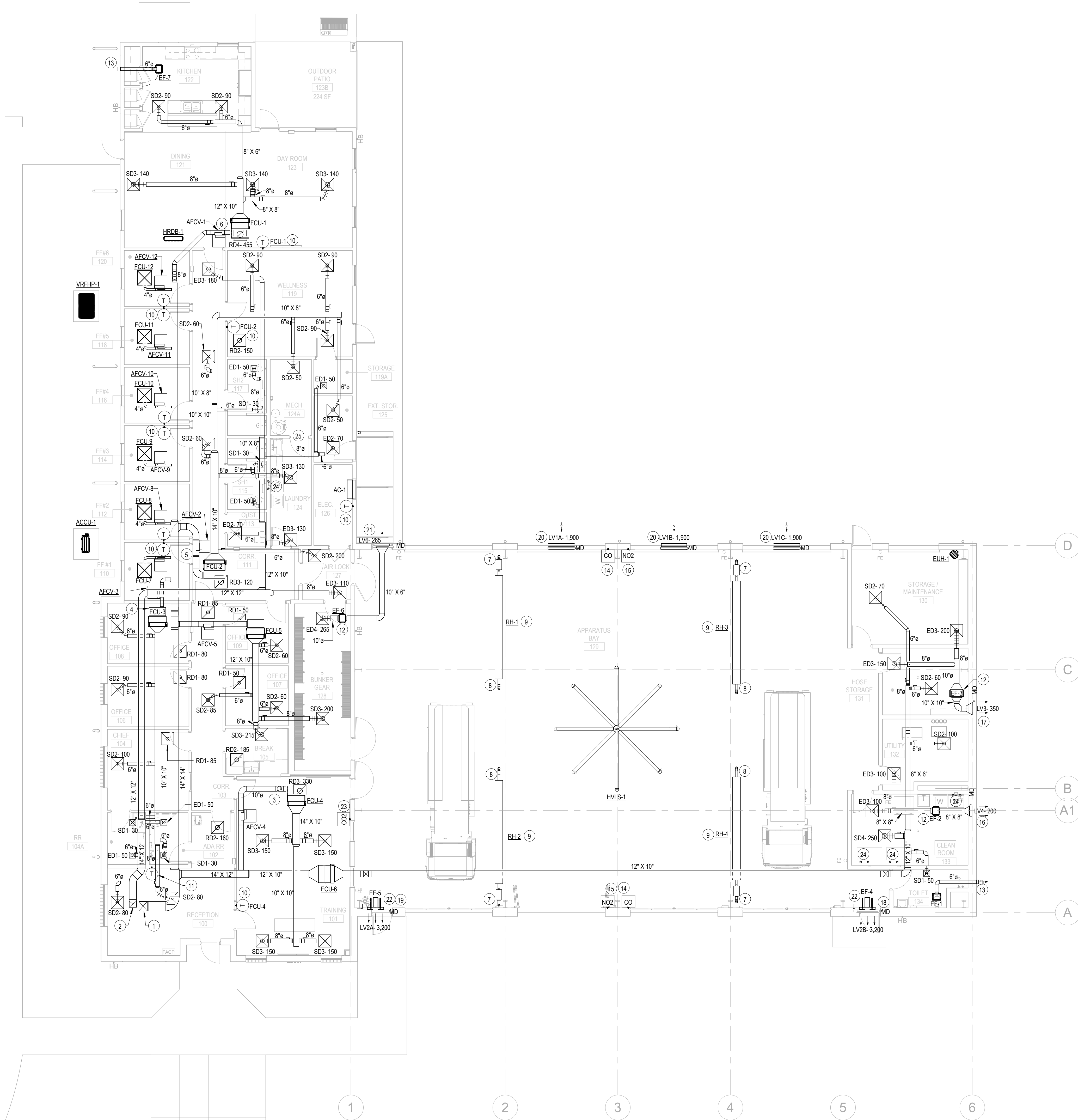


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FILE PATH: AutodesK Docs/REVIT 2025/26D LS035 Madison GA Fire Station, RESTL MEP_R05.rvt



1 FIRST FLOOR MECHANICAL PLAN
1/8" = 1'-0"

HVAC GENERAL NOTES

- COORDINATE CEILING DIFFUSERS WITH LIGHTS, SPRINKLER HEADS, AND SMOKE DETECTORS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING DEVICES.
- PROVIDE FIRE AND SMOKE DAMPERS IN DUCTS THAT PASS THROUGH RATED WALLS, EVEN IF NOT INDICATED ON PLANS.
- COORDINATE ALL PIPES AND DUCTWORK IN CEILING AREAS TO BE RUN NEATLY AND PERPENDICULAR OR PARALLEL TO JOISTS. INSTALL DUCTWORK PER ASHRAE STANDARDS.
- CONTRACTOR SHALL COORDINATE DUCT PENETRATIONS WITH STRUCTURAL DRAWINGS.
- THE DUCTWORK PLANS ARE DIAGRAMMATIC. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO MAKE THE DUCTWORK FIT. MODIFY AS REQUIRED.
- PROVIDE BALANCE DAMPERS IN GRILLES AND DIFFUSERS, UNLESS LOCATED IN LAY-IN CEILING, THEN PROVIDE DAMPERS AT TAPS.
- MAINTAIN 10" SEPARATION OF OUTSIDE AIR INTAKE TO EXHAUST AND DRYER VENTS.
- PROVIDE CEILING RATED DAMPERS ON GRILLES AND DIFFUSERS THAT ARE MOUNTED IN RATED CEILINGS.
- MAINTAIN MINIMUM 10" CLEARANCE TO ROOF EDGE FOR ALL ROOF MOUNTED MECHANICAL EQUIPMENT AND PENETRATIONS.
- ALL EXPOSED DUCTWORK ROUTED ON THE ROOF TO HAVE A MINIMUM R-8 INSULATION.

PLAN NOTES

- 18" X 16" SUPPLY AIR DUCT FROM ROOF DOAS-1.
- 14" X 12" EXHAUST AIR DUCT FROM ROOF DOAS-1.
- 10" OUTSIDE AIR DUCT, CONNECT TO FCU-4 RETURN DUCT.
- 10" OUTSIDE AIR DUCT, CONNECT TO FCU-3 RETURN DUCT.
- 12" X 10" OUTSIDE AIR DUCT, CONNECT TO FCU-2 RETURN DUCT.
- 8" OUTSIDE AIR DUCT, CONNECT TO FCU-1 RETURN DUCT.
- 4" INTAKE AIR DUCT FROM ROOF, CONNECT TO RADIANT HEATER.
- 4" FLUE EXHAUST AIR DUCT FROM ROOF, CONNECT TO RADIANT HEATER.
- GAS RADIANT HEATER IS EQUIPPED WITH THERMOSTAT. BOTTOM OF HEATER 14'-4" AFF.
- 7 DAY PROGRAMMABLE THERMOSTAT INSTALL ABOVE 4' AFF.
- 7 DAY PROGRAMMABLE THERMOSTAT (FCU-3) INSTALL ABOVE 4' AFF.
- INLINE EXHAUST FAN WITH BACKDRAFT DAMPER, SUSPENDED FROM STRUCTURES ABOVE.
- CONNECT 6" ROUND EXHAUST AIR DUCT TO WALL MOUNTED EXHAUST VENT CAP. COVER THE OPENING WITH BIRD SCREEN.
- MOUNT CO(CARBON MONOXIDE) SENSOR 36" AFF.
- MOUNT NO2(NITROGEN DIOXIDE) SENSOR 36" AFF.
- PROVIDE 18x18 EA LOUVER WITH 1.0 SF FREE AREA AND MOTORIZED DAMPER. MOTORIZED DAMPER SHALL BE INTERLOCKED WITH EXHAUST FAN EF-2.
- PROVIDE 24x24 EA LOUVER WITH 1.5 SF FREE AREA AND MOTORIZED DAMPER. MOTORIZED DAMPER SHALL BE INTERLOCKED WITH EXHAUST FAN EF-3.
- PROVIDE 48x48 EA LOUVER WITH 9.0 SF FREE AREA AND MOTORIZED DAMPER. MOTORIZED DAMPER SHALL BE INTERLOCKED WITH EXHAUST FAN EF-4.
- PROVIDE 48x48 EA LOUVER WITH 9.0 SF FREE AREA AND MOTORIZED DAMPER. MOTORIZED DAMPER SHALL BE INTERLOCKED WITH EXHAUST FAN EF-5.
- PROVIDE 48x36 OA LOUVER WITH 6.4 SF FREE AREA AND MOTORIZED DAMPER SHALL BE INTERLOCKED WITH EXHAUST FAN EF-5 & EF-6.
- PROVIDE 24x14 EA LOUVER WITH 0.75 SF FREE AREA AND MOTORIZED DAMPER. MOTORIZED DAMPER SHALL BE INTERLOCKED WITH EXHAUST FAN EF-6.
- EXHAUST FANS EF-5 & EF-6 SHALL BE INTERLOCKED WITH NO2 AND CO SENSORS.
- MOUNT CO2(CARBON DIOXIDE) SENSOR 48" AFF.
- 4" INTAKE AIR AND FLUE EXHAUST DUCT CONNECT TO COMBINATION VENT CAP ON ROOF FOR DRYER.
- 1" DOOR UNDERCUT.



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RFP 2027-3500-01

FIRE STATION MADISON, GA

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BID DOCUMENTS

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Checked by: ANM
Revisions:

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FIRST FLOOR
MECHANICAL
PLAN

M210