

## **MODEL SPECIFICATION FOR CORGAL TANK – FLAT ROOF**

### **CORRUGATED, GALVANIZED STEEL WATER STORAGE TANK**

The water storage tank shall be a CorGal Model **1803-WT-FR** or equal with flat steel roof having a nominal capacity of **18,500** US gallons.

Nominal tank dimensions shall be 18'-0" diameter, 10'-9" eave height, and 11'-1" overall height.

The water storage tank shall be designed to store water with a density of 62.4 PCF in a seismic zone 2B with a wind speed of 90 MPH, UBC Exposure C.

The tank structure shall consist of corrugated galvanized steel wall sheets, an interior joist roof system covered with flat galvanized steel roof panels, 24" round access opening and cover located on the roof surface, anchor clips and necessary hardware for tank assembly. A removable side access panel shall be provided for use during tank construction and for emergency access.

All steel panel material shall be galvanized to meet the G-115 galvanizing standard.

Bolts shall be heat treated to grade SAE 8.2 and electro-galvanized with JS-500 clear coating.

Roof bolts shall have factory installed, steel-backed vinyl washers.

Wall bolts shall have slotted button heads for insertion from inside the tank toward outside.

Water containment system shall consist of liner hanger brackets, a geo-textile pre-liner installed on the foundation and the interior of the walls and a 25 mil. PVC factory welded seam, flexible membrane main liner.

The water tank shall be constructed on a concrete foundation as designed and installed by others.