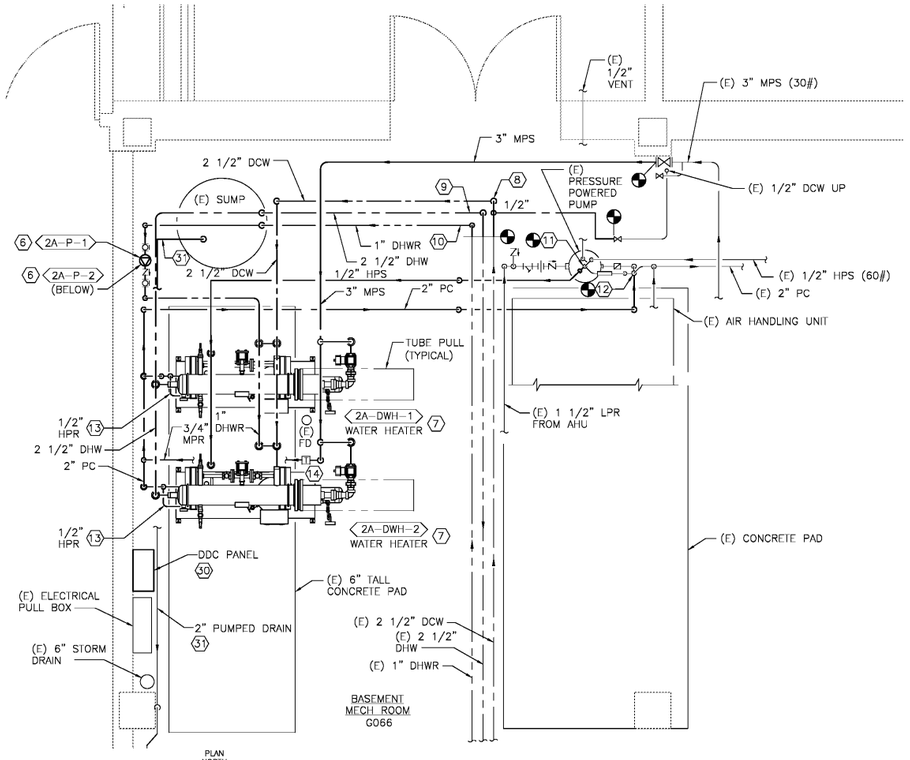
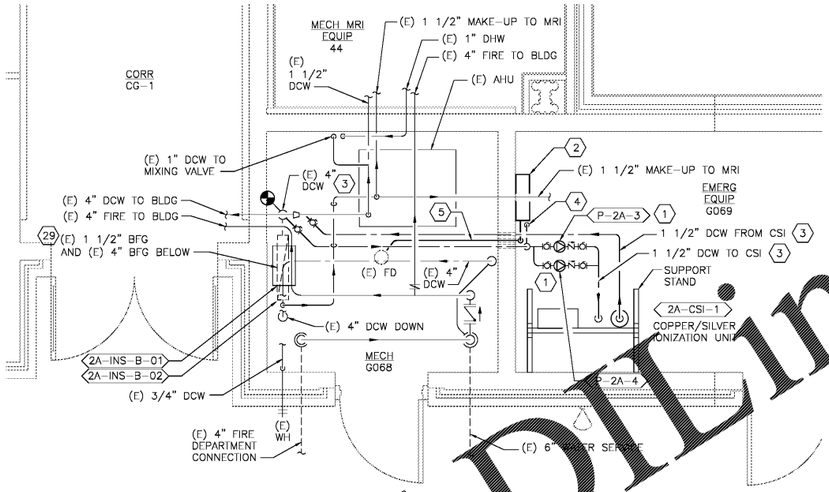


PLAN NORTH

1 ENLARGED BASEMENT MECH ROOM G066 NEW WORK PLAN

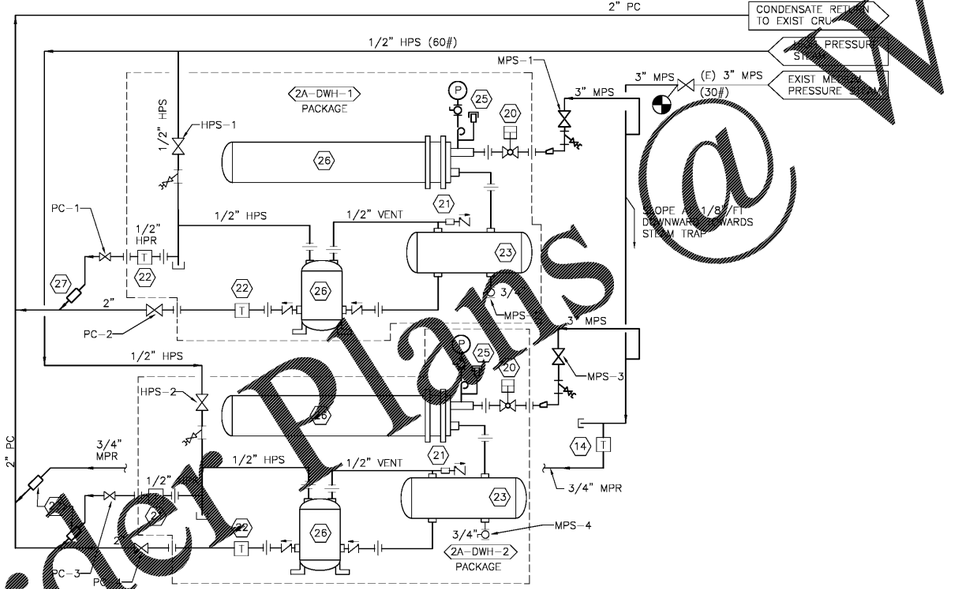
SCALE: 1/2" = 1'-0"



PLAN NORTH

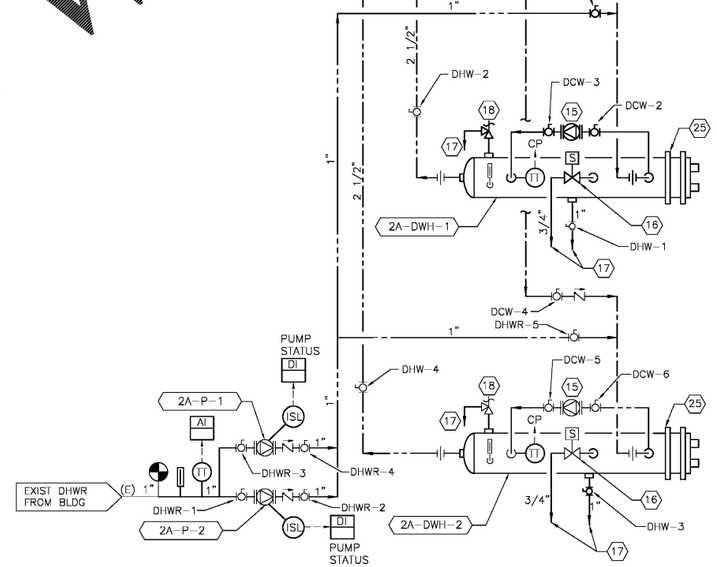
2 ENLARGED BASEMENT MECH ROOM G068 NEW WORK PLAN

SCALE: 1/2" = 1'-0"



A BLDG 2A DOMESTIC WATER HEATERS STEAM AND CONDENSATE DIAGRAM

NO SCALE



B BLDG 2A DOMESTIC WATER HEATERS DOMESTIC WATER DIAGRAM

NO SCALE

CONSTRUCTION NOTES:

1. CSI PUMPS, MOUNT AT 7'-0" ABOVE FINISHED FLOOR.
2. CHLORINE ANALYZER, CONNECT TO DDC PANEL IN BLDG 2 MECH/LIFE SAFETY EQUIPMENT RM 21A. SEE DWG PL-A-401.
3. CONNECT 1 1/2" DCW PIPING TO AND FROM THE CSI UNIT TO EXISTING 4" DCW LINE IN MECH RM G068. PROVIDE SLEEVE AND FIRESTOPPING AT WALL PENETRATION. SEE DIAGRAM 'A' ON DWG PL-501.
4. 1/2" DCW TO CHLORINE ANALYZER WITH BALL VALVE IN VERTICAL.
5. 1/2" DRAIN FROM CHLORINE ANALYZER, PENETRATE WALL AND ROUTE TO FLOOR DRAIN IN ROOM G068. PROVIDE WALL SLEEVE AT PENETRATION AND FIRESTOP.
6. HOT WATER RECIRC PUMPS, MOUNT PUMP 4'-0" ABOVE FINISHED FLOOR.
7. INSTALL WATER HEATER ON EXISTING CONCRETE PAD. PROVIDE PAD EXTENSION PER DETAIL ON DRAWING PL-601. INSTALL TO ENSURE THE HEATER IS LEVEL. INSTALL HEATER PER MANUFACTURER'S RECOMMENDATIONS.
8. CONNECT TO 2 1/2" DCW TO EXISTING 2 1/2" DCW PIPE. ROUTE AND CONNECT TO WATER HEATERS. SEE DIAGRAM 'A' ON THIS DRAWING.
9. CONNECT 2 1/2" DHW TO EXISTING 2 1/2" DHW PIPE. ROUTE AND CONNECT TO WATER HEATERS. SEE DIAGRAM 'A' ON THIS DRAWING.
10. CONNECT 1" DHWR TO EXISTING 1" DHWR. SEE DIAGRAM 'A' ON THIS DRAWING.
11. CONNECT 1/2" HPS TO EXISTING 1/2" HPS AND ROUTE TO THE PRESSURE POWERED CONDENSATE PUMP ON SKID. SEE DIAGRAM 'A' ON THIS DRAWING.
12. CONNECT 2" PC TO EXISTING 2" PC PIPE. SEE DIAGRAM 'A' ON THIS DRAWING.
13. CONNECT 1/2" HPR TO 2" PC PIPE. SEE DIAGRAM 'A' ON THIS DRAWING.
14. STEAM TRAP, SEE DETAIL 'F' ON DRAWING PL-501.
15. WATER HEATER CIRCULATING PUMP
16. HIGH TEMPERATURE DUMP VALVE
17. TO FLOOR DRAIN
18. PRESSURE AND TEMPERATURE RELIEF VALVE
19. STEAM CONTROL VALVE
20. AIR VENT AND CHECK VALVE
21. INVERTED BUCKET STEAM TRAP
22. FLOAT & THERMOSTATIC STEAM TRAP
23. CONDENSATE RECEIVER
24. VACUUM BREAKER
25. SHELL & TUBE HEAT EXCHANGER
26. PRESSURE POWERED PUMP
27. TRAP DIFFUSER
28. PROVIDE PRESSURE TRANSMITTER AND TEMPERATURE TRANSMITTER IN EXISTING 4" DCW MAIN AND CONNECT TO DDC PANEL IN BLDG 2, RM 21A.
29. INSULATE EXISTING 1 1/2" WILKINS ZURN 975XL BACKFLOW PREVENTER AND ASSOCIATED STRAINER AND SHUT-OFF VALVES. INSULATE EXISTING 4" APOLLO RP4AN BACKFLOW PREVENTER AND ASSOCIATED SHUT-OFF VALVES.
30. CONNECT TO EXISTING BUILDING AUTOMATION SYSTEM VIA EXISTING DDC PANEL LOCATED IN THIS MECHANICAL ROOM. REFER TO DRAWING PL-2A-101 FOR EXISTING DDC PANEL.
31. RAISE EXISTING 2" GALVANIZED STEEL PUMPED DRAIN TO CLEAR NEW DDC PANEL AND PIPING. CENTERLINE OF PIPING IS 62" AFF.

Order Plans @ WWW.LDI.com

Revisions	Date
-	-

Atriax, pllc
102 3rd Avenue, NE
PO Box 1629,
Hickory, NC 28603
Phone: 828.315.9962
Fax: 828.315.9984
www.atriaxgroup.com

WileyWilson
127 Nationwide Drive
Lynchburg, VA 24502
Phone: 434.947.1901
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
MICHAEL J. GEHL
Lic. No. 24288
4/28/2017
PROFESSIONAL ENGINEER

Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief
CONSTRUCTION DOCUMENTS	Approved: Infection Control Officer	Approved: Chief of Staff
	Approved: GEMS Coordinator	Approved: Associate Director

Drawing Title: PL-2A-401 BLDG 2A ENLARGED BASEMENT PLANS NEW WORK	Project Title: RENOVATE FOR WATER QUALITY		Date: 04/28/2017
Approved: Chief of Facility Management Svc.	Building Number: 2A	Checked: MJG	Drawn: JFC
Approved: Medical Center Director	Location: VA MEDICAL CENTER, SALEM, VA 24153		Project No.: 658-15-101
			DRAWING SET: 2592
			Dwg. 82 Of 155

Veterans Affairs