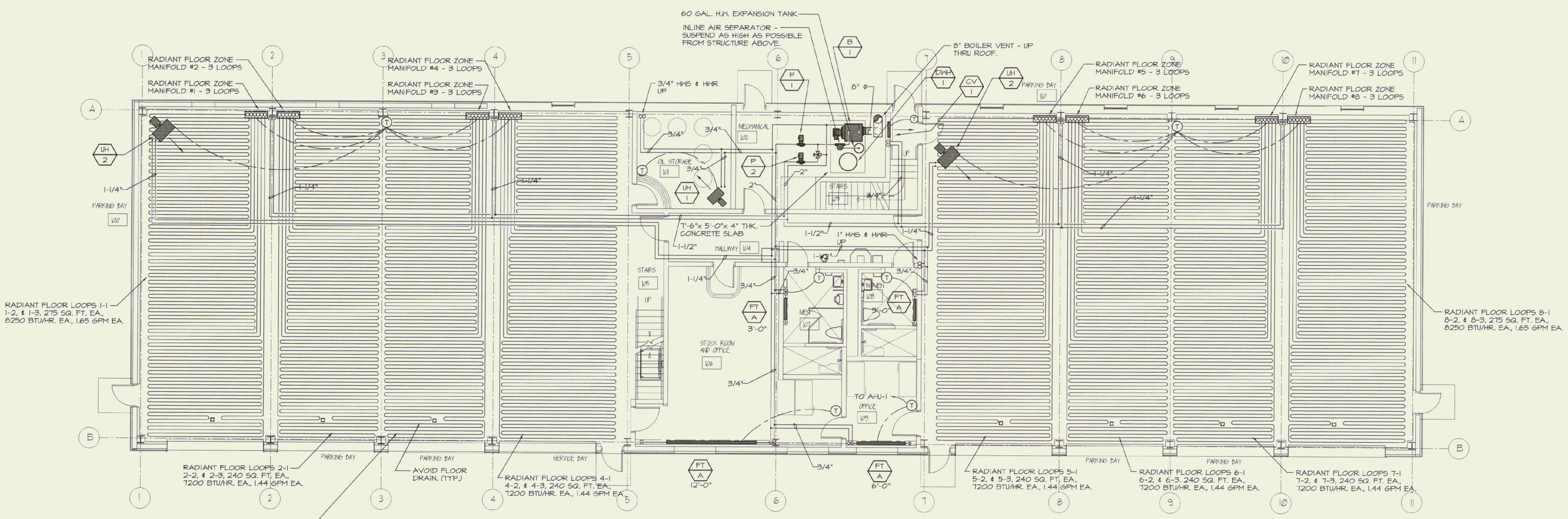
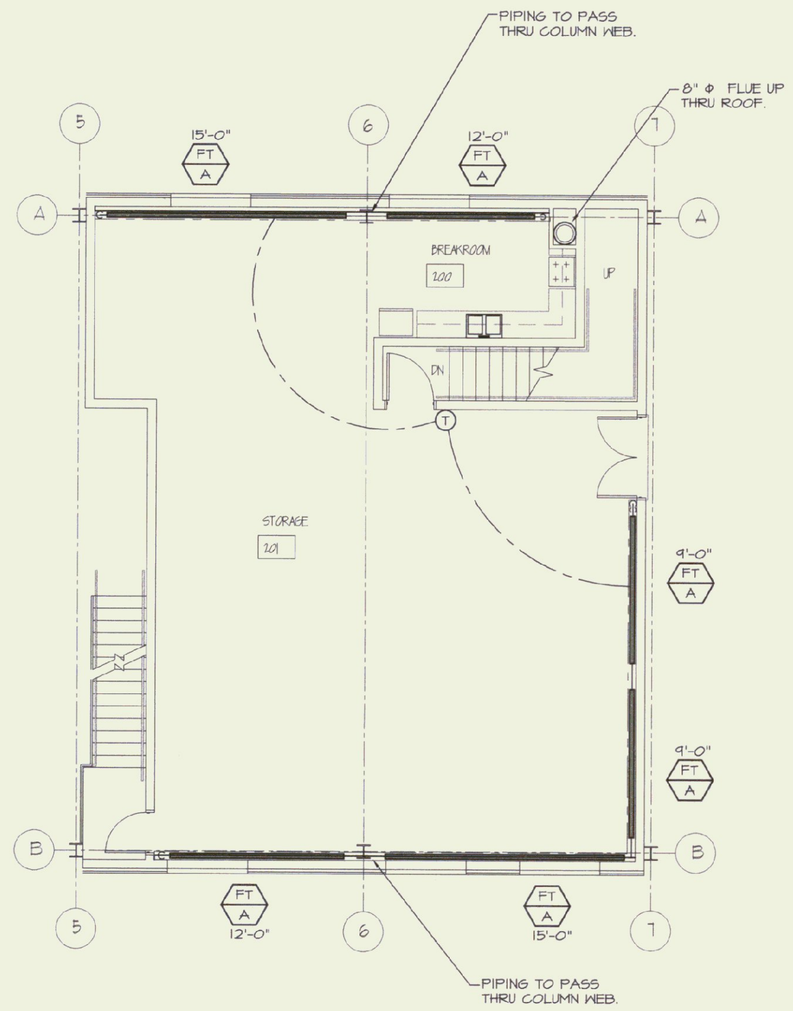


MAIN LEVEL MECHANICAL PIPING PLAN
SCALE: 1/8" = 1'-0"



UPPER LEVEL MECHANICAL PIPING PLAN
SCALE: 1/8" = 1'-0"

HVAC SYMBOL LIST

ALL SYMBOLS ARE NOT NECESSARILY USED

LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
MPC	MEDIUM PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
HPC	HIGH PRESSURE CONDENSATE
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HPWR	HEAT PUMP WATER RETURN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
CS	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
PC	PUMPED CONDENSATE
BF	BOILER FEED
BBD	BOILER BLOW DOWN
D	DRAIN
ATV	ATMOSPHERIC VENT
VAC	VACUUM
RD	REFRIGERANT DISCHARGE
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RHG	REFRIGERANT HOT GAS
A	COMPRESSED AIR
G	GAS
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
FOF	FUEL OIL FILL
FOG	FUEL OIL GAUGE
	DOMESTIC COLD WATER (CW)
	DIRECTION OF FLOW
	REDUCER
	CAP OR PLUG
	BOTTOM CONNECTION/TURN AWAY
	TOP CONNECTION/TURN TOWARDS
	UNION (OR FLANGE)
	VALVE (SHUT OFF)
	GLOBE VALVE
	CHECK VALVE
	CONTROL VALVE (2-WAY)
	PRESSURE RELIEF VALVE
	CONTROL VALVE (3-WAY)
	TRIPLE DUTY VALVE
	PRESSURE REDUCING VALVE

	BALANCING COCK
	FLOW BALANCER
	STRAINER
FT	THERMOSTATIC TRAP ASSEMBLY
FT T	FLOAT & THERMOSTIC TRAP ASSEMBLY
BT	BUCKET TRAP ASSEMBLY
TD	THERMODYNAMIC TRAP
	THERMOMETER
	PRESSURE GAUGE
V	AIR VENT
	THERMOMETER/TEST/CONTROL WELL
R1	PIPE PITCH UP/INCLINE RISE
D1	PIPE PITCH DOWN/INCLINE DROP
	FINNED TUBE RADIATION ELEMENT
W/M ENCL.	WALL TO WALL FIN TUBE ENCLOSURE
	TRANSITION-SQUARE TO ROUND
	SUPPLY DUCT SECTION
	RETURN OR EXHAUST DUCT SECTION
	ROUND DUCT SECTION
FD	FIRE DAMPER
BD	BACKDRAFT DAMPER
SD	SMOKE DAMPER
	VOLUME DAMPER
MD	MANUAL DAMPER
MOD	MOTOR OPERATED DAMPER
CFM	CUBIC FEET/MINUTE
FPM	FEET/MINUTE
NTS	NOT TO SCALE
DSD	DUCT SMOKE DETECTOR
MBH	THOUSAND BTU/HOUR
(E)	EXISTING
T	THERMOSTAT
T_E	ELECTRIC THERMOSTAT
T_2	WITH MULTIPLE SET POINTS
T_G	WITH A GUARD
T_S	TEMPERATURE SENSOR
S	STATIC PRESSURE SENSOR
H	HUMIDISTAT
UCD	UNDERCUT DOOR (1" BY THE G.C.)
L 9	LOUVERED DOOR, INDICATES SQ. FT. FREE AREA
	AIR FLOW
	ACOUSTIC THERMAL LINING
	SOUND ATTENUATOR
	WORK TO BE REMOVED
	NEW TO EXISTING CONNECTION
TYPE CFM SIZE	REGISTER, DIFFUSER, OR GRILLE DESIGNATION

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AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

AGENCY OF TRANSPORTATION
HIGHGATE MAINTENANCE FACILITY
HIGHGATE
AIRPORT ROAD, HIGHGATE, VERMONT

REVISIONS

SCALE: AS SHOWN
DATE: 09/24/01
DRAWN BY: MAM
APPR. BY: MDV

HIGHGATE
MAINTENANCE GARAGE
MECHANICAL FLOOR PLAN

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