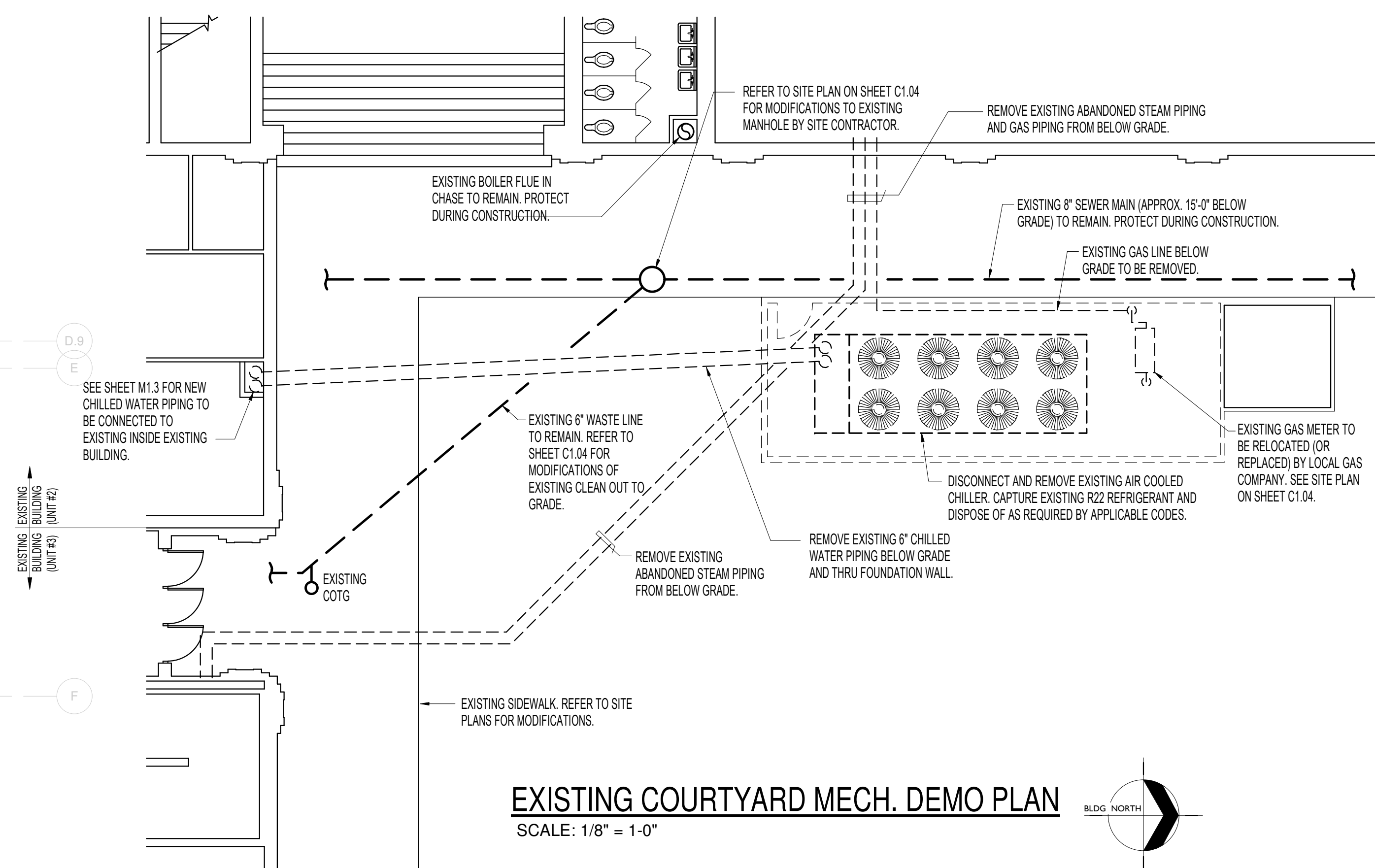
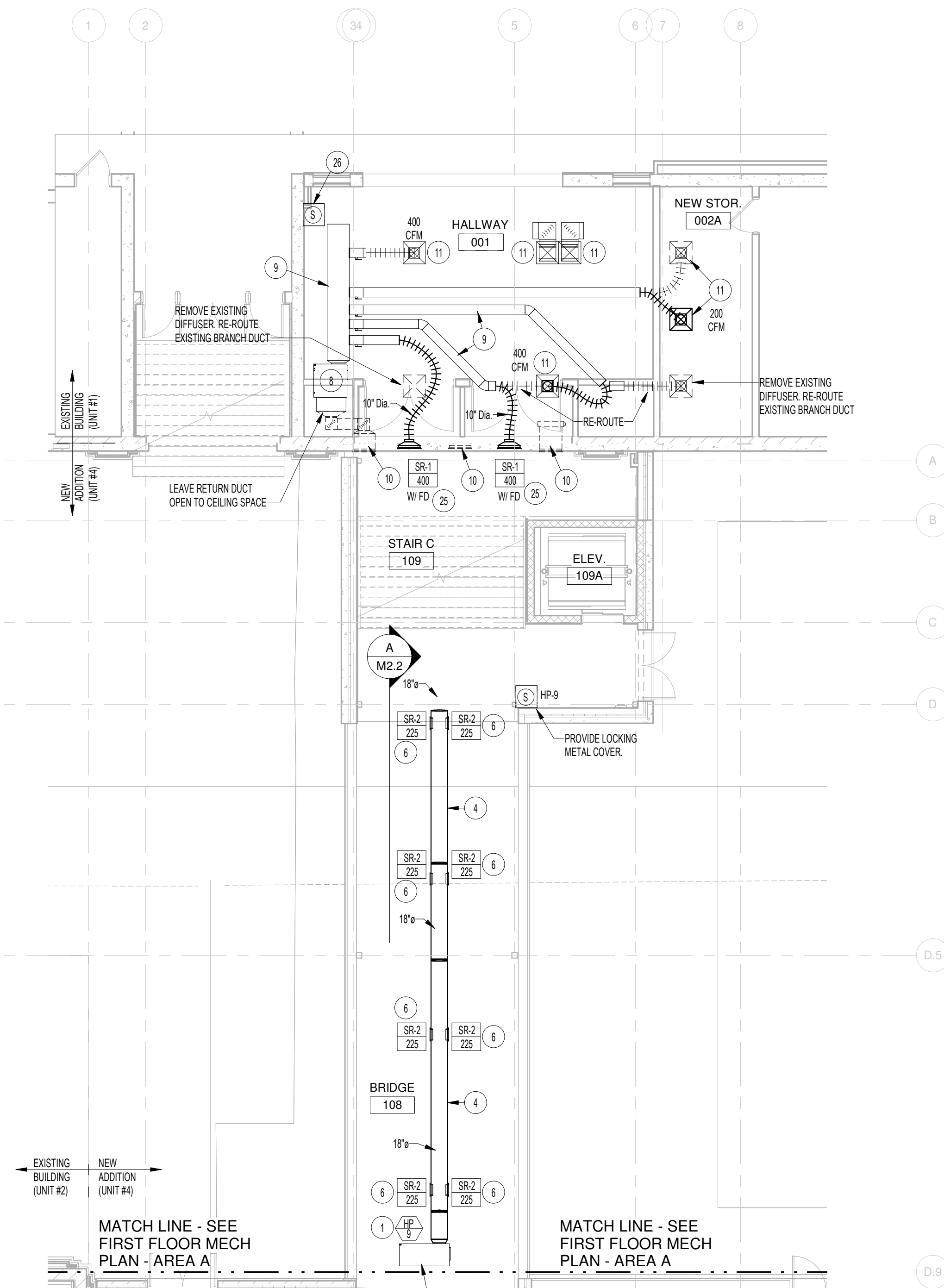


**FIRST FLOOR MECHANICAL PLAN - AREA A**  
SCALE: 1/8" = 1'-0"



**EXISTING COURTYARD MECH. DEMO PLAN**  
SCALE: 1/8" = 1'-0"



**FIRST FLOOR MECHANICAL PLAN - AREA B**  
SCALE: 1/8" = 1'-0"

**PLAN NOTES:**

- 1 PROVIDE AND INSTALL WATER SOURCE HEAT PUMP AS SPECIFIED. MOUNT UNIT ABOVE CORRIDOR CEILING AND SUPPORT FROM STRUCTURE ABOVE. PROVIDE FLEXIBLE DUCT CONNECTIONS ON SUPPLY AND RETURN DUCTS. PROVIDE 2" HIGH SHEET METAL DRAIN PAN BELOW UNIT. REFER TO DETAIL MM1.1 FOR TYPICAL INSTALLATION.
- 2 PROVIDE AND INSTALL OUTSIDE AIR LOUVER IN EXTERIOR WALL. LOUVER TO BE COORDINATED WITH BUILDING STRUCTURE. CENTER LOUVER ABOVE DOORWAY. REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL PLACEMENT OF LOUVER.
- 3 RUN DUCTWORK EXPOSED IN ROOMS WITHOUT CEILINGS. KEEP DUCT AS TIGHT TO STRUCTURE AS POSSIBLE.
- 4 PROVIDE AND INSTALL SUPPLY REGISTER AS SPECIFIED IN BOTTOM OF DUCT. BALANCE TO CFM AS INDICATED. REFER TO DETAIL MM3.1 FOR TYPICAL INSTALLATION.
- 5 MOUNT GRIFFIN IN SIDE OF SPIRAL DUCT. REFER TO DETAIL MM3.1 FOR TYPICAL INSTALLATION.
- 6 MOUNT SUPPLY REGISTER IN WALL AT 12'-6" ABOVE FLOOR. PROVIDE FIRE DAMPER IN EACH REGISTER WHERE INDICATED.
- 7 EXISTING HEAT PUMP TO REMAIN. PROTECT DURING CONSTRUCTION. DISCONNECT FROM EXISTING OUTSIDE AIR LOUVER.
- 8 EXISTING DUCTWORK TO REMAIN UNLESS NOTED OTHERWISE. PROTECT DURING CONSTRUCTION.
- 9 REMOVE EXISTING OUTSIDE AIR LOUVER AND ALL ASSOCIATED DUCTWORK THRU WALL DURING DEMO PHASE. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION OF WALLS, FLOORS AND CEILINGS IN THIS AREA.
- 10 EXISTING CEILING DIFFUSER AND/OR RETURN AIR GRIFFIN TO REMAIN. ADJUST LOCATION OF GRIFFIN AS REQUIRED FOR NEW CEILING GRID AND LIGHT FIXTURES. BALANCE TO CFM AS INDICATED.
- 11 PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. PROVIDE BACK-DRAFT DAMPER AT FAN DISCHARGE. CONNECT 8" DIA. DUCT TO 12x12 VERTICAL DUCT THRU ROOF. REFER TO DETAIL TM1.1 FOR TYPICAL DUCT CONNECTIONS.
- 12 PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. PROVIDE BACK-DRAFT DAMPER AT FAN DISCHARGE. CONNECT 8" DIA. DUCT TO 8" DIA. VERTICAL DUCT THRU ROOF. REFER TO DETAIL TM3.1 FOR TYPICAL DUCT CONNECTIONS.
- 13 RISE 8" DIA. EXHAUST DUCT UP THRU UPPER FLOOR. REFER TO SHEET M1.2 FOR CONTINUATION. EXTEND THRU ROOF WITH ROOF CAP. REFER TO DETAIL TM3.1 FOR TYPICAL ROOF CAP INSTALLATION.
- 14 PROVIDE AND INSTALL GAS FRED OUTSIDE AIR UNIT AS SPECIFIED. SUPPORT FROM STRUCTURE ABOVE. RISE 12" DIA. VENTS UP IN WALL ON UPPER LEVEL. SEE SHEET M1.2 FOR CONTINUATION. REFER TO DETAIL MM1.1 FOR TYPICAL CONNECTIONS.
- 15 DISCONNECT AND REMOVE EXISTING 4" BY 8" OUTSIDE AIR LOUVER AND ACCESS DOOR. REFER TO ARCHITECTURAL DRAWINGS FOR PATCHING OF EXISTING WALL. EXISTING AIR CHASE BEHIND LOUVER TO REMAIN. EXISTING OPENING TO BASEMENT FAN ROOM TO REMAIN CLEAR OF OBSTACLES AND DEBRIS.
- 16 EXISTING 46-00 OUTSIDE AIR DUCT UP IN CHASE AND ABOVE STORAGE TO REMAIN. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING DUCT. REMOVE END OF EXISTING DUCT NEAR EXISTING LOUVER BEING REMOVED. REFER TO NOTE 21.
- 17 CONNECT NEW 46-00 OUTSIDE AIR DUCT TO EXISTING 46-00 DUCT ABOVE BAND STORAGE ROOM. RUN ABOVE OFFICE AND STORAGE ROOMS AS SHOWN. TRANSITION TO 24-18 TO PASS THRU EXISTING CORRIDOR WALL. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING WALLS AND CEILINGS.
- 18 EXTEND 24-18 OUTSIDE AIR DUCT THRU EXISTING CORRIDOR WALL AS SHOWN. CONNECT 24-18 DUCT PERPENDICULAR TO EXTENSION AND RISE UP INTO JOIST SPACE. RUN TO EXTERIOR WALL AND RISE UP THRU EXISTING OUTSIDE AIR LOUVER. CONCRETE FLOOR WITHIN PLENUM SPACE IN MECHANICAL ROOM ABOVE. REFER TO SECTION DM2.2 FOR PLENUM SPACE. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING OF EXISTING WALLS AND CONCRETE FLOOR. WRAP ALL EXISTING JOISTS PENETRATING NEW DUCT WITH SHEET METAL.
- 19 INTERRUPT EXISTING 13-10 RELIEF AIR DUCT WHERE NEW 6-18 OUTSIDE AIR DUCT EXTENDS INTO CORRIDOR. REMOVE ALL EXISTING DUCTWORK AND SOFFIT GRIFFIN AS SHOWN. CONNECT EXISTING 12-10 DUCT TO NEW 24-18 DUCT AND PROVIDE BACK-DRAFT DAMPER WITH AIR FLOW TOWARDS EXTERIOR WALL. PROVIDE TRANSITIONS AS REQUIRED TO MATCH EXISTING 12-10 DUCT TO ELEVATION OF NEW 24-18 DUCT.
- 20 DISCONNECT AND REMOVE EXISTING COMBUSTION AIR LOUVER AT GRADE LEVEL AND/OR HIGH ABOVE EXISTING SIDEWALK. REMOVE EXISTING AREAWAY GRATING. AREA WAY TO BE REMOVED AND WALL TO BE PATCHED BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS. PROVIDE NEW ROUND DUCT THRU EXISTING WALL AS CALLED OUT. REFER TO LARGE SCALE PLAN DM2.1 AND TO SECTIONS HM2.3 AND JM2.3.
- 21 INSTALL NEW ROUND COMBUSTION AIR DUCTS BELOW GRADE AS CALLED OUT. EXTEND NEW DUCT INTO EXISTING BOILER ROOM WHERE LOUVER WAS REMOVED. SEE NOTE 20. COORDINATE ROUTING OF DUCT WITH FOOTINGS AND FOUNDATION WALLS. REFER TO STRUCTURAL DRAWINGS. REFER TO SECTIONS HM2.3 AND JM2.3 HORIZONTAL DUCTS TO BE PVC COATED.
- 22 EXTEND END OF 24-18 DUCT INTO 30x16 VERTICAL DUCT IN CHASE ABOVE. COORDINATE DUCT LOCATION WITH FOOTINGS. REFER TO SECTION DM2.2 AND TO DETAIL SR1.1 FOR TYPICAL CONNECTION. VERTICAL DUCT TO BE PVC COATED.
- 23 PROVIDE AND INSTALL NEW SUPPLY REGISTER AS SPECIFIED. MOUNT AS LOW AS POSSIBLE (ABOVE CEILING) THRU EXISTING WALL. CONNECT TO EXISTING 10" DIA. BRANCH DUCT AND BALANCE TO CFM AS INDICATED.
- 24 EXISTING ROOM SENSOR TO BE REMOVED AND RETAINED. RE-INSTALL ON NEW WALL FINISH. REFER TO ARCHITECT'S PLANS FOR NEW WALL FINISHES. EXTEND OR REMOVE EXISTING CONTROL WIRING AND CONDUIT AS REQUIRED FOR NEW LOCATION.

BID SET - 01/24/2020

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Sheet:  
**FIRST FLOOR MECHANICAL PLAN - AREAS A AND B**

Revisions:		
1	ADDENDUM #1	01/22/20

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**M1.1**