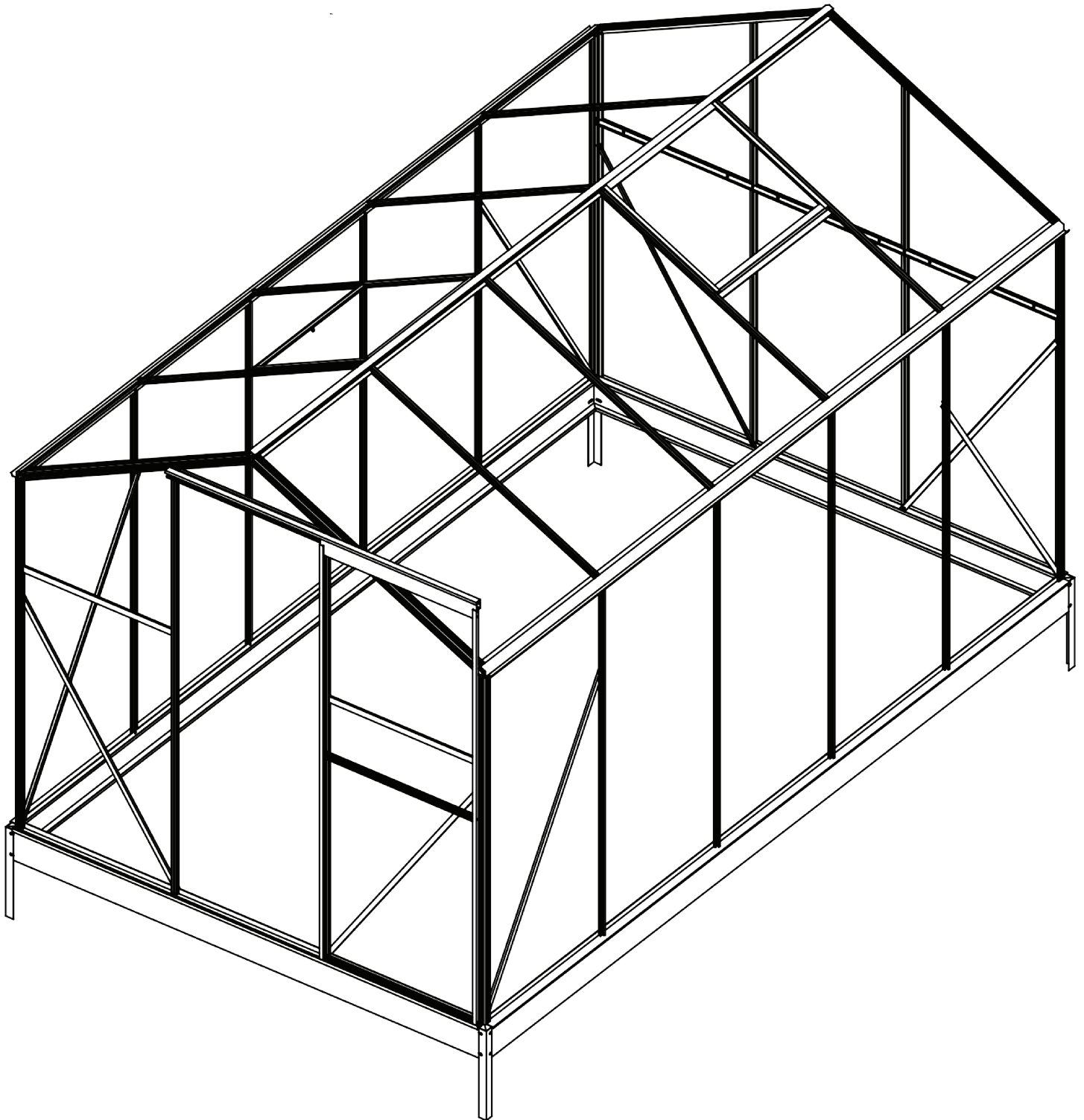


Assembly Manual

for Polycarbonate Greenhouses

10 x 6 Greenhouse



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.

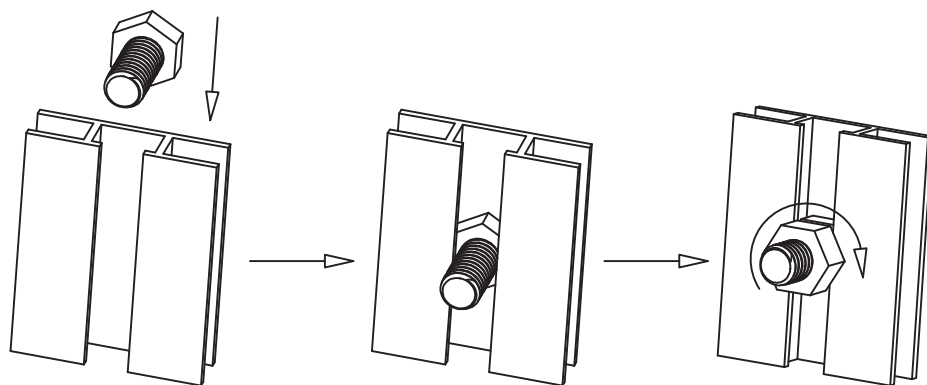
ABOUT THIS MANUAL

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.




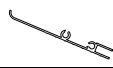






































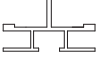


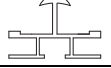



















Layout each part needed for a step before working on that step.

MAINTENANCE

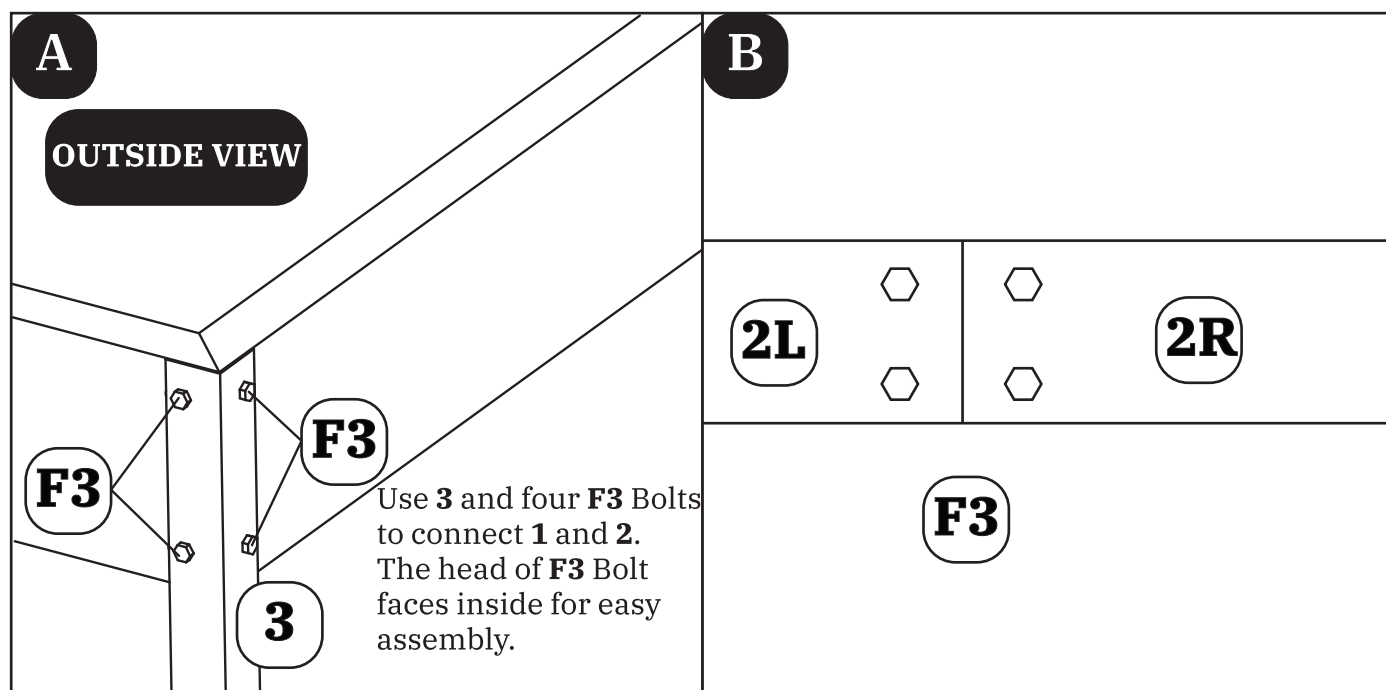
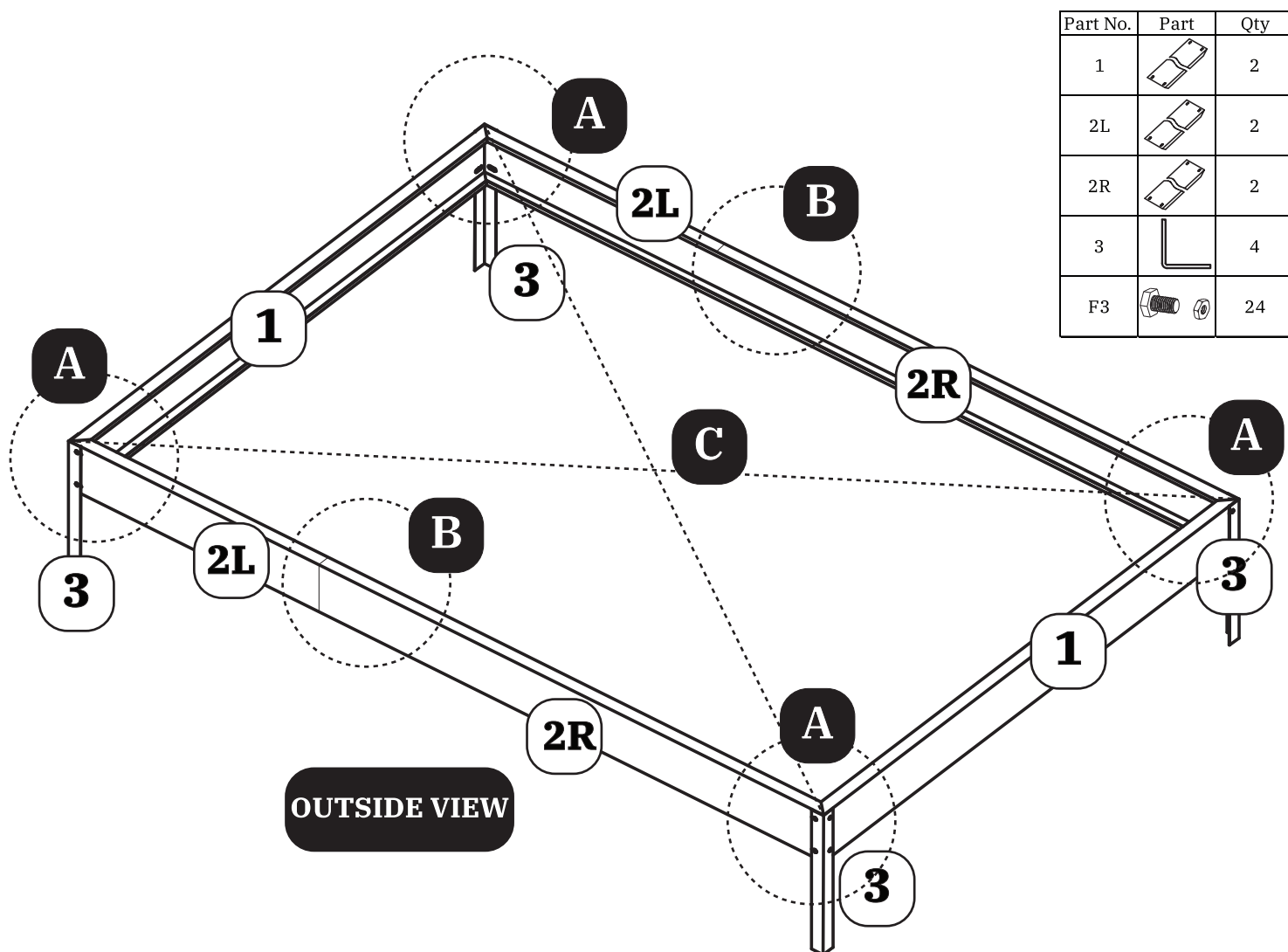
Inspect the greenhouse periodically.

When the greenhouse needs cleaning, use a gentle detergent.

PARTS LIST

Part No.	Part	Qty.	Part No.	Part	Qty.	Part No.	Part	Qty.
D1		1	4L+4R		2+2	P1		2
D2		1	5		1	P2		2
D3		2	6		1	P3		4
D4		1	7		4	P4L		2
F1		8	8L+8R		2+2	P4R		2
Part No.	Part	Qty.	9		2	P5		1
W1		2	10L		1	P6		1
W2		4	10R		1	P7		1
W3		2	12		6	P8		10
W4		2	13		1	P9		8
S8		2	14		1	P10		2
S9		2	15		1	Part No.	Part	Qty.
F2		8	16		4	F4		144
F8		2	17L+17R		1+1	F6		2
F9		2	18		1	Part No.	Part	Qty.
Part No.	Part	Qty.	19		8	F5		40
S5		2	20		8	B8		1
S6L		2	22		4	B9		2
S6R		2	23		4	B10		2
S7		2	25L+25R		2+2			
Part No.	Part	Qty.	B3		8			
1		2	B4		4			
2L+2R		2+2	B5		4			
3		4	B6		2			
F3		24	B7		2			
B2		20						

Assembling of Pre-fabricated Base



Assembling of Pre-fabricated Base Continued

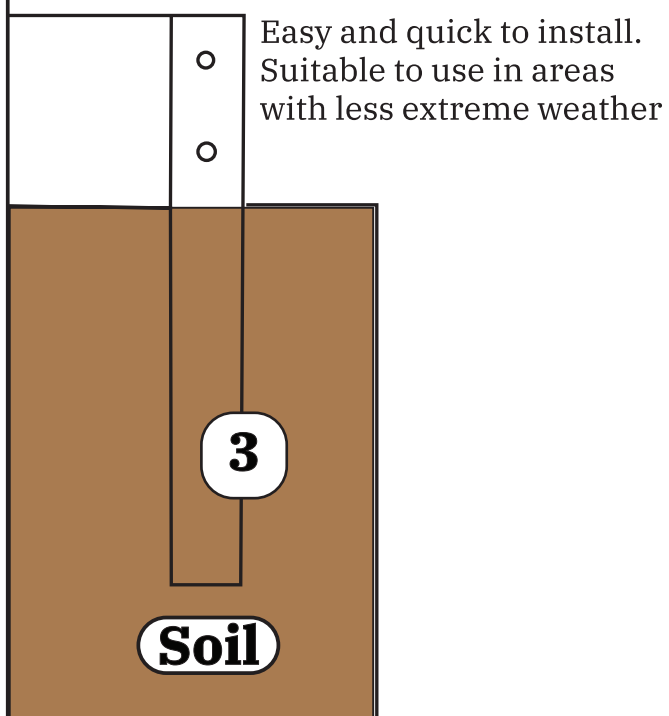
C Take the fully assembled base to the chosen site and secure the base to the ground.

TIP: measure the length of the two diagonal of the base to make sure that the base is in a square shape.

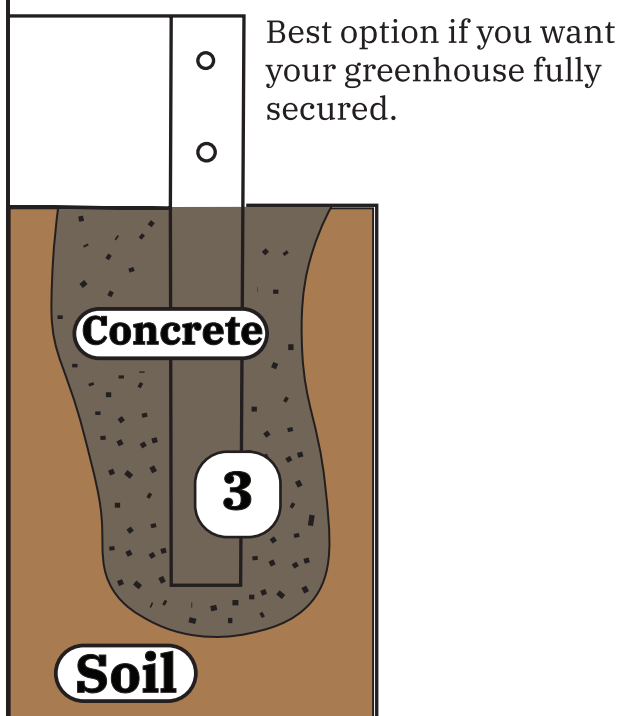
Use a level to make sure the secured base is flat.

Two foundation options with pre-fabricated Base

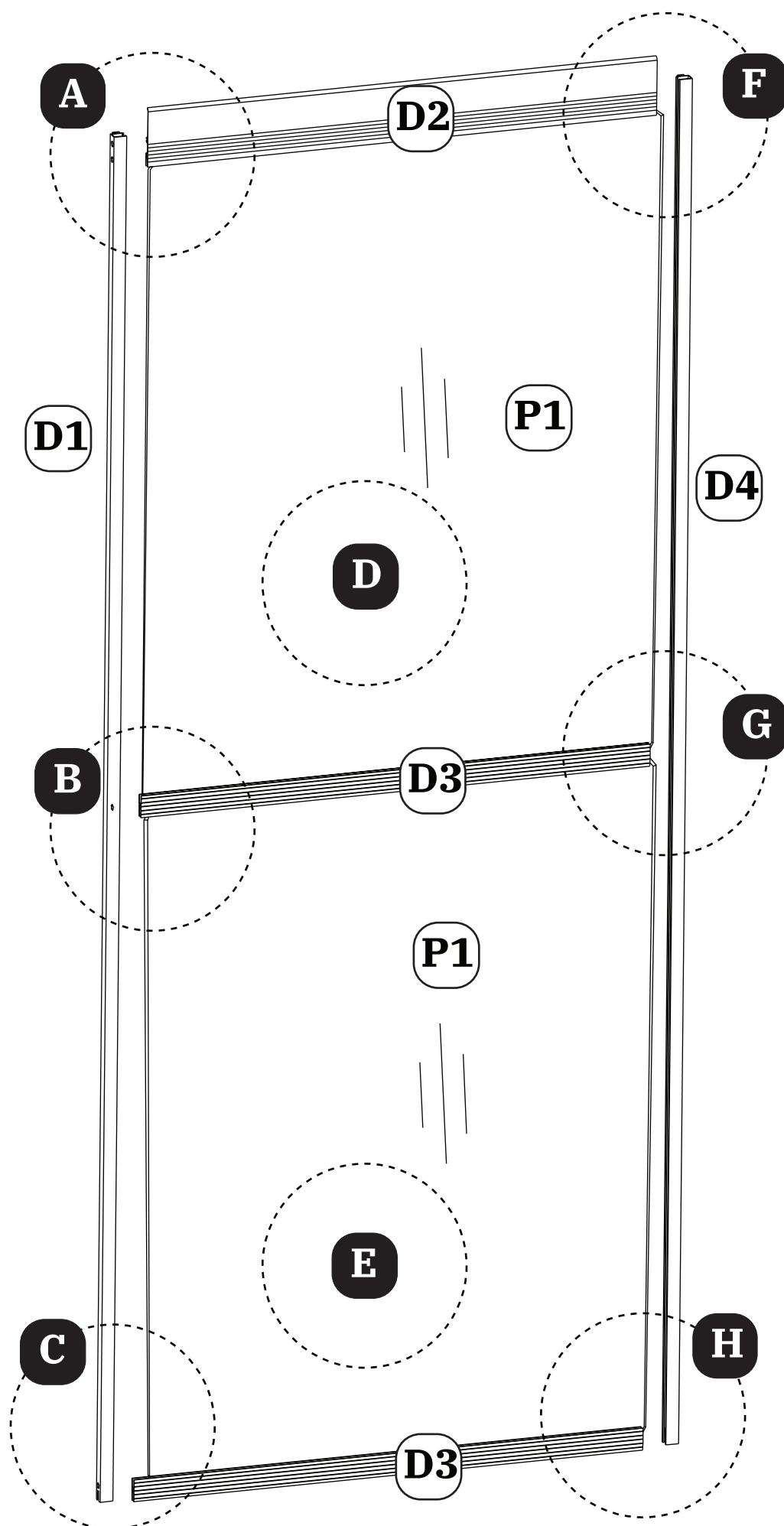
Option 1 Corner Stakes mounted into the soil



Option 2 Corner Stakes mounted into concrete



1. Assembling of Door



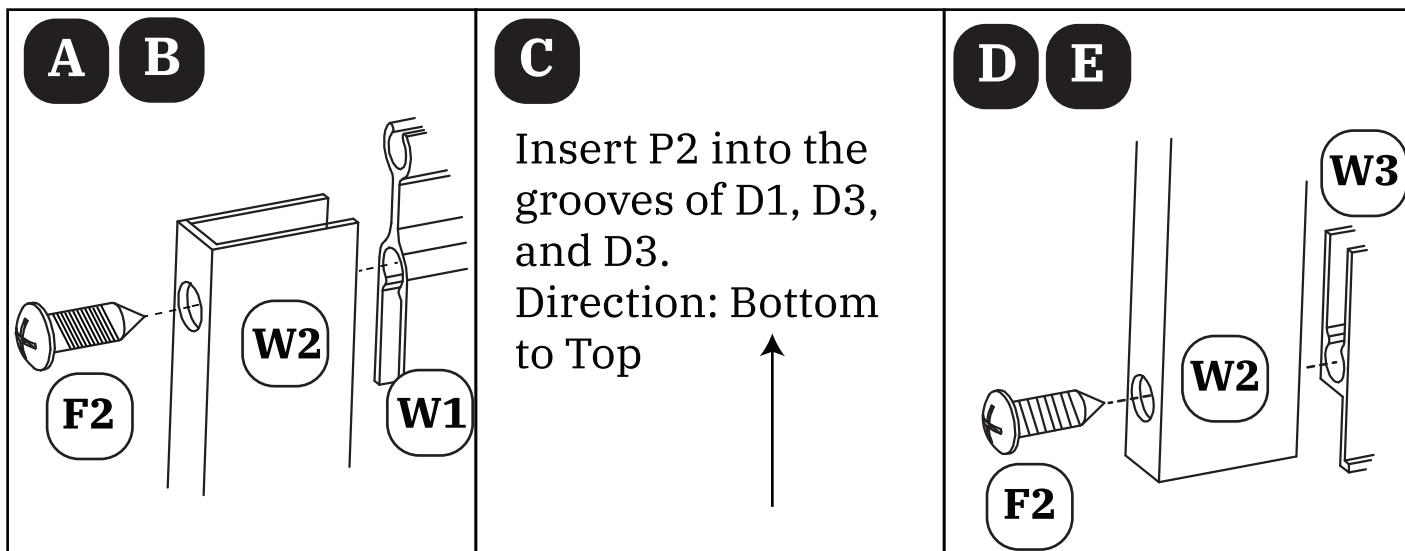
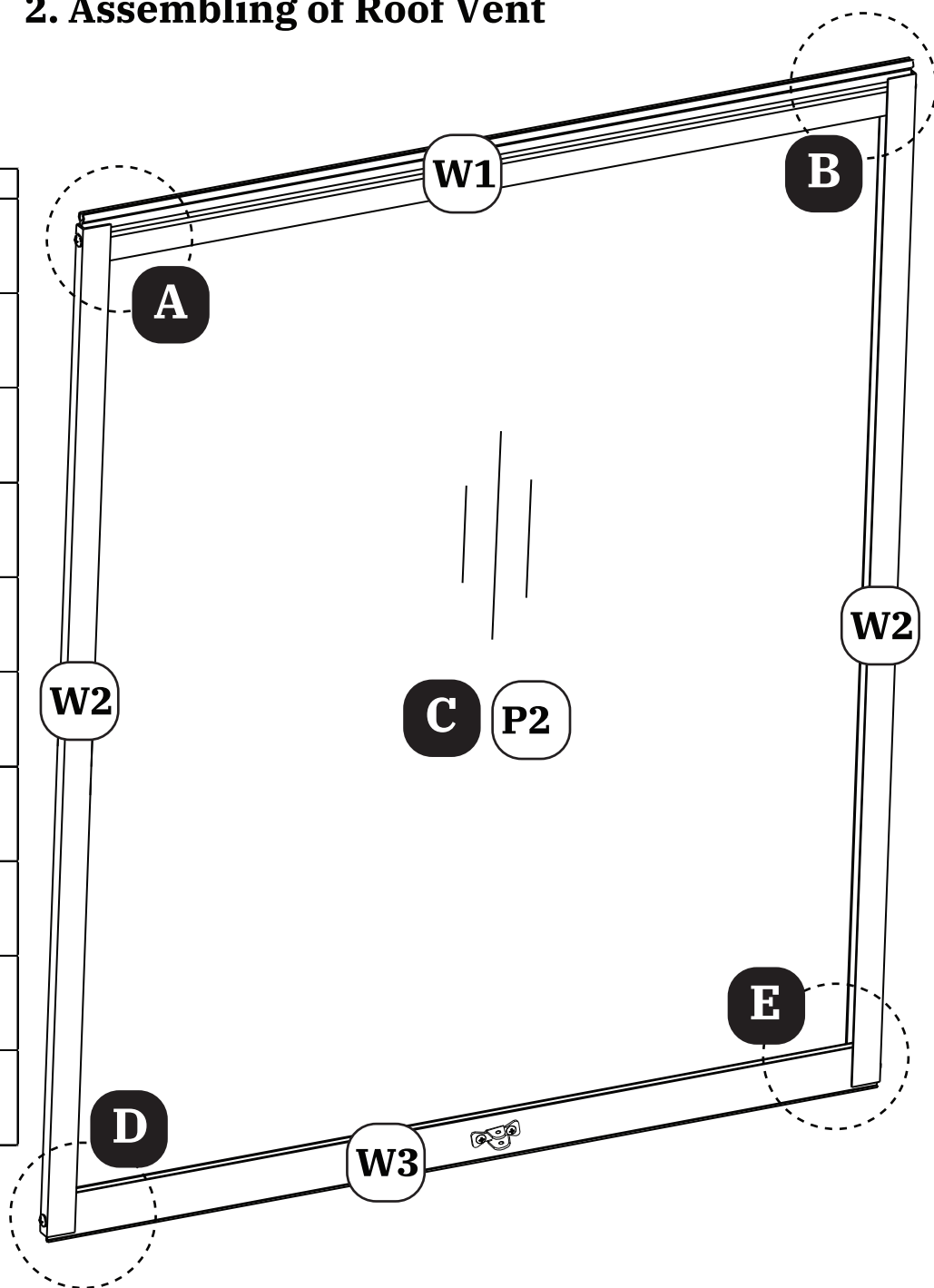
Part No.	Part	Qty.
D1		1
D2		1
D3		2
D4		1
F1		8
P1		2

OUTSIDE VIEW

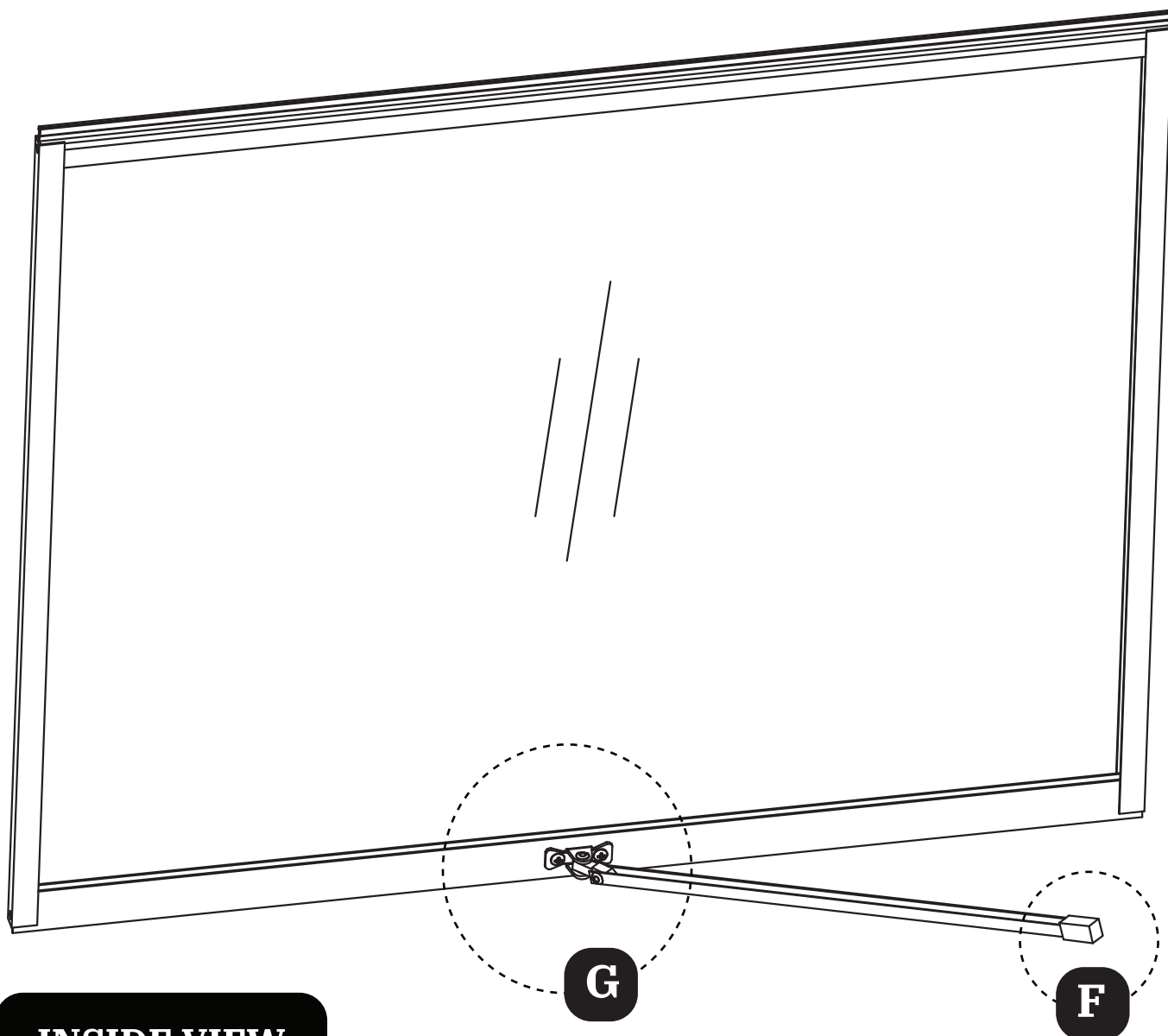
1. Assembling of Door Continued

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

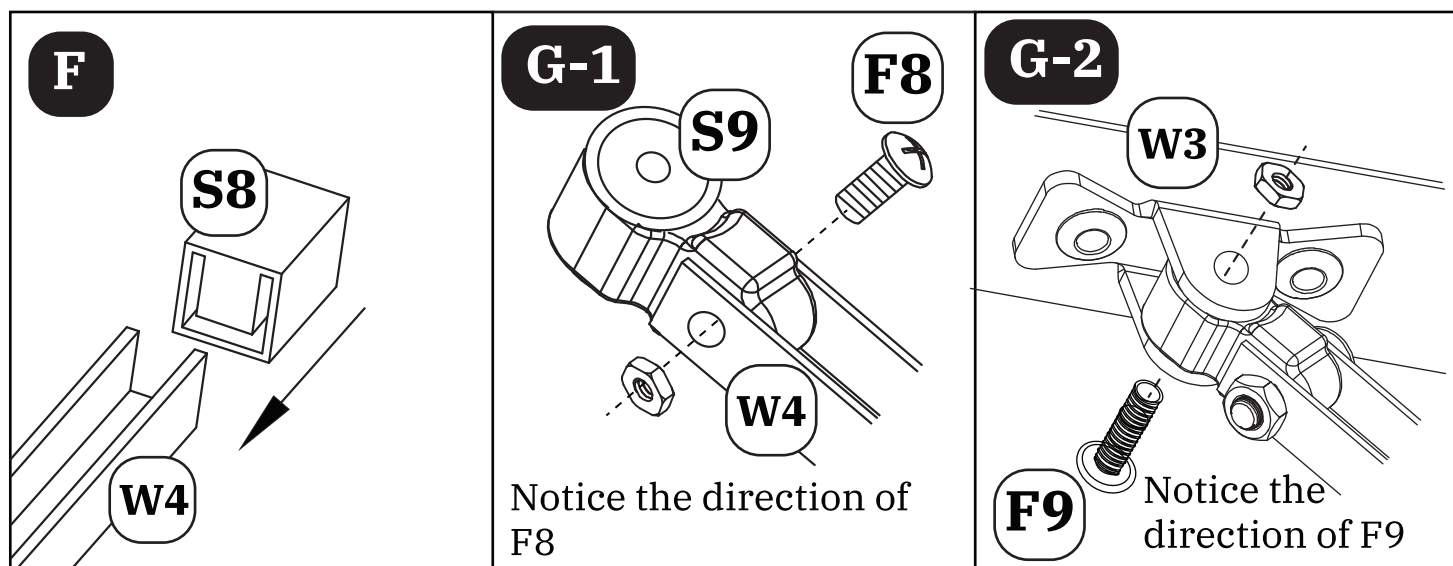
INSIDE VIEW



2. Assembling of Roof Vent Continued



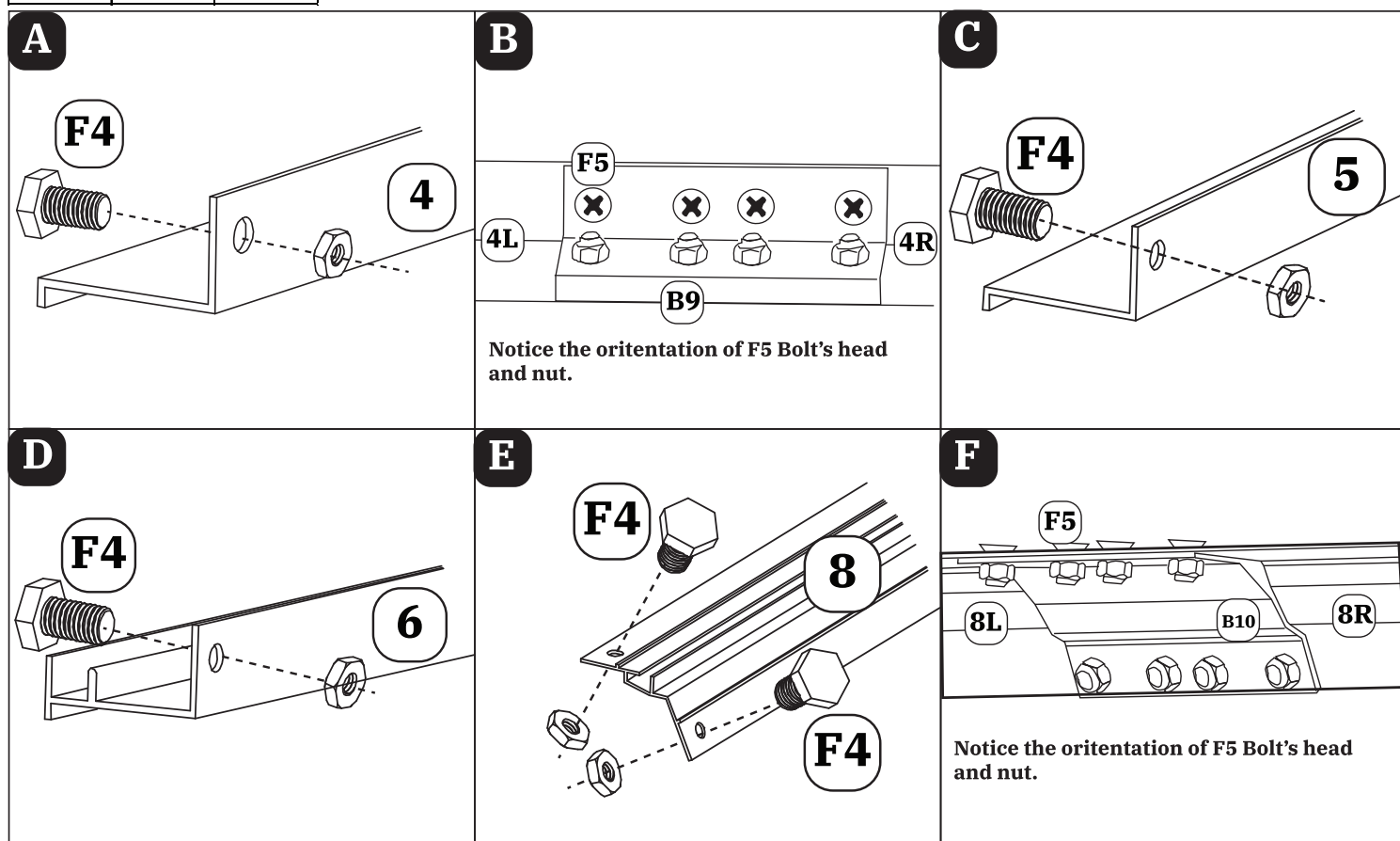
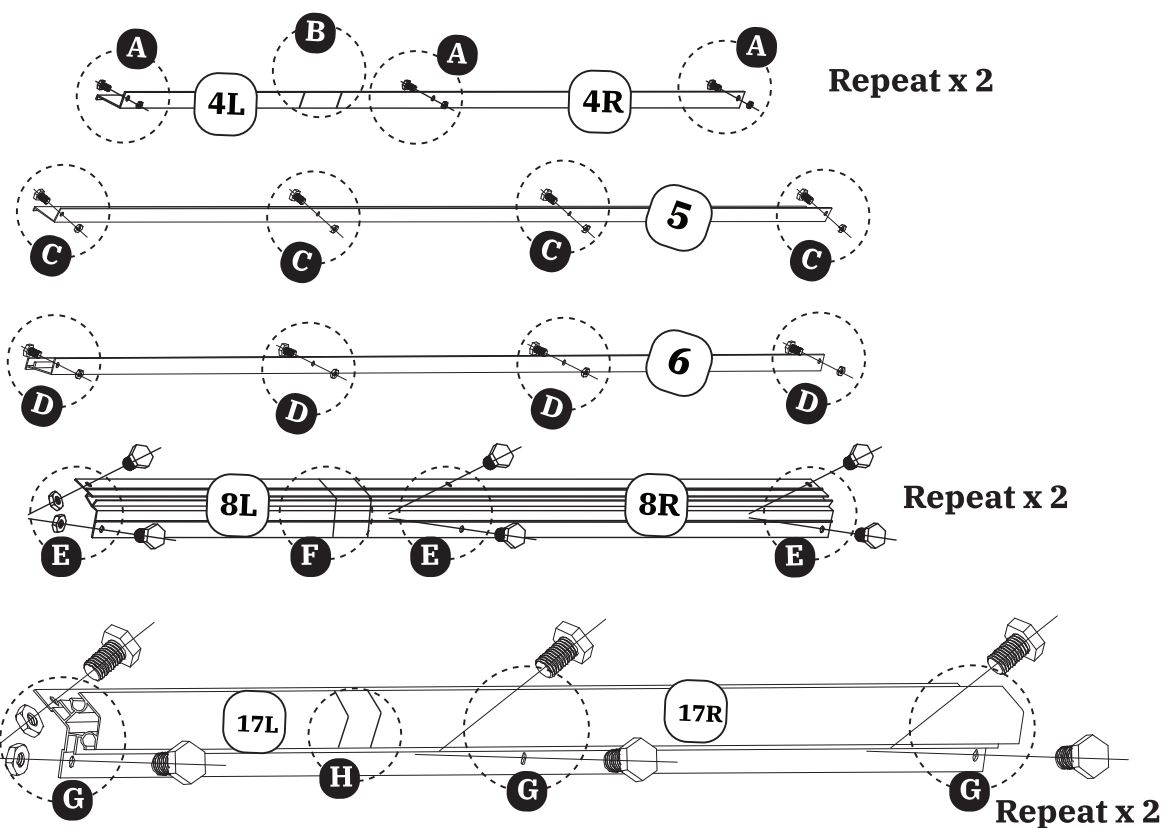
INSIDE VIEW



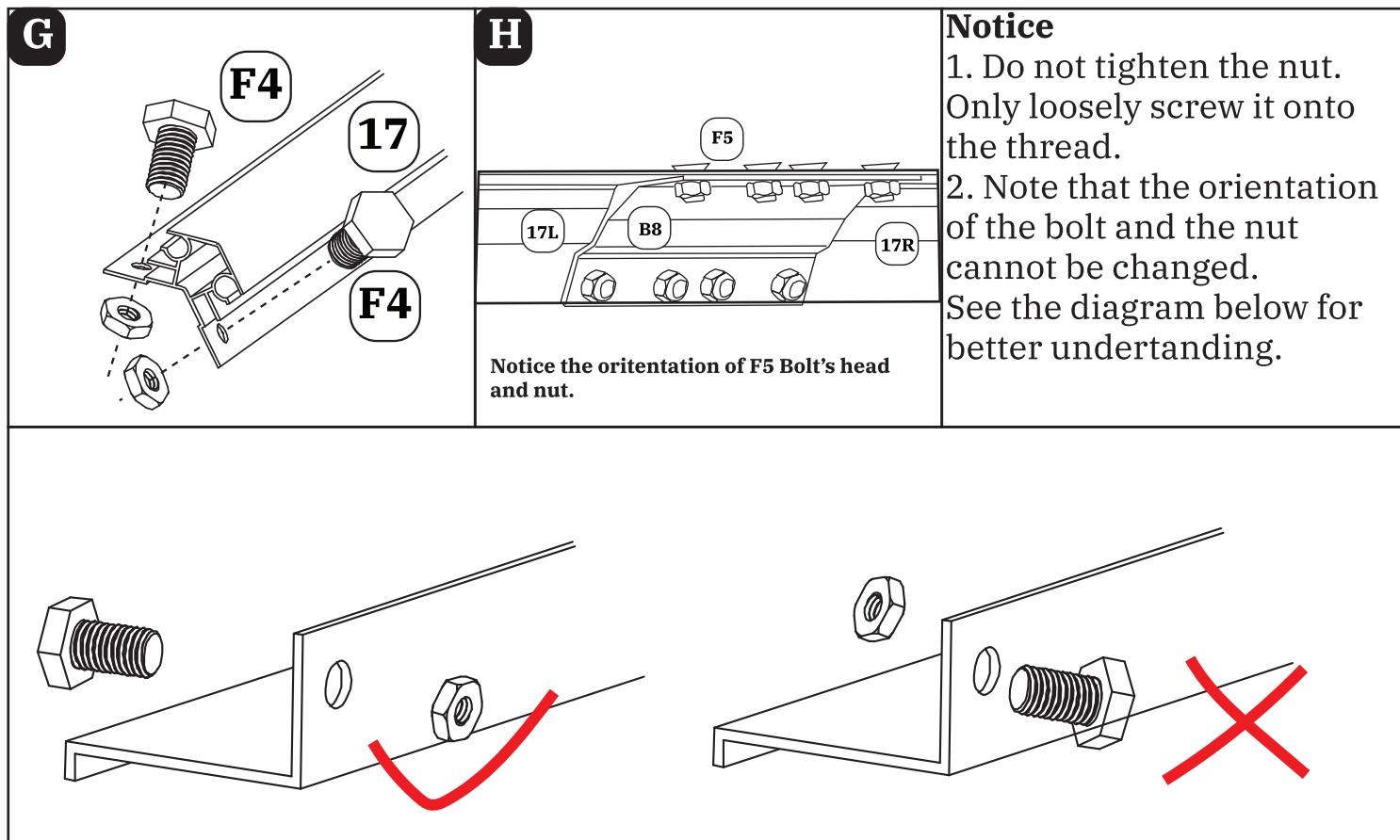
Repeat x 2 to make two roof vents

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



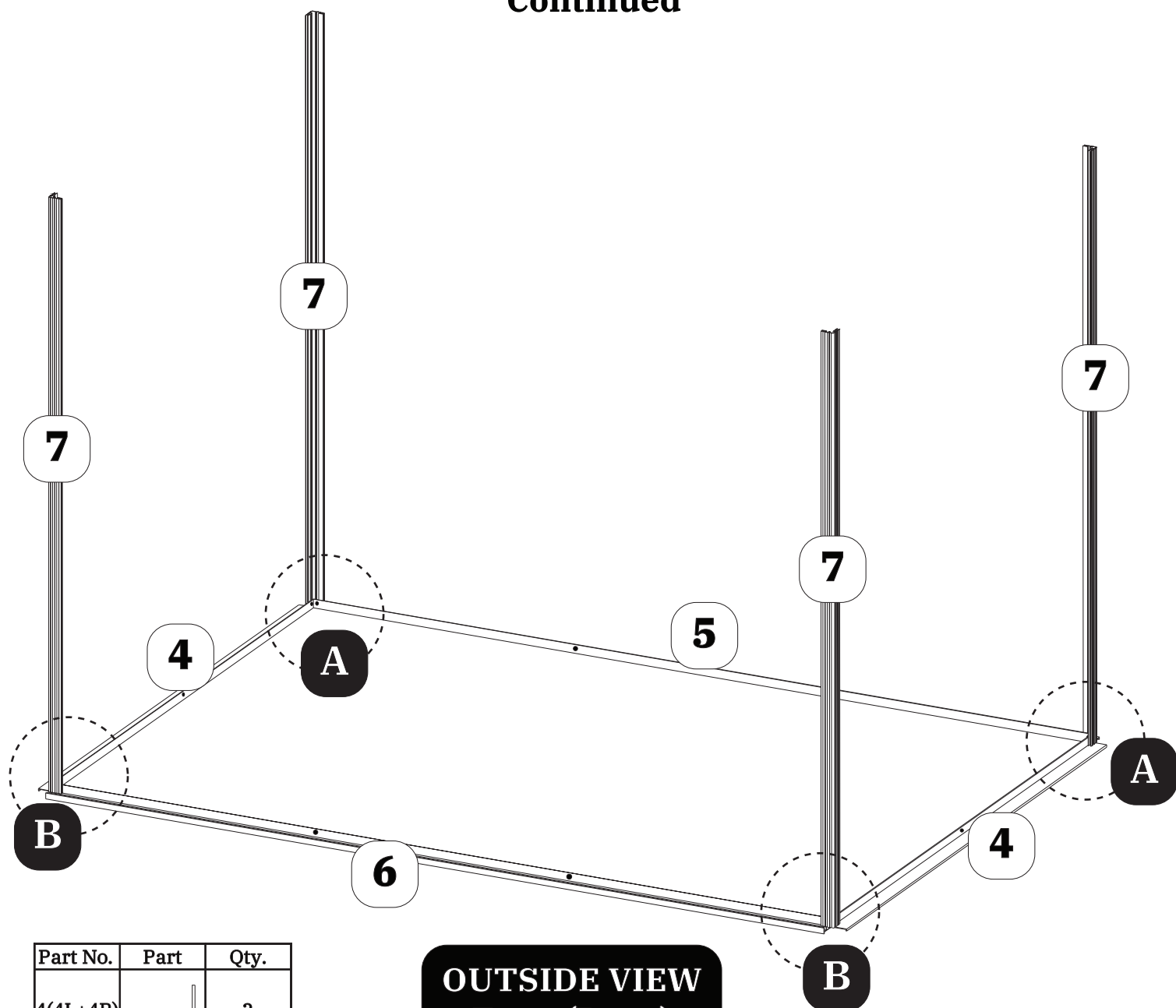
3. Assembling of Main Frame Continued



Notice

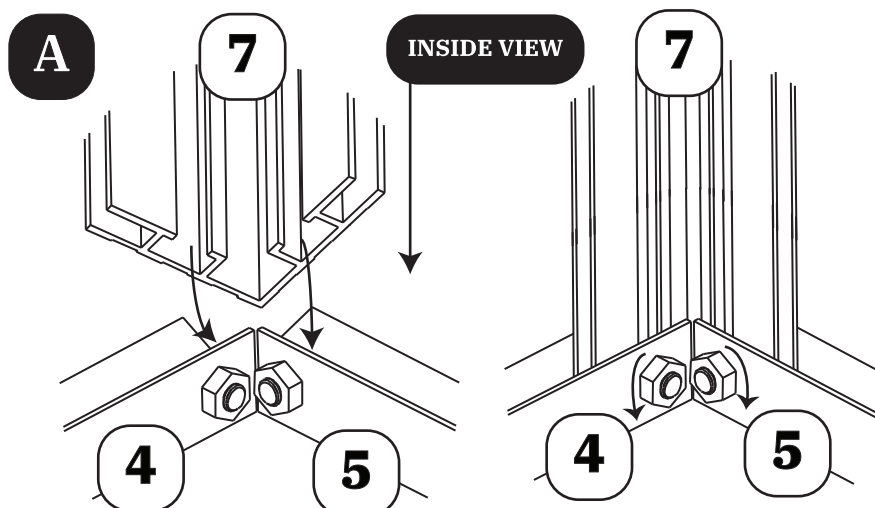
For better visibility, the front wall and backwall shown from the second part of step 3 to step 6 have been distorted and thus look wider than the side walls. In reality, the side walls are wider.

3. Assembling of Main Frame Continued



Part No.	Part	Qty.
4(4L+4R)		2
5		1
6		1
7		4
10L		1
10R		1
F4		16

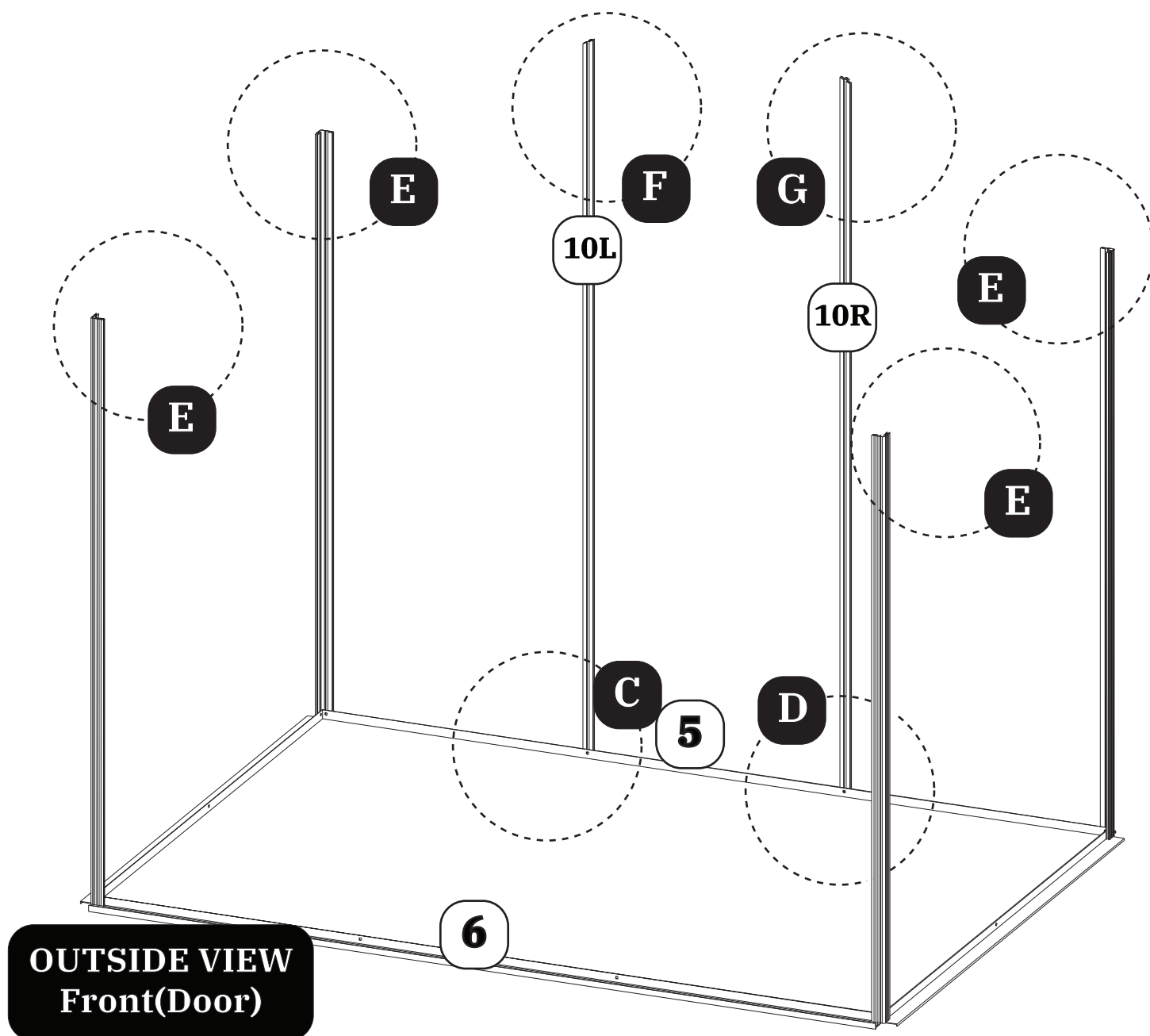
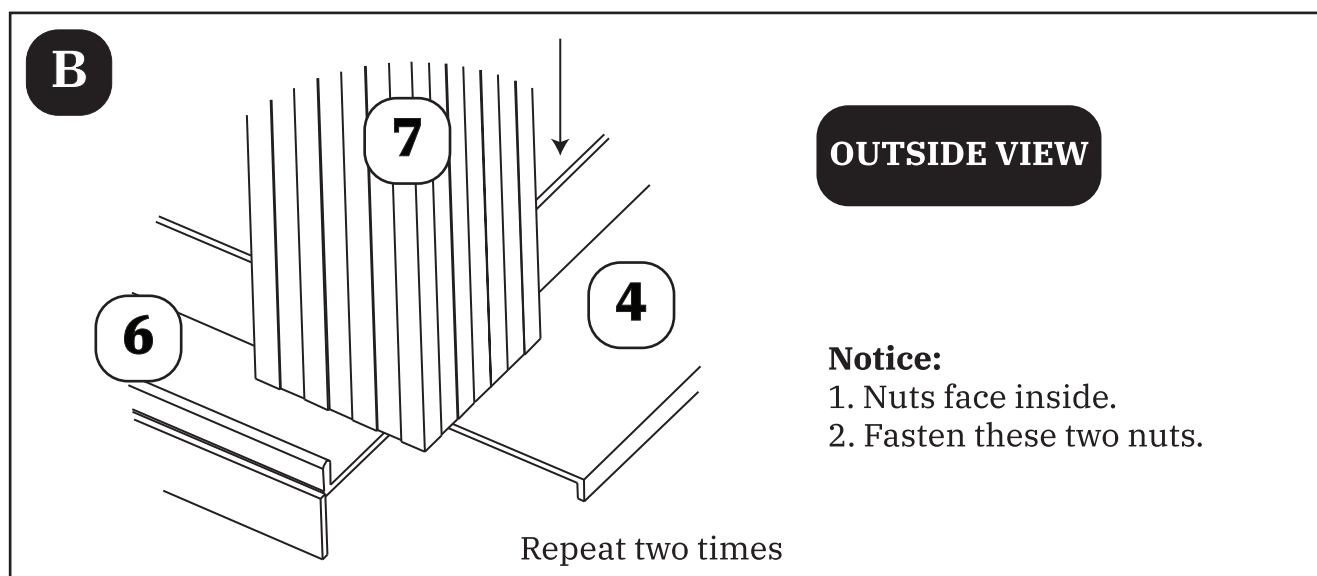
OUTSIDE VIEW Front(Door)



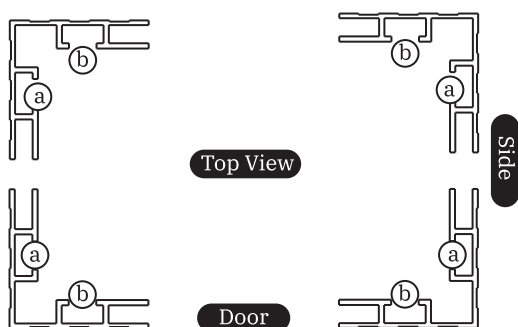
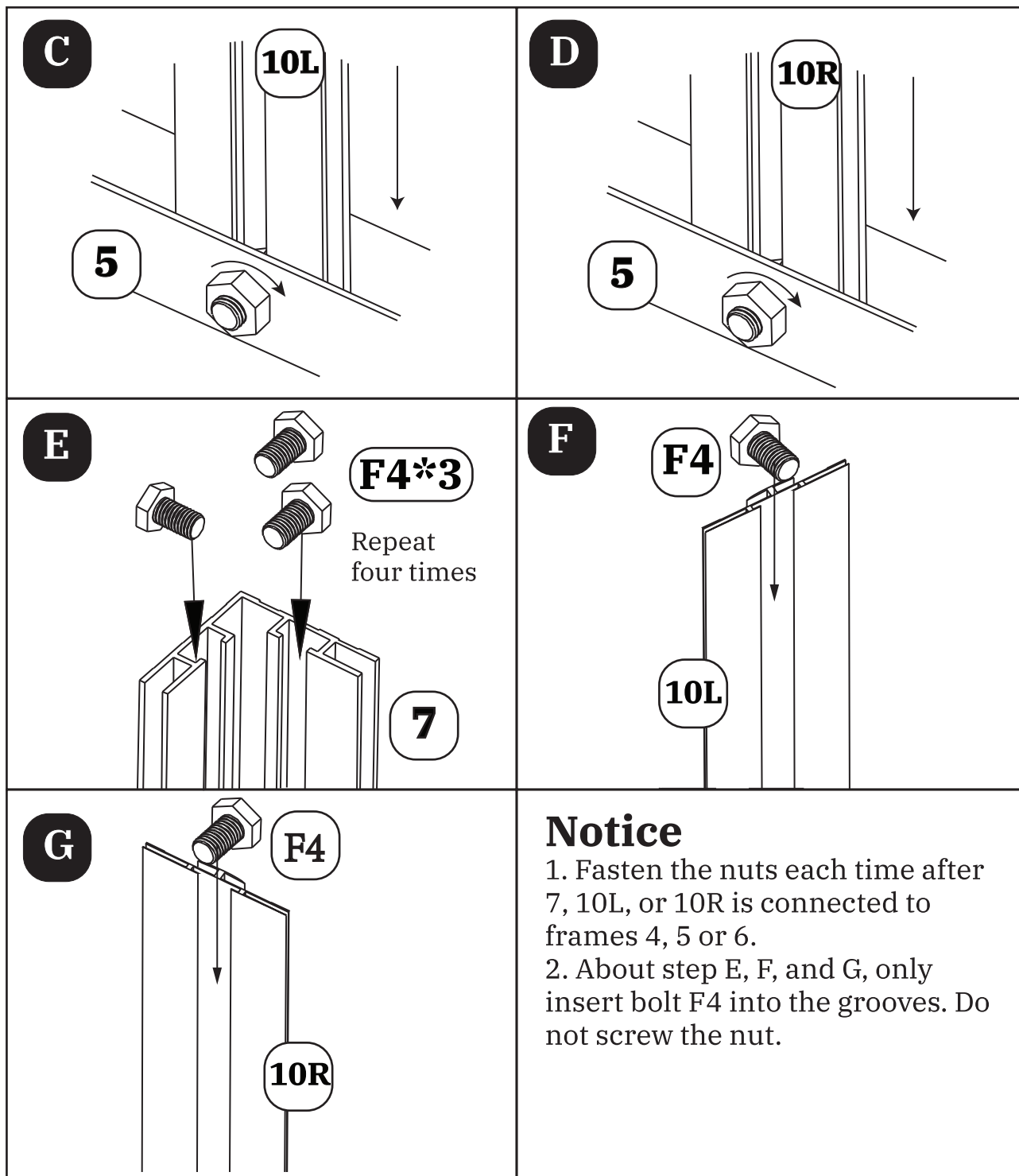
Repeat two times

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

3. Assembling of Main Frame Continued

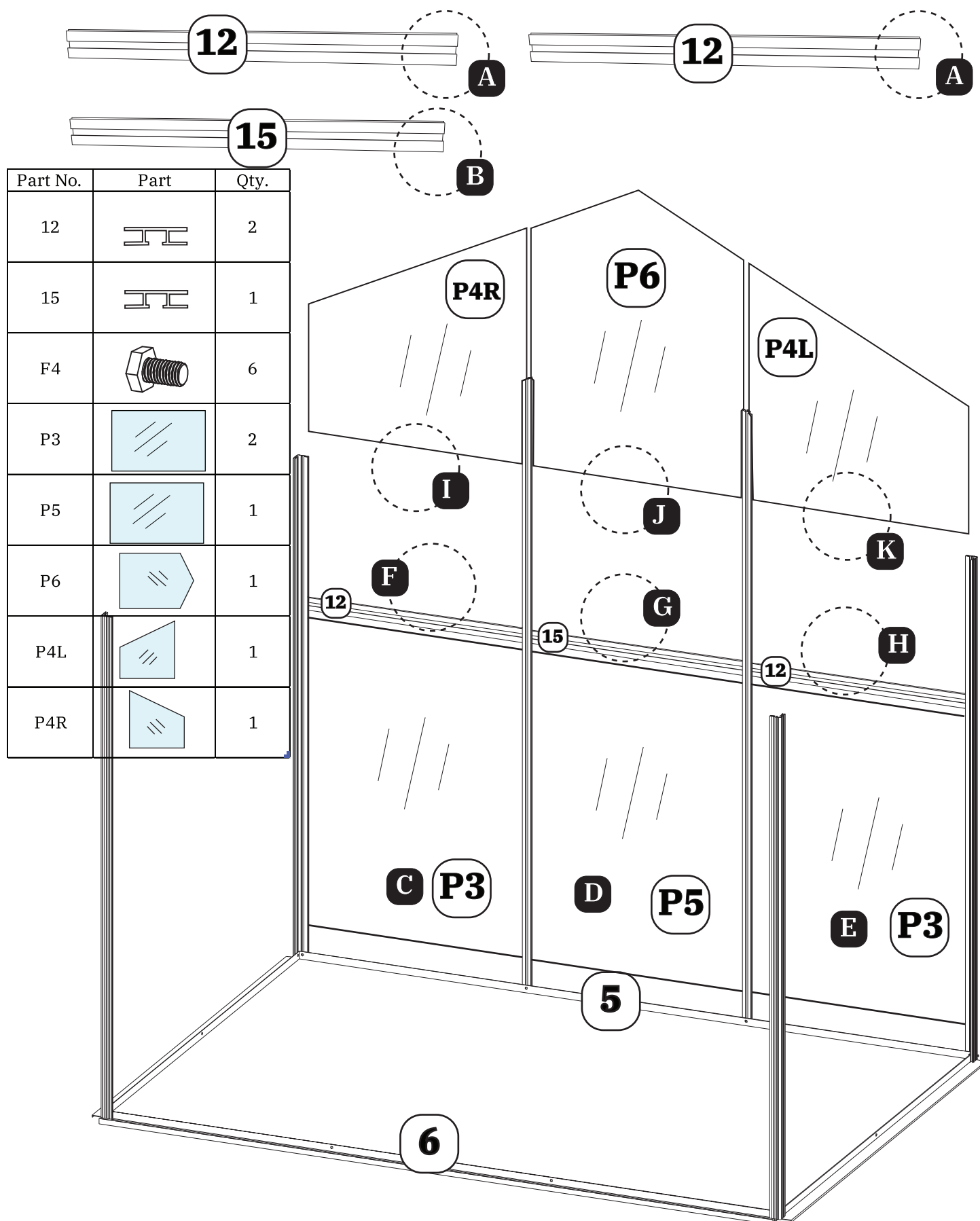


3. Assembling of Main Frame Continued

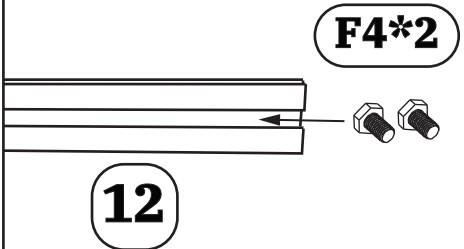
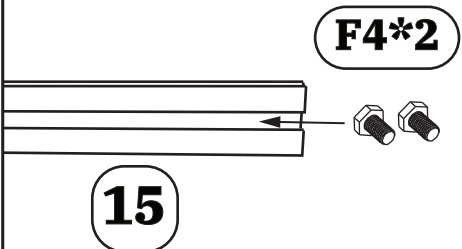
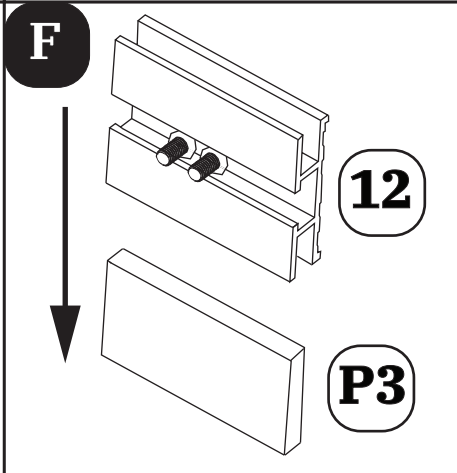
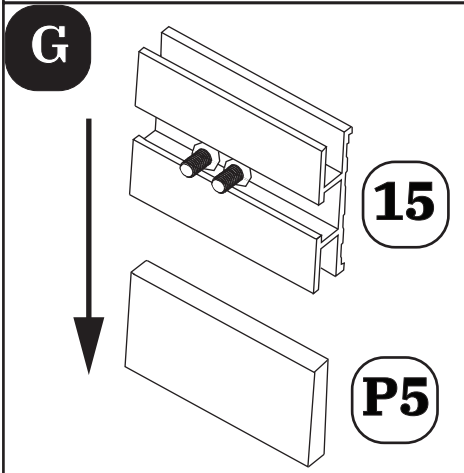
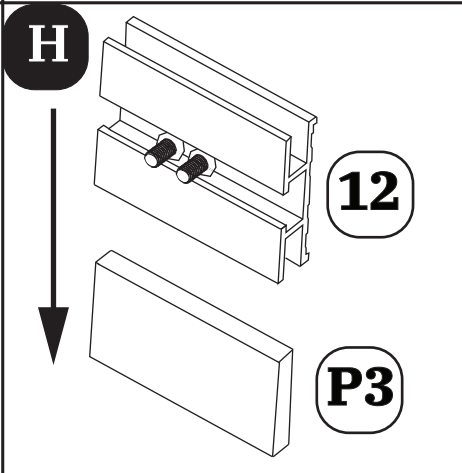


3. About step E, note that each 7 has two grooves where F4 bolts will be inserted into. The groove facing either side wall of the greenhouse is **groove a**, and the one facing either the door or the back wall is **groove b**. In step E, insert 2 Bolt F4 into each **groove b**, and one Bolt F4 into each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



4. Assembling of Backwall







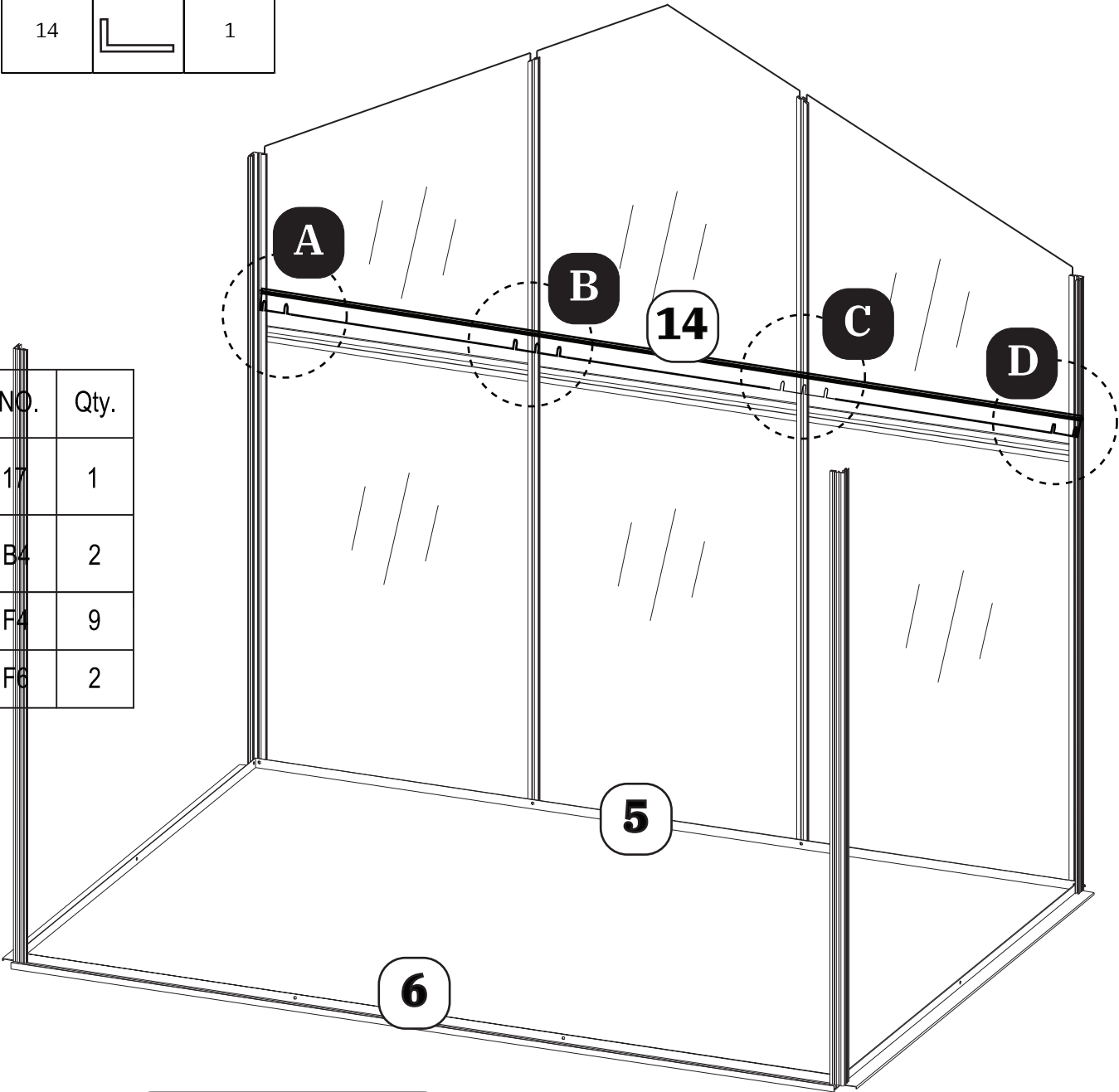
4. Assembling of Backwall Continued

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

4. Assembling of Backwall
Continued

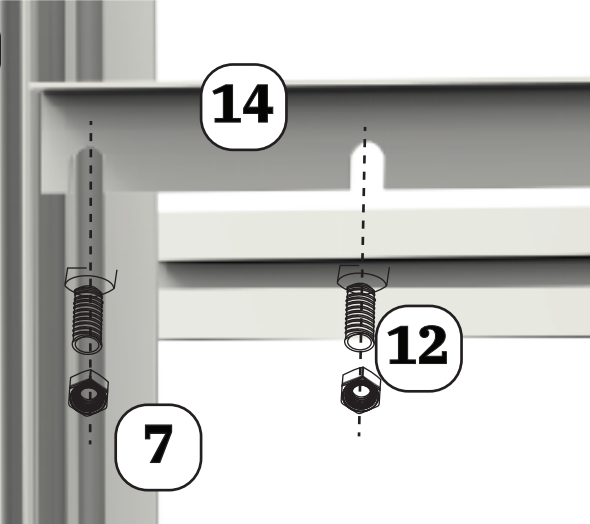
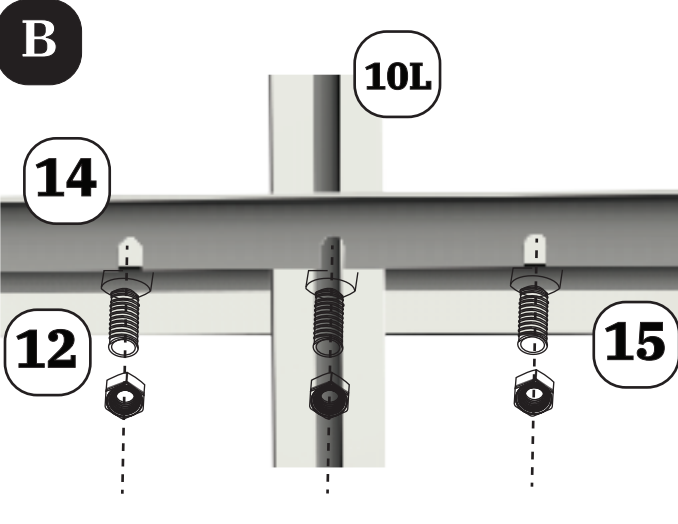
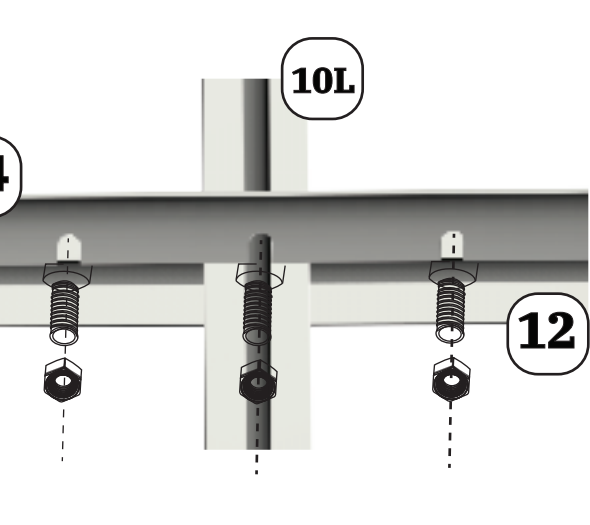
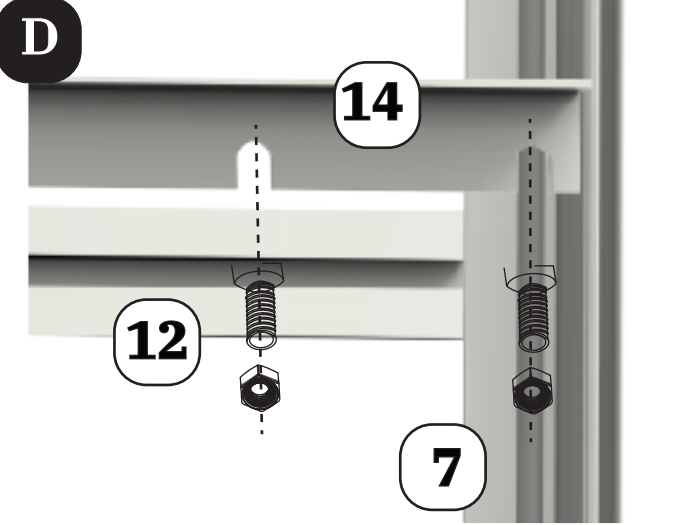
Part No.	Part	Qty.
F4		10
14		1

PART	NO.	Qty.
	17	1
	B4	2
	F4	9
	F6	2





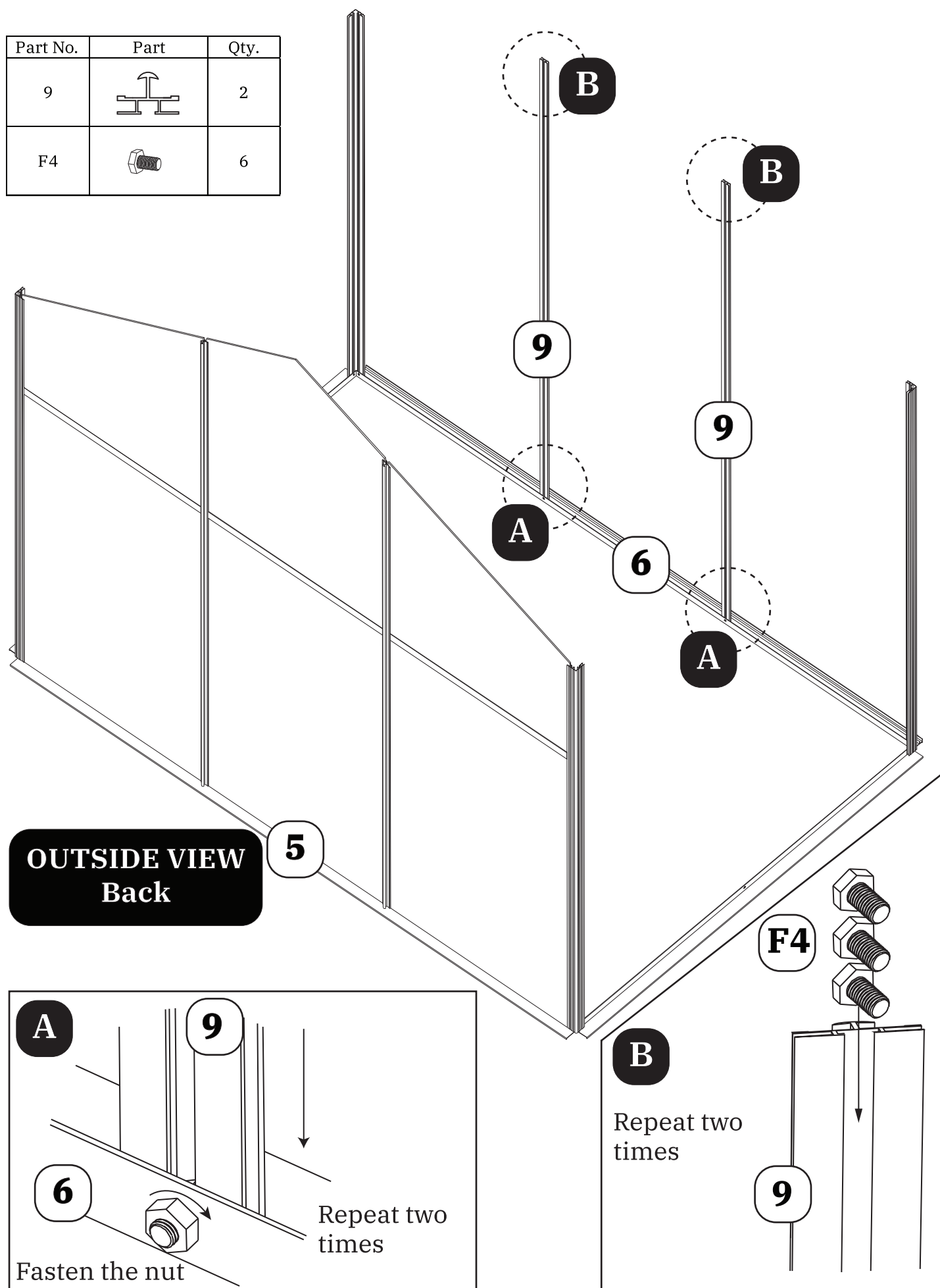
OUTSIDE VIEW
Front(Door)

4. Assembling of Backwall Continued



<p>A</p> 	<p>B</p> 
<p>C</p> 	<p>D</p> 
<p>Notice 1</p> <p>1. About Step A or D, two Bolt F4 will be used. One comes from 7 and the other from 12. Both of these two bolts were inserted into respective grooves in previous steps. You do not need new bolts here, only the nuts.</p> <p>2. Fasten the nuts.</p>	<p>Notice 2</p> <p>1. About Step B or C, three Bolt F4 will be used. One from 12, one comes from 10L/10R, and the rest from 15. All of these bolts were inserted into respective grooves in previous steps. You do not need new bolts here, only the nuts.</p> <p>2. Fasten the nuts.</p>

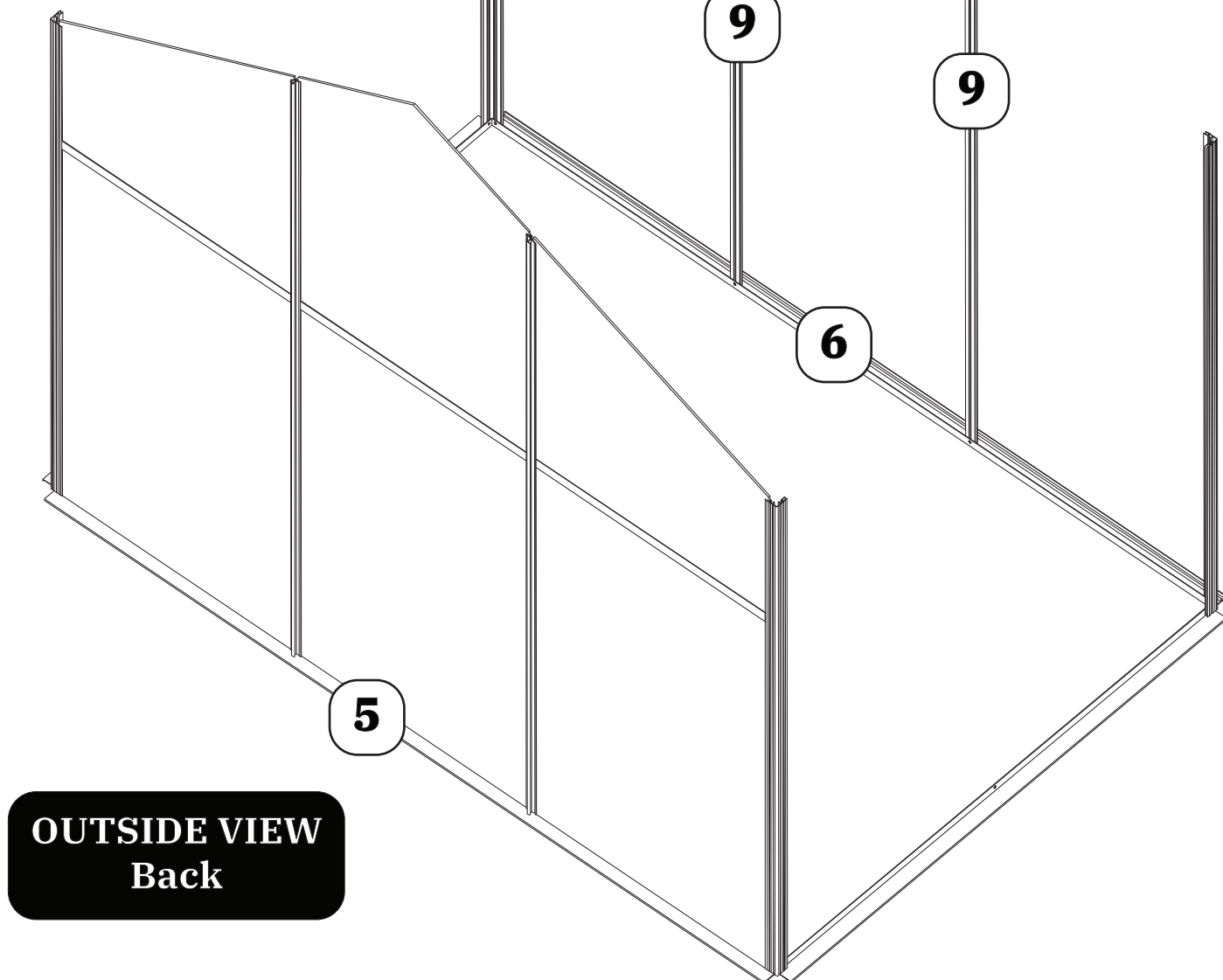
5. Assembling of Front wall

Part No.	Part	Qty.
9		2
F4		6

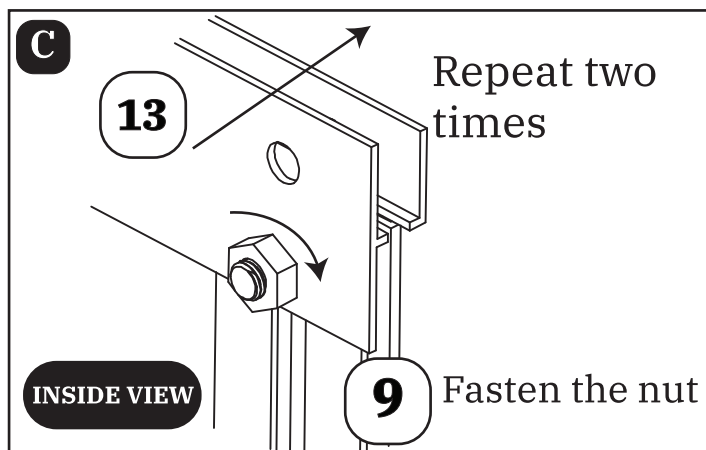


5. Assembling of Front wall Continued

Part No.	Part	Qty.
13		1
F4		2



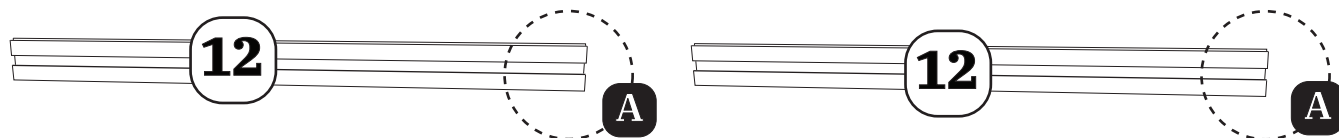
OUTSIDE VIEW
Back



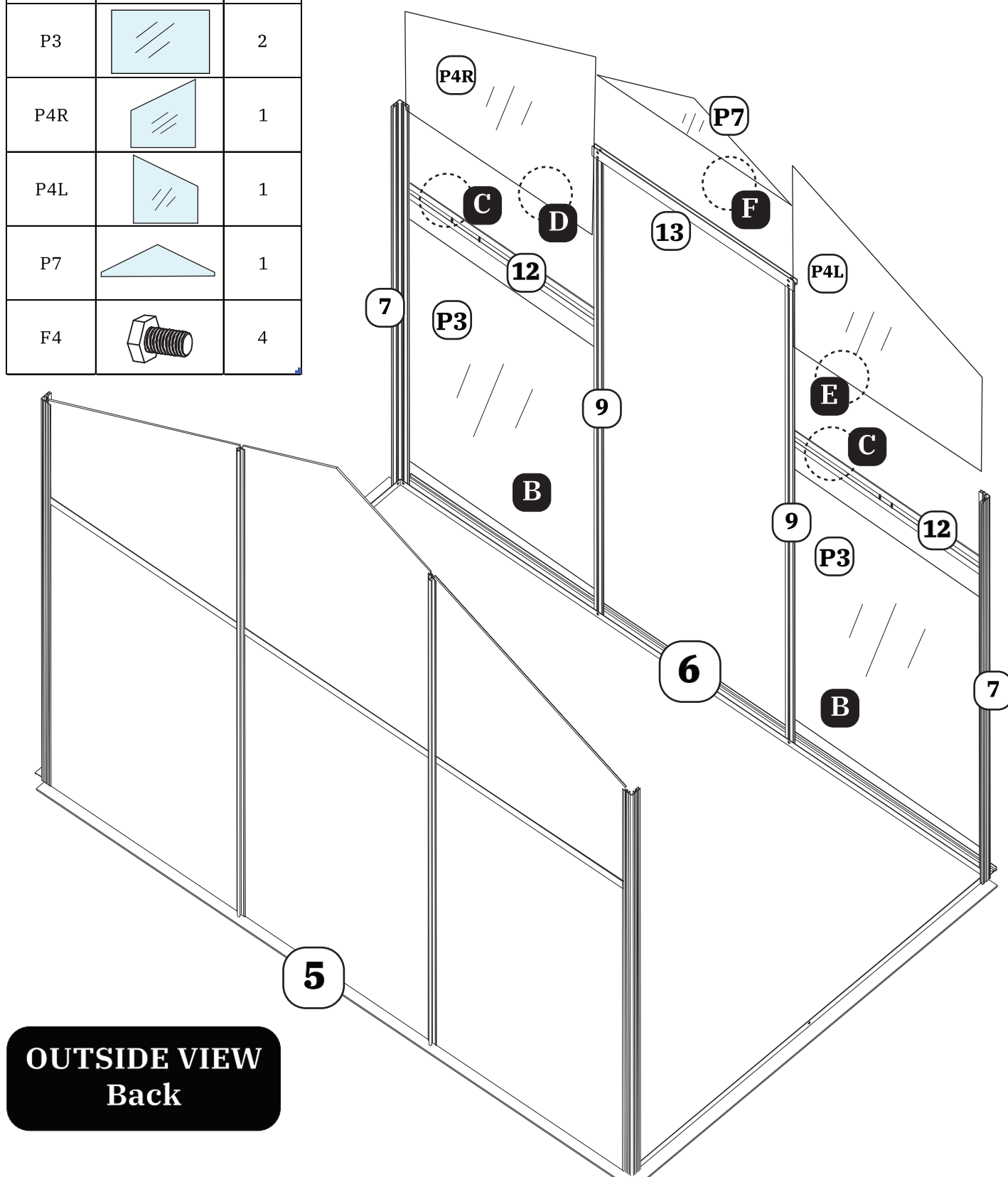
Notice

1. About Step B, only insert **Bolt F4** into the groove. Do not screw the nut.
2. About Step C, one **Bolt F4** will be used. It comes from **9** and was inserted into **9** in Step B. You do not need new bolts here, only the nuts.
3. Note the orientation of **13**.

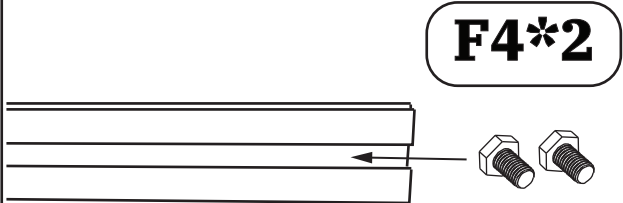
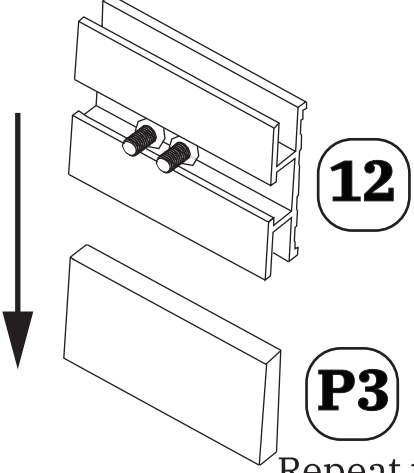
5. Assembling of Front wall Continued





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

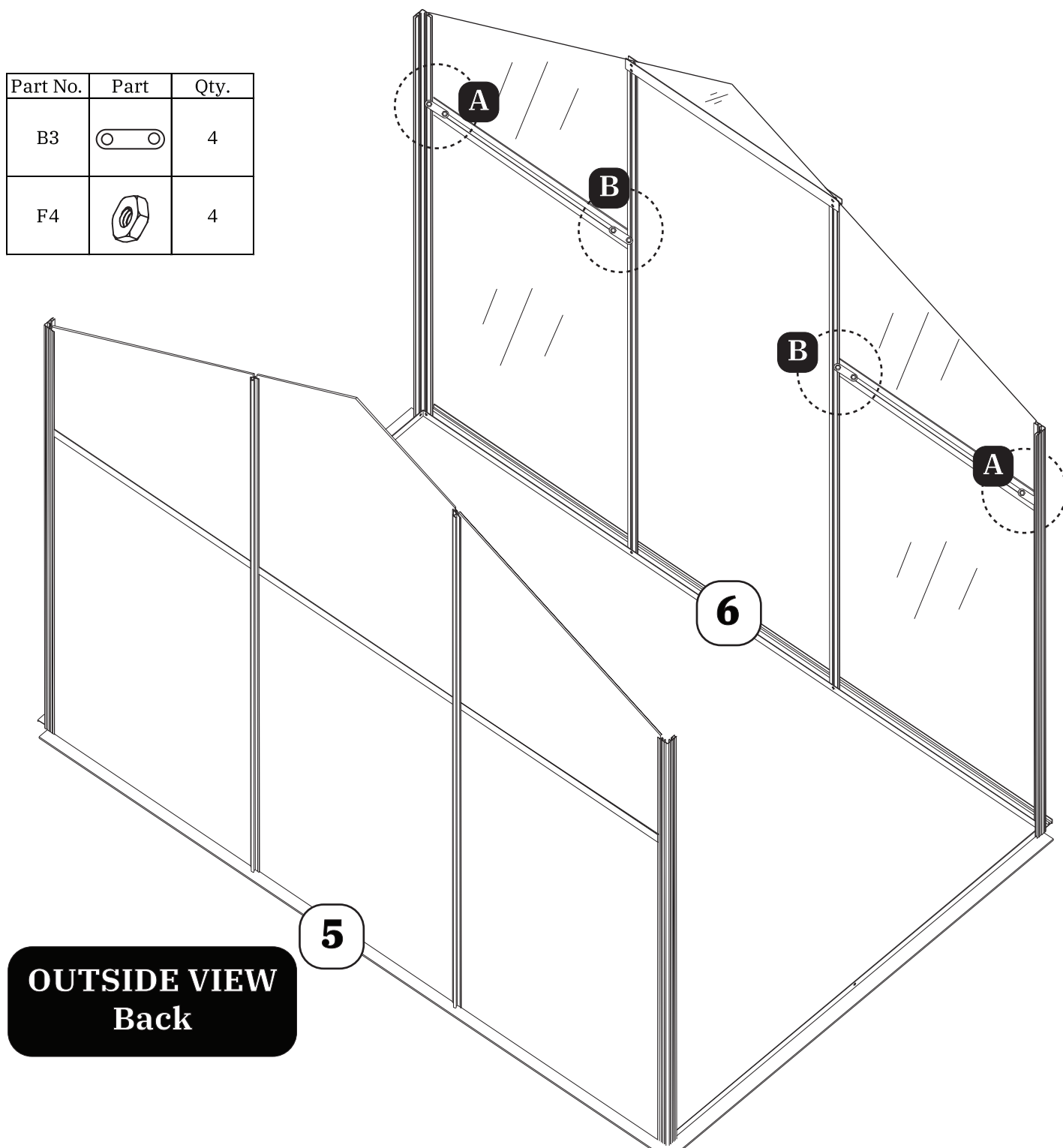


5. Assembling of Front wall Continued

<p>A</p>  <p>F4*2</p> <p>12 Only insert the bolts. Do not screw the nuts. Repeat two times</p>	<p>B</p> <p>Insert P3 into grooves of 7 and 9 till P3 rests on 6.</p> <p>Repeat two times</p>
<p>C</p>  <p>12</p> <p>P3</p> <p>Repeat two times</p>	<p>D</p> <p>Insert P4R into grooves of 7 and 9, till P4R goes into the top groove of 12.</p>
<p>E</p> <p>Insert P4L into grooves of 7 and 9, till P4L goes into the top groove of 12.</p>	<p>F</p> <p>Insert P7 into the top groove of 13.</p> <p>Have a person or a chair to buttress the front wall.</p>

5. Assembling of Front wall Continued

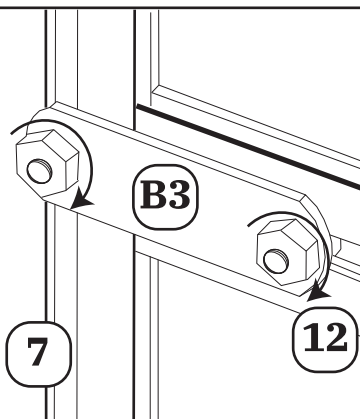
Part No.	Part	Qty.
B3		4
F4		4



OUTSIDE VIEW
Back

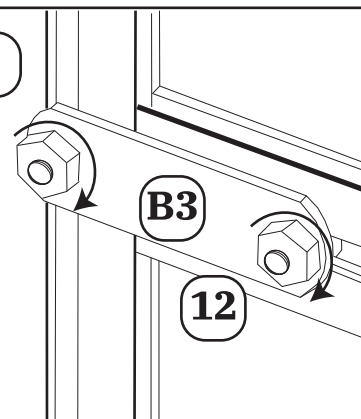
A

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





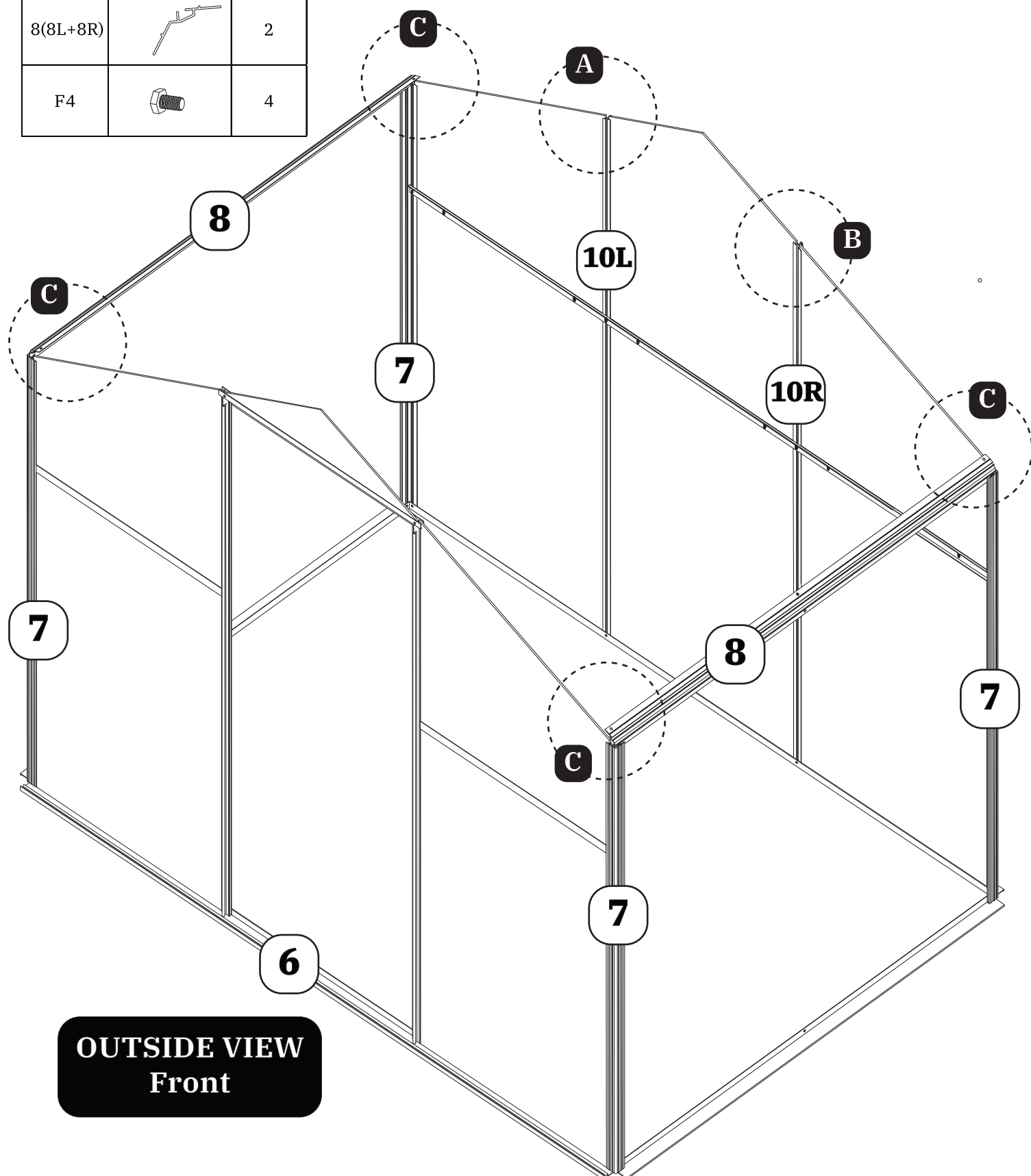
B

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

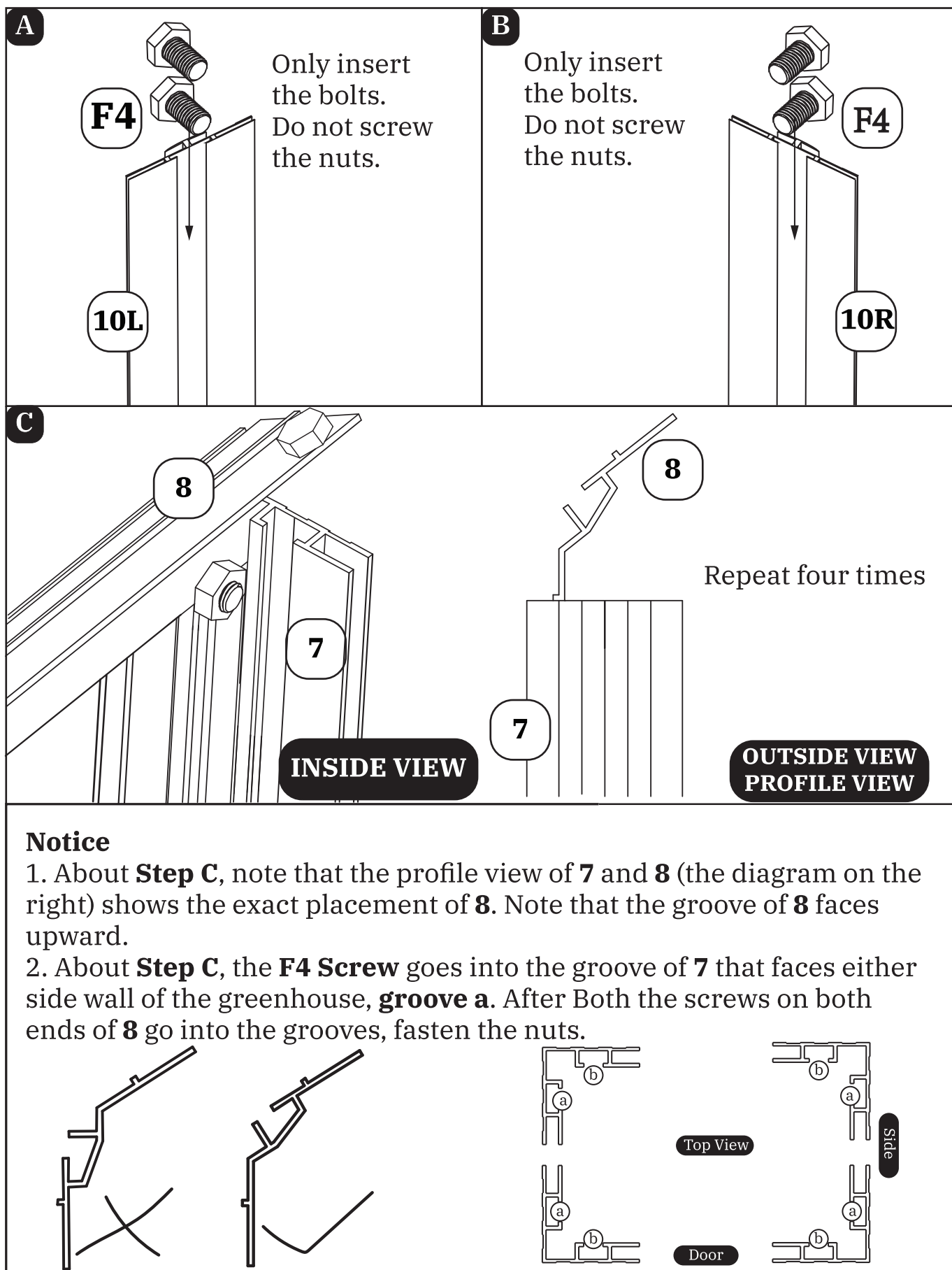


6. Assembling of Roof Frames


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

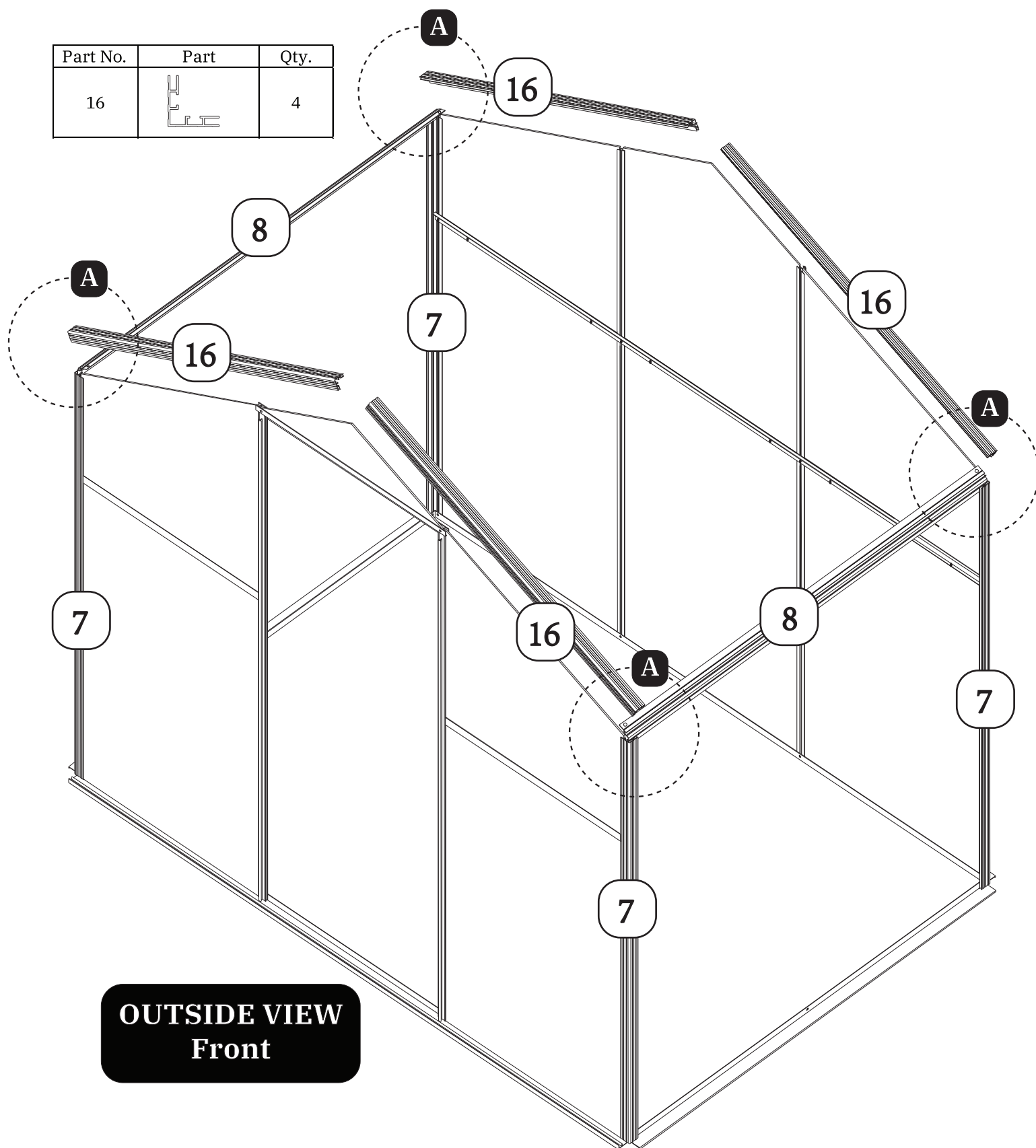


6. Assembling of Roof Frames Continued

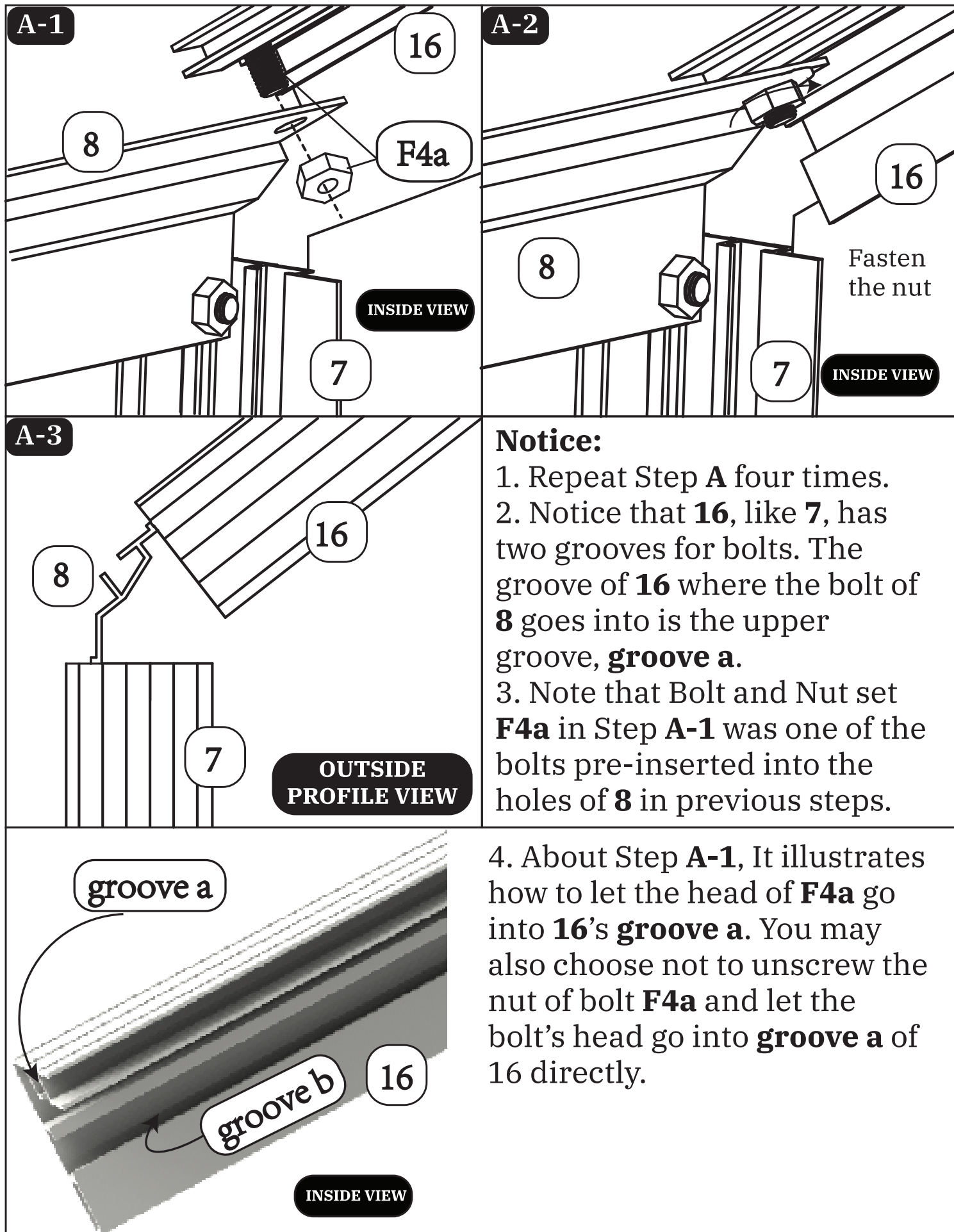


6. Assembling of Roof Frames Continued


Part No.	Part	Qty.
16		4

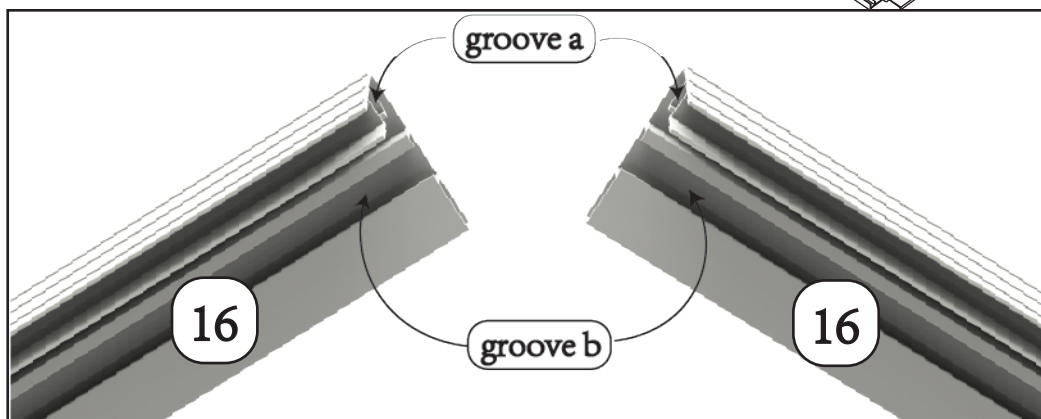
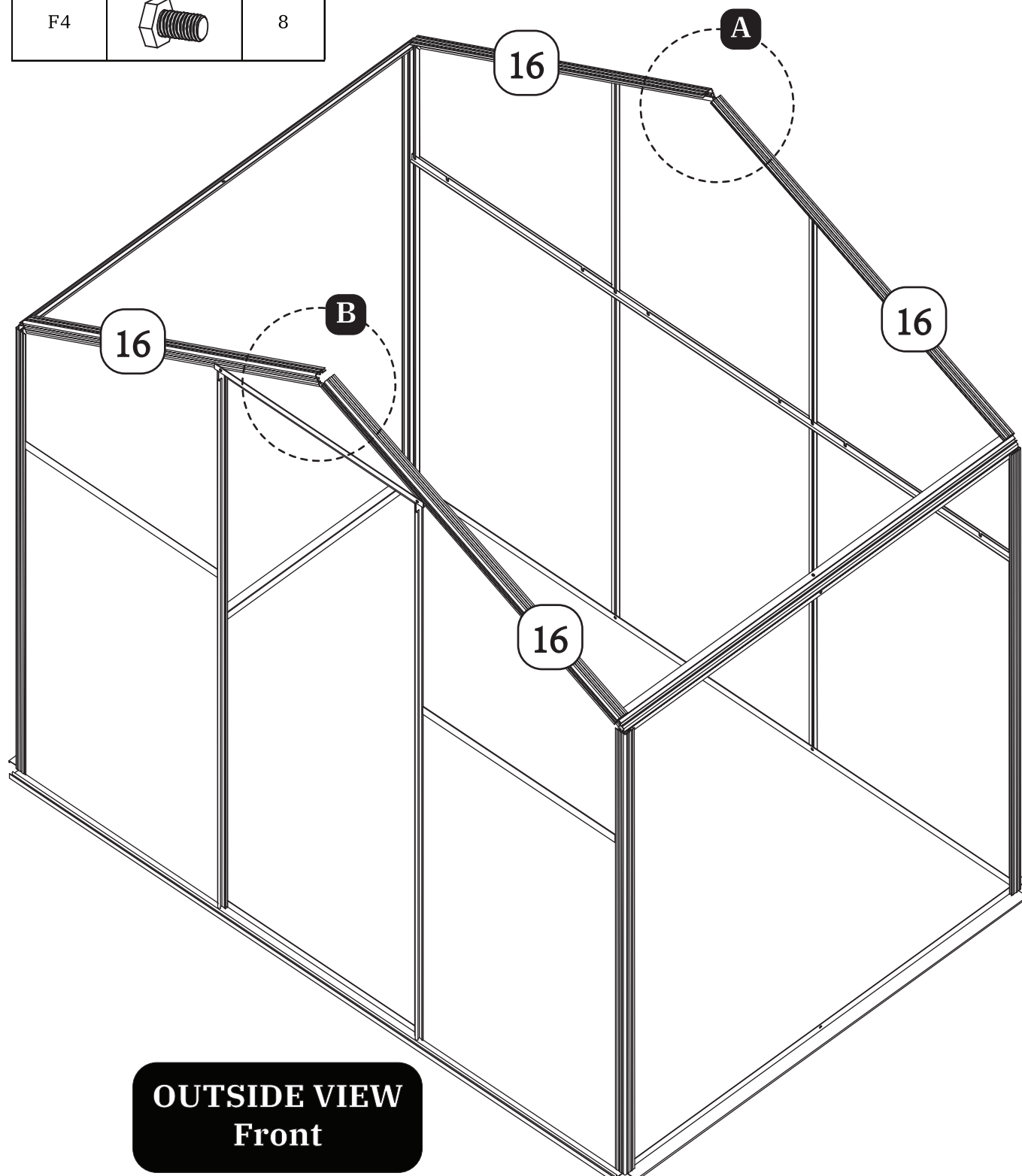


6. Assembling of Roof Frames Continued



6. Assembling of Roof Frames Continued

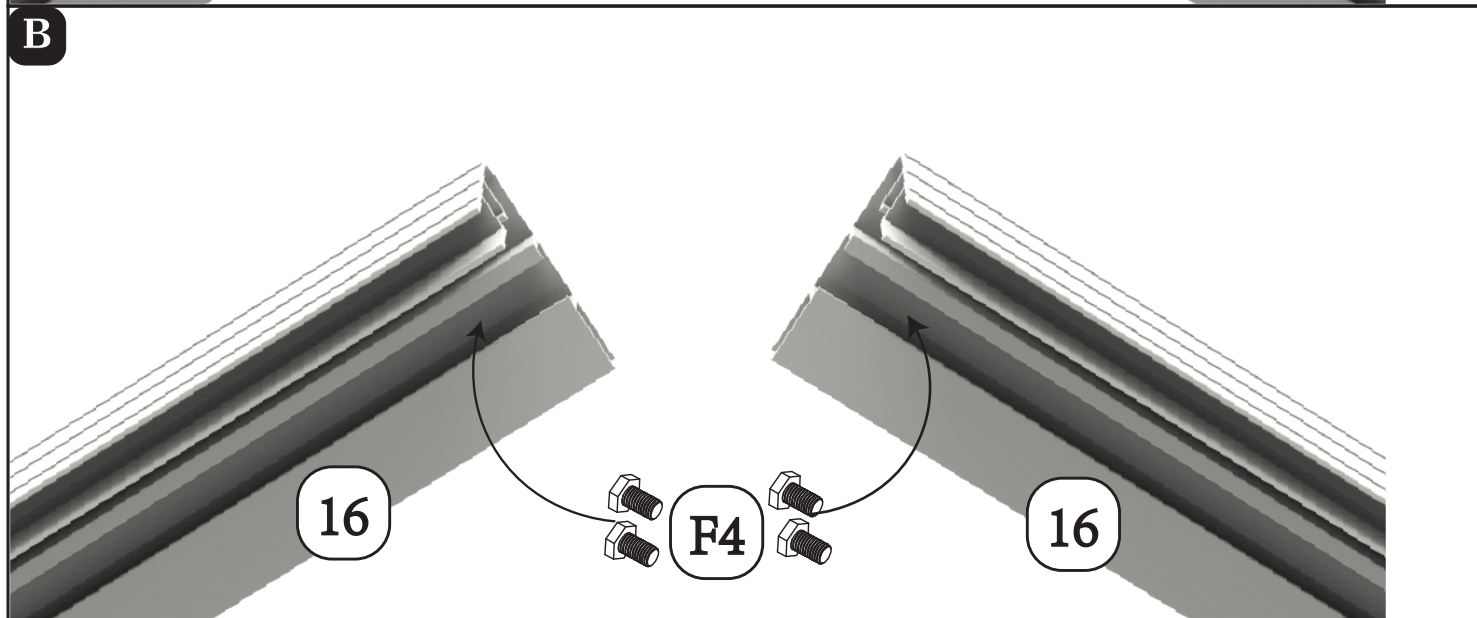
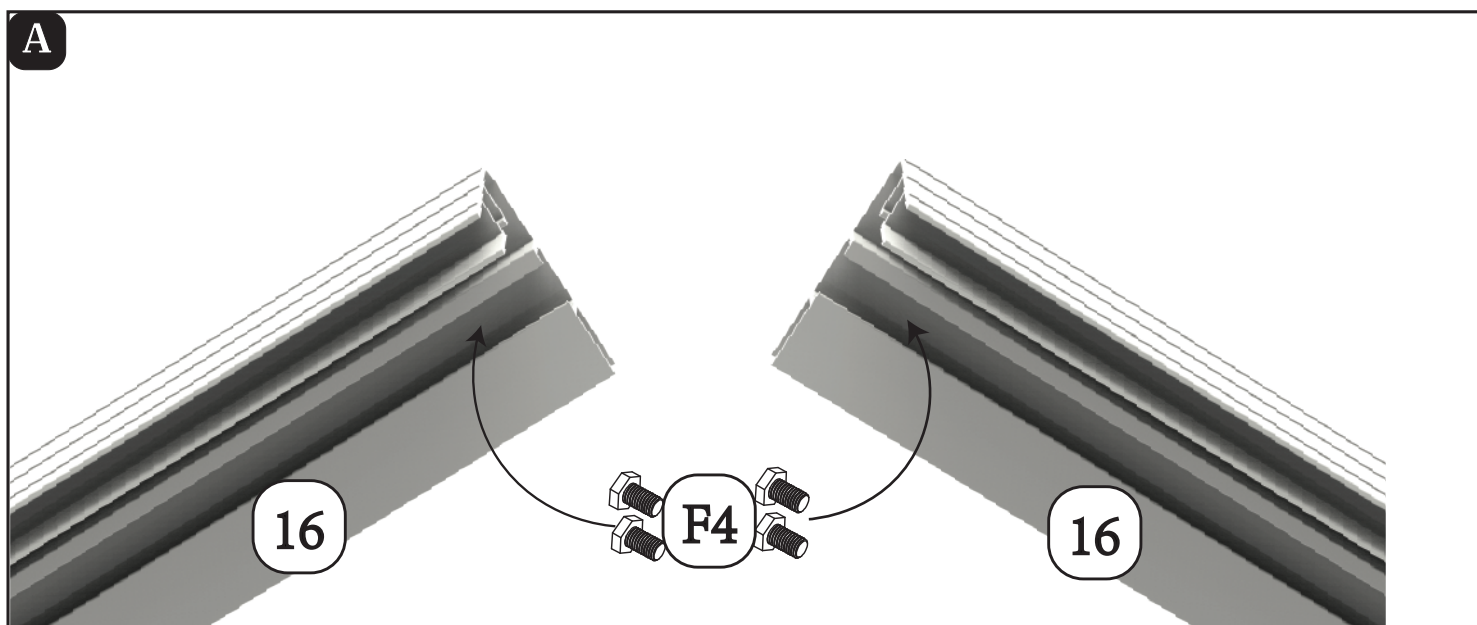
Part No.	Part	Qty.
F4		8



Notice

Note that **16** has two grooves, **groove a** on the upper side, and **groove b** on the lower side.





6. Assembling of Roof Frames Continued

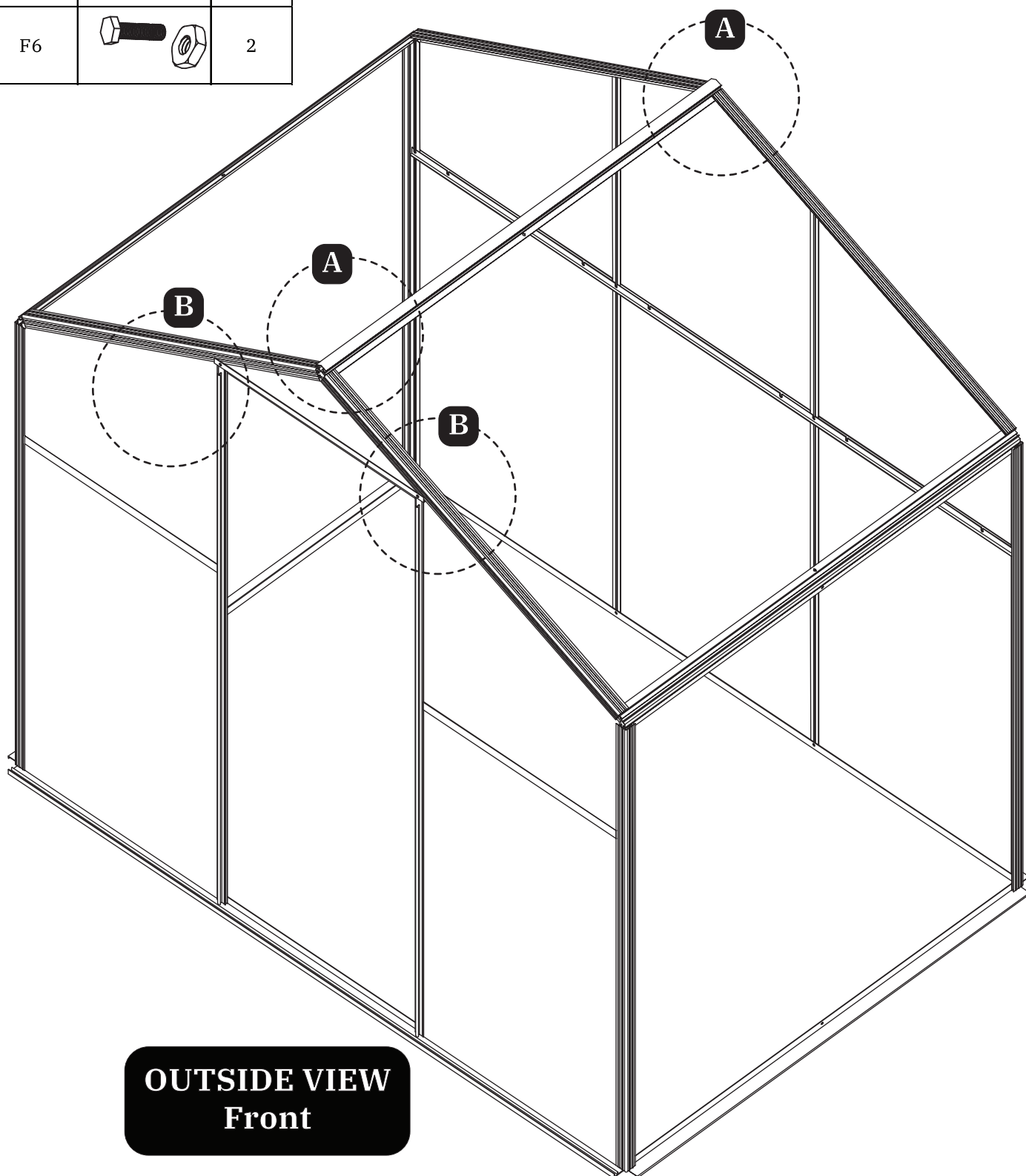


Notice

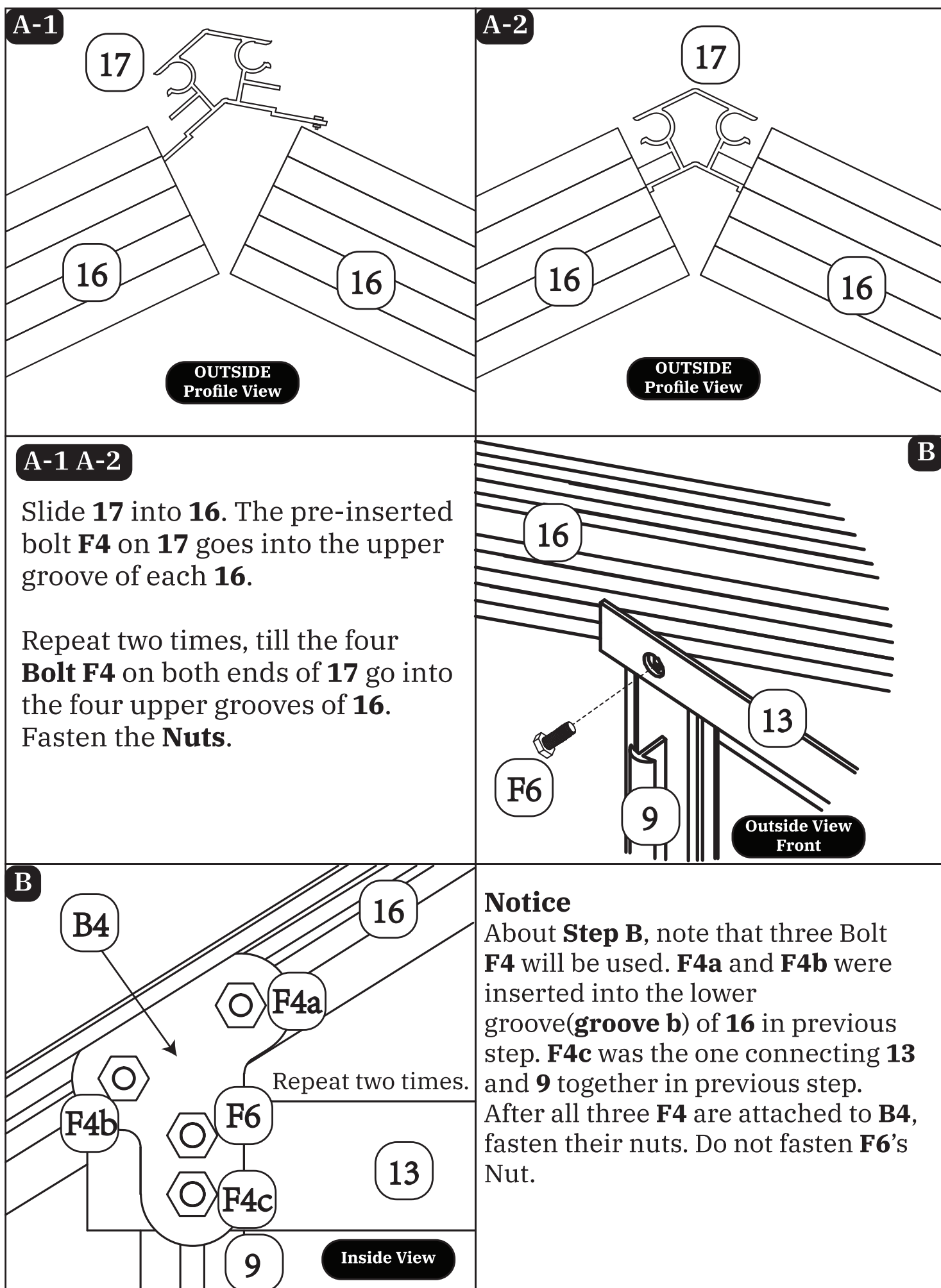
1. Only insert the bolt. Do not screw the nut.

7. Securing of Frames

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

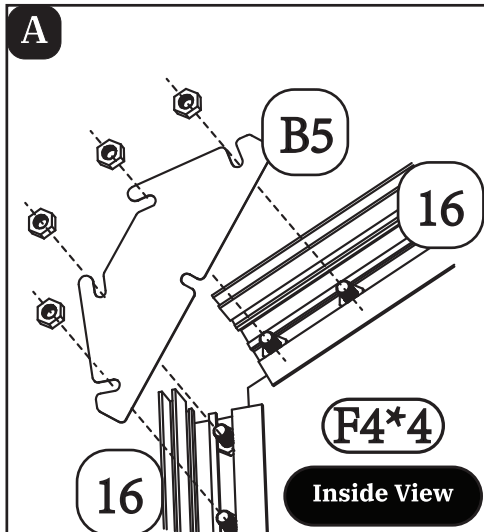
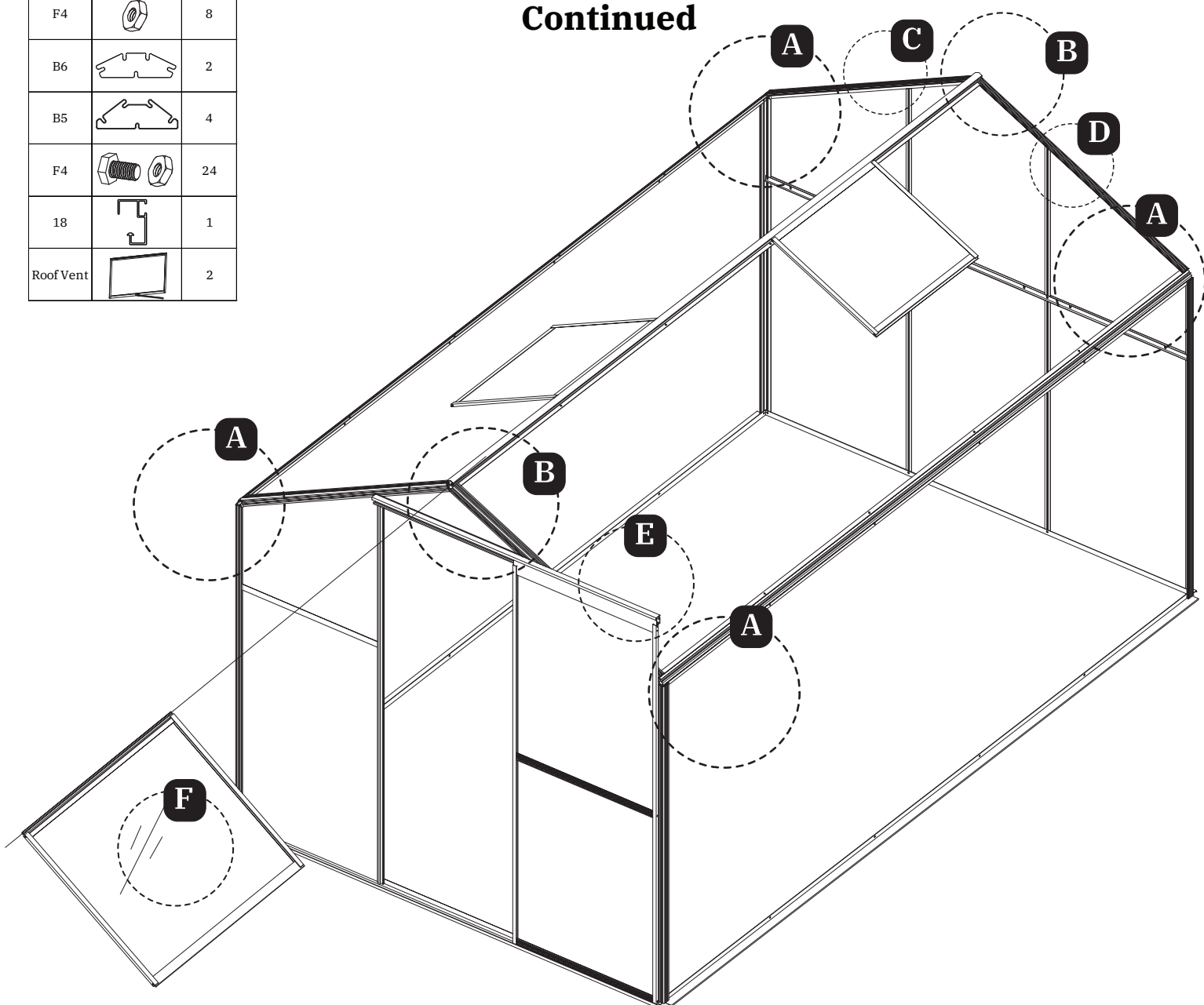


7. Securing of Frames Continued



7. Securing of Frames Continued

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

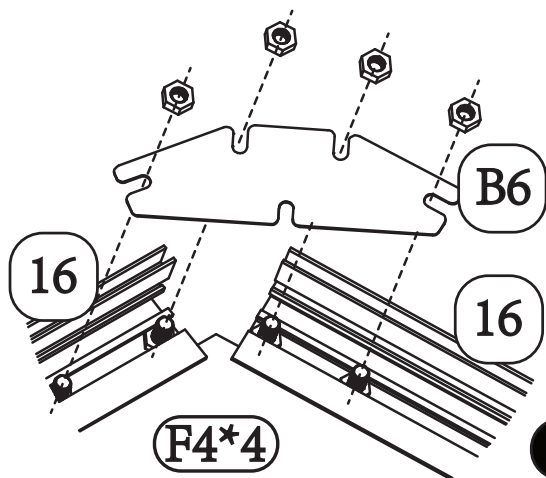


Notice

1. Four **Bolt F4** will be used in **step A**. They are inserted into the lower groove of **16** in this very step.
2. Note how **B5** and the bolts are connected.
3. Fasten the nuts
4. Repeat four times.

8 is rendered invisible in this diagram for better visibility..

7. Securing of Frames Continued

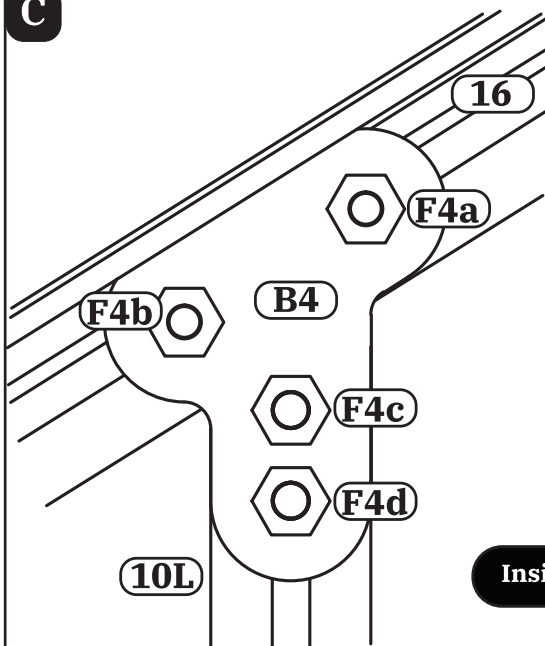
B

Inside View

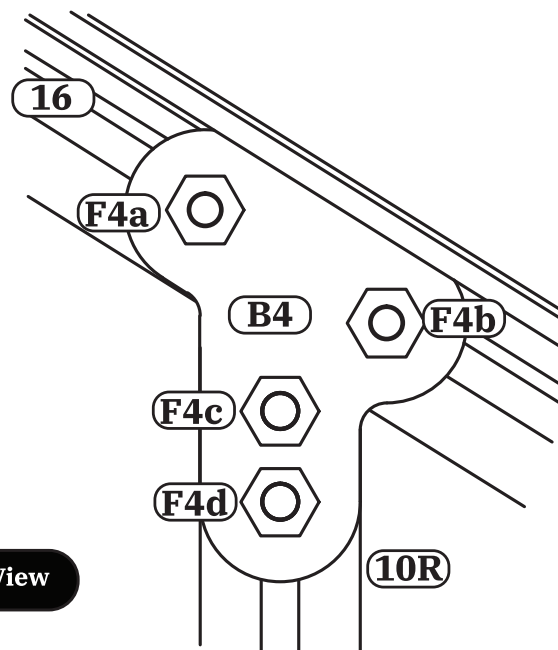
Notice

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

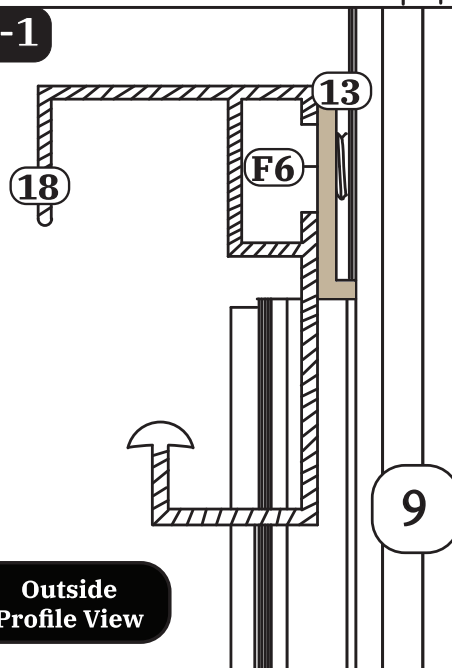
Inside View

D

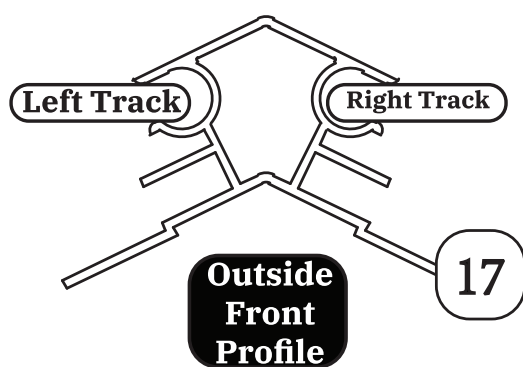
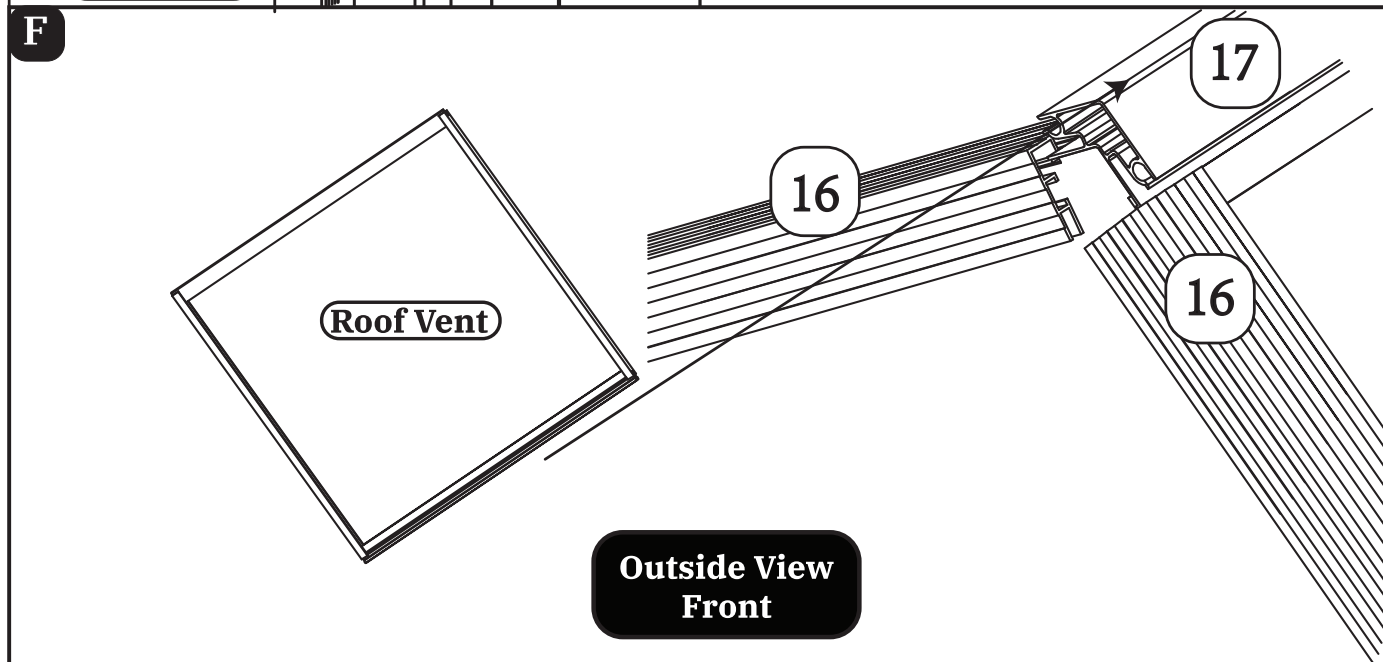
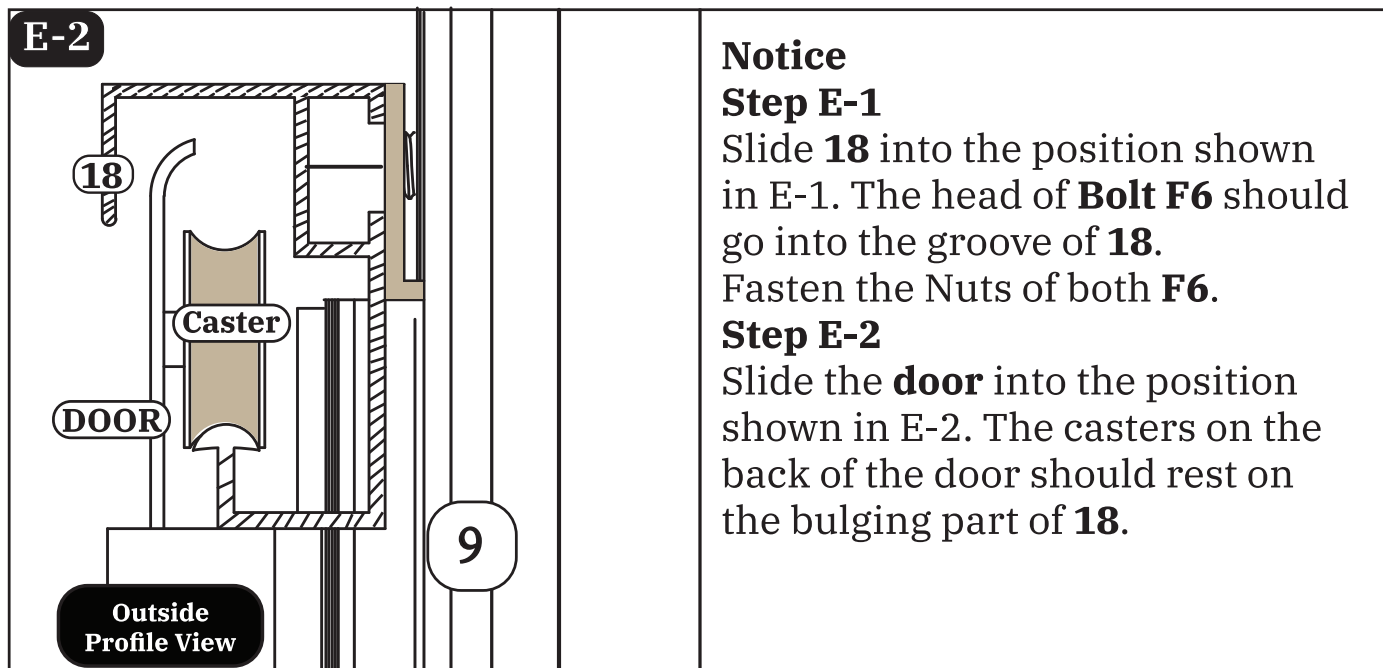
Inside View

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**.

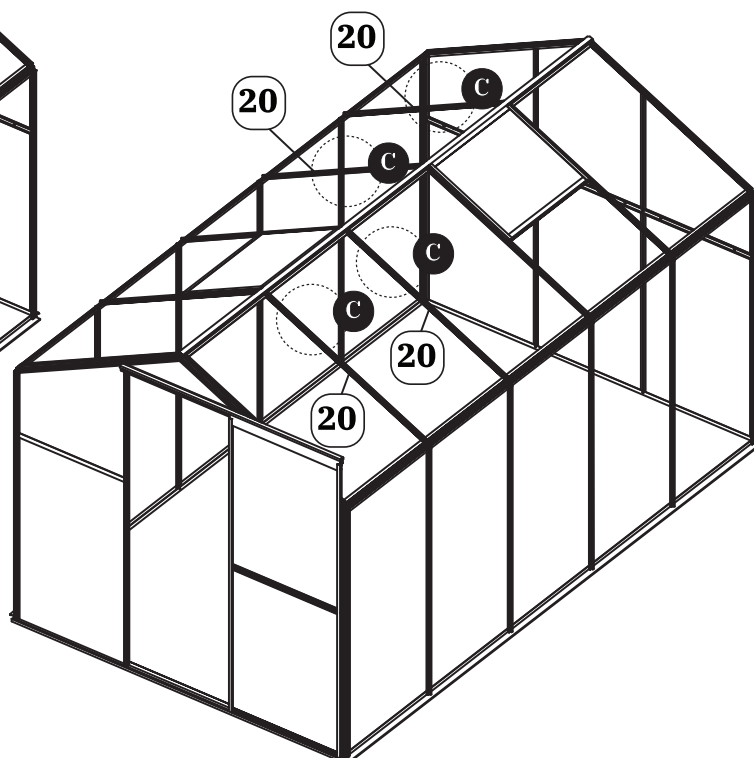
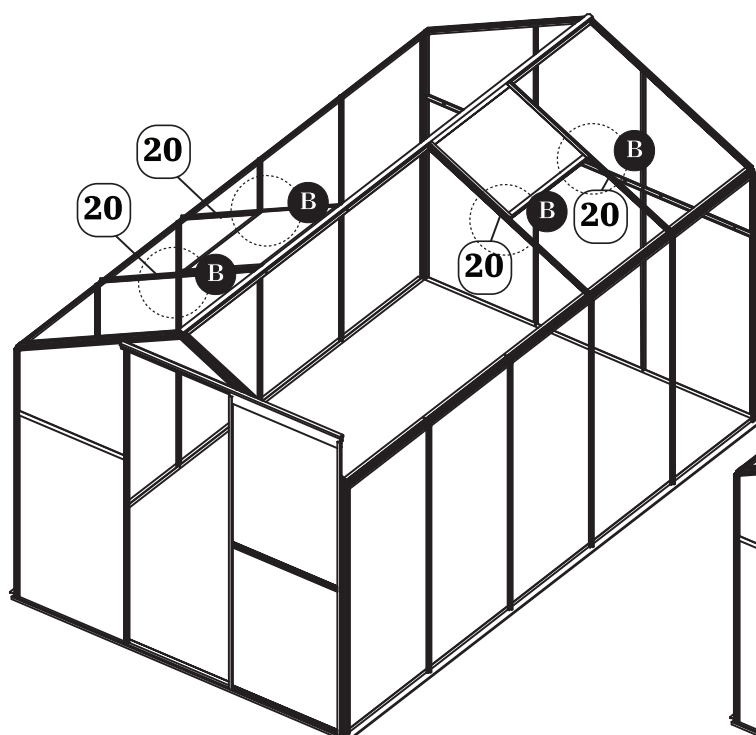
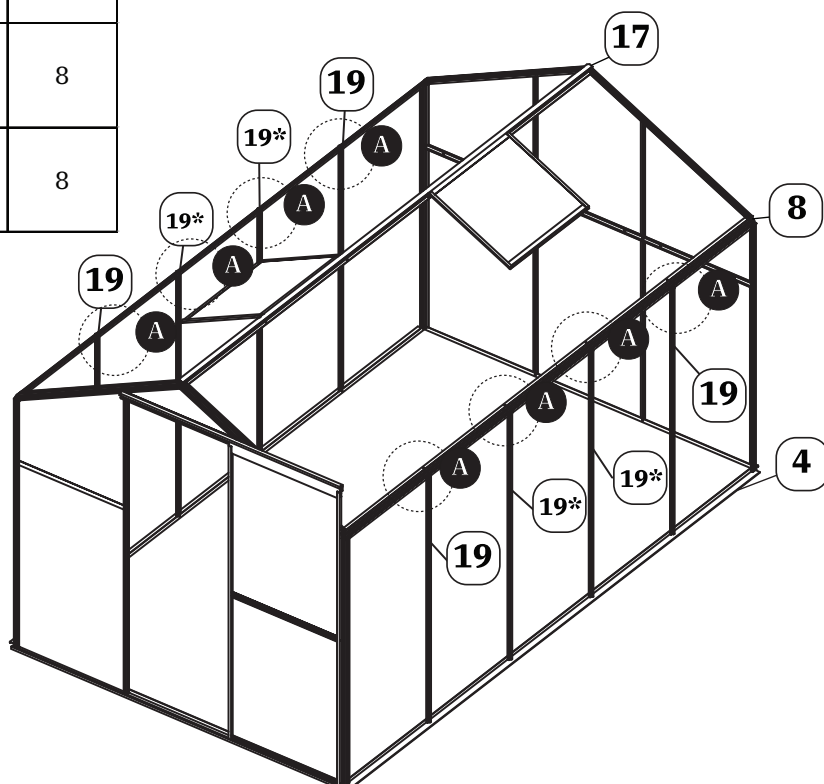
E-1Outside
Profile View

7. Securing of Frames Continued



8. Assembling of Middle Frame

Part No.	Part	Qty.
19		8
20		8
F4		8

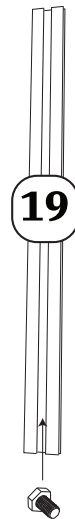


8. Assembling of Middle Frame Continued

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



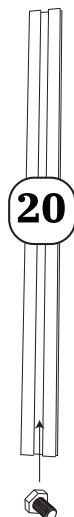
Before the head of the Bolt **F4** on **4** goes into the groove of **19**, Insert a Bolt **F4** into the groove of **19** from the lower end. **DO NOT INSERT BOLTS INTO THE FOUR 19 IN THE MIDDLE OF EACH SIDE(marked as 19*)**. Fasten the Bolt **F4** on **8** and **4** with nuts. Now there should be a Bolt **F4** free to move inside the groove of **19**.

INSIDE VIEW

B-1

Slide **20** to the position shown on previous page. The head of the Bolt **F4** on **8** and **17** should go into the groove of **19**.

B-2



Before the head of the Bolt **F4** on **8** goes into the groove of **19**, Insert a Bolt **F4** into the groove of **20** from the lower end.

Fasten the Bolt **F4** on **8** and **17** with nuts.

Now there should be a Bolt **F4** free to move inside the groove of **19**.

INSIDE VIEW

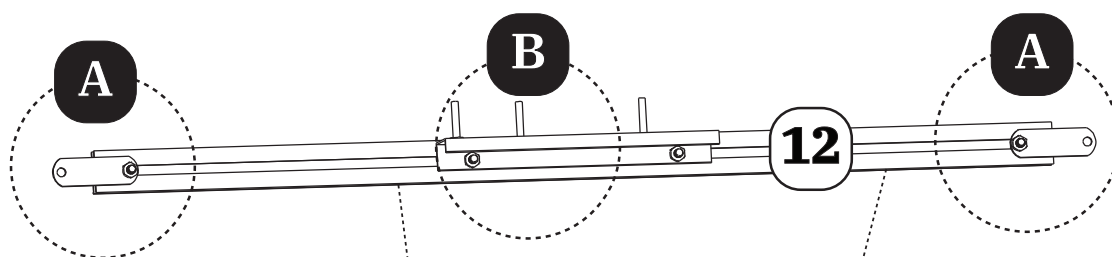
C

Slide **20** to the position shown on previous page. The head of the Bolt **F4** on **8** and **17** should go into the groove of **19**.

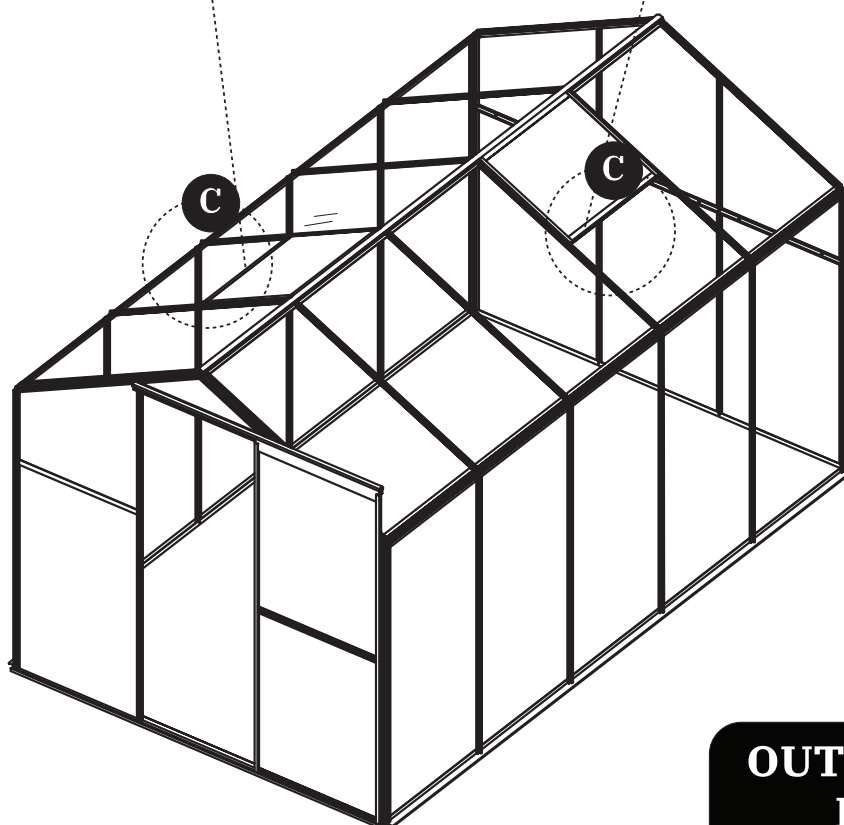
Fasten the Bolt **F4** on **8** and **17** with nuts.

Do not insert Bolt in Step C.

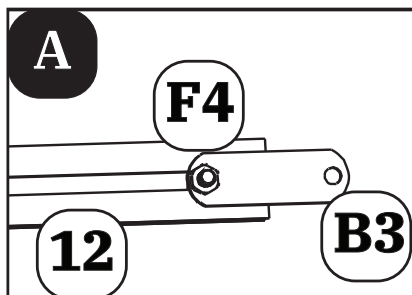
9. Assembling of Roof Vent Holder and Panel Fastener



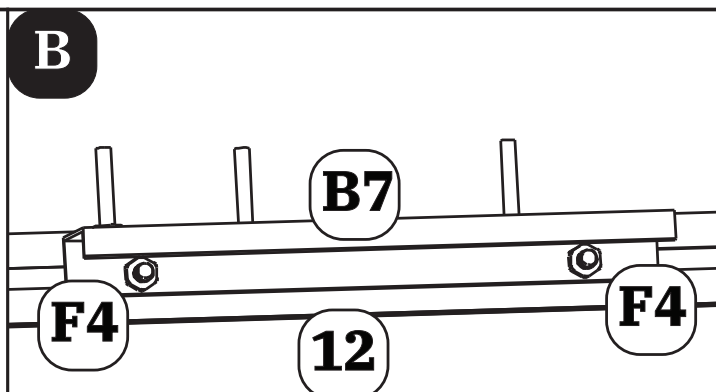
Part No.	Part	Qty.
12		1
B7		1
22		4
23		4
B3		2
F4		8
F4		12



**OUTSIDE VIEW
FRONT**



Screw on the nut of **Bolt F4** but do not fasten it.



Screw on the nuts of **Bolt F4** but do not fasten them.

9. Assembling of Roof Vent Holder and Panel Fastener continued

C-1

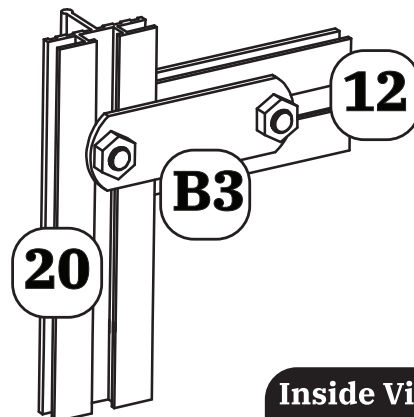
Place the newly assembled 12 next to the roof vent. Note that the three pointers of B7 must face toward the ridge.

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

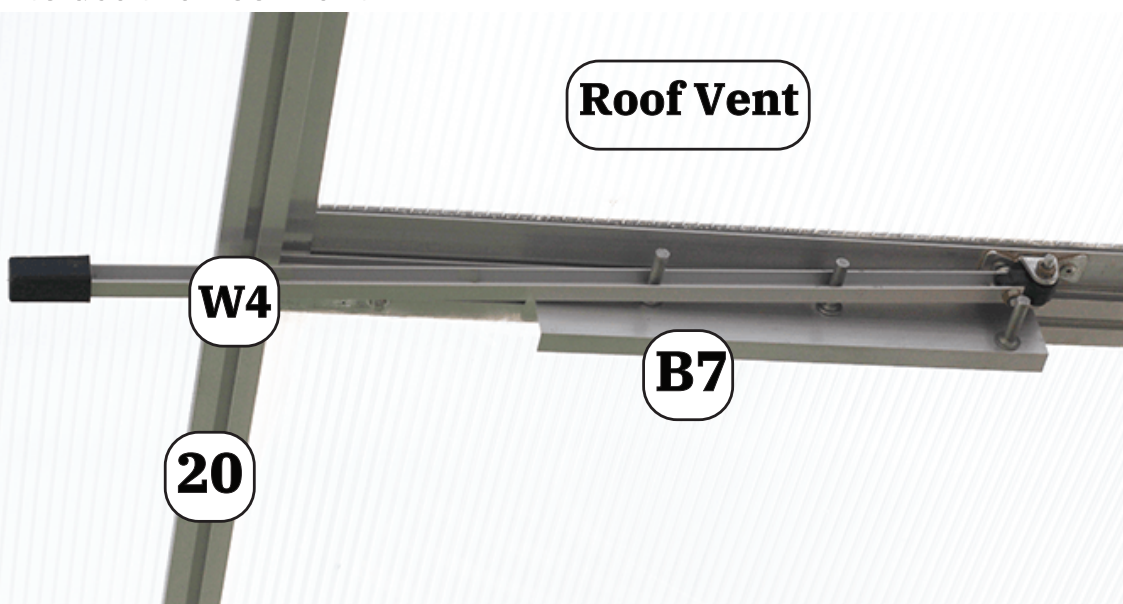
Fasten the four **F4 Bolts** on two **B3** with **nuts**.



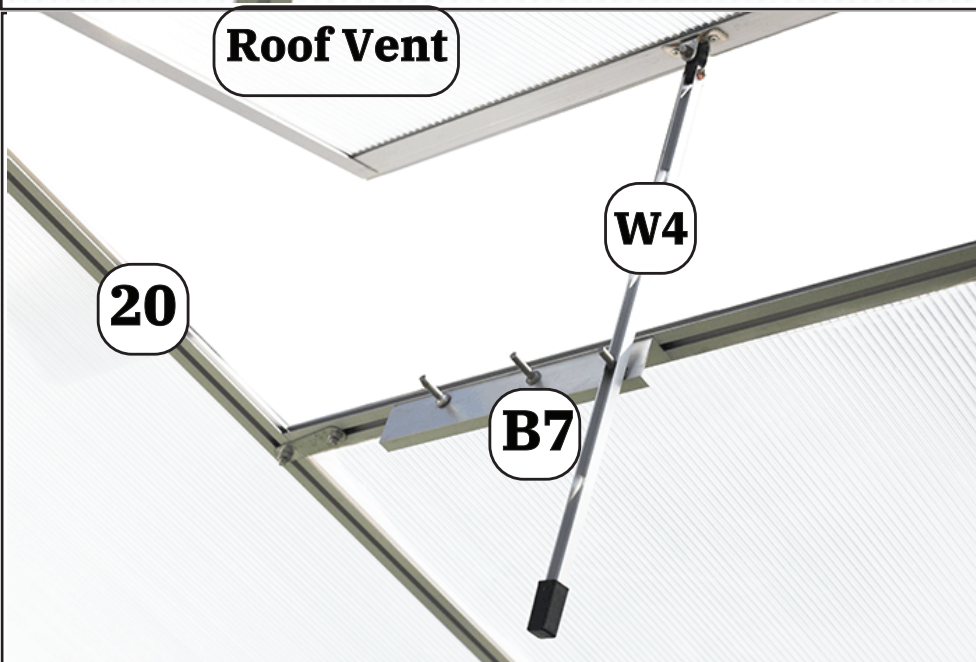
Inside View
Upwards

How to use the Roof Vent-1

Roof Vent

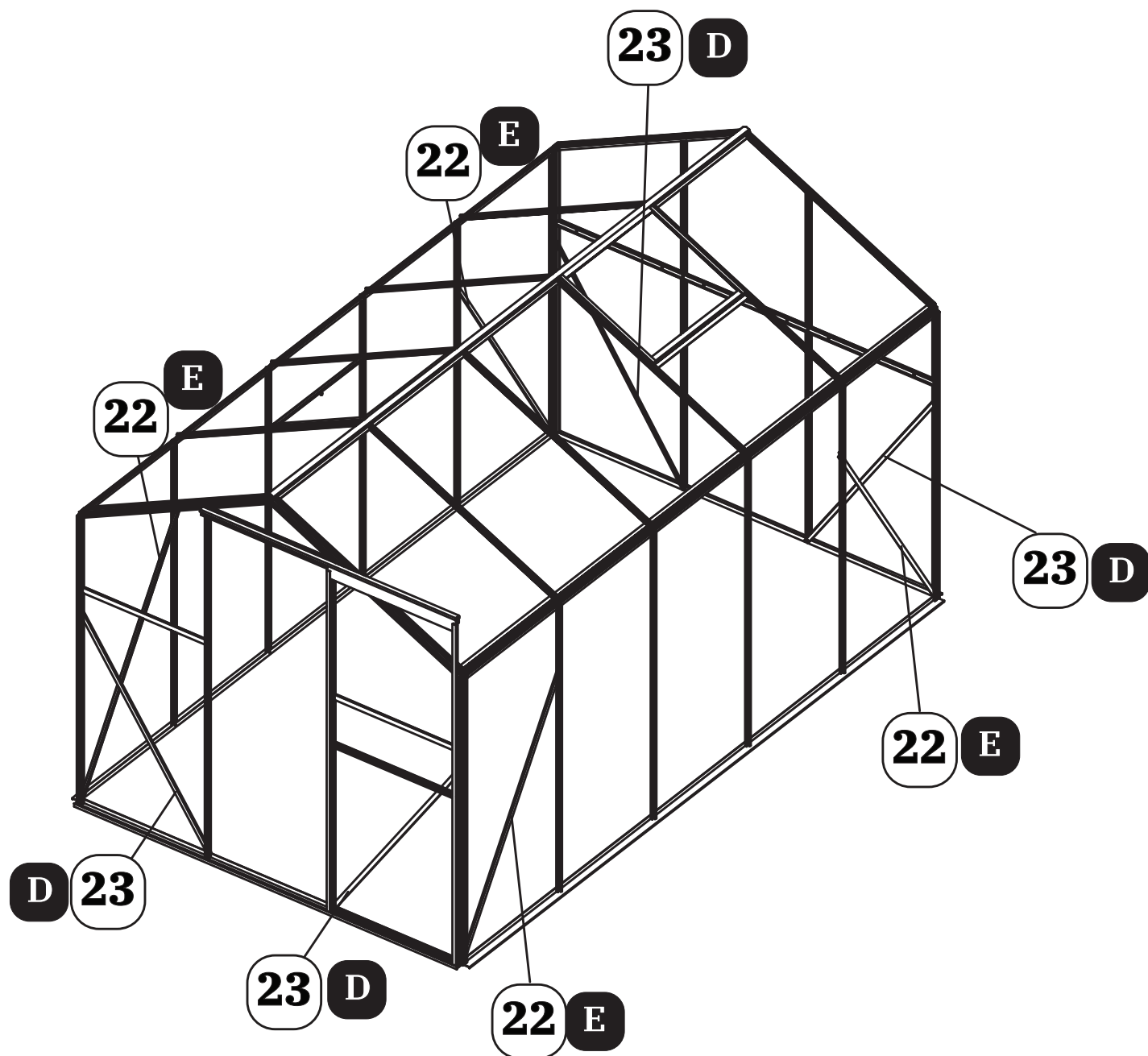


Roof Vent

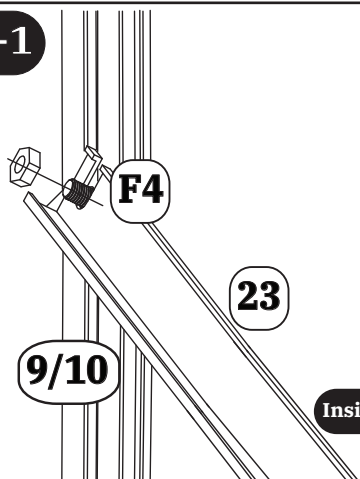


Note that B7's position decides the opening height of the roof vent. Fasten the nuts on B7 when you are satisfied with the opening.

9. Assembling of Roof Vent Holder and Panel Fastener continued



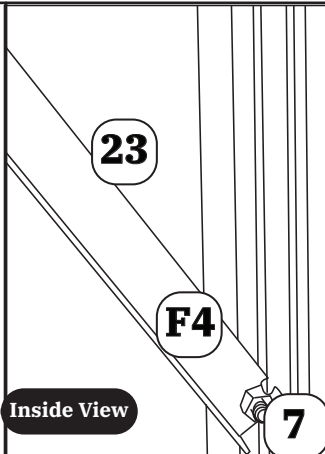
D-1



Inside View

Inside View

D-2

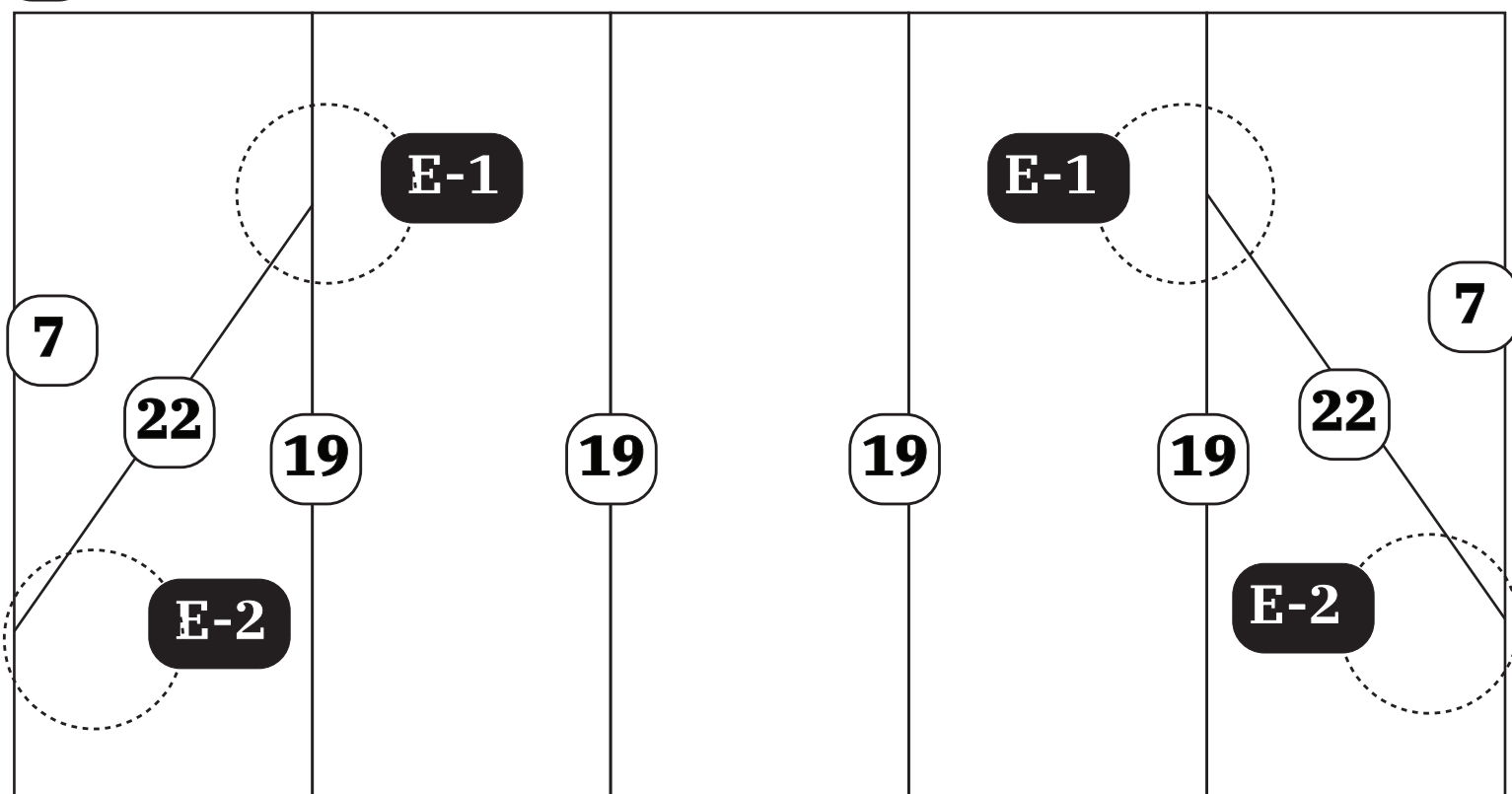
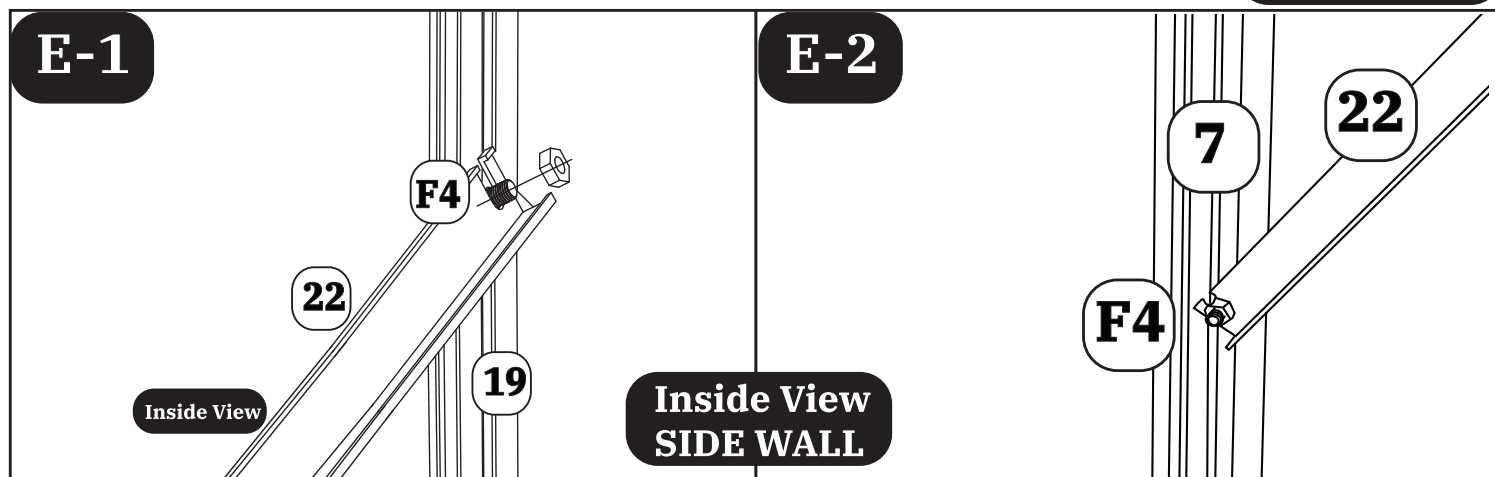


Step D-1 and D-2

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 **23** under the bolts. Fasten the nuts.

9. Assembling of Roof Vent Holder and Panel Fastener continued

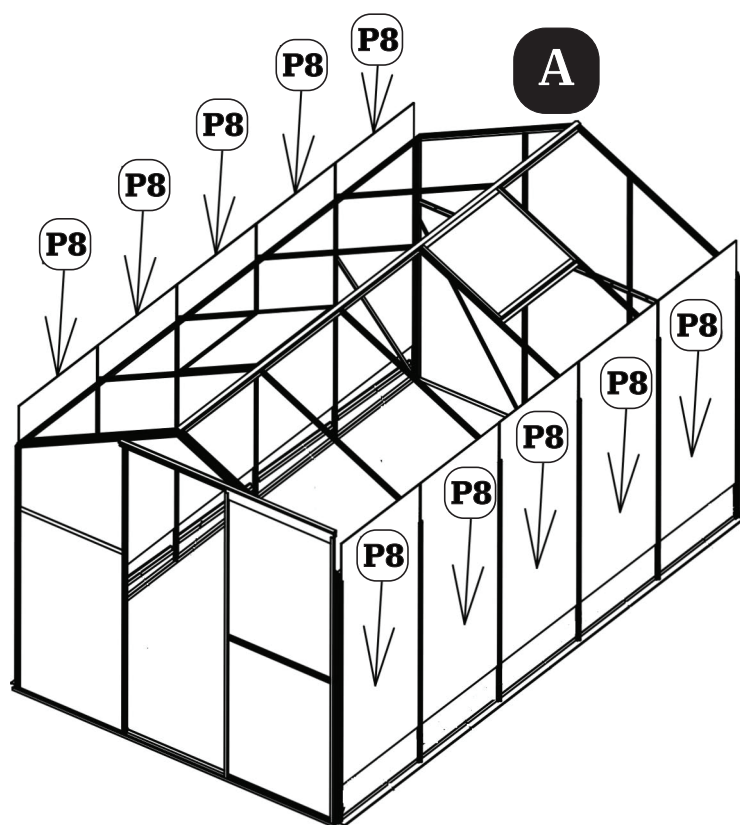
E

**Inside View
SIDE WALL**





Step E-1 and E-2

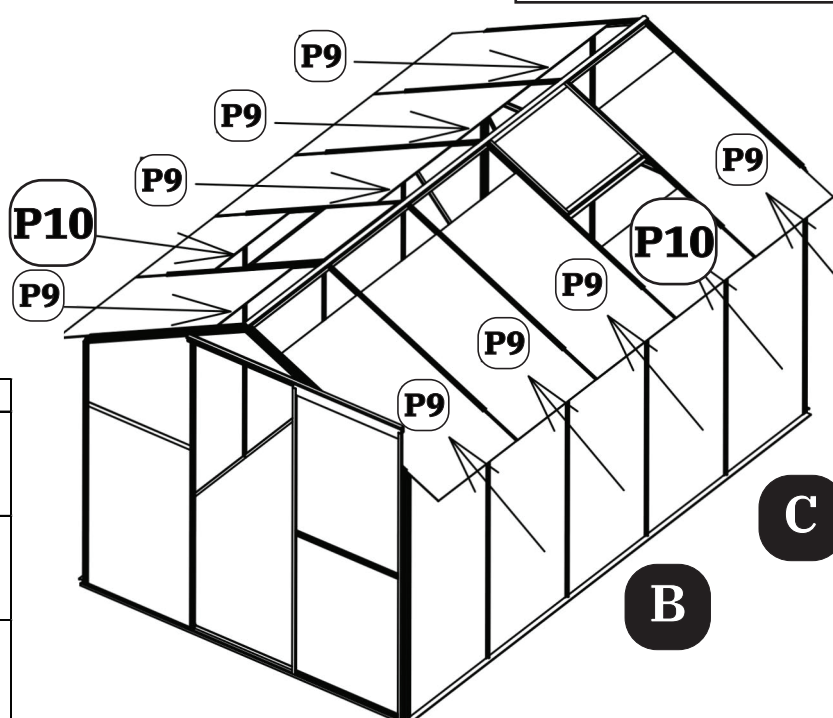
This step utilizes two previously inserted **F4 Bolts**, one in the groove of **19** the other in the groove of **7**.

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

10. Assembling of Panels

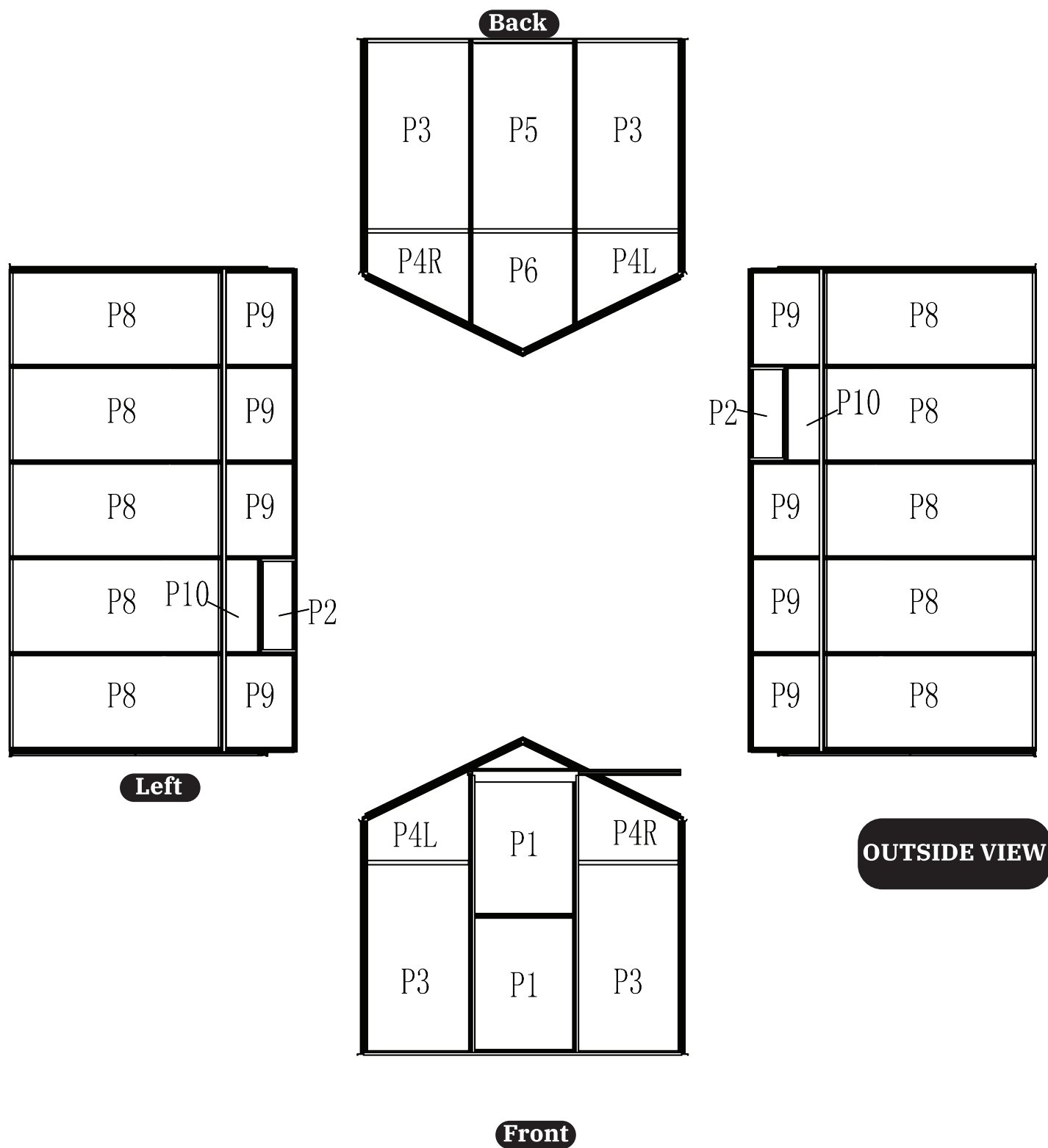
**A**Insert Panel **P8**.**B**Insert Panel **P9**.**C**Insert Panel **P10**.

Part No.	Part	Qty.
P8		10
P9		8
P10		2






**B****C**

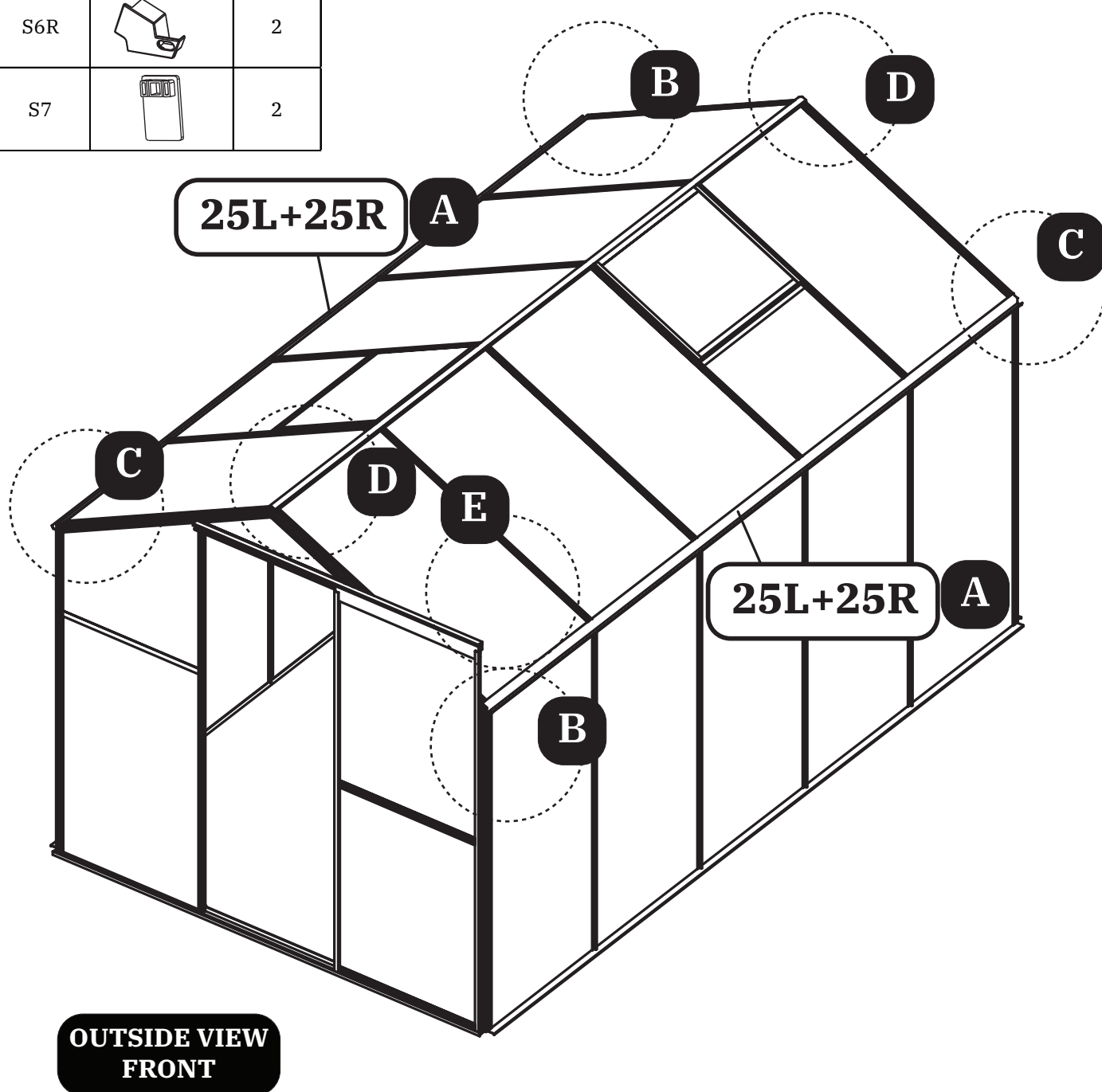
**OUTSIDE VIEW
FRONT**

Polycarbonate Panel Layout

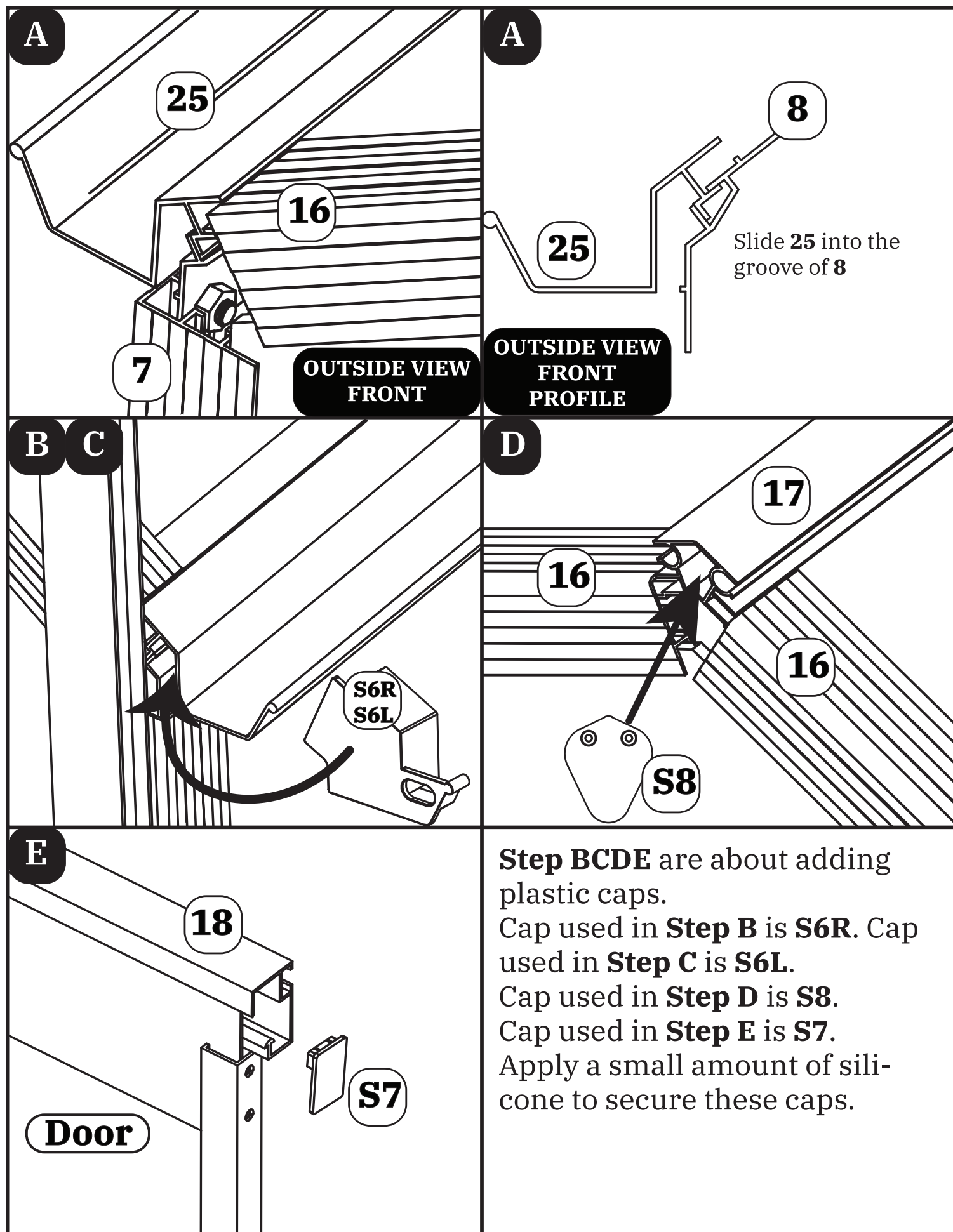


11. Assembling of Gutters and Caps

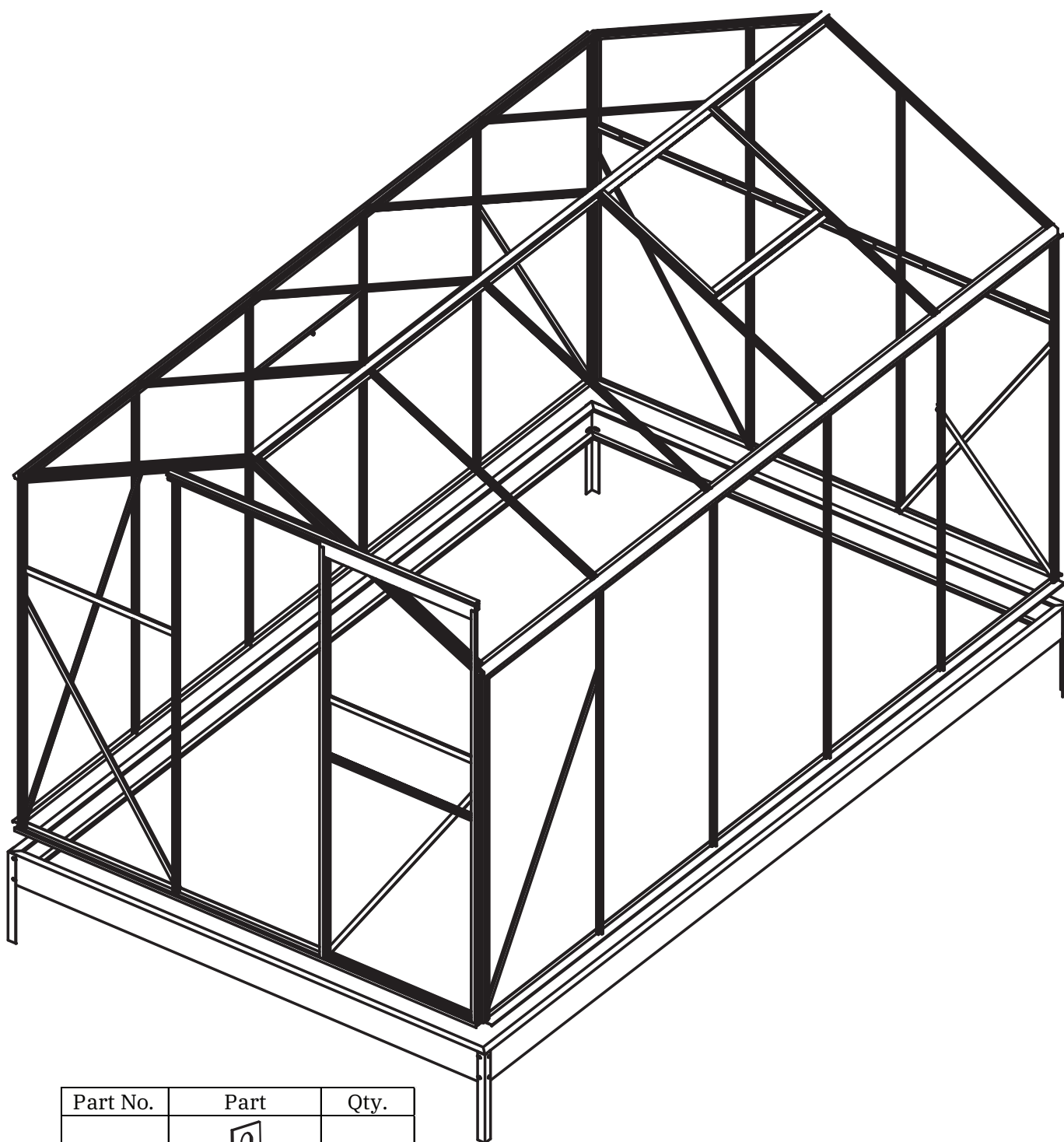
Part No.	Part	Qty.
25L+25R		2+2
S5		2
S6L		2
S6R		2
S7		2




11. Assembling of Gutters and Caps Continued

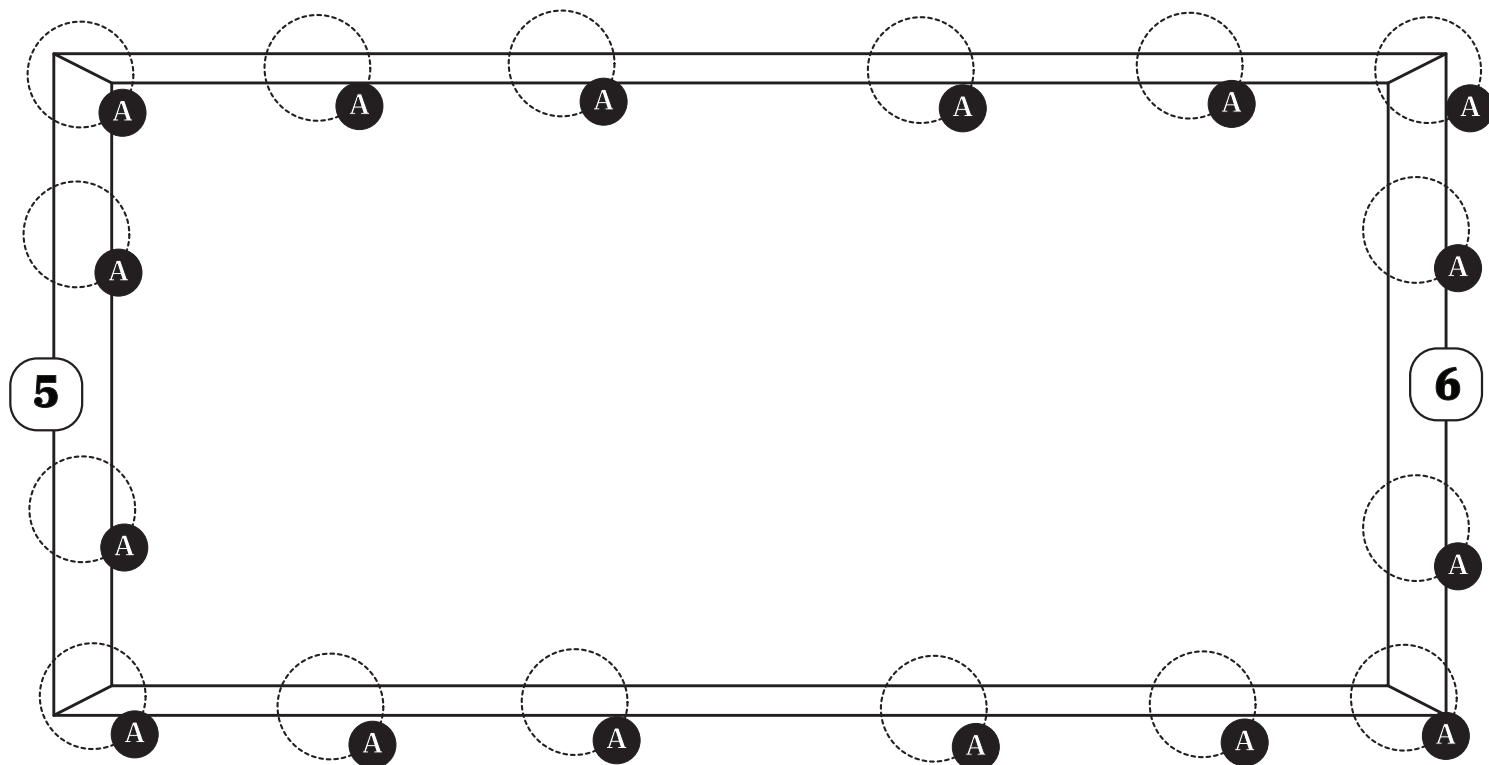


Securing the greenhouse to the prefabricated Base



Part No.	Part	Qty.
B2		20

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 20 **F4 Bolts**.

