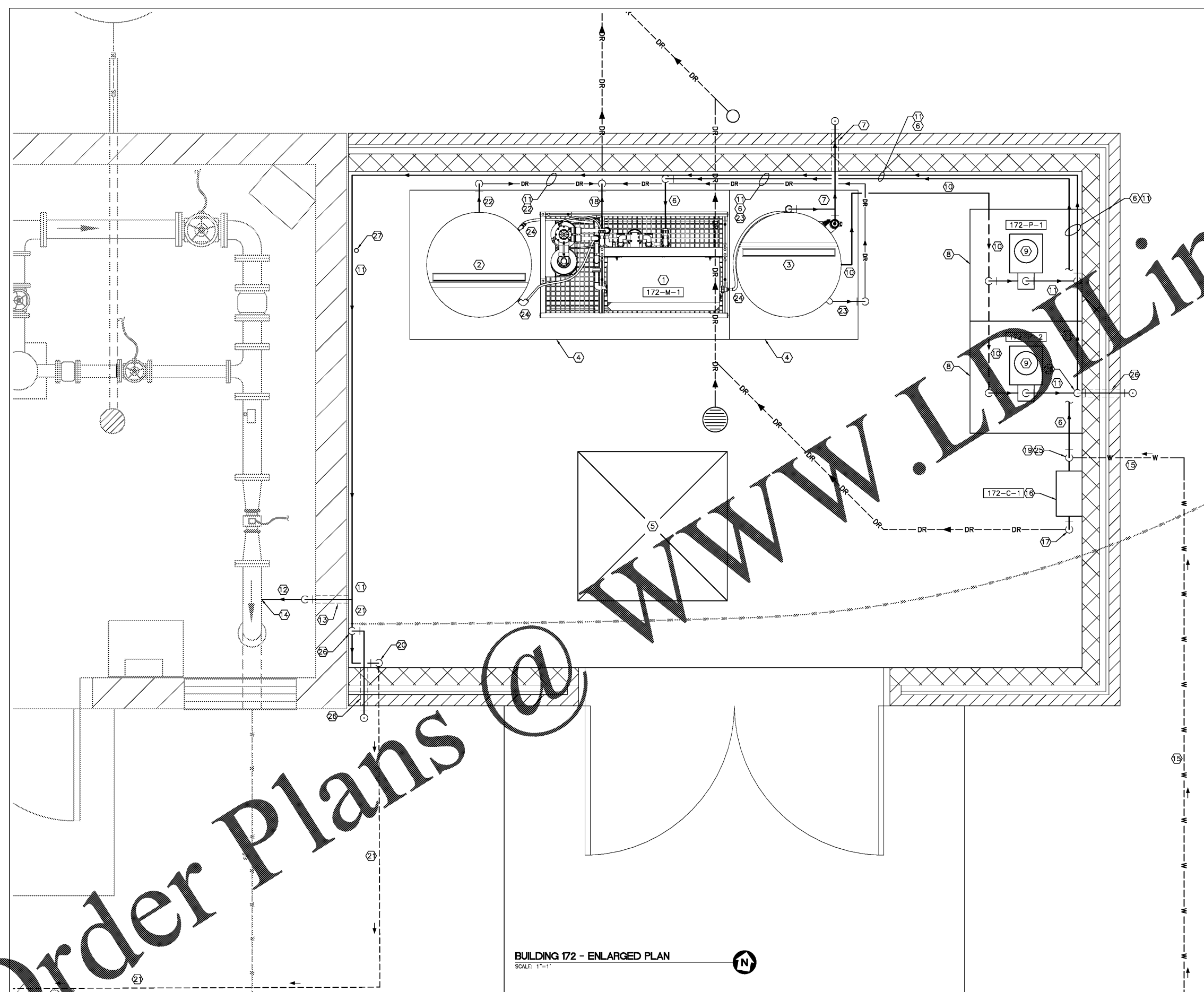


three inches = one foot
 one and one half inches = one foot
 two inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot



BUILDING 172 - ENLARGED PLAN
SCALE: 1"=1'

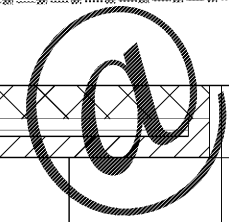
GENERAL SHEET NOTES

1. REFER TO DIVISION 33 SPECIFICATIONS FOR PIPE WORK, INSTRUMENTS AND VALVES REFERENCED ON THIS DRAWING.
2. PROVIDE CHEMICAL FEED PIPING AND EQUIPMENT TO INCLUDE PUMPS, VALVES, APPURTENANCES, PIPING AND SUPPORTS TO ACHIEVE THE FUNCTIONALITY DEPICTED ON THE RELEVANT P&ID DIAGRAM FOR EACH CHEMICAL SYSTEM. INSTALL PUMPS, VALVES, APPURTENANCES, PIPING AND SUPPORTS TO MAXIMIZE EASE OF ACCESS. PUMPS, VALVES AND APPURTENANCES AND ALLOW THEIR REMOVAL FOR MAINTENANCE. PROVIDE CLEAR SPACE IN FRONT OF PUMPS TO ALLOW CHANGING PUMP DRUMS. MAXIMIZE FITTINGS AND BENDS TO THE EXTENT PRACTICABLE. INSTALL PORTIONS OF THE CHEMICAL FEED SYSTEM INDICATED ON THE RELEVANT P&ID DIAGRAM ON CONCRETE EQUIPMENT PADS. MOUNT PUMP CONTROL PANEL ON UNBSTRUCT 42" AFF AND CONNECT TO POWER AND CONTROL WIRING AND CONDUIT PER MANUFACTURER'S RECOMMENDATION.

SHEET KEYNOTES

1. SITE MIXED OXIDANT GENERATION SYSTEM.
2. BRINE TANK AND MIXED OXIDANT SOLUTION TANK.
3. HOUSEKEEPING PAD. MIXED OXIDANT GENERATOR AND BRINE TANK PAD SHALL BE 4" AFF. MIXED OXIDANT SOLUTION TANK PAD SHALL BE 18" AFF. SEE DETAIL 2, DRAWING CI-501.
4. SALT STORAGE PALLET.
5. 3/4" SCH 80 CPVC SOLUTION MAKE-UP WATER LINE.
6. 2" SCH 80 CPVC HYDROGEN VENT LINES. CORE DRILL AND GROUT PENETRATION SEAL FOR HYDROGEN VENT LINE. PROVIDE 316 SST MESH INSECT SCREEN.
8. CHEMICAL METERING PUMP SKID ON 4" HOUSEKEEPING PAD. MOUNT SKID SO PUMP DISCHARGE IS AT 20" AFF OR LESS. SEE DETAIL 2, DRAWING CI-501.
9. MIXED OXIDANT CHEMICAL FEED PUMP. REFER TO GENERAL SHEET NOTE 2.
10. 1/2" SCH 80 CPVC MIXED OXIDANT CHEMICAL FEED PUMP SUPPLY. FIELD ROUTE PIPING ALONG FLOOR.
11. 1/2" SCH 80 CPVC MIXED OXIDANT ADDITION LINE. FIELD ROUTE PIPING ALONG WALL. ROUTE LINE BELOW ELECTRICAL PANELS.
12. 1/2" SCH 80 CPVC PRIMARY MIXED OXIDANT ADDITION LINE.
13. CORE DRILL AND GROUT PENETRATION SEAL FOR PRIMARY MIXED OXIDANT ADDITION LINE.
14. 1/2" SADDLE TAP WITH CORPORATION STOP. PRIMARY MIXED OXIDANT ADDITION POINT.
15. 1" COPPER TYPE "K" POTABLE WATER.
16. CHLORINE ANALYZER, SAMPLE PRESSURE REGULATOR AND TRANSMITTER MOUNTED TO WALL 42" AFF.
17. ROUTE 1/2" PTFE TUBING CHLORINE ANALYZER DRAIN LINE TO 2" FLOOR DRAIN.
18. ROUTE MIXED OXIDANT GENERATOR SKID DRAINS TO FLOOR DRAIN.
19. 1"x1" TEE WITH BRANCH CONNECTION FEEDING CHLORINE ANALYZER. PROVIDE 1"x1/4" RED AND 1/4" CPVC BY 1/4" PTFE TUBING COUPLING. ROUTE 1/4" PTFE TUBING THRU SAMPLE PRESSURE REGULATOR TO CHLORINE ANALYZER.
20. 1/2" SCH 80 CPVC 90° BEND DOWN TO SECONDARY MIXED OXIDANT ADDITION LINE.
21. 1/2" SCH 80 CPVC SECONDARY MIXED OXIDANT ADDITION LINE.
22. ROUTE 1" SCH 80 CPVC BRINE TANK DRAIN LINE TO FLOOR DRAIN.
23. ROUTE 1" SCH 80 CPVC MIXED OXIDANT SOLUTION DRAIN LINE TO FLOOR DRAIN.
24. CONTRACTOR SHALL FIELD ROUTE FEED AND DRAIN CONNECTIONS BETWEEN MIXED OXIDANT GENERATOR, BRINE TANK AND MIXED OXIDANT SOLUTION TANK PER MANUFACTURER'S RECOMMENDATIONS.
25. TRANSITION FROM 1" TYPE "K" COPPER TO 1" SCH 80 CPVC 12" AFF.
26. 1" SCH 80 CPVC VENT. CORE DRILL AND GROUT PENETRATION SEAL FOR MIXED OXIDANT ADDITION LINE VENT. PROVIDE 316 SST MESH INSECT SCREEN.
27. HYDROGEN SENSOR (172-H-1).

Order Plans @



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Revisions	Date

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Approved: Energy Engineer

CONSTRUCTION DOCUMENTS

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Approved: Infection Control Officer

Approved: GEMS Coordinator

Approved: Service Chief

Approved: Chief of Staff

Approved: Associate Director

Approved: Chief of Facility Management Svc.

Approved: Medical Center Director

Project Title RENOVATE FOR WATER QUALITY			Date 04/28/2017
Drawing Title CI-402 WWA PUMP HOUSE MIXED OXIDANT FEED SYSTEM ENLARGED SITE PLAN			Project No. 658-15-101
Building Number 172	Checked MCP	Drawn MCT	DRAWING SET 2592 Dwg. 14 Of 155
Location VA MEDICAL CENTER, SALEM, VA 24153			

Veterans Affairs