STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE

BID SET

PROJECT INFORMATION

PROJECT DESCRIPTION
INTERIOR REMODEL OF STATION 83. LIVING QUARTERS SCOPE INCLUDES NEW SLEEP ROOM, NEW BATHROOM, AND NEW KITCHEN. APP BAY SCOPE INCLUDES NEW BATHROOM, NEW STORAGE ROOM, AND NEW RADIO DESK. EXISTING SQUARE FOOTAGE REMAINS THE SAME, NO CHANGE.

SITE ADDRESS
13717 DIVISION ST.
SNOHOMISH, WA 98290

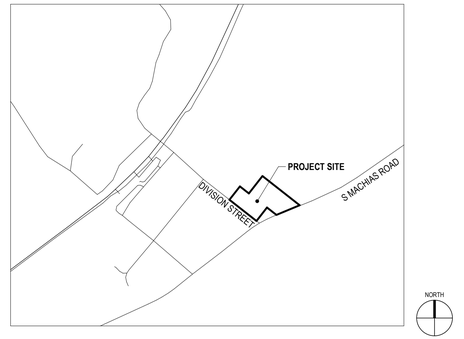
SITE ZONING
RURAL 5-ARCE(R-5) / AGRICULTURE 10-ACRE (A-10)

LEGAL DESCRIPTION
SEC 21 TWP 29 RGE 06 BEG NW COR BLK 1 MACHIAS TH S50*20 00E 213.9FT ALG N BDY LN SD BLK 1 TO ITS INT WITH W BDY LN CO RD TH N69*40 00E 174.9FT ALG SD CO RD THN50*20 00W 331.4FT TH S39*40 00W 151.4FTTO INT C/L OF FLORENCE ST AT INT WITH N BDY OF PLAT OF MACHIAS TH S50*20 00E TO POB & TGW LOTS 1,2,3, IN BLK 1 VAC PLAT OF MACHIAS & TGW LOT 1 & SE 10FT OF LOT 2 IN BLK 5 SD VAC PLAT OF MACHIAS

PARCEL NUMBER(S)
29062100301800

AUTHORITY HAVING JURISDICTION
SNOHOMISH COUNTY
3000 ROCKEFELLER AVENUE
EVERETT, WA 98201
(425) 388-3411

VICINITY MAP



PROJECT DESIGN TEAM

OWNER
SNOHOMISH REGIONAL FIRE & RESCUE
163 VILLAGE COURT
MONROE, WA 98272
RON RASMUSSEN
(360) 217-2132
RON.RASMUSSEN@SRFR.ORG

ARCHITECT
RICE FERGUS MILLER
275 5TH ST, SUITE 100
BREMERTON, WA 98337
GUNNAR GLADICS, ARCHITECT OF RECORD
(360) 377-8773
CHARLES KRIMMERT, PROJECT MANAGER
(360) 362-1437
CKRIMMERT@RFMARCH.COM

ELAINE LIFFGENS, INTERIOR DESIGNER
(360) 362-1440
ELIFFGENS@RFMARCH.COM

STRUCTURAL ENGINEER
REID MIDDLETON, INC
728 134TH ST SW, SUITE 200
EVERETT, WA 98204
CORBIN HAMMER
(425) 741-3800
CHAMMER@REIDMIDDLETON.COM

CIVIL & LANDSCAPE ENGINEER
MACKAY SPOSITO
33810 WEYERHAEUSER WAY S, SUITE 130
FEDERAL WAY, WA 98001
ERIC PILCHER, PE (CIVIL)
(253) 237-7932
EIPILCHER@MACKAYSPOSITO.COM

MECHANICAL ENGINEER
SIDER + BYERS
192 NICKERSON ST, SUITE 300
SEATTLE, WA 98109
JAMES WHIGHAM
(206) 285-2966
JAMES@SIDERBYERS.COM

PLUMBING ENGINEER
SIDER + BYERS
192 NICKERSON ST, SUITE 300
SEATTLE, WA 98109
JONATHAN HALL
(206) 285-2966
JONATHAN@SIDERBYERS.COM

ELECTRICAL ENGINEER
SIDER + BYERS
192 NICKERSON ST, SUITE 300
SEATTLE, WA 98109
RYAN ARP
(206) 285-2966
RYAN@SIDERBYERS.COM

SEPTIC ENGINEER
JENSEN ENGINEERING LLC
4004 NE 4TH STREET, #107-508
RENTON, WA 98056
DAVID JENSEN P.E.
(425) 457-6029
JENSENENG@YAHOO.COM

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

COVER SHEET

SHEET #
A00.01

ABBREVIATIONS

-- A --	
A	AMP
A/V	AUDIO VISUAL
AA	ART & ACCESSORIES
AB	ANCHOR BOLT
ACST	ACOUSTIC(AL)
ACT	ACOUSTIC CEILING TILE
ADJ	ADJACENT, ADJUST(ABLE)
AFF	ABOVE FLOOR FINISH
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATELY
ARCH	ARCHITECT(URAL)
AUTO	AUTOMATIC
-- B --	
BATH	BATHROOM
BD	BOARD
BED	BEDROOM
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DECK
BOF	BOTTOM OF FRAMING
BOJ	BOTTOM OF JOIST
BTWN	BETWEEN
BUR	BUILT UP ROOF(ING)
-- C --	
CAB	CABINET
CALC	CALCULATION
CB	CATCH BASIN, CORNER BEAD
CEM	CEMENT
CFOI	CONTRACTOR FURNISHED & OWNER INSTALLED
CIP	CAST IN PLACE
CJ	CONTROL JOINT, CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECT(ION)
CONSTR	CONSTRUCTION
CONT	CONTINUE, CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CP	CEMENT PLASTER
CPT	CARPET
CS	CONCRETE SEALER
CSMT	CASEMENT
CTR	CENTER
-- D --	
D	DEEP, DRYER
DBL	DOUBLE
DEMO	DEMOLISH(ED), DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPOSAL
DL	DEAD LOAD
DN	DOWN
DP	DECORATIVE PANEL
DR	DOOR, DINING ROOM, DRAIN
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
-- E --	
(E)	EXISTING
E	EAST
EA	EACH
EC	EDGE OF CURB
EE	EACH END
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSE(D), ENCLOSURE
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQP	EQUIPMENT
EST	ESTIMATE(D)
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXH	EXHAUST
EXP	EXPOSED, EXPANSION
EXT	EXTERIOR
-- F --	
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDTN	FOUNDATION
FDV	FIRE DEPARTMENT VALVE
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH, FINISH FACE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK, FIRE HOSE REEL
FIN	FINISH(ED)

-- F CONTINUED --	
FIXT	FIXTURE
FLASH	FLASHING
FLR	FLOOR
FMF	FLEXIBLE MEMBRANE FLASHING
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIREPLACE
FRP	FIBER REINFORCED PANELS
FRTW	FIRE RETARDANT TREATED WOOD
FRZ	FREEZER
FS	FULL SIZE
FCG	FURNITURE-CASEGOODS
FSG	FURNITURE-SOFTGOODS
FT	FOOT, FEET
FTG	FOOTING
-- G --	
G	GROUND
GA	GAUGE
GALV	GALVANIZED
GAR	GARAGE
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFRG	GLASS FIBER REINFORCED GYPSUM
GI	GALVANIZED IRON
GL	GLASS, GLAZING
GLF	GLAZING FILM
GLULAM	GLUE LAMINATED
GR	GROSS
GT	GROUT
GWB	GYPSUM WALL BOARD
-- H --	
H	HEIGHT, HIGH
HB	HOSE BIB
HC	HOLLOW CORE
HDR	HEADER
HDW	HARDWARE
HGR	HANGER
HM	HOLLOW METAL
HRL	HANDRAIL
HORIZ	HORIZONTAL
HR	HOUR(S)
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HWT	HOT WATER TANK
-- I --	
IIC	IMPACT INSULATION CLASS
IN	INCH(ES)
INC	INCREASE
INCL	INCLUDE(D), INCLUDING
INFO	INFORMATION
INSTL	INSTALL(ATION)
INSUL	INSULATION
INT	INTERIOR
-- J --	
JAN	JANITOR
JBOX	JUNCTION BOX
JT	JOINT
-- K --	
KD	KILN DRIED
KIT	KITCHEN
KW	KILOWATT
-- L --	
L	LEFT, LENGTH, LINEN, LONG
LAB	LABORATORY
LAM	LAMINATE(D)
LAU	LAUNDRY
LAV	LAVATORY
LB(S)	POUND(S)
LD	LIGHTING-DECORATIVE
LDG	LANDING
LL	LIVE LOAD
LOC	LOCATION
LP	LIGHTING-PORTABLE
LPT	LOW POINT
LR	LIVING ROOM
LRG	LARGE
LT	LIGHTING
LVR	LOUVER
-- M --	
M/S	MIRROR & SHELF
MACH	MACHINE
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MASTER BEDROOM
MC	MEDICINE CABINET
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANIC(AL)
MED	MEDIUM
MEDS	MEDICINE, MEDICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MFRREC	MANUFACTURER'S RECOMMENDATION(S)
MGR	MANAGER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING, MONITOR
MTD	MOUNTED
MTL	METAL
MULL	MULLION
MULT	MULTIPLE
MW	MICROWAVE OVEN

-- N --	
N	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA, NURSE CALL
NCAP	NURSE CALL ANNUNCIATOR PANEL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
-- O --	
O/	OVER
OA	OVERALL
OC	ON CENTER
OCC	OCCUPANTS, OCCUPANT LOAD, OCCUPANCY
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED & CONTRACTOR INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OGL	OBSCURE GLASS
OH	OVERHEAD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
-- P --	
P	PAINT(ED), PANTRY
PC	PORTLAND CEMENT
PCC	PRECAST CONCRETE
PED	PEDESTAL
PERF	PERFORATED
PERM	PERMANENT
PERP	PERPENDICULAR
PF	PLUMBING FIXTURE
PFP	PREPARED FOR PAINT
PIV	POST INDICATOR VALVE
PL	PLATE, PROPERTY LINE
PLAS	PLASTER
PLBG	PLUMBING
PLY	PLYWOOD
PMTL	PAINTED METAL
PNT	POINT
PP	POWER POLE
PR	PAIR
PREFAB	PREFABRICATE
PRELIM	PRELIMINARY
PRKG	PARKING
PROP	PROPERTY
PS	PROJECTOR SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESERVATIVE TREATED, PRESSURE TREATED, POST TENSIONED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE, POLYVINYL CHLORIDE PIPE
PVD	PROVIDE
PVG	PAVING
PVR	PAVERS
-- Q --	
QTY	QUANTITY
QTZ	QUARTZ
-- R --	
R	RISER, RADIUS
R/S	ROD & SHELF
RA	RESTROOM ACCESSORY
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REC	RECESSED
REF	REFERENCE, REFRIGERATOR
REINF	REINFORCE(D), REINFORCING
RES	RESILIENT
REQD	REQUIRED
RET	RETAINING
REV	REVISED, REVISION
RF	RAISED FLOOR(ING)
RM	ROOM
RO	ROUGH OPENING
RP	RADIUS POINT
RS	ROUGH SAWN
RT	RIGHT
RVL	REVEAL
-- S --	
S	SOUTH, SINK
SAN	SANITARY
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	STORM DRAIN
SEAL	SEALER, SEALANT
SECT	SECTION
SEP	SEPARATION
SF	SQUARE FEET
SG	SAFETY GLASS, SAFETY GLAZING
SHR	SHOWER
SHTG	SHEATHING, SHEETING
SHLV	SHELVING
SIM	SIMILAR
SM	SHEET METAL
SOG	SLAB ON GRADE
SOL	SOLID SURFACE
STO	STONE
SPEC	SPECIFICATION(S)
SPKLR	SPRINKLER
SPKR	SPEAKER
SQ	SQUARE
SQIN	SQUARE INCH
SS	SERVICE SINK, SANITARY SEWER

-- S CONTINUED --	
SST	STAINLESS STEEL
ST	STREET, STAIN
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SU	SOILED UTILITY
SUBFL	SUBFLOOR
SUSP	SUSPENDED
SW	SWITCH
SYM	SYMMETRICAL
-- T --	
T	TREAD, TILE
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
TEMP	TEMPORARY, TEMPERATURE
TER	TERRAZZO
THK	THICK(NESS)
TI	TENANT IMPROVEMENT
TL	TOTAL LOAD
TMPD	TEMPERED
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CURB, TOP OF CONCRETE
TOF	TOP OF FOOTING, TOP OF FLOOR, TOP OF FRAME
TOS	TOP OF SLAB, TOP OF STEEL
TOW	TOP OF WALL
TR	TRANSITION STRIP
TV	TELEVISION
TX	TEXTILES
TYP	TYPICAL
-- U --	
UC	UNDERCOUNTER, UNDERCABINET, UNDERCUT
UGND	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UP	UTILITY POLE
UTIL	UTILITY
-- V --	
V	VOLT(AGE)
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VTO	VENT TO OUTSIDE
VTR	VENT THROUGH ROOF
-- W --	
W	WASHING MACHINE, WEST, WIDE, WIDTH
W/	WITH
W/D	WASHER & DRYER
W/O	WITHOUT
WB	WALL BASE
WC	WATER CLOSET, WALL COVERING
WCO	WINDOW COVERING
WD	WOOD
WDP	WALL/ DOOR PROTECTION
WF	WIDE FLANGE
WH	WATER HEATER
WIC	WALK-IN CLOSET
WIN	WINDOW
WM	WIRE MOLD, WATER METER, WIRE MESH
WO	WALK-OFF FLOORING
WP	WORK POINT, WATERPROOFING, WEATHERPROOF
WPM	WATERPROOF MEMBRANE
WR	WATER REPELLENT, WATER RESISTANT
WRB	WATER RESISTANT BARRIER
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

SYMBOL LEGEND

--VIEW REFERENCE--

- 1 / A00.00 — BUILDING SECTION
- 1 / A00.00 — WALL SECTION, PARTIAL BUILDING SECTION
- 1 / A00.00 — DETAIL SECTION
- 1 / A00.00 — EXTERIOR ELEVATION
- 1 / A00.00 — INTERIOR ELEVATION
- 1 / A00.00 — ENLARGED PLAN, DETAIL PLAN

--LINE STYLES--

- BUILDING SETBACK LINE
- CENTERLINE
- CLEARANCE
- ELEMENT BEYOND
- HIDDEN ELEMENT
- MATCH LINE / SEE 1 / A00.01 — MATCH LINE
- OVERHEAD ELEMENT
- PROPERTY LINE

--TAGS--

- CEILING / HEIGHT — CEILING TAG
- 100A — DOOR TAG
- FIN-1 — FINISH MATERIAL TAG
- F1 — FLOOR TAG
- EQP-1 — FURNITURE, FIXTURE, EQUIPMENT TAG
- GL-1 — GLAZING TAG
- 01 — KEYNOTE
- R1 — ROOF TAG
- ROOM NAME / 100 — ROOM TAG
- S1 — STOREFRONT TAG
- 01A — WALL TAG
- W1 — WINDOW TAG

--ANNOTATIONS--

- BREAK LINE
- LEVEL 1 / 0'-0" — ELEVATION LEVEL
- 1 — GRID LINE
- PLAN NORTH / TRUE NORTH — NORTH ARROW
- 1 / REF — REVISION CLOUD W/ TAG
- 0" — SPOT ELEVATION

--CONSTRUCTION PHASE--

- EXISTING ELEMENT TO REMAIN
- DEMOLITION ELEMENT
- NEW CONSTRUCTION ELEMENT

--MATERIAL SYMBOLS & PATTERNS--

- ALUMINUM
- BATT INSULATION
- BLOCKING, SHIM
- BRICK (PLAN VIEW)
- CONCRETE
- CMU (PLAN VIEW)
- CONTINUOUS WOOD FRAMING
- EARTH BELOW GRADE
- GLASS (SECTION VIEW)
- GRAVEL
- GYPSUM WALL BOARD, GYPSUM SHEATHING
- OUT OF PROJECT SCOPE
- PLYWOOD
- RIGID INSULATION
- STEEL
- WOOD

GENERAL NOTES

1. DRAWINGS HAVE BEEN PREPARED ON AN ORIGINAL SHEET SIZE OF 24" X 36".
2. COMPLY WITH CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK.
3. CONTRACTOR TO OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK.
4. REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY CONFLICTS OR OMISSIONS TO THE ARCHITECT AND OWNER FOR CLARIFICATION PRIOR TO BIDDING OR PERFORMING ANY WORK IN QUESTION.
5. SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES TO ARCHITECT AND OWNER FOR REVIEW PRIOR TO PURCHASE, FABRICATION OR INSTALLATION. SEE PROJECT SPECIFICATIONS.
6. OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.
7. GC TO COORDINATE FURNITURE, SIGNAGE, GRAPHICS, TELECOMMUNICATIONS, DATA AND SECURITY SYSTEM INSTALLATIONS WITH ARCHITECT, OWNER, AND OWNER'S VENDORS TYPICAL. NOTIFY OWNER AND ARCHITECT OF COORDINATION ISSUES PRIOR TO FABRICATION AND INSTALLATION.
8. MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION. COORDINATE WITH TENANT AND LANDLORD TO ENSURE SECURITY.
9. DO NOT SCALE DRAWINGS. THE WRITTEN DIMENSIONS GOVERN. IN THE CASE OF A CONFLICT, NOTIFY THE ARCHITECT FOR CLARIFICATION.
10. PARTITIONS ARE DIMENSIONED FROM FACE OF STUD TO FACE OF STUD, UNLESS OTHERWISE NOTED. MAINTAIN DIMENSIONS MARKED "CLEAR". ALLOW FOR THICKNESS OF FINISHES.
11. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND EQUIPMENT ITEMS AS ATTACHED, MOUNTED OR BRACED TO WALLS OR CEILINGS.
12. DOORS SHALL BE TRIMMED AT THRESHOLD TO PROVIDE 1/4" MIN., 3/4" MAX, CLEARANCE (U.O.N.) ABOVE FLOOR FINISH MATERIAL TO ALLOW FOR FULL DOOR SWING.
13. OPENING FORCE FOR INTERIOR SIDE-SWINGING DOORS WITHOUT CLOSERS SHALL NOT EXCEED A 5 POUND FORCE. FOR OTHER SIDE-SWINGING, SLIDING AND FOLDING DOORS, DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15 POUND FORCE APPLIED TO THE LATCH SIDE.
14. DRAWINGS ARE THE PROPERTY OF RICE FERGUS MILLER AND HAVE BEEN PREPARED FOR THE USE IN THE EXECUTION OF THE ENCLOSED PROJECT. USE OR REPRODUCTION FOR AN OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF RICE FERGUS MILLER IS PROHIBITED.

DRAWING INDEX

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT GUNNAR R. GLADICS STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

DRAWING INDEX, GENERAL INFORMATION

SHEET #

A00.02

SPECIAL INSPECTIONS

NON-STRUCTURAL SPECIAL INSPECTIONS AND TESTS (CHAPTER 17) & WSEC STATEMENT OF SPECIAL INSPECTIONS FOR GENERAL TRADES, MECHANICAL, AND ELECTRICAL SYSTEMS

1. SPECIAL INSPECTIONS SHALL BE PROVIDED PER THE REQUIREMENTS OF THE IBC AND REFERENCED STANDARDS.
2. REFER TO STRUCTURAL DRAWINGS FOR SPECIAL INSPECTION REQUIREMENTS OF STRUCTURAL SYSTEMS.
3. TESTING AND SPECIAL INSPECTION REPORTS PREPARED BY THE SPECIAL INSPECTOR SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, ARCHITECT, ENGINEER, AND OWNER ON A DAILY BASIS WHENEVER TESTING OR SPECIAL INSPECTIONS ARE PERFORMED.

SPECIAL INSPECTIONS AND TESTS

APPLICABLE TO PROJECT (Y/N)	SYSTEM	REFERENCE 2018 IBC, UNO	VERIFICATION AND INSPECTION	INSPECTION METHODS			NOTES AND EXCEPTIONS	TYPICAL DIVISIONS
				CONTINUOUS	TESTING	PERIODIC		
Y	WIND OR SEISMIC-RESISTING COMPONENTS	1704.4	CONTRACTORS STATEMENT OF RESPONSIBILITY FOR SPECIAL INSPECTION	NO	NO	YES	REQUIRED FOR EACH CONTRACTOR RESPONSIBLE FOR CONSTRUCTION OF WIND OR SEISMIC-RESISTING SYSTEMS OR COMPONENTS.	VARIOUS
N	EXTERIOR CLADDING AND VENEER	1705.12.5	ERECTION AND FASTENING	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F. EXCEPTIONS (REFERENCE 1705.11): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE. 2. CLADDING OR VENEER <5 PSF.	VARIOUS
N	EXTERIOR NON-LOAD BEARING PARTITIONS	1705.12.5	ERECTION AND FASTENING	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F. EXCEPTIONS (REFERENCE 1705.11): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE.	VARIOUS
N	INTERIOR VENEER	1705.12.5	ERECTION AND FASTENING	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F. EXCEPTIONS (REFERENCE 1705.11): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE. 2. VENEER <5 PSF.	VARIOUS
N	INTERIOR NON-LOAD BEARING PARTITIONS	1705.12.5	ERECTION AND FASTENING	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F. EXCEPTIONS (REFERENCE 1705.11.5): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE. 2. INTERIOR NON-LOAD BEARING WALLS <15 PSF.	VARIOUS
N	EIFS SYSTEMS	1705.16	INSTALLATION	NO	NO	YES	EXCEPTIONS (REFERENCE 1705.15): 1. EIFS SYSTEMS OVER WRB WITH DRAINAGE TO EXTERIOR. 2. EIFS SYSTEMS OVER MASONRY OR CONCRETE.	07
N	WATER-RESISTIVE BARRIER COATING IN EIFS SYSTEMS	1705.16.1	INSTALLATION	NO	NO	YES	REQUIRED FOR WATER-RESISTIVE BARRIER COATINGS COMPLY WITH ASTM E 2570 WHEN INSTALLED OVER A SHEATHING SUBSTRATE.	07-09
N	SPRAYED FIRE-RESISTANT MATERIALS	1705.14	INSTALLATION	NO	YES	YES	1. SURFACE PREPARATION INSPECTED PRIOR TO APPLICATION (1705.14.2). 2. INSPECTION AND TESTING AFTER ALL OTHER SYSTEM ROUGH-IN COMPLETED (1705.14). 3. CONDITION OF SUBSTRATES (1705.14.1(1)). 4. MEASURE THICKNESS (1705.14.1(2)). 5. DENSITY TESTING (1705.14.1(3)) 6. BOND STRENGTH TESTING (1705.14.1(4)). 7. CONDITION OF FINISHED APPLICATION (1705.14.1(5))	07
N	MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS	1705.15	INSPECTION	NO	YES	YES	INSPECTION PER AWCI 12-B	07-09
Y	FIRE-RESISTANT PENETRATIONS AND JOINTS	1705.17	INSPECTION	NO	NO	YES	REQUIRED FOR: 1. HIGH-RISE CONSTRUCTION (REFERENCE SECTION 403) 2. BUILDINGS OF RISK CATEGORY III OR IV PER TABLE 1604.5	07
N	GLAZING IN CURTAINWALLS AND STOREFRONT	ASCE 7-10 11.A.1.3.9 (3)	ERECTION	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F. EXCEPTIONS (REFERENCE ASCE 7-10 SECTION 11.A.1.3.9 (3): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE.	08
N	INTERIOR GLAZED PARTITION	ASCE 7-10 11.A.1.3.9 (3)	ERECTION	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F. EXCEPTIONS (REFERENCE ASCE 7-10 SECTION 11.A.1.3.9 (3): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE.	08
N	SUSPENDED CEILING GRIDS	ASCE 7-10 11.A.1.3.9 (2)	INSTALLATION	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F.	09
N	ACCESS FLOORING	1705.12.5.1	ANCHORAGE	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F.	10
N	STORAGE RACKS	1705.12.7	ANCHORAGE	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F FOR STORAGE RACKS GREATER THAN 8 FT IN HEIGHT.	10, 12
N	SEISMIC ISOLATION SYSTEMS AND ENERGY DISSIPATION...	1705.12.8	FABRICATION AND INSTALLATION	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE B, C, D, E OR F.	13
N	VIBRATION ISOLATION SYSTEMS	1705.12.6(5)	INSTALLATION AND ANCHORAGE	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE C, D, E OR F	VARIOUS
N	PIPING SYSTEMS AND MECHANICAL UNITS CARRYING HAZARDOUS MATERIALS	1705.12.6(3)	INSTALLATION AND ANCHORAGE	NO	NO	YES	SEISMIC ZONE C, D, E OR F.	22,23,40-48
N	DUCTWORK CARRYING...	1705.12.6(4)	INSTALLATION AND ANCHORAGE	NO	NO	YES	SEISMIC ZONE C, D, E OR F.	23, 40-48
N	SMOKE CONTROL SYSTEMS	1705.18	INSTALLATION AND TESTING	NO	YES	NO	1. PRIOR TO CONCEALMENT: DUCTWORK LEAKAGE TESTING AND RECORD DEVICE LOCATIONS 1705.18 (1) 2. PRIOR TO OCCUPANCY: PRESSURE, FLOW, DETECTION AND CONTROL TESTING 1705.18 (2)	21, 23, 25, 27, 28
Y	ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS	1705.12.6(1)	ANCHORAGE	NO	NO	YES	SEISMIC ZONE C, D, E OR F.	26, 48
Y	ELECTRICAL EQUIPMENT	1705.12.6(2)	ANCHORAGE	NO	NO	YES	SEISMIC ZONE E AND F	25, 26, 27 28
Y	BUILDING ENVELOPE AIR BARRIER	WSEC C402.5.1.2	AIR LEAKAGE RATE	NO	YES AT BLDG COMPLETION	NO	SEE C402.5.1.2.1 - C402.5.8 FOR REQUIREMENTS; IF TEST FAILS, FOLLOW WITH VISUAL INSPECTION,. SEAL LEAKS TO THE EXTENT PRACTICAL AND SUBMIT REPORT OF CORRECTIVE ACTION.	SEE AIR BARRIER SHEET

APPLICABLE CODES

SNOHOMISH COUNTY MUNICIPAL CODE
WASHINGTON STATE AMENDMENTS
2018 WASHINGTON STATE ENERGY CODE (WSEC)
2018 INTERNATIONAL BUILDING CODE (IBC)
2018 INTERNATIONAL MECHANICAL CODE (IMC)
2018 INTERNATIONAL FIRE CODE (IFC)
2018 UNIFORM PLUMBING CODE (UPC)
2018 INTERNATIONAL FUEL GAS CODE (IFGC)
2018 NATIONAL ELECTRICAL CODE (NEC)
2009 ICC A117.1 ACCESSIBILITY STANDARD

DEFERRED SUBMITTALS

MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER
SEE STRUCTURAL SHEET FOR ADDITIONAL DEFERRED SUBMITTAL ITEMS.

SEISMIC & RISK CATEGORY

SEISMIC ZONE D - SEE STRUCTURAL GENERAL NOTES
RISK CATEGORY IV - SEE STRUCTURAL GENERAL NOTES

FIRE DISTRICT

SNOHOMISH REGIONAL FIRE & RESCUE STATION 83
13717 DIVISION STREET
SNOHOMISH, WA 98290

ZONING CODE SUMMARY

ALLOWABLE USE
AGRICULTURAL 10-ACRE, RURAL 5-ACRE

SITE AREA
1.93 ACRES

BUILDING SETBACK REQUIREMENTS
FRONT - 50 FT MINIMUM
SIDE - 5 FT MINIMUM
REAR - 5 FT MINIMUM

PROPOSED BUILDING SETBACK
FRONT - 52' - 6" FT
SIDE - 48' - 4" FT
REAR - 136' FT
SEE SITE PLAN FOR MORE INFO

ALLOWABLE BUILDING HEIGHT
60 FT MAXIMUM

PROPOSED BUILDING HEIGHT
26'-6" FT (NO CHANGES TO EXISTING BUILDING HEIGHT)

PARKING REQUIREMENT
9 STALLS
SEE SITE PLAN FR MORE INFO. (NO CHANGES TO EXISTING PARKING STALLS)

BUILDING CODE SUMMARY

GENERAL BUILDING HEIGHTS AND AREAS (CHAPTER 5)
AREA OF BUILDING:
EXISTING: APPROXIMATELY 2,643 SF (NO CHANGE)

STORIES: 1+ MEZZANINE (NO CHANGE)
NON SEPARATED OCCUPANCIES (NO CHANGE)

TYPES OF CONSTRUCTION (CHAPTER 6)
TYE V-B (NO CHANGE)

FIRE PROTECTION SYSTEMS (CHAPTER 9)
THE EXISTING BUILDING IS FULLY SPRINKLERED. ALTERATIONS TO THE EXISTING SYSTEM SHALL BE SUBMITTED UNDER A DEFERRED SUBMITTAL.

MEANS OF EGRESS (CHAPTER 10)
OCCUPANT LOAD
EXISTING: 50 (NO CHANGE)

MAXIMUM EXISTING ACCESS TRAVEL DISTANCE: 250'-0" (NO CHANGE)

LIFE SAFETY
PROJECT PROPOSES NO CHANGES TO EXISTING LIFE SAFETY

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

CODE SUMMARY

SHEET #
A00.03

NOTES & LEGEND - LIFE SAFETY PLAN

1. PROVIDE EXIT SIGNAGE PER 2018 IBC 1009.9, 1009.10, 1009.11, AND 1013.
2. PROVIDE MEANS OF EGRESS ILLUMINATION PER 2018 IBC 1008.

ROOM NAME
100
[#]
ROOM TAG W/ OCCUPANT LOAD COUNT

45 MIN
DOOR FIRE RATING

FIRE PARTITION, 1-HOUR

FIRE BARRIER, 1-HOUR

EXIT SIGN

FIRE EXTINGUISHER

PATH OF EGRESS

123
EXIT ACCESS OCCUPANT LOAD

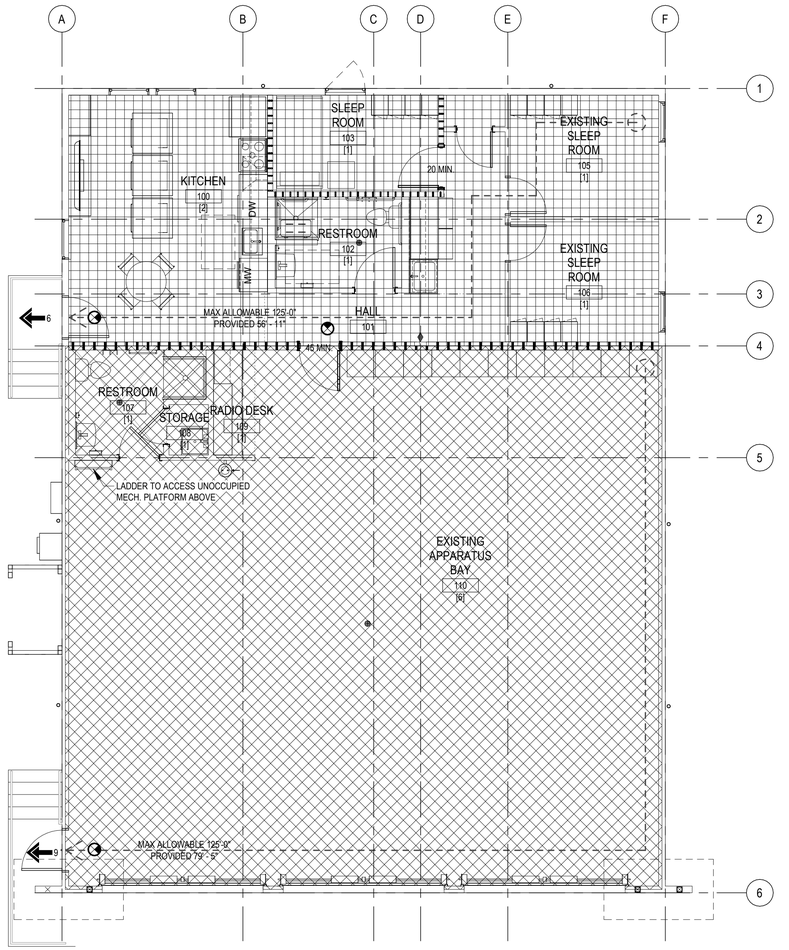
123
EXIT DISCHARGE OCCUPANT LOAD

R-2 (RESIDENTIAL)

S-2 (STORAGE)

OCCUPANT LOAD CHART BY ROOM

ROOM INFORMATION			OCCUPANCY	IBC 2015 TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT			OCCUPANT
NUMBER	NAME	AREA	CLASSIFICATION	FUNCTION OF SPACE	LOAD FACTOR	GROSS/ NET	LOAD
100	KITCHEN	288 SF	R-2	RESIDENTIAL	200 SF	GROSS	2
101	HALL	73 SF	R-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	
102	RESTROOM	72 SF	R-2	RESIDENTIAL	200 SF	GROSS	1
103	SLEEP ROOM	97 SF	R-2	RESIDENTIAL	200 SF	GROSS	1
104	HALL	81 SF		(none)			
104A	STORAGE	14 SF		(none)			
105	EXISTING SLEEP ROOM	109 SF	R-2	RESIDENTIAL	200 SF	GROSS	1
106	EXISTING SLEEP ROOM	109 SF	R-2	RESIDENTIAL	200 SF	GROSS	1
107	RESTROOM	73 SF	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
108	STORAGE	14 SF	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
109	RADIO DESK	27 SF	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
110	EXISTING APPARATUS BAY	1687 SF	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	6
TOTAL		2643 SF					15



1 LIFE SAFETY PLAN - LEVEL 1
3/16" = 1'-0"
0 4' 8' 16'

PLAN NORTH
TRUE NORTH

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

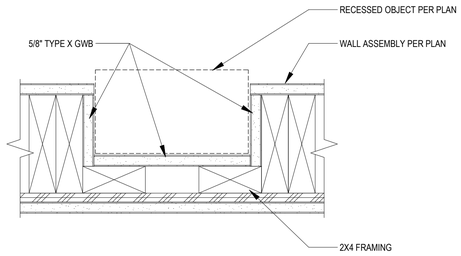
PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

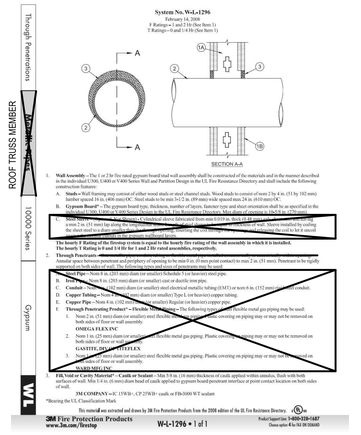
LIFE SAFETY PLAN - LEVEL 1

SHEET #
A01.01



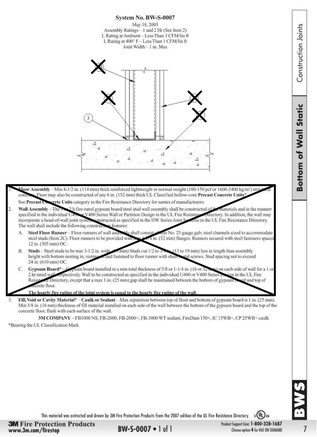
4 FIRE RATED WALL RECESS

3" = 1'-0"



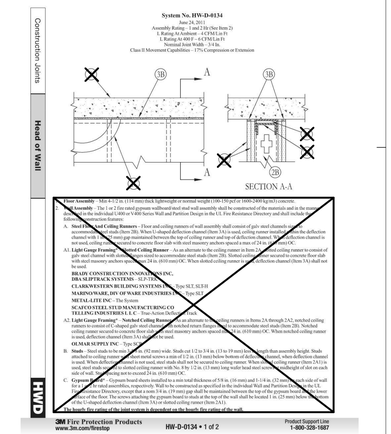
3 ROOF TRUSS PENETRATION

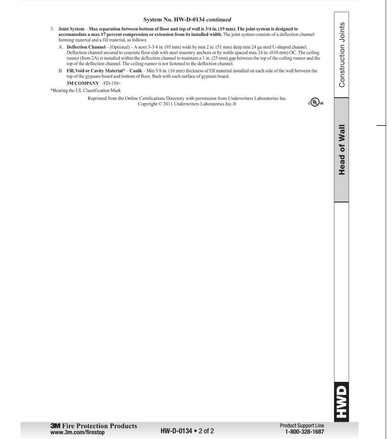
1" = 1'-0"



2 BOTTOM OF WALL

1" = 1'-0"





1 TOP OF WALL

1" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00

BID SET

ISSUE DATE JUNE 12, 2023

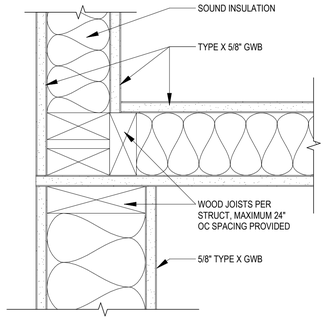
REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/22

AHU APPROVAL STAMP

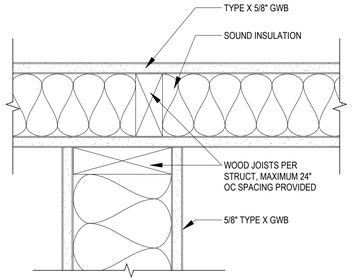
FIRESTOPPING JOINT DETAILS

SHEET #
A02.04



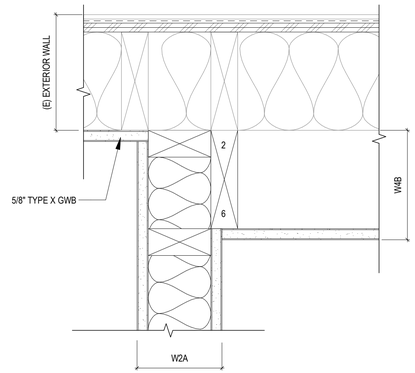
6 PLAN DETAIL - SLEEP ROOM/RESTROOM

3" = 1'-0"



7 PLAN DETAIL - SLEEP ROOM

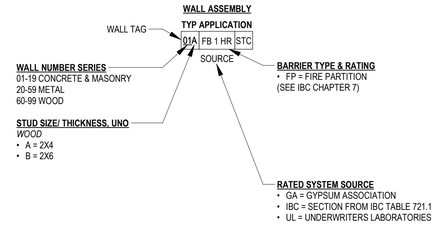
3" = 1'-0"

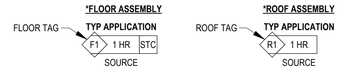


8 PLAN DETAIL - SLEEP ROOM/HALLWAY

3" = 1'-0"

NOTES & LEGEND - RATED ASSEMBLIES





*SEE WALL ASSEMBLY LEGEND FOR SIMILAR CALLOUTS

RATED ASSEBLIES

TERMINATE FIRE RATED ASSEMBLIES AS DESCRIBED BELOW:

FIRE BARRIERS PER IBC 707

VERTICAL OPTIONS:

1. FROM TOP OF FOUNDATION OR HORIZONTAL ASSEMBLY BELOW; TERMINATE AT UNDERSIDE OF STRUCTURAL DECK ABOVE AND SECURELY ATTACHED THERETO.

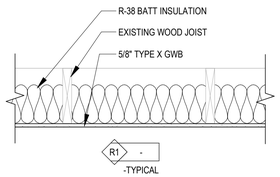
FIRE PARTITIONS PER IBC 708

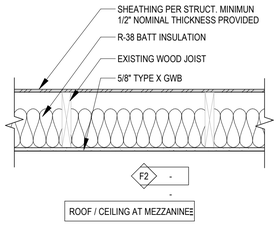
FROM TOP OF FOUNDATION OR HORIZONTAL ASSEMBLY BELOW; TERMINATE AT UNDERSIDE OF STRUCTURAL DECK OR TO FIRE RATED HORIZONTAL ASSEMBLY ABOVE AND SECURELY ATTACHED THERETO. IN COMBUSTIBLE CONSTRUCTION, THE SPACE WITHIN THE FIRE RATED CEILING AND DECK ABOVE SHALL BE FIREBLOCKED OR DRAFTSTOPPED AT THE PARTITION LINE.

FIREBLOCKING PER IBC 718.2

FIREBLOCKING MATERIALS (I.E. 2X LUMBER, 1/2" GYPSUM BOARD, SECURED BATT INSULATION AND OTHER MATERIALS LISTED IN IBC 718.2.1) SHALL BE INSTALLED IN COMBUSTIBLE CONCEALED SPACES TO FORM AN EFFECTIVE BARRIER BETWEEN FLOORS AND BETWEEN TOP STORY AND ROOF ATTICS. THE FOLLOWING ARE THE MINIMUM REQUIRED LOCATIONS:

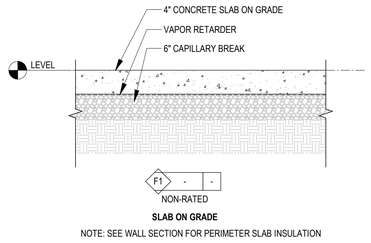
1. CONCEALED WALL SPACES
   A. VERTICALLY AT THE CEILING AND FLOOR LEVELS
   B. HORIZONTALLY AT 10 FT MAXIMUM INTERVALS
2. CONNECTIONS BETWEEN HORIZONTAL AND VERTICAL SPACES
3. CONCEALED SPACES AT THE TOP AND BOTTOM OF THE RUN OF STAIR STRINGERS
4. ANNULAR SPACE AROUND PENETRATING COMPONENTS IN CEILING AND FLOOR OPENINGS
5. CONCEALED SPACES OF EXTERIOR COMBUSTIBLE WALL COVERINGS AT MAXIMUM 20 FT INTERVALS IN EITHER DIRECTION AND MAXIMUM 100 SF BETWEEN FIREBLOCKING. (SEE IBC 718.2.6 FOR EXCEPTIONS)
6. CONCEALED SLEEPER SPACES AT MAXIMUM 100 SF





3 FLOOR-CEILING TYPES

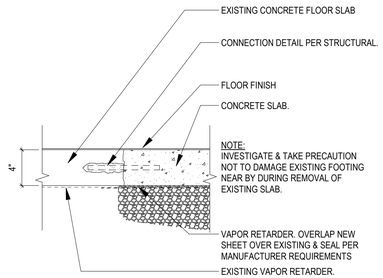
NTS



NOTE: SEE WALL SECTION FOR PERIMETER SLAB INSULATION

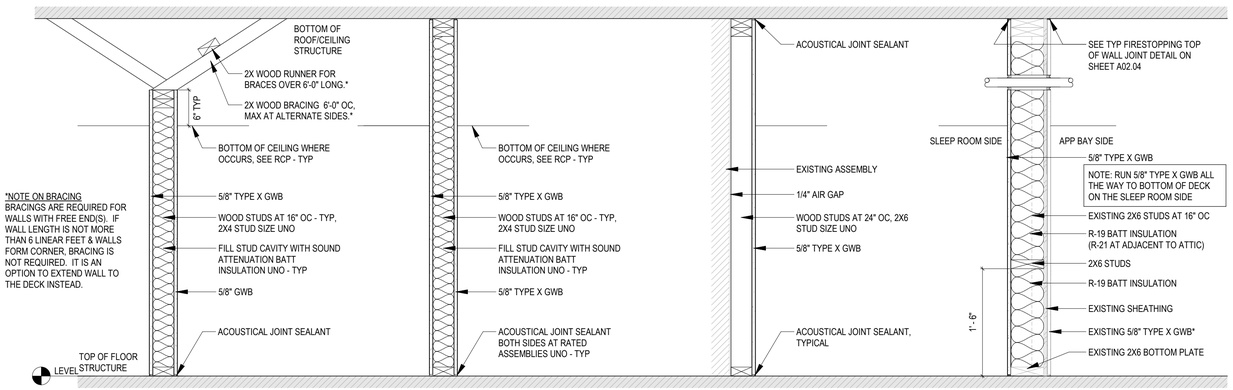
4 FLOOR TYPE

NTS



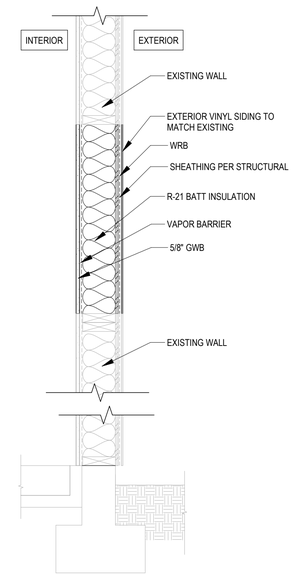
5 FLOOR PATCH DETAIL

1 1/2" = 1'-0"



1 INTERIOR PARTITIONS

NTS



2 WINDOW/LOUVER INFILL AT EXT.

1" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT GUNNAR R. GLADICS STATE OF WASHINGTON

STATION 83

SNOHOMISH REGIONAL FIRE & RESCUE

13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

ASSEMBLY TYPES - WOOD

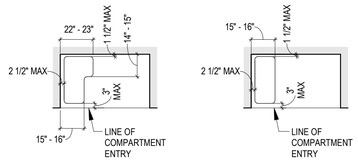
SHEET #

A03.01

NOTES - ACCESIBILITY DETAILS

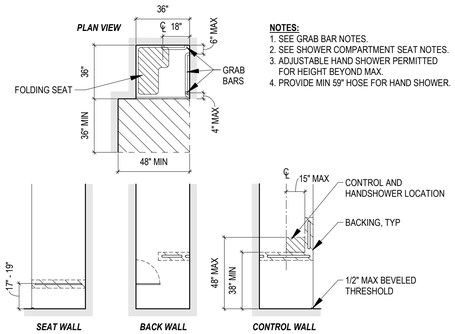
1. ACCESSIBILITY REQUIREMENTS ARE BASED ON THE FOLLOWING CODE EDITIONS:
   - 2009 ICC A117.1
   - 2018 IBC
   - 2018 WAC 51-50
2. INFORMATION ON THIS SHEET ARE GENERIC REQUIREMENTS. REFER TO PROJECT FLOOR PLANS AND INTERIOR ELEVATIONS FOR ACTUAL LAYOUT AND DIMENSIONS.
3. DIMENSIONS ARE CLEAR FROM FINISH TO FINISH, UNLESS NOTED OTHERWISE.

NOTES:
1. REFER TO FLOOR PLANS FOR SHOWER COMPARTMENT SIZE.



L-SHAPED SEAT **REGULAR SEAT**

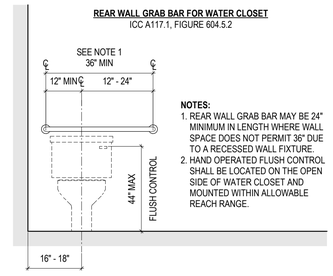
7 SHOWER COMPARTMENT SEAT



NOTES:
1. SEE GRAB BAR NOTES.
2. SEE SHOWER COMPARTMENT SEAT NOTES.
3. ADJUSTABLE HAND SHOWER PERMITTED FOR HEIGHT BEYOND MAX.
4. PROVIDE MIN 59" HOSE FOR HAND SHOWER.

6 TRANSFER TYPE SHOWER

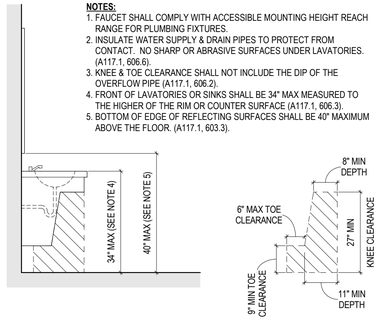
REAR WALL GRAB BAR FOR WATER CLOSET
ICC A117.1, FIGURE 604.5.2



NOTES:
1. REAR WALL GRAB BAR MAY BE 24" MINIMUM IN LENGTH WHERE WALL SPACE DOES NOT PERMIT 36" DUE TO A RECESSED WALL FIXTURE.
2. HAND OPERATED FLUSH CONTROL SHALL BE LOCATED ON THE OPEN SIDE OF WATER CLOSET AND MOUNTED WITHIN ALLOWABLE REACH RANGE.

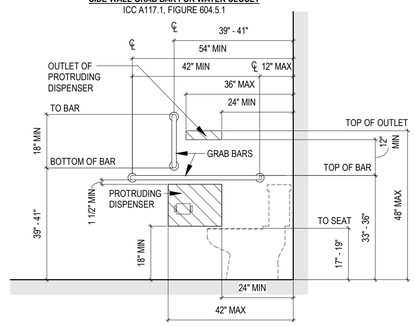
3 WATER CLOSET REAR WALL

NOTES:
1. FAUCET SHALL COMPLY WITH ACCESSIBLE MOUNTING HEIGHT REACH RANGE FOR PLUMBING FIXTURES.
2. INSULATE WATER SUPPLY & DRAIN PIPES TO PROTECT FROM CONTACT. NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES. (A117.1, 606.6).
3. KNEE & TOE CLEARANCE SHALL NOT INCLUDE THE DIP OF THE OVERFLOW PIPE (A117.1, 606.2).
4. FRONT OF LAVATORIES OR SINKS SHALL BE 34" MAX MEASURED TO THE HIGHER OF THE RIM OR COUNTER SURFACE (A117.1, 606.3).
5. BOTTOM OF EDGE OF REFLECTING SURFACES SHALL BE 40" MAXIMUM ABOVE THE FLOOR. (A117.1, 603.3).



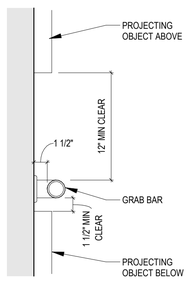
5 LAVATORY CLEARANCES

SIDE WALL GRAB BAR FOR WATER CLOSET
ICC A117.1, FIGURE 604.5.1



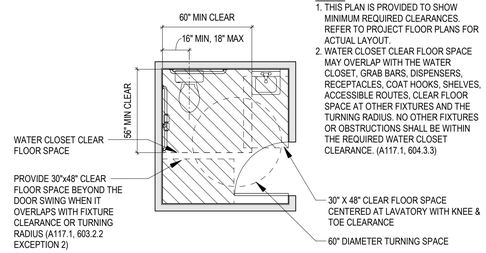
2 WATER CLOSET SIDE WALL

GRAB BARS
ICC A117.1, SECTION 609



NOTES:
1. GRAB BARS SHALL HAVE A MINIMUM 1 1/4" TO MAXIMUM 2" OUTSIDE DIAMETER, OR 4" TO 4.8" PERIMETER IF NONCIRCULAR.
2. GRAB BARS SHALL RESIST A SINGLE CONCENTRATED LOAD OF 250 LBS APPLIED IN ANY DIRECTION AT ANY POINT.
3. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
4. GRAB BARS AND ADJACENT SUFACES SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS.
5. GRAB BAR EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".
6. RECESSED DISPENSERS PROJECTING 1/4" MAXIMUM SHALL BE PERMITTED WITHIN THE REQUIRED CLEAR SPACES ABOVE AND BELOW THE GRAB BAR.

4 GRAB BAR CROSS SECTION



NOTES:
1. THIS PLAN IS PROVIDED TO SHOW MINIMUM REQUIRED CLEARANCES. REFER TO PROJECT FLOOR PLANS FOR ACTUAL LAYOUT.
2. WATER CLOSET CLEAR FLOOR SPACE MAY OVERLAP WITH THE WATER CLOSET, GRAB BARS, DISPENSERS, RECEPTACLES, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AT OTHER FIXTURES AND THE TURNING RADIUS. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE. (A117.1, 604.3.3)

1 RESTROOM CLEARANCES

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

AHJ APPROVAL STAMP

ACCESSIBILITY DETAILS - PLUMBING

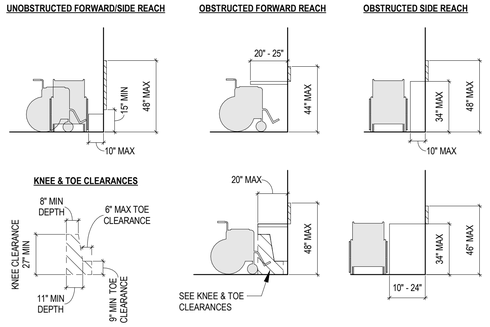
SHEET #
A04.01

NOTES - ACCESIBILITY DETAILS

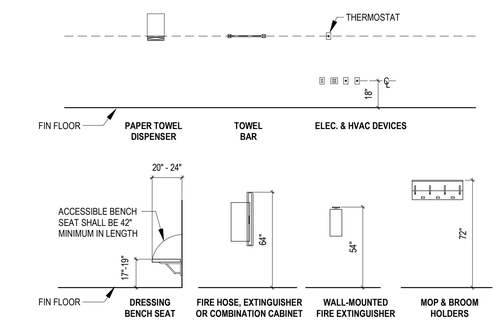
1. ACCESSIBILITY REQUIREMENTS ARE BASED ON THE FOLLOWING CODE EDITIONS:
   - 2009 ICC A117.1
   - 2018 IBC
   - 2018 WAC 51-50
2. INFORMATION ON THIS SHEET ARE GENERIC REQUIREMENTS. REFER TO PROJECT FLOOR PLANS AND INTERIOR ELEVATIONS FOR ACTUAL LAYOUT AND DIMENSIONS.
3. DIMENSIONS ARE CLEAR FROM FINISH TO FINISH, UNLESS NOTED OTHERWISE.

NOTES:
THE FOLLOWING SHALL BE MOUNTED WITHIN AN ACCESSIBLE REACH RANGE PER ICC A117.1, 308:

ACCESSIBLE SPACES WITHIN 'TYPE A' DWELLING UNITS:
1. LIGHTING CONTROLS
2. ELECTRICAL PANELBOARDS, SWITCHES AND ELECTRICAL OUTLET
3. ENVIRONMENTAL CONTROLS
4. APPLIANCE CONTROLS
5. OPERABLE WINDOW HARDWARE
6. PLUMBING FIXTURES
7. USER CONTROLS FOR SECRITY OR INTERCOM SYSTEMS



3 MOUNTING HEIGHTS & OPERABLE PARTS



15 MOUNTING HEIGHTS OF MISCELLANEOUS ACCESSORIES

1/4" = 1'-0"

NOTES:
1. DOORWAYS INCLUDING HINGED DOORS, SLIDING DOORS, AND FOLDING DOORS SHALL HAVE A CLEAR OPENING WIDTH OF 32" MINIMUM MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP.
2. AUTOMATIC DOORS - SHALL COMPLY WITH BHMA A156.10. SLOWLY OPENING, LOW POWERED AUTOMATIC DOORS SHALL COMPLY WITH BHMA A156.19. POWER ASSISTED DOORS SHALL COMPLY WITH BHMA A156.19.
3. THERE SHALL BE A FLOOR OR LANDING ON EACH SIDE OF A DOOR. THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN ONE UNIT VERTICAL TO 2 UNITS HORIZONTAL. (SEE CHANGES IN LEVEL DETAILS). CHANGE IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP.
4. IF A DOOR HAS A CLOSER, THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
5. BOTTOM 10" OF DOOR SURFACES, EXCEPT AUTOMATIC AND SLIDING DOORS, SHALL BE SMOOTH, UNINTERRUPTED, AND EXTEND THE FULL WIDTH OF DOOR. THE 10" SMOOTH SURFACE RULE DOES NOT APPLY TO TEMPERED GLASS DOORS WHICH HAVE A BOTTOM RAIL OR SHOE WITH THE TOP LEADING EDGE TAPERED AT NO LESS THAN 60 DEGREES FROM THE HORIZONTAL.
6. DOORS AND SIDE-LITES ADJACENT TO DOORS CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE PANEL ON EITHER THE DOOR OR AN ADJACENT SIDE-LIGHT 43 INCHES MAXIMUM ABOVE THE FLOOR. THIS DOES NOT APPLY WHEN THE LOWEST PART OF THE VISION LITE IS MORE THAN 66 INCHES ABOVE THE FLOOR.
7. MAXIMUM EFFORT TO OPERATE DOORS SHALL BE 5 LBF FOR EXTERIOR AND INTERIOR DOORS. MAXIMUM EFFORT TO OPERATE A FIRE DOOR SHALL BE 15 LBF. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE MAXIMUM OPENING FORCE REQUIREMENT.

* IF BOTH CLOSER AND LATCH ARE PROVIDED

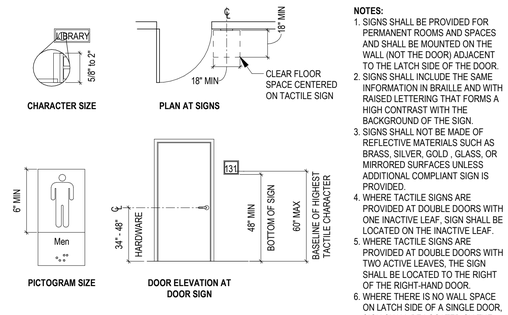
** 48" MINIMUM IF BOTH CLOSER AND LATCH ARE PROVIDED

*** 48" MINIMUM IF CLOSER IS PROVIDED

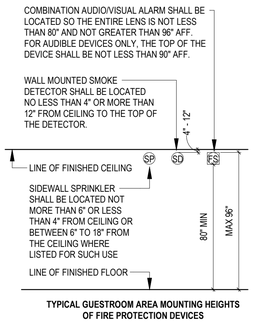
**** 54" MINIMUM IF CLOSER IS PROVIDED

5 MANEUVERING CLEARANCES AT DOORS

8 SIGNAGE



NOTES:
1. SIGNS SHALL BE PROVIDED FOR PERMANENT ROOMS AND SPACES AND SHALL BE MOUNTED ON THE WALL (NOT THE DOOR) ADJACENT TO THE LATCH SIDE OF THE DOOR.
2. SIGNS SHALL INCLUDE THE SAME INFORMATION IN BRAILLE AND WITH RAISED LETTERING THAT FORMS A HIGH CONTRAST WITH THE BACKGROUND OF THE SIGN.
3. SIGNS SHALL NOT BE MADE OF REFLECTIVE MATERIALS SUCH AS BRASS, SILVER, GOLD , GLASS, OR MIRRORED SURFACES UNLESS ADDITIONAL COMPLIANT SIGN IS PROVIDED.
4. WHERE TACTILE SIGNS ARE PROVIDED AT DOUBLE DOORS WITH ONE INACTIVE LEAF, SIGN SHALL BE LOCATED ON THE INACTIVE LEAF.
5. WHERE TACTILE SIGNS ARE PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES. THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT-HAND DOOR.
6. WHERE THERE IS NO WALL SPACE ON LATCH SIDE OF A SINGLE DOOR, SIGN SHALL BE LOCATED ON THE NEAREST ADJACENT WALL.



RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00

BID SET

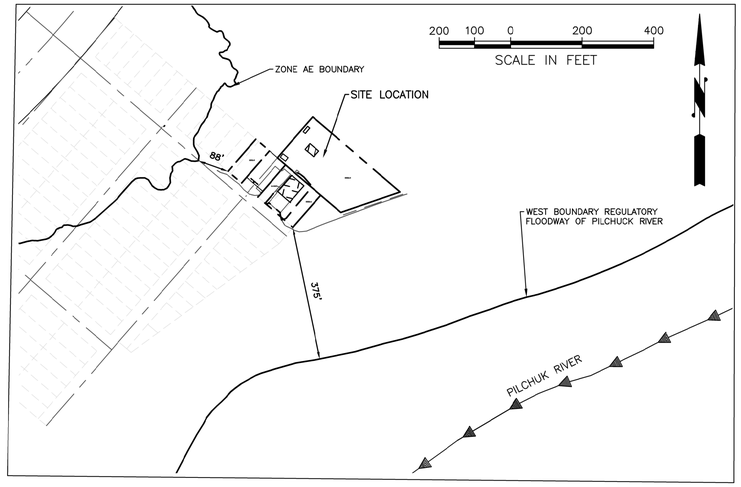
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

ACCESSIBILITY DETAILS - GENERAL

SHEET #
A04.03



FLOOD HAZARD BOUNDARY MAP

OWNER:
SNOHOMISH REGIONAL FIRE & RESCUE
JAMIE SILVA, ASST. CHIEF
953 VILLAGE WAY,
MONROE, WA 98272
PHONE: (360) 764-7666

PARCEL NO:
29062100301800

ADDRESS:
13717 DIVISION ST,
SNOHOMISH, WA 98290

SURVEY NOTES:

1. DRAINFIELD LOCATION PER 1989 AS-BUIILT ON FILE WITH SNOHOMISH HEALTH DISTRICT.
2. ZONE AE BOUNDARY AND REGULATORY FLOODWAY SHOWN PER THE NATIONAL FLOOD HAZARD LAYER, PRODUCT ID NFHL_53061C.

LEGAL DESCRIPTION:

(PER FIRST AMERICAN TITLE INSURANCE COMPANY TITLE REPORT DATED SEPTEMBER 01, 2022, GUARANTEE NUMBER 3994221)
THE LAND IN THE COUNTY OF SNOHOMISH, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

PARCEL A:

LOTS 1, 2 AND 3, BLOCK 1, VACATED PLAT OF MACHIAS, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 2 OF PLATS, PAGE 27, RECORDS OF SNOHOMISH COUNTY, WASHINGTON.

PARCEL B:

THAT PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 21, TOWNSHIP 29 NORTH, RANGE 6 EAST, W.M., RECORDS OF SNOHOMISH COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF BLOCK 1 OF VACATED PLAT OF MACHIAS, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 2 OF PLATS, PAGE 27, RECORDS OF SAID SNOHOMISH COUNTY;
THENCE SOUTH 50°20' EAST 213.9 FEET ALONG THE NORTH BOUNDARY LINE OF SAID BLOCK 1 TO
ITS INTERSECTION WITH THE WEST BOUNDARY LINE OF COUNTY ROAD;
THENCE NORTH 69°40' EAST 174.9 FEET ALONG SAID COUNTY ROAD;
THENCE NORTH 50°20' WEST 331.4 FEET;
THENCE SOUTH 39°40' WEST 151.4 FEET TO THE INTERSECTION WITH THE CENTER OF FLORENCE STREET AT ITS INTERSECTION WITH THE NORTH BOUNDARY OF THE PLAT OF MACHIAS;
THENCE SOUTH 50°20' EAST TO THE PLACE OF BEGINNING;
EXCEPT THAT PORTION DEEDED TO SNOHOMISH COUNTY BY STATUTORY WARRANTY DEED RECORDED UNDER RECORDING NO. 8907260021.

PARCEL C:

VACATED LOT 1 AND THE SOUTHEASTERLY 10 FEET OF VACATED LOT 2, BLOCK 5, PLAT OF MACHIAS, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 2 OF PLATS, PAGE 27, RECORDS OF SNOHOMISH COUNTY, WASHINGTON.

HORIZONTAL DATUM:

NAD83/11, WA STATE PLANE, N ZONE COORDINATES ESTABLISHED THROUGH GPS RTK OBSERVATIONS VIA THE WASHINGTON STATE REFERENCE NETWORK

VERTICAL DATUM:

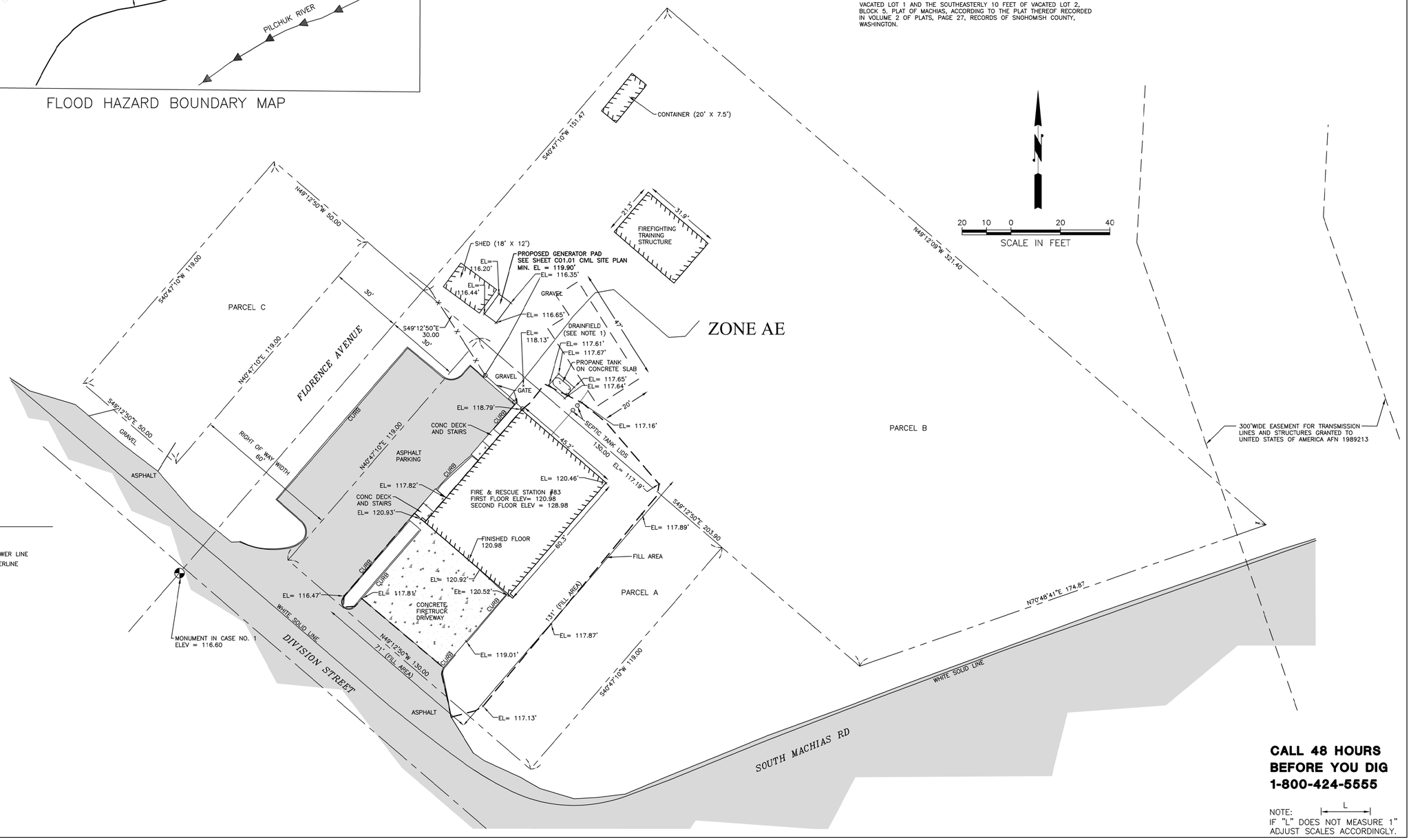
NAVD88
ELEVATIONS ESTABLISHED THROUGH GPS RTK OBSERVATIONS VIA THE WASHINGTON STATE REFERENCE NETWORK.

PROJECT BENCHMARK:
MONUMENT NO. 1
MONUMENT IN CASE 0.1'SOUTHWEST FROM CENTERLINE OF DIVISION STREET.
ELEV = 116.60'

SPECIAL FLOOD HAZARD INFORMATION:

THIS SITE IS LOCATED WITHIN FLOOD AE PER FEMA FIRM PANEL 53061C1060F FOR SNOHOMISH COUNTY, WA DATED JUNE 19, 2020
BASE FLOOD ELEVATION WAS CALCULATED PER FLOOD PROFILE FOR PILCHUCK RIVER, PANEL 48P, FLOOD INSURANCE STUDY NUMBER 53061CV003B REVISED JUNE 19, 2020

BASE FLOOD ELEVATION = 118.9' (NAVD88)



LEGEND

- BUILDING LINE
- X — CHAINLINK FENCE
- SS* — RECORD SANITARY SEWER LINE
- RIGHT-OF-WAY CENTERLINE
- PROPERTY LINE
- FILL AREA
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT

11/1/2022

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

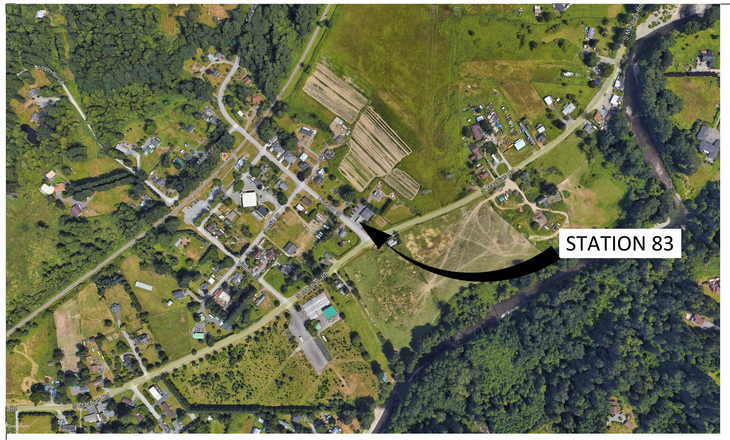
NOTE: L
IF "L" DOES NOT MEASURE 1" ADJUST SCALES ACCORDINGLY.

NO	DATE	BY	REVISION

Reid Middleton
728 134th Street SW · Suite 200
Everett, Washington 98204
Ph: 425 741-3800

SITE PLAN
SNOHOMISH REGIONAL FIRE AND RESCUE
FIRE & RESCUE STATION #83
SNOHOMISH COUNTY, WA

SCALE	1"=20'
DES.	SHEET NO.
DR. IW	C01.00
CH. RMA	
F.B. --	
DATE	10/19/2022
FILE NO.	222022.008



VICINITY MAP

OWNER

SNOHOMISH REGIONAL FIRE & RESCUE

JAMIE SILVA, ASST. CHIEF
953 VILLAGE WAY
MONROE, WA 98272
PHONE: (360) 764 -7666

PROJECT ENGINEER

MacKay Sposito

33810 WEYERHAEUSER WAY SOUTH, SUITE 130
FEDERAL WAY, WA 98001
PHONE (509) 374-4248
www.mackaysposito.com

PARCEL LEGAL DESCRIPTION

SEC 21 TWP 29 RGE 06 BEG NW COR BLK 1 MACHIAS TH S50°20'00"E 213.9-FT ALG N BDY LN SD BLK 1 TO ITS INT WITH W BDY LN CO RD TH N69°40'00"E 174.9-FT ALG SD CO RD TH N50°20'00"W 331.4-FT TH S39°40'00" W 151.4-FT TO INT C/L OF FLORENCE ST AT INT WITH N BDY OF PLAT OF MACHIAS TH S50°20'00"E TO POB & TGW LOTS 1,2,3, IN BLK 1 VAC PLAT OF MACHIAS & TGW LOT 1 & SE 10-FT OF LOT 2 IN BLK 5 SD VAC PLAT OF MACHIAS

SITE DATA

PARCEL AREA 1.69 AC

EARTHWORK QUANTITIES

CUT/FILL: <100 CY

DISTURBED AREA: 1,430 SF (0.033 AC)

PARCEL NUMBER

29062100301800

ZONING

RURAL 5-ACRE (R-5) / AGRICULTURE 10-ACRE (A-10)

SURVEY

THIS PLAN WAS PREPARED WITHOUT A BOUNDARY OR TOPOGRAPHIC SURVEY. IT IS NOT DATUM REFERENCED.

FINISHED FLOOR AND SURROUNDING ELEVATIONS ARE BASED ON AS-BUILT SITE PLAN FOR SNOHOMISH COUNTY FIRE PROTECTION DISTRICT NO. 8 BY DOUGLAS LANDSEM ARCHITECT, DATED 11/16/88.

APPROXIMATE FLOODWAY FRINGE AREA BASED ON INFORMATION SHOWN ON SURVEY FOR SNO911 MACHIAS FIREHOUSE BY LDC CORP, DATED JUNE 19, 2019.

NGVD 29 TO NAVD 88 DATUM ADJUSTMENT FOR SNOHOMISH COUNTY RANGES FROM +3.60 TO +3.90 AVERAGE ADJUSTMENT OF +3.75 USED.

SPECIAL FLOOD HAZARD INFORMATION

THE SITE IS LOCATED WITHIN FLOOD ZONE AE PER FEMA FIRM PANEL 53061C 1060F FOR SNOHOMISH COUNTY, WA, DATED JUNE 19, 2020.

BASE FLOOD ELEVATION +/- 118.9 BASED ON REVIEW OF THE FIRM PANEL.

THE ENGINEER MAKES NO ASSERTION AS TO THE ESTABLISHMENT OF BASE FLOOD ELEVATION.

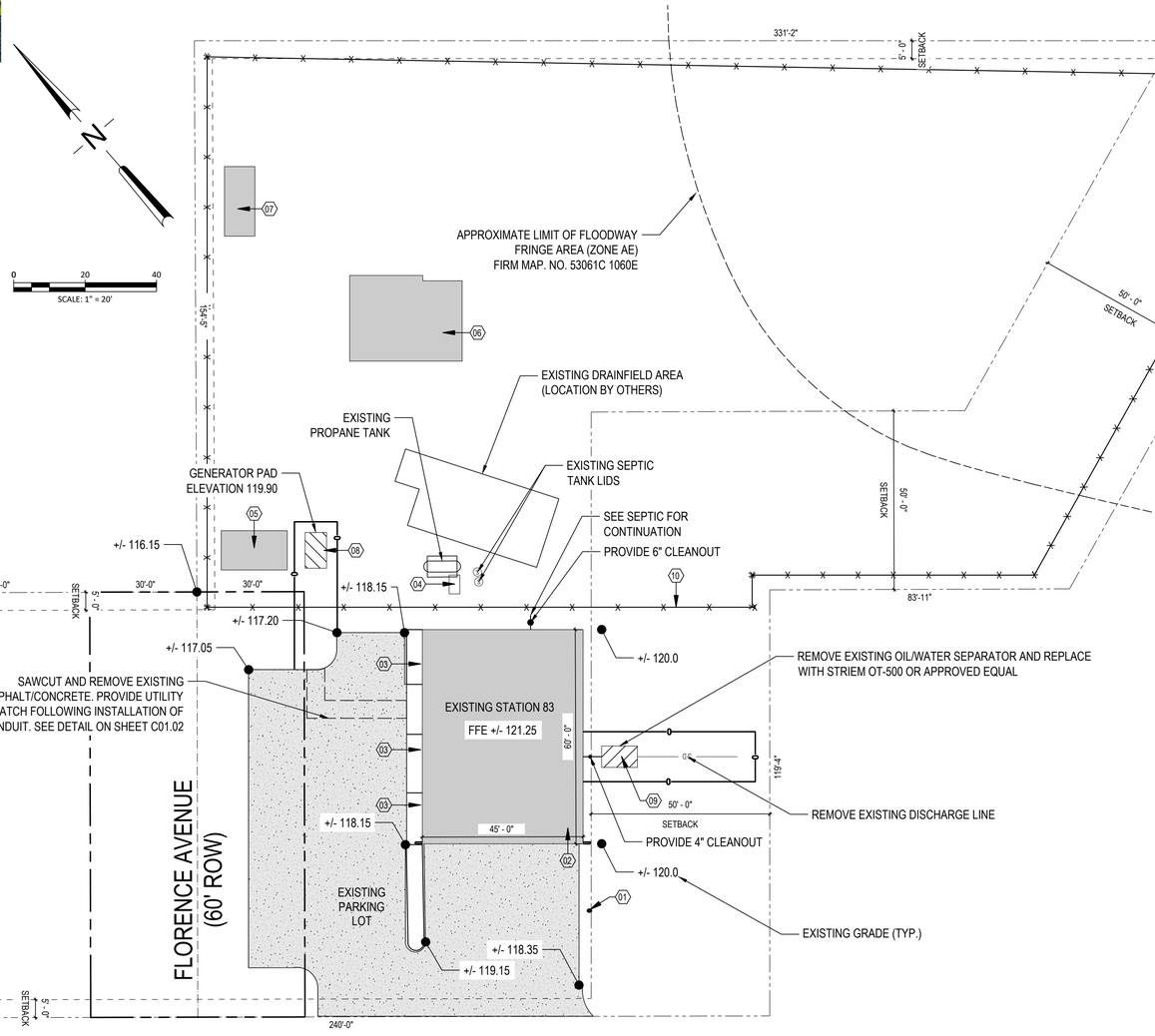
KEY NOTES - SITE PLAN

#	NOTE DESCRIPTION
01	EXISTING FIRE HYDRANT
02	EXISTING FDC
03	EXISTING PLANTERS
04	EXISTING SEPTIC TANK
05	EXISTING SHED
06	EXISTING TRAINING TOWER
07	EXISTING STORAGE
08	NEW LOCATION GENERATOR
09	EXISTING LOCATION OF OIL / WATER SEPARATOR
10	EXISTING FENCE

NOTES & LEGEND - SITE PLAN

1. REFERENCE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

EXISTING LANDSCAPING
EXISTING DRIVEWAY
EXISTING STRUCTURE
SITE EQUIPMENT
FENCING
PROPERTY LINE
PROPERTY SETBACK
BUILDING OUTLINE
SILT FENCE
SAWCUT



275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

MacKay Sposito
ENERGY PUBLIC WORKS LAND DEVELOPMENT
www.mackaysposito.com

ERIC L PILCHER
STATE OF WASHINGTON
43952
REGISTERED
PROFESSIONAL ENGINEER
06/08/2023

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/2022

CIVIL SITE PLAN

SHEET #
C01.01

CALL 811
2 BUSINESS DAYS BEFORE YOU DIG
811
"It's the Law"
www.callbeforeyoudig.com

DATE/ TIME PRINTED: 8/25/2021 5:43:21 PM
BIM 360://Snohomish FD 7 Station 83/2020056 Snohomish FD 7 Station 83 - 2020.rvt

STANDARD EROSION AND SEDIMENT CONTROL NOTES

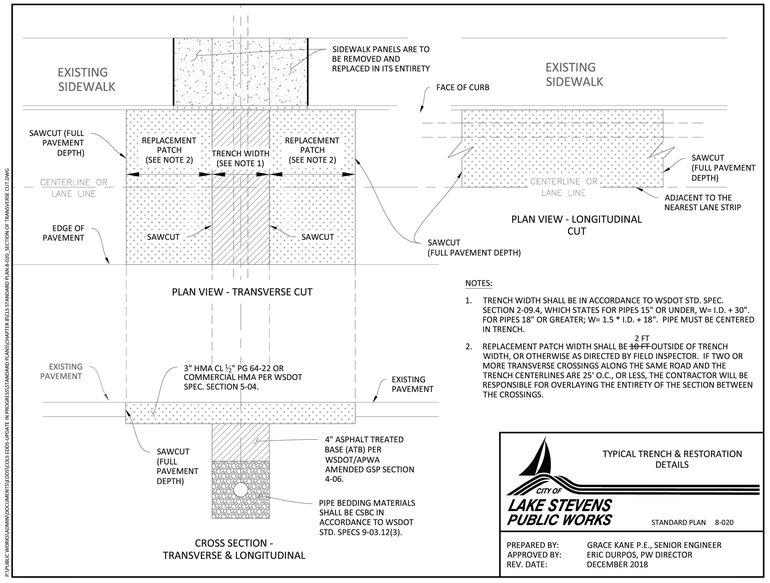
1. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES).
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
7. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT.
8. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

SILT FENCE NOTES

1. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SILT FENCES AT THE LOCATIONS SHOWN IN THE PLANS.
2. THE SILT FENCES SHALL BE CONSTRUCTED IN THE AREAS OF CLEARING, GRADING, OR DRAINAGE PRIOR TO STARTING THOSE ACTIVITIES.
3. THE MINIMUM HEIGHT OF THE TOP OF SILT FENCE SHALL BE 2 FEET AND THE MAXIMUM HEIGHT SHALL BE 2½ FEET ABOVE THE ORIGINAL GROUND SURFACE.
4. THE FILTER FABRIC SHALL BE SEWN TOGETHER AT THE POINT OF MANUFACTURE, OR AT AN APPROVED LOCATION AS DETERMINED BY THE ENGINEER, TO FORM GEOTEXTILE LENGTHS AS REQUIRED. ALL SEWN SEAMS SHALL BE LOCATED AT A SUPPORT POST. ALTERNATIVELY, TWO SECTIONS OF SILT FENCE CAN BE OVERLAPPED, PROVIDED THE CONTRACTOR DEMONSTRATES TO THE SATISFACTION OF THE ENGINEER THAT THE OVERLAP IS LONG ENOUGH AND THAT THE ADJACENT FENCE SECTIONS ARE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP.
5. THE FILTER FABRIC SHALL BE ATTACHED ON THE UP-SLOPE SIDE OF THE POSTS AND SUPPORT SYSTEM WITH STAPLES, WIRE, OR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE FILTER FABRIC SHALL BE ATTACHED TO THE POSTS IN A MANNER THAT REDUCES THE POTENTIAL FOR TEARING AT THE STAPLES, WIRE, OR OTHER CONNECTION DEVICE.
6. SUPPORT THE FILTER FABRIC WITH WIRE OR PLASTIC MESH, DEPENDENT ON THE PROPERTIES OF THE FILTER FABRIC SELECTED FOR USE. IF WIRE OR PLASTIC MESH IS USED, THE MESH SHALL BE FASTENED SECURELY TO THE UP-SLOPE OF THE POSTS WITH THE FILTER FABRIC UPSLOPE OF THE MESH.
7. MESH SUPPORT, IF USED, SHALL CONSIST OF STEEL WIRE WITH A MAXIMUM MESH SPACING OF 2 INCHES, OR A PREFABRICATED POLYMERIC MESH. THE GRAB TENSILE STRENGTH OF THE MESH SHALL BE AT LEAST 180 LBS. POLYMERIC MESH MUST HAVE EQUIVALENT RESISTANCE TO ULTRAVIOLET RADIATION AS THE FILTER FABRIC USED.
8. THE FILTER FABRIC AT THE BOTTOM OF THE FENCE SHALL BE BURIED IN A TRENCH TO A MINIMUM DEPTH OF 4 INCHES BELOW THE GROUND SURFACE. THE TRENCH SHALL BE BACKFILLED AND THE SOIL TAMPED IN PLACE OVER THE BURIED PORTION OF THE GEOTEXTILE, SUCH THAT NO FLOW CAN PASS BENEATH THE FENCE AND SCOURING CANNOT OCCUR. IF WIRE OR POLYMERIC BACK-UP SUPPORT MESH IS USED, THE WIRE OR POLYMERIC MESH SHALL EXTEND INTO THE TRENCH A MINIMUM OF 3 INCHES.
9. FENCE POSTS SHALL BE PLACED OR DRIVEN A MINIMUM OF 18 INCHES, PROVIDED THAT A MINIMUM DEPTH OF 12 INCHES IS ALLOWED IF TOPSOIL OR OTHER SOFT SUBGRADE SOIL IS NOT PRESENT AND A MINIMUM DEPTH OF 18 INCHES CANNOT BE REACHED. FENCE POST DEPTHS SHALL BE INCREASED BY 6 INCHES IF THE FENCE IS LOCATED ON SLOPES OF 3H:1V OR STEEPER AND THE SLOPE IS PERPENDICULAR TO THE FENCE. IF REQUIRED POST DEPTHS CANNOT BE OBTAINED, THE POSTS SHALL BE ADEQUATELY SECURED BY BRACING OR GUYING TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT LOADING.
10. SILT FENCES SHALL BE LOCATED ON CONTOUR AS MUCH AS POSSIBLE, EXCEPT AT THE ENDS OF THE FENCE, WHERE THE FENCE SHALL BE TURNED UPHILL SUCH THAT THE SILT FENCE CAPTURES THE RUNOFF WATER AND PREVENTS WATER FROM FLOWING AROUND THE END OF THE FENCE.
11. IF THE FENCE MUST CROSS CONTOURS, WITH THE EXCEPTION OF THE ENDS OF THE FENCE, A GRAVEL CHECK DAM PLACED PERPENDICULAR TO THE BACK OF THE FENCE SHALL BE USED TO MINIMIZE CONCENTRATED FLOW AND EROSION ALONG THE BACK OF THE FENCE. THE GRAVEL CHECK DAM SHALL BE APPROXIMATELY 1-FOOT DEEP AT THE BACK OF THE FENCE. THE DAM SHALL BE CONTINUED PERPENDICULAR TO THE FENCE AT THE SAME ELEVATION UNTIL THE TOP OF THE DAM INTERCEPTS THE GROUND SURFACE BEHIND THE FENCE. GRAVEL CHECK DAMS SHALL CONSIST OF CRUSHED SURFACING BASE COURSE, GRAVEL BACKFILL FOR WALLS, OR SHOULDER BALLAST. GRAVEL CHECK DAMS SHALL BE LOCATED EVERY 10 FEET ALONG THE FENCE WHERE THE FENCE MUST CROSS CONTOURS. THE SLOPE OF THE FENCE LINE WHERE CONTOURS MUST BE CROSSED SHALL NOT BE STEEPER THAN 3H:1V.
12. WOOD, STEEL OR EQUIVALENT POSTS SHALL BE USED. WOOD POSTS SHALL HAVE MINIMUM DIMENSIONS OF 2 INCHES BY 2 INCHES BY 3 FEET MINIMUM LENGTH, AND SHALL BE FREE OF DEFECTS SUCH AS KNOTS, SPLITS, OR GOUGES. STEEL POSTS SHALL CONSIST OF EITHER SIZE NO. 6 REBAR OR LARGER, ASTM A 120 STEEL PIPE WITH A MINIMUM DIAMETER OF 1-INCH, U, T, L, OR C SHAPE STEEL POSTS WITH A MINIMUM WEIGHT OF 1.35 LBS./FT. OR OTHER STEEL POSTS HAVING EQUIVALENT STRENGTH AND BENDING RESISTANCE TO THE POST SIZES LISTED. THE SPACING OF THE SUPPORT POSTS SHALL BE A MAXIMUM OF 6 FEET.
13. FENCE BACK-UP SUPPORT, IF USED, SHALL CONSIST OF STEEL WIRE WITH A MAXIMUM MESH SPACING OF 2 INCHES, OR A PREFABRICATED POLYMERIC MESH. THE STRENGTH OF THE WIRE OR POLYMERIC MESH SHALL BE EQUIVALENT TO OR GREATER THAN 180 LBS. GRAB TENSILE STRENGTH. THE POLYMERIC MESH MUST BE AS RESISTANT TO ULTRAVIOLET RADIATION AS THE GEOTEXTILE IT SUPPORTS.
14. THE BASE OF BOTH END POSTS MUST BE AT LEAST 2 TO 4 INCHES ABOVE THE TOP OF THE SILT FENCE FABRIC ON THE MIDDLE POSTS FOR DITCH CHECKS TO DRAIN PROPERLY. USE A HAND LEVEL OR STRING LEVEL, IF NECESSARY, TO MARK BASE POINTS BEFORE INSTALLATION.
15. INSTALL POSTS 3 TO 4 FEET APART IN CRITICAL RETENTION AREAS AND 6 TO 7 FEET APART IN STANDARD APPLICATIONS.
16. INSTALL POSTS 24 INCHES DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
17. INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FENCE FABRIC.
18. ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8 INCHES OF THE FABRIC.
19. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1 INCH VERTICALLY APART. IN ADDITION, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENING TO PREVENT SAGGING.
20. WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
21. NO MORE THAN 24 INCHES OF A 36-INCH FABRIC IS ALLOWED ABOVE GROUND LEVEL.
22. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATION BEFORE COMPACTION. USE A FLAT-BLADED SHOVEL TO TUCK FABRIC DEEPER INTO THE GROUND IF NECESSARY.
23. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQUARE INCH. COMPACT THE UPSTREAM SIDE FIRST AND THEN EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.

SEEDING NOTES

1. SEED SHALL CONFORM TO WSDOT STANDARD SPECIFICATION 9-14.2 SEED.
2. UNLESS CONTRADICTED BY INFORMATION STATED BELOW, TEMPORARY AND PERMANENT SEEDING SHALL BE PERFORMED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 8-01.3(2) SEEDING, FERTILIZING, AND MULCHING, SECTIONS A-F.
3. FINAL SEED APPLICATION IS RESTRICTED TO THE PERIODS APRIL 1 THROUGH JUNE 30 AND SEPTEMBER 1 THROUGH OCTOBER 1.
4. USE OF POLYACRYLAMIDE (PAM) SHALL CONFORM TO THE REQUIREMENTS OF BMP C126.
5. SEED AND MULCH ALL DISTURBED AREAS NOT OTHERWISE VEGETATED AT FINAL SITE STABILIZATION. FINAL STABILIZATION MEANS THE COMPLETION OF ALL SOIL DISTURBING ACTIVITIES AT THE SITE AND THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS PAVEMENT, RIPRAP, GABIONS OR GEOTEXTILES) WHICH WILL PREVENT EROSION.
6. SEED MAY BE INSTALLED BY HAND OR BY HYDROSEEDING. HAND SEEDING MAY BE USED FOR ESTABLISHING TEMPORARY VEGETATION OR FOR ESTABLISHING PERMANENT VEGETATION IN AREAS LESS THAN ONE ACRE.
7. APPLY MULCH TO ALL SEEDED AREAS, EITHER ON TOP OF THE SEED OR SIMULTANEOUSLY BY HYDROSEEDING. SEE BMP C121: MULCHING FOR SPECIFICATIONS.

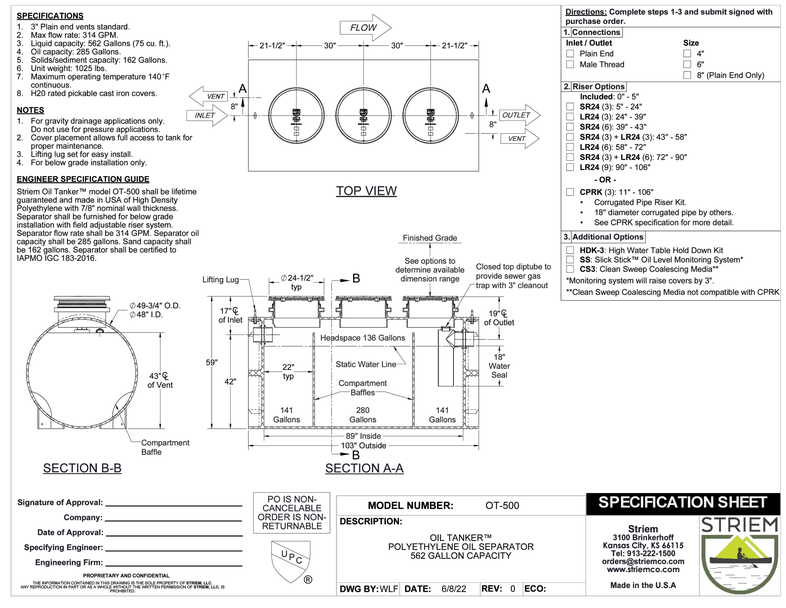


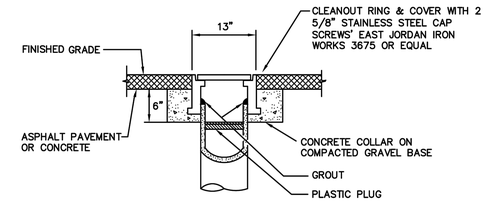
NOTES:

1. TRENCH WIDTH SHALL BE IN ACCORDANCE TO WSDOT STD. SPEC. SECTION 2-09.4, WHICH STATES FOR PIPES 15" OR UNDER, W= I.D. + 30". FOR PIPES 18" OR GREATER; W= 1.5 * I.D. + 18". PIPE MUST BE CENTERED IN TRENCH.
2. REPLACEMENT PATCH WIDTH SHALL BE ~~10 FT~~ 2 FT OUTSIDE OF TRENCH WIDTH, OR OTHERWISE AS DIRECTED BY FIELD INSPECTOR. IF TWO OR MORE TRANSVERSE CROSSINGS ALONG THE SAME ROAD AND THE TRENCH CENTERLINES ARE 25' O.C., OR LESS, THE CONTRACTOR WILL BE RESPONSIBLE FOR OVERLAYING THE ENTIRETY OF THE SECTION BETWEEN THE CROSSINGS.

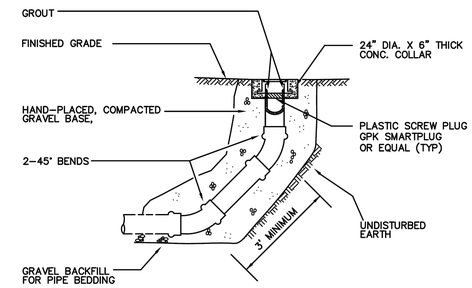
CITY OF LAKE STEVENS PUBLIC WORKS — TYPICAL TRENCH & RESTORATION DETAILS — STANDARD PLAN 8-020

PREPARED BY: GRACE KANE P.E., SENIOR ENGINEER
APPROVED BY: ERIC DURPOS, PW DIRECTOR
REV. DATE: DECEMBER 2018





STREET USE



EASEMENT USE

NOTE:

1. INSTALL CARRIAGE BOLT/OVERSIZE WASHER/LOCK NUT ASSEMBLY IN VENT HOLE TO PROTECT AGAINST GROSS INFLOW, PER STANDARD NOTES.

SIDE SEWER CLEANOUT

Lake Stevens Sewer District
STANDARD DETAILS

12/08 **S-16**

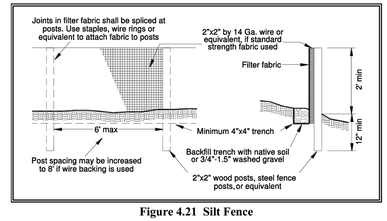


Figure 4.21 Silt Fence

275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

MacKay Sposito
ENERGY PUBLIC WORKS LAND DEVELOPMENT
www.mackaysposito.com

ERIC L. PILCHER — STATE OF WASHINGTON — 43952 — REGISTERED PROFESSIONAL ENGINEER — 06/08/2023

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/2022

CIVIL SITE DETAILS

SHEET # **C01.02**

811 A SERVICE OF — CALL 2 BUSINESS DAYS BEFORE YOU DIG 811 "It's the Law" www.callbeforeyoudig.com

DATE/ TIME PRINTED: 8/25/2021 5:43:21 PM
BIM 360://Snohomish FD 7 Station 83/2020056 Snohomish FD 7 Station 83 - 2020.rvt

KEY NOTES - SITE PLAN

#	NOTE DESCRIPTION
01	EXISTING FIRE HYDRANT
02	EXISTING FDC
03	EXISTING PLANTERS
04	EXISTING SEPTIC TANK
05	EXISTING SHED
06	EXISTING TRAINING TOWER
07	EXISTING STORAGE
08	NEW GENERATOR (UNDER SEPARATE MECHANICAL PERMIT)
09	EXISTING LOCATION OF OIL / WATER SEPARATOR
10	EXISTING FENCE

NOTES & LEGEND - SITE PLAN

1. REFERENCE CIVIL DRAWINGS FOR BASE FLOOD ELEVATION AND ADDITIONAL INFORMATION.

EXISTING LANDSCAPING

EXISTING DRIVEWAY

EXISTING STRUCTURE

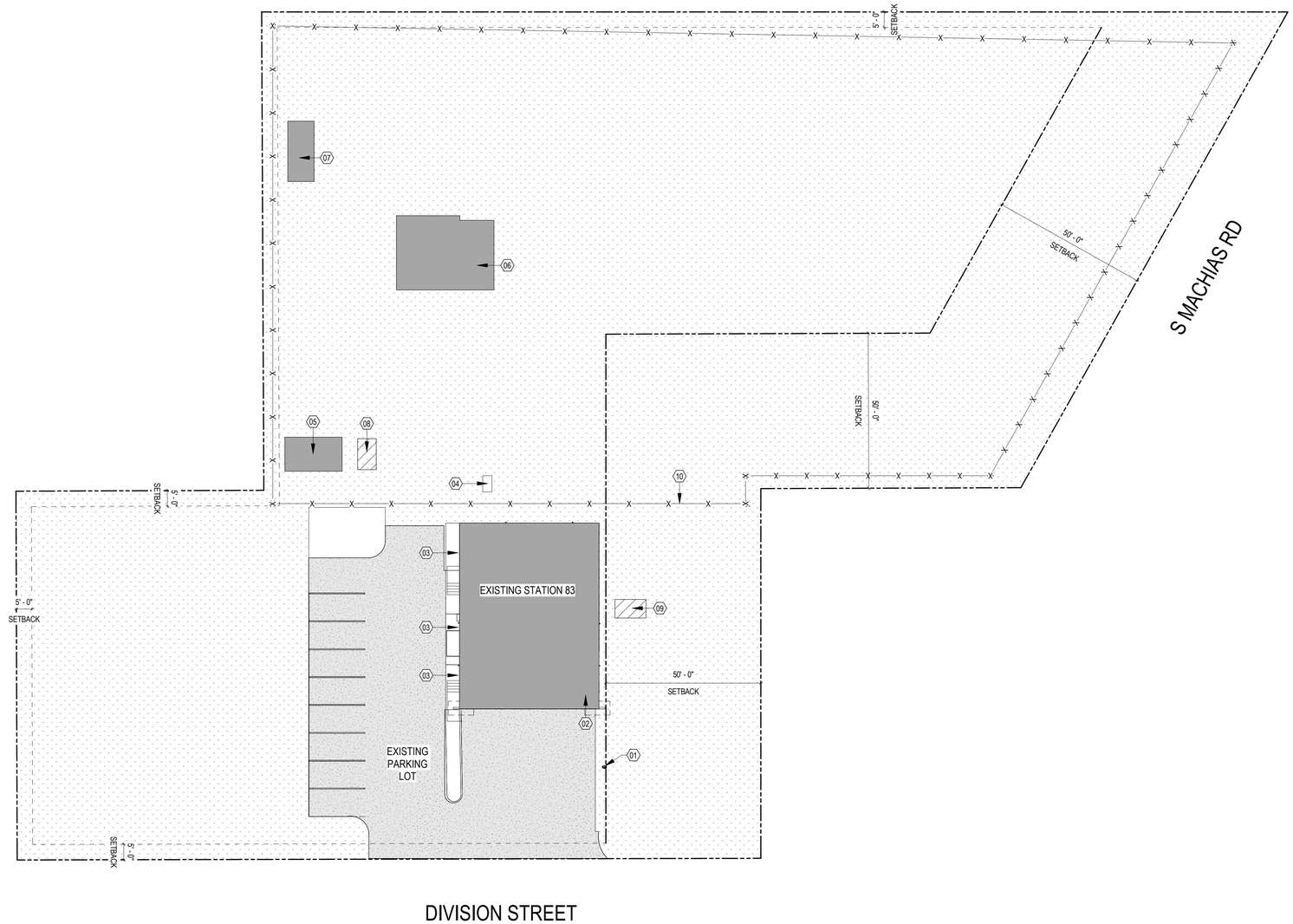
SITE EQUIPMENT

EXISTING FENCING

PROPERTY LINE

PROPERTY SETBACK

BUILDING OUTLINE



1 ARCHITECTURAL SITE PLAN

1" = 20'-0"

PLAN TRUE NORTH

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

ARCHITECTURAL SITE PLAN

SHEET #

A11.01

NOTES & LEGEND - DEMO PLAN

1. FIELD VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCY PRIOR TO BEGINNING WORK.
2. PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT OWNER'S PERSONNEL AND GENERAL PUBLIC AT AREAS OF WORK.
3. PRESERVE AND PROTECT EXISTING CONSTRUCTION AND LIFE SAFETY SYSTEMS TO REMAIN.
4. COORDINATE REMOVAL AND STORAGE OF EXISTING FURNITURE, FIXTURES, EQUIPMENT AND ASSOCIATED HARDWARE TO BE SALVAGED AND STORED DURING CONSTRUCTION WITH OWNER.

DEMOLITION ELEMENT

EXISTING ELEMENT TO REMAIN

EXTENT OF CONCRETE SLAB DEMOLITION WORK. REMOVE PORTION OF VAPOR BARRIER & SUBGRADE. BACKFILL & COMPACT SUBGRADE, PATCH TO MATCH VAPOR BARRIER & INSTALL CONCRETE SLAB AFTER UNDERGORUND UTILITY & FOUNDATION UPGRADE WORK.

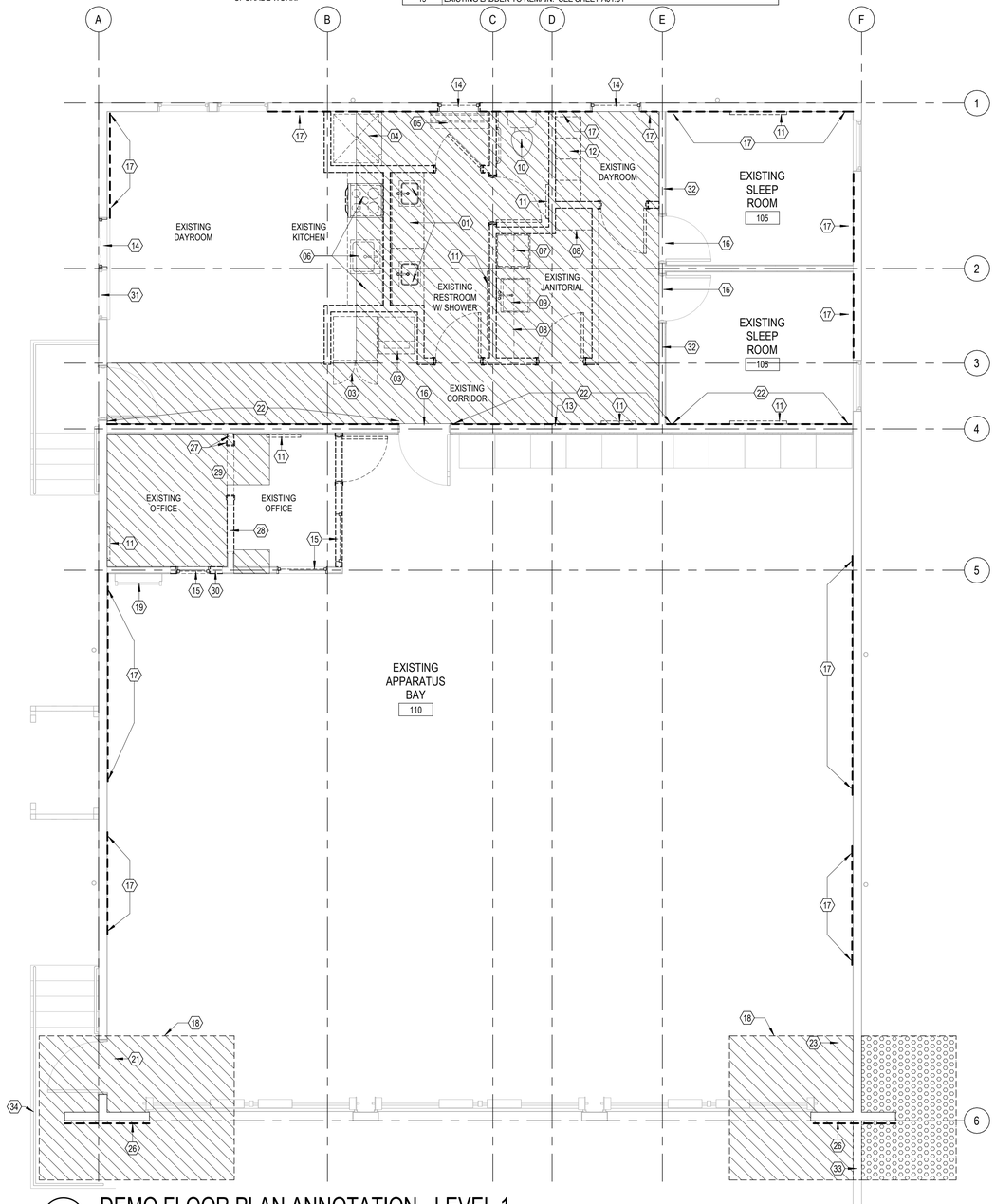
EXTENT OF EARTH EXCAVATION FOR FOUNDATION WORK. BACKFILL & COMPACT EARTH, AND INSTALL GRAVEL & MULCH & RESTORE IT TO ITS ORIGINAL CONDITION AFTER FOUNDATION UPGRADE WORK.

KEY NOTES - DEMO PLAN

#	NOTE DESCRIPTION
01	DEMO SINK AND COUNTER
03	REMOVE APPLIANCE .
04	DEMO SHOWER AND PLUMBING FIXTURES
05	DEMO BENCH
06	DEMO KITCHEN, APPLIANCES, AND PLUMBING FIXTURES
07	DEMO MOP SINK
08	DEMO SHELVES
09	DEMO UTILITY SINK
10	DEMO WATER CLOSET.
11	SEE MECHANICAL PLAN FOR DEMOLITION OF ELECTRIC BASE BOARD HEATER.
12	REMOVE EXISTING METAL LOCKERS.
13	EXISTING SEMI-RECESSED FIRE EXTINGUISHER TO BE REMOVED AND SALVAGED. PATCH TO MATCH EXISTING.
14	EXISTING WINDOW TO BE REMOVED.
15	DEMO INTERIOR WINDOW. COORDINATE WITH NEW CONSTRUCTION SCOPE OF WORK.
16	PRESERVE AND PROTECT EXISTING DOOR TO REMAIN.
17	REMOVE EXISTING WALL BASE & BOTTOM PORTION OF GWB FOR HOLD DOWNS. SEE STRUCTURAL FOR EXTENT OF REMOVAL.
18	DEMO PORTION OF CONCRETE SLAB FOR FOUNDATION WORK. FIELD VERIFY EXTENT OF SLAB DEMOLITION WORK. SEE STRUCTURAL.
19	EXISTING LADDER TO REMAIN. SEE SHEET A01.01

KEY NOTES - DEMO PLAN

#	NOTE DESCRIPTION
21	REFER TO PLUMBING FOR AREA TO BE DEMO
22	REMOVE EXISTING GWB AND EXISTING WALL INSULATION. EXISTING STUD FRAMING TO REMAIN.
23	REFER TO PLUMBING FOR FIRE RISER REMOVAL.
24	CREATE OPENING FOR NEW MECH. LOUVER. SEE MECHANICAL.
25	MECHANICAL LOUVERS TO BE REMOVED. REFER TO MECHANICAL.
26	REMOVE VINYL SIDING TO THE NEAREST JOINT AND SHEATHING TO FACE OF STUD AT WALL PIER, FULL HEIGHT. SEE AREA OF WORK ON SHEET A31.01
27	REMOVE EXISTING WALL. EXISTING POST TO REMAIN, SEE STRUCTURAL
28	REMOVE PORTION OF EXISTING WALL. EXISTING HEADER & EXISTING BEARING WALL THAT SUPPORT MEZZANINE TO REMAIN. FIELD VERIFY EXTENT OF HEADER & BEARING WALL. SEE STRUCTURAL.
29	REMOVE EXISTING POCKET DOOR.
30	CREATE AN OPENING IN EXISTING WALL FOR NEW DOOR. SEE NEW FLOOR PLAN.
31	PRESERVE AND PROTECT EXISTING OPENING TO REMAIN
32	EXISTING CONSTRUCTION, PRESERVE AND PROTECT. REPAIRDAMAGED AREAS TO ORGINA STATE. COORDINATE WITH NEW CONSTRUCITON SCOPE OF WORK.
33	REMOVE EXISTING CONCRETE CURB.
34	EXISTING STAIR GUARDRAIL, FOUNDATION WALL TO REMAIN. PROTECT DURING CONSTRUCTION.



2 DEMO FLOOR PLAN ANNOTATION - LEVEL 1

1/4" = 1'-0"

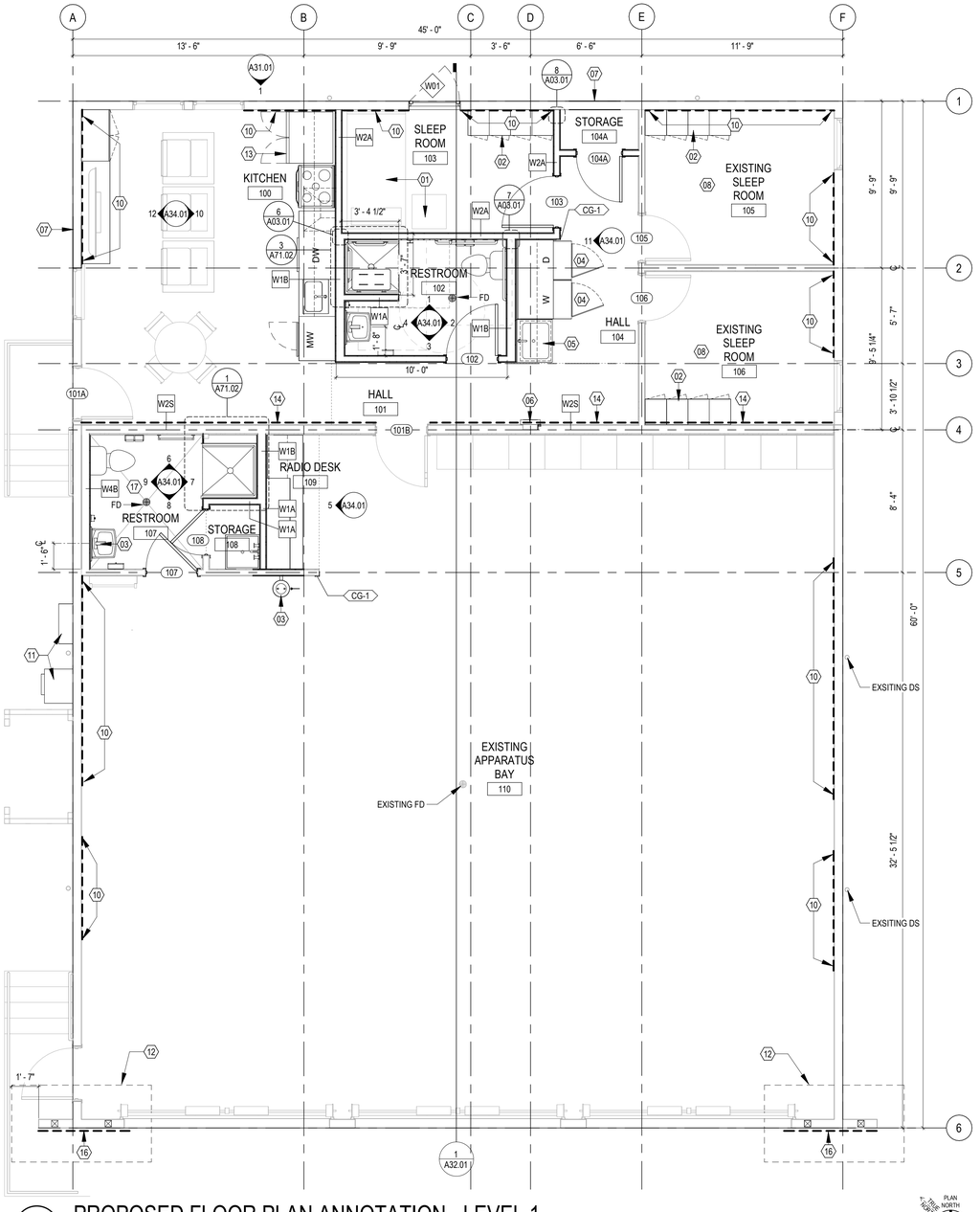
NOTES & LEGEND - FLOOR PLAN

1. DIMENSIONS ARE TO ROUGH FRAMING, TYP UNO.
2. DIMENSIONS INDICATED AS "MIN" OR "CLR" ARE FROM NEAREST FINISH SURFACE, INCLUDING TRIM.
3. ROUGH DOOR OPENINGS ARE LOCATED 4" FROM NEAREST INTERSECTING WALL FRAMING, TYP UNO.
4. REFER TO STRUCTURAL DRAWINGS FOR LOCATION AND DETAILS FOR STRUCTURAL HOLD DOWNS.

OWNER FURNISHED EQUIPMENT, SIZES MAY VARY

KEY NOTES - FLOOR PLAN

#	NOTE DESCRIPTION
01	NIGHT STAND AND BED, OFOI
02	NEW PHENOLIC LOCKERS. PROVIDE FINISH END PANEL.
03	EYE WASH STATION (SEE PLUMBING)
04	NEW WASHER & DRYER, CFCI.
05	NEW 30"MIN WIDE COUNTERTOP WITH UNDERMOUNT ADA LAUNDRY SINK (SEE PLUMBING)
06	EXISTING SEMI-RECESSED FIRE EXTINGUISHER CABINET TO BE REINSTALLED. MODIFY EXISTING WALL OPENING TO MAINTAIN REQUIRED WALL FIRE RESISTANCE. SEE DETAIL 4/A02.04.
07	PATCH EXISTING OPENING TO MATCH EXISTING WALL
08	NEW ROOM FINISHES (SEE ROOM FINISH SCHEDULE)
10	NEW 5/8" TYPE X GWB AT OPENING. PATCH AND REPAIR WALL TO MATCH EXISTING. SEE STRUCTURAL
11	WALL MOUNTED ATS & GENERATOR DISCONNECT SWITCH. SEE ELECTRICAL.
12	EXTEND EXISTING FOOTING, SEE STRUCTURAL
13	NEW REFRIGERATOR, CFCI.
14	NEW R-19 BATT INSULATION AND 5/8" TYPE X GWB TO UNDERSIDE OF ROOF DECK.
15	NEW MECH. LOUVER. SEE MECHANICAL
16	NEW VINYL SIDING AND SHEATHING AT WALL PIER, FULL HEIGHT. PATCH AND REPAIR, MATCH NEW WITH EXISTING TRIM PIECES. SEE AREA OF WORK ON SHEET A31.01
17	SLOPE CONCRETE SLAB TO FLOOR DRAIN. 1/4" PER FOOT.



1 PROPOSED FLOOR PLAN ANNOTATION - LEVEL 1

1/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT GUNNAR R. GLADICS STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/22

AHU APPROVAL STAMP

LEVEL 1 - DEMO FLOOR PLAN & PROPOSED FLOOR PLAN - ANNOTATION

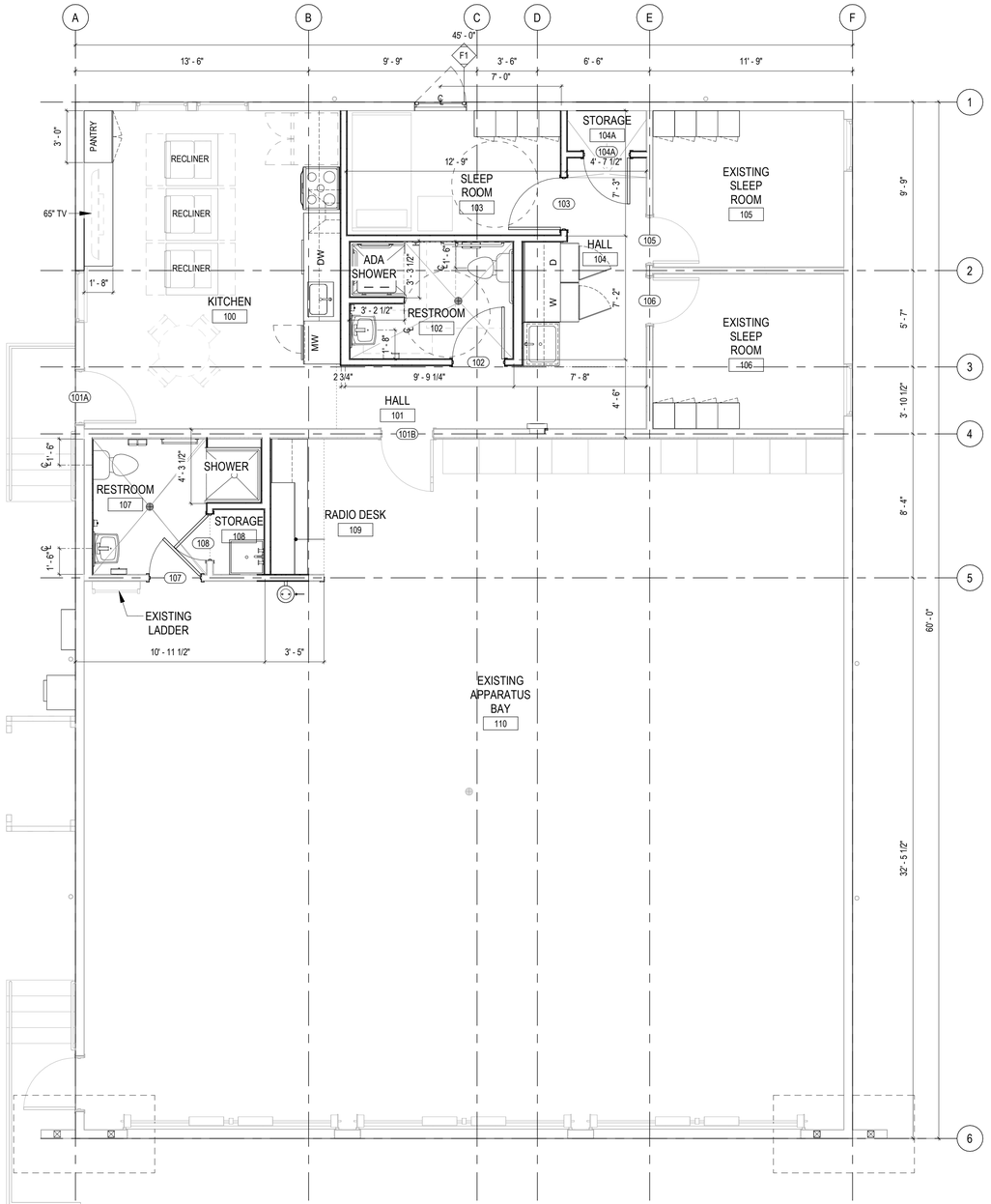
SHEET #

A22.01

NOTES & LEGEND - FLOOR PLAN

1. DIMENSIONS ARE TO ROUGH FRAMING, TYP UNO.
2. DIMENSIONS INDICATED AS "MIN" OR "CLR" ARE FROM NEAREST FINISH SURFACE, INCLUDING TRIM.
3. ROUGH DOOR OPENINGS ARE LOCATED 4" FROM NEAREST INTERSECTING WALL FRAMING, TYP UNO.
4. REFER TO STRUCTURAL DRAWINGS FOR LOCATION AND DETAILS FOR STRUCTURAL HOLD DOWNS.

OWNER FURNISHED
EQUIPMENT, SIZES MAY VARY



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

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

LEVEL 1 - PROPOSED FLOOR PLAN - DIMENSIONS

SHEET #
A22.02

NOTES & LEGEND - DEMO PLAN

1. FIELD VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCY PRIOR TO BEGINNING WORK.
2. PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT OWNER'S PERSONNEL AND GENERAL PUBLIC AT AREAS OF WORK.
3. PRESERVE AND PROTECT EXISTING CONSTRUCTION AND LIFE SAFETY SYSTEMS TO REMAIN.
4. COORDINATE REMOVAL AND STORAGE OF EXISTING FURNITURE, FIXTURES, EQUIPMENT AND ASSOCIATED HARDWARE TO BE SALVAGED AND STORED DURING CONSTRUCTION WITH OWNER.

DEMOLITION ELEMENT

EXISTING ELEMENT TO REMAIN

EXTENT OF CONCRETE SLAB DEMOLITION WORK. REMOVE PORTION OF VAPOR BARRIER & SUBGRADE. BACKFILL & COMPACT SUBGRADE, PATCH TO MATCH VAPOR BARRIER & INSTALL CONCRETE SLAB AFTER UNDERGORUND UTILITY & FOUNDATION UPGRADE WORK.

EXTENT OF EARTH EXCAVATION FOR FOUNDATION WORK. BACKFILL & COMPACT EARTH, AND INSTALL GRAVEL & MULCH & RESTORE IT TO ITS ORIGINAL CONDITION AFTER FOUNDATION UPGRADE WORK.

KEY NOTES - DEMO PLAN

#	NOTE DESCRIPTION
01	DEMO SINK AND COUNTER
03	REMOVE APPLIANCE .
04	DEMO SHOWER AND PLUMBING FIXTURES
05	DEMO BENCH
06	DEMO KITCHEN, APPLIANCES, AND PLUMBING FIXTURES
07	DEMO MOP SINK
08	DEMO SHELVES
09	DEMO UTILITY SINK
10	DEMO WATER CLOSET.
11	SEE MECHANICAL PLAN FOR DEMOLITION OF ELECTRIC BASE BOARD HEATER.
12	REMOVE EXISTING METAL LOCKERS.
13	EXISTING SEMI-RECESSED FIRE EXTINGUISHER TO BE REMOVED AND SALVAGED. PATCH TO MATCH EXISTING.
14	EXISTING WINDOW TO BE REMOVED.
15	DEMO INTERIOR WINDOW. COORDINATE WITH NEW CONSTRUCTION SCOPE OF WORK.
16	PRESERVE AND PROTECT EXISTING DOOR TO REMAIN.
17	REMOVE EXISTING WALL BASE & BOTTOM PORTION OF GWB FOR HOLD DOWNS. SEE STRUCTURAL FOR EXTENT OF REMOVAL.
18	DEMO PORTION OF CONCRETE SLAB FOR FOUNDATION WORK. FIELD VERIFY EXTENT OF SLAB DEMOLITION WORK. SEE STRUCTURAL.
19	EXISTING LADDER TO REMAIN. SEE SHEET A01.01

KEY NOTES - DEMO PLAN

#	NOTE DESCRIPTION
21	REFER TO PLUMBING FOR AREA TO BE DEMO
22	REMOVE EXISTING GWB AND EXISTING WALL INSULATION. EXISTING STUD FRAMING TO REMAIN.
23	REFER TO PLUMBING FOR FIRE RISER REMOVAL.
24	CREATE OPENING FOR NEW MECH. LOUVER. SEE MECHANICAL.
25	MECHANICAL LOUVERS TO BE REMOVED. REFER TO MECHANICAL.
26	REMOVE VINYL SIDING TO THE NEAREST JOINT AND SHEATHING TO FACE OF STUD AT WALL PEIR, FULL HEIGHT. SEE AREA OF WORK ON SHEET A31.01
27	REMOVE EXISTING WALL. EXISTING POST TO REMAIN. SEE STRUCTURAL
28	REMOVE PORTION OF EXISTING WALL. EXISTING HEADER & EXISTING BEARING WALL THAT SUPPORT MEZZANINE TO REMAIN. FIELD VERIFY EXTENT OF HEADER & BEARING WALL. SEE STRUCTURAL.
29	REMOVE EXISTING POCKET DOOR.
30	CREATE AN OPENING IN EXISTING WALL FOR NEW DOOR. SEE NEW FLOOR PLAN.
31	PRESERVE AND PROTECT EXISTING OPENING TO REMAIN
32	EXISTING CONSTRUCTION, PRESERVE AND PROTECT. REPAIRDAMAGED AREAS TO ORGINA STATE. COORDINATE WITH NEW CONSTRUCITON SCOPE OF WORK.
33	REMOVE EXISTING CONCRETE CURB.
34	EXISTING STAIR GUARDRAIL, FOUNDATION WALL TO REMAIN. PROTECT DURING CONSTRUCTION.

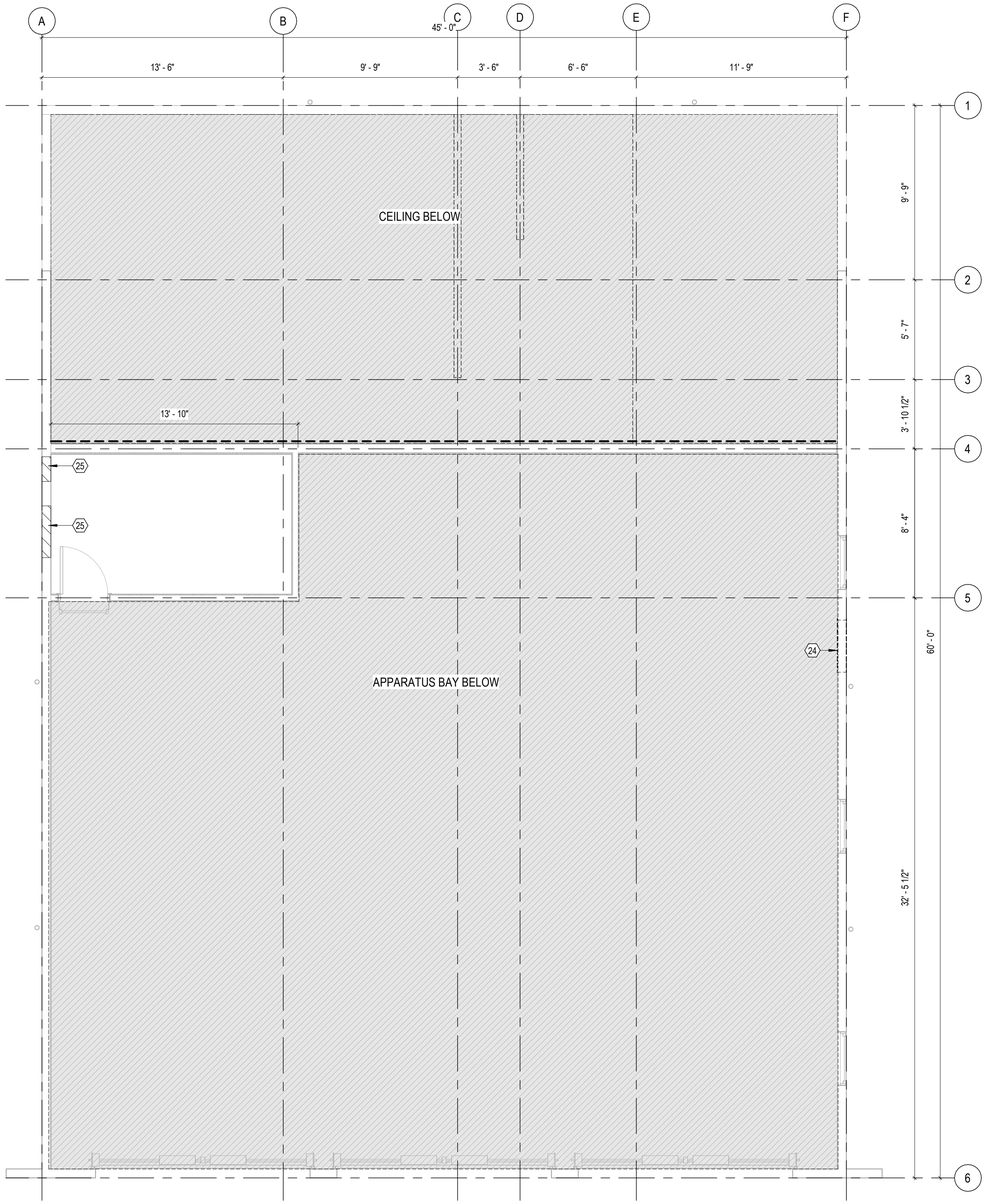
NOTES & LEGEND - FLOOR PLAN

1. DIMENSIONS ARE TO ROUGH FRAMING, TYP UNO.
2. DIMENSIONS INDICATED AS "MIN" OR "CLR" ARE FROM NEAREST FINISH SURFACE, INCLUDING TRIM.
3. ROUGH DOOR OPENINGS ARE LOCATED 4" FROM NEAREST INTERSECTING WALL FRAMING, TYP UNO.
4. REFER TO STRUCTURAL DRAWINGS FOR LOCATION AND DETAILS FOR STRUCTURAL HOLD DOWNS.

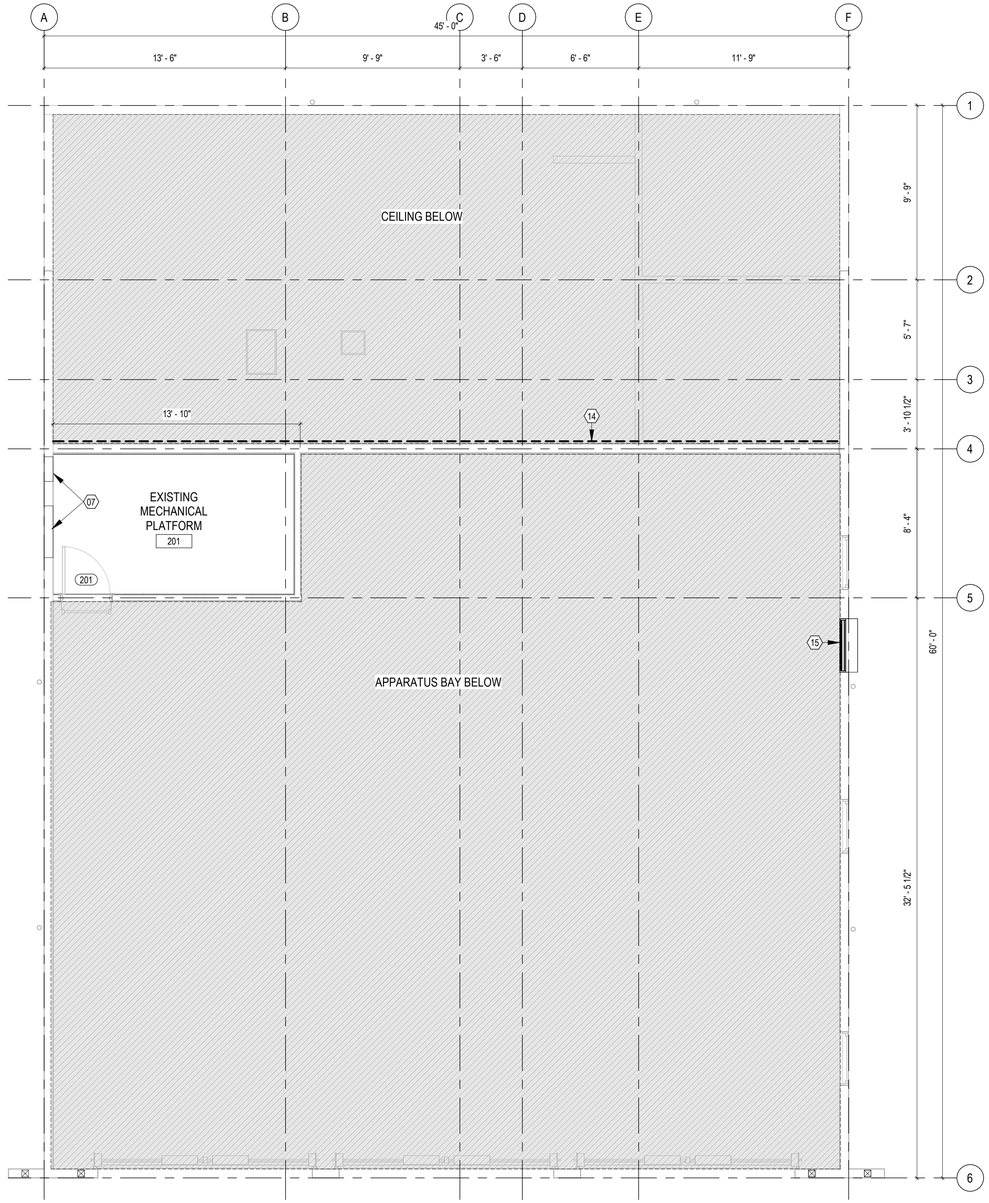
OWNER FURNISHED
EQUIPMENT, SIZES MAY VARY

KEY NOTES - FLOOR PLAN

#	NOTE DESCRIPTION
01	NIGHT STAND AND BED. OFOI
02	NEW PHENOLIC LOCKERS. PROVIDE FINISH END PANEL.
03	EYE WASH STATION (SEE PLUMBING)
04	NEW WASHER & DRYER, CFCI.
05	NEW 30"MIN WIDE COUNTERTOP WITH UNDERMOUNT ADA LAUNDRY SINK (SEE PLUMBING)
06	EXISTING SEMI-RECESSED FIRE EXTINGUISHER CABINET TO BE REINSTALLED. MODIFY EXISTING WALL OPENING TO MAINTAIN REQUIRED WALL FIRE RESISTANCE. SEE DETAIL 4/A02.04.
07	PATCH EXISTING OPENING TO MATCH EXISTING WALL
08	NEW ROOM FINISHES (SEE ROOM FINISH SCHEDULE)
10	NEW 5/8" TYPE X GWB AT OPENING. PATCH AND REPAIR WALL TO MATCH EXISTING. SEE STRUCTURAL
11	WALL MOUNTED ATS & GENERATOR DISCONNECT SWITCH. SEE ELECTRICAL.
12	EXTEND EXISTING FOOTING, SEE STRUCTURAL
13	NEW REFRIGERATOR, CFCI.
14	NEW R-19 BATT INSULATION AND 5/8" TYPE X GWB TO UNDERSIDE OF ROOF DECK.
15	NEW MECH. LOUVER. SEE MECHANICAL
16	NEW VINYL SIDING AND SHEATHING AT WALL PIER, FULL HEIGHT. PATCH AND REPAIR, MATCH NEW WITH EXISTING TRIM PIECES. SEE AREA OF WORK ON SHEET A31.01
17	SLOPE CONCRETE SLAB TO FLOOR DRAIN. 1/4" PER FOOT.



2 DEMO FLOOR PLAN ANNOTATION - MECH. PLATFORM
1/4" = 1'-0"



1 MEZZANINE FLOOR PLAN ANNOTATION - MECH. PLATFORM
1/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

AHJ APPROVAL STAMP

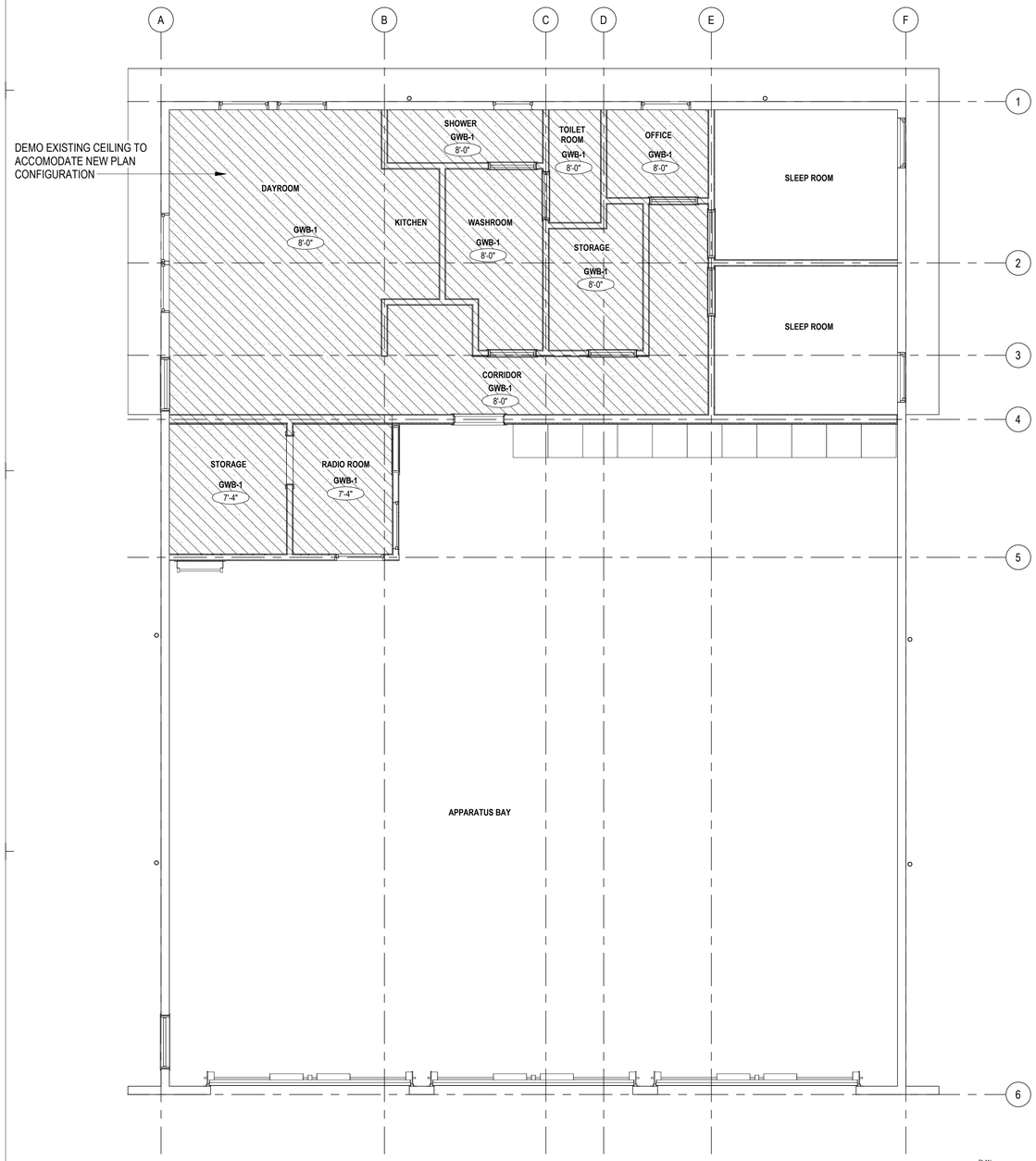
MEZZANINE LEVEL - DEMO PLAN & PROPOSED FLOOR PLAN - ANNOTATION

SHEET #
A22.03

NOTES & LEGEND - DEMO RCP PLAN

1. FIELD VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCY PRIOR TO BEGINNING WORK.
2. PRESERVE AND PROTECT EXISTING CONSTRUCTION AND LIFE SAFETY SYSTEMS TO REMAIN.

EXTENT OF EXISTING GWB CEILING DEMOLITION



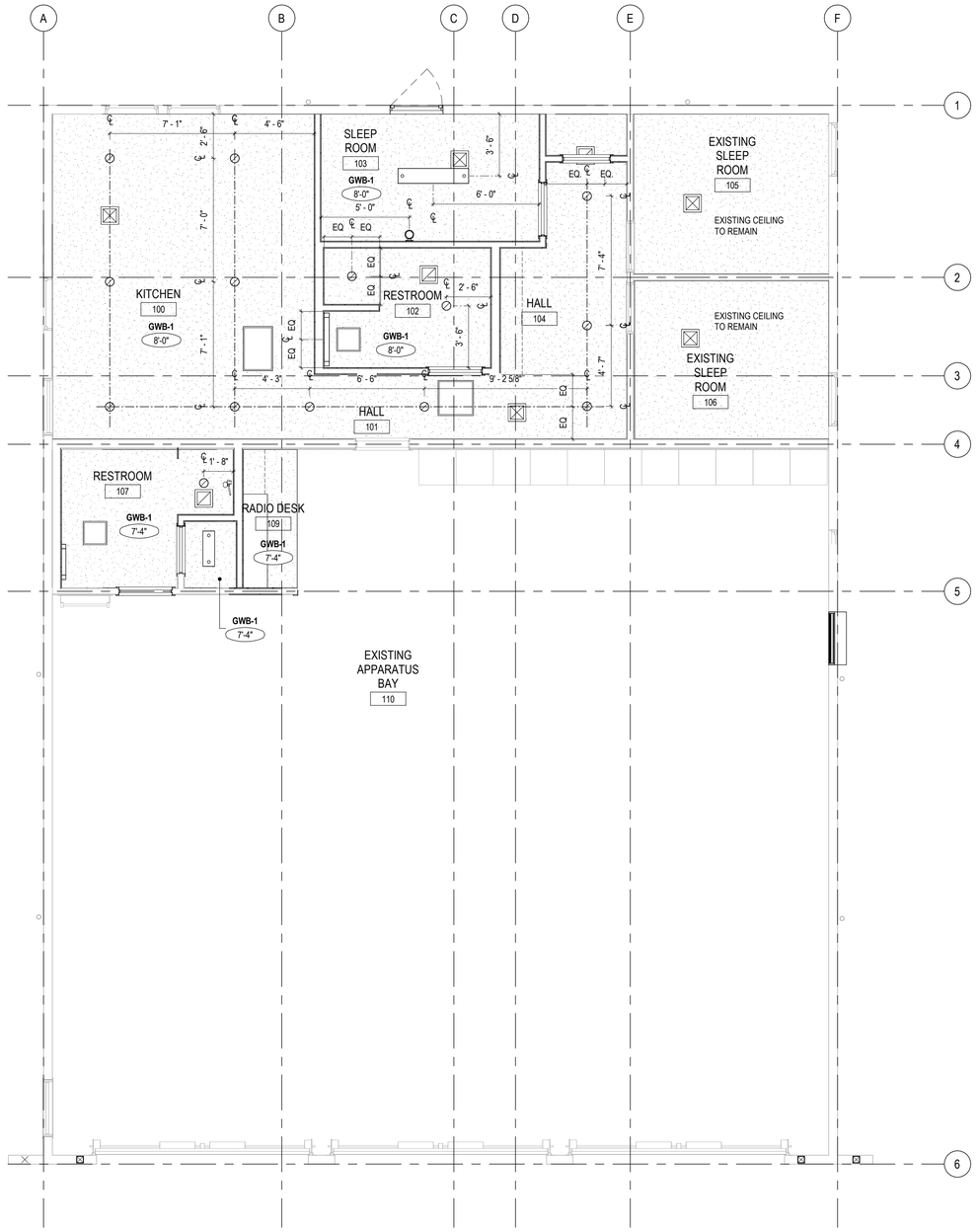
2 DEMO REFLECTED CEILING PLAN - LEVEL 1
1/4" = 1'-0"

NOTES & LEGEND - REFLECTED CEILING PLAN

1. ARCHITECTURAL RCP PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MEP DRAWINGS FOR DETAILED SCOPE OF SYSTEMS.
2. CEILING FIXTURES ARE CENTERED IN ROOM, UNO.
3. DIMENSIONS IN CEILING PLANS ARE TO FACE OF FINISH, UNO.
4. GRAPHIC REPRESENTATION OF LIGHTING TYPES MAY BE NOT TO SCALE.

LEGEND

- RECESSED LED LIGHT FIXTURE
- DIFFUSER
- SURFACE MOUNTED LED FIXTURE
- MECHANICAL LOUVER
- WALL MOUNTED VANITY LIGHT
- ATTIC ACCESS DOOR (20" x 30" MIN.) VERIFY FINAL LOCATION ON SITE.
- PLUMB ACCESS DOOR (16" X 16") COORDINATE FINAL LOCAITON ON SITE. SEE PLUMB.
- WALL SCONCE
- MECH ACCESS DOOR (24" X 24") COORDINATE FINAL LOCAITON ON SITE. SEE MECH.



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

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT GUNNAR R. GLADICS STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

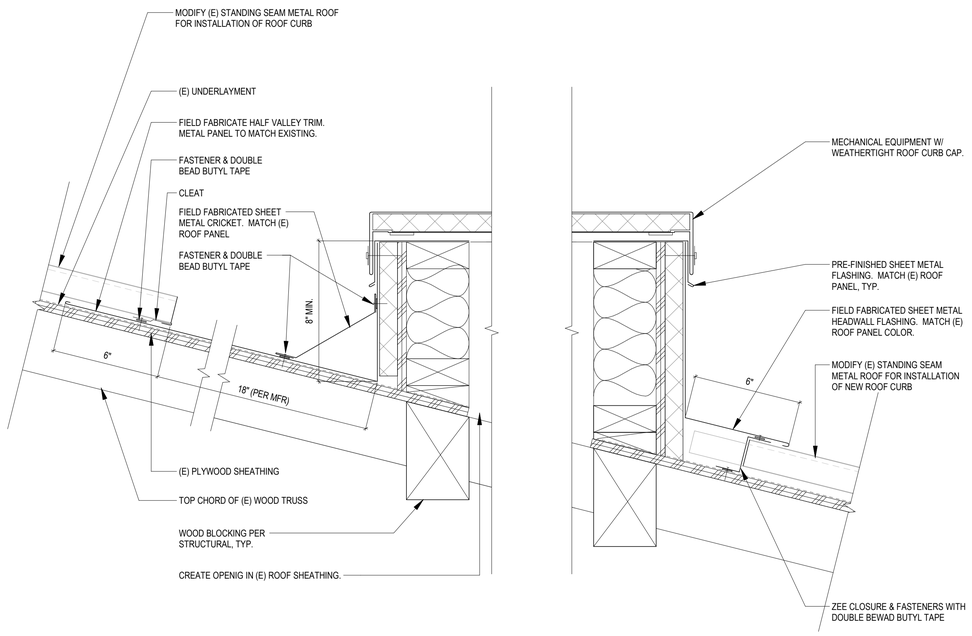
PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

AHJ APPROVAL STAMP

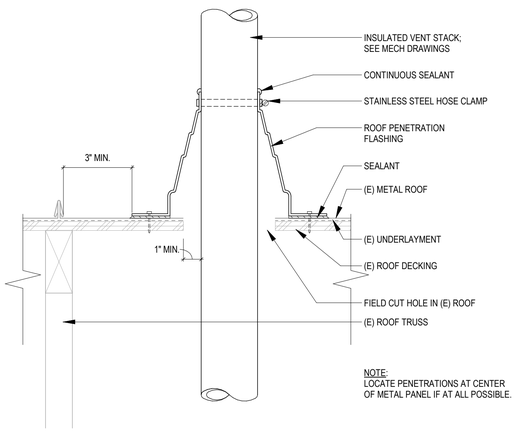
DEMO REFLECTED CEILING PLAN & PROPOSED REFLECTED CEILING PLAN

SHEET #
A24.00



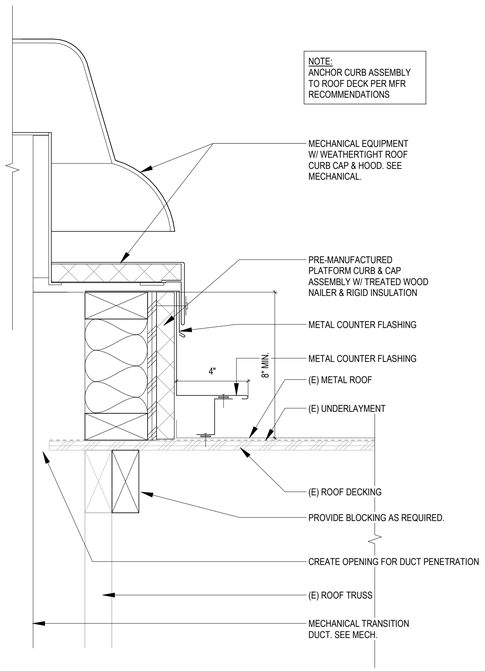
15 CURB FLASHING DETAIL

3" = 1'-0"



13 TYP VENT STACK FLASHING

3" = 1'-0"



9 TYP ROOF CURB SIDE WALL FLASHING

3" = 1'-0"

NOTES & LEGEND - ROOF PLAN

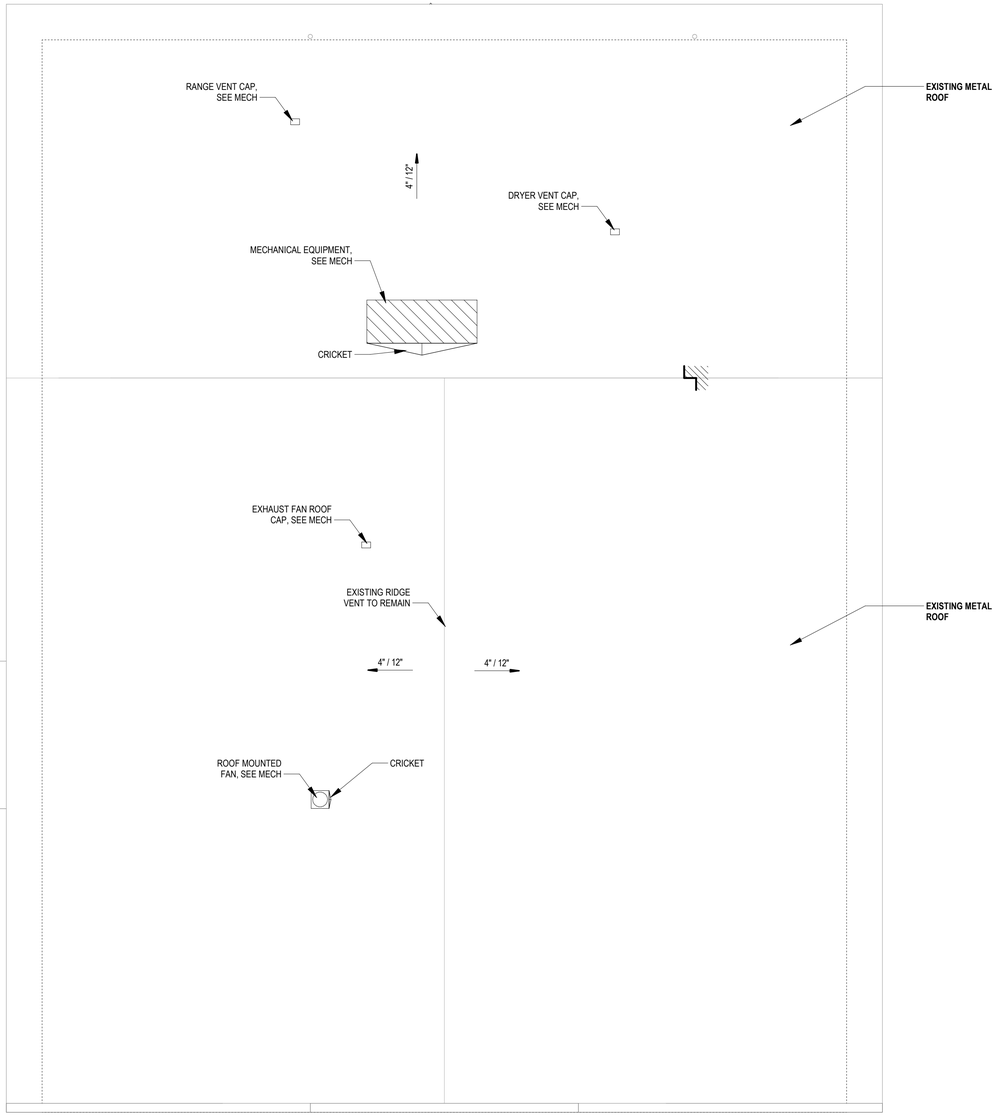
1/4" = 1'-0"

1. VERIFY EQUIPMENT CLEARANCES WITH MANUFACTURER REQUIREMENTS PRIOR TO INSTALL.
2. FIELD CONFIRM DIMENSIONS AND REPORT DISCREPANCIES, IF ANY, TO ARCHITECT PRIOR TO CONSTRUCTION.

1/4" / 12" — ROOF SLOPE PER PLAN

BUILDING OUTLINE BELOW

CHANGE IN ROOF ELEVATION



5 ROOF PLAN

1/4" = 1'-0"

PLAN NORTH

TRUE NORTH

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

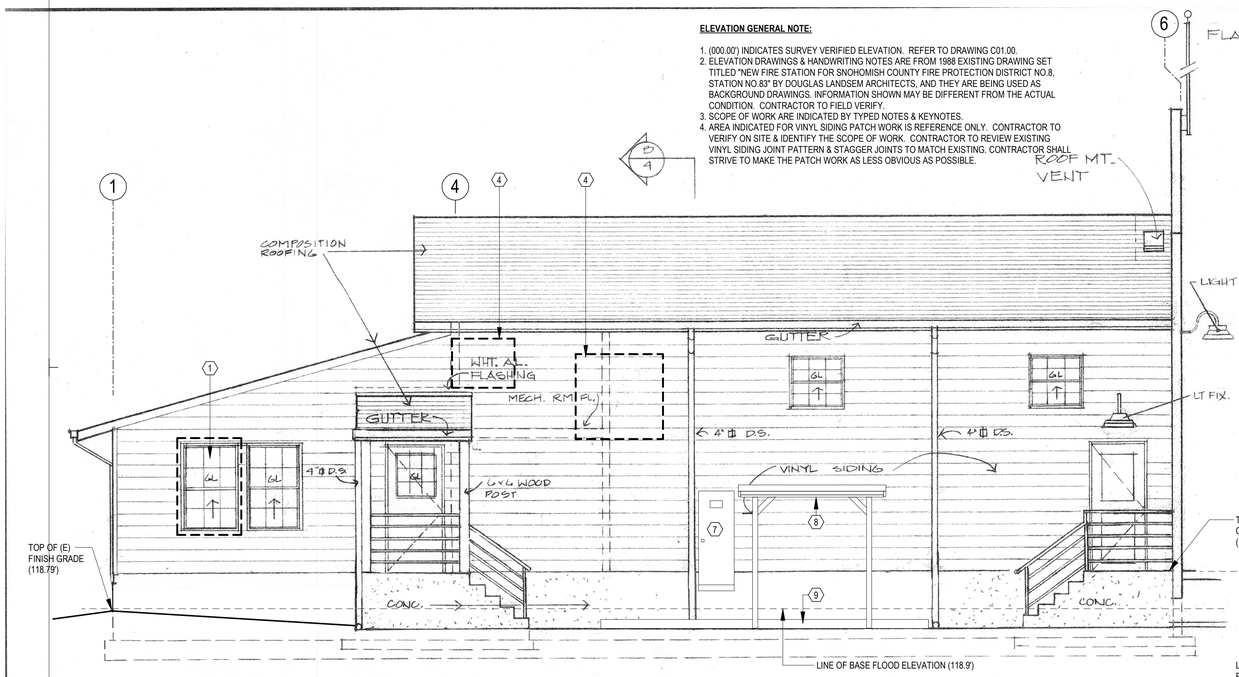
ROOF PLAN

SHEET #

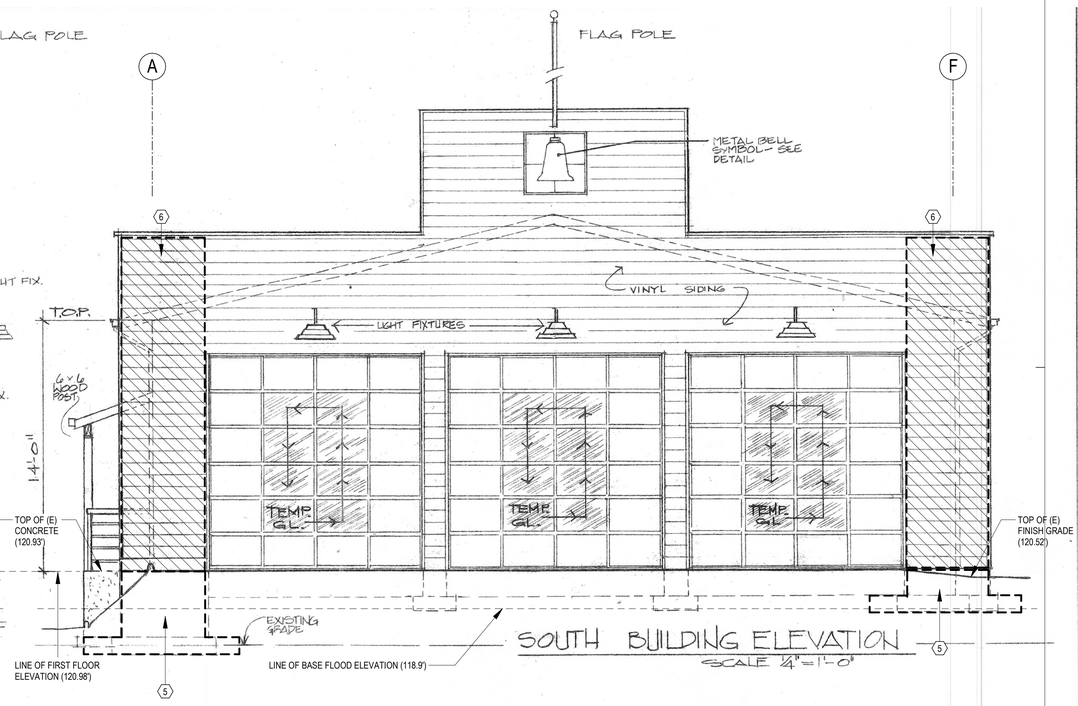
A25.01

ELEVATION GENERAL NOTE:

1. (000.00') INDICATES SURVEY VERIFIED ELEVATION. REFER TO DRAWING C01.00.
2. ELEVATION DRAWINGS & HANDWRITING NOTES ARE FROM 1988 EXISTING DRAWING SET TITLED "NEW FIRE STATION FOR SNOHOMISH COUNTY FIRE PROTECTION DISTRICT NO.8, STATION NO.83" BY DOUGLAS LANDSEM ARCHITECTS, AND THEY ARE BEING USED AS BACKGROUND DRAWINGS. INFORMATION SHOWN MAY BE DIFFERENT FROM THE ACTUAL CONDITION. CONTRACTOR TO FIELD VERIFY.
3. SCOPE OF WORK ARE INDICATED BY TYPED NOTES & KEYNOTES.
4. AREA INDICATED FOR VINYL SIDING PATCH WORK IS REFERENCE ONLY. CONTRACTOR TO VERIFY ON SITE & IDENTIFY THE SCOPE OF WORK. CONTRACTOR TO REVIEW EXISTING VINYL SIDING JOINT PATTERN & STAGGER JOINTS TO MATCH EXISTING. CONTRACTOR SHALL STRIVE TO MAKE THE PATCH WORK AS LESS OBVIOUS AS POSSIBLE.



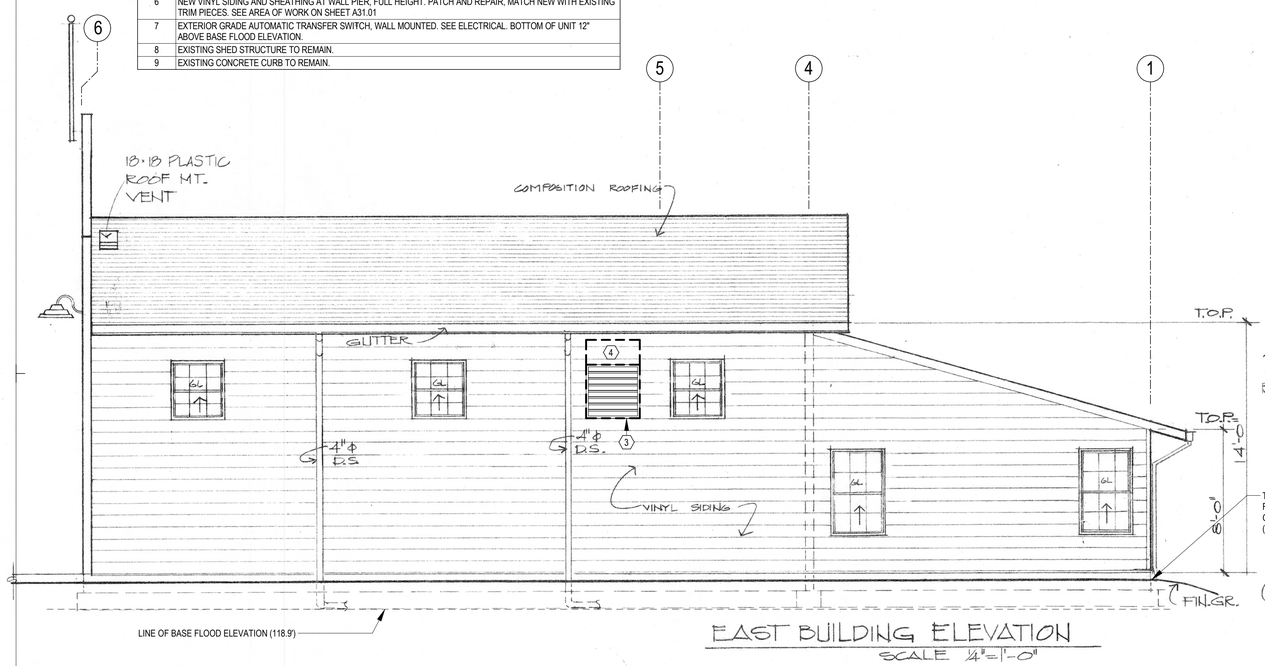
WEST BUILDING ELEVATION



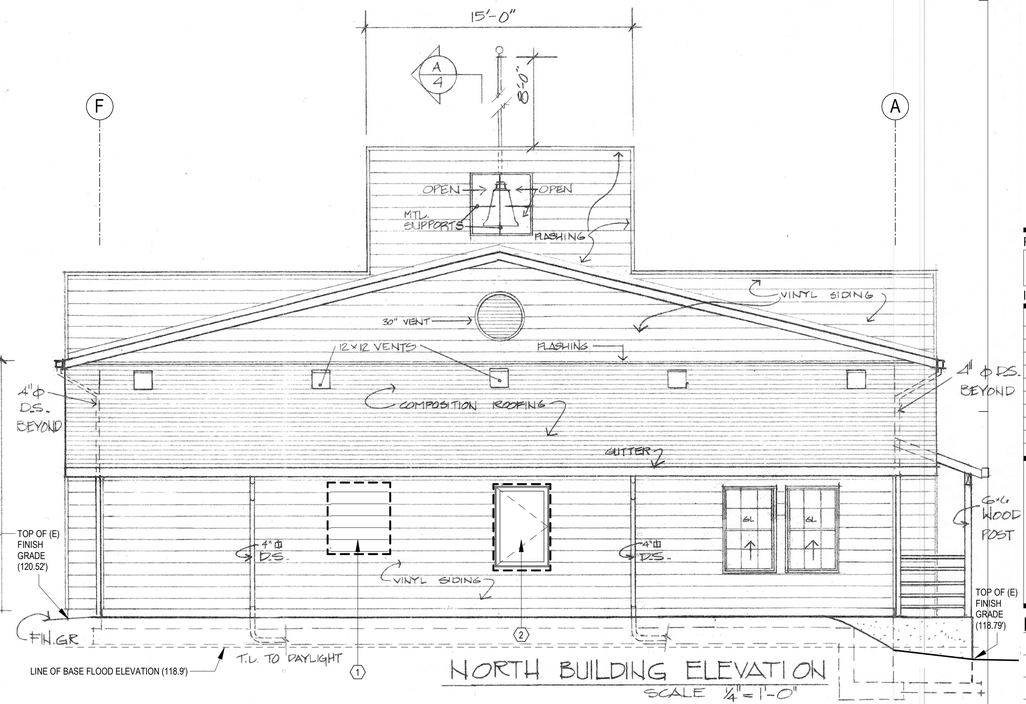
SOUTH BUILDING ELEVATION
SCALE 1/4"=1'-0"

KEY NOTES - ELEVATION

#	NOTE DESCRIPTION
1	REMOVED WINDOW. PATCH SIDING TO THE NEAREST JOINT. MATCH EXISTING EXTERIOR WALL
2	EXISTING WINDOW TO BE REMOVED, ENLARGE OPENING FOR NEW EGRESS WINDOW. EXISTING VINYL SIDING TO BE REMOVED TO THE NEAREST JOINT.
3	NEW MECH. LOUVER. SEE MECHANICAL
4	MECHANICAL LOUVERS TO BE REMOVED.OPENING TO BE PATCHED TO MATCH EXISTING EXTERIOR WALL. REFER TO MECHANICAL
5	EXTEND FOOTING PER STRUCTURAL.
6	NEW VINYL SIDING AND SHEATHING AT WALL PIER, FULL HEIGHT. PATCH AND REPAIR, MATCH NEW WITH EXISTING TRIM PIECES. SEE AREA OF WORK ON SHEET A31.01
7	EXTERIOR GRADE AUTOMATIC TRANSFER SWITCH, WALL MOUNTED. SEE ELECTRICAL. BOTTOM OF UNIT 12" ABOVE BASE FLOOD ELEVATION.
8	EXISTING SHED STRUCTURE TO REMAIN.
9	EXISTING CONCRETE CURB TO REMAIN.



EAST BUILDING ELEVATION
SCALE 1/4"=1'-0"



NORTH BUILDING ELEVATION
SCALE 1/4"=1'-0"

1 EXTERIOR ELEVATIONS
1/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/22

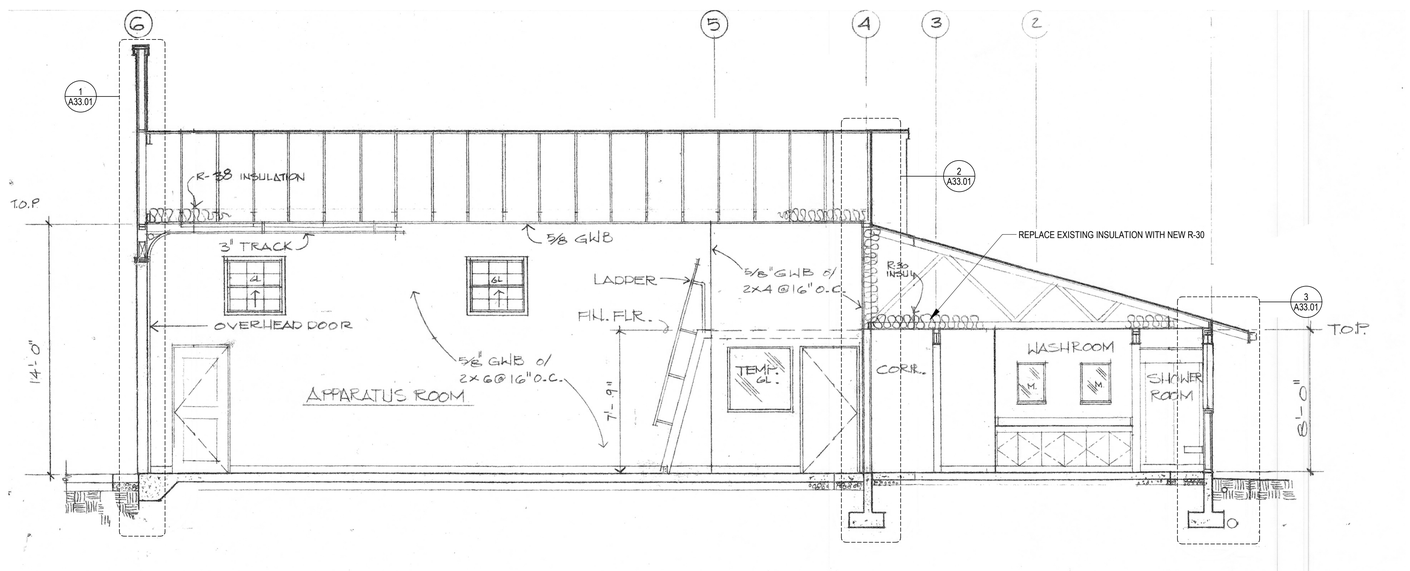
AHJ APPROVAL STAMP

EXTERIOR ELEVATIONS

SHEET #
A31.01

NOTES & LEGEND - BUILDING SECTION

1. BUILDING SECTION DRAWING & HANDWRITING NOTES ARE FROM 1988 EXISTING DRAWING SET TITLED "NEW FIRE STATION FOR SNOHOMISH COUNTY FIRE PROTECTION DISTRICT NO.8, STATION NO.83" BY DOUGLAS LANDSEM ARCHITECTS, AND IT IS BEING USED AS BACKGROUND DRAWING. INFORMATION SHOWN MAY BE DIFFERENT FROM THE ACTUAL CONDITION. CONTRACTOR TO FIELD VERIFY.
2. SCOPE OF WORK ARE INDICATED BY TYPED NOTES.



1 BUILDING SECTION
1/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

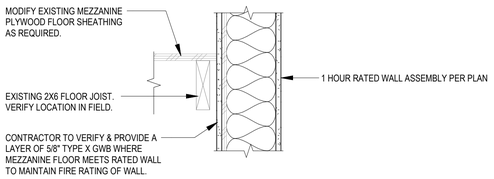
AHJ APPROVAL STAMP

BUILDING SECTION

SHEET #
A32.01

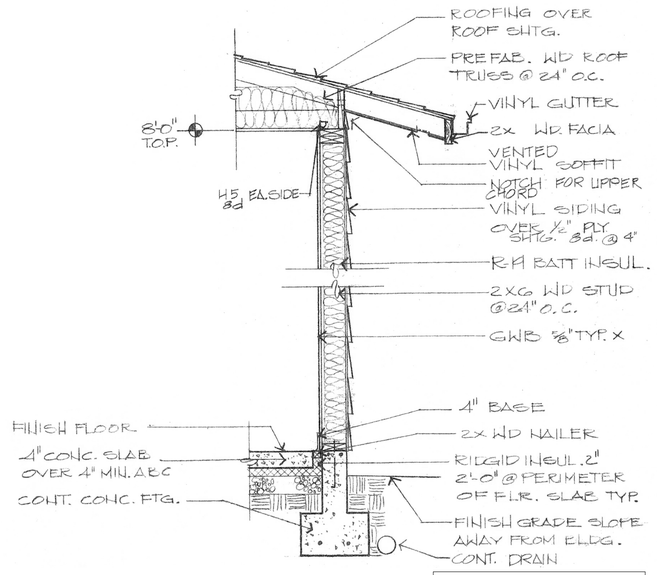
NOTES & LEGEND - SECTIONS

1. WALL SECTION DRAWINGS 1,2, 3 & HANDWRITING NOTES ARE FROM 1988 EXISTING DRAWING SET TITLED "NEW FIRE STATION FOR SNOHOMISH COUNTY FIRE PROTECTION DISTRICT NO.8, STATION NO.83" BY DOUGLAS LANDSEM ARCHITECTS, AND THEY ARE BEING USED AS BACKGROUND DRAWINGS. INFORMATION SHOWN MAY BE DIFFERENT FROM THE ACTUAL CONDITION. CONTRACTOR TO FIELD VERIFY.
2. SCOPE OF WORK ARE INDICATED BY TYPED NOTES.



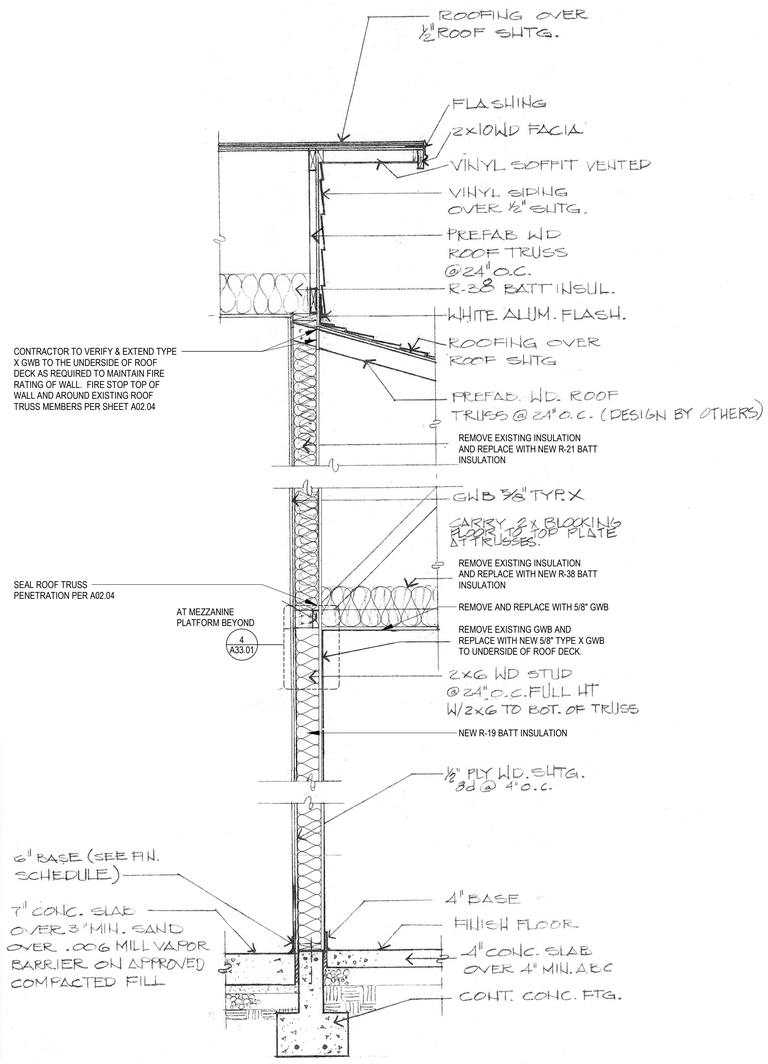
*SEE NOTES ON SHEET A03.01. CONTRACTOR TO CONFIRM EXISTING CONDITIONS MATCH DETAIL SHOWN.

4 FRAMING AT (E) MEZZANINE
1 1/2" = 1'-0"

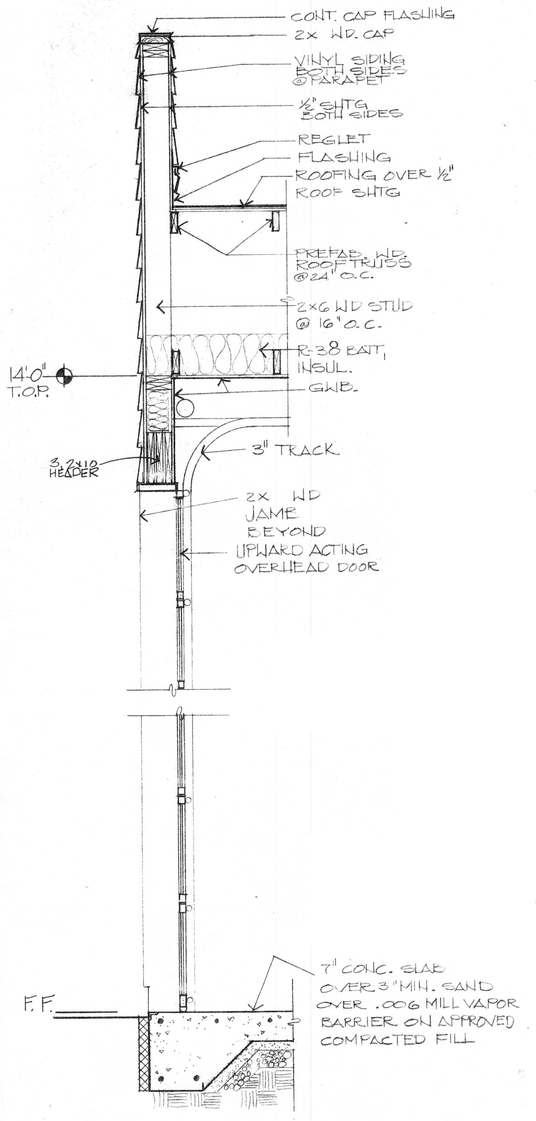


NOTE:
REFERENCE ONLY. NO SCOPE OF WORK SHOWN.

3 WALL SECTION 3
3/4" = 1'-0"



2 WALL SECTION 2
3/4" = 1'-0"



NOTE:
REFERENCE ONLY. NO SCOPE OF WORK SHOWN.

1 WALL SECTION 1
3/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

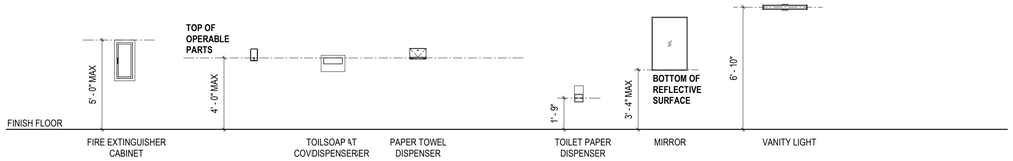
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

WALL SECTIONS

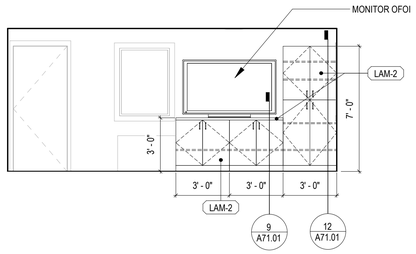
SHEET #
A33.01

TYPICAL MOUNTING HEIGHTS

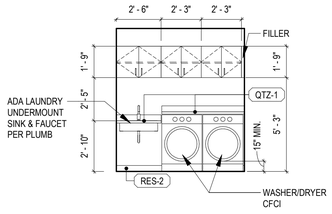


NOTES & LEGEND - INTERIOR ELEVATIONS

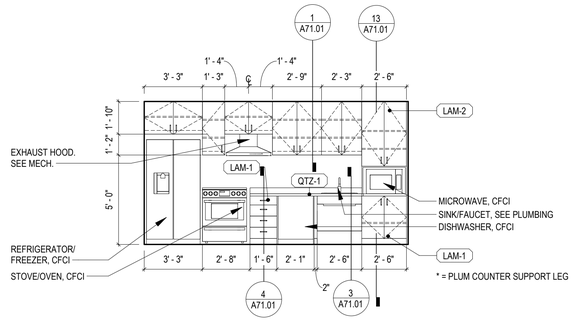
1. REFERENCE TYPICAL MOUNTING HEIGHTS UNLESS MOUNTING HEIGHT IS NOTED OTHERWISE.
2. GRAPHIC REPRESENTATION OF MATERIALS AND/OR FIXTURES MAY NOT BE TO SCALE.
3. TA-## = SEE SPECIFICATION SECTION 10 2800 FOR TOILET ACCESSORY SCHEDULES.



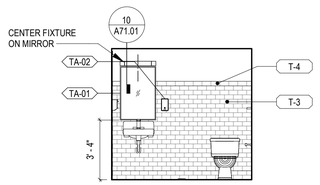
12 DAYROOM SOUTH
1/4" = 1'-0"



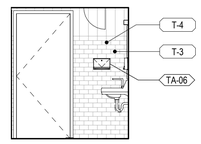
11 HALL 101 - SOUTH
1/4" = 1'-0"



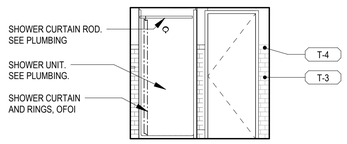
10 KITCHEN 100 - NORTH
1/4" = 1'-0"



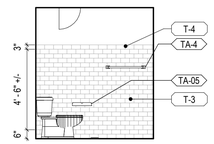
9 RESTROOM 107 - WEST
1/4" = 1'-0"



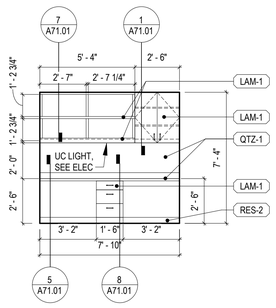
8 RESTROOM 107 - SOUTH
1/4" = 1'-0"



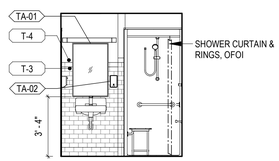
7 RESTROOM 107 - EAST
1/4" = 1'-0"



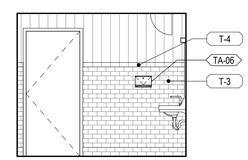
6 RESTROOM 107 - NORTH
1/4" = 1'-0"



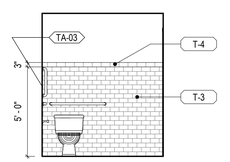
5 RADIO DESK - SOUTH
1/4" = 1'-0"



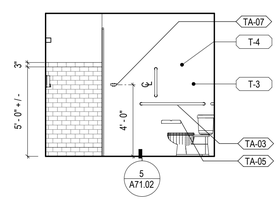
4 RESTROOM 102 - WEST
1/4" = 1'-0"



3 RESTROOM 102 - SOUTH
1/4" = 1'-0"



2 RESTROOM 102 - EAST
1/4" = 1'-0"



1 RESTROOM 102 - NORTH
1/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

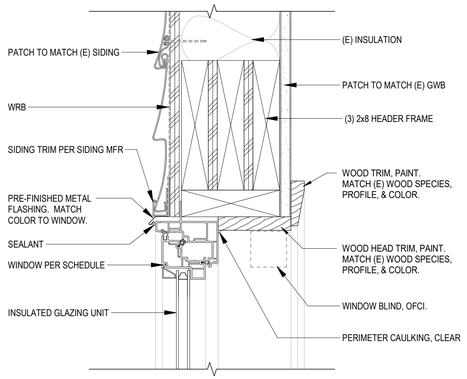
PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

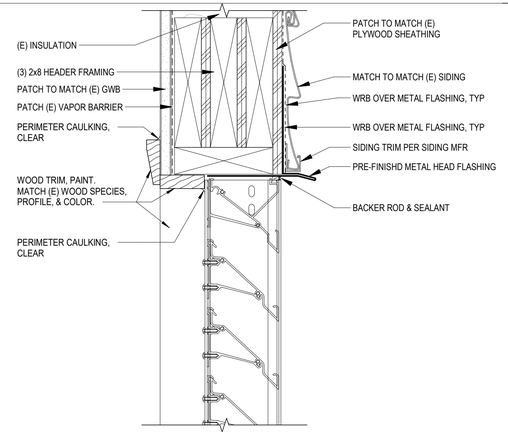
AHJ APPROVAL STAMP

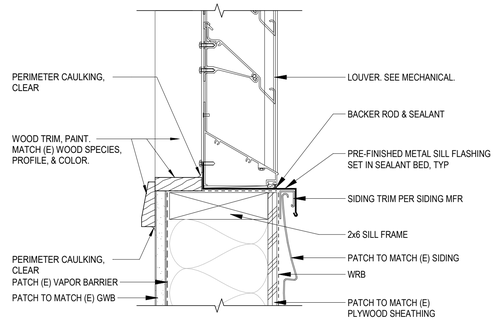
INTERIOR ELEVATIONS

SHEET #
A34.01

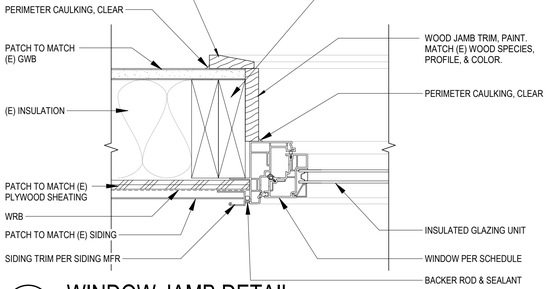


15 WINDOW HEAD DETAIL
3" = 1'-0"

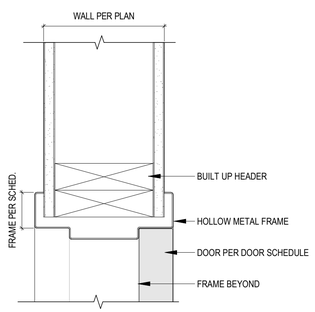




11 LOUVER HEAD & SILL DETAIL
3" = 1'-0"

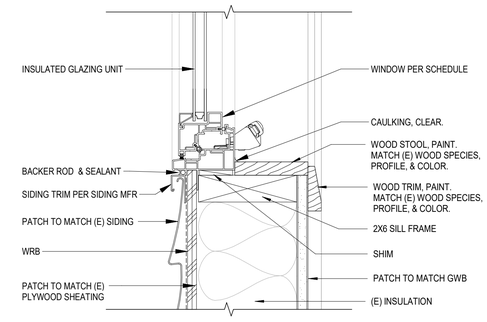


14 WINDOW JAMB DETAIL
3" = 1'-0"

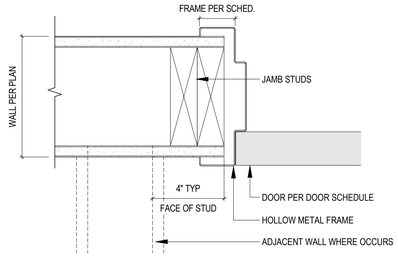


NOTE: FOR FIRE RATED FRAME, FILL FRAME WITH MINERAL FIBER INSULATION, TYP

10 HM DOOR HEAD DETAIL
3" = 1'-0"



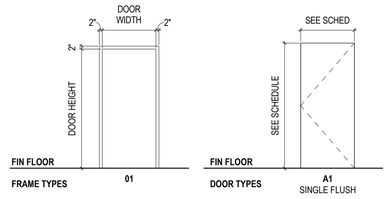
13 WINDOW SILL DETAIL
3" = 1'-0"



9 HM DOOR JAMB DETAIL
3" = 1'-0"

DOOR & FRAME TYPES

1/4" = 1'-0"

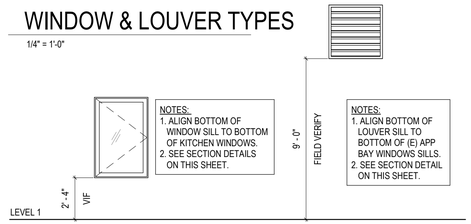


DOOR SCHEDULE

	ROOM		DOOR INFORMATION							FRAME INFORMATION			FIRE	HARDWARE	
DOOR #	NUMBER	NAME	TYPE	MATERIAL	FINISH	GLAZING	HEIGHT	WIDTH	THICKNESS	FRAME TYPE	MATERIAL	FINISH	RATING	GROUP	COMMENTS
101A	100	KITCHEN	EXISTING	WD	P-3	N/A	7' - 0"	3' - 0"	1 3/4"	EXISTING	WD	P-3		EXISTING	
101B	101	HALL	EXISTING	WD	P-3	EXISTING	7' - 0"	3' - 0"	1 3/4"	EXISTING	HM	P-3	45 MIN.	EXISTING	
102	102	RESTROOM	A1	WD	P-3	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-3		01	
103	103	SLEEP ROOM	A1	WD	P-3	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-3	20 MIN.	02	
104A	104	HALL	A1	WD	P-3	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-3		03A	
105	105	EXISTING SLEEP ROOM	EXISTING	WD	P-3	N/A	6' - 8"	2' - 8"	1 3/4"	EXISTING	WD	P-3		EXISTING	
106	106	EXISTING SLEEP ROOM	EXISTING	WD	P-3	N/A	6' - 8"	2' - 8"	1 3/4"	EXISTING	WD	P-3		EXISTING	
107	107	RESTROOM	A1	WD	P-3	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-3		01A	
108	108	STORAGE	A1	WD	P-3	N/A	7' - 0"	2' - 8"	1 3/4"	01	HM	P-3		03	
201			EXISTING	WD	P-2	N/A	6' - 8"	2' - 8"	1 3/4"	EXISTING	WD	P-2		EXISTING	

WINDOW & LOUVER TYPES

1/4" = 1'-0"



WINDOW SCHEDULE

WINDOW #	WIDTH	HEIGHT	FIRE RATING	COMMENTS
W01	3' - 0"	4' - 6"		EMERGENCY ESCAPE AND RESCUE OPENING.

ROOM FINISH SCHEDULE

ROOM INFORMATION		TYP FINISH INFORMATION, UNO				
NUMBER	NAME	WALL	BASE	FLOOR	CEILING	NOTES
100	KITCHEN	P-1	RES-2	RES-1	P-1	
101	HALL	P-1	RES-2	RES-1	P-1	
102	RESTROOM	T-3, T-4, P-1	-	RES-1	P-1	SEE ELEVATIONS FOR TILE LOCATION AND EXTENTS
103	SLEEP ROOM	P-1	RES-2	RES-1	P-1	
104	HALL	P-1	RES-2	RES-1	P-1	
104A	STORAGE	P-1	RES-2	CONC-1	P-1	
105	EXISTING SLEEP ROOM	P-1	RES-2	RES-1	P-1	
106	EXISTING SLEEP ROOM	P-1	RES-2	RES-1	P-1	
107	RESTROOM	T-3, T-4, P-1	-	CONC-1	P-1	
108	STORAGE	P-1	RES-2	CONC-1	P-1	
109	RADIO DESK	P-1	RES-2	RES-1	P-1	
110	EXISTING APPARATUS BAY	P-1	RES-2	EXIST. CONC.	P-2	

FINISH LEGEND

TAG	SPEC #	MATERIAL	MANUFACTURER	PRODUCT	FINISH	CODE	CONTACT	NOTES
CONCRETE								
CONC-1	03 30 00	SEALED CONCRETE	-	-	-	-	-	-
FIBER REINFORCEDPANEL								
FRP-1	06 83 16	FIBER REINFORCED PANEL	PALLADIUM RIGID VINYL SHEET	4' X 8'	WHITE	-	-	-
LAMINATE								
LAM-1	06 41 00	HIGH PRESSURE LAMINATE	WILSONART	WHITE SAND D403-60	MATTE FINISH	-	-	-
LAM-2	06 41 00	HIGH PRESSURE LAMINATE	WILSONART	HIGH LINE 797OK-18	LINEARITY FINISH	-	-	-
PAINT								
P-1	09 91 23	INTERIOR PAINT	BENJAMIN MOORE	OC-46	EGGSHELL	-	-	-
P-2	09 91 23	INTERIOR PAINT	BENJAMIN MOORE	OC-46	SEMI-GLOSS	-	-	-
P-3	09 91 23	INTERIOR PAINT	BENJAMIN MOORE	HC-168	SEMI-GLOSS	-	-	-
RESILIENT								
RES-1	09 65 00	LUXURY VINYL FLOOR	MOHAWK GROUP	HOT & HEAVY COLLECTION	SECOYA	-	-	-
RES-2	09 65 00	RUBBER BASE	ARMSTRONG	4" COVED WITH TOE	FLAGSTONE	-	-	-
SIMULATED STONE								
QTZ-1	12 36 00	QUARTZ COUNTERTOP	WILSONART	BODEGA Q1022	-	-	-	-
TILE								
T-1	09 30 00	PORCELAIN TILE	DALTILE	18"X18"	IP07 LIGHT GRAY	-	-	-
T-2	09 30 00	CERAMIC WALL TILE BASE	DALTILE	COLOR WHEEL 6"X6"	WHITE	-	-	6" COVE TILE BASE, UNO
T-3	09 30 00	CERAMIC WALL TILE	DALTILE	COLOR WHEEL 3"X6"	WHITE	-	-	SUBWAY TILE
T-4	09 30 00	CERAMIC WALL TILE	DALTILE	COLOR WHEEL 3"X6"	WHITE	-	-	BULLNOSE TRIM

RICEfergusMILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

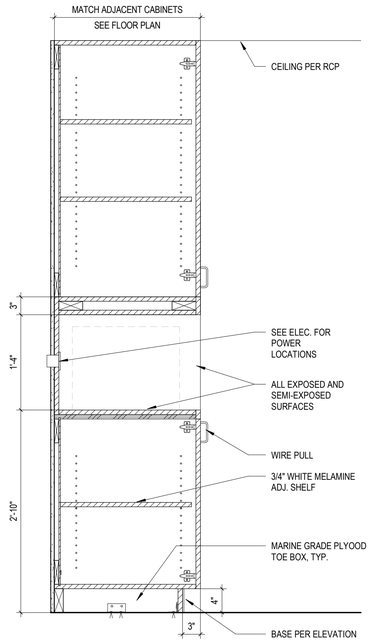
PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

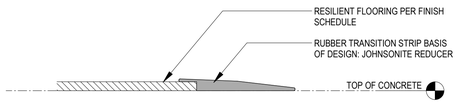
AHJ APPROVAL STAMP

DOOR TYPES & SCHEDULE, WINDOW TYPES & SCHEDULE, FINISH LEGEND & SCHEDULE

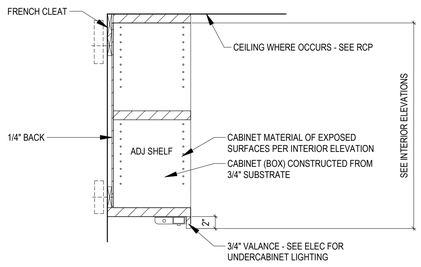
SHEET #
A60.01



13 MICROWAVE CABINET
1" = 1'-0"



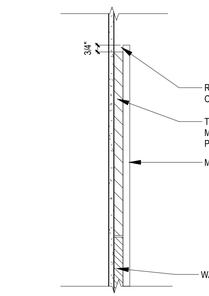
11 RESILIENT TO CONCRETE
12" = 1'-0"



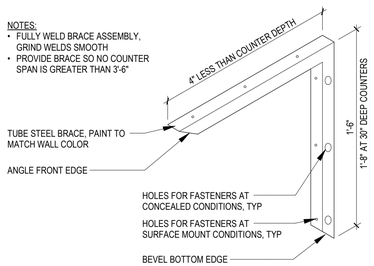
7 OPEN SHELVING
1" = 1'-0"

CASEWORK GENERAL NOTES

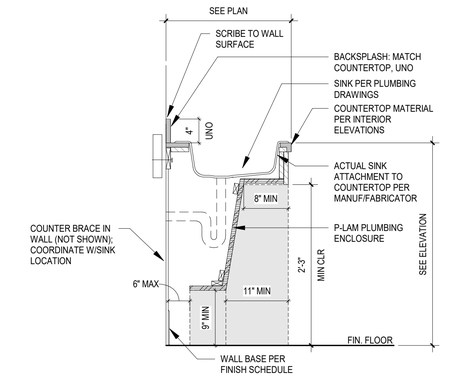
1. SEE INTERIOR ELEVATIONS FOR COUNTERTOP AND CABINET MATERIAL FINISHES.
2. SEE INTERIOR ELEVATIONS FOR DOOR AND/ OR DRAWER LOCK LOCATIONS.
3. BACKSPLASH MATERIAL TO MATCH COUNTERTOP MATERIAL UNO.
4. INSTALL FLOORING BEFORE CASEWORK.
5. SCRIBE COUNTERTOPS AND CABINETS TO WALL SURFACES.
6. PROVIDE MARINE GRADE PLYWOOD TOE BOX UNO.
7. PROVIDE 120° CONCEALED HINGES AT DOORS UNO.
8. PROVIDE FULL EXTENSION GLIDES AT DRAWERS UNO.
9. PROVIDE 96 MM WIRE PULLS AT DOORS AND DRAWERS UNO.
10. PROVIDE IN-WALL BLOCKING BEHIND CABINETS.
11. PROVIDE CONCEALED COUNTERTOP SUPPORT BRACKETS UNO.



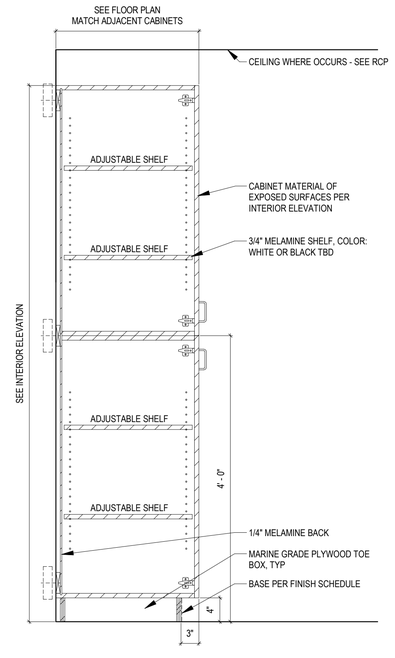
10 TYP MIRROR DETAIL
1 1/2" = 1'-0"



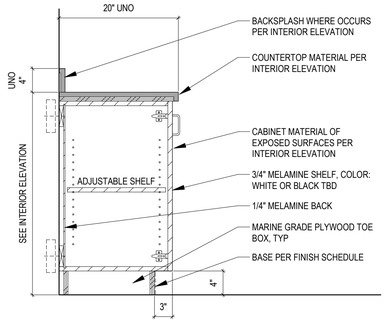
6 COUNTERTOP SUPPORT
NTS



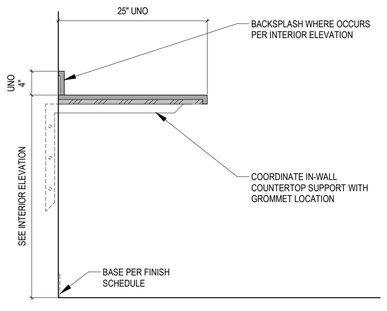
3 TYP ANGLED VANITY APRON
1" = 1'-0"



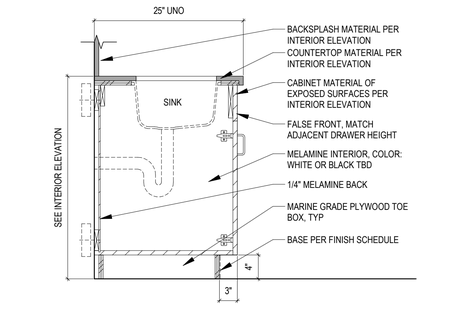
12 TALL CABINET
1" = 1'-0"



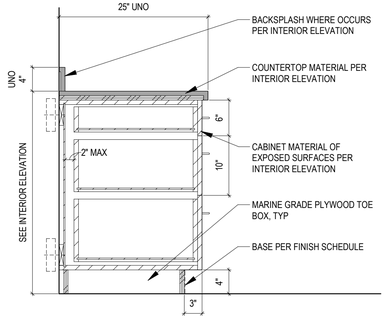
9 BASE CABINET
1" = 1'-0"



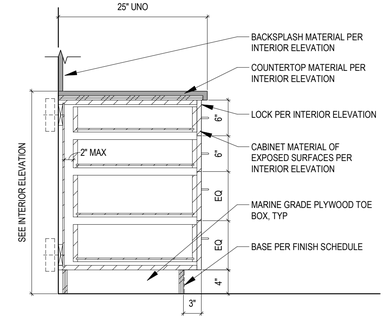
5 WORK SURFACE COUNTER
1" = 1'-0"



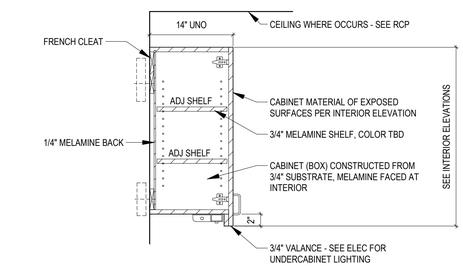
2 BASE CABINET SINK
1" = 1'-0"



8 BASE CABINET 3-DRAWER
1" = 1'-0"



4 BASE CABINET 4-DRAWER
1" = 1'-0"



1 UPPER CABINET
1" = 1'-0"

RICEfergusMILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT GUNNAR R. GLADICS STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

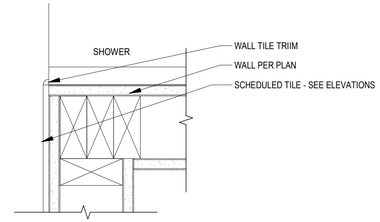
PROJECT # 2020056.00
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

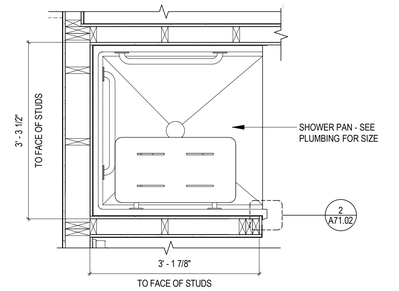
INTERIOR DETAILS

SHEET #
A71.01



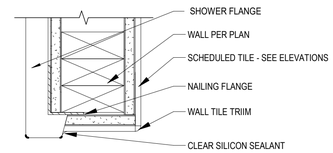
4 STANDARD SHOWER - CORNER DETAIL

3" = 1'-0"



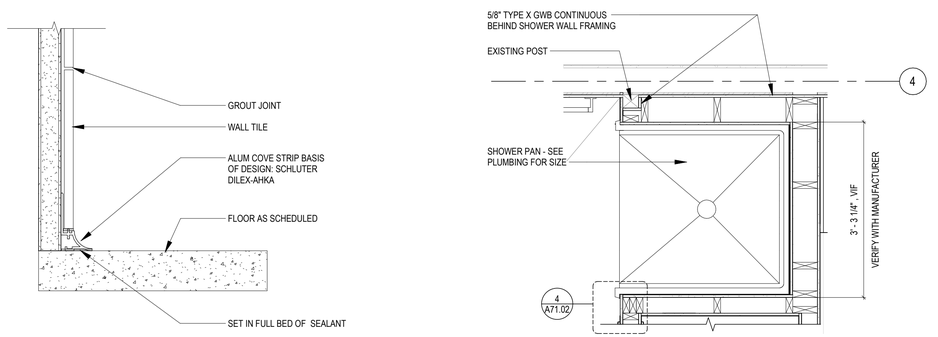
3 TRANSFER SHOWER DETAIL

3/4" = 1'-0"



2 TRANSFER SHOWER - CORNER DETAIL

3" = 1'-0"



1 STANDARD SHOWER DETAIL

3/4" = 1'-0"

5 TYP TILE BASE DETAIL

6" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 2020056.00

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

SHOWER DETAILS

SHEET #
A71.02

GENERAL

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS AND NOTES SHOWN ON THESE DRAWINGS ARE PART OF THE CONSTRUCTION CONTRACT AND SHALL BE PROVIDED BY THE CONTRACTOR. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED ON THE PLANS BUT SHALL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS AND NOTES. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND ALL OTHER CONTRACT DOCUMENTS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ENGINEER OF ALL DISCREPANCIES PRIOR TO CONSTRUCTION.

DISCREPANCIES: IN CASE OF DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, REFERENCE STANDARDS, OR GOVERNING CODE, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL NOTIFY THE ENGINEER OF DISCREPANCIES AND OBTAIN DIRECTION PRIOR TO PROCEEDING. NOTES ON INDIVIDUAL STRUCTURAL DRAWINGS SHALL TAKE PRIORITY OVER GENERAL STRUCTURAL NOTES. DIMENSIONS NOTED IN THE DRAWINGS SHALL BE FOLLOWED. DO NOT SCALE DRAWINGS.

SPECIFICATIONS: REFER TO SPECIFICATIONS FOR INFORMATION IN ADDITION TO THESE NOTES AND DRAWINGS.

ARCHITECTURAL: REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS, SLOPES, DEPRESSIONS, NON-BEARING WALLS, FASCIA, ELEVATORS, STAIRS, CURBS, DRAINS, RAILINGS, WATERPROOFING, FINISHES, ETC.

CONTRACTOR-INITIATED CHANGES: SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL AT LEAST 10 WORKING DAYS PRIOR TO FABRICATION AND CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS OR SUBMITTALS ONLY WILL NOT SATISFY THIS REQUIREMENT.

CONTRACTOR RESPONSIBILITIES: DRAWINGS REPRESENT DESIGN OF STRUCTURE IN COMPLETED FORM. CONTRACTOR SHALL BE RESPONSIBLE FOR METHODS, SEQUENCES, AND SAFETY PRECAUTIONS REQUIRED TO PERFORM WORK.

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

EXISTING CONDITIONS: CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED EITHER ON SITE OBSERVATIONS, ORIGINAL DRAWINGS, OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF EXISTING CONDITIONS DO NOT CLOSELY MATCH CONDITIONS SHOWN ON DRAWINGS, OR IF EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY THE ENGINEER PRIOR TO COMMENCING ANY WORK.

STRUCTURAL OBSERVATION SHALL BE PERFORMED PER IBC SECTION 1704.6

SPECIAL INSPECTION PER IBC SECTION 1704, SHALL BE PERFORMED BY AN AGENCY APPROVED BY THE BUILDING OFFICIAL AND AS OUTLINED IN THE STRUCTURAL INSPECTION SCHEDULE.

CODES

BUILDING CODE: THE EXISTING STRUCTURE DOES NOT CONFORM TO PRESENT EARTHQUAKE CODE REQUIREMENTS. IT HAS BEEN REINFORCED IN ACCORDANCE WITH THE INTERNATIONAL EXISTING BUILDING CODE (IEBC), PER SECTION 101.4.7 OF THE INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION, AND IS WITHIN THE CURRENT PRACTICE FOR THE RENOVATION OF EXISTING BUILDINGS OF THIS AGE AND TYPE OF CONSTRUCTION.

ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS AND THE INTERNATIONAL BUILDING CODE (IBC), 2085 EDITION, AS AMENDED BY THE STATE OF WASHINGTON.

RISK CATEGORY: IV (IBC TABLE 1604.5)

STANDARDS: REFERENCE TO ASTM AND OTHER STANDARDS SHALL MEAN THE LATEST EDITION REFERENCED IN THE 2018 IBC, UNLESS NOTED IN THESE DOCUMENTS OR DESIGNATED BY THE GOVERNING CODE.

DESIGN CRITERIA

FLOOR DESIGN DATA:

IN ADDITION TO THE SELF WEIGHT, THE FOLLOWING LOADS ARE USED FOR DESIGN:

	UNIFORM LIVE LOAD (PSF)	CONCENTRATED LIVE LOAD (LBS)	SUPERIMPOSED DEAD LOAD (PSF)	REDUCIBLE (SEE NOTE)
CORRIDORS (UNO)	100	-	5	YES
OFFICES	50	2,000	5	YES
OFFICE PARTITIONS	15	-	-	NO
SIDEWALKS AND VEHICULAR DRIVEWAYS SUBJECT	250	8,000	5	NO

WHERE APPLICABLE, LIVE LOADS HAVE BEEN REDUCED PER IBC SECTION 1607.10.2

SNOW DESIGN DATA:

GROUND SNOW LOAD	P_g = 20 PSF (ASCE 7 FIGURE 7-1)
FLAT-ROOF SNOW LOAD	P_f = 20 PSF (ASCE 7 SECTION 7.3); 25 PSF MIN UNIFORM SNOW LOAD IN ACCORDANCE WITH SEAW WHITE PAPER 8-2010
SNOW EXPOSURE FACTOR	C_e = 1.0 (ASCE 7 TABLE 7-2)
SNOW LOAD IMPORTANCE FACTOR	I_S = 1.0 (ASCE 7 SECTION 7.3.3)
THERMAL FACTOR	C_t = 1.0 (ASCE 7 TABLE 7-3)

WIND DESIGN DATA:

TYPE OF STRUCTURE	RIGID (ASCE 7 SECTION 26.9.2)
BASIC WIND SPEED	V = 115 MPH, ULTIMATE 3 SECOND GUST (ASCE 7 FIG 26.5-1A - 26.5-1C)
EXPOSURE CATEGORY	B (ASCE 7 SECTION 26.7.3)
INTERNAL PRESSURE COEFFICIENT	0.18 (ASCE 7 FIGURE 26.11-1)
ENCLOSURE CLASSIFICATION	ENCLOSED (ASCE 7 SECTION 26.10.1)
DIRECTIONALITY FACTOR	K_d = 0.85 : MWFRS (ASCE 7 TABLE 26.6-1)
TOPOGRAPHIC FACTOR	K_{zt} = 1.0 (ASCE 7 SECTION 26.8)
GUST EFFECT FACTOR	G = 0.85 (ASCE 7 SECTION 26.9.1)

EXISTING STRUCTURE EARTHQUAKE DESIGN DATA:

PERFORMANCE LEVEL	IMMEDIATE OCCUPANCY (BSE-1N) LIFE SAFETY (BSE-2N)
EXISTING SEISMIC-FORCE-RESISTING SYSTEM:	WALLS: PLYWOOD-SHEATHED SHEAR WALLS DIAPHRAGM: PLYWOOD-SHEATHED ROOF DIAPHRAGM
ANALYTICAL PROCEDURE:	LINEAR STATIC PROCEDURE
PSEUDO SEISMIC BASE SHEAR (ASCE 41 SECTION 7.4.1.3.1)	$C_1\,C_2\,C_m\,S_{a\text{-}1E}$ = 55 KIPS $C_1\,C_2\,C_m\,S_{a\text{-}2E}$ = 105 KIPS
SITE CLASS	D (ASCE 41 SECTION 2.5)
LEVEL OF SEISMICITY	HIGH (ASCE 41 SECTION 2.5)

$S_{XS\text{-}1N}$ = 0.877g (ASCE 41 SECTION 2.4.1.6)
$S_{X1\text{-}1N}$ = 0.496g (ASCE 41 SECTION 2.4.1.6)

$S_{S\text{-}2N}$ = 1.096g (ASCE 41 SECTION 2.4.1.3)
$S_{1\text{-}2N}$ = 0.388g (ASCE 41 SECTION 2.4.1.3)
$S_{XS\text{-}2N}$ = 1.316g (ASCE 41 SECTION 2.4.1.6)
$S_{X1\text{-}2N}$ = 0.742g (ASCE 41 SECTION 2.4.1.6)

GEOTECHNICAL

FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH OR CONTROLLED, COMPACTED STRUCTURAL FILL AT LEAST 18" BELOW LOWEST ADJACENT EXTERIOR FINISHED GRADE. FOOTING DEPTHS AND ELEVATIONS SHOWN ON DRAWINGS ARE MINIMUM AND FOR GUIDANCE ONLY; CONTRACTOR SHALL ESTABLISH ACTUAL ELEVATIONS IN FIELD. BACKFILL BEHIND ALL WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE IN AN APPROVED MANNER.

SOIL PROFILE TYPE	SITE CLASS D (ASSUMED)
ALLOWABLE VERTICAL DESIGN PRESSURE	2000 PSF

SUBMITTALS

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION OR CONSTRUCTION OF THESE ITEMS:

STRUCTURAL STEEL	CONCRETE MIX DESIGN
CONCRETE REINFORCING	EMBEDDED ITEMS IN CONCRETE

CONTRACTOR SHALL REVIEW AND STAMP SUBMITTALS PRIOR TO SUBMISSION. DIMENSIONS AND QUANTITIES ARE CONTRACTOR'S RESPONSIBILITY AND WILL NOT BE REVIEWED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS PLACED PRIOR TO RECEIPT OF REVIEWED SHOP DRAWINGS. CONTRACTOR SHALL ALLOW A MINIMUM OF 10 WORKING DAYS FOR REVIEW.

SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.

DEFERRED SUBMITTALS: DRAWINGS AND CALCULATIONS FOR BIDDER-DESIGNED COMPONENTS, SEALED BY THE WASHINGTON STATE REGISTERED PROFESSIONAL STRUCTURAL ENGINEER RESPONSIBLE FOR THE DESIGN, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. DEFERRED SUBMITTALS INCLUDE:

SEISMIC BRACING AND ANCHORAGE OF MECHANICAL UNITS AND FIXTURES

RAISED STEEL GENERATOR PLATFORM AND ACCESS PLATFORM. GENERATOR PLATFORM ANCHORAGE. SEE MECHANICAL FOR REQUIREMENTS OF PLATFORM HEIGHT AND ACCESS.

SUBMITTALS OF BIDDER-DESIGNED COMPONENTS SHALL INCLUDE LOCATIONS, MAGNITUDES, AND DIRECTIONS OF ALL FORCES TRANSFERRED TO THE STRUCTURE. CALCULATIONS SUBMITTED FOR BIDDER-DESIGNED COMPONENTS ARE FOR INFORMATION ONLY AND WILL NOT BE REVIEWED.

RENOVATION:

DEMOLITION: CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO SUPPORT EXISTING CONSTRUCTION AS REQUIRED AND IN A MANNER SUITABLE TO THE WORK SEQUENCES. EXISTING REINFORCING SHALL BE SAVED WHERE POSSIBLE AND AS NOTED ON DRAWINGS. SAW-CUTTING, IF AND WHERE USED, SHALL NOT CUT EXISTING REINFORCING THAT IS TO BE SAVED. DEMOLITION DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD THE EXISTING STRUCTURE. CONSTRUCTION LOADING (INCLUDING DEMOLITION DEBRIS) ON EXISTING FLOOR SYSTEMS SHALL BE LIMITED TO 40 PSF.

1. ALL NEW OPENINGS THROUGH EXISTING WALLS, SLABS, AND BEAMS SHALL BE ACCOMPLISHED BY SAWCUTTING WHEREVER POSSIBLE. ALL NEW OPENINGS SHALL BE SAWCUT NEAT AND CLEAN; NO OVERCUTTING AT OPENING CORNERS SHALL BE ALLOWED, UNLESS NOTED OTHERWISE. AS REQUIRED, CORE DRILL CORNERS AND CHIP, GRIND, OR CUT THE CORNERS TO PROVIDE REQUIRED DIMENSIONS.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LOCATION OF MEMBERS PRIOR TO CUTTING ANY OPENINGS.
3. SMALL ROUND OPENINGS SHALL BE ACCOMPLISHED BY CORE DRILLING.

CONCRETE:

REFERENCE STANDARDS: CONCRETE SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING DOCUMENTS, EXCEPT AS MODIFIED BELOW:

ACI 301	"SPECIFICATIONS FOR STRUCTURAL CONCRETE"
ACI 318	"BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
ACI 304	"GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE"
ACI 311	"GUIDE FOR CONCRETE INSPECTION"
ACI SP-15 *	"FIELD REFERENCE MANUAL"

* A COPY SHALL BE KEPT IN THE CONTRACTOR'S FIELD OFFICE AT ALL TIMES.

MATERIALS:

CEMENT	ASTM C150, C595
* AGGREGATES	ASTM C33
ADMIXTURES	ASTM C260, C494, C1017
* * FLY ASH	ASTM C618, CLASS F OR C

* AGGREGATES THAT EXHIBIT DELETERIOUS ACTIVITY WHEN EVALUATED IN ACCORDANCE WITH ASTM C33 APPENDIX XI SHALL NOT BE USED. THE 'SAND EQUIVALENT' FOR FINE AGGREGATE SHALL NOT BE LESS THAN 75.

* * MAXIMUM LOSS ON IGNITION SHALL BE 1%.

CONCRETE MIXES SHALL BE PROPORTIONED TO ACHIEVE A WORKABLE MIX THAT CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW BY ENGINEER PRIOR TO USE. COMPLY WITH IBC SECTION 1904. MIXES SHALL MEET OR EXCEED THE FOLLOWING CRITERIA:

TYPE OF CONSTRUCTION	SPECIFIED COMPRESSIVE STRENGTH (f 'c) AT 28 DAYS, UNO	MAXIMUM WATER/CEMENT RATIO	EXPOSURE CLASS (ACI 318-14 TABLES 19.3.1.1 AND 19.3.2.1)
CONCRETE EXPOSED TO WEATHER (BASEMENT WALLS)	4,500 PSI	0.45	F2, S0, W0, C1
BELOW-GRADE CONCRETE (FOOTINGS)	3,500 PSI	0.55	F1, S0, W0, C1
MISCELLANEOUS EXTERIOR CONCRETE (EXTERIOR SLABS AND SITE WALLS)	4,500 PSI	0.45	F2, S0, W0, C1
INTERIOR SLABS-ON-GRADE	4,000 PSI	0.40* *	F0, S0, W0, C1

CONCRETE MIXES SHALL MEET OR EXCEED THE REQUIREMENTS SPECIFIED ABOVE. MIXES SHALL BE SUBMITTED TO THE ENGINEER AND BUILDING OFFICIAL FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE AND SHALL INCLUDE THE AMOUNTS OF CEMENT, CEMENTITIOUS MATERIAL, FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES, AS WELL AS THE WATER-CEMENT RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH ACI 318, CHAPTER 26. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THAT INFORMATION PRESENTED CONFORMS GENERALLY WITH CONTRACT DOCUMENTS. CONTRACTOR OR SUPPLIER MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.

ADMIXTURES: ALL CONCRETE, INCLUDING SLABS ON GRADE, SHALL HAVE A WATER-REDUCING ADMIXTURE COMPLYING WITH ASTM C494 ADDED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CALCIUM CHLORIDE OR OTHER CHLORIDE ADMIXTURES SHALL NOT BE USED.

ALL HORIZONTAL SURFACES EXPOSED TO WEATHER SHALL CONTAIN AN AIR-ENTRAINING AGENT COMPLYING WITH ASTM C260. THE AMOUNT OF ENTRAINED AIR SHALL BE IN ACCORDANCE WITH ACI 318-14 TABLE 19.3.3.1. TESTS FOR AIR CONTENT SHALL BE MADE AT THE DISCHARGE END OF THE TRUCK'S PLACING HOSE IN ACCORDANCE WITH ASTM C173.

WATER/CEMENT RATIO SHALL BE MEASURED BY WEIGHT AND BE BASED ON TOTAL CEMENTITIOUS MATERIAL, INCLUDING CEMENT AND POZZOLANS SUCH AS FLY ASH AND SILICA FUME.

MAXIMUM AGGREGATE SIZE SHALL BE 1 1/2", BUT NOT MORE THAN 3/4 TIMES THE CLEAR DISTANCE BETWEEN REINFORCING BARS NOR 1/5 TIMES THE NARROWEST DIMENSION BETWEEN SIDES OF FORMS. MAXIMUM AGGREGATE SIZE FOR SLABS ON GRADE SHALL BE 1/3 TIMES THE SLAB THICKNESS.

SLUMP REQUIRED FOR PROPER PLACEMENT SHALL BE DETERMINED BY CONTRACTOR AND SUPPLIER, AND INCLUDED IN MIX DESIGN SUBMITTALS. FIELD MEASURED SLUMP SHALL CONFORM TO SUBMITTED CONCRETE MIX DESIGN. SLUMP SHALL CONFORM TO ASTM C94.

EMBEDDED ITEMS: CONDUIT AND SLEEVES SHALL NOT BE EMBEDDED IN OR PASS THROUGH CONCRETE WITHOUT APPROVAL. ALUMINUM ITEMS SHALL NOT BE EMBEDDED IN CONCRETE. SUBMIT CONDUIT LAYOUT AND EMBEDDED ITEM PLANS TO THE ARCHITECT FOR REVIEW BY ENGINEER PRIOR TO PLACING CONCRETE.

BONDING AGENT SHALL BE EPOXY RESIN BASED CONFORMING TO ASTM C881, TYPE V, GRADE 2. USE WHERE NEW CONCRETE IS PLACED AGAINST PREVIOUSLY PLACED OR EXISTING CONCRETE. PLACE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, INCLUDING PREPARATION OF EXISTING SURFACES.

NON-SHRINK GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 6,000 PSI AT 28 DAYS, BUT NOT LESS THAN THE MATERIAL ON WHICH IT IS PLACED UPON.

COORDINATION: SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF DOOR AND WINDOW OPENINGS IN CONCRETE WALLS. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF MISCELLANEOUS MECHANICAL OPENINGS THROUGH CONCRETE CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE, AND OTHER FINISH DETAILS AT EXPOSED CONCRETE SURFACES.

SHEET INDEX

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATE OF WASHINGTON 43107 REGISTERED PROFESSIONAL ENGINEER
06/12/23

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 262021.038

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/2022

AHJ APPROVAL STAMP

GENERAL NOTES

SHEET #

S00.00

CONCRETE REINFORCEMENT

REFERENCE STANDARDS: CONCRETE REINFORCEMENT SHALL CONFORM TO ALL REQUIREMENTS OF THEFOLLOWING CODES, SPECIFICATIONS, AND STANDARDS, EXCEPT AS MODIFIED BELOW:

ACI 301	"SPECIFICATIONS FOR STRUCTURAL CONCRETE"
ACI SP-66	"ACI DETAILING MANUAL"
ACI 318	"BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
CRSI	"PLACING REINFORCING BARS"
CRSI	"MANUAL OF STANDARD PRACTICE" MSP-1
WRI	"WELDED WIRE FABRIC MANUAL OF STANDARD PRACTICE"

MATERIALS:

DEFORMED BARS	ASTM A615, GRADE 60
EPOXY COATED DEFORMED BARS	ASTM A775, GRADE 60
SEISMIC DEFORMED BARS*	ASTM A706, GRADE 60 LOW ALLOY
SMOOTH WELDED WIRE	ASTM A185, Fy = 56KSI (W1.2 AND SMALLER) (65 KSI FOR W1.4 AND LARGER)
DEFORMED WELDED WIRE	ASTM A497, 70 KSI YIELD
DEFORMED BAR ANCHORS	ASTM A496, 75 KSI YIELD
BAR SUPPORTS	CONFORM TO CHAPTER 3, CRSI MSP-1
WELDED HEADED STUDS	ASTM A108

* SEISMIC DEFORMED BARS (A706, GRADE 60) SHALL BE USED FOR LONGITUDINAL REINFORCEMENT IN COLUMNS, PILES, STRUT MEMBERS, COUPLING BEAMS, VERTICAL REINFORCEMENT IN SHEAR WALLS, AND MOMENT FRAMES. ASTM A615, GRADE 60 BARS MAY BE USED IF:

1. ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED STRENGTH BY MORE THAN18 KSI (RETESTS SHALL NOT EXCEED THIS VALUE BY MORE THAN AN ADDITIONAL 3 KSI).
2. PER ACI 318-14, SECTION 20.2.2.5 THE MINIMUM ELONGATION IN 8 INCHES SHALL BE AT LEAST 14 PERCENT FOR BAR SIZES NO. 3 THROUGH NO. 6, AT LEAST 12 PERCENT FOR BAR SIZES NO. 7 THROUGH NO. 11, AND AT LEAST 10 PERCENT FOR BAR SIZES NO. 14 AND NO. 18.
3. IF MILL TEST REPORTS ARE NOT AVAILABLE, REINFORCEMENT SHALL BE TESTED PER THE SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.

REINFORCEMENT SHALL BE PLACED AND SUPPORTED IN ACCORDANCE WITH CRSI MSP-1. REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH ACI SP-66. NO BENDING OR STRAIGHTENING OF REINFORCEMENT WILL BE PERMITTED AFTER PARTIAL EMBEDMENT IN CONCRETE.

REINFORCING STEEL SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI 315 AND ACI 318. LAP ALL CONTINUOUS REINFORCEMENT (#5 AND SMALLER) 40 BAR DIAMETERS OR 2'-0" MINIMUM UNLESS OTHERWISE NOTED. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS. LAP CORNER BARS (#5 AND SMALLER) 40 BAR DIAMETERS OR 2'-0" MINIMUM. LAPS OF LARGER BARS SHALL BE MADE IN ACCORDANCE WITH ACI 318, CLASS B. LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.

NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS OTHERWISE NOTED ON THE DRAWINGS OR APPROVED BY THE ENGINEER.

WELDING OR TACK WELDING OF REINFORCING BARS TO OTHER BARS OR TO PLATES, ANGLES, ETC IS PROHIBITED, EXCEPT WHERE SPECIFICALLY NOTED IN DETAILS. WHERE WELDING IS NOTED, IT SHALL BE DONE BY AWS/WABO CERTIFIED WELDERS USING E9018 ELECTRODES. WELDING PROCEDURES SHALL COMPLY WITH AWS-D1.4.

CONCRETE COVER: UNLESS NOTED OTHERWISE, MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE:

SLABS ON GRADE	2" BOTTOM
FOOTINGS	3" (EXCEPT 2" TOP AND FORMED SIDES)

CONCRETE ANCHORAGE

EXPANSION BOLTS INTO CONCRETE SHALL BE ONE OF THE FOLLOWING. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND APPLICABLE IAPMO OR ICC-ES REPORTS. NOMINAL EMBEDMENT DEPTH SHALL BE AS NOTED BELOW, UNLESS NOTED OTHERWISE.

HILTI KWIK BOLT TZ (ESR-1917)	
3/8" EXPANSION BOLTS	2 5/16"
1/2" EXPANSION BOLTS	3 5/8"
5/8" EXPANSION BOLTS	4 7/16"
3/4" EXPANSION BOLTS	5 9/16"
SIMPSON STRONG-BOLT 2 (ESR 3037)	
3/8" EXPANSION BOLTS	2 7/8"
1/2" EXPANSION BOLTS	3 7/8"
5/8" EXPANSION BOLTS	5 1/8"
3/4" EXPANSION BOLTS	5 3/4"
DEWALT POWER STUD+ SD2 (ESR 2502)	
3/8" EXPANSION BOLTS	2 3/8"
1/2" EXPANSION BOLTS	3 3/4"
5/8" EXPANSION BOLTS	4 7/8"
3/4" EXPANSION BOLTS	5 3/4"

EPOXY-GROUTED RODS OR REBAR TO CONCRETE SHALL BE GROUTED WITH ONE OF THE FOLLOWING:
HILTI HIT-RE 500-V3 (ESR 3814), HILTI HIT-HY200 (ESR-3187), SIMPSON SET-XP (ESR 2508), OR DEWALT PURE110+ (ESR-3298). INSTALL PER MANUFACTURER'S INSTRUCTIONS AND APPLICABLE IAPMO OR ICC-ES REPORTS. EMBEDMENT DEPTHS SHALL BE AS NOTED BELOW, UNLESS NOTED OTHERWISE.

3/8" ROD OR #3 BAR	4"
1/2" ROD OR #4 BAR	5"
5/8" ROD OR #5 BAR	7"
3/4" ROD OR #6 BAR	9"
7/8" ROD OR #7 BAR	12"
1" ROD OR #8 BAR	15"

HEAVY DUTY SCREW ANCHORS INTO CONCRETE SHALL BE SIMPSON TITEN HD (ESR-2713), DEWALT SCREW-BOLT+ (ESR-3889) OR HILTI KWIK HUS EZ (ESR-3027).

DRIVE PINS AND OTHER POWDER-ACTUATED FASTENERS SHALL BE ITW RAMSET/RED HEAD (ESR-1799), HILTI XU LOW VELOCITY (ESR-2269), OR DEWALT POWER ACTUATED FASTENERS (ESR-2024).

UNDERCUT ANCHORS SHALL BE USP DUC (ESR-1970), HILTI HDA (ESR-1546) OR POWERS ATOMIC+ UNDERCUT ANCHOR (ESR-3067).

POST-INSTALLED ANCHORS SHALL NOT BE USED AS SUBSTITUTES FOR CAST-IN-PLACE ANCHOR BOLTS OR REINFORCING STEEL UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER.

PRODUCT SUBSTITUTES PROPOSED BY THE CONTRACTOR SHALL BE SUBMITTED FOR REVIEW WITH IAPMO OR ICC-ES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES.

NO REINFORCING BARS SHALL BE CUT TO PLACE POST-INSTALLED ANCHORS. ALL DEFECTIVE ANCHOR HOLES SHALL BE GROUTED WITH EPOXY ADHESIVE AND A NEW HOLE DRILLED A MINIMUM OF 3 BOLT DIAMETERS AWAY.

WOOD

REFERENCE STANDARDS: WOOD SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING DOCUMENTS:

AITC TCM	"TIMBER CONSTRUCTION MANUAL"
ANSI/AWC NDS	"NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION"
ANSI/AWC SDPWS	"SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC"
AWC WCD No. 4	"WOOD CONSTRUCTION DATA - PLANK AND BEAM FRAMING FOR RESIDENTIAL BUILDINGS"
AWC WFCM	"WOOD FRAME CONSTRUCTION MANUAL FOR ONE- AND TWO-FAMILY DWELLINGS"
ANSI/AITC A190.1	"STRUCTURAL GLUED LAMINATED TIMBER"
AITC A117	"STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED TIMBER OF SOFTWOOD SPECIES"
AWPA C1	"ALL TIMBER PRODUCTS-PRESERVATIVE TREATMENT BY PRESSURE PROCESS"
TPI 1	"NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSS CONSTRUCTION"

ALL WOOD FRAMING DETAILS SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE IBC. MINIMUM NAILING SHALL CONFORM TO IBC TABLE 2304.10.1 OR CURRENT ICC-ES REPORT ESR-1539, UNLESS OTHERWISE NOTED. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. INSTALL WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. INSTALLATION OF LAG SCREWS SHALL CONFORM TO NDS SECTION 12.1.4, AND INSTALLATION OF BOLTS SHALL CONFORM TO NDS SECTION 12.1.3.

WALL FRAMING: TWO STUDS MINIMUM SHALL BE INSTALLED AT THE ENDS OF ALL WALLS, UNLESS OTHERWISE NOTED. INSTALL SOLID BLOCKING FOR WOOD COLUMNS THROUGH FLOOR SPACES TO SUPPORTS BELOW.

ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH 16d NAILS AT 12" OC STAGGERED OR BOLTED TO CONCRETE WITH 5/8" DIAMETER ANCHOR BOLTS @ 4'-0" OC PER IBC SECTION 2308.3 (EMBED 7"), UNLESS OTHERWISE NOTED. 3" x 3" x 0.229" PLATE WASHERS SHALL BE USED WITH ALL SILL PLATE ANCHOR BOLTS PER IBC SECTION 2308.3.2 AND SDPWS SECTION 4.3.6.4.3. INDIVIDUAL MEMBERS OF BUILT-UP STUD POSTS SHALL BE NAILED TO EACH OTHER WITH 16d @ 12" OC STAGGERED.

ALL PRESSURE-TREATED (P-T) WOOD MEMBERS SPECIFIED ON THE DRAWINGS SHALL BE PRESSURE-TREATED WITH COPPER AZOLE CA-B (HEM-FIR ONLY), OR ALKALINE COPPER QUAT (ACQ-C FOR DOUGLAS-FIR, OR ACQ-D FOR HEM-FIR) PRESERVATIVES UNLESS OTHERWISE NOTED. AMMONIACAL COPPER ZINC ARSENATE (ACZA) PRESERVATIVE, OR OTHER PRESERVATIVES WITH AMMONIA CARRIERS, SHALL NOT BE USED. SEE GENERAL STRUCTURAL NOTES BELOW FOR MATERIAL REQUIREMENTS OF CONNECTORS AND FASTENERS IN CONTACT WITH PRESSURE-TREATED MEMBERS. INSTALL (2) LAYERS OF ASPHALT-IMPREGNATED BUILDING PAPER BETWEEN UNTREATED LEDGERS, BLOCKING, ETC., AND CONCRETE OR MASONRY.

SAWN LUMBER: SAWN LUMBER SHALL BE IDENTIFIED BY THE GRADE MARK OF A LUMBER GRADING OR INSPECTION AGENCY APPROVED BY AN ACCREDITATION BODY COMPLYING WITH US DEPARTMENT OF COMMERCE PS20. FRAMING LUMBER SHALL BE KILN DRIED OR MC-19, AND GRADED AND MARKED IN CONFORMANCE WITH W.C.L.B. STANDARD GRADING RULES FOR WEST COAST LUMBER NO. 17. SAWN LUMBER SPECIES AND GRADES SHALL BE AS FOLLOWS:

JOISTS: (2x MEMBERS)	DOUGLAS FIR NO. 2 Fb = 900 PSI, Fv = 180 PSI, E = 1,600 KSI
(3x AND 4x MEMBERS)	DOUGLAS FIR NO. 1 Fb = 1,000 PSI, Fv = 180 PSI, E = 1,700 KSI
BEAMS AND STRINGERS: (INCLUDING 6x AND LARGER MEMBERS)	DOUGLAS FIR NO. 1 Fb = 1,350 PSI, Fv = 170 PSI, E = 1,600 KSI
POSTS: (4x MEMBERS)	DOUGLAS-FIR NO. 1 Fc = 1,500 PSI, E = 1,700 KSI
(6x AND LARGER MEMBERS)	DOUGLAS FIR NO. 1 Fc = 1,000 PSI, E = 1,600 KSI
STUDS, PLATES, LEDGERS & MISCELLANEOUS LIGHT FRAMING:	DOUGLAS FIR NO. 2 Fb = 900 PSI, E = 1,600 PSI, Fc = 1,350 PSI, Ft = 575 PSI

NAILING NOT SPECIFICALLY NOTED IN DRAWINGS SHALL BE AS SHOWN IN IBC TABLE 2304.10.1. NAILS SHALL COMPLY WITH ASTM F1667. MINIMUM NAIL DIMENSIONS SHALL BE AS FOLLOWS:

SIZE	DIAMETER	LENGTH
6d	0.113"	2"
8d	0.131"	2 1/2"
10d	0.148"	3"
12d	0.148"	3 1/4"
16d	0.162"	3 1/2"
20d	0.192"	4"

BOLTS SHALL CONFORM TO ASTM A307. LAG SCREWS SHALL CONFORM TO ASME B18.2.1. INSTALL WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. INSTALLATION OF LAG SCREWS SHALL CONFORM TO 2015 NDS SECTION 11.1.4, AND INSTALLATION OF BOLTS SHALL CONFORM TO 2015 NDS SECTION 11.1.3. PRE-DRILL HOLES FOR LAG SCREWS TO AVOID SPLITTING.

ALL TIMBER FASTENERS IN CONTACT WITH PRESERVATIVE-TREATED OR FIRE-TREATED WOOD SHALL BE POST HOT DIP GALVANIZED PER ASTM A153.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

COMMONWEALTH OF WASHINGTON
43107
PROFESSIONAL ENGINEER
06/12/23

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 262021.038

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

GENERAL NOTES

SHEET #
S00.01

SEE EARTHQUAKE DESIGN DATA SECTION OF THE GENERAL STRUCTURAL NOTES ON S0.00 FOR SEISMIC-FORCE RESISTING-SYSTEMS. SEISMIC-FORCE-RESISTING SYSTEMS (INCLUDING DRAG STRUTS AND CHORDS) ARE SUBJECT TO SPECIAL INSPECTION IN ACCORDANCE WITH THE FOLLOWING SEISMIC AND NON-SEISMIC TABLES. STRUCTURAL SYSTEMS NOT PART OF THE SEISMIC-FORCE-RESISTING SYSTEM NEED ONLY BE INSPECTED IN ACCORDANCE WITH NON-SEISMIC TABLES.

SPECIAL INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD [1]	IBC REFERENCE
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS [2]				
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X	-	ACI 318: 17.8.2.4	-
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4a	-	X	ACI 318: 17.8.2	-

[1] WHERE APPLICABLE, SEE ALSO IBC SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED

[2] SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK.

SEISMIC REQUIREMENTS FOR WOOD CONSTRUCTION

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. FIELD GLUING OF SEISMIC ELEMENTS	X		AF AND PA SDPWS - 2015	1705.12.2
2. NAILING BOLTING, ANCHORING AND FASTENING OF WOOD SHEAR WALLS, WOOD DIAPHRAGM, COLLECTORS / DRAG STRUTS, BRACES, SHEAR PANELS AND HOLDOWNS		X	AF AND PA SDPWS - 2015	1705.12.2

REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	REFERENCE STANDARD	IBC REFERENCE
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	-	X	-	1705.6
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	-	X	-	1705.6
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	-	X	-	1705.6
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X	-	-	1705.6
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	-	X	-	1705.6

NON-STRUCTURAL COMPONENTS SEISMIC REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCED
1. DESIGNATED SEISMIC SYSTEM				
a. VERIFY THE LABEL, ANCHORAGE AND MOUNTING CONFORMS TO THE CERTIFICATE OF COMPLIANCE		X	ASCE 7 SECTION 13.2	1705.12.4
2. ARCHITECTURAL COMPONENTS				
a. ERECTION AND FASTENING OF b. EXTERIOR CLADDING [1, 2]		X	-	1705.12.5
b. ERECTION AND FASTENING OF INTERIOR [3] AND EXTERIOR NON-BEARING WALLS [1, 2]		X	-	1705.12.5
c. ERECTION AND FASTENING OF INTERIOR AND EXTERIOR VENEER [1, 2]		X	-	1705.12.5
d. ANCHORAGE OF ACCESS FLOORS		X	-	1705.12.5.1
3. PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS				
a. ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS		X	-	1705.12.6
b. ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT		X	-	1705.12.6
c. INSTALLATION AND ANCHORAGE OF PIPING SYSTEM DESIGNED TO CARRY HAZARDOUS MATERIALS AND THERE ASSOCIATED MECHANICAL UNITS		X	-	1705.12.6
d. INSTALLATION AND ANCHORAGE OF DUCTWORK DESIGNED TO CARRY HAZARDOUS MATERIALS		X	-	1705.12.6
e. INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEM WHERE THE NOMINAL CLEARANCE BETWEEN THE EQUIPMENT SUPPORT FRAME AND RESTRAIN IS 1/4 INCH OR LESS		X	-	1705.12.6
4. STORAGE RACK				
a. ANCHORAGE OF STORAGE RACKS 8 FEET OR GREATER IN HEIGHT		X	-	1705.12.7

[1] SPECIAL INSPECTION IS NOT REQUIRED FOR EXTERIOR CLADDING, INTERIOR AND EXTERIOR NONBEARING WALLS AND INTERIOR AND EXTERIOR VENEER 30 FEET OR LESS IN HEIGHT ABOVE GRADE [OR A WALKING SURFACE].

[2] SPECIAL INSPECTION IS NOT REQUIRED FOR EXTERIOR CLADDING AND INTERIOR AND EXTERIOR VENEER WEIGHING 5 PSF OR LESS. SPECIAL INSPECTION IS NOT REQUIRED FOR INTERIOR NON-BEARING WALLS WEIGHING 15 PSF OR LESS.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

COMMONWEALTH OF WASHINGTON 43107 PROFESSIONAL ENGINEER
06/12/23

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 262021.038

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

SPECIAL INSPECTIONS

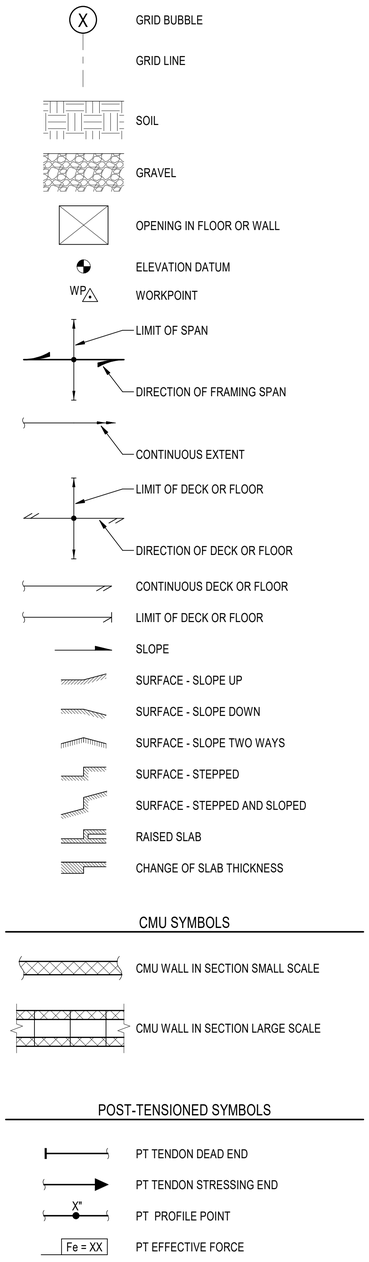
SHEET #
S00.03

ABBREVIATIONS

&	AND	FD	FLOOR DRAIN	PCC	PRECAST CONCRETE
@	AT	FDN	FOUNDATION	PCF	POUNDS PER CUBIC FOOT
AB	ANCHOR BOLT	FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	PEN	PENETRATION
ABV	ABOVE			PERP	PERPENDICULAR
ACI	AMERICAN CONCRETE INSTITUTE	FF	FINISH FLOOR	PL	PLATE
ADDL	ADDITIONAL	FIN	FINISH	PLCS	PLACES
ADJ	ADJACENT	FLR	FLOOR	PLF	POUNDS PER LINEAR FOOT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FLG	FLANGE	PLS	PLATES
AISI	AMERICAN IRON AND STEEL INSTITUTE	FOS	FACE OF STUD	PLWD	PLYWOOD
ALT	ALTERNATE	FRT	FIRE RETARDANT TREATED	PNL	PANEL
ANCH	ANCHOR	FS	FAR SIDE	PP, PJP	PARTIAL JOINT PENETRATION
APA	AMERICAN PLYWOOD ASSOCIATION	FT, '	FEET	PRCST	PRECAST
APPROX	APPROXIMATE	FTG	FOOTING	PREFAB	PREFABRICATED
AR	ANCHOR ROD	FTGS	FOOTINGS	PSF	POUNDS PER SQUARE FOOT
ARCH	ARCHITECT, ARCHITECTURAL			PSI	POUNDS PER SQUARE INCH
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	GA	GAGE, GAUGE	PSL	PARALLEL STRAND LUMBER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GALV	GALVANIZED	P-T	PRESSURE TREATED
AWS	AMERICAN WELDING SOCIETY	GB, GR BM	GRADE BEAM	PT	POST-TENSIONED
		GC	GENERAL CONTRACTOR	PVC	POLYVINYL CHLORIDE
B/	BOTTOM OF	GEN	GENERAL		
BC	BOTTOM CHORD	GL	GLUE LAMINATED WOOD	R	RADIUS
BF	BRACED FRAME	GLB	GLUE LAMINATED BEAM	RB	RIM BOARD
BLDG	BUILDING	GRND	GROUND	RD	ROOF DRAIN
BLKG	BLOCKING	GSN	GENERAL STRUCTURAL NOTES	REBAR	REINFORCING STEEL BARS
BM	BEAM	GYP	GYPSUM	REF	REFERENCE
BMS	BEAMS	GWB	GYPSUM WALL BOARD	REINF	REINFORCE, REINFORCING
BOF	BOTTOM OF FOOTING			REM	REMAINDER
BOT	BOTTOM	HD	HOLDOWN	REQD	REQUIRED
B PL	BASE PLATE	HDR	HEADER	REV	REVISION
BRG	BEARING	HGR	HANGER		
BTWN	BETWEEN	HK	HOOK	SCHED	SCHEDULE
BU	BUILT-UP	HORIZ	HORIZONTAL	SECT	SECTION
		HPT	HIGH POINT	SHT	SHEET
C	CHANNEL	HSS	HOLLOW STRUCTURAL SECTION	SHTHG	SHEATHING
CANTIL	CANTILEVER	HT	HEIGHT	SIM	SIMILAR
CDF	CONTROL DENSITY FILL			SJI	STEEL JOIST INSTITUTE
CG	CENTER OF GRAVITY	IBC	INTERNATIONAL BUILDING CODE	SOG	SLAB ON GRADE
CIP	CAST-IN-PLACE	ID	INSIDE DIAMETER	SPC	SPACE, SPACING
CJ	CONTROL JOINT	I.F.	INSIDE FACE	SPEC	SPECIFICATION
CJP, CP	COMPLETE JOINT PENETRATION	IJ	ISOLATION JOINT	SQ	SQUARE
CL	CENTERLINE	IN, "	INCH	SST	STAINLESS STEEL
CLDG	CLADDING	INCL	INCLUDE	SSH	SHORT SLOTTED HOLE
CLR	CLEAR	INFO	INFORMATION	STAG	STAGGER, STAGGERED
CMU	CONCRETE MASONRY UNIT	INT	INTERIOR	STD	STANDARD
COL	COLUMN			STIFF	STIFFENER
COLS	COLUMNS	JST	JOIST	STIR	STIRRUP
CONC	CONCRETE	JSTS	JOISTS	STL	STEEL
CONN	CONNECT, CONNECTION	JT	JOINT	STRUCT	STRUCTURAL
CONST	CONSTRUCTION			SW	SHEAR WALL
CONT	CONTINUE, CONTINUOUS	K	KIP (1,000 LBS)	SYMM	SYMMETRICAL
CONTR	CONTRACTOR	KSF	KIPS PER SQUARE FOOT		
COORD	COORDINATE	KSI	KIPS PER SQUARE INCH	T/	TOP OF
CRSI	CONCRETE REINFORCING STEEL INSTITUTE			T&B	TOP AND BOTTOM
CSJ	CONSTRUCTION JOINT	L	ANGLE	T&G	TONGUE AND GROOVE
CTR	CENTER, CENTERED	LBS, #	POUNDS	TBD	TO BE DETERMINED
CU FT	CUBIC FEET	LF	LINEAL FOOT	TC	TOP CHORD
CU YD	CUBIC YARD	LL	LIVE LOAD	TEMP	TEMPERATURE
		LLBB	LONG LEGS BACK TO BACK	THK	THICK, THICKNESS
d	PENNYWEIGHT (NAILS)	LLH	LONG LEG HORIZONTAL	THP	TENDON HIGH POINT
(d)	DROPPED BEAM	LLV	LONG LEG VERTICAL	THRU	THROUGH
D-B	DESIGN-BUILD	LOC	LOCATION	TN	TOE NAIL
DBA	DEFORMED BAR ANCHOR	LOCS	LOCATIONS	TOC	TOP OF CONCRETE
DBL	DOUBLE	LONGIT	LONGITUDINAL	TOF	TOP OF FOOTING
DEG, °	DEGREE	LPT	LOW POINT	TOS	TOP OF STEEL
DEMO	DEMOLISH, DEMOLITION	LSH	LONG SLOTTED HOLE	TOW	TOP OF WALL
DF	DOUGLAS FIR	LSL	LAMINATED STRAND LUMBER	TR	THREADED ROD
DIA	DIAMETER	LVL	LAMINATED VENEER LUMBER	TRANS	TRANSVERSE
DIAG	DIAGONAL			TYP	TYPICAL
DIAPH	DIAPHRAGM	MATL	MATERIAL	TWS	THREADED WELDED STUD
DIM	DIMENSION	MAX.	MAXIMUM		
DIST	DISTANCE	MECH	MECHANICAL	UNO	UNLESS NOTED OTHERWISE
DL	DEAD LOAD	MEZZ	MEZZANINE		
DN	DOWN	MF	MOMENT FRAME	VERT	VERTICAL
DO	DITTO	MFR	MANUFACTURER		
DP	DEEP	MIN	MINIMUM	W/	WITH
DWG	DRAWING	MISC	MISCELLANEOUS	W	WIDTH
DWL	DOWEL	MPH	MILES PER HOUR	WD	WOOD
DWLS	DOWELS	MTL	METAL	WF	WIDE FLANGE
				WHS	WELDED HEADED STUD
(E), EXIST	EXISTING	NF	NEAR FACE	W/O	WITHOUT
EA	EACH	NIC	NOT IN CONTRACT	WP	WORKING POINT
EE	EACH END	NLG	NAILING	WT	WEIGHT
EF	EACH FACE	NOM	NOMINAL	WWR	WELDED WIRE REINFORCEMENT
EJ	EXPANSION JOINT	NO., #	NUMBER		
EL	ELEVATION	N-S	NORTH-SOUTH		
ELEC	ELECTRICAL	NS	NEAR SIDE		
ELEV	ELEVATOR	NTS	NOT TO SCALE		
EMBED	EMBEDMENT				
ENGR	ENGINEER	OC	ON CENTER		
EQ	EQUAL	OD	OUTSIDE DIAMETER		
EQUIP	EQUIPMENT	O.F.	OUTSIDE FACE		
EQUIV	EQUIVALENT	OPNG	OPENING		
ES	EACH SIDE	OPP	OPPOSITE		
ETC	ET CETERA	OSB	ORIENTED STRAND LUMBER		
E-W	EAST-WEST	OSH	OVERSIZED HOLE		
EW	EACH WAY	OWJ	OPEN WEB JOIST		
EXP	EXPANSION				
EXT	EXTERIOR				
EXT GR	EXTERIOR GRADE				

SYMBOLS

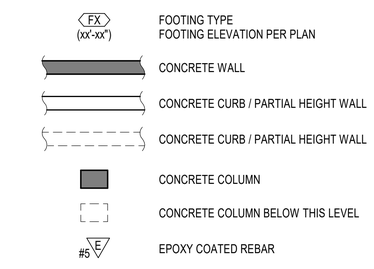
GENERAL SYMBOLS



CMU SYMBOLS

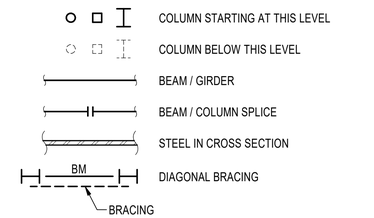
POST-TENSIONED SYMBOLS

CONCRETE SYMBOLS

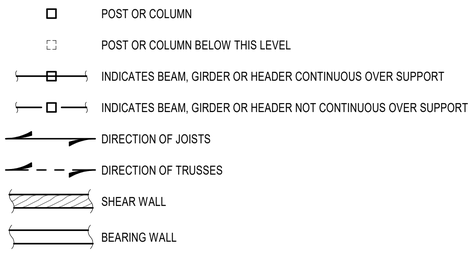


STEEL SYMBOLS

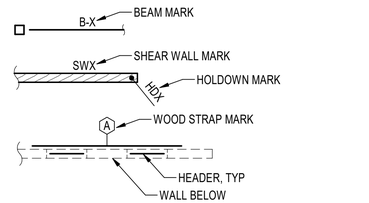
(SEE "TYPICAL STEEL FRAMING SYMBOLS" DETAIL FOR ADDITIONAL INFORMATION)



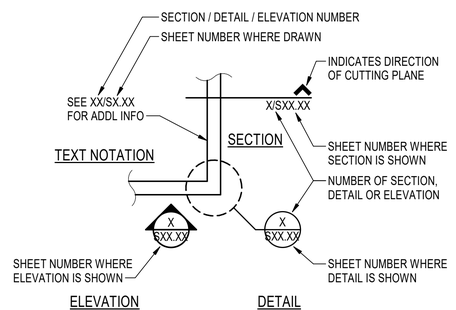
WOOD SYMBOLS



WOOD ANNOTATIONS



DETAIL IDENTIFIERS



RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 262021.038

BID SET

ISSUE DATE JUNE 12, 2023

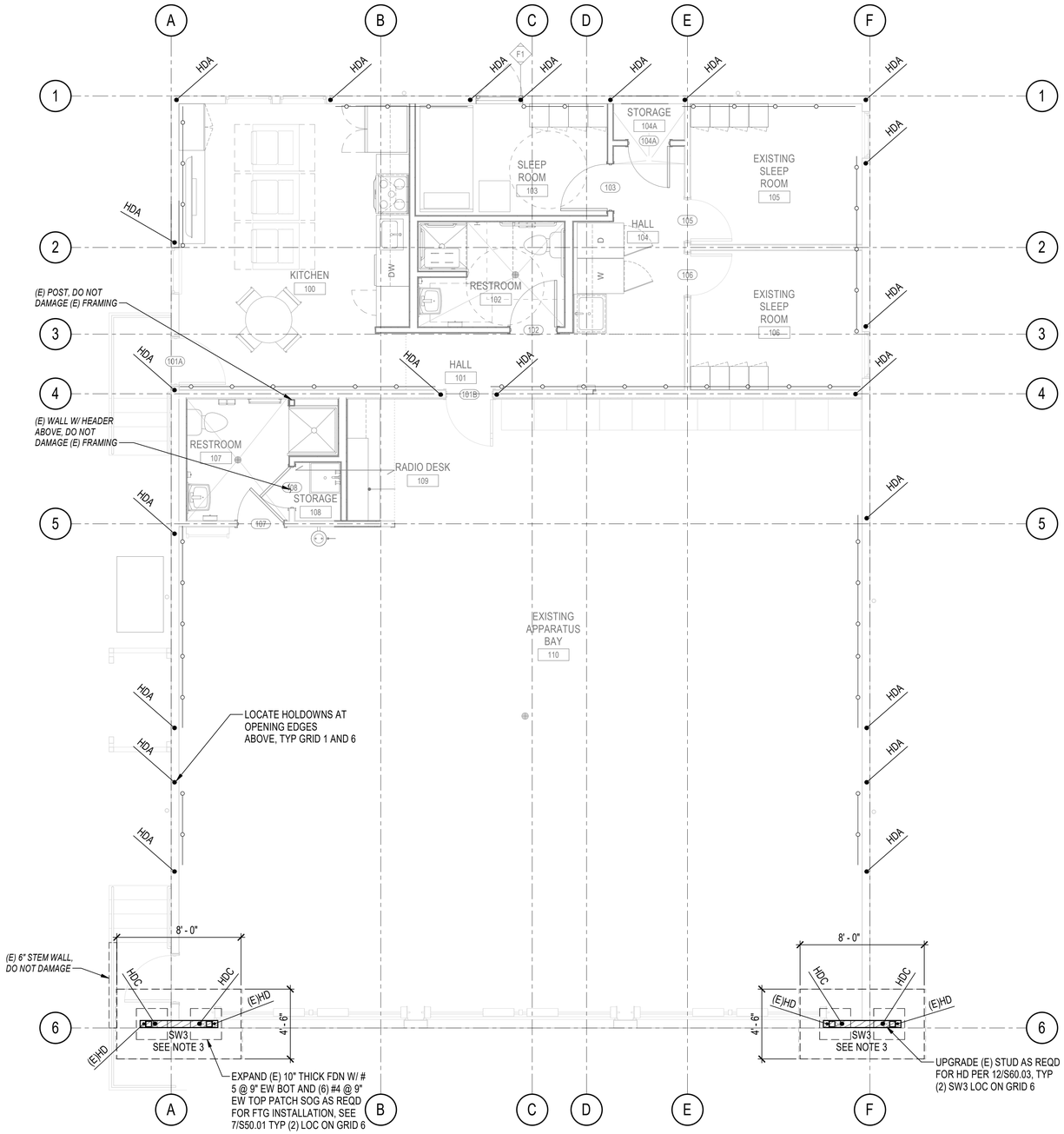
REVISION SCHEDULE		

AHJ APPROVAL STAMP

ABBRIVIATIONS AND SYMBOLS

SHEET #

S00.04



FOUNDATION AND FIRST FLOOR PLAN

1/4" = 1'-0"

N

FOUNDATION/FLOOR PLAN NOTES:

1. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. REMOVE BOTTOM PORTION OF SHEARWALL SHEATHING FOR HOLDOWN AND ANCHOR BOLT INSTALLATION PER 3/S60.03.
3. AT FRONT APPARATUS BAY WALLS, (2) LOCATIONS, REMOVE SHEATHING FULL FACE OF WALL TO ALLOW FOR INSTALLATION OF FULL HEIGHT WALL STUDS REQUIRED FOR HOLDDOWN PER 12/S60.03. SISTER NEW WOOD STUDS TO EXISTING PER 3/S60.03 SIM FOR INSTALLTION OF NEW SHEATHING AND NAILING AS REQUIRED PER 12/S60.02.
4. SEE S50.01 FOR TYPICAL SLAB PATCHING AND PIPE PENETRATION DETAILS.

LEGEND

- FOUNDATION UPGRADE
- SWX — RESHEATH EXISTING SHEAR WALL EXTERIOR SIDE, PER 12/S30.02 INSTALL 5/8" DIA ANCHOR BOLTS AT 12" OC
- HDX — SIMPSON HOLDOWN, SEE NOTE 2 THIS PAGE AND DETAIL 12/S60.03
- WOOD POST OR COLUMN THIS LEVEL
- EXISTING AB @ 24" OC PER RECORD DRAWINGS, CONTRACTOR TO VERIFY, POST INSTALL 5/8" DIA AB @ SPACING AS REQUIRED TO ACHIEVE MINIMUM SPACING PER SW6 OF 12/S30.02, SEE NOTE 2 THIS PAGE AND DETAILS 3 AND 4/S50.01

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 262021.038

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

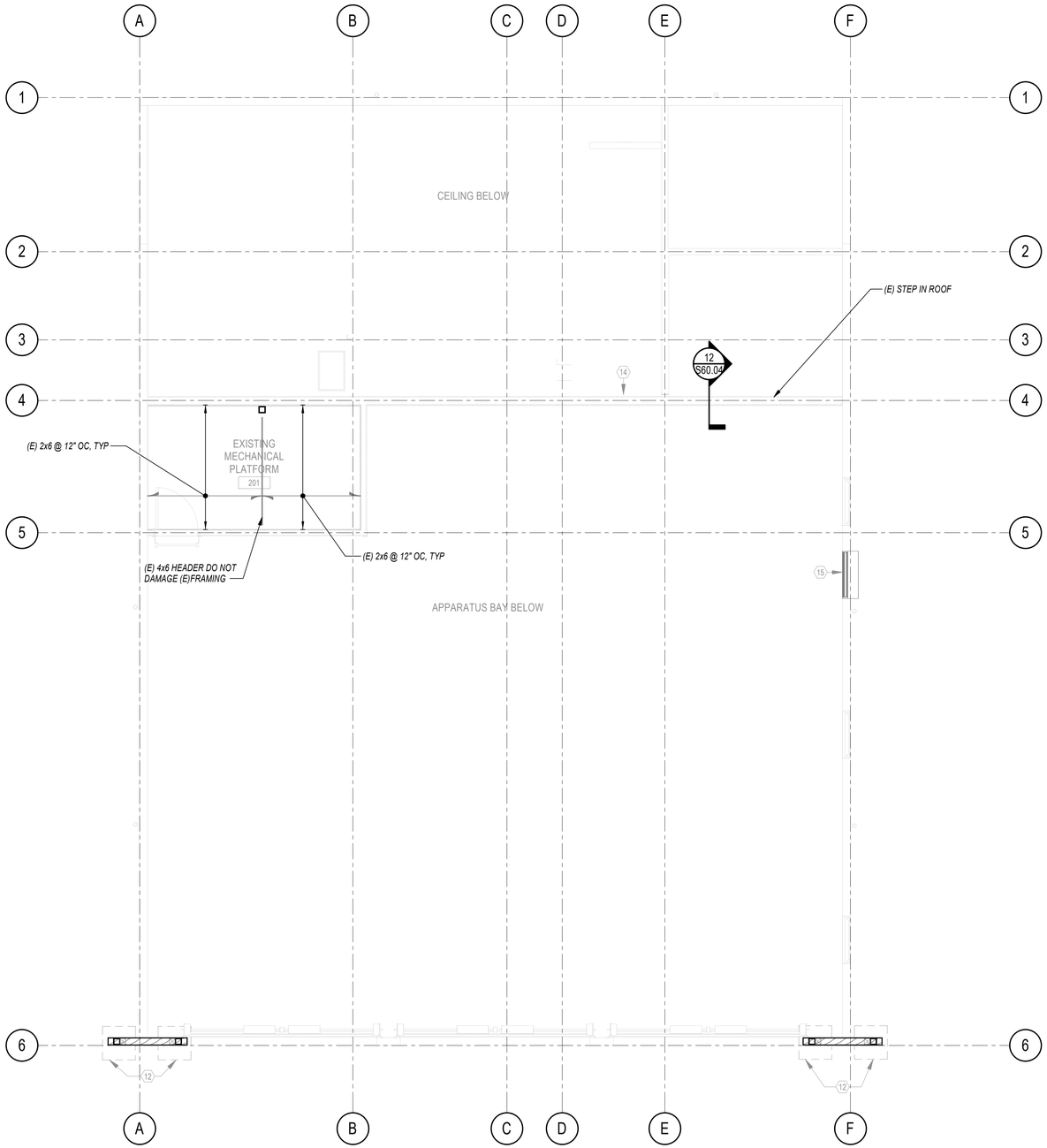
AHJ APPROVAL STAMP

FOUNDATION AND FIRST FLOOR PLAN

SHEET #
S21.01

MEZZANINE PLAN NOTES:

1. SEE S21.01 FOR TYPICAL SHEET NOTES.



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

N

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATE OF WASHINGTON
43107
REGISTERED PROFESSIONAL ENGINEER
06/12/23

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 262021.038

BID SET

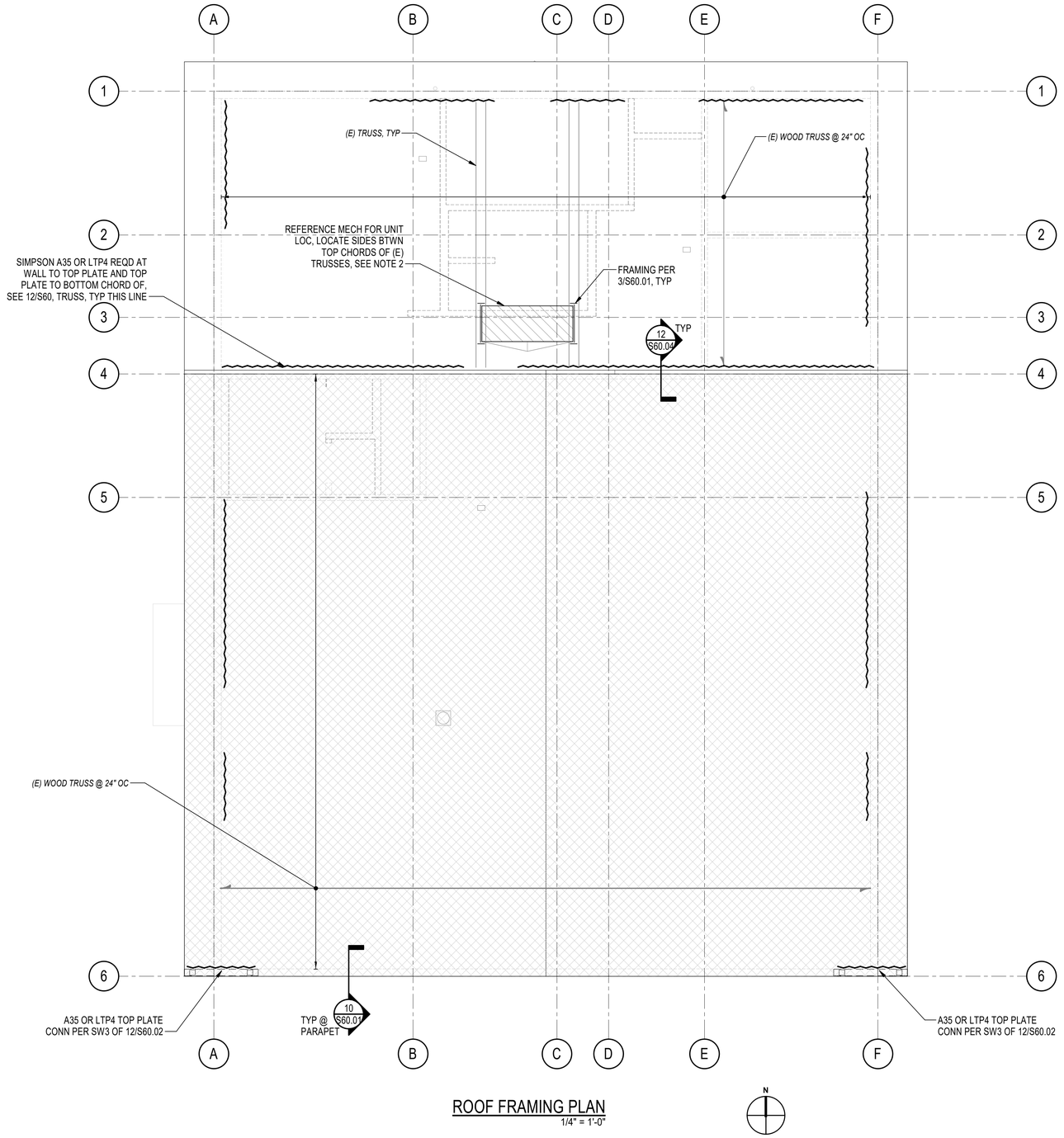
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

MEZZANINE FRAMING PLAN

SHEET #
S21.02



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

ROOF PLAN NOTES:

1. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. NEW ROOF TOP MECHANICAL UNIT (APPORX 800#) TO HAVE FRAMING INSTALLED BELOW UNIT FOR SUPPORT (NOT SHOWN), SEE 3/S60.01.

LEGEND

- BLOCK DIAPHRAGM AT (E) PANEL EDGES FROM BELOW PER 10/S60.03
- A35 OR LTP4 TOP PLATE CONNECTION PER SW6 OF 12/S60.02. COORDINATE EXTENTS WITH WALL UPGRADES PER SHEET S21.01

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATE OF WASHINGTON 43107 REGISTERED PROFESSIONAL ENGINEER
06/12/23

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

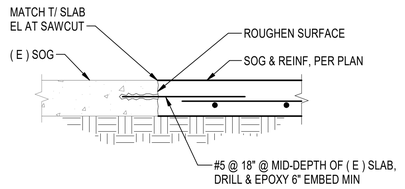
PROJECT # 262021.038
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

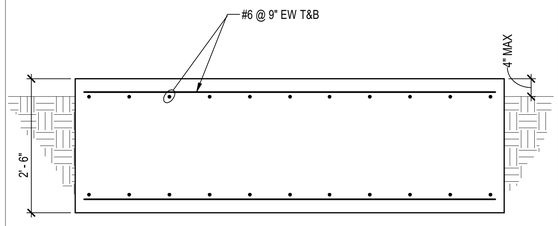
AHJ APPROVAL STAMP

ROOF FRAMING PLAN

SHEET #
S21.03



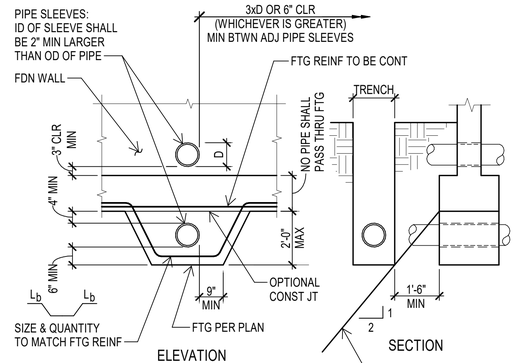
TYPICAL SOG TO EXISTING CONNECTION 8
NTS



NOTE:

1. LOCATION PER MECHANICAL AND CIVIL. PAD SHALL EXTEND A MINIMUM OF 2'-0" PAST EDGES OF UNIT OR ACCESS PLATFORM, WHICHEVER IS LARGER.
2. GENERATOR ANCHORS RAISED SUPPORT AND ACCESS PLATFORM SHALL BE DEFERRED SUBMITTAL. SEE GENERAL STRUCTURAL NOTES AND MECHANICAL.

GENERATOR PAD 11
NTS



NOTES:

1. PIPE MUST RUN PERPENDICULAR THROUGH WALL.
2. MAXIMUM SLEEVE DIAMETER EQUAL TO 8".

TYPICAL PIPE ENCASEMENTAT FOOTING 12
NTS

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

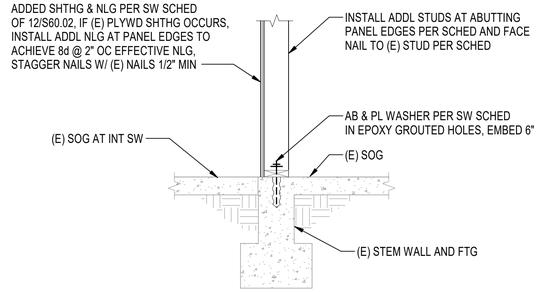
PROJECT # 262021.038
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

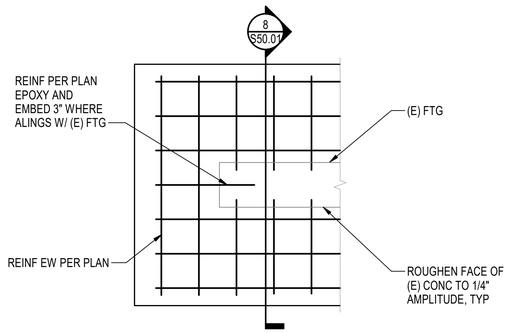
AHJ APPROVAL STAMP

TYPICAL CONCRETE DETAILS

SHEET #
S50.00

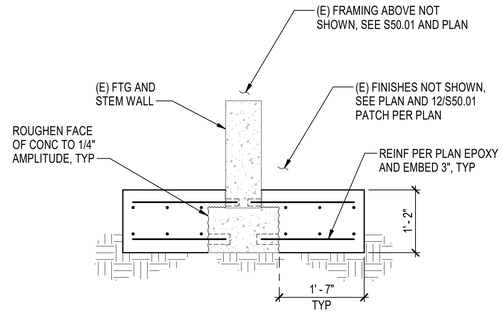


SHEAR WALL STRENGTHENING 4
3/4" = 1'-0"



PLAN

EXPANDED FOOTING 7
3/4" = 1'-0"



SECTION

EXPANDED FOOTING SECTION 8
3/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

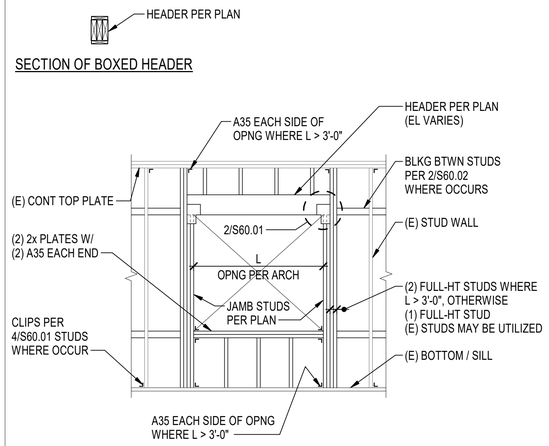
PROJECT # 262021.038
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

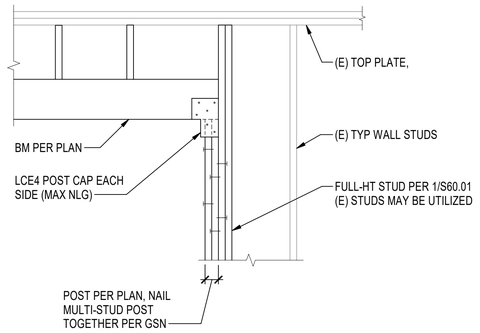
AHJ APPROVAL STAMP

FOUNDATION DETAILS

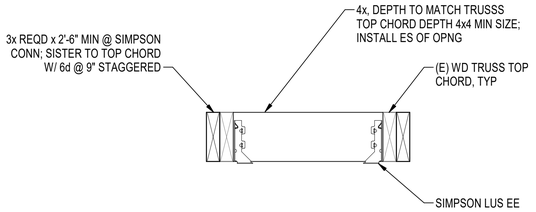
SHEET #
S50.01



TYPICAL STRUCTURAL WALL OPENING 1
NTS



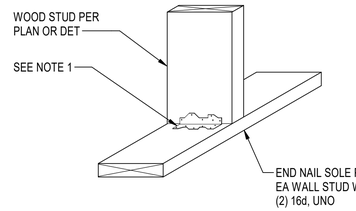
TYPICAL HEADER DETAIL 2
NTS



NOTE:

1. PROVIDE SIMILAR FRAMING UNDER MECH UNIT CURB AND UNIT EDGES. SEE MECHANICAL FOR REQUIRED LOCATION

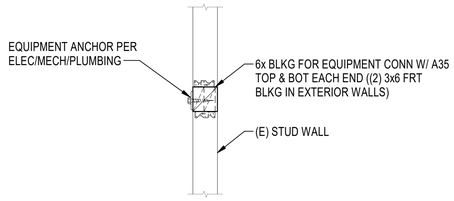
TYPICAL MECH
ROOF PENETRATION AND UNIT EDGE SUPPORT 3
NTS



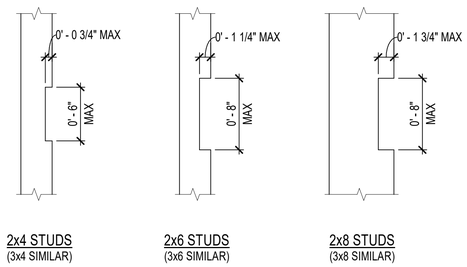
NOTE:

1. ALL STUDS GREATER THAN 14'-0" IN HEIGHT AND SUBJECT TO WIND LOADING SHALL BE ATTACHED TO TOP AND BOTTOM PLATES WITH A35, UNO.

WOOD STUD TO WALL PLATE 4
NTS



TYPICAL EQUIPMENT ANCHOR BLOCKING 7
NTS

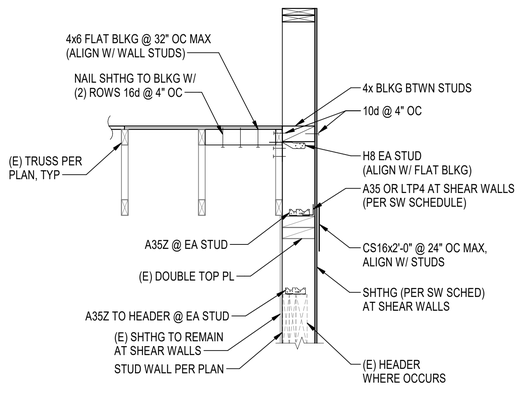


2x4 STUDS (3x4 SIMILAR) | 2x6 STUDS (3x6 SIMILAR) | 2x8 STUDS (3x8 SIMILAR)

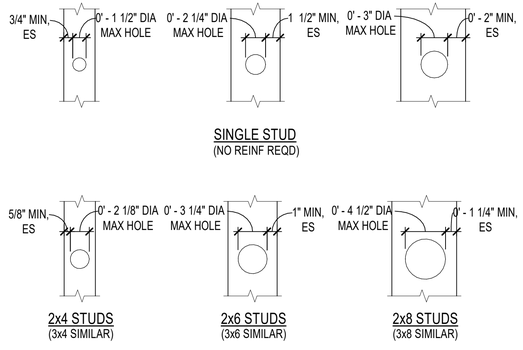
NOTE:

1. NOTCHES SHALL NOT OCCUR IN MORE THAN (2) SUCCESSIVE STUDS.

ALLOWABLE NOTCHES IN STUDS 8
NTS



ROOF TRUSSES PARALLEL TO EXTERIOR WALL 10
NTS

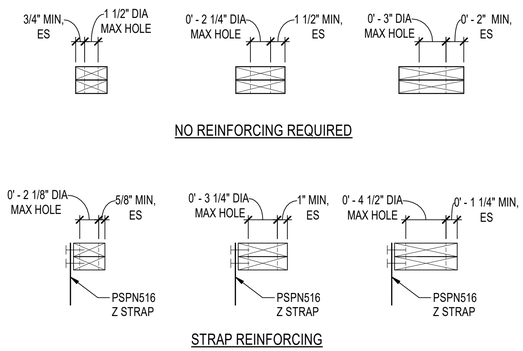


SINGLE STUD
(NO REINF REQD)

2x4 STUDS (3x4 SIMILAR) | 2x6 STUDS (3x6 SIMILAR) | 2x8 STUDS (3x8 SIMILAR)

DOUBLE STUDS
(NO MORE THAN TWO SUCCESSIVE STUDS MAY BE BORED)

HOLES ALLOWED THRU STUDS 11
NTS



NO REINFORCING REQUIRED

STRAP REINFORCING

NOTE:

1. AT BOTTOM PLATES, FOLLOW GUIDELINES SHOWN, EXCEPT USE CS16 x 2'-0" STRAP.

ALLOWABLE HOLES THRU TOP PLATES 12
NTS

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

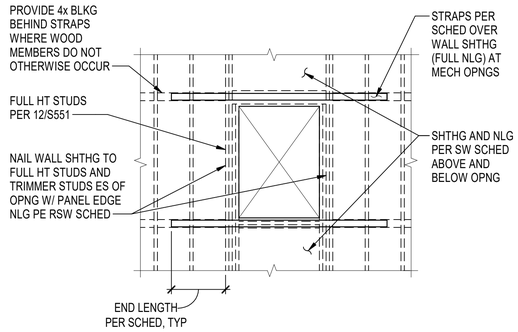
PROJECT # 262021.038
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

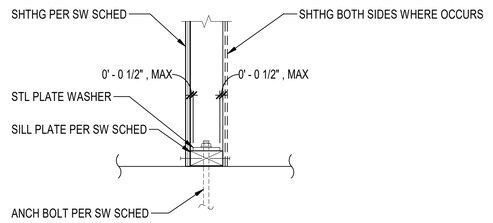
TYPICAL WOOD DETAILS

SHEET #
S60.01



STRAP SCHEDULE		
LEVEL	STRAP	END LENGTH (IN)
ALL SHEAR WALLS	CS16	18

STRAPS AT OPENINGS IN SHEAR WALLS
NTS 2

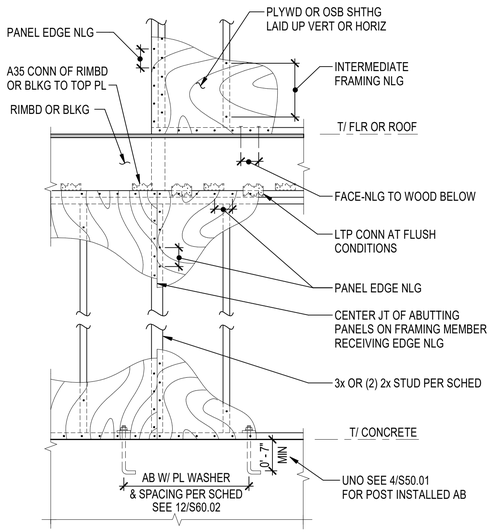


SHEAR WALL SILL PLATE ANCHOR BOLT PLATE WASHER

SHEAR WALL SILL PLATE CONDITION	PL WASHER SIZE, SEE NOTE
2x4, 2x6 W/ SHTHG ON ONE SIDE ONLY	3" x 3" x 0.229"
2x6 W/ SHTHG EACH SIDE 2x8 W/ SHTHG ON ONE SIDE ONLY	3" x 4 1/2" x 0.229"
2x8 W/ SHTHG EACH SIDE	3" x 6 1/4" x 0.229"

NOTE: HOLE IN PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A MAXIMUM WIDTH 3/16" > BOLT DIAMETER AND MAXIMUM LENGTH OF 1 3/4", PROVIDED STANDARD CUT WASHER INSTALLED BETWEEN PLATE WASHER AND NUT.

SILL PLATE ANCHORS
NTS 4



TYPICAL SHEAR WALL NAILING CONVENTION

WOOD SHEAR WALL SCHEDULE									
TYPE	SHEATHING (NOTES 1 & 10)	PANEL EDGE NAILING (NOTES 2 & 8)	PANEL FIELD NAILING	FRAMING AT ADJACENT PANEL EDGES (NOTES 4 & 5)	TOP PLATE CONNECTION (NOTES 7 & 8)	BOTTOM PLATE NAILING (NOTES 3, 8 & 9)	FOUNDATION SILL PLATE (NOTE 9)	ANCHOR BOLTING (NOTE 6)	LRFD SHEAR (NOTE 8)
SW3	15/32" (1) SIDE	10d @ 3" OC	10d @ 12" OC	3x OR (2) 2x	A35 OR LTP4 @ 16" OC	10d @ 3" OC (2) ROWS	-	5/8" DIA @ 16" OC	600 PLF
SW6	15/32" (1) SIDE	10d @ 6" OC	10d @ 12" OC	3x OR (2) 2x	A35 OR LTP4 @ 36" OC	10d @ 6" OC (2) ROWS	2x OR 3x	2x: 5/8" DIA @ 12" OC 3x: 5/8" DIA @ 16" OC	310 PLF

NOTES:

1. WALL SHEATHING SHALL BE PER GENERAL STRUCTURAL NOTES AND HAVE A PANEL SPAN RATING OF 24/16. WALL PANELS MAY BE INSTALLED VERTICALLY OR HORIZONTALLY.
2. THE SPECIFIED PANEL EDGE NAILING IS REQUIRED AT ALL PANEL EDGES AND ENDS. INSTALL 2x SOLID BLOCKING AT ALL UNFRAMED PANEL EDGES (SEE NOTES 4 AND 5 FOR 3x REQUIREMENTS). SPACE NAILS MINIMUM 3/8" FROM EDGES AND ENDS OF WALL PANELS, WALL STUDS, TOP AND BOTTOM PLATES, AND BLOCKING.
3. BOTTOM PLATE NAILING SHALL PENETRATE INTO RIMBOARD OR BLOCKING BELOW, WHERE OCCURS. SINGLE ROWS OF NAILING SHALL BE CENTERED IN THE RIMBOARD OR BLOCKING BELOW. WHERE MULTIPLE ROWS OF NAILING ARE REQUIRED, OFFSET ROWS AT LEAST 1 1/2", STAGGER NAILS, AND MAINTAIN 1/2" MINIMUM FROM EDGES. WHERE MULTIPLE ROWS OF NAILS ARE SPECIFIED, RIMBOARD OR BLOCKING BELOW SHALL BE 3 1/2" WIDE MINIMUM.
4. INSTALL 3x WALL STUDS AT ADJOINING VERTICAL PANEL EDGES AND 3x SOLID BLOCKING AT ADJOINING HORIZONTAL EDGES. STAGGER PANEL EDGE NAILING 1/2" AND MAINTAIN SUFFICIENT EDGE DISTANCE TO AVOID SPLITTING WOOD.
5. (2) 2x WALL STUDS AND BLOCKING ARE PERMITTED TO BE SUBSTITUTED FOR RESPECTIVE 3x FRAMING AT ADJOINING PANEL EDGES WHERE SPECIFIED. FASTEN (2) 2x FRAMING TOGETHER WITH 10d NAILS AT THE SPECIFIED SPACING. WHERE MULTIPLE ROWS OF NAILS ARE SPECIFIED, SPACE ROWS 1 1/2" APART, STAGGER, AND MAINTAIN SUFFICIENT EDGE DISTANCE TO AVOID SPLITTING WOOD.
6. AT SILL PLATES, EMBED ANCHOR RODS INTO CONCRETE PER 4/S50.01. INSTALL STEEL PLATE WASHER BETWEEN THE SILL PLATE AND NUT AT EACH ANCHOR ROD. LOCATE PLATE WASHER SUCH THAT EDGE OF PLATE WASHER IS 1/2" MAXIMUM AWAY FROM EACH EDGE OF SILL PLATE RECEIVING PANEL EDGE NAILING FROM SHEAR WALL SHEATHING. HOLE IN PLATE WASHER IS PERMITTED TO BE DIAGONALLY-SLOTTED WITH A MAXIMUM WIDTH OF 3/16" GREATER THAN THE BOLT DIAMETER AND MAXIMUM LENGTH OF 1 3/4" PROVIDED STANDARD CUT WASHER IS INSTALLED BETWEEN PLATE WASHER AND NUT.
7. TOP PLATE CONNECTORS IDENTIFIED AS "A35" AND "LTP4" ARE MANUFACTURED BY SIMPSON STRONG-TIE. WHERE CONNECTORS ARE SPECIFIED ON BOTH SIDES, CONNECTORS SHALL BE STAGGERED TO AVOID INTERFERENCE. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION AND FOR ADDITIONAL REQUIREMENTS WHEN CONNECTORS ARE IN CONTACT WITH PRESERVATIVE-TREATED OR FIRE-RETARDANT TREATED LUMBER.
8. SHEAR WALL CAPACITIES ARE BASED ON THE USE OF GALVANIZED BOX OR POWER-DRIVEN COMMON NAILS OF THE DESIGNATION SHOWN IN THE SCHEDULE. SEE C1/S6.01 FOR SCHEDULE OF NAIL SIZES. NAILS PENETRATING INTO PRESERVATIVE-TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED NAILS PER GENERAL STRUCTURAL NOTES.
9. "SDS" SCREWS ARE MANUFACTURED BY SIMPSON STRONG-TIE. WHERE MULTIPLE ROWS OF SDS SCREWS ARE SPECIFIED, SPACE ROWS 1 1/2" APART, STAGGER, AND MAINTAIN SUFFICIENT EDGE DISTANCE TO AVOID SPLITTING WOOD.
10. WHERE WALL SHEATHING PANELS ARE APPLIED ON EACH SIDE OF WALL, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS.

WOOD SHEAR WALL SCHEDULE NOTES
NTS 12

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

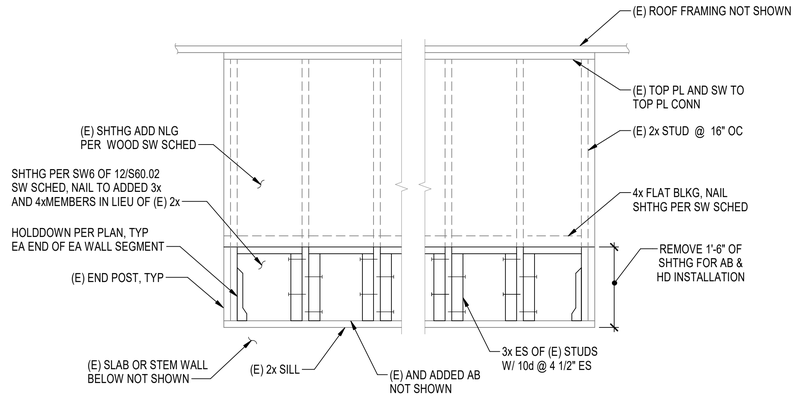
PROJECT # 262021.038
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

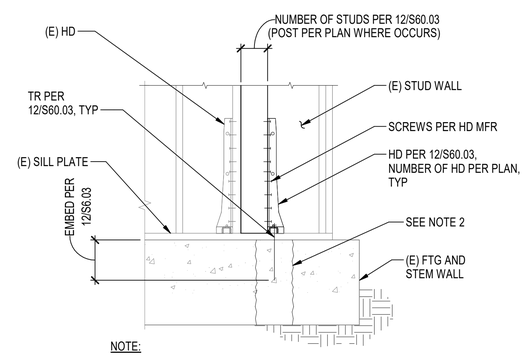
AHJ APPROVAL STAMP

SHEAR WALL SCHEDULE AND DETAILS

SHEET #
S60.02



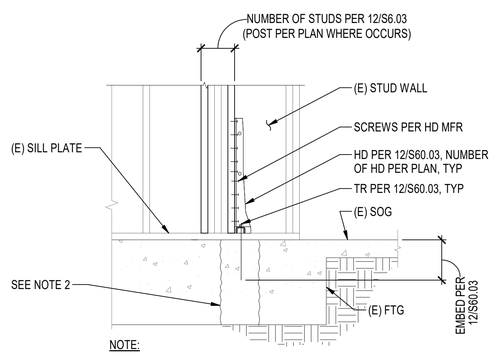
SHEAR WALL ELEVATION 3
3/4" = 1'-0"



NOTE:

1. EXISTING WALL SHEATHING NOT SHOWN FOR CLARITY.
2. CHIP OUT EXISTING STEM WALL CONCRETE TO ALLOW FOR HOLDOWN ANCHOR INSTALLATION. 3" MINIMUM ON EACH SIDE OF ANCHOR. DO NOT DAMAGE EXISTING REINFORCING.

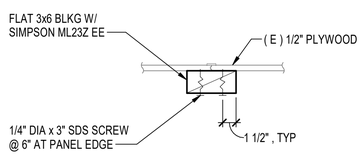
DOUBLE HOLDOWN DETAIL 7
3/4" = 1'-0"



NOTE:

1. EXISTING WALL SHEATHING NOT SHOWN FOR CLARITY.
2. CHIP OUT EXISTING STEM WALL CONCRETE TO ALLOW FOR HOLDOWN ANCHOR INSTALLATION. 3" MINIMUM ON EACH SIDE OF ANCHOR. DO NOT DAMAGE EXISTING REINFORCING.

SINGLE HOLDOWN DETAIL 8
3/4" = 1'-0"



NOTE:

1. INSTALL BLOCKING AT ALL PANEL EDGES. BLOCKING TO BE INSTALLED SNUG BETWEEN EXISTING TRUSSES.
2. SDS SCREWS SHALL NOT PUNCTURE EXISTING ROOF ABOVE PLYWOOD.

DIAPHRAGM BLOCKING 10
1 1/2" = 1'-0"

HOLDOWN SCHEDULE - WITH SCREWS

MARK	MODEL (NOTE 1)	WOOD POST (NOTE 2)	2x POST NAILING (NOTE 3)	# OF SDS2.5 TO POST (NOTE 1)	SECOND ROW EDGE NAILING	ANCHOR BOLT TO CONCRETE (NOTES 4 AND 8) THREADED ROD AT WOOD FLOOR (NOTES 5 AND 8)					DETAIL REFERENCE
						DIA	AB CONCRETE EMBED		ALTERNATE TO ANCHOR BOLT (NOTES 6 AND 8)	ALTERNATE TO ANCHOR BOLT IN FOUNDATION WALL (NOTES 7 AND 8)	
							FDN WALL	FOOTING			
HDA	HDU4-SDS2.5	(2) 2x	12d @ 8" OC	10	YES	5/8"	12"	9"	PAB5	-	8/S60.03
HDC	HDU14-SDS2.5	6x6	-	36	YES	1"	-	-	PAB8	SB1x30	7/S60.03

NOTES:
1. "SDS2.5" IS 1/4" DIA x 2 1/2" STRONG-DRIVE WOOD SCREW (MODEL SDS25212), MANUFACTURED BY SIMPSON STRONG-TIE.
2. SIZES LISTED IN THE SCHEDULE ARE FOR THE NOMINAL THICKNESS OF WOOD POST PERPENDICULAR TO THE HOLDOWN. WIDTH OF THE POST IS THE SAME AS THE WIDTH OF THE WALL IN WHICH THE HOLDOWN IS LOCATED.
3. FASTEN TOGETHER 2x MEMBERS OF POST AT THE SPECIFIED SPACING. "12d" NAIL IS 0.148" DIA x 3 1/4" AT (3) 2x POSTS, FASTEN SECOND TO FIRST STUD AND THIRD TO SECOND STUD AT THE SPECIFIED SPACING.
4. "AB" IS A STRAIGHT, HEX-HEADED, CARBON STEEL ANCHOR BOLT COMPLYING WITH ASTM F1554, GRADE 36, CLASS 2A.
5. "TR" IS A CARBON STEEL STUD (e.g. THREADED ROD) COMPLYING WITH ASTM A307, GRADE A.
6. "PABx" IS A PRE-ASSEMBLED ANCHOR BOLT MANUFACTURED BY SIMPSON STRONG-TIE. INSTALL AT SAME EMBEDMENT LENGTHS AS SPECIFIED IN THE "AB CONCRETE EMBED" COLUMNS.
7. "SSTBxx" AND "SBx" ARE PROPRIETARY ANCHOR BOLTS COMPLYING WITH ICC-ES ESR-2611 AND MANUFACTURED BY SIMPSON STRONG-TIE. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
8. INSTALL A CARBON STEEL HEX NUT COMPLYING WITH ASTM A563, GRADE A, AT EACH BOLT, EXCEPT FOR HDU14-SDS2.5 AND HHDQ14-SDS2.5 WHERE A HEAVY HEX NUT IS NEEDED.

HOLDOWN SCHEDULE - WITH SCREWS 12
NTS

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

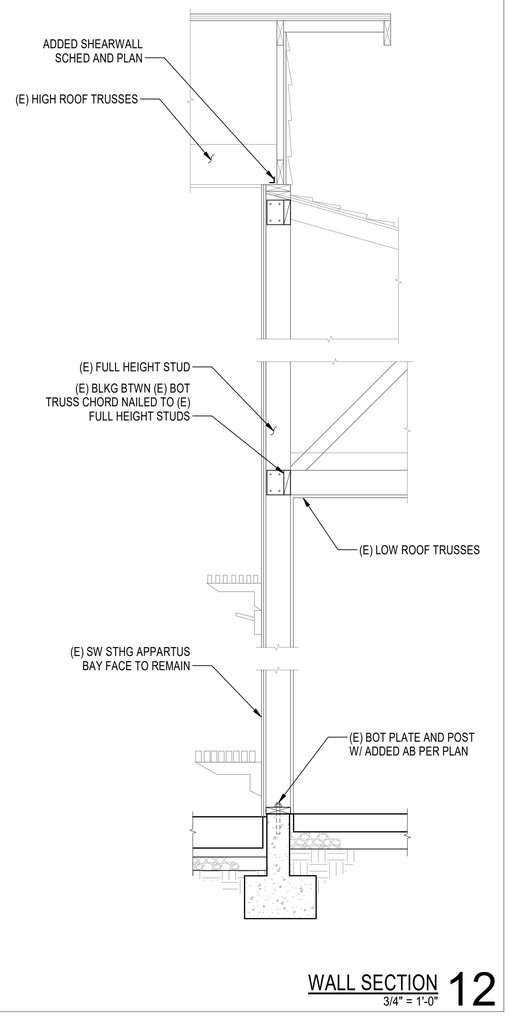
PROJECT # 262021.038
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

AHJ APPROVAL STAMP

HOLDOWN SCHEDULE AND DETAILS

SHEET #
S60.03



WALL SECTION 12
3/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reid Middleton
728 134th Street SW, Suite 200
Everett, Washington 98204
Ph: 425.741.3800
www.reidmiddleton.com

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 262021.038
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

WALL SECTIONS AND DETAILS

SHEET #
S60.04

MECHANICAL SYMBOLS LEGEND

HYDRONIC SYSTEM LABELS

- PIPE BREAK (CONTINUATION)
- HYDRONIC SUPPLY
- HYDRONIC RETURN
- DIRECTION OF FLOW
- CAP
- HEAT TRACED PIPING

HYDRONIC VALVES AND SPECIALTIES

- F.O. / F.C. — 2-WAY ELECTRIC CONTROL VALVE; FAIL OPEN / FAIL CLOSED
- 3-WAY ELECTRIC CONTROL VALVE
- 4-WAY CONTROL VALVE

DUCTWORK LABELS

- INTERNALLY LINED DUCT
- HIDDEN DUCT
- 16X12 — DUCT (1ST DIMENSION SIDE SHOWN, 2ND DIMENSION OTHER SIDE)
- REMOVE DUCT, PIPE OR MECH. EQUIPMENT
- FLEX DUCT
- RECTANGULAR SUPPLY DUCT OUT OF PAGE
- RECTANGULAR SUPPLY DUCT INTO PAGE
- SUPPLY DIFFUSER
- OUTSIDE AIR DIFFUSER
- RECTANGULAR RETURN / EXHAUST DUCT OUT OF PAGE
- RECTANGULAR RETURN / EXHAUST DUCT INTO PAGE
- OR — RETURN OR EXHAUST GRILLE
- TURNING VANES
- STRAIGHT TAP
- TAPERED FITTING
- BELL MOUTH FITTING
- CONICAL FITTING
- 45 DEG. ANGLE TAP
- ROUND ELBOW OUT OF PAGE
- ROUND ELBOW INTO PAGE
- ROUND DUCT OUT OF PAGE
- ROUND DUCT INTO PAGE
- ROUND DUCT BREAK (CONTINUATION)
- RECTANGULAR DUCT BREAK (CONTINUATION)
- FLEX CONNECTION

REFERENCE SYMBOLS

- M-1 — DETAIL NUMBER; SHEET
- FLAG NOTE
- 1 — REVISION TAG
- AHU-1 — MECHANICAL EQUIPMENT
- D / 0 — DIFFUSER/GRILLE TYPE; CFM
- 1 — SECTION NUMBER; SHEET NUMBER

LIFE SAFETY SYMBOLS

- CEILING RADIATION DAMPER
- OR — COMBINATION SMOKE/FIRE DAMPER
- HORIZONTAL SMOKE DAMPER
- FIRE DAMPER

CONTROL SYMBOLS

- VOLUME DAMPER
- M — MOTORIZED CONTROL DAMPER
- T — THERMOSTAT IN DUCT
- OR — REMOTE OPERATED VOLUME DAMPER
- BACKDRAFT DAMPER
- PRESSURE INDEPENDENT VOLUME DAMPER (TROX VFL)
- PRESSURE INDEPENDENT VOLUME CONTROLLER (TROX VFC)
- PRESSURE INDEPENDENT VOLUME CONTROLLER W/ ACTUATOR (TROX VFC EØ / MØ)
- T — THERMOSTAT, MOUNT @ 4'-0" A.F.F.
- S — SENSOR
- CO — GEF-1; CARBON MONOXIDE DETECTOR WITH FAN INDICATED
- CO2 — CARBON DIOXIDE DETECTOR

PIPING SYSTEM LABELS

- G — NATURAL GAS OR PROPANE
- BALL VALVE MANUAL LEVER
- BUTTERFLY VALVE MANUAL LEVER
- BUTTERFLY GEAR VALVE
- GLOBE VALVE MANUAL LEVER
- BALANCE VALVE (CIRCUIT SETTER)
- BALANCE VALVE (PRESSURE INDEPENDENT)
- PIPE TO DRAIN
- PRESSURE SAFETY VALVE
- AAV — AUTOMATIC AIR VENT
- MAV — MANUAL AIR VENT
- WYE STRAINER
- WYE STRAINER WITH VALVE AND HOSE END CAP
- HEAT TRACE PIPING
- HOSE END AND CAP
- EXPANSION LOOP

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL/ARCHITECT
AS	AIR SEPARATOR
AUX	AUXILIARY
BFF	BELOW FINISHED FLOOR
BHP	BRAKE HORSE POWER
BLDG	BUILDING
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CA	COMBUSTION AIR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
COND	CONDENSATE
CW	COLD WATER
CX	CONNECT TO EXISTING
dB	DECIBEL
DB °F	DRY BULB TEMPERATURE
° OR DEG.	DEGREE
Ø OR DIA	DIAMETER
DN	DOWN
DWG(S)	DRAWING(S)
DWV	DRAIN, WASTE, VENT
EX	EXISTING/EXISTING TO REMAIN
EA	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ERU	ENERGY RECOVERY UNIT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EXP	EXPANSION
FC	FAIL CLOSED
FDSD	FIRE DAMPER SMOKE DAMPER
FF	FINISHED FLOOR
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FP	FIRE PROTECTION
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET/FOOT
FTG	FOOTING
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR
FOIO	FURNISHED BY OWNER INSTALLED BY OWNER
FSD	FIRE/SMOKE DAMPER
G	NATURAL GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
G.C.	GENERAL CONTRACTOR
GSM	GALVANIZED SHEET METAL
H	HEIGHT
HD	HEAD
HP	HORSEPOWER
HVAC	HEATING VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HX	HEAT EXCHANGER
HZ	HERTZ
ID	INSIDE DIAMETER/DIMENSION
IN	INCH/INCHES
IN WC	INCHES WATER COLUMN
KW	KILOWATT/KILOWATTS
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LF	LINEAL FOOT
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LWT	LEAVING WATER TEMPERATURE
MBH	1000 BRITISH THERMAL UNIT PER HOUR
MED	MEDIUM
MEP	MECHANICAL, ELECTRICAL & PLUMBING
MEZZ	MEZZANINE
MIN	MINIMUM OR MINUTE
MISC	MISCELLANEOUS
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OA/OSA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
ΔP	PRESSURE DIFFERENTIAL
PERF	PERFORATED
Φ OR PH	PHASE
PIVD	PRESSURE INDEPENDENT VOLUME DAMPER
PLBG	PLUMBING
POC	POINT OF CONNECTION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER INCH GAUGE
PTAC	PACKAGE TERMINAL AIR CONDITIONER
QTY	QUANTITY
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RM	ROOM
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
RLX	RELOCATE EXISTING
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
RX	REMOVE EXISTING
SA	SUPPLY AIR
SD	SMOKE DETECTOR
SF	SQUARE FOOT
S.L.	SOUND LINER
SP	STATIC PRESSURE
SPEC	SPECIFICATION
S/S, OR SS	STAINLESS STEEL
STD	STANDARD
T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
TBD	TO BE DETERMINED
TEMP	TEMPERATURE
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOD	TOP OF DECK
TOJ	TOP OF JOIST
TOS	TOP OF SLAB/TOP OF STEEL
T&P	TEMPERATURE & PRESSURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UTR	UP THROUGH ROOF
V	VOLT
VAV	VARIABLE AIR VOLUME
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VIB	VALVE-IN-BOX
VOL	VOLUME
W/	WITH
W/IN	WITHIN
W/O	WITHOUT
WB °f	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WT	WEIGHT

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATE OF WASHINGTON — JASON SHAFFER — 47106 — REGISTERED PROFESSIONAL ENGINEER — FOR REFERENCE ONLY

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

COVER SHEET

SHEET #

M00.01

HVAC ENERGY CODE NOTES

1. SEE SCHEDULES FOR EQUIPMENT TYPE, CAPACITY AND EFFICIENCY. ALL EQUIPMENT SHALL MEET MINIMUM EFFICIENCY PER C403.3.2.
2. THERMOSTATIC CONTROLS IN THE SAME ZONE OR IN NEIGHBORING ZONES CONNECTED BY OPENINGS LARGER THAN 10% OF THE FLOOR AREA OF EITHER ZONE SHALL BE INTERLOCKED TO NOT ALLOW SIMULTANEOUS HEATING AND COOLING.
3. HEAT PUMPS WITH SUPPLEMENTARY ELECTRIC HEAT SHALL INCLUDE MICROPROCESSOR CONTROLS THAT MINIMIZE ELECTRIC HEAT USAGE DURING START-UP, SET-UP, AND DEFROST CONDITIONS. CONTROLS SHALL ANTICIPATE NEED FOR HEAT AND USE COMPRESSION HEATING AS THE FIRST STAGE. CONTROLS SHALL INDICATE WHEN ELECTRIC HEAT IS BEING USED THROUGH VISUAL MEANS. ELECTRIC HEAT SHALL NOT OPERATE ABOVE 40 F OUTSIDE AIR TEMPERATURE.
4. THERMOSTATIC CONTROLS SHALL BE CONFIGURED WITH AT LEAST A 5F DEADBAND BETWEEN HEATING AND COOLING SETPOINTS.
5. THERMOSTATS (OTHER THAN GROUP R) SHALL BE 7-DAY PROGRAMMABLE WITH AUTOMATIC SETBACK CONTROLS SET DOWN TO 55F AND UP TO 85F. CONTROLS SHALL MAINTAIN PROGRAMMING FOR AT LEAST 10 HOURS DURING LOSS OF POWER. CONTROLS SHALL HAVE A MANUAL 2 HR OVERRIDE FOR TEMPORARY OPERATION. CONTROLS SHALL ADJUST THE DAILY START TIME FOR MORNING WARMUP PRIOR TO SCHEDULED OCCUPANCY.
6. PROVIDE AMCA CLASS 1A MOTORIZED CONTROL DAMPERS FOR OUTSIDE AIR INTAKES, EXHAUST OUTLETS, RELIEF OPENINGS, STAIRWAY AND SHAFT VENTS AND RETURN SIDE OF AIRSIDE ECONOMIZERS.
7. AIR-COOLED UNITARY DIRECT-EXPANSION UNITS WITH A COOLING CAPACITY OF 54 MBH OR GREATER THAT ARE EQUIPPED WITH AN ECONOMIZER SHALL INCLUDE FAULT DETECTION AND DIAGNOSTICS (FDD).
8. PROVIDE GAS-FIRED HEATING EQUIPMENT WITH MODULATING OR STAGED COMBUSTION CONTROL FOR ALL EQUIPMENT OVER 225 MBH.
9. THERMOSTATS (GROUP R) SHALL BE 5-2 PROGRAMMABLE SCHEDULE WITH AT LEAST 2 SETBACK PERIODS PER DAY.
10. PROVIDE DUCT, SHAFT AND PLENUM INSULATION PER C403.2.8 AND SPECIFICATION SECTION 23 07 00.
11. SEAL ALL TRANSVERSE AND LONGITUDINAL SEAMS, JOINTS AND CONNECTIONS OF ALL DUCTWORK WITH WELDS, GASKETS OR MASTICS.
12. PROVIDE PIPE INSULATION PER ENERGY CODE SECTION C403.2.9 AND SPECIFICATION SECTION 23 07 00.
13. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, SUNLIGHT, MOISTURE AND WIND. PROVIDE JACKET AND ALUMINUM COVERS. ADHESIVE TAPE IS NOT PERMITTED.
14. SINGLE FAN OR MULTIPLE FANS IN PARALLEL WITH COMBINED MOTOR NAMEPLATE OVER 5HP SHALL HAVE A FAN EFFICIENCY GRADE (FEG) OF 67 OR HIGHER AND SHALL BE SELECTED TO OPERATE WITHIN 15% OF THE MAXIMUM TOTAL EFFICIENCY OF THE FAN.
15. COOLING SYSTEMS 65 MBH AND GREATER SHALL HAVE TWO SPEED FAN CONTROL OR MODULATING FAN CONTROL.
16. FAN AND PUMP MOTORS 7.5 HP AND GREATER SHALL BE PROVIDED WITH A VFD.
17. ECONOMIZERS SHALL BE INTEGRATED WITH MECHANICAL COOLING AND SHALL BE CAPABLE OF PROVIDING PARTIAL ECONOMIZER COOLING EVEN WHEN ADDITIONAL MECHANICAL COOLING IS REQUIRED.
18. AIR ECONOMIZERS SHALL HAVE FIXED DRY-BULB HIGH-LIMIT SHUTOFF CONTROL NOT TO EXCEED 75 DEG. F.
19. ALL ELECTRIC MOTORS SHALL MEET THE EFFICIENCY REQUIREMENTS OF TABLES C405.8(1) THROUGH C405.8(4).
20. FAN MOTORS 1/12 HP UP TO 1 HP SHALL BE ECM.
21. PROVIDE A MEANS OF BALANCING EVERY AIR INLET AND OUTLET AND EVERY AIR OR WATER TERMINAL DEVICE.
22. ALL PIPE AND DUCT INSULATION SHALL BE LABELLED WITH ITS THICKNESS AND INSULATING VALUE (R OR K).

HVAC GENERAL NOTES

1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET, WHICH MAY BE REQUIRED. THE HVAC CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.
2. MATERIALS, METHODS AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE AND LOCAL CODES AND ORDINANCES.
3. DUCT CONSTRUCTION AND HANGING SHALL COMPLY WITH THE LATEST IMC AND WITH CURRENT SMACNA STANDARDS.
4. JOINTS OF DUCT SYSTEM SHALL BE SEALED WITH GASKETS OR LISTED MASTIC TYPE DUCT SEALANT.
5. DUCTS SHALL BE INSULATED AS INDICATED ON PLANS TO MEET THE REQUIREMENTS OF THE CURRENT INTERNATIONAL ENERGY CODE AND SPECIFICATION.
6. FLEXIBLE DUCTS SHALL ONLY BE USED WHERE SHOWN AND SHALL NOT EXCEED 6 FT IN LENGTH UNLESS NOTED OTHERWISE.
7. PROVIDE EARTHQUAKE RESTRAINT FOR HVAC EQUIPMENT IN ACCORDANCE WITH THE CURRENT IBC.
8. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOOR SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
9. PROVIDE RETURN DUCT SMOKE DETECTOR(S) FOR AUTOMATIC SHUT DOWN OF ALL HEATING OR COOLING EQUIPMENT DELIVERING IN EXCESS OF 2000 CFM IN ACCORDANCE WITH THE CURRENT INTERNATIONAL MECHANICAL CODE. POWER WIRING AND INTERLOCK WIRING WITH THE BUILDING FIRE ALARM SYSTEM IS BY THE ELECTRICAL CONTRACTOR.
10. HVAC EQUIPMENT, VALVES AND DAMPERS SHALL BE LOCATED IN EASILY ACCESSIBLE LOCATIONS, UNLESS SHOWN ON ARCHITECTURAL DRAWINGS. REQUIRED ACCESS PANELS SHALL BE PROVIDED BY THE HVAC CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
11. HVAC CONTRACTOR MUST COORDINATE WITH LIGHTING FIXTURES PRIOR TO DUCT AND PIPING INSTALLATION.

COMMISSIONING NOTES

1. BUILDING COMMISSIONING BY A CERTIFIED COMMISSIONING PROFESSIONAL (CCXP) SHALL BE COMPLETED FOR THE MECHANICAL SYSTEMS, SERVICE WATER HEATING SYSTEMS AND ENERGY METERING SYSTEMS ON THIS PROJECT IN ACCORD WITH THE COMMERCIAL ENERGY CODE SECTION C408 AND SPECIFICATION SECTION 230800. THE GOAL OF COMMISSIONING IS TO VERIFY THAT EQUIPMENT, CONTROLS AND THE SEQUENCING OF SUCH OPERATE AS INTENDED. THE COMMISSIONING DOCUMENTATION THAT IS REQUIRED IS THE PROOF OF THIS OPERATION. THE FOLLOWING TASKS ARE REQUIRED FOR COMMISSIONING. SEE SECTION 230800 FOR ADDITIONAL REQUIREMENTS.

2. COMMISSIONING PLAN: THE CCXP SHALL DEVELOP A PLAN WHICH OUTLINES THE ORGANIZATION, SCHEDULE, ALLOCATION OF RESOURCES AND DOCUMENTATION REQUIREMENTS OF THE COMMISSIONING PROCESS. ITEMS 1 THROUGH 4 AS SPECIFIED SHALL BE PREPARED AND SUBMITTED WITH THE MECHANICAL PERMIT. ITEMS 5 THROUGH 8 AS SPECIFIED SHALL BE SUBMITTED TO BUILDING DEPARTMENT PRIOR TO THE FIRST MECHANICAL INSPECTION. ALL ITEMS SHALL BE SUBMITTED WITH THE MECHANICAL SUBMITTALS.

3. PRELIMINARY COMMISSIONING REPORT: COMPLETION OF THE COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE CERTIFIED BY THE CCXP. REPORT SHALL NOTE DEFICIENCIES FOUND DURING TESTING, CORRECTIVE ACTION TAKEN OR THE ANTICIPATED DATE OF CORRECTION, CONDITIONS UNDER WHICH THE TESTING WAS PERFORMED AND STATUS OF ANY DEFERRED TESTS.
   A. SUBMISSION OF THIS REPORT IS REQUIRED PRIOR TO FINAL MECHANICAL & PLUMBING INSPECTIONS AND CERTIFICATE OF OCCUPANCY.
   B. A COPY OF THIS REPORT SHALL BE MADE AVAILABLE TO THE CODE OFFICIAL.

4. WITHIN 90 DAYS OF RECEIPT OF THE BUILDING CERTIFICATE OF OCCUPANCY, THE PROJECT RECORD DRAWINGS, O&M MANUALS, FINAL BALANCING REPORT, FINAL COMMISSIONING REPORT AND DOCUMENTATION OF COMPLETED OWNER TRAINING SHALL BE SUBMITTED FOR REVIEW.

5. RECORD DRAWINGS: LOCATION AND PERFORMANCE DATA ON EACH PIECE OF INSTALLED EQUIPMENT, AS-INSTALLED CONFIGURATION OF DUCT AND PIPE DISTRIBUTION SYSTEM, INCLUDING SIZES, AND THE TERMINAL AIR AND WATER DESIGN FLOW RATES OF THE ACTUAL INSTALLATION.

6. OPERATION & MAINTENANCE MATERIALS: SUBMIT ALL OF THE FOLLOWING.
   A. EQUIPMENT SIZE, SELECTED OPTIONS, AND REQUIRED MAINTENANCE.
   B. MANUFACTURER'S O&M MANUAL FOR EACH PIECE OF EQUIPMENT.
   C. NAME AND ADDRESS OF SERVICE AGENCY.
   D. CONTROLS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, SCHEMATICS, RECORD DRAWINGS AND CONTROL SEQUENCES. SETPOINTS SHALL BE PERMANENTLY RECORDED IN THESE DOCUMENTS.
   E. NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.

7. SYSTEM ADJUSTING & BALANCING: ALL HVAC, HYDRONIC AND SERVICE HOT WATER SYSTEMS SHALL BE BALANCED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH ACCEPTED ENGINEERING STANDARDS AND SECTION 230593. FINAL FLOW RATES SHALL BE WITHIN TOLERANCES SPECIFIED. EACH AIR INLET OR OUTLET AND HYDRONIC COIL SHALL BE EQUIPPED WITH A MEANS FOR BALANCING.

8. FUNCTIONAL PERFORMANCE TESTING (FPT): THE CCXP SHALL PROVIDE AND EXECUTE WRITTEN PROCEDURES WHICH CLEARLY DESCRIBE THE INDIVIDUAL SYSTEMATIC TEST PROCEDURES, THE EXPECTED SYSTEMS' RESPONSE, ACCEPTANCE CRITERIA FOR EACH PROCEDURE, THE ACTUAL RESPONSE OR FINDINGS AND ANY NOTES. TESTING SHALL AFFIRM OPERATION DURING ACTUAL OR SIMULATED WINTER AND SUMMER CONDITIONS AND DURING FULL OUTSIDE AIR CONDITIONS.
   A. EQUIPMENT FPT SHALL DEMONSTRATE THE CORRECT INSTALLATION AND OPERATION OF EACH COMPONENT, SYSTEM, AND SYSTEM-TO-SYSTEM INTERTIE RELATIONSHIP. TESTING SHALL INCLUDE ALL MODES AND SEQUENCE OF OPERATIONS, INCLUDING FULL-LOAD, PART-LOAD, EMERGENCY, ALARMS AND LOSS OF POWER.
   B. CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. SEQUENCE OF OPERATION SHALL BE FUNCTIONALLY TESTED TO DOCUMENT THEY OPERATE AS REQUIRED.
   C. ECONOMIZER SHALL UNDERGO A FUNCTIONAL TEST TO DETERMINE THAT THEY OPERATE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

9. OWNER TRAINING: PROVIDE SYSTEM/EQUIPMENT OVERVIEW (WHAT IT IS, WHAT IT DOES AND WHICH OTHER SYSTEMS AND OR EQUIPMENT DOES IT INTERFACE WITH). REVIEW THE AVAILABLE O&M MATERIALS. REVIEW THE PROJECT RECORD DRAWINGS. PROVIDE HANDS-ON DEMONSTRATION OF ALL NORMAL MAINTENANCE PROCEDURES, NORMAL OPERATING MODES, AND ALL EMERGENCY SHUTDOWN AND START-UP PROCEDURES. INCLUDE WRITTEN DOCUMENTATION THAT ALL THE PREVIOUS HAS BEEN COMPLETED.

10. FINAL COMMISSIONING REPORT: THE CCXP SHALL COMPLETE AND CERTIFY THE RESULTS OF ALL FUNCTIONAL PERFORMANCE TESTS AND THAT THE COMMISSIONING PLAN HAS BEEN FULLY EXECUTED. REPORT SHALL INCLUDE:
    A. DISPOSITION OF ALL DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.
    B. ALL FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS INCLUDING CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY.

11. BUILDINGS OR PORTIONS THEREOF, SHALL NOT BE CONSIDERED ACCEPTABLE FOR FINAL INSPECTION UNTIL THE CODE OFFICIAL HAS RECEIVED A LETTER OF TRANSMITTAL FROM THE BUILDING OWNER ACKNOWLEDGING RECEIPT OF THE PRELIMINARY COMMISSIONING REPORT. THIS MAY BE ACCOMPLISHED BY SUBMITTING THE COMMISSIONING COMPLIANCE CHECKLIST.

12. THE MECHANICAL CONTRACTOR SHALL NOT BE CONSIDERED SUBSTANTIALLY COMPLETE UNTIL THE PRELIMINARY COMMISSIONING REPORT HAS BEEN APPROVED BY THE ENGINEER.

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

NOTES

SHEET #

M00.02

ENERGY RECOVERY VENTILATOR SCHEDULE

MARK	MAKE	MODEL	TYPE	SUPPLY CFM	SUPPLY ESP	SUPPLY BHP	SUPPLY HP	EXHAUST CFM	EXHAUST ESP	EXHAUST BHP	EXHAUST HP	FAN POWER (W/CFM)	HEAT EXCHANGER AHRI 1060 MATERIAL	HEAT EXCHANGER AHRI 1060 WINTER SENS.	HEAT INPUT	HEAT OUTPUT	HEAT EFF	ELECTRICAL MCA	ELECTRICAL MOCP	ELECTRICAL VOLT/PH	ELECTRICAL SCCR	WGT. LBS	NOTES
ERV-1	GREENHECK	ECV-10L-VG-P	OUTDOOR	500	0.5	0.19	1/2	400	0.5	0.15	1/2	0.513	POLY CORE	60.4%	N/A	N/A	---	14.4	20	120/1	NOTE D	800	ALL

NOTES:
1. DOUBLE WALL CONSTRUCTION W/ INSULATION & HINGED ACCESS
2. MOTORIZED INSULATED LOW LEAK SUPPLY AND EXHAUST DAMPERS
3. PERMATECTOR FINISH
4. INTERNAL NEOPRENE ISOLATION
5. DIRTY FILTER SENSORS
6. SINGLE POINT POWER
7. SEISMIC SPRING CURB
8. MERV 13 SUPPLY FILTERS; MERV 8 EXHAUST FILTERS

A. MICROPROCESSOR UNIT CONTROL, WITH DIGITAL REMOTE INTERFACE
B. SUPPLY - CONSTANT VOLUME, W/ECM; EXHAUST - CONSTANT VOLUME W/ECM FOR BALANCING
C. TIMED EXHAUST FROST CONTROL
D. PROVIDE RATING PER SPECIFICATIONS AND ELECTRICAL

RANGE HOOD SCHEDULE

MARK	SERVES	MAKE	MODEL	TYPE	CFM HIGH SPD	CFM LOW SPD	ESP INCH WC	ELEC VOLT / PH	ELEC AMPS	WT. LBS	MAX SONES	NOTES
RH-1	KITCHEN	BROANN	BPDP136SS	UNDER CABINET	400	120	0.10	120 /1	1.4	10.36	6.5	ALL

NOTES:
1. PROVIDE MANUFACTURER'S REMOTE WIRING HARDNESS & 2-ROCKER SWITCH CONTROL FOR ADA COMPLIANCE
2. INTEGRAL LED LIGHT
3. HYBRID BAFFLE GREESE FILTERS
4. STAINLESS STEEL

A. INSTALL 2-ROCKER SWITCH CONTROL (ADA) PER MANUFACTURER'S INSTRUCTIONS

ELECTRIC DUCT HEATER SCHEDULE

MARK	MAKE	MODEL	SERVES	DUCT SIZE	HEAT KW	STAGES	VOLT / PH	NOTES:
DH-1	INDEECO	QUZ	ERV-1	12	3	SCR	208/1	ALL

NOTES:
1. FLANGE DUCT CONNECTION
2. AIR FLOW SWITCH SAFETY HIGH LIMIT
3. PROPORTIONAL SCR CONTROL
4. MAGNETIC CONTACTS
5. CONTROL TRANSFORMER

A. SINGLE DOWNSTREAM DUCT THERMOSTAT

DIFFUSER AND GRILLE SCHEDULE

ITEM	MAKE	MODEL	DESCRIPTION	SIZE	MARK
SUPPLY DIFFUSER	PRICE	SPJD	SQUARE FACE INDUCTION NOZZLES STEEL, WHITE ENAMEL PROVIDE 5"Ø SIDE INLET PLENUM	6"-24"X24"	D-11
INDUCTION SUPPLY DIFFUSER	PRICE	SPD-HI	SQUARE PLAQUE FACE, 24"X24" INDUCTION AIR JETS, STEEL, WHITE ENAMEL	8"	D-51
RETURN GRILLE	TITUS	50F	1/2" EGG CRATE, ALUM., WHITE ENAMEL	8"X6"	G-1
HEAVY DUTY GRILLE	TITUS	33R(S/L)	HEAVY DUTY BAR GRILLE 38 DEG DEFLECTION STEEL, WHITE FINISH	10"X12" RS 18"X18"	G-31 G-32

NOTES:
1. CEILING UNIT FRAME SHALL BE COMPATIBLE WITH CEILINGS; FLAT FRAME SURFACE MOUNT (TITUS BORDER TYPE 1) FOR DRYWALL CEILINGS AND WITH LAY-IN PANEL FOR EXPOSED GRID CEILINGS (TITUS BORDER TYPE 3). SEE ARCHITECTURAL PLANS FOR CEILING TYPES.
2. BEVELED DROP FACE DIFFUSERS (TITUS BORDER TYPE 6) ARE NOT ACCEPTABLE.
3. SIZE INDICATES DUCT COLLAR.

ELECTRIC WALL HEATER SCHEDULE

MARK	MAKE	MODEL	HEAT W	ELEC VOLT/PH	NOTES:
EWH-1	MARKEL	3320	750 W	120 / 1	1, 2, 3

NOTES:
1. HIGH TEMPERATURE MANUAL RESET AND OVERTEMPERATURE SAFEGUARD.
2. BUILT IN THERMOSTAT
3. SEE PLANS FOR UNIT QUANTITY.

LOUVER SCHEDULE

MARK	MAKE	MODEL	WIDTH	HEIGHT	FREE AREA	MATERIAL	FINISH	NOTES:
L-1	GREENHECK	ESD-403	36"	36"	4.21	ALUMINUM	KYNAR	1, 2, 3

NOTES:
1. COLOR TO BE SELECTED BY ARCHITECT.
2. PROVIDE ALUMINUM BIRDSCREEN.
3. PROVIDE INSTALLATION HARDWARE AS REQUIRED.

FAN SCHEDULE

MARK	SERVES	MAKE	MODEL	TYPE	LOW CFM	CFM	ESP INCH WC	RPM	BHP	HP (WATTS)	ELEC VOLT/PH	WT. LBS	MAX SOUND	NOTES:
EF-1	APP BAY	GREENHECK	G-180-VG	ROOF CENT	N/A	2500	0.375	900	0.31	3/4	120	200	68 LWA	B, 2, 3, 5
EF-2	APP BATHROOM, MEZZININE	GREENHECK	SQ-90-VG	INLINE	N/A	350	0.15	1725	0.03	1/10	120	75	62 LWA	A, 1, 9

NOTES:
1. ECM SPEED CONTROL ON MOTOR
2. FACTORY INSULATED CURB, MATCH ROOF SLOPE
3. ALUMINUM BIRDSCREEN, CURB SEAL, AND HINGE KIT
4. NOT USED
5. MOTORIZED INSULATED CONTROL DAMPER
6. NEOPRENE HANGING ISOLATION
7. FILTER BOX W/ 2" MERV 13 FILTERS
8. INSULATED HOUSING
9. SPRING ISOLATION HANGERS

A. RUNS CONTINUOUSLY
B. INTERLOCK WITH CO/NO2 SENSORS
C. WALL TIMER
D. COOLING ONLY THERMOSTAT

SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

INDOOR UNIT MARK	MAKE	MODEL	SUPPLY TOTAL CFM	SUPPLY ESP W.C.	SUPPLY OSA CFM	COOLING TOTAL MBH	COOLING SENSIBLE MBH	COOLING EAT DB / WB	COOLING OAT DB	COOLING ECONO (Y/N)	COOLING ECONO EXCEPT	HEATING MBH OUTPUT @ 20 OAT	ELECTRICAL VOLT/PH	ELECTRICAL MCA	SOUND LEVEL dBA	OP. WT. LBS.	OUTDOOR UNIT MARK	MAKE	MODEL	COOLING TOTAL MBH	COOLING SEER	COOLING EER	HEATING TOTAL MBH	HEATING COP AT 47 F	ELECTRICAL VOLT/PH	ELECTRICAL MCA	ELECTRICAL MOCP	ELECTRICAL SCCR kA	SOUND LEVEL dBA	OP. WT. LBS.	NOTES:
																	CU-1	MITSUBISHI-TRANE	TUMY-P0601AK43NA	60	20	13.3	66	4.1	208/1	36	45	(C)	59	400	C, 1
HP-1	MITSUBISHI-TRANE	TPKFYP024KM142A	920	-	N/A	22.8	19.0	75/63	88.0	N	C403.6	25.4	208/1	0.63	49	60															A, B, 3
HP-2	MITSUBISHI-TRANE	TPKFYP012LM140A	297	-	N/A	11.4	7.8	75/63	88.0	N	C403.6	12.7	208/1	0.24	41	35															A, B, 3
HP-3	MITSUBISHI-TRANE	TPKFYP012LM140A	297	-	N/A	11.4	7.8	75/63	88.0	N	C403.6	12.7	208/1	0.24	41	35															A, B, 3
HP-4	MITSUBISHI-TRANE	TPKFYP012LM140A	297	-	N/A	11.4	7.8	75/63	88.0	N	C403.6	12.7	208/1	0.24	41	35															A, B, 3

NOTES:
1. MANUFACTURER'S DIGITAL CONTROL SYSTEM WITH AE-200A CENTRAL CONTROLLER. (115 VOLT)
2. FACTORY FILTER BOX WITH MERV 8 FILTER.
3. FACTORY PROVIDED WASHABLE FILTER.

A. TAR-40MA REMOTE CONTROLLER.
B. PROVIDE WITH BLUEDIAMOND CONDENSATE PUMP
C. SEE SPECIFICATIONS AND ELECTRICAL.
D. INTEGRAL CONDENSATE PUMP

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

JASON SHAFER — STATE OF WASHINGTON — 47106 — REGISTERED PROFESSIONAL ENGINEER — FOR JEFFERSON COUNTY ONLY

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

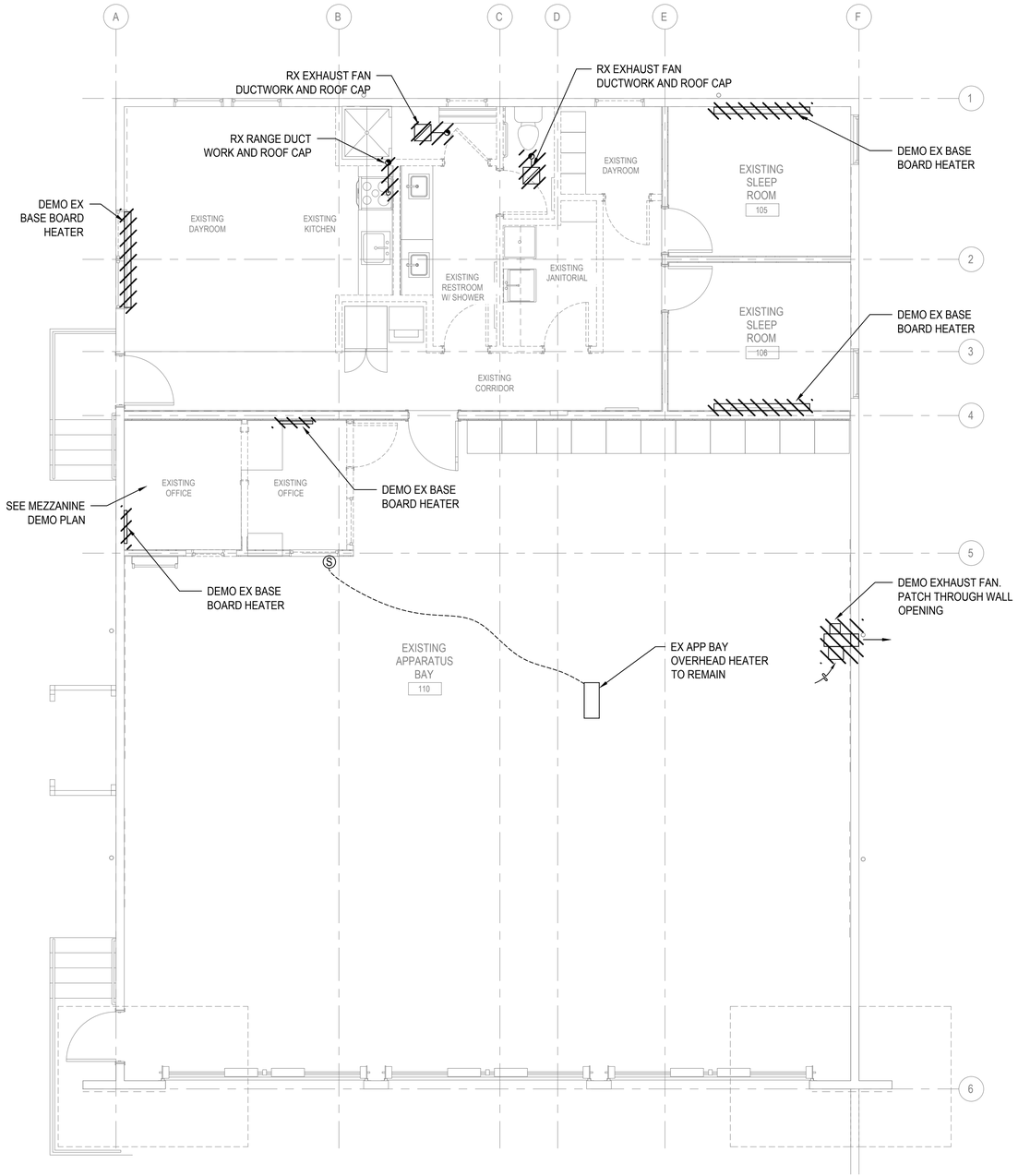
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

SCHEDULES

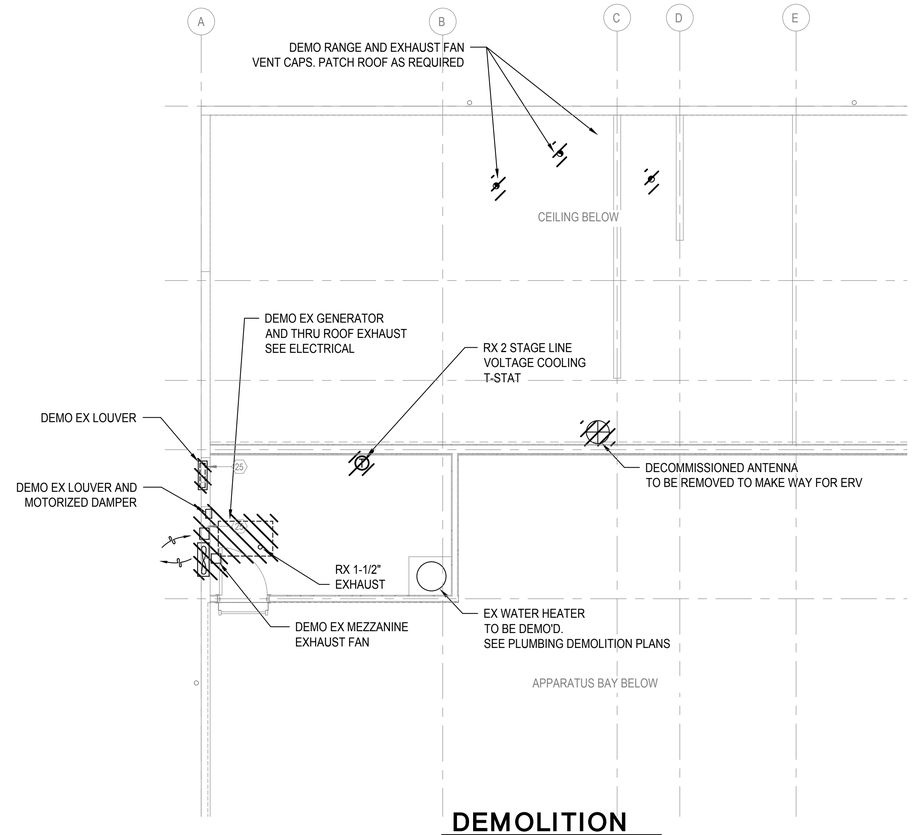
SHEET #

M00.03



DEMOLITION FLOOR PLAN - LEVEL 1

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



DEMOLITION MEZZANINE PLAN

1 / M20.01 — 1/4"=1'-0"

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS

192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83

SNOHOMISH REGIONAL FIRE & RESCUE

13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

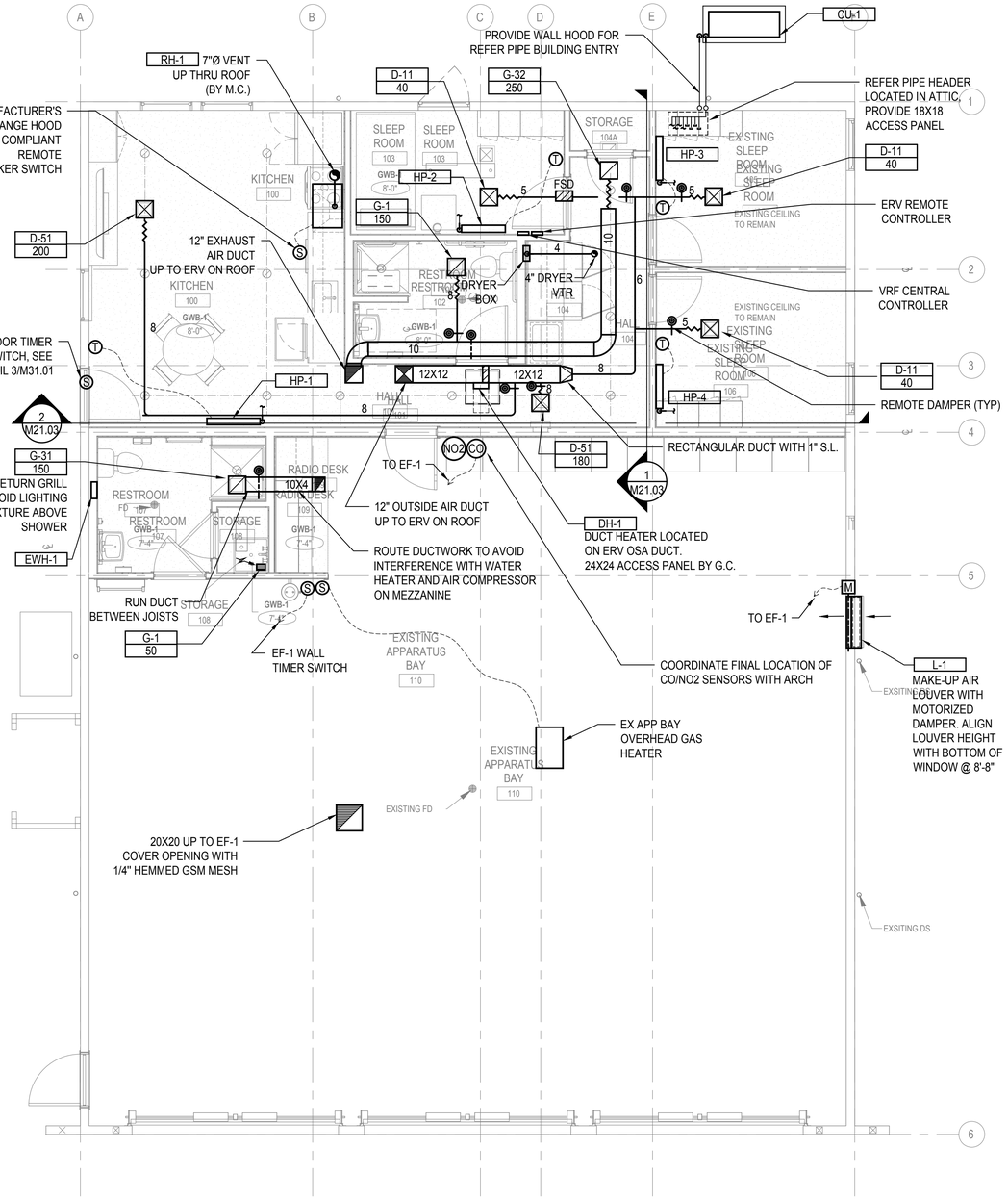
REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

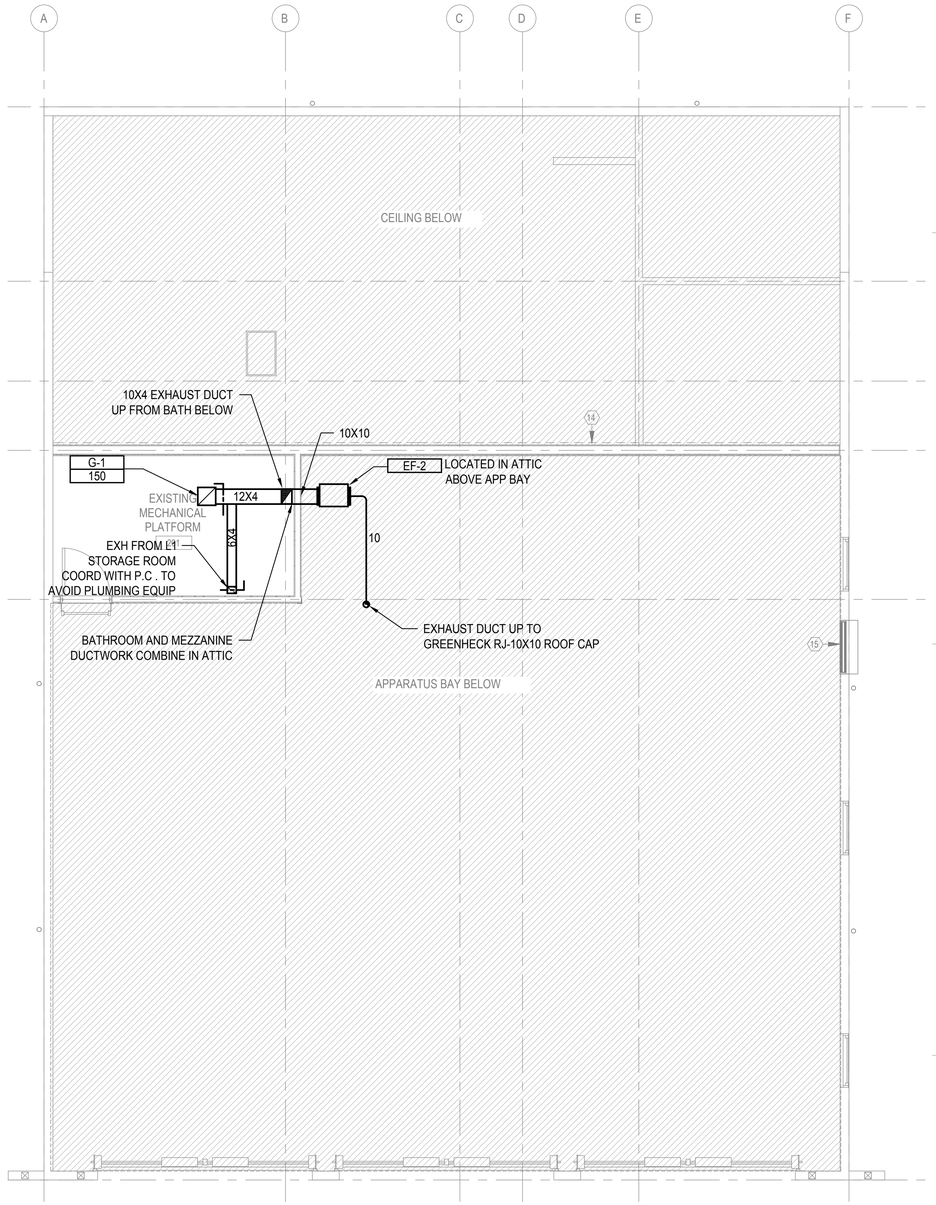
LEVEL 1 - DEMO PLAN

SHEET #

M20.01



FLOOR PLAN - LEVEL 1
SCALE: 1/4"=1'-0"



MEZZANINE PLAN - LEVEL 1
SCALE: 1/4"=1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER + BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATE OF WASHINGTON · SHANE A. JEFFERSON · 47106 · REGISTERED PROFESSIONAL ENGINEER · FOR REFERENCE ONLY

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

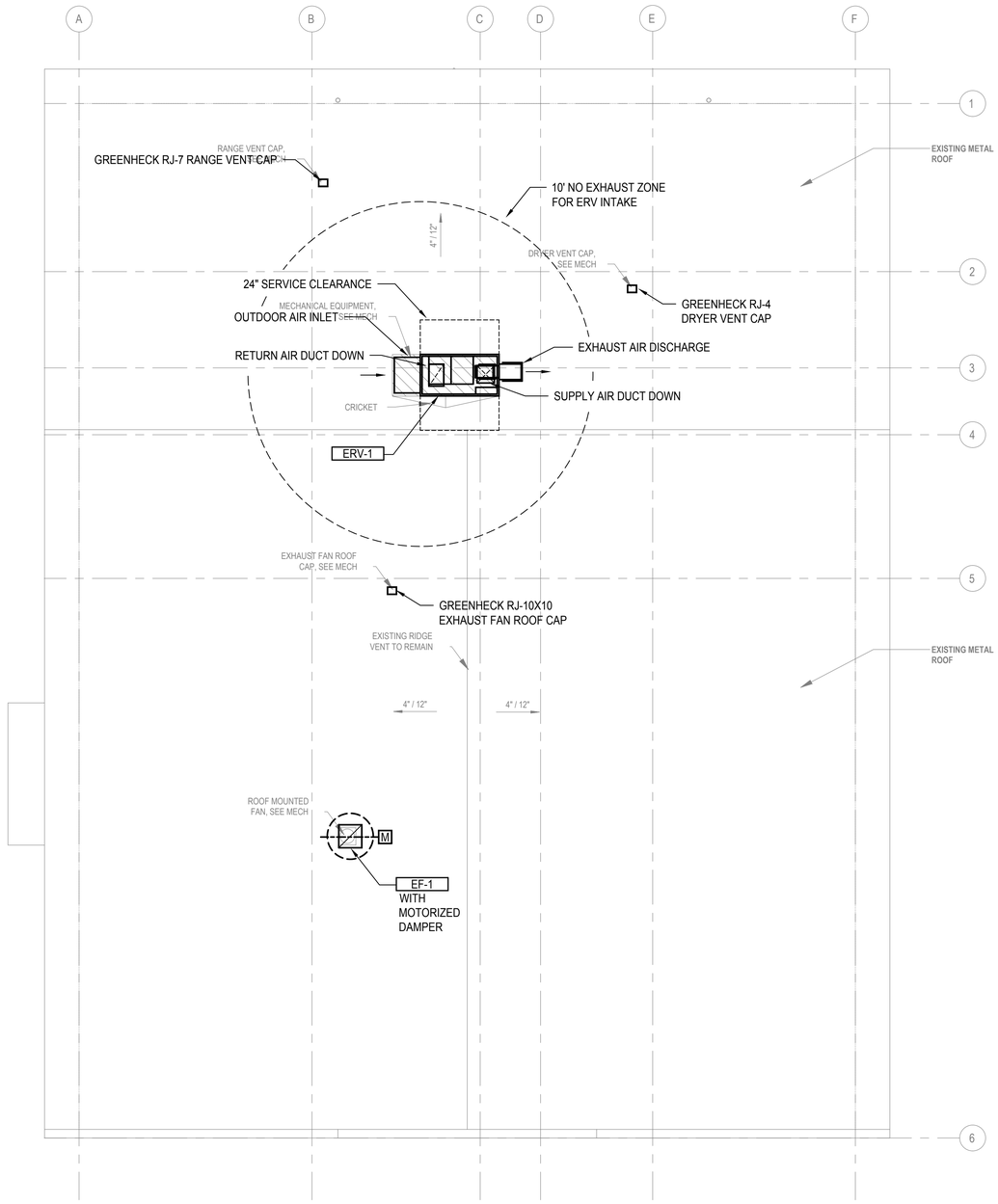
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

FLOOR PLAN AND MEZZANINE - LEVEL 1

SHEET #
M21.01

DATE/ TIME PRINTED:



GENERAL NOTES:

VERIFY EXACT LOCATION OF ERV WITH STRUCTURAL TO AVOID DUCTING/TRUSS MEMBER CONFLICTS. MAINTAIN MIN 10' NO EXHAUST ZONE FROM ERV INTAKE TO EXHAUST OUTLETS

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

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

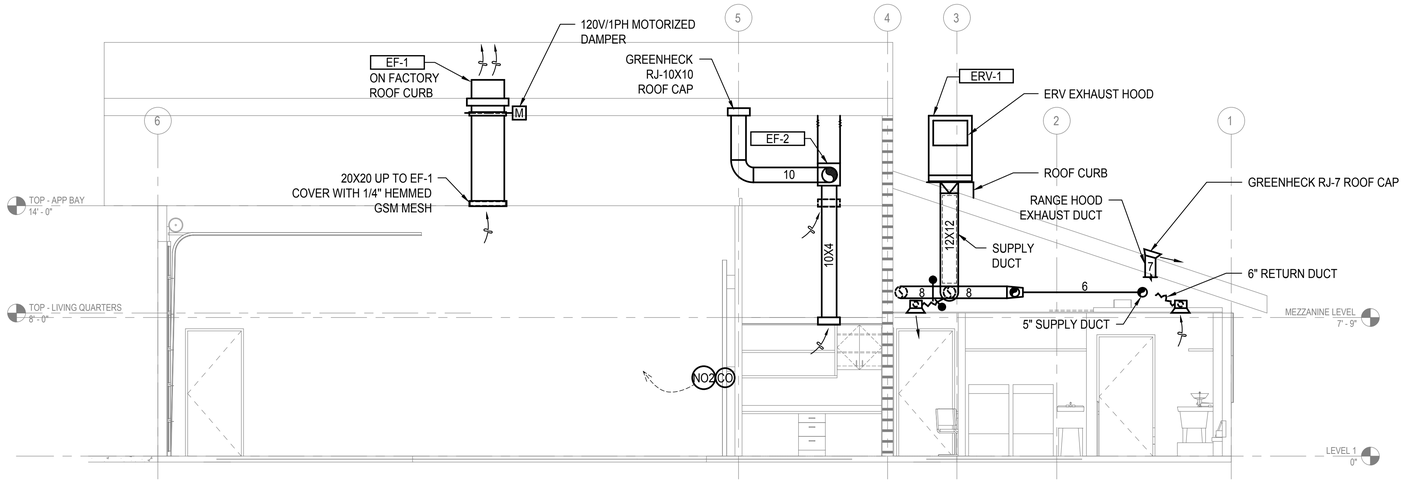
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

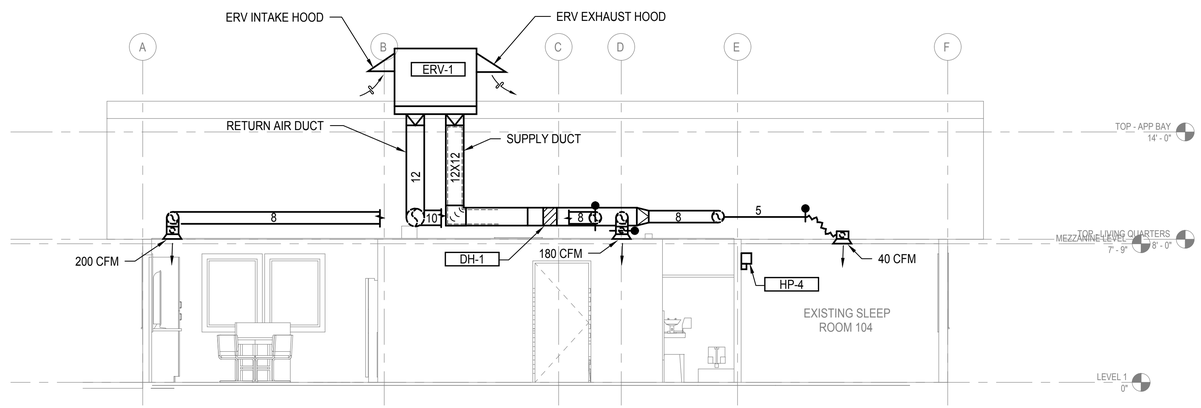
AHJ APPROVAL STAMP

ROOF PLAN

SHEET #
M21.02



1 M21.03 **SECTION**
1/4"=1'-0"



1 M21.03 **SECTION**
1/4"=1'-0"

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

JASON SHAFFER — STATE OF WASHINGTON — 47106 — REGISTERED PROFESSIONAL ENGINEER
FOR REFERENCE ONLY

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

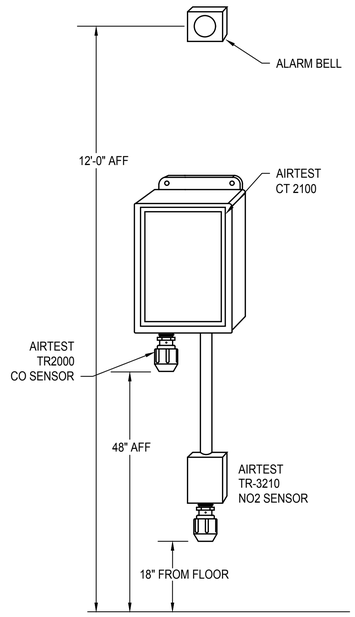
PROJECT # 20036
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

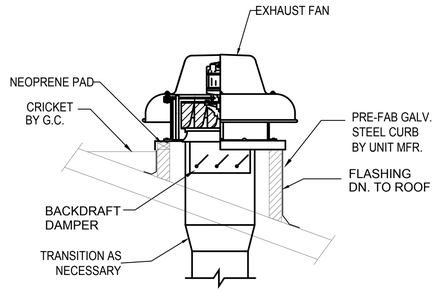
AHJ APPROVAL STAMP

SECTION

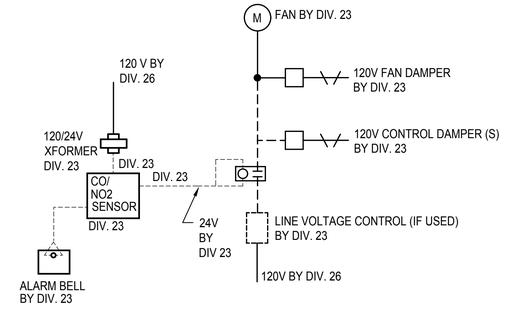
SHEET #
M21.03



3 CO/N02 DETECTOR DETAIL
M31.01 N.T.S.

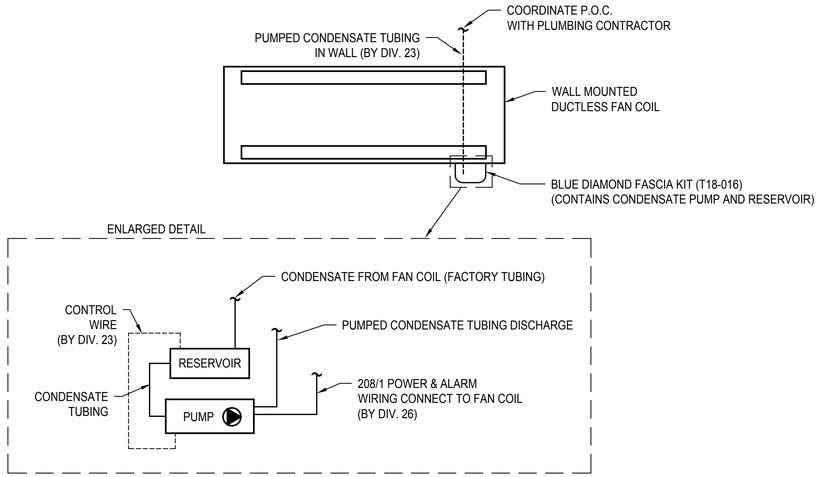


ROOF EXHAUST FAN DETAIL
2 M31.02 Scale: NONE

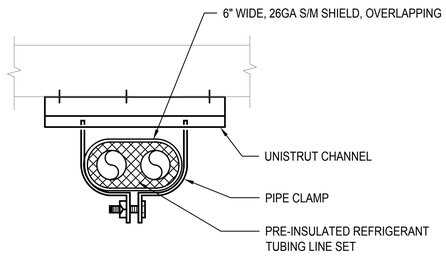


NOTES:
1. PROVIDE 120V DAMPERS FOR FAN AND ASSOCIATED CONTROL DAMPER(S).

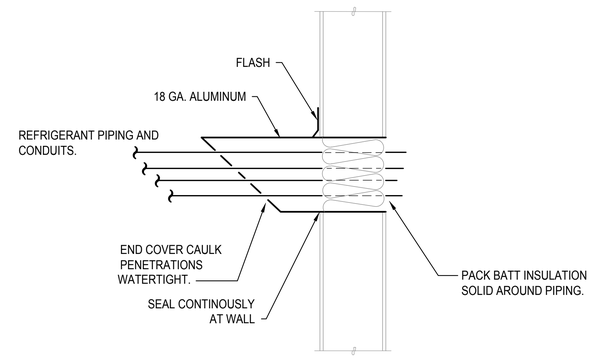
CO/NO2 (EF-1) SENSOR CONTROL SCHEMATIC
1 M31.03 Scale: NONE



WALL MOUNTED DUCTLESS FAN COIL CONDENSATE PUMP (FASCIA)
6 M31.01 N.T.S.



REFRIGERANT PIPE SUPPORT
5 M31.01 N.T.S.



WALL PIPE PENETRATION
4 M31.01 N.T.S.

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATE OF WASHINGTON SHANE M. FERGUSON 47106 REGISTERED PROFESSIONAL ENGINEER
FOR REFERENCE ONLY

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

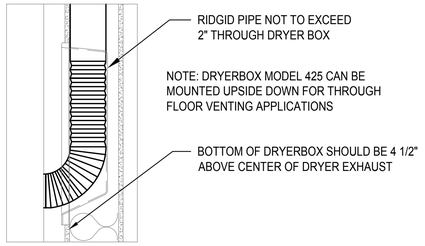
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

DETAILS

SHEET #
M31.01

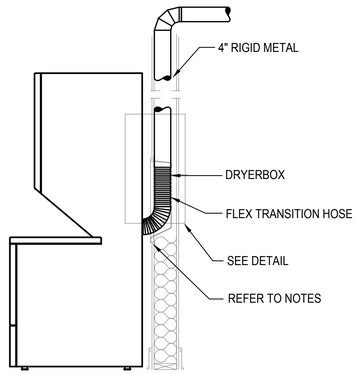


DRYERBOX INSTALLATION

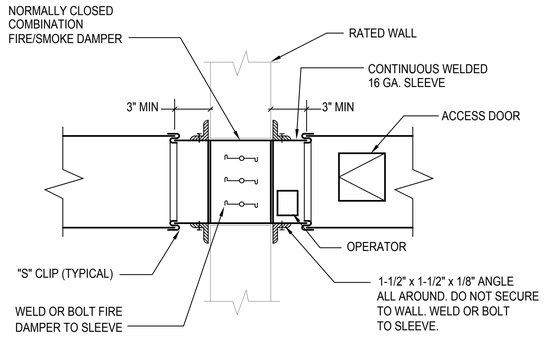
DRYER VENTING: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RUNNING ALL DUCTWORK FOR THE DRYER EXHAUST SYSTEM. ALL CONCEALED DRYER DUCTING MUST BE RIGID METAL (GALVANIZED OR ALUMINUM) MINIMUM OF 4" IN DIAMETER, SMOOTH 30 GA. CLEAN, UNOBSTRUCTED, FRICTIONLESS DUCTS (NO FLEXIBLE DUCT ALLOWED IN CONCEALED AREAS). SEAL ALL JOINTS WITH FOIL BACKED PRESSURE SENSITIVE DUCT TAPE MEETING THE REQUIREMENTS OF UL 181. DUCT JOINTS SHALL BE INSTALLED SO THAT THE MALE END OF THE DUCT POINTS IN THE DIRECTION OF THE AIRFLOW. DO NOT USE RIVETS OR SCREWS IN THE JOINTS OR ANYWHERE ELSE IN THE DUCT AS THESE WILL ENCOURAGE LINT COLLECTION.

DRYERBOX® RECEPTACLE (WWW.DRYERBOX.COM) SHALL BE METAL AND BE INSTALLED AS LOW AS POSSIBLE AS TO PERMIT THE PROPER AND SAFE COLLECTION OF THE DRYER TRANSITION HOSE. DRYERBOX SHOULD BE RESTING ON THE BOTTOM PLATE AND BE LOCATED AT OR NEAR THE CENTERLINE OF THE PROPOSED DRYER APPLIANCE. RIGID DUCT SHOULD PENETRATE DRYERBOX PORT 2 INCHES TO PROVIDE FOR FUTURE CONNECTION AND STORAGE OF TRANSITION HOSE. BASEBOARD SHALL BE "BUTTED" UP TO THE FIXED EXTENSION RIM AND SLIGHTLY BACK-CUT. DRYERBOX SHOULD BE CAULKED AND THEN PAINTED WITH THE TRIM PAINT. FOR USAGE IN A ONE-HOUR WALL ASSEMBLY, UL REQUIRES THAT BATT INSULATION BE STUFFED AROUND THE DRYERBOX AND IN THE ENTIRE WALL CAVITY CELL.

LENGTH OF CONCEALED RIGID METAL DUCTING SHALL NOT EXCEED 25 FEET. DEDUCT 5 FEET FROM THE ALLOWABLE LENGTH FOR EVERY 3.5" RADIUS 90 DEGREE ELBOW AND TWO AND A HALF FEET FOR EVERY 45 DEGREE FITTING. DRYER VENTING SHALL BE INDEPENDENT OF ANY OTHER SYSTEMS (CHIMNEYS OR EXHAUST VENTS). TERMINATION OF DRYER VENTING MUST BE TO THE EXTERIOR WITH A PROPER HOOD OR ROOF JACK EQUIPPED WITH A BACK-DRAFT DAMPER. SMALL ORIFICE METAL SCREENING SHOULD NOT BE PART OF THE HOOD OR ROOF JACK AS THIS WILL ACCELERATE LINT ACCUMULATION AND BLOCKAGE. THE HOOD OPENING SHOULD POINT DOWN AND EXHIBIT 12 INCHES OF CLEARANCE BETWEEN THE BOTTOM OF THE HOOD AND THE GROUND OR OTHER OBSTRUCTION. VERIFY MANUFACTURER'S RECOMMENDATIONS FOR ANY OTHER FACTORS.

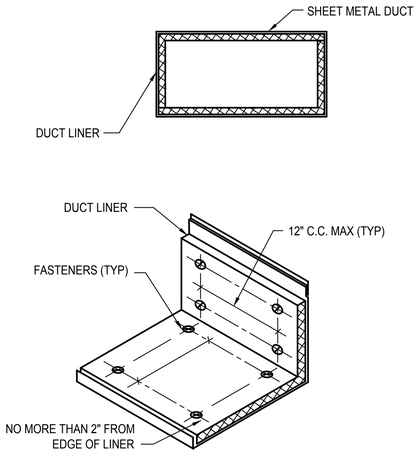


2 M31.02 **DRYER VENT WALL BOX**
N.T.S.



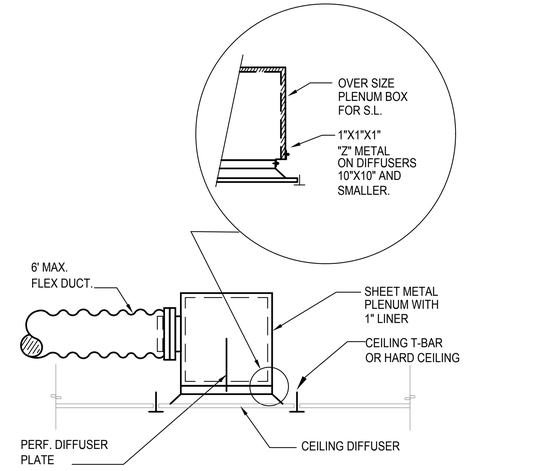
NOTE
ELECTRICAL POWER CONNECTION REQUIRED
COORDINATE W/ ELECTRICAL SECTION OF WORK

1 M31.02 **U.L. LISTED COMBINATION FIRE/SMOKE DAMPER**
N.T.S.



NOTES:
1. PROVIDE S/M NOSING AT EXPOSED EDGES OF INSULATION.
2. ALL TRANSVERSE AND LONGITUDINAL ENDS OF LINER TO BE COATED WITH ADHESIVE.

4 M31.02 **DUCT LINER DETAIL**
N.T.S.



OPTION 1: FOR RECTANGULAR OR ROUND DIFFUSER COLLARS

NOTES:
1. SEE ARCHITECTURAL PLANS FOR CEILING TYPES.
2. SUPPLY SHOWN, DETAIL WITHOUT PERF PLATE IS TYPICAL FOR CEILING RETURN OR EXHAUST GRILLE INSTALLATION.

3 M31.02 **CEILING INSTALLATION TYPICAL DIFFUSER DETAIL**
Scale: NONE

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036
BID SET
ISSUE DATE JUNE 12, 2023

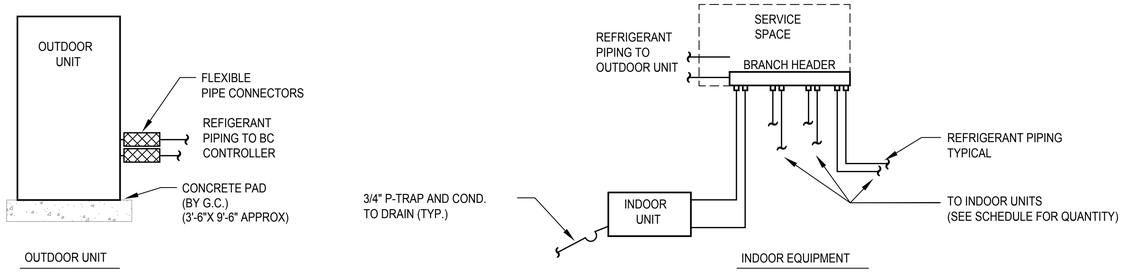
REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

DETAILS

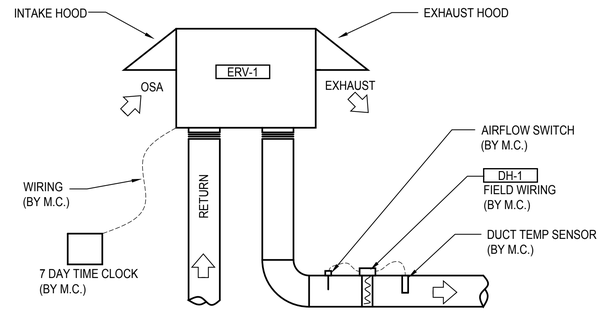
SHEET #
M31.02



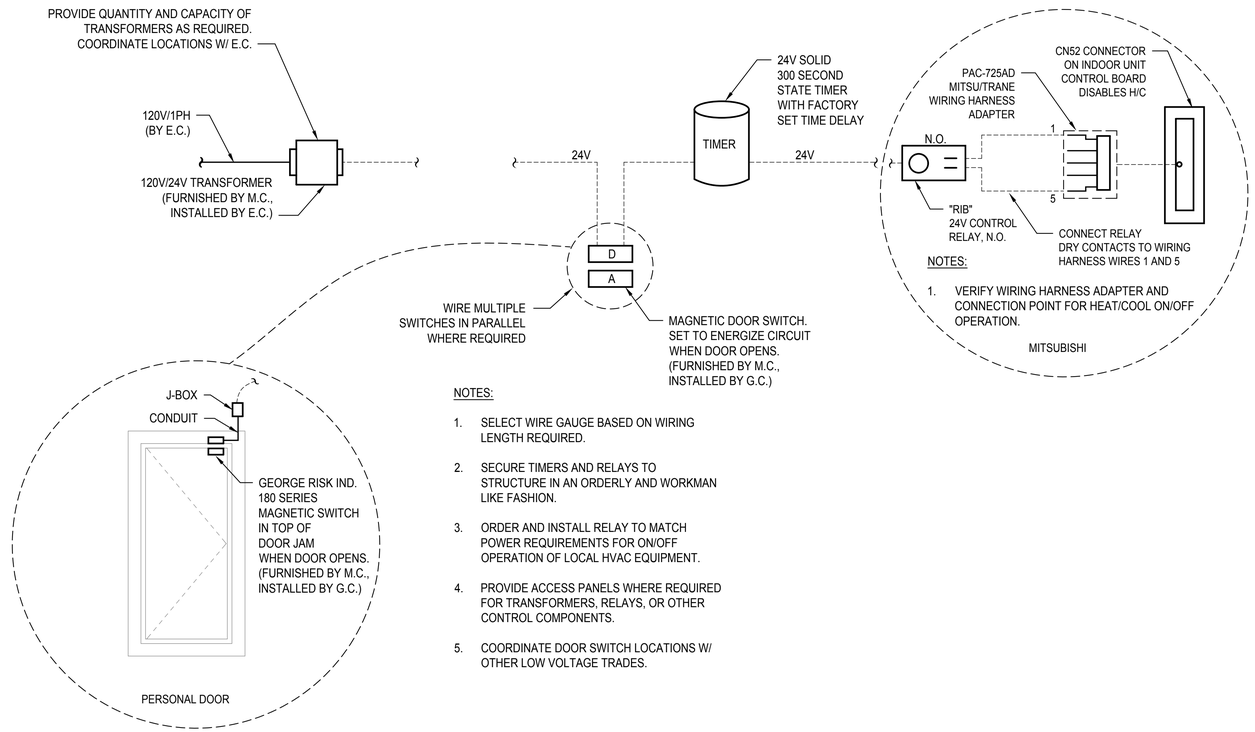
NOTE:

1. INSULATE BOTH LIQUID AND VAPORS LINES THROUGH OUT SYSTEM.
2. SECURE OUTDOOR UNIT TO SUPPORT.
3. SIZE REFRIGERANT LINES BASED ON MITSUBISHI SYSTEM CALCULATIONS.
4. VERIFY ROUTING FOR REFRIGERANT PIPING AND CONDENSATE DRAINS.

2 VRFZ SYSTEM
M31.03 N.T.S.



1 ERV-1 CONTROL DIAGRAM
M31.03 N.T.S.



NOTES:

1. SELECT WIRE GAUGE BASED ON WIRING LENGTH REQUIRED.
2. SECURE TIMERS AND RELAYS TO STRUCTURE IN AN ORDERLY AND WORKMAN LIKE FASHION.
3. ORDER AND INSTALL RELAY TO MATCH POWER REQUIREMENTS FOR ON/OFF OPERATION OF LOCAL HVAC EQUIPMENT.
4. PROVIDE ACCESS PANELS WHERE REQUIRED FOR TRANSFORMERS, RELAYS, OR OTHER CONTROL COMPONENTS.
5. COORDINATE DOOR SWITCH LOCATIONS W/ OTHER LOW VOLTAGE TRADES.

3 MITSU/TRANE HEAT PUMP DOOR TIMER DETAIL
M31.03 N.T.S.

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

DETAILS & CONTROLS

SHEET #
M31.03

PLUMBING SYMBOLS LEGEND

LINETYPE LEGEND

- EXISTING
- NEW WORK DARK/HEAVY

PIPING SYSTEM LABELS

- CW — COLD WATER
- HW — HOT WATER
- (140) — HOT WATER (TEMPERATURE)
- HWC — HOT WATER CIRCULATING
- SD — STORM DRAIN
- PW — PUMPED WASTE
- WASTE (BURIED)
- W — WASTE (ABOVE GRADE)
- GW — GREASE WASTE
- V — VENT
- RL — RAINLEADER
- OD — OVERFLOW DRAIN
- NPW — NON-POTABLE COLD WATER
- G OR P — NATURAL GAS OR PROPANE
- F — FIRE SERVICE
- DIRECTION OF FLOW
- CA — COMPRESSED AIR
- DI — DIONIZED WATER
- V — VACUUM
- C — CONDENSATE
- PC — PUMPED CONDENSATE
- X" — SLOPE SYMBOL (X' PER FOOT)

PIPE FITTINGS

- PIPE DOWN
- PIPE UP
- TEE UP
- TEE DOWN
- UNION
- PIPE ANCHOR POINT
- PIPE GUIDE
- FLANGE
- CAP

DRAINS AND CLEANOUTS

- FLOOR SINK
- FLOOR DRAIN
- HIDDEN FLOOR DRAIN
- ROOF DRAIN
- OVERFLOW DRAIN
- FLOOR CLEANOUT
- GRADE CLEANOUT
- TRENCH DRAIN
- WALL CLEANOUT
- UP TO CLEANOUT
- FUNNEL DRAIN
- STANDPIPE FUNNEL DRAIN

PIPE VALVES AND SPECIALTIES

- P-1 — PLUMBING EQUIPMENT
- X — MEDICAL TAG
- M-1 — DETAIL NUMBER / SHEET
- FLAG NOTE
- 1 — REVISION TAG
- 1 / P-1 — PLUMBING RISER NO. / SHEET
- 1 — SECTION NUMBER / SHEET NUMBER

PIPE VALVES AND SPECIALTIES

- GATE VALVE
- GLOBE VALVE
- NON RISING STEM VALVE
- RISING STEM GATE VALVE
- BALANCING VALVE (CIRCUIT SETTER)
- AUTOFLOW VALVE
- CHECK VALVE
- BALL VALVE
- PRESSURE REDUCING VALVE
- SOLENOID VALVE
- PRESSURE GAUGE
- THERMOMETER
- STRAINER
- SAFETY VALVE
- PIPING FLEXIBLE CONNECTIONS
- BUTTERFLY VALVE
- OR — CAP
- HOSE BIBB
- DOUBLE CHECK VALVE
- RPBA
- TRIPLE DUTY VALVE
- BALL VALVE MANUAL LEVER
- GLOBE VALVE MANUAL LEVER
- BALANCE VALVE (PRESSURE INDEPENDENT)
- PUMP
- M — METER
- M — METER

PLUMBING NOTES

1. PLUMBING FIXTURES SHALL BE DESIGNED OR EQUIPPED TO MEET FOLLOWING MAXIMUM WATER USE EFFICIENCY STANDARDS:
   - A. WATER CLOSETS (TANK STYLE OR FLUSH VALVE). 1.28 GPF
   - B. SHOWER HEADS 1.5 GPM
   - C. RESIDENTIAL LAVATORY FAUCETS. 1.5 GPM
   - D. PUBLIC LAVATORY FAUCETS. 0.5 GPM
   - E. KITCHEN SINK FAUCETS 1.5 GPM

   SINK AND LAVATORY DRAINS SHALL BE CHROME PLATED 17 GA. BRASS TUBING BY ENGINEERED BRASS, DEARBORN BRASS OR BRASSCRAFT. PROVIDE INSULATED P-TRAP AND SUPPLY COVERS (TRUEBRO OR EQUAL) AT ALL EXPOSED P-TRAPS AND SUPPLIES PER A.D.A. STANDARDS.
2. PLUMBING FIXTURE MOUNTING SHALL COMPLY WITH CONTRACT DOCUMENTS, ADA, AND WASHINGTON STATE ACCESSIBILITY CODE.
3. INSTALL WATER HAMMER ARRESTORS ON HOT & COLD WATER PIPING OF EACH FIXTURE GROUP AND AT ALL FIXTURES W/QUICK ACTING VALVES. UNITS SHALL BE ZURN "SHOKTROLL" OR EQUAL. SELECT UNIT SIZE AND LOCATION PER MANUFACTURERS RECOMMENDATIONS AND IN ACCORD WITH PDI STANDARD WH-201. PROVIDE ACCESS PANELS AT ARRESTORS ABOVE GWB CEILINGS. ALL ACCESS PANELS AND DOORS SHALL BE ELMDOR FAB. STEEL SLK SERIES OR EQUAL WITH 14 GAUGE DOOR AND FRAME. PROVIDE WITH CYLINDER LOCK, CONTINUOUS PIANO HINGE AND PRIME COATED READY FOR PAINTING.
4. COLD WATER AND HOT WATER PIPING SHALL BE INSULATED AND ROUTED FULL SIZE WITH APPROPRIATE SIZE REDUCTION AT POINT OF CONNECTION TO FIXTURE. 1/2" WATER LINE LIMITED TO 10'-0" DISTANCE FROM FIXTURE. "DEAD-LEGS" OR "FUTURE" STUBS ON ACTIVE POTABLE WATER LINES SHALL BE LIMITED TO 4" TO PREVENT STAGNANT WATER CONDITIONS.
5. INSTALL WATER PIPING ON WARM SIDE OF BUILDING INSULATION. SEE SPEC. FOR INSULATION SYSTEMS. SEE DWGS. FOR ELEC. HEAT TRACE REQUIREMENTS. SEE PLUMBING DETAILS FOR PIPE HANGER STYLE. SEE SPEC. FOR HANGER SPACING.
6. WHEN CONNECTING TO EXISTING BURIED WASTE PIPING VERIFY PROPER FLOW CONDITIONS BEFORE COVERING. BURIED WASTE & VENT PIPING SHALL BE MIN. 2" DIA. & SLOPED 1/4"/FT., UNLESS OTHERWISE NOTED. PVC OR ABS PIPING SHALL BE USED ONLY IF APPROVED BY ADMINISTRATIVE AUTHORITY, SEE SPECIFICATIONS FOR FURTHER INFO.
7. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS EXCEPT IN SHOWER STALLS OR OTHERWISE NOTED ON DWGS. CONTRACTOR SHALL INSTALL ACCESS PANELS WHERE PRIMERS ARE CONCEALED IN WALLS.
8. COORDINATE VENT THROUGH ROOF (VTR) LOCATIONS WITH HVAC UNITS. MAINTAIN MIN. 10'-0" CLEARANCE. OFFSET VTR AS NECESSARY. COORDINATE PIPE ROUTING WITH HVAC AND SPRINKLER CONTRACTORS.
9. SITE WATER PRESSURE IS - PSI PER SEATTLE WATER DEPT.
10. RISER DIAGRAMS & PLANS DO NOT SHOW SOME PIPING OFFSETS REQUIRED FOR STRUCTURAL CLEARANCES. EXACT ROUTING MAY VARY FROM THAT INDICATED. ALL WASTE PIPING INCLUDING RISERS ON RESIDENTIAL LEVELS TO BE CAST IRON.
11. PROVIDE ELECTRIC HEAT TRACE UNDER PIPING INSULATION FOR ALL WATER PIPING INSTALLED IN UNHEATED GARAGE SPACES.
12. CONFIGURE PIPING FOR SUDS RELIEF AS REQUIRED BY THE UPC.
13. ALL LEVER CONTROLLED WATER CLOSETS TO BE INSTALLED WITH THE LEVER ON THE OPEN SIDE OF THE BATHROOM.

ENERGY CODE NOTES

1. SEE SCHEDULE FOR WATER HEATER EQUIPMENT TYPE, CAPACITY AND EFFICIENCY. MINIMUM EFFICIENCY SHALL MEET TABLE C404.2
2. PUBLIC LAVATORIES SHALL BE EQUIPPED WITH AN ASSE 1070 MIXING VALVE SET TO DELIVERY 110 F HOT WATER.
3. NONCIRCULATING HOT WATER SYSTEMS WITHOUT AN INTEGRAL HEAT TRAP SHALL BE PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING.
4. ELECTRIC WATER HEATERS IN UNCONDITIONED SPACES OR ON CONCRETE FLOORS SHALL BE PLACED ON INCOMPRESSIBLE R-10 INSULATION.
5. PROVIDE PIPE INSULATION PER ENERGY CODE SECTION C403.2.9 AND SPECIFICATION SECTION 22 07 00.
6. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, SUNLIGHT, MOISTURE AND WIND. PROVIDE JACKET AND ALUMINUM COVERS. ADHESIVE TAPE IS NOT PERMITTED.
7. ALL PIPE AND WRAP INSULATION SHALL BE LABELED WITH ITS THICKNESS AND INSULATING VALUE (R OR K).
8. THE MAXIMUM ALLOWABLE PIPING LENGTH FROM THE NEAREST SOURCE OF HOT WATER TO THE TERMINATION OF THE FIXTURE SUPPLY SHALL COMPLY WITH C404.3
9. CIRCULATING HOT WATER PUMPS OR HEAT TRACE SHALL BE EQUIPPED WITH AUTOMATIC TIMERS.

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	MBH	1000 BRITISH THERMAL UNITS PER HOUR
ADA	AMERICANS WITH DISABILITIES ACT	MED	MEDIUM
ADJ	ADJUSTABLE	MEP	MECHANICAL, ELECTRICAL, PLUMBING
AFF	ABOVE FINISHED FLOOR	MEZZ	MEZZANINE
AFG	ABOVE FINISHED GRADE	MIN	MINIMUM
ALT	ALTERNATE	MISC	MISCELLANEOUS
AP	ACCESS PANEL		
APPROX	APPROXIMATE	N/A	NOT APPLICABLE
ARCH	ARCHITECTURAL/ARCHITECT	NC	NORMALLY CLOSED
AS	AIR SEPARATOR	NEG	NEGATIVE
AUX	AUXILIARY	NIC	NOT IN CONTRACT
		NOM	NOMINAL
BFF	BELOW FINISHED FLOOR	NPC	NON-POTABLE COLD WATER
BFG	BELOW FINISHED GRADE	NPCW	NON POTABLE COLD WATER
BHP	BRAKE HORSE POWER	NPH	NON-POTABLE HOT WATER
BLDG	BUILDING	NPHR	NON-POTABLE HOT WATER RETURN
BOP	BOTTOM OF PIPE	NPT	NATIONAL PIPE THREAD
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE
BTUH	BRITISH THERMAL UNIT PER HOUR		
		OD	OUTSIDE DIAMTER/OVERLOW DRAIN
CA	COMBUSTION AIR	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CLG	CEILING	OFOI	OWNER FURNISHED OWNER INSTALLED
CMU	CONCRETE MASONRY UNIT	ORD	OVERFLOW ROOF DRAIN
CO	CLEANOUT	ORL	OVERFLOW RAINWATER LEADER
COND	CONDENSATE		
CW	COLD WATER	ΔP	PRESSURE DIFFERENTIAL
CX	CONNECT TO EXISTING		
		PD	PLANTER DRAIN; PRESSURE DROP
dB	DECIBEL	PERF	PERFORATED
DCVA	DOUBLE CHECK VALVE ASSEMBLY	PH	PHASE
DDCV	DOUBLE DETECTOR CHECK VALVE	PIV	POST INDICATOR VALVE
DDCVA	DOUBLE DETECTOR CHECK VAVLE ASSEMBLY	PLBG	PLUMBING
DF	DRINKING FOUNTAIN	PRESS	PRESSURE
DFU	DRAINAGE FIXTURE UNIT	PRV	PRESSURE REDUCING VALVE
DHW	DOMESTIC HOT WATER	PSF	POUNDS PER SQUARE FOOT
DHWC	DOMESTIC HOT WATER RECIRCULATION	PSI	POUNDS PER SQUARE INCH
Ø OR DIA	DIAMETER	PSIG	POUNDS PER INCH GAUGE
DN	DOWN		
DWG(S)	DRAWING(S)	QTY	QUANTITY
DWV	DRAIN, WASTE, VENT		
		RD	ROOF DRAIN
EA	EACH	REQD	REQUIRED
EEW	EMERGENCY EYEWASH	RL	RAIN WATER LEADER
EFF	EFFICIENCY	RM	ROOM
ELEV	ELEVATION	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
EQUIP	EQUIPMENT	RPM	REVOLUTIONS PER MINUTE
ES	EMERGENCY SHOWER	RLX	RELOCATE EXISTING
ET	EXPANSION TANK	RV	RELIEF VALVE
EX	EXISTING/EXISTING TO REMAIN	RX	REMOVE EXISTING
EXP	EXPANSION		
		S	SINK
FC	FAIL CLOSED	S	STORM
FCO	FLOOR CLEANOUT	SCFM	STANDARD CUBIC FEET PER MINUT
FD	FLOOR DRAIN	SD	STORM DRAIN
FDC	FIRE DEPARTMENT CONNECTION	SF	SQUARE FOOT
FF	FINISHED FLOOR	SFU	SUPPLY FIXTURE UNIT
FLA	FULL LOAD AMPS	SH	SHOWER
FM	FORCE MAIN	S.O.V.	SHUTOFF VALVE
FO	FAIL OPEN	SPEC	SPECIFICATION
FP	FIRE PROTECTION	S/S, OR SS	STAINLESS STEEL
FPM	FEET PER MINUTE	STD	STANDARD
FPS	FEET PER SECOND	SYM	SYMBOL
FS	FLOOR SINK		
FSZV	FIRE SPRINKLER ZONE VALVE ASSEMBLY	T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
FT	FEET/FOOT	TBD	TO BE DETERMINED
FTG	FOOTING	TD	TRENCH DRAIN
FV	FLUSH VALVE	TEMP	TEMPERATURE
		TOB	TOP OF BEAM
G	NATURAL GAS	TOC	TOP OF CONCRETE
GA	GAUGE	TOD	TOP OF DECK
GAL	GALLON	TOJ	TOP OF JOIST
G.C.	GENERAL CONTRACTOR	TOS	TOP OF SLAB/TOP OF STEEL
GCO	GRADE CLEANOUT	TP	TRAP PRIMER
GD	GARAGE DRAIN	T&P	TEMPERATURE & PRESSURE
GPF	GALLONS PER FLUSH	TYP	TYPICAL
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE	UL	UNDERWRITERS LABORATORY
GW	GREASE WASTE	UNO	UNLESS NOTED OTHERWISE
		UR	URINAL
H	HEIGHT		
HB	HOSE BIBB	V	VENT(S)
HBVB	HOSE BIBB VACUUM BREAKER	V	VOLT
HD	HEAD	VERT	VERTICAL
HP	HORSEPOWER	VFD	VARIABLE FREQUENCY DRIVE
HS	HAND SINK	VIB	VALVE-IN-BOX
HW	HOT WATER	VTR	VENT THROUGH ROOF
HX	HEAT EXCHANGER		
		W	WASTE/WATER
IE	INVERT ELEVATION	W/	WITH
IN	INCH/INCHES	W/IN	WITHIN
		W/O	WITHOUT
KW	KILOWATT/KILOWATTS	WC	WATER CLOSET
		WCO	WALL CLEANOUT
LAV	LAVATORY	WH	WATER HEATER
LBS	POUNDS	WPD	WATER PRESSURE DROP
LF	LINEAL FOOT	WT	WEIGHT
LTG	LIGHTING		
LWT	LEAVING WATER TEMPERATURE	YCO	YARD CLEANOUT

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

COVER SHEET

SHEET #

P00.01

PLUMBING FIXTURE SCHEDULE

MARK	ITEM	MFR: MODEL	DESCRIPTION
WC-1	WATER CLOSET (ADA)	TOTO: CST744SL	FLOOR MOUNT, TANK TYPE, 16 1/2" HIGH ELONGATED BOWL, VITREOUS CHINA, PRESS. FLUSH SYSTEM WITH 1.6 GALLON FLUSH, WHITE.
	SEAT	BEMIS: 1900	WHITE PLASTIC, CLOSED FRONT, WITH COVER.
LAV-1	LAVATORY	KOHLER: K-2007	21-1/4" X 18-1/8", WALL MOUNT, VIT. CHINA, SINGLE HOLE, WHITE, CONCEALED ARM CARRIER, ADA.
	FAUCET	SYMMONS: SLS-6710-0.5	5-3/8" SPOUT, AERATOR, SGL. LEVER HANDLE, SINGLE HOLE, CHROME PLATED, ADA, 0.5 GPM
	DRAIN		GRID TYPE. INSULATE DRAIN AND STOPS PER ADA REQUIREMENTS
	LAVATORY MIXING VALVE	SYMMONS: 7-210-CK	THERMOSTATIC MIXING VALVE, INTEGRAL CHECKS, 3/8" INLETS AND OUTLET, INSTALLED EXPOSED MOUNTED BELOW LAVATORIES. MUST COMPLY WITH ASSE 1070.
SH-1	SHOWER (TRANSFER ADA)	BESTBATH: LSS4038A5T	40"W X 38"D X 77-5/8"H, ADA ONE-PIECE SHOWER, ACRYLIC, WHITE, CENTER DRAIN. FULLY EQUIPPED WITH LH SEAT-ADA & L-SHAPED GRAB BAR. INSTALL PER ADA REQUIREMENTS.
	SHOWER HEAD	SYMMONS: T724	24" SLIDE BAR, ADA, 2.5 GPM HAND HELD SHOWER HEAD.
	SHOWER VALVE	SYMMONS: 4700-X	PRESSURE BALANCING MIXING VALVE, INTERGRAL STOPS, ADA.
	DRAIN		PERFORATED GRID STRAINER, CHROME.

NOTE: COODINATE FLOOR RECESS AS NEEDED TO PROVIDE ADA THRESHOLD HEIGHT. SHOWERS MODELS THAT INCLUDE A FLANGE AT FLOOR THRESHOLD TO BE INSTALLED TO CONCEAL FLANGE.

SH-2	SHOWER	AQUATIC: 1363BFSC	38"W X 38-1/4"D X 77"H, ONE-PIECE SHOWER, ACRYLIC, WHITE, CENTER DRAIN, SLIP RESISTANT.
	SHOWER HEAD	SYMMONS: S-96-1-231	SINGLE LEVER, PRESS. BALANCING MIXING VALVE WITH INTEGRAL VOLUME CONTROL, METAL LEVER HANDLE, CHROME BRASS ESCUTCHEON ON VALVE, ADJUSTABLE SHOWER HEAD, INTEGRAL SERVICE STOPS, CHROME PLATED 2.5 GPM (MODIFICATIONS X-L-B)
	SHOWER VALVE	SYMMONS:	
	DRAIN		PERFORATED GRID STRAINER, CHROME.

NOTE: COODINATE FLOOR RECESS AS NEEDED TO PROVIDE ADA THRESHOLD HEIGHT. SHOWERS MODELS THAT INCLUDE A FLANGE AT FLOOR THRESHOLD TO BE INSTALLED TO CONCEAL FLANGE.

MARK	ITEM	MFR: MODEL	DESCRIPTION
KS-1	KITCHEN SINK	ELKAY: ELUHAD211555PD	23-1/2"X18-1/4"X5-3/8" DEEP, SINGLE COMPARTMENT, #18 GAUGE STAINLESS STEEL, UNDERMOUNT, ADA.
	FAUCET	DANZE: D455258	22-3/4" PRE RINSE FAUCET, SINGLE LEVER, CHROME, 1.75 GPM. SINGLE HOLE.
	INSTA HOT FAUCET	INSINKERATOR H-WAVE-SS	INSTA HOT WATER DISPENSER FAUCET, 2/3 GALLON HOT WATER TANK (120 V PLUG IN CONNECTION).
	DRAIN		CRUMB CUP STRAINER, 1 1/2" TAILPIECE, STAINLESS STEEL.

NOTE: CONTRACTOR SHALL VERIFY CABINET DIMENSIONS BEFORE ORDERING SINK.

SS-1	SERVICE SINK	FIAT: MSB2424	24" X 24" X 12" DEEP, FLOOR MOUNT BASIN, PROVIDE WITH 889-CC MOP HANGER AND 832AA HOSE AND BRACKET.
	FAUCET	T&S BRASS B-0665-CR-BSTR	WALL MOUNT WITH BRACE, VACUUM BREAKER, BUCKET HOOK, 3/4" HOSE THREAD, INTEGRAL CHECKS VALVES.
LS-1	LAUNDRY SINK	ELKAY: ELGUAD2519PD	25" X 18-1/2" X 5-1/2"D, QUARTZ, WHITE, UNDERMOUNT, SINGLE COMPARTMENT, MIN CABINET SIZE 30", ADA
	FAUCET	CHICAGO: 786-ABCP	9" HIGH X 5" SWINGING GOOSENECK, 2.0 GPM, LEVER HANDLES. ADA.
	DRAIN		LKPDQ1CR PERFECT DRAIN
LB	LAUNDRY BOX	SIOUX CHIEF: 696-G2313	ABS OUTLET BOX 1/2" HW & 1/2" CW, WATER HAMMER ARRESTORS, 2" DRAIN.
SV	SERVICE VALVE	SIOUX CHIEF: 696-G1010	1/2" SERVICE STOP FOR SUPPLY WATER, WATER HAMMER ARRESTORS, OUTLET BOX, 11-1/2" X 7-1/4" BOX.
EW-1	EYE WASH FOUNTAIN	HAWS: 7460-BT	STAINLESS STEEL BOWL, WALL MOUNT, STAY-OPEN HAND VALVE FACE SPRAY RING, 1 1/4" DRAIN W/ TRAP & TRAP PRIMER
EMV-1	MIXING VALVE	HAWS: TWBS.EW	PRE-PACKAGED SYSTEM TO BLEND HOT AND COLD WATER FOR A SINGLE EYEWASH. PROVIDE MODEL TWBS.CAB CORROSION-RESISTANT LATCHING CABINET.

MARK	ITEM	MFR: MODEL	DESCRIPTION
WH-1	PROPANE WATER HEATER	AMERICAN: "POLARIS" PGC3-50-150-2PV	50 GAL. STORAGE, HIGH EFFICIENCY PROPANE WATER HEATER. 150 BTUH, 24V THERMOSTAT CONTROLS
DET	DOMESTIC EXPANSION TANK	AMTROL: ST-12C	STEEL CONST. W/INTERNAL DIAPHRAGM 11" DIA. X 15" HIGH, ASME RATED.
DCP	CIRC. PUMP	ARMSTRONG: ASTRO 225SSU	1 GPM @ 10 HEAD, 115 VOLT/1 PHASE, FLA 0.69, 83 WATTS, STAINLESS STEEL PUMP BODY.
MV	MASTER MIXING VALVE	HEAT TIMER: ETV PLATINUM PLUS	1" ELECTRONIC MIXING VALVE COMPLETE ASSEMBLY INCLUDING IMMERSION SENSORS, STAINLESS VALVE, ACTUATOR AND CONTROL MODULE (120V/1 PHASE). MOUNT CONTROL MODULE ON WALL AND PROVIDE SYSTEM WITH HOT, COLD, AND MIXED WATER SENSORS.
FD-1	FLOOR DRAIN	ZURN: Z-415-S	2" C.I. BODY, 5" SQ. ADJ. NICKEL BRONZE STRAINER, TRAP PRIMER TAPPING. PROVIDE TRAP PRIMERS FOR ALL INSTALLATIONS EXCEPT SHOWERS. **REFER TO FLOOR DRAIN DETAIL FOR DRAIN CONST./COVERING.**
FD-2	FLOOR DRAIN W/FUNNEL	ZURN: Z-415-S	2" C.I. BODY, 7" SQ. ADJ. NICKEL BRONZE STRAINER, TRAP PRIMER TAPPING. PROVIDE TRAP PRIMERS FOR ALL INSTALLATIONS EXCEPT SHOWERS. PROVIDE WITH ZURN Z329-7 FUNNEL. **REFER TO FLOOR DRAIN DETAIL FOR DRAIN CONST./COVERING.**

BACKFLOW DEVICE SCHEDULE

MARK	MAKE	MODEL	SIZE	NOTES
RPBA	WATTS	LF919	1-1/4"	LEAD FREE

PLUMBING FIXTURE CONNECTION SCHEDULE

		PIPE SIZE				WATER FIXTURE	WASTE FIXTURE	
MARK	FIXTURE	C.W.	H.W.	WASTE	VENT	UNITS	UNITS	REMARKS
WC-1	WATER CLOSET	3/4"	-	3"	2"	2.5	3	TANK, ADA
LAV-1	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	1	1	WALL MOUNT, ADA
SH-1	SHOWER	1/2"	1/2"	2"	1-1/2"	2	2	ONE PIECE, FLOOR RECESSED, ADA
SH-2	SHOWER	1/2"	1/2"	2"	1-1/2"	2	2	ONE PIECE, FLOOR RECESSED
KS-1	KITCHEN SINK	1/2"	1/2"	1-1/2"	1-1/2"	1.5	2	UNDERMOUNT, ADA
SV-1	SERVICE VALVE	1/2"	-	-	-	1	-	
SS-1	SERVICE SINK	1/2"	1/2"	3"	2"	3	3	FLOOR MOUNT
LS-2	LAUNDRY SINK	1/2"	1/2"	3"	2"	3	3	UNDERMOUNT, ADA
EW-1	EMERGENCY EYEWASH	1/2"	1/2"	2"	2"	1	-	FOUNTAIN, WALL MOUNT
LB-1	LAUNDRY BOX	3/4"	3/4"	2"	2"	4	3	
HB-1	HOSE BIBB	3/4"	-	-	-	2.5	-	EXISTING
FD-1	FLOOR DRAIN	-	-	2"	2"	-	2	
FD-2	FLOOR DRAIN	-	-	2"	2"	-	2	WITH FUNNEL

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

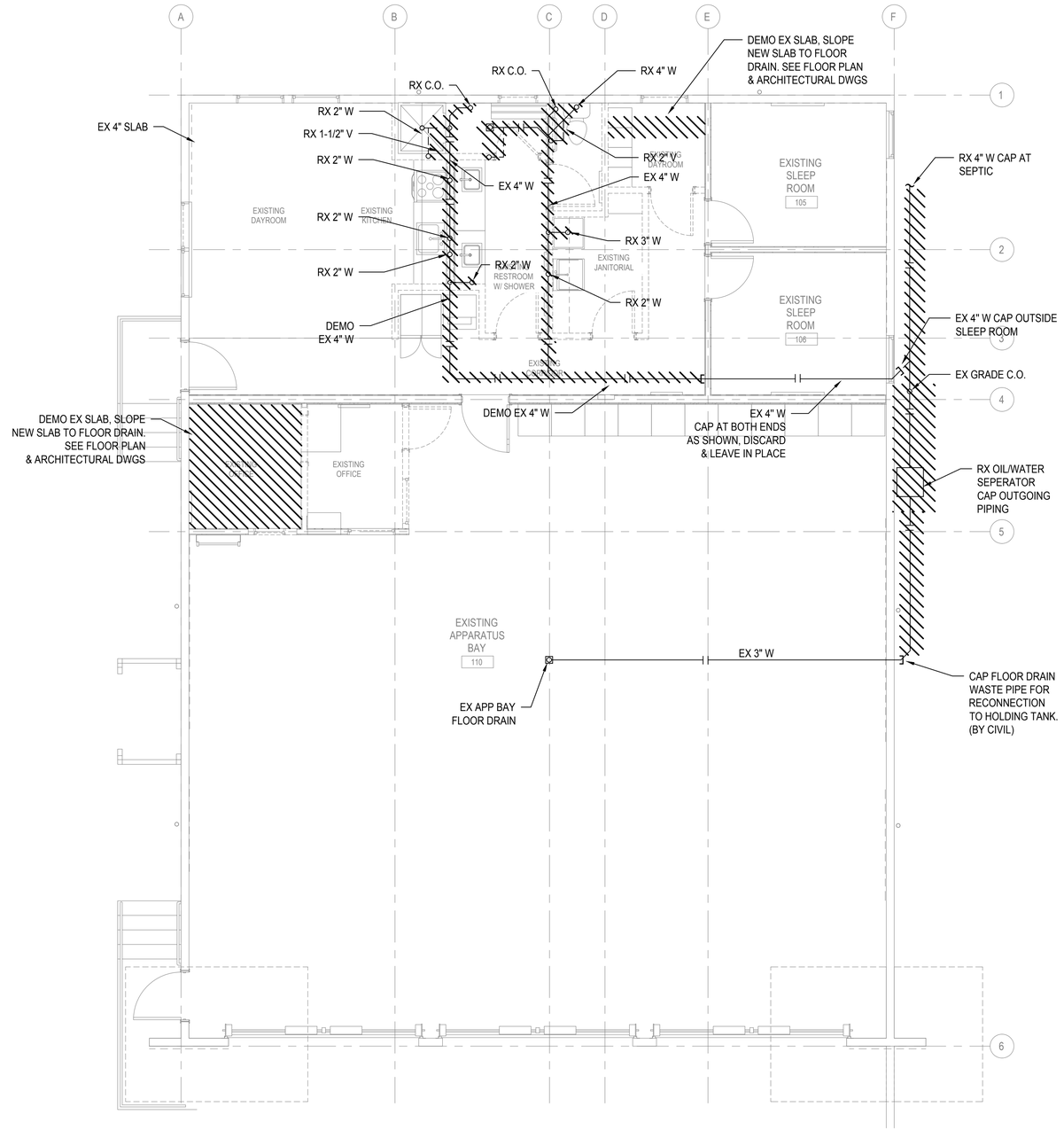
REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

SCHEDULES

SHEET #

P00.02



DEMOLITION FOUNDATION PLAN

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

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS

192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATE OF WASHINGTON
SHANE A. JEFFERSON
47106
REGISTERED
PROFESSIONAL ENGINEER
FOR JEFFERSON COUNTY

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE

13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

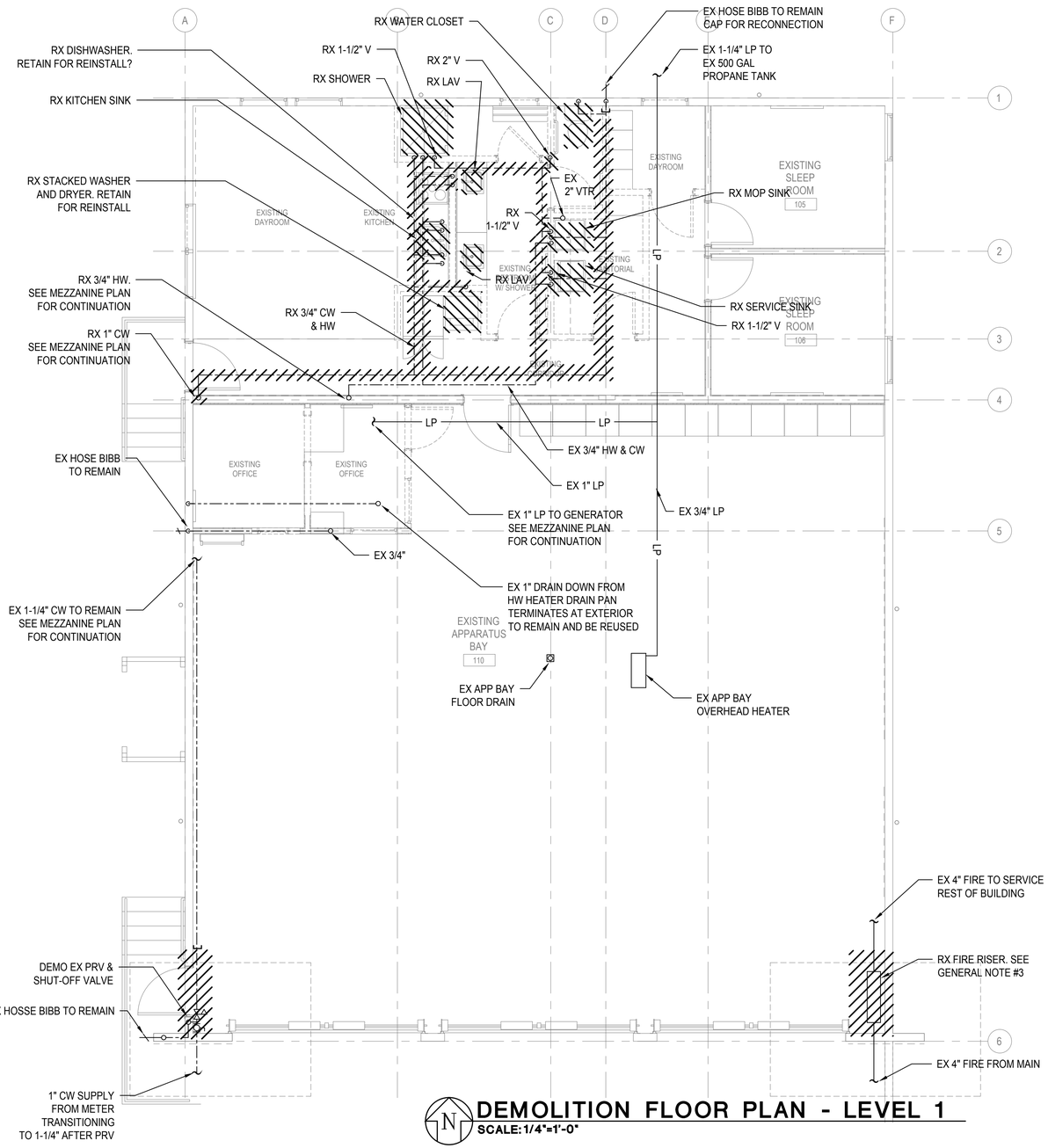
REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

FOUNDATION PLAN - DEMO PLAN

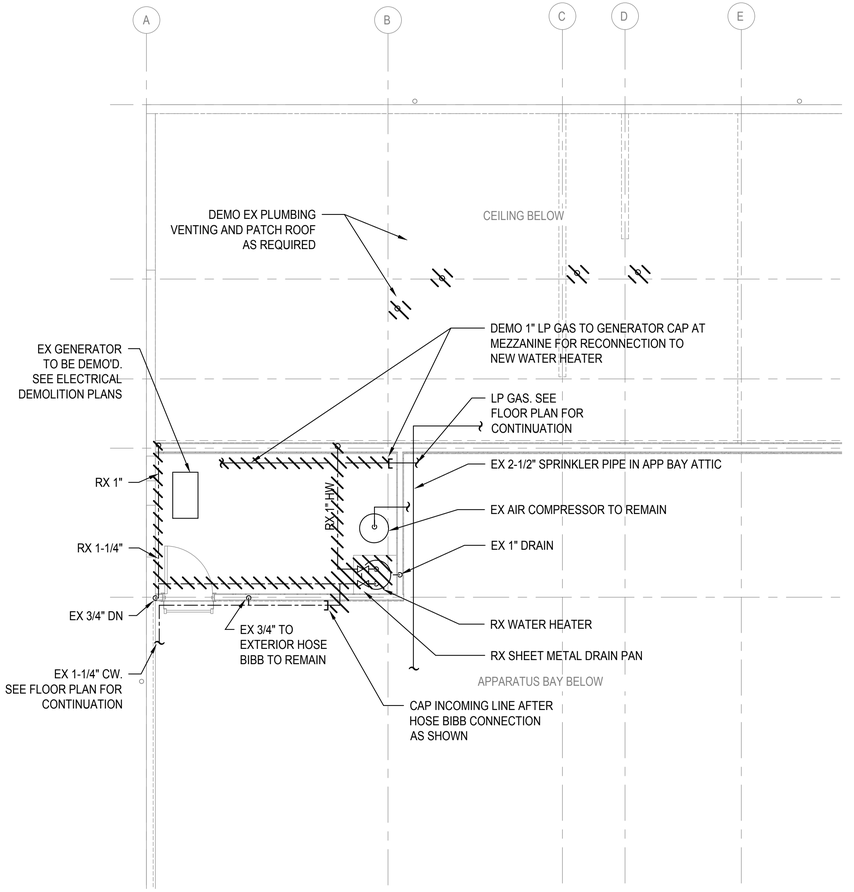
SHEET #

P20.00



DEMOLITION FLOOR PLAN - LEVEL 1

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



DEMOLITION MEZZANINE PLAN

1 / P20.01

1/4"=1'-0"

GENERAL NOTES:

1. DEMO AND REPLACE ALL SERVICE CW & HW PIPING.
2. INCOMING DOMESTIC WATER SERVICE TO BUILDING TO BE DEMO'D AND REPLACED TO MAKE WAY FOR STRUCTURAL FOOTING UPGRADES.
3. FIRE RISERS TO BE REMOVED AND REINSTALLED TO MAKE WAY FOR STRUCTURAL FOOTING UPGRADES.

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATE OF WASHINGTON SHANE M. JEFFERSON 47106 REGISTERED PROFESSIONAL ENGINEER

STATION 83

SNOHOMISH REGIONAL FIRE & RESCUE

13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

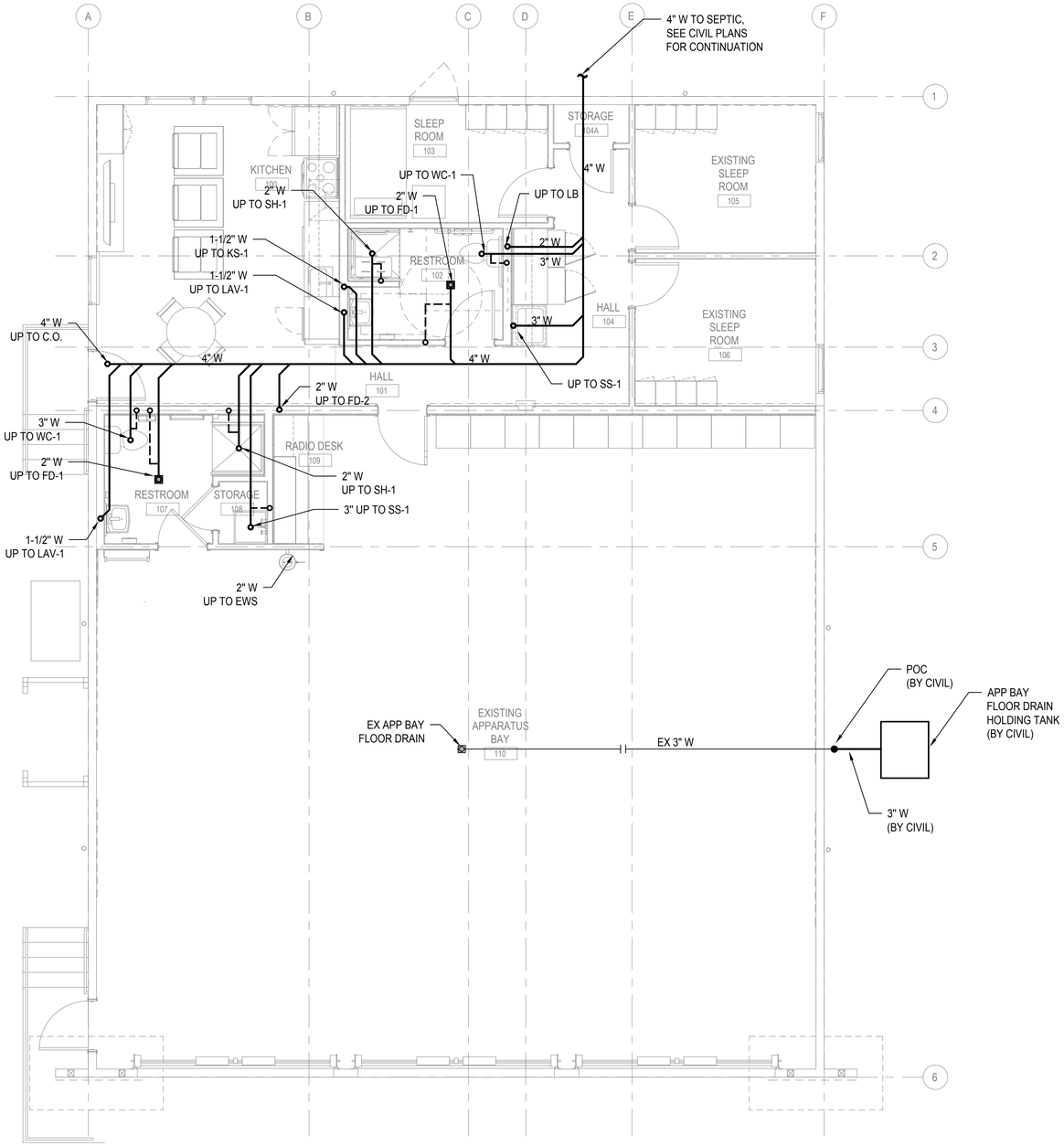
REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

LEVEL 1 - DEMO PLAN

SHEET #

P20.01



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

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS

192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

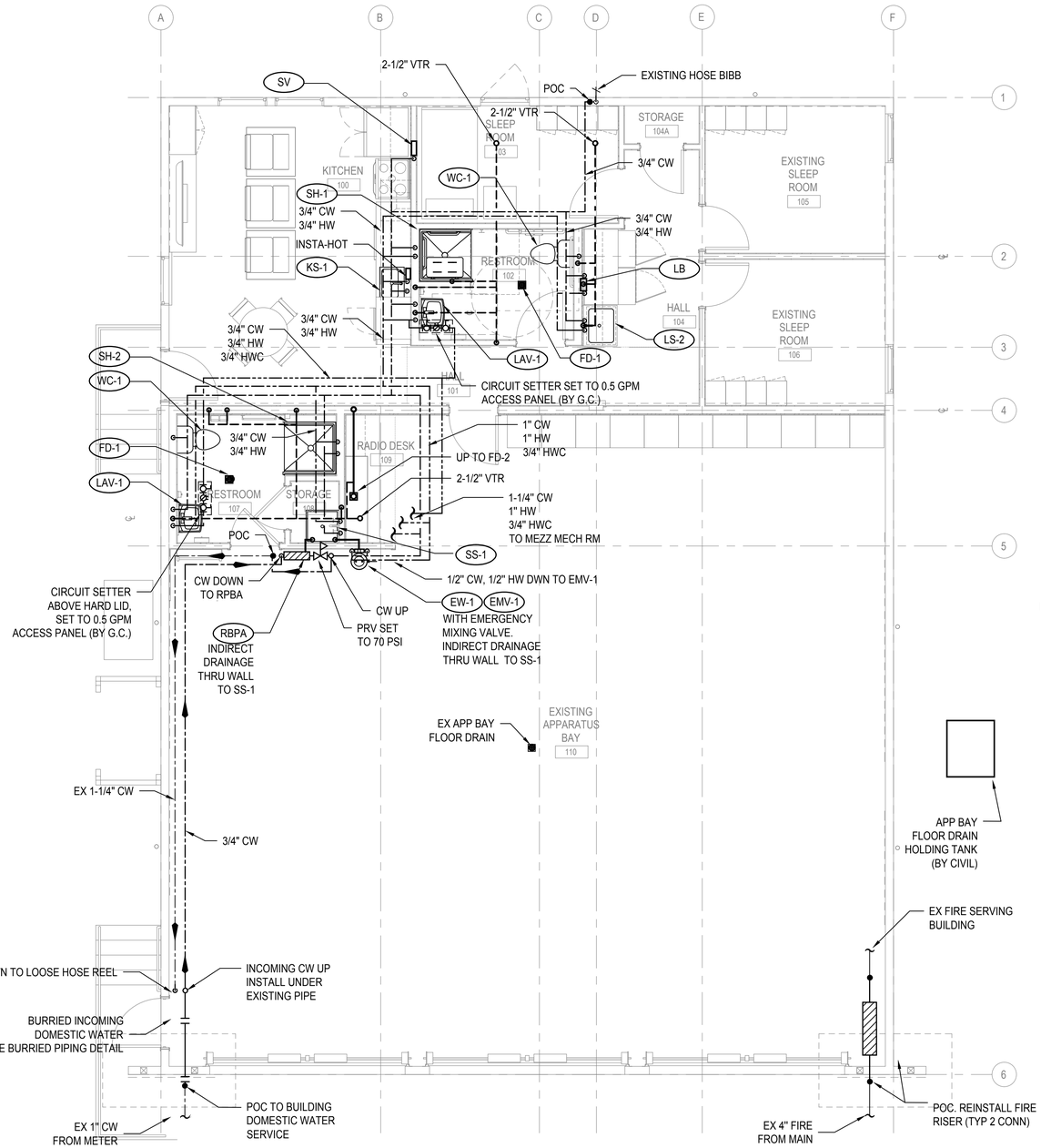
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

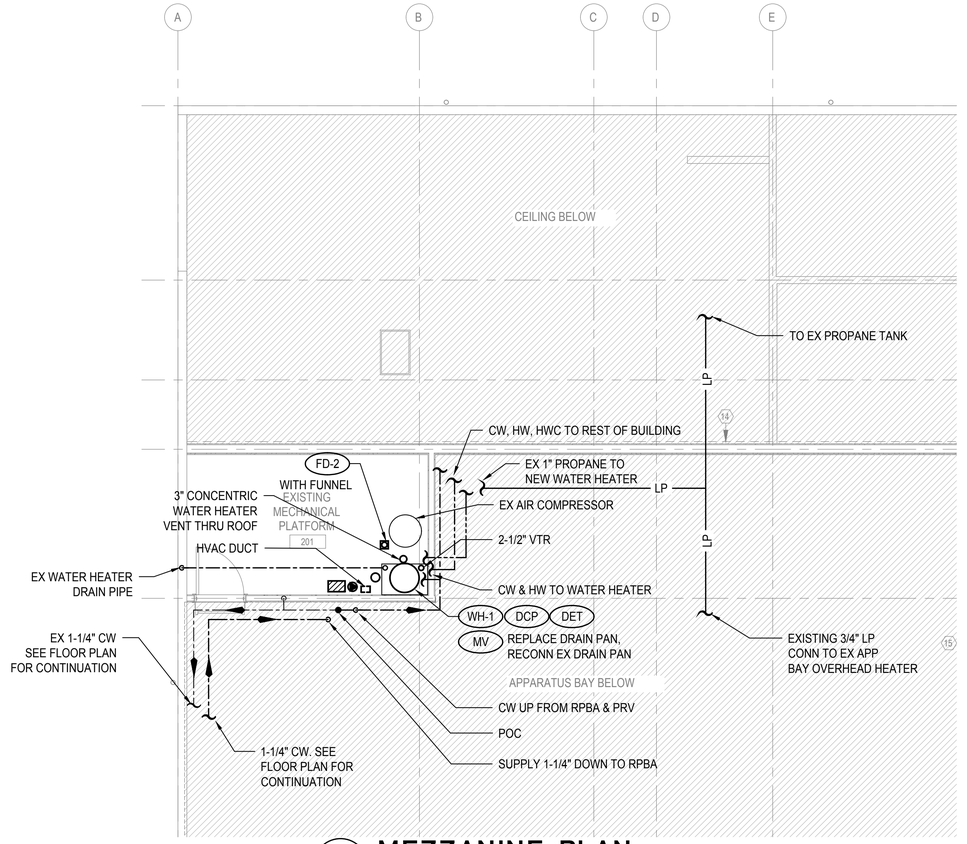
AHJ APPROVAL STAMP

FOUNDATION PLAN

SHEET #
P21.00



FLOOR PLAN - LEVEL 1
SCALE: 1/4"=1'-0"



1 P21.01 MEZZANINE PLAN
1/4"=1'-0"

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

SHANE JEFFERSON
STATE OF WASHINGTON
47106
REGISTERED
PROFESSIONAL ENGINEER
FOR INFORMATION ONLY

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036
BID SET
ISSUE DATE JUNE 12, 2023

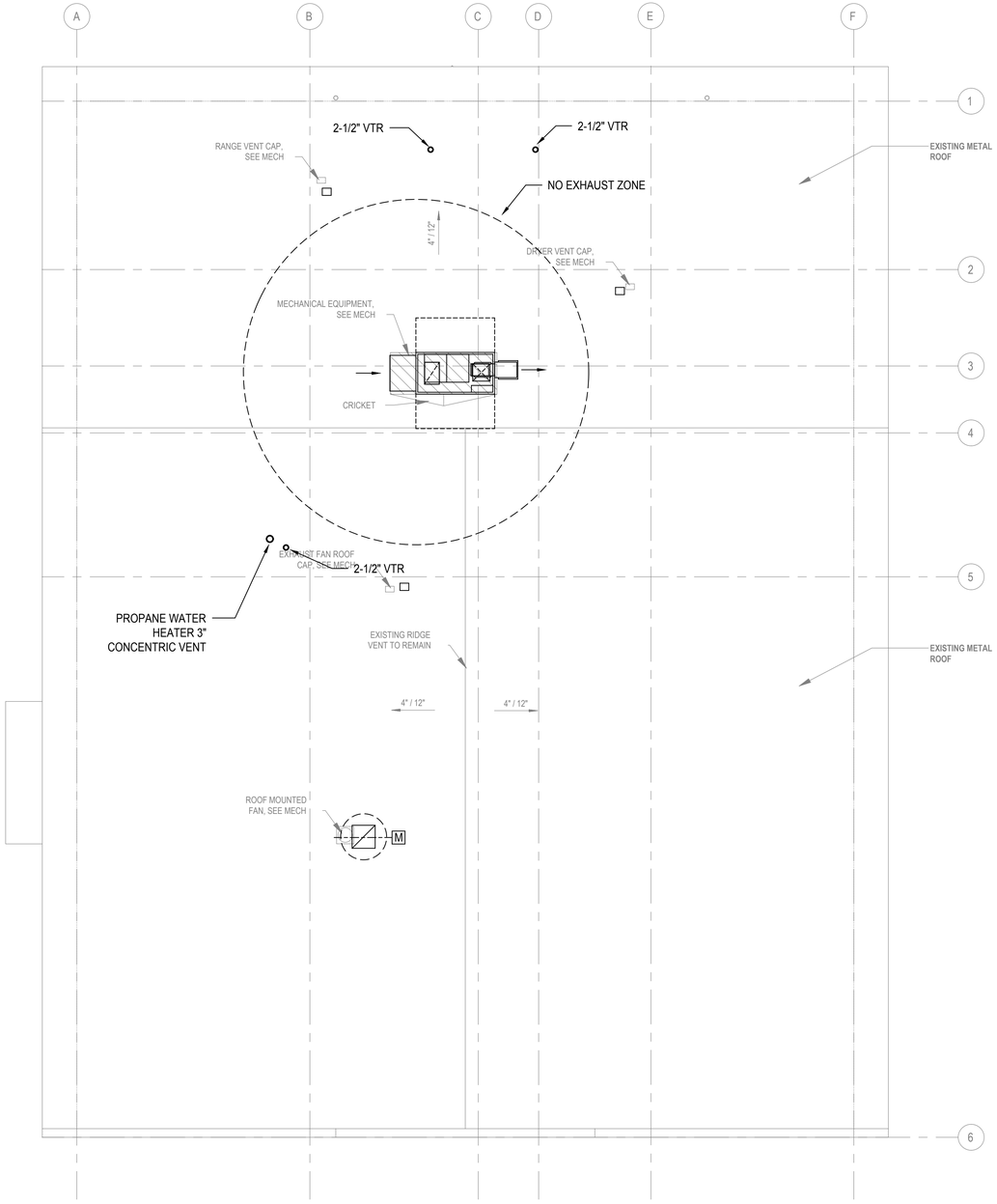
REVISION SCHEDULE

1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

FLOOR PLAN - LEVEL 1

SHEET #
P21.01



N

ROOF PLAN

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

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS

192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83

SNOHOMISH REGIONAL FIRE & RESCUE

13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

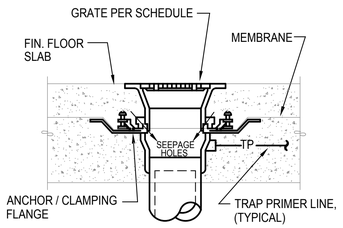
REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

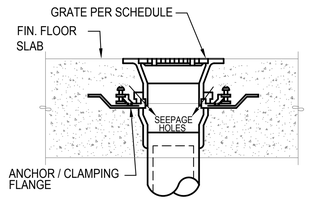
ROOF PLAN

SHEET #

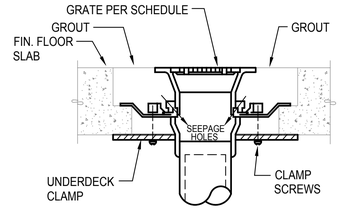
P21.02



A **CONCRETE INSTALLATION W/ MEMBRANE**



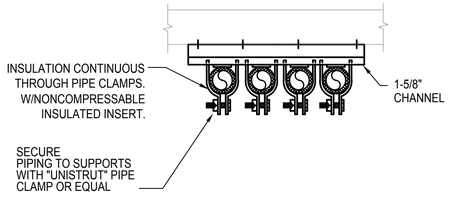
B **CONCRETE INSTALLATION WO/ MEMBRANE**



C **CONCRETE INSTALLATION W/ CLAMPING RING**

NOTES:
1. VERIFY FLOORING CONSTRUCTION BEFORE ORDERING DRAINS.
2. FLOOR DRAINS SHALL BE FLUSH TO 1/4' BELOW FIN. FLOOR. FLOOR SINKS SHALL BE 1/2" ABOVE TO 1/4" BELOW FIN. FLOOR VERIFY W/ LOCAL PLUMBING INSPECTOR.

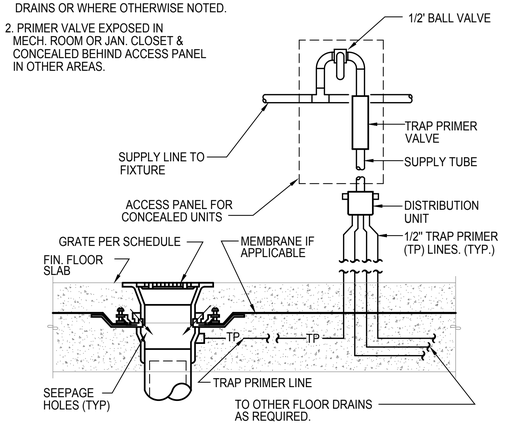
3 FLOOR DRAIN / SINK INSTALLATION STYLES
P31.01 N.T.S.



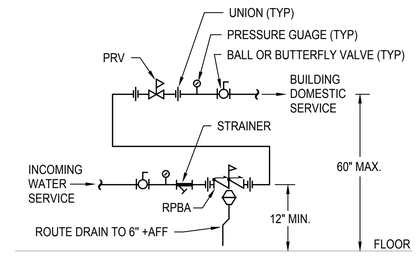
NOTE: QUANTITY OF PIPES SHOWN REPRESENTATIVE ONLY, PROVIDE QUANTITY OF PIPES REQUIRED.

2 PIPE SUPPORT
P31.01 N.T.S.

NOTES:
1. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS & FLOOR SINKS EXCEPT SHOWER DRAINS OR WHERE OTHERWISE NOTED.
2. PRIMER VALVE EXPOSED IN MECH. ROOM OR JAN. CLOSET & CONCEALED BEHIND ACCESS PANEL IN OTHER AREAS.



1 TRAP PRIMER DETAIL
P31.01 N.T.S.



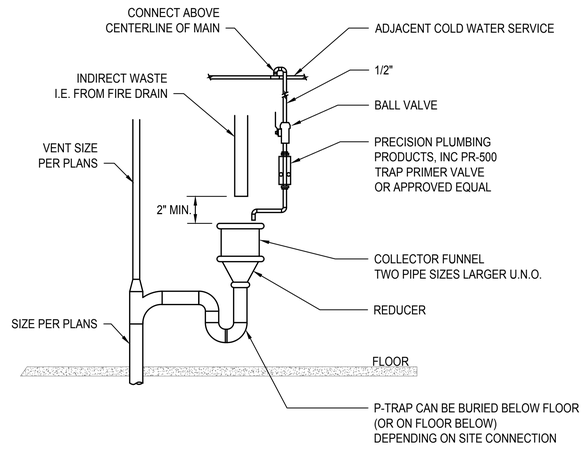
NOTES:
1. SECURE BACKFLOW PREVENTION DEVICES TO WALL AND PROVIDE REQUIRED CLEARANCE
2. MOUNT RPBA'S AT A HEIGHT THAT ALLOWS THEIR DRAINS TO BE ROUTED TO DRAIN.

WATER SERVICE SCHEDULE

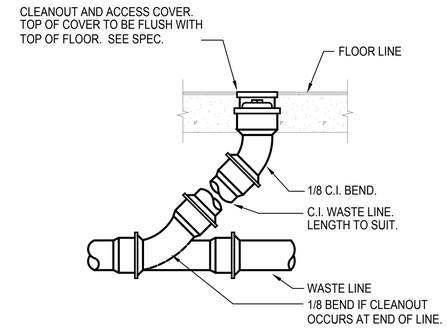
MARK	MAKE	MODEL	SIZE		PRESSURE SETTING	NOTES
PRV #1	WATTS	XXX	1-1/4"		80 PSI	
RPBP #1	WATTS	LF919	1-1/4"		N/A	

NOTES:

6 INCOMING WATER SERVICE DETAIL
P31.01 N.T.S.



5 HUB DRAIN DETAIL
P31.01 N.T.S.



NOTE:
FOR GRADE CLEANOUTS (GCO) IN VEHICULAR TRAFFIC AREAS, PROVIDE ACCESS HOUSING EQUAL TO WADE # 8300 MF-39.

4 FLOOR CLEANOUT DETAIL
P31.01 N.T.S.

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

JOHN SHAFFER — STATE OF WASHINGTON — 47106 — REGISTERED PROFESSIONAL ENGINEER
FOR JEFFERSON COUNTY

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

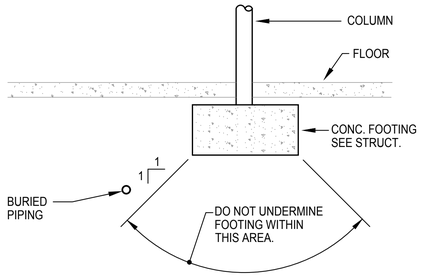
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

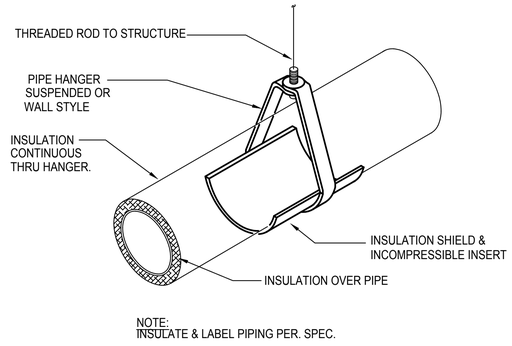
AHJ APPROVAL STAMP

DETAILS

SHEET #
P31.01

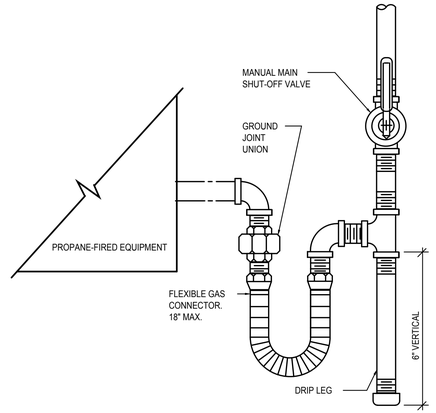


3 BURIED PIPING DETAIL
P31.02 N.T.S.

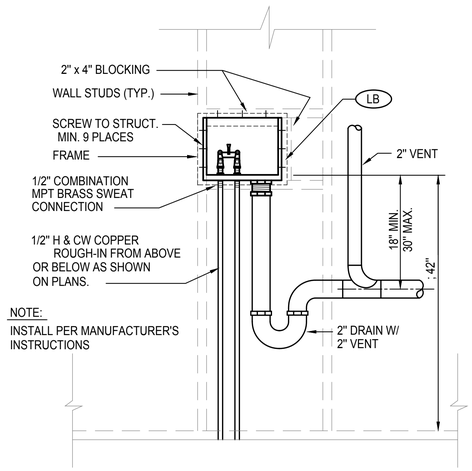


NOTE:
INSULATE & LABEL PIPING PER. SPEC.

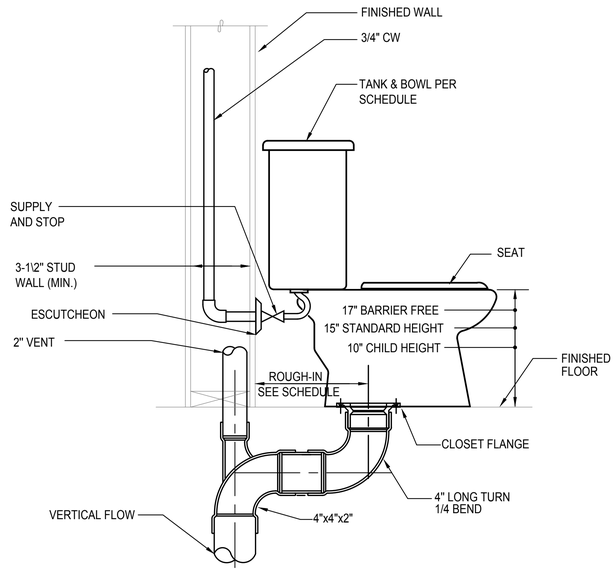
2 PIPE HANGER DETAIL
P31.02 N.T.S.



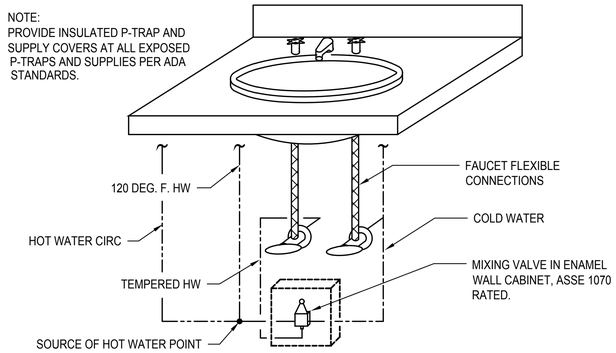
1 LP LINE CONNECTION DETAIL
P31.02 N.T.S.



6 LAUNDRY BOX DETAIL
P31.02 N.T.S.



3 TANK WATER CLOSET DETAIL
P31.02 N.T.S.



NOTE:

1. LOCATE MIXING VALVE AS CLOSE AS POSSIBLE TO FIXTURE HW STOP.
2. FOR MULTIPLE LAVATORY INSTALLATION, SUPPLY HW AT FIRST FIXTURE, PIPE IN SERIES AND RECIRC FROM LAST FIXTURE.

PUBLIC LAVATORY WATER CONNECTION DETAIL
4 P31.02 N.T.S.

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATE OF WASHINGTON 47106 REGISTERED PROFESSIONAL ENGINEER
FOR REFERENCE ONLY

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

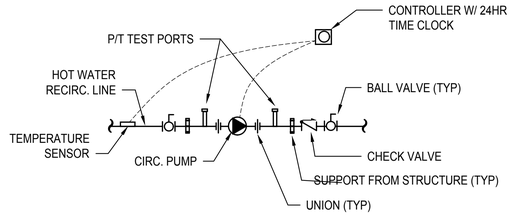
PROJECT #	20036
BID SET	
ISSUE DATE	JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

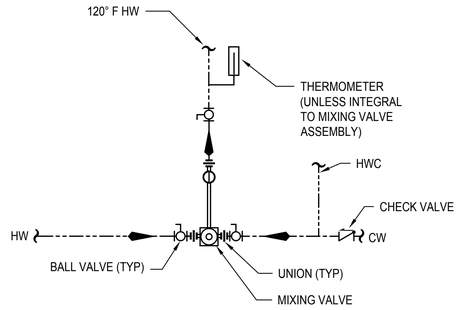
AHJ APPROVAL STAMP

DETAILS

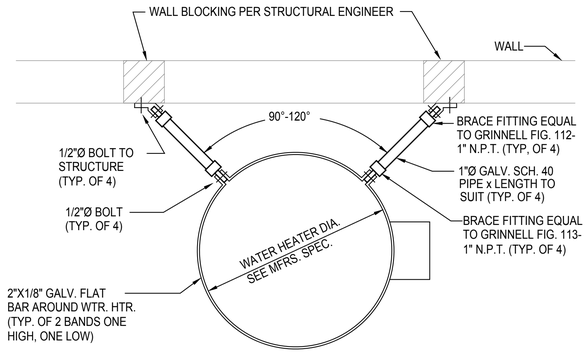
SHEET #
P31.02



2 DOMESTIC CIRC. PUMP DETAIL
P31.03 N.T.S.

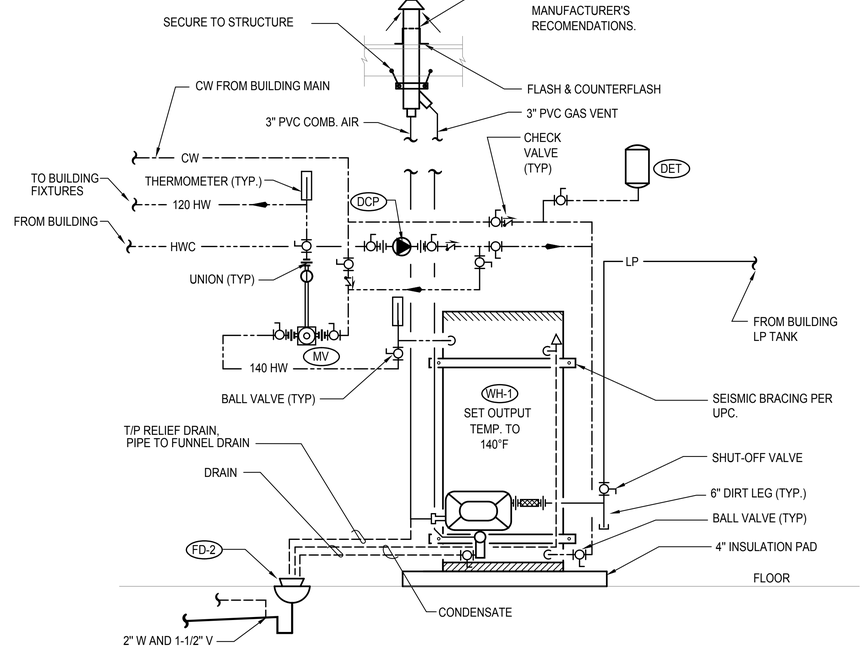


1 MASTER MIXING VALVE DETAIL
P31.03 N.T.S.



NOTE: VERIFY SIZING FOR SPECIFIC APPLICATION W/ STRUCTURAL ENGINEER.

4 WATER HEATER/ STORAGE TANK SEISMIC BRACING
P31.03 N.T.S.



3 WATER HEATER DETAIL
P31.03 N.T.S.

DATE/ TIME PRINTED:

RICEfergusMILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT #	20036
BID SET	
ISSUE DATE	JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

DETAILS

SHEET #
P31.03

ELECTRICAL SYMBOLS LEGEND

REFERENCE SYMBOLS

- E-1 — DETAIL NUMBER / SHEET
- FLAG NOTE
- 1 — REVISION TAG
- AHU-1 — MECHANICAL EQUIPMENT
- XX kA — FAULT CURRENT TAG

FIRE ALARM SYMBOLS

- OR — COMBINATION SMOKE/FIRE DAMPER
- FACP — FIRE ALARM CONTROL PANEL
- FARA — FIRE ALARM REMOTE ANUNCIATOR
- FIRE ALARM STROBE LIGHT
- SD — FIRE ALARM SMOKE DETECTOR
- SCD — FIRE ALARM COMBINATION SMOKE DETECTOR / CARBON MONOXIDE ALARM

WIRING SYMBOLS

- BREAK (CONTINUATION)
- CAP
- STUB DOWN
- STUB UP
- CONDUIT / CABLING CONCEALED IN CEILING OR WALL
- CONDUIT / CABLING CONCEALED UNDERGROUND OR IN CEILING SPACE OF LEVEL BELOW
- G — GROUNDING CONDUCTOR(S) PER CODE
- FLEXIBLE CONDUIT

LUMINAIRE SYMBOLS

- EM — EM — SHADING AND/ OR "EM" INDICATES EMERGENCY EGRESS LUMINAIRES
- FL1 / 3a — FL1 / 3-Z1.2 — TYPICAL LUMINAIRE ANNOTATIONS:

FL1 = LUMINAIRE TYPE
3 = CIRCUIT NUMBER
c = SWITCH LEG
Z1.2 = CONTROL ZONE

POWER SYSTEMS SYMBOLS

- PANELBOARD: SURFACE, FLUSH MOUNTED. DASHED LINE = CLEARANCE (TYPICAL)
- ELECTRICAL DISTRIBUTION EQUIPMENT. SEE PLANS FOR TYPE, DIMENSIONS, NAME, ETC. DASHED LINE = CLEARANCE (TYPICAL)
- CONNECTION TO EQUIPMENT BY OTHERS
- CONNECTION TO MOTOR
- DISCONNECT SWITCH, FUSED
- DISCONNECT SWITCH
- VFD — VARIABLE FREQUENCY DRIVE
- EMERGENCY POWER OFF BUTTON
- GROUND BAR
- GROUND ROD
- JUNCTION BOX: WALL, FLOOR AND CEILING MTD
- RECEPTACLE, DUPLEX: WALL, FLOOR AND CLG MTD; PARALLEL SHADED = HALF-SWITCHED
- RECEPTACLE, DUPLEX: WALL MTD ABOVE BACKSPLASH, GFCI-TYPE
- RECEPTACLE, DOUBLE DUPLEX: WALL, FLOOR AND CLG MTD; PARALLEL SHADED = HALF-SWITCHED
- RECEPTACLE, DOUBLE DUPLEX: WALL MTD ABOVE BACKSPLASH, GFCI-TYPE
- RECEPTACLE, SIMPLEX: WALL, FLOOR AND CLG MTD
- RECEPTACLE, SIMPLEX: WALL MTD ABOVE BACKSPLASH, GFCI-TYPE
- SPECIALTY RECEPTACLE: WALL, FLOOR AND CLG MTD. NEMA TYPE AS INDICATED ON PLANS.

TYPICAL DEVICE ANNOTATIONS:

- 702 — ON ALTERNATE POWER: 700, 701 AND 702 SYSTEMS PER NEC
- WP — WEATHERPROOF
- GFI — GFCI TYPE
- C — FULLY CONTROLLED (NOT HALF-SWITCHED)

LOW VOLTAGE SYSTEMS SYMBOLS

- PUSHBUTTON. WALL-MOUNTED.
- JUNCTION BOX: WALL, FLOOR AND CEILING MTD
- COMBINATION RF COAX / PHONE OUTLET WALL, FLOOR AND CEILING MTD
- COMBINATION DATA / PHONE OUTLET WALL, FLOOR AND CEILING MTD
- DATA OUTLET WALL, FLOOR AND CEILING MTD
- PHONE OUTLET WALL, FLOOR AND CEILING MTD
- TV — RF COAX CABLE OUTLET WALL, FLOOR AND CEILING MTD
- CR — CARD / FOB READER WALL/ MULLION AND BOLLARD MTD
- DS — SECURITY DOOR POSITION MONITOR
- ES — ELECTRIC STRIKE
- KP — KEYPAD WALL/ MULLION AND BOLLARD MTD
- WP — CCTV CAMERA LOCATION. WP = WEATHERPROOF F = FUTURE LOCATION; PREWIRE ONLY INTERIOR LOCATIONS; PREWIRE, BOX AND CONDUIT AT EXTERIOR LOCATIONS.
- SP — SPEAKER, CEILING MOUNTED

CONTROL SYMBOLS

- M — MOTORIZED CONTROL DAMPER
- T — THERMOSTAT
- $^{2PDX}_{ab,c} — WALL SWITCH / LOW VOLTAGE WALL STATION. SUPERSCRIPT INDICATES SWITCH TYPE (BELOW). SUBSCRIPT INDICATES SWITCHLEGS / RELAYS CONTROLLED; FOR MULTI-POLE WALL STATIONS, CONTROL FOR EACH POLE SEPARATED BY COMMA (I.E. SWITCHLEGS a AND b CONTROLLED BY ONE POLE, c ANOTHER).
- $^{WP} — WEATHERPROOF, TYPICAL
- $ — WALL SWITCH, LINE VOLTAGE, 1-POLE
- $^{3} — WALL SWITCH, LINE VOLTAGE, 3-WAY
- $^{TS} — WALL SWITCH, LINE VOLTAGE, TIMER SWITCH
- $^{1P} — LOW VOLTAGE WALL STATION, 1-POLE, ON/OFF
- $^{DX} — LOW VOLTAGE WALL STATION, 1-POLE, ON/OFF AND RAISE/LOWER
- $^{2P} — LOW VOLTAGE WALL STATION, 2-POLE, ON/OFF
- $^{2PDX} — LOW VOLTAGE WALL STATION, 2-POLE, ON/OFF AND RAISE/LOWER
- OS — COMBINATION OCCUPANCY SENSOR SWITCH, WALL-MOUNTED
- OS OS — OCCUPANCY SENSOR: WALL, CLG MTD
- PC — PHOTO CELL, CLG MTD
- OP OP — COMBINATION PHOTO CELL / OCCUPANCY SENSOR: WALL, CLG MTD

RISER DIAGRAM SYMBOLS

- 100AT GFP / 50AT — CIRCUIT BREAKER, ENCLOSED CIRCUIT BREAKER AT = TRIP AMPACITY GFP = GROUND FAULT PROTECTION PER CODE
- 100AF — FUSED SWITCH. AF= FUSE RATING
- SWITCH
- CONTACTOR/ RELAY - NORMALLY CLOSED
- CONTACTOR/ RELAY - NORMALLY OPEN
- C — CONTACTOR COIL
- POTENTIAL TRANSFORMER. GROUND PER CODE.
- CURRENT TRANSFORMER
- DM — DIGITAL METER
- M M — UTILITY METER SOCKET WITH METER; PER UTILITY REQUIREMENTS; REMOTE MOUNTED.
- CONNECTION TO GROUND
- GROUND BAR
- PIPE GROUND PER CODE
- UFER GROUND PER CODE

CODES

2020 NATIONAL ELECTRICAL CODE WITH STATE AND LOCAL AMENDMENTS
2018 WASHINGTON STATE ENERGY CODE WITH LOCAL AMENDMENTS
2018 INTERNATIONAL BUILDING CODE WITH STATE AND LOCAL AMENDMENTS
2018 INTERNATIONAL FIRE CODE WITH STATE AND LOCAL AMENDMENTS
2018 INTERNATIONAL MECHANICAL CODE WITH STATE AND LOCAL AMENDMENTS
2018 UNIFORM PLUMBING CODE WITH STATE AND LOCAL AMENDMENTS
AMERICANS WITH DISABILITIES ACT (ADA)

DRAWING LIST

ABBREVIATIONS

A, AMP	AMPERES	LBS	POUNDS
AB	ABOVE BACKSPLASH	LCP	LIGHTING CONTROL PANEL
AC	ALTERNATING CURRENT	LCZ	LIGHTING CONTROL ZONE
ACT	ACOUSTICAL CEILING TILE	LF	LINEAL FOOT
ADA	AMERICANS WITH DISABILITIES ACT	LRA	LOCKED ROTOR AMPS
ADJ	ADJUSTABLE	LTG	LIGHTING
AF	AMPERE RATING OF FUSE OR CB FRAME		
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AFG	ABOVE FINISHED GRADE	MCA	MINIMUM CIRCUIT AMPACITY
AIC	AMPERE INTERRUPTING CAPACITY, AMPERE INTERRUPTING RATING	MED	MEDIUM
		MEP	MECHANICAL, ELECTRICAL & PLUMBING
AL	ALUMINUM (ALLOY)		
ALT	ALTERNATE		& PLUMBING
APPROX	APPROXIMATE	MEZZ	MEZZANINE
ARCH	ARCHITECTURAL/ARCHITECT	MIN	MINIMUM OR MINUTE
AS	AMPERE RATING OF SWITCH	MISC	MISCELLANEOUS
AT	CB TRIP SETTING (AMPS)	MLO	MAIN LUGS ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MNT	MOUNTED
AUTO	AUTOMATIC	MOCP	MAXIMUM OVERCURRENT PROTECTION
AUX	AUXILIARY	MW	MICROWAVE
AWG	AMERICAN WIRE GAUGE	N/A	NOT APPLICABLE
		N	NEUTRAL
BFF	BELOW FINISHED FLOOR	NC	NORMALLY CLOSED
BHP	BRAKE HORSE POWER	NEC	NATIONAL ELECTRICAL CODE
BLDG	BUILDING	-, NEG	NEGATIVE
		NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
C	CONDUIT		
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NL	NIGHT LIGHT (UNSWITCHED)
CKT	CIRCUIT	NO	NORMALLY OPEN
CLG	CEILING	NOM	NOMINAL
CO	CARBON MONOXIDE	NPT	NATIONAL PIPE THREAD
CO2	CARBON DIOXIDE	NTS	NOT TO SCALE
CONN	CONNECTED		
CT	CURRENT TRANSFORMER	OC	ON CENTER
CU	COPPER	OCC	OCCUPANCY
		OD	OUTSIDE DIAMETER
dB	DECIBEL	OS	OCCUPANCY SENSOR
DC	DIRECT CURRENT		
° OR DEG.	DEGREE	P	POLE
DIA	DIAMETER	PC	PHOTOCELL
DISC	DISCONNECT	PERF	PERFORATED
DIST	DISTRIBUTION	Φ OR PH	PHASE
DIV	DIVISION	PNL	PANELBOARD
DN	DOWN	POC	POINT OF CONNECTION
DP	DISTRIBUTION PANEL	PSF	POUNDS PER SQUARE FOOT
DWG(S)	DRAWING(S)	PSI	POUNDS PER SQUARE INCH
DZ	DAYLIGHT CONTROL ZONE (LIGHTING)		
		QTY	QUANTITY
EA	EACH		
EM	EMERGENCY (700 SYSTEM)	REQ	REQUIRED
EMT	ELECTRICAL METALLIC TUBING	RLX	RELOCATE EXISTING
EF	EXHAUST FAN	RM	ROOM
EQUIP, EQPT	EQUIPMENT	RMC	RIGID METALLIC CONDUIT
EWC	ELECTRIC WATER COOLER	RNC	RIGID NON-METALLIC CONDUIT (PVC)
EWH	ELECTRIC WATER HEATER	RPM	REVOLUTIONS PER MINUTE
EX	EXISTING/EXISTING TO REMAIN	RTU	ROOF TOP UNIT
FA	FIRE ALARM	RV	RELIEF VALVE
FACP	FIRE ALARM CONTROL PANEL	RX	REMOVE EXISTING
FARA	FIRE ALARM REMOTE ANUNCIATOR		
FC	FOOTCANDLES	SA	SUPPLY AIR
FF	FINISHED FLOOR	SD	SMOKE DETECTOR
FLA	FULL LOAD AMPS	SF	SQUARE FOOT
FLEX	FLEXIBLE	SPD	SURGE PROTECTION DEVICE
FP	FIRE PROTECTION	SPEC	SPECIFICATION
FPM	FEET PER MINUTE	S/S, OR SS	STAINLESS STEEL
FPS	FEET PER SECOND	STD	STANDARD
FSD	FIRE SMOKE DAMPER	SWBD	SWITCHBOARD
FT	FEET/FOOT		
FTG	FOOTING	T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	TBD	TO BE DETERMINED
FOIO	FURNISHED BY OWNER INSTALLED BY OWNER	TC	TIMECLOCK
		TEL	TELEPHONE
		TELECOM	TELECOMMUNICATIONS
G, GND	GROUND	TEMP	TEMPERATURE
GA	GAUGE	TOB	TOP OF BEAM
GAL	GALLON	TOC	TOP OF CONCRETE
GALV	GALVANIZED	TOD	TOP OF DECK
GC	GENERAL CONTRACTOR	TOJ	TOP OF JOIST
GEN	GENERATOR	TOS	TOP OF SLAB/TOP OF STEEL
GFI	GROUND FAULT CIRCUIT INTERRUPTER	T&P	TEMPERATURE & PRESSURE
GFP	GROUND FAULT PROTECTION	TSP	TOTAL STATIC PRESSURE
GRC	GALVANIZED RIGID STEEL CONDUIT	TYP	TYPICAL
H	HEIGHT	UL	UNDERWRITERS LABORATORY
HP	HORSEPOWER	UNO	UNLESS NOTED OTHERWISE
HTR	HEATER	UPS	UNINTERRUPTIBLE POWER SUPPLY
HVAC	HEATING VENTILATING AND AIR CONDITIONING	UTR	UP THROUGH ROOF
HW	HOT WATER	V	VOLT
HX	HEAT EXCHANGER	VA	VOLT AMPS
HZ	HERTZ	VERT	VERTICAL
		VFD	VARIABLE FREQUENCY DRIVE
ID	INSIDE DIAMETER/DIMENSION	VOL	VOLUME
IESNA	ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA	W	WATT
IG	ISOLATED GROUND	W/	WITH
IMC	INTERMEDIATE METAL CONDUIT	W/IN	WITHIN
IN	INCH/INCHES	W/O	WITHOUT
		WP	WEATHERPROOF
KCMIL	THOUSAND CIRCULAR MILS	WT	WEIGHT
KO	KNOCK OUT		
KW	KILOWATT/KILOWATTS	XFR	TRANSFORMER
KWH	KILOWATT HOUR(S)		
KVA	KILOVOLT AMPS		

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LUCE — STATE OF WASHINGTON — 43761 — REGISTERED PROFESSIONAL ENGINEER — FOR REVIEW

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

COVER SHEET

SHEET #
E00.01

DEMOLITION NOTES

1. THE EXISTING BUILDING IS TO REMAIN FULLY OCCUPIED DURING CONSTRUCTION. ANY ELECTRICAL WORK THAT WILL REQUIRE THE TEMPORARY INTERRUPTION OF THE POWER TO ANY PORTION OF THE BUILDING SHALL BE PRE-SCHEDULED WITH THE OWNER AND ARCHITECT AT LEAST FIFTEEN WORKING DAYS PRIOR TO STARTING SAID WORK. THE CONTRACTOR SHALL NOT INTERRUPT POWER TO ANY PORTION OF THE BUILDING WITHOUT PRIOR THE WRITTEN CONSENT OF THE OWNER.
2. PLEASE NOTE, ALL INFORMATION SHOWN IN REGARDS TO THE EXISTING SYSTEMS AND INSTALLATION WAS TAKEN FROM AVAILABLE RESOURCES. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BID AND FIELD VERIFY ACTUAL CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT AND SHALL INCLUDE ALL WORK REQUIRED TO FULFILL THE PROJECT SCOPE BASED ON THE ACTUAL EXISTING CONDITIONS IN THEIR BID. INFORM ARCHITECT AND ENGINEER OF CONFLICTS.
3. EXISTING CIRCUITING, WHERE SHOWN, IS BASED ON AVAILABLE AS-BUILT DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING INSTALLATIONS.
4. FOR EXISTING EQUIPMENT TO BE DEMOLISHED, REMOVE ALL ASSOCIATED ELECTRICAL DISCONNECTS, CONDUIT, CONDUCTORS, AND CABLING BACK TO PANELBOARD FOR EQUIPMENT ON DEDICATED CIRCUITS. WHERE ADDITIONAL EQUIPMENT TO REMAIN OR BE REPLACED SHARES A CIRCUIT WITH EQUIPMENT TO BE DEMOLISHED, REMOVE ELECTRICAL DISCONNECT AND WIRING ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED AND REWORK CIRCUIT WIRING AS REQUIRED TO MAINTAIN POWER TO EQUIPMENT TO REMAIN OR BE REPLACED.
5. WHERE RENOVATION WORK INTERFERES WITH EXISTING CIRCUITS OR EQUIPMENT NOT TO BE DEMOLISHED, REWORK OR RELOCATE EXISTING CIRCUITS AND EQUIPMENT AS REQUIRED TO MAINTAIN POWER TO THEM. REFER ALL CONFLICTS TO THE ARCHITECT AND ENGINEER.
6. REMOVE EXISTING BRANCH CIRCUIT CONDUCTORS, CONDUITS AND CABLING ASSOCIATED WITH EXISTING EQUIPMENT AND DEVICES TO BE DEMOLISHED BACK TO THE NEAREST ACTIVE DEVICE THAT IS TO REMAIN. MAKE-SAFE CONDUCTORS AND CAP-OFF CONDUIT AS REQUIRED.
7. WHERE EXISTING BRANCH CIRCUITS ARE TO BE RE-USED THE CONDUCTORS, CONDUIT OR CABLES OF THE ORIGINAL CIRCUIT ARE TO REMAIN AND BE RE-USED IF POSSIBLE. DOWNSTREAM BRANCH CIRCUIT CONDUCTORS, CONDUIT OR CABLES SERVING EXISTING TO BE DEMOLISHED EQUIPMENT OR DEVICES ARE TO BE REMOVED. THE CONTRACTOR SHALL VERIFY THAT EXISTING CONDUCTORS TO BE RE-USED ARE IN GOOD CONDITION AND RATED FOR 90-DEGREES C.
8. ALL REMOVED ELECTRICAL MATERIALS NOT TO BE RE-USED SHALL BECOME THE PROPERTY OF THE ELECTRICAL CONTRACTOR AND SHALL BE REMOVED FROM THE JOB SITE.
9. EXISTING LIGHTING FIXTURES THAT ARE TO BE SALVAGED AND REUSED ARE TO BE UNINSTALLED WITH CARE TO AVOID DAMAGE. FIXTURES ARE TO BE STORED IN A SAFE, DRY LOCATION UNTIL THE TIME FOR THEM TO BE INSTALLED IN THE NEW LOCATIONS. PRIOR TO INSTALL, CONTRACTOR IS TO CLEAN THE FIXTURE OF EXISTING DUST AND DEBRIS, AND PROVIDE NEW COMPATIBLE BALLASTS OR DRIVERS AND LAMPS WHERE APPLICABLE.
10. COORDINATE STORAGE LOCATION AND PROTECTION OF EQUIPMENT TO BE RE-USED WITH THE OWNER.
11. DAMAGE TO EQUIPMENT, DEVICES, ETC TO REMAIN CAUSED BY THE CONTRACTOR SHALL E REPLACED, REPAIRED AND RESTORED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. WORK SHALL BE COMPLETED TO THE COMPLETE SATISFACTION OF THE OWNER.

GENERAL PROJECT NOTES

1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING, DEVICE LOCATIONS, ETC. THE ELECTRICAL AND FIRE ALARM CONTRACTORS SHALL COORDINATE WITH ALL OTHER TRADES AND PROVIDE COMPLETE AND FULLY OPERATIONAL AND COORDINATED ELECTRICAL AND FIRE ALARM SYSTEMS THAT MEET ALL REQUIREMENTS OF THE OWNER, CODE AND THE LOCAL AHJ AND THE CONTRACT DOCUMENTS.
2. MATERIALS, METHODS AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION (WITH STATE AND LOCAL AMENDMENTS) OF THE NATIONAL ELECTRICAL CODE, WASHINGTON STATE ENERGY CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, INTERNATIONAL MECHANICAL CODE, UNIFORM PLUMBING CODE, THE AMERICANS WITH DISABILITY ACT AND LOCAL CODES AND ORDINANCES.
3. CONFIRM ALL DEVICE AND EQUIPMENT LOCATIONS AND QUANTITIES WITH THE OWNER AND ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
4. CONTRACTORS TO MAINTAIN THE FIRE RATING OF ANY FIRE-RATED WALLS AND FLOORS. ALL FLOOR PENETRATIONS TO BE FINISHED TO A SMOOTH
5. INSTALL ALL EQUIPMENT PER CODE AND MANUFACTURER'S INSTRUCTIONS; THESE DRAWINGS ARE DIAGRAMMATIC. REFER TO THE MECHANICAL/PLUMBING EQUIPMENT COORDINATION SCHEDULE FOR CONNECTION REQUIREMENTS FOR SPECIFIC MECHANICAL AND PLUMBING EQUIPMENT. SEE THE PANEL SCHEDULES AND FEEDER AND BRANCH CIRCUIT SCHEDULES FOR CIRCUIT SIZES.
6. ALL ELECTRICAL AND LOW VOLTAGE SYSTEM DEVICES AND EQUIPMENT (LUMINAIRES, CONDUIT AND CABLING, ETC) SHALL BE INDEPENDENTLY SUPPORTED (I.E. DO NOT SUPPORT LUMINAIRES FROM MECHANICAL EQUIPMENT, ETC). PROVIDE SUPPORTS PER CODE AND AHJ REQUIREMENTS.
7. ALL UTILITY INFRASTRUCTURE (POWER AND TELECOM) SHALL MEET THE UTILITY SERVICE PROVIDERS' REQUIREMENTS.
8. ALL NEW RACEWAYS AND CABLING SHALL BE INSTALLED CONCEALED WHEREVER POSSIBLE. AT OPEN CEILING AREAS, CONTRACTOR MUST PROVIDE CONDUCTORS / CABLING IN CONDUIT. COORDINATE THE ROUTING OF THE CONDUIT AT OPEN CEILING AREAS WITH THE ARCHITECT. ALL CONDUIT AND CABLING SHALL BE INSTALLED PARALLEL WITH BUILDING LINES. THE CONTRACTORS SHALL COORDINATE WITH THE CEILING TYPES IN ALL ROOMS AND ENSURE THAT ALL JUNCTION BOXES ARE ACCESSIBLE AFTER THE WORK OF ALL TRADES IS COMPLETE. JUNCTION BOXES SHALL NOT BE LOCATED ON HARD CEILINGS OR IN WALLS IN "FRONT OF HOUSE" SPACES WITHOUT PRIOR APPROVAL FROM ARCHITECT.
9. COORDINATE CONDUIT AND CABLING ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS. ROUTE CONDUIT AS TO MINIMIZE PENETRATIONS THROUGH PARTITIONS.
10. COORDINATE THE EXACT LOCATIONS OF CEILING MOUNTED DEVICES WITH ALL OTHER TRADES. OCCUPANCY / VACANCY SENSORS SHALL BE INSTALLED AT LEAST 8-FT OR THE MANUFACTURER'S RECOMMENDED DISTANCE FROM ALL HVAC EXHAUST DIFFUSERS. LOCATE PHOTO CELLS PER MANUFACTURER'S INSTRUCTIONS.
11. COORDINATE THE LOCATIONS OF ALL WALL-MOUNTED DEVICES (OCCUPANCY SENSOR SWITCHES, LOW VOLTAGE WALL STATIONS, LINE VOLTAGE SWITCHES, THERMOSTATS, ETC) WITH LOCATIONS AND SWINGS OF DOORS. DO NOT LOCATE DEVICES SUCH THAT THEY WILL BE BEHIND ANY DOOR WHEN THAT DOOR IS OPEN WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
12. BACK-TO-BACK DEVICES ARE NOT ALLOWED; INSTALL IN SEPARATE STUD CAVITIES.
13. THE ELECTRICAL CONTRACTOR SHALL PERFORM SHORT-CIRCUIT / FAULT CURRENT AND ARC FLASH STUDIES FOR THE PROJECT PER THE ACTUAL INTENDED INSTALLATION (FINAL GEAR SELECTION, ACTUAL FEEDER LENGTHS, ETC). STUDIES SHALL BE SUBMITTED TO THE ENGINEER WITH THE GEAR SUBMITTAL FOR REVIEW. FINAL STUDIES SHALL BE STAMPED BY AN ELECTRICAL ENGINEER CURRENTLY REGISTERED IN THE THE STATE OF WASHINGTON AND SHALL BE SUBMITTED TO THE LOCAL AHJ. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ARC FLASH LABELS ON ALL ELECTRICAL DISTRIBUTION EQUIPMENT PER CODE AND AHJ REQUIREMENTS. SEE THE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
14. LIGHTING CONTROL COORDINATION MEETING: THE ELECTRICAL CONTRACTOR SHALL COORDINATE A LIGHTING CONTROL COORDINATION MEETING WITH THE OWNER, ARCHITECT, ENGINEER, GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR, THE ALERTING SYSTEM PROVIDER AND AN AUTHORIZED SERVICE REPRESENTATIVE OF THE INTENDED LIGHTING CONTROL SYSTEM FOR THE PROJECT TO DISCUSS THE LIGHTING CONTROL INTENT FOR THE PROJECT AND INTEGRATION OF THE LIGHTING CONTROL SYSTEM WITH THE ALERTING SYSTEM. THIS MEETING SHALL OCCUR AT LEAST TEN (10) WORKING DAYS PRIOR TO SUBMITTING THE LIGHTING CONTROL SUBMITTAL. THE LIGHTING CONTROL SUBMITTAL SHALL REFLECT THE DECISIONS MADE DURING THIS MEETING.
15. THE ELECTRICAL CONTRACTOR SHALL MARK LOCATIONS OF ALL DEVICES FOR POWER AND LOW VOLTAGE SYSTEMS (RECEPTACLES, TELECOM OUTLETS, CATV OUTLETS, FLOORBOXES, CARD READERS, ETC) THROUGHOUT THE PROJECT FOR THE OWNER AND ARCHITECT TO REVIEW AND APPROVE PRIOR TO WIRING AND INSTALLATION OF DEVICES/ INFRASTUCTURE OF DEVICES. WHEN REQUESTED BY THE ARCHITECT AND OWNER, THE ELECTRICAL CONTRACTOR SHALL RELOCATE DEVICES AND EQUIPMENT UP TO SIX (6) FEET IN ANY DIRECTION AT NO COST TO THE PROJECT.
16. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL REQUIRED SUBMISSIONS TO THE AUTHORITIES HAVING JURISDICTION FOR PERMITS AND APPROVAL OF ALL ELECTRICAL SYSTEMS AND SHALL PAY ALL FEES ASSOCIATED WITH THESE SUBMISSIONS AND OBTAINING THE REQUIRED PERMIT(S). PROVIDE A COPY OF THE FINAL APPROVED DRAWINGS WITH THE LOCAL AHJ'S APPROVAL STAMP TO THE OWNER FOR THEIR RECORDS.
17. ALL LOW VOLTAGE SYSTEMS, INCLUDING FIRE ALARM, ARE DESIGN BUILD. ANY DEVICES AND EQUIPMENT INDICATED ON THESE PLANS ARE PRELIMINARY FOR SPACE PLANNING PURPOSES ONLY. SEE LOW VOLTAGE NOTES THIS DRAWING, PRELIMINARY SYSTEMS PLANS, AND PERFORMANCE SPECIFICATIONS FOR INFORMATION AND REQUIREMENTS.
    A. FIRE ALARM SYSTEMS ARE TO BE DESIGNED, PERMITTED AND INSTALLED BY A FIRE ALARM CONTRACTOR HIRED UNDER THE SCOPE OF THIS PROJECT.
    B. THE ALERTING SYSTEM AND RADIO SYSTEM ARE TO BE DESIGNED AND INSTALLED BY VENDORS HIRED BY THE OWNER.
    C. ALL OTHER LOW VOLTAGE SYSTEMS (CATV, TELECOM, CCTV, ACCESS CONTROL, ETC) ARE TO BE DESIGNED AND INSTALLED BY A LOW VOLTAGE DESIGN-BUILD CONTRACTOR HIRED BY THE ELECTRICAL CONTRACTOR.
    D. THE ELECTRICAL CONTRACTOR IS TO PROVIDE ALL INFRASTRUCTURE (LINE VOLTAGE POWER, CONDUITS WITH PULLSTRINGS, BACKBOXES, EQUIPMENT RACKS, ETC) FOR THESE SYSTEMS. LOW VOLTAGE DEVICES SHOWN IN THIS BID SET ARE FOR BIDDING PURPOSES ONLY. THE ELECTRICAL CONTRACTOR SHALL CONFIRM ACTUAL DEVICE LOCATIONS, QUANTITIES, AND REQUIREMENTS WITH THE OWNER'S SYSTEM INSTALLERS AT THE START OF CONSTRUCTION.
    E. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TELECOM UTILITY SERVICE PROVIDERS TO BRING TELECOM SERVICE TO THE BUILDING.

ELECTRICAL COMMISSIONING NOTES

1. BUILDING COMMISSIONING BY THE ELECTRICAL CONTRACTOR SHALL BE COMPLETED FOR THE ELECTRICAL GENERATOR/ ATS SYSTEM ON THIS PROJECT IN ACCORDANCE WITH THE COMMERCIAL ENERGY CODE SECTION C408 AND AS PER THE PROJECT COMMISSIONING REQUIREMENTS INDICATED IN DIVISION 01 AND 26 SPECIFICATIONS AND THE PROJECT BID DRAWINGS.
2. SYSTEM START UP: THE ELECTRICAL CONTRACTOR SHALL ENGAGE A CERTIFIED FACTORY SERVICE TECHNICIAN TO START UP THE GENERATOR/ ATS SYSTEMS ON THE PROJECT. SEE DRAWINGS AND INDIVIDUAL SPECIFICATION SECTIONS FOR ADDITIONAL REQUIREMENTS.
3. ALL ELECTRICAL SYSTEMS AND DEVICES ARE TO BE TESTED, WHICH IS A SEPARATE PROCESS WITH SEPARATE REQUIREMENTS FROM THE PROJECT COMMISSIONING/ FUNCTIONAL TESTING NOTED HERE. SEE INDIVIDUAL DIVISION 26 SPECIFICATION SECTIONS FOR SPECIFIC TESTING AND COMMISSIONING REQUIREMENTS FOR ALL ELECTRICAL EQUIPMENT AND DEVICES.
4. THE OWNER'S REPRESENTATIVE AND ARCHITECT SHALL BE PRESENT AT ALL TESTS AND COMMISSIONING EVENTS UNLESS THEY INDICATE OTHERWISE IN WRITING.
5. THE ELECTRICAL CONTRACTOR SHALL ENGAGE FACTORY AUTHORIZED SERVICE TECHNICIANS TO PROVIDE TESTING, COMMISSIONING/ FUNCTIONAL TESTING, AND DOCUMENTATION OF ALL TEST RESULTS SHOWING THAT SYSTEMS ARE OPERATING AS REQUIRED FOR THE FOLLOWING SYSTEMS:
    A. THE GENERATOR AND TRANSFER SWITCH.
6. THE CONTRACTOR SHALL ENGAGE A FACTORY AUTHORIZED SERVICE TECHNICIANS TO PROVIDE COMMISSIONING AND FUNCTIONAL TESTING SERVICES FOR THE GENERATOR AND TRANSFER SWITCH IN ADDITION TO STANDARD SYSTEM TESTING. SEE SPECIFICATION SECTIONS 26 32 13 AND 26 36 00 FOR DETAILED REQUIREMENTS FOR TESTING AND COMMISSIONING. AMONG OTHER REQUIREMENTS AS PER SPECIFICATION SECTIONS 26 32 13 AND 26 36 00, GENERATOR SYSTEM COMMISSIONING SHALL INCLUDE AT LEAST 8 CONSECUTIVE HOURS OF GENERATOR RUNTIME. COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECT.
7. COMMISSIONING PLAN: THE ELECTRICAL CONTRACTOR SHALL DEVELOP A PLAN WHICH OUTLINES THE ORGANIZATION, SCHEDULE, ALLOCATION OF RESOURCES AND DOCUMENTATION REQUIREMENTS OF THE COMMISSIONING PROCESS FOR GENERATOR SYSTEMS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED TO ASSIST IN DEVELOPING THE OVERALL COMMISSIONING PLAN FOR THE PROJECT. SEE SECTION C408.1.2 IN THE WASHINGTON STATE ENERGY CODE.
8. PRELIMINARY COMMISSIONING REPORT: COMPLETION OF THE COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE CERTIFIED BY THE GENERAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED TO COMPLETE THE TEST PROCEDURES AND FINALIZE THE REPORT. REPORT SHALL NOTE DEFICIENCIES FOUND DURING TESTING, CORRECTIVE ACTION TAKEN OR THE ANTICIPATED DATE OF CORRECTION, CONDITIONS UNDER WHICH THE TESTING WAS PERFORMED AND STATUS OF ANY DEFERRED TESTS.
    A. SUBMISSION OF THIS REPORT IS REQUIRED PRIOR TO FINAL ELECTRICAL INSPECTIONS AND CERTIFICATE OF OCCUPANCY.
    B. A COPY OF THIS REPORT SHALL BE MADE AVAILABLE TO THE CODE OFFICIAL.
9. WITHIN 90 DAYS OF RECEIPT OF THE BUILDING CERTIFICATE OF OCCUPANCY, THE PROJECT RECORD DRAWINGS, O&M MANUALS, FINAL COMMISSIONING REPORT AND DOCUMENTATION OF COMPLETED OWNER TRAINING SHALL BE SUBMITTED FOR REVIEW. SEE DIVISION 01 AND 26 SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
10. RECORD DRAWINGS: SEE SPECIFICATIONS FOR REQUIREMENTS.
11. OPERATION & MAINTENANCE MATERIALS: SUBMIT ALL OF THE FOLLOWING (SEE DIVISION 01 AND 26 SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS).
    A. EQUIPMENT SIZE, SELECTED OPTIONS, AND REQUIRED MAINTENANCE.
    B. LUMINAIRE PACKAGE WITH FINAL LUMINAIRES AND LAMPS (AS APPLICABLE) USED ON THE PROJECT WITH SELECTED OPTIONS INDICATED.
    C. FINAL APPROVED DEVICE SUBMITTALS (RECEPTACLES, SWITCHES, ETC)
    D. MANUFACTURER'S O&M MANUAL FOR EACH PIECE OF EQUIPMENT.
    E. NAME AND ADDRESS OF SERVICE AGENCY.
    F. CONTROLS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, SCHEMATICS, RECORD DRAWINGS AND CONTROL SEQUENCES. SETPOINTS SHALL BE PERMANENTLY RECORDED IN THESE DOCUMENTS.
    G. NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE UNDER NORMAL AND EMERGENCY CONDITIONS (AS APPLICABLE).
12. OWNER TRAINING: PROVIDE SYSTEM/ EQUIPMENT OVERVIEW (WHAT IT IS, WHAT IT DOES AND WHICH OTHER SYSTEMS AND OR EQUIPMENT DOES IT INTERFACE WITH). REVIEW THE AVAILABLE O&M MATERIALS. REVIEW THE PROJECT RECORD DRAWINGS. PROVIDE HANDS-ON DEMONSTRATION OF ALL NORMAL MAINTENANCE PROCEDURES. NORMAL OPERATING MODES, AND ALL EMERGENCY SHUTDOWN AND START-UP PROCEDURES. INCLUDE WRITTEN DOCUMENTATION THAT ALL THE PREVIOUS HAS BEEN COMPLETED. THE ELECTRICAL CONTRACTOR SHALL ENGAGE FACTORY AUTHORIZED SERVICE TECHNICIANS AS REQUIRED BY THE BID DOCUMENTS. SEE THE DIVISION 26 AND 28 SPECIFICATION SECTIONS FOR SPECIFIC SYSTEM REQUIREMENTS.
13. FINAL COMMISSIONING REPORT: THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO COMPLETE AND CERTIFY THE RESULTS OF ALL FUNCTIONAL PERFORMANCE TESTS AND THAT THE COMMISSIONING PLAN HAS BEEN FULLY EXECUTED. REPORT SHALL INCLUDE:
    A. DISPOSITION OF ALL DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.
    B. ALL FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS INCLUDING MEASURABLE CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY.

LOW VOLTAGE PROJECT NOTES

1. SEE GENERAL PROJECT NOTES, THIS DRAWING, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. ALL LOW VOLTAGE SYSTEMS, INCLUDING FIRE ALARM, ARE DESIGNED BY OTHERS. ANY DEVICES AND EQUIPMENT INDICATED ON THESE PLANS ARE PRELIMINARY FOR SPACE PLANNING PURPOSES ONLY. SEE NOTES THIS DRAWING, PRELIMINARY SYSTEMS PLAN, AND PERFORMANCE SPECIFICATIONS FOR INFORMATION AND REQUIREMENTS.
3. FIRE ALARM SYSTEMS ARE TO BE DESIGNED, PERMITTED AND INSTALLED BY A FIRE ALARM CONTRACTOR HIRED UNDER THE SCOPE OF THIS PROJECT. THE DESIGN-BUILD FIRE ALARM CONTRACTOR SHALL DESIGN AND PROVIDE COMPLETE AND FULLY OPERATIONAL FIRE ALARM SYSTEM MEETING THE REQUIREMENTS OF CODE, THE LOCAL AHJ AND THE FIRE MARSHAL. ANY DEVICES SHOWN ON THE ELECTRICAL DRAWINGS ARE SCHEMATIC FOR COORDINATION PURPOSES ONLY. SEE THE PERFORMANCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

   THE FIRE ALARM CONTRACTORS SHALL MAKE ALL REQUIRED SUBMISSIONS TO THE AUTHORITIES HAVING JURISDICTION FOR PERMITS AND APPROVAL OF ALL FIRE ALARM SYSTEMS AND SHALL PAY ALL FEES ASSOCIATED WITH THESE SUBMISSIONS AND OBTAINING THE REQUIRED PERMIT(S). THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND PROVIDING SYSTEMS THAT MEET ALL REQUIREMENTS OF CODE AND THE LOCAL AHJ; ALL ADDITIONS, REVISIONS, RESUBMITTALS, ETC REQUIRED TO OBTAIN AHJ APPROVAL SHALL BE CARRIED OUT BY THE FIRE ALARM CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. PROVIDE A COPY OF THE FINAL APPROVED DRAWINGS WITH THE LOCAL AHJ'S APPROVAL STAMP TO THE OWNER FOR THEIR RECORDS.
4. THE ALERTING SYSTEM AND RADIO SYSTEM ARE TO BE MODIFIED BY VENDORS HIRED BY THE OWNER.
5. ALL OTHER LOW VOLTAGE SYSTEMS (CATV, TELECOM, CCTV, ACCESS CONTROL, ETC) ARE TO BE MODIFIED BY A LOW VOLTAGE DESIGN-BUILD CONTRACTOR HIRED BY THE ELECTRICAL CONTRACTOR.
6. ALL VOICE/ DATA SYSTEM DESIGN SHALL BE PERFORMED BY A BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER (RCDD) OR BY A DESIGN ENGINEER AT LEAST FIVE YEARS OF EXPERIENCE ON PROJECTS WITH SIMILAR SYSTEMS AND SCOPES. THE CONTRACTOR SHALL PROVIDE PROOF OF CERTIFICATION FOR THE SYSTEMS TO BE INSTALLED IN THE PROJECT AND THE CABLING, TERMINATIONS, AND EQUIPMENT PROPOSED FOR THE PROJECT.
7. ALL LOW VOLTAGE CABLING AND EQUIPMENT INSTALLATION AND TESTING SHALL BE PERFORMED BY A CERTIFIED INSTALLER. THE CONTRACTOR SHALL PROVIDE PROOF OF CERTIFICATION FOR THE SYSTEMS TO BE INSTALLED IN THE PROJECT AND THE CABLING, TERMINATIONS, AND EQUIPMENT PROPOSED FOR THE PROJECT.
8. THE ELECTRICAL CONTRACTOR IS TO PROVIDE ALL INFRASTRUCTURE (LINE VOLTAGE POWER, CONDUITS WITH PULLSTRINGS, BACKBOXES, EQUIPMENT RACKS, ETC) FOR ALL LOW VOLTAGE SYSTEMS. PRELIMINARY SYSTEMS PLAN PROVIDED IN THIS BID SET ARE FOR BIDDING PURPOSES ONLY. THE ELECTRICAL CONTRACTOR SHALL CONFIRM ACTUAL DEVICE LOCATIONS, QUANTITIES, AND REQUIREMENTS WITH THE DESIGN-BUILD LOW VOLTAGE CONTRACTOR AND ALERTING SYSTEM VENDOR AT THE START OF CONSTRUCTION.
9. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TELECOM UTILITY SERVICE PROVIDERS TO BRING TELECOM SERVICE TO THE BUILDING.

ENERGY CODE NOTES

1. SEE THE LUMINAIRE SCHEDULE, LIGHTING AND RECEPTACLE CONTROL DRAWING, AND THE LIGHTING PLANS FOR LIGHTING AND LIGHTING CONTROL REQUIREMENTS. SYSTEMS SHALL MEET THE REQUIREMENTS OF C405.2 AND C405.4.
2. OCCUPANCY SENSORS SHALL FAIL ON AND AUTOMATICALLY TURN OFF LUMINAIRES IN THEIR COVERAGE AREA WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE UNLESS NOTED OTHERWISE ON THE PLANS. SEE LIGHTING CONTROL SCHEDULES FOR ADDITIONAL FUNCTIONALITY
3. EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.
4. LUMINAIRES IN ALL DAYLIGHT ZONES AS DEFINED BY THE ENERGY CODE SHALL BE PROVIDED WITH DIMMING CAPABILITIES. LUMINAIRES WITHIN THE PRIMARY AND SECONDARY DAYLIGHT ZONES SHALL AUTOMATICALLY DIM IN RESPONSE TO AVAILABLE DAYLIGHT PER CODE REQUIREMENTS.
5. LUMINAIRES IN THE PRIMARY AND SECONDARY DAYLIGHT ZONES SHALL BE CONTROLLED INDEPENDENTLY OF EACH OTHER AND OF NON-DAYLIGHT AREAS; SEE LIGHTING PLANS FOR SPECIFIC CONTROL REQUIREMENTS FOR EACH SPACE. LUMINAIRES IN TOPLIGHT DAYLIGHT ZONES SHALL BE CONTROL SEPARATELY FROM LUMINAIRES IN SIDELIGHT DAYLIGHT ZONES.
6. DAYLIGHT RESPONSIVE CONTROLS WITHIN EACH SPACE SHALL BE CONFIGURED TO COMPLETELY SHUT OFF ALL CONTROLLED LIGHTS EACH THAT ZONE AND SO THAT THEY CAN BE CALIBRATED FROM WITHIN THAT SPACE BY AUTHORIZED PERSONNEL; CALIBRATION MECHANISMS SHALL BE READILY ACCESSIBLE.
7. DAYLIGHT RESPONSIVE CONTROLS SHALL INCORPORATE TIME-DELAY CIRCUITS TO PREVENT CYCLING OF LIGHT LEVEL CHANGES OF LESS THAN THREE MINUTES.
8. A SINGLE DAYLIGHT RESPONSIVE CONTROL SHALL NOT CONTROL AN AREA LARGER THAN 2,500 SQUARE FEET.
9. OCCUPANT OVERRIDE OF DAYLIGHT DIMMING CONTROLS IS NOT PERMITTED OTHER THAN TO REDUCE LIGHT OUTPUT FROM THE LEVEL ESTABLISHED BY THE DAYLIGHTING CONTROLS.
10. LUMINAIRES SERVING THE EXIT ACCESS AND PROVIDING MEANS OF EGRESS ILLUMINATION REQUIRED BY THE IBC SHALL BE CONTROLLED BY A COMBINATION OF LISTED EMERGENCY RELAY AND OCCUPANCY SENSORS OR SIGNAL FROM ANOTHER BUILDING CONTROL SYSTEM THAT AUTOMATICALLY SHUTS OFF THE LIGHTING WHEN THE AREAS SERVED BY THAT ILLUMINATION ARE UNOCCUPIED. SEE LIGHTING PLANS.
11. EXTERIOR LUMINAIRES THAT ARE INTENDED TO LIGHT THE BUILDING FAÇADE OR LANDSCAPE SHALL HAVE CONTROLS THAT AUTOMATICALLY SHUT OFF THE LIGHTING AS A FUNCTION OF DAWN / DUSK AND A SET OPENING AND CLOSING TIME.
12. ALL ELECTRIC MOTORS SHALL MEET THE EFFICIENCY REQUIREMENTS OF TABLES C405.8(1) THROUGH C405.8(4) IN THE WASHINGTON STATE ENERY CODE. FAN MOTORS 1/12 HP UP TO 1 HP SHALL BE ECM PER C405.8.
13. THE BUILDING SHALL BE COMMISSIONED PER THE REQUIREMENTS OF SECTION C408 AND AS PER ADDITIONAL COMMISSIONING REQUIREMENTS FOR PROJECT - SEE DIVISION 01 AND DIVISION 26 SPECIFICATIONS, COMMISSIONING NOTES THIS DRAWING AND PROJECT DRAWINGS FOR REQUIREMENTS.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LUCE — STATE OF WASHINGTON — 43761 — REGISTERED PROFESSIONAL ENGINEER — FOR REVIEW

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

NOTES

SHEET #
E00.02

DATE/ TIME PRINTED: 5/18/2021 10:36:48 AM
R:\2020\036 Snohomish FD 7 Station 83\4 Consultants_Backgrounds\210518 RFM Backgrounds\210518 Snohomish FD 7 Station 83 - 2020.rvt

FEEDER/ CIRCUIT SCHEDULE

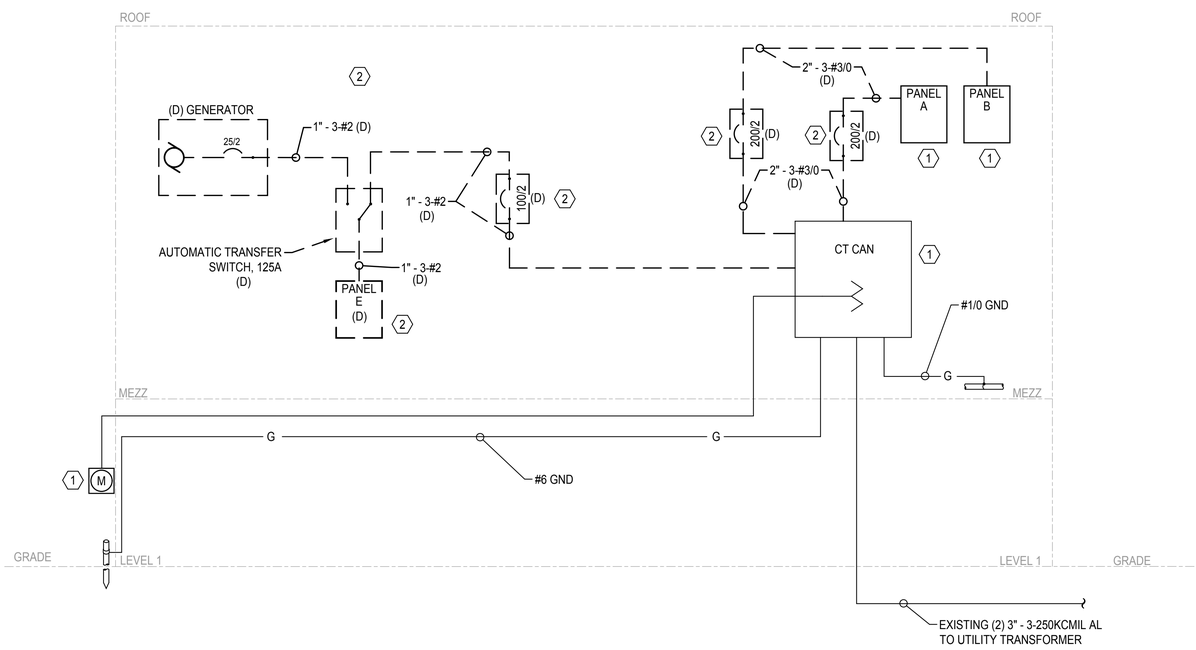
MARK	CONDUIT (#SETS) SIZE	AL OR CU	CONDUCTORS PER SET PHASE / NEUTRAL (N) (QTY) SIZE	GROUND (1 PER SET UNO)
400.4	(2) 3-INCH	AL	(3) 250 KCMIL / (1) 250 KCMIL N	#1
400.3	(2) 3-INCH	AL	(3) 250 KCMIL	#1
350.4	(1) 4-INCH	AL	(3) 700 KCMIL / (1) 700 KCMIL N	#1
350.3	(1) 4-INCH	AL	(3) 700 KCMIL	#1
300.4	(1) 4-INCH	AL	(3) 500 KCMIL / (1) 500 KCMIL N	#2
300.3	(1) 4-INCH	AL	(3) 500 KCMIL	#2
250.4	(1) 3-INCH	AL	(3) 350 KCMIL / (1) 350 KCMIL N	#2
250.3	(1) 3-INCH	AL	(3) 350 KCMIL	#2
225.4	(1) 3-INCH	AL	(3) 300 KCMIL / (1) 300 KCMIL N	#2
225.3	(1) 3-INCH	AL	(3) 300 KCMIL	#2
200.4	(1) 3-INCH	AL	(3) 250 KCMIL / (1) 250 KCMIL N	#4
200.3	(1) 3-INCH	AL	(3) 250 KCMIL	#4
175.4	(1) 3-INCH	AL	(3) #4/0 / (1) #4/0 N	#4
175.3	(1) 3-INCH	AL	(3) #4/0	#4
150.4	(1) 2-INCH	AL	(3) #3/0 / (1) #3/0 N	#4
150.3	(1) 2-INCH	AL	(3) #3/0	#4
125.4	(1) 2-INCH	AL	(3) #2/0 / (1) #2/0 N	#4
125.3	(1) 2-INCH	AL	(3) #2/0	#4
100.4	(1) 2-INCH	AL	(3) #1/0 / (1) #1/0 N	#6
100.3	(1) 2-INCH	AL	(3) #1/0	#6
90.4	(1) 1.5-INCH	CU	(3) #2 / (1) #2 N	#8
90.3	(1) 1.5-INCH	CU	(3) #2	#8
80.4	(1) 1.5-INCH	CU	(3) #4 / (1) #4 N	#8
80.3	(1) 1.5-INCH	CU	(3) #4	#8
70.4	(1) 1.5-INCH	CU	(3) #4 / (1) #4 N	#8
70.3	(1) 1-INCH	CU	(3) #4	#8
60.4	(1) 1-INCH	CU	(3) #6 / (1) #6 N	#10
60.3	(1) 1-INCH	CU	(3) #6	#10
60.2N	(1) 1-INCH	CU	(2) #6 / (1) #6 N	#10
60.2	(1) 1-INCH	CU	(2) #6	#10
60.1	(1) 1-INCH	CU	(1) #6 / (1) #6 N	#10
50.4T	(1) 1-INCH	CU	(3) #6 / (1) #6 N	#8
50.4	(1) 1-INCH	CU	(3) #6 / (1) #6 N	#10
50.3	(1) 1-INCH	CU	(3) #6	#10
50.2N	(1) 1-INCH	CU	(2) #6 / (1) #6 N	#10
50.2	(1) 1-INCH	CU	(2) #6	#10
50.1	(1) 1-INCH	CU	(1) #6 / (1) #6 N	#10
40.4	(1) 1-INCH	CU	(3) #8 / (1) #8 N	#10
40.3	(1) 1-INCH	CU	(3) #8	#10
40.2N	(1) 1-INCH	CU	(2) #8 / (1) #8 N	#10
40.2	(1) 1-INCH	CU	(2) #8	#10
40.1	(1) 1-INCH	CU	(1) #8 / (1) #8 N	#10
30.4	(1) 1-INCH	CU	(3) #10 / (1) #10 N	#10
30.3	(1) 1-INCH	CU	(3) #10	#10
30.2N	(1) 1-INCH	CU	(2) #10 / (1) #10 N	#10
30.2	(1) 1-INCH	CU	(2) #10	#10
30.1	(1) 1-INCH	CU	(1) #10 / (1) #10 N	#10
20.4	(1) 1-INCH	CU	(3) #12 / (1) #12 N	#12
20.3	(1) 1-INCH	CU	(3) #12	#12
20.2N	(1) 1-INCH	CU	(2) #12 / (1) #12 N	#12
20.2	(1) 1-INCH	CU	(2) #12	#12
20.1	(1) 1-INCH	CU	(1) #12 / (1) #12 N	#12

NOTES:

A. AL= ALUMINUM (STABILOY CONDUCTORS WITH XHHW-2 INSULATION);
CU= COPPER (COPPER CONDUCTORS WITH THHN/THWN INSULATION).

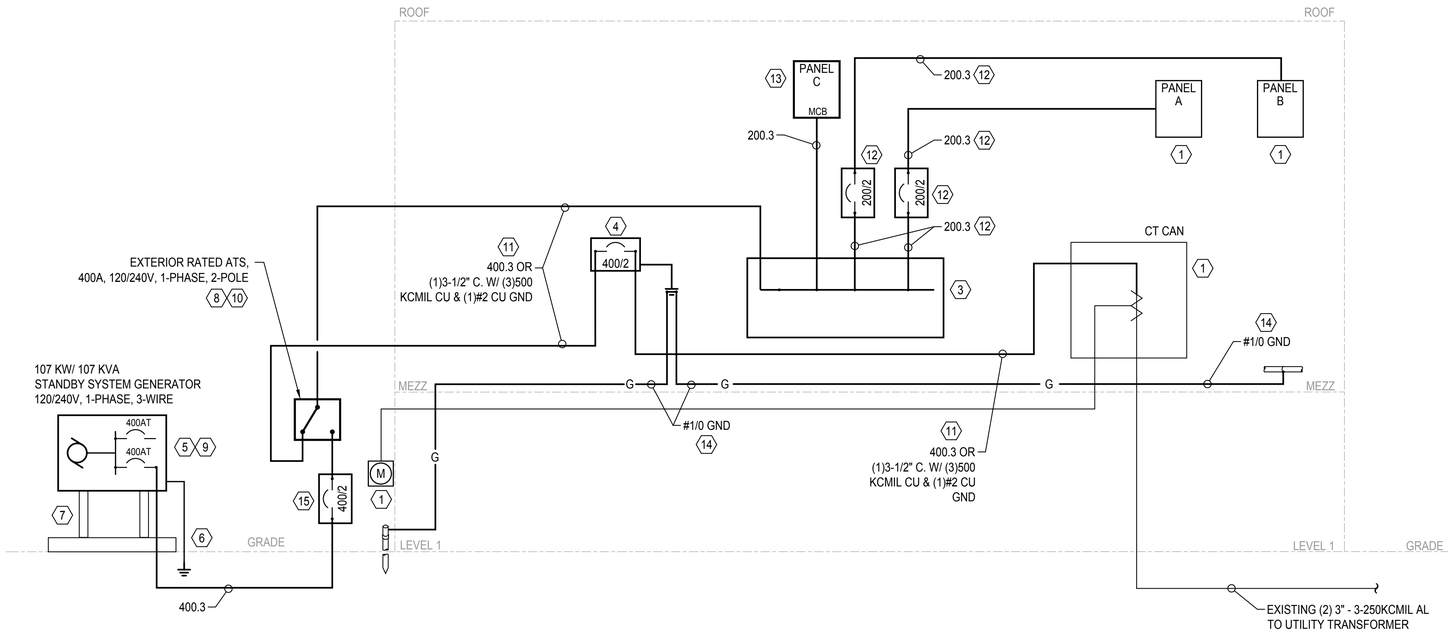
B. FEEDERS RATED OVER 100 AMPS ARE BASED ON TERMINALS RATED FOR 75-DEGREES C (167-DEGREES F) AS PER NEC 110.14(C)(1). FEEDERS RATED 100 AMPS AND LOWER ARE BASED ON TERMINALS RATED FOR 60-DEGREES C (140-DEGREES F).

C. PROVIDE GROUND WIRE NOTED ABOVE IN ALL FEEDERS. WHERE MULTIPLE SETS OF PARALLEL CONDUIT ARE INDICATED, PROVIDE ONE GROUND WIRE IN EACH SET.



1 ONE LINE DIAGRAM - DEMO

SCALE:NO SCALE



2 ONE LINE DIAGRAM - NEW

SCALE:NO SCALE

FLAG NOTES (X):

1. ALL EXISTING ELECTRICAL EQUIPMENT TO REMAIN, UNLESS NOTED OTHERWISE.
2. EXISTING STANDBY SYSTEM (INCLUDING PROPANE GENERATOR, ATS, PANEL E AND ASSOCIATED FEEDERS) AND DISCONNECT SWITCHES SERVING PANELS A & B TO BE REMOVED AND REPLACED BY NEW EQUIPMENT AS NOTED.
3. PROVIDE AND INSTALL NEW 400AMP BUS GUTTER FOR REVISED DISTRIBUTION TO BRANCH PANELS.
4. PROVIDE AND INSTALL NEW SERVICE ENTRANCE RATED MAIN DISCONNECT BETWEEN EXISTING CT CABINET AND NEW AUTOMATIC TRANSFER SWITCH.
5. PROVIDE NEW EXTERIOR DIESEL GENERATOR IN ACOUSTIC ENCLOSURE FOR 702 (OPTIONAL STANDBY) LOADS; SEE SPECIFICATIONS FOR ACOUSTIC ENCLOSURE PERFORMANCE REQUIREMENTS. GENERATOR AND SUBBASE TANK SHALL COMPLY WITH CURRENT FIRE CODES AS ENFORCED BY THE LOCAL AHJ. EMERGENCY LIGHTING (NEC 700 LOADS FOR THE BUILDING) ARE POWERED VIA EMERGENCY LIGHTING INVERTERS AND INTEGRAL BATTERY PACKS.

   PROVIDE A SUB-BASE TANK WITH A MINIMUM OF 48-HOURS OF FUEL AT 100% LOAD (ESTIMATED TO BE 595 GALLONS FOR BOD GENSET). HEIGHT OF GENERATOR PLUS FUEL TANK TO BE SUCH THAT THE OUTPUT BREAKER ON THE GENERATOR IS NOT HIGHER THAN 6'-7" ABOVE THE FINISHED ACCESS PLATFORM MEASURED TO THE CENTER OF THE GRIP OF THE OPERATING HANDLE WHEN IN ITS HIGHEST POSITION.

   OUTPUT BREAKER THAT SERVES BUILDING SHALL BE SERVICE ENTRANCE RATED. GENERATOR SHALL ALSO BE PROVIDED WITH A SECOND OUTPUT BREAKER FOR LOAD BANK TESTING.

   GENERATOR TO BE EPA CERTIFIED AS MEETING EPA EMISSIONS REQUIREMENTS. FINAL GENERATOR PLUS FUEL TANK SELECTION SHALL FIT WITHIN CONFINES SHOWN ON SITE PLAN. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

   BASIS OF DESIGN: KOHLER #150REOZJF w/ 4R13X ALTERNATOR.
6. PROVIDE SYSTEM BONDING JUMPER AND GROUND GENERATOR AS SEPARATELY DERIVED SYSTEM PER NEC 702.11(A) AND 250.30(A).
7. GENERATOR IS TO BE MOUNTED ON PEDESTAL ROUGHLY 4-FEET ABOVE GRADE DUE TO LOCATION WITHIN FLOOD PLAIN. PEDESTAL TO ALSO HAVE ACCESS STAIRS AND A PLATFORM, MEETING NEC REQUIRED CLEARANCE & WORKING AREAS, FOR ACCESS TO THE OUTPUT BREAKERS. CONTRACTOR TO COORDINATE DIRECTLY WITH G.C. AND STRUCTURAL ENGINEER TO DETERMINE PEDESTAL REQUIREMENTS. PROVIDE FINAL DIMENSIONS AND WEIGHTS OF SELECTED GENERATOR TO STRUCTURAL FOR VERIFICATION OF DESIGN
8. PROVIDE WALL MOUNTED, EXTERIOR RATED AUTOMATIC TRANSFER SWITCH (ATS). BONDED NEUTRAL SHALL OCCUR ON UTILITY SIDE OF ATS ONLY, NOT ON GENERATOR INPUT. GENERATOR IS GROUNDED AS SEPARATELY DERIVED SYSTEM; NEUTRAL BOND OCCURS AT GENERATOR OUTPUT BREAKER.

   CONTRACTOR TO PROVIDE MONITORING OF THE INTEGRITY OF THE GENERATOR START WIRES; PROVIDE 3-WIRE START WITH MONITORING PROVISIONS AT THE ATS AND THE GENERATOR CONTROLLER.
9. THE CONTRACTOR SHALL HIRE A THIRD-PARTY STRUCTURAL ENGINEER CURRENTLY REGISTERED IN THE STATE OF WASHINGTON TO DESIGN SUPPORTS FOR GENERATOR/ SUBBASE TANK PER CODE AND LOCAL AHJ REQUIREMENTS. THE STRUCTURAL ENGINEER SHALL PROVIDE DRAWINGS AND CALCULATIONS STAMPED AND SIGNED. SEE SPECIFICATIONS FOR ADDITION REQUIREMENTS.
10. THE CONTRACTOR SHALL HIRE A FACTORY SERVICE REPRESENTATIVE TO START UP, TEST, AND COMMISSION THE GENERATOR AND ATS. THIS SCOPE SHALL INCLUDE A MINIMUM 8-HOUR GENERATOR RUNTIME AFTER THE BUILDING IS COMPLETE AND ALL SYSTEMS ARE OPERATIONAL. COORDINATE THIS TESTING WITH THE GENERAL CONTRACTOR AND ARCHITECT. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
11. PROVIDE NEW FEEDERS FROM THE EXISTING CT CABINET, TO THE NEW ATS AND BACK TO THE NEW MAIN BUSSED GUTTER.
12. PROVIDE NEW MAIN DISCONNECT SWITCH(S) AND FEEDERS TO RE-SERVE EXISTING PANELBOARDS TO REMAIN.
13. PROVIDE NEW PANELBOARD 'C' (200AMP, 120/240V,1-PH) AND ASSOCIATED FEEDER TO RE-SERVE REMAINING LOADS FROM DEMO'D PANEL 'E'. PROVIDE PANELBOARD WITH MAIN CIRCUIT BREAKER.
14. PROVIDE NEW GROUNDING CONNECTIONS FROM NEW SERVICE EQUIPMENT TO EXISTING GROUNDING ELECTRODE SYSTEM. GROUNDING SIZE TO BE #1/0 OR AS REQUIRED BY CODE. CONTRACTOR TO VERIFY CONFIGURATION OF EXISTING SYSTEM AND MODIFY AS NEEDED TO COMPLY WITH CURRENT CODE REQUIREMENTS PER NEC 250.50.
15. GENERATOR ENTRANCE DISCONNECT. PROVIDE HEAVY DUTY NEMA 3R DISCONNECT SWITCH FOR GENERATOR FEEDERS CONNECTING TO THE ATS.

ALL INFORMATION SHOWN IN REGARDS TO THE EXISTING SYSTEMS AND INSTALLATION WAS TAKEN FROM AVAILABLE RESOURCES. THE CONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BIDS AND FIELD VERIFY ACTUAL CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT AND SHALL INCLUDE ALL WORK REQUIRED TO FULFILL THE PROJECT SCOPE BASED ON THE ACTUAL EXISTING CONDITIONS IN THEIR BID. INFORM ARCHITECT AND ENGINEER OF CONFLICTS.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LUCE — STATE OF WASHINGTON — 43761 — REGISTERED PROFESSIONAL ENGINEER — FOR REVIEW

STATION 83

SNOHOMISH REGIONAL FIRE & RESCUE

13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

ONE LINE DIAGRAM

SHEET #

E00.03

PANEL SCHEDULES

LOADS SHOWN IN THE PANEL SCHEDULES ARE TAKEN FROM AVAILABLE AS-BUILT INFORMATION AND THE NEW PROJECT SCOPE. THEY ARE INTENDED TO SHOW THE EXISTING PANELBOARDS CAN ACCOMMODATE THE ADDED LOADS UNDER THIS PROJECT SCOPE.

PANEL SCHEDULE CIRCUIT NOTES:

1. PROVIDE GROUND FAULT EQUIPMENT PROTECTION BREAKER.
2. DEMOLISH EXISTING EQUIPMENT CONNECTION AND LEAVE EXISTING BREAKER AS SPARE.
3. DEMOLISH EXISTING EQUIPMENT CONNECTION AND CONNECT NEW EQUIPMENT TO EXISTING BREAKER.
4. DEMOLISH EXISTING EQUIPMENT CONNECTION AND BREAKER. PROVIDE NEW CIRCUIT BREAKER TO SERVE NEW EQUIPMENT.
5. EXTEND EXISTING BRANCH CIRCUIT TO ADDITIONAL DEVICE LOCATIONS AS SHOWN ON PLANS.
6. EXTEND EXISTING BRANCH CIRCUIT TO NEW PANEL.

PANEL A (EXISTING) — FED FROM: ATS — LOCATION: MEZZANINE

NORMAL POWER — VOLTAGE: 120 / 240 V — 1-PHASE, 3-WIRE — SURFACE-MOUNTED

A/C: EXISTING — BUS RATING: 200 AMPS — MLO OR MCB: MLO 200 AMPS

CKT #	DESCRIPTION	CONN LOAD TYPE	CONN LOAD kVA	CKT TAG	CB AMPS/ #P	PH	CB AMPS/ #P	CKT TAG	CONN LOAD TYPE	CONN LOAD kVA	DESCRIPTION	CKT #
1	DOOR BELL SYSTEM	N	0.12		20 / 1	A	**50 / 2**	**50.2N**	K	8.80	**RANGE (NBV) (NOTE 4)**	2
3	REC - N SLEEP ROOM (EX)	R	1.26		20 / 1	B	"				"	4
5	REC - S SLEEP ROOM (EX) **(NOTE 5)**	R	0.90	**20.1**	20 / 1	A	**20 / 1**	**20.1**	K	1.50	**MICROWAVE (NBV) (NOTE 1,4)**	6
7	**REC - W SLEEP ROOM (N) (NOTE 3)**	R	0.90	**20.1**	20 / 1	B	**20 / 1**	**20.1**	K	1.80	**REC - REF (NBV) (NOTE 1, 4)**	8
9	LTG - SLEEP N ROOMS	L	0.62		20 / 1	A	**20 / 1**	**20.1**	K	1.20	**DISHWASHER (NBV) (NOTE 1, 4)**	10
11	**LTG - COMMON AREA S (NBV)**	L	0.17	**20.1**	**20 / 1**	B	**20 / 1**	**20.1**	K	0.17	**RANGEHOOD RH-1 (NBV) (NOTE 4)**	12
13	**REC - HALL, EXT NORTH (NBV)**	R	0.54	**20.1**	**20 / 1**	A	**20 / 1**	**20.1**	R	0.54	**REC - KITCHEN (NBV) (NOTE 4)**	14
15	**REC - INTERIOR RR (NBV)**	R	0.18	**20.1**	**20 / 1**	B	**20 / 1**	**20.1**	R	0.36	**REC - KITCHEN (NBV) (NOTE 4)**	16
17	SPACE					A	**30 / 2**	**30.2N**	N	5.76	**DRYER (NBV) (NOTE 4)**	18
19	SPACE					B					"	20
21	SPACE					A	**20 / 1**	**20.1**	N	1.20	**WASHER (NBV) (NOTE 1)**	22
23	SPACE					B	**20 / 1**	**20.1**	n	0.12	**FSD (NBV)**	24
25	SPACE					A					SPACE	26
27	SPACE					B					SPACE	28
29	SPACE					A					SPACE	30

		CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD	
L	= LIGHTING	0.79	kVA	125%		0.99	kVA
R	= RECEPTACLES	4.68	kVA	NEC 220.44		4.68	kVA
M	= MOTORS	0.00	kVA	100%		0.00	kVA
	PLUS 25% OF LARGEST MOTOR	0.00	kVA	25%		0.00	kVA
C	= CONTINUOUS	0.00	kVA	125%		0.00	kVA
N	= NON-CONTINUOUS	7.20	kVA	100%		7.20	kVA
K	= KITCHEN	13.47	kVA	70%		9.43	kVA

PANEL CONNECTED TOTAL: 26.14 kVA, 108.92 AMPS

PANEL DEMAND TOTAL: 22.80 kVA, 92.91 AMPS

NOTES:

A. SEE FEEDER AND BRANCH CIRCUIT SCHEDULE FOR CONDUIT AND CONDUCTOR INFORMATION PER CIRCUIT TAG.

PANEL B (EXISTING) — FED FROM: ATS — LOCATION: MEZZANINE

NORMAL POWER — VOLTAGE: 120 / 240 V — 1-PHASE, 3-WIRE — SURFACE-MOUNTED

A/C: EXISTING — BUS RATING: 200 AMPS — MLO OR MCB: MLO 200 AMPS

CKT #	DESCRIPTION	CONN LOAD TYPE	CONN LOAD kVA	CKT TAG	CB AMPS/ #P	PH	CB AMPS/ #P	CKT TAG	CONN LOAD TYPE	CONN LOAD kVA	DESCRIPTION	CKT #
1	REC - EAST APPARATUS RM (EX)	R	0.72		20 / 1	A	20 / 1		C	0.36	UNIT HEATER - APPARATUS RM (EX)	2
3	REC - WEST APP RM, FLAG LIGHT (EX)	R	0.72		20 / 1	B	20 / 2		M	1.84	AIR COMPRESSOR - MEZZANINE (EX)	4
5	REC - STORAGE RM (EX)	R	0.36		20 / 1	A					"	6
7	REC - DAY ROOM (EX)	R	0.90		20 / 1	B	20 / 2	**20.2N**	N	0.32	**HP 1 TO 4 (NBV) (NOTE 3)**	8
9	LTG - E APPARATUS RM (EX)	L	1.34		20 / 1	A					"	10
11	LTG - W APPARATUS RM (EX)	L	1.34		20 / 1	B	20 / 2	**20.2N**	C	3.00	**DH-1 (NBV) (NOTE 3)**	12
13	LTG - STORAGE/DAY RM (EX)	L	0.04		20 / 1	A					"	14
15	LTG - BLDG EXTERIOR (EX)	L	1.75		20 / 1	B	**45 / 2**	**50.2N**	N	8.64	**CU-1 (NBV) (NOTE 4)**	16
17	**BWH-1 - APP BAY RR (NBV)**	C	0.75	**20.1**	**20 / 1**	A					"	18
19	**REC - APP BAY RR, STORAGE (NBV)**	R	0.54	**20.1**	**20 / 1**	B	20 / 1		R	0.18	EAST - TRUCK DROP CORD (EX)	20
21	**REC - RADIO DESK (NBV)**	R	1.08	**20.1**	**20 / 1**	A	20 / 1		R	0.18	CENTER - TRUCK DROP CORD (EX)	22
23	**REC - RADIO DESK (NBV)**	R	0.72	**20.1**	**20 / 1**	B	20 / 1		R	0.18	WEST - TRUCK DROP CORD (EX)	24
25	SPACE ONLY					A	20 / 2			0.00	**SPARE (NOTE 2)**	26
27	SPACE ONLY					B					"	28
29	SPACE ONLY					A					SPACE ONLY	30

		CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD	
L	= LIGHTING	4.47	kVA	125%		5.59	kVA
R	= RECEPTACLES	5.58	kVA	NEC 220.44		5.58	kVA
M	= MOTORS	1.84	kVA	100%		1.84	kVA
	PLUS 25% OF LARGEST MOTOR	1.84	kVA	25%		0.46	kVA
C	= CONTINUOUS	4.11	kVA	125%		5.14	kVA
N	= NON-CONTINUOUS	8.96	kVA	100%		8.96	kVA
K	= KITCHEN	0.00	kVA	NEC 220.56		0.00	kVA

PANEL CONNECTED TOTAL: 24.97 kVA, 104.03 AMPS

PANEL DEMAND TOTAL: 27.57 kVA, 114.89 AMPS

NOTES:

A. SEE FEEDER AND BRANCH CIRCUIT SCHEDULE FOR CONDUIT AND CONDUCTOR INFORMATION PER CIRCUIT TAG.

PANEL C (NEW) — FED FROM: ATS — LOCATION: MEZZANINE

NORMAL POWER — VOLTAGE: 120 / 240 V — 1-PHASE, 3-WIRE — SURFACE-MOUNTED

A/C: MATCH EXISTING — BUS RATING: 200 AMPS — MLO OR MCB: MLO 200 AMPS

CKT #	DESCRIPTION	CONN LOAD TYPE	CONN LOAD kVA	CKT TAG	CB AMPS/ #P	PH	CB AMPS/ #P	CKT TAG	CONN LOAD TYPE	CONN LOAD kVA	DESCRIPTION	CKT #
1	REC - ELECT RM (EX) **(NOTE 6)**	R	0.18		**20 / 1**	A	**25 / 1**		M	1.66	APP BAY DOOR - EAST (EX) **(NOTE 6)**	2
3	REC - TELECOM (EX) **(NOTE 6)**	R	0.36		**20 / 1**	B	**25 / 1**		M	1.66	APP BAY DOOR - CENTER (EX) **(NOTE 6)**	4
5	**PROPANE WH-1 (NBV)**	N	0.84	**20.1**	**20 / 1**	A	**25 / 1**		M	1.66	APP BAY DOOR - WEST (EX) **(NOTE 6)**	6
7	**DCP - MEZZANINE (NBV)**	N	0.12	**20.1**	**20 / 1**	B	**20 / 1**		N	0.60	FACP (EX.) **(NOTE 6)**	8
9	**APP BAY RR FAN EF-2 - ATTIC (NBV)**	M	0.24	**20.1**	**20 / 1**	A	**20 / 1**		N	0.60	FACP (EX.) **(NOTE 6)**	10
11	**MOTORIZED DAMPERS (NBV)**	M	0.24	**20.1**	**20 / 1**	B	**20 / 1**		L	0.50	LTG - APP BAY (EX) **(NOTE 6)**	12
13	**REC - ROOF**	R	0.36	**20.1**	**20 / 1**	A	**20 / 1**		L	0.30	LTG - CORR, SLEEP RMS (EX) **(NOTE 6)**	14
15	FACP (EX) **(NOTE 6)**	N	0.60		**20 / 1**	B	**20 / 1**		L	0.10	LTG - ELECT RM (EX) **(NOTE 6)**	16
17	SPRKLER SYS AIR COMP (EX) **(NOTE 6)**	M	1.18		**20 / 1**	A	**20 / 1**			0.00	SPARE	18
19	**APP BAY FAN EF-1 - ROOF (NBV)**	M	1.66	**20.1**	**20 / 1**	B	**20 / 1**			0.00	SPARE	20
21	**SPARE**					A	**20 / 1**			0.00	SPARE	22
23	**ERV-1 - ROOF (NBV)**	N	1.73	**20.1**	**20 / 1**	B	**20 / 1**			0.00	SPARE	24
25	**DOOR SWITCH PWR SUPPLY (NBV)**	N	0.12	**20.1**	**20 / 1**	A					SPACE ONLY	26
27	**EXHAUST CAPTURE (7.5HP) (FUTURE)**	M	9.60	**50.2N**	**50 / 2**	B					SPACE ONLY	28
29	"					A					SPACE ONLY	30
31	SPACE ONLY					B					SPACE ONLY	32
33	SPACE ONLY					A					SPACE ONLY	34
35	SPACE ONLY					B					SPACE ONLY	36
37	SPACE ONLY					A					SPACE ONLY	38
39	SPACE ONLY					B					SPACE ONLY	40
41	SPACE ONLY					A					SPACE ONLY	42

		CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD	
L	= LIGHTING	0.90	kVA	125%		1.13	kVA
R	= RECEPTACLES	0.90	kVA	NEC 220.44		0.90	kVA
M	= MOTORS	17.95	kVA	100%		17.95	kVA
	PLUS 25% OF LARGEST MOTOR	9.60	kVA	25%		2.40	kVA
C	= CONTINUOUS	0.00	kVA	125%		0.00	kVA
N	= NON-CONTINUOUS	4.61	kVA	100%		4.61	kVA
K	= KITCHEN	0.00	kVA	NEC 220.56		0.00	kVA

PANEL CONNECTED TOTAL: 24.36 kVA, 101.50 AMPS

PANEL DEMAND TOTAL: 26.69 kVA, 112.44 AMPS

NOTES:

A. SEE FEEDER AND BRANCH CIRCUIT SCHEDULE FOR CONDUIT AND CONDUCTOR INFORMATION PER CIRCUIT TAG.

LOAD CALCULATIONS

Load Calculations :	**Sno7 FS #83 - ELECTRICAL SERVICE LOAD CALC**					
BUILDING LOADS						**120/240V**
	Load (KW)	**Power Factor**	**Total (KW)**	**Demand**	**kW**	**Amps**
EXISTING LOADS	(taken from 30 day metering of service: 8/4/2021-9/13/2021)					
Temp Metering by PUD (Peak)	15.25		15.25	125%	19.06	79.4
Existing Building Load Total					**19.1**	**79.4**
NEW ADDED LOADS						
Total Demand New Added Loads of Current Panel Schedules					46.6	194.2
					0.0	0.0
New Added Load Total					**46.6**	**194.2**
						120/240V
					kW	**Amps**
New Total Building Service					**65.7**	**273.6**
			Existing 400Amp service to remain			

EXISTING LOADS REFLECT LARGEST PEAK DEMAND READING DURING RECENT 30-DAY METERING CYCLE.
NEW LOADS REFLECT THE CUMMULATIVE TOTAL OF ALL NEW SYSTEMS AND NEW DEVICES BEING ADDED TO THE STATION.
EXISTING APPLAINCES THAT ARE BEING REPLACED "ONE FOR ONE" ARE NOT SHOWN IN NEW LOADS AS THEY ARE ALREADY CAPTURED IN THE EXISTING LOADS.

MECHANICAL/ PLUMBING EQUIPMENT CONNECTION SCHEDULE

MARK	DESCRIPTION	LOCATION	ELECTRICAL CHARACTERISTICS VOLTAGE/ PH	kW	HP (WATTS)	MCA	MOCP	ALTERNATE POWER	NOTES:
WH-1	PROPANE HOT WATER HEATER	MEZZANINE	120 / 1			7			
DCP	CIRC PUMP	MEZZANINE	120 / 1		(117)				
DH-1	DUCT HEATER	ATTIC	208 / 1	3					5
ERV-1	ENERGY RECOVERY VENTILATOR	ROOF	120 / 1			14.4	20		
EF-1	APP BAY FAN	ROOF	208 / 1		3/4				7
EF-2	MEZZANINE & APP BAY RESTROOM	ATTIC	120 / 1		1/10				3
RH-1	RANGE HOOD	KITCHEN	120 / 1			1.4			
			"						
CU-1	OUTDOOR VRF SYSTEM UNIT	EXTERIOR	208 / 1			36	45		1
HP-1	INDOOR VRF SYSTEM UNIT		208 / 1			0.63			2
HP-2	INDOOR VRF SYSTEM UNIT		208 / 1			0.24			2
HP-3	INDOOR VRF SYSTEM UNIT		208 / 1			0.24			2
HP-4	INDOOR VRF SYSTEM UNIT		208 / 1			0.24			2
FSDS	FIRE SMOKE DAMPERS	SEE PLANS	120 / 1						
M	MOTORIZED DAMPERS	SEE PLANS	120 / 1						

GENERAL NOTES:

A. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND CONNECT COMPLETE DISCONNECTS FOR ALL MECHANICAL AND PLUMBING EQUIPMENT PER CODE AND MANUFACTURERS' REQUIREMENTS; CONFIRM EXACT CONNECTION LOCATIONS AND REQUIREMENTS WITH EQUIPMENT PROVIDERS. COORDINATE FINAL LOCATION OF DISCONNECTS WITH ALL OTHER TRADES; DISCONNECT SHALL BE ACCESSIBLE AFTER ALL WORK IS COMPLETE. PROVIDE PERMANENT LABELS ON ALL DISCONNECTS IDENTIFYING EQUIPMENT AND PANEL-CIRCUIT SERVED. DISCONNECTS ACCESSIBLE TO THE GENERAL PUBLIC WILL BE LOCKABLE WITH TAMPER RESISTANT HARDWARE.

B. MOTOR STARTERS TO BE PROVIDED BY MC WHERE FACTORY MOUNTED CONTROLS ARE PROVIDED. VARIABLE FREQUENCY DRIVES ARE BY MC. ALL OTHER STARTERS WILL BE PROVIDED BY THE EC. EC TO COORDINATE STARTER REQUIREMENTS WITH THE MECHANICAL AND PLUMBING CONTRACTORS. THE EC SHALL INSTALL AND CONNECT COMPLETE ALL STARTERS AND VFDS PER CODE AND MANUFACTURERS' INSTRUCTIONS.

C. SEE ELECTRIC HEATER AND FAN SCHEDULE FOR EQUIPMENT TO BE PROVIDED BY ELECTRICAL CONTRACTOR.

NOTES:

1. UNIT PROVIDED BY OTHERS WITH CONTROL POWER SUPPLY UNIT. ELECTRICAL CONTRACTOR TO INSTALL AND CONNECT COMPLETE PER CODE AND MANUFACTURER'S INSTRUCTIONS. COORDINATE CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR.
2. UNIT TO BE PROVIDED BY OTHERS WITH INTEGRAL CONDENSATE PUMP. ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION REQUIREMENTS WITH MECHANICAL CONTRACTOR.
3. UNIT TO RUN CONTINUOUSLY. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT PER CODE AND PROJECT REQUIREMENTS.
4. UNIT TO BE PROVIDED BY OTHERS WITH VFDs ON SUPPLY AND EXHAUST FANS. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND INSTALL AND CONNECT COMPLETE AS REQUIRED PER CODE AND MANUFACTURER'S INSTRUCTIONS.
5. UNIT PROVIDED BY OTHERS WITH CONTROL TRANSFORMER, REMOTE ENABLE CONTROLS, DUCT-STAT AND MAGNETIC DISCONNECTING CONTACTS. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND INSTALL AND CONNECT COMPLETE PER CODE AND MANUFACTURER'S
6. UNIT PROVIDED BY OTHERS WITH REMOTE LINE VOLTAGE THERMOSTAT. ELECTRICAL CONTRACTOR TO INSTALL AND CONNECT COMPLETE PER CODE AND MANUFACTURER'S INSTRUCTION. COORDINATE EXACT LOCATION OF THERMOSTAT WITH MECHANICAL CONTRACTOR AND ARCHITECT.
7. UNIT PROVIDED BY OTHERS WITH LINE VOLTAGE MOTORIZED DAMPER. ELECTRICAL CONTRACTOR TO CONNECT COMPLETE PER CODE AND MANUFACTURER'S INSTRUCTION. SEE POWER PLANS FOR CIRCUITING. CONFIRM EXACT LOCATIONS WITH MECHANICAL CONTRACTOR.

ELECTRIC HEATER SCHEDULE

MARK	SERVES	MAKE	MODEL	KW	VOLT / PH	DIMENSIONS	NOTES
EWH-1	APP BAY RESTROOM	MARKEL	3320 SERIES	0.75	120 / 1	19.5"H x 14.125"L	1, 2, 3

NOTES:

1. CONFIRM EXACT LOCATION WITH ARCHITECT.
2. PROVIDE WITH INTEGRAL THERMOSTAT.
3. UNIT SHALL BE FULLY-RECESSED. MAINTAIN FIRE RATING OF WALL INSTALLATION WHERE APPLICABLE.

FEEDER/ CIRCUIT SCHEDULE

MARK	CONDUIT (#SETS) SIZE	AL OR CU	CONDUCTORS PER SET PHASE/ NEUTRAL (#) (QTY) SIZE	GROUND (1 PER SET UNO)
400.4	(2) 3-INCH	AL	(3) 250 KCMIL / (1) 250 KCMIL N	#1
400.3	(2) 3-INCH	AL	(3) 250 KCMIL	#1
350.4	(1) 4-INCH	AL	(3) 700 KCMIL / (1) 700 KCMIL N	#1
350.3	(1) 4-INCH	AL	(3) 700 KCMIL	#1
300.4	(1) 4-INCH	AL	(3) 500 KCMIL / (1) 500 KCMIL N	#2
300.3	(1) 4-INCH	AL	(3) 500 KCMIL	#2
250.4	(1) 3-INCH	AL	(3) 350 KCMIL / (1) 350 KCMIL N	#2
250.3	(1) 3-INCH	AL	(3) 350 KCMIL	#2
225.4	(1) 3-INCH	AL	(3) 300 KCMIL / (1) 300 KCMIL N	#2
225.3	(1) 3-INCH	AL	(3) 300 KCMIL	#2
200.4	(1) 3-INCH	AL	(3) 250 KCMIL / (1) 250 KCMIL N	#4
200.3	(1) 3-INCH	AL	(3) 250 KCMIL	#4
175.4	(1) 3-INCH	AL	(3) #4/0 / (1) #4/0 N	#4
175.3	(1) 3-INCH	AL	(3) #4/0	#4
150.4	(1) 2-INCH	AL	(3) #3/0 / (1) #3/0 N	#4
150.3	(1) 2-INCH	AL	(3) #3/0	#4
125.4	(1) 2-INCH	AL	(3) #2/0 / (1) #2/0 N	#4
125.3	(1) 2-INCH	AL	(3) #2/0	#4
100.4	(1) 2-INCH	AL	(3) #1/0 / (1) #1/0 N	#6
100.3	(1) 2-INCH	AL	(3) #1/0	#6
90.4	(1) 1.5-INCH	CU	(3) #2 / (1) #2 N	#8
90.3	(1) 1.5-INCH	CU	(3) #2	#8
80.4	(1) 1.5-INCH	CU	(3) #4 / (1) #4 N	#8
80.3	(1) 1.5-INCH	CU	(3) #4	#8
70.4	(1) 1.5-INCH	CU	(3) #4 / (1) #4 N	#8
70.3	(1) 1-INCH	CU	(3) #4	#8
60.4	(1) 1-INCH	CU	(3) #6 / (1) #6 N	#10
60.3	(1) 1-INCH	CU	(3) #6	#10
60.2N	(1) 1-INCH	CU	(2) #6 / (1) #6 N	#10
60.2	(1) 1-INCH	CU	(2) #6	#10
60.1	(1) 1-INCH	CU	(1) #6 / (1) #6 N	#10
50.4T	(1) 1-INCH	CU	(3) #6 / (1) #6 N	#8
50.4	(1) 1-INCH	CU	(3) #6 / (1) #6 N	#10
50.3	(1) 1-INCH	CU	(3) #6	#10
50.2N	(1) 1-INCH	CU	(2) #6 / (1) #6 N	#10
50.2	(1) 1-INCH	CU	(2) #6	#10
50.1	(1) 1-INCH	CU	(1) #6 / (1) #6 N	#10
40.4	(1) 1-INCH	CU	(3) #8 / (1) #8 N	#10
40.3	(1) 1-INCH	CU	(3) #8	#10
40.2N	(1) 1-INCH	CU	(2) #8 / (1) #8 N	#10
40.2	(1) 1-INCH	CU	(2) #8	#10
40.1	(1) 1-INCH	CU	(1) #8 / (1) #8 N	#10
30.4	(1) 1-INCH	CU	(3) #10 / (1) #10 N	#10
30.3	(1) 1-INCH	CU	(3) #10	#10
30.2N	(1) 1-INCH	CU	(2) #10 / (1) #10 N	#10
30.2	(1) 1-INCH	CU	(2) #10	#10
30.1	(1) 1-INCH	CU	(1) #10 / (1) #10 N	#10
20.4	(1) 1-INCH	CU	(3) #12 / (1) #12 N	#12
20.3	(1) 1-INCH	CU	(3) #12	#12
20.2N	(1) 1-INCH	CU	(2) #12 / (1) #12 N	#12
20.2	(1) 1-INCH	CU	(2) #12	#12
20.1	(1) 1-INCH	CU	(1) #12 / (1) #12 N	#12

NOTES:

A. AL= ALUMINUM (STABILOY CONDUCTORS WITH XHHW-2 INSULATION);
CU= COPPER (COPPER CONDUCTORS WITH THHN/THWN INSULATION).

B. FEEDERS RATED OVER 100 AMPS ARE BASED ON TERMINALS RATED FOR 75-DEGREES C (167-DEGREES F) AS PER NEC 110.14(C)(1). FEEDERS RATED 100 AMPS AND LOWER ARE BASED ON TERMINALS RATED FOR 60-DEGREES C (140-DEGREES F).

C. PROVIDE GROUND WIRE NOTED ABOVE IN ALL FEEDERS. WHERE MULTIPLE SETS OF PARALLEL CONDUIT ARE INDICATED, PROVIDE ONE GROUND WIRE IN EACH SET.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LUCE — STATE OF WASHINGTON — 43761 — REGISTERED PROFESSIONAL ENGINEER

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

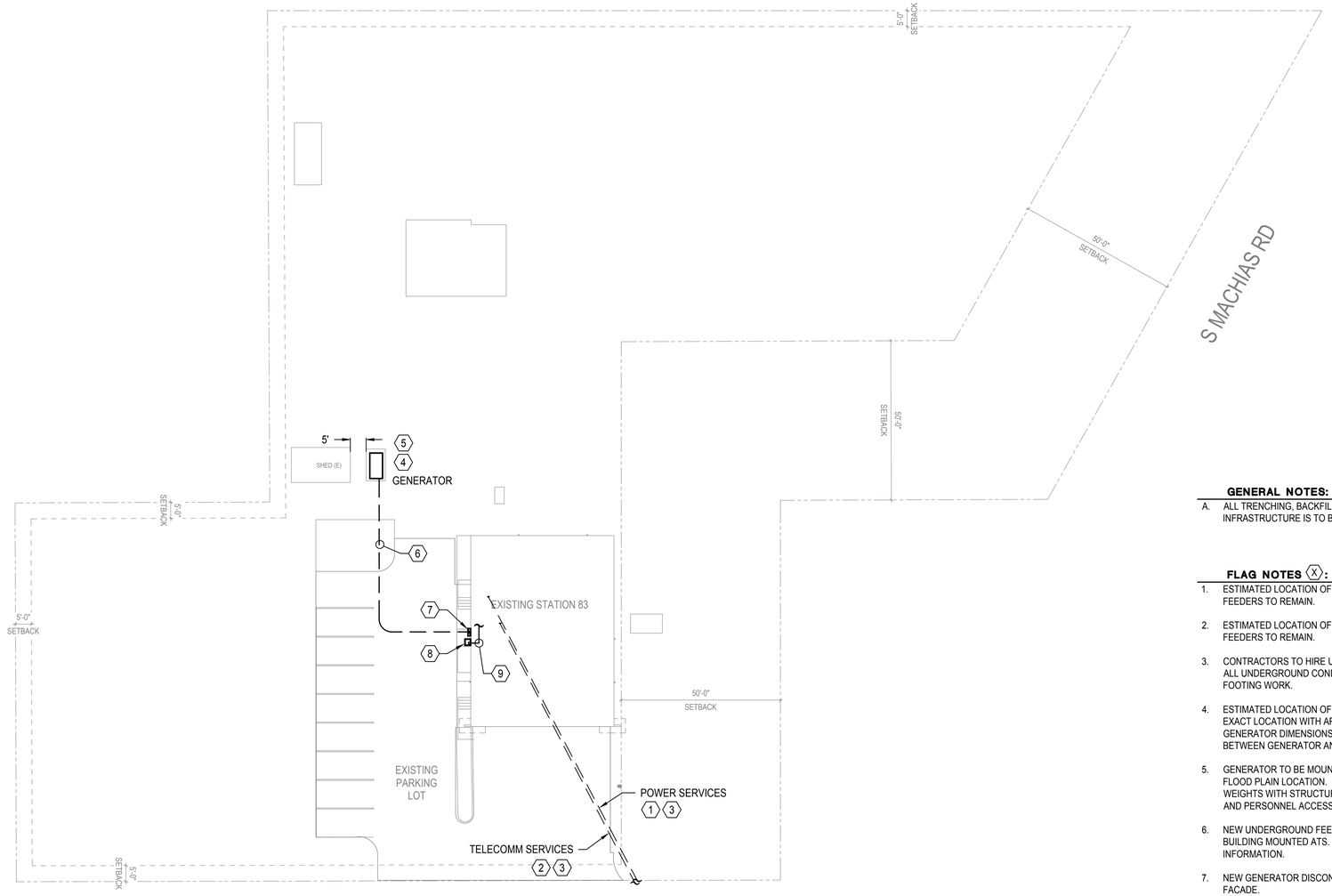
REVISION SCHEDULE

AHJ APPROVAL STAMP

SCHEDULES

SHEET #

E00.04



SITE PLAN - ELECTRICAL

SCALE: 1"=20'-0"

GENERAL NOTES:

A. ALL TRENCHING, BACKFILL, PAVING, ETC. NEEDED FOR SITE ELECTRICAL INFRASTRUCTURE IS TO BE PERFORMED BY THE GENERAL CONTRACTOR.

FLAG NOTES (X):

1. ESTIMATED LOCATION OF EXISTING UNDERGROUND ELECTRICAL SERVICE FEEDERS TO REMAIN.
2. ESTIMATED LOCATION OF EXISTING UNDERGROUND TELECOM SERVICE FEEDERS TO REMAIN.
3. CONTRACTORS TO HIRE UTILITY LOCATE SERVICES TO VERIFY LOCATIONS OF ALL UNDERGROUND CONDUITS PRIOR TO EXCAVATING FOR STRUCTURAL FOOTING WORK.
4. ESTIMATED LOCATION OF NEW PAD MOUNTED DIESEL GENERATOR. VERIFY EXACT LOCATION WITH ARCHITECT AND OWNER, BASED ON FINALIZED GENERATOR DIMENSIONS. MAINTAIN A MINIMUM OF 5-FEET CLEARANCE BETWEEN GENERATOR AND EXISTING STORAGE SHED.
5. GENERATOR TO BE MOUNTED AT ROUGHLY 4-FEET ABOVE GRADE DUE TO FLOOD PLAIN LOCATION. COORDINATE ALL GENERATOR DIMENSIONS AND WEIGHTS WITH STRUCTURAL FOR SIZING/DESIGNING EQUIPMENT PEDESTAL AND PERSONNEL ACCESS PLATFORM.
6. NEW UNDERGROUND FEEDERS FROM NEW GENERATOR ACROSS SITE TO BUILDING MOUNTED ATS. SEE SHEET E00.03 ONE-LINE FOR MORE INFORMATION.
7. NEW GENERATOR DISCONNECT SWITCH, TO BE WALL MOUNTED ON STATION FACADE.
8. NEW EXTERIOR RATED AUTOMATIC TRANSFER SWITCH (ATS) TO BE WALL MOUNTED ON STATION FACADE.
9. NEW FEEDERS FROM ATS TO PANEL BOARDS IN MEZZANINE ELECTRICAL ROOM. SEE SHEETS E00.03 & E21.01 ONE-LINE FOR MORE INFORMATION.

ALL INFORMATION SHOWN IN REGARDS TO THE EXISTING SYSTEMS AND INSTALLATION WAS TAKEN FROM AVAILABLE RESOURCES. THE CONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BIDS AND FIELD VERIFY ACTUAL CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT AND SHALL INCLUDE ALL WORK REQUIRED TO FULFILL THE PROJECT SCOPE BASED ON THE ACTUAL EXISTING CONDITIONS IN THEIR BID. INFORM ARCHITECT AND ENGINEER OF CONFLICTS.

DATE/ TIME PRINTED: 5/18/2021 10:36:48 AM
R:\2020\06 Snohomish FD 7 Station 83\4 Consultant_Backgrounds\210518 RFM Backgrounds\210518 Snohomish FD 7 Station 83 - 2020.rvt

RICEfergusMILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LUCE
STATE OF WASHINGTON
43761
REGISTERED PROFESSIONAL ENGINEER
FOR REVIEW

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

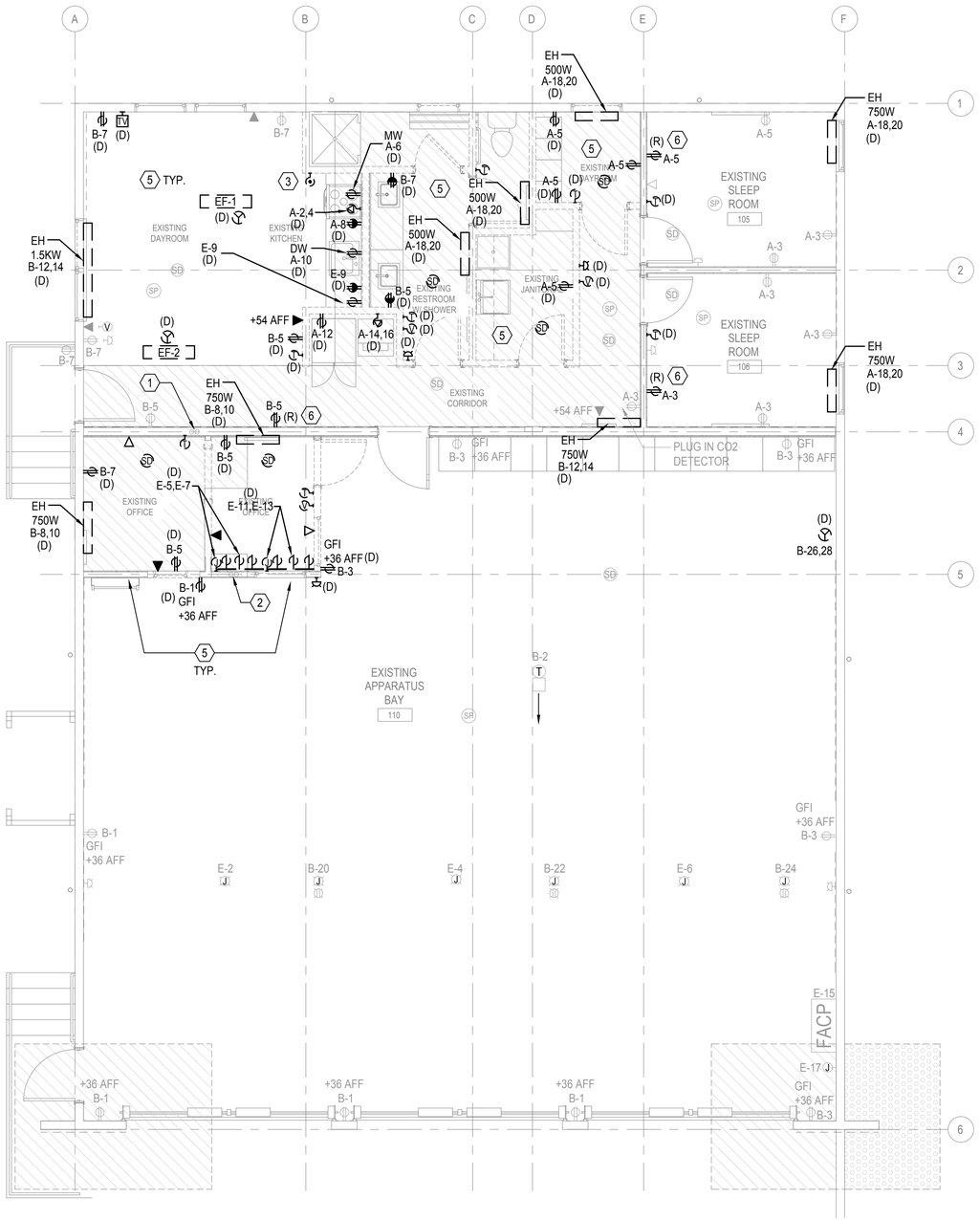
PROJECT # 20036
BID SET
ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

ELECTRICAL SITE PLAN

SHEET #
E10.01

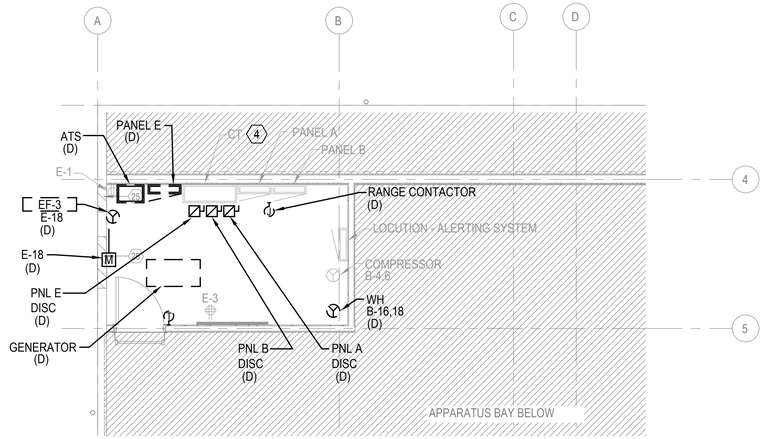


DEMOLITION FLOOR PLAN - LEVEL 1 - POWER

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

FLAG NOTES (X):

1. ESTIMATED LOCATION OF EXISTING ELECTRICAL SERVICE FEEDERS RUNNING UP TO MEZZANINE TO REMAIN.
2. ESTIMATED LOCATION OF EXISTING TELECOM SERVICE FEEDERS RUNNING UP TO MEZZANINE TO REMAIN.
3. DEMO EXISTING RANGE RESET PUSHBUTTON. MAINTAIN EXISTING LOW VOLTAGE WIRING TO BE RELOCATED TO NEW RESET BUTTON LOCATION COORDINATED WITH OWNER AND ARCHITECT.
4. CT TO REMAIN, REMOVE SERVICE DISCONNECTIONS. SEE NEW FLOOR PLAN AND RISER FOR NEW SERVICE DISCONNECTS
5. REMOVE ALL BRANCH CIRCUIT, LOW VOLTAGE AND FIRE ALARM DEVICES IN WALLS / ROOMS INDICATED TO BE DEMOLISHED. ALL EXISTING BRANCH CIRCUIT WIRING IS TO BE REMOVED BACK TO NEAREST REMAINING DEVICE OR CIRCUIT JUNCTION AND MADE SAFE. LOW VOLTAGE DEVICES AND WIRING ARE TO BE REMOVED PER DIRECTION OF THE OWNER'S IT DEPARTMENT. AS NEEDED IN SPACES BEING ALTERED. REPLACE WITH NEW PER CODE, OR AS DIRECTED BY OWNER OR ARCHITECT.
6. EXISTING RECEPTACLE TO BE REMOVED AND REPLACED. SEE SHEET E20.11 FOR DETAILS.



DEMOLITION FLOOR PLAN - MEZZANINE - POWER

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

ALL LOW VOLTAGE SYSTEMS ARE DESIGN-BUILD. SEE LOW VOLTAGE CONTRACTOR'S DRAWING SET FOR EQUIPMENT AND DEVICE QUANTITIES AND LOCATIONS.

ALL INFORMATION SHOWN IN REGARDS TO THE EXISTING SYSTEMS AND INSTALLATION WAS TAKEN FROM AVAILABLE RESOURCES. THE CONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BIDS AND FIELD VERIFY ACTUAL CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT AND SHALL INCLUDE ALL WORK REQUIRED TO FULFILL THE PROJECT SCOPE BASED ON THE ACTUAL EXISTING CONDITIONS IN THEIR BID. INFORM ARCHITECT AND ENGINEER OF CONFLICTS.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LUCE
STATE OF WASHINGTON
25761
REGISTERED
ARCHITECT
PROFESSIONAL ENGINEER
FOR REVIEW

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036
BID SET
ISSUE DATE JUNE 12, 2023

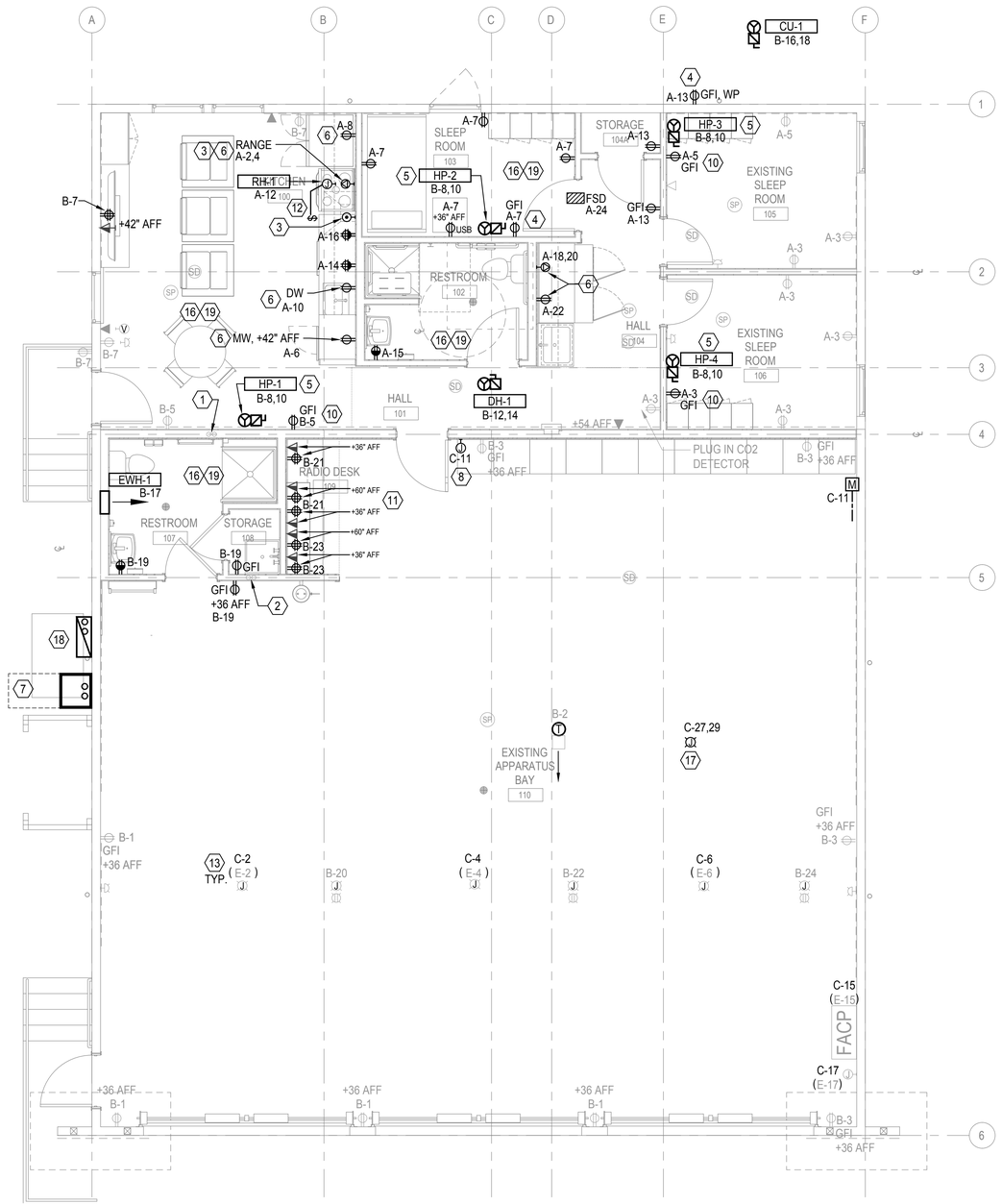
REVISION SCHEDULE		

AHJ APPROVAL STAMP

LEVEL 1 - DEMO PLAN
POWER

SHEET #
E20.01

DATE/ TIME PRINTED: 5/18/2021 10:36:48 AM
R:\2020\056 Snohomish FD 7 Station 83\4 Consultant_Background\s2105\18 RFM Backgrounds\21051B Snohomish FD 7 Station 83 - 2020.rvt



FLOOR PLAN - LEVEL 1 - POWER

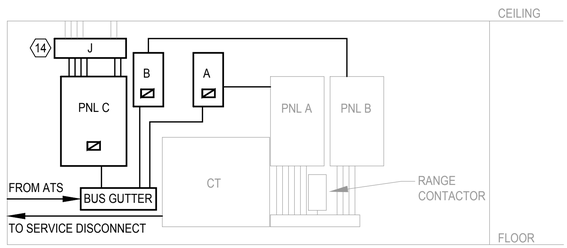
SCALE: 1/4"=1'-0"

ALL LOW VOLTAGE SYSTEMS ARE DESIGN-BUILD. SEE LOW VOLTAGE CONTRACTOR'S DRAWING SET FOR EQUIPMENT AND DEVICE QUANTITIES AND LOCATIONS.

ALL INFORMATION SHOWN IN REGARDS TO THE EXISTING SYSTEMS AND INSTALLATION WAS TAKEN FROM AVAILABLE RESOURCES. THE CONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BIDS AND FIELD VERIFY ACTUAL CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT AND SHALL INCLUDE ALL WORK REQUIRED TO FULFILL THE PROJECT SCOPE BASED ON THE ACTUAL EXISTING CONDITIONS IN THEIR BID. INFORM ARCHITECT AND ENGINEER OF CONFLICTS.

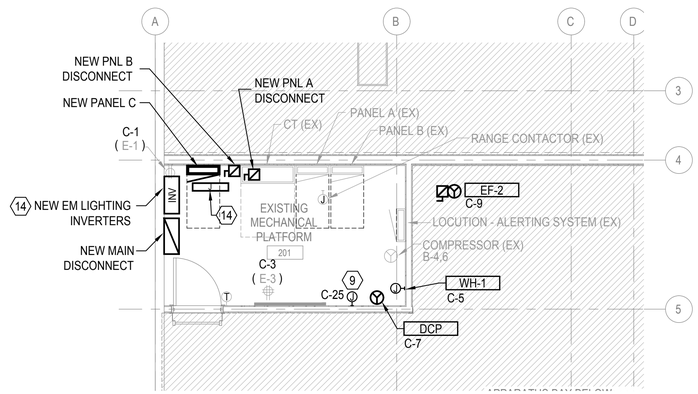
FLAG NOTES (X):

1. ESTIMATED LOCATION OF EXISTING UNDERGROUND ELECTRICAL SERVICE FEEDERS TO REMAIN.
2. ESTIMATED LOCATION OF EXISTING UNDERGROUND TELECOM SERVICE FEEDERS TO REMAIN.
3. AUTOMATIC APPLIANCE SHUT-OFF OF NEW ELECTRIC RANGE FROM STATION ALERTING SYSTEM. PROVIDE NEW SHUT-OFF RESET BUTTON AT KITCHEN COUNTER, EXTEND EXISTING SYSTEM WIRING AND CONNECT COMPLETE (BETWEEN EXISTING SYSTEM, NEW PUSH-BUTTON, AND RANGE CIRCUIT) PER MANUFACTURER'S INSTRUCTIONS AND FIRE DISTRICT STANDARDS.
4. INSTALL RECEPTACLES WITHIN 25 FT OF ALL MECHANICAL EQUIPMENT. FIELD VERIFY EXACT LOCATIONS WITH MECHANICAL CONTRACTOR.
5. AT EACH HEAT PUMP FAN COIL LOCATION, E.C. IS TO PROVIDE LINE VOLTAGE WIRING FROM FAN COIL UNIT TO ASSOCIATED CONDENSATE PUMP. VERIFY REQUIREMENTS AND LOCATIONS WITH MECHANICAL.
6. ALL SINGLE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 50 AMPS OR LESS, INSTALLED IN APPLICABLE LOCATIONS, PER 2020 NEC 210.8(B), TO BE PROVIDED WITH GFCI PROTECTION. SEE PANEL SCHEDULES ON E00.40 FOR GFCI PROTECTION AT CIRCUIT BREAKERS.
7. NEW WALL MOUNTED AUTOMATIC TRANSFER SWITCH. PROVIDE WITH NEMA 3R EXTERIOR RATED ENCLOSURE. CONDUITS TO BE RUN UP THE BUILDING EXTERIOR AND INTO THE ELECTRICAL MEZZANINE IN THE APP BAY. NEW CONDUITS TO BE PAINTED TO MATCH BUILDING FACADE. SEE SHEET E00.03 ONE-LINE FOR CONDUIT DETAILS.
8. PROVIDE 120V POWER CONNECTION TO MECHANICAL SENSORS IN APP BAY. VERIFY REQUIREMENTS AND LOCATIONS WITH MECHANICAL.
9. PROVIDE 120V POWER CONNECTION TO HVAC DOOR SWITCH TRANSFORMER, PROVIDED BY THE MECHANICAL CONTRACTOR, AND CONNECT COMPLETE PER MANUFACTURER'S INSTRUCTIONS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR. ALL ASSOCIATED LOW VOLTAGE WIRING, PATHWAY AND BOXES TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
10. REPLACE EXISTING RECEPTACLES WITH NEW GFI DEVICE TO PROVIDE MAINTENANCE DEVICE WITHIN 25-FEET OF MECHANICAL EQUIPMENT.
11. VERIFY ALL DEVICE LOCATIONS AT RADIO DESK WITH ARCHITECT AND CASEWORK DRAWINGS PRIOR TO ROUGH-IN.
12. MECHANICAL CONTRACTOR TO PROVIDE REMOTE RANGE HOOD SWITCH. ELECTRICAL CONTRACTOR TO PROVIDED WIRING AND PATHWAY AS NECESSARY TO INSTALL THE RANGE HOOD SWITCH TO THE FRONT FACE OF CABINETRY FOR ADA ACCESSIBLE ON/ OFF CONTROL. ELECTRICAL CONTRACTOR TO VERIFY EXACT LOCATION WITH ARCHITECT. ADDITIONAL INFORMATION PROVIDED ON SHEET M21.01.
13. EXISTING, TO REMAIN, BRANCH CIRCUITS FED FROM DEMO'D PANEL 'E' ARE TO BE RECONNECTED TO NEW PANEL 'C'. WHERE BOTH CIRCUIT DESIGNATIONS ARE SHOWN, THIS INDICATES THE REVISION TO THE EXISTING BRANCH CIRCUIT.
14. PROVIDE JUNCTION/ SPLICE BOX ABOVE NEW PANEL C. INTERCEPT EXISTING BRANCH CIRCUITS CURRENTLY CONNECTED TO DEMOLISHED PANEL E AND RE-FEED THEM TO NEW PANEL C.
15. PROVIDE EMERGENCY LIGHTING INVERTERS IN ELECTRICAL ROOM. SEE SHEET E31.01 FOR DETAILS ADDITIONAL INFORMATION.
16. PROVIDE NEW FIRE ALARM DEVICES IN NEW AND ALTERED SPACES AS REQUIRED BY CODE, FIRE MARSHAL, AND LOCAL AHJ. EXTEND EXISTING SYSTEM AS NEEDED FOR CONNECTIONS TO NEW DEVICES.
17. PROVIDE 50AMP, 120/240V, 1-PHASE DEDICATED CIRCUIT AT APP BAY CEILING FOR FUTURE CONNECTION TO VENDOR PROVIDED CAPTURE EXHAUST SYSTEM. BASIS OF DESIGN IS FOR A 7.5 HP EXHAUST SYSTEM. COORDINATE DIRECTLY WITH OWNER TO DETERMINE ROUGH-IN LOCATION ALONG WITH EXACT SYSTEM LOAD AND CONNECTION REQUIREMENTS. MAKE REVISIONS TO CIRCUITRY, BREAKER, ETC AS REQUIRED BY FINAL SYSTEM SELECTION.
18. GENERATOR DISCONNECT SWITCH MOUNTED TO BUILDING FACADE. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
19. PROVIDE NEW ALERTING SYSTEM NOTIFICATION DEVICE(S) IN NEW/MODIFIED DAY ROOM, SLEEPING ROOMS AND RESTROOMS. CONFIRM EXACT REQUIREMENTS WITH OWNER PRIOR TO DESIGN AND ROUGH-IN.



MEZZANINE NORTH WALL - EQUIPMENT ELEVATION PLAN

N.T.S.



FLOOR PLAN - MEZZANINE - POWER

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

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LUCE
STATE OF WASHINGTON
23761
REGISTERED
PROFESSIONAL ENGINEER

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

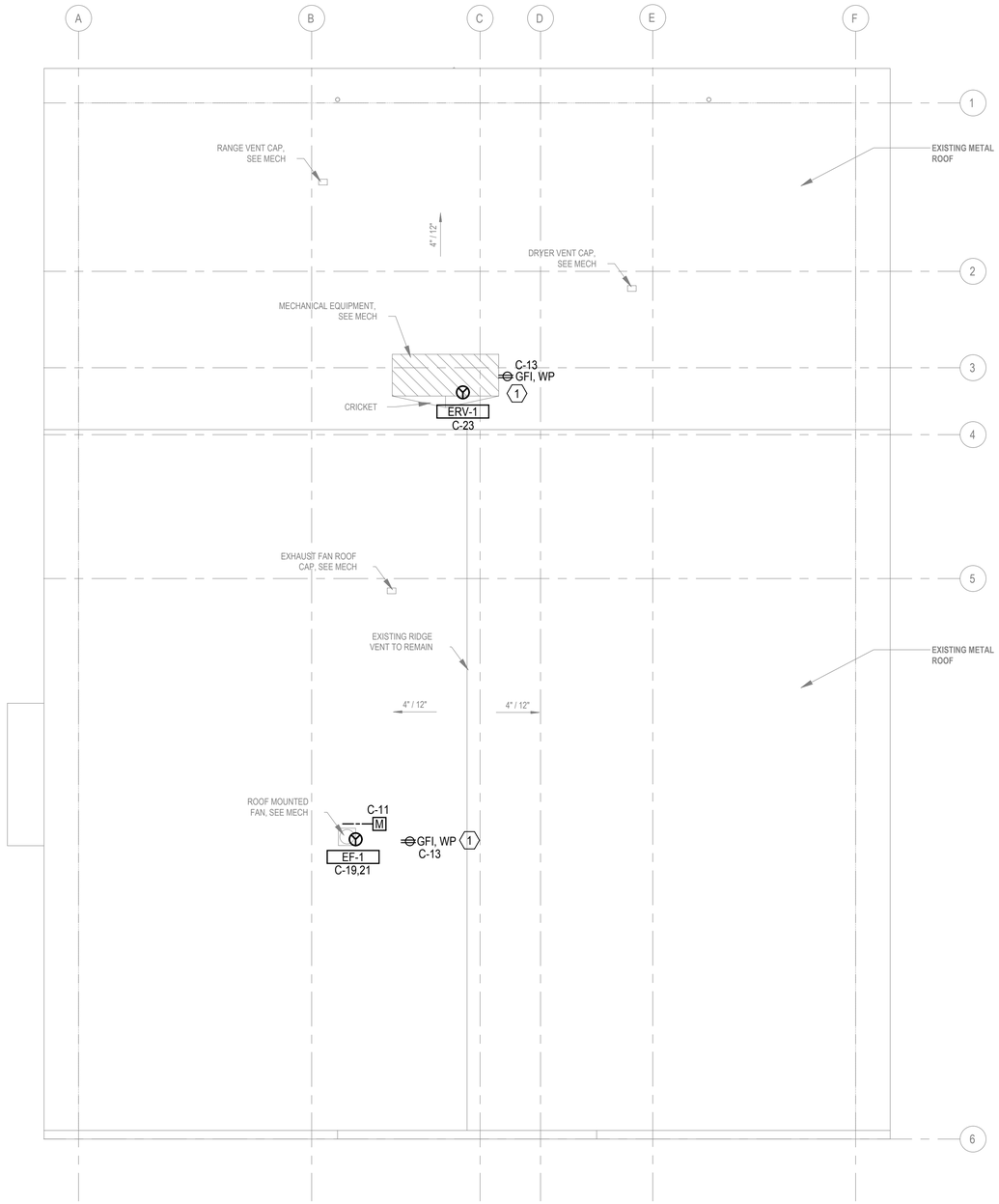
FLOOR PLAN AND MEZZANINE - LEVEL 1 POWER

SHEET #
E21.01

DATE/ TIME PRINTED: 5/18/2021 10:36:48 AM
R:\2020\036 Snohomish FD 7 Station 83\4 Consultant_Backgrounds\216518 RFM Backgrounds\216518 Snohomish FD 7 Station 83 - 2020.rvt

FLAG NOTES (X):

1. RECEPTACLES MOUNTED TO EQUIPMENT BRACING, SEE DETAIL #1 ON SHEET E40.00. RECEPTACLES SHALL BE WITHIN 25 FT OF ALL MECHANICAL EQUIPMENT, PER NEC 210.63. FIELD VERIFY EXACT LOCATIONS WITH MECHANICAL CONTRACTOR.



ROOF PLAN - POWER

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

ALL LOW VOLTAGE SYSTEMS ARE DESIGN-BUILD. SEE LOW VOLTAGE CONTRACTOR'S DRAWING SET FOR EQUIPMENT AND DEVICE QUANTITIES AND LOCATIONS.

ALL INFORMATION SHOWN IN REGARDS TO THE EXISTING SYSTEMS AND INSTALLATION WAS TAKEN FROM AVAILABLE RESOURCES. THE CONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BIDS AND FIELD VERIFY ACTUAL CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT AND SHALL INCLUDE ALL WORK REQUIRED TO FULFILL THE PROJECT SCOPE BASED ON THE ACTUAL EXISTING CONDITIONS IN THEIR BID. INFORM ARCHITECT AND ENGINEER OF CONFLICTS.

DATE/ TIME PRINTED:

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT #	20036
	BID SET
ISSUE DATE	JUNE 12, 2023

REVISION SCHEDULE		
1	PERMIT REVISIONS	11/14/22

AHJ APPROVAL STAMP

ROOF PLAN
POWER

SHEET #
E21.02

LIGHTING COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1

Project & Applicant Information	**Project Title**	Snohomish Regional Fire & Rescue (SRFR) Station 83 - 2018 WSEC	For Building Department Use: **Date: Sep 29, 2021**
	Project Address	13717 Division Street Snohomish, WA 98290	
	Applicant Name	Patricia Quist-Therson	
	Applicant Phone	863-452-1504	
	Applicant Email	pquist-therson@rfmarch.com	

For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

General Occupancy	Mixed Occupancy - Commercial + Group R building 3 stories or less		**General Building Use Type**		Public Services, Fire Station	**Building Cond. Floor Area**	9,441
General Project Types	Alteration	New Building or Addition Lighting Scope		**Alteration Lighting Scope**	Interior Lighting	**Project Cond. Floor Area**	9,441
						Floors Above Grade	1
						Compliance Method	Compliance Method 1 - General
Lighting Project Description	Retrofit existing interior luminaires with LED luminaires in remodeled spaces.						

Lighting Compliance Scope and Method	**Project Type**	**Interior / Exterior (interior includes both interior & parking)**	**Luminaire Replacement Scope**	**Compliance Method**	**LPA Calculation Adjustment**	**Compliance Verification**
	Alteration	Interior Lighting	50% or more replaced	Space by space	No Calculation Adjustments allowed	**COMPLIES**
	Alteration	Interior Lighting	less than 50% replaced		No Calculation Adjustments allowed	**COMPLIES**
Additional Efficiency Options Included						

Project Title	**Snohomish Regional Fire & Rescue (SRFR) Station 83 - 2018 WSEC**	**Date**	**Sep 29, 2021**
Lighting Power Calculation	**ALTERATION - INTERIOR LIGHTING (50% or more replaced)**	**Compliance Verification**	**COMPLIES**
Compliance Method	**Space by space**	**LPA Calculation Adjustment**	**none**

Interior Lighting Power Allowance - Space by Space

General Space Type	Specific Space Type	Ceiling Height (Ft)	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1)	Total Proposed Watts (LPD + Display LPD)	Compliance Status
Corridors	General		155	0.41	64		
Lounge/breakroom	General		264	0.59	156		
Office	Open plan		25	0.61	15		
Restroom	General		124	0.63	78		
Storage room	Less than 50 sf		12	0.51	6		
Fire station	Sleeping quarters		89	0.23	21		
				Proposed Total LPD		**262.5**	
	Totals				**339**	**262**	**COMPLIES**

Proposed Lighting Power Density

Fixture Type	Fixture ID	Quantity of Fixtures (#F)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures						
Horizontal surface-mount	L4	1	20			20
Horizontal surface-mount	L1	1	15			15
Horizontal surface-mount	L5	1	36			36

Horizontal surface-mount	L6	1	23			23
Recessed downlight	R1	3	10			30
Recessed downlight	R2	11	9			99
Wall-mounted	S1	1	5			5
Wall-mounted	L2	1	20			20
Wall-mounted	L3	1	15			15
					Proposed Total LPD	**262.5**

Project Title	**Snohomish Regional Fire & Rescue (SRFR) Station 83 - 2018 WSEC**	**Date**	**Sep 29, 2021**
Proposed Fixtures Details	**ALTERATION - INTERIOR LIGHTING (50% or more replaced)**		

Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	New or Existing-to-Remain
Individual Fixtures				
Horizontal surface-mount	L4	E31.01	LED	New
	Fixture Description: SURFACE MOUNTED ARCHITECTURAL LINEAR			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Horizontal surface-mount	L1	E31.01	LED	New
	Fixture Description: LED STRIP LIGHT - 2FT			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Horizontal surface-mount	L5	E31.01	LED	New
	Fixture Description: SURFACE MOUNTED LED TAPE LIGHT			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Horizontal surface-mount	L6	E31.01	LED	New
	Fixture Description: SURFACE MOUNTED LED TAPE LIGHT			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Recessed downlight	R1	E31.01	LED	New
	Fixture Description: RECESSED DOWNLIGHT - 5-INCH			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Recessed downlight	R2	E31.01	LED	New
	Fixture Description: RETROFIT DOWNLIGHT - 6-INCH			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Wall-mounted	S1	E31.01	LED	New
	Fixture Description: WALL MOUNTED SCONCE			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Wall-mounted	L2	E31.01	LED	New
	Fixture Description: WALL MOUNTED VANITY LIGHT - 4FT			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Wall-mounted	L3	E31.01	LED	New
	Fixture Description: WALL MOUNTED VANITY LIGHT - 3FT			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			

Project Title	**Snohomish Regional Fire & Rescue (SRFR) Station 83 - 2018 WSEC**	**Date**	**Sep 29, 2021**
Lighting Power Calculation	**ALTERATION - INTERIOR LIGHTING (less than 50% replaced)**	**Compliance Verification**	**COMPLIES**

Interior Lighting Power Allowance

Space Type	Existing Lighting Wattage Prior to Alteration	Total Watts Allowed	Proposed Lighting Total Watts By Building Area	Compliance Status
Existing Lighting	600	600		

Proposed Lighting Power Density - Spaces with less than 50% fixtures replaced

Fixture Type	Fixture ID	Quantity of	Watts or	Total Linear	Watts per Linear	Total Watts

		Fixtures (#F)	Wattage Limit per Fixture (WpF)	Foot (LF)	Foot (WpLF)	Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures						
Recessed downlight	R2	6	9			54
					Proposed Total LPD	**54**

Project Title	**Snohomish Regional Fire & Rescue (SRFR) Station 83 - 2018 WSEC**	**Date**	**Sep 29, 2021**
Proposed Fixtures Details	**ALTERATION - INTERIOR LIGHTING (less than 50% replaced)**		

Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	New or Existing-to-Remain
Individual Fixtures				
Recessed downlight	R2	E31.01	LED	New
	Fixture Description: RECESSED REMODEL RETROFIT - 6INCH			

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	LAMP / LUMENS COLOR TEMP CRI	BALLAST / DRIVER INFORMATION	TOTAL WATTS	VOLT	MOUNTING	BUG RATING	MANUFACTURER	CATALOG NUMBER (SEE NOTES: 1, 2, 3)	NOTES:
L1	LED STRIP LIGHT, 2-FT LENGTH, SURFACE OR CHAIN HUNG, ACRYLIC DIFFUSER	2000 LUMENS 3500K 80+	ELECTRONIC	15.0	120V	SURFACE		LITHONIA OR APPROVED EQUAL	ZL1N L24 1500LM FST 120 35K 80CRI WH	1,2
L2	WALL MOUNTED VANITY LIGHT, 4-FT LENGTH, FROSTED ACRYLIC DIFFUSER. SATIN WHITE FINISH.	3000 LUMENS 3500K 80+	ELECTRONIC	20.0	120V	WALL		ALW LIGHTING OR APPROVED EQUAL	NV3.5WD-S4-MED/80/3500K-0/10V/S-LENS-SW-UNV	1,2
L3	WALL MOUNTED VANITY LIGHT, 3-FT LENGTH, FROSTED ACRYLIC DIFFUSER. SATIN WHITE FINISH.	2000 LUMENS 3500K 80+	ELECTRONIC	15.0	120V	WALL		ALW LIGHTING OR APPROVED EQUAL	NV3.5WD-S3-MED/80/3500K-0/10V/S-LENS-SW-UNV	1,2
L4	SURFACE MOUNTED ARCHITECTURAL LINEAR LED FIXTURE, FROSTED DIFFUSER	3000 LUMENS 3500K 80+	0-10V DIMMING	20.0	120V	SURFACE		LITHONIA OR APPROVED EQUAL	LBL4 3000LM 80CRI 35K MIN1 ZT MVOLT	1,2
L5	SURFACE MOUNTED LED TAPE FIXTURE IN SURFACE MOUNTED ALUMINUM EXTRUSTION W/FROSTED DIFFUSER. PROVIDE (1) 7-FT & (1) 1-FT SECTIONS	360 LUMENS/FT 3500K 80+	ELECTRONIC	4.5 W/FT	120V	SURFACE		KLUS LIGHTING OR APPROVED EQUAL	CO758-A-FC-35-1275/1-12-85-AM-24-TBD-IP65	1,2
L6	SURFACE MOUNTED LED TAPE FIXTURE IN SURFACE MOUNTED ALUMINUM EXTRUSTION W/FROSTED DIFFUSER. PROVIDE 7.5-FT SECTION	240 LUMENS/FT 3500K 80+	ELECTRONIC	3.0 W/FT	120V	SURFACE		KLUS LIGHTING OR APPROVED EQUAL	CO758-A-FC-35-1210/2-12-90-AM-24-TBD-IP65	1,2
L7	LED STRIP LIGHT, 4-FT LENGTH, SURFACE MOUNTED, ACRYLIC DIFFUSER INTEGRAL EMERGENCY BATTERY PACK	2000 LUMENS 3500K 80+	ELECTRONIC	15.0	120V	SURFACE		LITHONIA OR APPROVED EQUAL	ZL1N L48 1500LM FST 120 35K 80CRI WH	1,2
R1	RECESSED DOWNLIGHT, LED SOURCE, 5 INCH APERATURE, LENSED, 45 DEGREE BEAM SPREAD, WET LABEL	900 LUMENS 3500K 80+	0-10V DIMMING	10.0	120V	RECESSED		JUNO LIGHTING OR APPROVED EQUAL	IC20LED G4 09LM 35K 90CRI 120 FRPC / 210N WH	1,2
R2	RECESSED REMODEL RETROFIT DOWNLIGHT, LED SOURCE, 6-INCH APERATURE, 45 DEGREE BEAM SPREAD, HYPERBOLIC OPTICAL SYSTEM	600 LUMENS 3500K 80+	0-10V DIMMING	9.0	120V	RECESSED		JUNO LIGHTING OR APPROVED EQUAL	IC22RLED G4 06LM 35K 90CRI 120 FRPC / 27HYP2 CWH	1,2
S1	WALL MOUNTED SCONCE WITH INTEGRAL ON/OFF SWITCH, WHITE FINISH	245 LUMENS 3000K 80+		5.0	120V	WALL		KUZCO LIGHTING OR APPROVED EQUAL	WS18901-WH	1,2

NOTES:

1. PROVIDE ALL PARTS, COMPONENTS, AND HARDWARE TO CONSTITUTE A COMPLETE INSTALLATION WITH OPTIONS INDICATED IN LUMINAIRE SCHEDULE. CATALOG NUMBERS FOR SUCH ITEMS ARE NOT INCLUDED IN SCHEDULE ABOVE.
2. COORDINATE ALL COLORS / FINISHES WITH ARCHITECT.
3. WHERE SWITCHING OF EMERGENCY LUMINAIRES IS INDICATED ON THE PLANS, PROVIDE UL 924 BYPASS DEVICES PER CODE REQUIREMENTS.
4. SEE LIGHTING PLANS FOR MOUNTING AND FACES / ARROWS AT EACH LOCATION.
5. SEE LIGHTING PLANS FOR MOUNTING.
6. CONFIRM ALL CEILING TYPES WITH ARCHITECT.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LIU STATE OF WASHINGTON 45761 REGISTERED PROFESSIONAL ENGINEER

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

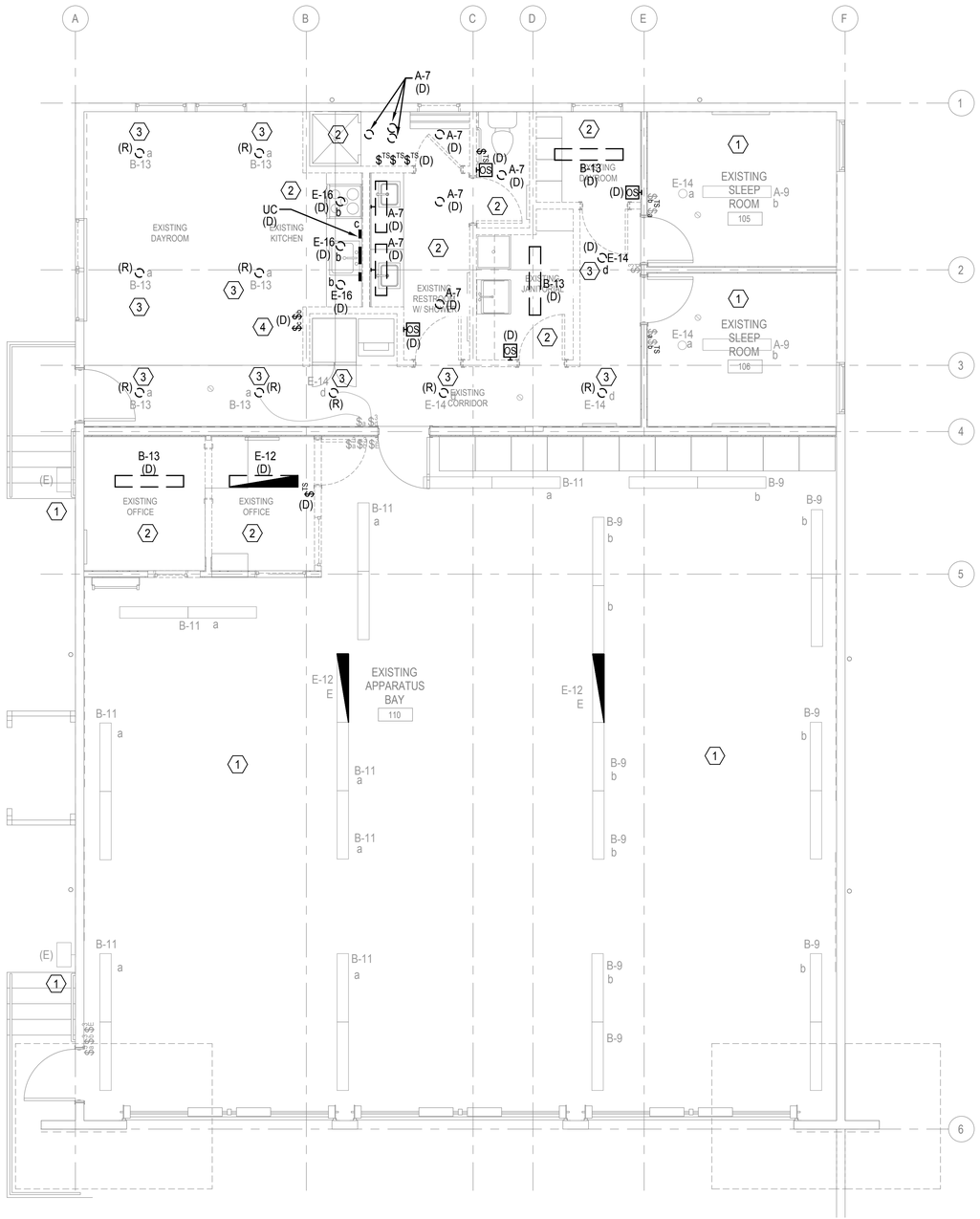
REVISION SCHEDULE		

AHJ APPROVAL STAMP

LIGHTING FIXTURE SCHEDULE & ENERGY CODE FORMS

SHEET #

E30.00



DEMOLITION FLOOR PLAN - LEVEL 1 - LIGHTING

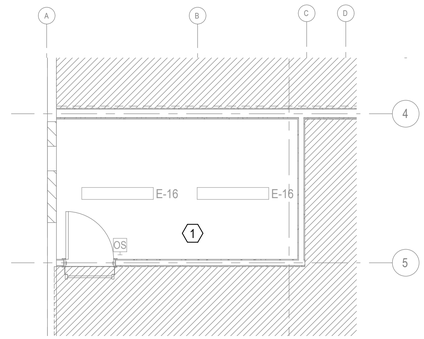
SCALE: 1/4"=1'-0"

GENERAL NOTES:

A. ALL EXISTING EXIT SIGNS ARE TO REMAIN. MAINTAIN ALL BRANCH CIRCUITRY TO EXIT SIGNS AS NECESSARY.

FLAG NOTES (X):

1. EXISTING LIGHTING FIXTURES, CONTROLS, AND BRANCH CIRCUITRY TO REMAIN.
2. DEMOLISH ALL EXISTING LIGHTING FIXTURES, CONTROLS, AND ASSOCIATED WIRING IN WALLS / ROOMS INDICATED TO BE DEMOLISHED. ALL EXISTING BRANCH CIRCUIT WIRING IS TO BE REMOVED BACK TO NEAREST REMAINING DEVICE OR CIRCUIT JUNCTION AND MADE SAFE.
3. WHERE DESIGNATED WITH '(R)', EXISTING LIGHTING FIXTURES ARE TO BE DEMOLISHED AND REPLACED WITH NEW REMODEL RETROFIT FIXUTRES. EXISTING WIRING AND CONTROLS TO REMAIN FOR CONNECTION TO NEW FIXTURES.
4. WALL WITH EXISTING LIGHTING SWITCHES FOR DAY ROOM IS TO BE DEMO'D. SWITCHES AND BOXES ARE TO BE REMOVED.



DEMOLITION FLOOR PLAN - MEZZANINE - LIGHTING

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

ALL INFORMATION SHOWN IN REGARDS TO THE EXISTING SYSTEMS AND INSTALLATION WAS TAKEN FROM AVAILABLE RESOURCES. THE CONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BIDS AND FIELD VERIFY ACTUAL CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT AND SHALL INCLUDE ALL WORK REQUIRED TO FULFILL THE PROJECT SCOPE BASED ON THE ACTUAL EXISTING CONDITIONS IN THEIR BID. INFORM ARCHITECT AND ENGINEER OF CONFLICTS.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LEE — STATE OF WASHINGTON — 43761 — REGISTERED PROFESSIONAL ENGINEER — FOR REVIEW ONLY

STATION 83

SNOHOMISH REGIONAL FIRE & RESCUE

13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

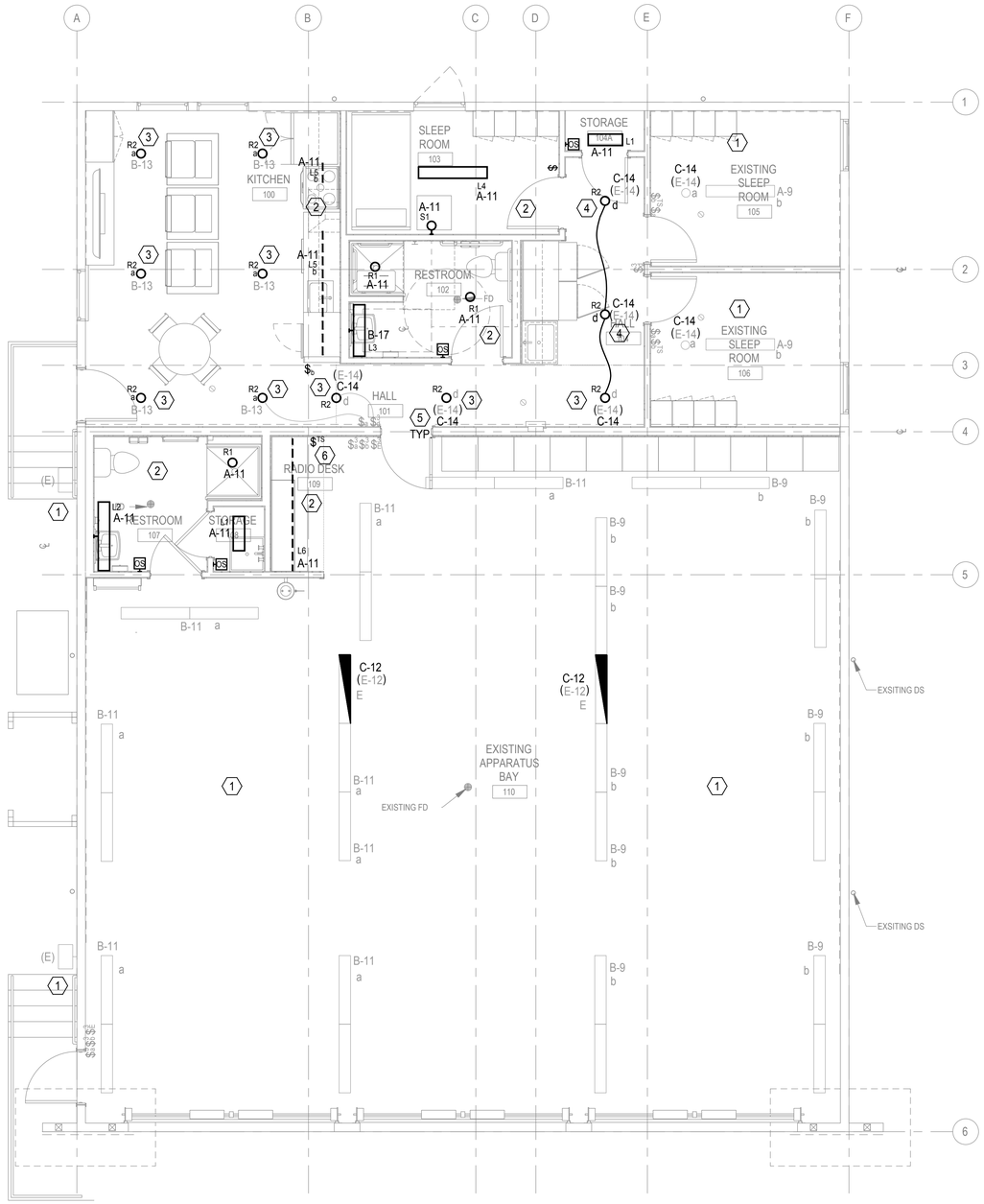
AHJ APPROVAL STAMP

LEVEL 1 - DEMO PLAN
LIGHTING PLAN

SHEET #

E30.01

DATE/ TIME PRINTED: 5/18/2021 10:36:48 AM
R:\2020\036 Snohomish FD 7 Station 83\4 Consultant_Background\dwl\210518 RFM Background\210518 Snohomish FD 7 Station 83 - 2020.rvt



FLOOR PLAN - LEVEL 1 - LIGHTING
SCALE: 1/4"=1'-0"

GENERAL NOTES:

A. ALL EXISTING EXIT SIGNS ARE TO REMAIN. MAINTAIN ALL BRANCH CIRCUITRY TO EXIT SIGNS AS NECESSARY.

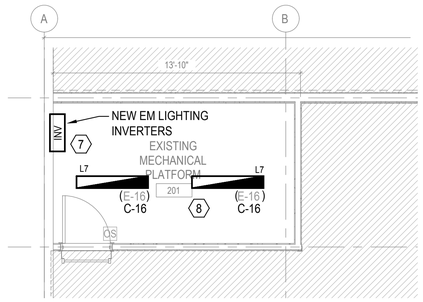
FLAG NOTES (X):

1. EXISTING LIGHTING FIXTURES, CONTROLS, AND BRANCH CIRCUITRY TO REMAIN.
2. PROVIDE NEW BRANCH CIRCUITRY AND CONTROLS TO NEW LIGHTING IN MODIFIED SPACES AS INDICATED.
3. CONNECT NEW REMODEL STYLE FIXTURE TO EXISTING BRANCH CIRCUITRY FROM PREVIOUSLY DEMO'D FIXTURE.
4. MODIFY EXISTING HALLWAY LIGHTING CIRCUIT TO FEED (2) NEW LIGHT FIXTURE LOCATIONS AND MAINTAIN EXISTING 3-WAY SWITCH CONTROL SCHEME.
5. EXISTING TO REMAIN, BRANCH CIRCUITS FED FROM DEMO'D PANEL 'E' ARE TO BE RECONNECTED TO NEW PANEL 'C'. WHERE BOTH CIRCUIT DESIGNATIONS ARE SHOWN, THIS INDICATES THE REVISION TO THE EXISTING BRANCH CIRCUIT.
6. PROVIDE MULTI-BUTTON DIGITAL TIME SWITCH FOR RADIO DESK TASK LIGHT (L6). BASIS OF DESIGN IS LEVITON #LTT60.
7. PROVIDE EMERGENCY LIGHTING INVERTERS IN ELECTRICAL ROOM FOR EGRESS LIGHTING CIRCUITS C-12 (INVERTER #1) & C-14 (INVERTER #2). CONTRACTOR TO VERIFY CIRCUIT LOADING BASED ON EXISTING CONDITIONS AND LIGHTING FIXTURE ALTERATIONS IN ORDER TO CONFIRM SIZE OF INVERTER. BASIS OF DESIGN IS: INVERTER 1 = IOTA #IIS 750 MODEL AND INVERTER 2 = IOTA# IIS 375 MODEL.
8. EXISTING FLUORESCENT STRIP LIGHTS IN ELECTRICAL MEZZANINE ARE TO BE REPLACED WITH NEW LED FIXTURES CONTAINING INTEGRAL EMERGENCY BATTERY PACKS FOR EMERGENCY LIGHTING OF THE ELECTRICAL ROOM. REMOVE EXISTING FIXTURES AND INSTALL NEW FIXTURES IN SAME LOCATION, CONNECTED TO THE EXISTING BRANCH CIRCUITRY AND OCCUPANCY SENSOR WALL SWITCH.

LIGHTING CONTROLS NARRATIVE :

CONTRACTOR TO PROVIDE A LIGHTING CONTROLS SYSTEM IN COMPLIANCE WITH THE 2018 WASHINGTON STATE ENERGY CODE. THE SYSTEM IS TO OPERATE IN THE FOLLOWING MANNER:

- ALL EXISTING LIGHTING FIXTURES AND CONTROLS IN UNMODIFIED AREAS ARE TO "EXISTING TO REMAIN" UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL NEW RESTROOMS AND STORAGE ROOMS WILL HAVE A LOCAL VACANCY SENSOR FOR AUTOMATIC ON AND OFF ACTIVATION OF FIXTURES.
- THE APP BAY AREA IS EXISTING TO REMAIN. THE EMERGENCY POWER SOURCE (PROPANE GENERATOR) IS BEING DEMOLISEHD AND REPLACED WITH BATTERY-POWERED EMERGENCY LIGHTING INVERTERS. THE EXISTING CIRCUIT TO THE EMERGENCY FIXTURES INDICATED IS TO BE CONNECTED TO THE NEW INVERTER AS INDICATED ON THE DRAWINGS. ALL OTHER APP BAY CONTROLS ARE TO REMAIN AS IT.
- THE MAIN DAYROOM LIGHTING SCHEME AND CONTROLS ARE TO REMAIN. THE EXISTING DOWNLIGHTS ARE TO BE REPLACED WITH NEW LED RETROFIT FIXTURES IN ORDER TO ACHIEVE ENERGY SAVINGS. THE RETROFIT FIXTURES ARE TO BE CONNECTED TO THE EXISTING BRANCH CIRCUIT AND ASSOCIATED WALL SWITCH.
- THE NEW DAY ROOM UNDER-CABINET FIXTURE IS TO BE CONNECTED TO THE EXISTING BRANCH CIRCUIT WITH A NEW ON/OFF WALL SWITCH.



FLOOR PLAN - MEZZANINE - LIGHTING
SCALE: 1/4"=1'-0"

ALL INFORMATION SHOWN IN REGARDS TO THE EXISTING SYSTEMS AND INSTALLATION WAS TAKEN FROM AVAILABLE RESOURCES. THE CONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BIDS AND FIELD VERIFY ACTUAL CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT AND SHALL INCLUDE ALL WORK REQUIRED TO FULFILL THE PROJECT SCOPE BASED ON THE ACTUAL EXISTING CONDITIONS IN THEIR BID. INFORM ARCHITECT AND ENGINEER OF CONFLICTS.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LUCAS — STATE OF WASHINGTON — 25761 — REGISTERED PROFESSIONAL ENGINEER — FOR REVIEW ONLY

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT #	20036
	BID SET
ISSUE DATE	JUNE 12, 2023

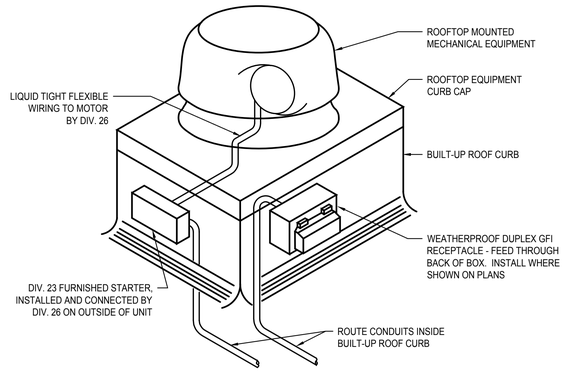
REVISION SCHEDULE		

AHJ APPROVAL STAMP

FLOOR PLAN
- LEVEL 1 LIGHTING

SHEET #
E31.01

DATE/ TIME PRINTED: 5/18/2021 10:36:48 AM
R:\20\20036\Snohomish FD 7 Station 83\4 Consultant_Backgrounds\210518 RFM Backgrounds\210518 Snohomish FD 7 Station 83 - 2020.rvt



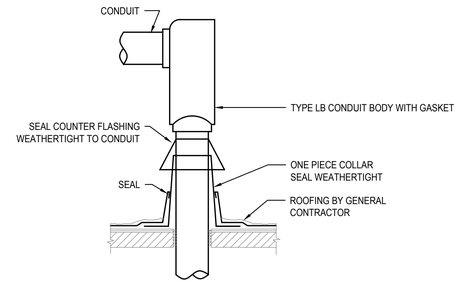
NOTES:

A. MAINTAIN CODE CLEARANCE IN FRONT OF ALL DISCONNECT SWITCHED AND JUNCTION BOXED. DO NOT BLOCK ACCESS PANELS, DOORS OR SERVICE/MAINTENANCE ACCESS.

B. ROUTE ALL CONDUIT (POWER AND CONTROLS) UP THROUGH EQUIPMENT CURB. SEAL CONDUITS TO PREVENT WATER ENTERING BUILDING.

C. ALL ROOF TOP ELECTRICAL EQUIPMENT SHALL BE LISTED FOR WET LOCATIONS.

1 ROOFTOP HVAC EQUIPMENT WIRING
N.T.S.

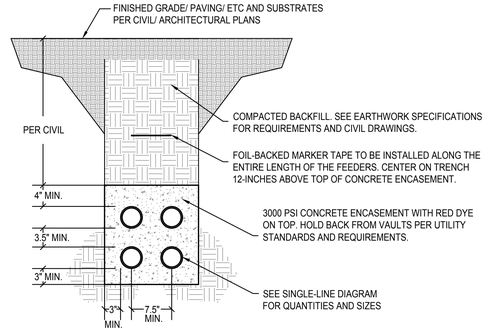


NOTES:

A. ELECTRICAL CONTRACTOR TO PROVIDE ARCHITECT/ROOFING CONTRACTOR APPROVED CONDUIT COLLAR AND FLASHING.

B. USE THIS DETAIL ONLY WHERE REQUIRED. STUB-UP THROUGH MECHANICAL EQUIPMENT ROOF CURBS WHEREVER POSSIBLE.

2 CONDUIT ROOF PENETRATION
N.T.S.

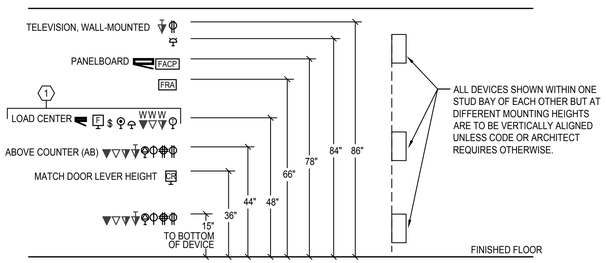


DETAIL NOTES:

A. SEE PLANS AND RISER DIAGRAMS FOR QUANTITIES AND SIZES OF CONDUIT AND CONDUCTORS.

B. ALL UTILITY INFRASTRUCTURE IS TO BE INSTALLED PER CODE AND UTILITY REQUIREMENTS.

3 CONCRETE ENCASED NON-UTILITY SECONDARY SERVICE FEEDERS
N.T.S.



DETAIL NOTES:

A. THIS DETAIL IS DIAGRAMMATIC AND MEANT TO SHOW GENERAL LOCATIONS ONLY; NOT ALL PARTS AND PIECES ARE SHOWN. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PARTS, PIECES, SUPPORTS, ETC REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.

B. MOUNTING HEIGHTS SHOWN IN THE ARCHITECTURAL DRAWING SET TAKE PRECEDENCE OVER THOSE SHOWN HERE UNLESS CODE REQUIRES OTHERWISE; SEE DRAWING A401. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING IN ANY DEVICES. INFORM ENGINEER AND ARCHITECT OF CONFLICTS.

C. MOUNTING HEIGHTS SHOWN HERE ARE TO THE TOP OF DEVICE BOXES UNLESS NOTED OTHERWISE.

D. WHERE DEVICES ARE SHOWN ON THE PLANS ABOVE DOORS, SAID DEVICES SHALL BE CENTERED HORIZONTALLY ON THE DOOR OPENING UNLESS OTHERWISE NOTED OR DIRECTED BY THE ARCHITECT.

E. ALIGN THE TOPS OF ALL BOXES INDICATED AS BEING INSTALLED MOUNTED AT THE SAME MOUNTING HEIGHT.

FLAG NOTES:

1. HEIGHTS INDICATED ARE FOR UNOBSTRUCTED REACH RANGE ONLY. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL HEIGHT RESTRICTIONS FOR RECEPTACLES, SWITCHES, TELECOM OUTLETS, ETC. ARCHITECTURAL MOUNTING HEIGHTS TAKE PRECEDENT OVER THOSE SHOWN ON THESE DRAWINGS UNLESS CODE REQUIRES OTHERWISE.

4 ELECTRICAL DEVICE MOUNTING
N.T.S.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

SIDER+BYERS
MECHANICAL + ELECTRICAL ENGINEERS
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

GEORGINNA M. LUCE
STATE OF WASHINGTON
23761
REGISTERED PROFESSIONAL ENGINEER
FOR REVIEW

STATION 83
SNOHOMISH REGIONAL FIRE & RESCUE
13717 DIVISION ST.
SNOHOMISH, WA 98290

PROJECT # 20036

BID SET

ISSUE DATE JUNE 12, 2023

REVISION SCHEDULE		

AHJ APPROVAL STAMP

DETAILS

SHEET #
E40.00