



MECHANICAL & PLUMBING LEGEND

NOTE: USE SYMBOLS AND ABBREVIATIONS AS APPLICABLE FOR THIS MECHANICAL DRAWING SET. SOME SYMBOLS AND ABBREVIATIONS IN THIS LEGEND MAY NOT APPLY.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
CA	COMPRESSED AIR PIPING (CA)	AV	AUTOMATIC AIR VENT	EXH	EXHAUST	PERENY	PENETRATION	PF	FLEXIBLE CONNECTION
C	CONDENSATE DRAIN PIPING (C)	AD	ACCESS DOOR	FC	FLOOR CLEANOUT	PSA	POUNDS PER SQUARE INCH ABSOLUTE	PSB	POUNDS PER SQUARE INCH GAGE
CTR	COOLING TOWER RETURN PIPING (CTR)	AF	ABOVE FINISHED FLOOR	FD	FLOOR DRAIN TAG	PSB	POLYVINYL CHLORIDE (PVC)	PVC	POLYVINYL CHLORIDE (PVC)
CTSD	COOLING TOWER SUPPLY PIPING (CTSD)	AMS	AIR HANDLING UNIT TAG	FD	FLOOR DRAIN TAG	RA	RETURN AIR	RA	RETURN AIR
CWR	CHILLED WATER RETURN PIPING (CWR)	AMPS	AMPERES	FLA	FULL LOAD AMPS	RD	ROOM DRAIN	RD	ROOM DRAIN
CWS	CHILLED WATER SUPPLY PIPING (CWS)	APD	AR PRESSURE DROP	FOS	FUEL OIL SUPPLY	RE	RECOMMENDED DUAL ELEMENT FUSE AMPS	RF	RADIANT FLOOR MANIFOLD TAG
FOR	FUEL OIL RETURN PIPING (FOR)	AS	AIR SEPARATOR TAG	FP	FROST PROOF HOSE BIB	RFW	RETURN GRILLE TAG	RG	RETURN GRILLE TAG
FOS	FUEL OIL SUPPLY PIPING (FOS)	ATC	AUTOMATIC TEMPERATURE CONTROL	FT	FEET	RHW	RECYCLED HOT WATER	RHW	RECYCLED HOT WATER
G	GAS PIPING (G)	BD	BYPASS DAMPER TAG	FTR	FITTING RADIATION TAG	RLA	RADIANT LOAD AMPS	RLA	RADIANT LOAD AMPS
HWR	HOT WATER RETURN PIPING (HWR)	BFD	BACKFLOW PREVENTER TAG	FT	FEET	RPM	REVOLUTIONS PER MINUTE	RPM	REVOLUTIONS PER MINUTE
HWS	HOT WATER SUPPLY PIPING (HWS)	BHP	BRAKE HORSEPOWER	FT	FEET	RPS	REDUCED PRESSURE ZONE	RPS	REDUCED PRESSURE ZONE
RL	REFRIGERANT LIQUID PIPING (RL)	BTU	BRITISH THERMAL UNITS PER HOUR	FT	FEET	RR	RETURN REGISTER TAG	RR	RETURN REGISTER TAG
RG	REFRIGERANT GAS PIPING (RG)	CB	COUNTER BALANCED DAMPER	FT	FEET	RTU	ROOM TEMPERATURE SENSOR	RTU	ROOM TEMPERATURE SENSOR
SAW	SANITARY PIPING BELOW SLAB (SAW)	CC	COUNTER BALANCED DAMPER	FT	FEET	RV	RELIEF VALVE	RV	RELIEF VALVE
SAW	SANITARY PIPING ABOVE SLAB (SAW)	CD	COUNTER BALANCED DAMPER	FT	FEET	RWL	RAINWATER LEADER	RWL	RAINWATER LEADER
RWL	RAINWATER LEADER ABOVE SLAB (RWL)	CD	COUNTER BALANCED DAMPER	FT	FEET	SA	SANITARY DRAIN & WASTE	SA	SANITARY DRAIN & WASTE
CW	COLD WATER PIPING (CW)	CFM	CUBIC FEET PER MINUTE	CH	CHILLER TAG	SE	SEASONAL ENERGY EFFICIENCY RATIO	SE	SEASONAL ENERGY EFFICIENCY RATIO
HW	HOT WATER PIPING (HW)	CHL	CHILLER TAG	CH	CHILLER TAG	SR	SUPPLY AIR	SR	SUPPLY AIR
RHW	RECYCLED HOT WATER PIPING (RHW)	CHL	CHILLER TAG	CH	CHILLER TAG	SS	STATIC PRESSURE	SS	STATIC PRESSURE
PIPE CAP	DIRECTION OF FLUID FLOW	CHL	CHILLER TAG	CH	CHILLER TAG	SP	SUMP PUMP TAG	SP	SUMP PUMP TAG
ELBOW UP	ELBOW UP	CHL	CHILLER TAG	CH	CHILLER TAG	SR	SUPPLY REGISTER TAG	SR	SUPPLY REGISTER TAG
ELBOW DOWN	ELBOW DOWN	CHL	CHILLER TAG	CH	CHILLER TAG	SS	SQUARE FEET	SS	SQUARE FEET
TEE UP	TEE UP	CHL	CHILLER TAG	CH	CHILLER TAG	TD	TEMPERATURE DIFFERENTIAL	TD	TEMPERATURE DIFFERENTIAL
TEE DOWN	TEE DOWN	CHL	CHILLER TAG	CH	CHILLER TAG	TOP	TEMPERATURE CONTROL PANEL	TOP	TEMPERATURE CONTROL PANEL
PIPE WITH GUIDE	PIPE WITH GUIDE	CHL	CHILLER TAG	CH	CHILLER TAG	TRM	TRIP POINT TAG	TRM	TRIP POINT TAG
PIPE WITH ANCHOR	PIPE WITH ANCHOR	CHL	CHILLER TAG	CH	CHILLER TAG	TS	TOTAL STATIC PRESSURE	TS	TOTAL STATIC PRESSURE
BUTTERFLY VALVE	BUTTERFLY VALVE	CHL	CHILLER TAG	CH	CHILLER TAG	TYP	TYPICAL	TYP	TYPICAL
OS & Y GATE VALVE	OS & Y GATE VALVE	CHL	CHILLER TAG	CH	CHILLER TAG	U	UNIT HEATER TAG	U	UNIT HEATER TAG
BACKFLOW PREVENTER (BFP)	BACKFLOW PREVENTER (BFP)	CHL	CHILLER TAG	CH	CHILLER TAG	VAV	VARIABLE AIR VOLUME BOX TAG	VAV	VARIABLE AIR VOLUME BOX TAG
CHECK VALVE	CHECK VALVE	CHL	CHILLER TAG	CH	CHILLER TAG	VBS	VARIABLE SPEED DRIVE	VBS	VARIABLE SPEED DRIVE
BALANCING VALVE (ADJUSTABLE)	BALANCING VALVE (ADJUSTABLE)	CHL	CHILLER TAG	CH	CHILLER TAG	VTR	VENT THRU ROOF	VTR	VENT THRU ROOF
AUTOMATIC FLOW CONTROL VALVE	AUTOMATIC FLOW CONTROL VALVE	CHL	CHILLER TAG	CH	CHILLER TAG	VPH/Hz	VOLTS/PHASES/HERTZ	VPH/Hz	VOLTS/PHASES/HERTZ
RELIEF VALVE (RV)	RELIEF VALVE (RV)	CHL	CHILLER TAG	CH	CHILLER TAG	WB	WET BULB	WB	WET BULB
3/4" BALL VALVE WITH 3/4" HOSE END	3/4" BALL VALVE WITH 3/4" HOSE END	CHL	CHILLER TAG	CH	CHILLER TAG	W	WALL CLEANOUT	W	WALL CLEANOUT
DATE VALVE	DATE VALVE	CHL	CHILLER TAG	CH	CHILLER TAG	WG	WATER GAGE	WG	WATER GAGE
PRESSURE REDUCING VALVE	PRESSURE REDUCING VALVE	CHL	CHILLER TAG	CH	CHILLER TAG	WPD	WATER PRESSURE DROP	WPD	WATER PRESSURE DROP
FUSIBLE VALVE	FUSIBLE VALVE	CHL	CHILLER TAG	CH	CHILLER TAG	WSA	WIRE SIZING AMPS	WSA	WIRE SIZING AMPS
STRAINER	STRAINER	CHL	CHILLER TAG	CH	CHILLER TAG	WTD	WATER TEMPERATURE DROP	WTD	WATER TEMPERATURE DROP
STRAINER W/BLOWDOWN BALL VALVE	STRAINER W/BLOWDOWN BALL VALVE	CHL	CHILLER TAG	CH	CHILLER TAG	W	WITH	W	WITH
2-WAY CONTROL VALVE	2-WAY CONTROL VALVE	CHL	CHILLER TAG	CH	CHILLER TAG	ZD	ZONE DAMPER TAG	ZD	ZONE DAMPER TAG
SOLENOID VALVE	SOLENOID VALVE	CHL	CHILLER TAG	CH	CHILLER TAG				
3-WAY CONTROL VALVE	3-WAY CONTROL VALVE	CHL	CHILLER TAG	CH	CHILLER TAG				
3-WAY CONTROL VALVE (TOP VIEW)	3-WAY CONTROL VALVE (TOP VIEW)	CHL	CHILLER TAG	CH	CHILLER TAG				
2 BUTTERFLY VALVES W/SINGLE ACTUATOR	2 BUTTERFLY VALVES W/SINGLE ACTUATOR	CHL	CHILLER TAG	CH	CHILLER TAG				