

## **MODEL SPECIFICATION FOR CORGAL TANK – 30 DEGREE ROOF**

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

The water storage tank shall be a CorGal Model **4205-WT-CHR** or equal with standard 30 degree high-rib roof having a nominal capacity of **178,000** US gallons.

Nominal tank dimensions shall be 42'-0" diameter, 17'-11" eave height, and 30'-3" 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 and curved steel wall sheets, corrugated galvanized steel high-rib roof panels, standard roof peak access and cap, anchor clips and necessary hardware for tank assembly. Press-on bulb type neoprene eave seal shall be used to seal between the top wall panel and the roof panel.

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 40 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.