

































HVAC ABBREVIATIONS

[illegible]

HVAC EQUIPMENT

GRILLE REGISTER, OR DIFFUSER	FC	SPLIT SYSTEM HEAT PUMP INDOOR UNIT
<div style="text-align: center;"> # CFM </div>	<div style="text-align: center;"> FC </div>	<div style="text-align: center;"> FC </div>

HVAC SYMBOLS - DUCTWORK

	BREKTHRU ROUND DUCT		ACCESS DOOR
	BREKTHRU RECTANGULAR DUCT		FLEXIBLE CONNECTION
	SUPPLY AIR RISER		DUCT SMOKE DETECTOR
	SUPPLY AIR FLOOR OR ROOF PENETRATION		SNAPOFF FIRE DAMPER
	SUPPLY AIR DROP		VOLUME DAMPER
	RETURN EXHAUST OR OUTSIDE AIR RISER		ATC CONTROL DAMPER
	RETURN EXHAUST OR OUTSIDE AIR PENETRATION		BACKDRAFT DAMPER
	RETURN EXHAUST OR OUTSIDE AIR DROP		FIRE DAMPER WITH ACCESS DOOR
	TRANSITION FROM RISER		90° RADIUS ELBOW
	BRANCH DUCT WITH TOP TANGENT AND VOLUME DAMPER		45° RADIUS ELBOW
	RECTANGULAR DUCT SIZE (HEIGHT x WIDTH)		90° ELBOW WITH TURNING VANES
	ROUND DUCT SIZE		BRANCH DUCT WITH TOP TANGENT AND VOLUME DAMPER
	ACOUSTICAL LINING		EXHAUST DUCT
	EXHAUST DUCT TO BE REMOVED (REMO)		FLEXIBLE DUCT
	SUPPLY OF FUSER		SLOT OF FUSER
	RETURN OR EXHAUST OF FUSER		SIDE WALL OF FUSER

HVAC SYMBOLS - CONTROLS

(T) THERMOSTAT OR TEMPERATURE SENSOR

HVAC SYMBOLS - PIPING

	TOP TEE/OFF		GATE VALVE
	BOTTOM TEE/OFF		BALL VALVE
	PIPE TEE (ELBOW UP)		BUTTERFLY VALVE
	PIPE TEE (ELBOW DOWN)		GLOBE VALVE
	FLOW DIRECTION		PLUG VALVE
	REDUCER		3 WAY ATC VALVE
	SUPPLY PIPE		2 WAY ATC VALVE
	RETURN PIPE		CHECK VALVE
	EXIT TEE (SUPPLY)		PRESSURE REGULATING VALVE
	EXIT TEE (RETURN)		GATE VALVE (S&Y)
	GAS		STEAM VALVE WITH HOSE
	CONDENSATE DRAIN		RELIEF VALVE
	REFRIGERANT GAS		AUTOMATIC FILL VALVE
	REFRIGERANT SUCTION		THERAPY VALVE
	REFRIGERANT LIQUID		BACKFLOW PREVENTER
	CHILLED WATER RETURN		SHOWERING VALVE
	CONDENSER WATER SUPPLY		VENT WITH NON-BACKFLOW DISCHARGE
	HOT WATER SUPPLY		GAS SHUT-OFF VALVE
	LOW PRESSURE RETURN		STEAM TRAP
	VENT WITH BACKFLOW DISCHARGE		STRAINER
	MIXER FOR PROPANE GAS		STRAINER WITH BACKFLOW HOSE END THREADED
	MIXER FOR WATER		PIPE CAP
	THERMOMETER		MOMENT GAUGE
	PRESSURE GAUGE		EXPANSION JOINT
	PRESSURE GAUGE WITH THERMOMETER (HYDRONE SYSTEMS)		FLEXIBLE CONNECTION
	PRESSURE GAUGE WITH THERMOMETER & GAUGE COOK (STEAM SYSTEMS)		AIR VENT
	AIR VENT WITH SHUT-OFF		PIPE SUPPORT CURB
	COOK		PIPE ANCHOR

COMMON SYMBOLS

PLAN NORTH

SECTION ID

SHEET NO. WHERE SECTION IS

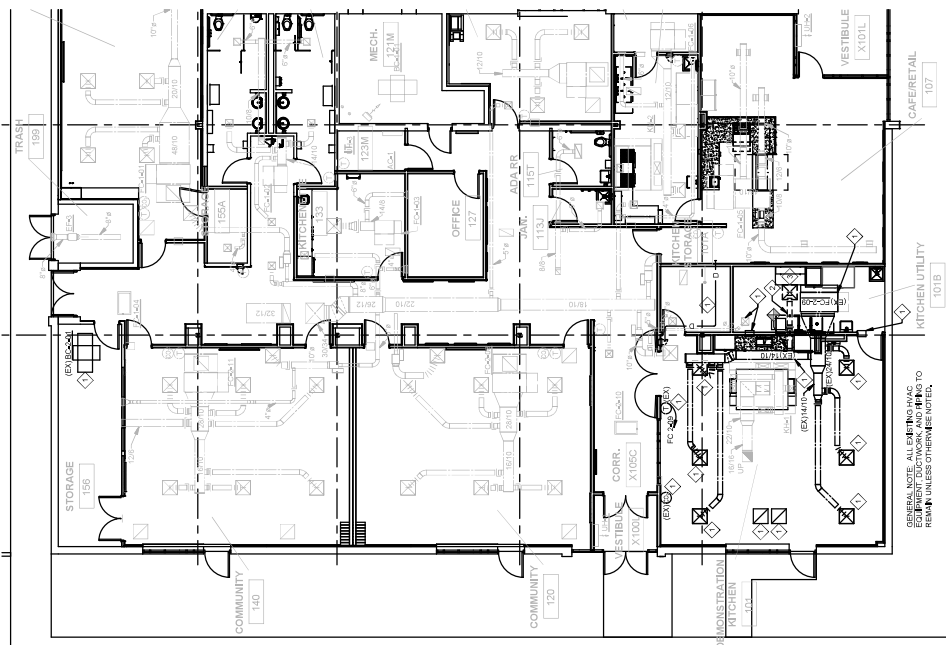
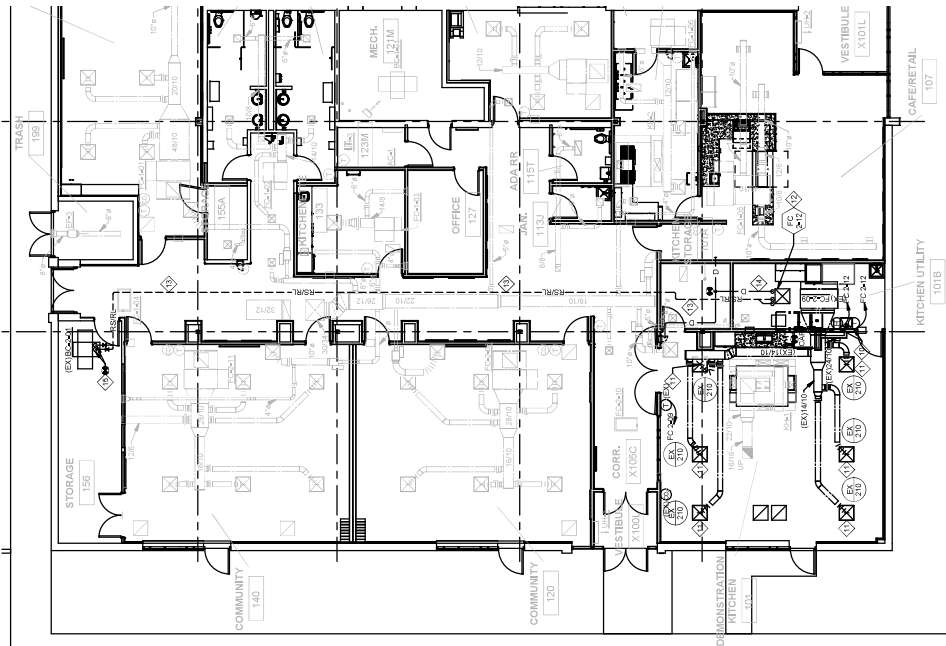
DIRECTIONAL VIEW OF SECTION

REVISION CLOUD

DRAWING LIST

M-001	HVAC Notes, Abbreviations and Symbols
M-002	HVAC Specifications
M-003	MECHANICAL Notes and Specifications

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SEE NOTE ALL SPACING
OF THIS PLAN IS TO
REMA UNLESS OTHERWISE NOTED.