

**SPECIFICATIONS FOR:** 51,700 Gallon Elevated Water Storage Tank  
Water Front Section #11, Peaks View Road  
Franklin County, VA

**SPECIFICATIONS CONTROLLING DESIGN:** AWWA D100-84, AWS D5.2-84, AWWA D102-78.

**MATERIAL:** Plates - ASTM A36  
Structural - ASTM A36  
Pipe - Standard Weight Black Pipe - ASTM A53  
Flanges - 150# Raised Face Slip-On - ASA B16.5

**SURFACE PREPARATION OF MATERIALS:** All interior surfaces to be sandblasted in accordance with SSPC SP10 (near white blast cleaning.) All exterior surfaces to be sandblasted in accordance with SSPC SP6 (commercial blast cleaning.) Mil profile to be minimum of .75 and maximum of 1.5.

**INTERIOR PAINT:** After surface cleaning, all interior surfaces shall receive one shop coat of TNE MEC 20-1255 Pota Pox Primer at 4.0 mils dry film thickness. After field erection and weld out, all welds and abraided areas shall receive one spot coat of TNE MEC 20-1255 Primer over surfaces cleaned to SSPC SP10. After spot priming, all interior surfaces shall receive one finish coat of TNE MEC 20-2000 Pota-Pox finish at 6.0 mils dry film thickness. Total dry film thickness for primer and finish coat to be minimum of 7.0 mils at any given test area. Paint to be as manufactured by TNE MEC Paint Company, Kansas City, MO.

**EXTERIOR PAINT:** After surface cleaning, all exterior surfaces shall receive one shop coat of TNE MEC #4-56 Gray Versare Primer at 2.0 mils dry film thickness. After erection and weld out, all welds and abraided areas to receive one spot coat of TNE MEC #4-56 Gray Versare Primer over thoroughly cleaned surfaces. After spot priming, all exterior surfaces shall receive one intermediate coat of TNE MEC #23 Enduratone Enamel finish at 2.0 mils dry film thickness. Total mil thickness to be a minimum of 4.0 mils. Color selection to be made by the owner.

**STERILIZATION:** After the interior paint is sufficiently dry, all interior surfaces to be sterilized in accordance with AWWA C652-86, Section 4.2, Method #2. Use one ounce of HTH per 26 gallon of water to produce a strong solution of 200 ppm, available chlorine. This is accomplished by dissolving the appropriate amount of HTH into a thin paste and adding the paste directly to the 6" of water. After thoroughly mixing this solution, a portable pump is used to spray all interior surfaces and to pump the solution from the tank. Allow a minimum of one (1) hour after draining this strong solution from the tank before filling with potable water.