



- PLAN NOTES:**
- PROVIDE AND INSTALL GAS FIRED FURNACE AS SPECIFIED. MOUNT ON 14" HIGH RETURN PLENUM. REFER TO DETAIL DM3.1 FOR TYPICAL PLENUM CONSTRUCTION.
 - RUN DUCTWORK ABOVE CORRIDOR CEILING. COORDINATE WITH BUILDING STRUCTURE AND WITH PIPING. REFER TO SHEET PL.1 AND PL.2 FOR PIPING SIZES AND LOCATIONS.
 - RUN SPIRAL SUPPLY AIR DUCT THRU ROOF JOIST WEBBING. SECURE DUCT TO LOWER CHORD OF JOISTS. REFER TO DETAIL HM3.1 FOR TYPICAL DUCT INSTALLATION. PROVIDE PAINT LOCK COATING ON DUCTWORK.
 - PROVIDE AND INSTALL "IN-DUCT" REGISTER AS SPECIFIED. BALANCE TO CFM AS INDICATED AND LOCK IN POSITION. MOUNT REGISTERS IN BOTTOM OF DUCT. REFER TO DETAIL 6M3.1 FOR TYPICAL INSTALLATION.
 - PROVIDE AND INSTALL RETURN AIR GRILLE AS SPECIFIED. MOUNT GRILLE AT 6" ABOVE FLOOR AND RISE 18x12 DUCT UP IN CHASE. REFER TO DETAIL LM3.1 FOR TYPICAL INSTALLATION.
 - SMOKE DETECTOR PROVIDED BY DIVISION 26 AND INSTALLED BY DIVISION 23. MOUNT IN SUPPLY AIR DUCT.
 - PROVIDE AND INSTALL WALL MOUNTED ELECTRIC HEATER AS SPECIFIED. MOUNT AT 12" ABOVE FLOOR. COORDINATE ACTUAL HEATER LOCATION WITH PIPING IN WALLS.
 - PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RISE 6" DUCT UP THRU MEZZANINE FLOOR ABOVE AND CONNECT TO EXHAUST AIR PLENUM DUCT. REFER MEZZANINE MECHANICAL PLAN (THIS SHEET) FOR CONTINUATION.
 - PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RISE 6" DUCT THRU CEILING SPACE TO WALL CAP AS SHOWN. REFER TO DETAIL CM3.1 FOR TYPICAL INSTALLATION.
 - 6" EXHAUST DUCT UP FROM FAN BELOW. RISE DUCT UP TO 8'-0" ABOVE MEZZANINE FLOOR AND RUN AS SHOWN TO CONNECT TO 18x12 EXHAUST PLENUM DUCT. COORDINATE ACTUAL DUCT ROUTING WITH OTHER DUCTWORK, EQUIPMENT AND PIPING.
 - CONNECT (2) EXHAUST DUCTS TO DISHWASHER. DUCTS TO MATCH EQUIPMENT PROVIDED. FIELD VERIFY WITH KITCHEN EQUIPMENT PROVIDER. TRANSITION DUCTS TO SINGLE 10" AND RISE UP THRU MEZZANINE FLOOR. SEE MEZZANINE MECHANICAL PLAN (THIS SHEET) FOR CONTINUATION AND TO DETAIL NM3.1 FOR TYPICAL CONNECTION TO DISHWASHER.
 - PROVIDE AND INSTALL VENT SET EXHAUST FAN AS SPECIFIED. MOUNT ON MEZZANINE FLOOR WITH VIBRATION ISOLATORS. RISE 10" DUCT UP THRU FLOOR AND CONNECT TO EXHAUST FAN. RISE 10" DISCHARGE DUCT UP TO 8'-0" ABOVE MEZZANINE FLOOR AND RUN AS SHOWN TO CONNECT TO 18x12 EXHAUST PLENUM DUCT. COORDINATE ACTUAL DUCT ROUTING WITH OTHER DUCTWORK, EQUIPMENT AND PIPING.
 - RISE (2) WATER HEATER VENTS UP THRU MEZZANINE FLOOR. RISE TO APPROXIMATELY 5'-2" ABOVE MEZZANINE FLOOR AND EXTEND THRU EXTERIOR WALL WITH CONCENTRIC TYPE FITTING. REFER TO DETAIL BM3.1 FOR TYPICAL VENT TERMINATION THRU EXTERIOR WALL. VENT TO BE LOCATED 12" ABOVE LOWER ROOF. CONTRACTOR TO FIELD VERIFY ELEVATION OF VENTS.
 - MOUNT ROOM SENSOR ON WALL WITH WIRE GUARD. CONNECT TO CORRESPONDING ROOF TOP EQUIPMENT.
 - PROVIDE AND INSTALL HEAVY DUTY 6YM GRILLE AS SPECIFIED. MOUNT GRILLE AT 6" ABOVE FLOOR AND RISE 24x12 DUCT UP IN CHASE. REFER TO DETAIL LM3.1 FOR TYPICAL INSTALLATION. REFER TO MEZZANINE MECHANICAL PLAN FOR CONTINUATION. CONNECT TO RETURN PLENUM BASE ON MEZZANINE LEVEL.
 - REFER TO MEZZANINE MECHANICAL PLAN (THIS SHEET) FOR CONTINUATION OF DUCTWORK.
 - REFER TO MECHANICAL FLOOR PLAN (THIS SHEET) FOR CONTINUATION OF DUCTWORK.
 - SUPPLY BRANCH DUCT TO BE RUN ABOVE 1'-0" ABOVE MEZZANINE FLOOR. DROP DUCT DOWN THRU FLOOR AT EACH DIFFUSER LOCATION. REFER TO FLOOR PLAN (THIS SHEET) FOR DIFFUSER LOCATIONS. REFER TO GRILLE AND REGISTER SCHEDULE FOR BRANCH DUCT SIZES.
 - RUN RETURN AIR DUCT AT FLOOR OF MEZZANINE. DROP DUCTS THRU FLOOR TO CONNECT TO EACH RETURN GRILLE.
 - RUN SUPPLY DUCTS AT 1'-0" ABOVE MEZZANINE FLOOR. COORDINATE DUCT LOCATIONS WITH OTHER DUCTWORK AND EQUIPMENT.
 - DROP 10x6 OUTSIDE AIR DUCT DOWN AND CONNECT TO RETURN AIR PLENUM. PROVIDE MOTORIZED DAMPER, DUCT ACCESS AND MANUAL BALANCING DAMPER IN DUCT. REFER TO DETAIL BM3.2 FOR TYPICAL DAMPER INSTALLATION.
 - CONNECT 24x12 OUTSIDE AIR DUCT TO RETURN AIR PLENUM BELOW FURNACE. PROVIDE MOTORIZED DAMPER, DUCT ACCESS AND MANUAL BALANCING DAMPER IN DUCT. REFER TO DETAIL BM3.2 FOR TYPICAL DAMPER INSTALLATION.
 - SEE SHEET PL.2 FOR CONTINUATION OF PIPING.

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Mechanical Floor Plan - Area B
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