



SITE RECORD DOCUMENTS

MECHANICAL SYMBOLS AND LEGEND			
PLUMBING		HVAC	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COMPRESSED AIR		UNION
	COLD WATER		LATERAL
	COLD WATER (W/ TEXT)		CROSS
	CONDENSATE DRAIN (ABOVE GRADE)		TEE
	CONDENSATE DRAIN (BELOW GRADE)		REDUCER
	DISCHARGE DRAIN		EXPANSION LOOP
	DRY STAND PIPE		FLEXIBLE CONNECTOR
	FIRE (WET PIPE)		HOSE BIBB
	GAS		TRAP PRIMER
	HOT WATER		AIR SEPARATOR
	HOT WATER (W/ TEXT)		PUMP
	LOW PRESSURE STEAM		ANCHOR, INTERMEDIATE
	RECIRCULATING (HOT WATER RETURN)		ANCHOR, MAIN
	REFRIGERANT DISCHARGE		EXPANSION JOINT
	REFRIGERANT LIQUID		FLOW METER, VENTURI
	REFRIGERANT SUCTION		FLOW SWITCH
	SANITARY (ABOVE GRADE)		PRESSURE SWITCH
	SANITARY (BELOW GRADE)		THERMOMETER
	STORM DRAIN (ABOVE GRADE)		HANGER, ROD
	STORM DRAIN (BELOW GRADE)		HANGER, SPRING
	VACUUM (AIR)		PRESSURE GAUGE WITH COCK
	VENT		WATER HAMMER ARRESTOR
	GAS COCK		ELBOW TURNED UP
	BALL VALVE		ELBOW TURNED DOWN
	BUTTERFLY VALVE		CONNECTION, BOTTOM
	GATE VALVE		CONNECTION, TOP
	GATE VALVE, ANGLE		BREAK LINE
	GLOBE VALVE		PIPE CAP
	GLOBE VALVE, ANGLE		POINT OF CONNECTION
	PLUG VALVE		FLOOR CLEANOUT/CLEANOUT TO GRADE
	THREE WAY VALVE		WALL CLEANOUT/CLEANOUT
	CHECK VALVE, SWING GATE		WALL HYDRANT
	CHECK VALVE, SPRING		FLOOR DRAIN
	PRESSURE REDUCING VALVE		OVERFLOW DRAIN
	SOLENOID VALVE		ROOF DRAIN/FUNNEL DRAIN
	MOTORIZED VALVE		RISER/VENT THRU ROOF (VTR)
	SQUARE HEAD COCK		FIRE SPRINKLER RISER
	STRAINER		ACCESS PANEL
	STRAINER, WITH BLOW OFF		MECHANICAL SYSTEM TO REMAIN
			MECHANICAL SYSTEM TO BE REMOVED

NOTE: SOME SYMBOLS IN THIS LEGEND MAY NOT APPEAR ON THE ACTUAL DRAWINGS.

ABBREVIATIONS

%	PERCENT	LWT	LEAVING WATER TEMPERATURE
A	COMPRESSED AIR	MD	MOTORIZED DAMPER
AC	ALTERNATING CURRENT	MIN	MINIMUM
ACU	AIR CONDITIONING UNIT(S)	MPH	MILES PER HOUR
AFF	ABOVE FINISHED FLOOR	N C	NORMALLY CLOSED
AHU	AIR HANDLING UNIT	N O	NORMALLY OPEN
AMB	AMBIENT	N/A	NOT APPLICABLE
AMP	AMPERE (AMP, AMPS)	NC	NOISE CRITERIA
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NIC	NOT IN CONTRACT
AP	ACCESS PANEL	NO	NUMBER
APPROX	APPROXIMATE	NTS	NOT TO SCALE
AVC	AVERAGE	OA	OUTSIDE AIR
BHP	BRAKE HORSEPOWER	OD	OUTSIDE AIR
BTU	BRITISH THERMAL UNIT	OD	OVERFLOW DRAIN
C TO C	CENTER TO CENTER	OZ	OUNCE
CD	CONDENSATE DRAIN	PH	PHASE (ELECTRICAL)
CEILING	CEILING DIFFUSER	POC	POINT OF CONNECTION
CFM	CUBIC FEET PER MINUTE	PPM	PARTS PER MILLION
CMR	COMPRESSOR	PRESS	PRESSURE
CO	CLEANOUT	PS	PRESSURE SWITCH
COEF	COEFFICIENT	PSF	POUNDS PER SQUARE FOOT
COND	CONDENSATE (—ER, —ING, —ATION)	PSI	POUNDS PER SQUARE INCH
COTC	CLEANOUT TO GRADE	PSIG	PSI GAGE
CR	CONDENSATE RETURN	R	THERMAL RESISTANCE
CU FT	CUBIC FEET	R	RISE
CU IN	CUBIC INCH	R12, R22	REFRIGERANT (12,22, ETC.)
CW	COLD WATER	RA	RETURN AIR
D	DISCHARGE DRAIN	RCIR, RECR	RECIRCULATE
DB	DECIBEL	RD	REFRIGERANT DISCHARGE
DBT	DRY-BULB TEMPERATURE	RD	ROOF DRAIN
DEG OR	DEGREE	RH	RELATIVE HUMIDITY
DIA	DIAMETER	RL	REFRIGERANT LIQUID
DIFF	DIFFERENCE OR DELTA	RFM	REVOLUTIONS PER MINUTE RPM
DSP	DRY STAND PIPE	RR	RETURN REGISTER
DWV	DRAIN, WASTE, VENT	RS	REFRIGERANT SUCTION
E	ENTERING	RS	SANITARY SOIL
EAT	ENTERING AIR TEMPERATURE	SA	SUPPLY AIR
EF	EXHAUST FAN	SD	STORM DRAIN
EFF	EFFICIENCY	SD	SUPPLY DIFFUSER
EJ	EXPANSION JOINT	SH	SENSIBLE HEAT
EL	ELEVATION	SHG	SENSIBLE HEAT GAIN
ENT	ENTERING	SHR	SENSIBLE HEAT RATIO
ER	EXHAUST REGISTER	SP	STATIC PRESSURE
F	FIRE (WET PIPE)	SPEC	SPECIFICATION
FCO	FLOOR CLEANOUT	ST	STORM DRAIN
FD	FLOOR DRAIN	T STAT	THERMOSTAT
FD	FIRE DAMPER	TD	TEMPERATURE DIFFERENCE
FDC	FIRE DEPARTMENT CONNECTION	TE	TEMPERATURE ENTERING
FPM	FEET PER MINUTE	TEMP	TEMPERATURE
FPS	FEET PER SECOND	TO	TRANSFER GRILLE
FS	FIRE SPRINKLER	TL	TEMPERATURE LEAVING
FSD	FIRE/SMOKE DAMPER	TONS	TONS OF REFRIGERATION
FT	FOOT OR FEET	TOT HT	TOTAL HEAT
FT LB	FOOT-POUND	TW	TEMPERED WATER
G	GAS	U	UNDERCUT DOOR
GAL	GALLONS	UC	UNDERCUT DOOR
GPH	GALLONS PER HOUR	UH	UNIT HEATER
GPM	GALLONS PER MINUTE	V	VOLT (ELECTRICAL)
HB	HOSE BIBB	VA	VOLT AMPERE
HG	MERCURY	VD	VOLUME DAMPER
HP	HORSEPOWER	VEL	VELOCITY
HPS	HIGH PRESSURE STEAM	VENT	VENTILATION, VENT
HR	HOURS	VTR	VENT THRU ROOF
HVAC	HEATING, VENTILATION, AIR CONDITIONING	W	WASTE
HW	HOT WATER	WB	WET BULB
HW	HOT WATER RETURN (RECIRCULATING)	WB	WET BULB TEMPERATURE
HZ	FREQUENCY	WCO	WALL CLEANOUT
ID	DIAMETER, INSIDE	WH	WALL HYDRANT
KW	KILOWATT	WHA	WATER HAMMER ARRESTOR
LAT	LEAVING AIR TEMPERATURE	WT	WEIGHT
LBS	POUNDS	Z	ZONE
LF	LINEAR FEET		
LH	LATENT HEAT		
LHC	HEAT GAIN, LATENT		
LPS	LOW PRESSURE STEAM		

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AS BUILT
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