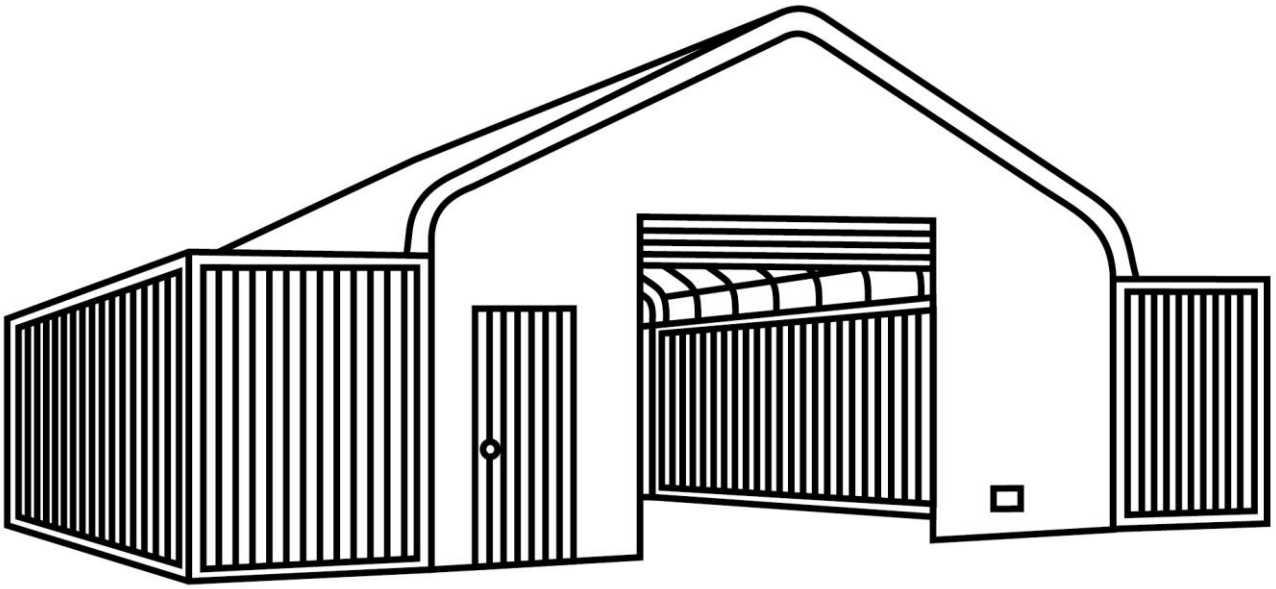
TMG INDUSTRIAL®

TMG-ST3041CG

PRODUCT MANUAL

v.2024.01.18

30’ X 40’ PVC FABRIC CONTAINER PEAK ROOF SHELTER PRO SERIES



⚠ WARNING

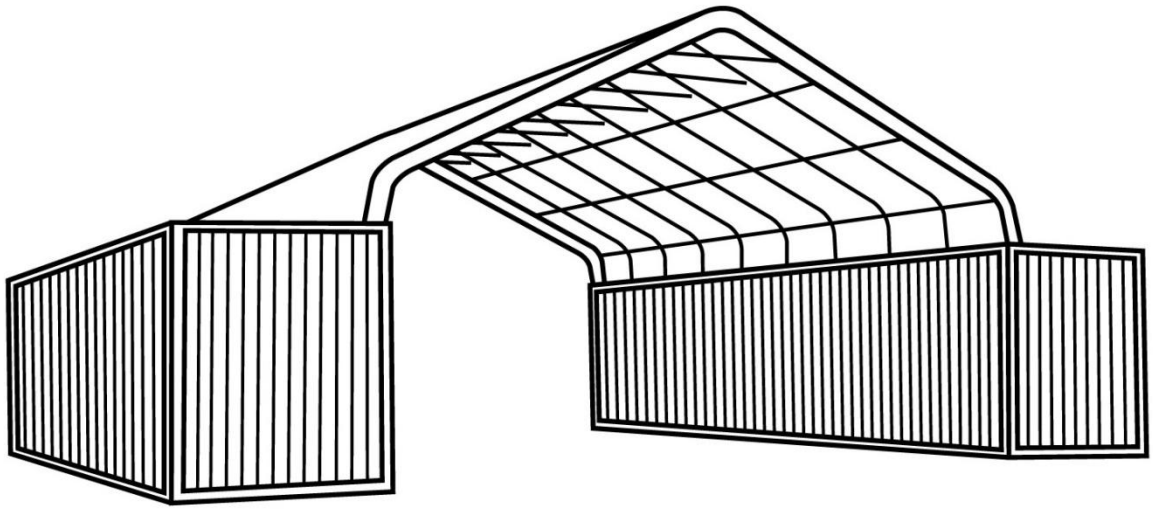
This structure is intended for temporary outdoor storage use only. It is not designed to withstand heavy snow and wind loads and does not come with engineering drawings. To ensure suitable for your specific weather needs, it is your responsibility to verify their appropriateness for your intended use and local weather conditions, especially in areas prone to severe weather.

- **Please read and understand the product manual completely before assembly**
- **Check against the parts list to make sure all parts are received**
- **Wear proper safety goggles or other protective gears while in assembly**
- **Do not return the product to dealer. They are not equipped to handle your requests.**

Missing parts or have questions on assembly?
Please call: 1-877-761-2819 or email: cs@tmgindustrial.com

ST3041CV

PVC FABRIC CONTAINER PEAK ROOF SHELTER PRO SERIES



MAIN SPECIFICATIONS :

- Overall assembled size : W9.15 x L12 x H3 (m) / 30 x 39.3x 9.84(ft)
- Ridge Peak Height : 3 m / 9.84ft + container height

PRIOR TO ASSEMBLY

Please read the instructions carefully before installation. It is very important to follow your local safety regulations and industry standards during installation. Regulations may include but are not limited to:

- Safety helmets, protective eyewear, and clothing.
- Safety harnesses for all elevated workers.
- Proper ladder, cage, and safety operation.

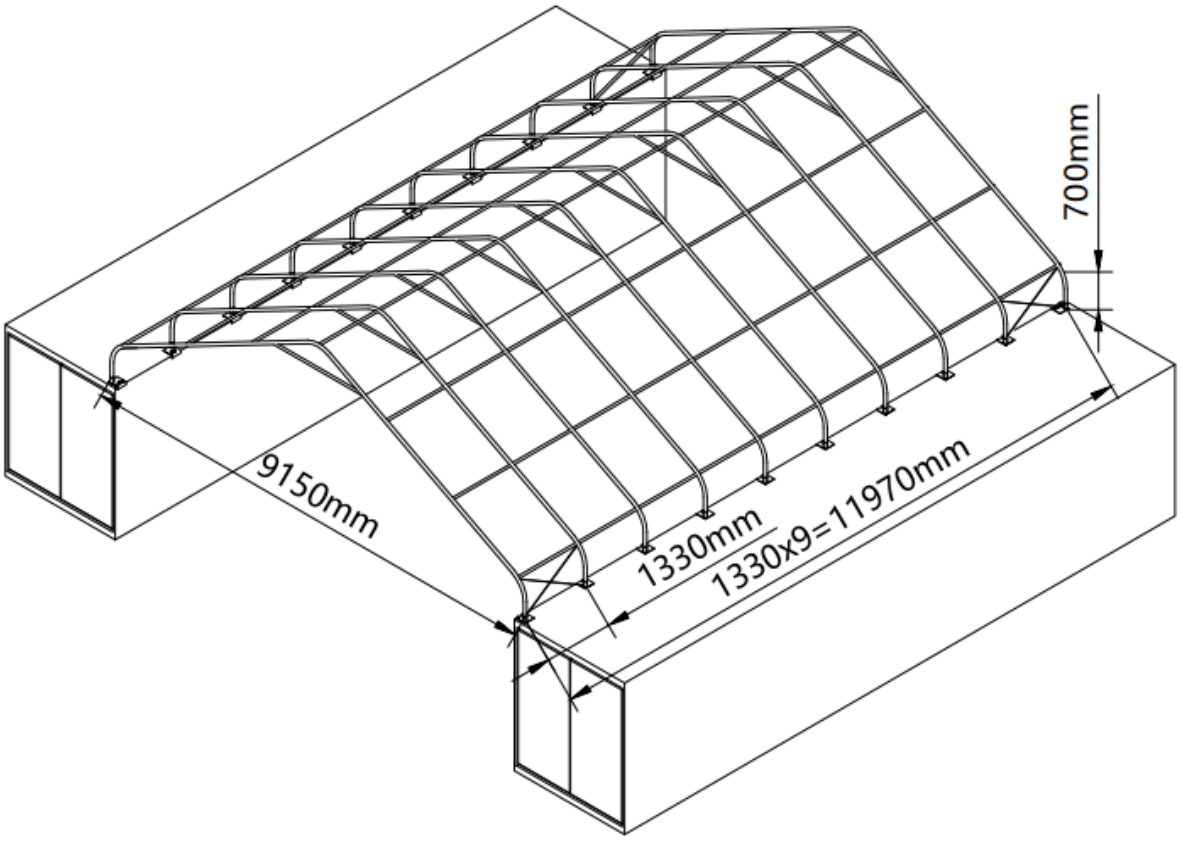
Check all components and parts before installation. All parts are marked with a part number, please refer to the parts list to make sure you have all parts.

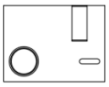
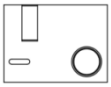
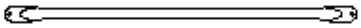
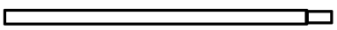
Choose a day with low or no wind to install, assembly is hard in heavy wind. Do not make any alterations to the structure. Do not hang any weights on the frame during installation, including parts. We are not responsible for any damages or injuries caused by inappropriate installation, unauthorized modifications or extreme weather.

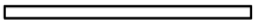
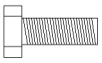
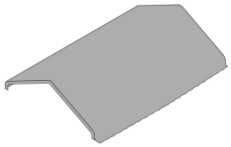
This building is not intended for human occupancy.

It is recommended to tape or add foam/rubber on the frame where joints connect and where it touches the cover. This will help extend the life span of the cover.

STRUCTURE DIAGRAM



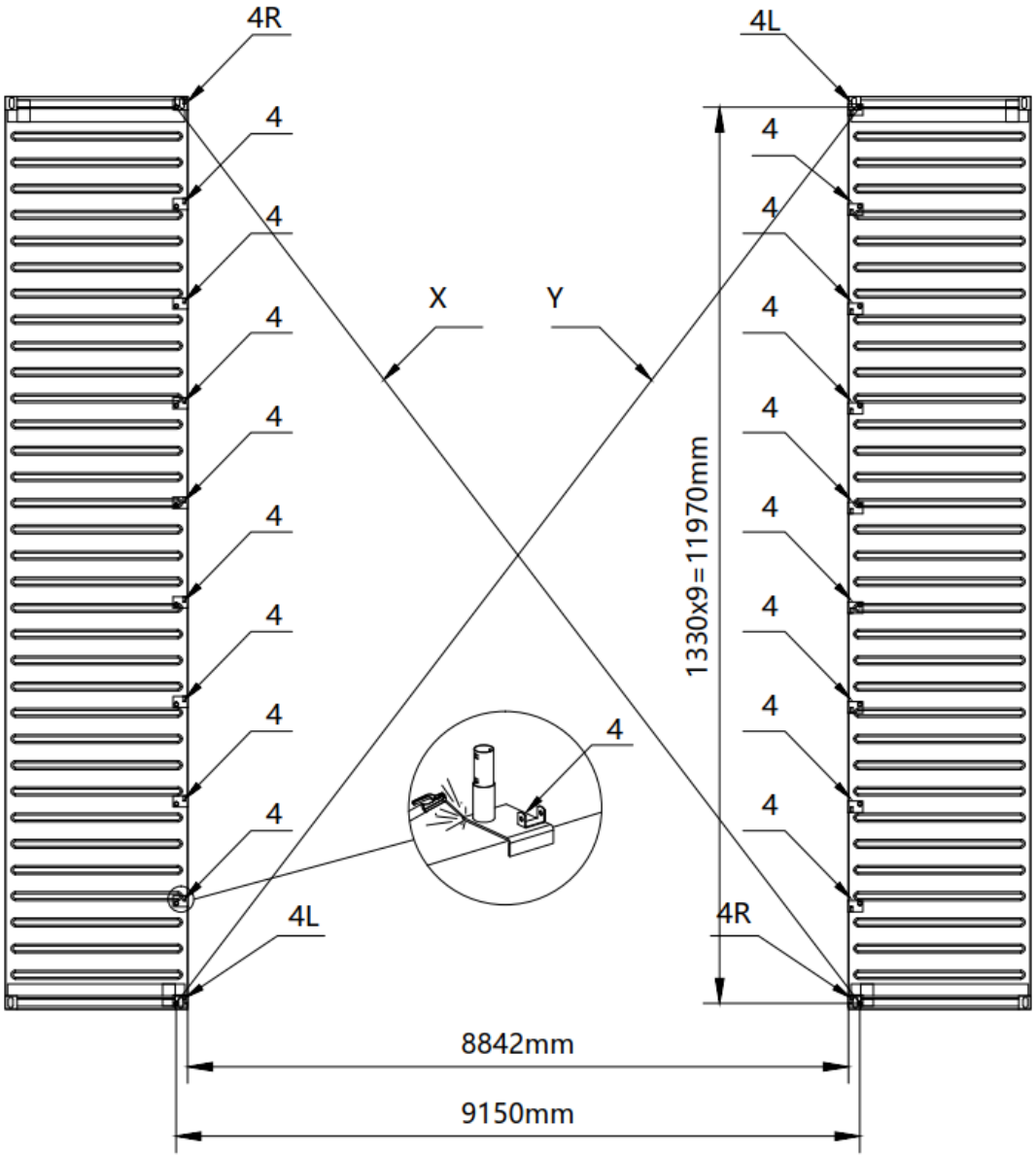
TMG-ST3041CV PART LIST				
NO.	PICTURE	DESCRIPTION	LENGTH	QTY
1		Peak arch tube	L1734mm	10
2		Middle rafter tube	L2890mm	20
3		Shoulder tube	L1784mm	12
3A		Shoulder tube	L1784mm	8
4		Middle truss baseplate	W150xL200mm	16
4L		Left corner baseplate (front and rear trusses)	W150xL200mm	2
4R		Right corner baseplate (front and rear trusses)	W150xL200mm	2
5		Roof purlin (horizontal tube)	L1268mm	63
5A		Middle truss connectors	W50xL180mm	112
5B		Front and rear connectors	W50xL121mm	14
5C		Self-tapping screws	#12x25mm	70
6		Ceiling cross bar	L2190mm	10
7		Sidewall frame steel tension cables	L1300mm	8
7A		Ratchet	2T	20
7B		Ratchet straps	W38xL800mm	20
8		Mounting base	W40xL100mm	8
9		Top cover tension tube (for both bottom sides)	L1993mm	12

9A		Top cover tension tube	L490mm	2
10		Self locking bolt and nuts	M8x60mm	126
11		Self locking bolt and nuts	M8x70mm	120
12		Hex bolt and nuts	M10x30mm	20
13		Top cover	W12130xL12620mm	1
14		Braided rope	φ8x80m	1
15		Scratch resistant tape	10m	2
16		Water plug	φ32	4

INSTALLATION STEPS

STEP 1 : REVIEW THE WHOLE STRUCTURE AND CHOOSE THE PROPER INSTALLATION SITE.

- Place the containers making sure they are parallel and the correct width apart. The center point of the round pipe of the base is the reference point, and the diagonal X and Y must be equal. The base plate shall be welded to the top of the container on the same horizontal plane to ensure that the welding is firm and reliable.

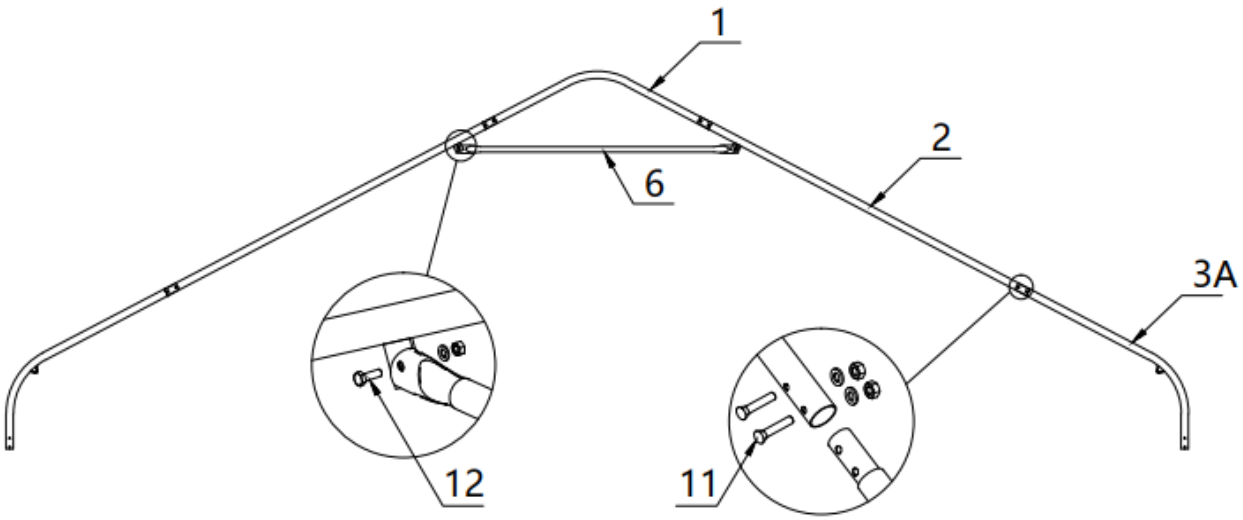


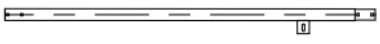
NO.	PART	QTY
4		16
4L		2

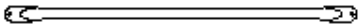
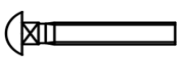
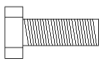
NO.	PART	QTY
4R		2

STEP 2 : CONNECT ALL TRUSSES.

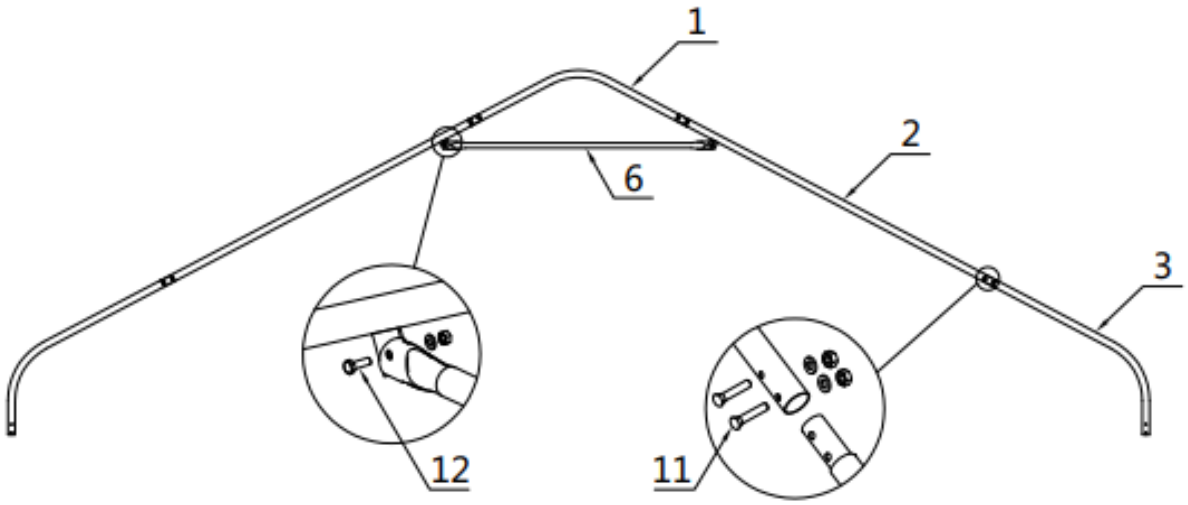
- Front and rear trusses (4 trusses).



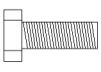
NO.	PART	QTY
1		1x4
2		2x4
3A		2X4

NO.	PART	QTY
6		1x4
11		8x4
12		2x4

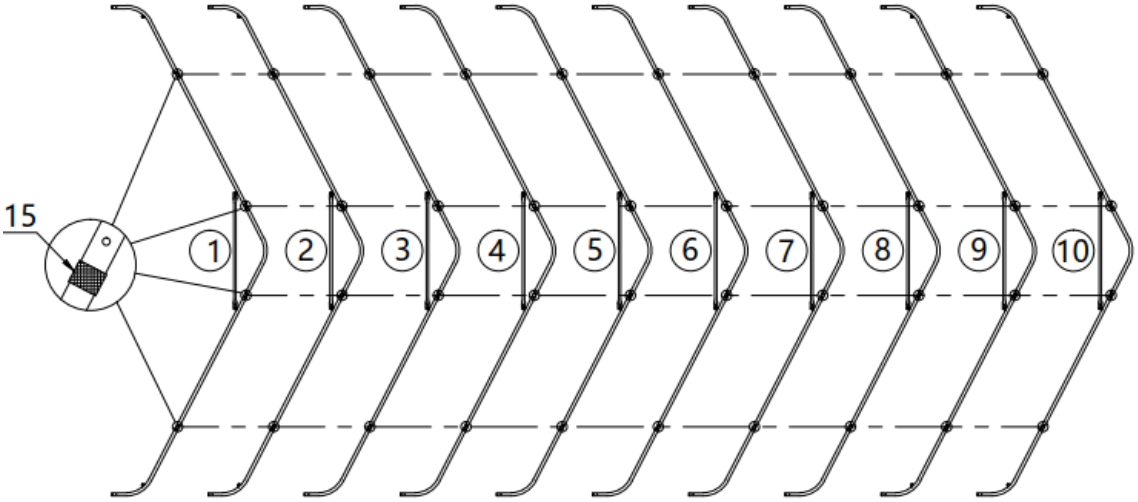
- Middle trusses (6 trusses).



NO.	PART	QTY
1		1x6
2		2x6
3		2X6

NO.	PART	QTY
6		1x6
11		8x6
12		2x6

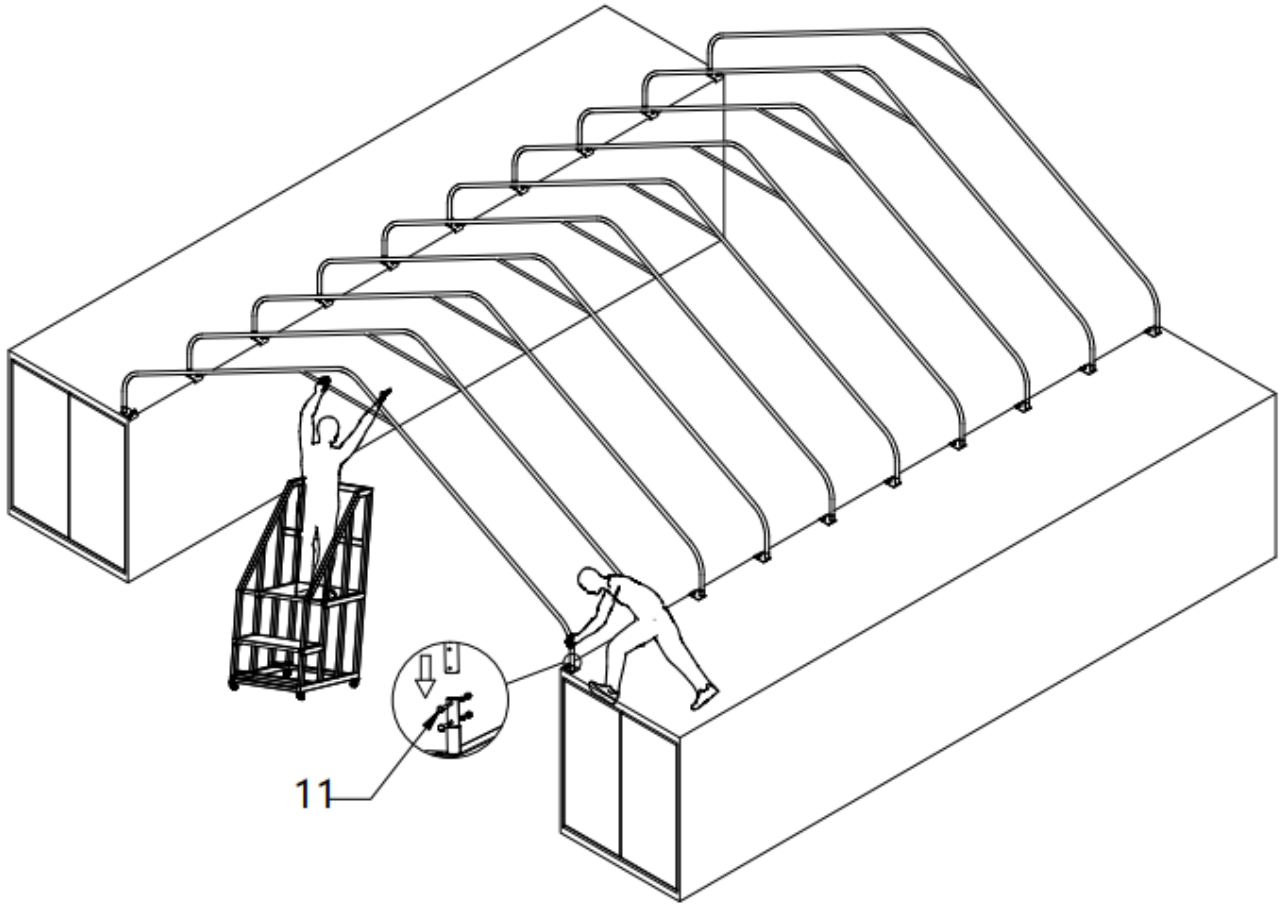
- Lay down all (10) trusses on the ground when the assembly is all completed and before moving to next step, and then wrap (#15) around the sharp points of the joint to avoid friction between the fabric and the interface, resulting in fabric damage.



NO.	PART	QTY
15		2

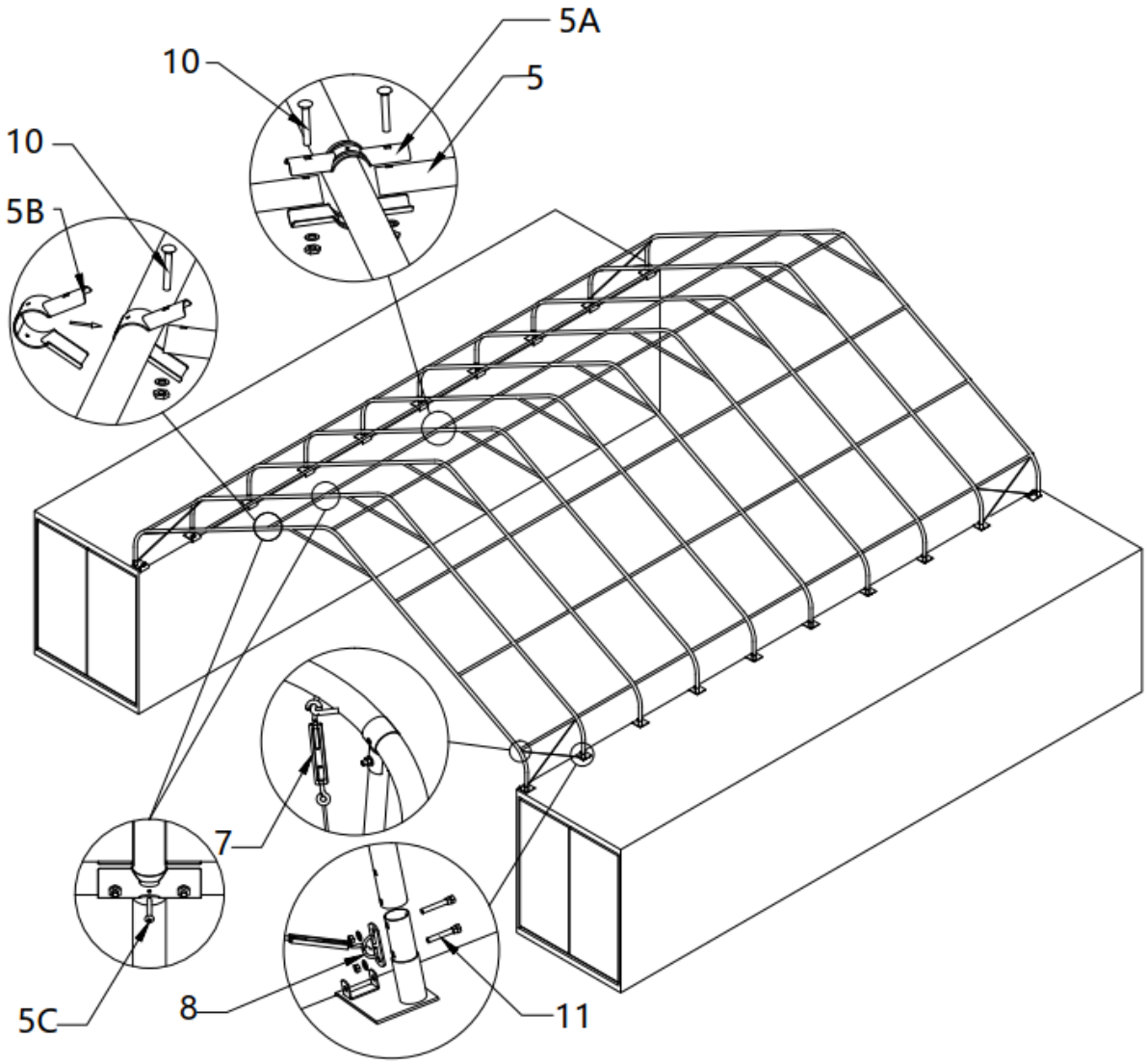
STEP 3 : PUT UP ALL TRUSSES.

- Install each truss on the base tube. Use hex bolt (#11) to secure the truss to the base tube firmly. We recommend to use a crane or forklift to lift the truss and have 2 to 3 people on site to work together. Please make sure it is safe and secure when installation is proceeding.



NO.	PART	QTY
11		40

STEP 4 : INSTALL CROSS TUBES AND WIRE ROPES.



NO.	PART	QTY
5		63
5A		112
5B		14
5C		70

NO.	PART	QTY
7		8
8		8
10		126

OVERALL STRUCTURAL INSPECTION.

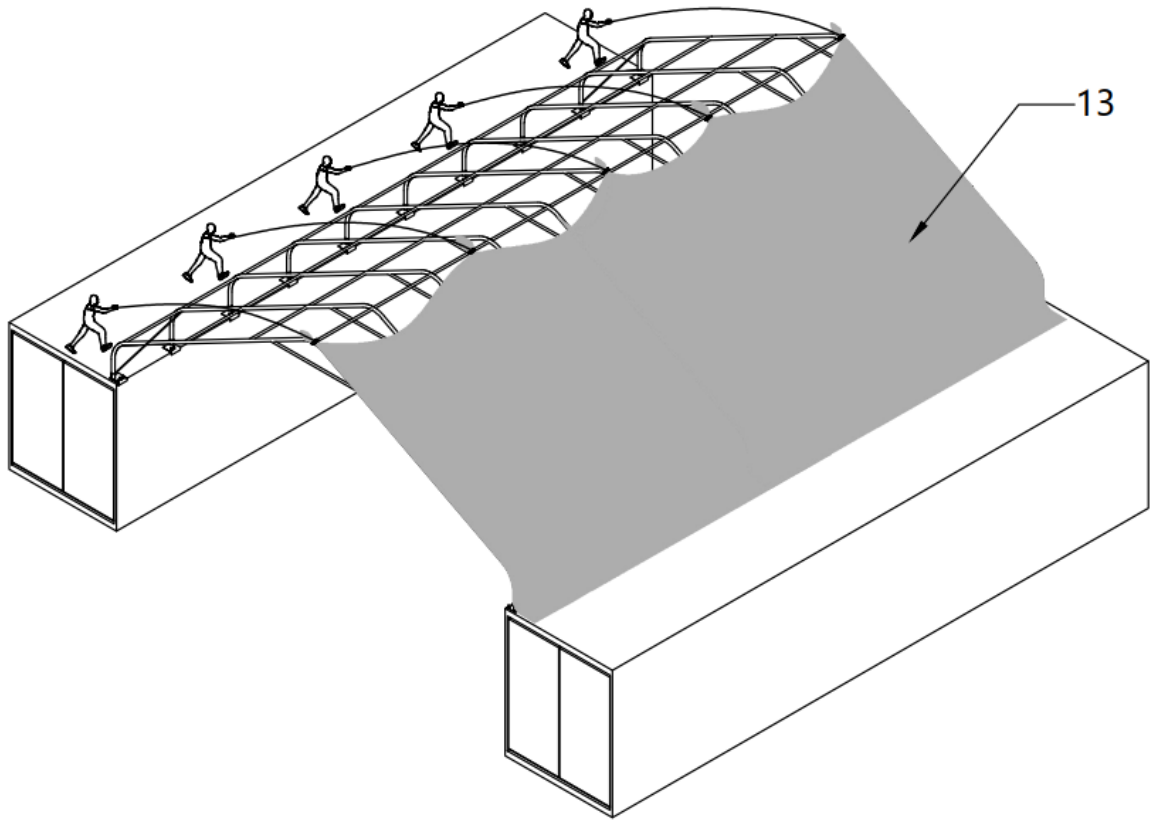
Check all components and trusses to ensure the entire structure is rectangular as specified in (picture1). All trusses must be 90 degrees straight up from the container.

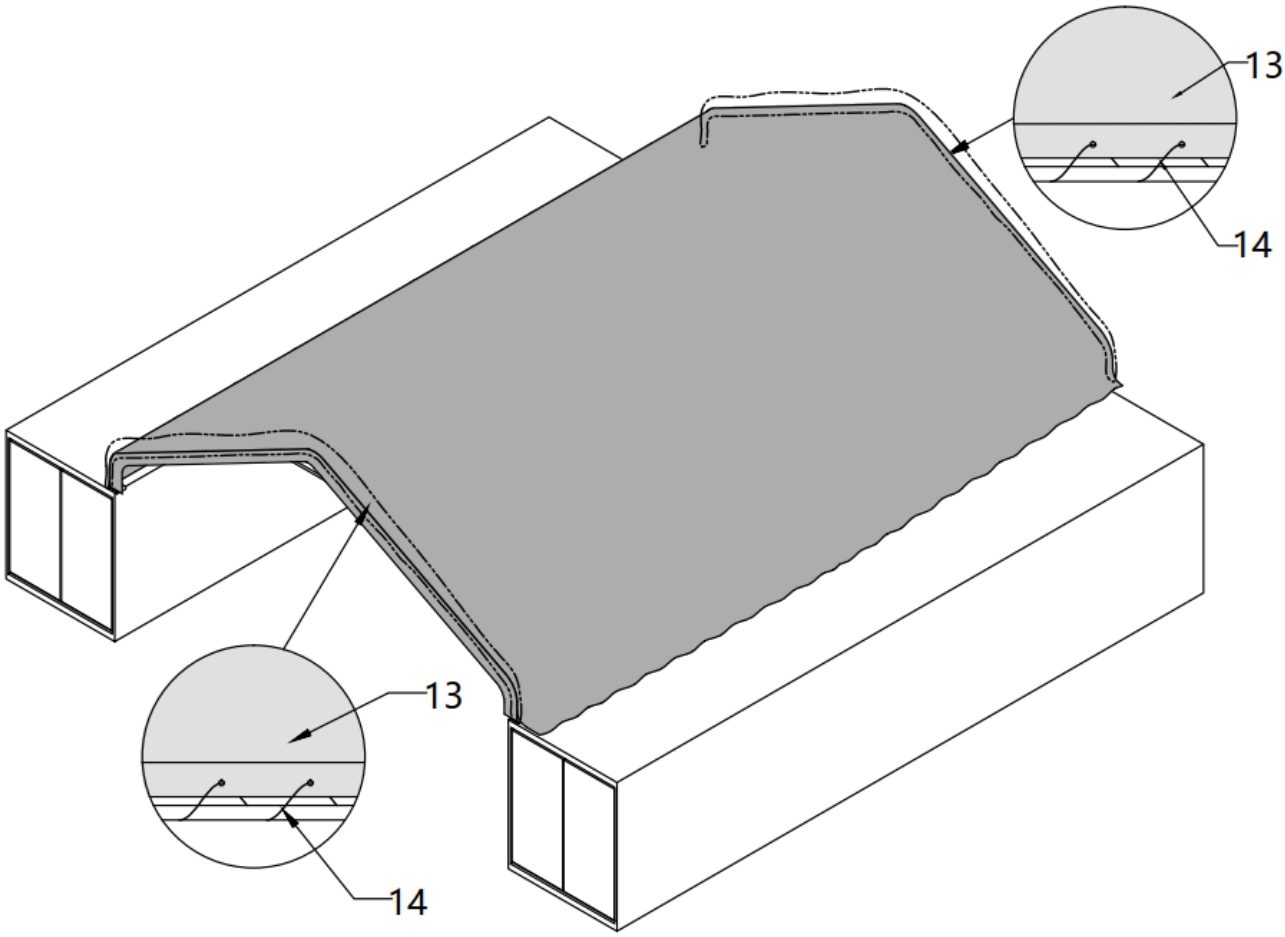
Secure and tighten all bolts and nuts on this step. But do not over tie! Otherwise you might damage the tubes or components.

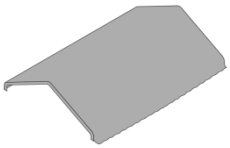
STEP 5 : INSTALL THE TOP COVER (#13) STRETCH AND TIGHTEN TOP COVER.

DO NOT INSTALL THE COVER DURING WINDY WEATHER!

- Stretch and adjust the cover from back and forth, to make sure it is square and centered.
- Unpack the top cover and place it along one of the long sides of the structure.
- Use 3 to 5 ropes (#14) to pull the cover over the top of the structure, from the inside 2 or 3 people standing inside on ladders to push upwards will help to move the cover without any damage.





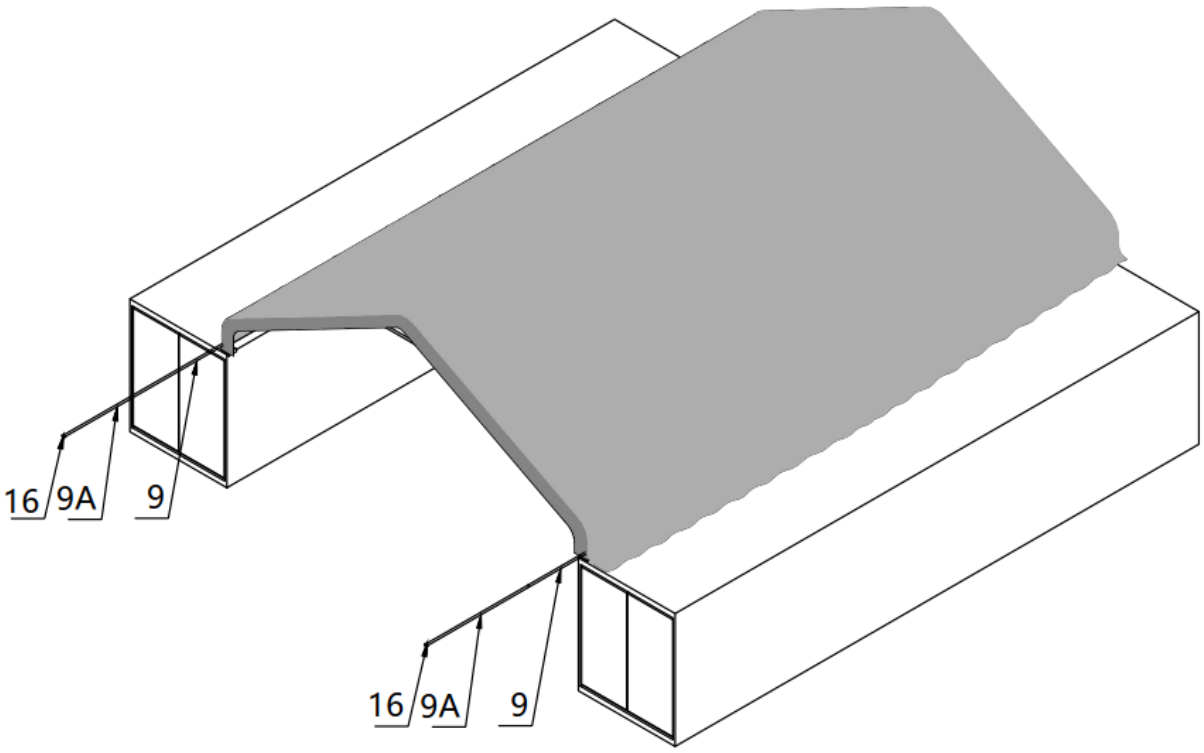
NO.	PART	QTY
13		1
14		60m

ROPE SHEAR SIZE		
14		QTY
14	15000mm	4

STEP 6 : TENSION THE COVER ON THE STRUCTURE FROM BOTH SIDES.

- Insert tension tubes (#9) slowly into the bottom groove pocket on both long sides. Add the water plug (#16) on the first tension tube to avoid tearing the fabric and add one to the end of last tube as well.

- Repeat the same step for the other side.

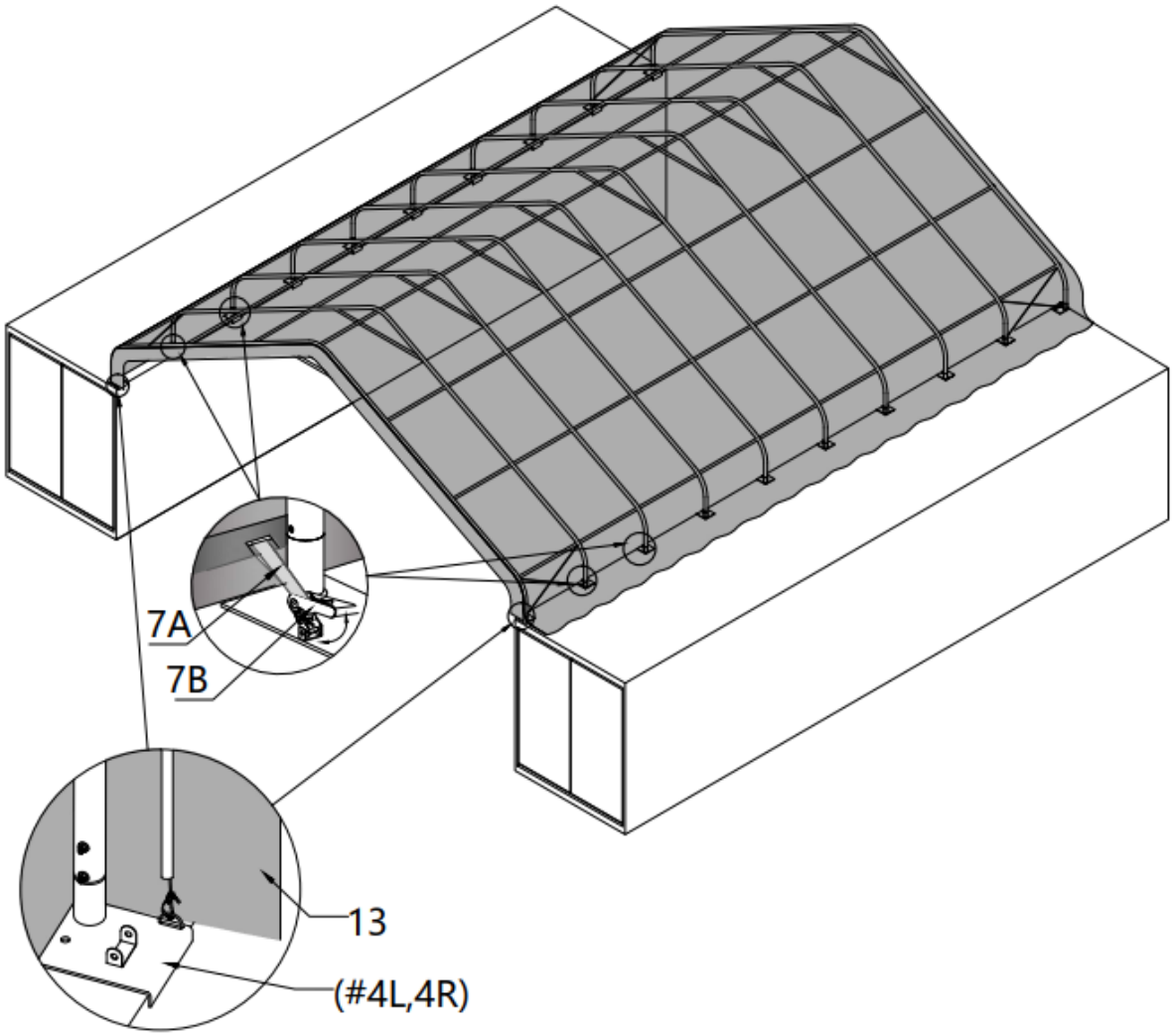


NO.	PART	QTY
9		12
9A		2
16		4

STEP 7 : INSTALL RATCHET STRAPS.

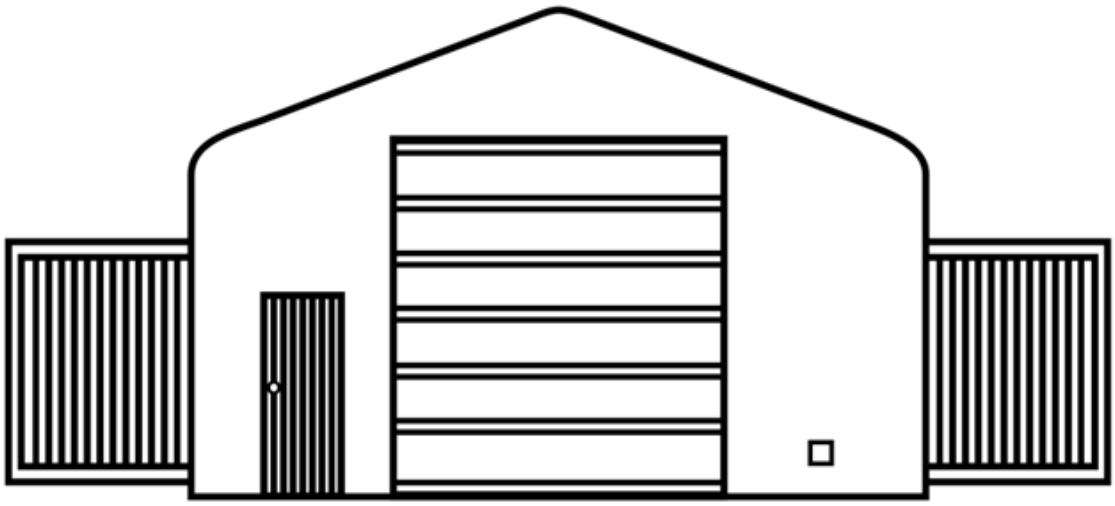
- Stretch and adjust the cover from left and right, back and forth, to make sure it is square and centered. Cut the groove pocket where it aligns with ratchet (#7A), and use strap (#7B) to pull tension tube (#9) toward the ratchet and secure it.

- Evenly adjust all ratchets on both sides to take wrinkles out and make the cover flat and smooth.



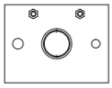
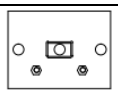
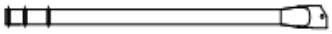
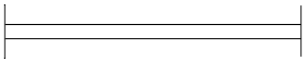
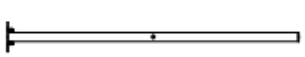
NO.	PART	QTY
7A		20
7B		20

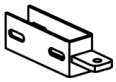
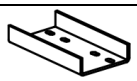
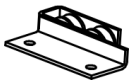
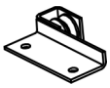
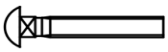
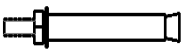
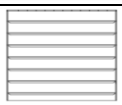
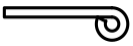
ST30FW9V 4OHQ FRONT OF CONTAINER MECHANICAL DOOR



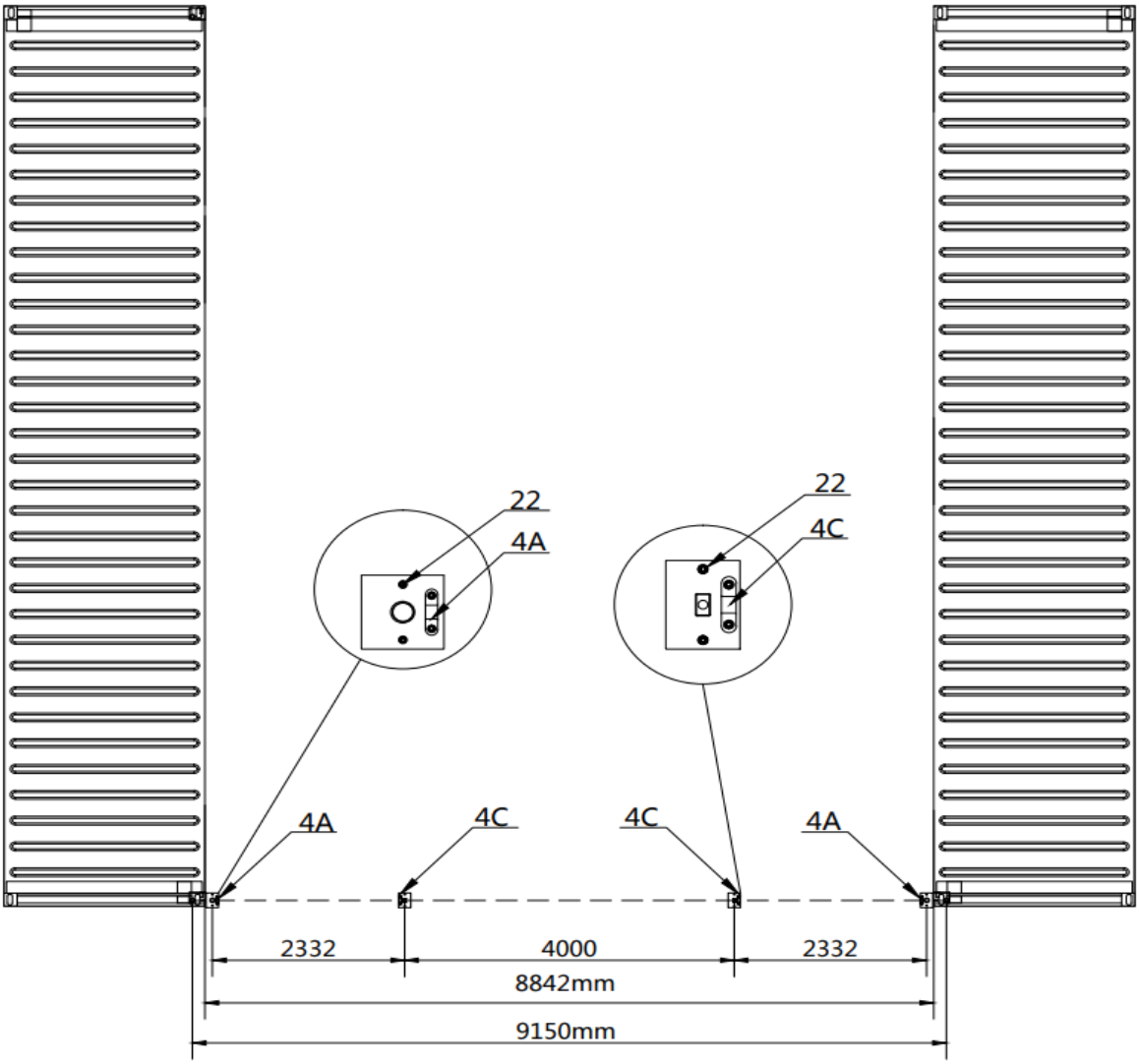
MAIN SPECIFICATIONS :

- Assembly size : W9.15 x H5.9 (m) / 30 x 19.4 (ft)
- Width : W9.15 (m) / 30 (ft)
- Height : H5.9 (m) / 19.4 (ft)
- door : 4x 4 (m) / 13.1 x 13.1 (ft)

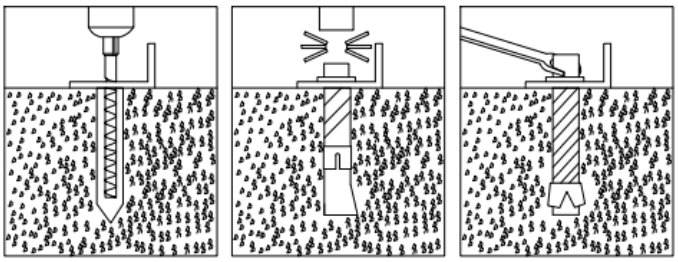
ST30FW9V PART LIST				
PARTS CODE	GRAPHICAL	DESCRIPTION	LENGTH	QTY
4A		Base plate	W150xL200mm	2
4C		Base plate	W150xL200mm	2
5C		Self-tapping screws	#12x25mm	80
6C		Vertical tube	L590mm	2
6D		Cross-draw tube	L2059mm	1
6E		Cross-draw tube	L1987mm	1
8B		Tube clamp	φ58	8
10G		Front lower columns	L1904mm	1
10H		Front upper columns	L1364mm	2
10I		Front lower columns	L1904mm	1
11B		Door frame horizontal tube	L2506mm	2
11C		Side door upper tube	L2299mm	1
11D		Door frame horizontal tube	L2295mm	1
11E		Door hand winch crossing tube	L2293mm	1
12		Cover tension tube	L2250mm	1
12B		Cover tension tube	L620mm	2
14		Side door	W925xL2005mm	1
14A		Side door right tube	L2027mm	1
14B		Side door left tube	L2027mm	1
15L		Vertical door rail (left side upper part)	L2503mm	1
15R		Vertical door rail (right side upper part)	L2503mm	1
16L		Vertical door rail (left side lower part)	L2388mm	1
16R		Vertical door rail (right side lower part)	L2388mm	1

17		Roll up door dropping tubes (to connect #17A)	L1998mm	7
17A		Roll up door dropping tubes (to connect #17)	L2111mm	7
18		Vertical door rail end plate (floatable to keep door rail straight)	L220mm	2
18A		Vertical door rail connection plate	L240mm	2
18B		Right pulley system for doors	L150mm	1
18C		Left pulley system for doors	L150mm	1
19		Pressing plate	L2000mm	6
19A		Pressing plate	L1000mm	1
20		Self locking bolt	M8x70mm	8
21		Hex bolt	M10x50mm	10
21A		Hex bolt	M10x70mm	30
21B		Hex bolt	M8x80mm	6
22		Expansion bolt	φ16x150mm	12
23		Braided rope	φ8x80m	1
25		Water plug	φ32	6
26		Cover panel	W6185xL9128mm	1
26A		Mechanical door cover plate	W3960xL4800mm	1
28		Fabric tarp secure pin	L200mm	2
29		Mechanical door manual winch	3T	1
29A		Wire rope for front door hand winch	φ4x11m	1
29B		Wire rope buckle	φ5	3

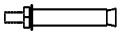
STEP 1 : BASEPLATE POSIT INSTALLATION.



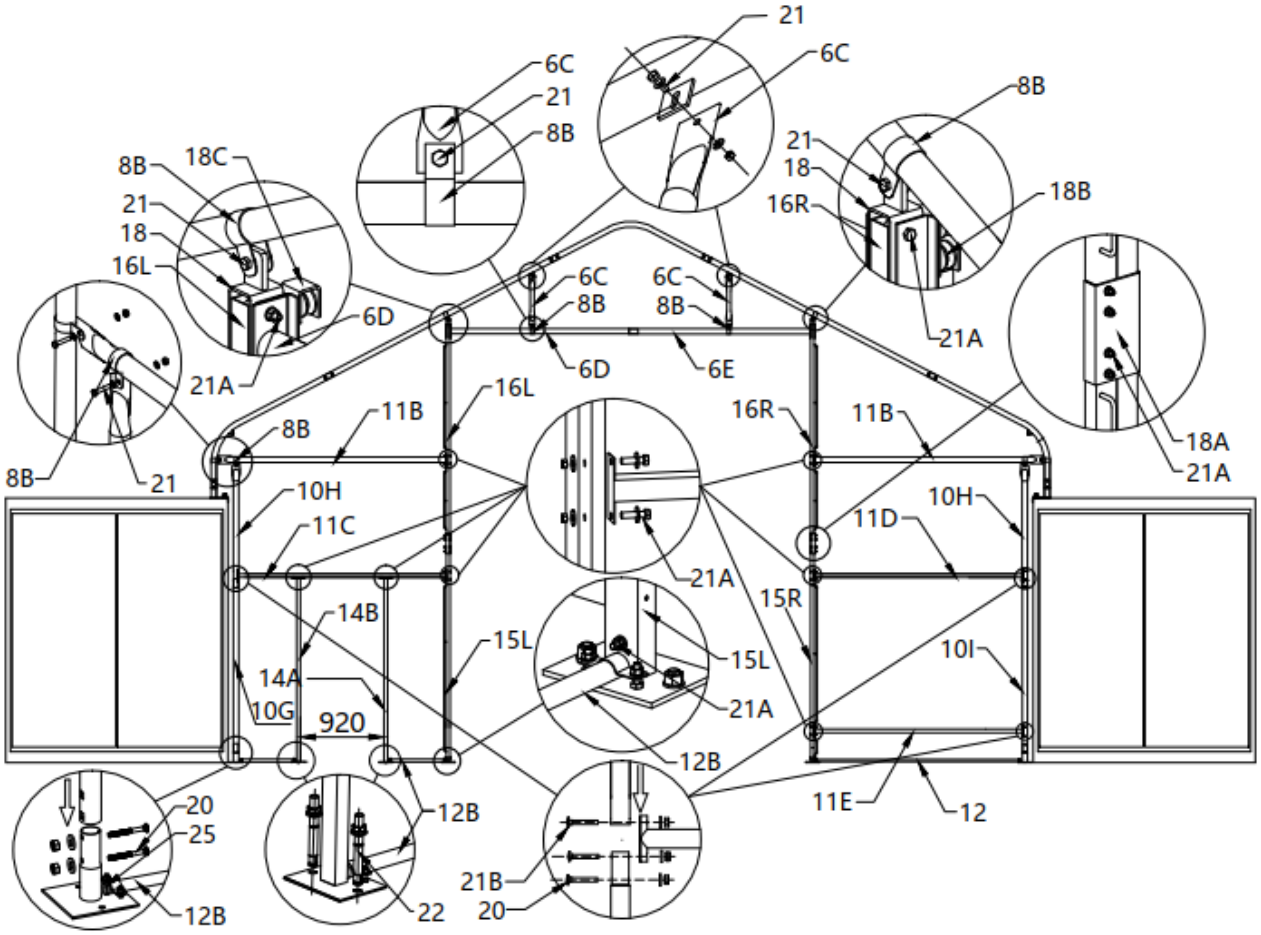
- Installation diagram of expansion bolt.



NO.	PART	QTY
4A		2
4C		2

NO.	PART	QTY
22		8

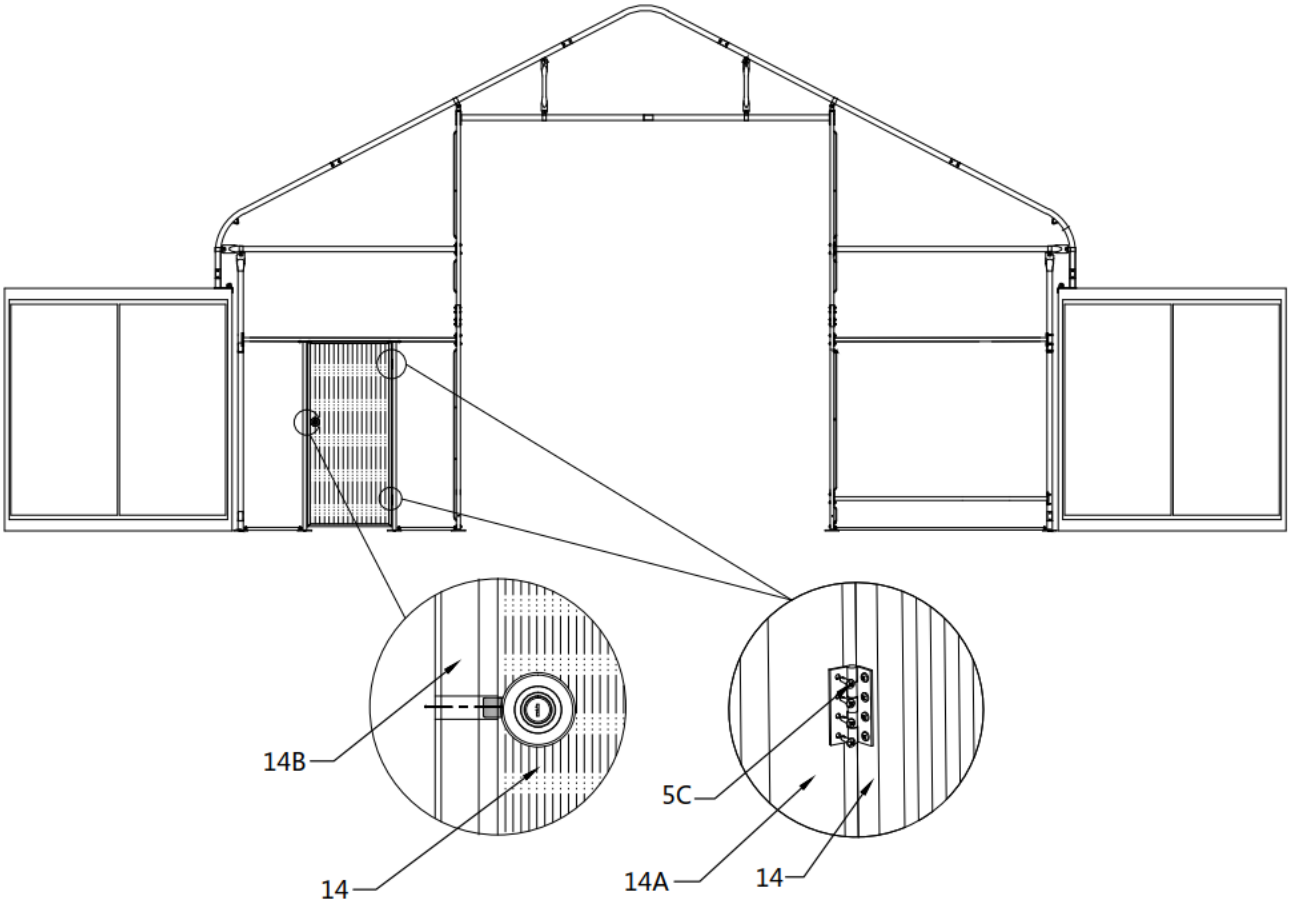
STEP 2 : MECHANICAL DOOR INSTALLATION.



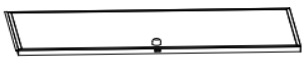
NO.	PART	QTY
6C		2
6D		1
6E		1
8B		8
10G		1
10H		2
10I		1
11B		2
11C		1
11D		1
11E		1
12		1
12B		2
14A		1

NO.	PART	QTY
14B		1
15L		1
15R		1
16L		1
16R		1
18		2
18A		2
18B		1
18C		1
20		8
21		10
21A		28
21B		6
22		4
25		6

STEP 3 : INSTALL SMALL SIDE DOORS.



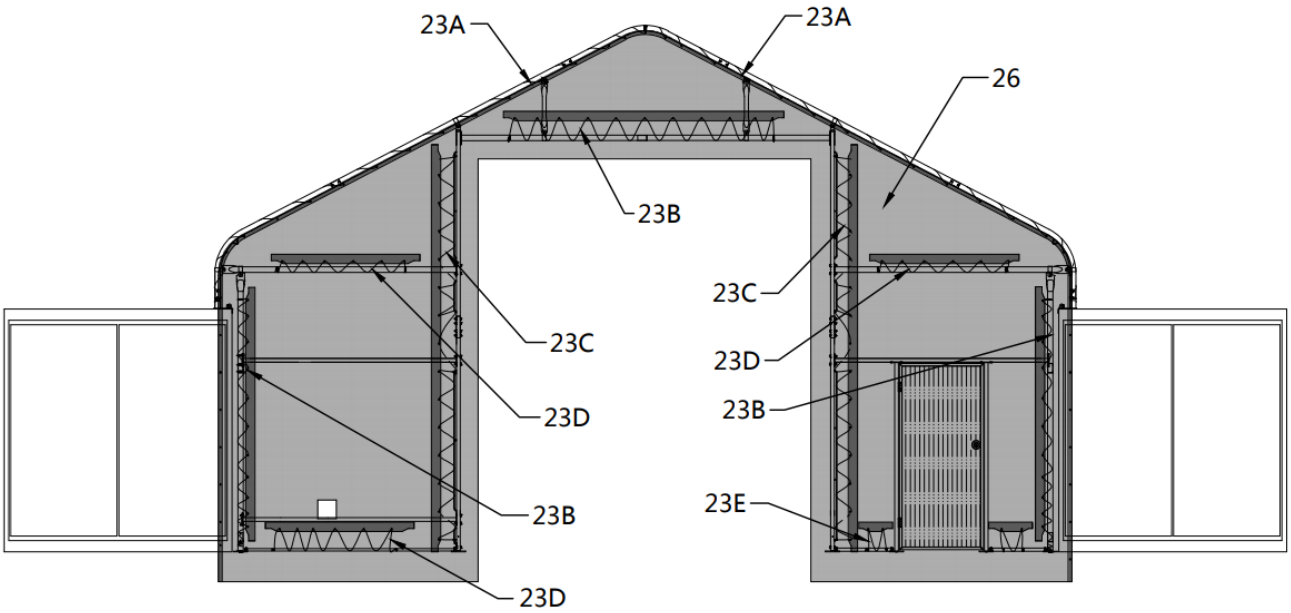
NO.	PART	QTY
5C		8

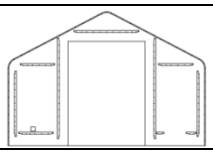
NO.	PART	QTY
14		1

STEP 4 : INSTALL FRONT COVER PANEL.

WHAT YOU SEE IN THIS PICTURE IS THE INSIDE!

- Lift up (#26) cover panels, starting from the center point of the frame (highest ridge point) use ropes (#23) through the grommets to tie the panel to the truss firmly. All grommets need to be tied to the frame.

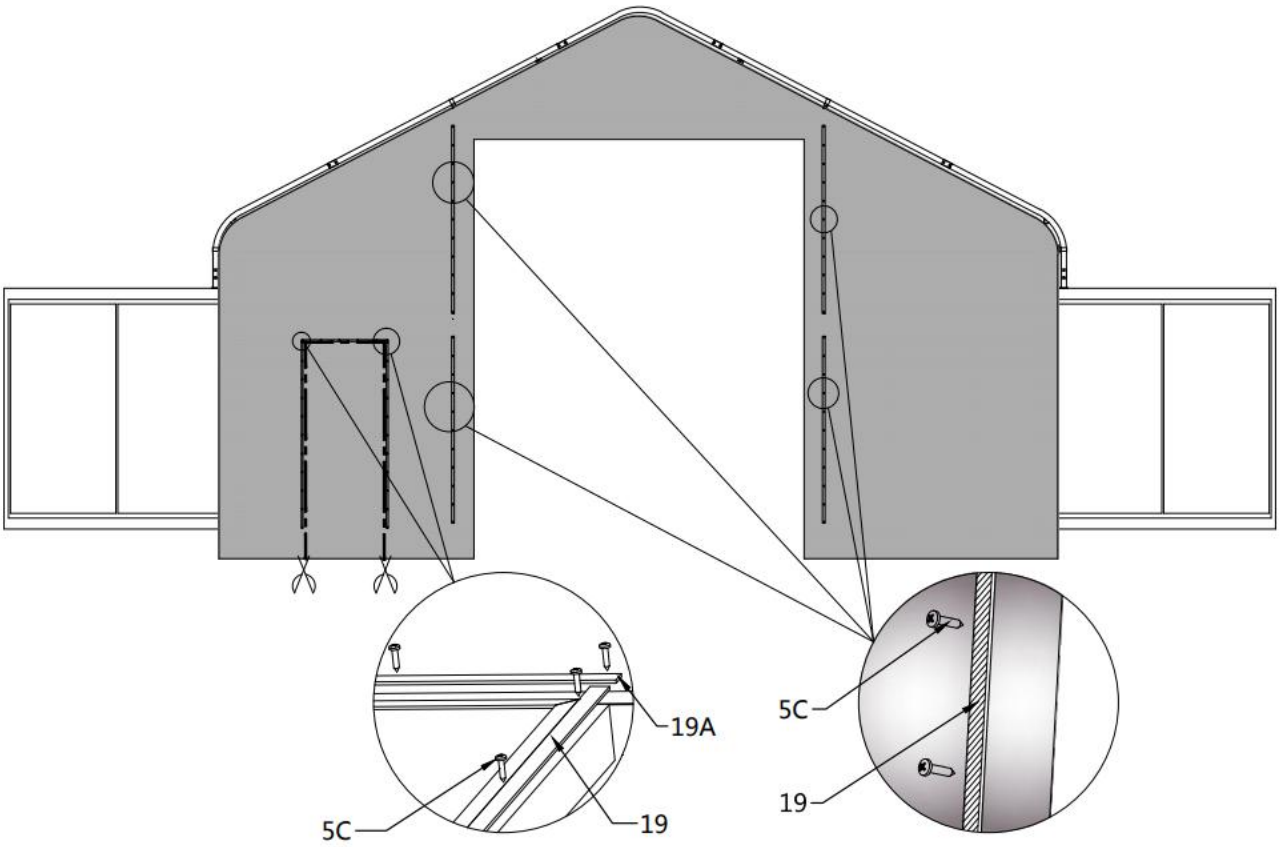


NO.	PART	QTY
26		1

ROPE SHEAR SIZE		
23		QTY
A	10m	2
B	5m	3
C	8m	2
D	3m	3
E	1.5m	2

STEP 5 : INSTALL THE BATTEN.

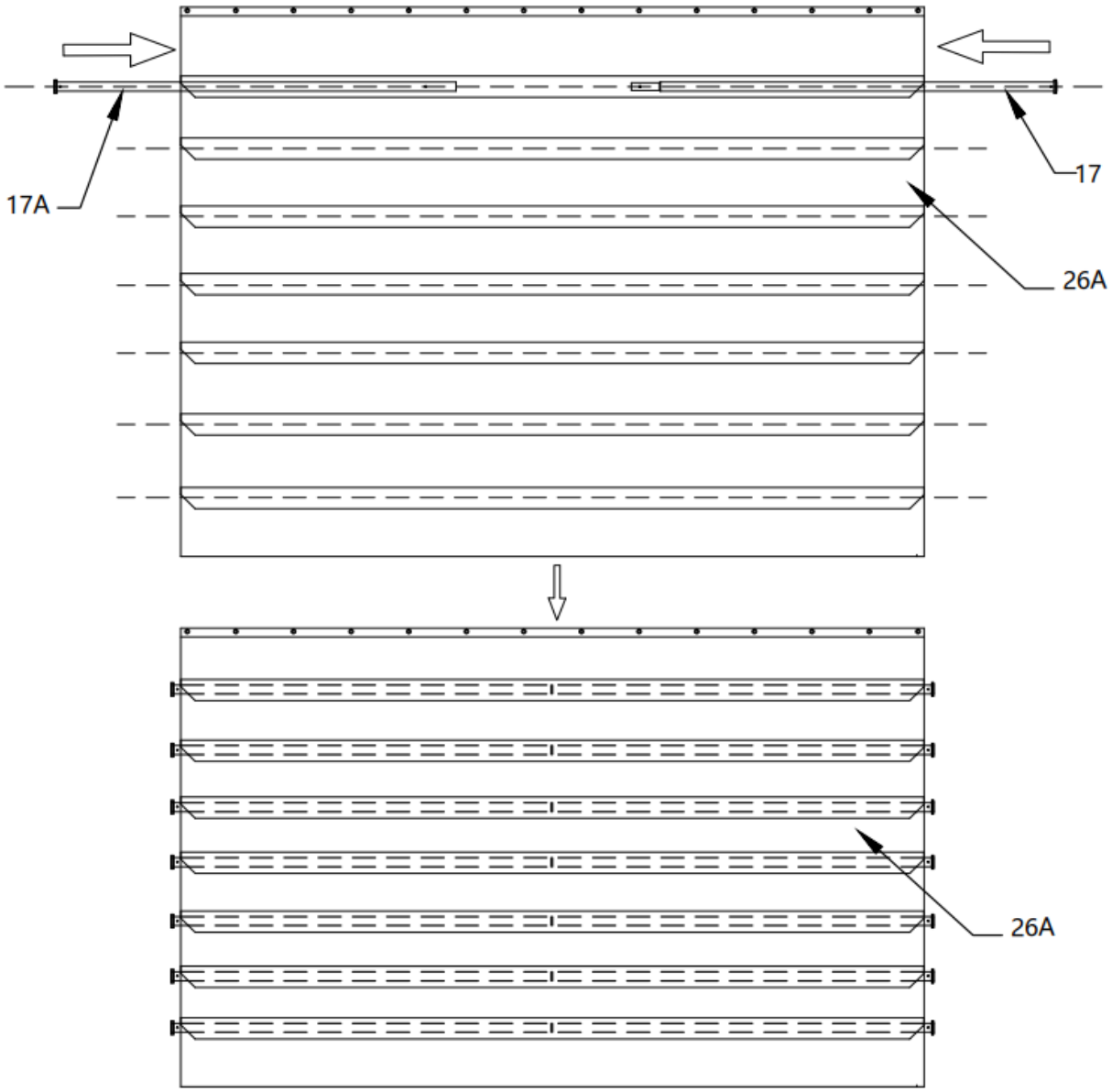
WHAT YOU SEE IN THIS PICTURE IS THE EXTERNAL!



NO.	PART	QTY
5C		72
19		6
19A		1

STEP 6 : MANUAL LIFT DOOR.

- Slide the bottom dropping tube (#17,#17A) into the bottom horizontal fabric pocket on door cover (#26A). Then slide the other six upper dropping tubes (#17,#17A) into other horizontal pockets.



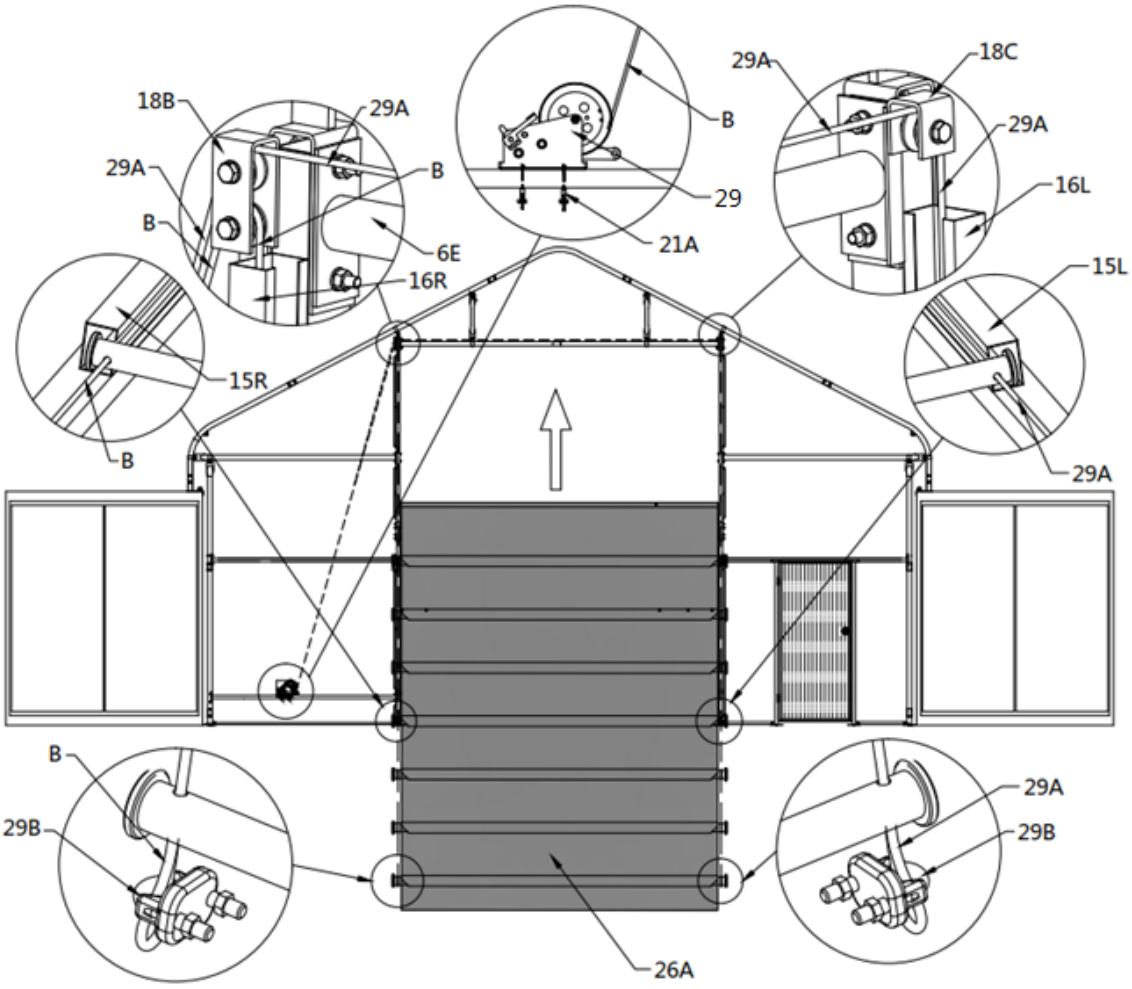
NO.	PART	QTY
17		7
17A		7
26A		1

- Components include : one hand winch (#29) and steel cables (#29A). The hand winch comes with a shorter cable, we call it cable B.

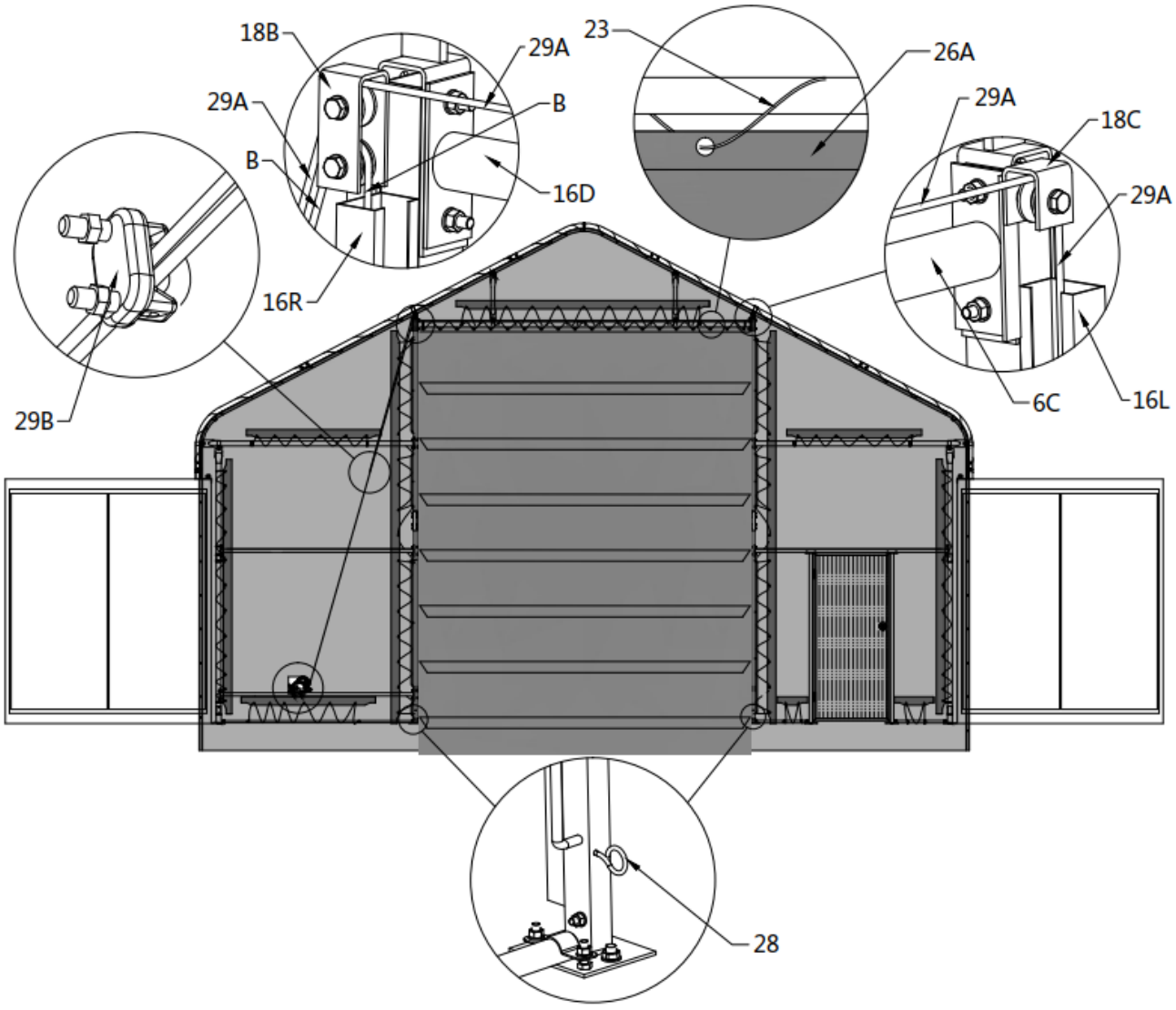
- From the bottom door rails (#15L,#15R), slowly put the first dropping tube (#17,#17A) into the rail, then put the others (#17, #17A) into the door rails.

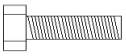
- Pull cable B from the winch to run through the lower roller of the dual pulley (#18B), go straight down at the left side, reach to the left end of dropping tube (#17A). Tie the cable to the end hole.

- Connect cable (#29A) to the winch and pull it to run through the upper roller of the dual pulley (#18B), reach through the single pulley (#18C), then go straight down to the right end of dropping tube (#17). Tie the cable to the end hole.



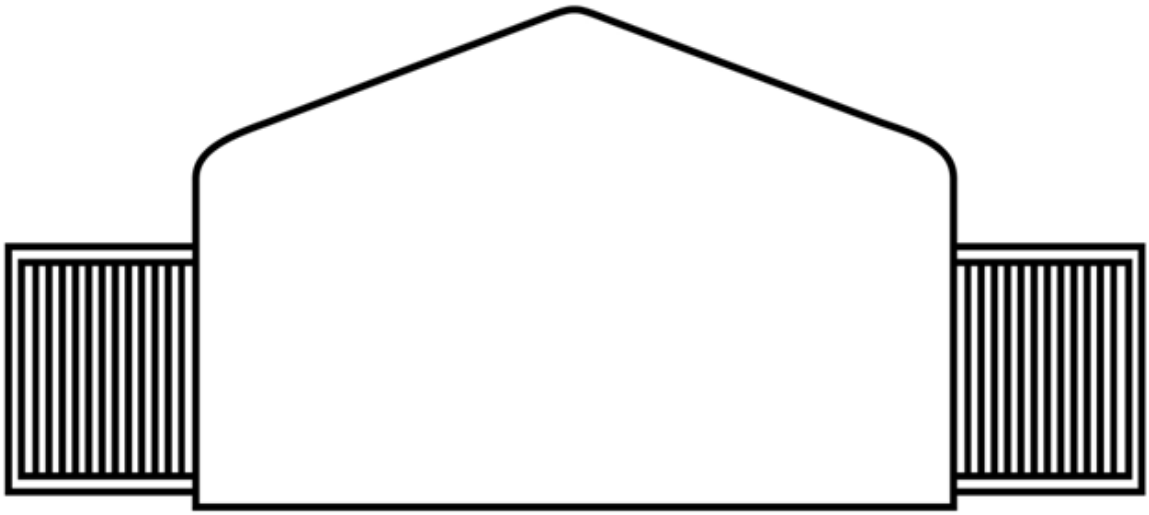
- Now the door can be opened or closed by operating the winch assembly. Run the door up and down a few times to make sure all dropping tubes are moving smooth. Use lubricant oil if needed.



NO.	PART	QTY
21A		2
23		6m
28		2

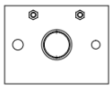
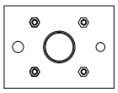
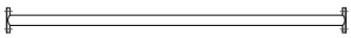
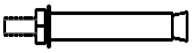
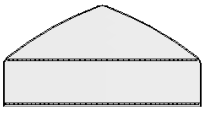
NO.	PART	QTY
29		1
29A		1
29B		3

ST30BW9V 4OHQ CONTAINER BACKWALL

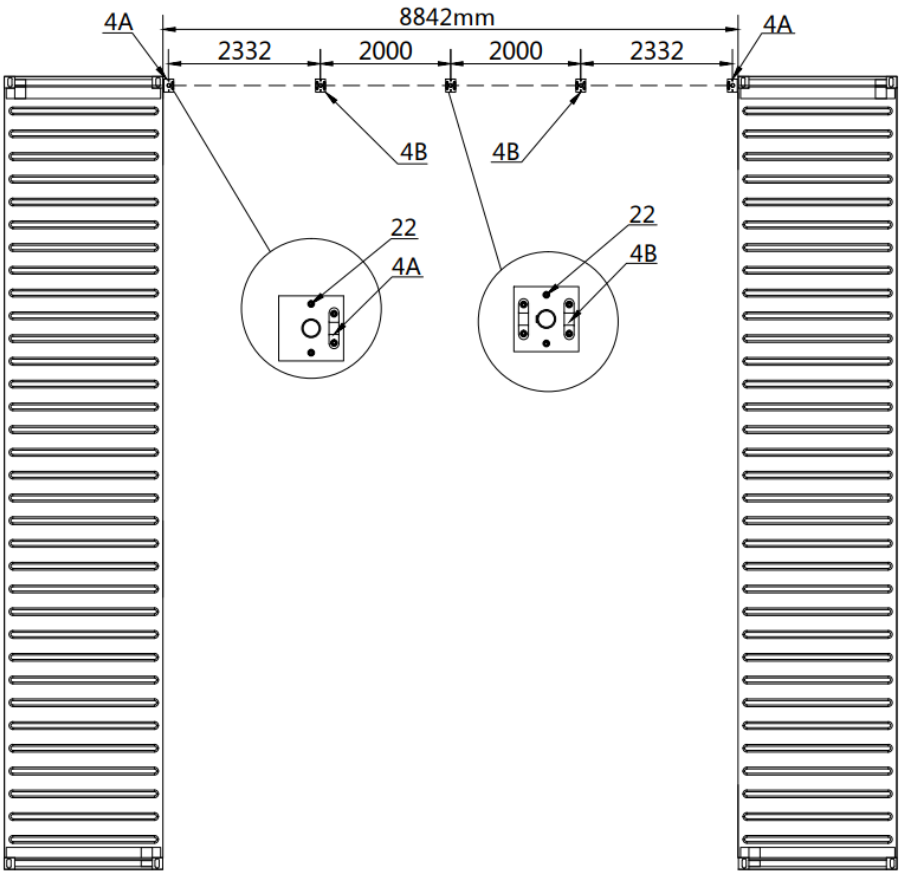


MAIN SPECIFICATIONS :

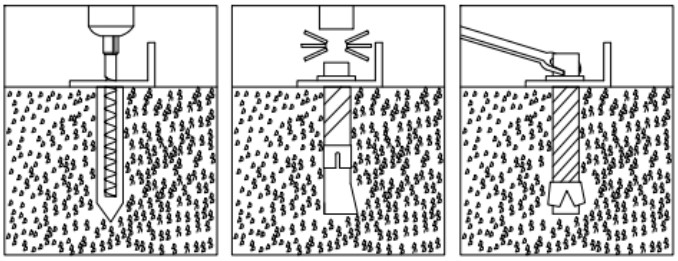
- Assembly size : W9.15 x H5.9 (m) / 30 x 19.4 (ft)
- Ridge height : 5.9m / 19.4 ft

TMG-ST30BW9V PART LIST				
PARTS CODE	GRAPHICAL	DESCRIPTION	LENGTH	QTY
4A		Base plate	W150xL200mm	2
4B		Base plate	W150xL200mm	3
8A		Tube clamp	φ42	1
8B		Tube clamp	φ58	6
10		Rear lower columns	L2775mm	3
10D		Rear upper columns	L2085mm	2
10E		Rear columns	L2506mm	1
10F		Rear upper columns	L1364mm	2
10G		Front and rear lower columns	L1904mm	2
11		Door frame upper tube	L2512mm	2
11A		Door frame upper tube	L1970mm	2
12		Cover tension tube	L2250mm	2
12A		Cover tension tube	L1910mm	2
20		Self locking bolt	M8x70mm	20
21		Hex bolt	M10x50mm	7
21B		Hex bolt	M8x80mm	6
22		Expansion bolt	φ16x150mm	10
23		Braided rope	φ8x60m	1
25		Water plug	φ32	8
27		Rear cover panel	W6185xL9128mm	1

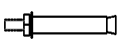
STEP 1 : BASEPLATE POSIT INSTALLATION.



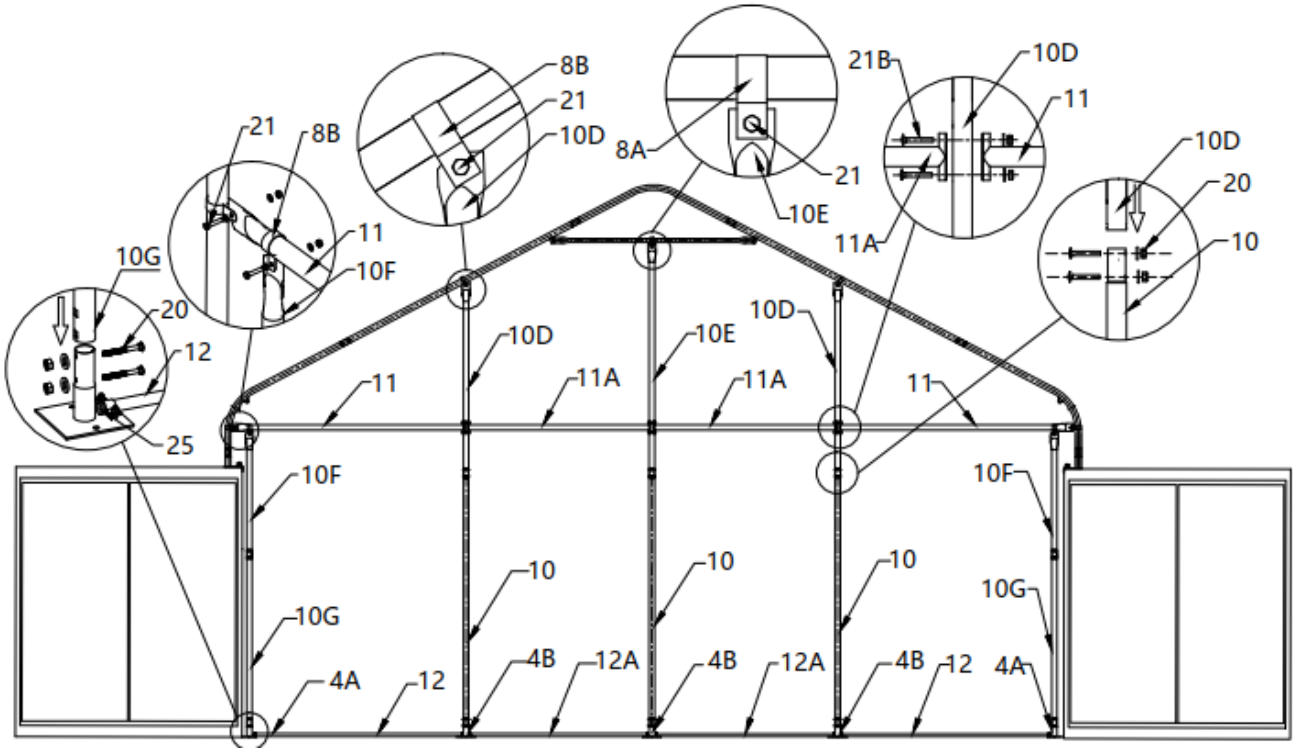
- Installation diagram of expansion bolt.



NO.	PART	QTY
4A		2
4C		3

NO.	PART	QTY
22		10

STEP 2 : WALL FRAME INSTALLATION.



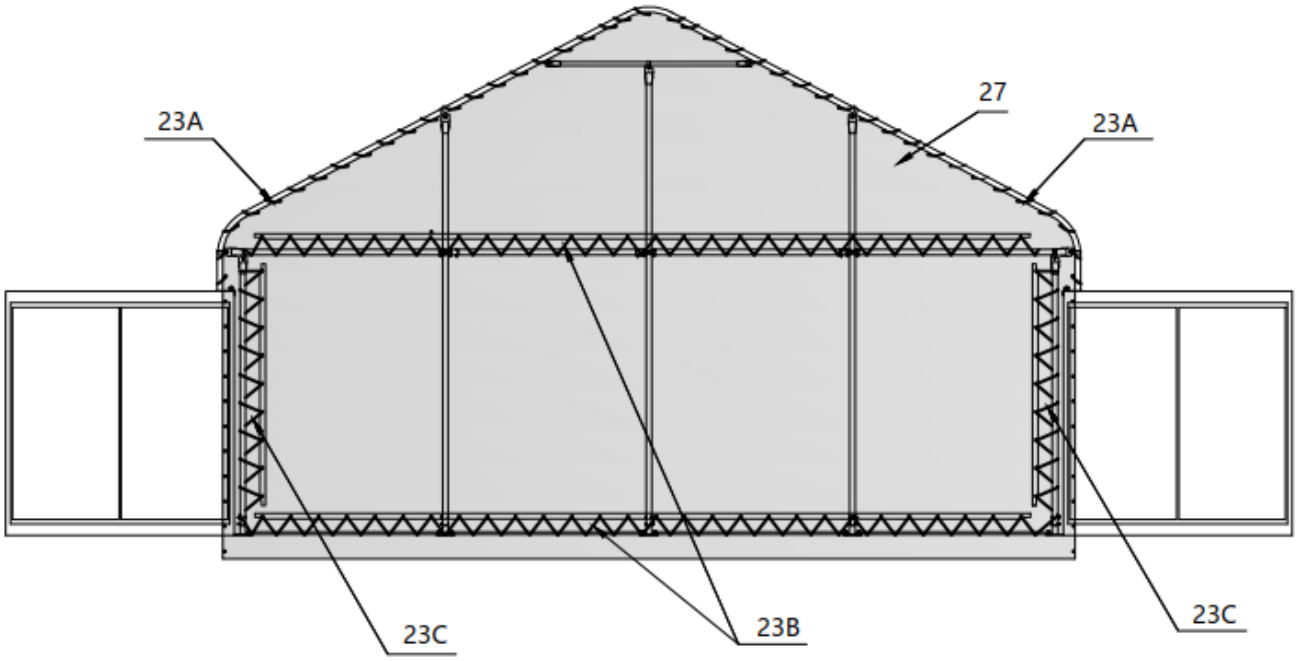
NO.	PART	QTY
8A		1
8B		6
10		3
10D		2
10E		1
10F		2
10G		2
11		2

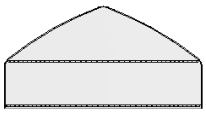
NO.	PART	QTY
11A		2
12		2
12A		2
20		20
21		7
21B		6
25		8

STEP 3 : INSTALL REAR COVER PANEL.

WHAT YOU SEE IN THIS PICTURE IS THE INSIDE!

- Lift up (#27) cover panels, starting from the center point of the frame (highest ridge point) use ropes (#23) through the grommets to tie the panel to the truss firmly. All grommets need to be tied to the frame.



NO.	PART	QTY
27		1
23		56m

ROPE SHEAR SIZE		
23		QTY
A	10m	2
B	13m	2
C	5m	2

AFTER INSTALLATION

Walk around and inspect the building periodically to make sure the parts are firmly fixed and the whole building is well supported. Check all bolts and hardware connectors to make sure they are in place and tightened. Check the base plates, adjust the ropes if necessary and clean the cover regularly.

Snow accumulating on the fabric cover must be removed as soon as possible. If snow is allowed to become solid ice on the cover, it could increase the weight on the roof and collapse the building or reduce the life span.

We strongly recommend you remove any snow from the roof immediately. Do not leave any snow load on the roof overnight. Keep 3 feet of clearance on all sides at all times. Do not allow snow to accumulate and pile up on the sides of the building. Otherwise the pressure from the sides will push inwards and could lead to a collapse.

WARRANTY INFORMATION: Please refer to our website for detailed warranty conditions and coverage.
For the most up-to-date and comprehensive warranty information, visit **www.tmgindustrial.com**