

SHELTER ASSEMBLY MANUAL

Model # 306415R

Winch Door

Size: W9.15m x L19.52m x H4.5m

4ft Arch spacing



SPECIFICATION

Width: 9.15m Length: 19.52m Height: 4.5m

IMPORTANT-----READ MANUAL FIRST

Improper site preparation, Assembly and Maintenance may invalidate warranty and cause unnecessary and costly mistake. If you have any questions contact your local dealer.

For User Friendly assembly we have identified each individual component with the part code as indicated in the parts list. Please refer to the part code numbers and drawing to ensure problem free assembly.

It's necessary to tighten the roof fabric enough to avoid "hammocks" on the roof and also re-tighten once or twice again after a few months of use. This is important when assembly in cold weather (autumn and winter) because the fabric is stiff then and when we got the sun and warm weather afterwards it will make the fabric "slack" again and need to be re-tighten before next winter.

It's the owners responsibility to take of snow immediately if not slide off by itself.

READ ALL INSTRUCTIONS BEFORE ASSEMBLY

1. Keep work area clean. Cluttered areas invite injuries. Do not set up near snow drifts, in slippery places, in high winds, or wet location.
2. Keep children away. All children should be kept away from the work area.
3. Don't over reach. Keep proper footing and balance at all times.
4. Do not assemble in under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not assemble.
5. Be aware of possible windy conditions; fasten the bases in concrete if these conditions are likely to occur. Remove the cover during hurricane.
6. Be careful with power and heat sources. Do not keep heat sources near the tarpaulin. Do not expose to open flame.
7. Be aware of personal safety during assembly and use. Be careful not to pinch fingers with clips and tubes when assembling: when using makes sure there is adequate ventilation for exhaust and other dangerous fumes.

THINK SAFETY, EVERY DAY!

Part List ---4ft Arch spacing		
Parts Code	Description	Qty
1	Roof Bent Tube	17
2	Middle Bent Tube	30
2A	Middle Bent Tube for front and back door	4
3	Lower Bent Tube	30
3A	Lower Bent Tube for front and back door	2
3B	Lower Bent Tube for Assembly Winch	2
4	Purlin	80
4A	Strengthening Support Tube	30/ 15 groups
4B	Upper vertical supporting tube	15
5L	Side Base Plate for Connors (at left)	2
5R	Side Base Plate for Connors (at right)	2
6	Base Plate for front and back door	4
7	Base Plate for inner sidewall	30
8L	Lower Door track at left	2
8R	Lower Door Track at right	2
9L	Upper Door Track at left	2
9R	Upper Door Track at right	2
10	Side Horizontal Connection Tube for door	4
10A	Bottom Horizontal Tube for assembly winch	2
10B	Winch	2
10C	Steel Wire for Winch	2
11	Door Beam	4/2 groups
11A	Suspender Tube	2
11B	Angle Iron Plate	2
12	Lower Tensioning Tube for front and back door	4
13	Diagonal Bracing Tube	12
13A	Clip for Diagonal Bracing Tube	24 sets
13B	Splint for Door Track	8
14	Lower Tensioning Tube for roof cover	16/2 groups
15	Door Dropping Tube	28/14 groups
16	Stake Peg	110
17	Carriage bolt M10x90mm	85 sets
18	Carriage bolt M8x60mm	204 sets
19	Bolt M10x30mm	49 sets
19A	Bolt M10x90 mm	52 sets
19B	Bolt M10x60 mm	8 sets

21	Ratchet Tie Down	34
22	Roof Cover	1
23	Front and Back Door Cover	2
24	Knitting Rope for No.22,23	1 bundle
25	Nylon Band for Winch	34
26	Round Plastic Plug	12
27	Tension ball	4

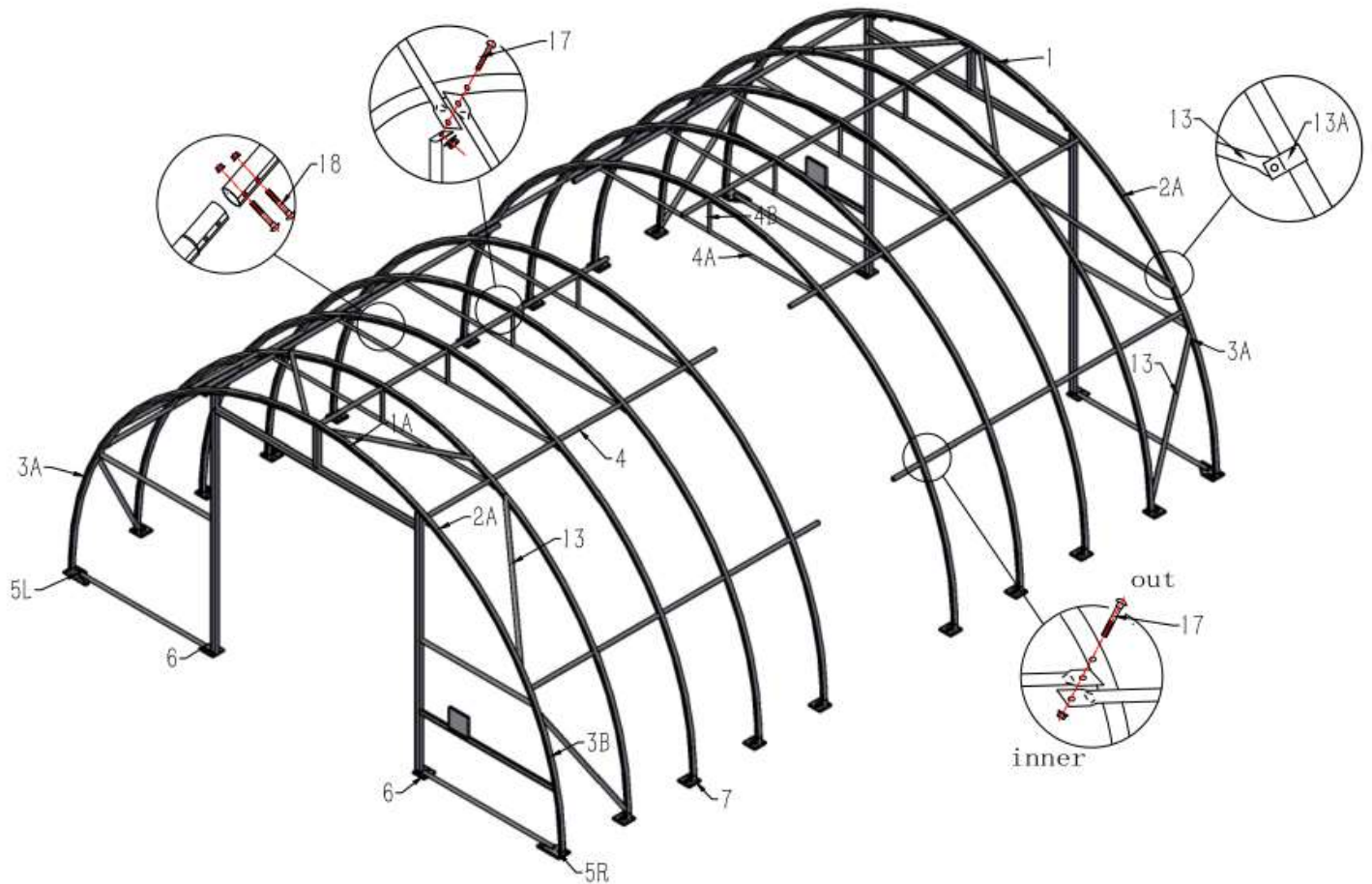


Figure 1: Sketch of Trussed Frame Shelter

EQUIPMENT AND TOOLS FOR INSTALLATION

1. Measuring tape
2. String for alignment
3. Step ladder
4. Welder
5. Sledge hammer
6. Wrench
7. Scissors

⚠ WARNING

SAFETY TIPS

Always wear proper safety equipment such as safety glasses and gloves

INSTALLATION PROCESS

A—BASE INSTALLATION

Please refer to the diagram (Figure 2) to place the base plates.

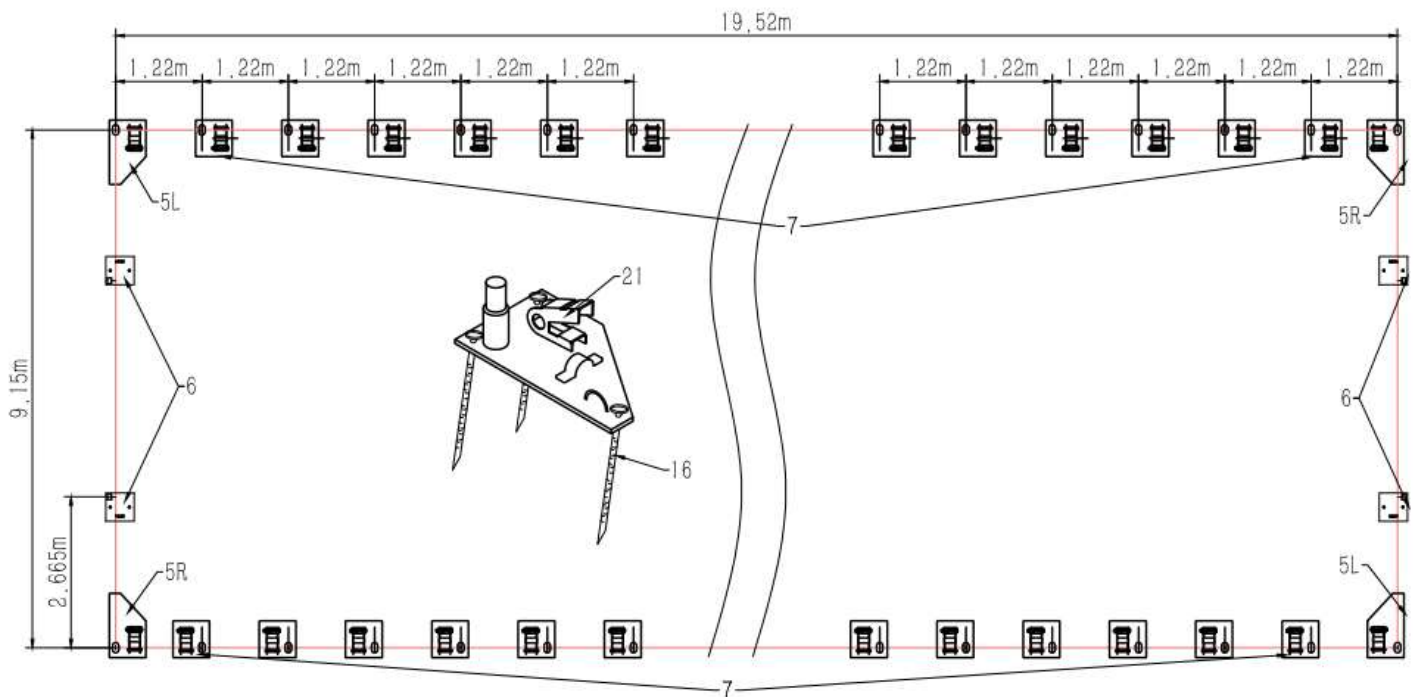


Figure 2

1. The measure if from center to center of the tubes. Referring to the above diagram and confirm the place of the base plates. ENSURE THAT THE FOUNDATIONS IS SQUARE.
2. There are three holes on the Base Plates (No.5, 7) and two holes on the Base Plate (No.6), for Stake Peg (No.16). THUS ALL BASE PLATES ARE SECURED.

Foundation Placement

As **Figure 3** shows each Base Plate is equipped with three pieces of Stake Peg (No.16).

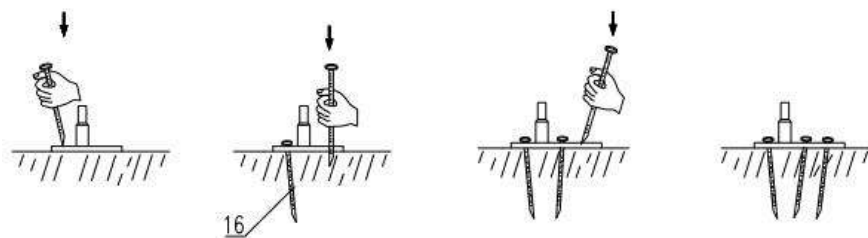


Figure 3

Note: The Stake Pegs apply for normal conditions, not suitable to the rock ground, frozen soil and concrete ground.

B—FRAME INSTALLATION

1. As Figure 4 shown to find one Roof Bent Tube (No.1), two pieces of Middle Bent Tubes for doors (No. 2), Lower Bent Tube (No. 3) and assemble every group arch with Screw . DO NOT install the screw on the top of the truss where the fabric will rest.

Note: Middle Bent Tube and Lower Bent Tube for two end tubes (No.2A&3A) which are welded with steel plates for Door are different.

2. Lift an assembled arch onto one base plate and force the other end of the arch onto the opposite base plate.

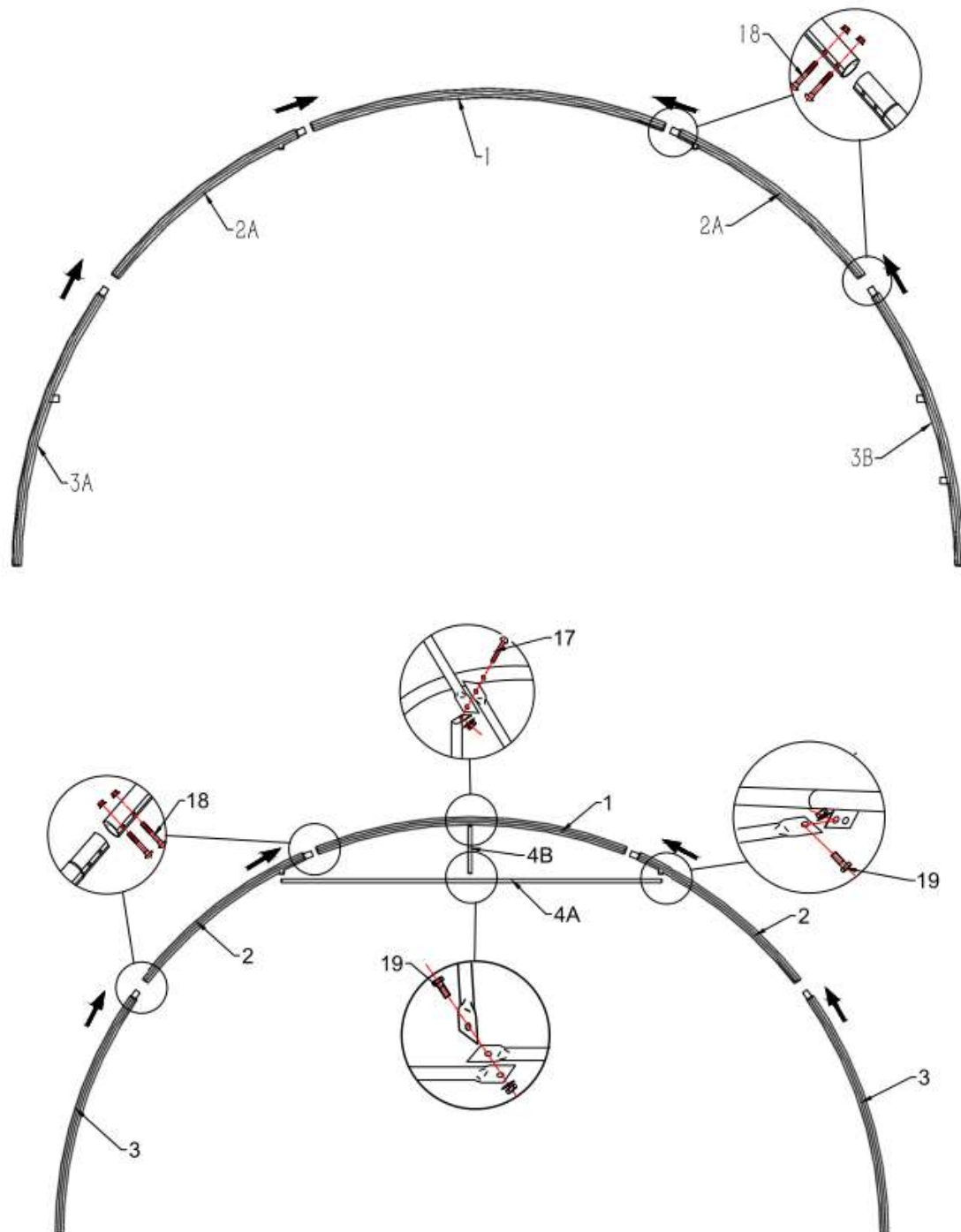


Figure 4

3. When finish installing the first two arches into the base plates, use purlins (No.4) to connect them by Screw M10x80 (No.17). Then install the third arch into the third arch into the plate and connect the Purlins. In this turn, fix all other arches and other purlins. Then come to install the front panel and back panel. Find the relative components and assemble them. The horizontal Strengthening Support Tube (No.4) under the roof bent tube is used for making the frame be much stronger(4A).

4. Connect the Diagonal Bracing Tube (No.13) with clip (No.13A) between the Lower Bent Tubes as figure 5.

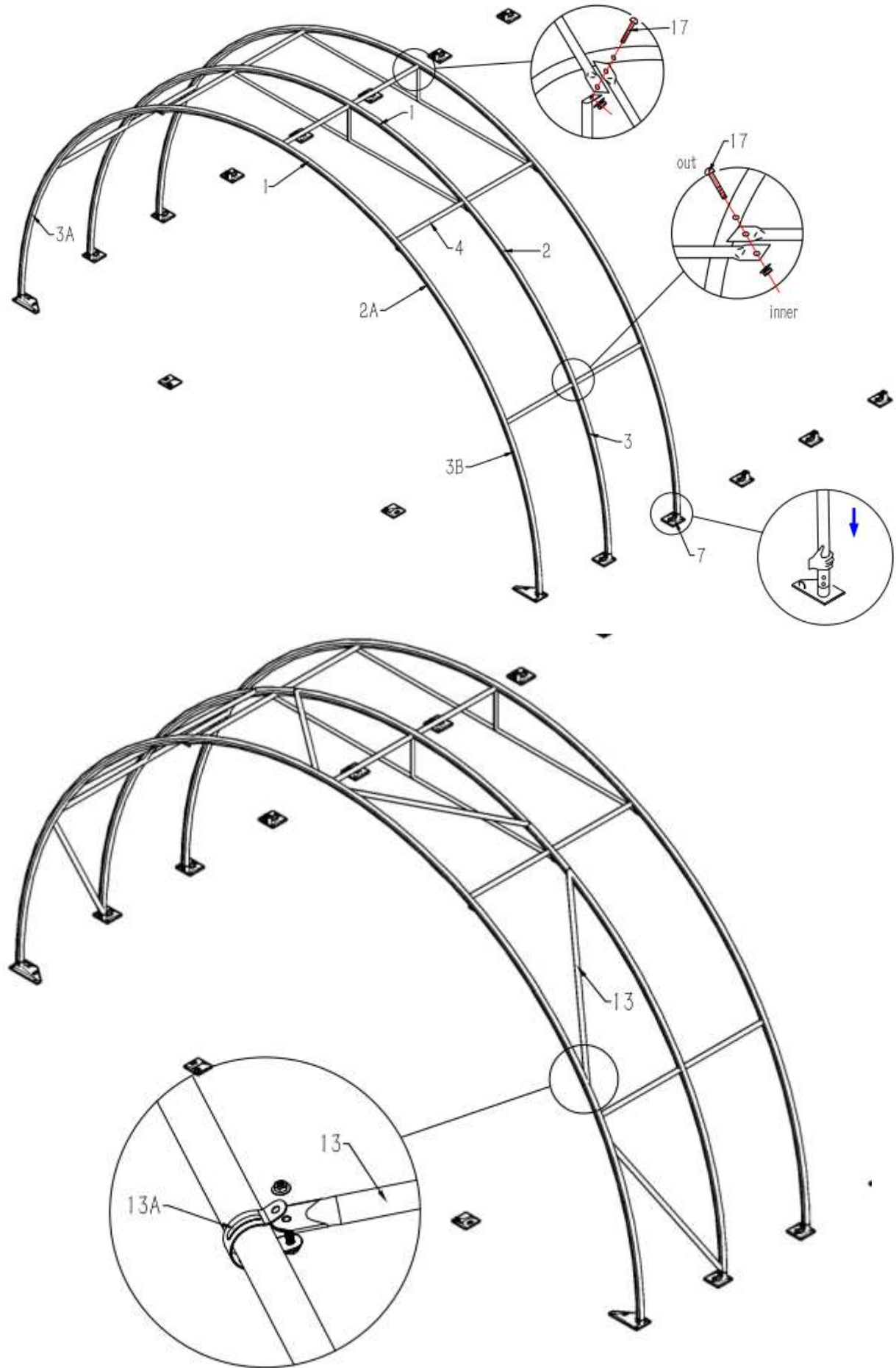


Figure 5

C—INSTRUCTION THE FRONT AND BACK COVER

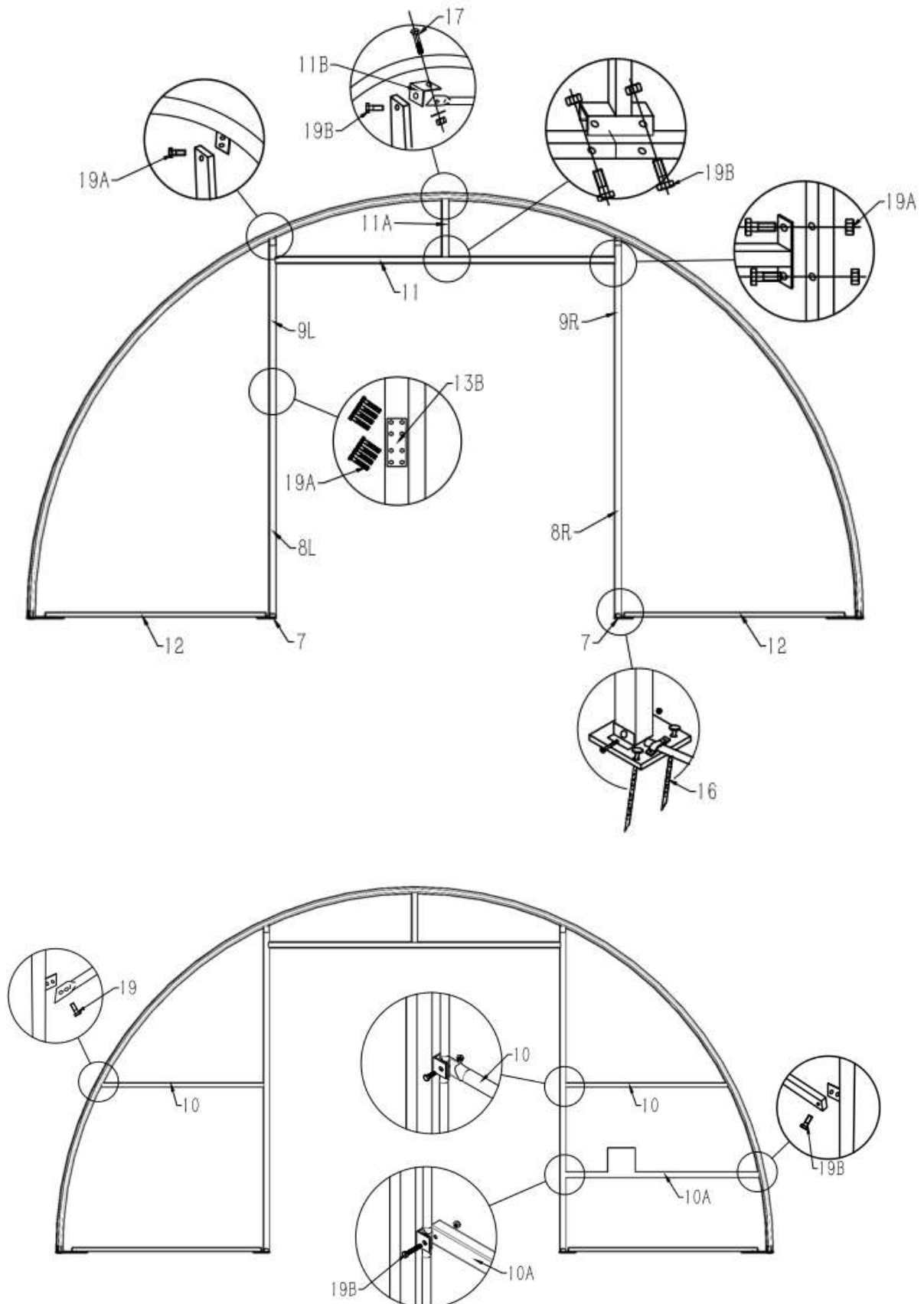


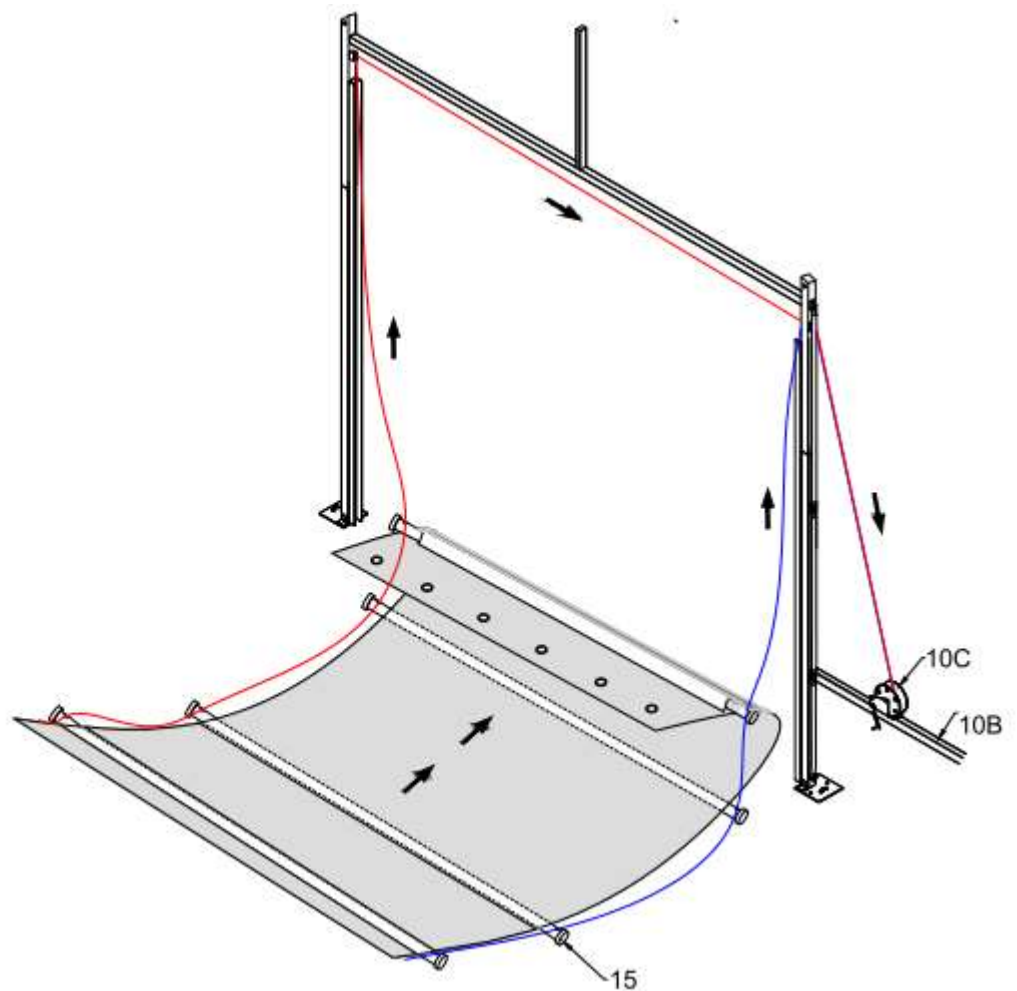
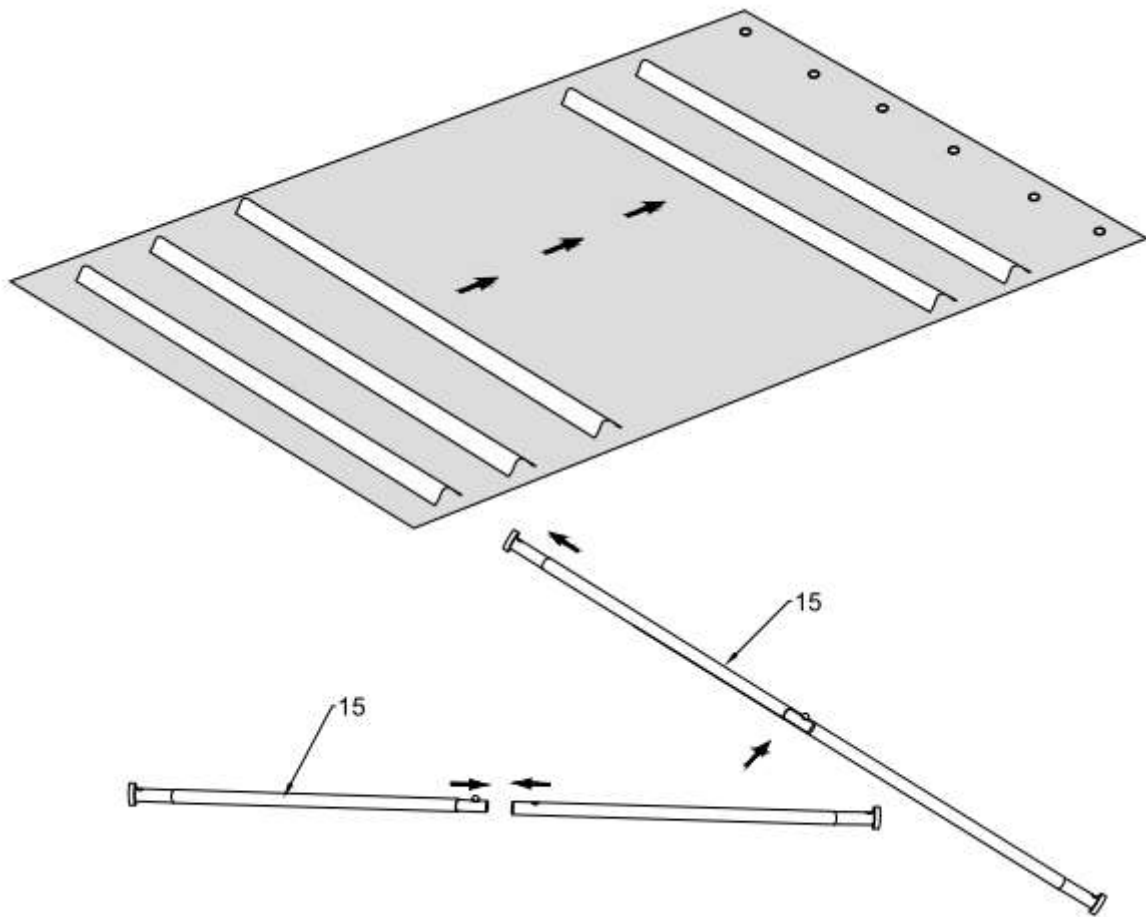
Figure 7

1. After assemble the arches, please assemble the front and back wall as the picture (Figure 7&8) shows above.

2. Method of Fastening Front and Back Cover .

Use Knitting Rope (No.24) on Front and Back cover (No.23) to lace the grommets in the end to the tension tubes evenly.

The end covers are tied to the frame (Roof, Middle & Lower Bent Tube) by Knitting Rope. They are also been secured to the end frame (door tube and side rail) by Knitting Rope.



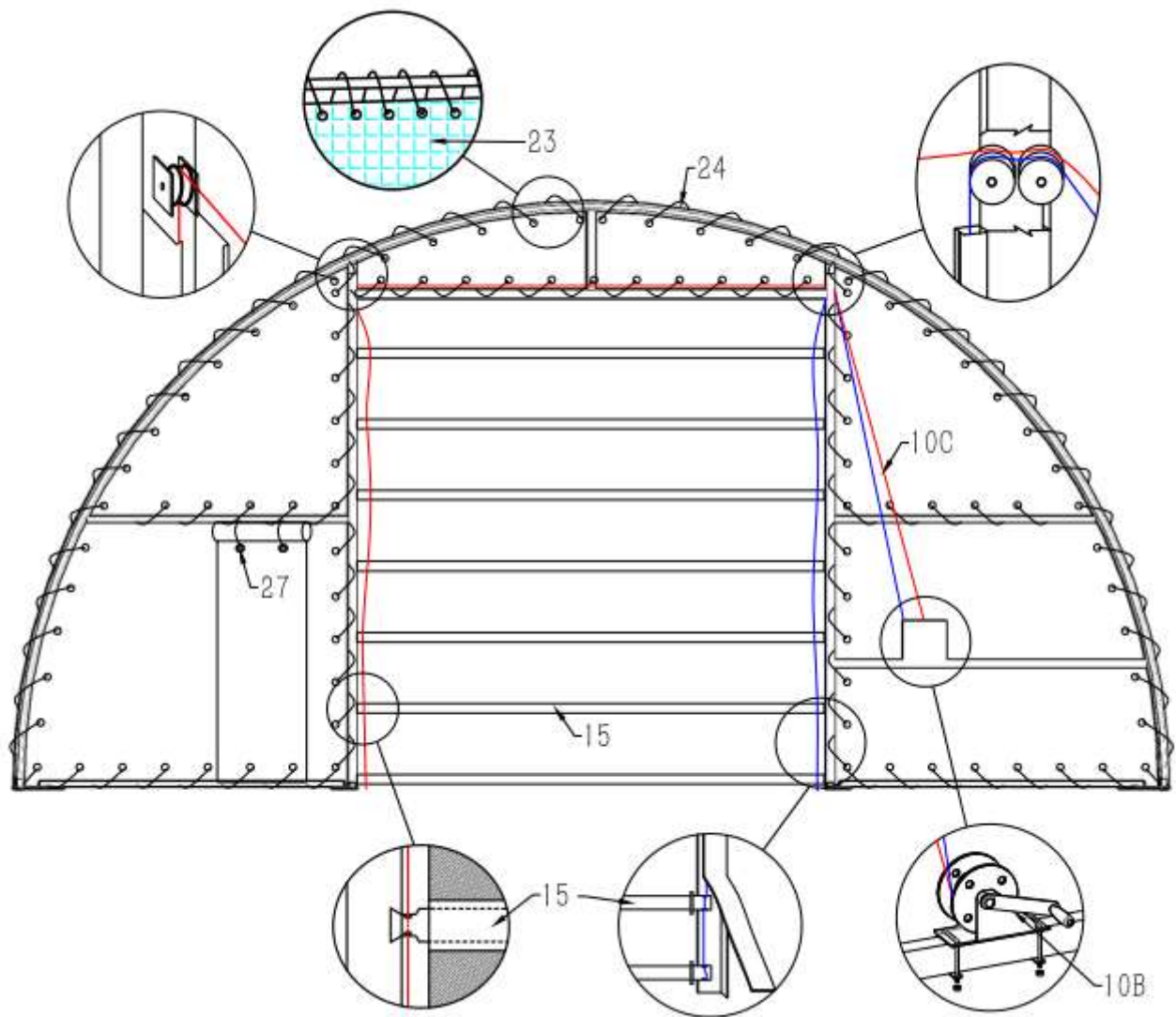


Figure 8

3. Spread the door cover on the ground, and insert the door dropping tube (No. 25) into the horizontal fabric pouch of the door cover.
4. Wrap the steel wire on the winch wheel. Put steel wire through the double pulley to the single pulley. The other end of steel wire through the double pulley directly.
5. Then let the installed steel wire go down through the dropping tube hole separately from top to bottom. Tie a knot in the bottom of door dropping tube, so it cannot pass back .
6. Erecting the whole door cover and fix it well on the frame by using rope.
7. Thus, the door can be open and close by operating the winch wheel.

D—INSTRUCTION THE ROOF COVER

NOTE: DO NOT install the cover onto the frame of your building in high wind conditions. A slight breeze is the most advantageous for cover installation. To take advantage of the breeze, pull the cover up over the arches with breeze blowing in the cover like a sail filled with air.

1. Assemble Tension Tube for Roof Cover (No.14) before installing the cover.
2. Roll out the roof cover on a ground sheet. Align the cover evenly to each end of the frame.

Note: Be sure doing not pullover the end of the roof cover.

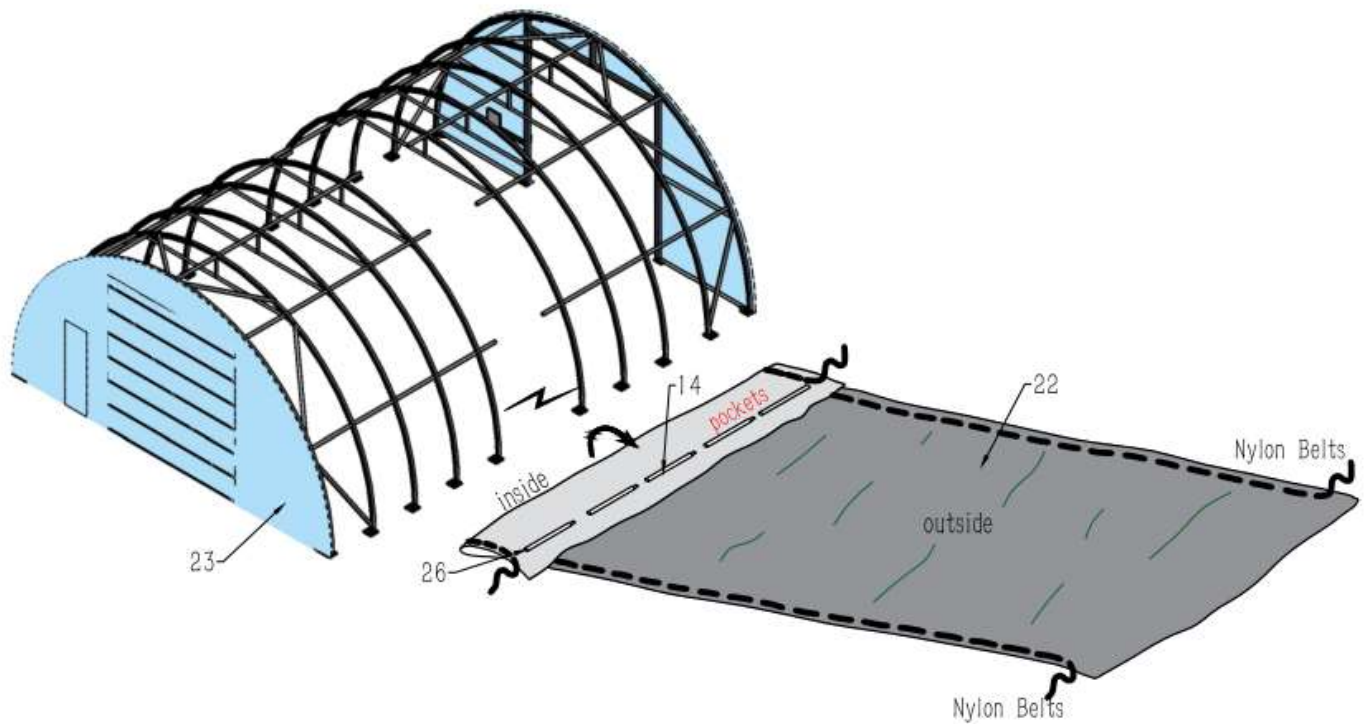


Figure 9

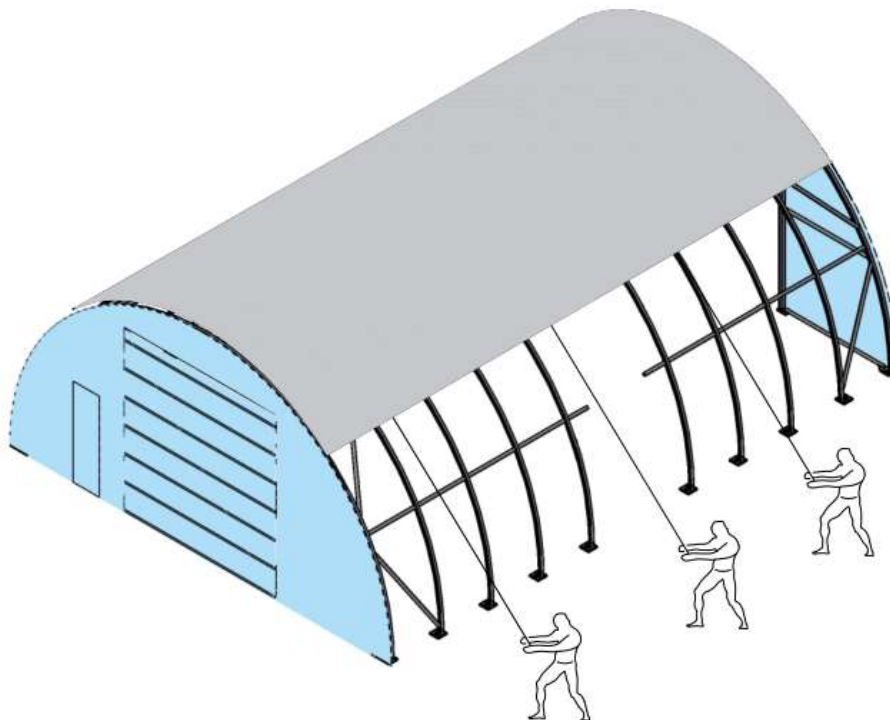


Figure 10

3. Pull the cover over the frame **EVENLY, CAREFULLY AND SLOWLY**. Insert the tension tubes (No.14) into the cover pipe pockets and loosely secure the Nylon Band (No.25) for Winch in the Winch (No.21). **DO NOT TIGHTEN**. Adjust the cover so that it is square and evenly centered on the frame.

Note: The end flaps must overhang evenly at both ends.

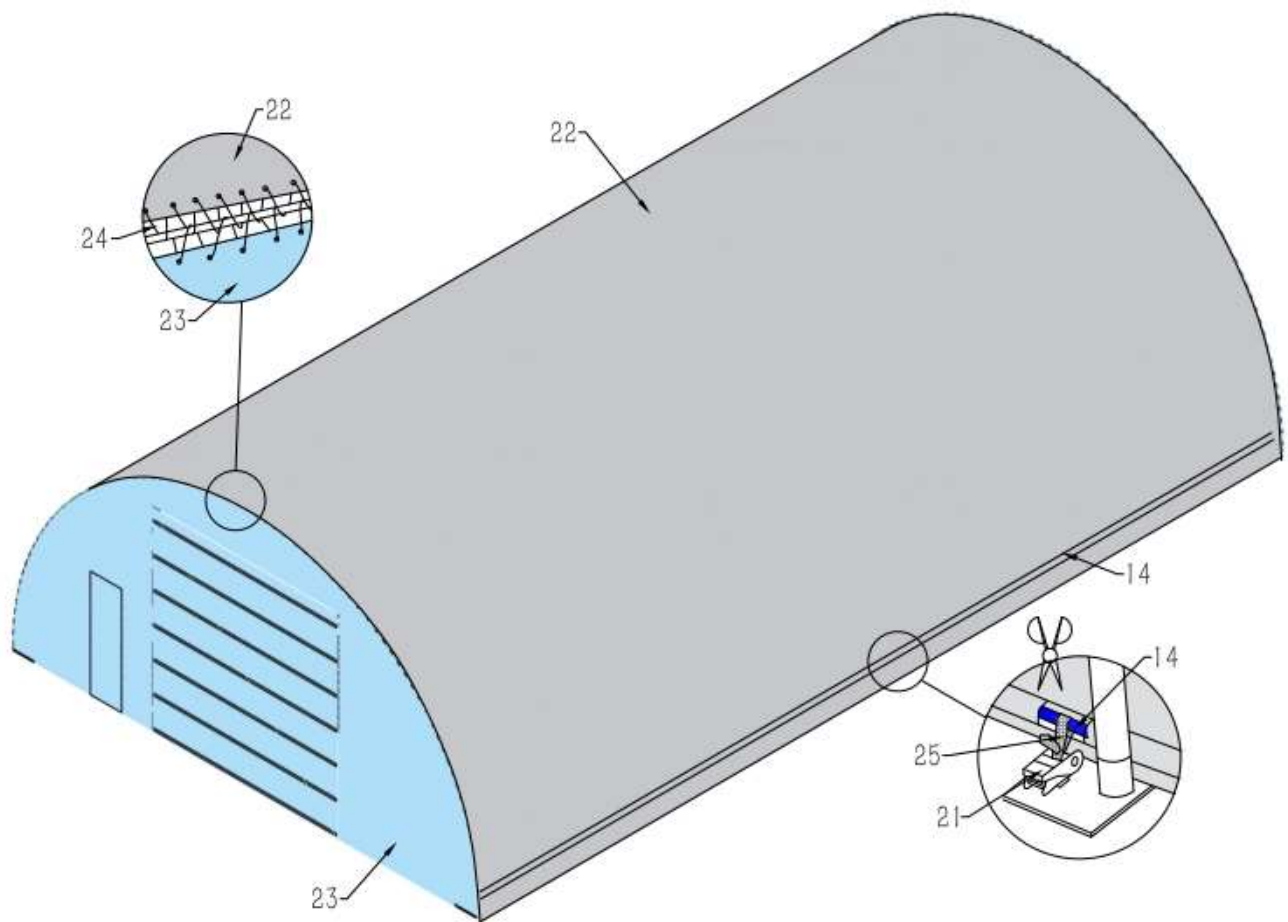


Figure 11

4. Tidy the cover, Roof Cover, Back Cover and Front Cover. Fasten the band inside the end of the roof cover, make the cover well fold to the frame and tie the end of the band to the Clips on Base Plates at four corners.
NOW THE INSTALLATION IS FINISHED.

NOTE: DO NOT LEAVE THE ROOF COVER UNATTACHED UNDER ANY CIRCUMSTANCES until the final assembly and tightening has been completed. The process is quite easy. But some tightening adjustments will be necessary to produce a flat, tension ed roof cover.
 Please adjust the roof cover every month.