

1 MECHANICAL - ROOF PLAN
SCALE: 1/8" = 1'-0"

- ### SHEET NOTES
- ALL EXHAUST AIR OUTLETS SHALL BE LOCATED NO CLOSER THAN 10'-0" AWAY FROM ALL OUTSIDE AIR INTAKES. VERIFY FINAL LOCATION OF ALL EXHAUST AIR VENTS AND OUTSIDE AIR INTAKES WITH ALL TRADES PRIOR TO INSTALLATION.
 - MAINTAIN ALL REQUIRED MAINTENANCE CLEARANCES FOR ROOFTOP UNIT. REFER TO MANUFACTURER'S RECOMMENDATIONS.
 - 6"Ø EXHAUST AIR DUCT UP, TERMINATE THROUGH ROOF WITH BACKDRAFT DAMPER AND GOOSENECK. COORDINATE EXACT TERMINATION LOCATION W/ ARCHITECT PRIOR TO INSTALLATION.
 - EXTEND REFRIGERANT PIPING FROM INDOOR UNIT TO CORRESPONDING OUTDOOR UNIT. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE ALL PIPING RUNS WITH ARCHITECT. CONTRACTOR SHALL GUARANTEE THAT THE REFRIGERANT LINES DO NOT EXCEED THE RECOMMENDED MAXIMUM LENGTH OF REFRIGERANT PIPING. COORDINATE LOCATION OF UNIT W/ ARCHITECT AND BUILDING OWNER PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL PROVIDE PATE EQUIPMENT SUPPORTS ES-2, INSULATED 16" HIGH WITH 2X8 WOOD NAILER, INSTALL PER MANUFACTURER'S RECOMMENDATIONS (TYPICAL).

- ### GENERAL NOTES
- DUCTWORK SHOULD BE INSTALLED AS TIGHT AS POSSIBLE TO THE STRUCTURAL FRAMING AND DECK. MAINTAIN THE CEILING HEIGHTS AS SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE ALL AIR DEVICES AND DUCTWORK W/ LIGHTING AND REFLECTED CEILING PLANS.
 - MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR ALL REQUIRED CEILING ACCESS PANELS OPENINGS TO SERVICE ALL MECHANICAL EQUIPMENT, BALANCING DEVICES, ETC. ALL ACCESS PANELS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR. ALL ACCESS PANEL LOCATIONS AND SIZES SHALL BE COORDINATED W/ ARCHITECT PRIOR TO INSTALLATION.
 - ALL DUCTWORK SIZES ARE SHOWN WITH CLEAR I.D. DIMENSIONS. ALL SUPPLY AND RETURN DUCTWORK WILL BE INSULATED (REFER TO MATERIAL AND INSULATION SCHEDULE FOR MORE INFORMATION).
 - DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF DUCT SYSTEMS. INDICATED DUCT LOCATIONS, CONFIGURATIONS, AND ARRANGEMENTS ARE FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO PRODUCE A COMPLETE SET OF COORDINATION DRAWING INCLUDING ALL DUCT ELEVATIONS, CHANGES IN DIRECTION, TRANSITIONS AND ELEVATION CHANGES REQUIRED FOR A COMPLETELY COORDINATED INSTALLATION. COORDINATION DRAWINGS SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
 - ALL DUCT SHAFT LOCATIONS, SIZES AND ALL SHAFT REQUIREMENTS SHALL BE FULLY COORDINATED WITH ARCHITECT.
 - ALL BRANCH DUCTWORK SHALL BE INSTALLED WITH BALANCING DAMPERS.
 - CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL COMPONENTS REQUIRED FOR A COMPLETE, COST EFFECTIVE, QUIET, ENERGY EFFICIENT AND FULLY OPERATIONAL MECHANICAL DESIGN.
 - ALL DUCTWORK SHALL BE CONSTRUCTED WITH GALVANIZED SHEET METAL IN COMPLIANCE WITH SMACNA STANDARDS.
 - CONTRACTOR SHALL FURNISH AND INSTALL FIRE DAMPERS OR FIRE/SMOKE COMBINATION DAMPERS WHERE REQUIRED TO MEET FIRE RATINGS OF FLOORS, WALLS AND CEILING SYSTEMS. REFER TO THE ARCHITECTURAL PLANS. PROVIDE FRAMED, HINGED, LOCKABLE ACCESS PANELS AT ALL DAMPERS.
 - ALL CONCEALED SUPPLY AIR DUCTWORK SHALL BE WRAPPED WITH A MINIMUM OF R-5 INSULATION. ALL CONCEALED RETURN AIR DUCTWORK SHALL BE WRAPPED WITH A MINIMUM OF R-5 INSULATION. INSULATE ALL DUCTWORK THAT IS INSTALLED IN JOIST SPACE ON THE TOP FLOOR WITH A MINIMUM OF R-8 INSULATION. INSULATION SHALL BE IN STRICT ACCORDANCE WITH ALL MANUFACTURER'S AND REQUIREMENTS. ALL VAPOR BARRIERS MUST BE MAINTAINED. ALL EXPOSED DUCTWORK SHALL HAVE 1" INTERNAL INSULATION.



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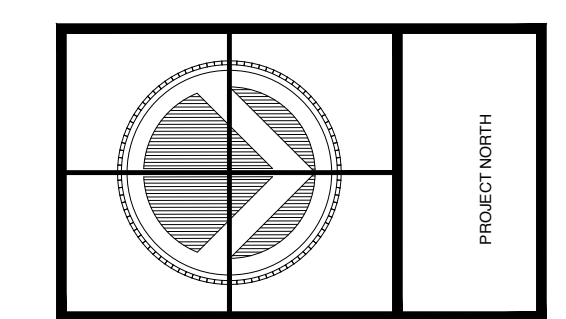
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PROJECT

MECHANICAL - ROOF PLAN
DWG. TITLE

CONTRACTOR SHALL CHECK & FIELD CONDITIONS PRIOR TO STARTING CONSTRUCTION.

REVISIONS:

DRAWN BY:	DB
CHECKED BY:	JB
DATE:	11-30-2015
SCALE:	AS NOTED

JOB NO. 15-260
FILE:

ISSUED FOR BIDDING	2	02-12-2016
ISSUED FOR CONSTRUCTION PERMITS	1	01-27-2016
DRAWING ISSUE	No.	DATE

M1-4

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