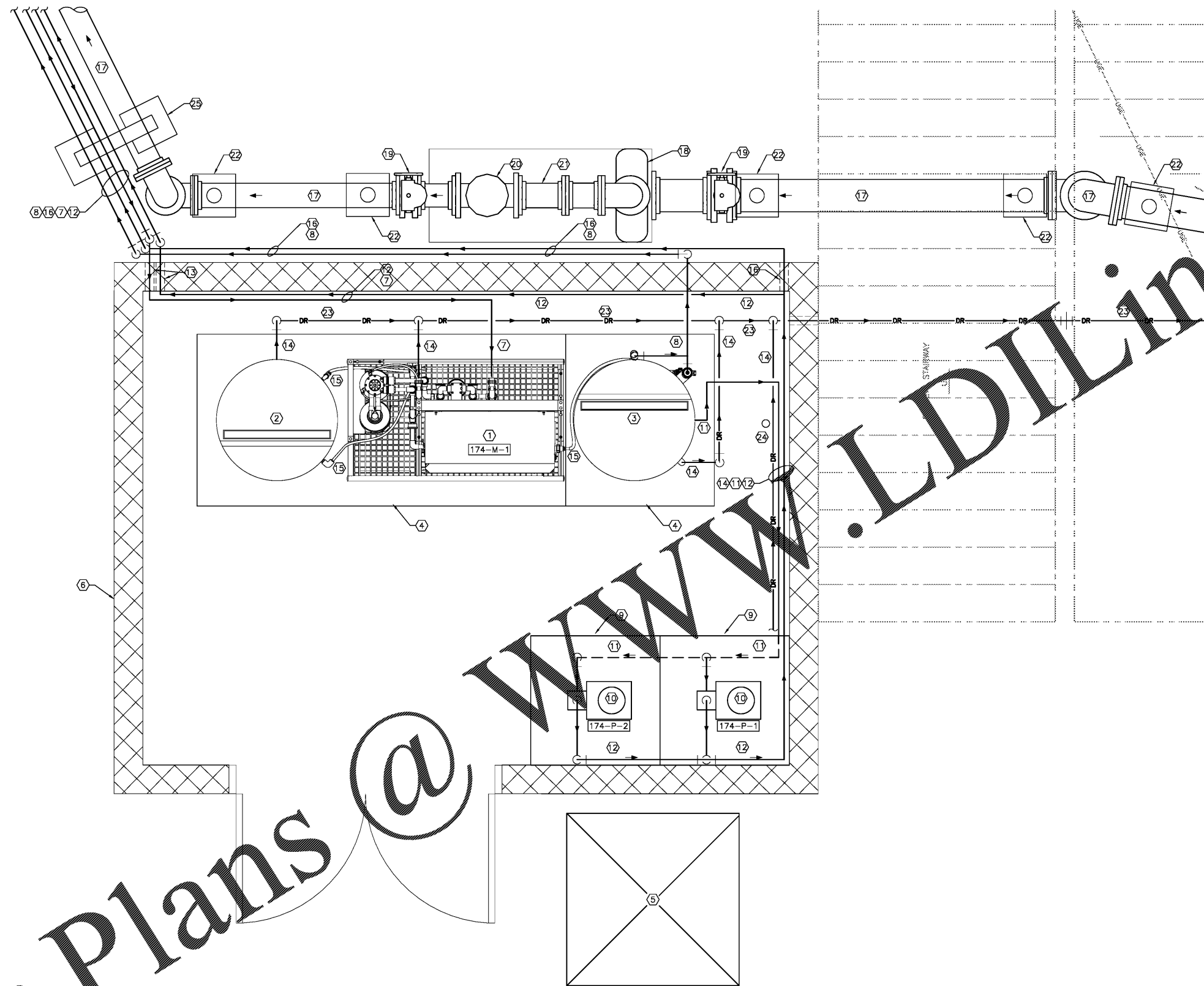


three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot



**GENERAL SHEET NOTES**

- REFER TO DIVISION 33 SPECIFICATIONS FOR PIPE WORK, INSTRUMENTS AND VALVES REFERENCED ON THIS DRAWING.
- 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 AROUND 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 UNBARRICUT 42" AFF AND CONNECT TO POWER AND CONTROL WIRING AND CONDUIT PER MANUFACTURER'S RECOMMENDATION.

**SHEET KEYNOTES**

- SITE MIXED OXIDANT GENERATION SYSTEM.
- BRINE TANK.
- MIXED OXIDANT SOLUTION TANK.
- 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.
- SALT STORAGE PALLET.
- CHEMICAL FEED ROOM. SEE ARCH PLANS FOR DETAIL.
- 3/4" SCH 80 CPVC SOLUTION MAKE-UP WATER LINE.
- 2" SCH 80 CPVC HYDROGEN VENT LINES. CORE DRILL AND GROUT PENETRATION SEAL FOR HYDROGEN VENT LINE.
- 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.
- MIXED OXIDANT CHEMICAL FEED PUMP. REFER TO GENERAL SHEET NOTE 2.
- 1/2" SCH 80 CPVC MIXED OXIDANT CHEMICAL FEED PUMP SUPPLY. FIELD ROUTE PIPING ALONG FLOOR.
- 1/2" SCH 80 CPVC MIXED OXIDANT ADDITION LINE. FIELD ROUTE PIPING ALONG WALL.
- PROVIDE CORE DRILL AND GROUT PENETRATION SEAL FOR POTABLE WATER LINE AND MIXED OXIDANT ADDITION LINE WALL PENETRATIONS.
- ROUTE 1" SCH 80 CPVC DRAIN LINES FROM MIXED OXIDANT GENERATOR, BRINE STORAGE TANK, MIXED OXIDANT SOLUTION STORAGE TANK AND CHEMICAL METERING PUMPS TO COMMON 2" SCH 80 CPVC DRAIN LINE. PROVIDE POSITIVE DRAINAGE FROM ALL EQUIPMENT DRAINS TO DRY SUMP.
- CONTRACTOR SHALL FIELD ROUTE FEED AND DRAIN CONNECTIONS BETWEEN MIXED OXIDANT GENERATOR, BRINE TANK AND MIXED OXIDANT SOLUTION TANK PER MANUFACTURERS RECOMMENDATIONS.
- 1" SCH 80 CPVC VENT. CORE DRILL AND GROUT PENETRATION SEAL FOR MIXED OXIDANT ADDITION LINE VENT.
- 6" DUCTILE IRON STORAGE TANK RECIRCULATION LINE.
- RECIRCULATION PUMP
- 6" GATE VALVE
- 6" CHECK VALVE
- 6" DISMANTLING JOINT
- ADJUSTABLE PIPE SUPPORT FLOOR MOUNTED, SEE DETAIL ON SHEET CI-501.
- 2" SCH 80 CPVC DRAIN LINE TO DRY SUMP. ROUTE LINE ALONG TANK PEDESTAL FLOOR SLAB INSIDE TANK, BURIED OUTSIDE TANK. PROVIDE POSITIVE DRAINAGE FROM ALL EQUIPMENT DRAINS TO DRY SUMP.
- HYDROGEN SENSOR (174-H-1).
- PIPE BRIDGE. DETAILED STRUCTURAL DESIGN FOR THE PIPE BRIDGE SHALL BE PERFORMED UNDER THIS CONTRACT BY A LICENSED STRUCTURAL ENGINEER. THIS DESIGN SHALL BE SUBMITTED TO THE CONTRACTING OFFICER'S REPRESENTATIVE FOR APPROVAL.

**BUILDING 174 ELEVATED STORAGE TANK - ENLARGED PLAN**  
SCALE: 1"=1'



Order Plans @

Revisions Date	 Atriax, pllc 102 3rd Avenue, NE PO Box 1629, Hickory, NC 28603 Phone: 828.315.9982 Fax: 828.315.9994 www.atriaxgroup.com	 WileyWilson 127 Nationwide Drive Lynchburg, VA 24502 Phone: 434.947.1901 www.wileywilson.com		Approved: Energy Engineer  <b>CONSTRUCTION DOCUMENTS</b>	Approved: Safety Manager  Approved: Infection Control Officer  Approved: GEMS Coordinator	Approved: Service Chief  Approved: Chief of Staff  Approved: Associate Director	Drawing Title CI-403 ELEVATED STORAGE TANK MIXED OXIDANT FEED SYSTEM ENLARGED SITE PLAN  Approved: Chief of Facility Management Svc.  Approved: Medical Center Director	Project Title RENOVATE FOR WATER QUALITY  Building Number 174  Location VA MEDICAL CENTER, SALEM, VA 24153	Date 04/28/2017  Project No. 658-15-101  DRAWING SET 2592 Dwg. 15 Of 155	Veterans Affairs
			Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief	Drawing Title	Project Title	Date		
			Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief	Drawing Title	Project Title	Date		
			Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief	Drawing Title	Project Title	Date		