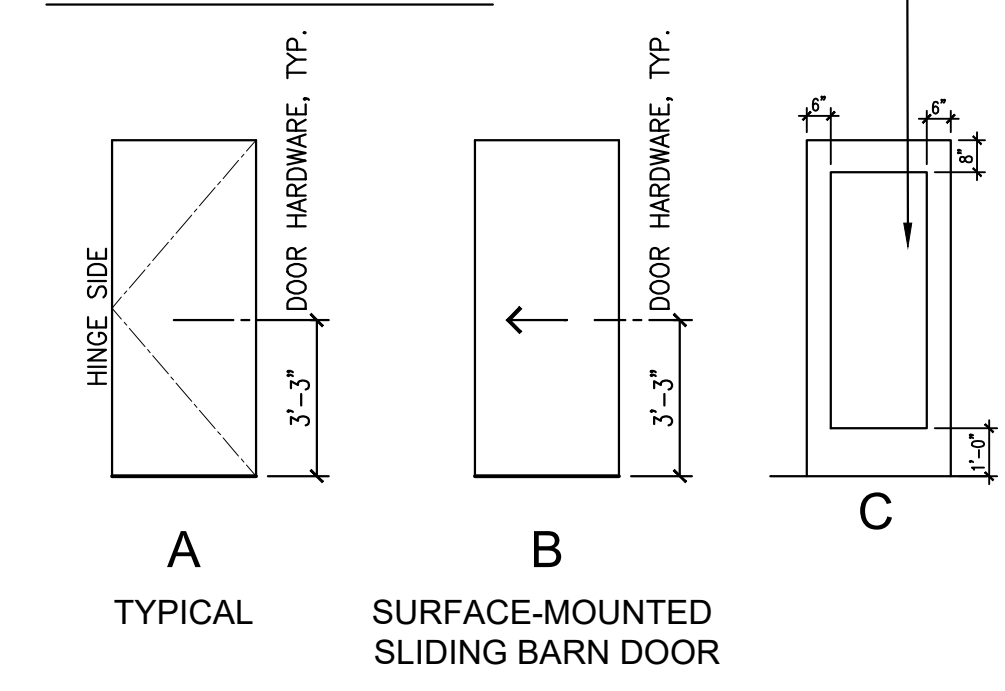


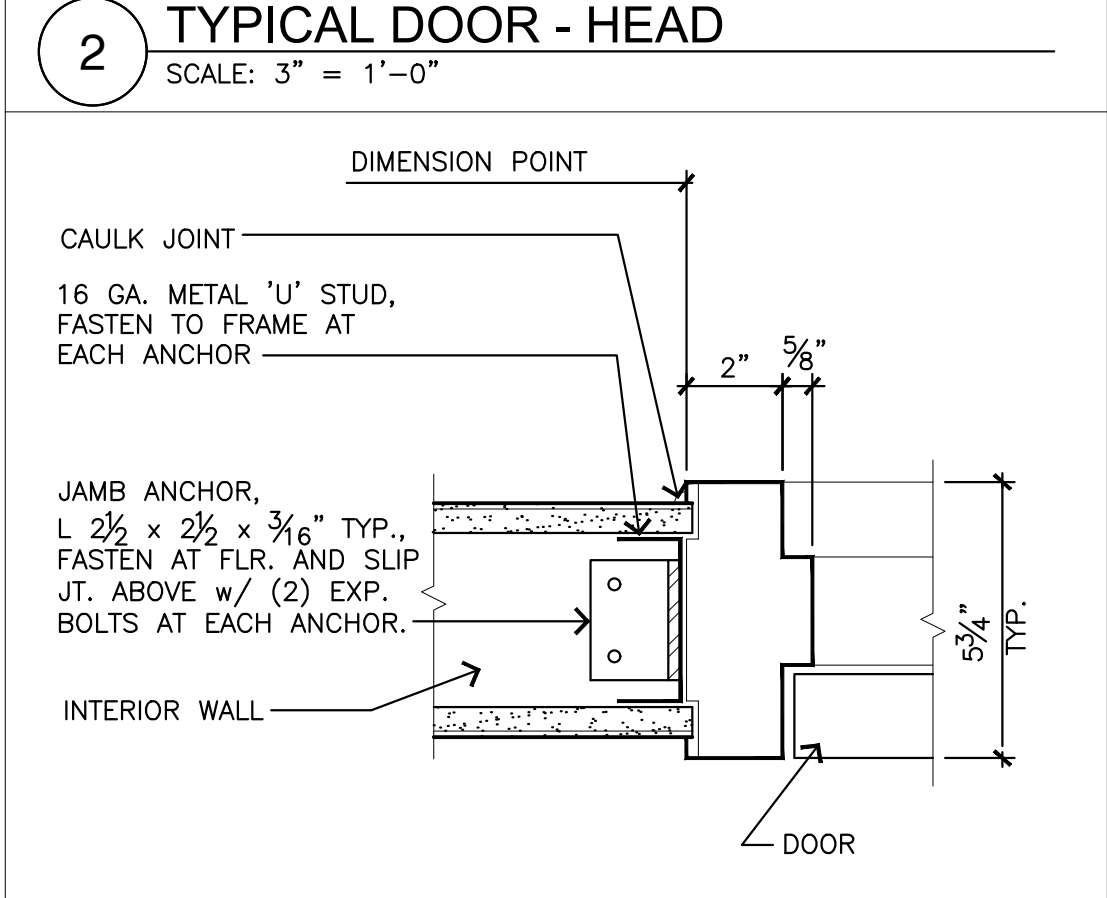
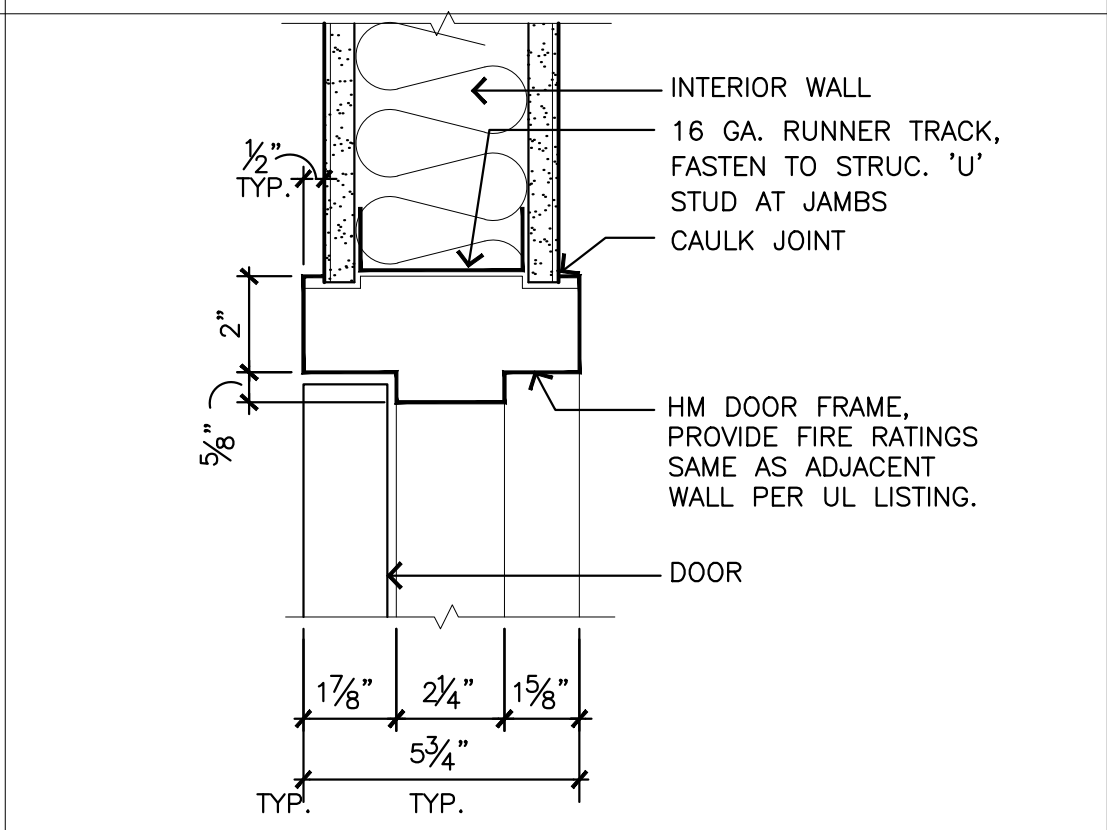
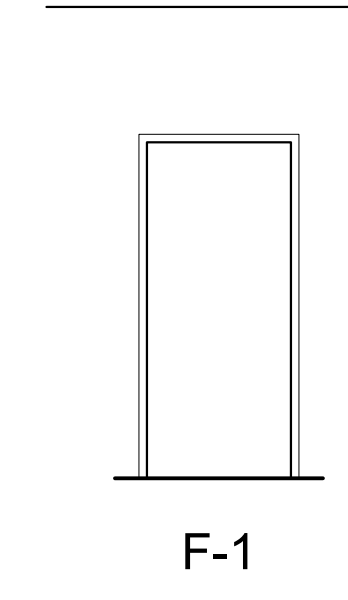
DOOR SCHEDULE

NUMBER	CLASS	SIZE	DOOR			FRAME			DETAIL			GLAZING		FIRE RATING	LEAD SHIELDING	HARDWARE SCHEDULE											NOTES											
			THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	THRESHOLD	TYPE			RATING	HINGES	LOCK	CYLINDER	CLOSER	WALL STOP	OVERHEAD STOP	DOOR STOP	SILENCERS	PANIC	KICKPLATE		MAGNETIC HOLD-OPEN	FINISH									
4400-01(E)	EXIST	3'-0" X 7'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1, 2
4400-03	NEW	3'-0" X 7'-0"	1 1/2"	B	WD	WS	-	-	-	BM	BM	-	N/A	N/A	NR	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
4400-06(E)	EXIST	3'-0" X 7'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
4400-07(E)	EXIST	3'-0" X 7'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
4400-08	NEW	3'-0" X 7'-0"	1 1/2"	A	WD	WS	F-1	HM	MP	2/A7.0	1/A7.0	-	N/A	N/A	NR	N	3	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-09	NEW	3'-0" X 7'-0"	1 1/2"	A	WD	WS	F-1	HM	MP	2/A7.0	1/A7.0	-	N/A	N/A	NR	N	3	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-10	NEW	3'-0" X 7'-0"	1 1/2"	B	WD	WS	-	-	-	BM	BM	-	N/A	N/A	NR	N	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-11	NEW	3'-0" X 7'-0"	1 1/2"	B	WD	WS	-	-	-	BM	BM	-	N/A	N/A	NR	N	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-12	NEW	3'-0" X 7'-0"	1 1/2"	B	WD	WS	-	-	-	BM	BM	-	N/A	N/A	NR	N	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-13	NEW	3'-0" X 7'-0"	1 1/2"	B	WD	WS	-	-	-	BM	BM	-	N/A	N/A	NR	N	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-14	NEW	3'-0" X 7'-0"	1 1/2"	B	WD	WS	-	-	-	BM	BM	-	N/A	N/A	NR	N	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-15	NEW	3'-0" X 7'-0"	1 1/2"	B	WD	WS	-	-	-	BM	BM	-	N/A	N/A	NR	N	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-16(E)	EXIST	3'-0" X 7'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	
4400-17	NEW	3'-0" X 7'-0"	1 1/2"	B	WD	WS	-	-	-	BM	BM	-	N/A	N/A	NR	N	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-18	NEW	3'-0" X 7'-0"	1 1/2"	B	WD	WS	-	-	-	BM	BM	-	N/A	N/A	NR	N	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-19	NEW	3'-8" X 7'-0"	1 1/2"	A	WD	WS	F-1	HM	MP	2/A7.0	1/A7.0	-	N/A	N/A	NR	N	3	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	DC	
4400-20	NEW	3'-0" X 7'-0"	1 1/2"	C	WD	WS	F-1	HM	MP	2/A7.0	1/A7.0	-	CT	NR	NR	N	3	N	N	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	DC	4	
4400-21	NEW	3'-0" X 7'-0"	1 1/2"	A	WD	WS	F-1	HM	MP	2/A7.0	1/A7.0	-	N/A	N/A	NR	N	3	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	DC	5
4400-23	EXIST	3'-0" X 7'-0"	1 1/2"	A	WD	WS	F-1	HM	MP	2/A7.0	1/A7.0	-	N/A	N/A	NR	N	3	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	DC	3
4001(E)	EXIST	3'-6" X 7'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5		

DOOR TYPES



DOOR FRAMES



GENERAL NOTES

- ALL DOORS TO BE 1 1/4" THICK, UNLESS NOTED OTHERWISE.
- DOOR GLAZING COLUMN REFERS TO DOOR, SIDELIGHT AND TRANSOM.
- LABEL COLUMN NUMBER INDICATES THE RATING IN MINUTES, UNLESS NOTED OTHERWISE.
- GLAZING DIMENSIONS FOR DOOR TYPES ARE TO INSIDE OF FRAME (CLEAR GLAZING AREA).
- RELITE GLAZING AND STOP TO OCCUR ON CORRIDOR/HALLWAY SIDE OF FRAME, UNLESS NOTED OTHERWISE.
- STRIKE JAMB DETAIL IS SIMILAR TO HINGE JAMB DETAIL, UNLESS NOTED OTHERWISE.
- VERIFY WALL CONSTRUCTION FOR FRAME DEPTH.
- ALL DOOR HARDWARE SHOULD COMPLY WITH 'ADA' REQUIREMENTS. SEE SPEC FOR HARDWARE SET INFORMATION.
- VERIFY EXISTING WALL CONSTRUCTION FOR FRAME DEPTHS.
- SEE DETAIL 19/A8.1 FOR MANEUVERING CLEARANCES AT DOORS.
- ALL DOORS SHALL BE FINISHED IN SIERRA 20, ON WHITE MAPLE DOORS (OREGON DOOR OR APPROVED EQUAL).

- EXISTING BADGE READER TO REMAIN
- NEW AUTOMATIC DOOR OPERATOR
- NEW CIPHER LOCK - TRILOGY T2 LOCKSET (SL2700IC STANDARD)
- INSTALL SIGN "DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS."
- NEW BADGE READER AND ELECTRIC STRIKE

GENERAL:	(E) EXISTING		GLAZING:	CW CLEAR WIRE	
	N NO		CT CLEAR TEMPERED		
	N/A NOT APPLICABLE		TT TINTED TEMPERED		
	Y YES		FL FIRELITE		
THICKNESS:	TYPICAL ALL DOORS 1 1/4" UNLESS OTHERWISE INDICATED		VC VISION CONTROL (INTEGRAL BLINDS)		
	BM BY MANUFACTURER		LC LEAD SHIELDING		
	0 THICKNESS TO MATCH EXIST. FRAME (VERIFY)				
MATERIAL:	SC SOLID CORE WOOD (TYPICAL)		FIRE RATING:	20, 60, 90 MIN. 1, 1 1/2 HOUR, ETC. - INDICATES LABEL	
	HM HOLLOW METAL		FRAME:	HM HOLLOW METAL	
	AG ALUMINUM AND GLASS			AL ALUMINUM	
	WV WOOD PANEL/VINYL			S STEEL	
FINISH:	PLAM PLASTIC LAMINATE - WHITE MAPLE			BM BY MANUFACTURER	
	MP METAL, PAINTED			O EXISTING FRAME TO REMAIN. PAINT TO MATCH ADJACENT WALL.	
	AA ANODIZED ALUMINUM, MILL FINISH			WD WOOD, PAINTED	
	BM BY MANUFACTURER			DC DULL CHROME	
	NF NATURAL FINISH (SYNTHETIC)				
	WS WOOD, STAINED				

City of Puyallup
Development & Permitting Services
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Building	Planning
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Fire	Traffic

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Karssea M. Langlois
STATE OF WASHINGTON

OWNER:
MultiCare
BetterConnected

PROJECT NAME:
MultiCare
GSMOB
Suite 4400
Clinic T.I.

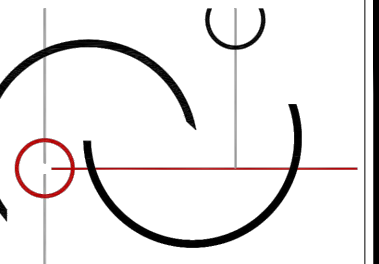
1450 5th St SE
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL #1

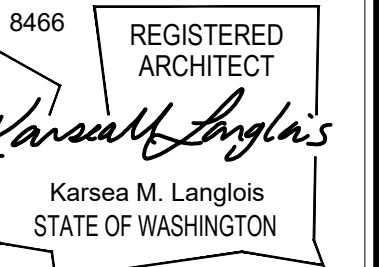
PROJECT NO. 31251
DRAWN BY: K. LANGLOIS
DATE: 10 APRIL 2023
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SHEET TITLE:
DOOR
SCHEDULE, &
DETAILS

SHEET #:
A7.0



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KLanglois@insightdesignstudio.biz
12345 Lake City Way NE #2108
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206-601-6645



OWNER:



PROJECT NAME:
**MultiCare
GSMOB
Suite 4400
Clinic T.I.**

1450 5th St SE
Puyallup, WA 98372

MARK DATE DESCRIPTION

4/10/2023 PERMIT SUBMITTAL #1

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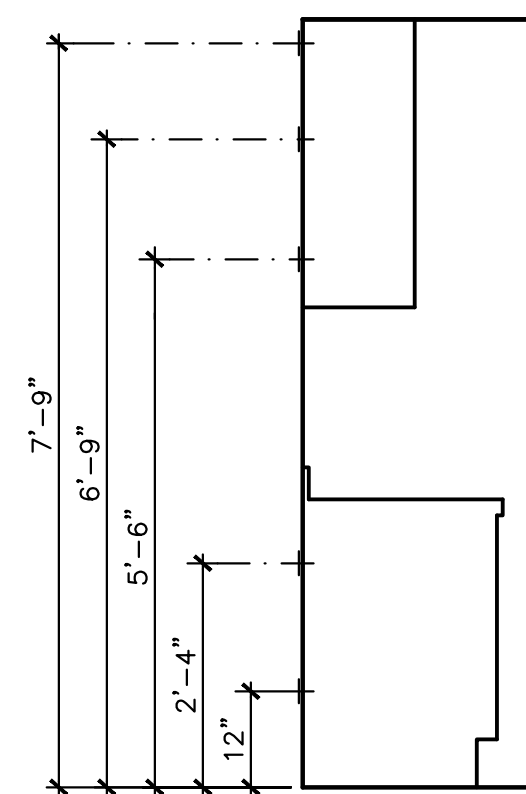
InSight Healthcare Architecture

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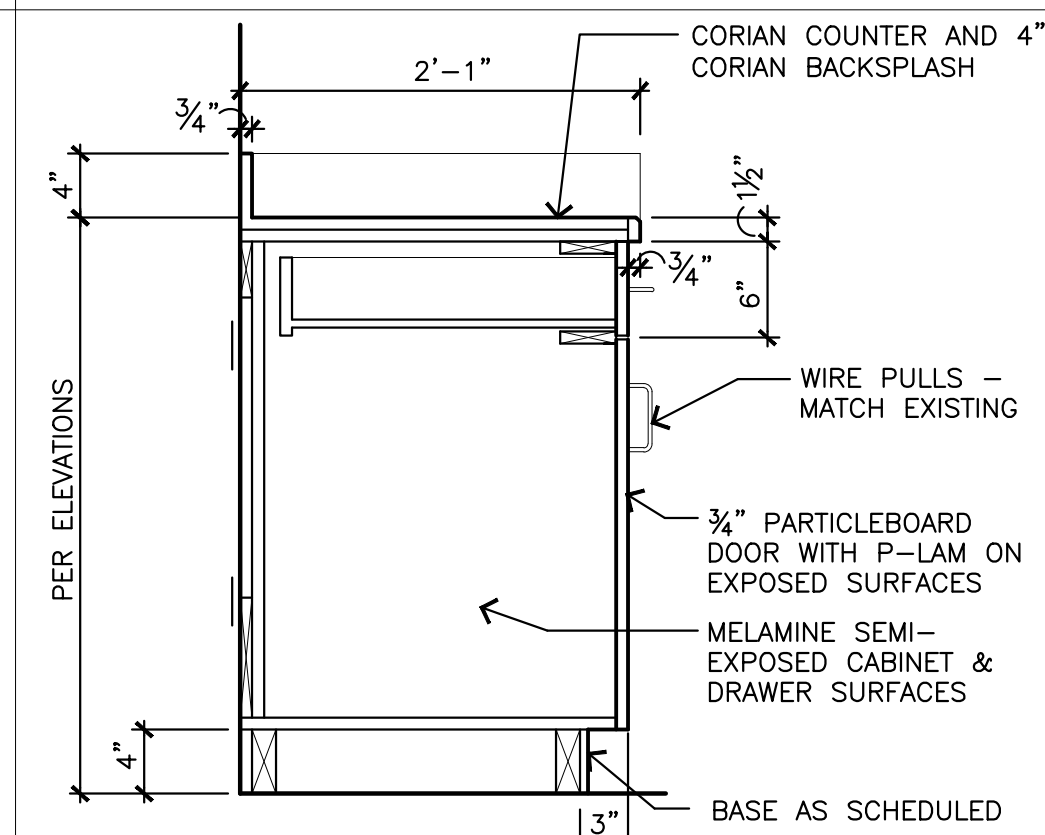
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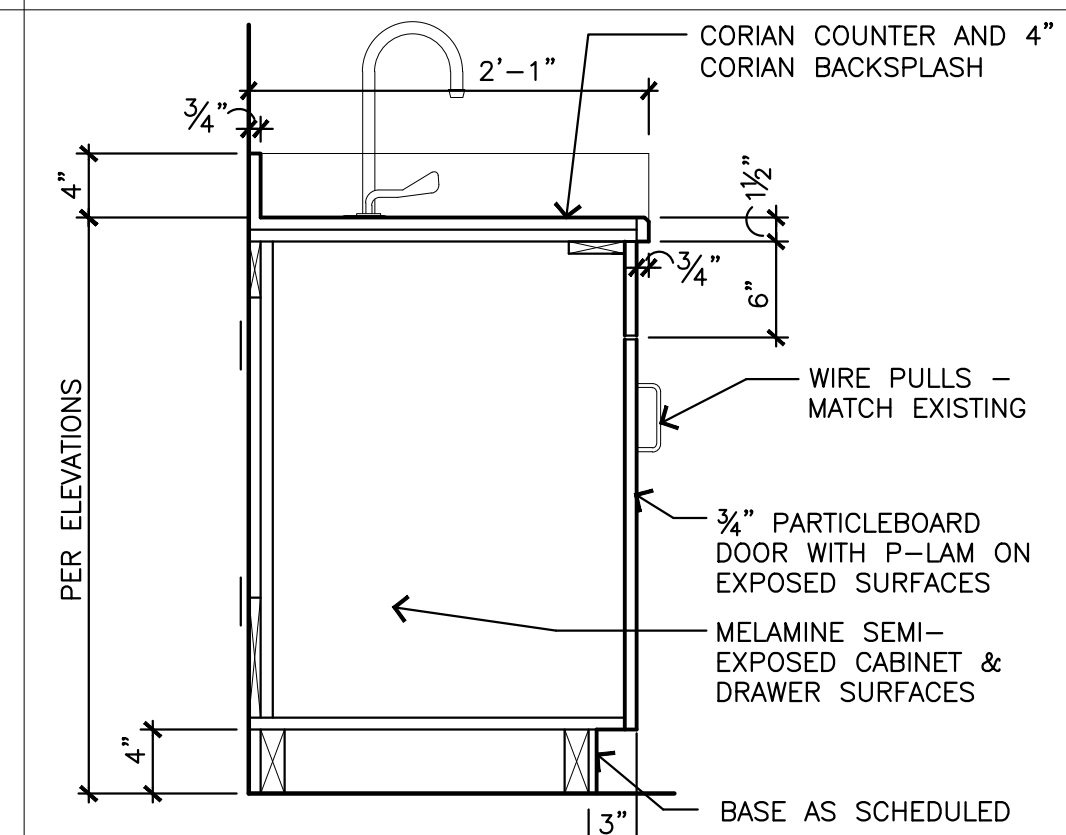
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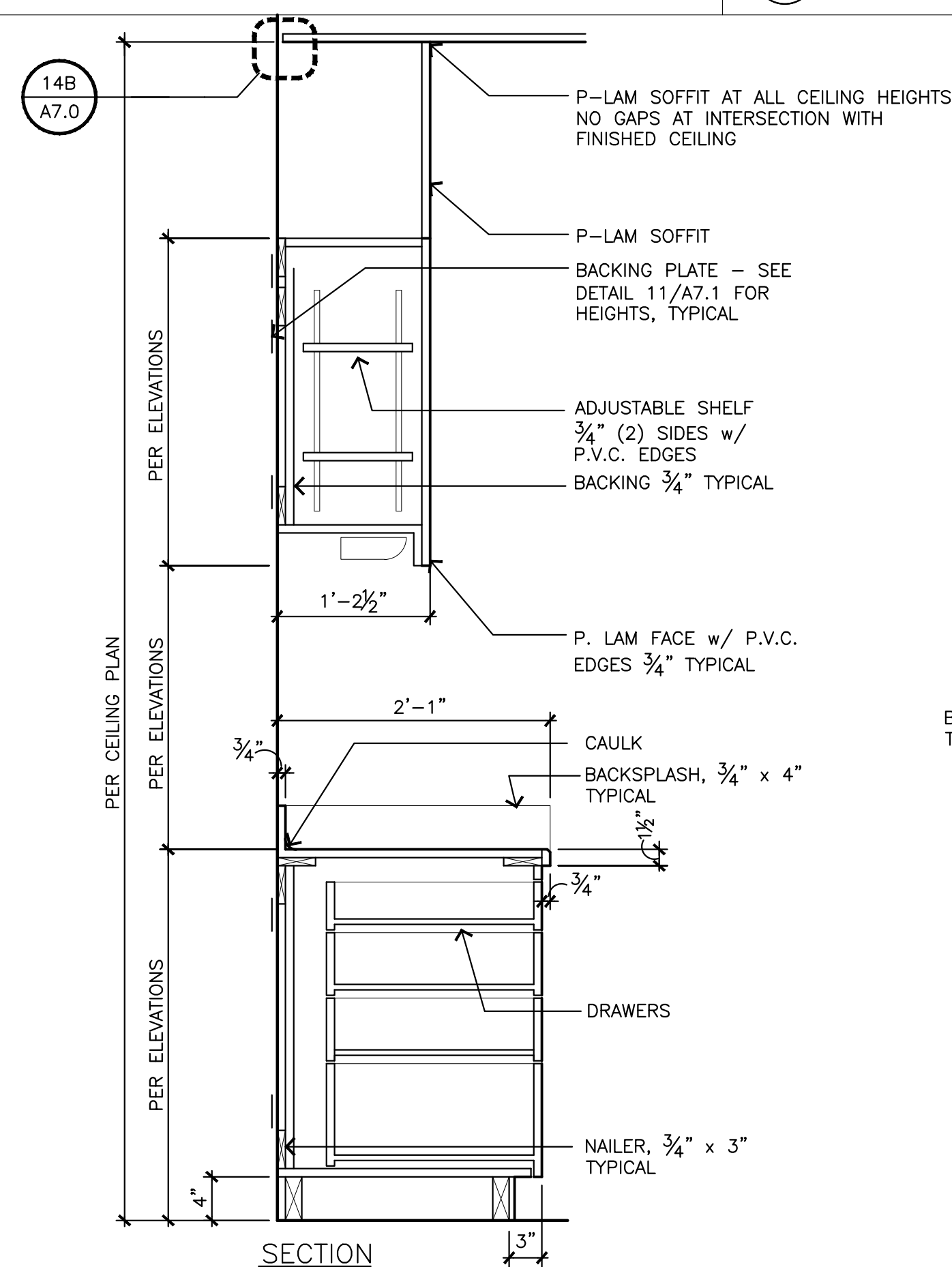
19 BACKING PLATE HTS. AT CABS.
SCALE: 1/2" = 1'-0"



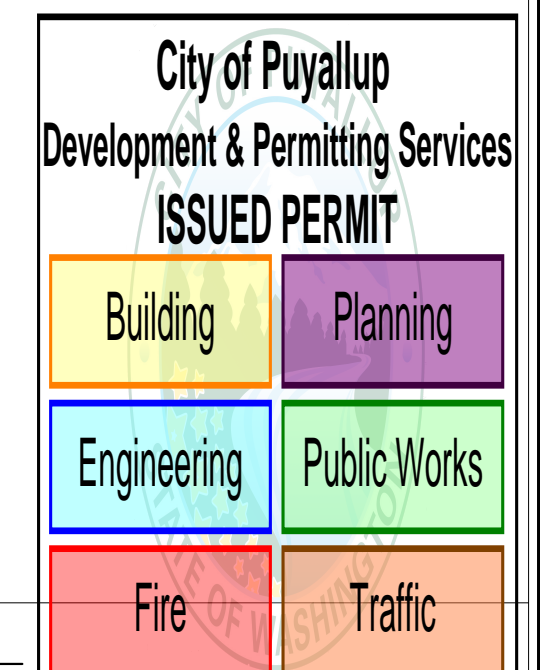
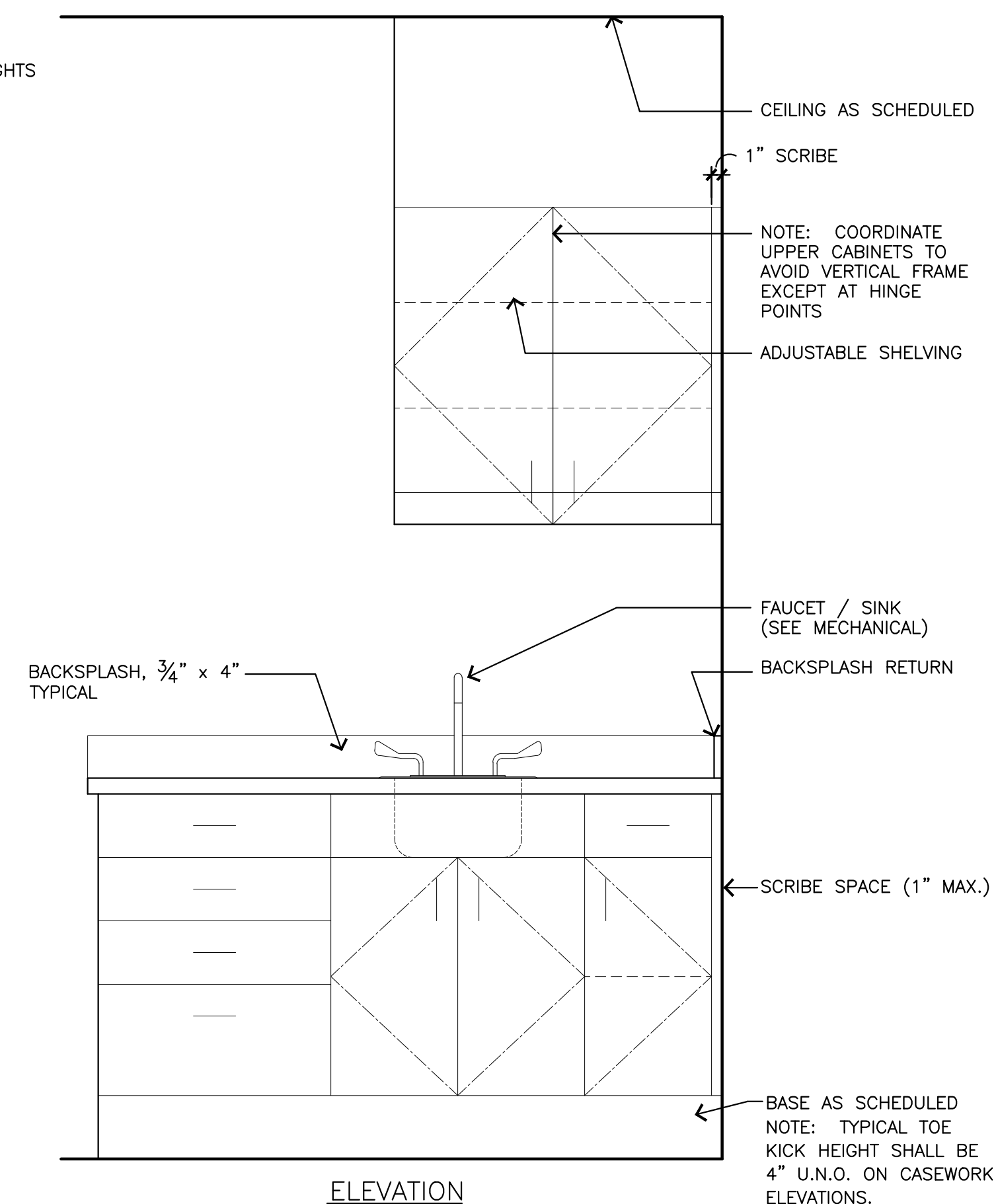
12 BASE CABINET
SCALE: 1" = 1'-0"



11 SINK BASE CABINET
SCALE: 1" = 1'-0"



3 TYPICAL CABINETS
SCALE: 1" = 1'-0"



PRCTI20230601

GENERAL LEGEND

SYMBOL	DESCRIPTION
	DETAIL SYMBOL: A = IDENTIFYING NUMBER B = SHEET WHERE DETAIL IS SHOWN
	DETAIL SYMBOL: A = IDENTIFYING NUMBER B = SHEET WHERE DETAIL IS TAKEN C = SHEET WHERE DETAIL IS SHOWN
	SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS SHOWN
	SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS TAKEN C = SHEET WHERE SECTION IS SHOWN
	SECTION CUT LINE INDICATOR
	KEYED REFERENCE NOTE OR SHEET NOTE
	POINT OF CONNECTION (POC) SYMBOL
	PLUMBING FIXTURE REFERENCE (REFER TO SCHEDULE)
	EQUIPMENT IDENTIFICATION (REFER TO SCHEDULES)
	MEDICAL GAS OUTLET IDENTIFICATION (REFER TO SCHEDULE)
	MEDICAL GAS ZONE VALVE STATION MOUNTED IN WALL
	MEDICAL GAS ALARM PANEL MOUNTED IN WALL
	MEDICAL GAS OUTLET
	REVISION CLOUD AND REVISION NUMBER
	BINARY (YES/NO) SENSING SWITCH (PIPE OR DUCT MOUNTED)
	BINARY (YES/NO) SENSING SWITCH (SURFACE MOUNTED)
	ANALOG SENSING DEVICE (PIPE OR DUCT MOUNTED)
	ANALOG SENSING DEVICE (SURFACE MOUNTED)
	ANALOG SENSING DEVICE (SURFACE MOUNTED) (APPROPRIATE FOR MEASURED FLUID) SUBSCRIPT LETTER (X) INDICATES:
	A - ALARM PRESSURE SENSOR D - DIFFERENTIAL PRESSURE F - FLOW RATE H - HUMIDITY L - LOW LIMIT P - PRESSURE (STATIC) T - TEMPERATURE V - VELOCITY & VOLUME FLOW RATE

ABBREVIATIONS

ABBR	DESCRIPTION	ABBR	DESCRIPTION
ABV	ABOVE	L	LENGTH
AD	ACCESS DOOR	LAT	LEAVING AIR TEMPERATURE
AHU	AIR HANDLING UNIT	LBS	POUNDS
AL	ACOUSTIC LINED	LF	LINEAR FOOT/FEET
AP	ACCESS PANEL	LVG	LEAVING
APD	AIR PRESSURE DROP	LWG	LOW WALL GRILLE
ARCH	ARCHITECT/ARCHITECTURAL	LWR	LOW WALL REGISTER
ARV	AUTOMATIC RELIEF VALVE or ACID RESISTANT VENT	LWT	LEAVING WATER TEMPERATURE
ARW	ACID RESISTANT WASTE	MAX	MAXIMUM
BDD	BACKDRAFT DAMPER	MBH	1000 BRITISH THERMAL UNITS PER HOUR
BFP	BACKFLOW PREVENTER	MCC	MOTOR CONTROL CENTER
BHP	BRAKE HORSEPOWER	MECH	MECHANICAL
BS	BELOW GROUND	MFR	MANUFACTURER
BJ	BETWEEN JOISTS	MIN	MINIMUM
BTU	BRITISH THERMAL UNIT	MISC	MISCELLANEOUS
BTUH	BRITISH THERMAL UNITS PER HOUR	MTD	MOUNTED
		MTG	MOUNTING
C	CENTIGRADE	N/A	NOT APPLICABLE
CC	COOLING COIL	N/C	NORMALLY CLOSED
CD	CEILING DIFFUSER	N/O	NORMALLY OPEN
CFM	CUBIC FEET PER MINUTE	NC	NOISE CRITERIA
CG	CEILING GRILLE	NC	NOT IN CONTRACT
CI	CAST IRON	NTS	NOT TO SCALE
CLG	CEILING CLEANOUT	OA	OUTSIDE AIR
CO	CONCRETE	OB	OPPOSED BLADE DAMPER
CONC	CONNECT or CONNECTION	OC	ON CENTER
CONN	CONSTRUCTION	OD	OUTSIDE DIAMETER
CONST	CONTINUATION	OPNG	OPENING
CONT	CONDENSATE RETURN	PCV	PRESSURE CONTROL VALVE
CR		PD	PRESSURE DROP
DB	DECIBEL or DRY BULB	PH or Ø	PHASE
DDC	DIRECT DIGITAL CONTROL	PLCS	PLACES
DIA	DIAMETER	POC	POINT OF CONNECTION
DIM	DIMENSION	POUA	POINT OF USE ALARM
DN	DOWN	PRV	PRESSURE REDUCING VALVE
DPR	DAMPER	PSI	POUNDS PER SQUARE INCH
DWG	DRAWING	PSIG	POUNDS PER SQUARE INCH GAGE
E-100	EXHAUST AIR NUMBER INDICATES CFM QUANTITY	R-100	RETURN AIR NUMBER INDICATES CFM QUANTITY
EA	EACH	RA	RETURN AIR
EAT	ENTERING AIR TEMPERATURE	RAG	RETURN AIR GRILLE
EF	EXHAUST FAN	REQD	REQUIRED
EG	EXHAUST GRILLE	RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR
ELEC	ELECTRIC or ELECTRICAL	RPM	REVOLUTIONS PER MINUTE
ELEV	ELEVATION	S-100	SUPPLY AIR NUMBER INDICATES CFM QUANTITY
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM	SA	SUPPLY AIR
ESP	EXTERNAL STATIC PRESSURE	SAF	SUPPLY FAN
EWT	ENTERING WATER TEMPERATURE	SH	SHEET
EXH	EXHAUST	SIM	SIMILAR
EXST or (E)	EXISTING	SP	STATIC PRESSURE
F	FAHRENHEIT	SO	SQUARE
FA	FACE AREA	SS	SQUARE FOOT/FEET
FCO	FLOOR CLEANOUT	STD	STANDARD
FCU	FAN COIL UNIT	THK	THICK
FD	FLOOR DRAIN	TP	TRAP PRIMER or TEST PLUG
FDPR	FIRE DAMPER	TYP	TYPICAL
FF	FUNNEL FLOOR DRAIN	TU	TERMINAL UNIT
FF	FINAL FILTER	UBC	UNIFORM BUILDING CODE
FLR	FLOOR	UFC	UNIFORM FIRE CODE
FBM	FEET PER MINUTE	UMC	UNIFORM MECHANICAL CODE
FPS	FEET PER SECOND	UPC	UNIFORM PLUMBING CODE
FT	FOOT/FEET	UG	UNDERGROUND
FV	FACE VELOCITY	UH	UNIT HEATER
GA	GAGE or GAUGE	VA	VALVE
GAL	GALLON	VAC	VACUUM
GALV	GALVANIZED	VAV	VARIABLE AIR VOLUME
GPH	GALLONS PER HOUR	VD	VOLUME DAMPER
GPM	GALLONS PER MINUTE	VEL	VELOCITY
H	HEIGHT	VFD	VARIABLE FREQUENCY DRIVE
HD	HEAD	VIR	VENT THRU ROOF
HP	HORSEPOWER	W	WIDE
HTG	HEATING	W/	WITH
HVAC	HEATING, VENTILATION AND AIR CONDITIONING	W/O	WITHOUT
HWG	HIGH WALL GRILLE	WB	WET BULB
HWR	HIGH WALL REGISTER	WCO	WALL CLEANOUT
HZ	HERTZ	WG	WATER GAGE
		WGE	WASTE GAS EVACUATION
ID	INSIDE DIAMETER	WPD	WATER PRESSURE DROP
IE	INVERT ELEVATION	WT	WEIGHT
IN	INCH or INCHES		
INSUL	INSULATION		
INV	INVERT		
KW	KILOWATT		
KWH	KILOWATT HOUR		

AIR DISTRIBUTION LEGEND

SYMBOL	ABBR	DESCRIPTION
		LIGHT LINWORK INDICATES EXISTING DUCT OR EQUIPMENT
		INDICATES DUCT OR EQUIPMENT TO BE REMOVED
		DUCT SIZE IN INCHES FIRST SIZE LISTED IS SIDE SHOWN
		ACOUSTIC LINED DUCT
	R	DUCT OFFSET (UP) IN DIRECTION OF ARROW (NOT TYPICALLY SHOWN)
	D	DUCT OFFSET (DN) IN DIRECTION OF ARROW (NOT TYPICALLY SHOWN)
		ROUND DUCT IN INCHES
		OVAL DUCT IN INCHES
		CHANGE OF DUCT SIZE
		CHANGE OF DUCT SIZE (TRIANGLE NOT ALWAYS SHOWN)
		RECTANGULAR SUPPLY DUCT ELBOW TURNED UP
		RECTANGULAR SUPPLY DUCT ELBOW TURNED DOWN OR AWAY
		RECTANGULAR RETURN/EXHAUST DUCT ELBOW TURNED UP
		RECTANGULAR RETURN/EXHAUST DUCT ELBOW TURNED DOWN OR AWAY
		SMALL RECTANGULAR DUCT ELBOW TURNED DOWN OR AWAY
		ROUND DUCT ELBOW TURNED UP
		ROUND DUCT ELBOW TURNED DOWN OR AWAY
		END OF DUCT WITH CAP (UNLESS INDICATED OTHERWISE)
	FLEX	FLEXIBLE DUCT
	AD	DUCT ACCESS DOOR
	VD	VOLUME DAMPER

DRAWING INDEX

SHEET NUMBER	DESCRIPTION
M0.1	COVER SHEET, GENERAL NOTES, & INDEX
M0.2	GENERAL SPECIFICATIONS
M0.3	MECHANICAL SCHEDULES
M1.1	FOURTH FLOOR MECHANICAL PLAN - DEMO
M1.2	FOURTH FLOOR MECHANICAL PLAN
M3.1	MECHANICAL DETAILS

GENERAL NOTES

- PIPE AND DUCT SIZES: WHERE A SECTION OF PIPE OR DUCT BETWEEN TAKEOFFS DOES NOT HAVE A SIZE INDICATED, IT SHALL BE SAME SIZE AS SECTION UPSTREAM (DOWNSTREAM FOR EXHAUST AND RETURN DUCTS). IN GENERAL, AS VOLUME FLOW RATE DECREASES, PIPE OR DUCT SIZE SHALL REMAIN LARGE UNTIL A SMALLER SIZE IS INDICATED. NOTE THAT SOME PIPE AND DUCT SIZES ARE INDICATED ON ASSOCIATED DEVICE SCHEDULE.
- CEILING COORDINATION: REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELECTRICAL PLANS. COORDINATE LOCATION OF DIFFUSERS, CEILING GRILLES, SPRINKLER HEADS, ETC. WITH OTHER CEILING ELEMENTS. VALVES, FIRE DAMPERS, HEATING AND COOLING COILS, AND OTHER SERVICEABLE ITEMS ABOVE THE CEILING SHALL BE LOCATED SO AS TO BE READILY ACCESSIBLE FROM REMOVABLE CEILING PANELS OR ACCESS DOORS. IF REMOVABLE PANELS OR ACCESS DOORS ARE NOT CONVENIENT, CONTACT ARCHITECT FOR DIRECTION PRIOR TO INSTALLING SERVICEABLE ITEMS.
- WALL MOUNTED ITEMS: REFER TO ARCHITECTURAL PLANS AND WALL ELEVATIONS FOR EXACT LOCATIONS OF PLUMBING FIXTURES, AND OTHER WALL MOUNTED OR COUNTER MOUNTED MECHANICAL ITEMS.
- OFFSETS: PLANS ARE DIAGRAMMATIC IN NATURE AND DO NOT ATTEMPT TO SHOW EXACT LOCATIONS OF DUCTWORK AND PIPING NOR DO THEY SHOW ALL OFFSETS THAT WILL BE REQUIRED FOR INSTALLATION. IN MANY CASES, OFFSETS WILL REQUIRE SIGNIFICANT ADDITIONAL LENGTHS OF PIPE OR DUCT AND ADDITIONAL FITTINGS, PARTICULARLY IN AREAS WHERE OTHER MEP DISTRIBUTION EXISTS IN UNKNOWN LOCATIONS, SUCH AS IN THE EXISTING TENANT SPACE BELOW. PROVIDE ALL NEEDED OFFSETS WITHOUT ADDED COMPENSATION. PERFORM FIELD INVESTIGATION AND COORDINATE WITH OTHER TRADES PRIOR TO FABRICATION OF DUCTWORK AND PIPING.
- CLEANOUTS: PLUMBING CLEANOUT LOCATIONS ARE NOT ALWAYS ESTABLISHED ON THE PLANS IN ORDER TO GIVE THE PLUMBER FLEXIBILITY TO LOCATE PLUMBING CLEANOUTS IN THE MOST ACCESSIBLE AREAS. AS A MINIMUM, PROVIDE CLEANOUTS AS REQUIRED BY THE UNIFORM PLUMBING CODE. CLEANOUTS THAT MUST BE INSTALLED IN PIPES THAT ARE IN DIFFICULT TO ACCESS AREAS SHALL BE EITHER WALL OR FLOOR CLEANOUTS SERVICED FROM THE FLOOR ABOVE. FLOOR CLEANOUTS SHALL BE LOCATED SO AS TO BE SERVICED FROM CORRIDORS, TOILETS OR JANITOR ROOMS WHEREVER POSSIBLE.
- PIPE AND EQUIPMENT IDENTIFICATION: PROVIDE PIPE, EQUIPMENT, AND VALVE LABELING.
- TRAP PRIMERS AND ARRESTORS: TRAP PRIMER ACTUATORS AND WATER HAMMER ARRESTORS SHALL BE LOCATED TO BE ACCESSIBLE EITHER THROUGH ACCESSIBLE CEILING OR WALL ACCESS DOORS, REFER TO SPECIFICATION FOR WHERE ARRESTORS NEED TO BE LOCATED.
- PIPING, DUCTWORK AND EQUIPMENT ANCHORAGE: PROVIDE SEISMIC RESTRAINTS AND ANCHORAGE PER SPECIFICATIONS AND THE INTERNATIONAL BUILDING CODE.
- HANDICAP FIXTURES: PLUMBING FIXTURES AND TRIM IN HANDICAP ACCESSIBLE AREAS SHALL COMPLY WITH ADA STANDARDS AS WELL AS STATE AND LOCAL CODES.
- ELECTRICAL CLEARANCES: COORDINATE WITH ALL TRADES TO MAINTAIN ELECTRICAL SERVICE CLEARANCE (PER NATIONAL ELECTRIC CODE) FOR MECHANICAL EQUIPMENT.

ENERGY CODE NOTES

- EQUIPMENT EFFICIENCIES AND CAPACITIES: SEE EQUIPMENT SCHEDULES.
- THERMOSTATIC CONTROL AND DEADBAND: PROVIDED WITH SETPOINT, AND DEADBAND CONTROLS AS PER C403.2.4.1. THIS INCLUDES CONTROLLING NEIGHBORING OPEN ZONES TP HAVE SETPOINTS AND DEADBANDS COORDINATED SO THAT COOLING IN ADJACENT ZONES SHALL NOT OPERATE UNTIL THE ADJACENT ZONE TEMPERATURE IS 5°F HIGHER THAN PERIMETER TEMPERATURE.
- PROVIDE DDC CONTROLS IN ACCORDANCE WITH C403.2.4.12 2015 WASHINGTON STATE ENERGY CODE.
- OFF-HOUR CONTROLS: PROVIDED WITH THERMOSTATIC SETBACK, AUTOMATIC SETBACK AND SHUTDOWN, AND AUTOMATIC START AS PER C403.2.4.2 2015 WASHINGTON STATE ENERGY CODE.
- AUTOMATIC (MOTORIZED) DAMPERS AT OUTSIDE AIR INTAKES, EXHAUST OUTLETS, AND RELIEF OUTLETS. DAMPERS TO COMPLY WITH C403.2.4.3 2015 WASHINGTON STATE ENERGY CODE DAMPER LEAKAGE RATES SHALL NOT EXCEED 4 CFM / SQ.FT. AT 1.0" W.G. FOR MOTORIZED DAMPERS OR 20 CFM / SQ.FT. AT 1.0" W.G. FOR NONMOTORIZED DAMPERS, EXCEPT NONMOTORIZED DAMPERS SMALLER THAN 24" IN EITHER DIMENSION WHERE THE MAXIMUM ALLOWABLE LEAKAGE RATE IS 40 CFM / SQ.FT.
- ECONOMIZER FAULT DETECTION: IN ACCORDANCE WITH C403.2.4.7, PROVIDE ECONOMIZER FAULT DETECTION AND DIAGNOSTICS ON REQUIRED EQUIPMENT
- HEAT PUMP (UNITARY, AIR COOLED) MICROPROCESSOR CONTROLS: PROVIDED PER WASHINGTON STATE ENERGY CODE SECTION C403.2.4.1.1
- FREEZE PROTECTION CONTROL SYSTEMS: FREEZE PROTECTION SYSTEMS, SUCH AS HEAT TRACE, SHALL INCLUDE AUTOMATIC SHUT-OFF WHEN OSA IS ABOVE 40°F PER C403.2.4.6
- BALANCING DAMPERS, VALVES, AND ASSOCIATED TESTING AND ADJUSTING EQUIPMENT ARE SHOWN ON THE HVAC, PLUMBING, AND PIPING DIAGRAMS.
- AIR ECONOMIZERS: SEE EQUIPMENT SCHEDULES. INTEGRATED ECONOMIZER CONTROLS TO BE PER C403.3.1. ECONOMIZER TO NOT INCREASE BUILDING HEATING. HIGH-LIMIT SHUT-OFF TO BE PER ENERGY CODE TABLE C403.3.3.3
- DUCT SEALING: SEE 'DUCT CONSTRUCTION AND SEALING REQUIREMENTS'
- DUCT AND PIPING INSULATION: SEE 'INSULATION REQUIREMENTS' ON SHEET(S) M0.01
- PROVIDE AS-BUILT RECORD DRAWINGS AND OPERATING AND MAINTENANCE MANUALS AS SPECIFIED AND AS REQUIRED BY SECTION C103.6 OF THE 2015 WASHINGTON STATE ENERGY CODE
- PROVIDE MECHANICAL SYSTEMS COMMISSIONING (INCLUDES COMMISSIONING PLAN AND REPORTS) FOR ALL SYSTEMS PER SPECIFICATIONS AND SECTION 408 OF THE 2015 WASHINGTON STATE ENERGY CODE. BALANCING SUBCONTRACTOR SHALL BE NEBB OR ABC MEMBER. BALANCING CONTRACTOR SHALL BE CONTRACTED WITH THE OWNER. COMPLETED COMMISSIONING REPORT SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER.

INSULATION REQUIREMENTS

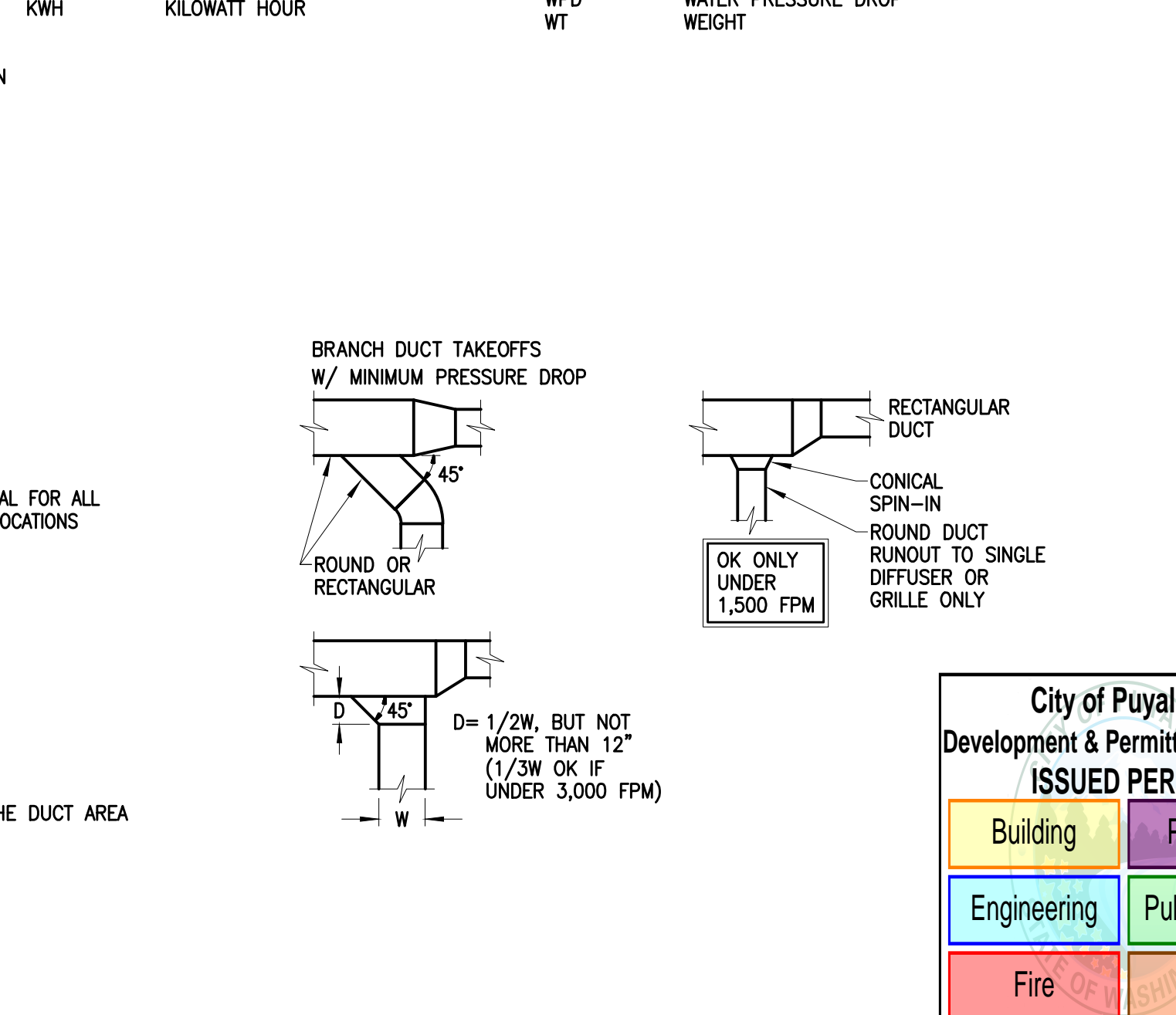
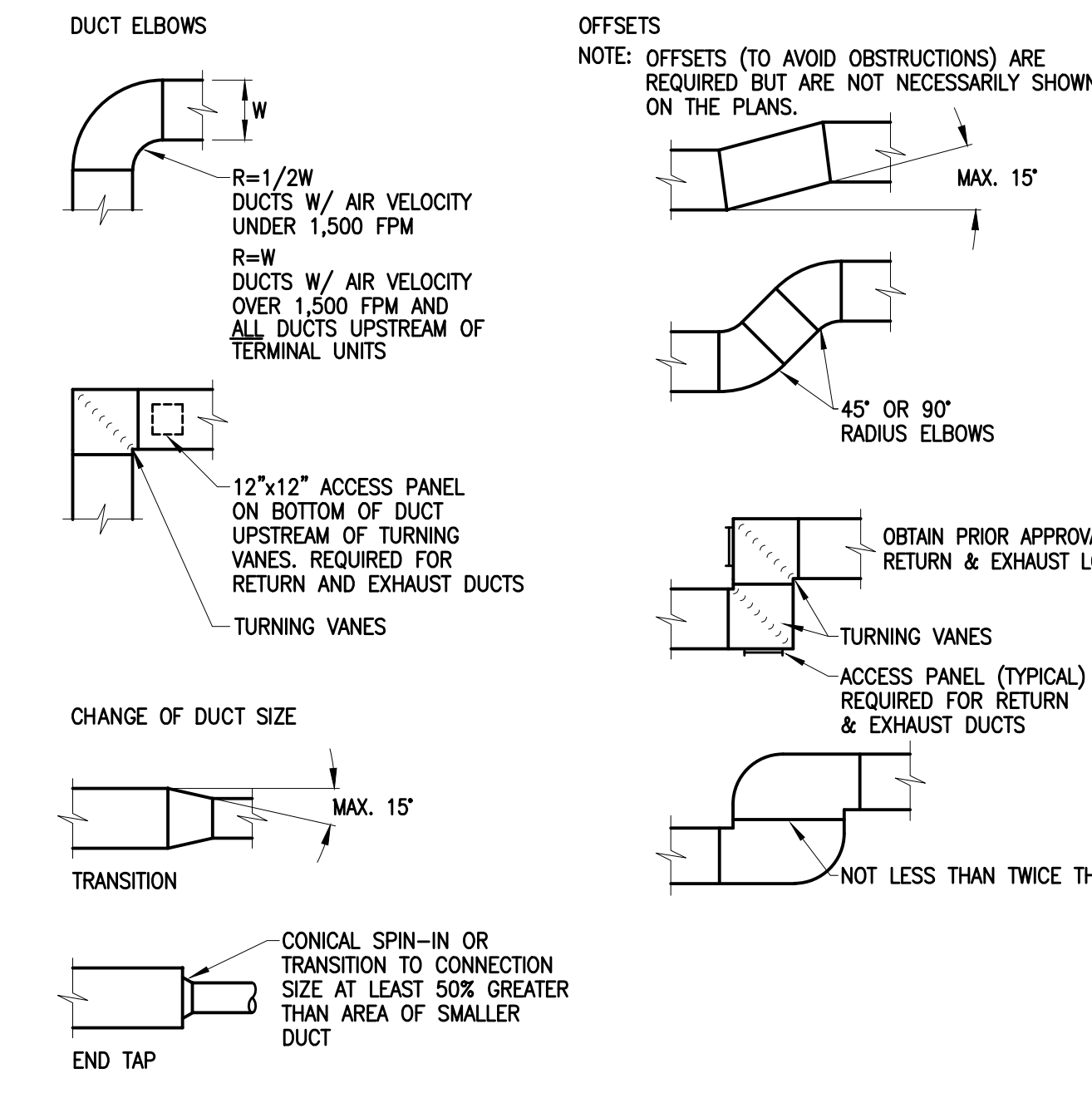
- PIPE INSULATION REQUIREMENTS:
 - DOMESTIC COLD WATER: 1/2" THICK ON 1" DIAMETER PIPE AND SMALLER. 1" THICK ON ALL PIPING LARGER THAN 1" DIAMETER.
 - DOMESTIC HOT WATER: 1" THICK ON 2" DIAMETER PIPING AND SMALLER. 1-1/2" THICK ON ALL PIPING OVER 2" DIAMETER. 1/2" INSULATION ACCEPTABLE ON RUNOUTS UP TO 8 FEET IN LENGTH ROUTED IN WALLS TO PLUMBING FIXTURES.
- DUCT INSULATION REQUIREMENTS:
 - SUPPLY DUCTS: R-3.3 INSULATION FOR ALL SUPPLY DUCTS WITHIN THE BUILDING ENVELOPE. R-8 INSULATION FOR OUTDOOR DUCTS OR DUCTS WITH OUTDOOR AIR. R-6 FOR DUCTS IN UNCONDITIONED SPACES.
 - RETURN DUCTS (ALL DUCTS TRAVELING FROM SPACE BACK TO AN AIR HANDLER): R-8 INSULATION FOR OUTDOOR DUCTS AND R-6 FOR DUCTS IN UNCONDITIONED SPACES.
 - ALL EXTERIOR DUCTS TO BE CLAD WITH ALUMINUM.
- EXPOSED PLENUMS IN MECHANICAL ROOMS:
 - SAME AS DUCTWORK, EXCEPT USE RIGID INSULATION BOARD WITH KRAFT BARRIER.

DUCT CONSTRUCTION AND SEALING REQUIREMENTS

- SUPPLY DUCTWORK FROM AIR HANDLER TO TERMINAL UNITS
 - 2" STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS SEALED (SMACNA SEAL CLASS A).
- SUPPLY DUCTWORK DOWNSTREAM OF TERMINAL UNITS:
 - 1" STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS SEALED (SMACNA SEAL CLASS A). SPIRAL LOCK SEAMS IN ROUND AND FLAT OVAL DUCTWORK DO NOT REQUIRE SEALING.
- EXHAUST AND RETURN DUCTWORK:
 - 2" STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS SEALED (SMACNA SEAL CLASS A). 1" PRESSURE CLASS ACCEPTABLE BETWEEN GRILLES AND FIRST DAMPER.

DUCT FITTING REQUIREMENTS

THE FOLLOWING DUCT FITTINGS ARE CONSIDERED ACCEPTABLE. THE CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL FOR OTHER FITTINGS PRIOR TO FABRICATION. ONLY FITTINGS WITH EQUAL OR LOWER PRESSURE DROP WILL BE CONSIDERED.



COFFMAN ENGINEERS
1101 2nd Avenue, Suite 400
Seattle, WA 98101
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OWNER:
MultiCare
BetterConnected

PROJECT NAME:
MultiCare GSMOB Suite 4400 Clinic T.I.

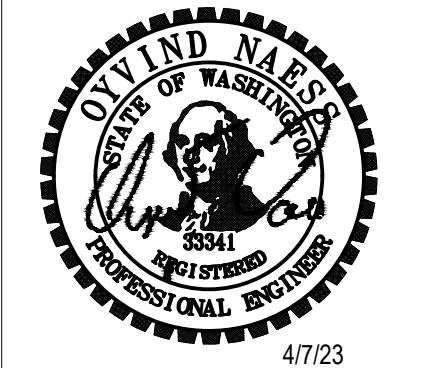
1450 5th St SE
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL #1

PROJECT NO. 31251
DRAWN BY: CEI
DATE: 10 APRIL 2023
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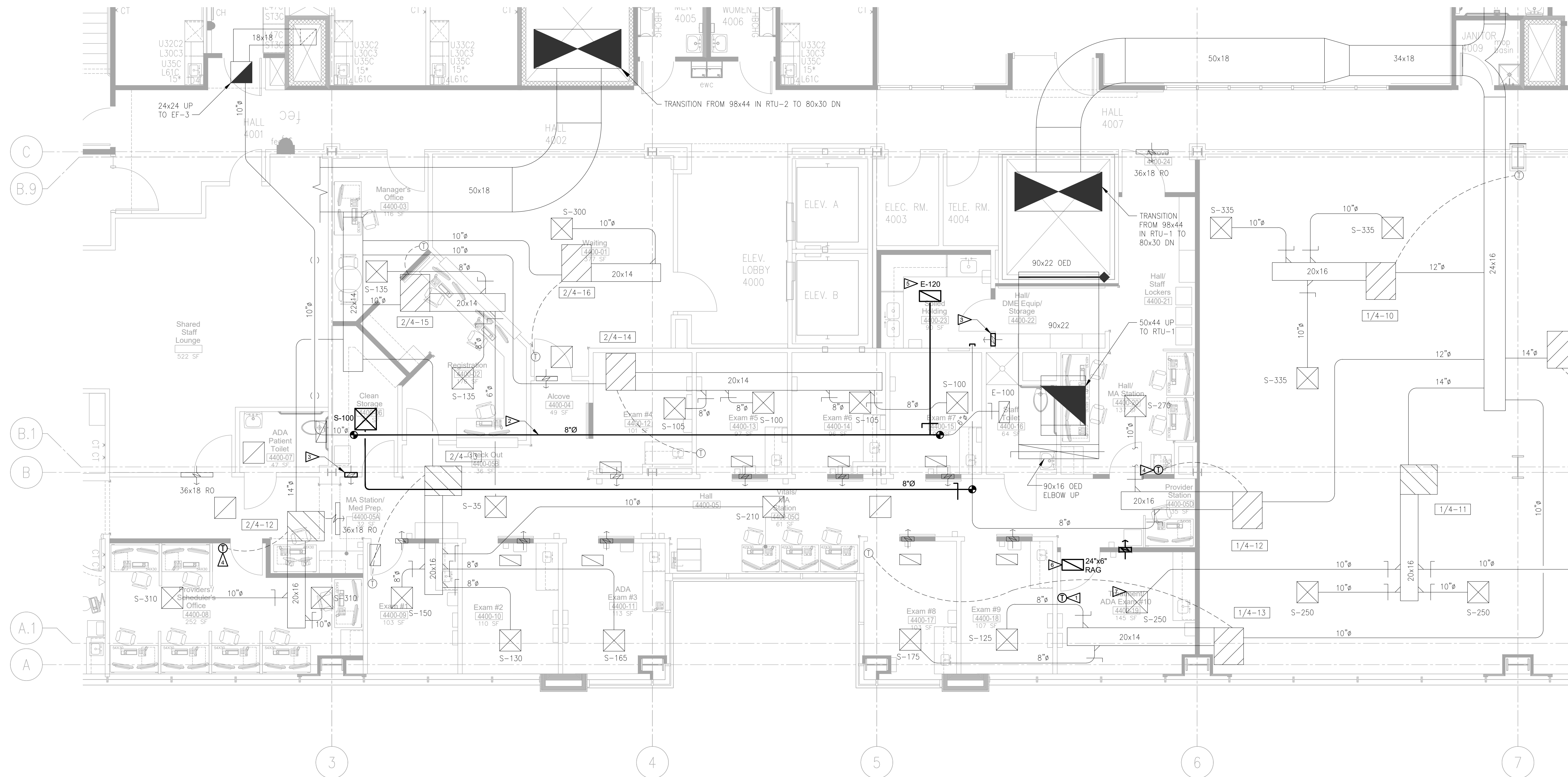
SHEET TITLE:
COVER SHEET, GENERAL NOTES, & INDEX

SHEET #:
M0.1



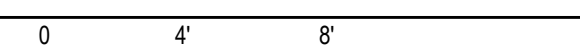
SHEET NOTES:

- 1 RELOCATE EXISTING THERMOSTAT TO LOCATION SHOWN.
- 2 UPSIZE EXISTING DUCT FROM 6" TO 8".
- 3 PROVIDE NEW TRANSFER AIR GRILLE. MATCH EXISTING TRANSFER GRILLE MAKE, MODEL, AND DIMENSIONS IN EXAM ROOMS.
- 4 RELOCATE EXISTING THERMOSTAT TO LOCATION SHOWN.
- 5 REBALANCE EF-3 TO ACCOUNT FOR ADDITIONAL AIRFLOW OF 45 CFM.
- 6 PROVIDE NEW RETURN AIR GRILLE. MATCH EXISTING RETURN AIR GRILLE MAKE AND MODEL IN EXISTING EXAM ROOMS. PROVIDE 10x10 TRANSFER OPENING IN FULL HEIGHT WALL ABOVE CEILING.
- 7 ADJUST SUPPLY DIFFUSER TO CEILING GRID.



FOURTH FLOOR MECHANICAL PLAN

SCALE: 3/16"=1'-0"



City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

OWNER:



PROJECT NAME:

**MultiCare
GSMOB
Suite 4400
Clinic T.I.**

1450 5th St SE
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL #1

PROJECT NO. 31251

DRAWN BY: CEI

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SHEET TITLE:
**FOURTH FLOOR
MECHANICAL
PLAN**

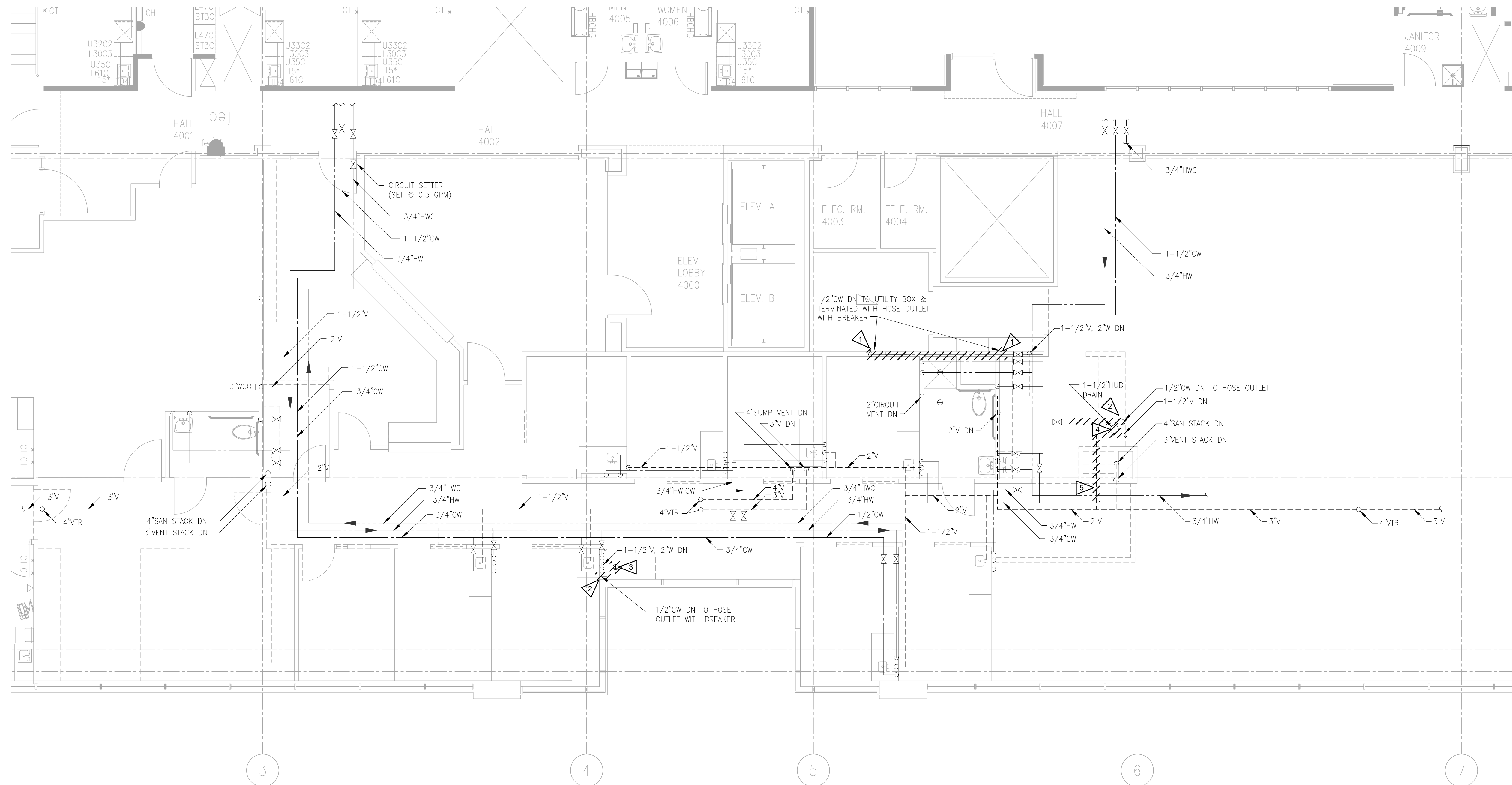
SHEET #:

M1.2

PRCTI20230601

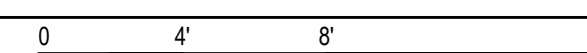
SHEET NOTES:

- 1 DEMOLISH EXISTING UTILITY BOX, HOSE OUTLET AND ASSOCIATED PIPING. CAP BRANCH PIPING AT MAIN.
- 2 DEMOLISH EXISTING HOSE OUTLET AND ASSOCIATED PIPING. CAP BRANCH PIPING AT MAIN.
- 3 DEMOLISH EXISTING DRAIN, CAP FLUSH AT FLOOR.
- 4 DEMOLISH EXISTING HUB DRAIN, CAP PIPING FLUSH AT FLOOR.
- 5 DEMOLISH EXISTING VENT PIPING. CAP BRANCH PIPING AT MAIN.



FOURTH FLOOR PLUMBING PLAN - DEMO

SCALE: 3/16"=1'-0"



City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



OWNER:

MultiCare
BetterConnected

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PROJECT NO. 31251

DRAWN BY: CEI

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SHEET TITLE:

**FOURTH FLOOR
PLUMBING PLAN
- DEMO**

SHEET #:

P1.1

SECTION 26 05 10 - EXISTING SYSTEMS:

PART 1 - GENERAL

1.1 INDICATED EXISTING SYSTEMS

- A. THE ELECTRICAL DRAWINGS SHOW PORTIONS OF THE EXISTING ELECTRICAL SYSTEMS WHICH ARE TO REMAIN, BE REMOVED OR BE MODIFIED. THE EXISTING INFORMATION IS DERIVED FROM RECORD DRAWINGS AND OTHER DATA OBTAINED FROM OR WITH THE PERMISSION OF THE OWNER, WHERE INDICATED, CONCEALED SYSTEMS ARE ALSO DERIVED FROM RECORD DRAWINGS AND THE ENGINEER'S BEST JUDGMENT OF THE CONFIGURATION.
B. THE CONTRACTOR SHALL INSPECT THE EXISTING INSTALLATION PRIOR TO BIDDING AND SHALL JUDGE THE WORK REQUIRED. INSPECTION SHALL INCLUDE AREAS WITHIN AND ADJACENT TO THE WORK OF ANY DISCIPLINE OR TRADE PERFORMING WORK FOR THE CONTRACT.
C. THE COMPLETE EXTENT OF THE EXISTING SYSTEMS COULD NOT BE VERIFIED DURING CREATION OF THE CONSTRUCTION DOCUMENTS. UNLESS THE CONTRACTOR'S INSPECTION OF THE EXISTING SYSTEM DETERMINES A GREATER AMOUNT, THE CONTRACTOR SHALL ASSUME THERE IS 20% MORE EXISTING ELECTRICAL SYSTEMS THAN WHAT IS INDICATED ON THE CONTRACT DRAWINGS.

1.1 POWER OUTAGES

- A. IT IS REQUIRED THAT THE CONTRACTOR FULLY SCHEDULE ELECTRICAL SYSTEM(S) OUTAGES WITH THE OWNER. CONTRACTOR SHALL WORK CLOSELY WITH OWNER TO ASSURE THE OWNER FULLY UNDERSTANDS THE EXTENT OF EACH OUTAGE. OWNER MAINTAINS THE RIGHT TO LIMIT THE EXTENT AND LENGTH OF ANY GIVEN OUTAGE. ASSUME ALL OUTAGES TO ELECTRICAL SYSTEM(S) IN OWNER OCCUPIED AREAS WILL REQUIRE PREMIUM TIME AND THAT TEMPORARY ELECTRICAL WORK MAY BE REQUIRED TO LIMIT THE DURATION OF OUTAGES.
B. CUTOVERS MUST MAKE ALTERNATIVE ARRANGEMENTS TO DELIVER POWER TO THE LOAD AT ALL TIMES UNLESS OTHERWISE NOTED BY THE OWNER.

PART 2 - PRODUCTS

2.1 EXISTING MATERIALS

- A. ALL MATERIALS WHICH ARE A PART OF THE BUILDING SHALL REMAIN THE PROPERTY OF THE OWNER.

2.2 EXISTING MATERIALS TO BE REINSTALLED

- A. EXISTING MATERIALS AND EQUIPMENT (EXCEPT INTERIOR, UNDAMAGED RACEWAYS) THAT ARE REMOVED AS A PART OF THE WORK OR STORED IN SURPLUS SHALL NOT BE REINSTALLED AS A PART OF THE NEW SYSTEMS UNLESS SPECIFICALLY NOTED OR AUTHORIZED IN WRITING BY THE OWNER. FORWARD A COPY OF THE AUTHORIZATION TO THE ENGINEER. THE REQUIREMENTS OF THE SPECIFICATIONS (I.E., CONDITION, INSTALLATION, TESTING, ETC.) SHALL APPLY AS IF THE MATERIALS WERE NEW, FURNISHED BY THE CONTRACTOR.

2.3 EXISTING MATERIALS NOT TO BE REINSTALLED

- A. IN COORDINATION WITH THE ARCHITECT, THESE MATERIALS SHALL BE MADE AVAILABLE FOR INSPECTION AND DECISION AS TO WHETHER THE OWNER WILL RETAIN POSSESSION. ITEMS SELECTED FOR RETENTION SHALL BE TURNED OVER TO THE OWNER. THESE ITEMS SHALL BE DELIVERED TO A LOCATION ON THE PREMISES SELECTED BY THE OWNER. TAKE REASONABLE CARE TO AVOID DAMAGE TO THIS MATERIAL. IF THE CONTRACTOR FAILS TO CONFORM TO THIS REQUIREMENT, CONTRACTOR SHALL PURCHASE AND TURN OVER TO THE OWNER REPLACEMENT MATERIAL OF LIKE KIND AND QUANTITY.
B. ALL MATERIAL NOT SELECTED FOR RETENTION BY THE OWNER AND DEBRIS SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR.

PART 3 - EXECUTION

3.1 EXISTING CONDITIONS

- A. FIELD TRACE ALL EXISTING CIRCUITRY AFFECTED BY THE PROJECT TO DETERMINE:

- 1. SOURCE OF SUPPLY OR INFORMATION COLLECTION POINT WITHIN THE PROJECT AREA
2. LOAD OR TERMINATION WITHIN THE PROJECT AREA
3. LOAD OR TERMINATION OUTSIDE THE PROJECT AREA, BUT SUPPLIED FROM OR CONNECTED TO EQUIPMENT WITHIN THE PROJECT AREA
4. LOADS SUPPLIED FROM AND LOCATED OUTSIDE OF THE PROJECT AREA BUT HAVE CIRCUITRY WITHIN THE PROJECT AREA.
5. PROVIDE UPDATED PANEL SCHEDULES FOR AFFECTED PANELBOARDS ALONG WITH EXISTING CIRCUIT INFORMATION FOR ALL DEVICES/LOADS THAT ARE MAINTAINED IN SERVICE INSIDE THE PROJECT AREA OR FOR DEVICES THAT REQUIRED TEMPORARY SERVICES OUTSIDE THE PROJECT AREA NORMALLY SUPPLIED BY THE AFFECTED PANELBOARD. UPDATED PANEL SCHEDULES AND AS-BUILT MARK-UP DRAWINGS OF EXISTING CONDITIONS SHALL BE PROVIDED TO THE OWNER AND ENGINEER.

SECTION 26 05 19 - LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

PART 1 - GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:

- 1. BUILDING WIRES AND CABLES RATED 600 V AND LESS.
2. CONNECTORS, SPLICES, AND TERMINATIONS RATED 600 V AND LESS.

PART 2 - PRODUCTS

2.1 CONDUCTORS AND CABLES

- A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:

- 1. ALCAN PRODUCTS CORPORATION; ALCAN CABLE DIVISION.
2. ALPHA WIRE.
3. BELDEN INC.
4. ENCORE WIRE CORPORATION.
5. GENERAL CABLE TECHNOLOGIES CORPORATION.
6. SOUTHWIRE INCORPORATED.

- B. COPPER CONDUCTORS: COMPLY WITH NEMA WC 70/ICEA S-95-658.

- C. CONDUCTOR INSULATION: COMPLY WITH NEMA WC 70/ICEA S-95-658 FOR TYPE THHN-2-THWN-2 AND TYPE XHHW-2.

2.2 CONNECTORS AND SPLICES

- A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:

- 1. AFC CABLE SYSTEMS, INC.
2. GARDNER BENDER.
3. HUBBELL POWER SYSTEMS, INC.
4. IDEAL INDUSTRIES, INC.
5. ILSCO; A BRANCH OF BARDES CORPORATION.
6. NSI INDUSTRIES LLC.
7. O-Z/GEDNEY; A BRAND OF THE EGS ELECTRICAL GROUP.
8. JM; ELECTRICAL MARKETS DIVISION.
9. TYCO ELECTRONICS.
10. OR APPROVED EQUIVALENT PRIOR TO BIDDING.

B. DESCRIPTION:

FACTORY-FABRICATED CONNECTORS AND SPLICES OF SIZE, AMPACITY RATING, MATERIAL, TYPE, AND CLASS FOR APPLICATION AND SERVICE INDICATED.

PART 3 - EXECUTION

3.1 CONDUCTOR MATERIAL APPLICATIONS

- A. BRANCH CIRCUITS: COPPER. SOLID OR STRANDED FOR NO. 10 AWG AND SMALLER; STRANDED FOR NO. 8 AWG AND LARGER.

3.2 CONDUCTOR INSULATION AND MULTICONDUCTOR CABLE APPLICATIONS AND WIRING METHODS

- A. EXPOSED BRANCH CIRCUITS, INCLUDING IN CRAWLSPACES: TYPE THHN-2-THWN-2, SINGLE CONDUCTORS IN RACEWAY.

- B. BRANCH CIRCUITS CONCEALED IN CEILINGS, WALLS, AND PARTITIONS: TYPE THHN-2-THWN-2, SINGLE CONDUCTORS IN RACEWAY. BRANCH CIRCUIT HOMERUNS SHALL BE SINGLE CONDUCTORS IN RACEWAY, TYPE MC CABLE NOT PERMITTED FOR BRANCH CIRCUIT.

SECTION 26 27 26 - WIRING DEVICES

PART 1 - GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:

- 1. RECEPTACLES, RECEPTACLES WITH INTEGRAL GFCI, AND ASSOCIATED DEVICE PLATES.
2. WALL-BOX MOTION SENSORS.
3. TAMPER-RESISTANT RECEPTACLES.
4. WEATHER RESISTANT RECEPTACLES.
5. SNAP SWITCHES AND WALL-BOX DIMMERS.

1.2 ADMINISTRATIVE REQUIREMENTS

- A. RECEPTACLES FOR OWNER-FURNISHED EQUIPMENT: MATCH PLUG CONFIGURATIONS.
B. SOURCE LIMITATIONS: OBTAIN EACH TYPE OF WIRING DEVICE AND ASSOCIATED WALL PLATE FROM SINGLE SOURCE FROM SINGLE MANUFACTURER.

1.3 ACTION SUBMITTALS

- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. MANUFACTURERS' NAMES: SHORTENED VERSIONS (SHOWN IN PARENTHESES) OF THE FOLLOWING MANUFACTURERS' NAMES ARE USED IN OTHER PART 2 ARTICLES:
1. COOPER WIRING DEVICES; DIVISION OF COOPER INDUSTRIES, INC. (COOPER).
2. HUBBELL INCORPORATED; WIRING DEVICE-KELLEMS (HUBBELL).
3. LEVITON MFG. COMPANY INC. (LEVITON).
4. PASS & SEYMOUR/LEGRAND (PASS & SEYMOUR).

2.2 GENERAL WIRING-DEVICE REQUIREMENTS

- A. WIRING DEVICES, COMPONENTS, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
B. MODULAR PLUG IN CONNECTOR TYPE

C. BACK AND SIDE WIRED TYPE

- 1. HOSPITAL GRADE (20 AMP): DUPLEX NEMA 5-20R CONFIGURATION (20 AMP, 120 VOLT), NYLON FACE WITH PLUG IN CONNECTOR TO ALLOW RECEPTACLE TO BE REPLACED WITH THE CIRCUIT ENERGIZED. COOPER 8300_M, HUBBELL SNAP8300I, LEVITON M8300-I, PASS & SEYMOUR PT8300-I.

D. TAMPER-RESISTANT CONVENIENCE RECEPTACLES, 125 V, 20 A:

- COMPLY WITH NEMA WD 1, NEMA WD 6 CONFIGURATION 5-20R, UL 498 SUPPLEMENT SD, AND FS W-C-596. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
1. COOPER; TR8300.
2. HUBBELL; HBL8300SGA.
3. LEVITON; 8300-SGG.
4. PASS & SEYMOUR; TR63H.

E. GFCI RECEPTACLES

A. GENERAL DESCRIPTION:

- 1. STRAIGHT BLADE, FEED-THROUGH TYPE.
2. COMPLY WITH NEMA WD 1, NEMA WD 6, UL 498, UL 943 CLASS A, AND FS W-C-596.
3. INCLUDE INDICATOR LIGHT THAT SHOWS WHEN THE GFCI HAS MALFUNCTIONED AND NO LONGER PROVIDES PROPER GFCI PROTECTION.
B. DUPLEX GFCI CONVENIENCE RECEPTACLES, 125 V, 20 A:
1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
a. CATALOG NUMBERS IN LIST BELOW ARE FOR FEED-THROUGH TYPES, ARRANGED TO PROTECT RECEPTACLES DOWNSTREAM ON THE SAME CIRCUIT; REVISE CATALOG NUMBERS IF NON-FEED-THROUGH TYPES ARE REQUIRED.
b. COOPER; VGF20.
c. HUBBELL; GFR5352L.
d. PASS & SEYMOUR; 2095.
e. LEVITON; 7590.

2.3 TOGGLE SWITCHES

- A. COMPLY WITH NEMA WD 1, UL 20, AND FS W-S-896.

B. SWITCHES, 120/277 V, 20 A:

- 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
a. SINGLE POLE:
1) COOPER; AH1221.
2) HUBBELL; HBL1221.
3) LEVITON; 1221-2.
4) PASS & SEYMOUR; CSB20AC1.
2.4 WALL-BOX DIMMERS
A. DIMMER SWITCHES: MODULAR, FULL-WAVE, SOLID-STATE UNITS WITH INTEGRAL, QUIET ON-OFF SWITCHES, WITH AUDIBLE FREQUENCY AND EMI/RFI SUPPRESSION FILTERS.
B. CONTROL: CONTINUOUSLY ADJUSTABLE SLIDER; WITH SINGLE-POLE OR THREE-WAY SWITCHING. COMPLY WITH UL 1472.

2.5 OCCUPANCY SENSORS

- A. EACH MANUFACTURER'S SWITCH RATING IS DIFFERENT, BUT RATED DESIGN VALUES ARE GENERALLY NOT LESS THAN 800-VA FLUORESCENT AT 120 V, 1200-VA FLUORESCENT AT 277 V, AND 800-W INCANDESCENT.
B. WALL-SWITCH SENSORS:
1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
1.1. COOPER; 6111 FOR 120 V, 6117 FOR 277 V.
1.2. HUBBELL; WS1277.
1.3. LEVITON; ODS 10-ID.
1.4. PASS & SEYMOUR; WS3000.
1.5. WATT STOPPER (THE); WS-200.
2. DESCRIPTION: PASSIVE-INFRARED TYPE, 120/277 V, ADJUSTABLE TIME DELAY UP TO 30 MINUTES, 180-DEGREE FIELD OF VIEW, WITH A MINIMUM COVERAGE AREA OF 900 SQ. FT. (84 SQ. M).

C. WALL-SWITCH SENSORS:

- 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
1.1. HUBBELL; AT120 FOR 120 V, AT277 FOR 277 V.
1.2. LEVITON; ODS 15-ID.
2. DESCRIPTION: ADAPTIVE-TECHNOLOGY TYPE, 120/277 V, ADJUSTABLE TIME DELAY UP TO 20 MINUTES, 180-DEGREE FIELD OF VIEW, WITH A MINIMUM COVERAGE AREA OF 900 SQ. FT. (84 SQ. M).

D. LONG-RANGE WALL-SWITCH SENSORS:

- 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
1.1. HUBBELL; ATD1600WRP.
1.2. LEVITON; ODW12-MRW.

- 1.3. WATT STOPPER (THE); DT-200.
2. DESCRIPTION: DUAL TECHNOLOGY, WITH BOTH PASSIVE-INFRARED- AND ULTRASONIC-TYPE SENSING, 120/277 V, ADJUSTABLE TIME DELAY UP TO 30 MINUTES, 110-DEGREE FIELD OF VIEW, AND A MINIMUM COVERAGE AREA OF 1200 SQ. FT. (111 SQ. M).

E. WIDE-RANGE WALL-SWITCH SENSORS:

- 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
1.1. HUBBELL; ATP120HBRP.
1.2. LEVITON; ODWHB-IRW.
1.3. PASS & SEYMOUR; HS1001.
1.4. WATT STOPPER (THE); CX-100-3.
2. DESCRIPTION: PASSIVE-INFRARED TYPE, 120/277 V, ADJUSTABLE TIME DELAY UP TO 30 MINUTES, 150-DEGREE FIELD OF VIEW, WITH A MINIMUM COVERAGE AREA OF 1200 SQ. FT. (111 SQ. M).

2.6 WALL PLATES

- A. SINGLE AND COMBINATION TYPES SHALL MATCH CORRESPONDING WIRING DEVICES.
1. PLATE-SECURING SCREWS: METAL WITH HEAD COLOR TO MATCH PLATE FINISH.
2. MATERIAL FOR UNFINISHED SPACES: GALVANIZED STEEL OR SMOOTH, HIGH-IMPACT THERMOPLASTIC.
B. WET-LOCATION, WEATHERPROOF COVER PLATES: NEMA 250, COMPLYING WITH TYPE 3R, WEATHER-RESISTANT THERMOPLASTIC WITH LOCKABLE COVER.

2.7 FINISHES

- A. DEVICE COLOR: WIRING DEVICES CONNECTED TO NORMAL POWER SYSTEM: IVORY UNLESS OTHERWISE INDICATED OR REQUIRED BY NFPA 70 OR DEVICE LISTING.
B. WALL PLATE COLOR: FOR PLASTIC COVERS: IVORY.
PART 3 - EXECUTION
3.1 INSTALLATION

A. COMPLY WITH NECA 1, INCLUDING MOUNTING HEIGHTS LISTED IN THAT STANDARD, UNLESS OTHERWISE INDICATED.

B. COORDINATION WITH OTHER TRADES:

- 1. PROTECT INSTALLED DEVICES AND THEIR BOXES. DO NOT PLACE WALL FINISH MATERIALS OVER DEVICE BOXES AND DO NOT CUT HOLES FOR BOXES WITH ROUTERS THAT ARE GUIDED BY RIDING AGAINST OUTSIDE OF BOXES.
2. KEEP OUTLET BOXES FREE OF PLASTER, DRYWALL JOINT COMPOUND, MORTAR, CEMENT, CONCRETE, DUST, PAINT, AND OTHER MATERIAL THAT MAY CONTAMINATE THE RACEWAY SYSTEM, CONDUCTORS, AND CABLES.
3. INSTALL DEVICE BOXES IN BRICK OR BLOCK WALLS SO THAT THE COVER PLATE DOES NOT CROSS A JOINT UNLESS THE JOINT IS TROWELED FLUSH WITH THE FACE OF THE WALL.
4. INSTALL WIRING DEVICES AFTER ALL WALL PREPARATION, INCLUDING PAINTING, IS COMPLETE.

C. CONDUCTORS:

- 1. DO NOT STRIP INSULATION FROM CONDUCTORS UNTIL RIGHT BEFORE THEY ARE SPLICED OR TERMINATED ON DEVICES.
2. STRIP INSULATION EVENLY AROUND THE CONDUCTOR USING TOOLS DESIGNED FOR THE PURPOSE. AVOID SCORING OR NICKING OF SOLID WIRE OR CUTTING STRANDS FROM STRANDED WIRE.
3. THE LENGTH OF FREE CONDUCTORS AT OUTLETS FOR DEVICES SHALL MEET PROVISIONS OF NFPA 70, ARTICLE 300, WITHOUT PIGTAILS.

D. DEVICE INSTALLATION:

- 1. REPLACE DEVICES THAT HAVE BEEN IN TEMPORARY USE DURING CONSTRUCTION AND THAT WERE INSTALLED BEFORE BUILDING FINISHING OPERATIONS WERE COMPLETE.
2. KEEP EACH WIRING DEVICE IN ITS PACKAGE OR OTHERWISE PROTECTED UNTIL IT IS TIME TO CONNECT CONDUCTORS.
3. DO NOT REMOVE SURFACE PROTECTION, SUCH AS PLASTIC FILM AND SMUDGE COVERS, UNTIL THE LAST POSSIBLE MOMENT.
4. CONNECT DEVICES TO BRANCH CIRCUITS USING PIGTAILS THAT ARE NOT LESS THAN 6 INCHES (152 MM) IN LENGTH.
5. WHEN THERE IS A CHOICE, USE SIDE WIRING WITH BINDING-HEAD SCREW TERMINALS. WRAP SOLID CONDUCTOR TIGHTLY CLOCKWISE, TWO-THIRDS TO THREE-FOURTHS OF THE WAY AROUND TERMINAL SCREW.
6. USE A TORQUE SCREWDRIVER WHEN A TORQUE IS RECOMMENDED OR REQUIRED BY MANUFACTURER.
7. WHEN CONDUCTORS LARGER THAN NO. 12 AWG ARE INSTALLED ON 15- OR 20-A CIRCUITS, SPLICE NO. 12 AWG PIGTAILS FOR DEVICE CONNECTIONS.
8. TIGHTEN UNUSED TERMINAL SCREWS ON THE DEVICE.
9. WHEN MOUNTING INTO METAL BOXES, REMOVE THE FIBER OR PLASTIC WASHERS USED TO HOLD DEVICE-MOUNTING SCREWS IN YOKES, ALLOWING METAL-TO-METAL CONTACT.

E. RECEPTACLE ORIENTATION:

- 1. INSTALL GROUND PIN OF VERTICALLY MOUNTED RECEPTACLES UP, AND ON HORIZONTALLY MOUNTED RECEPTACLES TO THE LEFT.
2. INSTALL HOSPITAL-GRADE RECEPTACLES IN PATIENT-CARE AREAS WITH THE GROUND PIN OR NEUTRAL BLADE AT THE TOP.
3. DEVICE PLATES: DO NOT USE OVERSIZED OR EXTRA-DEEP PLATES. REPAIR WALL FINISHES AND REMOUNT OUTLET BOXES WHEN STANDARD DEVICE PLATES DO NOT FIT FLUSH OR DO NOT COVER ROUGH WALL OPENING.

F. DIMMERS:

- 1. INSTALL DIMMERS WITHIN TERMS OF THEIR LISTING.
2. VERIFY THAT DIMMERS USED FOR FAN SPEED CONTROL ARE LISTED FOR THAT APPLICATION.
3. INSTALL UNSHARED NEUTRAL CONDUCTORS ON LINE AND LOAD SIDE OF DIMMERS ACCORDING TO MANUFACTURERS' DEVICE LISTING CONDITIONS IN THE WRITTEN INSTRUCTIONS.

- G. ARRANGEMENT OF DEVICES: UNLESS OTHERWISE INDICATED, MOUNT FLUSH, WITH LONG DIMENSION VERTICAL AND WITH GROUNDING TERMINAL OF RECEPTACLES ON TOP. GROUP ADJACENT SWITCHES UNDER SINGLE, MULTIGANG WALL PLATES.

3.2 RECEPTACLES

- A. HOSPITAL GRADE: PROVIDE TAMPER RESISTANT HOSPITAL GRADE RECEPTACLES IN ALL PATIENT CARE AREAS, PATIENT CORRIDORS, PATIENT PREPARATION ROOMS, EXAM ROOMS AND WAITING ROOMS OR AREAS. PROVIDE HOSPITAL GRADE RECEPTACLES IN ALL OTHER AREAS. PROVIDE 20 AMP RECEPTACLES IN ALL LOCATIONS.
B. PROVIDE EXTERIOR GFCI RECEPTACLE WITHIN 25'-0" OF EACH ROOF MOUNTED MECHANICAL EQUIPMENT, FOR ALL OUTDOOR RECEPTACLES, AND OTHER LOCATIONS SHOWN ON THE DRAWINGS.

3.3 GFCI RECEPTACLES

- A. INSTALL NON-FEED-THROUGH-TYPE GFCI RECEPTACLES WHERE PROTECTION OF DOWNSTREAM RECEPTACLES IS NOT REQUIRED.
B. INSTALL GFCI RECEPTACLES WITHIN 6-FEET OF ANY WATER SOURCE OR BASIN (AS MEASURED FROM THE CLOSEST EDGE OF BASIN) AS REQUIRED BY THE NEC AND WAC.

3.4 IDENTIFICATION

- A. IDENTIFY EACH RECEPTACLE WITH PANELBOARD IDENTIFICATION AND CIRCUIT NUMBER. USE HOT, STAMPED, OR ENGRAVED MACHINE PRINTING WITH BLACK (NORMAL POWER) AND RED (EMERGENCY POWER) FILLED LETTERING ON FACE OF PLATE, AND DURABLE WIRE MARKERS OR TAGS INSIDE OUTLET BOXES.

3.5 FIELD QUALITY CONTROL

- A. PERFORM THE FOLLOWING TESTS AND INSPECTIONS: IN HEALTHCARE FACILITIES, PREPARE REPORTS THAT COMPLY WITH RECOMMENDATIONS IN NFPA 99.

- 1. TEST INSTRUMENTS: USE INSTRUMENTS THAT COMPLY WITH UL 1436.
2. TEST INSTRUMENT FOR CONVENIENCE RECEPTACLES: DIGITAL WIRING ANALYZER WITH DIGITAL READOUT OR ILLUMINATED DIGITAL-DISPLAY INDICATORS OF MEASUREMENT.
3. TESTS FOR CONVENIENCE RECEPTACLES:
3.1. LINE VOLTAGE: ACCEPTABLE RANGE IS 105 TO 132 V.
3.2. PERCENT VOLTAGE DROP UNDER 15-A LOAD: A VALUE OF 6 PERCENT OR HIGHER IS UNACCEPTABLE. GROUND IMPEDANCE: VALUES OF UP TO 2 OHMS ARE ACCEPTABLE.

- 3.3. GFCI TRIP: TEST FOR TRIPPING VALUES SPECIFIED IN UL 1436 AND UL 943.
3.4. GROUND-FAULT RECEPTACLE CIRCUIT INTERRUPTER TESTS: TEST EACH RECEPTACLE OR BRANCH CIRCUIT BREAKER HAVING GROUND-FAULT CIRCUIT PROTECTION TO ASSURE THAT THE GROUND-FAULT CIRCUIT INTERRUPTER WILL NOT OPERATE WHEN SUBJECTED TO A GROUND-FAULT CURRENT OF LESS THAN 4 MILLIAMPERES AND WILL OPERATE WHEN SUBJECTED TO A GROUND-FAULT CURRENT EXCEEDING 6 MILLIAMPERES. PERFORM TESTING USING AN INSTRUMENT SPECIFICALLY DESIGNED AND MANUFACTURED FOR TESTING GROUND-FAULT CIRCUIT INTERRUPTERS. APPLY THE TEST TO THE RECEPTACLE. "TEST" BUTTON OPERATION WILL NOT BE ACCEPTABLE AS A SUBSTITUTE FOR THIS TEST. REPLACE RECEPTACLES THAT DO NOT SHUTOFF POWER WITH 7/1000 OF AN AMPERE WITHIN 1/40TH OF A SECOND AND RETEST. USING THE TEST PLUG, VERIFY THAT THE DEVICE AND ITS OUTLET BOX ARE SECURELY MOUNTED. TESTS SHALL BE DIAGNOSTIC, INDICATING DAMAGED CONDUCTORS, HIGH RESISTANCE AT THE CIRCUIT BREAKER, POOR CONNECTIONS, INADEQUATE FAULT CURRENT PATH, DEFECTIVE DEVICES, OR SIMILAR PROBLEMS. CORRECT CIRCUIT CONDITIONS, REMOVE MALFUNCTIONING UNITS AND REPLACE WITH NEW ONES, AND RETEST AS SPECIFIED ABOVE.

SECTION 26 51 00 - INTERIOR LIGHTING

PART 1 - GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:

- 1. INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS.
2. EXIT SIGNS.

1.2 ACTION SUBMITTALS

- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT

PART 2 - PRODUCTS

2.1 LIGHT FIXTURES

- A. MANUFACTURERS: PROVIDE LIGHT FIXTURES PER LIGHTING FIXTURE SCHEDULE AS INDICATED ON SHEET E7.1. ALTERNATE LIGHT FIXTURE SUBMITTALS SHALL BE APPROVED BY THE ENGINEER OF RECORD.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. PROVIDE MOUNTING ACCESSORIES AND TRIMS AS REQUIRED FOR WALL AND CEILING CONSTRUCTION TYPES SHOWN IN FINISH SCHEDULE AND ON DRAWINGS.

- B. LIGHTING FIXTURES: SET LEVEL, PLUMB, AND SQUARE WITH CEILINGS AND WALLS UNLESS OTHERWISE INDICATED.

- C. VERIFY WEIGHT AND MOUNTING METHOD OF FIXTURES AND PROVIDE SUITABLE SUPPORTS. FIXTURE MOUNTING ASSEMBLIES SHALL COMPLY WITH LOCAL SEISMIC CODES AND REGULATIONS.

- D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION OF LIGHTING FIXTURE LOCATIONS WITH MECHANICAL AND FIRE SAFETY EQUIPMENT. WHERE CONFLICTS OCCUR, COORDINATE WITH ARCHITECT PRIOR TO INSTALLING ANY OF THE SYSTEMS.

- E. INSTALL FIXTURES WITH VENT HOLES FREE OF AIR BLOCKING OBSTACLES.

- F. LIGHTING FIXTURES LOCATED IN RECESSED CEILINGS WITH A FIRE RESISTIVE RATING OF 1-HOUR OR MORE SHALL BE ENCLOSED IN AN APPROVED FIRE-RESISTIVE RATED BOX EQUAL TO THAT OF THE CEILING.

- G. ADJUST APERTURE RINGS ON ALL RECESSED FIXTURES TO BE FLUSH WITH THE FINISHED CEILING.

- H. ADJUST VARIABLE POSITION LAMP HOLDERS FOR PROPER LAMP POSITION PRIOR TO FIXTURE INSTALLATION.

- I. BLEMISHED, DAMAGED OR UNSATISFACTORY FIXTURES OR ACCESSORIES SHALL BE REPLACED.

- J. VERIFY MOUNTING PROVISIONS AND OTHER REQUIREMENTS PRIOR TO ORDER OF LIGHT FIXTURES AND PROVIDE AS REQUIRED.

- K. IN ACCESSIBLE SUSPENDED CEILINGS, PROVIDE 72" FLEXIBLE CONDUIT WIRING CONNECTION (FLEXIBLE TUBING NOT PERMITTED) FROM A RIGIDLY SUPPORTED JUNCTION BOX.

- L. ALL FINISHES SHALL BE UNMARRIED UPON PROJECT COMPLETION. REPAIR OR REPLACE DAMAGED FINISHES.

- M. REPLACE ALL BURNED OUT OR INOPERATIVE LAMPS AT THE END OF THE CONSTRUCTION PRIOR TO OWNER OCCUPANCY.

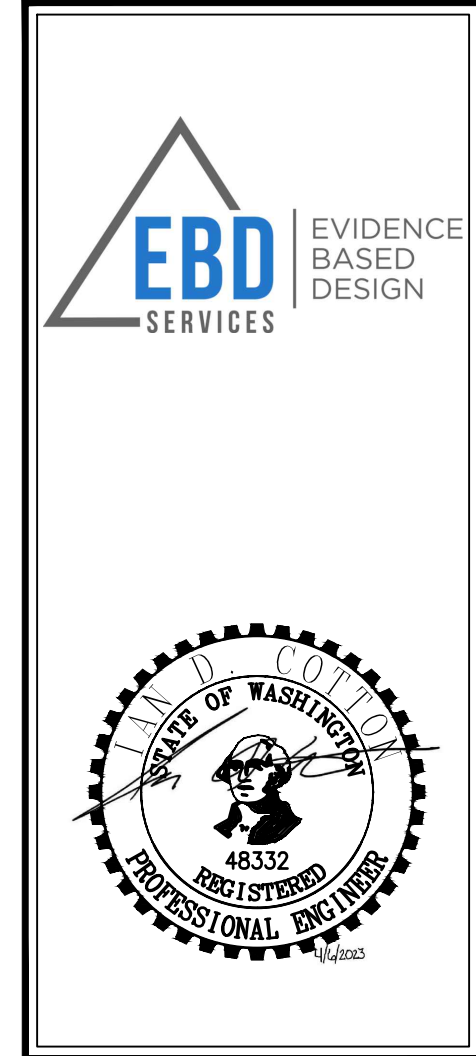
- N. DIFFUSERS AND ENCLOSURES: REMOVE PROTECTIVE PLASTIC COVERS FROM LIGHTING FIXTURE DIFFUSERS ONLY AFTER CONSTRUCTION WORK, PAINTING AND CLEAN-UP ARE COMPLETED. REMOVE ALL DIRTY LAMPS, REFLECTORS AND DIFFUSERS; CLEAN AND REINSTALL. WHEN CLEANING "ALZAK" REFLECTORS, USE A MANUFACTURER RECOMMENDED CLEANING SOLUTION. REFLECTORS DAMAGED OR IMPREGNATED WITH FINGERPRINTS SHALL BE REPLACED AT NO COST TO OWNER.

- O. FOR LED FIXTURES, WHETHER SURFACE MOUNTED OR RECESSED, REMOVE ALL CONSTRUCTION DIRT AND DUST FROM HEAT SINK FINIS TO ENSURE PROPER DISSIPATION OF HEAT.

- P. STARTUP SERVICE: BURN-IN ALL LAMPS THAT REQUIRE SPECIFIC AGING PERIOD TO OPERATE PROPERLY, PRIOR TO OCCUPANCY BY OWNER. BURN-IN FLUORESCENT AND COMPACT FLUORESCENT LAMPS INTENDED TO BE DIMMED, FOR AT LEAST 12 HOURS AT FULL VOLTAGE PER NEMA RECOMMENDATIONS OR AS REQUIRED BY FIXTURE MANUFACTURER.

3.2 CEILING LIGHT FIXTURE SUPPORT

- A. WHERE CEILING IS OF INSUFFICIENT STRENGTH TO SUPPORT WEIGHT OF LIGHTING FIXTURES INSTALLED, PROVIDE ADDITIONAL FRAMING TO SUPPORT AS REQUIRED.



OWNER:

MultiCare BetterConnected

PROJECT NAME: MultiCare GSMOB Suite 4400 Clinic T.I.

1450 5th St SE Puyallup, WA 98372

Table with 3 columns: MARK, DATE, DESCRIPTION. Row 1: 4/7/2023, CONSTRUCTION DOCUMENTS.

PROJECT NO. 31251

DRAWN BY: KMD

DATE: 7 APRIL 2023

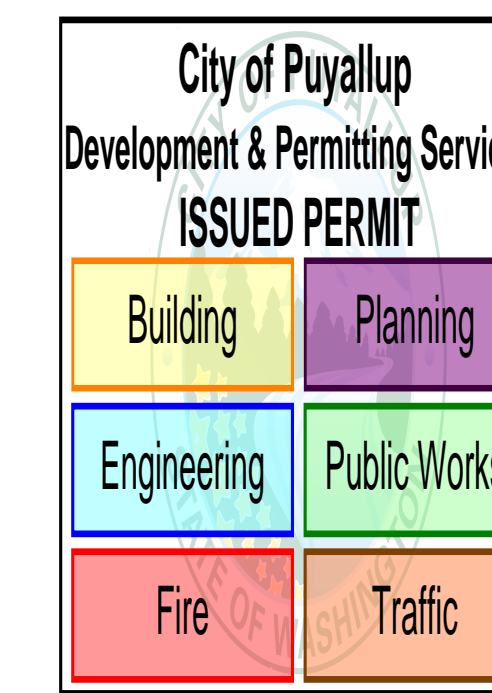
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SHEET TITLE:

ELECTRICAL SPECIFICATIONS

SHEET #:

E0.1



PRCT120230601

GENERAL NOTES:

1. REFER TO E6.1 FOR ONE-LINE DIAGRAM.
2. REFER TO E7.1 FOR PANEL SCHEDULE.

FLAG NOTES:

1. PROVIDE UPDATED PANEL SCHEDULE FOR REVISED CIRCUITING. REFER TO E7.1

