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MODULAR ENCLOSURE – 14’, 16’, & 20’ Installation Instructions

UNLOADING

Always place the unit on a level surface or use blocking to keep the pallet flat on uneven ground. Failure to do this could cause distortion or cracking of the fiberglass which is not covered under warranty.

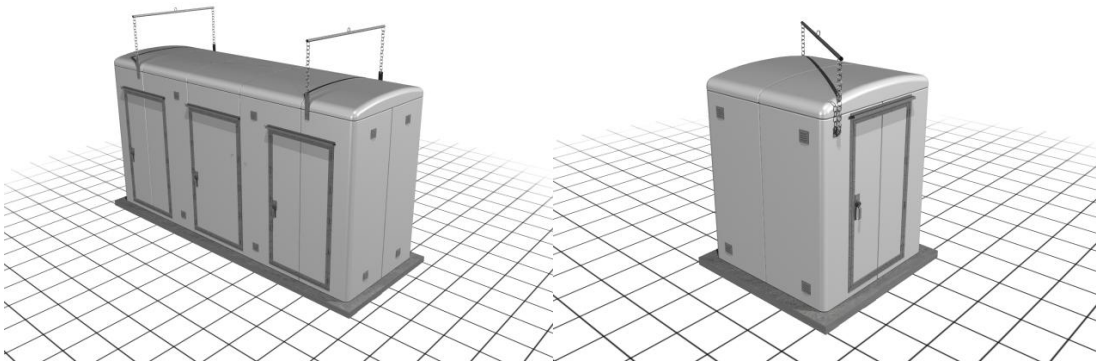
The doors may not operate correctly due to flexing of the fiberglass. See adjustment section below for readjustment of doors after the unit is assembled and bolted down properly.

The 14’, 16’, and 20’ wide modular enclosures are shipped in two halves with support bracing. The units require two forklifts or a crane to lift them off the truck. Each half is typically loaded by lifting on either side with a forklift and then having the truck back underneath the unit. Unloading can be done in the same way. When using a crane, a spreader bar is required so that the force on the lifting eyes is straight up. The length required is the half width of the enclosure (7’, 8’, or 10’). Adjustment in the spreader bar assembly may be required due to uneven weight distribution from doors or wall mounted equipment.

After unloading, inspect the unit for any shipping damage and note any damage on the bill lading. Some equipment may be shipped on the pallet inside the enclosure. It is important to review and inspect this equipment for shipping damage as well.

PLACEMENT

The modular enclosure can be lifted by the lifting eyes provided on the enclosure. There are 1” diameter holes in the end of the bars for attachment. A spreader bar assembly is required for lifting so that the force is straight up on the bar and not off at an angle. The length required is the half width of the enclosure (7’, 8’, or 10’). There are no other special tools needed to lift the enclosure.

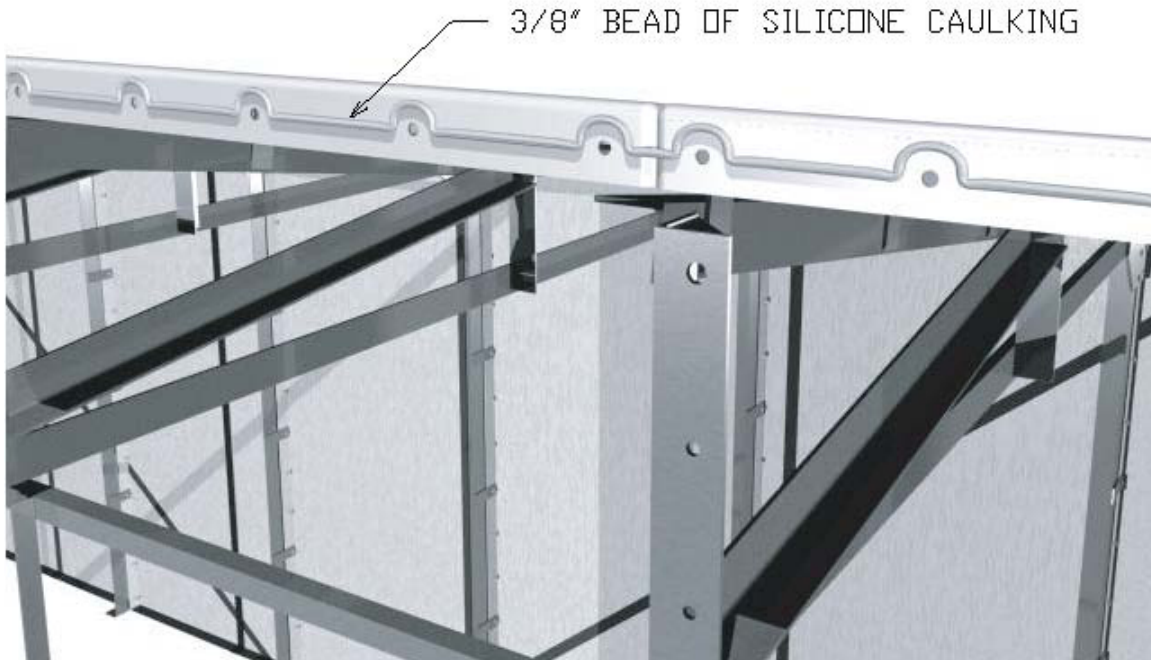


Remove the lag bolts from the internal flange to release the modular enclosure from the pallet. If any doors need to be opened while placing the unit make sure the doorstop rod is in place. Adjustment in the spreader bar assembly may be required due to uneven weight distribution from doors or wall mounted equipment.

Shipping braces attached to the steel trusses are supplied to support the unit in shipping and placement until the unit is bolted together. If the unit is being placed over equipment already on the pad, the trusses will need to be supported until the two halves are bolted together. **Failure to properly support the trusses can cause assembly problems and may cause damage to the enclosure.**

ASSEMBLY

The unit was assembled as a complete unit at the factory then the center seam was unbolted for shipping. To reassemble, the fiberglass flange will need to be caulked and bolted as well as bolting each truss half together. Apply a generous 3/8" bead of caulking to the fiberglass flange as shown. Slid the two halves together aligning the holes up on the trusses and fiberglass flange. Use the 3/8" SS bolts with flat washers on both sides to bolt the fiberglass flanges together. Use (2) 3/4" galvanized bolts with (4) plate stiffener and either (1 or 2) 1/2" SS bolts to assembly the trusses together. **Refer to the application drawing for details on bolting the truss together.** Tighten the truss bolts before tightening the fiberglass flange bolts. After all the bolts have been tightened, apply a second bead of caulking to the seam from the outside and use a putty knife to remove the excess. Apply additional caulking on the bottom of the ridge cap and place on the enclosure. Apply a dab of caulking in each predrilled hole then using the SS screws, attach the ridges cap pieces by screwing into the fiberglass.



PAD

It is recommended to put the enclosure on a housekeeping pad where the flange is 1-2" below the interior floor. The base does not need to be sealed in this approach and allows any water, which might get inside to drain out. If the base is required to be sealed, caulk the bottom of the fiberglass flange before it is set down. It is recommended to have the pad at least 6" larger than the enclosure on each side for anchorage. Pad design is the responsibility of the customer.

ATTACHMENT

The base mounting flange is nominally 3/8" thick with 7/8" diameter holes on approximately 14" centers. Recommended anchor bolt size is 1/2" diameter extending 1 1/2" above and 5" into the pad. Drilled in place stainless steel bolts or wedge anchors are recommended due to variations in pads, door placement, equipment mounting, etc. It is not necessary to use all anchor bolt holes provided. The extra holes are provided in case floor or wall mounted equipment is in the way. Each wall or corner section should have at least two anchor bolts and they should be equally spaced around the enclosure. Single doors should have at least (2) anchor bolts underneath the opening and double doors should have (3-4) depending on the width. Each galvanized steel leg support must have an anchor bolt attaching it to the pad. **See application drawing for pad size and any special anchoring requirements.**

ADJUSTMENT

After the enclosure is securely bolted to the pad, the door may require some adjustment. This can be accomplished by loosening the $\frac{1}{4}$ " bolts holding the hinges. The door should then be shimmed on the bottom and side opposite the hinges. Retighten the $\frac{1}{4}$ " bolts on the inside with the shims in place. If the pad is not completely level it may be necessary to shim under the enclosure flange for the door to operate correctly.

