

[illegible]

	DOUBLE CHECK DETECTOR ASSEMBLY (DCDA)
	REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA)
	SUPERVISED BUTTERFLY VALVE
	SUPERVISED OS&Y GATE VALVE
	SUPERVISED POST INDICATOR GATE VALVE
	SUPERVISED NRS GATE VALVE
	CHECK VALVE
	ALARM CHECK VALVE
	ACTUATED CONTROL VALVE
	DRY PIPE VALVE
	DRY PIPE VALVE WITH QUICK OPENING DEVICE
	PREEACTION VALVE
	DELUGE VALVE
	PRESSURE REGULATING VALVE
	PRESSURE RELEASING VALVE
	WET RISER
	DRY RISER
	PREEACTION RISER
	NITROGEN-FILLED DRY RISER
	NITROGEN-FILLED PREEACTION RISER
	FREESTANDING FIRE DEPARTMENT CONNECTION
	WALL-MOUNT FIRE DEPARTMENT CONNECTION
	PENDENT SPRINKLER
	SIDEWALL SPRINKLER
	UPRIGHT SPRINKLER
	UPRIGHT SPRINKLER WITH GUARD
	WINDOW SPRINKLER
	DRY PENDENT SPRINKLER
	DRY HORIZONTAL SIDEWALL SPRINKLER
	OPEN SPRINKLER
	OPEN SPRINKLER WITH SPRING
	SPRAY NOZZLE
	CLEAN AGENT SPRAY NOZZLE
	STANDPIPE HOSE VALVE (PLAN)
	STANDPIPE HOSE VALVE (SECTION)
	STANDPIPE HOSE VALVE WITH CABINET (PLAN)
	STANDPIPE HOSE VALVE WITH CABINET (SECTION)
	STANDPIPE ROOF MANIFOLD
	TEST AND DRAIN VALVE
	FREESTANDING TEST HEADER
	WALL-MOUNT TEST HEADER
	AUTOMATIC AIR VENT
	FOUR-WAY BRACE
	LATERAL BRACE
	LONGITUDINAL BRACE
	PIPE HANGER
	FLOW METER

EAT	ENTERING AIR TEMPERATURE	RET	RETURN AIR
EC	EXTENDED COVERAGE	REV	REVISION
ECM	ELECTRONICALLY COMMUTATED MOTOR	RH	RELATIVE HUMIDITY
EDB	ENTERING DRY BULB	RISE	RISE (WITHIN FLOOR)
EEW	EMERGENCY EYE WASH	RM	ROOF MANIFOLD
EFF	EFFICIENCY	RN	RISER NIPPLE
EFT	ENTERING FLUID TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
ELEC	ELECTRIC, ELECTRICAL	S	SINK
ELEV	ELEVATION	SA	SUPPLY AIR
ENGR	ENGINEER	SB	SWAY BRACE
EQ	EQUAL	SCFM	STANDARD CUBIC FEET PER MINUTE
EQUIP	EQUIPMENT	SD	SHOWER DRAIN (PLUMBING)
ES	EMERGENCY SHOWER	SD	SMOKE DAMPER (MECHANICAL)
ESP	EXTERNAL STATIC PRESSURE	SE	SEWAGE EJECTOR
ET	EXPANSION TANK	SECT	SECTION
EWB	ENTERING WET BULB	SENS	SENSIBLE
EW	ELECTRIC WATER COOLER	SF	SQUARE FOOT, SQUARE FEET
EWB	ELECTRIC WATER HEATER	SH	SHOWER
EW	ENTERING WATER TEMPERATURE	SIM	SIMILAR
EXT	EXTRACTOR	SOV	SHUTOFF VALVE
EXP	EXPANSION	SP	STATIC PRESSURE
EXH	EXHAUST OR EXHAUST AIR	SPEC	SPECIFICATION
F	DEGREES FAHRENHEIT	SQ	SQUARE
FC	FORWARD CURVED	SQ IN	SQUARE INCH, SQUARE INCHES
FCO	FLOOR CLEANOUT	SS	STAINLESS STEEL (ALL)
FD	FIRE DAMPER (MECHANICAL)	SSP	STANDARD SPRAY PENDENT
FD	FLOOR DRAIN (PLUMBING)	SSU	STANDARD SPRAY UPRIGHT
FDC	FIRE DEPARTMENT CONNECTION	STL	STEEL
FFE	FINISHED FLOOR ELEVATION	STRUCT	STRUCTURE, STRUCTURAL
FIG	FIGURE	SWP	SINGLE WALL PLENUM
FL	FLOOR	SWSI	SINGLE WIDTH SINGLE INLET
FLA	FULL LOAD AMPACITY	TD	TRENCH DRAIN
FLEX	FLEXIBLE	TDH	TOTAL DISCHARGE HEAD
FP	FIRE PUMP	TDL	TOTAL DEVELOPED LENGTH
FPD	FLUID PRESSURE DROP	TEMP	TEMPERATURE
FPM	FEET PER MINUTE	TMV	THERMOSTATIC MIXING VALVE
FPS	FEET PER SECOND	TOP	TOP OF PIPE
FS	FLOOR SINK	TP	TRAP PRIMER VALVE
FSD	FIRE SMOKE DAMPER	TS	TAMPER SWITCH
FT	FEET/FOOT	TSP	TOTAL STATIC PRESSURE
FTR	FINNED TUBE RADIATOR	TYP	TYPICAL
FLT	FLUSH TANK	U	URINAL
FV	FIXTURE UNIT	UG	UNDERGROUND
FU	FLOOR VALVE	UP	UP (PENETRATES FLOOR SLAB)
(F)	FUTURE	UON	UNLESS OTHERWISE NOTED
G	GRADE	V	VOLTS
GA	GAGE/GAUGE	VB	VACUUM BREAKER
GAL	GALLON	VD	VOLUME DAMPER
GALV	GALVANIZED	VEL	VELOCITY
GLY	GLYCOL	VERT	VERTICAL
GH	GROUND HYDRANT	VFD	VARIABLE FREQUENCY DRIVE
GPH	GALLONS PER HOUR	VTR	VENT THROUGH ROOF
GPM	GALLONS PER MINUTE	W	WIDTH
GV	GATE VALVE	WB	WET BULB
H	HEIGHT	WC	WATER CLOSET
HB	HOSE BIBB	WCO	WALL CLEANOUT
HD	HUB DRAIN	WFU	WATER FIXTURE UNITS
HORIZ	HORIZONTAL	WG	WATER GAUGE
HP	HORSEPOWER	WH	WALL HYDRANT
HR	HOUR	WHA	WATER HAMMER ARRESTOR
HSW	HORIZONTAL SIDE WALL	WPD	WATER PRESSURE DROP
HT	HEAT TRACE	WTD	WATER TEMPERATURE DROP
HTG	HEATING	WTR	WATER TEMPERATURE RISE
HV	HOSE VALVE	W/	WITH
HVC	HOSE VALVE CABINET	W/O	WITHOUT
ID	INSIDE DIAMETER, INSIDE DIMENSION		

	WATERFLOW SWITCH
	HIGH TEMPERATURE SWITCH
	LEVEL SWITCH
	LOW TEMPERATURE SWITCH
	PRESSURE SWITCH
	VALVE SUPERVISORY SWITCH
	AIR SUPERVISORY SWITCH
	WATERFLOW PRESSURE ALARM SWITCH
	SOLENOID VALVE

 REMOVE EXISTING PIPE

 REMOVE EXISTING EQUIPMENT

EXISTING PIPING	NEW PIPING	FUTURE PIPING
EXISTING EQUIPMENT	NEW EQUIPMENT	FUTURE EQUIPMENT
EXISTING EQUIPMENT CLEARANCES	NEW EQUIPMENT CLEARANCES	FUTURE EQUIPMENT CLEARANCES

ADA	AREA DRAIN	IE	INVERT ELEVATION
AD	AMERICANS WITH DISABILITIES ACT	IN	INCH, INCHES
AF	AIRFOIL	INSUL	INSULATION
AFF	ABOVE FINISHED FLOOR	IPS	IRON PIPE SIZE
AHP	APPARATUS HOUSING PLENUM	ISO	ISOMETRIC
AL	ALUMINUM	ISOL	ISOLATOR, ISOLATION
ALT	ALTERNATIVE	JP	JOCKEY PUMP
AP	ACCESS PANEL	KW	KILOWATT
APD	AIR PRSSURE DROP	KWH	KILOWATT HOUR
APPROX	APPROXIMATELY	L	LENGTH
ARCH	ARCHITECT, ARCHITECTURAL	LAT	LEAVING AIR TEMP
AS	AUTOMATIC SPRINKLER	LAV	LAVATORY
AUTO	AUTOMATIC	LB	POUND
BDD	BACKDRAFT DAMPER	LDB	LEAVING DRY BULB
BFF	BELOW FINISHED FLOOR	LDF	LINEAR FEET
BHP	BREAK HORESPOWER	LFT	LEAVING FLUID TEMPERATURE
BI	BACKWARD INCLINED	LVG	LEAVING
BLDG	BUILDING	LWB	LEAVING WET BULB
BOP	BOTTOM OF PIPE	LWT	LEAVING WATER TEMPERATURE
BOS	BOTTOM OF STRUCTURE	MAX	MAXIMUM
BSMT	BASEMENT	MBH	THOUSAND BTU PER HOUR
BTU	BRITISH THERMAL UNIT	MCA	MINIMUM CIRCUIT AMPACITY
BTUH	BRITISH THERMAL UNITS PER HOUR	MECH	MECHANICAL
BTV	BUTTERFLY VALVE	MERV	MINIMUM EFFICIENCY REPORTING VALUE
BV	BALANCING VALVE	MFR	MANUFACTURER
CALC	CALCULATION	MIN	MINIMUM
CB	CATCH BASIN	MISC	MISCELLANEOUS
CFH	CUBIC FEET PER HOUR	MOCP	MAXIMUM OVERCURRENT PROTECTION
CFM	CUBIC FEET PER MINUTE	MS	MOP SINK
CFS	CUBIC FEET PER SECOND	MTD	MOUNTED
CI	CAST IRON	NC	NORMALLY CLOSED
CL	CENTERLINE	NIC	NOT IN CONTRACT
CLG	CEILING OR COOLING	NO	NORMALLY OPEN
CO	CLEANOUT	NPS	NOMINAL PIPE SIZE
CONC	CONCRETE	NRS	NON-RISING STEM
CONN	CONNECT, CONNECTION	NTS	NOT TO SCALE
CONT	CONTINUED, CONTINUATION	OAT	OUTSIDE AIR TEMPERATURE
CP	CIRCULATING PUMP	OD	ON CENTER DISTANCE
CTG	CLEANOUT TO GRADE	OC	OVERFLOW DRAIN
CV	CHECK VALVE	OSA&Y	OUTSIDE SCREW & YOKE GATE VALVE
DB	DRY BULB	OSA	OUTSIDE AIR
DDC	DIRECT DIGITAL CONTROL	PD	PLANTER DRAIN
DEFL	DEFLECTION	P/FT	PITCH PER FOOT
DF	DRINKING FOUNTAIN	PG	PRESSURE GAUGE
DFU	DRAINAGE FIXTURE UNIT	PH	PHASE
DI	DEIONIZED	PIV	POST INDICATING VALVE
DIA	DIAMETER	PP	POLYPROPYLENE
DIP	DUCTILE IRON PIPE	PRV	PRESSURE REDUCING VALVE
DN	DOWN (PENETRATES FLOOR)	PS	PRESSURE SWITCH
DP	DEW POINT	PSI	POUNDS PER SQUARE INCH
DR	DRAIN	PSIG	POUNDS PER SQUARE INCH (GAUGE)
DV	DRAIN VALVE	PVC	POLYVINYL CHLORIDE
DROP	DROP (WITHIN FLOOR)	PVS	PVC COATED STEEL
DWDI	DOUBLE WIDTH DOUBLE INLET	R, RAD	RADIUS
DWG	DRAWING	RA	RELIEF AIR
(E), EXIST	EXISTING	RD	ROOF DRAIN

A. THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

_____	WS	WATER SERVICE
_____	WPS	WET-PIPE SPRINKLER
_____	DPS	DRY PIPE SPRINKLER
_____	FDC	FIRE DEPARTMENT CONNECTION
_____	WSP	WET STANDPIPE

	ACCESS PANEL		NUMBERED NOTE
	POINT OF CONNECTION		REMOVE EXISTING
	EXISTING TO REMAIN		CAP EXISTING / CAP FOR FUTURE
	BELOW GRADE / FLOOR		RELOCATE EXISTING
	REVISION NUMBER		FUTURE

 UNIT NUMBER
 FLOOR UNIT IS LOCATED ON
 EQUIPMENT TYPE

EQUIPMENT

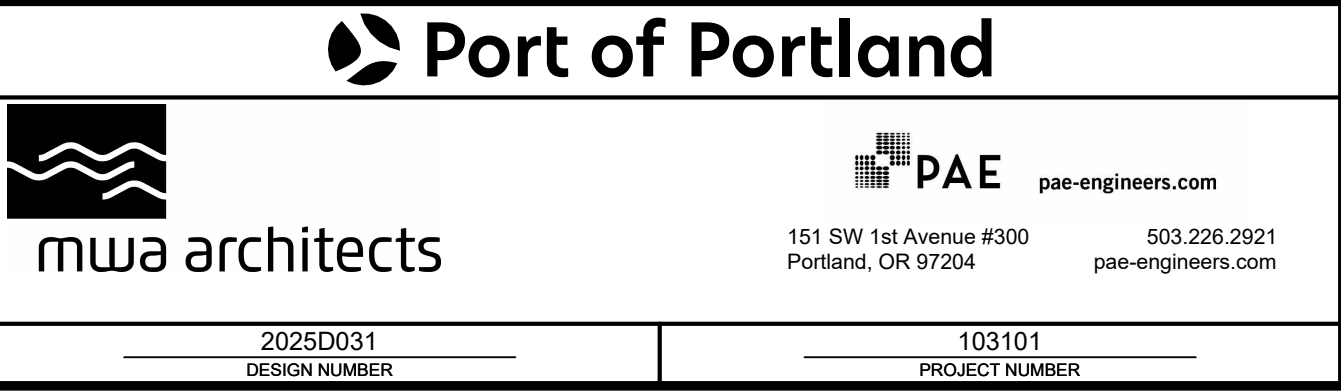
 UNIT NUMBER
 FLOOR UNIT IS LOCATED ON
 EQUIPMENT TYPE

EQUIPMENT

 DETAIL NUMBER
 SHEET NUMBER

DETAIL CALLOUT

	DIRECTION OF FLOW
	DIRECTION OF SLOPE
	PIPE SLEEVE
	REDUCER
	ANCHOR
	ELBOW (90 DEGREE)
	ELBOW (45 DEGREE)
	PIPING CONNECTIONS
	TEE
	JOINT OR COUPLING POINT
	UNION
	FLANGED CONNECTION
	CAP
	PLUG OR BLIND FLANGE
	RISER
	ELBOW UP
	ELBOW DOWN
	TEE UP
	TEE DOWN
	FLEXIBLE HOSE CONNECTOR
	MECHANICAL COUPLING
	HEAT TRACE
	FLEX DROP
	THRUST BLOCK
	PIPE CONTINUATION

[illegible]

IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

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DRAWN BY	C. RICHARDS		
CHECKED BY	T. LEWIS		
DATE	JULY 2026		
SHEET NO.	101	TYPE	CD
DRAWING NO.	PDX 2026-510		DISC. SHT. NO. FP0.01

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".