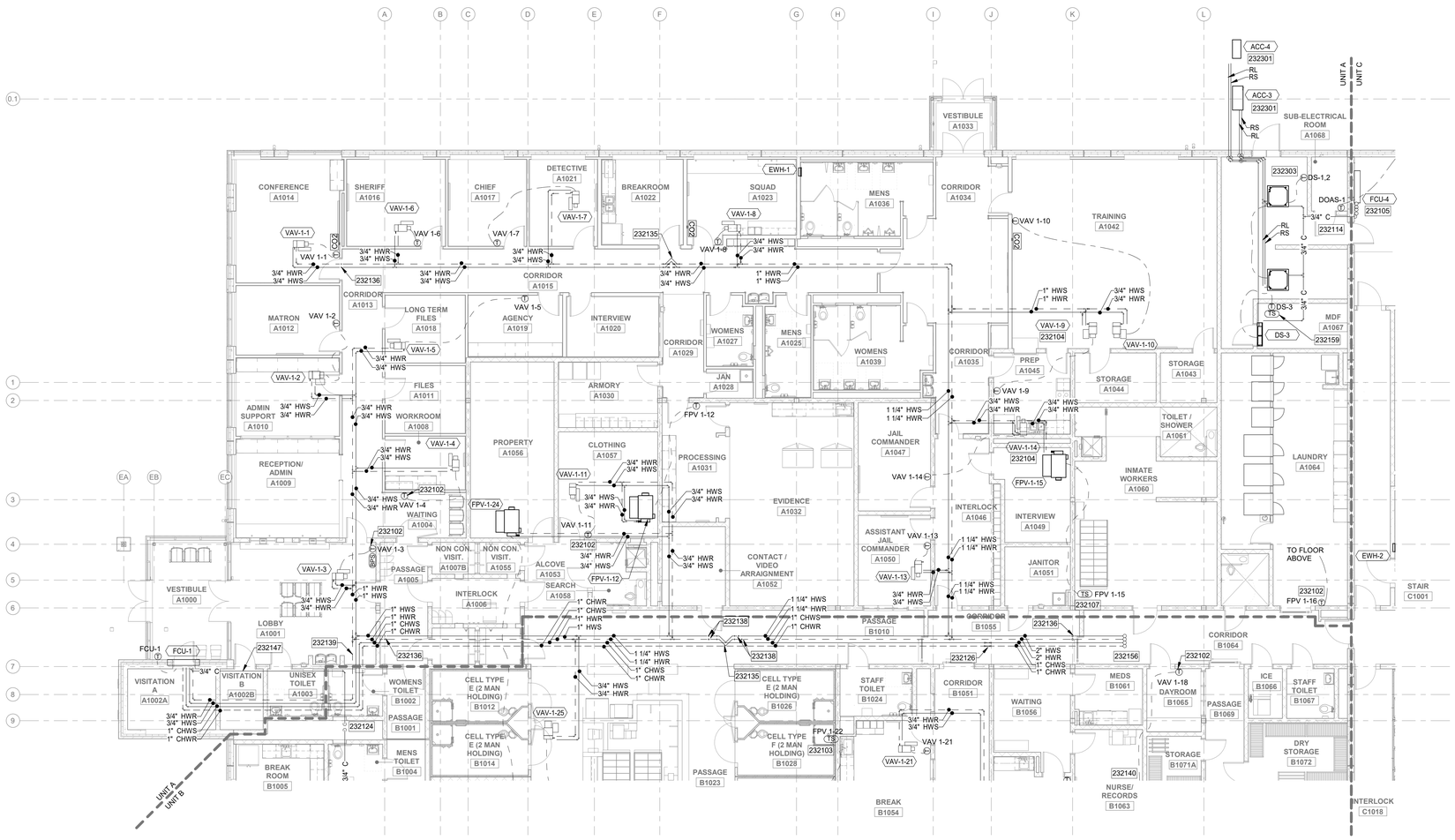


1 FIRST FLOOR HYDRONIC PIPING PLAN - UNIT A
SCALE: 1/8" = 1'-0"

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

232102 PROVIDE THERMOSTAT WITH METAL, LOCKABLE SECURITY COVER.

232103 TEMPERATURE SENSOR IN EXHAUST AIR DUCT.

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

232105 3/4" CHWS, CHWR, HWS, HWR SERVING FCU FROM ABOVE. 3/4" CONDENSATE LINE ROUTED TO FLOOR DRAIN OR FLOOR SINK IN CHASE. REFER TO SHEET M2.2C FOR CONTINUATION.

232107 TEMPERATURE SENSOR IN RETURN AIR DUCT.

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.

232124 CONDENSATE LINE DOWN TO WATER CLOSET AS AN INDIRECT CONNECTION. INSULATE SANITARY LINE DOWNSTREAM OF CONDENSATE LINE CONNECTION.

232126 CHILLED WATER PRESSURE DIFFERENTIAL SENSOR. LOCATE IT AT 3/4TH THE DISTANCE OF THE LONGEST RUN.

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.

232139 PROVIDE PIPE ACCESSORIES SERVING FAN COIL UNIT ABOVE ACCESSIBLE CEILING. PROVIDE TAG ON THE CEILING PANEL FOR IDENTIFICATION OF THE PIPE ACCESSORIES ABOVE.

232140 REFER TO M2.1B FOR CONTINUATION.

232147 PROVIDE OVERFLOW DETECTION FOR CONDENSATE LINES ABOVE INACCSESSIBLE CEILINGS.

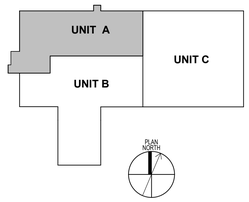
232156 REFER TO M2.2C FOR CONTINUATION.

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

232301 INSTALL REFRIGERANT LINES ON GROUND MOUNTED PIPE STANDS AS PER MANUFACTURER'S RECOMMENDATIONS. SIZED AND ROUTED AS PER MANUFACTURER'S REQUIREMENTS.

232303 COORDINATE PIPE ROUTING WITH SECURITY/ELECTRICAL/IT EQUIPMENT IN PLACE.

KEYPLAN



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

12/08/21
JOSHUA R. ARLING
REGISTERED
PE 10800224
STATE OF INDIANA
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: SSB
DESIGNED: SSB
CHK'D: ESA
APPRV'D: JFA
DATE: DECEMBER 20, 2021

PROJECT NUMBER
2063-1048-90

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

FIRST FLOOR HYDRONIC PLAN - UNIT A

DRAWING NUMBER
M2.1A

MECHANICAL

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