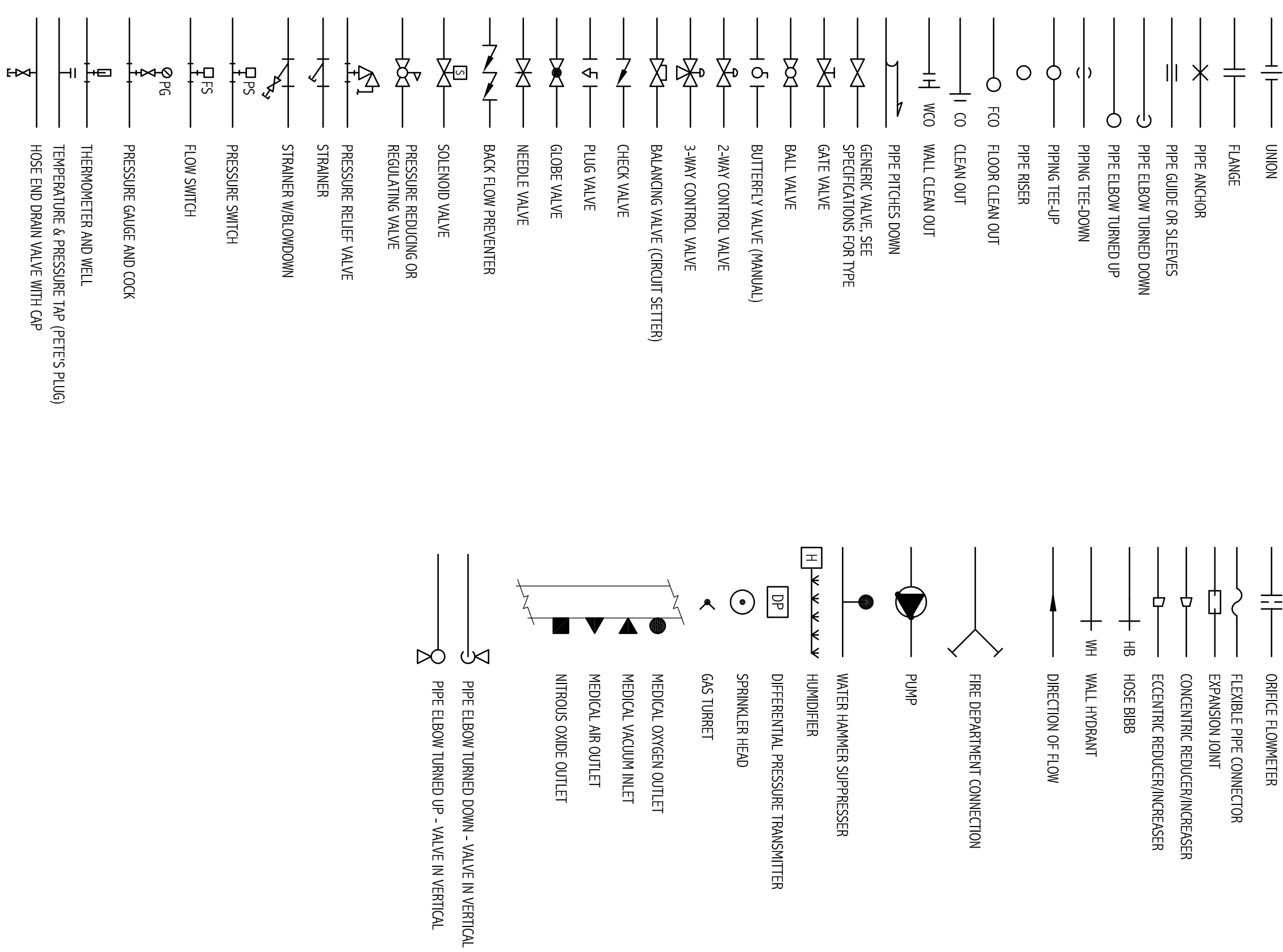


**PIPING SYMBOLS**



**ABBREVIATIONS**

AV	AUTOMATIC AIR VENT	ENC	ENCLOSURE	PPE	PRE-PURCHASED EQUIPMENT
AD	ACCESS DOOR	(E)	EXISTING	PRS	PRESSURE REDUCING STATION
AFF	ABOVE FINISHED FLOOR	EXST	EXISTING	PRV	PRESSURE REDUCING VALVE
AHU	AIR HANDLING UNIT	FBO	FURNISHED BY OWNER	(R)	REMOVE
ATC	AUTOMATIC TEMPERATURE CONTROL	FC	FLEXIBLE CONNECTION	(REL)	RELOCATED
AV	AIR VENT	F0	FLOOR CLEANOUT	RD	ROOF DRAIN
BA	BREATHING COMPRESSED AIR	FD-#	FLOOR DRAIN TAG	RHC	REHEAT COIL
BPP	BACKFLOW PREVENTER	FG	FIBERGLASS	RM	ROOM
BLOG	BUILDING	FRIB	FREEZE RESISTANT HOSE BIBS	RP2	REDUCED PRESSURE ZONE BPP
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	TIS	TIGHT TO STEEL
CO	CLEANOUT	HR	HEATER	TYP	TYPICAL
CONT	CONTINUATION	H & V	HEATING AND VENTILATION	UC	UP IN CHASE
COORD	COORDINATE	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	UW	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	VCF	VALVED AND CAPPED FOR FUTURE
CW	COLD WATER	MAX	MAXIMUM	VFD	VARIABLE FREQUENCY DRIVE
QWP	CITY WATER-PROCESS	MBH	1000 BTU/HR	VOC	VOLATILE ORGANIC COMPOUNDS
DC	DOUBLE CONTAINED	ME	MECHANICAL ENGINEER	W	WITH
DCO	DAWDY CLEANOUT	MFR	MANUFACTURER	W&T	WASTE AND TRAP
DDC	DIRECT DIGITAL CONTROL	MIN	MINIMUM	WCO	WALL CLEANOUT
DA	DIAMETER	MFPV	MULTI-PURPOSE VALVE	WH	WALL HYDRANT
DK	DOWN IN CHASE	MND	MOUNDED		
DW	DOWN IN WALL	MUA	MAKE UP AIR		
DN	DOWN	NPW	NON-POTABLE WATER		
DS	DOWNSPOUT	NTS	NOT TO SCALE		
DT	DROP AND TRANSMISSION	P-#	PLUMBING FUTURE TAG		
DWG	DRAWING	PP	POLYPROPYLENE		
DWH	DOMESTIC WATER HEATER				

**PIPING SYSTEMS**

AV	ACID VENT	MV	MEDICAL VACUUM	TEMP	TEMP	DOMESTIC HOT WATER (TEMP °F)
AD	ACID DRAIN	N2NP	NON-PROCESS NITROGEN	TEMP	TEMP	REQ'D 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
CI	CONDENSATE DRAIN	HNG	HIGH PRESSURE NATURAL GAS	RHW	RHW	REGULATED DOMESTIC HOT WATER
CA	COMPRESSED DRY AIR	NO2	NITROUS OXIDE	S W or RW	S W or RW	S SANITARY, W WASTE & RW KITCHEN WASTE (EXIST.)
DB	DISTRIBUTION VALVE BOX	NEG. SOLV.	NEGATIVE SOLVENT DRAIN	S W or RW	S W or RW	S SANITARY, W WASTE & RW KITCHEN WASTE (EXIST.)
DS	DEIONIZED WATER SUPPLY	NPW	NON POTABLE COLD WATER	S W or RW	S W or RW	S SANITARY, W WASTE & RW KITCHEN WASTE (BELOW SLAB)
DR	DEIONIZED WATER RETURN	O2	OXYGEN	S W or RW	S W or RW	S SANITARY, W WASTE & RW KITCHEN WASTE (BELOW SLAB-EXIST.)
EKD	ERC DRAIN	OPA	OIL FREE COMPRESSED AIR	SO	SO	SD STORM DRAIN
ESW	ETWASH	PD	PUMPED DISCHARGE	SO	SO	SD STORM DRAIN (EXIST.)
GLY	GLYCOL	POS. SOLV.	POSITIVE SOLVENT DRAIN	SO	SO	SD STORM DRAIN (BELOW SLAB)
GV	GAS VENT	PW	POTABLE WATER	SO	SO	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)
IP	ISOPROPYL ALCOHOL DRAIN	SP	SPRINKLER			V SANITARY VENT (BELOW SLAB-EXIST.)
LP	LIQUID PROPANE GAS	VAC	VACUUM			
HP	HIGH PRESSURE LIQUID PROPANE GAS	ZB	ZONE VALVE BOX			
MA	MEDICAL AIR					

**GENERAL NOTE**  
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