

HEATING, VENTILATING AND AIR CONDITIONING LEGEND, SYMBOLS AND ABBREVIATIONS

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DOUBLE LINE		SINGLE LINE		ABBREVIATIONS		EQUIPMENT IDENTIFICATION	
	SUPPLY AIR DUCT SECTION		CARBON FILTER	ABREVIATION	WORD OR TERM		EQUIPMENT IDENTIFICATION
	SUPPLY AIR DUCT END ELEVATION		PNEUMATIC PISTON OPERATED CONTROL DAMPER (ROUND DUCT)	AB	ABOVE	XX-XX-XXX-XX-XX	EQUIPMENT UNIQUE NUMBER (TWO DIGITS)
	RETURN OR EXHAUST AIR DUCT SECTION		PNEUMATIC DIAPHRAGM OPERATED CONTROL DAMPER (ROUND DUCT)	ACFM	AIR CUBIC FEET PER MINUTE	XX-XX	EQUIPMENT CODE (TWO LETTERS)
	RETURN OR EXHAUST AIR DUCT END ELEVATION		FIRE DAMPER	ACH	AIR CHANGES/HR	XXX-XX	ROOM NUMBER LOCATION (THREE DIGITS)
	OUTSIDE AIR DUCT SECTION		MOTOR OPERATED FIRE DAMPER	AFF	AIR FLOW MEASURING STATION	XX-XX	AREA LOCATION (TWO LETTERS)
	OUTSIDE AIR DUCT END ELEVATION		FLOW RATE METER	AFMS	ANALOG IN	XX-XX	SITE LOCATION (W-WASHINGTON)
	ROUND DUCT SECTION		MANUAL VOLUME DAMPER (PARALLEL BLADE SHOWN)	AI	ANALOG OUT		
	ROUND DUCT END ELEVATION		MANUAL VOLUME DAMPER (OPPOSED BLADE SHOWN)	AO	APPROXIMATE		
	BRANCH TAKEOFF (ADJUSTABLE EXTRACTOR SHOWN)		C/C=COOLING COIL	ARCH	ARCHITECTURAL		
	PROPORTIONAL THROAT (T) WITH TURNING VANES AND VOLUME CONTROL DAMPERS		H/C=HEATING COIL	ATM	ATMOSPHERE		
	PROPORTIONAL THROAT (T) WITH SPLITTER DAMPER		H/U=HUMIDIFIER	AUTO	AUTOMATIC		
	TRANSITION RECTANGULAR TO ROUND		ELECTRIC HEATING COIL	BD	BACKDRAFT DAMPER		
	ELBOW WITH TURNING VANES		HEATING COIL WITH INTERNAL FACE & BY-PASS DAMPER	BEL	BELOW		
	RADIUS ELBOW		FAN OR BLOWER (W/INLET VANES SHOWN)	BF	BOTTOM FLAT		
	AIR FLOW DIRECTION (INTAKE, RETURN OR EXHAUST)		PROPELLER FAN	BHP	BRAKE HORSEPOWER		
	AIR FLOW DIRECTION (SUPPLY)		IN-LINE FAN	BLDG	BUILDING		
	DOOR LOUVER		GRAVITY ROOF SUPPLY OR EXHAUST VENT	BOD	BOTTOM OF DUCT		
	DOOR UNDERCUT		UNIT HEATER	BOG	BOTTOM OF GRILLE		
	WALL LOUVER		VAV TERMINAL UNIT	BOL	BOTTOM OF LOUVER		
	DUCT PENETRATION TAG		FLOW CONTINUATION ARROW	BOP	BOTTOM OF PIPE		
	PIPE PENETRATION TAG		SOUND TRAP	BOR	BOTTOM OF REGISTER		
	SQUARE SUPPLY CEILING DIFFUSER WITH FLEXIBLE DUCT (FACE SIZE, NECK SIZE AND NUMBER OF DIRECTIONS SHOWN)		VANE AXIAL FAN	BOT	BOTTOM		
	FLEXIBLE DUCT		HF-1, HEPA FILTER OUTLET, 580 CFM, 48"x24" (TYP)	BOU	BOTTOM OF UNIT		
			HF-2, HEPA FILTER OUTLET, 290 CFM 24"x24" (TYP)	BTUH	BRITISH THERMAL UNITS PER HOUR		
			ROOM TEMPERATURE TRANSMITTER				

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	5-15-98	CP				ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION	DRAWN	CLP	6-24-96
CHECKED	ENGINEER		
PROJ			

AS-BUILT DRAWINGS

100 WEST WALNUT STREET
PASADENA, CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 1 - HANFORD, WASHINGTON

TITLE	HVAC LEGEND & ABBREVIATIONS	SCALE	NONE	CONTRACT NUMBER	PP150969	PROJECT NUMBER	8094
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