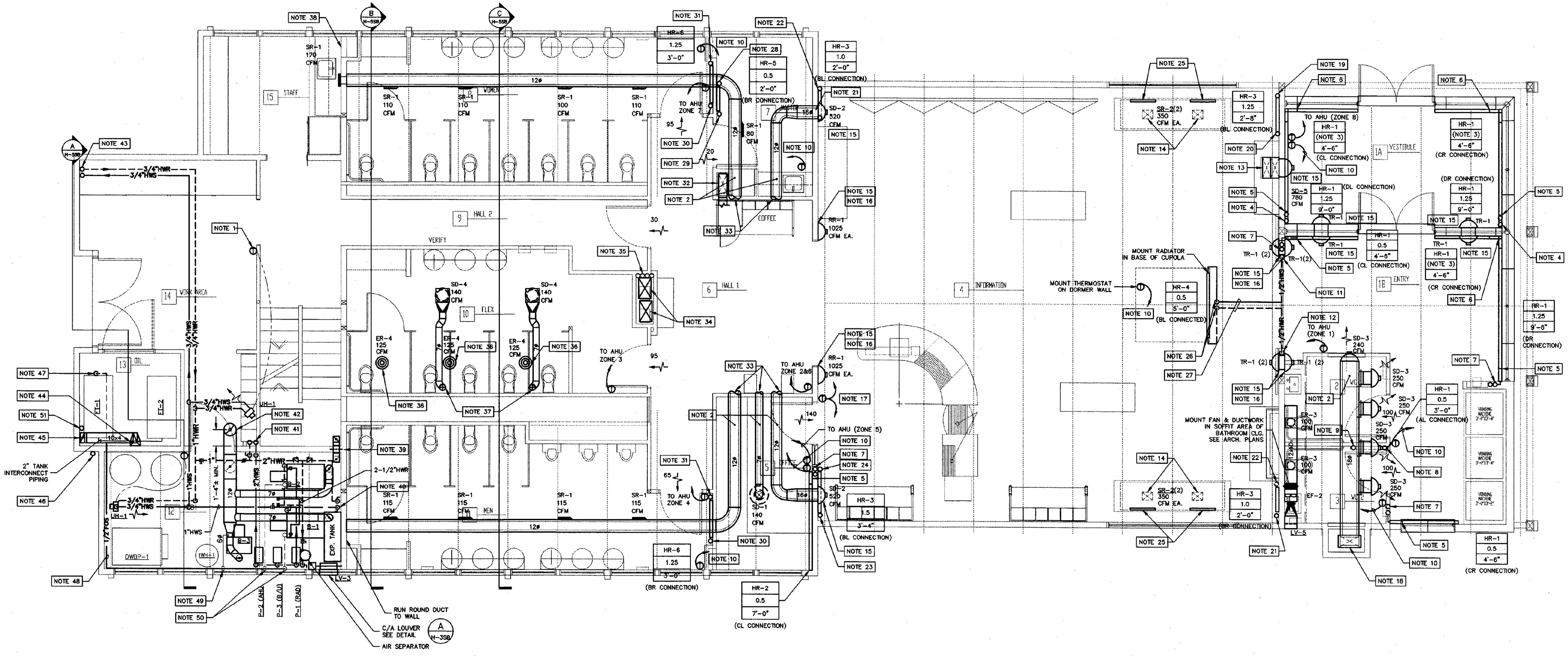
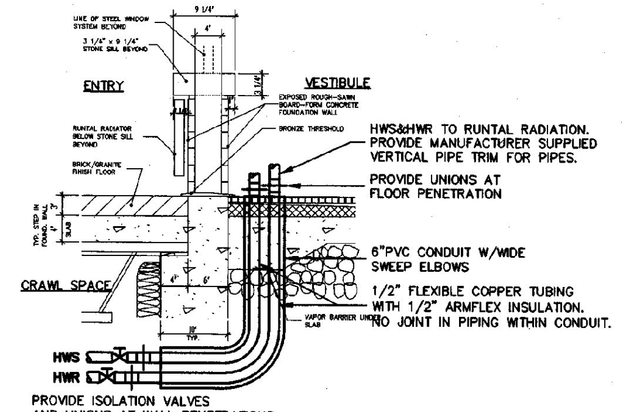


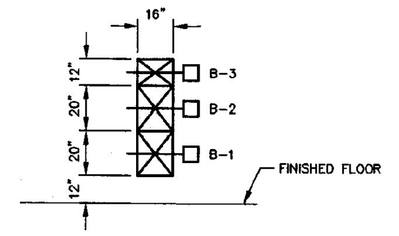
MAIN FLOOR HVAC PLAN

SCALE: 1/4"=1'-0"

NOTES:

1. MECHANICAL CONTRACTOR SHALL PROVIDE LINE VOLTAGE THERMOSTATS TO ELECTRICAL CONTRACTOR FOR MOUNTING AND WIRING. MECHANICAL CONTRACTOR TO FURNISH AND INSTALL LINE VOLTAGE AQUASTAT ON PIPING, ELECTRICAL CONTRACTOR TO WIRE.
2. ALL EXPOSED DOUBLE WALL DUCTWORK AT THIS LEVEL SHALL BE SPIRAL TYPE CONSTRUCTED OF ALUMINUM. SEE SPECIFICATIONS.
3. RADIATORS ARE IN SERIES (3 LOCATIONS) CONNECTED WITH END TRIM. GPM SHOWN FOR THIS SECTION IS THE SAME AS CONNECTED SECTION.
4. 1/2"HWS&R UP FROM CRAWL SPACE THROUGH BELOW SLAB PVC CONDUIT. SEE DETAIL B ON DRAWING H-3SB.
5. PROVIDE 12" LONG RADIATOR MANUFACTURER SUPPLIED END TRIM.
6. PROVIDE 12"x12" LONG RADIATOR MANUFACTURER SUPPLIED INSIDE CORNER TRIM.
7. 1/2"HWS&R UP IN WALL FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. ROUTE PIPING INSIDE WALL AND CONNECT TO RADIATOR PER DETAIL ON DRAWINGS H-9SB.
8. 1/2"HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. CONNECT DIRECTLY TO RADIATOR. PROVIDE RADIATOR MANUFACTURER SUPPLIED VERTICAL PIPE TRIM FOR PIPING ABOVE SLAB.
9. 1/2"HWR UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. CONNECT DIRECTLY TO RADIATOR. PROVIDE RADIATOR MANUFACTURER SUPPLIED VERTICAL PIPE TRIM FOR PIPING ABOVE SLAB.
10. TO CONTROL VALVE IN HW LINE IN CRAWL SPACE. SEE DRAWING H-2SB.
11. 1/2"HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. ROUTE PIPING INSIDE WALL TO PEAK.
12. 1/2"HWR UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. ROUTE PIPING INSIDE WALL TO PEAK.
13. 20x8 S/A DUCT UP FROM CRAWL SPACE BELOW. SEE H-2SB FOR CONTINUATION. IMMEDIATELY ABOVE FLOOR PENETRATION OFFSET DUCTWORK BACK TO WALL TO MINIMIZE INTRUSION WITHIN DISPLAY CASE.
14. 10x8 S/A DUCTS UP FROM CRAWL SPACE. SEE H-2SB FOR CONTINUATION. TERMINATE DUCTS OPEN ENDED INTO PLENUM BELOW SEAT AT FLOOR PENETRATION. SEE ARCHITECTURAL DETAILS OF PLENUM.
15. FOR ELEVATION OF WALL MOUNTED DIFFUSER, RETURN REGISTER OR TRANSFER GRILLE, SEE ARCHITECTURAL DRAWINGS.
16. (2) RETURN REGISTERS (OR TRANSFER GRILLES) ALIGNED VERTICALLY. SEE ARCHITECTURAL DRAWINGS.
17. THIS THERMOSTAT CONTROLS (2) CONTROL VALVES SERVING (4) HR-3'S IN INFORMATION AREA.
18. 20x12 S/A DUCT DOWN TO CRAWL SPACE. SEE DRAWING H-2SB FOR CONTINUATION.
19. 1/2"HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. OFFSET PIPING BACK TO WALL AND CONNECT TO HR-3.
20. 1/2"HWR UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. OFFSET PIPING BACK TO WALL AND CONNECT TO HR-3.
21. 1/2"HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. CONNECT TO HR-3.
22. 1/2"HWR UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. CONNECT TO HR-3.
23. 3/4"HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. CONNECT TO HR-3.
24. 3/4"HWR UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION.
25. REGISTERS LOCATED IN REAR (WINDOW SIDE) OF BENCH. SEE ARCHITECTURAL DETAILS FOR EXACT LOCATIONS.
26. 1/2"HWS&R PIPING TO RISE UP AND RUN HORIZONTALLY DIRECTLY BELOW HR-2. SHOWN OFFSET FOR DRAFTING CLARITY ONLY.
27. PIPING TO RUN AT PEAK. COORDINATE OPENINGS IN ROOF TRUSSES WITH GENERAL CONTRACTOR. SEE ARCHITECTURAL PLANS.
28. 1/2"HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. CONNECT TO HR-5.
29. 1/2"HWR UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. CONNECT TO HR-5.
30. 1/2"HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. CONNECT TO HR-6.
31. 1/2"HWR UP FROM CRAWL SPACE BELOW. SEE H-2SB FOR CONTINUATION. CONNECT TO HR-6.
32. 20x8 S/A DUCT UP FROM CRAWL SPACE BELOW. SEE H-2SB FOR CONTINUATION.
33. FOR CONTINUATION OF S/A DUCTWORK SEE LOFT PLAN, DRAWING H-4SB.
34. (2) 20x12 S/A DUCTS UP FROM CRAWL SPACE BELOW AND UP TO LOFT. SEE DRAWINGS H-2SB AND H-4SB FOR CONTINUATION. ROUTE DUCTWORK INSIDE CHASE.
35. (2) REFRIGERANT SUCTION AND (2) REFRIGERANT LIQUID LINES FROM CRAWL SPACE BELOW AND UP TO LOFT. SEE DRAWINGS H-2SB AND H-4SB FOR CONTINUATION. RUN PIPING INSIDE CHASE.
36. 10"ø E/A DUCT DOWN FROM LOFT. SEE DRAWING H-4SB FOR CONTINUATION.
37. 7"ø S/A DUCT DOWN FROM LOFT. SEE DRAWING H-4SB FOR CONTINUATION. ROUTE SINGLE WALL DUCTWORK IN CEILING SPACE (BETWEEN JOISTS) TO DIFFUSERS AS SHOWN.
38. ROUTE ROUND DUCTWORK TO WALL. PROVIDE 12x6 CONNECTION TO SR-1 THROUGH WALL.
39. 8x8 E/A DUCT UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION. ROUTE DUCTWORK THROUGH BOILER ROOM WALL (PROVIDE FIRE DAMPER AT WALL PENETRATION) AND UP. SEE DRAWING H-4SB FOR CONTINUATION.
40. 2"HWS&R UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2SB FOR CONTINUATION.
41. 2"HWS&R UP. SEE DRAWING H-4SB FOR CONTINUATION.
42. 12"ø BOILER FLUE UP. SEE DRAWING H-4SB FOR CONTINUATION.
43. 3/4"HWS&R UP. SEE DRAWING H-4SB FOR CONTINUATION.
44. 10x4 E/A DUCT DOWN TO 8"± AFF. TERMINATE OPEN ENDED. ROTATE ORIENTATION OF DUCTWORK AND ROUTE AS SHOWN.
45. 10x4 E/A DUCT UP THROUGH ROOF OF FUEL TANK STORAGE ROOM. PROVIDE FIRE DAMPER AT PENETRATION. SEE DRAWING H-4SB FOR CONTINUATION OF DUCTWORK.
46. 2" OIL FILL PIPE WITH LOCKABLE CAP.
47. 1/2"FOS. ROUTE UNDER STORAGE TANK.
48. ROUTE 1/2" FOS PIPING 12" AFF.
49. ROUTE FOS PIPING TO B-3 ON FLOOR.
50. ROUTE FOS PIPING TO B-1 AND B-2 IN FLOOR SLAB.
51. 1-1/2" FUEL OIL VENT UP. SEE DRAWING H-4SB FOR CONTINUATION.





A H-3SB LOW COMBUSTION AIR LOUVER DETAIL (LV-3)

SCALE: 1/4"=1'-0"

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STATE OF VERMONT RICHARD J. LAMARA NO. 7179 PROFESSIONAL ENGINEER 1/17/01

No.	DATE	REVISION

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Hallam Associates
60 Parrell Street, Suite 300
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WILLISTON INFORMATION CENTER
189 SOUTHBOUND
STATE PROJECT # IM-BLDG (4)

MAIN FLOOR HVAC PLAN

DRAWN:	PROJ.No:
J.LAMOTHE	10215
CHECKED:	DATE:
M.COOK	JAN 15, 2001

H-3sb