

PLAN NOTES:

- I) INSTALL FURNACE ON 12" HIGH RETURN AIR PLENUM. SEE DETAIL ON SHEET M-2.
- 2) RISE (2) 3"¢ FURNACE FLUES UP THRU METAL ROOF TO VERTICAL VENT TERMINATION ASSEMBLY NEAR PEAK
- OF ROOF. SEE DETAIL ON SHEET M-2.

 (3) INSTALL OUTDOOR AIR LOUVER AS HIGH AS POSSIBLE
- ON GABLE END.

 (4) RUN IOXIO OUTSIDE AIR DUCT FROM LOUVER ACROSS
- AS HIGH AS POSSIBLE IN ATTIC SPACE.
- 5) DROP IOXIO OA DUCT DOWN THRU CEILING MECH. ROOM AND RUN EXPOSED AT CEILING TO SERVE FURNACES F-I, F-2 AND F-3 AS SHOWN.
- 6 DROP 8x6 OA DUCT DOWN FROM CEILING AND CONNECT TO RETURN AIR PLENUM. INSTALL HAND DAMPER, ACCESS PANEL AND MOTORIZED DAMPER I VERTICAL PORTION OF 8x6 OA DUCT. INTERLOCK MOTORIZED DAMPER WITH FURNACE OPERATION. BALANCE HAND DAMPER TO 200 CFM.
- 7 DROP 8x6 OA DUCT DOWN FROM CEILING AND CONNECT TO RETURN AIR PLENUM. INSTALL HAND DAMPER, ACCESS PANEL AND MOTORIZED DAMPER IN VERTICAL PORTION OF 8x6 OA DUCT. INTERLOCK MOTORIZED DAMPER WITH FURNACE OPERATION. BALANCE HAND DAMPER TO 150 CFM.
- 8 DROP 6x6 OA DUCT DOWN FROM CEILING AND CONNECT TO RETURN AIR PLENUM. INSTALL HAND DAMPER, ACCESS PANEL AND MOTORIZED DAMPER I VERTICAL PORTION OF 6x6 OA DUCT. INTERLOCK MOTORIZED DAMPER WITH FURNACE OPERATION. BALANCE HAND DAMPER TO 80 CFM.
- (9) 4" THICK CONCRETE PAD FOR CONDENSING UNITS BY GENERAL CONTRACTOR.
- (IO) COVER EXPOSED REFRIGERANT PIPING WITH 18 GA.
 GALVANIZED SHEET METAL COMPLETE WITH 24 GA.
 PREFINISHED METAL SKIN. SEE DETAIL ON SHEET M-3
- (II) RUN REFRIGERANT PIPING FROM CONDENSING UNITS / OUTDOOR UNIT TO EXTERIOR WALL AND RISE UP IN STUD SPACE TO ATTIC SPACE. RUN IN ATTIC SPACE ACROSS TO MECH. ROOM AND SLEEPING ROOMS. DROP PIPING DOWN THRU CEILING AND CONNECT TO DX COOLING COIL ON FURNACES AND HEAT PUMPS AS SHOWN. SEE CONDENSING UNIT SCHEDULE AND REFRIGERANT PIPING DIAGRAM AND DETAILS ON SHEET M-2 AND M-3 FOR PIPE SIZES.
- (12) MOUNT UNIT HEATER AT 10'-0" A.F.F IN LOCATION SHOWN. CAREFULLY COORDINATE FINAL LOCATION WITH OVERHEAD DOOR HARDWARE AND OTHER TRADES.
- (13) RUN (2) 4" PUNIT HEATER FLUES THRU SIDEWALL TO HORIZONTAL VENT TERMINATION ASSEMBLY AS PER MANUFACTURER'S INSTRUCTIONS. SEE DETAIL ON SHEET M-2.
- (14) RISE IOX4 EA DUCT UP THRU FLOOR OF MEZZANINE ABOVE TO SLOPED ROOF CAP AND SEAL ROOF PENETRATION WEATHERTIGHT.

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
T	ELECTRONIC THERMOSTAT
FC	EQUIPMENT SYMBOL
	ELECTRIC WALL HEATER
1 → HD	HAND DAMPER
	ROUND BRANCH DUCT WITH HAND DAMPER
苗	RECTANGULAR SUPPLY AND RETURN AIR DUCT TAKE-OFF
	TURNING VANES
	DUCT TRANSITION
+	INSULATED FLEXIBLE DUCT
	SIDEWALL REGISTER SUPPLY OR RETURN AIR
	RETURN AIR OR EXHAUST GRILLE
	CEILING DIFFUSER
ā	CEILING MOUNTED EXHAUST FAN
	GAS FIRED FURNACE
	AIR COOLED CONDENSING UNIT



Incers

201
esa@engsystems.com

Soci

neered

wayne Sudweeks ter – Pocatello, Idaho 83201 (208) 233–0529 email: esa@engs

Dwayne Sudwee 1355 East Center — Pocatell 1233—0501 Fax: (208) 233—05

135 Phone: (208) 233–05

GOODING FIRE DEPARTN GOODING, IDAHO

MECHANICAL

Sep 20, 2019

DRWN. BY: CKD. BY:

SR DCS

JOB NO. DATE:

19055 AUG. 2019

| 19055 | AUG. 2019 | SHEET: | M = |