



FLOOR PLAN - HVAC

SCALE: 3/16"=1'-0"



CODED NOTES

- ① 20x16 O.A. DUCT FROM GIV #1 (ON ROOF) EXTEND DUCTWORK AS SHOWN. MECHANICAL CONTRACTOR SHALL DROP DUCTWORK DOWN HALL TO APPROX. 24" A.F.F. COVER OPENING WITH 1/2"x1/2" WIRE MESH SCREEN. MECHANICAL CONTRACTOR SHALL INSTALL 1/2" THROAT AREA CURB. THROAT OF DUCTWORK TO OPEN WHEN EXHAUST FAN #1 IS OPERATING.
- ② GIV #1 (ON ROOF) GREENHECK MODEL F81-16x20 20x16 THROAT DIMENSIONS, 36"x27"x16" HIGH HOOD DIMENSIONS. 4.17 FT² THROAT AREA. FURNISH AND INSTALL ON PREMANUFACTURED ROOF CURB. UNIT SHALL HAVE BIRD SCREEN.
- ③ 16x16 EA DUCT UP TO EXHAUST FAN #1 (ON ROOF). MECHANICAL CONTRACTOR SHALL EXTEND DUCTWORK DOWN APPROX. 30" FROM ROOF PENETRATION. MECHANICAL CONTRACTOR SHALL INSTALL NOTORIZED AUTOMATIC DAMPER TO OPEN WHEN EXHAUST FAN #1 IS OPERATING.
- ④ EXHAUST FAN #1 (ON ROOF) GREENHECK 6-T123-VD 1600 CFM @ 0.5 IN S.P. (TOTAL CFM) 1/2 HP MOTOR (15/60/1a) 1539 FAN RPM MOUNT UNIT ON PREMANUFACTURED ROOF CURB. EXHAUST FAN SHALL HAVE 100 CFM AT STAGE 1, AND 1500 CFM AT STAGE 2. STAGE 1 SHALL BE IN OPERATION AT ALL TIMES. STAGE 2 WILL BE ENERGIZE WITH CO/NO2 DETECTOR.
- ⑤ COMBINATION CO/NO2 DETECTOR BRASCH BSS-NCH-TRNS UNIT TO START/STOP EXHAUST FAN #1 (ON ROOF) TO MAINTAIN GAS LEVELS UNDER REQUIREMENTS ETL LISTING. SUITABLE FOR GAS OR DIESEL ENGINES MOUNT DETECTOR 6'-0" A.F.F.
- ⑥ UNIT HEATER REZNOR UDAS 45 0.03 HP MOTOR (15/60/1a) 1550 FAN RPM. 1500 BTU GAS INPUT 3/8" GAS INLET EXTEND 4" TO COMBUSTION AIR AND 4" VENT UP THRU ROOF. TERMINATE WITH VERTICAL VENT TERMINAL/COMBUSTION AIR INLET ASSEMBLY. MOUNT UNIT FROM STRUCTURE WITH SPRING VIBRATION ISOLATORS. CONTROL FROM REMOTE TSTAT.

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