

# INSTALLATION INSTRUCTIONS

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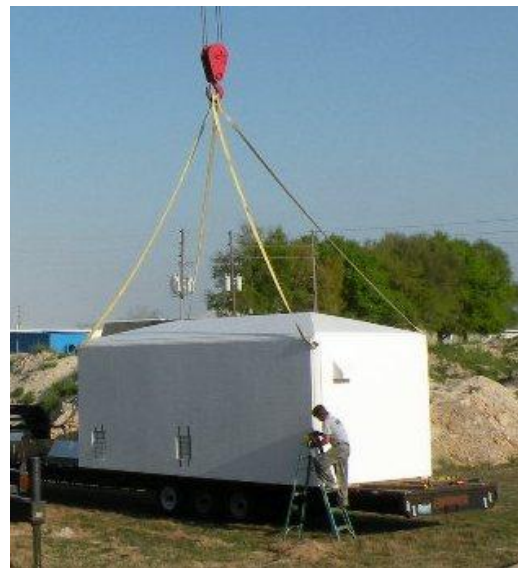
## Preparation:

For best installation results the slab upon which the building sits must be true and level to a maximum surface variance of 3/16" where the building will interface with the slab. The slab immediately surrounding the building shall be sloped away at a pitch of 1/2" per foot to promote proper drainage and eliminate the potential of standing water around the building (see illustration on sheet #3 of submittal drawing package). At the time of installation the slab shall be clean and dry.

## Installation:

Shelter Works recommends that buildings be offloaded using an overhead crane or similar lifting equipment with sufficient capacity for the load. Lifting, loading, unloading and installation must be performed only by qualified, experienced personnel.

1) Using nylon straps and shackles lift building off trailer. The straps should be long enough that when they are taught they are more vertical than horizontal. In other words, the straps should be attached to a single lift hook high above the roof of the building.



2) Orient and set building in the desired location on the slab (leave straps attached through step # 11).

- 3) In two opposite corners drill a 3/8" hole through the base flange of the building and into the slab.
- 4) Temporarily pin the two corners to keep the building from moving. 3/8" diameter rod works great.
- 5) Before being anchored, the walls are somewhat flexible and may need to be temporarily braced, as needed, to ensure they are straight before drilling any more holes. A typical solution is to use lumber cut to length to span from one wall to the opposite wall. A tight string line from end to end on the outside of the wall will allow you to determine when the wall is straight.
- 6) Mark and drill all remaining anchor bolt holes through base flange and slab (in accordance with anchor bolt manufacturer's specifications) at the spacing as indicated on sheet 3 of the submittal drawings.
- 7) With a construction pencil or marker, trace the outline of the exterior of the building on the slab.
- 8) Lift building off slab and sweep away all debris from drilling.
- 9) Apply a row of 5/8" x 7/8" Conseal base gasket midway between the drilled holes and the traced outline of the building on the slab. Be sure that any Conseal butt joints are tight so that when they are compressed the form a continuous seal. In colder weather warm up the Conseal to 75 degrees F before applying it to the slab.
- 10) Lower building down to within a couple of inches of the slab.
- 11) Use alignment pins through the base flange and into the drilled holes in the slab in the four corners and at the midway point of each wall to guide the building down the remaining couple of inches onto the slab.
- 12) Insert expansion anchor bolts into all holes and partially tighten.
- 13) Go around to each bolt a few times, tightening a little more each time until the bolts are all snug and the base gasket is compressed to not more than 1/4" thick.
- 14) Reattach any items that were shipped loose such as rain hoods and exterior lights, and be sure to weather-proof these items with provided caulk.
- 15) If you make any other penetrations through the walls or roof for conduits, fasteners, etc... be sure to seal up the holes with a silicone caulking to prevent water infiltration.

If you have any questions please contact Shelter Works at (800) 794 8037.