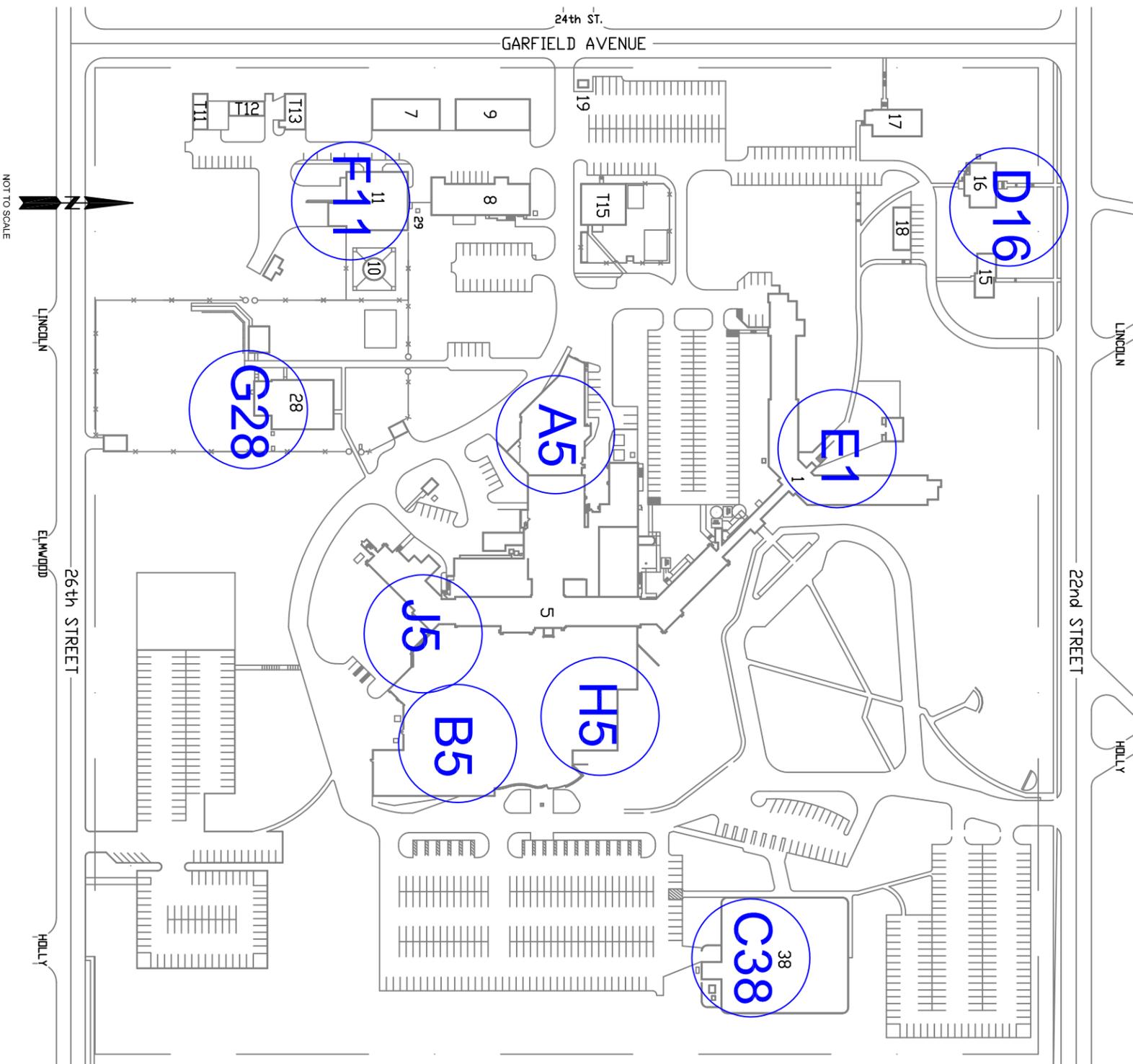


LIQUID MOVERS - SITE PLAN



GENERAL NOTES:

THE CONTRACTOR SHALL PROVIDE A LIQUID-MOVER SYSTEM AT THE LOCATIONS SHOWN IN THESE PLANS. THIS SHALL INCLUDE THE REMOVAL AND DISPOSAL OF THE EXISTING CONDENSATE PUMP SYSTEM AND CONCRETE PAD TO INCLUDE BUT NOT LIMITED TO ALL MATERIALS AND LABOR.

CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO MAKE A COMPLETE WORKABLE CONDENSATE COMPRESSED AIR COLLECTOR/MOVER SYSTEM. THIS SHALL INCLUDE BUT NOT BE LIMITED TO ALL DESIGN FOR SIZING OF SYSTEM, REQUIRED VALVES, CONCRETE PADS, COMPRESSORS, AND OTHER ITEMS TO MAKE A COMPLETE CONDENSATE RETURN SYSTEM AT EACH LOCATION SHOWN ON THESE PLANS.

THE DESIGN FOR THIS SYSTEM IS BASED FROM A KADANT JOHNSON SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE SOUTH DAKOTA KADANT JOHNSON REPRESENTATIVE (218)-287-0908 OR PROVIDE AN APPROVED EQUAL DESIGNED SYSTEM.

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ISOLATION VALVES, CHECK VALVES, STRAINERS, AND UNIONS TO MAKE A COMPLETE WORKABLE COMPRESSED AIR CONDENSATE COLLECTION AND RETURN SYSTEM. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL BY THE COR FOR EACH SYSTEM THAT IDENTIFIES ALL PARTS AND EQUIPMENT TO INCLUDE BUT NOT LIMITED TO SCHEMATIC AND PLAN DRAWINGS.

CONTRACTOR SHALL PROVIDE INSULATED JACKETS AS RECOMMEND BY MANUFACTURE FOR EACH RECEIVER TANK SYSTEM. PROVIDE 5 GAL. OIL FREE AIR COMPRESSOR, FREE AIR CFM AT 90 PSI 2.6 IF ONE IS NOT EXISTING IN THE MECHANICAL ROOM. THE CONTRACTOR SHALL CONNECT INTO EXISTING AIR COMPRESSOR IF ONE IS AVAILABLE. ALL COSTS FOR CONNECTING INTO EXISTING AIR COMPRESSOR SHALL BE AT CONTRACTORS EXPENSE.

CONTRACTOR SHALL HAVE THE CONDENSATE SYSTEMS MANUFACTURES REPRESENTATIVE PRESENT FOR INITIAL PROJECT KICK OFF. PRECONSTRUCTION MEETING AND COMMISSIONING OF SYSTEM.

KEY NOTES:

A5
BLDG. 5 ROOM E07 NORTH SYSTEM. PROVIDE KADANT JOHNSON #LMHT-1600-L000-FSA-1 LIQUID-MOVER PACKAGE TO INCLUDE: (2) EA. LIQUID-MOVER; (2) 2" SCV CHECK VALVE; (2) 3" W/C CHECK VALVE; (2) GAUGE GLASS SET AND (1) PARKER AIR REGULATOR.

B5
BLDG. 5 ROOM E07. RECEIVER TANK 12.75 O.D. X 30" O.H. 150# ASME DESIGN TANK. TO INCLUDE: MISC COUPLINGS, 2-3" FLANGES, LIFT LUGS, KNIFE SADDLES, SHOP PRIME EXTERIOR. USING SCHEDULE STANDARD WEIGHT - 250#

B5
BLDG. 5 ROOM E07 SOUTH SYSTEM. KADANT JOHNSON #LMHT-1600-L000-FSA-1 LIQUID-MOVER PACKAGE TO INCLUDE: (2) EA. LIQUID-MOVER; (2) 2" SCV CHECK VALVE; (2) 3" W/C CHECK VALVE; (2) GAUGE GLASS SET AND (1) PARKER AIR REGULATOR.

B5
RECEIVER TANK 12.75 O.D. X 30" O.H. 150# ASME DESIGN TANK. TO INCLUDE: MISC COUPLINGS, 2-3" FLANGES, LIFT LUGS, KNIFE SADDLES, SHOP PRIME EXTERIOR. USING SCHEDULE STANDARD WEIGHT - 250#

CONTRACTOR SHALL REMOVE EXISTING CONCRETE PAD AT A MINIMUM OF 3" BELOW ROOM FINISH FLOOR ELEVATION AND REPLACE WITH A CONCRETE/MOTAR MIX AS APPROVED BY THE COR.

C38
BLDG. 38 MECHANICAL RM. PROVIDE KADANT JOHNSON LIQUID-MOVER #LMHT-1600-L000-FSA-1 PACKAGE TO INCLUDE: (1) LIQUID-MOVER; (1) GAUGE GLASS ASSEMBLY; (2) 2" SCV CHECK VALVES AND (1) PARKER AIR REGULATOR

D16
BLDG. 16 BASEMENT. PROVIDE KADANT JOHNSON LIQUID-MOVER #LMHT-1600-L000-FSA-1 PACKAGE TO INCLUDE: (1) LIQUID-MOVER; (1) GAUGE GLASS ASSEMBLY; (2) 2" SCV CHECK VALVES AND (1) PARKER AIR REGULATOR

E1
BLDG. 1 BASEMENT. PROVIDE KADANT JOHNSON LIQUID-MOVERS PACKAGE TO INCLUDE: 1 LMHT-1600 LIQUID-MOVER WITH GAUGE GLASS ASSEMBLY; (1) 3" W/C CXS CHECK VALVE; (1) 2" SCV CHECK VALVE; (1) PARKER AIR REGULATOR

RECEIVER TANK 12.75 O.D. X 30" O.H. 150# ASME DESIGN TANK. TO INCLUDE: MISC COUPLINGS, 2-3" FLANGES, LIFT LUGS, KNIFE SADDLES, SHOP PRIME EXTERIOR. USING SCHEDULE STANDARD WEIGHT - 250#

EXISTING SYSTEM IS LOCATED BELOW FINISHED FLOOR IN PIT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REMOVE AND INSTALL NEW SYSTEM. CONTRACTOR SHALL PROVIDE NEW AIR COMPRESSOR FOR THIS SYSTEM.

F11
BLDG. 11 SOUTH GARAGE. PROVIDE KADANT JOHNSON LIQUID-MOVER #LMHT-1600-L000-FSA-1 PACKAGE TO INCLUDE: (1) LIQUID-MOVER; (1) GAUGE GLASS ASSEMBLY; (2) 2" SCV CHECK VALVES AND (1) PARKER AIR REGULATOR

G28
BLDG. 28 MECHANICAL RM. PROVIDE KADANT JOHNSON LIQUID-MOVER #LMHT-1600-L000-FSA-1 PACKAGE TO INCLUDE: (1) LIQUID-MOVER; (1) GAUGE GLASS ASSEMBLY; (2) 2" SCV CHECK VALVES AND (1) PARKER AIR REGULATOR

H5
BLDG. 5 ROOM A12. PROVIDE KADANT JOHNSON LIQUID-MOVER PACKAGE TO INCLUDE: 1EA. LMHT-500-L000-FSA-01 LIQUID-MOVER; AND (1) GAUGE GLASS ASSEMBLY AND (2) 1" SCV CHECK VALVES AND (1) PARKER AIR REGULATOR.

KADANT JOHNSON LIQUID-MOVER PACKAGE TO INCLUDE: 1EA. LMHT-500-L000-FSA-01 LIQUID-MOVER; AND (1) GAUGE GLASS ASSEMBLY AND (2) 1" SCV CHECK VALVES AND (1) PARKER AIR REGULATOR.

CONTRACTOR SHALL REMOVE EXISTING CONCRETE PAD AT A MINIMUM OF 3" BELOW ROOM FINISH FLOOR ELEVATION AND REPLACE WITH A CONCRETE/MOTAR MIX AS APPROVED BY THE COR.

J5
BLDG. 5 ROOM B70. INSTALL ONE (1) EACH GOVERNMENT FURNISHED KADANT JOHNSON LIQUID-MOVER PACKAGE TO INCLUDE: 1EA. LMHT-1600 LIQUID-MOVER; AND (1) GAUGE GLASS ASSEMBLY AND (2) 1" SCV CHECK VALVES AND (1) PARKER AIR REGULATOR.

CONTRACTOR SHALL CONSTRUCT A CONCRETE PIT TO PLACE NEW LIQUID-MOVER SYSTEM. THIS SHALL INCLUDE ALL MATERIALS AND LABOR TO REMOVE EXISTING CONCRETE AND PROVIDE NEW PIT. PIT SHALL BE SIZED TO PROVIDE ADEQUATE GRAVITY FLOW TO CONDENSATE PUMP SYSTEM AND APPROVED BY COR.

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Drawing Title		LIQUID-MOVERS	
Project Engineer:		TODD MERGEN, P.E.	
Project Number		438-12-154	
Building Number		NA	
Location		VA SIOUX FALLS, SD	
Date	Checked	Drawn	
FEBRUARY 2012	JDD	TJM	
Drawing Number		6-1	
Office of Construction and Facilities Management		Department of Veterans Affairs	