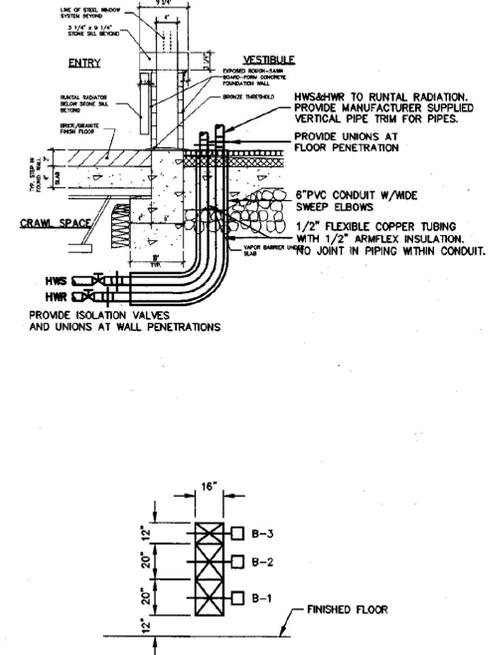


MAIN FLOOR HVAC PLAN
SCALE: 1/4"=1'-0"

- NOTES:
- 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.
 - ALL EXPOSED DOUBLE WALL DUCTWORK AT THIS LEVEL SHALL BE SPIRAL TYPE CONSTRUCTED OF ALUMINUM. SEE SPECIFICATIONS.
 - RADIATORS ARE IN SERIES (3 LOCATIONS) CONNECTED WITH END TRIM. GPM SHOWN FOR THIS SECTION IS THE SAME AS CONNECTED SECTION.
 - 1/2" HWS&R UP FROM CRAWL SPACE BELOW. SPACE THROUGH BELOW SLAB PVC CONDUIT. SEE DETAIL B ON DRAWING H-3NB.
 - PROVIDE 12" LONG RADIATOR MANUFACTURER SUPPLIED END TRIM.
 - PROVIDE 12"x12" LONG RADIATOR MANUFACTURER SUPPLIED INSIDE CORNER TRIM.
 - 1/2" HWS&R UP IN WALL FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. ROUTE PIPING INSIDE WALL AND CONNECT TO RADIATOR PER DETAIL ON DRAWINGS H-3NB.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. CONNECT DIRECTLY TO RADIATOR. PROVIDE RADIATOR MANUFACTURER SUPPLIED VERTICAL PIPE TRIM FOR PIPING ABOVE SLAB.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. CONNECT DIRECTLY TO RADIATOR. PROVIDE RADIATOR MANUFACTURER SUPPLIED VERTICAL PIPE TRIM FOR PIPING ABOVE SLAB.
 - TO CONTROL VALVE IN HW LINE IN CRAWL SPACE. SEE DRAWING H-2NB.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. ROUTE PIPING INSIDE WALL TO PEAK.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. ROUTE PIPING INSIDE WALL TO PEAK.
 - 20x10 S/A DUCT UP FROM CRAWL SPACE BELOW. SEE H-2NB FOR CONTINUATION. IMMEDIATELY ABOVE FLOOR PENETRATION OFFSET DUCTWORK BACK TO WALL TO MINIMIZE INTRUSION WITHIN DISPLAY CASE.
 - 10x8 S/A DUCTS UP FROM CRAWL SPACE. SEE H-2NB FOR CONTINUATION. TERMINATE DUCTS OPEN ENDED INTO PLENUM BELOW SEAT AT FLOOR PENETRATION. SEE ARCHITECTURAL DETAILS OF PLENUM.
 - FOR ELEVATION OF WALL MOUNTED DIFFUSER, RETURN REGISTER OR TRANSFER GRILLE. SEE ARCHITECTURAL DRAWINGS.
 - (2) RETURN REGISTERS (OR TRANSFER GRILLES) ALIGNED VERTICALLY. SEE ARCHITECTURAL DRAWINGS.
 - THIS THERMOSTAT CONTROLS (2) CONTROL VALVES SERVING (4) HR-3'S IN INFORMATION AREA.
 - 20x12 S/A DUCT DOWN TO CRAWL SPACE. SEE DRAWING H-2NB FOR CONTINUATION.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. OFFSET PIPING BACK TO WALL AND CONNECT TO HR-3.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. OFFSET PIPING BACK TO WALL AND CONNECT TO HR-3.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. CONNECT TO HR-3.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. CONNECT TO HR-3.
 - 3/4" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. CONNECT TO HR-3.
 - 3/4" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION.
 - REGISTERS LOCATED IN REAR (WINDOW SIDE) OF BENCH. SEE ARCHITECTURAL DETAILS FOR EXACT LOCATIONS.
 - 1/2" HWS&R PIPING TO RISE UP AND RUN HORIZONTALLY DIRECTLY BELOW HR-2. SHOWN OFFSET FOR DRAFTING CLARITY ONLY.
 - PIPING TO RUN AT PEAK. COORDINATE OPENINGS IN ROOF TRUSSES WITH GENERAL CONTRACTOR. SEE ARCHITECTURAL PLANS.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. CONNECT TO HR-5.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. CONNECT TO HR-5.
 - 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. CONNECT TO HR-6.

- 1/2" HWS UP FROM CRAWL SPACE BELOW. SEE H-2NB FOR CONTINUATION. CONNECT TO HR-6.
- 20x10 S/A DUCT UP FROM CRAWL SPACE BELOW. SEE H-2NB FOR CONTINUATION.
- FOR CONTINUATION OF S/A DUCTWORK SEE LOFT PLAN, DRAWING H-4NB.
- (2) 20x12 S/A DUCTS UP FROM CRAWL SPACE BELOW AND UP TO LOFT. SEE DRAWINGS H-2NB AND H-4NB FOR CONTINUATION. ROUTE DUCTWORK INSIDE CHASE.
- (2) REFRIGERANT SUCTION AND (2) REFRIGERANT LIQUID LINES FROM CRAWL SPACE BELOW AND UP TO LOFT. SEE DRAWINGS H-2NB AND H-4NB FOR CONTINUATION. RUN PIPING INSIDE CHASE.
- 10" E/A DUCT DOWN FROM LOFT. SEE DRAWING H-4NB FOR CONTINUATION.
- 1/2" S/A DUCT DOWN FROM LOFT. SEE DRAWING H-4NB FOR CONTINUATION. ROUTE SINGLE WALL DUCTWORK IN CEILING SPACE (BETWEEN JOISTS) TO DIFFUSERS AS SHOWN.
- ROUTE ROUND DUCTWORK TO WALL. PROVIDE 12x6 CONNECTION TO SR-1 THROUGH WALL.
- 8x8 E/A DUCT UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION. ROUTE DUCTWORK THROUGH BOILER ROOM WALL (PROVIDE FIRE DAMPER AT WALL PENETRATION) AND UP. SEE DRAWING H-4NB FOR CONTINUATION.
- 2" HWS&R UP FROM CRAWL SPACE BELOW. SEE DRAWING H-2NB FOR CONTINUATION.
- 2" HWS&R UP. SEE DRAWING H-4NB FOR CONTINUATION.
- 12" BOILER FLUE UP. SEE DRAWING H-4NB FOR CONTINUATION.
- 3/4" HWS&R UP. SEE DRAWING H-4NB FOR CONTINUATION.
- 10x4 E/A DUCT DOWN TO 8" AFF. TERMINATE OPEN ENDED. ROTATE ORIENTATION OF DUCTWORK AND ROUTE AS SHOWN.
- 10x4 E/A DUCT UP THROUGH ROOF OF FUEL TANK STORAGE ROOM. PROVIDE FIRE DAMPER AT PENETRATION. SEE DRAWING H-4NB FOR CONTINUATION OF DUCTWORK.
- 2" OIL FILL PIPE WITH LOCKABLE CAP.
- 1/2" FOS. ROUTE UNDER STORAGE TANK.
- ROUTE 1/2" FOS PIPING 12" AFF.
- ROUTE FOS PIPING TO B-3 ON FLOOR.
- ROUTE FOS PIPING TO B-1 AND B-2 IN FLOOR SLAB.
- 1-1/2" FUEL OIL VENT UP. SEE DRAWING H-4NB FOR CONTINUATION.



LOW COMBUSTION AIR LOUVER DETAIL (LV-3)
SCALE: 1/4"=1'-0"

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No.	DATE	REVISION

WILLISTON INFORMATION CENTER
189 NORTHBOUND
STATE PROJECT # IM-BLDG (4)

MAIN FLOOR HVAC PLAN

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

H-3nb

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