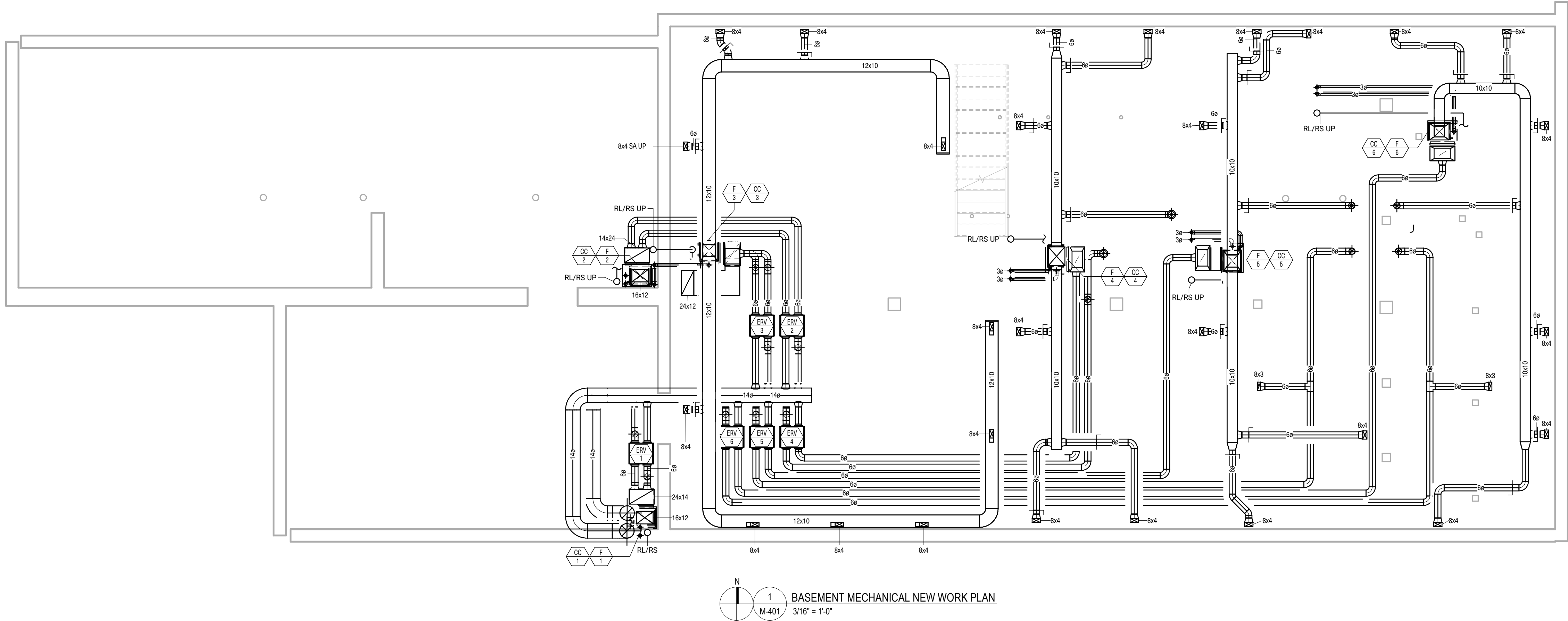




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M-401
BASEMENT MECHANICAL NEW WORK PLAN
3/16" = 1'-0"

MECHANICAL - GENERAL NOTES

1. THESE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC AND ARE NOT TO BE CONSIDERED FABRICATION OR SHOP DRAWINGS. COORDINATE PIPING AND DUCTWORK AMONGST OTHER TRADES AS REQUIRED.
2. PROVIDE ALL NECESSARY CLEARANCES AROUND MECHANICAL AND ELECTRICAL EQUIPMENT, DEVICES, VALVES, AND ANY COMPONENT REQUIRING MAINTENANCE PER MANUFACTURER RECOMMENDATIONS AND CODE REQUIREMENTS.
3. COORDINATE ROUTING OF PIPING AND SHEET METAL WITH ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL TRADES TO AVOID INTERFERENCES. PROVIDE ADDITIONAL FITTINGS, OFFSETS, AND ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER FIELD CONDITIONS AND ARE NECESSARY TO AVOID CONFLICTS.
4. MOUNT THERMOSTATS 48" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.
5. PROVIDE ACCESS DOORS IN DUCTWORK TO PROVIDE ACCESS FOR ALL SMOKE DETECTORS, FIRE DAMPERS, SMOKE DAMPERS, VOLUME DAMPERS, HUMIDIFIERS, COILS, AND OTHER ITEMS LOCATED IN THE DUCTWORK THAT REQUIRE SERVICE AND/OR INSPECTION.
6. PROVIDE ACCESS DOORS IN HARD CEILINGS FOR THE OPERATION, ADJUSTMENT, AND MAINTENANCE OF ALL FANS, VALVES, AND MECHANICAL EQUIPMENT.
7. DUCTWORK AND PIPING SHALL NOT BE LOCATED OVER ANY ELECTRICAL EQUIPMENT OR PANELS. PROVIDE REQUIRED N.E.C. CLEARANCE IN FRONT AND ABOVE ELECTRICAL EQUIPMENT.
8. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL FOR THE PROPER INSTALLATION AND SUPPORT OF MECHANICAL SYSTEMS.
9. CONTRACTOR SHALL VERIFY THERE ARE NO COMBUSTIBLES IN ANY RETURN AIR PLENUM. IF COMBUSTIBLES ARE PRESENT CONTRACTOR SHALL COORDINATE WITH ARCHITECT/ENGINEER FOR COURSE OF ACTION. DUCTED RETURN SYSTEM OR ELIMINATE COMBUSTIBLES WITH FIREPROOF, WRAP, OR BY OTHER MEANS.
10. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURE RECOMMENDATIONS AND REQUIREMENTS.
11. MECHANICAL AIR HANDLING EQUIPMENT SHALL HAVE DUCT DETECTOR IN RETURN AND/OR SUPPLY DUCT. SMOKE DETECTION WILL SHUT OFF HVAC UNIT UPON ACTIVATION. THE ACTIVATION OF THE SMOKE DETECTOR SHALL ACTIVATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION OR TIE INTO FIRE ALARM PANEL IF ONE EXISTS. SMOKE DETECTION DEVICES THAT ARE NOT VISIBLE SHALL BE PROVIDED WITH A REMOTE INDICATION DEVICE PER CODE.

MECHANICAL CONSTRUCTION KEYNOTES

- A. PROVIDE A CEILING RADIATION DAMPER COMPLYING WITH UL 885C, 212 DEG SETTING FUSIBLE LINK.
- B. TERMINATE 3" FURNACE INTAKE AND FLUE UP THROUGH ROOF PER MANUFACTURE REQUIREMENTS. REFER TO ARCHITECTURAL FOR ROOF FLASHING.
- C. TERMINATE 4" DRYER EXHAUST UP THROUGH ROOF AND TERMINATE WITH GOOSENECK LESS BIRDSCREEN.