



1 ENLARGED BASEMENT PLUMBING NEW WORK PLAN
SCALE: 1/2" = 1'-0"

B BLDG 2 DOMESTIC WATER HEATERS DOMESTIC WATER DIAGRAM
NO SCALE

- CONSTRUCTION NOTES:**
- CSI PUMPS, MOUNT AT 7'-0" ABOVE FINISHED FLOOR.
 - CONNECT 1 1/2" DCW PIPING TO AND FROM THE CSI UNIT TO EXISTING 4" DCW LINE, SEE DIAGRAM 'A' ON DRAWING PL-501.
 - CHLORINE ANALYZER, DISCHARGE INTO EXISTING FLOOR DRAIN. CONNECT TO DDC PANEL.
 - 1/2" DCW TO CHLORINE ANALYZER.
 - 1" DHWR PIPING AT FLOOR.
 - CONNECT TO EXISTING 6" LPS PIPE AND ROUTE AND CONNECT TO WATER HEATER. SEE DIAGRAM 'A' ON THIS DRAWING.
 - CONNECT 1 1/2" DHWR TO EXISTING 1" DHWR AT FLOOR LEVEL AND ROUTE UP AND CONNECT TO 2 1/2" DCW IN VERTICAL. SEE DIAGRAM 'B' ON THIS DRAWING.
 - CONNECT 1/2" HPS TO EXISTING 4" HPS MAIN AND ROUTE TO THE PRESSURE POWERED CONDENSATE PUMP ON SKID. SEE DIAGRAM 'A' ON THIS DRAWING.
 - CONNECT 2" PC TO EXISTING 3" LPR PIPE. SEE DIAGRAM 'A' ON THIS DRAWING.
 - CONNECT 1/2" HPR TO 2" PC PIPE. SEE DIAGRAM 'A' ON THIS DRAWING.
 - CONNECT TO EXISTING 2 1/2" DHW PIPE AT ISOLATION VALVE AND ROUTE AND CONNECT TO WATER HEATER. SEE DIAGRAM 'B' ON THIS DRAWING.
 - CONNECT TO EXISTING 2 1/2" DCW PIPE AT ISOLATION VALVE AND ROUTE AND CONNECT TO WATER HEATER. SEE DIAGRAM 'B' ON THIS DRAWING.
 - INSTALL WATER HEATER ON EXISTING 38" WIDE X 34" DEEP CONCRETE PAD. PROVIDE PAD EXTENSION PER DETAIL 'B' ON DRAWING PL-601. INSTALL TO ENSURE THE HEATER IS LEVEL. DO NOT INSTALL HEATER, PIPING OR SUPPORTS OVER EXISTING FLOOR DRAINS. INSTALL HEATER PER MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE PRESSURE TRANSMITTER AND TEMPERATURE TRANSMITTER IN EXISTING 4" DCW MAIN AND CONNECT TO DDC PANEL.
 - INSULATE EXISTING 1" DHWR PIPING INSIDE MECH RM 32.
 - WATER HEATER CIRCULATING PUMP
 - HIGH TEMPERATURE DUMP VALVE
 - TO FLOOR DRAIN
 - PRESSURE AND TEMPERATURE RELIEF VALVE
 - STEAM CONTROL VALVE
 - AIR VENT AND CHECK VALVE
 - INVERTED BUCKET STEAM TRAP
 - FLOAT & THERMOSTATIC STEAM TRAP
 - CONDENSATE RECEIVER
 - VACUUM BREAKER
 - SHELL & TUBE HEAT EXCHANGER
 - PRESSURE POWERED PUMP
 - CONNECT TO EXISTING 2" CONDENSATE RETURN PIPING
 - TRAP DIFFUSER
 - INSULATE EXISTING 4" DCW MAIN, & STANDBY BACKFLOW PREVENTERS AND ASSOCIATED STRAINER AND SHUT-OFF VALVES.
 - CONNECT TO EXISTING BUILDING AUTOMATION SYSTEM VIA EXISTING DDC PANEL LOCATED IN MECHANICAL ROOM 32.
 - CONNECT NEW DDC PANEL TO EXISTING BAS NETWORK VIA EXISTING SIEMENS APOGEE BAS. PANEL CONTAINS MEC #15 TR.4 CONTROLLER.

Revisions	Date	 Atrix, plc 102 3rd Avenue, NE PO Box 1628, Hickory, NC 28603 Phone: 828.315.9962 Fax: 828.315.9964 www.atrinxgroup.com	 Wiley Wilson 127 Nantowite Drive Lynchburg, VA 24502 Phone: 434.947.1901 www.wileywilson.com		Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief	Drawing Title	Project Title	Date	Veterans Affairs	
					CONSTRUCTION DOCUMENTS			Approved: Infection Control Officer	Approved: Chief of Staff	Approved: Chief of Facility Management Svcs.		PL-2401 BLDG 2 ENLARGED BASEMENT PLUMBING PLAN NEW WORK
					Approved: GEMS Coordinator	Approved: Associate Director	Approved: Medical Center Director	Approved: Building Automation System via Existing DDC Panel Located in Mechanical Room 32.	Building Number 2	Checked MUG	Drawn JFC	Project No. 658-15-101
								Approved: Medical Center Director	Location VA MEDICAL CENTER, SALEM, VA 24153	DRAWING SET 2592		Dwg. 79 Of 155