

8 Ft Wide Enclosure Assembly Guide



EntraBOX

Secure Modular Buildings

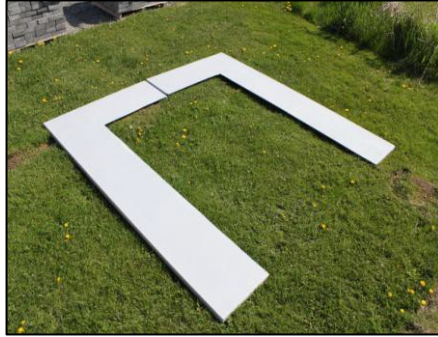
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Parts List: 8' Wide Vertical Building



Wall Panel (x2)



Front Panel Set



Rear Panel Set

Required Tool List

- 1 or more extension cords depending on distance to power supply
- 2 variable speed 3/8" drills (one cordless is a good option)
- 1 1/2" drill bit with 3/8" shank
- 2-3 5/16" drill bits for steel, not speed bore wood bits
- 1 adapter for drill to accept sockets or electric impact gun
- 1 3/4" deep socket
- 1 7/16" deep socket
- 1 1/2" deep socket
- 1 large 825 mil caulking gun
- 1 regular 300 mil caulking gun
- 2 7' high step ladders (taller ladders will be required if the unit is higher than 9')
- 1 tape measure
- 1 48" level (on larger buildings a transit level may be required)
- 2 36" pry bars
- 6-8 large vise grip "C" clamps
- 1 double high set of scaffold
- Dead Blow Hammer

Hardware List



Used for bolting **end panels** internal flange together. 1/4-20 x 1" hexcap and 1/4" nut



Used for bolting **side wall panels** internal flange together. 1/2-13 x 2" hexcap, 1/2" nut and washers.



Used for bolting **end wall panels** to the side walls. 1/4-20 x 2 1/2" carriage bolt and 1/4" nut.



4

Maintenance:

EntraBOX fiberglass modular structures are VIRTUALLY MAINTENANCE FREE! However VIRTUALLY does not equal COMPLETELY.

To ensure long the fiberglass modular structure last its lifetime follow these few steps:

Step 1: In case of heavy snow load or large amount of snow followed by a quick freeze, removing excess snow from the fiberglass building is recommended. The building is engineered to meet snow loads of 100 lbs per square foot. That's a great deal of snow, however there are times in areas of northern US and Canada where snow falls will exceed that 100 lbs per square foot and it is important to take the time to prevent excess snow build-up.

Step 2: If damage to the building occurs that reveals a crack, dent or buckle of the any of the panels it is important to repair the panel. Cracks and dents in the fiberglass can affect the overall integrity of the building making it less able to withstand the wind and snow loads it was engineered for. Repairs are inexpensive and easy to do, for more information or to purchase a repair kit contact us.

Step 3: Door maintenance, please refer to the roll-up door guide for ongoing maintenance of the roll-up door.

Site Preparation

Options for Mounting:

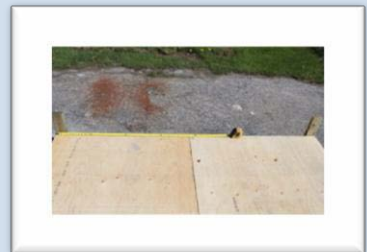
- Pressure Treated Wood Floor
- Concrete Pad

It is important to make sure that the base of the building is constructed to the correct dimensions for the building supplied. Please refer to the below chart or contact us.

	Width	
	8 ft	10 ft
Length		
4 ft	7' - 9" wide 4' - 0 1/4" long	9' - 9" wide 4' - 0 1/4" long
8 ft	7' - 9" wide 8' - 0 1/2" long	9' - 9" wide 8' - 0 1/2" long
12 ft	7' - 9" wide 12' - 0 3/4" long	9' - 9" wide 12' - 0 3/4" long
16 ft	7' - 9" wide 16' - 1" long	9' - 9" wide 16' - 1" long
20 ft	7' - 9" wide 20' - 1 1/4" long	9' - 9" wide 20' - 1 1/4" long
24 ft	7' - 9" wide 24' - 1 1/2" long	9' - 9" wide 24' - 1 1/2" long
28 ft	7' - 9" wide 28' - 1 3/4" long	9' - 9" wide 28' - 1 3/4" long
32 ft	7' - 9" wide 32' - 2" long	9' - 9" wide 32' - 2" long
36 ft	7' - 9" wide 36' - 2 1/4" long	9' - 9" wide 36' - 2 1/4" long
40 ft	7' - 9" wide 40' - 2 1/2" long	9' - 9" wide 40' - 2 1/2" long

All dimensions noted above are for the maximum dimension of the floor or base of the building.

Wood Floor:



NOTE: The "LEVEL" base is critical for proper door operation.

Panel Assembly – Rear Section – Clamp/Bolt

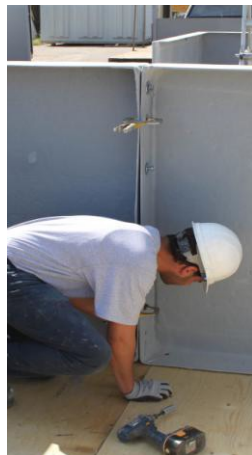


Step 1: Layout rear section next to base (a section is two side wall panels together to make a U shape). Be sure to have the drilled holes of the roof section facing down. There will be no holes in the side facing up.

Step 2: Clamp the two sections together. Keep outside surface flush.



Step 3: Use a dead-blow hammer to square up the panels, making sure that the panels are flush.



Step 4: Bolt panels together. Tighten bolts.

Panel Assembly – Rear Section – Lift and Secure



Step 1: Attach 2x4 brace across panels, flush to outside of both panels.

Step 2: Measure out where the holes for base will be by predrilling the base of the panel.

Step 3: Prepare to lift onto base/floor by having two people guide the section up. Place one person on each side wall.

Step 4: Lift and slide to the stopper at the end of the panel. Make sure it is snug to end.

Panel Assembly – Rear Section – Lift and Secure

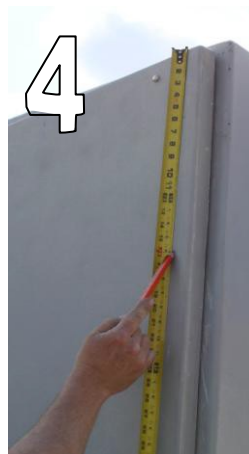


Step 5: When the panel is snug to the end of the base drill and bolt to the base/floor using lag bolts supplied at approximately 16" O.C.

Step 6: Repeat for opposite side and then remove stoppers.



Panel Assembly – Rear Panel Set/Secure



Step 1: Set one of the rear panels in place and clamp along the internal flange, in the top corner of the rear panel.

Step 2: Ensure edge of panel is aligned to inner seam of side wall panels at the roof.

Step 3: Insert the carriage bolts into sill and tighten.

Step 4: Measure the placement of bolts from top of the rear panel alongside where it anchors to the side wall panel.

Step 5: drill and bolt using carriage bolts supplied at approximately 16" O.C.



Panel Assembly – Rear Panel Set/Secure



Step 1: Set other rear panel in place, align using a dead blow hammer and clamp.

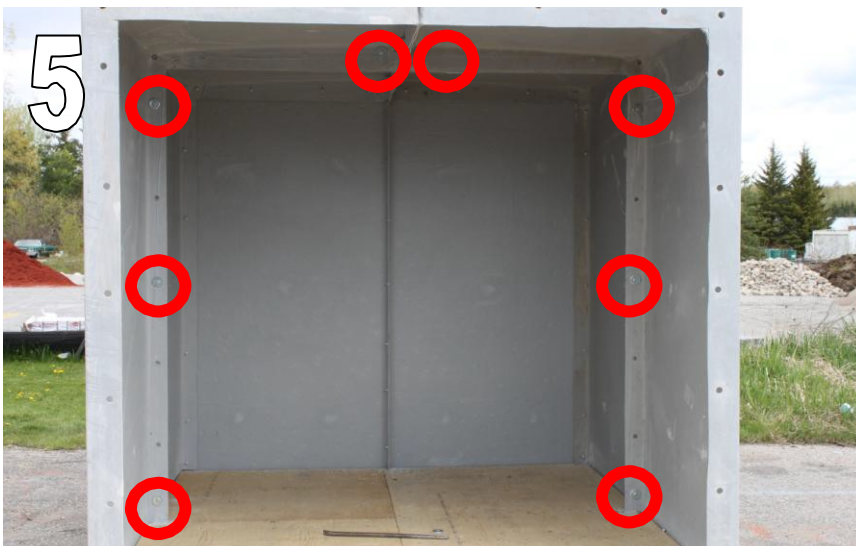
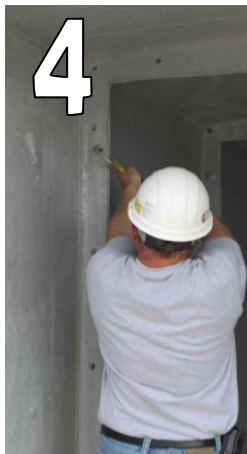
Step 2: Drill the bolt flange approximately every 16" using ¼" x 1" hexcap bolts supplied.

Step 3: Clamp gable to expanders and end set.

Step 4: Repeat Steps 2 and 3 to bolt rear panel to side wall panel



Panel Assembly – Remaining Sections



Step 1: Repeat page 6 instructions for setting up a section.

Step 2: Lift Section in place, clamp bolt flanges.

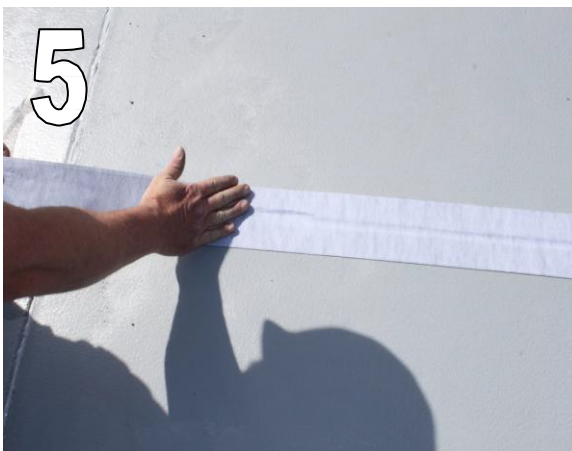
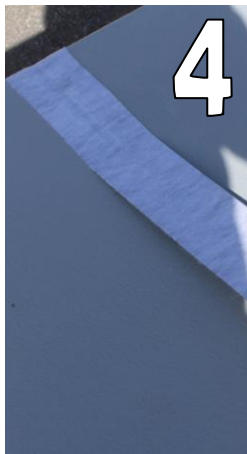
Step 3: Using a dead blow hammer ensure seams are flush on outside

Step 4: Drill the bolt flange approximately every 16" using ¼" x 1" hexcap bolts supplied.

Step 5: Tighten ONLY bolts at the roof joint, the corner the centre of the wall and the bottom of the wall as shown. This will allow some flexibility in the joints as the other sections are added. Once all sections are up and fastened as shown ensure all outer seams are flush and then complete the fastening and tightening of ALL bolts.



Panel Assembly – Front Panel Set and Roof Seal



Step 1: Set one of the front panels in place.

Step 2: Refer to page 8 and 9 and repeat steps for rear panels

Step 3: Using caulking supplied run a bead of caulking along four roof seams.

Step 4: Adhere Web Seal roof tape over seam, with buildings seam centred under the tape.

Step 5: Smooth the tape out with your hand to ensure it is secure.

Step 6: Apply with a paint brush the silicone roof sealant over the tape to seal in the seams of the tape. Allow to dry.

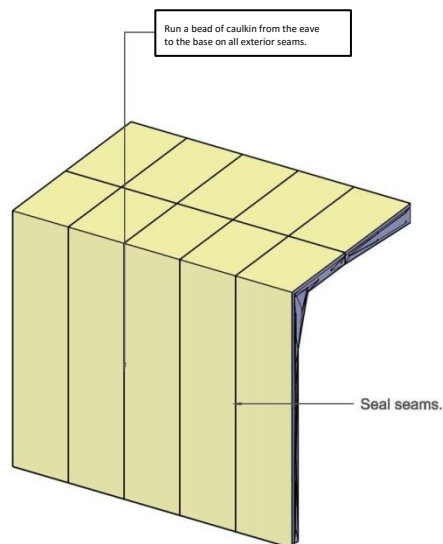
Panel Assembly - Caulking and sealant - Sides Only:



Caulking and Sealant:

Run a bead of caulking from the eave to the base on all seams on the exterior. Make sure the bead is not just sitting on the surface but has penetrated the seams.

**THIS SHOULD BE DONE
BY SOMEONE WITH
EXPERIENCE.**



Panel Assembly – Caulking and Sealant - Roof Only:



*****Where there are larger gaps along the roof panel seams we recommend using spray foam instead of caulking to seal the gaps.*****

This should be done by a experienced person as this is one of the most important tasks

Step 1: Using the caulking supplied run a bead of caulking along all of the roof seams.

Step 2: Adhere the 4" webseal roof tape over the seam with the building seams centered under the tape.

Step 3: Smooth the tape out with your hand to ensure it is secure.

Step 4: Apply with a paint brush the silicone roof sealant over the tape to seal in the seams of the tape. Allow to dry.

NOTE: 4" WEBSEAL ROOF TAPE AND SILICONE ROOF SEALANT ARE FOR THE ROOF SEAMS ONLY.

