1 M101 MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

MECHANICAL DRAWING NOTES

1 ROUTE 6"Ø EXHAUST DUCTWORK UP THROUGH ROOF AND TERMINATE WITH ROOF CAP. SEAL ROOF PENETRATION WEATHER TIGHT. TERMINATION SHALL BE MINIMUM 10'-0" FROM ANY OUTDOOR AIR INTAKE.
2 ROUTE SPLIT-SYSTEM COOLING UNIT CONDENSATE DRAIN THROUGH AND DOWN ALONG WALL TO DISCHARGE TO FLOOR DRAIN.
3 EXHAUST DUCTWORK SHALL BE WRAPPED WITH 3M FIRE BARRIER DUCT WRAP 615+, UL LISTED, 2-HR RATING. REFER TO MANUFACTURER'S INSTALLATION GUIDE.
4 APPROXIMATE LOCATION OF SPLIT-SYSTEM HEAT PUMP RACK ON ROOF. ATTACH HEAT PUMP TO RACK PER MANUFACTURER RECOMMENDATIONS. CONTRACTOR SHALL ROUTE REFRIGERANT PIPING DOWN THROUGH ROOF USING "PATE" PIPE CURB AND ROUTE TO INDOOR UNIT. SIZE REFRIGERANT PIPING PER MANUFACTURER RECOMMENDATIONS. SEAL ROOF PENETRATION WEATHER TIGHT.
5 MOUNT UNIT THERMOSTATS ON WALL. THERMOSTATS SHALL HAVE REMOTE TEMPERATURE SENSORS.
6 THERMOSTAT REMOTE TEMPERATURE SENSOR. PROVIDE AND INSTALL CONTROL WIRING TO ASSOCIATED RTU AND THERMOSTAT.
7 ROUTE 6"x6" EXHAUST DUCTWORK DOWN ALONG WALL. INSTALL LOW WALL EXHAUST GRILLE AT 12" A.F.F.
8 ROUTE 6"x6" EXHAUST DUCTWORK UP THROUGH ROOF AND CONNECT TO EXHAUST FAN. SEAL PENETRATION WEATHER TIGHT.
9 UNDERCUT DOOR 3/4" MINIMUM.
10 ROUTE 4"Ø DRYER EXHAUST TO ROOF DRYER VENT.
11 VERIFY ALL REQUIRED CLEARANCES FOR MAINTENANCE AS REQUIRED.
12 RTU CURB LOCATIONS ARE APPROXIMATED. COORDINATE CURB PLACEMENT WITH BUILDING STRUCTURE TO AVOID CONFLICTS.
13 CHANNEL SUPPORT FOR FUTURE CONDENSING UNIT TO BE INSTALLED IN THIS LOCATION DURING TENANT IMPROVEMENT BUILDOUT. REFER TO STRUCTURAL SHEETS FOR MOUNTING REQUIREMENTS.
14 ROUTE 18"x18" DUCTWORK TO BOTTOM OF STRUCTURE. TRANSITION TO DUCT SIZE SHOWN AT HORIZONTAL DUCT RUN. INSTALL SMOKE DETECTOR IN RETURN DUCTWORK DROP. SMOKE DETECTOR SHALL SHUT DOWN RTU UPON DETECTION OF SMOKE.
15 COORDINATE INITIAL MECHANICAL START-UP PER MANUFACTURER RECOMMENDATIONS AND PROVIDE TENANT WITH VALIDATION OF MECHANICAL START-UP.
16 NOT USED.
17 OFFSET RTU RETURN DUCT DROP TO FIT IN BETWEEN STRUCTURE. COORDINATE IN FIELD.

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HEARTLAND DENTAL
1200 NETWORK CENTRE DRIVE
EFFINGHAM, ILLINOIS 62401

HEARTLAND DENTAL - CINCINNATI, OH

HEARTLAND PROJECT #SN2313660
4801 Arbor Woods Court
Cimcinnati, OH 45248

REV	DATE	DESCRIPTION
	04.19.24	BID/PERMIT SET

MECHANICAL PLAN

M101

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TJS	DJR

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