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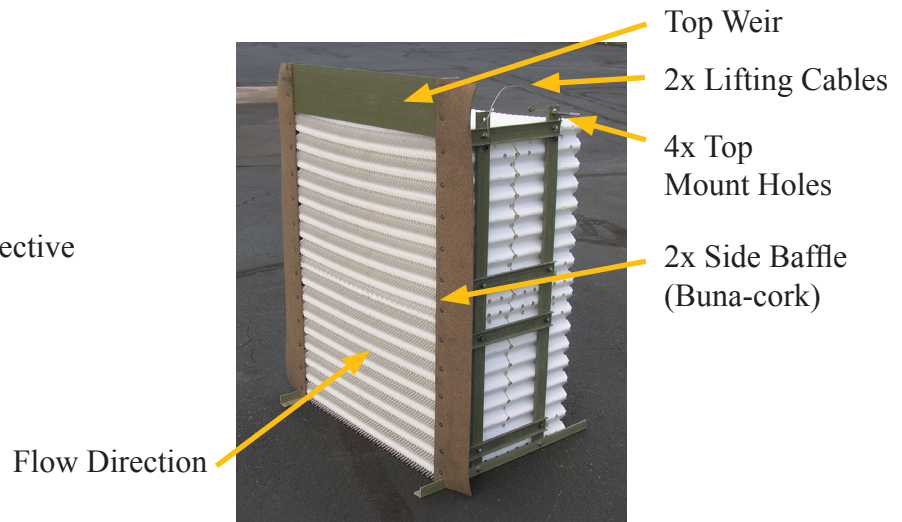
# INSTALLATION Instructions

## Plate Pack Frame (PPF) Installation & Cleaning Instructions

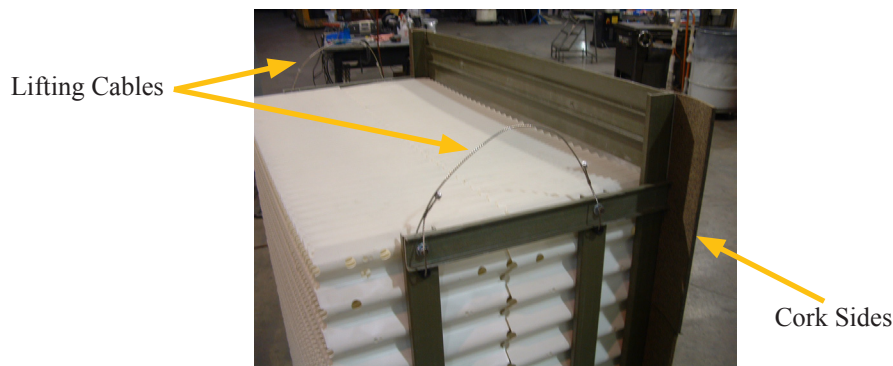
### Installation

Hand Tools Needed for Installation:

- Drill (Hammer drill preferred)
- 1/2" Concrete drill bit
- Safety glasses and personal protective equipment (PPE)
- 9/16" Socket
- 9/16" Wrench



1. Vault must be clean with no oil or water.
2. Lift the entire unit by the two stainless steel lifting cables located on the top and outside of the frame (see picture below).



3. Determine the plate pack location in the vault. Lower the unit into vault with cork sides facing the vault inlet.
4. When lowering the plate pack, bend both weir cork sides **towards inlet** of vault. Temporary tape or a strap will be sufficient. Remove tape or strap when plate pack is completely lowered. The cork will bend back to form a seal against the inside vault wall once the unit is installed.

**Over** ⇨

5. Advise vault engineer for drilled hole acceptance before proceeding. To fasten the plate pack to the concrete vault, locate four top mount holes on vertical legs. (See picture at right)

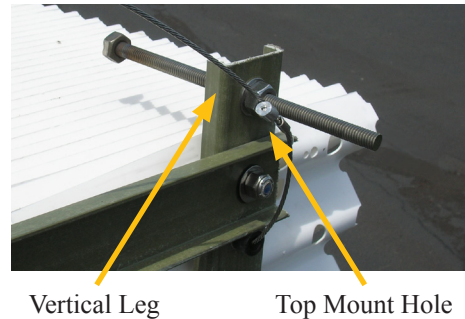
6. Mark vault side wall hole centers through top mount holes. Move pack forward for drilling access. Drill hole with 1/2" concrete drill bit approximately 1 5/8" deep. Clean out holes with pressurized air or screwdriver. Wear safety glasses and PPE

7. Move pack back into position to align drilled vault holes with top mount holes.

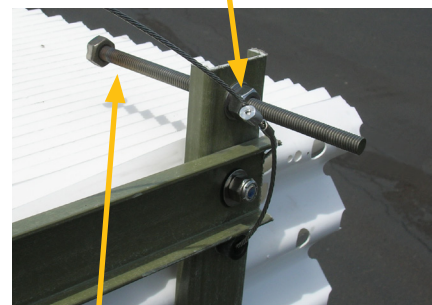
8. Remove and open the package of mounting fasteners. Package includes four tie rod assemblies for top mount.

9. Install tie rod assemblies by removing outer nut and washer, insert through top mount hole, re-install washer and nut and push tie rod into drilled hole so tie rod fits all the way into the vault holes. Tighten nuts on both sides of top mount hole for a tight fit against both sides of vertical leg. Do the same for the remaining three tie rod assemblies.

Top Mount



Leg Hole



Bolt

10. Fill vault with clean water or clean base fluid

## Cleaning

1. The plate pack frame does not need to be removed from the vault to be cleaned.
2. Remove top oil sludge first and then the remaining water from the vault.
3. Pressure wash the plate packs from top down and from both the inlet and outlet sides. Do not use detergent to clean plates. Use only clean water or clean base fluid.
4. Remove the additional water/oil from the vault.
5. Fill with clean water or clean base fluid.