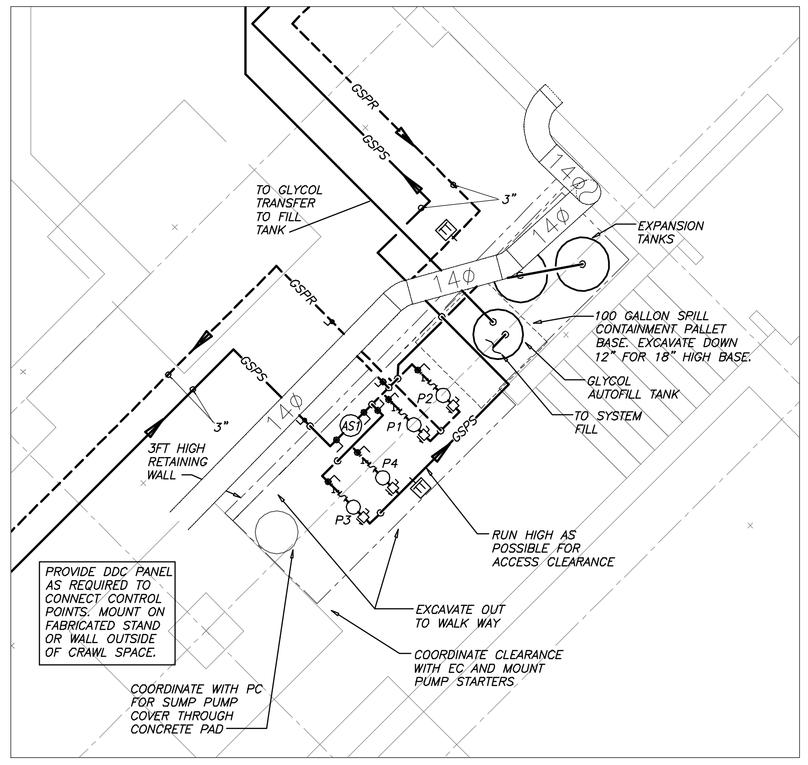
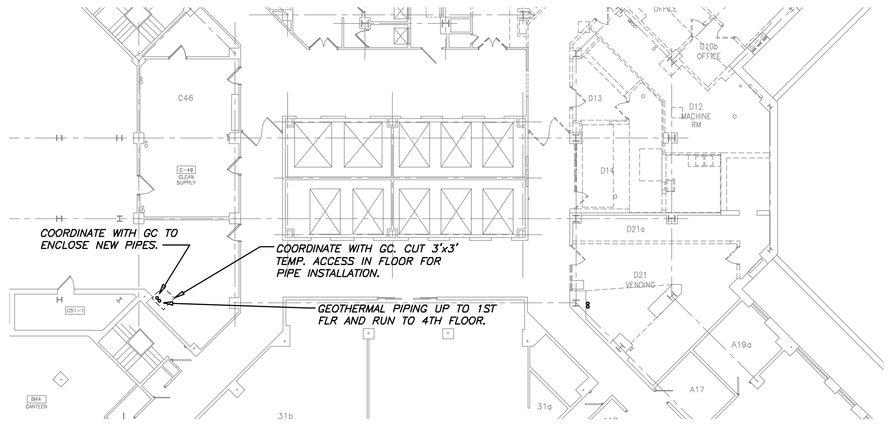


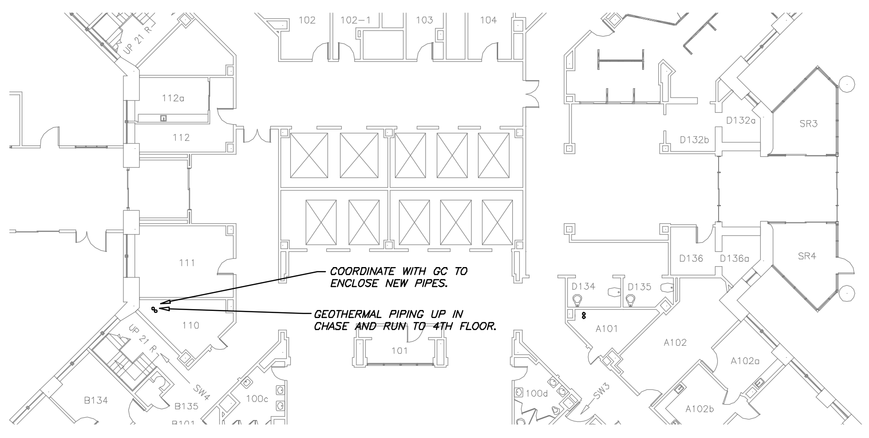
4 M2.41 PARTIAL BASEMENT MECHANICAL PLAN

SCALE: 1/4" = 1'-0"



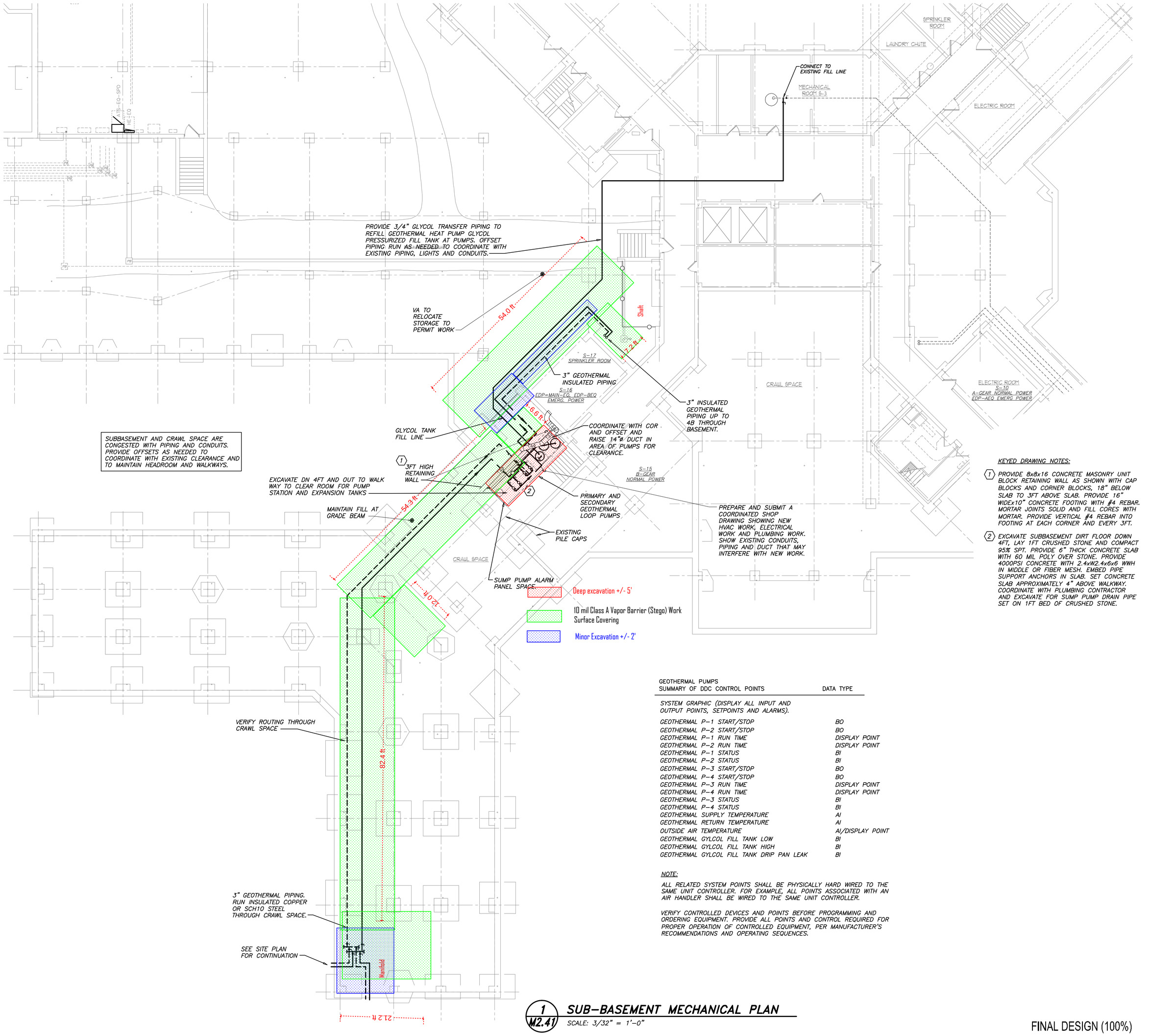
2 M2.41 PARTIAL BASEMENT MECHANICAL PLAN

SCALE: 1/16" = 1'-0"



3 M2.41 PARTIAL FIRST FLOOR MECHANICAL PLAN

SCALE: 1/16" = 1'-0"



1 M2.41 SUB-BASEMENT MECHANICAL PLAN

SCALE: 3/32" = 1'-0"

KEYED DRAWING NOTES:

1. PROVIDE 8x8x16 CONCRETE MASONRY UNIT BLOCK RETAINING WALL AS SHOWN WITH CAP BLOCKS AND CORNER BLOCKS, 18" BELOW SLAB TO 3FT ABOVE SLAB. PROVIDE 16" WIDExIO" CONCRETE FOOTING WITH #4 REBAR. MORTAR JOINTS SOLID AND FILL CORES WITH MORTAR. PROVIDE VERTICAL #4 REBAR INTO FOOTING AT EACH CORNER AND EVERY 3FT.
2. EXCAVATE SUBBASEMENT DIRT FLOOR DOWN 4FT, LAY 1FT CRUSHED STONE AND COMPACT 95% SPT. PROVIDE 6" THICK CONCRETE SLAB WITH 60 MIL POLY OVER STONE. PROVIDE 4000PSI CONCRETE WITH 2.4xW2.4x6x6 WWH IN MIDDLE OR FIBER MESH. EMBED PIPE SUPPORT ANCHORS IN SLAB. SET CONCRETE SLAB APPROXIMATELY 4" ABOVE WALKWAY. COORDINATE WITH PLUMBING CONTRACTOR AND EXCAVATE FOR SUMP PUMP DRAIN PIPE SET ON 1FT BED OF CRUSHED STONE.

GEOTHERMAL PUMPS
SUMMARY OF DDC CONTROL POINTS

	DATA TYPE
SYSTEM GRAPHIC (DISPLAY ALL INPUT AND OUTPUT POINTS, SETPOINTS AND ALARMS).	
GEOTHERMAL P-1 START/STOP	BO
GEOTHERMAL P-2 START/STOP	BO
GEOTHERMAL P-1 RUN TIME	DISPLAY POINT
GEOTHERMAL P-2 RUN TIME	DISPLAY POINT
GEOTHERMAL P-1 STATUS	BI
GEOTHERMAL P-2 STATUS	BI
GEOTHERMAL P-3 START/STOP	BO
GEOTHERMAL P-4 START/STOP	BO
GEOTHERMAL P-3 RUN TIME	DISPLAY POINT
GEOTHERMAL P-4 RUN TIME	DISPLAY POINT
GEOTHERMAL P-3 STATUS	BI
GEOTHERMAL P-4 STATUS	BI
GEOTHERMAL SUPPLY TEMPERATURE	AI
GEOTHERMAL RETURN TEMPERATURE	AI
OUTSIDE AIR TEMPERATURE	AI/DISPLAY POINT
GEOTHERMAL GYLCOL FILL TANK LOW	BI
GEOTHERMAL GYLCOL FILL TANK HIGH	BI
GEOTHERMAL GYLCOL FILL TANK DRIP PAN LEAK	BI

NOTE:

ALL RELATED SYSTEM POINTS SHALL BE PHYSICALLY HARD WIRED TO THE SAME UNIT CONTROLLER. FOR EXAMPLE, ALL POINTS ASSOCIATED WITH AN AIR HANDLER SHALL BE WIRED TO THE SAME UNIT CONTROLLER.

VERIFY CONTROLLED DEVICES AND POINTS BEFORE PROGRAMMING AND ORDERING EQUIPMENT. PROVIDE ALL POINTS AND CONTROL REQUIRED FOR PROPER OPERATION OF CONTROLLED EQUIPMENT, PER MANUFACTURER'S RECOMMENDATIONS AND OPERATING SEQUENCES.

FINAL DESIGN (100%)

Revisions	Date
REVISED PER COMMENTS	04/30/15
REVISED PER COMMENTS	03/26/15
100% SUBMISSION	10/22/14

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Drawing Title: SUB-BASEMENT, BASEMENT + 1ST FLOOR MECHANICAL PLANS

Approved Project Director

Project Title: Renovate 4B for Community Living Center (CLC), Stratton VA Medical Center

Location: Albany, New York

Date: 10-22-2014 | Checked | Drawn

Project Number: VA 528A8-12-890

Building Number: 1

Drawing Number: M2.41, Dwg. 62 of 79

Office of Construction and Facilities Management, Department of Veterans Affairs

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