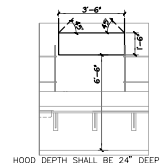


1 HVAC PLAN
M-101 1/4" = 1'-0"

2 EXHAUST HOOD
M-101



HOOD DEPTH SHALL BE 24" DEEP

- KEYED NOTES
1. NEW GAS HEAT ROOFTOP UNIT. CONTRACTOR TO REMOVE EXISTING ROOFTOP UNIT AND PLACE NEW UNIT IN EXISTING LOCATION. RE-USE EXISTING ROOF CURB IF POSSIBLE. PROVIDE NEW IF REQUIRED. VERIFY EXACT LOCATION OF EXISTING UNIT IN FIELD. LOCATION ON DRAWINGS IS APPROXIMATE ONLY - SEE SCHEDULE FOR BALANCING DETAILS.
 2. 24" x 42" W GALVANIZED SHEET METAL HOOD WITH 18" H VERTICAL APRON AT BOTTOM WHICH TAPERS UP TO DUCT SIZE AT THE CEILING (BOTTOM OF HOOD AT 6'-0" A.F.F.) SEE DETAIL 2/M-101. ROUTE 12" x 12" GENERAL EXHAUST DUCT UP FROM HOOD TO ROOF MOUNTED EXHAUST FAN ET-1. LOCATE EXHAUST FAN A MIN. OF 10'-0" AWAY FROM ANY FRESH AIR INTAKES. SEE DETAIL 1/M-201. ADD METAL SKIRT FROM APRON TO ACT CEILING ABOVE.
 3. PROVIDE THERMOSTAT FOR EXHAUST FAN IN EQUIPMENT ROOM. MOUNT AT 48" A.F.F. - THERMOSTAT SHALL BE SET TO 80°F. UPON A RISE IN ROOM TEMPERATURE ABOVE THE SETPOINT THE FAN SHALL ENERGIZE AND CONTINUE TO RUN UNTIL ROOM TEMPERATURE DROPS BELOW SETPOINT.
 4. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT, ECOBEE MODEL EMS-SL, FOR RTU CONTROL MOUNTED 4'-0" A.F.F. - THERMOSTAT SHALL HAVE AUTOMATIC NIGHT SET-BACK WITH 8°F DEADBAND, 2-HOUR OCCUPANT OVERRIDE, AND MIN. 10-HOUR BATTERY BACKUP. THERMOSTAT JUNCTION BOX PROVIDED BY E.C. THERMOSTAT AND WIRING BY M.C. OWNER PROGRAMMING: OCCUPIED COOLING 75°F, OCCUPIED HEATING 69°F, UNOCCUPIED COOLING 55°F, UNOCCUPIED HEATING 55°F.
 5. FLEX DUCT 8"-10" MAX LENGTH. TYPICAL FOR ALL FLEX TO BE THE SAME SIZE AS DIFFUSER NECK.
 6. VOLUME DAMPER AND SPIN-IN, TYPICAL FOR ALL TAKE-OFF TO BE THE SAME SIZE AS THE DIFFUSER NECK.
 7. PROVIDE NEW TOILET EXHAUST FAN WITH INTEGRAL BACK DRAFT DAMPER. MECHANICAL CONTRACTOR TO CONNECT 6" DUCT FROM THE EXHAUST FAN TO 8" DUCT AND EXTEND 8" DUCT THRU THE ROOF TO COOSENECK WITH BIRD SCREEN. LOCATE TOILET EXHAUST STACK SO THAT ALL ROOF PENETRATIONS OCCUR AT A MINIMUM OF TEN FEET (10'-0") AWAY FROM ANY MECHANICAL EQUIPMENT INTAKES OR OUTSIDE AIR INTAKE HOODS. USE LANDLORD DESIGNATED ROOFING CONTRACTOR FOR ALL ROOF WORK.
 8. PROVIDE NEW TOILET EXHAUST FAN WITH INTEGRAL BACK DRAFT DAMPER. MECHANICAL CONTRACTOR TO CONNECT 6" DUCT FROM THE EXHAUST FAN AND EXTEND 6" DUCT THRU THE ROOF TO COOSENECK WITH BIRD SCREEN. LOCATE EXHAUST STACK SO THAT ALL ROOF PENETRATIONS OCCUR AT A MINIMUM OF TEN FEET (10'-0") AWAY FROM ANY MECHANICAL EQUIPMENT INTAKES OR OUTSIDE AIR INTAKE HOODS. USE LANDLORD DESIGNATED ROOFING CONTRACTOR FOR ALL ROOF WORK.
 9. PROVIDE NEW EXHAUST FAN WITH INTEGRAL BACK DRAFT DAMPER. MECHANICAL CONTRACTOR TO CONNECT 8" DUCT FROM THE EXHAUST FAN AND EXTEND 8" DUCT THRU THE ROOF TO COOSENECK WITH BIRD SCREEN. LOCATE EXHAUST STACK SO THAT ALL ROOF PENETRATIONS OCCUR AT A MINIMUM OF TEN FEET (10'-0") AWAY FROM ANY MECHANICAL EQUIPMENT INTAKES OR OUTSIDE AIR INTAKE HOODS. USE LANDLORD DESIGNATED ROOFING CONTRACTOR FOR ALL ROOF WORK.
 10. PROVIDE 1" THROWAWAY MERV-8 FILTER IN RETURN GRILLE.
 11. BLANK-OFF SHADED PORTION OF DIFFUSER AS SHOWN.
 12. ROUTE 1" CONDENSATE PIPE W/ MIN. 3" DEEP P-TRAP TO LANDLORD APPROVED LOCATION. PROVIDE ALL FITTINGS PER LOCAL CODES AND LANDLORD REQUIREMENTS. VERIFY ROUTING AND LOCATION ON SITE.

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M. STERNETZ
E70181

PROJECT NO. 2020-030
DRAWN BY: **SRM**
CHECKED BY: **GS**

ISSUE: DATE:
PERMIT REVIEW SUBMITTAL 04-19-2023

REVISION: DATE:
CLIENT COMMENTS 06-16-2023
CLIENT REVISIONS 07-19-2023

PROJECT LOCATION:
CINCINNATI, OH

SHEET NUMBER / TITLE:
M-101
HVAC PLAN