



**NOTES:**

**GENERAL:**

1. SEE CONTRACT SPECIFICATIONS FOR DESIGN CRITERIA AND DETAILS. APPLICABLE ELEVATED TANK SPECIFICATIONS ARE AWWA D100/5 AND ACI 318, MOST RECENT VERSION.
2. STEEL TANK FLOOR WITHIN THE PERIMETER OF THE CONCRETE SUPPORT PEDISTAL SHALL BE SUPPORTED BY A STRUCTURAL CONCRETE SLAB.
3. PROVIDE ADEQUATE FREEBOARD TO ENSURE ROOF PROJECTIONS AND PAINTER RAIL REMAIN ABOVE THE HIGH WATER LEVEL.
4. CONCRETE PEDISTAL EXTERIOR SHALL INCORPORATE HORIZONTAL AND VERTICAL RUSTICATIONS TO CREATE A SYMMETRICAL ARCHITECTURAL PATTERN. SEE CONTRACT SPECIFICATIONS.
5. SEE CONTRACT SPECIFICATIONS FOR STEEL TANK COATING REQUIREMENTS.
6. TANK APERTURES ARE ROTATED FOR CLARITY.

**FOUNDATION:**

1. REFER TO THE GEOTECHNICAL REPORT FOR RECOMMENDATIONS REGARDING ALLOWABLE BEARING CAPACITY.
2. DESIGN LOADS IN ACCORDANCE WITH AWWA D100 (LATEST VERSION).
3. DESIGN CONCRETE FOUNDATION IN ACCORDANCE WITH ACI 318 (LATEST VERSION).

**MECHANICAL:**

1. INLET / OUTLET AND OVERFLOW PIPING WITHIN THE CONCRETE PEDISTAL SHALL BE TYPE 304L STAINLESS STEEL.
2. PROVIDE HANGERS, BRACKETS, AND THRUST RESTRAINT AS REQUIRED.
3. OVERFLOW SYSTEM SHALL BE DESIGNED TO ACCOMMODATE MAXIMUM FILL RATE. SEE CONTRACT SPECIFICATION.
4. REMOVABLE SILT STOP SHALL BE 6 INCHES ABOVE TANK FLOOR.

**MISCELLANEOUS IRON:**

1. ALL LADDERS AND LANTINGS SHALL BE GALVANIZED.
2. PROVIDE ALUMINUM SAFETY RAILS ON ALL LADDERS.
3. ROOF ACCESS TUBE AND TANK ACCESS HATCHES SHALL BE 30° SQUARE.
4. A REMOVABLE ALUMINUM LOUVER SHALL BE INSTALLED AT THE UPPER LANDING FOR ACCESS TO THE EXTERIOR PAINTER RAIL.

**ELECTRICAL:**

1. MOUNT BASE LIGHTS 10 FEET ABOVE SLAB ON GRADE.
2. LADDER LIGHTS SHALL BE AT 25 FEET MAXIMUM SPACING.
3. OBSTRUCTION LIGHT TO BE LOCATED 12 INCHES ABOVE HIGHEST POINT ON TANK.

**NOTES:**

**GENERAL:**

1. MAIN DOOR - 3\"/>

**SLAB ON GRADE:**

1. PROVIDE A 6\"/>
2. PROVIDE 1/2\"/>
3. SANGUIT CONTROL JOINTS 1 1/2\"/>
4. SLOPE SLAB MINIMUM 0.5% TO VEHICLE DOOR FOR DRAINAGE.

**MECHANICAL:**

1. PROVIDE EXPANSION JOINT ON INLET/OUTLET RISER TO ACCOMMODATE MAXIMUM POTENTIAL DIFFERENTIAL MOVEMENT.
2. CONNECT RISER AND OVERFLOW WITH A VALVED LATERAL FOR TANK DRAINING.
3. PROVIDE THRUST RESTRAINT AND SUPPORT AS REQUIRED.
4. INSTALL 3 PC. 3/4\"/>
5. INLET/OUTLET PIPE TO BE INSULATED AND CLAD WITH ALUMINUM JACKET WHERE REQUIRED FOR FREEZE PROTECTION. SEE SPECIFICATION.

**ELECTRICAL:**

1. MOUNT EXTERIOR DOOR LIGHTS 10' ABOVE GRADE.
2. MOUNT INTERIOR PEDISTAL BASE LIGHTS 10' ABOVE SLAB ON GRADE.

BY:

REVISIONS:

DATE:

**CLOSER TO THE HEART**  
**SPRING WATER ANTIOXIDANT AND SOUTHERN**  
**FLORIDA POTABLE TRANSMISSION SYSTEM**  
SARASOTA, FLORIDA  
**JOSEPH D. GILBERTI, P.E., LAND OWNER**  
SPRING WATER TOWER DETAILS AND NOTES

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JOSEPH D. GILBERTI, P.E.  
SCALE

FLA. PE NO. 56079  
DRAWN BY: JDC

APPROVED BY: JDC  
DATE: 5/30/12

SCALE: NTS  
DRAWING NO.:

SHEET  
NUMBER

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