



- ### MECHANICAL KEYED NOTES
- 1 NEW COOLING/HEATING FAN POWERED BOX. PROVIDE UNIT WITH ISOLATION VALVES. REFER TO MECHANICAL PLANS FOR MORE INFORMATION.
 - 2 NEW COOLING ONLY VAV BOX. REFER TO MECHANICAL PLANS FOR MORE INFORMATION.
 - 3 PROVIDE AND INSTALL NEW CHILLED WATER/HOT WATER FAN COIL UNIT. PROVIDE UNIT'S CHILLED WATER AND HOT WATER COIL WITH ISOLATION VALVES. REFER TO MECHANICAL PLANS FOR MORE INFORMATION.
 - 4 NEW CABINET EXHAUST FAN. REFER TO MECHANICAL PLANS FOR MORE INFORMATION.
 - 5 NEW WALL MOUNTED DX EVAPORATOR. REFER TO MECHANICAL PLANS FOR MORE INFORMATION.
 - 6 ROUTE NEW CHILLED/HOT WATER UP TO FLOORS ABOVE. REFER TO MECHANICAL HYDRONIC PLANS FOR CONTINUATION.
 - 7 ROUTE NEW CHILLED/HOT WATER PIPING HIGH AND TIGHT TO STRUCTURE. FIELD VERIFY ALL ROUTING OF PIPING THROUGH SPACE IN COORDINATION WITH DUCTWORK, PIPING, ELECTRICAL, ETC... PROVIDE TRANSITIONS(S), TURNS(S) AS NECESSARY TO MAKE CONNECTIONS.
 - 8 ROUTE NEW CONDENSER WATER PIPING HIGH AND TIGHT TO STRUCTURE. FIELD VERIFY ALL ROUTING OF PIPING THROUGH SPACE IN COORDINATION WITH DUCTWORK, PIPING, ELECTRICAL, ETC... PROVIDE TRANSITIONS(S), TURNS(S) AS NECESSARY TO MAKE CONNECTIONS.
 - 9 CONDENSER WATER PIPING UP THROUGH ROOF TO COOLING TOWERS ON ROOF. FIELD VERIFY EXACT ROUTING IN FIELD. REFER TO ENLARGED MECHANICAL PLAN FOR MORE INFORMATION.
 - 10 ROUTE NEW REFRIGERANT PIPING HIGH AND TIGHT TO STRUCTURE. COORDINATE EXACT ROUTING BETWEEN EVAPORATOR AND CONDENSER ON ROOF. SIZE PER MANUFACTURER'S REQUIREMENTS. FIELD VERIFY ALL WORK IN FIELD.
 - 11 REFRIGERANT PIPING DOWN THROUGH CHASE TO FLOOR BELOW. FIELD VERIFY THE EXACT ROUTING IN FIELD. REFER TO MECHANICAL HYDRONIC PLANS FOR MORE INFORMATION.
 - 12 REFRIGERANT PIPING UP THROUGH ROOF TO CONDENSING UNIT ON ROOF. FIELD VERIFY THE EXACT ROUTING IN FIELD. REFER TO MECHANICAL HYDRONIC PLANS FOR MORE INFORMATION.
 - 13 REFER TO ENLARGED MECHANICAL ROOM PLAN FOR ALL MECHANICAL KEYED NOTES AND INFORMATION.

- ### MECHANICAL GENERAL NOTES
- 1 ALL DUCT SIZES SHOWN ARE INSIDE CLEAR. INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.
 - 2 COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND ARCHITECT'S REFLECTED CEILING PLAN.
 - 3 CONTRACTOR TO PROPERLY SEAL ALL NEW OR MODIFIED DUCTWORK.
 - 4 SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL. ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH ZINC COLD GALVANIZING COMPOUND.
 - 5 FIELD COORDINATE WITH STRUCTURAL. OFFSET AND TRANSITION DUCTWORK AS REQUIRED.
 - 6 THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
 - 7 ALL CONSTRUCTION IS TO CONFORM TO MORE STRINGENT OF PLAN, SPECIFICATION REQUIREMENTS AND LOCAL CODES. CONFORM TO SMACNA HVAC CONSTRUCTION STANDARDS AS A MINIMUM WHERE NO OTHER SPECIFICATIONS OR CODE REQUIREMENTS APPLY.
 - 8 RETURN AIR IS THROUGH RETURN GRILLES AND BACK THROUGH RETURN AIR OPENINGS TO THE MECHANICAL ROOM. CONTRACTOR TO MAINTAIN RETURN AIR PATH. PROVIDE OPENINGS OR RETURN AIR BOOTS AS REQUIRED.
 - 9 ALL DUCTWORK 15 FEET DOWNSTREAM OF AHU'S AND 10 FEET DOWNSTREAM OF FPB'S TO BE PROVIDED WITH KNAUF PERFORMANCE+ INTERNAL LINER OR APPROVED EQUAL.
 - 10 ALL TRANSFER AIR DUCTS/BOOTS TO BE PROVIDED WITH INTERNAL LINING.
 - 11 PROVIDE RETURN AIR BOOTS ON ALL RETURN GRILLES FOR OFFICES, CONFERENCE ROOMS, ETC ON 4TH FLOOR.

1 THIRD FLOOR MECHANICAL HYDRONIC PLAN
Scale: 1/8" = 1'-0"

NO.	REVISION	DATE