

SEE SHEET M2 FOR HVAC OF OFFICES

MISCELLANEOUS MECHANICAL NOTES:

- A. DO NOT ROUTE DUCT/PIPING ABOVE ELECTRICAL PANELS. MAINTAIN ALL CODE REQUIRED CLEARANCES.
- B. COORDINATE ALL ROOF AND WALL PENETRATIONS WITH GENERAL CONTRACTOR. SEAL PENETRATIONS WEATHER TIGHT.
- C. ROUTE DUCTS UP IN JOIST SPACE WHEREVER POSSIBLE. CONTRACTOR SHALL COORDINATE ALL DUCT AND PIPE ROUTING WITH ALL OTHER TRADES. PROVIDE ALL ADDITIONAL OFFSETS AND TRANSITIONS AS REQUIRED TO COMPLETE INSTALLATION.
- D. LOCATE VOLUME DAMPERS IN ACCESSIBLE LOCATIONS.
- E. ALL LP GAS PIPING SIZED FOR 2-PSIG. PROVIDE LBS TO OZ GAS PRESSURE REGULATORS FOR ALL APPLIANCES. VENT REGULATORS TO OUTSIDE.

SPECIFIC MECHANICAL NOTES:

1. SET UNIT ON STRUCTURAL STEEL STAND TO ELEVATE INTAKE 48" ABOVE GRADE.
2. MOUNT FANS 18" A.F.F. COORDINATE EXACT LOCATION WITH PROCESS EQUIPMENT.
3. INTERLOCK MAKEUP AIR UNIT WITH EXHAUST FAN.
4. 2-PSIG PRESSURE REGULATOR.
5. 10-PSIG LP UNDERGROUND MAIN BY PROPANE SUPPLIER.
6. PROVIDE KNOCK-OUT POT WITH 8" MESH MIST ELIMINATOR - AMISTCO (OR EQUAL). PROVIDE 6" FLEXIBLE PVC HOSE REINFORCED WITH SPRING STEEL WIRE HELIX - RUBBERCAL, R-2 (OR EQUAL). PROVIDE WITH ISOLATION DAMPER. CONNECT TO PROCESS TANK PER MANUFACTURER'S INSTRUCTIONS. TRANSITION AS REQUIRED.

SPECIFIC MECHANICAL NOTES (CONTINUED):

7. PROVIDE LOCAL AUDIBLE ALARM TO SOUND UPON FAN FAILURE.
8. PROVIDE 6" FLEXIBLE PVC HOSE REINFORCED WITH SPRING STEEL WIRE HELIX - RUBBERCAL, R-2 (OR EQUAL). PROVIDE WITH ISOLATION DAMPER. CONNECT TO SUMP PER MANUFACTURER'S INSTRUCTIONS. TRANSITION AS REQUIRED.
9. INSTALL RADIANT HEATER PER MANUFACTURER'S RECOMMENDATIONS. MAINTAIN CLEARANCE TO COMBUSTIBLES. MOUNT AS HIGH AS POSSIBLE. BOTTOM OF HEATER SHALL BE MINIMUM 12" O.A.F.F. SUPPORT FROM STRUCTURE PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT LOCATION WITH LIGHTS AND STRUCTURE.
10. 4" FLUE THROUGH SIDEWALL. PROVIDE HIGH WIND VENT CAP. INSTALL PER NFPA 54 REQUIREMENTS. SEAL PENETRATION WEATHER TIGHT. COORDINATE PENETRATIONS WITH METAL BUILDING SUPPLIER.

SPECIFIC MECHANICAL NOTES (CONTINUED):

11. 4" FLUE THROUGH ROOF. PROVIDE HIGH WIND VENT CAP. INSTALL PER NFPA 54 REQUIREMENTS. SEAL PENETRATION WEATHER TIGHT. COORDINATE PENETRATIONS WITH METAL BUILDING SUPPLIER.
12. EXHAUST DUCT OPEN 12" A.F.F.
13. PROVIDE KNOCK-OUT POT WITH 30" MESH MIST ELIMINATOR - AMISTCO (OR EQUAL). INSTALL PER MANUFACTURER'S INSTRUCTIONS. TRANSITION AS REQUIRED.
14. PROVIDE WATERPROOF THERMOSTAT SUITABLE FOR WET LOCATIONS.
15. EXHAUST DUCT UP THROUGH ROOF. PROVIDE HIGH WIND WEATHER CAP. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE PENETRATION WITH STRUCTURE AND METAL BUILDING SUPPLIER. SEAL PENETRATION WEATHER TIGHT.
16. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
17. PROVIDE 3/4" CONDENSATE PIPING TO NEAREST FLOOR DRAIN.

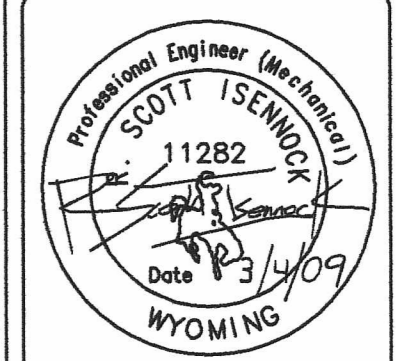
**HVAC - PLANT**  
SCALE: 1/8" = 1'-0"

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REVISIONS		
#	DESCRIPTION	DATE

**PLANT FLOOR PLAN - HVAC**  
**LOST CREEK ISR**  
**PROCESSING PLANT**  
NEAR BARTOIL, WYOMING

PROJECT#:	C08028
CADFILE:	C08028 M1
DESIGNED:	SI
DRAWN:	JM
APPROVED:	SI
DATE:	3/4/09



SHEET:  
**M1**  
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