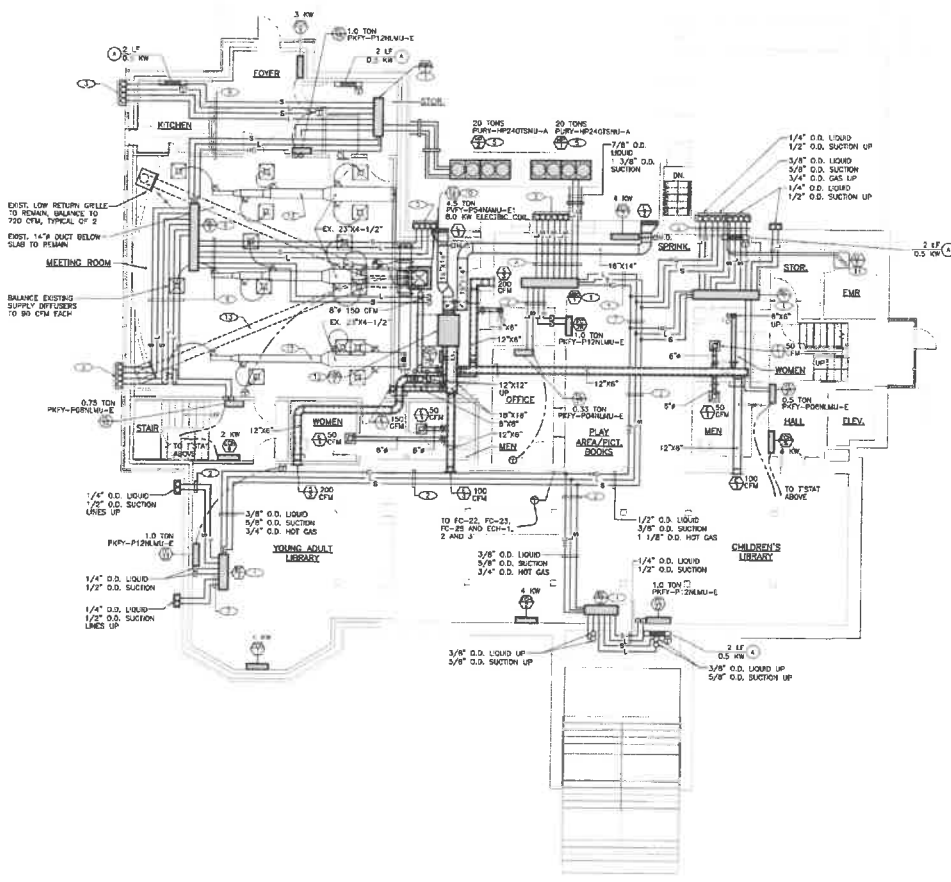




CONSULTING ENGINEER
MECHANICAL - ELECTRICAL



PROJECT NORTH
MECHANICAL BASEMENT PLAN
SCALE: 1/8"=1'-0"

DRAWING NOTES: (APPLY TO THIS DRAWING ONLY)

- 1. LOCATE BO BOX AT CEILING, COORDINATE EXACT LOCATION IN FIELD.
- 2. FIELD ROUTE RETROGRADE PIPING, PROVIDE PVC JACKETING FOR ALL EXPOSED PIPING.
- 3. 1/4" O.D. LIQUID, 1/2" O.D. SUCTION LINE UP.
- 4. 1/4" O.D. LIQUID, 1/2" O.D. SUCTION LINES RUN AT CEILING.
- 5. INSTALL HEAT PUMP UNIT ON 4" THICK CONCRETE PAD, SEE DETAIL.
- 6. 3/8" O.D. LIQUID, 1 1/8" O.D. SUCTION, 1 1/8" O.D. HOT GAS LINES RUN AT CEILING.
- 7. 3/8" O.D. LIQUID, 3/4" O.D. SUCTION, 1 1/8" O.D. HOT GAS LINES RUN AT CEILING.
- 8. RUN RETROGRADE LINES ABOVE EXISTING ACI CEILING, FIELD ROUTE ABOVE CEILING, COORDINATE WITH EXISTING CONDITIONS.
- 9. LOCATE BO BOX ABOVE CEILING, COORDINATE EXACT LOCATION IN FIELD.
- 10. CONSTRUCT A NEW LINED RETURN PLenum AND SUPPORT STAIRS FOR NEW HEAT PUMP UNIT, CONNECT TO EXISTING UNDERGROUND DUCTWORK, CONSTRUCT NEW SUPPLY PLenum ABOVE UNIT AND CONNECT TO EXISTING SUPPLY AIR DUCTWORK.
- 11. EXISTING EXHAUST FAN AND DUCTWORK TO REMAIN.
- 12. PROVIDE 4" THICK CONCRETE BASE PAD AND NEOPRENE SQUARES FOR UNIT.
- 13. CLEAN AND RE-BALANCE EXISTING DUCTWORK FOLLOWING INSTALLATION OF NEW UNIT.

GENERAL NOTES: (APPLY TO ALL DRAWINGS)

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING WALLS, FLOORS AND CEILINGS AS REQUIRED TO INSTALL NEW HVAC SYSTEMS.
2. ALL FINISHES AFFECTED BY NEW WORK SHALL BE PAINTED TO MATCH ADJACENT FINISHES.
3. ALL NEW EXPOSED DUCTWORK SHALL BE PRIMEV AND PAINTED AS DIRECTED BY THE ENGINEER.

NO.	ISSUED FOR	DATE

ILESLEY LIBRARY HEATING SYSTEM
MIDDLEBURY, VT
ILESLEY LIBRARY HEATING SYSTEM
RENOVATIONS
MECHANICAL BASEMENT PLAN

PROJ NO: 18120
DRAWN: SEF/DWD
DATE: 00/00/0000

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