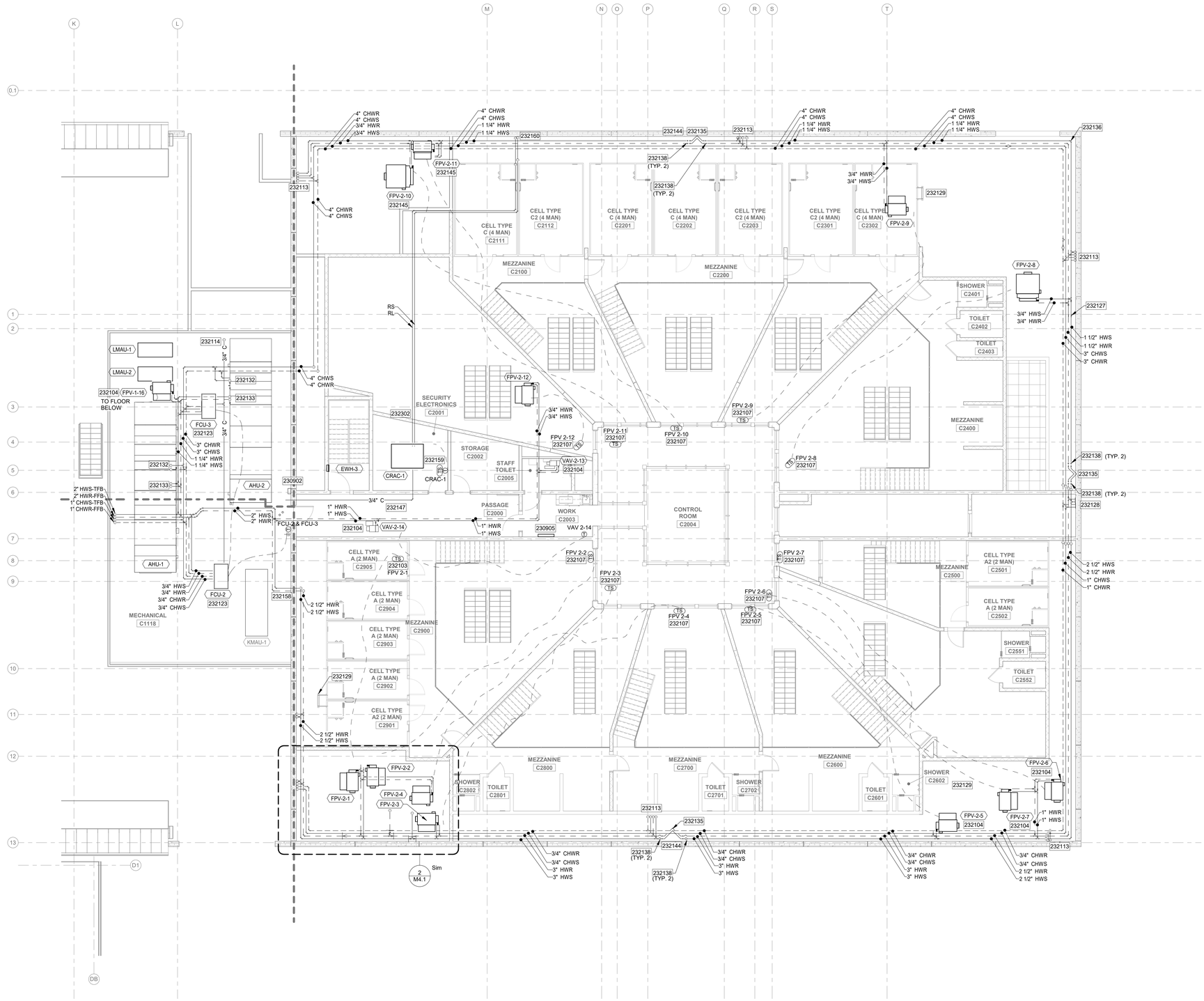


1 **MEZZANINE HYDRONIC PLAN - UNIT C**

SCALE: 1/8" = 1'-0"

NORTH

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.

230905 FIRE FIGHTER SMOKE CONTROL PANEL LOCATION.

232103 TEMPERATURE SENSOR IN EXHAUST AIR DUCT.

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

232107 TEMPERATURE SENSOR IN RETURN AIR DUCT.

232113 3/4" HWS, HWR, CWS, CWR TO FCU BELOW. REFER TO SHEET M2.1C FOR ADDITIONAL DETAILS.

232114 3/4" CONDENSATE LINE DOWN TO FLOOR SINK IN THE MECHANICAL ROOM. SLOPE THE LINE IN DIRECTION OF THE DRAIN. COORDINATE ROUTING WITH SECURITY/ELECTRICAL/IT EQUIPMENT IN SPACE.

232123 3/4" HWS, HWR, CWS, CWR SERVING FAN COIL UNIT.

232127 HOT WATER PRESSURE DIFFERENTIAL SENSOR. LOCATE IT AT 3/4TH THE DISTANCE OF THE LONGEST RUN.

232128 CAP 3" CWS, CWR AND 2" HWS, HWR PIPES FOR FUTURE EXPANSION. PROVIDE SHUT-OFF VALVE WITH BLIND FLANGE.

232129 ALL DUCTWORK AND PIPING LAYOUTS TO BE COORDINATED WITH LADDER TO MEET REQUIRED CLEARANCES FOR PERSONNEL ACCESS (TYP.).

232132 3" CHWS/CHWR SERVING AIR HANDLING UNIT.

232133 1-1/4" HWS/HWR SERVING AIR HANDLING UNIT.

232135 PROVIDE EXPANSION V-LOOP IN HOT WATER SUPPLY AND RETURN PIPING AT LOCATION INDICATED. REFER TO SPECIFICATION 230516 FOR DELEGATED DESIGN REQUIREMENTS. PROVIDE ALL GUIDES AND ANCHORS PER MANUFACTURER RECOMMENDATION.

232136 PROVIDE EXPANSION ANCHOR IN HOT WATER SUPPLY AND RETURN PIPING AT LOCATION INDICATED. REFER TO SPECIFICATION 230516 FOR DELEGATED DESIGN REQUIREMENTS. PROVIDE ALL GUIDES AND ANCHORS PER MANUFACTURER RECOMMENDATION.

232138 PROVIDE PIPE GUIDE IN PIPING AT LOCATION INDICATED. REFER TO SPECIFICATION 230516 FOR DELEGATED DESIGN REQUIREMENTS. PROVIDE ALL EXPANSION V-LOOPS AND ANCHORS PER MANUFACTURER RECOMMENDATIONS.

232144 PROVIDE DRIP PAN OVER TRANSFORMER LOCATED IN THE CHASE. COORDINATE EXACT LOCATION WITH ELECTRICAL DRAWINGS. ROUTE THE DRAIN LINE TO NEAREST DRAIN IN THE CHASE.

232145 1" HWS AND HWR LINES SERVING VAV BOX.

232147 PROVIDE OVERFLOW DETECTION FOR CONDENSATE LINES ABOVE INACCSESSIBLE CEILINGS.

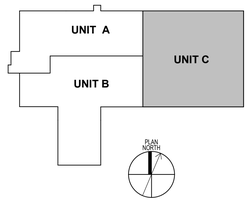
232158 COORDINATE PIPE ROUTING WITH ELECTRICAL EQUIPMENT IN SPACE.

232159 PROVIDE TEMPERATURE SENSORS TO ALLOW FOR MONITORING OF TEMPERATURE VIA BUILDING MANAGEMENT SYSTEM.

232160 REFER TO M2.1C FOR CONTINUATION.

232302 COORDINATE DUCTWORK AND PIPE ROUTING WITH SECURITY/IT/ELECTRICAL EQUIPMENT IN THE ROOM.

KEYPLAN



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12/20/21

NO.	REVISION	DATE

DRAWN: SSB
DESIGNED: SSB
CHK'D: ESA
APPRV'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

MEZZANINE HYDRONIC PLAN - UNIT C

DRAWING NUMBER

M2.2C

MECHANICAL

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