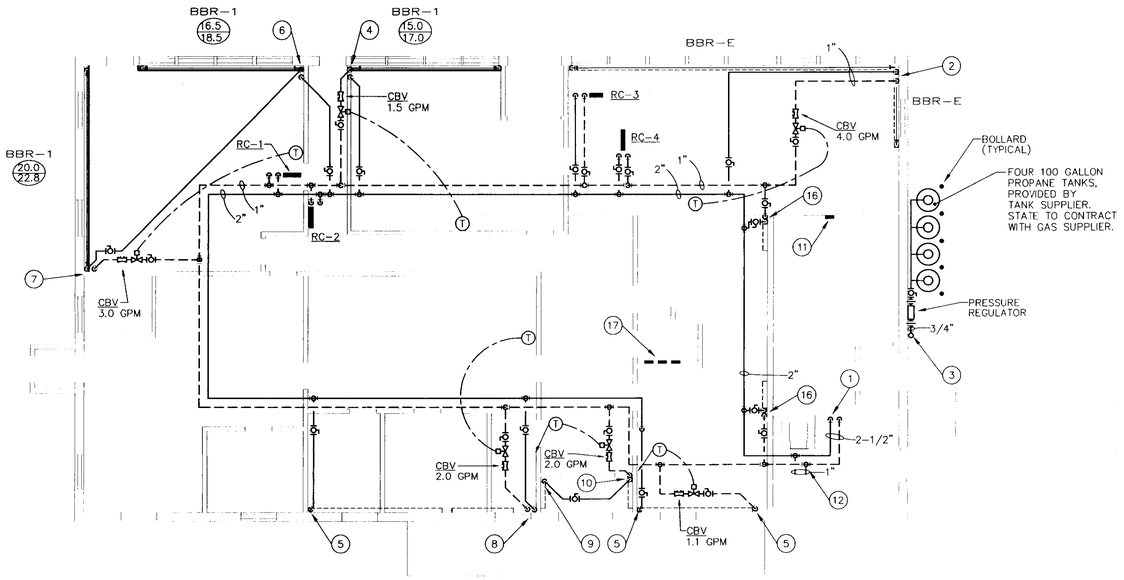
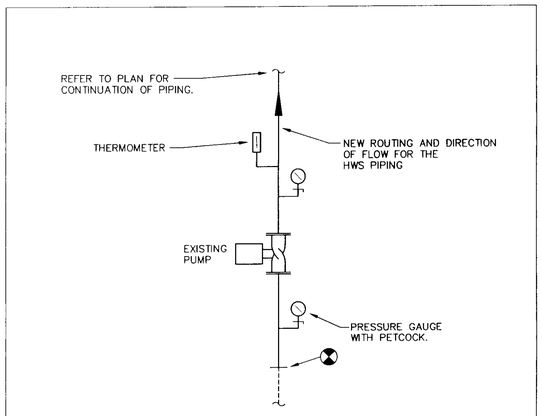


FLOOR PLAN – PIPING

SCALE: 1/8" = 1'-0"



1 / M2 PUMP ARRANGEMENT PIPING DIGRAM

GENERAL NOTES:

A. THE EXISTING FACILITY WILL BE OCCUPIED AND FUNCTIONING DURING THE ENTIRE DURATION OF CONSTRUCTION. CARE SHALL BE TAKEN WHEN WORKING IN OR AROUND OCCUPIED SPACES. THERE WILL BE NO INTERRUPTION IN HVAC SYSTEMS OR UTILITIES WITHOUT WRITTEN REQUEST TO, AND APPROVAL FROM THE OWNER.

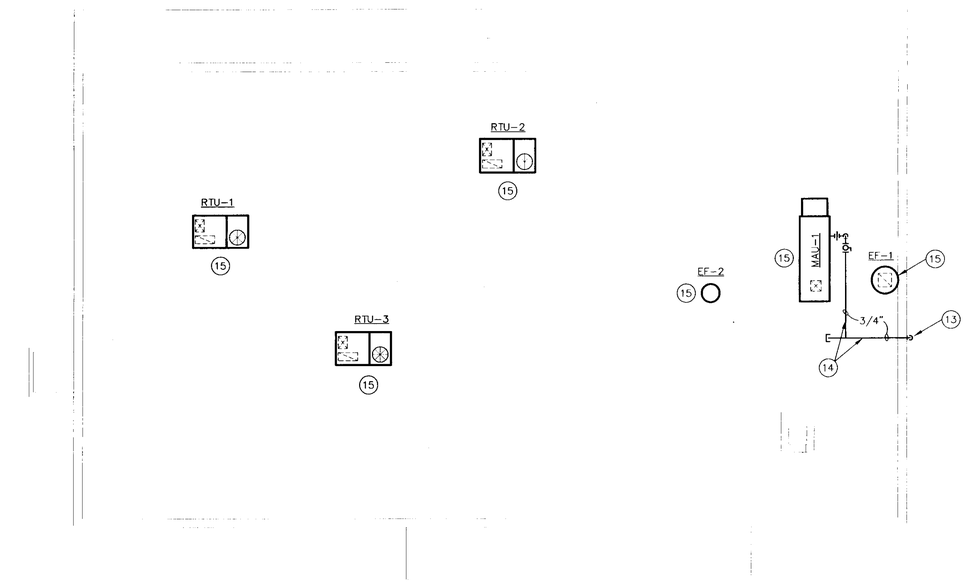
B. ALL HWS & HWR RUNOUTS TO BASEBOARD RADIATION AND/OR OTHER HEATING DEVICES TO BE A MINIMUM OF 3/4" IN SIZE, UNLESS OTHERWISE NOTED.

C. MC TO COORDINATE WITH GC FOR FINAL PLACEMENT OF ALL PIPING TO BE LOCATED IN CHASES AND WALLS.

D. ALL HWS AND HWR PIPING TO BE RUN IN-BETWEEN THE OPEN WEB JOISTS.

KEYED NOTES:

1. RECONNECT TO EXISTING 2-1/2" HWS AND HWR AND RISE UP TO IN-BETWEEN THE OPEN-WEB STEEL JOISTS AND RUN AS SHOWN. REINSTALL PUMP AND ACCESSORIES AS PER ORIGINAL WORK. REFER TO DETAIL 1/M2 FOR CONNECTIONS AND PIPING ROUTING.
2. 1" HWS AND HWR PIPING DOWN AND UP IN CHASE TO SERVE EXISTING BASEBOARD RADIATION. REFER TO BASEBOARD RADIATION PIPING DETAIL FOR PIPING CONNECTIONS. MODIFY ENCLOSURE AS REQUIRED FOR NEW PIPING.
3. 3/4" LP GAS LINE UP SIDE OF BUILDING TO ROOF. PROVIDE SHUT OFF VALVE ON LEAVING SIDE OF PRESSURE REGULATOR. REFER TO FLOOR PLAN FOR CONTINUATION. SUPPORT PIPE EVERY 5'-0" VERTICALLY.
4. HWS AND HWR PIPING IN WALL TO SERVE BASEBOARD RADIATION. REFER TO BASEBOARD RADIATION PIPING DETAIL FOR PIPING CONNECTIONS.
5. HWS AND HWR PIPING IN CHASE TO SERVE EXISTING HEATING DEVICE. RECONNECT EXISTING HWS AND HWR PIPING OF HEATING DEVICE TO NEW PIPING IN CHASE. PROVIDE BALL VALVES IN PIPING ABOVE CEILING FOR SHUT-OFF PURPOSES.
6. HWS PIPING DOWN IN CHASE TO SERVE BASEBOARD RADIATION. HWR FROM BASEBOARD BACK IN BASEBOARD AND UP IN CHASE TO SERVE BASEBOARD RADIATION ON OTHER WALL.
7. HWS PIPING DOWN IN CHASE TO SERVE BASEBOARD RADIATION. HWR PIPING UP IN CHASE FROM BASEBOARD RADIATION. REFER TO BASEBOARD PIPING DETAIL FOR PIPING CONNECTIONS.
8. 3/4" HWR UP FROM BASE BOARD FIN TUBE RADIATION IN CHASE. 3/4" HWS DOWN IN CHASE TO SERVE CONVECTOR IN ENTRY VESTIBULE. RADIATION IN FAA OFFICE.
9. 3/4" HWS UP FROM CONVECTOR INTO CEILING SPACE TO SERVE OTHER CONVECTOR.
10. HWS PIPING DOWN IN CHASE TO SERVE EXISTING HEATING DEVICE. HWR PIPING FROM HEATING DEVICE UP IN CHASE AND RUN AS SHOWN.
11. LOCATION OF CONTROL PANEL FOR KITCHEN MAKE-UP AIR AND KITCHEN HOOD EXHAUST FAN. COORDINATE WITH EC.
12. RECONNECT 1" HWS AND HWR TO EXISTING HWS AND HWR PIPING TO SERVE EXISTING OFFICE.
13. 3/4" LP GAS LINE DOWN SIDE OF BUILDING TO BELOW. REFER TO FLOOR PLAN-PIPING FOR CONTINUATION.
14. SUPPORT GAS PIPING WITH 4x4x12 INCH LONG PRESSURE TREATED LUMBER LAID ON TOP OF ROOF. RIGIDLY SUPPORT PIPE TO LUMBER. PROVIDE SLIP SHEET UNDER SLEEPER.
15. MC TO COORDINATE WITH GC FOR INSTALLATION OF EQUIPMENT.
16. HWS AND HWR PIPING IN CHASE TO SERVE EXISTING HEATING DEVICE. RECONNECT EXISTING HWS AND HWR PIPING OF HEATING DEVICE TO NEW PIPING IN CHASE. PROVIDE BALL VALVES IN PIPING ABOVE CEILING FOR SHUT-OFF PURPOSES. PROVIDE CBV IN CEILING SPACE ON HWR PIPING FOR BALANCING PURPOSES. BALANCE CBV TO 2.0 GPM. UNITS TO BE CONTROLLED WITH SELF-CONTAINED CONTROL VALVES LOCATED WITHIN CABINET ENCLOSURE.
17. LOCATION OF ROOFTOP UNIT CONTROLLERS. MOUNT AT 5'-0" AFF. COORDINATE FINAL LOCATIONS WITH OWNER, EC AND GC.



ROOF PLAN – EQUIPMENT AND PIPING

SCALE: 1/8" = 1'-0"

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DEPARTMENT OF BUILDINGS and GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

E. F. KNAPP AIRPORT TERMINAL
BERLIN, VERMONT

MECHANICAL RENOVATIONS

DATE:	SCALE:	REVISIONS:	CAD FILE:	DWG NO.
7/21/2000	AS SHOWN		KNAPPH2	M-2
DRAWN BY: TJY	APPROVED BY: E.E.P.		SHEET: 4 OF 8	