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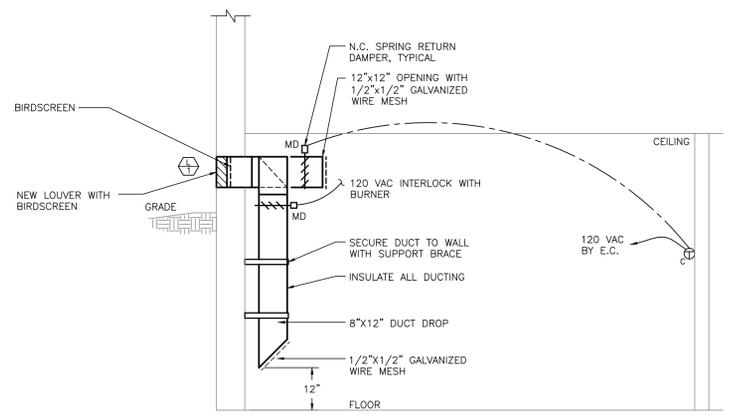
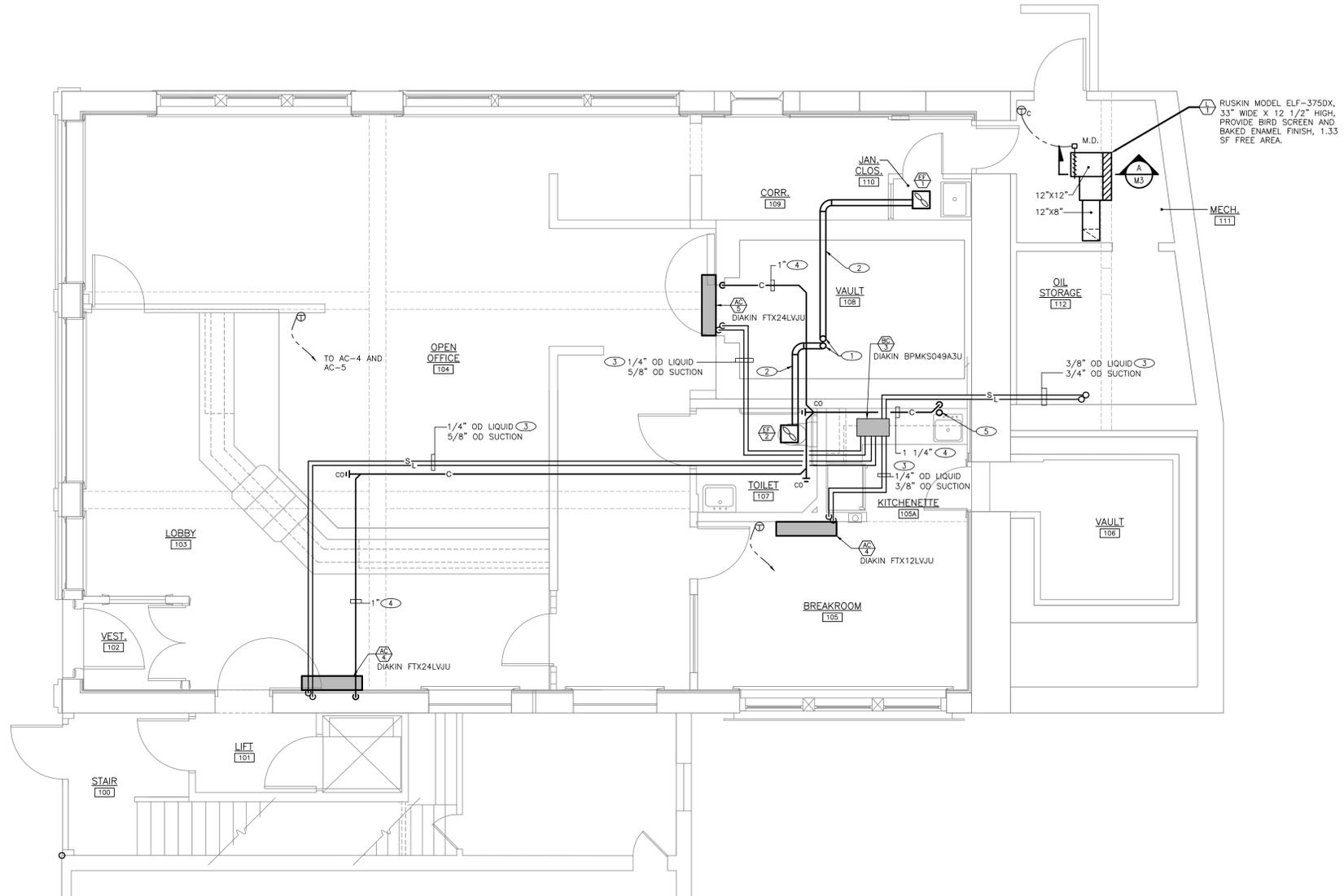


NO.	ISSUED FOR	DATE

TOWN OF BRANDON
2417 FRANKLIN STREET, BRANDON, VERMONT
TOWN OFFICES REHABILITATION
49 CENTER STREET, BRANDON, VERMONT
MECHANICAL AIR CONDITIONING
FIRST FLOOR PLAN

PROJ. NO: 15023
DRAWN: DWD
DATE: 8/3/2015

M3



M3 COMBUSTION/VENTILATION AIR DETAIL
NOT TO SCALE

GENERAL AC / EXHAUST SYSTEM NOTES:

- ALL REFRIGERANT PIPING SHALL BE TYPE ACR COPPER USING APPROVED FLARED FITTINGS OR BRAZED CONNECTIONS. TEST AND PURGE ALL PIPING PRIOR TO CHARGING. INSULATE ALL REFRIGERANT PIPING WITH ARMAFLEX INSULATION THICKNESS TO MEET THE 2015 CBES CODE.
- ALL CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC USING WASTE PATTERN SOLVENT WELDED FITTINGS. INSULATE ALL PIPING WITH 1" THICK ARMAFLEX PIPE INSULATION.
- HEAT PUMP SYSTEM SPECIFIED ON THIS DRAWING IS BASED ON DIAKIN. FINAL LINE SIZING AND SIZING OF PIPING AND PIPE ACCESSORIES SHALL BE APPROVED AND PROVIDED BY THE MANUFACTURER. INSTALL IN ACCORDANCE WITH THE LATEST PUBLISHED INSTALLATION GUIDE. EQUAL AND APPROVED SYSTEMS BY OTHER MANUFACTURERS ARE ALLOWED.
- ALL INDOOR AC UNITS SHALL BE PROVIDED WITH FACTORY INSTALLED CONDENSATE PUMPS.
- ALL AC-UNITS SHALL BE PROVIDED WITH A HARDWIRED WALL MOUNTED CONTROLLERS. PROVIDE ALL CONTROL WIRING IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- EXHAUST DUCTWORK SHALL BE CONSTRUCTED USING SMACNA STANDARD FOR 1" PRESSURE CLASS DUCTWORK. ALL DUCTWORK SHALL BE SEALED WITH APPROVED DUCT SEALANT MASTIC. INSULATE ALL DUCTWORK USING FIBERGLASS DUCT WRAP AS NOTED.
- EST ALL SYSTEMS AT 1.5 TIMES THE MAXIMUM OPERATING PRESSURE FOR 4 HOURS WITH NO DROP IN PRESSURE.

**MECHANICAL AIR CONDITIONING
FIRST FLOOR PLAN**
SCALE: 1/4"=1'-0"

EXHAUST EQUIPMENT NOTES:

- PANASONIC WHISPER GREEN SELECT WITH FV-MSK1 MOTION SENSOR AND FV-VS15VK1 MULTI-SPEED FAN TIME DELAY. SET FAN TO RUN AT 50 CFM HIGH SPEED AND 30 CFM CONTINUOUS. MAX. 0.27 AMPS AT 120 VOLTS, 1 PHASE. PROVIDE WALL CAP WITH BACKDRAFT DAMPER.
- PANASONIC WHISPER GREEN SELECT WITH FV-MSK1 MOTION SENSOR AND FV-VS15VK1 MULTI-SPEED FAN TIME DELAY. SET FAN TO RUN AT 50 CFM HIGH SPEED AND 30 CFM CONTINUOUS. MAX. 0.27 AMPS AT 120 VOLTS, 1 PHASE. PROVIDE WALL CAP WITH BACKDRAFT DAMPER.
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DRAWING NOTES: (APPLY TO THIS DRAWING ONLY)

- 4" EXHAUST DUCT UP.
- RUN DUCTWORK IN VOID SPACE ABOVE VAULT.
- LOCATE REFRIGERANT PIPING ABOVE CEILING. FINAL LINE SIZING TO BE PROVIDED BY THE MANUFACTURER. INSULATE ALL REFRIGERANT PIPING WITH 1" THICK INSULATION.
- RUN CONDENSATE PIPING IN CEILING SPACE. INSULATE WITH 1" ARMAFLEX. TERMINATE AT JANITORS SINK.
- PROVIDE 2" FUNNEL DRAIN BELOW SINK AND TERMINATE 1 1/4" CONDENSATE DRAIN USING INDIRECT WASTE CONNECTION.