

MODEL SPECIFICATION FOR CORGAL STANDARD TANK – 30 DEGREE ROOF

CORRUGATED GALVANIZED STEEL WATER STORAGE TANK

The water storage tank shall be a CorGal Model **3905WTCHR** or equal with standard 30 degree high-rib roof having a nominal capacity of 153,000 US nominal gallons.

Nominal tank dimensions shall be 39'-0" diameter, 17'-11" eave height, and 29'-4" overall height.

The water storage tank shall be designed to store water with a density of 62.4 PCF in compliance with CBC 2010 with a wind speed of 90 MPH per ASCE #7.5, Exposure C.

Foundation design shall be site specific per AWWA D-103 and CBC2010.

The tank structure shall consist of corrugated galvanized steel wall sheets, high-rib galvanized steel 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. 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.

Extruded bead sealant shall be installed on all vertical wall seams.

All primary tank fittings shall be SCH 80 PVC or Galvanized Steel or equal.

NSF61 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.

Storage Tank shall be constructed on site using CorGal factory trained and approved on site California fabricator or equal.