ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
LIGHTING	
	BOLLARD LIGHT FIXTURE
	CEILING FAN
	EMERGENCY BATTERY PACK
	REMOTE HEADS
	EXIT SIGN (SOLID FILL INDICATES FACE. ARROW INDICATES DIRECTION.)
	LIGHTING FIXTURES
	NOTE: REFER TO LIGHTING FIXTURE SCHEDULE SPECIFICATION FOR MODEL NUMBERS AND OPTIONS. SOLID FILL INDICATES EMERGENCY OR NIGHT EGRESS.
	EXTERIOR POLE MOUNTED HEAD (HEAD QTY INDICATED)
SWITCHES	
$	SINGLE POLE SWITCH
D $	SINGLE POLE DIMMER SWITCH
$	3-WAY SWITCH
$	4-WAY SWITCH
$	SINGLE POLE SWITCH WITH PILOT LIGHT
$$ $$$ $$$$	MULTI-GANGED SWITCH (QUANTITY SHOWN)
S P D	OCCUPANCY SENSOR (CEILING, WALL, DIMMER)
S	LIGHT SENSOR
P	PHOTO CELL
T	TIME CLOCK

SYMBOL	DESCRIPTION
POWER	
	TV/RECEPTACLE
	CONNECTION
J	JUNCTION BOX (CEILING/FLOOR, WALL)
P	POWER POLE
	MOTOR
	240V RECEPTACLE
	DUPLEX RECEPTACLE (CEILING, WALL, FLOOR)
AC	DUPLEX RECEPTACLE ABOVE COUNTER
H	HORIZONTAL DUPLEX RECEPTACLE
	EMERGENCY RECEPTACLE
	SPLIT RECEPTACLE
	GFCI RECEPTACLE
NL	LIT GFCI RECEPTACLE
	RECEPTACLE FOURPLEX (WALL, FLOOR)
SS	SURGE SUPPRESSION RECEPTACLE
	SINGLE RECEPTACLE (CEILING, WALL, FLOOR)
	SPECIAL RECEPTACLE (CEILING, WALL, FLOOR)
	CONTROL PANEL (TYPE DENOTED ON PLAN)
	CONDUIT
	CONDUIT BELOW GRADE
COMMUNICATIONS	
	SPEAKER
	TELEVISION OUTLET (CEILING, WALL)
CLNG	VOICE/DATA (CEILING, WALL, FLOOR)
	DATA
	VOICE
	WIRELESS ACCESS POINT
T	THERMOSTAT
	DATA RACK

SYMBOL	DESCRIPTION
FIRE ALARM	
	FIRE ALARM BELL W/ STROBE
	FIRE ALARM BELL
	FIRE ALARM BUZZER W/ STROBE
	FIRE ALARM BUZZER
	FIRE ALARM CHIME W/ STROBE
	FIRE ALARM CHIME
	FIRE ALARM HORN W/ STROBE (CEILING, WALL)
	FIRE ALARM HORN (CEILING, WALL)
	FIRE ALARM STROBE (CEILING, WALL)
F	FIRE ALARM SYMBOL (CEILING, WALL)
	FIRE ALARM PULL STATION SYMBOL
S	FIRE ALARM SPEAKER (CEILING, WALL)
	FIRE ALARM SPEAKER W/ HORN STATION SYMBOL
	FIRE ALARM SPEAKER W/ STROBE (CEILING, WALL)
S	SMOKE DETECTOR
CO S	COMBINATION SMOKE/CO DETECTOR
H S	PHOTOELECTRIC DETECTOR
DT S	DIALING TERMINAL
S	DUCT SMOKE DETECTOR
H	HEAT DETECTOR
	DOOR HOLDER
	SMOKE FIRE DAMPER
ANNOTATIONS	
S	BREAK
XX-XX	KITCHEN EQUIP
	MECHANICAL EQUIP
TYPE PANEL-CIRCUIT	PANEL/CIRCUIT
	KEY NOTE
1	REVISION

SYMBOL	DESCRIPTION
SYSTEMS	
	CAMERA
	PROX READER
	CARD READER
	ELECTRIC STRIKE
	MAGNETIC LOCK
	DOOR CONTACT
	PUSHBUTTON
	KEYPAD
	WALL INTERCOM
	CHIME/STROBE
NURSE CALL	
	NURSE CALL DOME LIGHT W/ LIGHT # INDICATED (CEILING, WALL)
	NURSE CALL CODE BLUE STATION
	NURSE CALL DUTY STATION
	NURSE CALL EMERGENCY STATION
	NURSE CALL HELP STATION
	NURSE CALL MASTER STATION
	NURSE CALL PATIENT STATION
	NURSE CALL STAFF STATION
	NURSE CALL WANDERGUARD STATION

NOT ALL SYMBOLS APPEAR ON DRAWINGS

Puyallup Fire Prevention:
Separate permit is required for fire alarm.

ELECTRICAL ABBREVIATIONS LIST

1P	1 POLE (2P, 3P, 4P, ETC.)
A	AMPERE
AC	ABOVE COUNTER OR AIR CONDITIONER
ACLG	ABOVE CEILING
ADO	AUTOMATIC DOOR OPENER
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT CIRCUIT INTERRUPTER
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
AMPL	AMPLIFIER
ANNUN	ANNUNCIATOR
APPROX	APPROXIMATELY
AQ-STAT	AQUASTAT
ARCH	ARCHITECT, ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BD	BOARD
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAB	CABINET
CAT	CATALOG
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
COMB	COMBINATION
CMPR	COMPRESSOR
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUATION OR CONTINUOUS
CONTR	CONTRACTOR
CONV	CONVECTOR
CP	CIRCULATING PUMP
CRT	CATHODE-RAY TUBE
CT	CURRENT TRANSFORMER
CTR	CENTER
CU	COPPER
DCP	DOMESTIC WATER CIRCULATING PUMP
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DPR	DAMPER
DS	SAFETY DISCONNECT SWITCH
DT	DOUBLE THROW
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EP	ELECTRIC PNEUMATIC
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXH	EXHAUST
EXP	EXPLOSION PROOF
FA	FIRE ALARM
FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FU	FUSE
FUDS	FUSED SAFETY DISCONNECT SWITCH
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTOR
GND	GROUND
GRS	GALVANIZED RIGID STEEL (CONDUIT)
GYP BD	GYPSUM BOARD
HOA	HANDS-OFF-AUTOMATIC SWITCH
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HWP	HYDRONIC WATER PUMP
IC	INTERRUPTING CAPACITY
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INCAND	INCANDESCENT
IR	INFRARED
I/W	INTERLOCK WITH
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KVAR	KILOVOLT-AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LOC	LOCATE OR LOCATION
LT	LIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LV	LOW VOLTAGE
MAX	MAXIMUM
MAG.S	MAGNETIC STARTER
M/C	MOMENTARY CONTACT
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDC	MAIN DISTRIBUTION CENTER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MFS	MAIN FUSED DISCONNECT SWITCH
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MMS	MANUAL MOTOR STARTER
MOA	MULTIOUTLET ASSEMBLY
MSP	MOTOR STARTER
PANELBOARD	
MSBD	MAIN SWITCHBOARD
MT	MOUNT
MT.C	EMPTY CONDUIT
MTS	MANUAL TRANSFER SWITCH
MTR	MOTOR, MOTORIZED
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFDS	NON-FUSED SAFETY DISCONNECT SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NPF	NORMAL POWER FACTOR
NTS	NOT TO SCALE
OH	OVERHEAD
OL	OVERLOADS
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSHBUTTON
PE	PNEUMATIC ELECTRIC
PED	PEDESTAL
PF	POWER FACTOR
PH	PHASE
PIV	POST INDICATING VALVE
PNL	PANEL
PP	POWER POLE
PR	PAIR
PRI	PRIMARY
PROJ	PROJECTION
PRV	POWER ROOF VENTILATOR
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE (CONDUIT)
PWR	POWER
QUAN	QUANTITY
RCPT	RECEPTACLE
REQD	REQUIRED
RM	ROOM
RSC	RIGID STEEL CONDUIT
RTU	ROOF TOP UNIT
SC	SURFACE CONDUIT
SEC	SECONDARY
SHT	SHEET
SIM	SIMILAR
S/N	SOLID NEUTRAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SP	SPARE
SR	SURFACE RACEWAY
SS	STAINLESS STEEL
SSW	SELECTOR SWITCH
S/S	STOP/START PUSHBUTTONS
STA	STATION
STD	STANDARD
SURF	SURFACE MOUNTED
SW	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
SYS	SYSTEM
TEL	TELEPHONE
TEL/DATA	TELEPHONE/DATA
TERM	TERMINAL
TL	TWIST LOCK
TR	TAMPER RESISTANT
T-STAT	THERMOSTAT
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TVTC	TELEVISION TERMINAL CABINET
TYP	TYPICAL
UC	UNDER COUNTER
UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UH	UNIT HEATER
UT	UNDERGROUND TELEPHONE
UTIL	UTILITY
UV	UNIT VENTILATOR OR ULTRAVIOLET
V	VOLT
VA	VOLT-AMPERES
VDT	VIDEO DISPLAY TERMINAL
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	WATT
W/	WITH
WG	WIRE GUARD
WH	WATER HEATER
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFR	TRANSFER
∠	ANGLE
@	AT
△	DELTA
'	FEET
"	INCHES
#	NUMBER
Ø	PHASE
C	CENTER LINE
P	PLATE

ELECTRICAL EQUIPMENT NAMING CONVENTION

- PANEL — LP01
- PANEL — HP01
- EMERGENCY LIFE SAFETY PANEL — ELSLP01
- EMERGENCY LEGALLY REQUIRED PANEL — ELRLP01
- EMERGENCY OPTIONAL STANDBY PANEL — EOSLP01
- DISCONNECT — DS01
- ELEV DISC — DV01
- ELEV DISC LIFE SAFETY — ELSDV01
- ELEV DISC LEGALLY REQUIRED — ELRDV01
- DISTRIBUTION PANEL — DP01
- KITCHEN PANEL — KP11
- POOL PANEL — PP01
- CAR CHARGING PANEL — EV01
- T — STEP DOWN TRANSFORMER (NON-UTILITY) — T01, ELST01, ELRT01, EOST01
- MAIN SWITCH BOARD — MSB01
- METER BANK (WITH TAP BOX OR MAIN SWITCH) — MB01
- AUTOMATIC TRANSFER SWITCH — ATS01, ELSATS01, ELRATS01, EOSATS01
- MANUAL TRANSFER SWITCH — MTS01, ELSMTS01, ELRMTS01

STANDARD IDENTIFICATION RULES

- 120/208V = LP
- 277/480V = HP
- FLOOR OR LEVEL, THEN COUNT DESIGNATION = LP01, LP11, LP12, ETC.
- BASEMENT OR LOWER LEVEL OF 9 STORY OR LESS = 01
- FIRST FLOOR OR FIRST LEVEL OF 10 PLUS STORIES = 011
- WING OR BUILDING DESIGNATION = A01, B01, ETC.
- ELS = LIFE SAFETY (NEC 700)
- ELR = LEGALLY REQUIRED (NEC 701)
- EOS = OPTIONAL STANDBY (NEC 702)

City of Puyallup
Building
REVIEWED FOR COMPLIANCE
RayC
01/17/2025
11:53:56 AM
CITY OF PUYALLUP STATE OF WASHINGTON
PRCNC20240424

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.
PRINT in COLOR and to SCALE.

Electrical approval is by WA labor and industries, separate electrical permits are required.

LIGHT FIXTURE SCHEDULE

IDENT	FIXTURE TYPE	MOUNTING	LAMPS	LENS, LOUVER, ETC.	MANUFACTURER'S CATALOG NUMBER	NOTES
U1	6" DISK LIGHT (UNIT LIGHT)	RECESSED	10W LED 1200 LUMENS 2700K	WHITE	ELITE: RL643-1000L/1300L-DIMTR/120-DIM/MVOLT-27K/30K/35K/40K/50K-90-WH OR APPROVED EQUAL	
U2	20" DECORATIVE (UNIT BED LIGHT)	SEMI-FLUSH	(3) 15W LED 2700K	WESTERN BRONZE & ETCHED GLASS (FROSTED)	QUOIZEL LIGHTING: ASHLAND QF12025WT OR APPROVED EQUAL	
U3	28" VANITY (UNIT BATHROOM)	SURFACE	(4) 8W LED 2700K	BRONZE	QUORUM LIGHTING: LANCASTER, 5287-4-86 OR APPROVED EQUAL	3
U4	NIGHT LIGHT (UNIT)	WALL	5.5W LED 3000K	WHITE	WAC LIGHTING: WL-LED140 OR APPROVED EQUAL	
U5	UNDERCABINET LIGHT	SURFACE	1.5W PER FOOT LED, 3000K	LED TAPE LIGHT	KICHLER - 4T11005S30WH OR APPROVED EQUAL	
U6	HEAT LAMP (UNIT BATHROOM)	RECESSED	250W	WHITE	BROAN - MODEL 161 OR APPROVED EQUAL	
C1	24" PENDANT (LOBBY/DAYROOM)	SURFACE	(5) 10W LED 2700K	VERIFY FINISH	MARIO CONTRACT: CC6570 OR APPROVED EQUAL	
C2	19" DECORATIVE (COMMON CORRIDOR)	SURFACE	(4) 10W LED 2700K	OLD BRONZE	QUOIZEL - CDT17190Z OR APPROVED EQUAL	
C3	36" PENDANT (DINING)	CEILING	32.5W LED 2815 LUMENS 3000K	WALNUT/FROSTED POLYMER	CERNO: PLURA PENDANT 06-230-36 OR APPROVED EQUAL	
C4	30" FLUSH MOUNT (PARLOR)	SURFACE	32.5W LED 2815 LUMENS 3000K	WALNUT/FROSTED POLYMER	CERNO: PLURA FLUSH 08-100-30-W-F-30 OR APPROVED EQUAL	
C5	18" PENDANT (LINK ENTRY)	SURFACE	(3) 10W LED 2700K	DISTRESSED BLACK	KICHLER: ELBUR COLLECTION, #42644DBK OR APPROVED EQUAL	
C6	36" PENDANT (CHAPEL)	SURFACE	(1) 50W LED 3685 LUMENS	VERIFY FINISH	LIGHTOLOGY - GRACE TLG813004 OR APPROVED EQUAL	9
C7	23 VANITY (RESTROOM)	WALL	(3) 8W LED 2700K	VINTAGE BRONZE	MINKA LAVERY: 6963-284 OR APPROVED EQUAL	3
C8	GLASS PANEL (CHAPEL)	SURFACE	1.5W PER FOOT LED, 3000K	LED TAPE LIGHT	DSA SIGNAGE: LPS OR APPROVED EQUAL	
C9	LED EYEBALL (LOBBY)	RECESSED	10.6W 700 LUM 2700K	WHITE TRIM	HALO: H7ICATNB LITHONIA: 6G1 OR APPROVED EQUAL	
C10	46" FLUSH MOUNT (PARLOR)	SURFACE	32.5W LED 2815 LUMENS 3000K	WALNUT/FROSTED POLYMER	CERNO: PLURA FLUSH 08-100-30-W-F-46 OR APPROVED EQUAL	
C13	16" LINEAR PENDANT (CORRIDOR E0107)	SURFACE	120W 3000K	BLACK	AFX LIGHTING: AFX2180385 OR APPROVED EQUAL	
C14	4" SCONCE (WELLNESS)	WALL	10W 800 LUMENS 3000K	HAZEL BRONZE	HUNZE LIGHTING: CALETTA LED MINI PENDANT 6NHC2150412 OR APPROVED EQUAL	
C15	30"X42" LIGHTED MIRROR (LOCKER RM)	WALL	15W 604 LUMENS 3000K	MIRROR	INTEGRITY LIGHTED MIRROR: 30"X42" LIGHTED MIRROR OR APPROVED EQUAL	
C16	TAPE LIGHT (UNIT ENTRY)	SURFACE		TAPE LIGHT IN TRACK	KICHLER: #4T11005S30WH OR APPROVED EQUAL	
C17	48" LINEAR (CORRIDOR)	RECESSED	15W 3000K 3200 LUMENS	TITANIUM SILVER	LEDALITE: 2901LBEQN-4-7-MVOLT-E-T-A48" OR APPROVED EQUAL	
C18	LINEAR (CONF. RM.)	SURFACE	43W 3000K 4767 LUMENS	WHITE TRIM	CORELITE IRIDIUM: I3-WL SERIES OR APPROVED EQUAL	
C19	POOL FIXTURE	PENDANT	TBD	TBD	TBD	
AA	9" EXTERIOR SCONCE (MAIN ENTRIES)	WALL	12W LED	BROWN OIL RUBBED FINISH	HINKLEY LIGHTING: MANHATTAN 2234OZ OR APPROVED EQUAL	
BB	11" EXTERIOR SCONCE (RETAIL)	WALL	(1) 12W LED	BROWN OIL RUBBED FINISH	HINKLEY LIGHTING: MANHATTAN 2235OZ OR APPROVED EQUAL	
CC	6" DOWNLIGHT (CORRIDOR)	RECESSED	16W LED 1235 LUMENS 4000K	WHITE	HALO: SMD6 OR APPROVED EQUAL	
A	2X4 FLAT PANEL (STORAGE)	RECESSED	58W LED 8000 LUMENS 2700K	LENS	EATON: 24FP5827C9 OR APPROVED EQUAL	
A1	2X4 DIRECT/INDIRECT (THERAPY)	RECESSED	45W 8000 LUMENS 2700K	BASKET	EATON: 24CZ-39-UNV-L827-CD-U OR APPROVED EQUAL	
B	2X2 DIRECT/INDIRECT (OFFICE)	RECESSED	33W 4400 LUMENS 2700K	BASKET	EATON: 22CZ-39-UNV-L827-CD-U OR APPROVED EQUAL	1
D	6" DOWNLIGHT (CORRIDOR)	VARIES	LED 1000-4000 LUMENS	WHITE FINISH	ELITE: RL643-1000L/1300L-DIMTR/120-DIM/MVOLT-27K/30K/35K/40K/50K-90-WH OR APPROVED EQUAL	
D1	4" DOWNLIGHT (UNIT ENTRY)	RECESSED	10W LED 600 LUMENS 2700K	WHITE	ELITE: RS475L-SL-CCT OR APPROVED EQUAL	
E	EXIT SINGLE FACE	SURFACE CEILING/ WALL	LED INCLUDED	WHITE FINISH & GREEN LETTERS (MATCH EXISTING)	EATON: APX7G OR APPROVED EQUAL	11,12
E1	EXIT DOUBLE FACE	SURFACE CEILING/ WALL	LED INCLUDED	WHITE FINISH & GREEN LETTERS (MATCH EXISTING)	EATON: APX7G OR APPROVED EQUAL	11,12
EM1	EMERGENCY LIGHT (BUG EYES)	WALL	LED INCLUDED	WHITE	LITHONIA: EU2C-B OR APPROVED EQUAL	2
H	4' LED STRIP	SURFACE CEILING	43W 4600 LUM 4000K	WHITE FINISH	METALUX : 4ST2L4040R OR APPROVED EQUAL	
H1	8' LED STRIP	SURFACE CEILING	78W 9000 LUM 4000K	WHITE FINISH	METALUX : 8ST2L4040R OR APPROVED EQUAL	
J	NOT USED					
K	LIGHTRUSS RAIL (POOL)	SUSPENDED	LED 30W	WHITE	LIGHTRUSS RAIL: LRU12078 OR APPROVED EQUAL	
M	STAIR LIGHT	SURFACE WALL	54W 6000 LUM 3000K	WHITE FINISH & ACRYLIC LENS	METALUX LIGHTING: PDR102170-45WLED-60IB, LW-UNV-L830-CB-SVPD1-U OR APPROVED EQUAL	1
N	48" ELEVATOR PIT	SURFACE WALL	52W 4000LUM 3000K	WHITE FINISH, RIBBED FROSTED LENS	EATON: 4VT3-LD5-6-G-UNV-L840-CD-U OR APPROVED EQUAL	

GENERAL NOTES:

A. CONNECT UNDER COUNTER LIGHTS TO THE NEAREST 120V NORMAL CIRCUIT.
B. CONFIRM FIXTURE FINISHES WITH ARCHITECT PRIOR TO SHOP DRAWING SUBMITTAL.
C. ELECTRICAL CONTRACTOR TO VERIFY UNDERCOUNTER LENGTH WITH ARCHITECT & CABINET SUPPIER.
D. EQUAL LIGHTING ASSEMBLIES SHALL BE PROVIDED WITH LAMP AND PHOTOMETRICS TO MATCH THOSE SPECIFIED.
E. COORDINATE ALL RECESSED LIGHTING ASSEMBLIES WITH CEILING TYPE. PROVIDE FLANGE KITS AS REQUIRED.
F. ALL LED LAMP WATTS & LUMENS ARE LISTED BASED ON DESIGN REQUIREMENTS.
G. ALL LAMPS SHALL BE LED UNLESS SPECIFICALLY NOTED OTHERWISE.
H. ASSEMBLIES LISTED WITH MEDIUM BASE SOCKETS SHALL BE PROVIDED WITH A19 SERIES LED LAMPS CREE LIGHTING.
I. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LAMPS FOR EACH LIGHTING ASSEMBLY AS SCHEDULED & SPECIFIED.
J. INSTALL CENTER BASKET PERPENDICULAR TO CORRIDOR WALLS, WHEN LOCATED IN CORRIDORS.
K. VERIFY EXACT PENDANT LENGTH WITH ARCHITECT PRIOR TO ORDERING.
L. FIELD COORDINATE EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN.

SPECIFIC NOTES:

1. PROVIDE WITH INTEGRAL OCCUPANCY SENSOR TO REDUCE LIGHT TO MINIMUM WHEN UNOCCUPIED.
2. PROVIDE ASSEMBLY FOR 1.5 HOUR MINIMUM OPERATION FOR LOAD SERVED.
3. PROVIDE ASSEMBLY MOUNTED ABOVE MIRROR WITH SHADES MOUNTED DOWN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN WITH ARCHITECTUAL.
4. PROVIDE CONNECTION TO A LIFE SAFETY UNSWITCHED HOT CIRCUIT.

ELECTRICAL DRAWINGS SCHEDULE

SHEET	DESCRIPTION
E0.0	ELECTRICAL TITLE SHEET
E1.0A	LEVEL 0 LIGHTING PLAN NORTH
E1.1A	LEVEL 1 LIGHTING PLAN NORTH
E1.1B	LEVEL 1 LIGHTING PLAN SOUTH
E2.0A	LEVEL 0 POWER & SYSTEMS PLAN NORTH
E2.1A	LEVEL 1 POWER & SYSTEMS PLAN NORTH
E2.1B	LEVEL 1 POWER & SYSTEMS PLAN SOUTH
E2.2A	ELECTRICAL ROOF PLAN NORTH
E2.2B	ELECTRICAL ROOF PLAN SOUTH
E3.0	ELECTRICAL UNITS
E4.0	ELECTRICAL RISERS
E5.0	ELECTRICAL PANEL SCHEDULES
E5.1	ELECTRICAL PANEL SCHEDULES
ME1.0	MECHANICAL EQUIPMENT SCHEDULES
ME1.1	MECHANICAL EQUIPMENT SCHEDULES

IBC 1705.17 Fire-resistant penetrations and joints. In high-rise buildings or in buildings assigned to Risk Category III or IV, special inspections for through-penetrations, mbrane penetration firestops, fire-resistant joint systems and perimeter fire barrier systems that are tested and listed in accordance with Sections 714.4.1.2, 714.5.1.2, 715.3 and 715.4 shall be in accordance with Section 1705.17.1 or 1705.17.2.

Separate electrical permit is required with Washington State Department of Labor & Industries.
https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections or
Licensing information: Call 1-800-647-0982

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Signature
Richard D. Becker
Typed or Printed Name
Electrical — Discipline
12/02/24 — Date

WESLEY BRADLEY PARK PHASE 2 - CARE CENTER

707 39TH AVENUE SE
PUYALLUP, WA 98374

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

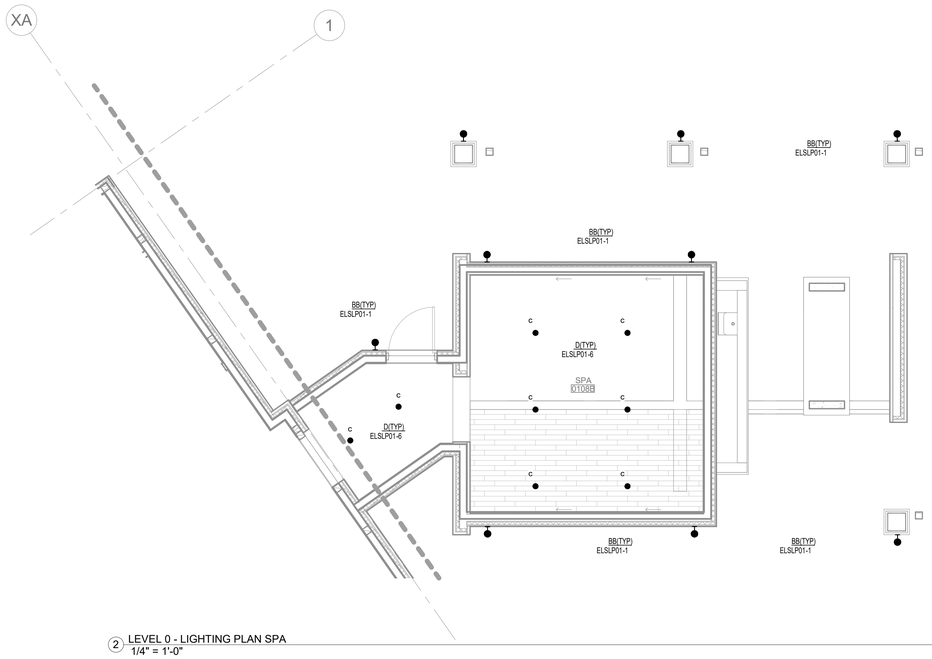
No.	Description	Date

ISA202201
PROJECT NUMBER
DJL — DRAWN BY
JLA — CHECKED BY

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

ELECTRICAL TITLE SHEET
E0.0

AW 13:1:9 2202/2/21



2 LEVEL 0 - LIGHTING PLAN SPA
1/4" = 1'-0"

GENERAL ELECTRICAL LIGHTING NOTES

A. CONTROL CORRIDOR LIGHT FIXTURES VIA LOCAL CONTROL AT NURSE STATION OR AREA'S WITH OCCUPANCY SENSOR UNLESS NOTED OTHERWISE.

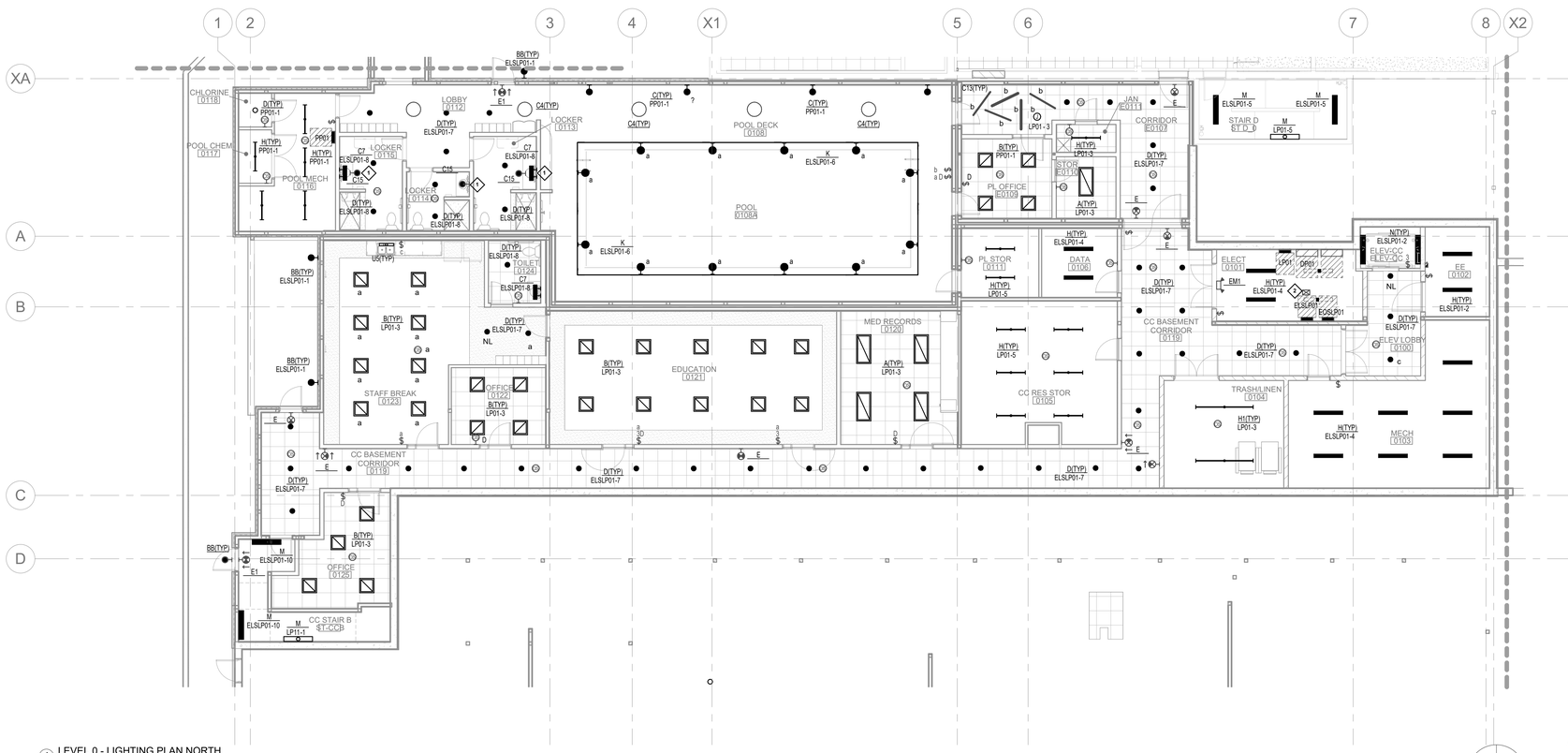
B. CONTROL BUILDING MOUNTED EXTERIOR LIGHT FIXTURES VIA SITE TIME CLOCK, UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR TO COORDINATE COMMON AREA LIGHTING CONTROL LOCATIONS WITH OWNER.

C. ELECTRICAL CONTRACTOR TO VERIFY LOCATION OF ALL COMMON AREA LIGHTING CONTROL WITH OWNER/ARCHITECT.

◇ SPECIFIC ELECTRICAL LIGHTING NOTES

1. PROVIDE FIXTURE C15, LIGHTED MIRROR FIXTURES, CONTROL WITH LOCAL LIGHTING OCCUPANCY SENSOR & CIRCUIT.

2. PROVIDE PHOTO-CELL FOR CONTROL OF EXTERIOR FIXTURES. PROVIDE 6 POLE LIGHTING CONTACTOR IN ELECTRICAL ROOM.



1 LEVEL 0 - LIGHTING PLAN NORTH
1/8" = 1'-0"

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Signature

Richard D. Becker
Typed or Printed Name

Electrical — Discipline
12/02/24 — Date

WESLEY BRADLEY PARK PHASE 2 - CARE CENTER

707 39TH AVENUE SE
PUYALLUP, WA 98374

City of Puyallup
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December 2, 2024

REVISIONS

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LEVEL 0 LIGHTING PLAN NORTH

E1.0A

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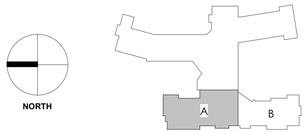
1 LEVEL 1 - LIGHTING PLAN NORTH
1/8" = 1'-0"



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LEVEL 1 LIGHTING PLAN
NORTH

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1 LEVEL 1 - LIGHTING PLAN SOUTH
1/8" = 1'-0"

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LEVEL 1 LIGHTING PLAN SOUTH

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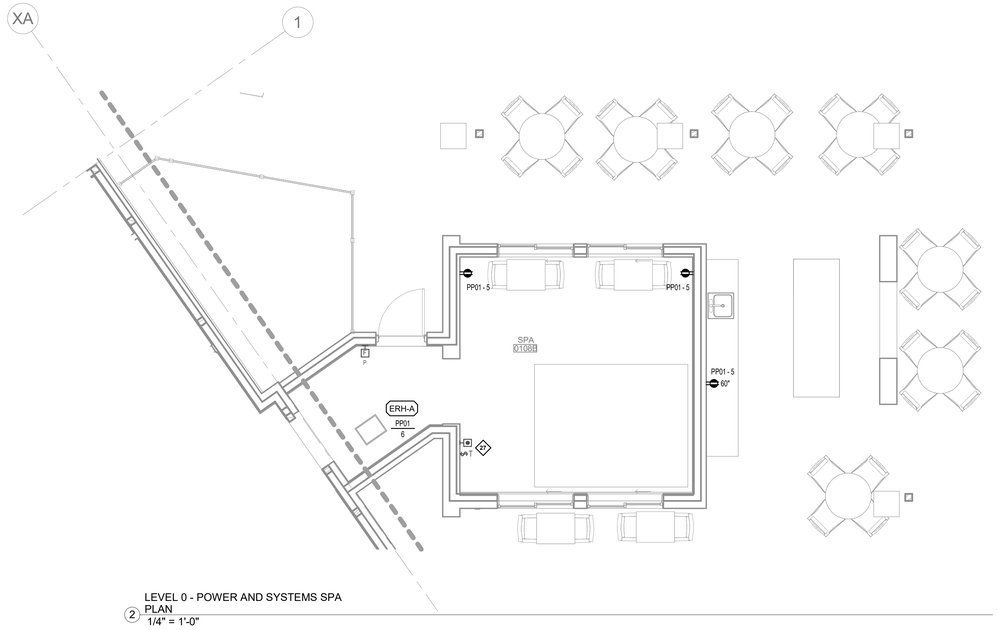
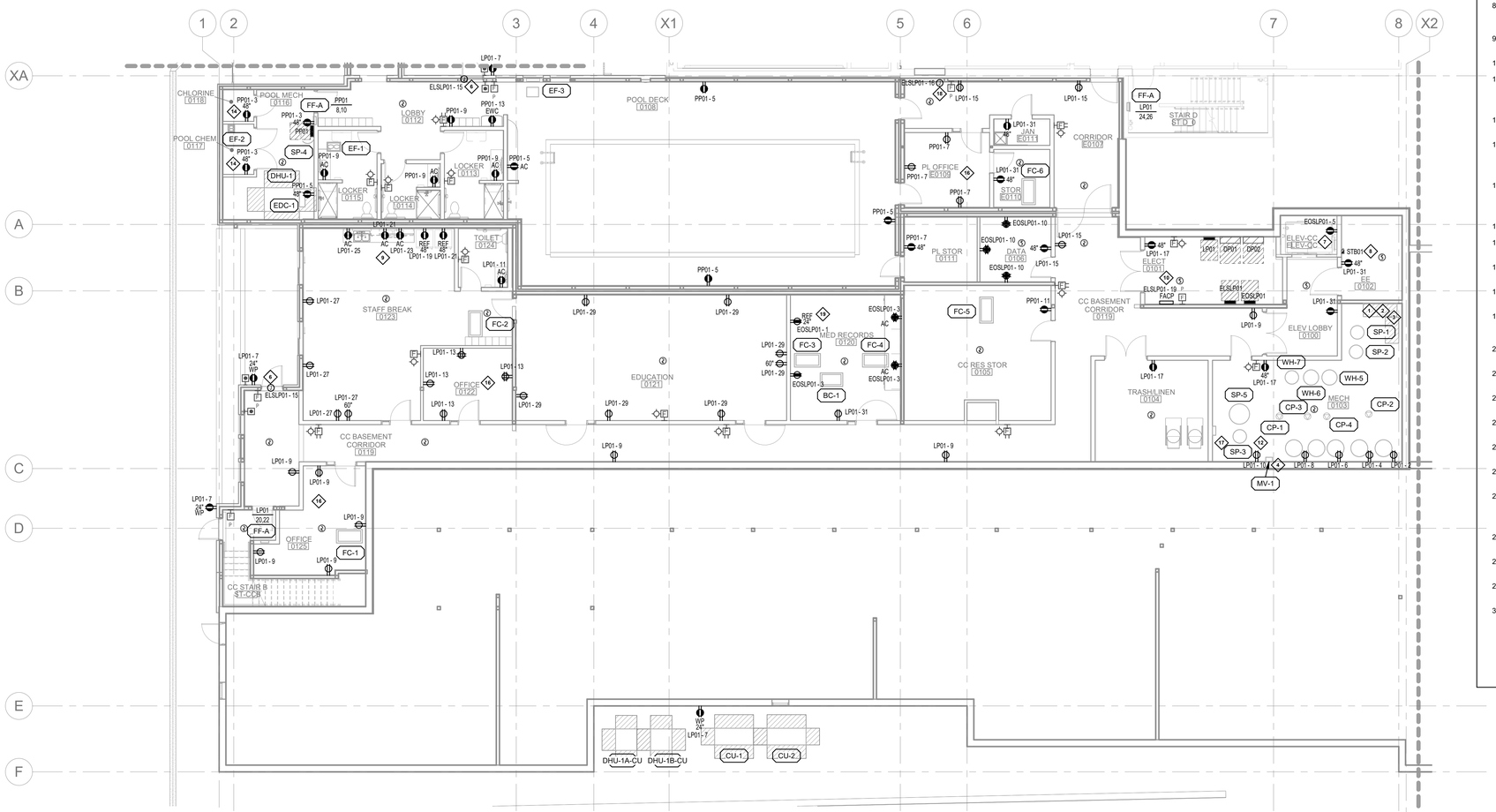


2 LEVEL 0 - POWER AND SYSTEMS SPA PLAN
1/4" = 1'-0"



1 LEVEL 0 - POWER AND SYSTEMS FLOOR PLAN NORTH
1/8" = 1'-0"

GENERAL POWER & SYSTEMS NOTES

A. VERIFY LOCATION OF ALL LIGHT FIXTURES & DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN.

B. ELECTRICAL CONTRACTOR TO PROVIDE A LOCAL CODE COMPLIANT FIRE ALARM SYSTEM. TIE SKILLED NURSING SYSTEM IN TO THE LODGE FIRE ALARM SYSTEM. VERIFY MANUFACTURER. DEVICES INDICATED INDICATE A FIRE ALARM SYSTEM. NOT ALL DEVICES SHOWN. PROVIDE DEVICES REQUIRED.

C. PER SPECIFICATIONS, CONTRACTOR SHALL PROVIDE ACOUSTICALLY RATED, FLANGED, AIRTIGHT BOXES IN ALL CORRIDOR WALLS & TOP FLOOR CEILINGS.

D. AT ALL THROUGH PENETRATIONS AT FIRE-RESISTANCE RATING, PROVIDE APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED & TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479. INSTALLATION SHALL HAVE AN F & T RATING OF NOT LESS THAN THE ASSEMBLY BEING PROTECTED.

E. AT ALL MEMBRANE PENETRATIONS, ELECTRICAL BOX INSTALLATION SHALL COMPLY WITH IBC 713.3.2.

F. REFER TO UNIT PLANS FOR TYPICAL RESIDENT CONFIGURATIONS. CONTRACTOR SHALL COMPLETE ALL UNITS BASED ON TYPICAL UNITS.

G. POOL GROUNDING BY THE ELECTRICAL CONTRACTOR. COORDINATE WITH POOL CONTRACTOR & AHJ.

H. LOW VOLTAGE SYSTEMS BY OTHERS, COORDINATE ANY & ALL POWER CONNECTIONS WITH LOW VOLTAGE. COORDINATE POWER & SYSTEM DEVICE HEIGHT TO BE THE SAME.

I. PROVIDE POWER FOR ALL CARD READERS, COORDINATE WITH LOW VOLTAGE SUPPLIER EXACT LOCATIONS & REQUIREMENTS OF POWER SUPPLIES.

J. ACCESS CONTROL SHALL BE COMPATIBLE WITH EXISTING SYSTEM. COORDINATE WITH LOW VOLTAGE & OWNER.

SPECIFIC ELECTRICAL NOTES

1. DEDICATED AREA FOR INCOMING WATER SERVICE SYSTEM. REFER TO MECHANICAL PLANS & SPECIFICATIONS FOR FURTHER INFORMATION.
2. DEDICATED AREA FOR INCOMING SPRINKLER SERVICE SYSTEM. REFER TO MECHANICAL PLANS & SPECIFICATIONS FOR FURTHER INFORMATION.
3. DEDICATED FOR SPRINKLER SYSTEM AIR COMPRESSOR. VERIFY ELECTRICAL REQUIREMENTS WITH SPRINKLER SYSTEM INSTALLER PRIOR TO ROUGH-IN. COORDINATE COMPRESSOR CIRCUITRY WITH FIRE SPRINKLER CONTRACTOR TO THE LIFE SAFETY PANELBOARD.
4. PROVIDE POWER TO MIXING VALVE, COORDINATE EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR TO PANEL LP01.
5. PROVIDE GROUNDING TO GAS METER.
6. PROVIDE POWER & CONTROL CONNECTIONS BETWEEN PUSHBUTTONS, KEYED SWITCH & ACCESS CONTROL SYSTEM AS REQUIRED FOR PROPER OPERATION.
7. PROVIDE DEDICATED CIRCUITS FOR ELEVATOR CAB POWER, LIGHTS & RECEPTACLES. COORDINATE EXACT FIRE ALARM PROVISIONS WITH AHJ & THE FIRE ALARM PROVIDER.
8. COORDINATE LOCATION OF ELEVATOR CONNECTION WITH ELEVATOR INSTALLER PRIOR TO ROUGH-IN. PROVIDE POWER FROM EOSLP01.
9. DEDICATED FOR DISHWASHER. MOUNT BELOW SINK TO ALLOW FOR PLUG CONNECTION. PROVIDE CONNECTION TO KP11 AS REQUIRED.
10. FIRE ALARM CONTROL PANEL.
11. PROVIDE FLOOR BOX WITH COVER & DEVICES SHOWN. WIREMOLD #WMFB SERIES OR EQUAL (Floor Lamps). COORDINATE LOCATION WITH ARCHITECT, INTERIORS & FURNITURE PROVIDER PRIOR TO ROUGH-IN.
12. DEDICATED FOR IRRIGATION SYSTEM. VERIFY ELECTRICAL REQUIREMENTS & LOCATION WITH PROVIDER PRIOR TO ROUGH-IN.
13. PROVIDE MECHANICALLY HELD POWER CONTACTOR WITH NEMA-1 ENCLOSURE & KEYED SWITCH WITH PILOT LIGHT FOR CONTROL OF RANGE POWER. CONNECT SO THAT PILOT LIGHT IS ON WHEN RANGE IS POWERED.
14. CORROSIVE ENVIRONMENT PER 2017 NEC 680.12 AND 680.14. ALL ELECTRICAL CONDUITS, DEVICES, LIGHT FIXTURES, J-BOXES & WIRING METHODS SHALL BE LISTED & IDENTIFIED FOR USE IN THIS AREA.
15. NOT USED.
16. CONNECT HALF OF SPLIT WIRED RECEPTACLES TO OCCUPANCY SENSOR WITHIN ROOM PER ASHRAE 90.1.
17. PROVIDE CONNECTION TO SUMP PUMP CONTROLLER FROM THE NEAREST 120V CIRCUIT.
18. PROVIDE EMERGENCY POWER & FIRE ALARM CONNECTION TO FIRE DOORS ON BOTH SIDES.
19. DEDICATED FOR UNDER CABINET REFRIGERATOR. VERIFY LOCATION & COORDINATE INSTALLATION WITH CABINET PROVIDER PRIOR TO ROUGH-IN.
20. PROVIDE GENERATOR ANNUNICIATOR PANEL. TIE INTO EXISTING LODGE GENERATOR AS REQUIRED.
21. PROVIDE FIRE ALARM ANNUNCITOR CONNECTION INTO THE LODGE FIRE ALARM PANEL.
22. PROVIDE DEDICATED CIRCUIT PER UNIT FOR GENERAL LIGHTING & RECEPTACLE POWER.
23. PROVIDE EMERGENCY CIRCUIT FOR RECEPTACLES IN UNITS. SHARE CIRCUIT FOR THREE (3) ROOMS.
24. PROVIDE HVAC CIRCUIT FOR UNIT, SHARE CIRCUIT, SEE FLOOR PLANS.
25. PROVIDE GFI CIRCUIT FOR SPA TUB, COORDINATE EXACT CONNECTION WITH SUPPLIER.
26. PROVIDE WIREMOLD RFB4 FLOOR BOX FOR POWER & DATA. VERIFY EXACT LOCATION & SYSTEM REQUIREMENTS WITH LOW VOLTAGE. PROVIDE 2" CONDUIT FOR LOW VOLTAGE FROM FLOOR BOX TO WALL MOUNTED TV, COORDINATE.
27. PROVIDE CONNECTION TO SPA TIMER SWITCH & EMERGENCY SHUT-OFF EPO SWITCH, COORDINATE WITH POOL SUPPLIER & AHJ.
28. PROVIDE CONNECTION TO RANGE HOOD. COORDINATE WITH KITCHEN SUPPLIER EXACT REQUIREMENTS.
29. PROVIDE CEILING RECEPTACLE FOR EMERGENCY CALL REPEATERS, COORDINATE EXACT REQUIREMENTS WITH OWNERS SUPPLIER.
30. PROVIDE CORRIDOR RECEPTACLE @ 56" FOR TOUCH PANELS. COORDINATE EXACT LOCATION WITH OWNER. SEE DETAIL 6/A103.

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Electrical
Discipline

12/02/24
Date

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LEVEL 0 POWER & SYSTEMS PLAN NORTH

E2.0A

NORTH

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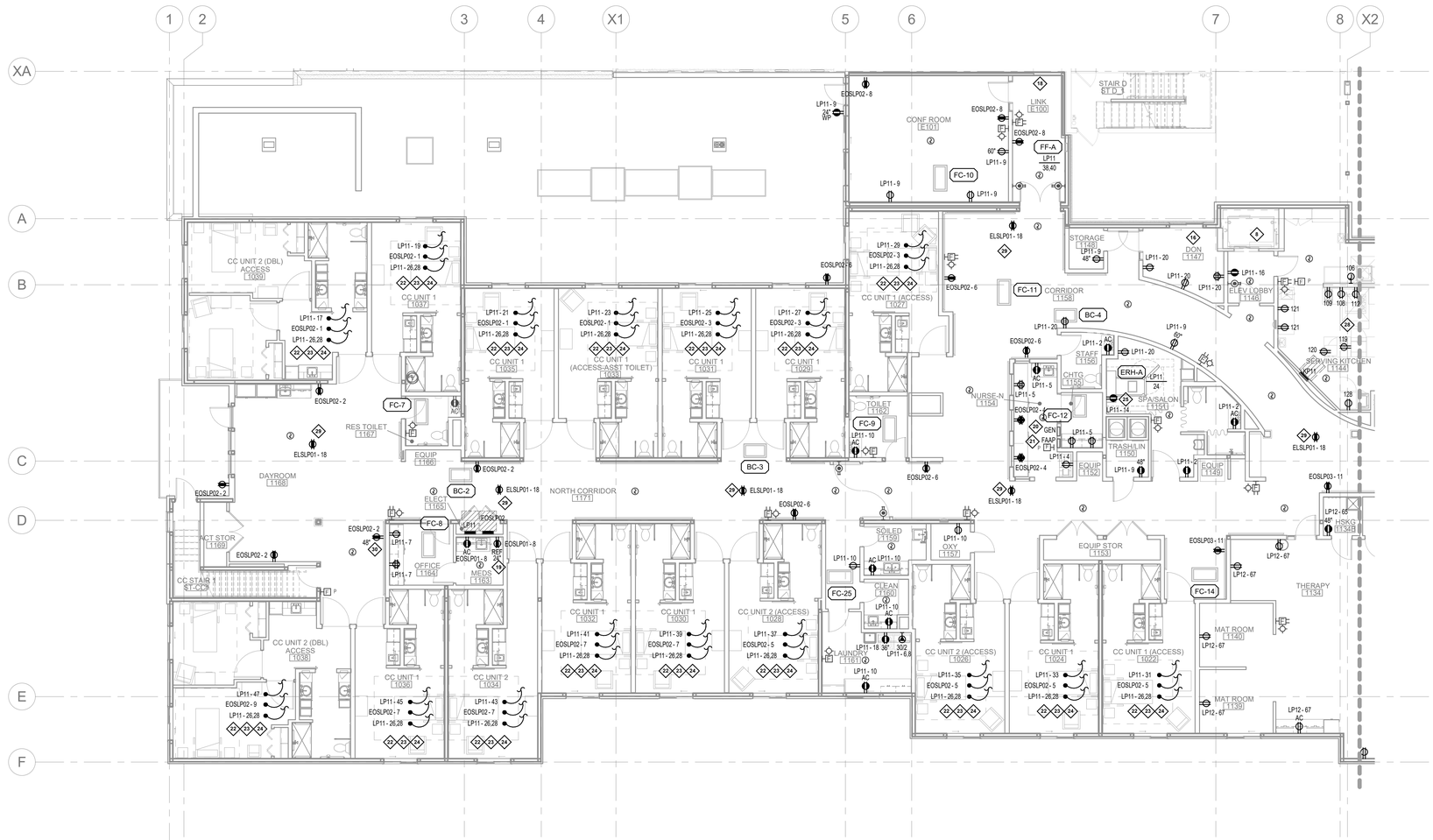
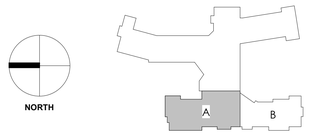


1 LEVEL 1 - POWER AND SYSTEMS FLOOR PLAN NORTH
1/8" = 1'-0"



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LEVEL 1 POWER & SYSTEMS PLAN NORTH

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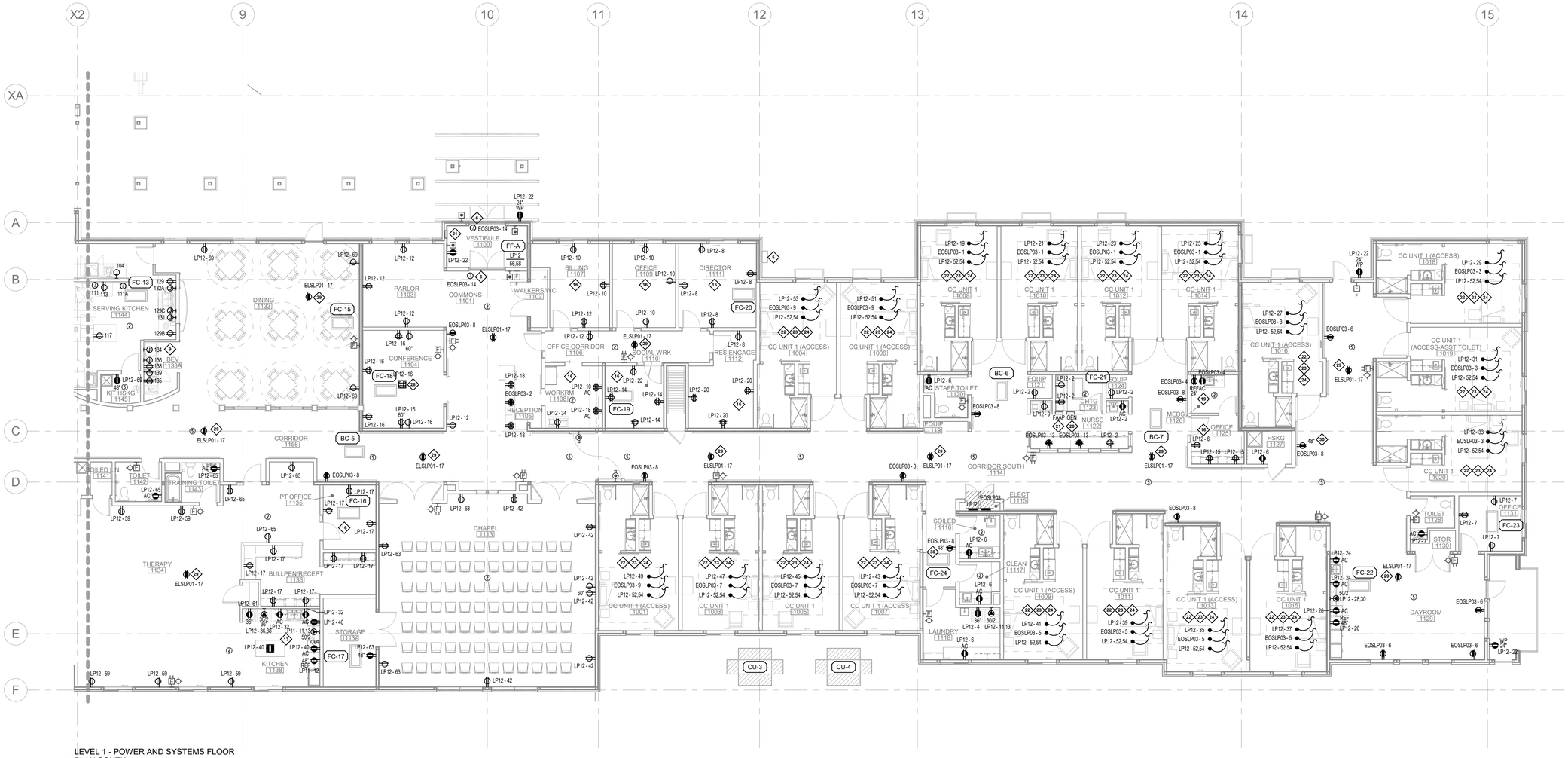
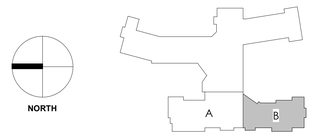


1 LEVEL 1 - POWER AND SYSTEMS FLOOR PLAN SOUTH
1/8" = 1'-0"



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LEVEL 1 POWER & SYSTEMS PLAN SOUTH

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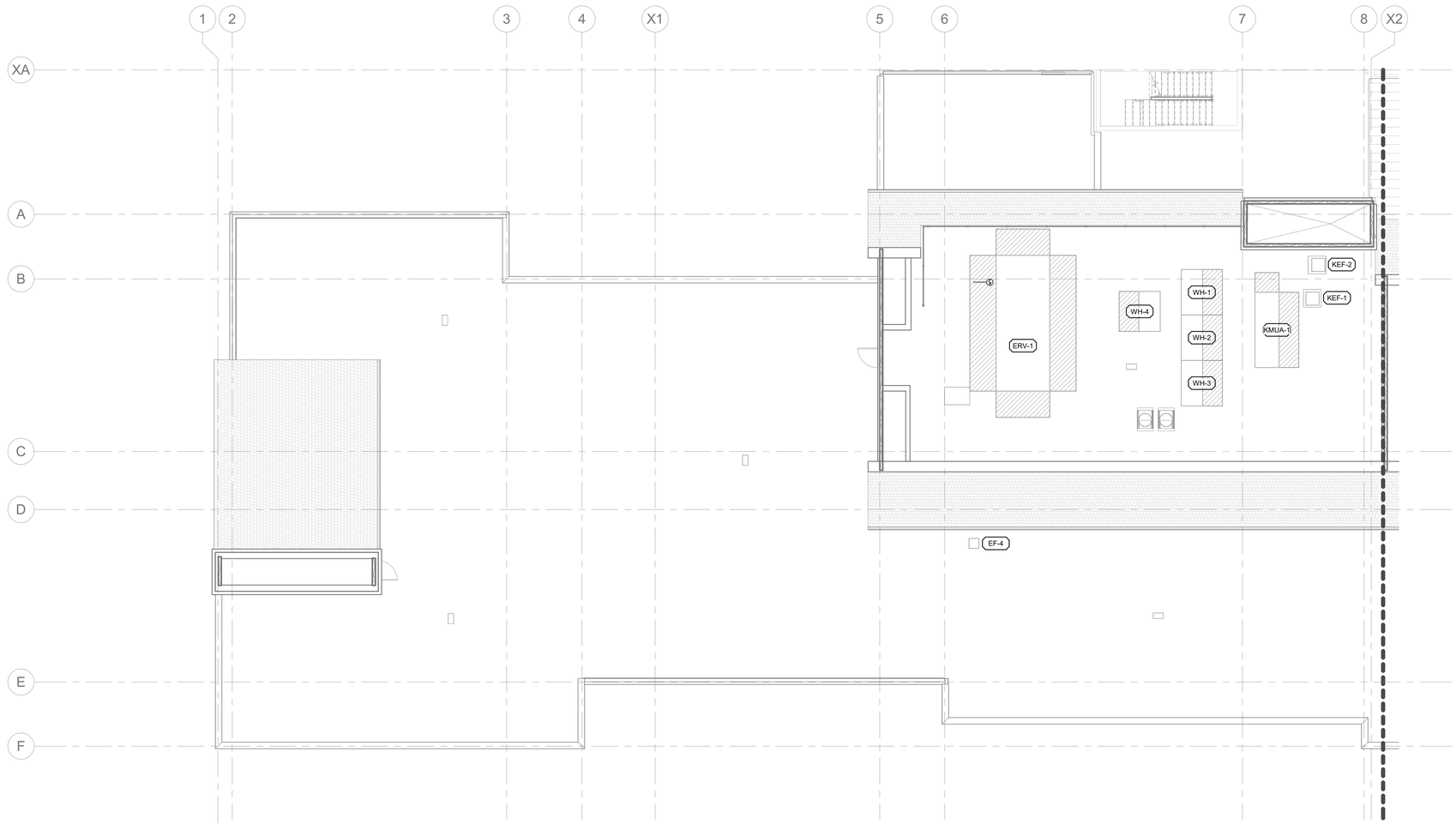
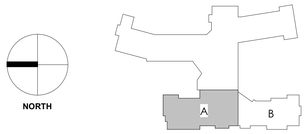


1 ELECTRICAL ROOF PLAN NORTH
1/8" = 1'-0"



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ELECTRICAL ROOF PLAN
NORTH

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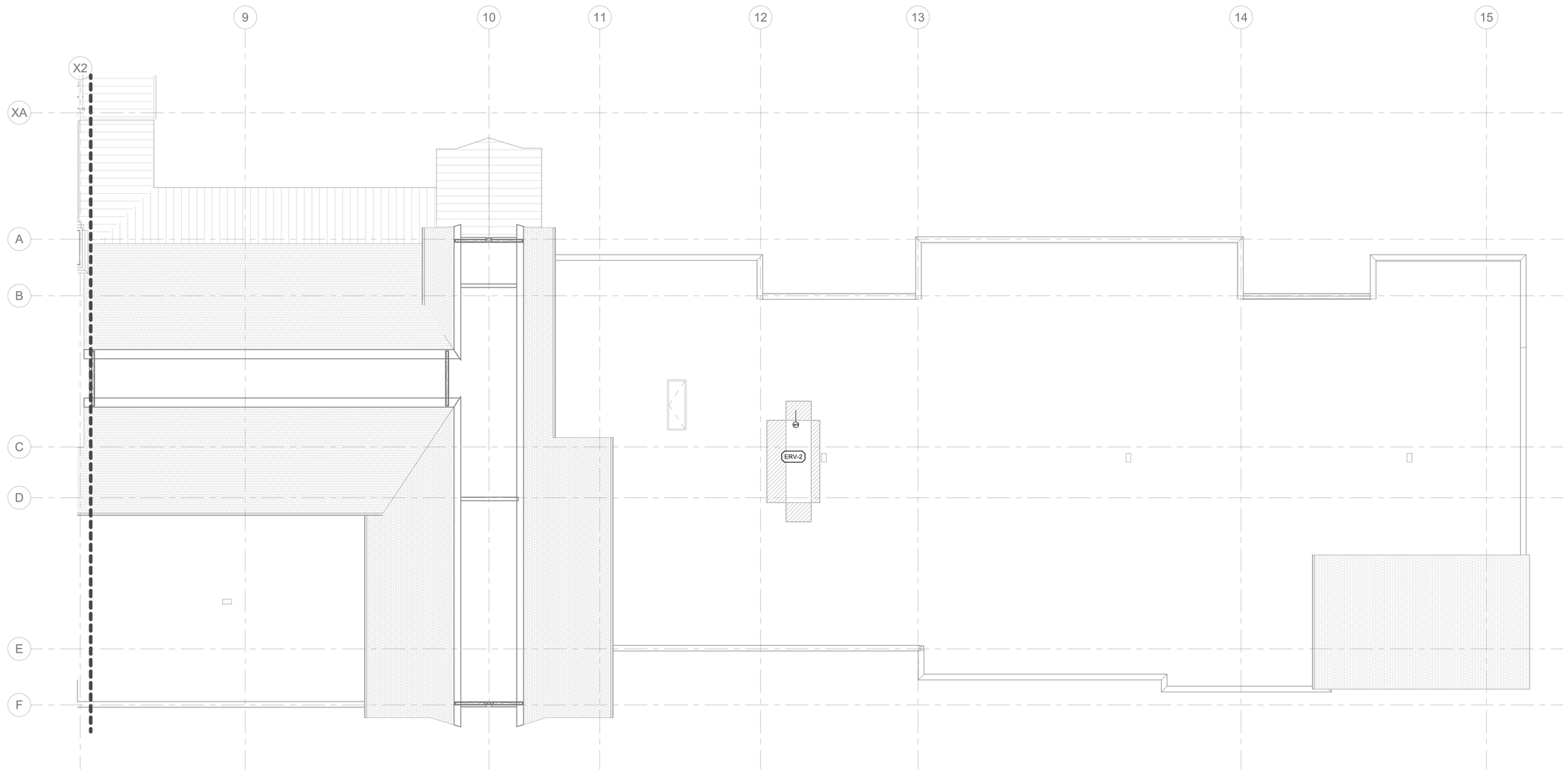

1 ELECTRICAL ROOF PLAN SOUTH
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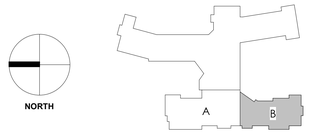

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ELECTRICAL ROOF PLAN
SOUTH

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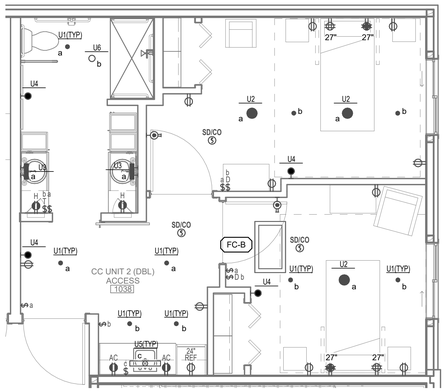
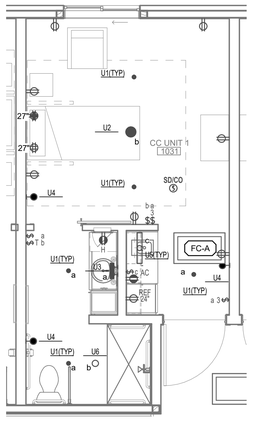


2 CC UNIT 2 (DBL) ELECTRICAL PLAN
1/4" = 1'-0"



1 CC UNIT 1 ELECTRICAL PLAN
1/4" = 1'-0"

GENERAL ELECTRICAL UNIT NOTES

A. CONTRACTOR SHALL COMPLETE ALL UNITS BASED ON TYPICAL UNIT DESIGNS. COORDINATE DEVICE LOCATION BASED ON UNIT MOCK-UP.

B. CONTRACTOR SHALL COMPARE TYPICAL UNIT DESIGNS WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO BID. THE QUANTITY & CONDITION OF LIGHT FIXTURES MOST FAVORABLE TO THE OWNER SHALL BE BID.

C. PER SPECIFICATIONS, CONTRACTOR SHALL PROVIDE ACOUSTICALLY RATED, FLANGED, AIRTIGHT BOXES IN ALL UNIT CORRIDOR WALLS, ALL UNIT PARTY WALLS, ALL UNIT TOP FLOOR CEILINGS, UNIT EXTERIOR WALLS & ALL UNIT FLOOR/CEILING ASSEMBLIES.

D. AT ALL THROUGH PENETRATIONS AT FIRE-RESISTANCE RATING, PROVIDE APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AND TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479. INSTALLATION SHALL HAVE AN F & T RATING OF NOT LESS THAN THE ASSEMBLY BEING PROTECTED.

E. AT ALL MEMBRANE PENETRATIONS, ELECTRICAL BOX INSTALLATION SHALL COMPLY WITH IBC 713.3.2.

F. PROVIDE SYSTEM DUAL RELAY SMOKE DETECTORS WITHIN UNITS. PROVIDE CONNECTION BETWEEN SMOKE DETECTOR & NURSE CALL SYSTEM, ACTIVATION SHALL ANNUNCIATE AT THE FAAP & NURSE CALL SYSTEM. REFER TO FIRE ALARM SPECIFICATIONS.

G. PROVIDE HOSPITAL GRADE RECEPTACLES IN SKILLED NURSING ROOMS.

H. PROVIDE ARC FAULT/GFCI BREAKERS FOR ALL CIRCUITRY.

I. SKILLED NURSING ROOMS SHALL HAVE A DUAL RELAY SMOKE DETECTOR. PROVIDE WIRING TO THE NURSE CALL DOME LIGHT AS REQUIRED FOR PROPER OPERATION. COORDINATE WITH WIRELESS NURSE CALL PROVIDER.

J. COORDINATE TV RECEPTACLE HEIGHT WITH ARCHITECT.

K. PROVIDE RED RECEPTACLES FOR EMERCENCY POWER CIRCUITS. ELECTRICAL CONTRACTOR TO VERIFY WITH ARCHITECT OR OWNER ALL MOUNTING HEIGHTS.

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ELECTRICAL UNITS

E3.0

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GENERAL ELECTRICAL RISER NOTES:

A. ELECTRICAL CONTRACTOR TO COORDINATE WITH ELEVATOR MANUFACTURER.

B. COMMUNICATION CONDUIT RUNS SHALL CONTAIN SWEEPS. 90 DEGREE BENDS ARE NOT ALLOWED.

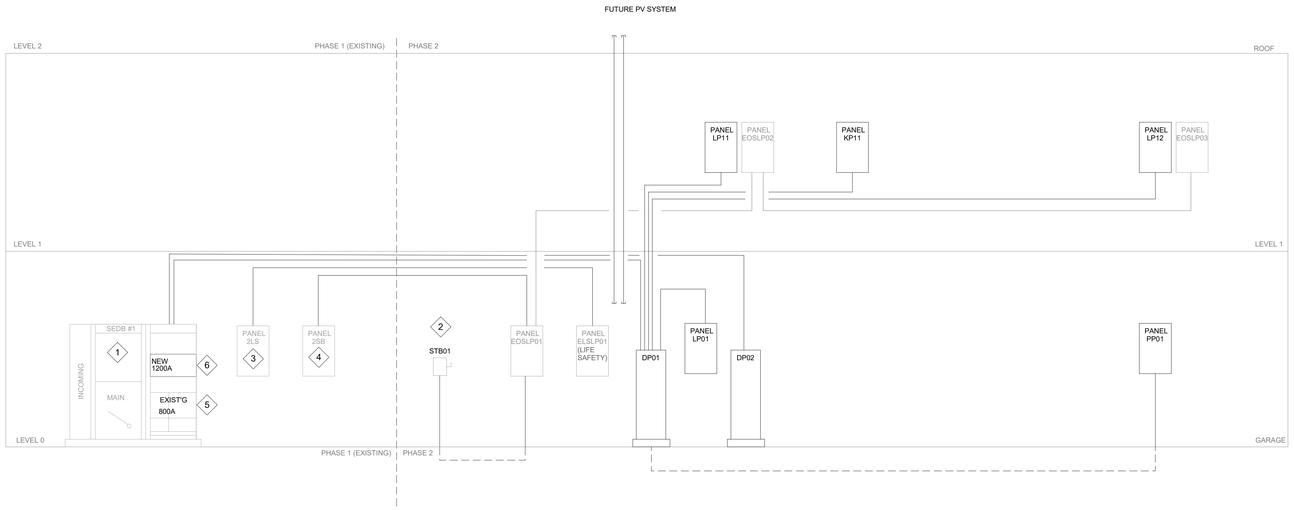
C. ALL CONDUIT SLEEVE SIZES & LOCATIONS TO BE VERIFIED WITH LOW VOLTAGE SUPPLIERS.

D. ELECTRICAL CONTRACTOR TO COORDINATE LOW VOLTAGE CONDUITS WITH SUPPLIER. PROVIDE RACEWAYS AS REQUIRED.

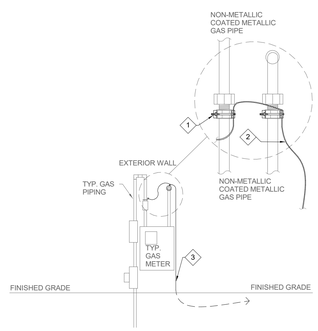
E. PROVIDE TWO (3") CONDUITS FOR FUTURE PV SYSTEM FROM ELECTRICAL ROOM TO ROOF. COORDINATE EXACT RERQUIREMENTS WITH PV INSTALLER.

SPECIFIC ELECTRICAL RISER NOTES:

1. EXISTING LODGE SWITCHBOARD.
2. PROVIDE 60/3P SHUNT-TRIP CIRCUIT BREAKER FOR ELEVATOR. VERIFY WITH ELEVATOR MANUFACTURER EXACT LOCATION & SIZE.
3. EXISTING LIFE SAFETY PANELBOARD FROM THE LODGE ELECTRICAL ROOM. FIELD VERIFY. PROVIDE A 100A/3PH FEEDER & CIRCUIT BREAKER FROM PANEL 2LS TO ELSLP01.
4. EXISTING OPTIONAL PANELBOARD FROM THE LODGE ELECTRICAL ROOM. FIELD VERIFY. PROVIDE A 400A/3PH FEEDER & CIRCUIT BREAKER FROM PANEL 2SB TO EOSLP01.
5. EXISTING 800A C.B. TO FEED NEW SKILLED NURSING HOME DISTRIBUTION BOARD DP02 TO FEED NEW WATER HEATERS.
6. PROVIDE NEW 1200 C.B TO FEED DP01 IN NEW SKILLED NURSING FACILITY, COORDINATE EXACT REQUIREMENTS ON SITE.



1 ELECTRICAL RISER DIAGRAM
NOT TO SCALE



2 SINGLE METER GAS PIPING BONDING DETAIL
NO SCALE

SINGLE METER GAS PIPING BONDING GENERAL NOTES

A. COMPLETE BONDING INSTALLATION SHALL CONFORM TO NFPA-70, NEC-250 AND UL467.

B. CLAMPS SHALL NOT BE INSTALLED ON NON-METALLIC COATED GAS PIPING.

C. THE #6 BONDING CONDUCTOR SHALL BE ONE CONTINUOUS PIECE WITH NO SPLICES.

SINGLE METER GAS PIPING BONDING SPECIFIC NOTES

1. PROVIDE BONDING CLAMPS FOR GAS PIPE FITTING. INSTALL ON METALLIC NUT OF CONNECTOR AFTER PIPE CONNECTIONS HAVE BEEN MADE & TESTED. CLAMP SHALL BE COMPATIBLE WITH METAL NUT TO PREVENT CORROSION & SHALL ACCEPT A MINIMUM #6 COPPER BONDING CONDUCTOR. STORM COPPER COMPONENTS CO. #NAED-UPC-GVN-JRD OR EQUAL. TYPICAL.
2. PROVIDE MINIMUM #6 BARE COPPER BONDING CONDUCTOR.
3. ROUTE BONDING CONDUCTOR FROM MANIFOLD SIDE OF METER DIRECT BURIED TO BUILDING SERVICE GROUND ROD & CLAMP. FIELD VERIFY EXACT ROUTING & LOCATION OF SERVICE GROUND ROD(S).

DISTRIBUTION EQUIPMENT SCHEDULE

PANEL NO.	VOLTAGE	MOUNTING	AIC	MAIN / RATING	# OF CCTS	BREAKERS DISC REQUIRED	FEEDER FROM	NOTES
EXISTING SWBD (SEDB #1)	120/208V 3PH, 4W	FLOOR	65K	4000A	-	-		-
EOSLP01 (OPTIONAL)	120/208V 3PH, 4W	SURFACE	22K	400A	SEE SCHEDULES	SEE SCHEDULES	3-1/2"C. 4#500 & #3 GRD. FROM 2SB	1
ELSLP01 (LIFE SAFETY)	120/208V 3PH, 4W	SURFACE	10K	100A	SEE SCHEDULES	SEE SCHEDULES	1-1/2"C. 4#2 & #8 GRD. FROM 2LS	1
STB01	208V 3PH, 3W	SURFACE	5K	60/3 SHUNT-TRIP	-	60/3P	1"C. 3#6 & #10 GRD. FROM EOSLP01	2,4
DP01	120/208V 3PH, 4W	SURFACE	42K	1200A	SEE SCHEDULES	SEE SCHEDULES	(4) 3"C. 4#350 & 3/0 GND. FROM SEDB #1	
DP02	120/208V 3PH, 4W	SURFACE	42K	800A	SEE SCHEDULES	SEE SCHEDULES	(2) 3"C. 4#500 & 1/0 GND. FROM SEDB #1	
KP11	120/208V 3PH, 4W	RECESSED	10K	200A MLO	SEE SCHEDULES	SEE SCHEDULES	2"C. 4#3/0 & 1#6 GND. FROM DP01	1
LP01	120/208V 3PH, 4W	SURFACE	10K	200A MLO	SEE SCHEDULES	SEE SCHEDULES	2"C. 4#3/0 & #6 GND. FROM DP01	1
PP01	120/208V 3PH, 4W	SURFACE	10K	200A MLO	SEE SCHEDULES	SEE SCHEDULES	2"C. 4#3/0 & #6 GND. FROM DP01	1
LP11	120/208V 3PH, 4W	SURFACE	10K	200A	SEE SCHEDULES	SEE SCHEDULES	2"C. 4#3/0 & #6 GRD. FROM DP01	1
LP12	120/208V 3PH, 4W	SURFACE	10K	200A	SEE SCHEDULES	SEE SCHEDULES	2"C. 4#3/0 & #6 GRD. FROM DP01	1
EOSLP02	120/208V 3PH, 4W	SURFACE	10K	100A	SEE SCHEDULES	SEE SCHEDULES	1 1/4"C. 4#3 & #8 GRD. FROM EOSLP01	1,3
EOSLP03	120/208V 3PH, 4W	SURFACE	10K	100A	SEE SCHEDULES	SEE SCHEDULES	1 1/4"C. 4#3 & #8 GRD. FROM EOSLP02	1

DISTRIBUTION SCHEDULE NOTES
1. FILL REMAINDER OF PANEL WITH 20/1 POLE BREAKERS.
2. MAKE CONNECTION TO ELEVATOR EQUIPMENT. COORDINATE LOCATION.
3. PROVIDE FEED-THRU LUGS.
4. PROVIDE CONNECTION TO ELEVATOR SHUNT-TRIP, COORDINATE WITH MANUFACTUER.

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER
707 39TH AVENUE SE
PUYALLUP, WA 98374

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

No.	Description	Date

ISA202201
PROJECT NUMBER

DJL — DRAWN BY
JLA — CHECKED BY

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

ELECTRICAL RISERS

E4.0

12/6/2024 9:12:08 AM

STEEN ENGINEERING
763-585-6742
763-585-6757 fax
Email: steen@steeneng.com

5430 Douglas Drive North
Minneapolis, MN 55429

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1000 university ave. w. suite 130
st. paul, minnesota 55104
612-252-4820

RICHARD D. BECKER
STATE OF WASHINGTON
22028534
REGISTERED PROFESSIONAL ENGINEER

Richard D. Becker
Signature

Richard D. Becker
Typed or Printed Name

Electrical — Discipline
12/02/24 — Date

PANELBOARD: ELSLP01

LOCATION: ELECT 0101
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 100 A MLO
BUS AMPS: 100 AMPS
VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	PHASE A kVA		PHASE B kVA		PHASE C kVA		CKT	POLES	BKR	LOAD DESCRIPTION
LITES - EXTERIOR	20 A	1	1	0.5	0.3					2	1	20 A	LITES - ELEVATOR
LITES - STAIR ST-CC	20 A	1	3			0.1	0.6			4	1	20 A	LITES - GARAGE LEVEL
LITES - STAIR D	20 A	1	5					0.2	0.7	6	1	20 A	LITES - POOL AREA
LITES - LV0 CORRIDORS	20 A	1	7	0.7	0.2					8	1	20 A	LITES - LV0
LITES - LV1 CORRIDORS	20 A	1	9			1.1	0.1			10	1	20 A	LITES - STAIR B
LITES - LV1	20 A	1	11					0.6	0.7	12	1	20 A	LITES - LV1
LITES - LV1	20 A	1	13	1.0	1.1					14	1	20 A	LITES - LV1 CORRIDORS
Other	20 A	1	15			0.0	0.8			16	1	20 A	UC REFRIGERATOR
RCPT - NURSE CALL	20 A	1	17					2.2	1.1	18	1	20 A	RCPT - NURSE CALL
FACP RM 0101	20 A	1	19	1.0						20			
			21							22			
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
	TOTAL LOAD:			5 kVA		3 kVA		5 kVA					
	TOTAL AMPS:			43 A		23 A		48 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	13037 VA	**CONNECTED LOAD:**	13037 VA
ESTIMATED DEMAND:	14421 VA	**ESTIMATED DEMAND:**	14421 VA
CONNECTED CURRENT:	36 A	**CONNECTED CURRENT:**	36 A
EST. DEMAND CURRENT:	40 A	**EST. DEMAND CURRENT:**	40 A

NOTES:

PANELBOARD: EOSLP01

LOCATION: ELECT 0101
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 400 A MLO
BUS AMPS: 400 AMPS
VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	PHASE A kVA		PHASE B kVA		PHASE C kVA		CKT	POLES	BKR	LOAD DESCRIPTION
RCPT - FRIDGE RM 0102	20 A	1	1	0.6	5.0					2	3	60 A	STB01
RCPT - RM 0102	20 A	1	3			0.9	5.0			4	--	--	--
RCPT - EVEV-CC	20 A	1	5					0.2	5.0	6	--	--	--
CU-2 EXTERIOR	60 A	3	7	5.5	0.8					8	1	20 A	RCPT - RM 1103
--	--	--	9			5.5	0.5			10	1	20 A	RCPT
--	--	--	11					5.5	0.1	12	2	15 A	BC-1 RM 0120
EOSLP02, EOSLP03	100 A	3	13	1...	0.1					14	--	--	--
--	--	--	15			6.3				16			
--	--	--	17					4.9		18			
			19							20			
			21							22			
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
	TOTAL LOAD:			23 kVA		18 kVA		16 kVA					
	TOTAL AMPS:			197 A		155 A		130 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	57109 VA	**CONNECTED LOAD:**	57109 VA
ESTIMATED DEMAND:	45282 VA	**ESTIMATED DEMAND:**	45282 VA
CONNECTED CURRENT:	159 A	**CONNECTED CURRENT:**	159 A
EST. DEMAND CURRENT:	126 A	**EST. DEMAND CURRENT:**	126 A

NOTES:

PANELBOARD: EOSLP02

LOCATION: ELECT 1165
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 100 A MLO
BUS AMPS: 100 AMPS
VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	PHASE A kVA		PHASE B kVA		PHASE C kVA		CKT	POLES	BKR	LOAD DESCRIPTION
UNITS 1031,1033,1035,1037	20 A	1	1	1.2	0.9					2	1	20 A	1114 & CORR RCPT
UNITS 1023, 1025, 1029	20 A	1	3			0.9	0.7			4	1	20 A	RCPT - RM 1109
UNITS 1020,1022,1024,1026	20 A	1	5					1.2	0.9	6	1	20 A	CORR & DINING RCPT
UNITS 1028,1030,1032,1034	20 A	1	7	1.2	0.5					8	1	20 A	RCPT
UNITS 1036,1038	20 A	1	9			0.6	0.3			10	2	15 A	BC's
			11					0.3		12	--	--	--
			13		1.0					14	2	15 A	FC's
			15				1.0			16	--	--	--
			17							18			
			19							20			
			21							22			
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
	TOTAL LOAD:			11 kVA		6 kVA		5 kVA					
	TOTAL AMPS:			96 A		54 A		41 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	22525 VA	**CONNECTED LOAD:**	22525 VA
ESTIMATED DEMAND:	18694 VA	**ESTIMATED DEMAND:**	18694 VA
CONNECTED CURRENT:	63 A	**CONNECTED CURRENT:**	63 A
EST. DEMAND CURRENT:	52 A	**EST. DEMAND CURRENT:**	52 A

NOTES:

PANELBOARD: EOSLP03

LOCATION: ELECT 1115
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 100 A MLO
BUS AMPS: 100 AMPS
VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	PHASE A kVA		PHASE B kVA		PHASE C kVA		CKT	POLES	BKR	LOAD DESCRIPTION
UNITS 1002,1004,1006,1010	20 A	1	1	1.2	0.4					2	1	20 A	RCPT - RM 1054
UNITS 1012,1014,1016,1018	20 A	1	3			1.2	0.4			4	1	20 A	1085 FRIDGE
UNITS 1013,...	20 A	1	5					1.2	0.7	6	1	20 A	CORR RCPT
UNITS 1007,1009,1011	20 A	1	7	0.9	1.6					8	1	20 A	1087
UNITS 1001,1003,1005	20 A	1	9			0.9	0.3			10	2	15 A	BC's
RCPT - RM 1074A	20 A	1	11					0.4	0.3	12	--	--	--
RCPT - RM 122	20 A	1	13	0.7	1.7					14	1	20 A	DOOR OPS. RM 1050
			15							16			
			17							18			
			19							20			
			21							22			
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
	TOTAL LOAD:			6 kVA		3 kVA		3 kVA					
	TOTAL AMPS:			54 A		23 A		21 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	11745 VA	**CONNECTED LOAD:**	11745 VA
ESTIMATED DEMAND:	9844 VA	**ESTIMATED DEMAND:**	9844 VA
CONNECTED CURRENT:	33 A	**CONNECTED CURRENT:**	33 A
EST. DEMAND CURRENT:	27 A	**EST. DEMAND CURRENT:**	27 A

NOTES:
FEED-THROUGH FROM EOSLP02

PANELBOARD: LP11

LOCATION: ELECT 1165
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 200 A MLO
BUS AMPS: 200 AMPS
VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
LITES - LV1	20 A	1	1	0.7	0.5					2	1	20 A	RCPT
LITES - LV1	20 A	1	3			0.9	1.2			4	1	20 A	PRINTER
CHTG RCPT	20 A	1	5					0.9	2.1	6	2	30 A	DRYER
RCPT	20 A	1	7	0.5	2.1					8	--	--	--
RCPT	20 A	1	9			1.3	2.1			10	1	20 A	RCPT
RANGE	50 A	2	11					2.8	0.2	12	1	20 A	RCPT
--	--	--	13	2.8	0.2					14	1	20 A	RCPT
			15				0.2			16	1	20 A	RCPT
UNIT 1037	20 A	1	17					1.2	0.2	18	1	20 A	RCPT
UNIT 1035	20 A	1	19	1.2	1.1					20	1	20 A	RCPT
UNIT 1033	20 A	1	21			1.2	0.2			22	1	15 A	EF-4 ROOF
UNIT 1031	20 A	1	23					1.2	0.8	24	1	15 A	ERH-A
UNIT 1029	20 A	1	25	1.2	0.4					26	2	15 A	UNIT FC's
UNIT 1025	20 A	1	27			1.2	0.4			28	--	--	--
UNIT 1023	20 A	1	29					1.2	0.5	30	2	20 A	FAN COILS LV1
UNIT 1020	20 A	1	31	1.2	0.5					32	--	--	--
UNIT 1022	20 A	1	33			1.2	0.5			34	2	20 A	FAN COILS LV1
UNIT 1024	20 A	1	35					1.2	0.5	36	--	--	--
UNIT 1026	20 A	1	37	1.2	1.5					38	2	20 A	FF-A RM E100
UNIT 1028	20 A	1	39			1.2	1.5			40	--	--	--
UNIT 1030	20 A	1	41					1.2	3.7	42	3	40 A	ERV-1 ROOF
UNIT 1032	20 A	1	43	1.2	3.7					44	--	--	--
UNIT 1034	20 A	1	45			1.2	3.7			46	--	--	--
UNIT 1036	20 A	1	47					1.2		48			
			49							50			
			51							52			
			53							54			
			55							56			
			57							58			
			59							60			
	TOTAL LOAD:			20 kVA		18 kVA		19 kVA					
	TOTAL AMPS:			168 A		150 A		157 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	56807 VA	**CONNECTED LOAD:**	56807 VA
ESTIMATED DEMAND:	45886 VA	**ESTIMATED DEMAND:**	45886 VA
CONNECTED CURRENT:	158 A	**CONNECTED CURRENT:**	158 A
EST. DEMAND CURRENT:	127 A	**EST. DEMAND CURRENT:**	127 A

NOTES:

PANELBOARD: LP12

LOCATION: ELECT 1115
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 200 A MLO
BUS AMPS: 200 AMPS
VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
LITES - LV1 CORRIDOR	20 A	1	1	0.7	1.3					2	1	20 A	1088 & 1087
LITES - LV1	20 A	1	3			1.0	0.2			4	1	20 A	1082 RCPT
LITES - LV1	20 A	1	5					1.8	1.1	6	1	20 A	LAUNDRY RCPT
DAYROOM 1092 AREA...	20 A	1	7	0.7	0.9					8	1	20 A	1074A & 1075& 1078 RCPT
1087 PRINTER	20 A	1	9			0.2	1.4			10	1	20 A	1059 & 1060 RCPT
1082 DRYER	30 A	2	11					0.2	1.1	12	1	20 A	1054 &1055 RCPT
--	--	--	13	0.2	1.1					14	1	20 A	1057 RCPT
1084 & 1085 RCPT	20 A	1	15			0.7	1.8			16	1	20 A	1053 RCPT
1076 RCPT	20 A	1	17					1.6	1.1	18	1	20 A	1054 & 1060 RCPT
UNIT 1002	20 A	1	19	1.2	1.1					20	1	20 A	1056 RCPT
UNIT 1004	20 A	1	21			1.2	0.9			22	1	20 A	OUTER & VESTIBULE...
UNIT 1006	20 A	1	23					1.2	0.4	24	1	20 A	1129 RCPT
UNIT 1010	20 A	1	25	1.2	0.4					26	1	20 A	1129 RCPT
UNIT 1012	20 A	1	27			1.2	4.0			28	2	20 A	1129 SPEC RCPT
UNIT 1014	20 A	1	29					1.2	4.0	30	--	--	--
UNIT 1016	20 A	1	31	1.2	0.4					32	1	20 A	1070 COUNTER TOPS
UNIT 1018	20 A	1	33			1.2	1.2			34	1	20 A	RCPT - COPIER RM 1108
UNIT 1019	20 A	1	35					1.2	2.1	36	2	20 A	SPEC
UNIT 1017	20 A	1	37	1.2	2.1					38	--	--	--
UNIT 1015	20 A	1	39			1.2	0.8			40	1	20 A	RCPT - RM 1113
UNIT 1013	20 A	1	41					1.2	1.1	42	1	20 A	RCPT - RM 1113
UNIT 1011	20 A	1	43	1.2	1.5					44	2	20 A	FAN COILS LV1
UNIT 1009	20 A	1	45			1.2	1.5			46	--	--	--
UNIT 1007	20 A	1	47					1.2	1.0	48	2	20 A	FAN COILS LV1
UNIT 1005	20 A	1	49	1.2	1.0					50	--	--	--
UNIT 1003	20 A	1	51			1.2	0.5			52	2	15 A	UNIT FC's
UNIT 1001	20 A	1	53					1.2	0.5	54	--	--	--
LITES	20 A	1	55	0.5	1.5					56	2	20 A	FF-A RM 1100
LITES	20 A	1	57			1.8	1.5			58	--	--	--
RCPT	20 A	1	59					0.9	3.7	60	3	40 A	ERV-2 ROOF
RCPT	20 A	1	61	1.2	3.7					62	--	--	--
RCPT	20 A	1	63			0.7	3.7			64	--	--	--
RCPT	20 A	1	65					1.1		66			
RCPT	20 A	1	67	0.9						68			
RCPT	20 A	1	69			0.7				70			
			71							72			
			73							74			
			75							76			
			77							78			
			79							80			
			81							82			
			83							84			
	TOTAL LOAD:			26 kVA		30 kVA		29 kVA					
	TOTAL AMPS:			218 A		251 A		242 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	84512 VA	**CONNECTED LOAD:**	84512 VA
ESTIMATED DEMAND:	65581 VA	**ESTIMATED DEMAND:**	65581 VA
CONNECTED CURRENT:	235 A	**CONNECTED CURRENT:**	235 A
EST. DEMAND CURRENT:	182 A	**EST. DEMAND CURRENT:**	182 A

NOTES:

PANELBOARD: DP01

LOCATION: ELECT 0101
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 1200 A
BUS AMPS: 1200 A
VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING:
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
LP01	200 A	3	1	1...	8.4					2	3	100 A	CU-3 EXTERIOR
--	--	--	3			18.4	8.4			4	--	--	--
--	--	--	5					16.8	8.4	6	--	--	--
KP11	200 A	3	7	1...	8.4					8	3	100 A	CU-4 EXTERIOR
--	--	--	9			16.8	8.4			10	--	--	--
--	--	--	11					15.3	8.4	12	--	--	--
PP01	200 A	3	13	1...	18.3					14	3	200 A	EDC-1 RM 0019
--	--	--	15			10.3	18.3			16	--	--	--
--	--	--	17					8.7	18.3	18	--	--	--
LP11	200 A	3	19	2...						20			
--	--	--	21			18.0				22			
--	--	--	23					18.8		24			
LP12	200 A	3	25	2...						26			
--	--	--	27			29.7				28			
--	--	--	29					28.7		30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
	TOTAL LOAD:			125 kVA		128 kVA		123 kVA					
	TOTAL AMPS:			1040 A		1072 A		1029 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	376492 VA	**CONNECTED LOAD:**	376492 VA
ESTIMATED DEMAND:	278553 VA	**ESTIMATED DEMAND:**	278553 VA
CONNECTED CURRENT:	1045 A	**CONNECTED CURRENT:**	1045 A
EST. DEMAND CURRENT:	773 A	**EST. DEMAND CURRENT:**	773 A

NOTES:

PANELBOARD: DP02

LOCATION: ELECT 0101
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 800 A
BUS AMPS: 800 A
VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING:
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	PHASE A kVA		PHASE B kVA		PHASE C kVA		CKT	POLES	BKR	LOAD DESCRIPTION
WH-5	200 A	3	1	2...	0.6					2	2	20 A	CP-3
--	--	--	3			25.0	0.6			4	--	--	--
--	--	--	5					25.0	0.5	6	1	20 A	CP-4
WH-6	200 A	3	7	2...	19.4					8	3	200 A	WH-1
--	--	--	9			25.0	19.4			10	--	--	--
--	--	--	11					25.0	19.4	12	--	--	--
WH-7	125 A	3	13	1...	19.4					14	3	200 A	WH-2
--	--	--	15			13.5	19.4			16	--	--	--
--	--	--	17					13.5	19.4	18	--	--	--
WH-4	150 A	3	19	1...	19.4					20	3	200 A	WH-3
--	--	--	21			14.7	19.4			22	--	--	--
--	--	--	23					14.7	19.4	24	--	--	--
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
	TOTAL LOAD:			137 kVA		137 kVA		137 kVA					
	TOTAL AMPS:			1141 A		1141 A		1140 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	410548 VA	**CONNECTED LOAD:**	410548 VA
ESTIMATED DEMAND:	308473 VA	**ESTIMATED DEMAND:**	308473 VA
CONNECTED CURRENT:	1140 A	**CONNECTED CURRENT:**	1140 A
EST. DEMAND CURRENT:	856 A	**EST. DEMAND CURRENT:**	856 A

NOTES:

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER
707 39TH AVENUE SE
PUYALLUP, WA 98374

CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

No.	Description	Date

ISA202201
PROJECT NUMBER

DJL — DRAWN BY
JLA — CHECKED BY

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

ELECTRICAL PANEL SCHEDULES

E5.0

12/6/2024 9:12:09 AM

PANELBOARD: KP11

LOCATION: SERVING KITCHEN 1144
MOUNTING: RECESSED NEMA1
MAIN DEVICE: 200 A MLO
BUS AMPS: 200 AMPS

VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	PHASE A kVA		PHASE B kVA		PHASE C kVA		CKT	POLES	BKR	LOAD DESCRIPTION
LITES - RM 1064	20 A	1	1	0.6	5.6					2	3	60 A	106 - DISHWASHER
104 - DISPOSAL	15 A	3	3			0.6	5.6			4	--	--	--
--	--	--	5					0.6	5.6	6	--	--	--
--	--	--	7	0.6	0.7					8	1	20 A	108,121 - CONVENIENCE
111A - FIRE PROTECTION	20 A	1	9			0.2	1.8			10	1	20 A	109 - PANINI GRILL
112 - BURNER	20 A	1	11					0.7	0.5	12	1	20 A	133, 117 - CONVENIENCE
111 - EXHAUST HOOD	20 A	1	13	1.2	1.6					14	1	20 A	120 - MICROWAVE
119 - TOASTER	25 A	1	15			2.2	2.5			16	2	30 A	129C - HOT WELLS
129B - HEATED DISH	20 A	1	17					0.5	2.5	18	--	--	--
131 - HEAT LAMPS	20 A	1	19	1.2	0.5					20	1	20 A	128,139 - REFRIGERATORS
132A,B LIGHTS	20 A	1	21			0.4	0.5			22	3	15 A	KMUA-1 ROOF
134 ICE DISPENSER	20 A	1	23					1.2	0.5	24	--	--	--
135 JUICE MACHINE	15 A	1	25	1.2	0.5					26	--	--	--
136 COFFEE BREWER	30 A	2	27			2.5	0.7			28	1	15 A	KEF-1 ROOF
--	--	--	29					2.5	0.9	30	1	15 A	KEF-2 ROOF
138 TEA BREWER	15 A	1	31	1.2						32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
		TOTAL LOAD:		15 kVA		17 kVA		15 kVA					
		TOTAL AMPS:		123 A		141 A		128 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	46884 VA	**CONNECTED LOAD:**	46884 VA
ESTIMATED DEMAND:	37755 VA	**ESTIMATED DEMAND:**	37755 VA
CONNECTED CURRENT:	130 A	**CONNECTED CURRENT:**	130 A
EST. DEMAND CURRENT:	105 A	**EST. DEMAND CURRENT:**	105 A

NOTES:

PANELBOARD: LP01

LOCATION: ELECT 0101
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 200 A MLO
BUS AMPS: 200 AMPS

VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
LITES - LV0	20 A	1	1	0.0	0.0					2	1	20 A	WH-1 RM 0103
LITES - LV0	20 A	1	3			1.5	0.0			4	1	20 A	WH-2 RM 0103
LITES - LV0	20 A	1	5					0.5	0.0	6	1	20 A	WH-3 RM 0103
RCPT - EXTERIOR	20 A	1	7	0.7	0.0					8	1	20 A	WH-4 RM 0103
RCPT - PT/OT AREA	20 A	1	9			1.4	0.2			10	1	20 A	RCPT - IRRIGATION RM...
RCPT -	20 A	1	11					0.2	1.2	12	1	20 A	SP-1 RM 0103
RCPT -	20 A	1	13	1.1	0.9					14	1	15 A	SP-2 RM 0103
RCPT -	20 A	1	15			0.7	1.2			16	1	20 A	SP-3 RM 0103
RCPT -	20 A	1	17					0.7	1.2	18	1	20 A	SP-5 RM 0103
RCPT -	20 A	1	19	0.8	1.5					20	2	20 A	FF-A STAIR B
RCPT -	20 A	1	21			1.0	1.5			22	--	--	--
RCPT - MICRO	20 A	1	23					1.8	1.5	24	2	20 A	FF-A STAIR D
RCPT - MICRO	20 A	1	25	1.8	1.5					26	--	--	--
RCPT -	20 A	1	27			0.7	1.4			28	2	20 A	LV0 FC's
RCPT -	20 A	1	29					1.3	1.4	30	--	--	--
RCPT - LV0 COMMON	20 A	1	31	0.9	1.2					32	1	20 A	CP-1 RM 0103
MV-1 RM 0103	20 A	1	33			1.0	0.7			34	1	20 A	CP-2 RM 0103
			35					7.0		36	3	75 A	CU-1 EXTERIOR
			37		7.0					38	--	--	--
			39				7.0			40	--	--	--
			41							42			
			43							44			
			45							46			
			47							48			
			49							50			
			51							52			
			53							54			
			55							56			
			57							58			
			59							60			
		TOTAL LOAD:		17 kVA		18 kVA		17 kVA					
		TOTAL AMPS:		146 A		154 A		140 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	52667 VA	**CONNECTED LOAD:**	52667 VA
ESTIMATED DEMAND:	42751 VA	**ESTIMATED DEMAND:**	42751 VA
CONNECTED CURRENT:	146 A	**CONNECTED CURRENT:**	146 A
EST. DEMAND CURRENT:	119 A	**EST. DEMAND CURRENT:**	119 A

NOTES:

PANELBOARD: PP01

LOCATION: POOL MECH 0116
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 200 A MLO
BUS AMPS: 200 AMPS

VOLTAGE: 120/208 Wye V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	PHASE A kVA		PHASE B kVA		PHASE C kVA		CKT	POLES	BKR	LOAD DESCRIPTION
LITES -	20 A	1	1	0.5	0.7					2	1	15 A	EF-3
RCPT -	20 A	1	3			0.6	1.2			4	1	20 A	SP-4
RCPT -	20 A	1	5					1.4	0.8	6	1	15 A	ERH-A
RCPT -	20 A	1	7	0.7	1.5					8	2	20 A	FF-A RM 0116
RCPT -	20 A	1	9			0.7	1.5			10	--	--	--
RCPT -	20 A	1	11					0.2	1.0	12	3	20 A	DHU-CU's EXTERIOR
RCPT - EWC	20 A	1	13	1.2	1.0					14	--	--	--
			15				1.0			16	--	--	--
			17						5.4	18	3	60 A	DHU-1
			19		5.4					20	--	--	--
			21				5.4			22	--	--	--
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
		TOTAL LOAD:		11 kVA		10 kVA		9 kVA					
		TOTAL AMPS:		93 A		88 A		73 A					

PANEL TOTALS		PANEL TOTALS	
CONNECTED LOAD:	29954 VA	**CONNECTED LOAD:**	29954 VA
ESTIMATED DEMAND:	23898 VA	**ESTIMATED DEMAND:**	23898 VA
CONNECTED CURRENT:	83 A	**CONNECTED CURRENT:**	83 A
EST. DEMAND CURRENT:	66 A	**EST. DEMAND CURRENT:**	66 A

NOTES:

STEEN ENGINEERING
763-585-6742
763-585-6757 fax
Email: steen@steeneng.com

5430 Douglas Drive North
Minneapolis, MN 55429

in site architects

1000 university ave. w. ø suite 130
st. paul, minnesota 55104
612-252-4820

RICHARD D. BECKER
STATE OF WASHINGTON
22028534
REGISTERED PROFESSIONAL ENGINEER

Signature

Richard D. Becker
Typed or Printed Name

Electrical — Discipline
12/02/24 — Date

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

707 39TH AVENUE SE
PUYALLUP, WA 98374

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

No.	Description	Date

ISA202201
PROJECT NUMBER

DJL — DRAWN BY
JLA — CHECKED BY

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

ELECTRICAL PANEL SCHEDULES

E5.1

12/6/2024 9:12:09 AM

MECHANICAL SYMBOL SCHEDULE

MISCELLANEOUS

SYMBOL	DESCRIPTION
	CONNECT TO EXISTING
	FLOOR ELEVATION POINT
1	KEY NOTE
P2A	PLUMBING FIXTURE ID
R-XX	DOM. WATER RISER SYMBOL
W-XX	WASTE RISER SYMBOL
H-XX	HYDRONIC RISER SYMBOL
XXX	MECHANICAL EQUIPMENT
XX	EQUIPMENT BY OTHERS
	IN-LINE PUMP
X	REVISION

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BCW	BOOSTED COLD WATER
BHW	BOOSTED HOT WATER
BOB	BOTTOM OF BEAM
BOP	BOTTOM OF PIPE
BOFA	BOTTOM OF FLOOR ABOVE
CA	COMBUSTION AIR
CONT	CONTINUATION
CO	CLEAN OUT
CS	COUNTER SINK
CW	COLD WATER
CWB	CONDENSATE WALL BOX
DN	DOWN
DIA	DIAMETER
DSN	DOWN SPOUT NOZZLE
DTL	DETAIL
EA	EXHAUST AIR
ECM	ELECTRONICALLY COMMUTATED MOTOR
FSEC	FOOD SERVICE EQUIP. CONTR.
FFE	FINISHED FLOOR ELEVATION
FCW	FILTERED COLD WATER
FU	FIXTURE UNITS
GC	GENERAL CONTRACTOR
HW	HOT WATER
HCW	HARD COLD WATER
KS	KITCHEN SINK
LAV	LAVATORY
INV	INVERT ELEVATION
MS	MOP SINK
NIC	NOT IN CONTRACT
NP	NON-POTABLE
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
SD	STORM DRAINAGE SYSTEM
SF	SQUARE FEET
SHR	SHOWER
SS	SANITARY SEWER SYSTEM
SV	STACK VENT
TTFD	TELL-TALE FLOOR DRAIN
UNO	UNLESS NOTED OTHERWISE
V	VENT
VFD	VARIABLE FREQUENCY DRIVE
VS	VENT STACK
VTR	VENT THRU ROOF
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WS	SANITARY WASTE STACK

VALVES AND PIPE FITTINGS

SYMBOL	DESCRIPTION
	SHUT-OFF VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	DOUBLE CHECK VALVE OR RPZ
	FLOW FITTING
RHW	DOMESTIC RECIRCULATING HOT WATER BALANCING ASSEMBLY
	CHECK VALVE
	BALANCING FULL PORT BALL VALVE
	VALVE IN VERTICAL
	BALL/BALANCING VALVE
	HOSE BIB OR WALL HYDRANT
	ELBOW UP
	ELBOW DOWN
	TEE UP
	TEE DOWN
	PIPE CAP
	UNION
	STRAINER
	PIPE ANCHOR
	EXPANSION JOINT
	PIPE GUIDE
CO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
	GAS PRESSURE REGULATOR
	WATER PRESSURE REGULATOR
	FLOW DIRECTION
	CONTROL VALVE
	3 WAY CONTROL VALVE
S	SOLENOID VALVE
3" 4"	INCREASER OR REDUCER
M	WATER OR GAS METER

PLUMBING AND PIPE LABELS

SYMBOL	DESCRIPTION
(C)RD	ROOF DRAIN (CONTROL FLOW)
OFD	OVERFLOW DRAIN
	DOWNSPOUT DISCHARGE
	FLOOR DRAIN
FS	FLOOR SINK
BWV	BACK WATER CHECK VALVE
	SHOCK ARRESTOR
	PIPE BREAK
SS	SAN SEWER-ABOVE GRADE
SS	SAN SEWER-BELOW GRADE
GW	GREASE WASTE
FW	FLAMMABLE WASTE
FV	FLAMMABLE WASTE VENT
V	SANITARY VENT
CW	DOMESTIC COLD WATER
HCW	HARD COLD WATER
HW	DOMESTIC HOT WATER
RHW	DOMESTIC RECIRCULATING HOT WATER
180	DOMESTIC HOT WATER 180°F
O_2	OXYGEN
VAC	MEDICAL VAC
IG	NATURAL INTERRUPTABLE GAS
G	NATURAL FIRM GAS
HG	NATURAL GAS - HOUSE METER
PG	PROPANE GAS
DT	BUILDING DRAIN TILE
SD	STORM DRAIN - ABOVE GRADE
SD	STORM DRAIN - BELOW GRADE
OSD	OVERFLOW STORM DRAIN -ABOVE GRADE
RV	RADON VENT

HEATING

SYMBOL	DESCRIPTION
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
HWRR	HOT WATER REVERSE RETURN
GWS	GLYCOL WATER SUPPLY
GWR	GLYCOL WATER RETURN

AIR CONDITIONING

SYMBOL	DESCRIPTION
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
CD	CONDENSATE DRAIN PIPE

TEMPERATURE CONTROL AND SENSORS

SYMBOL	DESCRIPTION
T	THERMOSTAT
H	HUMIDISTAT
S	SPACE TEMPERATURE SENSOR
CO	CARBON MONOXIDE SENSOR
CO NO2	CARBON MONOXIDE & NITROGEN DIOXIDE SENSOR
CO2	CARBON DIOXIDE SENSOR
PS	PRESSURE SENSOR
	THERMOMETER

SHEET METAL

SYMBOL	DESCRIPTION
	AIR SUPPLY
	RETURN OR EXHAUST AIR
24/12	DUCT, WIDTH/DEPTH
12"ø	DUCT, DIAMETER
	DUCT, FLEXIBLE TO RIGID
	DUCT AIR SUPPLY, UP
	DUCT AIR RETURN OR EXHAUST, UP
	DUCT AIR SUPPLY, DOWN
	DUCT AIR RETURN OR EXHAUST, DOWN
	DUCT BREAK
	CEILING DIFFUSER
	LINEAR DIFFUSER
	WALL/SOFFIT REGISTER
	RETURN/EXHAUST AIR GRILLE
F S	FIRE/SMOKE DAMPER
S D	SMOKE DAMPER
F D	FIRE DAMPER
R D	CEILING RADIATION DAMPER
B	GRAVITY BACKDRAFT DAMPER
M	MOTORIZED DAMPER
	BALANCING DAMPER
	CAPPED DUCT
	FLEXIBLE CONNECTION
A 24/12 250	REGISTER/DIFFUSER A (TYPE) 24/12 (SIZE) 250 (CFM)
H 10 400	DIFFUSER H (TYPE) 10"(NECK DIA.) 400 (CFM)
C 24/24	RETURN AIR GRILLE C (TYPE) 24/24 (SIZE)
C1-2-10 250	LINEAR DIFFUSER C1 (TYPE) 2 (# SLOTS) 10" (NECK DIA.), 250 (CFM)

NOTE: NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS.

F:\LIB\SCHEDULESECHSYMSCH.DWG 3/8/19

MECHANICAL SHEET INDEX

Provide plumbing equipment schedule for review.

STEEN ENGINEERING
763-585-6742
763-585-6757 fax
Email: steen@steeneng.com

5430 Douglas Drive North
Minneapolis, MN 55429

Please see M2.0A and other applicable locations for duct openings in rated assembly.

GENERAL HVAC NOTES

A. DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL ARCHITECTURAL, STRUCTURAL, PLUMBING, AND ELECTRICAL PLANS AND SPECIFICATIONS. PLACEMENT OF EQUIPMENT AND DEVICES SHALL NOT INTERFERE WITH LOCATIONS OR CLEARANCES OF OTHER TRADE'S MATERIALS OR EQUIPMENT.

B. ALL SYSTEMS, MATERIAL AND INSTALLATION SHALL MEET STATE AND LOCAL CODES.

C. CONTRACTOR SHALL PROVIDE PIPE AND DUCT OFFSETS AND TRANSITIONS AS REQUIRED TO ACCOMMODATE STRUCTURE AND ARCHITECTURE.

D. RETURN GRILLES SHALL BE PROVIDED WITH LINED BOOT AND ELBOW FITTINGS.

E. FLOOR MOUNTED HVAC EQUIPMENT SHALL BE PROVIDED WITH A 4" HIGH CONCRETE PAD THAT EXTENDS A MINIMUM 2" BEYOND EDGE OF EQUIPMENT. PADS SHALL BE PROVIDED BY THIS CONTRACTOR.

F. DUCT SIZES SHOWN ARE FREE AREA. INCREASE DUCT SIZE AS REQUIRED TO ACCOMMODATE INTERNAL INSULATION.

G. KITCHEN HOODS ARE FURNISHED BY OTHERS AND INSTALLED BY MECHANICAL CONTRACTOR. VERIFY EXACT NECK SIZES AND MAKE ALL NECESSARY CONNECTIONS TO HOOD(S) AS SHOWN.

H. PROVIDE 3/4" CONDENSATE RUNOUT FOR EACH FAN COIL SHOWN. PITCH PIPING 1/8" PER FOOT. SEE HVAC PLANS AND RISERS FOR ROUTING AND ADDITIONAL SIZING.

I. COORDINATE SPACE SENSOR/THERMOSTAT LOCATIONS WITH OTHER TRADES AND ARCHITECT PRIOR TO ROUGH-IN AND INSTALLATION.

J. TAKE-OFFS TO ALL SUPPLY DIFFUSERS AND GRILLES SHALL HAVE MANUAL BALANCING DAMPERS.

K. DUCT RUNOUTS ARE EQUAL TO GRILLE AND DIFFUSER NECK SIZES SHOWN UNLESS INDICATED OTHERWISE.

L. PROVIDE ISOLATION VALVES AT EACH PIECE OF EQUIPMENT AND AT EACH BRANCH TAKE OFF FROM PIPING MAINS.

M. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES AS WELL AS ALL LINE VOLTAGE AND LOW VOLTAGE WIRING NECESSARY TO INSTALL AND MAKE FULLY OPERATIONAL SPECIFIED CONTROL SYSTEMS, UNLESS NOTED OTHERWISE.

GENERAL PLUMBING KITCHEN NOTES

A. THIS CONTRACTOR SHALL REFER TO THE KITCHEN CONSULTANTS PLAN FOR CLARIFICATION AND ADDITIONAL WORK REQUIRED.

B. ALL PLUMBING IN MAIN KITCHEN TO BE ENCLOSED IN A WALL OR FLOOR AND EXPOSED PIPING RUNS BE AS SHORT AS POSSIBLE. EXPOSED HORIZONTAL PIPING MUST BE 6" A.F.F. AND MIN. 1" OFF THE WALL. ALL EXPOSED PIPING MUST BE CHROME PLATED.

C. ALL INDIRECT WASTES FOR FOOD SERVICE EQUIPMENT SHALL BE EXTENDED TO FLOOR DRAIN BY DIV. 22, UNLESS NOTED OTHERWISE.

Separate Permits are required for hoods and ducts.

GENERAL PLUMBING NOTES

A. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS. NEITHER THE DRAWINGS NOR THE SPECIFICATIONS SHALL BE COMPLETE WITHOUT THE OTHER.

B. DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.

C. PLACEMENT OF EQUIPMENT AND DEVICES SHALL NOT INTERFERE WITH LOCATION NOR CLEARANCES OF OTHER TRADE'S MATERIALS OR EQUIPMENT.

D. CONTRACTOR SHALL PROVIDE PIPE OFFSETS AND TRANSITIONS AS REQUIRED TO ACCOMMODATE STRUCTURE AND ARCHITECTURE.

E. COORDINATE LOCATION AND ELEVATION OF ALL EXTERIOR WALL AND ROOF PENETRATIONS WITH ARCHITECT.

F. PRIOR TO INSTALLING PLUMBING VENTS THRU ROOF, COORDINATE WITH ARCHITECT TO MEET APPEARANCE REQUIREMENTS.

G. ALL BRANCH TAKE-OFFS SHALL HAVE ISOLATION SHUT-OFF VALVES.

H. PROVIDE A PLASTIC FLOOR DRAIN IN AREAS WHERE CONDENSATE DISCHARGES FROM HIGH EFFICIENCY EQUIPMENT, SUCH AS SEALED COMBUSTION WATER HEATERS.

I. THIS CONTRACTOR TO PROVIDE COMBINATION HOT AND COLD FAUCETS THAT HAVE THREADED OUTLETS WITH INTERNAL CHECK VALVES OR IN-LINE CHECK VALVES INSTALLED UPSTREAM IN THE BRANCH LINES SERVING THIS TYPE OF FAUCET. THIS INCLUDES THE COMBINATION FAUCETS SUPPLIED BY FOOD SERVICE EQUIPMENT SUPPLIERS.

J. ALL FLOOR DRAINS AND PLUMBING FIXTURES LOCATED BELOW STREET CURB ELEVATION AT SANITARY SEWER EXIT LOCATION SHALL HAVE BACKWATER CHECK VALVES.

K. ALL DOMESTIC HOT AND COLD WATER PEX PIPING SHALL MAINTAIN A 2" SPACING AND HAVE INDIVIDUAL FLOOR AND WALL PENETRATIONS.

L. FLOOR MOUNTED PLUMBING EQUIPMENT SHALL BE PROVIDED WITH A 4" HIGH CONCRETE PAD BY THIS CONTRACTOR. EXTEND A MINIMUM OF 2" BEYOND THE EDGE OF THE EQUIPMENT.

M. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES AS WELL AS ALL LINE VOLTAGE AND LOW VOLTAGE WIRING NECESSARY TO INSTALL AND MAKE FULLY OPERATIONAL SPECIFIED CONTROL SYSTEMS, UNLESS NOTED OTHERWISE.

N. ADJUST ALL DOMESTIC RECIRCULATION BALANCING VALVES TO 0.5 GPM UNLESS NOTED OTHERWISE.

Provide trap seal protection per mechanical engineer. Trap primers or other UPC approved trap seals.

Provide cross connection protection in the form of air gaps, double

in site architects
1000 university ave. w. # suite 130
st. paul, minnesota 55104
612-252-4820

MARK R. BRENGMAN
STATE OF WASHINGTON
45586
REGISTERED PROFESSIONAL ENGINEER

Signature

Mark R. Brengman
Typed or Printed Name

Mechanical — Discipline
12/02/24 — Date

WESLEY BRADLEY PARK PHASE 2 - CARE CENTER

707 39TH AVENUE SE
PUYALLUP, WA 98374

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

No.	Description	Date

ISA202201
PROJECT NUMBER

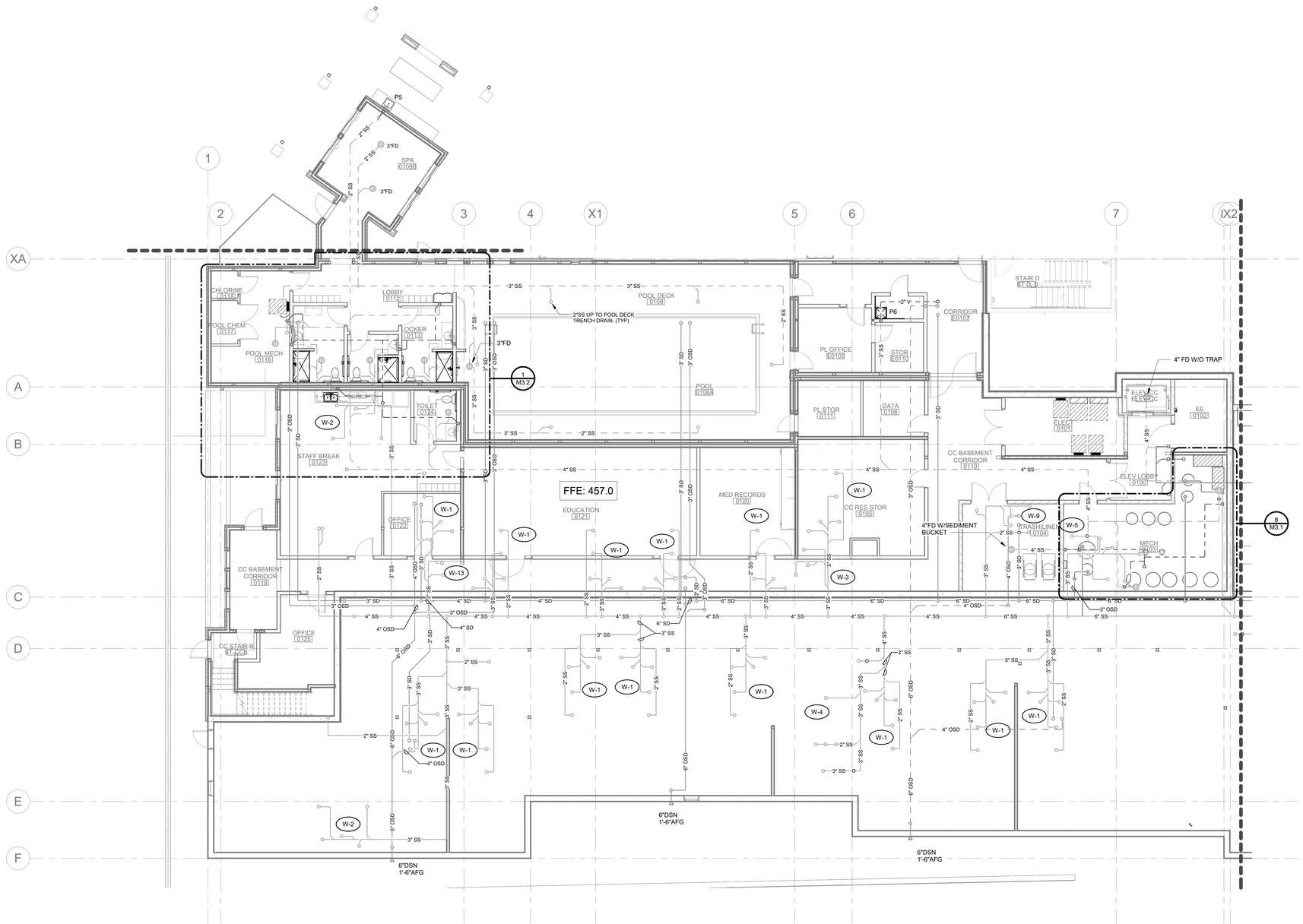
RDB/DCA — DRAWN BY
MRB/RDB — CHECKED BY

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

MECHANICAL TITLE SHEET

M0.0

12/6/2024 9:12:10 AM



1 LEVEL 0 - WASTE AND VENT FLOOR PLAN NORTH
1/8" = 1'-0"

STEEN ENGINEERING
763-585-6742
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5430 Douglas Drive North
Minneapolis, MN 55429

in site architects
1000 university ave. w. suite 130
st. paul, minnesota 55104
612-252-4820

MARK R. BRENGMAN
STATE OF WASHINGTON
45586
REGISTERED PROFESSIONAL ENGINEER

Signature

Mark R. Brengman
Typed or Printed Name

Mechanical — Discipline
12/02/24 — Date

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER
707 39TH AVENUE SE
PUYALLUP, WA 98374

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RDB — CHECKED BY

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

LEVEL 0 WASTE & VENT
PLAN NORTH

M1.0AA

NORTH

REFER TO SHEET M0.0 FOR NOTES

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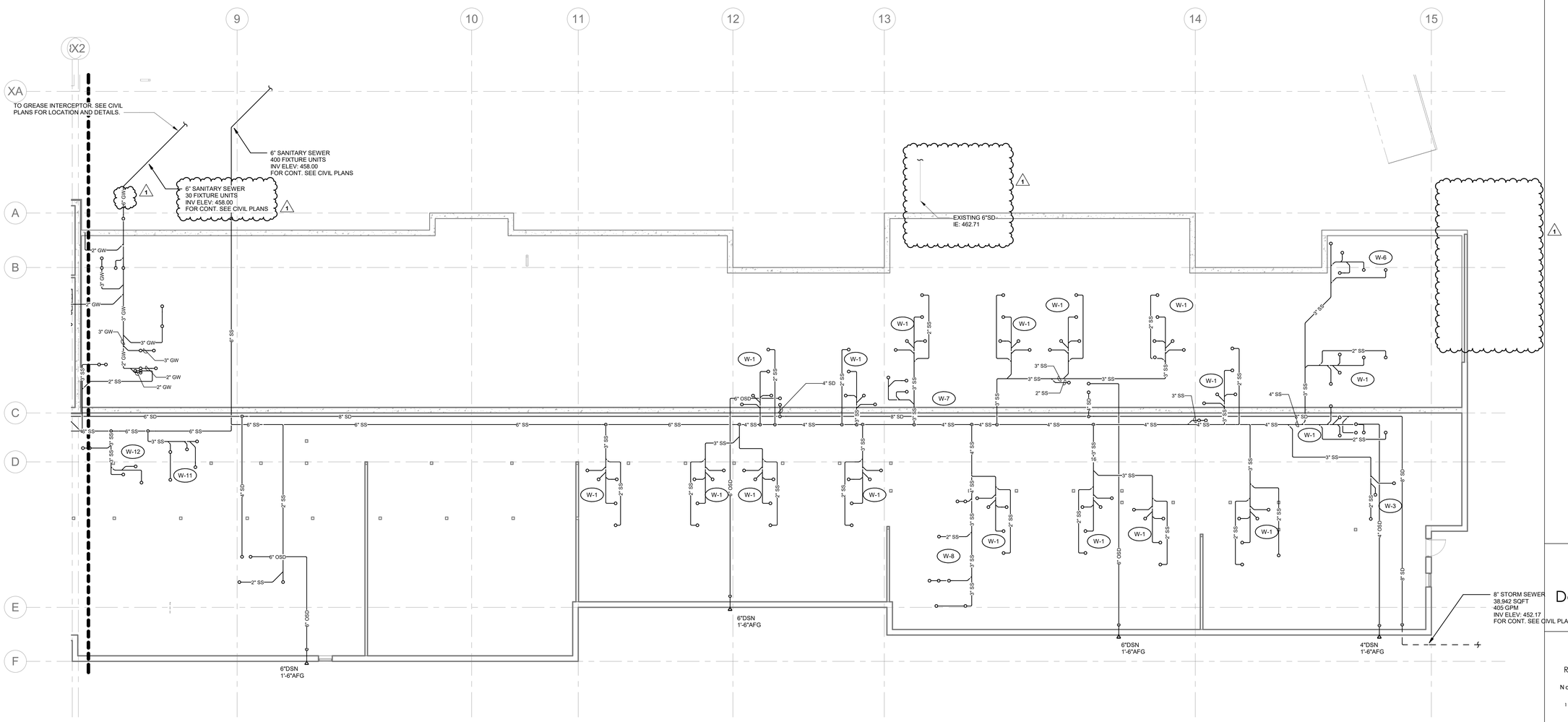
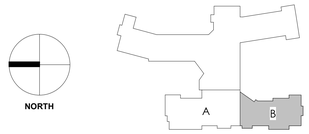
CARE CENTER
PERMIT SET
December 2, 2024



1 LEVEL 0 - WASTE AND VENT FLOOR PLAN SOUTH
1/8" = 1'-0"

REVISIONS

No.	Description	Date
1	PERMIT RESUBMIT	4/14/25



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ISA202201
PROJECT NUMBER

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WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

LEVEL 0 WASTE & VENT PLAN SOUTH

M1.0AB

4/12/2025 7:59:21 AM

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City of Puyallup
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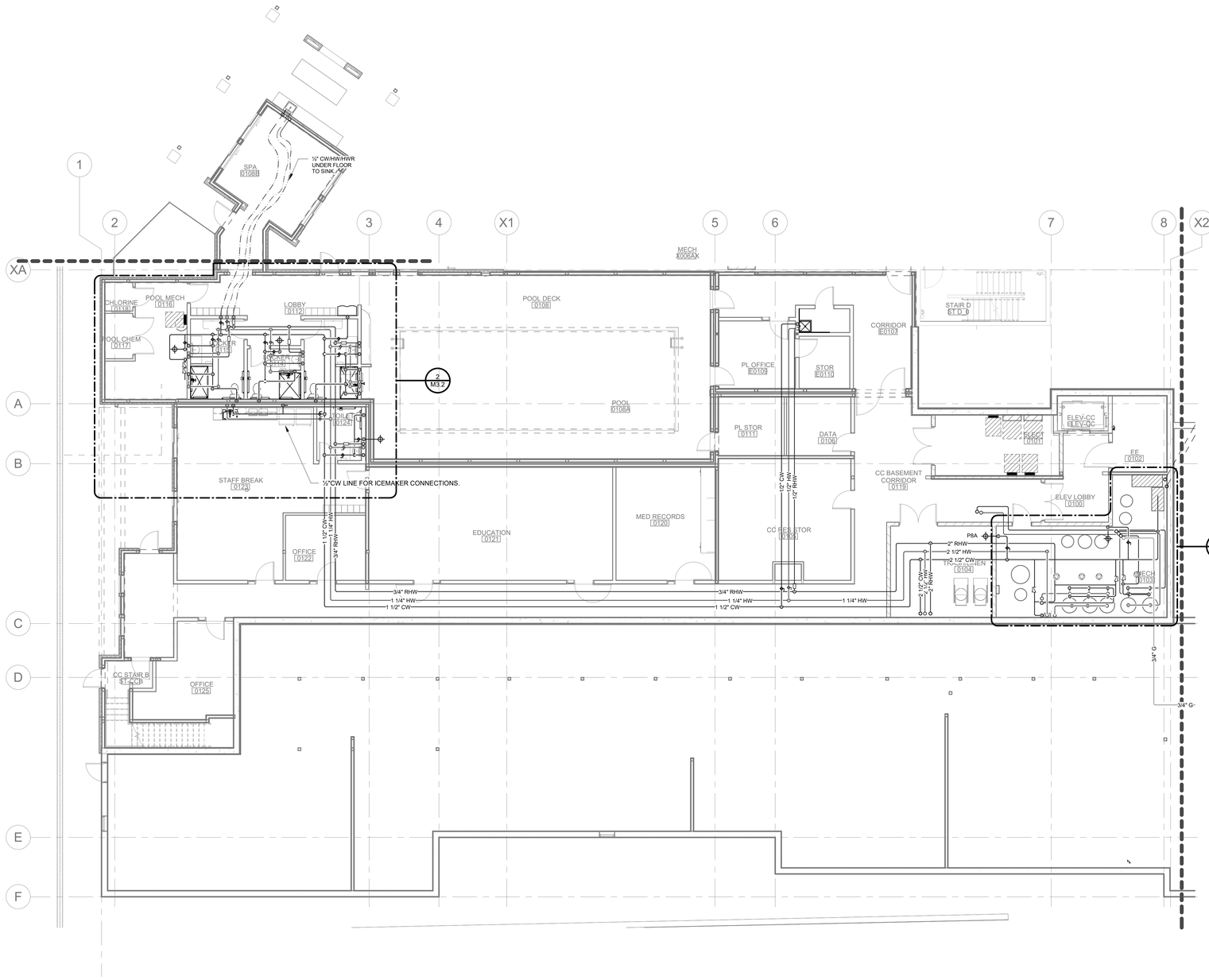
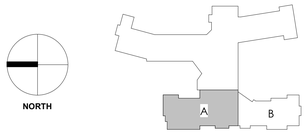
CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

No.	Description	Date



1 LEVEL 0 - WATER AND GAS FLOOR PLAN NORTH
1/8" = 1'-0"



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PROJECT NUMBER

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PHASE 2 - CARE CENTER

LEVEL 0 WATER & GAS
PLAN NORTH

M1.0BA

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12/02/24 — Date

WESLEY BRADLEY PARK PHASE 2 - CARE CENTER

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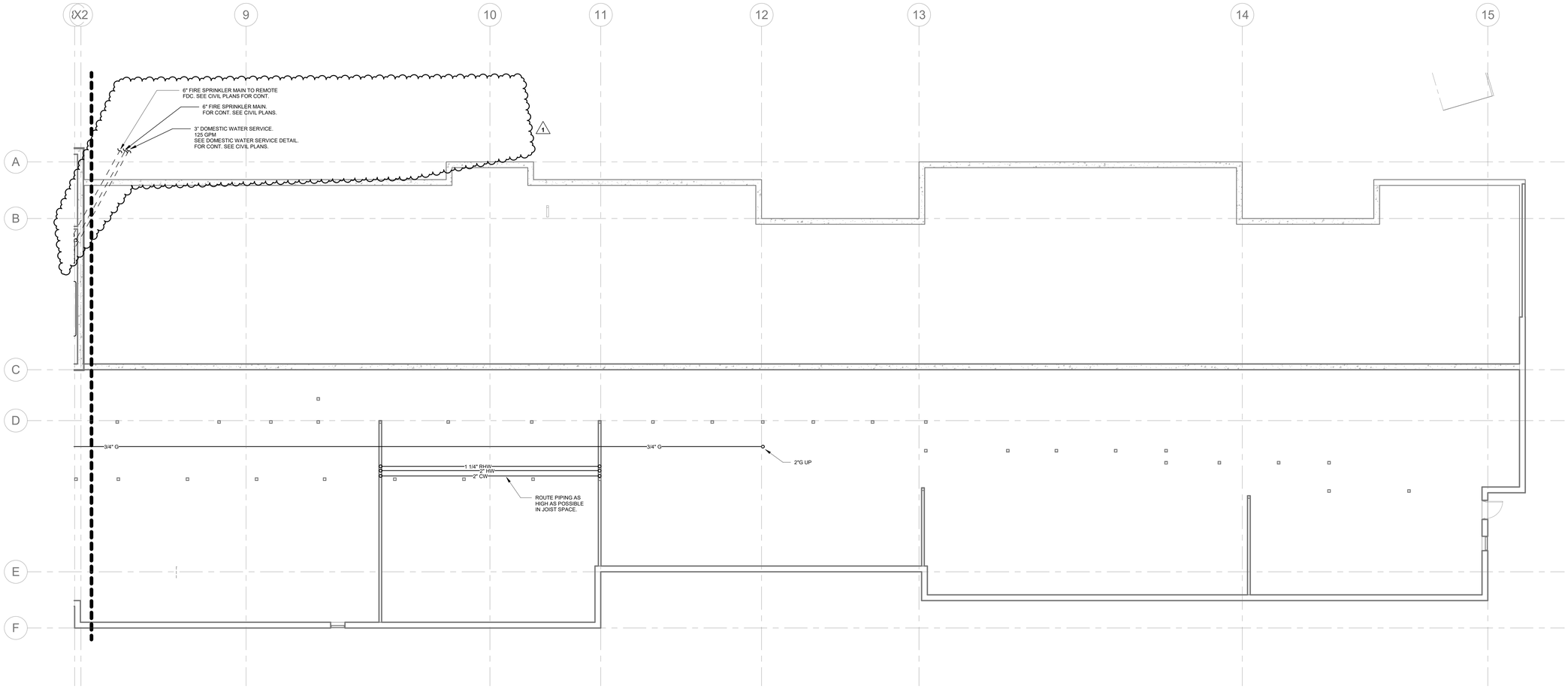

1 LEVEL 0 - WATER AND GAS FLOOR PLAN SOUTH
1/8" = 1'-0"

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
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CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

No.	Description	Date
1	PERMIT RESUBMIT	4/14/25

ISA202201
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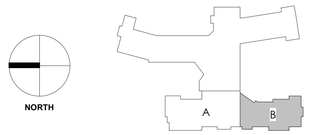
PHASE 2 - CARE CENTER

LEVEL 0 WATER & GAS
PLAN SOUTH

M1.0BB



REFER TO SHEET M0.0 FOR NOTES

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Mechanical — Discipline
12/02/24 — Date

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER
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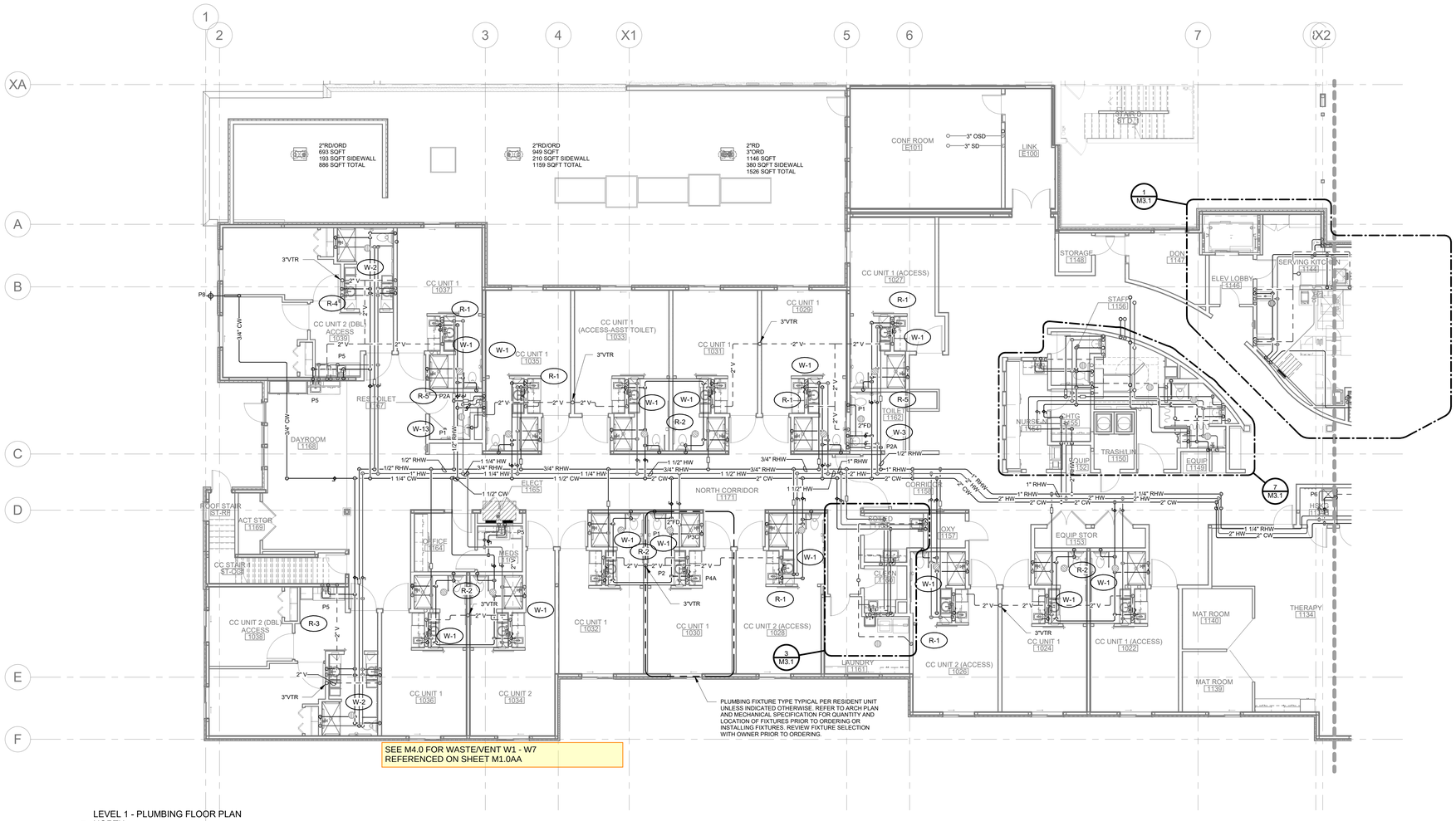
PUYALLUP, WA 98374



1 LEVEL 1 - PLUMBING FLOOR PLAN
NORTH
1/8" = 1'-0"

City of Puyallup
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CARE CENTER
PERMIT SET
December 2, 2024

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LEVEL 1 PLUMBING PLAN
NORTH

M1.1A

NORTH

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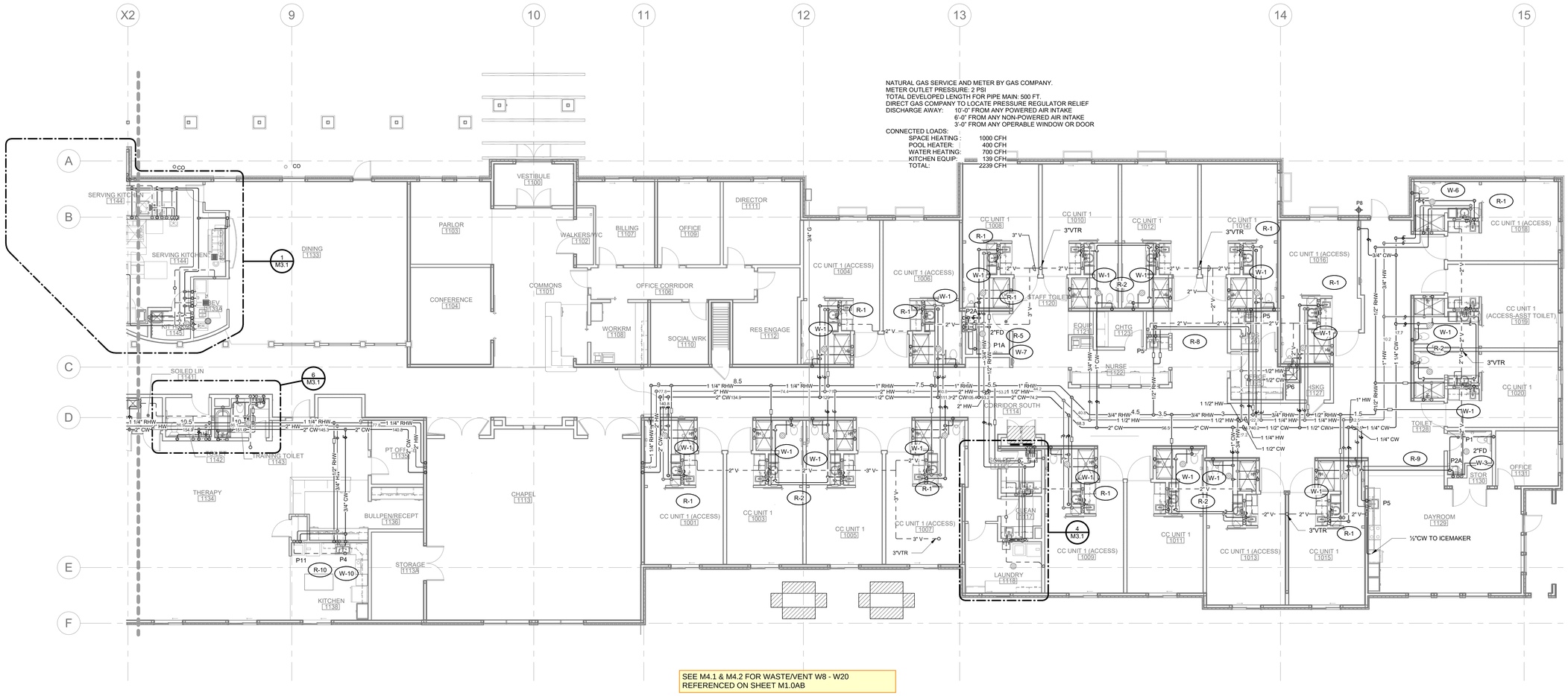
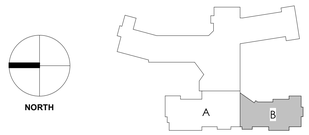
NATURAL GAS SERVICE AND METER BY GAS COMPANY.
METER OUTLET PRESSURE: 2 PSI
TOTAL DEVELOPED LENGTH FOR PIPE MAIN: 500 FT.
DIRECT GAS COMPANY TO LOCATE PRESSURE REGULATOR RELIEF
DISCHARGE AWAY: 10'-0" FROM ANY POWERED AIR INTAKE
6'-0" FROM ANY NON-POWERED AIR INTAKE
3'-0" FROM ANY OPERABLE WINDOW OR DOOR

CONNECTED LOADS:
SPACE HEATING : 1000 CFH
POOL HEATER: 400 CFH
WATER HEATING: 700 CFH
KITCHEN EQUIP: 139 CFH
TOTAL: 2239 CFH



SEE M4.1 & M4.2 FOR WASTE/VENT W8 - W20
REFERENCED ON SHEET M1.0AB

LEVEL 1 - PLUMBING FLOOR PLAN
SOUTH
1/8" = 1'-0"



REFER TO SHEET M0.0 FOR NOTES

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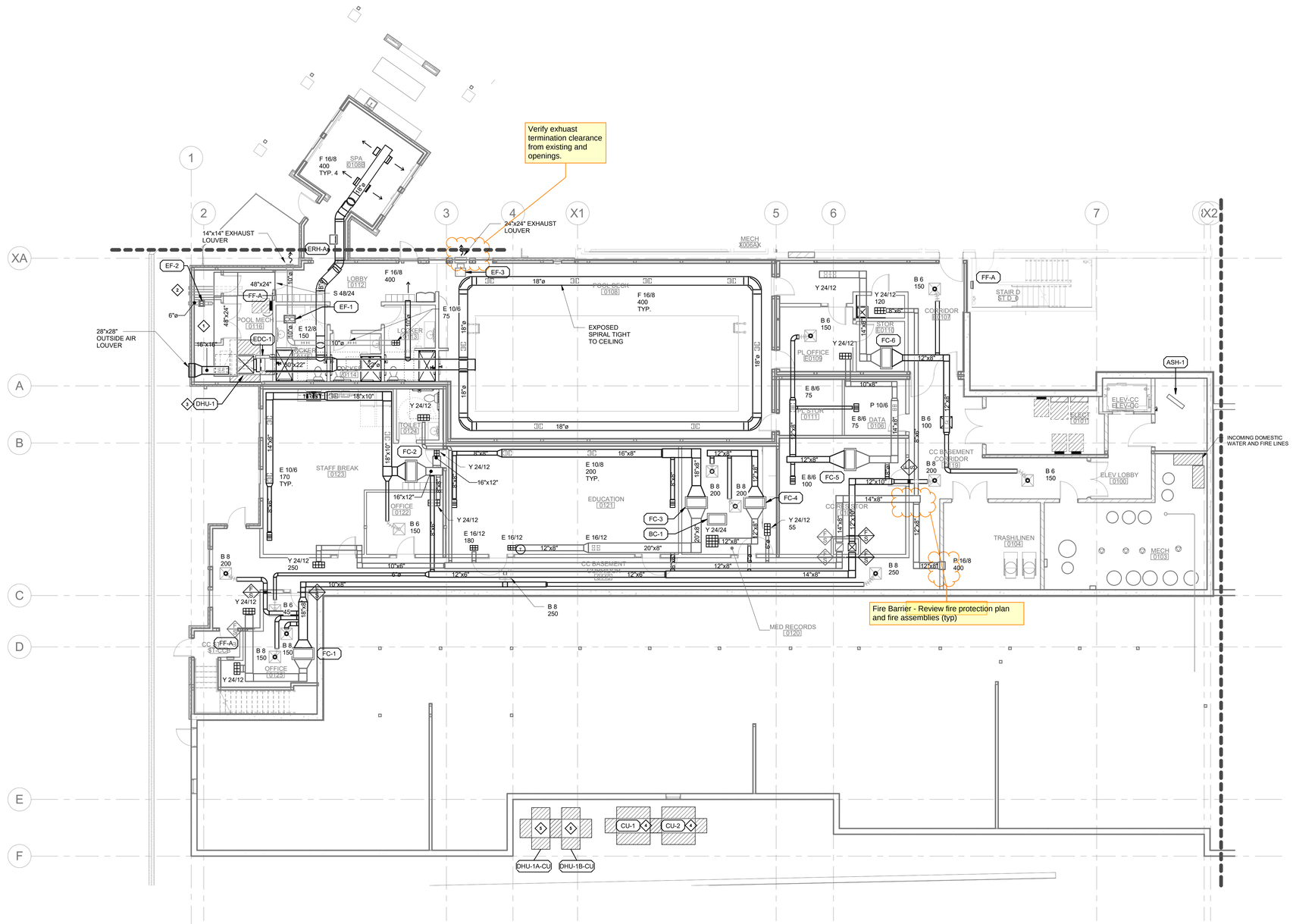
PHASE 2 - CARE CENTER

LEVEL 1 PLUMBING PLAN
SOUTH

M1.1B

12/6/2024 9:12:24 AM



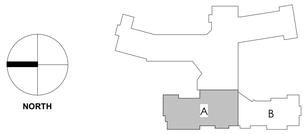
1 LEVEL 0 - HVAC FLOOR PLAN NORTH
1/8" = 1'-0"

KEY NOTES:

1. POOL AND SPA EQUIPMENT (PROVIDED BY OTHERS).
2. HORIZONTAL FLUE VENT HOOD. INSTALL EXHAUST MINIMUM 10' FROM OPERABLE OPENINGS AND MECHANICAL AIR INTAKES.
3. POOL DEHUMIFICATION UNIT SHALL BE INSTALLED ON 4" CONCRETE PAD OR APPROVED HOUSEKEEPING PAD EQUIVALENT.
4. VRF OUTDOOR CONDENSING UNIT. INSTALL ON LEVEL CONCRETE PAD OR APPROVED HOUSEKEEPING PAD.
5. POOL REMOTE AIR-COOLED CONDENSER UNIT. INSTALL ON LEVEL CONCRETE PAD OR APPROVED HOUSEKEEPING PAD.

SHEET NOTES:

1. VRF EQUIPMENT (BC/SUB-BC CONTROLLERS, OUTDOOR CONDENSING UNITS, INDOOR FAN COIL UNITS ARE SHOWN ON FLOOR PLANS. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR ADDITIONAL INFORMATION.



REFER TO SHEET M0.0 FOR NOTES

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REGISTERED PROFESSIONAL ENGINEER
Signature
Mark R. Brengman
Typed or Printed Name
Mechanical
Discipline
12/02/24
Date

WESLEY BRADLEY PARK PHASE 2 - CARE CENTER

707 39TH AVENUE SE
PUYALLUP, WA 98374

City of Puyallup
Development & Permitting Services
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CARE CENTER
PERMIT SET
December 2, 2024

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WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

LEVEL 0 HVAC PLAN NORTH

M2.0A

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12/02/24 — Date

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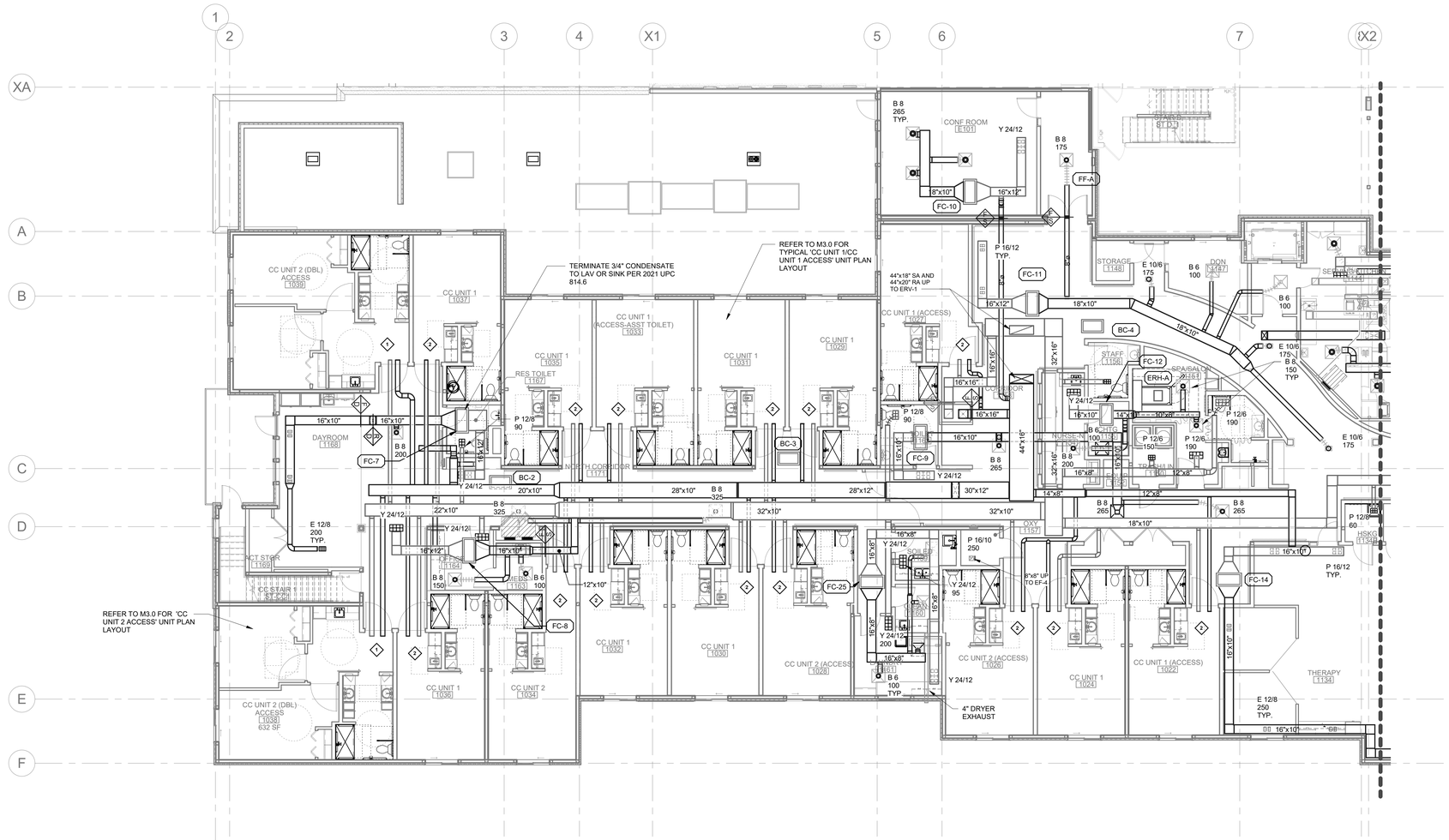


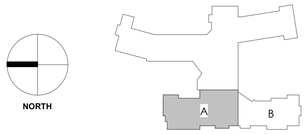
1 LEVEL 1 - HVAC FLOOR PLAN NORTH
1/8" = 1'-0"

KEY NOTES:

1. 6" DIA. OUTSIDE AIR AND EXHAUST DUCT SERVING BATHROOM. REFER TO TYPICAL UNIT PLAN 'CC UNIT 2' ON M3.0 FOR CONTINUATION.
2. 6" DIA. OUTSIDE AIR AND EXHAUST DUCT FROM CORRIDOR. REFER TO TYPICAL UNIT PLAN 'CC UNIT 1' ON M3.0 FOR CONTINUATION.

SHEET NOTES:

1. VRF EQUIPMENT (BC/SUB-BC CONTROLLERS, OUTDOOR CONDENSING UNITS, INDOOR FAN COIL UNITS ARE SHOWN ON FLOOR PLANS. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR ADDITIONAL INFORMATION.



REFER TO SHEET M0.0 FOR NOTES

City of Puyallup
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CARE CENTER
PERMIT SET
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WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

LEVEL 1 HVAC PLAN
NORTH

M2.1A

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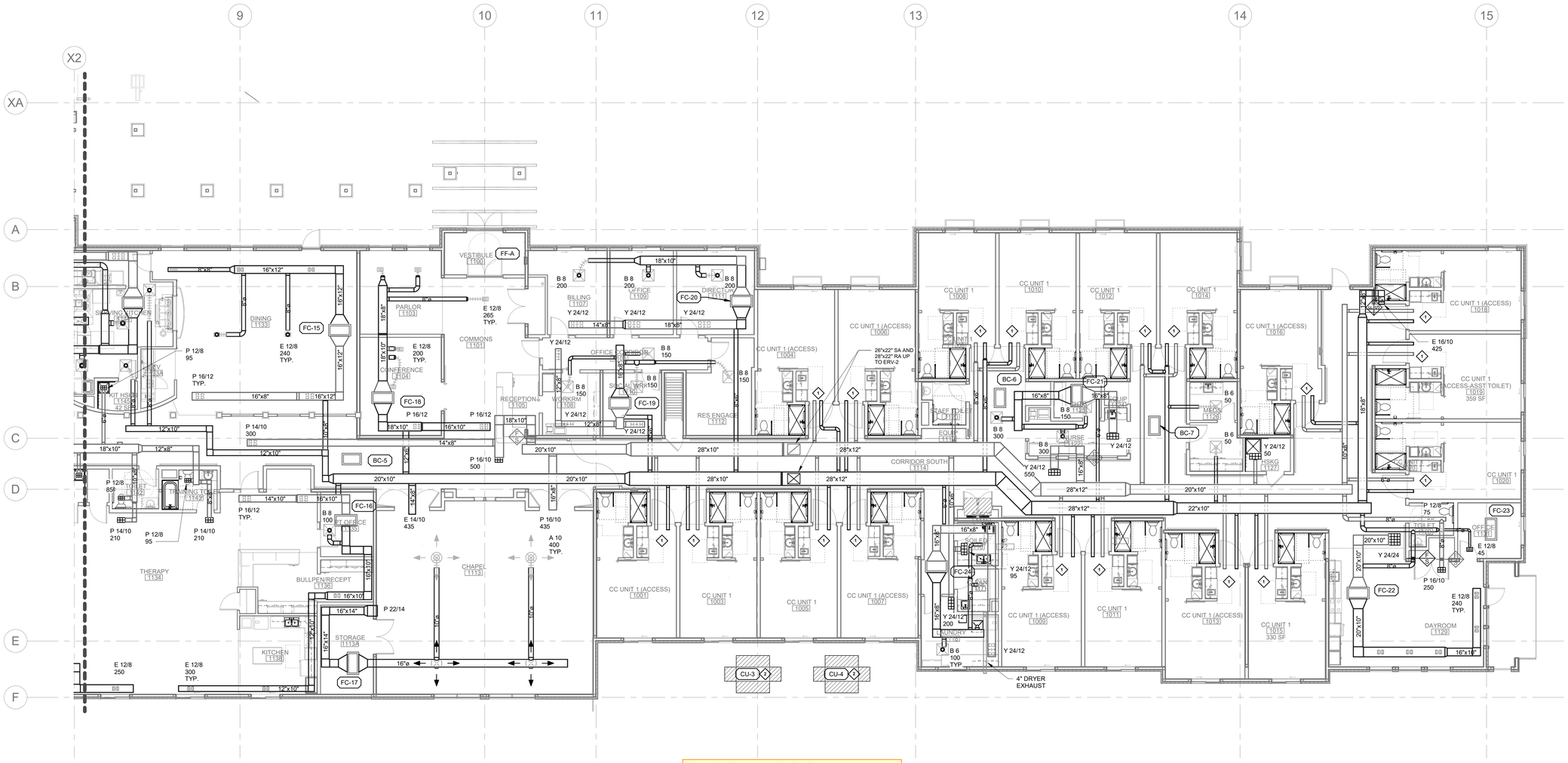
Building | Planning | Engineering | Public Works | Fire | Traffic

CARE CENTER
PERMIT SET
December 2, 2024



1 LEVEL 1 - HVAC FLOOR PLAN SOUTH
1/8" = 1'-0"

SEE M4.3 FOR PLUMBING RISERS R1 - R7
REFERENCED ON SHEET M1.1A

KEY NOTES:

1. 6" DIA. OUTSIDE AIR AND EXHAUST DUCT FROM CORRIDOR. REFER TO TYPICAL UNIT PLAN 'CC UNIT 1' ON M3.0 FOR CONTINUATION.
2. VRF OUTDOOR CONDENSING UNIT. INSTALL ON LEVEL CONCRETE PAD OR APPROVED HOUSEKEEPING PAD.

SHEET NOTES:

1. VRF EQUIPMENT (BC/SUB-BC CONTROLLERS, OUTDOOR CONDENSING UNITS, INDOOR FAN COIL UNITS ARE SHOWN ON FLOOR PLANS. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR ADDITIONAL INFORMATION.

REFER TO SHEET M0.0 FOR NOTES

REVISIONS

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LEVEL 1 HVAC PLAN SOUTH

M2.1B

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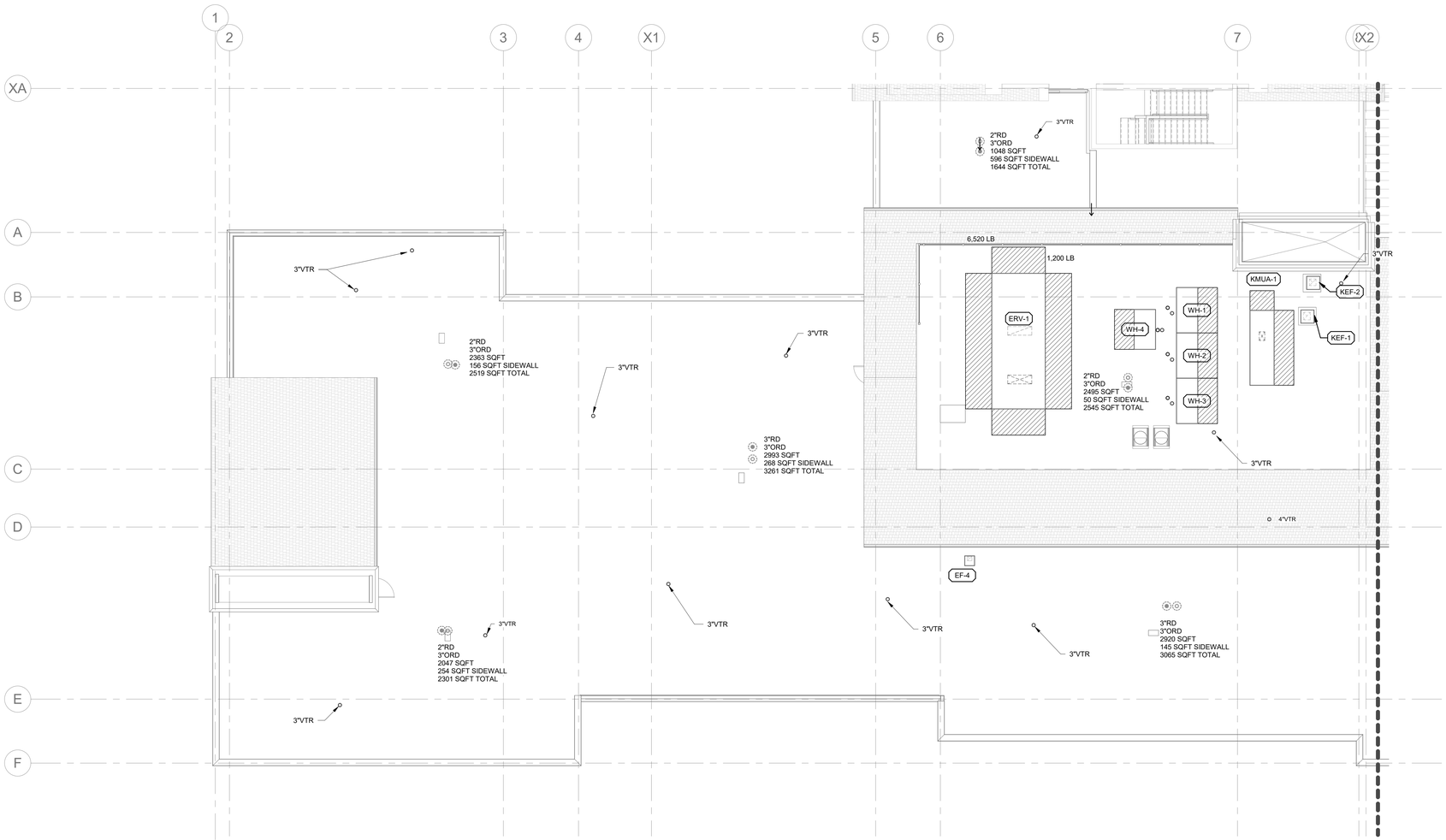
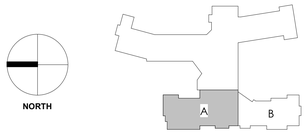


1 MECHANICAL ROOF PLAN NORTH
1/8" = 1'-0"

SHEET NOTES:

1. EXHAUST VENTS/OUTLETS SHALL BE LOCATED 10'-0" CLEAR OF MECHANICAL AIR INTAKES.

SEE M4.4 & M4.5 FOR PLUMBING RISERS R8 - R15 REFERENCED ON SHEET M1.1A



REFER TO SHEET M0.0 FOR NOTES

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WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

MECHANICAL ROOF PLAN NORTH

M2.2A

12/6/2024 9:12:35 AM

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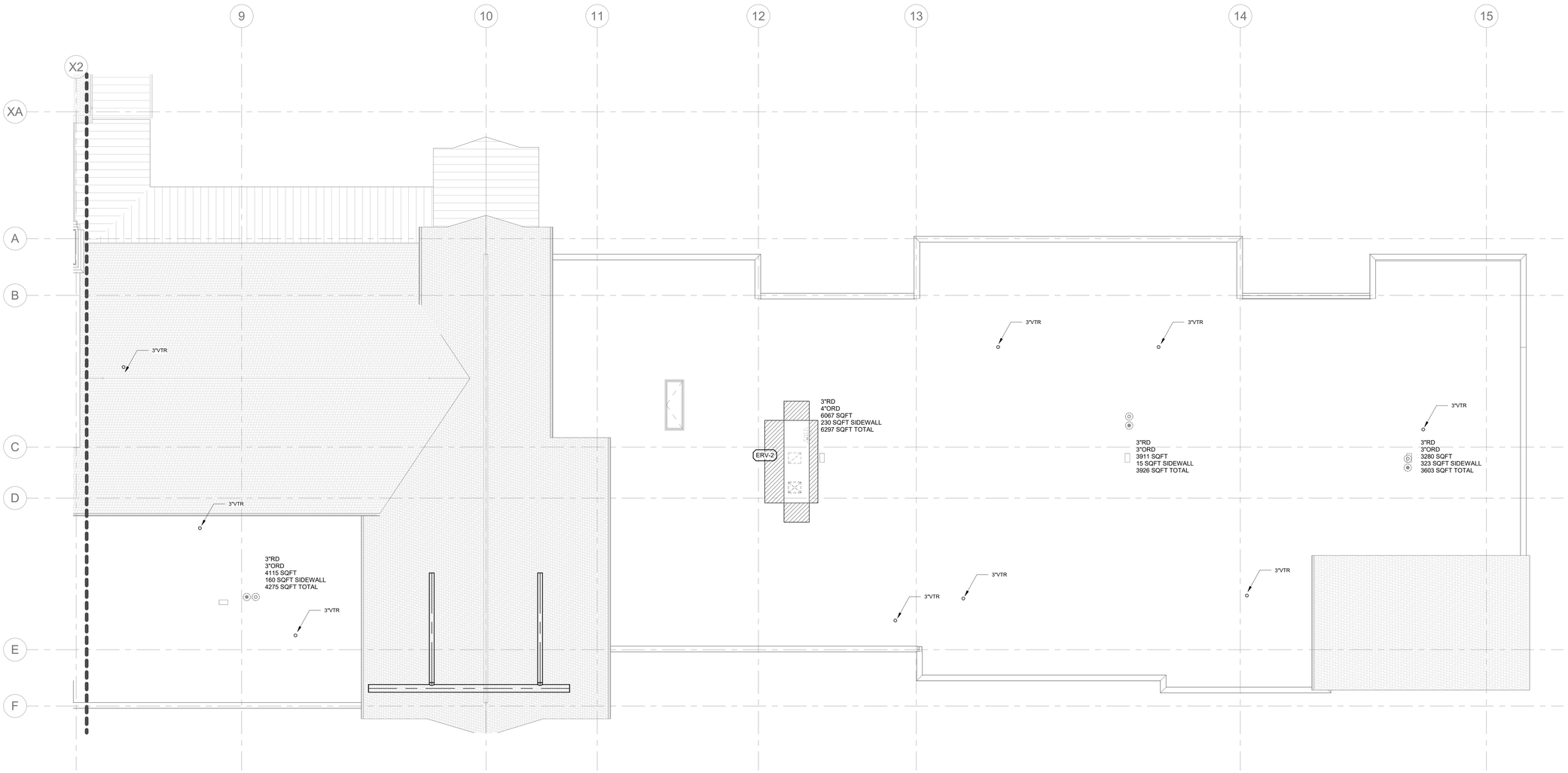
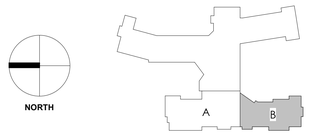


1 MECHANICAL ROOF PLAN SOUTH
1/8" = 1'-0"

SHEET NOTES:

1. EXHAUST VENTS/OUTLETS SHALL BE LOCATED 10'-0" CLEAR OF MECHANICAL AIR INTAKES.



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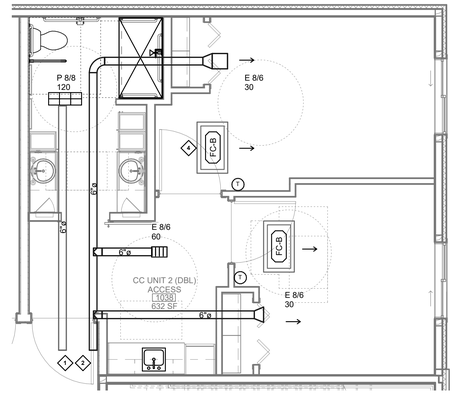
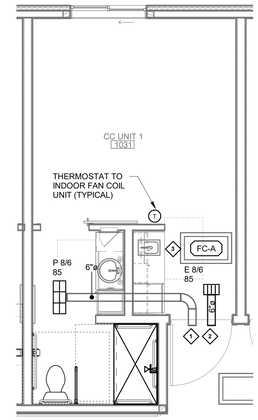
MECHANICAL ROOF PLAN SOUTH

M2.2B

12/6/2024 9:12:36 AM



2 CC UNIT 2 (DBL) HVAC PLAN
1/4" = 1'-0"



1 CC UNIT 1 HVAC PLAN
1/4" = 1'-0"

KEY NOTES:

1. MECHANICAL EXHAUST DUCT. REFER TO FLOOR PLANS FOR CONTINUATION.
2. MECHANICAL OUTSIDE AIR DUCT. REFER TO FLOOR PLANS FOR CONTINUATION.
3. TERMINATE CONDENSATE TO KITCHEN TAILPIECE
4. TERMINATE CONDENSATE TO BATHROOM LAVATORY

GENERAL HVAC UNIT NOTES
A. PROVIDE WALL THERMOSTAT. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER AND ARCHITECT.

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MARK R. BRENGMAN
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45586
REGISTERED PROFESSIONAL ENGINEER

Signature
Mark R. Brengman
Typed or Printed Name
Mechanical — Discipline
12/02/24 — Date

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER
707 39TH AVENUE SE
PUYALLUP, WA 98374

City of Puyallup
Development & Permitting Services
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MRB — CHECKED BY

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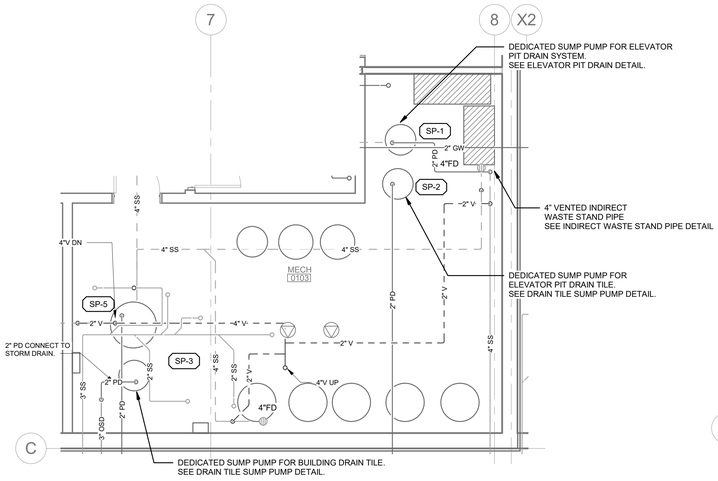
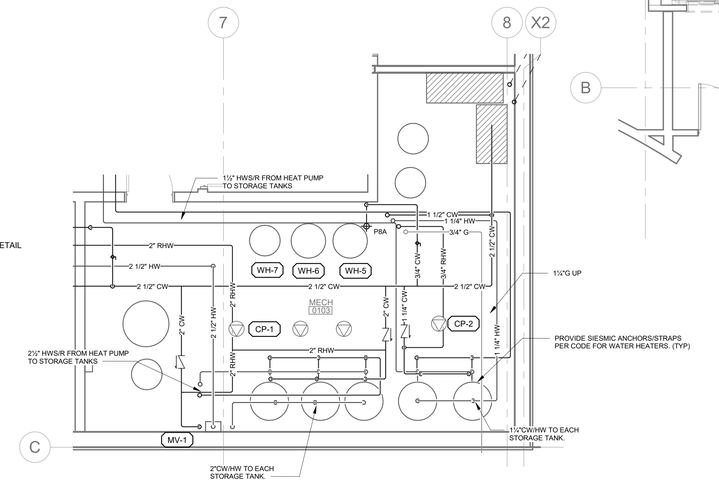
HVAC UNITS

M3.0

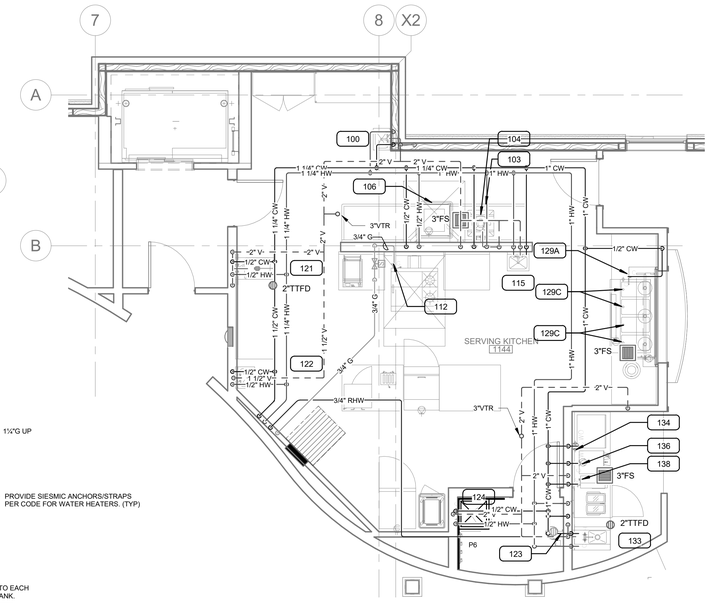
12/6/2024 9:12:37 AM



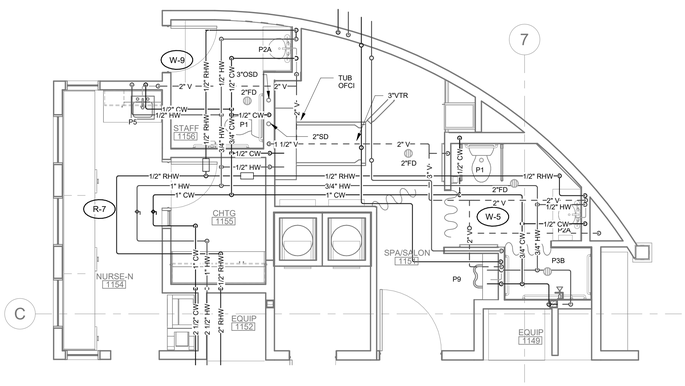
8 ENLARGED MECHANICAL ROOM DWV PLAN
1/4" = 1'-0"



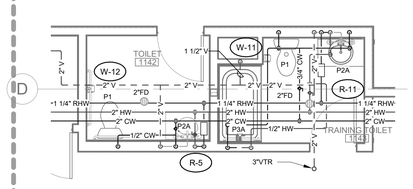
2 ENLARGED MECHANICAL ROOM DOMESTIC WATER PLAN
1/4" = 1'-0"



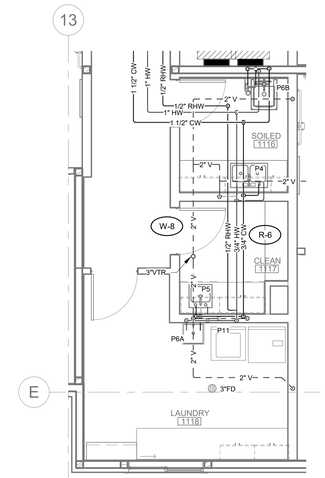
1 ENLARGED KITCHEN PLUMBING PLAN
1/4" = 1'-0"



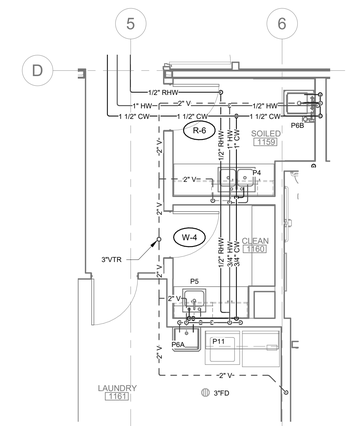
7 ENLARGED SPA AREA PLUMBING PLAN
1/4" = 1'-0"



6 ENLARGED TRAINING AREA PLUMBING PLAN
1/4" = 1'-0"



4 ENLARGED SOUTH LAUNDRY PLUMBING PLAN
1/4" = 1'-0"



3 ENLARGED NORTH LAUNDRY PLAN
1/4" = 1'-0"

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WESLEY BRADLEY PARK PHASE 2 - CARE CENTER

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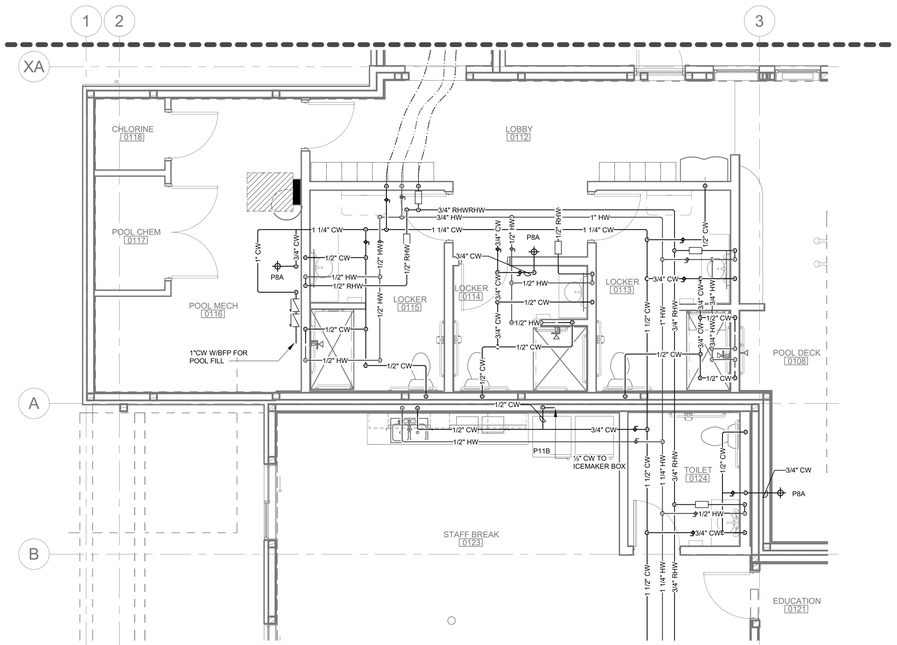
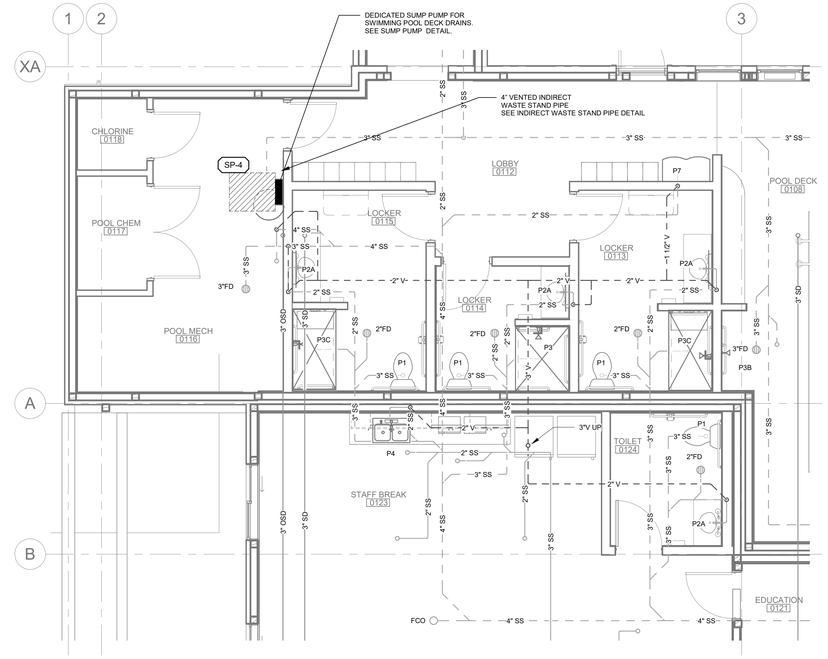
ENLARGED PLAN

M3.1

12/6/2024 9:12:42 AM



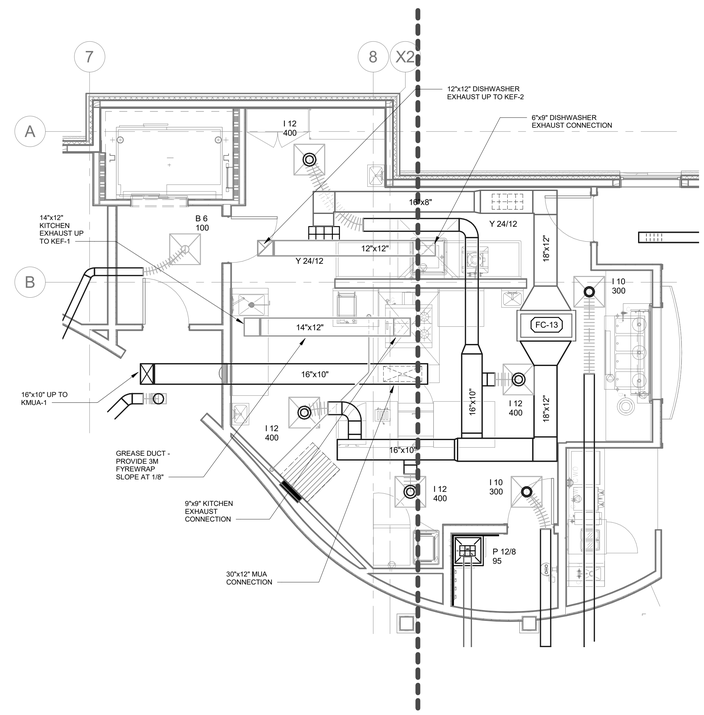
2 ENLARGED POOL AREA DOMESTIC WATER PLAN
1/4" = 1'-0"



1 ENLARGED POOL AREA DWV PLAN
1/4" = 1'-0"

KITCHEN AIR BALANCE SCHEDULE					
EXHAUST			MAKE-UP AIR		
TAG	SERVES	CFM	TAG	SERVES	CFM
KEF-1	GREASE HOOD	900	KMUA-1	GREASE HOOD	800
KEF-2	DISHWASHER HOOD	600	ERV-2	KITCHEN	600
-	-	-	-	-	-
-	-	-	-	-	-
TOTAL EXHAUST AIR:		1500	TOTAL MAKE-UP AIR:		1400

SYSTEM BALANCE:
PRESSURIZATION (NEG): (100 CFM)
PERCENTAGE (NEG): (7%)



3 ENLARGED KITCHEN HVAC PLAN
1/4" = 1'-0"

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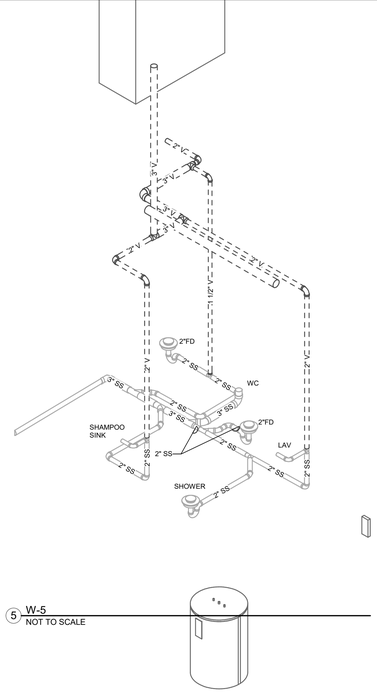
ENLARGED PLAN
M3.2

12/6/2024 9:12:45 AM



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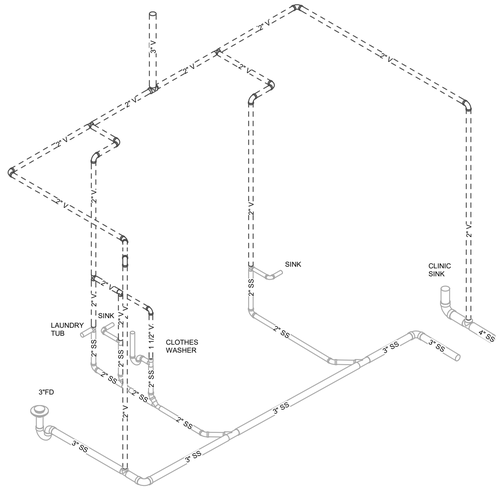

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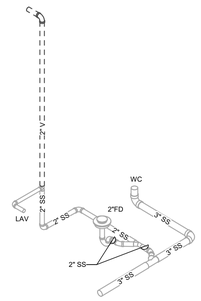

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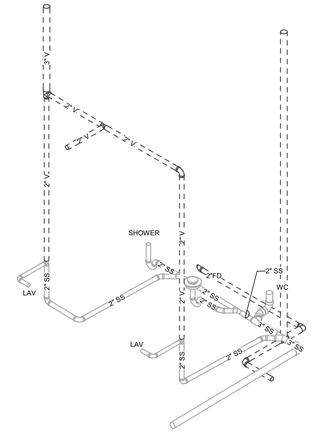

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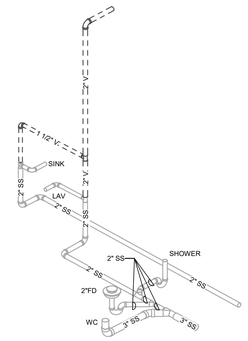

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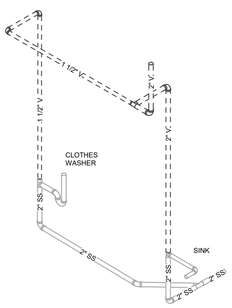

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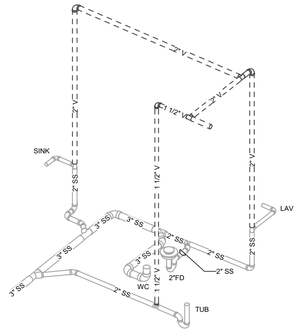

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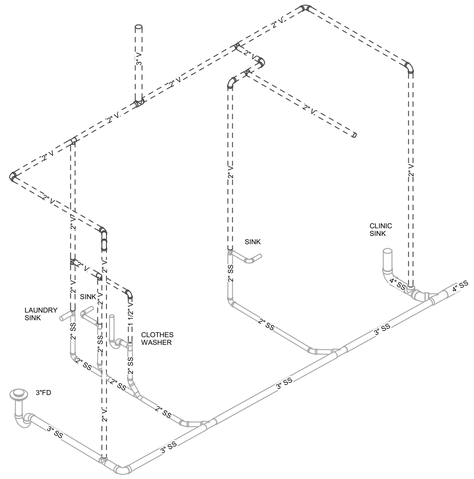

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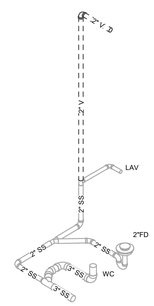

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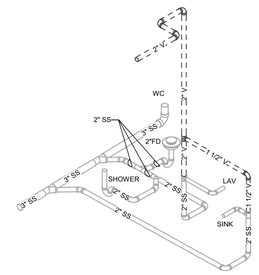

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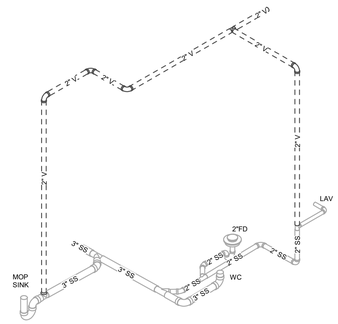
13 W-13
NOT TO SCALE



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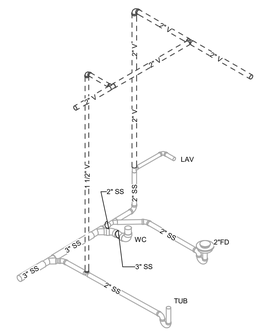

11 W-11
NOT TO SCALE

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Signature

Mark R. Brengman
Typed or Printed Name

Mechanical — Discipline
12/02/24 — Date

WESLEY BRADLEY PARK PHASE 2 - CARE CENTER

707 39TH AVENUE SE
PUYALLUP, WA 98374

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Development & Permitting Services
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CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

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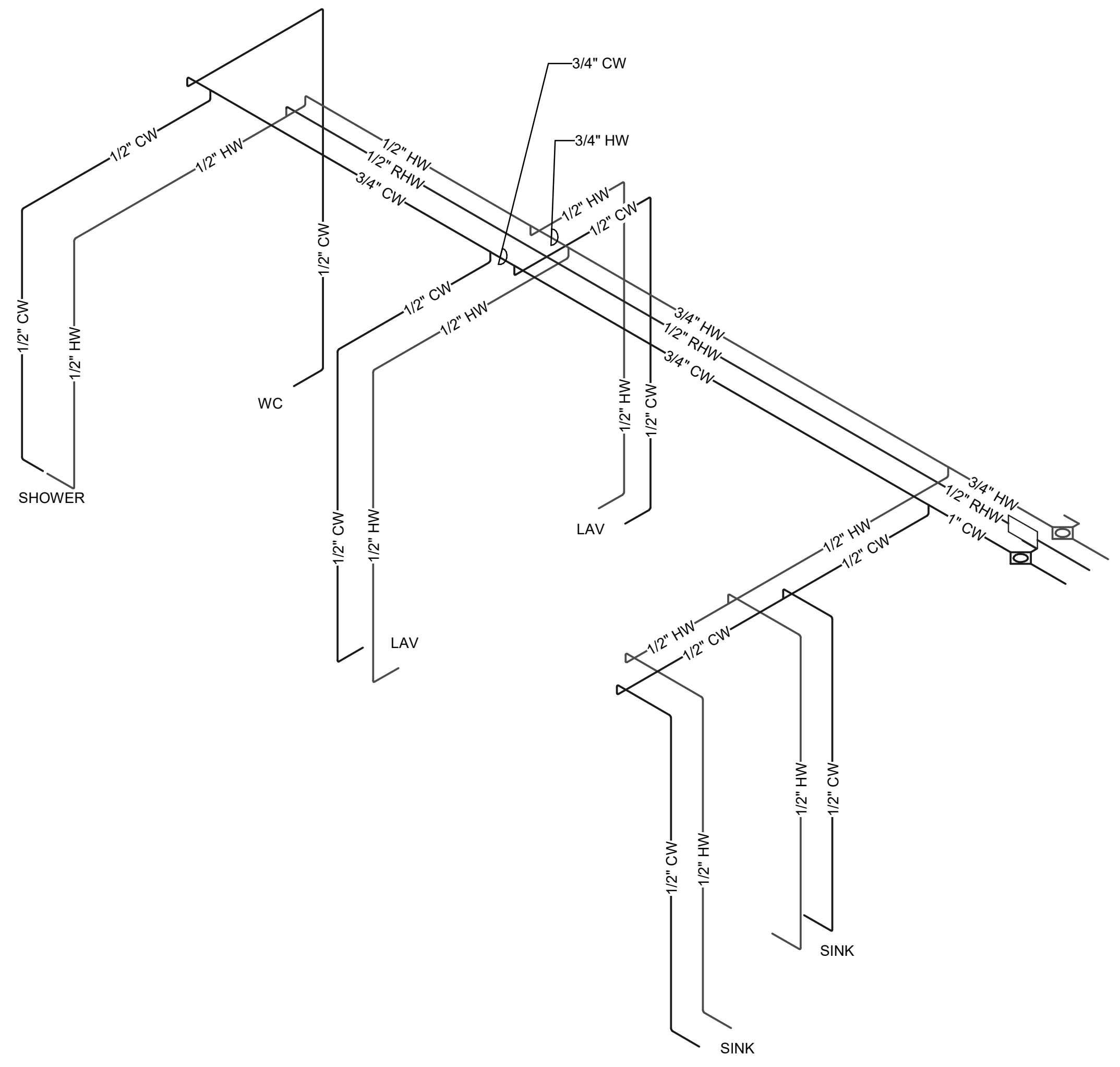
PHASE 2 - CARE CENTER

PLUMBING RISERS

M4.0

12/6/2024 9:12:47 AM



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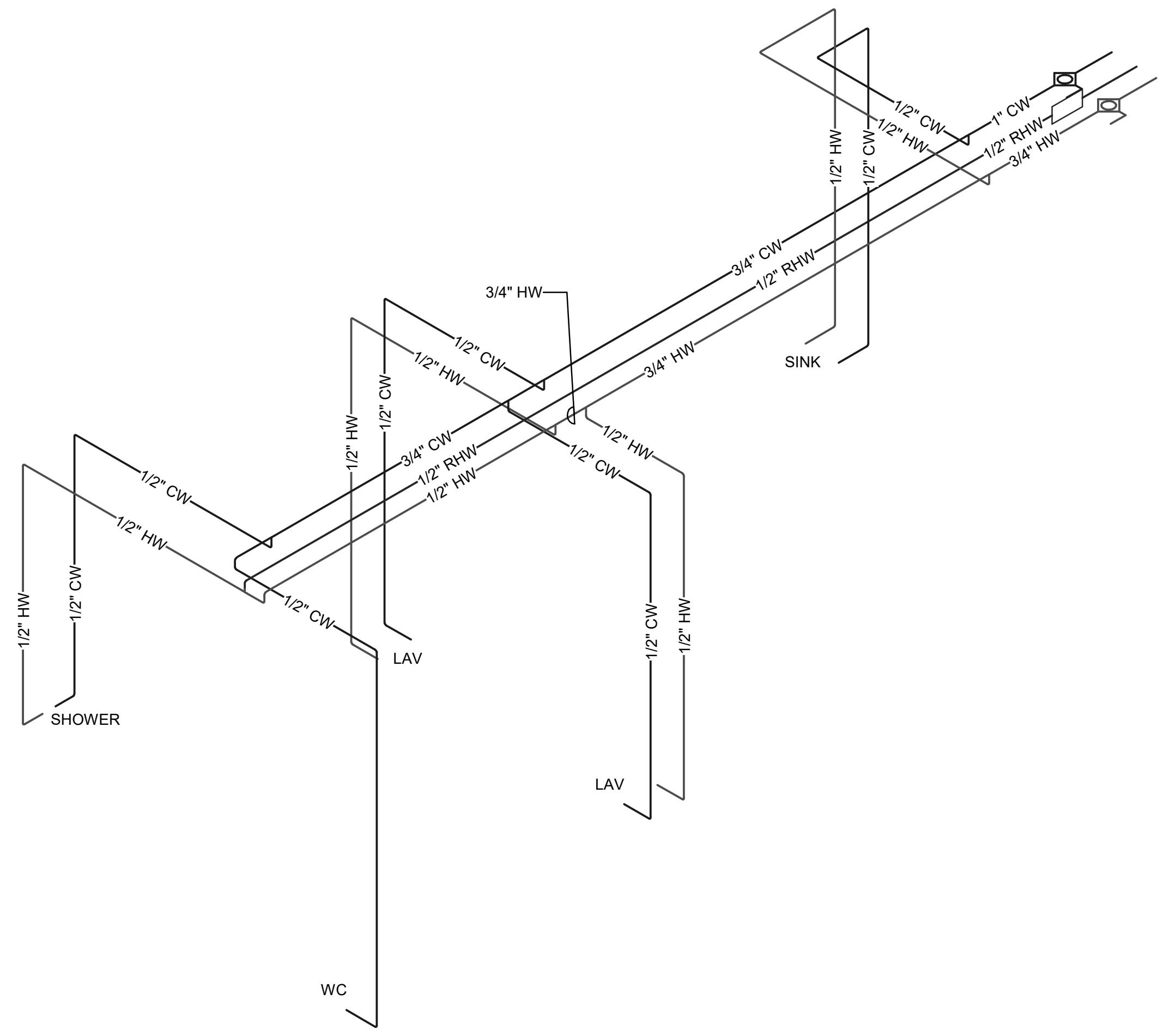

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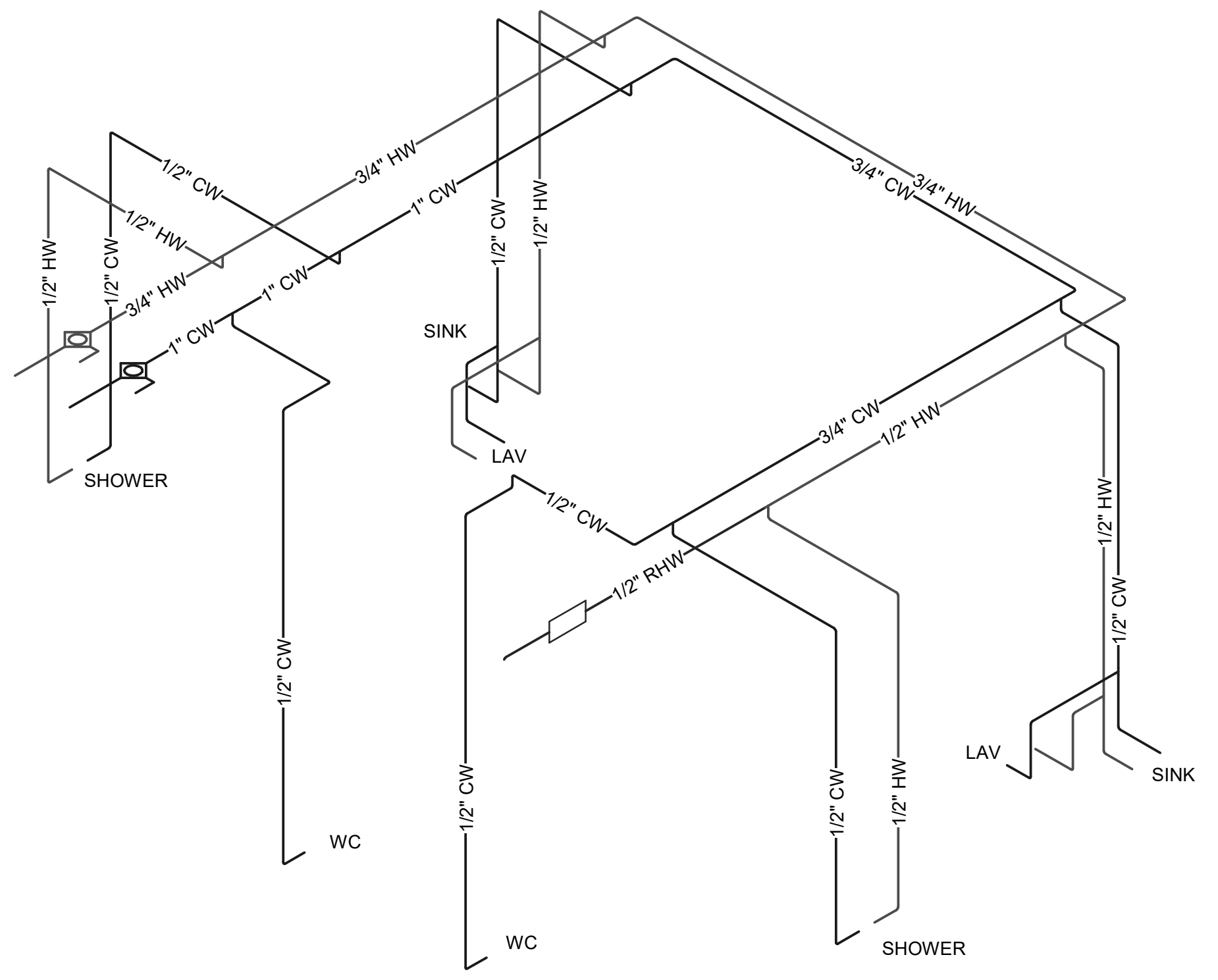

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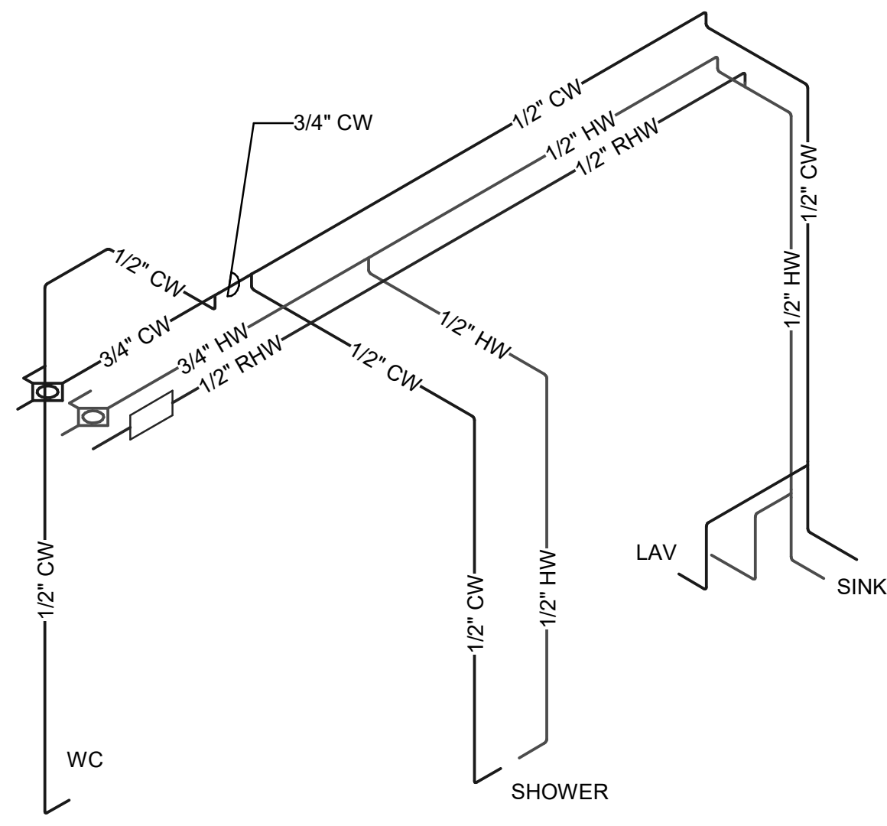

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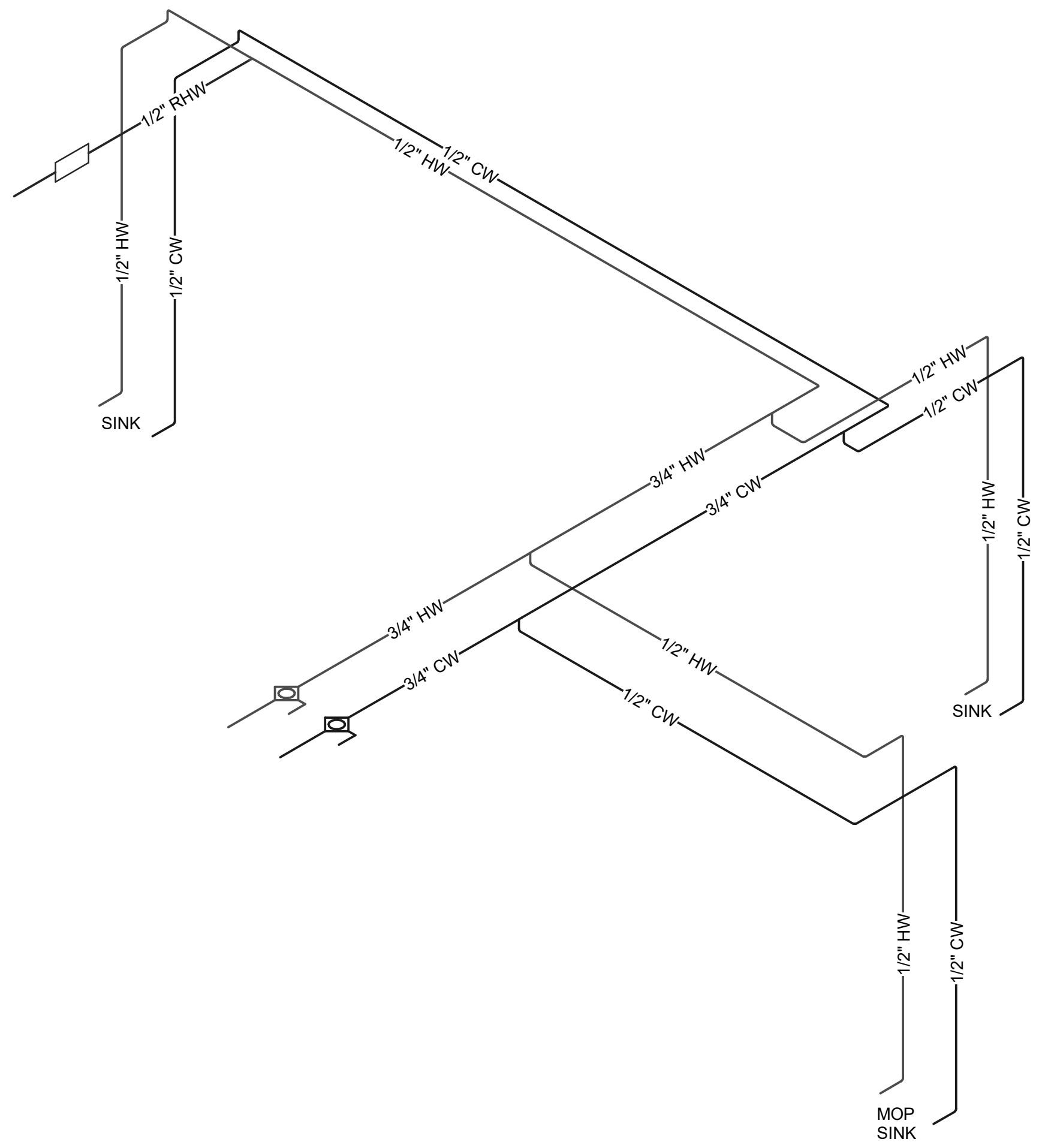

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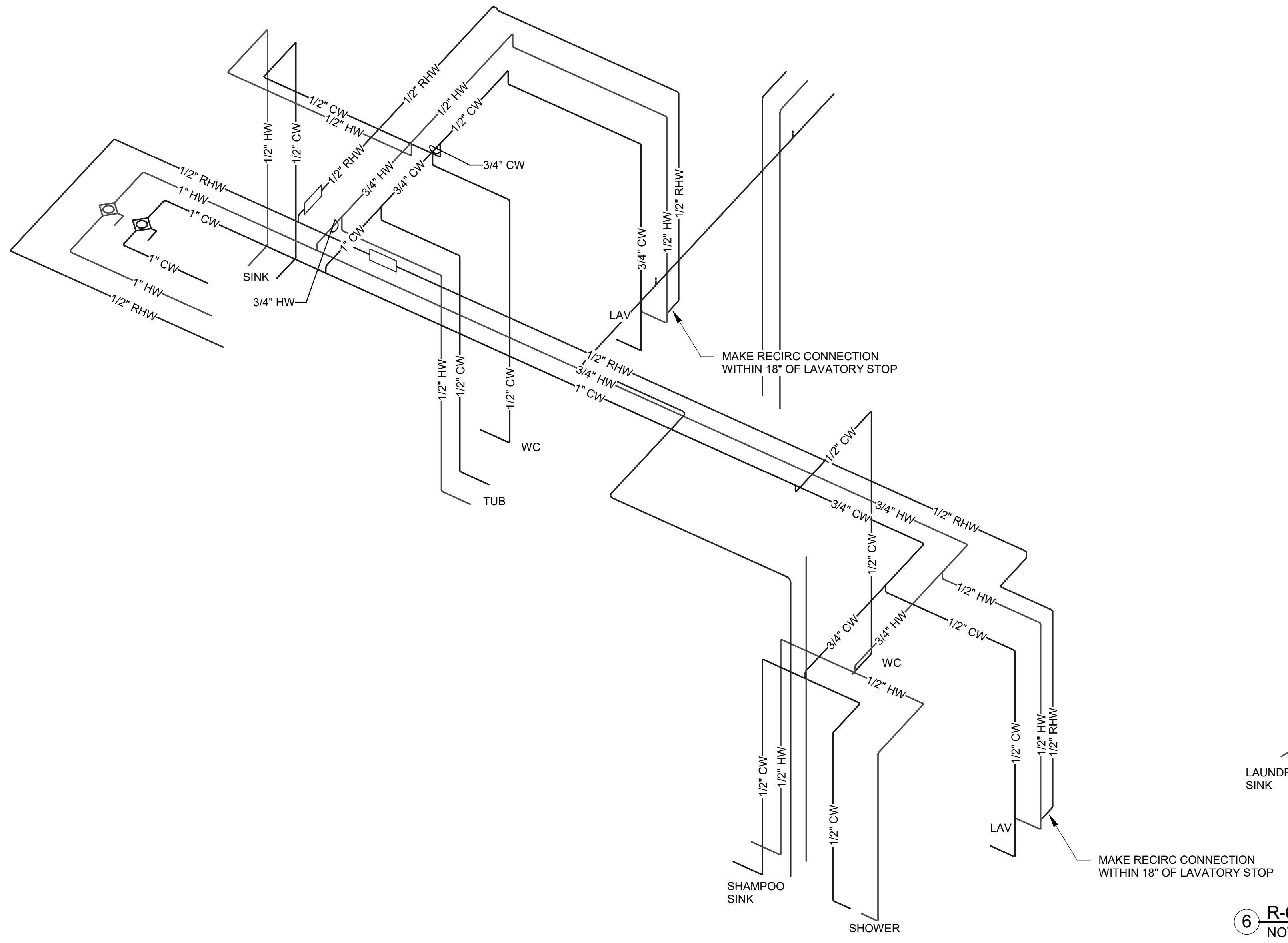

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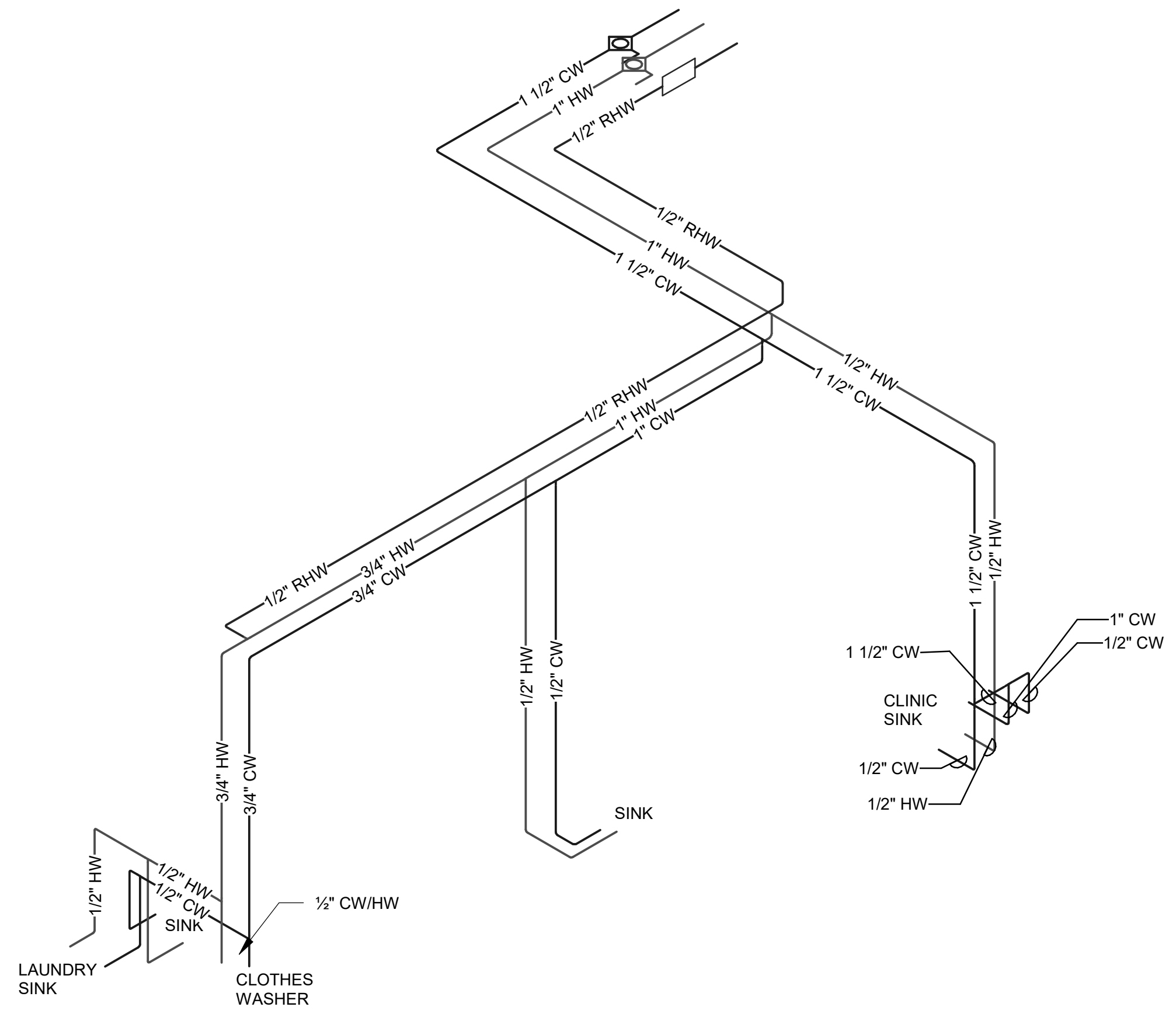

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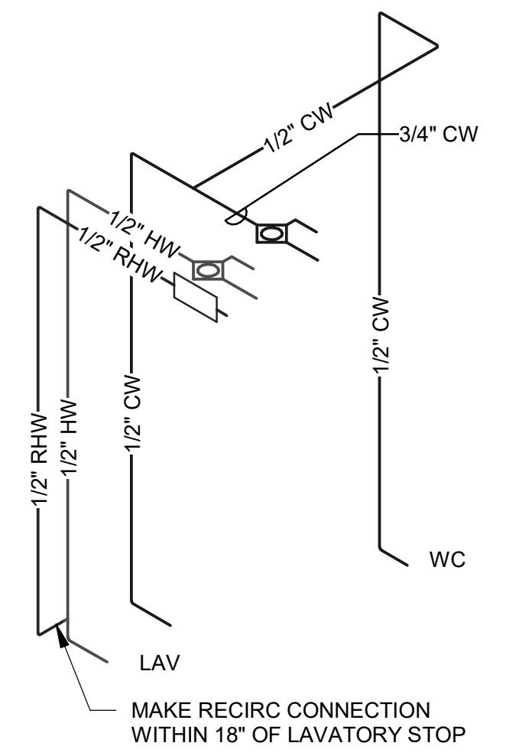

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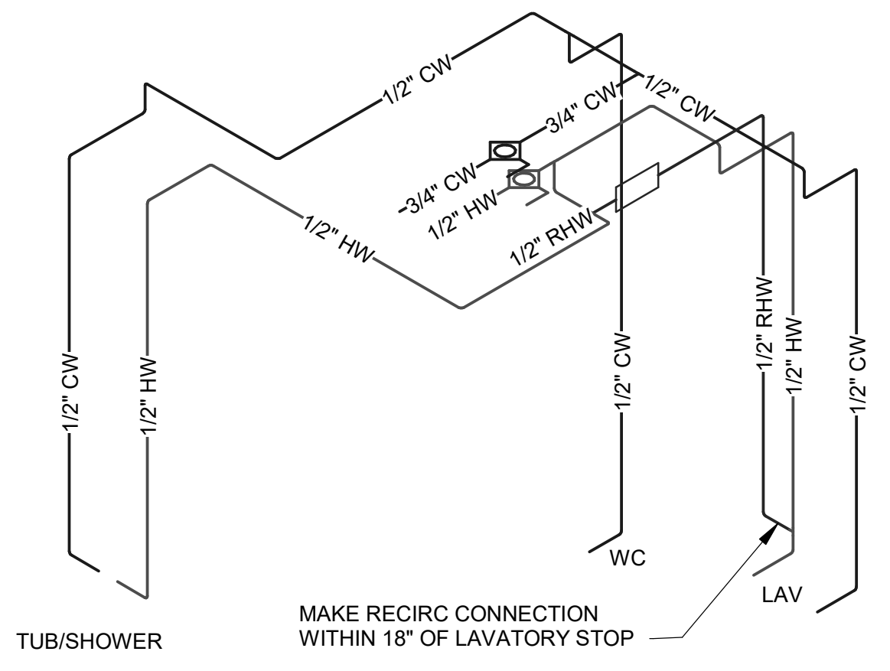

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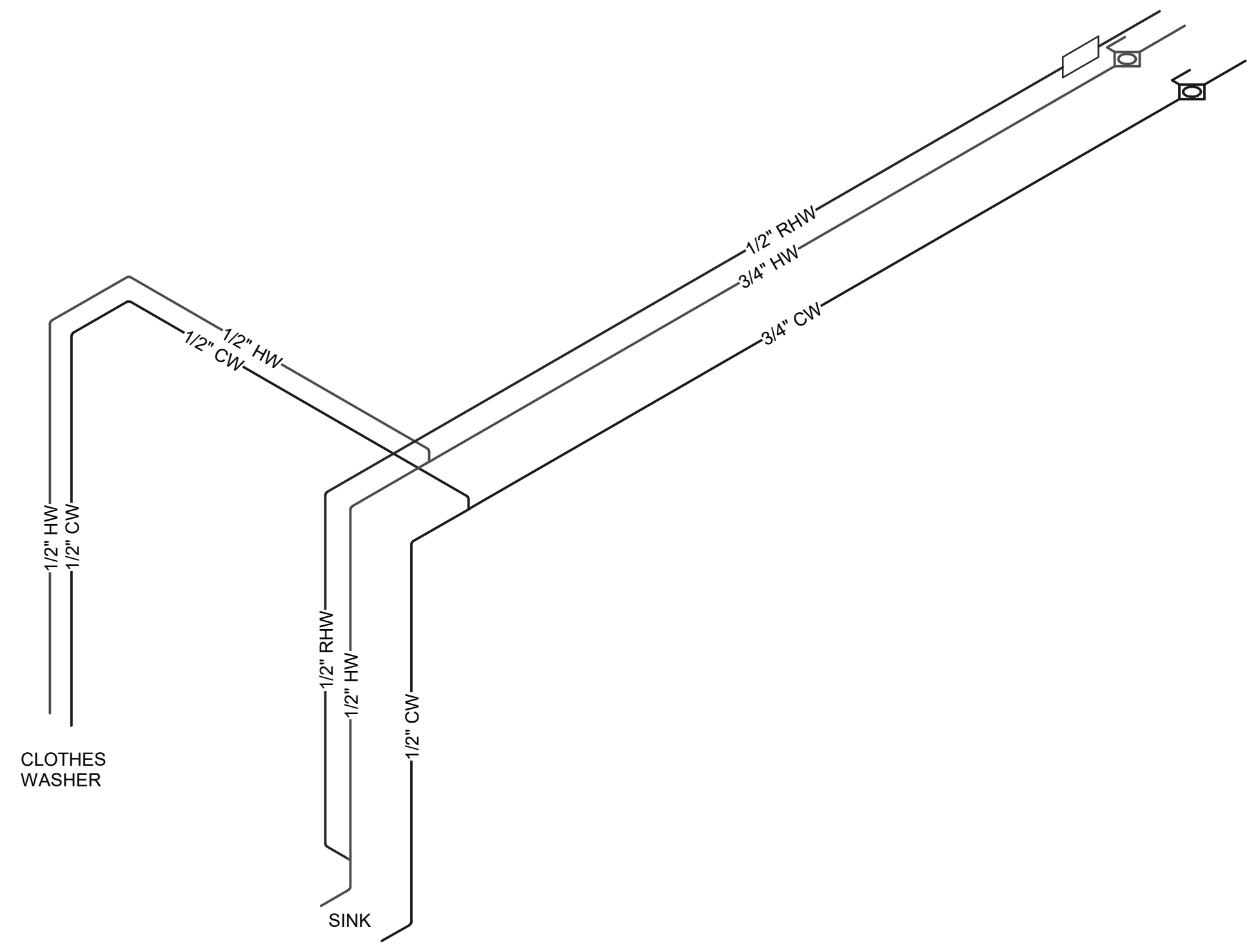

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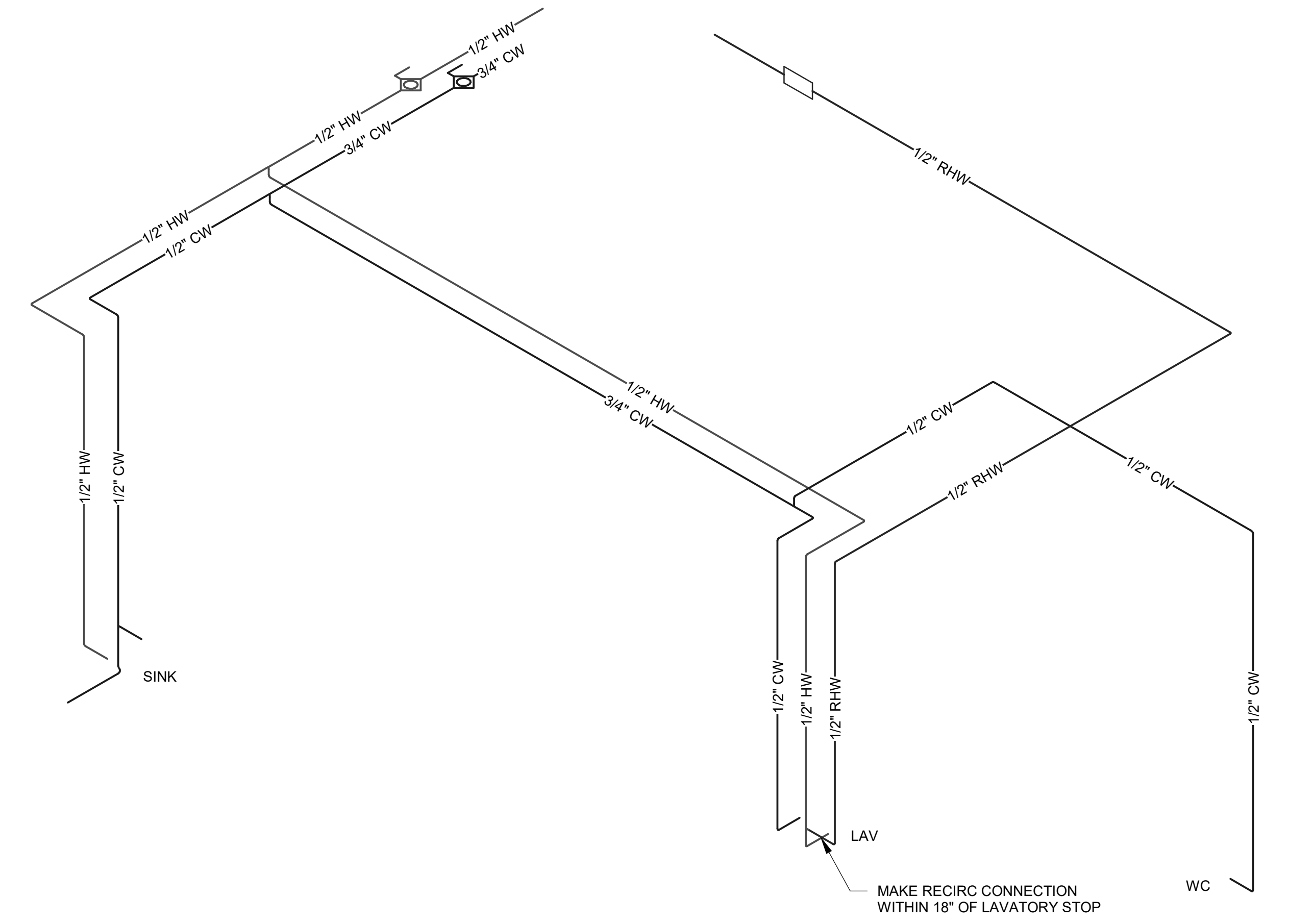

9 R-9
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WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

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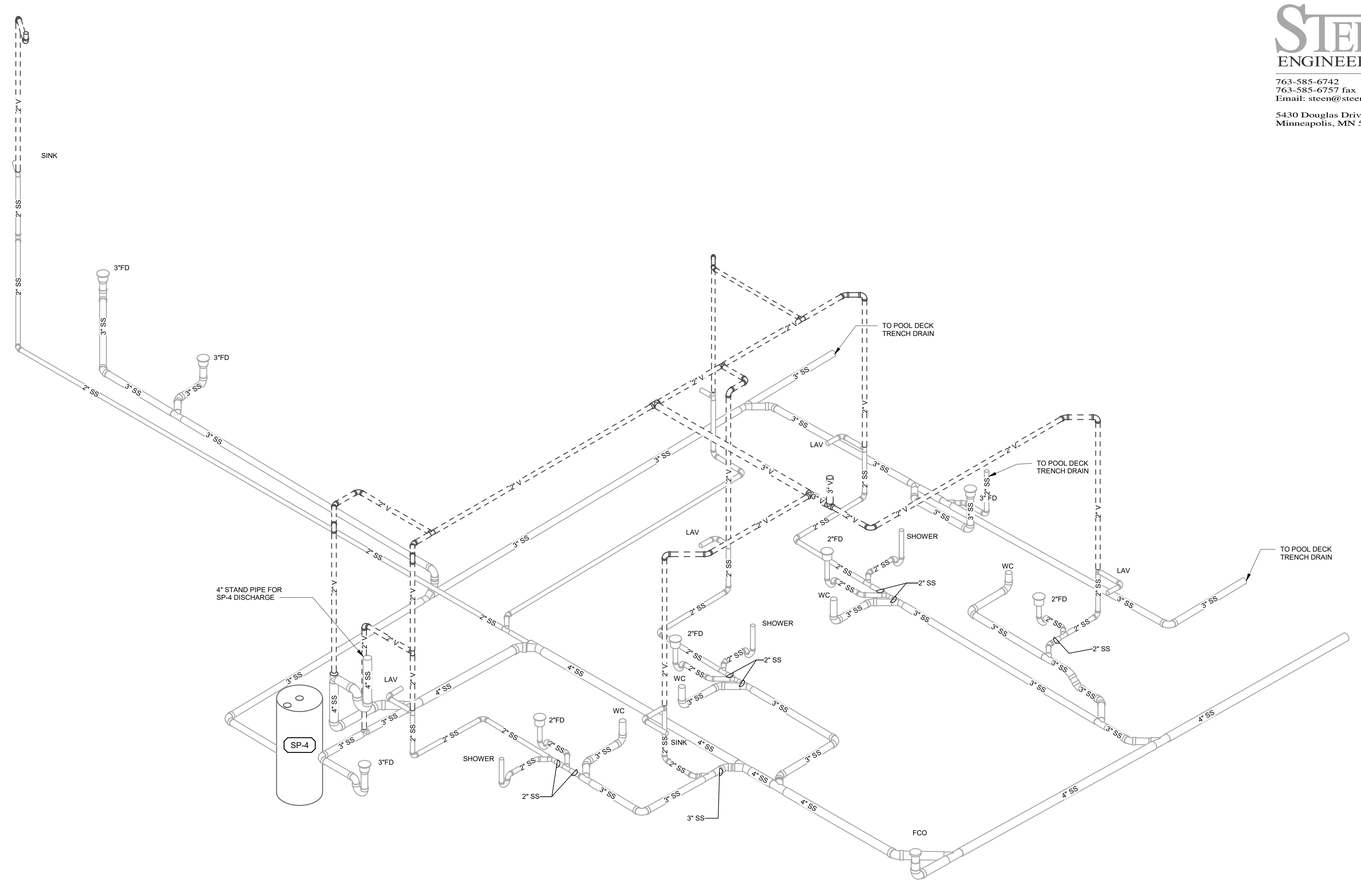
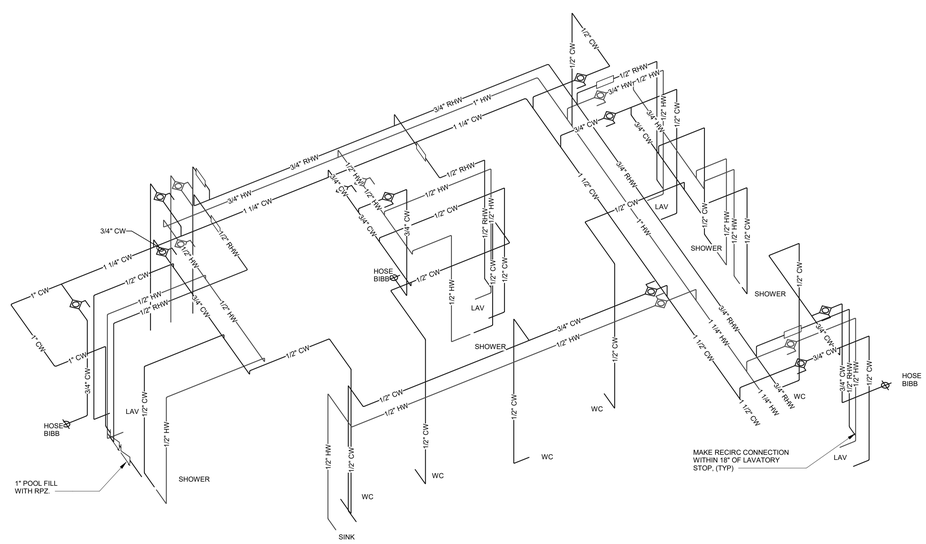


1 POOL AREA DWV ISOMETRIC
NOT TO SCALE



2 POOL AREA DOMESTIC WATER ISOMETRIC
NOT TO SCALE

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PLUMBING RISERS

M4.2

12/6/2024 9:12:50 AM

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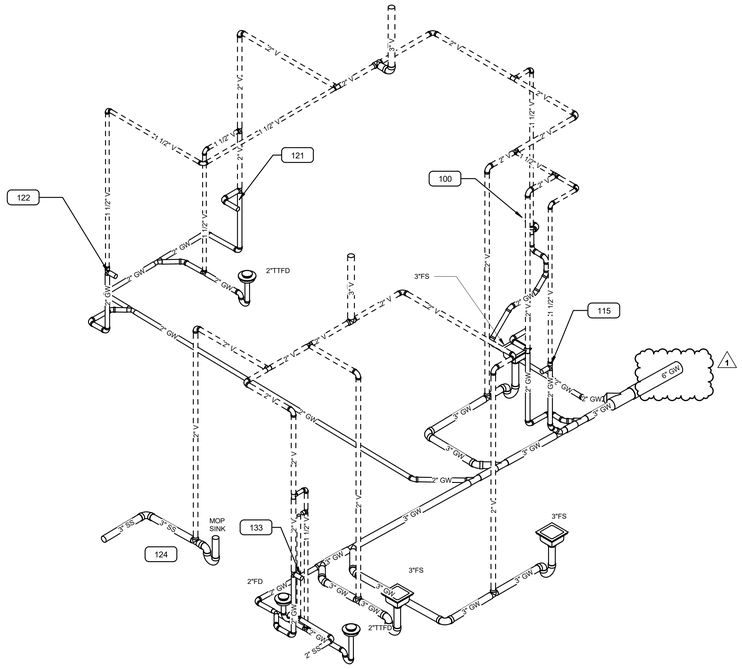

1 KITCHEN DWV ISOMETRIC
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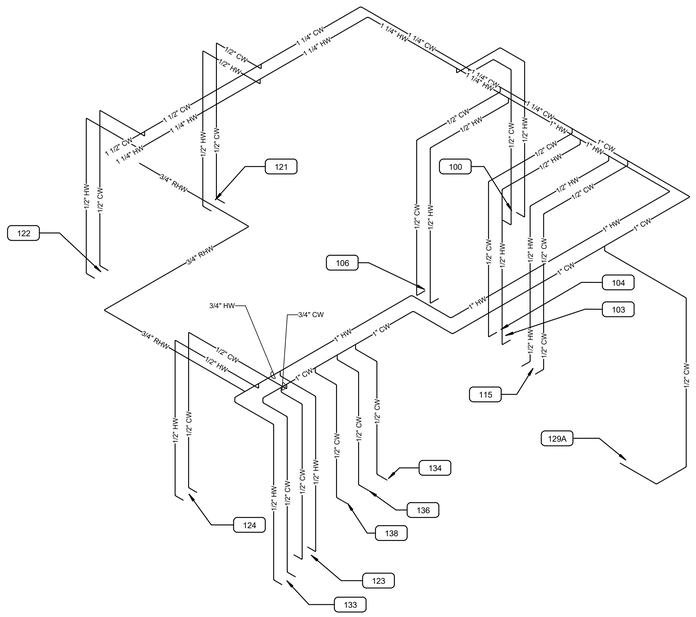

2 KITCHEN DOMESTIC WATER ISOMETRIC
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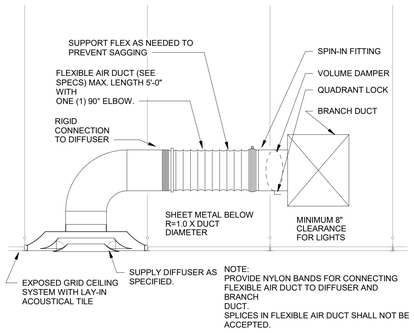
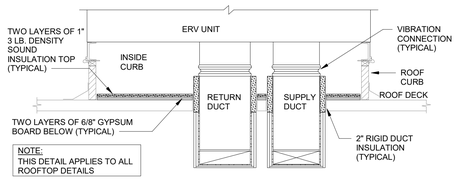
PLUMBING RISERS

M4.3

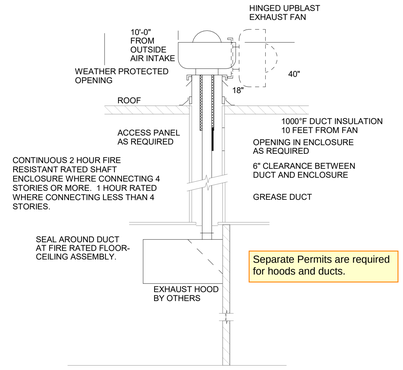
4/12/2025 7:59:22 AM



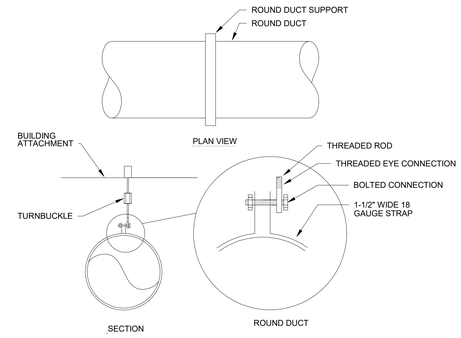
4 LAY-IN DIFFUSER DETAIL
NOT TO SCALE



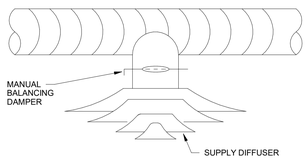
3 ERV CURB DETAIL
NOT TO SCALE



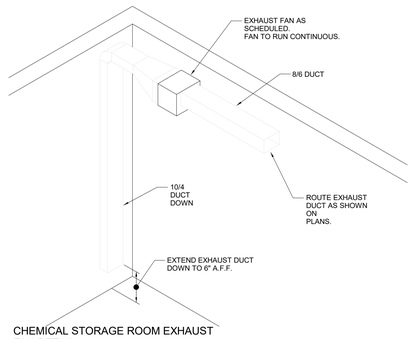
2 GREASE EXHAUST HOOD DETAIL
NOT TO SCALE



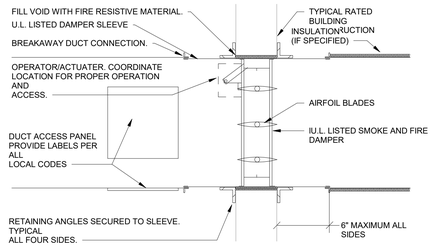
1 ROUND DUCT SUPPORT DETAIL
NOT TO SCALE



8 CONE DIFFUSER DETAIL
NOT TO SCALE

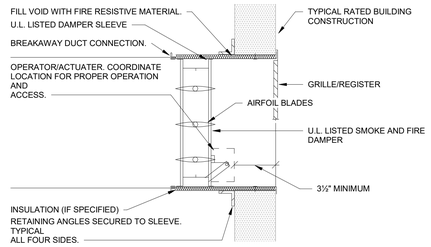


CHEMICAL STORAGE ROOM EXHAUST FAN DETAIL
7 NOT TO SCALE



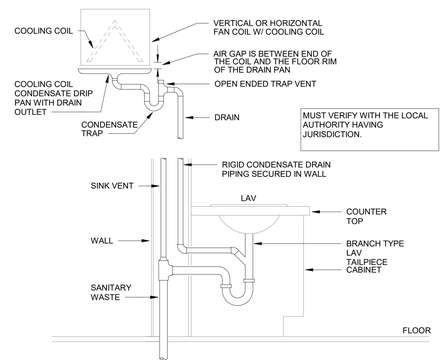
GENERAL NOTES:
1. THIS DETAIL IS PROVIDED FOR REFERENCE ONLY TO INDICATE MINIMUM REQUIREMENTS.
2. DAMPER INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS PRINTED INSTRUCTIONS AND LOCAL FIRE AUTHORITY.
3. VERTICAL DUCT WITH HORIZONTAL DAMPER IF ALLOWED BY AUTHORITIES HAVING JURISDICTION IS SIMILAR.

6 INLINE SMOKE/FIRE DAMPER DETAIL
NOT TO SCALE

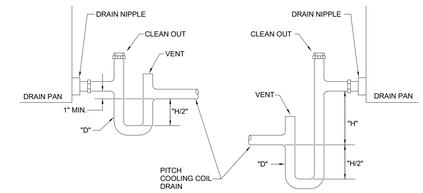


GENERAL NOTES:
1. THIS DETAIL IS PROVIDED FOR REFERENCE ONLY TO INDICATE MINIMUM REQUIREMENTS.
2. DAMPER INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS PRINTED INSTRUCTIONS AND LOCAL FIRE AUTHORITY.
3. VERTICAL DUCT WITH HORIZONTAL DAMPER IF ALLOWED BY AUTHORITIES HAVING JURISDICTION IS SIMILAR.

5 GRILLE SMOKE/FIRE DAMPER DETAIL
NOT TO SCALE



10 CONDENSATE WASTE DETAIL
NOT TO SCALE



BLOW-THRU AIR HANDLER

DRAW-THRU AIR HANDLER

UNIT TOTAL PRESSURE (in W.G.)	H	H/2	D/2
2	3"	1½"	¾"
3	4"	2"	¾"
4	5"	2½"	1"
6	7"	3½"	1¼"

9 AHU DRAIN TRAP DETAIL
NOT TO SCALE

STEEN ENGINEERING
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5430 Douglas Drive North
Minneapolis, MN 55429

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1000 university ave. w. • suite 130
st. paul, minnesota 55104
612-252-4820

MARK R. BRENGMAN
STATE OF WASHINGTON
45586
REGISTERED PROFESSIONAL ENGINEER
Signature
Mark R. Brengman
Typed or Printed Name
Mechanical
Discipline
12/02/24
Date

WESLEY BRADLEY PARK PHASE 2 - CARE CENTER

707 39TH AVENUE SE
PUYALLUP, WA 98374

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

No.	Description	Date

ISA202201
PROJECT NUMBER

DCA
DRAWN BY

MRB
CHECKED BY

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

MECHANICAL DETAILS

M5.0

12/6/2024 9:12:52 AM

Bradley Park

DIAGRAM SYMBOL LEGEND		CONT.No		PAGE	
DISPLAY	DESCRIPTION				
—//—	POWER WIRE				
———	CONTROL WIRE				
-------	REF. PIPE				

CITY MULTI

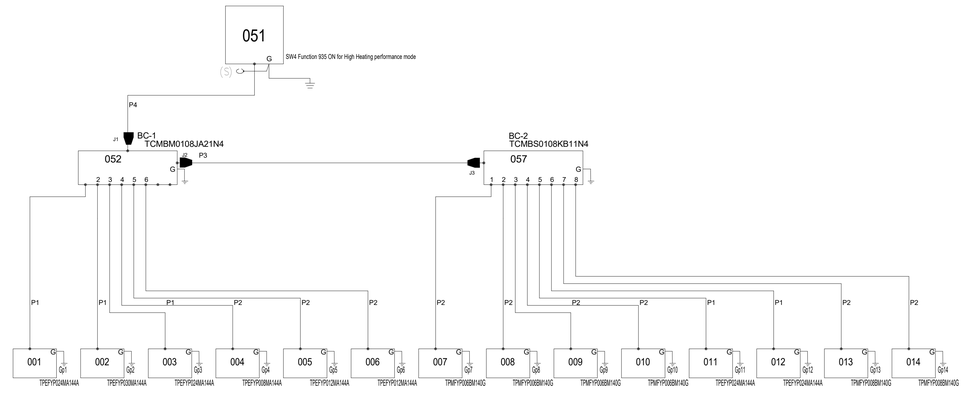
SYSTEM SCHEMATIC DWG.

This drawing is schematic in nature. Final routing of piping & wiring
shall be determined by the installing contractor and/or designer of record.
Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm²(16 AWG) - 1.25mm²(16 AWG) or 0.75mm²(20 AWG) - between 0.5mm²(24 AWG) and 0.75mm²(20 AWG), more.

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-R302S-G1
J2	CMY-R303S-G1
J3	CMY-R303S-G
SYMBOL	LIQUID PIPE GAS PIPE SIZE
P1	3/8 / 5/8
P2	1/4 / 1/2
P3	3/8 / 3/4 / 7/8
P4	7/8 / 1-3/8
P5	1/2 / 3/4 / 1-1/8
SYMBOL	MODEL NUMBER
MA	TXR-40MAAU

Garage

TURYE2163AN41AN [Garage]



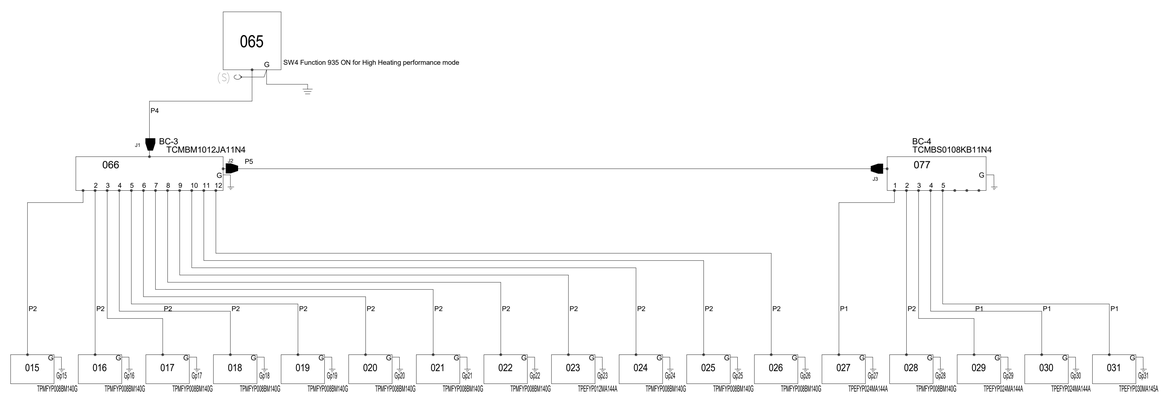
Office 0125	Office 0122	Education 0121	Med Records 0123	CC Rec Design 0105	Star E2110	CC Unit 2-1039	CC Unit 2-1038	CC Unit 2-1037	CC Unit 2-1036	Daycare 1169	Meds 1163	CC Unit 1-1037	CC Unit 1-1036
FC-1	FC-2	FC-3	FC-4	FC-5	FC-6					FC-7	FC-8		

Diamond System Builder
sw: 5.6.1.1
db: 5.6.0.23
11/29/2024
2:28 PM

REMARKS
Originator: Steen Engineering
Comments:

Level 1 North

TURYE2163AN41AN [Level 1 North]



CC Unit 1-1035	CC Unit 1-1034	CC Unit 1-1033	CC Unit 1-1032	CC Unit 1-1031	CC Unit 1-1030	CC Unit 1-1029	CC Unit 1-1028	Laundry - 1191	CC Unit 2-1025	CC Unit 2-1024	CC Unit 1-1022	Toilet-1182	CC Unit 1-1027	Conf Room-2101	Combo-1158	CHTG-1155
												FC-9		FC-10	FC-11	FC-12

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Signature

Mark R. Brengman
Typed or Printed Name

Mechanical — Discipline
12/02/24 — Date

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ISA202201
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WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

MECHANICAL DETAILS

M5.1

12/6/2024 9:12:53 AM

Bradley Park

DIAGRAM SYMBOL LEGEND			
DISPLAY	DESCRIPTION	CONT.No	PAGE
---///---	POWER WIRE		
———	CONTROL WIRE		
--------	REF. PIPE		

CITY MULTI

SYSTEM SCHEMATIC DWG.

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record.
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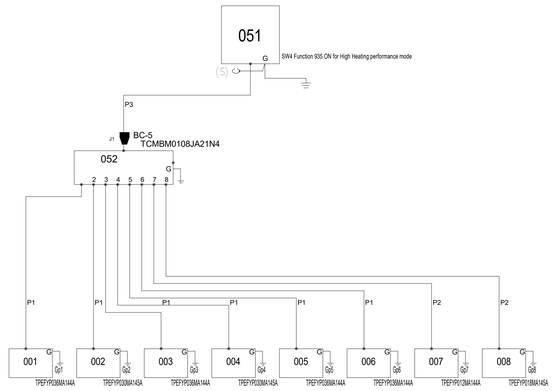
1.25mm(16 AWG) : 1.25mm(16 AWG) or 0.75mm(20 AWG) : between 0.5mm(24 AWG) and 0.75mm(20 AWG), more.

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-R0202S-G1
J2	CMY-R0303S-G1
J3	CMY-R0306S-G
SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	3/8 / 5/8
P2	1/4 / 1/2
P3	7/8 / 1-3/8
P4	3/8 / 3/4 / 7/8
SYMBOL	MODEL NUMBER
MA	TAR-40MAAU

Level 1 South 1

TURYE2163AN41AN [Level 1 South 1]



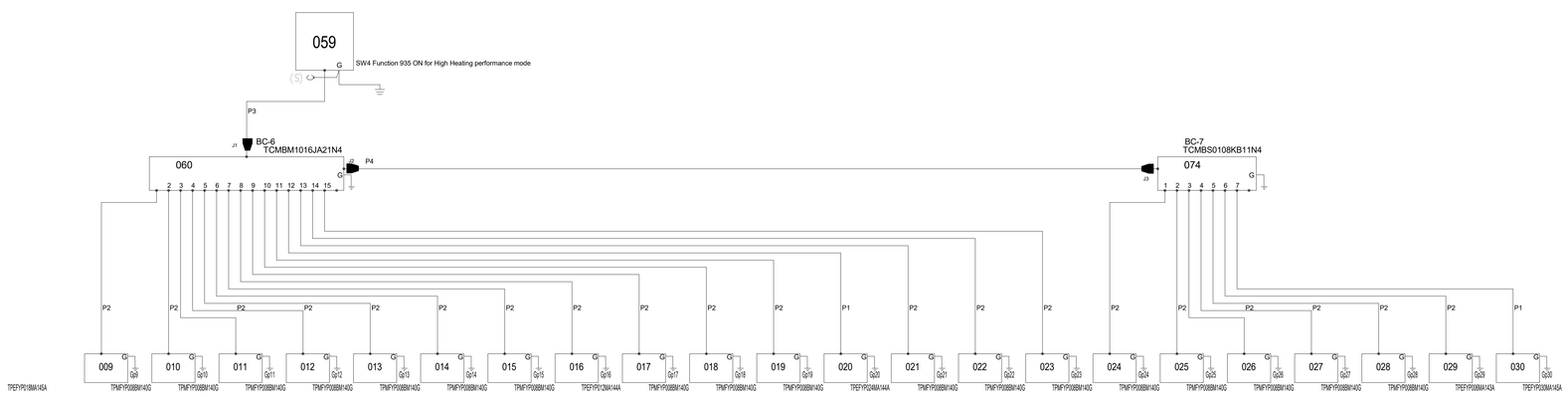
Serving Kitchen-1144	Therapy-1134	Dining-1133	Office-1105	Storage-1113A	Conference-1104	Social Work-1110	Director-1111
FC-13	FC-14	FC-15	FC-16	FC-17	FC-18	FC-19	FC-20

Diamond System Builder
sw: 5.6.1.1
db: 5.6.0.23
11/29/2024
2:28 PM

REMARKS
Originator: Steen Engineering
Comments:

Level 1 South 2

TURYE2163AN41AN [Level 1 South 2]



CC Unit 1-1001	CC Unit 1-1003	CC Unit 1-1004	CC Unit 1-1005	CC Unit 1-1006	CC Unit 1-1007	CC Unit 1-1008	Laundry-1119	CC Unit 1-1010	CC Unit 1-1009	CC Unit 1-1012	Empty-1124	CC Unit 1-1011	CC Unit 1-1014	CC Unit 1-1013	CC Unit 1-1016	CC Unit 1-1015	CC Unit 1-1018	CC Unit-1019	CC Unit 1-1020	Office-1121	Janitor-1125
							FC-20				FC-21									FC-23	FC-22

12/6/2024 9:12:53 AM

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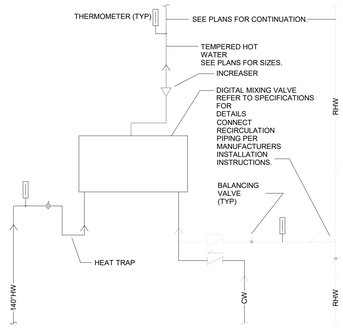
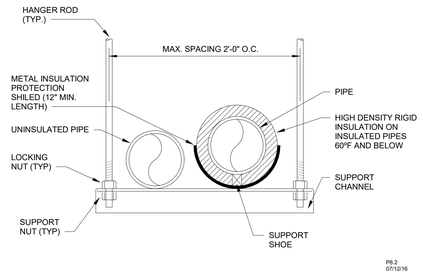
WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

MECHANICAL DETAILS

M5.2



1 DIGITAL THERMOSTATIC MIXING STATION DETAIL
NOT TO SCALE



2 TRAPEZE PIPE HANGER DETAIL
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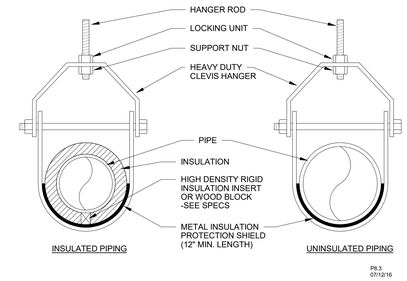
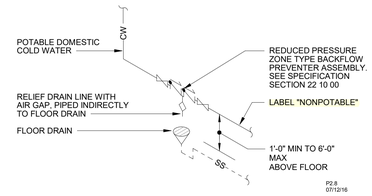
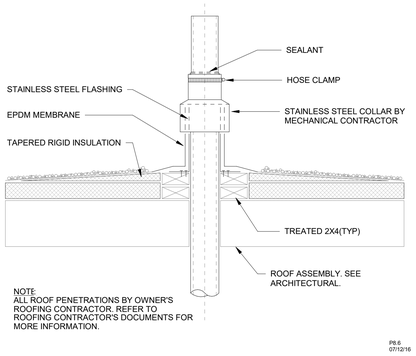


3 CLEVIS PIPE HANGER DETAIL
NOT TO SCALE



4 REDUCED PRESSURE ZONE BACKFLOW PREVENTER DETAIL
NOT TO SCALE



5 VENT THRU ROOF DETAIL
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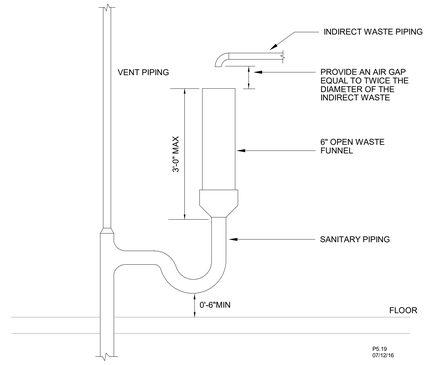

6 INDIRECT WASTE STANDPIPE DETAIL
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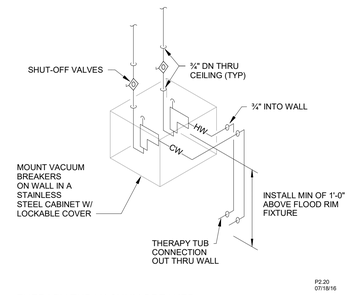
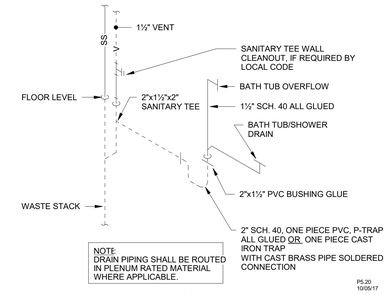
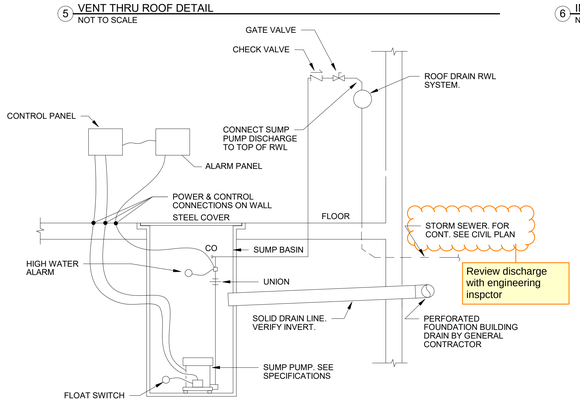


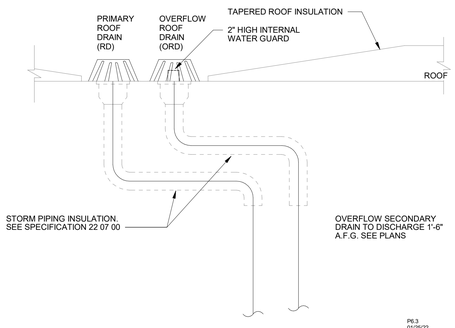
7 THERAPY TUB VACUUM BREAKER DETAIL
NOT TO SCALE



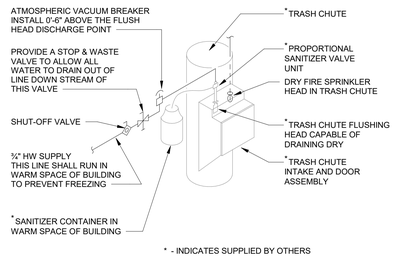
8 BATHTUB-SHOWER W/O ACCESS PANEL WASTE PIPING DETAIL
NOT TO SCALE



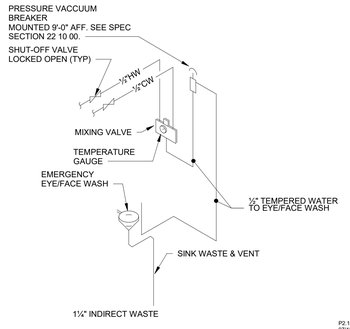
9 DRAINTILE SUMP PUMP TO STORM DETAIL
NOT TO SCALE



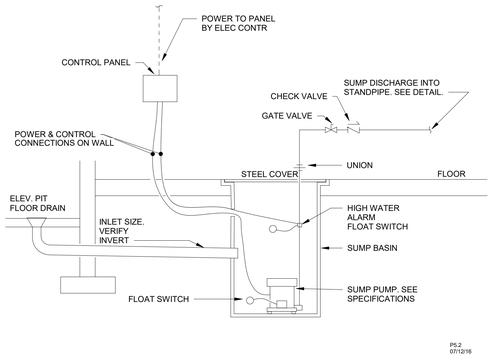
10 ROOF DRAIN DETAIL
NOT TO SCALE



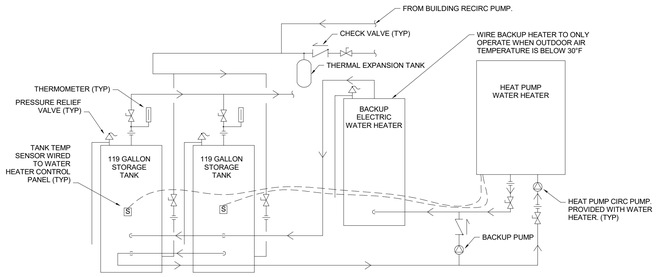
11 TRASH CHUTE WASHDOWN ATMOSPHERIC VACUUM BREAKER DETAIL
NOT TO SCALE



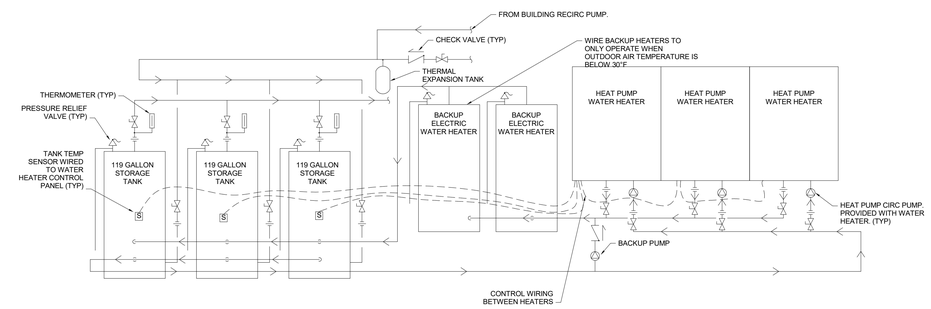
12 EMERGENCY EYE/FACE WASH DETAIL
NOT TO SCALE



13 SUMP PUMP ELEVATOR PIT (FLOOR DRAIN)
NOT TO SCALE



14 HEAT PUMP WATER HEATER WITH STORAGE TANKS
NOT TO SCALE



15 (3) HEAT PUMP WATER HEATERS WITH STORAGE TANKS DETAIL
NOT TO SCALE

STEEN ENGINEERING
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REVISIONS

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ISA202201
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RDB — DRAWN BY
RDB — CHECKED BY

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

MECHANICAL DETAILS

M5.3

12/6/2024 9:12:54 AM

FAN SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVES	FAN DATA				MOTOR DATA				PANEL					NOTES	
				CFM	WEIGHT , LB	ESP (IN.WC)	FAN RPM	HP	RPM	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
EF-1	GREENHECK SQ-90-VG	RESTROOMS	RESTROOMS	300	20	0.25	1100	FRAC	-	120 V	1	PP01	9	1/2"	#12	20/1	-	3
EF-2	GREENHECK SP-A125	POOL CHEM ROOM	POOL CHEM ROOM	80	20	0.25	1100	FRAC	-	120 V	1	PP01	3	1/2"	#12	20/1	-	3
EF-3	GREENHECK SQ-100-VG	POOL	POOL	1000	50	0.25	1325	1/4		120 V	1	PP01	2	1/2"	#12	15/1	1	3
EF-4	GREENHECK G-090-E	ROOF	OXYGEN ROOM	250	60	0.25	1050	FRAC		120 V	1	LP11	22	1/2"	#12	20/1	-	3
KEF-1	GREENHECK CUE-100-A	ROOF	KITCHEN TYPE 1 HOOD	900	60	1.0	1725	1/3		120 V	1	KP11	30	1/2"	#12	20/1	-	2
KEF-2	GREENHECK CUE-099-A	ROOF	KITCHEN CONDENSATE HOOD	600	170	1.0	1725	1/4		120 V	1	KP11	28	1/2"	#12	20/1	-	1

MECHANICAL NOTES:

1. PROVIDE FAN WITH ALUMINUM HOUSING AND PLASTIC FAN WHEEL.

ELECTRICAL NOTES

1. PROVIDE INTERLOCK WITH DISHWASHER SO THAT DISHWASHER DOES NOT OPERATE UNLESS FAN IS RUNNING. PROVIDE 0-30 MINUTE TIME DELAY RELAY, SET TO KEEP FAN RUNNING 10 MINUTES AFTER DISHWASHER STOPS.
2. INTERLOCK MUA WITH EF. CONNECT EF TO HEAT SENSOR, PROVIDED WITH KITCHEN HOOD, TO AUTOMATICALLY START MUA & EF UPON SIGNAL FROM HEAT SENSOR. PROVIDE OVERRIDE "ON" SWITCH WITH PILOT LIGHT NEAR HOOD TO MANUALLY START EQUIPMENT. SWITCH SHALL NOT PREVENT EF FROM RUNNING UPON SIGNAL FROM HEAT SENSOR. PROVIDE INTERLOCK WITH KITCHEN FIRE SUPPRESSION SYSTEM (KFSS) SO THAT KFSS ACTIVATION STOPS MUA. EF SHALL CONTINUE TO RUN UNTIL KFSS RESET.
3. RUNS CONTINUOUSLY.

MECHANICAL AND ELECTRICAL EQUIPMENT SCHEDULE GENERAL NOTES

A. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL EQUIPMENT SCHEDULED.

B. THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING AND MAKE FINAL CONNECTION TO EACH PIECE OF EQUIPMENT SCHEDULED.

C. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL STARTERS AND DISCONNECTS.

D. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES AS WELL AS ALL LINE VOLTAGE AND LOW VOLTAGE WIRING NECESSARY TO INSTALL AND MAKE FULLY OPERATIONAL SPECIFIED CONTROL SYSTEMS, UNLESS NOTED OTHERWISE.

E. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SINGLE PHASE LINE VOLTAGE CONTROL DEVICES, SUCH AS 120/208/240 VOLT THERMOSTATS, SWITCHES AND TIME CLOCKS DIRECTLY CONTROLLING EXHAUST FANS, UNIT HEATERS, ETC., INCLUDING ALL ELECTRICAL MATERIALS AND FINAL CONNECTIONS.

F. THE ELECTRICAL CONTRACTOR SHALL PROVIDE 120V JUNCTION BOX OR RECEPTACLES ADJACENT TO WATER HEATERS, SUMP PUMPS AND WATER SOFTENERS.

G. MECHANICAL CONTRACTOR SHALL PROVIDE EQUIPMENT AFFIXED WITH A VISIBLE NAMEPLATE MARKED WITH THE SHORT CIRCUIT CURRENT RATING (SCCR) TO COMPLY WITH SECTION 440.4(B) OF THE LATEST ADOPTED NEC. MINIMUM EQUIPMENT SCCR SHALL BE 5,000 AIC, UNLESS NOTED OTHERWISE.

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RICHARD D. BECKER — STATE OF WASHINGTON — 22028534 — REGISTERED PROFESSIONAL ENGINEER

Richard D. Becker
Signature
Richard D. Becker
Typed or Printed Name
Electrical — Discipline
12/02/24 — Date

MARK R. BRENGMAN — STATE OF WASHINGTON — 45586 — REGISTERED PROFESSIONAL ENGINEER

Mark R. Brengman
Signature
Mark R. Brengman
Typed or Printed Name
Mechanical — Discipline
12/02/24 — Date

ELECTRIC DUCT COIL SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVES	COIL DATA									ELECTRIC			PANEL					NOTES	
				CFM	PD ("WC)	SIZE LENGTH (IN)	SIZE WIDTH (IN)	VEL (FPM)	EAT (°F)	LAT (°F)	CAP MBH	TEMP RISE	kW	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER SIZE	MECH	ELEC
EDC-1	THERMOLEC MSC0-20LS	POOL MECH	POOL	6000		2' - 2"	2' - 2"		19 °F	86	187	30 °F	55	208 V	3	DP01	14,16,18	2"	#3/0	200/3	1	-

MECHANICAL NOTES:

1. DUCT HEATER TO BE CONTROLLED BY 0-10 VDC INCLUDED WITH SERESCO UNIT.

CONDENSING UNIT SCHEDULE (POOL)

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVES	COOLING DATA		MOTOR DATA				PANEL					NOTES	
				TONS	SEER	MCA	HP	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
DHU-1A-CU	SERESCO NC-Z-1V	WEST EXTERIOR	POOL	5	-	5	1.6	208 V	3	PP01	12,14,16	1/2"	#12	20/3	-	-
DHU-1B-CU	SERESCO NC-Z-1V	WEST EXTERIOR	POOL	5	-	5	1.6	208 V	3	PP01	12,14,16	1/2"	#12	20/3	-	-

POOL DEHUMIDIFICATION UNIT SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVES	FAN DATA				COOLING DATA							HEATING DATA		MOTOR DATA				PANEL					NOTES	
				CFM	MIN OSA OA	ESP ("WC)	FAN TYPE	REFR	STAGES	MIN MOIST REMOVAL (#/HR)	SPACE TEMP (F)	HUMD RANGE (%RH)	TOTAL (MBH) (MBH)	SENS (MBH) (MBH)	TYPE	MBH	MCA	HP	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
DHU-1	SERESCO NE-210-PS-I	POOL STORAGE	POOL	5600	1400 CFM	1.0	DIRECT DRIVE	R-410A	2	66.4	86	60	150.4	78.6	-	-	56	(2) 2.1	208 V	3	PP01	18,20,22	1"	#6	60/3	1,2	

MECHANICAL NOTES:

1. POOL DEHUMIDIFICATION UNIT INCLUDES FACTORY EQUIPPED POOL HEATING CONNECTIONS. POOL CONTRACTOR TO PROVIDE AND INSTALL POOL HEATING INDEPENDENT OF DHU-1.
2. POOL DEHUMIDIFICATION UNIT AIR TO BE HEATED BY ELECTRIC DUCT HEATER (EDC-1) INSTALLED DOWNSTREAM OF UNIT SUPPLY.

MAKE UP AIR UNIT SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	AREA SERVED	FAN DATA			ELEC HEATING DATA		MOTOR DATA					PANEL					NOTES	
				CFM	ESP (IN. WC)	FAN RPM	MBH	KW @ 208	MCA	HP	RPM	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
KMUA-1	GREENHECK IGX-P109-H12-MF-C	ROOF	KITCHEN	800	1.0	1442	42.5	12.5	55	1/2	1725	208 V	3	KP11	22,24,26	1/2"	#12	15/3	1,2,3	1,2

MECHANICAL NOTES:

1. PROVIDE VFD.
2. INTERLOCK WITH TYPE 1 EXHAUST HOOD.
3. 8 STAGE TURNDOWN

ELECTRICAL NOTES

1. EQUIPMENT CONTAINS INTEGRAL VFD(S). FEEDER SHALL BE COPPER; ALUMINUM IS NOT APPROVED FOR SUBSTITUTION.
2. PROVIDE INTERLOCK WITH KITCHEN FIRE SUPPRESSION SYSTEM (KFSS) SO THAT KFSS ACTIVATION STOPS MOTOR. MOTOR SHALL NOT START UNTIL KFSS IS RESET.

ELECTRIC HEATER SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	DESCRIP.	AREA SERVED	HEATING COIL DATA				PANEL					NOTES	
				TOTAL WATTS	TOTAL (BTUH)	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
ERH-A	BERKO CP751	ELECTRIC HEATER	SEE PLANS	750	2,560	120 V	1	<varies>	<varies>	1/2"	#12	15/1		1,2
FF-A	BERKO FRC-4024	ELECTRIC HEATER	SEE PLANS	3000	10,239	208 V	1	<varies>	<varies>	1/2"	#12	20/2		1

MECHANICAL NOTES

1. EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.

ELECTRICAL NOTES

1. EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
2. PROVIDE WALL MOUNTED 60 MINUTE TIMER SWITCH WITH COVERPLATE. COVERPLATE COLOR SHALL MATCH ADJACENT SWITCHES. LEVITON #LTB60-1L OR EQUAL.

ROOFTOP WITH ENERGY RECOVERY

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVES	FAN DATA								ENERGY WHEEL (SUPPLY SIDE)								ENERGY WHEEL EFF	
				AIRFLOW		ESP		TSP		FAN RPM		WINTER				SUMMER					
				SUP CFM	RET CFM	SUP ("WC)	RET ("WC)	SUP ("WC)	RET ("WC)	SUP	RET	EAT °F DB	EAT °F WB	LAT °F DB	LAT °F WB	EAT°F DB	EAT°F WB	LAT °F DB	LAT °F WB	SUM %	WINT %
ERV-1	GREENHECK RVE-150-74D-0-O-A1	ROOF	BASMENT + LEVEL 1 NORTH	4500 CFM	4500	2.0	2.0	4.122	3.007	1706	1596	19 °F	16 °F	55 °F	45 °F	86 °F	66 °F	78 °F	63 °F	74.1	73.8
ERV-2	GREENHECK RVE-40-41D-0-J-A1	ROOF	LEVEL 1 SOUTH	5000 CFM	5000	2.0	2.0	4.969	3.731	2510	2399	19 °F	16 °F	49 °F	41 °F	86 °F	66 °F	80 °F	64 °F	73.3	73.1

ROOFTOP WITH ENERGY RECOVERY CONTD

UNIT NO.	ENERGY WHEEL (RETURN SIDE)								ENERGY WHEEL EFF		MOTOR DATA			PANEL					NOTES	
	WINTER				SUMMER															
	EAT °F		LAT °F		EAT °F		LAT °F													
	DB	WB	DB	WB	DB	WB	DB	WB	SUM %	WINT %	MCA	V	PHASE	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
ERV-1	70 °F	52.9 °F	33.7 °F	29.1 °F	75 °F	62.5 °F	83.8 °F	65.1 °F	74.1	73.8	38.7	208 V	3	LP11	42,44,46	3/4"	#8	40/3	1,2,3,4	1
ERV-2	72 °F	55.8 °F	40.7 °F	35.5 °F	75 °F	62.5 °F	81.4 °F	65.2 °F	73.3	73.1	38.7	208 V	3	LP12	60,62,64	3/4"	#8	40/3	1,2,3,4	1

MECHANICAL NOTES

1. PROVIDE MERV 8 OUTDOOR AIR AND RETURN AIR FILTERS. PROVIDE MERV 15 SUPPLY AIR FILTER PER WAC 288-97 TABLE 5.
2. PROVIDE WITH MANUFACTURER'S INTEGRAL CONVENIENCE RECEPTACLE.
3. PROVIDE MANUFACTURER'S 24" TALL VIBRATION ISOLATION CURB OR APPROVED EQUIVALENT.
4. PROVIDE BACNET MODULE.

ELECTRICAL NOTES

1. PROVIDE DUCT SMOKE DETECTOR.

12/6/2024 9:12:56 AM

WESLEY BRADLEY PARK PHASE 2 - CARE CENTER

707 39TH AVENUE SE
PUYALLUP, WA 98374

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

No.	Description	Date

ISA202201
PROJECT NUMBER

DCA — DRAWN BY
MRB — CHECKED BY

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

MECHANICAL EQUIPMENT SCHEDULES

ME1.0

HEAT PUMP DOMESTIC WATER HEATER SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	MAX TEMP RISE (DEG. F)	COP	OUTPUT AT 25°F AMBIENT (MBH)	ELECTRICAL			PANEL					NOTES	
							MCA	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
WH-1	AO SMITH APHA280	ROOF	RESIDENTIAL FIXTURES	15	4.27	150	87.5	208 V	3	DP02	8,10,12	1-1/4"	#6	100/3	1,2,3,4	1,2,3
WH-2	AO SMITH APHA280	ROOF	RESIDENTIAL FIXTURES	15	4.27	150	87.5	208 V	3	DP02	14,16,18	1-1/4"	#6	100/3	1,2,3,4	1,2,3
WH-3	AO SMITH APHA280	ROOF	RESIDENTIAL FIXTURES	15	4.27	150	87.5	208 V	3	DP02	20,22,24	1-1/4"	#6	100/3	1,2,3,4	1,2,3
WH-4	AO SMITH APHA200	ROOF	KITCHEN	15	4.44	105	66.25	208 V	3	DP02	19,21,23	1-1/4"	#8	80/3	1,2,3	1,2,3

MECHANICAL NOTES:

1. PROVIDE MANUFACTURERS MANIFOLD KIT WITH PUMP.
2. FURNISH MANUFACTURERS 480V TO 208V TRANSFORMER.
3. PROVIDE UNIT WITH SINGLE POINT POWER CONNECTION OPTION.
4. INTERCONNECT UNITS TO ALLOW UNITS TO CASCADE.

ELECTRICAL NOTES

1. PROVIDE DEDICATED CIRCUIT.
2. INSTALL MANUFACTURERS TRANSFORMER FURNISHED BY PLUMBING CONTRACTOR. PROVIDE REQUIRED WIRING BETWEEN TRANSFORMER AND UNIT.
3. MCA LISTED IS AT 480V. PROVIDE BRANCH CIRCUIT SIZED FOR 208V.

SUMP PUMP SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	GPM	HEAD (FT. WC)	BASIN		MOTOR DATA					PANEL					NOTES	
						DIA. (IN)	DEPTH (IN)	MCA	HP	RPM	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
SP-1	WEIL 1411	MECH 0103	ELEVATOR PIT DRAIN	50	20	24	108		1/2	1750	120 V	1	LP01	12	1/2"	#12	20/1	1	-
SP-2	WEIL 1408	MECH 0103	ELEVATOR PIT DRAINTILE	20	20	24	108		1/3	1750	120 V	1	LP01	14	1/2"	#12	15/1	1	-
SP-3	WEIL 1411	MECH 0103	BUILDING DRAIN TILE	40	15	24	60		1/2	1750	120 V	1	LP01	16	1/2"	#12	20/1	1	-
SP-4	WEIL 1411	POOL MECH 0116	POOL DECK DRAINS	35	15	24	72		1/2	1750	120 V	1	PP01	4	1/2"	#12	20/1	1	-
SP-5	WEIL 1411	MECH 0103	LOWER LEVEL DRAINS	40	20	36	72		1/2	1750	120 V	1	LP01	18	1/2"	#12	20/1	1,2	1

MECHANICAL NOTES

1. REFER TO SPECIFICATIONS FOR FURTHER DETAILS.
2. DUPLEX PUMPS. PUMPS SHALL ALTERNATE OPERATION.

ELECTRICAL NOTES

1. PROVIDE WIRING FROM CONTROL PANEL TO PUMPS.

DIGITAL MIXING VALVE SCHEDULE

FIXTURE TYPE	MANUFACTURER & MODEL #	LOCATION	SERVES	GPM	PRESSURE DROP	INLET CONNECTION	OUTLET CONNECTION	MINIMUM FLOW	MINIMUM RECIRCULATION FLOW	MOTOR DATA			PANEL					NOTES	
										V	PHASE	KVA	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
MV-1	POWERS IS2150F	MECH 0103	RESIDENTIAL FIXTURES	65	5.00 psi	2"	3"	0 GPM	3 GPM	120 V	1	1000 VA	LP01	33	1/2"	#12	20/1	1	1

MECHANICAL NOTES

1. REFER TO PLUMBING SPECIFICATIONS FOR FURTHER DETAILS.

ELECTRICAL NOTES

1. PROVIDE DEDICATED CIRCUIT FROM PANEL LP01.

DOMESTIC CIRCULATION PUMP SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	GPM	HEAD (FT. WC)	MOTOR				PANEL					NOTES	
						HP	RPM	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
CP-1	B&G ECO CIRC XL N 55-45	MECH 0103	RESIDENTIAL FIXTURES	22	25	1/2	VAR	120 V	1	LP01	32	1/2"	#12	20/1	1	1
CP-2	B&G NBF-45	MECH 0103	KITCHEN/LAUNDRY	2	10	FRAC	3300	120 V	1	LP01	34	1/2"	#12	20/1	2	2
CP-3	B&G ECO CIRC XL N 20-140	MECH 0103	RESIDENTIAL FIXTURES	55	5	1/2	VAR	208 V	1	DP02	2,4	1/2"	#12	20/1	1	1
CP-4	B&G PL45	MECH 0103	RESIDENTIAL FIXTURES	15	5	1/6	3300	120 V	1	DP02	6	1/2"	#12	20/1	1	1

MECHANICAL NOTES:

1. RUNS CONTIOUSLY.
2. CONTROLLED BY AQUASTAT.

ELECTRICAL NOTES:

1. ECM MOTOR. PROVIDE NEUTRAL CONDUCTOR WITH PHASE CONDUCTORS.
2. PROVIDE TIME CLOCK FOR OPERATION. SET TIME CLOCK TO OPERATING HOURS.

ELECTRIC DOMESTIC WATER HEATER SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	MAX TEMP RISE (DEG. F)	STORAGE (GAL)	RECOVERY (GPH)	ELECTRICAL			PANEL					NOTES	
							KW	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
WH-5	AO SMITH DSE-65-75	MECH 0103	WH-1/2/3 BACKUP	95	65	341	75	208 V	3	DP02	1,3,5	2-1/2"	#350	300/3		
WH-6	AO SMITH DSE-65-75	MECH 0103	WH-1/2/3 BACKUP	95	65	341	75	208 V	3	DP02	7,9,11	2-1/2"	#350	300/3		
WH-7	AO SMITH DVE-52-40.5	MECH 0103	WH-4 BACKUP	115	52	151	40.5	208 V	3	DP02	13,15,17	1-1/2"	#1/0	150/3		

FAN COIL UNIT SCHEDULE (VRF)

UNIT NO.	MANUFACTURER & MODEL NO.	SERVES	FAN DATA			COOLING DATA	HEATING DATA	MOTOR DATA			PANEL					NOTES	
			CFM	OA CFM	ESP (IN. W/C)	TOTAL (MBH)	MBH	MCA	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
FC-1	MITSUBISHI TRANE TPEFYP024MA144A	OFFICE 0125	800	0 CFM	0.3	24	27	2.88	208 V	1	LP01	28,30	1/2"	#12	20/2	2	-
FC-2	MITSUBISHI TRANE TPEFYP030MA144A	STAFF BREAK 0123	1000	230 CFM	0.3	30	34	2.88	208 V	1	LP01	28,30	1/2"	#12	20/2	2	-
FC-3	MITSUBISHI TRANE TPEFYP024MA144A	EDUCATION 0121	800	210 CFM	0.3	24	27	2.88	208 V	1	LP01	28,30	1/2"	#12	20/2	2	-
FC-4	MITSUBISHI TRANE TPEFYP009MA144A	MED RECORDS 0120	330	65 CFM	0.3	9	9	2.88	208 V	1	LP01	28,30	1/2"	#12	20/2	2	-
FC-5	MITSUBISHI TRANE TPEFYP012MA144A	RES STORAGE 0105	400	270 CFM	0.3	12	13	2.88	208 V	1	LP01	28,30	1/2"	#12	20/2	2	-
FC-6	MITSUBISHI TRANE TPEFYP012MA144A	CORRIDOR E0107	400	0 CFM	0.3	12	13	2.88	208 V	1	LP01	28,30	1/2"	#12	20/2	2	-
FC-7	MITSUBISHI TRANE TPEFYP024MA144A	DAYROOM 1168	800	320 CFM	0.3	24	27	2.88	208 V	1	LP11	30,32	1/2"	#12	20/2	2	-
FC-8	MITSUBISHI TRANE TPEFYP024MA144A	NORTH CORRIDOR	800	365 CFM	0.3	24	27	2.88	208 V	1	LP11	30,32	1/2"	#12	20/2	2	-
FC-9	MITSUBISHI TRANE TPEFYP024MA144A	CORRIDOR 1158	800	0 CFM	0.3	24	27	2.88	208 V	1	EOSLP02	14,16	1/2"	#12	20/2	2	-
FC-10	MITSUBISHI TRANE TPEFYP024MA144A	CONF ROOM E101	800	150 CFM	0.3	24	27	2.88	208 V	1	EOSLP02	14,16	1/2"	#12	20/2	2	-
FC-11	MITSUBISHI TRANE TPEFYP024MA144A	CORRIDOR 1158	800	0 CFM	0.3	24	27	2.88	208 V	1	EOSLP02	14,16	1/2"	#12	20/2	2	-
FC-12	MITSUBISHI TRANE TPEFYP012MA144A	SPA/SALON 1151	600	0 CFM	0.3	18	20	2.88	208 V	1	EOSLP02	14,16	1/2"	#12	20/2	2	-
FC-13	MITSUBISHI TRANE TPEFYP036MA144A	SERVING KITCHEN 1144	1200	0 CFM	0.3	36	40	2.88	208 V	1	LP11	34,36	1/2"	#12	15/2	1,2	-
FC-14	MITSUBISHI TRANE TPEFYP030MA144A	THERAPY 1134	1000	235 CFM	0.3	30	34	2.88	208 V	1	LP11	34,36	1/2"	#12	15/2	1,2	-
FC-15	MITSUBISHI TRANE TPEFYP036MA144A	DINING 1133	1200	285 CFM	0.3	36	40	2.94	208 V	1	LP12	44,46	1/2"	#12	15/2	2	-
FC-16	MITSUBISHI TRANE TPEFYP030MA144A	THERAPY 1134	1000	235 CFM	0.3	30	34	2.94	208 V	1	LP12	44,46	1/2"	#12	15/2	2	-
FC-17	MITSUBISHI TRANE TPEFYP036MA144A	CHAPEL 1113	1200	0 CFM	0.3	36	40	2.94	208 V	1	LP12	44,46	1/2"	#12	15/2	2	-
FC-18	MITSUBISHI TRANE TPEFYP036MA144A	COMMONS 1101	1200	0 CFM	0.3	36	40	2.94	208 V	1	LP12	44,46	1/2"	#12	15/2	2	-
FC-19	MITSUBISHI TRANE TPEFYP012MA144A	OFFICE 1106	600	180 CFM	0.3	18	20	2.94	208 V	1	LP12	44,46	1/2"	#12	15/2	2	-
FC-20	MITSUBISHI TRANE TPEFYP018MA144A	DIRECTOR 1111	600	170 CFM	0.3	18	20	2.94	208 V	1	LP12	44,46	1/2"	#12	15/2	2	-
FC-21	MITSUBISHI TRANE TPEFYP024MA144A	NURSE 1122	800	100 CFM	0.3	24	27	2.94	208 V	1	LP12	48,50	1/2"	#12	15/2	2	-
FC-22	MITSUBISHI TRANE TPEFYP030MA144A	DAYROOM 1129	1200	220 CFM	0.3	36	40	2.94	208 V	1	LP12	48,50	1/2"	#12	15/2	2	-
FC-23	MITSUBISHI TRANE TPMFYP006BM140F	OFFICE 1131	300	0 CFM	0.3	18	20	2.94	208 V	1	LP12	48,50	1/2"	#12	15/2	2	-
FC-24	MITSUBISHI TRANE TPEFYP012MA144A	LAUNDRY 1116	400	100 CFM	0.3	12	13	2.94	208 V	1	LP12	48,50	1/2"	#12	15/2	2	-
FC-25	MITSUBISHI TRANE TPEFYP012MA144A	LAUNDRY 1118	400	100 CFM	0.3	12	13	2.88	208 V	1	EOSLP02	14,16	1/2"	#12	15/2	1,2	-
FC-A	MITSUBISHI TRANE TPMFYP008BM140F	1 BED RESIDENT RM	330	0 CFM	-	8	9	0.25	208 V	1			1/2"	#12	20/2	2	1
FC-B	MITSUBISHI TRANE TPMFYP006BM140F	2 BED RESIDENT RM	300	0 CFM	-	6	6.7	0.25	208 V	1			1/2"	#12	20/2	2	1

MECHANICAL NOTES:

1. SHALL BE ON EMERGENCY POWER.
2. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR FULL DIAGRAM, INCLUDING REFRIGERANT PIPE SIZING.

ELECTRICAL NOTES

1. REFER TO PLANS FOR CIRCUITING.

CONDENSING UNIT SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVES	COOLING DATA			MOTOR DATA			PANEL					NOTES	
				TONS	MBH	EER	MCA	V	PH	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
CU-1	MITSUBISHI TRANE TURYE2163AN41AN	WEST EXTERIOR	FC-1, FC-2, FC-3, FC-4, FC-5, FC-6, FC-7,FC-8, FC-A, FC-B	18	216	20.5	88	208 V	3	LP01	36,38,40	1-1/4"	#3	100/3	2	-
CU-2	MITSUBISHI TRANE TURYE2163AN41AN	WEST EXTERIOR	FC-9, FC-10, FC-11, FC-12, FC-25, FC-A	18	216	20.5	88	208 V	3	EOSLP01	7,9,11	1-1/4"	#3	100/3	1,2	-
CU-3	MITSUBISHI TRANE TURYE2163AN41AN	WEST EXTERIOR	FC-13, FC-14, FC-15, FC-16, FC-17, FC-18, FC-19, FC-20	18	216	20.5	88	208 V	3	DP01	2,4,6	1-1/4"	#3	100/3	2	-
CU-4	MITSUBISHI TRANE TURYE2163AN41AN	WEST EXTERIOR	FC-21, FC-22, FC-23, FC-24, FC-A	18	216	20.5	88	208 V	3	DP01	8,10,12	1-1/4"	#3	100/3	2	-

MECHANICAL NOTES:

1. SHALL BE ON EMERGENCY STANDBY POWER.
2. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR FULL DIAGRAM, INCLUDING REFRIGERANT PIPE SIZING.

BC CONTROLLER SCHEDULE - VRF

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVES/SERVED BY	MAIN/SUB	NO. OF PORTS	PORTS USED	DRAIN SIZE (INCHES)	ELECTRICAL DATA			PANEL					NOTES	
								MCA	V	PHASE	PANEL	CIRCUIT	CONDUIT	WIRE SIZE	BREAKER	MECH	ELEC
BC-1	MITSUBISHI TRANE TCMBM0108JA21N4	MED RECORDS	LEVEL 0 VRF/CU-1	MAIN	8	6	3/4	0.9	208 V	1	EOSLP01	12,14	1/2"	#12	15/2	2	-
BC-2	MITSUBISHI TRANE TCMBS0108KB11N4	CORRIDOR NORTH	LEVEL 1 VRF/CU-1	SUB	8	8	3/4	0.8	208 V	1	EOSLP02	10,12	1/2"	#12	15/2	2	-
BC-3	MITSUBISHI TRANE TCMBM1012JA11N4	CORRIDOR NORTH	LEVEL 1 VRF/CU-2	MAIN	12	12	3/4	1.2	208 V	1	EOSLP02	10,12	1/2"	#12	15/2	2	-
BC-4	MITSUBISHI TRANE TCMBS0108KB11N4	CORRIDOR	LEVEL 1 VRF/CU-2	SUB	8	5	3/4	0.8	208 V	1	EOSLP02	10,12	1/2"	#12	15/2	2	-
BC-5	MITSUBISHI TRANE TCMBM0108JA21N4	CORRIDOR SOUTH	LEVEL 1 VRF/CU-3	MAIN	8	7	3/4	1.2	208 V	1	EOSLP03	10,12	1/2"	#12	15/2	1,2	-
BC-6	MITSUBISHI TRANE TCMBM1016JA21N4	CORRIDOR SOUTH	LEVEL 1 VRF/CU-4	MAIN	16	15	3/4	1.6	208 V	1	EOSLP03	10,12	1/2"	#12	15/2	2	-
BC-7	MITSUBISHI TRANE TCMBS0108KB11N4	CORRIDOR SOUTH	LEVEL 1 VRF/CU-4	SUB	8	7	3/4	0.8	208 V	1	EOSLP03	10,12	1/2"	#12	15/2	2	-

MECHANICAL NOTES:

1. UNIT SHALL BE PROVIDED WITH EMERGENCY POWER. ALL CONTROLLERS AND LOW VOLTAGE TRANSFORMERS USED TO PROVIDE CONTROL SHALL ALSO BE SERVED FROM EMERGENCY POWER. COORDINATE WITH ELECTRICAL CONTRACTOR.
2. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR FULL DIAGRAM, INCLUDING REFRIGERANT PIPE SIZING.

MECHANICAL AND ELECTRICAL EQUIPMENT SCHEDULE GENERAL NOTES

A. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL EQUIPMENT SCHEDULED.

B. THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING AND MAKE FINAL CONNECTION TO EACH PIECE OF EQUIPMENT SCHEDULED.

C. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL STARTERS AND DISCONNECTS.

D. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES AS WELL AS ALL LINE VOLTAGE AND LOW VOLTAGE WIRING NECESSARY TO INSTALL AND MAKE FULLY OPERATIONAL SPECIFIED CONTROL SYSTEMS, UNLESS NOTED OTHERWISE.

E. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SINGLE PHASE LINE VOLTAGE CONTROL DEVICES, SUCH AS 120/208/240 VOLT THERMOSTATS, SWITCHES AND TIME CLOCKS DIRECTLY CONTROLLING EXHAUST FANS, UNIT HEATERS, ETC., INCLUDING ALL ELECTRICAL MATERIALS AND FINAL CONNECTIONS.

F. THE ELECTRICAL CONTRACTOR SHALL PROVIDE 120V JUNCTION BOX OR RECEPTACLES ADJACENT TO WATER HEATERS, SUMP PUMPS AND WATER SOFTENERS.

G. MECHANICAL CONTRACTOR SHALL PROVIDE EQUIPMENT AFFIXED WITH A VISIBLE NAMEPLATE MARKED WITH THE SHORT CIRCUIT CURRENT RATING (SCCR) TO COMPLY WITH SECTION 440.4(B) OF THE LATEST ADOPTED NEC. MINIMUM EQUIPMENT SCCR SHALL BE 5,000 AIC, UNLESS NOTED OTHERWISE.

STEEN ENGINEERING
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Minneapolis, MN 55429

STATE OF WASHINGTON — RICHARD D. BECKER — 22028534 — REGISTERED PROFESSIONAL ENGINEER

Signature

Richard D. Becker
Typed or Printed Name

Electrical — Discipline
12/02/24 — Date

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1000 university ave. w. suite 130
st. paul, minnesota 55104
612-252-4820

STATE OF WASHINGTON — MARK R. BRENGMAN — 45586 — REGISTERED PROFESSIONAL ENGINEER

Signature

Mark R. Brengman
Typed or Printed Name

Mechanical — Discipline
12/02/24 — Date

WESLEY BRADLEY PARK PHASE 2 - CARE CENTER

707 39TH AVENUE SE
PUYALLUP, WA 98374

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

CARE CENTER
PERMIT SET
December 2, 2024

REVISIONS

No.	Description	Date

ISA202201
PROJECT NUMBER

RDB/DCA — DRAWN BY
MRB/RDB — CHECKED BY

WESLEY BRADLEY PARK
PHASE 2 - CARE CENTER

MECHANICAL EQUIPMENT SCHEDULES

ME1.1

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