

MECHANICAL LEGEND

PIPING LEGEND

SOIL OR WASTE	INDIRECT DRAIN	ROOF DRAIN LINE	STORM DRAIN	FIRE PROTECTION WATER SUPPLY	SPRINKLER MAIN	DOMESTIC COLD WATER	DOMESTIC HOT WATER (140 F)	DOMESTIC HOT WATER RETURN (140 F)	COMPRESSED AIR (INSTRUMENT)	NATURAL GAS (LOW PRESSURE)	CHILLED WATER SUPPLY	CHILLED WATER RETURN	HEATING WATER SUPPLY	HEATING WATER RETURN	CONDENSER WATER SUPPLY	CONDENSER WATER RETURN	POOL SUPPLY	POOL MAIN DRAIN	POOL GUTTER DRAIN	POOL VACUUM	WHIRLPOOL FILTER SUPPLY	WHIRLPOOL MAIN DRAIN	WHIRLPOOL SKIMMER DRAIN	WHIRLPOOL JET SUPPLY	WHIRLPOOL JET RETURN	WHIRLPOOL OVERFLOW DRAIN	WHIRLPOOL MAKE-UP	WHIRLPOOL VENTURI	WHIRLPOOL BLOWER	RISE DOWN (ELBOW)	RISE UP (ELBOW)	RISE OR DROP	TEE DOWN	TEE UP	TOP CONNECTION	BOTTOM CONNECTION	SIDE CONNECTION	REDUCER (ECCENTRIC)	REDUCER (CONCENTRIC)	CAP OR BLIND FLANGE	CLEANOUT (WALL)	CLEANOUT PLUG	CLEANOUT (FLOOR)	CLEANOUT TO GRADE	GATE VALVE	FLOW CONTROL VALVE	GLOBE VALVE	CHECK VALVE	BACKWATER VALVE	CONTROL VALVE, 2-WAY PNEUMATIC	CONTROL VALVE, 2-WAY ELECTRICAL	BALL VALVE	BUTTERFLY VALVE	CONTROL VALVE, 3-WAY PNEUMATIC	CONTROL VALVE, 3-WAY ELECTRICAL	PRESSURE REDUCING VALVE	ANGLE VALVE	ASME RELIEF VALVE	BACKFLOW PREVENTION DEVICE	P & T RELIEF (PRESSURE & TEMPERATURE)	WATER HAMMER ARRESTOR	STRAINER ("Y" TYPE)	VACUUM BREAKER	HOSE BTBB	WALL HYDRANT	AIR VENT	AIR VENT (AUTOMATIC)
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PIPING LEGEND (CONTINUED)

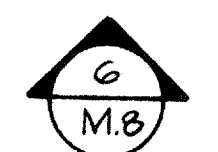
FLOW (IN DIRECTION OF ARROW)	PIPE ANCHOR	PIPE SLEEVE (THRU WALL, FOOTING, ETC.)	PIPE ALIGNMENT GUIDE	LINE PITCH (DOWN IN DIRECTION OF ARROW)	EXPANSION JOINT (END ANCHOR)	EXPANSION JOINT (CENTER ANCHOR)	THERMOMETER	THERMOMETER WELL	PRESSURE GAUGE WITH GAUGE COCK	PLUG COCK	UNION	ORIFICE FLOWMETER (FLANGED)	VENTURI FLOWMETER	FLEXIBLE PIPE CONNECTION	FLOW TUBE	PRESSURE REDUCING STATION	DISTANCE FROM FF TO TOP ON UNINSULATED PIPE	DISTANCE FROM FF TO BOT ON INSULATED PIPE
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FIRE PROTECTION LEGEND

SPRINKLER ALARM VALVE	WATER MOTOR ALARM	FIRE DEPARTMENT CONNECTION
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PLUMBING FIXTURE LEGEND

LAVATORIES	WATER CLOSERS	URINALS	SERVIC SINKS/BASINS	SINKS	WATER COOLER/DRINKING FOUNTAINS	SHOWER HEADS & OTHER SPECIALTY ITEMS	FLOOR DRAINS	AREA DRAINS	HUB DRAIN	SHOWER DRAIN	ROOF DRAIN
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RE. G/M.B REFER TO DETAIL #G, DRAWING M.B
 REFER TO SECTION #G, DRAWING M.B

HVAC LEGEND

NEW RECTANGULAR DUCTWORK	DUCT DIMENSIONS (WIDTH X DEPTH SHOWN)	NEW ROUND DUCT (DIAMETER SHOWN)	ACOUSTICAL DUCT LINING	FLEXIBLE DUCTWORK (INSULATED)	FLEXIBLE DUCT CONNECTION	DUCT SECTION (SUPPLY)	DUCT SECTION (RETURN)	INCLINED RISE, IN DIRECTION OF AIR FLOW	INCLINED DROP, IN DIRECTION OF AIR FLOW	VANE TURN ELBOW AND AIR SPLITTER TYPE	DUCT TAKE-OFF	VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)	VANED ELBOW (SHORT RADIUS)	STANDARD RADIUS ELBOW	SIDEWALL SUPPLY GRILLE OR REGISTER (REVERSE ARROW INDICATES EXHAUST OR RETURN)	CEILING DIFFUSER SQUARE PATTERN (NO ARROWS SHOWN INDICATES FOUR-WAY PATTERN)	CEILING DIFFUSER ROUND PATTERN (NO ARROWS SHOWN INDICATES FOUR-WAY AIR PATTERN)	LINEAR DIFFUSER (NO ARROWS SHOWN INDICATES TWO-WAY AIR PATTERN)	EXHAUST REGISTER OR GRILLE (CEILING)	EXHAUST BOTTOM REGISTER OR GRILLE (WALL TYPE)	EXHAUST OR RETURN TOP REGISTER OR GRILLE (WALL TYPE)	RETURN AIR REGISTER OR GRILLE (CEILING)	RETURN AIR, BOTTOM REGISTER OR GRILLE (WALL TYPE)	DAMPERS: O/A - OUTSIDE AIR DAMPER R/A - RETURN AIR DAMPER B.D. - BACKDRAFT DAMPER F.D. - FIRE DAMPER M.D. - MANUAL DAMPER MTR.D. - MOTOR DAMPER REL.D. - RELIEF DAMPER S.D. - SMOKE DAMPER G.D. - GRAVITY DAMPER	ACCESS DOOR
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HVAC CONTROL DEVICE LEGEND

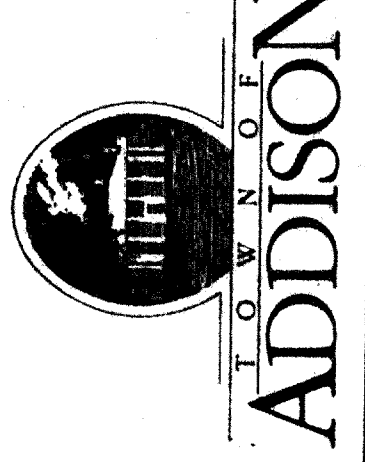
ROOM CONTROL - THERMOSTAT, HUMIDISTAT	REMOTE HUI B THERMOSTAT	DUCT OR PIPE THERMOSTAT	DUCT THERMOSTAT WITH AVERAGING ELEMENT	ROOM SENSOR, TEMPERATURE, HUMIDITY	DUCT OR PIPE TEMPERATURE SENSOR	DUCT HUMIDITY SENSOR	DUCT DEWPOINT SENSOR	DUCT STATIC PRESSURE SENSOR	DUCT TEMPERATURE SENSOR WITH AVERAGING ELEMENT	SMOKE DETECTOR	TEMPERATURE SENSING ELEMENT FOR TRANSMITTING TEMPERATURE TO INDICATOR ON T/CP	SENSOR WITH AVERAGING ELEMENT TO TRANSMIT TEMPERATURE TO T/CP	CONTROL AIR MAIN	ELECTRO PNEUMATIC (EP) SWITCH	HEATING COIL IN MOTOR STARTER	RELAY COIL	CONTACT, NORMALLY OPEN (N.O.)	CONTACT, NORMALLY CLOSED (N.C.)	SWITCH	PILOT LIGHT (RED)	CONTROL CIRCUIT CONNECTION
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ABBREVIATIONS

A	ABOVE FINISHED FLOOR	A.F.F.	ADDENDUM	ADD	AIR CONDITIONING, ED	AIR COND. OR A/C	AIR HANDLING UNIT	AHU	ALARM	ALM	ALUMINUM	AL	AMERICAN NATIONAL STANDARDS INSTITUTE	ANSI	AMPERE (AMP, AMPS)	AMP	ANGLE	<	ARCHITECT, ARCHITECTURAL	ARCH	I	INCHES	IN	INSIDE DIAMETER	ID	INTERNATIONAL PIPE STANDARD	IPS	IRON PIPE SIZE	IPS	JANITORS CLOSET	JAN CLO	K	KILOWATT	KW	KILOWATT HOUR	KWH	M	MANUFACTUR(E, ER, ED)	MFG	MARK	MK	MECHANICAL	MECH	MINIMUM	MIN	MOUNTING	MTG	MOUNTED	MTD	N	NORMALLY CLOSED	NC	NORMALLY OPEN	NO	NORTH	N	NOT APPLICABLE OR AVAILABLE	N/A	NOT TO SCALE	NTS	NUMBER	NO	O	OUTSIDE AIR	O/A	OUTSIDE DIAMETER	OD	P	PERCENT	%	PHASE (ELEC.)	PH	PLATE	PL	PLUMBING	PLMB	POUNDS PER SQUARE INCH	PSI	PRESSURE	PRESS	PRESSURE DROP	PD	PRESSURE REDUCING VALVE	PRV	PRESSURE, STATIC	SP	R	RADIUS	R	RECTANGULATE	RECIRC	REDUCER	RED	REFRIGERANT (12, 22, ETC)	R12, R22	REGISTER	REG	RELIEF VALVE	RV	RELIEF AIR	REL/A	RETURN AIR	R/A	REVOLUTIONS PER MINUTE	RPM	ROUND	Ø OR RD	ROOF DRAIN	RD	ROOF DRAIN LEADER	ROL	ROOF DRAIN DOWN SPOUT	RD DS	S	SCHEDULE(D)	SCH OR SCHED	SPECIFICATION(S)	SPEC	SQUARE FOOT/FEET	SQ FT	SQUARE INCH	SQ IN	STAINLESS STEEL	SS	STANDARD	STD	STATIC PRESSURE	SP	STRUCTURAL	STRUCT	SUCTION	SUCT	SUPPLY AIR	S/A	SUPPORT	SUP	SUSPENDED CEILING	SUSP CLG	T	TEMPERATURE	TEMP	TEMPERATURE DIFFERENCE	TD	THERMOSTAT	T OR T-STAT	THROUGH	THRU	TYPICAL	TYP	U	UNDERWRITERS LABORATORIES	UL	UNFINISHED	UNFIN	UNIT HEATER	UH	V	VALVE	V	VARIABLE AIR VOLUME	VAV	VENT THRU ROOF	VTR	VOLT	V	W	WATER	W	WATER HEATER	WH	WATER PRESSURE REDUCING STATION	WPRS	WATT	W	WITH	W/	Y	YARD	YD	Z	ZONE	Z
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SHEET NO.	
BASE	
COMPOSITE	
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revisions	
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