



Information, research, and solutions for open channel flow

Equipment Shelter Installation Instructions

Examination

Verify that the Equipment Shelter dimensions are correct and that the site conditions are suitable for installing the unit.

Equipment Shelters must remain sealed between the section joints. Where required, apply one or two continuous beads of silicone on all exterior section joints before proceeding with the installation.

Installation

Concrete Foundation Slab

Provide a concrete foundation slab on which to mount / secure the Equipment Shelter. The slab should extend a minimum of 6-inches [15.24 cm] on all sides beyond the Equipment Shelter and the base mounting flange (if external).

The thickness of the slab should be a minimum of 6-inches [15.24 cm], but as local soil conditions may vary, the final design of the slab and anchoring details are the responsibility of the installing party and must be sized so as to prevent wind uplift and any other applicable local conditions.

The slab must have a smooth, troweled surface to provide uniform support over the entire base structure. The slab must be level in both directions to within 1/8-inch [0.3175 cm] and free from exposed aggregate and debris.

Lifting the Equipment Shelter

Inspect all of the lifting lugs to verify that they are tightly secured to the Shelter sections.

Inspect the installation location and surrounding areas for any obstacles (INCLUDING OVERHEAD) that may cause difficulties or present a hazard – addressing them as necessary before proceeding.

On the concrete foundation slab caulk out the corners of the intended location of the Equipment Shelter, making sure the installation is square.

Using **ALL** of the provided lifting lugs and **PROPER RIGGING TECHNIQUES**, move the Equipment Shelter to the desired installation location.

If the installation location is suitable and the installation square, lift the Equipment Shelter so that the provided base mounting flange sealant / gasketing can be applied.

Apply the sealant / gasketing and then lower the Equipment Shelter onto the slab.



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Securing the Equipment Shelter

With all doors shut, drill the concrete foundation slab at each pre-drilled base mounting flange location to the size / depth as indicated by the anchor bolt manufacturer.

During initial setting of the Equipment Shelter, anchor bolt locations may be skipped to minimize the time needed to square the Equipment Shelter on the slab.

Verify the operation of the door(s).

Once the Equipment Shelter has been squared on the slab, the initial anchor bolts should be securely tightened.

With the initial anchor bolts secured, the remaining anchor bolts should be installed and secured.

Verify the operation of the door(s).

All anchor bolt locations should be used to ensure that wind uplift cannot occur.

While factory sealed, the seams of modular shelters should be inspected after installation for watertightness. This inspection should also take place annually. Seal as necessary.

Installation / Operations Photographs

As part of the registration process for Openchannelflow's FiberLock equipment warranty:

Photographs of the installation process and the completed installation must be submitted for the full (5) year FiberLock warranty

These photos not only serve to document the installation process actually used but also help Openchannelflow assist in troubleshooting operations that are not performing optimally. The better the pictures (or set of pictures), the better (and more accurate) the service that Openchannelflow can provide.

Adjust and Clean

Verify that the complete installation meets the criteria above and any additional criteria supplied by the Engineer.

Clean the flow surfaces in accordance with the manufacturer's operation and maintenance instructions. Remove all trash and debris, leaving the site in a clean condition.