

**STORAGE TANKS DISINFECTION** – USE ONE OF THESE PROCEDURES  
#1 DIRECT APPLICATION OF STRONG CHLORINE SOLUTION TO INNER SURFACES.  
**CHLORINE SOLUTION** – DISSOLVE ONE OUNCE CHLORIDE OF LIME AS A PASTE IN EACH GALLON OF CLEAN WATER; OR ONE OUNCE OF HTH OR PERCHLORON AS A PASTE IN EACH 26 GALLONS OF CLEAN WATER OR ADD 4 FLUID OUNCES OF 5% LIQUID BLEACH TO EACH 9 GALLONS OF CLEAN WATER; OR ADD 4 FLUID OUNCES OF 15% LIQUID BLEACH TO EACH 24 GALLONS OF CLEAN WATER. EACH OF THESE SOLUTIONS HAS A 220 mg/l CONCENTRATION OF AVAILABLE CHLORINE.  
**APPLICATION** SPRAY THE CHLORING SOLUTION OVER THE INNER SURFACE OF THE CLEANED, EMPTY STRUCTURE USING TREE-SPRAYING EQUIPMENT, OR WHITE WASH BRUSHES. USE SAFETY PRECAUTIONS FOR THE PERSONNEL IN THE TANK. **CONTACT PERIOD** – THE CHLORINE SOLUTION SHOULD REMAIN ON THE SURFACE FOR NOT LESS THAT 30 MINUTES. AFTER THAT THE STRUCTURE IS FILLED WITH WATER.  
#2 ADDING DISINFECTANT TO WATER AS STRUCTURE IS FILLED.  
**CHLORINE SOLUTION** – DISSOLVE (PASTE) 19 LB. CHLORIDE OF LIME AS A PASTE OR 8 LB. HTH OR PERCHLORON AS A PASTE IN EACH 1000 GALLONS OF WATER NEEDED TO FILL THE STRUCTURE. THIS GIVES A CONCENTRATION OF 50 MG/L AVAILABLE CHLORINE. ADD PASTE IN BATCHES AS STRUCTURE IS BEING FILLED.  
**CONTACT PERIOD** – ALLOW THE CHLORINATED WATER TO REMAIN IN THE STRUCTURE NOT LESS THAN 6 HOURS, AND PREFERABLY 24 HOURS, BEFORE EMPTYING TO WASTE AND REFILLING WITH POTABLE WATER.

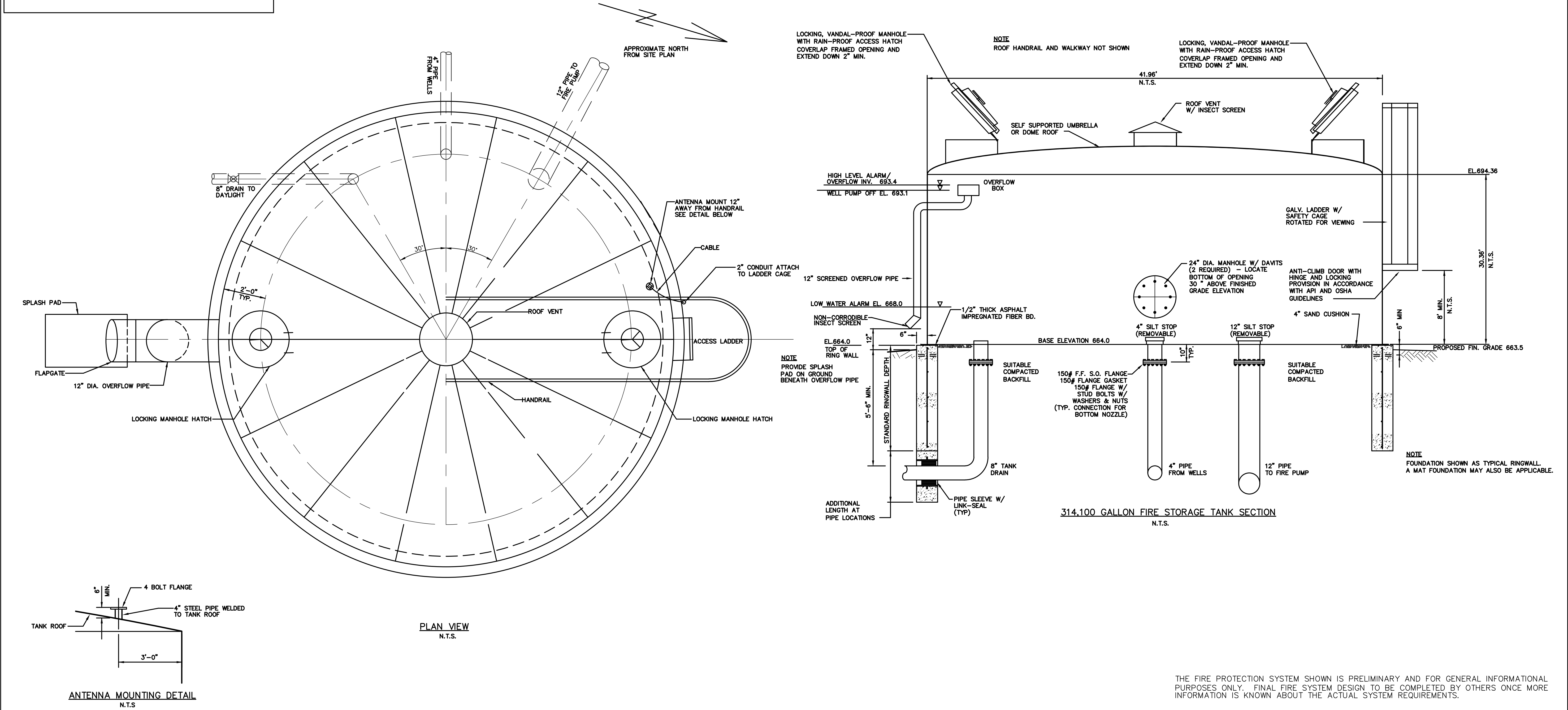
**GENERAL NOTES:**

- FOUNDATION DESIGN TO BE SUPPLIED BY THE MANUFACTURER AND SEALED BY A LICENSED ENGINEER.
- TOP OF RING WALL TO BE FINISHED TO TOLERANCE OF 1"± AROUND CIRCUMFERENCE.
- STORAGE TANK DESIGN TO CONFORM TO AWWA STANDARD D100
- PROVIDE LIGHTNING PROTECTION PER NFPA 78, SECTION 4-4.
- INTERIOR AND EXTERIOR FACTORY COATED PER AWWA STANDARD D103.
- PROVIDE DRESSER COUPLINGS WITHIN 5'-0" OF ALL TANK FLANGES TO AVOID SHEARING ACTION CAUSED BY SETTLING.
- ALL COATINGS AND MATERIALS THAT COME IN CONTACT WITH OR AFFECT THE QUALITY OF THE WATER SHALL BE ANSI/NSF STANDARD 61 CERTIFIED.
- DISINFECTION OF TANK TO BE PER AWWA STANDARD C652.
- DECHLORINATION OF STORAGE TANK AND SUPPLY LINES ARE TO BE IN ACCORDANCE WITH 10-STATES STANDARDS FOR WATER WORKS PART 7.0.18 DISINFECTION AND NYSDEC CODE REQUIREMENTS ON DISPOSAL OF CHLORINATED WATERS INTO THE ENVIRONMENT. CONTRACTOR MUST SUPPLY PROPER TABLET DECHLORINATION.

**TANK NOTES:**

- USE D.I. PIPE WITHIN AND UNDER FOUNDATION.
- LINES IN TANK SECTION ROTATED IN VIEW FOR CLARITY.
- PROVIDE FOUNDATION DRAIN TO DAYLIGHT AS NECESSARY.
- STORAGE TANK TO BE CST INDUSTRIES, INC. AQUASTORE FACTORY COATED BOLTED CARBON STEEL POTABLE WATER TANK, OR EQUAL. COLOR = FOREST GREEN UNLESS OTHERWISE DIRECTED BY OWNER.
- COORDINATE WITH MANUFACTURER'S SHOP DRAWINGS AND FOUNDATION DESIGN PRIOR TO CONSTRUCTION.
- PROVIDE A FULL TRAVEL LIQUID LEVEL INDICATOR ON EXTERIOR OF STORAGE TANK.
- ESTABLISH ANCHOR BOLT PLACEMENT FROM MANUFACTURER SHOP DRAWINGS AND / OR TEMPLATE PROVIDED BY MANUFACTURER.
- MANUFACTURER SHALL SUPPLY AN ACTIVE MIXER, OR EQUAL MEANS OF LIMITING THE POTENTIAL FOR FREEZING.
- TANK IS SHOWN AS TYPICAL, WITH CRITICAL ELEVATIONS AND DIMENSIONS PROVIDED. REFER TO MANUFACTURER'S SHOP DRAWINGS/PRODUCT LITERATURE.

**NOTE**  
PRESUMPTIVE SOIL BEARING CAPACITY OF 2000 PSF USED FOR FOUNDATION DESIGN  
CONTRACTOR SHALL NOTIFY DESIGN ENGINEER IF 2000 PSF ACTUAL BEARING CAPACITY CAN NOT BE DEVELOPED.



**PRELIMINARY-  
NOT FOR  
CONSTRUCTION**

2	PER NYSDOH 10/21/21 COMMENTS	MPG	11/15/21	
1	PER NYSDOH 7/14/21 COMMENTS	MPG	8/3/21	
REV.	DESCRIPTION	BY	DATE	APP'D.

**MILNES ENGINEERING INC.**  
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DRAWN: MPG		DATE: 4/2021	CHK'D:	DATE:
SCALE: NTS			APP'D:	DATE:
AUTOCAD FILE		DRAWING NUMBER		REV.
PROJECT NUMBER E-2121		T-2		2