

HVAC LEGEND & ABBREVIATIONS	
SYMBOL	DESCRIPTION
	GATE VALVE
	BUTTERFLY VALVE
	BALANCING VALVE
	CHECK VALVE
	METERING VALVE
	SOLENOID VALVE
	GLOBE VALVE
	NEEDLE VALVE
	TWO WAY MODULATING MOTORIZED CONTROL VALVE
	BALL VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	STRAINER
	SIGHT GLASS
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	TEST PLUG
	GAUGE COCK

HVAC LEGEND & ABBREVIATIONS	
SYMBOL	DESCRIPTION
	THERMOMETER
	PRESSURE GAUGE
	DRIP LEG
	THERMOMETER WELL
	PIPE FLOW ARROW
	GRADE ARROW—INDICATES RISE OR DROP IN DUCT OR PIPE
	TEMPERED WATER RETURN
	TEMPERED WATER SUPPLY
	CONDENSATE DRAIN
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	DDC TEMPERATURE SENSOR (TEMPERATURE & HUMIDITY)
	STATIC PRESSURE SENSOR
	REMOTE THERMISTOR
	CARBON DIOXIDE SENSOR
	EMERGENCY FAN SHUTDOWN SWITCH
	RETURN AIR OPENING IN WALL ABOVE CEILING
	ABOVE FINISHED FLOOR
	BOTTOM OF STRUCTURE
	MOTOR OPERATED DAMPER
	OUTSIDE VENTILATION SUPPLY AIR

HVAC LEGEND & ABBREVIATIONS	
SYMBOL	DESCRIPTION
	RECTANGULAR AIR DUCT — FIRST DIMENSION IS SIDE SHOWN
	ROUND DUCT (A* $\pi$ ) OR FLAT OVAL (AxB)
	LINED DUCTWORK, DIMENSIONS ARE OUTER METAL TO OUTER METAL
	AIR DUCT FLEXIBLE CONNECTOR
	SUPPLY AIR RECTANGULAR DUCT RISE OR DROP
	RETURN OR OUTSIDE AIR RECTANGULAR DUCT RISE OR DROP
	EXHAUST AIR RECTANGULAR DUCT RISE OR DROP
	45° BRANCH TAKE-OFF WITH SPLITTER DAMPER AND CONTROL ROD
	DOUBLE ELBOW WITH SPLITTER DAMPER WITH CONTROL ROD
	FIRE DAMPER
	SMOKE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	MOTOR OPERATED DAMPER SAME SIZE AS DUCT UNLESS OTHERWISE NOTED
	DUCT-MOUNTED STATIC PRESSURE SENSOR
	MANUAL VOLUME DAMPER
	SMOKE DETECTOR FURNISHED UNDER ANOTHER DIVISION. MOUNT IN DUCTWORK.
	BACKDRAFT DAMPER
	SQUARE ELBOW WITH TURNING VANES
	DUCT TRANSITION, RECTANGULAR TO ROUND OR OVAL
	DUCT TRANSITION, RECTANGULAR TO RECTANGULAR
	RADIUS ELBOW TAKE-OFF
	FLEX DUCT AT DIFFUSER
	SINGLE LINE DUCT TRANSITION
	ECCENTRIC REDUCER FLAT SIDE ON BOTTOM OR FLAT SIDE ON TOP
	CONCENTRIC REDUCER
	PIPE UNION
	PIPE RISE
	PIPE DROP
	CAP ON END OF LINE
	GATE VALVE
	BUTTERFLY VALVE
	BALANCING VALVE



**ASHRAE HEADQUARTERS**  
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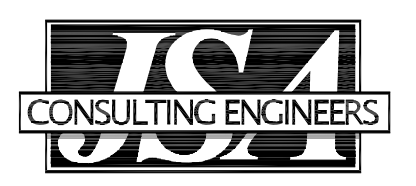

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