

# ASSEMBLING INSTRUCTIONS FOR RAINDROP MD GREENHOUSE

Dear customer, congratulations on the purchase of the Raindrop MD greenhouse from My Great Greenhouse. When correctly assembled and maintained, the greenhouse will serve you and bring happiness for a long time. This manual includes information and tips on assembling and maintaining the structure.

**YOU MUST READ THIS DOCUMENT BEFORE YOU BEGIN TO ASSEMBLE THE GREENHOUSE.**

## 1. Precautions

**Attention:** Before installing the greenhouse kit (in the future referred to as the greenhouse), attentively read these instructions. Follow all the guidelines and tips in it.

**Warning:** While assembling the greenhouse, the usage of personal protection such as special gloves, glasses, boots, and helmets is strongly recommended.

Do not start assembling when the wind is blowing.

Make sure to finish the installation in one day (the warranty doesn't apply to partially assembled greenhouses).

Keep children away from the area of assembly.

If using a stepladder or power tools, be cautious and follow the producer's safety advice. When installing the greenhouse, use only working tools in good condition (both manual and electric).

Before moving the packs of the greenhouse, pay attention to their weight. Then, be careful when moving the packs. If necessary, involve the required number of people to move the packs of the greenhouse or use particular means (carts, etc.)



438-927-1727

[info@mygreatgreenhouse.ca](mailto:info@mygreatgreenhouse.ca)

[www.mygreatgreenhouse.ca](http://www.mygreatgreenhouse.ca)

**Use tools that are in good condition only,  
keep children away from the area of assembly.**

**Attention:** Before assembly, to make sure that you are allowed to build this structure, consult city or municipality building codes.

The surface where the greenhouse is mounted must be flat. The structure must be securely anchored to a level base. We strongly recommend anchoring the greenhouse on a wooden or concrete base.

The greenhouse shouldn't be positioned where tree branches, loads of snow, ice, or other overhead particles could fall and damage the construction.

In violation of the above recommendations, the guarantee for the coating material and the frame does not apply.

**Important:** For assembling the greenhouse, you will need at least **two people**. This instruction is for Raindrop MD3 - MD10 greenhouses.

**Attention! Cellular polycarbonate sheets are protected from ultraviolet rays inside the panel. They have a special UV protective layer on both sides of the sheet, which prevents the harmful effects of ultraviolet radiation. The polycarbonate sheets must be installed so that the front side (has a film with text and pictures), on which the reinforced layer of protection against ultraviolet rays is applied, is always facing the sun during installation. Do not remove this film until the greenhouse installation is complete.**



438-927-1727

info@mygreatgreenhouse.ca

www.mygreatgreenhouse.ca

- M10 wrench – (included in the kit);
- M6 wrench and M6 driver bit;
- Screwdriver drill bit - crosshead;
- Crosshead screwdriver;
- Utility knife or a jigsaw;
- Hammer drill (in case the greenhouse will be set on concrete);
- Drill
- 5/64 - 3/32 drill bit
- Ladder



**Use tools that are in good condition only, keep children away from the area of assembly.**



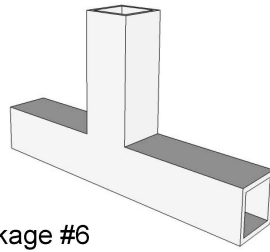
## 2. Specification

Item No	Item name	Quantity		Note
		MD3	+1 m	
01	Brace 975 mm bottom	6	2	To calculate the number of parts for your greenhouse, take the quantity for the greenhouse 3 meters (MD3) and, if you have a 4-meter greenhouse, add the quantity for +1 m. In case your greenhouse is 6 meters long, add three times of +1 m to the quantity of the 3-meter greenhouse.
02	T-connector	4	2	
03	Stud	4	2	
04	3-angle ridge	3	1	
05	Corner brace	48	4	
06	Brace 980 mm	2		
07	Brace 980 mm bottom	2		
08	Transverse Brace 975 mm	12	4	
09	Countersunk screw 6x35mm	56	16	
10	Nut M6	56	16	
11	Rear end, left	1		
12	Rear end, right	1		
13	Rear end window with 3-angle ridge	1		
14	Front end, left, with door	1		
15	Front end, right	1		
16	Insert	8	2	
17	Hex head self-tapping screw 5.5x25	167		
18	Countersunk self-drilling screw 3.9x18	12		
19	Countersunk screw 4,8x13 mm	120	32	
20	Self-drilling screw 4.2x16	216	56	
21	Hex head screw 6x90	21	4	
22	External door handle	1		
23	Wrench	1		
24				
25	Door handle	3		
26	Aluminum base L=203	16	4	
26	cm Aluminum base L=95	6	2	
27	cm Aluminum cap L=203	16	4	
27	cm Aluminum cap L=95	6	2	
28	Aluminum cap L= 91 cm			
28				
29				
30	100x100 Coner brace	4		
31	Plate to fix the wooden beams			
32	Anchor	4		
33	Wood screw	34	12	
34	Aluminum profile seal 35	set		
35	Door and window seal, m	2		
36	Expanding foam tape	1		
37	Ridge cover	3	1	
38	Lift support	2		



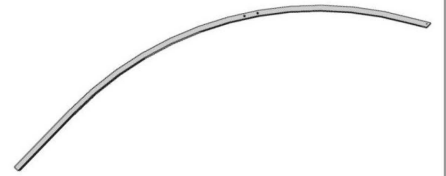
Package #3

01



Package #6

02



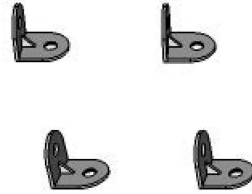
Package #2

03



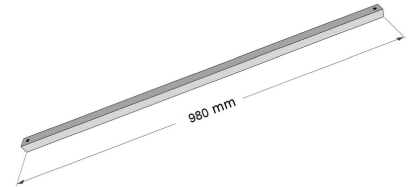
Package #7

04



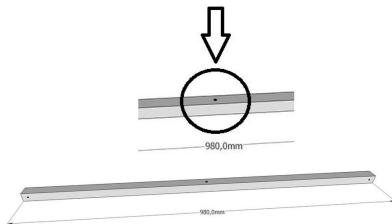
Package #6

05



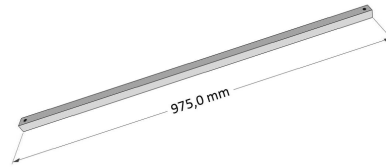
Package #3

06



Package #3

07



Package #6

08



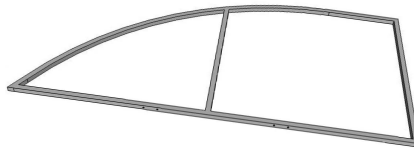
Package #6

09



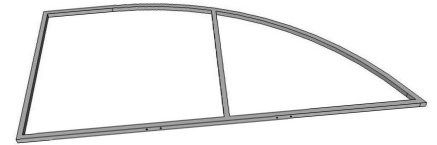
Package #5

10



Package #1

11



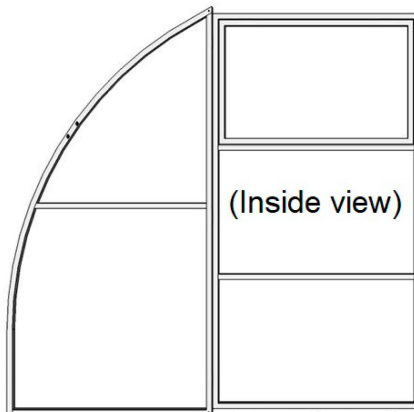
Package #1

12



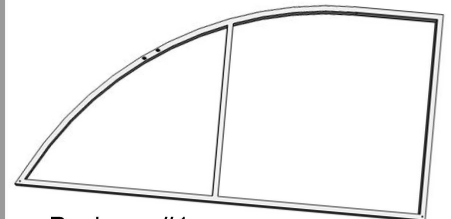
Package #6

13



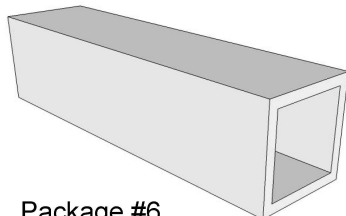
Package #1

14



Package #1

15



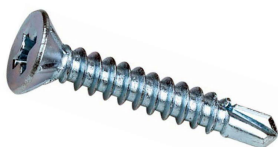
Package #6

16



Package #6

17



Package #6

18



Package #6

19



MY GREAT GREENHOUSE

1-833-212-3727

438-927-1727

[www.mygreatgreenhouse.ca](http://www.mygreatgreenhouse.ca)



Package #6

20



Package #6

21



Package #6

22



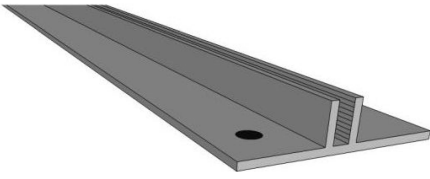
Package #6

23



Package #6

25



Package #5

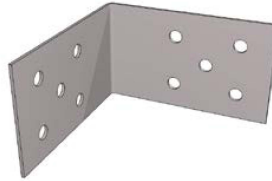
26



Package #5

27

28



29

30



Package #6

31



Package #6

32



Package #6

33



Package #6

34



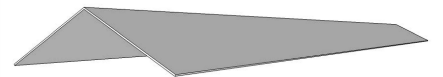
Package #6

35

Package #6



36



37



Package #6

38



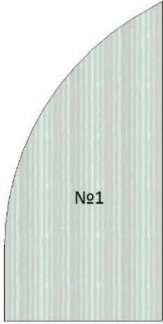
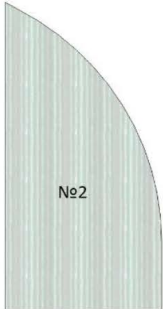


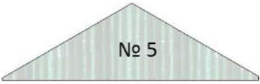
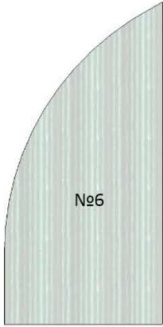
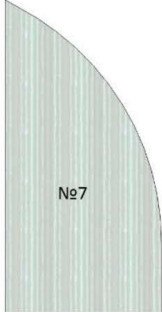

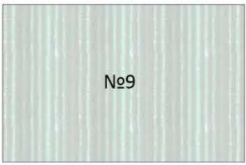
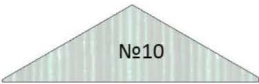
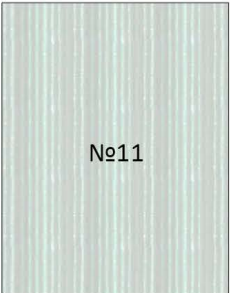
MY GREAT GREENHOUSE

1-833-212-3727

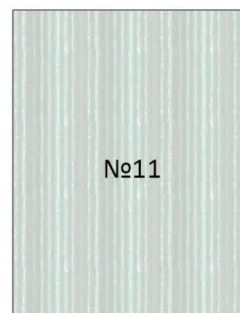
info@mygreatgreenhouse.ca

www.mygreatgreenhouse.ca

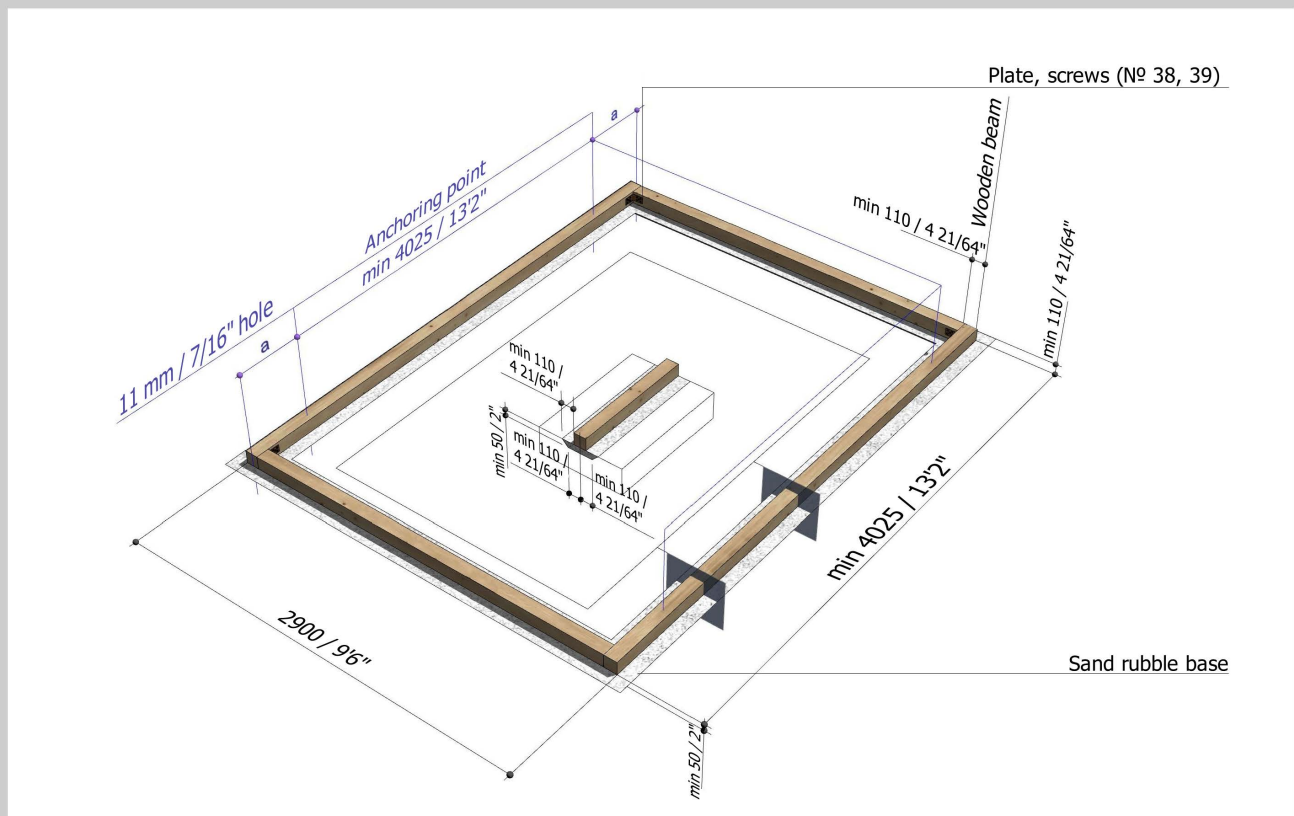
## Polycarbonate sheets for Raindrop MD - 3 m

			
Polycarbonate sheet №1	Polycarbonate sheet №2	Polycarbonate sheet №3	Polycarbonate sheet №4
1 PCS	1 PCS	1 PCS	1 PCS
			
Polycarbonate sheet №5	Polycarbonate sheet №6	Polycarbonate sheet №7	Polycarbonate sheet №8
1 PCS	1 PCS	1 PCS	1 PCS
			
Polycarbonate sheet №9	Polycarbonate sheet №10	Polycarbonate sheet №11	
1 PCS	1 PCS	12 PCS	

## Polycarbonate sheets for Raindrop MD +1 m



Polycarbonate sheet №11  
4 PCS



The greenhouse should be installed on a wooden base. Below are guidelines for preparing the base for a greenhouse installation.

A wood beam with a cross-section of at least 4"x4" can act as a wooden base.

Make sure to use treated wood.

Install the wooden beam on a sand-rubble surface with a depth of at least 5 centimeters. Use a corner (# 30) and screws (#33) at a right-angle at joints between the two beams. Use plates (#31) and screws (#33) to connect the two bars lengthwise.

We highly recommend anchoring the base to the ground using anchors # 32)

For a greenhouse with a length of 4 meters, four anchoring points are sufficient. For a greenhouse with a length of 6 meters, six anchoring points are sufficient. Place the anchoring points evenly on the two long sides of the greenhouse.

If you want to install the greenhouse on a concrete base, fix the wooden base to the concrete using anchors with a diameter of 8 mm.

Finally, verify that the wooden base is level and the diagonals are equal.

**IMPORTANT: The wooden frame of the greenhouse must have the same outer dimensions as the outer dimensions of the metal frame of the greenhouse. The polycarbonate sheets will cover the bottom of the greenhouse frame and slightly overlap the wood beam.**

**We recommend using the metric system to assemble the greenhouse correctly.**

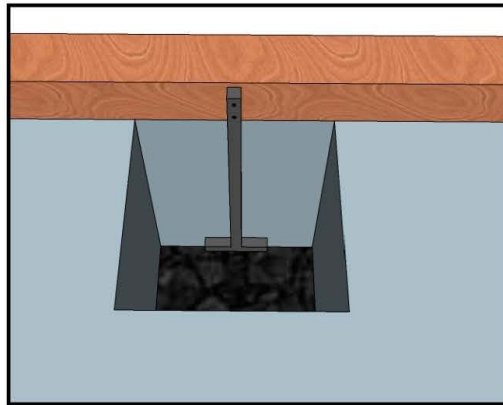
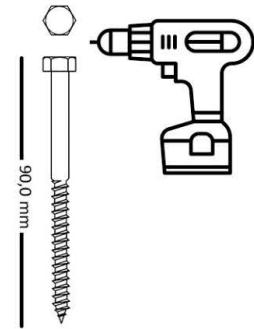
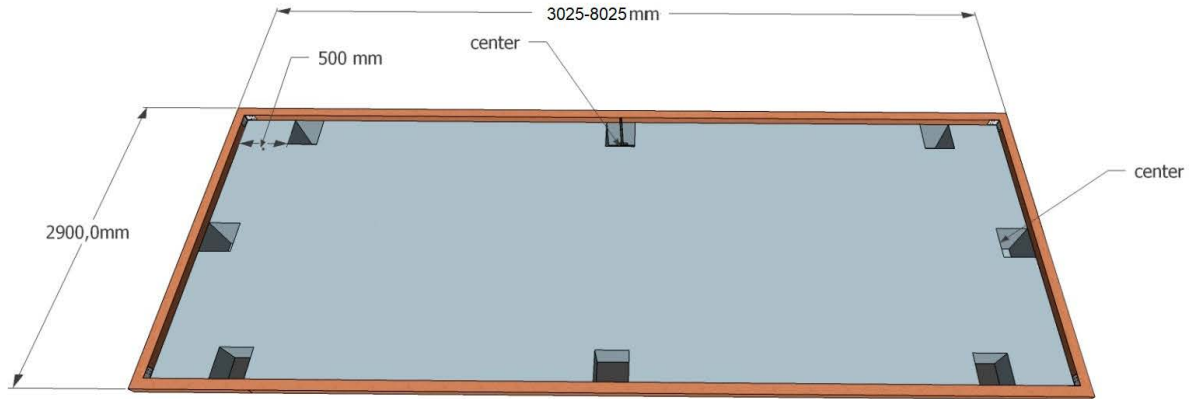
The geometrical parameters of the bases for different greenhouses (MD3, MD4, MD5, MD6, MD7, and MD8) are indicated below:

RAINDROP MD3-MD8								
	Greenhouse width		Greenhouse length		Wood base width		Wood base length	
	cm	in	cm	in	cm	in	cm	in
MD3	290	9'6"	302.5	9'11"	290	9'6"	302.5	9'11"
MD4	290	9'6"	402.5	13'2"	290	9'6"	402.5	13'2"
MD5	290	9'6"	502.5	16'6"	290	9'6"	502.5	16'6"
MD6	290	9'6"	602.5	19'9"	290	9'6"	602.5	19'9"
MD7	290	9'6"	702.5	23'1"	290	9'6"	702.5	23'1"
MD8	290	9'6"	802.5	26'4"	290	9'6"	802.5	26'4"

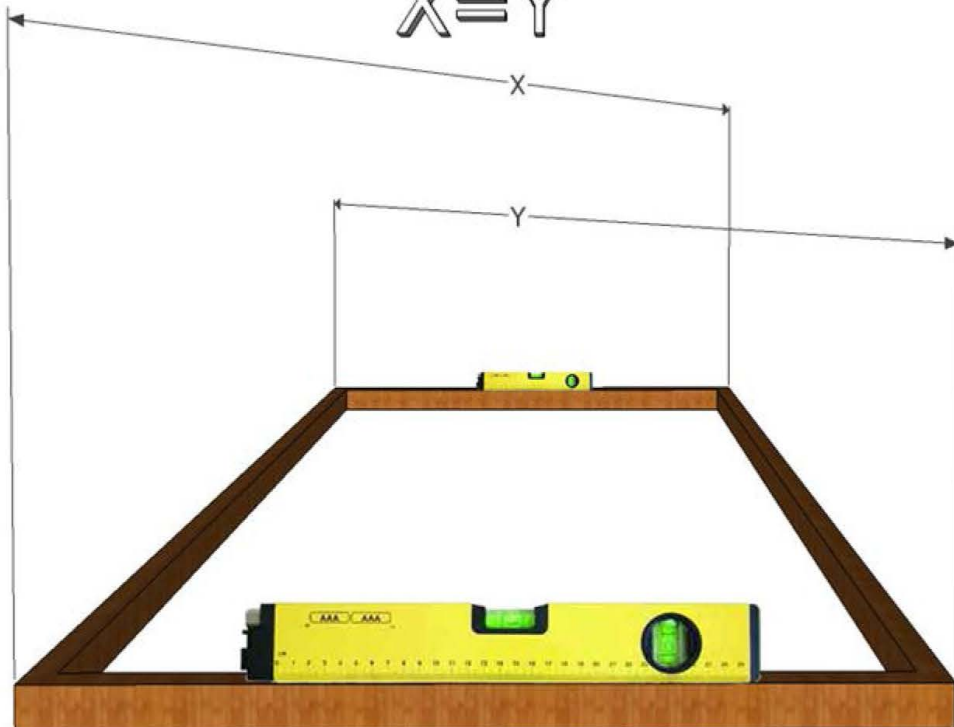
# Preparing the wood base

In the case of installing the greenhouse on a wooden base, we recommend attaching Anchors #32 to the wood base beams using Screws #33.

Picture #1



$$X=Y$$

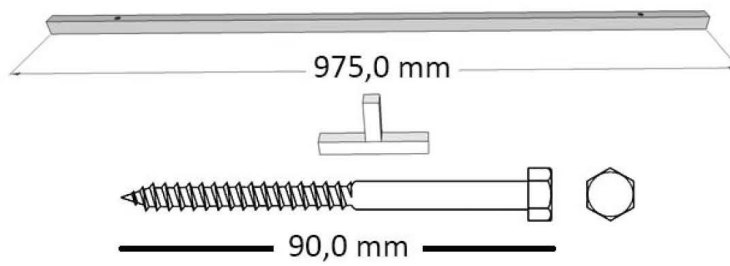




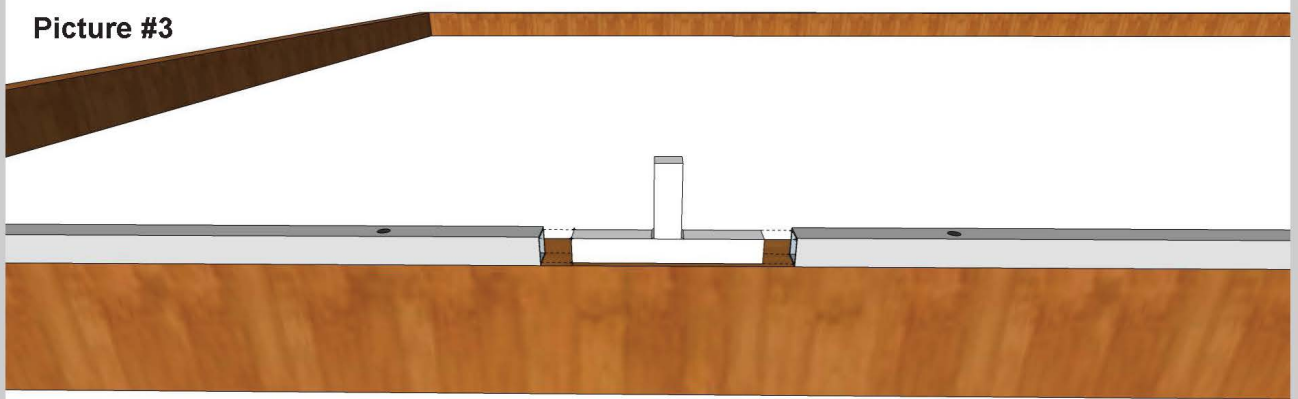
## Greenhouse installation

1. Place the longitudinal frame elements (Braces # 01 and T-shape connector # 02) on the long side of the wooden base. (Picture # 2, 3).

Picture #2

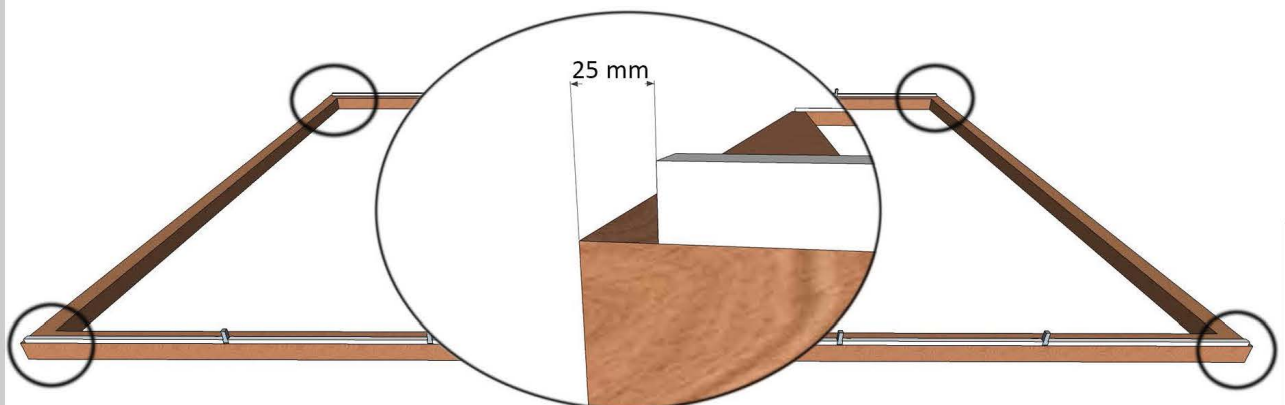


Picture #3



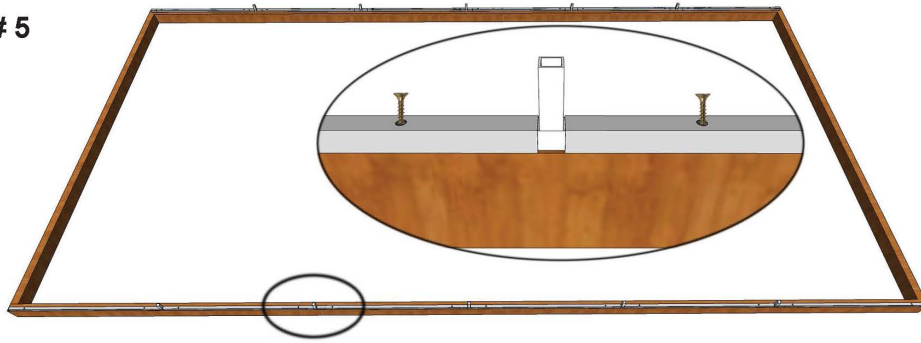
2. The ends of the installed Braces # 01 along with the T-shape connectors # 02 should be 25 mm (1") from the outside of the short parts of the wood base (Picture # 4).

Picture # 4



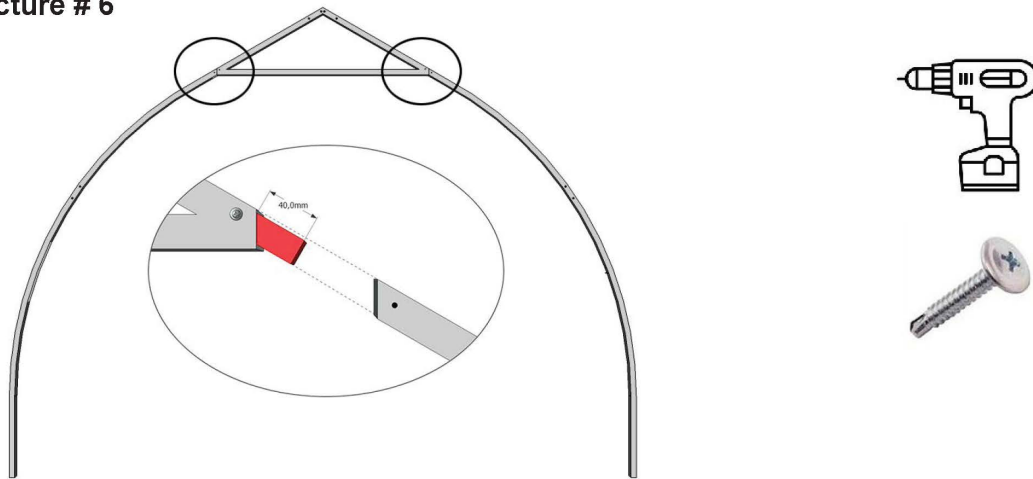
3. Fasten Braces # 01 together with the T-shaped connectors # 02 on the wood base beams using Screw #21.

Picture # 5



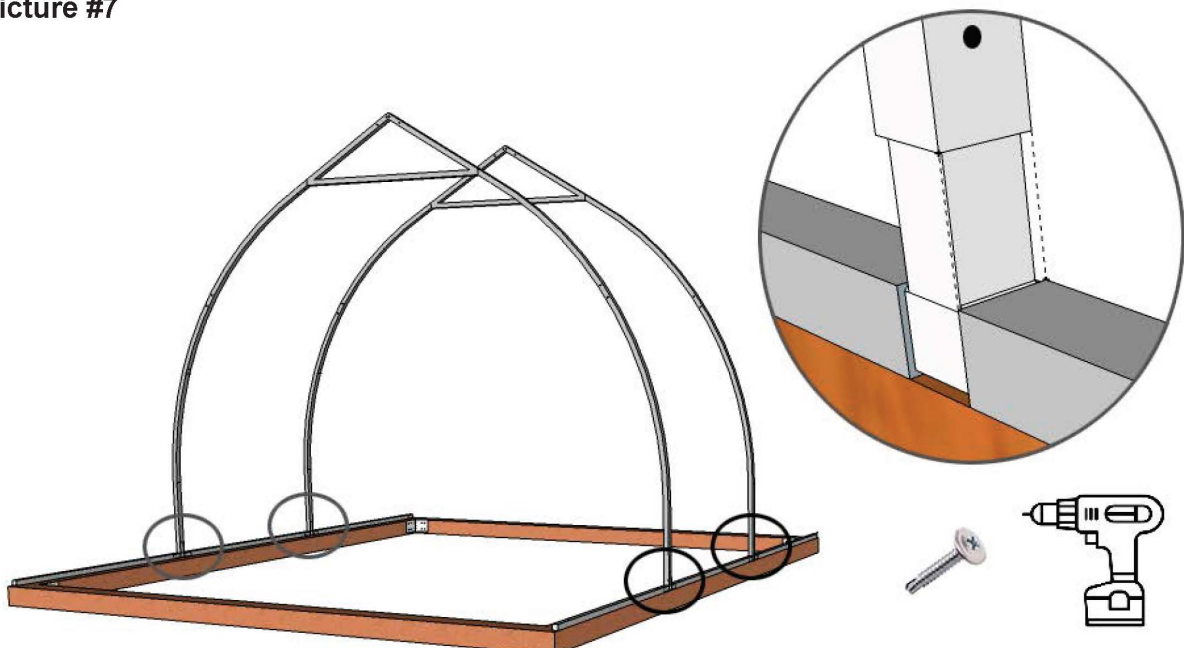
4. Assemble the Arches, connecting and fastening together all the Studs #03, Inserts #16 (shown in red in Picture # 6), and an appropriate quantity of 3-angles ridges #04 that you have in the kit, as shown in Picture #6.

Picture # 6



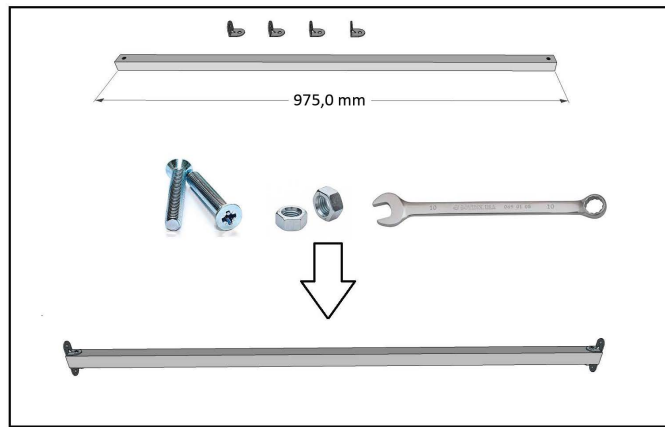
5. Install the previously assembled arches on the longitudinal elements of the frame by inserting T-shaped connectors into the lower ends of the arches, as shown in Picture #7

Picture #7



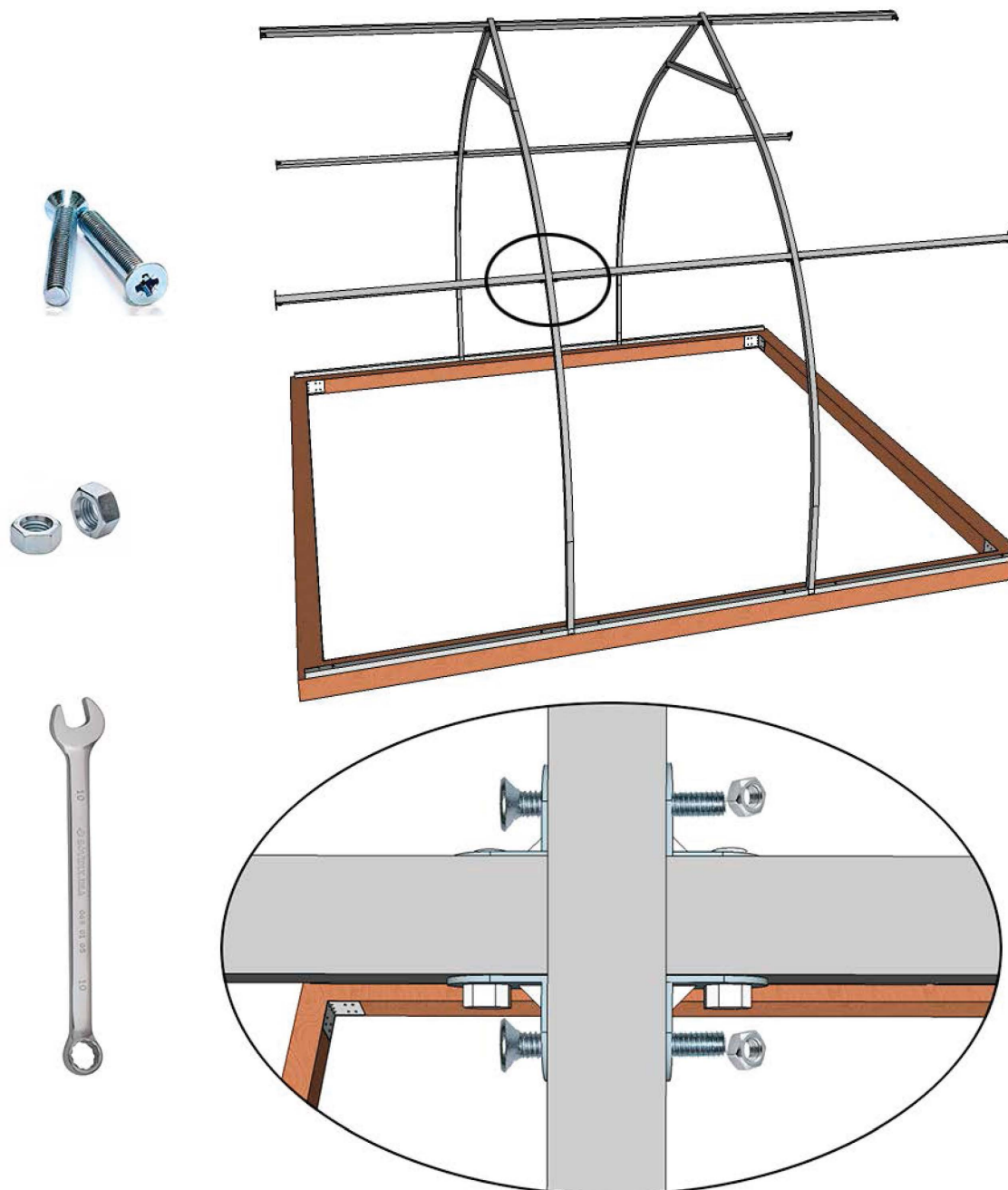
6. Using bolts #09 and nuts #10, attach Corner braces #05 to Braces #08 (Picture #8)

Picture #8



7. Using bolts #09 and nuts #10, attach assembled Braces with earlier installed Arches (Picture #9)

Picture #9



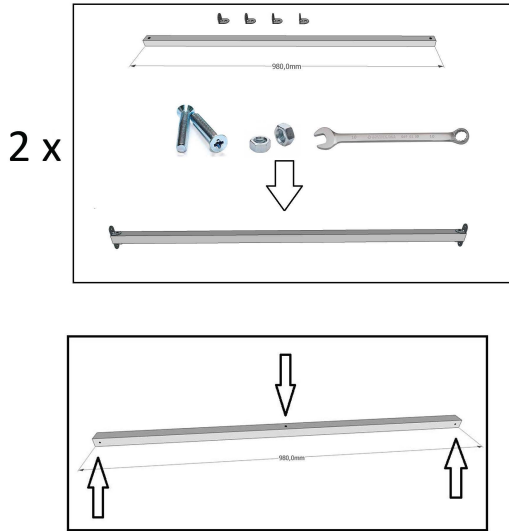
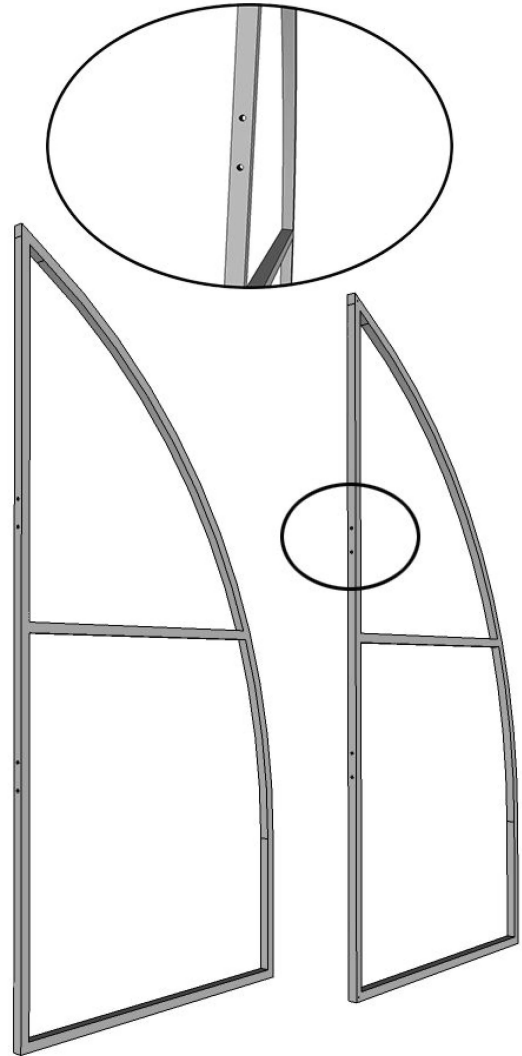
8. Assemble the rear end. Place parts ## 06, 07, 08, 09, 10, 11, 12, 13, and 16 as shown in Picture #10 using a flat, level surface near the greenhouse installation site.

Pay attention to the left and right sides of the rear end.

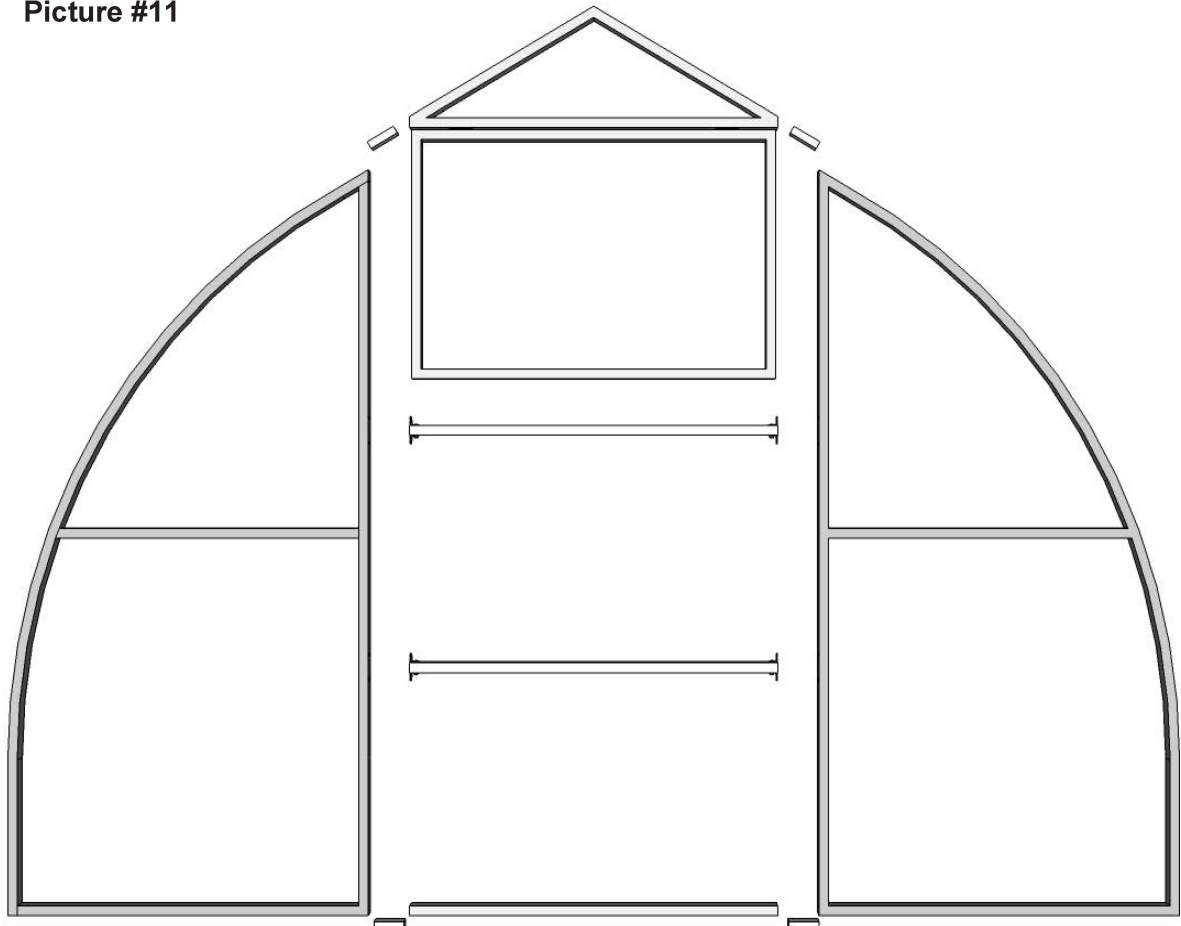
Take the ones that look like Picture # 10.

9. Using bolts #09 and nuts #10 attach four Corner braces #05 and Braces #06.

Picture #10

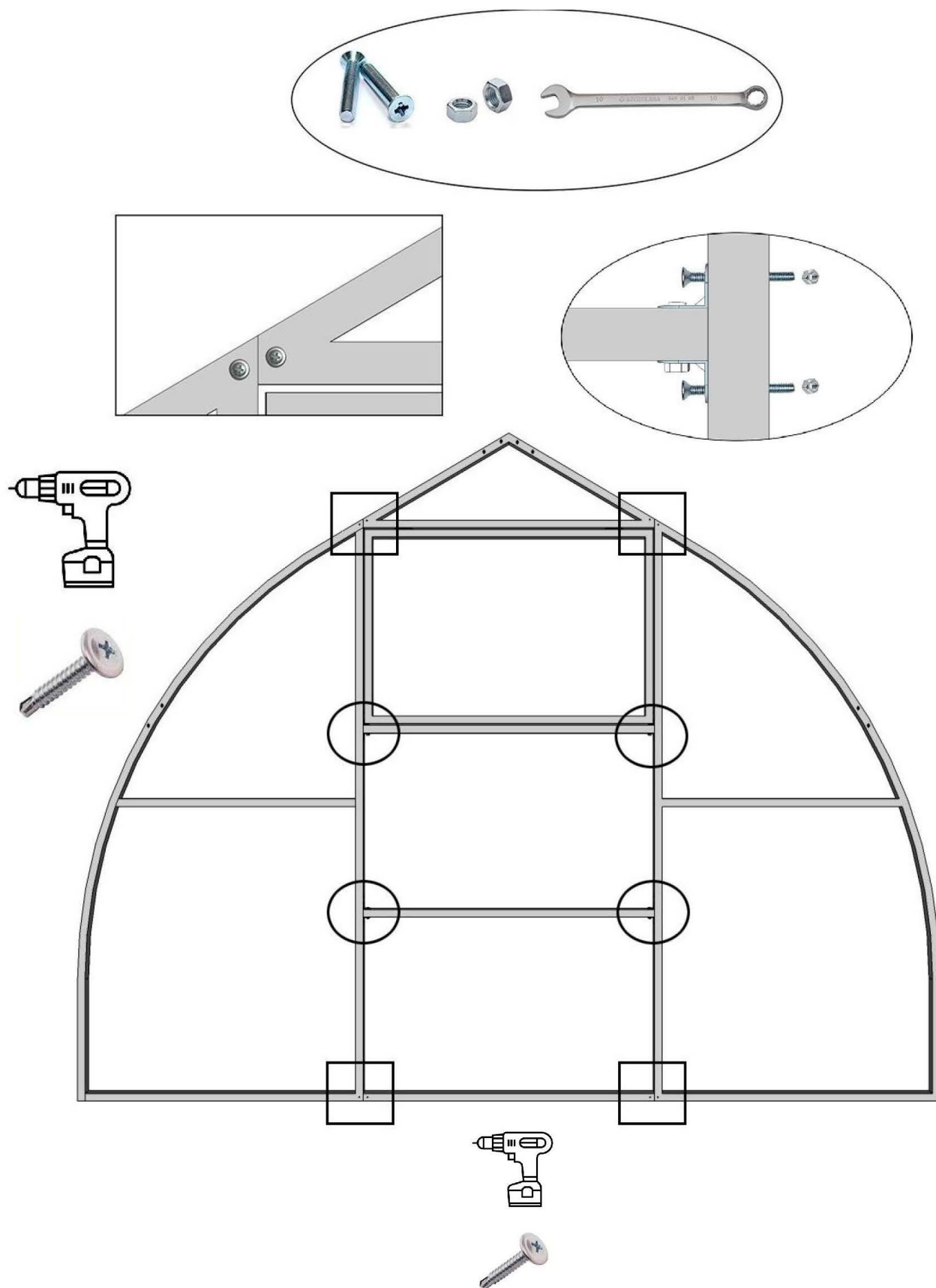


Picture #11



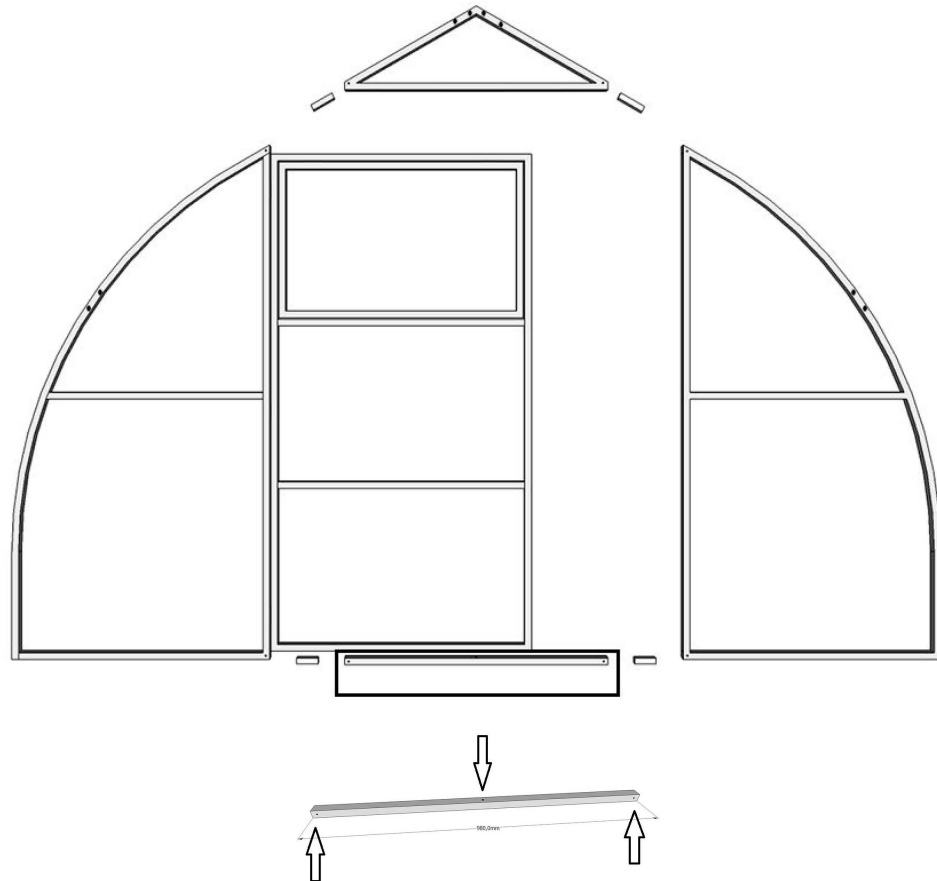
10. Attach together all the units ## 11, 12, 13, one Brace #07, and two Braces #06 assembled with Corner braces #05, as shown in Picture #12.

Picture #12



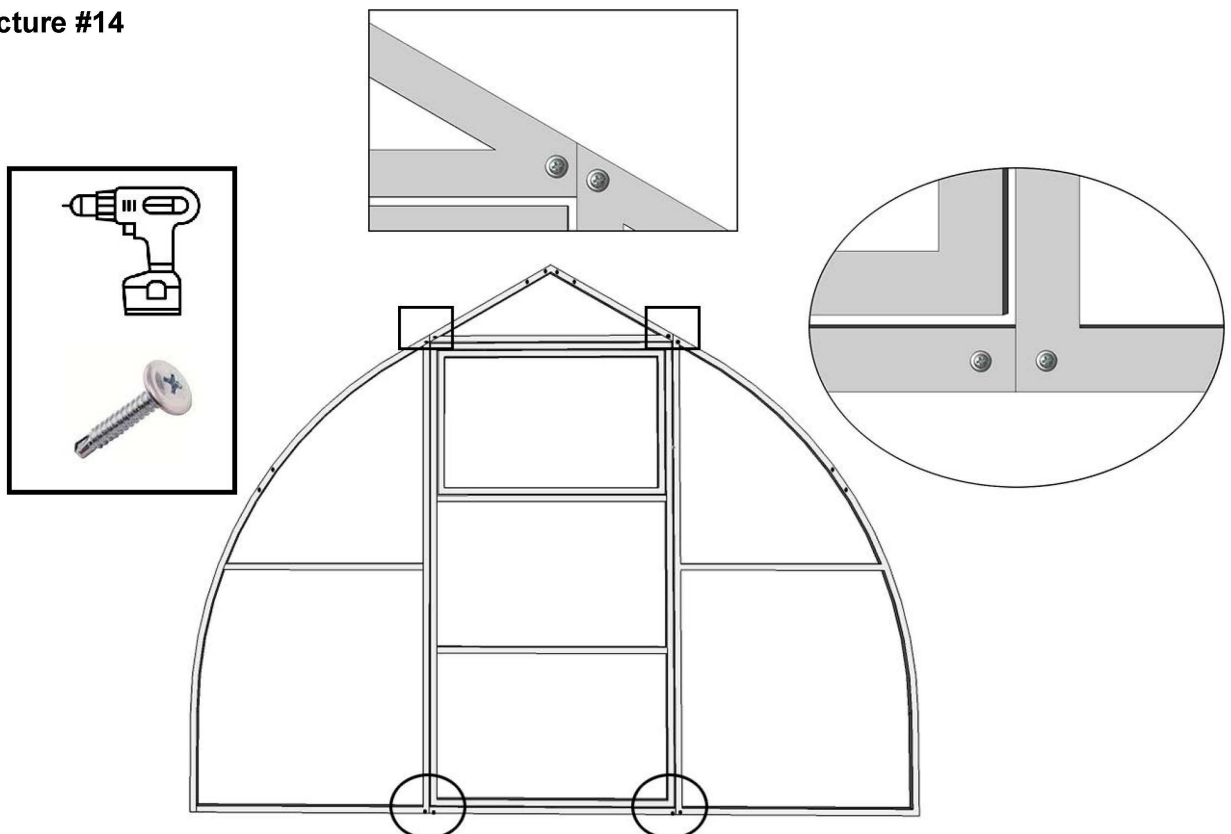
11. Assemble the front end. Place parts ## 04, 07, 14, 15 and 16 as shown in Picture #13 using a flat, level surface near the greenhouse installation site.

**Picture #13**



12. Attach together all the units as shown in Picture #14.

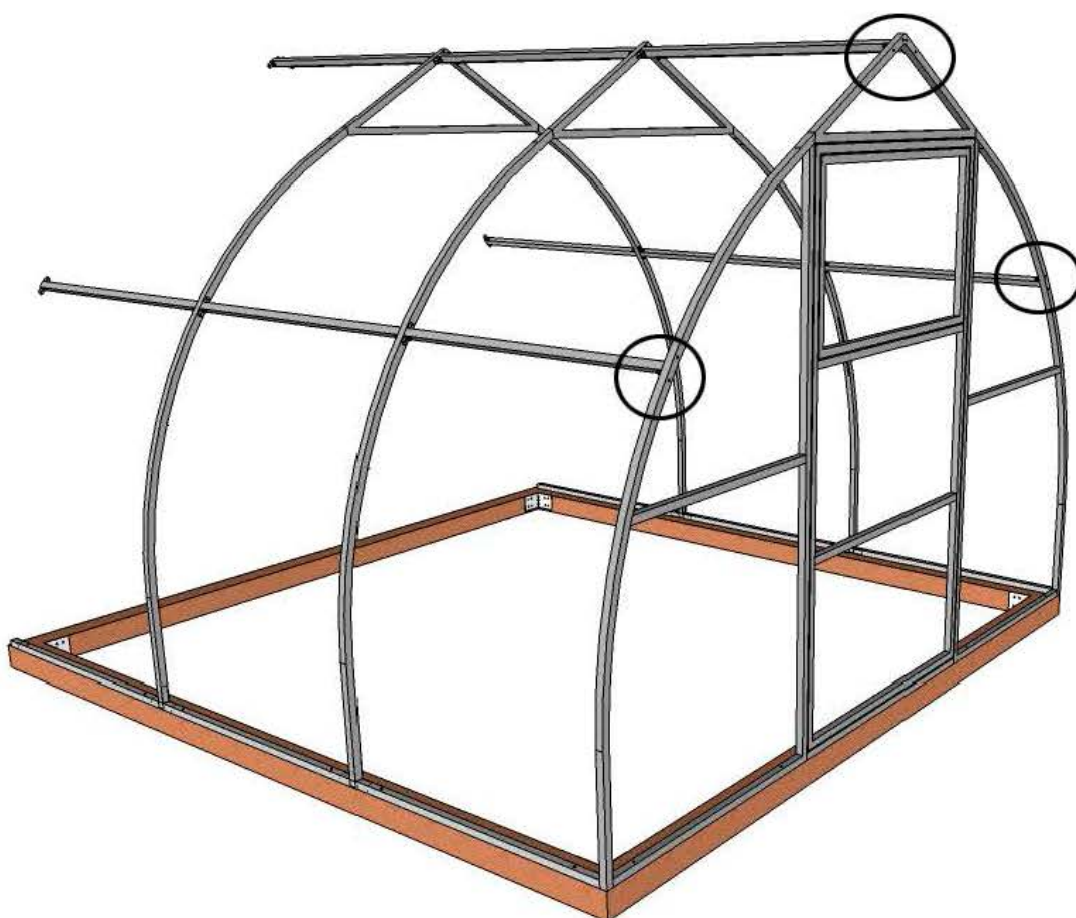
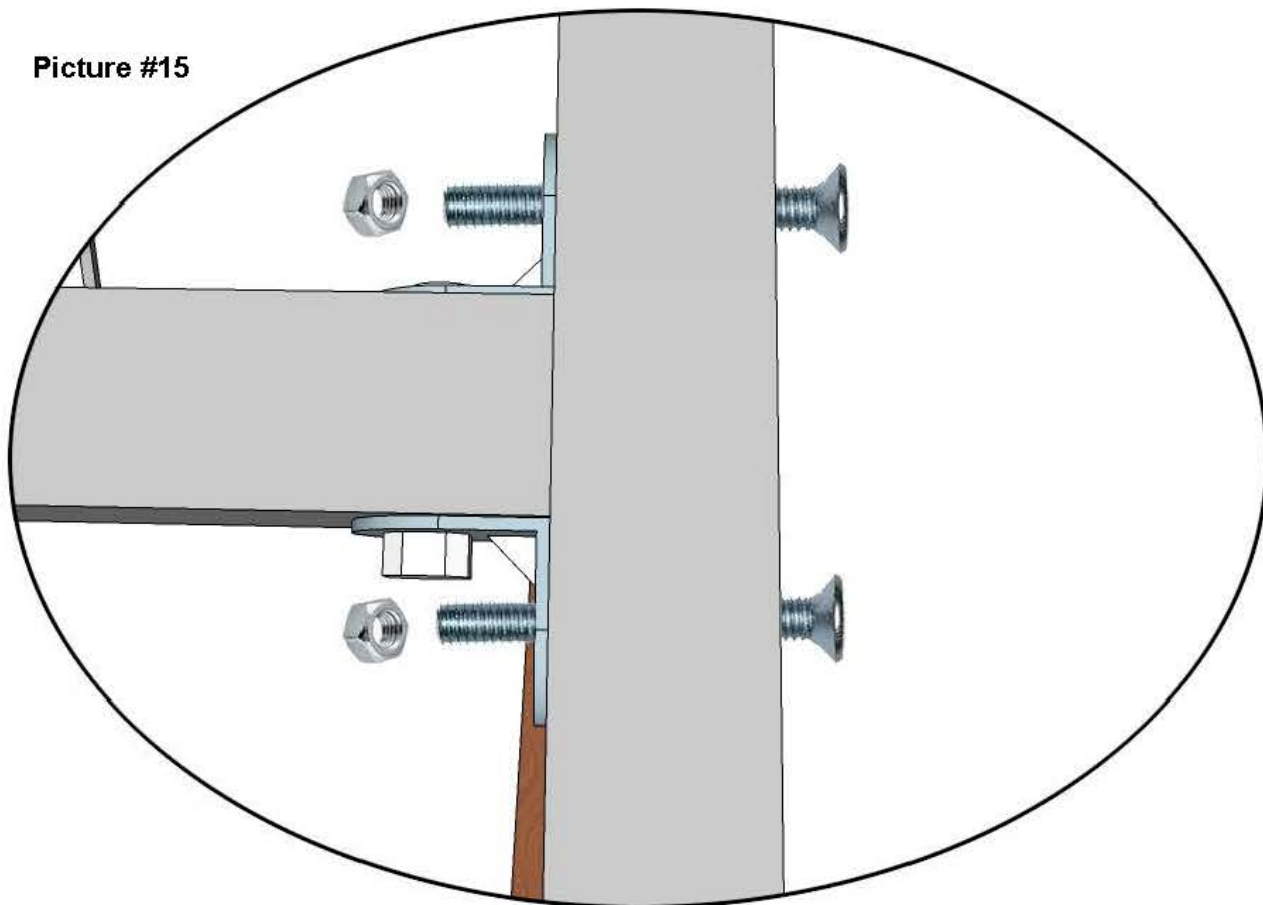
**Picture #14**



**Be careful when assembling the frame. Correct adjustment of all elements is the most critical part of the assembly!**

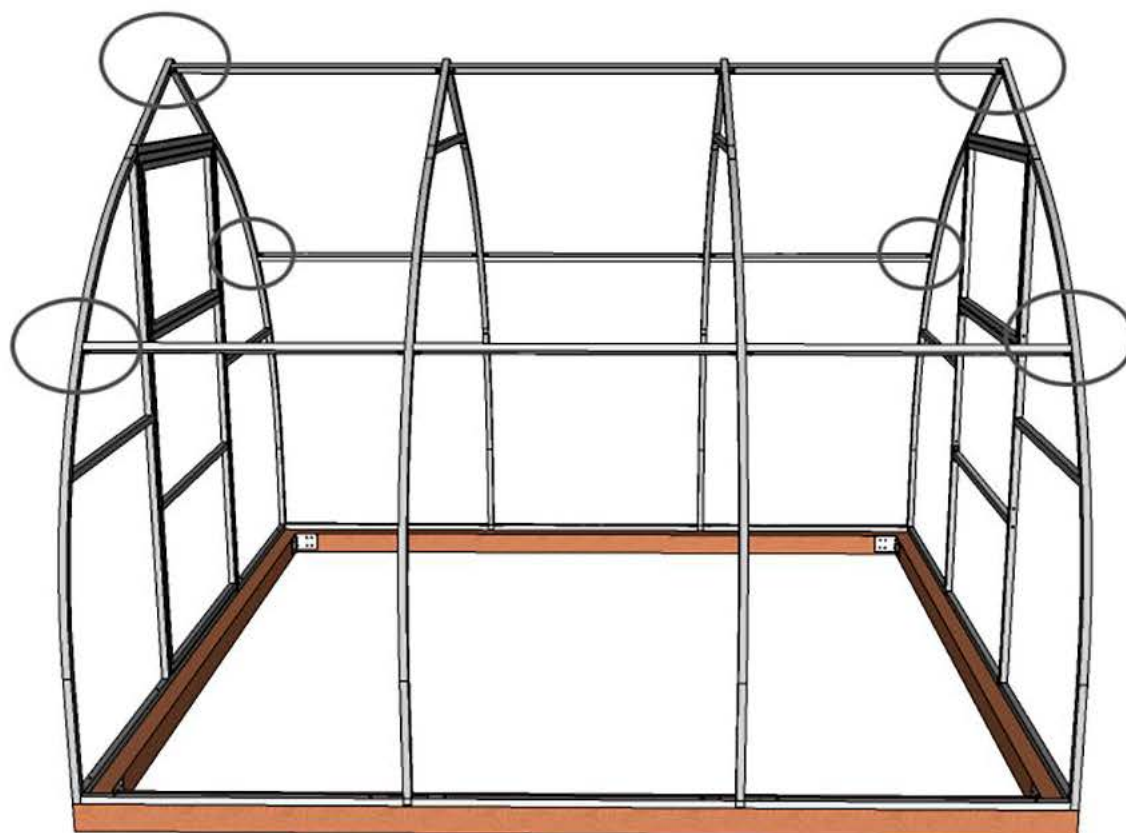
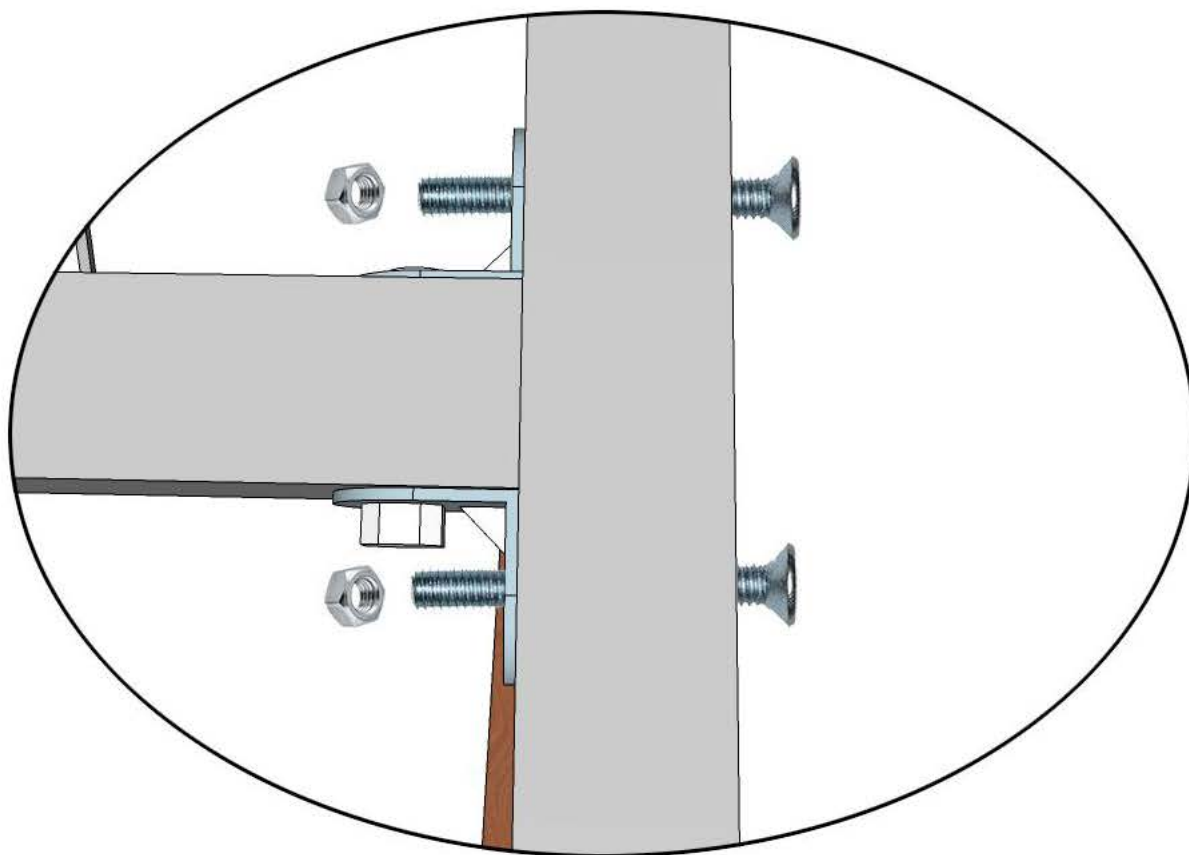
13. Lift up the door (front) frame and put it on the prepared base. Attach the door end to the assembled central part of the greenhouse frame. (Picture #15).

Picture #15



14. Lift up the rear end and put it on the prepared base. Attach the rear end to the assembled central part of the greenhouse frame in the same way as the front end. (Picture #16).

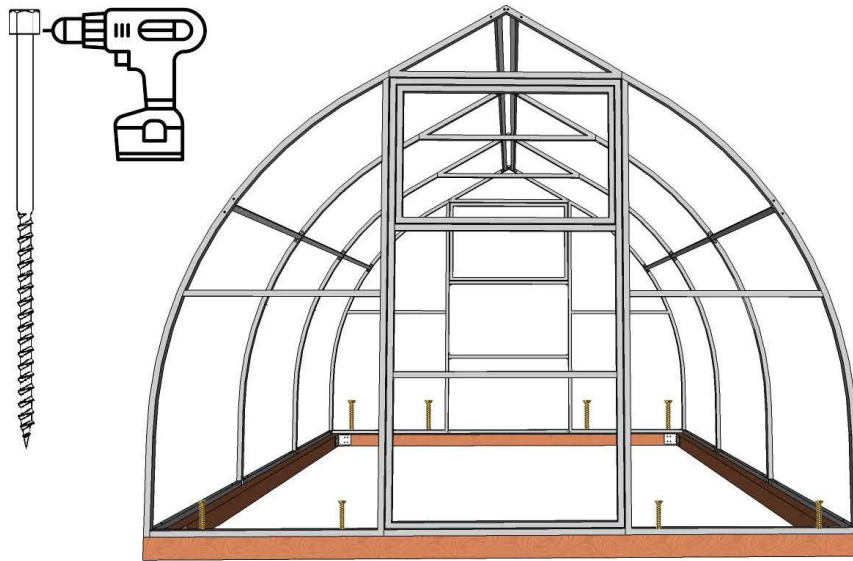
Picture #16





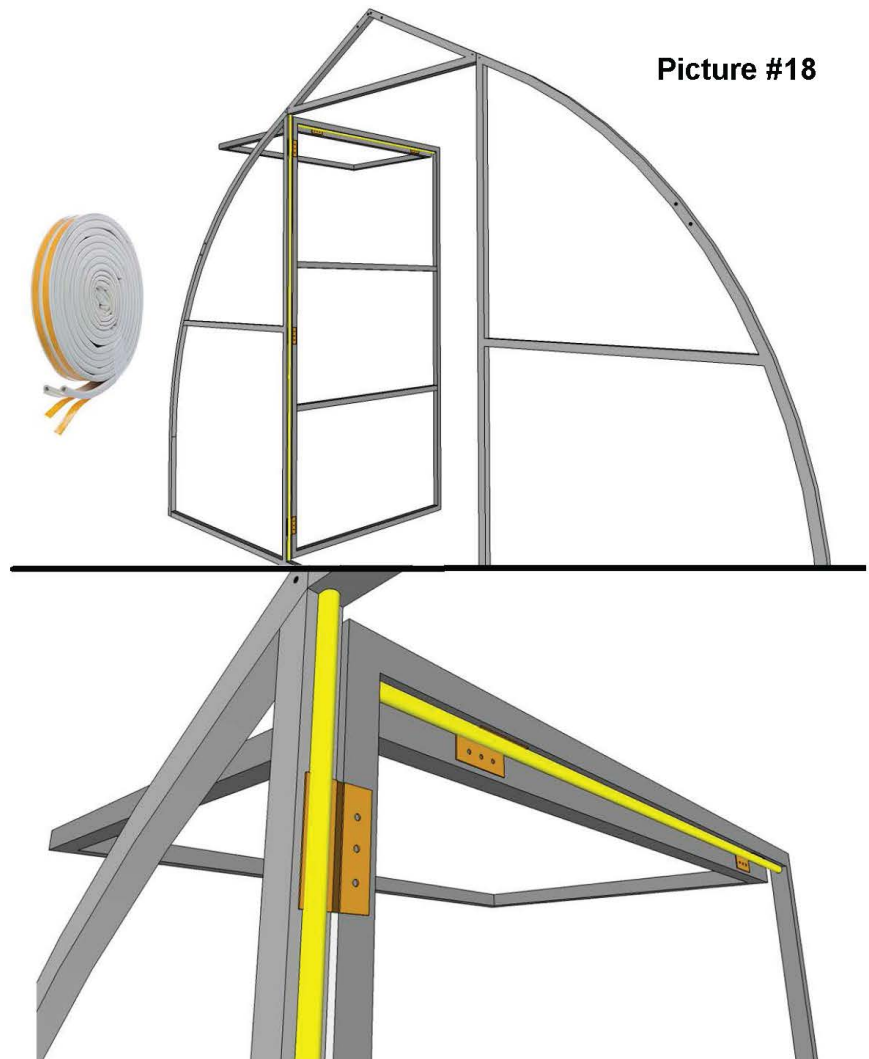
15. Fasten the frame to the remaining marked points on the wood beams using the screw #21.  
Picture # 17  
Note:  
When installing the door end to the wood base, use Wood screw #33 for Brace 980 mm  
bottom #7 in the middle of the Brase.

**Picture #17**



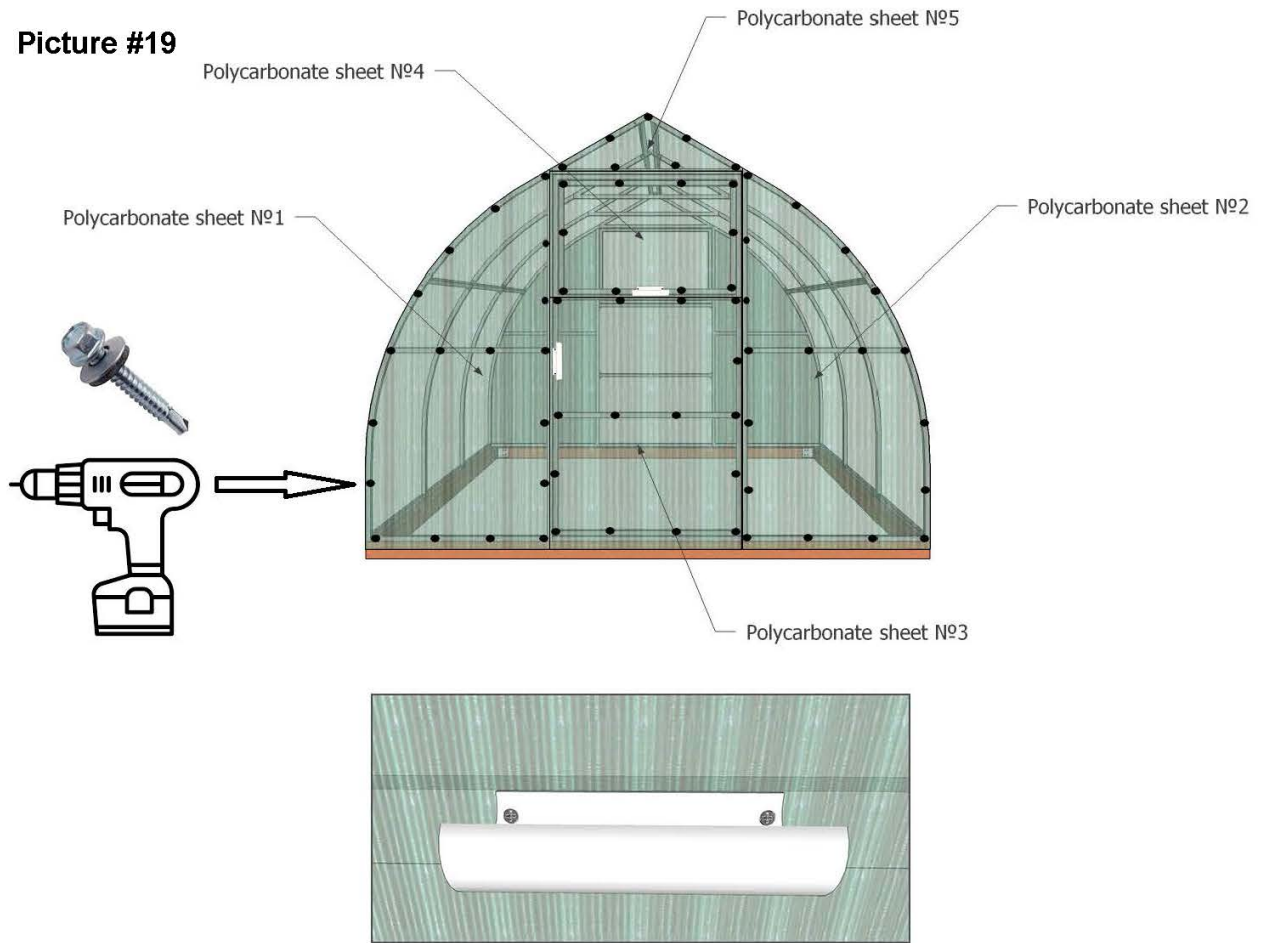
16. Install Door and window seal #35 on the door and ventilation window as shown in the picture.#18.

**Picture #18**

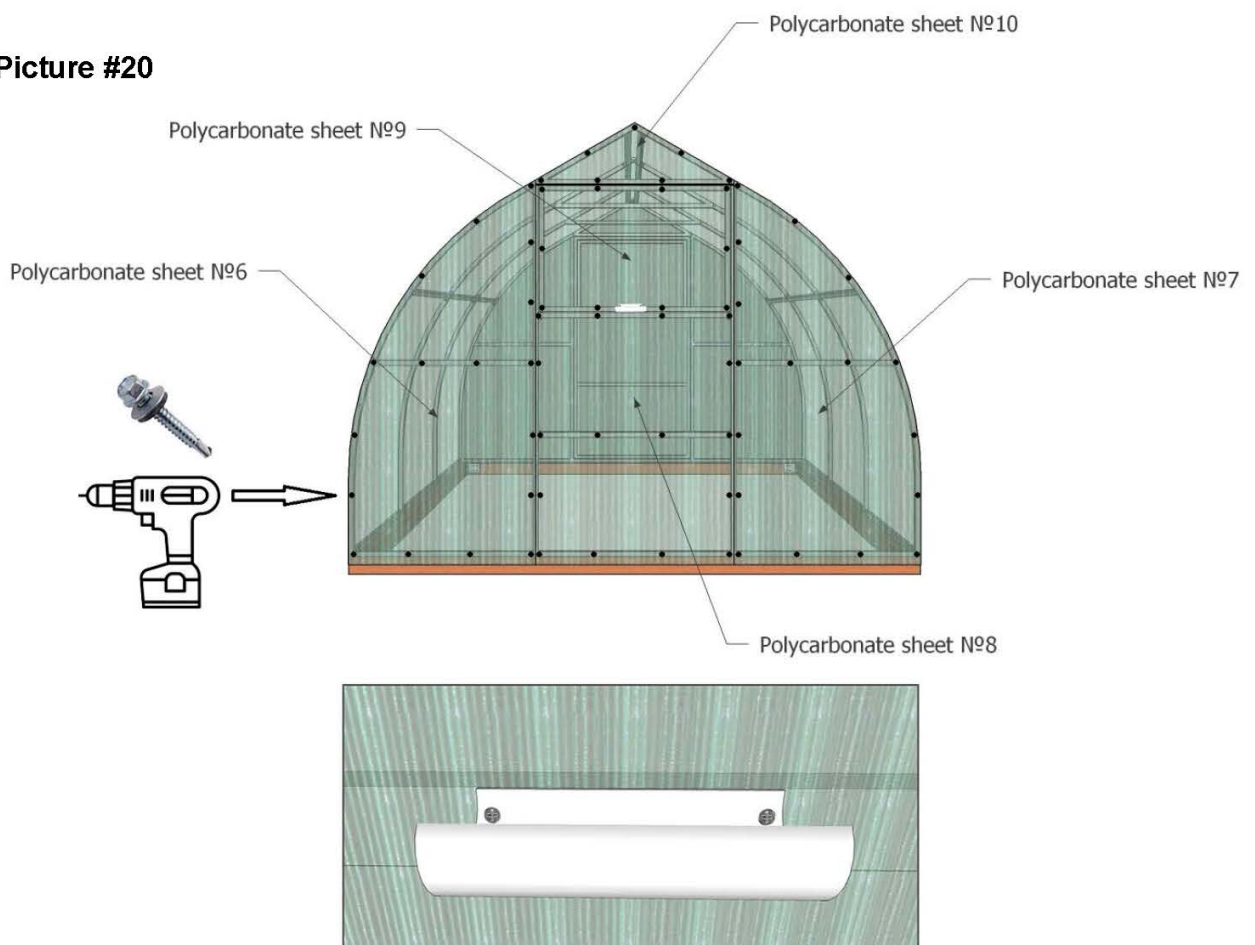


17. Install polycarbonate sheets on the front and back ends in accordance with the numbers indicated on each sheet, in random order. Picture #19  
To fasten the polycarbonate sheets to both ends of the frame, use self-tapping screws 4.8x25 with a bonded washer (#17).

**Picture #19**



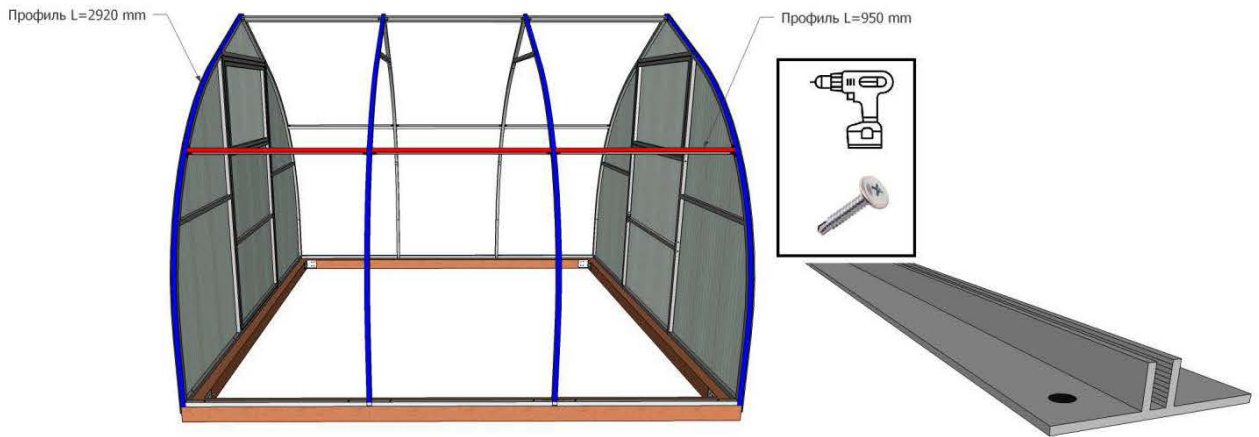
**Picture #20**



## Installation of side sheets.

18. Install the 2320 mm aluminum bases # 26 along the Stud #3. Attach them to the Studs with screws # 20. Start from the top.

**Picture #21**



19. Install short pieces of 950 mm aluminum base # 26 along with Braces # 01. Attach them to Braces with screws # 20.

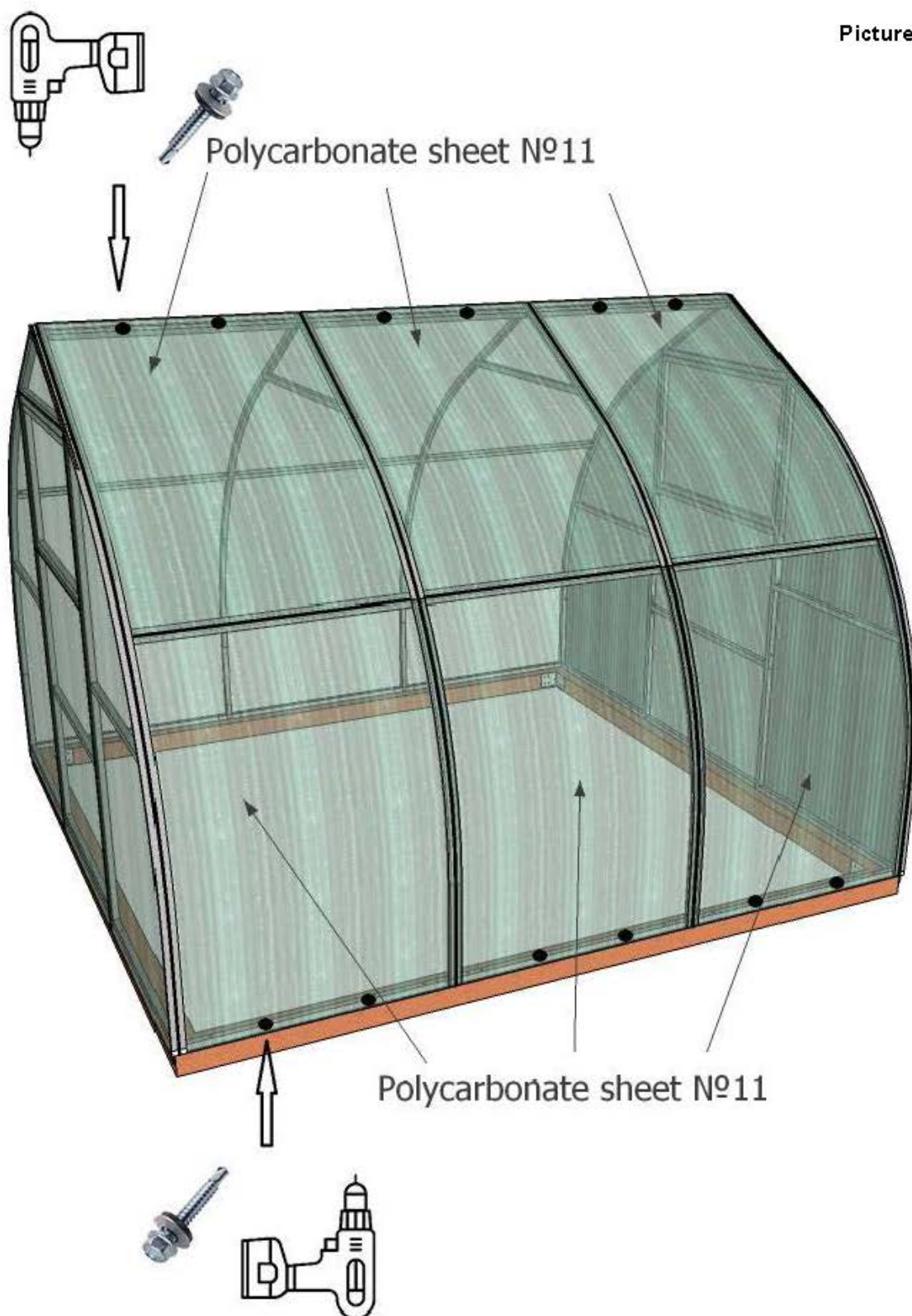
**Picture #22**



20. Place sheets of # 11 polycarbonate between the studs as shown in Picture # 23.

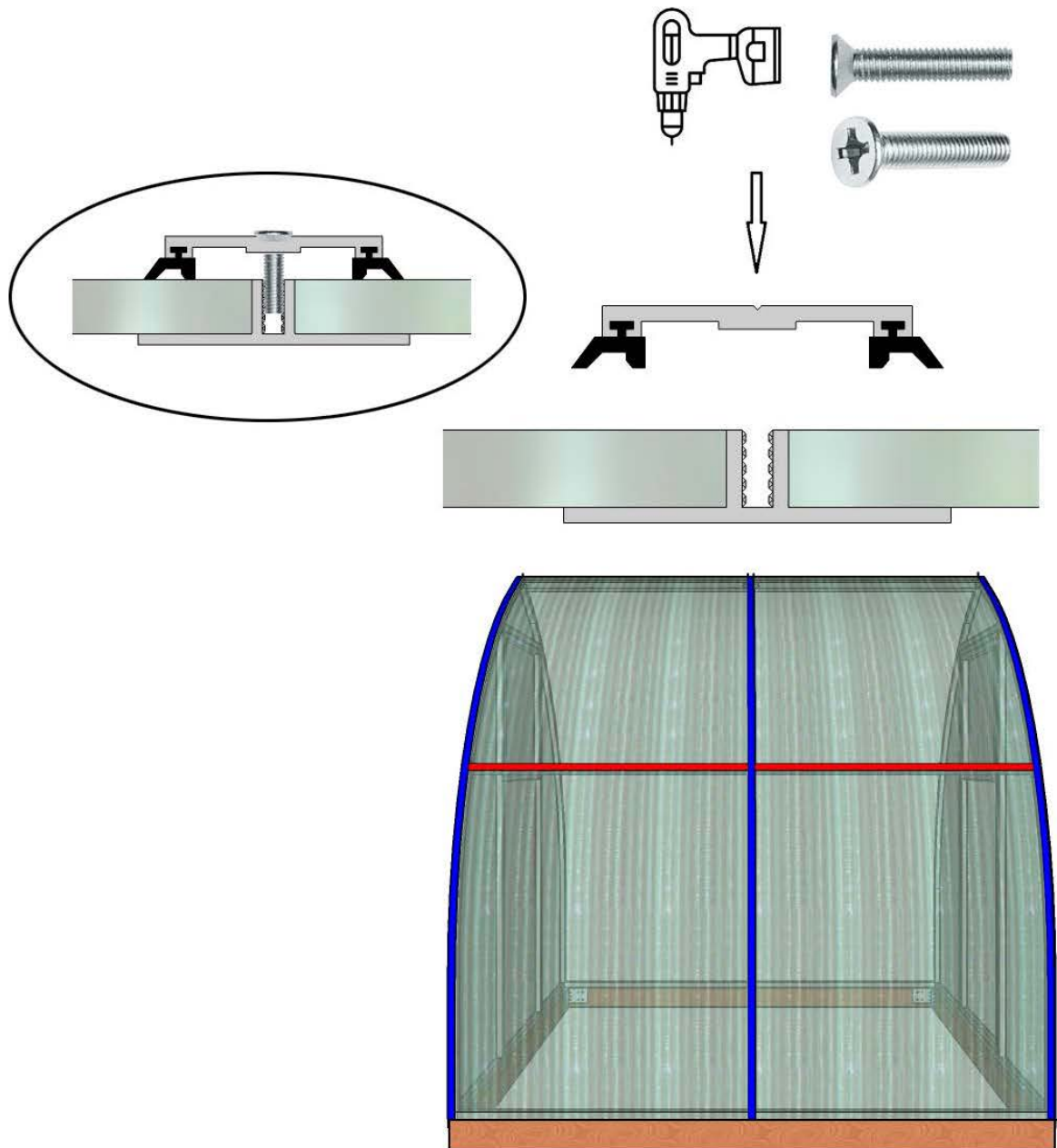
The polycarbonate sheets are extended down below the baseline of the aluminum brace #1 and are screwed in from the outside. They extend down past the frame. When you assemble the frame and start attaching the sheets to it, you will see how far exactly they are extended. The upper part of the bottom sheet #6 rests against the aluminum profile (base #14), which you must first attach to the Transverse brace 975 mm # 8 (Picture #22). The lower end of this sheet will partially cover the wooden beam for the appropriate length. The polycarbonate sheets will cover the bottom of the greenhouse frame and slightly overlap the wood beam.

Picture # 23



21. Insert aluminum profile seal # 34 into the two parallel grooves in aluminum caps # 27 as shown in the picture below.  
Cover the joints of the polycarbonate sheets along with the studs with two 1465 mm aluminum caps # 27 and secure the cover with screws # 19.

**Picture #24**

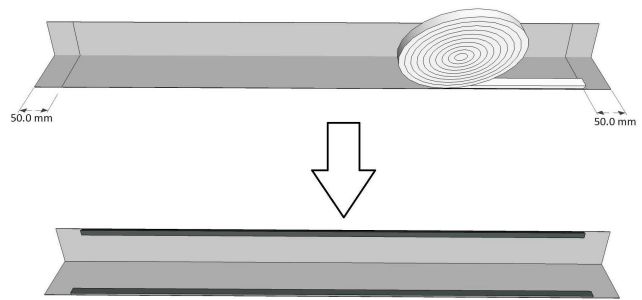




## Installing the ridge cover



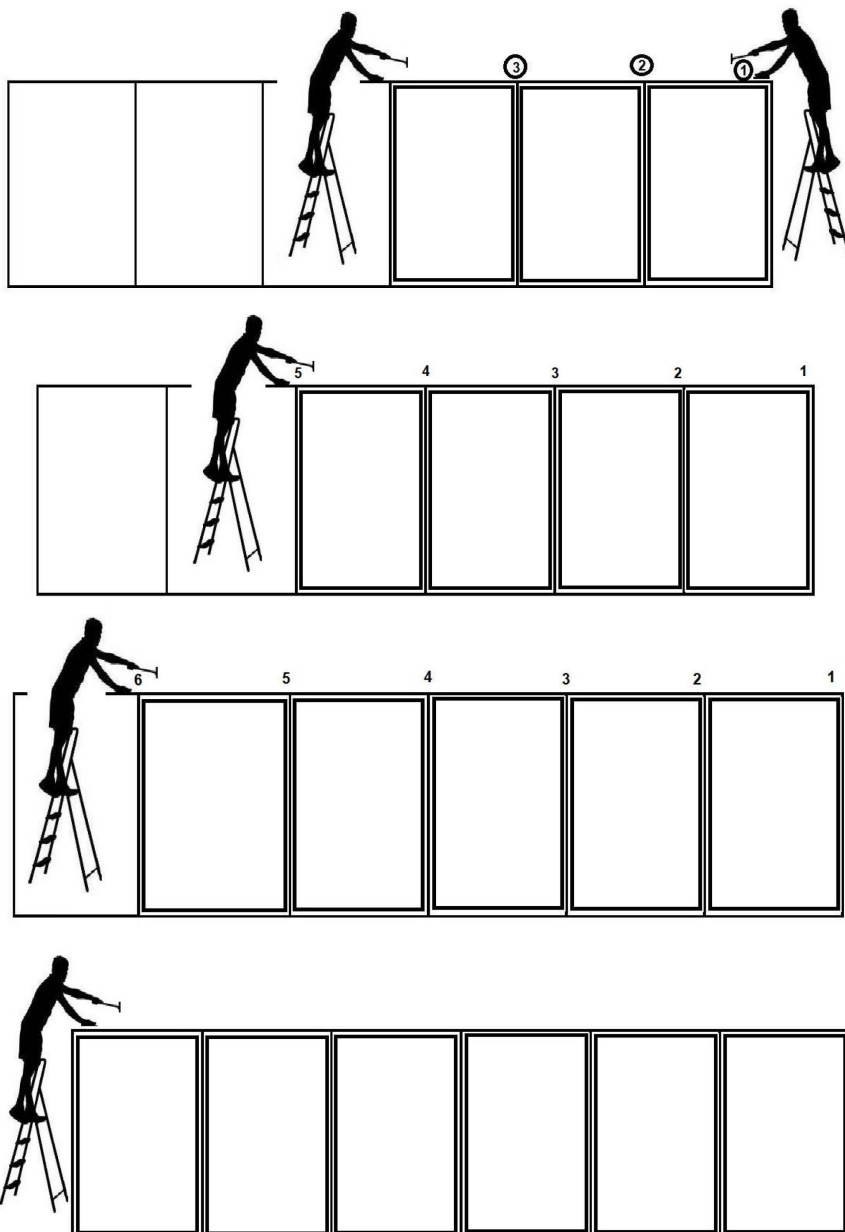
22. Using a self-adhesive backing, attach expanding foam tape #36 along both sides of the inner surface of the Ridge cover # 37 along its entire length, leaving 5 cm open from each end and as close as possible to the outer edge of the longest portion of the ridge cover. Expanding foam tape # 36 due to its gradual expansion, will fill the gap between the ridge cover and the polycarbonate sheets at the top of the greenhouse to prevent the ingress of water, air, snow and dust.



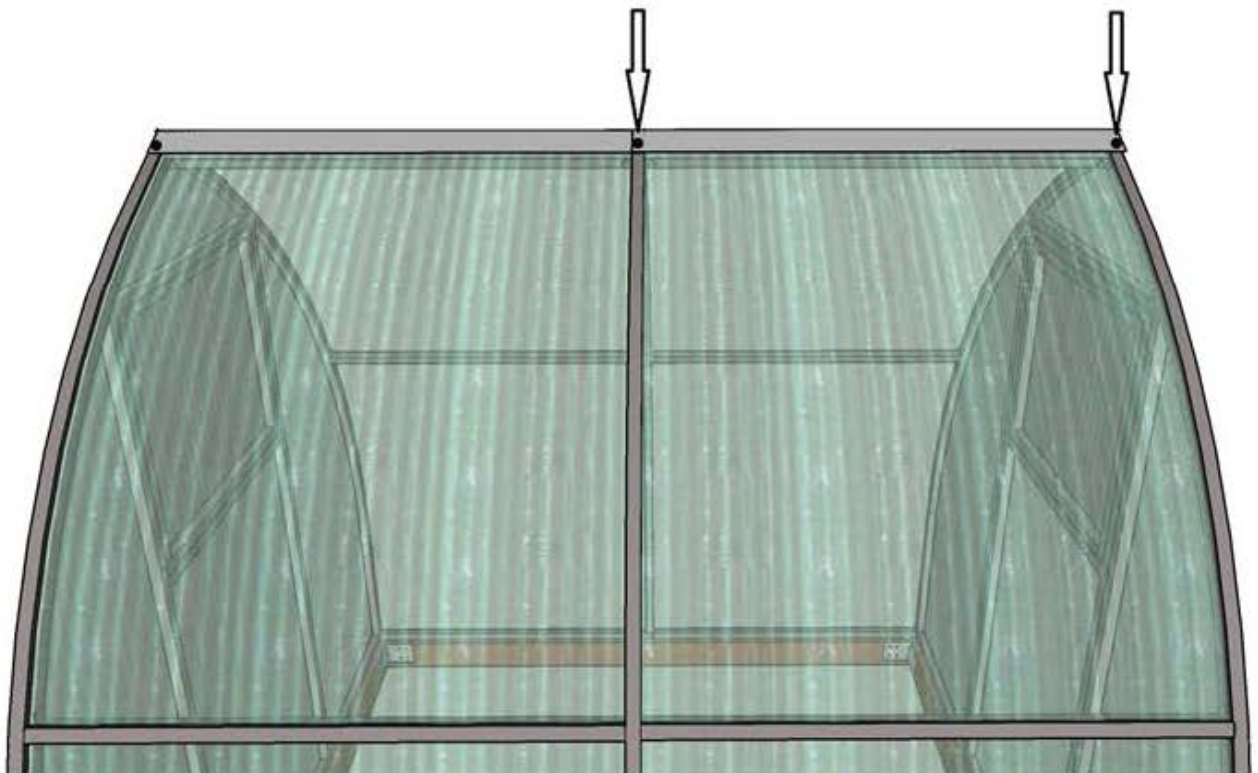
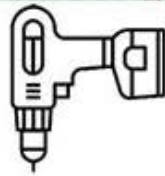
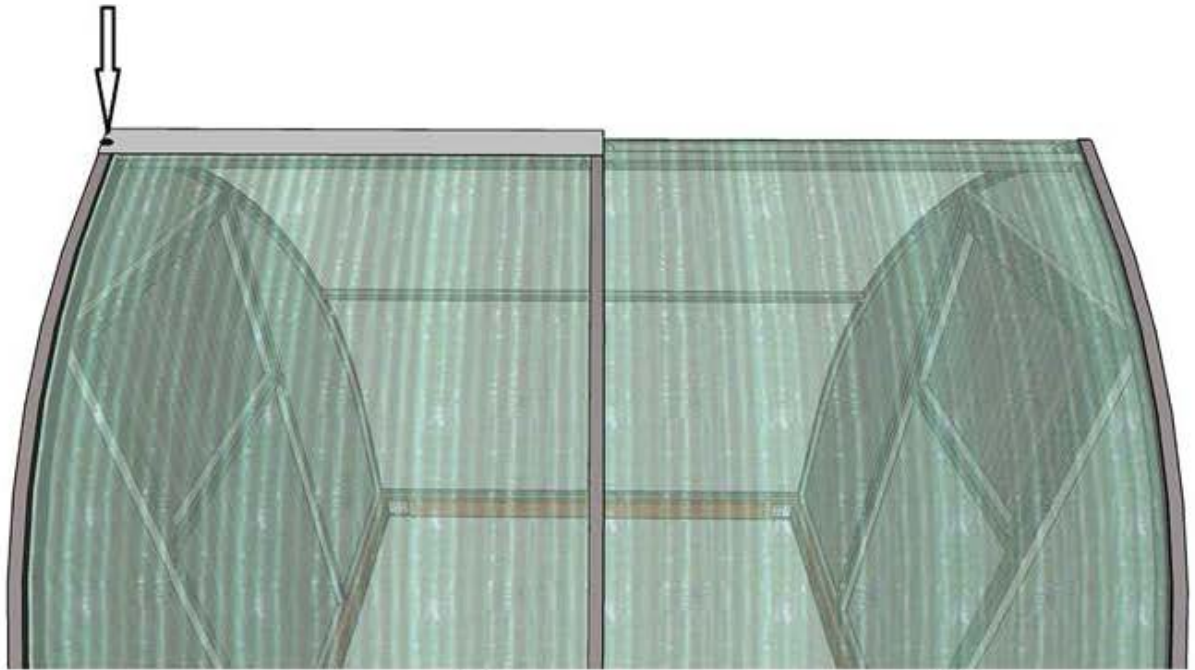
After that, install the ridge cover on the top of the greenhouse, clearly positioning it with the edges of polycarbonate sheets. When joining two ridges, try to overlap each other.

Fasten the ridge cover in the places above the studs ## 03, 11, 12, 14 and 15. In the place of the self-tapping screw for attaching the ridge cover, pre-drill a hole through the ridge cover, base cover, polycarbonate, and the stud.

We recommend installing the ridge cover in the following sequence as in the pictures below:



Picture #27



## LIFT SUPPORT INSTALLATION



1. Rotate Part B of the Lift support, so the hole in it is in the opposite direction than that of part A.
2. Connect Part A with the fastening element N° 1 and part B with fastening element N° 2 using the existing holes on the frames.
3. Attach the Lift support to the frame using the screws from the set. Part A goes to the window, and part B goes on the frame.

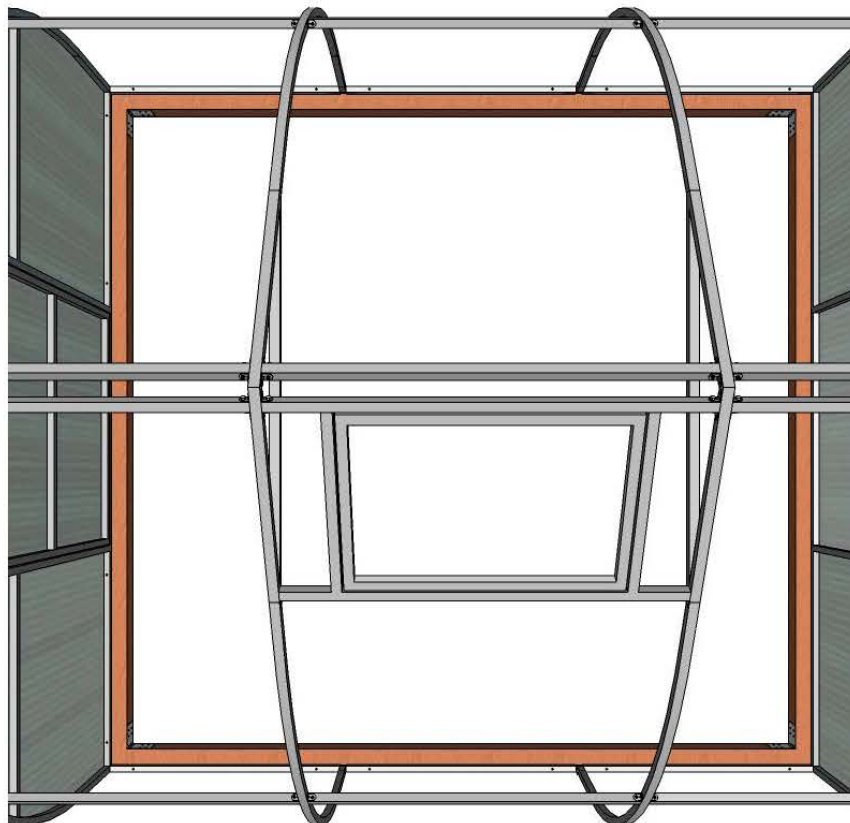
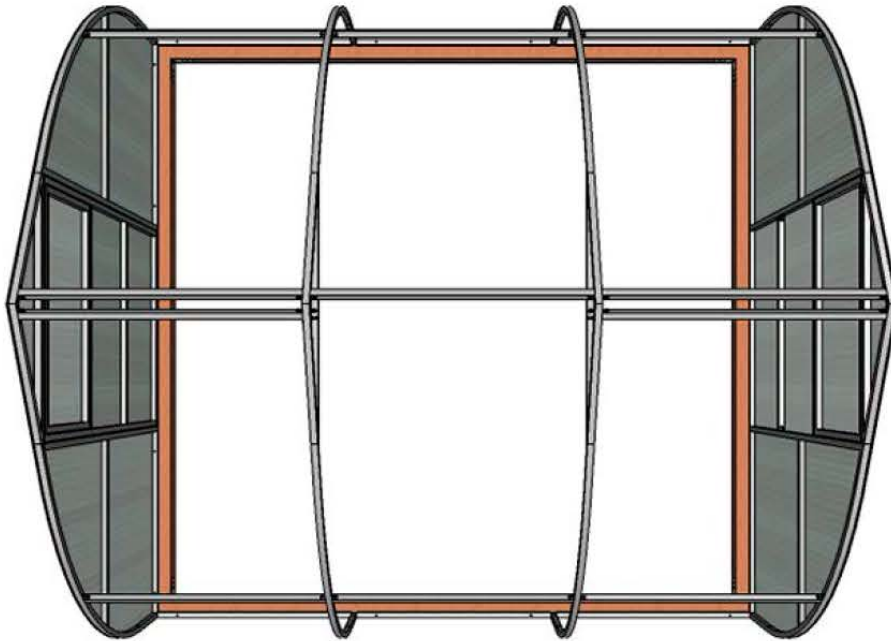




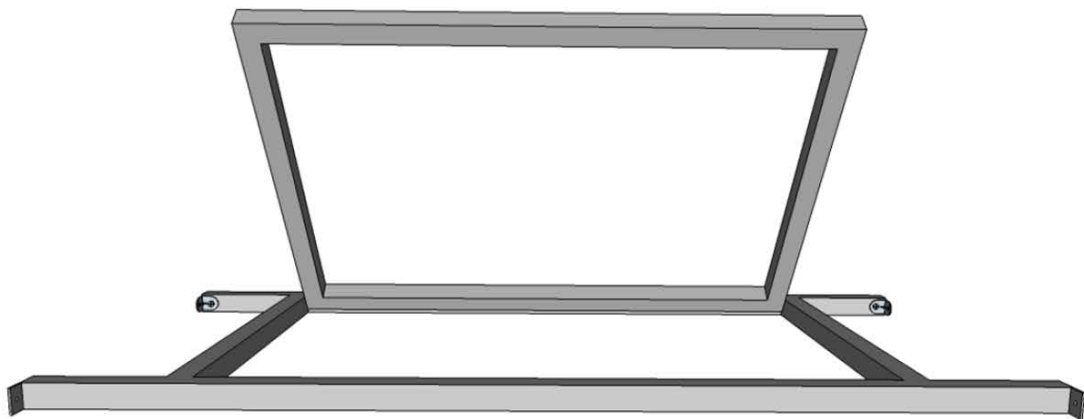
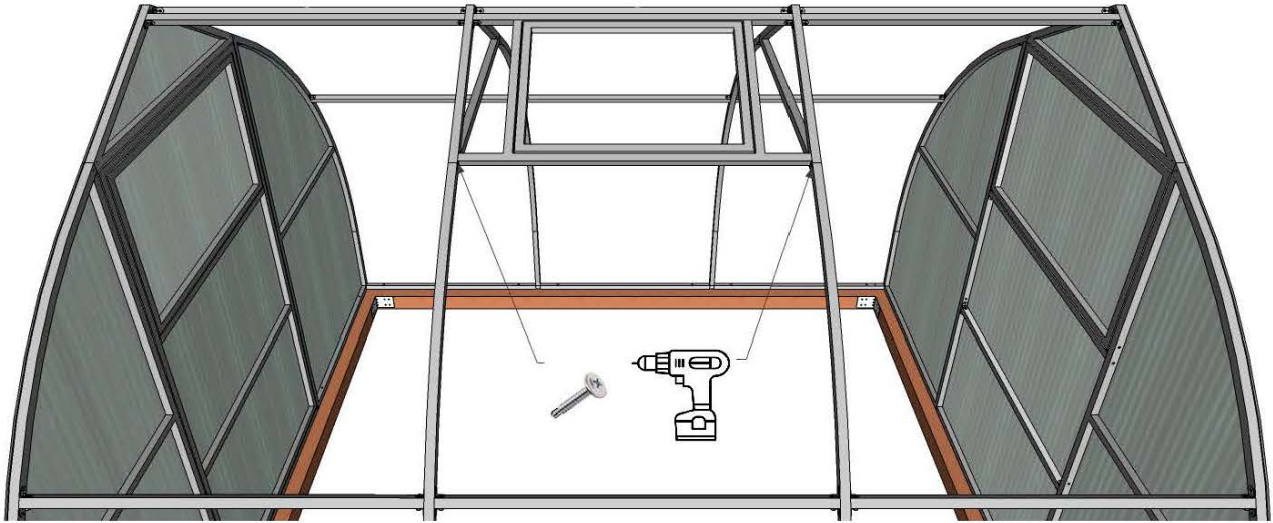
# WINDOW INSALLATION

## Raindrop MD3-MD10, Raindrop L

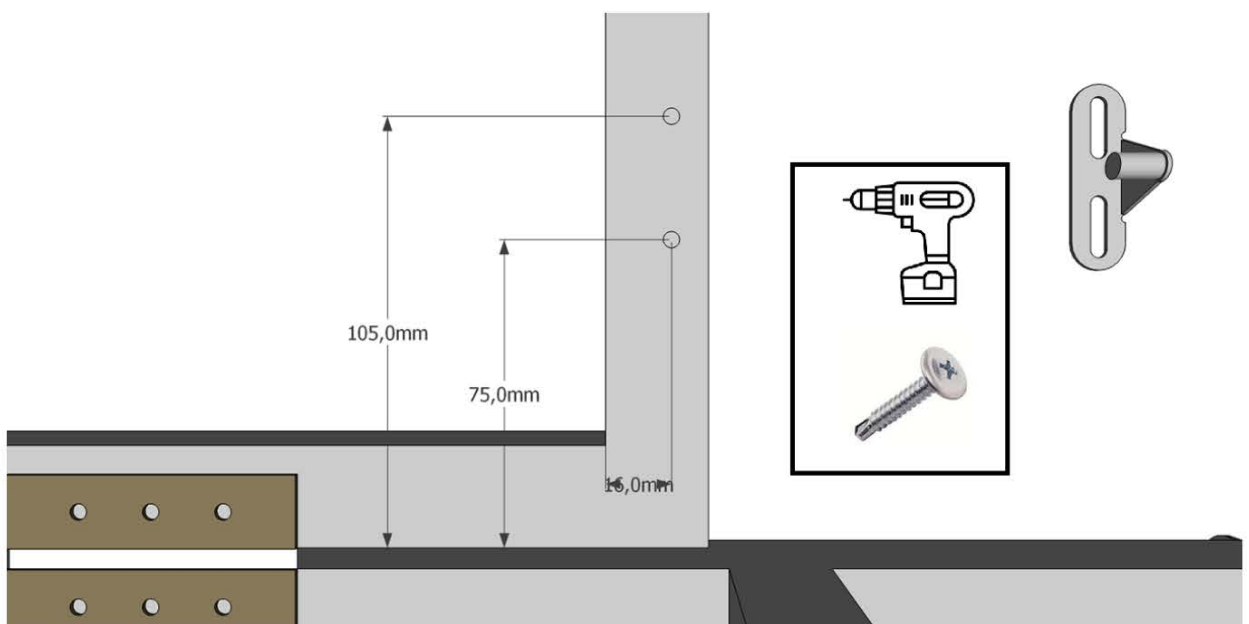
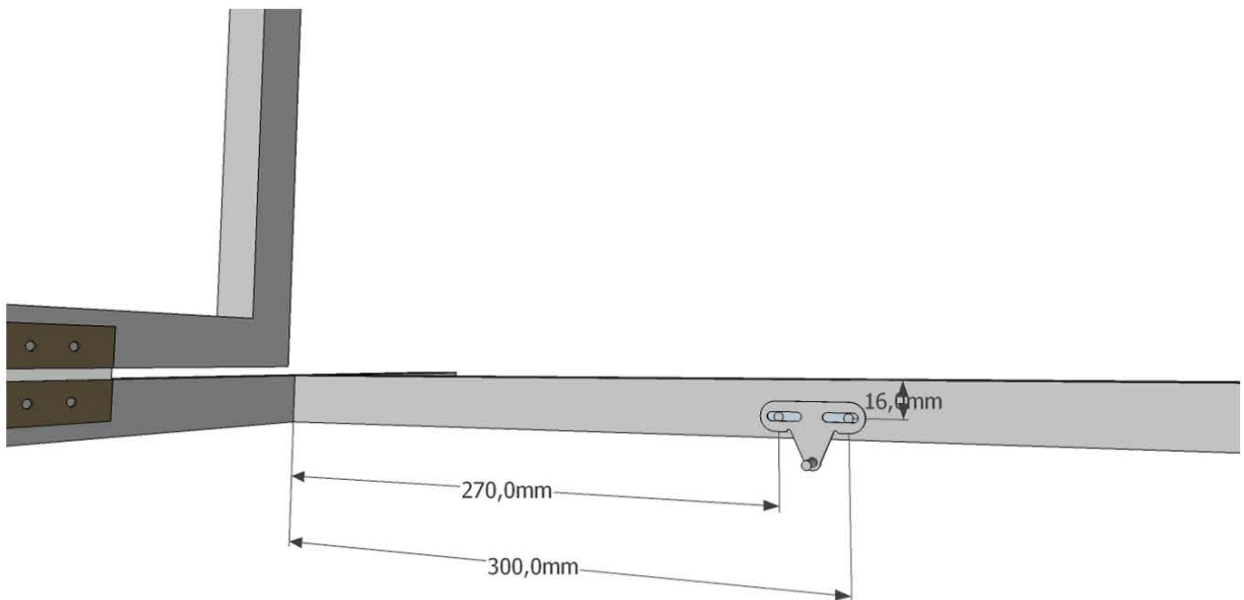
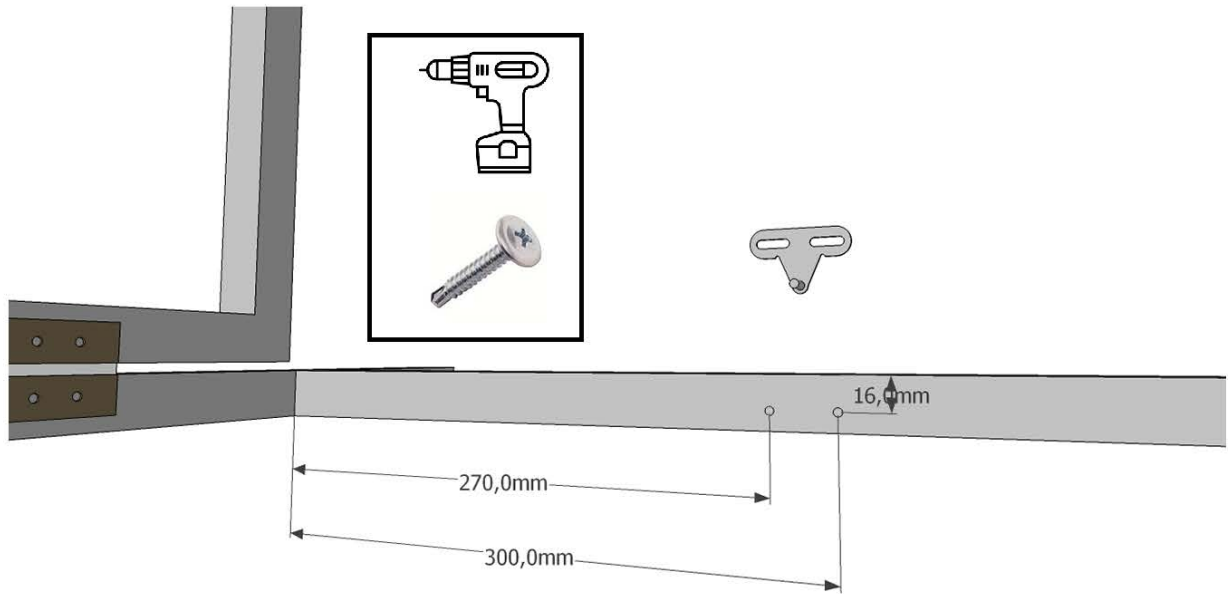
1. In the process of assembling the frame, before installing the side polycarbonate sheets, install the window frame as shown in the picture below.

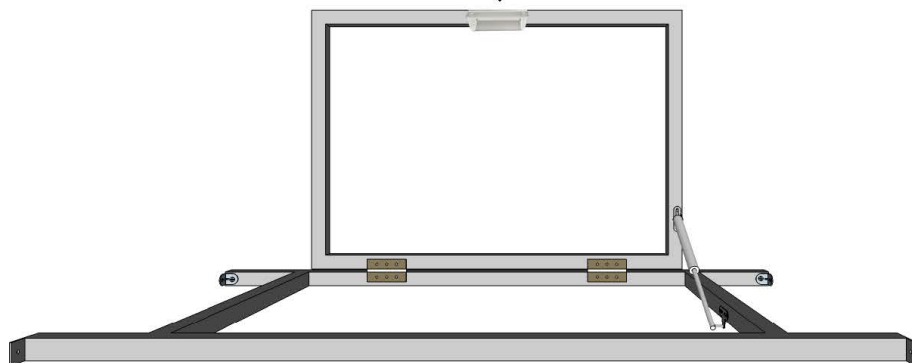
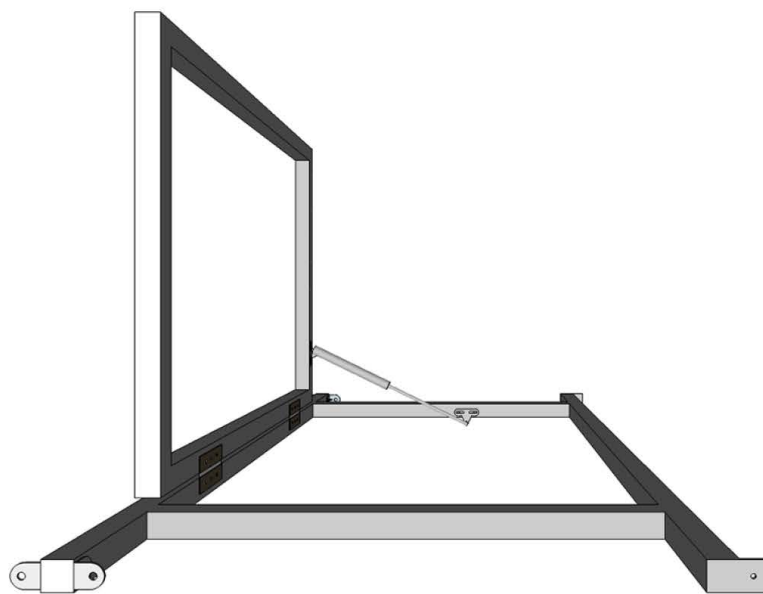
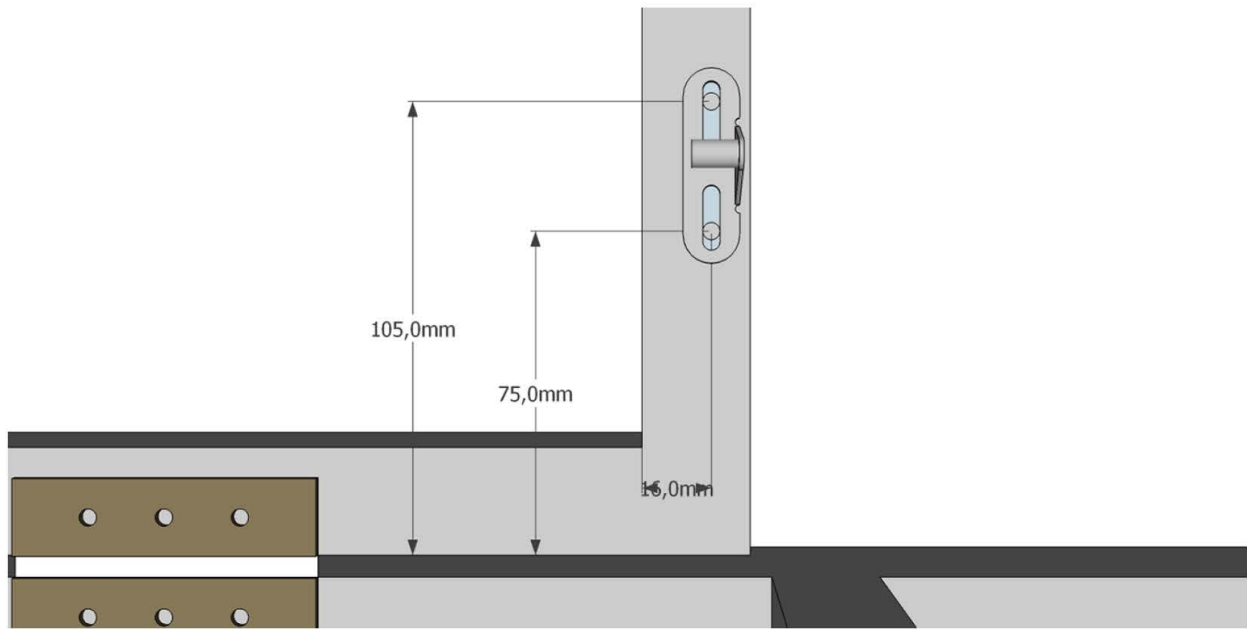


2. Attach the window frame to the vertical Studs #3 with the Countersunk screw 6x35mm #9 and Nut M6 #10.



3. Attach the Lift support #38 as shown in the next following pictures below.

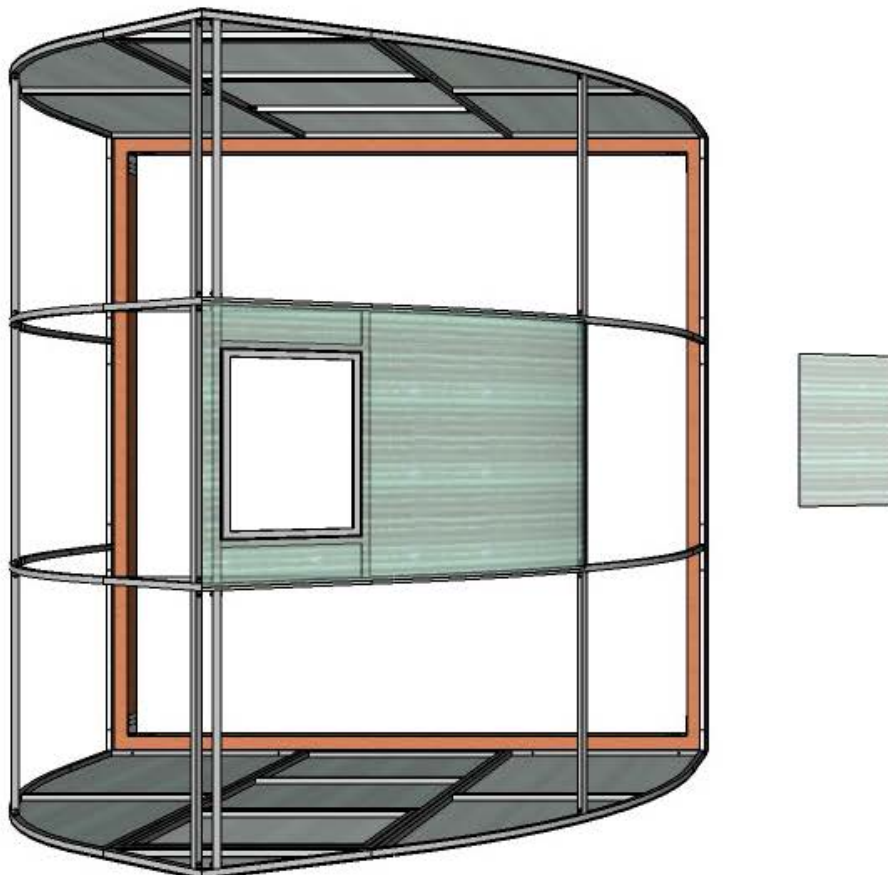
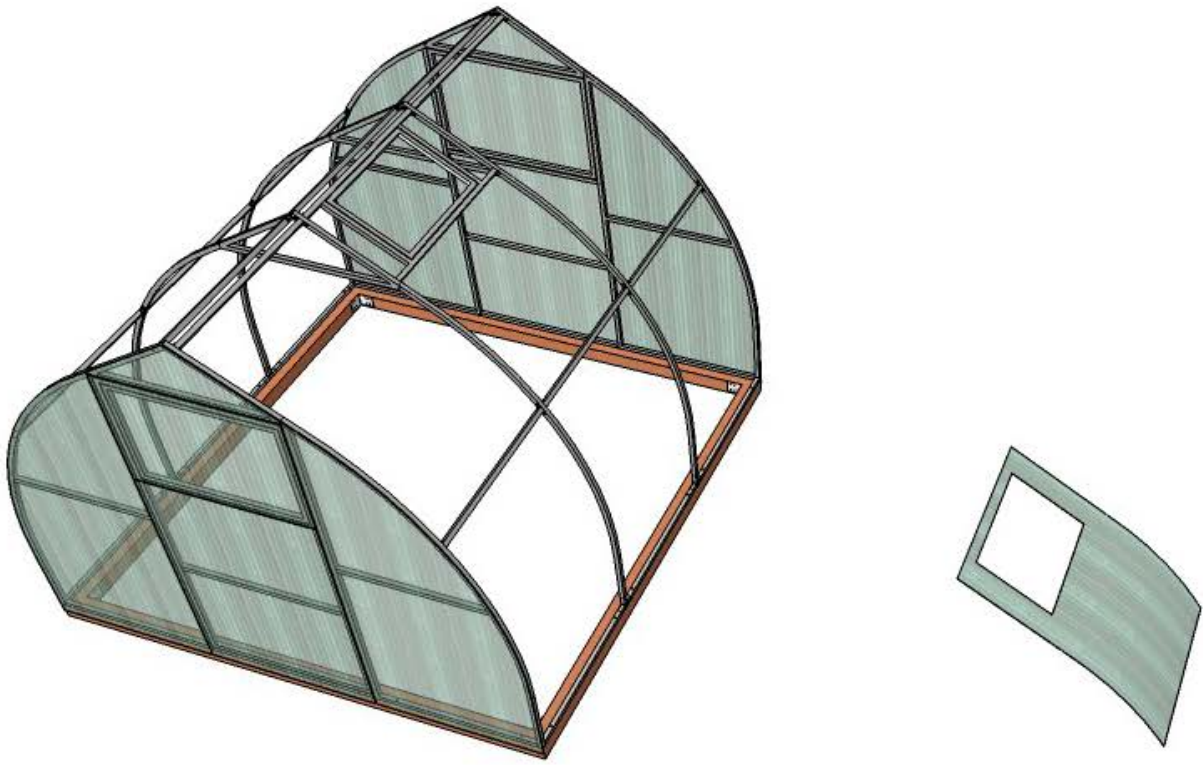




4. Install Seal #35 as shown in the picture below.



5. When installing side polycarbonate sheets, install polycarbonate sheet #12 instead of sheet #11 in the opening between the posts, where you installed the window.



6. On the window frame, install sheet #13.

