



MODEL:407817C

W12.2xL24xH5.3M

INSTALLATION INSTRUCTIONS



Installation Instructions

Congratulations on your purchase of our instant shelter. This unit is a combination of excellent manufacturing and design. It is comprised of a rigid frame and a durable cover. For easy assembly, we have marked all the parts with codes, with proper installation, use and maintenance, your unit will provide many years of good and suitable service.

Tools Required

The following hand tool will be needed for proper installation of your new building:

- 12mm, 14mm, and 17mm open end wrenches
- 12mm, 14mm, 17mm sockets or box wrenches
- Large flat head screwdriver
- 2lb maul or sledgehammer
- 4ft level
- 14ft step ladder
- Stake and string for aligning base plates and frame

Assembly Procedure

1. Prepare location and place all unit boxes near location sight. Perform an inventory check before beginning, to be certain all components are available for installation.
2. Secure base plate flanges to base surface.
3. Assemble every group of the arch.
4. Begin frame assembly with front end arch, first interior arch, purlins, etc.
5. Add to assemble other groups of arches.
6. Install main cover over frame.
7. Install end cover over end panels.

Read all the detailed instructions and notices in the following assembly instructions!

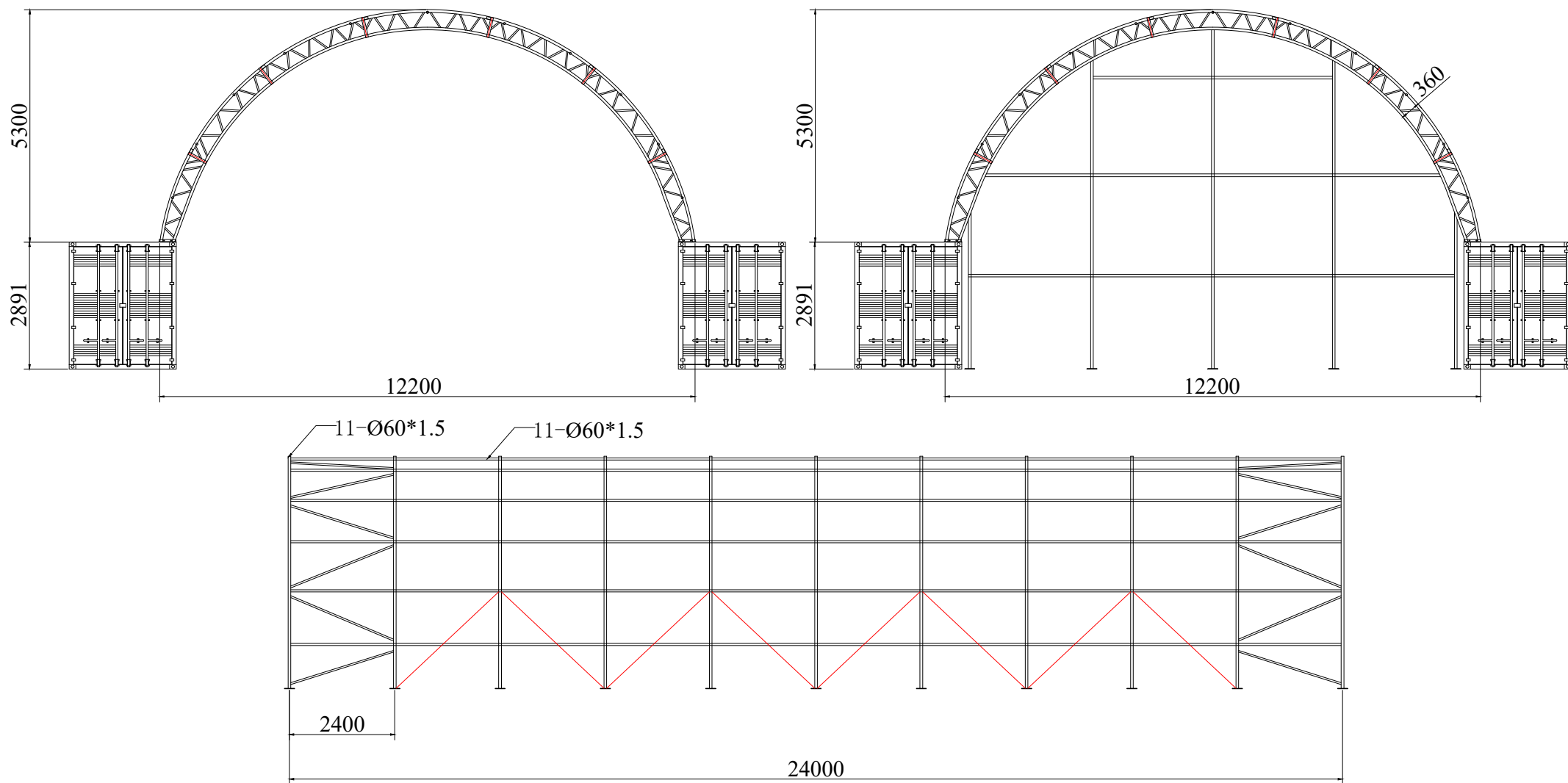


Maintenance and Care

Annually or more often, the unit should be completely inspected internally and externally to make certain the unit remains properly installed and secured. Particular attention should be paid to:

- Hardware - check all carriage bolts and hardware connectors to be certain they are in place and tightened.
- Weather trends - The unit will strain against the base plate flange under windy conditions, pegs hardware, connection to frame members should be maintained tight and depth of pegs should be checked to be certain they remain deeply and firmly set.
- Snow Accumulation - All snow accumulation on the main cover should be removed as soon as possible. Tap the main cover from the inside with a broom or soft brush to clear cover.
- Main Cover Lacing - The poly rope that secures the main cover to the bottom rail of the frame assembly should be checked, and adjusted as needed. The tension on the main cover should be uniform from end and side to side. Rope ends must be tied off onto the frame members at the ends on each side.
- Cleaning - Cover and doors can be cleaned with a mixture of light detergent and water. A soft bristle brush with the mixture can be used to loosen any hard dirt, mould, or build up on the cover. After cleansing, the cover should be rinsed thoroughly to avoid any chemical reaction from residual detergent. Allowing dirt and debris to sit on cover over an extended time will damage cover irreparably.
- Severe Weather - in preparation for inclement weather, completely secure the door of your buildings portable building.

Part Code	Description	Quantity	Located in box
1	Top roof truss	11	2
2	Roof truss	22	3
3	Shoulder truss	22	2
4	Sidewall truss	22	1
5	Horizontal tube	110	1
6	Brace tube	24	2
6A	Clips for #6	56	1
7L	Base plate for left corner	2	2
7R	Base plate for right corner	2	2
	Ratchet on base plate	22	2
8	Base plate for sides	18	2
9	Coner ratchets	4	1
10	Tensioning tube for roof cover	24+2	1
11	Hexagon bolt M14*30	275	1
12	Carriage bolt M10*85	132	1
13	Hexagon bolt M16*40	94	1
14	Hexagon bolt M10*30	62	1
15	Hexagon bolt M10*85	30	1
15A	Hexagon bolt M10*75	40	1
16	Plasic cap	6	1
17	Roof cover	1	3
18	Cover for back panel	1	3
19	Rope for cover installation	8	1
20	Band for ratchet	22	1
21	Anti-wear sticker	66+66	1
22	Lower vertical tube for back panel	3	1
23	Middle vertical tube for back panel	3	1
24	Middle vertical tube for middle of back panel	3	1
25	Upper vertical tube for middle of back panel	1	1
25A	Upper vertical tube for sides of back panel	2	1
26	Vertical tube for sides of back panel	2	2
27	Middle rail for back panel	6	2
28	Upper rail for sides of back panel	2	2
29	Lower rail for sides of back panel	2	2
30	Base plate for back panel	3	2
31	Base plate for sides of back panel	2	2
32	Tenisoning tube for back panel	5+1	1
33	Stake peg	10	1
34	Ground bolts	10	1
35	Steelwire for sides	16	1
36	Turn buckle kit	16+32	1
37	L shape metal for steelwire installation	8	1
38	Plastic tube	14+2	2
39	Tie down ratchet for plastic tube/Band for tie down	36	1



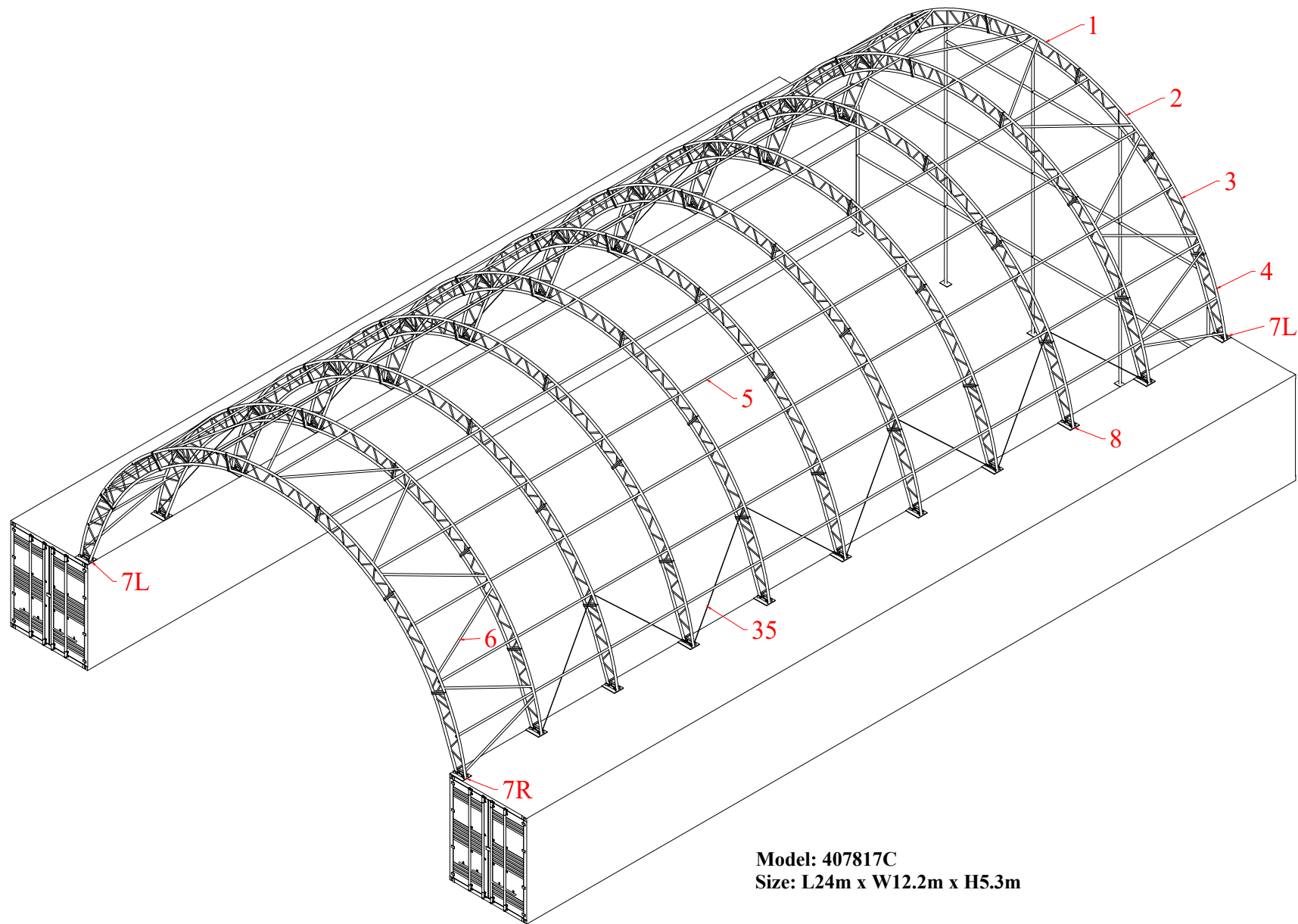
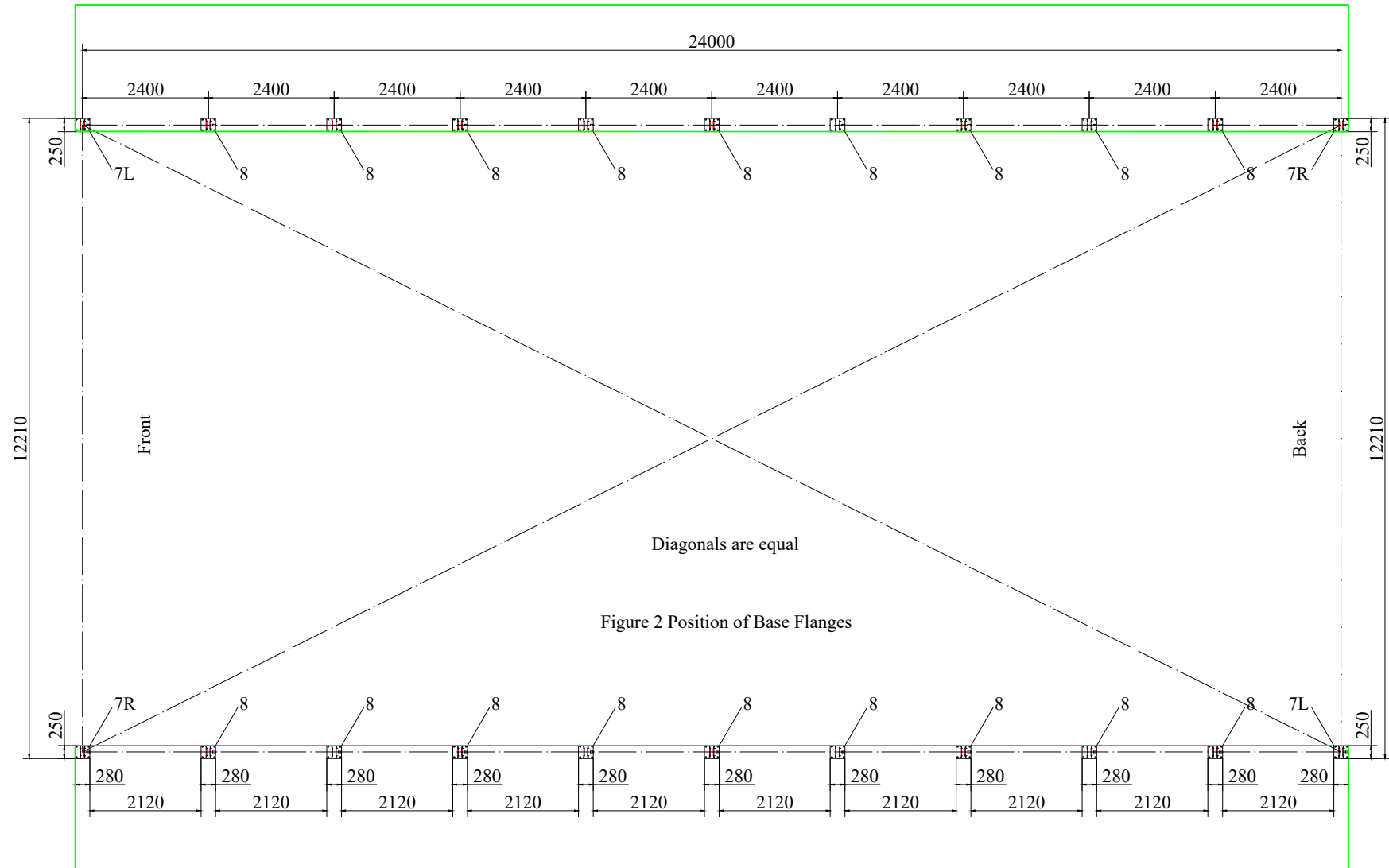


Figure 1 Sketch of Trussed Frame Shelter Size: L24 x W12.2 x H5.3m Sit the building boxes in the chosen location. Remove all the components from packaging to ensure all components are pre sent by checking with the Part List.

STEP 1 - BASE PLATE LAYOUT & SECURING

1. According to the dimensions marked in figure 2, adjust the distance between the containers, and fix the base plate to the top of the container, with the center distance between the two adjacent sets of legs being 2.4m.
2. Weld the Base Plates to the container tops (the welding can through the 4 holes on each base plate)



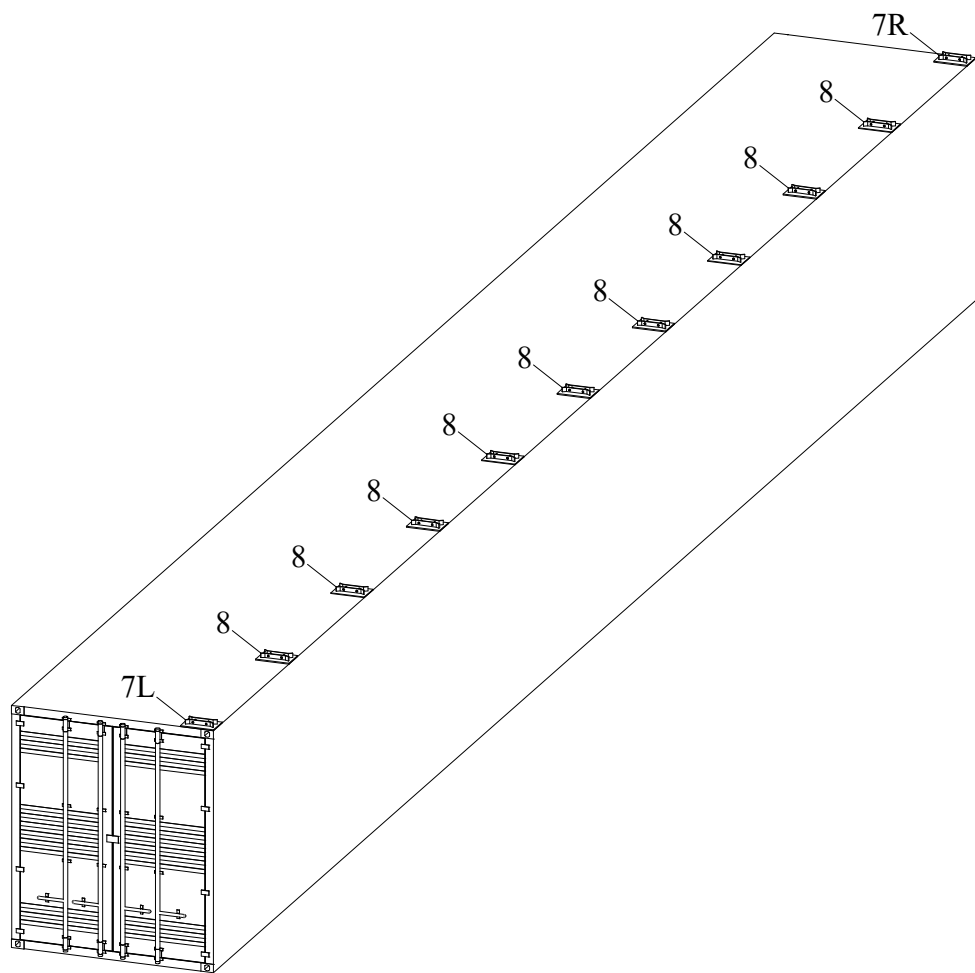
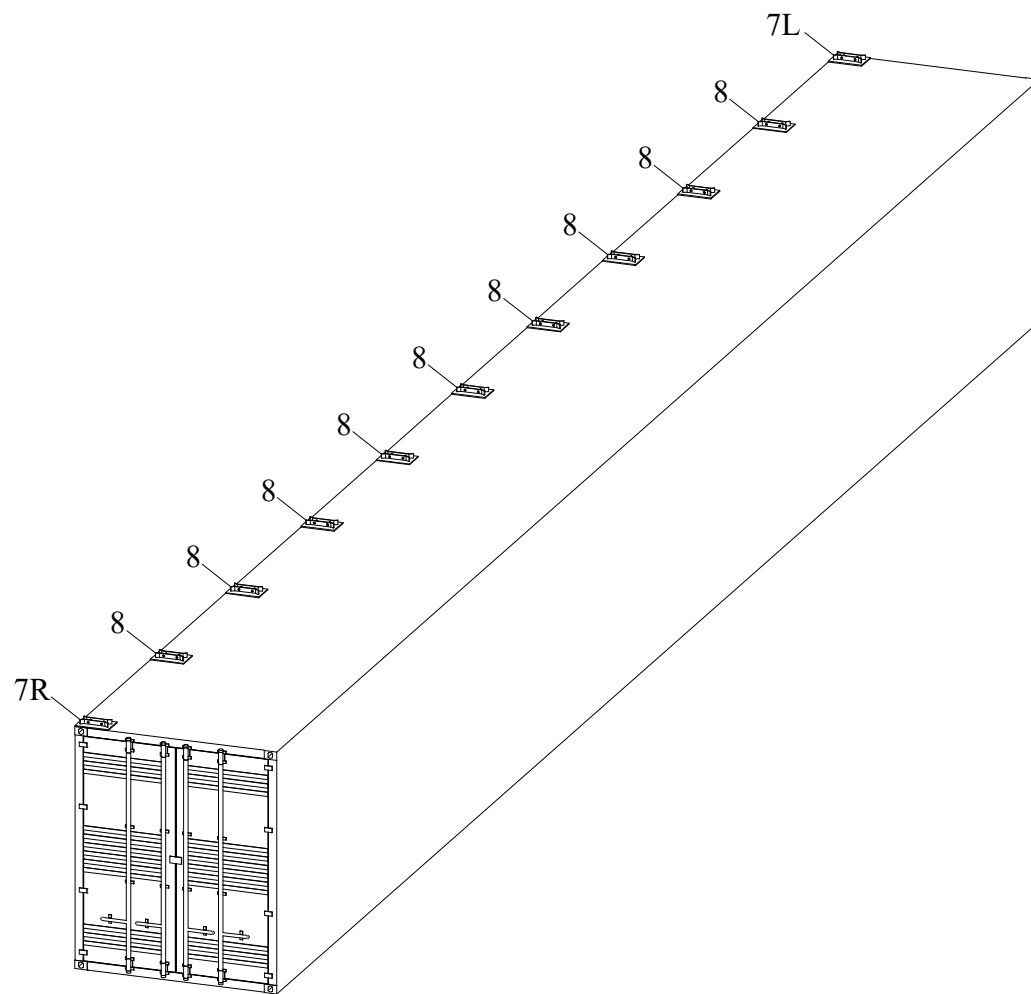


FIGURE.3:BASE PLATE FOUNDATION 3D VIEW



STEP #2 --ARCH ASSEMBLY

- 1.Assemble ALL the arches including the base plates, and LAY them on the ground first. DONOT erect them until you finish all the arches assembly.
- 2.Assemble parts 1/2/3/4 and bolt them together using bolt part #11.

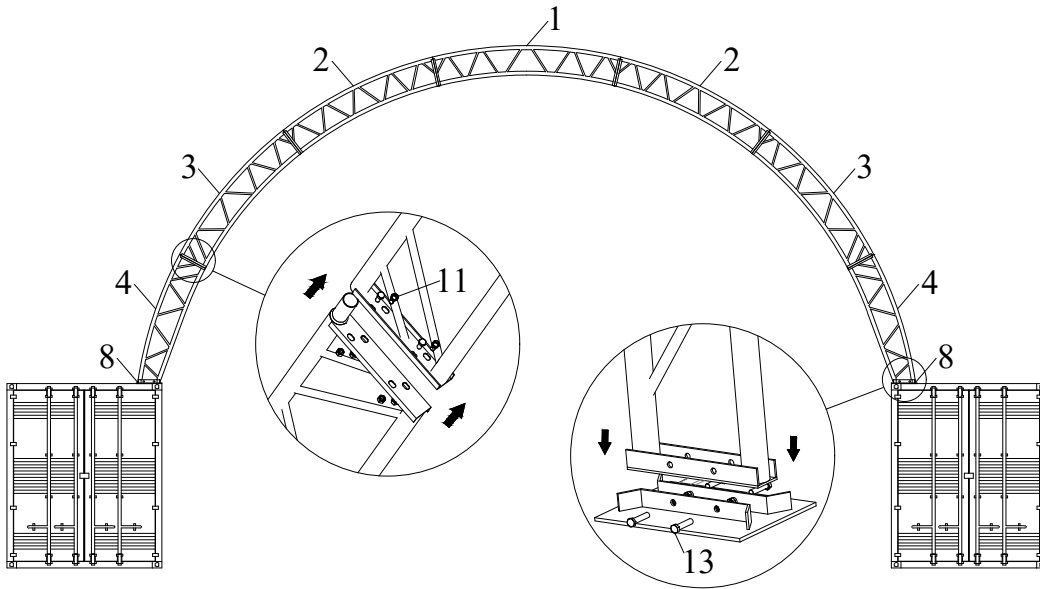


FIGURE.4 INTERIOR ARCH

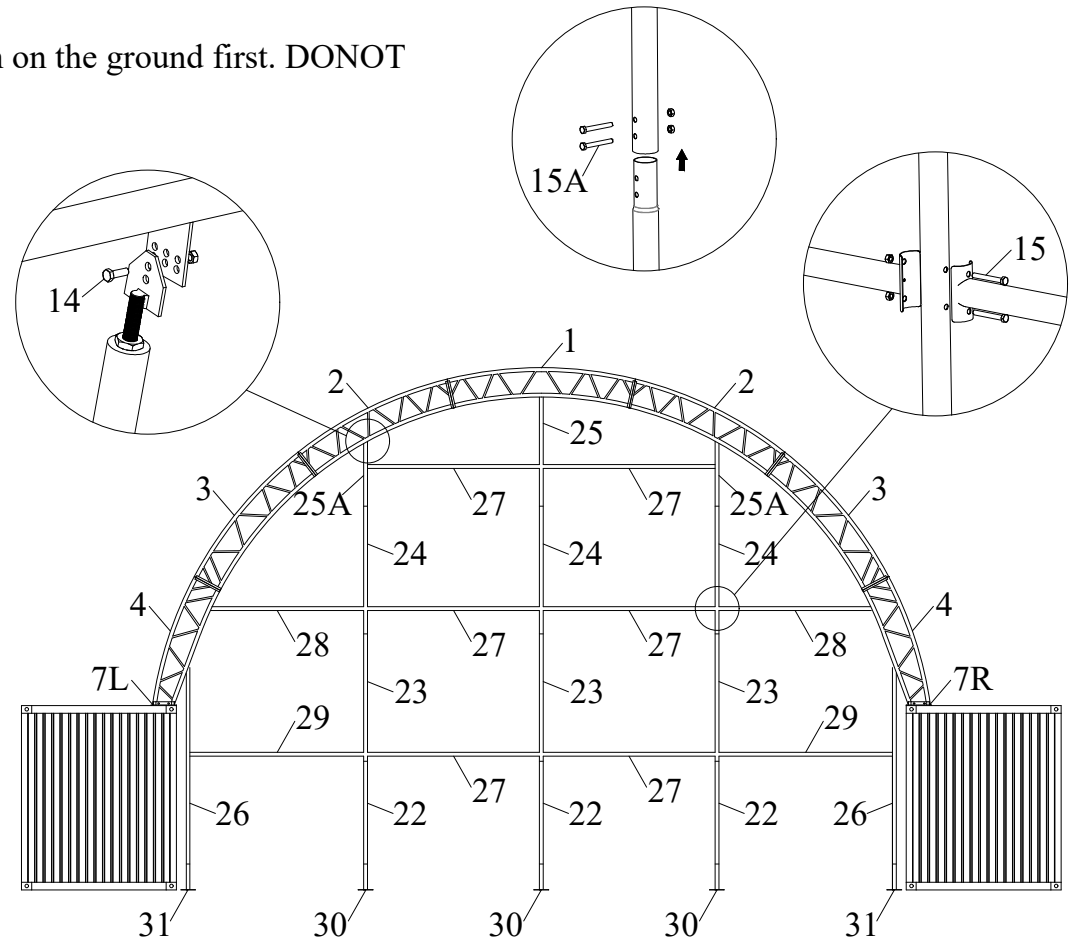


FIGURE.5 RAIL AND BEAM FOR BACK PANEL

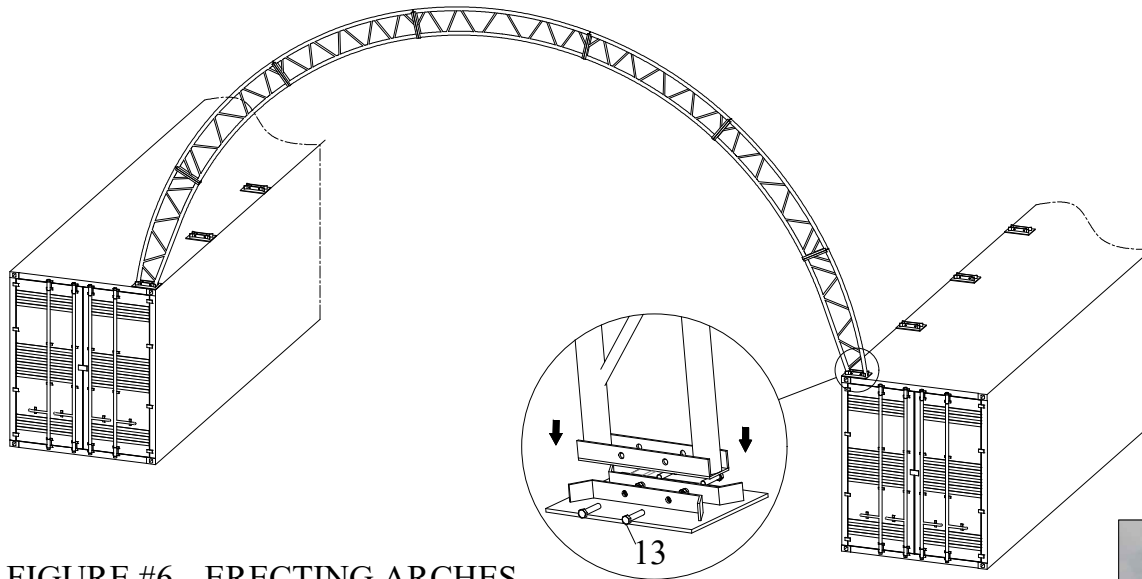
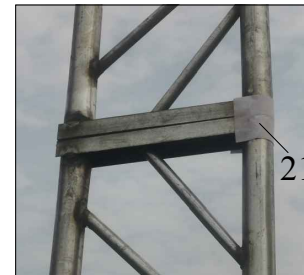


FIGURE #6 --ERECTING ARCHES

STEP 3 - FRAME ASSEMBLY Continued
 1. Secure each portal into the spigots of the base plates. - first secure one side, then ease in the other side to fit onto the spigot of the opposite side.

2. Bolt in position using part #13.



APPLYING ANTI-WEAR PAD
 Installation tip: it is critical to monitor and maintain the anti wear Pads overtime as it is much more cost effective to replace anti wear Pads than an entire tarp.

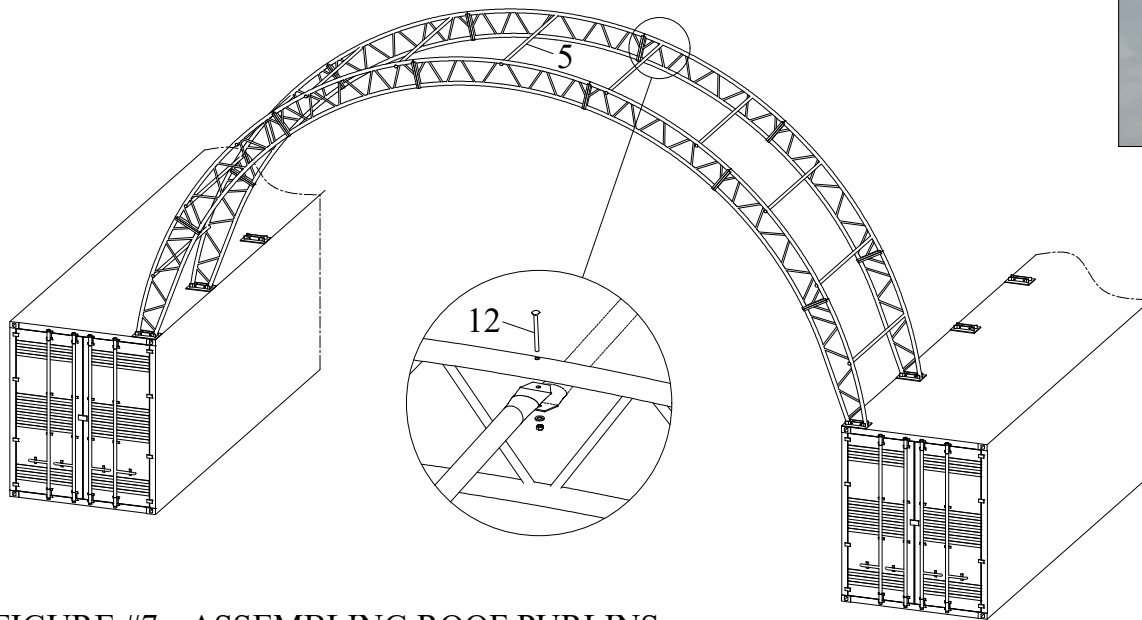


FIGURE #7 --ASSEMBLING ROOF PURLINS

STEP 4 Immediately after erecting the front arch, erect the 2nd arch in the same way. Then connect the two erected arches using Roof Purlin Tubes as figure 7 shows. Secure the Roof Purlin tubes into place using carriage bolts and nuts (Part #12).

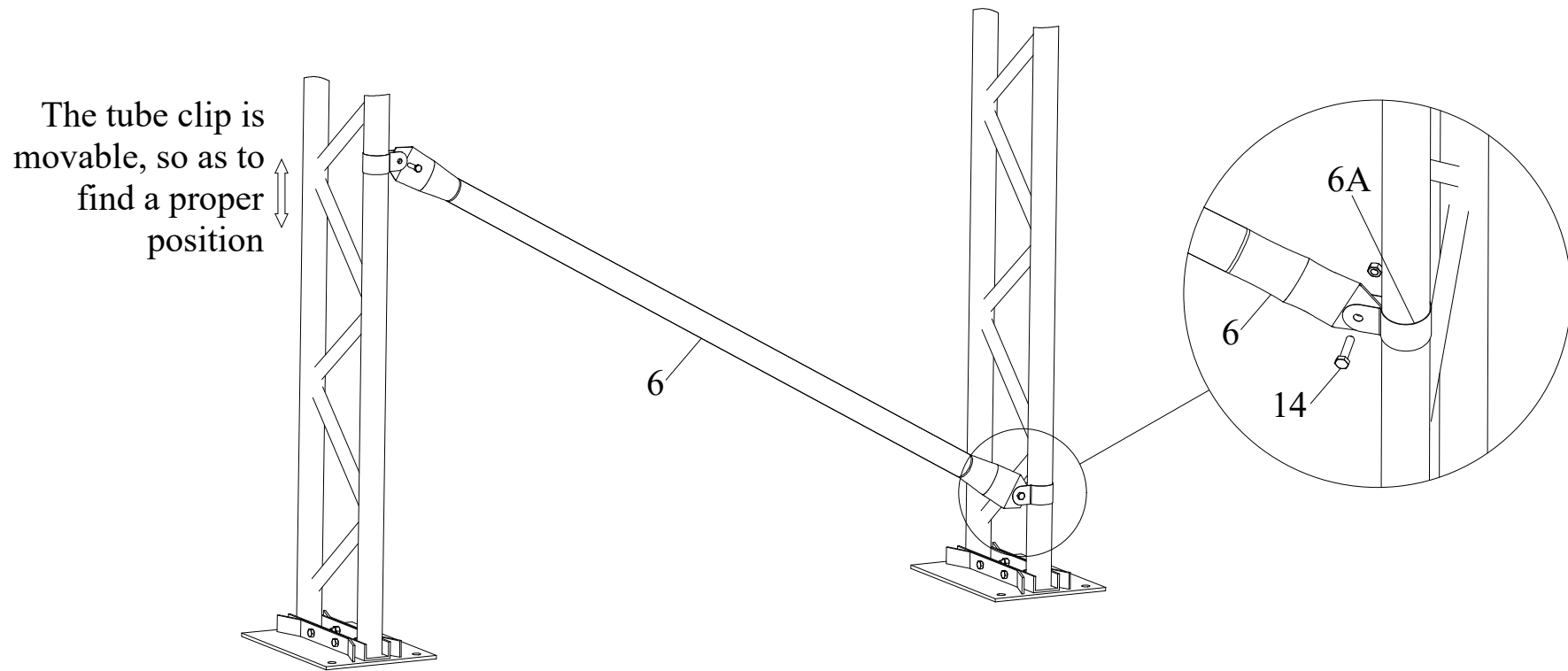


Figure 8: Wind Brace Supports(Part 6)

Next install the Wind Brace supports that connect the Front Arch to the first Interior Arch. The Wind Braces give the arch assemblies strength as a unit. Use Bolt M10X30 (Part #14) at the end of each Wind Brace Support to secure.

Continue to install other Arches Assemblies in the same manner. Overlap pinched ends of Roof Purlin onto same carriage bolts inside frame assembly.

Next check entire frame assembly for square and plumb. Adjust Wind Braces and Roof Purlin as necessary to bring frame into plumb. Next tighten frame bolts adequately.

STEP 5 - COVER INSTALLATION

When ready to install Roof Cover, unpack cover and lay parallel to building frame on one side.

Cover must be pulled over top of frame assembly without being snagged or stressed on any frame members. Use several ropes over top of frame as shown in picture below. Having another person inside frame on a ladder to assist in getting Roof Cover over frame will insure the cover will go on without any damage.

NOTE: Ensure the cover is the right way around and have an even amount of cover overhanging at both ends of the frame. Sleeves are on the underside and are on the sides of the cover only.

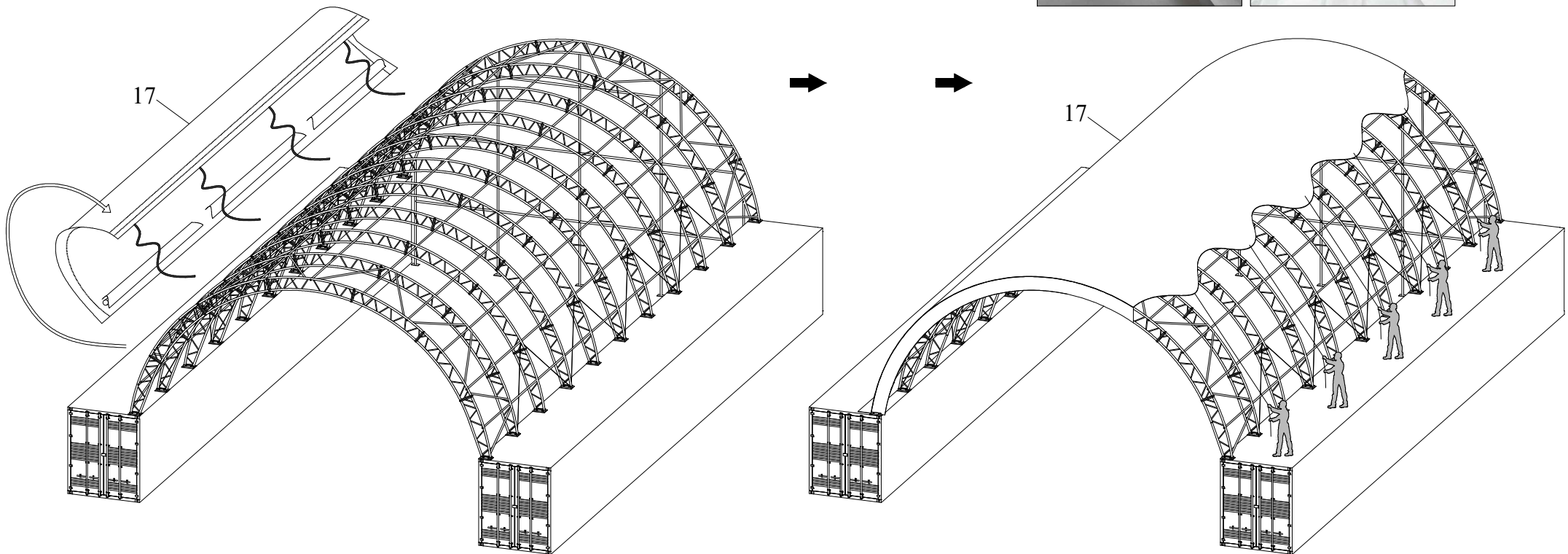
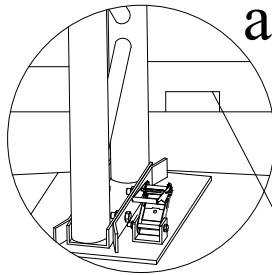
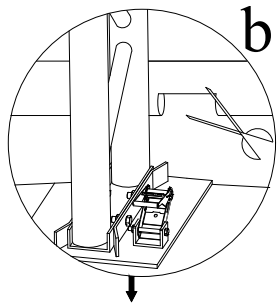


Figure 9 Pull the Roof Cover over the frame evenly

STEP 5-1 --TENSION COVER ON FRAME FROM SIDE-TO-SIDE

When Roof Cover is over top of Frame Assembly, insert Cover Tensioning Tubes into pockets along both sides of Roof Cover. Center Roof Cover over Frame assembly both side to side and front to back. Align one side of Roof Cover evenly front to back. Add Band for Tie Down Ratchet at each point along the cover opening, as shown. Put Band for Tie Down Ratchets over Cover Tensioning Tubes at each Base Plate along one side. Bands do not attach to Tensioning Tubes, but loop around and secure at both ends on ratchet. Next take up slack in tie bands by ratcheting the mechanisms, tightening cover. Evenly adjust ratchets on both sides of roof cover to take wrinkles out of roof cover. DO NOT fully tighten cover yet. Leave adequate slack so that cover can also be adjusted front to back in next step.

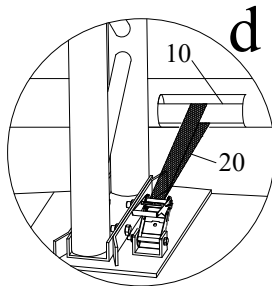
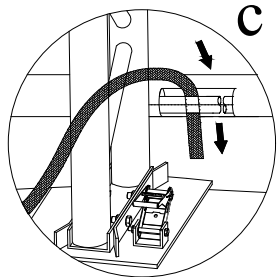
Then make the cuts using
forfex along the outlines.



Before inserting the cover tensioning tube(Part #10) into pocket of roof cover, you need to make cuts for band of Ratchet on the cover first. Firstly please draw the outline of the cuts according to the position of Ratchet. The position of cuts should be right upon the ratchets.

draw the outline of cuts

First circle the band for tie down ratchet(Part #20) around the tensioning tube through the cuts on the pocket of the roof cover.



Then put the bands through the reel of the ratchet, and tension the band by ratchet.

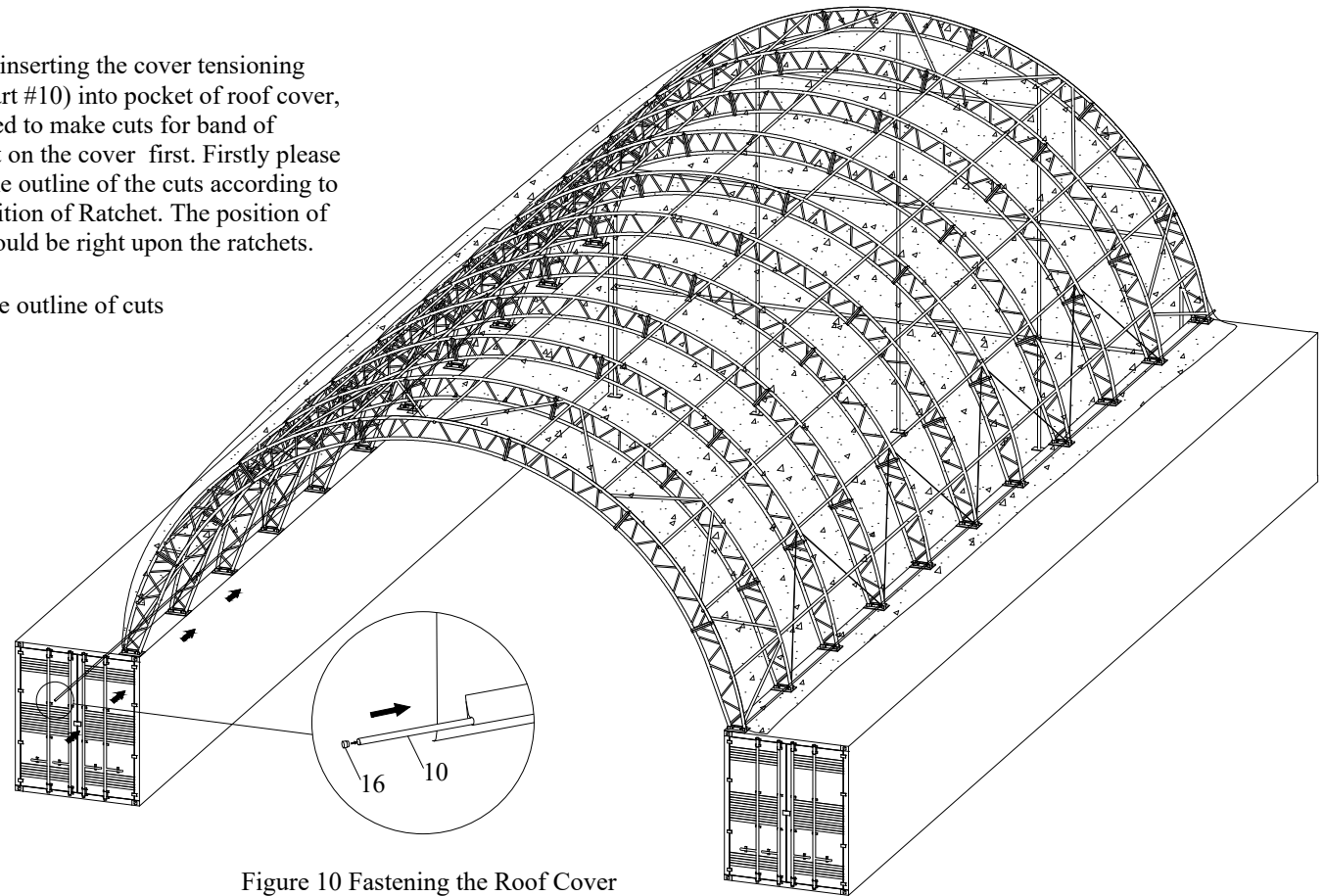
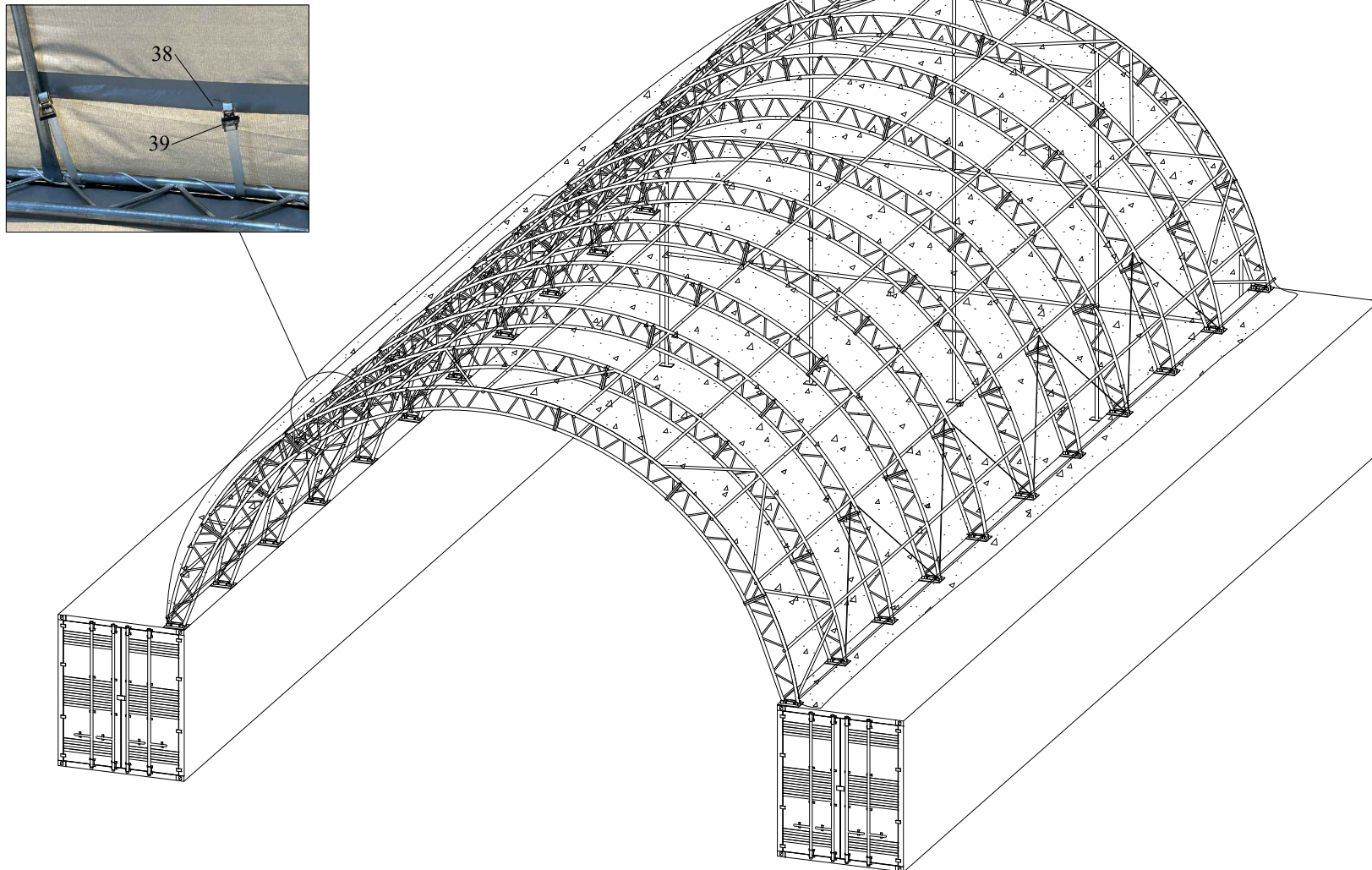


Figure 10 Fastening the Roof Cover

Step #5-2 –TIGHTEN ROOF COVER ON FRAME FRONT TO BACK

The roof cover is tensioned from front to back by ratchets. First insert the plastic flexible tubings(part #38) into the pockets along the front and back ends of roof cover. There are 18 of ratchets(part #39) for each end(total36), use scissors/knife to make cuts at proper position of the pocket like last step "STEP 5-1". Then use the Rachets(part #39) and straps to tension the cover.

After the roof cover is tensioned well front to back, go back and re-adjust the Ratchet along the sidewall edges of the Roof Cover. At this point, the main cover can be pulled taut enough to take all excess material and wrinkles out of cover. It will be necessary to repeat this step 2-3 weeks after unit assembly is complete and roof over has a chance to stretch out over the frame completely.



Step #6 --ASSEMBLE REAR COVER

Secure the Front and Back Cover to the arch panel by using the ropes provided.

Please make sure to lace the rope through EACH eyelet, don't skip any eyelet. So the stress could be shared evenly on each eyelet and protect the cover.

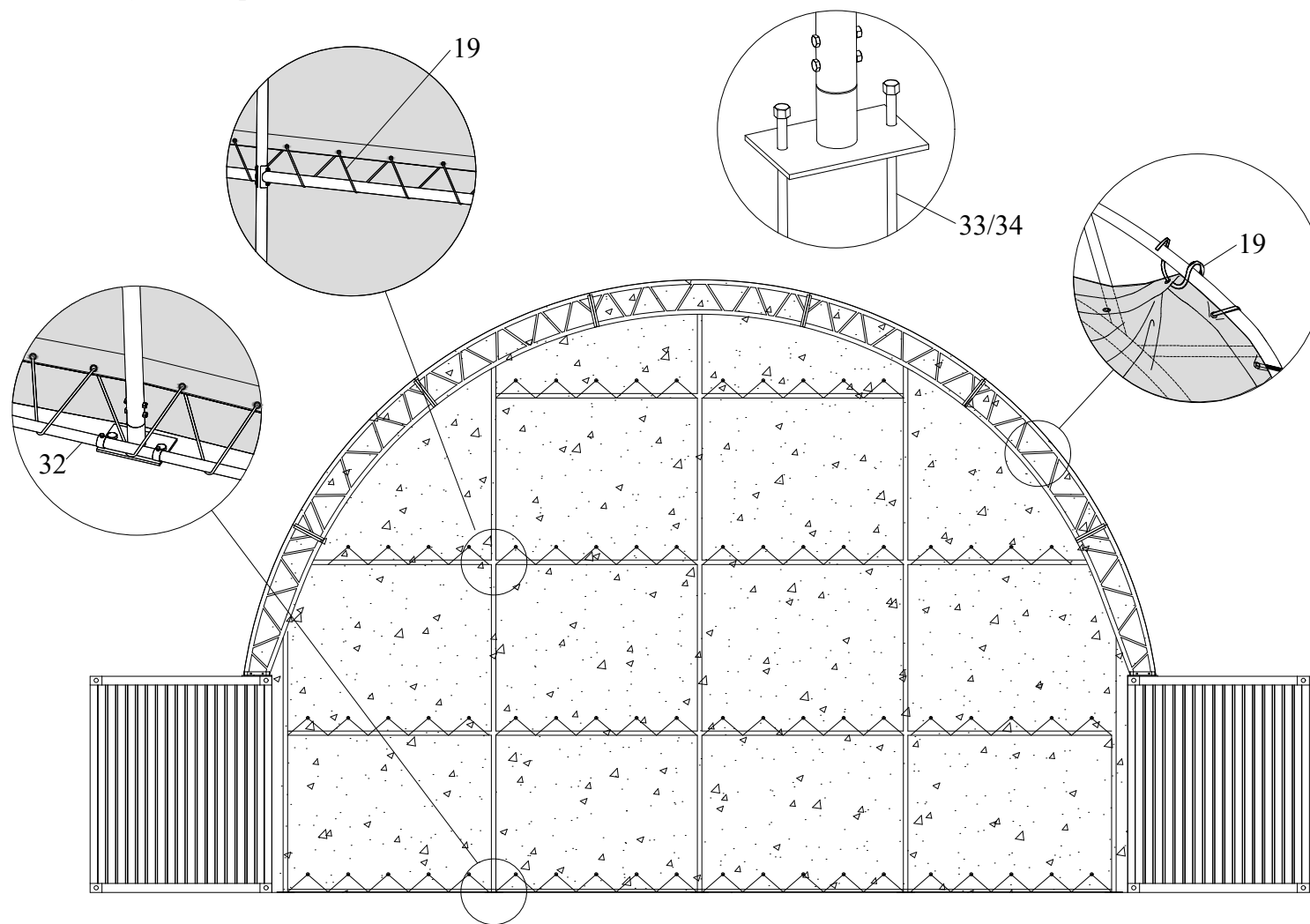


FIGURE 11 Installation of Back Panel Cover

STEP 7-COVER INSTALLATION Continued

1. Lace cover to end arches through eyelets then fully tension.
2. Fully tension tie down evenly on each side.
3. Tension the corners of roof cover by the rachets at 4 corners(part #9).
4. Double check all knots are secure and cover is well tensioned and stretched onto frame.

NOTE: The cover shall always been well tensioned! If there is any damage to the straps and ropes, they should be repaired/replaced ASAP, to prevent any further damage to cover.

