

PIPING SYMBOLS

	UNION		ORIFICE FLOWMETER
	FLANGE		FLEXIBLE PIPE CONNECTOR
	PIPE ANCHOR		EXPANSION JOINT
	PIPE GUIDE OR SLEEVES		CONCENTRIC REDUCER/INCREASER
	PIPE ELBOW TURNED DOWN		ECCENTRIC REDUCER/INCREASER
	PIPE ELBOW TURNED UP		HOSE BIBB
	PIPING TEE-DOWN		WALL HYDRANT
	PIPING TEE-UP		DIRECTION OF FLOW
	PIPE RISER		FIRE DEPARTMENT CONNECTION
	FLOOR CLEAN OUT		PUMP
	CLEAN OUT		WATER HAMMER SUPPRESSER
	WALL CLEAN OUT		HUMIDIFIER
	PIPE PITCHES DOWN		DIFFERENTIAL PRESSURE TRANSMITTER
	GENERIC VALVE, SEE SPECIFICATIONS FOR TYPE		SPRINKLER HEAD
	GATE VALVE		GAS TURRET
	BALL VALVE		MEDICAL OXYGEN OUTLET
	BUTTERFLY VALVE (MANUAL)		MEDICAL VACUUM INLET
	2-WAY CONTROL VALVE		MEDICAL AIR OUTLET
	3-WAY CONTROL VALVE		WAGD OUTLET
	BALANCING VALVE (CIRCUIT SETTER)		PIPE ELBOW TURNED DOWN - VALVE IN VERTICAL
	CHECK VALVE		PIPE ELBOW TURNED UP - VALVE IN VERTICAL
	PLUG VALVE		POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	GLOBE VALVE		LIMIT OF DEMOLITION
	NEEDLE VALVE		
	BACK FLOW PREVENTER		
	SOLENOID VALVE		
	PRESSURE REDUCING OR REGULATING VALVE		
	PRESSURE RELIEF VALVE		
	STRAINER		
	STRAINER W/BLOWDOWN		
	PRESSURE SWITCH		
	FLOW SWITCH		
	PRESSURE GAUGE AND COCK		
	THERMOMETER AND WELL		
	TEMPERATURE & PRESSURE TAP (PETE'S PLUG)		
	HOSE END DRAIN VALVE WITH CAP		

ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	DWV	DRAINAGE, WASTE & VENT	PPE	PRE PURCHASED EQUIPMENT
AD	ACCESS DOOR	ENC	ENCLOSURE	PRS	PRESSURE REDUCING STATION
AFF	ABOVE FINISHED FLOOR	(E)	EXISTING	PRV	PRESSURE REDUCING VALVE
AHU	AIR HANDLING UNIT	EXIST.	EXISTING	(R)	REMOVE
AP	ALARM PANEL	FBO	FURNISHED BY OWNER	(REL.)	RELOCATED
ATC	AUTOMATIC TEMPERATURE CONTROL	FC	FLEXIBLE CONNECTION	RD	ROOF DRAIN
AV	AIR VENT	FD-#	FLOOR DRAIN TAG	RHC	REHEAT COIL
BA	BREATHING COMPRESSED AIR	FG	FIBERGLASS	RM	ROOM
BFP	BACKFLOW PREVENTER	FRHB	FREEZE RESISTANT HOSE BIBB	RPZ	REDUCED PRESSURE ZONE BFP
BLDG	BUILDING	FS	FLOW SWITCH	RV	RELIEF VALVE
BOD	BOTTOM OF DUCT	GC	GENERAL CONTRACTOR	SCV	SELF CONTAINED VALVE
BOP	BOTTOM OF PIPE	GPM	GALLONS PER MINUTE	SS	STAINLESS STEEL
BTU	BRITISH THERMAL UNIT	H	HUMIDIFIER	TE	TEMPERATURIZED ELEMENT (SENSOR)
CFH	CAPPED FOR FUTURE	HB	HOSE BIB	TOP	TOP OF PIPE
CLG	CEILING	HRU	HEAT RECOVERY UNIT	TTS	TIGHT TO STEEL
CO	CLEANOUT	HTR	HEATER	TYP	TYPICAL
CONT	CONTINUATION	H & V	HEATING AND VENTILATION	UIC	UP IN CHASE
COORD	COORDINATE	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	UIW	UP IN WALL
CT	COOLING TOWER	HW	HOT WATER	UV	UNIT VENTILATOR
CTE	CONNECT TO EXISTING	HX	HEAT EXCHANGER	VB	VACUUM BREAKER
CU	COPPER	IN WG	INCHES WATER GAUGE	VTR	VENT THRU ROOF
CV	CONTROL VALVE	MAU	MAKE UP AIR UNIT	VCFF	VALVED AND CAPPED FOR FUTURE
CW	COLD WATER	MAX	MAXIMUM	VFD	VARIABLE FREQUENCY DRIVE
CW-P	CITY WATER-PROCESS	MBH	1000 BTU/HR.	VOC	VOLATILE ORGANIC COMPOUNDS
DC	DOUBLE CONTAINED	ME	MECHANICAL ENGINEER	W/	WITH
DCO	DANDY CLEANOUT	MFR	MANUFACTURER	W&T	WASTE AND TRAP
DDC	DIRECT DIGITAL CONTROL	MIN	MINIMUM	WAGD	WASTE ANESTHETIC GAS DISPOSAL
DIA	DIAMETER	MPV	MULTI-PURPOSE VALVE	WCO	WALL CLEANOUT
DIC	DOWN IN CHASE	MTD	MOUNTED	WH	WALL HYDRANT
DIW	DOWN IN WALL	MUA	MAKE UP AIR	ZVB	ZONE VALVE BOX
DN	DOWN	NPW	NON-POTABLE WATER		
DS	DOWNSPOUT	NTS	NOT TO SCALE		
DT	DROP AND TRANSITION	P-#	PLUMBING FIXTURE TAG		
DWG	DRAWING	PP	POLY-PROPYLENE		
DWH	DOMESTIC WATER HEATER				

PIPING SYSTEMS

— AV —	ACID VENT	— MV —	MEDICAL VACUUM	— TEMP —	DOMESTIC HOT WATER (TEMP °F)
— AD —	ACID DRAIN	— N2NP —	NON-PROCESS NITROGEN	— TEMP —	RECIRC. DOMESTIC HOT WATER (TEMP °F)
--- AD ---	ACID DRAIN (BELOW SLAB)	— N2 —	NITROGEN	— CW —	DOMESTIC COLD WATER
— BA —	BREATHING AIR	— NG —	NATURAL GAS	— HW —	DOMESTIC HOT WATER
— CD —	CONDENSATE DRAIN	— HNG —	HIGH PRESSURE NATURAL GAS	— RHW —	RECIRCULATED DOMESTIC HOT WATER
— CDA —	COMPRESSED DRY AIR	— NO2 —	NITROUS OXIDE	— S, W or KW —	S SANITARY, W WASTE & KW KITCHEN WASTE
— DB —	DISTRIBUTION VALVE BOX	— NEG. SOLV. —	NEGATIVE SOLVENT DRAIN	— S, W or KW —	S SANITARY, W WASTE & KW KITCHEN WASTE (EXIST.)
— DIS —	DEIONIZED WATER SUPPLY	— NPW —	NON POTABLE COLD WATER	— S, W or KW —	S SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB)
--- DIR ---	DEIONIZED WATER RETURN	— O2 —	OXYGEN	— S, W or KW —	S SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB-EXIST.)
— EKCD —	EKC DRAIN	— OFA —	OIL FREE COMPRESSED AIR	— SD —	SD STORM DRAIN
— ESEW —	EYEWASH	— PD —	PUMPED DISCHARGE	— SD —	SD STORM DRAIN (EXIST.)
— GLY —	GLYCOL	— POS. SOLV. —	POSITIVE SOLVENT DRAIN	— SD —	SD STORM DRAIN (BELOW SLAB)
— GV —	GAS VENT	— PW —	POTABLE WATER	— SD —	SD STORM DRAIN (BELOW SLAB-EXIST.)
— H —	HYDROGEN	— R —	RELIEF LINE	— V —	SANITARY VENT
— H2O2 —	HYDROGEN PEROXIDE	— SLD —	MIXED SOLVENT DRAIN	— V —	SANITARY VENT (EXIST.)
— HCV —	HOUSE CLEAN VACUUM	— SV —	SOLVENT	— V —	SANITARY VENT (BELOW SLAB)
— IAD —	ISOPROPYL ALCOHOL DRAIN	— SP —	SPRINKLER	— V —	SANITARY VENT (BELOW SLAB-EXIST.)
— LP —	LIQUID PROPANE GAS	— VAC —	VACUUM		
— HLP —	HIGH PRESSURE LIQUID PROPANE GAS	— ZB —	ZONE VALVE BOX		
— MA —	MEDICAL AIR				

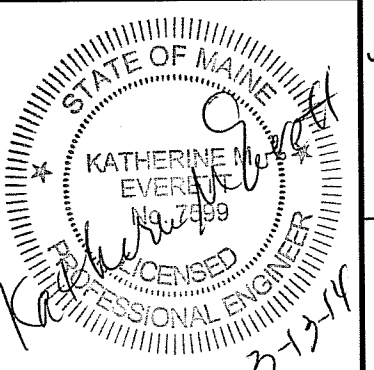
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