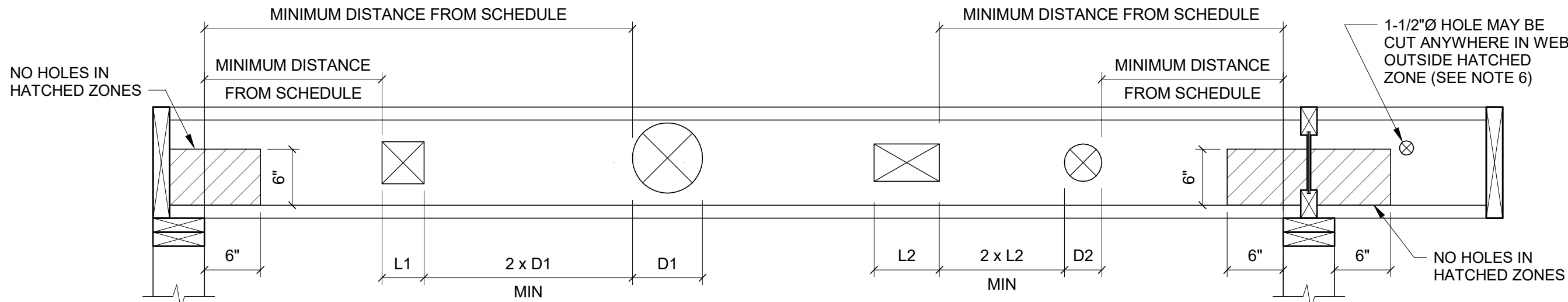
NO SCALE



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

5 TYP INTERIOR NON-BEARING WALL TOP PLATE ANCHORAGE

NO SCALE



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

6 TYP HOLE CHART FOR I-JOISTS

NO SCALE

MINIMUM DISTANCE FROM INSIDE FACE OF SUPPORT TO NEAREST EDGE OF HOLE												
JOIST TYPE	HOLE TYPE	HOLE SIZE	AT END OF SUPPORT					AT INTERIOR SUPPORT OR CANTILEVER				
			2"	3"	4"	6 1/2"	8 7/8"	2"	3"	4"	6 1/2"	8 7/8"
11-7/8" TJI 230	ROUND		1'-0"	1'-6"	2'-0"	3'-0"	6'-6"	1'-0"	2'-0"	2'-6"	5'-6"	10'-0"
11-7/8" TJI 230	RECTANGULAR		1'-0"	2'-0"	2'-6"	5'-6"	7'-0"	1'-0"	2'-6"	3'-6"	8'-6"	10'-6"

ALTERNATE NAILING SCHEDULE

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

- NOTES:**
1. POWER-DRIVEN NAILS MAY BE SUBSTITUTED FOR COMMON NAILS AT SPACING AS SHOWN ABOVE. SUBSTITUTIONS FOR NAIL SIZE, SPACING, OR QUANTITY NOT SHOWN REQUIRE APPROVAL OF RESIDENT ENGINEER.

11 ALTERNATE NAILING SCHEDULE

NO SCALE

EXTERIOR/BEARING/SHEAR WALL STUD PENETRATION

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

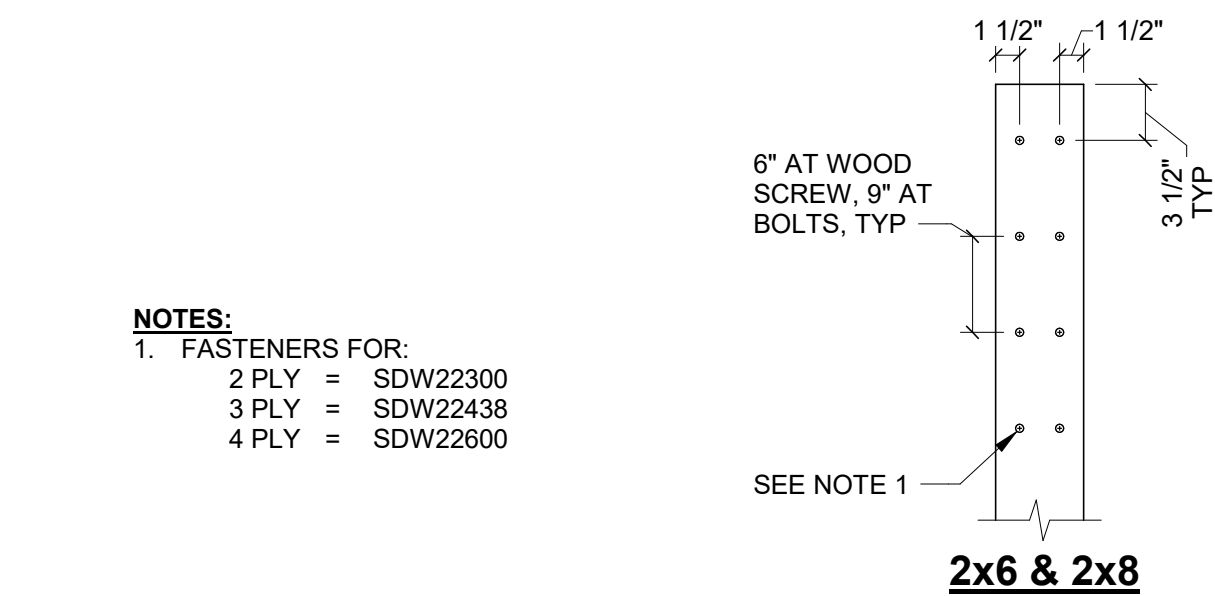
NON-BEARING WALL STUD PENETRATION

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

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

12 TYP WALL STUD PENETRATIONS

NO SCALE



9 BUILT-UP COLUMN FASTENERS

NO SCALE

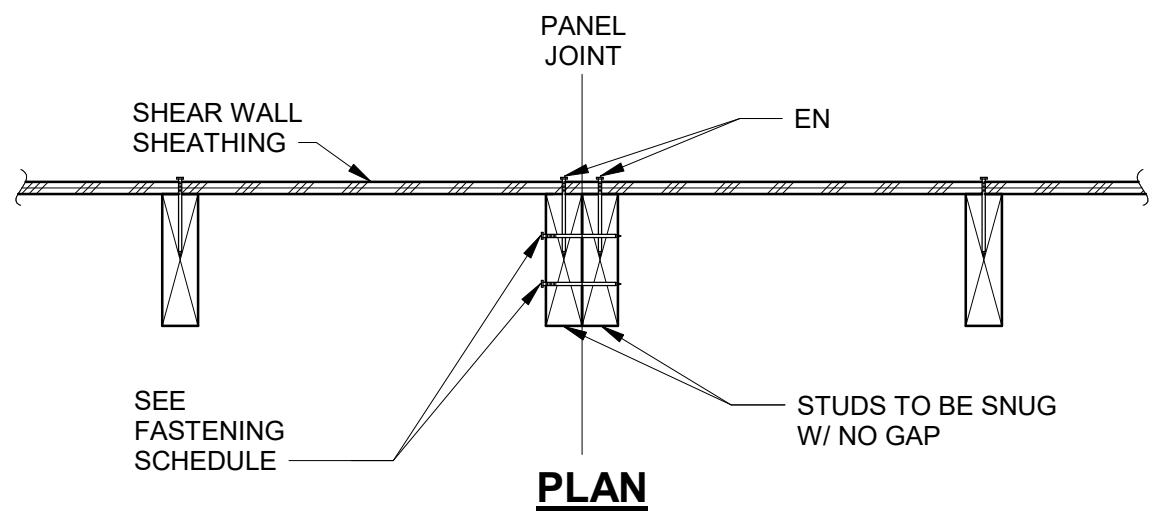
NO.	DATE	REVISION	ISSUE FOR CONSTRUCTION	REVISED PERMIT/ISSUED FOR CONSTRUCTION
0	12/13/2024			
1	6/3/2026			

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282
TYPICAL WOOD DETAILS

PROJECT NO.:	2200478
SCALE:	AS SHOWN
DATE:	12/13/24
SHEET NO.	

WOOD SHEAR WALL SCHEDULE										
ALL VALUES ARE BASED ON 2018 IBC AND SDPWS-15 FOR STRUCTURAL PANEL SHEAR WALL WITH FRAMING OF DOUGLAS FIR-LARCH										
TYPE MARK	NUMBER OF SIDES OF SHEATHING	STUD OR BLOCKING SIZE AT ADJOINING PANEL EDGES, SEE NOTE 11	FASTENER SPACING		BOTTOM OF WALL CONNECTION			TOP OF WALL CONNECTION	SEISMIC ALLOWABLE SHEAR (LBS/FT)	WIND ALLOWABLE SHEAR (LBS/FT)
			WALL BOUNDARIES AND PANEL EDGES, SEE NOTE 9	INTERMEDIATE STUDS, SEE NOTE 10	AT CONCRETE		AT WOOD FLOOR			
					FIELD OF SLAB, SEE NOTE 8	NEAR EDGE, SEE NOTE 8				
SW-4	1	3x	4" OC	12" OC	5/8"Ø AB @ 48" OC	5/8"Ø AB @ 16" OC	SDS25600 @ 12" OC	SDS25600 @ 12" OC	460	600
SW-4A	1	3x	3" OC	12" OC	5/8"Ø AB @ 48" OC	5/8"Ø AB @ 16" OC	SDS25600 @ 12" OC	SDS25600 @ 12" OC	550	770

- NOTES:**
1. SHEATHING NAIL SIZE SHALL BE 0.148"Ø WITH 1-1/2" MINIMUM PENETRATION INTO FRAMING.
 2. REFERENCE STRUCTURAL NOTES FOR SHEATHING TYPE AND THICKNESS.
 3. INSTALL SHEATHING PANELS EITHER HORIZONTALLY OR VERTICALLY.
 4. PLATE WASHERS FOR SILL BOLTS SHALL BE PER 12/S6.02.
 5. WHERE NAIL SPACING IS LESS THAN 4" OC, STAGGER EDGE NAILING 1/2".
 6. REFER TO 7/S6.02 FOR SHEAR WALL NAILING DETAIL.
 7. PRESSURE TREATED SILL PLATE SHALL BE 3x FRAMING.
 8. USE NEAR EDGE SPACING WHEN ANCHOR BOLTS ARE WITHIN 12" OF A SLAB EDGE OR SHAFT OPENING, OR ARE PLACED IN A STEM WALL.
 9. WALL BOUNDARIES INCLUDE TOP PLATE, BOTTOM PLATE, SILL PLATE, AND COMPRESSION STUDS, UNO.
 10. FASTENER SPACING AT INTERMEDIATE MEMBERS SHALL BE 6" OC WHERE STUD SPACING IS 24" OC.
 11. AT CONTRACTOR'S OPTION, (2) 2x STUDS MAY BE USED IN LIEU OF 3x STUD FRAMING. SEE 4/S6.02 FOR DOUBLE STUD FASTENING.
 12. WHERE SHEATHING IS APPLIED ON BOTH SIDES OF WALL, PANEL EDGE JOINTS SHALL BE STAGGERED SO THAT JOINTS ON THE OPPOSITE SIDES ARE NOT LOCATED ON THE SAME STUD.



STUD FASTENING SCHEDULE AT PANEL JOINTS	
SHEAR WALL TYPE	STUD FASTENING
SW4	(2) 16d-SHORT @ 8" OC

- NOTES:**
1. THIS DETAIL APPLIES WHERE DOUBLE 2x STUDS ARE USED AT SHEAR WALL PANEL JOINTS IN LIEU OF 3x FRAMING PER NOTE 11 ON 1/S6.02.

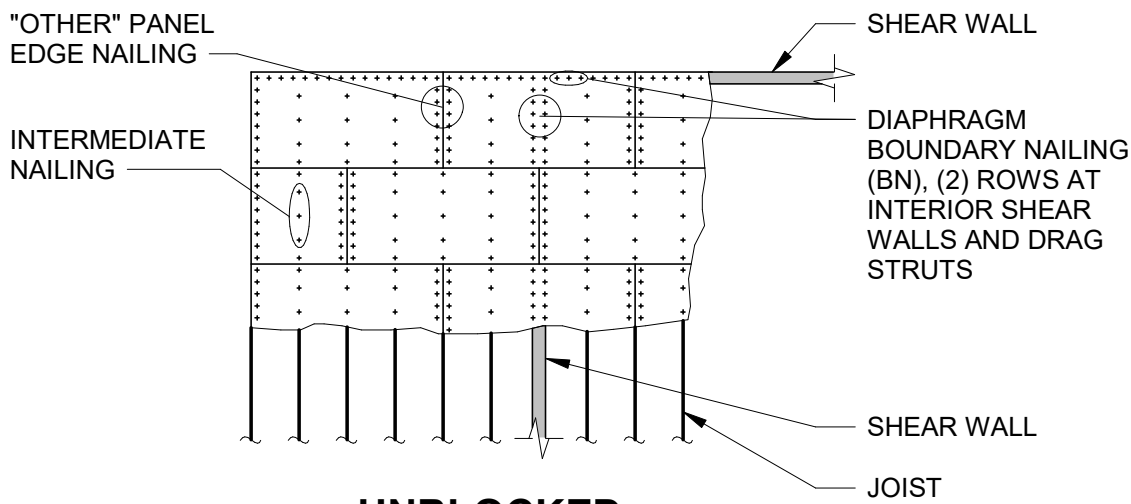


STUD FASTENING AT SHEAR WALL PANEL JNTS

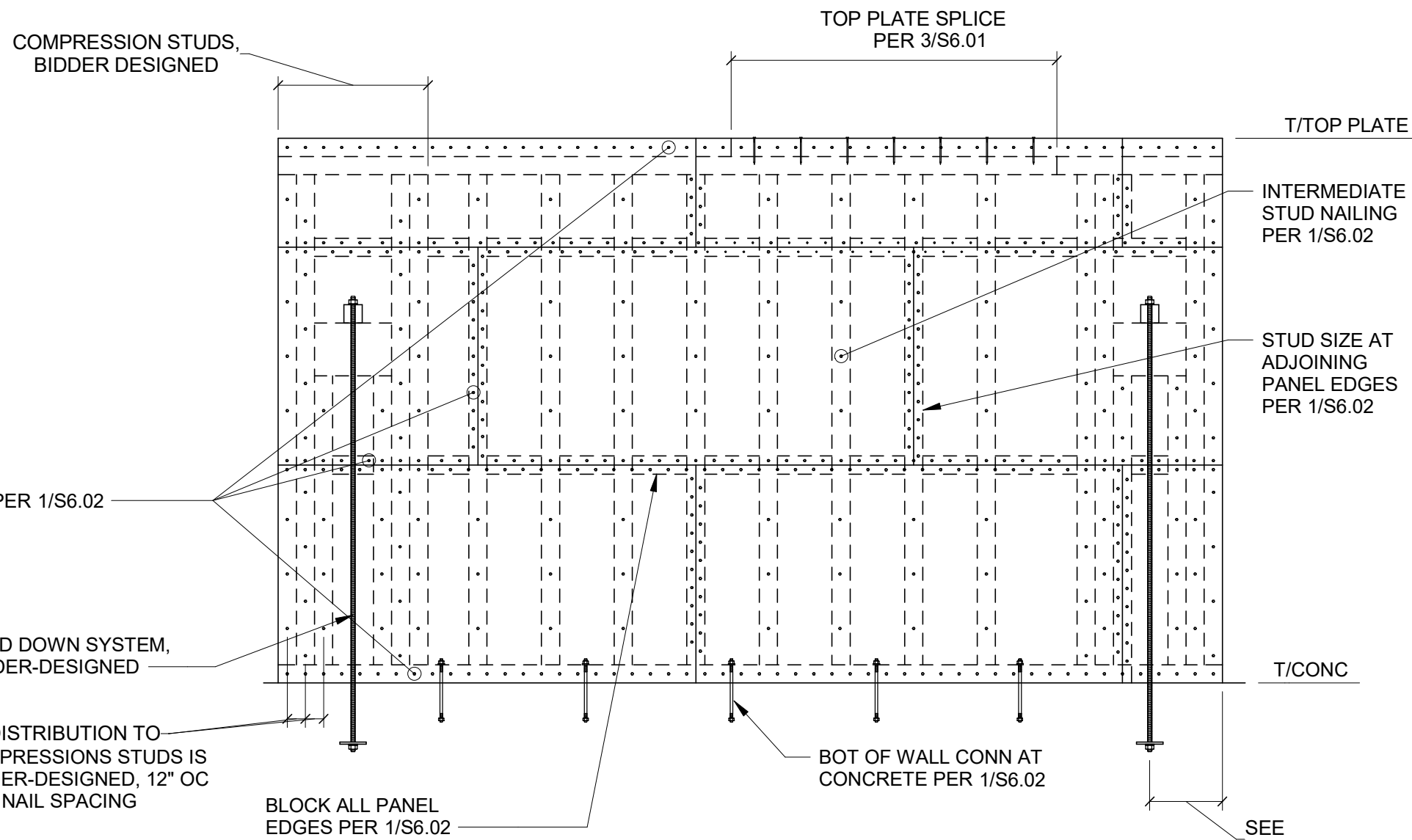
4 NO SCALE

ROOF DIAPHRAGM NAILING SCHEDULE							
ALL VALUES ARE BASED ON 2018 IBC STRUCTURAL PANEL DIAPHRAGMS WITH DECKING OF DOUGLAS FIR-LARCH							
LOCATION	SHEATHING CATEGORY	MIN FRAMING WIDTH	NUMBER OF LINES OF FASTENERS	FASTENER SPACING		SEISMIC ALLOWABLE SHEAR (LBS/FT)	WIND ALLOWABLE SHEAR (LBS/FT)
				DIAPHRAGM BOUNDARIES AND CONTINUOUS PANEL EDGES, SEE NOTE 4	OTHER PANEL EDGES		
ROOF	15/32	2x	1	4" OC	6" OC	425	595

- NOTES:**
1. SHEATHING NAIL SIZE SHALL BE 0.148"Ø WITH 1-1/2" MINIMUM PENETRATION INTO FRAMING. FASTENERS SPACING PER SCHEDULE AND 10/S6.03.
 2. ORIENT SHEATHING PERPENDICULAR TO FLOOR/ROOF FRAMING. STAGGER SHEATHING.
 3. DIAPHRAGM BOUNDARIES INCLUDE DIAPHRAGM PERIMETER, SHEAR WALLS, AND DRAG STRUTS INDICATED ON PLAN.

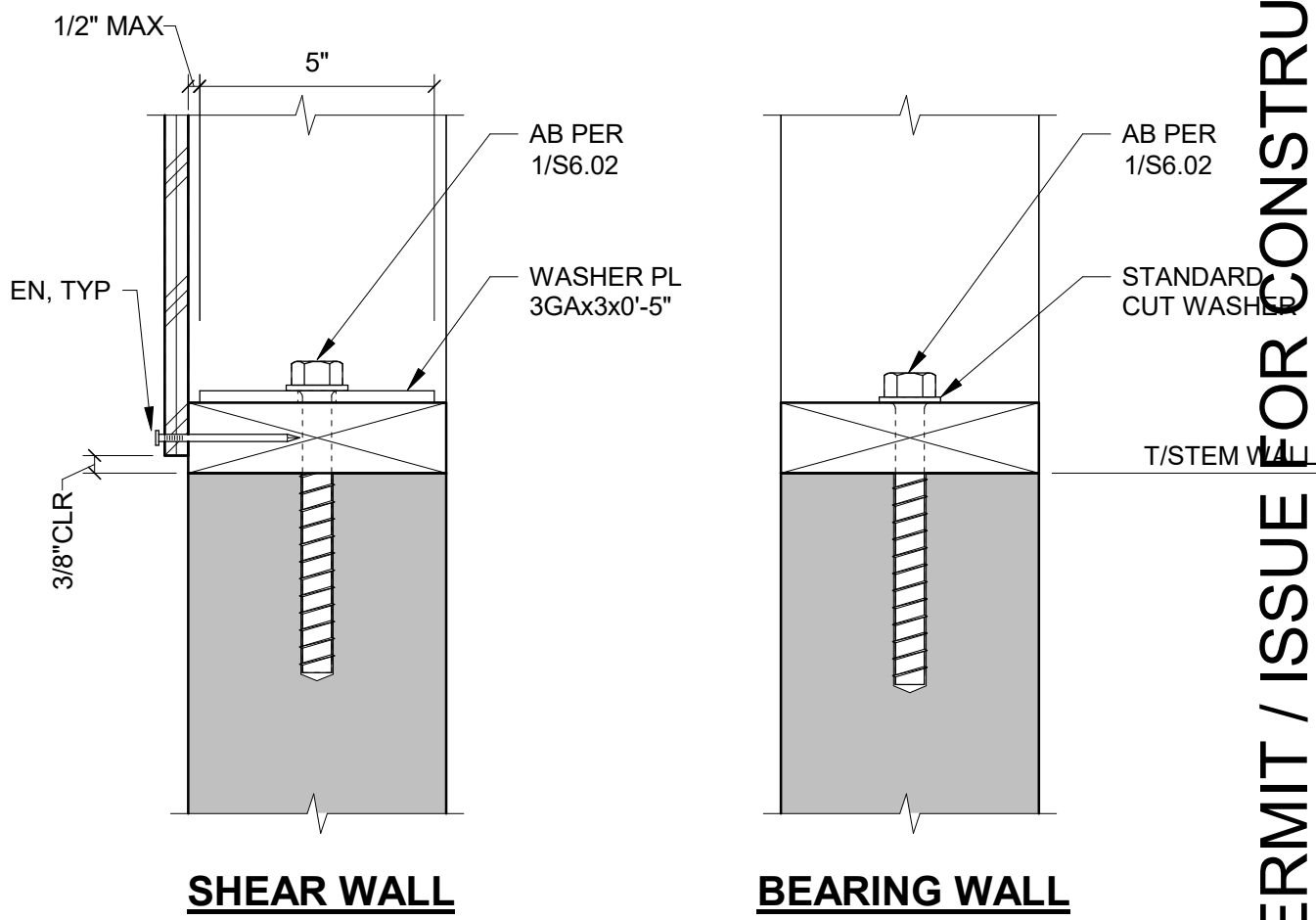


UNBLOCKED DIAPHRAGM PLAN



TYP SHEAR WALL NAILING

7 NO SCALE



SHEAR WALL

BEARING WALL

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

TYP ANCHOR BOLTS AT STEM WALL

12 NO SCALE

HOLD-DOWN AND COMPRESSION STUD SCHEDULE					
TYPE MARK	HOLD-DOWN	THREADED ROD SIZE	WASHER PL SIZE	MIN ROD EMBEDMENT	COMPRESSION STUDS, SEE NOTE 1
1	HDU8-SDS2.5	7/8"Ø	1/2X2-1/2X0-2 1/2"	9"	(2) 2x6

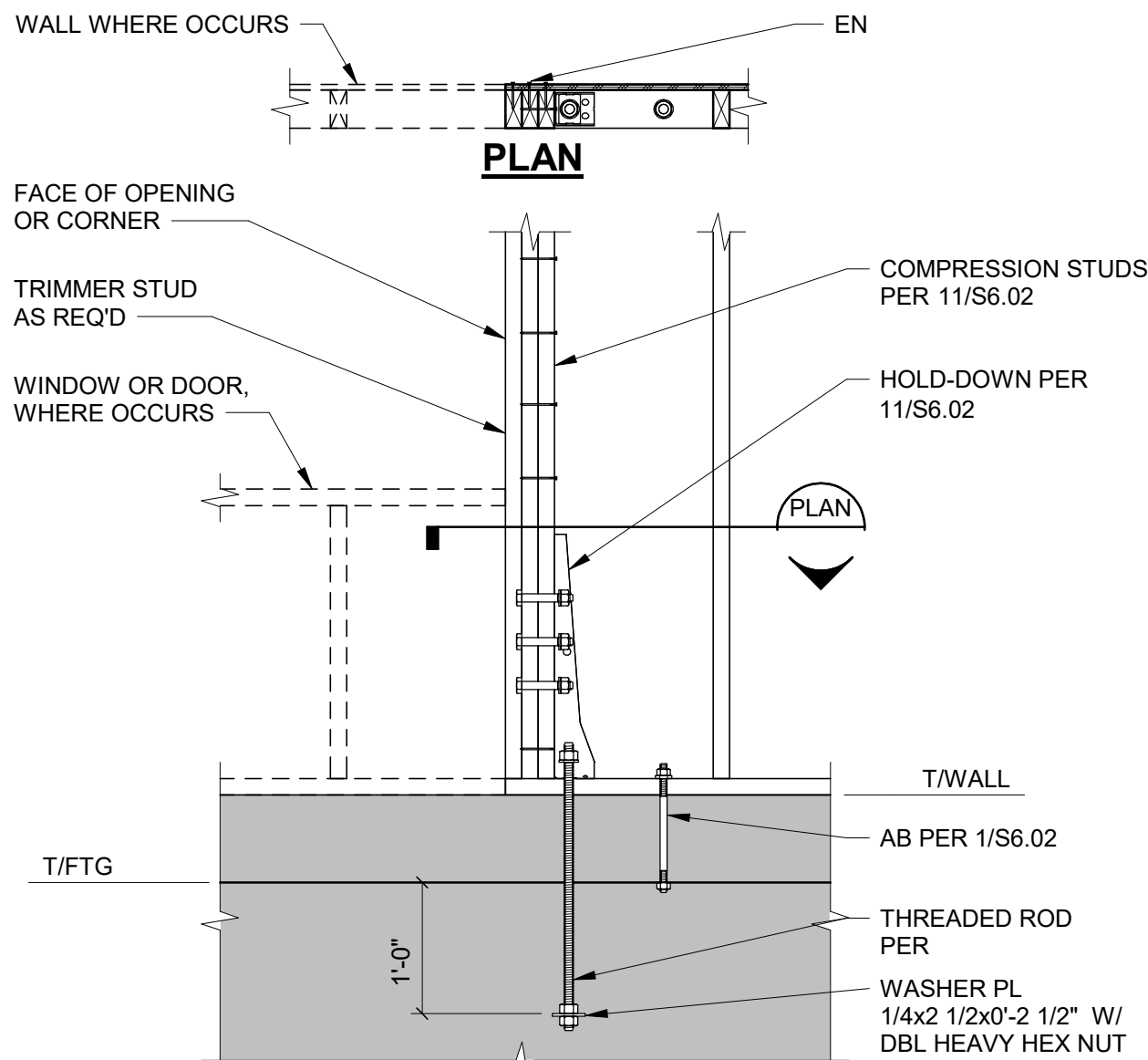
- NOTES:**
1. FASTEN COMPRESSION STUDS TOGETHER PER 9/S6.01.

HOLD-DOWN AND COMPRESSION STUD SCHEDULE

11 NO SCALE

ROOF DIAPHRAGM NAILING SCHEDULE

5 NO SCALE

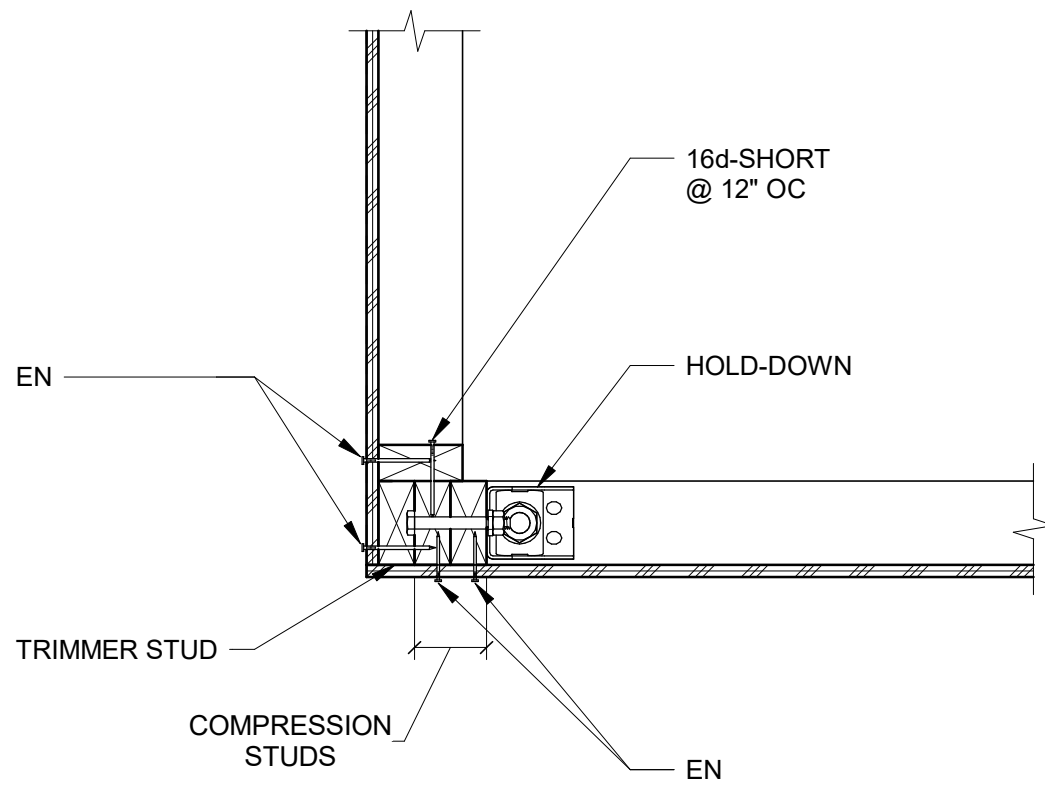


TYP HOLD-DOWN AT FOUNDATION

9 NO SCALE

TYP COMPRESSION STUD INTERSECTION

10 NO SCALE



CORNER

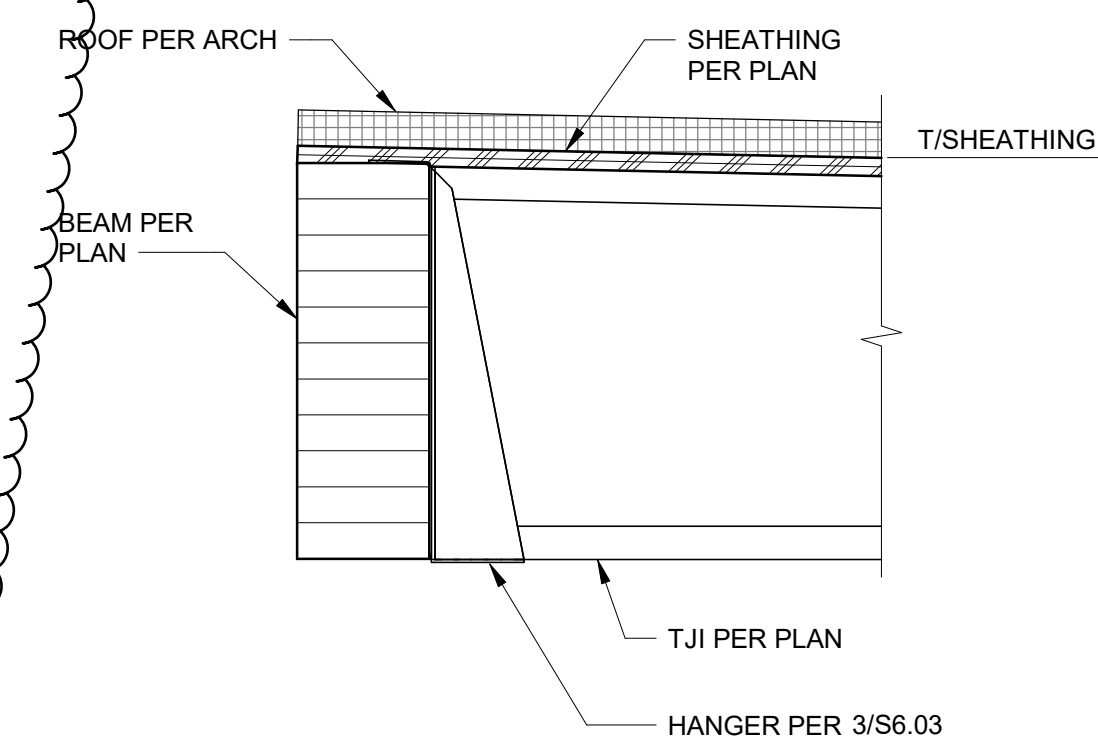
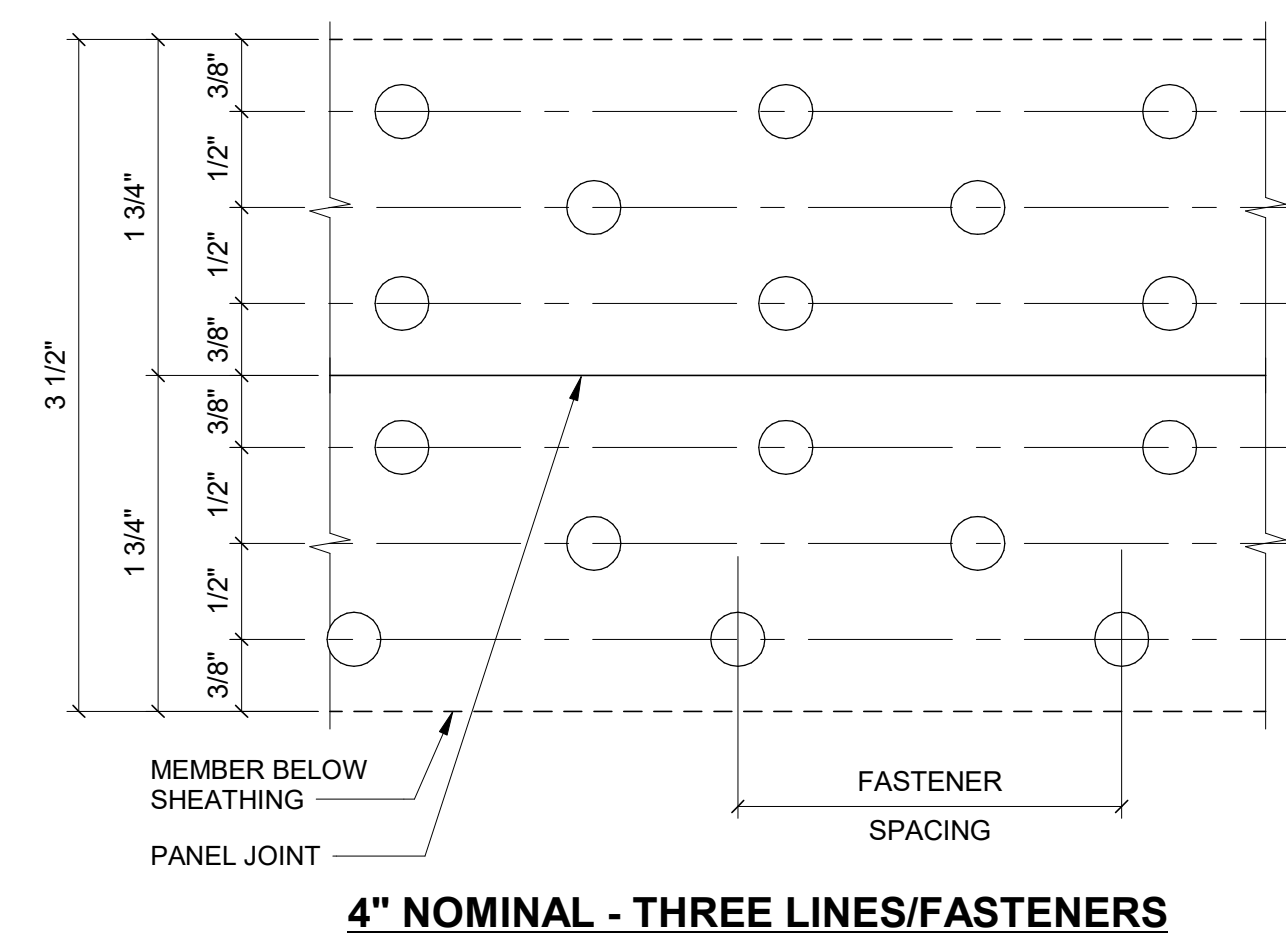
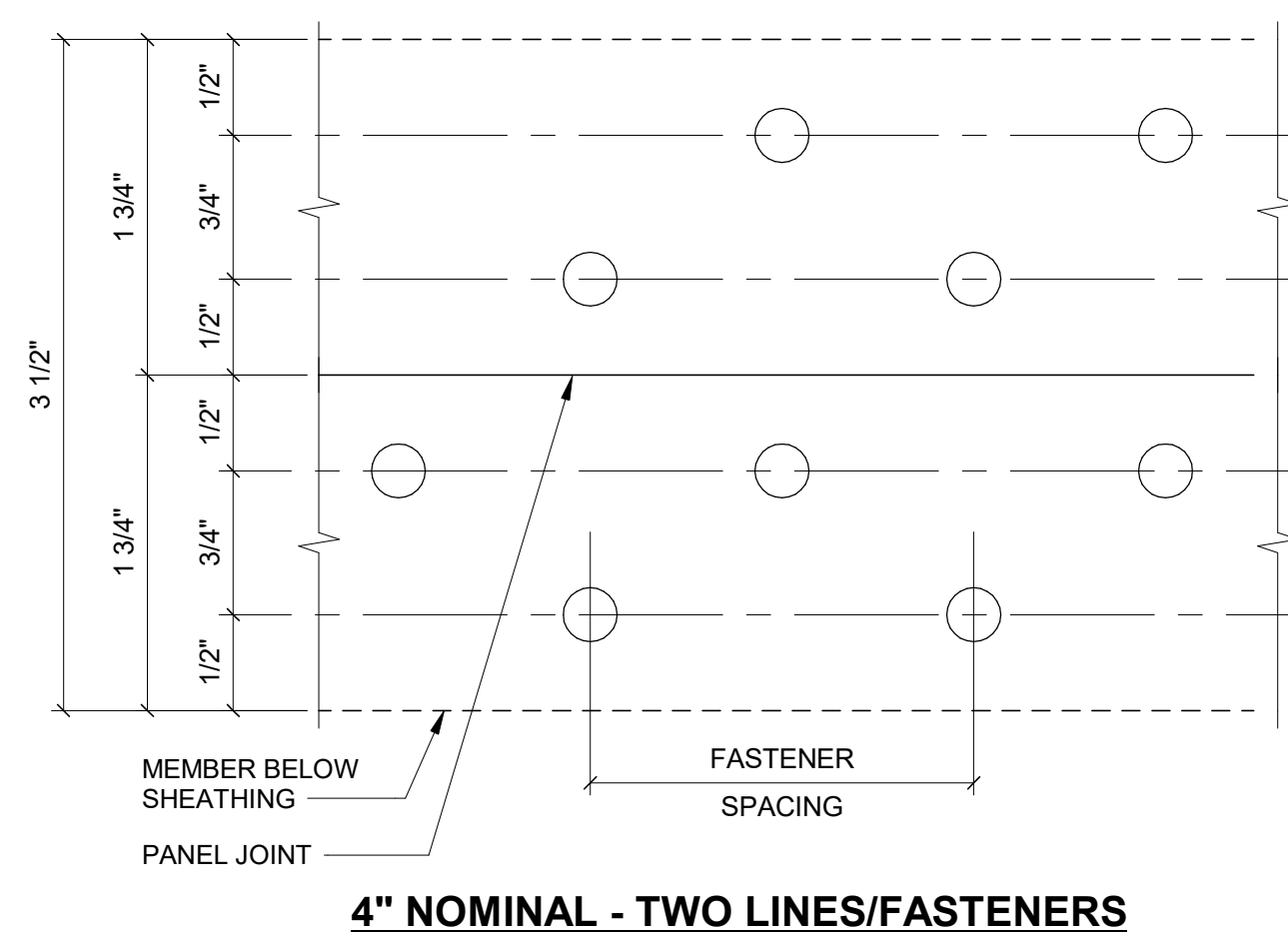
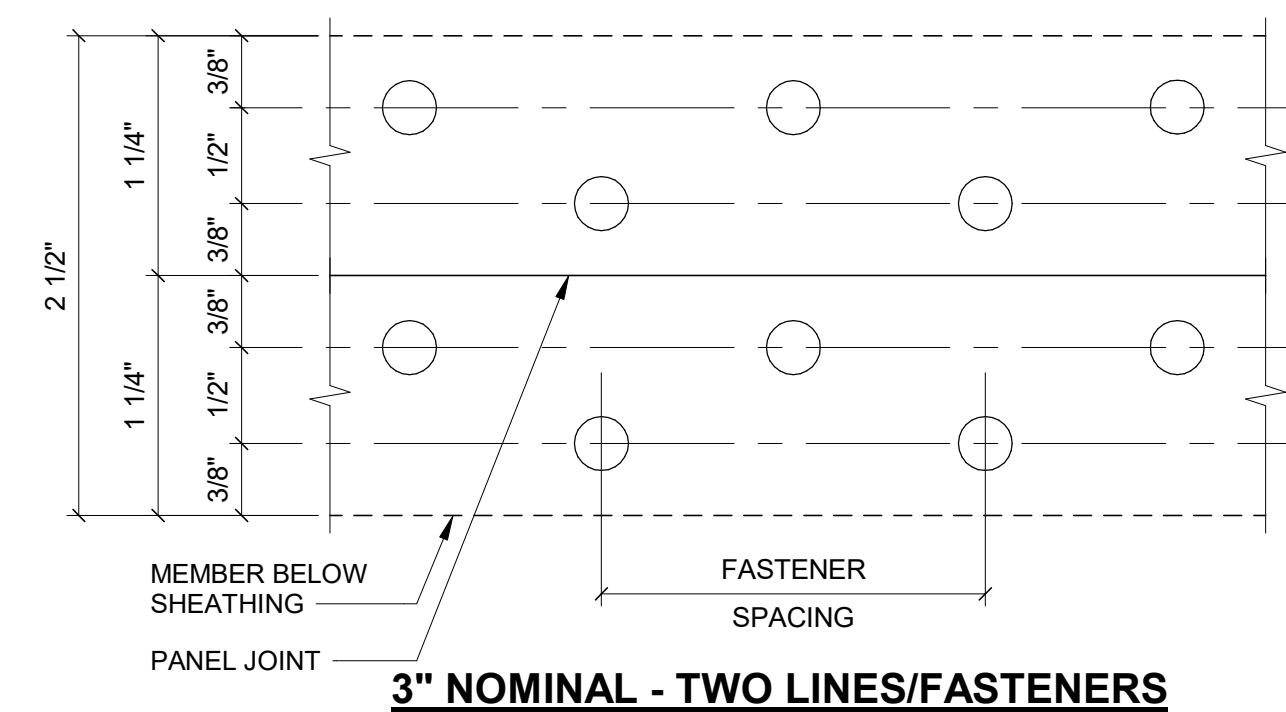
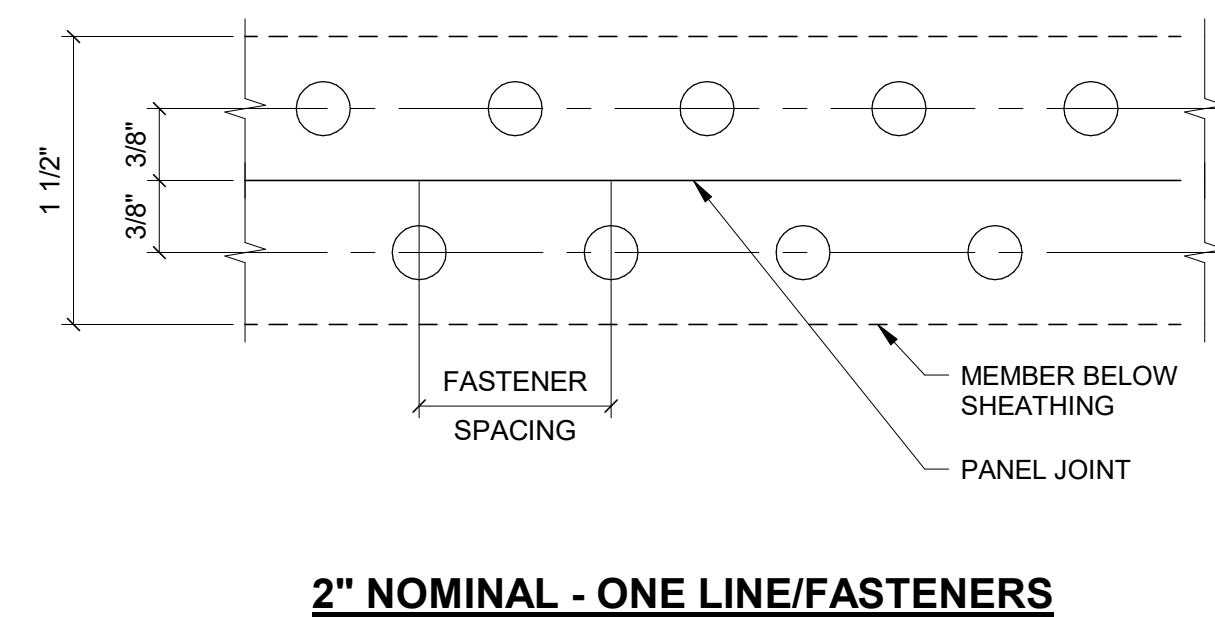
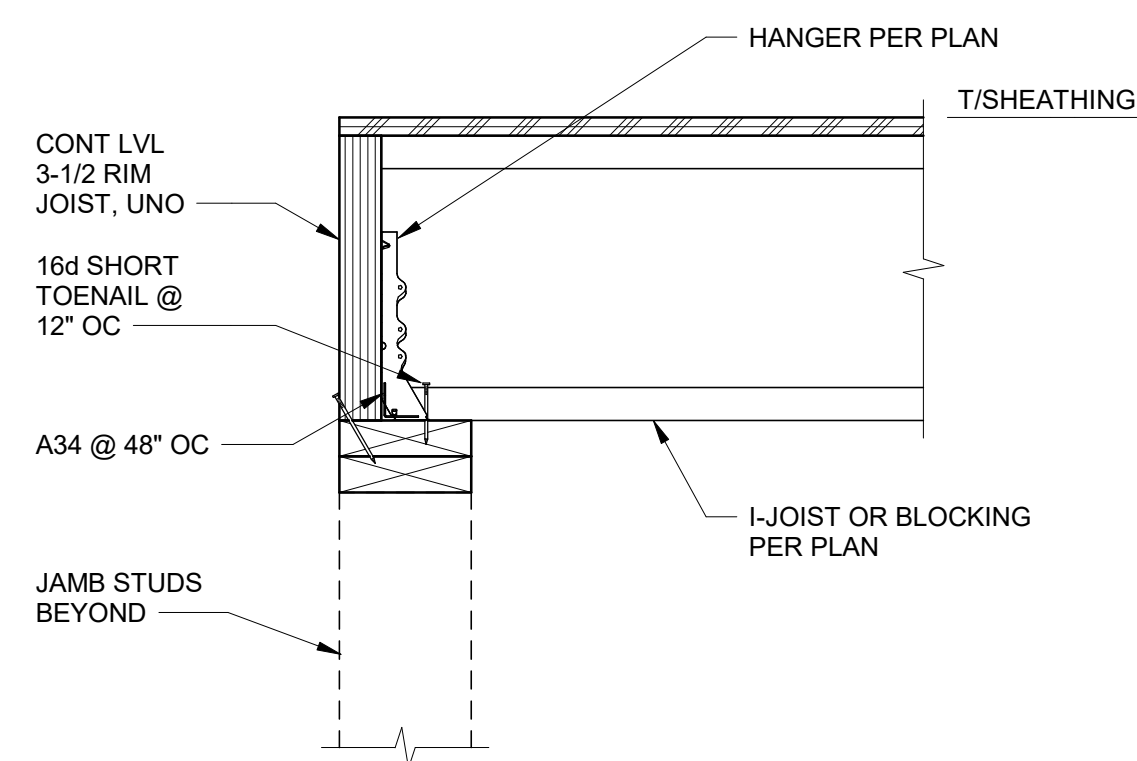
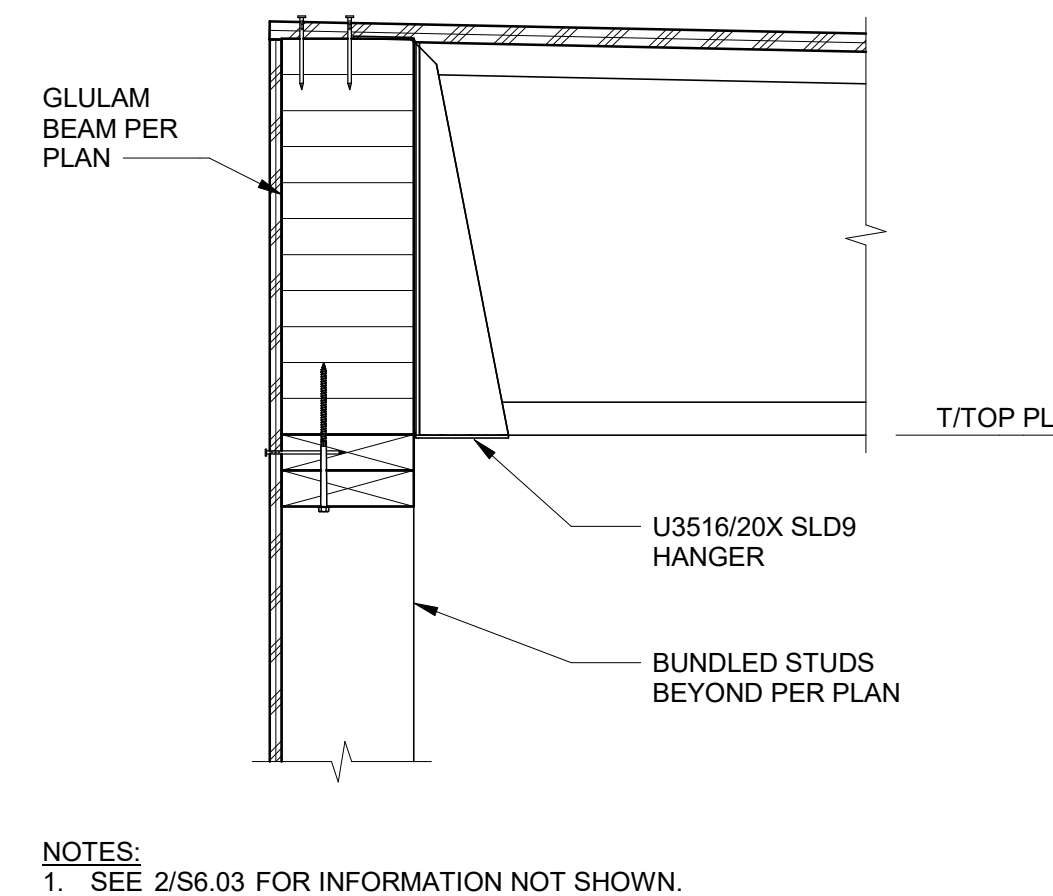
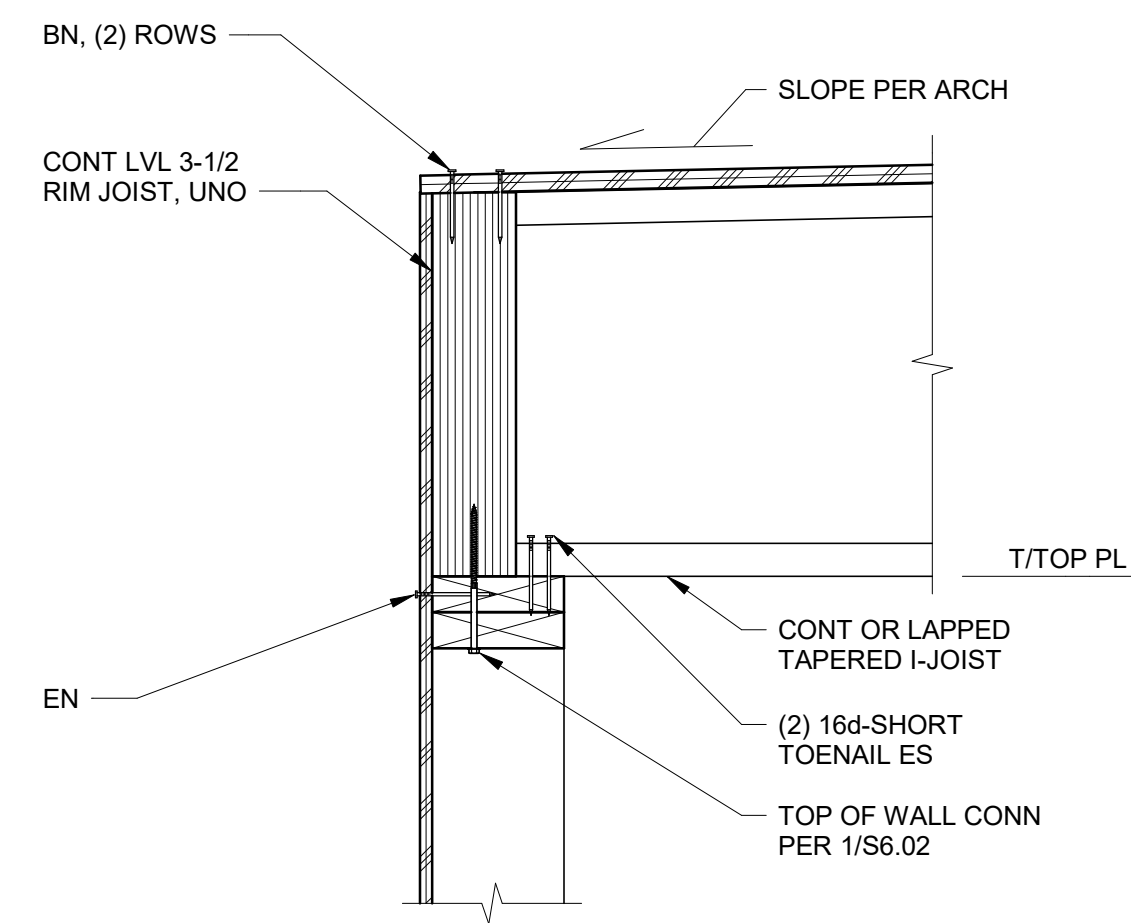
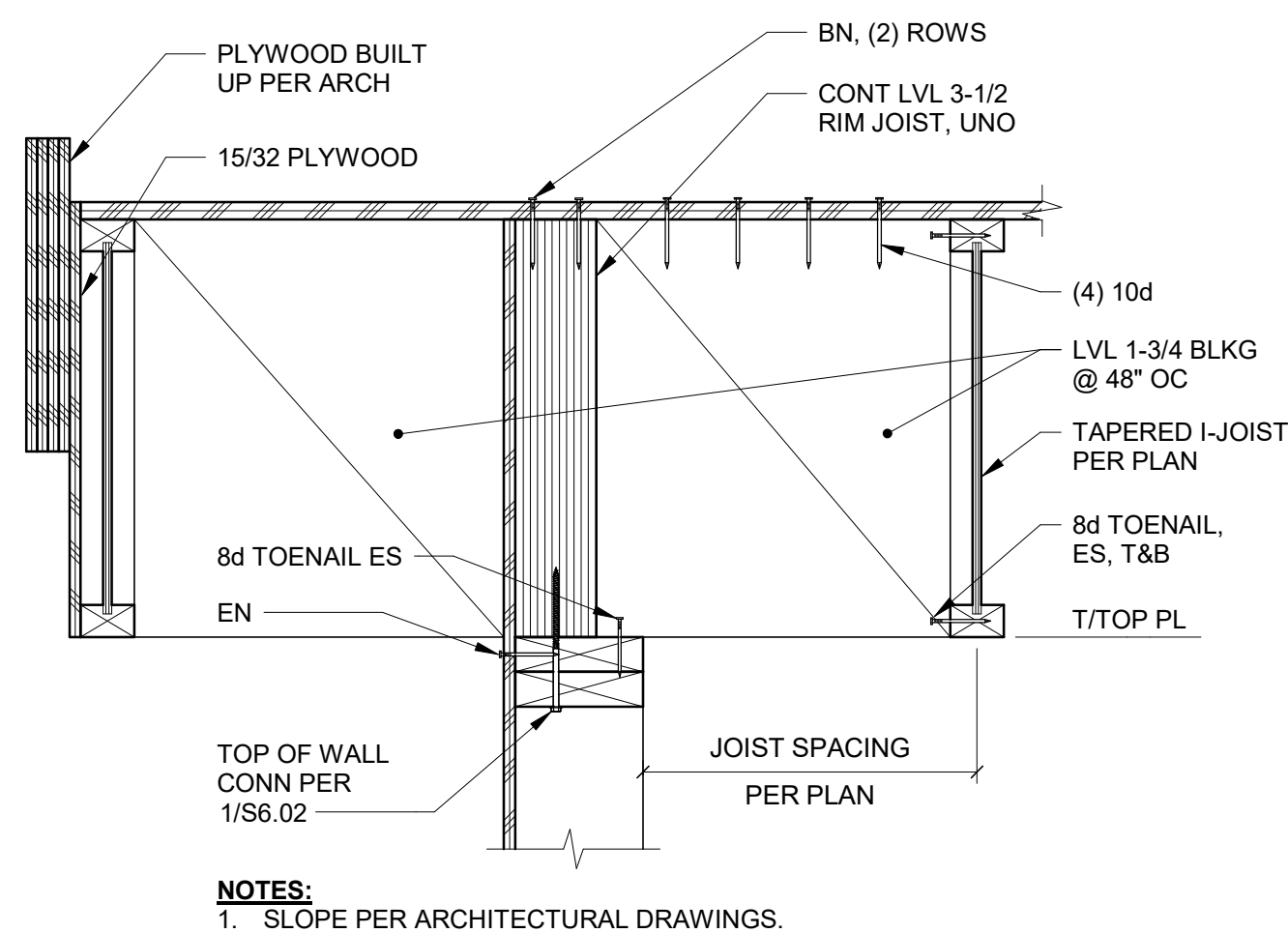
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1	04/06/2026		ADDENDUM #1 - STRUCTURAL
2	06/03/2026		REVISED PERMIT / ISSUE FOR CONSTRUCTION

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282
TYPICAL WOOD DETAILS

PROJECT NO.:	2200478
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S6.02

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NO.	DATE	REVISION
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1	6/3/2026	REVISED PERMIT/ISSUED FOR CONSTRUCTION

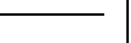
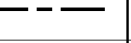
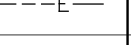
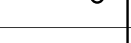
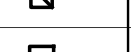
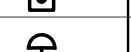
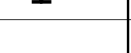
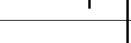
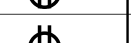
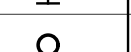
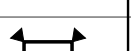
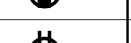
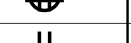
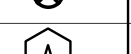
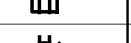
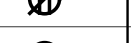
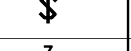
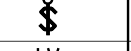
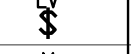
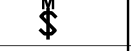
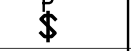
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TYPICAL WOOD DETAILS

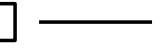
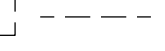
PROJECT NO.:	2200478
SCALE:	AS SHOWN
DATE:	12/13/24
SHEET NO.	

FILE:

PRINTED:

ELECTRICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LIGHTING OR POWER PANEL		EQUIPMENT CONNECTION, SEE EQUIPMENT CONNECTION SCHEDULES FOR SPECIFIC REQUIREMENTS.
	BRANCH CIRCUIT WIRING AND CONDUIT AS REQUIRED FOR CKTS DEVICES AND EQUIP INDICATED ON PLANS. (WIRING AND CONDUIT SIZE MAY NOT APPEAR ON PLANS). PROVIDE CONDUCTORS AND CONDUIT PER NEC CODE. #12 AWG, 3/4" C. MIN. EMT OR RIGID STEEL. ↓ INDICATES EQUIP GND.		SPECIAL EQUIP CONNECTION WITH LIQUID TIGHT FLEX TO MATCH EQUIPMENT
	CONDUIT EXPOSED		MOTOR CONNECTION
	CONDUIT CONCEALED IN WALL OR CEILING SPACE ONLY		NON-FUSED DISCONNECT SWITCH
	CONDUIT CONCEALED IN WALL OR CEILING SPACE ONLY		FUSED DISCONNECT SWITCH
	CONDUIT UNDER GROUND OR FLOOR		COMBINATION FUSED DISCONNECT/MAGNETIC STARTER
	EXISTING CONDUIT		MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
	CONDUIT UP		ELECTRICAL CONTACTOR, TYPE AS INDICATED
	CONDUIT DOWN		SINGLE PUSH BUTTON
	CONDUIT STUB OUT WITH PLASTIC BUSHING		PUSH BUTTON SWITCH TO MATCH EQUIPMENT STARTER AND CONTROLLER
	BRANCH CIRCUIT HOME RUN		RED EMERGENCY SHUT-OFF PUSH BUTTON
	GROUNDING ELECTRODE PER CODES		
	FLEXIBLE CONDUIT		LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
	CODE SIZED JUNCTION BOX WITH COVER PLATE		LIGHT FIXTURE, SHADING INDICATES WITH EMERGENCY BATTERY PACK
			LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
	ELECTRICAL DEVICE AS INDICATED, A=ABOVE COUNTER, CO=CONTROLLED		WALL MOUNTED LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
	DUPLEX RECEPTACLE		LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
	DUPLEX RECEPTACLE, TAMPER RESISTANT TYPE		EMERGENCY LIGHT
	TWO DUPLEX RECEPTACLES IN COMMON BACK BOX AND UNDER COMMON PLATE		EXIT LIGHT
	DUPLEX RECEPTACLE GFCI TYPE		TYPICAL LIGHTING FIXTURE DESIGNATION, SEE SCHEDULE FOR TYPE
	DUPLEX RECEPTACLE SURGE PROTECTION TYPE		
	SPECIAL RECEPTACLE TYPE TO MATCH EQUIP SERVED, VERIFY REQUIREMENTS		SINGLE POLE SWITCH
			THREE WAY SWITCH
			LOW VOLTAGE SWITCH
	TELECOMMUNICATIONS OUTLET, SUBNUMBER=QUANTITY OF DROPS NO SUBNUMBER = 2 DROPS		MOMENTARY CONTACT SWITCH
	TELEPHONE OUTLET, P=PAYPHONE TYPE		PILOT LIGHTED SWITCH
			KEY OPERATED SWITCH
			MANUAL DIMMER SWITCH
			WALL MOUNT OCCUPANCY SENSOR SWITCH
			CEILING MOUNTED PHOTO CELL
			LIGHTING CONTROL OCCUPANCY SENSOR DUAL TECHNOLOGY (WALL MOUNT)
			LIGHTING CONTROL OCCUPANCY SENSOR ULTRASONIC (WALL MOUNT)
			LIGHTING CONTROL OCCUPANCY SENSOR DUAL TECHNOLOGY (CEILING MOUNT)
			LIGHTING ROOM CONTROLLER

ABBREVIATIONS			
ABBRV	DESCRIPTION	ABBRV	DESCRIPTION
ACP	ACCESSIBLE CARD PATH	MDP	MAIN DISTRIBUTION PANEL
AFC	AVAILABLE FAULT CURRENT	MECH	MECHANICAL
AFF	ABOVE FINISHED FLOOR	MH	MANHOLE
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
AL	ALUMINUM	MR	MOTOR RATED SWITCH
BKR	BREAKER	(N)	NEW
C	CONDUIT	N	NEUTRAL
CKT	CIRCUIT	NEC	NATIONAL ELECTRICAL CODE
CP	CONDUIT AND PULL WIRE ONLY	OFCI	OWNER-FURNISHED, CONTRACTOR-INSTALLED
COMM	COMMUNICATION	OL	OVERLOAD
CTRL	CONTROL	P	PHASE, POLE
CU	COPPER	PNL	PANEL, PANELBOARD
EC	ELECTRICAL CONTRACTOR	RCPT	RECEPTACLE
EF	EXHAUST FAN	REF	REFERENCE
EQPT	EQUIPMENT	SDP	SECONDARY DISTRIBUTION PNL
(E)	EXISTING	SPD	SURGE PROTECTION DEVICE
(F)	FUTURE	SPECS	SPECIFICATIONS
FAAP	FIRE ALARM ANNUNCIATOR PANEL	SW	SWITCH
FACP	FIRE ALARM CONTROL PANEL	TEL	TELEPHONE
G, GND	GROUND	TC	TELECOMMUNICATION
G.C.	GENERAL CONTRACTOR	THRU	THROUGH
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	(TYP)	TYPICAL
GFP	GROUND FAULT PROTECTION	UNO	UNLESS NOTED OTHERWISE
HH	HANDHOLE	W	WIRE
IDF	INTERMEDIATE DISTRIBUTION FRAME	WH	WATER HEATER
LCP	LIGHTING CONTROL PANEL	WP	WEATHERPROOF, NEMA 3R
LTG	LIGHTING	XFMR	TRANSFORMER
LV	LOW-VOLTAGE		
MC	MECHANICAL CONTRACTOR		
MDF	MAIN DISTRIBUTION FRAME		

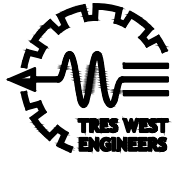
SCOPE OF WORK LEGEND	
STYLE	DESCRIPTION
	EXISTING TO REMAIN
	NEW WORK
	DEMO

GENERAL REQUIREMENTS

1. PROVIDE COMPLETE WORK FOR REQUIREMENTS AS DESCRIBED ON LEGEND.
2. ALL ONE-LINE DIAGRAMS AND RACEWAY ROUTING ARE SCHEMATIC AND DO NOT SHOW EXACT PHYSICAL ARRANGEMENT OF EQUIPMENT ON DRAWINGS. ALL JUNCTION BOXES, AND PULLBOXES SHOWN ARE MINIMUM REQUIREMENTS. PROVIDE FITTINGS AND PULLBOXES OF ADEQUATE SIZE IN RACEWAY SYSTEMS WHEREVER NECESSARY OR REQUIRED BY NATIONAL ELECTRICAL CODE. PROVIDE EXPANSION JOINT FITTINGS FOR RACEWAY PASSING THROUGH NEW OR EXISTING EXPANSION JOINTS INSTALLED BETWEEN BUILDINGS. VERIFY EXACT LOCATIONS AND DETAILS OF EXPANSION JOINTS PRIOR TO WORK. COORDINATE ALL RACEWAY ROUTING, PULLBOXES, AND EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS OF EQUIPMENT INSTALLATIONS. ALL EMPTY CONDUITS SHALL HAVE PULL WIRES.
3. ALL FLUSH MOUNT EQUIPMENT, CABINETS, AND PANELBOARDS SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR COMPLETE INSTALLATION.
4. AT EXTERIOR WALLS PROVIDE WEATHERPROOF J-BOXES, GASKETS AND SEAL J-BOXES AND PENETRATIONS. DEVICES EXPOSED TO WEATHER SHALL BE WEATHERPROOF AND RECEPTACLES SHALL BE GFCI PROTECTED.
5. CONDUIT OR OTHER ELECTRICAL COMPONENTS SHALL NOT BE INSTALLED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED BY STRUCTURAL ENGINEER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK RELATED TO PERMITS, PLAN REVIEW, NEW UTILITY SERVICE INCLUDING REMOVAL OF EXISTING SERVICE, AND INSPECTIONS.
7. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE LOCATIONS. FIELD VERIFY EXACT DEVICE, EQUIPMENT LOCATIONS, AND MOUNTING HEIGHTS WITH OWNER'S REPRESENTATIVE FOR PROPER INSTALLATION.
8. INCLUDE COST OF PROVIDING ALL ELECTRICAL CONNECTIONS AS REQUIRED FOR FULL OPERATION OF ALL OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS TO VERIFY LOCATIONS.
9. INSTALLATION OF UNDERGROUND WIRING SYSTEMS SHALL INCLUDE EXCAVATION, CUTTING, PATCHING, BACKFILL, AND COMPACTION. DO NOT CUT OR DAMAGE ANY EXISTING UTILITIES, STRUCTURAL MEMBERS, OR BUILDING FOUNDATIONS. VERIFY EXISTING CONDITIONS PRIOR TO EXCAVATION WORK. INCLUDE COST FOR UNDERGROUND LOCATOR SERVICE TO IDENTIFY LOCATIONS OF EXISTING COMPONENTS. HAND EXCAVATE IN LOCATIONS WHERE EXISTING UNDERGROUND COMPONENTS ARE SUBJECT TO DAMAGE. REPAIR DAMAGE TO EXISTING UTILITIES OR BUILDING STRUCTURE TO OWNER'S SATISFACTION AT THE CONTRACTORS EXPENSE.
10. IN OPEN EXPOSED AREAS, RACEWAY SHALL BE INSTALLED TO RUN ALONG JOISTS AT CEILING LINE LEVEL PARALLEL TO STRAIGHT BUILDING LINE. WHERE FURRED SPACES ARE CREATED, RACEWAY SHALL BE INSTALLED CONCEALED INSIDE THESE SPACES WHERE SUITABLE.
11. LABEL ALL EQUIPMENT, RECEPTACLES/COVER PLATES, J-BOXES, RACEWAY AND WITH SERVING PANEL NAME AND CIRCUIT NUMBER(S).
12. REFER TO EQUIPMENT SCHEDULES FOR WIRING REQUIREMENTS NOT INDICATED ON POWER PLANS.
13. PRIOR TO PREPARATION OF BID, VISIT JOBSITE AND EXAMINE EXISTING CONDITIONS. WORK SCOPE SHALL INCLUDE ALL COSTS FOR CUTTING, PATCHING AND CORE DRILLING REQUIRED TO INSTALL CONDUIT AND OTHER WIRING METHODS THROUGH EXISTING WALLS, FLOORS AND OTHER BUILDING ELEMENTS (NOT SHOWN ON DRAWINGS).
14. PROVIDE ALL WIRING TO PANELS AND POWER DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH ONE-LINE POWER DIAGRAM.
15. PROVIDE ALL MATERIAL AND LABOR RELATED TO THE INSTALLATION OF ELECTRICAL DEVICES PENETRATING INTO OR THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS SUCH THAT THE FIRE RATING OF THE WALL IS MAINTAINED.
16. PROVIDE SURFACE METAL RACEWAY AS WIRING METHOD WHERE OUTLETS AND WIRING CANNOT BE CONCEALED.
17. PROVIDE TEMPORARY POWER FOR CONSTRUCTION. TEMPORARY POWER MAY BE IN THE FORM OF PORTABLE GENERATOR SET; CONNECTION TO UTILITIES COMPANY'S POWER POLE OR EXISTING FACILITY'S ELECTRICAL SYSTEM.
18. PROVIDE PULL-WIRES IN ALL EMPTY CONDUITS.
19. RACEWAYS, WIRE SIZES AND CIRCUITS AS SHOWN REPRESENT INTENT OF INSTALLATION, BUT MAY NOT NECESSARILY REPRESENT THE COMPLETE WIRING COUNTS AND MINIMUM SIZES FOR CONNECTING THE CIRCUITS SHOWN. CONTRACTOR SHALL INCLUDE IN THE BID, ALL REQUIRED RACEWAY SIZES AND NUMBER OF CONDUCTORS IN ORDER TO PROVIDE ALL CIRCUITS SHOWN.
20. WIRING SYSTEMS SHALL BE CONCEALED WHERE POSSIBLE, EXCEPT IN ELECTRICAL ROOM, MECHANICAL ROOM, AND UTILITY AREAS, OR AS OTHERWISE NOTED.

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TRES WEST ENGINEERS, INC.
2702 SOUTH 42ND STREET, SUITE 301
TACOMA, WA 98409-7315
Phone: 253.473.3300
www.treswest.com


06/03/26

NO.	DATE	REVISION
0	12/13/2024	ISSUED FOR CONSTRUCTION
1	6/9/2026	REVISED PERMIT/ISSUED FOR CONSTRUCTION

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

ELECTRICAL LEGEND & GENERAL
REQUIREMENTS

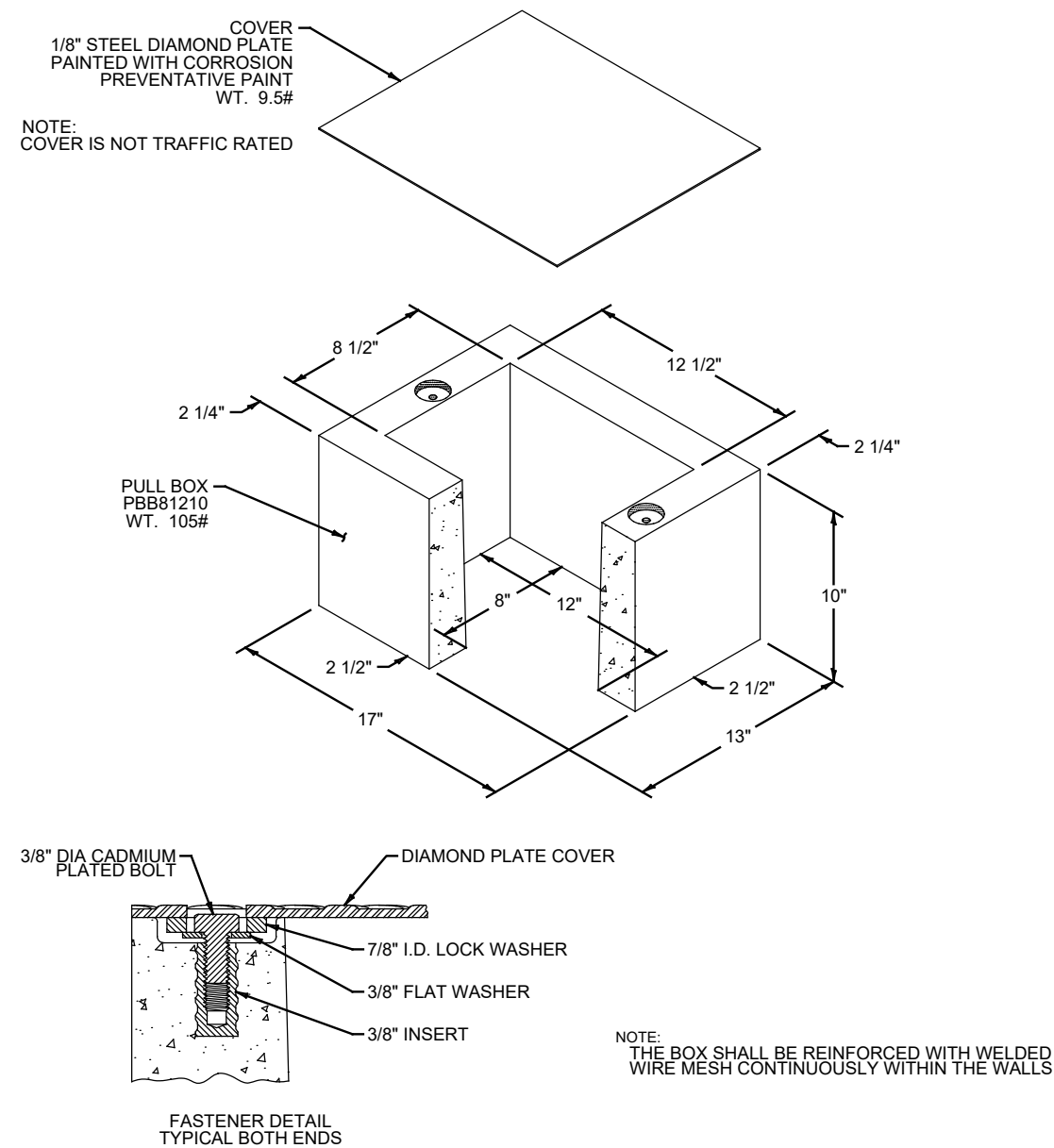
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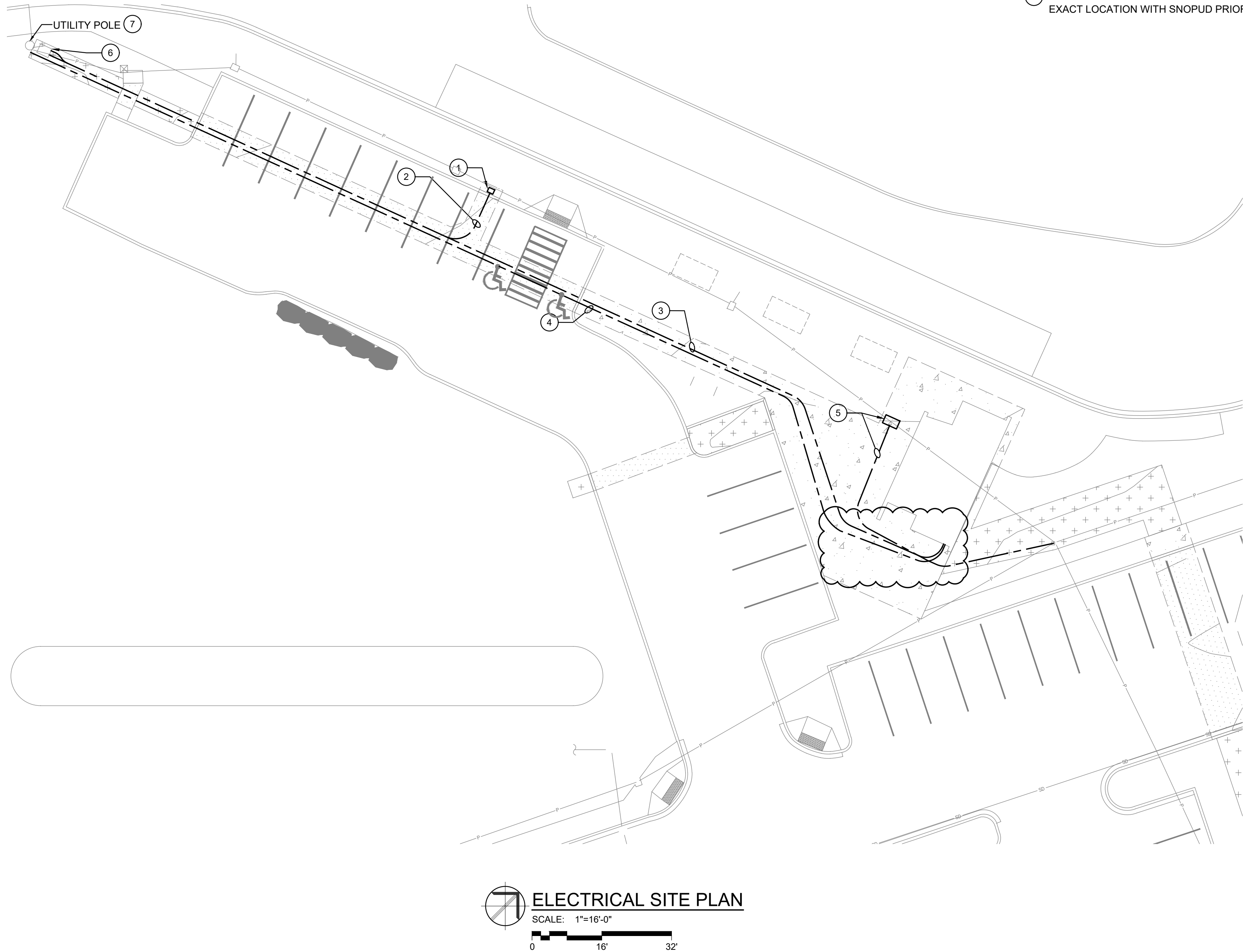
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SHEET NO.

E0.01



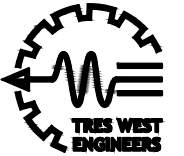
PULL BOX DETAIL
SCALE: NONE



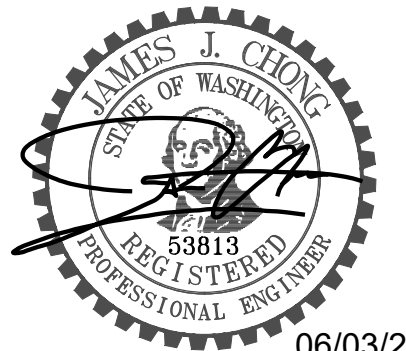
PLAN NOTES

- 1 PROVIDE 8"x12"x10" PULL BOX FOR FUTURE EV CHARGING STATION.
- 2 PROVIDE 2"C WITH PULLSTRING FOR FUTURE EV CHARGING STATION.
- 3 PROVIDE NEW SECONDARY CONDUIT AND CONDUCTORS. REFER TO SHEET E4.01 FOR ADDITIONAL INFORMATION.
- 4 PROVIDE (2) 4"C WITH PULLSTRING FOR COMMUNICATIONS. COORDINATE WITH WAVE BROADBAND.
- 5 INTERCEPT, REROUTE AND EXTEND EXISTING LIGHTING CIRCUIT TO EXISTING LIGHTING JUNCTION BOX. PROVIDE NEW 8"x8"x4" JUNCTION BOX OR EQUAL, 1" C WITH 3#10, #10G. PROVIDE ALL APPURTENANCES FOR COMPLETE OPERATION.
- 6 EXISTING UTILITY VAULT
- 7 PROVIDE UTILITY METER BASE AT UTILITY POLE. COORDINATE EXACT LOCATION WITH SNOPOD PRIOR TO ROUGH IN.

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532 718 WASHINGTON
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ELECTRICAL SITE PLAN

PROJECT NO.:

SCALE: AS SHOWN

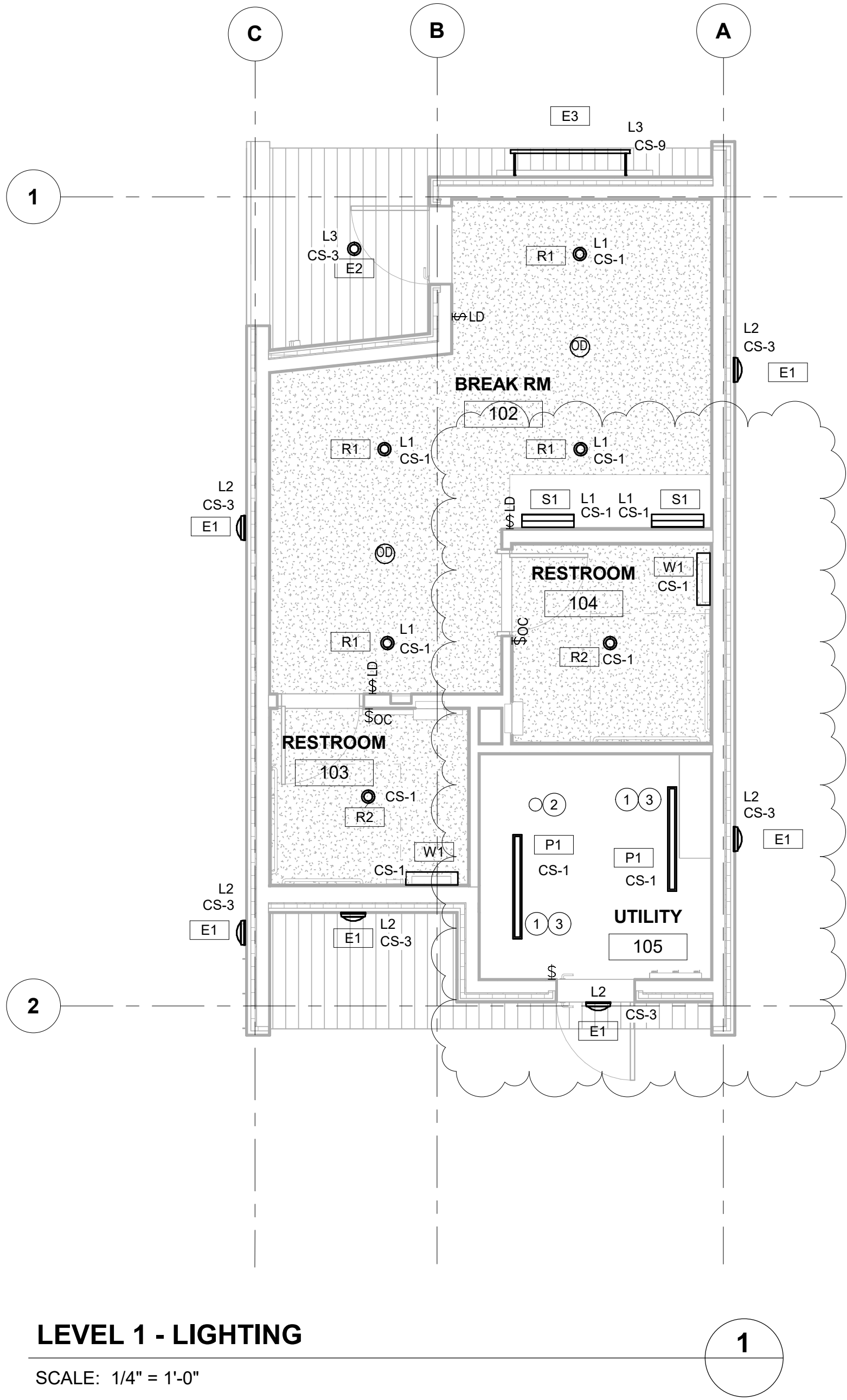
DATE: 12/13/2024

SHEET NO.

E1.01

LIGHT FIXTURE SCHEDULE								
TYPE	DESCRIPTION	MANUFACTURER		LIGHT SOURCE			INPUT WATTS	NOTES
		NAME	CATALOG NUMBER	TYPE	* / LUMENS	CCT (K)		
E1	10" ROUND, SURFACE MOUNT, IP65, IMPACT RESISTANT	FAILSAFE	TRE11 LD4 25W 35 CL BK 120V ED C1	LED	1410	3500	25	1,2,3
E2	6" ROUND, RECESS MOUNT, WOOD CEILING	HALO	HC6 25 D010 RMB22 HM6 0525 835 61 MD H	LED	2500	3500	28	1,2,3
E3	EXTERIOR WALL MOUNT SIGN LIGHT	SPI LIGHTING	EEW11919 L29W 120-277V 3500K HZT	LED	2584	3500	29	1,2,3
P1	4" LINEAR, CABLE MOUNT, GWB CEILING	METALUX	4SNX 22SL LW UNV L835 CD 1 EL14W U SCA	LED	3848	3500	14	1,2,3
R1	6" ROUND, RECESS MOUNT, WOOD CEILING	HALO	HC6 30 D010 RMB22 HM6 3040 835 61 MD H	LED	3000	3500	29	1,2,3
R2	6" ROUND, RECESS MOUNT, GWB CEILING	HALO	HC6 25 D010 HB128APH HM6 0525 835 61 MD H	LED	2500	3500	28	1,2,3
S1	2' LINEAR, UNDERCABINET	FAILSAFE	UCL 2 LD4 35 89BW EDC1 UNV OS	LED	1622	3500	18	1,2,3
W1	28", SURFACE MOUNT, VANITY	OXYGEN	3-524-24 120V	LED	1727	3500	30	1,2,3
NOTES: * DL = DELIVERED LUMENS, IL = INITIAL LUMENS, (#) WHERE SHOWN IN FIXTURE TYPE AND CATALOG NUMBER = REFER TO PLANS AND MEASURE FOR FIXTURE LENGTHS ** ALTERNATE MANUFACTURER MUST MEET DESIGN INTENT OF THE PROJECT INCLUDING MINIMUM LIGHT LEVELS. (REFER TO DIVISION 01 FOR SUBSTITUTIONS) 1. COORDINATE FINISH COLORS WITH ARCHITECT. 2. COORDINATE MOUNTING TYPE AND APPLICATION WITH ARCHITECT. 3. PROVIDE REQUIRED POWER SUPPLIES, CABLES, ETC AND OTHER NECESSARY APPURTENANCES FOR A COMPLETE AND OPERATIONAL SYSTEM. GENERAL: RECESSED LIGHTING FIXTURES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL COMPLY WITH WASHINGTON STATE ENERGY CODE SECTION C402 BUILDING ENVELOPE REQUIREMENTS, PARAGRAPH C402.5.8 RECESSED LIGHTING								

LCP	LIGHTING CONTROL PANEL						LOCATION: UTILITY 104
	NOTES:						PANEL TYPE: MAIN MOUNTING: SURFACE
RELAY #	PANEL/ CIRCUIT #	LOAD LOCATION	LOCAL OVERRIDE SWITCH CONTROLLED	USER DIMMING	UL924	RELAY CONTROLLED (ON/OFF) VIA PHOTOCELL	LIGHTING ZONE CONTROLS
L1	CS-1	BREAK ROOM 102	-	X	X	X	FIXTURES TO TURN ON AND OFF AT OWNER SPECIFIED SHEDULE. COORDINATE WITH OWNER PRIOR TO PROGRAMMING.
L2	CS-3	EXTERIOR	-	-	-	X	FIXTURES TO TURN ON AND OFF AT OWNER SPECIFIED SHEDULE. COORDINATE WITH OWNER PRIOR TO PROGRAMMING.
L3	CS-9	EXTERIOR SIGN	-	-	-	X	FIXTURE TO TURN ON AND OFF AT OWNER SPECIFIED SCHEDULE. COORDINATE WITH OWNER PRIOR TO PROGRAMMING.
L4		SPARE	-	-	-	-	-
L5		SPARE	-	-	-	-	-
L6		SPARE	-	-	-	-	-
L7		SPARE	-	-	-	-	-
L8		SPARE	-	-	-	-	-
NOTES: COORDINATE PHOTOCELL DAYLIGHT OPERATIONS WITH OWNER PRIOR TO PROGRAMMING. PROVIDE UL924 DEVICE FOR EMERGENCY FIXTURES TO ALLOW FIXTURES TO BE CONTROLLED WITH NORMAL CIRCUITS AND THEN GO TO 100% BRIGHTNESS UPON LOSS OF NORMAL POWER.							



LEVEL 1 - LIGHTING

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

GENERAL NOTES

- EXTERIOR LIGHTING TO BE ROUTED THROUGH LIGHTING CONTROL PANEL.

PLAN NOTES

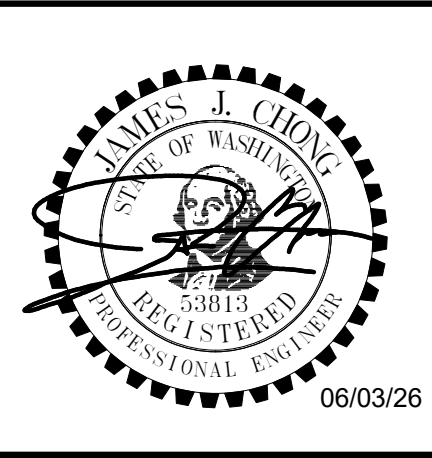
- PROVIDE UNSWITCHED HOT CONDUCTOR FOR EMERGENCY LIGHTING BATTERY CHARGING.
- PROPOSED ROUTING OF 1" CONDUIT BODY UP TO PV CELLS. COORDINATE EXACT ROUTING WITH MECHANICAL PRIOR TO ROUGH-IN. SEE ROOF PLAN FOR ADDITIONAL INFORMATION.
- COORDINATE LOCATION OF LIGHT FIXTURES WITH MECHANICAL EQUIPMENT PRIOR TO ROUGH IN.

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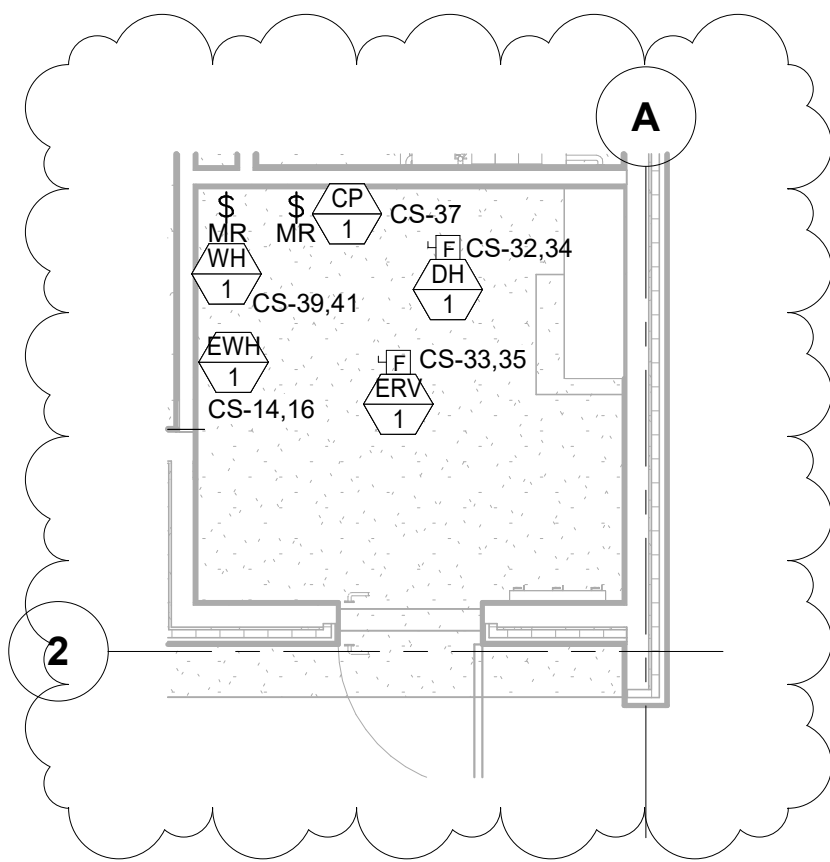
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TERRY'S CORNER PARK AND RIDE
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CAMANO, WA 98282
ELECTRICAL LIGHTING PLAN

PROJECT NO.:
SCALE: AS SHOWN
DATE: 12/13/2024
SHEET NO.

E2.01

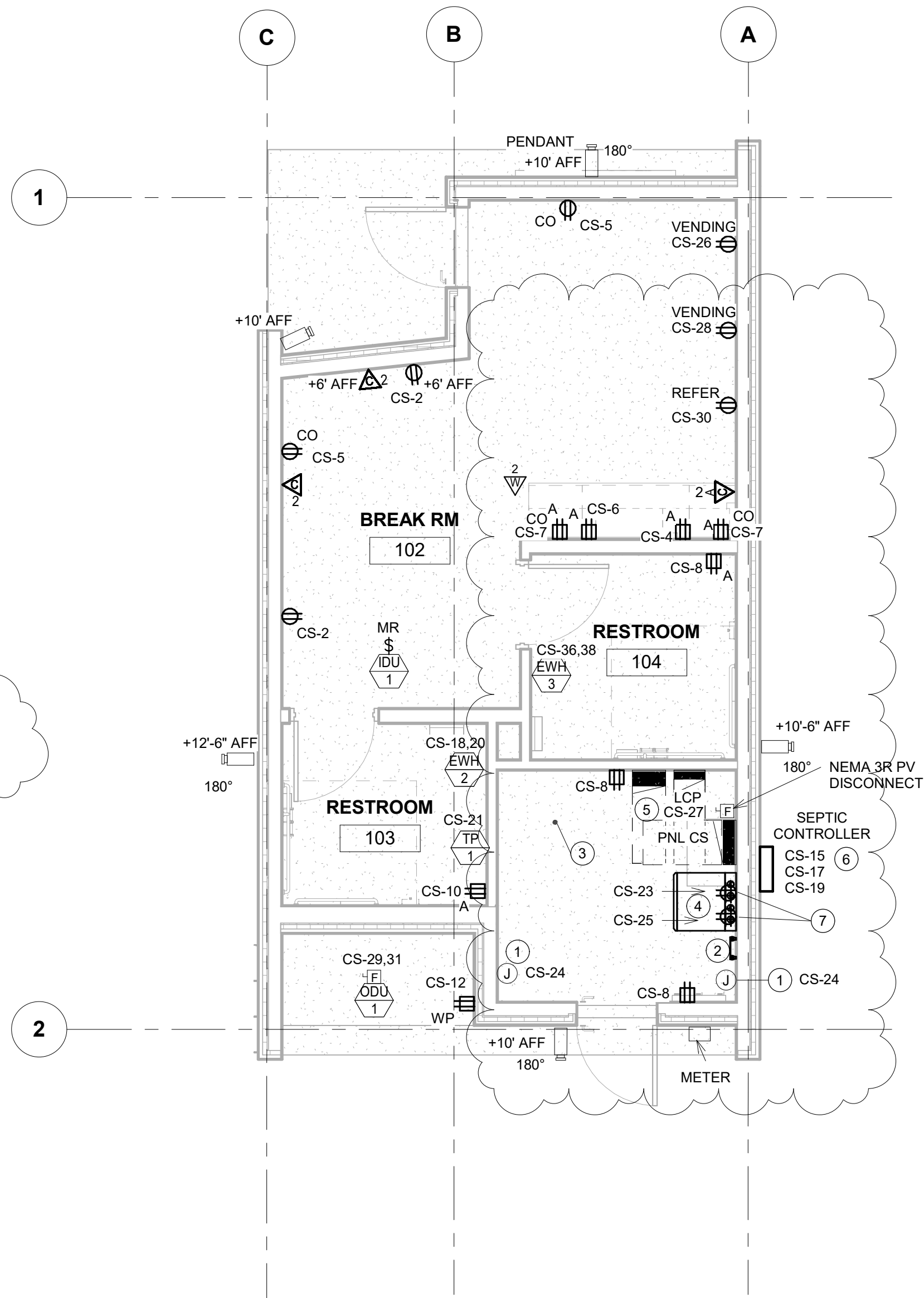


ELECTRICAL SCHEDULE FOR MECHANICAL/PLUMBING EQUIPMENT									
MECHANICAL UNIT NO.	VOLTS/PHASE	LOAD (A/W/HP)	MCA (A)	DISCONNECT/BREAKER		CONDUIT	WIRE	CFM	NOTES
				FRAME (A)	FUSE (A)				
INDOOR UNIT									
IDU-1	208/1								1
OUTDOOR UNIT									
ODU-1	208/1		19.0 A	30	25	1"	3#10, #10g		2,3,4
ERV UNIT									
ERV-1	208/1		4.3 A	30	15	3/4"	3#12, #12G		2,3,4
DUCT HEATER									
DH-1	208/1	2 KW		30	15	3/4"	3#12, #12G		2,3,4
ELECTRIC WALL HEATER									
EWH-1	208/1	1.3 KW				3/4"	3#12, #12G		
EWH-2	208/1	1.3 KW				3/4"	3#12, #12G		
EWH-3	208/1	1.3 KW				3/4"	3#12, #12G		
CIRCULATION PUMP									
CP-1	120/1	1.02 A				3/4"	2#12, #12G		
WATER HEATER									
WH-1	208/1	5 KW				1"	3#10, #10G		
TRAP PRIMER									
TP-1	120/1	1 A				3/4"	2#12, #12G		
NOTES: 1.) INDOOR UNIT POWERED BY OUTDOOR UNIT. 2.) ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DISCONNECT. 3.) PROVIDE FUSES PER MANUFACTURER'S RECOMMENDATION. 4.) PROVIDE SEPARATE CONDUIT FOR CONTROL WIRING AS REQUIRED BY MANUFACTURER									



LEVEL 1 - UTILITY ROOM - MECHANICAL PLAN

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



LEVEL 1 - POWER AND SYSTEMS

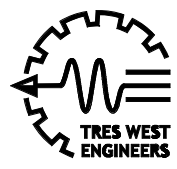
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. PROVIDE MAINTENANCE GFCI RECEPTACLE WITHIN 25' OF MECHANICAL EQUIPMENT.
2. PROVIDE NEMA 3R LOCKABLE IN-USE WEATHERPROOF COVERS FOR ALL EXTERIOR RECEPTACLES.
3. COORDINATE ELECTRICAL UTILITY REQUIREMENTS WITH SNOPOD. VALERIE SMITH - VRSMITH@SNOPOD.COM - 1-425-783-1000.
4. COORDINATE TELECOMMUNICATIONS UTILITY REQUIREMENTS WITH ASTOUND BROADBAND - 1-800-427-8686

PLAN NOTES

- ① PROVIDE CONNECTION TO MOTORIZED DAMPER. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.
- ② PROVIDE 10" MINIMUM GROUNDING BUS BAR. CONNECT TO BUILDING ELECTRICAL GROUNDING SYSTEM.
- ③ PROVIDE 1" CONDUIT, LB FITTING, AND SUPPORTS FOR FUTURE PV SYSTEM. COORDINATE EXACT PENETRATION LOCATION WITH OWNER/ARCHITECT/ENGINEER PRIOR TO ROUGH IN.
- ④ PROVIDE WALL MOUNTED SWING 12U RACK AND 4'x8'x3/4" FIRE RATED PLYWOOD. CPM MODEL A3-22B8-11122-C11 OR APPROVED EQUAL.
- ⑤ PROVIDE PV INVERTER. REFER TO SHEET E4.01 FOR ADDITIONAL INFORMATION. COORDINATE LOCATION WITH OTHER TRADES IN JAN/ELEC ROOM.
- ⑥ PROVIDE (3/3)4" PVC CONDUITS BELOW GRADE FROM PANEL CS TO SEPTIC CONTROLLER LOCATION FOR CIRCUITS. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF SEPTIC CONTROLLER PRIOR TO ROUGH IN.
- ⑦ MOUNT RECEPTACLE BELOW DATA CABINET.



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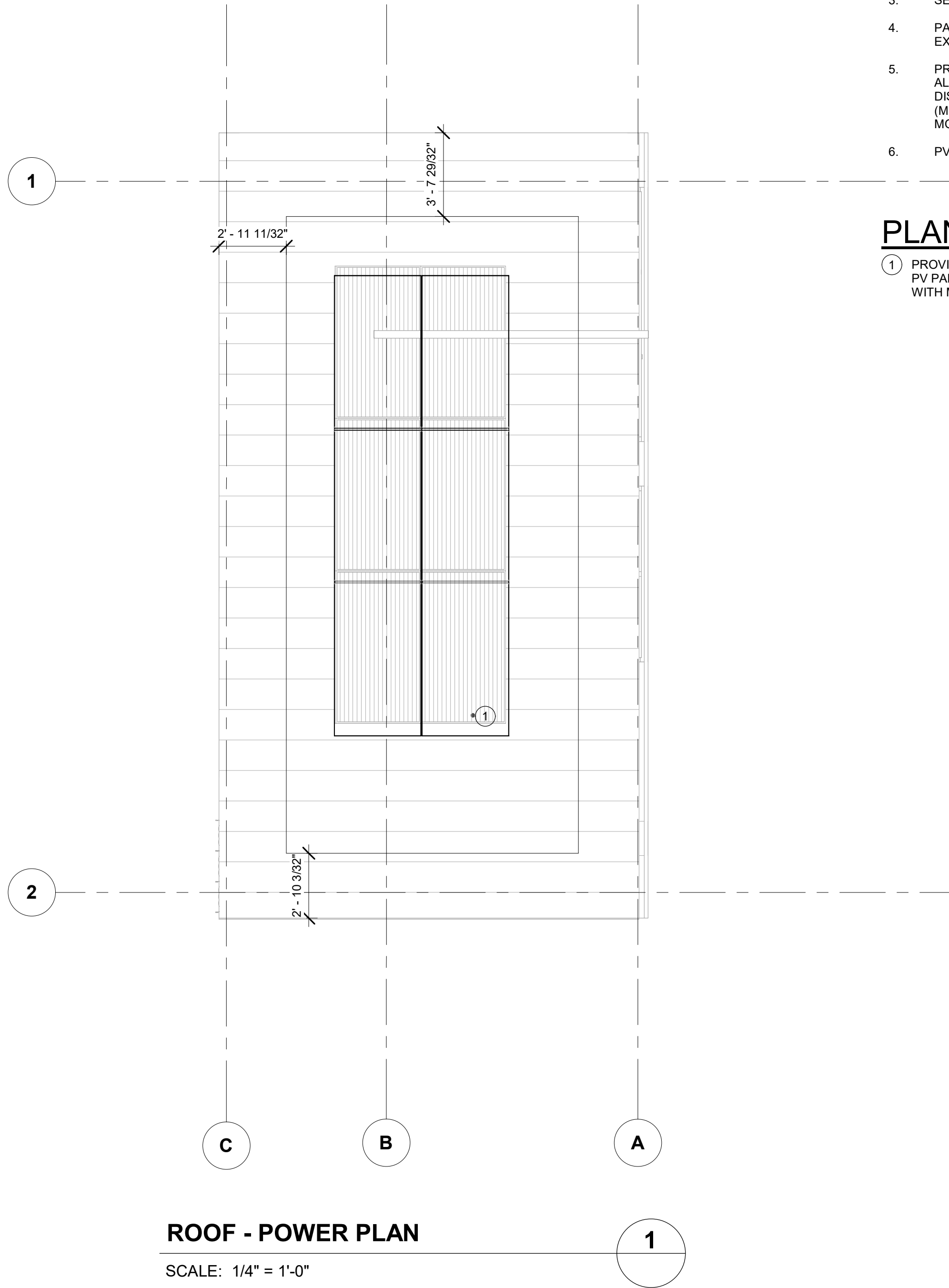
NO.	DATE	REVISION
0	12/13/2024	ISSUED FOR CONSTRUCTION
1	6/3/2026	REVISED PERMIT/ISSUED FOR CONSTRUCTION

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

ELECTRICAL POWER AND SYSTEMS PLAN

PROJECT NO.:	
SCALE:	AS SHOWN
DATE:	12/13/2024
SHEET NO.	

E3.01



GENERAL NOTES

- COORDINATE FINAL LAYOUT WITH ROOFTOP PENETRATIONS.
- INSTALLATION SHALL COMPLY WITH 2018 INTERNATIONAL FIRE CODE SECTION 1204 AND 2018 WASHINGTON STATE FIRE CODE SECTION 1204.1.
- SEE SHEETS E3.01 AND E4.01 FOR ADDITIONAL INFORMATION.
- PAINT, PATCH, AND SEAL ALL PENETRATIONS TO MATCH EXISTING CONDITIONS AS REQUIRED.
- PROVIDE COMPLETE SOLAR PHOTOVOLTAIC SYSTEM. PROVIDE ALL REQUIRED INTERCONNECT CABLES, DC AND AC DISCONNECT SWITCH, BRANCH CIRCUITS, SOLAR PV PANELS (MODULES), METERING EQUIPMENT, MOUNTING HARDWARE, MOUNTING CLIPS AND BRACKETS AND SEISMIC SUPPORTS.
- PV SYSTEM SHALL NOT EXCEED 1000VDC.

PLAN NOTES

- PROVIDE CONDUIT STUB-UP TO PV PANEL. LOCATE CONDUIT BELOW PV PANELS. PROVIDE AND COORDINATE 1" LB AND 1" CONDUIT BODY WITH MECHANICAL AND ARCHITECT PRIOR TO ROUGH-IN.

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ELECTRICAL ROOF PLAN

PROJECT NO.:	
SCALE:	AS SHOWN
DATE:	12/13/2024
SHEET NO.	

E3.02

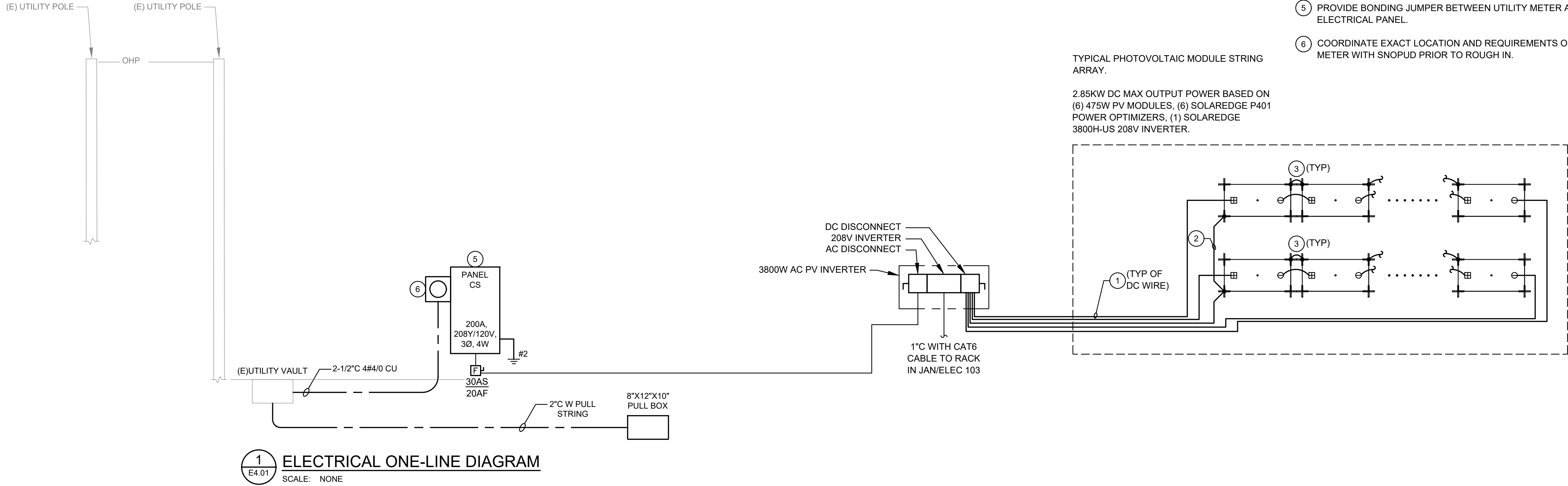


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06/03/26

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PANEL		LOCATION: EXTERIOR					208/120 VOLT		225 AMP BUS RATING		SCCR: 22,000 A	
CS		SERVING: BUILDING					3 PHASE		200 AMP MAIN BREAKER		AFC: 9,050 A	
		FED FROM: UTILITY					4 WIRE				MOUNTING: SURFACE	
CKT	LOAD DESCRIPTION		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE	LOAD DESCRIPTION		CKT
1	INTERIOR LIGHTING		L	0.300	20/1	A	20/1	0.360	R	REC - BREAK ROOM		2
3	EXTERIOR LIGHTING		L	0.050	20/1	B	20/1	0.180	R	REC - BREAK ROOM		4
5	REC - BREAK ROOM CONTROLLED		R	0.360	20/1	C	20/1	0.180	R	REC - BREAK ROOM		6
7	REC - BREAK ROOM CONTROLLED		R	0.360	20/1	A	20/1	0.360	R	REC - UTILITY ROOM		8
9	EXTERIOR SIGN		L	0.100	20/1	B	20/1	0.180	R	REC - BATHROOM		10
11	SPARE		S	-	20/1	C	20/1	0.180	R	REC - EXTERIOR		12
13	SPARE		S	-	20/1	A	20/2	1.300	H	EWH-1 (1)		14
15	SEPTIC SYSTEM		D	1.920	20/1	B	-	-	-	-		16
17	SEPTIC SYSTEM		D	1.920	20/1	C	20/2	1.300	H	EWH-2 (1)		18
19	SEPTIC SYSTEM		D	1.920	20/1	A	-	-	-	-		20
21	TRAP PRIMER		D	0.120	20/1	B	20/1	-	S	SPARE		22
23	REC - TELECOM RACK		D	1.000	20/1	C	20/1	0.250	D	MOTORIZED DAMPERS		24
25	REC - TELECOM RACK		D	1.000	20/1	A	G20/1	0.500	R	REC - BREAK ROOM VENDING MACH		26
27	LIGHTING CONTROL PANEL		D	0.250	20/1	B	G20/1	0.500	R	REC - BREAK ROOM VENDING MACH		28
29	ODU-1, IDU-1		M	3.952	30/2	C	G20/1	1.000	A	REC - REFRIGERATOR		30
31	-		-	-	-	A	20/2	2.000	H	DH-1		32
33	ERV-1		M	4.300	20/2	B	20/2	1.300	H	EWH-3 (1)	34	
35	-		-	-	-	C					36	
37	CP-1		M	0.122	20/1	A					38	
39	WH-1		WH	5.000	30/2	B	40/2	0.980	B	PHOTOVOLTAICS		40
41	-		-	-	-	C	-	-	-	-		42
PHASE LOAD		PHASE A= 9.85		KVA	PHASE B= 9.60		KVA	PHASE C= 12.82		KVA		
LOAD TYPE		L	R	M	H	WH	EV	D	A	K	LM	TOTAL LOADS
CONN. LOAD		0.45	3.16	8.37	5.90	5.00		8.38	1.00		4.30	32.26 KVA 89.56 AMP
CALC. LOAD		0.56	3.16	8.37	5.90	5.00		8.38	1.00		1.08	33.45 KVA 92.85 AMP
REQUIRED		NEMA-3R ENCLOSURE					SERVICE-ENTRANCE RATED					
OPTIONS:		FEED-THRU LUGS					INTEGRAL SPD					
NOTES: 1) PROVIDE BREAKER CAPABLE OF BEING LOCKED IN OPEN POSITION.												
G - GFCI BREAKER												

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ELECTRICAL ONE-LINE DIAGRAM

PROJECT NO.:

SCALE: AS SHOWN

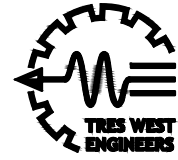
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SHEET NO.

E4.01



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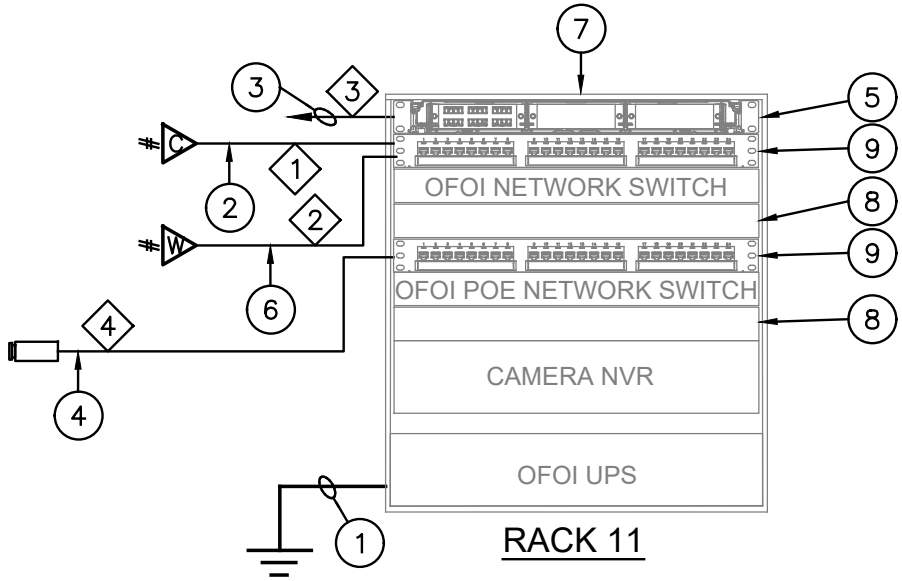


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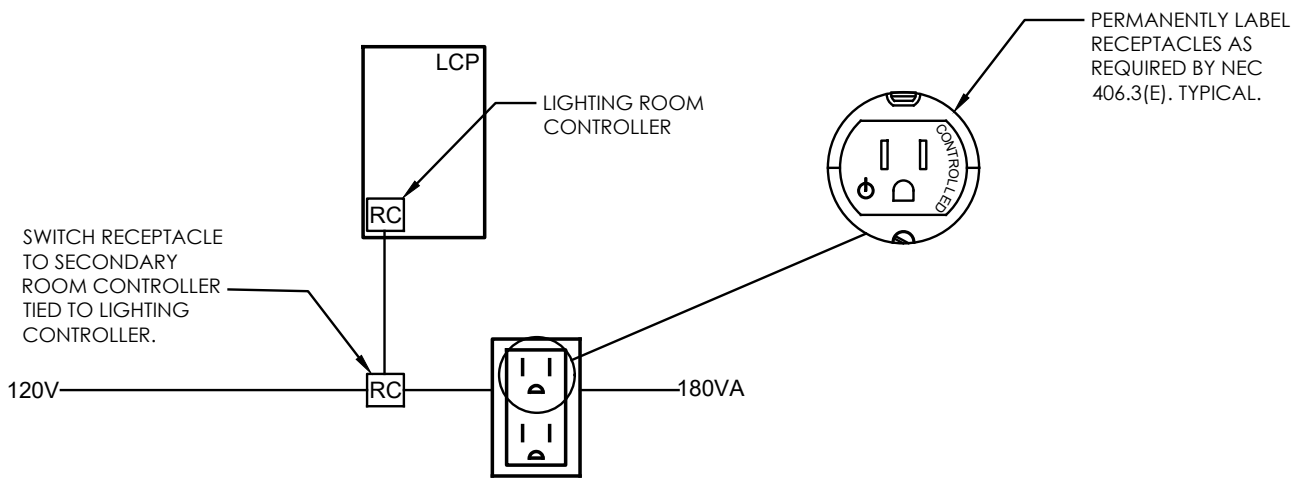
CABLE SCHEDULE		
TYPE	DESCRIPTION	REMARKS
1	FOUR PAIR UTP CATEGORY 6 CABLE, QUANTITY PER DEVICE AS NOTED ON FLOOR PLANS	1,2
2	FOUR PAIR CAT 6 CABLE FOR WIRELESS ACCESS POINT QUANTITY PER DEVICE AS NOTED ON FLOOR PLANS	1,2
3	(1) 12-STRAND INDOOR/OUTDOOR PLENUM RATED OM3 MULTIMODE FIBER OPTIC CABLING	3
4	FOUR PAIR UTP CATEGORY 6 CABLE FOR CAMERAS, QUANTITY AS INDICATED ON PLANS.	1,2
SCHEDULE NOTES: 1. UTP CABLE TO BE ROUTED FROM OUTLETS IN CONDUITS 2. ALL DATA CABLES SHALL BE TERMINATED AT A PATCH PANEL. 3. ROUTE IN 1" INNERDUCT THROUGH CONDUIT SLEEVES .		

PLAN NOTES

- 1
- PROVIDE GROUND BUS BAR KIT CPI #10622-010 ON WALL AS INDICATED ON FLOOR PLAN. GROUND BUS BAR ON WALL TO CLOSEST NEC CODE RECOGNIZED GROUND. GROUND ALL RACKS FROM GROUND LUG AT EACH RACK TO BUS BAR ON WALL. ALL GROUND WIRE SHALL BE #6 AWG INSULATED CU GROUND LUG ON RACK TO BE CPI PART #08009-001.
- 2
- SEE FLOOR PLANS FOR LOCATIONS OF TELECOMMUNICATION OUTLETS. PROVIDE QUANTITY OF CAT 6 DROPS PER OUTLET AS INDICATED INSIDE TELECOM SYMBOL ON FLOOR PLANS. ALL CABLING WILL PUNCH DOWN ON PATCH PANELS IN THE JAN/ELEC ROOM AND THEN WILL BE PATCHED FOR VOICE OR DATA WITH PATCH CORDS.
- 3
- PROVIDE BACKBONE FIBER FROM DEMARC LOCATION TO RACK.
- 4
- SEE FLOOR PLANS FOR LOCATIONS OF IPVS CAMERAS. PROVIDE (1) CAT 6 DROP PER CAMERA LOCATION. ALL CABLING WILL PUNCH DOWN ON PATCH PANELS IN THE UTILITY ROOM INDICATED ON PLANS.
- 5
- PROVIDE COMMSCOPE #760248335 RACK MOUNTED FIBER PATCH PANEL WITH (1) COMMSCOPE #760245730, AND (3) COMMSCOPE BLANK ADAPTER PLATE FOR TERMINATION OF INCOMING BACKBONE MULTIMODE FIBER OPTIC CABLES.
- 6
- SEE FLOOR PLANS FOR LOCATIONS OF WIRELESS ACCESS POINT OUTLETS. PROVIDE QUANTITY OF CAT 6 DROPS AS SHOWN ON PLANS. ALL CABLING WILL PUNCH DOWN ON PATCH PANELS IN THE JAN/ELEC ROOM INDICATED ON PLANS.
- 7
- PROVIDE WALL MOUNTED SWING GATE RACK, CPI UNIVERSAL RACK PART A3-22BB-11122-C11 OR APPROVED EQUAL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 8
- PROVIDE UTP WIRE MANAGEMENT PANELS AS SHOWN, CPI 30139-719.
- 9
- PROVIDE RACK MOUNTED CAT 6 MODULAR TO 110 UTP PATCH PANEL AND TERMINATE ALL UTP CABLES. COMMSCOPE PART #760237040.



1
-
UTILITY ROOM TELECOM RACK
SCALE: NTS

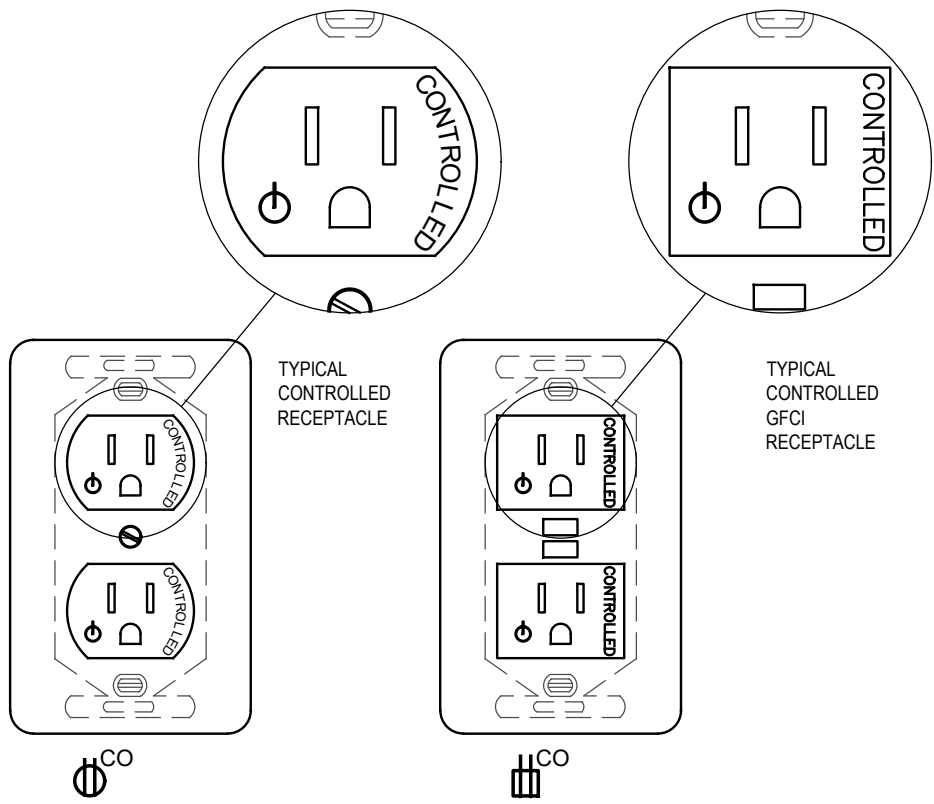


3
-
CONTROLLED RECEPTACLE DIAGRAM TYPICAL
SCALE: NONE

STANDALONE LIGHTING CONTROL NARRATIVE

PROVIDE LIGHTING CONTROL AS INDICATED BY DRAWINGS AND SEQUENCE OF OPERATIONS LOCATED ON DRAWINGS E2.01.

DEVICES IN THIS DETAIL ARE FOR DESIGN INTENT ONLY. WIRE LIGHTING CONTROL SYSTEM AS REQUIRED BY SYSTEM PROVIDED IN BID. PROVIDE SHOP DRAWINGS SHOWING LOCATIONS OF ALL DEVICES AND WIRING DIAGRAMS OF EACH ROOM. DEVICES SHALL BE PLACED AS REQUIRED BY MANUFACTURER RECOMMENDATIONS. SHOP DRAWINGS SHOWING DEVICES OVERLAYED ON TOP OF DEVICES SHOWN ON DRAWING WILL BE REJECTED.



2
-
CONTROLLED DUPLEX RECEPTACLES
SCALE: NONE

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JAMES J. CHONG
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
53813
06/03/26

NO.	DATE	REVISION
0	12/13/2024	ISSUED FOR CONSTRUCTION
1	6/2/2026	REVISED PERMIT/ISSUED FOR CONSTRUCTION

ISLAND TRANSIT TERRY'S CORNER
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TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

ELECTRICAL DETAILS

PROJECT NO.:

SCALE: AS SHOWN

DATE: 12/13/2024

SHEET NO.

E5.01

MECHANICAL GENERAL NOTES

- STANDARD CURRENT TRADE PRACTICES & METHODS APPLY TO THIS PROJECT. ALL WORK IS TO MEET REQUIREMENTS OF ALL CURRENT CODE & LOCAL JURISDICTIONAL REQUIREMENTS AND AMENDMENTS. THESE CODES INCLUDE BUT ARE NOT LIMITED TO WASHINGTON STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, UNIFORM PLUMBING CODE, NFPA, INTERNATIONAL FIRE CODE, & LOCAL JURISDICTIONAL REQUIREMENTS. COMPLY WITH ALL MANUFACTURER'S REQUIREMENTS. COORDINATE WITH OWNER'S REPRESENTATIVE FOR ANY VARIANCES.
 2. DRAWINGS ARE DIAGRAMMATIC ONLY & NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. VERIFY LOCATION & MEASUREMENTS OF ALL ITEMS ON THE JOB SITE PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE ALL OFFSETS & ADDITIONAL DUCTWORK & PIPING AS NECESSARY TO AVOID STRUCTURAL ELEMENTS ON THE PROJECT. CONTRACTOR SHALL PRODUCE SHOP DRAWINGS & COORDINATE WITH OTHER TRADES. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER FOR THIS COORDINATION OR FOR EXTRA MATERIAL REQUIRED IN ORDER TO ACCOMPLISH THIS TASK.
 3. PROVIDE COMPLETE & FULLY-OPERATING SYSTEMS.
 4. COORDINATE LOCATIONS OF ALL EQUIPMENT & APPURTENANCES WITH OTHER TRADES.
 5. ALL EQUIPMENT SHALL BE REGULARLY CATALOGED ITEMS OF THE MANUFACTURER & SHALL BE SUPPLIED AS A COMPLETE UNIT IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD SPECIFICATIONS. ANY OPTIONAL ITEMS REQUIRED FOR PROPER INSTALLATION SHALL BE INCLUDED UNLESS OTHERWISE NOTED.
 6. ANY CUTTING, PATCHING & PAINTING OF BUILDING ELEMENTS & FINISHED SURFACES IS TO BE DONE BY THE GENERAL CONTRACTOR.
 7. ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE.
 8. ALL EQUIPMENT SHALL BE LABELED PER PLANS & THE REQUIREMENTS OF THE SPECIFICATIONS.
 9. RATING OF ACCESS DOORS AND/OR ACCESS PANELS THROUGH FIRE-RATED WALLS, SHAFTS, CEILINGS, ETC., MUST EQUAL THE FIRE RATING OF THE MATERIAL PENETRATED.
 10. CAULK & FLASH ALL PENETRATIONS PER CODE.
 11. ADJUSTING & BALANCING: ADJUST EACH PART OF SYSTEM TO ENSURE PROPER FUNCTIONING OF ALL CONTROLS & SPECIFIED AIR DISTRIBUTION. LEAVE ENTIRE SYSTEM IN OPERATING CONDITION.
 12. PROVIDE OPERATING & MAINTENANCE MANUALS (O&Ms), RECORD DRAWINGS, & OWNER TRAINING.
 13. PROVIDE NATIONAL ELECTRICAL CODE (NEC) MINIMUM WORKING CLEARANCE IN FRONT OF ANY ELECTRICAL PANEL, INCLUDING PANELS ON EQUIPMENT. RE-ROUTE OR OFFSET PIPING AND/OR DUCTWORK AS REQUIRED.
 14. DOMESTIC HOT WATER CIRCULATORS SHALL BE CONTROLLED BY AN AQUASTAT, & SHALL SHUT DOWN WHEN WATER TEMPERATURE IS AT SETPOINT. DOMESTIC HOT WATER CIRCULATION SHALL HAVE SHUT-OFF CAPACITY BASED ON OCCUPANCY AND PERIODS OF DEMAND.
 15. DOMESTIC PIPING SHALL BE INSULATED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE. DOMESTIC HOT WATER PIPE INSULATION SHALL BE K=0.24, 1" THICK, EXCEPT RUNOUTS UP TO 12" SHALL BE 1/2" THICK. DOMESTIC COLD WATER PIPE INSULATION SHALL BE K=0.24, 1" THICK FOR PIPING LARGER THAN 1", & 1/2" THICK FOR PIPING 1" & LESS & RUNOUTS LESS THAN 2" DIAMETER UP TO 12". INCREASE THICKNESS BY 1/2" FOR PIPING EXPOSED DIRECTLY TO OUTDOOR CONDITIONS.
 16. SERVICE WATER PIPING INSULATION CONDUCTIVITY IS NOT TO EXCEED 0.27 BTU PER INCH/H"SQ.FT" DEGREE F. INSULATION THICKNESS SHALL BE PER TABLE C403.10.3.
 17. PROTECT PIPING INSULATION PER REQUIREMENTS OF WSEC C403.10.3.1
 18. PROVIDE COMMISSIONING OF THE HVAC SYSTEM. INCLUDE FUNCTIONAL TESTING SEQUENCE OF OPERATION & TEST PROCEDURES PER WASHINGTON STATE ENERGY CODE. SEE SPECIFICATIONS FOR SPECIFIC EQUIPMENT TESTING REQUIREMENTS. ITEMS TO BE COMMISSIONED ARE: CONTROL SYSTEMS, AIR HANDLERS, HEAT PUMPS. AIR SYSTEMS SHALL BE BALANCED SO AS TO FIRST MINIMIZE THROTTLING LOSSES, THEN ADJUSTED TO MEET DESIGN FLOW CONDITIONS. PROVIDE PRELIMINARY AND FINAL COMMISSIONING REPORTS. SUBMIT FIGURE C408.1.4.1 COMPLIANCE CHECKLIST FROM WASHINGTON STATE ENERGY CODE TO AUTHORITY HAVING JURISDICTION UPON COMPLETION OF PRELIMINARY COMMISSIONING REPORT. PROVIDE CLOSEOUT DOCUMENTS IN COMPLIANCE WITH C103.6
 19. PROVIDE AIR SYSTEM BALANCING DEVICES, INCLUDING VOLUME DAMPERS, AND ZONE DAMPERS ON TERMINALS AS SHOWN ON PLANS. TEST AND BALANCE ALL SYSTEMS
 20. PROVIDE WATER SYSTEM BALANCING DEVICES, INCLUDING ISOLATION VALVES, BALANCING VALVES, AND FLOW MEASURING DEVICES AS SHOWN ON PLANS.
 21. CEILING FANS, EQUIPMENT, DIFFUSERS, & GRILLES SHALL BE COORDINATED WITH PLACEMENT OF LIGHT FIXTURES.
 22. VENTILATION SHALL BE PROVIDED PER IMC CHAPTER 4. MECHANICALLY VENTILATED SYSTEMS SHALL BE CAPABLE OF REDUCING THE OUTDOOR AIR SUPPLY TO THE MINIMUM REQUIRED BY CHAPTER 4 OF THE IMC.
 23. TEMPERATURE CONTROLS SHALL BE MINIMUM OF 7-DAY PROGRAMMABLE TYPE PROVIDING SETPOINT TEMPERATURES, NIGHT SETBACK, MANUAL OVERRIDE, & MINIMUM 5-DEGREE DEADBAND. CONTROLS SHALL ALLOW FOR OPTIMUM START.
 24. SEAL & TEST ALL DUCTWORK AS REQUIRED PER IMC, WSEC C403.10.2 LEAKAGE REQUIREMENTS, & IBC VAPOR RETARDER REQUIREMENTS. DUCTWORK DESIGN PRESSURE IS 2".
 25. ALL SHEET METAL DUCTWORK SHALL BE INSULATED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE. CONCEALED DUCTWORK LOCATED WITHIN THE CONDITIONED SPACE SHALL BE INSULATED WITH A MINIMUM OF R-3.3. DUCTWORK LOCATED IN UNCONDITIONED SPACES SHALL BE INSULATED WITH A MINIMUM OF R-6. WHERE LOCATED OUTSIDE OF THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER), DUCTWORK SHALL BE INSULATED WITH A MINIMUM OF R-8
 26. ALL SHEET METAL PRODUCTS SHALL COMPLY WITH SMACNA DUCT CONSTRUCTION STANDARDS, CURRENT EDITION.
 27. ALL RECTANGULAR DUCTWORK SIZES SHOWN ARE GALVANIZED SHEET METAL UNLESS NOTED OTHERWISE. ROUND DUCT SHALL BE SHEET METAL. PROVIDE TURNING VANES IN ALL ROUND 2-PIECE AND RECTANGULAR 90 DEGREE ELBOWS.
 28. ALL DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
 29. WHERE FLEXIBLE DUCT IS SHOWN AT GRILLES, REGISTERS, AND DIFFUSERS, PROVIDE 6' MAXIMUM LENGTH OF FLEXIBLE DUCT.
 30. PROVIDE FLEXIBLE CONNECTORS AT DUCT CONNECTIONS TO ALL AIR HANDLING EQUIPMENT.
 31. SUPPORT FOR SUSPENDED EQUIPMENT SHALL INCLUDE APPURTENANCES AS NOTED IN ASHRAE AND REQUIRED IN CODE FOR SEISMIC/WAY BRACING.
 32. PROVIDE VOLUME DAMPERS AT ALL GRILLES, REGISTERS, & DIFFUSERS IN ADDITION TO OPPOSED BLADE DAMPERS.
 33. MOTORIZED DAMPERS SHALL BE CLASS 1 AND HAVE A MAXIMUM LEAKAGE RATE OF 4 CFM/SQUARE FOOT AT 1.0" W.G.
 34. REFERENCE BUILDING HVAC LOAD CALCULATIONS FOR EQUIPMENT CAPACITIES. NO HUMIDIFICATION PROVIDED. NO SIMULTANEOUS HEATING/COOLING ALLOWED.
 35. CONTROLS SHALL CLOSE ALL OSA DAMPERS WHEN EQUIPMENT IS NOT RUNNING IN COMPLIANCE WITH

MECHANICAL ABBREVIATIONS

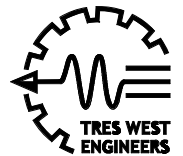
Ø	DIAMETER, PHASE	HP	HEAT PUMP, HORSEPOWER
A	AIR	HTR	HEATER
ABV	ABOVE	HVAC	HEATING, VENTILATION & AIR CONDITIONING
AC	AIR CONDITIONING UNIT	IN	INCH
ADA	AMERICANS WITH DISABILITIES ACT	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	L	LENGTH
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	LAT	LEAVING AIR TEMPERATURE
ALUM	ALUMINUM	LF	LINEAR FEET
AMB	AMBIENT	LL	REFRIGERANT LIQUID LINE
APD	AIR PRESSURE DROP	LRA	LOCKED ROTOR AMPS
APPROX	APPROXIMATE	LVG	LEAVING
ARCH	ARCHITECT	LVR	LOUVER
	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS, INC.	LWT	LEAVING WATER TEMPERATURE
ASHRAE		MAT	MIXED AIR TEMPERATURE
		MAX	MAXIMUM
BDD	BACKDRAFT DAMPER	MBH	THOUSANDS OF BTUH
BHP	BRAKE HORSEPOWER	MCA	MINIMUM CIRCUIT AMPACITY
BLDG	BUILDING	M.C.	MECHANICAL CONTRACTOR
BTUH	BRITISH THERMAL UNIT PER HOUR	MECH	MECHANICAL
CAP	CAPACITY	MED	MEDIUM
CD	CEILING DIFFUSER	MERV	MINIMUM EFFICIENCY REPORTING VALUE
CFH	CUBIC FEET PER HOUR	MFR	MANUFACTURER
CFM	CUBIC FEET PER MINUTE	MIN	MINIMUM
CL	CENTER LINE	MISC	MISCELLANEOUS
CLG	CEILING	MOCP	MAXIMUM OVERCURRENT PROTECTION
CO	CLEANOUT	MUA	MAKE-UP AIR
COND	CONDENSATE PIPING	NC	NOISE CRITERIA, NORMALLY CLOSED
CONN	CONNECTION	NO	NORMALLY OPEN
COP	COEFFICIENT OF PERFORMANCE	NO.	NUMBER
CP	CONDENSATE PUMP	NOM	NOMINAL
CU	CONDENSING UNIT, CUBIC	NTS	NOT TO SCALE
DB	DRY BULB	OA	OUTSIDE AIR
DIA	DIAMETER	OC	ON CENTER
DIAG	DIAGRAM	OSA	OUTSIDE AIR
DIFF	DIFFERENTIAL	PD	PRESSURE DROP
DIM	DIMENSION	PH	PHASE
DN	DOWN	POC	POINT OF CONNECTION
DX	DIRECT EXPANSION	PSI	POUNDS PER SQUARE INCH
DWG	DRAWING	QTY	QUANTITY
(E)	EXISTING	RA	RETURN AIR
EA	EXHAUST AIR	RCP	REFLECTED CEILING PLAN
EAT	ENTERING AIR TEMPERATURE	RD	ROOF DRAIN
E.C.	ELECTRICAL CONTRACTOR	REL	RELIEF
ECG	EGGCRATE GRILLE	REQD	REQUIRED
EER	ENERGY EFFICIENCY RATIO	RET	RETURN
EF	EXHAUST FAN	RH	ROOF HOOD
EFF	EFFICIENCY	RLA	RATED LOAD AMPS
EG	EXHAUST GRILLE	SA	SUPPLY AIR
ELEC	ELECTRIC	SCH	SCHEDULE
ELEV	ELEVATION	SG	SUPPLY GRILLE
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM	SL	REFRIGERANT SUCTION LINE
ENT	ENTERING	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION, INC.
EQUIP	EQUIPMENT	SPEC	SPECIFICATION
ESP	EXTERNAL STATIC PRESSURE	STD	STANDARD
ET	EXPANSION TANK	SUP	SUPPLY
ETC	AND SO FORTH	TG	TRANSFER GRILLE
EUH	ELECTRIC UNIT HEATER	TOP	TOP OF PIPE
EVAP	EVAPORATOR, EVAPORATIVE	TP	TOTAL PRESSURE
EW	EYE WASH	TSP	TOTAL STATIC PRESSURE
EWH	ELECTRIC WATER HEATER	T'STAT	THERMOSTAT
EWT	ENTERING WATER TEMPERATURE	TYP	TYPICAL
EX	EXHAUST	UH	UNIT HEATER
EXT	EXTERIOR, EXTERNAL	V	VOLTS
°F	DEGREES FAHRENHEIT	VAC	VACUUM
FLA	FULL LOAD AMPS	VAV	VARIABLE AIR VOLUME UNIT
FLR	FLOOR	VD	VOLUME DAMPER
FLEX	FLEXIBLE	VEL	VELOCITY
FPM	FEET PER MINUTE	VENT	VENTILATION, VENTILATOR
FPS	FEET PER SECOND	VFD	VARIABLE FREQUENCY DRIVE
FT	FEET, FINNED TUBE	WB	WET BULB
G.C.	GENERAL CONTRACTOR	WSEC	WASHINGTON STATE ENERGY CODE
GPH	GALLONS PER HOUR	WSFU	WATER SUPPLY FIXTURE UNIT
GPM	GALLONS PER MINUTE		

MECHANICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COLD WATER (CW)		AQUASTAT
	HOT WATER (HW)		PUMP
	HOT WATER CIRC (HWC)		RELIEF VALVE
	WASTE OR SAN. SEWER		CIRCUIT SETTER
	VENT (V)		BALANCING VALVE
	FIRE MAIN/FIRE SPRINKLER PIPING		REDUCER
	CONDENSATE PIPING		STRAINER
	REFRIGERANT GAS		UNION
	REFRIGERANT LIQUID		DRAIN VALVE WITH HOSE CONNECTION OR HOSE BIBB
	PIPE DOWN		BACKFLOW PREVENTER ASSEMBLY
	PIPE UP		FLOOR DRAIN (FD)
	BRANCH - TOP CONNECTION		AUTOMATIC OR MANUAL AIR VENT (AAV, MAV)
	BRANCH - BOTTOM CONNECTION		VACUUM BREAKER
	BRANCH - SIDE CONNECTION		PRESSURE GAUGE
	CAP END OF PIPE		THERMOMETER
	FLOW DIRECTION		EXPANSION JOINT
	FLUSH CLEANOUT (FCO) OR SURFACE CLEANOUT (SCO) AS INDICATED		REDUCED PRESSURE BACKFLOW PREVENTER
	WALL CLEANOUT (WCO)		POINT OF CONNECTION
	CLEANOUT (CO)		DUCT UP (ROUND)
	VENT THRU ROOF (VTR)		DUCT DOWN (ROUND)
	GATE VALVE (GV)		12/12, RR 300 CFM
	GLOBE VALVE		CEILING AIR TERMINAL - SQUARE
	VALVE IN RISER		FLEXIBLE DUCT
	BUTTERFLY VALVE		VOLUME DAMPER (VD)
	PRESSURE REDUCING VALVE (PRV)		MOTORIZED DAMPER
	CHECK VALVE (CV)		FLEXIBLE CONNECTION (DUCT)
	BALL VALVE (BV)		ROOM TEMPERATURE SENSOR/THERMOSTAT
	FREEZEPROOF WALL HYDRANT (FWH) HOSE BIBB (HB)		ROOM TEMPERATURE SENSOR/THERMOSTAT WITH GUARD
	TEMPERATURE/PRESSURE RELIEF VALVE (T&PV)		

MECHANICAL SHEET LIST

Sheet Number	Sheet Name
M0.01	MECHANICAL GENERAL NOTES AND LEGEND
M0.02	MECHANICAL SCHEDULES
M0.03	MECHANICAL DETAILS
M2.01	MECHANICAL PLANS
M3.01	MECHANICAL SECTIONS
P0.01	PLUMBING GENERAL NOTES AND ABBREVIATIONS
P0.02	PLUMBING LEGEND AND SCHEDULES
P0.03	PLUMBING SCHEDULES
P0.04	PLUMBING DETAILS
P0.05	PLUMBING DETAILS
P2.01	PLUMBING PLAN
P3.01	PLUMBING ROOF PLAN
P4.01	WASTE & VENT RISER DIAGRAM



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MECHANICAL GENERAL NOTES AND LEGEND

MECHANICAL GENERAL NOTES AND LEGEND

PROJECT NO.: 2200478

SCALE: AS SHOWN

DATE: 6/3/2026

SHEET NO.

MO.01

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CITY MULTI VRF INDOOR UNIT SCHEDULE																						
UNIT NO.	MANUFACTURER	MODEL	AREA SERVED	CFM	TYPE	NOMINAL COOLING CAPACITY (BTUH)	NOMINAL HEATING CAPACITY (BTUH)	COOLING DESING ENTERING TEMP. DB/WB (°F)	HEATING DESIGN ENTERING TEMP. DB/WB (°F)	CORRECTED CAPACITY			ESTIMATED COOLING COIL LAT (°F)	ESTIMATED HEATING COIL LAT (°F)	REFRIGERANT PIPE DIM. LIQUID/SUCTI ON (INCH)	COND. DRAIN PIPE (IN)	SOUND PRESSURE PER FAN SPEED	VOLTAGE / PHASE	MCA/MFS	CONDENSAT E REMOVAL RATE	WEIGHT (POUNDS)	NOTES
										COOLING TOTAL CAPACITY (BTUH)	COOLING SENSIBLE CAPACITY (BTUH)	HEATING CAPACITY (BTUH)										
IDU-1	MITSUBISHI ELECTRIC TRANE HVAC US	TPKA0A0241KA70A	ENTRY 101, BREAK RM 102, JAN/ELEC 103, RR 104	700	WALL MOUNTED	24,000	26,000	78/66	70	24,559.1	18,176.0	16,697.7	55.9	90	5/8, 3/8		39-42-45	208/1	POWERED BY OUTDOOR UNIT	1.3	46	1,2,3,4,5,6,7,8
1. UNIT SHALL BE R-410A. 2. PROVIDE WITH FACTOR MICROPROCESSOR CONTROLS. 3. PROVIDE WITH INTERNAL CONDENSATE PUMP. 4. PROVIDE WITH WITH MOUNTED BRACKET ASSEMBLY. 5. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67 °F (DB/WB), OUTDOOR OF 95 °F (DB)						6. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70 °F (DB), OUTDOOR OF 43 °F (WB) 7. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES. 8. CORRECTED CAPACITY COOLING OUTDOOR DB 79°, HEATING OUTDOOR 21°.																

CITY MULTI VRF OUTDOOR UNIT SCHEDULE																				
UNIT NO.	MANUFACTURER	MODEL	NOMINAL COOLING CAPACITY (BTUH)	NOMINAL HEATING CAPACITY (BTUH)	COOLING EFFICIENCY SEER	HEATING COP @ 47° F HSPF	NOM SYSTEM CONNECTED CAPACITY (% OF NOM)	DESIGN COOLING OUTDOOR TEMP DB (°F)	DESIGN HEATING OUTDOOR TEMP WB (°F)	REFRIGERANT PIPE DIM HIGH/LOW PRESSURE (INCH)	CORRECTED COOLING TOTAL CAPACITY (BTUH)	CORRECTED HEATING CAPACITY (BTUH)	SOUND PRESSURE (dba)	PRELIMINAR Y ADDED FIELD CHARGE (SEE NOTE 5)	ELECTRICAL PER MODULE				WEIGHT (POUNDS)	NOTES
															VOLTAGE / PHASE	MCA	RFS	MOCP		
ODU-1	mitsubishi electric trane hvac us	TRUZA0241HA70NA	24,000	26,000	21.40	11	100%	79	18.8	3/8 5/8	24,559.1	16,697.7	47/48		208/1 PH	19	25	26	153	1, 2, 3
1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67° F (DB/WB), OUTDOOR OF 95° F (DB) 2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70° F (DB), OUTDOOR OF 43° F (WB) 3. EFFICIENCY VALUES FOR EER, IEER, COP ARE BASED ON AHRI 1230 TEST METHOD FOR MIXTURE OF DUCTED & NON-DUCTED INDOOR UNITS.																				

ENERGY RECOVERY UNIT SCHEDULE																				
UNIT NO.	MANUFACTURER	MODEL	AREA SERVED	SUPPLY FAN				EXHAUST FAN				EXCHANGE EFFICIENCY			ELECTRICAL CONNECTION			SOUND LEVEL dBA	WEIGHT (POUNDS)	NOTES
				CFM	ESP	KW	HP	CFM	ESP	KW	HP	TEMPERATURE	ENTHALPY COOLING %	ENTHALPY HEATING %	VOLT/PH	MCA	MOCP			
ERV-1	mitsubishi electric trane hvac us	TLGHF0300RVX02A	ENTRY 101, BREAK RM 102, JAN/ELEC 103, RR 104	250	1	0.235	0.3133	250	1	0.235	0.3133	65.5%	50%	63.5%	208/1 PH	4.3				1, 2, 3, 4, 5, 6, 7, 8
1. PROVIDE WITH OSA, ALUMINUM MESH FILTERED, MOTORIZED DAMPER FOR OUTSIDE AIR INTAKE AND EXHAUST OUTLET. 2. PROVIDE FAN SPEED CONTROLS. 3. ENERGY RECOVERY EFFICIENCY SHALL BE RATED FOR BOTH SENSIBLE AND LATENT. 4. PROVIDE WITH STANDARD WASHABLE FILTER AND OPTIONAL MERV 16 FILTER. 5. PROVIDE WITH FACTORY STAND ALONE CONTROLLER PZ-61DR-E. CONTROLLER TO ALSO CONTROL OUTSIDE AIR AND EXHAUST AIR DAMPERS. 6. SYSTEM SHALL OPERATE DURING OCCUPIED HOURS. MOUNT CONTROLLER IN JANITOR'S CLOSET. 7. VENTILATION HEATING AIR IS TEMPERED TO 65°F. 8. ERV TO OPERATE 24/7																				

DUCT HEATER SCHEDULE									
UNIT NO	MANUFACTURER	MODEL	AREA SERVED	DUCT DIMENSIONS (INSIDE)		ELECTRIC SUPPLY		NOTES	
				W (WIDTH)	H (HEIGHT)	KW	VOLT/PH		
DH-1	GREENHECK	IDHE	ERV-1	10	8	2	208/1 PH	1, 2, 3	
1.	PROVIDE DUCT HEATERS WITH FACTORY 24 VOLT FAN RELAY INTERLOCK. CONTROL CONTRACTOR SHALL MOUNT AND WIRE THE FACTORY FAN RELAY INTERLOCK.								
2.	FACTORY CONTROLS SET LAT @ 65°F.								
3.	PROVIDE WITH SCR CONTROL.								

ELECTRIC WALL HEATER SCHEDULE									
UNIT NO	MANUFACTURER	MODEL	AREA SERVED	MOUNTING	POWER CONNECTION		DIMENSIONS WxDxH	WEIGHT (POUNDS)	NOTES
					VOLT/PH	WATTS			
EW-H-1	CADET	COM-PAK BATH	UTILITY 105	WALL	208/1 PH	1300	8"x10-1/8"x4"D	8	PROVIDE WITH GRILLE KIT AND INTEGRAL THERMOSTAT
EW-H-2	CADET	COM-PAK BATH	RESTROOM 103	WALL	208/1 PH	1300	8"x10-1/8"x4"D	8	PROVIDE WITH GRILLE KIT AND INTEGRAL THERMOSTAT
EW-H-3	CADET	COM-PAK BATH	RESTROOM 104	WALL	208/1 PH	1300	8"x10-1/8"x4"D	8	PROVIDE WITH GRILLE KIT AND INTEGRAL THERMOSTAT

AIR TERMINAL SCHEDULE	
SYMBOL	AIR TERMINAL - SIZES AS NOTED ON PLANS
CEGH	CEILING EXHAUST GRILLE: TITUS MODEL 50-F 1/2"x1/2"x1/2" EGGCRATE GRILLE FOR INSTALLATION IN HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE
OSASR	OUTSIDE AIR SUPPLY REGISTER: TITUS MODEL 300FS FOR INSTALLATION ON EXPOSED DUCTWORK OR WALL. 3/4" BLADE SPACING. DOUBLE DEFLECTION. INDIVIDUALLY ADJUSTABLE BLADES. FRONT BLADES PARALLEL TO SHORT DIMENSION. INCLUDE OPPOSED BLADE VOLUME DAMPER. MANUFACTURER'S STANDARD OFF-WHITE FINISH.
WTG	WALL TRANSFER GRILLE: TITUS 350RL WITH HORIZONTAL 35° DEFLECTION BLADES SPACED 3/4". MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE TURN BLADES UP.
WEG	WALL EXHAUST GRILLE: TITUS 350RL STEEL GRILLE WITH 35° DEFLECTION LOUVERS SPACED 3/4". MANUFACTURER'S STANDARD OFF-WHITE FINISH. INCLUDE OPPOSED-BLADE VOLUME DAMPER.
WPL	WEATHERPROOF LOUVER: GREENHECK MODEL EVH-501 WIND-DRIVEN RAIN LOUVER. FRAME SHALL BE HEAVY GAUGE EXTRUDED 6063-T5 ALUMINUM, 5"x0.081". NOMINAL WALL THICKNESS. BLADES SHALL BE VERTICAL RAIN RESISTANT STYLE, HEAVY GAUGE EXTRUDED 6063-T5 ALUMINUM 0.060" POSITIONED ON APPROXIMATELY 1.5" SPACING. PROVIDE 3/4"x0.051" FLATTENED EXPANDED ALUMINUM BIRD SCREEN IN REMOVABLE FRAME INSIDE MOUNT. MILL FINISH. FINAL COLOR PAINT TO MATCH WALL.

TABLE C403.10.1.1 OUTDOOR AIR DUCTWORK INSULATION					
DUCT SYSTEM	DUCT LOCATION AND USE	CLIMATE ZONE	AIR FLOW	MINIMUM INSTALLED DUCT INSULATION R-VALUE a, b	NOTES
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	4C AND 5B	≥ 2800 CFM	R-16	SEE SECTION C403.10.1.1 FOR ADDITIONAL REQUIREMENTS
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER TO HVAC UNIT OR ROOM	4C	≥ 2800 CFM	R-8	
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER	5B	≥ 2800 CFM	R-12	
OUTDOOR AIR	INSIDE CONDITIONED SPACE	4C AND 5B	≤ 2800 CFM	R-7	SEE EXCEPTION 1 TO SECTION C403.10.1.1 FOR ADDITIONAL DETAILS

TABLE C403.10.1.2 SUPPLY, RETURN, EXHAUST AND RELIEF AIR DUCTWORK INSULATION				
DUCT SYSTEM	DUCT LOCATION AND USE	CLIMATE ZONE	MINIMUM INSTALLED DUCT INSULATION R-VALUE a, b	NOTES
SUPPLY AIR OR RETURN AIR	OUTSIDE THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER) c	4C	R-8	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	OUTSIDE THE BUILDING (OUTDOORS AND EXPOSED TO WEATHER) c	5B	R-12	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	UNCONDITIONED SPACE (ENCLOSED BUT NOT IN THE BUILDING CONDITIONED ENVELOP)	4C AND 5B	R-6	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR OR RETURN AIR	UNCONDITIONED SPACE WHERE THE DUCT CONVEYS AIR THAT IS WITHIN 15° F OF THE AIR TEMPERATURE OF THE SURROUNDING UNCONDITIONED SPACE	4C AND 5B	R-3.3	SEE IMC SECTION 603.12 FOR ADDITIONAL REQUIREMENTS FOR CONDENSATION CONTROL AT DUCTWORK
SUPPLY AIR OR RETURN AIR	WHERE LOCATED IN A BUILDING ENVELOPE ASSEMBLY	4C AND 5B	R-16	DUCT OR PLENUM IS SEPARATED FROM BUILDING ENVELOPE ASSEMBLY WITH THE MINIMUM INSULATION VALUE
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F	4C AND 5B	R-3.3	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR	WITHIN CONDITIONED SPACE THAT THE DUCT DIRECTLY SERVES WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F	4C AND 5B	NONE	SEE SECTION C403.10.1.2 FOR DETAILS
SUPPLY AIR	WITHIN CONDITIONED SPACE WHERE THE SUPPLY DUCT CONVEYS AIR THAT IS LESS THAN 55° F OR GREATER THAN 105° F OR LESS	4C AND 5B	NONE	
RETURN OR EXHAUST AIR	WITHIN CONDITIONED SPACE DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C	R-8	
RETURN OR EXHAUST AIR	WITHIN CONDITIONED SPACE DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	5B	R-12	
RELIEF OR EXHAUST AIR	CONDITIONED SPACE DOWNSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C AND 5B	R-16	
a. INSULATION R-VALUES, MEASURED IN h.ft2." F/Btu, ARE FOR THE INSULATION AS INSTALLED AND DO NOT INCLUDE FILM RESISTANCE. THE REQUIRED MINIMUM THICKNESS DO NOT CONSIDER WATER VAPOR TRANSMISSION AND POSSIBLE SURFACE CONDENSATION. INSULATION RESISTANCE MEASURED ON A HORIZONTAL PLANE IN ACCORDANCE WITH ASTM C518 AT A MEAN TEMPERATURE OF 75° F AT THE INSTALLED THICKNESS. b. SEE INTERNATIONAL MECHANICAL CODE SECTIONS 603.12 AND 604 FOR FURTHER DETAILS ON DUCT INSULATION REQUIREMENTS. c. INCLUDES ATTICS ABOVE INSULATED CEILINGS. PARKING GARAGES AND CRAWL SPACES.				

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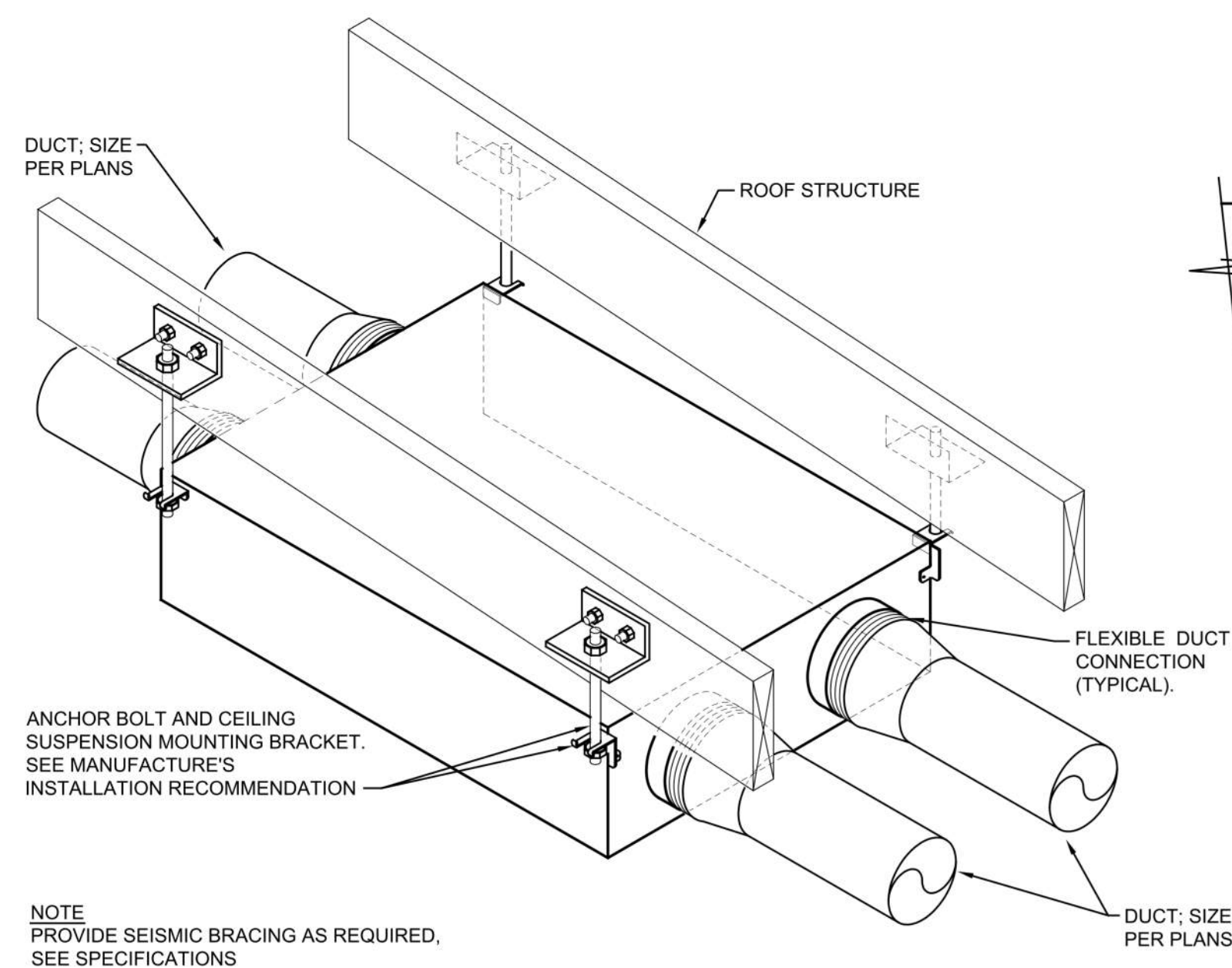
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			0	12/13/2024	1	6/3/2026														

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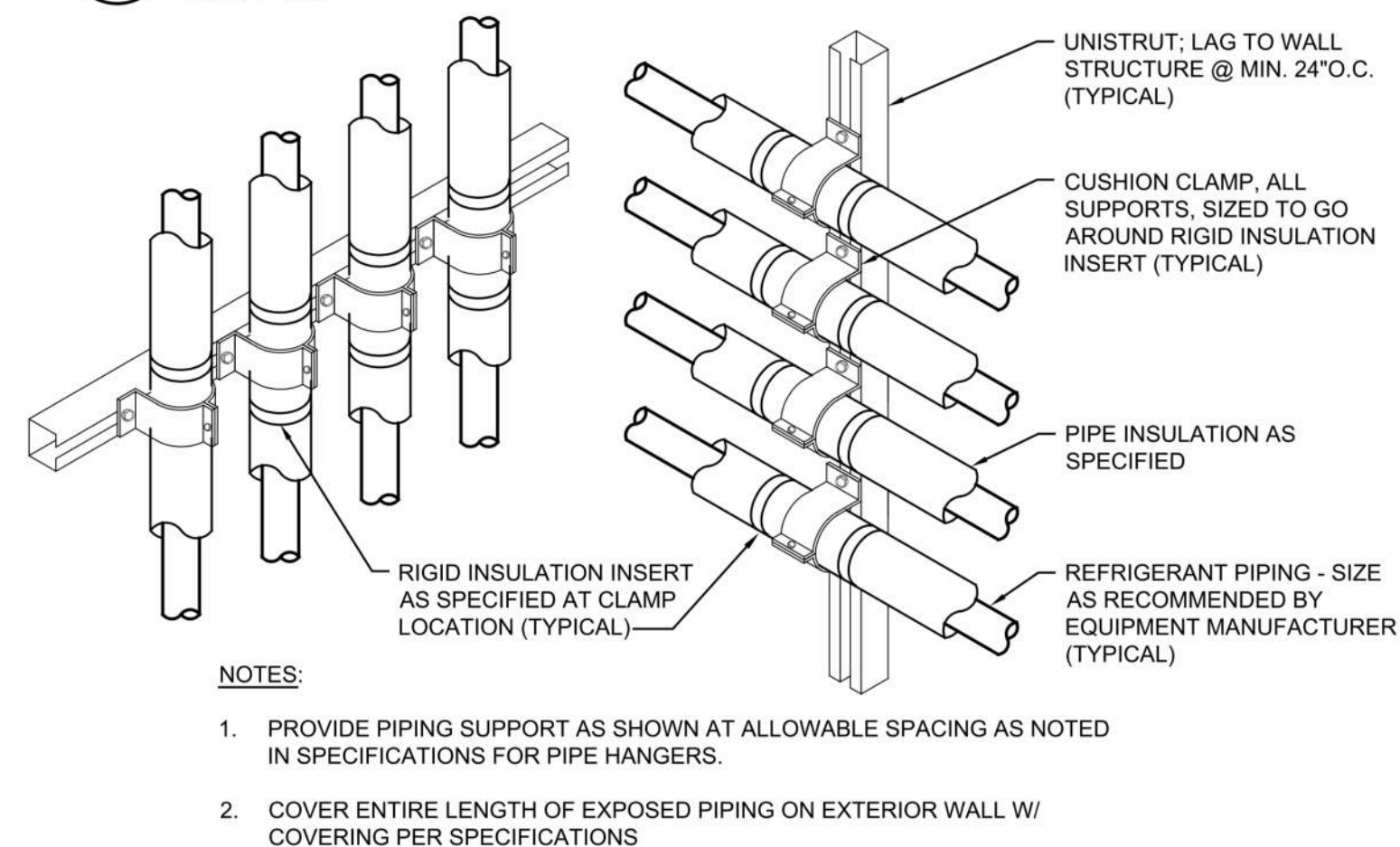
MECHANICAL SCHEDULES

PROJECT NO.:	2200478
SCALE:	AS SHOWN
DATE:	6/3/2026
SHEET NO.	

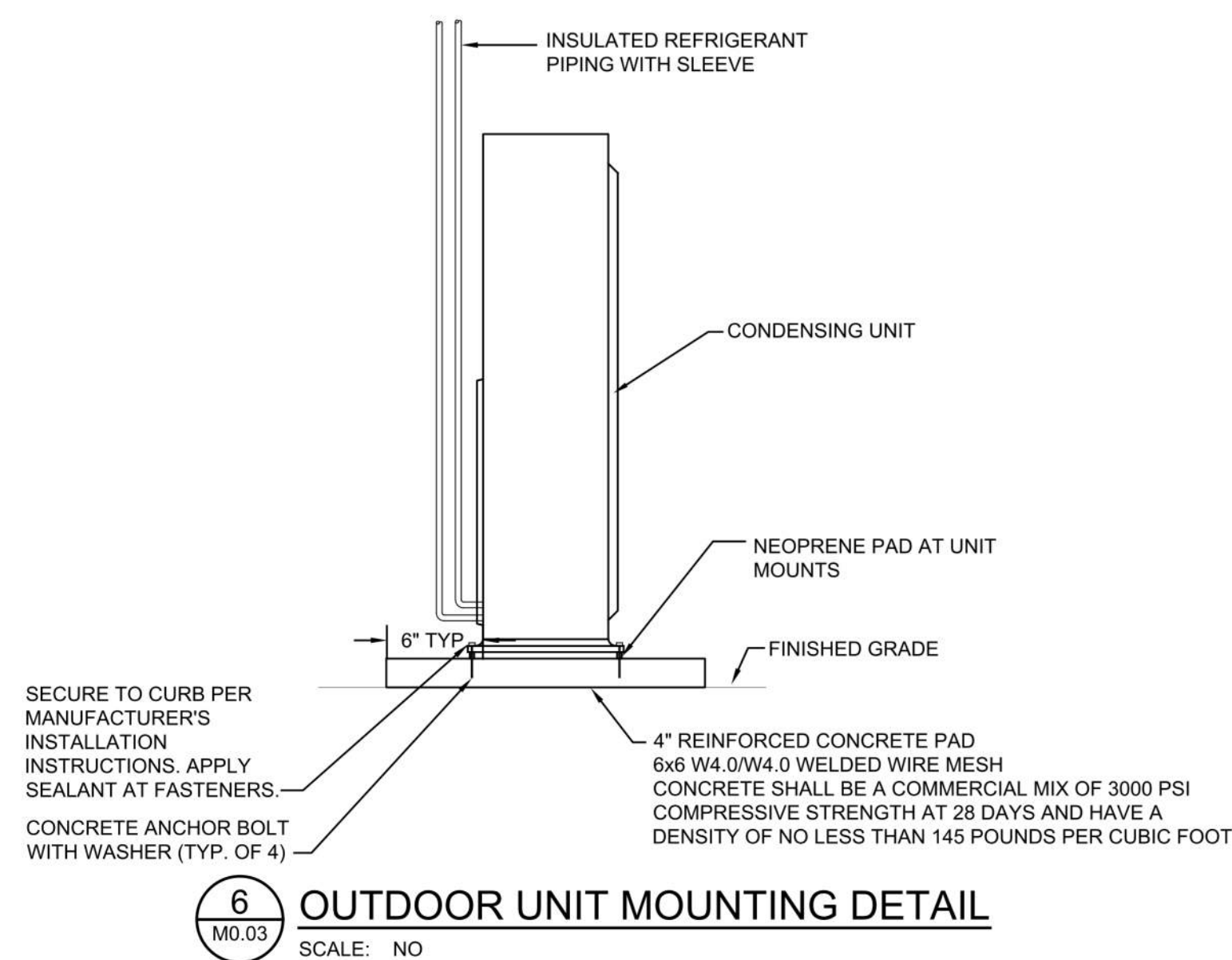
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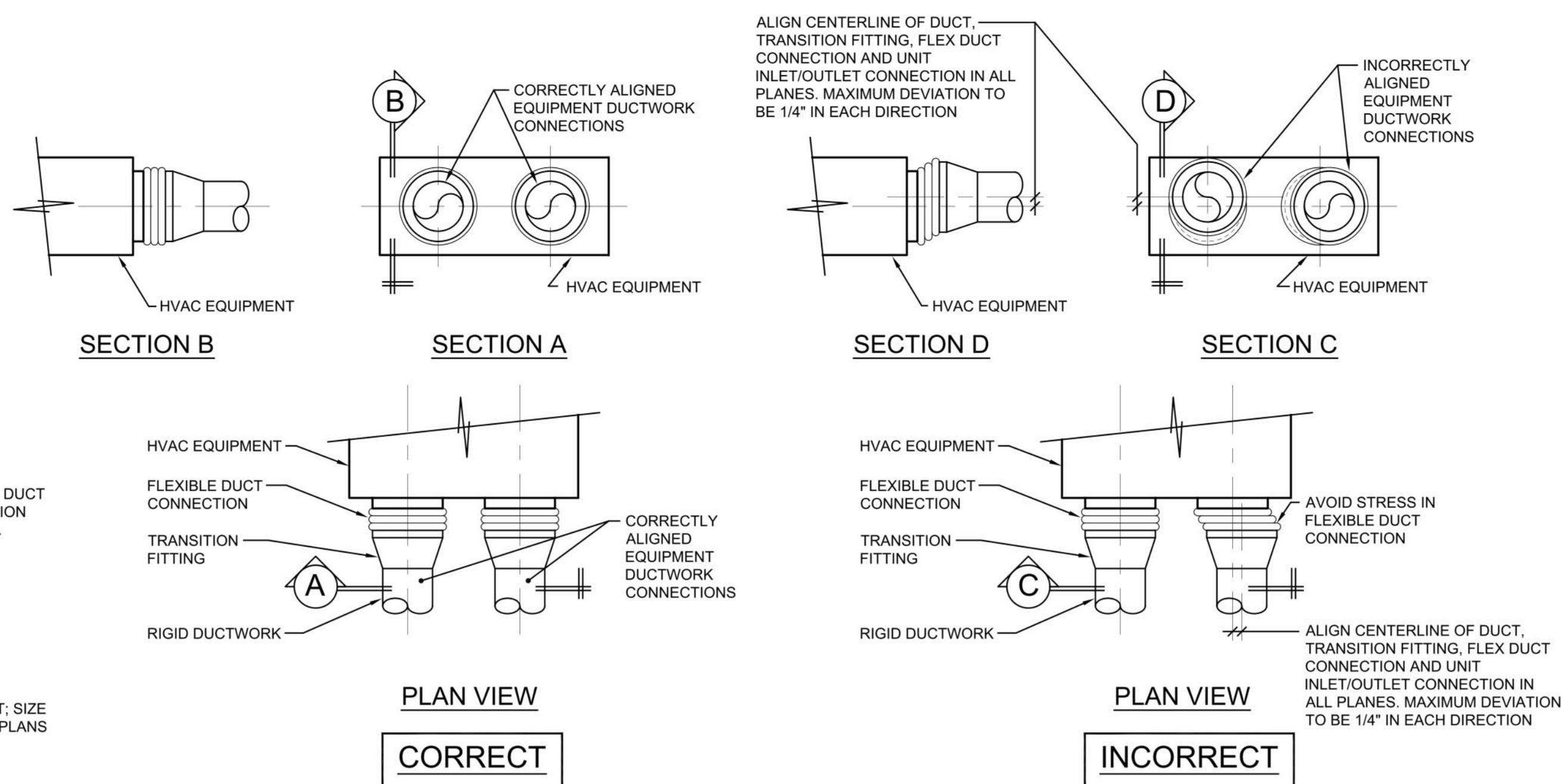
1 ERV-1 INSTALLATION DETAIL



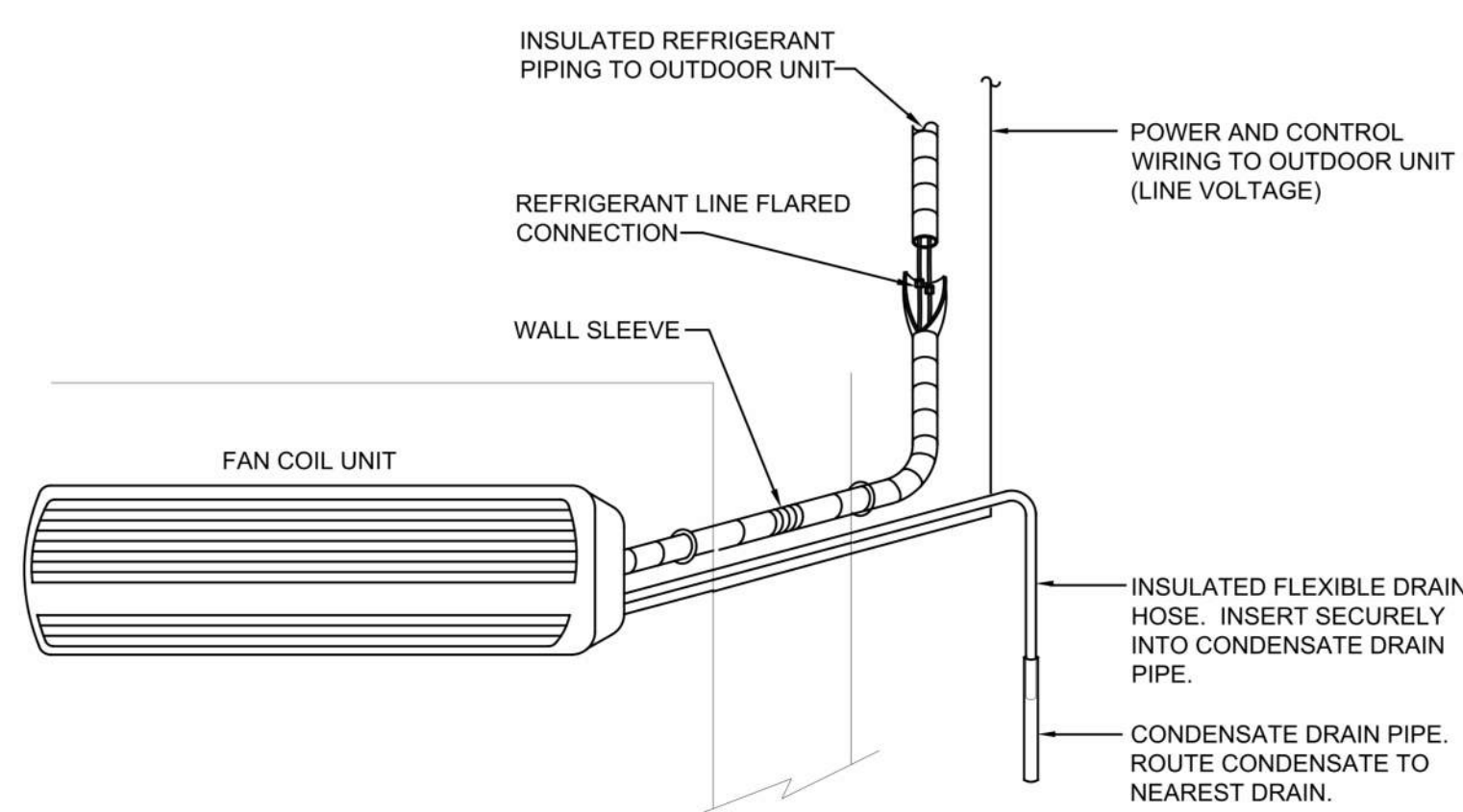
4 REFRIGERANT PIPING RACKING ON BUILDING EXTERIOR



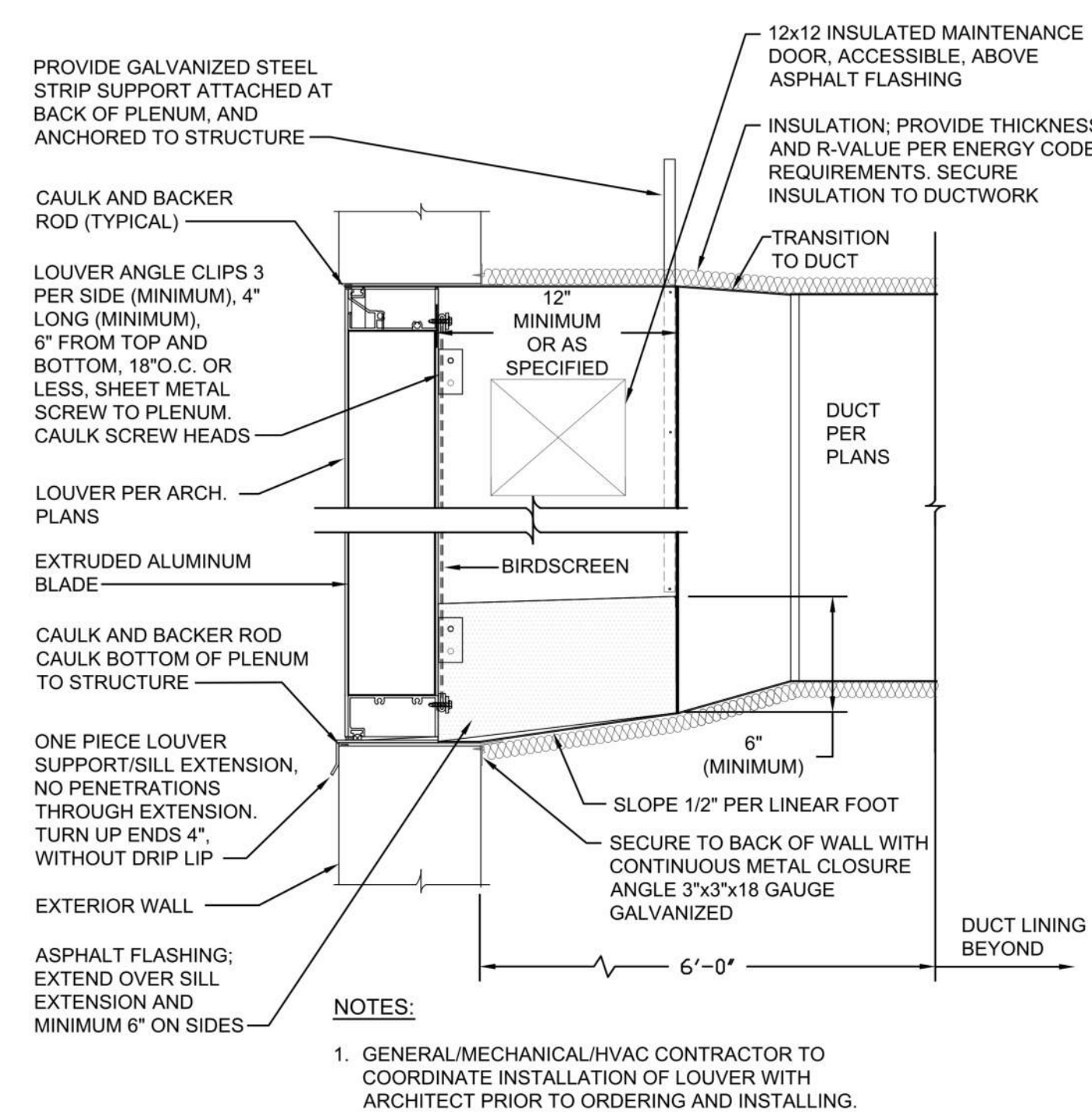
3 SUPPLY/RETURN AIR CAN CONNECTION
MO.03 SCALE: NO



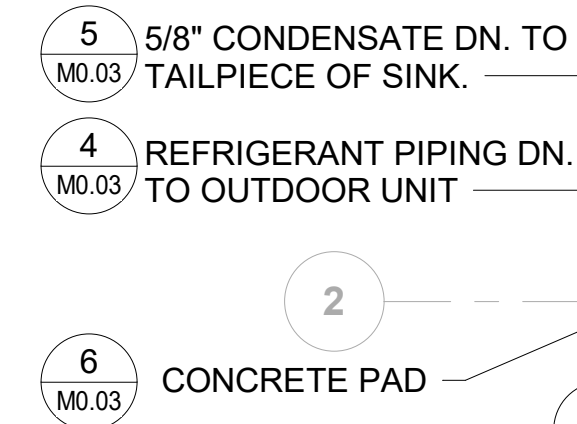
5 CONDENSATE DRAIN TO TAILPIECE OF SINK
M0.03 SCALE: NO



7 WALL MOUNTED INDOOR UNIT DETAIL



8 WEATHERPROOF LOUVER INSTALLATION DETAIL
M0.03 SCALE: NO

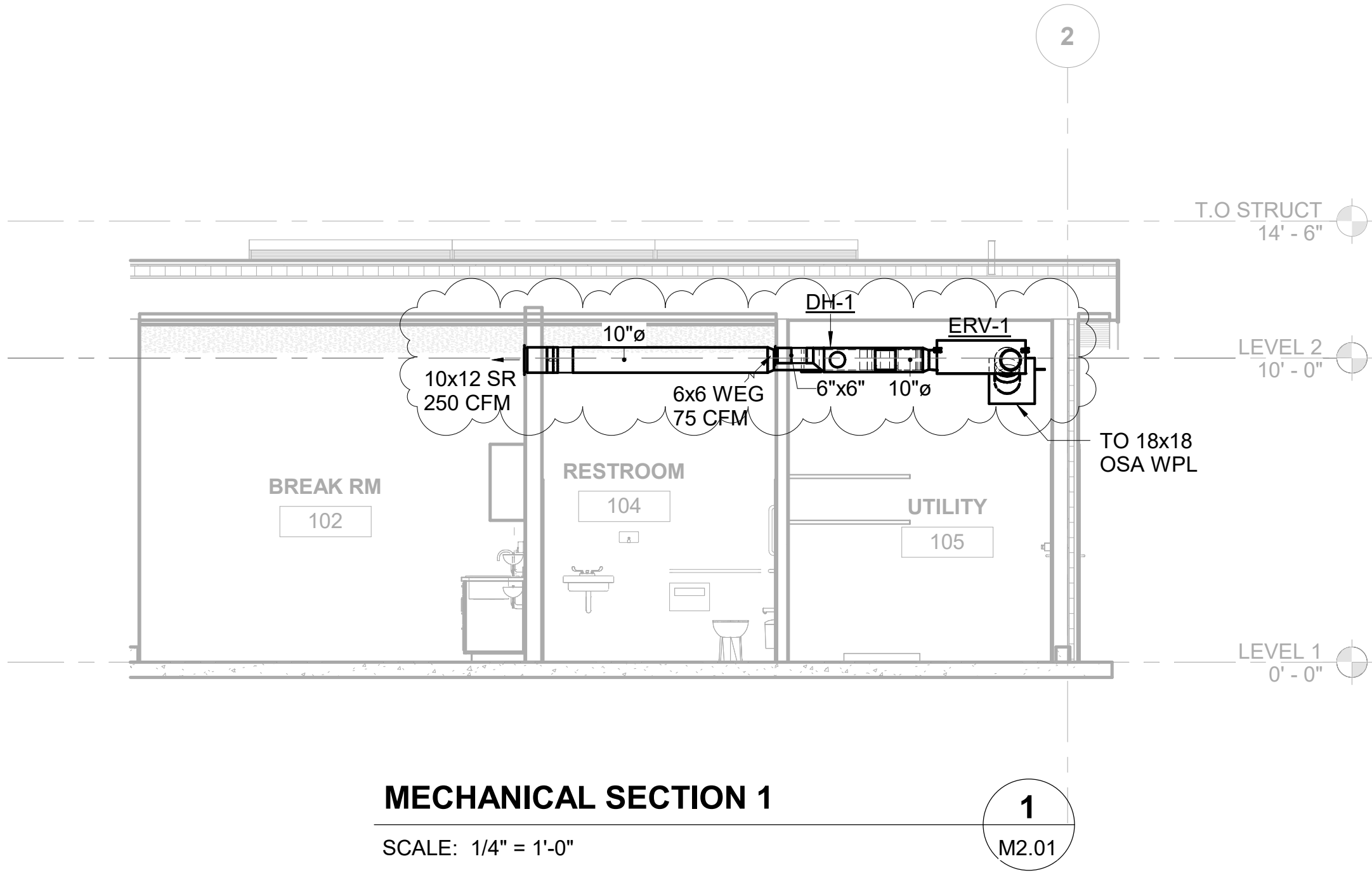


SCALE: 1/4" = 1'-0"

M3.01

PLAN NOTES:

- ① ROUTE CONDENSATE PIPE WITH 1/8"/FT
SLOPE TOWARD DRAIN.



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MECHANICAL SECTIONS

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PLUMBING GENERAL NOTES:

GENERAL:

- COORDINATE ALL PLUMBING WORK WITH ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL AND LANDSCAPE WORK. PROVIDE ADDITIONAL OFFSETS FOR COORDINATED INSTALLATION WHERE REQUIRED.
- COORDINATE ALL PLUMBING WORK PRIOR TO INSTALLATION. DUCTWORK AND EQUIPMENT ACCESS TAKES PRECEDENCE OVER PIPING FOR AVAILABLE SPACE.
- WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
- COORDINATE EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE PIPING DIMENSIONS BEFORE FABRICATION.
- PROVIDE 4" MINIMUM CONCRETE BASES (HOUSEKEEPING PADS) UNDER FLOOR MOUNTED PLUMBING EQUIPMENT.
- PROVIDE MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION OF PLUMBING SYSTEMS.
- LOCATE VALVES, WATER HAMMER ARRESTERS, CLEANOUTS, CONTROLS AND SIMILAR COMPONENTS SO THAT THEY ARE ACCESSIBLE. PROVIDE ACCESS DOORS FOR MECHANICAL EQUIPMENT INSTALLED BEHIND WALLS, ABOVE INACCESSIBLE CEILINGS AND BELOW FLOORS. COORDINATE ACCESS DOOR LOCATIONS WITH ARCHITECT.
- COORDINATE ATTACHMENTS TO STRUCTURE TO VERIFY THAT ATTACHMENT POINTS ON EQUIPMENT AND STRUCTURE CAN ACCEPT SEISMIC, WEIGHT, AND OTHER LOADS IMPOSED.
- MAINTAIN INDICATED FIRE AND SMOKE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT MECHANICAL PENETRATIONS. SEAL PENETRATIONS WITH FIRESTOP MATERIAL. PROVIDE MATERIAL IN ACCORDANCE WITH ASTM E 814 AND UL 1479 3M OR APPROVED.
- LOCATIONS AND SIZES OF FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH OTHER TRADES INVOLVED. INCLUDE IN THE COST OF MECHANICAL WORK, CUTTING, CORING, PATCHING AND PAINTING OF WALLS, CEILINGS, FLOORS AND ROOFS AS REQUIRED TO ACCOMMODATE WORK AS INDICATED IN THE MECHANICAL CONTRACT DOCUMENTS, UNLESS SPECIFICALLY SHOWN ON ARCHITECTURAL DRAWINGS.
- PROVIDE ELASTOMERIC FOAM MATERIAL ON MECHANICAL EQUIPMENT THAT PRESENT A SAFETY HAZARD. PAINT FOAM MATERIAL WHITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
- CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSE BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT. BEFORE SUBSTANTIAL COMPLETION, CLEAN EQUIPMENT, FIXTURES, EXPOSED DUCTS, PIPING AND SIMILAR ITEMS.
- PROVIDE EQUIPMENT THAT FITS INTO THE SPACE ALLOTTED AND ALLOWS ADEQUATE ACCEPTABLE CLEARANCE FOR INSTALLATION, REPLACEMENT, ENTRY, SERVICING AND MAINTENANCE. COORDINATE WITH OTHER TRADES TO ENSURE NO CONFLICT WITH REQUIRED CLEARANCES.
- PROVIDE OFFSETS IN PIPING WHERE PLUMBING/PIPING WALL IS LOCATED DIRECTLY ABOVE STRUCTURE. OFFSET PIPING INTO CASEWORK OR SHAFT TIGHT TO WALL AND BACK INTO WALL ONCE BELOW STRUCTURE. REFER TO STRUCTURAL DRAWINGS.
- BUILDING SPACE IS LIMITED. STRONG ATTENTION TO DETAIL AND CARE MUST BE TAKEN WHEN DEVELOPING SHOP DRAWING SO ROUTING IS COORDINATED WITH OTHER DISCIPLINES. ALL EXPOSED SYSTEMS ROUTING REQUIRES APPROVAL OF ARCHITECT.
- STANDARD CURRENT TRADE PRACTICES & METHODS APPLY TO THIS PROJECT. ALL WORK IS TO MEET REQUIREMENTS OF ALL CURRENT CODE & LOCAL JURISDICTIONAL REQUIREMENTS AND AMENDMENTS. THESE CODES INCLUDE BUT ARE NOT LIMITED TO WASHINGTON STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, UNIFORM PLUMBING CODE, NFPA, INTERNATIONAL FIRE CODE, & LOCAL JURISDICTIONAL REQUIREMENTS. COMPLY WITH ALL MANUFACTURER'S REQUIREMENTS. COORDINATE WITH OWNER'S REPRESENTATIVE FOR ANY VARIANCES.
- DRAWINGS ARE DIAGRAMMATIC ONLY & NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. VERIFY LOCATION & MEASUREMENTS OF ALL ITEMS ON THE JOB SITE PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE ALL OFFSETS & ADDITIONAL PIPING AS NECESSARY TO AVOID STRUCTURAL ELEMENTS ON THE PROJECT. CONTRACTOR SHALL PRODUCE SHOP DRAWINGS & COORDINATE WITH OTHER TRADES. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER FOR THIS COORDINATION OR FOR EXTRA MATERIAL REQUIRED IN ORDER TO ACCOMPLISH THIS TASK.
- ALL EQUIPMENT SHALL BE REGULARLY CATALOGED ITEMS OF THE MANUFACTURER & SHALL BE SUPPLIED AS A COMPLETE UNIT IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD SPECIFICATIONS. ANY OPTIONAL ITEMS REQUIRED FOR PROPER INSTALLATION SHALL BE INCLUDED UNLESS OTHERWISE NOTED.
- ANY CUTTING, PATCHING & PAINTING OF BUILDING ELEMENTS & FINISHED SURFACES IS TO BE DONE BY THE GENERAL CONTRACTOR.
- ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE.
- ALL EQUIPMENT SHALL BE LABELED PER PLANS.
- RATING OF ACCESS DOORS AND/OR ACCESS PANELS THROUGH FIRE-RATED WALLS, SHAFTS, CEILINGS, ETC., MUST EQUAL THE FIRE RATING OF THE MATERIAL PENETRATED.
- CAULK & FLASH ALL PENETRATIONS PER CODE.
- PROVIDE OPERATING & MAINTENANCE MANUALS (O&Ms), RECORD DRAWINGS, & OWNER TRAINING IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE.
- PROVIDE NATIONAL ELECTRICAL CODE (NEC) MINIMUM WORKING CLEARANCE IN FRONT OF ANY ELECTRICAL PANEL, INCLUDING PANELS ON EQUIPMENT. RE-ROUTE OR OFFSET PIPING AS REQUIRED.
- DOMESTIC HOT WATER CIRCULATORS SHALL BE CONTROLLED BY AN AQUASTAT, & SHALL SHUT DOWN WHEN WATER TEMPERATURE IS AT SETPOINT. DOMESTIC HOT WATER CIRCULATION SHALL HAVE SHUT-OFF CAPACITY BASED ON OCCUPANCY AND PERIODS OF DEMAND.
- DOMESTIC PIPING SHALL BE INSULATED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE. DOMESTIC HOT WATER PIPE INSULATION SHALL BE K=0.24, 1" THICK EXCEPT RUNOUTS UP TO 12" SHALL BE 1/2" THICK. DOMESTIC COLD WATER PIPE INSULATION SHALL BE K=0.24, 1" THICK FOR PIPING LARGER THAN 1", & 1/2" THICK FOR PIPING 1" & LESS & RUNOUTS LESS THAN 2" DIAMETER UP TO 12". INCREASE THICKNESS BY 1/2" FOR PIPING EXPOSED DIRECTLY TO OUTDOOR CONDITIONS.
- PROVIDE COMMISSIONING OF THE WATER SERVICE SYSTEM. INCLUDE FUNCTIONAL TESTING OF OPERATION & TEST PROCEDURES PER WASHINGTON STATE ENERGY CODE.
- SERVICE WATER PIPING INSULATION CONDUCTIVITY IS NOT TO EXCEED 0.27 BTU PER INCH/H."SQ.FT."DEGREE F INSULATION THICKNESS SHALL BE PER TABLE C403.2.9.
- PROTECT PIPING INSULATION PER REQUIREMENTS OF THE WSEC, SECTION C403.2.9.1.
- PROVIDE WATER SYSTEM BALANCING DEVICES, INCLUDING ISOLATION VALVES, BALANCING VALVES, AND FLOW MEASURING DEVICES AS SHOWN ON PLANS.

PLUMBING GENERAL NOTES:

PLUMBING:

1. DOMESTIC WATER TUBE, PIPE, FITTINGS, JOINING MATERIALS, SPECIALTIES, PLUMBING EQUIPMENT, PLUMBING FIXTURES, PLUMBING FITTINGS AND ALL OTHER APPURTENANCES IN CONTACT WITH DRINKING WATER SHALL BE LEAD-FREE EXCEPT THOSE EXPLICITLY EXEMPTED IN SECTION 3874 OF THE SAFE WATER DRINKING ACT. LEAD-FREE SHALL MEAN (A) NOT CONTAINING MORE THAN 0.2 PERCENT LEAD WHEN USED WITH RESPECT TO SOLDER AND FLUX; AND (B) NOT MORE THAN A WEIGHTED AVERAGE OF 0.25 PERCENT LEAD WHEN USED WITH RESPECT TO WETTED SURFACES OF DOMESTIC WATER TUBE, PIPE, FITTINGS, JOINING MATERIALS, SPECIALTIES, PLUMBING EQUIPMENT, PLUMBING FIXTURES, AND PLUMBING FITTINGS.
2. PROVIDE WATER HAMMER ARRESTORS IN DOMESTIC WATER PIPING IN ACCORDANCE WITH PDI-WH 201.
3. PROVIDE LINE SIZE STRAINER UPSTREAM OF EACH BACKFLOW PREVENTER. WATER PRESSURE REDUCING VALVE, CONTROL VALVE, SOLENOID VALVE AND PUMP. PROVIDE SHUTOFF VALVE ON EACH SIDE OF STRAINER.
4. VALVES, EXPANSION FITTINGS/LOOPS, AND PIPING SPECIALTIES SHALL BE FULL SIZE OF PIPE UNLESS NOTED OTHERWISE.
5. PROVIDE TRAP PRIMER FOR ALL FLOOR DRAINS, FLOOR SINKS, AND AIR GAP DRAIN TRAPS.

PIPING:

1. VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
2. ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.
3. PROVIDE UNIONS AND/OR FLANGES AT EACH PIECE OF EQUIPMENT, AT EACH CONTROL VALVE, IN BYPASSES, AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.
4. PROVIDE FLEXIBLE CONNECTORS IN PIPING SYSTEMS CONNECTED TO EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION.

PLUMBING ABBREVIATIONS	
ABBREV.	DESCRIPTION
Ø	DIAMETER, PHASE
A	AIR
AAV	AUTOMATIC AIR VENT
ABV	ABOVE
AD	AREA DRAIN, ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS, INC.
ATM	ATMOSPHERE
BLDG	BUILDING
BLW	BELOW
BOP	BOTTOM OF PIPE
BOT	BOTTOM
CAP	CAPACITY
CLG	CEILING
CO	CLEANOUT
CONN	CONNECTION
CW	DOMESTIC COLD WATER
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
EFF	EFFICIENCY
ELEC	ELECTRIC
ELEV	ELEVATION
EQUIP	EQUIPMENT
ET	EXPANSION TANK
°F	DEGREES FAHRENHEIT
FC	FLEXIBLE CONNECTOR
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLR	FLOOR
FT	FEET, FINNED TUBE
FV	FACE VELOCITY
G	GAS
HB	HOSE BIBB
HP	HEAT PUMP, HORSEPOWER
HR	HOUR
HT	HEIGHT
HW	DOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER CIRCULATING
I.E.	INVERT ELEVATION
IN	INCH
LAV	LAVATORY
LB	POUND
MECH	MECHANICAL
MED	MEDIUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MS	MOP SINK
MTD	MOUNTED
(N)	NEW
NA	NOT APPLICABLE
NO.	NUMBER
NTS	NOT TO SCALE
POC	POINT OF CONNECTION
RM	ROOM
SPEC	SPECIFICATION
SUP	SUPPLY
TAB	TESTING, ADJUSTING AND BALANCING
TEMP	TEMPERATURE
TYP	TYPICAL
V	VENT, VOLTS
VEL	VELOCITY
VTR	VENT THRU ROOF
W	WASTE, WATT, WIDTH
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
W/O	WITHOUT
WSEC	WASHINGTON STATE ENERGY CODE

NOTE:
ALL HOT AND COLD WATER PIPING, SANITARY WASTE AND VENT PIPING, HVAC CONTROL SYSTEM AND CONDUIT PENETRATIONS OF FIRE-RESISTANT RATED AND SMOKE-RESISTANT RATED HORIZONTAL AND VERTICAL ASSEMBLIES SHALL BE PROTECTED BY APPROVED, LISTED PENETRATION SYSTEMS IN ACCORDANCE WITH 2018 IBC, SECTION 714.



NO.	DATE	REVISION
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PLUMBING GENERAL NOTES AND ABBREVIATIONS

SHEET NO

P0.01

PLUMBING LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COLD WATER (CW)		TRIPLE DUTY VALVE
	HOT WATER (HW)		2-WAY CONTROL VALVE
	HOT WATER CIRC (HWC)		3-WAY CONTROL VALVE
	WASTE OR SAN. SEWER		4-WAY CONTROL VALVE
	GREASE WASTE (GW)		SOLENOID VALVE
	VENT (V)		BALANCING VALVE
	OIL WASTE (OW)		REDUCER
	STORM DRAIN		STRAINER
	FIRE MAIN/FIRE SPRINKLER PIPING		UNION
	PIPE DOWN		PLUG VALVE
	PIPE UP		PETE'S PLUG
	BRANCH - TOP CONNECTION		FLOW STATION
	BRANCH - BOTTOM CONNECTION		FLOW CONTROL VALVE
	BRANCH - SIDE CONNECTION		THRUST BLOCK (TB)
	CAP END OF PIPE		DRAIN VALVE WITH HOSE CONNECTION OR HOSE BIBB
	FLOW DIRECTION		BACKFLOW PREVENTER ASSEMBLY
	FLUSH CLEANOUT (FCO) OR SURFACE CLEANOUT (SCO) AS INDICATED		FLOOR DRAIN (FD)
	WALL CLEANOUT (WCO)		FLOOR & FUNNEL DRAIN (F&FD)
	CLEANOUT (CO)		ROOF/OVERFLOW/DECK DRAIN (RD, OD & DD)
	DOWNSPOUT		PIPE ANCHOR
	VENT THRU ROOF (VTR)		PIPE GUIDE
	GATE VALVE (GV)		FLEXIBLE CONNECTION (PIPE)
	GLOBE VALVE		AUTOMATIC OR MANUAL AIR VENT (AAV, MAV)
	VALVE IN RISER		VACUUM BREAKER
	BUTTERFLY VALVE		PRESSURE GAUGE
	PRESSURE REDUCING VALVE (PRV)		THERMOMETER
	CHECK VALVE (CV)		EXPANSION JOINT
	TEMPERATURE / PRESSURE RELIEF VALVE (T&PV)		EXPANSION LOOP
	BALL VALVE (BV)		METER
	FREEZE-PROOF WALL HYDRANT (FWH) HOSE BIBB (HB)		REDUCED PRESSURE BACKFLOW PREVENTER
	AQUASTAT		EXISTING
	PUMP		MECHANICAL CONTRACTOR
	RELIEF VALVE		ELECTRICAL CONTRACTOR
	FLOAT VALVE		GENERAL CONTRACTOR
	CIRCUIT SETTER		
	SUCTION DIFFUSER		
NOTES: NOT ALL SYMBOLS USED. REFER TO DRAWINGS.			

PIPING MATERIALS		JOINING METHODS
DOMESTIC CW, HW, HWC	COPPER TYPE L	SWEAT, COPPER PRESS, OR ROLLED GROOVES
SANITARY SEWER PIPING ABOVE GRADE	CAST IRON	NO-HUB COMPRESSION COUPLINGS, CISPI 310
SANITARY SEWER, VENT PIPING BELOW GRADE FITTINGS NEED TO BE HEAVY-DUTY	CAST IRON	NO-HUB COMPRESSION COUPLINGS, CISPI 310
VENT PIPING ABOVE GRADE	PVC	SOLVENT CEMENT
STORM WATER PIPING ABOVE GRADE	CAST IRON	NO-HUB COMPRESSION COUPLINGS, CISPI 310
STORM WATER PIPING BELOW GRADE FITTINGS NEED TO BE HEAVY-DUTY	CAST IRON	NO-HUB COMPRESSION COUPLINGS, CISPI 310

MINIMUM PIPE INSULATION THICKNESS (in inches) ^a						
FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSTALLATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (inches)			
	CONDUCTIVITY Btu . in./h . ft. sq. . °F ^b	MEAN RATING TEMPERATURE, °F	< 1	1 to < 1-1/2	1-1/2 to < 4	4 to < 8
> 350	0.32 - 0.34	250	4.5	5.0	5.0	5.0
251 - 350	0.29 - 0.32	200	3.0	4.0	4.5	4.5
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0
< 40	0.20 - 0.26	50	0.5	1.0	1.0	1.5
NOTES: a. FOR PIPING SMALLER THAN 1-1/2" AND LOCATED IN PARTITIONS WITHIN <i>CONDITIONED SPACES</i> , REDUCTIONS OF THESE THICKNESSES BY 1 INCH SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE b) BUT NOT TO A THICKNESS OF LESS THAN 1 INCH. b. FOR INSULATION OUTSIDE THE STATED CONDUCTIVITY RANGE, THE MINIMUM THICKNESS (T) SHALL BE DETERMINED AS FOLLOWS: T = r [(1 + tr) K/k - 1] where: T = minimum insulation thickness r = actual outside radius of pipe t = insulation thickness listed in the table for applicable fluid temperature (Btu . in/h . ft sq . °F) K = conductivity of alternate material at mean temperature indicated for the applicable fluid temperature (Btu . in/h . ft s k = the upper value of the conductivity range listed in the table for the applicable fluid temperature. c. FOR DIRECT BURIED HEATING AND HOT WATER SYSTEM PIPING, REDUCTION OF THESE THICKNESSES BY 1-1/2 INCHES SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE b) BUT NOT TO THICKNESSES LESS THAN 1 INCH.						

TABLE C404.3.1 - HOT WATER PIPING VOLUME & MAXIMUM PIPE LENGTHS				
NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	MAXIMUM PIPING LENGTH (FEET)		REMARKS
		PUBLIC LAV FAUCETS	OTHER FIXTURES/APPLIANCES	
1/4"	0.33	6.0	50.0	
5/16"	0.50	4.0	50.0	
3/8"	0.75	3.0	50.0	
1/2"	1.50	2.0	43.0	
5/8"	2.00	1.0	32.0	
3/4"	3.00	0.5	21.0	
7/8"	4.00	0.5	16.0	
1"	5.00	0.5	13.0	
1-1/4"	8.00	0.5	8.0	
1-1/2"	11.00	0.5	6.0	
2"	18.00	0.5	4.0	

MAXIMUM UNIT LOADING OF DRAINAGE AND VENT PIPING										
SIZE OF PIPE (INCHES)	1-1/4	1-1/2	2	3	4	5	6	8	10	12
MAXIMUM UNITS DRAINAGE PIPING ¹										
VERTICAL	1	2 ^{2, 7} _{1⁷}	16 ³ _{8³}	48 ⁴ _{35⁴}	256 ⁵ _{216⁵}	600 ⁵ _{428⁵}	1380 ⁵ _{720⁵}	3600 ⁵ _{2640⁵}	5600 ⁵ _{4880⁵}	8400 ⁵ _{8200⁵}
HORIZONTAL	1									
MAXIMUM LENGH DRAINAGE PIPING										
VERTICAL, (FEET)	45	65	85	212	300	390	510	750	-	-
HORIZONTAL (UNLIMITED)										
VENT PIPING										
HORIZONTAL AND VERTICAL ⁶										
MAXIMUM UNITS	1	8 ³	24	84	256	600	1380	3600	-	-
MAXIMUM LENGTHS, (FEET)	45	60	120	212	300	390	510	750		
¹ EXCLUDING TRAP ARM. ² EXCEPT SINKS, URINALS, AND DISHWASHER - EXCEEDING 1 FIXTURE UNIT. ³ EXCEPT SIX-UNIT TRAPS OR WATER CLOSETS. ⁴ ONLY FOUR WATER CLOSETS OR SIX-UNIT TRAPS ALLOWED ON VERTICAL PIPE OR STACK; AND NOT TO EXCEED THREE WATER CLOSETS OR SIX-UNIT TRAPS ON A HORIZONTAL BRANCH OR DRAIN. ⁵ BASED ON 1/4 INCH PER FOOT SLOPE. FOR1/8 OF AN INCH PER FOOT SLOPE, MULTIPLY HORIZONTAL FIXTURE UNITS BY A FACTOR OF 0.8. ⁶ THE DIAMETER OF AN INDIVIDUAL VENT SHALL BE NOT LESS THAN 1-1/4 INCHES NOR LESS THAN ONE-HALF THE DIAMETER OF THE DRAIN TO WHICH IT IS CONNECTED. FIXTURE UNIT LOAD VALUES FOR DRAINAGE AND VENT PIPING SHALL BE COMPUTED FROM TABLE 702.1 AND TABLE 702.2(b). NOT TO EXCEED ONE-THIRD OF THE TOTAL PERMITTED LENGTH OF A VENT SHALL BE PERMITTED TO BE INSTALLED IN A HORIZONTAL POSITION. WHERE VENTS ARE INCREASED ONE PIPE SIZE FOR THEIR ENTIRE LENGTH, THE MAXIMUM LENGTH LIMITATION SPECIFIED IN THIS TABLE DO NOT APPLY. THIS TABLE IS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 901.2. ⁷ UP TO 8 PUBLIC LAVATORIES ARE PERMITTED TO BE INSTALLED ON A 1-1/2" VERTICAL BRANCH OR HORIZONTAL SANITARY BRANCH SLOPED AT 1/4" PER FOOT.										
1. UNIFORM PLUMBING CODE 2021 CHAPTER 7, TABLE 703.2										

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PLUMBING LEGEND AND SCHEDULES

PROJECT NO.: 2200478

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PLUMBING FIXTURE SCHEDULE							
FIXTURE NO	FIXTURE	DESCRIPTION/MANUFACTURER/MODEL NUMBERS	LOCAL PIPING CONNECTION				NOTES
			W	V	CW	HW	
P-1	WATER CLOSET ADA	FLOOR MOUNT, TOP SPUD FLUSHOMETER ELONGATED BOWL: KOHLER "HIGHCLIFF" K-96057 FLUSH VALVE: SLOAN "ROYAL" 111-ADA 1.28 GALLON FLUSH SEAT: OPEN FRONT, LESS COVER: BENEKE NO. 523SS/CH	4"	2"	1-1/4"	-	
P-2	LAVATORY ADA	WALL HUNG, 4" CENTERS, VITREOUS CHINA: KOHLER MODEL K-2054-N. PROVIDE CONCEALED ARM CARRIER FOR WALL INSTALLATION. FAUCETS: CHICAGO FAUCETS MODEL NO 802-VE2805-317ABCP WITH 4" SPOUT, NO. VANDAL PROOF NON-AERATING LAMINAR SPRAY 0.5 GPM ADA COMPLIANT TRAPS & TAILPIECES: MCGUIRE, OR EQUAL, 1-1/2" CHROME-PLATED CAST BRASS P-TRAP AND TAILPIECE. SUPPLIES: LOOSE KEY QUARTER-TURN BALL STOP WITH FLEXIBLE BRAIDED STAINLESS STEEL RISERS; BRASSCRAFT FAUCET: PROVIDE INSULATION ON TRAP AND SUPPLIES PER SPECIFICATIONS.	2"	1-1/2"	1/2"	1/2"	
P-3	SINK ADA	SINGLE BOWL DROP-IN, 304 18 GAUGE STAINLESS STEEL, 31"x22"x6.5" ELKAY "LUSTERTONE" NO. LRADQ312265PD. FAUCETS: 8" CENTERS, SINGLE WING HANDLES, GOOSENECK SPOUT, BASKET STRAINER. CHICAGO FAUCETS NO. 1100-GN8AE3-317AB. 1.5 GPM VANDAL RESISTANT AERATOR. TRAPS & TAILPIECES: MCGUIRE, OR EQUAL, 1-1/2" CHROME-PLATED CAST BRASS P-TRAP & TAILPIECE. SUPPLIES: LOOSE KEY QUARTER-TURN BALL STOP WITH FLEXIBLE BRAIDED STAINLESS STEEL RISERS; BRASSCRAFT	2"	1-1/2"	1/2"	1/2"	
P-4	EYE/FACE WASH	BARRIER FREE DECK MOUNTED AUTOFLOW EYE/FACE WASH GUARDIAN NO. G1805RH-R, TWO GS-PLUS SPRAY HEADS. YELLOW PLASTIC POP OFF DUST COVER, STAY-OPEN INSTANT ACTION VALVE, SET DELIVERY TEMPERATURE TO 85° F.	-	-	1/2"	1/2"	1/2" TEMPERED WATER FROM MV-3
P-5	NON-FREEZE WALL HYDRANT	BRONZE QUARTER-TURN NON-FREEZE HYDRANT WITH HOSE CONNECTION, INTEGRAL VACCUUM BREAKER, T HANDLE KEY AND STAINLESS STEEL BOX WITH FULL 180° COVER OPENING JAY R. SMITH MODEL 5509QT	-	-	3/4"	-	
P-6	HOSE BIBB HOT/COLD	ACORN #8156, RECESSED BOX, TYPE 304 STAINLESS STEEL, VANDAL RESISTANT.	-	-	1/2"	1/2"	
FD	FLOOR DRAIN	J.R. SMITH FIGURE 2005Y ROUND TOP; NICKEL BRONZE STRAINER HEAD; GALVANIZED CAST IRON HEAD.	PER PLAN	PER PLAN	-	-	
FS	FLOOR SINK	ZURN: Z1751, J.R. SMITH FIGURE 3003	PER PLAN	PER PLAN	-	-	

ELECTRIC WATER HEATER SCHEDULE														
ID/NO	MANUFACTURER	MODEL	CAPACITY (GALLONS)	HEIGHT (INCHES)	DIAMETER (INCHES)	DISCHARGE TEMP (DEG F)	ENERGY FACTOR	RECOVERY		ELECTRICAL			WEIGHT (LBS)	NOTES
								GPH	TEMP RISE	VOLTS	PHASE	WATTAGE		
WH-1	BRADFORD	RE350T6	50	59-3/8	22	120	0.95	21	90	208	1	5000	555	1, 2, 3, 4
NOTES: 1. PROVIDE WITH DRAIN PAN. 2. TWO ELEMENTS NON-SIMULTANEOUS. 3. PROVIDE R-10 RIGID INSULATION UNDER WATER HEATER.														

MIXING VALVE SCHEDULE											
UNIT NO	MANUFACTURER	MODEL	SERVICE	INLET SIZE (INCHES)	OUTLET SIZE (INCHES)	INLET TEMP (°F)	OUTLET TEMP (°F)	GPM		PRESSURE DROP (PSI)	NOTES
								MINIMUM FLOW	MAXIMUM FLOW AT SPECIFIED PRESSURE DROP		
MV-1	POWERS	LFLM491	WH-1	3/4	3/4	140°	120°	.5 GPM	7.6 GPM	5	1, 2
MV-2	POWERS	LFE-480	SINK/LAVATORY	1/2	1/2	140°	120°	0.5 GPM	1 GPM	5	3
MV-3	LEONARD	TA-300-LF	EMERGENCY EYE/FACE WASH	1/2	1/2	120°	90°	2 GPM	9 GPM	5	4
NOTES: 1. CERTIFIED LEAD-FREE. PIPING SHALL BE 3/4" UP TO VALVE. 2. ASSE 1017 CERTIFIED. 3. ASSE 1070 CERTIFIED. 4. ASSE 1071 CERTIFIED.											

EXPANSION TANK SCHEDULE									
UNIT NO	SERVICE	MANUFACTURER	MODEL	VOLUME (GALLONS)		DIMENSIONS (IN.)		OPERATING WEIGHT (POUNDS)	NOTES
				TANK	ACCEPTANCE	DIAMETER	HEIGHT		
ET-1	WH-1	AMTROL	ST-5-C	4	0.9	10	10-3/8	55	1
NOTES: 1. ASME & NSF RATED									

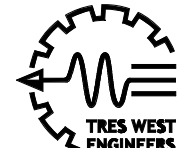
PUMP SCHEDULE											
UNIT NO	MFR	MODEL	SERVICE	TYPE	GPM	HEAD (FT)	ELECTRICAL CONNECTION			STARTER/ DISCONNECT BY	NOTES
							HP	VOLT/PHASE	FLA		
CP-1	B&G	ECOCIRC+20-18	WH-1	IN-LINE	4	25	70W	120/1	1/2	E.C.	1,2,3
NOTES: 1. ALL STAINLESS STEEL CONSTRUCTION FOR POTABLE WATER. 2. ECM MOTOR. 3. PROVIDE WITH EXTERNAL TEMPERATURE SENSOR.											

TRAP PRIMER SCHEDULE							
TAG	MAKE & MODEL	NUMBER OF OUTLETS	PIPE CONNECTIONS		ELEC V/Ø	CABINET SIZE WxLxD	REMARKS
			INLET	OUTLETS			
TP-1	PPP, PRIME-TIME	4 - 12	3/4"	1/2"	120/1	12"x12"x4"	1
NOTES: 1. TRAP PRIMER MANIFOLD. RECESS MOUNT.							



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PLUMBING SCHEDULES

PROJECT NO.: 2200478

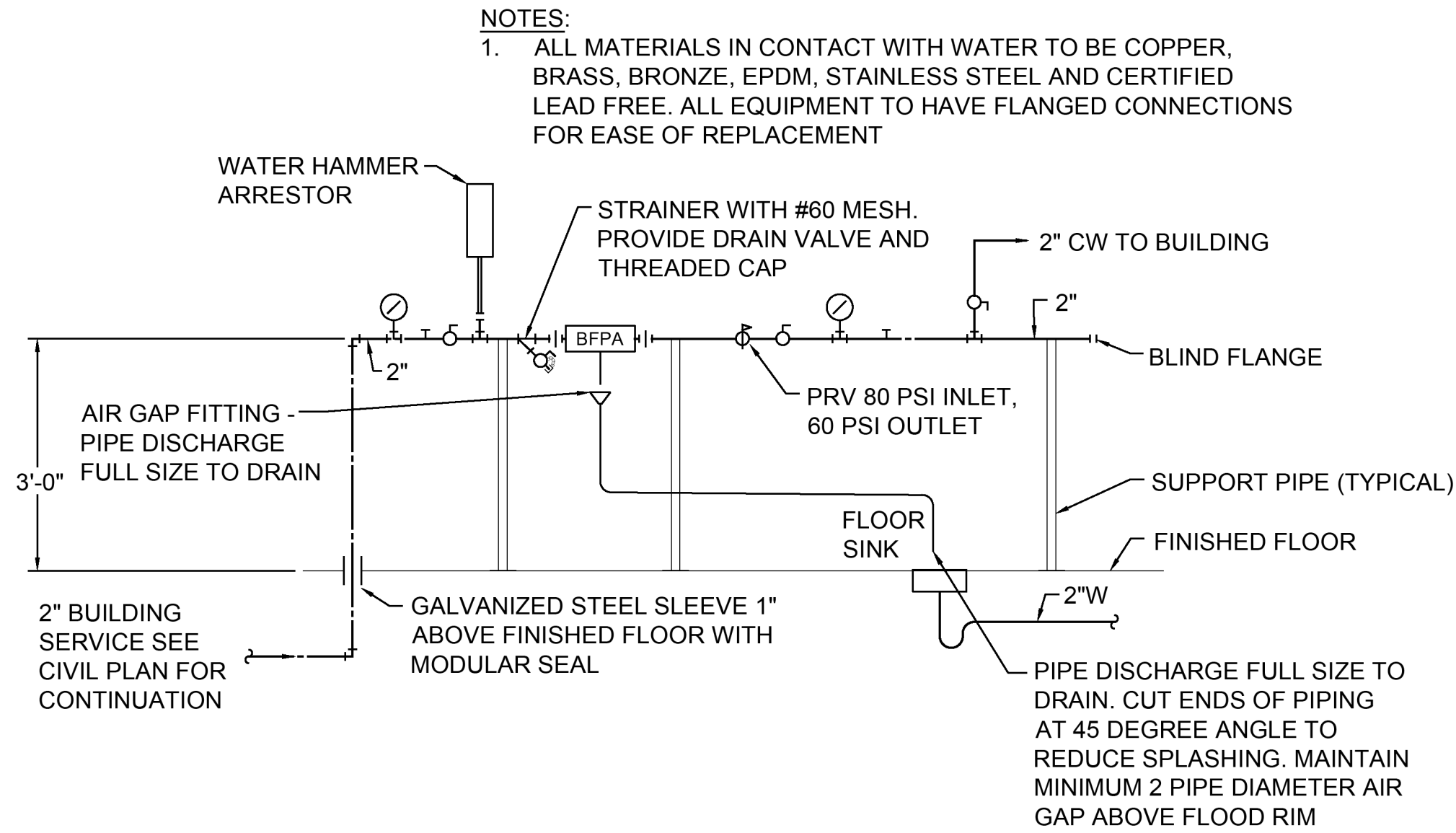
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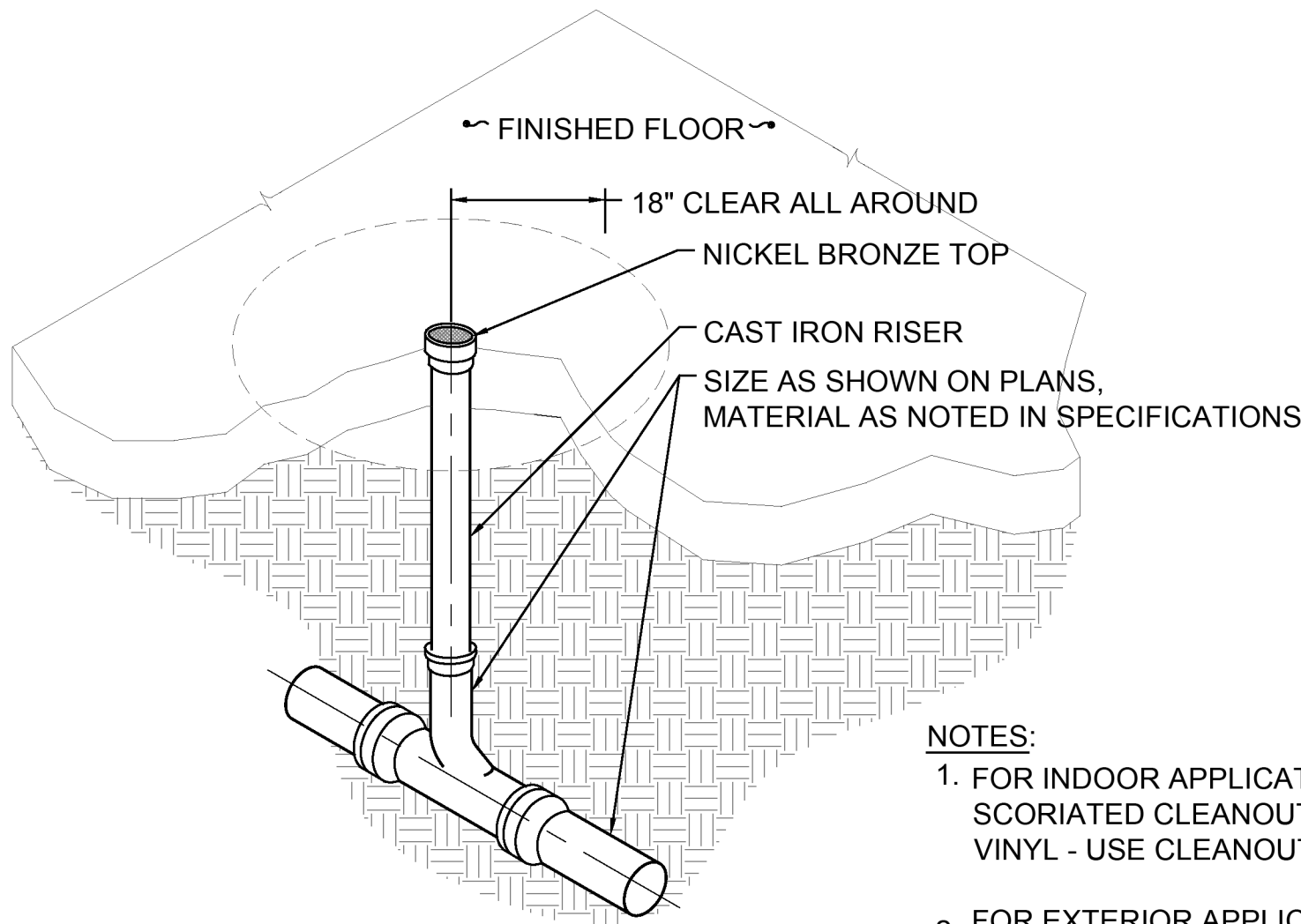
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P0.03

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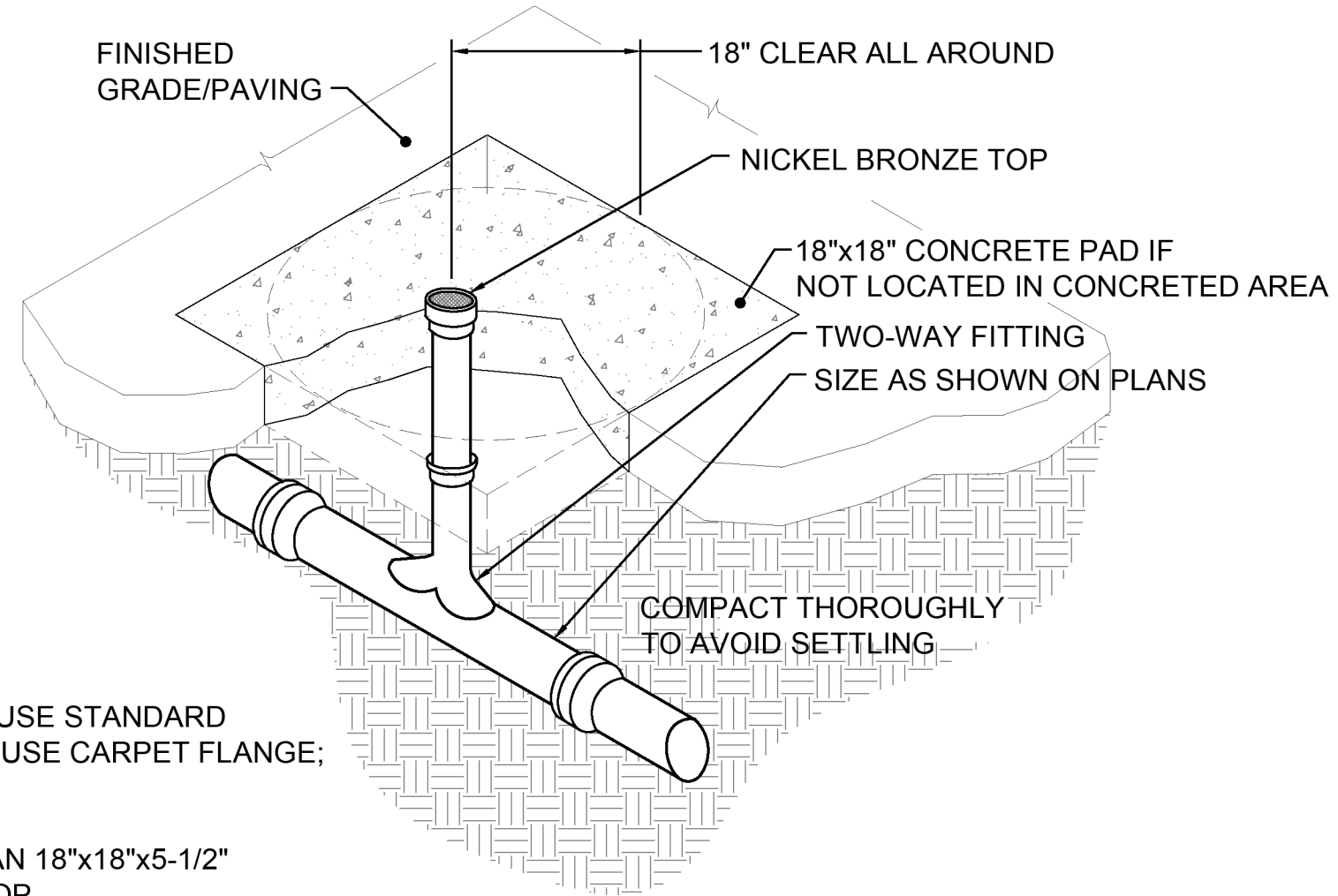


1 DOMESTIC WATER HEADER
SCALE: NO

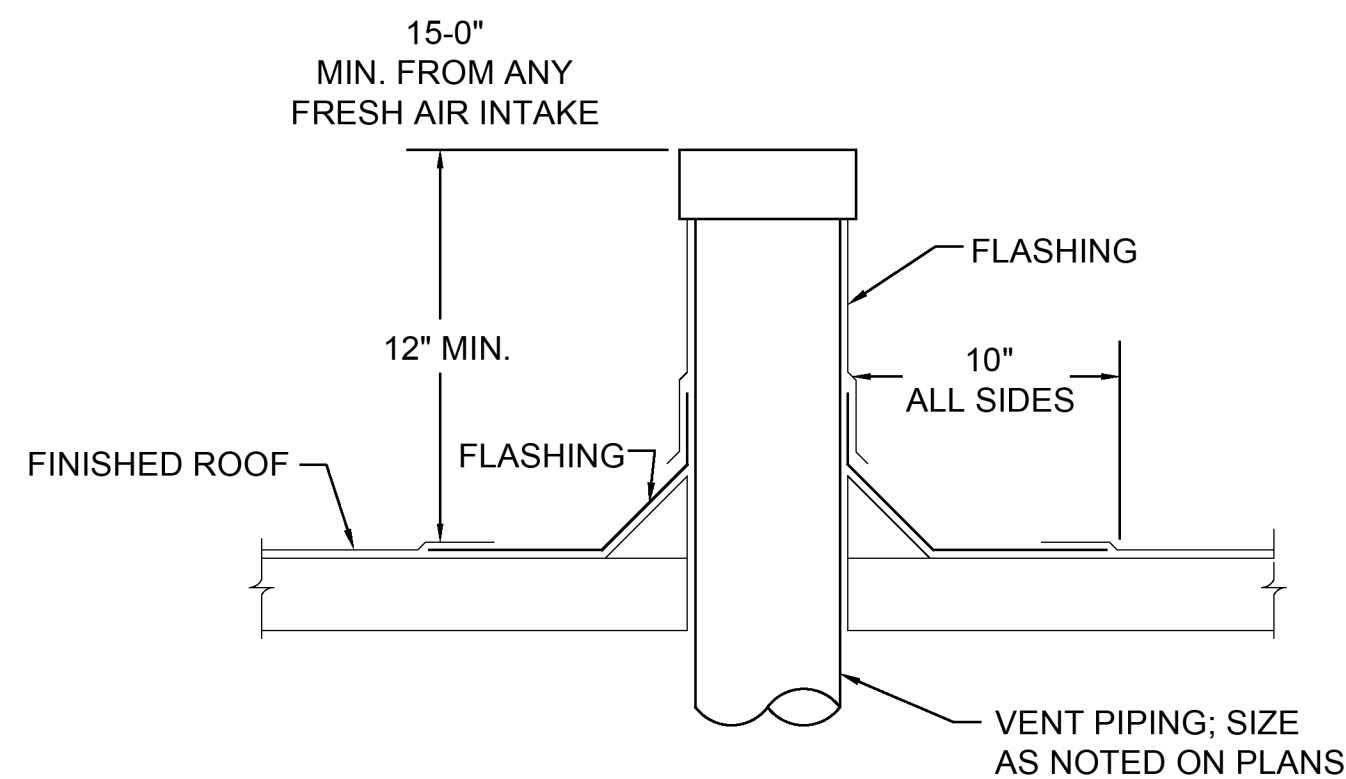


- NOTES:**
- FOR INDOOR APPLICATIONS CONCRETE - USE STANDARD SCORIATED CLEANOUT COVER; CARPET - USE CARPET FLANGE; VINYL - USE CLEANOUT INSERT COVER.
 - FOR EXTERIOR APPLICATIONS, PROVIDE AN 18"x18"x5-1/2" CONCRETE PAD AND A NICKEL BRONZE TOP.

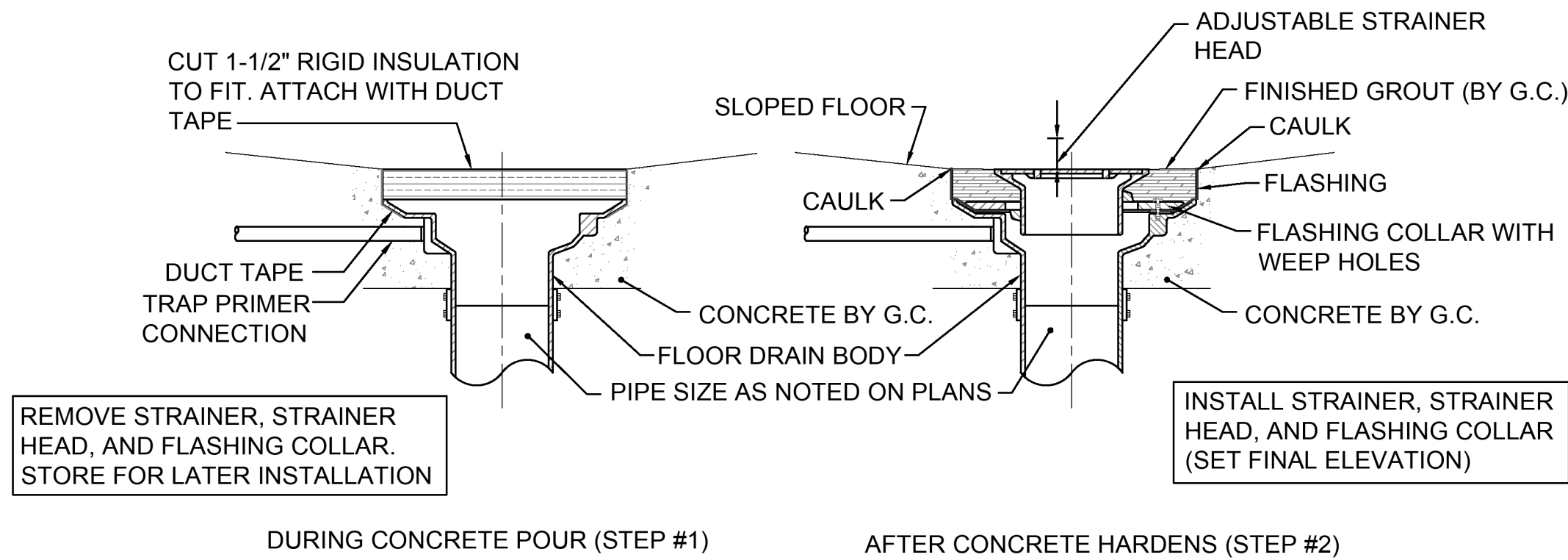
2 FLOOR CLEANOUT
SCALE: NO



3 SURFACE TWO-WAY CLEANOUT
SCALE: NO

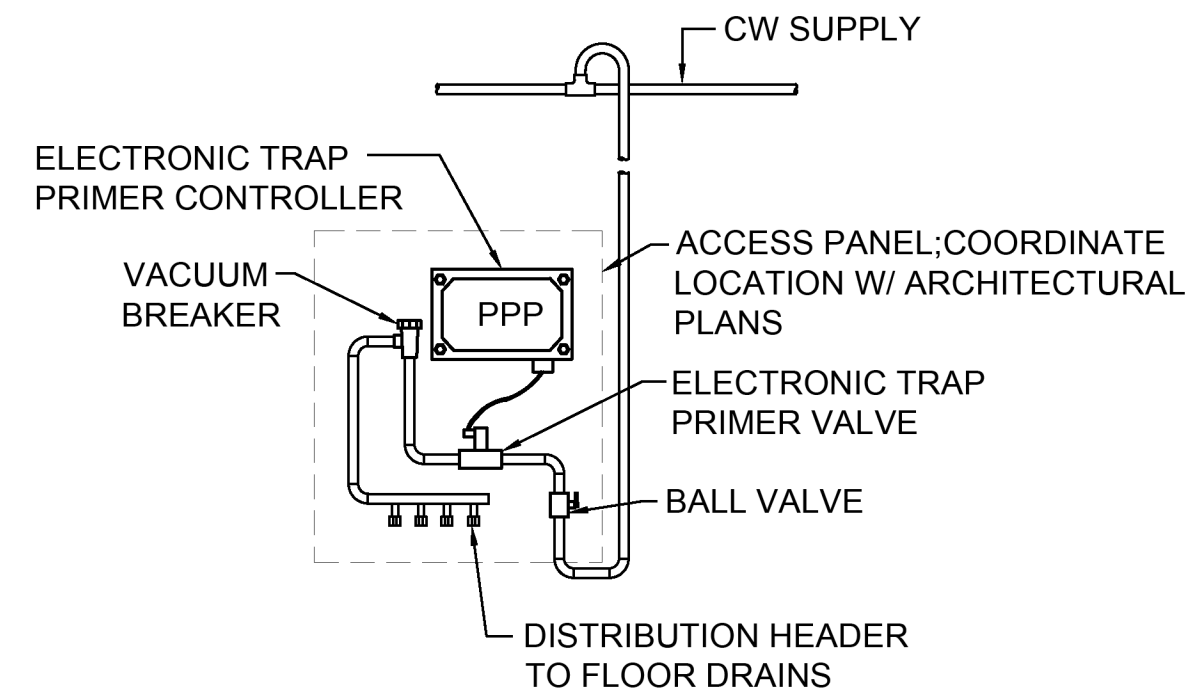


4 PLUMBING VENT THROUGH ROOF (VTR)
SCALE: NO



- NOTES:**
- COMPLETE INSTALLATION OF FLOOR DRAIN AND SETTING OF FINAL ELEVATION WILL NOT BE ALLOWED DURING INITIAL CONCRETE POUR.
 - DO NOT ALLOW GROUT TO PENETRATE WEEP HOLES AND FILL UP TRAP.
 - IF ARCHITECT IS USING A WATER PROOF MEMBRANE SYSTEM THEN USE COLLAR TO CLAMP TO THAT MEMBRANE.

5 FLOOR DRAIN INSTALLATION
SCALE: NO



- NOTES:**
- COLD WATER PIPING TO TRAP PRIMER SHALL BE OFFSET UP, THEN DOWN, PRIOR TO CONNECTING TO PRIMER ASSEMBLY.
 - COORDINATE POWER WITH ELECTRICAL.
 - ROUTE TRAP FILL LINES UNDER FLOOR OR SLAB TO FLOOR DRAIN TRAPS.

6 ELECTRONIC TRAP PRIMER
SCALE: NO

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NO.	DATE	REVISION
0	12/13/2024	ISSUE FOR CONSTRUCTION
1	06/03/2026	REVISED PERMIT / ISSUE FOR CONSTRUCTION

ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532.718 WASHINGTON
CAMANO, WA 98282

PLUMBING DETAILS

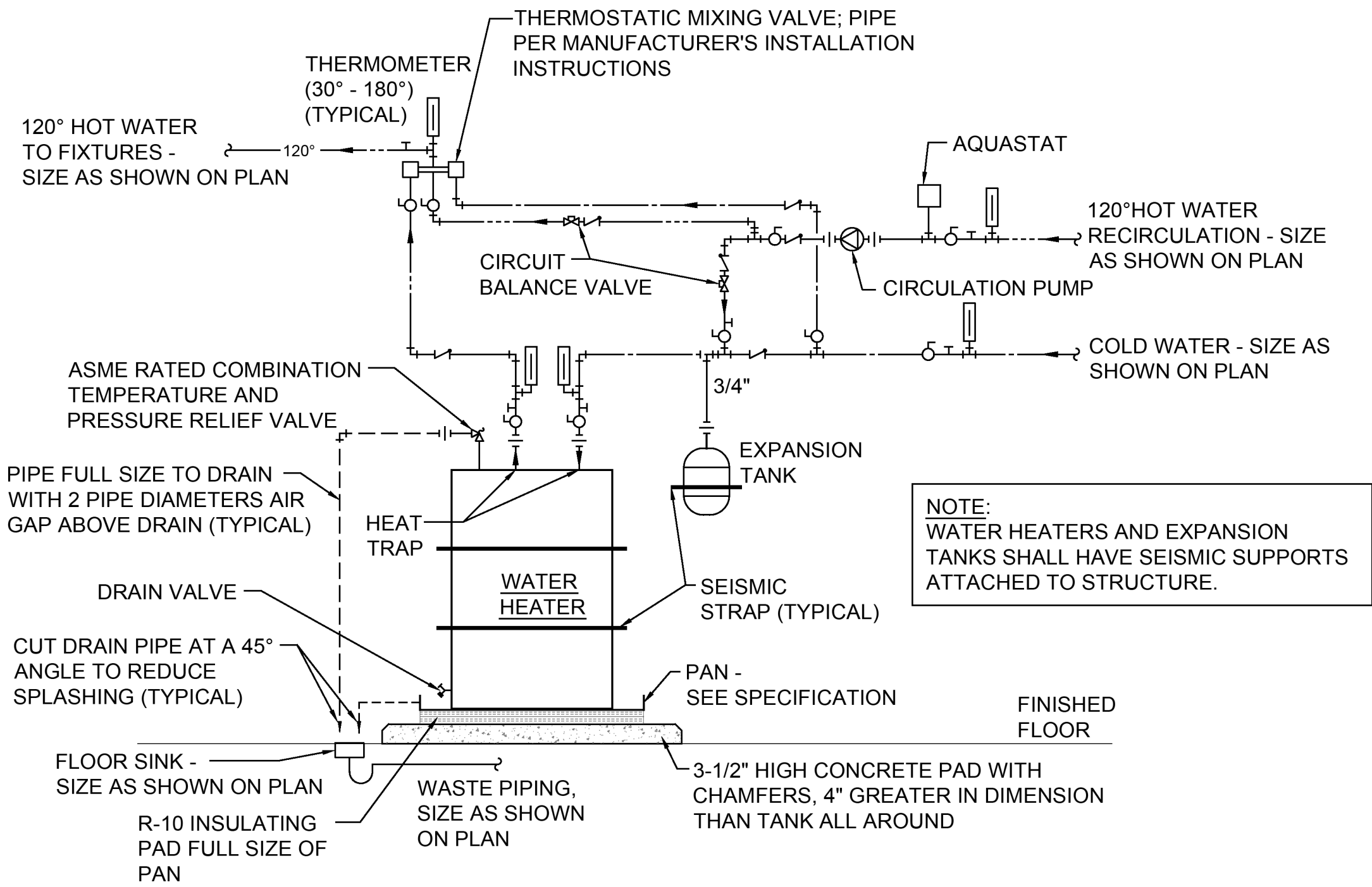
PROJECT NO.: 2200478

SCALE: AS SHOWN

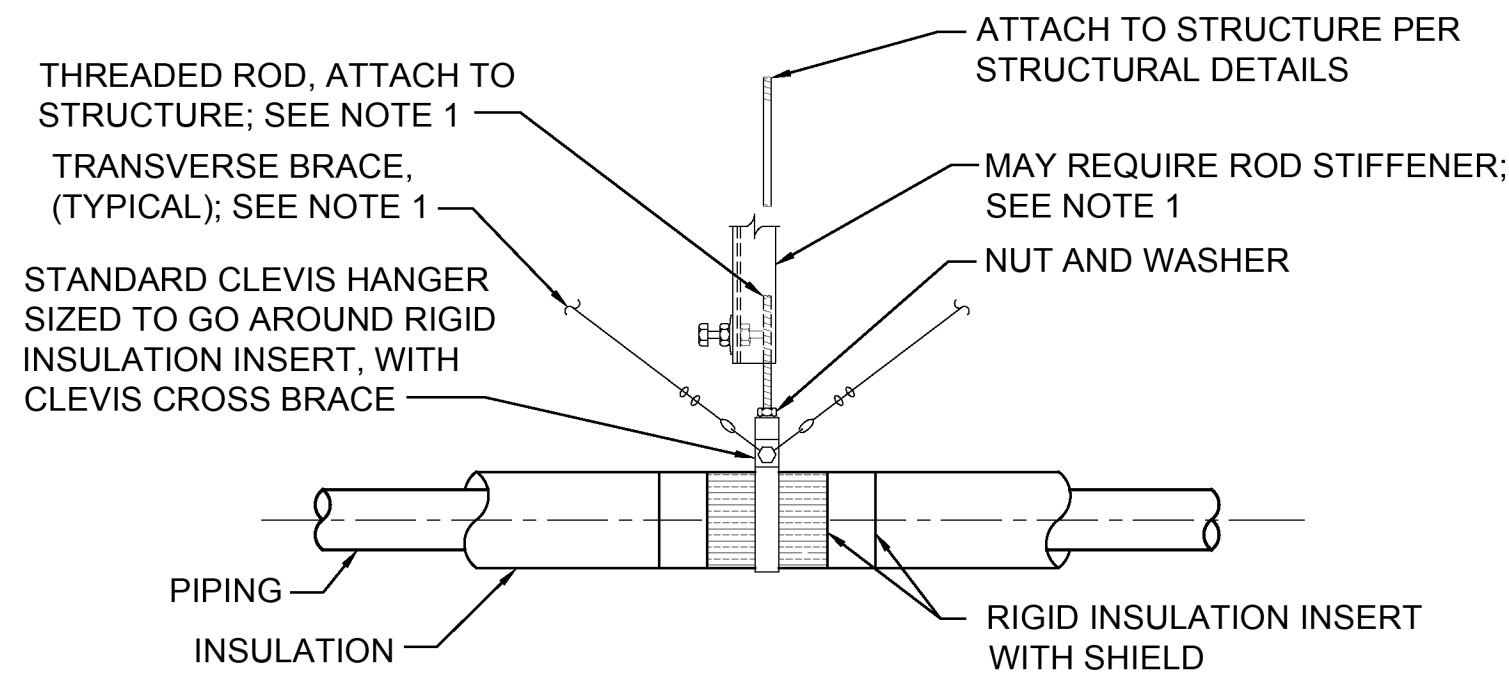
DATE: 6/3/2026

SHEET NO.

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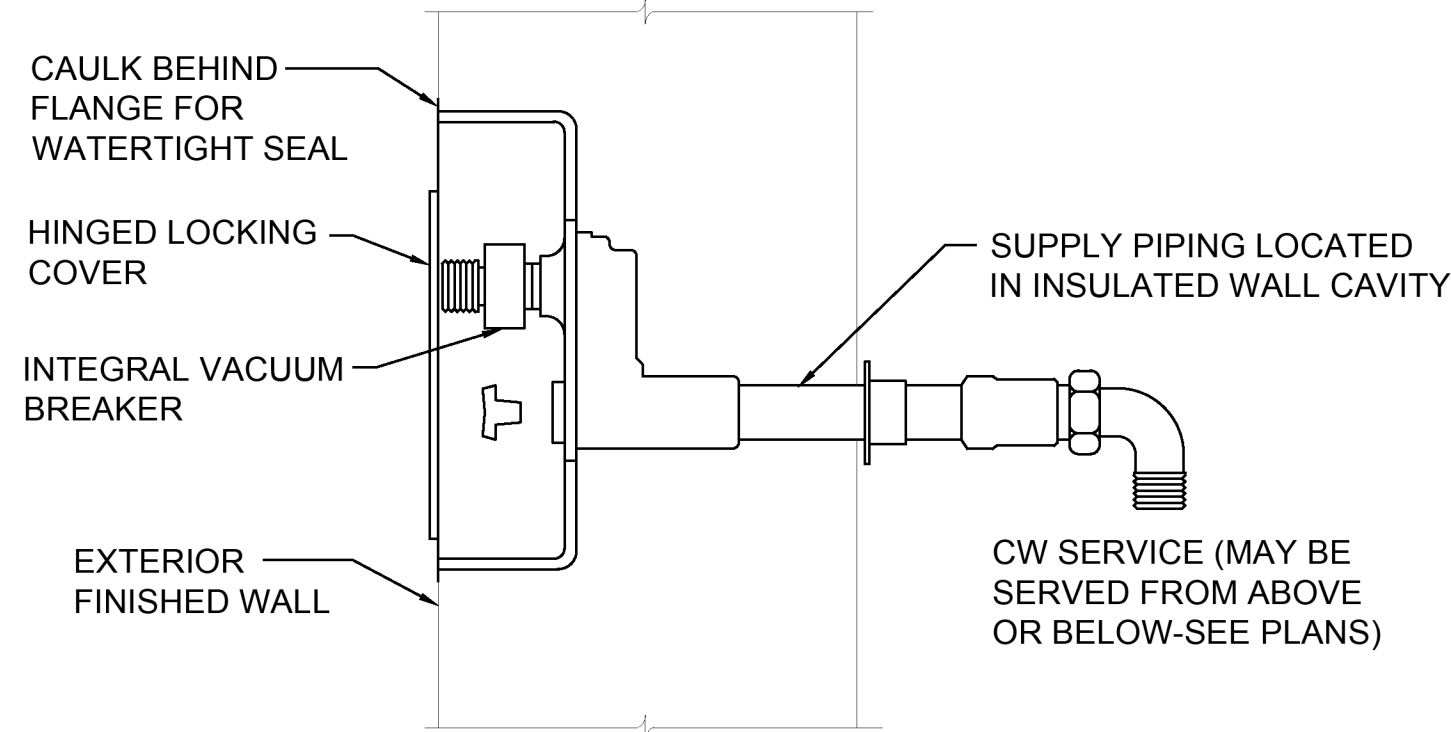
1 ELECTRIC WATER HEATER
SCALE: NO



NOTES:

1. SEISMIC BRACING, RIGID OR CABLE, SIZE, SPACING, CABLE ANCHORAGE TO BE SPECIFIED BY MECHANICAL CONTRACTOR'S SEISMIC ENGINEER, FOLLOWING SMACNA RESTRAINT MANUAL.
2. PROVIDE PIPE INSULATION IN ACCORDANCE WITH WASHINGTON STATE ENERGY CODE.

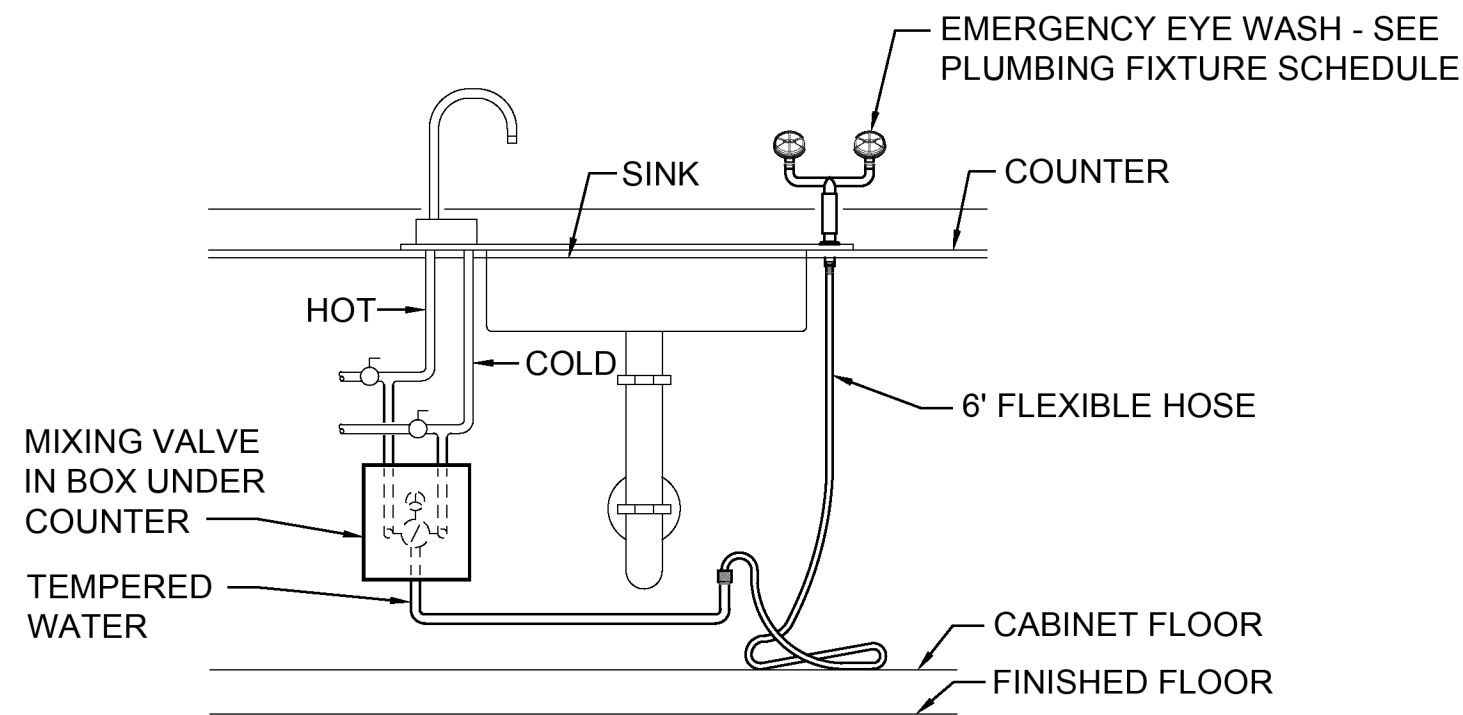
4 INSULATED PIPING INSTALLATION
SCALE: NO



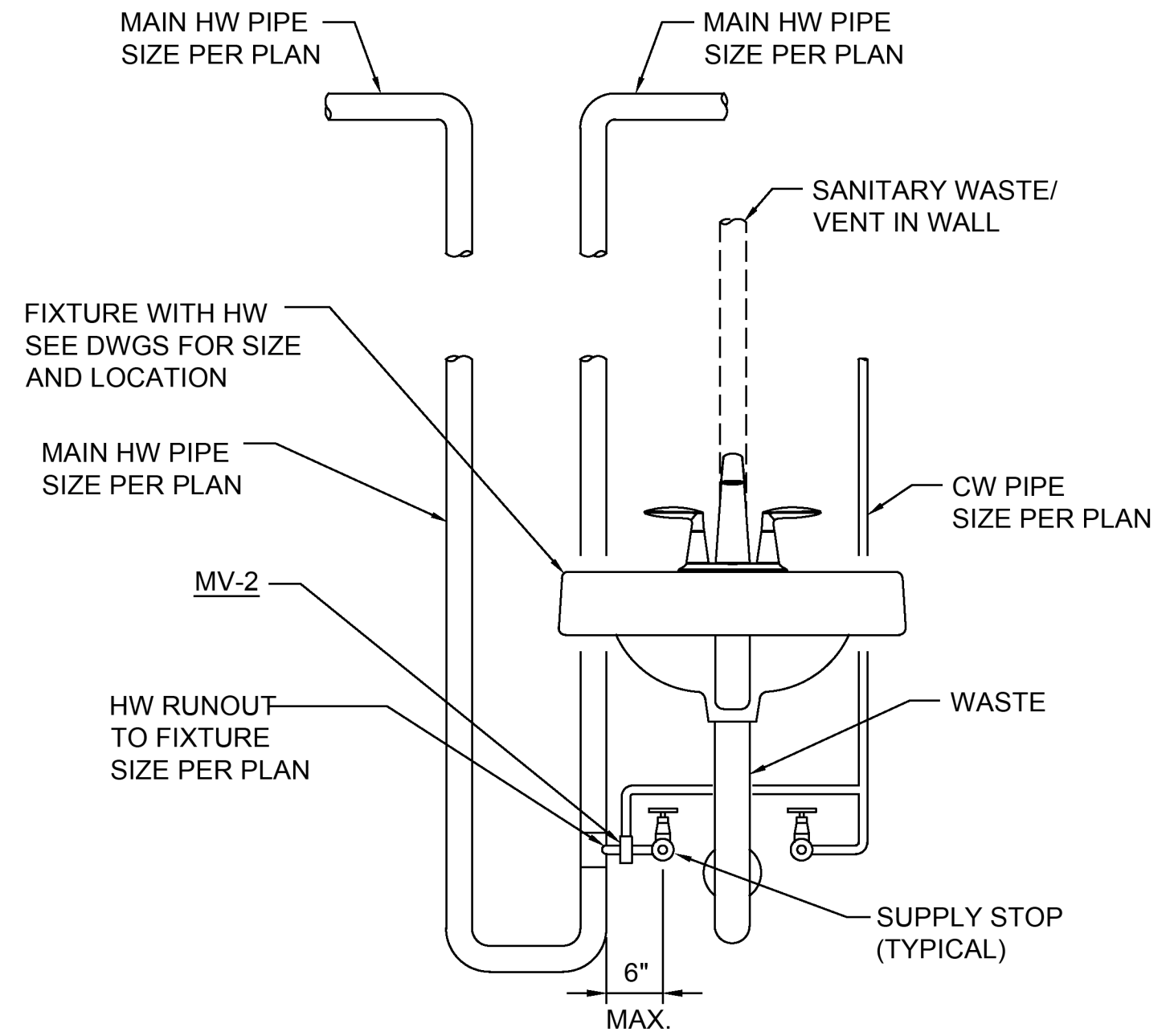
NOTE:

PROVIDE BALL VALVE AT ACCESSIBLE LOCATION TO SHUT OFF HOSE BIBB ONLY.

2 FREEZE PROOF WALL HYDRANT
SCALE: NO



5 COUNTER MOUNTED EMERGENCY EYE WASH
SCALE: NO



3 LAVATORY SERVICES INSTALLATION
SCALE: NO

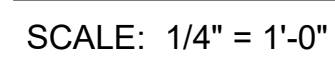
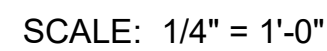
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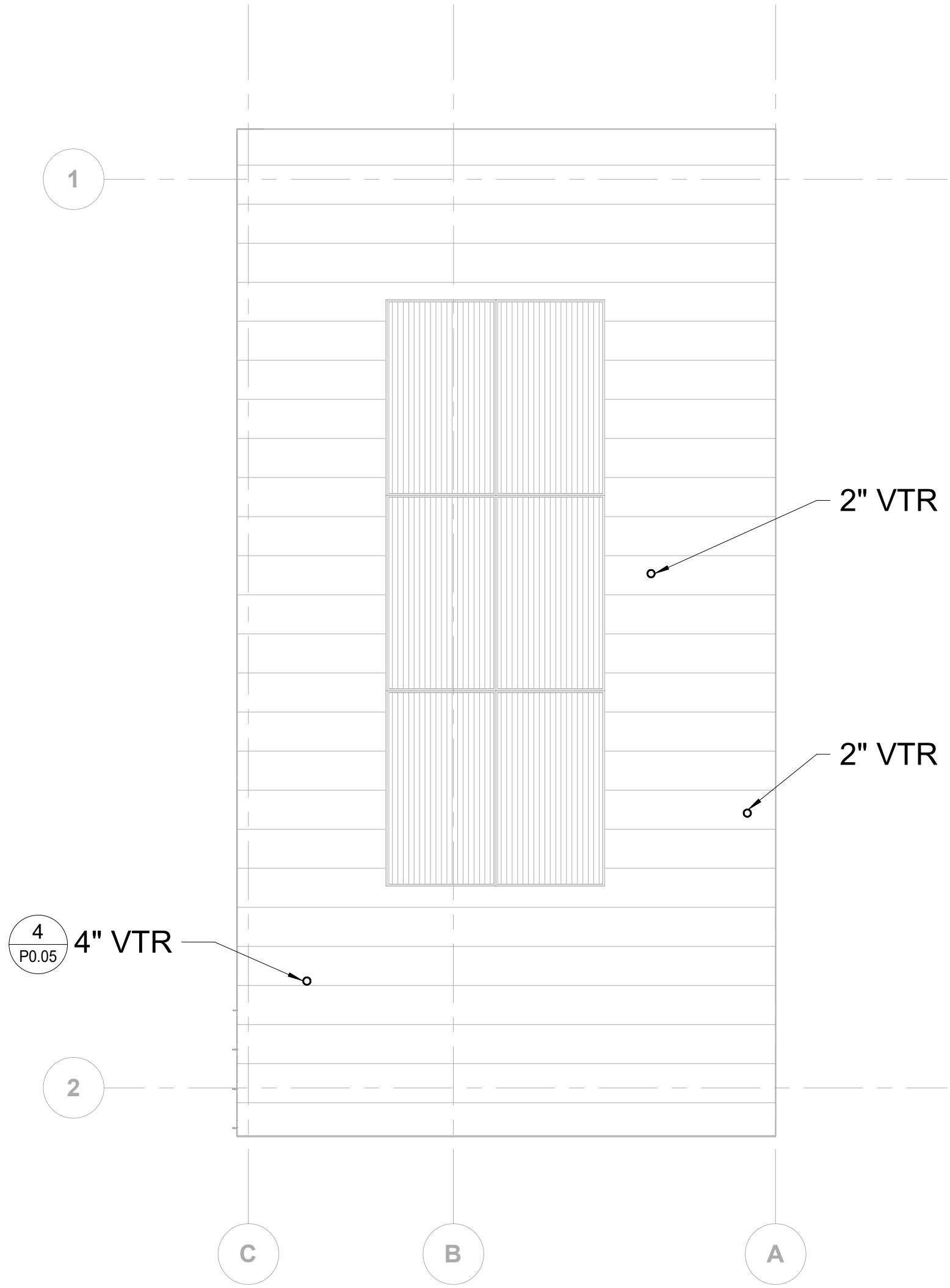
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P2.01

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



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PROJECT NO.:	2200478
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P3.01

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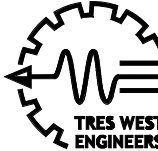
PLUMBING ROOF PLAN

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0 12/13/2024 ISSUE FOR CONSTRUCTION
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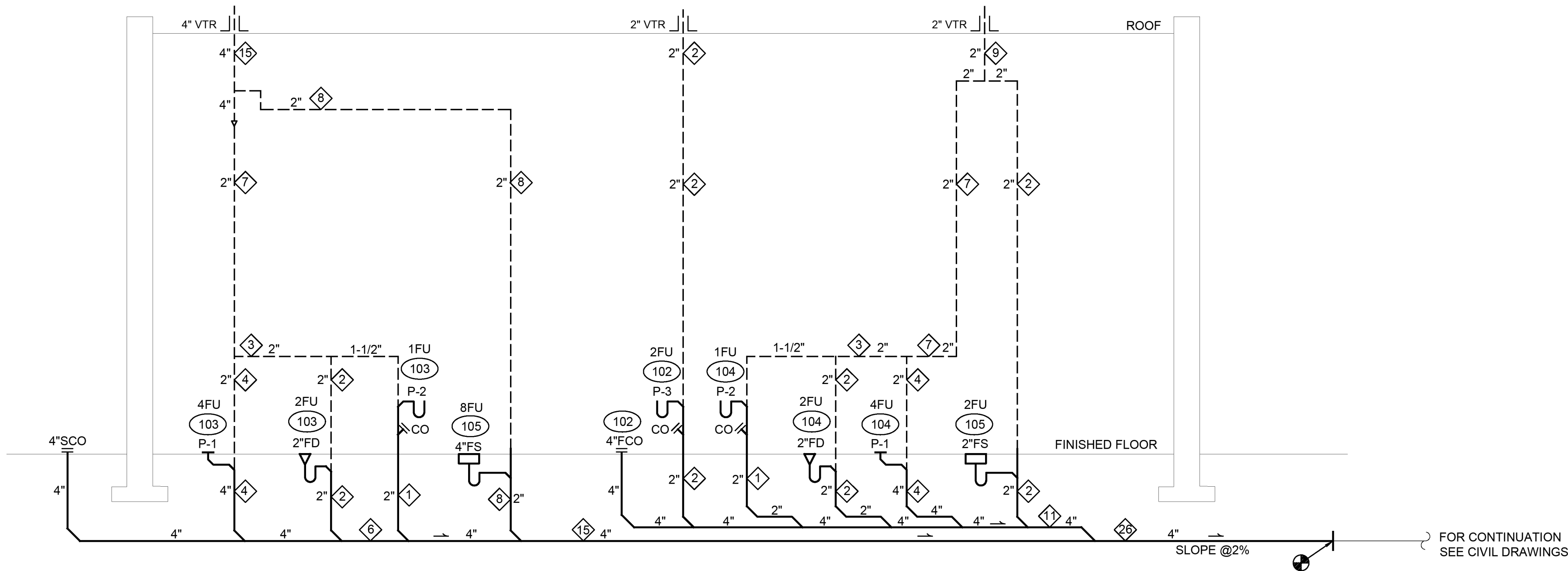
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WASTE & VENT RISER DIAGRAM
SCALE: DIAGRAMMATIC

GENERAL NOTES

1. RISER DIAGRAM WASTE/VENT DRAINAGE FIXTURE UNITS NOTED AS
2. ROOM NAME INDICATED AS
3. VENT PIPES MUST RISE 6" HIGHER THAN FLOOD RIM OF PLUMBING FIXTURE BEFORE HORIZONTAL RUN TO COMBINE PER UPC 905.3
4. SLOPE ALL WASTE PIPING AT MINIMUM 1/4" PER FOOT UNLESS OTHER WISE NOTED.

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WASTE & VENT RISER DIAGRAM

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