11’ 6” Round Building
Assembly Instructions

11’ 6” Round Building Hardware List

1.	Pro Rib Brite White 36” Wide X 68” Long	(Siding Steel)	11
2.	Top Wall Wheel Ring		3
3.	Base Ring		3
4.	1 ½” X 68” Aluminum Tubes	(Wall Support Tubes)	9
5.	#10-32 X 3/8” Slotted Indented Hex Washer Head	(Siding Screws & Wheel Screws)	260
6.	#10-32 X 3/8” Phillips Pan Head Machine Screws SS	(Siding Lap Joints)	33
7.	#10-32 X ½” Phillips Pan Head Machine Screws SS	(Siding to Door Frame)	6
8.	#10-32 Nylon Lock Nuts SS	(Where Needed)	39
9.	#10-24 X 1” Phillips Wafer Head Self Drilling Screw	(Wall Tubes to Ring Sections)	36
10.	¼” -20 X ½” Hex Bolt SS	(Guide Bracket Bolts)	18
11.	¼ “ -20 X 1 ½” Hex Bolt SS	(Door Frame to Ring Section)	4
12.	¼” -20 Nylon Lock Nuts		4
13.	Caulking	(Under Base Ring & Door)	3
14.	36 X 60 Steel Door & Alum. Frame W/Dead Bolt Lock Set		1
15.	Inside Enclosure Foam	(Siding Top & Bottom)	22
16.	Rotation Wheels in SS Bracket	(Dome Rotation Wheels)	36
17.	Guide Bracket W/Roller	(Dome Rotation Guide)	9
18.	Anchor Bolts	(Wood Lag or Cement)	27

2 & 16

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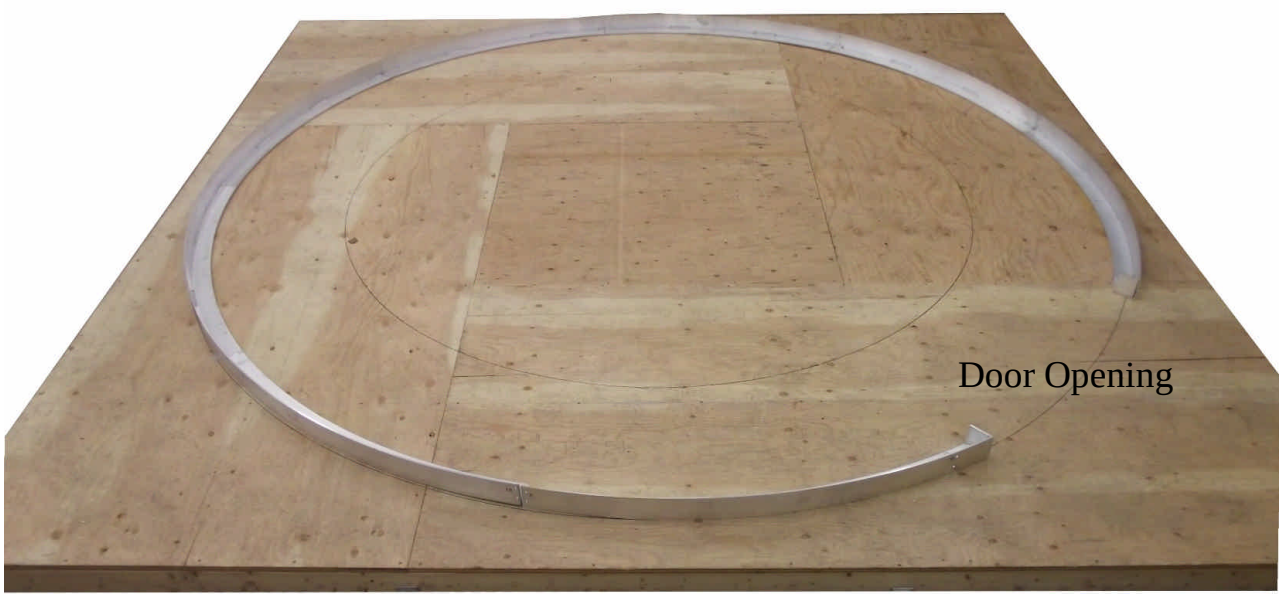
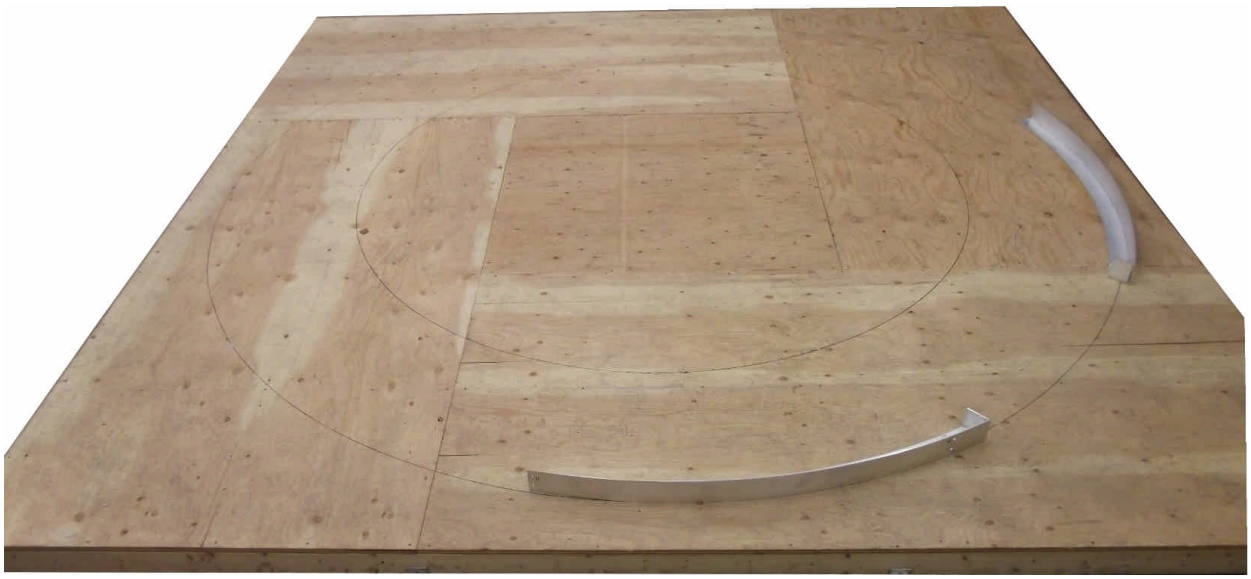
Wood Lag Bolt 5/16 X 3”

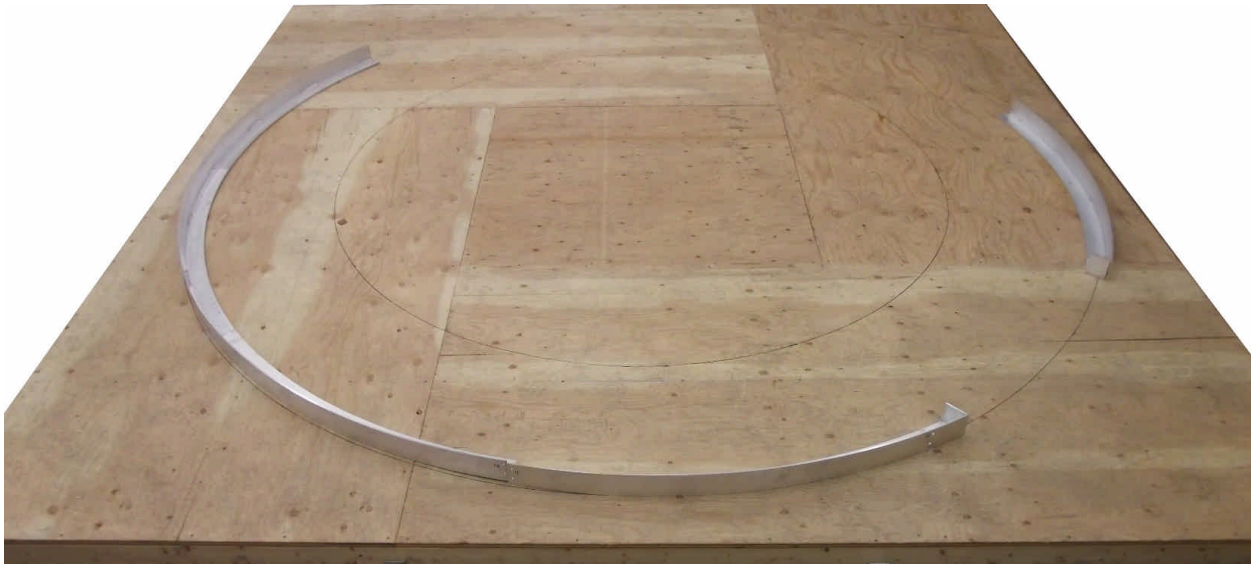
Concrete 5/16 X 3”



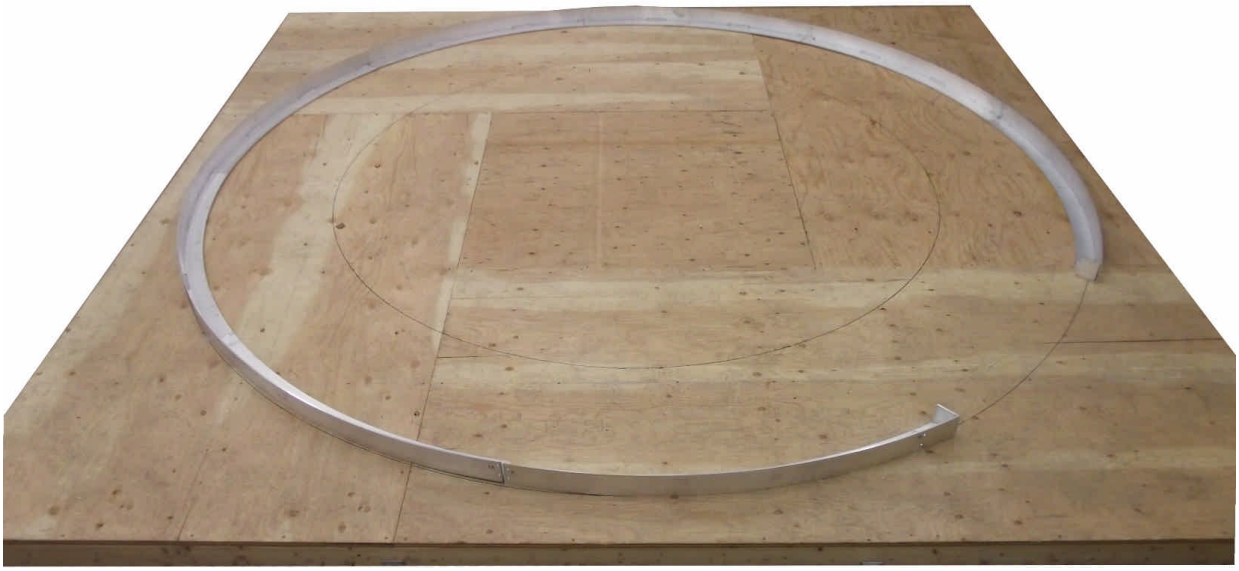
Start by laying out the base ring sections, (there are 4) place the door opening where you want it. If on concrete drill 5/16” anchor bolt holes about 4” deep. When you have all the holes drilled clean off the area.



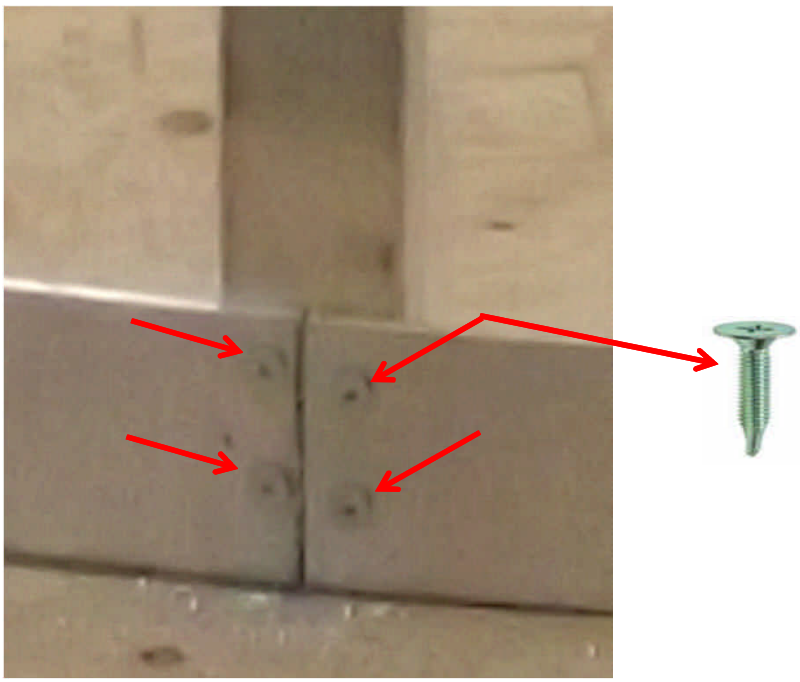
Starting with one of the 2 door section of base ring, put several beads of caulking on the bottom of the base ring and then very carefully put it back in place and then fasten it down with the anchor bolts. Than do the other door section



Now do the another sections the same way you did the first sections. After doing all 4 base ring sections it should look like the bottom photo.



Once you have the base ring anchored in place attach the 3 - 1 ½” X 2” wall tubes to the base ring. It should look like the photo above. To attach the tubes to the base ring drill 2- 5/16” holes one on top the other on each side of the joint where each tube goes, then use 2 - #10-24 x 1“ Phillips Wafer Head Self Drilling Screws in each of the 4 holes in the tube as pictured below. Use a level to plumb each tube as you go.



Now install the other 6 - 1 ½” X 1 ½” aluminum tubes, they should go centered on the remaining weld joints on the base ring sections, and 1 on each side of the door opening about 5” back from each side of the opening. Fasten in place by drill 2 – 5/16” hole one on top the other centered to the tube location, use 2 #10-24 x 1“ Phillips Wafer Head Self Drilling Screws. It should look like the picture below.

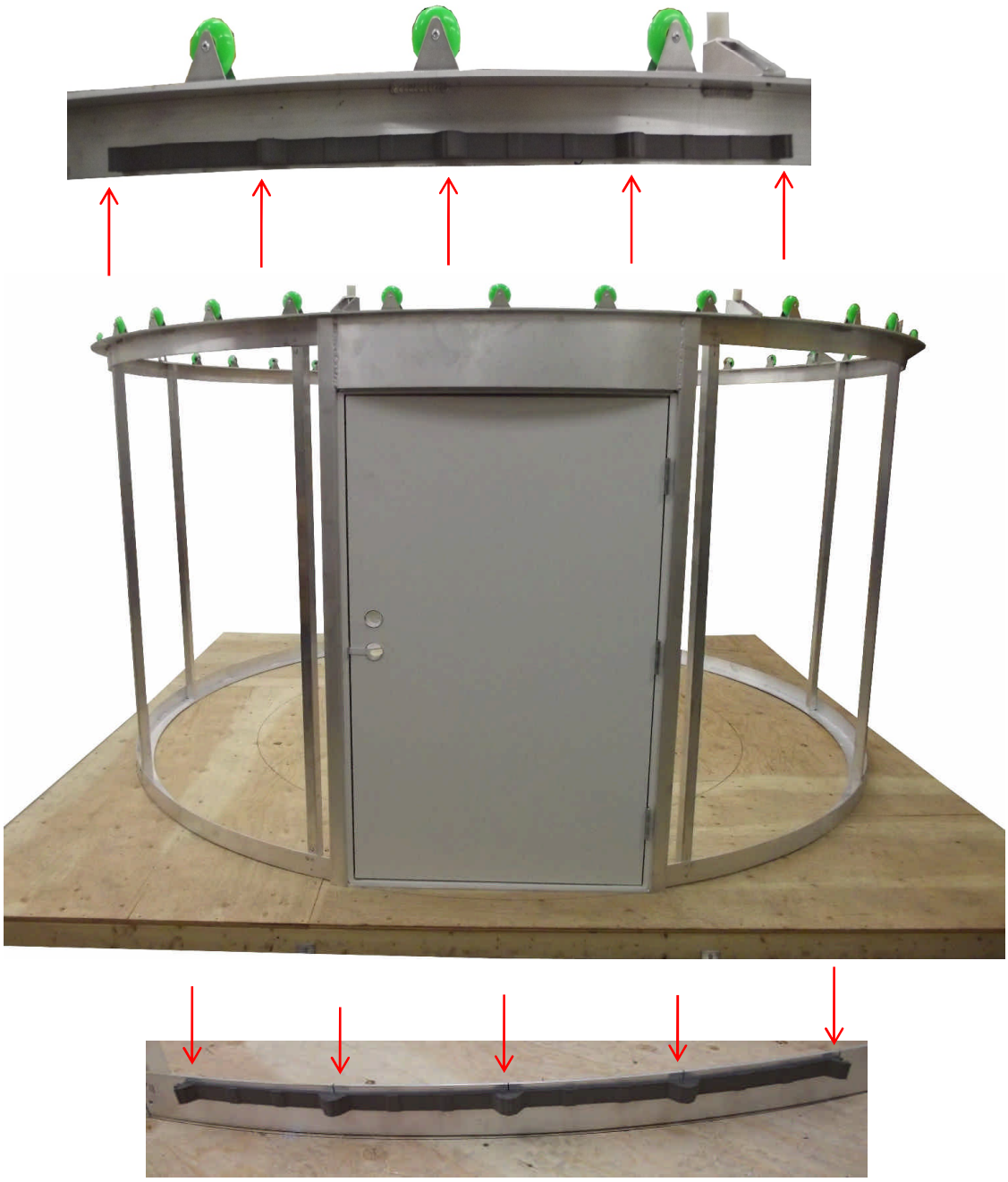
Now install the door frame back in place,

Now place a section of the top wheel ring over the door, each end of the wheel ring section is fastened to the center of each of the 1 ½” X 2” tubes. Fasten them the same way you fastened the tubes to the base ring, the tubes should be spaced evenly top and bottom. Now drill a ¼” hole in the center of the door frame at the top and install a ¼” X 1” hex bolt and nut. This is to hold the door in place for now. Now add another section and fasten it in place also

Now bolt the 3rd top wheel ring sections on to the tubes the same way you bolted the first 2 wheel ring section to the tubes. The tubes should be spaced evenly top and bottom. It should now look like the photo above or below.

Now remove the ¼” bolt installed at the top of the door earlier, Now move the door assembly away from the frame work on the left or right side, Now take a piece of siding and locate the wide lip side of the sheet, now place the wide lip side of the siding behind the lip of the door frame and push the door frame back in place keeping the rib of the siding tight to the lip of the door frame.

Now mark where the center of the high ribs on the siding are, on to the top and bottom ring sections so you know where to place the enclosure foam.



. (Red Arrows)

Now remove the piece of siding and install a section of the enclosure foam flush with the top of the base ring and flush with the bottom edge of the top ring sections, keeping the rib on the form centered to the mark you put on the ring section earlier.

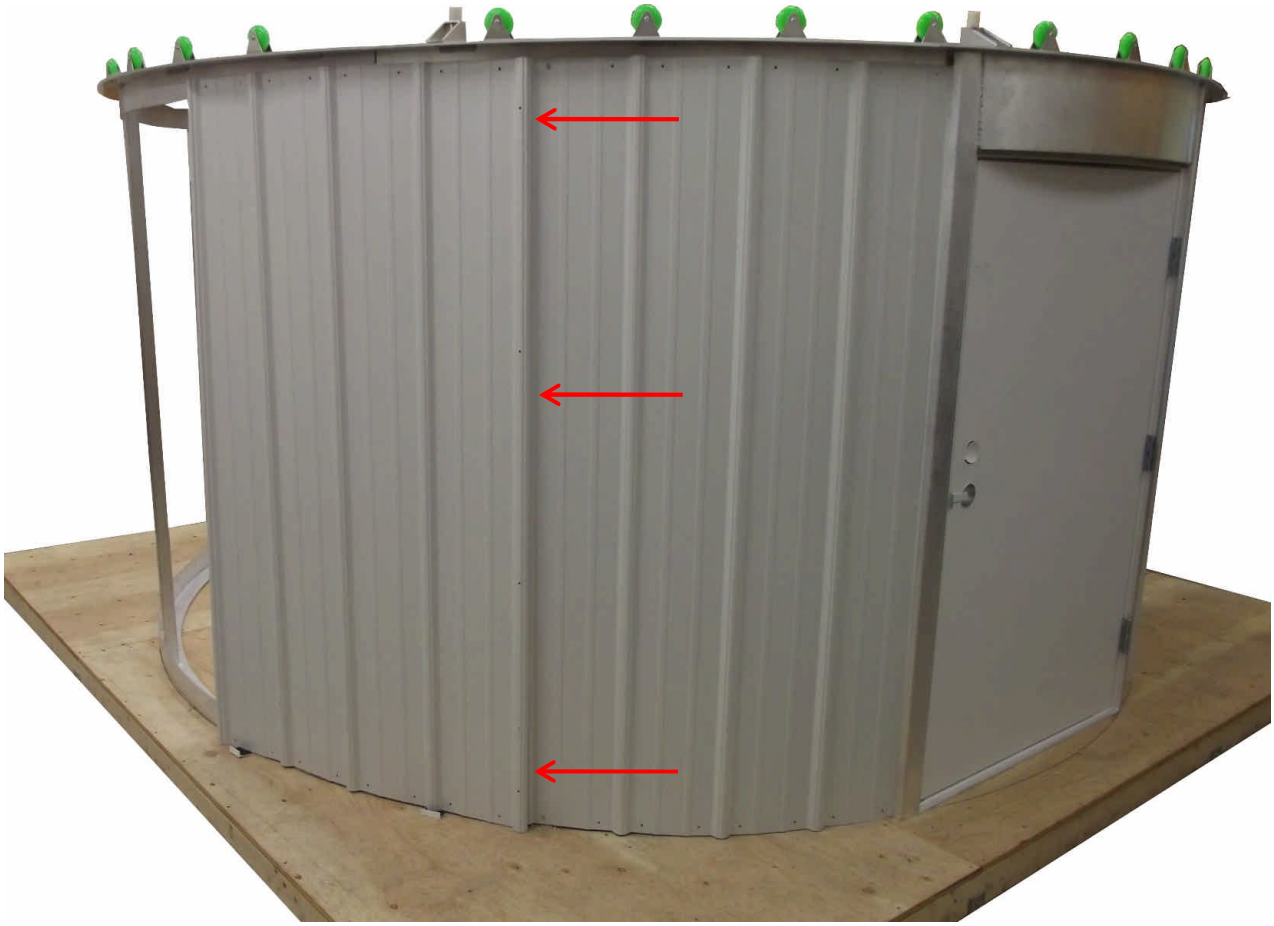
This enclosure foam is to help keep bugs and dust out.

Now replace the piece of siding, space the sheet of siding about ½’ off your deck or concrete pad, and drill the holes in the siding through the base ring and top ring using an 11/64th” drill bit,

Fasten in place using the 10-32 X 3/8 Hex Head Thread Cutting Screws,

Use a 5/16” drive socket in a ¼” impact driver or a drill to install these screws.

If the sheets of siding are not drilled the pattern is 1” down from the top and 1” up from the bottom and 1”on each side of the high ribs

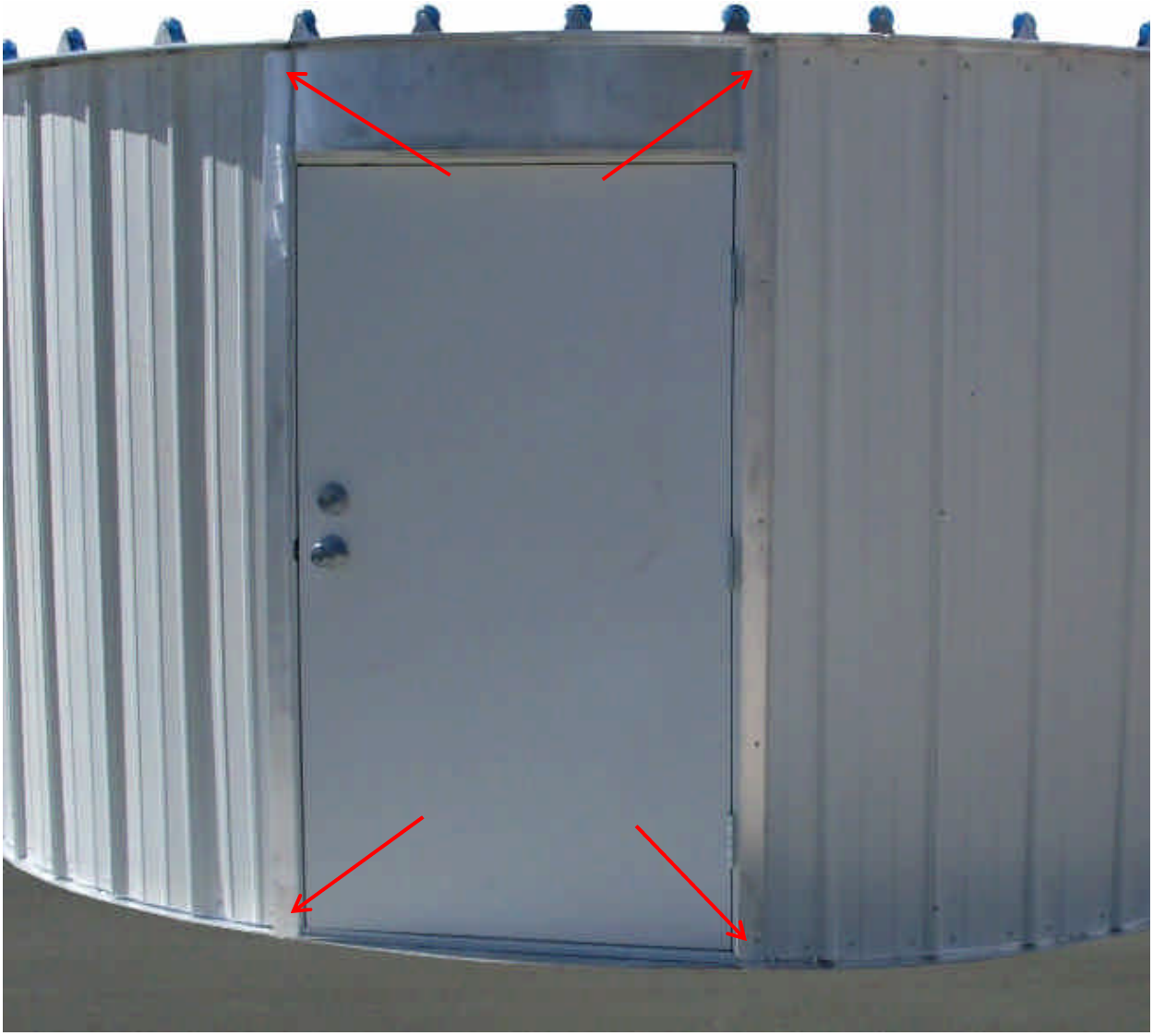


Now place the second sheet of siding in place. When the sheet is in place mark the center of the high rib on the base and top ring like you did the first sheet. Remove the sheet and place the enclosure foam in place top and bottom.

Now replace the sheet of siding making sure the narrow lip of the first sheet goes over the wide lip of the second sheet. Make sure the lap is tight all along the length of the siding, there should not be any gaps on the outside of the lap. You should drill the 3 holes in the lap of the siding using the 11/32nd drill and fasten in place with 3- 10-32 X 3/8 Hex Head Screws, Do the 3rd & 4th sheets the same way.

Now start on the other side of the door doing the same pattern as you have so far, starting with the wide lip of the sheet under the door frame. Do the same pattern to the center of the back of the building.

With all the full sheets of siding in place there will be section in the back the you will cover with the part sheet of siding. Lap one side of the siding the right way and the other side will tuck under the other side, and just screw the second sheet in place the same way you have be fastening the sheet so far.



Now go back and square the door frame assembly and bolt in place by drilling 4 – ¼” holes 1 in each corner of the door Frame 2” down from the top and 1” in from the side do the same on the bottom of the door assembly.

You should now be ready to install the Dome.