



HVAC PLAN
SCALE: 1/4" = 1'-0"

- GENERAL NOTES:**
- CONTRACTOR SHALL MAKE ALLOWANCES FOR OPEN CEILING CONDITION IN NEW RETAIL/SALES AREA. ALL EXISTING/NEW HVAC EQUIPMENT INCLUDING DUCTWORK, HANGERS, SUPPORTS, CONTROLS, WIRING, ACCESSORIES, ETC. SHALL BE FIELD VERIFIED IN THEIR ENTIRETY FOR CONFORMANCE TO OPEN CEILING CONDITIONS DESCRIBED BELOW. CONTRACTOR SHALL FIELD COORDINATE ALL MODIFICATIONS OF ALL HVAC EQUIPMENT PRIOR TO START OF WORK WITH GENERAL CONTRACTOR. REFER TO HVAC PLAN, THIS SHEET, AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - ALL HVAC POWER AND CONTROL WIRING LOCATED IN THE RETAIL/SALES AREA (OPEN CEILING) SHALL BE INSTALLED IN CONDUIT THAT ONLY EXTENDS PARALLEL OR PERPENDICULAR TO THE EXISTING STRUCTURE IN AN ORGANIZED MANNER. ALL CONDUITS AND SUPPORTS SHALL HAVE PRIMER AND BE READY FOR PAINTING. CONTRACTOR SHALL FIELD COORDINATE WITH ELECTRICAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - ALL WORK SHALL BE IN ACCORDANCE WITH BUILDING TENANT GUIDELINES AND DESIGN CRITERIA. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL TENANT GUIDELINES AND DESIGN CRITERIA PRIOR TO START OF CONSTRUCTION.
 - ALL ROOF WORK SHALL BE PERFORMED BY BUILDING OWNER'S ROOFING CONTRACTOR - COORDINATE WITH OWNER PRIOR TO PERFORMING WORK.

DRAWING NOTES

- PROVIDE PACKAGED GAS FIRED ROOFTOP UNIT WITH COMPLETE PERIMETER CURB. COORDINATE EXACT LOCATION WITH ROOF STRUCTURE. PROVIDE ROOF OPENINGS AS REQUIRED. REFER TO GAS FIRED ROOFTOP UNIT SCHEDULE, SHEET T2.02, FOR ADDITIONAL INFORMATION.
- PROVIDE SMOKE DETECTOR IN SUPPLY AND RETURN AIR DUCTWORK. SMOKE DETECTOR SHALL BE IN ACCESSIBLE LOCATION. PROVIDE ACCESS DOOR IN DUCTWORK FOR ACCESS TO SAMPLING TUBE. REFER TO DETAIL, SHEET T2.01, FOR ADDITIONAL INFORMATION.
- PROVIDE WALL-MOUNTED PROGRAMMABLE THERMOSTAT. CONTRACTOR SHALL INSTALL SINGLE GANG BOX FOR INSTALLATION OF THERMOSTAT, CARBON DIOXIDE WITH R/H SENSOR, AND CARBON DIOXIDE COV SENSOR (CUT IN RINGS ARE NOT ALLOWED - REPLACE WITH GANG BOX). AFTER ALL CONTROL WIRING IS COMPLETE, STUFF GANG BOX WITH FIBERGLASS INSULATION AND PROVIDE ARMAFLEX INSULATED PAD SEALED AIR TIGHT. MOUNTING HEIGHT SHALL BE APPROXIMATELY 46" ABV. FINISHED FLOOR. CONTRACTOR SHALL FIELD COORDINATE LOCATION WITH FSS, INCLUDING ROUTING FROM SENSOR(S) TO THERMOSTAT.
- APPROXIMATE LOCATION OF WALL-MOUNTED CARBON DIOXIDE WITH RELATIVE HUMIDITY SENSOR PROVIDED BY FSS SMART BUILDINGS AND INSTALLED BY FSS IN SINGLE GANG BOX (SHOWN FOR INFORMATION ONLY).
- PROVIDE WALL-MOUNTED CARBON DIOXIDE SENSOR IN SINGLE GANG BOX AND INSTALL FOR DEMAND CONTROL VENTILATION (DCV). MOUNTING HEIGHT SHALL BE APPROXIMATELY 46" ABV. FINISHED FLOOR. SENSOR SHALL BE CAPABLE OF CONTROLLING MULTIPLE RTU(S) AS INDICATED. SENSOR SHALL BE EQUAL TO HONEYWELL AND SHALL BE COORDINATED/INSTALLED BY ATC CONTRACTOR. REFER TO SEQUENCE OF OPERATION, SHEET T2.01, FOR ADDITIONAL INFORMATION.
- PROVIDE WALL-MOUNTED PROGRAMMABLE THERMOSTAT MOUNTED ON ARMAFLEX INSULATED PAD SEALED WITH SILICON. MOUNTING HEIGHT SHALL BE APPROXIMATELY 46" ABV. FINISHED FLOOR.
- PROVIDE MANUAL VOLUME DAMPER IN BRANCH DUCTWORK.
- PROVIDE SINGLE WALL LINED SPIRAL SHEETMETAL DUCTWORK TIGHT TO STRUCTURE ABOVE WITH SIZES AND ROUTINGS AS SHOWN. SUPPORT FROM STRUCTURE ABOVE.
- PROVIDE INSULATED SHEETMETAL DUCTWORK TIGHT TO STRUCTURE ABOVE WITH SIZES AND ROUTINGS AS SHOWN. SUPPORT FROM STRUCTURE ABOVE.
- CONTRACTOR SHALL PROVIDE PRIMER AND READY FOR PAINTING, ON ALL EXPOSED DUCTWORK, SUPPORTS, HANGERS, AND ACCESSORIES LOCATED WITHIN RETAIL/SALES AREA. FIELD COORDINATE FINAL FINISH (FIELD COATING/PRIME COAT) WITH CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND FINAL FINISH SHALL BE SELECTED BY ARCHITECT.
- PROVIDE 90° IN FITTINGS WITH SPIRAL VOLUME DAMPER. REFER TO DETAIL, SHEET T2.01, FOR ADDITIONAL INFORMATION.
- PROVIDE RIGHT TURNOUT WITH FLEX DUCT AS SHOWN. RIGID DUCT SHALL BE EQUAL TO ASSOCIATED AIR DEVICE NECK SIZE. FLEX DUCT SHALL NOT EXCEED 6'-0" IN LENGTH.
- PROVIDE INSULATED FLEX DUCT RUNOUT EQUAL TO FLEXMASTER TYPE 3M, U.L. 181, CLASS 1 TO SUPPLY AIR DIFFUSER WITH SIZE EQUAL TO DIFFUSER NECK SIZE.
- PROVIDE AIR DEVICE BALANCED TO INDICATED AIRFLOW. REFER TO AIR DEVICE SCHEDULE, SHEET T2.02, FOR ADDITIONAL INFORMATION.
- PROVIDE DOUBLE DEFLECTION SIDEMALL REGISTER AND MANUAL VOLUME DAMPER BALANCED TO INDICATED AIRFLOW. REFER TO AIR DEVICE SCHEDULE, SHEET T2.02, FOR ADDITIONAL INFORMATION.
- PROVIDE DOUBLE DEFLECTION SIDEMALL SUPPLY AIR REGISTER HIGH ON WALL. CONTRACTOR SHALL FIELD COORDINATE TOP OF REGISTER TO BE MOUNTED 13'-4" A.F.F. FINISH TO MATCH ADJACENT SURFACES. THERE SHALL BE NO TWO-TONE AIR DEVICES. REFER TO AIR DEVICE SCHEDULE, SHEET T2.02, FOR ADDITIONAL INFORMATION.
- PROVIDE TRANSFER AIR ASSEMBLY. REFER TO DETAIL, SHEET T2.01, FOR ADDITIONAL INFORMATION.
- PROVIDE INTERNAL SOUND LINED TRANSFER AIR ASSEMBLY. REFER TO DETAIL, SHEET T2.01, FOR ADDITIONAL INFORMATION.
- PROVIDE CEILING MOUNTED EXHAUST FAN. REFER TO FAN SCHEDULE, SHEET T2.02, FOR ADDITIONAL INFORMATION.
- PROVIDE EXHAUST AIR DUCTWORK ABOVE CEILING AND EXTEND AS SHOWN. CONTRACTOR SHALL FIELD COORDINATE ROUTING OF DUCTWORK ABOVE CEILING WITH STRUCTURE AND TERMINATE TO EXISTING EXTERIOR WALL CAP. REFER TO FAN SCHEDULE, SHEET T2.02, FOR ADDITIONAL INFORMATION.
- PROVIDE WALL MOUNTED DUCT-FREE AIR CONDITIONER (AC-U) SPLIT SYSTEM. PROVIDE CONTROL INTERLOCK WIRING BETWEEN THERMOSTAT AND INDOOR/OUTDOOR UNITS. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. REFER TO SCHEDULE, SHEET T2.02, FOR ADDITION INFORMATION.
- PROVIDE AIR-COOLED CONDENSING UNIT (ACCU-U) MOUNTED ON ROOF CURB. FIELD COORDINATE EXACT LOCATION WITH EXISTING ROOF CONDITIONS. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. REFER TO SCHEDULE, SHEET T2.02, FOR ADDITIONAL INFORMATION.
- MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES.
- PROVIDE REFRIGERANT LIQUID AND SUCTION PIPING ABOVE CEILING AND UP THROUGH ROOF TO ASSOCIATED AIR COOLED CONDENSING UNIT. FIELD COORDINATE EXACT ROUTING WITH STRUCTURE AND ALL OTHER TRADES. PROVIDE PIPE SUPPORTS AS REQUIRED. SIZE REFRIGERANT PIPING IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS. COORDINATE LOCATION WITH EXISTING CONDITIONS. REFER TO DETAIL, SHEET T2.01, FOR ADDITIONAL INFORMATION.
- PROVIDE PITCH POCKET, PRE-MANUFACTURED PIPE CURB, OR OTHER APPROVED METHOD TO ENSURE COMPLETE WEATHERPROOFING AROUND ALL PIPING PENETRATIONS THROUGH ROOF.
- TERMINATE EXPOSED OPEN END RETURN AIR DUCTWORK WITH 1/2"x1/2" WIRE MESH SCREEN PAINTED TO MATCH ADJACENT SURFACES.
- PROVIDE SOUNDLINED SHEETMETAL DUCTWORK TIGHT TO STRUCTURE ABOVE WITH SIZES AND ROUTINGS AS SHOWN. SUPPORT FROM STRUCTURE ABOVE.
- APPROXIMATE CENTERLINE OF SPIRAL LINED DUCTWORK 13'-0" ABOVE FINISHED FLOOR. CONTRACTOR SHALL FIELD COORDINATE EXACT LOCATION WITH STRUCTURE, EQUIPMENT, AND COORDINATE WITH OTHER TRADES PRIOR TO INSTALLING. DUCTWORK SHALL NOT BE LOWER THAN 12'-0".

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