

Path: Z:\2200001-2209999\2200490 ITOC #01-21 W0#4 Terry's Corner Driver Facilities - Civil\CADD\Design\ITOC-CG.dwg Plot date: Jan 13, 2025-12:59:10pm CAD User: Tomc.
 Xref Filename: | xITOC-TB |

CIVIL ABBREVIATIONS

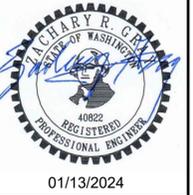
#	NUMBER
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ADA	AMERICANS WITH DISABILITIES ACT
AP	ANGLE POINT
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
BLVD	BOULEVARD
CB	CATCH BASIN
CL, C/L	CENTERLINE
CL	CLASS
CO	CLEANOUT/CURB OPENING
COMM	COMMUNICATION
CONC	CONCRETE
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
	TELEPHONE MANHOLE
	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



NO.	DATE	REVISION
0	12/13/2024	ISSUED FOR CONSTRUCTION

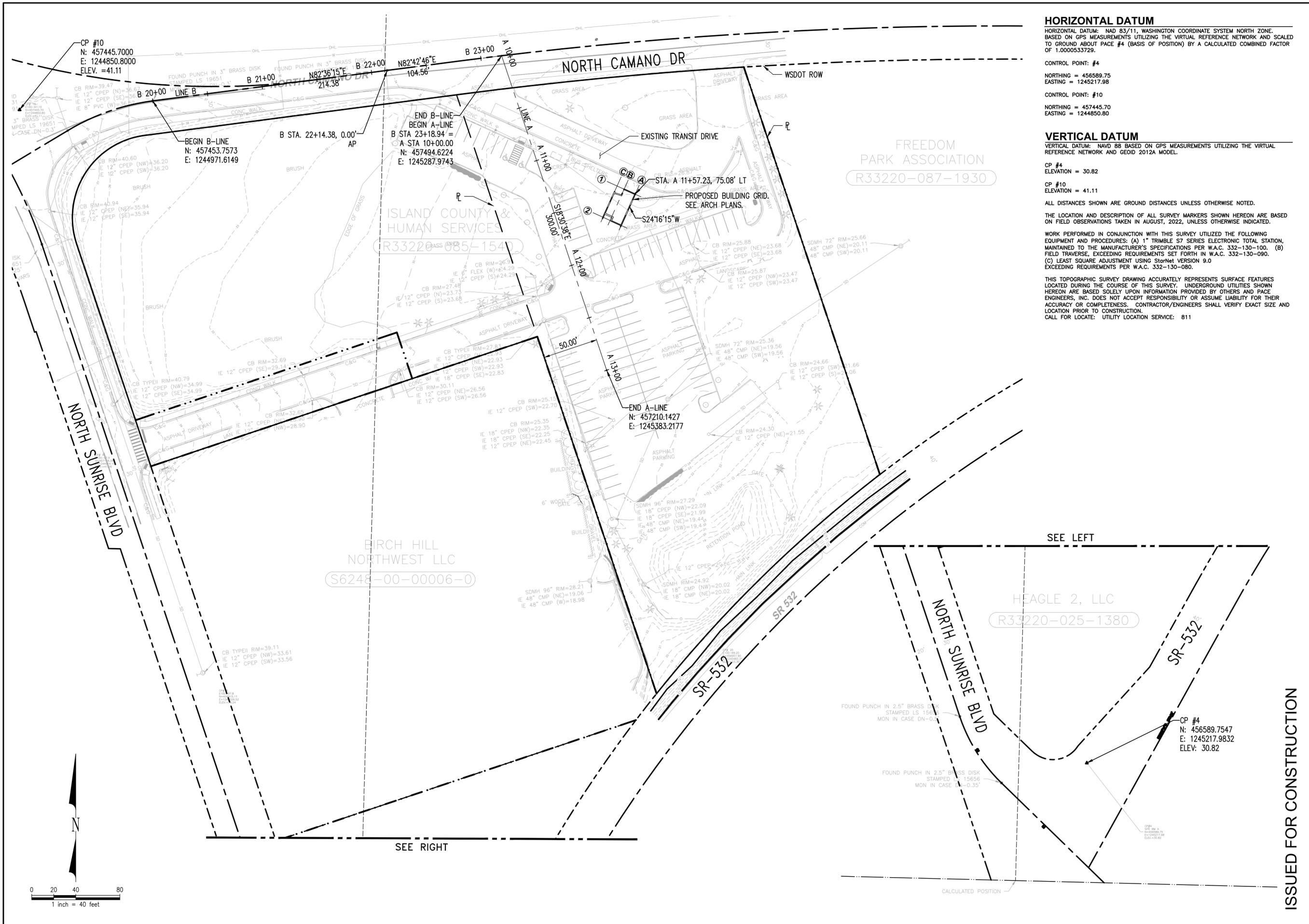
ISLAND TRANSIT TERRY'S CORNER
 STAFF SUPPORTER FACILITIES
 TERRY'S CORNER PARK AND RIDE
 532718 WASHINGTON
 CAMANO, WA
 CIVIL ABBREVIATIONS AND LEGEND

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

CG.01

ISSUED FOR CONSTRUCTION

Path: Z:\2200001-2209999\2200490 ITOC #01-21 W0#4 Terry's Corner Driver Facilities - Civil\CADD\Design\ITOC-CA.dwg Plot date: Jan 13, 2025-12:59:15pm CAD User: Tomc.
 Xref Filename: | V2520-BNDRY-KPFF | xITOC-TB | V2520-SRV-EXP |



HORIZONTAL DATUM

HORIZONTAL DATUM: NAD 83/11, WASHINGTON COORDINATE SYSTEM NORTH ZONE. BASED ON GPS MEASUREMENTS UTILIZING THE VIRTUAL REFERENCE NETWORK AND SCALED TO GROUND ABOUT PACE #4 (BASIS OF POSITION) BY A CALCULATED COMBINED FACTOR OF 1.000053729.

CONTROL POINT: #4
 NORTHING = 456589.75
 EASTING = 1245217.98
 CONTROL POINT: #10
 NORTHING = 457445.70
 EASTING = 1244850.80

VERTICAL DATUM

VERTICAL DATUM: NAVD 88 BASED ON GPS MEASUREMENTS UTILIZING THE VIRTUAL REFERENCE NETWORK AND GEOID 2012A MODEL.

CP #4
 ELEVATION = 30.82
 CP #10
 ELEVATION = 41.11

ALL DISTANCES SHOWN ARE GROUND DISTANCES UNLESS OTHERWISE NOTED.

THE LOCATION AND DESCRIPTION OF ALL SURVEY MARKERS SHOWN HEREON ARE BASED ON FIELD OBSERVATIONS TAKEN IN AUGUST, 2022, UNLESS OTHERWISE INDICATED.

WORK PERFORMED IN CONJUNCTION WITH THIS SURVEY UTILIZED THE FOLLOWING EQUIPMENT AND PROCEDURES: (A) 1" TRIMBLE S7 SERIES ELECTRONIC TOTAL STATION, MAINTAINED TO THE MANUFACTURER'S SPECIFICATIONS PER W.A.C. 332-130-100. (B) FIELD TRAVERSE, EXCEEDING REQUIREMENTS SET FORTH IN W.A.C. 332-130-090. (C) LEAST SQUARE ADJUSTMENT USING StarNet VERSION 9.0 EXCEEDING REQUIREMENTS PER W.A.C. 332-130-080.

THIS TOPOGRAPHIC SURVEY DRAWING ACCURATELY REPRESENTS SURFACE FEATURES LOCATED DURING THE COURSE OF THIS SURVEY. UNDERGROUND UTILITIES SHOWN HEREON ARE BASED SOLELY UPON INFORMATION PROVIDED BY OTHERS AND PACE ENGINEERS, INC. DOES NOT ACCEPT RESPONSIBILITY OR ASSUME LIABILITY FOR THEIR ACCURACY OR COMPLETENESS. CONTRACTOR/ENGINEERS SHALL VERIFY EXACT SIZE AND LOCATION PRIOR TO CONSTRUCTION.
 CALL FOR LOCATE: UTILITY LOCATION SERVICE: 811



NO.	DATE	ISSUED FOR CONSTRUCTION	REVISION
0	12/13/2024		

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

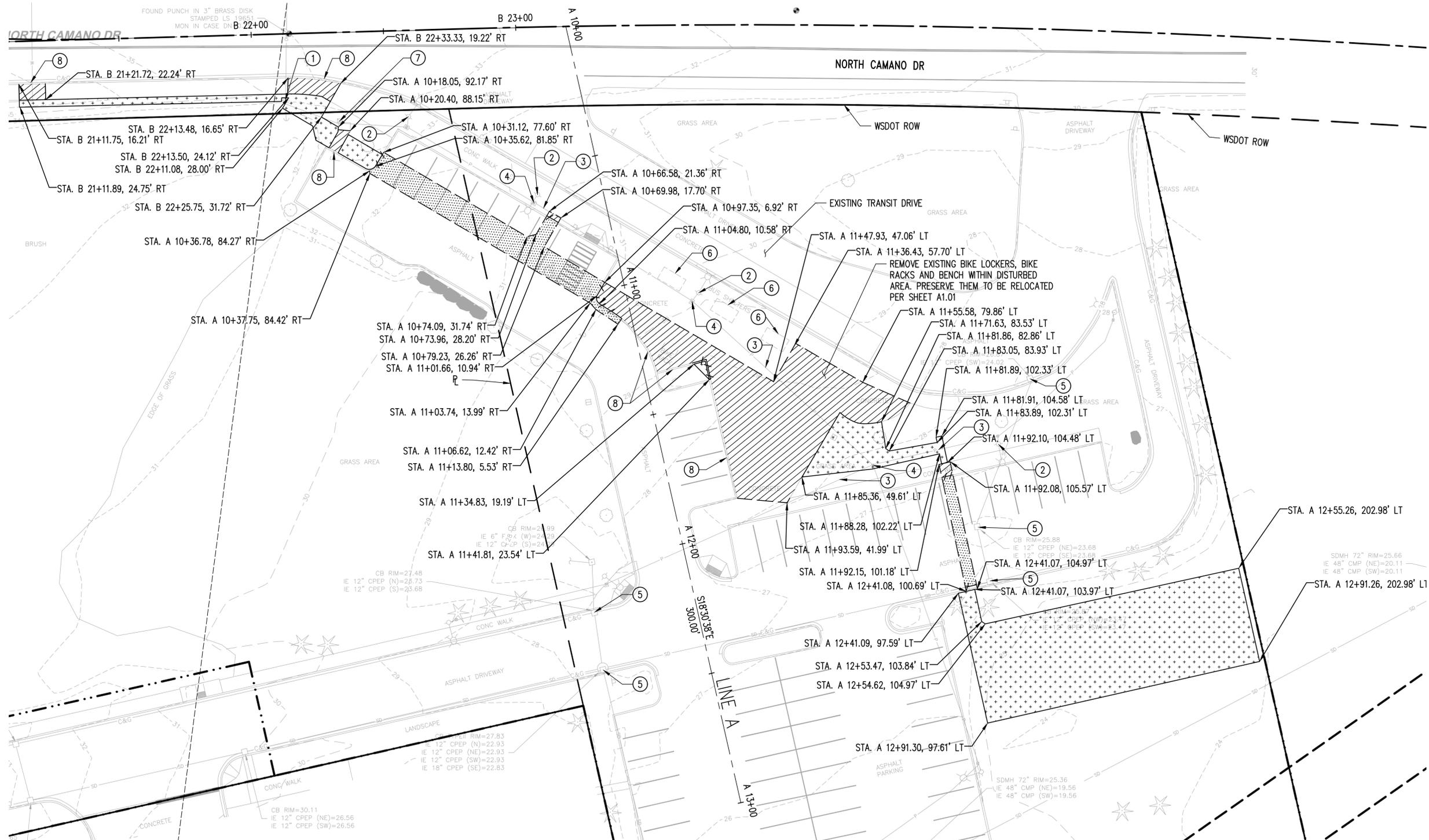
PROJECT NO.: RTA/OA
 0206-19
 SCALE: AS SHOWN
 DATE: 12/13/2024
 SHEET NO.

CA.01

ISSUED FOR CONSTRUCTION

HORIZONTAL AND VERTICAL CONTROL PLAN

Path: Z:\2200001-2209999\2200490 ITOC #01-21 W0#4 Terry's Corner Driver Facilities - Civil\CADD\Design\ITTC-CX.dwg Plot date: Jan 13, 2025-12:59:19pm CAD User: Tomc.
 Xref Filename: | X-TB | V22520-BNDRY | ITTC-CX | V22520-SRV-EXP |



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



NO.	DATE	ISSUED FOR CONSTRUCTION	REVISION
0	12/13/2024		

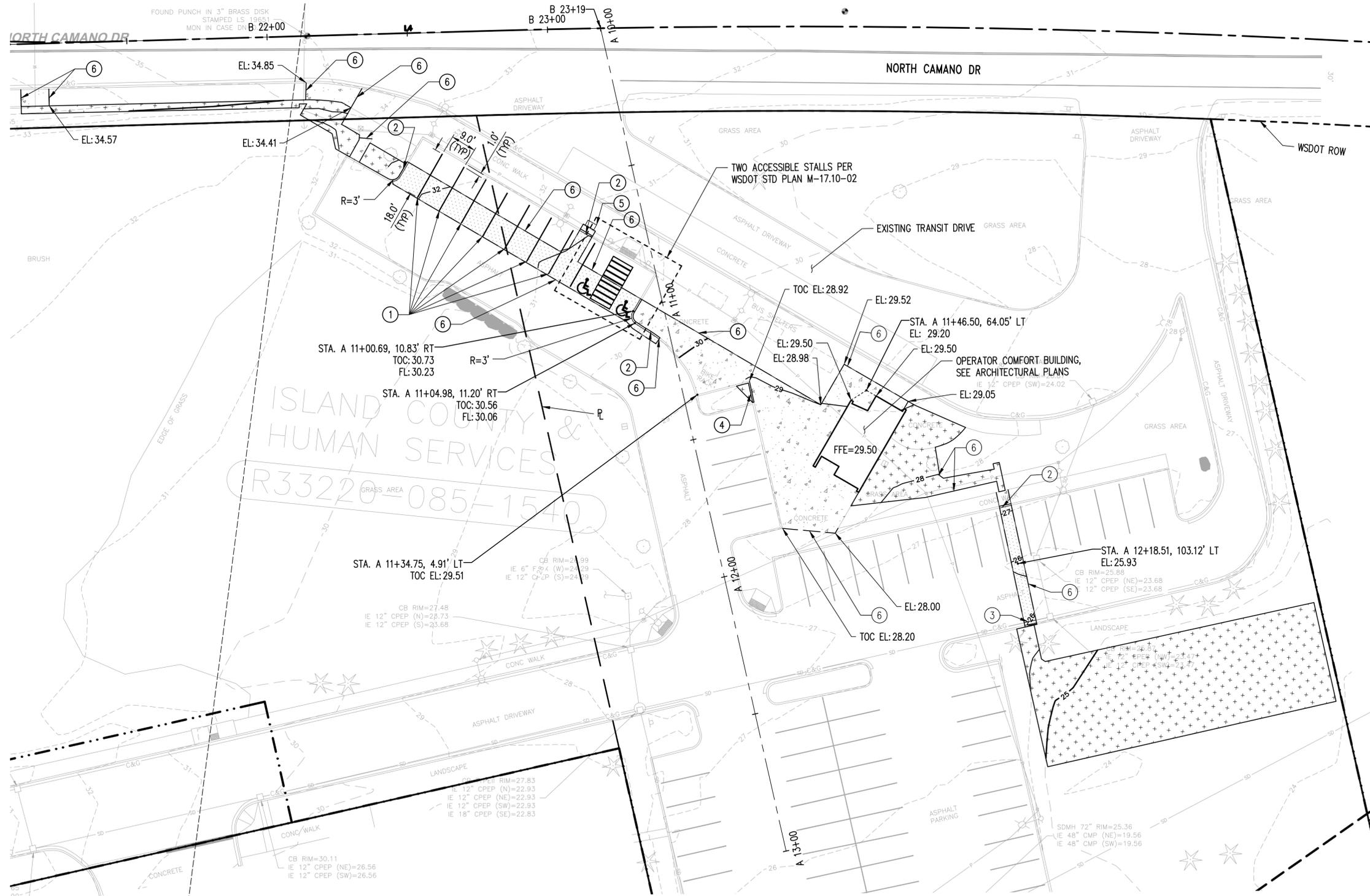
ISLAND TRANSIT TERRY'S CORNER
 STAFF SUPPORTER FACILITIES
 TERRY'S CORNER PARK AND RIDE
 532718 WASHINGTON
 CAMANO, WA
 SITE PREPARATION PLAN

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

CX.01

ISSUED FOR CONSTRUCTION

Path: Z:\2200001-2209999\2200490 ITOC #01-21 W0#4 Terry's Corner Driver Facilities - Civil\CADD\Design\ITTC-CP.dwg Plot date: Jan 13, 2025-12:59:23pm CAD User: Tomc.
 Xref Filename: | V22520-BNDRY-KPFF | V22520-SRV-EXP | XITTC-TB | XITTC-CP |



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
- 30 MAJOR CONTOUR
- 28 MINOR CONTOUR

GENERAL NOTES

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

CONSTRUCTION NOTES

- ① 4" WHITE PAINT LINE
- ② CONSTRUCT CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04
- ③ CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STD PLAN F-10.12-04
- ④ CONSTRUCT CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12-04
- ⑤ CONSTRUCT EVCS FOUNDATION, SEE DETAIL 2 ON SHEET CD.01
- ⑥ MATCH EXISTING GRADE



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

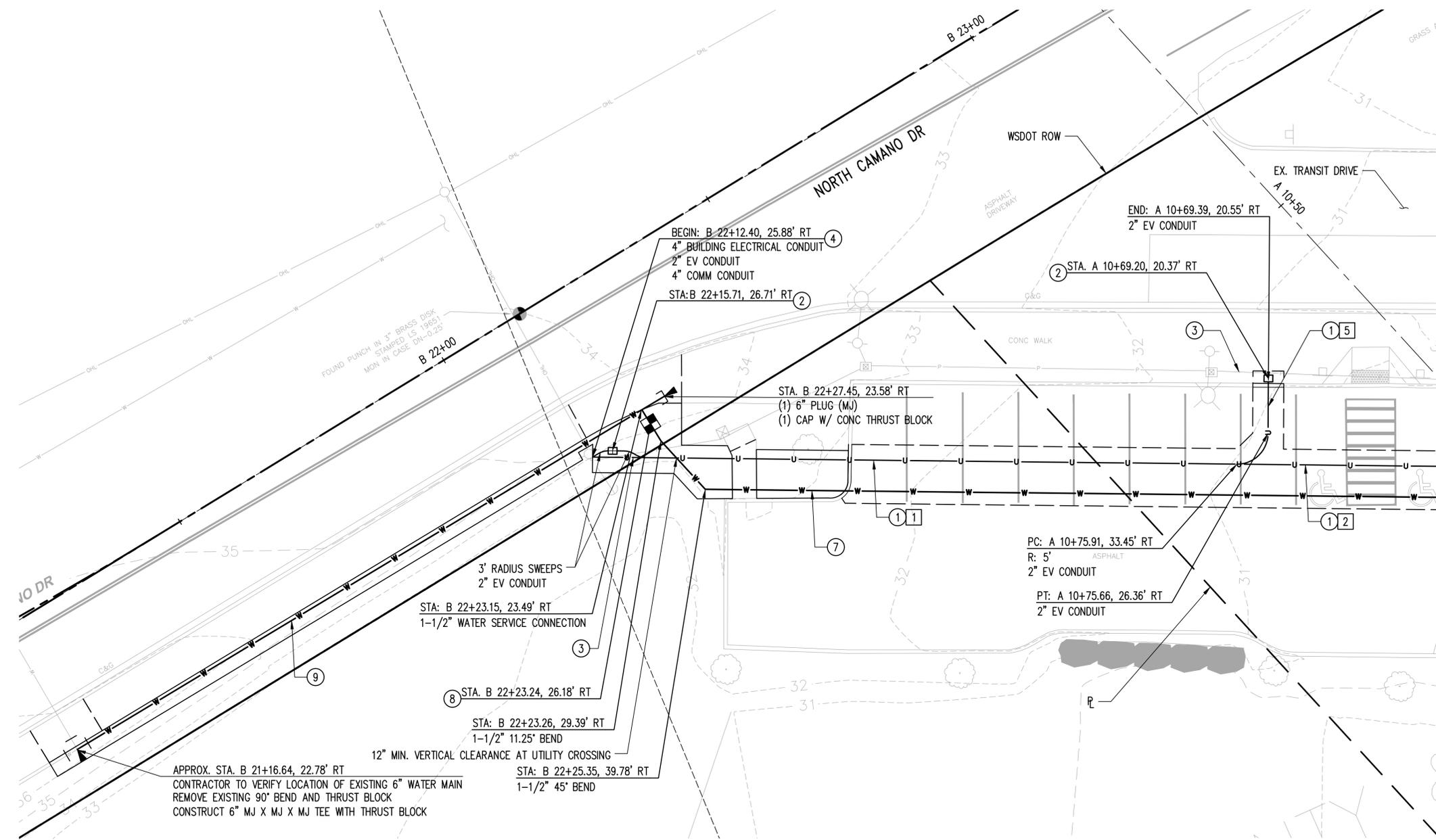
GRADING AND PAVING PLAN

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

CP.01

ISSUED FOR CONSTRUCTION

Path: Z:\2200001-2209999\2200490 ITOC #01-21 W0#4 Terry's Corner Driver Facilities - Civil\CADD\Design\ITTC-CU.dwg Plot date: Jan 13, 2025-12:59:28pm CAD User: Tomc.
 Xref Filename: | V22520-SRV-EXP | V22520-BNDRY-KPFF | ITTC-CP | ITTC-TB | ITTC-CU |



APPROX. STA. B 21+16.64, 22.78' RT
 CONTRACTOR TO VERIFY LOCATION OF EXISTING 6" WATER MAIN
 REMOVE EXISTING 90° BEND AND THRUST BLOCK
 CONSTRUCT 6" MJ X MJ X MJ TEE WITH THRUST BLOCK

LEGEND

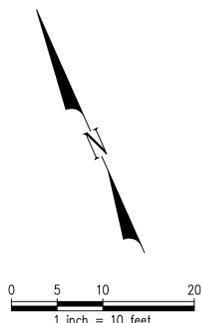
- CLEANOUT
- ┌ PIPE CAP
- ▲ THRUST BLOCK
- WATER METER
- HANDHOLE
- SPLASH BLOCK
- U — U — JOINT UTILITY TRENCH
- W — W — WATER LINE
- SS — SS — SANITARY SEWER LINE
- L — L — LIGHTING CONDUIT
- /// REMOVE LIGHTING CONDUIT
- /// ABANDON LIGHTING CONDUIT
- [X] TRENCH LAYOUT DETAIL, SEE SHEET CD.01

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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 Seattle, WA 98101
 206.422.5822
 www.kpff.com

01/13/2024

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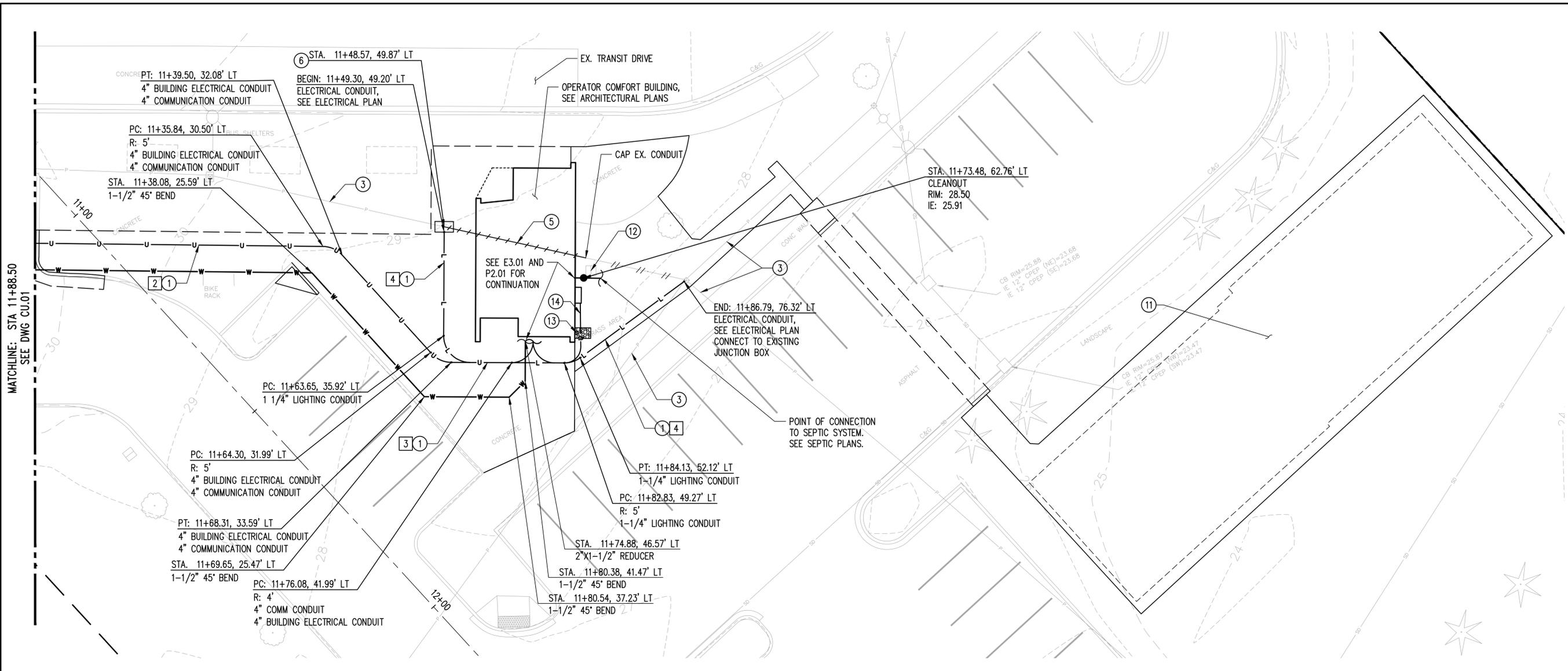
ISLAND TRANSIT TERRY'S CORNER STAFF SUPPORTER FACILITIES
 TERRY'S CORNER PARK AND RIDE
 532718 WASHINGTON CAMANO, WA
 COMPOSITE UTILITY PLAN

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

CU.01

ISSUED FOR CONSTRUCTION

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 Xref Filename: | V22520-SRV-EXP | V22520-BNDRY-KPFF | ITTC-CP | ITTC-TB | ITTC-CU |



MATCHLINE: STA 11+88.50
SEE DWG CU.01

LEGEND

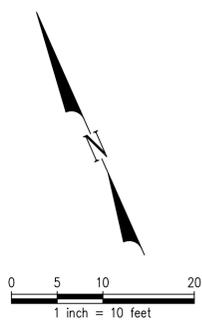
- CLEANOUT
- ⌋ PIPE CAP
- ▲ THRUST BLOCK
- WATER METER
- HANDHOLE
- SPLASH BLOCK
- U—U— JOINT UTILITY TRENCH
- W—W— WATER LINE
- SS—SS— SANITARY SEWER LINE
- L—L— LIGHTING CONDUIT
- //// REMOVE LIGHTING CONDUIT
- /// ABANDON LIGHTING CONDUIT
- [X] TRENCH LAYOUT DETAIL, SEE SHEET CD.01

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

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 TO EX. POWER SOURCE
- ⑤ REMOVE EX. LIGHTING CONDUIT
- ⑥ CONSTRUCT 8X8X14 JUNCTION BOX, SEE ELECTRICAL SHEET E1.01 FOR DETAIL
- ⑦ CONSTRUCT 1-1/2" COPPER W SVC, 30" MIN. COVER
- ⑪ SEPTIC FIELD, SEE SEPTIC PLANS
- ⑫ REMOVE EX. HOSE BIB AND CAP EXISTING WATER PIPE
- ⑬ CONSTRUCT DOWNSPOUT SPLASH BLOCK, SEE SHEET CD.01, DETAIL 6. SEE ARCH PLANS FOR DOWNSPOUT LOCATION
- ⑭ CONSTRUCT (3) 3/4" CONDUITS, SEE E3.01 FOR DETAILS



ISSUED FOR CONSTRUCTION

Island Transit

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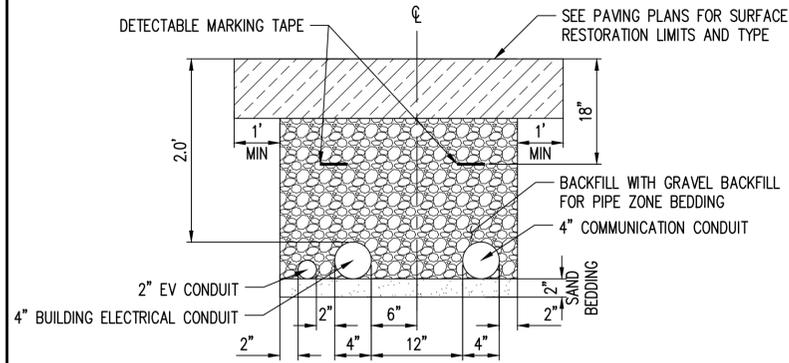
Professional Engineer Seal for **ACHARY R. J. PATE**, License No. 40822, State of Washington, dated 01/13/2024.

NO.	DATE	ISSUED FOR CONSTRUCTION	REVISION
0	12/13/2024		

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

PROJECT NO.: RTA/OA 0206-19
 SCALE: AS SHOWN
 DATE: 12/13/2024
 SHEET NO. **CU.02**

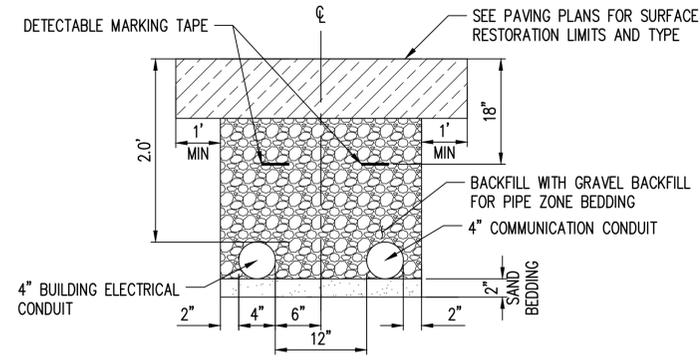
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 Xref Filename: | xITC-TB | LEIMKUHL |



TRENCH DETAIL 1

SCALE: NTS

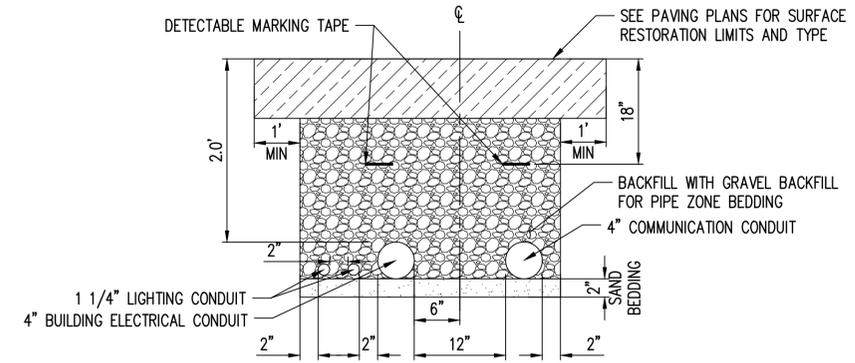
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CU.01



TRENCH DETAIL 2

SCALE: NTS

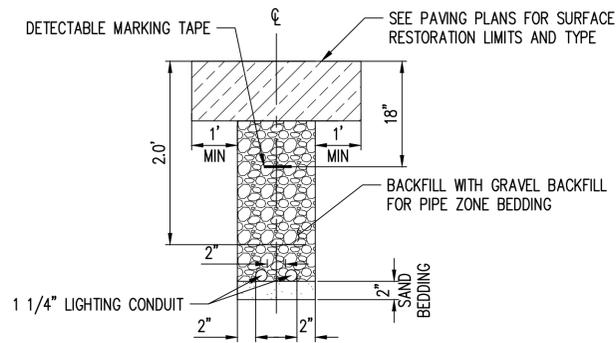
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CU.02



TRENCH DETAIL 3

SCALE: NTS

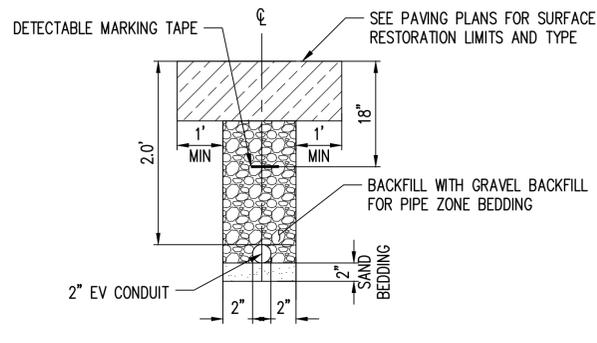
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TRENCH DETAIL 4

SCALE: NTS

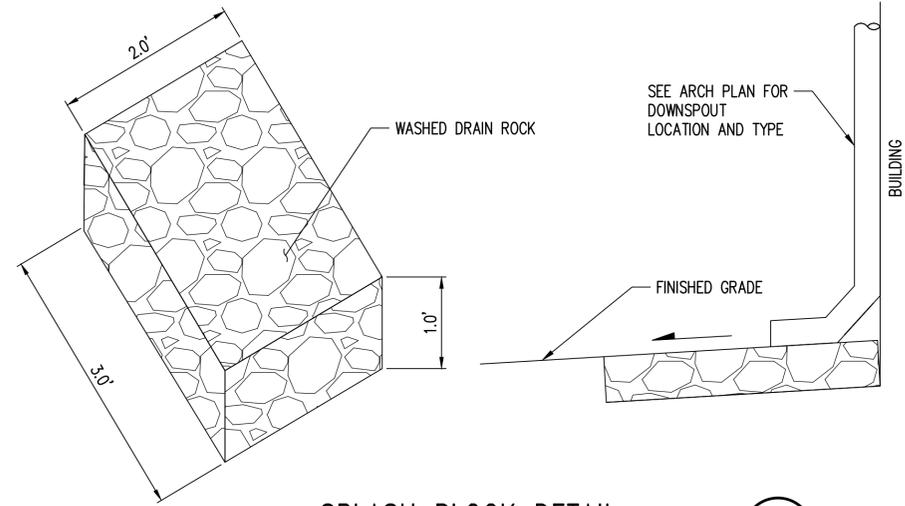
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CU.02



TRENCH DETAIL 5

SCALE: NTS

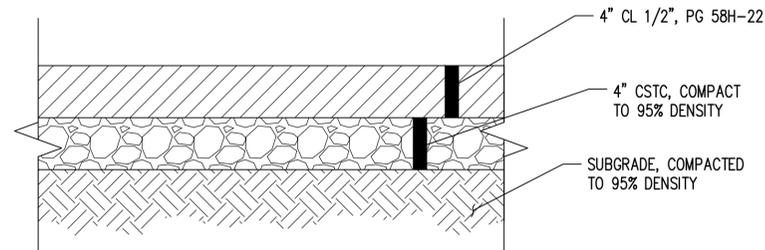
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CU.01



SPLASH BLOCK DETAIL

SCALE: NTS

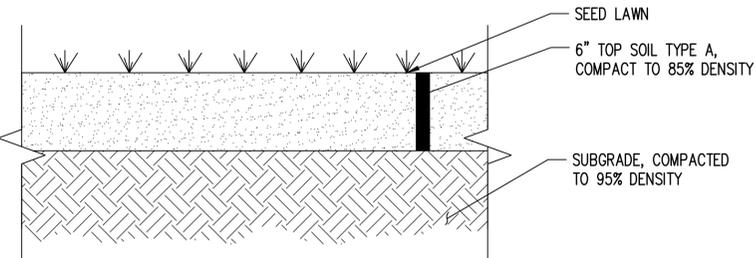
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CU.02



HMA PAVEMENT SECTION

SCALE: NTS

7
CP.01

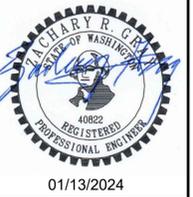


SEEDED LAWN SECTION

SCALE: NTS

8
CP.01

ISSUED FOR CONSTRUCTION



NO.	DATE	REVISION
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ISLAND TRANSIT TERRY'S CORNER
 STAFF SUPPORTER FACILITIES
 TERRY'S CORNER PARK AND RIDE
 532718 WASHINGTON
 CAMANO, WA
 CIVIL DETAILS

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

CD.01

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
 DIFF DIFFUSER
 DIM DIMENSION
 DISP DISPENSER
 DMP DECORATIVE METAL PANEL
 DMPF DAMPPROOFING
 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

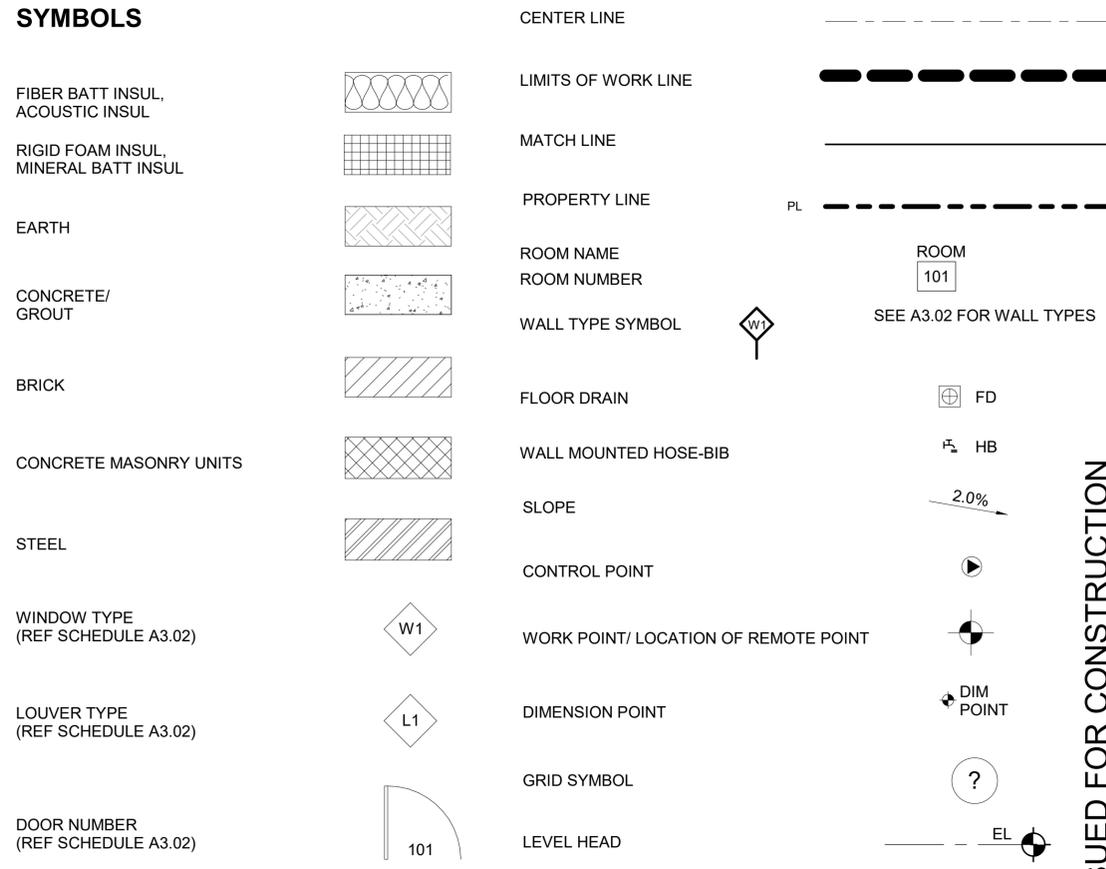
MAG MAGNET(IC)
 MAINT MAINTENANCE
 MATL MATERIAL
 MAX MAXIMUM
 MC MISC. CHANNEL STEEL MEMBER
 MD METAL DECK
 MDF MEDIUM DENSITY FIBERBOARD
 MECH MECHANICAL
 MED MEDIUM, MEDICINE, MEDICAL
 MEMB MEMBRANE
 MFR MANUFACTURER
 MIN MINIMUM, MINUTE (S)
 MIR MIRROR
 MISC MISCELLANEOUS
 MOD MODIFY, MODIFIED
 MP 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,
 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
 TMPJ 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



NO.	DATE	REVISION
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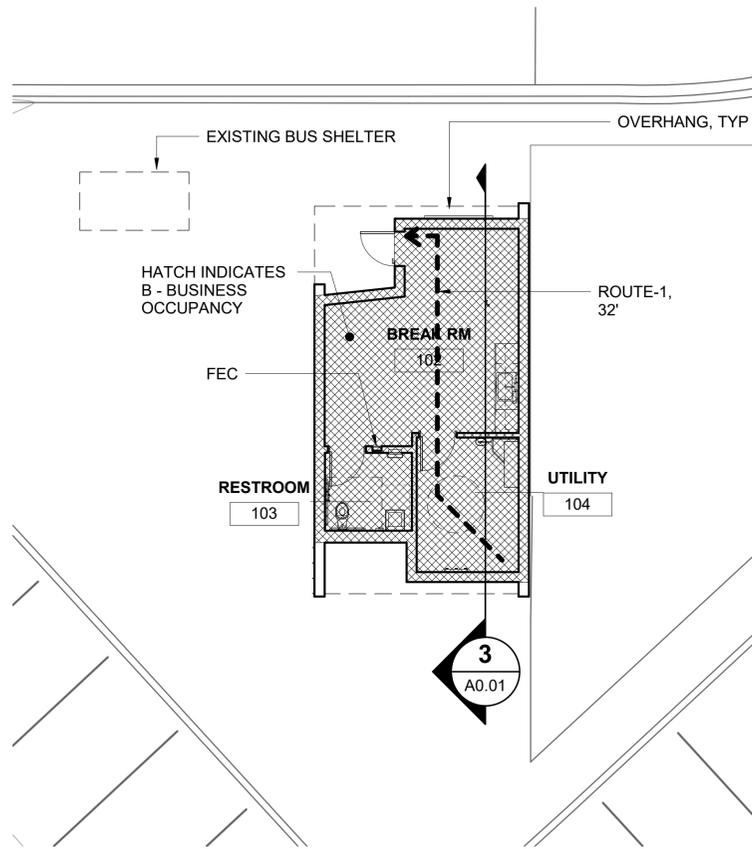
ISLAND TRANSIT TERRY'S CORNER
 STAFF SUPPORT FACILITIES
 TERRY'S CORNER PARK AND RIDE
 532 718 WASHINGTON
 CAMANO, WA 98282
 PROJECT INFO

PROJECT NO.:	-
SCALE:	AS SHOWN
DATE:	12/13/2024
SHEET NO.	A0.00

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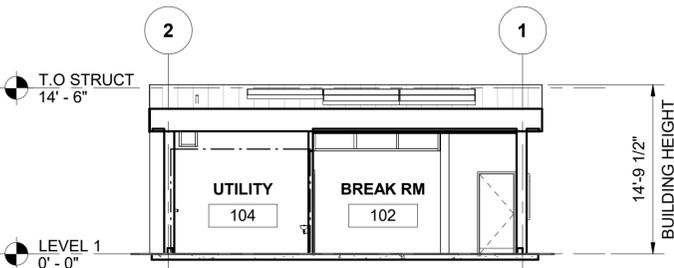
RENDERING - NE VIEW



ARCHITECTURAL CODE PLAN

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

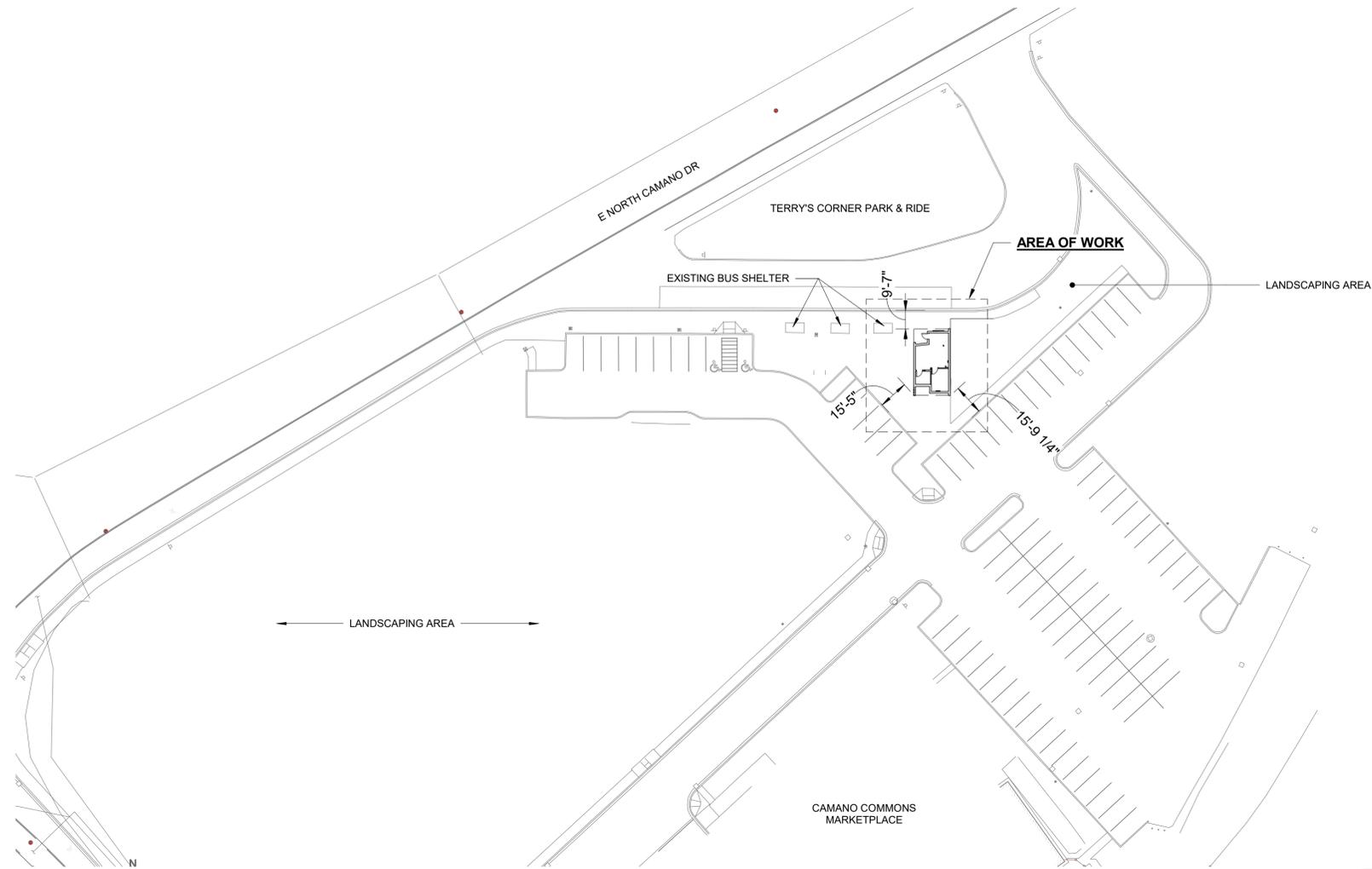
2
A0.01



CODE SECTION

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

3
A0.01



ARCHITECTURAL SITE PLAN

SCALE: 1" = 40'-0"

1
A0.01

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 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	524 SF	5 OCCUPANTS
EGRESS COMPONENT	SIZE	EGRESS FACTOR	EGRESS CAPACITY
DOOR 101	36" (NOM) 34" CLEAR	.2	49 OCCUPANTS

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

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SCHARRERAD



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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
DATE:	12/13/2024
SHEET NO.	

A0.01

ISSUED FOR CONSTRUCTION

ENERGY CODE SUMMARY

BUILDING DESCRIPTION

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

C406.1 – EFFICIENCY PACKAGE CREDIT SUMMARY, 6 POINTS REQUIRED

OPTION 2*: REDUCED LIGHTING POWER, OPTION 1 IN ACCORDANCE 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

TOTAL POINTS ACHIEVABLE: 6

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

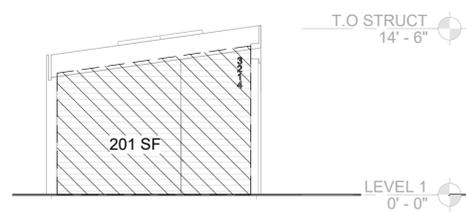
EXTERIOR DOORS: SWINGING - REQD U=0.37
PROVIDED: U=0.37

*REFER TO ELECTRICAL LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION

TARGET TOTAL UA = 138
PROPOSED TOTAL UA = 117

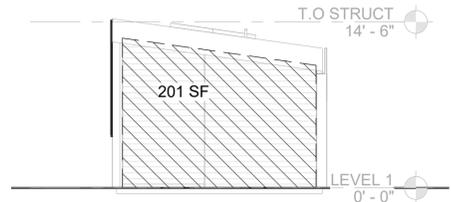
WASHINGTON ENERGY CODE COMMERCIAL - NOTES

- IDENTIFICATION MARK SHALL BE APPLIED TO ALL INSULATION MATERIALS AND INSULATION INSTALLED SUCH THAT THE MARK IS READILY OBSERVABLE DURING INSPECTION
- NO BUILDING ENTRANCE VESTIBULE - C402.5.7, BUILDING HEIGHT AND AREA EXCEPTION 8.
- 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.
- LIGHTING CONTROLS WILL COMPLY WITH SECTION C405.2 AND C406.3.2.
- EXTERIOR LIGHTING POWER REQUIREMENTS WILL COMPLY WITH C405.5. INTERIOR LIGHTING POWER REQUIREMENTS WILL COMPLY WITH C405.4.



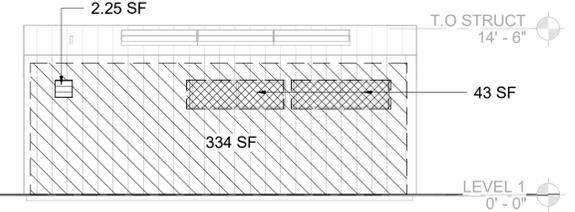
WSEC NORTH ELEVATION

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



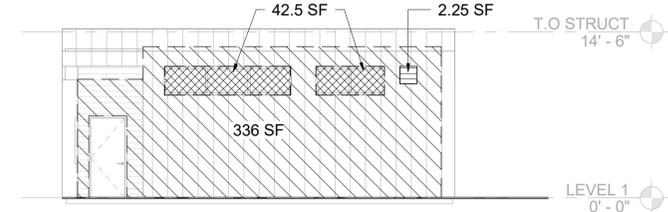
WSEC SOUTH ELEVATION

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



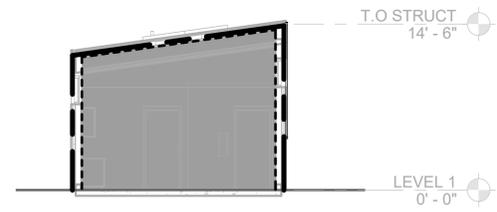
WSEC EAST ELEVATION

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



WSEC WEST ELEVATION

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



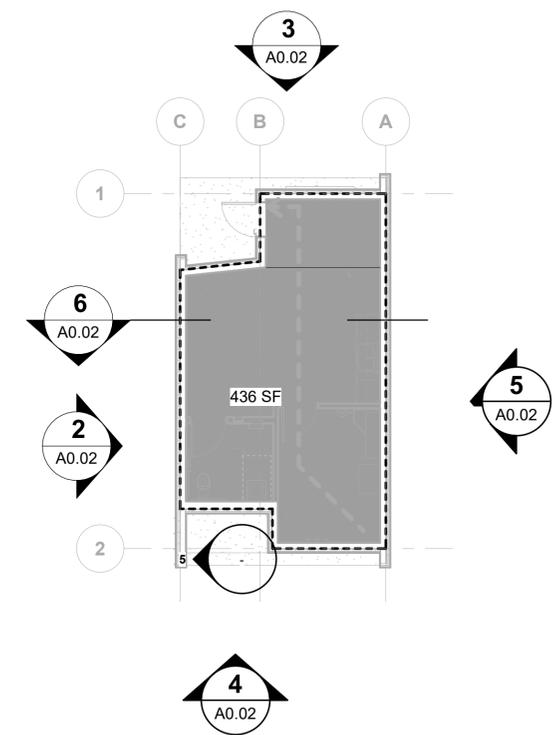
WEC SECTION

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



ENERGY CODE LEGEND

- FULLY CONDITIONED SPACES
- FENESTRATION
- OPAQUE, ABOVE-GRADE INSULATED WALLS
- OUTDOOR AIR SUPPLY AND EXHAUST LOCATIONS - PER C403.2.4.3
- CONTINUOUS INSULATION
- AIR BARRIER



LEVEL 1 FLOOR PLAN

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



ISSUED FOR CONSTRUCTION

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

SCHARRERAD

7566
REGISTERED ARCHITECT
Christine Scharrer
Christine Scharrer
STATE OF WASHINGTON

NO.	DATE	REVISION
0	12/13/2024	ISSUED FOR CONSTRUCTION

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

ENERGY CODE ANALYSIS

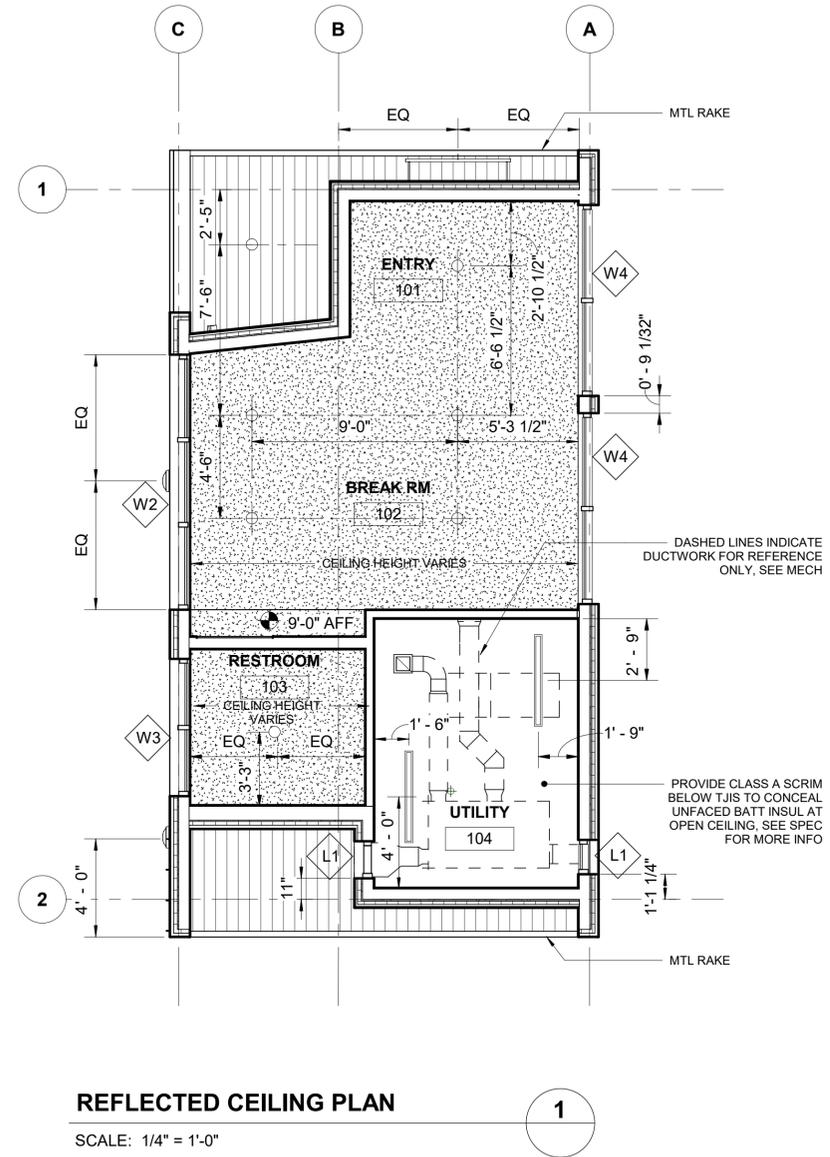
PROJECT NO.:	-
SCALE:	AS SHOWN
DATE:	12/13/2024
SHEET NO.	

A0.02

NOTE: DIMS SHOWN TO CENTER OF LIGHT FIXT, UNO



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REFLECTED CEILING PLAN

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

CEILING LEGEND

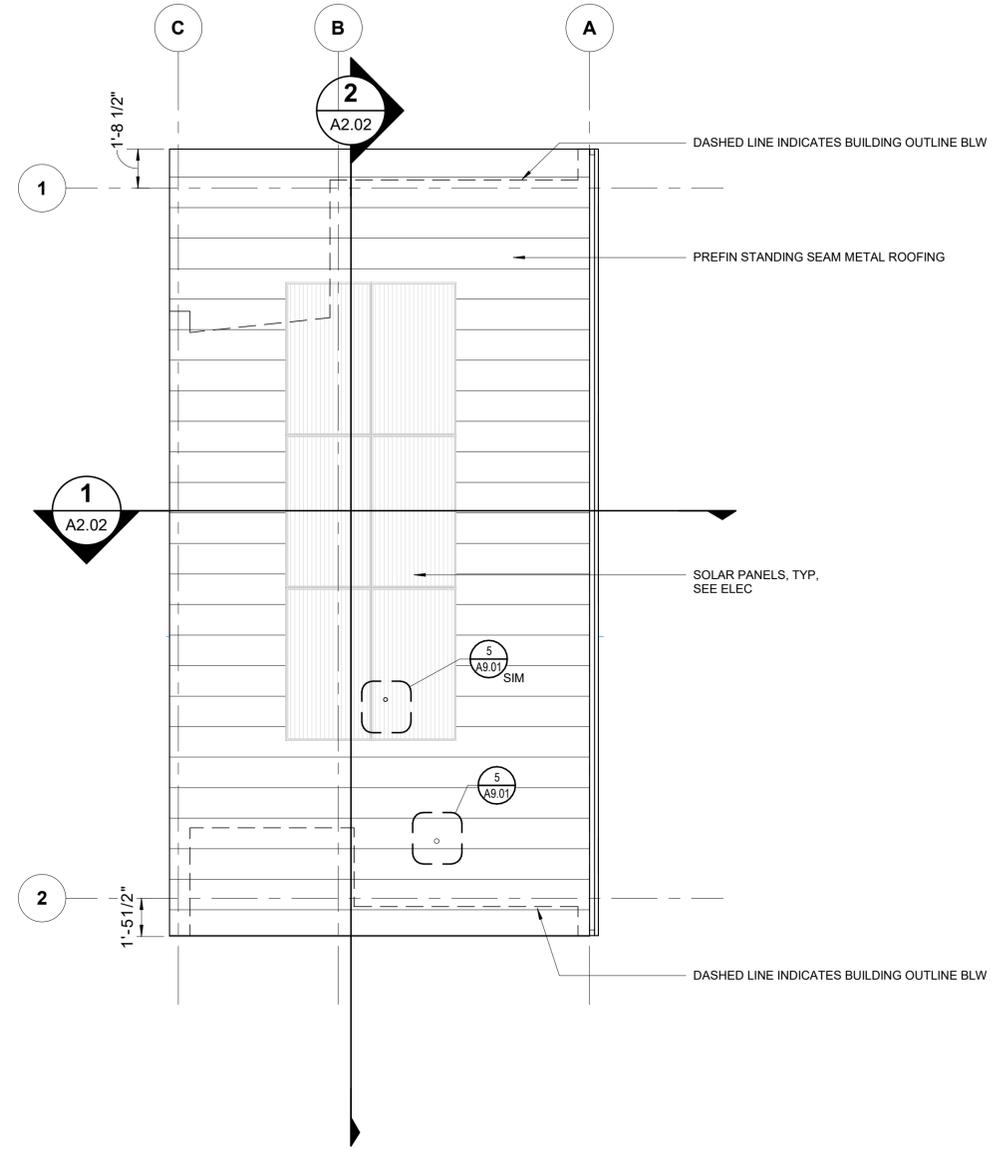
-  OPEN TO STRUCTURE, WITH SCRIM
-  WOOD T&G SOFFIT
-  4' LINEAR LIGHT FIXTURE, WALL MTD, PER ELEC
-  4' LINEAR LIGHT FIXTURE, SUSPENDED, PER ELEC
-  GRILLE, PER MECH
-  GWB, PTD
-  RECESSED CAN LIGHT FIXT, PER ELEC
-  DUCTWORK, PER MECH
-  WINDOW OR LOUVER TAG

ISSUED FOR CONSTRUCTION

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



ROOF PLAN

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

1

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

SCHARRERAD

7566
REGISTERED ARCHITECT
Christine Scharrer
Christine Scharrer
STATE OF WASHINGTON

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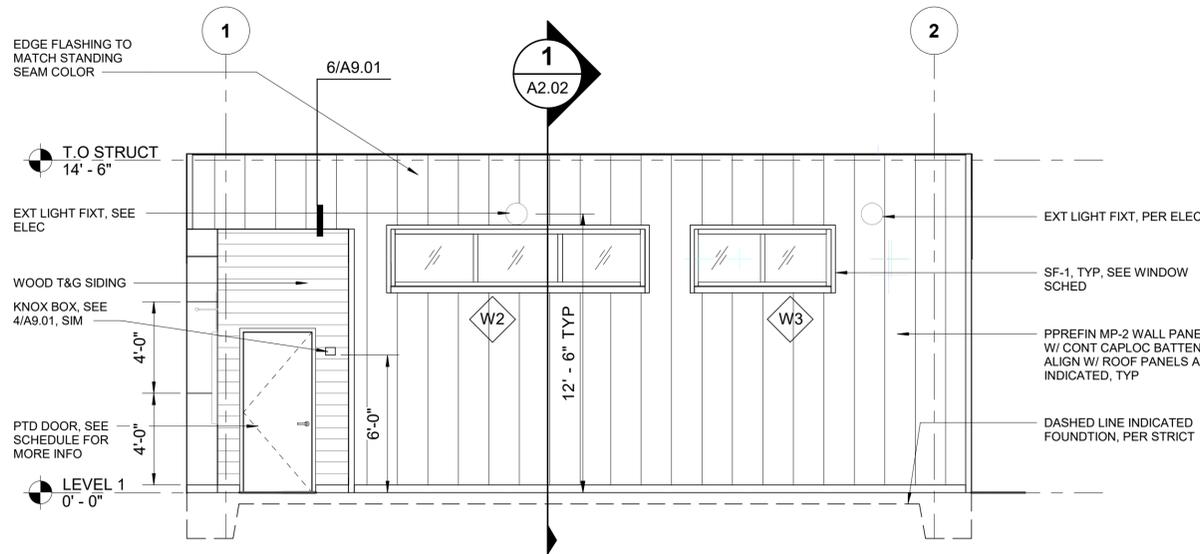
**ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE**
532 718 WASHINGTON
CAMANO, WA 98282

ROOF PLAN

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

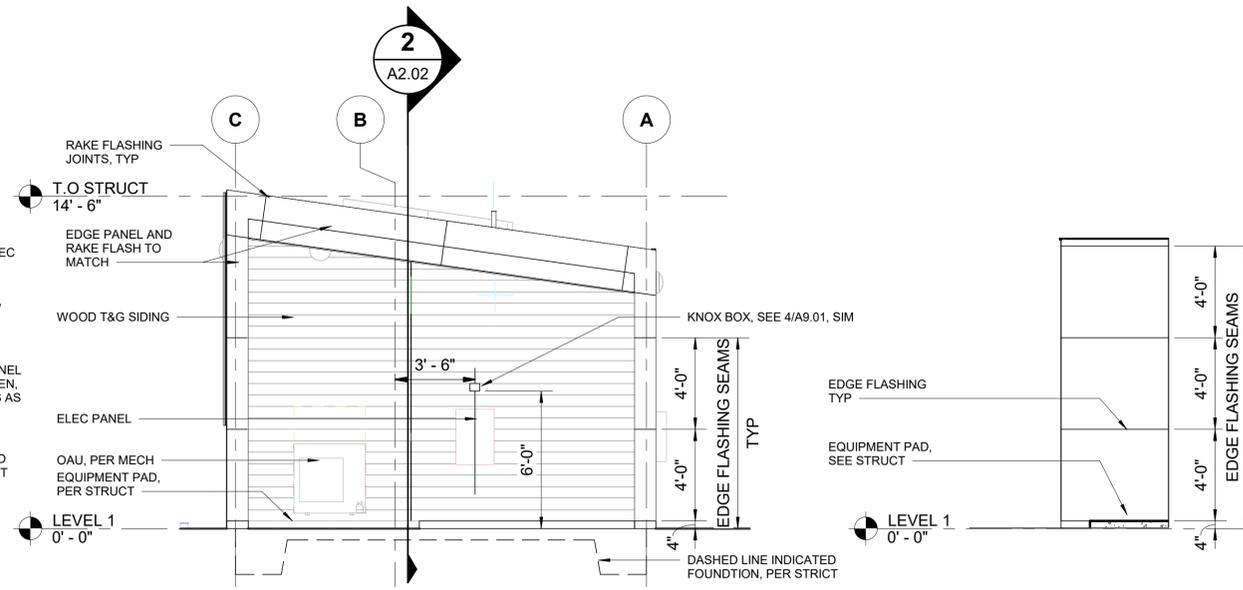
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WEST ELEVATION

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

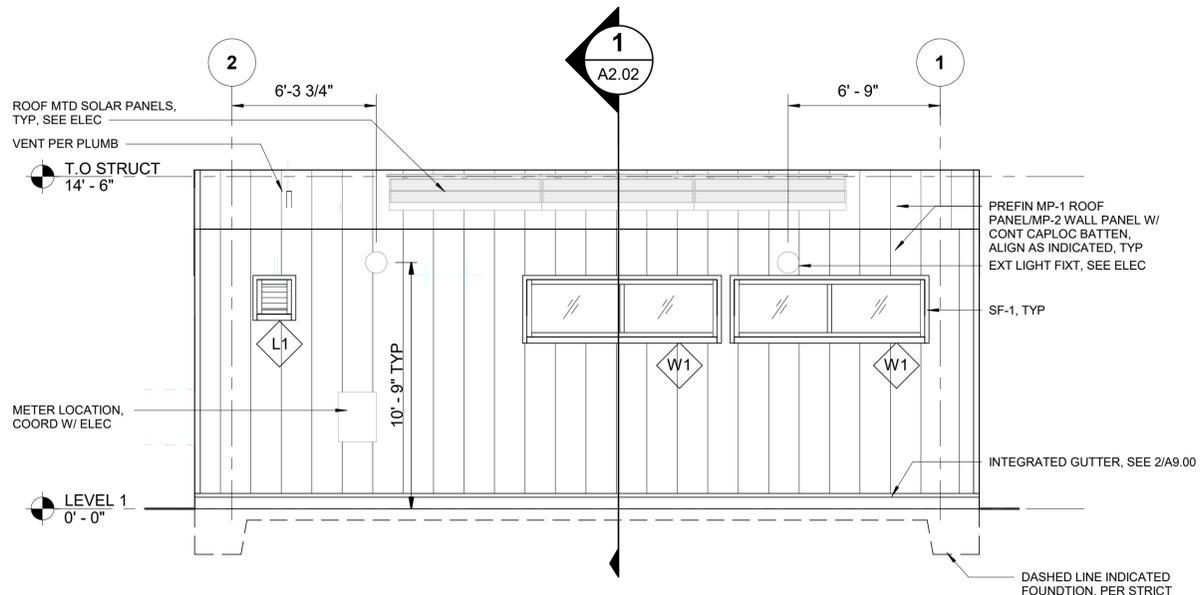


SOUTH ELEVATION

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

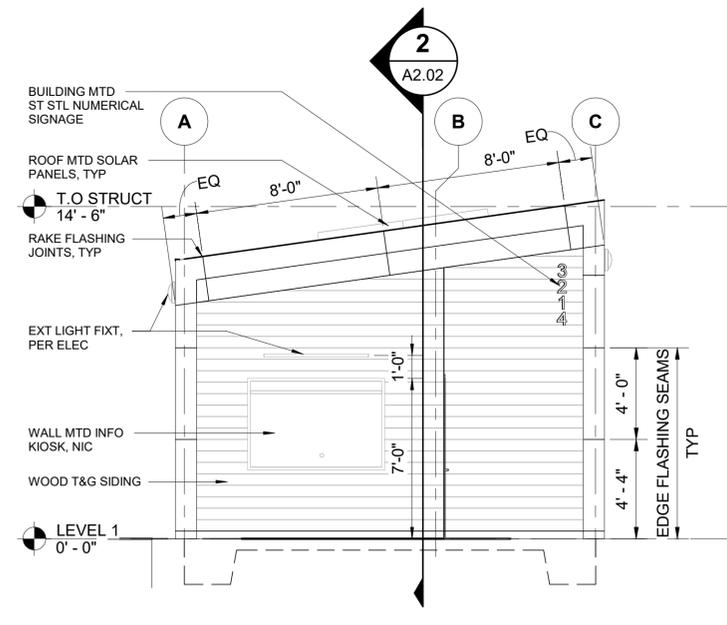
ELEVATION AT EQUIP PAD

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



EAST ELEVATION

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



NORTH ELEVATION

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

NO.	DATE	REVISION
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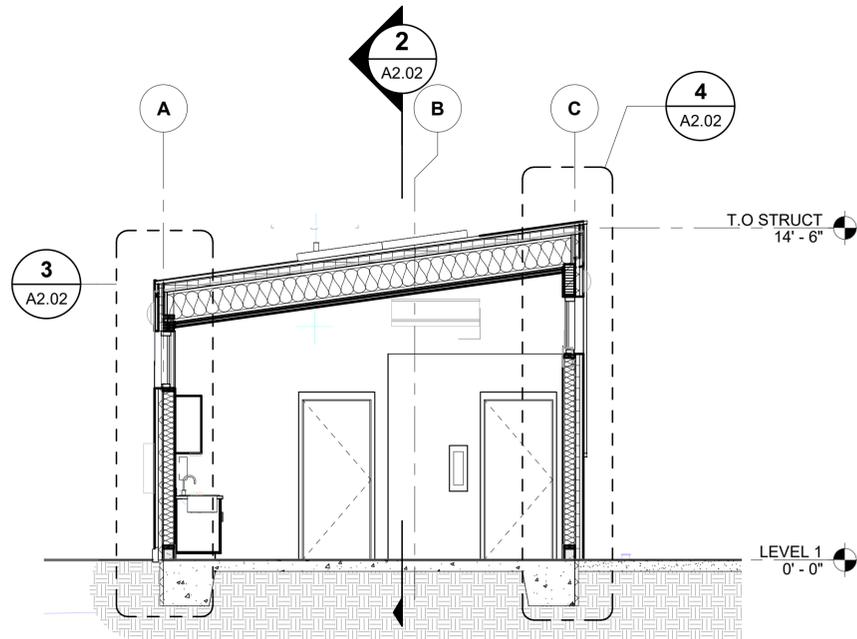
ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282
EXTERIOR ELEVATIONS

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

A2.01

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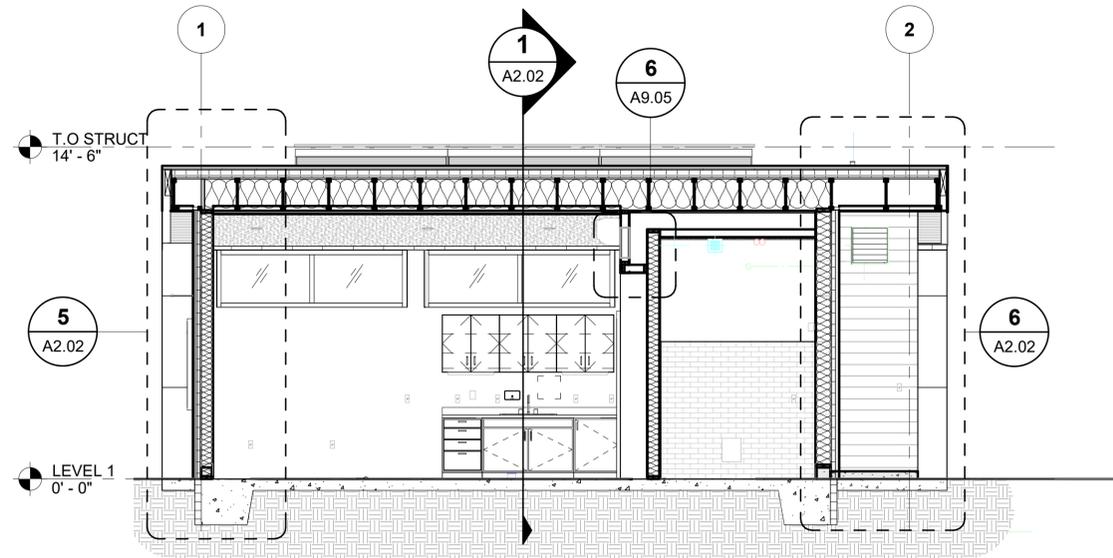
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BUILDING SECTION

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

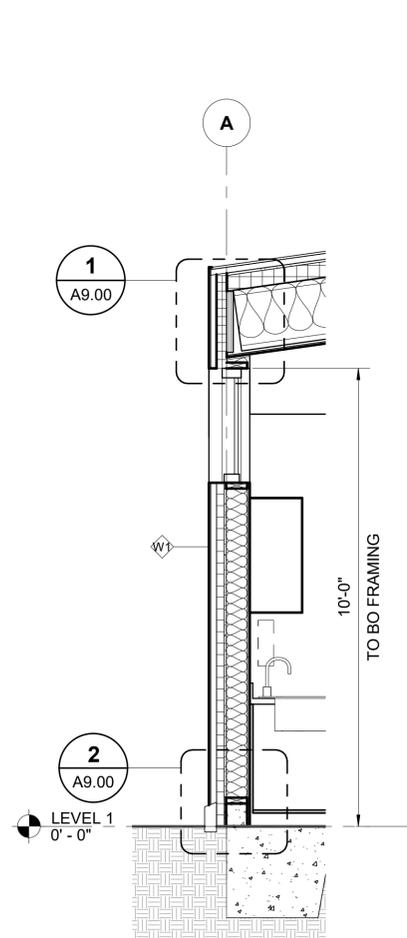
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BUILDING SECTION

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

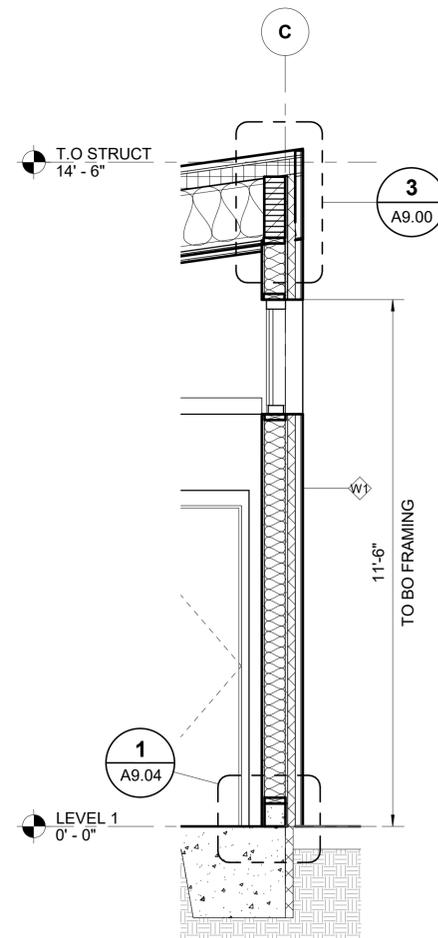
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WALL SECTION

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

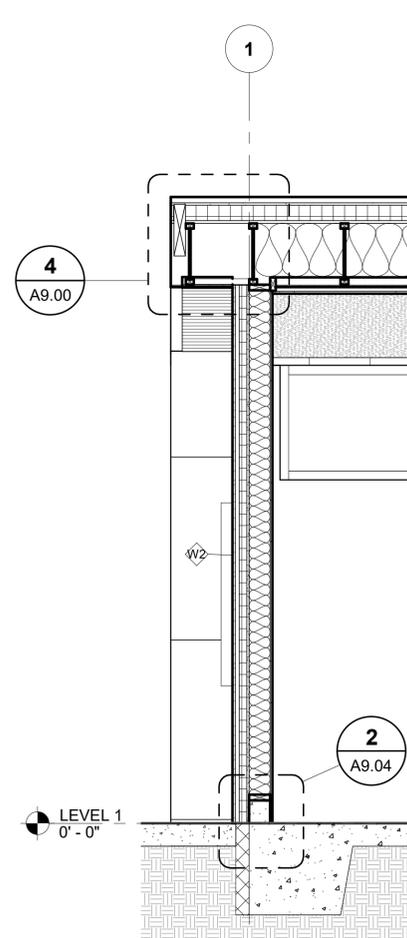
3



WALL SECTION

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

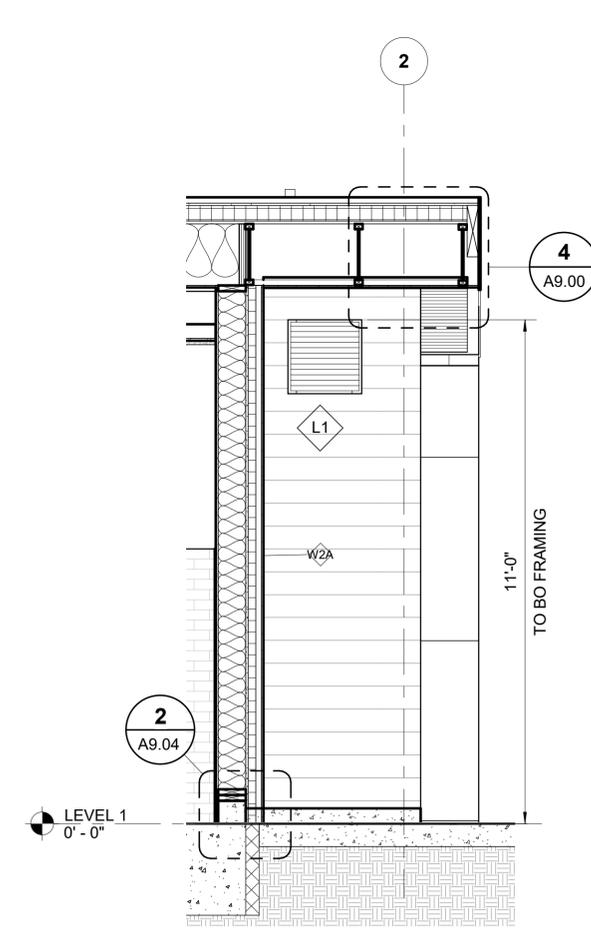
4



WALL SECTION

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

5



WALL SECTION

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

6

ISSUED FOR CONSTRUCTION

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

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

A2.02

NO.	DATE	REVISION
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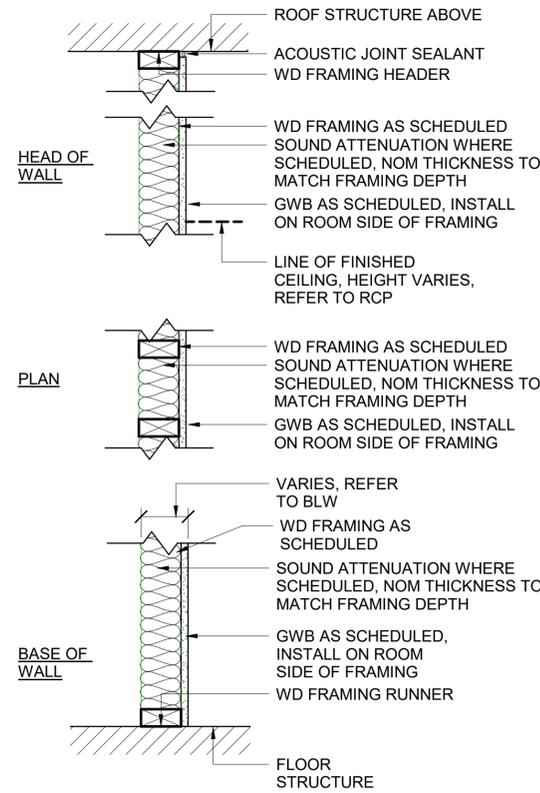
7566
REGISTERED ARCHITECT
Christine Scharrer
Christine Scharrer
STATE OF WASHINGTON

SCHARRERAD

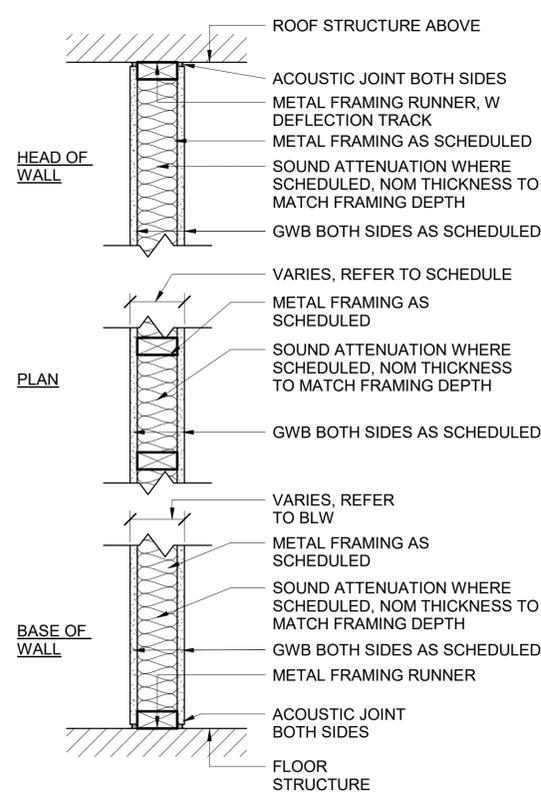
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1601 5th Avenue,
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Island Transit

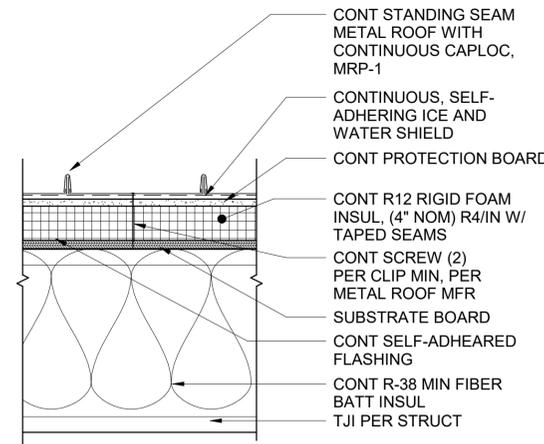
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PARTITION TYPE - P1: 2X4 STUD FRAMING
P1A: 2X6 STUD FRAMING
PARTITION TYPE - P1
SCALE: 1 1/2" = 1'-0"



PARTITION TYPE - P2: 2X4 STUD FRAMING
P2A: 2X6 STUD FRAMING
PARTITION TYPE - P2
SCALE: 1 1/2" = 1'-0"



2018 SEATTLE ENERGY CODE - ROOF INSULATION ABOVE DECK
2018 SEATTLE ENERGY CODE TABLE A102.2.6(3)
U-VALUE REQUIRED U0.027
U-VALUE PROVIDED U0.020

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

GENERAL PARTITION NOTES

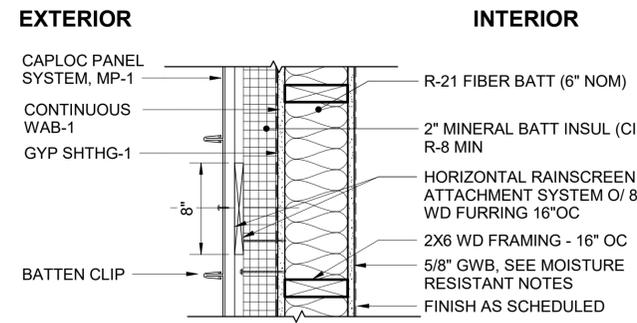
- NOT ALL PARTITION GROUPS OR TYPES WITHIN GROUPS HAVE BEEN UTILIZED - RESULTING TYPE NUMBERS MAY NOT BE SEQUENTIAL. REFER TO PARTITION SCHEDULES FOR TYPES UTILIZED IN THIS PROJECT.
- FOR ALL PARTITION SYSTEMS THAT ARE INDICATED TO EXTEND FROM FLOOR SLAB TO UNDERSIDE OF STRUCTURE, PROVIDE ASSEMBLY AT 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.
- PROVIDE ASSEMBLY THAT WILL TRANSFER LATERAL LOADS APPLIED NORMAL TO THE FACE OF THE PARTITION SYSTEM INTO THE STRUCTURE OR FLOOR SLAB ABOVE.
- 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%).
- 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.
- ALL GYPSUM BOARD IS TO BE 5/8" THICK, TYPE X, UNO.
- 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

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

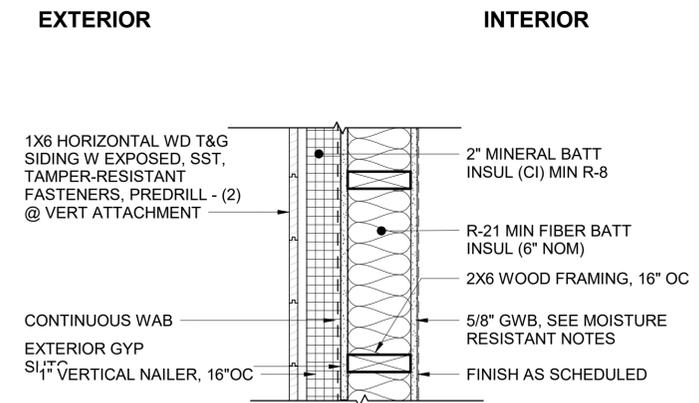
ACOUSTIC PARTITION NOTES

- 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.
- SOUND ATTENUATION INSULATION, NOMINAL THICKNESS, TO MATCH FRAMING DEPTH.
- INSTALL SOUND ATTENUATION INSULATION FULL HEIGHT OF WALL.
- SECURE SOUND ATTENUATION INSULATION SO AS NOT TO FALL.
- PROVIDE ACOUSTIC PARTITIONS IN ALL TOILET ROOMS AND LACTATION ROOM INTERIOR PARTITION WALLS.



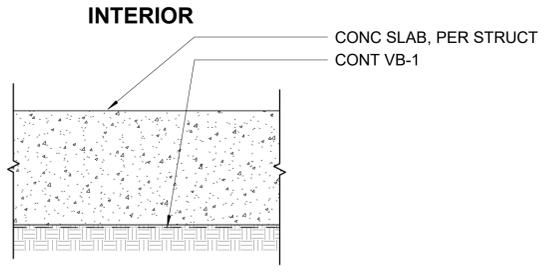
2018 WASHINGTON ENERGY CODE TABLE C402.1.3
U-VALUE REQUIRED U-0.054
U-VALUE PROVIDED U-0.034

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



2018 WASHINGTON ENERGY CODE TABLE C402.1.3
U-VALUE REQUIRED U-0.054
U-VALUE PROVIDED U-0.034

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.



NO.	DATE	REVISION	ISSUED FOR CONSTRUCTION
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ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282
ASSEMBLY SCHEDULE

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

A3.01

ISSUED FOR CONSTRUCTION

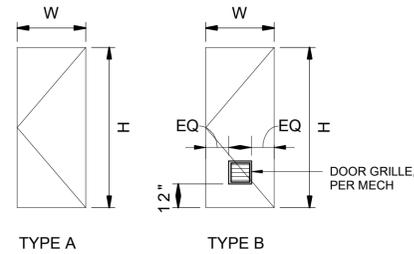
DOOR AND FRAME SCHEDULE

DOOR #	ROOM NAME	DOOR			FRAME		DETAILS			HARDWARE GROUP	U-FACTOR	REMARKS			
		WIDTH	HEIGHT	TYPE	FINISH	MATERIAL	TYPE	MATERIAL	FRAME FINISH				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	4/A9.03	2/A9.03	-	HW-02	N/A	
104	UTILITY	3' - 0"	7' - 0"	A	CLR	SCWD	1	HM	PTD	2/A9.03	2/A9.03	-	HW-03	N/A	
105															
106															

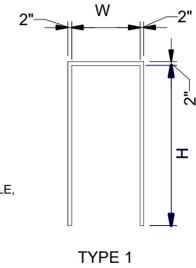
NOTES:

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.

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

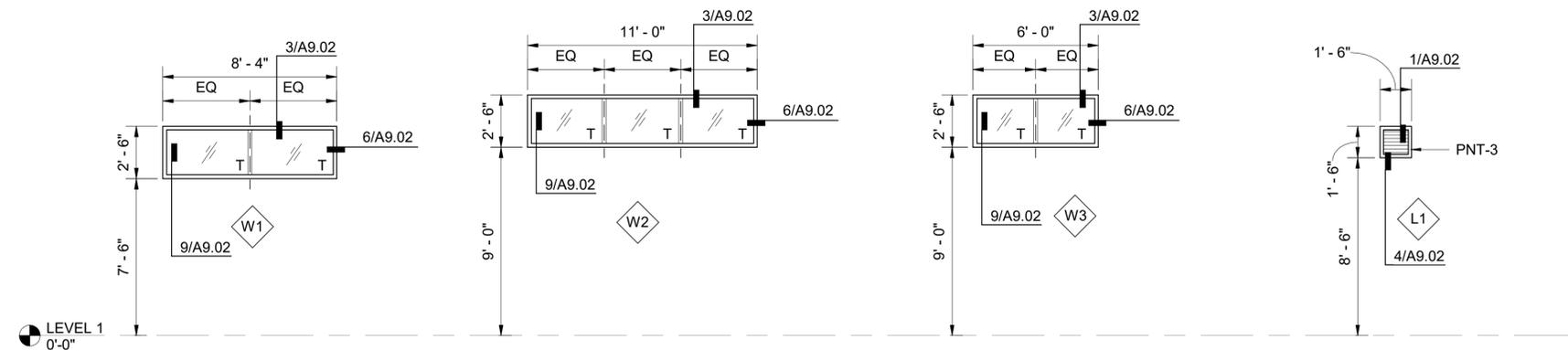
HARDWARE SET #2 - INTERIOR TOILET ROOM
 PRIVACY LOCKSET W/ EGRESS DEADBOLT
 VACANT/OCCUPIED INDICATOR
 LEVER LATCHSET
 MORTISE CYLINDER
 3 HINGES
 1 CLOSER
 1 FLOOR STOP
 MOP PLATE
 KICK PLATE
 DOOR SEALS

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

SCHEDULE KEY

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

WINDOW TYPE SCHEDULE



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

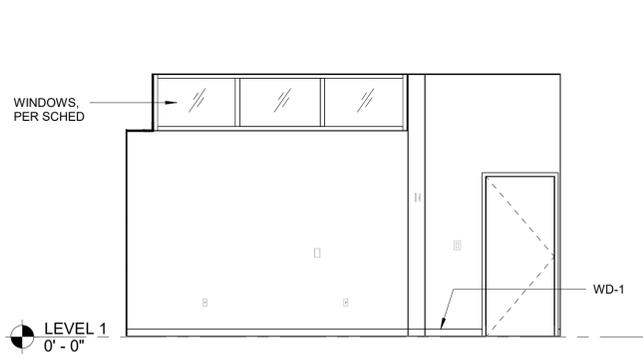
NO.	DATE	REVISION
0	12/13/2024	ISSUED FOR CONSTRUCTION

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

ISSUED FOR CONSTRUCTION

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

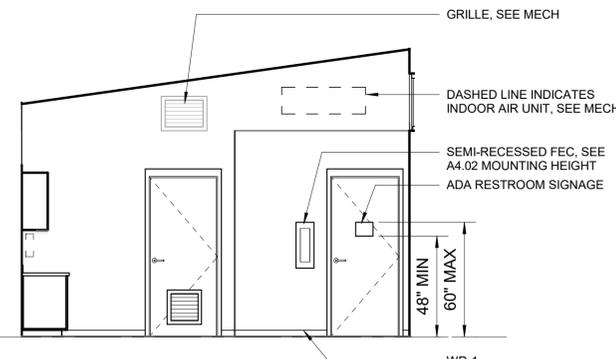
A3.02



BREAK ROOM 101/102 - WEST

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

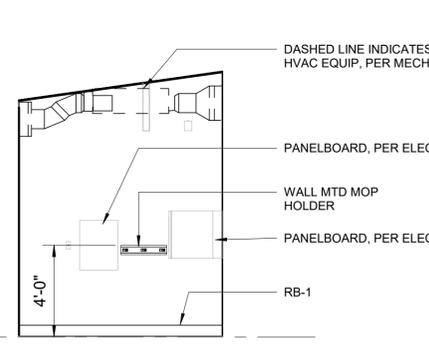
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BREAK ROOM 102 - SOUTH

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

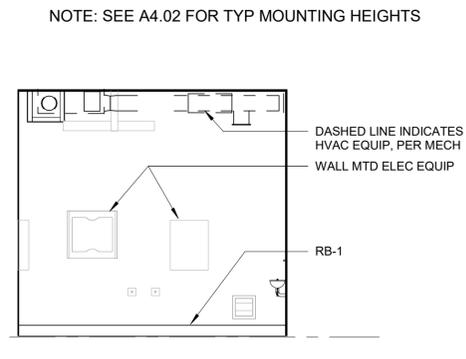
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UTILITY ROOM 104 - SOUTH

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

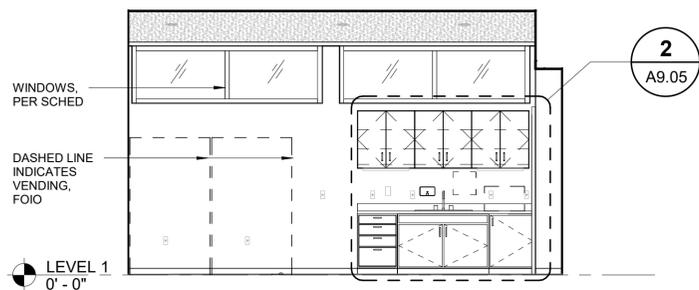
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UTILITY ROOM 104 - WEST

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

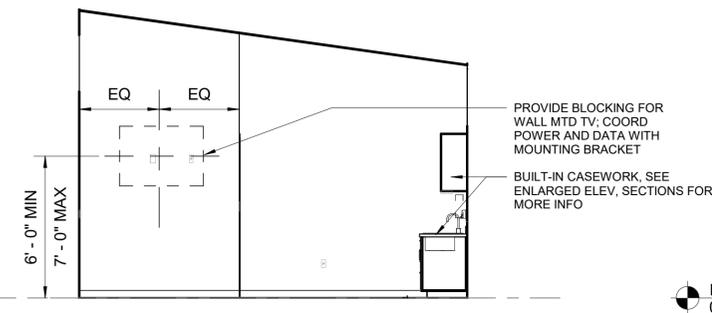
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BREAK ROOM 102 - EAST

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

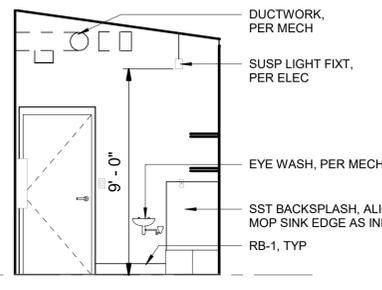
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BREAK ROOM 101/102 - NORTH

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

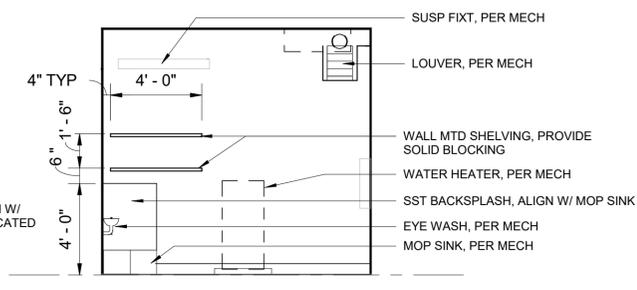
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UTILITY ROOM 104 - NORTH

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

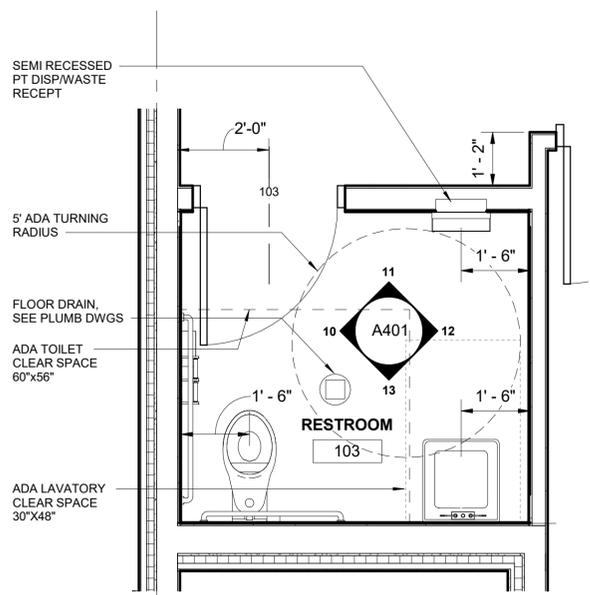
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UTILITY ROOM 104 - EAST

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

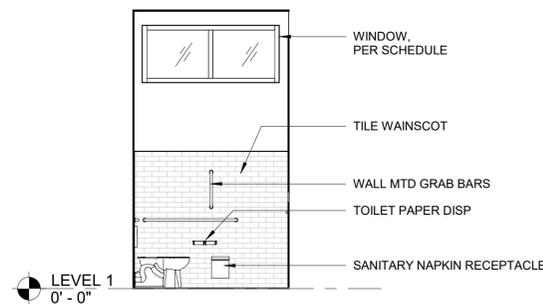
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ENLARGED PLAN - RESTROOM 103

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

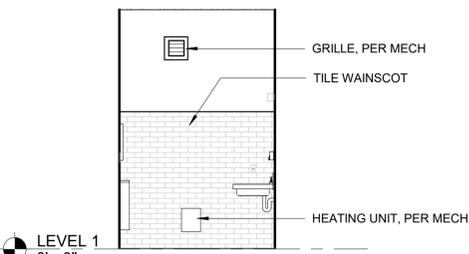
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RESTROOM 103 - WEST

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

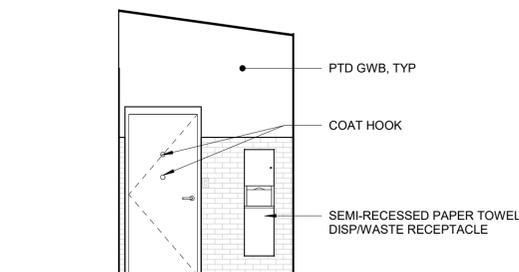
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RESTROOM 103 - EAST

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

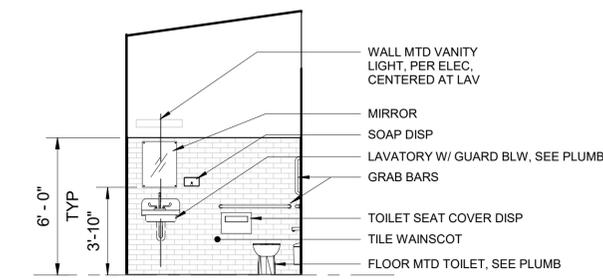
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RESTROOM 103 - NORTH

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

11



RESTROOM 103 - SOUTH

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

13

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SCHARRERAD

7566

REGISTERED ARCHITECT

Christine Scharrer

STATE OF WASHINGTON

NO.	DATE	REVISION	ISSUED FOR CONSTRUCTION
0	12/13/2024		

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

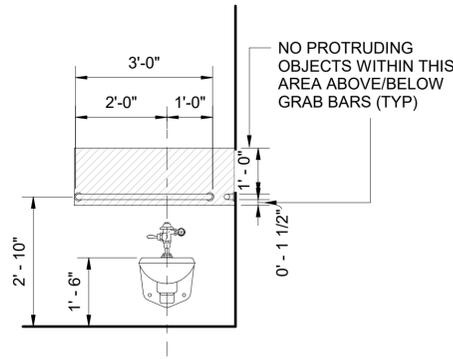
INTERIOR ELEVATIONS

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

A4.01

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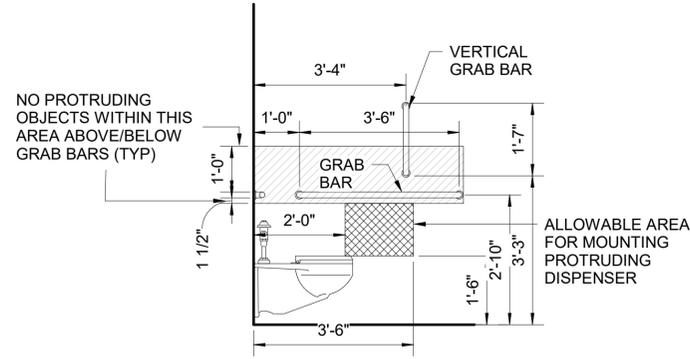
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TYP WC ELEVATION FRONT

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

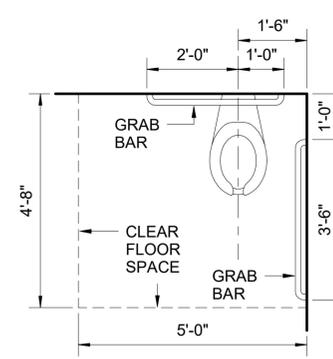
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TYP WC ELEVATION SIDE

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

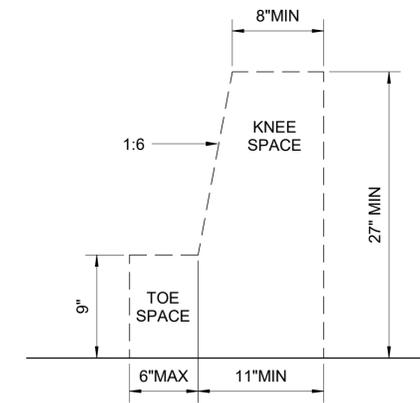
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TYP WATER CLOSET PLAN

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

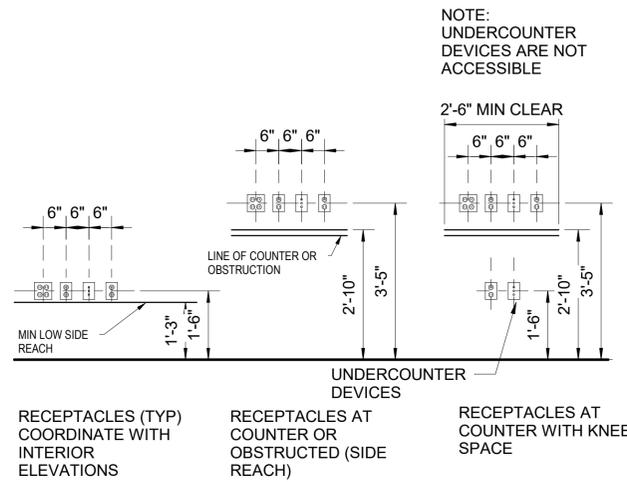
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KNEE & TOE CLEARANCES

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

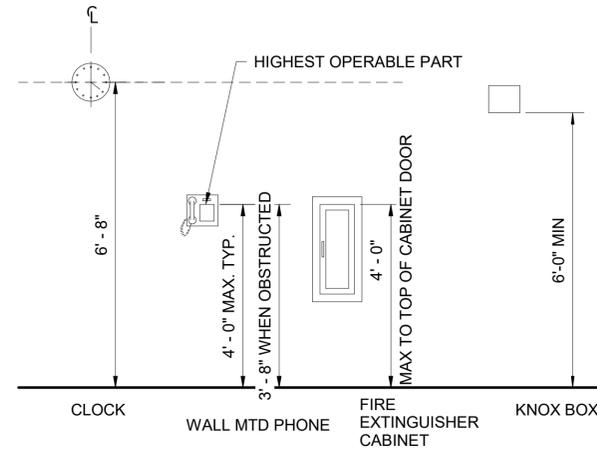
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TYP MOUNTING HTS - DEVICES

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

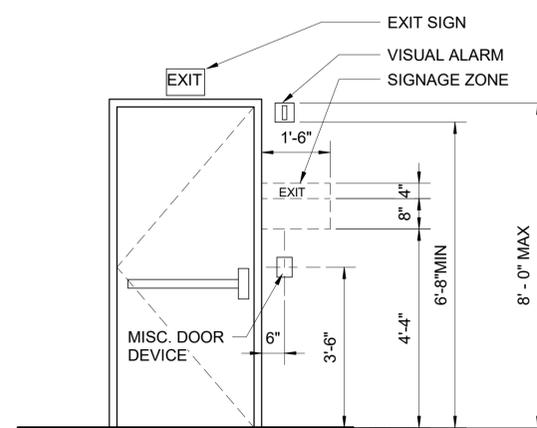
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TYP MOUNTING HTS - MISC

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

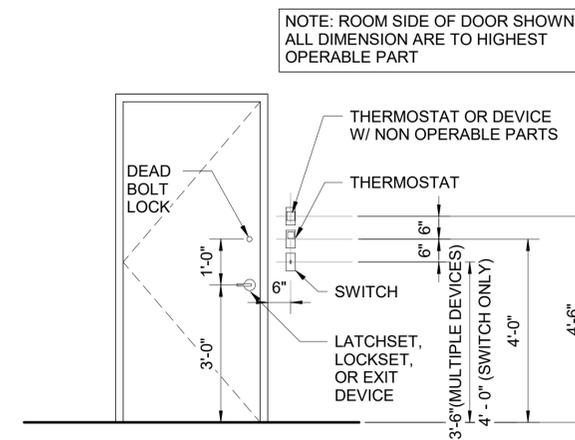
8



TYP MOUNTING HTS @ EXIT DOOR

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

6



TYP MOUNTING HTS @ DOORS

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

7

ISSUED FOR CONSTRUCTION

Island Transit

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1601 5th Avenue,
Seattle, WA 98101
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REGISTERED ARCHITECT
Christine Scharrer
STATE OF WASHINGTON

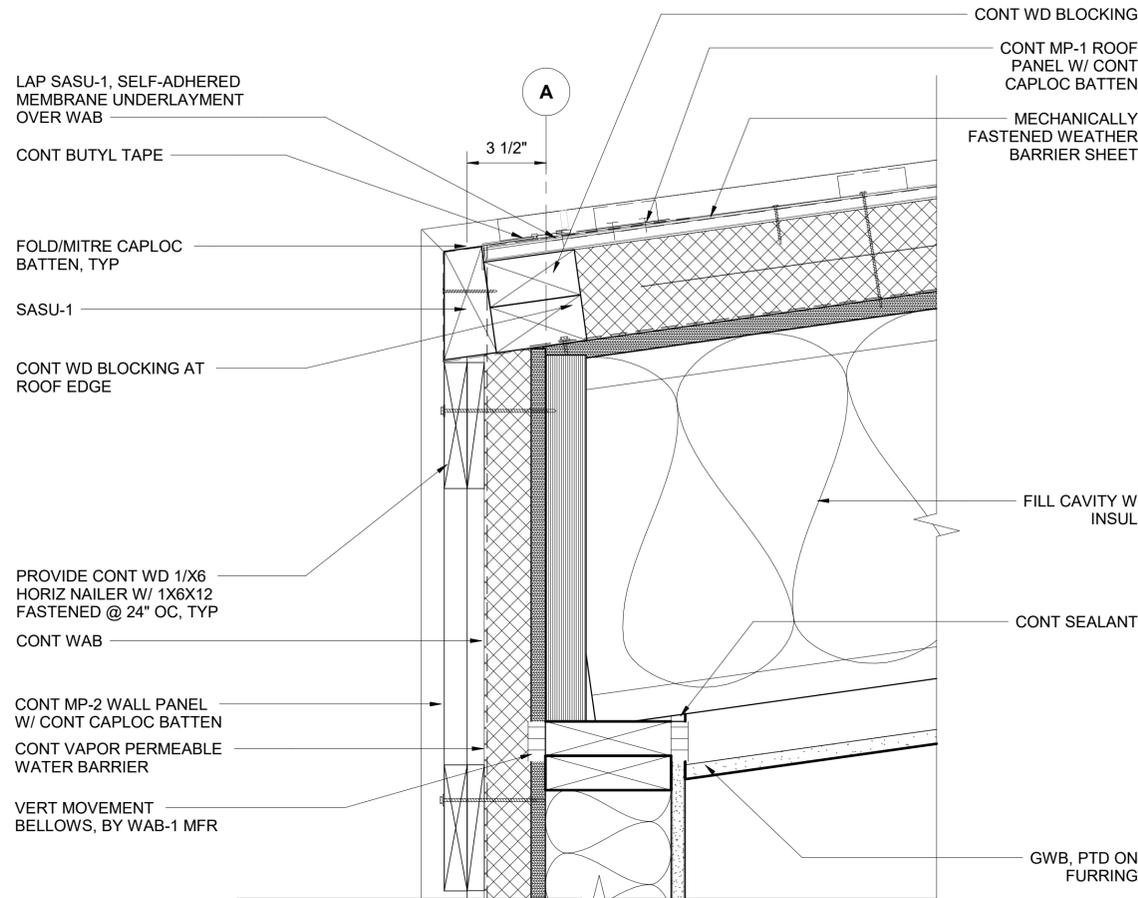
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STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

TYP MOUNTING HEIGHTS & ADA CLEARANCES

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

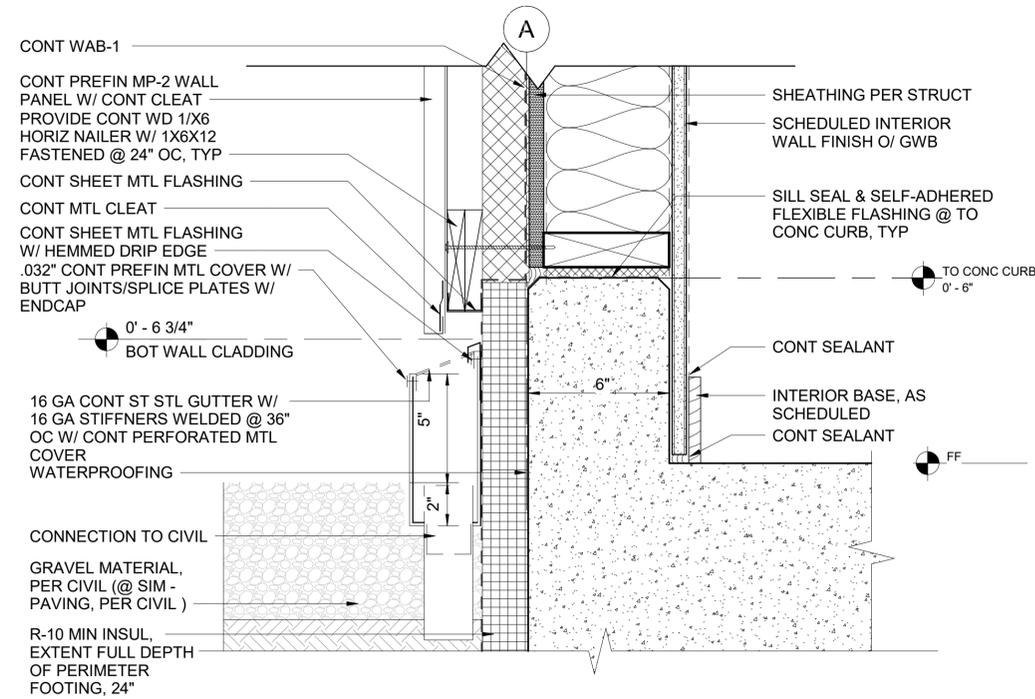
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ROOF EDGE - LOWER

SCALE: 3" = 1'-0"

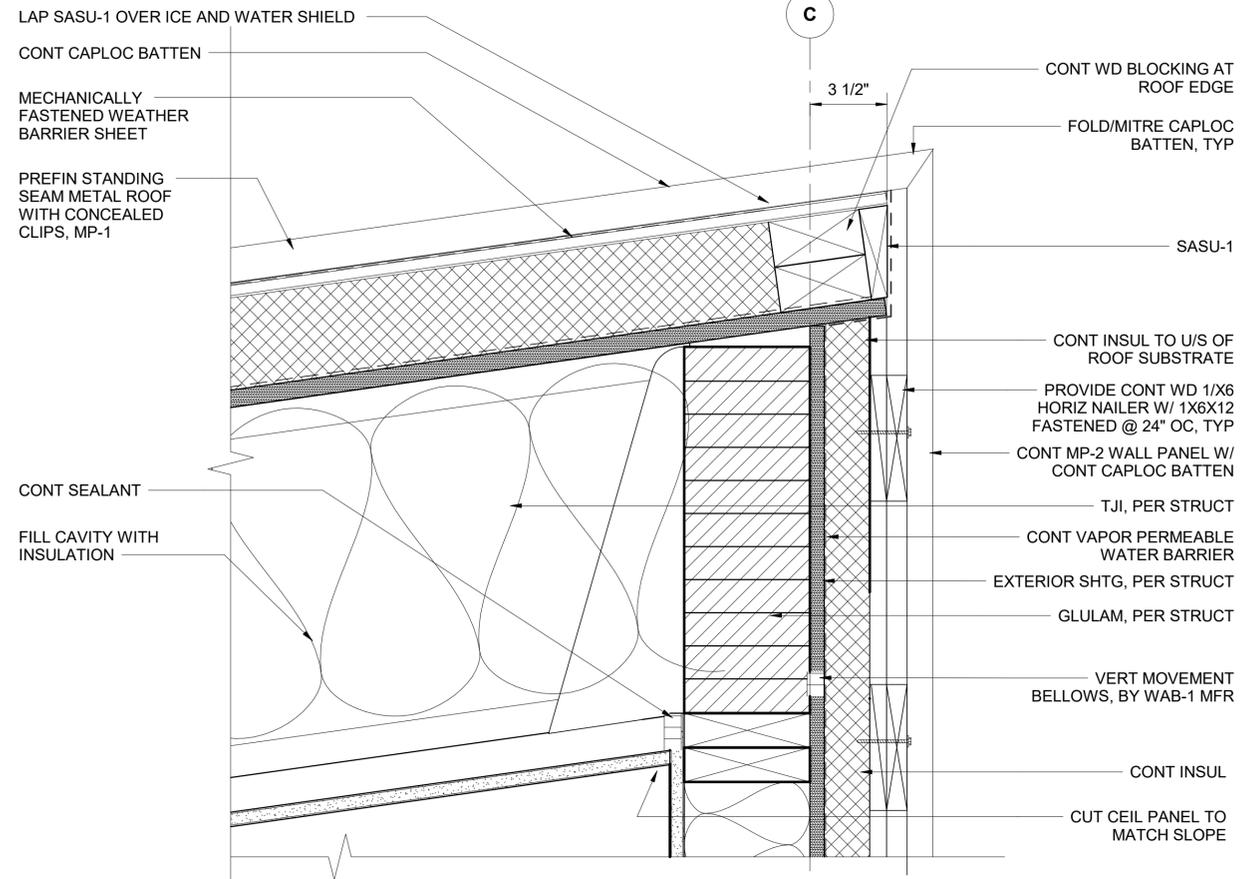
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A2.02



EXTERIOR FOUNDATION & GUTTER

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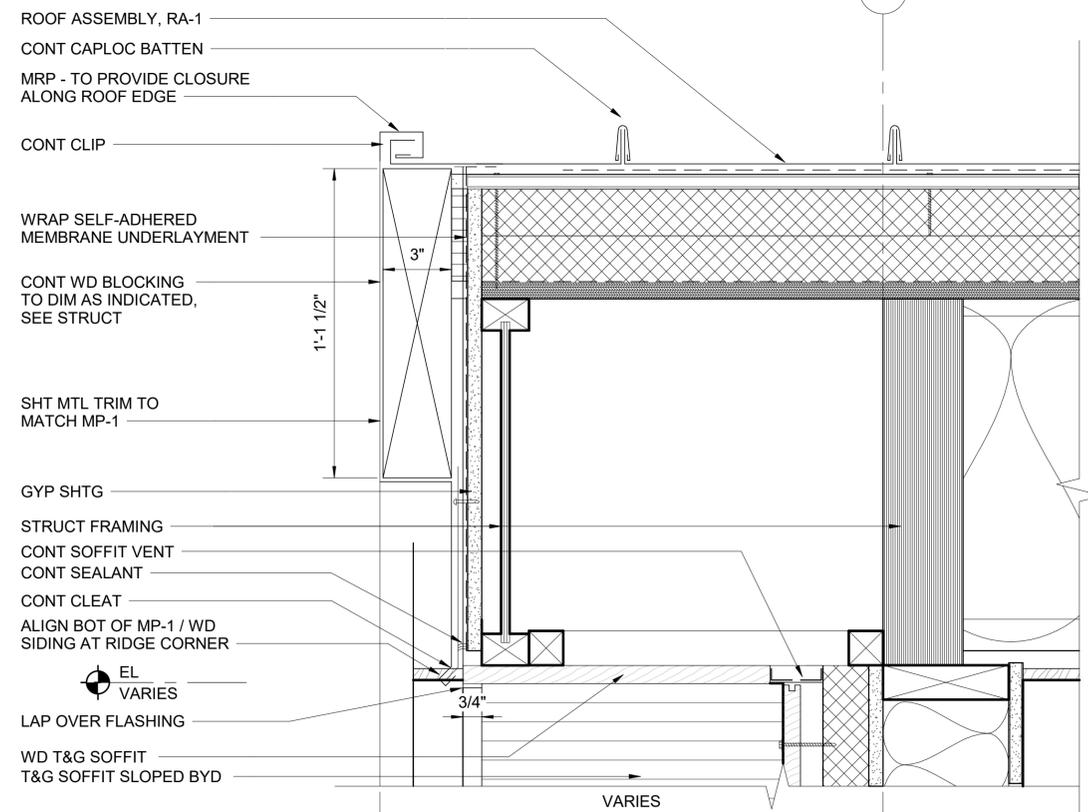
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A2.02



ROOF RIDGE - UPPER

SCALE: 3" = 1'-0"

3
A2.02



ROOF EAVE

SCALE: 3" = 1'-0"

4
A2.02

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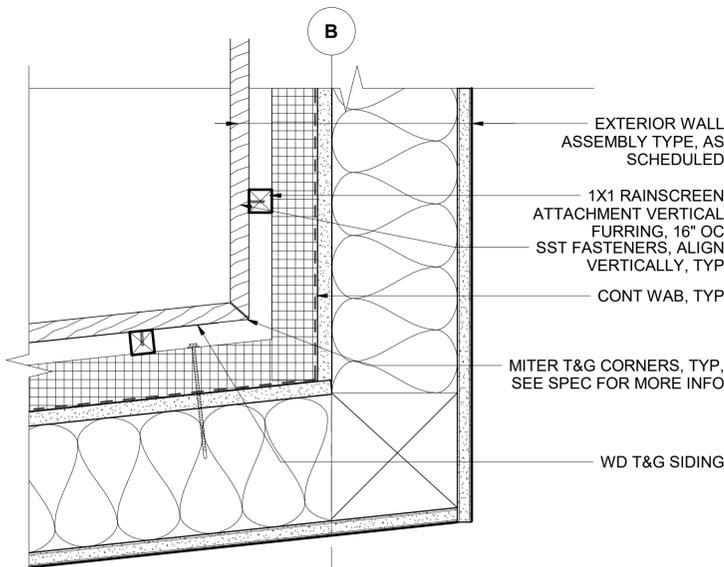
NO.	DATE	REVISION
0	12/13/2024	ISSUED FOR CONSTRUCTION

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

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

A9.00

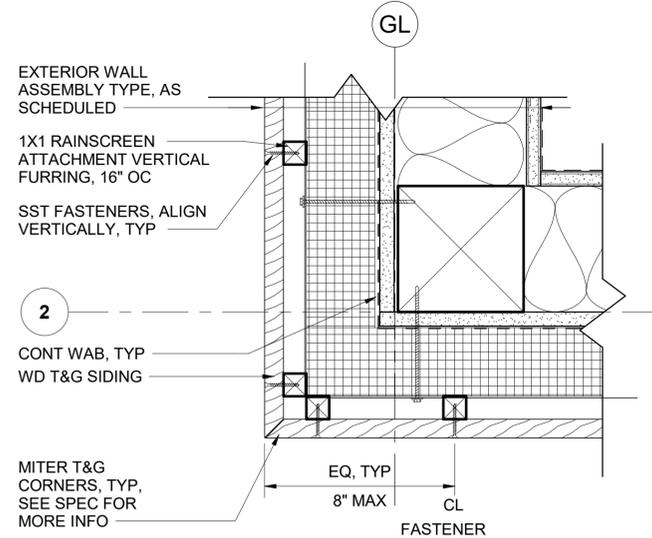
ISSUED FOR CONSTRUCTION



INSIDE CORNER DTL - WD SIDING

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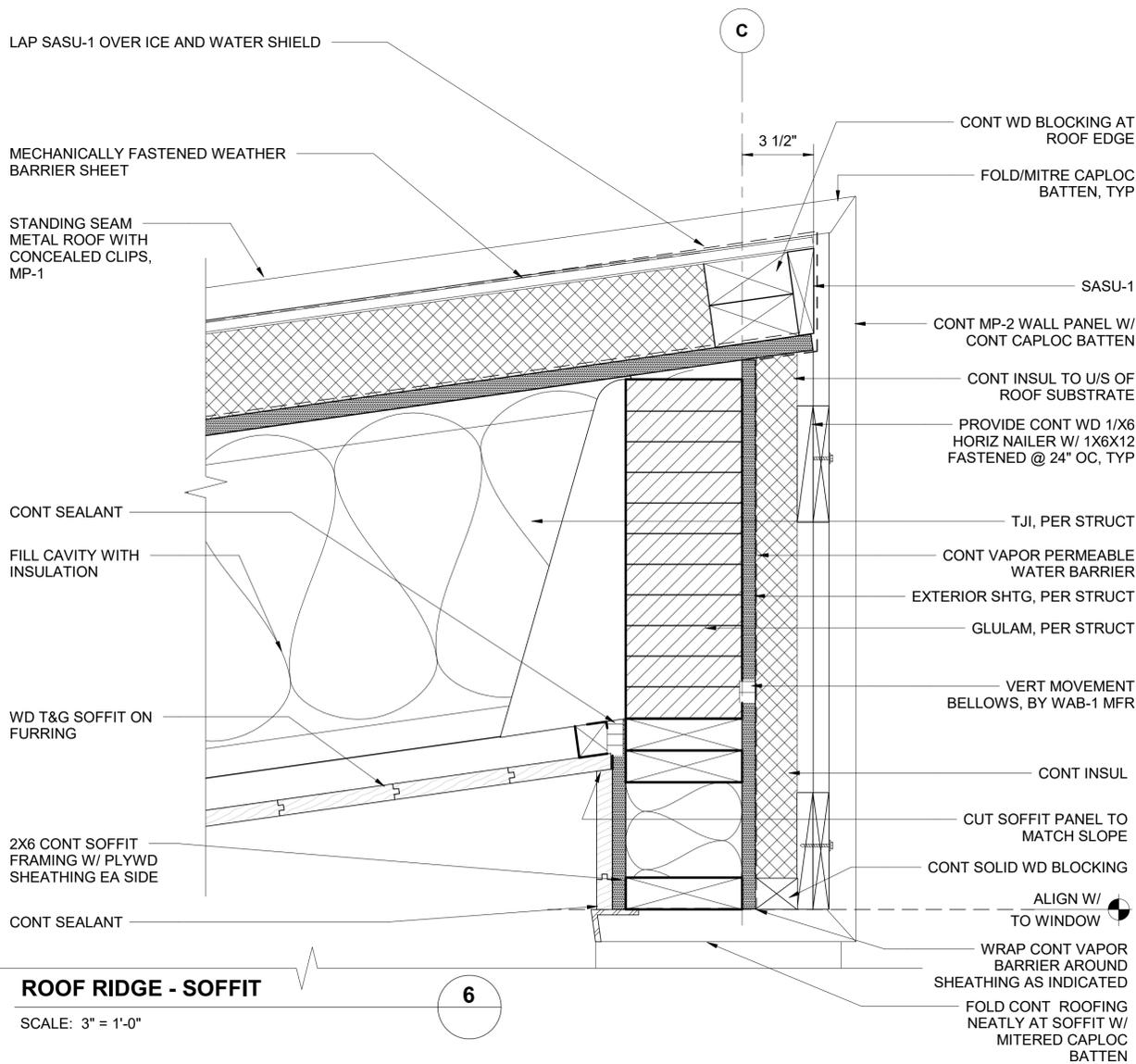
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A1.01



OUTSIDE CORNER DTL - WD SIDING

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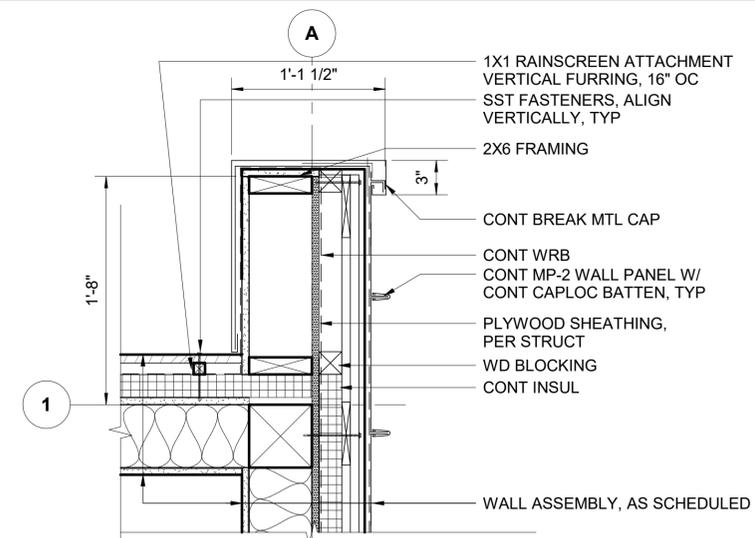
2
A1.01



ROOF RIDGE - SOFFIT

SCALE: 3" = 1'-0"

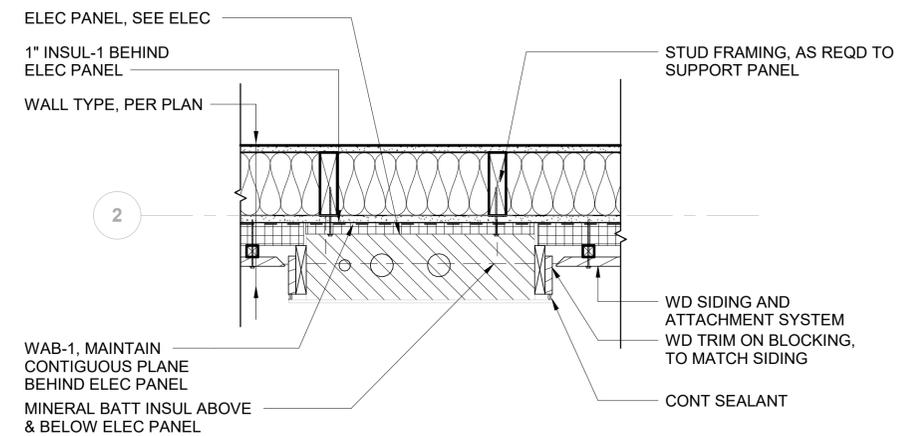
6



END WALL PLAN DETAIL

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

1
A1.01

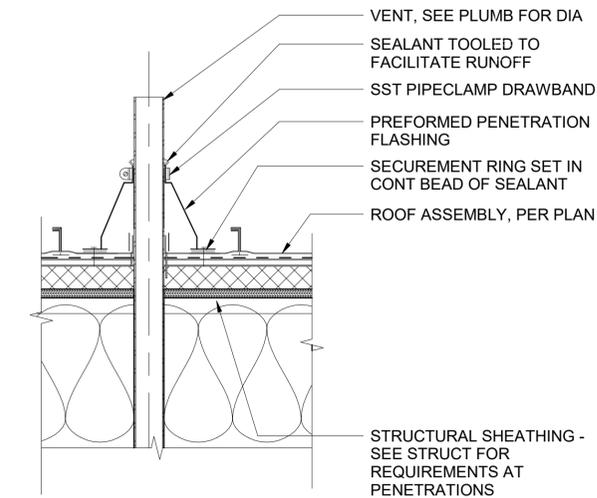


ELECTRICAL PANEL - PLAN DETAIL

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

4
A1.01

SIM @ KNOX BOX



ROOF VENT PENETRATION

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

5
A1.03

NOTE: SIM AT CONDUIT PENETRATION FOR SOLAR PANEL CONNECTION, FIELD COORDINATE W/ CONTRACTOR TO BE CONCEALED BELOW PANEL(S)



SCHARRERAD



NO.	DATE	REVISION
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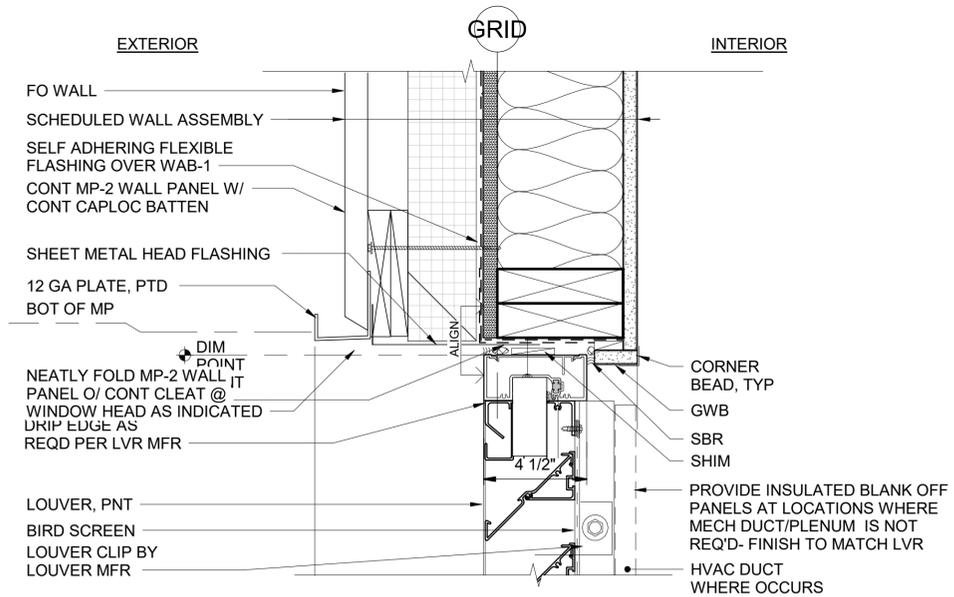
ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

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

A9.01

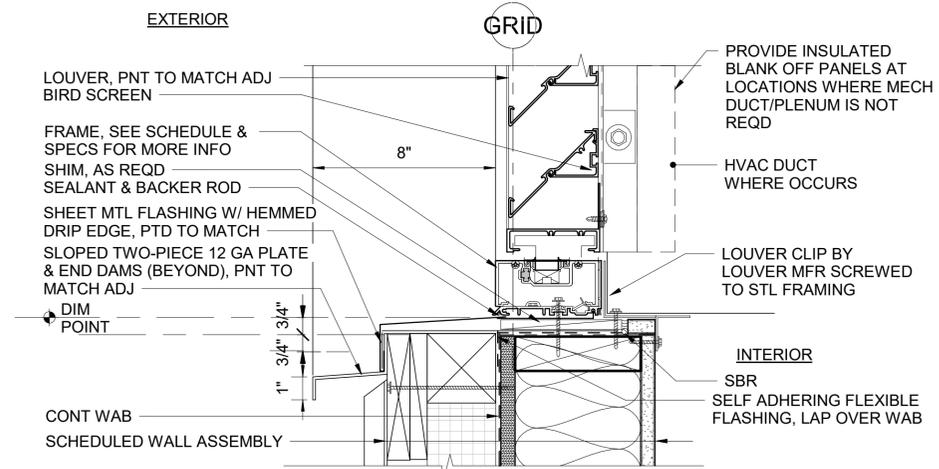
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EXTERIOR DETAILS



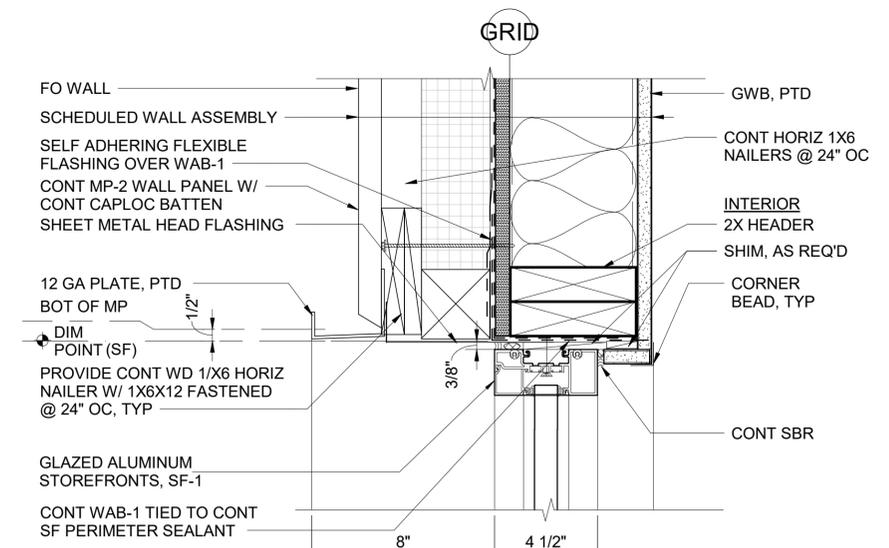
LOUVER HEAD

SCALE: 3" = 1'-0"



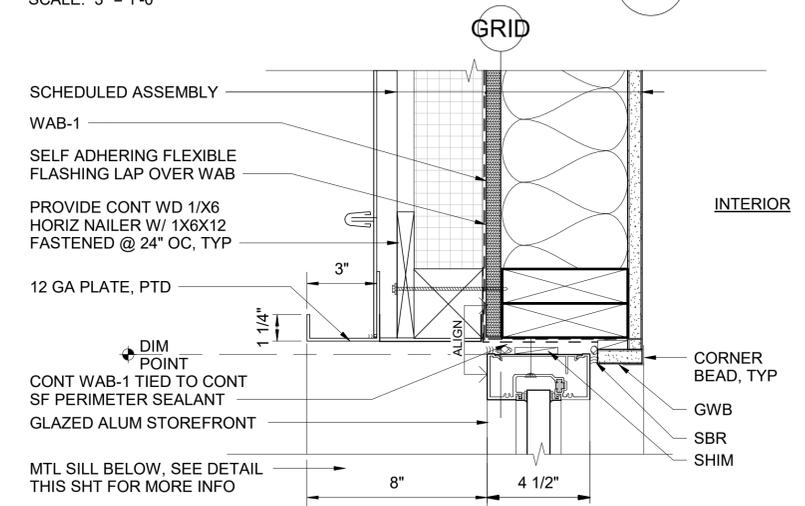
LOUVER SILL

SCALE: 3" = 1'-0"



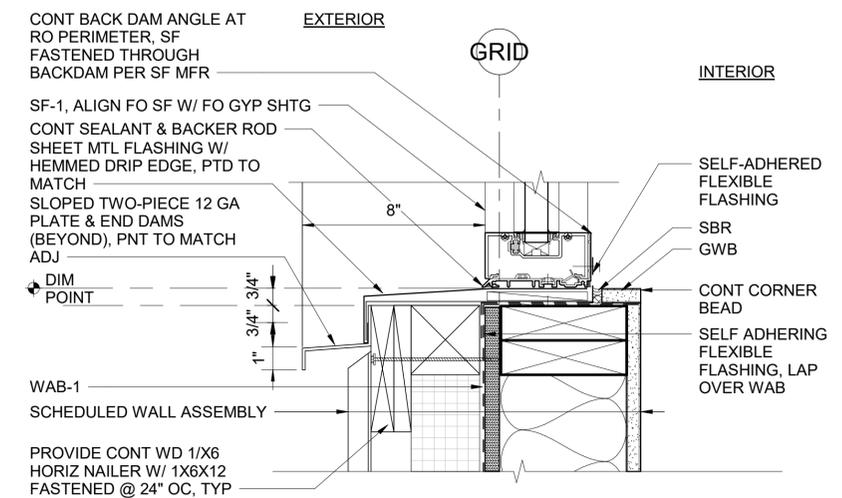
WINDOW HEAD - W2

SCALE: 3" = 1'-0"



WINDOW JAMB - W2

SCALE: 3" = 1'-0"



WINDOW SILL - W2

SCALE: 3" = 1'-0"

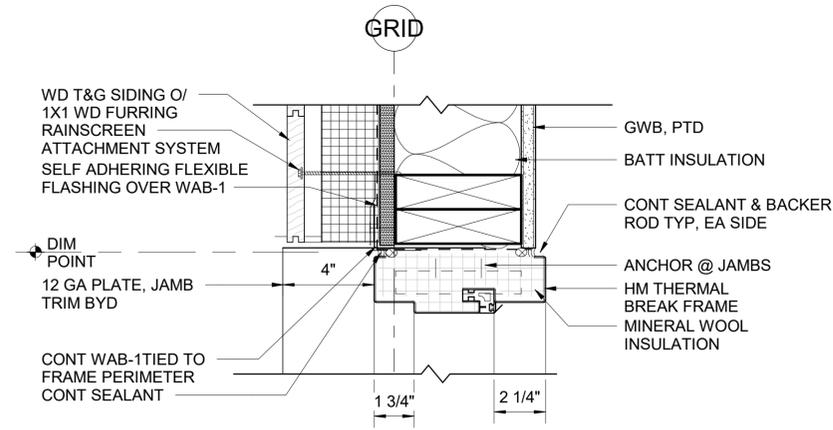
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ISLAND TRANSIT TERRY'S CORNER
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TERRY'S CORNER PARK AND RIDE
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CAMANO, WA 98282
WINDOW & LOUVER DETAILS

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

ISSUED FOR CONSTRUCTION

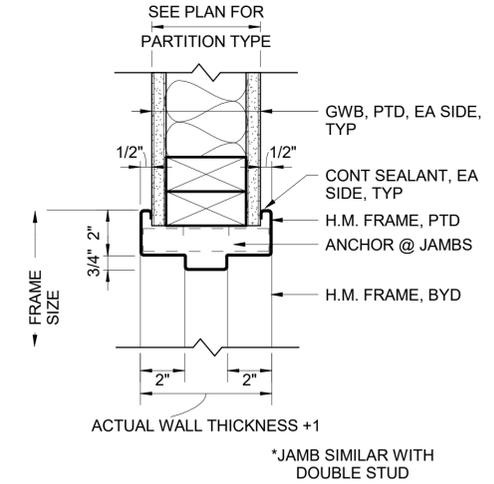
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EXTERIOR DOOR HEAD

1

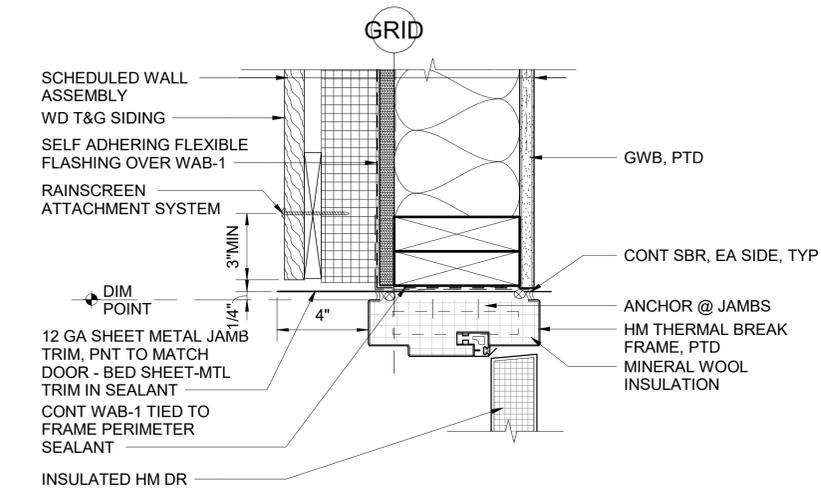
SCALE: 3" = 1'-0"



DOOR HEAD / JAMB DETAIL - HM

2

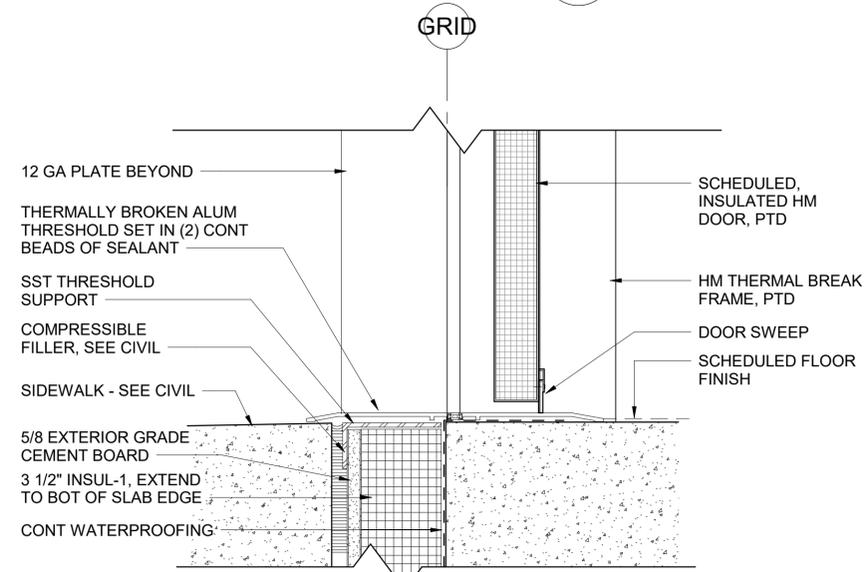
SCALE: 3" = 1'-0"



EXTERIOR DOOR JAMB

4

SCALE: 3" = 1'-0"



EXTERIOR DOOR THRESHOLD

7

SCALE: 3" = 1'-0"

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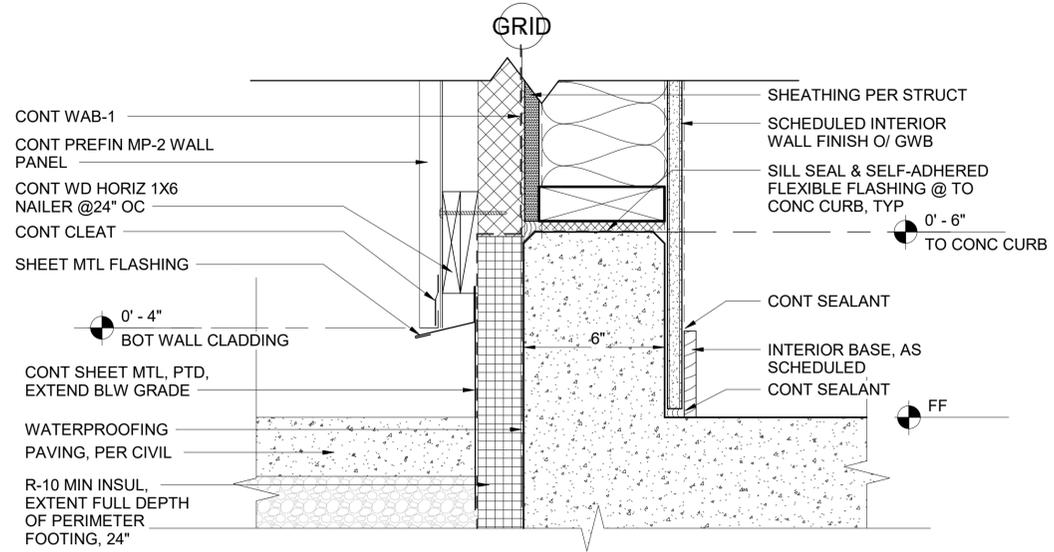
ISLAND TRANSIT TERRY'S CORNER
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DOOR DETAILS

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

A9.03

ISSUED FOR CONSTRUCTION

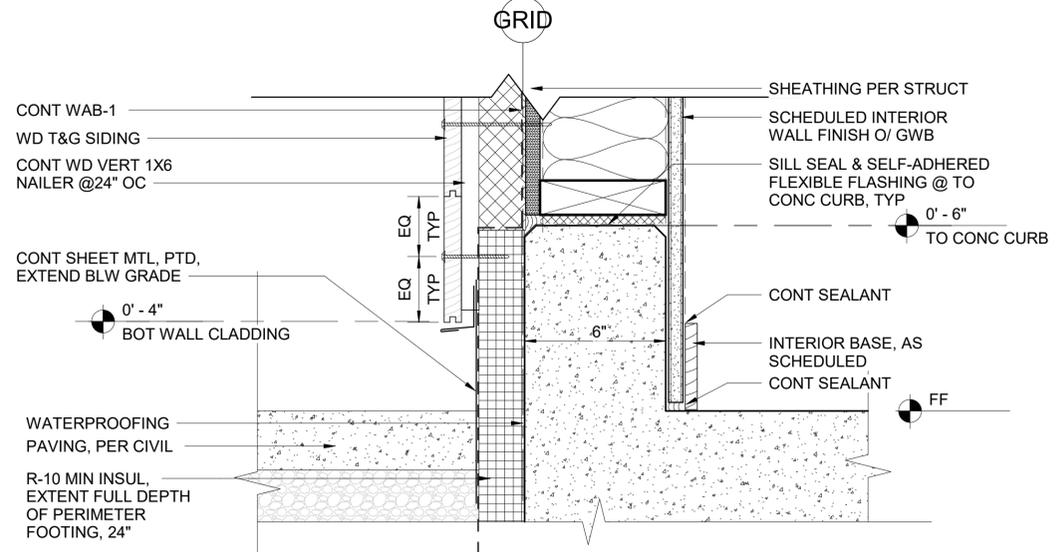


CLADDING TO FOUNDATION

1

SCALE: 3" = 1'-0"

A2.02



T&G TO FOUNDATION

2

SCALE: 3" = 1'-0"

A2.02

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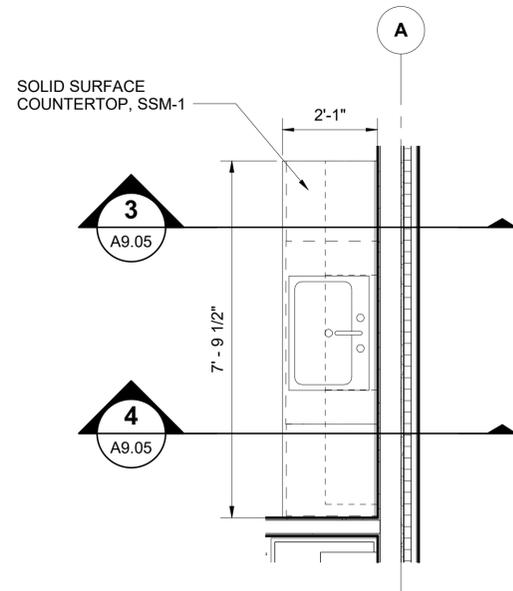
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FOUNDATION DETAILS

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

A9.04

ISSUED FOR CONSTRUCTION

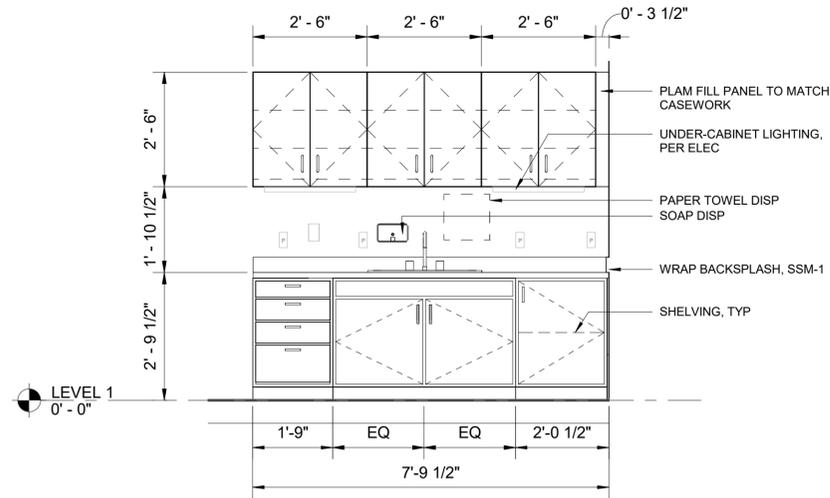
PRINTED: 1/10/2025 9:32:49 AM FILE: BIM_360/Island Transit Comfort Station/Island TransitArch_v2020.rvt



ENLARGED PLAN - KITCHENETTE

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

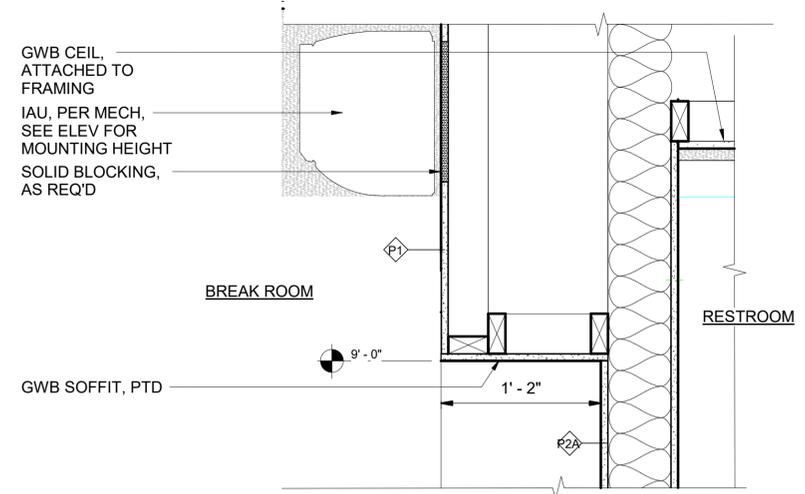
1



CASEWORK ELEVATION

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

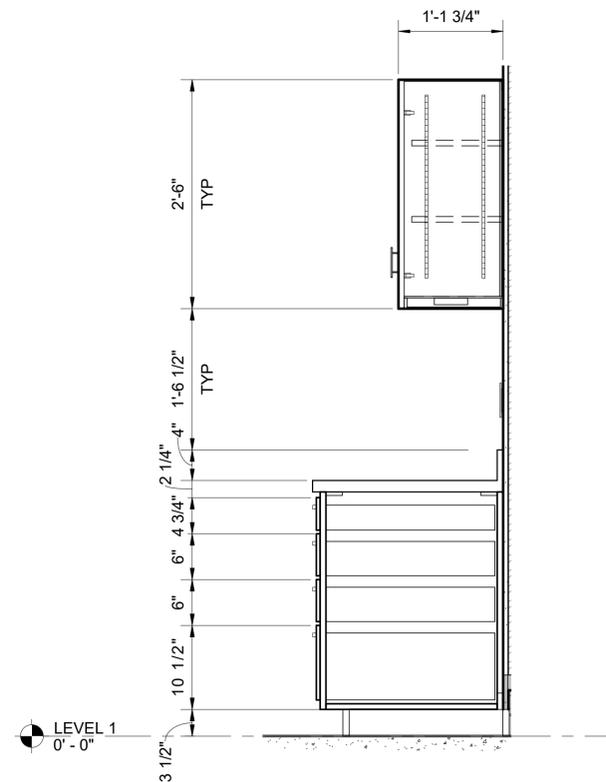
2



INTERIOR GWB SOFFIT

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

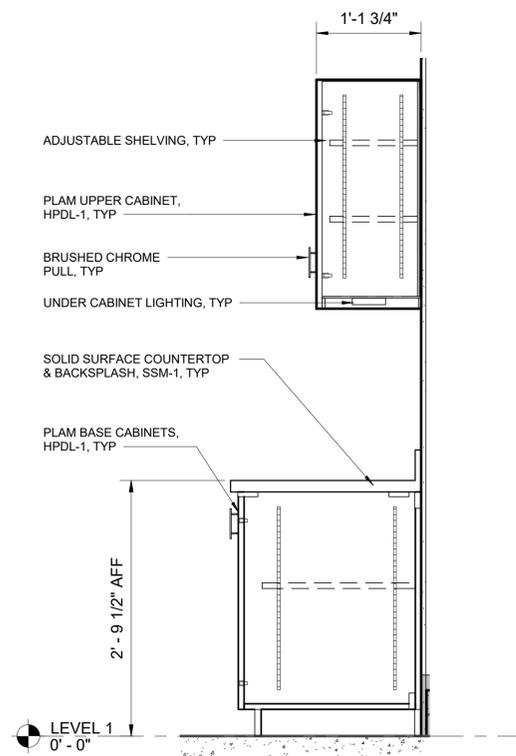
6



CASEWORK SECTION

SCALE: 1" = 1'-0"

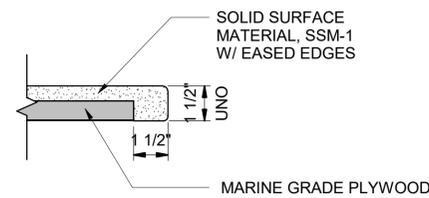
3 A9.05



CASEWORK SECTION

SCALE: 1" = 1'-0"

4 A9.05



SOLID SURFACE EDGE

SCALE: 3" = 1'-0"

5

NO.	DATE	REVISION
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ISLAND TRANSIT TERRY'S CORNER
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532 718 WASHINGTON
CAMANO, WA 98282
CASEWORK & INTERIOR DETAILS

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

A9.05

ISSUED FOR CONSTRUCTION

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		
FBS	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

	STEPPED FOOTING
	CONCRETE WALL ABOVE OR PASSING THROUGH LEVEL
	PARTIAL HEIGHT CONCRETE WALL
	CONCRETE IN CROSS SECTION
	EXISTING CONCRETE IN CROSS SECTION

WOOD SYMBOLS

	HINGE CONNECTION
	GLULAM SECTION
	ENGINEERED LUMBER SECTION (PSL, LSL, LVL)
	SOLID WOOD SECTION
	SOLID WOOD BLOCKING SECTION
	BUNDLED STUDS, WOOD POST
	PLYWOOD SECTION
	BEAM / GIRDER / JOIST
	WALL ABOVE THIS LEVEL WITH HEADER BELOW
	WALL BELOW THIS LEVEL WITH HEADER BELOW
	WALL ABOVE THIS LEVEL
	WALL BELOW THIS LEVEL

GENERAL SYMBOLS

	GRID BUBBLE
	SURFACE - SLOPE UP
	SURFACE - STEPPED
	SURFACE - SLOPE DOWN
	SURFACE - SLOPE TWO WAYS
	UNDISTURBED SOIL, COMPACTED SOIL, BACKFILL, OR ANY PREPARED SUBGRADE. SEE SPECIFICATIONS FOR TYPE OF MATERIAL AND PREPARATION METHOD.
	NORTH ARROW
	STANDARD SECTION CUTS
	BUILDING SECTION CUTS
	ELEVATION OF WALL OR FRAME
	SPOT ELEVATION: TOP OF PLYWOOD TOP OF CONCRETE TOP OF STEEL
	TOP OF CONCRETE ELEVATION
	TOP OF STEEL ELEVATION
	REFERENCE ELEVATION. REFER TO PLAN UNLESS NOTED OTHERWISE.
	ELEVATION OF LEVEL
	WORKPOINT
	DIRECTION OF DOWNWARD SLOPE
	DIRECTION OF SPAN
	EXISTING FRAMING

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:

- 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
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532 718 WASHINGTON
CAMANO, WA 98282

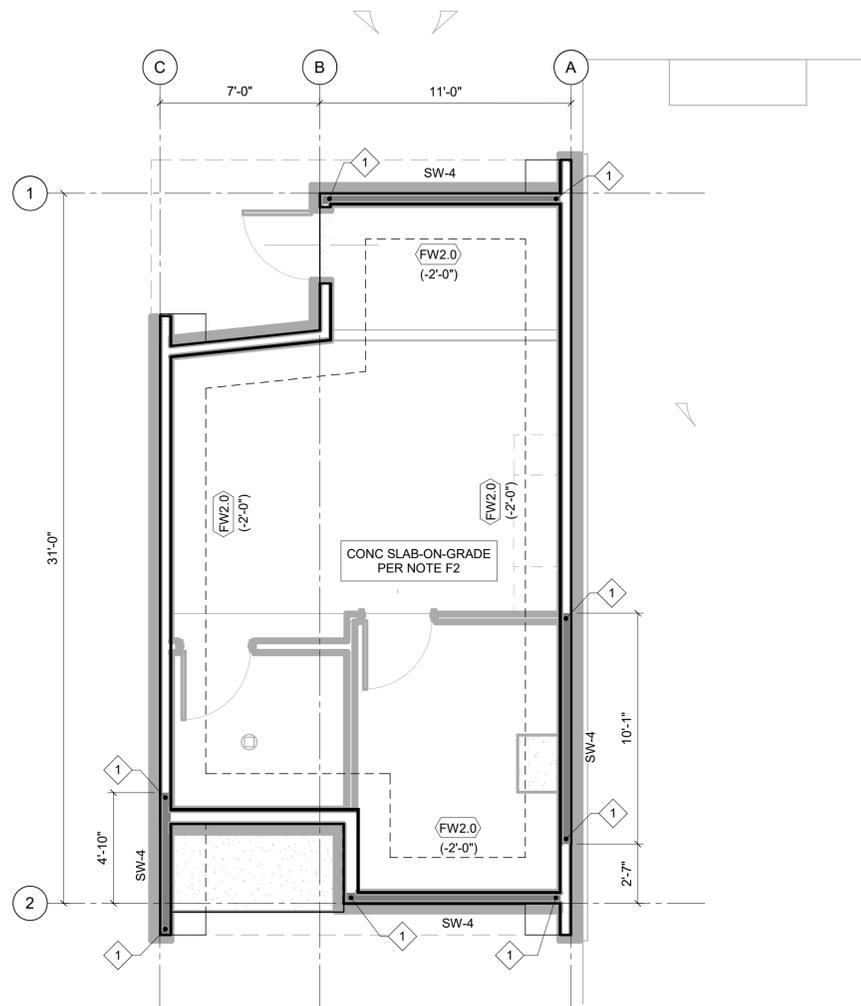
SPECIAL INSPECTIONS SCHEDULE, STRUCTURAL
ABBREVIATIONS AND SYMBOLS

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

S0.02

ISSUE FOR CONSTRUCTION

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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

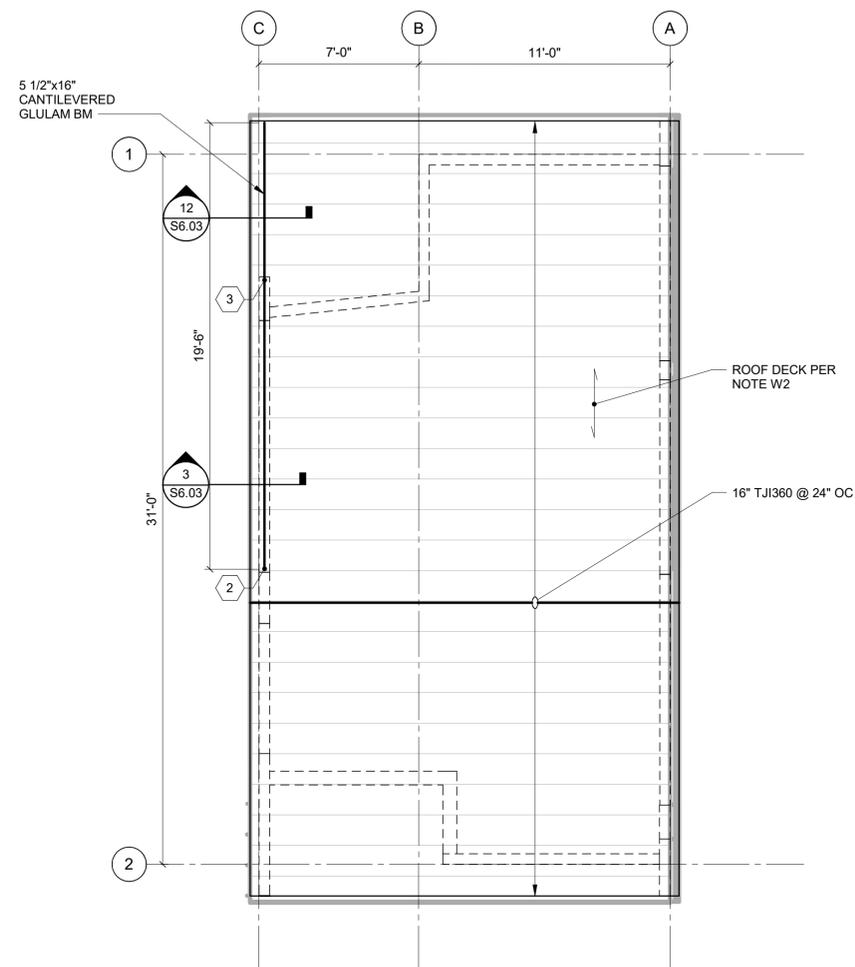
FOUNDATION PLAN NOTES:

- 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. INDICATES HOLD-DOWN AND COMPRESSION STUDS PER 11/S6.02.
- W3. SW-6 INDICATES WOOD SHEAR WALL ABOVE PER 1/S6.02.

1 FOUNDATION 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.

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



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532 718 WASHINGTON
CAMANO, WA 98282
FOUNDATION AND ROOF PLANS

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

S1.01

ISSUE FOR CONSTRUCTION

f_c = 3,000 PSI
f_y = 60,000 PSI

SIZE	Ld	Ldt	Lb	Lbt	Ldh
#4	22 (33)	28 (43)	28 (43)	37 (56)	11
#5	27 (41)	36 (53)	36 (53)	46 (69)	14
#6	33 (49)	43 (64)	43 (64)	56 (83)	16
#7	48 (72)	62 (93)	62 (93)	81 (121)	19
#8	55 (82)	71 (107)	71 (107)	93 (139)	22
#9	62 (93)	80 (120)	80 (120)	104 (157)	25
#10	70 (104)	90 (136)	90 (136)	118 (176)	28
#11	77 (116)	100 (151)	100 (151)	131 (196)	31

f_c = 4,000 PSI
f_y = 60,000 PSI

SIZE	Ld	Ldt	Lb	Lbt	Ldh
#4	19 (28)	25 (37)	25 (37)	32 (48)	9
#5	24 (36)	31 (46)	31 (46)	40 (60)	12
#6	28 (43)	37 (55)	37 (55)	48 (72)	14
#7	42 (62)	54 (81)	54 (81)	70 (105)	17
#8	47 (71)	62 (92)	62 (92)	80 (120)	19
#9	54 (80)	70 (104)	70 (104)	90 (136)	21
#10	60 (90)	78 (117)	78 (117)	102 (153)	24
#11	67 (100)	87 (130)	87 (130)	113 (170)	27

NOTES:

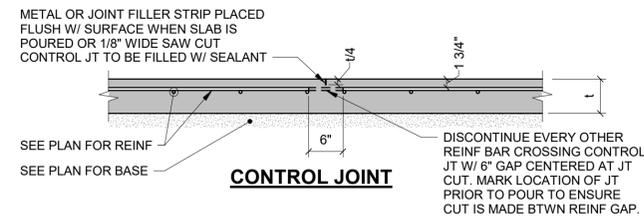
- USE THE LENGTHS IN THESE SCHEDULES, UNLESS NOTED OTHERWISE.
- USE LENGTH IN () WHEN BAR COVER IS db OR LESS OR BAR CLEAR SPACING IS 2db OR LESS.
- A TOP BAR IS A HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW IT.
- FOR GRADE 80 BARS, MULTIPLY ABOVE VALUES BY 1.33.

ABBREVIATIONS

- db = BAR DIAMETER
Ld = TENSION DEVELOPMENT LENGTH
Ldt = TENSION DEVELOPMENT LENGTH FOR A TOP BAR
Lb = CLASS B LAP SPLICE LENGTH, 1.3 Ld
Lbt = CLASS B LAP SPLICE LENGTH FOR A TOP BAR, 1.3 Ldt
Ldh = TENSION DEVELOPMENT LENGTH FOR A STANDARD HOOK

1 DEVELOPMENT AND SPLICE LENGTH SCHEDULE

NO SCALE

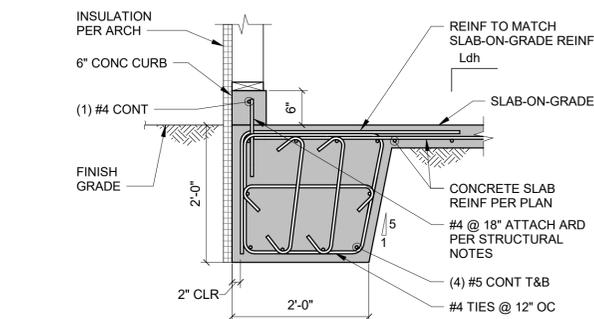


NOTES:

- REFER TO PLAN FOR SLAB THICKNESS AND REINFORCING.
- CONTROL JOINTS TO BE SPACED @ 36" OC MAX, EACH WAY, UNLESS NOTED OTHERWISE. RATIO OF DISTANCE BETWEEN CONTROL JOINTS IN EACH DIRECTION FOR A SLAB PANEL SHALL NOT EXCEED 1.5. CONSTRUCTION JOINTS PER THIS DETAIL SHALL BE CONSIDERED AS CONTROL JOINTS FOR CONTROL JOINT SPACING REQUIREMENTS.
- WHERE CONTROL JOINTS ARE SAW CUT, TIMING OF JOINT CUTTING SHALL BE PER THE PROJECT SPECIFICATIONS.

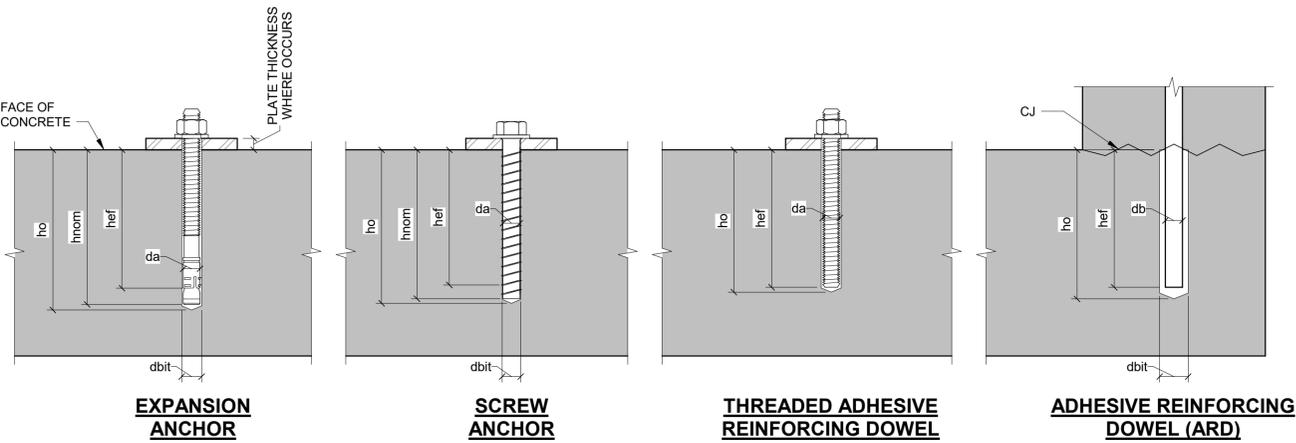
2 TYP SOG CONTROL & CONSTRUCTION JOINTS

NO SCALE



5 TYP WALL FOOTING DETAIL

NO SCALE



NOTES:

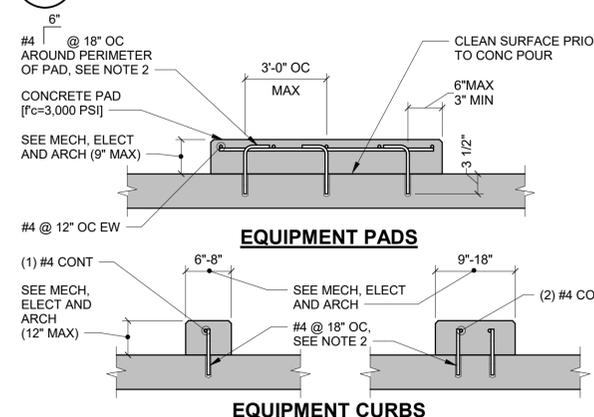
- REFER TO STRUCTURAL NOTES FOR APPROVED ANCHOR(S) AND EVALUATION REPORT(S).

ABBREVIATIONS

- hef = EFFECTIVE EMBEDMENT PER DRAWINGS
hnom = NOMINAL EMBEDMENT REQUIRED TO ACHIEVE EFFECTIVE EMBEDMENT PER EVALUATION REPORT. FOR EXPANSION ANCHORS, THIS APPLIES TO THE CONDITION PRIOR TO APPLICATION OF TORQUE.
ho = MINIMUM HOLE DEPTH PER EVALUATION REPORT
da, db = DIAMETER OF ANCHOR/BAR PER DRAWINGS
dbit = DIAMETER OF DRILL BIT PER EVALUATION REPORT

6 TYPICAL POST-INSTALLED ANCHORS

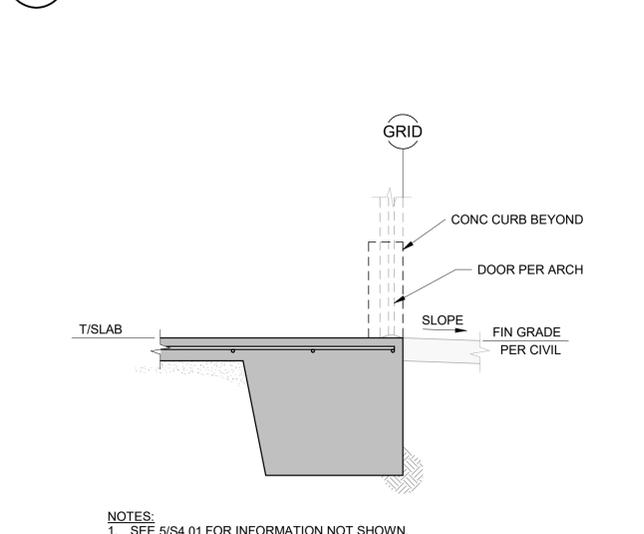
NO SCALE



- NOTES:**
- EQUIPMENT PAD SIZE TO BE 6" LARGER THAN EQUIPMENT IN EACH DIRECTION, UNLESS NOTED OTHERWISE. COORDINATE EXACT SIZE AND LOCATION OF CURB AND PADS WITH EQUIPMENT PROVIDED.
 - ATTACH REINFORCING TO SLAB WITH ADHESIVE ANCHORING SYSTEM PER STRUCTURAL NOTES.
 - DETAIL IS NOT INTENDED FOR SUPPORT OF ROOFTOP EQUIPMENT.

9 TYP CURBS & PADS ON CONCRETE SLABS

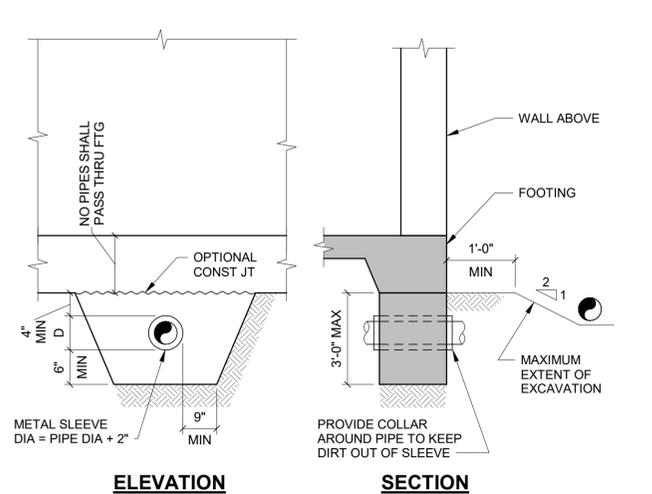
NO SCALE



- NOTES:**
- SEE 5/S4.01 FOR INFORMATION NOT SHOWN.

10 TYP DOOR THRESHOLD

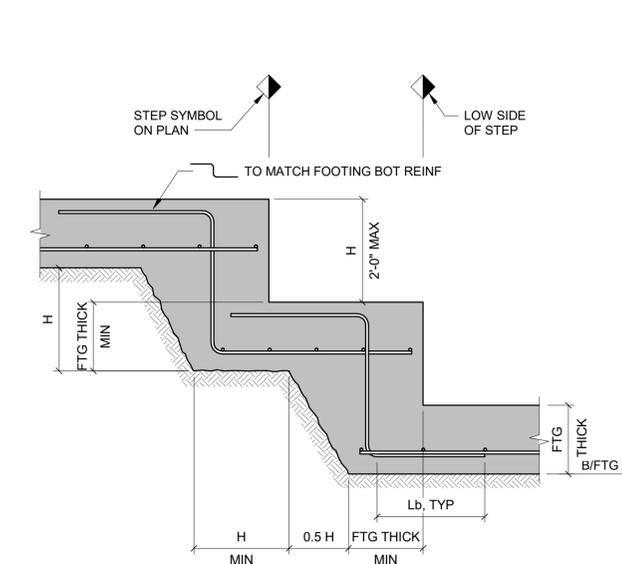
NO SCALE



- NOTES:**
- STEP FOOTING PER TYPICAL STEPPED FOOTING DETAIL AS REQUIRED TO SATISFY THESE CONDITIONS.
 - GENERAL CONTRACTOR TO COORDINATE EXACT DEPTH AND LOCATION OF PIPE.
 - "D" SHALL NOT EXCEED 8".

11 TYP DETAIL OF PIPE AT FOOTINGS

NO SCALE



12 TYP STEPPED FOOTING DETAIL

NO SCALE

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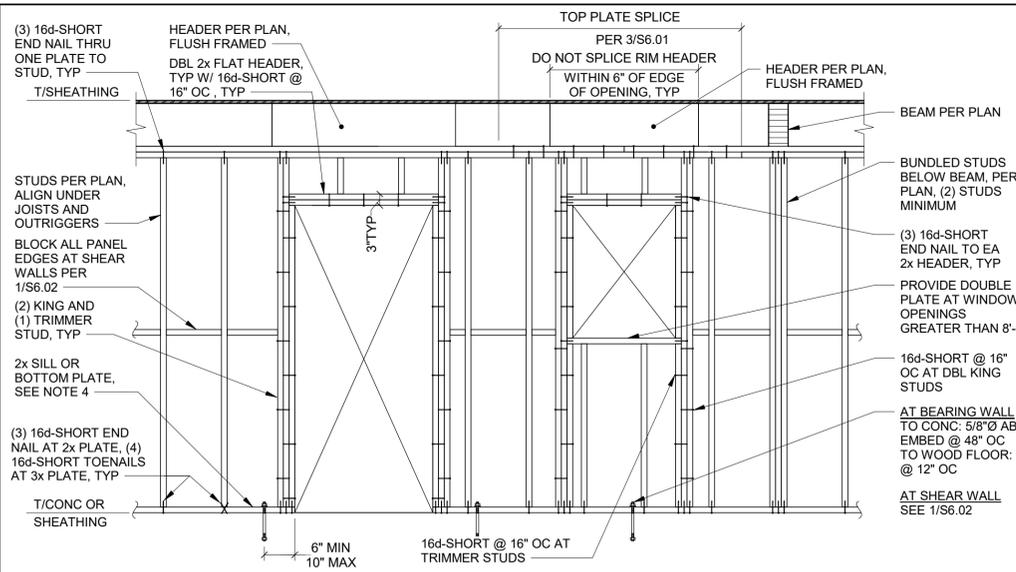
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TERRY'S CORNER PARK AND RIDE
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TYPICAL CONCRETE DETAILS

PROJECT NO.:	2200478
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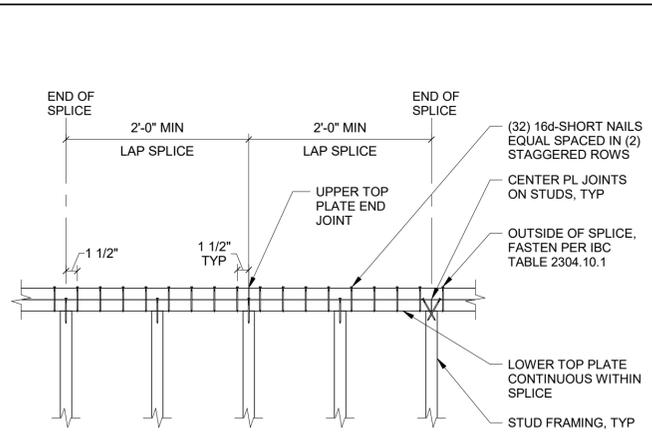
S4.01

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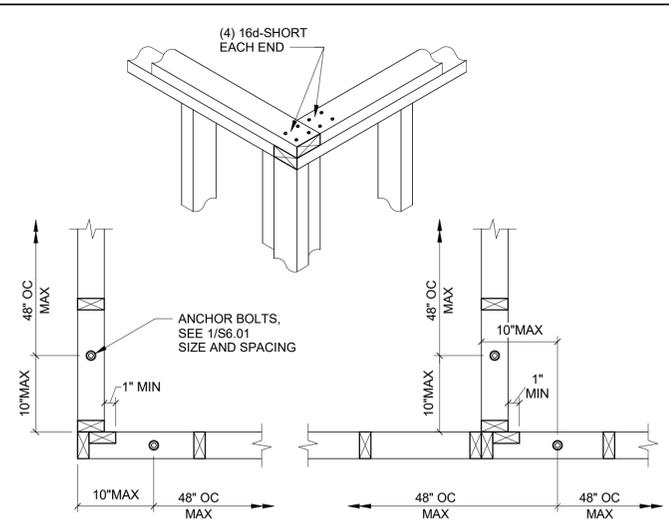
NOTES (APPLIES TO ALL ELEVATIONS):

- FRAMING NAILING NOT SHOWN SHALL BE AS INDICATED IN IBC TABLE 2304.10.1.
- SILL PLATES TO BE PRESSURE-TREATED WHERE IN CONTACT WITH CONCRETE.
- SEE 12/S6.02 FOR SILL BOLT CONSTRUCTION.



NOTES:

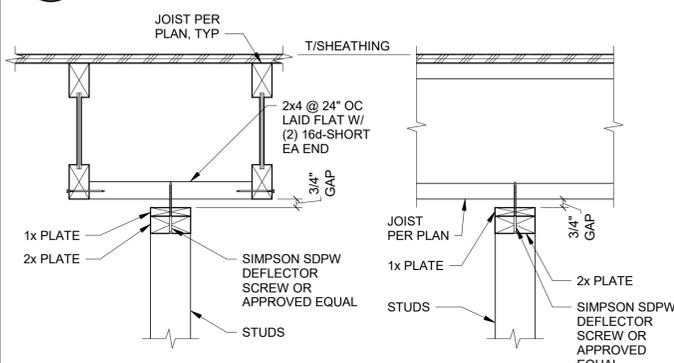
- PROVIDE ONE-HALF OF FASTENERS WITHIN THE SPLICE ON EACH SIDE OF THE TOP PLATE END JOINT.
- PROVIDE CONTINUOUS TOP PLATES WITHOUT JOINTS WHERE WALLS ARE 12'-0\"/>



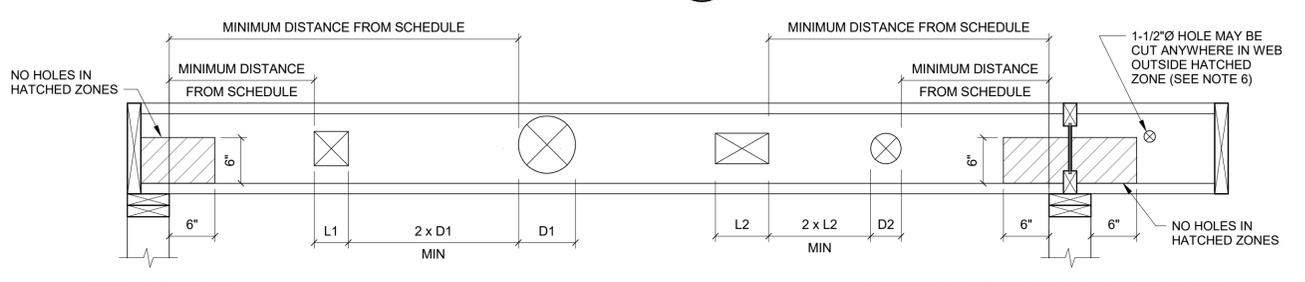
1 TYP STUD WALL FRAMING ELEVATION
NO SCALE

3 TYP TOP PLATE SPLICE
NO SCALE

4 TYP STUD WALL CORNER
NO SCALE



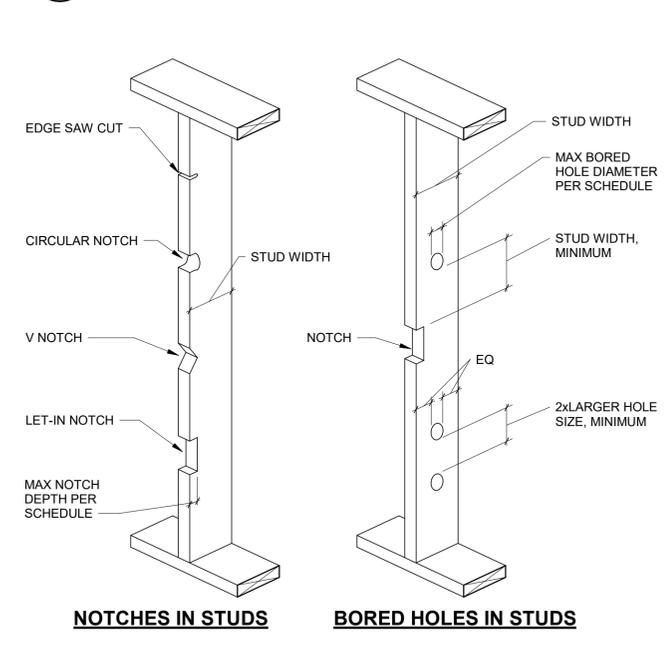
5 TYP INTERIOR NON-BEARING WALL TOP PLATE ANCHORAGE
NO SCALE



MINIMUM DISTANCE FROM INSIDE FACE OF SUPPORT TO NEAREST EDGE OF HOLE

JOIST TYPE	HOLE TYPE	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"

6 TYP HOLE CHART FOR I-JOISTS
NO SCALE



EXTERIOR/BEARING/SHEAR WALL STUD PENETRATION

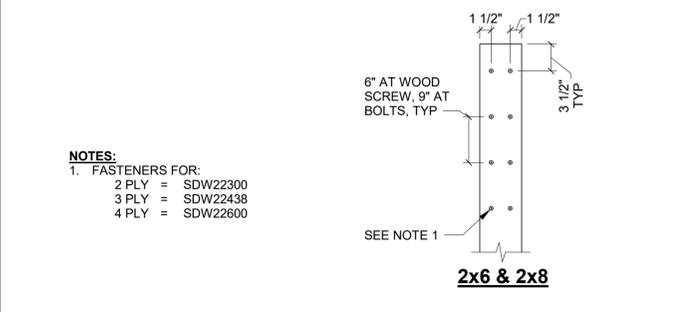
STUD SIZE	MAX NOTCH DEPTH	MAX BORED HOLE DIAMETER
2x4 & 3x4	7/8"	1-3/8"Ø
2x6 & 3x6	1-3/8"	2-1/8"Ø
2x8 & 3x8	1-3/4"	2-7/8"Ø

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:

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



9 BUILT-UP COLUMN FASTENERS
NO SCALE

ALTERNATE NAILING SCHEDULE

FASTENER TYPE	SHANK DIAMETER	LENGTH	SPACING							
			16"	12"	8"	6"	4"	3"	2"	
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:

- 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

12 TYP WALL STUD PENETRATIONS
NO SCALE

Island Transit

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Seattle, WA 98101
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Professional Engineer
1/10/23

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TYPICAL WOOD DETAILS

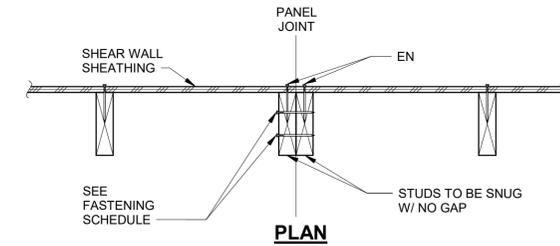
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WOOD SHEAR WALL SCHEDULE										
ALL VALUES ARE BASED ON 2018 IBC AND SDPWS-15 FOR STRUCTURAL PANEL SHEAR WALL WITH FRAMING OF DOUGLAS FIR-LARCH										
TYPE MARK	NUMBER OF SIDES OF SHEATHING	STUD OR BLOCKING SIZE AT ADJOINING PANEL EDGES, SEE 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

- NOTES:**
- SHEATHING NAIL SIZE SHALL BE 0.148"Ø WITH 1-1/2" MINIMUM PENETRATION INTO FRAMING.
 - REFERENCE STRUCTURAL NOTES FOR SHEATHING TYPE AND THICKNESS.
 - INSTALL SHEATHING PANELS EITHER HORIZONTALLY OR VERTICALLY.
 - PLATE WASHERS FOR SILL BOLTS SHALL BE PER 12/S6.02.
 - WHERE NAIL SPACING IS LESS THAN 4" OC, STAGGER EDGE NAILING 1/2".
 - REFER TO 7/S6.02 FOR SHEAR WALL NAILING DETAIL.
 - PRESSURE TREATED SILL PLATE SHALL BE 3x FRAMING.
 - USE NEAR EDGE SPACING WHEN ANCHOR BOLTS ARE WITHIN 12" OF A SLAB EDGE OR SHAFT OPENING, OR ARE PLACED IN A STEM WALL.
 - WALL BOUNDARIES INCLUDE TOP PLATE, BOTTOM PLATE, SILL PLATE, AND COMPRESSION STUDS, UNO.
 - FASTENER SPACING AT INTERMEDIATE MEMBERS SHALL BE 6" OC WHERE STUD SPACING IS 24" OC.
 - AT CONTRACTOR'S OPTION, (2) 2x STUDS MAY BE USED IN LIEU OF 3x STUD FRAMING. SEE 4/S6.02 FOR DOUBLE STUD FASTENING.
 - 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

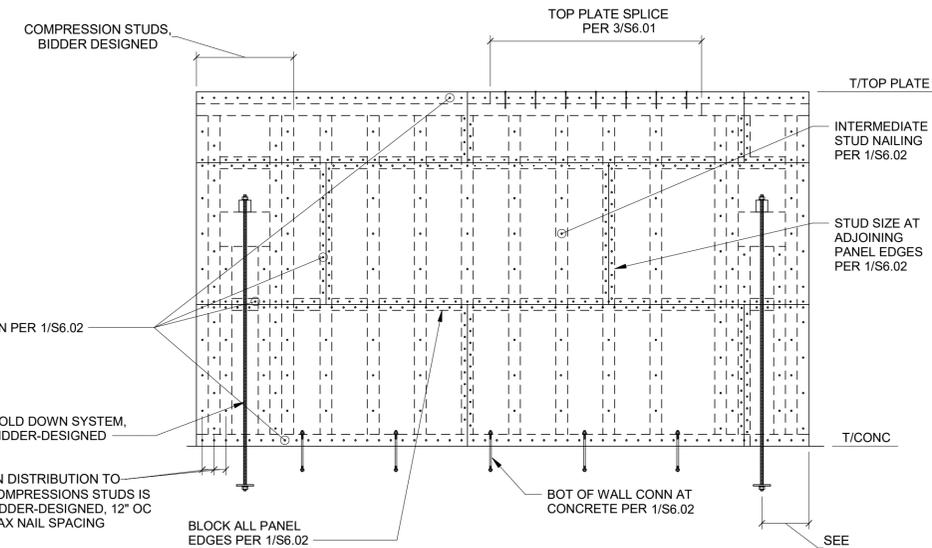
- NOTES:**
- THIS DETAIL APPLIES WHERE DOUBLE 2x STUDS ARE USED AT SHEAR WALL PANEL JOINTS IN LIEU OF 3x FRAMING PER NOTE 11 ON 1/S6.02.



SHEAR WALL LEGEND

4 STUD FASTENING AT SHEAR WALL PANEL JNTS

NO SCALE

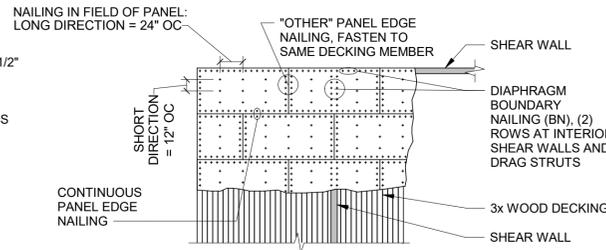


7 TYP SHEAR WALL NAILING

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 DECKING 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

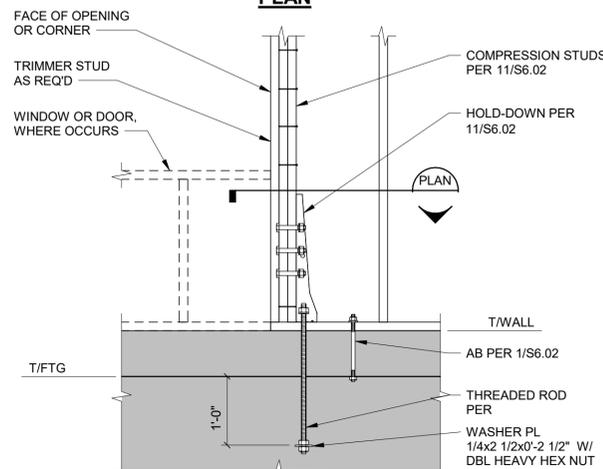
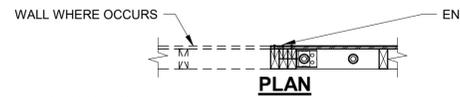
- NOTES:**
- SHEATHING NAIL SIZE SHALL BE 0.148"Ø WITH 1-1/2" MINIMUM PENETRATION INTO 3x DECKING.
 - ORIENT SHEATHING PERPENDICULAR TO FLOOR/ROOF FRAMING. STAGGER SHEATHING.
 - PANEL EDGES SHALL NOT COINCIDE WITH JOINTS IN DECKING.
 - DIAPHRAGM BOUNDARIES INCLUDE DIAPHRAGM PERIMETER, SHEAR WALLS, AND DRAG STRUTS INDICATED ON PLAN.



PLAN

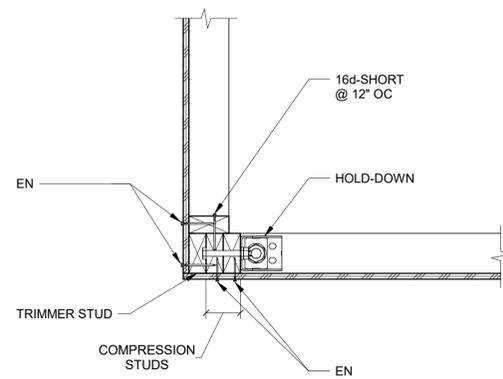
5 ROOF DIAPHRAGM NAILING SCHEDULE

NO SCALE



9 TYP HOLD-DOWN AT FOUNDATION

NO SCALE



CORNER

10 TYP COMPRESSION STUD INTERSECTION

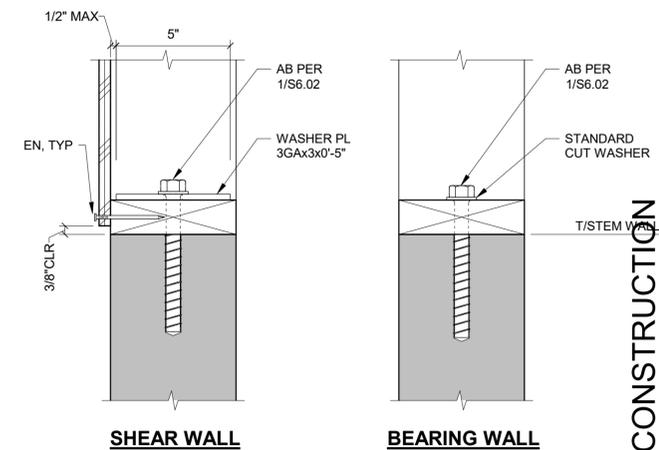
NO SCALE

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

11 HOLD-DOWN AND COMPRESSION STUD SCHEDULE

NO SCALE



SHEAR WALL

BEARING WALL

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

12 TYP ANCHOR BOLTS AT STEM WALL

NO SCALE

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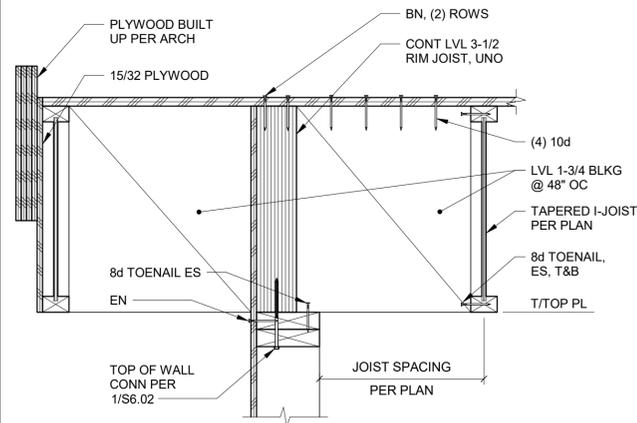
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TYPICAL WOOD DETAILS

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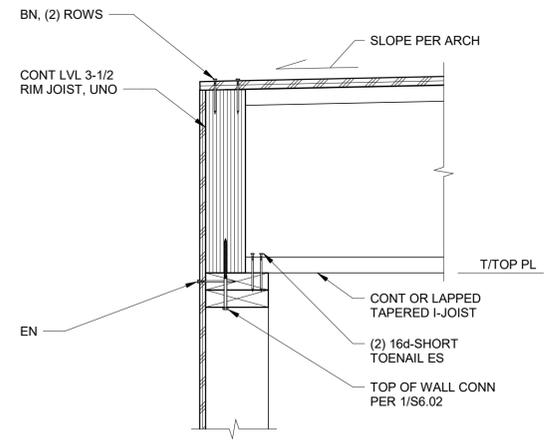
S6.02

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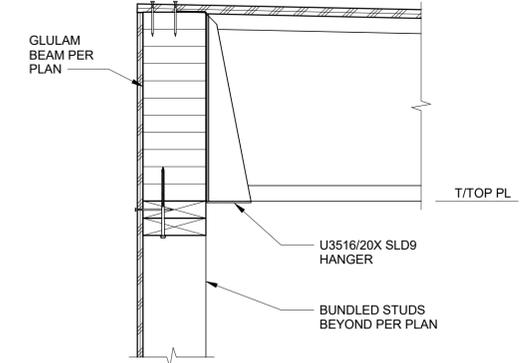


NOTES:
1. SLOPE PER ARCHITECTURAL DRAWINGS.

1 TYP EXTERIOR SHEAR WALL
- FRAMING PARALLEL
NO SCALE

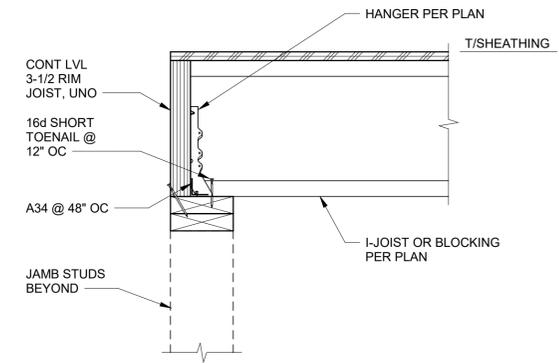


2 TYP EXTERIOR SHEAR WALL
- FRAMING PERPENDICULAR
NO SCALE

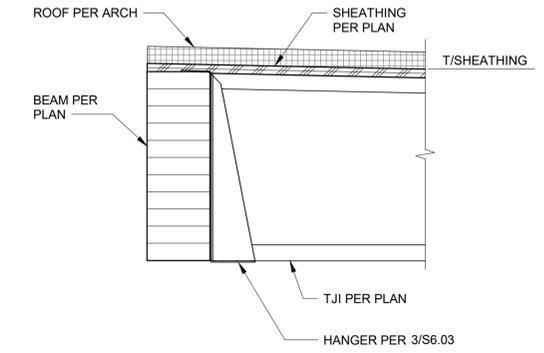


NOTES:
1. SEE 2/S6.03 FOR INFORMATION NOT SHOWN.

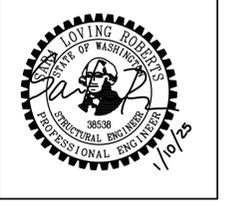
3 JOIST CONN TO GLULAM BEAM
NO SCALE



5 TYP RIM JOIST HEADER
NO SCALE



12 SECTION
NO SCALE



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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. ↓ INDICATES ISOLATED GROUND.		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 UNDER GROUND OR FLOOR		FUSED DISCONNECT SWITCH
	EXISTING CONDUIT		COMBINATION FUSED DISCONNECT/MAGNETIC STARTER
	CONDUIT UP		MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
	CONDUIT DOWN		ELECTRICAL CONTACTOR, TYPE AS INDICATED
	CONDUIT STUB OUT WITH PLASTIC BUSHING		SINGLE PUSH BUTTON
	BRANCH CIRCUIT HOME RUN		PUSH BUTTON SWITCH TO MATCH EQUIPMENT STARTER AND CONTROLLER
	GROUNDING ELECTRODE PER CODES		RED EMERGENCY SHUT-OFF PUSH BUTTON
	FLEXIBLE CONDUIT		LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
	CODE SIZED JUNCTION BOX WITH COVER PLATE		LIGHT FIXTURE, SHADING INDICATES WITH EMERGENCY BATTERY PACK
	ELECTRICAL DEVICE AS INDICATED, A=ABOVE COUNTER, CO=CONTROLLED		LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
	DUPLEX RECEPTACLE		WALL MOUNTED LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
	DUPLEX RECEPTACLE, TAMPER RESISTANT TYPE		LIGHT FIXTURE, SEE SCHEDULE FOR TYPE
	TWO DUPLEX RECEPTACLES IN COMMON BACK BOX AND UNDER COMMON PLATE		EMERGENCY LIGHT
	DUPLEX RECEPTACLE GFCI TYPE		EXIT LIGHT
	DUPLEX RECEPTACLE SURGE PROTECTION TYPE		TYPICAL LIGHTING FIXTURE DESIGNATION, SEE SCHEDULE FOR TYPE
	SPECIAL RECEPTACLE TYPE TO MATCH EQUIP SERVED, VERIFY REQUIREMENTS		SINGLE POLE SWITCH
	TELECOMMUNICATIONS OUTLET, SUBNUMBER=QUANTITY OF DROPS NO SUBNUMBER = 2 DROPS		THREE WAY SWITCH
	TELEPHONE OUTLET, P=PAYPHONE TYPE		LOW VOLTAGE SWITCH
			MOMENTARY CONTACT SWITCH
			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	OFCl	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		

GENERAL REQUIREMENTS

- PROVIDE COMPLETE WORK FOR REQUIREMENTS AS DESCRIBED ON LEGEND.
- 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.
- ALL FLUSH MOUNT EQUIPMENT, CABINETS, AND PANELBOARDS SHALL HAVE FACTORY TYPE FLUSH MOUNT TRIM KIT FOR COMPLETE INSTALLATION.
- 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.
- CONDUIT OR OTHER ELECTRICAL COMPONENTS SHALL NOT BE INSTALLED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED BY STRUCTURAL ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK RELATED TO PERMITS, PLAN REVIEW, NEW UTILITY SERVICE INCLUDING REMOVAL OF EXISTING SERVICE, AND INSPECTIONS.
- 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.
- 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.
- 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.
- 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.
- LABEL ALL EQUIPMENT, RECEPTACLES/COVER PLATES, J-BOXES, RACEWAY AND WITH SERVING PANEL NAME AND CIRCUIT NUMBER(S).
- REFER TO EQUIPMENT SCHEDULES FOR WIRING REQUIREMENTS NOT INDICATED ON POWER PLANS.
- 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).
- PROVIDE ALL WIRING TO PANELS AND POWER DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH ONE-LINE POWER DIAGRAM.
- 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.
- PROVIDE SURFACE METAL RACEWAY AS WIRING METHOD WHERE OUTLETS AND WIRING CANNOT BE CONCEALED.
- 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.
- PROVIDE PULL-WIRES IN ALL EMPTY CONDUITS.
- 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.
- WIRING SYSTEMS SHALL BE CONCEALED WHERE POSSIBLE, EXCEPT IN ELECTRICAL ROOM, MECHANICAL ROOM, AND UTILITY AREAS, OR AS OTHERWISE NOTED.

SCOPE OF WORK LEGEND

STYLE	DESCRIPTION
	EXISTING TO REMAIN
	NEW WORK
	DEMO



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ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282
ELECTRICAL LEGEND & GENERAL
REQUIREMENTS

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

E0.01

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FILE:

PRINTED:

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.

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

PROJECT NO.:	
SCALE:	AS SHOWN
DATE:	12/13/2024
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E2.01

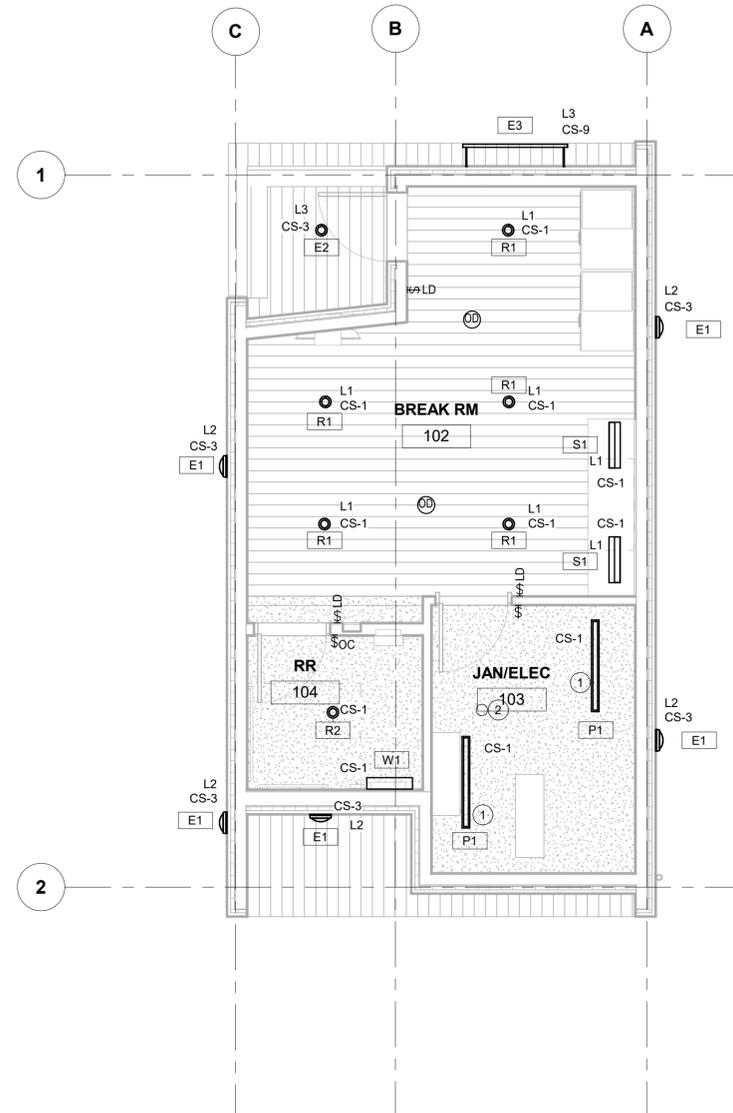
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LIGHT FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MANUFACTURER		LIGHT SOURCE			INPUT WATTS	NOTES	
		NAME	CATALOG NUMBER	TYPE	/ LUMENS	CCT (K)			
E1	10" ROUND, SURFACE MOUNT, IP65, IMPACT RESISTANT	FAILSAFE	TRE11 LD4 25W 35 CL BK 120V ED C1	LED	1410	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, (R) 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 SCHEDULE. COORDINATE WITH OWNER PRIOR TO PROGRAMMING.
L2	CS-3	EXTERIOR	-	-	-	X	FIXTURES TO TURN ON AND OFF AT OWNER SPECIFIED SCHEDULE. 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.

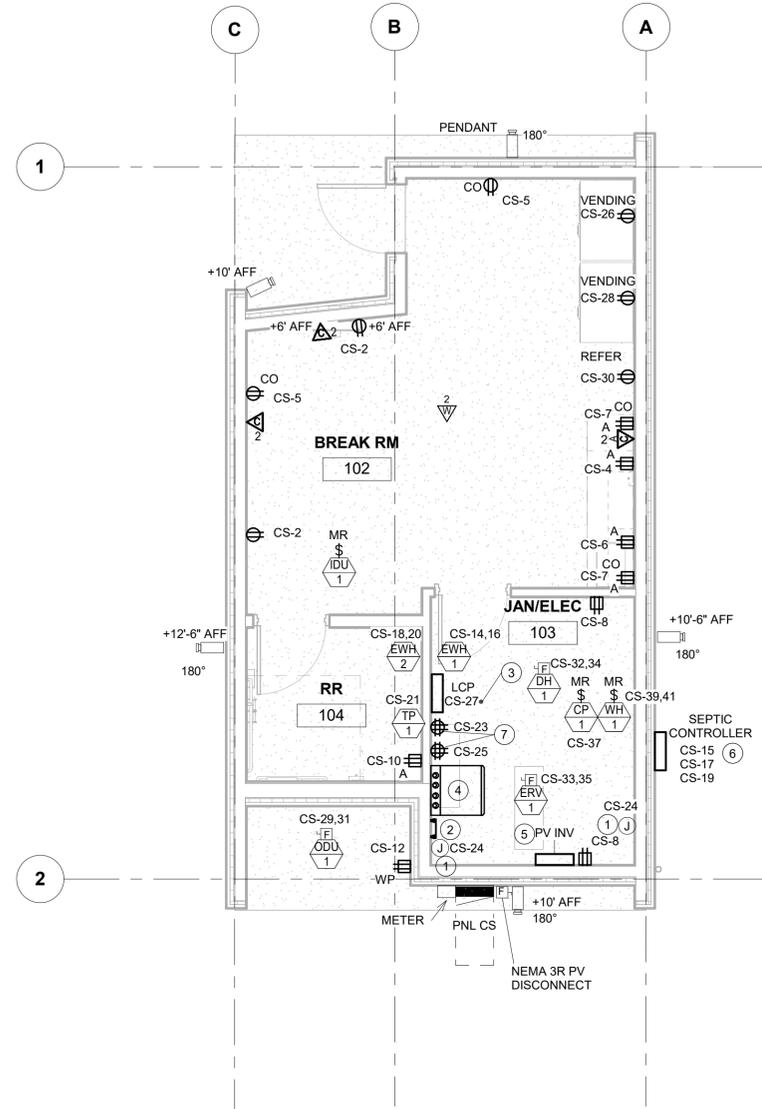


LEVEL 1 - LIGHTING

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

1

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			MR-SW		3/4"	3#12, #12G		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
ELECTRICAL 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		
CIRCULATION PUMP									
CP-1	120/1	1.02 A		MR-SW		3/4"	2#12, #12G		
WATER HEATER									
WH-1	208/1	5 KW		MR-SW		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 - 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 SNOPIUD: VALERIE SMITH - VRSMITH@SNOPIUD.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. CPI MODEL A3-22BB-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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2702 SOUTH 42ND STREET, SUITE 301
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JAMES J. CHIOG
STATE OF WASHINGTON
538113
REGISTERED PROFESSIONAL ENGINEER
01/10/25

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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

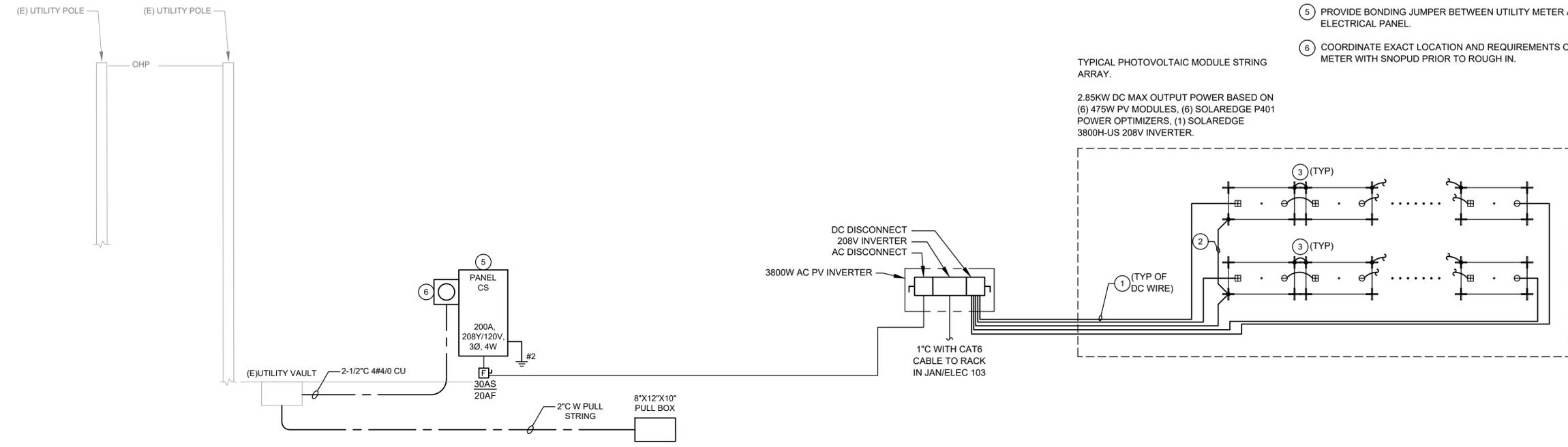
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SHEET NO.

E3.01

PLAN NOTES

- ① PROVIDE 1000VDC PHOTOVOLTAIC WIRE WITH RED DC POSITIVE AND BLACK DC NEGATIVE WIRE.
- ② PROVIDE EQUIPMENT GROUNDING CONDUCTORS FROM INVERTER TO PHOTOVOLTAIC STRING ARRAYS PER NEC.
- ③ GROUND PHOTOVOLTAIC MODULES TO ADJACENT MODULES PER NEC AND EQUIPMENT MANUFACTURER'S INSTALLATION REQUIREMENTS.
- ④ NOT USED
- ⑤ PROVIDE BONDING JUMPER BETWEEN UTILITY METER AND ELECTRICAL PANEL.
- ⑥ COORDINATE EXACT LOCATION AND REQUIREMENTS OF UTILITY METER WITH SNOPIUD PRIOR TO ROUGH IN.



TYPICAL PHOTOVOLTAIC MODULE STRING ARRAY.

2.85KW DC MAX OUTPUT POWER BASED ON (6) 475W PV MODULES, (6) SOLAREEDGE P401 POWER OPTIMIZERS, (1) SOLAREEDGE 3800H-US 208V INVERTER.

1 ELECTRICAL ONE-LINE DIAGRAM
E4.01 SCALE: NONE

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	EW-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	EW-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	-	-	-	-	34		
35	-	-	-	-	C	20/1	-	S	SPARE	36		
37	CP-1	M	0.122	20/1	A	20/1	-	S	SPARE	38		
39	WH-1	WH	5.000	30/2	B	40/2	0.000	D	PHOTOVOLTAICS	40		
41	-	-	-	-	C	-	-	-	-	42		
PHASE LOAD		PHASE A=	9.20	KVA	PHASE B=	9.60	KVA	PHASE C=	12.17	KVA		
LOAD TYPE	L	R	M	H	WH	EV	D	A	K	LM	TOTAL LOADS	
CONN. LOAD	0.45	3.16	8.37	4.60	5.00		8.38	1.00		4.30	30.96 KVA 85.95 AMP	
CALC. LOAD	0.56	3.16	8.37	4.60	5.00		8.38	1.00		1.08	32.15 KVA 89.24 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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ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282

ELECTRICAL ONE-LINE DIAGRAM

PROJECT NO.:
SCALE: AS SHOWN
DATE: 12/13/2024
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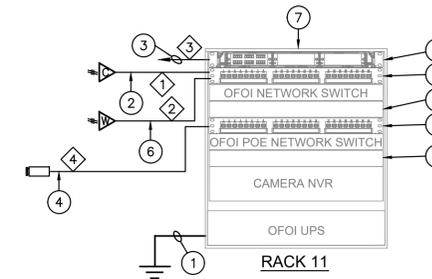
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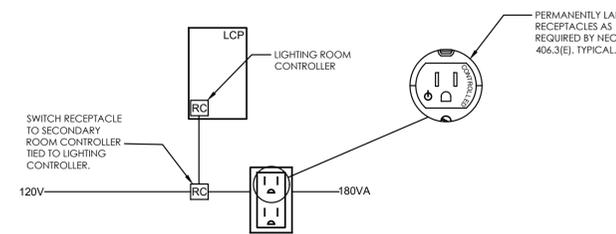
CABLE SCHEDULE		
TYPE	DESCRIPTION	REMARKS
1	FOUR PAIR UTP CATEGORY 6 CABLE, QUANTITY PER DEVICE AS NOTED ON FLOOR PLANS	1,2
2	FOUR PAIR CAT 6 CABLE FOR WIRELESS ACCESS POINT QUANTITY PER DEVICE AS NOTED ON FLOOR PLANS	1,2
3	(1) 12-STRAND INDOOR/OUTDOOR PLENUM RATED OM3 MULTIMODE FIBER OPTIC CABLING	3
4	FOUR PAIR UTP CATEGORY 6 CABLE FOR CAMERAS, QUANTITY AS INDICATED ON PLANS.	1,2
<p>SCHEDULE NOTES:</p> <p>1. UTP CABLE TO BE ROUTED FROM OUTLETS IN CONDUITS</p> <p>2. ALL DATA CABLES SHALL BE TERMINATED AT A PATCH PANEL.</p> <p>3. ROUTE IN 1" INNERDUCT THROUGH CONDUIT SLEEVES .</p>		

PLAN NOTES

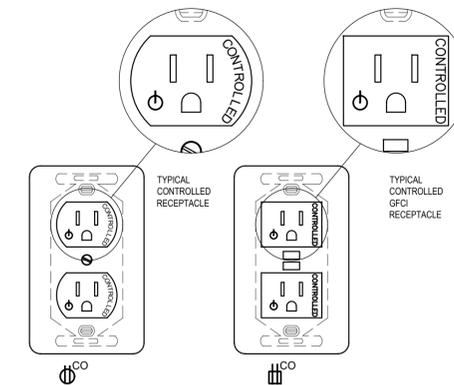
- 1 PROVIDE GROUND BUS BAR KIT CPI #10622-010 ON WALL AS INDICATED ON FLOOR PLAN. GROUND BUS BAR ON WALL TO CLOSEST NEC CODE RECOGNIZED GROUND. GROUND ALL RACKS FROM GROUND LUG AT EACH RACK TO BUS BAR ON WALL. ALL GROUND WIRE SHALL BE #6 AWG INSULATED CU GROUND LUG ON RACK TO BE CPI PART #08009-001.
- 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-11122-011 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



2 CONTROLLED DUPLEX RECEPTACLES
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.

Island Transit

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JAMES J. CHONG REGISTERED PROFESSIONAL ENGINEER, No. 53813, State of Washington, 01/10/25

NO.	DATE	REVISION
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ISLAND TRANSIT TERRY'S CORNER STAFF SUPPORT FACILITIES
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

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FILE:
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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.
- 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.
- PROVIDE COMPLETE & FULLY-OPERATING SYSTEMS.
- COORDINATE LOCATIONS OF ALL EQUIPMENT & APPURTENANCES WITH OTHER TRADES.
- 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 & THE REQUIREMENTS OF THE SPECIFICATIONS.
- 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.
- ADJUSTING & BALANCING: ADJUST EACH PART OF SYSTEM TO ENSURE PROPER FUNCTIONING OF ALL CONTROLS & SPECIFIED AIR DISTRIBUTION. LEAVE ENTIRE SYSTEM IN OPERATING CONDITION.
- PROVIDE OPERATING & MAINTENANCE MANUALS (O&MS), RECORD DRAWINGS, & OWNER TRAINING.
- 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.
- 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.
- HEAT-TRACED SYSTEMS SHALL MEET THE INSULATION THICKNESS REQUIREMENTS OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. UNTRACED PIPING WITHIN A HEAT-TRACED SYSTEM SHALL BE INSULATED WITH NOT LESS THAN 1" OF INSULATION.
- 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.
- PROTECT PIPING INSULATION PER REQUIREMENTS OF WSEC C403.10.3.1
- 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 AND WATER HEATERS. 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
- PROVIDE AIR SYSTEM BALANCING DEVICES, INCLUDING VOLUME DAMPERS, AND ZONE DAMPERS ON TERMINALS AS SHOWN ON PLANS. TEST AND BALANCE ALL SYSTEMS
- PROVIDE WATER SYSTEM BALANCING DEVICES, INCLUDING ISOLATION VALVES, BALANCING VALVES, AND FLOW MEASURING DEVICES AS SHOWN ON PLANS.
- CEILING FANS, EQUIPMENT, DIFFUSERS, & GRILLES SHALL BE COORDINATED WITH PLACEMENT OF LIGHT FIXTURES.
- 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.
- 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.
- SEAL & TEST ALL DUCTWORK AS REQUIRED PER IMC, WSEC C403.10.2 LEAKAGE REQUIREMENTS, & IBC VAPOR RETARDER REQUIREMENTS. DUCTWORK DESIGN PRESSURE IS 2".
- 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.
- ALL SHEET METAL PRODUCTS SHALL COMPLY WITH SMACNA DUCT CONSTRUCTION STANDARDS, CURRENT EDITION.
- 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.
- ALL DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
- WHERE FLEXIBLE DUCT IS SHOWN AT GRILLES, REGISTERS, AND DIFFUSERS, PROVIDE 6' MAXIMUM LENGTH OF FLEXIBLE DUCT.
- PROVIDE FLEXIBLE CONNECTORS AT DUCT CONNECTIONS TO ALL AIR HANDLING EQUIPMENT.
- SUPPORT FOR SUSPENDED EQUIPMENT SHALL INCLUDE APPURTENANCES AS NOTED IN ASHRAE AND REQUIRED IN CODE FOR SEISMIC/SWAY BRACING.
- PROVIDE VOLUME DAMPERS AT ALL GRILLES, REGISTERS, & DIFFUSERS IN ADDITION TO OPPOSED BLADE DAMPERS.
- MOTORIZED DAMPERS SHALL BE CLASS 1 AND HAVE A MAXIMUM LEAKAGE RATE OF 4 CFM/SQUARE FOOT AT 1.0" W.G.
- REFERENCE BUILDING HVAC LOAD CALCULATIONS FOR EQUIPMENT CAPACITIES. NO HUMIDIFICATION PROVIDED. NO SIMULTANEOUS HEATING/COOLING ALLOWED.
- CONTROLS SHALL CLOSE ALL OSA DAMPERS WHEN EQUIPMENT IS NOT RUNNING IN COMPLIANCE WITH C403.7.8.4

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)		AIR TERMINAL SIZE, TYPE & 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
P0.03	PLUMBING SCHEDULES
P0.04	PLUMBING DETAILS
M0.03	MECHANICAL DETAILS
M2.01	MECHANICAL PLANS
M3.01	MECHANICAL SECTIONS
P2.01	PLUMBING PLANS



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

MECHANICAL GENERAL NOTES AND LEGEND

PROJECT NO.:	220804
SCALE:	AS SHOWN
DATE:	12/13/2024
SHEET NO.	

M0.01

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CITY MULTI VRF INDOOR UNIT SCHEDULE

UNIT NO.	MANUFACTURER	MODEL	AREA SERVED	CFM	ESP	TYPE	NOMINAL COOLING CAPACITY (BTUH)	NOMINAL HEATING CAPACITY (BTUH)	COOLING DESIGN 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	DAIKIN	TKPA0A0241KA70A	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	5/8	39-42-45	208/1 PH	POWERED BY OUTDOOR UNIT	1.3	46	1, 2, 3, 4

- NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67 °F (DB/WB), OUTDOOR OF 95 °F (DB)
- NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70 °F (DB), OUTDOOR OF 43 °F (WB)
- SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES.
- 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)	PRELIMINARY ADDED FIELD CHARGE (SEE NOTE 5)	ELECTRICAL PER MODULE				WEIGHT (POUNDS)	NOTES
															VOLTAGE / PHASE	MCA	RFS	MOCP		
ODU-1	DAIKIN	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

- NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67 °F (DB/WB), OUTDOOR OF 95 °F (DB)
- NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70 °F (DB), OUTDOOR OF 43 °F (WB)
- 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			WEIGHT (POUNDS)	NOTES	
				CFM	ESP	KW	HP	CFM	ESP	KW	HP	TEMPERATURE	ENTHALPY COOLING %	ENTHALPY HEATING %	VOLT/PH	MCA	MOCP			SOUND LEVEL dBA
ERV-1	DAIKIN	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

- PROVIDE WITH OSA, ALUMINUM MESH FILTERED, MOTORIZED DAMPER FOR OUTSIDE AIR INTAKE AND EXHAUST OUTLET.
- PROVIDE FAN SPEED CONTROLS.
- ENERGY RECOVERY EFFICIENCY SHALL BE RATED FOR BOTH SENSIBLE AND LATENT.
- PROVIDE WITH STANDARD WASHABLE FILTER AND OPTIONAL MERV 16 FILTER.
- PROVIDE WITH FACTORY STAND ALONE CONTROLLER PZ-61DR-E, CONTROLLER TO ALSO CONTROL OUTSIDE AIR AND EXHAUST AIR DAMPERS.
- SYSTEM SHALL OPERATE DURING OCCUPIED HOURS. MOUNT CONTROLLER IN JANITOR'S CLOSET.
- VENTILATION HEATING AIR IS TEMPERED TO 65°F.
- 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

- PROVIDE DUCT HEATERS WITH FACTORY 24 VOLT FAN RELAY INTERLOCK. CONTROL CONTRACTOR SHALL MOUNT AND WIRE THE FACTORY FAN RELAY INTERLOCK.
- FACTORY CONTROLS SET LAT @ 65°F.
- PROVIDE WITH SCR CONTROL.

ELECTRIC WALL HEATER SCHEDULE

UNIT NO.	MANUFACTURER	MODEL	AREA SERVED	MOUNTING	POWER CONNECTION		DIMENSIONS WxDxH	WEIGHT (POUNDS)	NOTES
					VOLT/PH	KW			
EWH-1	CADET	COM-PAK BATH	JAN/ELECT 103	WALL	208/1 PH	1300	8"x10-1/8"x4"D	8	PROVIDE WITH GRILLE KIT AND DINTTEGRAL THERMOSTAT
EWH-2	CADET	COM-PAK BATH	RR 104	WALL	208/1 PH	1300	8"x10-1/8"x4"D	8	PROVIDE WITH GRILLE KIT AND DINTTEGRAL THERMOSTAT
EWH-3									

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" EGGRATE GRILLE FOR INSTALLATION IN HARD CEILINGS. MANUFACTURER'S STANDARD OFF-WHITE FINISH. PAINT DUCT MATTE BLACK BEHIND GRILLE.
DG	DOOR GRILLE: TITUS MODEL CT-700 STEEL CONSTRUCTION AND AN AUXILIARY FRAME FOR THE REVERSE SIDE.
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.
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 UPSTREAM OF AUTOMATIC SHUTOFF DAMPER TO HVAC UNIT OR ROOM	4C	≥ 2800 CFM	R-8	
OUTDOOR AIR	INSIDE CONDITIONED SPACE AND UPSTREAM 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 C403.10.1.1 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	
RETURN OR EXHAUST AIR	CONDITIONED SPACE DOWNSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C AND 5B	R-16	

- INSULATION R-VALUES, MEASURED IN h.ft² F/ftu, 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.
- SEE INTERNATIONAL MECHANICAL CODE SECTIONS 603.12 AND 604 FOR FURTHER DETAILS ON DUCT INSULATION REQUIREMENTS.
- INCLUDES ATTICS ABOVE INSULATED CEILINGS, PARKING GARAGES AND CRAWL SPACES.



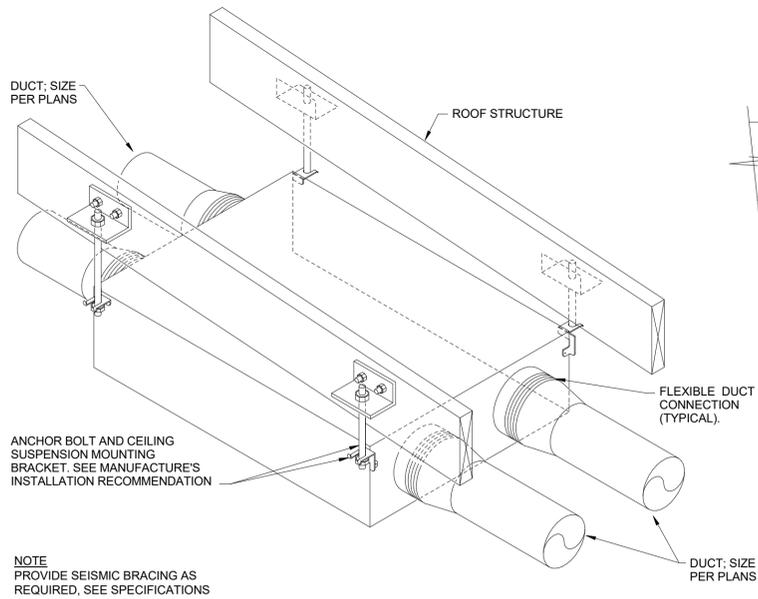
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ISLAND TRANSIT TERRY'S CORNER STAFF SUPPORT FACILITIES
 TERRY'S CORNER PARK AND RIDE
 532 718 WASHINGTON
 CAMANO, WA 98282
 MECHANICAL SCHEDULES

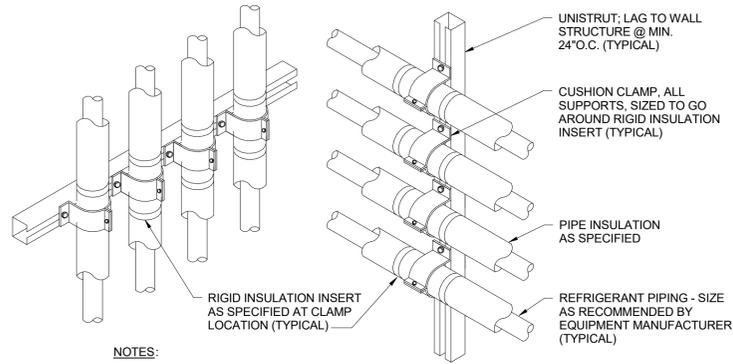
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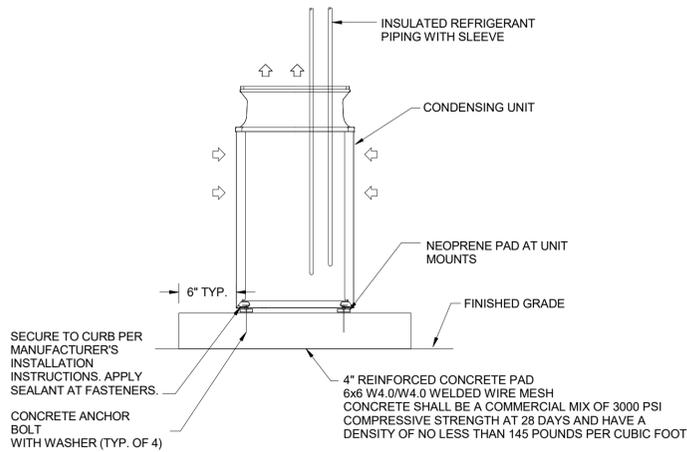
1 ERV-1 INSTALLATION DETAIL
SCALE: NO



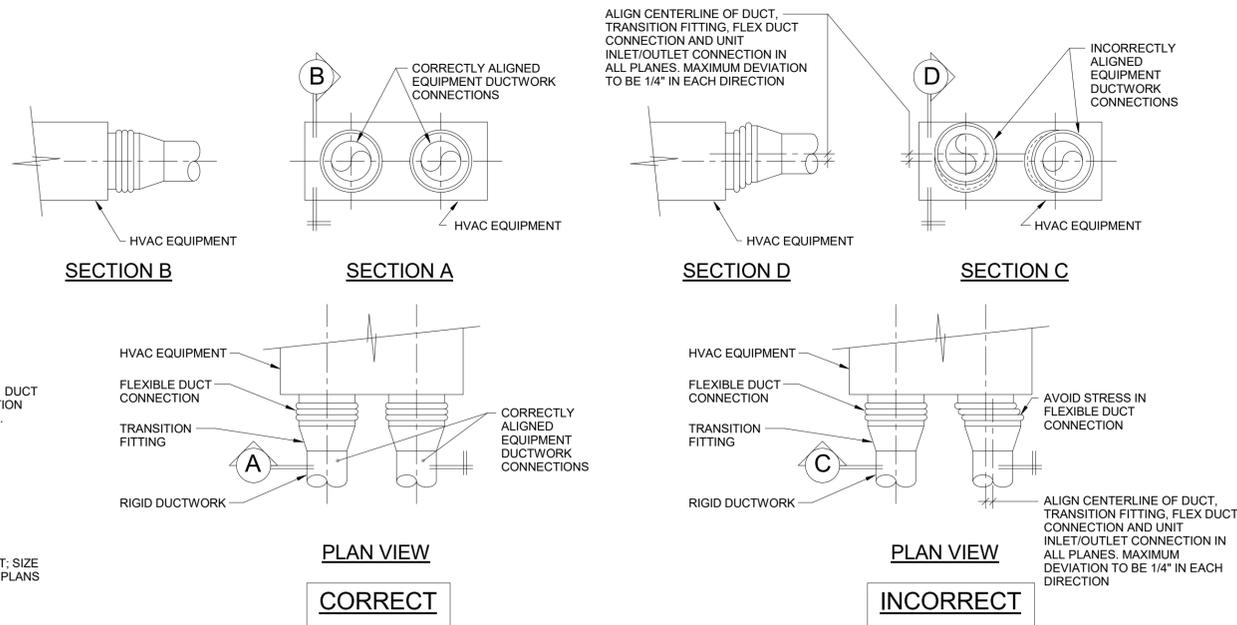
NOTES:

1. PROVIDE PIPING SUPPORT AS SHOWN AT ALLOWABLE SPACING AS NOTED IN SPECIFICATIONS FOR PIPE HANGERS.
2. COVER ENTIRE LENGTH OF EXPOSED PIPING ON EXTERIOR WALL W/ COVERING PER SPECIFICATIONS

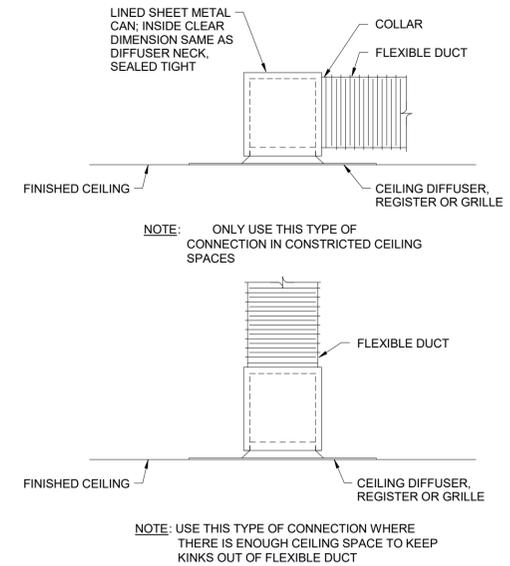
4 REFRIGERANT PIPING RACKING ON BUILDING EXTERIOR
SCALE: NO



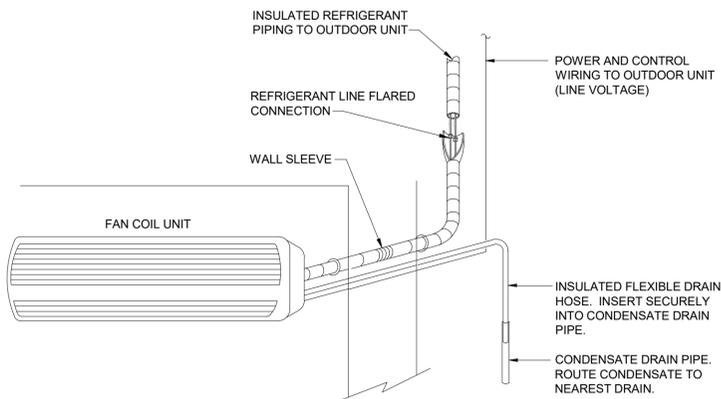
5 OUTDOOR UNIT MOUNTING DETAIL
SCALE: NO



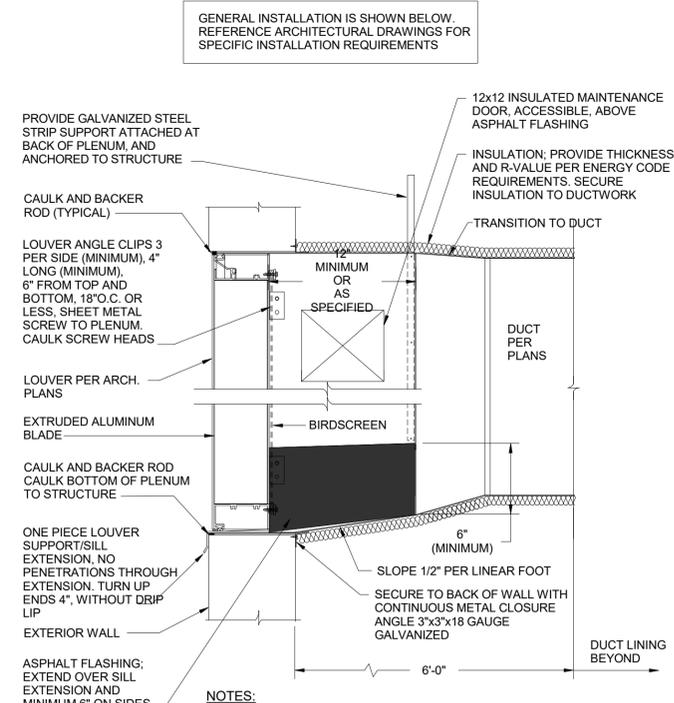
2 FLEXIBLE DUCT CONNECTION INSTALLATION DETAIL
SCALE: NO



3 SUPPLY/RETURN AIR CAN CONNECTION
SCALE: NO



6 WALL MOUNTED INDOOR UNIT DETAIL
SCALE: NO



NOTES:

1. GENERAL MECHANICAL/HVAC CONTRACTOR TO COORDINATE INSTALLATION OF LOUVER WITH ARCHITECT PRIOR TO ORDERING AND INSTALLING.

7 WEATHERPROOF LOUVER INSTALLATION DETAIL
SCALE: NO

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

PROJECT NO.:	220804
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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. ITEMS TO BE COMMISSIONED ARE: CONTROL DEVICES, PUMPS PROVIDE PRELIMINARY AND FINAL COMMISSIONING REPORTS. SUBMIT FIGURE C408.1.2.1 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
- SERVICE WATER PIPING INSULATION CONDUCTIVITY IS NOT TO EXCEED 0.27 BTU PER INCH*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:

- 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.
 - PROVIDE WATER HAMMER ARRESTORS IN DOMESTIC WATER PIPING IN ACCORDANCE WITH PDI-WH 201.
 - 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.
 - VALVES, EXPANSION FITTINGS/LOOPS, AND PIPING SPECIALTIES SHALL BE FULL SIZE OF PIPE UNLESS NOTED OTHERWISE.
 - PROVIDE TRAP PRIMER FOR ALL FLOOR DRAINS, FLOOR SINKS, AND AIR GAP DRAIN TRAPS.
- PIPING:
- VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
 - ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.
 - 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.
 - 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.



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

PLUMBING GENERAL NOTES AND ABBREVIATIONS

PROJECT NO.:	220804
SCALE:	AS SHOWN
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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	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"	ADA
P-4	SERVICE SINK	FLOOR MOUNT, 24"x24", MOLDED STONE, STAINLESS STEEL DOME STRAINER: FIAT NO. TSBC1610 FAUCET: ADJUSTABLE INLETS, VACUUM BREAKER SPOUT, PAIL HOOK WITH WALL SUPPORT, INTEGRAL STOPS, 3/4" HOSE THREAD OUTLET: CHICAGO FAUCET NO. 897-RCF TRAPS & TAILPIECES: PROVIDED WITH UNDERGROUND PIPING SUPPLIES: INTEGRAL TO FAUCET MISCELLANEOUS: PROVIDE SERVICE SINK WITH FIAT NO. 832-AA, 30" LONG 3/4" HOSE AND HOSE BRACKET AND NO 889-CC STAINLESS STEEL MOP HANGER. SEAL SEAM BETWEEN SERVICE SINK AND WALL WITH FIAT NO 832-AA SILICONE SEALANT	3"	2"	3/4"	3/4"	
P-5	EYE WASH	EYE WASH, WALL MOUNTED, STINGRAY SYSTEMS MODEL T2535 INCLUDE A MIXING VALVE THAT SHALL CONTROL OUTLET TEMPERATURE OVER A WIDE RANGE OF FLOW AND SHALL BE SUITABLE FOR SINGLE EYEWASH. PROVIDE WITH STAINLESS STEEL EYE WASH RECEPTOR, WALL BRACKET, TWIN HEADS WITH DUST COVERS. SUPPLY: 1/2" BALL VALVE SHUTOFF. PROVIDE W/ PHENOLIC LABEL "DO NOT SHUT OFF"	2"	1-1/2"	1/2"	1/2"	1/2" TEMPERED WATER FROM MV-3
P-6	NON-FREEZE WALL HYDRANT	BRONZE QUARTER-TURN NON-FREEZE HYDRANT WITH HOSE CONNECTION, INTEGRAL VACCUM BREAKER, T HANDLE KEY AND STAINLESS STEEL BOX WITH FULL 180° COVER OPENING JAY R. SMITH MODEL 5509QT	-	-	3/4"	-	

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
							WATT	VOLT/PHASE	FLA	HP		
CP-1	B&G	ECOCIRC+20-18	WH-1	IN-LINE	0-16	15	0-70	120/1	1.02		E.C.	1,2,3

NOTES: 1. ALL BRONZE LEAD-FREE 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	REMARKS
			INLET	OUTLETS		
TP-1	PPP, PRIME-TIME	4 - 12	3/4"	1/2"	120/1	1

NOTES: 1. TRAP PRIMER MANIFOLD. RECESS MOUNT.



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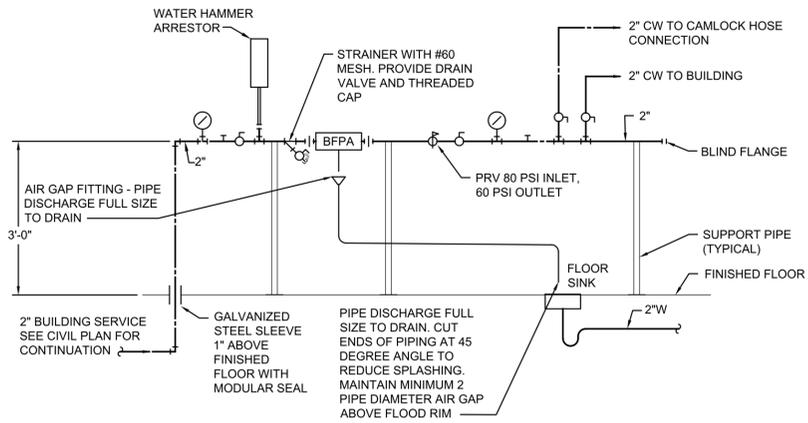
ISLAND TRANSIT TERRY'S CORNER
 STAFF SUPPORT FACILITIES
 TERRY'S CORNER PARK AND RIDE
 532 718 WASHINGTON
 CAMANO, WA 98282
 PLUMBING SCHEDULES

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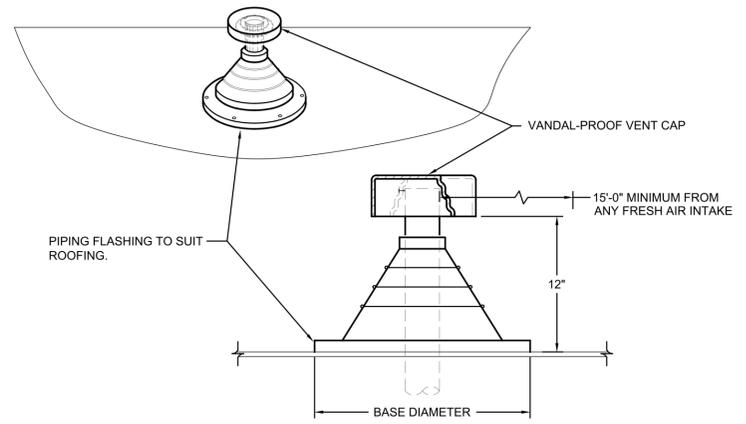
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NOTES:
 1. ALL MATERIALS IN CONTACT WITH WATER TO BE COPPER, BRASS, BRONZE, EPDM, STAINLESS STEEL AND CERTIFIED LEAD FREE. ALL EQUIPMENT TO HAVE FLANGED CONNECTIONS FOR EASE OF REPLACEMENT

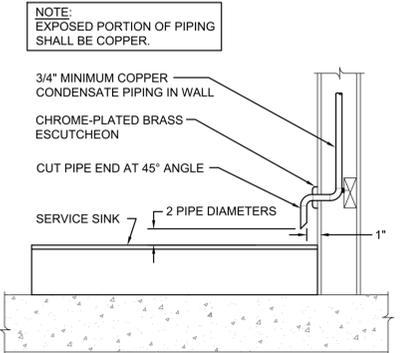


1 DOMESTIC WATER HEADER
 P0.04 SCALE: NO

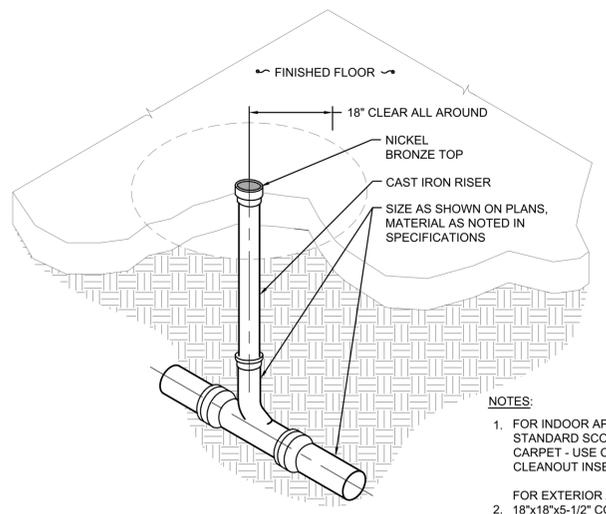


NOTES:
 1. INSTALL PER ROOFING AND ROOFING FLASHING MANUFACTURERS' WRITTEN INSTRUCTIONS.

4 PLUMBING VENT THROUGH ROOF (VTR)
 P0.04 SCALE: NO

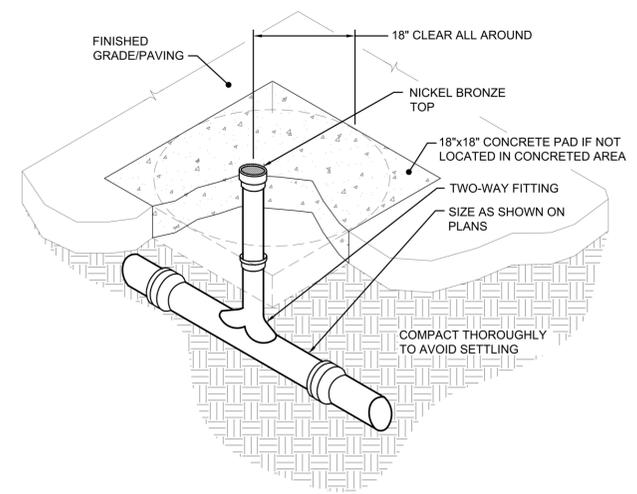


7 CONDENSATE DISCHARGE TO SERVICE SINK
 P0.04 SCALE: NO

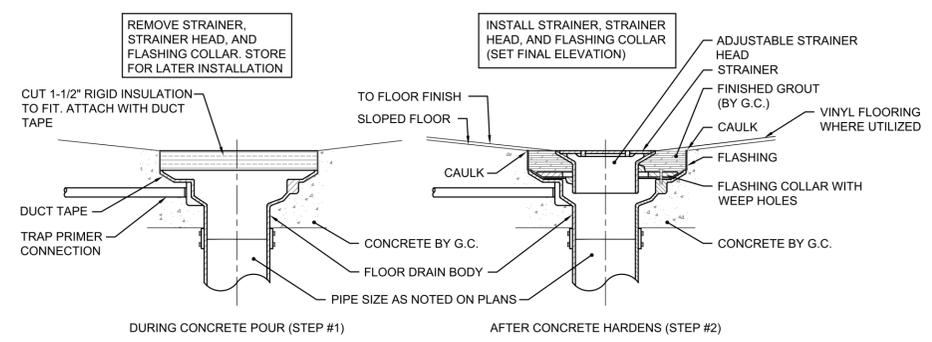


NOTES:
 1. FOR INDOOR APPLICATIONS CONCRETE - USE STANDARD SCORIATED CLEANOUT COVER; CARPET - USE CARPET FLANGE; VINYL - USE CLEANOUT INSERT COVER.
 2. FOR EXTERIOR APPLICATIONS, PROVIDE AN 18"x18"x5-1/2" CONCRETE PAD AND A NICKEL BRONZE TOP.

2 FLOOR CLEANOUT
 P0.04 SCALE: NO

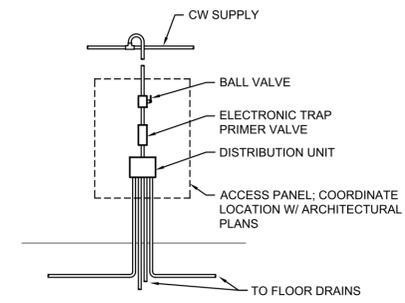


3 SURFACE TWO-WAY CLEANOUT
 P0.04 SCALE: NO

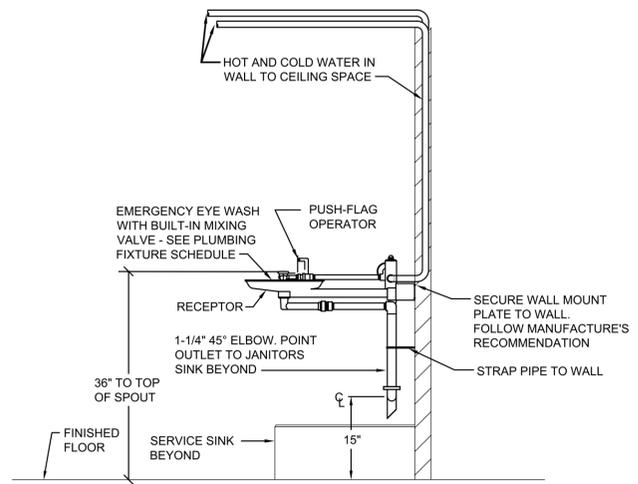


NOTES:
 1. COMPLETE INSTALLATION OF FLOOR DRAIN AND SETTING OF FINAL ELEVATION WILL NOT BE ALLOWED DURING INITIAL CONCRETE POUR.
 2. DO NOT ALLOW GROUT TO PENETRATE WEEP HOLES AND FILL UP TRAP.

6 FLOOR DRAIN INSTALLATION
 P0.04 SCALE: NO



5 ELECTRONIC TRAP PRIMER
 P0.04 SCALE: NO



8 EMERGENCY EYE WASH
 P0.04 SCALE: NO

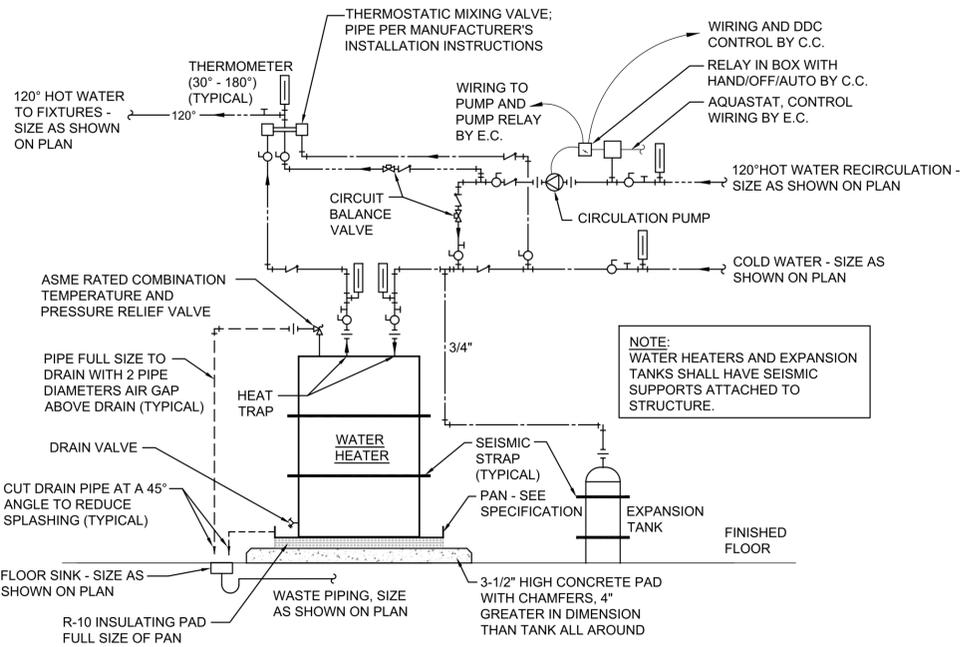
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ISLAND TRANSIT TERRY'S CORNER STAFF SUPPORT FACILITIES TERRY'S CORNER PARK AND RIDE 532 718 WASHINGTON CAMANO, WA 98282
 PLUMBING DETAILS

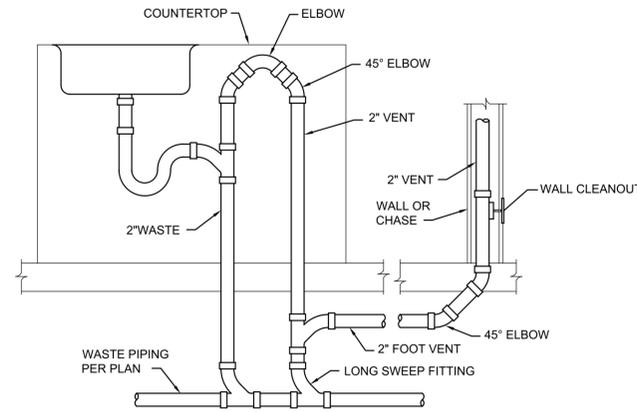
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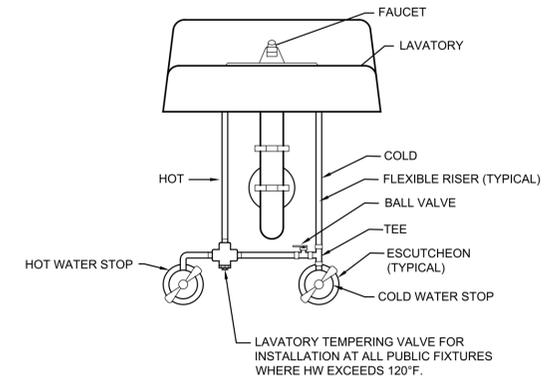
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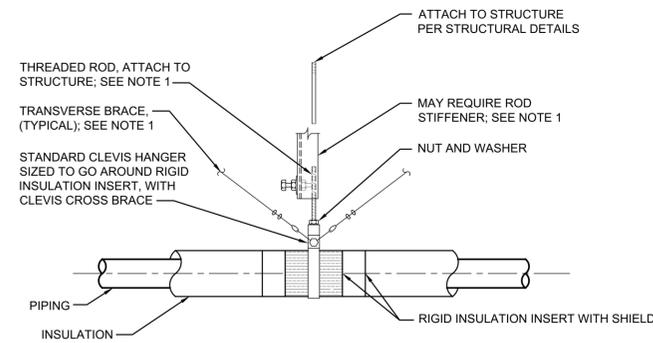
1 ELECTRIC WATER HEATER
P0.05 SCALE: NO



2 ISLAND VENT PIPING DETAIL
P0.05 SCALE: NO



3 LAVATORY SERVICES INSTALLATION
P0.05 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
P0.05 SCALE: NO

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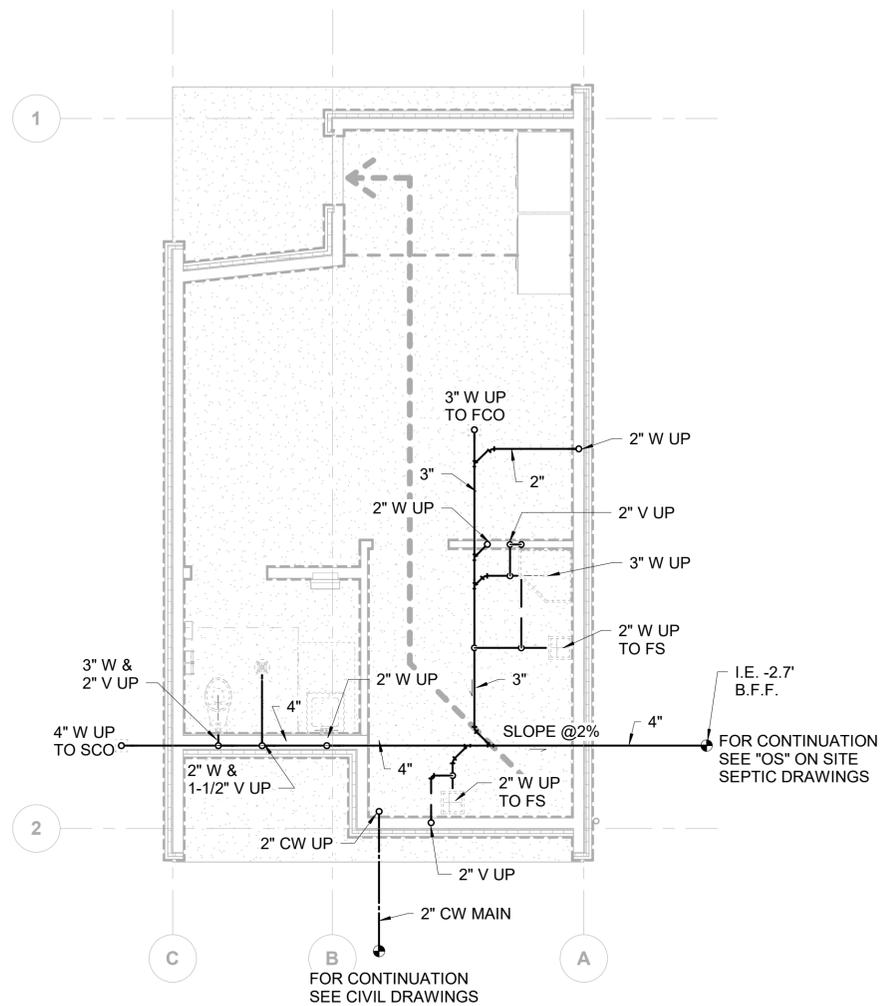
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ISLAND TRANSIT TERRY'S CORNER
STAFF SUPPORT FACILITIES
TERRY'S CORNER PARK AND RIDE
532 718 WASHINGTON
CAMANO, WA 98282
PLUMBING DETAILS

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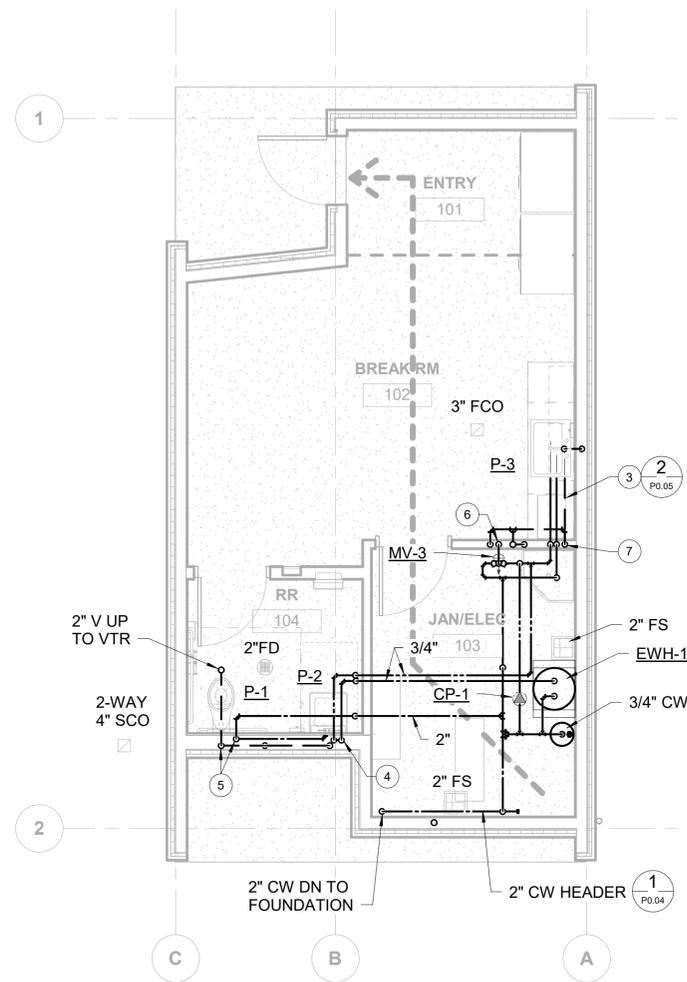


FOUNDATION PLAN

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

1

M3.01



PLUMBING FLOOR PLAN

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

2

M3.01

PLAN NOTES

- 1 2" V DN.
- 2 1-1/2" V DN.
- 3 ROUTE 1/2" CW, HW & 2" V BELOW COUNTERTOP TO P-3.
- 4 ROUTE FULL SIZE HW DN IN CHASE AND LOOP WITHIN 12" OF LAVATORY STOPS TO MEET WSEC REQUIREMENTS.
- 5 2" V AND 2" CW DN. ROUTE FULL SIZE PIPING TO PLUMBING FIXTURES IN CHASE. SEE PLUMBING FIXTURE SCHEDULE FOR RUNOUT SIZES.
- 6 1/2" TEMPERED WATER AND 1-1/2" V DN.
- 7 3/4" CW, HW AND 2" V DN.



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PLUMBING PLANS

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