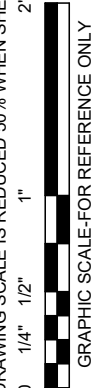


GRAPHIC SCALE-FOR REFERENCE ONLY

0 1/4" 1/2" 1" 2"



PLUMBING DESIGN CRITERIA (OREGON)	
DOMESTIC WATER PIPING SYSTEM:	
BASIS OF DESIGN: 2023 OREGON PLUMBING SPECIALTY CODE, APPENDIX A 'RECOMMENDED RULES FOR SIZING THE WATER SUPPLY SYSTEM'; PIPING SIZED ON 3 PSI/100 FT. DROP, VELOCITIES NOT TO EXCEED 8 FT./SEC. (COLD WATER) AND NOT TO EXCEED 5 FT./SEC. (HOT WATER).	
WASTE AND VENT PIPING SYSTEM:	
BASIS OF DESIGN: 2023 OREGON PLUMBING SPECIALTY CODE, CHAPTER 7, 'SANITARY DRAINAGE'; ALL WASTE PIPING SIZED AT 1/4"/FT. SLOPE UNLESS OTHERWISE NOTED.	

WATER HEATER SCHEDULE												
TAG NUMBER	DESCRIPTION	LOCATION	SERVICE	TYPE	STORAGE CAPACITY (GAL)	RECOVERY @ 100F RISE (GAL/HR)	ELECTRICAL					MANUFACTURER & MODEL
							NO. OF ELEMENTS	TOTAL KW	KW PER ELEMENT	FLA	VOLT/ PHASE	
EWH-C2039	ELECTRIC WATER HEATER	C2039 RESTROOM	DOMESTIC HOT WATER	TANKLESS/INSTANTANEOUS	-	-	1	1.4	1.4	12	120/1	EEMAX MINITANK EMT1
EWH-D2221	ELECTRIC WATER HEATER	D2221 JANITOR	DOMESTIC HOT WATER	TANK TYPE ELECTRIC WATER HEATER	50	74	3	18	6	21.7	480/3	AO SMITH DSE
EWH-T2TS39	ELECTRIC WATER HEATER	T2TS39 MECH/ELEC	DOMESTIC HOT WATER	TANK TYPE ELECTRIC WATER HEATER	50	74	3	18	6	21.7	480/3	AO SMITH DSE

PIPE SCHEDULE		
SERVICE		MATERIAL
DOMESTIC WATER	BELOW GRADE - 3" AND SMALLER	COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE K, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.50 BRAZED JOINTS.
	ABOVE GRADE - 3" AND SMALLER	COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE L, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.22 SOLDERED JOINTS, ANSI B16.50 BRAZED JOINTS (PIPING 2 INCHES AND LARGER).
SANITARY WASTE	BELOW GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH 28 GAUGE 304 STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
	ABOVE GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
SANITARY VENT	BELOW GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH 28 GAUGE 304 STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
	ABOVE GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
TRAP PRIMING LINES		COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE L ANNEALED, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.22 SOLDERED JOINTS.
WELL WATER		COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE L, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.22 SOLDERED JOINTS, ANSI B16.50 BRAZED JOINTS (PIPING 2 INCHES AND LARGER).

[illegible]

PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		E. WALCZYK	
TERMINAL RESTROOM REHABILITATION 2026	DRAWN BY		C. RICHARDS	
	CHECKED BY		T. LEWIS	
EQUIPMENT SCHEDULE - PLUMBING	DATE		JULY 2026	
	SHEET NO.		81	TYPE CD
	DRAWING NO.		DISC. SHT. NO.	
	PDX 2026-510		P0.03	