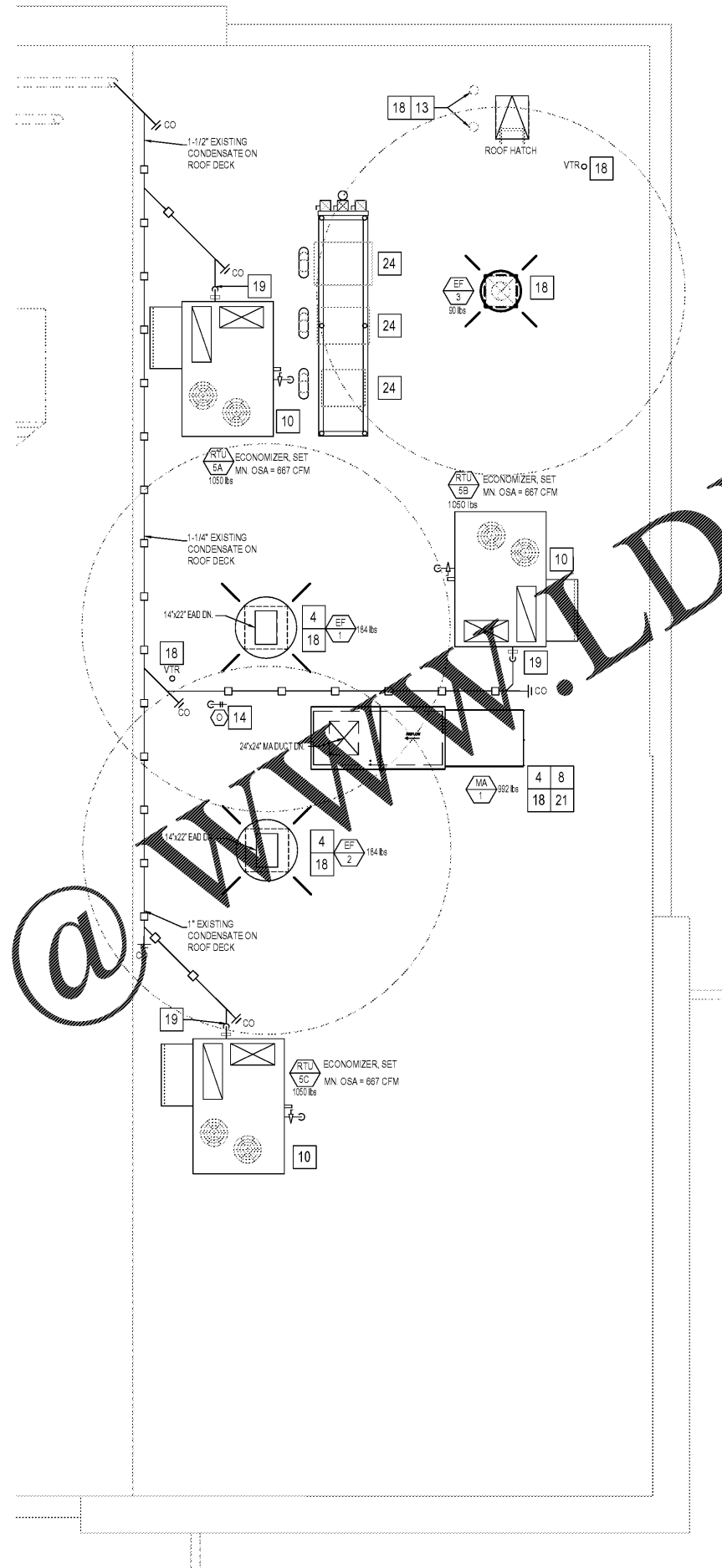


HVAC FLOOR PLAN 2
Scale: 1/4"=1'-0" M-100



HVAC ROOF PLAN 1
Scale: 1/4"=1'-0" M-100

MECHANICAL KEY NOTES:

- 1 INSTALL GREASE EXHAUST HOODS FURNISHED BY PANDA. HOOD SHALL BE ONE CAPTIVE/RE-4824 HOOD EXHAUSTING 3,400 CFM. SUPPORT FROM STRUCTURE ABOVE WITH UNSTRUT AND ALL-THREAD ROOF MOUNT HOOD PER LOCAL CODE REQUIREMENTS. REFER TO PLAN FOR HOOD CONNECTIONS. SEE CODE COMPLIANCE DRAWINGS ON SHEET M-500 AND CAPTIVE/RE HOOD DRAWINGS FOR ADDITIONAL REQUIREMENTS (TWO SECTIONS TOTAL).
- 2 PROVIDE AND INSTALL GREASE EXHAUST DUCT. ROUTE ON TOP OF MAKE UP AIR DUCT. FROM INLET OF ROOF MOUNTED GREASE EXHAUST FAN, TRANSITION TO 22"x14" BETWEEN ROOF JOIST, CONNECT TO EXHAUST HOOD COLLAR. FIELD VERIFY WRAP WITH THERMAL CERAMIC FIREMASTER DUCT WRAP OR EQUAL. FABRICATE DUCT FROM 16 GAUGE STEEL WITH WELDED SEAM CONSTRUCTION SEAL TO THE ROOF CURB WITH FIRE CAULKING. SEE HOOD DETAIL DRAWINGS ON SHEET M-500 AND CAPTIVE/RE DRAWINGS. TRANSITION DUCT TO CURB AND FAN INLET SIZE. TRANSITION TO 26"x12" DUCT COLLAR SIZE.
- 3 MOUNT THERMOSTAT AT MANAGER STATION. REFER TO DETAIL 1/M-501. SEE DWG FOR EXACT LOCATION OF REMOTE SENSOR. SEE ROOFTOP UNIT SCHEDULE AND TEMPERATURE CONTROL DIAGRAM DETAIL 5 ON SHEET M-101 FOR ADDITIONAL INFORMATION.
- 4 INSTALL GREASE EXHAUST FAN WITH CURB (EF-1 AND EF-2) AND MAKE UP AIR (MA-1) FURNISHED BY PANDA. COORDINATE LOCATION OF UNIT WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 5 PROVIDE AND INSTALL A REMOTE SENSOR FOR ROOFTOP UNIT AT THIS LOCATION. MOUNT REMOTE SENSOR IN RETURN AIR DUCT. SEE TEMPERATURE CONTROL DIAGRAM ON SHEET M-101 FOR ADDITIONAL INFORMATION.
- 6 PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTOR AT MAIN SUPPLY AIR DUCT PER IMC. SENSORS AT RETURN AIR DUCT PER IMC, SECTION 606.2.1. DETECTORS SHALL BE INTERLOCKED TO SHUT DOWN ROOFTOP UNITS UPON DETECTION OF SMOKE. PROVIDE ALL NECESSARY WIRING TO PERFORM THIS OPERATION.
- 7 PROVIDE FLEXIBLE CONNECTION BETWEEN UNIT, ROUTE DUCT THRU ROOF CURB AND TRUSS.
- 8 FOR GAS OR WATER CONNECTION, SEE PLUMBING DRAWINGS.
- 9 PROVIDE FABRICATED CURB PER MANUFACTURER'S REQUIREMENTS AND COORDINATE EXACT LOCATION OF UNIT IN FIELD. SHIM ROOF CURB LEVEL FOR PROPER CONDENSATE DRAINAGE.
- 10 FURNISH AND INSTALL ALL TEMPERATURE CONTROL WIRING FROM THE UNIT TO THE THERMOSTAT OR OTHER CONTROL DEVICES.
- 11 FULL SIZE SA AND RA UP TO RTU. TRANSITION AS REQUIRED TO RTU INLET/OUTLET SIZE.
- 12 PVC VENT AND COMBUSTION AIR PIPING PROVIDED AND INSTALLED BY PLUMBING FOR SEALED COMBUSTION WATER HEATER. REFER TO PLUMBING PLANS.
- 13 WATER HEATER VENT AND COMBUSTION AIR INTAKE PIPES. REFER TO PLUMBING PLANS. OFFSET AS REQUIRED FOR CLEARANCE FROM AIR INTAKES.
- 14 ROOF HYDRANT. REFER TO PLUMBING DRAWINGS.
- 15 NOT USED.
- 16 MA DUCT (BELOW MAKE UP AIR) CONNECT TO 26"x10" RISER FROM SUPPLY PLENUM. 1,200 CFM.
- 17 PROVIDE DUCT EXTERNAL INSULATION WRAP AT TRUNK, TYPICAL.
- 18 COORDINATE WITH SHELL FOR ROOF PENETRATIONS.
- 19 EXISTING CONDENSATE DRAIN LINE ON ROOF. REFER TO DETAIL 1/M-501.
- 20 NOT USED.
- 21 PROVIDE AND INSTALL ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDED CLEARANCES FOR MAINTENANCE. MAINTAIN MINIMUM CLEARANCES TO ELECTRICAL AND SERVICE ACCESS PANELS AND DISCONNECTS.
- 22 GREASE DUCT CLEANOUT LOCATION. PROVIDE ACCESS TO CLEANOUT ABOVE CEILING. REFER TO MECHANICAL SPECIFICATIONS SHEET M-100.
- 23 8" CONNECTION TO HOOD RTU SUPPLY PLENUM COLLAR. BALANCE TO 242 CFM.
- 24 PROVIDE AND INSTALL ACR TUBING, SIZED AND ROUTED PER MANUFACTURER'S INSTRUCTIONS. FROM REMOTE REFRIGERANT CONDENSERS TO WALK-IN COOLER AND FREEZER FAN COILS, AND ICE MAKER. TEST, PURGE, EVACUATE AND CHARGE LINES AS REQUIRED BY MANUFACTURER (START-UP FOR ICE MAKER IS BY OWNERS REPRESENTATIVE). ROUTE REFRIGERANT LINES THROUGH "AIR HUB" PROVIDED AND INSTALLED BY GC (REFER TO ARCH. ISO 3 AND 4, SHEET A-108).

NOTE: MAXIMUM FLEXIBLE DUCT LENGTH ALLOWED SHALL BE PER LOCAL CODE AND AMENDMENTS. IMC HAS NO LIMITATIONS FOR FLEXIBLE DUCT LENGTHS.



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