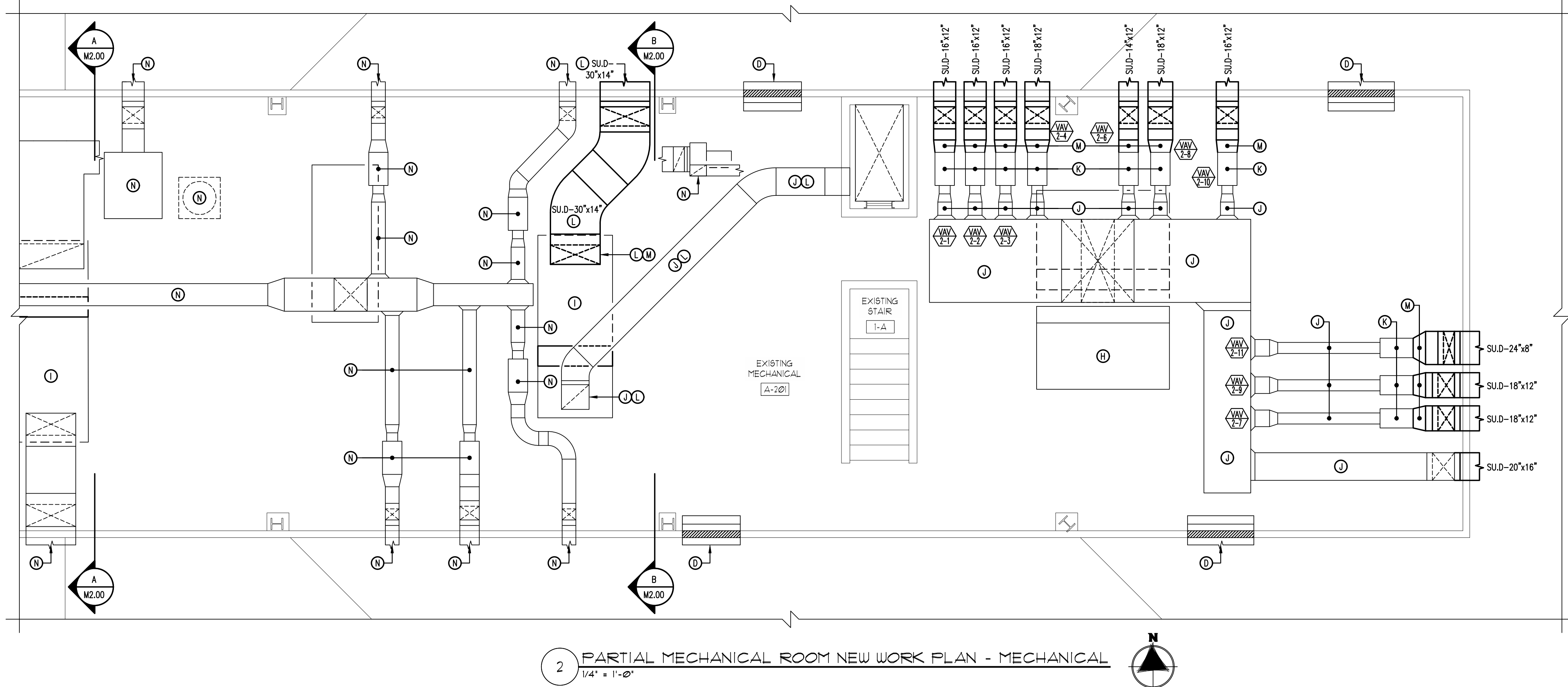
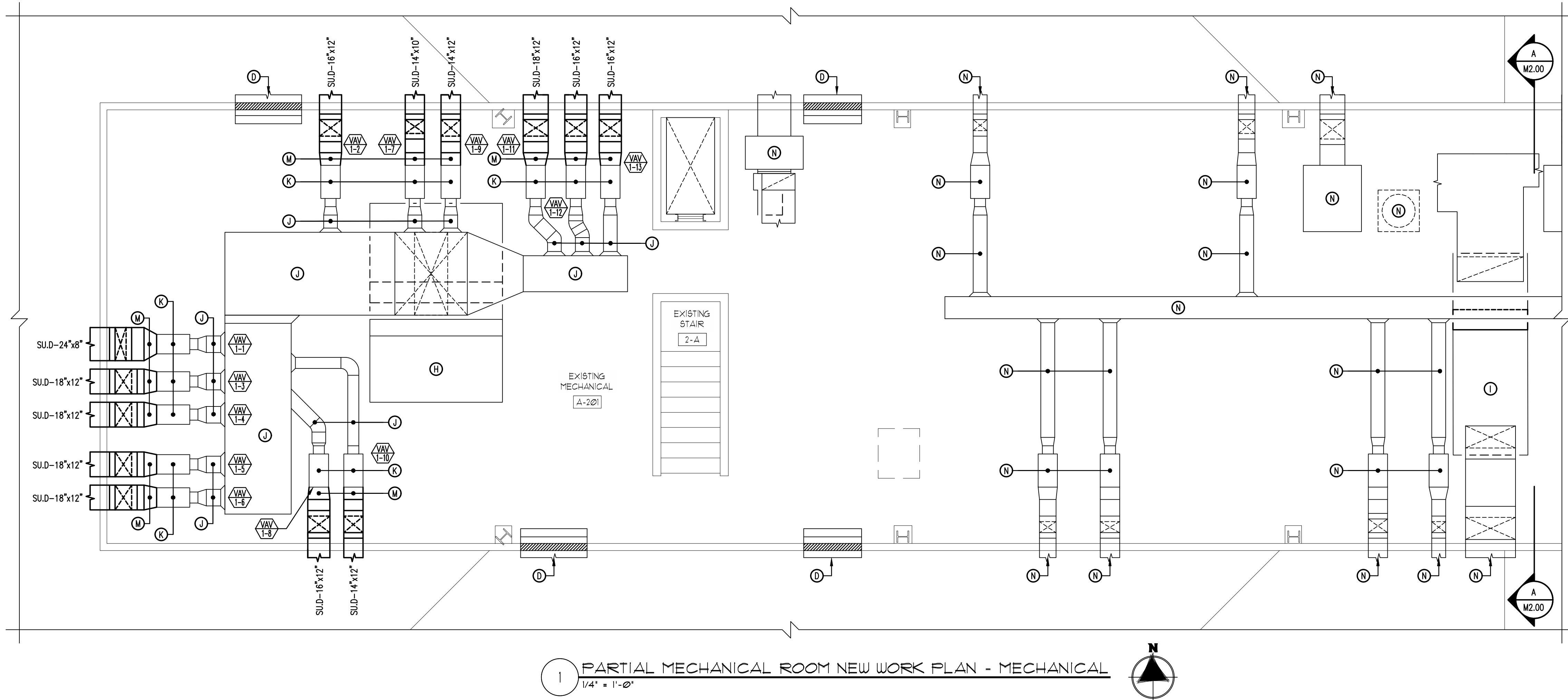




2 PARTIAL MECHANICAL ROOM NEW WORK PLAN - MECHANICAL
 1/4" = 1'-0"



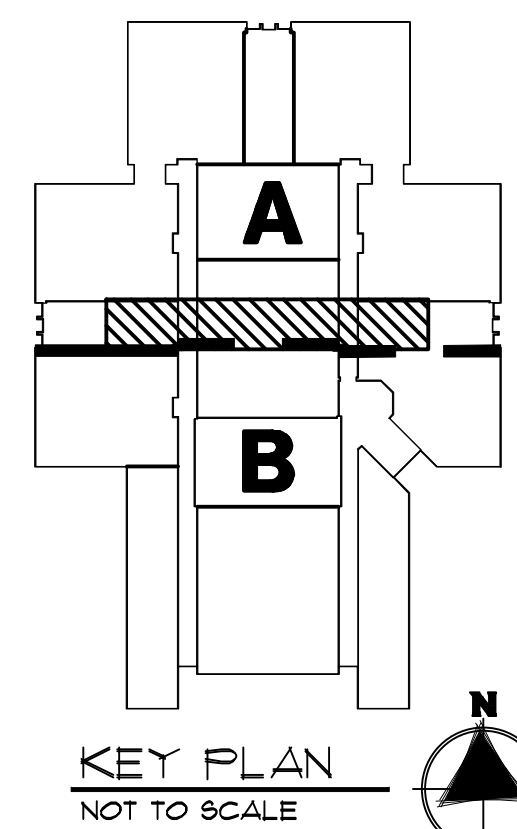
1 PARTIAL MECHANICAL ROOM NEW WORK PLAN - MECHANICAL
 1/4" = 1'-0"

MECHANICAL NEW WORK NOTES

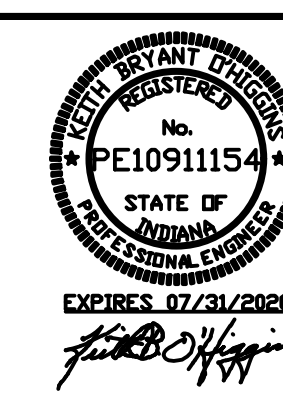
- A PROVIDE CEILING RELIEF GRILLE. FIELD VERIFY EXACT GRILLE LOCATION. FIELD VERIFY EXACT DUCTWORK SIZE/ROUTING IN FIELD. SEE DETAILS.
- B PROVIDE 24"x24" RELIEF DUCTWORK AS SHOWN IN DETAIL. COORDINATE EXACT LOCATION IN FIELD WITH EXISTING BUILDING CONSTRUCTION.
- C CLEAN EXISTING 24"x24" RETURN AIR GRILLE AND ASSOCIATED DUCTWORK. VACUUM CLEAN AND SPRAY SEAL/ENCAPSULATE EXISTING RELIEF FIBERGLASS DUCTWORK LINER INSULATION IN EXISTING CLASSROOM CHASE AND DUCTWORK ABOVE CEILING TO CORRIDOR.
- D CLEAN EXISTING TRANSFER DUCTWORK AND FIRE DAMPER. VACUUM CLEAN AND SPRAY SEAL/ENCAPSULATE EXISTING FIBERGLASS DUCTWORK LINER INSULATION. PROVIDE NEW FUSIBLE LINK FOR EXISTING FIRE DAMPER.
- E CLEAN EXISTING 48"x12" TRANSFER DUCTWORK. VACUUM CLEAN AND SPRAY SEAL/ENCAPSULATE EXISTING FIBERGLASS DUCTWORK LINER INSULATION. PROVIDE NEW CONNECTION WITH ELBOW AND WIRE SCREEN MESH. FIELD VERIFY SIZE/LOCATION/ROUTING.
- F PROVIDE 10"x6" SUPPLY AIR DUCTWORK/OPENING WITH LOW LEAK DAMPER. SEE SEQUENCE OF OPERATION FOR DAMPER CONTROL. PROVIDE WIRE MESH SCREEN AT OPENING. BALANCE TO 200 CFM DURING HEATING SEASON.
- G NEW LOCATION FOR THERMOSTAT/SENSOR. VERIFY OPERATION WITH EXISTING HVAC EQUIPMENT (I.E. AIR HANDLING UNIT, VARIABLE AIR VOLUME BOX, ETC.). EXTEND WIRING, CONDUIT, ETC. AS REQUIRED BY FIELD CONDITIONS.
- H EXISTING AIR HANDLING UNIT. CLEAN INSIDE AND OUTSIDE OF ENTIRE UNIT INCLUDING BUT NOT LIMITED TO FANS, FAN HOUSINGS, COILS, MOTORS, SHELL, DRAIN PAN, ETC. SPRAY SEAL/ENCAPSULATE FIBERGLASS LINER INSULATION.
- I EXISTING AIR HANDLING UNIT. CLEAN INSIDE AND OUTSIDE OF ENTIRE UNIT INCLUDING BUT NOT LIMITED TO FANS, FAN HOUSINGS, COILS, MOTORS, SHELL, DRAIN PAN, ETC. SPRAY SEAL/ENCAPSULATE FIBERGLASS LINER INSULATION. PROVIDE NEW FLAT FILTER HOUSING AND FILTERS PER THE SPECIFICATIONS.
- J EXISTING SUPPLY/RETURN/EXHAUST/OUTDOOR AIR DUCTWORK. CLEAN INSIDE OF DUCTWORK. SPRAY ENCAPSULATE FIBERGLASS DUCTWORK LINER INSULATION AND SEAL EXISTING DUCTWORK (JOINTS/SEAMS/FITTINGS) BEING REUSED.
- K EXISTING VARIABLE AIR VOLUME (VAV) BOX. VACUUM CLEAN INSIDE AND OUTSIDE OF UNIT INCLUDING HOT WATER COIL. SPRAY SEAL/ENCAPSULATE FIBERGLASS LINER INSULATION.
- L ALTERNATE BID.
- M NEW CONNECTION TO EXISTING VAV BOX AND/OR AIR HANDLING UNIT. FIELD VERIFY SIZE/LOCATION.
- N EXISTING DUCTWORK AND/OR EQUIPMENT.
- O EXISTING THERMOSTAT/SENSOR. VERIFY OPERATION WITH EXISTING HVAC EQUIPMENT (I.E. AIR HANDLING UNIT, VARIABLE AIR VOLUME BOX, ETC.).
- P SEE DRAWING M1.20 FOR CONTINUATION.
- Q REMOVE AND REINSTALL EXISTING CEILING EXHAUST/RETURN/SUPPLY GRILLE. CLEAN GRILLE AND BALANCE TO ORIGINAL CFM. FIELD VERIFY QUANTITY AND LOCATIONS.
- R PLENUM TEMPERATURE SENSOR.

GENERAL MECHANICAL NOTES

1. ALL NEW DUCTWORK TO BE GALVANIZED SHEET METAL WITH DUCT WRAP INSULATION, NO DUCT LINER ALLOWED.
2. COORDINATE ROUTING OF ALL NEW DUCTWORK WITH EXISTING DUCTWORK, FIRE PROTECTION PIPING, PLUMBING PIPING, STRUCTURE, ETC. FIELD VERIFY.

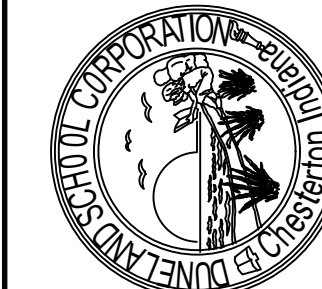


KEY PLAN
 NOT TO SCALE

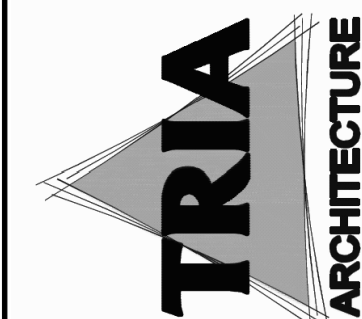


DUNELAND SCHOOL CORPORATION
 2019 MECHANICAL RENOVATIONS AT:
 JACKSON ELEMENTARY SCHOOL
 811 N. 400 E. VALPARAISO, INDIANA 46383

PROJECT NUMBER: B-204P
 PROJECT OWNER: DSS
 DRAWING: M1.20
 DESIGNED FOR: BLDG. @ 08/08/09
 LARGE SCALE NEW WORK PLANS - MECHANICAL



M1.20



TRIA CONSULTANT
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