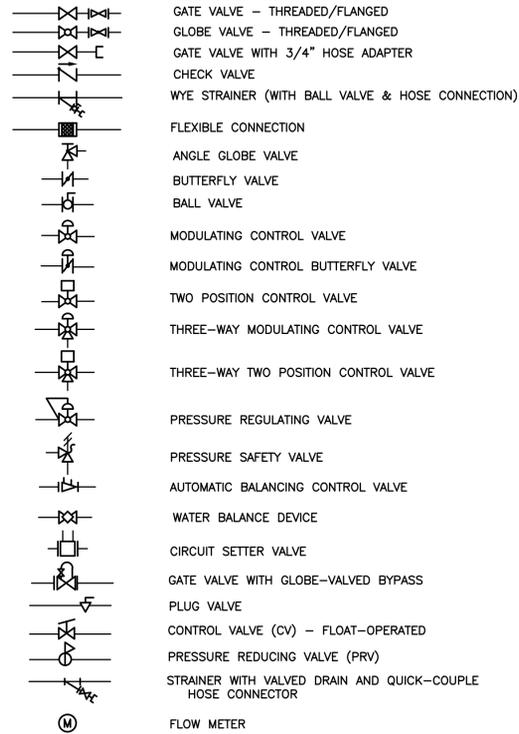
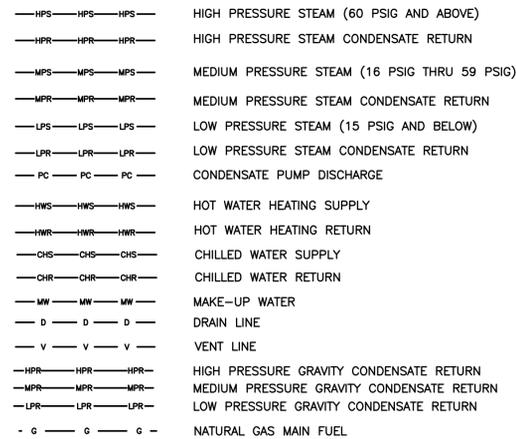


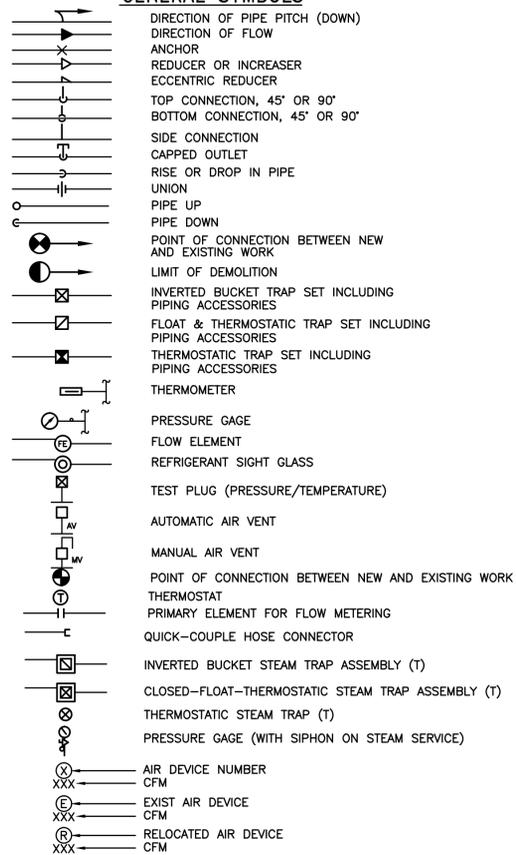
VALVE SYMBOLS



PIPING SYMBOLS



GENERAL SYMBOLS



ABBREVIATIONS

A/E ARCHITECT / ENGINEER	HAC HOUSEKEEPING AID CLOSET	SA SUPPLY AIR
AB AIR BLENDER	HB HOSE BIBB	SAD SOUND ATTENUATING DEVICE
AAV AUTOMATIC AIR VENT	HC HEATING COIL	SAT SUPPLY AIR TEMPERATURE
ACD AUTOMATIC CONTROL DAMPER/MODULATING	HD HEAD	SD SMOKE DETECTOR
ACD-TP AUTOMATIC CONTROL DAMPER, TWO POSITION	HEX HEAT EXCHANGER	SD SUPPLY AIR DIFFUSER
AD ACCESS DOOR	HOA HAND/OFF/AUTOMATIC	SDPR SMOKE DAMPER
AF AFTER FILTER	HP HEAT PUMP	SEN SENSIBLE HEAT
AFCV AIR FLOW CONTROL VALVE	HPD HIGH PRESSURE DRIP TRAP	SF SUPPLY FAN
AFF ABOVE FINISHED FLOOR	HPR HIGH PRESSURE RETURN (STEAM CONDENSATE)	SG SUPPLY AIR GRILLE
AFMD AIR FLOW MEASURING DEVICE	HPS HIGH PRESSURE SUPPLY (STEAM)	SH STEAM HUMIDIFIER
AHU AIR-HANDLING UNIT	HSTAT HUMIDISTAT	SI SQUARE INCHES
AP ACCESS PANEL	HW HOT WATER	SP STATIC PRESSURE
APD AIR PRESSURE DROP	HWC HOT WATER COIL	SP GR SPECIFIC GRAVITY
AS AIR SEPARATOR	HWP HEATING HOT WATER PUMP	SPS STATIC PRESSURE SENSOR
BD BUTTERFLY DAMPER	HWR HEATING HOT WATER RETURN	SQF SQUARE FOOT (FEET)
BDD BACKDRAFT DAMPER	HWS HEATING HOT WATER SUPPLY	SR SUPPLY AIR REGISTER
BFP BACKFLOW PREVENTER	HVD HOISTWAY VENT DAMPER	SS STAINLESS STEEL
BHP BRAKE HORSEPOWER	HX HEAT EXCHANGER	SSR SOLID SEPARATOR
BW BACKWARD INCLINED WHEEL (FAN)	HZ HERTZ	SV STEAM PRESSURE REDUCING VALVE
BTU BRITISH THERMAL UNIT PER HOUR	I/O INPUT/OUTPUT	T & PCV TEMPERATURE AND PRESSURE CONTROL VALVE
BTUH BRITISH THERMAL UNIT PER HOUR	IAQ INDOOR AIR QUALITY	TAB TESTING, ADJUSTING, BALANCE
C CENTIGRADE (CELCIUS)	IBT INVERTED BUCKET TRAP	TD TEMPERATURE DIFFERENCE
CC COOLING COIL	ID INSIDE DIAMETER	TDH TOTAL DYNAMIC HEAD
CCD COOLING COIL CONDENSATE DRAIN	IN WC INCH WATER COLUMN	TDS TOTAL DISSOLVED SOLIDS
CD CEILING DIFFUSER	IN WG INCH WATER GAUGE	TG TRANSFER GRILLE
CFM CUBIC FEET PER MINUTE	IN-LB INCH-POUND	TP TRAP
CFT CUBIC FEET	KG KILOGRAM	TSP TOTAL STATIC PRESSURE
CG CEILING GRILLE	KPA KILOPASCAL	TSTAT THERMOSTAT
CHP CHILLED WATER PUMP	KW KILOWATT	TU TERMINAL UNIT
CHWR CHILLED WATER RETURN	KWH KILOWATT HOUR	UH UNIT HEATER
CHWS CHILLED WATER SUPPLY	L/s LITERS PER SECOND (OR LITERS/SECOND)	V VALVE
CI CAST IRON	LAT LEAVING AIR TEMPERATURE	VAV VARIABLE AIR VOLUME
CM CARBON MONOXIDE	LB/HR POUNDS PER HOUR	VD VOLUME DAMPER (MANUAL OPPOSED BLADE)
CO CLEAN OUT	LF LINEAR FOOT (FEET)	VFD VARIABLE FREQUENCY DRIVE
CO2 CARBON DIOXIDE	LH LATENT HEAT	VI VIBRATION ISOLATOR
CP CONDENSATE PUMP	LPG LIQUID PROPANE GAS	
CR CEILING REGISTER	LPR LOW PRESSURE RETURN (STEAM CONDENSATE)	Wb WET-BULB (TEMPERATURE)
CSG CLEAN STEAM GENERATOR	LPS LOW PRESSURE STEAM	WEF WALL EXHAUST FAN
CV CONSTANT VOLUME	LPRC LOW PRESSURE STEAM RETURN (CLEAN)	WF WATER FILTER
CW COLD WATER (POTABLE)	LPSD LOW PRESSURE STEAM (CLEAN)	WFMD WATER FLOW MEASURING DEVICE
D DAMPER - AUTOMATIC	LSD LINEAR SLOT DIFFUSER	WG WATER GAGE
DB DECIBELS	LTCP LOCAL TEMPERATURE CONTROL PANEL	WM WATER METER
Dc DRY-BULB TEMPERATURE	LVR LOUVER	WPD WATER PRESSURE DROP
DDC DIRECT DIGITAL CONTROLS	LWT LEAVING WATER TEMPERATURE	YR YEAR
DEG DEGREE	M METER	
DF DIFFUSER	MA MIXED AIR	
DIA DIAMETER	MAT MIXED AIR TEMPERATURE	
DP DEW POINT TEMPERATURE	MAU MAKE-UP AIR UNIT	
DPS DIFFERENTIAL PRESSURE SENSOR	MAV MANUAL AIR VENT	
EA EXHAUST AIR	MAX MAXIMUM	
EAG EXHAUST AIR GRILLE	MB MIXING BOX	
EAT ENTERING AIR TEMPERATURE	MEH 1000 BTUH	
EC EVAPORATIVE COOLER	MER MECHANICAL EQUIPMENT ROOM	
ECC ENGINEERING CONTROL CENTER	MERV MINIMUM EFFICIENCY REPORTING VALUE	
EER ENERGY EFFICIENCY RATIO	MH MANHOLE	
EF EXHAUST FAN	MHP MOTOR HORSEPOWER	
EG EXHAUST GRILLE	MIN MINIMUM	
EH EXHAUST HOOD	MM MILLIMETER	
EJ EXPANSION JOINT	MOV MOTOR OPERATED VALVE	
EMD END OF MAIN DRIP (STEAM)	MPR MEDIUM PRESSURE RETURN (STEAM CONDENSATE)	
ER EXHAUST REGISTER	MPS MEDIUM PRESSURE STEAM	
ESP EXTERNAL STATIC PRESSURE	MTD MEAN TEMPERATURE DIFFERENCE	
ET EXPANSION TANK	MVD MANUAL VOLUME DAMPER	
EWC EVAPORATIVE WATER COOLER	NA NOT APPLICABLE	
EWI ENTERING WATER TEMPERATURE	NC NOISE CRITERIA	
EXIST EXISTING	NC NORMALLY CLOSED	
F FAHRENHEIT	NO NORMALLY OPEN	
F&T FLOAT AND THERMOSTATIC	NOM NOMINAL	
F/SDPR COMBINATION FIRE SMOKE DAMPER	NTS NOT TO SCALE	
FA FREE AREA	OA OUTSIDE AIR	
FC FLEXIBLE CONNECTION	OAG OUTSIDE AIR GRILLE	
FCW FORWARD CURVED WHEEL (FAN)	OAI OUTSIDE AIR INTAKE	
FD FLOOR DRAIN	OD OUTSIDE DIAMETER	
FD FIRE DAMPER	P PUMP	
FF FINAL FILTER	PA PASCAL	
FM FLOW METER	PC PUMPED CONDENSATE	
FFM FEET PER MINUTE	PD PRESSURE DROP	
FFS FEET PER SECOND	PEF PROPELLER (TYPE) EXHAUST FAN	
FS FLOW SWITCH	PF PRE-FILTER	
FSTAT FREEZESTAT	PG PRESSURE GAGE	
FT FEET	PHC PREHEAT COIL	
FT-LB FOOT-POUND	PPM PARTS PER MILLION	
FV FACE VELOCITY	PRS PRESSURE REGULATING (VALVE) STATION	
GA GAUGE	PRV PRESSURE REGULATING VALVE	
GH GRAVITY HOOD	PSIG POUNDS PER SQUARE INCH - GAGE	
GPD GALLONS PER DAY	PSV PRESSURE SAFETY VALVE	
GPM GALLONS PER MINUTE	RA RETURN AIR	
GPR GAS PRESSURE REGULATOR	RAHU ROFF AIR HANDLING UNIT	
GS GALVANIZED STEEL	RAT RETURN AIR TEMPERATURE	
	REA RELIEF AIR	
	RF RETURN FAN	
	RG RETURN GRILLE	
	RH RELATIVE HUMIDITY	
	RPM REVOLUTIONS PER MINUTE	
	RR RETURN REGISTER	
	RV RELIEF VALVE	

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<p>Approved:</p> <p>Title: _____</p> <p>Signature: _____</p>	<p>Project Title:</p> <p>MECHANICAL - LEGEND</p>	<p>Project Title:</p> <p>Southeast VA Health Care System (SLVHCS) A&E Design Urgent Care</p>	<p>Date:</p> <p>January 18, 2013</p>	
<p>Approved Service Engineer:</p> <p>_____</p>	<p>Approved Service Director:</p> <p>_____</p>	<p>Building Number:</p> <p>_____</p>	<p>Checked WLP:</p> <p>_____</p>	
<p>Location:</p> <p>1601 Perdido Street, New Orleans, LA</p>	<p>Project No.:</p> <p>VA256-C-0231</p>	<p>Rooming No.:</p> <p>M002</p>	<p>Department of Veterans Affairs</p>	