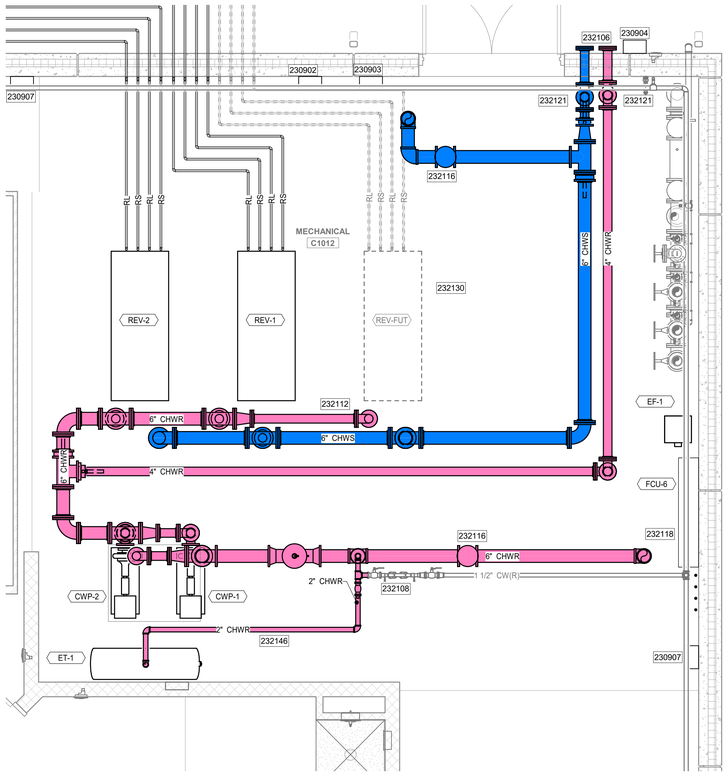
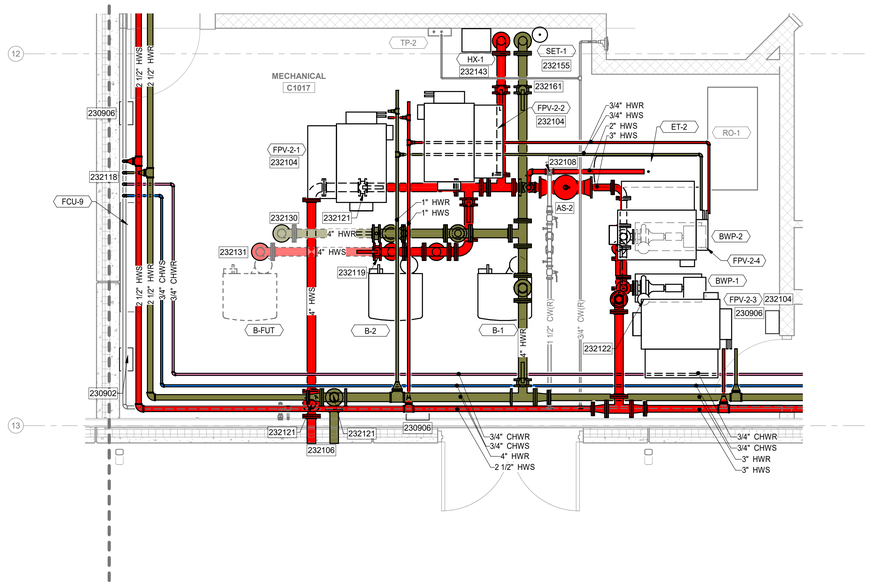
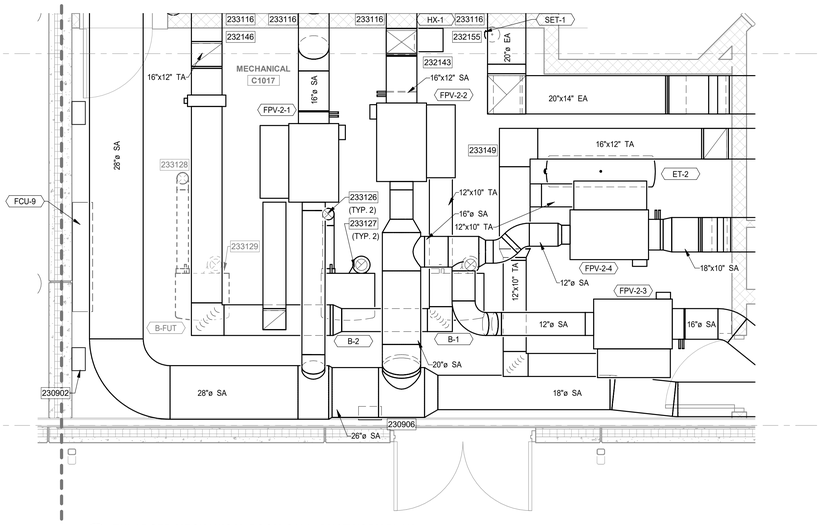


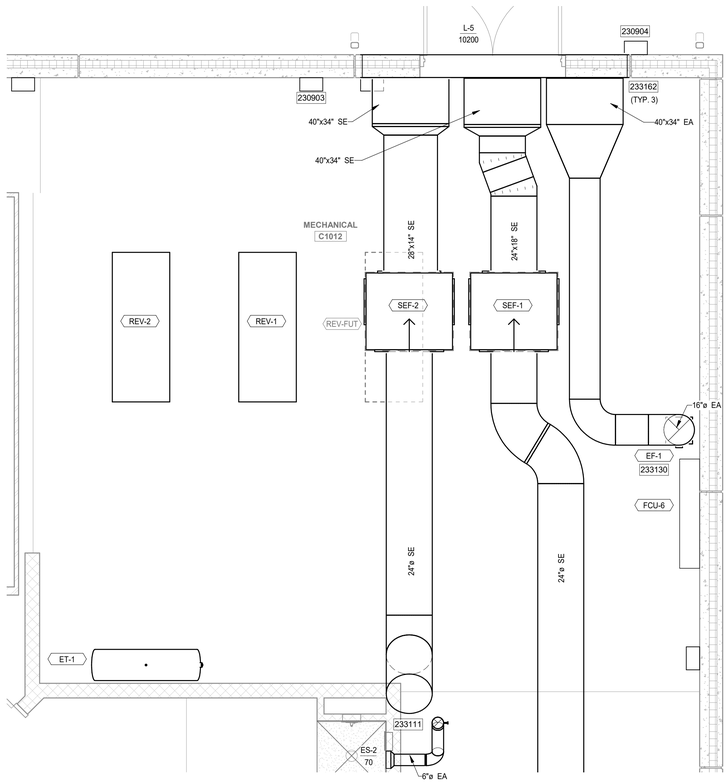
3 **ENLARGED MECHANICAL ROOM C1012 HYDRONIC PLAN**
SCALE: 3/8" = 1'-0"



2 **ENLARGED MECHANICAL ROOM C1017 HYDRONIC PLAN**
SCALE: 3/8" = 1'-0"



1 **ENLARGED MECHANICAL ROOM C1017 DUCTWORK PLAN**
SCALE: 3/8" = 1'-0"



4 **ENLARGED MECHANICAL ROOM C1012 DUCTWORK PLAN**
SCALE: 3/8" = 1'-0"

GENERAL MECHANICAL NOTES

A. REFER TO SHEETS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

E. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO ARCHITECTURAL DIMENSIONED DRAWINGS.

F. REFER TO DETAIL SHEETS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

G. DEVIATIONS FROM BASIS OF DESIGN THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR. COORDINATE ALL WORK WITH OTHER TRADES.

H. PROVIDE SECURITY BARS ON ALL DUCTWORK GREATER THAN 8"X8" OR 64 SQUARE INCH AREA WHERE PENETRATIONS OF SECURITY WALL TO DECK, FLOOR OR STRUCTURE ABOVE OCCURS WHETHER GRAPHICALLY INDICATED ON THE MECHANICAL PLANS OR NOT. SEE ARCHITECTURAL SECURE WALL PLAN DRAWING G1.6 AND G1.7 FOR SECURITY WALL LOCATIONS AND TYPE.

I. CONTRACTOR TO COORDINATE ROUTING OF ALL MECHANICAL, ELECTRICAL, PLUMBING, SECURITY ELECTRONICS AND FIRE PROTECTION WITH COLD FORMED STEEL TRUSS SUPPLIER THROUGH BIM COORDINATION MODELLING PRIOR TO ANY FABRICATION. ROUTING OF TRADES ELEMENTS SHOWN ON PLANS AND ANY TRUSS WEBS SHOWN IN BUILDING SECTIONS ARE DIAGRAMMATIC AND MUST BE COORDINATED WITH COLD FORMED STEEL TRUSS SUPPLIER AND THEIR STRUCTURAL TRUSS ELEMENT REQUIREMENTS

J. ALL EQUIPMENT, PIPING, AND DUCTWORK IN WALK THRU CHASES TO BE INSTALLED TO ALLOW 36" CLEAR UP TO MEZZANINE LEVEL FIXTURES SO ACCESSIBLE BY LIFT.

HVAC KEYNOTES

230902 TEMPERATURE CONTROL PANEL. FINAL QUANTITY AND LOCATIONS. OF CONTROL PANELS TO BE DETERMINED WITH TEMPERATURE CONTROLS CONTRACTOR. COORDINATE ELECTRICAL REQUIREMENTS.

230903 PROVIDE REFRIGERANT MONITOR FOR REFRIGERANT EXHAUST PER IMC SECTION 1105.6.3.2 REFRIGERANT DETECTOR SHALL CONTAIN AUDIBLE AND VISUAL ALARM PER IFC SECTION 606.8.

230904 PROVIDE WEATHER AND TAMPER PROOF EMERGENCY SHUT-OFF BUTTON FOR CHILLER, MOUNTED AT 4'-6" PER IFC SECTION 606. PROVIDE CONTROLS TO ALLOW FOR EMERGENCY SHUTOFF THROUGH CENTRAL WORKSTATION.

230906 PROVIDE EMERGENCY SHUT-OFF BUTTON FOR BOILER, MOUNTED AT 4'-6". PROVIDE CONTROLS TO ALLOW FOR EMERGENCY SHUTOFF THROUGH CENTRAL WORKSTATION.

230907 PROVIDE EMERGENCY SHUT-OFF BUTTON FOR CHILLER, MOUNTED AT 4'-6". PROVIDE CONTROLS TO ALLOW FOR EMERGENCY SHUTOFF THROUGH CENTRAL WORKSTATION.

232104 3/4" HWS AND HWR LINES SERVING THE VAV BOX.

232106 PIPE CONNECTIONS FOR TEMPORARY FEED. PROVIDE REMOVABLE BLIND CAPS.

232108 WATER MAKE-UP LINE. CONNECT TO DOMESTIC COLD WATER LINE. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

232112 INSTALL PIPE HEADER WITH SHUTOFF VALVE FOR FUTURE REMOTE EVAPORATOR.

232116 PROVIDE SHUTOFF VALVE FOR CHILLED WATER SUPPLY AND RETURN LINES.

232118 3/4" HWS, HWR, CWS, CWR SERVING FAN COIL UNIT. ROUTE CONDENSATE LINE TO NEAREST FLOOR DRAIN / FLOOR SINK.

232119 INSTALL PIPE HEADER WITH SHUTOFF VALVE FOR FUTURE BOILER.

232121 SHUTOFF VALVE FOR TEMPORARY HYDRONIC SERVICE CONNECTION.

232122 PROVIDE SHUTOFF VALVE FOR HYDRONIC SERVICE LINE.

232130 PROVIDE FITTINGS AND SHUTOFF VALVE FOR CONNECTION OF FUTURE EQUIPMENT.

232131 INSTALL PIPE HEADER WITH SHUTOFF VALVE FOR FUTURE BOILER.

232143 SOLAR THERMAL HEAT EXCHANGER (ALTERNATE BID) SERVING HYDRONIC HOT WATER. REFER TO SHEET M4.4 AND M5.3 FOR ADDITIONAL INFORMATION. PROVIDE PIPE BRANCHES WITH SHUTOFF VALVES (BASE-BID).

232146 COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL EQUIPMENT IN SPACE.

232155 SOLAR THERMAL EXPANSION TANK (ALTERNATE BID) SERVING HYDRONIC HOT WATER. REFER TO SHEET M4.4 AND M5.3 FOR ADDITIONAL INFORMATION. PROVIDE PIPE BRANCHES WITH SHUTOFF VALVES (BASE-BID).

232161 INSTALL PIPE HEADER WITH SHUTOFF VALVE FOR FUTURE HEAT EXCHANGER SERVING SOLAR HOT WATER LOOP.

233111 REFER TO SHEET M1.2C FOR CONTINUATION.

233116 PROVIDE SECURITY BARS. SEE SPECIFICATION 23 33 00.

233126 6" BOILER INTAKE UP THRU ROOF. COORDINATE LOCATION WITH EQUIPMENT. PROVIDE GOOSENECK AND BIRDSCREEN.

233127 6" BOILER EXHAUST FLUE UP THRU ROOF. COORDINATE LOCATION WITH EQUIPMENT. PROVIDE VENT CAP AND BIRDSCREEN.

233128 PROVIDE ROOF CURB FOR FUTURE 6" BOILER INTAKE. CAP AND SEAL WATER TIGHT.

233129 PROVIDE ROOF CURB FOR FUTURE 6" BOILER EXHAUST FLUE. CAP AND SEAL WATER TIGHT.

233130 16" EXHAUST DUCT RISER UP THRU THE ROOF. DUCT OPENING 18" A.F.F. PROVIDE GOOSENECK AND BIRDSCREEN.

233149 TRANSFER AIR ELBOW WITHOUT TURNING VANES.

233162 PROVIDE 24" DEEP PLENUM AT THE LOUVER. BOTTOM OF PLENUM TO SLOPE TOWARDS LOUVER.

NOTE:
ELEMENTS ON THIS DRAWING ARE IDENTIFIED BY VARIOUS COLORS; IF THIS NOTE IS NOT RED, THIS DRAWING IS NOT IN COLOR AND NEEDS TO BE REPRINTED IN COLOR.

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ INDIANA, LLC

NO.	REVISION	DATE

DRAWN: SSB CHK'D: ESA
DESIGNED: SSB
APPR'D: JRA
DATE: DECEMBER 20, 2021

PROJECT NUMBER
2063-1048-90

SULLIVAN COUNTY SHERIFF'S OFFICE AND CORRECTIONAL FACILITY
2357 NORTH SECTION STREET SULLIVAN, INDIANA 47882

ENLARGED PLANS - I

DRAWING NUMBER
M4.1

MECHANICAL

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