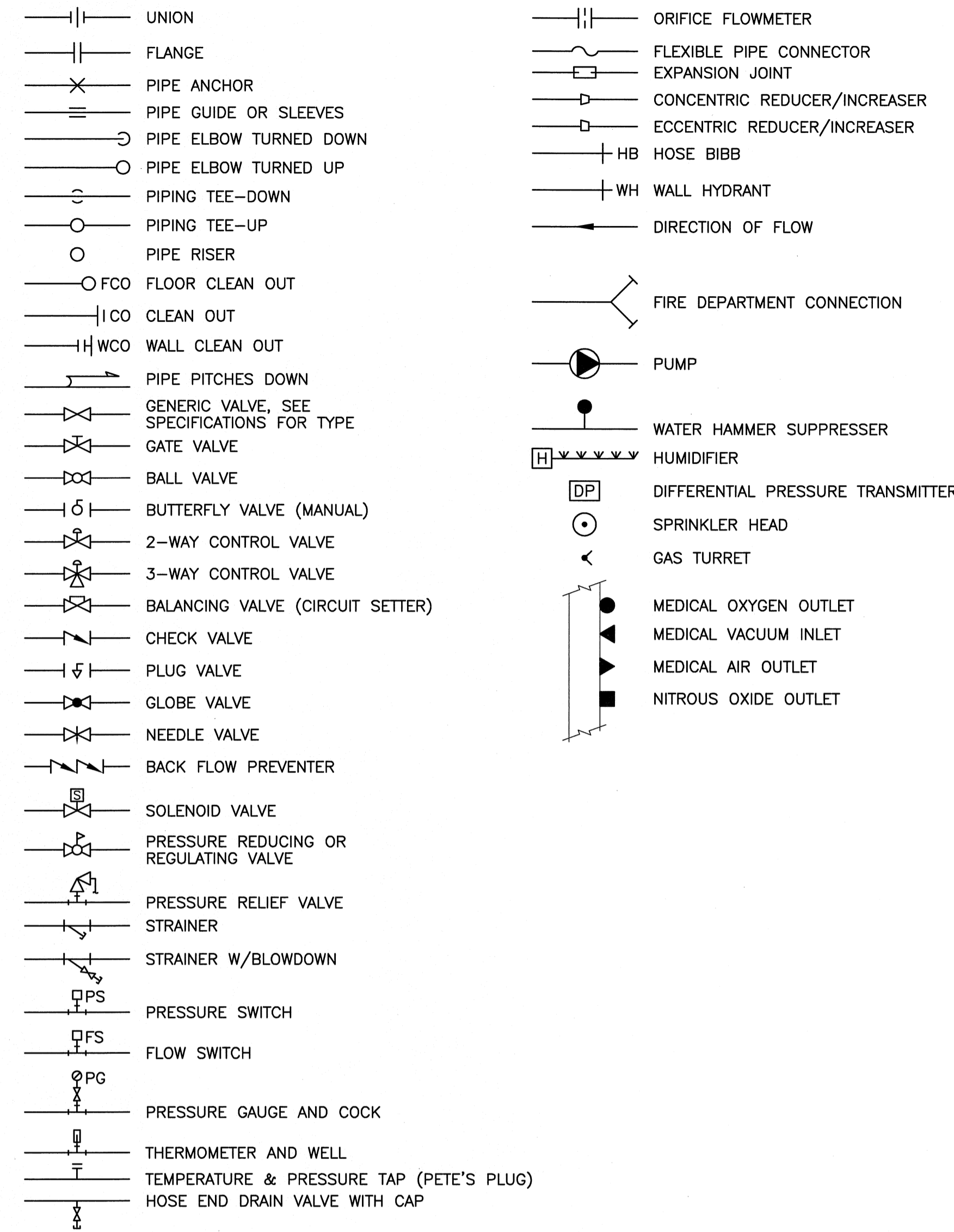


PIPING SYMBOLS



ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	DWH	DOMESTIC WATER HEATER	PP	POLY-PROPYLENE
AD	ACCESS DOOR	ENC	ENCLOSURE	PPE	PRE PURCHASED EQUIPMENT
AFF	ABOVE FINISHED FLOOR	(E)	EXISTING	PRS	PRESSURE REDUCING STATION
AHU	AIR HANDLING UNIT	EXIST.	EXISTING	PRV	PRESSURE REDUCING VALVE
ATC	AUTOMATIC TEMPERATURE CONTROL	FBO	FURNISHED BY OWNER	(R)	REMOVE
ATV	ATMOSPHERIC VENT	FC	FLEXIBLE CONNECTION	(REL.)	RELOCATED
AV	AIR VENT	FCO	FLOOR CLEANOUT	RD	ROOF DRAIN
BA	BREATHING COMPRESSED AIR	FD-#	FLOOR DRAIN TAG	RHC	REHEAT COIL
BFP	BACKFLOW PREVENTER	FG	FIBERGLASS	RM	ROOM
BLDG	BUILDING	FRHB	FREEZE RESISTANT HOSE BIBB	RPZ	REDUCED PRESSURE ZONE BFP
BOD	BOTTOM OF DUCT	FS	FLOW SWITCH	RV	RELIEF VALVE
BOP	BOTTOM OF PIPE	GC	GENERAL CONTRACTOR	SCV	SELF CONTAINED VALVE
BTU	BRITISH THERMAL UNIT	GPM	GALLONS PER MINUTE	SS	STAINLESS STEEL
CFE	CAPPED FOR FUTURE	H	HUMIDIFIER	TE	TEMPERATURIZED ELEMENT (SENSOR)
CFH	CUBIC FEET PER HOUR	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
DDC	DIRECT DIGITAL CONTROL	MFR	MANUFACTURER	WCO	WALL CLEANOUT
DIA	DIAMETER	MIN	MINIMUM	WH	WALL HYDRANT
DIC	DOWN IN CHASE	MPV	MULTI-PURPOSE VALVE		
DIW	DOWN IN WALL	MTD	MOUNTED		
DN	DOWN	MUA	MAKE UP AIR		
DS	DOWNSPOUT	NPW	NON-POTABLE WATER		
DT	DROP AND TRANSITION	NTS	NOT TO SCALE		
DWG	DRAWING	P-#	PLUMBING FIXTURE TAG		

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 —	V SANITARY VENT
— H2O2 —	HYDROGEN PEROXIDE	— SLD —	MIXED SOLVENT DRAIN	— V —	V SANITARY VENT (EXIST.)
— HCV —	HOUSE CLEAN VACUUM	— SV —	SOLVENT	— V —	V SANITARY VENT (BELOW SLAB)
— IAD —	ISOPROPYL ALCOHOL DRAIN	— SP —	SPRINKLER	— V —	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				

GENERAL NOTE
 1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

144 Fore Street, P.O. Box 618
 Portland, Maine 04104
 Tel: (207) 772-8846
 Fax: (207) 772-1070
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SHEET TITLE:
**PLUMBING
 LEGEND AND
 ABBREVIATIONS**

SHEET No. **PL001**