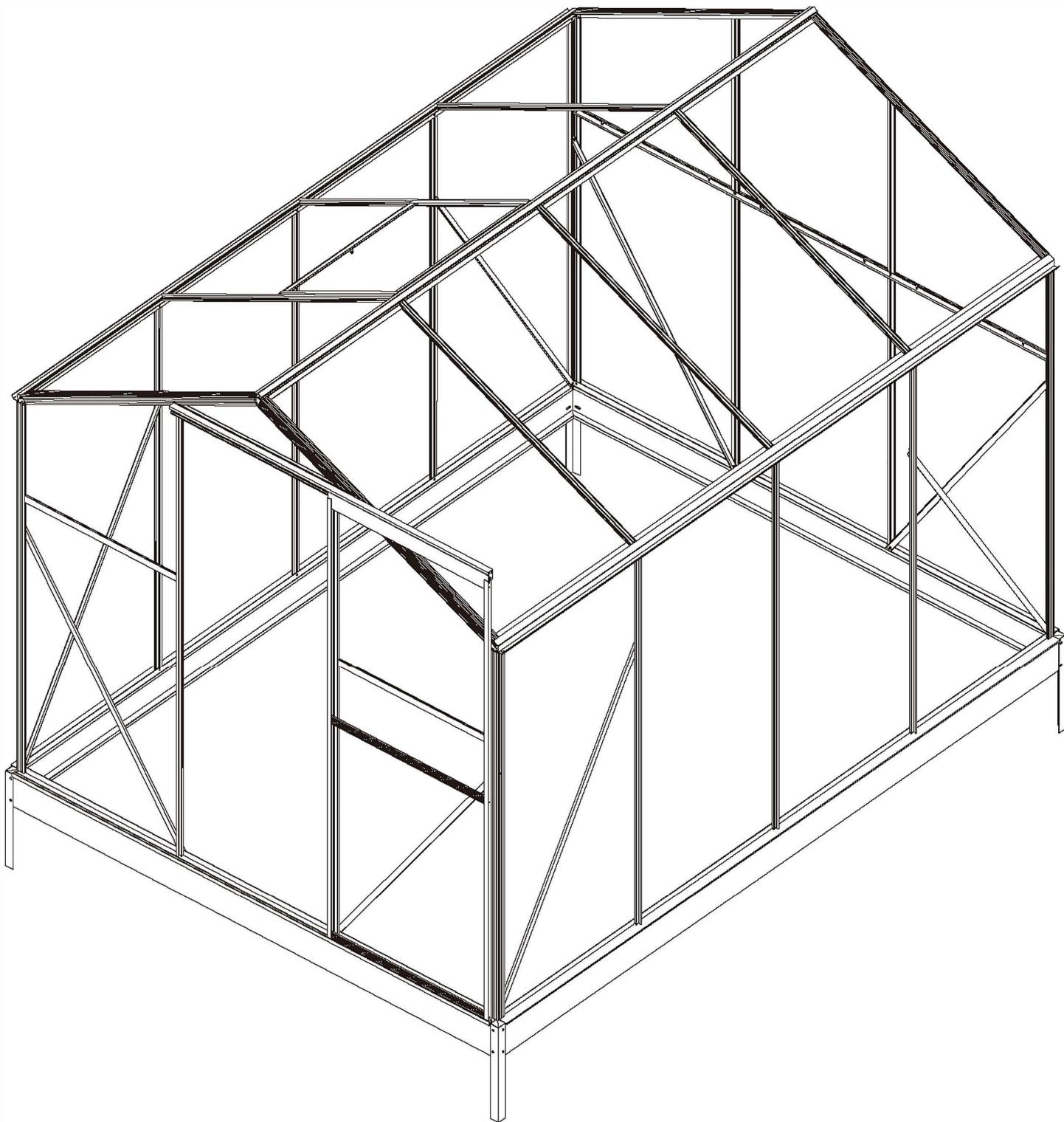


# **Assembly Manual**

## **for Polycarbonate Greenhouses**

### **8 x 6 Greenhouse**



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## for Polycarbonate Greenhouses

### **8 x 6 Greenhouse**

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## INTRODUCTION

### CONGRATULATIONS

Congratulations on purchasing a Greenhouse. Please read the assembly manual and familiarise yourself with the parts and steps before assembling your Greenhouse.

### NOTICE

It will take at least two adults about three hours to assemble the greenhouse. Do not assemble the greenhouse if tired or under the influence of alcohol, drugs or medication.

Follow the manual step by step.

Keep this manual for future reference.

### IMPORTANT

The Greenhouse contains parts with sharp edges. Handle with care.

### WEATHER

Do not assemble the greenhouse on a windy day.

### USAGE

This is a hobby greenhouse. Use it as intended only.

Do not allow children or pets to play in the greenhouse.

### WORKING AREA

Keep bystanders, kids or pets out of the working area.

### TOOLS

Safety Work Gloves, Safety Goggles, Spirit Level, Tape Measure, Step Ladders, Philips Screwdriver, 8mm M5 Wrench, 10mm M6 Wrench

### GENERAL ADVICE

#### POLYCARBONATE SHEETS (Panels)

Polycarbonate sheets may scratch so be careful what you clean them with.

Do not use solvent cleaners to clean the sheets.

Polycarbonate sheets have sharp edges. Use safety work gloves while handling them.

Remove about 2 inches of films from all edges before installing.

Use the sheets as intended.

Remove all films after the construction is completed.

The UV-protected side of the sheet is covered with a layer of opal white film and must face the sun.

## BASE

As per your choice, you may receive a greenhouse with or without a pre-fabricated base kit. Either way, this greenhouse must be secured to a firm base.

The Base must be level and square.

Before assembling the greenhouse, you must prepare a proper foundation. Two foundation options are provided in this manual. The concrete foundation option is recommended for a stronger installation.

## SITE SELECTION

The greenhouse should be placed in an area that receives direct sunlight and gets shielded from wind.

The surface must be level.

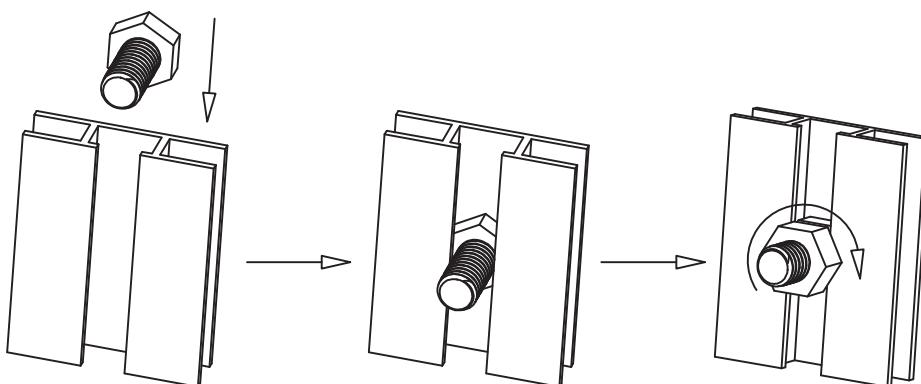
## ABOUT THIS MANUAL

### LEGENDS

**A** **Steps.** Follow the steps in alphabetic order, from Step A to Step B, etc.

**F1** **Part No.** Each part is labeled with its Part No.

## BOLT INSERTION



Several steps in this manual involve inserting F4 Bolts into the groove of Aluminum profiles as a preparation for further installation. Diagrams above illustrate how to use such inserted bolts.

## F4 BOLTS AND NUTS

Part No. F4 refers to both the bolt and the nut. In some steps only the bolt or the nut will be used and in other steps the whole set will be used. Check the specific Part List in each step.

## **SEALING**

Sealing the greenhouse by applying glue or tapes between the polycarbonate sheets and aluminum profiles will keep insects out and provide better stability against wind.

Sealant and glue gun are not included.

## **PARTS**

Identify all parts using the parts list on next page and labels on the parts.

Layout each part needed for a step before working on that step.

## **MAINTENANCE**

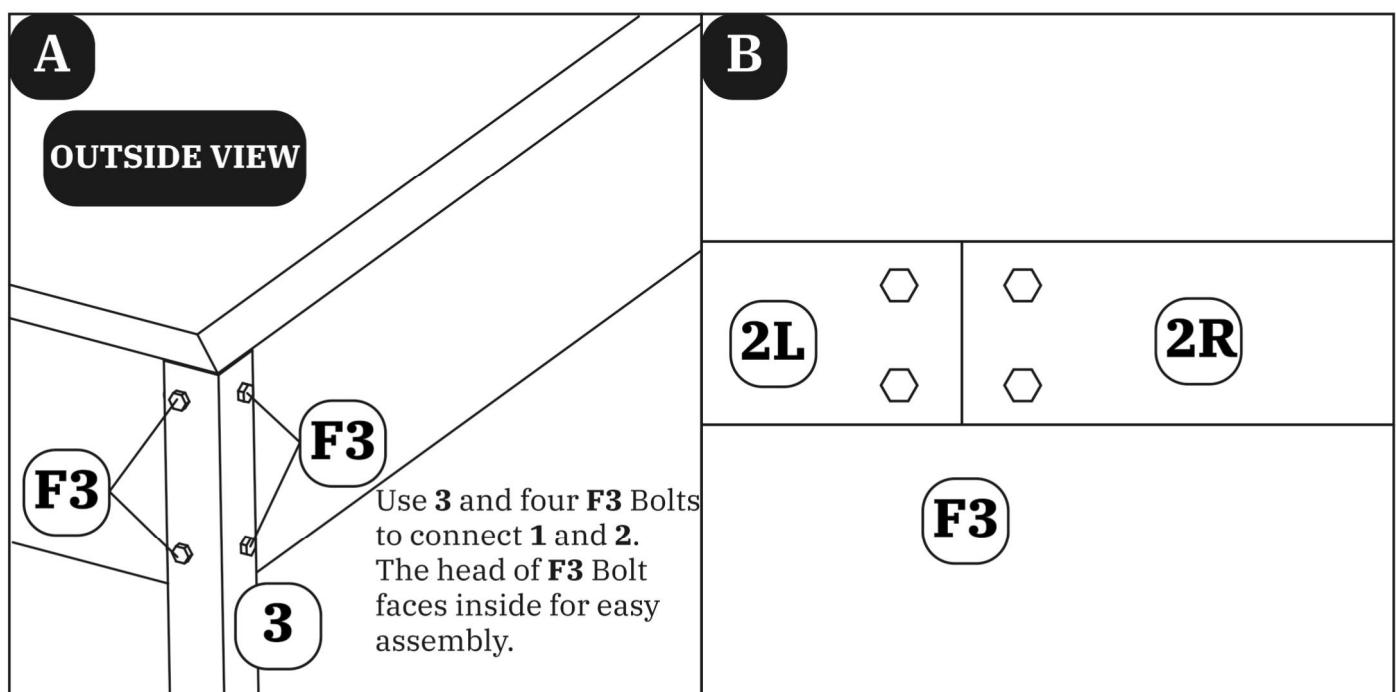
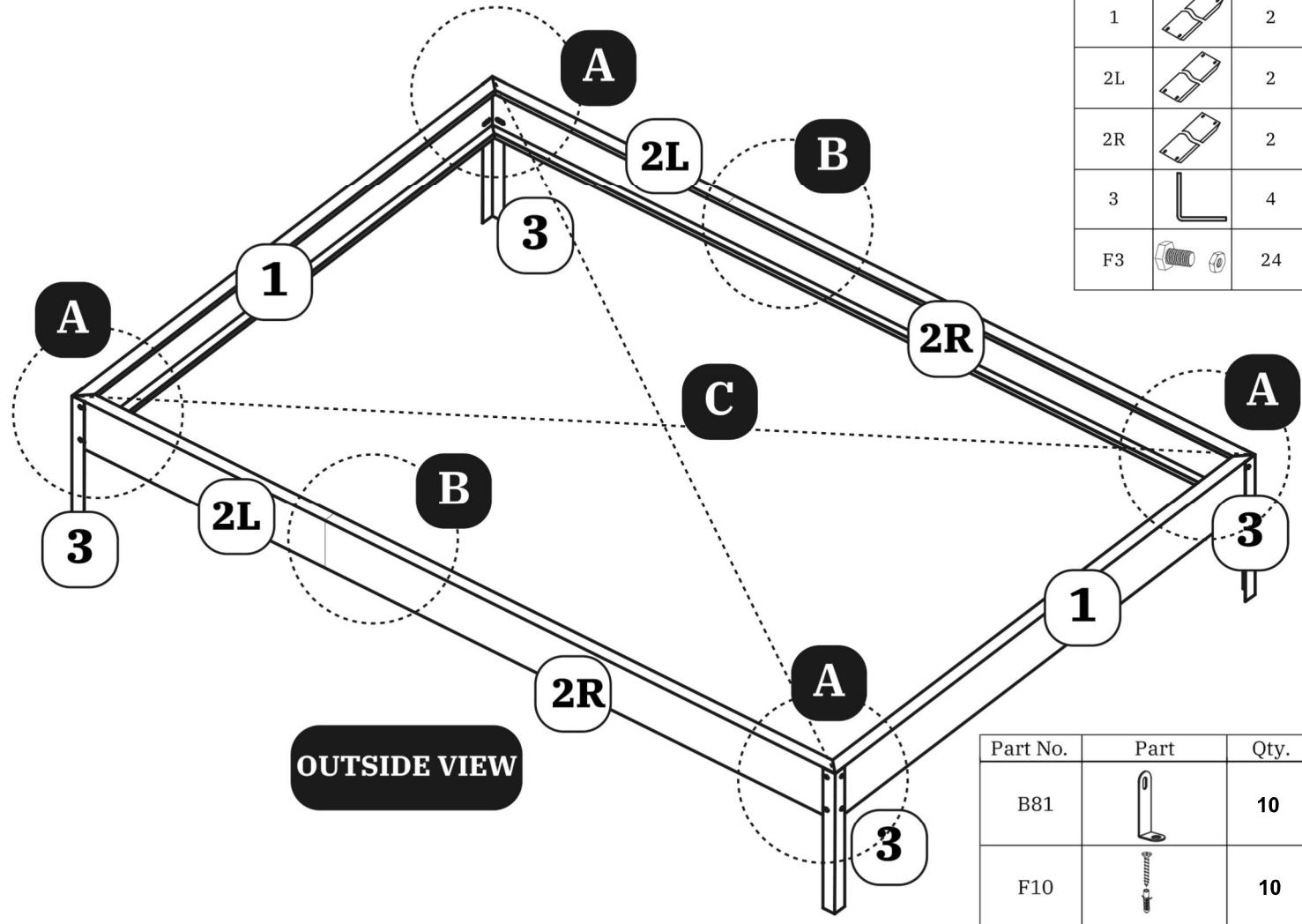
Inspect the greenhouse periodically.

When the greenhouse needs cleaning, use a gentle detergent.

Please contact seller on your account for help if have any problem when assemble or miss something, we will try our best to help you solve the issue.

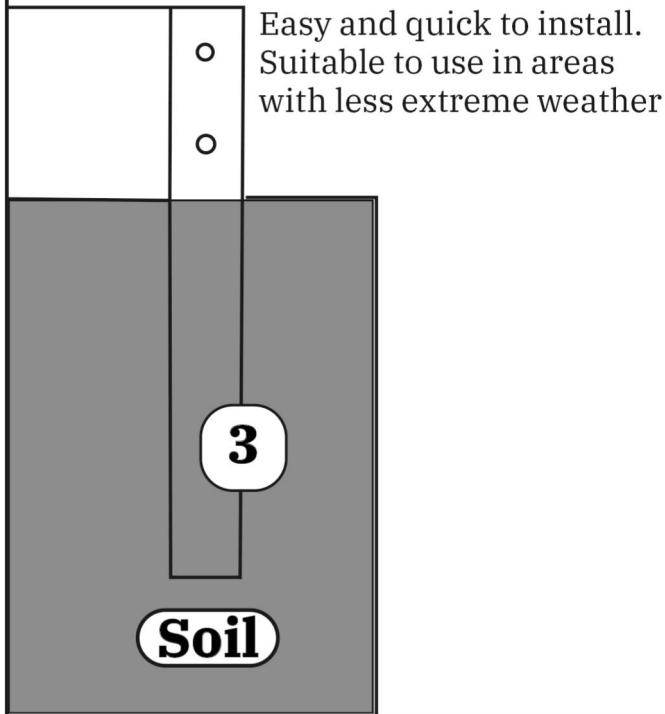
## PARTS LIST

## Assembling of Pre-fabricated Base

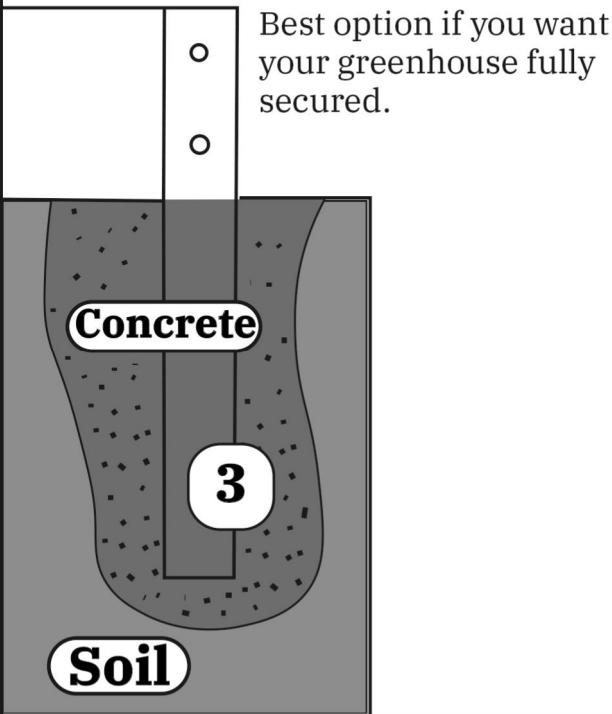


## Two foundation options with pre-fabricated Base

### Option 1 Corner Stakes mounted into the soil



### Option 2 Corner Stakes mounted into concrete



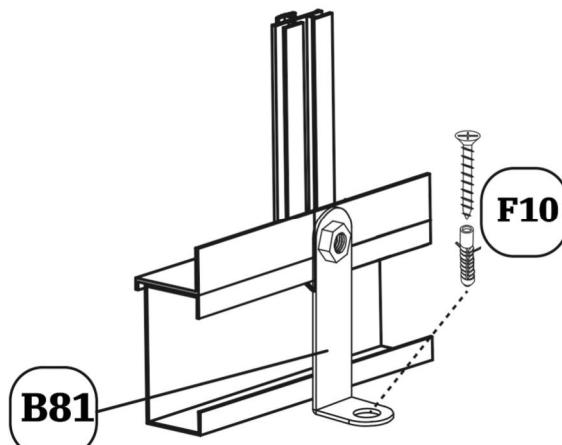
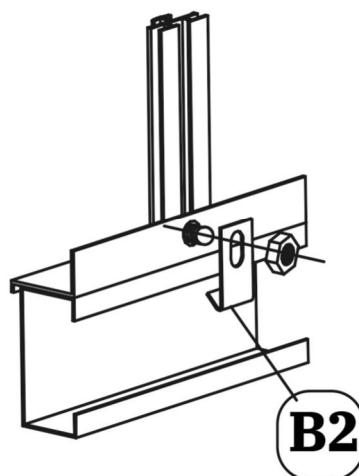
**B**

Notice: If you choose option 2, the base can only be secured to the concrete floor after the greenhouse is fully assembled and attached to the base.

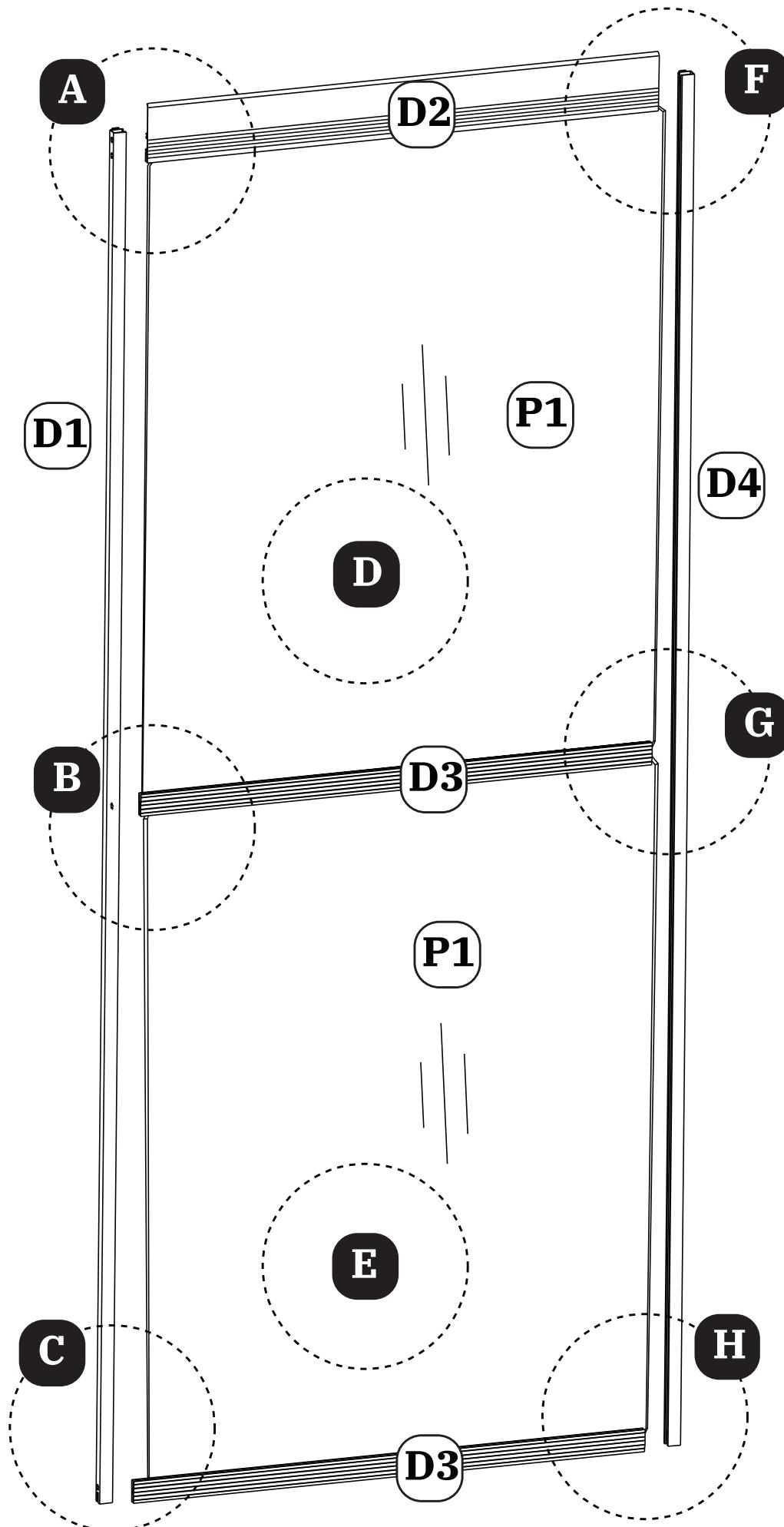
Take the fully assembled greenhouse with base to the chosen site.  
Detach **B2** and the screw, but keep the greenhouse on the base.  
Attach **B2**, **B81** and the screw to the bolt.  
Secure base to the concrete floor with **F10**.

Warning:

When choosing which **B2** to detach, avoid the **B2** on 7.



## 1. Assembling of Door



Part No.	Part	Qty.
D1		1
D2		1
D3		2
D4		1
F1		8
P1		2

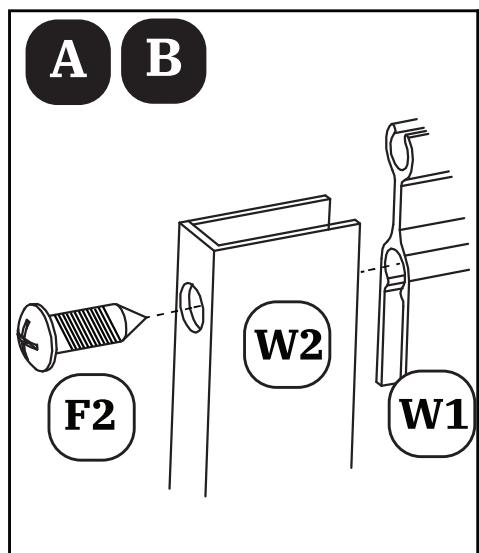
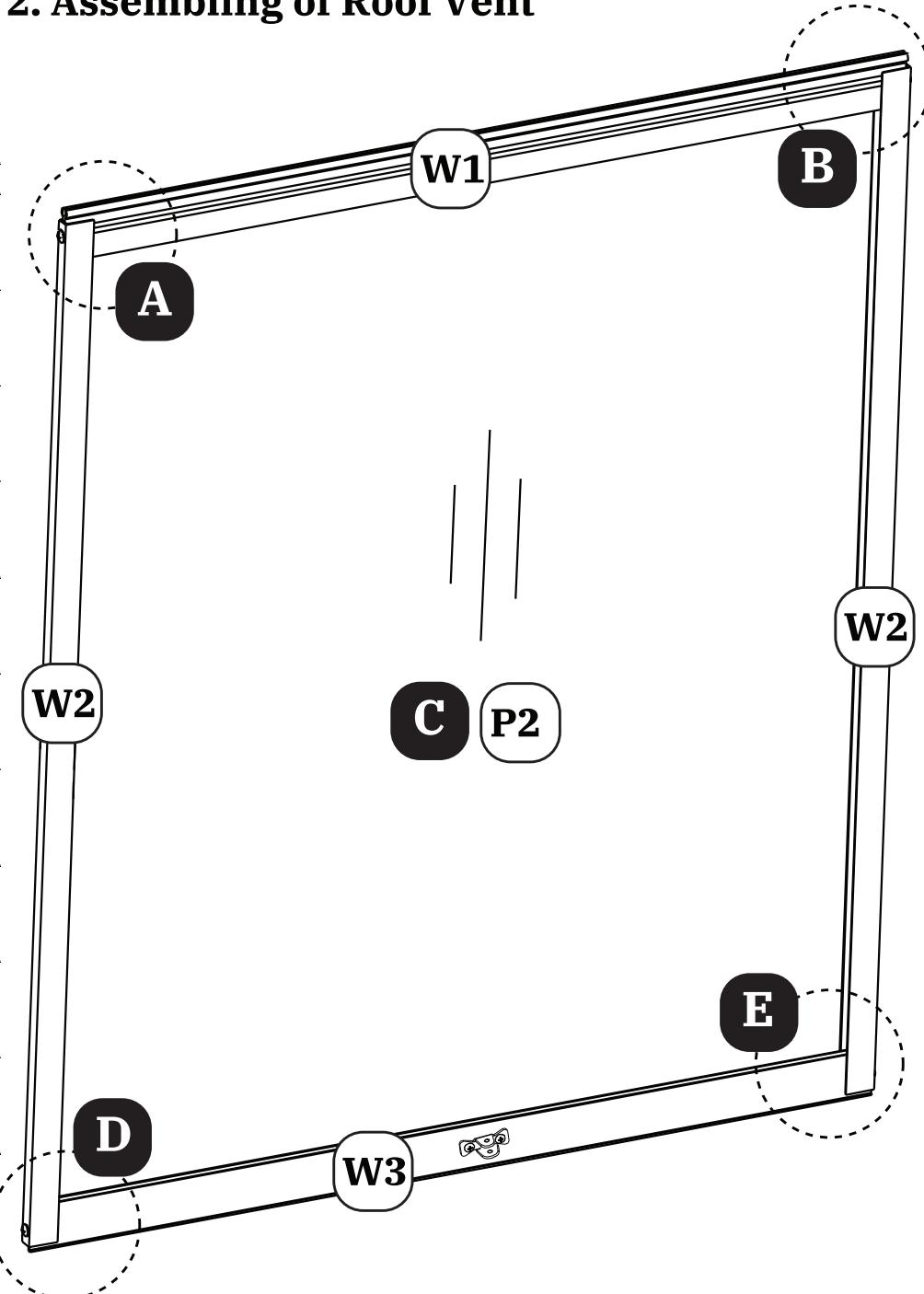
OUTSIDE VIEW

## 1. Assembling of Door Continued

<p><b>A</b></p>	<p><b>B</b></p>	<p><b>C</b></p>
<p><b>D</b></p> <p>Insert P1 into the grooves of D1, D2, and D3. Direction: Right to Left.</p>	<p><b>E</b></p> <p>Insert P1 into the grooves of D1, D3, and D3. Direction: Right to Left.</p>	<p><b>F</b></p>
<p><b>G</b></p>	<p><b>H</b></p>	<p><b>Notice:</b></p> <ol style="list-style-type: none"> <li>1. D1 and D4 are not interchangeable.</li> <li>2. Note the orientation of D3</li> </ol>

## 2. Assembling of Roof Vent

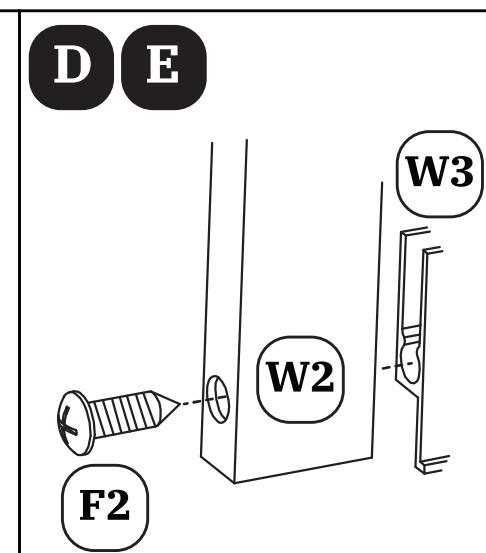
Part No.	Part	Qty.
W1		1
W2		2
W3		1
W4		1
S8		1
S9		1
F2		4
F8		1
F9		1
P2		1



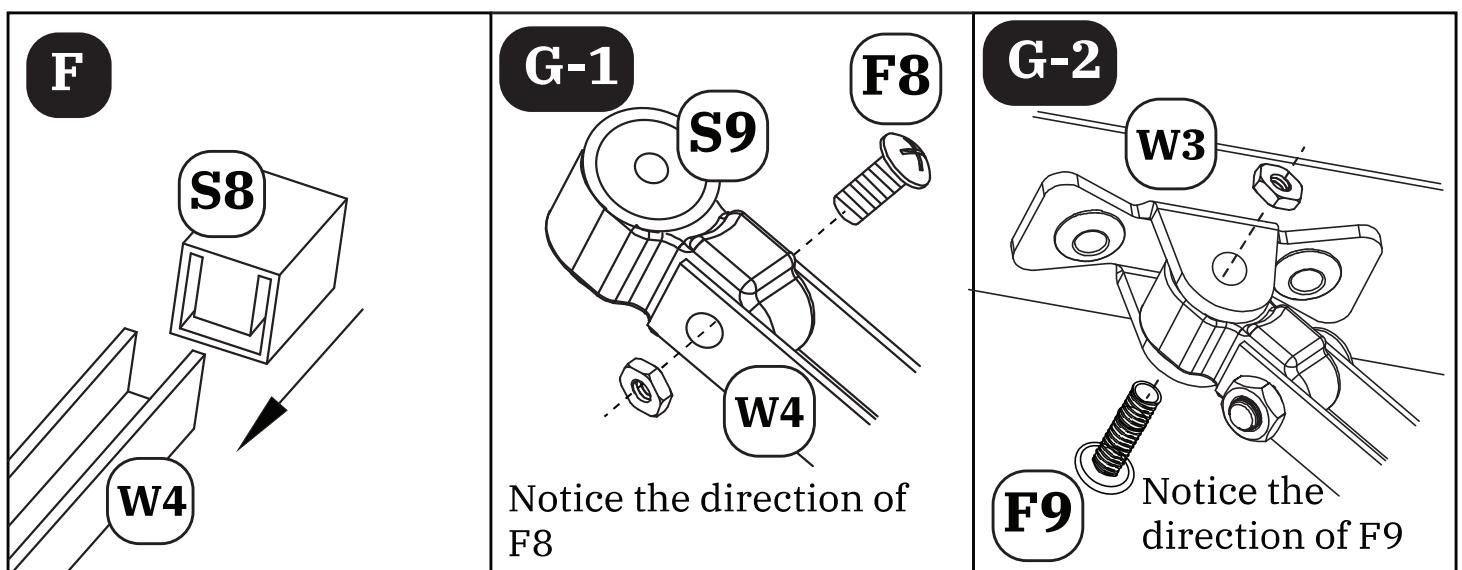
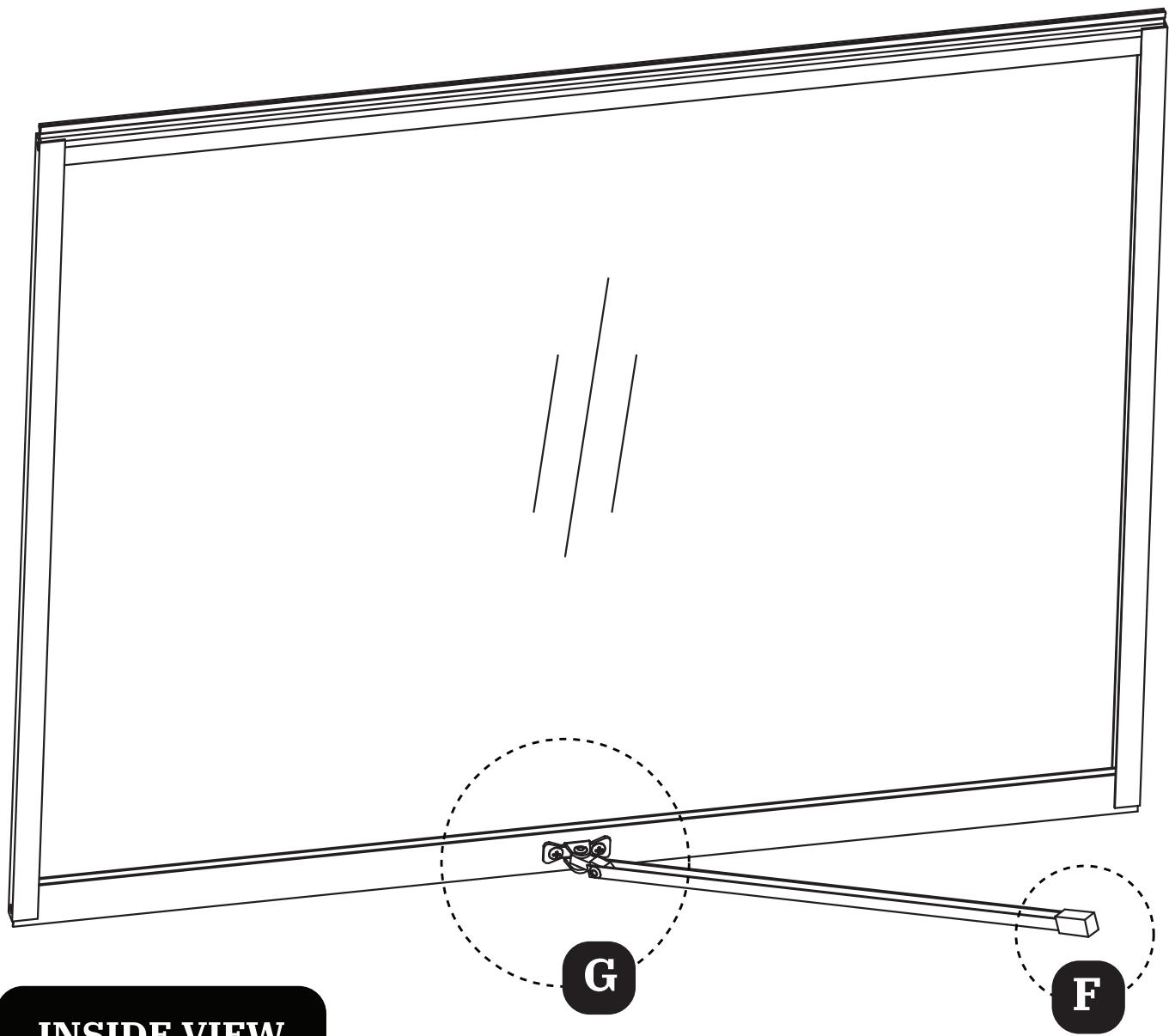
**C**

Insert P2 into the grooves of D1, D3, and D3.  
Direction: Bottom to Top

↑

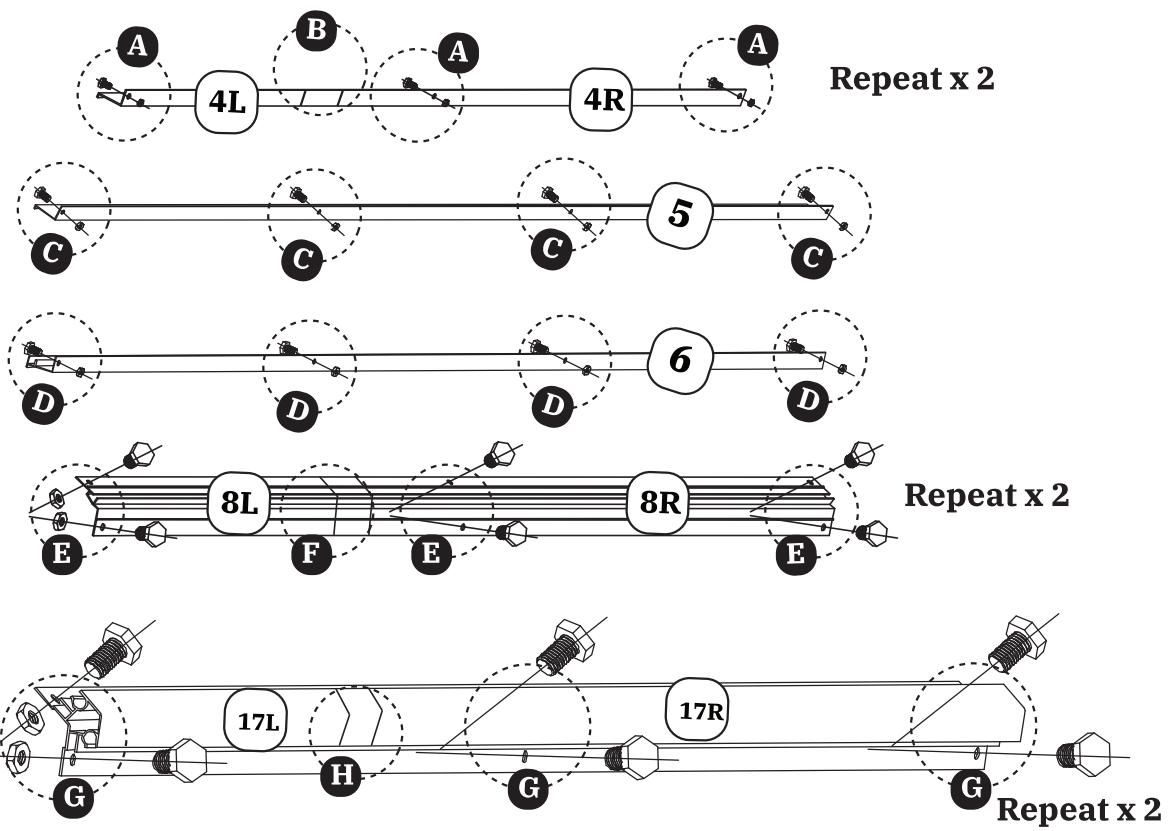
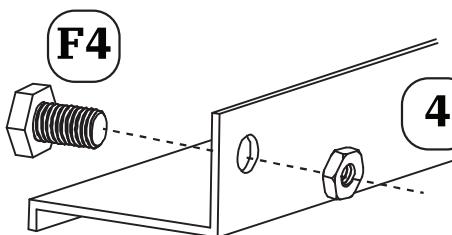
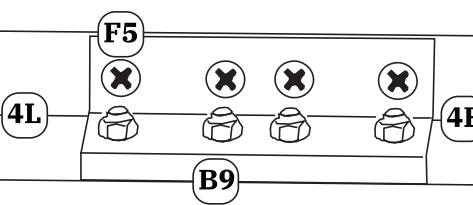
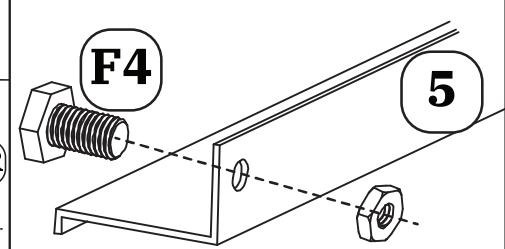
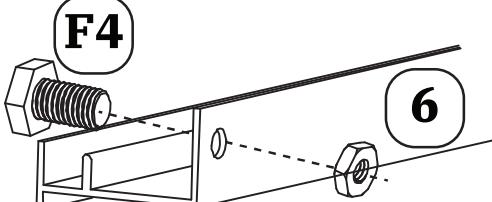
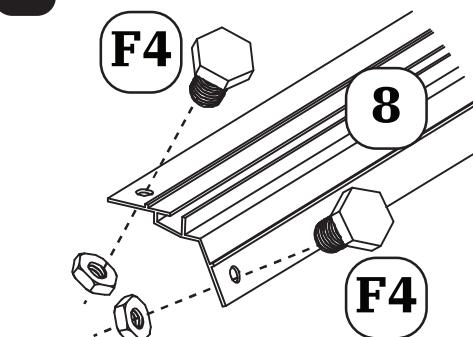
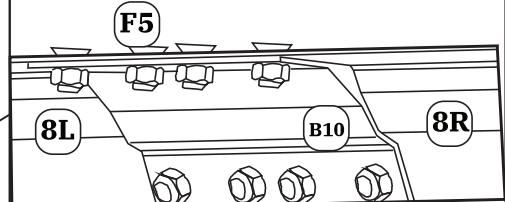


## 2. Assembling of Roof Vent Continued

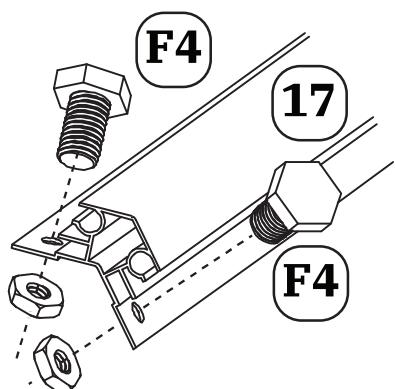
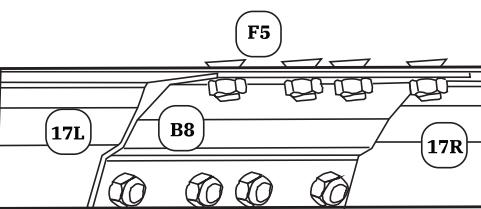


### 3. Assembling of Main Frame

Part No.	Part	Qty
4L		2
4R		2
5		1
6		1
8L		2
8R		2
17L		1
17R		1
F4		48
F5		40
B8		1
B9		2
B10		2

**A****B****C****D****E****F**

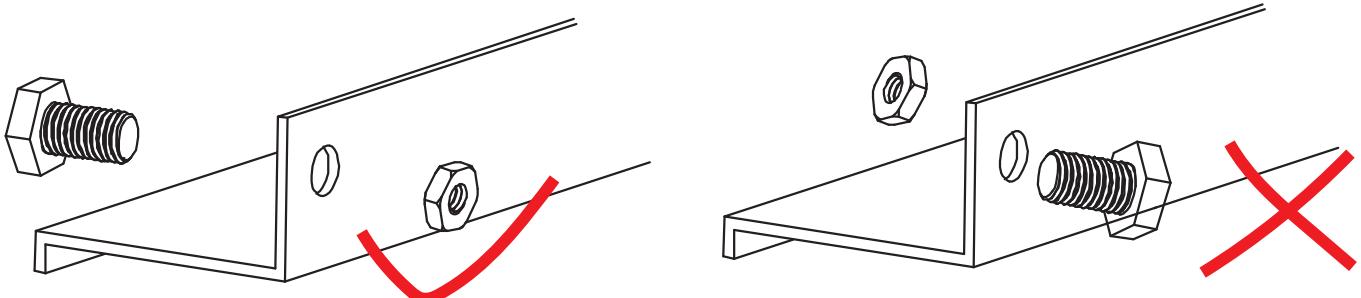
### 3. Assembling of Main Frame Continued

**G****H**

Notice the orientation of F5 Bolt's head and nut.

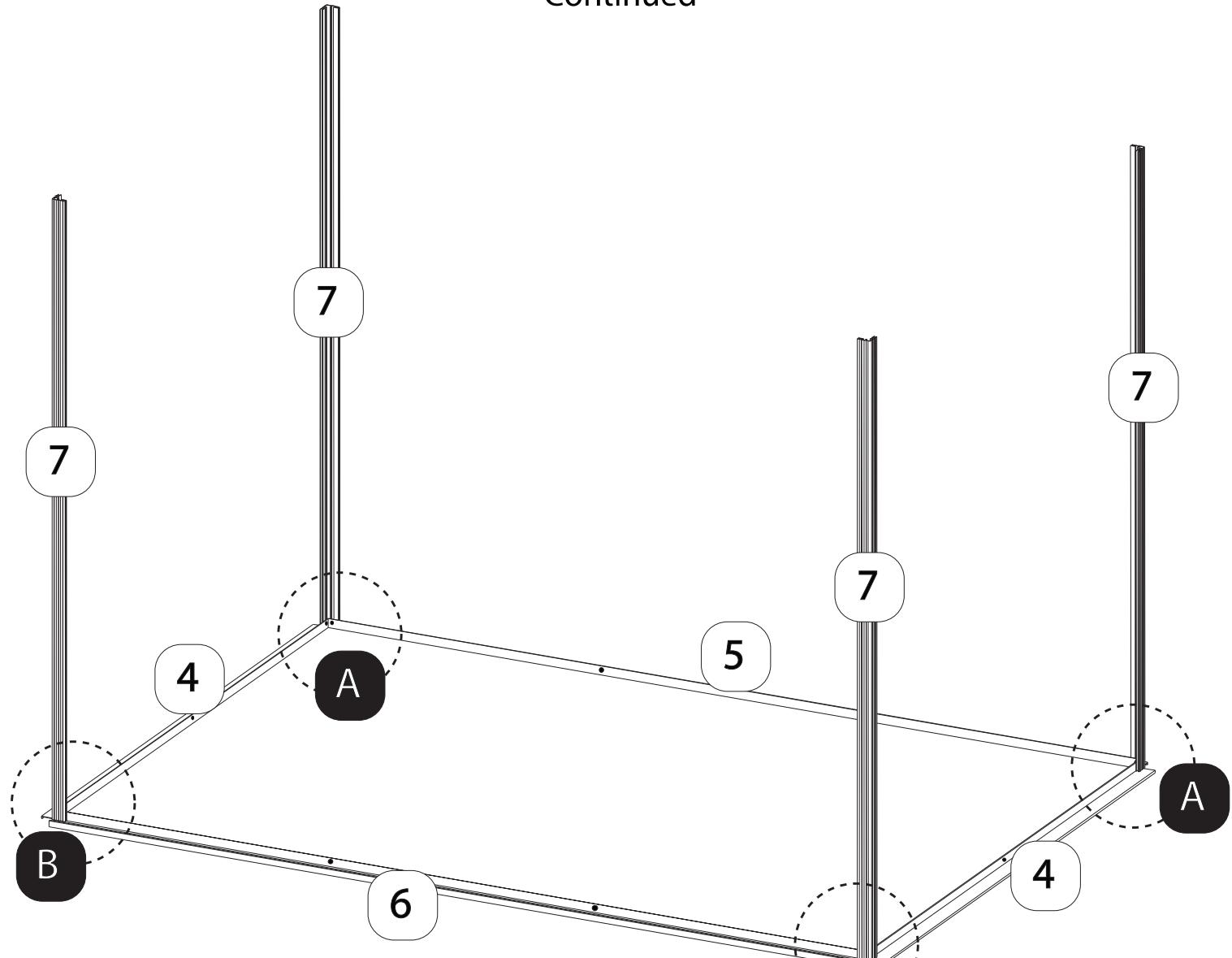
**Notice**

1. Do not tighten the nut. Only loosely screw it onto the thread.
2. Note that the orientation of the bolt and the nut cannot be changed. See the diagram below for better understanding.

**Notice**

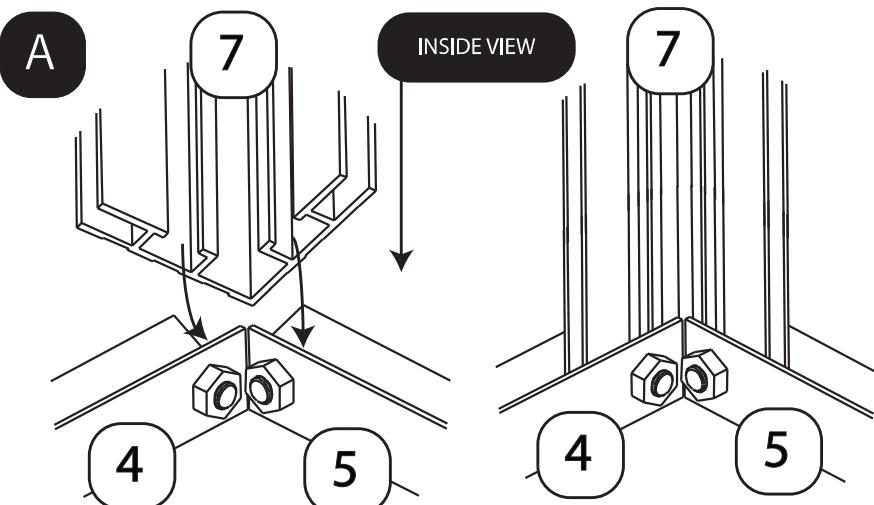
For better visibility, the front wall and backwall shown from the second part of step 3 to step 6 have been distorted and thus look wider than the side walls. In reality, the side walls are wider.

### 3. Assembling of Main Frame Continued



Part No.	Part	Qty.
4		2
5		1
6		1
7		4
10L		1
10R		1
F4		20

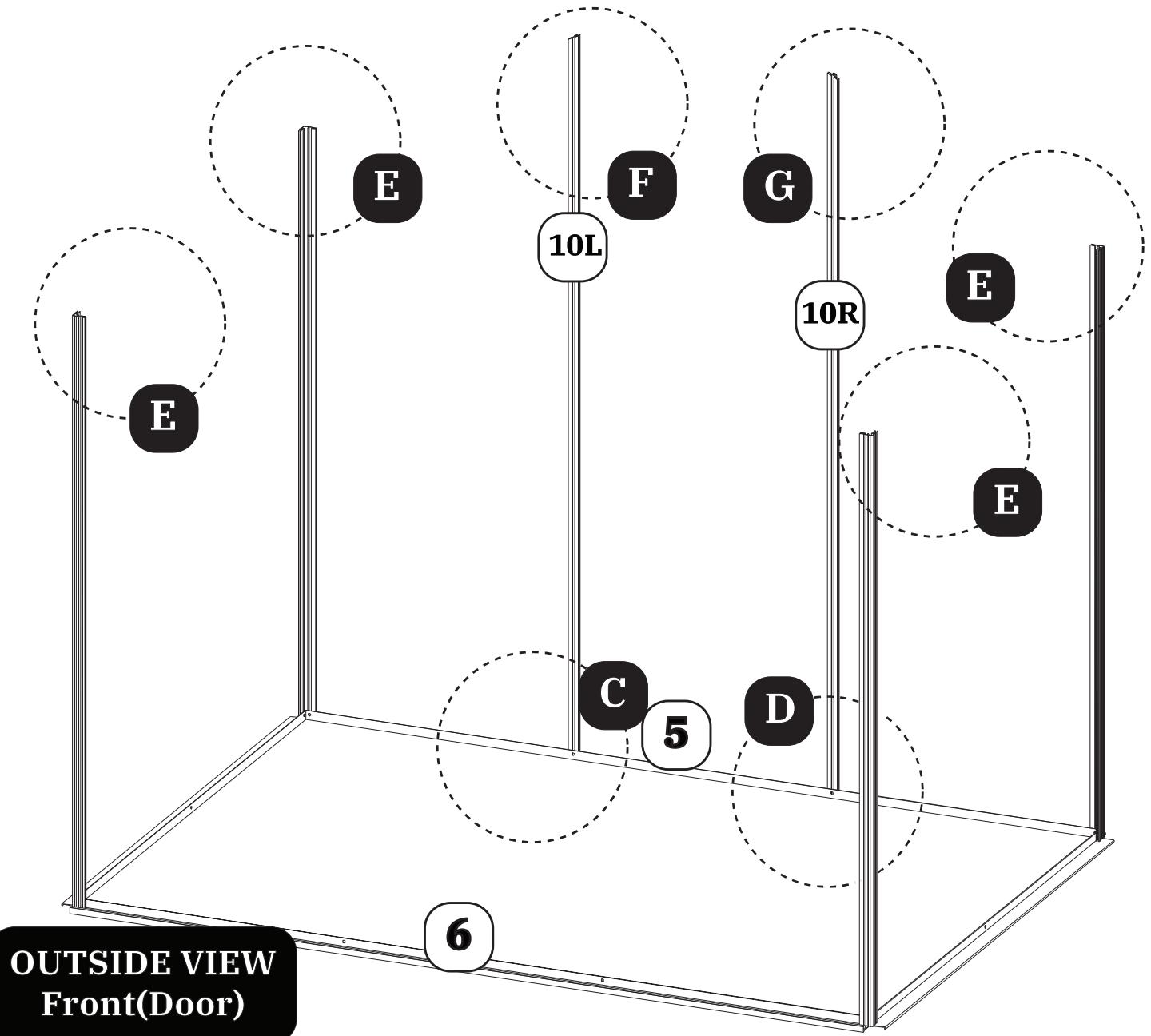
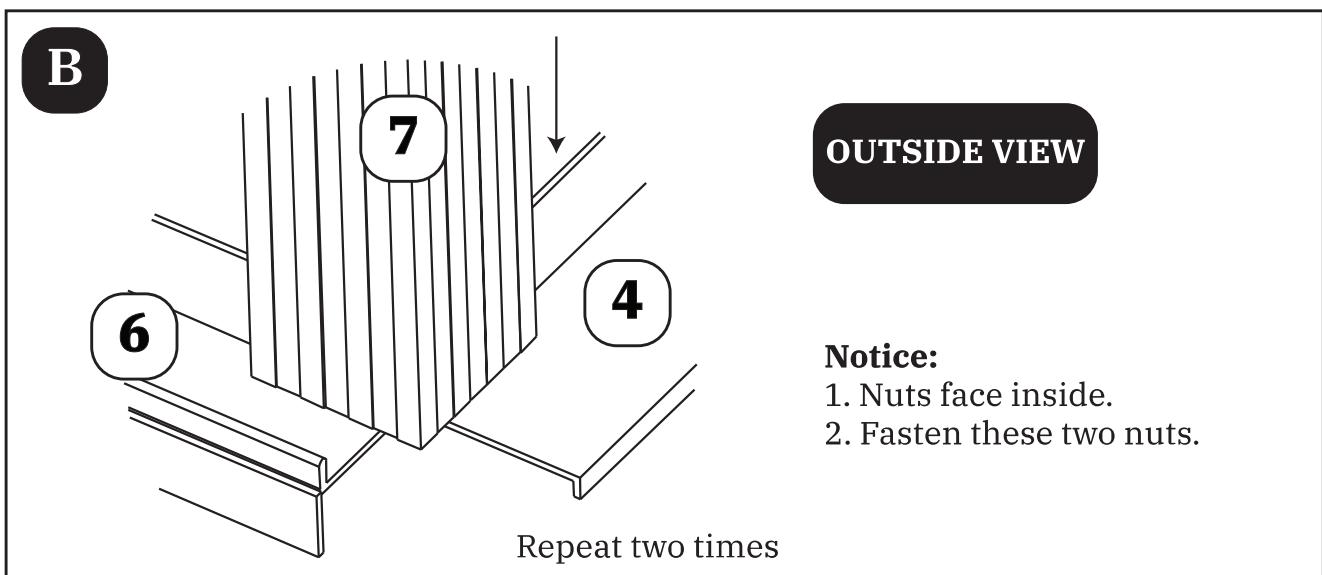
OUTSIDE VIEW  
Front(Door)



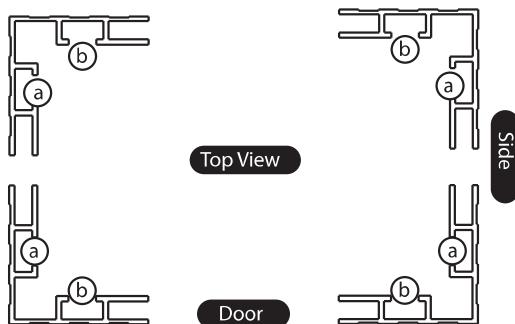
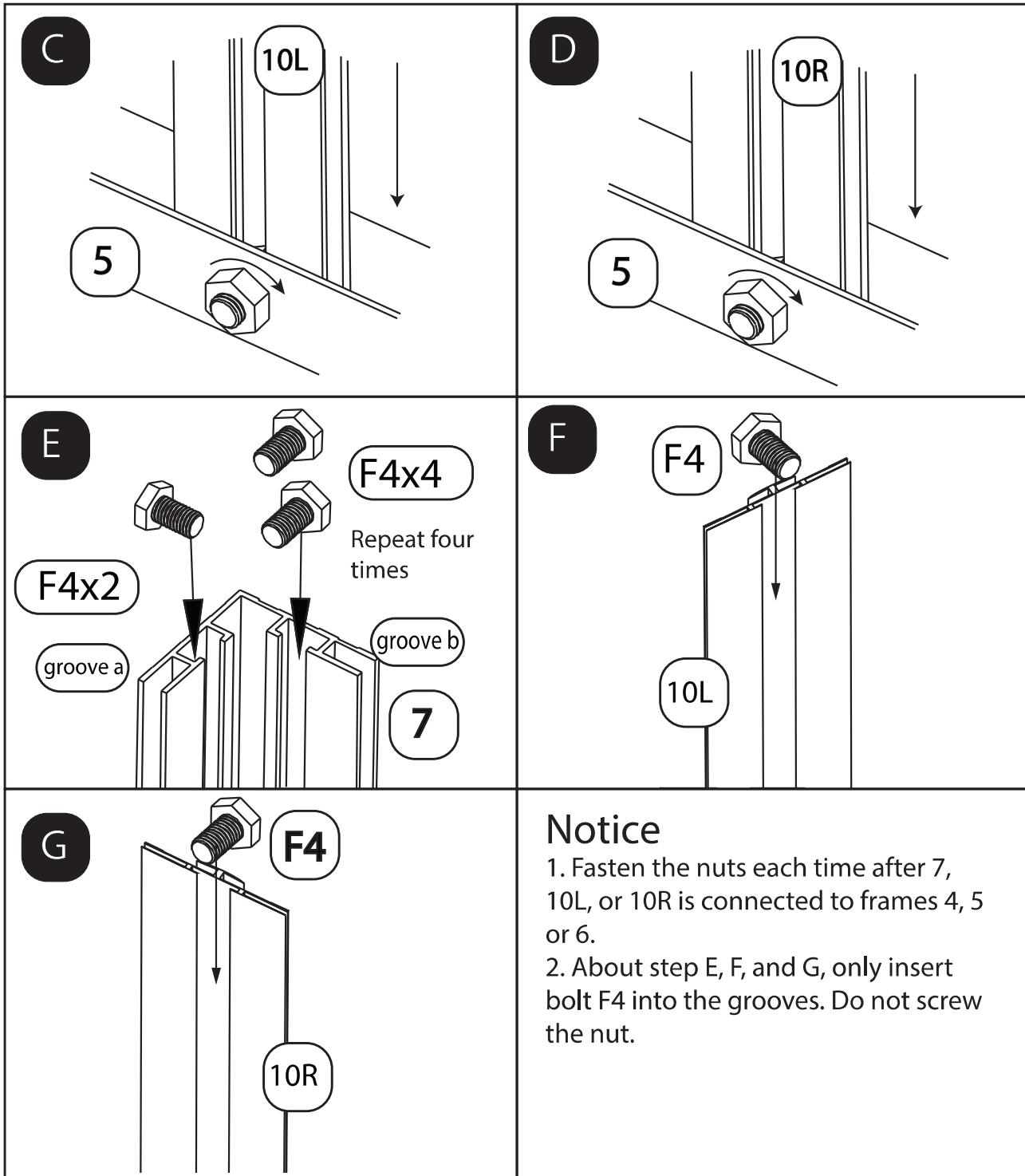
Repeat two times

Notice: 1. Nuts face inside.  
2. Fasten these two nuts.

### 3. Assembling of Main Frame Continued

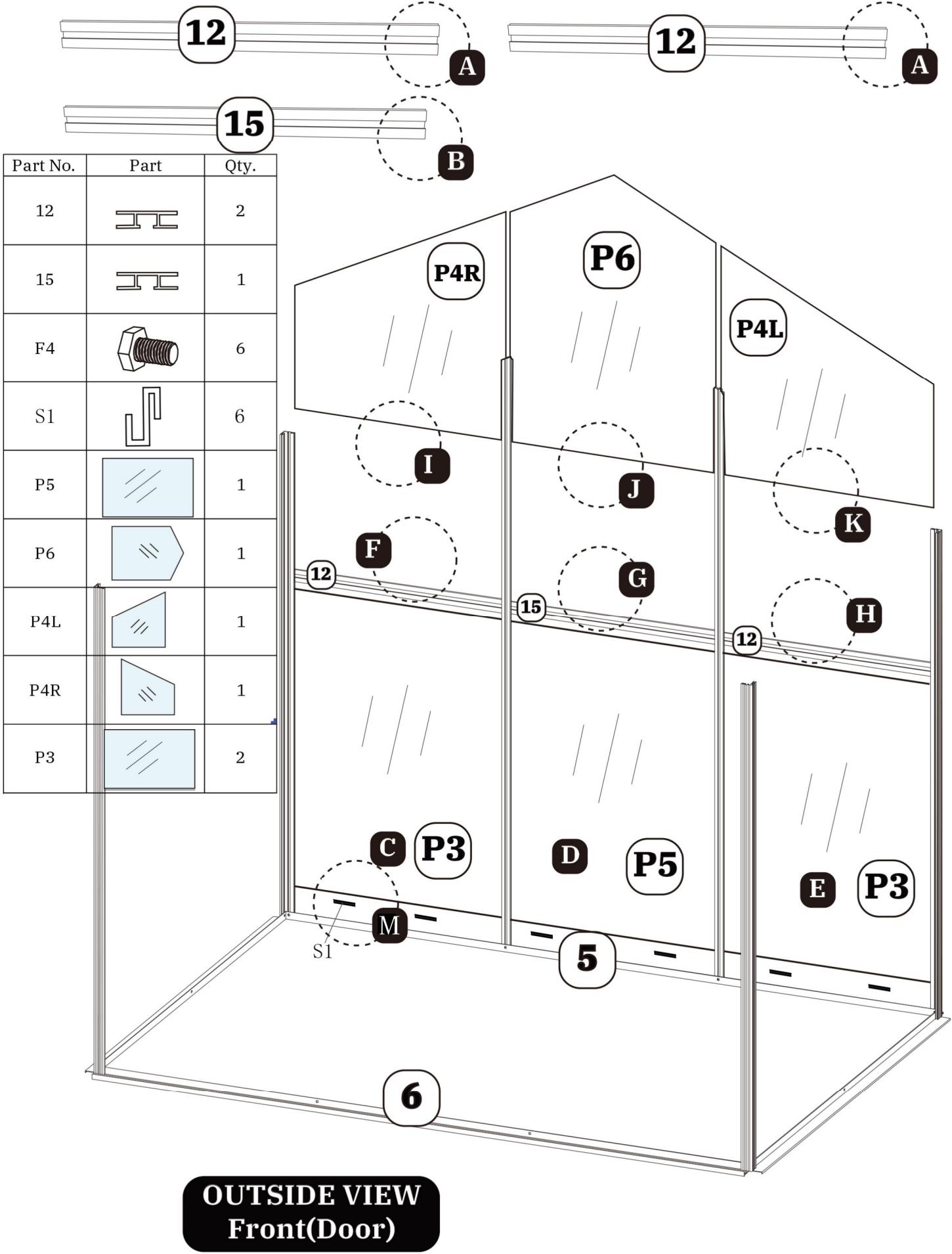


### 3. Assembling of Main Frame Continued



3. About step E, note that each 7 has two grooves where F4 bolts will be inserted into. The groove facing either side wall of the greenhouse is groove a, and the one facing either the door or the back wall is groove b. In step E, insert 2 Bolt F4 into each groove b, and one Bolt F4 into each groove a.

## 4. Assembling of Backwall

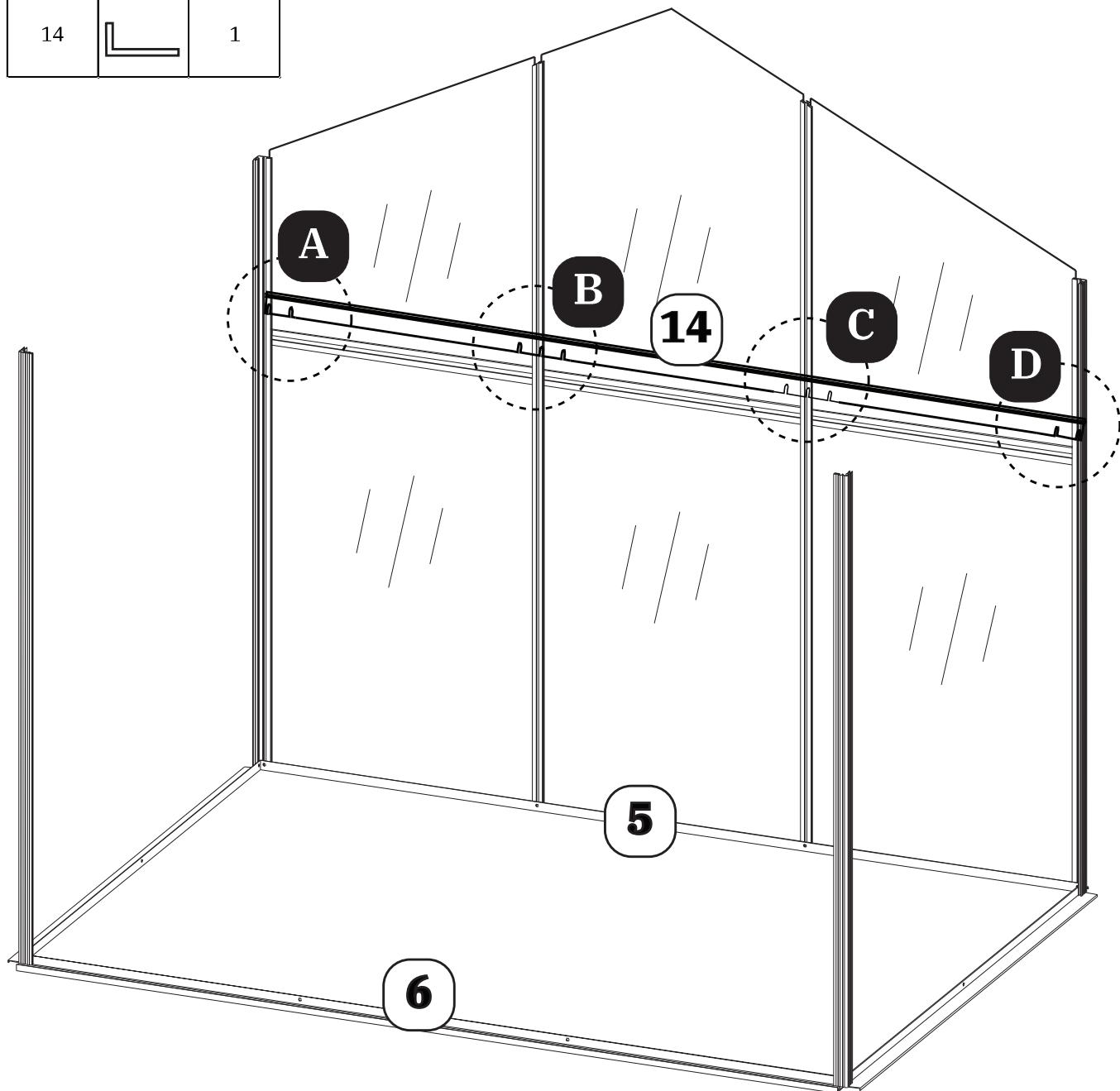


## 4. Assembling of Backwall Continued

<p><b>A</b></p> <p><b>F4*2</b></p> <p><b>12</b></p> <p>Repeat two times</p>	<p><b>B</b></p> <p><b>F4*2</b></p> <p><b>15</b></p>	<p><b>C</b></p> <p>Insert <b>P3</b> into grooves of <b>7</b>, <b>10L</b> till <b>P3</b> rests on <b>5</b>.</p>
<p><b>D</b></p> <p>Insert <b>P5</b> into grooves of <b>10L</b>, <b>10R</b> till <b>P5</b> rests on <b>5</b>.</p>	<p><b>E</b></p> <p>Insert <b>P3</b> into grooves of <b>10R</b>, <b>7</b> till <b>P3</b> rests on <b>5</b>.</p>	<p><b>F</b></p> <p><b>12</b></p> <p><b>P3</b></p>
<p><b>G</b></p> <p><b>15</b></p> <p><b>P5</b></p>	<p><b>H</b></p> <p><b>12</b></p> <p><b>P3</b></p>	<p><b>I</b></p> <p>Insert <b>P4R</b> into grooves of <b>7</b>, <b>10L</b> till <b>P4R</b> goes into the top groove of <b>12</b>.</p>
<p><b>J</b></p> <p>Insert <b>P6</b> into grooves of <b>10L</b>, <b>10R</b> till <b>P6</b> goes into the top groove of <b>15</b>.</p> <p><b>K</b></p> <p>Insert <b>P4L</b> into grooves of <b>10R</b>, <b>7</b> till <b>P4L</b> goes into the top groove of <b>12</b>.</p>	<p><b>M</b></p> <p><b>P5</b></p> <p><b>P3</b></p> <p><b>S1</b></p> <p><b>5</b></p>	<p><b>Notice</b></p> <p>Have a person buttress the back wall.</p>

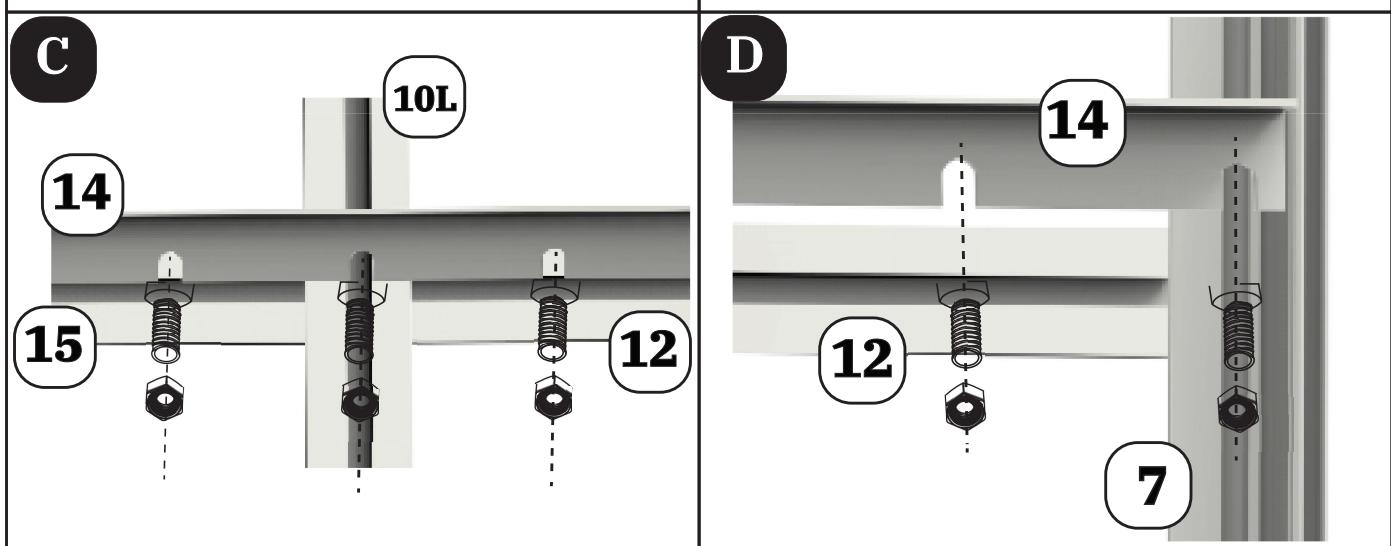
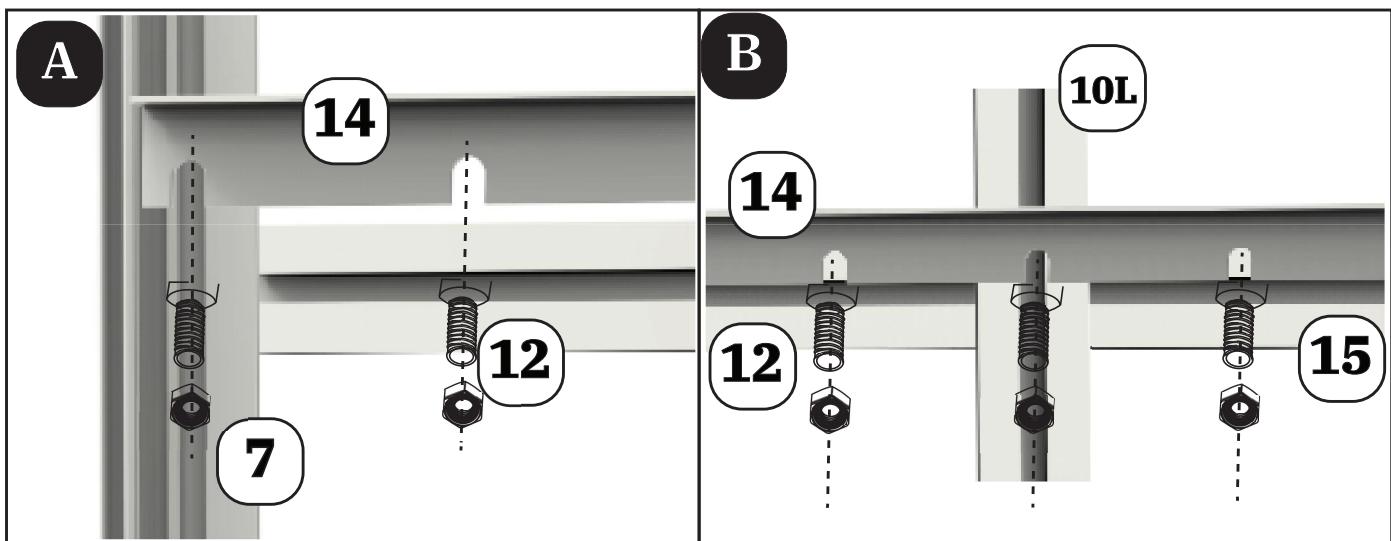
## 4. Assembling of Backwall Continued

Part No.	Part	Qty.
F4		10
14		1



**OUTSIDE VIEW**  
**Front(Door)**

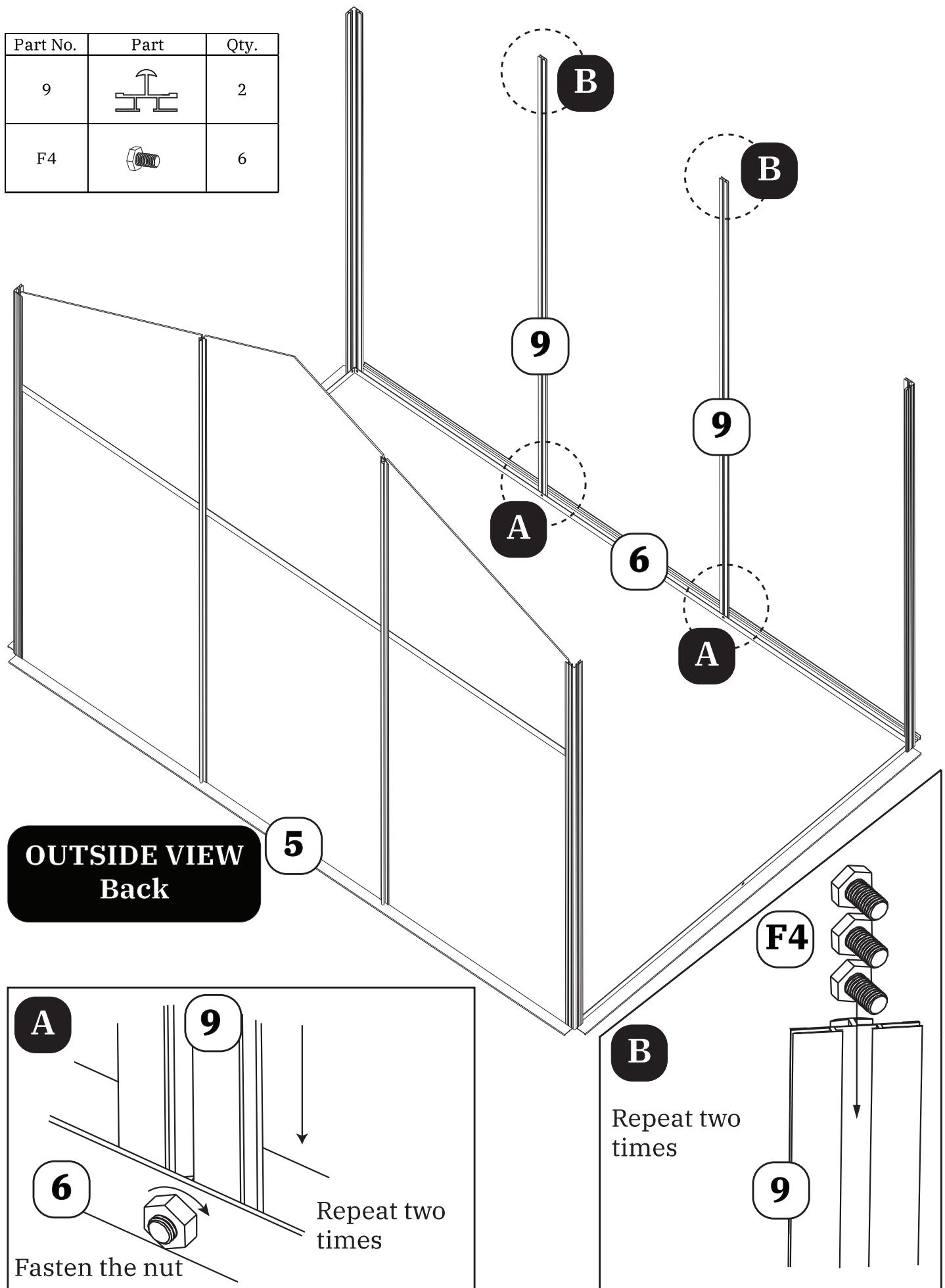
## 4. Assembling of Backwall Continued



<p><b>Notice 1</b></p> <ol style="list-style-type: none"> <li>1. About Step A or D, two <b>Bolt F4</b> will be used. One comes from <b>7</b> and the other from <b>12</b>. Both of these two bolts were inserted into respective grooves in previous steps. You do not need new bolts here, only the nuts.</li> <li>2. Fasten the nuts.</li> </ol>	<p><b>Notice 2</b></p> <ol style="list-style-type: none"> <li>1. About Step B or C, three <b>Bolt F4</b> will be used. One from <b>12</b>, one comes from <b>10L/10R</b>, and the rest from <b>15</b>. All of these bolts were inserted into respective grooves in previous steps. You do not need new bolts here, only the nuts.</li> <li>2. Fasten the nuts.</li> </ol>
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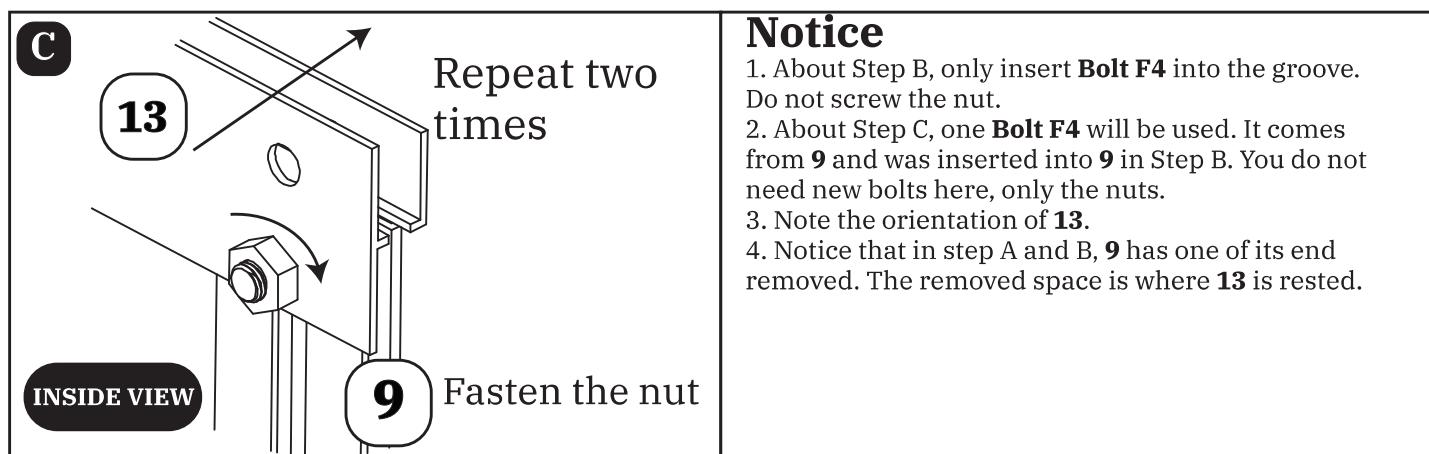
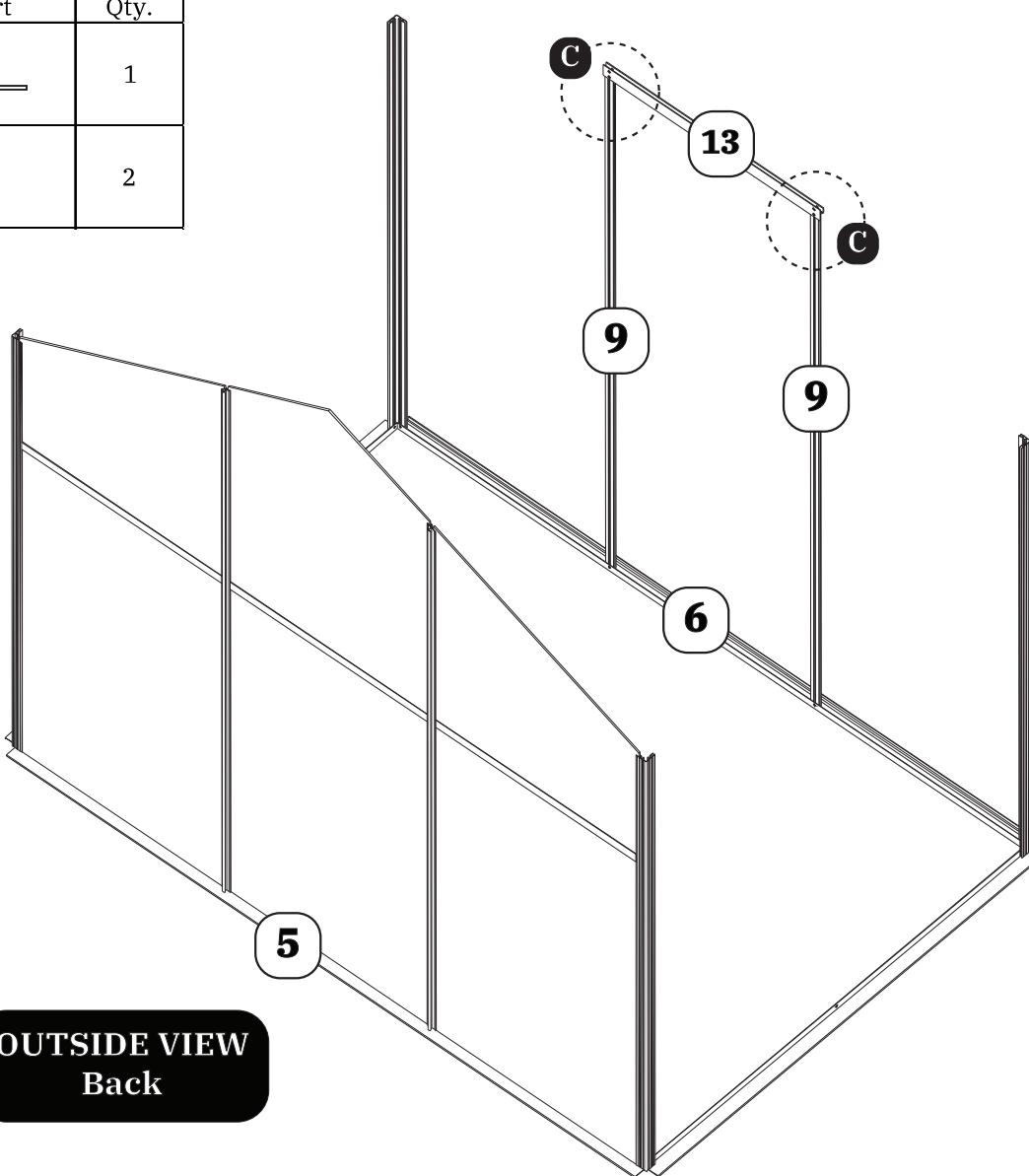
## 5. Assembling of Front wall

Part No.	Part	Qty.
9		2
F4		6

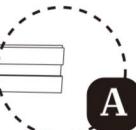
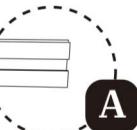
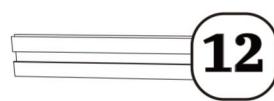


## 5. Assembling of Front wall Continued

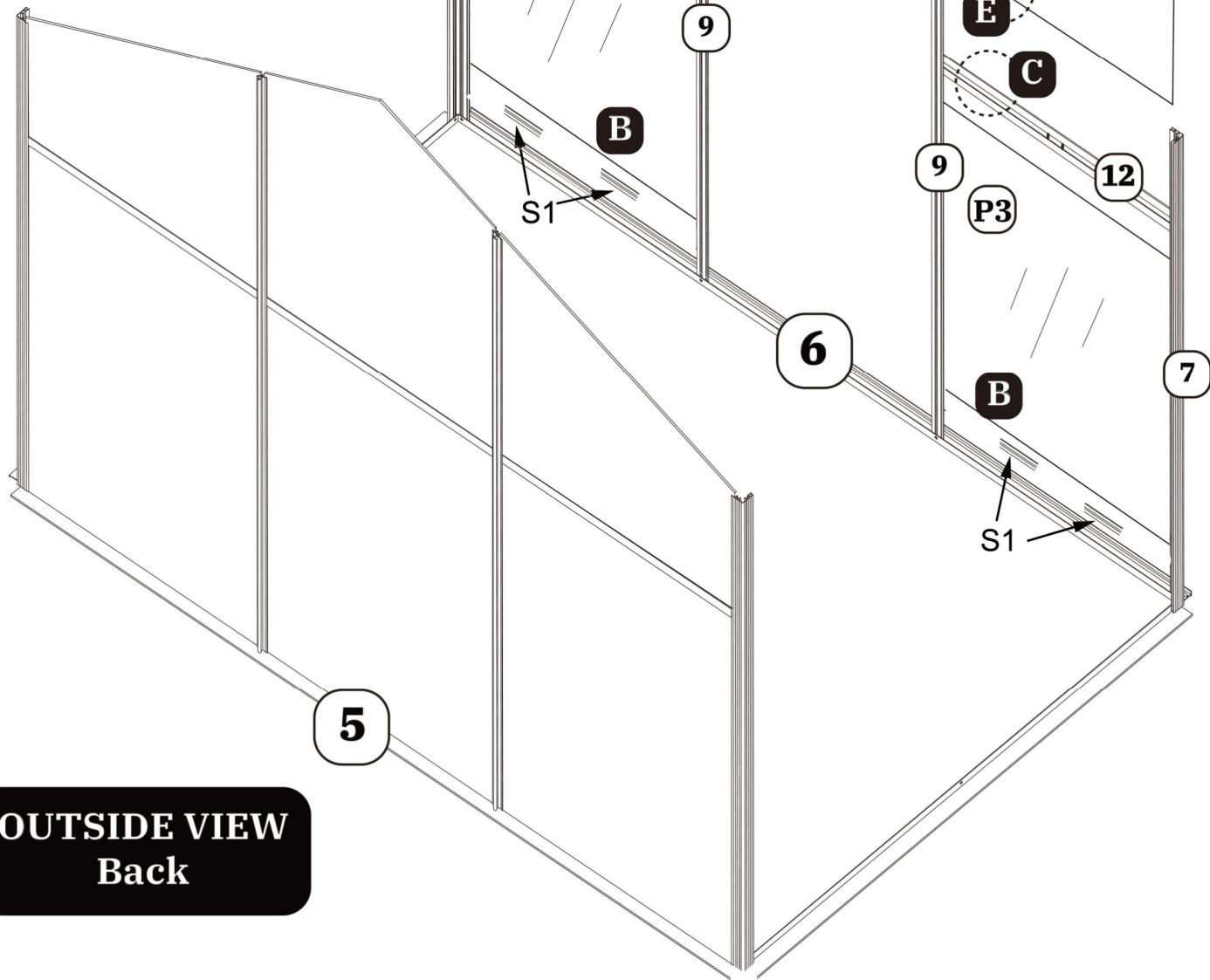
Part No.	Part	Qty.
13		1
F4		2



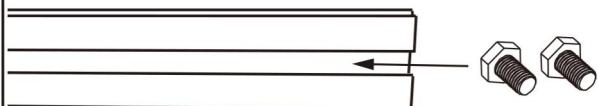
## 5. Assembling of Front wall Continued



Part No.	Part	Qty.
12		2
P3		2
P4R		1
P4L		1
P7		1
F4		4
S1		4



## 5. Assembling of Front wall Continued

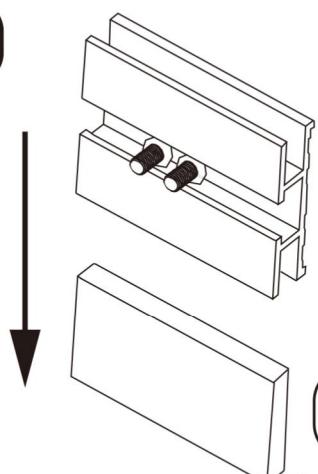
**A****F4\*2****12**

Only insert the bolts.  
Do not screw the nuts.  
Repeat two times

**B**

Insert **P3** into grooves of **7** and **9** till **P3** rests on **6**.

Repeat two times

**C****12****P3**

Repeat two times

**D**

Insert **P4R** into grooves of **7** and **9**, till **P4R** goes into the top groove of **12**.

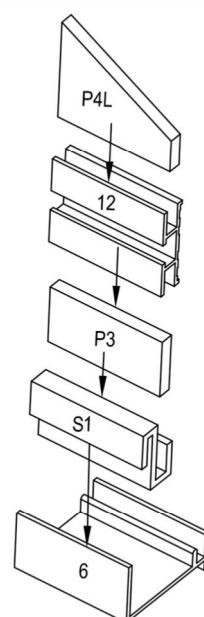
**E**

Insert **P4L** into grooves of **7** and **9**, till **P4L** goes into the top groove of **12**.

**F**

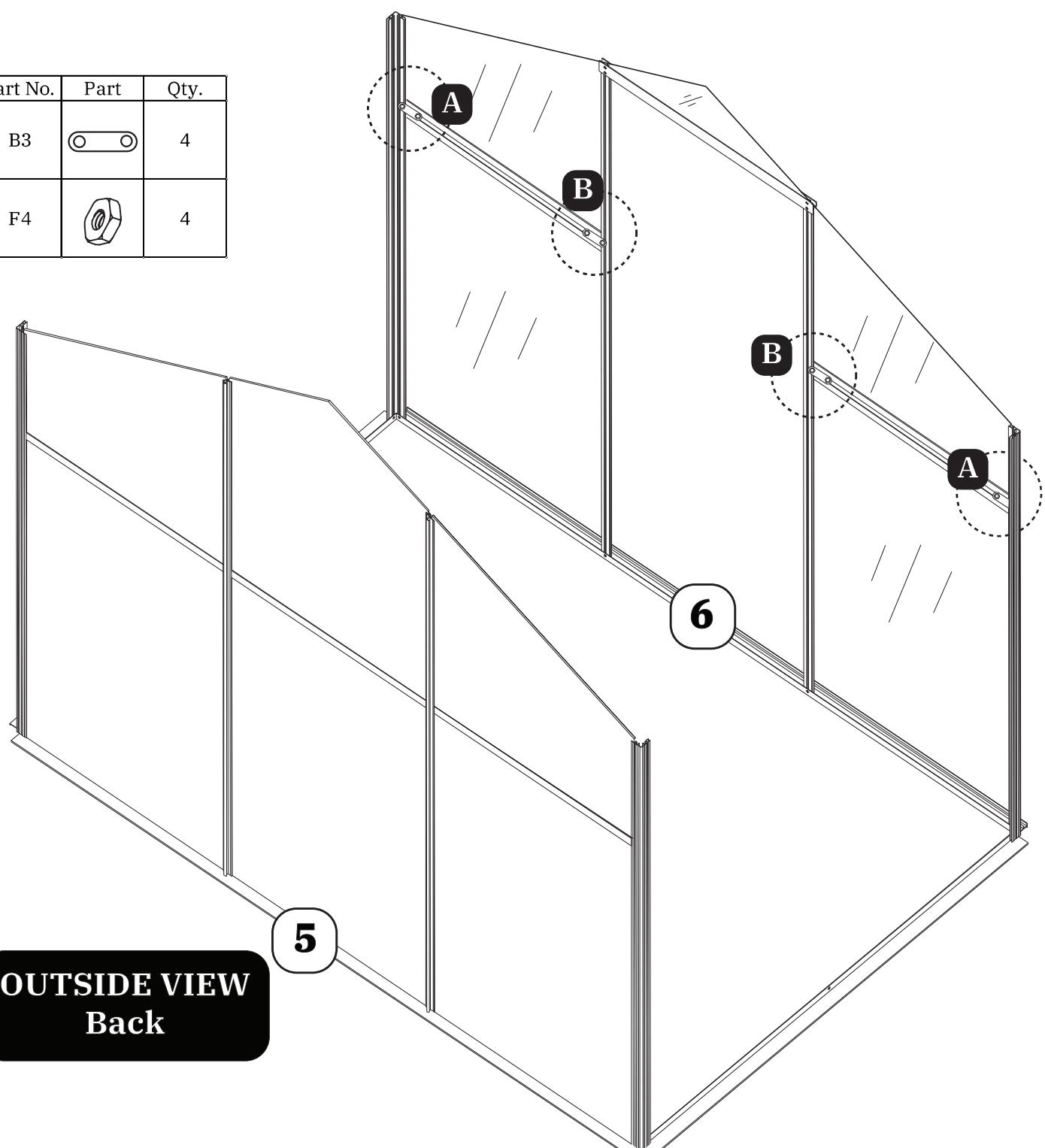
Insert **P7** into the top groove of **13**.

Have a person or a chair to buttress the front wall.

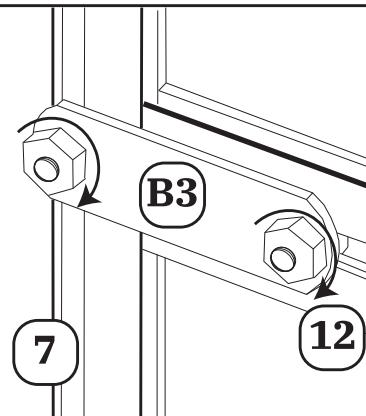


## 5. Assembling of Front wall Continued

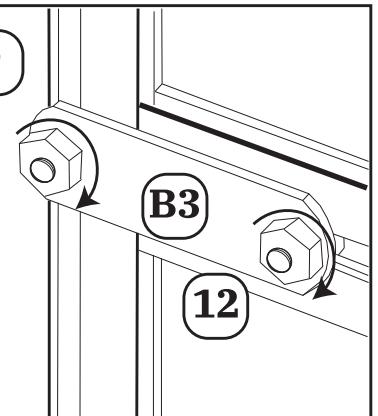
Part No.	Part	Qty.
B3		4
F4		4

**A**

Attach **B3** to **7** and **12** using pre-inserted Bolts **F4**. Fasten the Nuts **F4**. Repeat two times.

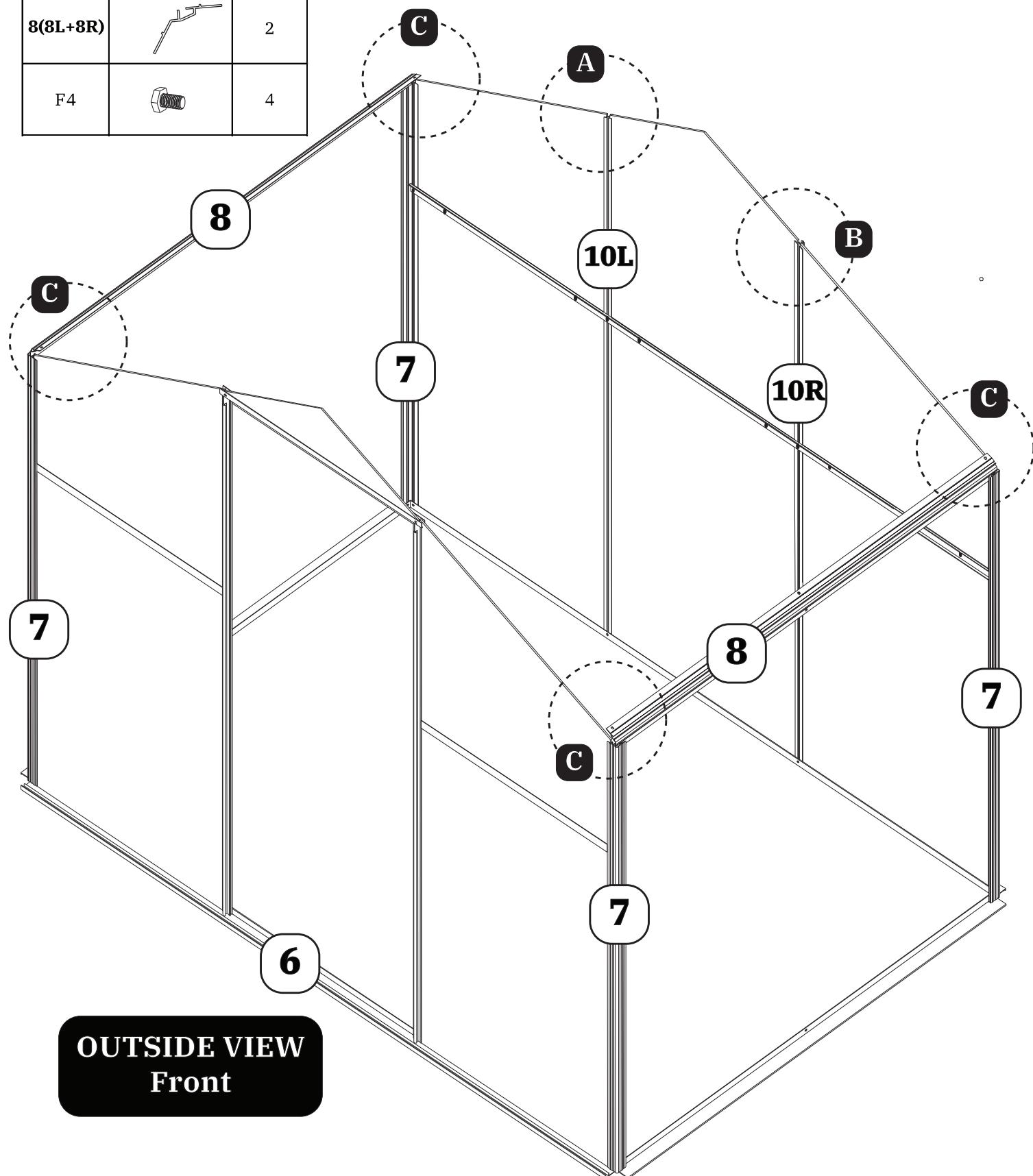
**B**

Attach **B3** to **9** and **12** using pre-inserted Bolts **F4**. Fasten the Nuts **F4**. Repeat two times.

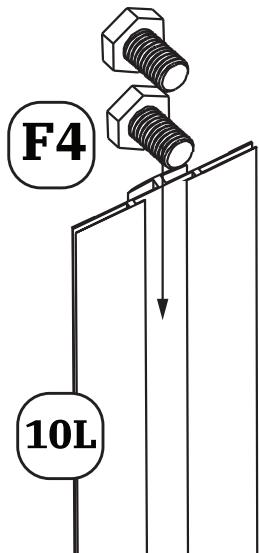
**9**

## 6. Assembling of Roof Frames

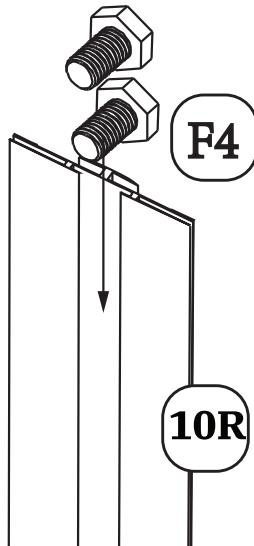
Part No.	Part	Qty.
8(8L+8R)		2
F4		4



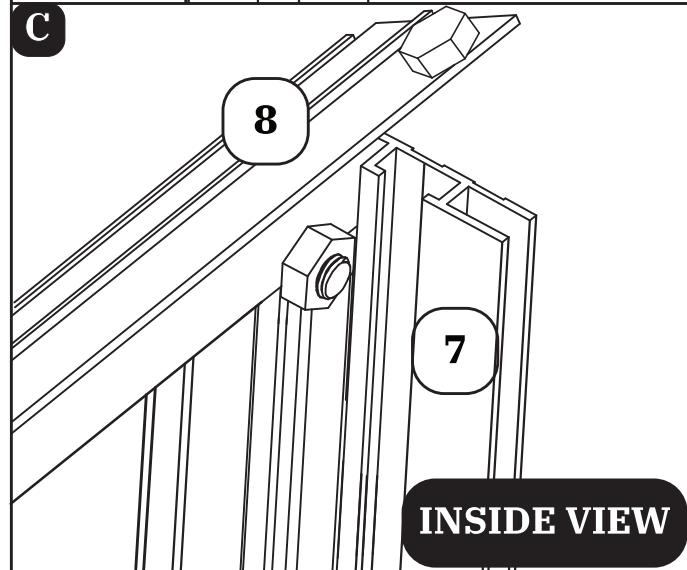
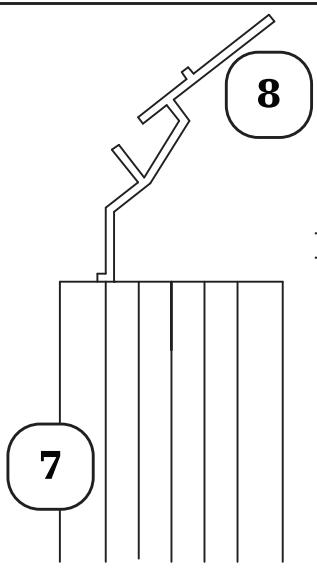
## 6. Assembling of Roof Frames Continued

**A**

Only insert  
the bolts.  
Do not screw  
the nuts.

**B**

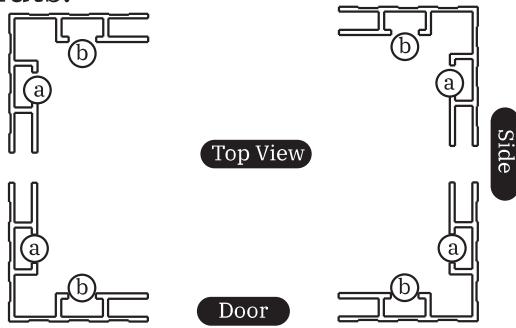
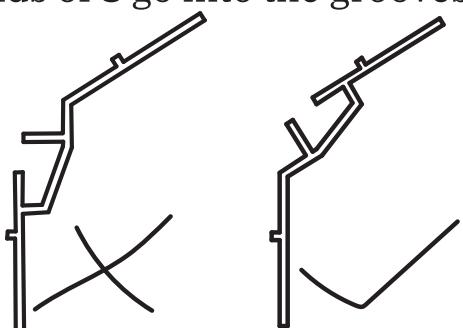
Only insert  
the bolts.  
Do not screw  
the nuts.

**C****INSIDE VIEW**

Repeat four times

**Notice**

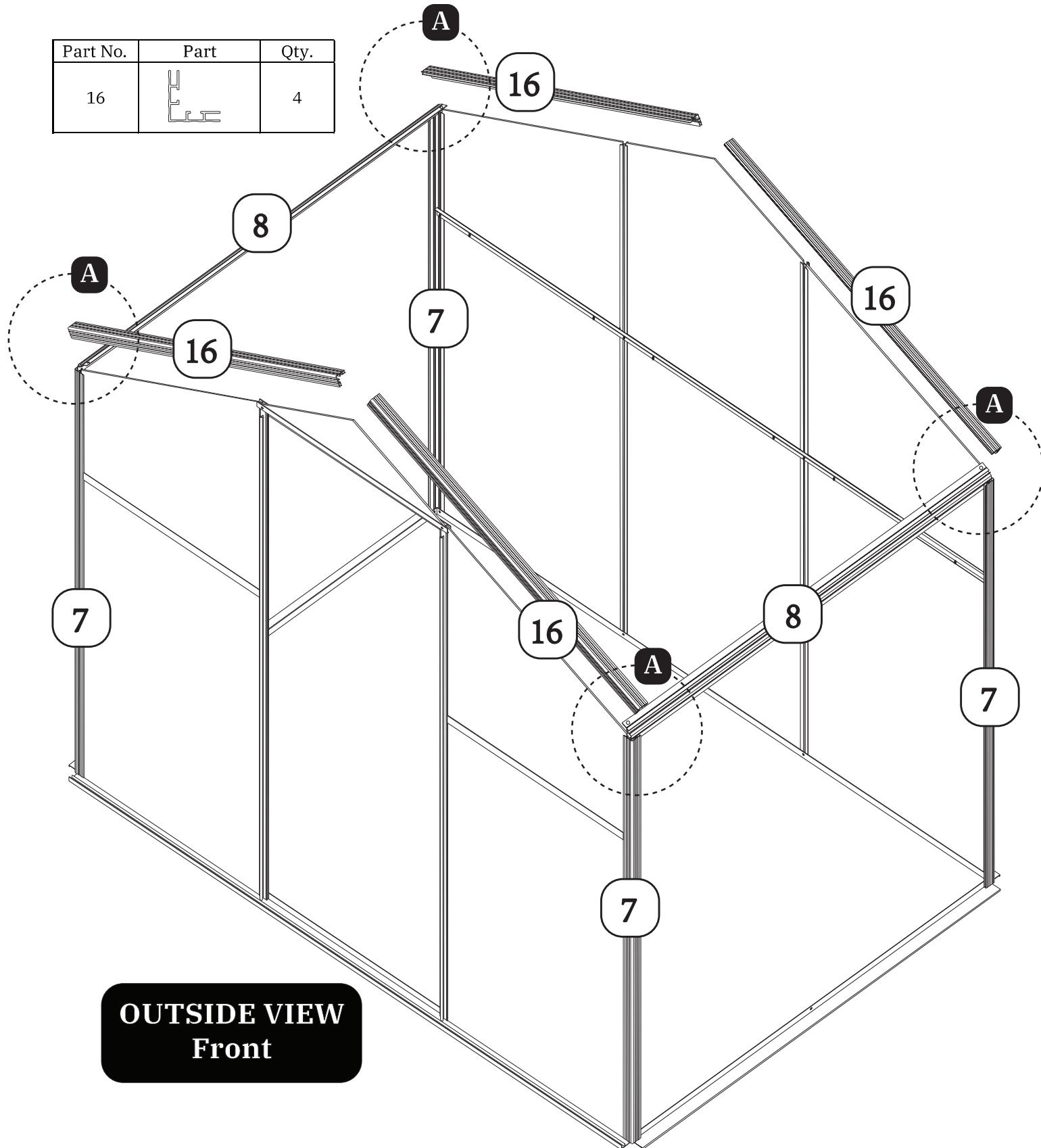
- About **Step C**, note that the profile view of **7** and **8** (the diagram on the right) shows the exact placement of **8**. Note that the groove of **8** faces upward.
- About **Step C**, the **F4 Screw** goes into the groove of **7** that faces either side wall of the greenhouse, **groove a**. After Both the screws on both ends of **8** go into the grooves, fasten the nuts.



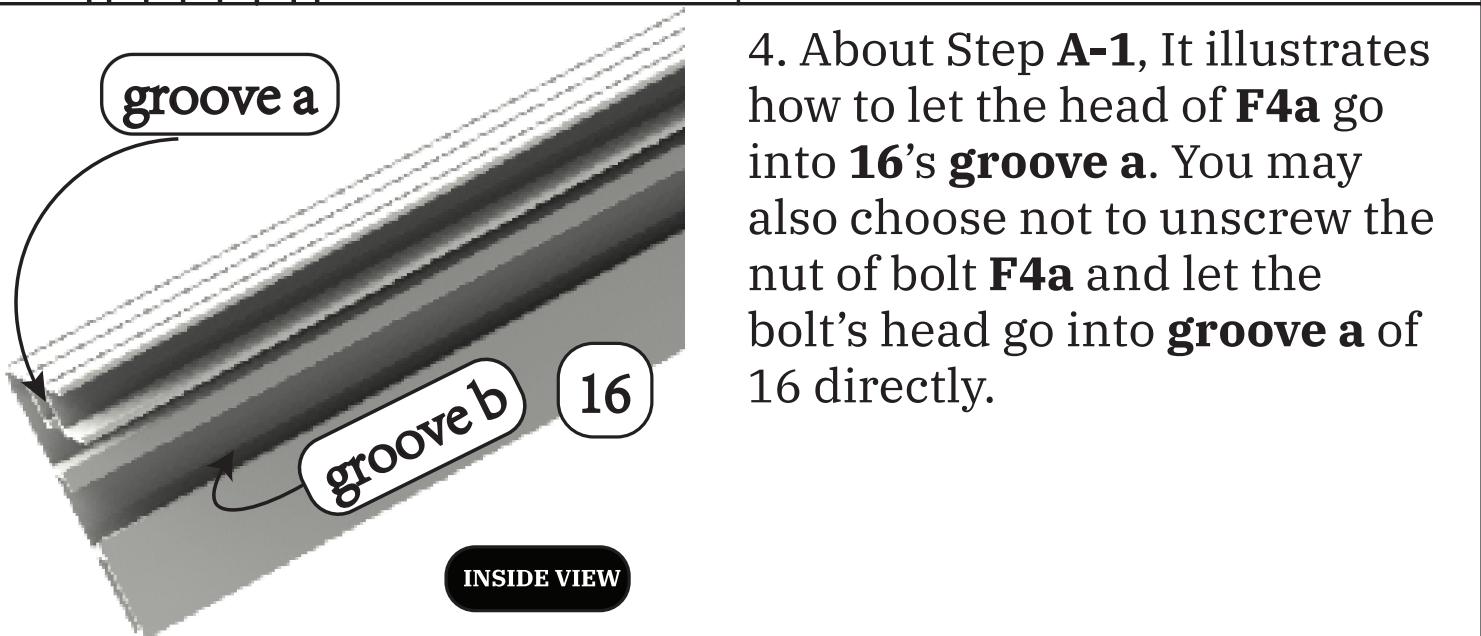
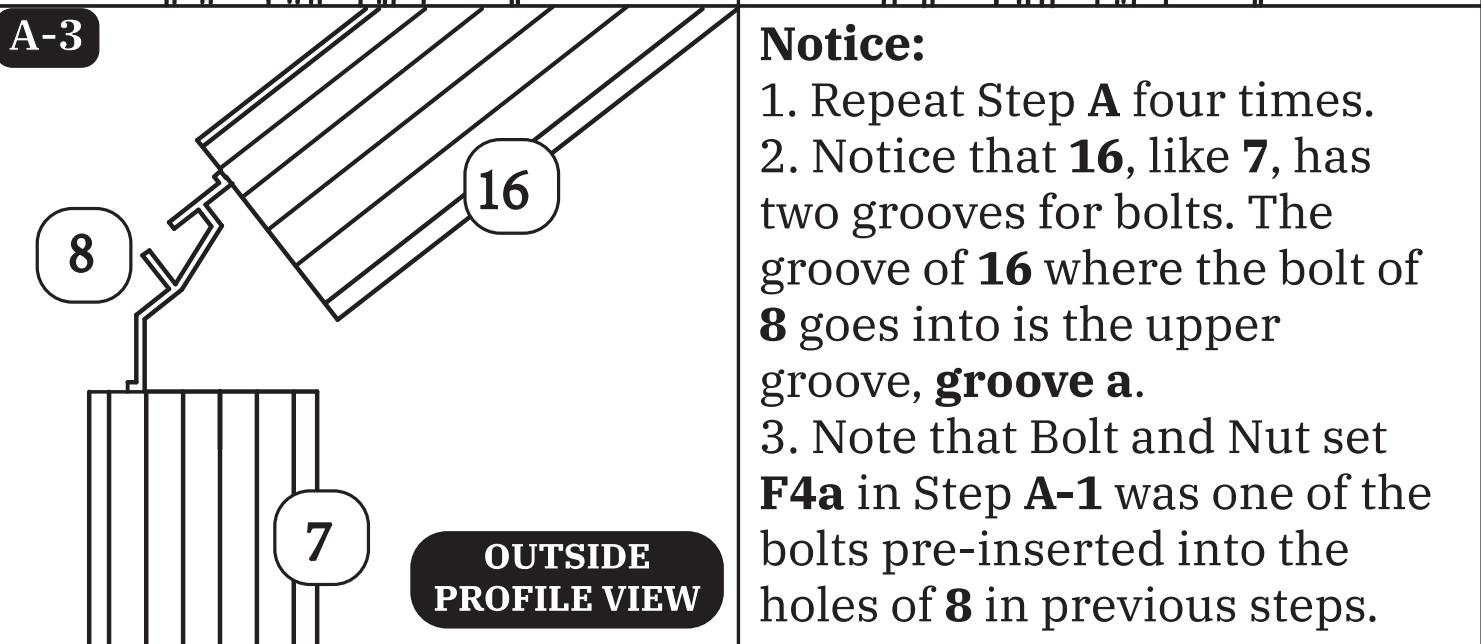
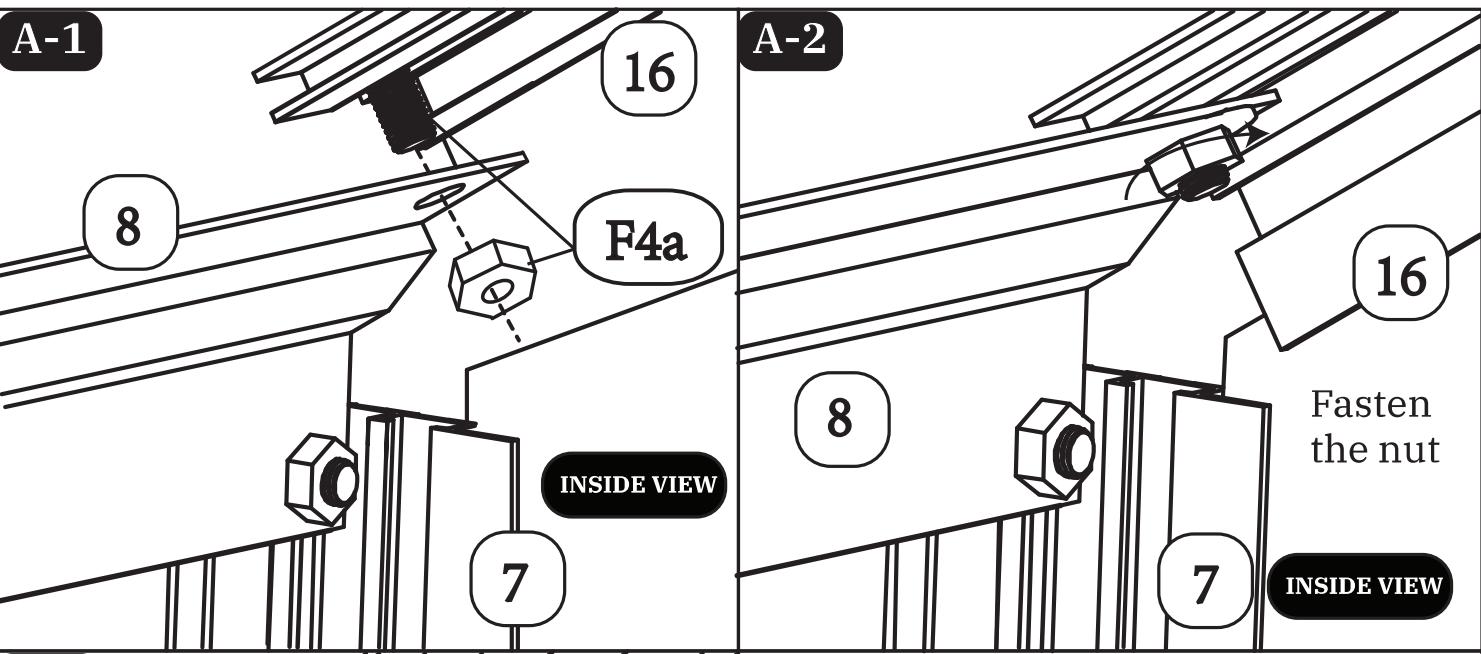
## 6. Assembling of Roof Frames Continued

Part No.	Part	Qty.
16		4

**OUTSIDE VIEW**  
**Front**

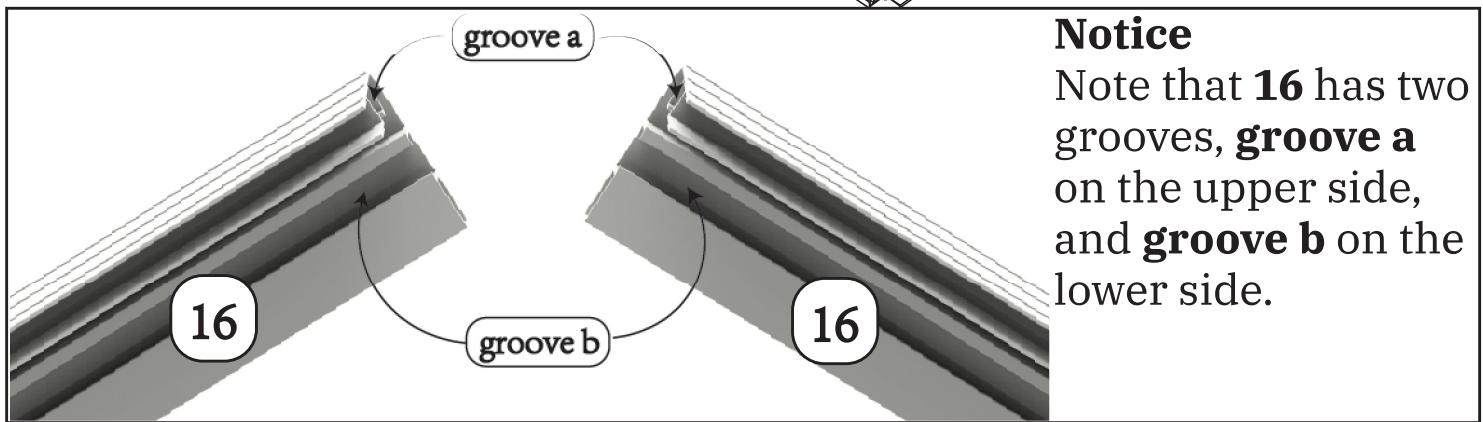
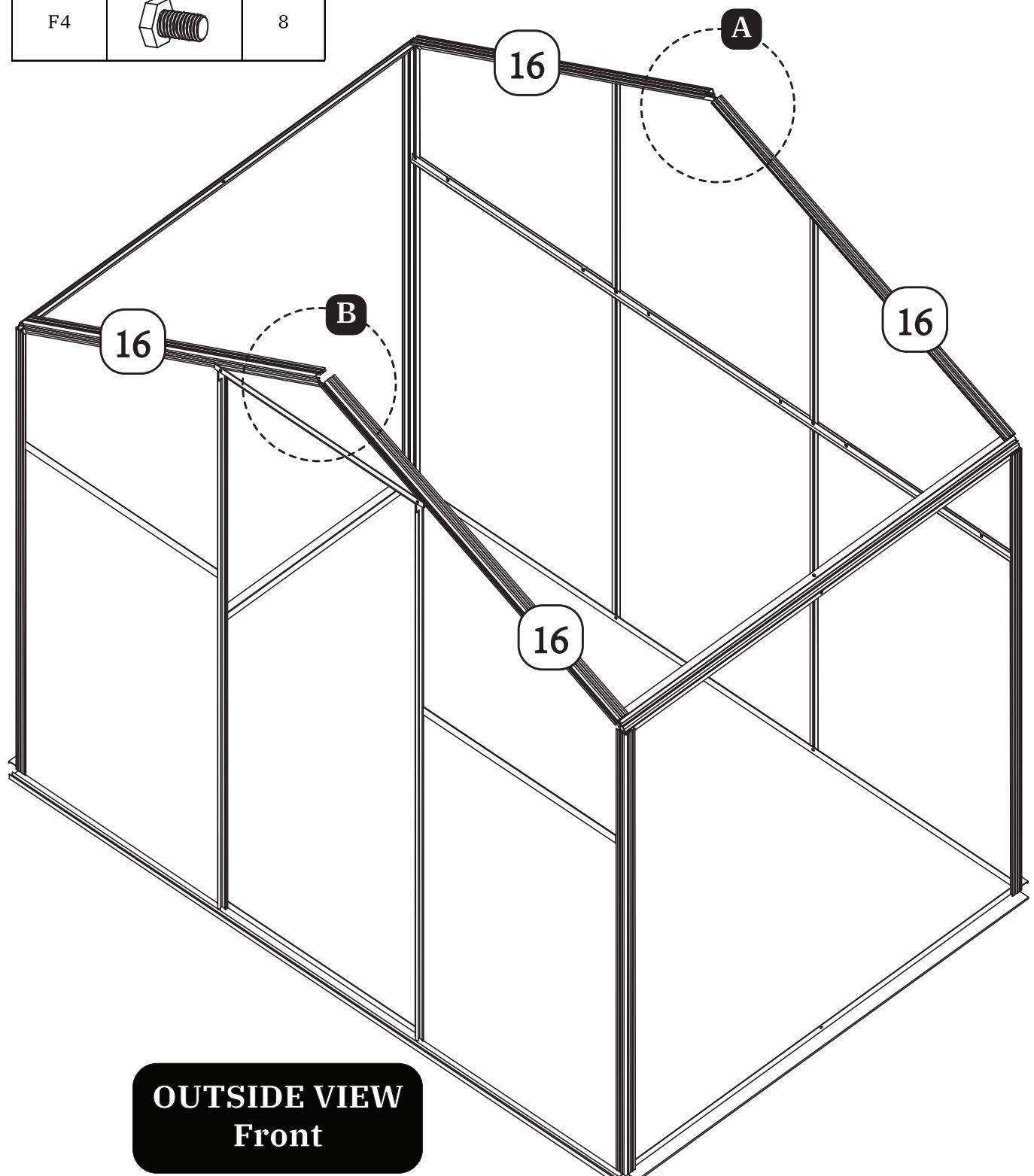


## 6. Assembling of Roof Frames Continued



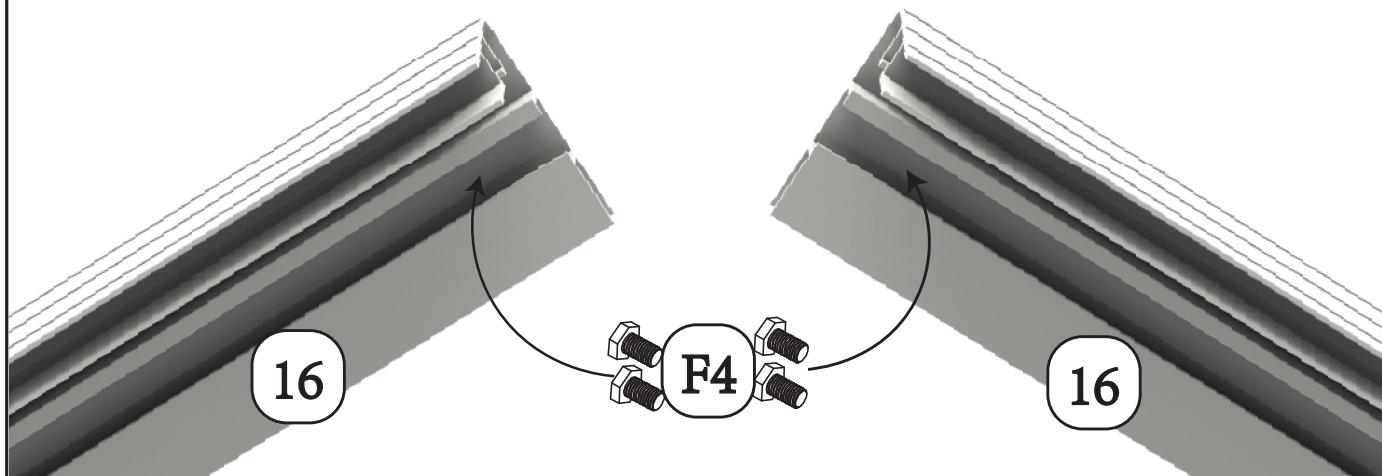
## 6. Assembling of Roof Frames Continued

Part No.	Part	Qty.
F4		8

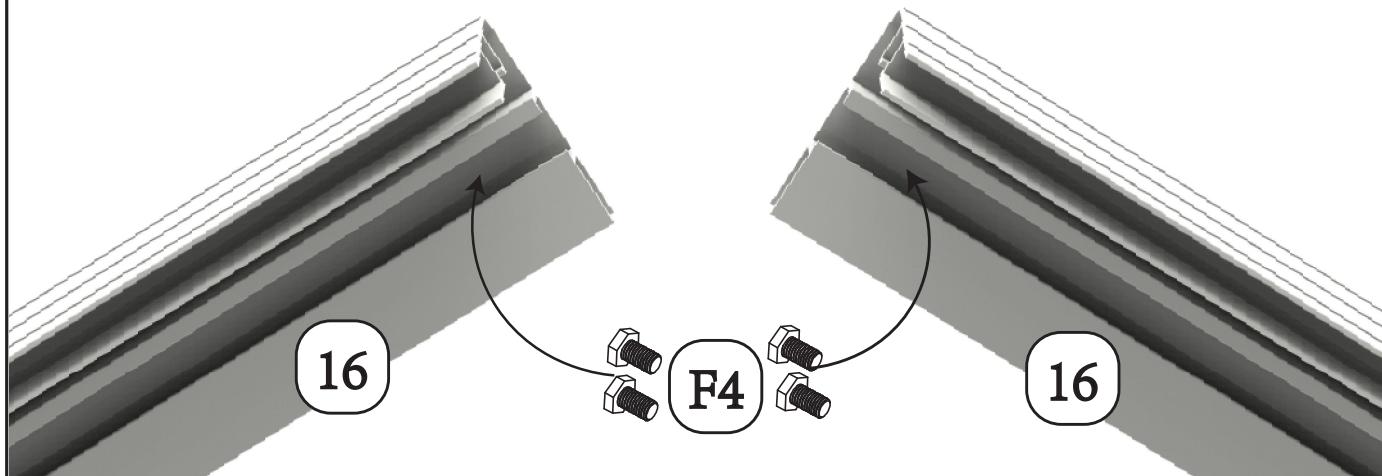


## 6. Assembling of Roof Frames Continued

A



B

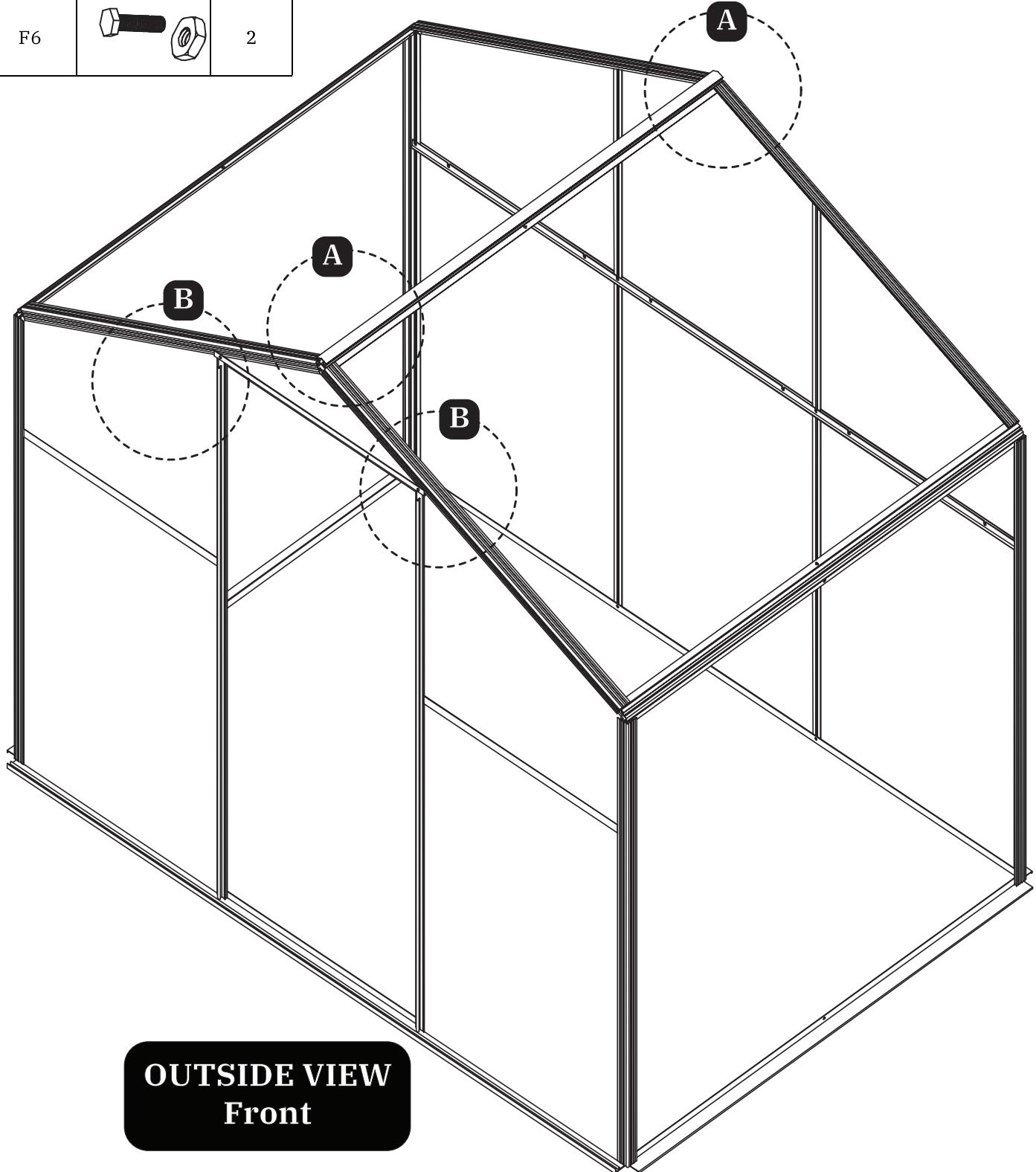


### Notice

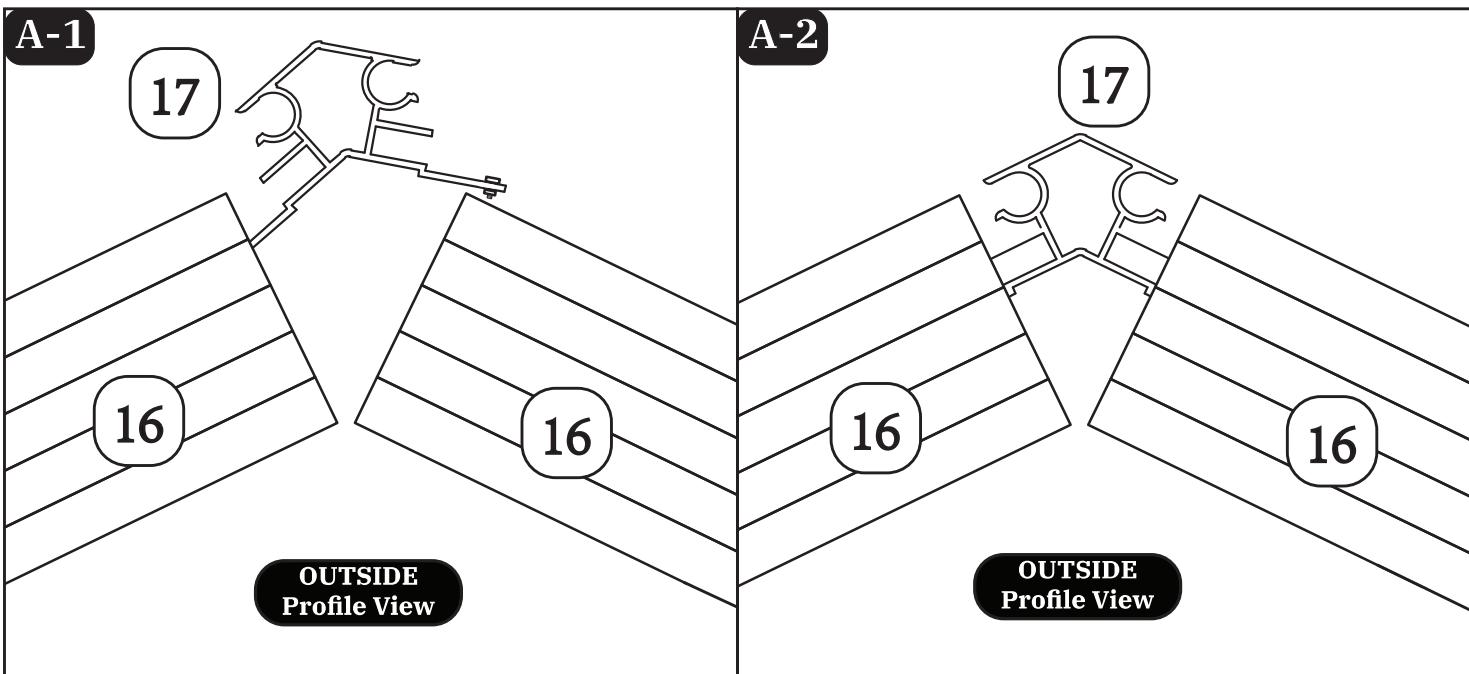
1. Only insert the bolt. Do not screw the nut.

## 7. Securing of Frames

Part No.	Part	Qty.
17(17R+17L)		1
B4		2
F4		6
F6		2



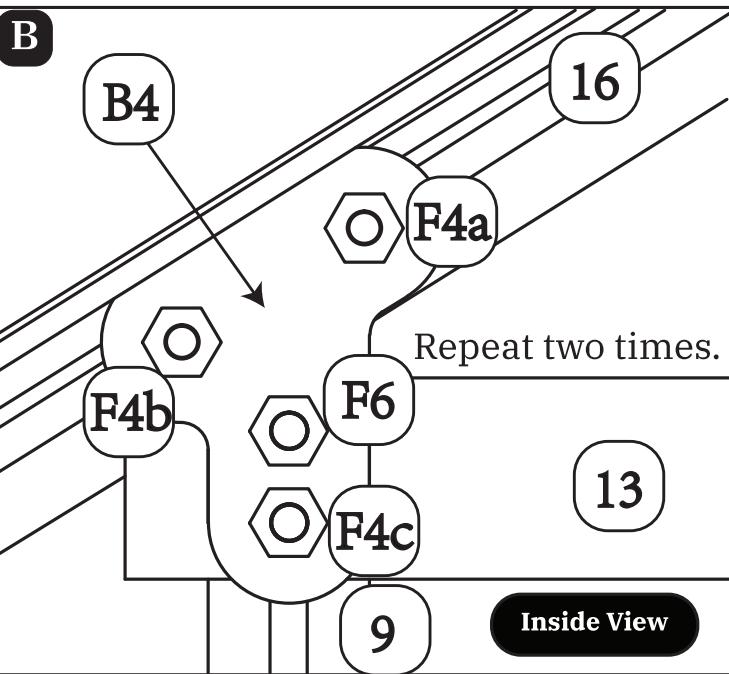
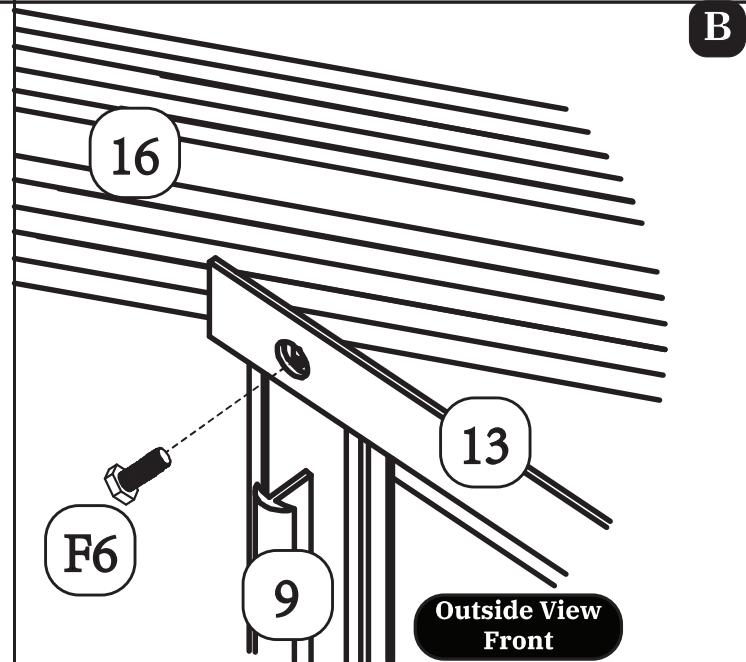
## 7. Securing of Frames Continued



**A-1 A-2**

Slide **17** into **16**. The pre-inserted bolt **F4** on **17** goes into the upper groove of each **16**.

Repeat two times, till the four **Bolt F4** on both ends of **17** go into the four upper grooves of **16**. Fasten the **Nuts**.

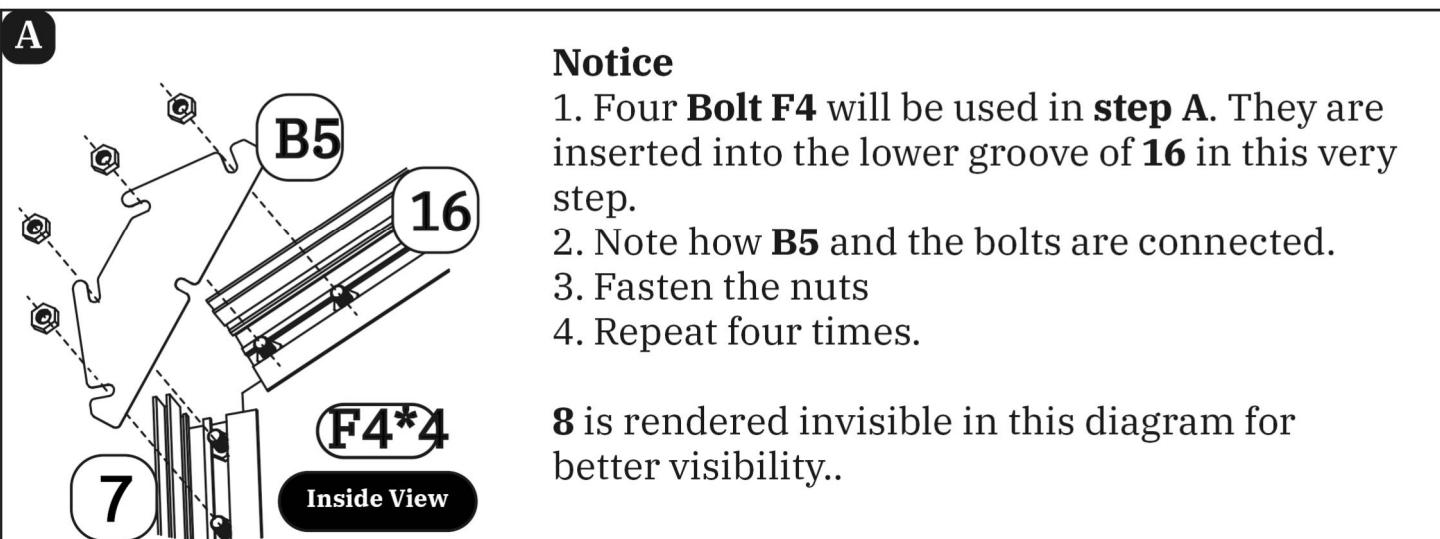
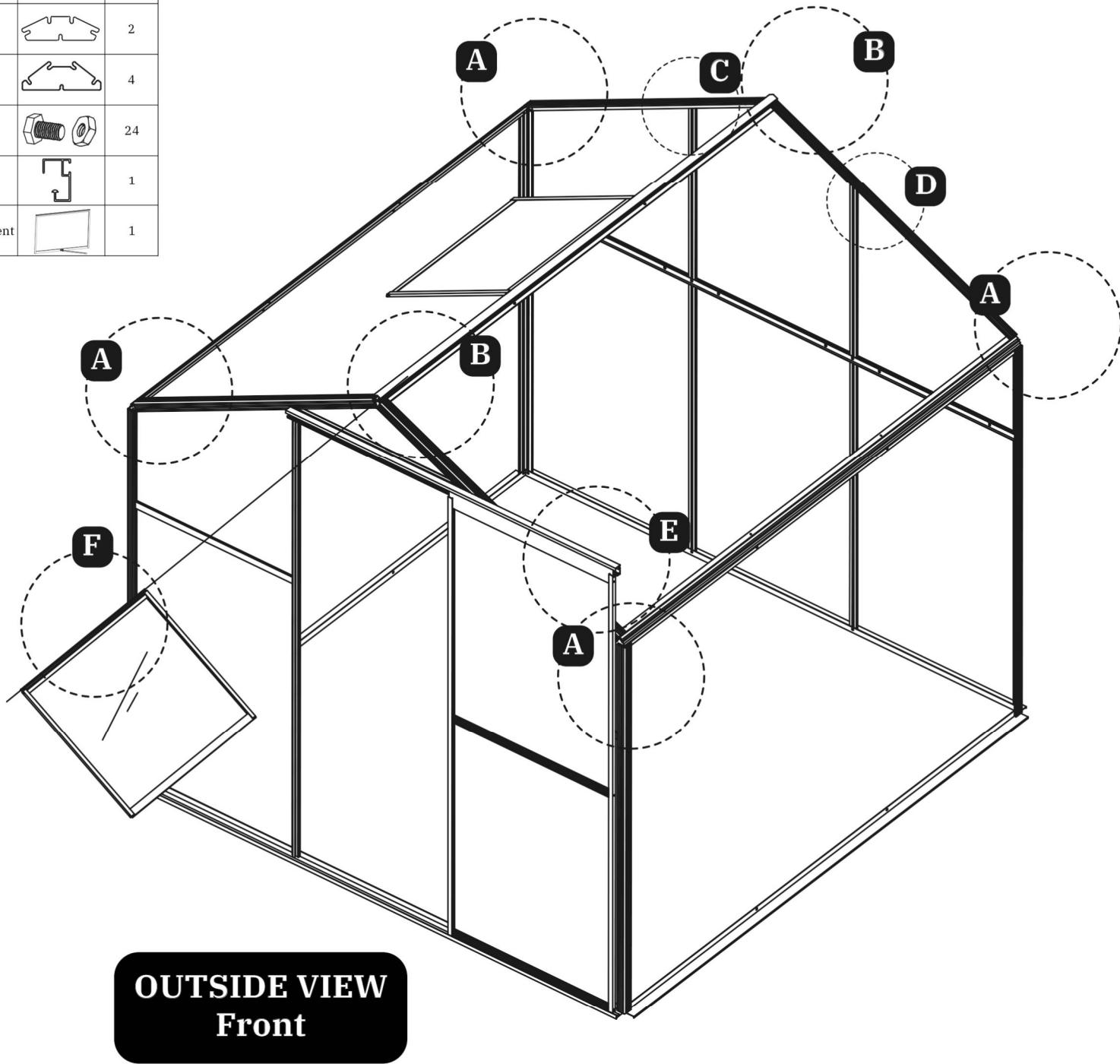


### Notice

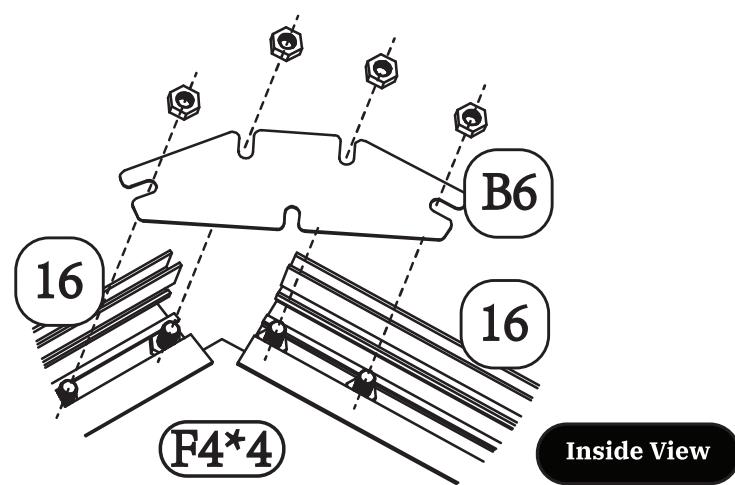
About **Step B**, note that three Bolt **F4** will be used. **F4a** and **F4b** were inserted into the lower groove(**groove b**) of **16** in previous step. **F4c** was the one connecting **13** and **9** together in previous step. After all three **F4** are attached to **B4**, fasten their nuts. Do not fasten **F6**'s Nut.

Part No.	Part	Qty.
B4		2
F4		8
B6		2
B5		4
F4		24
18		1
Roof Vent		1

## 7. Securing of Frames Continued

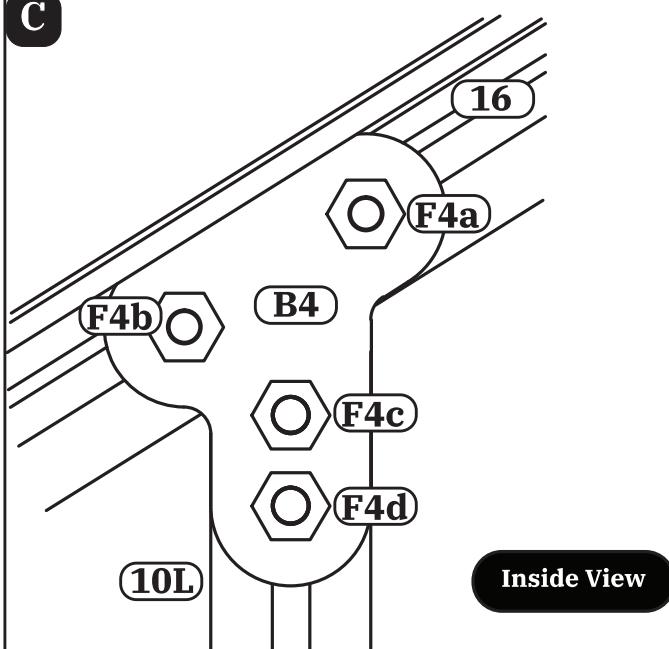
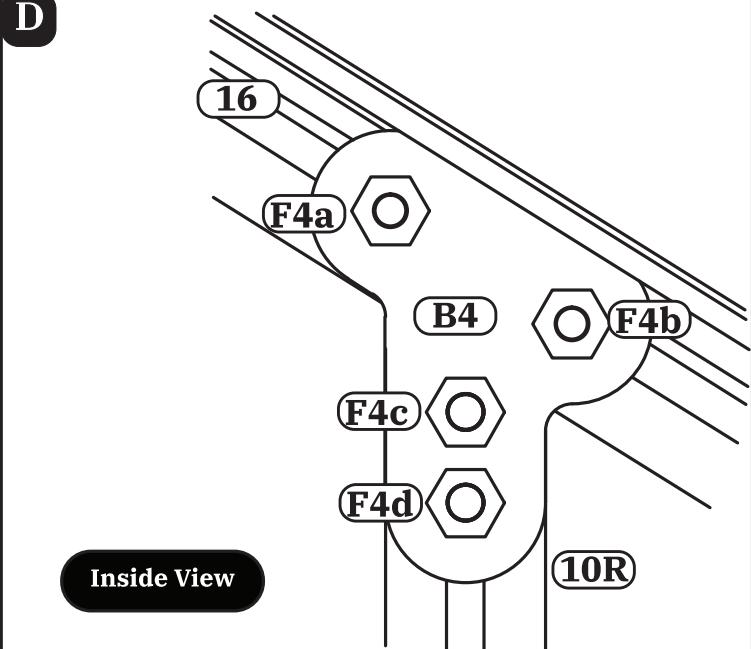


## 7. Securing of Frames Continued

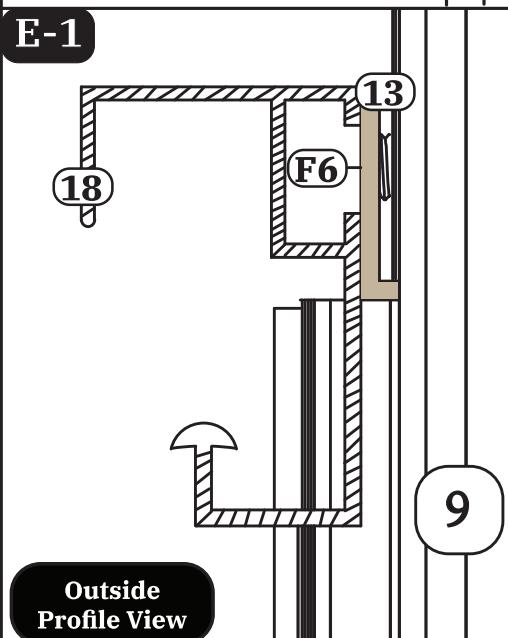
**B****Notice**

1. Four **Bolt F4** will be used in **step B**. They are inserted into the lower groove of **16** in this very step.
2. Note how **B6** and the bolts are connected.
3. Fasten the nuts
4. Repeat two times.

**17** is rendered invisible in this diagram for better visibility..

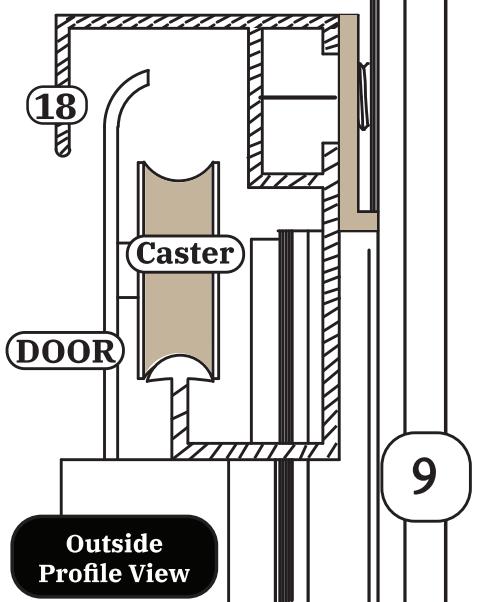
**C****D****Notice**

1. In step **C** and **D**, each step utilizes 4 **Bolt F4**. **F4a** and **F4b** were inserted into the upper groove of **16** in previous steps. **F4c** and **F4d** were inserted into the groove of **10L** or **10R**.

**E-1**

## 7. Securing of Frames Continued

E-2



### Notice

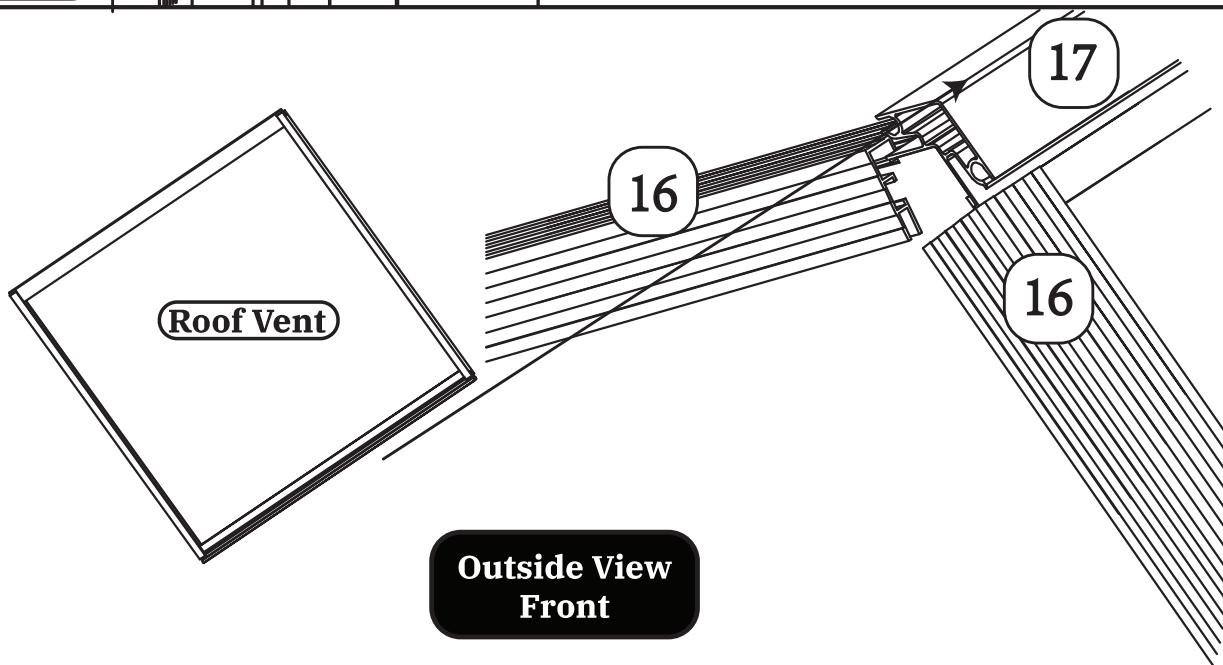
#### Step E-1

Slide **18** into the position shown in E-1. The head of **Bolt F6** should go into the groove of **18**. Fasten the Nuts of both **F6**.

#### Step E-2

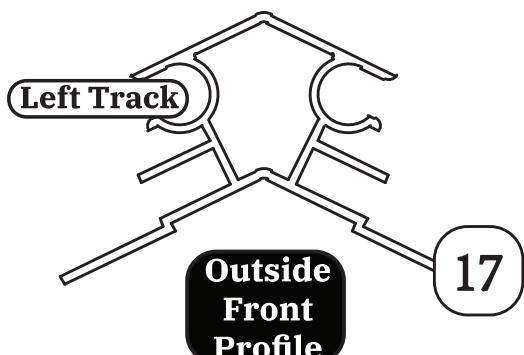
Slide the **door** into the position shown in E-2. The casters on the back of the door should rest on the bulging part of **18**.

F



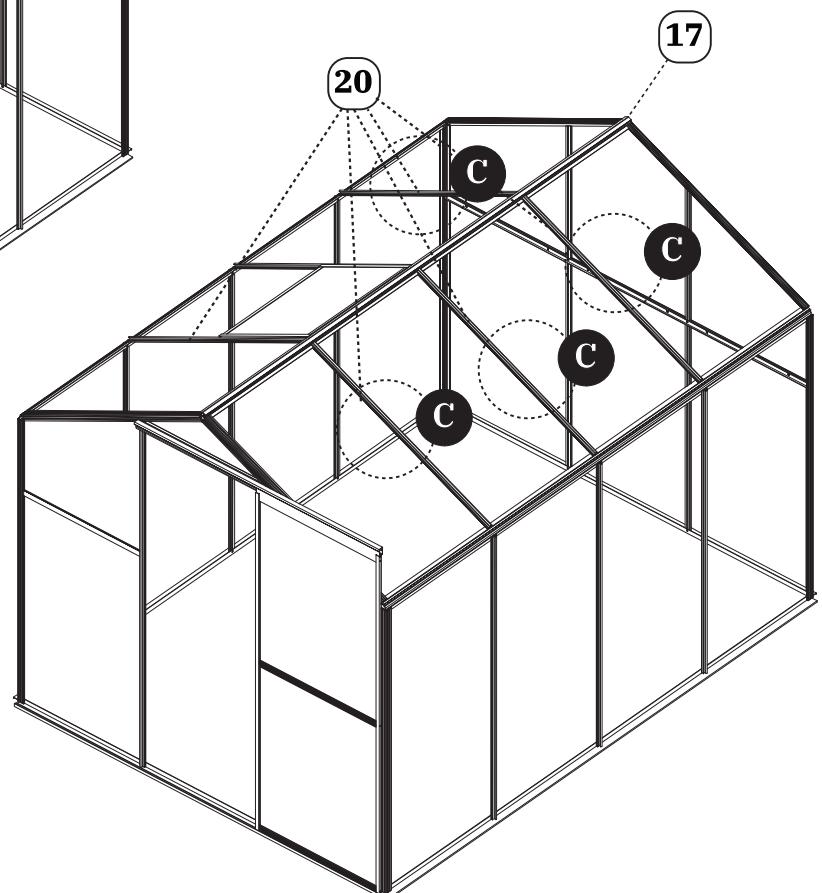
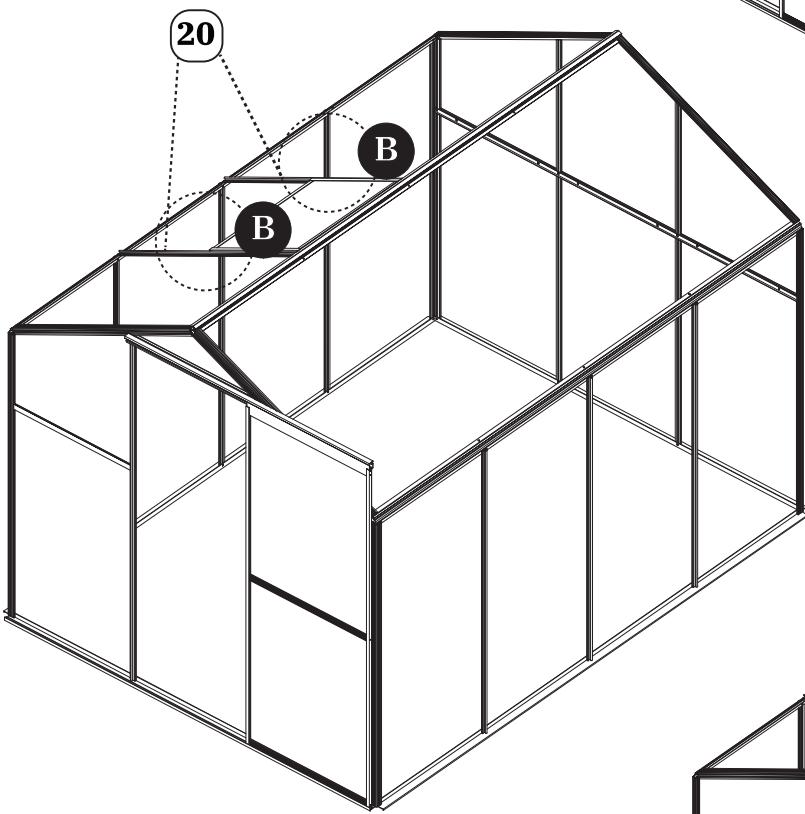
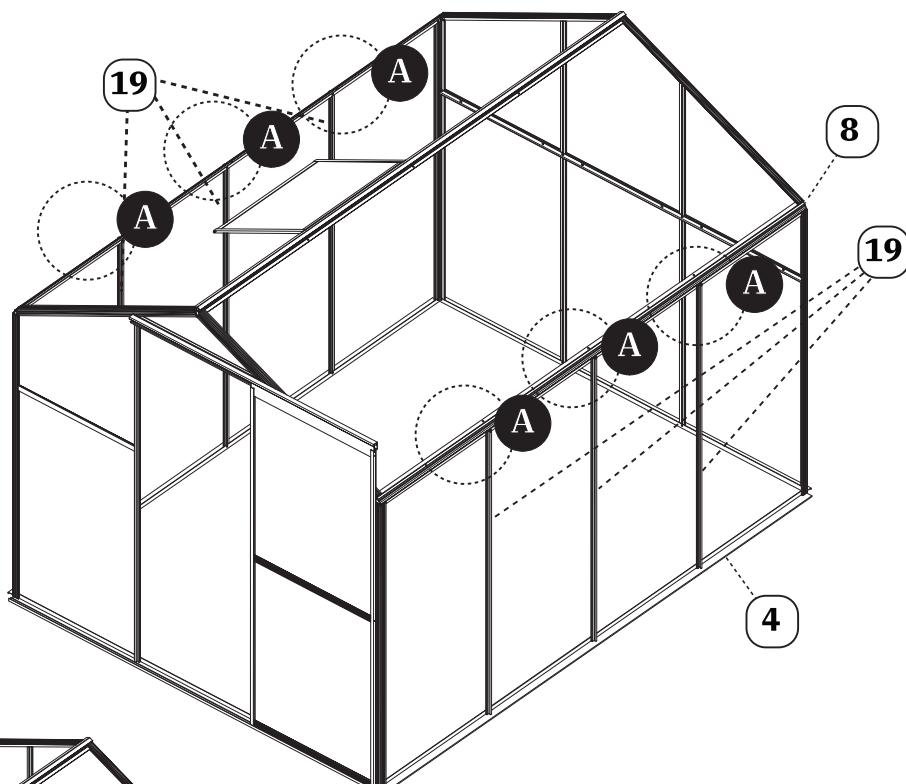
### Notice

About Step F, slide the **roof vent** into the **left track** of 17. Position of the roof vent will be adjusted later.



## 8. Assembling of Middle Frame

Part No.	Part	Qty.
19		6
20		6
F4		6



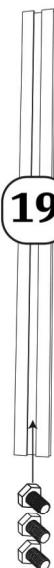
## 8. Assembling of Middle Frame Continued

**A-1**

Slide **19** to the position shown on previous page. The head of the Bolt **F4** on **8** and **4** should go into the groove of **19**.

**A-2**

Insert three **F4** inside the groove of **19**. You will notice two **F4**'s heads on **8** and **4**. Insert the two heads into the groove of **19** and make sure the three **F4** are caught in the middle. Fasten the two **F4** on **8** and **4**. Do this step for all the six **19**.



**INSIDE VIEW**

**B**

Insert three **F4** inside the groove of **20**. You will notice two **F4**'s heads on **8** and **17**. Insert the two heads into the groove of **20** and make sure the three **F4** are caught in the middle. Fasten the two **F4** on **8** and **4**. Only do this step for the two **20** on the left.



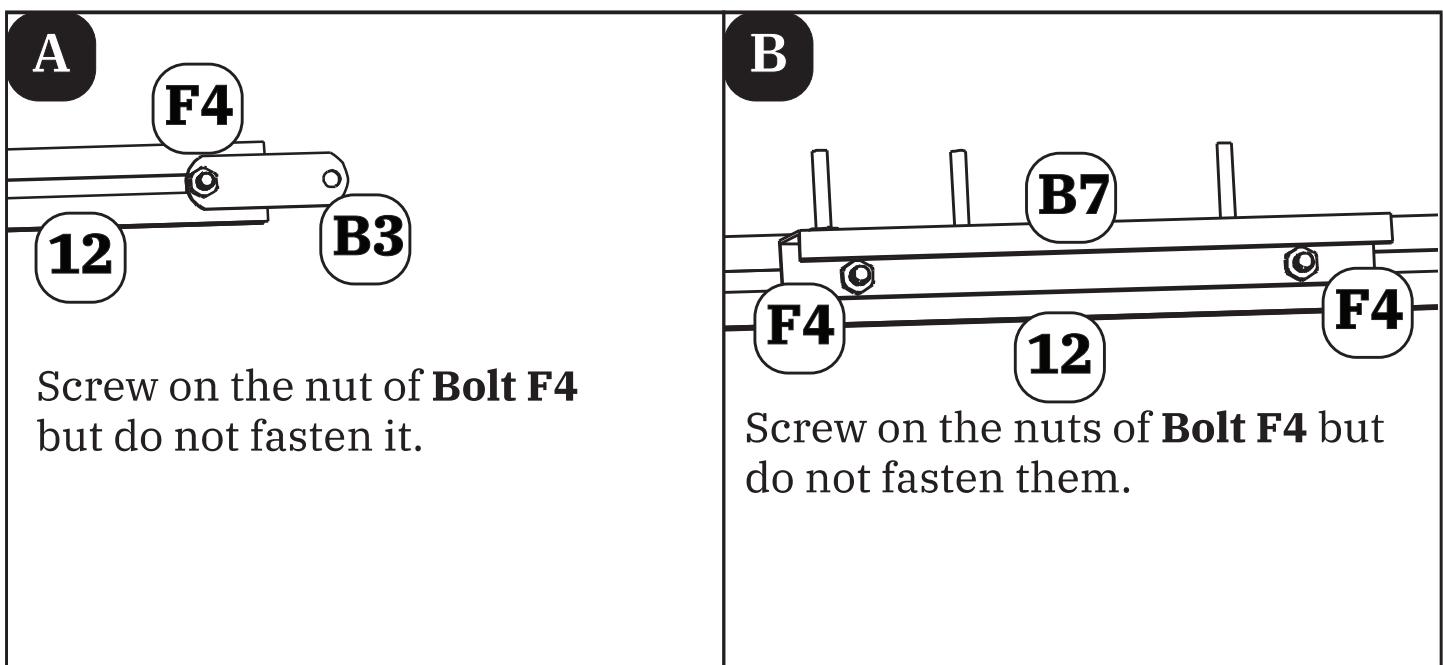
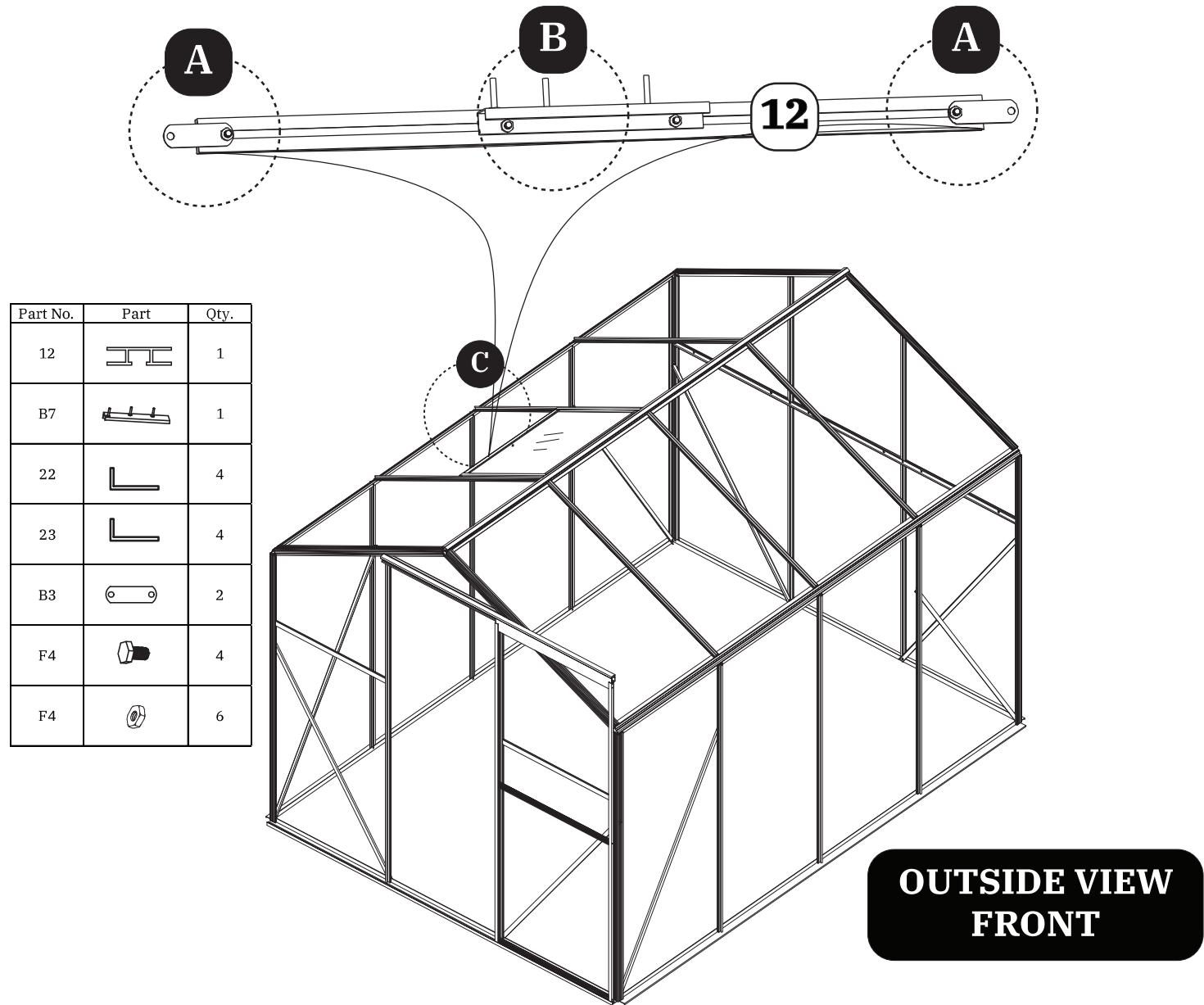
**C**

Insert two **F4** inside the groove of **20**. You will notice two **F4**'s heads on **8** and **17**. Insert the two heads into the groove of **20** and make sure the three **F4** are caught in the middle. Fasten the two **F4** on **8** and **4**. Do this step for the two **20** on the left and four **20** on the right.



**INSIDE VIEW**

## 9. Assembling of Roof Vent Holder



## 9. Assembling of Roof Vent Holder Continued

**C-1**

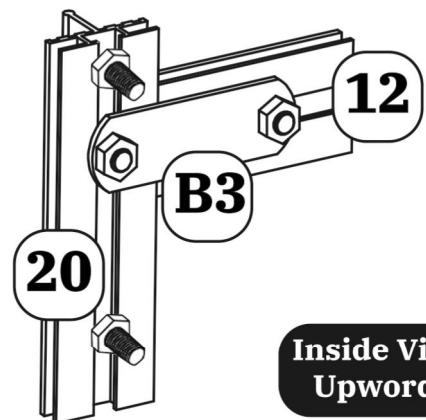
Place the newly assembled 12 next to the roof vent. Note that the three pointers of B7 must face toward the ridge.

Locate two previously inserted **F4 Bolts**, in the groove of **20**

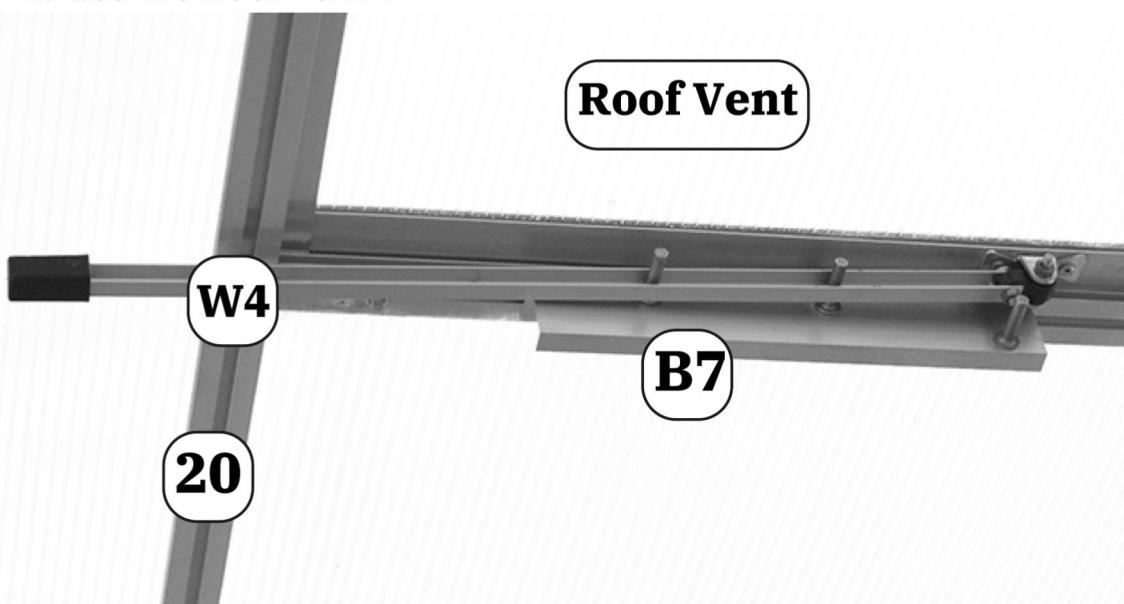
Adjust the position of two **B3** assembled to **12** in **Step A** to a position so that the two **F4 Bolts** found in **Step C-1** go through the holes of **B3**.

**C-2**

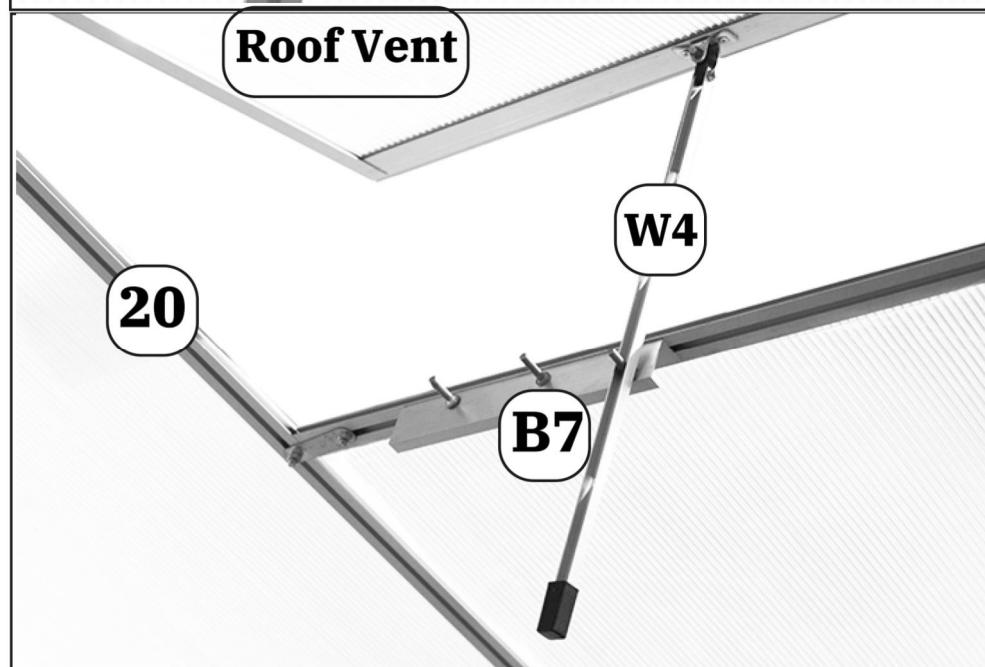
Fasten the four **F4** on two **B3** with nuts. Notice that after C-2 is done, there are two **F4** that can move freely inside the two **F4** on the left that are next to the vent.



How to use the Roof Vent-1



**Roof Vent**



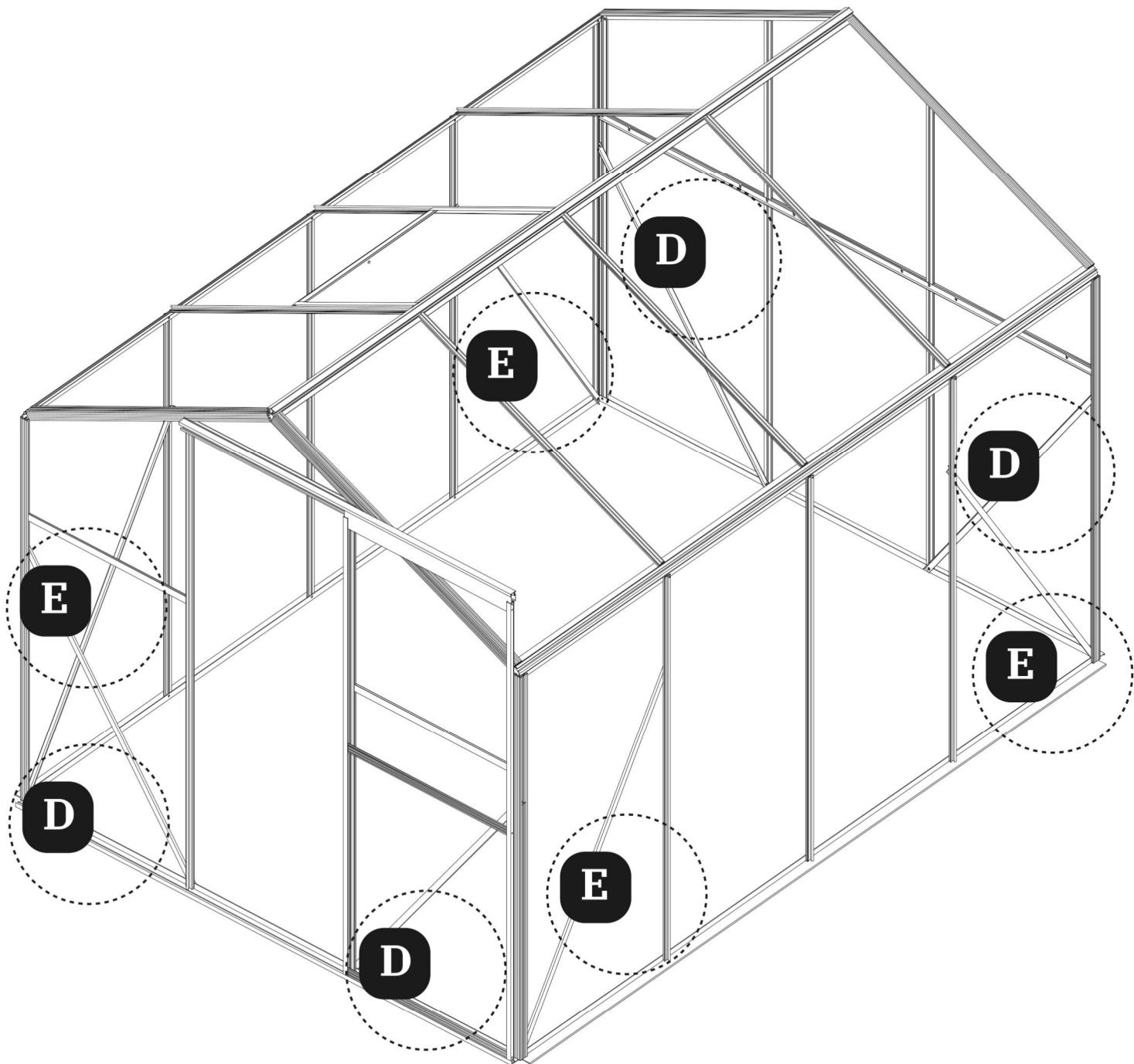
**20**

**B7**

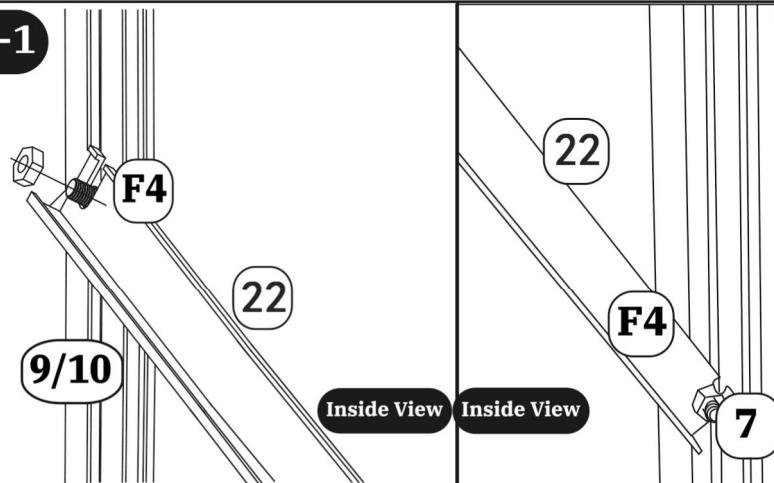
**W4**

Note that B7's position decides the opening height of the roof vent. Fasten the nuts on B7 when you are satisfied with the opening.

## 10. Assembling of Side Braces



D-1



D-2

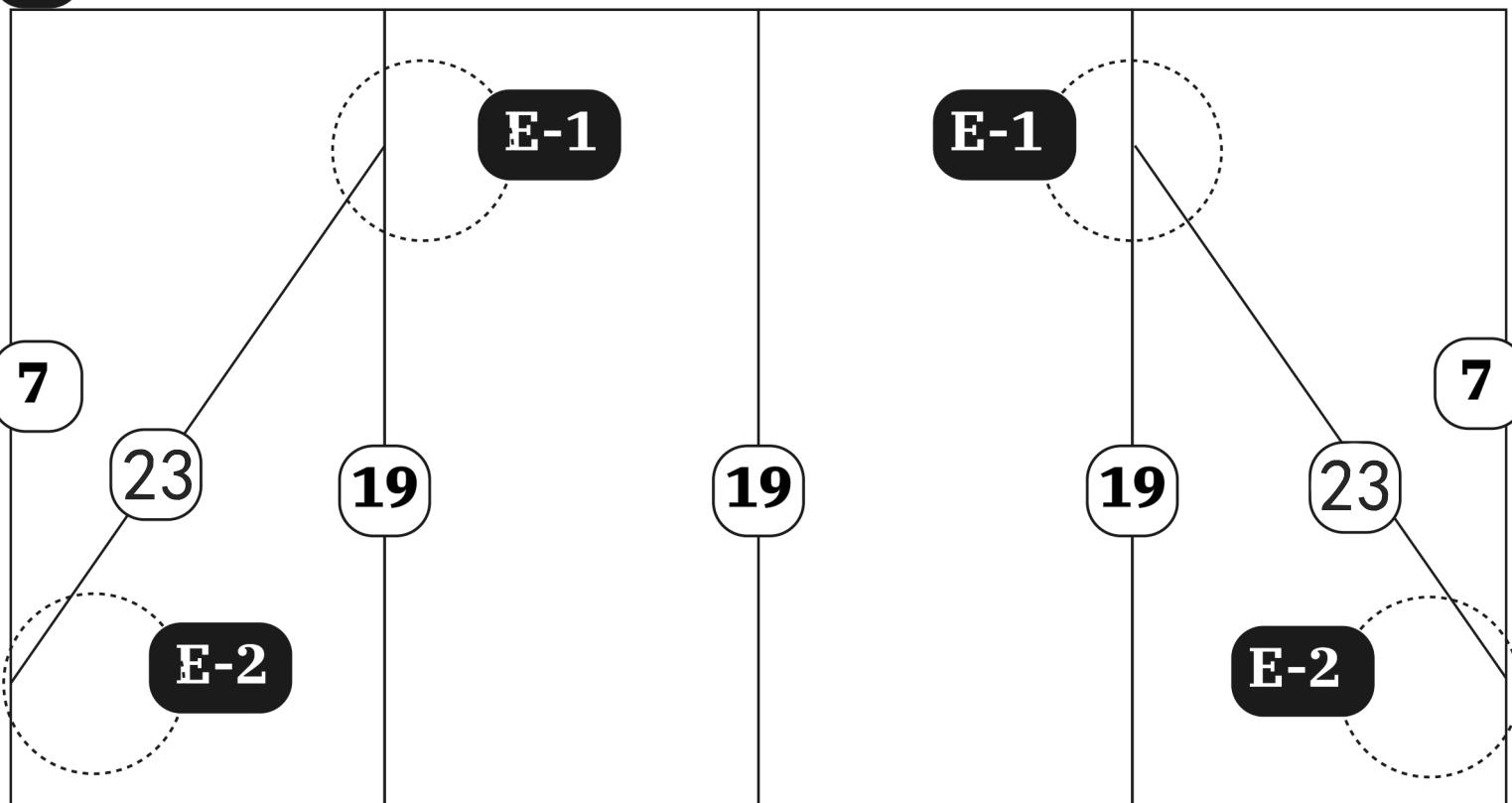
### Step D-1 and D-2

This step utilizes two previously inserted **F4 Bolts**, one in the groove of **9** (or **10L/10R** for the backwall), the other in the groove of **7**.

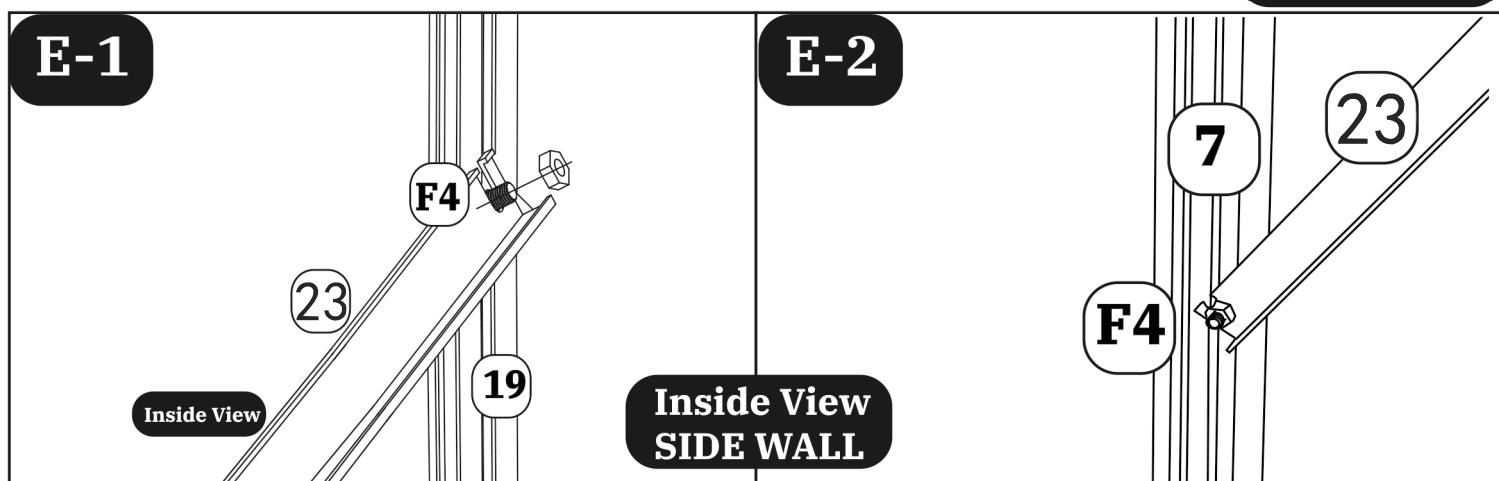
Slide these two bolts to the position shown on the diagrams above and place **22** under the bolts. Fasten the nuts.

## 10. Assembling of Side Braces Continued

E



Inside View  
SIDE WALL

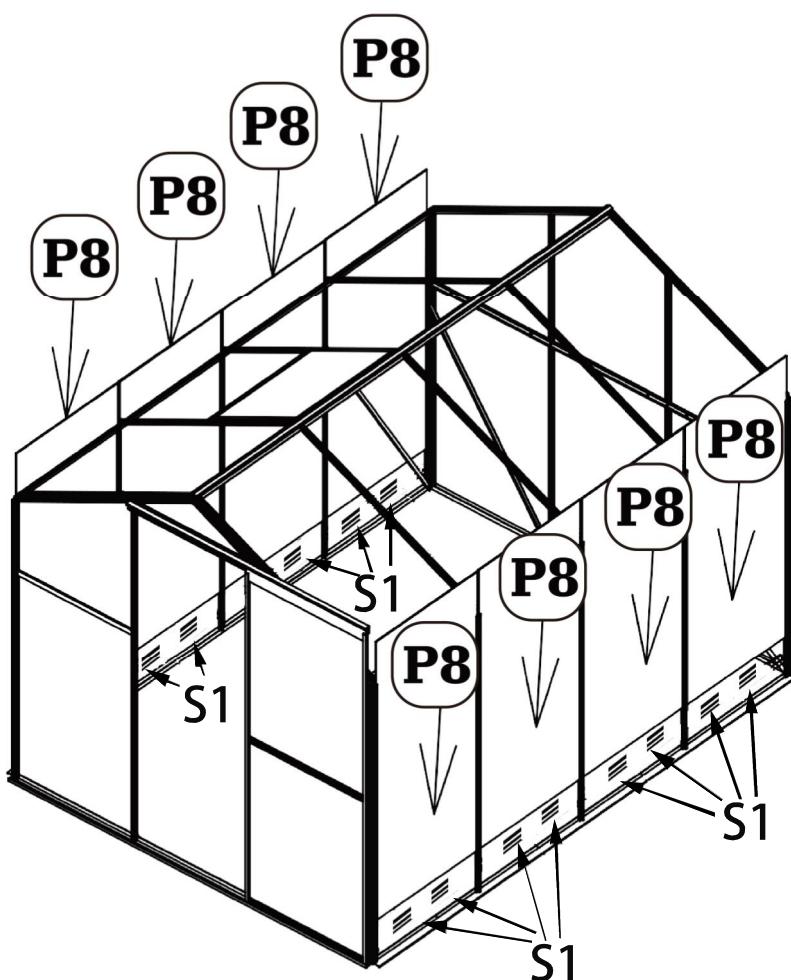


### Step E-1 and E-2

This step utilizes two previously inserted **F4 Bolts**, one in the groove of **19** the other in the groove of **7**.

Slide these two bolts to the position shown on the diagrams on previous page and place **23** under the bolts. Fasten the nuts.

## 11. Assembling of Panels



A

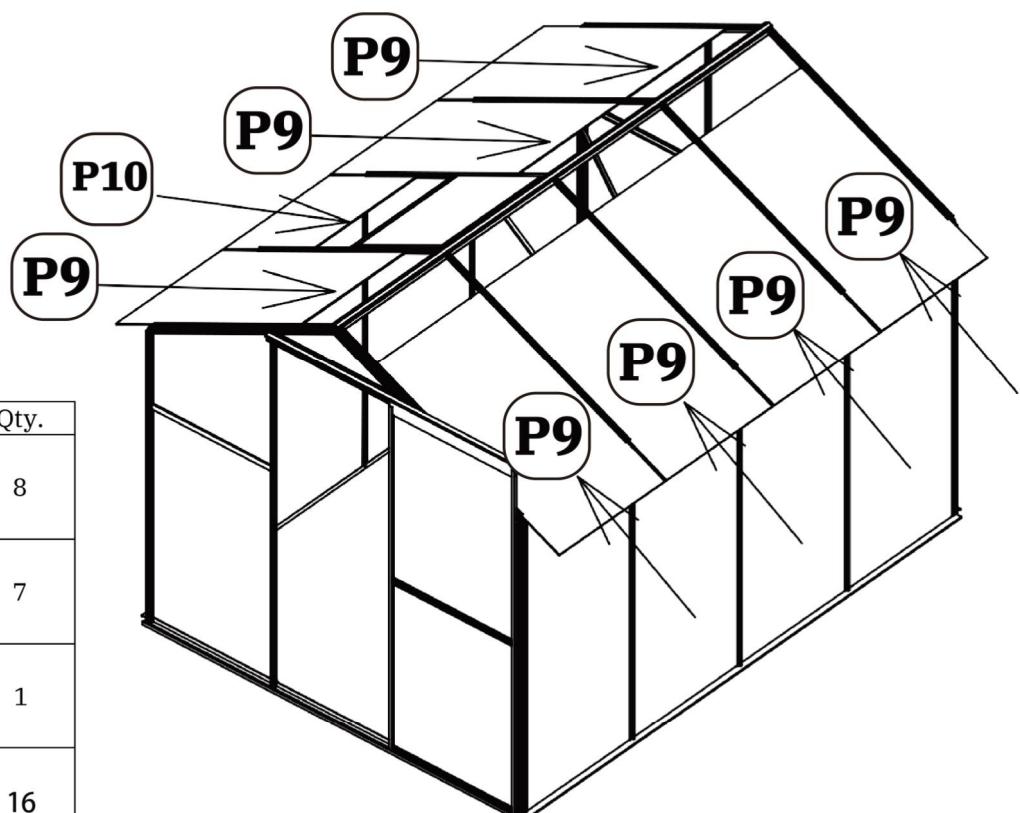
Insert Panel **P8**.

B

Insert Panel **P9**.

C

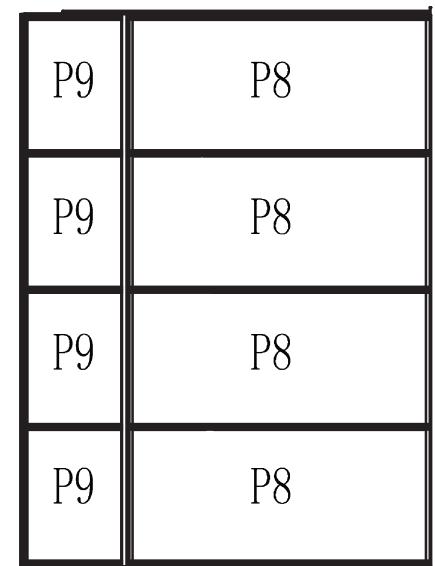
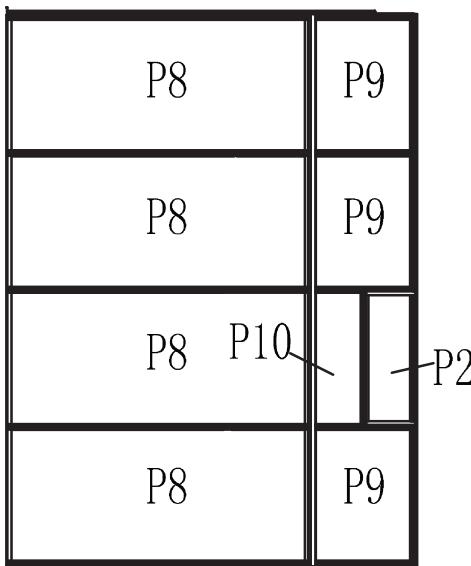
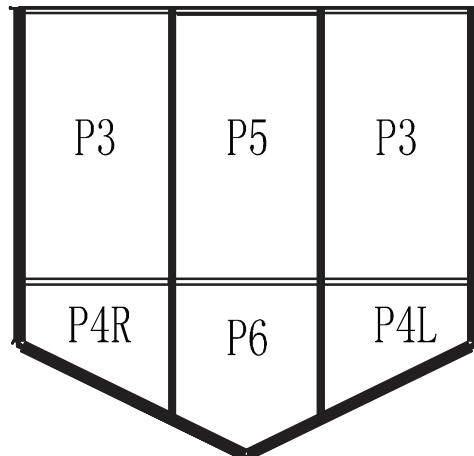
Insert Panel **P10**.



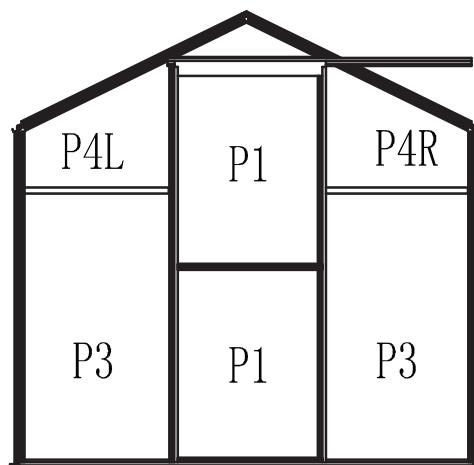
Part No.	Part	Qty.
P8		8
P9		7
P10		1
S1		16

## Polycarbonate Panel Layout

**Back**



**Left**

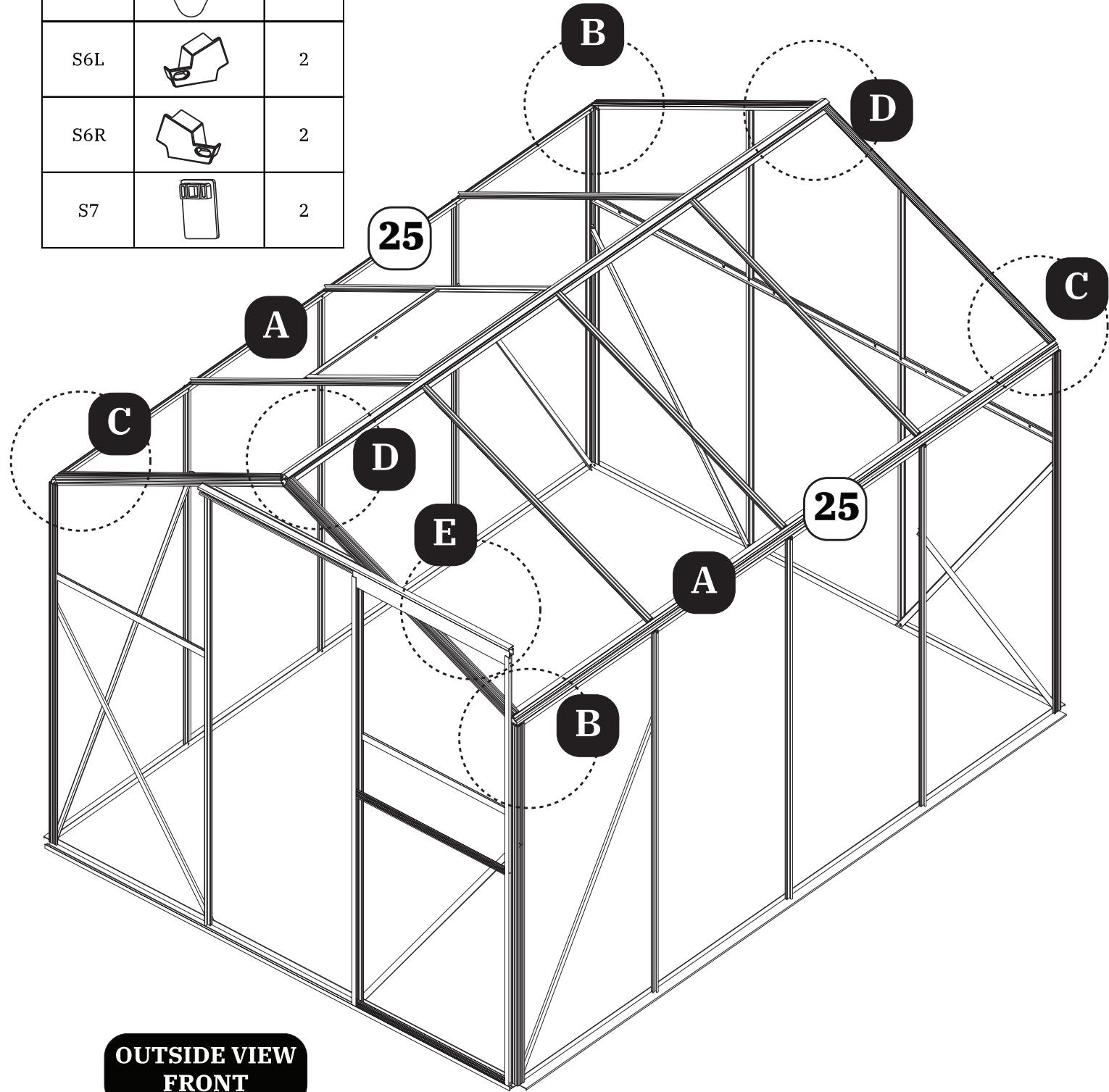


**OUTSIDE VIEW**

**Front**

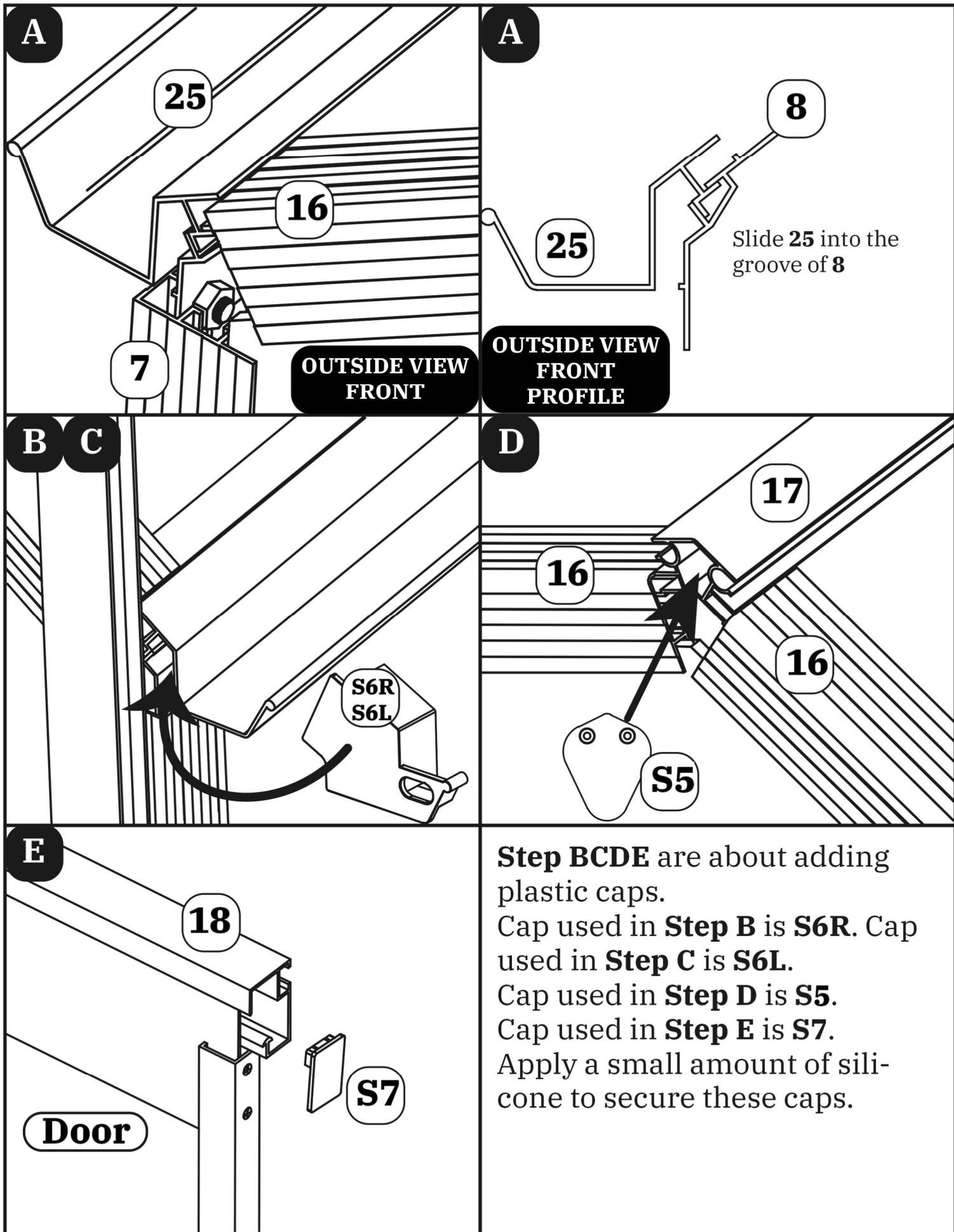
## 12. Assembling of Gutters and Caps

Part No.	Part	Qty.
25(25L+25R)		2
S5		2
S6L		2
S6R		2
S7		2

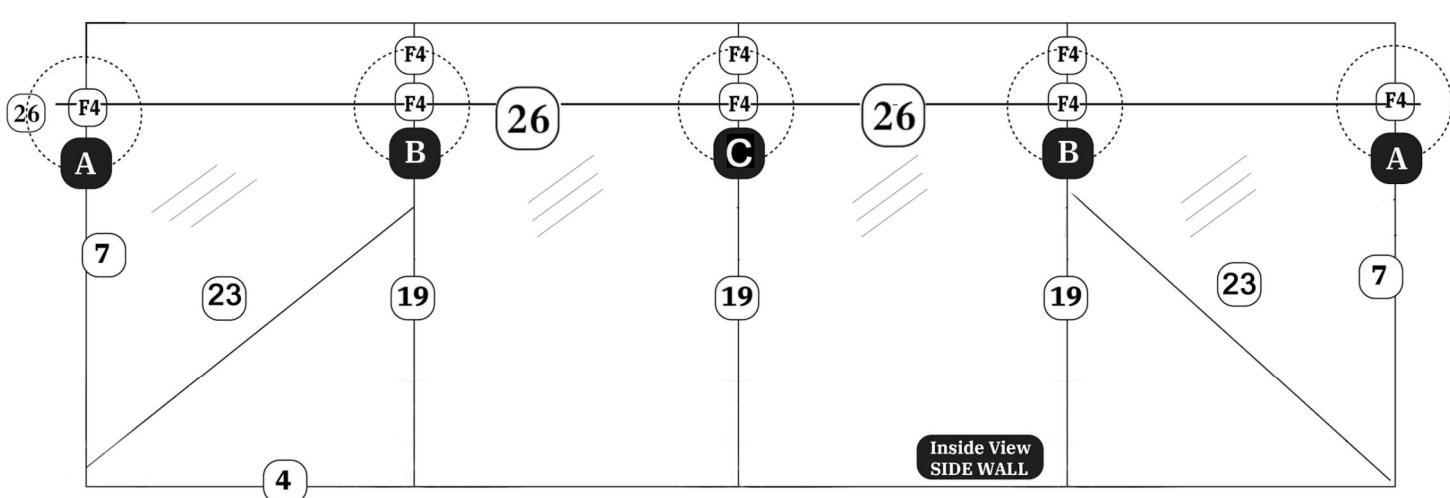
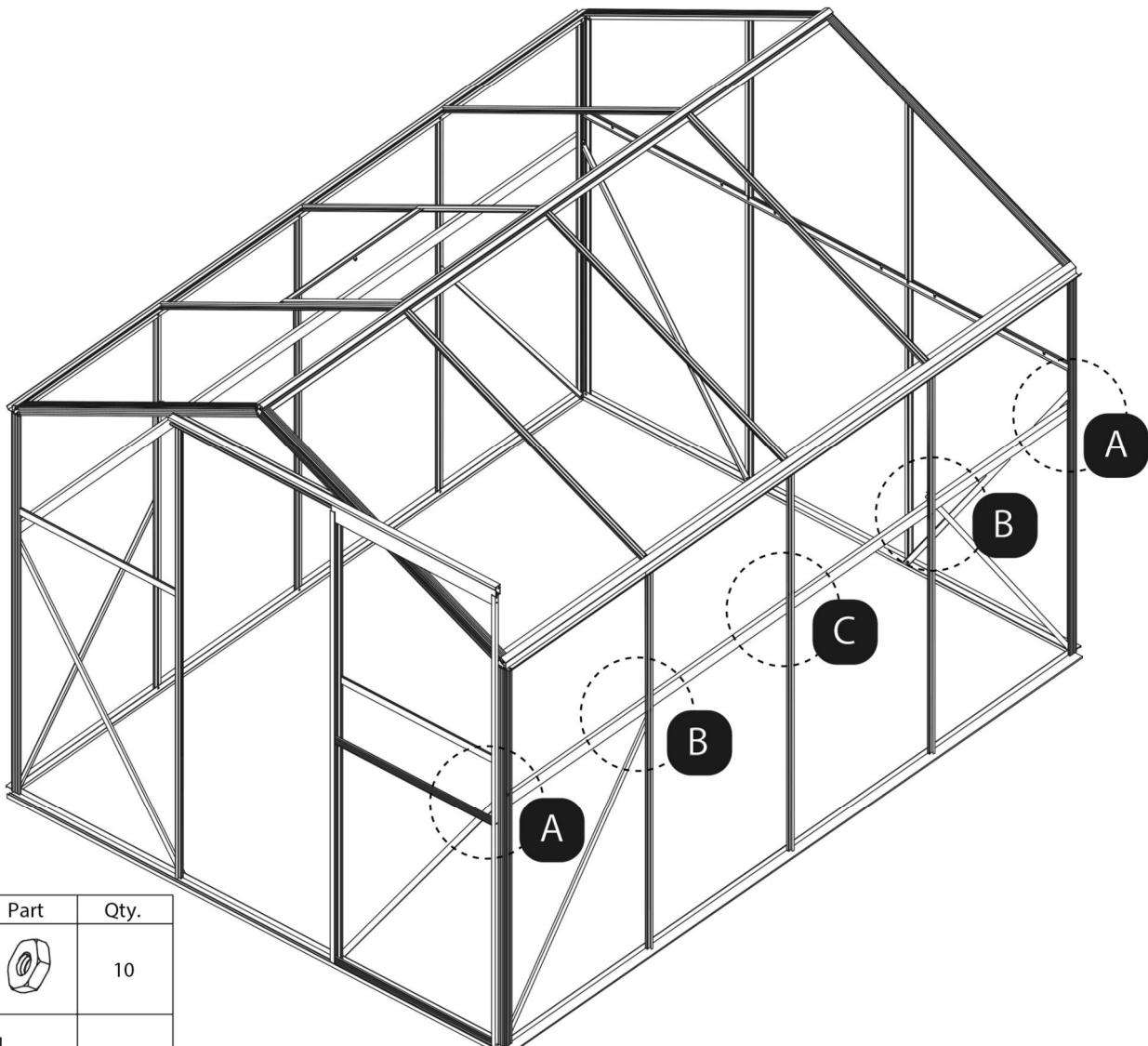


OUTSIDE VIEW  
FRONT

## 12. Assembling of Gutters and Caps Continued



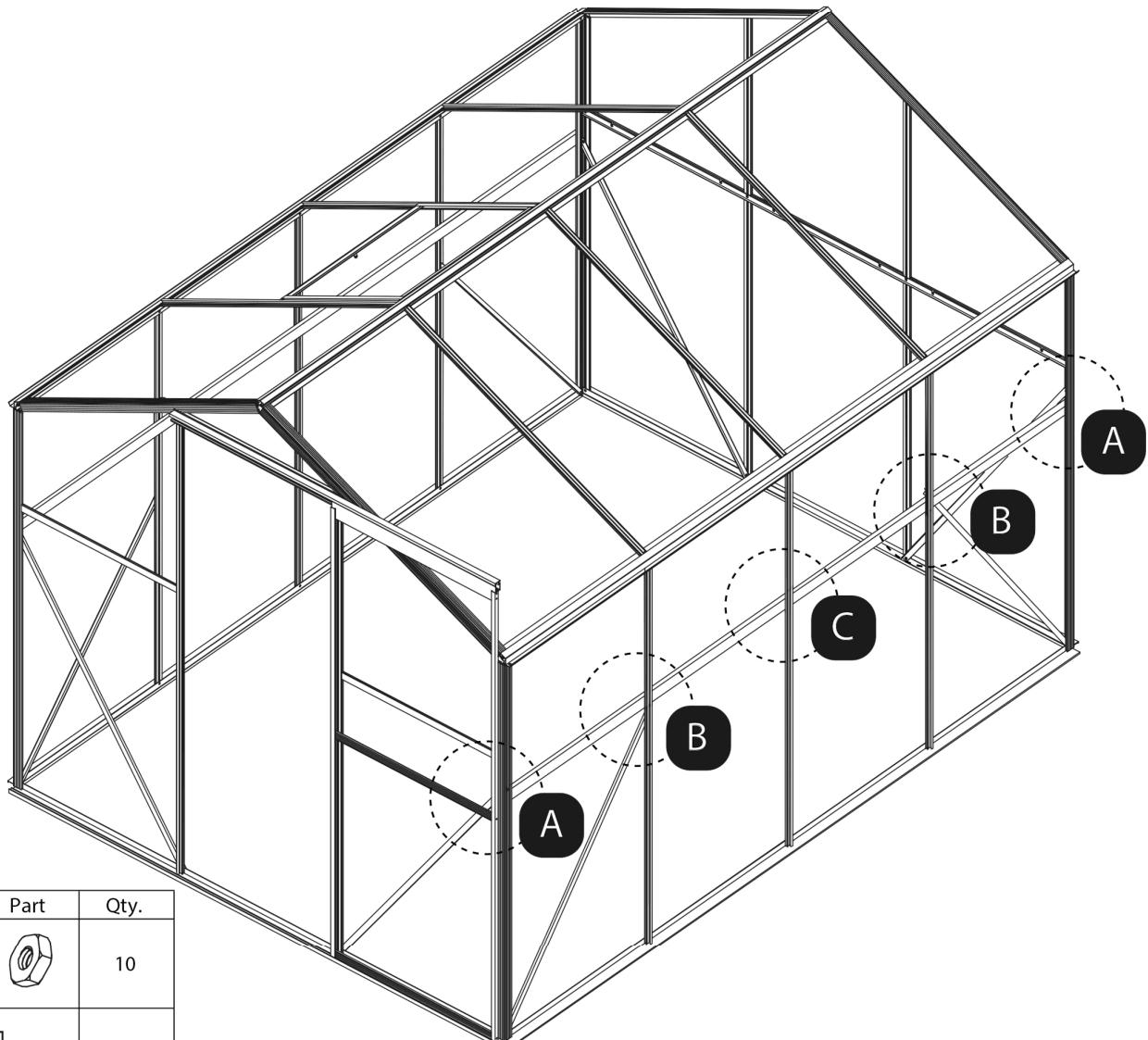
## 13. Assembling of Horizontal Braces



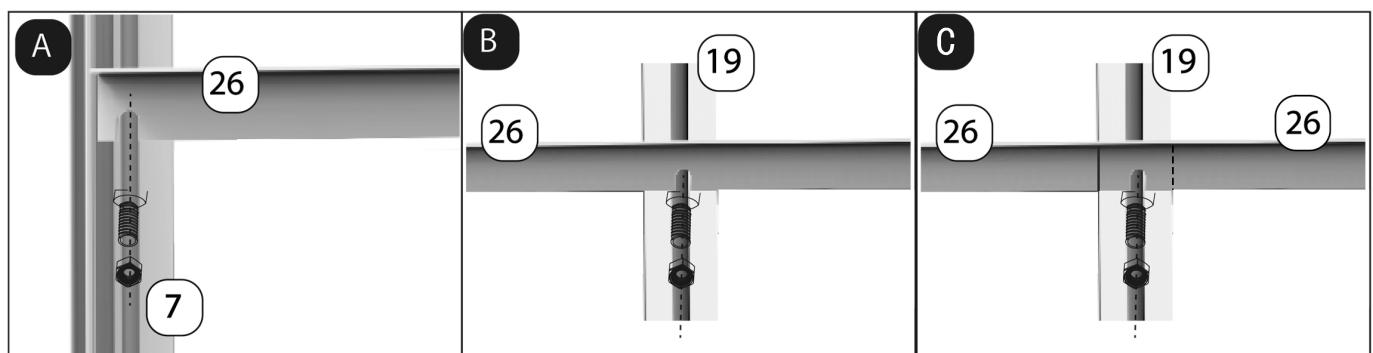
Use the free F4 in 7 and the lower F4 in 19 to connect the brace 26 to the side wall.

After this step is done, you will still have one F4 in each 19.

## 13. Assembling of Horizontal Braces



Part No.	Part	Qty.
F4		10
26		4

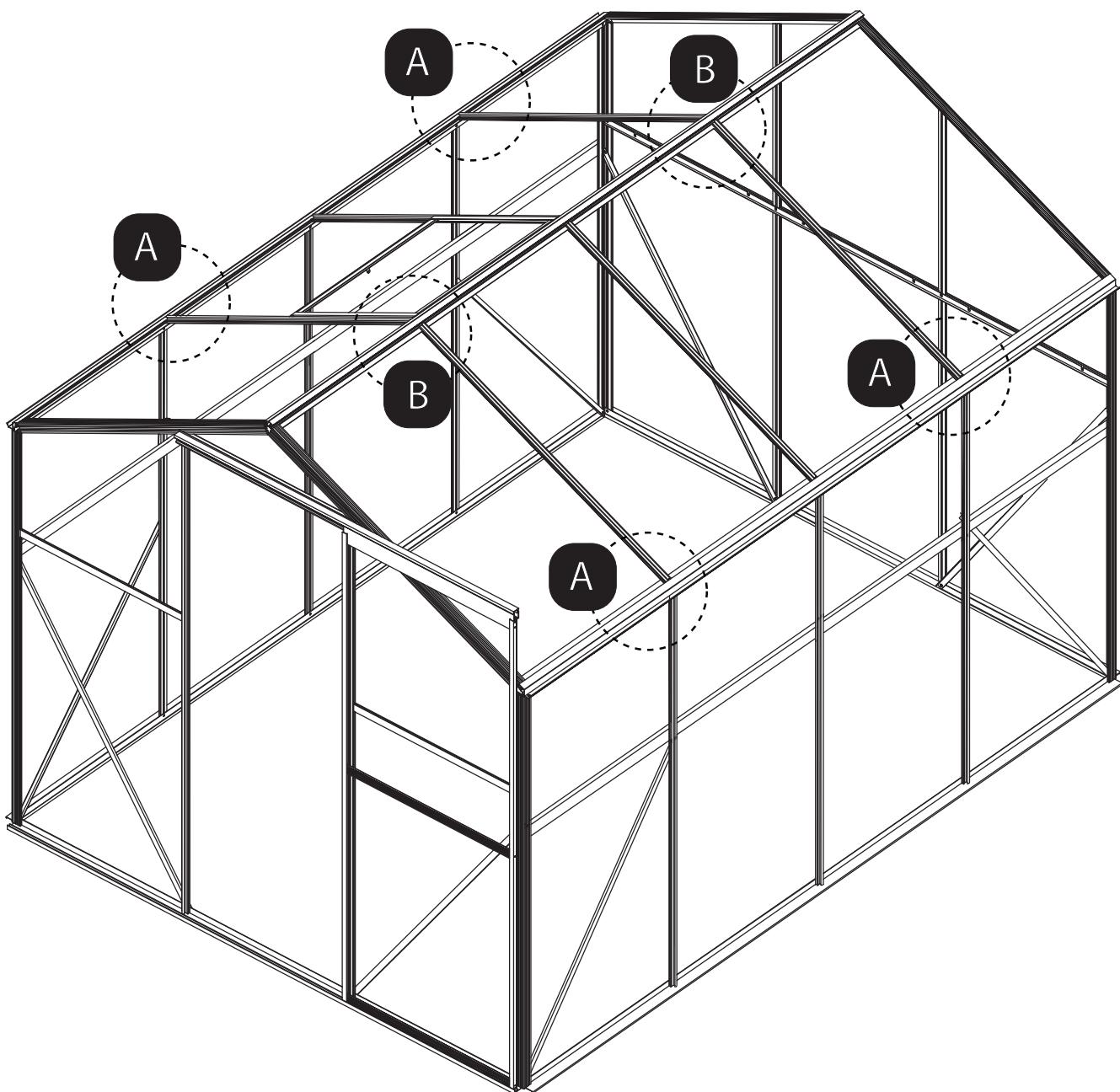


**Notice 1**  
The bolt comes from 7, which was inserted into the groove of 7 in previous step. You do not need new bolts.

**Notice 2**  
The bolt comes from 19, which was inserted into the groove of 19 in previous step. You do not need new bolts.

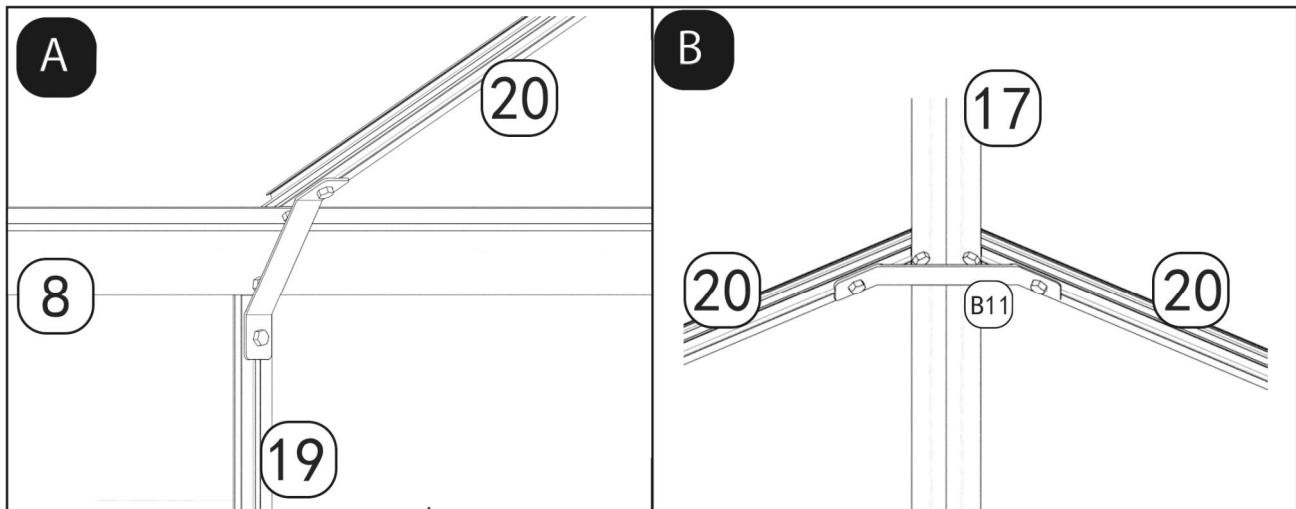
**Notice 2**  
**Two 26 over lap.**  
The bolt comes from 19, which was inserted into the groove of 19 in previous step. You do not need new bolts.

## 14. Assembling of Horizontal Braces



Part No.	Part	Qty.
F4		12
B11		6

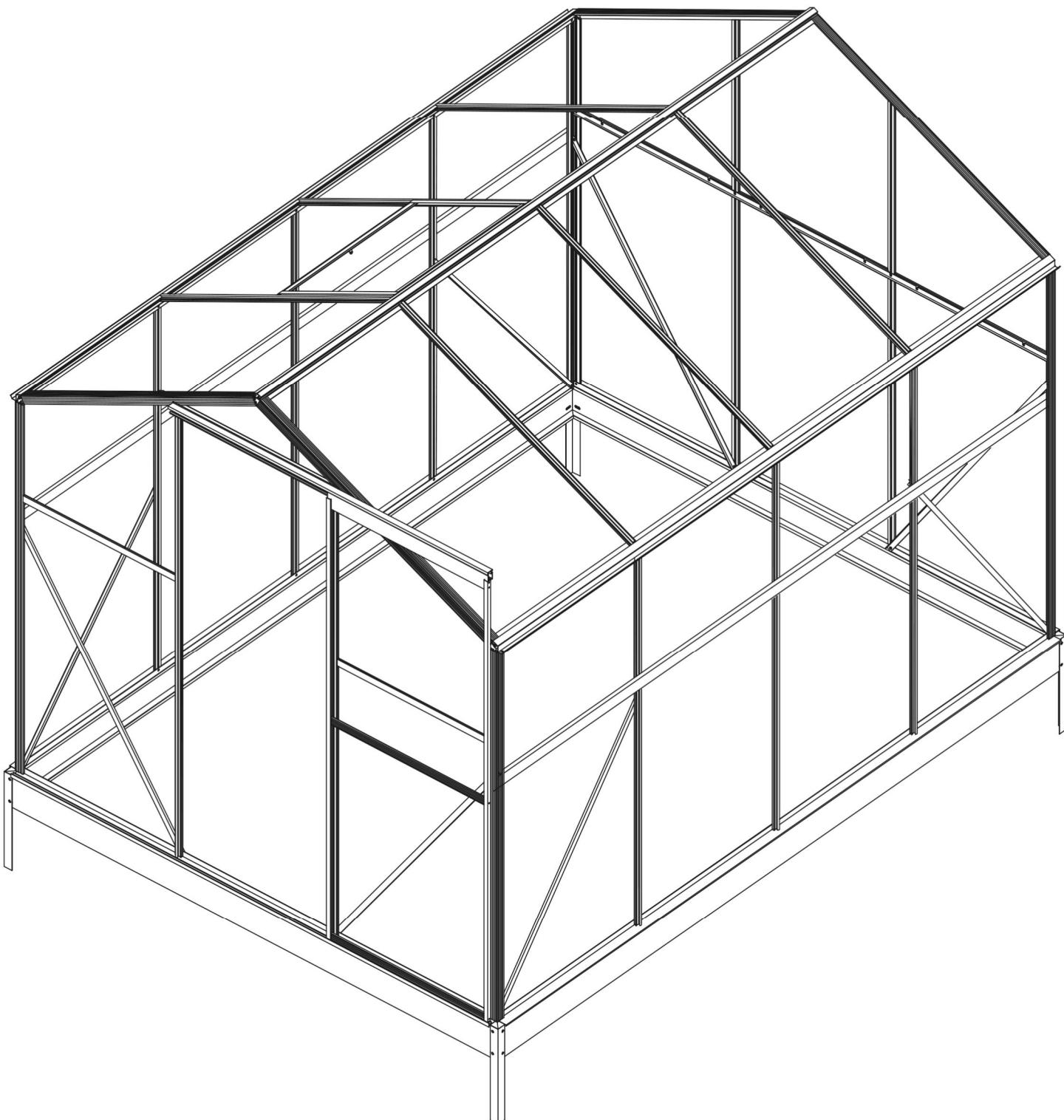
## 14. Reinforcing the Frame With Small Braces



### Notice 1

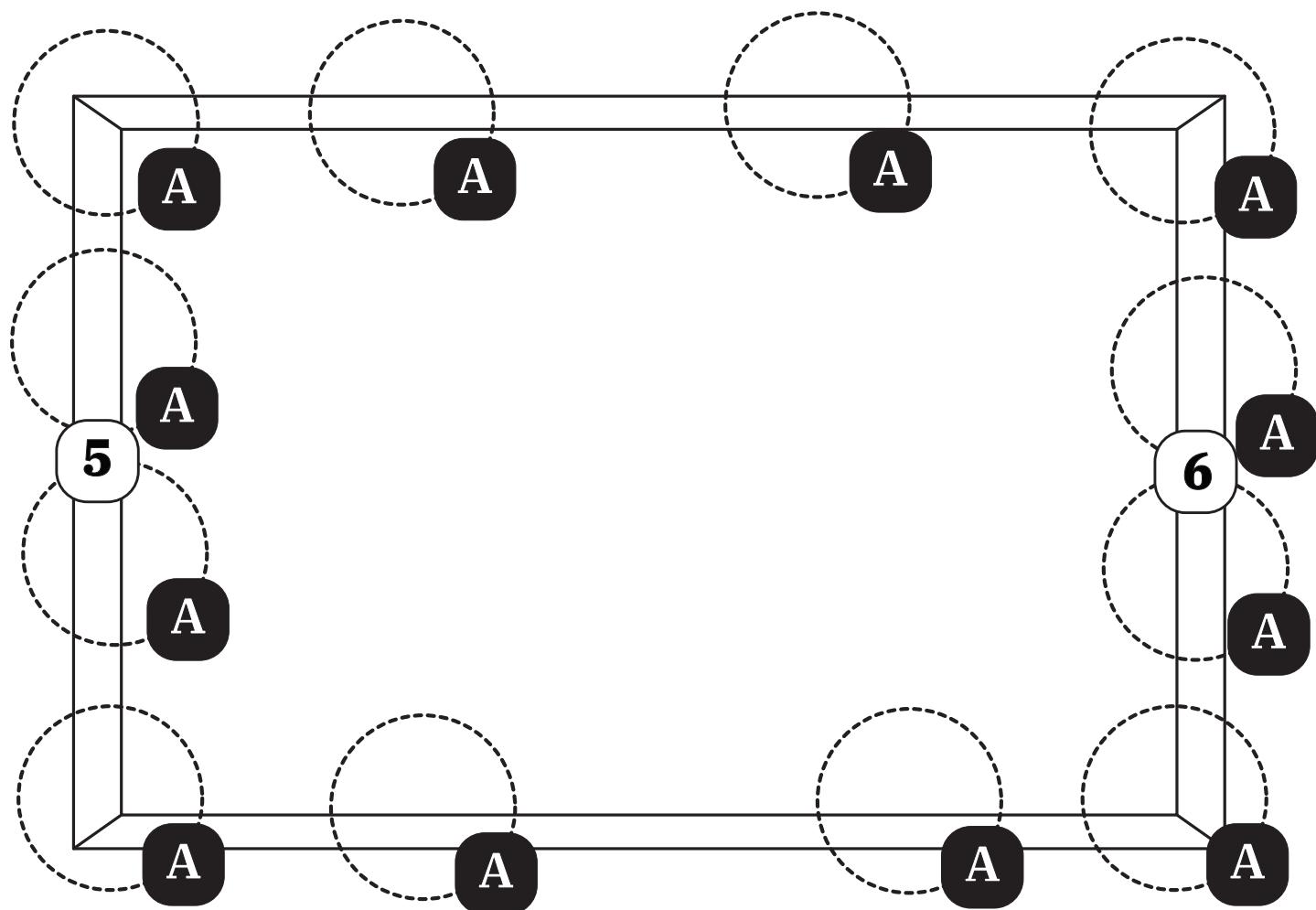
We will use 9 smaller braces B11 to improve the overall stability of the greenhouse. Use six B11 to connect 19 and 20, and three B11 to connect two 20. The left F4 in the groove of 19 and 20 are for this step. Fasten the F4 with nuts.

## Securing the greenhouse to the prefabricated Base



Part No.	Part	Qty.
B2		18

## Securing the greenhouse to the prefabricated Base Continued



TOP TO BOTTOM VIEW

A

Get inside the greenhouse and locate all the **F4 Bolts** on **4**, **5**, and **6**.

Unscrew the nuts.

Attach **B2** to the bolt, fasten the nut to secure the greenhouse to the base.

There are 18 **F4 Bolts**.

