



SHELTER OFFLOADING AND INSTALLATION INSTRUCTIONS



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 should be performed by qualified, experienced personnel only. Follow instructions provided by the project engineer or project owner.

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. At the time of installation the slab shall be clean and dry.

(1) Using shackles, attach 4 nylon straps to all 4 lifting eyes provided and lift from above using a single-point hook. Straps should be at least 75% the length of the shelter (e.g.: If the shelter's length is 20', the straps should be at least 15' long.) Lift the building from the trailer.

(2) Orient and set the 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. Temporarily pin the two corners to keep the building from moving. (3/8" diameter rod works great.)

(4) 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.

(5) Mark and drill all remaining anchor bolt holes through the base flange and slab (in accordance with anchor bolt manufacturer's specifications) at the spacing as indicated on sheet three of the submittal drawings.

(6) With a construction pencil or marker, trace the outline of the exterior of the building on the slab.

(7) Lift building off slab and sweep away all debris from drilling.





(8) Apply a row of Conseal base gasket to the slab, midway between the drilled holes and the traced outline of the building. Be sure that any Conseal butt joints are tight so that when they are compressed they form a continuous seal. In colder weather, warm up the Conseal to 75°F before applying to the slab.

(9) Lower the building down within a couple of inches of the slab.

(10) 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.

(11) Insert expansion anchor bolts into all holes and partially tighten.

(12) 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 a ¼" thick.

(13) Reattach any items that were shipped loose such as rain hoods and extra lights. Be sure to weatherproof these items with the provided caulk. 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.

Questions or concerns? Contact Shelter Works at (800) 794-8037