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## ERECTION OF THE TANK

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### GENERAL PROVISIONS

- ❑ Do not handle or install tank without having knowledge and experience in procedures involved with proper and safe installation of an above ground tank used for storage of stable, flammable and combustible liquids. Reliance on skilled, professional installers is an important factor in avoidance of tank damage and system failures.
- ❑ Equipment for handling the tank shall be of adequate size to lift and position the tank. DO NOT DROP OR DRAG THE TANK.
- ❑ Tanks shall be carefully handled using cables or chains of adequate length (with spreader bars, if necessary) and size. Attach to the tank using the lifting lugs provided. Care should be taken that the angle between the two cables, at the lift point, shall be no greater than 60 degrees.
- ❑ DO NOT HANDLE OR MOVE THE TANK UNLESS IT IS EMPTY.
- ❑ This is a stationary tank. Do not use this tank for transport of any product.

### PRIOR TO TANK ERECTION – MIXER PROVISION

If the tank provided has a top-mounted mixer installed, THEN THE MIXER SHAFT SUPPORTS ON THE INSIDE OF THE TANK MUST BE REMOVED PRIOR TO ERECTING THE TANK. Metal supports and/or nylon straps are attached to the mixer shaft to prevent it from movement during shipment. These are to be removed at ground level for safety and to prevent damage to the equipment prior to lifting the tank in its vertical position.

### TANK ERECTION WITH TWO (2) CRANES

Setting the tank in place will require two cranes. A large crane of adequate size is required to lift the *full weight of the tank* and a smaller crane at the bottom of the tank is needed as a guide. Both cranes lift the tank at the same time with the larger crane at the top lifting the highest. The smaller crane is used to keep the base of the tank off the ground until it is vertical. Once the tank is vertical the small crane can be disconnected and the tank set in place with the large crane. Secure the tank to the foundation.

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Note: The bottom end with the tank heat system commonly the heaviest end of the tank.

## **SECURE TANK TO FOUNDATION**

Once the tank is in place and leveled on the concrete pad in its correct location, weld the bottom of the tank to the steel weld-down plates in concrete available or anchor the tank to the concrete with anchor bolts through the lugs or anchor chairs at the base of the tank provided.

## **GROUT AROUND BASE**

As with all vertical tanks, it is recommended and good practice to grout around the base of the tank to prevent moisture from settling under the tank

## **TO-DO LIST AFTER TANK HAS BEEN ERECTED**

### **1. INSPECT INTERIOR OF TANK**

After the tank has been erected and secured to the foundation, remove the 24" manway cover to allow access to the inside of the tank. Inspect the interior of the tank for cleanliness and any loose material. If there is any material that came loose during shipping remove it from the tank and report it to Meeker Equipment Co., Inc. immediately.

### **2. REMOVE HEATING COIL SHIPPING SUPPORT**

Remove any coil brace (if supplied) bolted to the tank wall that supports the weight of the heating coils when in the shipping position. Be sure to remove all loose bolts and nuts from the interior of the tank.