



STORAGE SHELTER ASSEMBLY MANUAL

Model: EMC-5010026DP

Size: W15.24m×L30.48m×H7.9m



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.

READ ALL THE INSTRUCTIONS BEFORE ASSEMBLY !

1. The proper erection and installation of this building requires a high level of care and safety. We recommend the safety regulations be complied with during the installation. It includes but is not limited to:
 - Safety hats, protective eyewear and protective clothing
 - Safety harnesses for all elevated workers
 - Proper ladder, cage, and safety operation
2. Site selection: Choose a solid level location for your building. Do not install the building where the ground could not keep the building steady. Do not install the building where the ground could not bear the weight of the building. Do not install the building in soft grass ground or wetland.
3. Be cautious with the surroundings. Keep work area clean. Do not set up it near snow drifts, in slippery places, or in wet location. The cover of the building will protect against normal falling leaves and light debris, however, large, fast or sharp falling items etc. may cause a puncture or tear in the cover material. So, keep the building away from such harmful things. Be careful with power and heat sources. Don't keep heat sources near the tarpaulin. Don't expose to open flame.
4. Chose a windless day to install the building. It is very difficult to attach the cover in heavy wind.
5. All snow accumulation on the main cover should be removed as soon as possible. Otherwise, when old snow on the roof becomes hard with new snow falling in, it will increase the burden of the roof badly and will damage the roof.
6. Try to keep the building, especially its base, in a dry condition. This will help the building to have a longer life than keeping it in a wet conditions.
7. The user should be responsible for the parts missing or damage occurred during the installation.
8. Don't make alteration of the frame. Don't hang anything besides included parts to the frame. Damages, consequential damages, or injuries caused by improper installation, alteration, improper use, or damages caused by snow, wind, or any acts of nature are owing to the user. The building is not intended for occupancy for any length of time.

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 plates flanges to base surface.
3. Assemble every group of 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 covers over end panels.

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

MAINTENANCE AND CARE

1. If some parts or the cover were accidentally damaged during the use, contact the local supplier for advises on the repairing method or replacements, so that to prevent from further damage and keep the building in a good condition.
2. When replacing the parts, make certain the whole frame and the parts connected to the replaced parts be well fixed or supported.
3. Same with when attaching the cover, choose a windless day to replace the cover. Begin with making certain all the bolts of the frame and the tensioning equipments be well fixed. When taking off the cover, make sure the related ropes, etc. be taken off, and the cover will not be blocked during the way. Avoid taking off the cover with heavy big power equipments.
4. For the building with mechanical door. Keep the door closed if it is not used for long time. This helps the mechanical door to have a longer life.
5. To enlongate the life of the cover, put small duct tape or foam rubber (provide it by yourself) on the frame that comes to in contact with cover. The tape and foam rubber acts as a cushion to avoid rubbing damage to the cover over years.
6. Periodically(once in half a year or more often), the building should be completely inspected and maintained internally and externally to make certain the building remains properly installed and secured. Including: check all bolts and hardware connectors to be certain they are in place and tightened, the base plates are still fixed firmly, check and adjust the ropes if in need, clean the cover with suitable washing. Allowing dirt and debris to sit on cover over an extended time will damage cover irreparably.

Thanks again for choosing this quality product. The following is the detailed assembly instructions for you starting the assembly.

Part	Description	Quantity
A		
1A	Top roof tube at front and back panel	2
1B	Middle of top roof tube for steel wire	4
20	Components for mechanical door	2sets
23	Hexagon Bolt M14x30	450
24	Hexagon Bolt M10x60	125
25	Hexagon Bolt M10x75	110
26	Hexagon Bolt M10x85	34
27	Hexagon Bolt M10x30	26
28	Plastic cap	8+4
29	Roof cover	1
30	Front and back cover	2
31	Front and back cover	2
32	Band for tie down ratchet	20
33	Rope for fastening the roof cover, the door cover and the front&back cover	22
34	Anti wear pad	88
35	Plastic tube for roof cover	18+2
36	Band for tensioning the plastic tube	50
B		
1	Top roof tube	5
4	Roof curving tube at shoulder height	10
4B	Roof curving tube at shoulder height for steel wire	8
6L	Base flange -Left corner	2
6R	Base flange -Right corner	2
7L	Base flange for sidewall-Left	9
7R	Base flange for sidewall-Right	9
8	Base flange for door	4
8A	Base flange for panles	4
15	Rail beside the door.	8
21	Expansion anchor bolt	104
22	Steel wire for roof	60
22A	Steel wire for sidewall	12
22B	Steel wire for front and back panel	4
	Basket bolts + Buckles	76+152
37	Tie down ratchet for plastic tube	50
C		
2	Upper roof curving tube	10
2A	Upper roof curving tube at front and back panel	4
2B	Upper roof curving tube for steel wire	8
3	Lower roof curving tube	6
3A	Lower roof curving tube at front and back panel	4
3B	Lower roof curving tube for steel wire	8
17	Tensioning tube for roof cover	20+2
18	Cover tensioning tube of front and back cover	4+4
D		
3	Lower roof curving tube	4
5	Sidewall tube	10
5A	Sidewall tube for front and back panel	4
5B	Sidewall tube for steel wire	8
9	Horizontal tube	110
11	Upper standing tube for front panel	4

11A	Lower standing tube for front panel	4
12	Upper side rail for front and back panle	4
13	Lower side rail for front and back panle	4
14	Door beam	2+2
14A	Vertical support tube for door beam	2
16	Bottom rail for winch of mechanical door(beside the door)	2
19	Door dropping tube	12+12
19A	Door dropping tube at the bottom	2+2
E		
4A	Roof curving tube at shoulder height for panels	4
10	Upper door track	4
10A	Lower door track	4

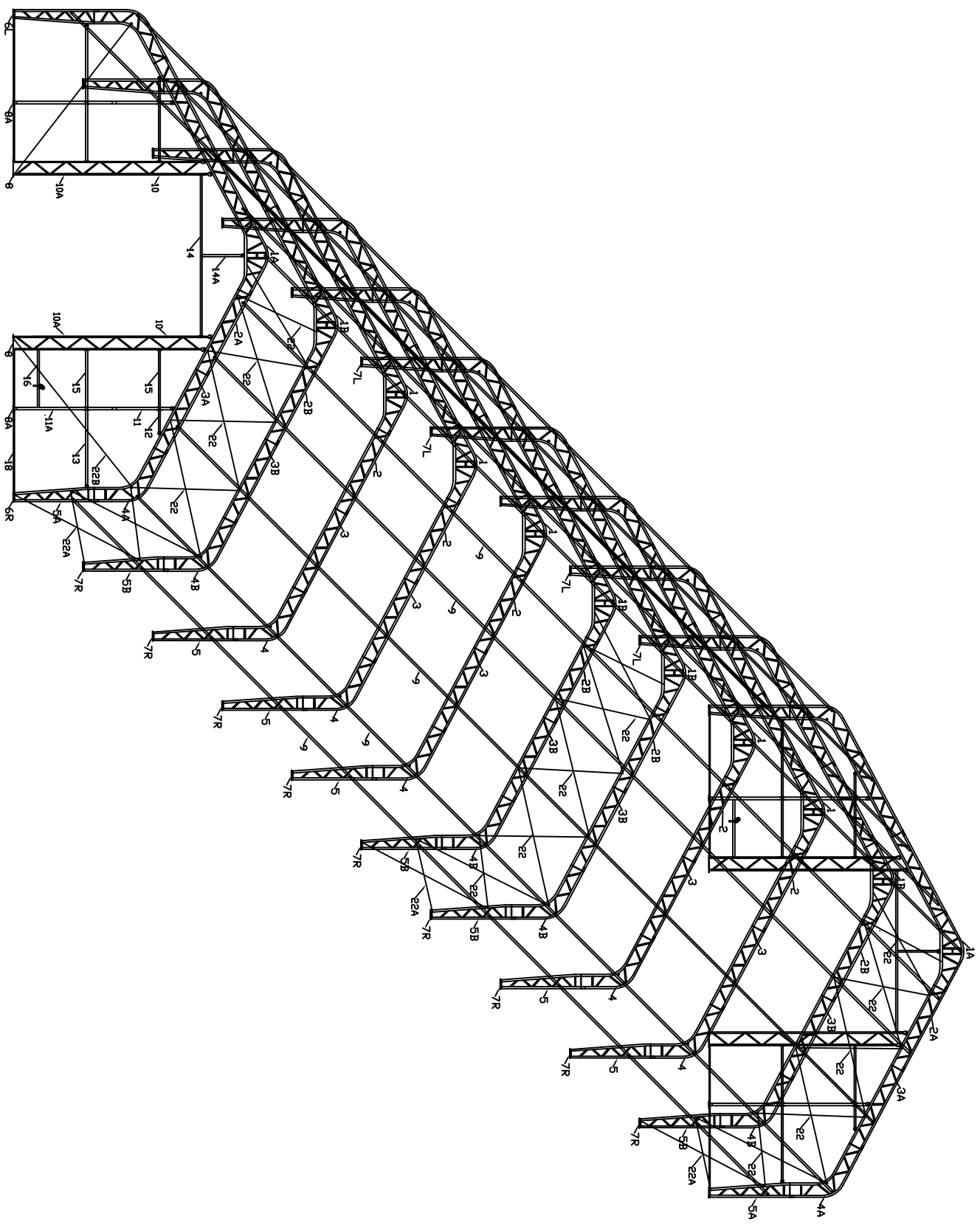


FIGURE:5010026

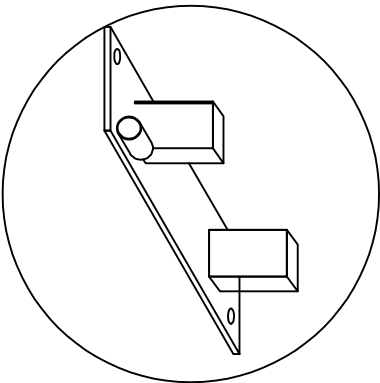


FIGURE.1.BASE PLATE FOUNDATION 3D VIEW

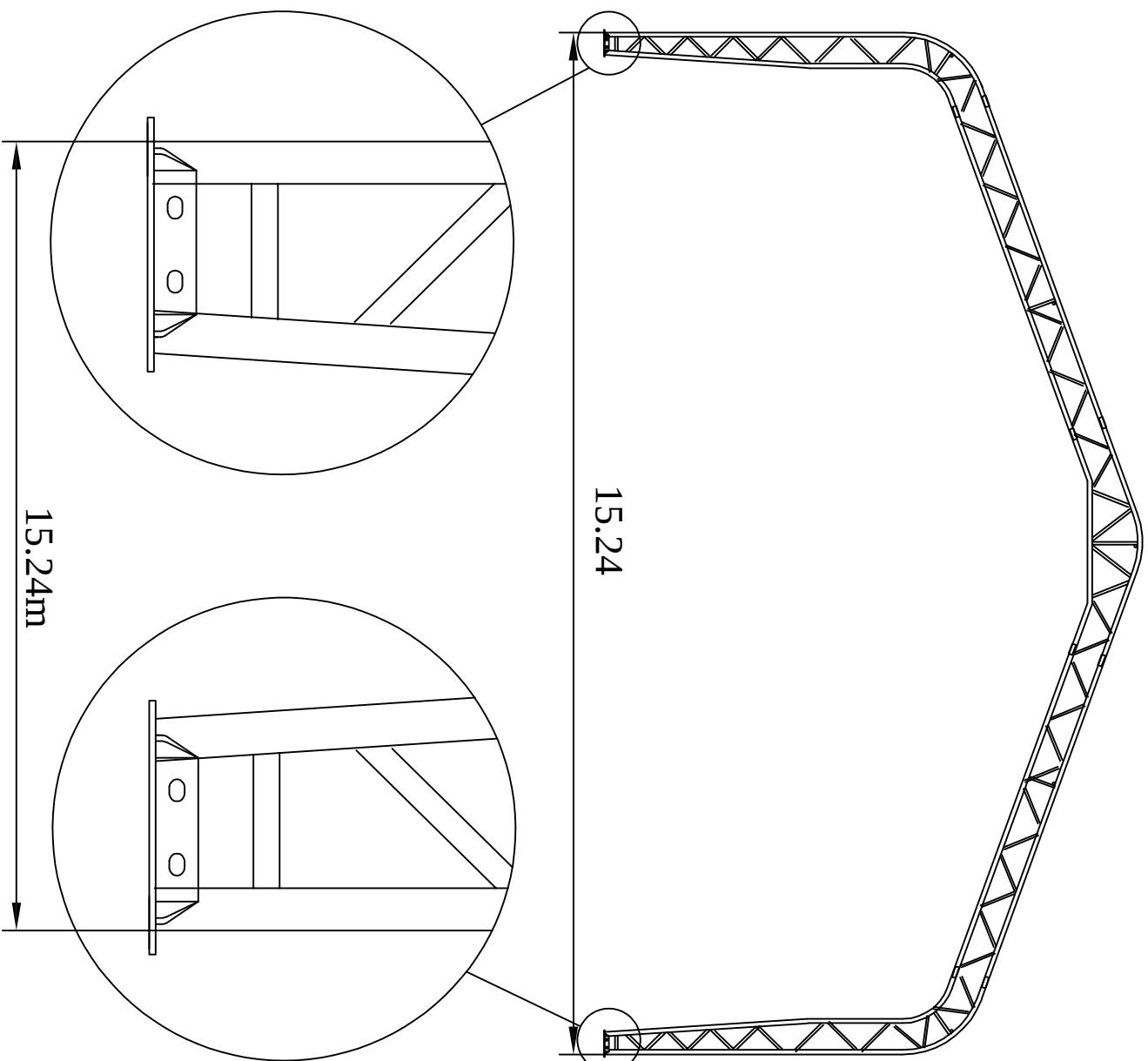


FIGURE.1-1

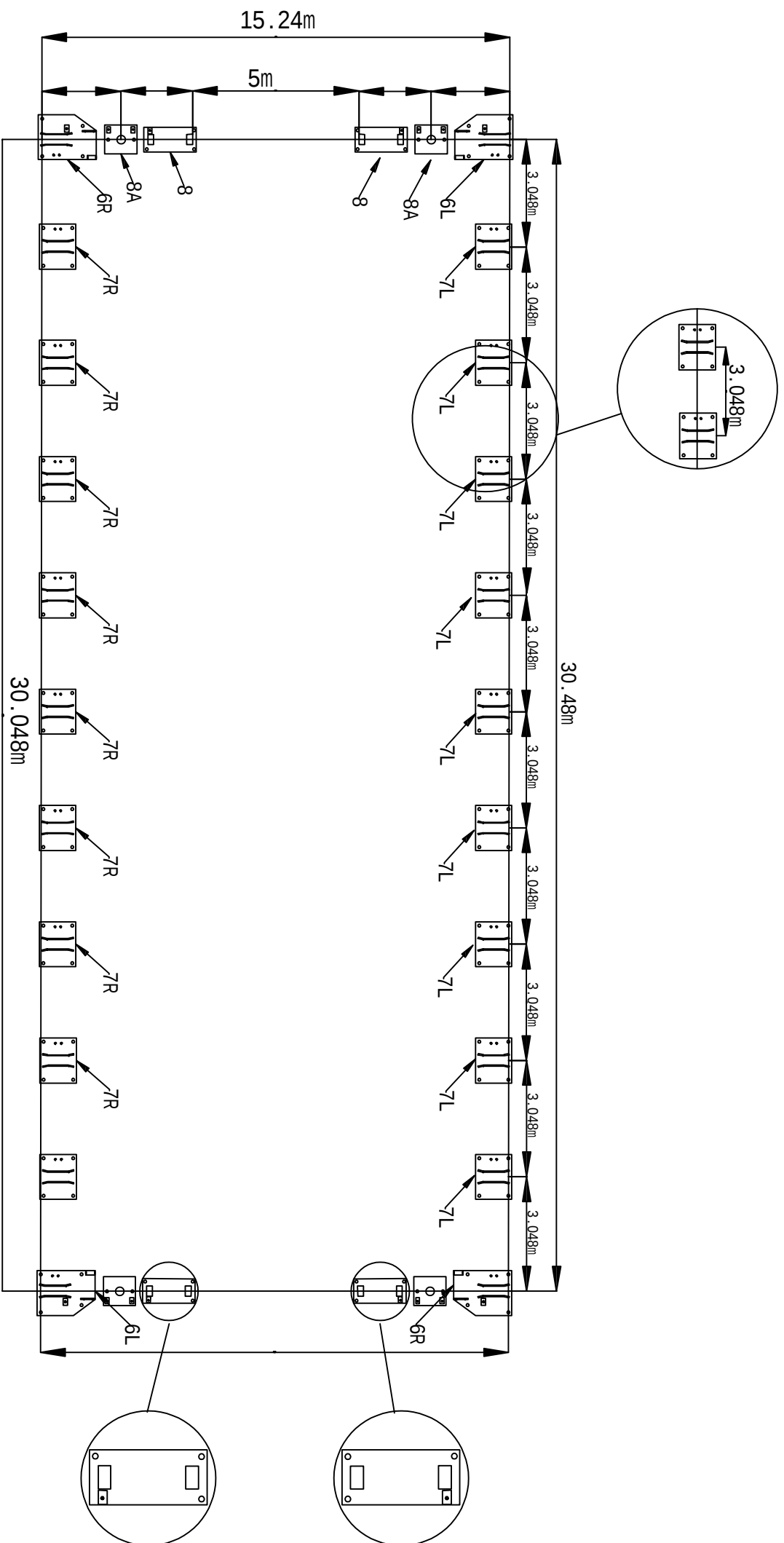


FIGURE.2 EAGLEVIEW

STEP-2 ARCHASSEMBLY

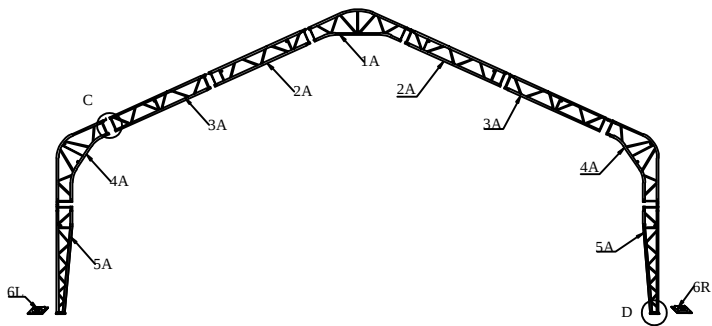


FIGURE.3.1 FRONT ANDBACKPANEL

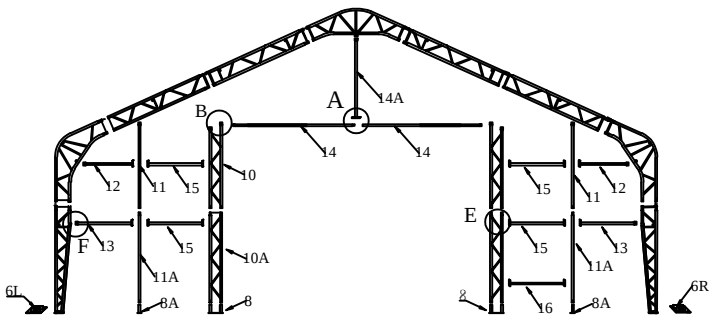


FIGURE.3.2 RAIL ANDBEAM FORFRONT AND BACKPANEL

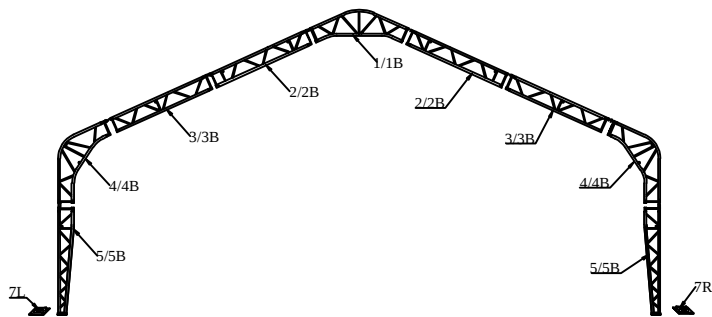


FIGURE.3.3 INTERIORARCH

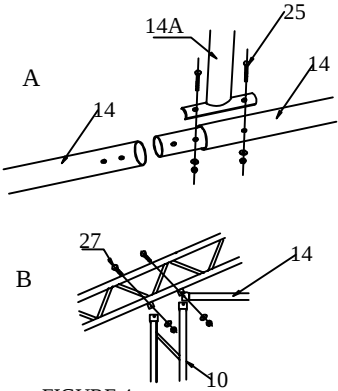
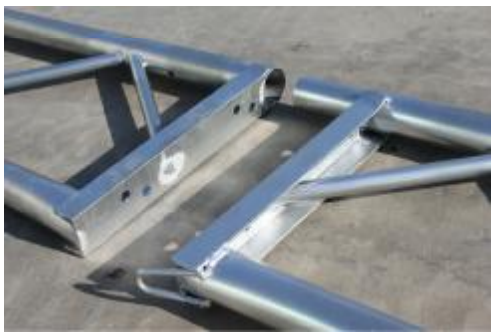
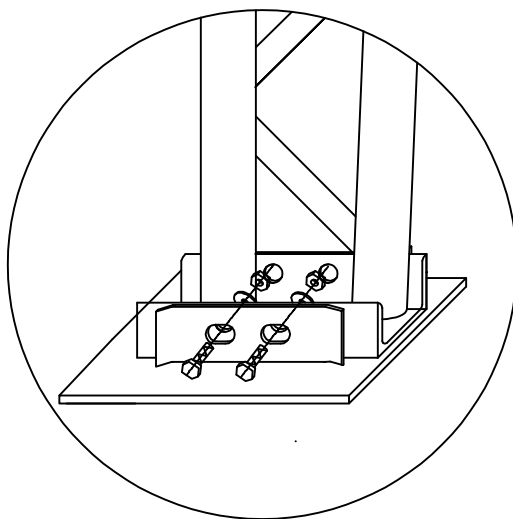


FIGURE.4

C

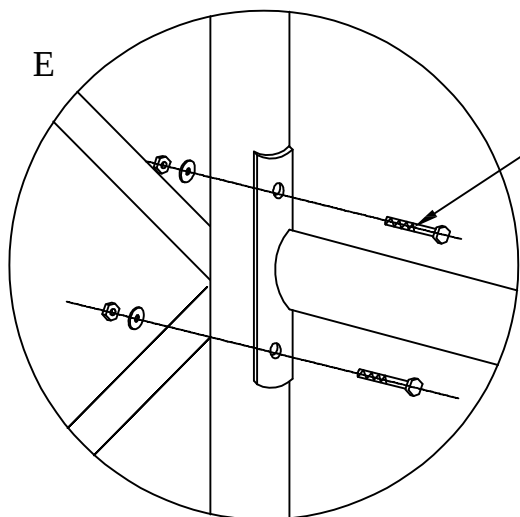


D



E

25



F

28

12/13

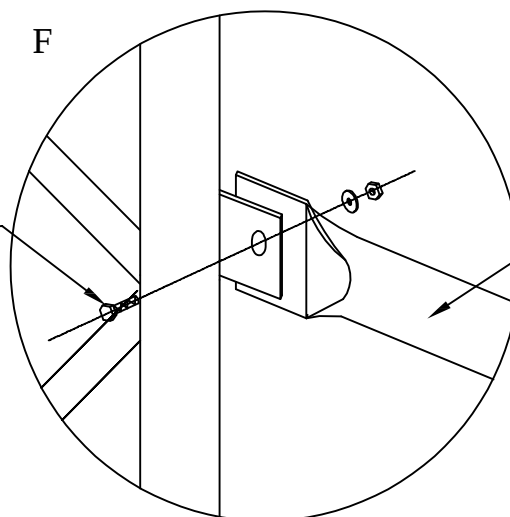


FIGURE.5

STEP-3 HORIZONTAL TUBE ASSEMBLY

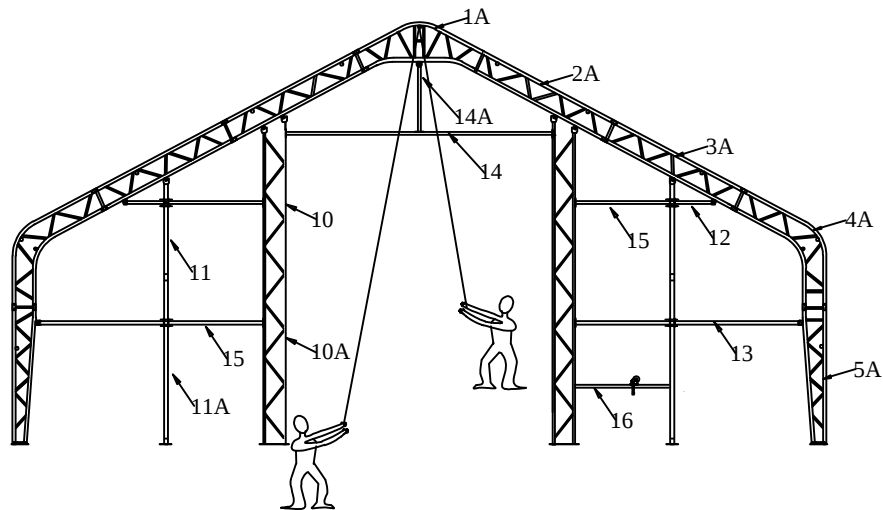


FIGURE.6 THE ROPE IS TO HOLD THE FRAME IN PLACE



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.

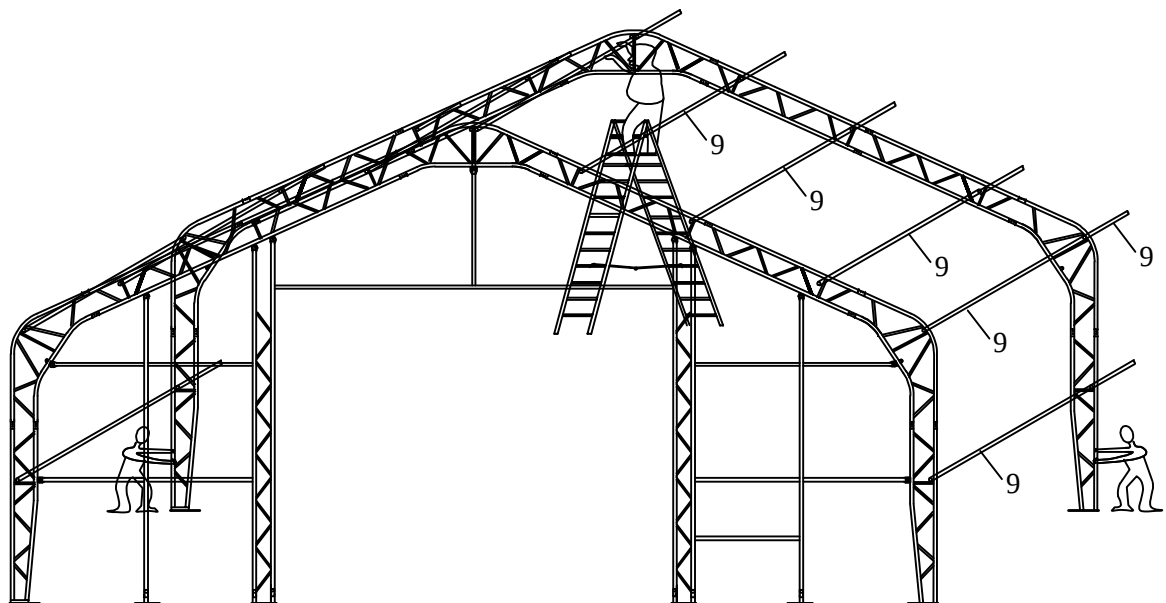


FIGURE.7

INSTALLATION TIP: THE FRONT AND BACK PANELS ARE NOT THE SAME AS INTERIOR PANELS. PLEASE DO NOT MIX THEM UP! YOU HAVE THE OPTION OF ADDING WIND STABILIZERS NOW .

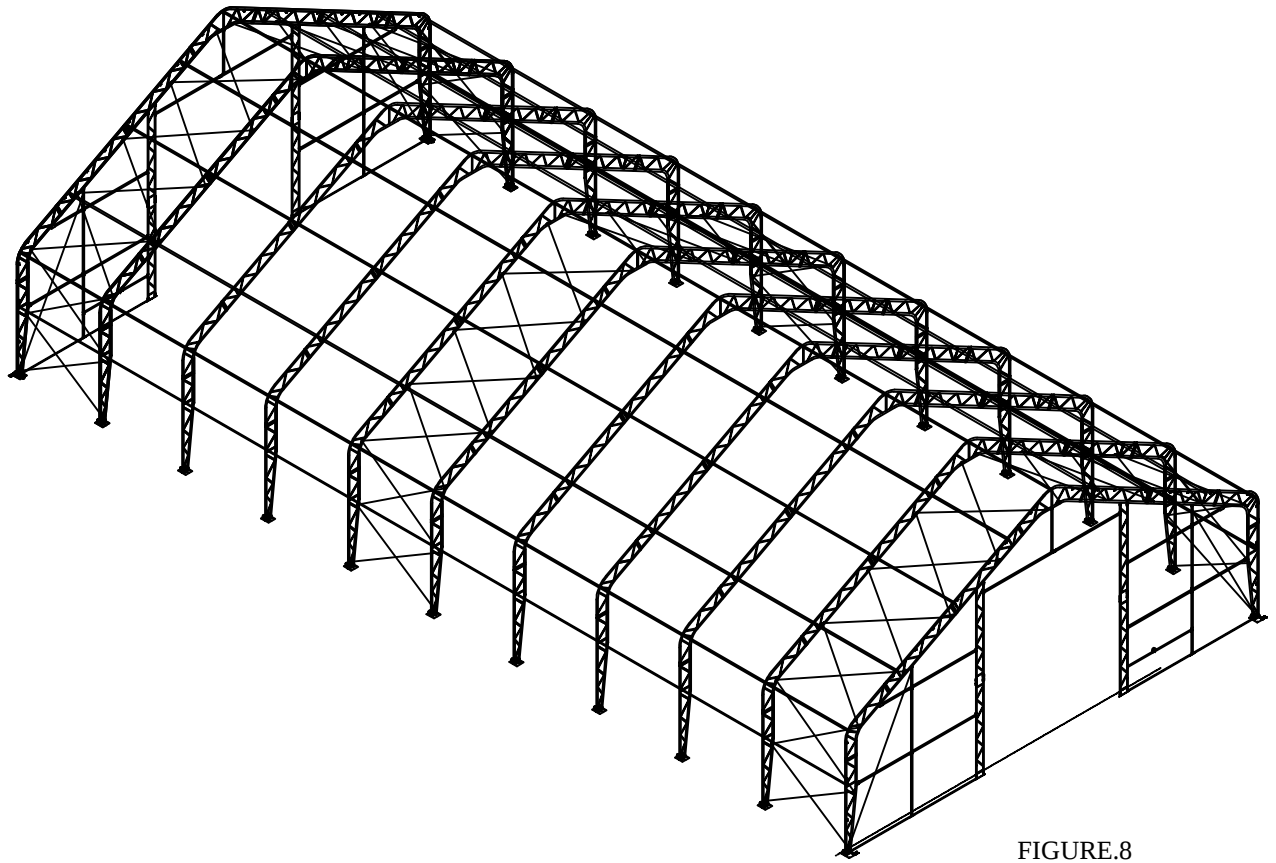
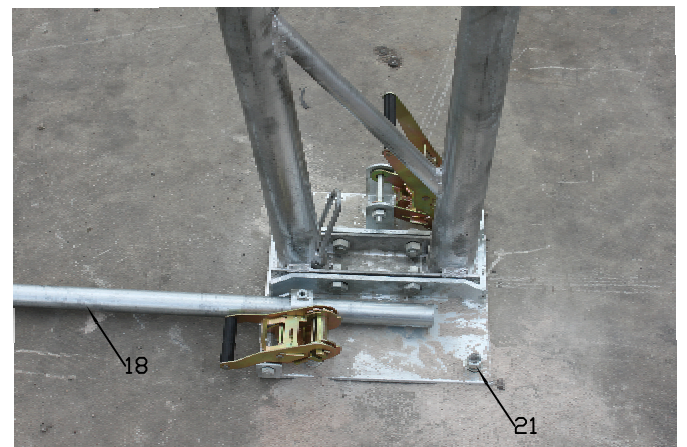


FIGURE.8



STEP-4 ASSEMBLE FRONT AND BACK COVER

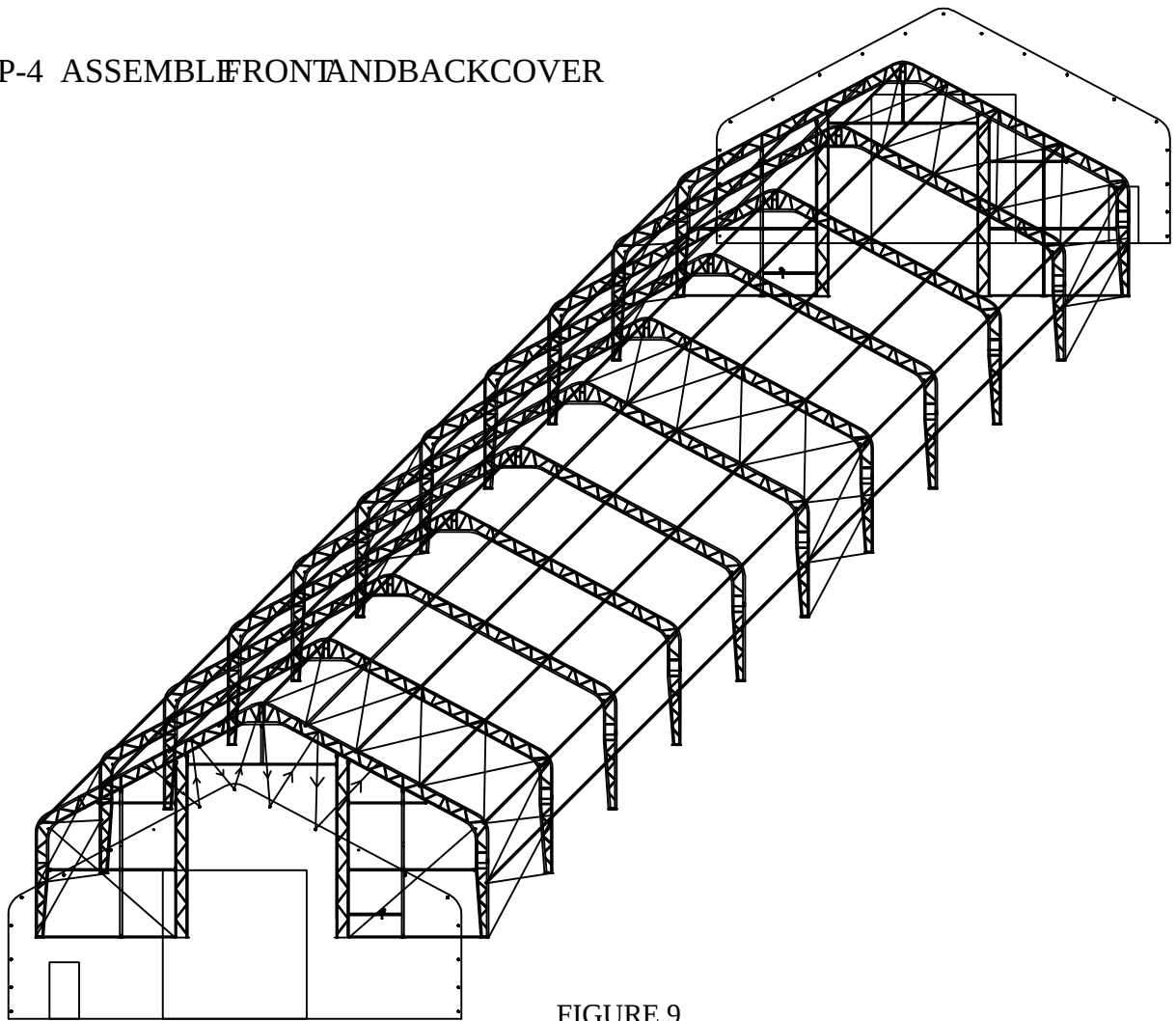


FIGURE.9

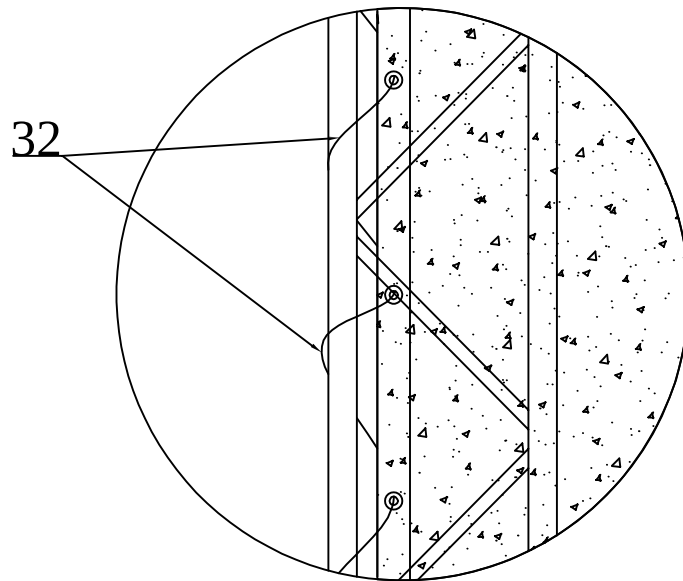


FIGURE.10

FASTEN TENSIONING ROPE (#32) FOR FIXING FRONT AND BACK COVER
INSTALLATION TIP: THE END PANEL GOES ON FIRST, FOLLOWED BY THE MAIN TARP.



Figure 11: Tarp covering the structure

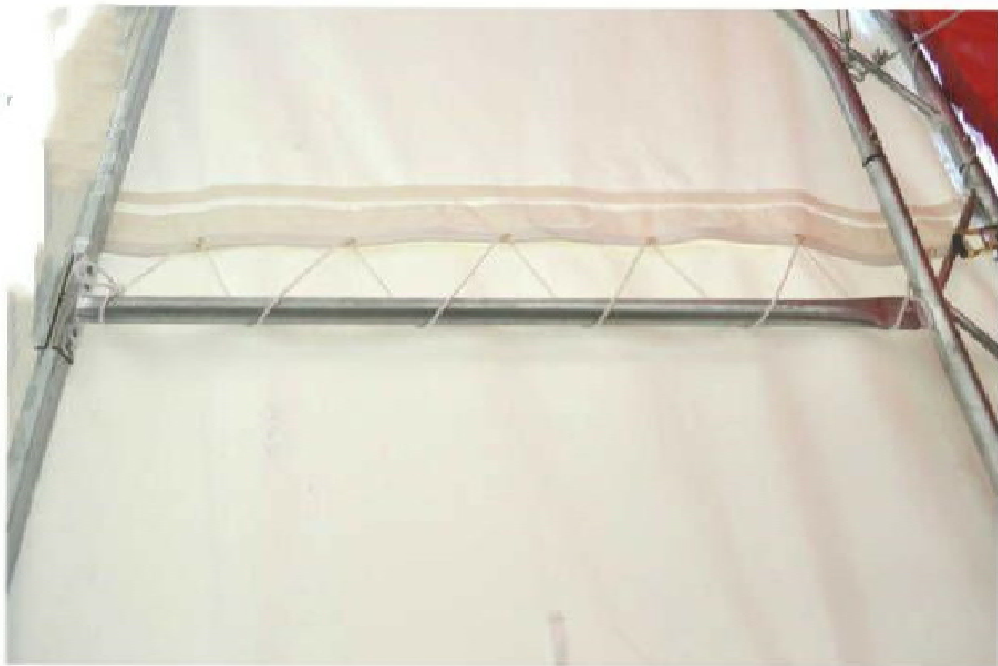


FIGURE.11

STEP-5 POSITION ROOF COVER

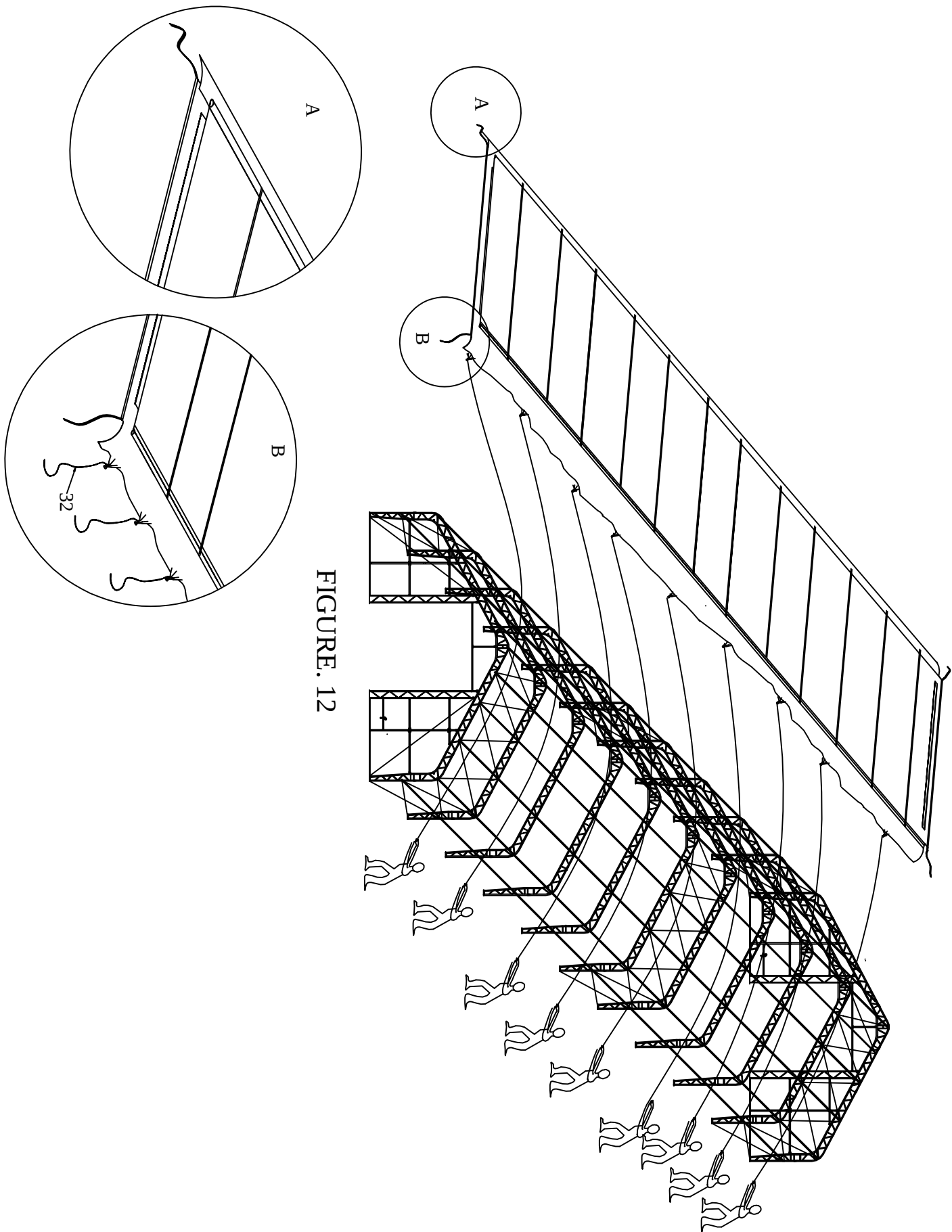


FIGURE. 12

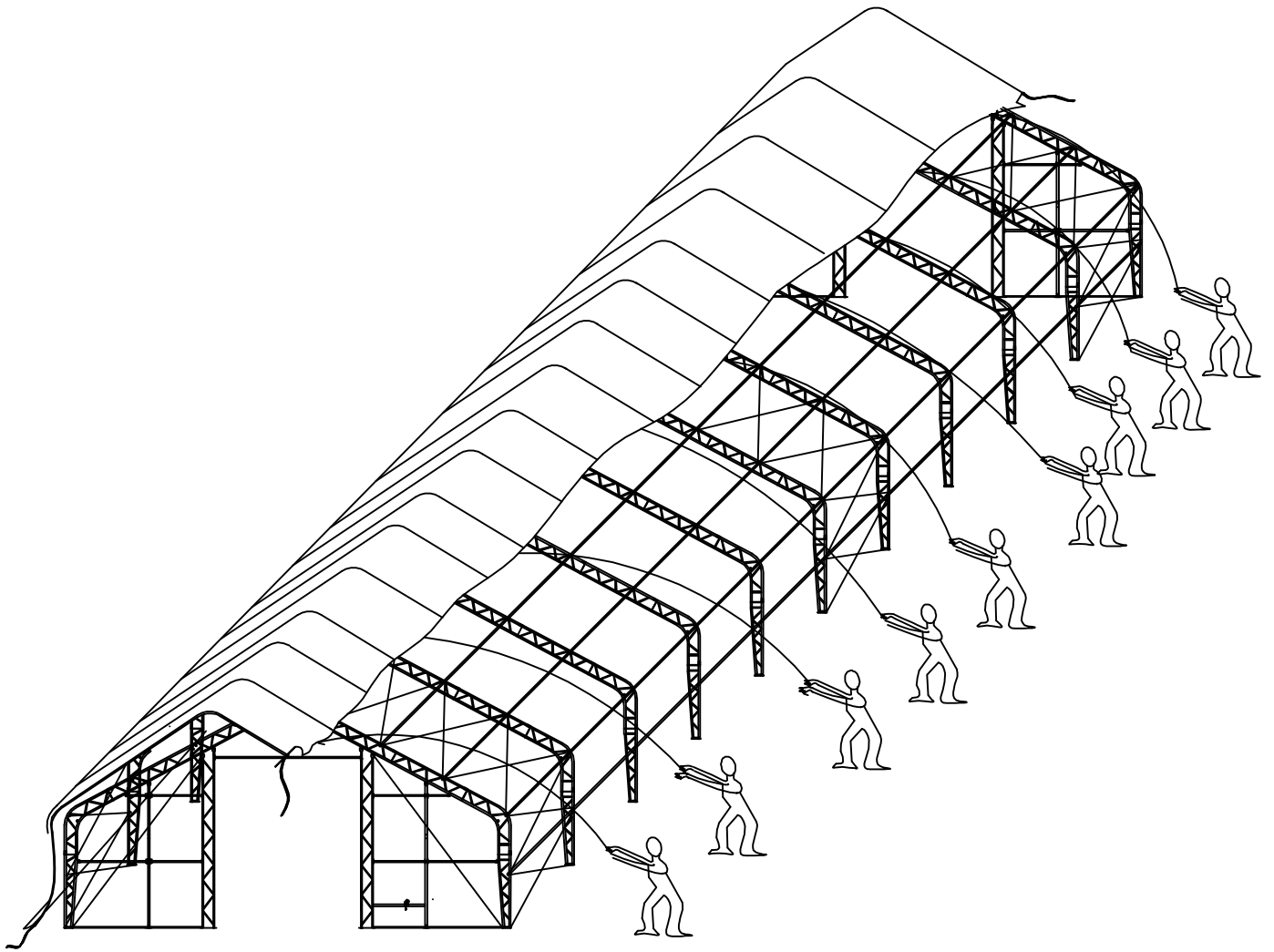


FIGURE.13 PULL THE ROOF COVER OVER THE FRAME EVENLY



STEP-6 ROOF COVER TENSIONING TUBE ASSEMBLY

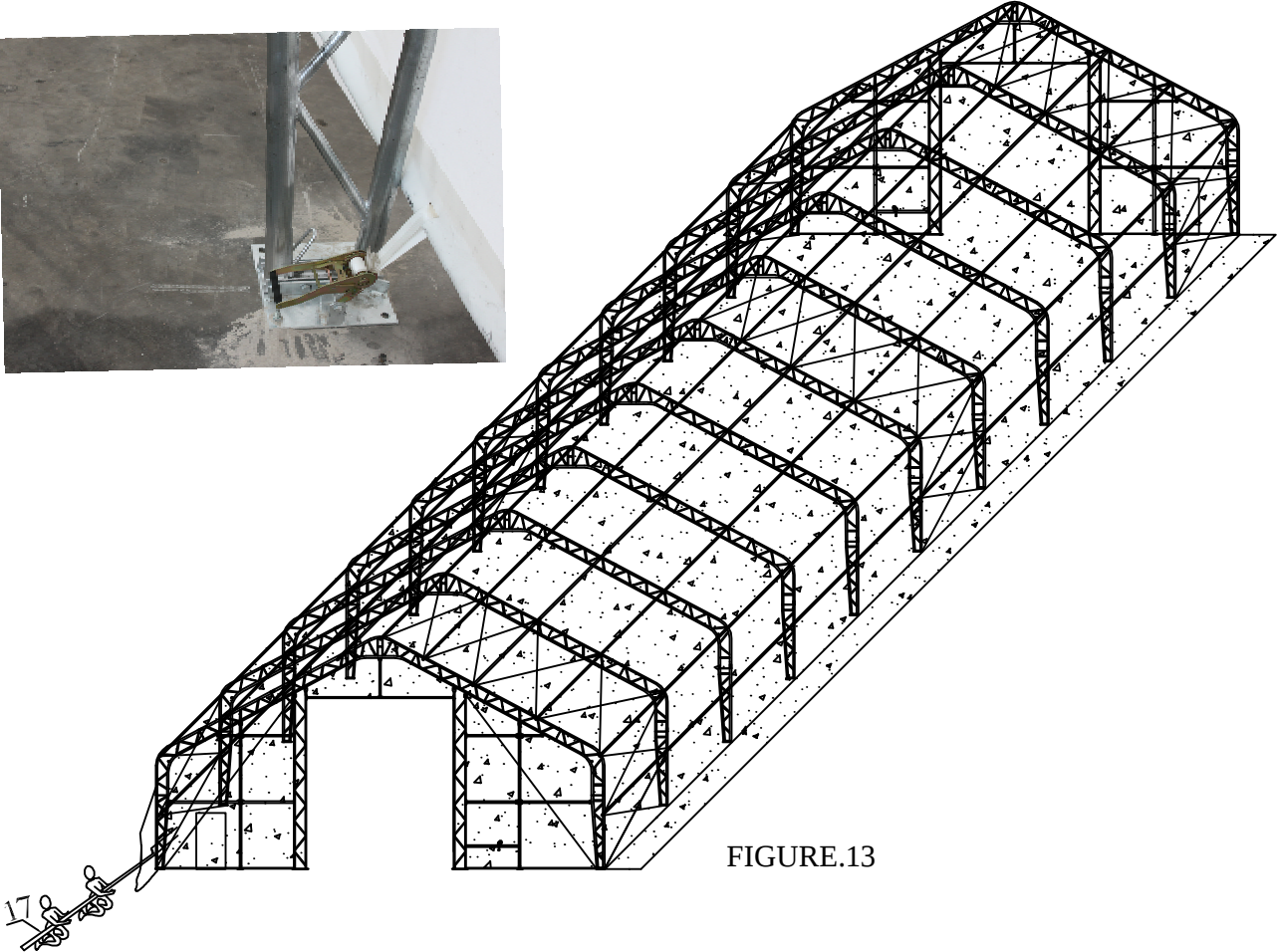


FIGURE.13

STEP-7 FEEDING NYLON BANDS INTO RATCHETS

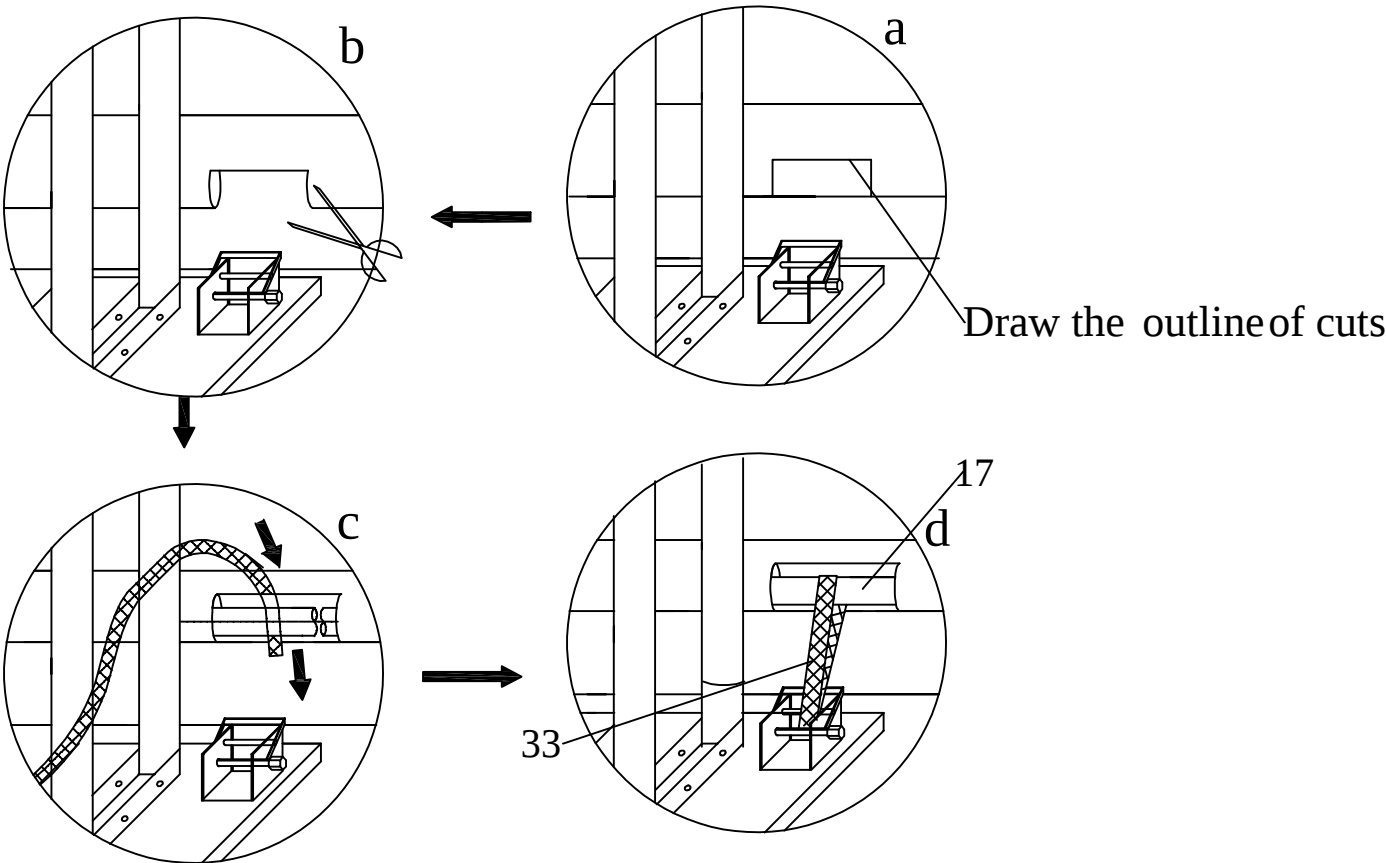


FIGURE.14

STEP-8 FASTENING ROOF COVER

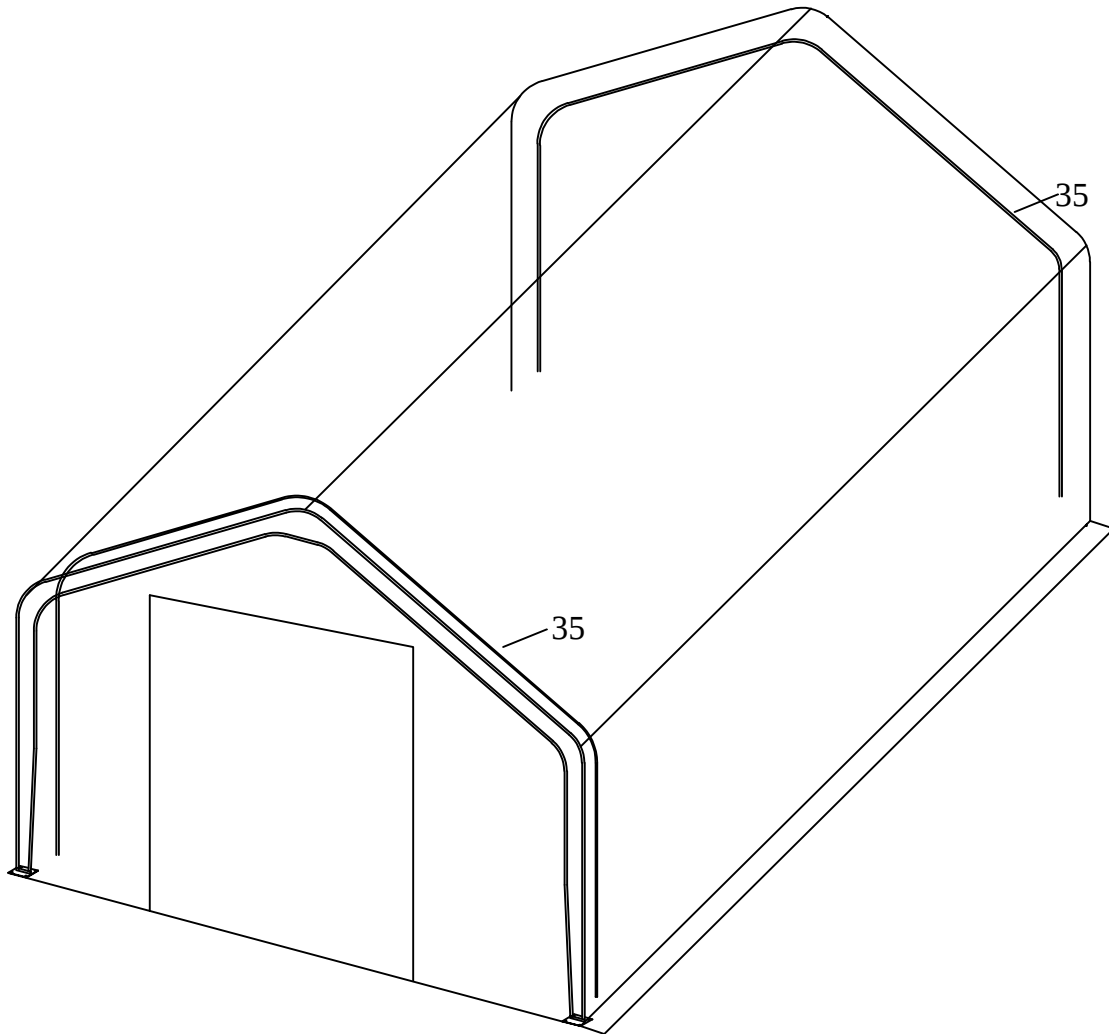
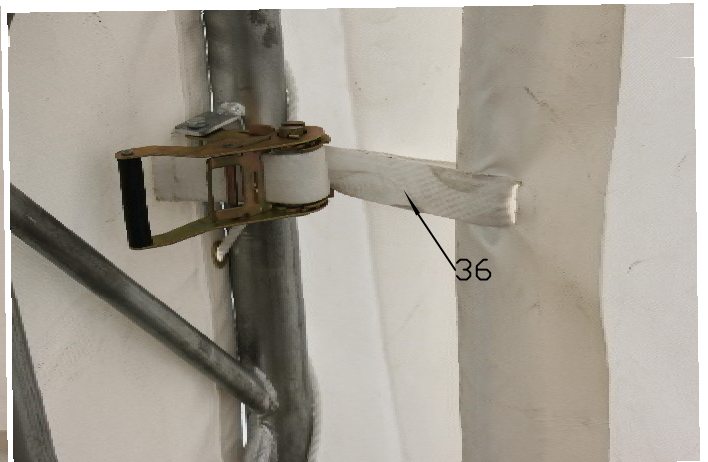
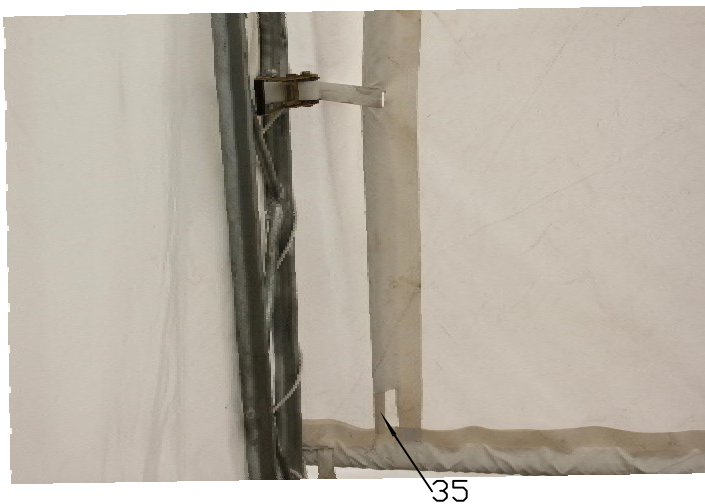
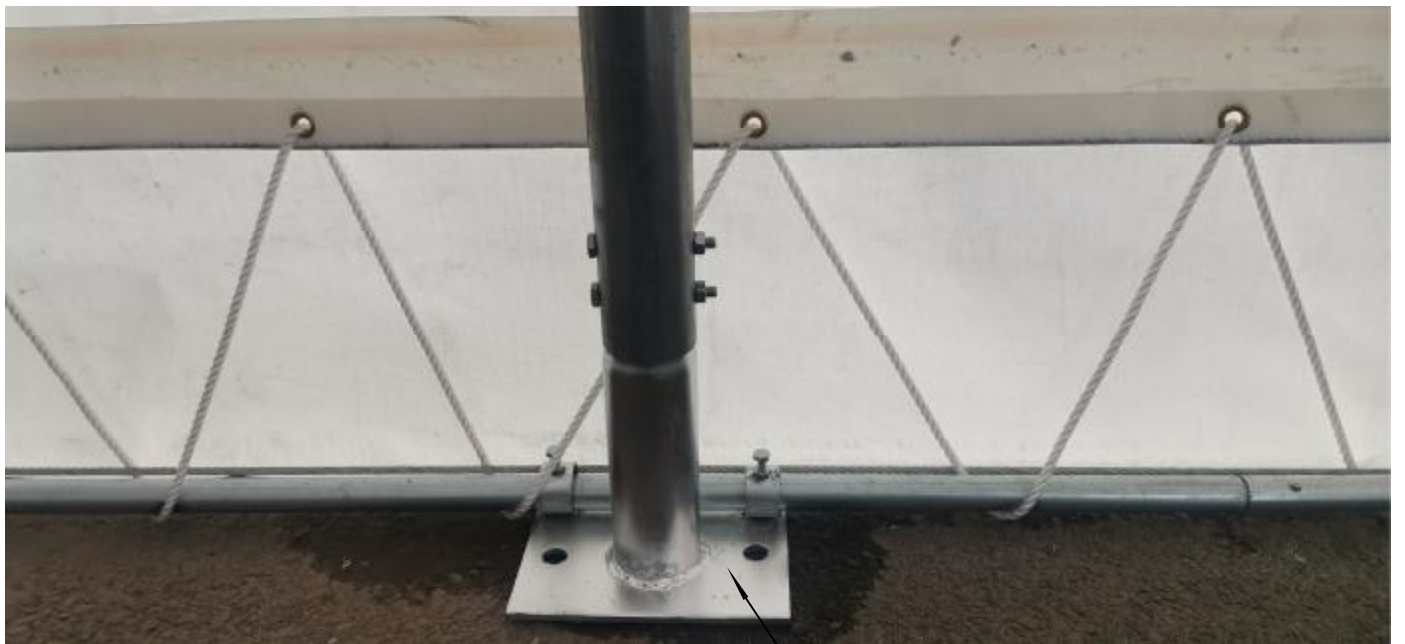


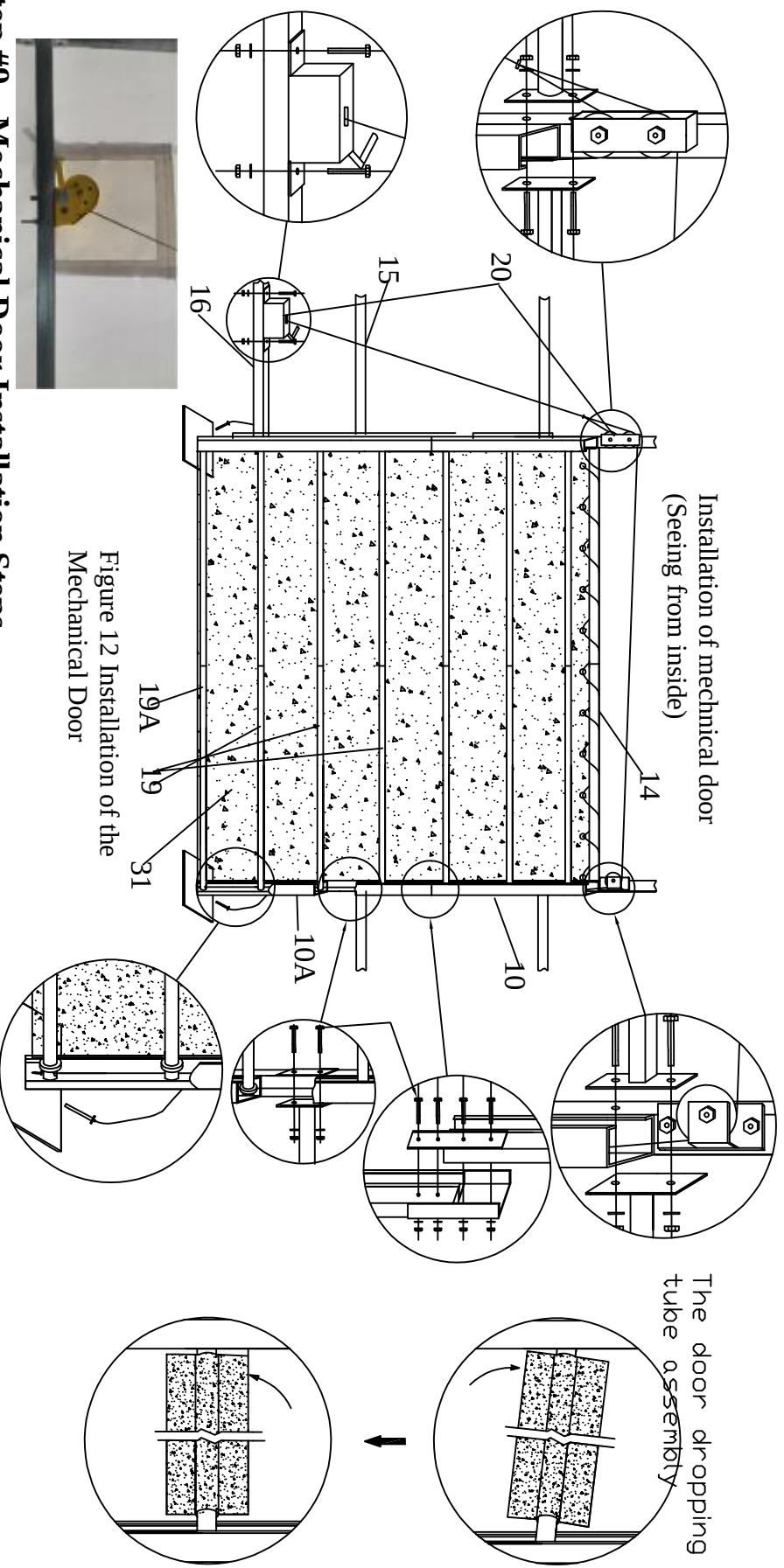
FIGURE.15

TIGHTEN THE POLYETHYLENE TUBES (#35) USING THE PRE-WELDED RATCHETS ON THE FRONT AND BACK TRUSS.





8A



Step #9 --Mechanical Door Installation Steps

1. Install Main Door Pulleys (left and right) over the Top of the Door on each side of the Door Beam (Part #14).
2. Next mount the Winch Mechanism to the Front Panel Lower Beam (Part #16).
3. Slide Bottom Door Dropping Tube (Part #19A) into the bottom horizontal fabric pocket on the Door Cover(Part #31). Then slide the six remaining Door Dropping Tubes (Part #19) into the remaining horizontal fabric pockets in the Door Cover.
4. From the bottom of the door tracks(10,10A), gently raise and slide one door dropping tube(19) into the tracks. And then feed the other remaining door dropping tubes(19,19A) into the door tracks.
5. Next install the steel wire that leads from the door winching assembly to the bottom of the door dropping tubes. The Winch Assembly has a long and a short steel cable secured to it. Feed the end of the shorter of the two cables through the lower roller of the double pulley at the top of the door assembly track closest to the Winch Assembly, and then down through the holes in the Bottom Door Dropping Tube (19A) on the left hand side of the door (facing from the inside). When the steel cable goes down through the hole in the Bottom Dropping Tube (19A), tie a knot in the steel wire so that it cannot pass back up through the hole.
6. From the Winch Assembly route leading end of the Longer Steel Cable through the Upper Roller of the double pulley on near door track and then through the Single Roller on the door track farthest from the Winch Assembly. Then down through the Bottom Door Dropping Tube (19A). When the steel cable goes down through the hole in the Bottom Door Dropping Tube (19A), tie a knot in the steel cable. Door can now be opened or closed by operating the Winch Assembly. Raise and lower the door several times to be certain door tube ends are not binding on track. Lubricate if necessary.