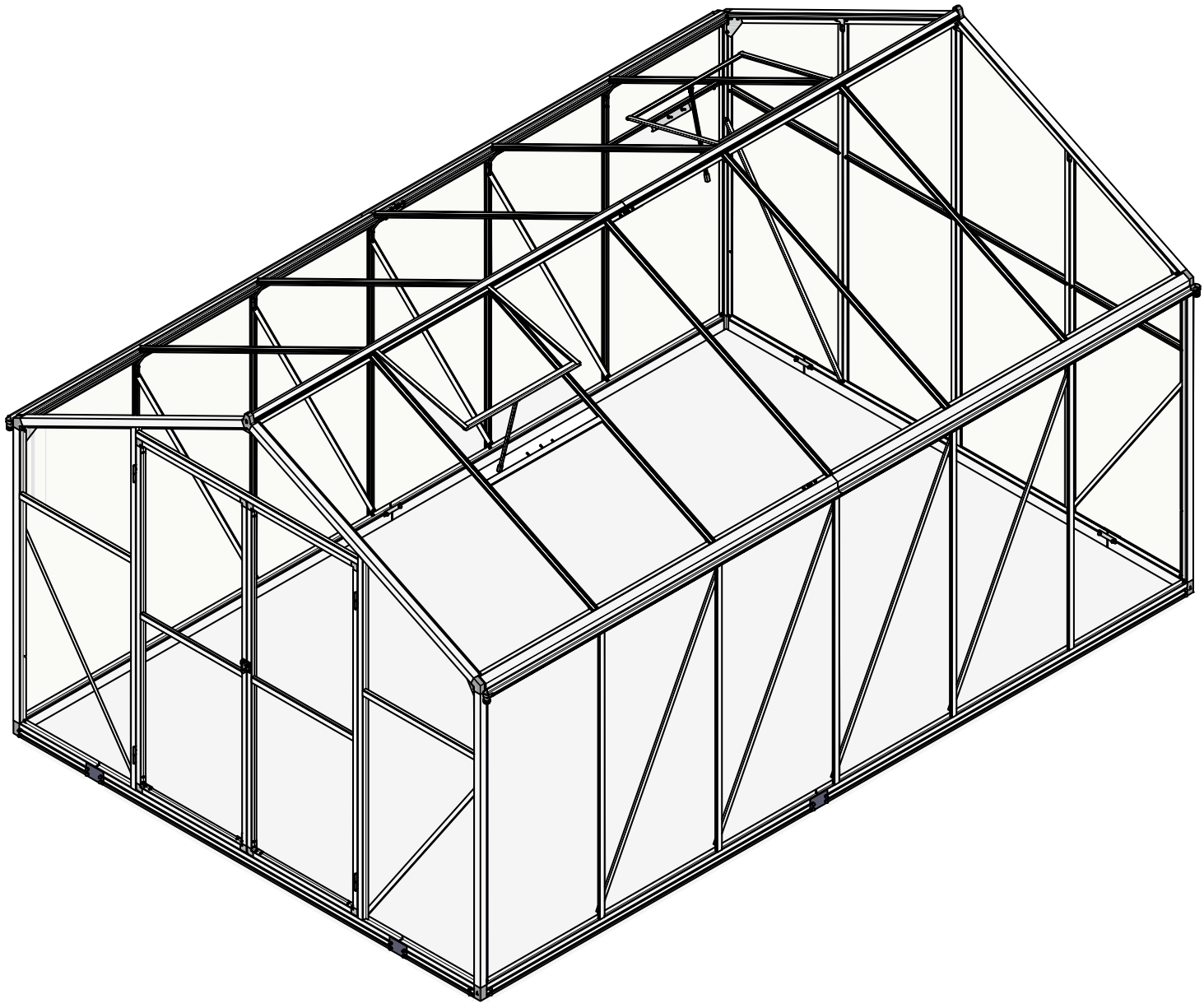
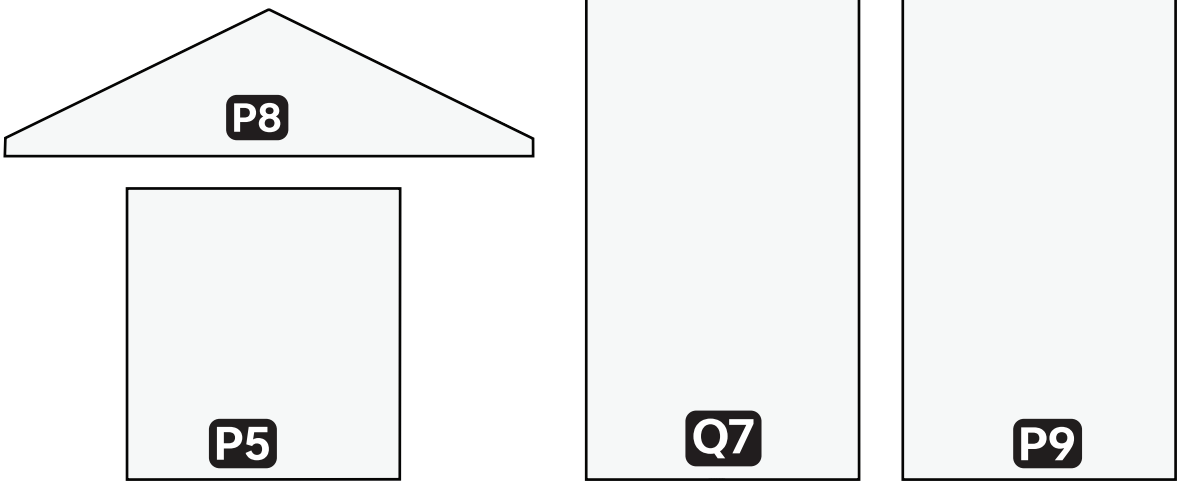
8FT X 12FT GREENHOUSE

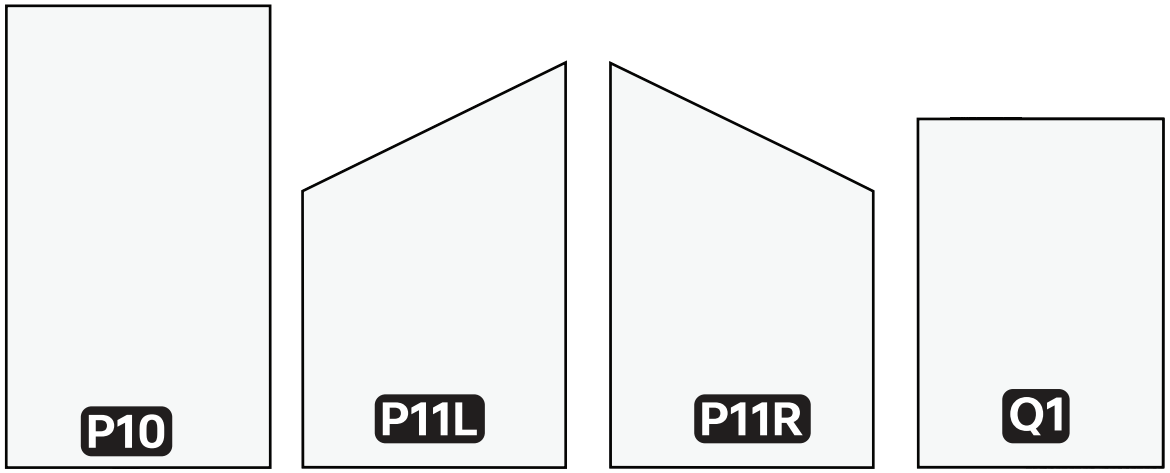
ASSEMBLY MANUAL

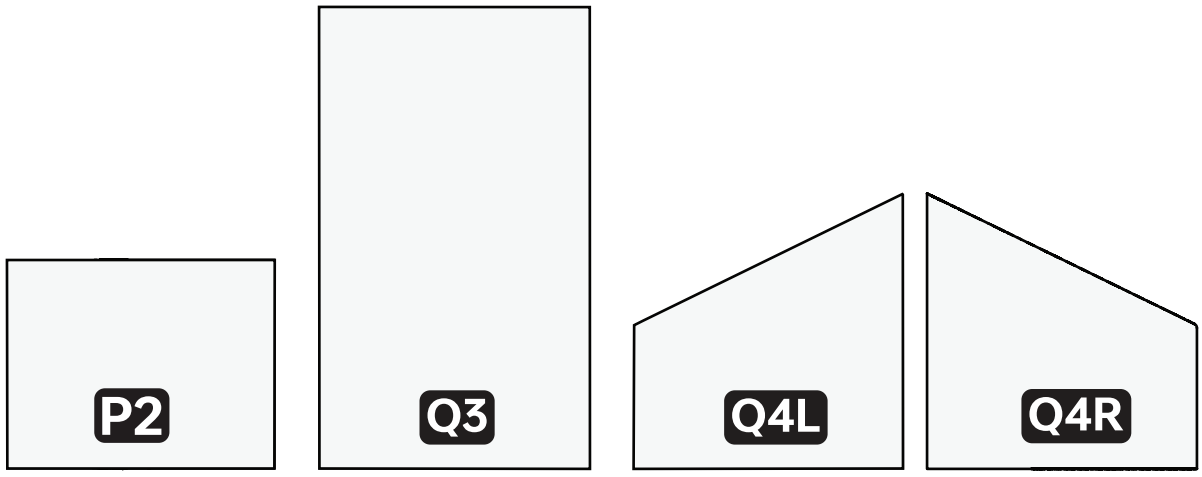


INSIDE CARTON 1

Part	Qty
P5	2
P8	1
Q7	12
P9	10
P10	2
P11L	1
P11R	1
Q1	4
P2	2
Q3	4
Q4L	2
Q4R	2

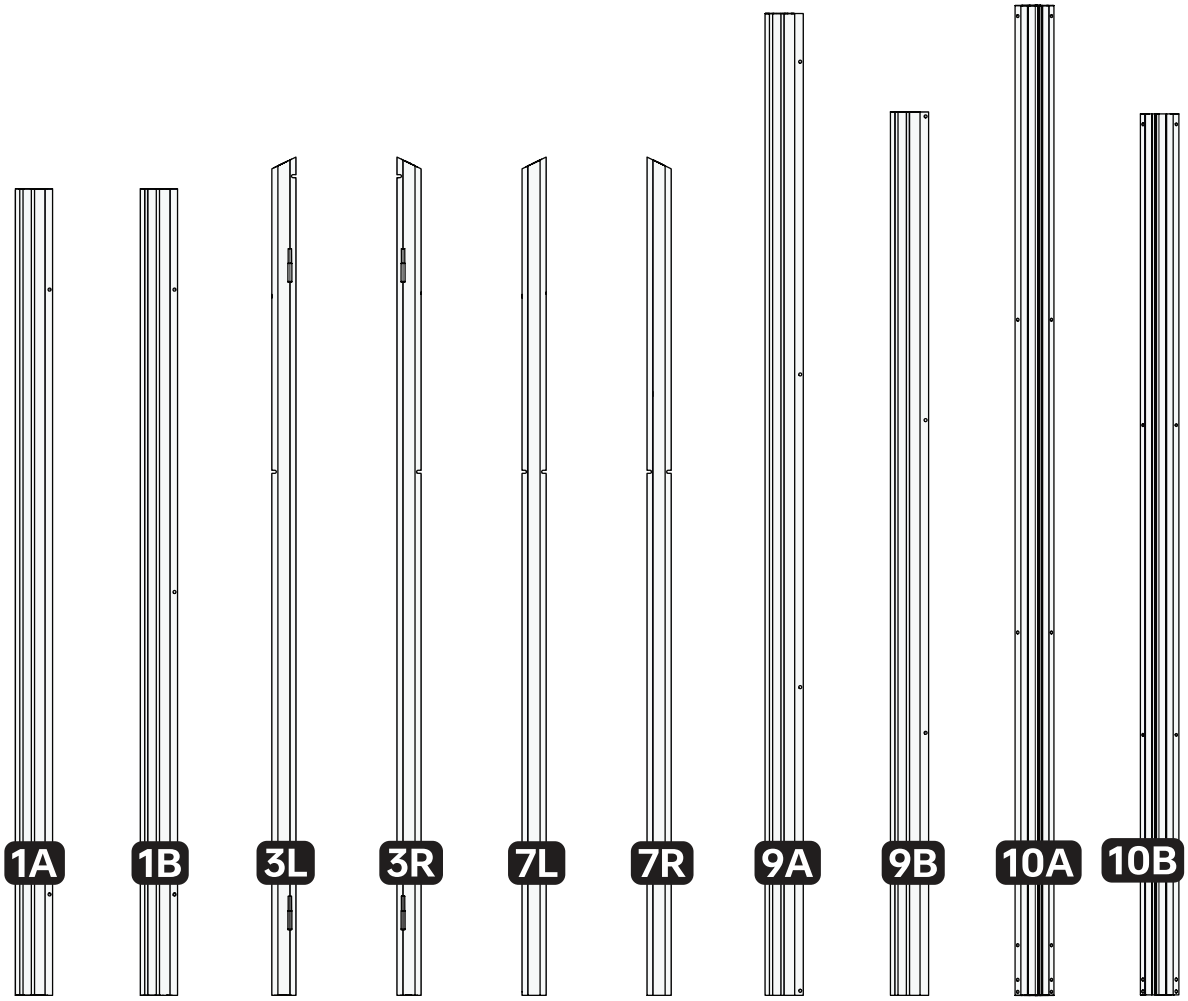


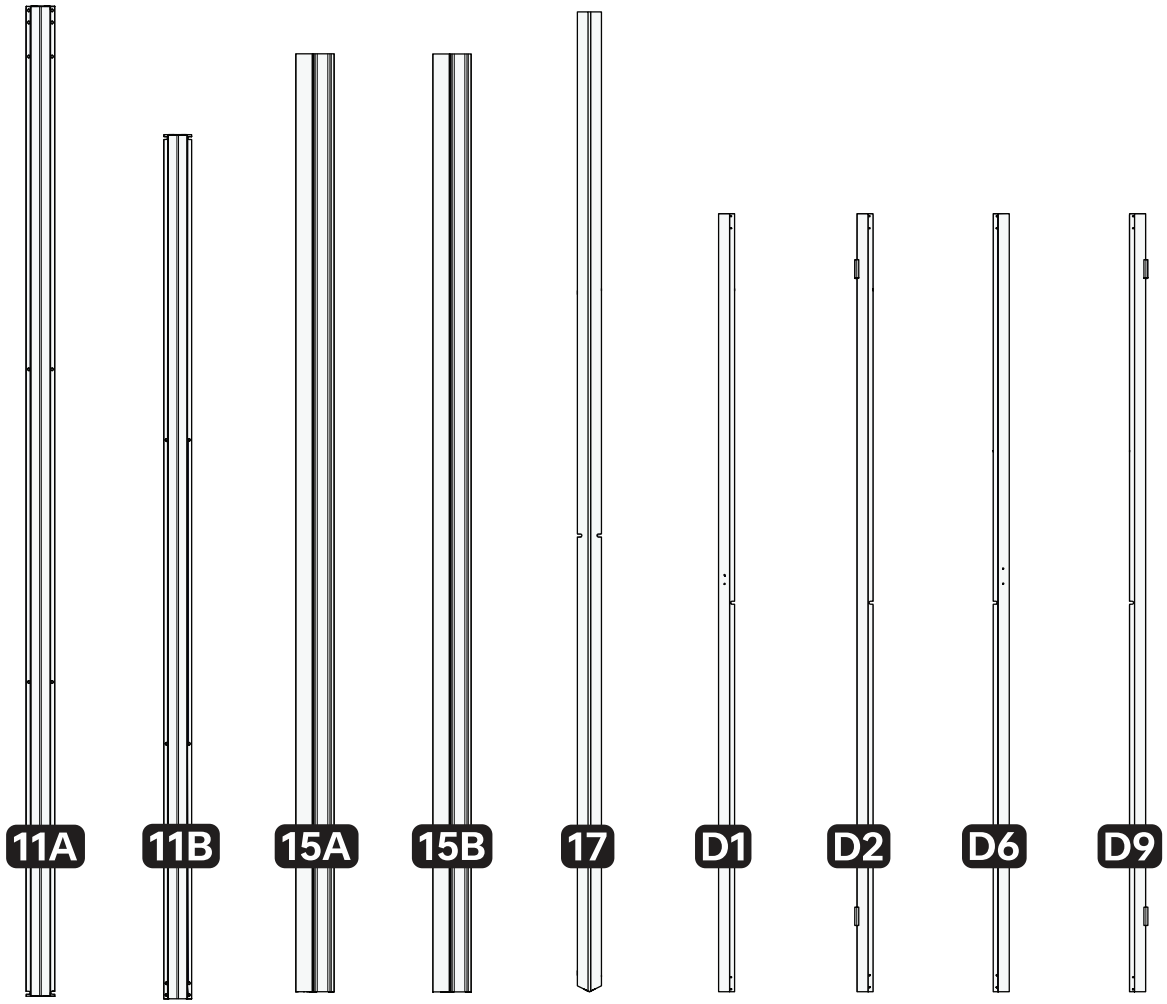




INSIDE CARTON 2

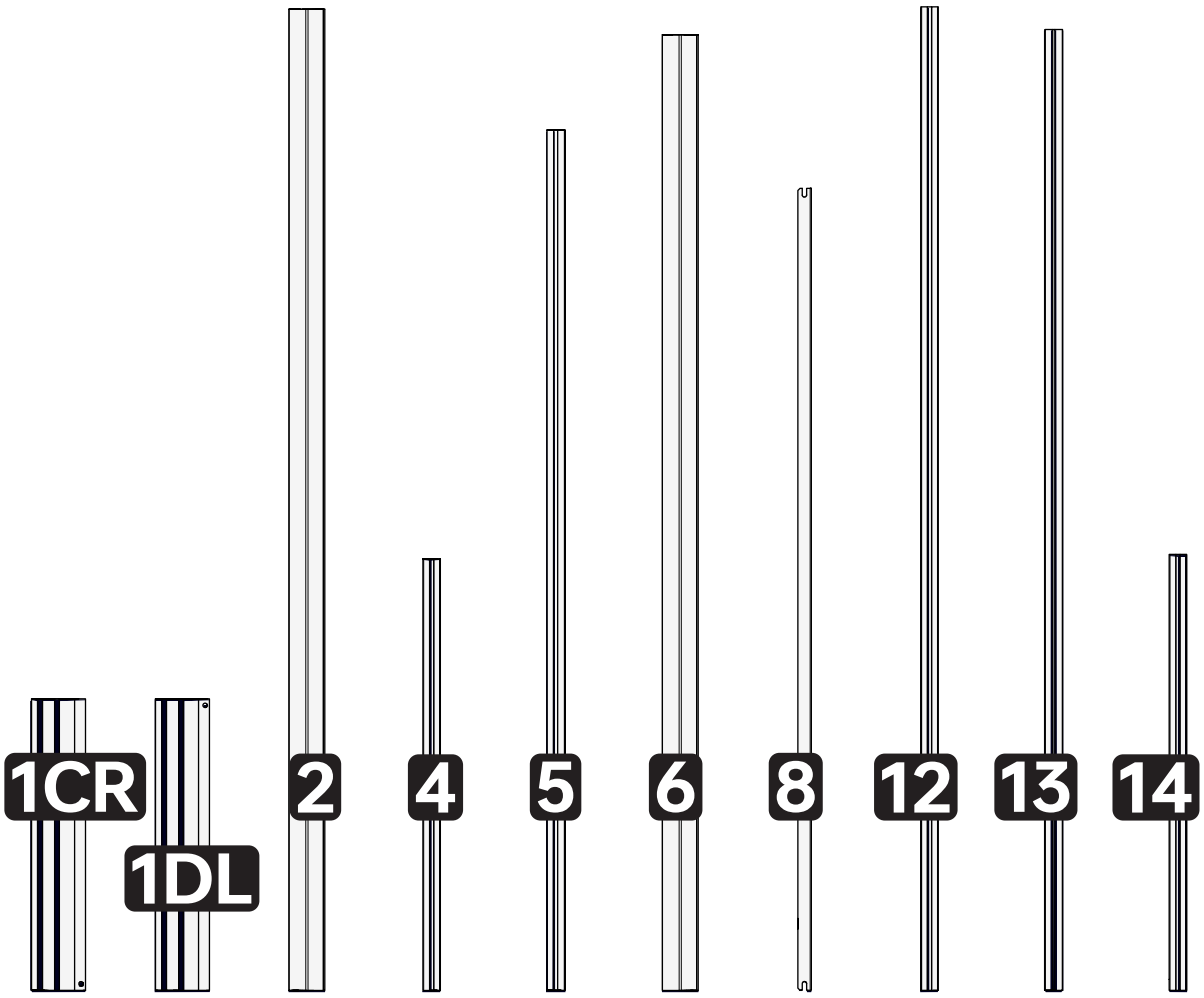
Part	Qty
1A	1
1B	1
3L	1
3R	1
7L	1
7R	1
9A	2
9B	2
10A	2
10B	2
11A	1
11B	1
15A	2
15B	2
17	1
D1	1
D2	1
D6	1
D9	1

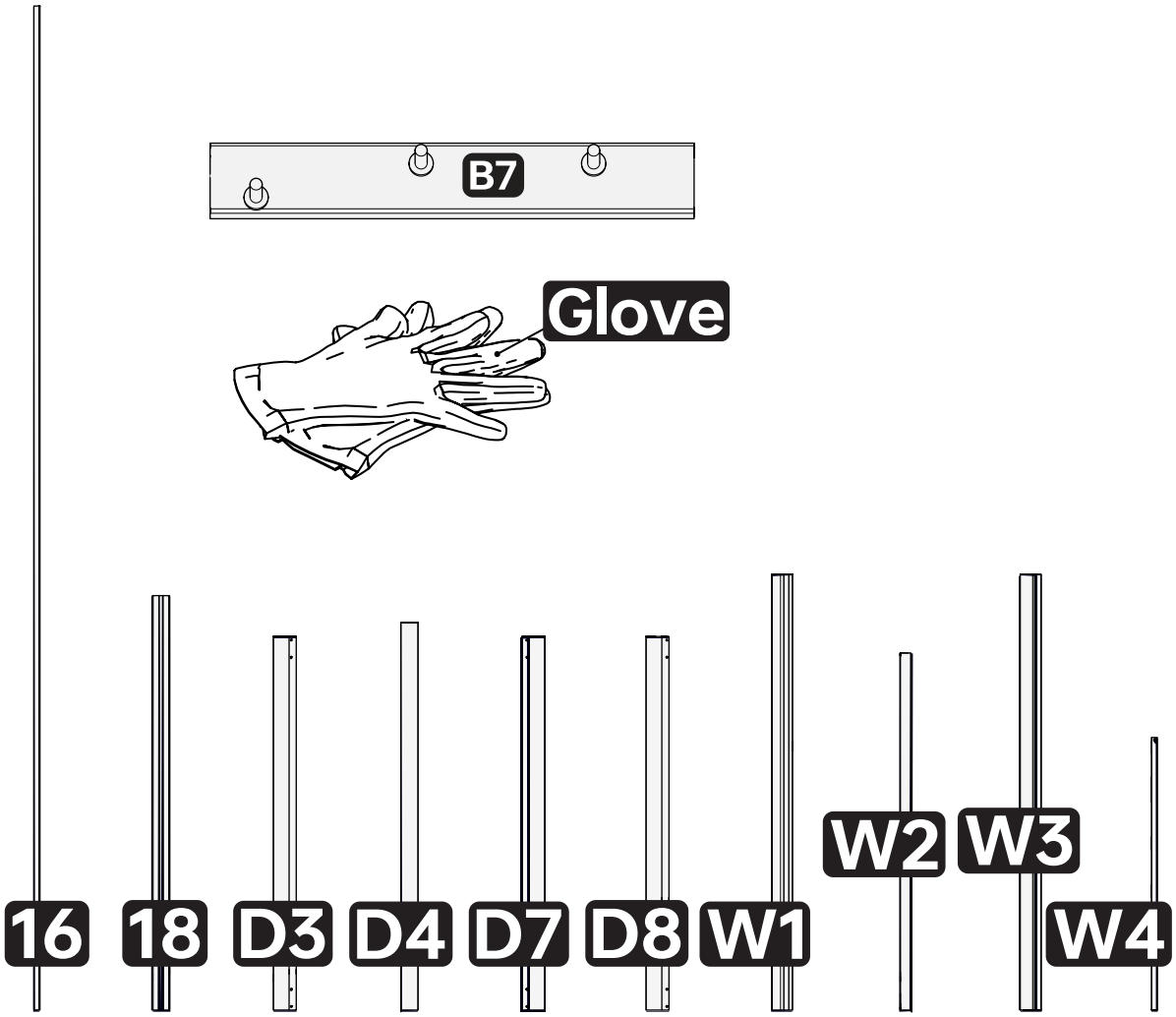




INSIDE CARTON 3

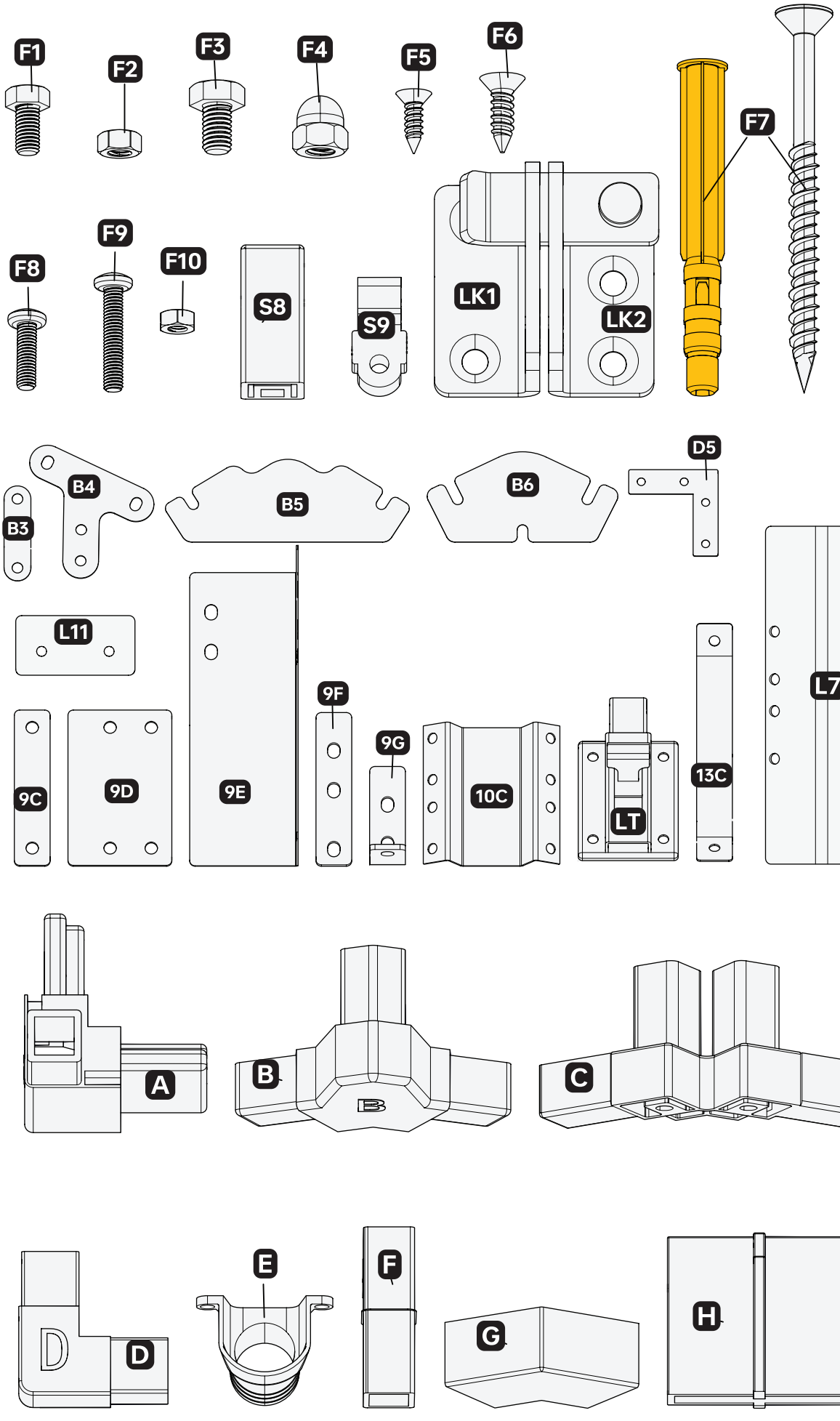
Part	Qty
1CR	2
1DL	2
2	4
4	4
5	1
6	4
8	4
12	10
13	10
14	2
16	8
18	2
D3	2
D4	2
D7	1
D8	1
W1	2
W2	4
W3	2
W4	2
B7	2
GLOVE	2





INSIDE BOX 1

Smaller parts are scaled up out of proportion to make them easier to see.



Part	Qty
F1	210
F2	210
F3	52
F4	52
F5	48
F6	8
F7	4
F8	2
F9	2
F10	4
S8	2
S9	2
LK1	1
LK2	1
LT	2
L7	1
L11	1
9C	6
9D	6
9E	4
9F	4
9G	4
10C	2
13C	15
B3	4
B4	4
B5	4
B6	2
D5	8
A	4
B	2
C	4
D	8
E	4
F	4
G	4
H	6

01 Getting Started

Thank you for buying our greenhouse. Please read the manual thoroughly before assembling it.

PREP & PLANNING:

Assembly takes at least two adults and three hours. Gather some extra helping hands for a smoother process.
Choose a calm, dry day for assembly. Windy or rainy conditions can make things tricky.
Don't attempt assembly if you're tired, under the influence, or on medication. Your focus and reaction time are crucial.

SAFE ASSEMBLY PRACTICES:

Always wear work gloves, shoes, and safety goggles to protect yourself from cuts, pinches, and debris.
Keep children and pets away from the assembly area to avoid accidents or distractions.
Be mindful of overhead power lines and other potential hazards during construction.
Step-by-step instructions are your guide to success. Don't skip or improvise, as it could compromise the stability of your greenhouse.
Once assembled, dispose of all plastic bags and protective films responsibly.

SAFETY REMINDERS:

The roof is not designed for walking or standing on.
Avoid leaning against or pushing the greenhouse until it's fully assembled and secured.

TOOLS

Work Gloves, Safety Goggles, Tape Measure, Level, Carpenters Square, Marker Pen, Rubber Mallet, Philips head screw driver or Power tool, M4/M5 Wrench, Ladder, Plier.
Optional: Concrete Drill with M6 Drill Bit.

PART CHECKING

Put parts on a soft and clean surface, like a blanket. This will prevent the parts from getting scratched or dented by the hard ground.
Compare the part list with the actual parts you received.
If you find any parts missing or damaged, do not assemble the shed. Contact the seller.

ABOUT STACKED PARTS

There are cases where two parts are stacked firmly and may appear to be a whole part.

02 Assembly Site

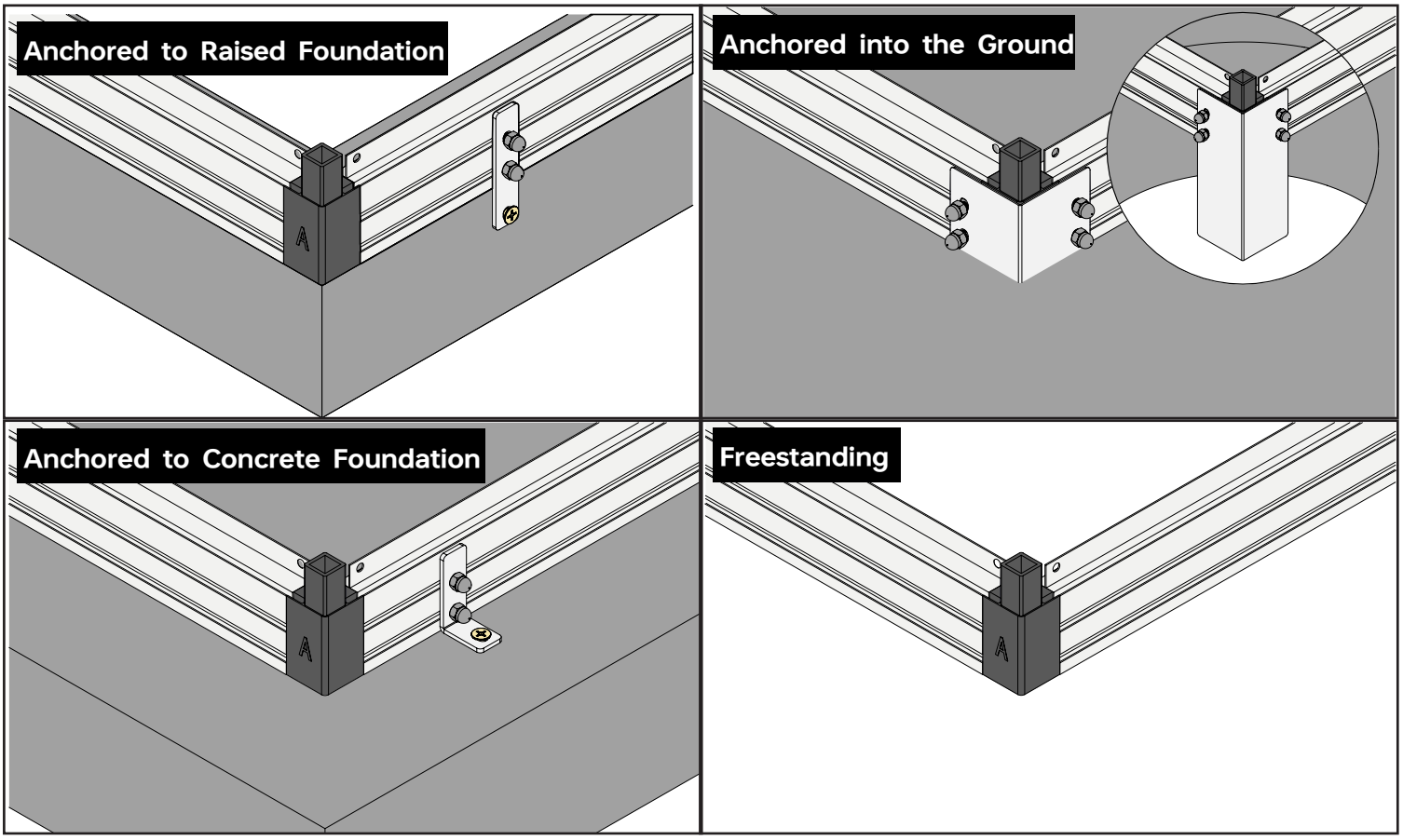
LOCATION

Greenhouse Dimensions: The greenhouse occupies an area of 9.37m² (101ft²) on the ground. It measures 3.78m (12.4ft) in length and 2.48m (8.14ft) in width.
Required Clearance: Maintain a minimum clearance of 0.91m (3ft) around the entire greenhouse. This ensures adequate ventilation, proper water drainage, and easy access for maintenance.
Checking for Underground Obstructions: Before installation, carefully check the area for any hidden pipes, cables, or septic tanks to avoid potential damage during the foundation preparation process.

FOUNDATION OPTIONS

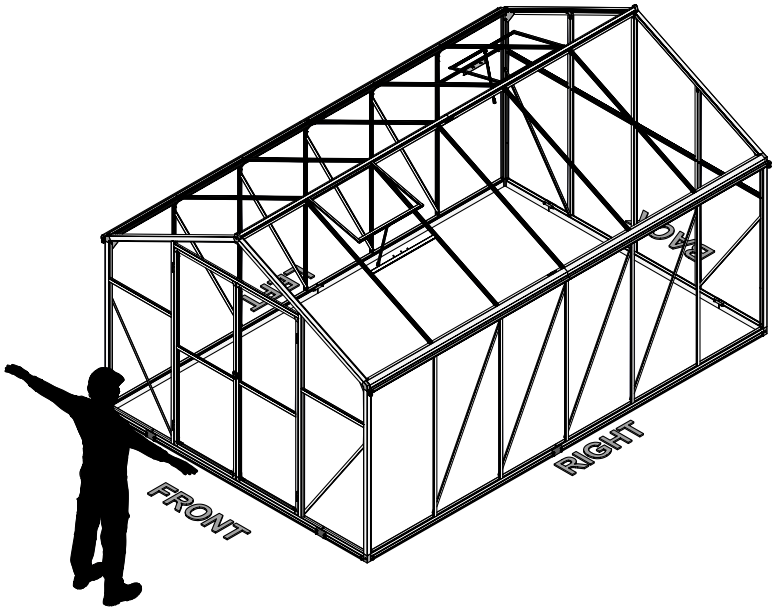
To ensure the stability and safety of your greenhouse, it must be securely anchored to a level and solid foundation. This manual provides instructions and hardware for the following foundation options:
Raised Foundation: Utilizing timber or concrete blocks to create a raised platform.
Ground Anchoring: Anchoring the greenhouse directly into the ground.
Concrete Anchoring: Securing the greenhouse to an existing concrete foundation.
Freestanding: This option does not involve anchoring the greenhouse, making it the least stable.

You'll find detailed instructions for each foundation option in the following sections.



03 Basic Concepts

LOCATION MARKS

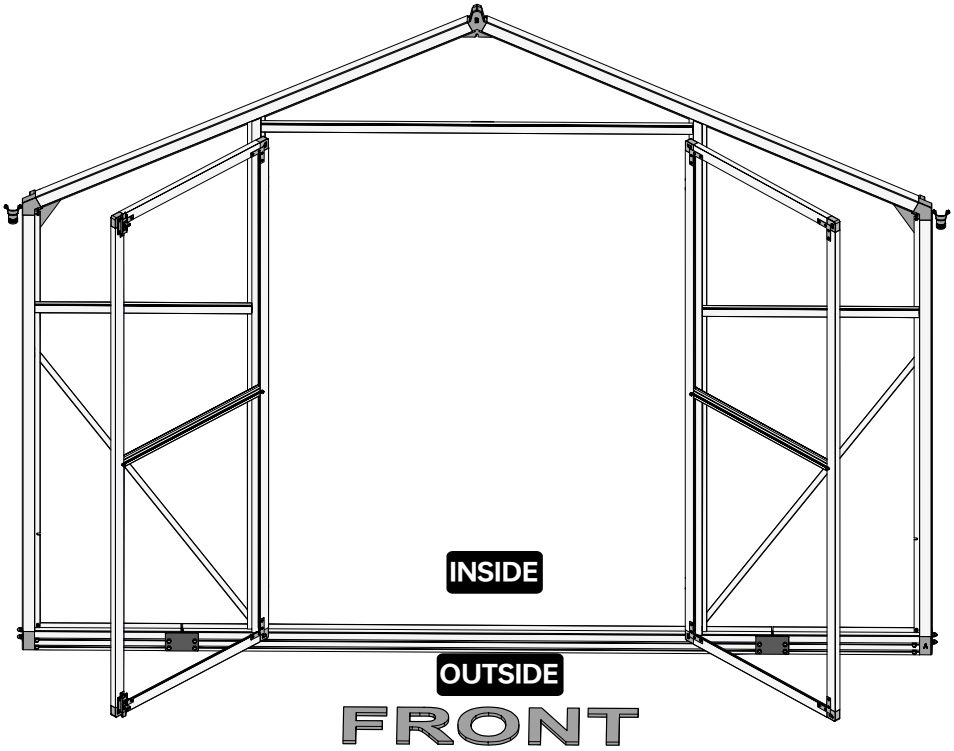


Throughout this manual, “left” and “right” are used from the perspective of someone standing at the front of the greenhouse, facing it.

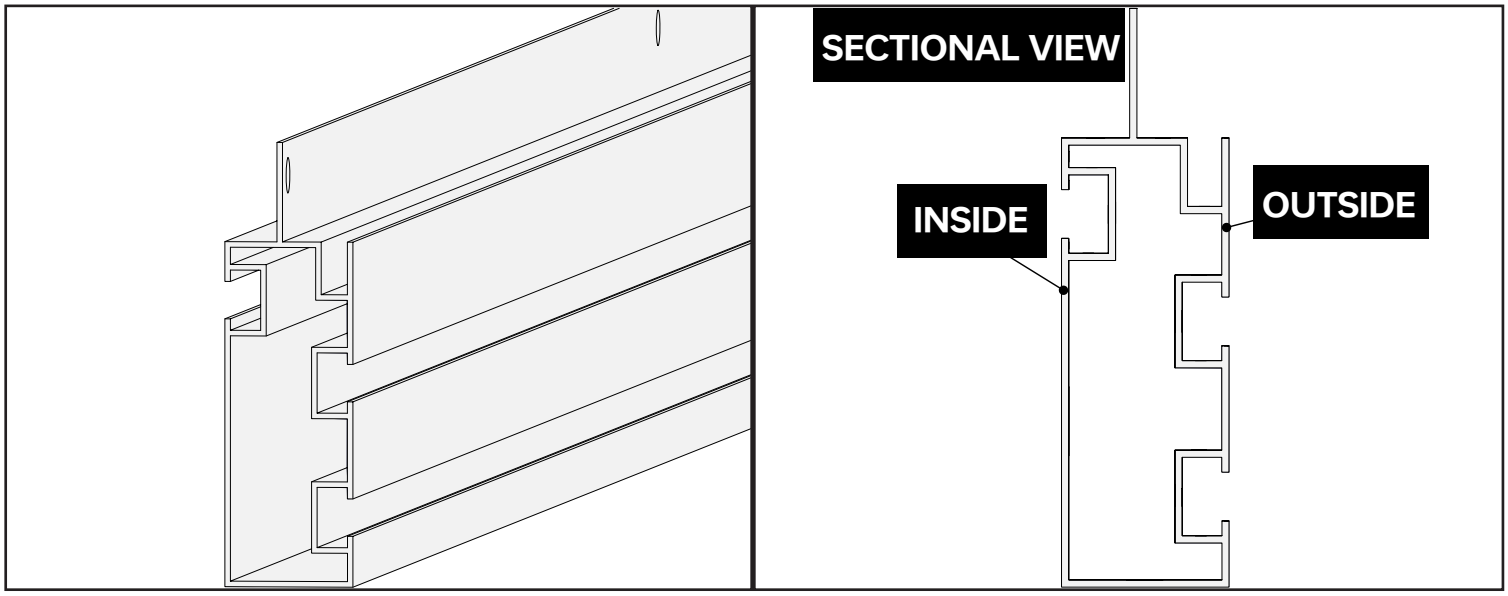
INSIDE AND OUTSIDE

WORKING INSIDE AND OUTSIDE THE GREENHOUSE:

This manual will guide you through assembling your greenhouse, with steps involving both the interior and exterior. The instructions will clearly indicate whether you should be working on the **INSIDE** (within the greenhouse) or the **OUTSIDE** (around the exterior).



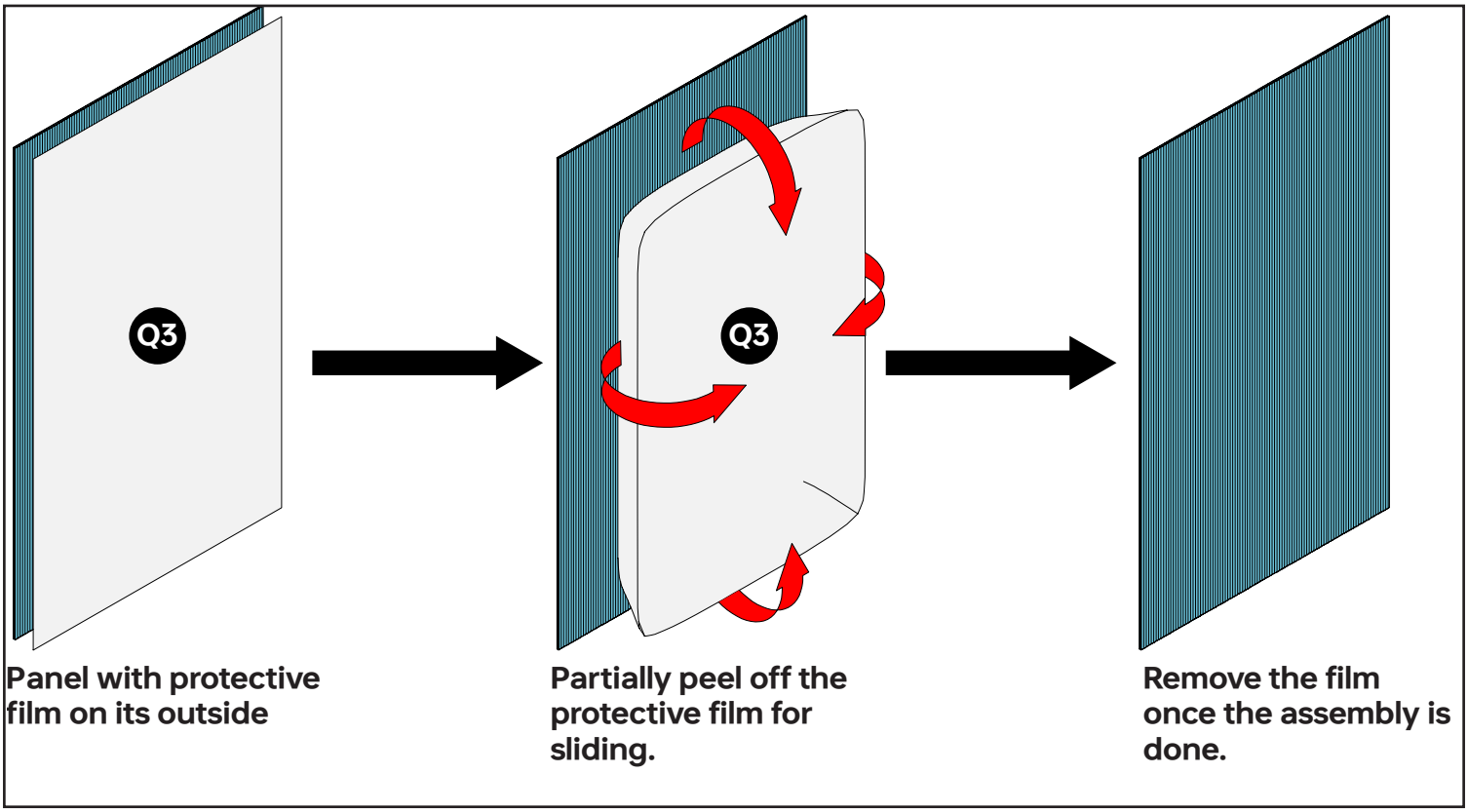
PART MARKINGS: INSIDE AND OUTSIDE



The **INSIDE** marking should always face you when you're standing inside the greenhouse. The **OUTSIDE** marking should always face you when you're standing outside the greenhouse, **LOOKING AT IT**.

UNDERSTANDING SECTIONAL VIEWS:
This manual uses sectional views (like the example above) to clearly show the difference between the **INSIDE** and **OUTSIDE** of a part.

PANELS



IDENTIFYING PANEL SIDES:
Panels have two sides: an inside and an outside. The outside is marked with a thin white protective film. Think of it like this: the white film should always face the outdoors.

HANDLING THE PROTECTIVE FILM DURING ASSEMBLY:

Preparing for Insertion: Before inserting the panels into the aluminum profiles, partially peel back the protective film along the edges. This will allow the panels to slide in smoothly.

Protecting the Labels: Do not remove the entire film as it contains important part labels. Roll up the peeled edges to keep the labels visible and prevent damage.

Final Removal: After the panels are securely in place, you can safely remove the remaining protective film.

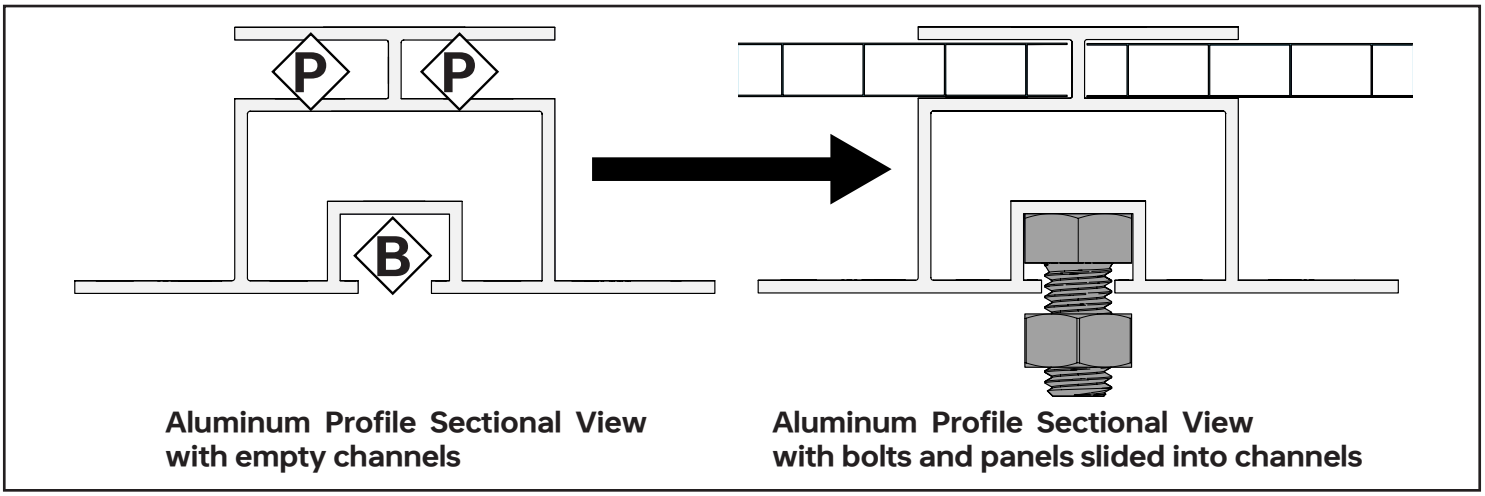
ALUMINUM PROFILE AND SLIDING

DIFFERENT CHANNELS FOR BOLTS AND PANELS:

The aluminum profiles (frames) have distinct channels for bolts and panels. This ensures proper alignment and a secure structure.

Bolt Channels: Identified by a diamond shape with "B". Designed for inserting and securing bolts.

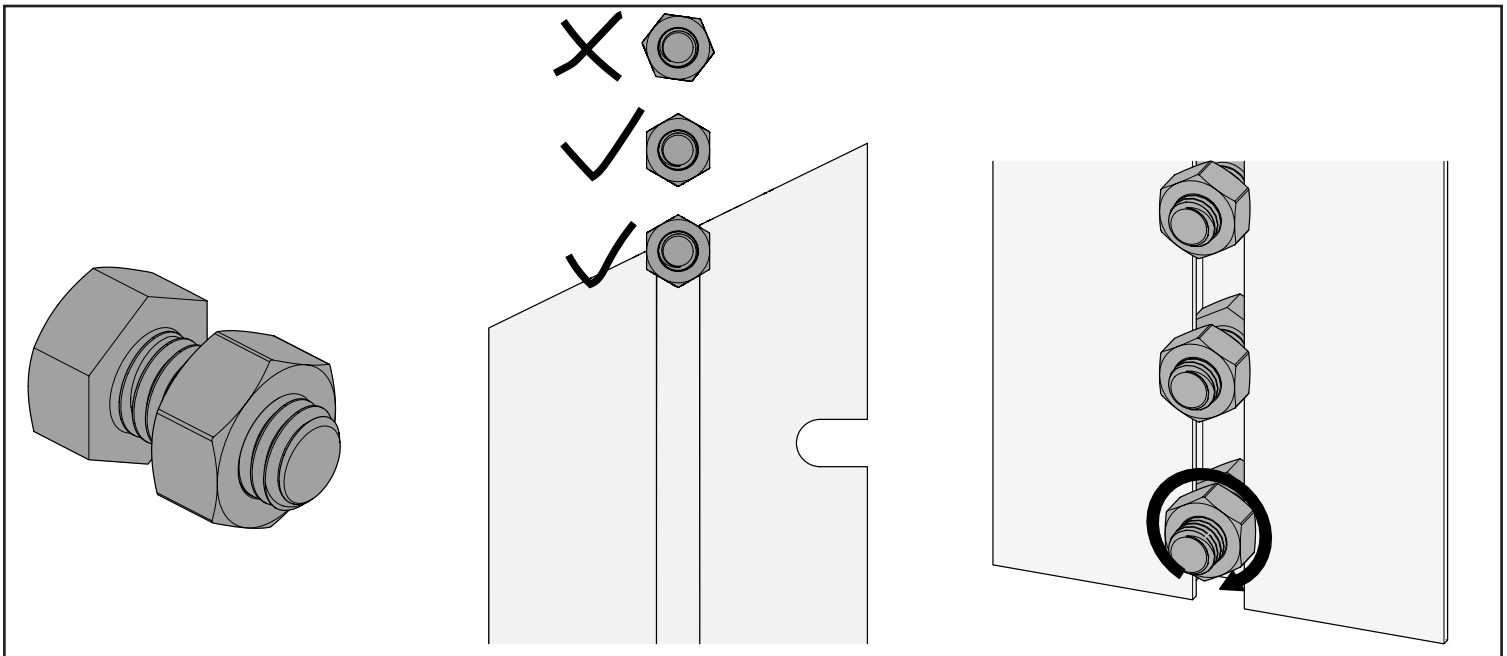
Panel Channels: Identified by a diamond shape with "P". Designed for sliding panels into place.



Aluminum Profile Sectional View with empty channels

Aluminum Profile Sectional View with bolts and panels slided into channels

WORKING WITH BOLTS AND ALUMINUM PROFILES:



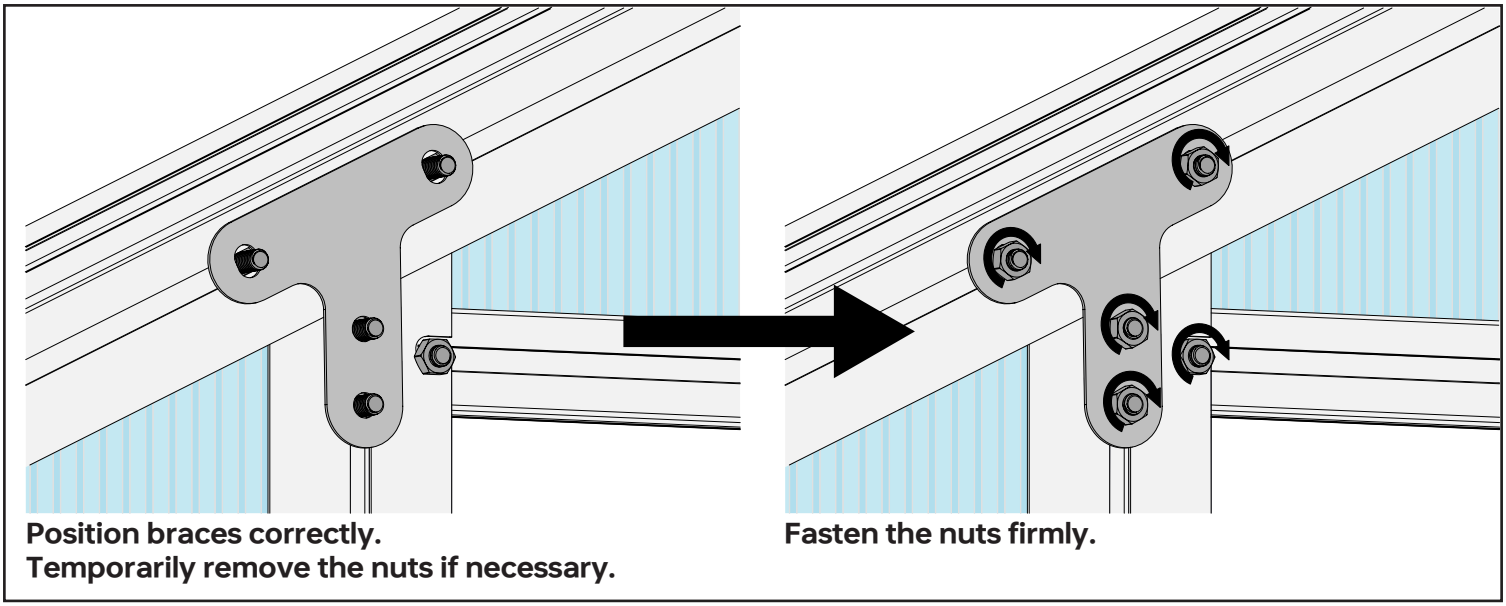
Prewind nut onto bolt a couple of turns.

Align bolt head to parallel its edges to the channel.

Fasten the nut on the lowest set to prevent bolts falling out.

Preparing the Bolts: Lightly thread the nuts onto the bolts a few turns before insertion. This will make it easier to secure them later.

Sliding Bolts into Channels: Align the edges of the bolt heads with the channels on the aluminum profiles and slide them into place.
Preventing Bolts from Falling Out: When placing the profiles vertically, the bolts may have a tendency to slide out. To prevent this, tighten the nut on the lowest bolt set to secure them in place.
Number of Bolts Required: Refer to the specific instructions for each step to determine the correct number of bolts needed.



Position braces correctly.
Temporarily remove the nuts if necessary.

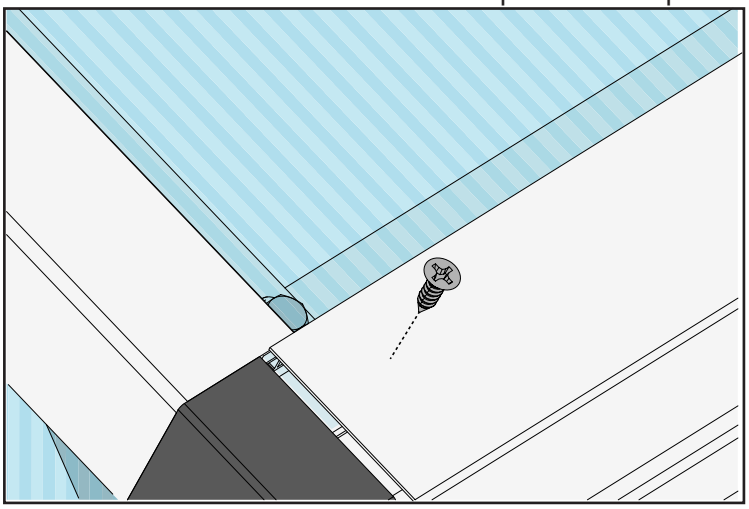
Fasten the nuts firmly.

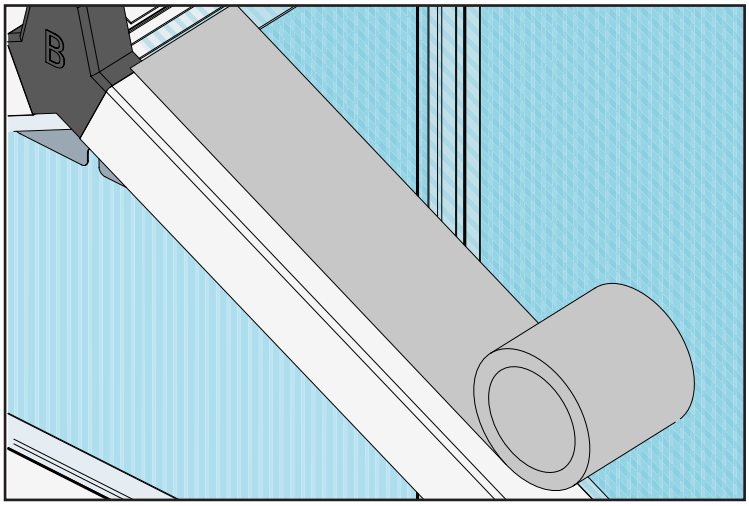
Position parts like braces or aluminum profiles correctly. Temporarily remove the nuts if necessary. Then fasten the nuts firmly.

SLIDING PANELS INTO CHANNELS:
Important: The protective film on the panels makes them slightly thicker than the channel. As stated before, partially peel off the film along the edges before sliding the panels in.

ENHANCING GREENHOUSE STABILITY:

Use the extra F5 screws included in the package to further secure the panels to the aluminum profiles for increased stability. Additionally, tuck tape or other suitable tapes (not included) can be used to reinforce the connection between panels and profiles.

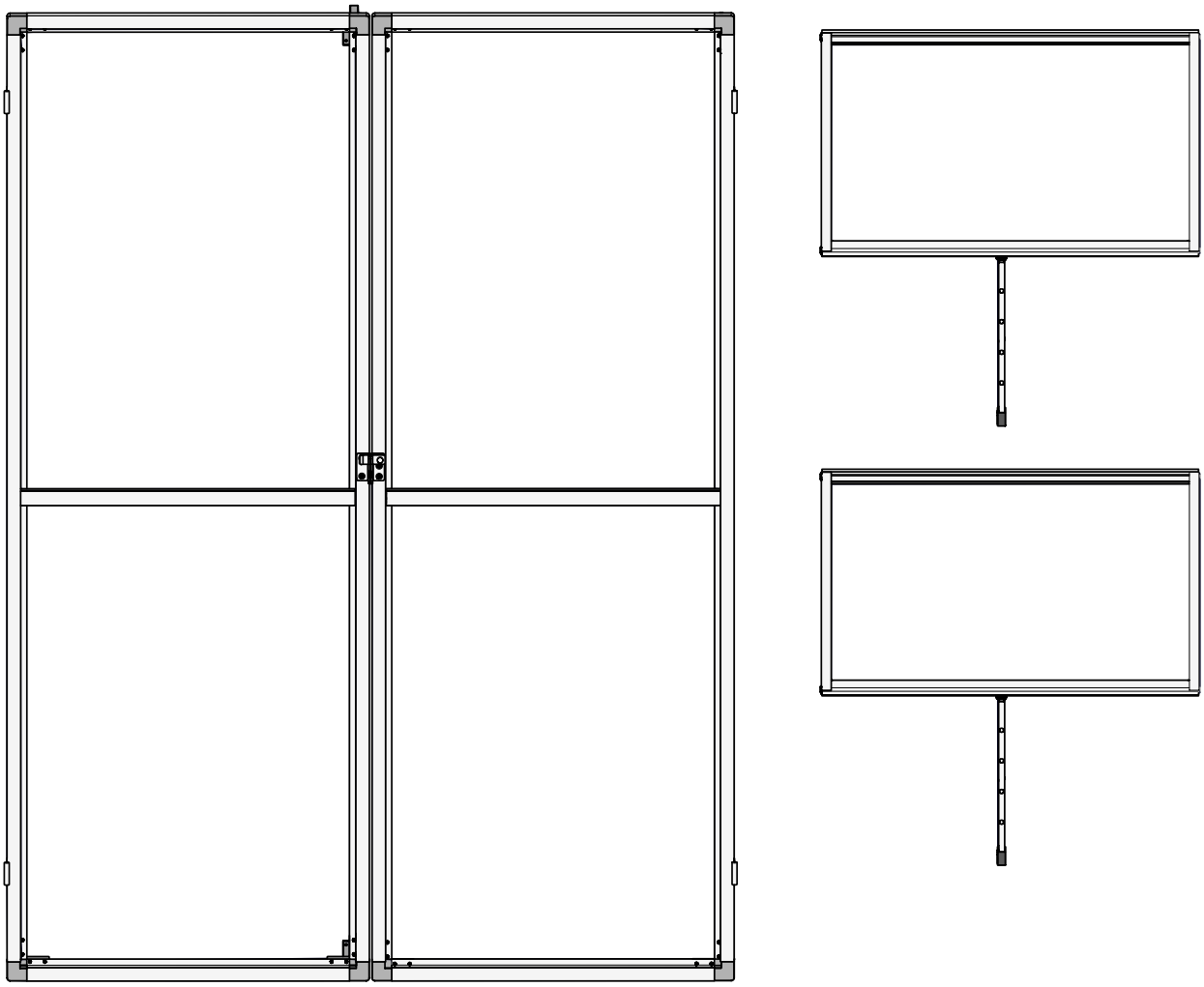


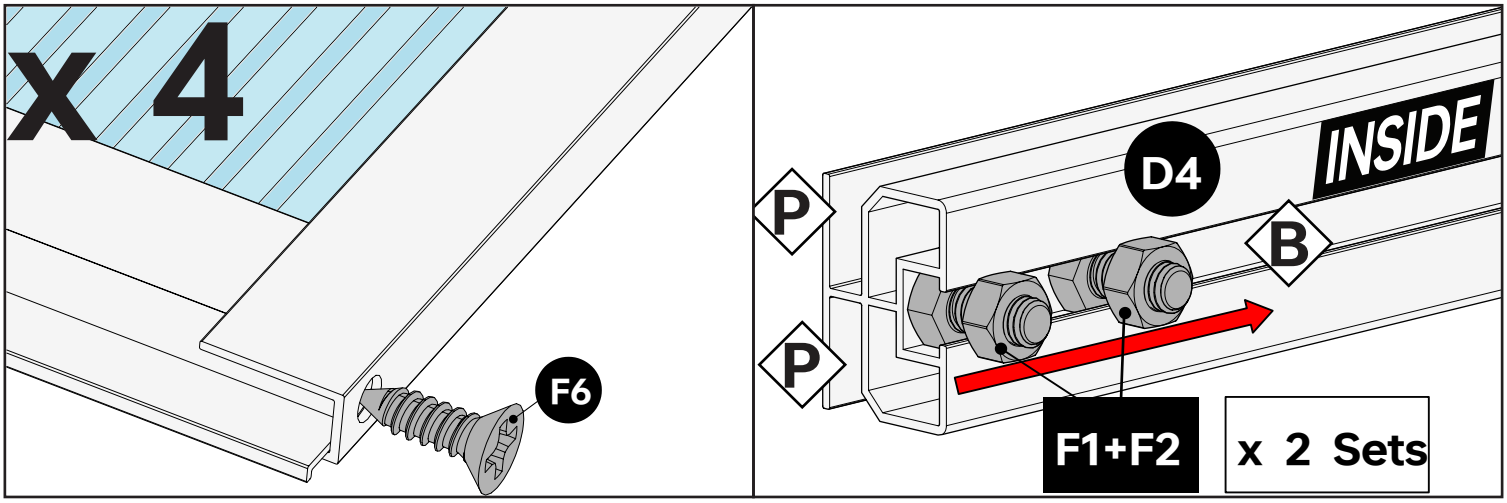


CARE AND MAINTENANCE

Post-Assembly Cleaning: After assembly, clean the greenhouse surfaces with warm water, mild detergent, and a soft sponge or cloth to remove any debris or residue.
Preventing Snow Damage: Regularly remove snow from the roof after each snowfall to prevent excessive weight buildup and potential damage.
Avoiding Hazardous Storage: Do not store items such as recently used grills, blowtorches, paint, or other potentially hazardous materials inside the greenhouse.

04 Windows and Doors





NOTE

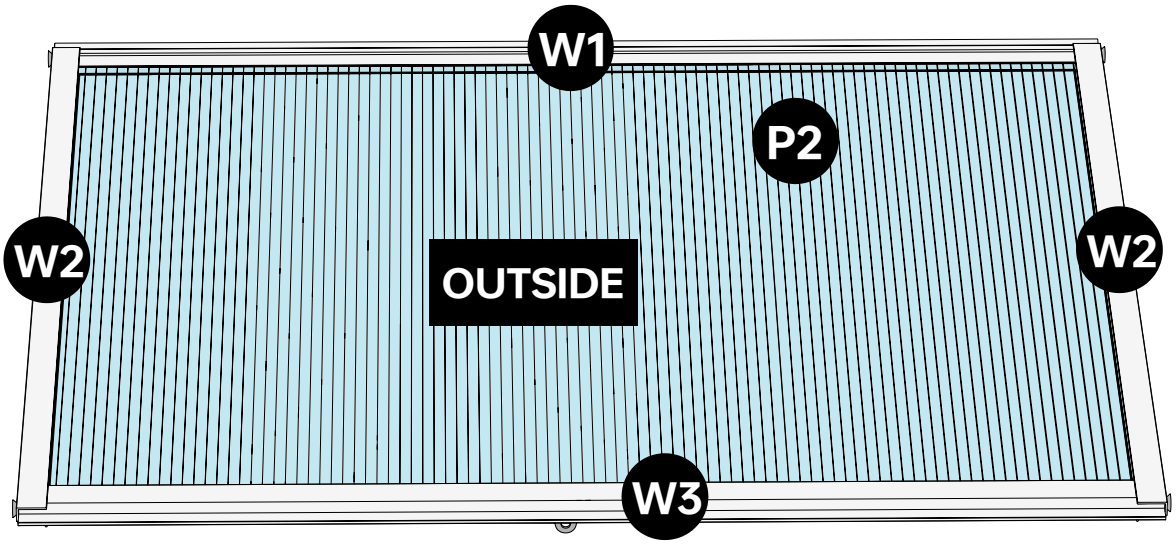
Understanding Repetition Symbols:

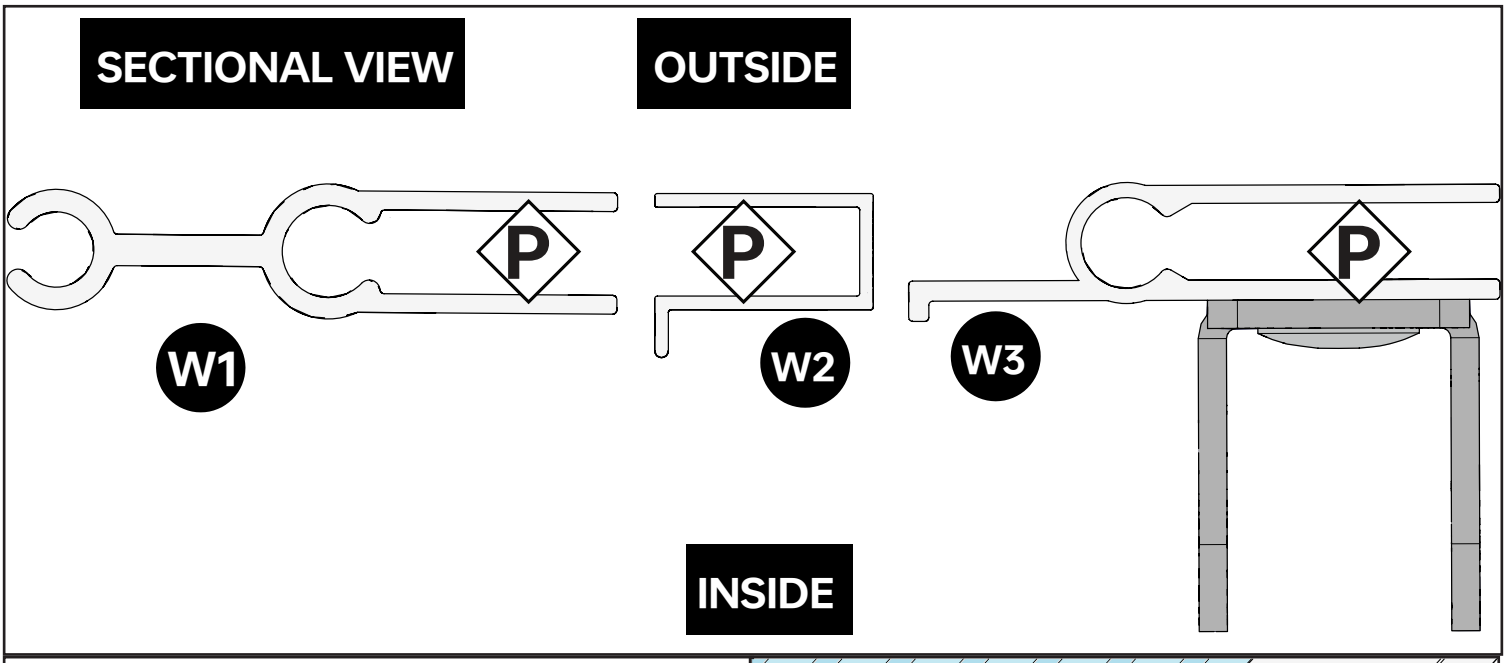
x [number]: This indicates the number of times you need to repeat a step or sub-step (e.g., x 4 means repeat the step four times).

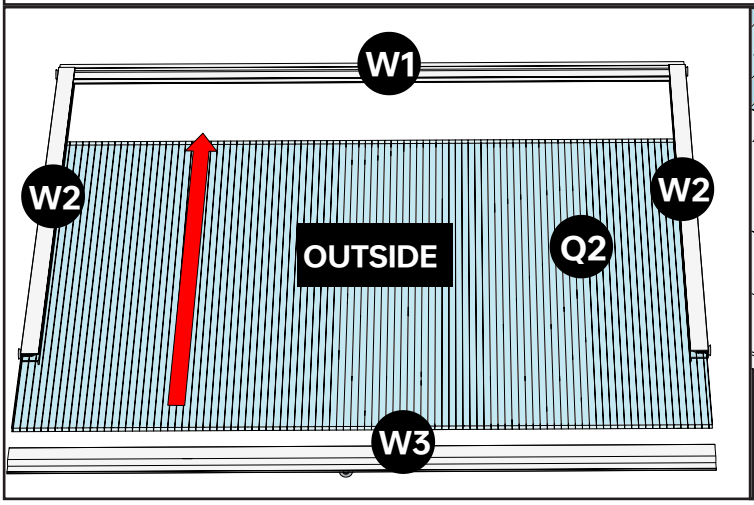
[Part Number(s)] x [number] Sets: This indicates the number of sets of the specified parts required for a step or sub-step (e.g., F1+F2 x 2 Sets means you'll need two sets of parts F1 and F2).

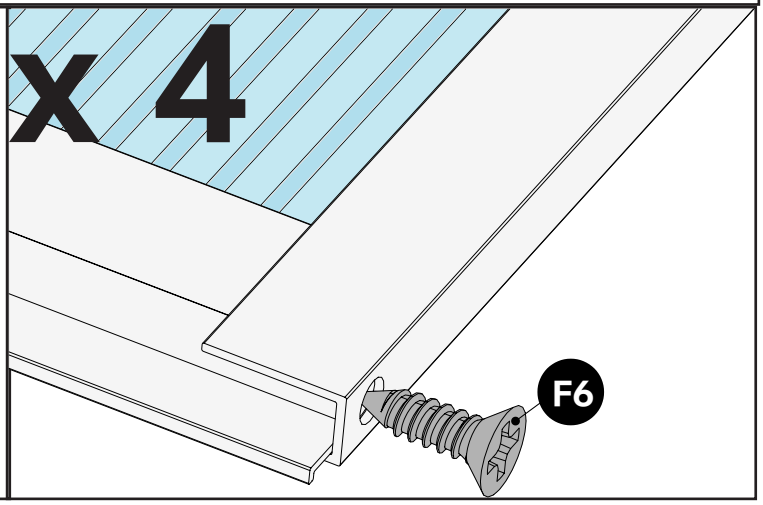
Part	Qty
W1	2
W2	4
W3	2
P2	2
F6	8

1









NOTE

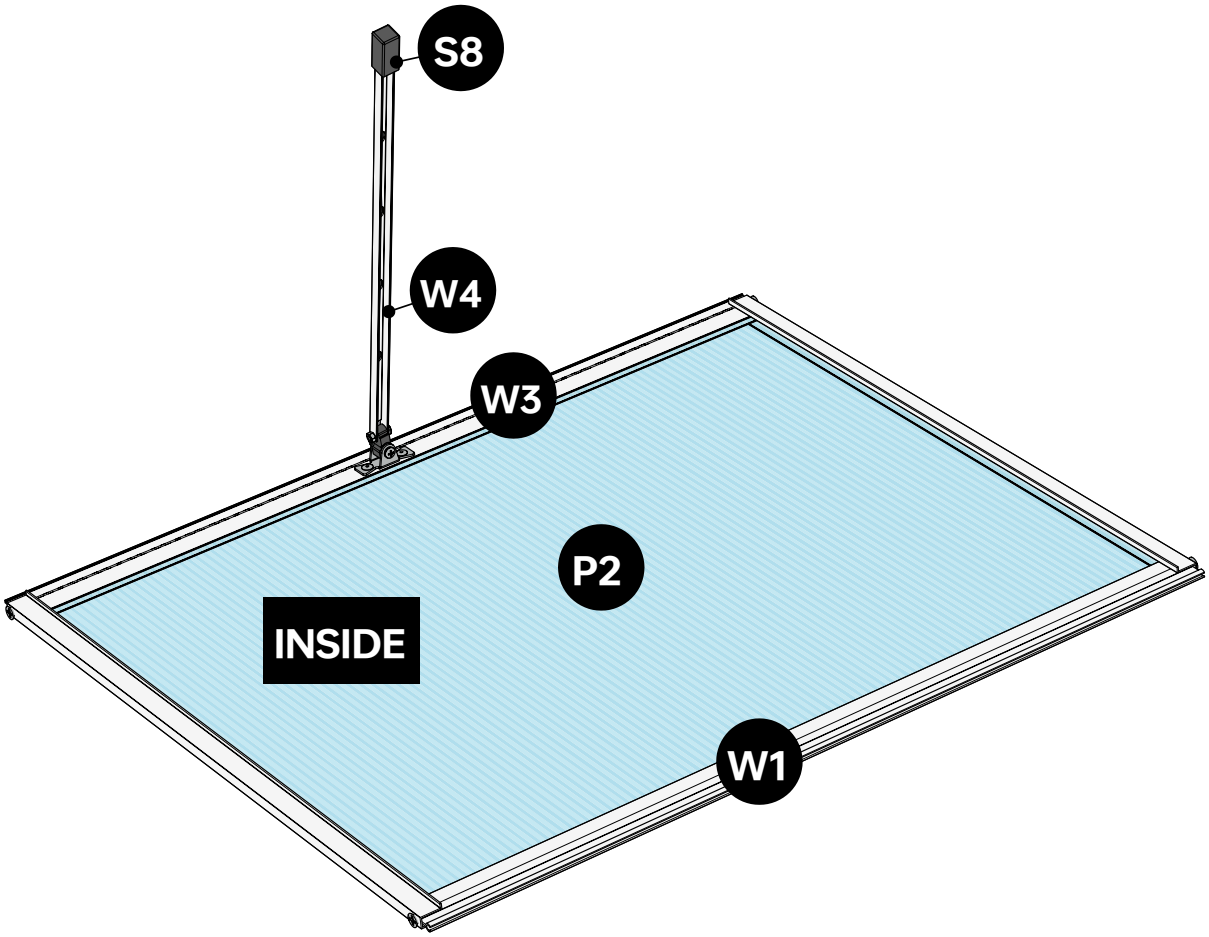
Matching Part and Greenhouse Orientation: Pay close attention to the outside/inside markings on parts. These markings should always align with the outside/inside of the greenhouse for proper installation.

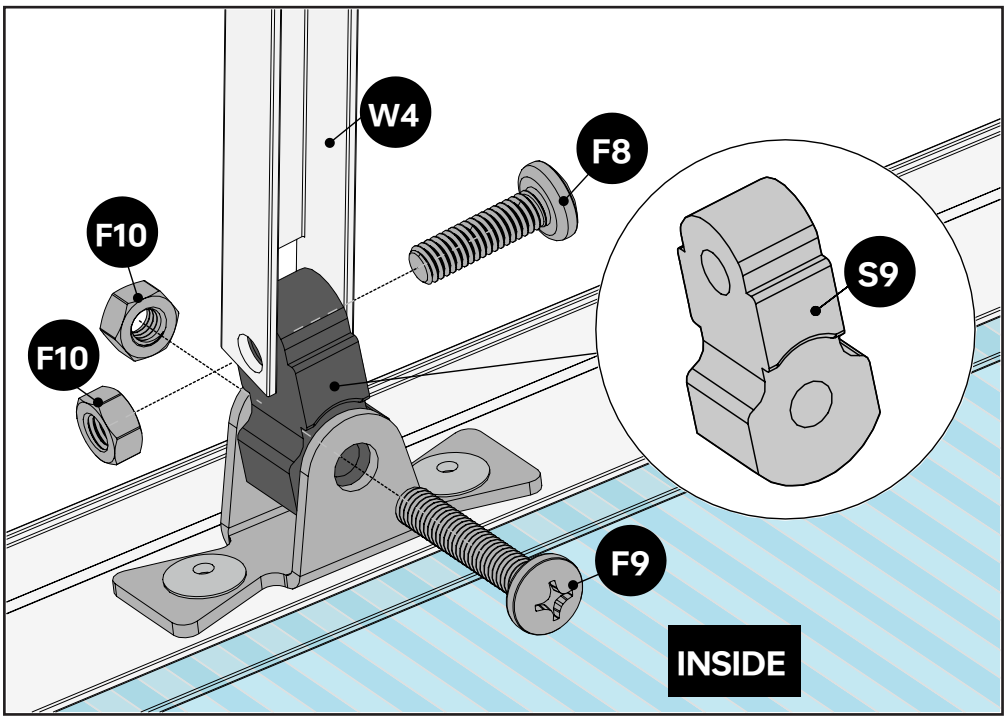
Flexibility with Part W1: Part W1 has a symmetrical design, so you can use either side as the outside or inside.

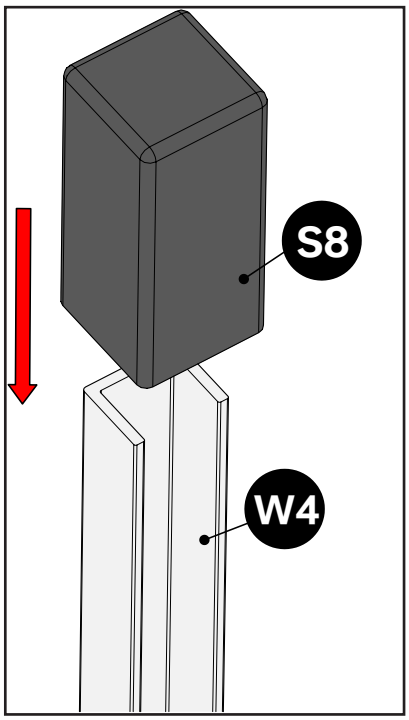
Completing Both Window Sets: This step outlines the assembly of one set of windows. You'll need to repeat these instructions to create a second, identical set for your greenhouse.

2

Part	Qty
W4	2
S8	2
F8	2
F9	2
F10	4
S9	2





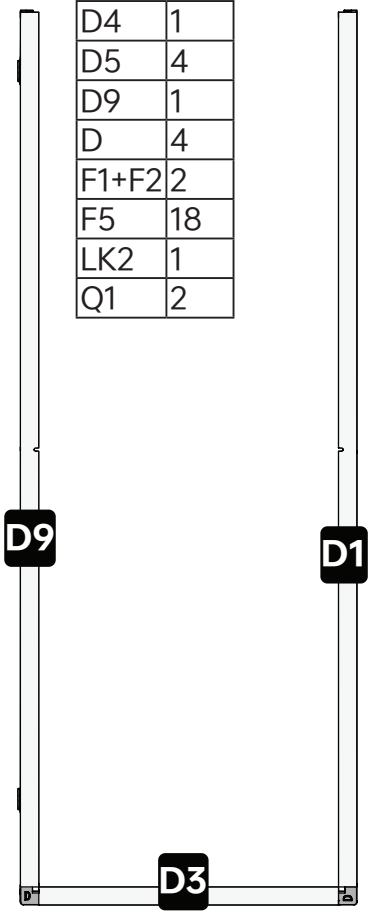


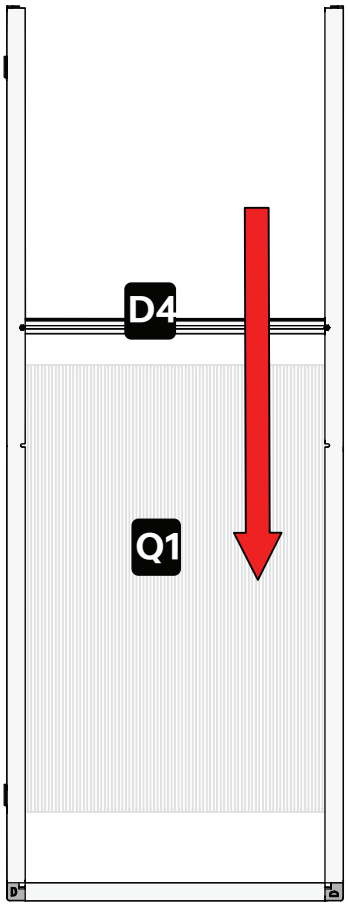
NOTE

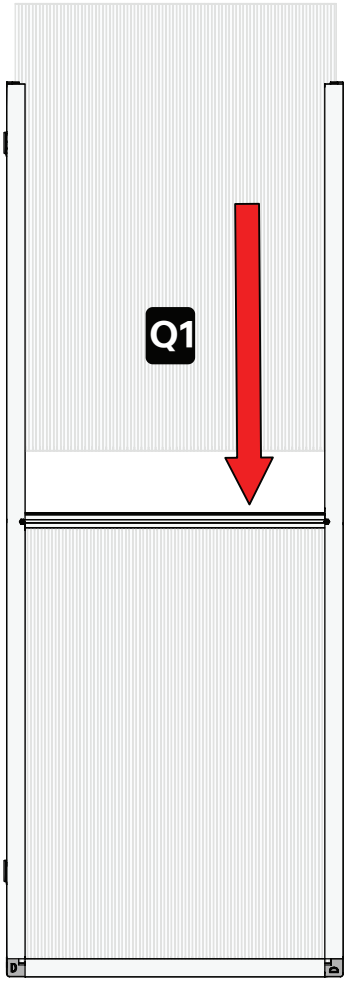
Identifying the Inside: These three diagrams depict the interior view of the window assembly.
Allowing for Rotation: When tightening the two F10 nuts, avoid overtightening. Parts S9 and W4 need to be able to rotate freely for proper functionality.
Completing Both Window Sets: This step outlines the assembly of one set of windows. Remember to repeat these instructions to create a second, identical set for your greenhouse.

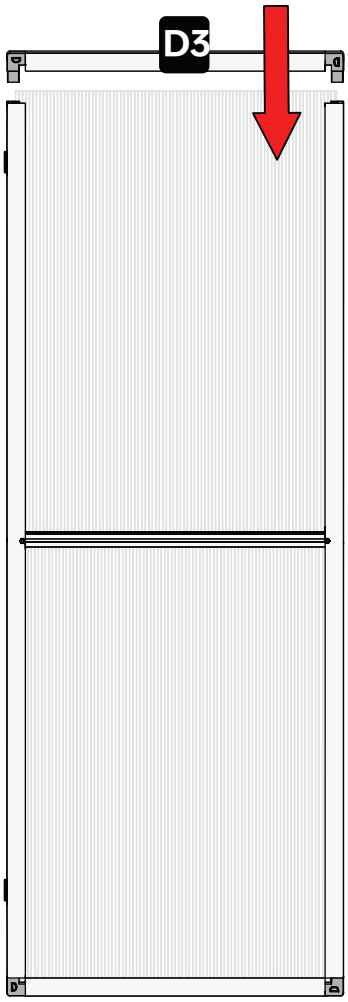
Part	Qty
D1	1
D3	2
D4	1
D5	4
D9	1
D	4
F1+F2	2
F5	18
LK2	1
Q1	2

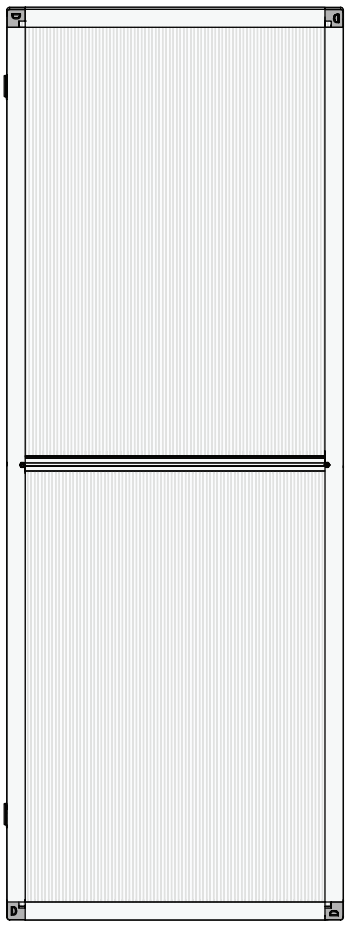
INSIDE





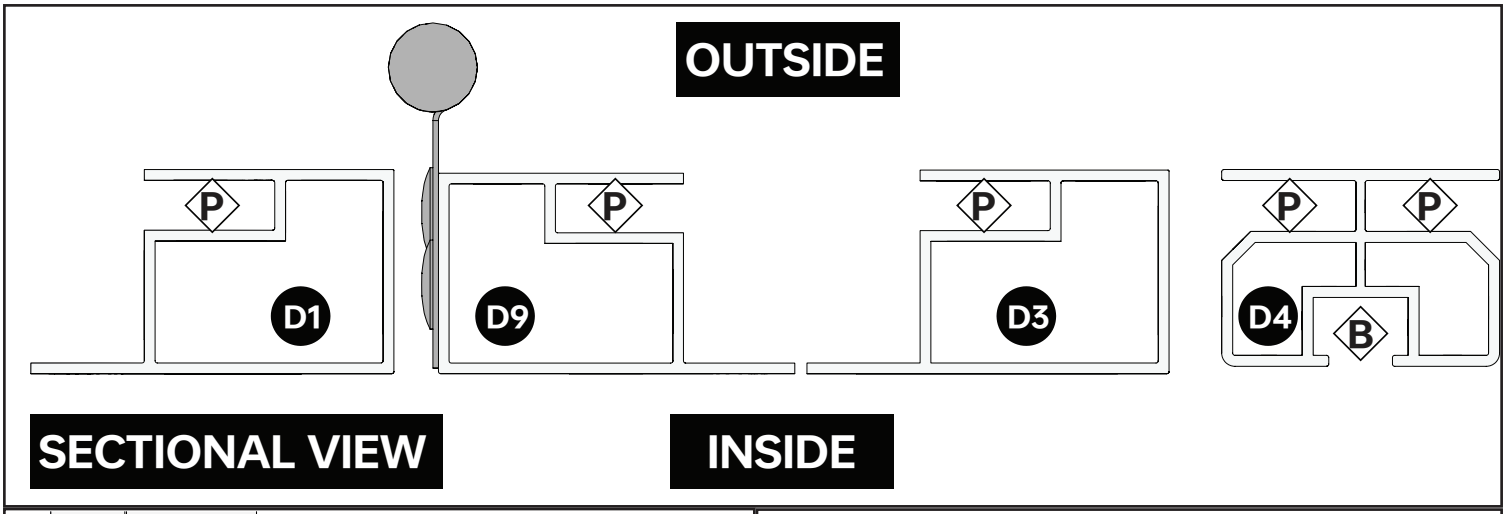


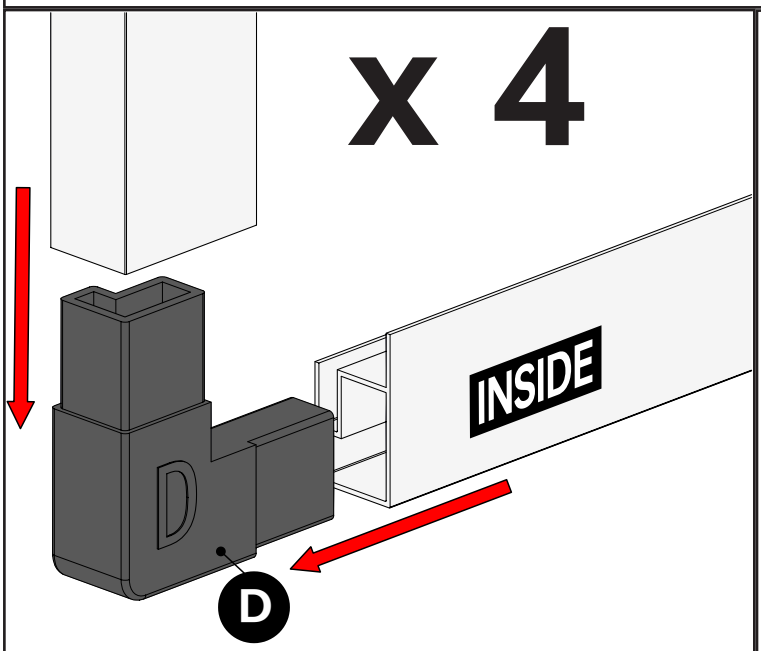


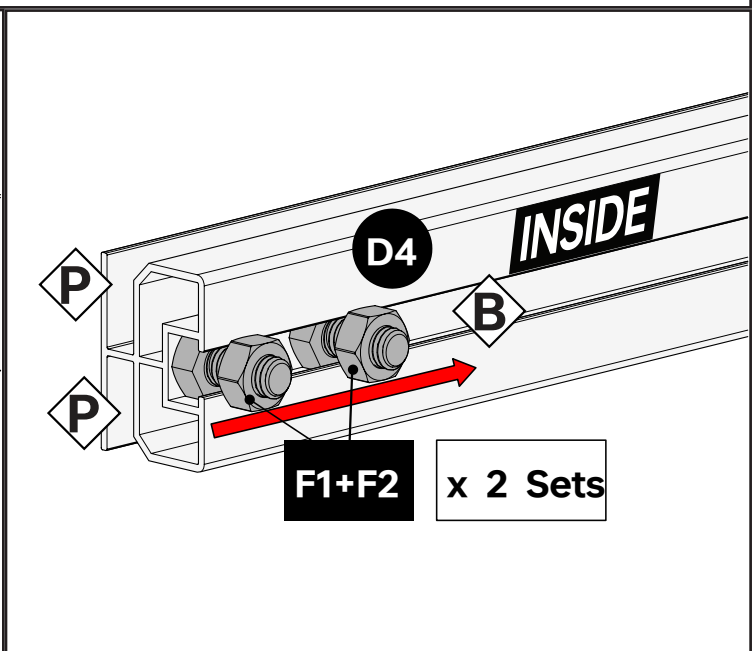


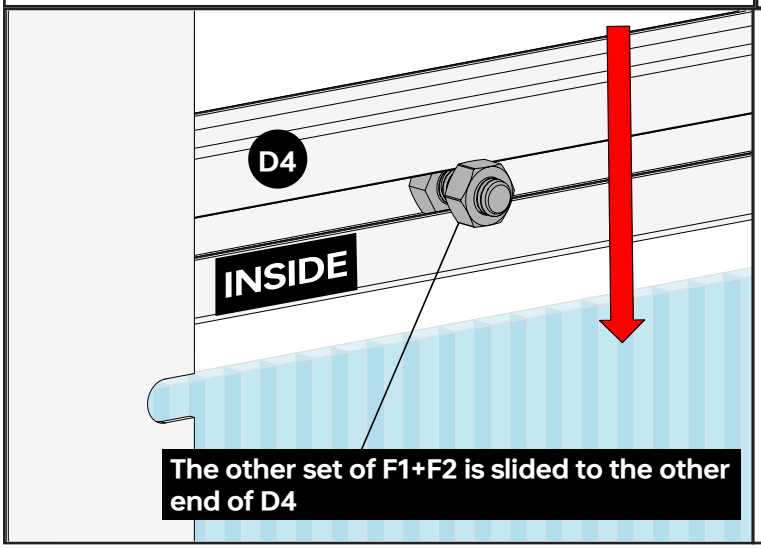
NOTE

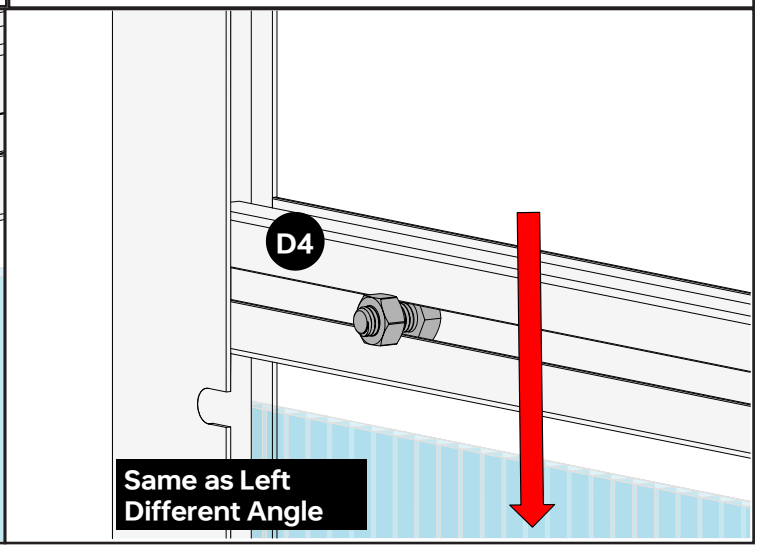
Interior Perspective: The illustration shows the inside view of the right door.
Next Steps: Please turn to the next page to continue with the assembly instructions for the right door.











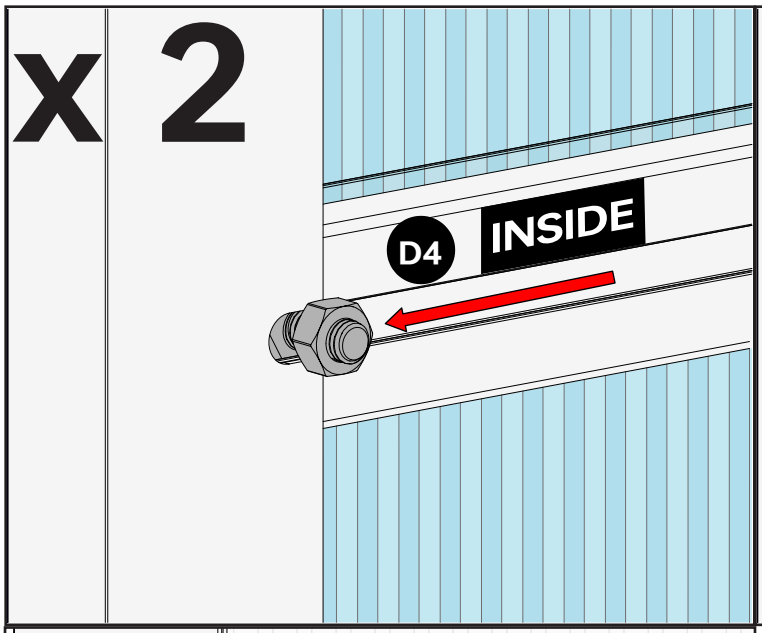
NOTE

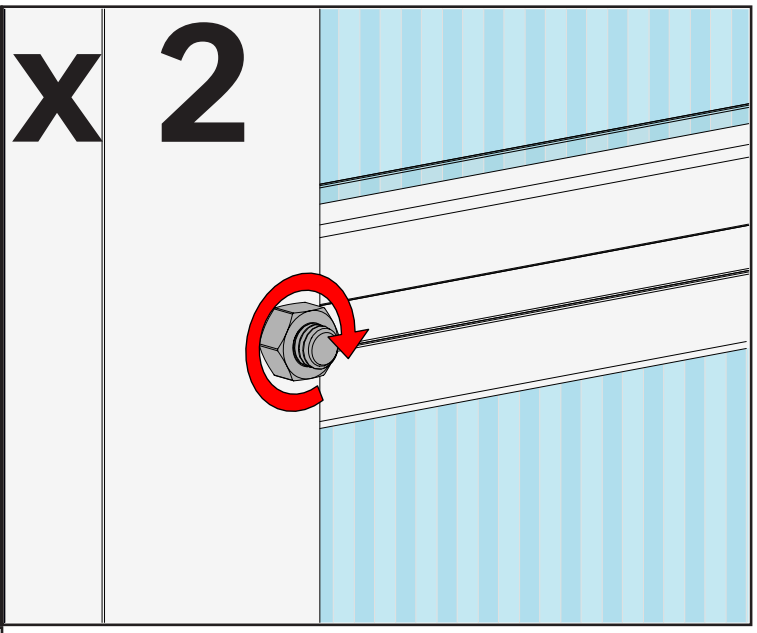
CONNECTING PARTS D4, D1, AND D9:

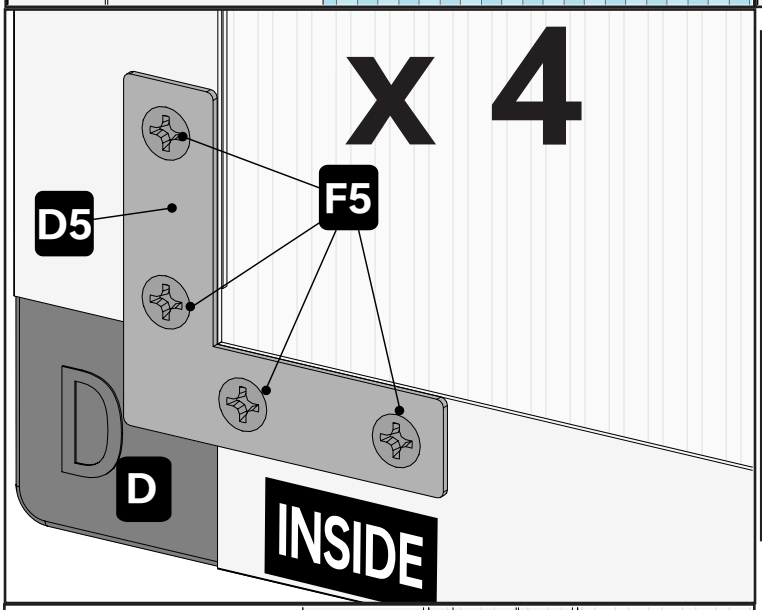
Preparing D4: Slide two sets of F1+F2 into the designated bolt channel on part D4.

Connecting with D1 and D9: Identify the semicircle openings on parts D1 and D9. Align these openings with the F1+F2 sets on part D4 and insert the sets through the openings. Securely tighten the nuts.

Please turn to the next page to continue with the assembly instructions for the right door.



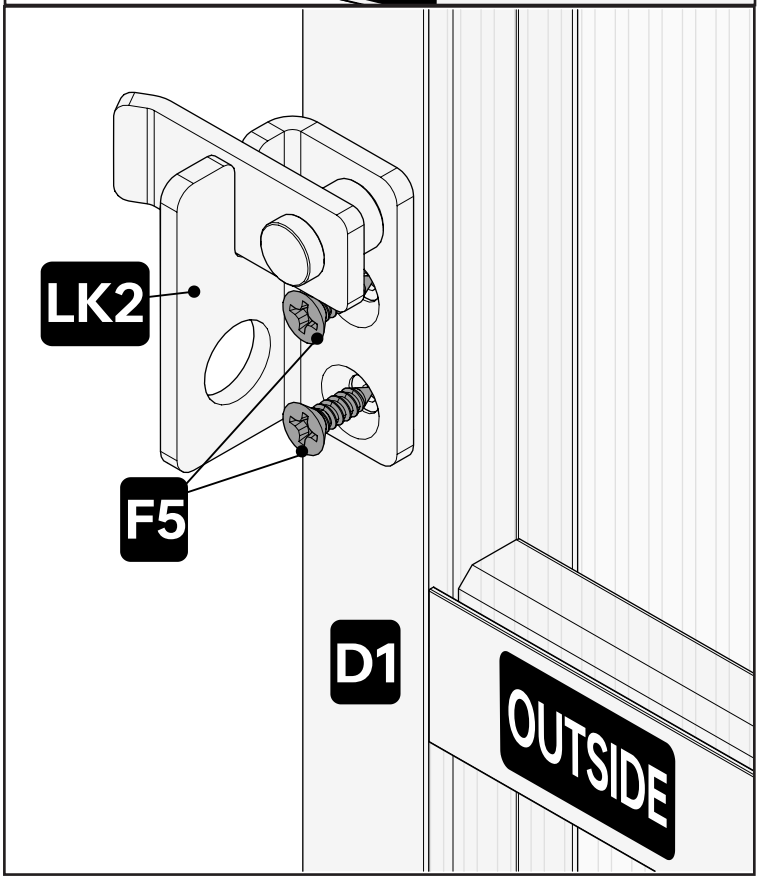




Note

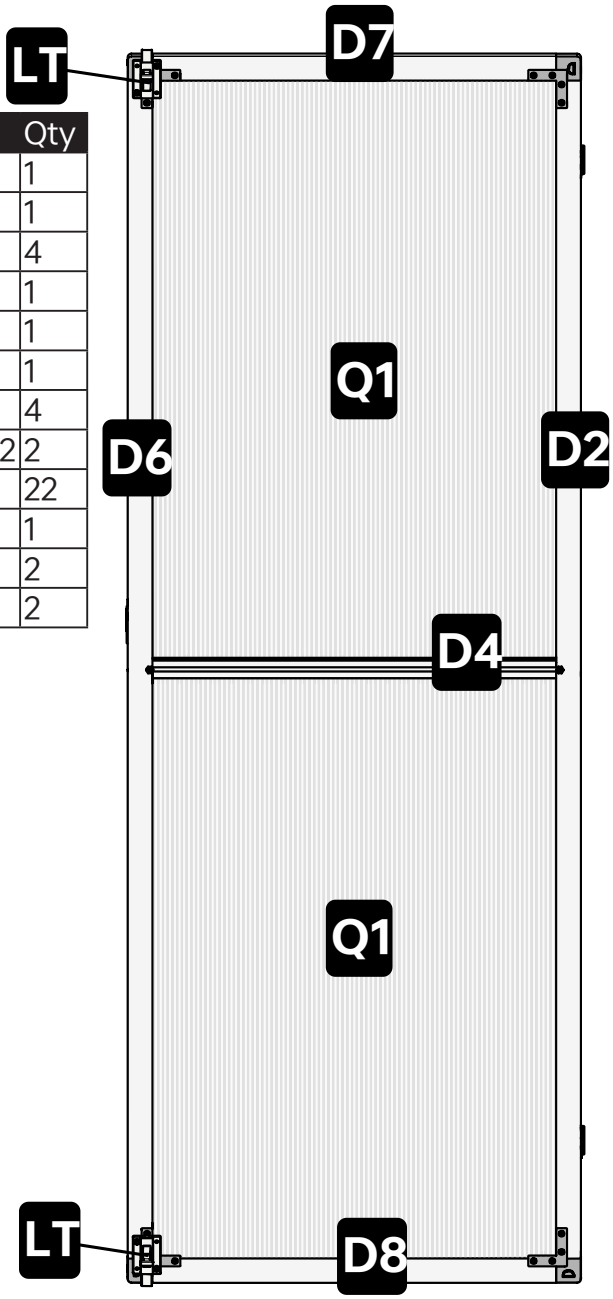
When attaching bracket D5, you'll notice there are no pre-drilled holes on parts D1/D9/D3. The aluminum D frames are designed to be screwed into directly.
Caution: Avoid driving the F5 screws through the plastic part D.

Placement of LK2: Part LK2 is attached to the outside of part D1.
Packaging of LK1 and LK2: While shown separately in the manual, LK1 and LK2 are packaged together as a single unit labeled "LK."

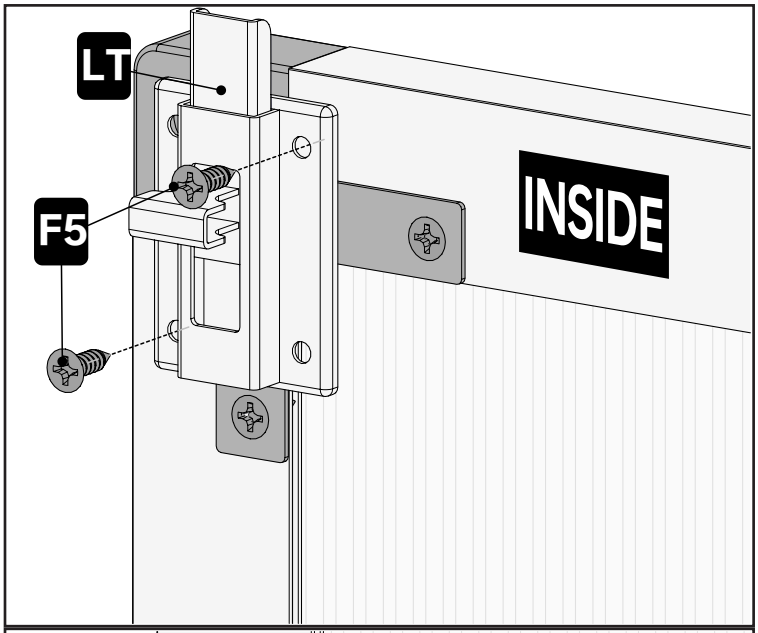


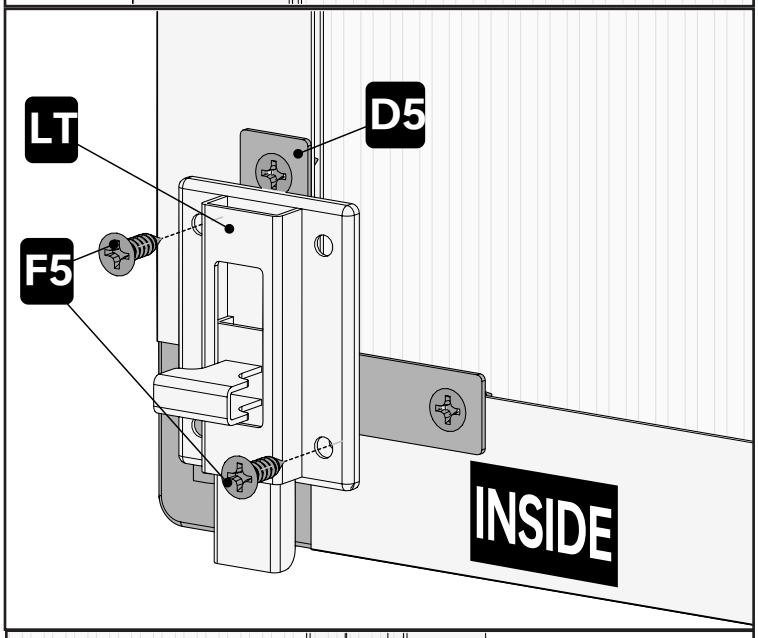
4

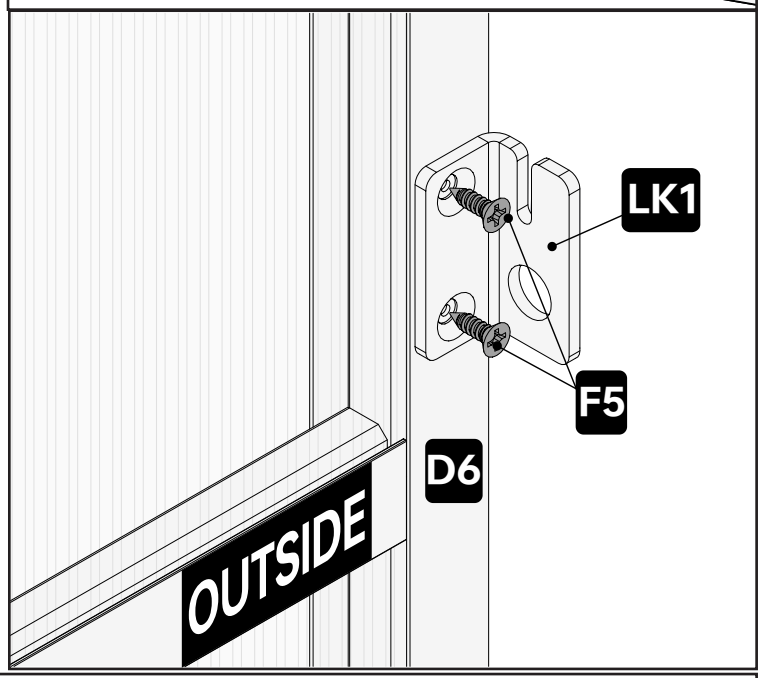
INSIDE



Part	Qty
D2	1
D4	1
D5	4
D6	1
D7	1
D8	1
D	4
F1+F2	2
F5	22
LK1	1
LT	2
Q1	2





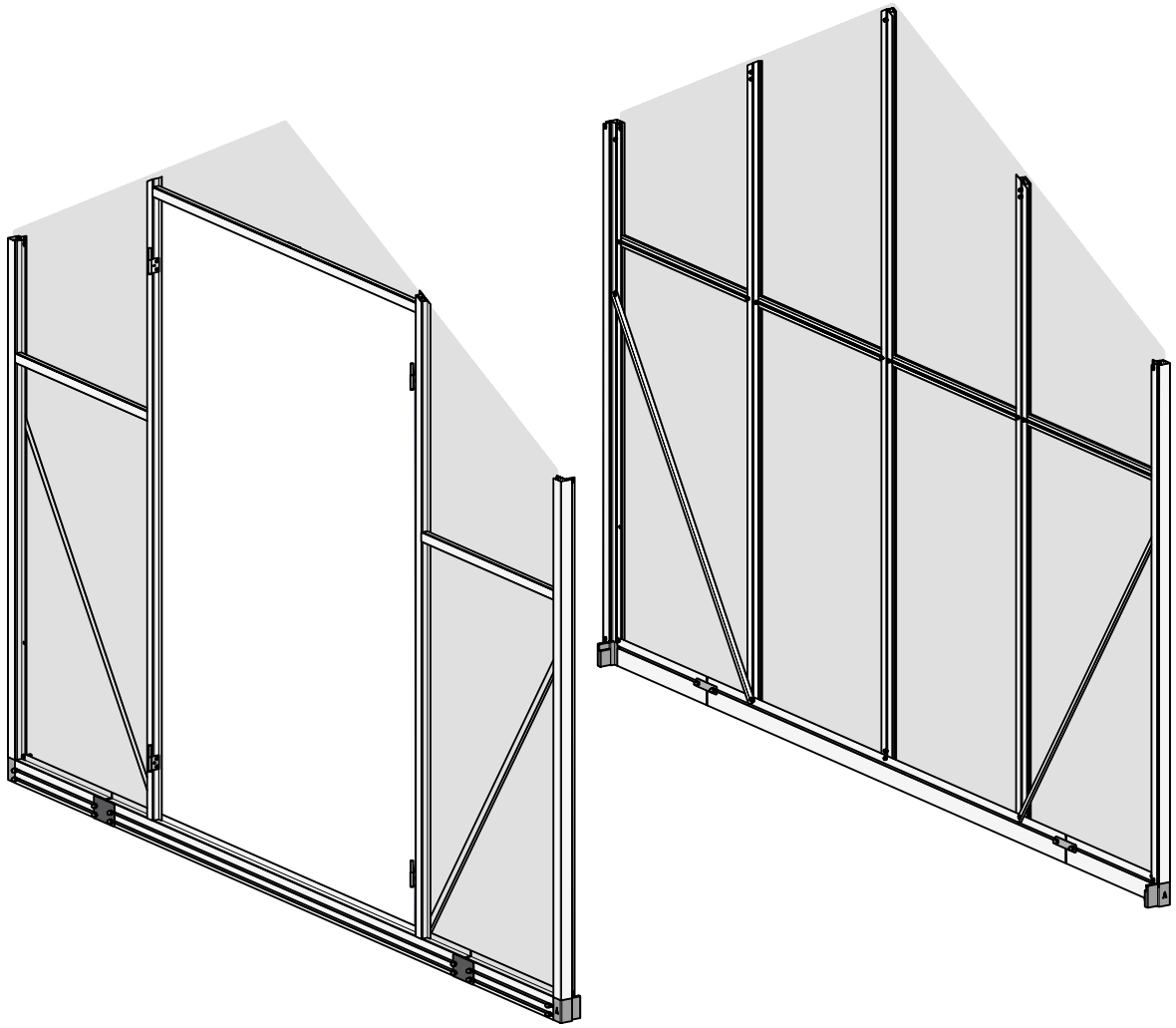


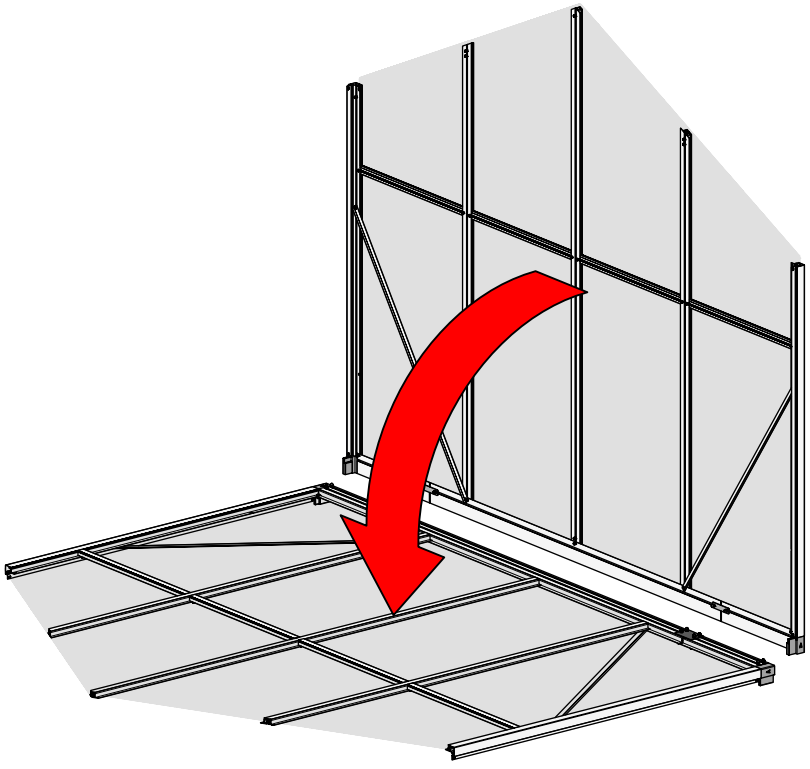
Note

Placement of LT: Position LT on top of D5 when attaching it to the door.
Screw Hole Alignment: Align the two pre-drilled holes on the D frame with the corresponding holes on LT. Only these two holes on LT will be used.
Clearance for Screw Holes: Ensure D5 is not obstructing the pre-drilled holes intended for LT.

Symmetrical Design of LT: LT can be installed with either side facing up, as it has a symmetrical design.
Placement of LK1: Attach LK1 to the exterior side of D6.

05 Front and Back

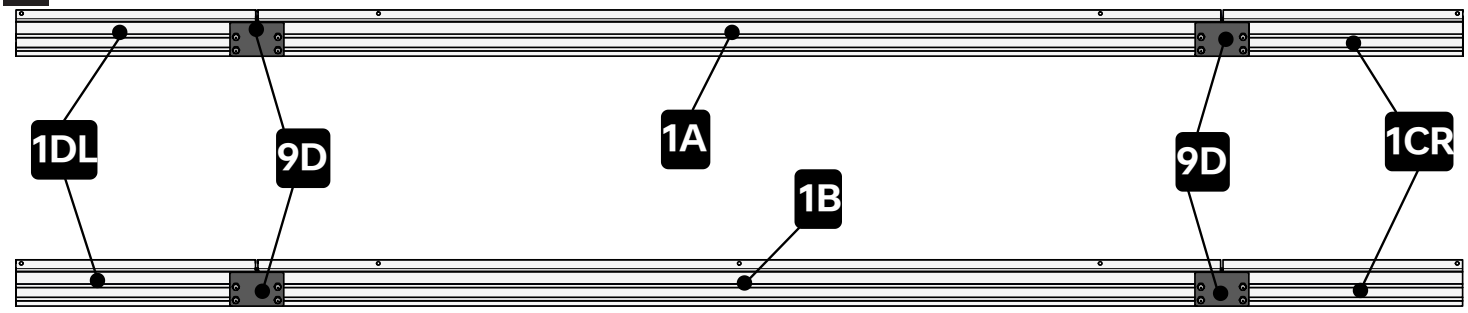




Note

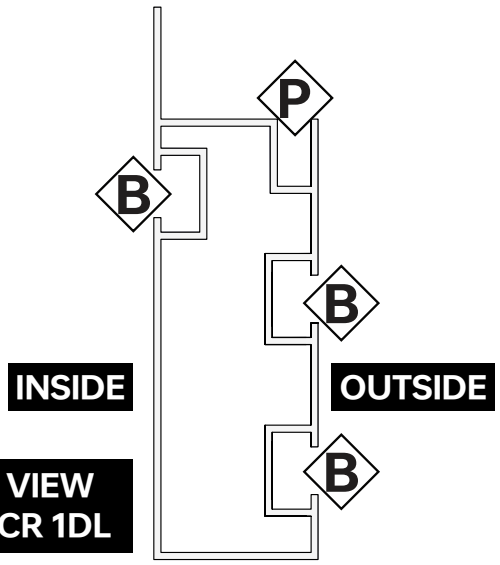
The following steps illustrate the assembly of the front and back structures in a vertical orientation. However, you can also choose to assemble these structures horizontally on the ground or a table for easier access. Once assembled, you can then lift them into their final vertical position.

1

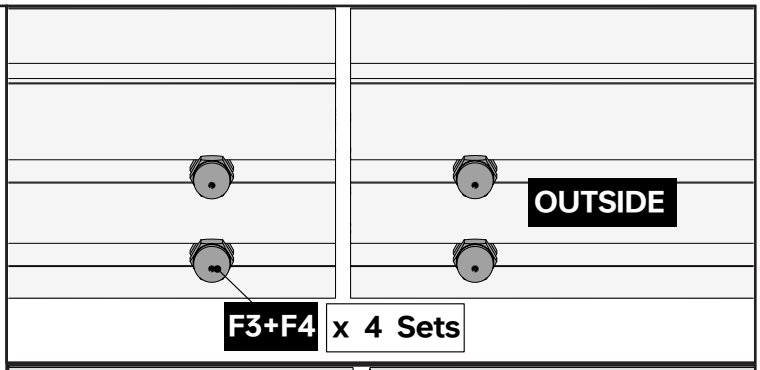


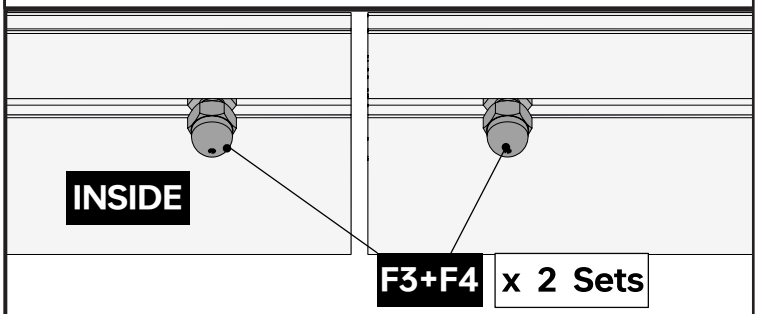
OUTSIDE

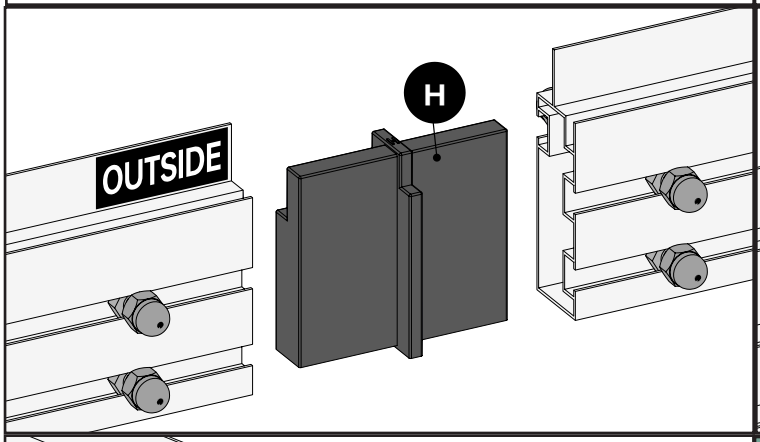
Part	Qty
1A	1
1B	1
1CR	2
1DL	2
9C	4
9D	4
F3+F4	24
H	4

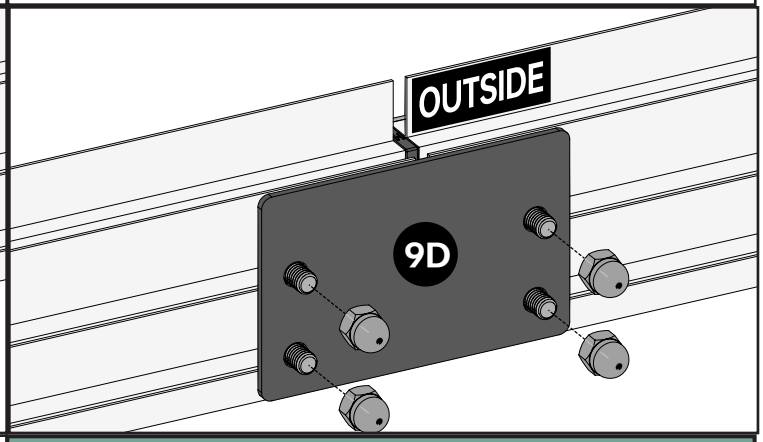


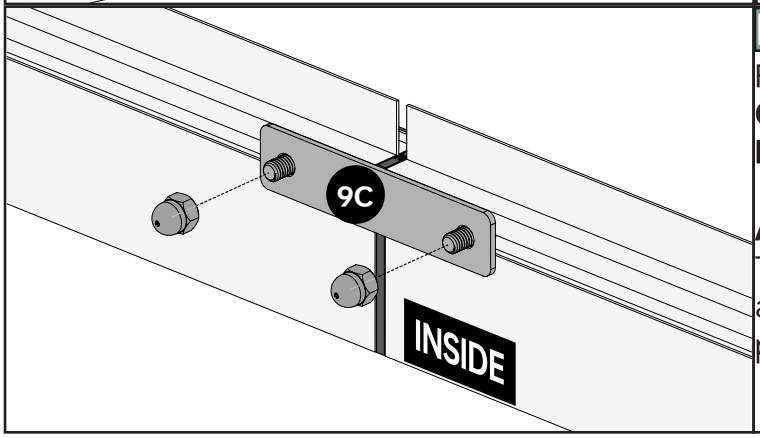
SECTIONAL VIEW FOR 1A 1B 1CR 1DL











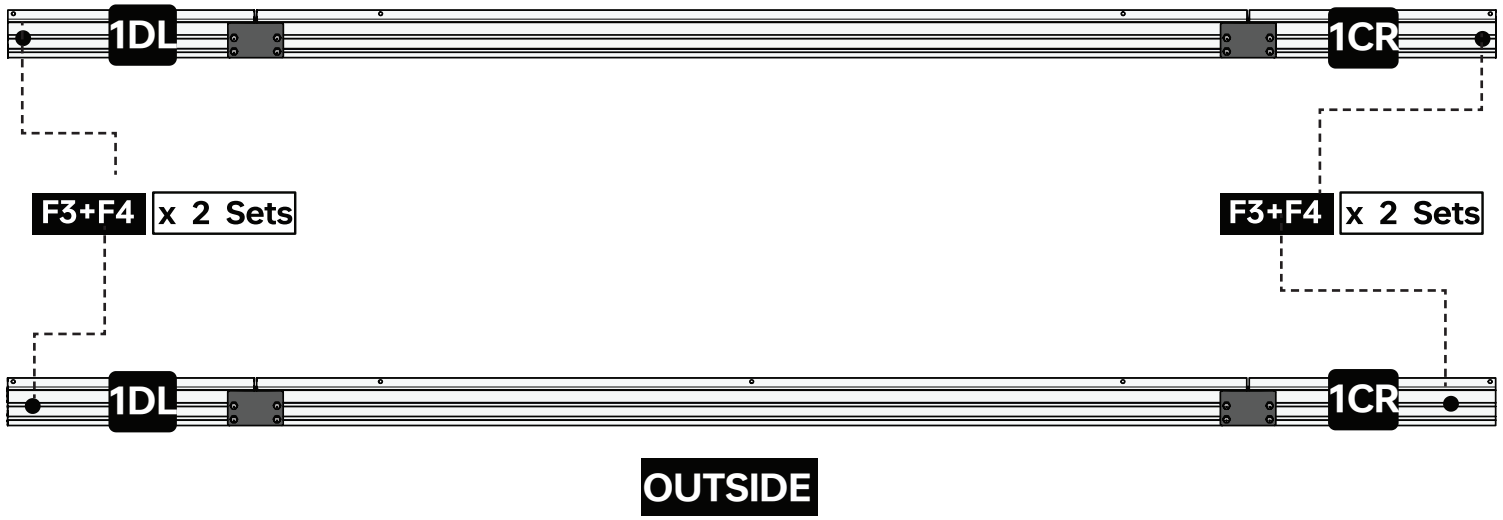
Note

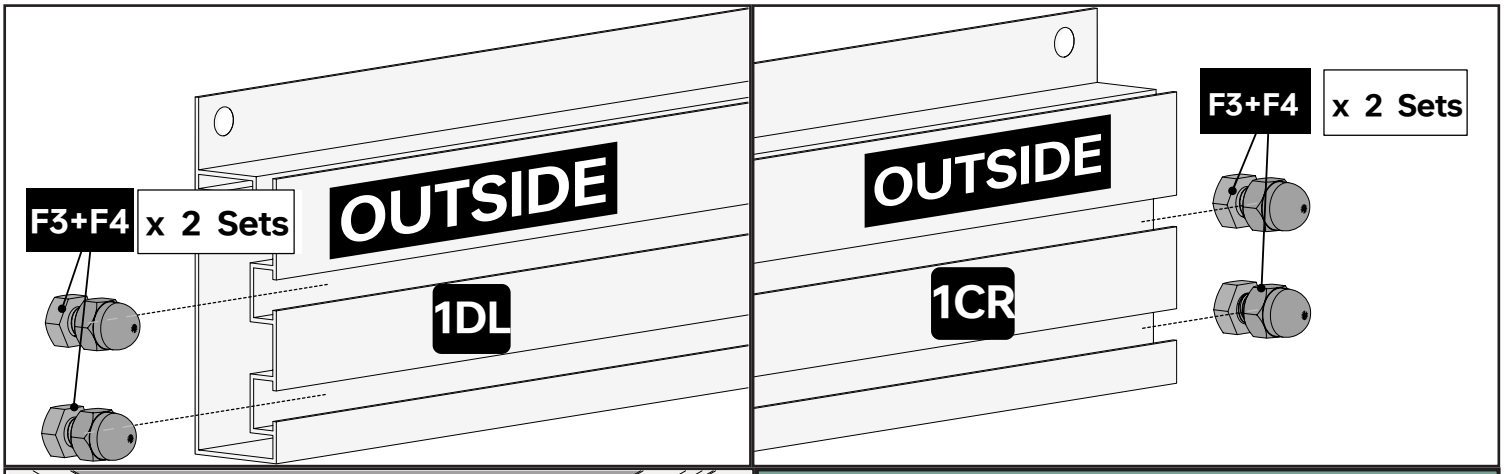
For **each** combination of 9C+9D+H:
Outside Bolt Channels: Insert four sets of F3+F4.
Inside Bolt Channels: Insert two sets of F3+F4.

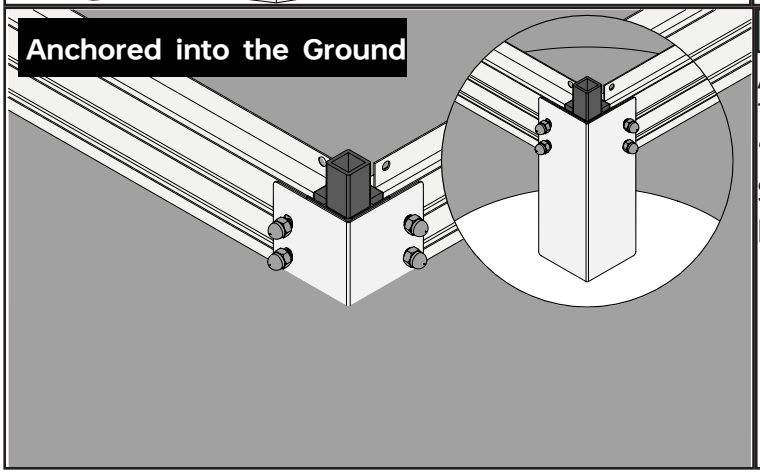
Attaching 9C and 9D (Tip for Easier Assembly): Temporarily remove the F4 cap before attaching 9C and 9D. Re-fasten the F4 cap after 9C and 9D are in place.

Optional Step

Part	Qty
F3+F4	8





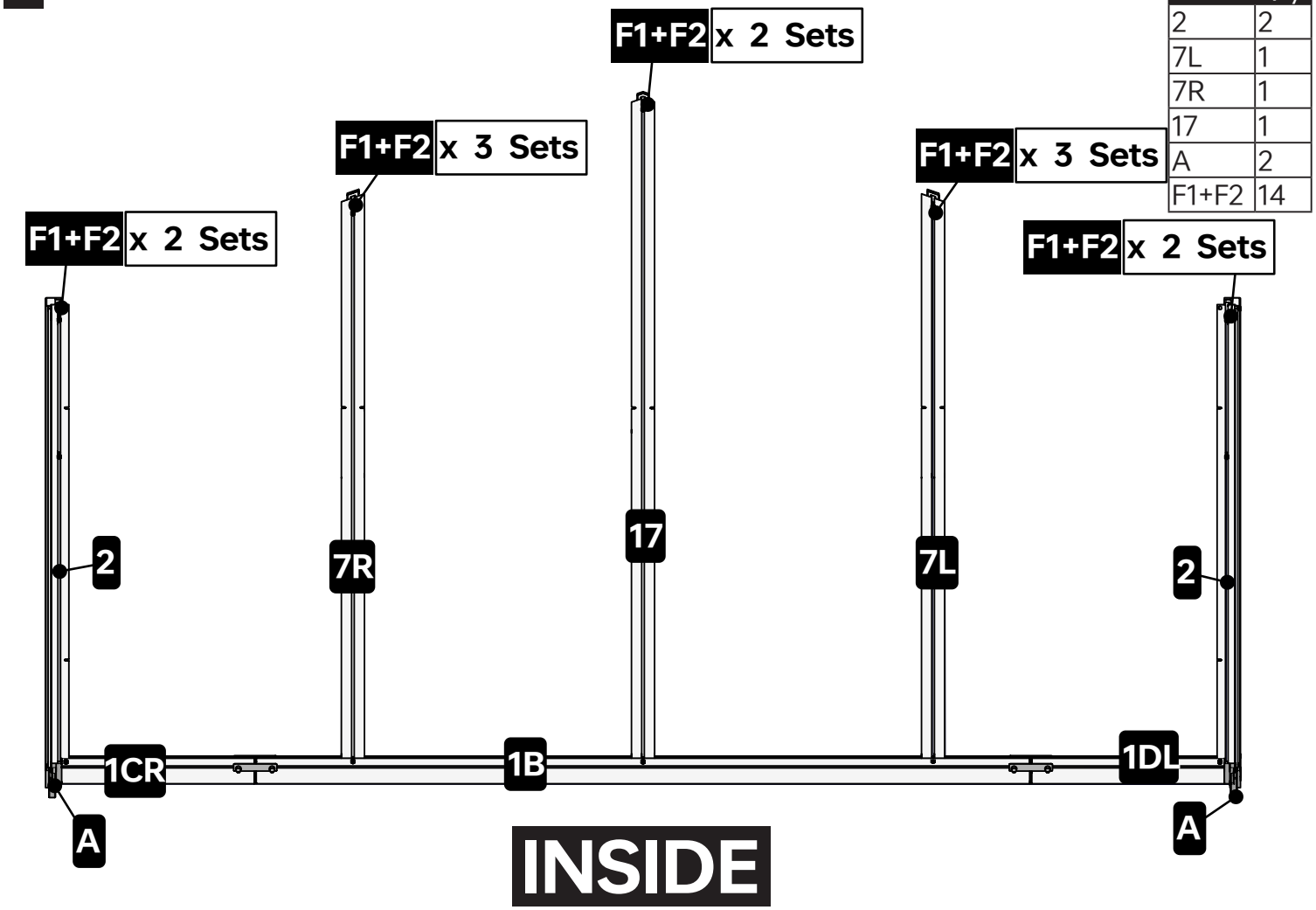


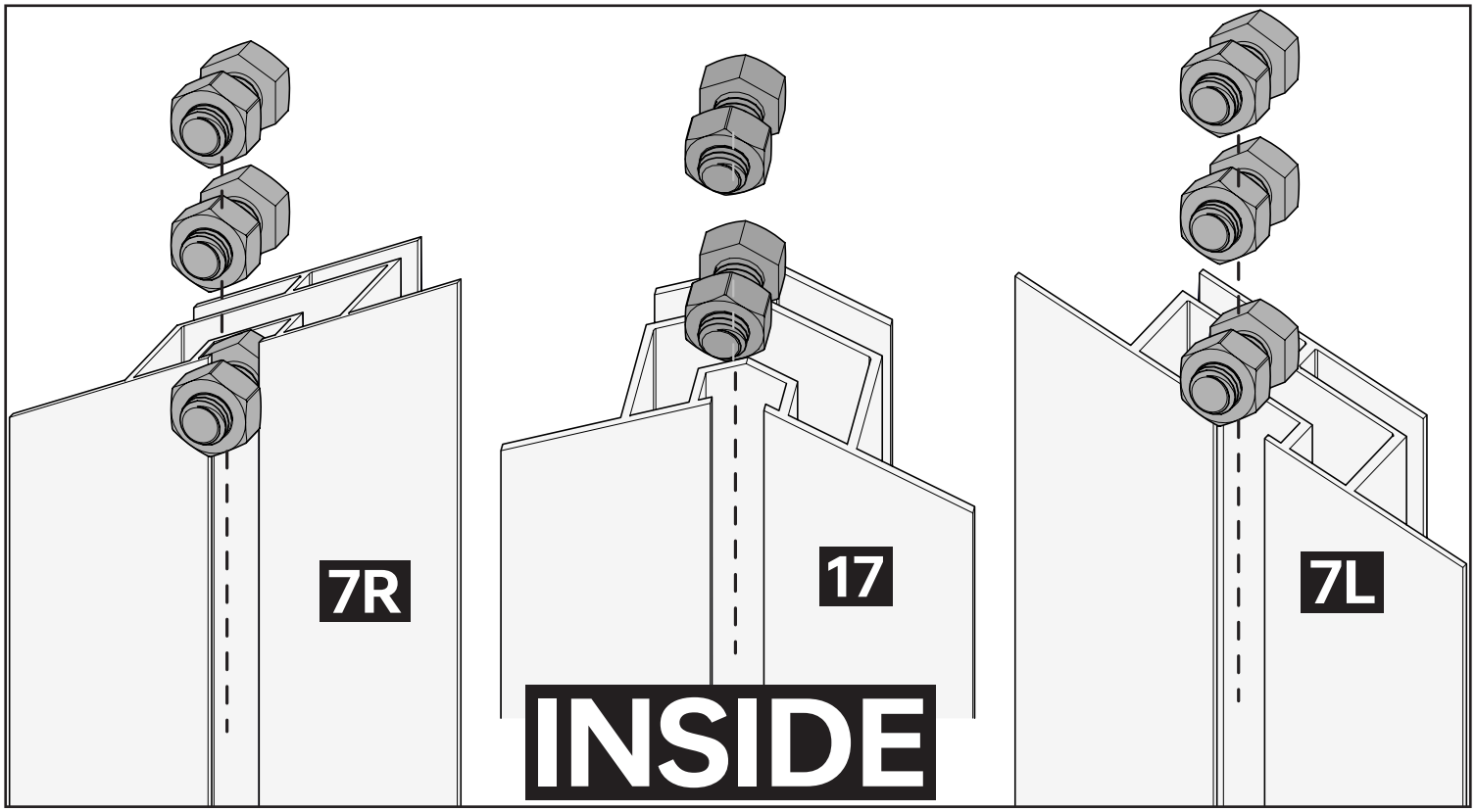
NOTE

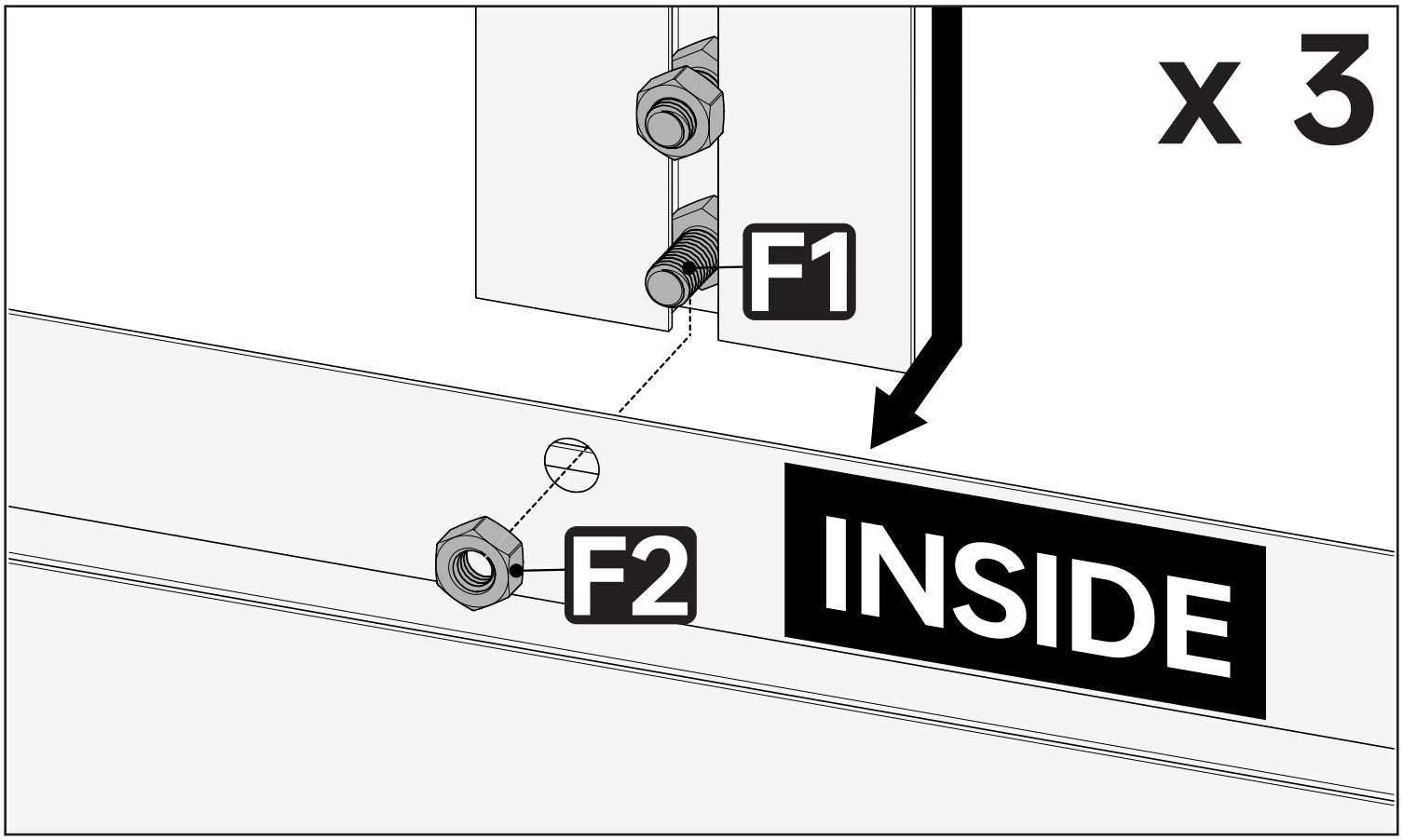
Anchoring to the Ground (Optional):
This step is only required if you've chosen the "**Anchored into the Ground**" foundation option. Skip this step if you're using a different foundation. Foundation options are detailed in a later section.

2

Part	Qty
2	2
7L	1
7R	1
17	1
A	2
F1+F2	14







Note

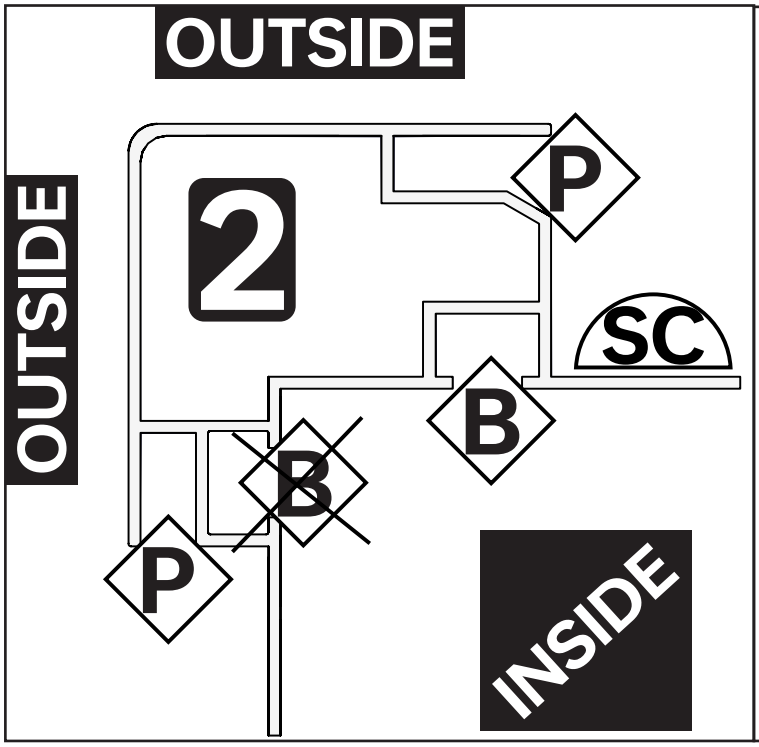
Attaching 7L/7R and 17 to Part 1:

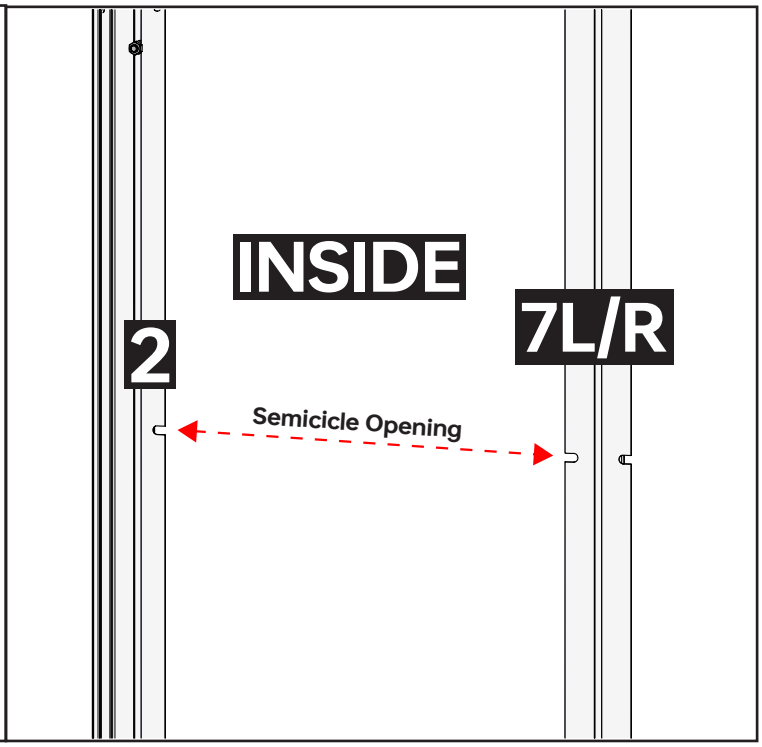
Identify the lowest F1+F2 bolt sets in the channels of 7L/7R (three sets) and 17 (two sets). For each of these lowest sets:

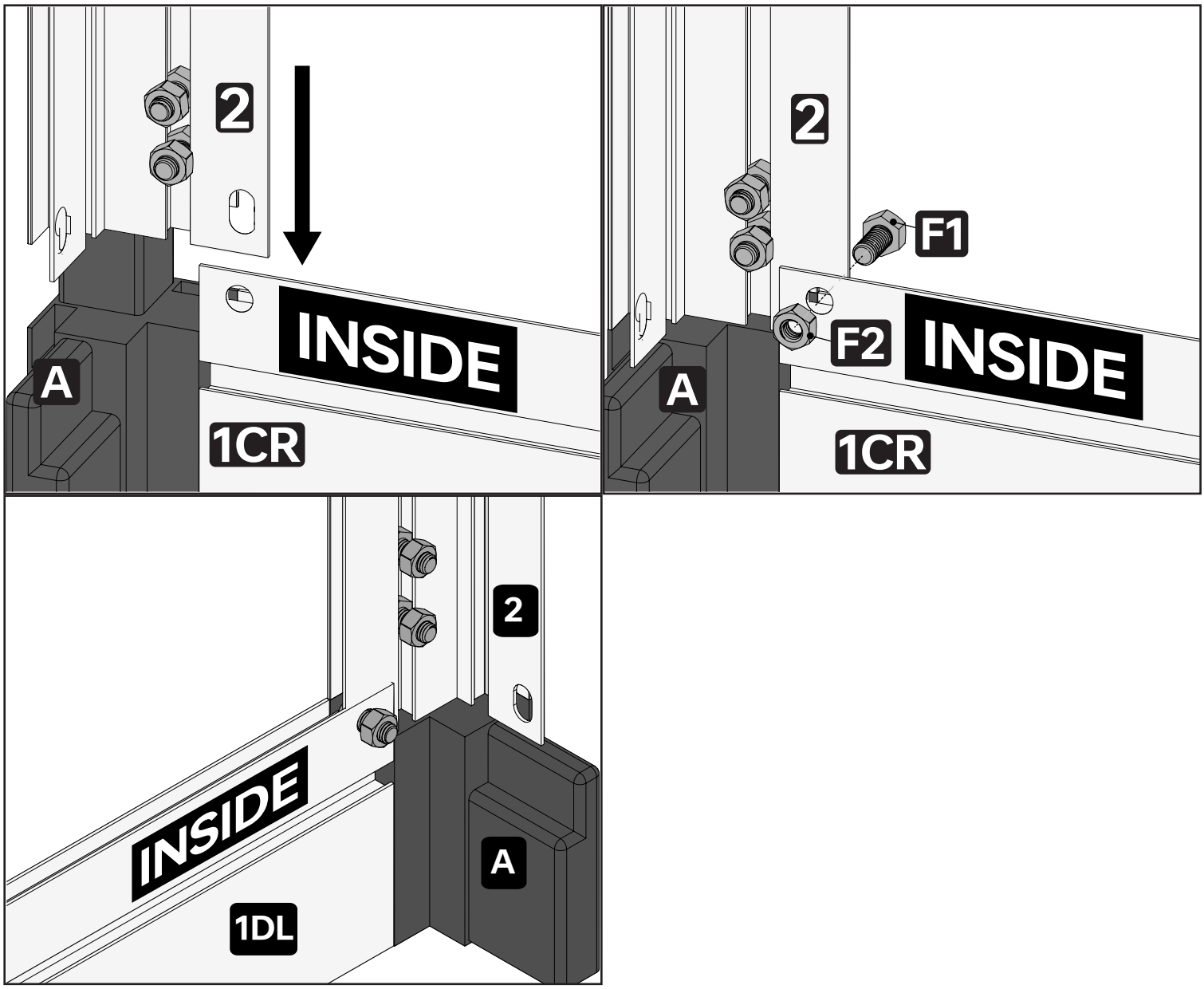
Remove the nut (F2).

Insert the bolt (F1) through the matching hole in part 1.

Reattach and tighten the nut (F2).







Note about part no. 2

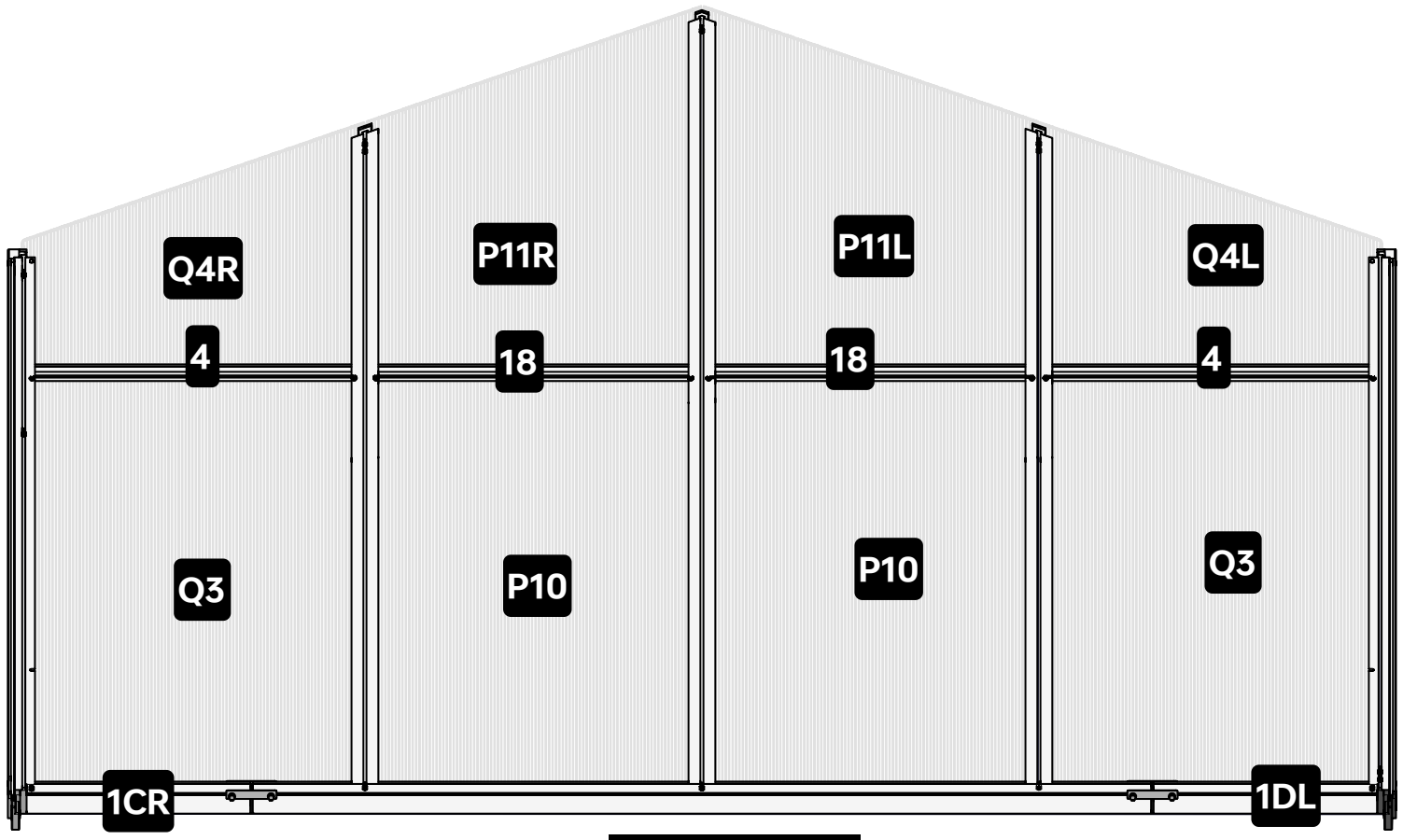
Symmetry and Orientation: Part 2 is horizontally symmetrical, meaning you can flip it end-over-end. However, it is **NOT** vertically symmetrical, so pay close attention to its left and right sides.

Using the Correct Bolt Channel: Part 2 has two bolt channels, but ONLY one is used. Slide the F1+F2 sets into the channel located next to the side with two semicircle openings. The other channel is marked as X over the B symbol and should be left empty.

Aligning Semicircle Openings: When positioning Part 2, ensure one of its **semicircle openings, Identified by a semicircle shape with "SC"**, aligns with the corresponding opening on either part 7L or 7R.

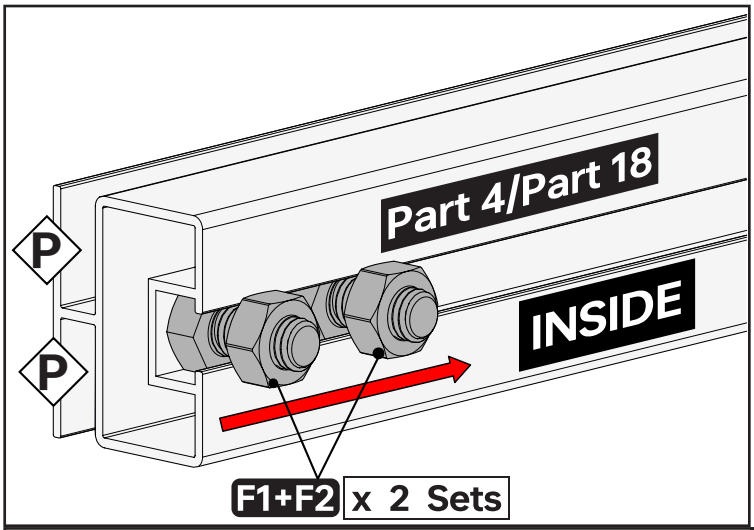
Attaching Part 2 to Part 1 (Important Distinction): Unlike 7L and 7R, you will NOT use the pre-inserted F3+F4 sets to attach Part 2 to Part 1. Instead, use a new set of F1+F2.

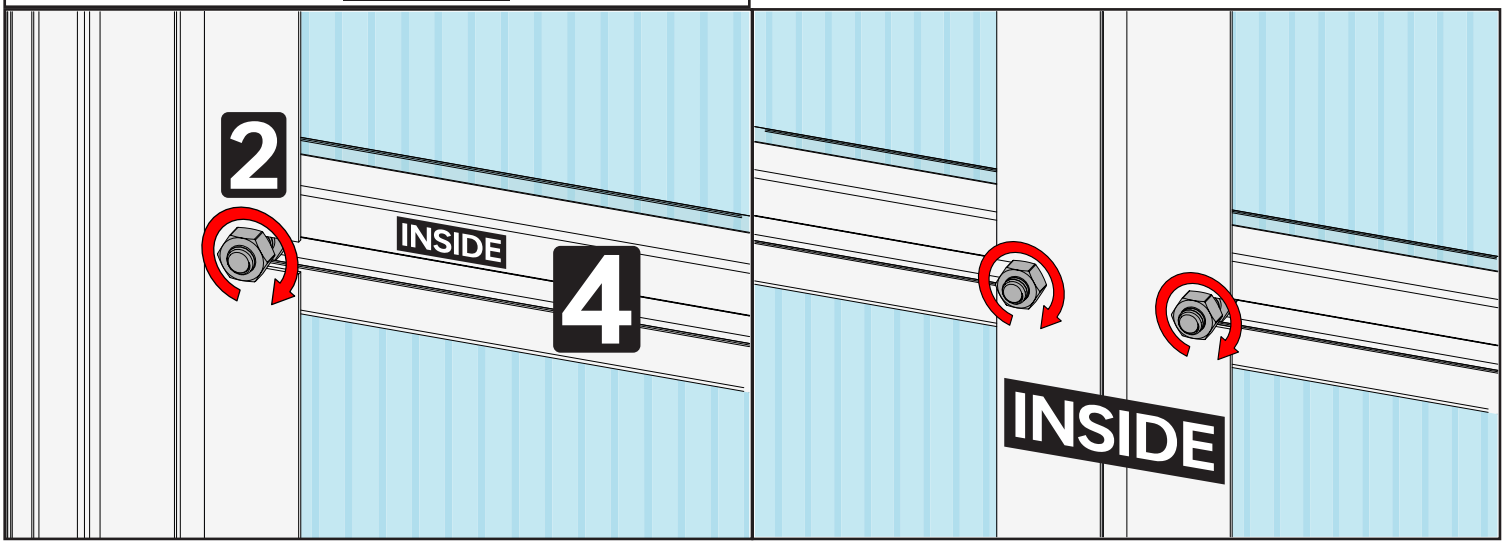
3



INSIDE

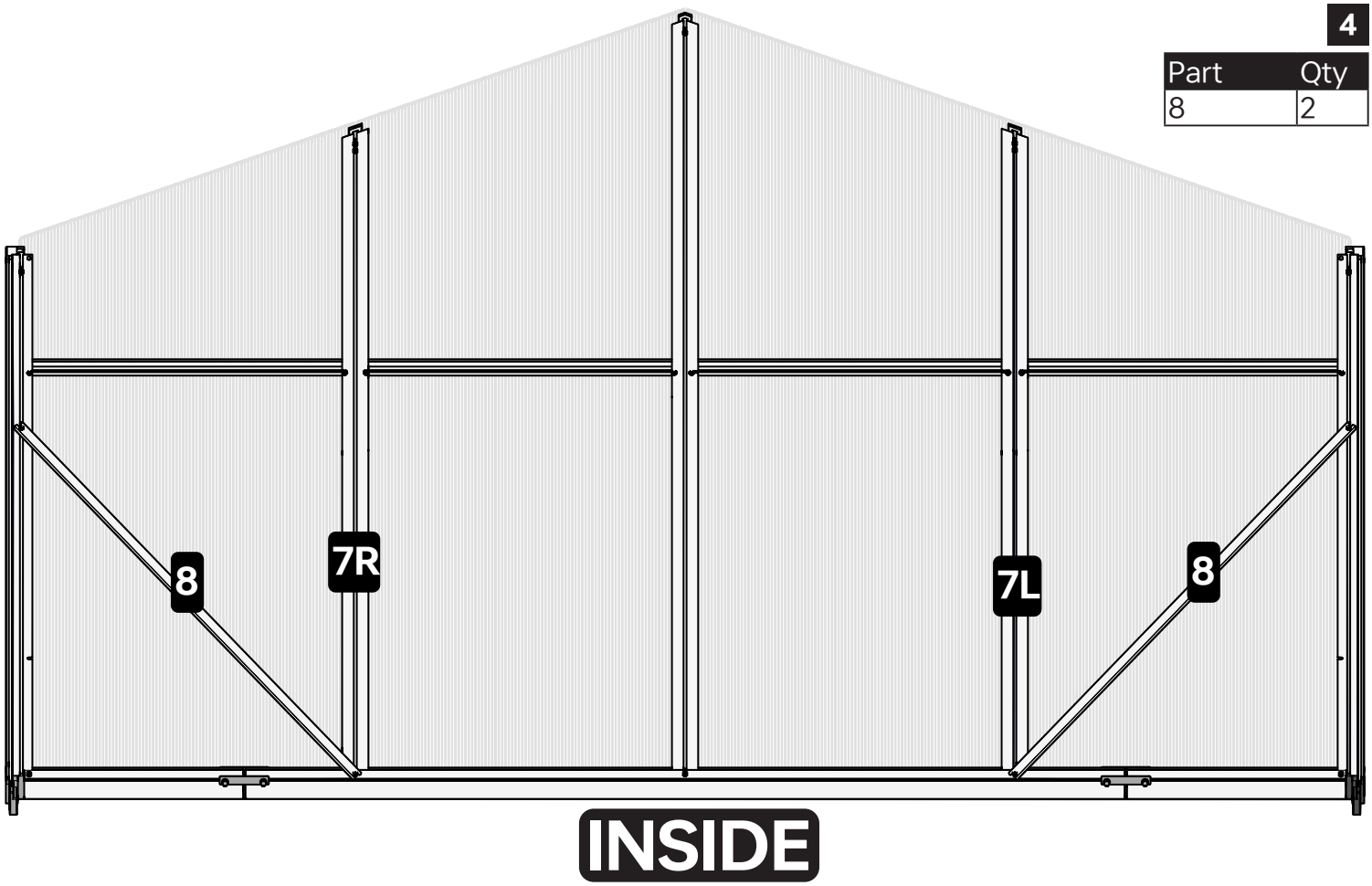
Part	Qty
4	2
18	2
F1+F2	8
P10	2
P11L	1
P11R	1
Q3	2
Q4L	1
Q4R	1

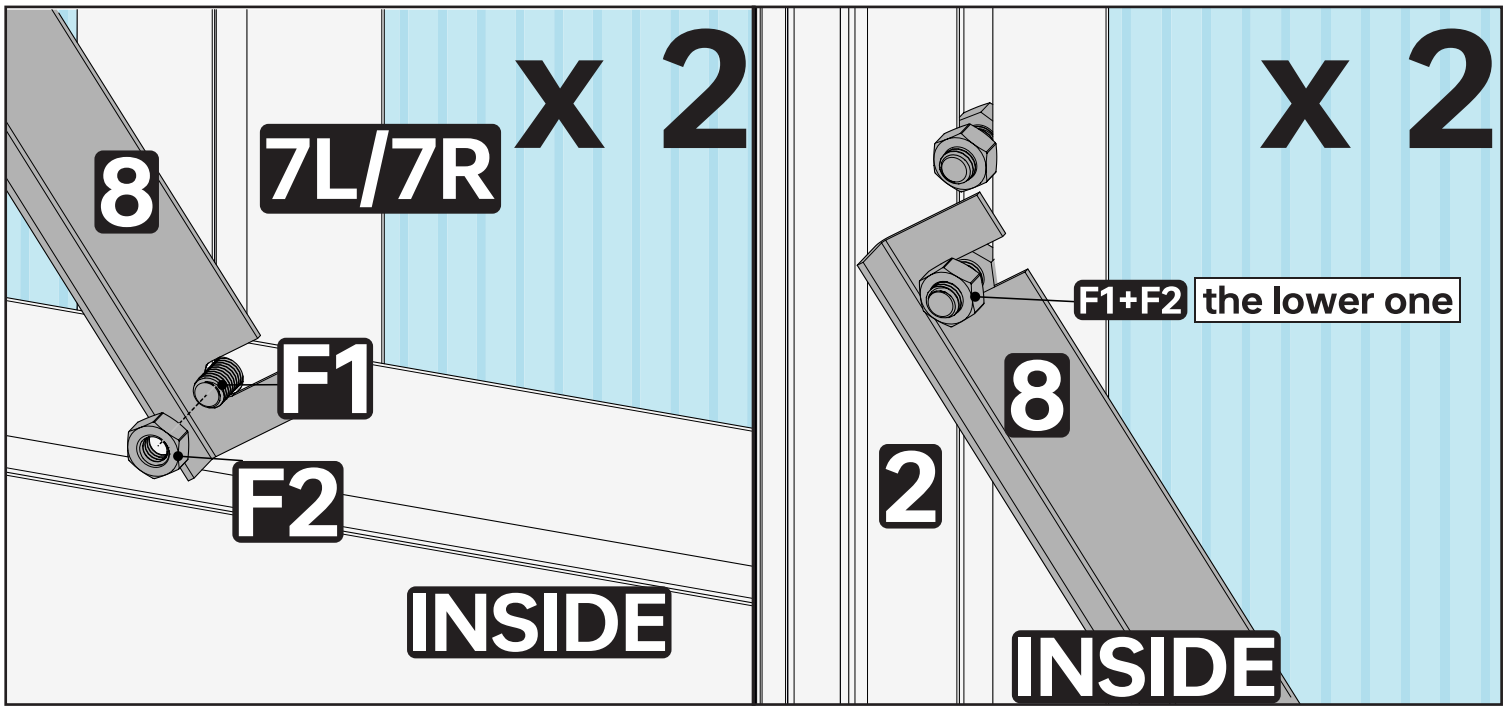




4

Part	Qty
8	2





NOTE

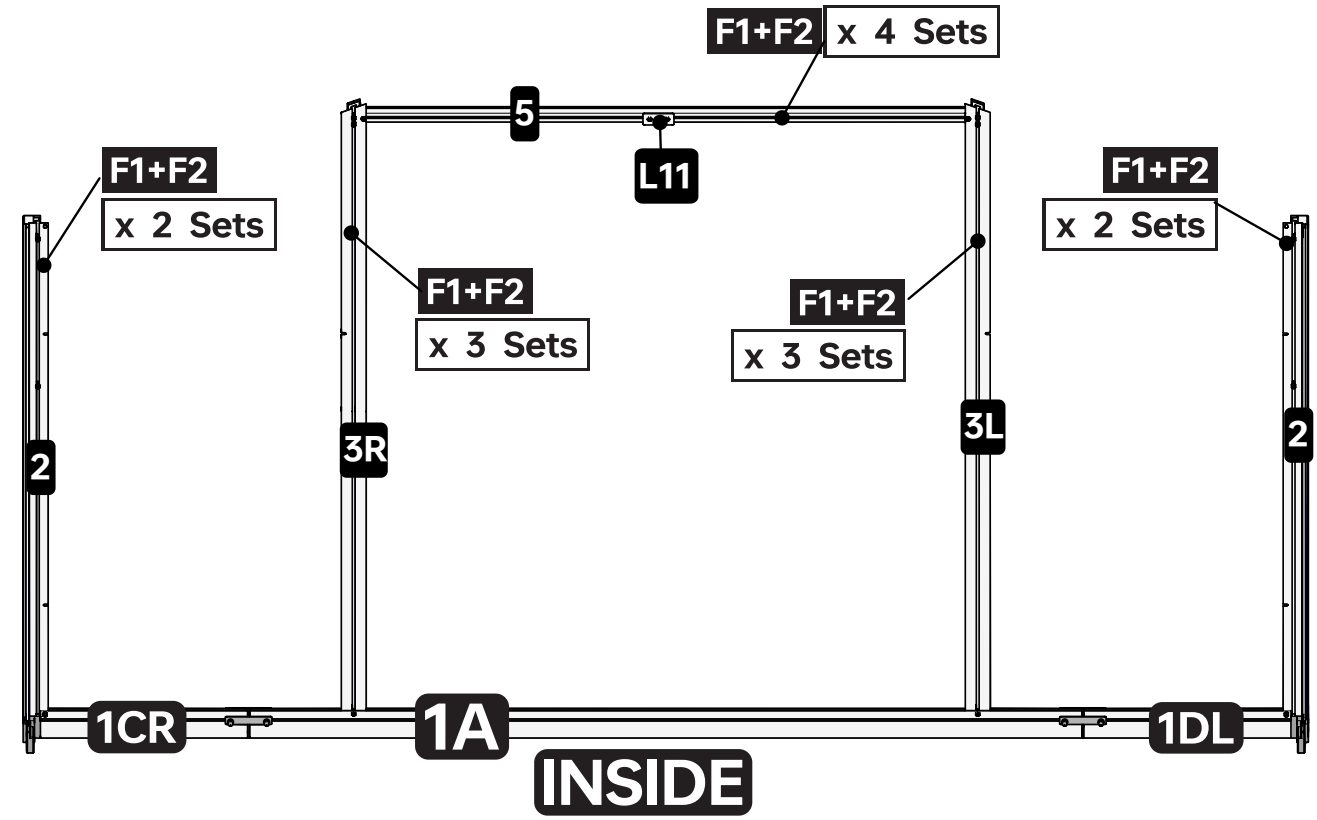
Securing Part 8: Utilizing Existing Bolts and Nuts:

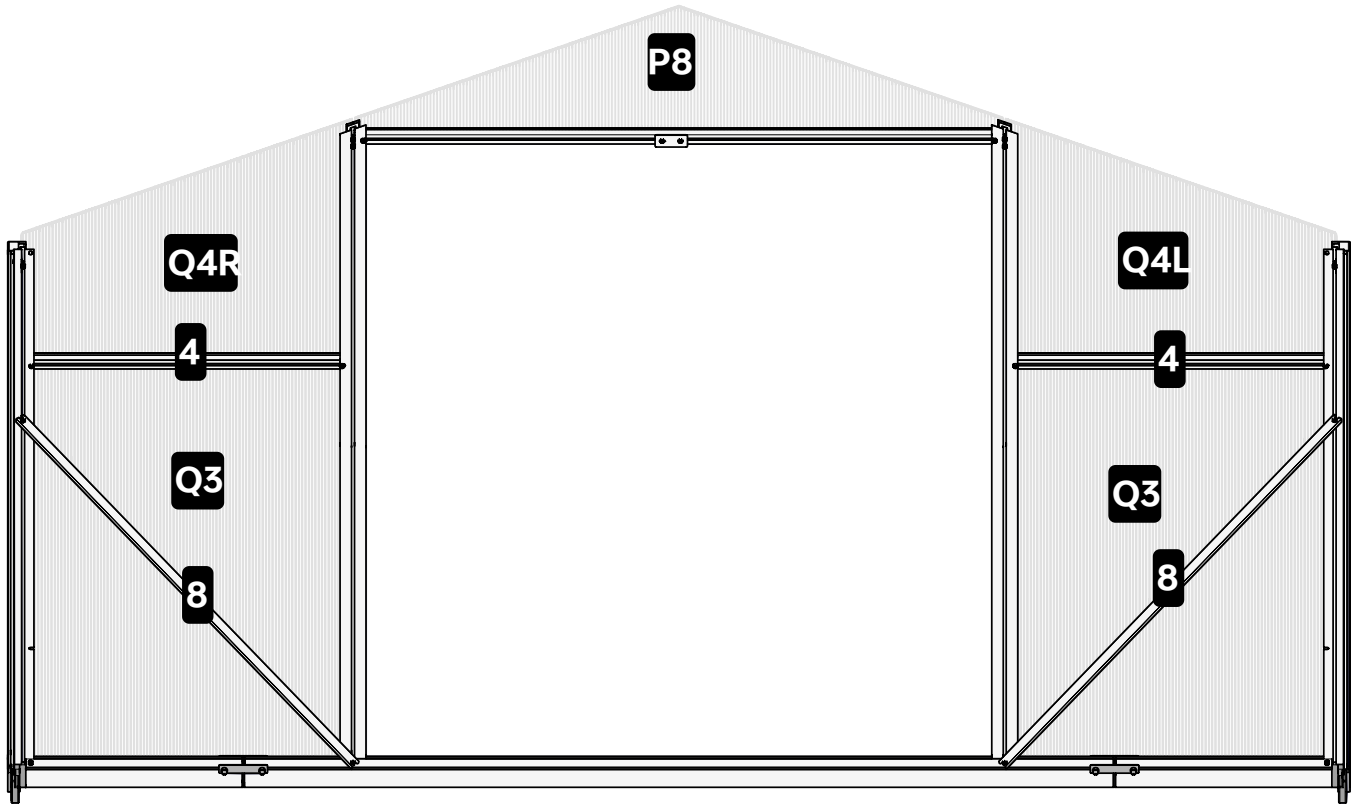
Reusing Hardware from 7L/7R Connection: Locate the F1+F2 set that currently connects parts 7L/7R to Part 1B. Remove the nuts (F2) from this set. Position Part 8 and reattach the nuts (F2) to secure Part 8, 7L/7R, and Part 1 together.

Utilizing the Lower F1+F2 Set from Part 2: Identify the two sets of F1+F2 that were previously inserted into Part 2. For this step, use the lower of these two sets.

5

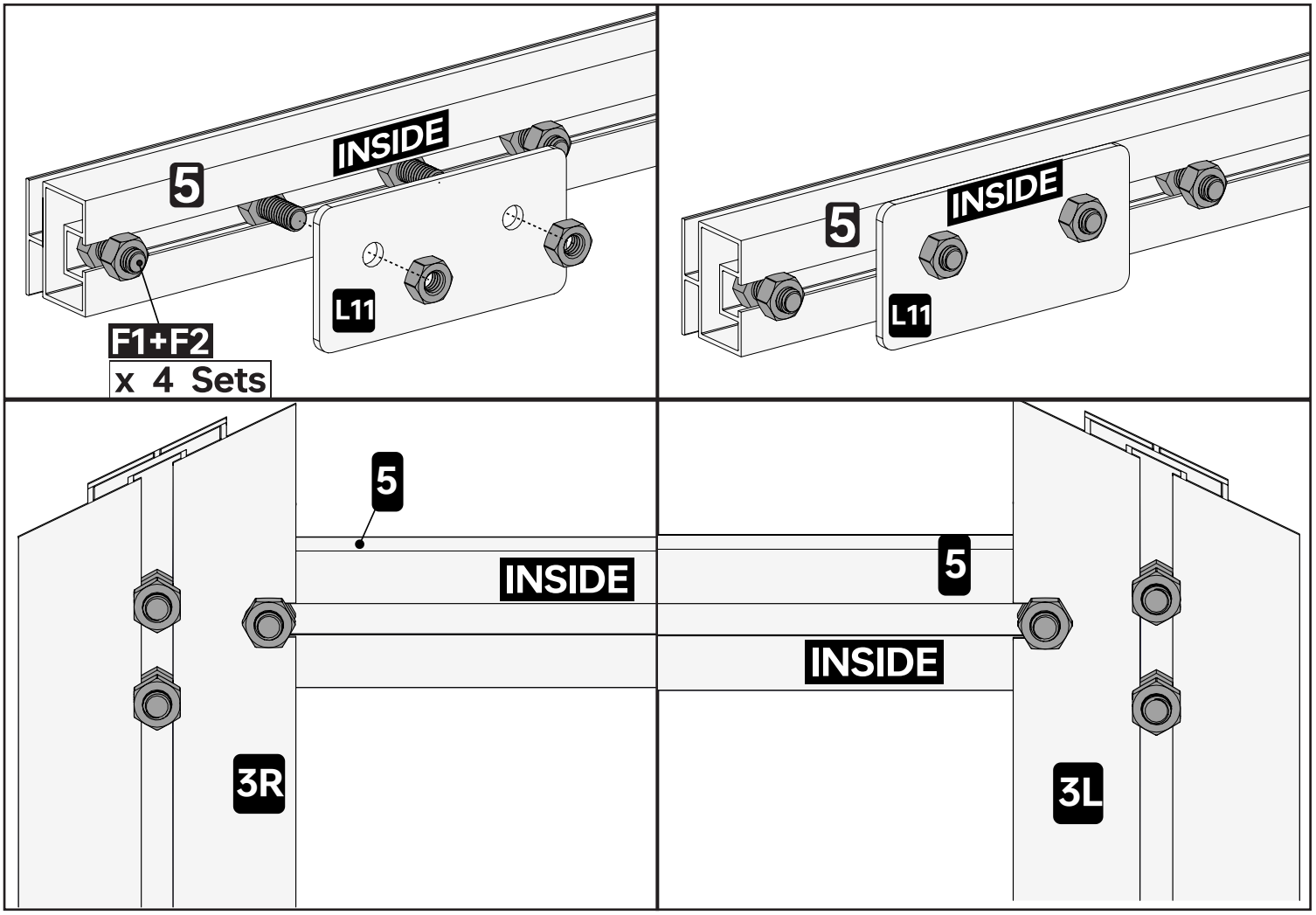
Part	Qty
2	2
3L	1
3R	1
4	2
5	1
8	2
A	2
F1+F2	20
L11	1
P8	1
Q3	2
Q4L	1
Q4R	1

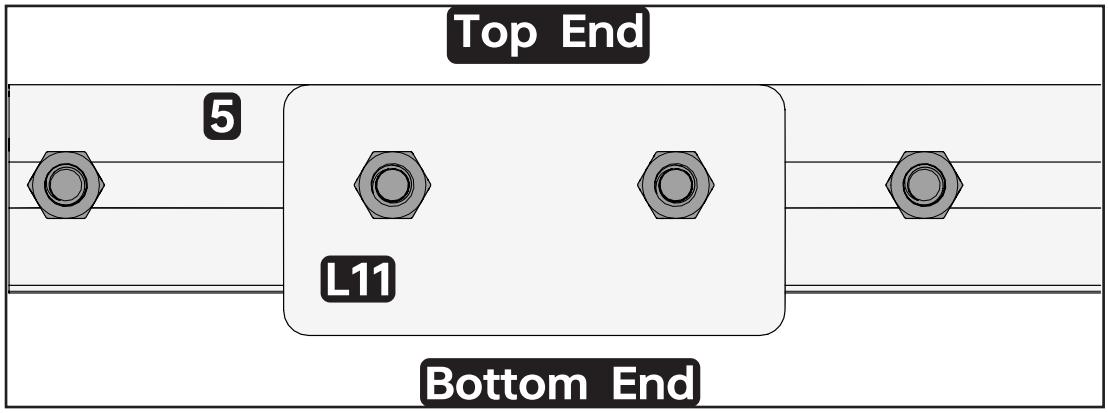




Note

This step follows the same general process as the last three steps, but with a few key differences:
Inserting the F1+F2 Sets: Follow the same procedure as before, inserting the specified number of F1+F2 sets into the designated channels:
Part 2: Two sets
Part 3L/3R: Three sets
Part 4: Two sets
Part 5: Four sets (**note the increased quantity for this part**)
3L/3R Orientation: Note that 3L/3R has a semicircle opening at its top.





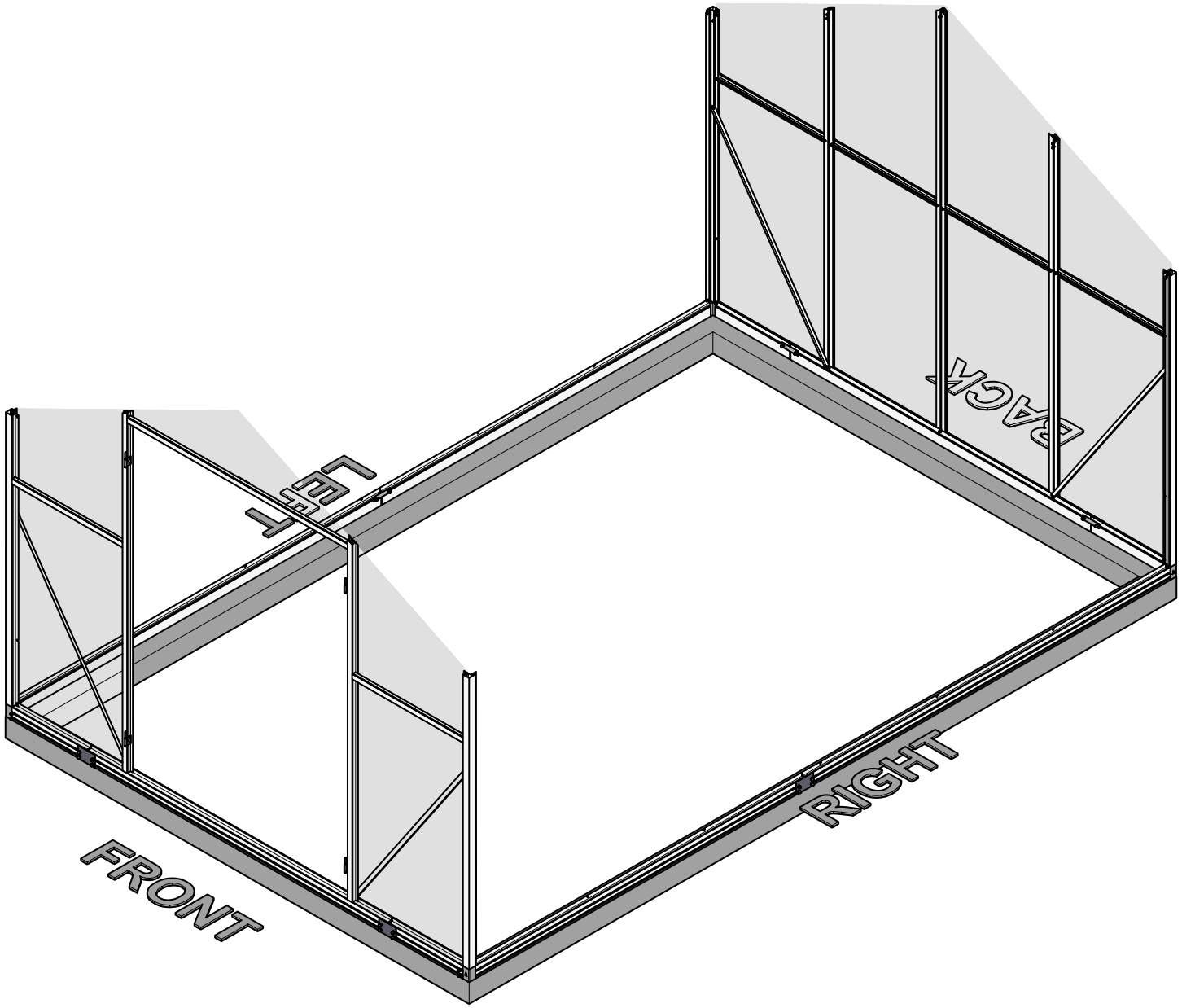
Note

Connecting Part 5 (Using F1+F2 Sets):
Connecting the Door Stopper (L11): Use the two F1+F2 sets located in the middle of Part 5 to attach the door stopper (L11). Do not overtighten the nuts at this time, and don't worry about the exact position of L11, as it will be adjusted in a later step.
Connecting to 3R and 3L: Use the remaining two F1+F2 sets (the outer sets) to connect Part 5 to Part 3R and Part 3L.

L11 Orientation:
Part L11 is symmetrical and can be installed with either side facing out. However, it does have a distinct top and bottom.

You might find that P8 is not firmly in place at this point in the assembly. This is due to its current attachment only being supported by the short panel channels on 3L and 3R. Don't worry, this is expected. You can temporarily remove Q6 and re-install it in a later step when additional support is provided.

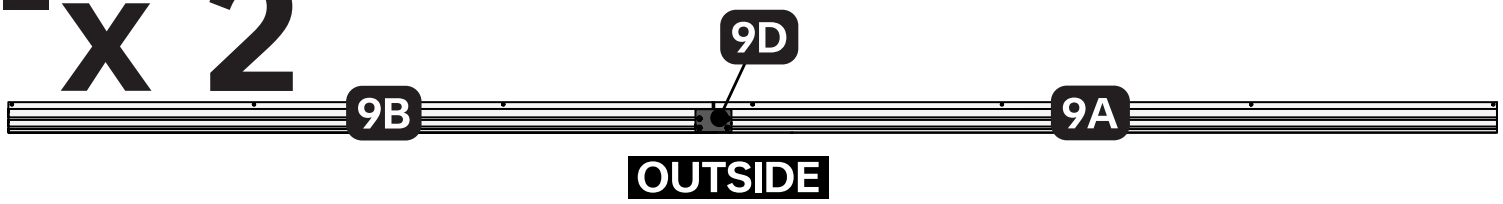
06 Foundation Options



Note

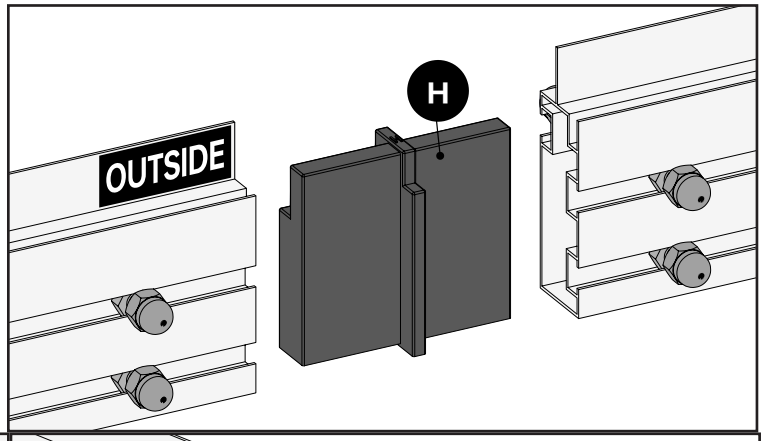
Foundation Options and Structural Stability:
In this chapter, we'll detail the four foundation options mentioned in Chapter 2. Choose the option that best fits your location and requirements.
Important Note on Completing Assembly: It's crucial to complete both Chapter 6 (Foundation) and Chapter 7 (Structure) in one session. The greenhouse will not be structurally sound until the end of Chapter 7. Stopping before then could result in the structure collapsing.

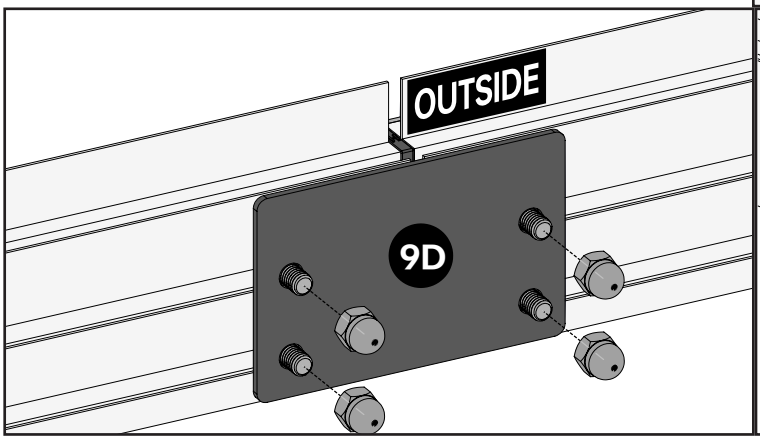
1 x 2

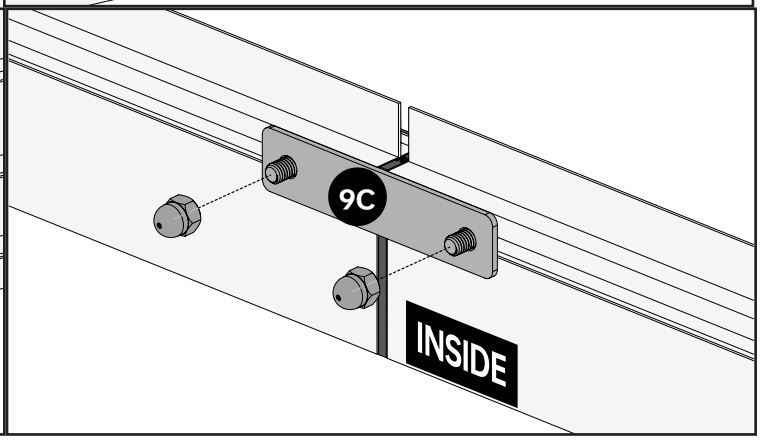


OUTSIDE

Part	Qty
9A	2
9B	2
9C	2
9D	2
H	2
F3+F4	12





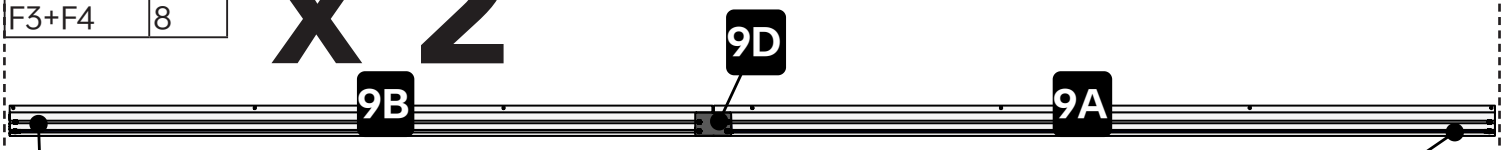


NOTE

This step is identical to the first step in last chapter.
Repeat the process to create a second set of 9A+9B.

Part	Qty
F3+F4	8

x 2



OUTSIDE

F3+F4
x 2 Sets

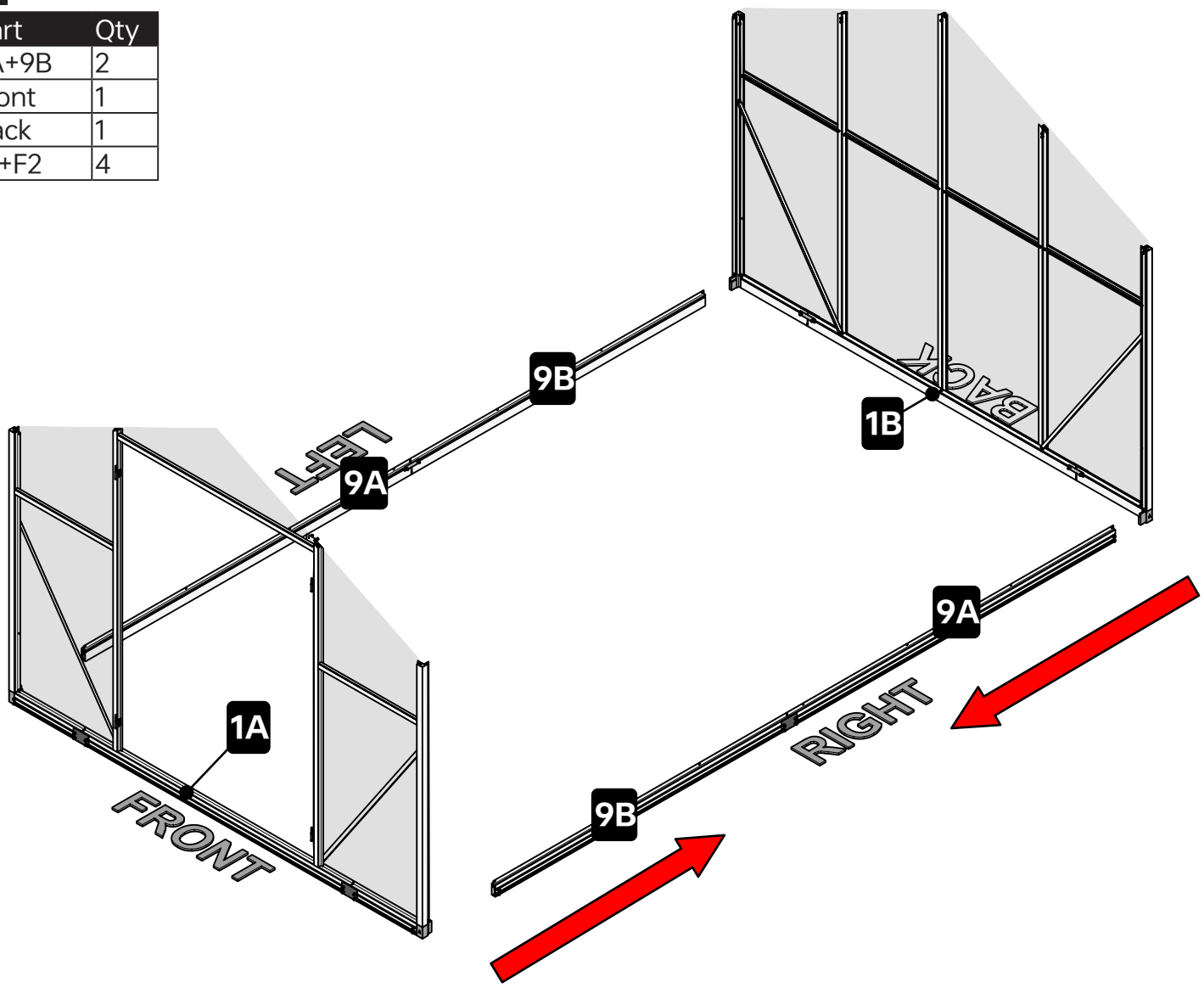
F3+F4
x 2 Sets

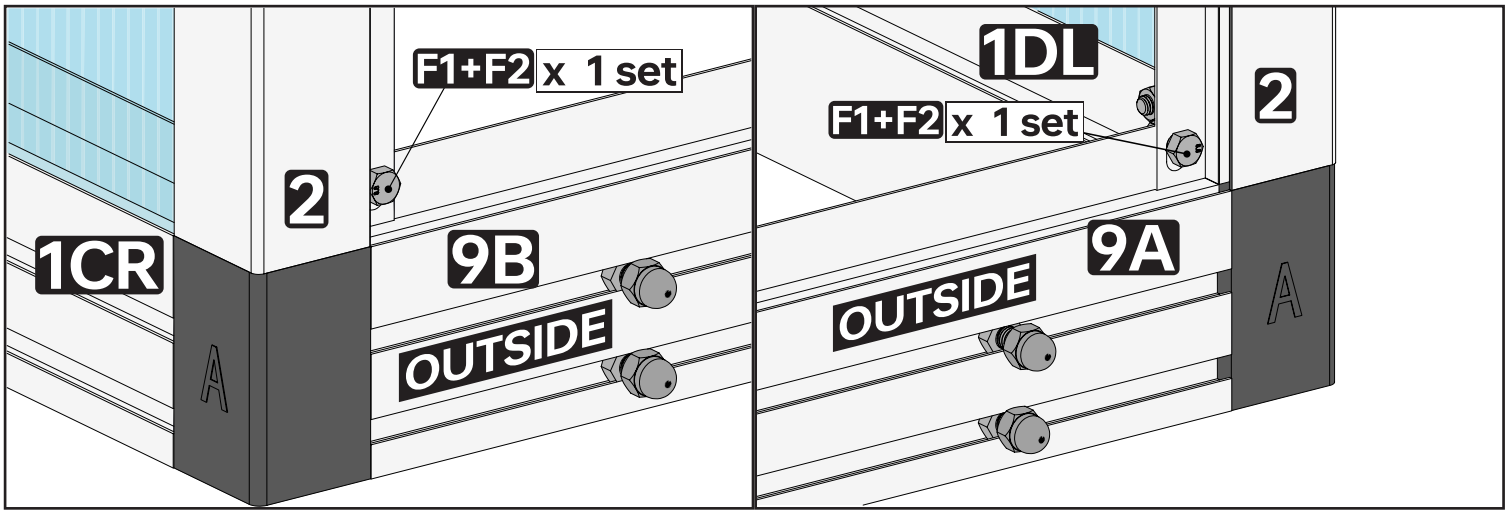
NOTE

This sub-step is required for all foundation options EXCEPT the freestanding option.
Insert eight sets of F3+F4 into the designated channels of the **two sets of 9A+9B**. These pre-inserted sets will be used in a later step for attaching the chosen foundation.

2

Part	Qty
9A+9B	2
Front	1
Back	1
F1+F2	4

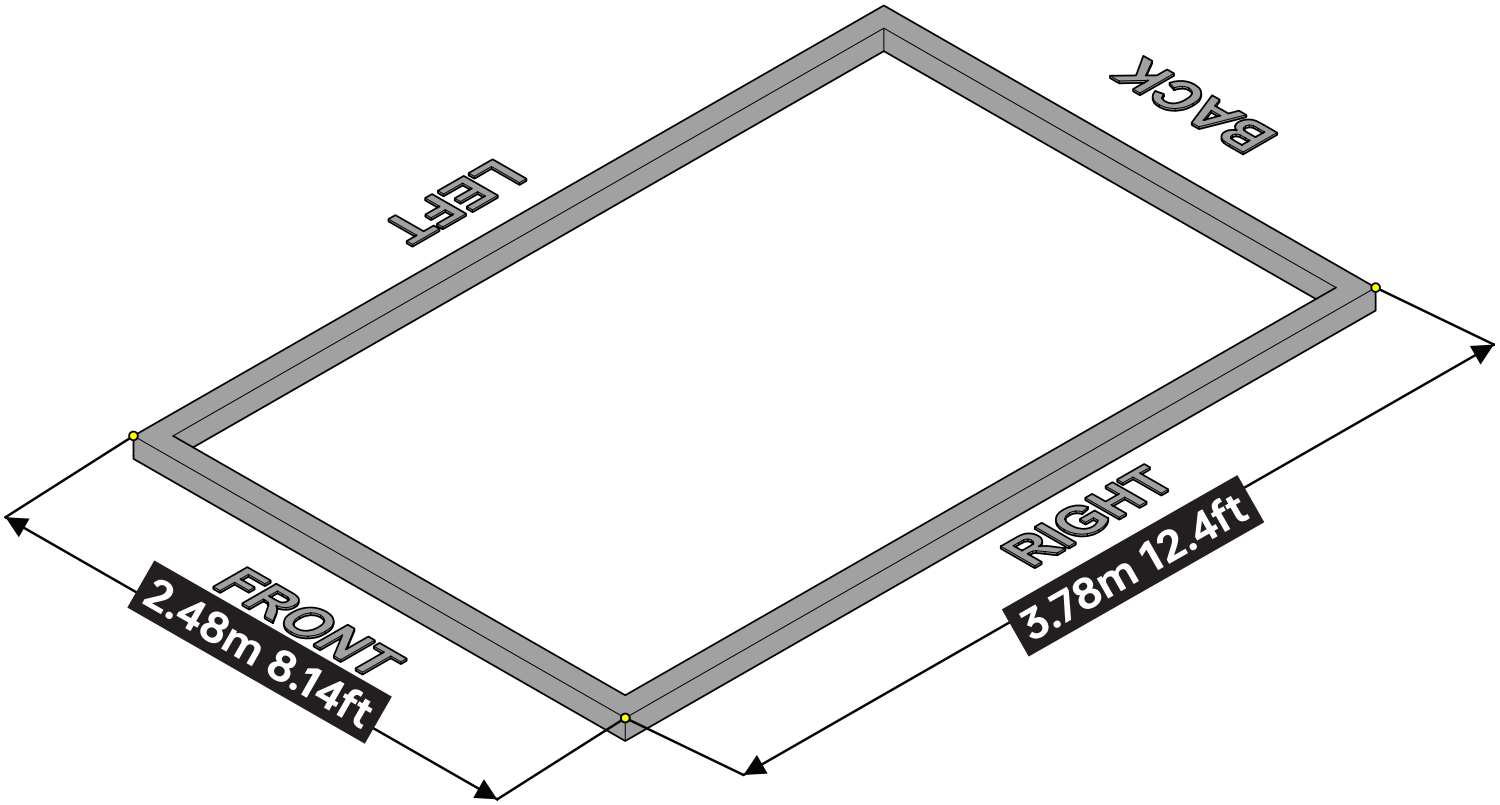


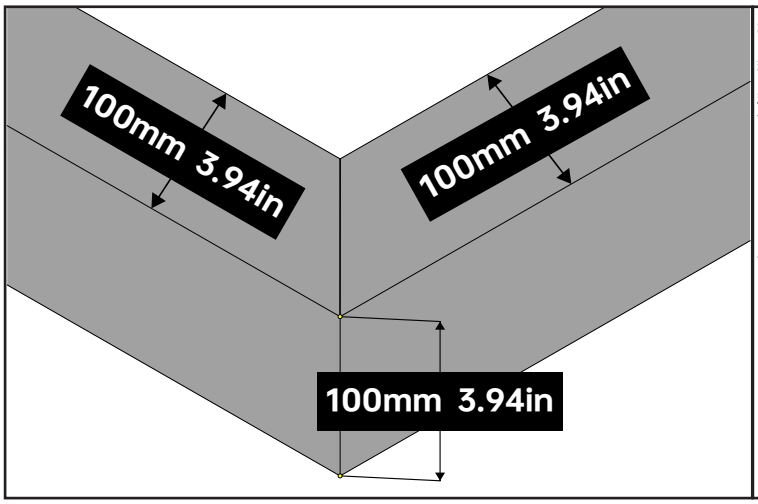


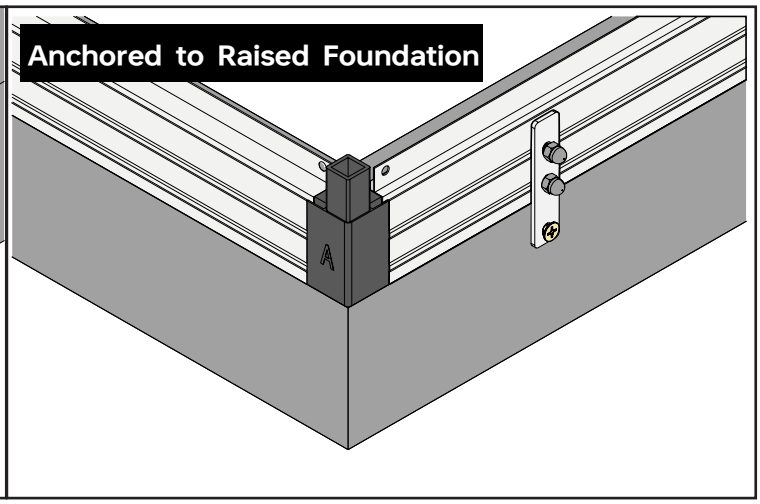
NOTE

Securely attach the frame components (9A+9B) to 1CR/1DL using one set of F1+F2 at each corner. These F1+F2 sets are not inserted into Part 2, but are used separately.

3 OPTION 1 - ANCHORED TO A RAISED FOUNDATION







NOTE

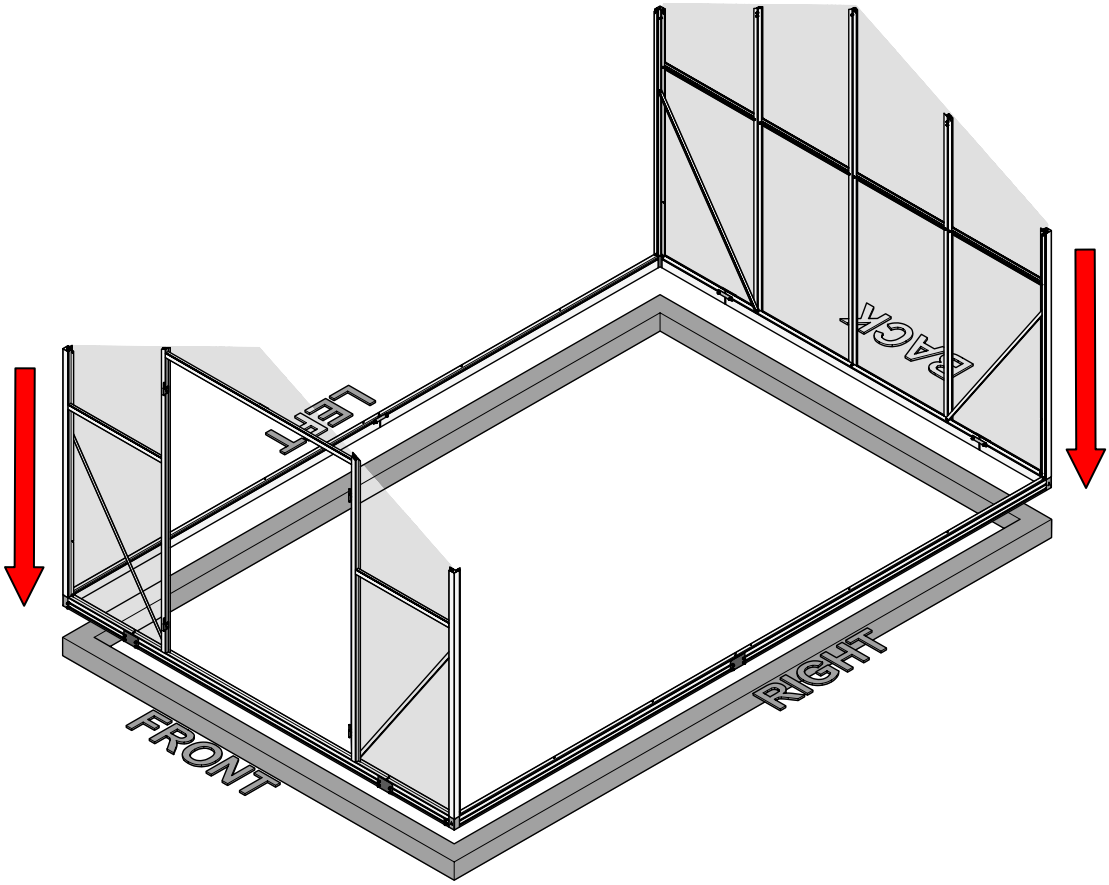
Building a Raised Foundation for Your Greenhouse:

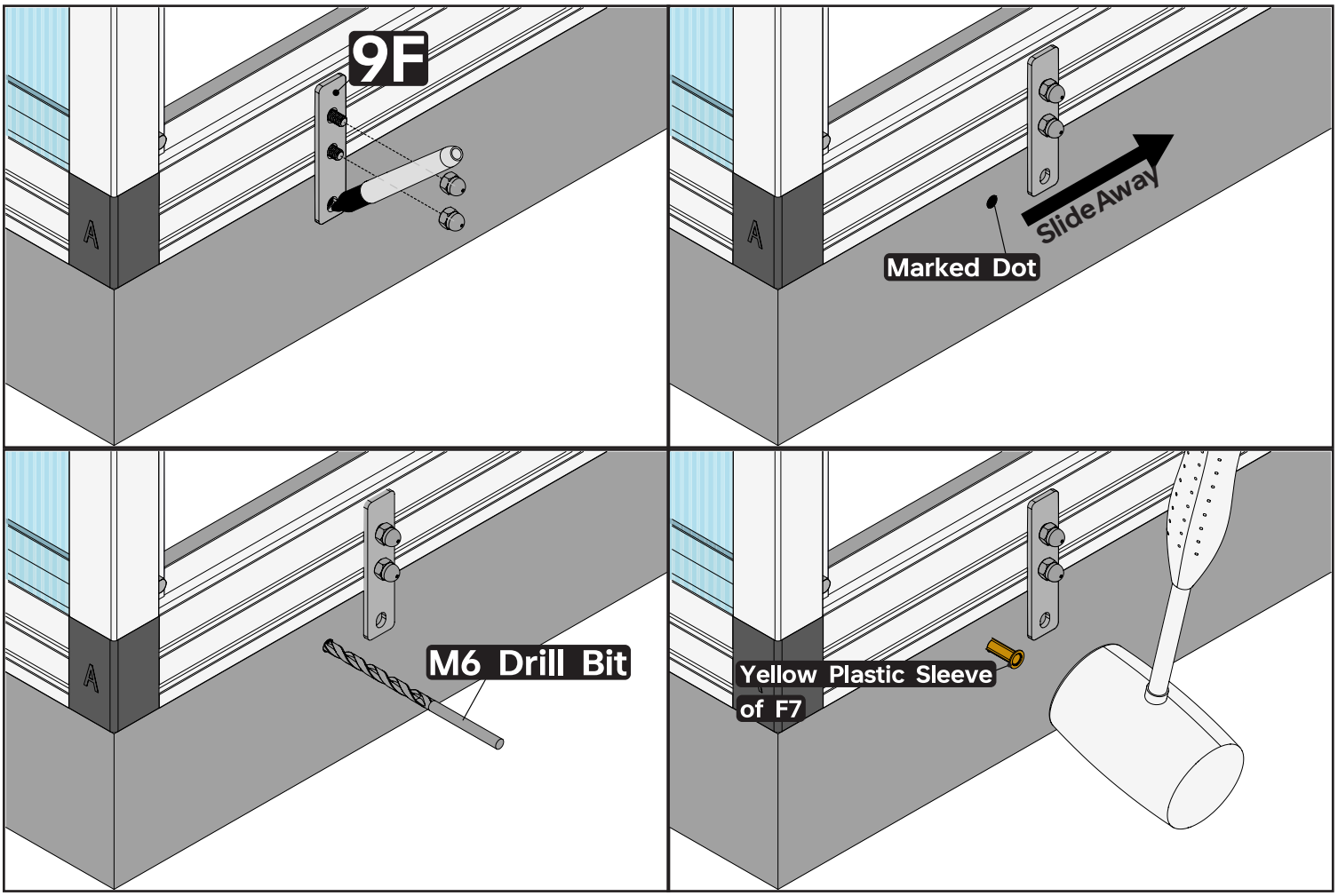
This foundation option requires a raised platform. Here are the key requirements:

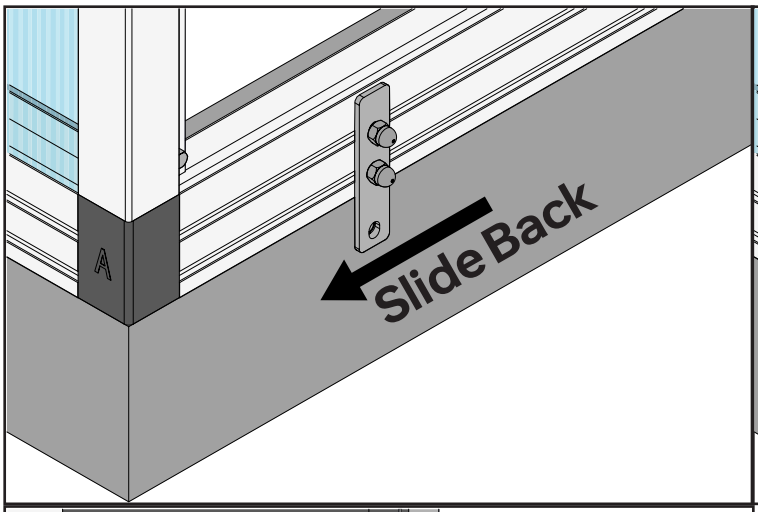
Matching Dimensions: The exterior dimensions of the raised foundation must match the exterior dimensions of the greenhouse base, which are 2.48m x 3.78m (8.14ft x 12.4ft).
Material Recommendations: We recommend using durable materials such as 4x4 or 6x6 timber, concrete blocks, or other similarly solid materials for constructing the raised foundation.
Suggested Size: While the recommended size for the raised foundation is 100mm x 100mm x 100mm (thickness x width x height), you can modify these dimensions to suit your specific needs. However, it's crucial to maintain the correct exterior dimensions.

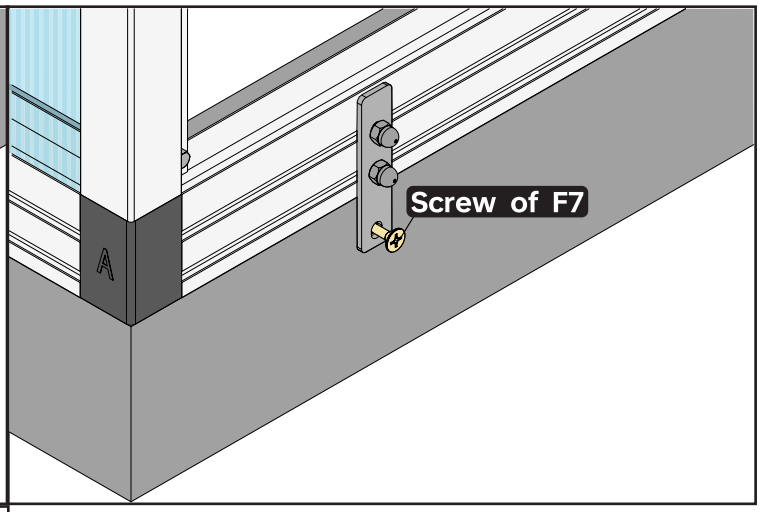
4 OPTION 1 - ANCHORED TO A RAISED FOUNDATION

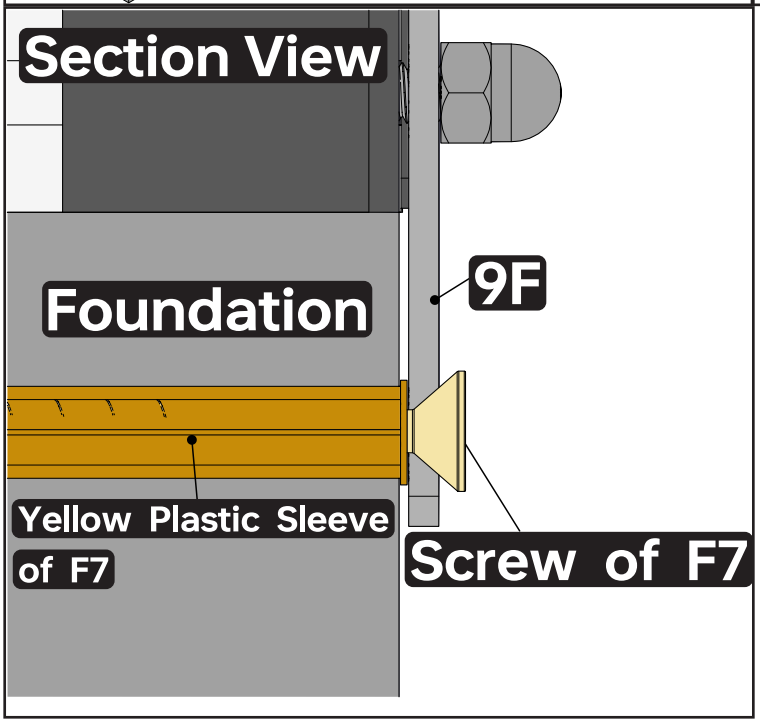
Part	Qty
9F	4
F7	4











Note

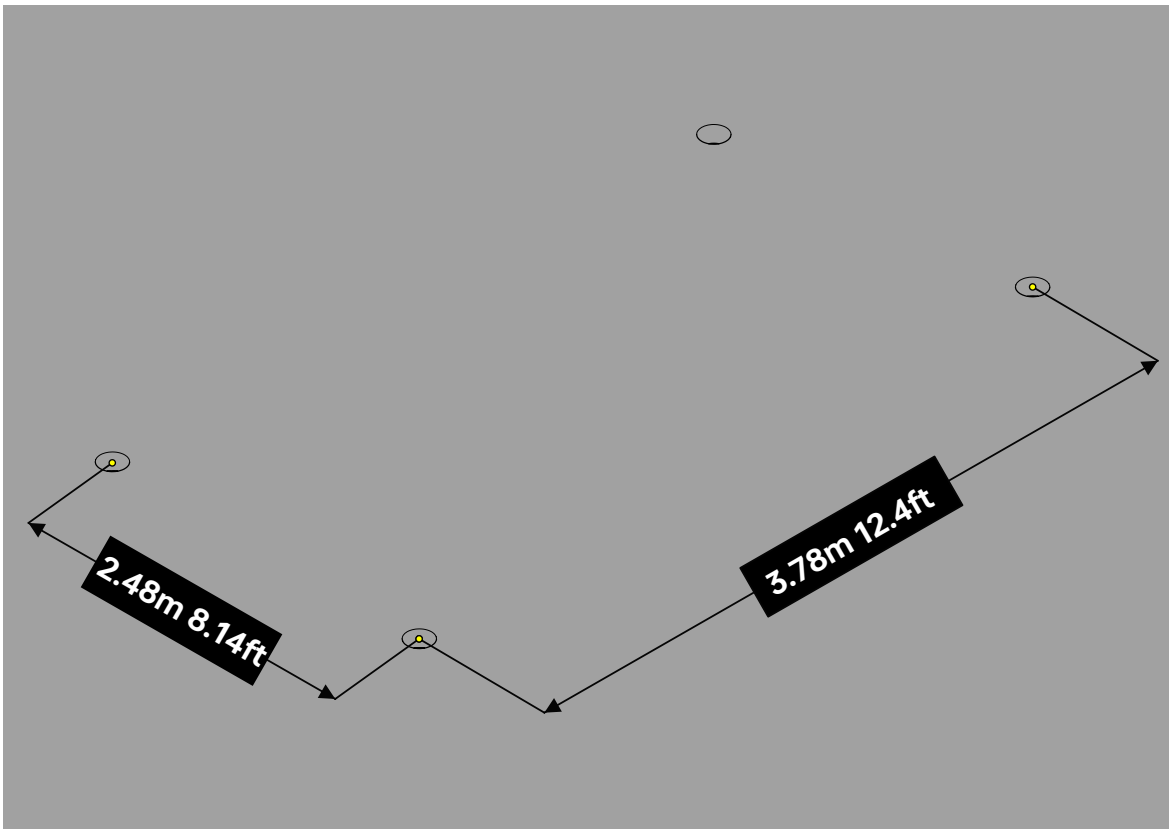
Attaching the Frame to the Raised Foundation (Concrete or Timber):

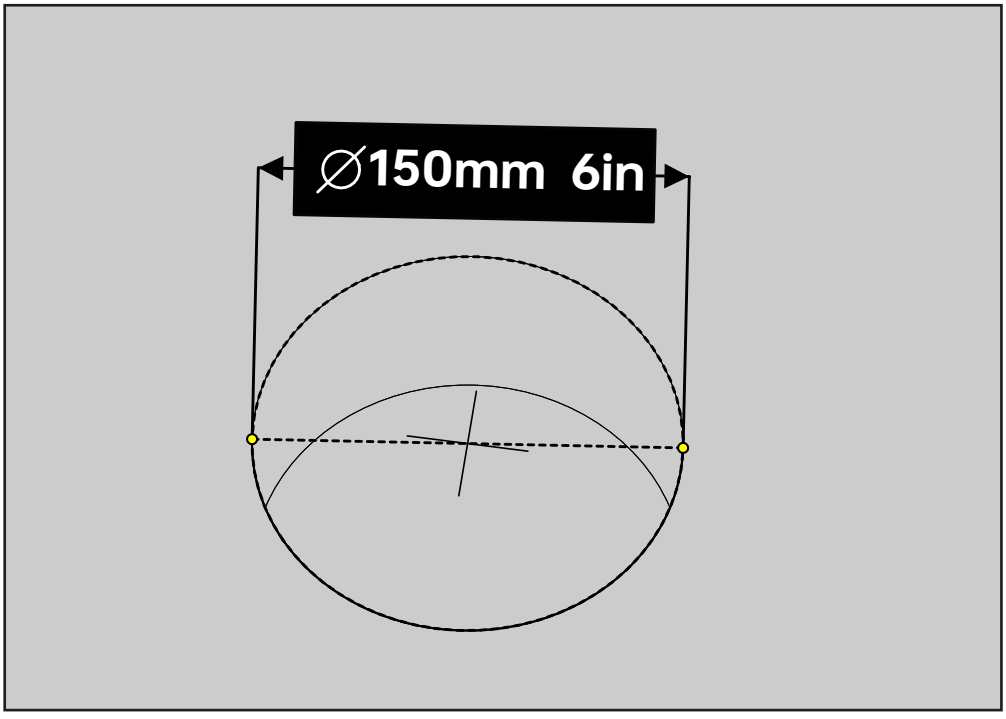
Positioning the Brackets (9F+F3+F4): Slide the 9F+F3+F4 brackets near each corner of the foundation. The exact position is not critical at this stage.
Marking the Drill Locations (Concrete Only): Use a marker pen to mark the foundation through the third hole of each 9F bracket. These marks will indicate where to drill the holes for the anchors.
Drilling the Holes (Concrete Only): Using a concrete drill with an M6 drill bit, drill holes at the marked locations. The holes should be approximately 8cm (3.15 inches) deep.
Installing the Anchors (Concrete Only): Insert the yellow plastic part of F7 into the drilled holes. Use a rubber mallet to gently hammer them in until they are flush with the surface of the foundation.
Securing the Frame (All Foundation Types): Slide the 9F+F3+F4 brackets back into position and use the screw part of F7 to securely attach the frame to the foundation.

Important Note for Timber Foundations: If you are using a timber foundation, you can skip steps 2, 3, and 4 (marking, drilling, and installing anchors). Simply screw the 9F+F3+F4 brackets directly into the timber using the screw part of F7.

Congratulations! You have completed Option 1.

5 OPTION 2 - ANCHORED INTO THE GROUND





NOTE

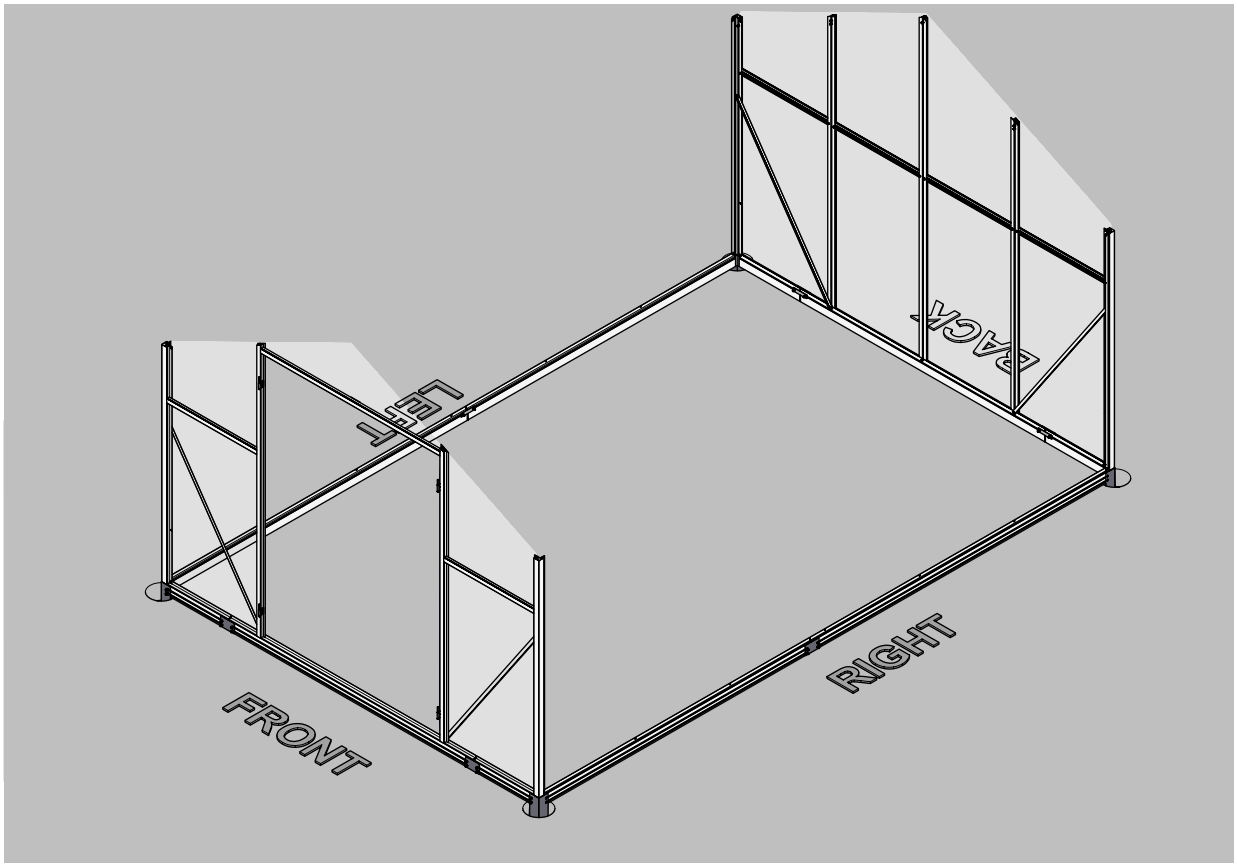
Preparing the Ground for Anchors:

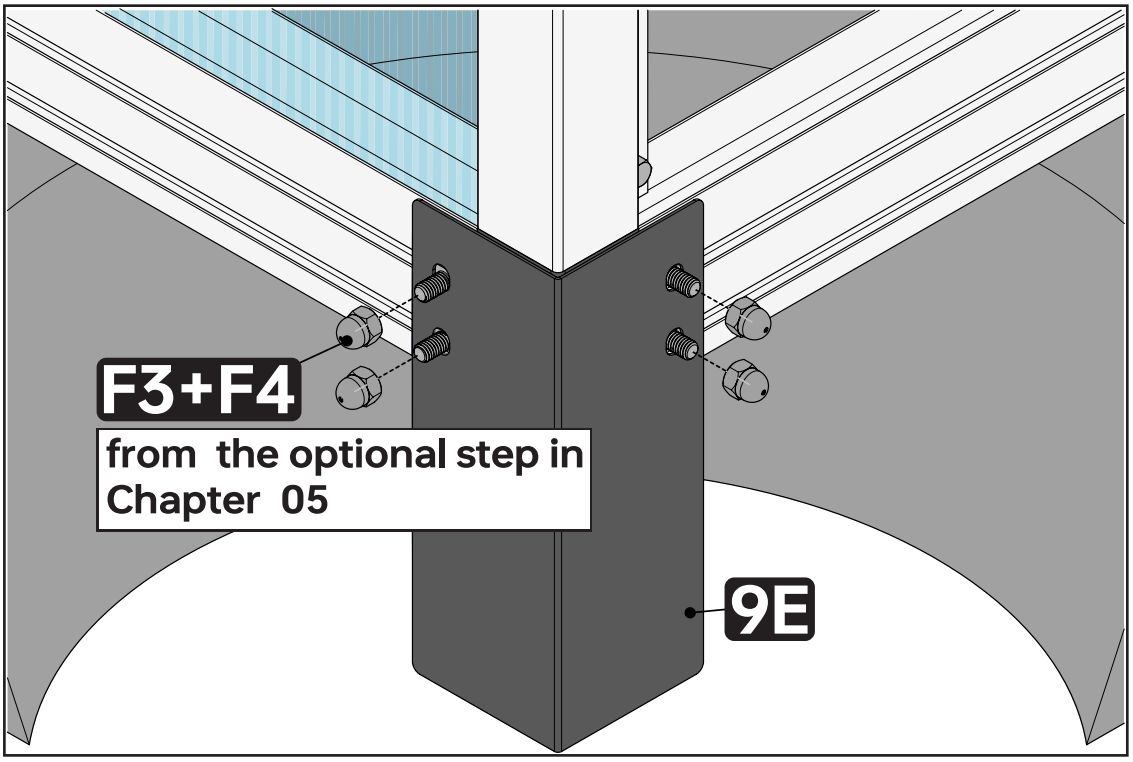
Check Ground Conditions: Before you begin, ensure the ground is solid and level. This is crucial for the stability of your greenhouse.

Digging the Anchor Holes: Dig four holes in the ground. Each hole should have a diameter of 150mm (6 inches) and a depth of 100mm (4 inches).

6 OPTION 2 - ANCHORED INTO THE GROUND

Part	Qty
9E	4



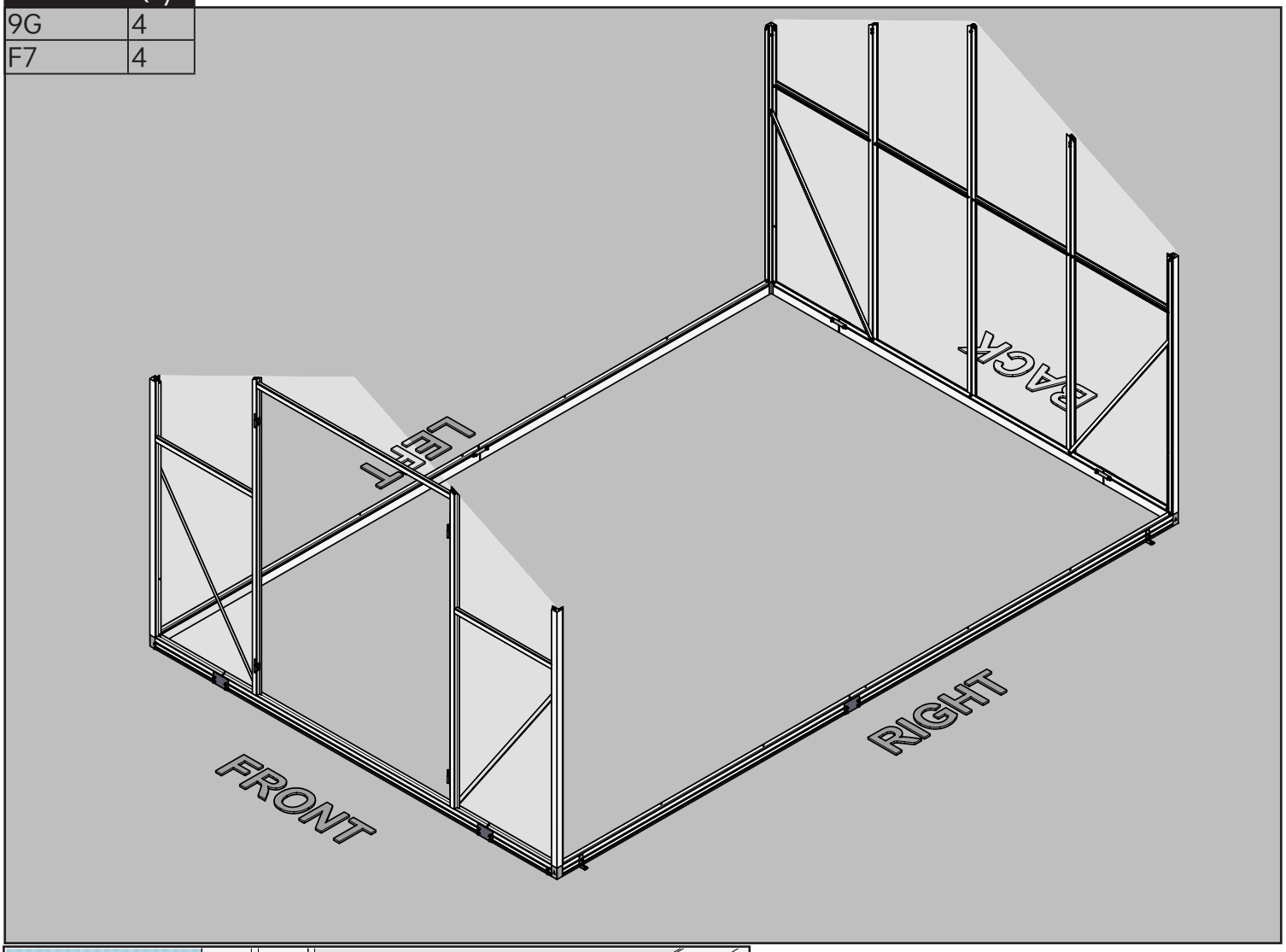


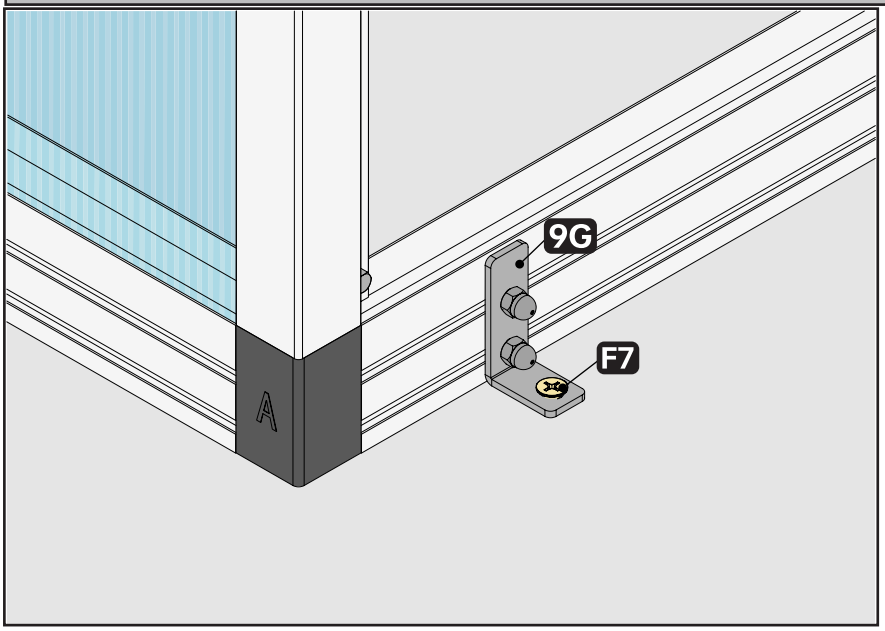
NOTE

Completing the Ground Anchoring:
Using Pre-Inserted Hardware: Locate the eight sets of F3+F4 that were previously inserted into 1CR/1DL (two sets per corner). These were added during the optional step in Chapter 5.
Securing 9E: Use these F3+F4 sets to attach part 9E to the frame.
Finalizing the Anchoring: Once 9E is securely attached, fill the dug holes with soil or appropriate backfill material.
Congratulations! You have completed Option 2.

7 OPTION 3 - ANCHORED TO CONCRETE FOUNDATION

Part	Qty
9G	4
F7	4



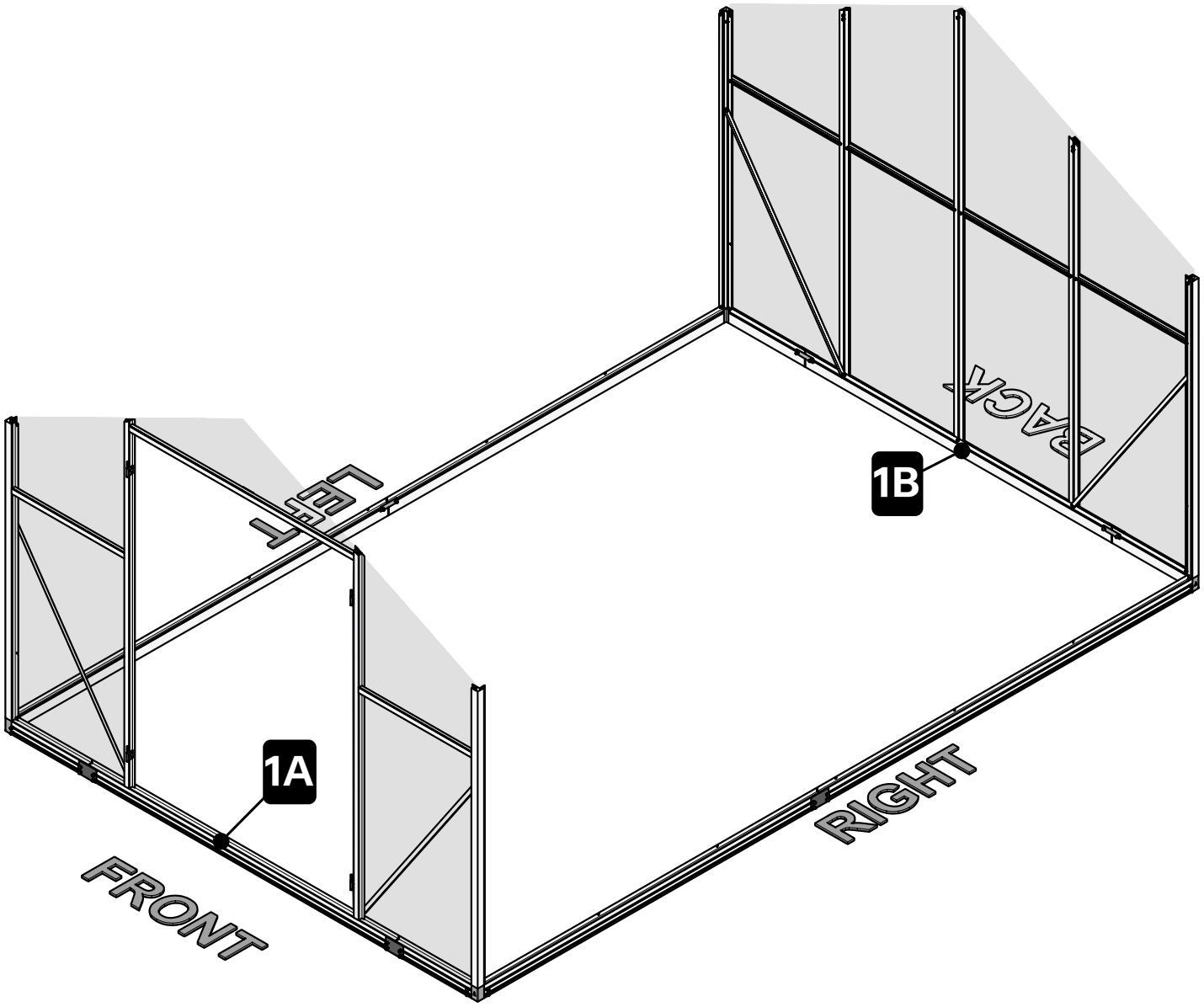


NOTE

This option utilizes the same expansion bolts (F7) and follows a similar procedure as described in Option 1. Please refer to the instructions for Option 1 for detailed guidance on how to use the expansion bolts.

Congratulations! You have completed Option 3.

8 OPTION 4 - FREESTANDING



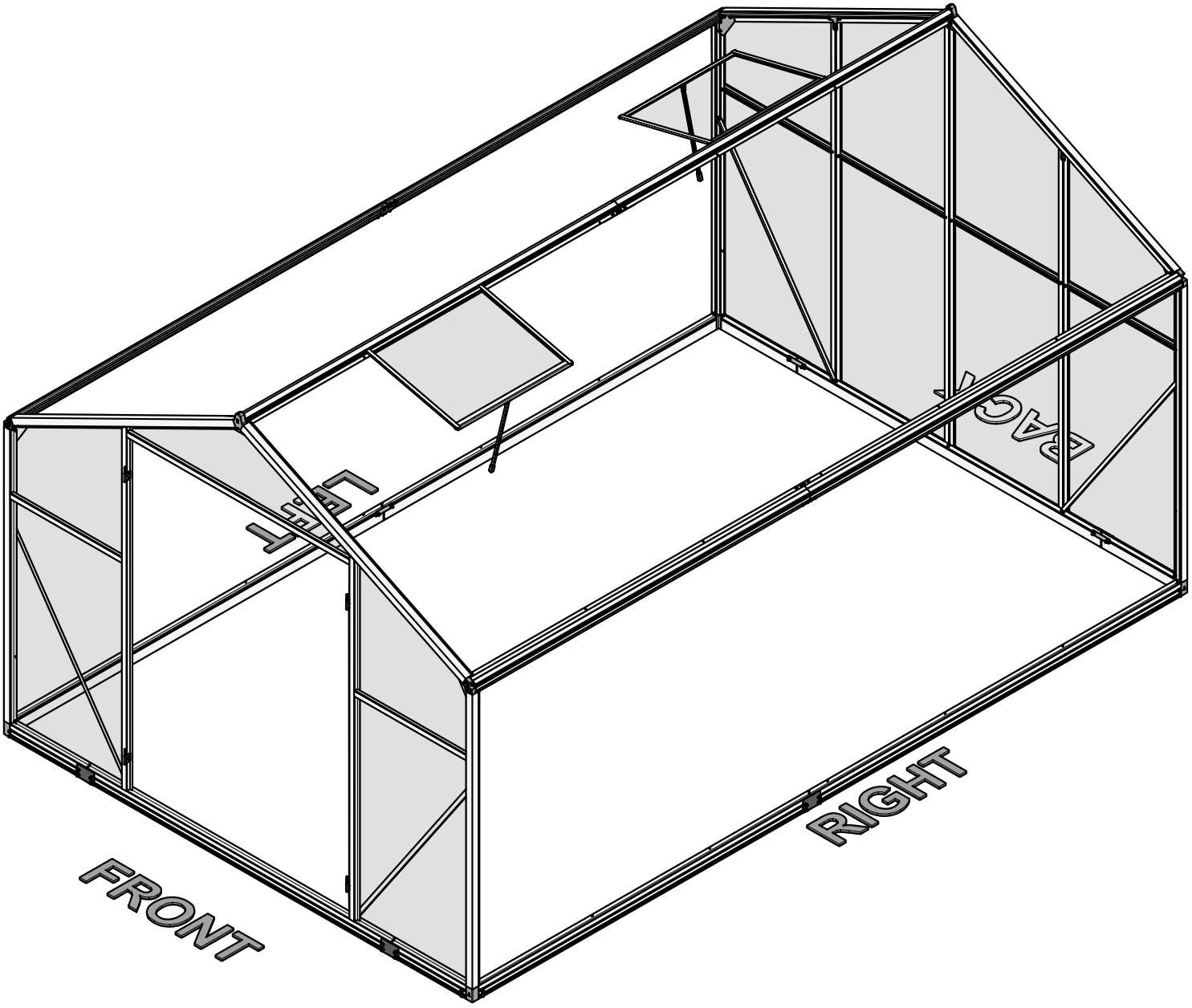
NOTE

This option requires no additional brackets or anchoring. Simply move the fully assembled greenhouse frame to your chosen location.

Important Consideration: This is the least stable foundation option and may not be suitable for all locations or weather conditions.

Congratulations! You have completed Option 4.

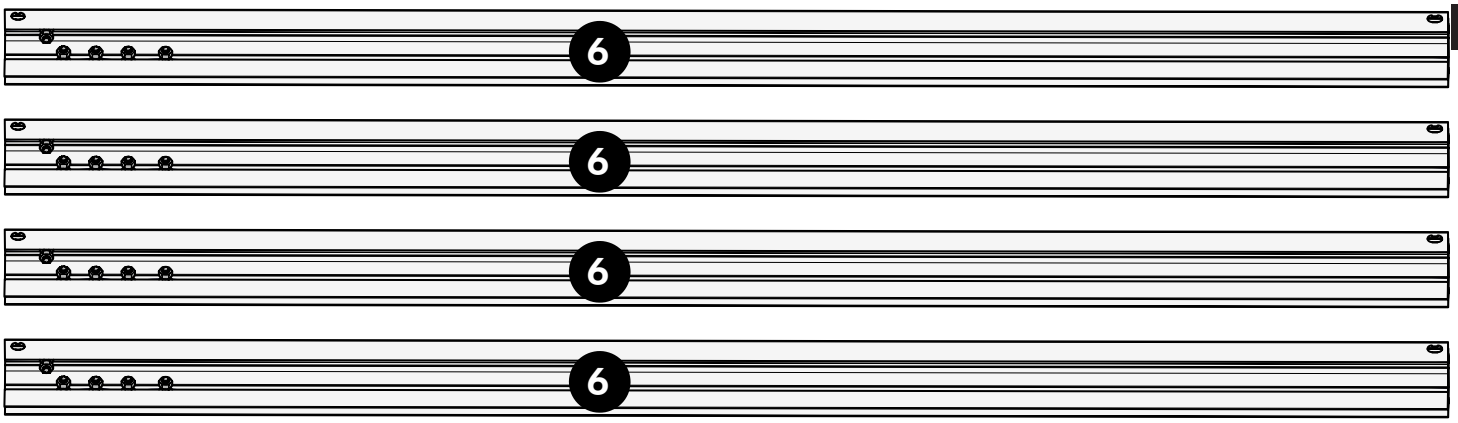
07 It that can stand



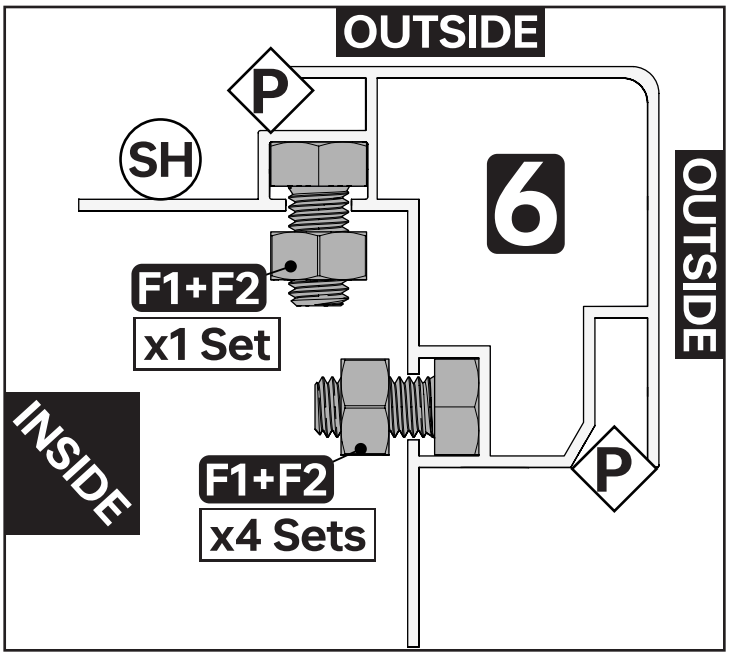
Note

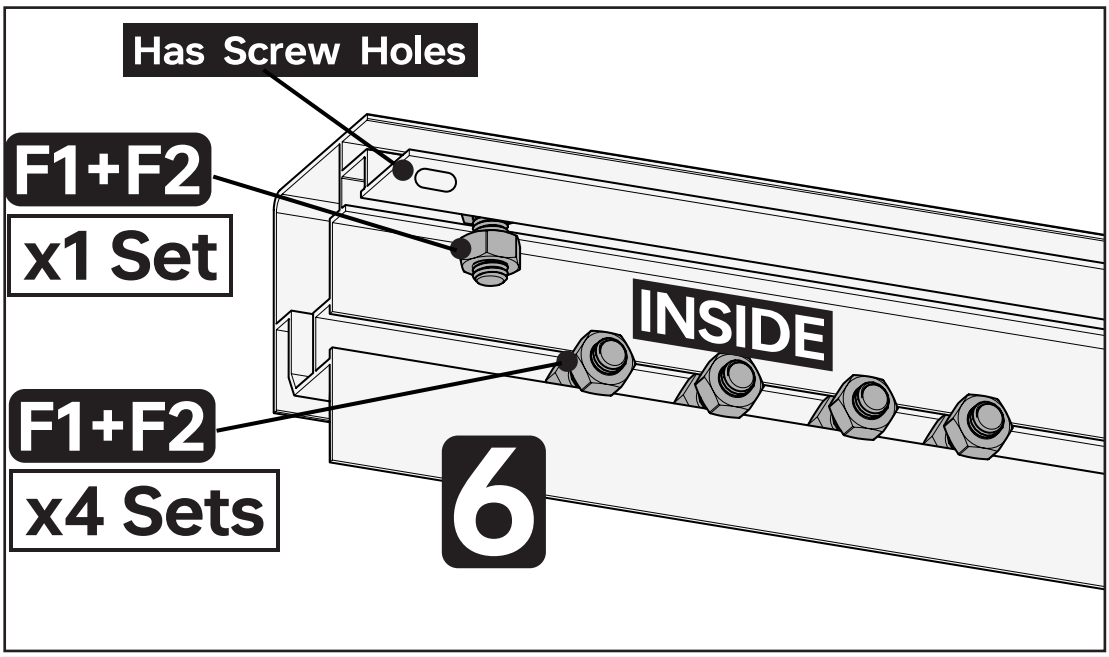
Starting with this step, the foundation of the greenhouse will no longer be shown in the illustrations. This is done to improve the visual clarity of the diagrams and to allow for a better focus on the components being assembled.

Important Note: Do not disassemble your greenhouse from the foundation. The foundation should remain in place, and your greenhouse should remain securely attached to it. The foundation is simply being hidden in the illustrations to enhance clarity.



Part	Qty
6	4
F1+F2	20





Note

Understanding Part 6 (Similar to Part 2, but with Two Active Channels):

Identifying the Correct Channels: Locate the side of Part 6 that has pre-drilled screw holes. This side is marked with a circle and the letters “SH.”

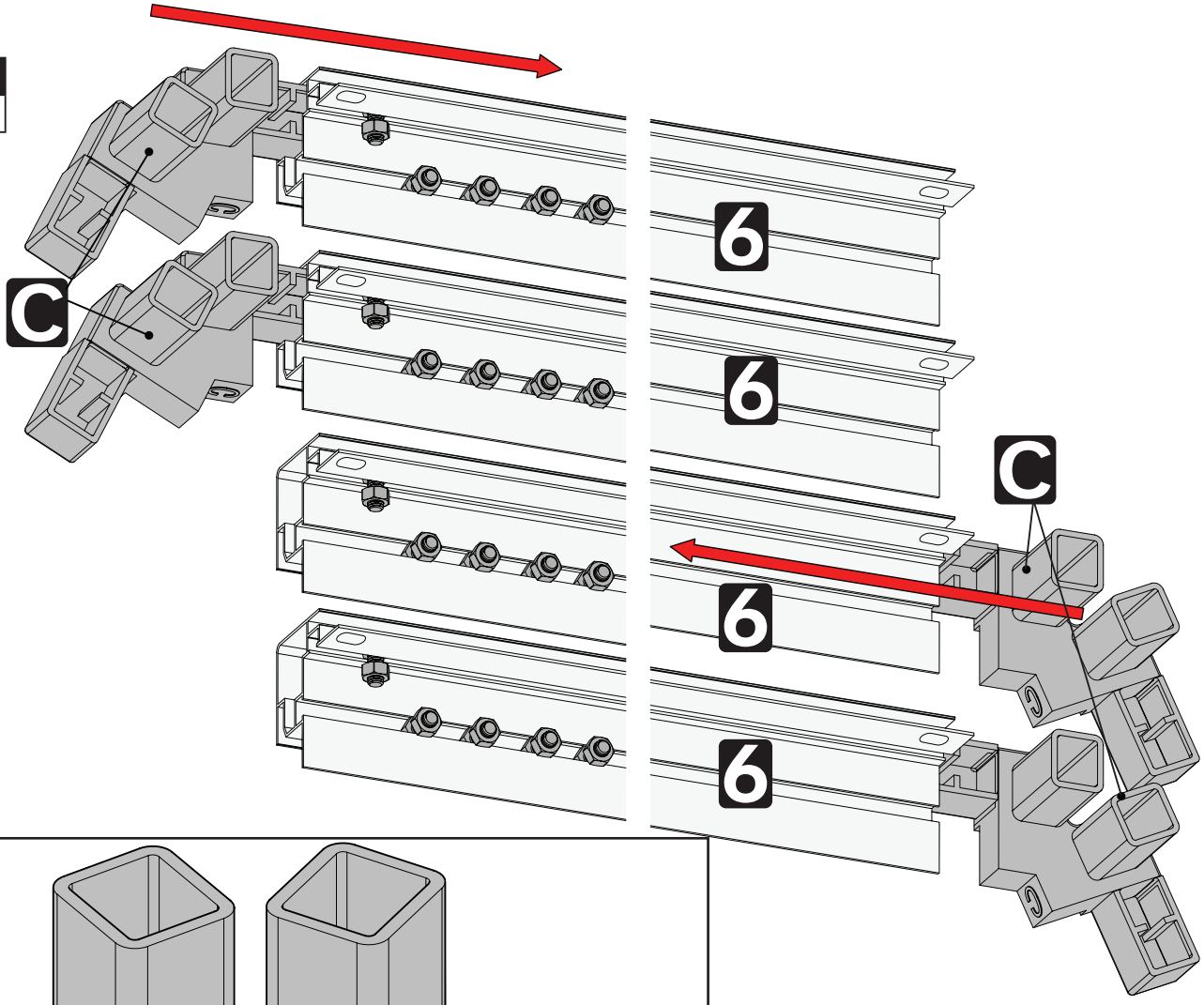
Inserting the F1+F2 Sets:

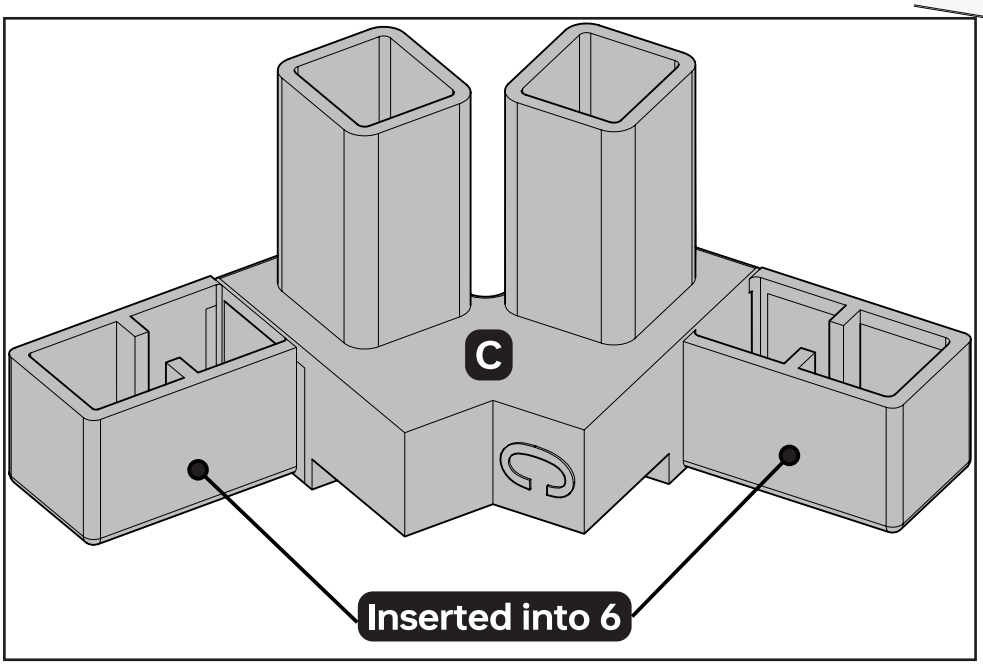
*** Channel Closer to SH Side:** Insert one set of F1+F2 into the bolt channel that is closer to the side with the screw holes.

*** Channel Further from SH Side:** Insert four sets of F1+F2 into the other bolt channel.

2

Part	Qty
C	4





NOTE

Adding C Components to Part 6:

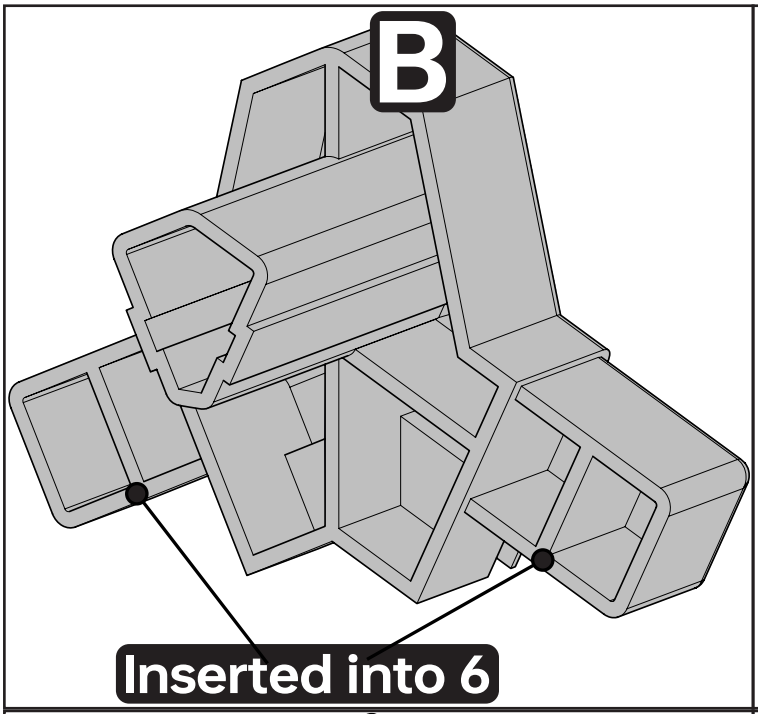
Choose two of the Part 6 sets that have five F1+F2 sets inserted into the bolt channel. Attach two C components to the end of Part 6 where the F1+F2 sets are located.

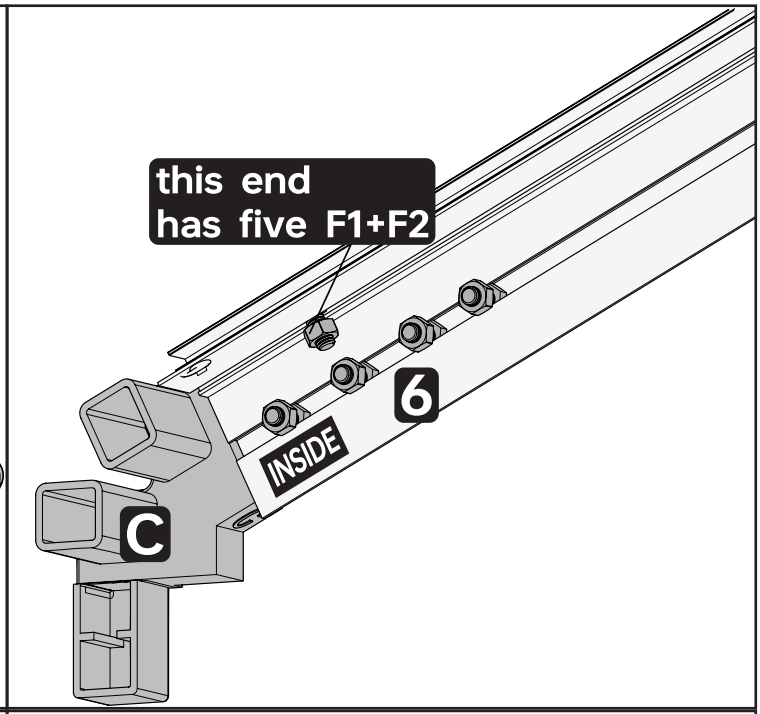
Choose the remaining two Part 6 sets. Attach two C components to the opposite end of Part 6 (the end without the F1+F2 sets).

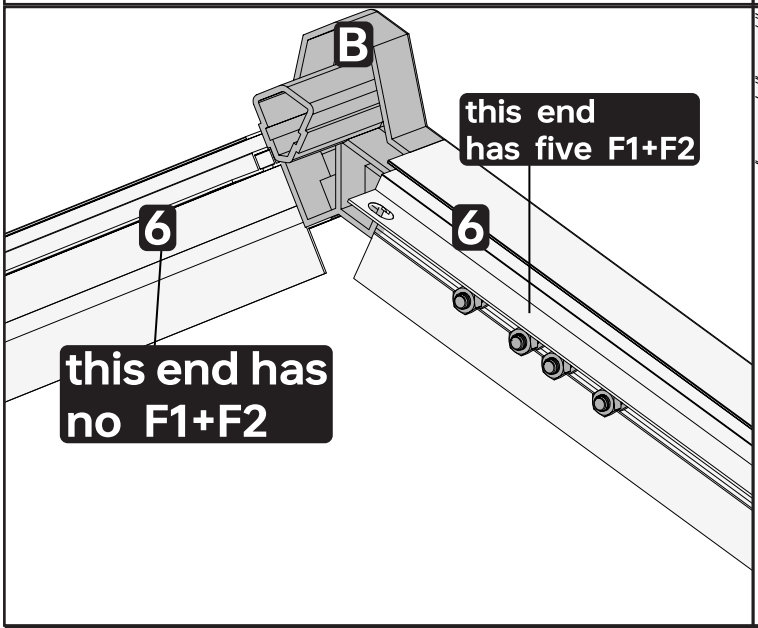
3

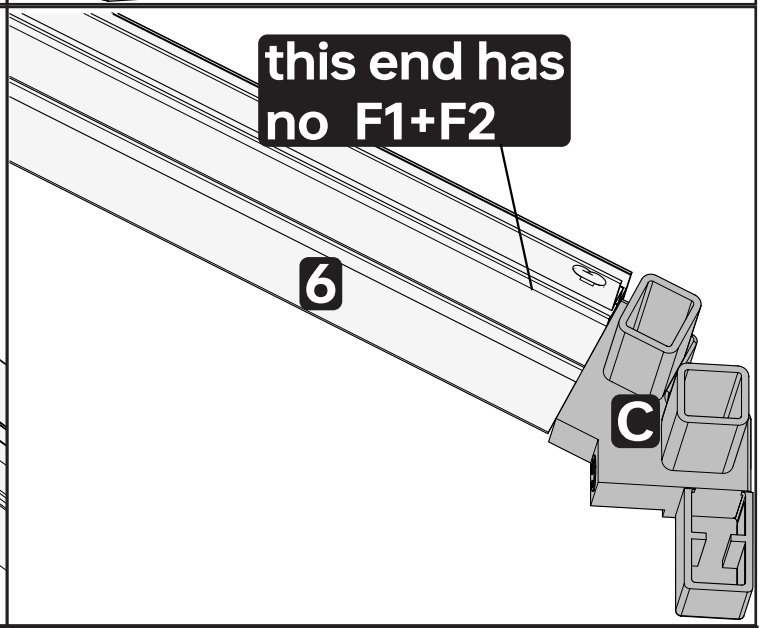
Part	Qty
B	2

X 2









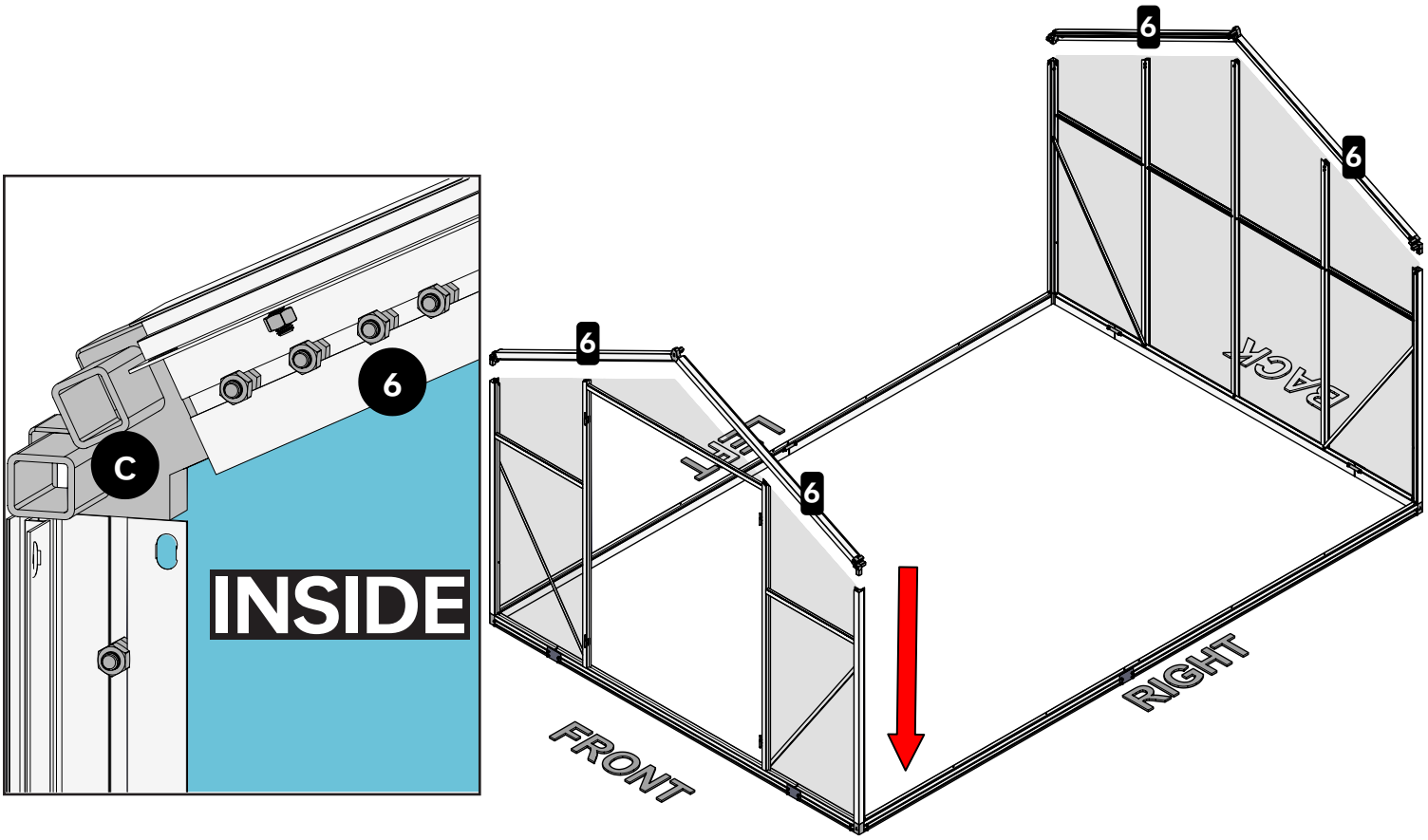
NOTE

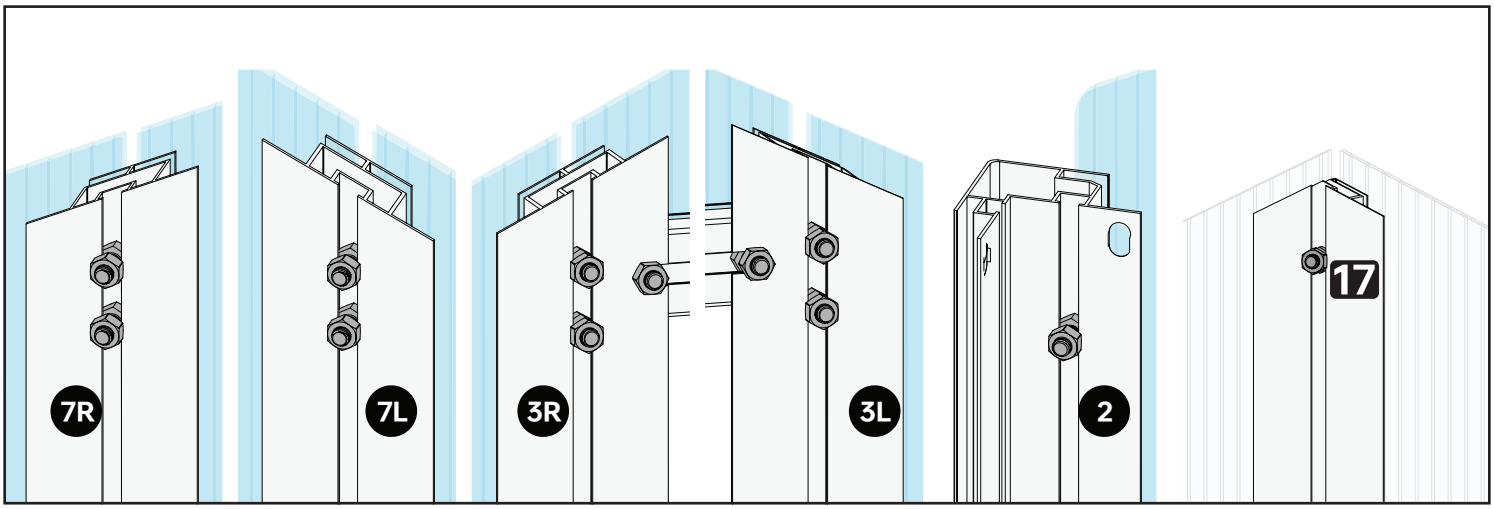
Positioning of F1+F2 and Assembling Multiple 6+B+6 Sets:

Clarification on F1+F2 Placement: During assembly, the five sets of F1+F2 inserted into Part 6 will slide down due to gravity until they are stopped by the C components. The illustrations depict them in a higher position for visual clarity.

Repeating the Steps: Repeat this step until you have assembled two complete sets of 6+B+6.

4





Note

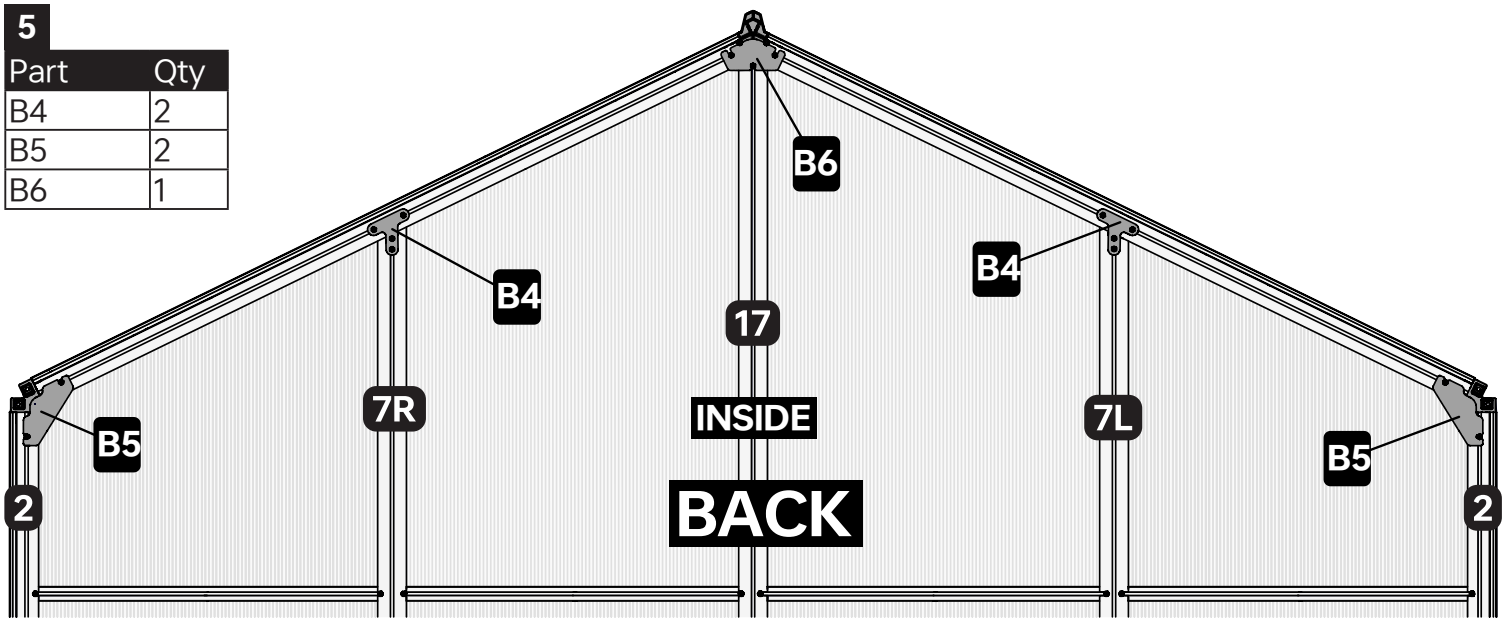
Verify F1+F2 Placement Before Proceeding:

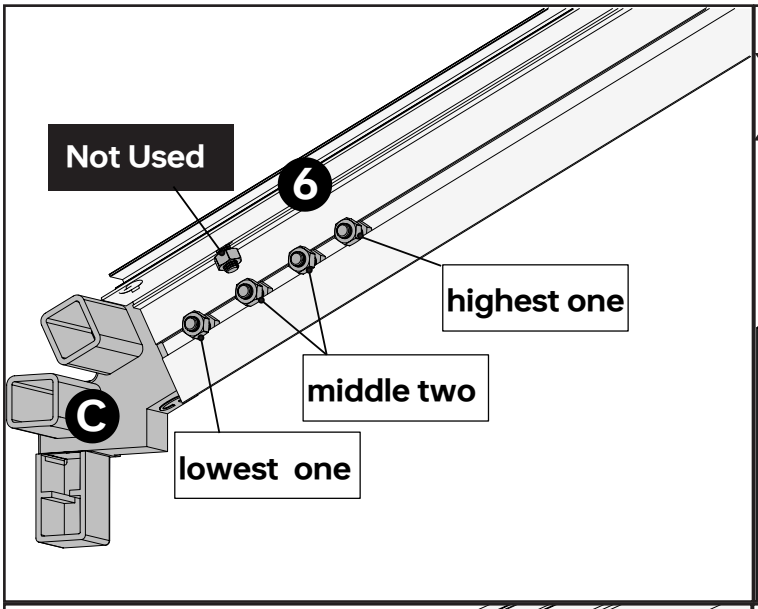
Before proceeding to the next step, it's crucial to verify the correct placement of the F1+F2 sets within the designated bolt channels.

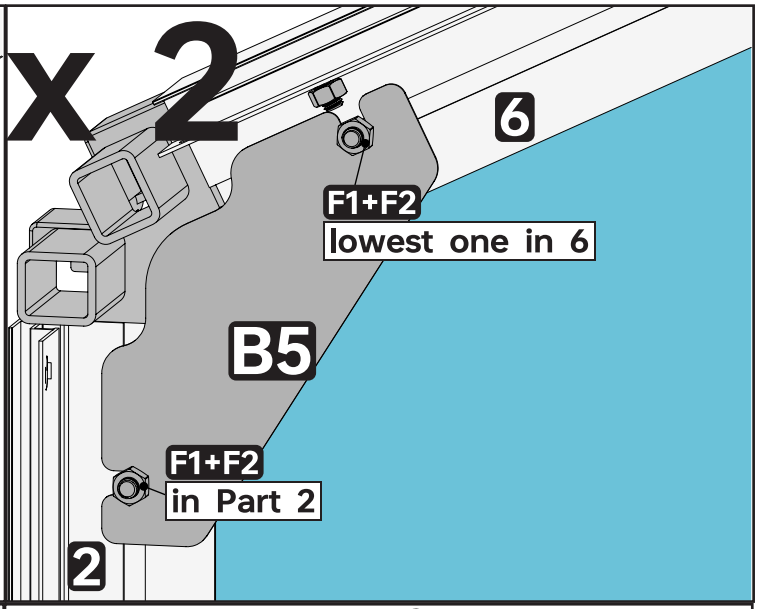
Checklist:
Parts 3L, 3R, 7L, and 7R: Confirm that each of these parts has two sets of F1+F2 inserted into their respective bolt channels.
Parts 2 and 17: Confirm that each of these parts has one set of F1+F2 inserted into their respective bolt channels.

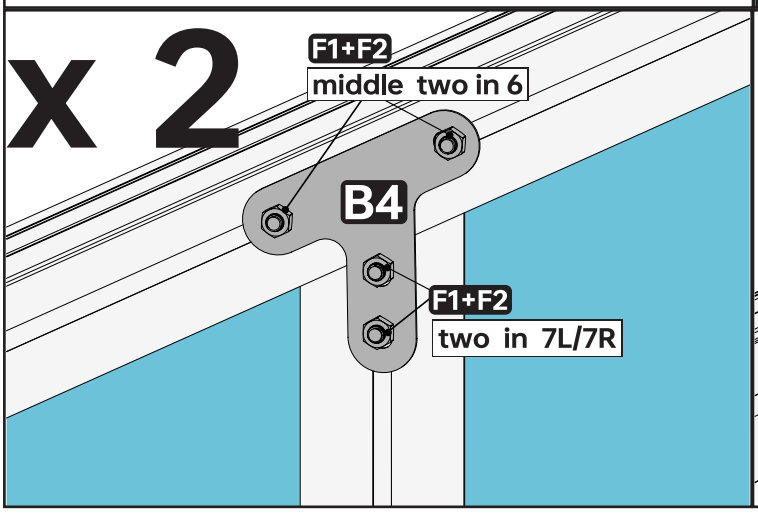
5

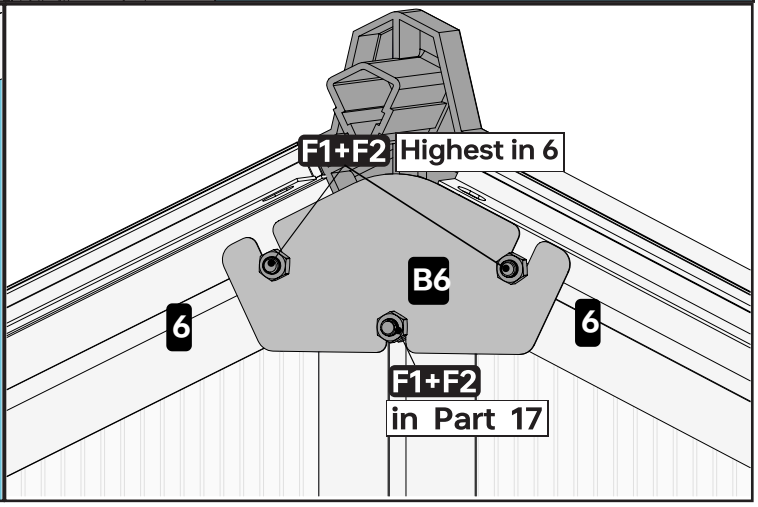
Part	Qty
B4	2
B5	2
B6	1









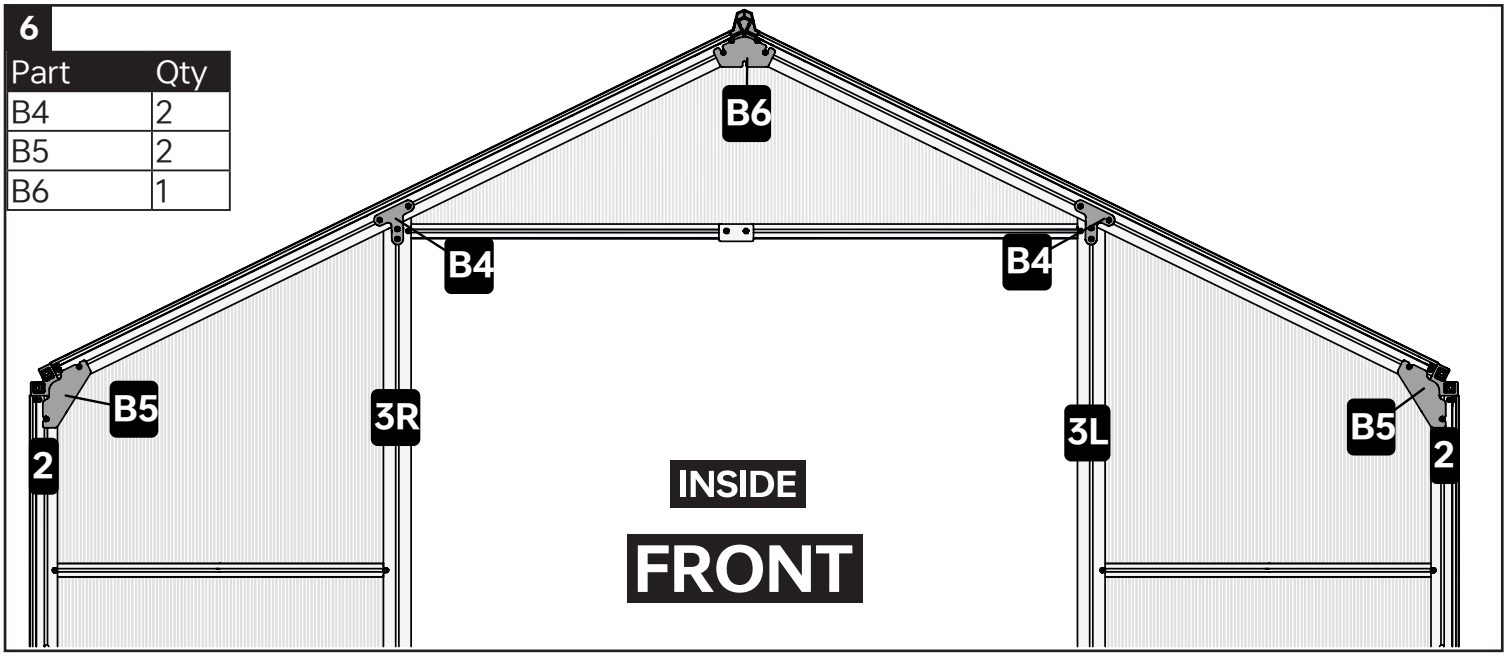


NOTE

Understanding the Purpose of Each F1+F2 Set in Part 6:
Part 6 has four sets of F1+F2 inserted into its main bolt channel and one set inserted into a separate channel. Here's how each set is used:
Lowest Set (Closest to the Bottom): This set is used to connect Part 6 to Part B5 and Part 2.
Middle Two Sets: These two sets are used to connect Part 6 to Part B4 and 7L/7R .
Highest Set (Closest to the Top): This set is used to connect Part 6 to Part B6 and 17.
Single Set in Separate Channel: This set is not used in this step and will be utilized later in the assembly process.

6

Part	Qty
B4	2
B5	2
B6	1



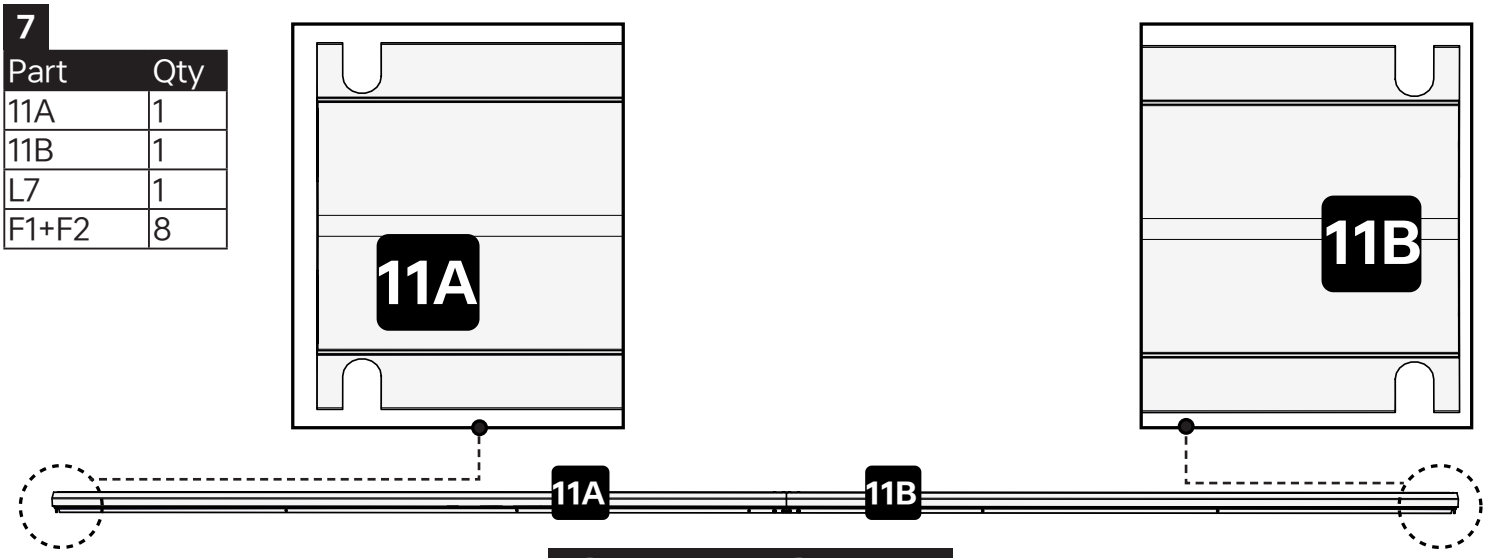
NOTE

Repeating the Process with a Slight Modification for B6:

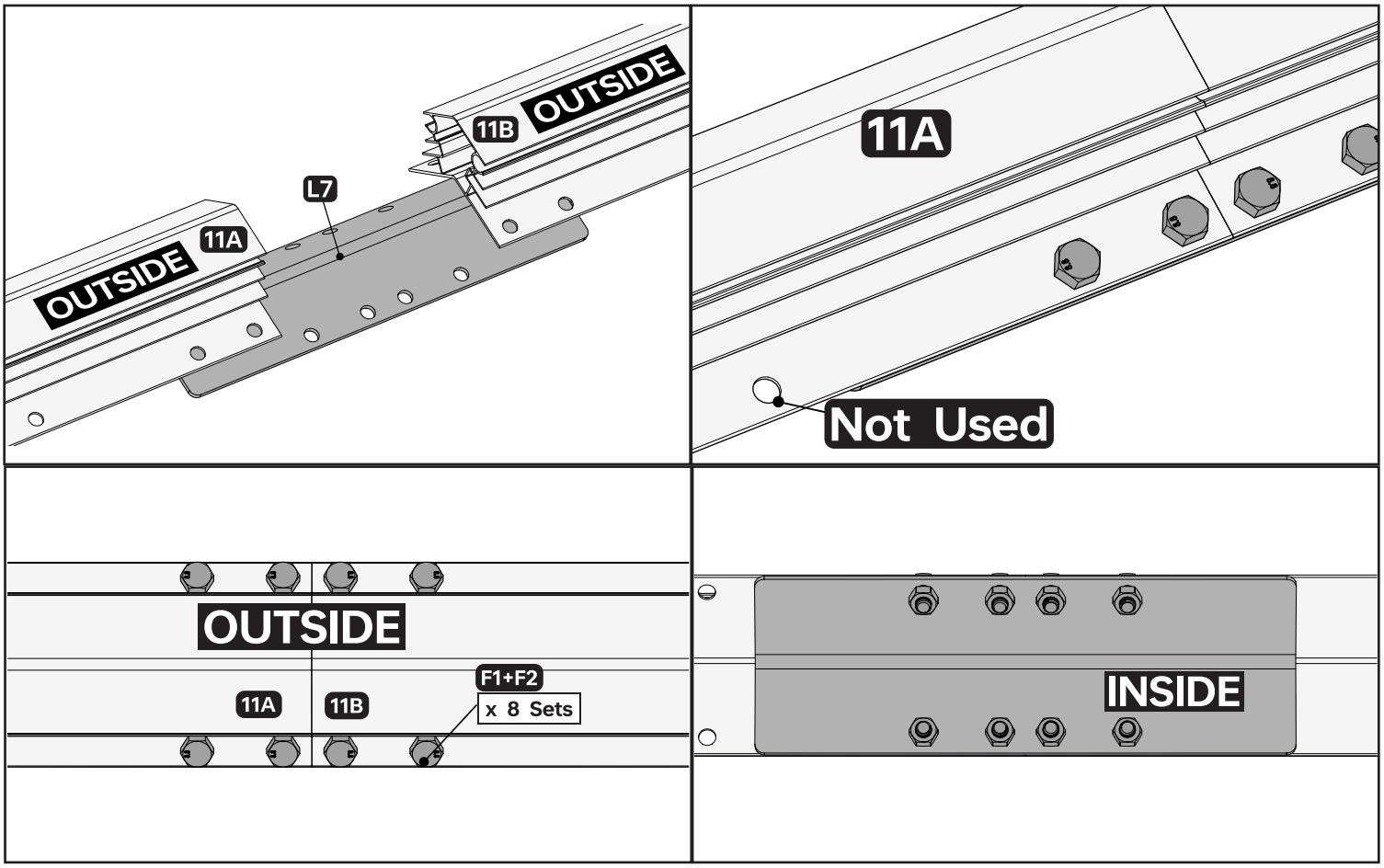
This step closely resembles the previous step, with one key difference: you will only be using two sets of F1+F2 to connect to Part B6. All other connections remain the same.

7

Part	Qty
11A	1
11B	1
L7	1
F1+F2	8



OUTISDE



NOTE

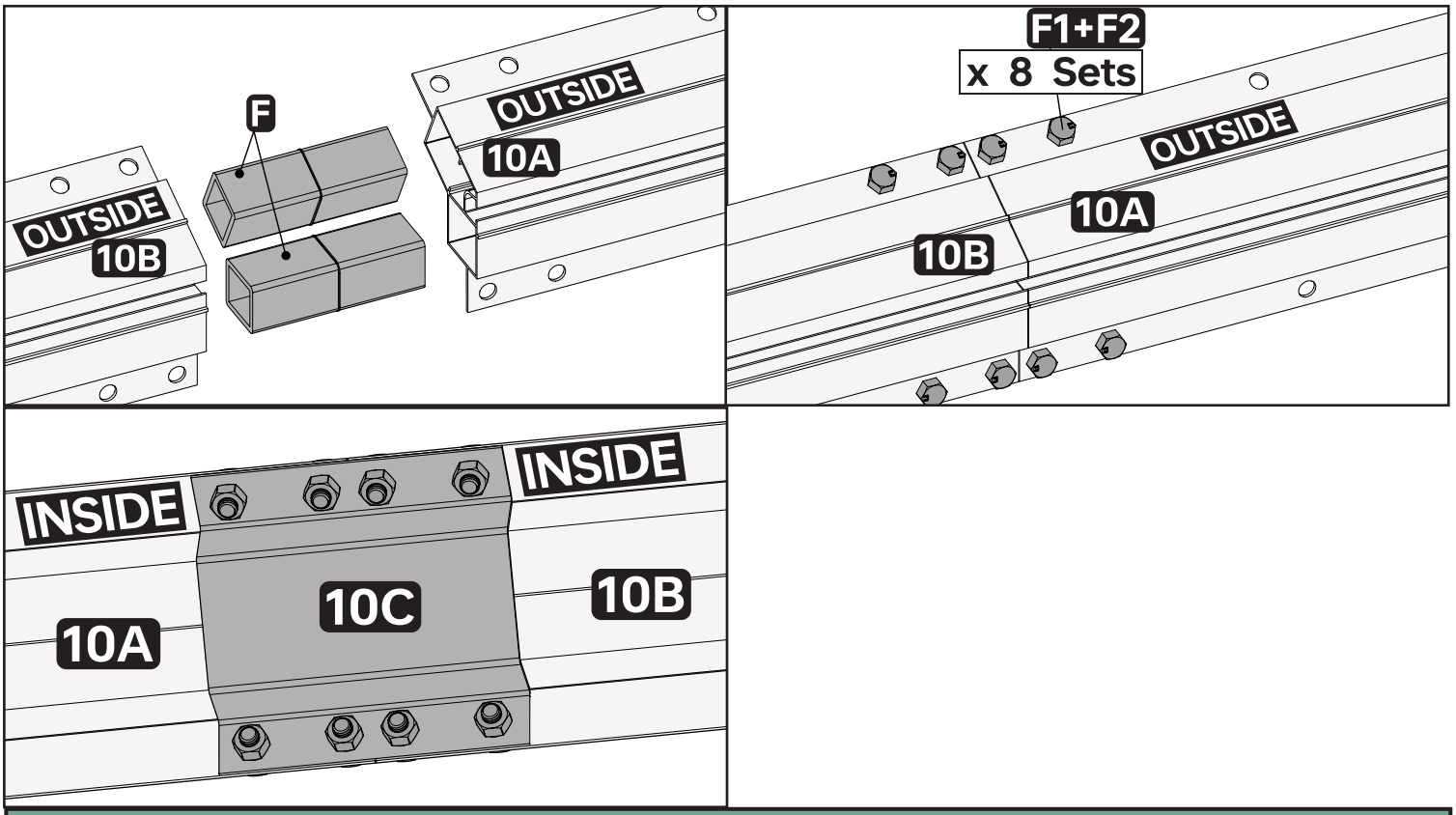
Assembling 11A and 11B: Selecting the Correct Ends

Distinguishing the Ends: Part 11A and Part 11B each have two distinct ends: one end with four screw holes and one end with two semi-circle holes.
Connecting with the Four-Hole Ends: Align the ends of 11A and 11B that have four screw holes. Connect these ends together using the appropriate hardware.
Note Regarding Additional Holes: You'll notice two extra screw holes near the four-hole end of 11A. These holes will be used in a later step, so do not use them during this connection.

8

Part	Qty
10A	2
10B	2
10C	2
F	4
F1+F2	16

x 2



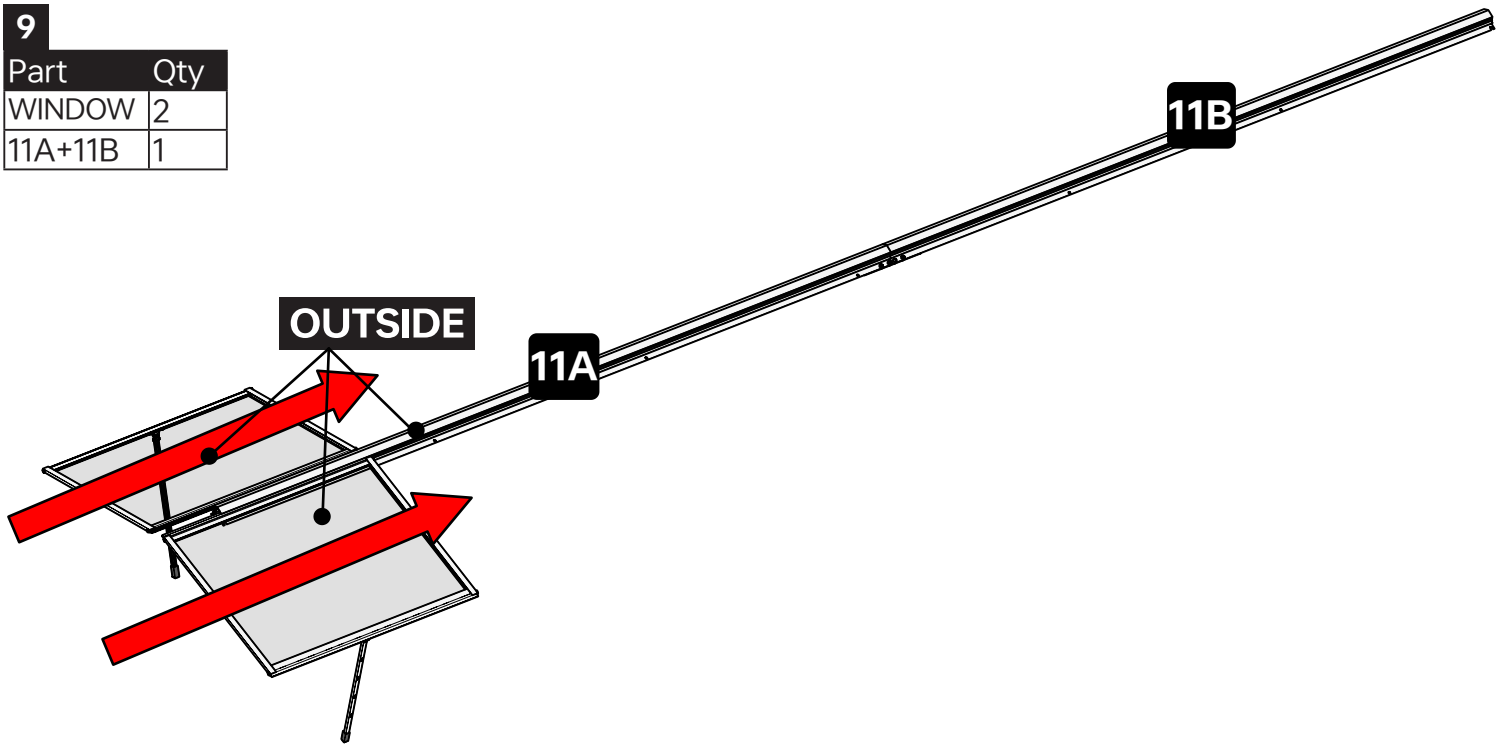
NOTE

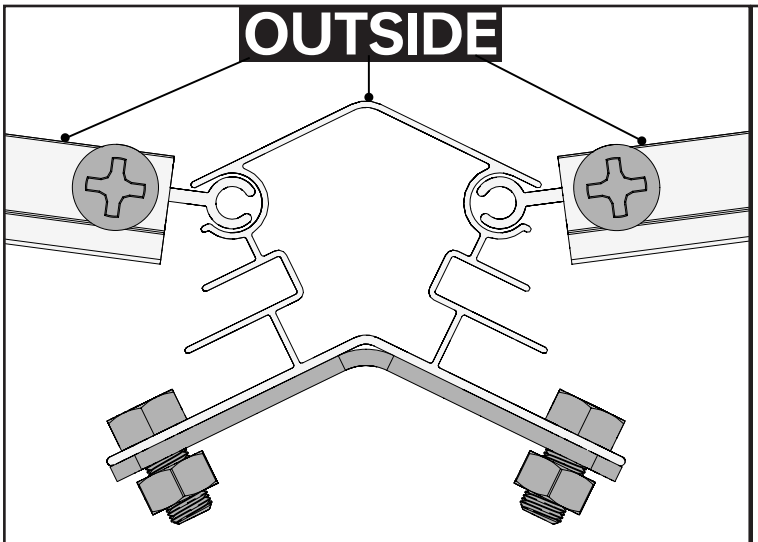
Assembling 10A and 10B: Following a Familiar Pattern:
This step closely mirrors the previous step, with one key difference: you will be inserting two sets of Part F into each assembled 10A+10B unit.

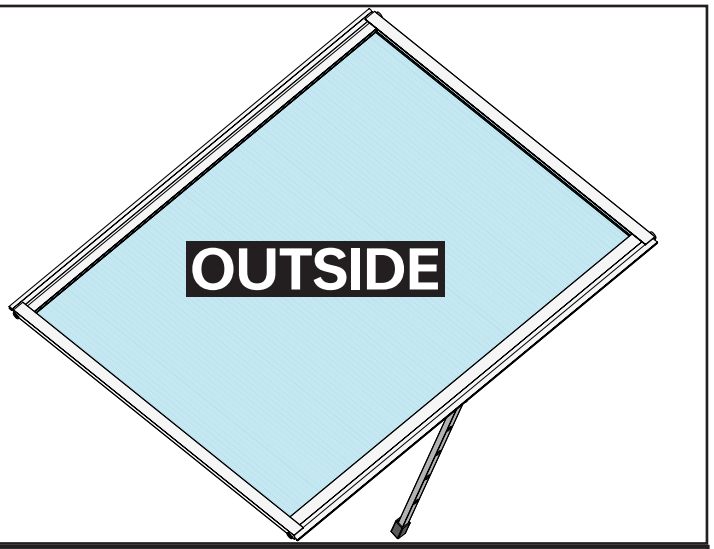
Identifying the Correct Ends: As with parts 11A and 11B, each 10A and 10B has a distinct end with four screw holes and an end with two semi-circle holes.
Connecting 10A and 10B: Align the four-hole ends of 10A and 10B and connect them using the appropriate hardware.
Inserting Part F: Insert two sets of Part F into the designated location on the assembled 10A+10B unit.
Repeating for the Second Set: Repeat steps 1-3 to create a second, identical set of 10A+10B.

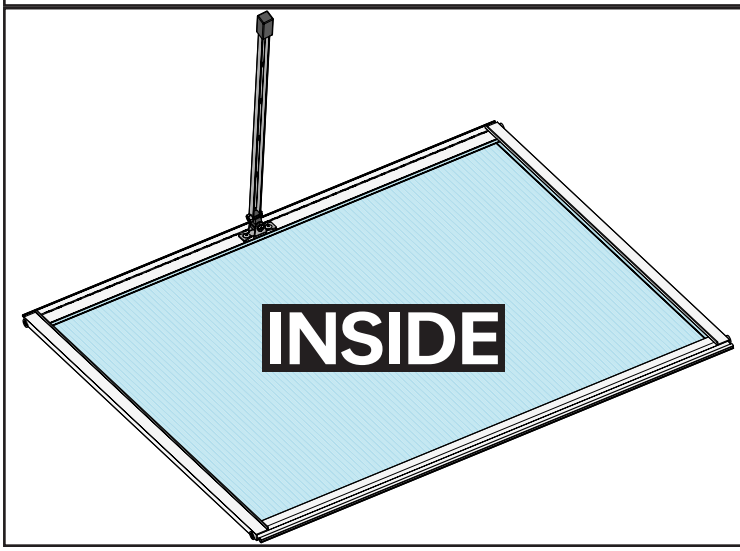
9

Part	Qty
WINDOW	2
11A+11B	1







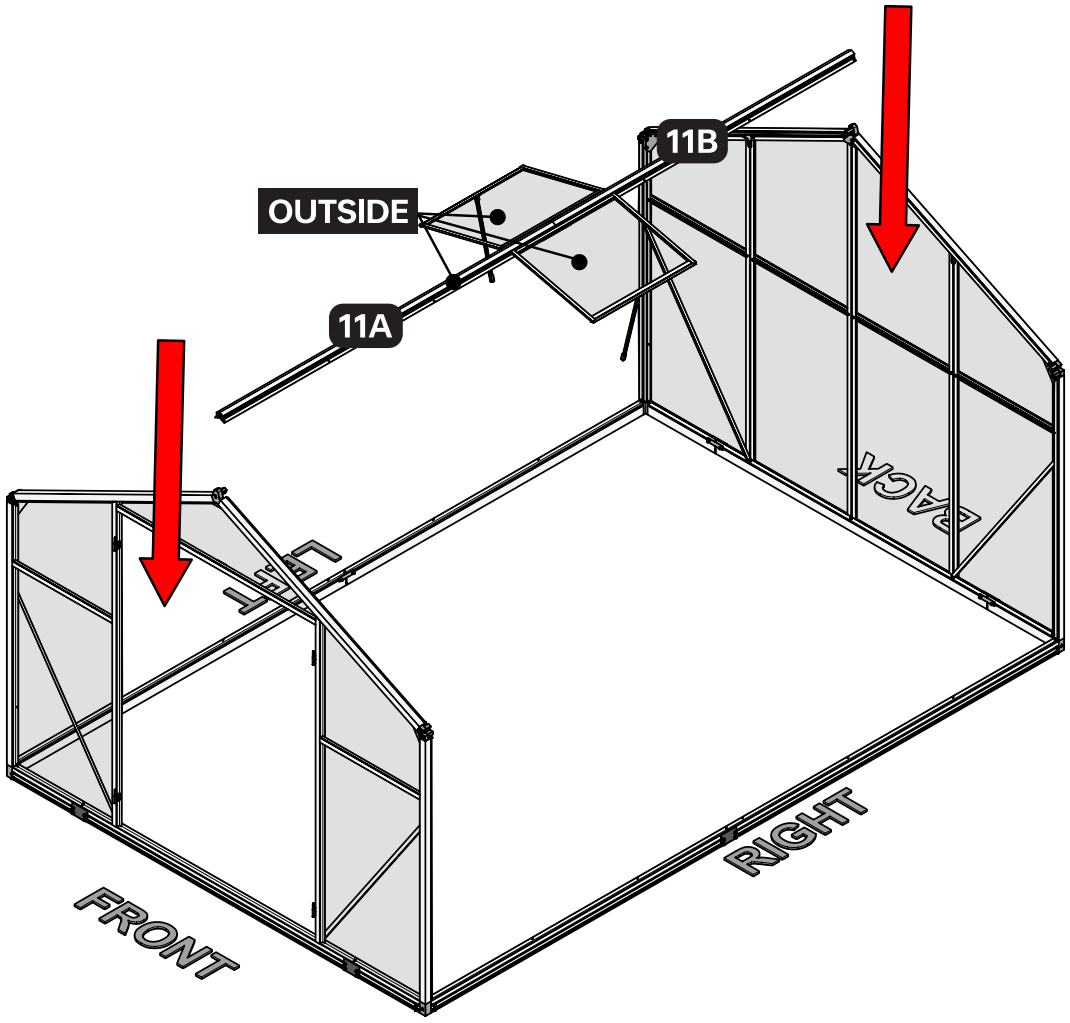


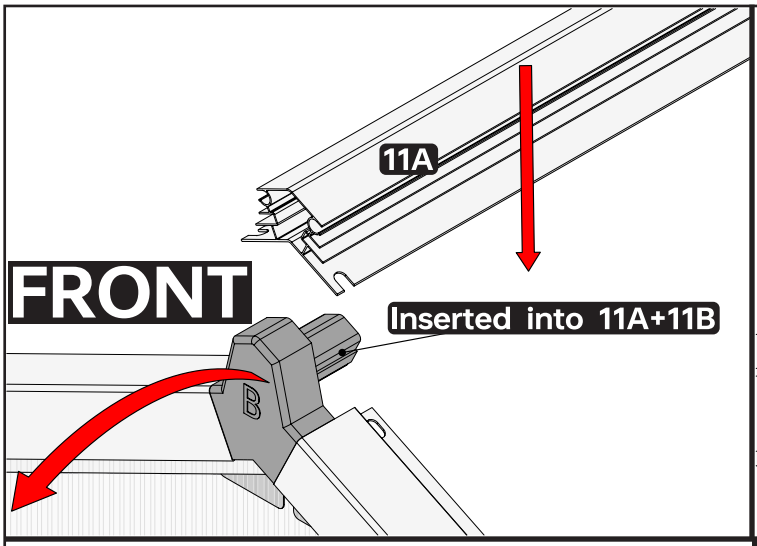
NOTE

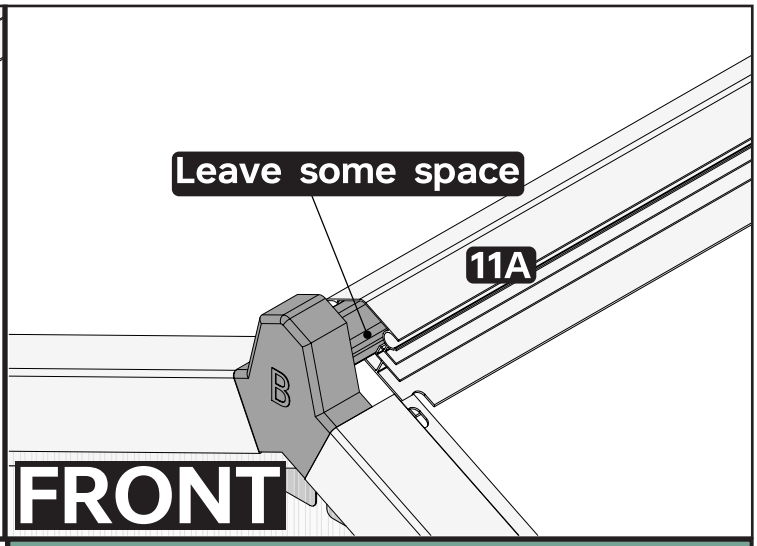
Inserting Windows (Check Orientation):

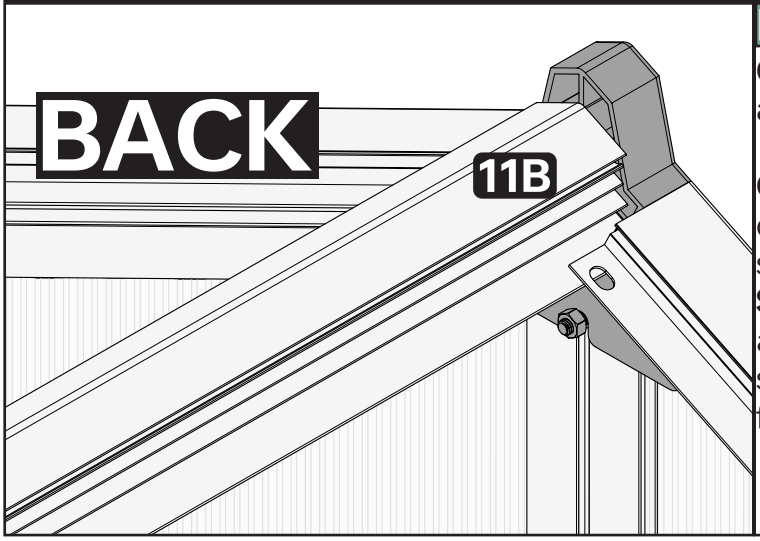
Slide Windows into Channels: Gently slide the two window sets, which you assembled in Chapter 4, into the designated channels on part 11A.
Double-Check Orientation: Before fully inserting the windows, double-check that you have the correct orientation. The inside of the windows should be facing inward, and the outside should be facing outward.

10









NOTE

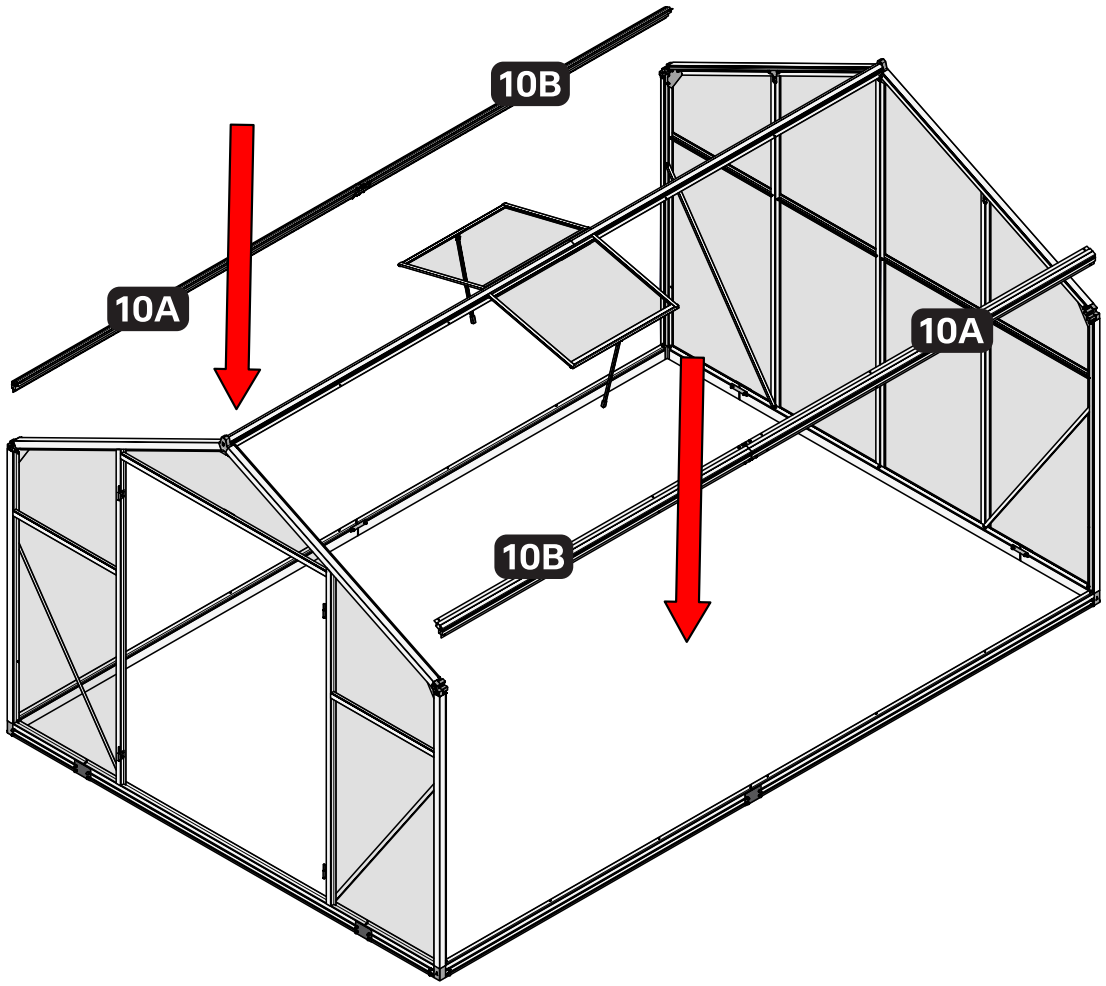
Connecting 11A+11B to the Frame: Bending and Spacing:

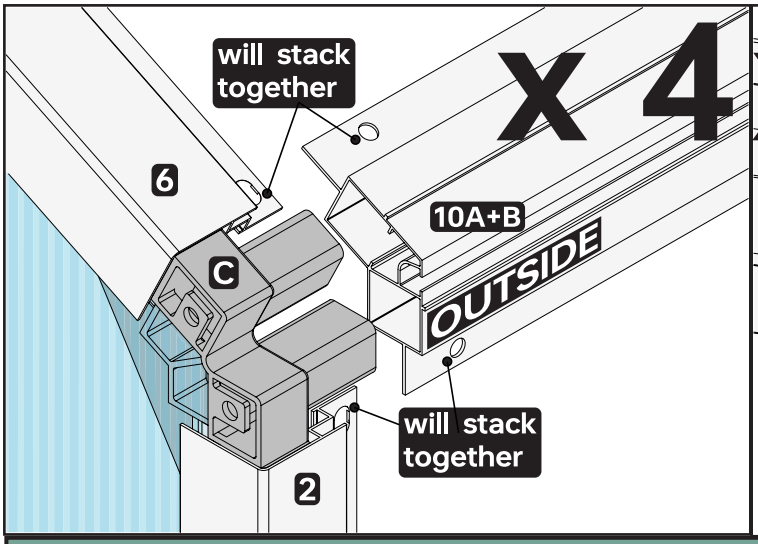
Careful Bending: Carefully bend the front section of the frame slightly outward to create enough space to attach 11A+11B.

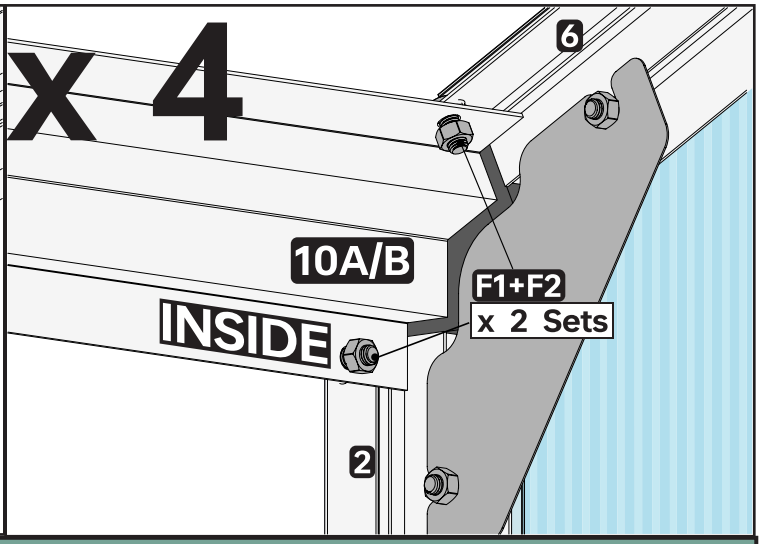
Spacing Between B and 11A: Ensure there is a gap between Part B and 11A at the front of the structure. This spacing is intentional and necessary for proper fit for later steps.

11

Part	Qty
10A+10B	2
F1+F2	8







NOTE

Connecting 10A+10B: Utilizing the Gap and Aligning Screw Holes:

Purpose of the Gap: The gap left between Part B and 11A in the previous step was intentional to provide space for attaching 10A+10B.
Attaching 10A+10B: Align the screw holes on 10A+10B with the corresponding holes on Part 6 and Part 2 at each corner. Securely attach using two new sets of F1+F2 at each corner.
Closing the Gap: Once 10A+10B is securely in place, close the gap between Part B and 11A at the front of the greenhouse.

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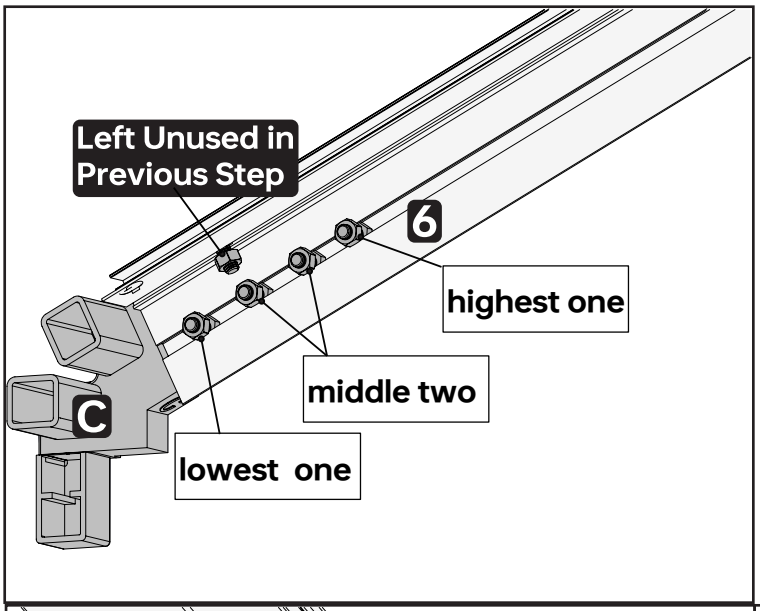
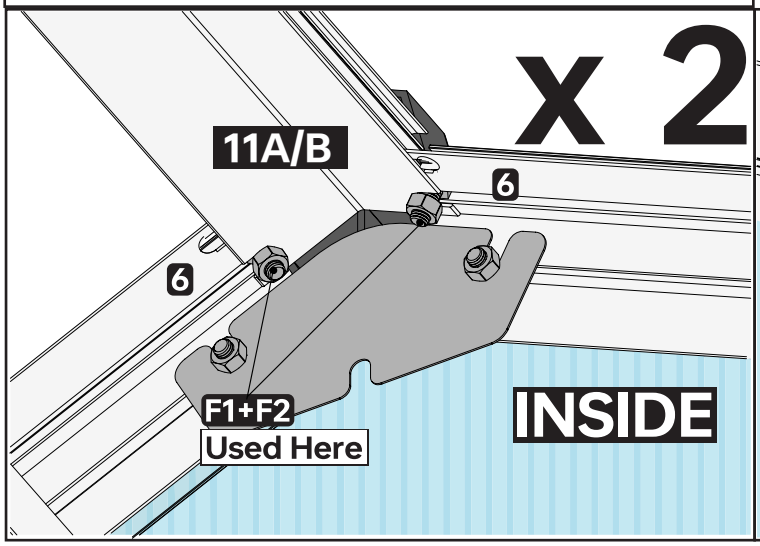
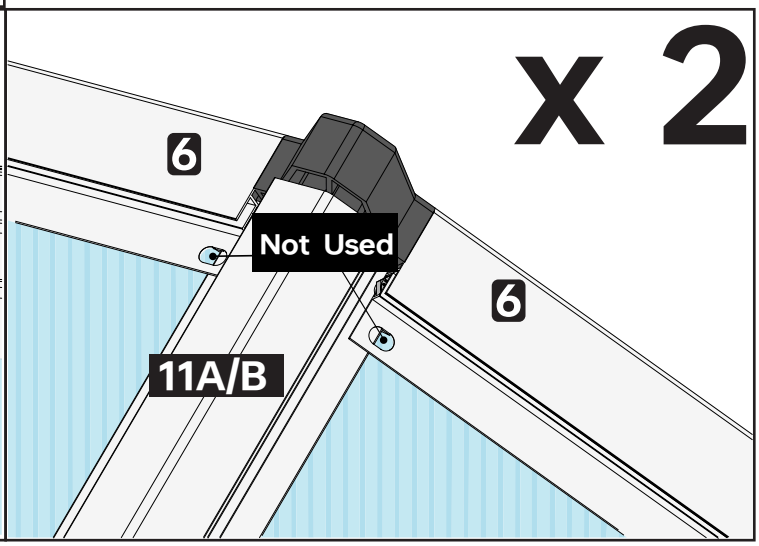


NOTEOTE

Utilizing the Remaining F1+F2 Set in Part 6:

Identifying the Unused Set: Recall that in a previous step, you inserted five sets of F1+F2 into the two bolt channels of Part 6. Four of these sets have already been used. Locate the remaining unused set at both the front and back corners.
Sliding the Set Upward: Slide the unused F1+F2 set towards the top of Part 6.
Connecting 11A+11B: Use this F1+F2 set to connect the 11A+11B assembly to the two Part 6 pieces at each corner.



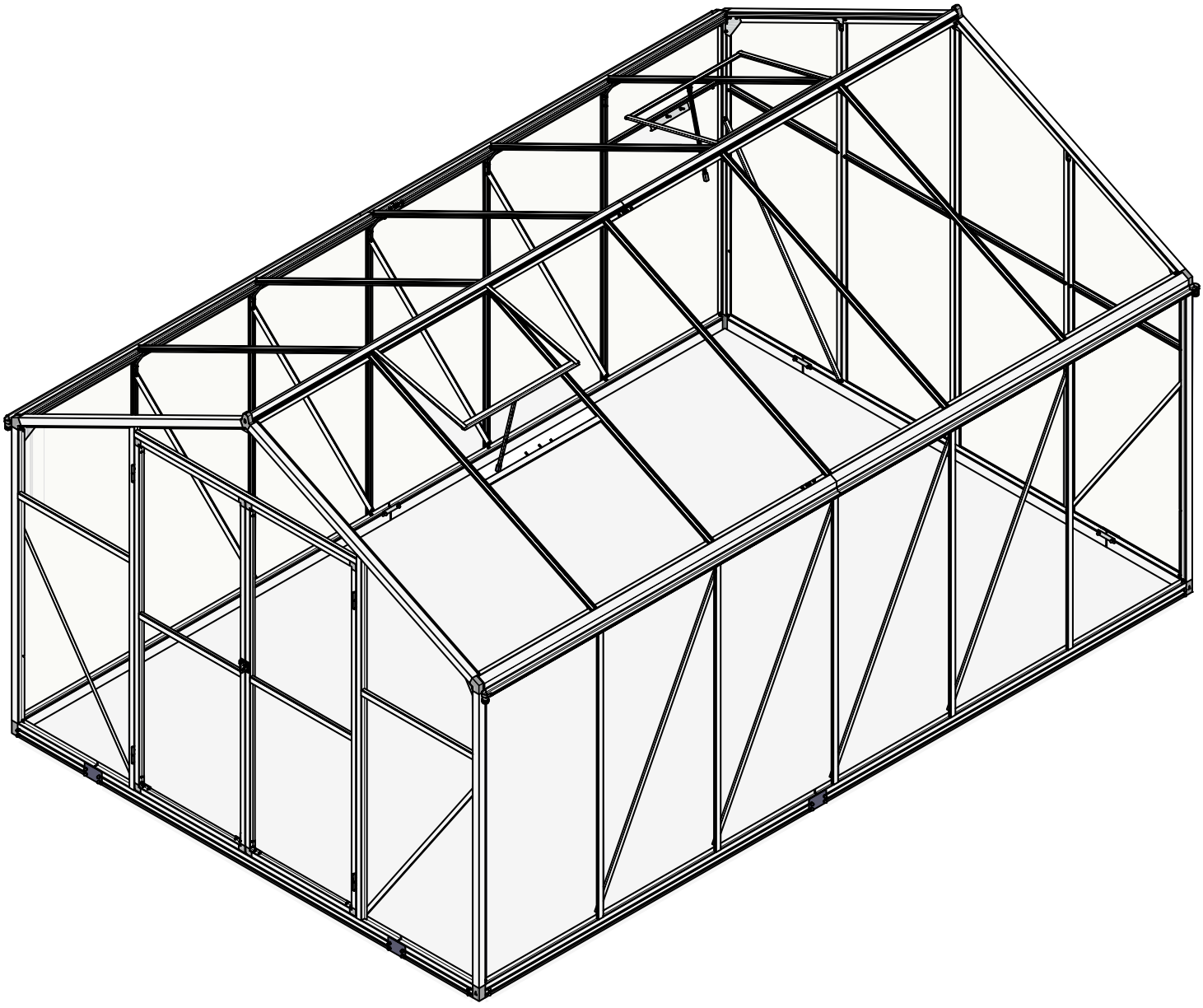


NOTE

Screw Hole Alignment: Not All Holes Will Be Used:

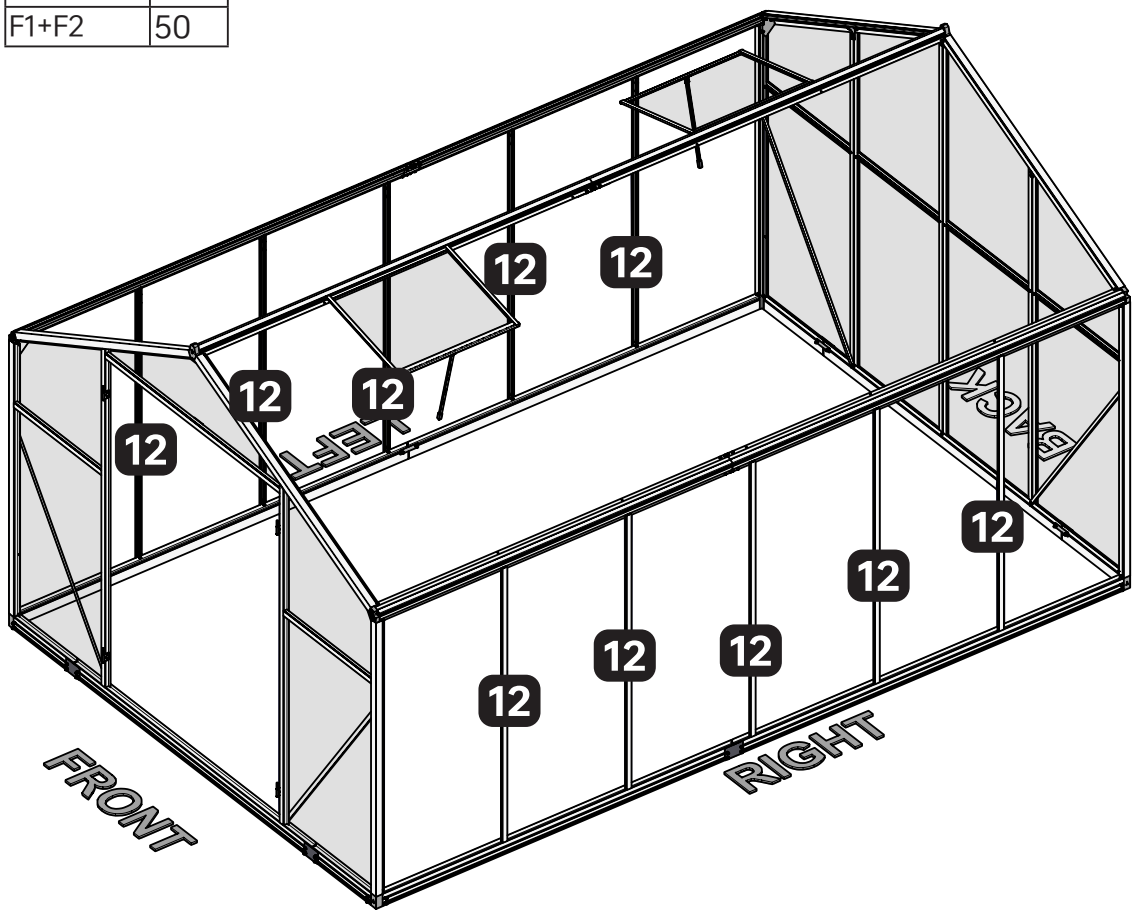
When attaching 11A+11B to Part 6 at the front and back corners, you'll observe that four screw holes on Part 6 do not have corresponding holes on 11A+11B. This is intentional. These holes are not used for this specific connection.

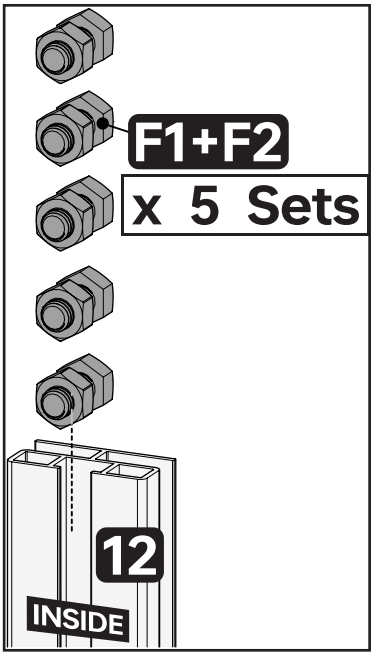
08 The Rest

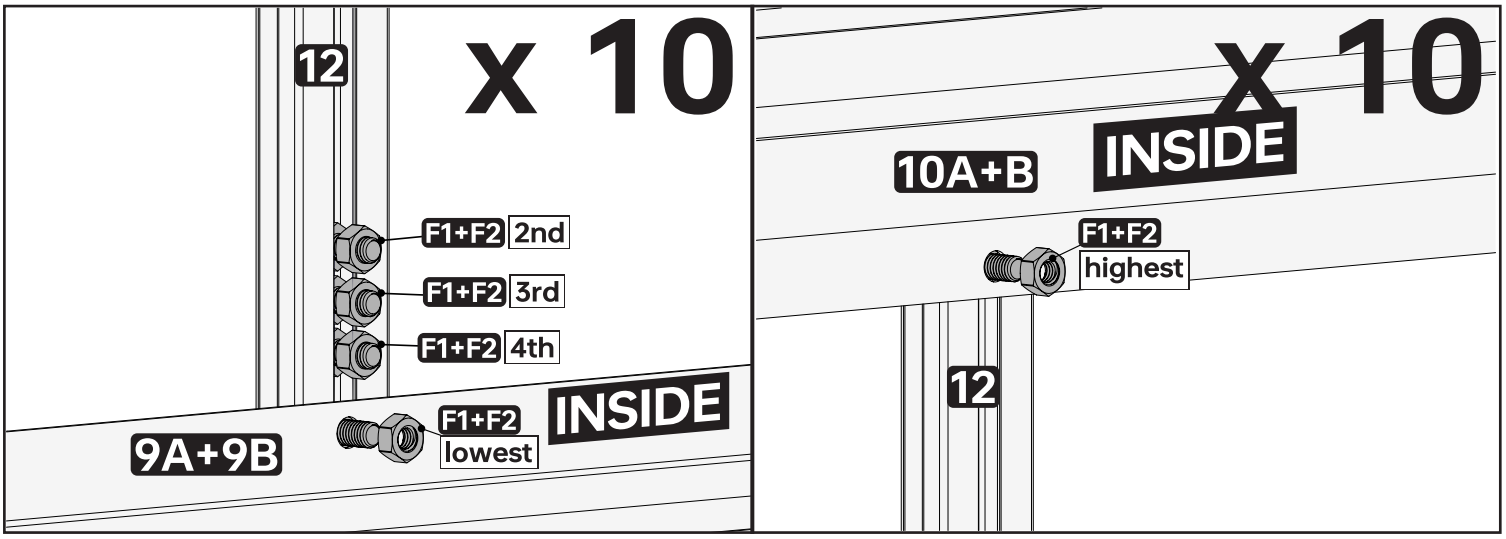


1

Part	Qty
12	10
F1+F2	50







Note

Preparing Part 12 and Attaching to Frame:

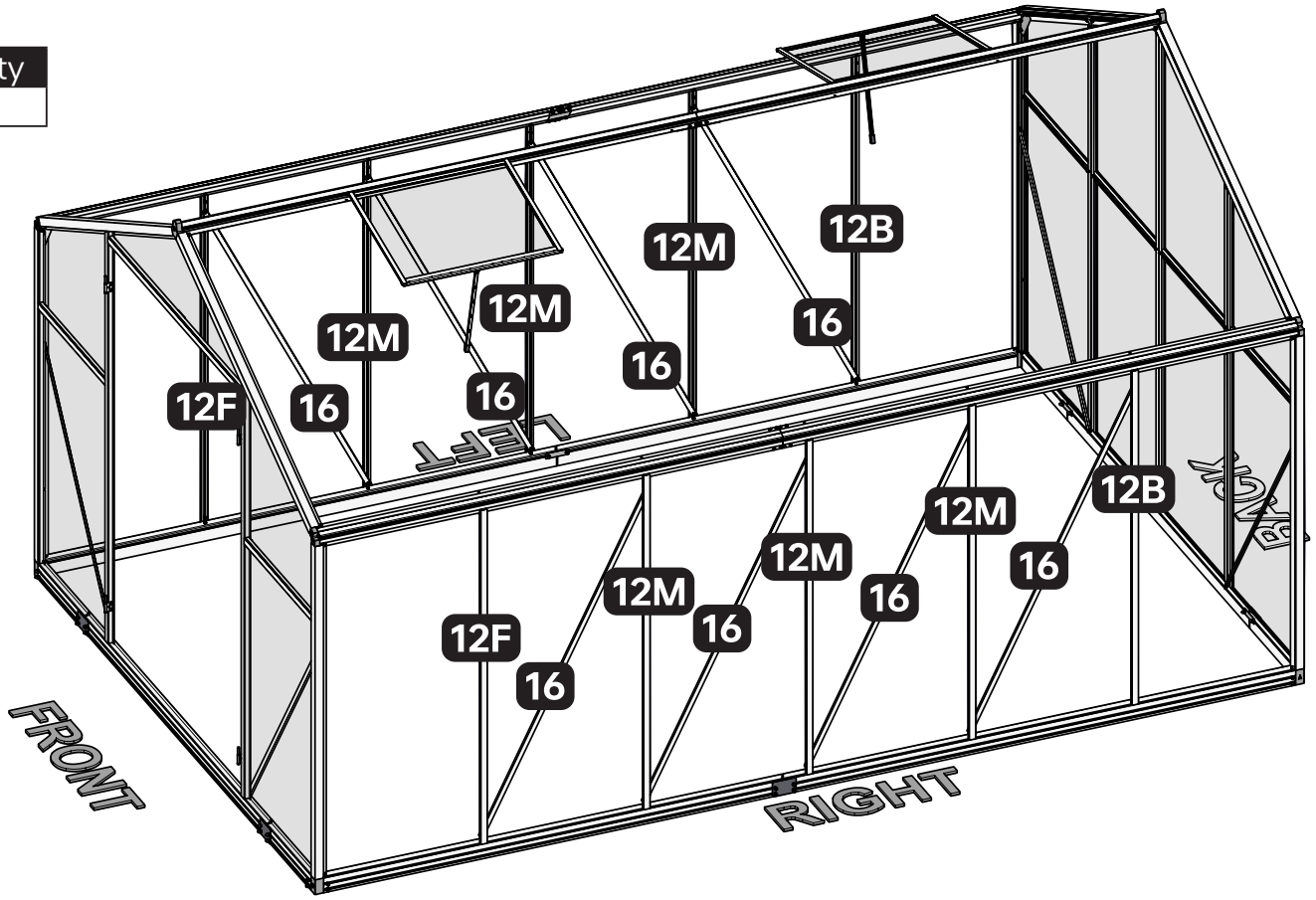
Preparing Part 12: Slide five sets of F1+F2 into the bolt channel of Part 12. For easier reference in the next step, label these sets from top to bottom as follows: **Highest, 2nd, 3rd, 4th, and Lowest.**

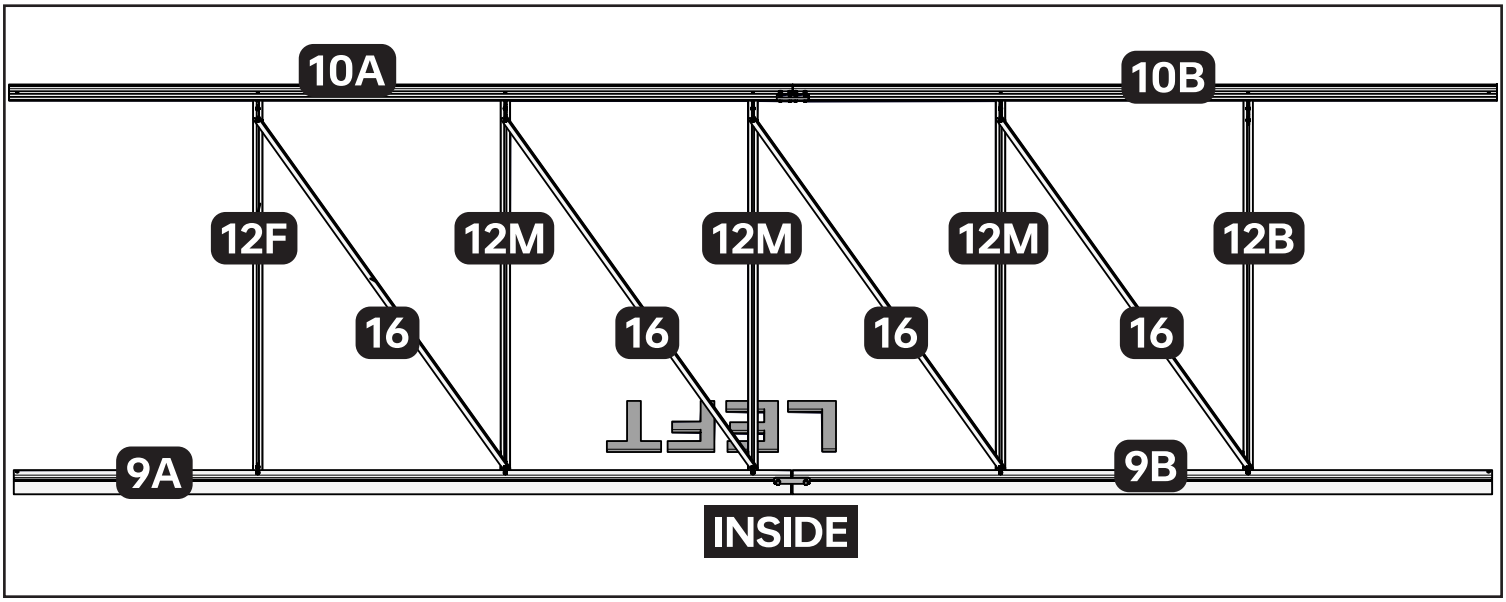
Attaching Part 12:

* Use the Highest set to connect Part 12 to the 10A+10B assembly.
* Use the Lowest set to connect Part 12 to the 9A+9B assembly.
* The three Middle sets (2nd, 3rd, and 4th) are not used in this step.

2

Part	Qty
16	8

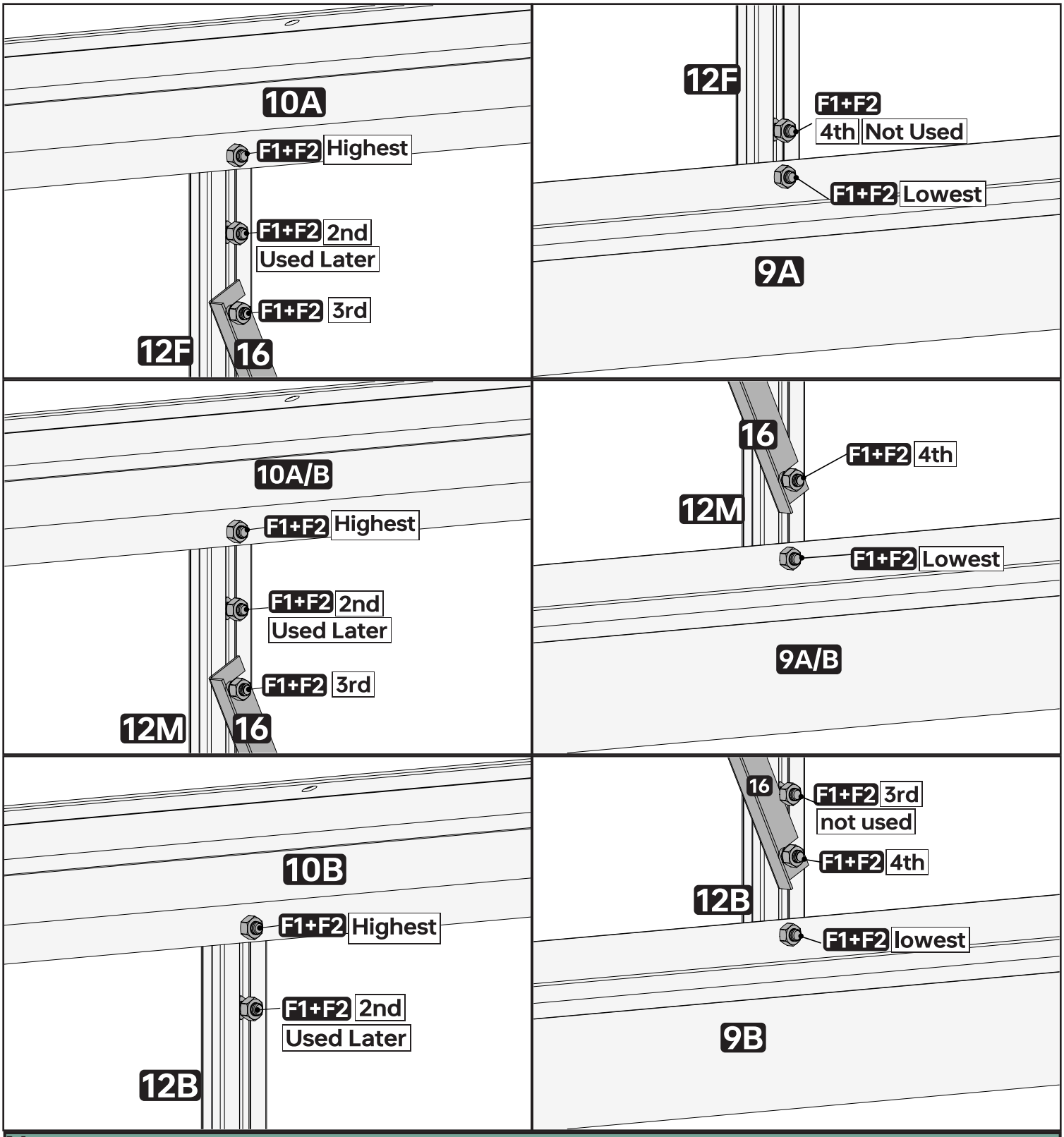




NOTE

Focusing on the Left Side and Introducing Part 12 Naming Conventions:

The following instructions will focus on the left side of the greenhouse for clarity. To avoid confusion, we will use acronyms to refer to the different Part 12 components based on their location:
12F (12 Front)
12M (12 Middle)
12B (12 Back)



Note

Understanding F1+F2 Set Usage in Part 12:

Previous Step: In the previous step, **five** sets of F1+F2 were inserted into the bolt channel of each Part 12 (12F, 12M, 12B). The highest and lowest sets have already been used.

Usage Varies:

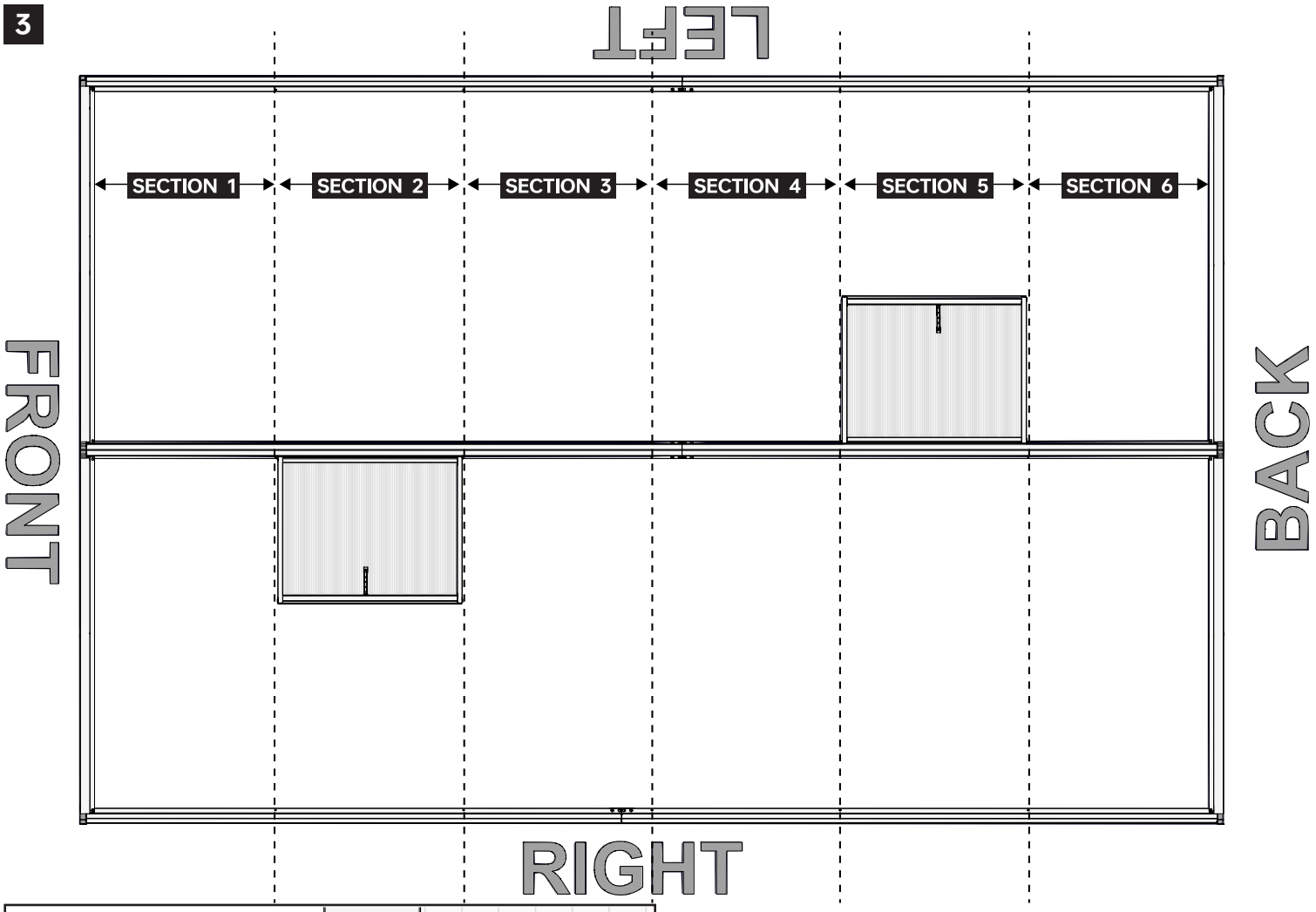
*** 12M (Middle):** All five sets of F1+F2 will be utilized.

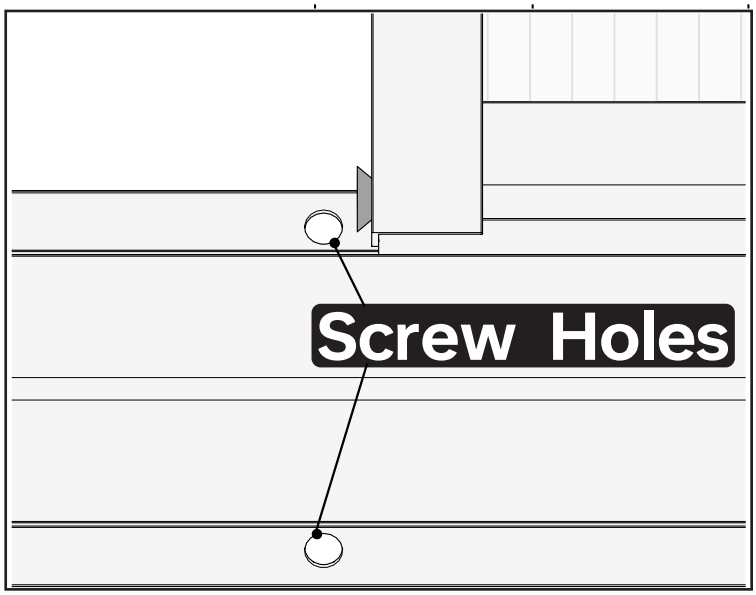
*** 12F (Front) and 12B (Back):** Only four of the five sets are used. The unused sets are marked as "not used" in the illustrations.

Why Unused Sets? While it might seem wasteful to have unused sets, this design reduces the risk of errors and makes the assembly process easier to follow. There are sufficient F1+F2 sets provided in the package to accommodate this.

Positioning F1+F2 2nd: Locate the second F1+F2 set and slide it upward so it is positioned **above** Part 16. This set will be used in a later step.

3





Note

Positioning the Windows Within the Greenhouse Frame:

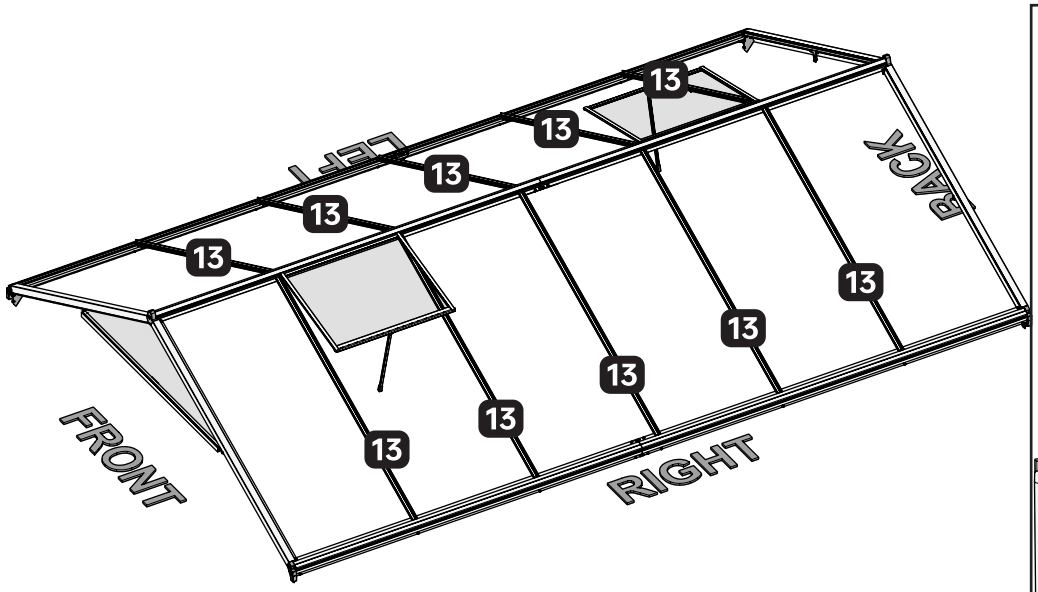
Identifying the Sections: Observe the screw holes on the 11A+11B assembly. These screw holes visually divide the greenhouse frame into six distinct sections.

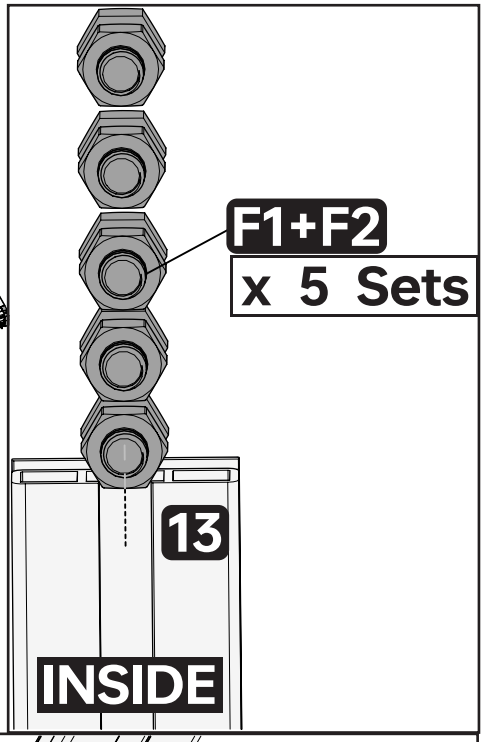
Sliding the Windows into Place:

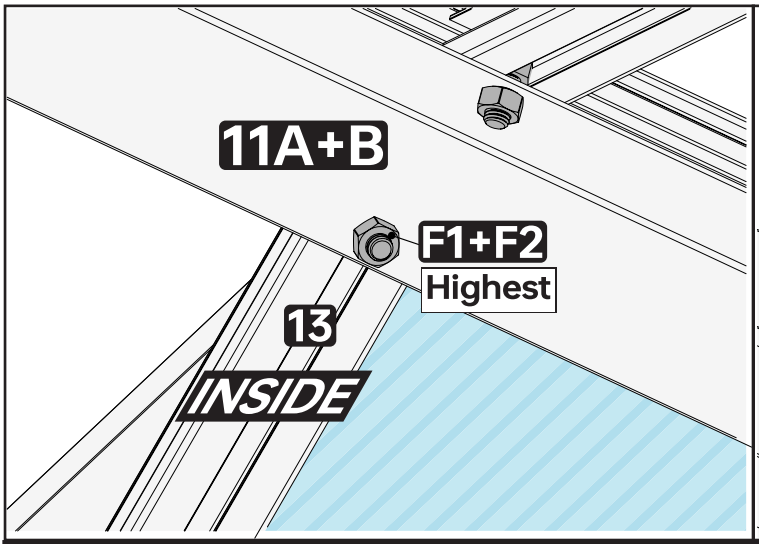
* Left Window: Slide the left window into Section 5.
* Right Window: Slide the right window into Section 2.

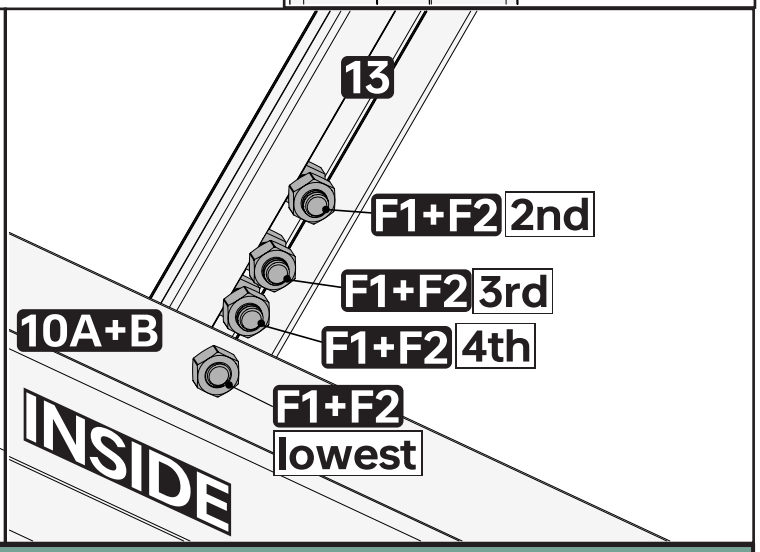
4

Part	Qty
13	10
F1+F2	50









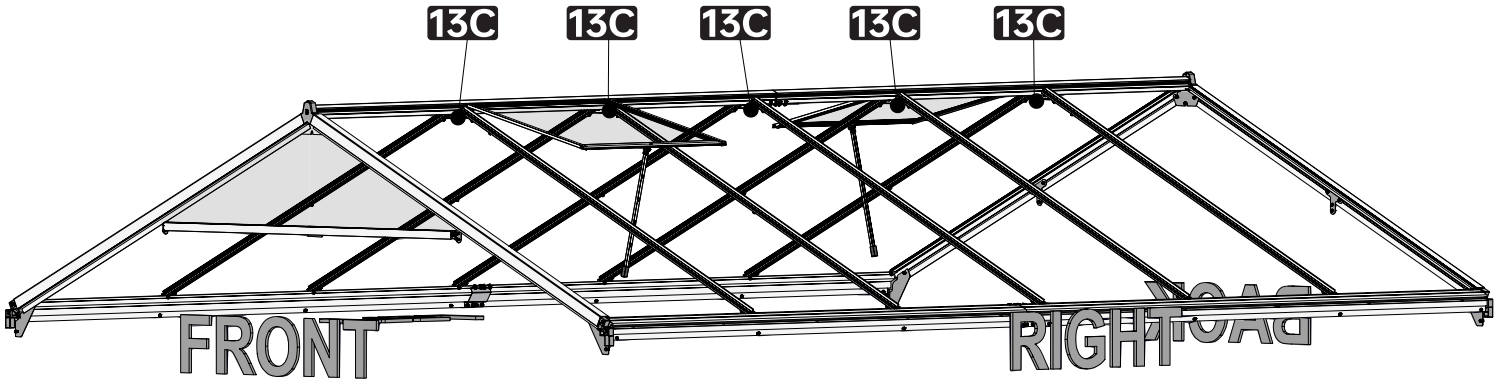
Note

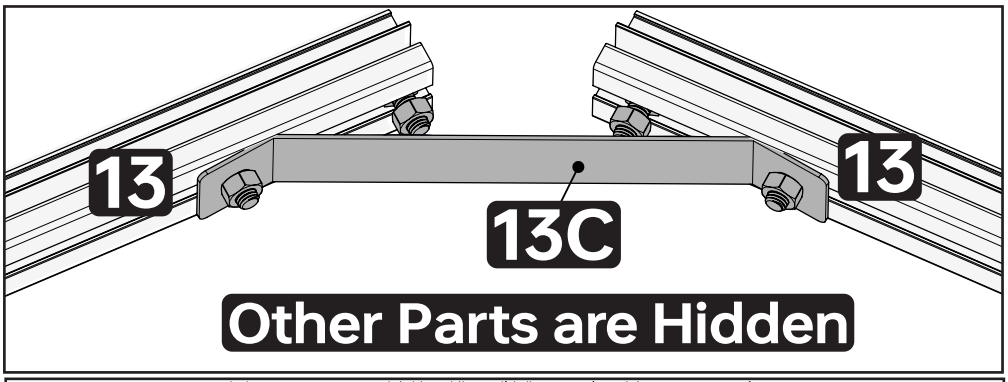
Installing the Roof Frame (Part 13): Following a Familiar Pattern:

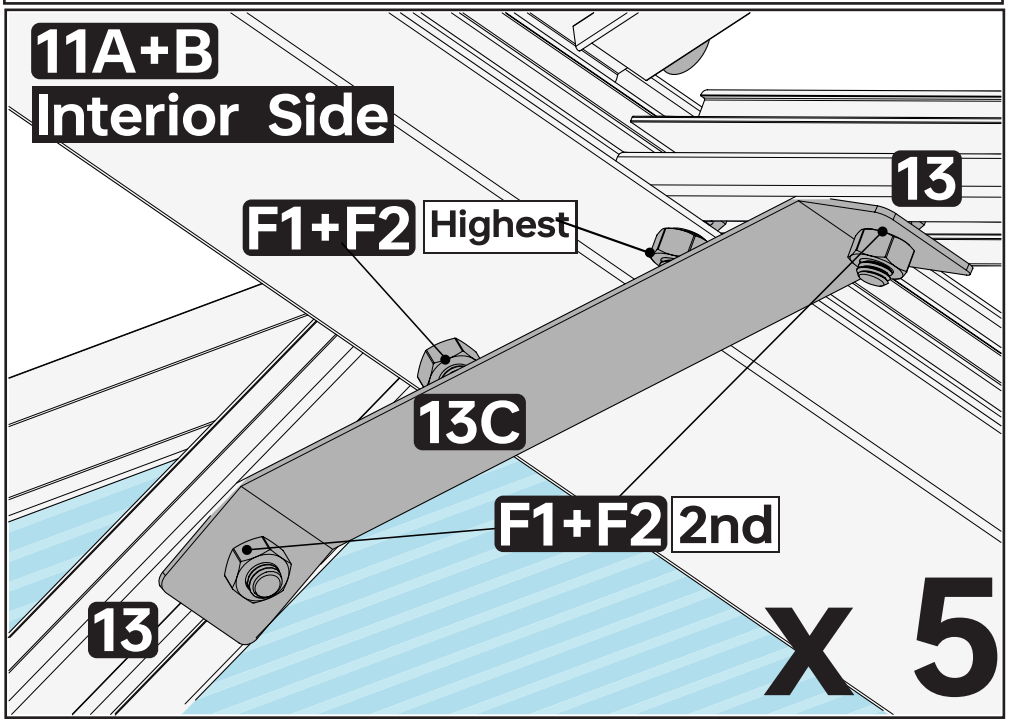
Simplified View: This illustration shows only the roof for better visibility.
Preparing Part 13: Slide five sets of F1+F2 into the bolt channel of Part 13. For easy reference, label these sets from top to bottom as: **Highest, 2nd, 3rd, 4th, and Lowest.**
Connecting Part 13 to the Frame:
* Use the Highest set to connect Part 13 to the 11A+11B assembly.
* Use the Lowest set to connect Part 13 to the 10A+10B assembly.
* The three Middle sets are not used in this step.

5

Part	Qty
13C	5







Note

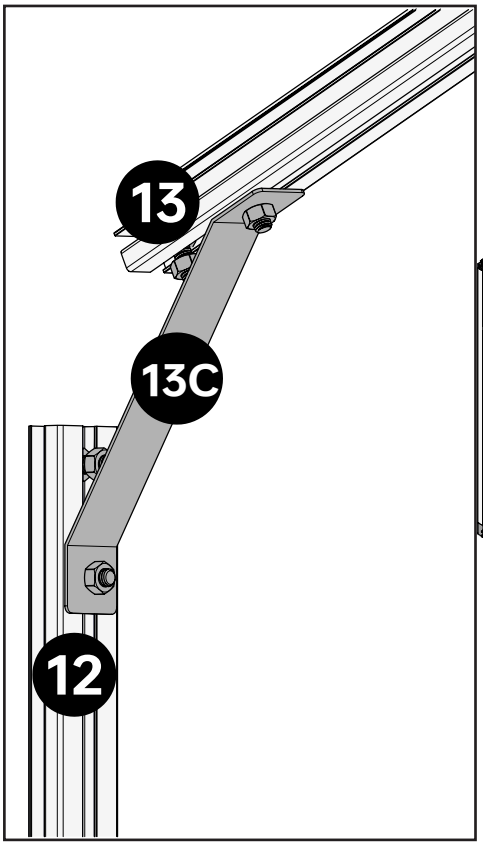
Joining Part 13 Sets with Connecting Pieces (13C):

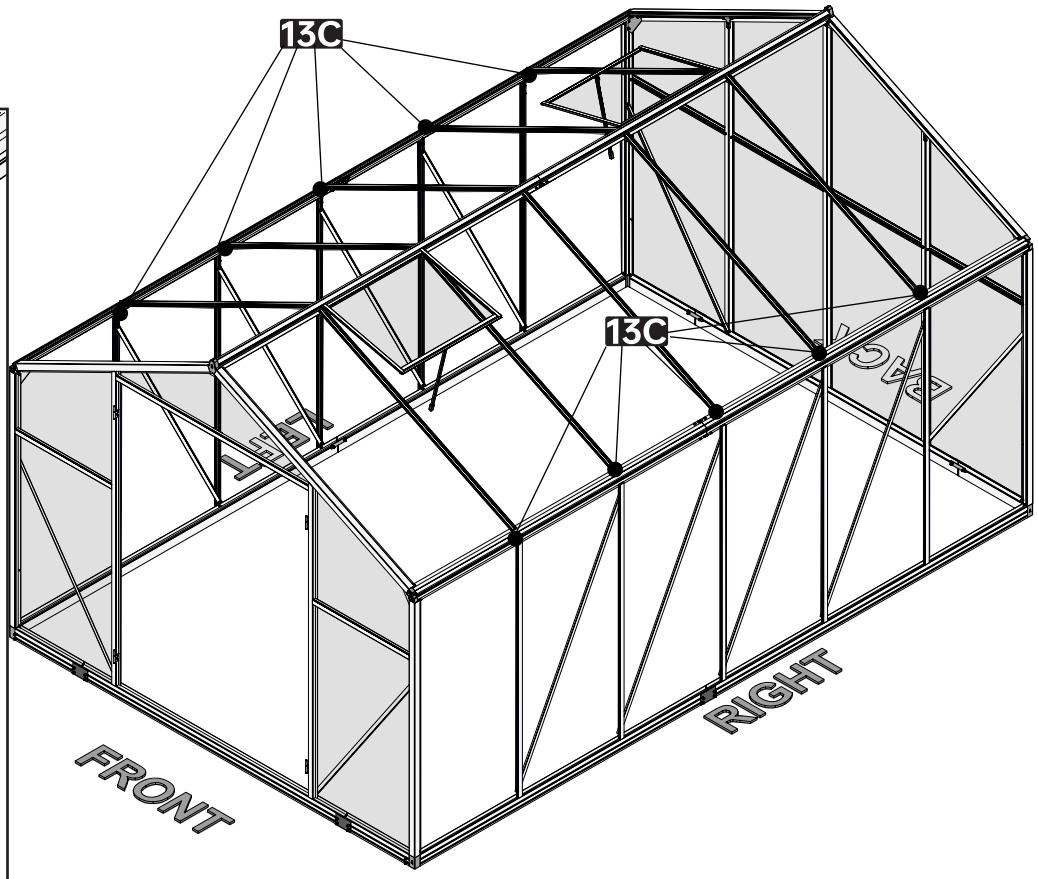
Purpose of 13C: The five 13C pieces are used to connect the ten Part 13 sets, joining two Part 13s with each 13C.

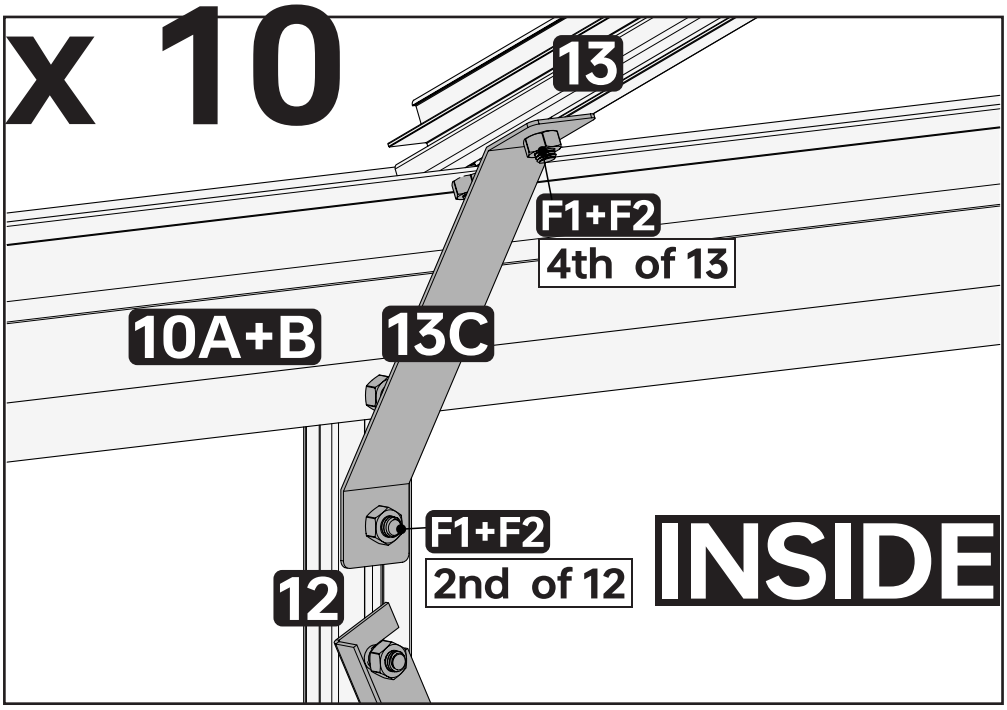
Specific F1+F2 Set: Use the 2nd F1+F2 set (second from the top) on each Part 13 to attach the 13C connector.

6

Part	Qty
13C	10







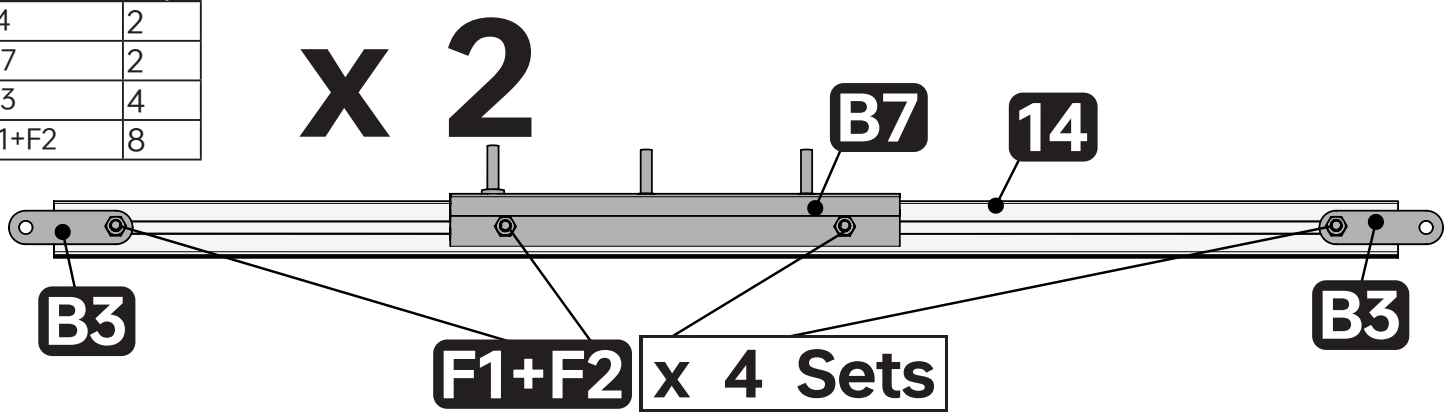
NOTE

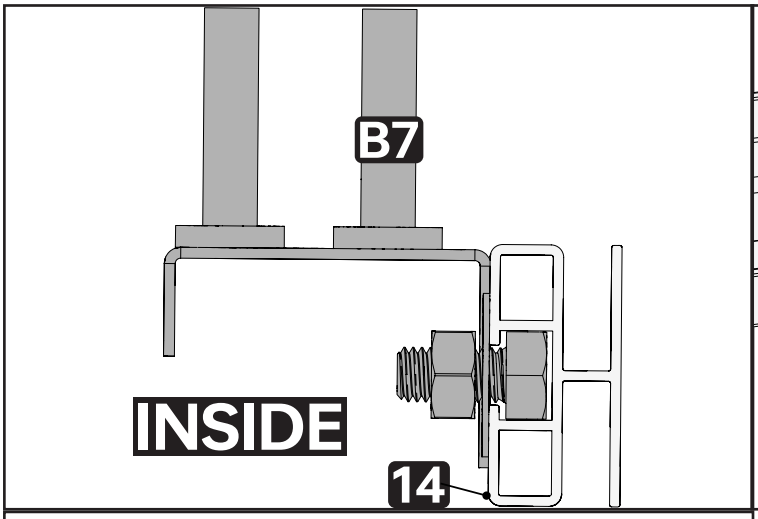
Joining the Roof Frame (13) to the Side Frame (12):

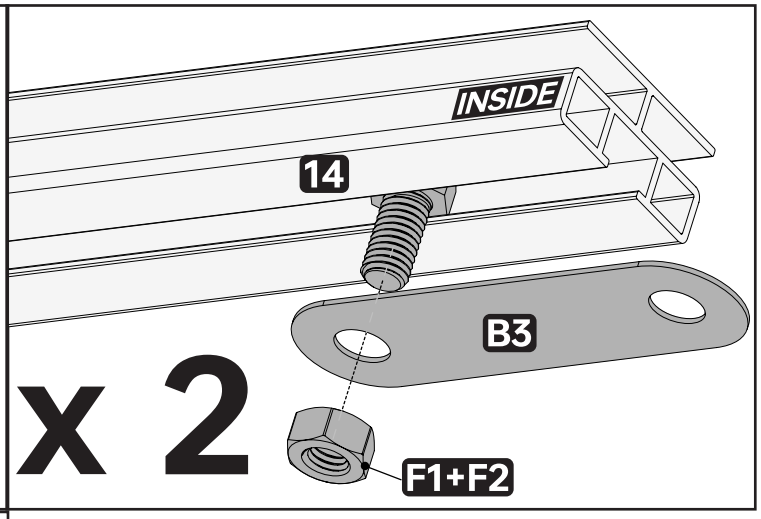
The 13C connector is used to attach the roof frame (Part 13) to the side frame (Part 12).

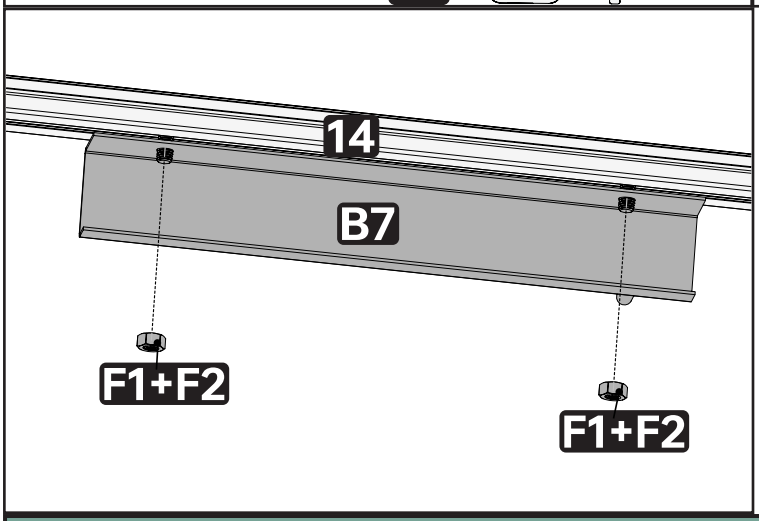
7

Part	Qty
14	2
B7	2
B3	4
F1+F2	8









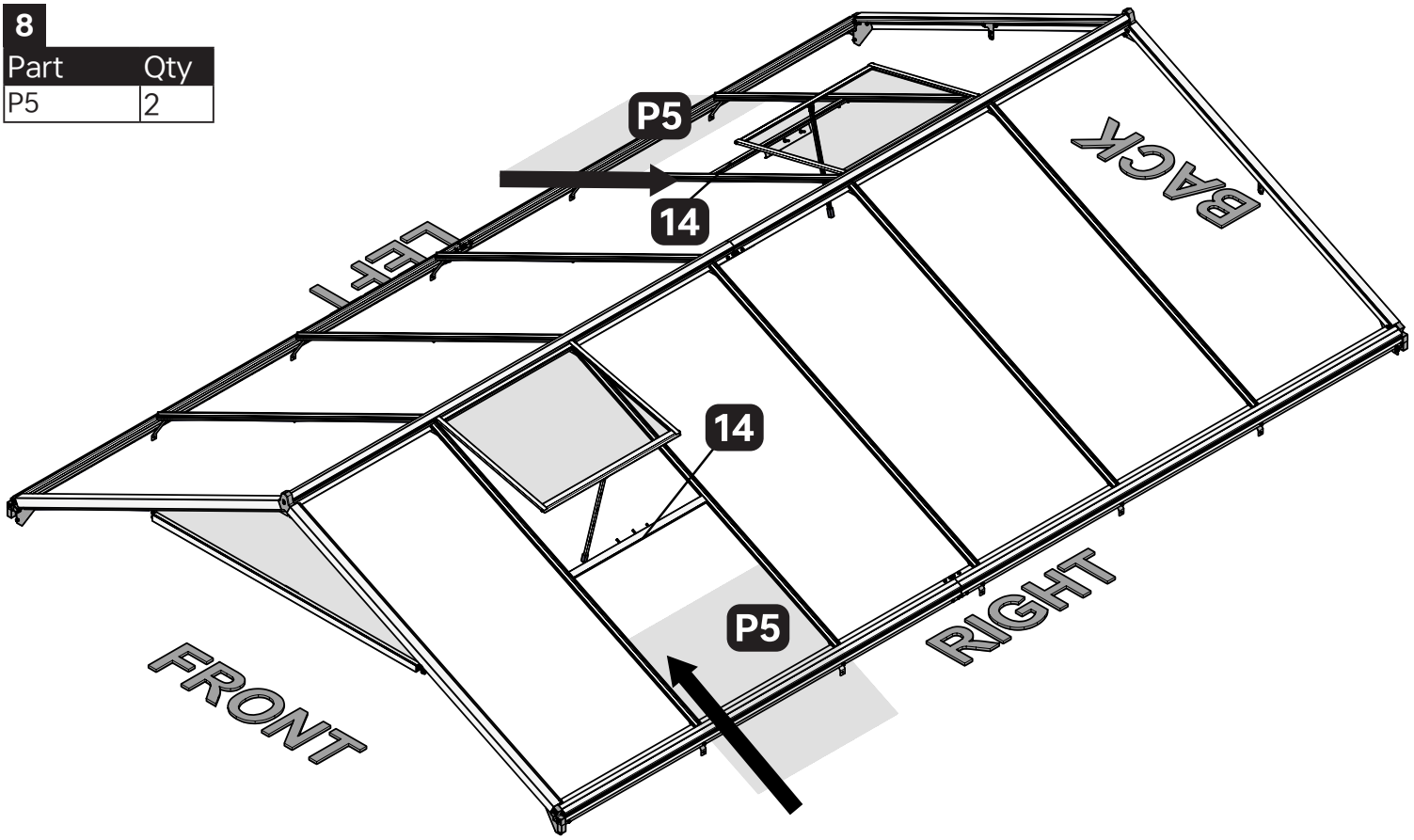
Note

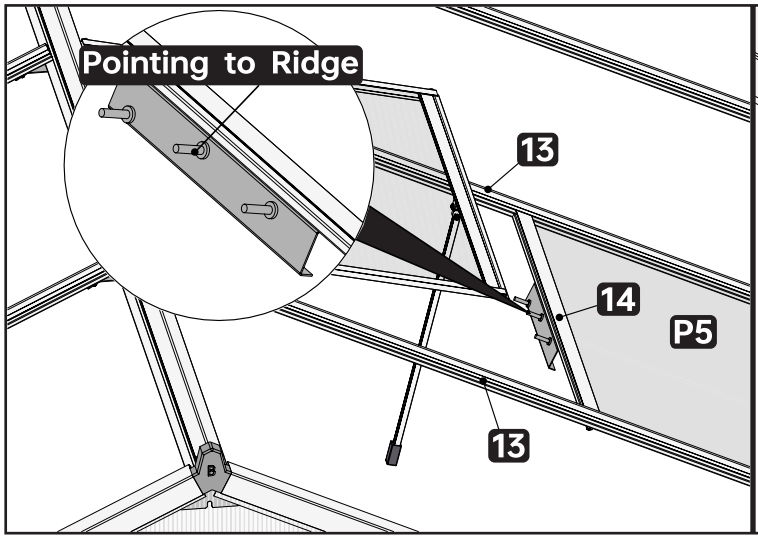
Assembling B3+B7+B3+14

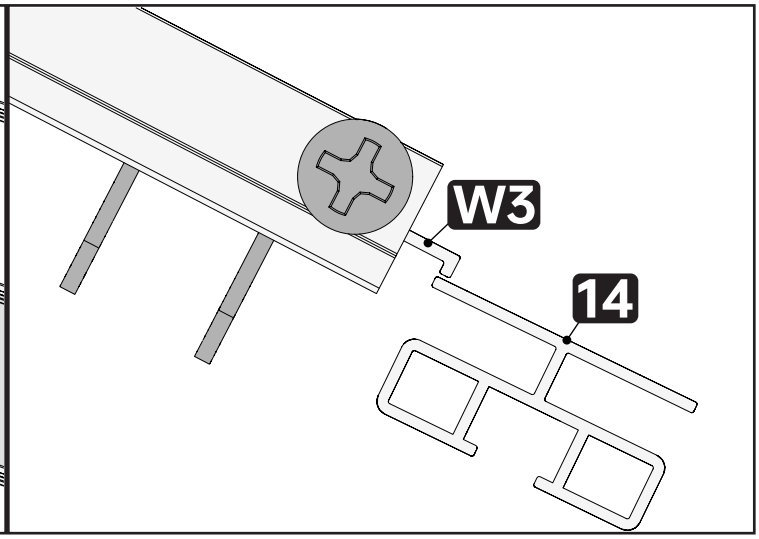
Prepping Part 14: Slide four sets of F1+F2 into the designated channels on Part 14.
Attaching B7: Use the middle two sets of F1+F2 to loosely connect B7 to Part 14.
Attaching B3: Use the remaining two sets of F1+F2 to loosely connect the two B3 pieces to Part 14.
Exact Placement Not Required: Do not tighten the screws completely at this stage, and don't worry about the precise location of B3 and B7. Their final positions will be adjusted later.
Repeat for Second Set: Repeat steps 1-4 to assemble a second identical set of B3+B7+B3+14.

8

Part	Qty
P5	2





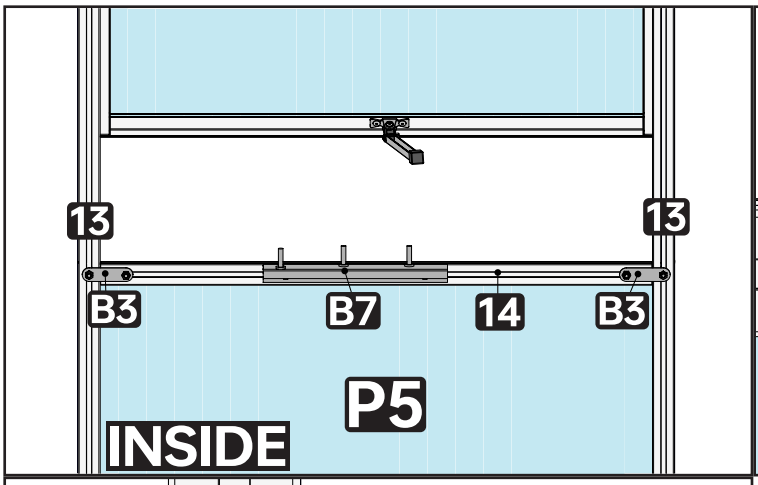


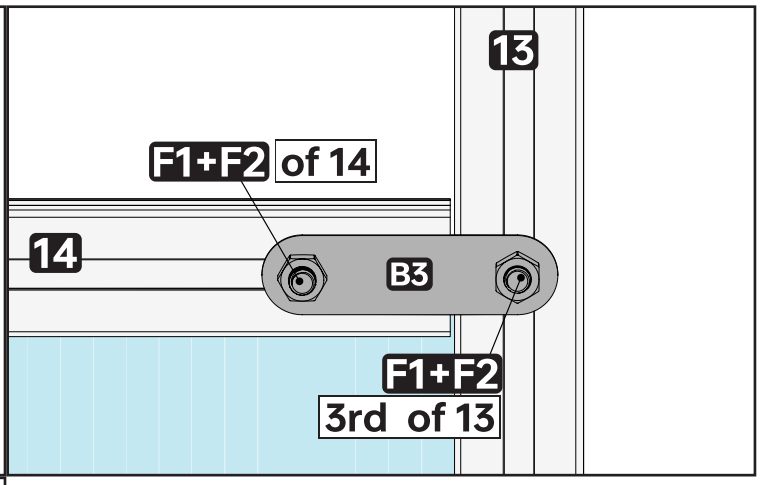
NOTE

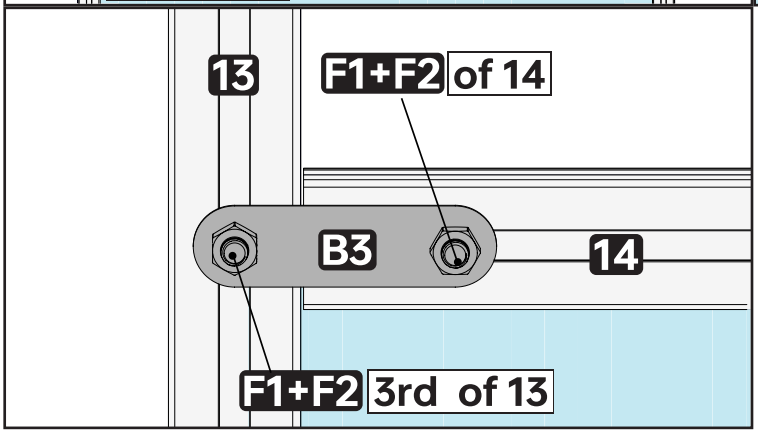
POSITIONING THE B7+14 ASSEMBLY FOR WINDOW SUPPORT:

Orienting B7: Ensure that the three antennas on Part B7 are pointing upwards towards the ridge of the greenhouse.
Aligning with the Window: Close the window and position the B7+14 assembly so that the edge of the window (Part W3) rests on Part 14. This will provide proper support for the window. You can adjust the position of B7+14 slightly closer to the ridge if desired.

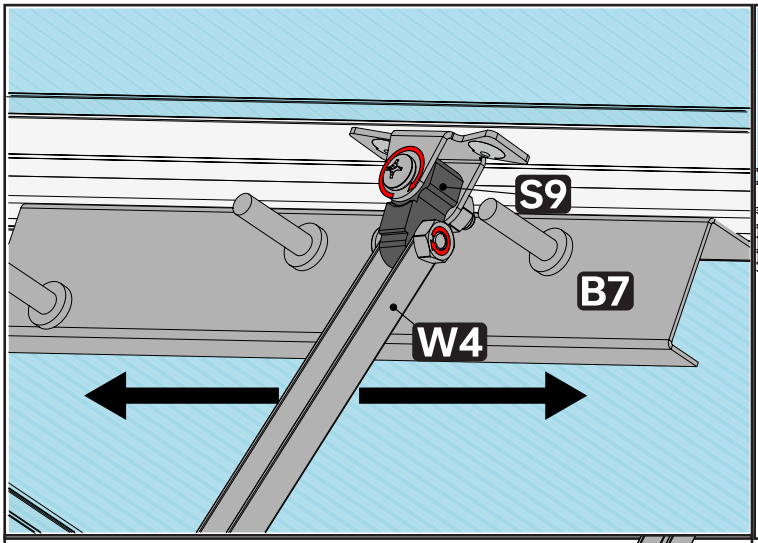
(Continued on the next page)

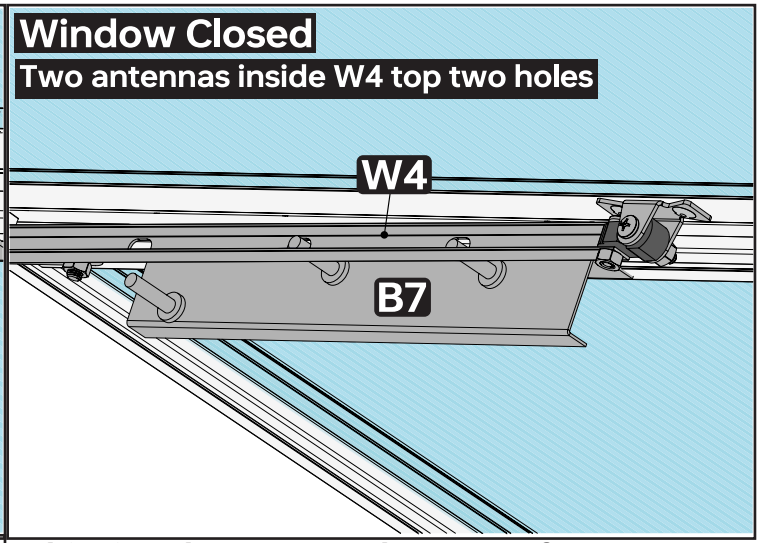


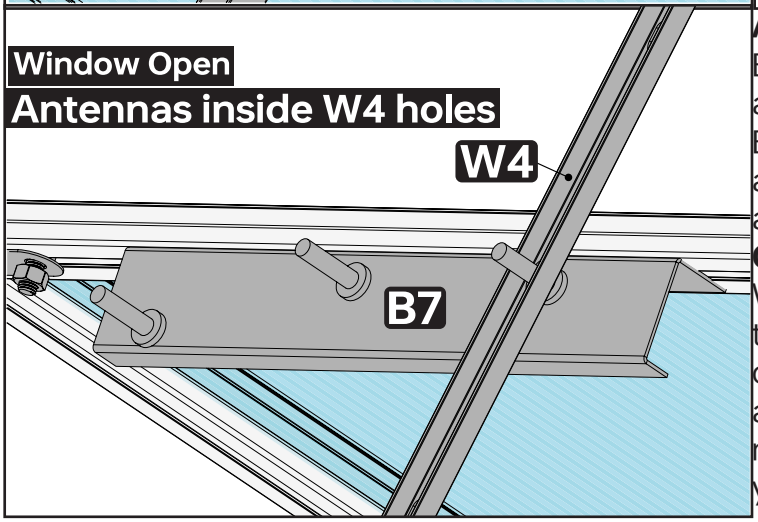




FINALIZING THE POSITION OF B7 AND SETTING THE WINDOW OPENING:





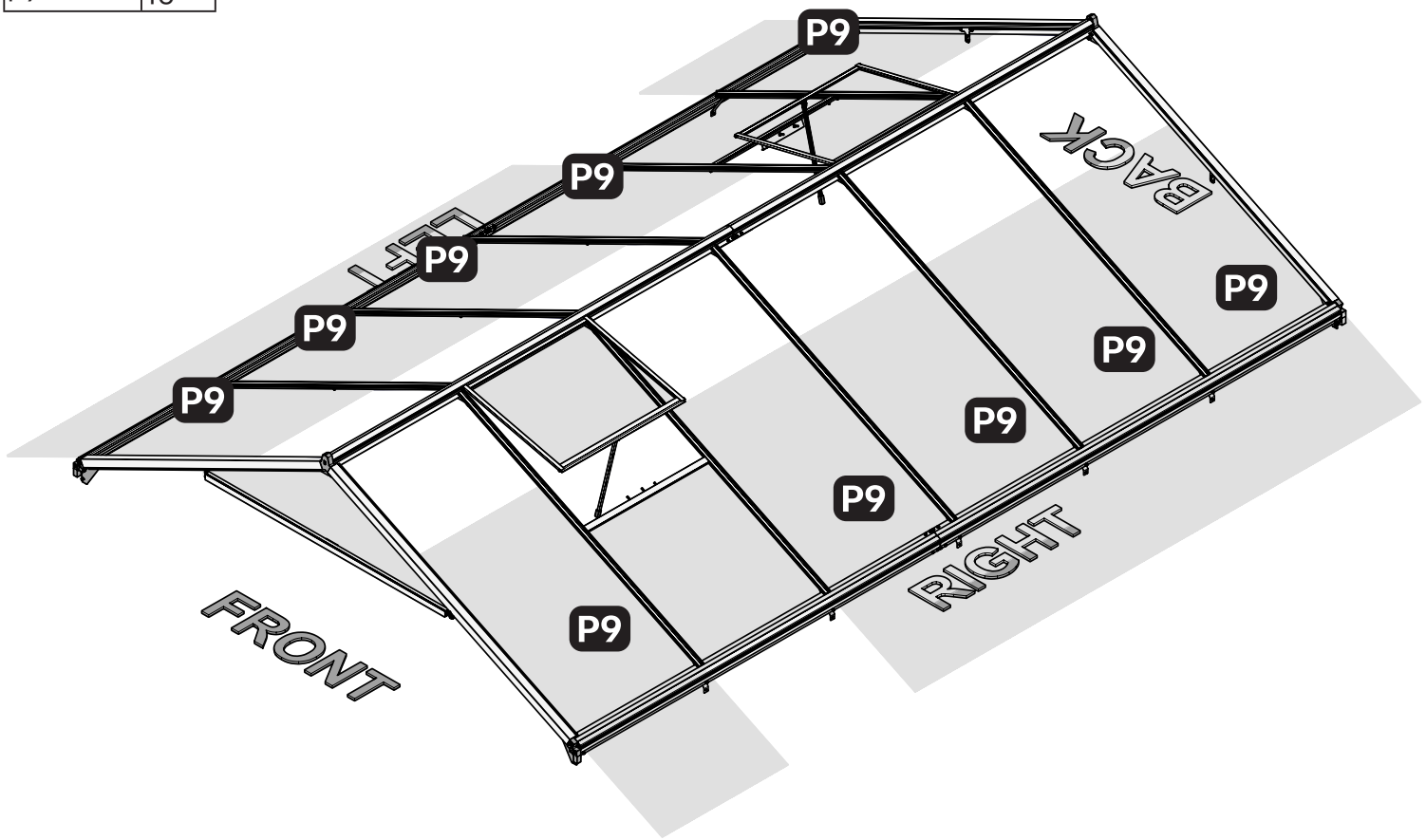


Achieving the Correct Placement for B7: Part B7 has the ability to slide horizontally, and parts W4 and S9 can rotate around their bolts. Gently slide B7 and rotate W4 until the two antennas on B7 are positioned inside the top two holes of W4. This alignment ensures that B7 is in the correct location.
Opening and Adjusting the Window: Raise Part W4 to open the window. Position W4 so that one of the antennas on B7 is securely seated within one of the holes on W4. This mechanism allows you to adjust the window opening to your desired level. By moving the antenna of B7 to different holes on W4, you can control the amount of ventilation.

Repeating the Process for the Second Window: Repeat this entire process for the second set of B7+14 to ensure both windows are installed and adjusted correctly.

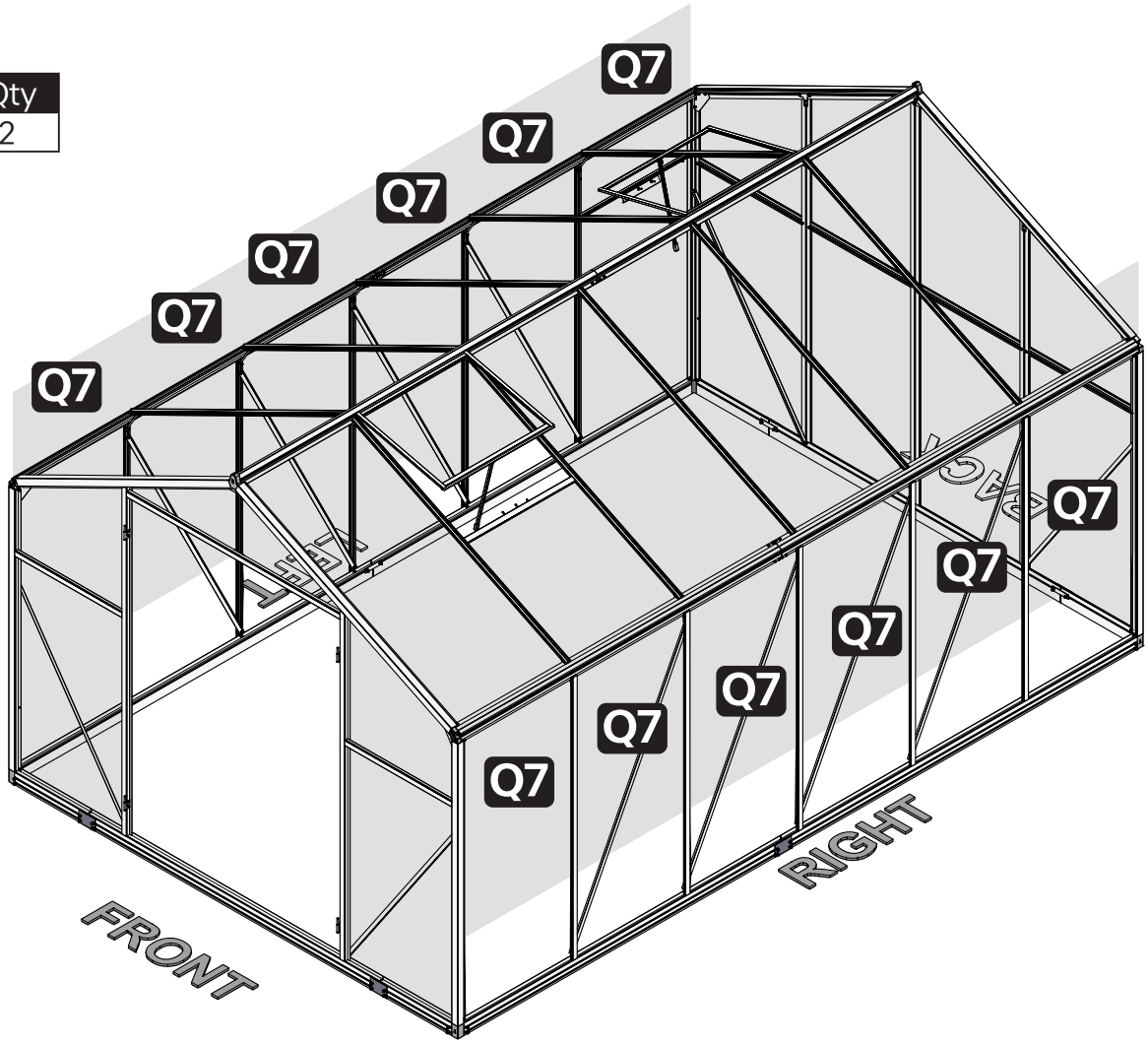
9

Part	Qty
P9	10



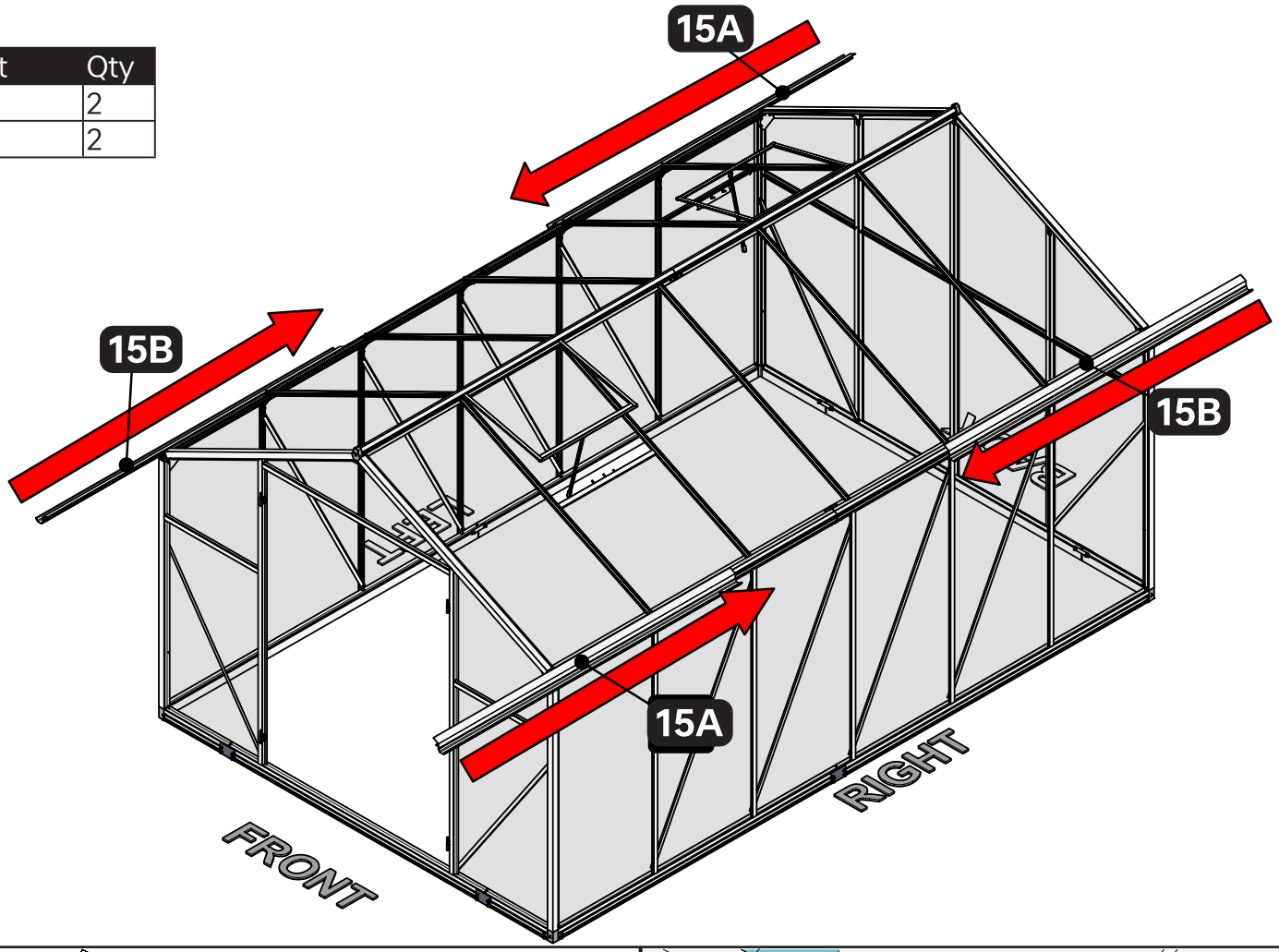
10

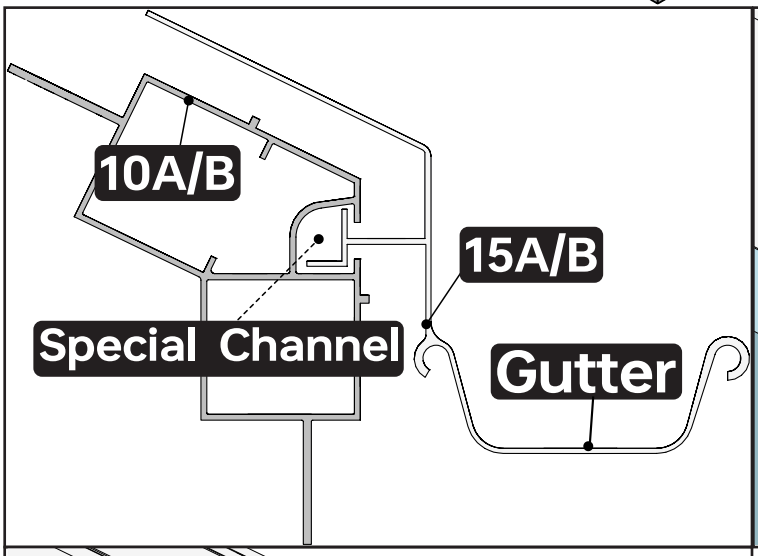
Part	Qty
Q7	12

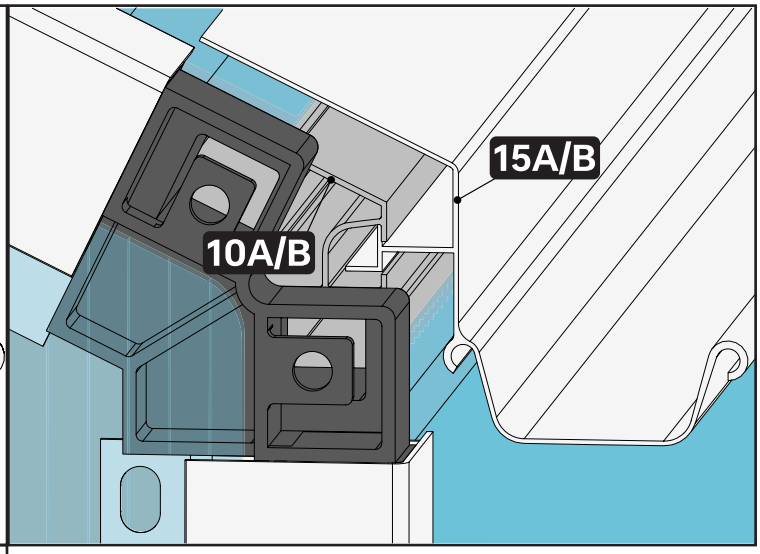


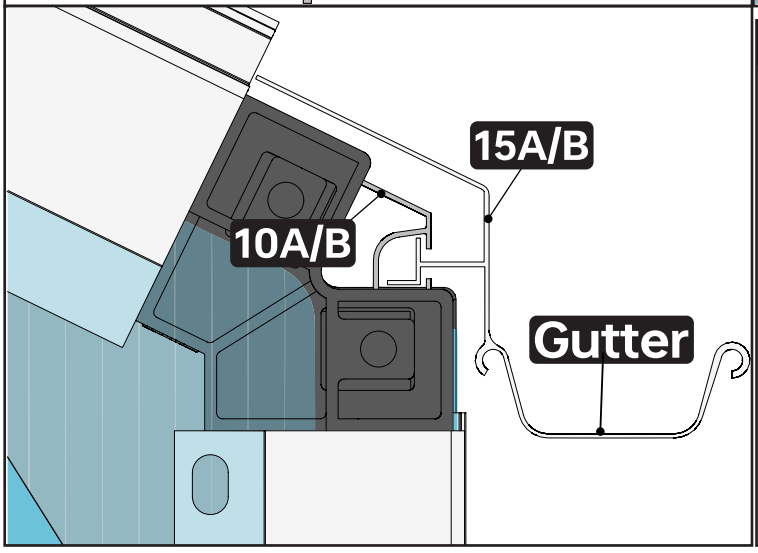
11

Part	Qty
15A	2
15B	2









NOTE

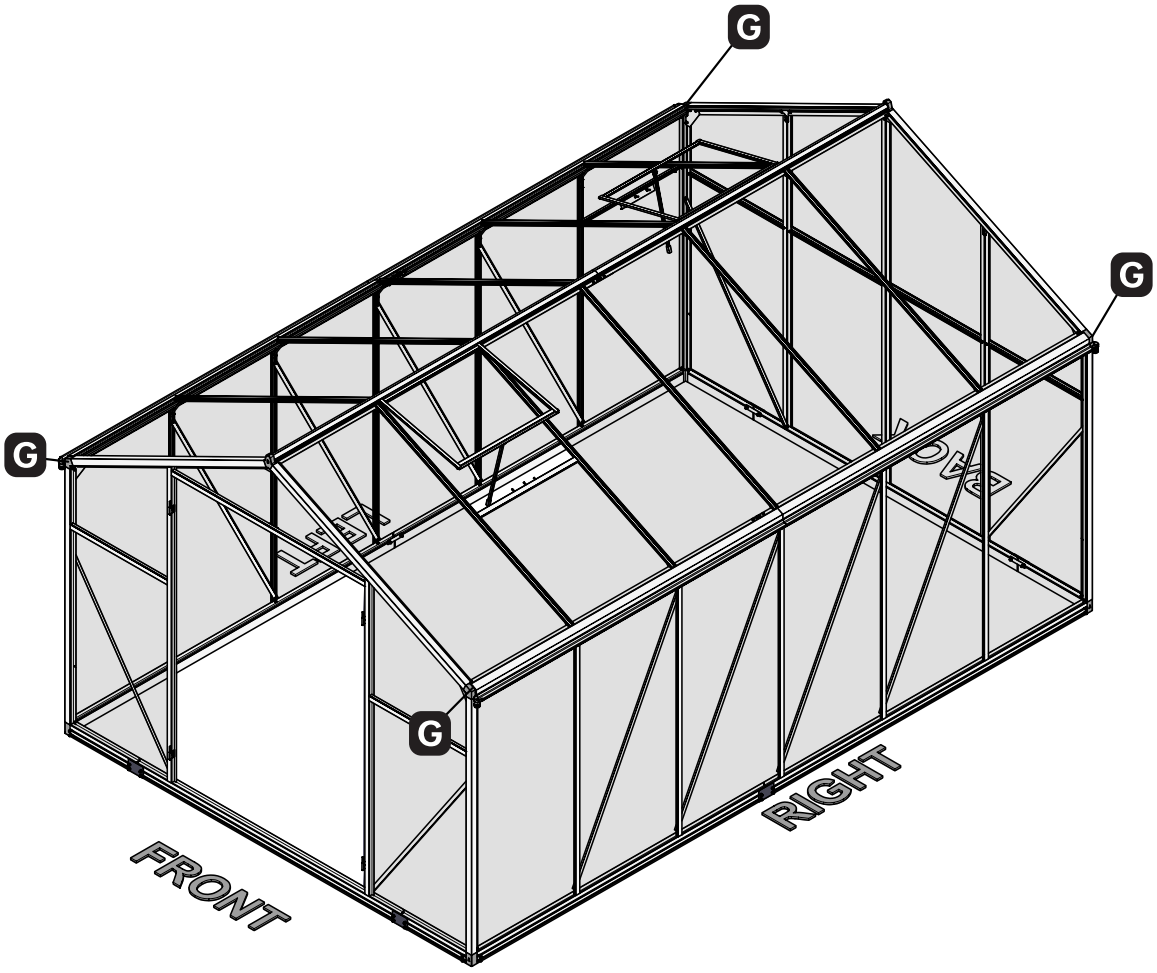
Inserting 15A/B: Mind the Gutter Direction:

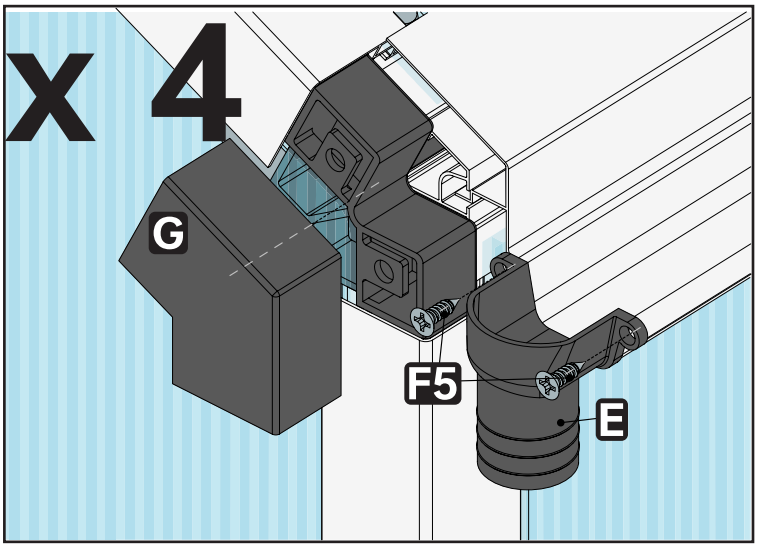
Special Channel: Part 10A/B has a unique channel designed to hold Part 15A/B. Carefully slide 15A/B into this channel.

Gutter Orientation: Pay close attention to the orientation of the gutter on Part 15A/B. Ensure the gutter is facing the correct direction to allow for proper water drainage (typically outward).

12

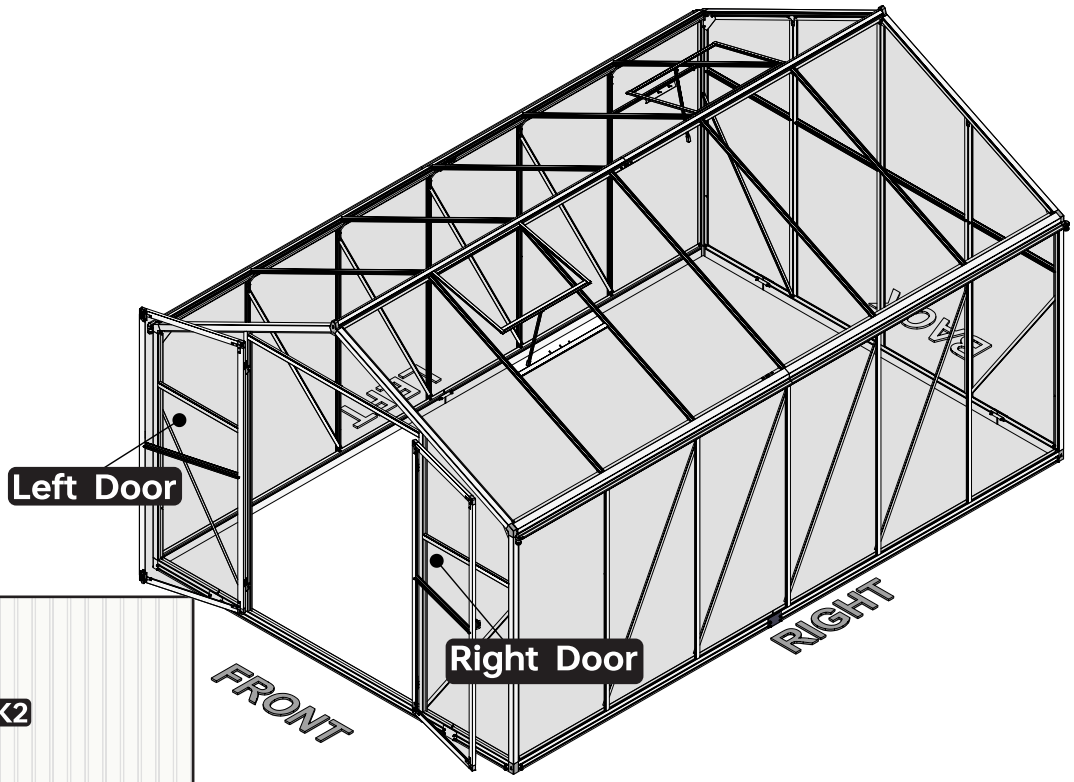
Part	Qty
E	4
G	4
F5	8

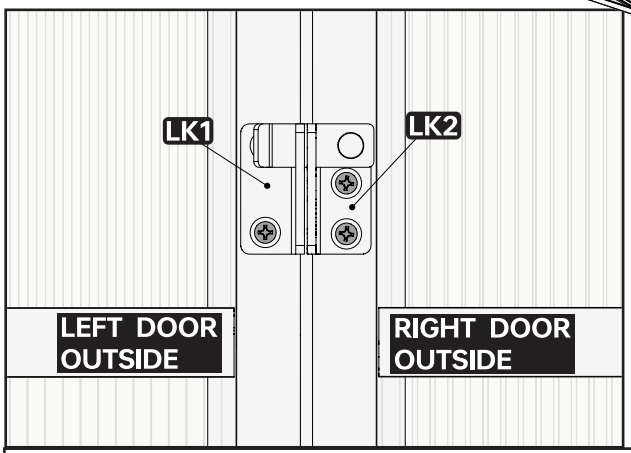


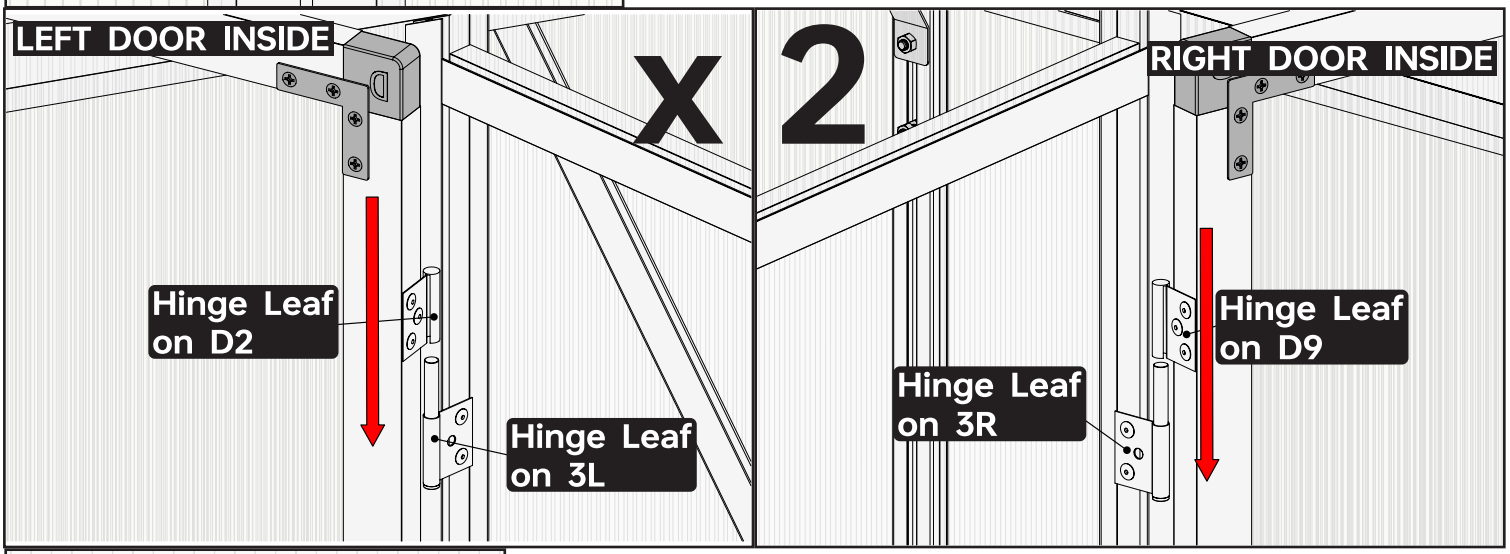


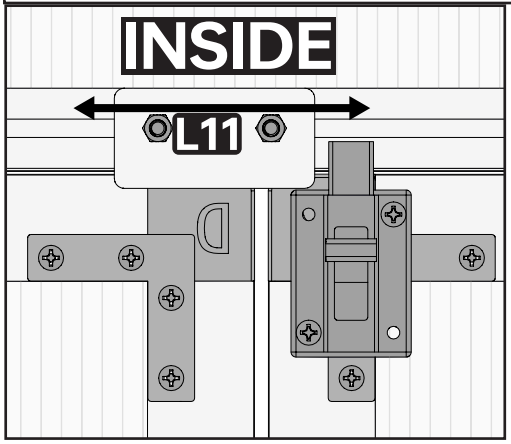
13

Part	Qty
LK1	1
LK2	1
F5	4









Note

Left Door and Right Door: The door with part LK1 attached is the left door, and the door with part LK2 attached is the right door.

Connecting the Hinges: The hinge leaves are already pre-attached to the doors (D2 for the left door and D9 for the right door) and the frame (3L for the left door and 3R for the right door). Simply lift the assembled door and align the hinge leaves on the door with the corresponding hinge leaves on the greenhouse frame.

Positioning the Door Stopper (L11)

Enter the Greenhouse: Go inside the assembled greenhouse.

Adjusting the Position of L11: Locate Part L11 (the door stopper). Slide it left or right until it effectively stops both doors and allows the latch on the left door to function correctly.