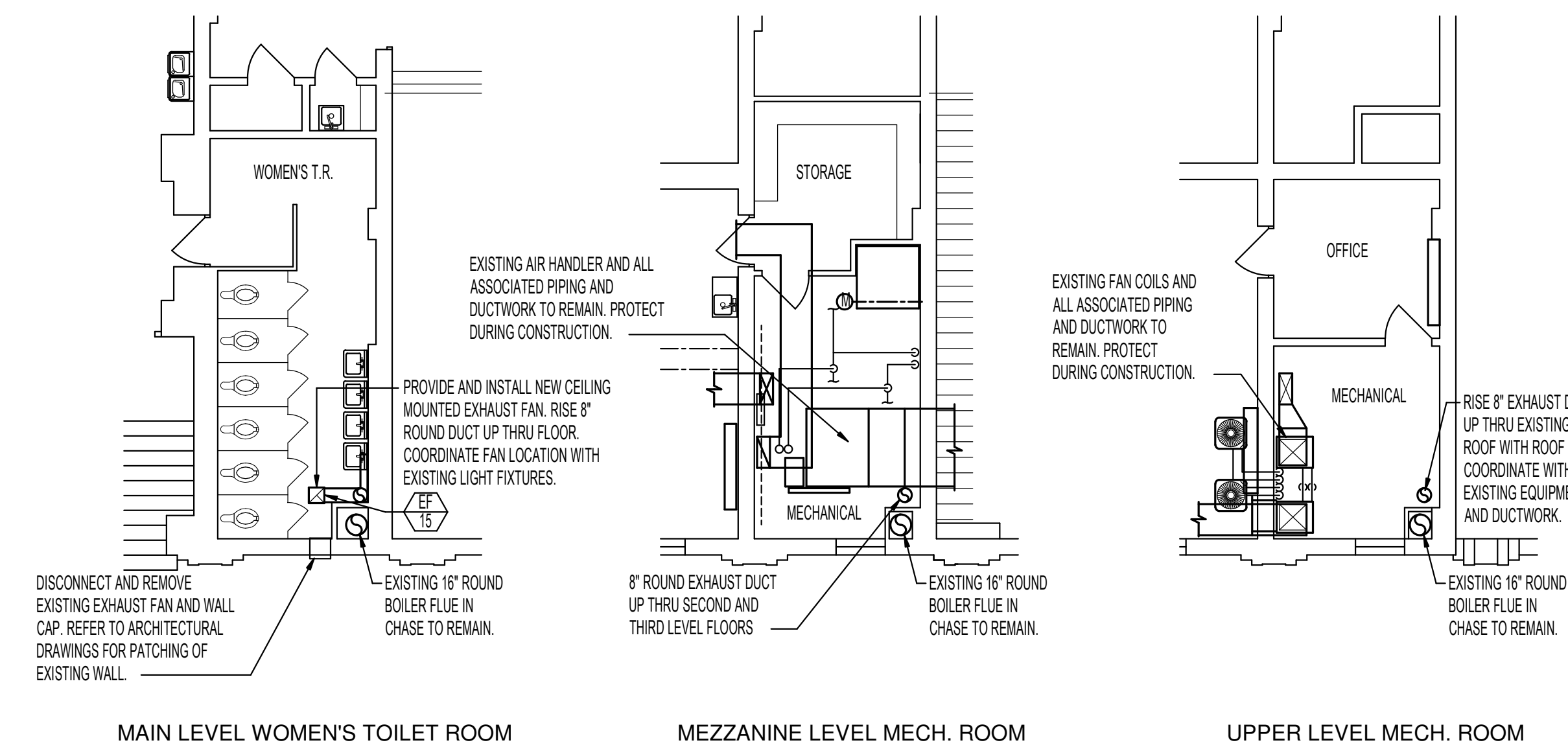


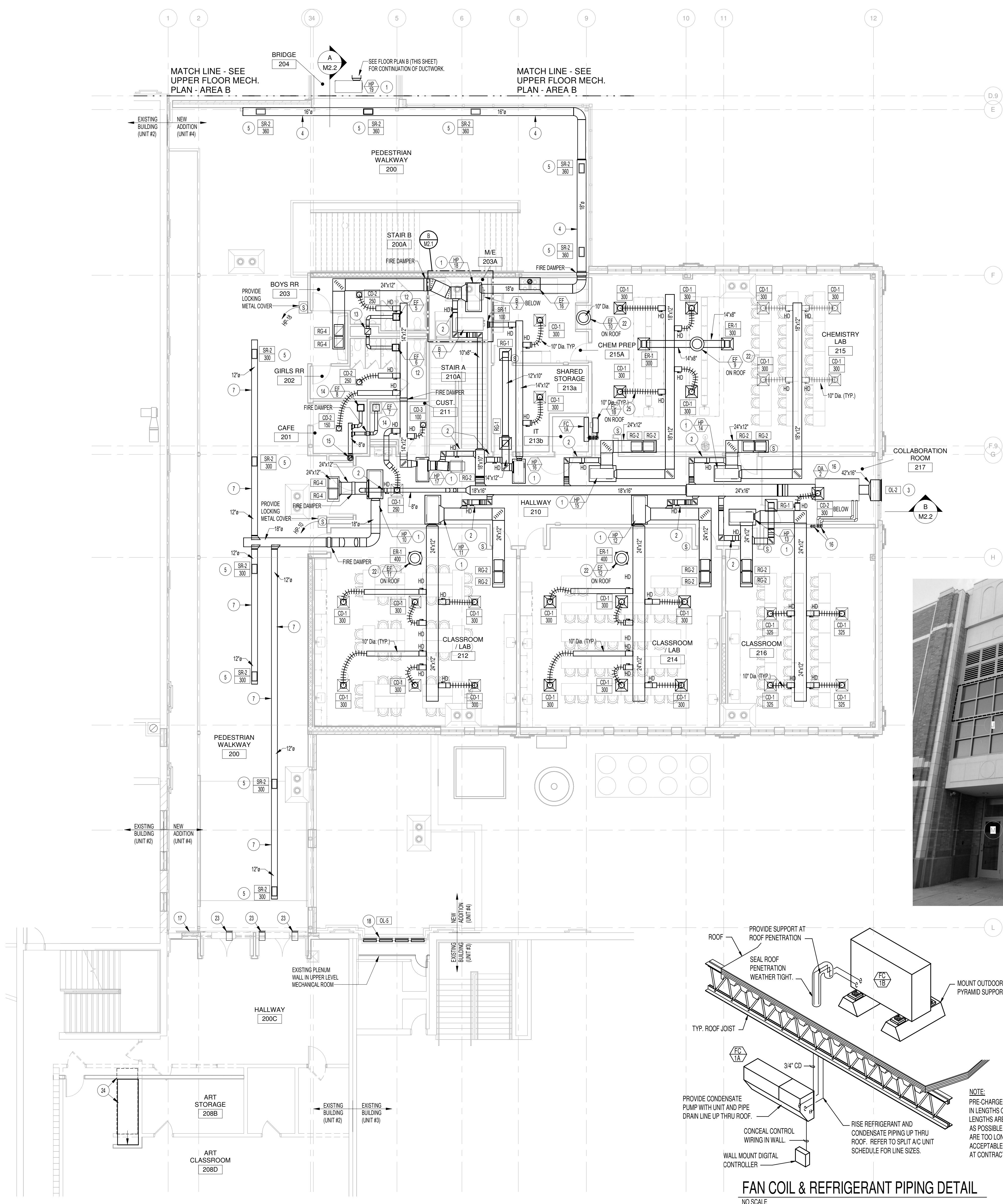
PLAN NOTES:

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 M2.1 FOR TYPICAL INSTALLATION.
2. CONNECT 106 OUTSIDE AIR DUCT TO RETURN DUCT AT EACH UNIT. PROVIDE DUCT ACCESS DOOR AND MANUAL BALANCING DAMPER IN EACH DUCT. REFER TO DETAIL BM3.1 FOR TYPICAL DAMPER INSTALLATION. SEE SCHEDULE FOR CFM TO EACH UNIT.
3. PROVIDE AND INSTALL OUTSIDE AIR LOUVER IN EXTERIOR WALL. LOUVER TO BE COORDINATED WITH BUILDING STRUCTURE. CENTER LOUVER ABOVE WINDOWS. REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL PLACEMENT OF LOUVER.
4. RUN DUCTWORK EXPOSED IN ROOMS WITH NO CEILING. KEEP DUCT AS TIGHT TO STRUCTURE AS POSSIBLE.
5. PROVIDE AND INSTALL SUPPLY REGISTER AS SPECIFIED IN BOTTOM OF DUCT. BALANCE TO CFM AS INDICATED. REFER TO DETAIL HM3.1 FOR TYPICAL INSTALLATION.
6. MOUNT GRILLE IN SIDE OF SPIRAL DUCT. REFER TO DETAIL HM3.1 FOR TYPICAL INSTALLATION.
7. RUN SPIRAL DUCT THRU JOIST SPACE. COORDINATE WITH JOIST WEBBING AND LIGHT FIXTURES.
8. EXISTING HEAT PUMP TO REMAIN. PROTECT DURING CONSTRUCTION. DISCONNECT FROM EXISTING OUTSIDE AIR LOUVER.
9. EXISTING DUCTWORK TO REMAIN UNLESS NOTED OTHERWISE. PROTECT DURING CONSTRUCTION.
10. REMOVE EXISTING EXHAUST GRILLES. ALL ASSOCIATED DUCTWORK THRU ROOF AND EXISTING ROOF MOUNTED EXHAUST FAN DURING DEMOLITION PHASE. SEAL EXISTING ROOF CURB WATER TIGHT WITH SHEET METAL.
11. EXISTING CEILING DIFFUSER AND/OR RETURN AIR GRILLE TO REMAIN. ADJUST LOCATION OF GRILLE AS REQUIRED FOR NEW CEILING GRID AND LIGHT FIXTURES. BALANCE TO CFM AS INDICATED.
12. 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 TM3.1 FOR TYPICAL DUCT CONNECTIONS.
13. RISE 12x12 EXHAUST DUCT UP FROM LOWER FLOOR. REFER TO SHEET M1.1 FOR CONTINUATION OF DUCT BELOW. EXTEND UP THRU ROOF WITH ROOF CAP. REFER TO DETAIL TM3.1 FOR TYPICAL ROOF CAP INSTALLATION.
14. 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.
15. RISE 8" DIA. EXHAUST DUCT UP THRU UPPER FLOOR. REFER TO SHEET M1.1 FOR CONTINUATION OF DUCT BELOW. EXTEND UP THRU ROOF WITH ROOF CAP. REFER TO DETAIL TM3.1 FOR TYPICAL ROOF CAP INSTALLATION.
16. PROVIDE AND INSTALL GAS FIRED OUTSIDE AIR UNIT AS SPECIFIED. SUPPORT FROM STRUCTURE ABOVE. RISE 12" DIA. VENTS UP IN WALL FROM MAIN LEVEL. SEE SHEET M1.1 FOR CONTINUATION. EXTEND (4) VENTS UP THRU ROOF WITH CONCENTRIC TYPE FITTING. REFER TO DETAIL CM3.1.
17. DISCONNECT AND REMOVE EXISTING 4" BY 12" 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.
18. REMOVE MIDDLE SECTION OF (8) EXISTING WINDOW PANELS JUST BELOW EXISTING LOUVERS. PROVIDE AND INSTALL (8) NEW CUSTOM OUTSIDE AIR LOUVERS TO FIT IN EXISTING WINDOW FRAMEWORK. NEW LOUVERS TO MATCH EXISTING LOUVER STYLE AND COLOR. REFER TO PHOTOGRAPH. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS BEFORE ORDERING NEW LOUVERS. COLOR APPROVAL BY ARCHITECT.
19. REMOVE EXISTING DIFFUSER. RE-ROUTE EXISTING 10" FLEX DUCT AS SHOWN TO NEW REGISTER.
20. 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.
21. EXISTING ROOM SENSOR TO BE REMOVED AND RETAINED. RE-INSTALL ON NEW WALL FINISH. REFER TO ARCHITECTURAL PLANS FOR NEW WALL FINISHES. EXTEND OR REMOVE EXISTING CONTROL WIRING AND CONDUIT AS REQUIRED FOR NEW LOCATION.
22. PROVIDE AND INSTALL NEW ROOF MOUNTED EXHAUST FAN AS SPECIFIED. MOUNT FAN ON ROOF WITH ROOF CURB. DROP DUCT DOWN THRU ROOF AND CONNECT TO GRILLE LOCATED IN CEILING.
23. DISCONNECT AND REMOVE EXISTING WALL CAP AND DUCT THRU WALL. ABANDON ANY DUCTWORK INSIDE EXISTING BUILDING. REFER TO ARCHITECTURAL DRAWINGS FOR PATCHING OF EXISTING WALLS.
24. EXISTING (X) (N) TO BE RELOCATED BY GENERAL CONTRACTOR. MECHANICAL CONTRACTOR TO DISCONNECT AND RELOCATE EXISTING CANOPY HOOD. RE-INSTALL EXISTING HOOD OVER NEW KILN LOCATIONS. RECONNECT TO EXISTING DUCTWORK THRU ROOF AND ROOF MOUNTED EXHAUST FAN. FIELD VERIFY NEW AND EXISTING CONDITIONS. PROVIDE NEW DUCTWORK AND FITTINGS AS REQUIRED TO RECONNECT TO EXISTING EQUIPMENT.
25. MOUNT INDOOR FAN COIL UNITS IN WALL AS HIGH AS POSSIBLE. RISE REFRIGERANT LINES UP THRU ROOF IN GOOSENECK SLEEVE. RISE CONDENSATE DRAIN LINE UP WITH REFRIGERANT PIPING AND TERMINATE ABOVE ROOF. REFER TO DETAIL DM3.1 FOR TYPICAL GOOSENECK SLEEVE INSTALLATION. REFER TO REFRIGERANT PIPING DIAGRAM ON THIS SHEET FOR TYPICAL REFRIGERANT PIPING.

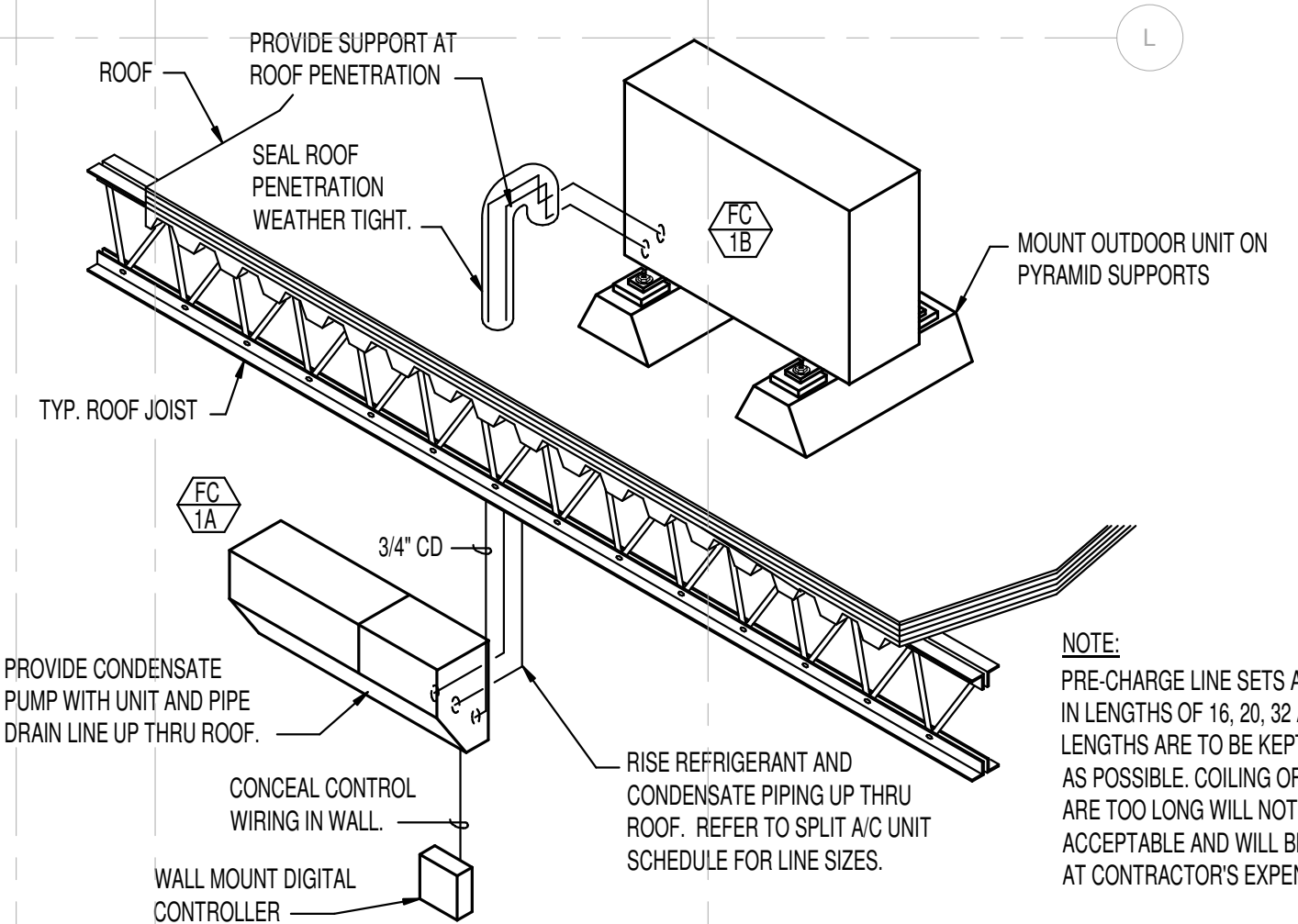
NOTE:
UNLESS NOTED OTHERWISE, ALL EXISTING PIPING, DUCTWORK AND EQUIPMENT IN EXISTING UNIT #2 BUILDING TO REMAIN. PROTECT EXISTING EQUIPMENT, DUCTWORK AND PIPING DURING PROJECT AND COORDINATE WITH NEW EQUIPMENT DUCTWORK AND PIPING BEING INSTALLED.



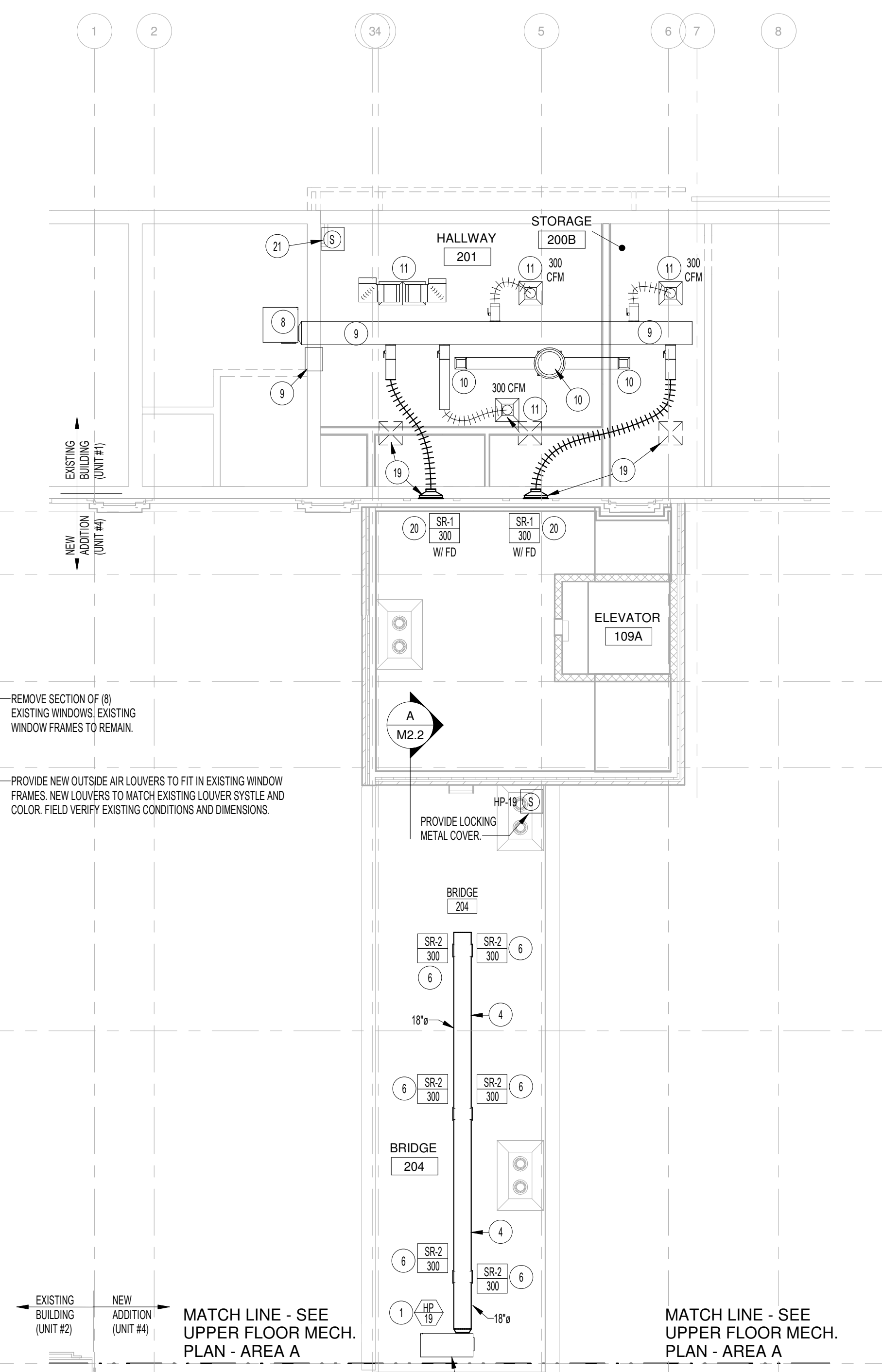
EXISTING UNIT #2 FLOOR PLANS
SCALE: 1/8" = 1'-0"



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



FAN COIL & REFRIGERANT PIPING DETAIL
NO SCALE



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

BID SET - 01/24/2020

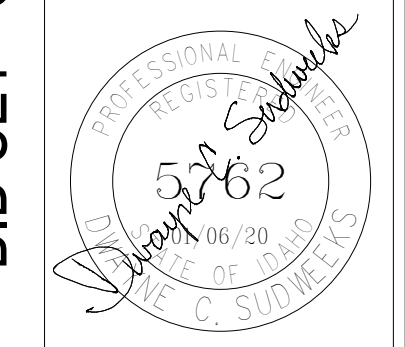
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Project:
POCATELLO HIGH SCHOOL - ADDITION & RENO.

325 N ARTHUR AVE
POCATELLO, ID 83204

Sheet:
SECOND FLOOR MECHANICAL PLAN - AREAS A AND B

Revisions: Δ
1 01/24/2020



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Checked By: D Sudweeks
Date: 01/24/2020

Sheet No: **M1.2**