

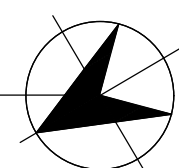
GENERAL NOTES

1. HVAC CONTRACTOR SHALL PROVIDE FIELD APPLIED FOIL VAPOR BARRIER INSULATION TO ALL DIFFUSER BACKS.
2. RTU AND EXHAUST FAN ROOF PENETRATIONS SHALL BE COORDINATED WITH STRUCTURAL.
3. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL VERTICAL AND HORIZONTAL OFFSETS (NOT SHOWN) FOR DUCT AND EQUIPMENT INSTALLATION.
4. ALL ROOF CURBS SHALL BE SEALED AIR TIGHT FOR BUILDING PRESSURE TESTING
5. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR REFRIGERANT PIPING. PLUMBING CONTRACTOR WILL PROVIDE ALL CONDENSATE PIPING. ALL EQUIPMENT FURNISHED WITH PRE CHARGED LINE SETS.
6. DUCTWORK TO BE INSTALLED TIGHT TO BOTTOM OF STRUCTURE THROUGHOUT. COORDINATE WORK WITH OTHER TRADES TO AVOID CONFLICTS. MAINTAIN CLEARANCE ABOVE DUCT FOR INSULATION.
7. CLEAN ALL DUCTWORK BOTH INSIDE AND OUT BEFORE START-UP OF ROOFTOP UNITS.
8. FLEXIBLE DUCT LIMITED TO 5'-0" MAX.
9. PROVIDE TURNING VANES IN ALL 90 DEG ELBOWS IN SUPPLY AND RETURN DUCTWORK.

MECHANICAL PLAN NOTES

1. ROOF TOP UNIT RTU-1, RTU-2 AND RTU-3: PROVIDE NEW TRANE ROOFTOP UNIT IN VERTICAL DISCHARGE CONFIGURATION. PROVIDE WITH ROOF CURB, AIR SIDE ECONOMIZER WITH BAROMETRIC RELIEF, SMOKE DETECTORS, THERMOSTAT AND STAINLESS STEEL HEAT EXCHANGER. CONTRACTOR TO ACOUSTICALLY LINE THE FIRST 10'-0" OF BOTH SUPPLY AND RETURN MAIN DUCTS.
2. HOOD SYSTEM AND DUCT PROVIDED BY CAPTIVEAIRE, SEE SHEETS M3.0-M3.2., COORDINATE ANY MODIFICATIONS WITH HOOD VENDOR/CAPTIVEAIRE.
3. INSTALL AND WIRE NEW 7-DAY PROGRAMMABLE THERMOSTAT AND TEMPERATURE SENSOR FOR RTU-1 AND RTU-2. COORDINATE AND FIELD VERIFY EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
4. SMOKE DETECTOR SHALL BE FURNISHED/INSTALLED BY MECHANICAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR TO SHUT DOWN CORRESPONDING AIR CONDITIONING UNIT UNDER ALARM CONDITIONS. ALL WIRING SHALL BE IN CONDUIT PER N E C SMOKE DETECTOR SHALL BE SYSTEM SENSOR MODEL DH100ACDCLP OR EQUAL.
5. ROUTE 10" EXHAUST DUCT UP THROUGH ROOF WITH TALL CONE FLASHING, WEATHER SKIRT, AND VENT CAP. MAINTAIN A MINIMUM OF 10'-0" FROM ALL OUTSIDE AIR INTAKES AND TERMINATES 36" ABOVE ROOF.
6. EXHAUST FOR CHAR AND FRYER. HOOD IS REQUIRED AT THE CHAR AND FRYER. RUN SHEET METAL DUCT FROM CONNECTION ON HOOD TO RESPECTIVE EXHAUST FAN. OFFSET AND TRANSITION AT CONNECTIONS AS NEEDED. VERIFY DIMENSIONS PRIOR TO FABRICATION OR INSTALLATION. USE FACTORY-MANUFACTURED PIPE AND FITTINGS ONLY. VERIFY LOCATION ON SITE WITH MOST RECENT KITCHEN PLANS.
7. 4.0" WATER HEATER AIR INTAKE PIPE UP THROUGH ROOF.
8. 4.0" WATER HEATER EXHAUST VENT PIPE UP THROUGH ROOF.
9. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCT CONNECTIONS. PROVIDE INSULATION FOR SUPPLY AND RETURN AIR DUCTWORK IN UNCONDITIONED SPACES WITHIN BUILDING: R-6, WITHIN BUILDING ENVELOPE ASSEMBLY R-12, AND OUTSIDE OF BUILDING: R-12.
10. EXACT LOCATION OF ALL HOODS SHALL BE DETERMINED BY THE KITCHEN EQUIPMENT DRAWINGS AND EQUIPMENT CUT SHEETS. COORDINATE WITH ALL DISCIPLINES PRIOR TO INSTALLATION.
11. INSTALL KITCHEN HOOD EXHAUST DUCTWORK AS INDICATED ON PLANS. DUCTWORK SIZES AND LAYOUTS SHALL NOT BE MODIFIED WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
12. 12" GREASE EXHAUST DUCT FROM HOOD UP THRU ROOF TO EF-1.
13. 12" EXHAUST DUCT FROM HOOD UP THRU ROOF TO EF-2.

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



GENERAL NOTES

1. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES AROUND ROOF MOUNTED EQUIPMENT.
2. COORDINATE ALL EQUIPMENT LOCATIONS AND ROOF PENETRATIONS WITH THE GENERAL CONTRACTOR PRIOR TO BEGINNING WORK. USE SHOP DRAWINGS PROVIDED BY THE EQUIPMENT MANUFACTURER.
3. RTU AND EXHAUST FAN ROOF PENETRATIONS SHALL BE COORDINATED WITH STRUCTURAL PRIOR TO BEGINNING WORK.
4. ALL ROOF CURBS SHALL BE SEALED AIR TIGHT FOR BUILDING PRESSURE TESTING.
5. THE MECHANICAL CONTRACTOR SHALL INSTALL ALL REFRIGERANT PIPING.

MECHANICAL ROOFTOP PLAN NOTES

- 1 PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCT CONNECTIONS. SET OUTSIDE AIR AS INDICATED ON ROOFTOP UNIT SCHEDULE. MECHANICAL CONTRACTOR SHALL SCRIBE INTO UNIT POSITION OF OUTSIDE AIR DAMPER AND LABEL OUTSIDE AIR VOLUME AND PERCENT OF OUTSIDE AIR.
- 2 INSTALL ROOF MOUNTED FAN AND FAN CURB. COORDINATE INSTALLATION WITH CAPTIVEAIRE. FAN SHOULD NOT INSTALL WITHIN 10 FEET OF ANY OUTSIDE AIR INTAKE.
- 3 10" EXHAUST DUCT WITH FAN UP THROUGH ROOF WITH TALL CONE FLASHING, WEATHER SKIRT, AND VENT CAP. MAINTAIN A MINIMUM OF 10'-0" FROM ALL OUTSIDE AIR INTAKES AND TERMINATE 36" ABOVE ROOF.
- 4 4" WATER HEATER FLUE PIPE UP THROUGH ROOF WITH VENT CAP. MAINTAIN A MINIMUM OF 10'-0" FROM ALL OUTSIDE AIR INTAKE AND TERMINATES 36" ABOVE ROOF.
- 5 4" WATER HEATER AIR INTAKE PIPE UP THROUGH ROOF WITH VENT CAP. MAINTAIN A MINIMUM OF 10'-0" FROM ALL EXHAUST AIR VENTS AND TERMINATES 36" ABOVE ROOF.
- 6 CONTRACTOR TO FIELD VERIFY THAT THE LOCATION OF ANY INTAKE SOURCE FROM ADJACENT TENANTS SHOULD BE AT LEAST 10' AWAY FROM THE EF-1, EF-2, EF-3 AND OTHER EXHAUST DUCT TERMINATING ON ROOF.
- 7 CONTRACTOR TO FIELD VERIFY THAT THE LOCATION OF ANY EXHAUST SOURCE FROM ADJACENT TENANTS SHOULD BE AT LEAST 10' AWAY FROM THE RTU-1, RTU-2, RTU-3.
- 8 CONTRACTOR TO COORDINATE WITH STRUCTURAL ENGINEER AND FIELD VERIFY THE BUILDING OR STRUCTURE SHALL NOT BE WEAKENED BY THE INSTALLATION OF NEW MECHANICAL SYSTEMS RTU-1, RTU-2, EF-1, EF-2, EF-3.

