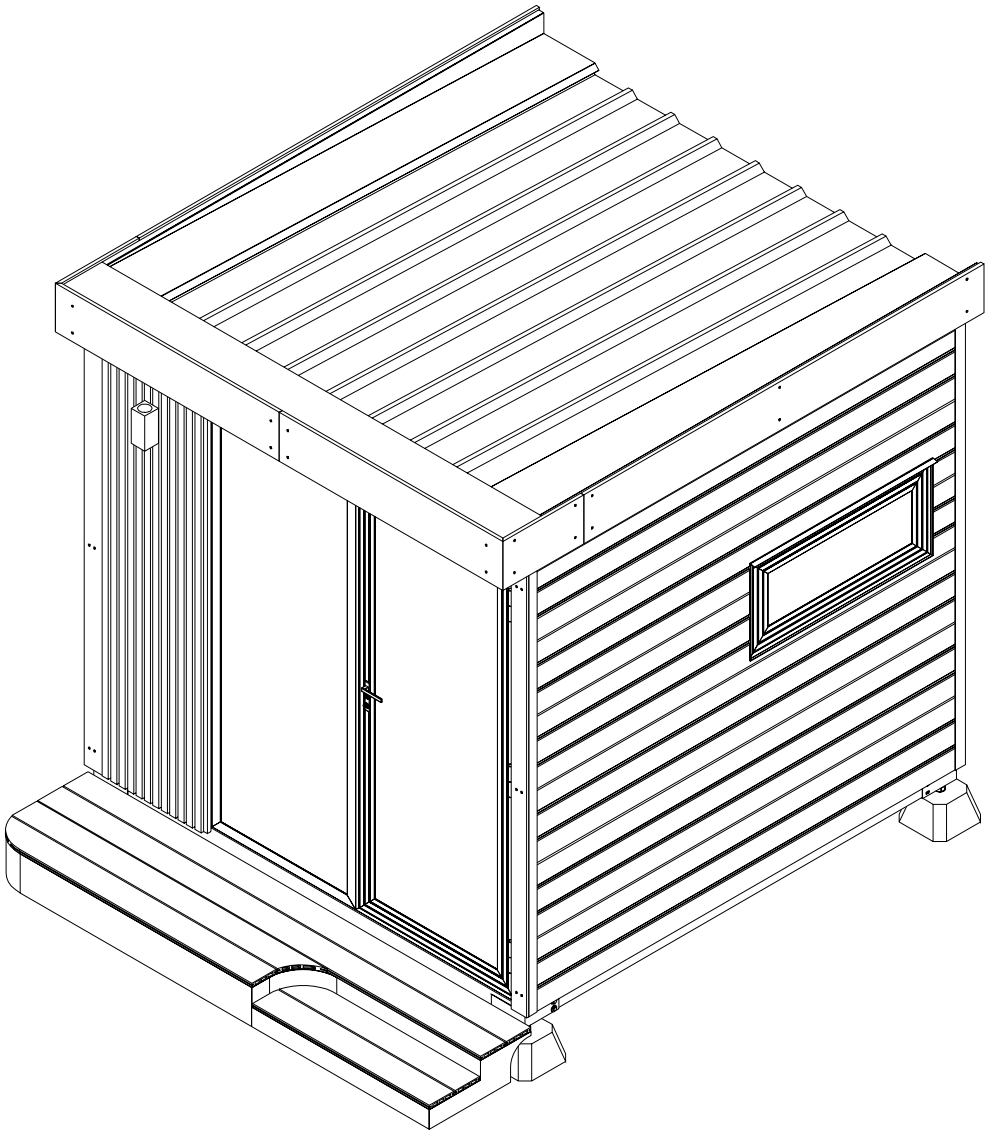
WorkPod - Mini

How to build yours



Checking list

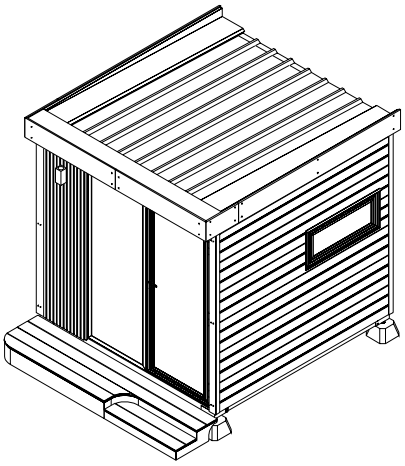
Crate	Items	Qty	SKU	Components inside	Qty	SKU
A417-A	Right wall A	1	A417-P1			
	Right wall B	1	A417-P2			
	Back wall B	1	A417-P3			
	Back wall A	1	A417-P4			
	Left wall B	1	A417-P5			
	Left wall A	1	A417-P6			
	Floor A	1	A417-FL-A			
	Floor B	1	A417-FL-B			
	Ceiling A	1	A417-CE-A			
	Ceiling B	1	A417-CE-B			
	Metal roof	1	A417-MR	Metal roof A	2	A417-MR-A
				Metal roof B	1	A417-MR-B
	Alu PU back cover	1	A417-VBC			
	Alu PU left cover	1	A417-VLC			
	Alu PU right cover	1	A417-VRC			
	Alu accessory cover	1	A417-VAC			
	Tools	1	A417-TOOLS			
A417-B	Glass door	1	A417-P9			
	Window	1	A417-P8			
	Front wall	1	A417-P7			
	Housewrap	1	A417-HW			
				Left frame	1	
				Right frame	1	
	Floor steel frame	1	A417-FSF	Back frame	1	
				Front frame	1	
				Floor frame	3	
	Roof-Front	1	A417-R-FRONT			
	Roof-Right	1	A417-R-RIGHT			
	Roof-Left	1	A417-R-LEFT			
	Roof-Frame	3	A417-R-FRAME			
	Roof-Flashing	2	A417-R-FLASHING			
	Roof-Back	2	A417-R-BACK			
	Front flashing	1				
	Picomat	2	A417-PICOMAT			
	Power cord	1	A417-POWERCORD			
	Composite Deck	1	A417-CD			
	Concrete base	4	A417-CB			
	Ceiling light	1				
	Bitumen roll	2	A417-BITUMEN ROLL			

Preparation

Pod was specifically engineered to be DIY friendly but if you're a complete novice or feeling somewhat unsure, it can be helpful to have a spare pair of hands to help. Feel free to give us a call anytime, too. For optimal results, we recommend hiring professional help to assemble your Pod.

1. Receive Pod

Pod will arrive by truck in 2 wooden crates. Packages inside weighing between 80 - 200 lbs. The largest package is about 82" in length and 50" in width, so please ensure there is a clear pathway with sufficient space.

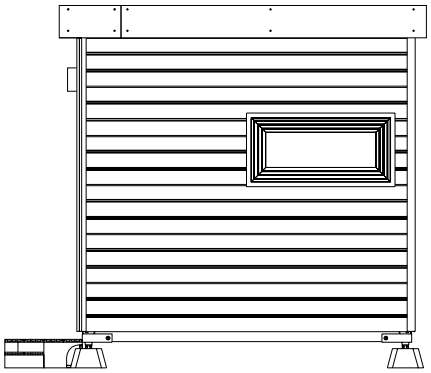


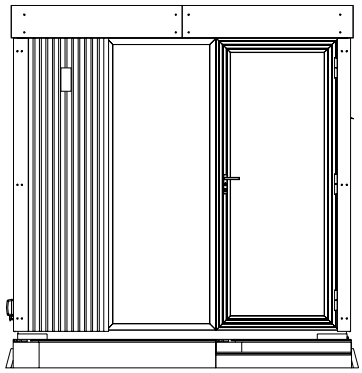
2. Choose a location

Select a location with good ventilation, plenty of clear space, and a solid surface.

Pod will be about 9'3" in height once assembled, so make sure there aren't any trees in the way. The foundation is 9ft by 9ft, so for a comfortable fit, we recommend an area around double of that – 18ft by 18ft.

Most backyard surfaces are suitable, including soil, brick, concrete, gravel, grass, etc., – but please make sure there is as low a risk as possible of subsidence.





3. Tools & Equipment

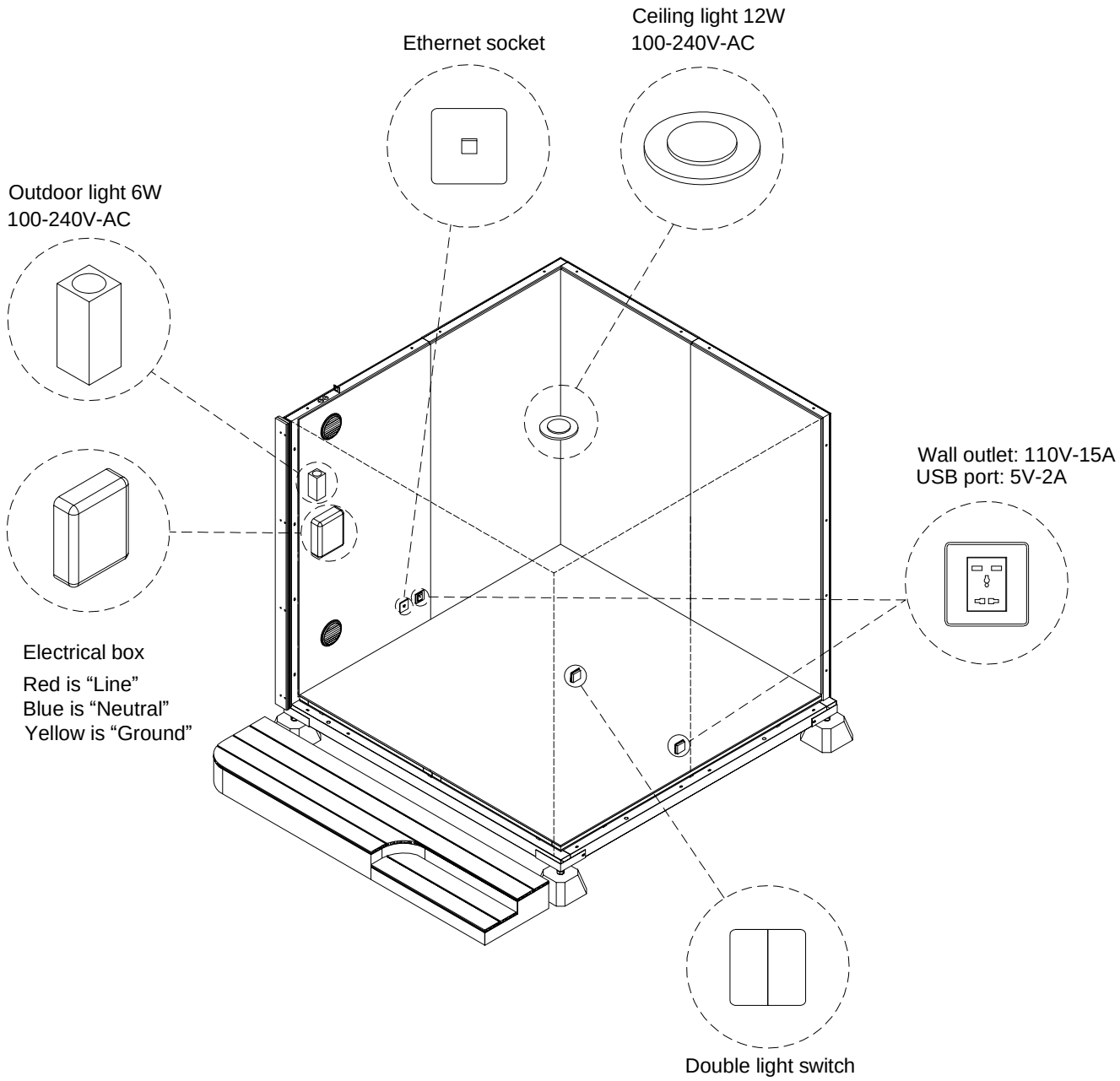
No	Description	Qty
Pod Included:		
1	Bolt 2/5" x 11/2"	18
2	Bolt 2/5" x 21/5"	40
3	Bolt 2/5" x 3"	26
4	Bolt 2/5" x 2"	8
5	Hex nut	100
6	Flat washer	200
7	Self-drilling screw 1/5" x 14/5"	40
8	Self-drilling screw 1/5" x 12/5"	60
9	Self-drilling screw 1/5" x 1"	30
10	Self-drilling screw 3/20" x 2"	20
11	Housewrap Tape	4
12	Housewrap	1
13	Nail	1
14	Screw 3/20" x 2/5"	600
15	Hole cap	50
16	Glass door handle	1

No	Description	Qty
17	Foam closure	3
18	Ceiling light	1
19	Vein cover	2
20	Outlet cover	1
21	Outdoor light	1
Need to prepare:		
1	Electric screwdriver	2
2	Ladder 14'	1

Electrical devices in WorkPod - Mini

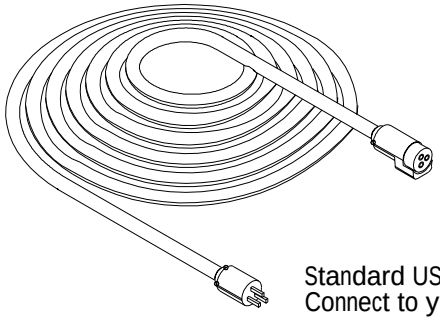
Electrical devices in Pod:
RCB (Residual Current Breaker): 1
Walloutlet: 2
Ethernet socket: 1
Double light switch:1
Ceiling light: 1
Outdoor light: 1

Note:
Maximum voltage: 110V AC (US Standard)
Maximum current: 25A
Maximum power dissipation: 2750W



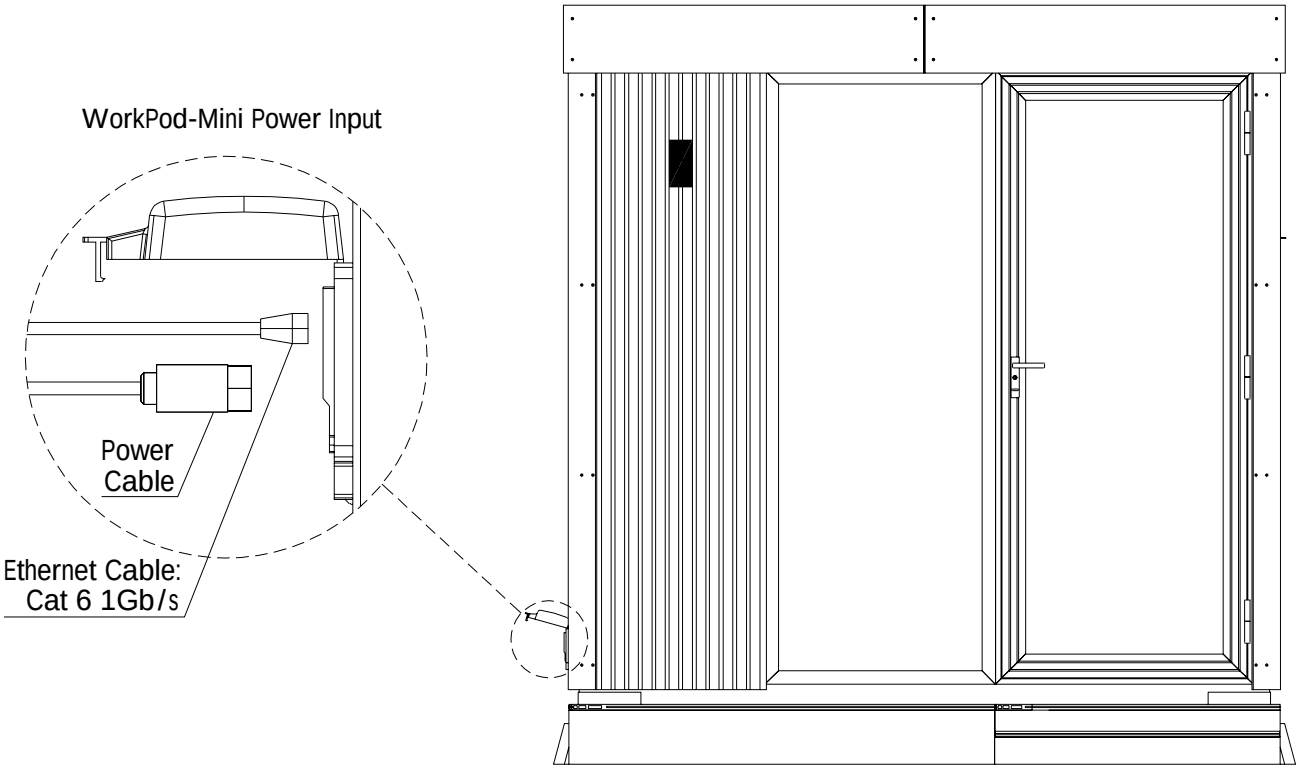
Connecting Pod to your power supply

A 66ft power cable is provided, with 2 connectors – 1 that connects to the WorkPod-Mini, and one that connects to your main power supply. Your power supply should be at least 20A at 110 VAC 50Hz/60Hz. If you do not have an outlet which can supply this minimum, an electrician will be able to assist you.



3 pin male waterproof connector
Connect to your Pod

Standard USA 3 Pin (not waterproof)
Connect to your main power supply

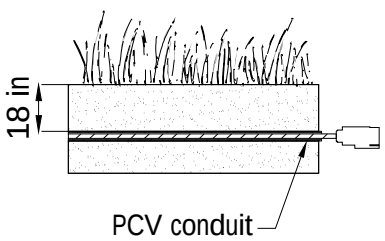


The cable should be connected directly from the main power supply to Pod, and hooked up through the consumer unit installed in the Pod.

If the cable is to be buried underground*, it should be used with a PVC conduit, and buried at a depth of 18" beneath paths or patios, and 30" below grass and flower beds. If the distance between Pod and the main power supply is further than the cable (66ft), you will need an outlet extender with waterproof connectors.

Alternatively, this cable can be hung on a pole if there is only a short distance between Pod and the main power supply.

*This is not included when the customer uses the assembly service by Autonomous.

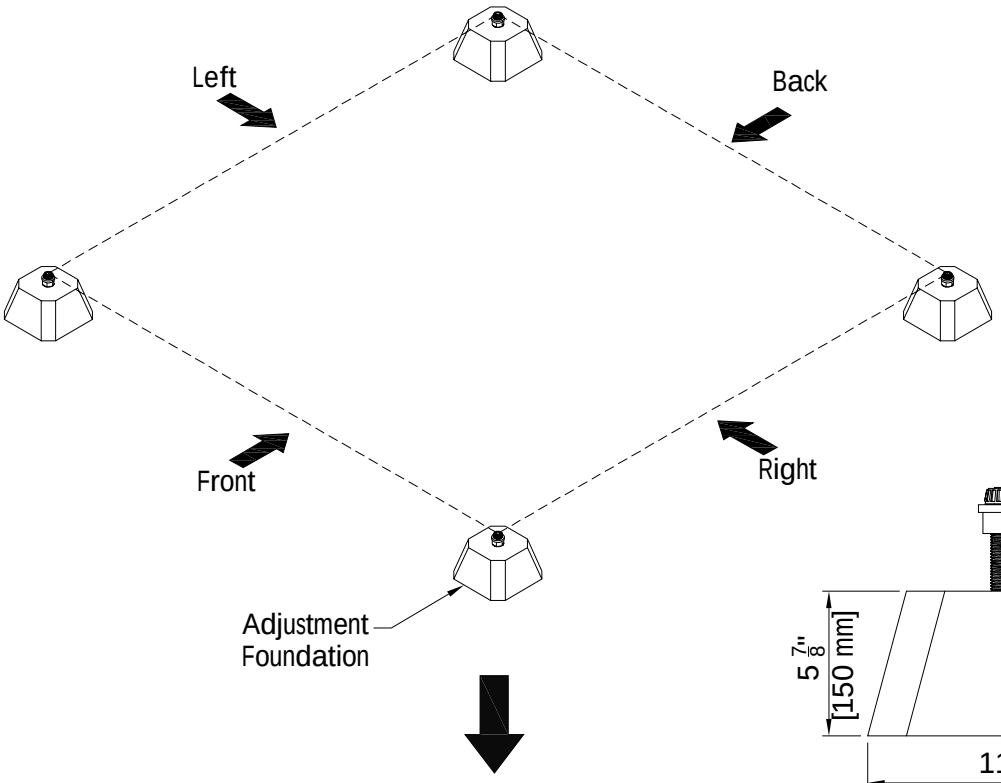


FOUNDATION AND BASE FLOOR INSTALLATION

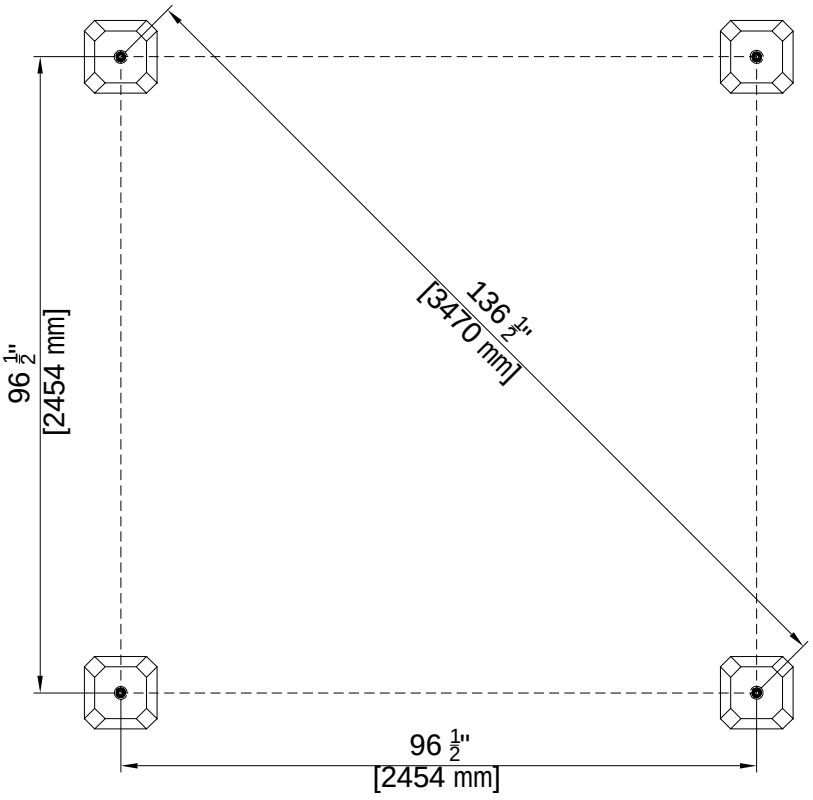
FOUNDATION & BASE FLOOR ASSEMBLY

STEP 1

Set the **Adjustment Foundation** in place and ensure the distance matches the the measurement shown below.



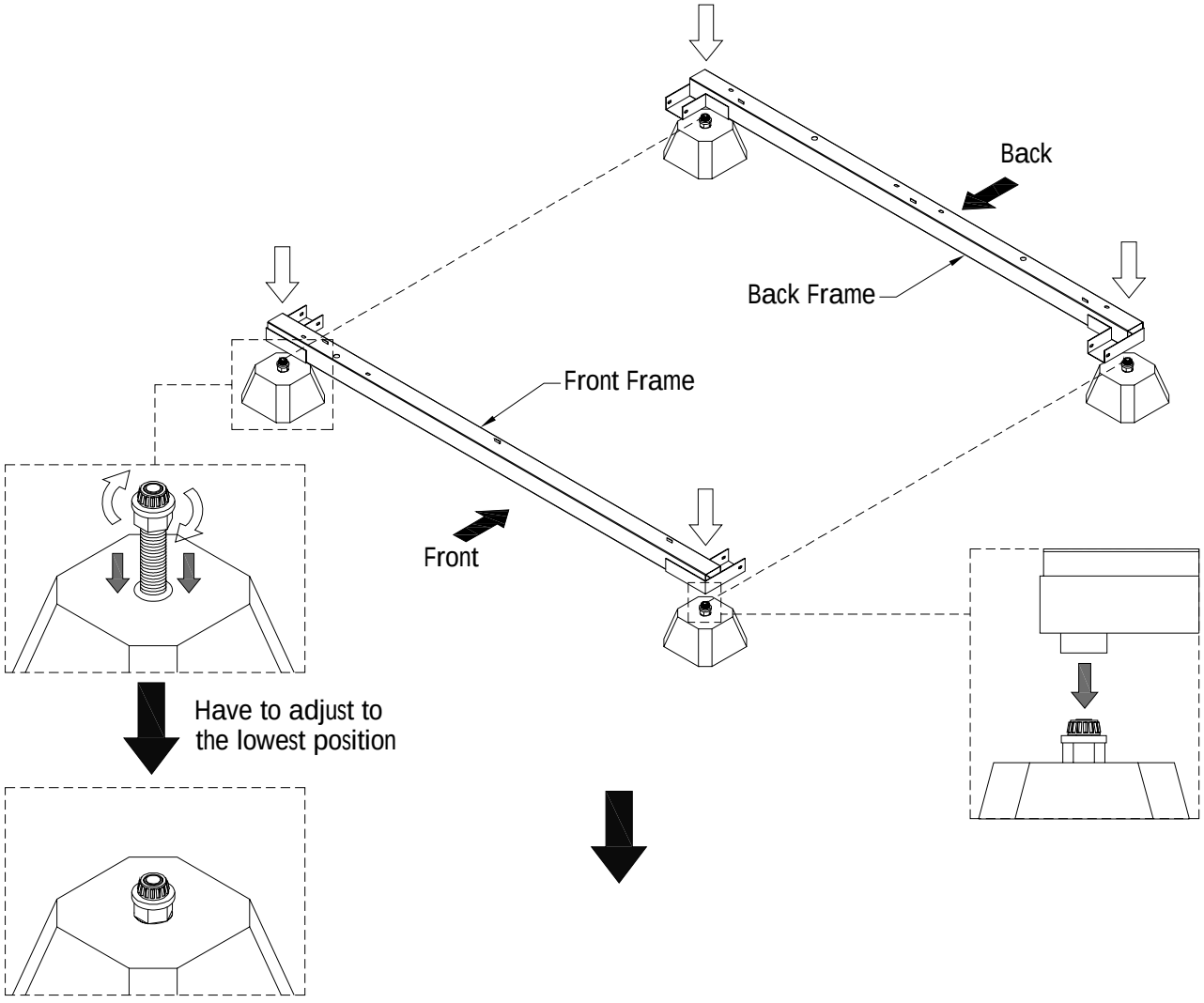
Adjustment Foundation

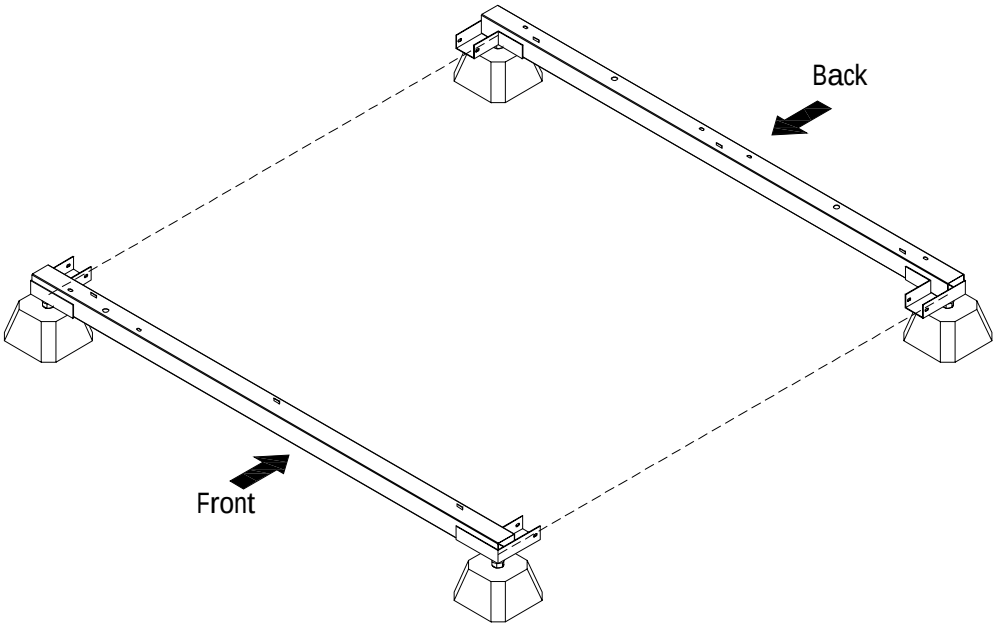


FOUNDATION & BASE FLOOR ASSEMBLY

STEP 2

Adjust the Adjustment Foundation to the lowest level. Set the Front frame and Back frame slats in place as shown below. *(Note: Install the pad to match the bearing on the Adjustment Foundation)*.

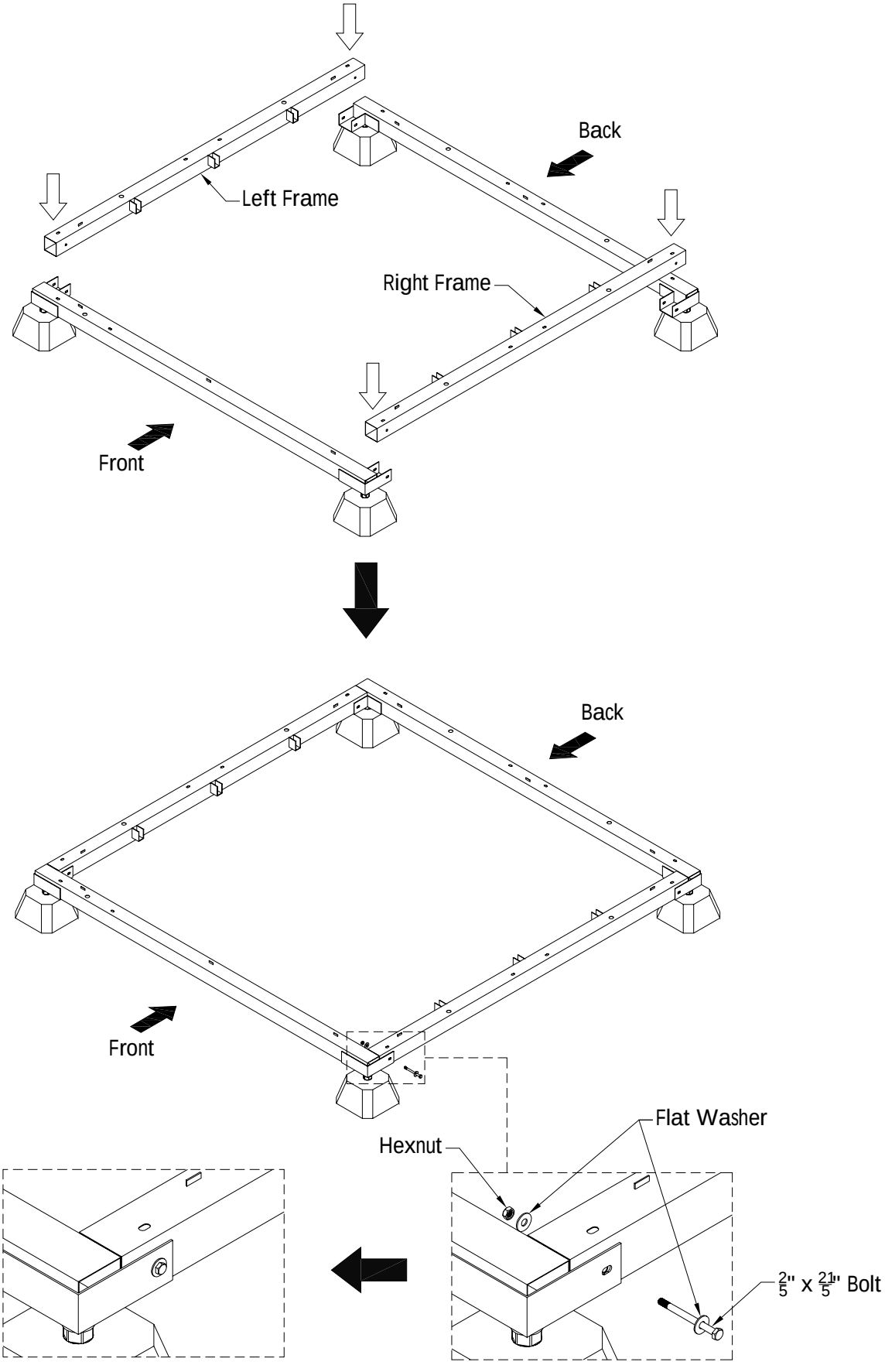




FOUNDATION & BASE FLOOR ASSEMBLY

STEP 3

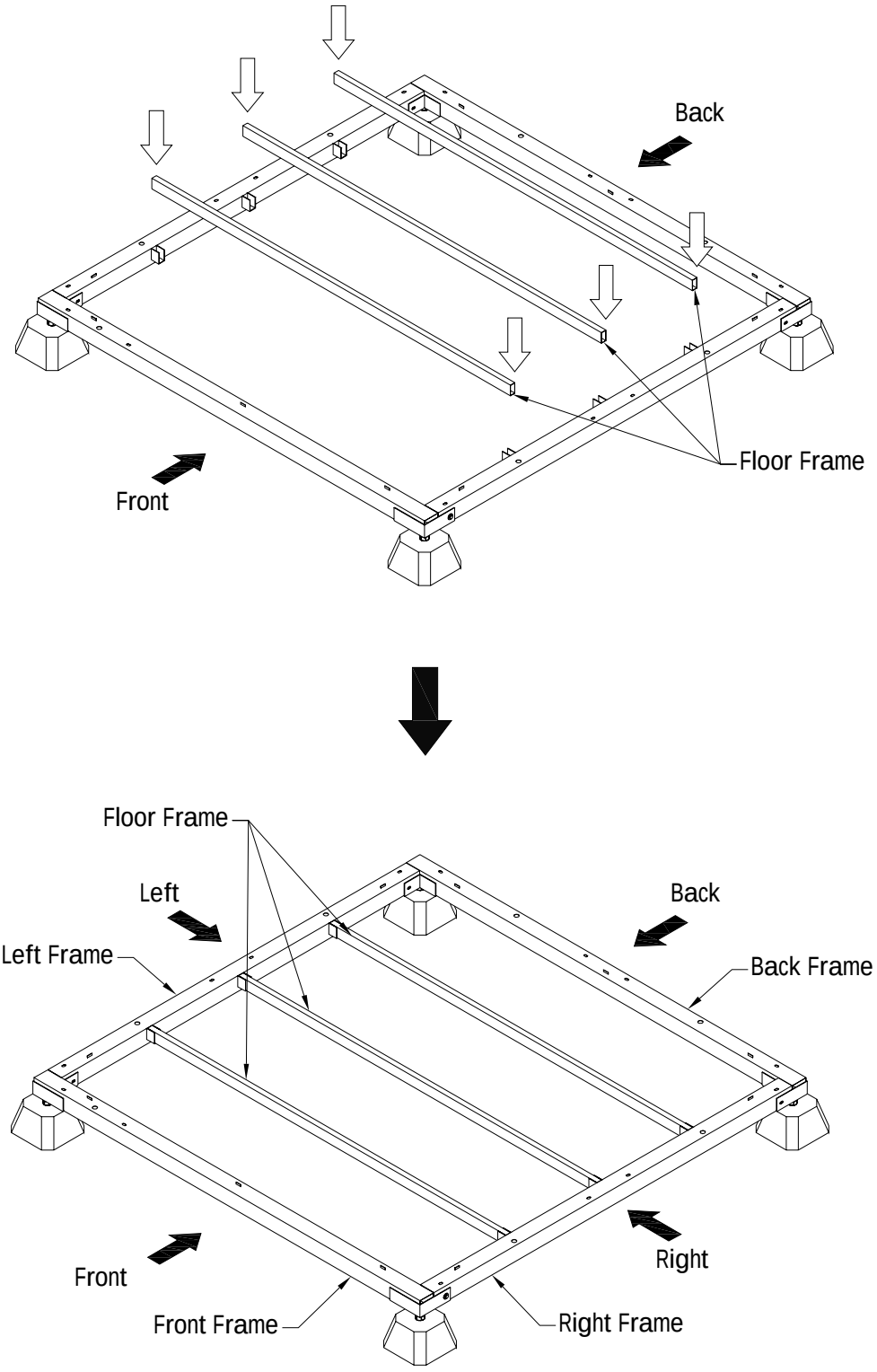
Similarly, set the Left frame and Right frame slats in place and connect them with bolts.
(Note: Do not overtighten the bolts yet. Keep them loose until all parts are assembled).



FOUNDATION & BASE FLOOR ASSEMBLY

STEP 4

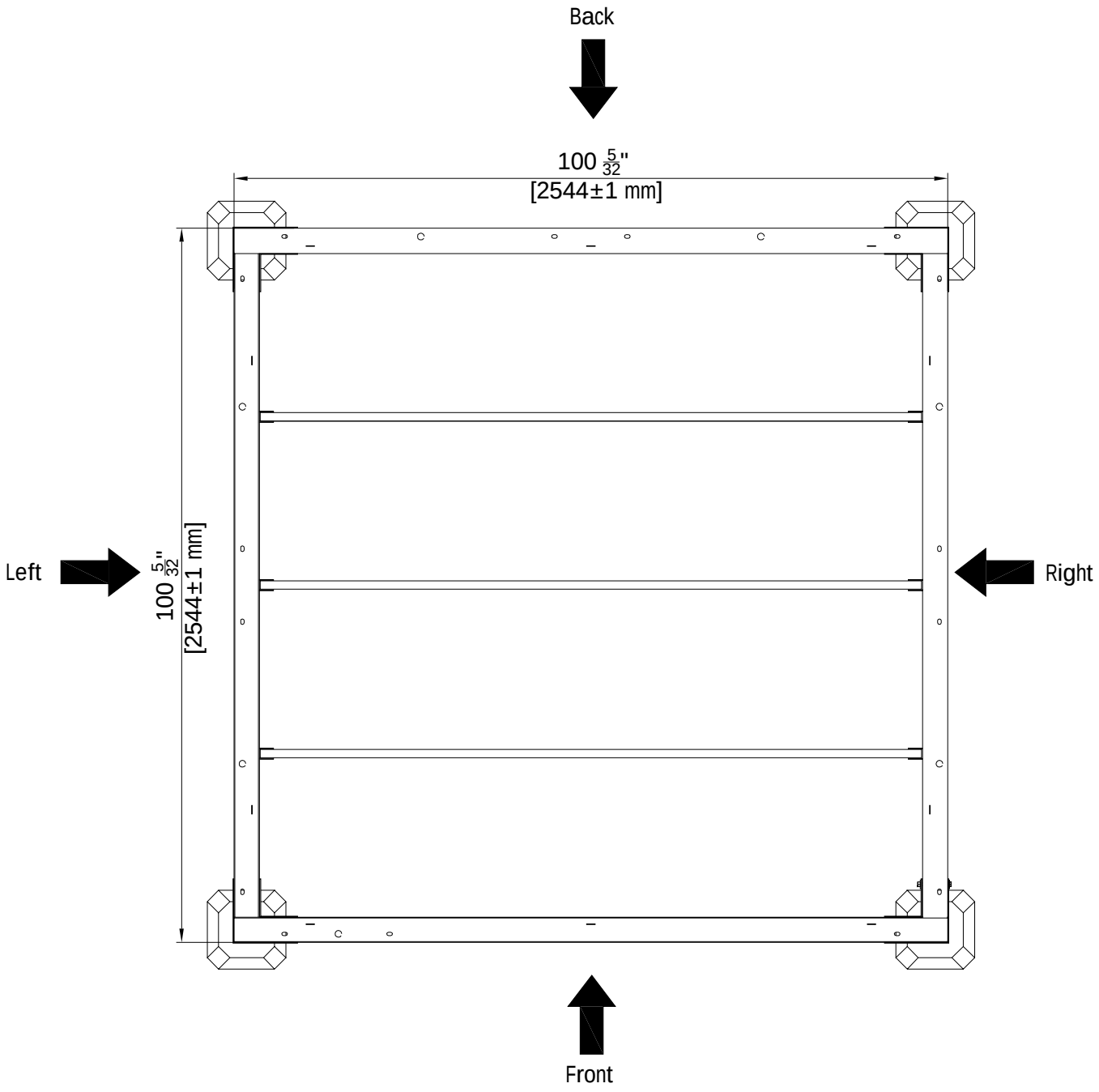
Set the Floor Frame in place as shown below.



FOUNDATION & BASE FLOOR ASSEMBLY

STEP 5

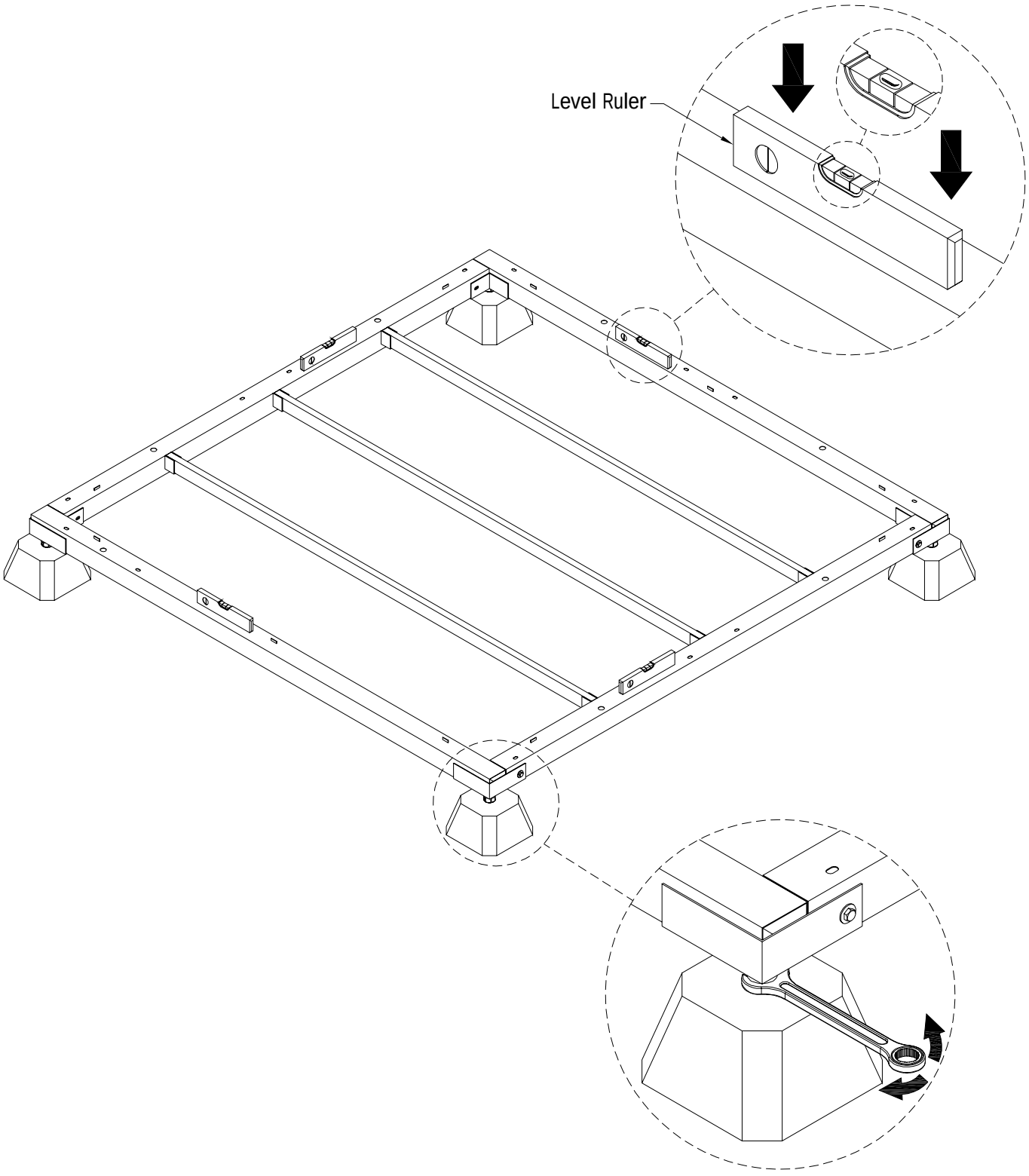
Double check that all slats are in the correct position and orientation (this step is important for alignment).



FOUNDATION & BASE FLOOR ASSEMBLY

STEP 6

IMPORTANT: After installing the floor steel frame, use a level to check all sides, ensuring they are all level.



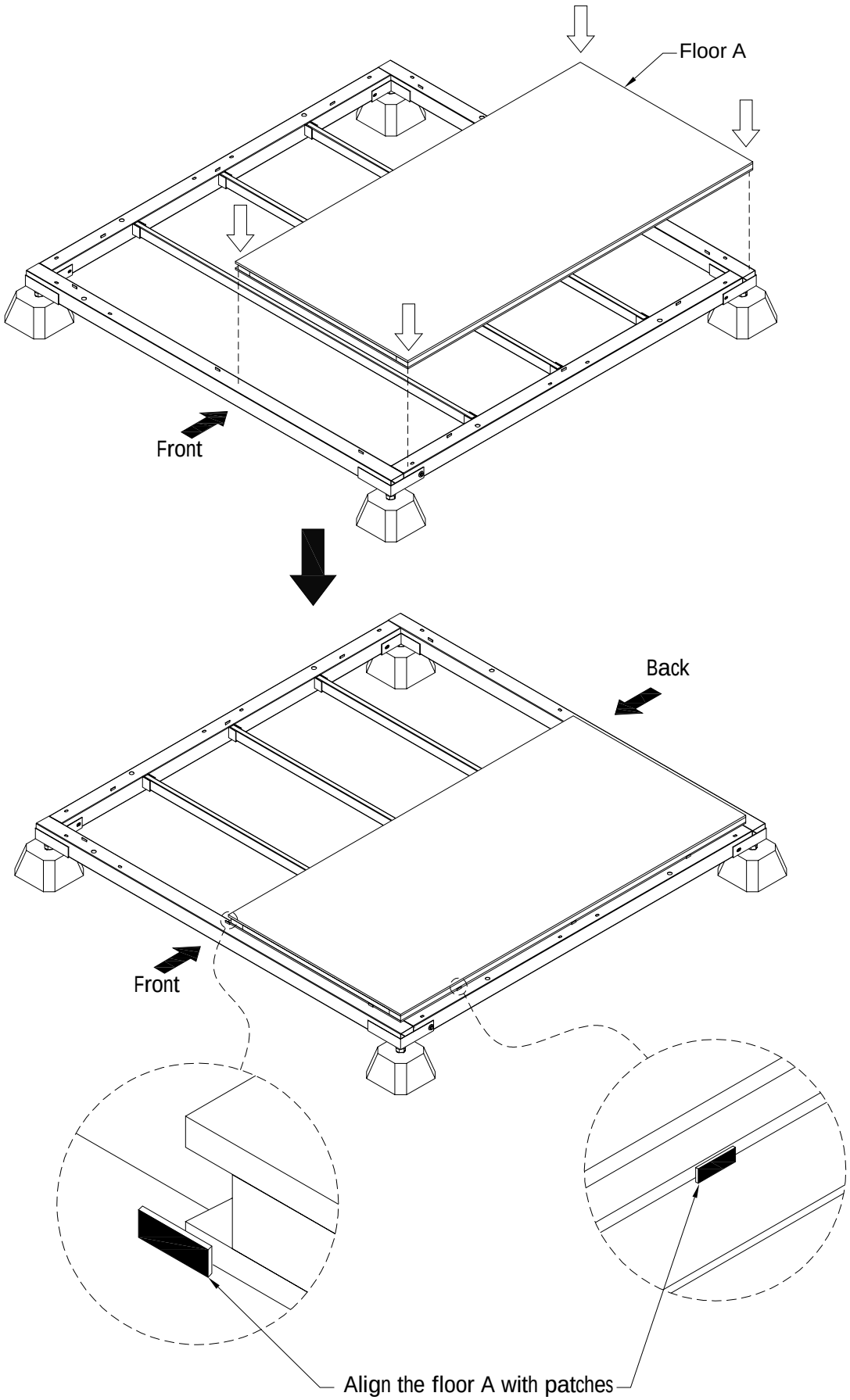
Use a wrench to adjust the height of **Adjustment Foundation**

Checking the size and level of the floor steel frame after assembly is extremely important, this helps prevent many problems later, so remember to pay attention.

FOUNDATION & BASE FLOOR ASSEMBLY

STEP 7

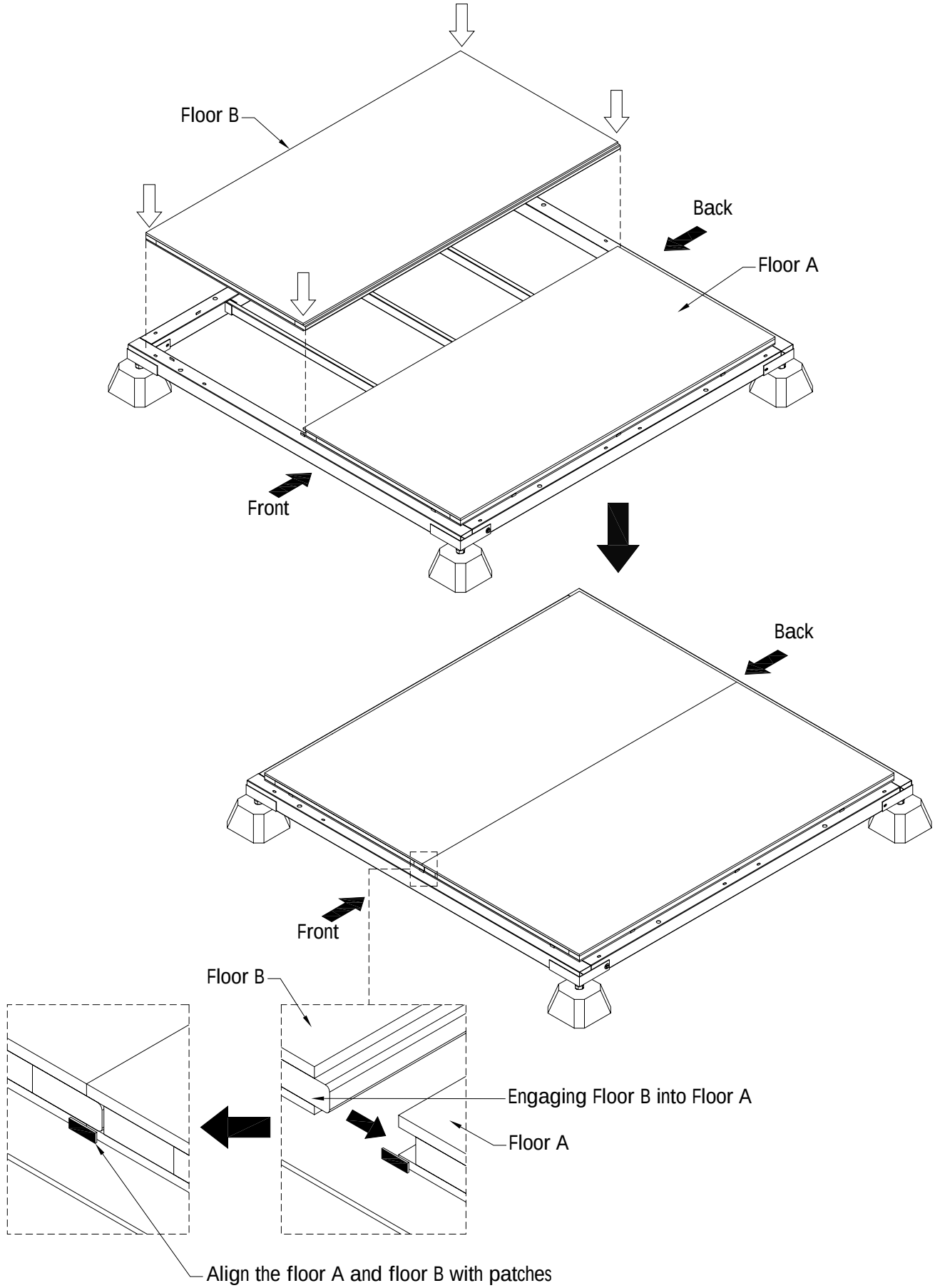
Place the Floor A in position like the figure below.



FOUNDATION & BASE FLOOR ASSEMBLY

STEP 8

As with Floor A. Position the Floor B and gently insert the tongue into the groove of Floor A.

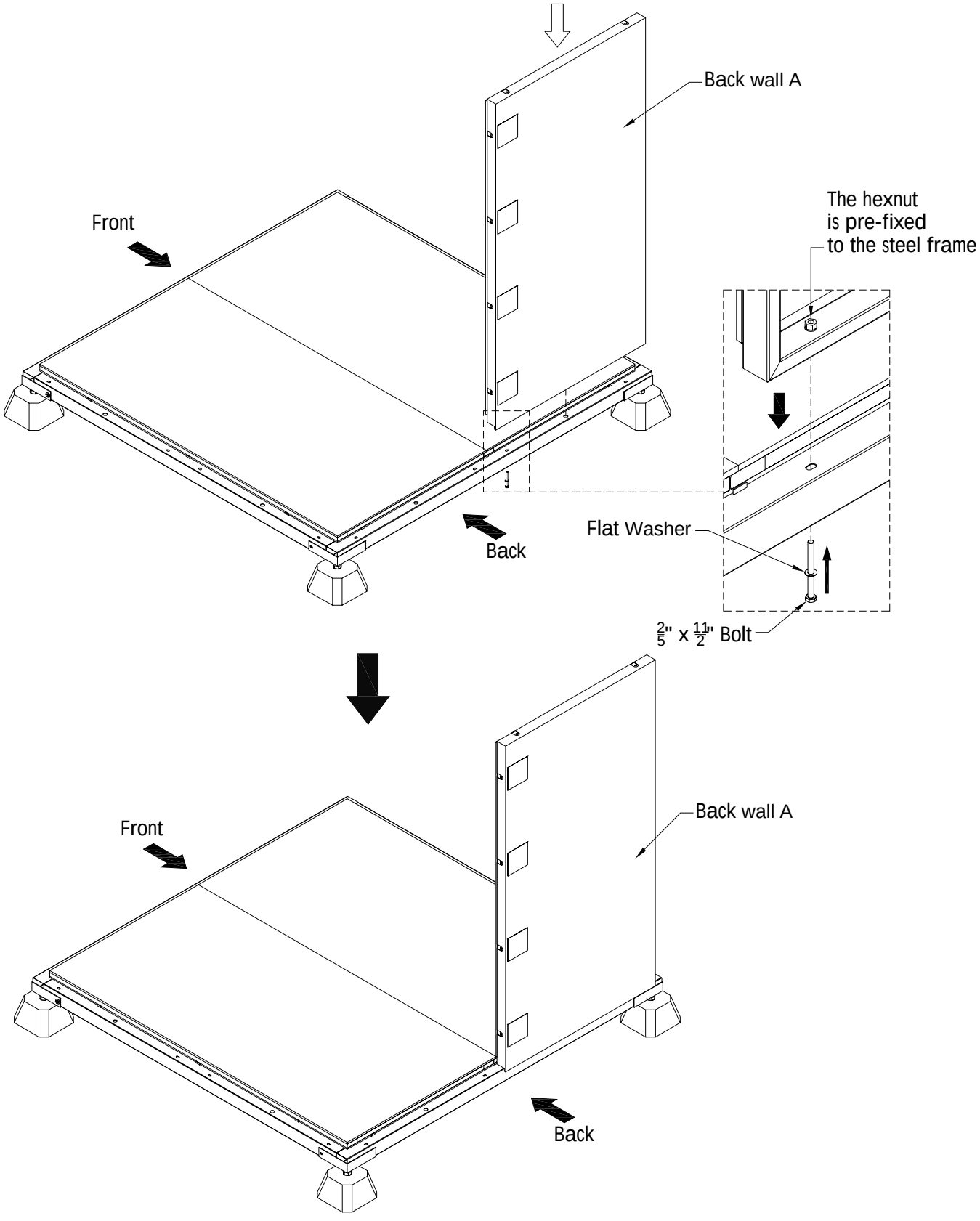


WALL INSTALLATION

WALL ASSEMBLY

STEP 1

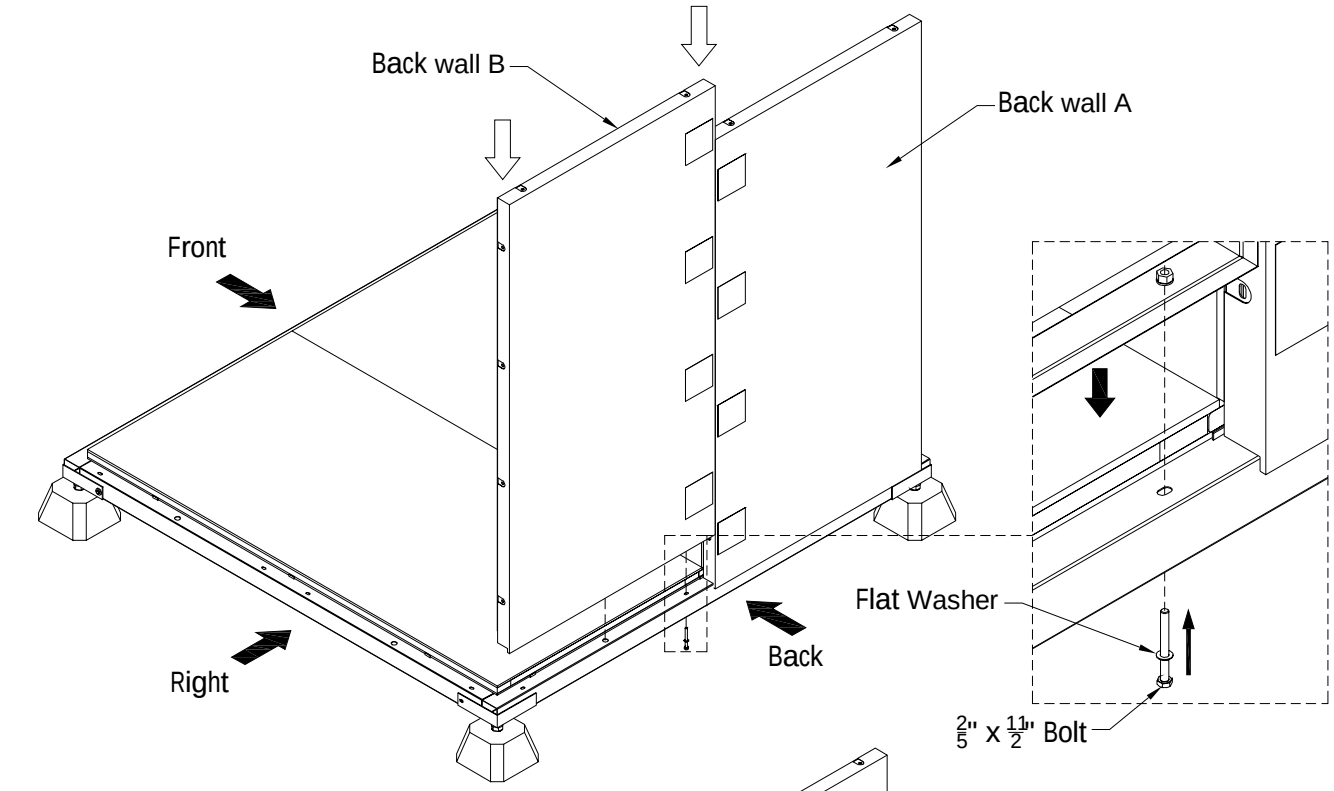
Place Back wall A into position. Carefully align the locating pin with the corresponding hole on the steel floor frame, and then secure the connection with the bolts. *Do not overtighten the bolts.*

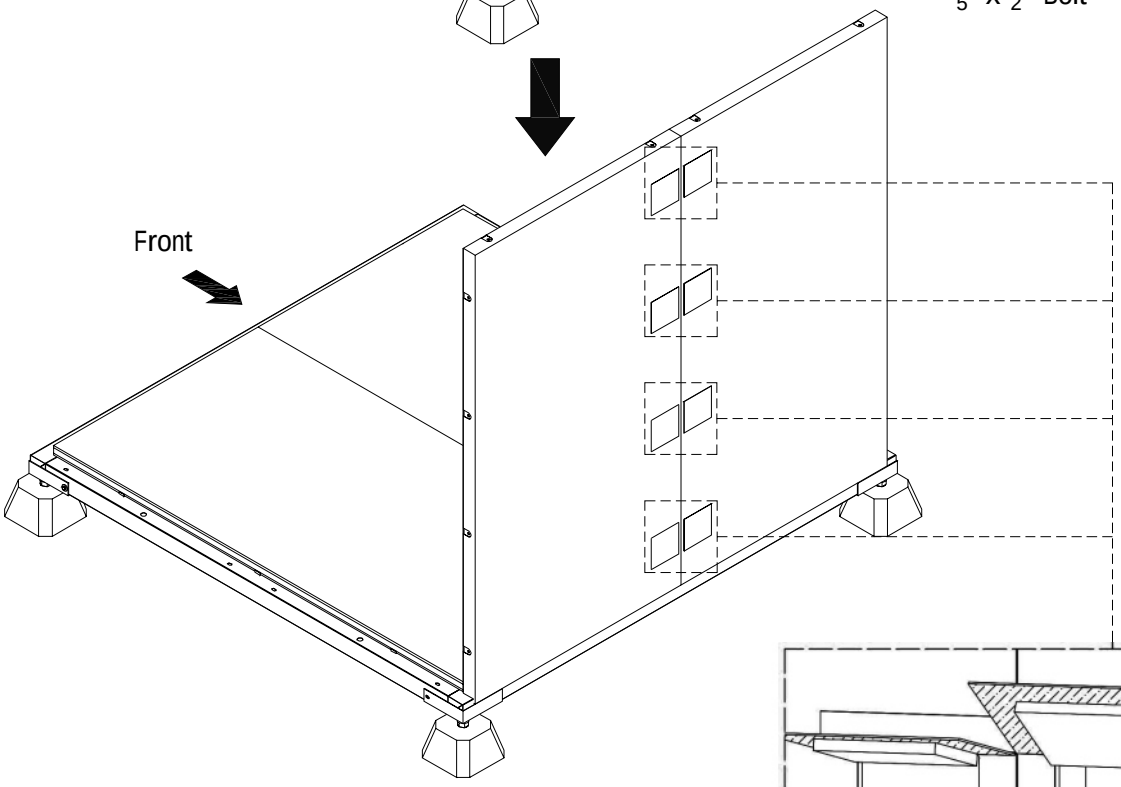


WALL ASSEMBLY

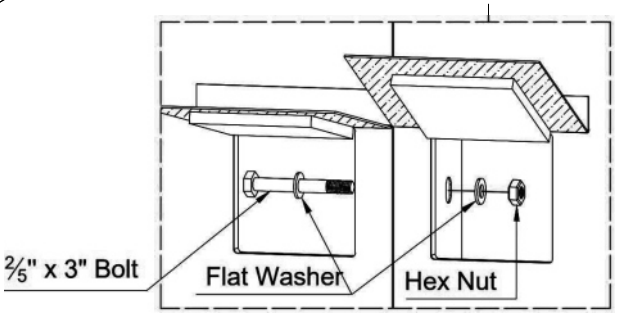
STEP 2

As with Back wall A, position Back wall B, and then secure the connection with the bolts.
Do not overtighten the bolts.





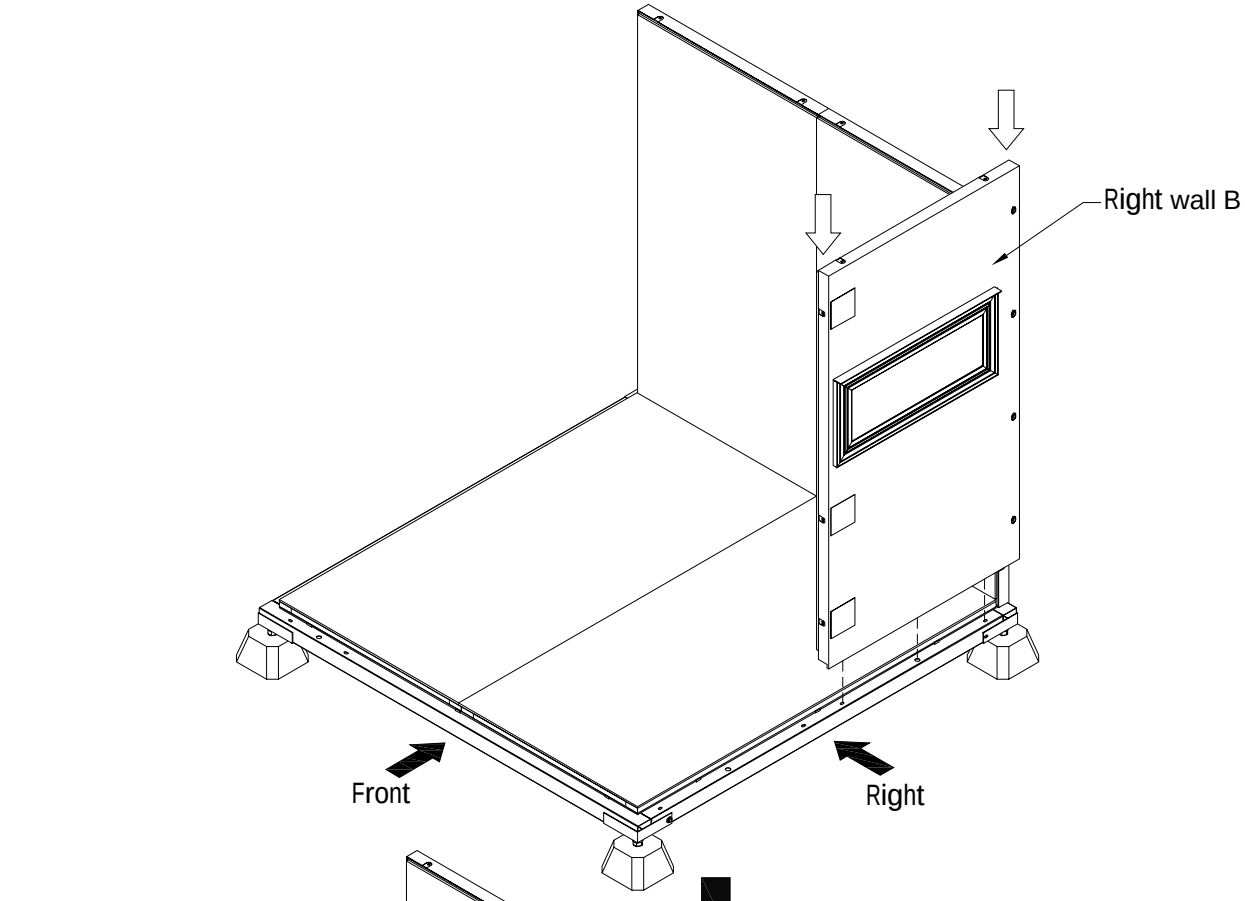
Fasten Back Wall A to Back Wall B with the bolts, as shown in the adjacent figure.

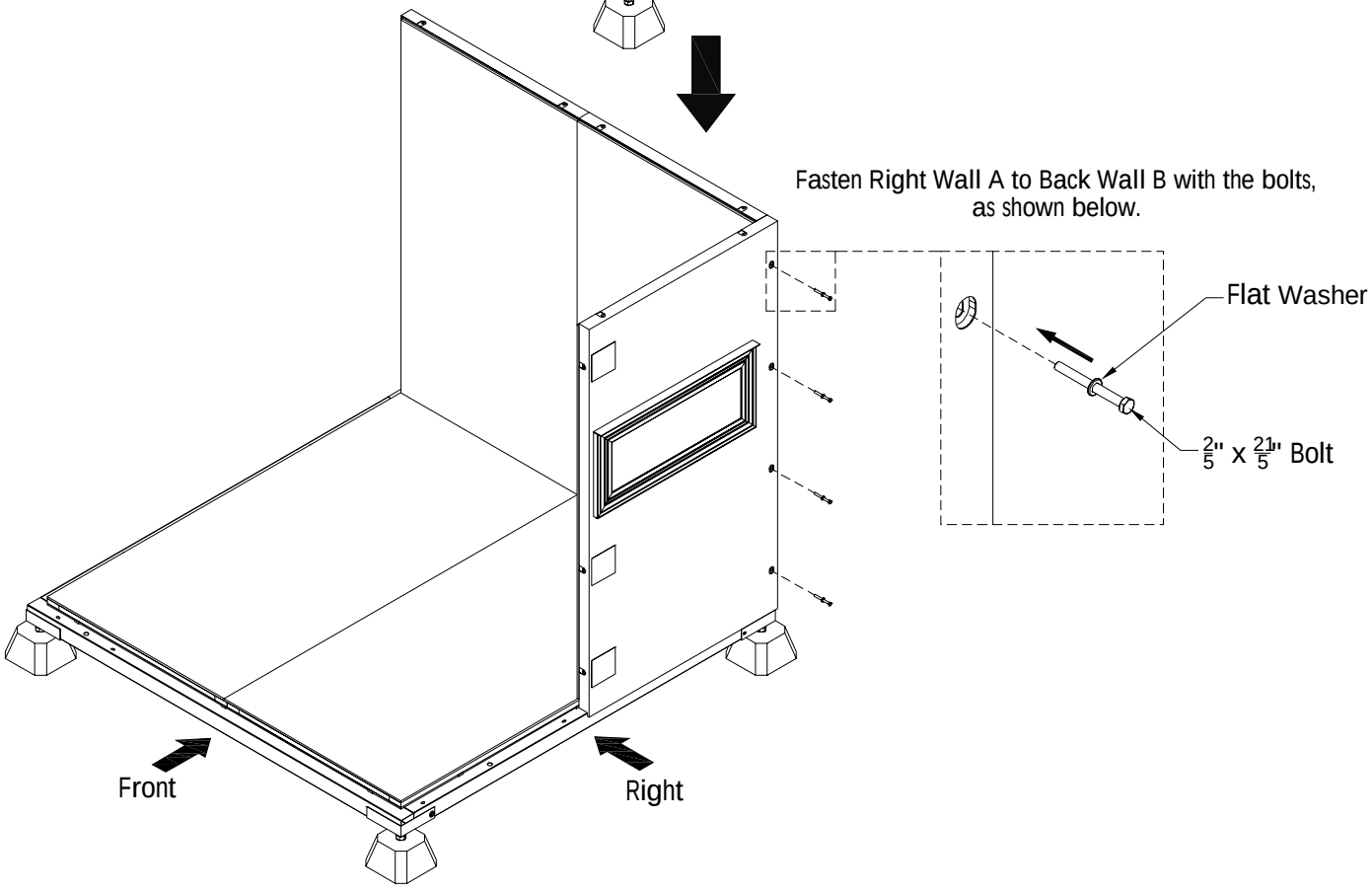


WALL ASSEMBLY

STEP 3

Position Right Wall B on the right side of the unit, and then secure the connection with the bolts.
Do not overtighten the bolts.

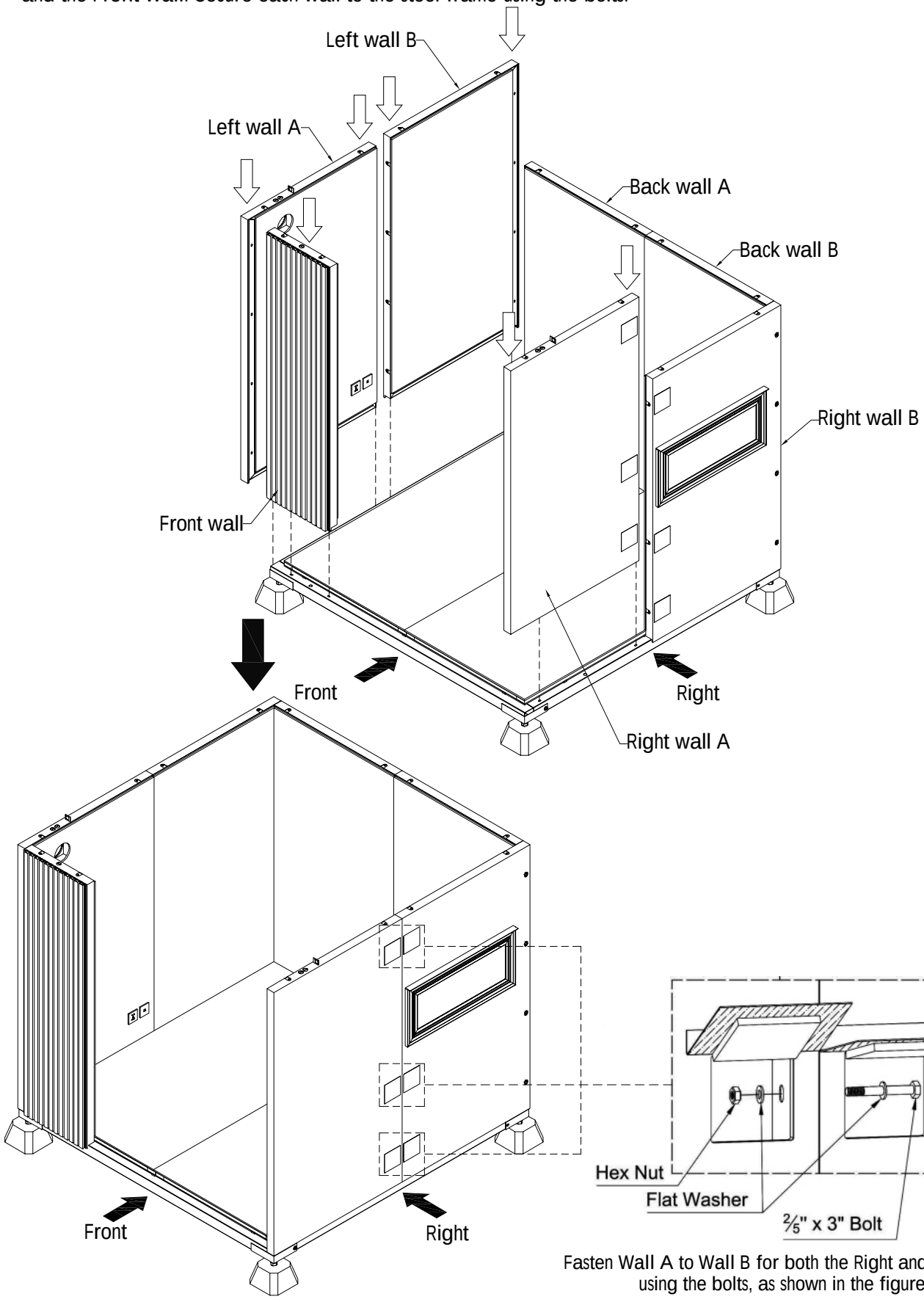




WALL ASSEMBLY

STEP 4

Following the same procedure, position the remaining wall panels: Right Wall A, Left Wall A, Left Wall B, and the Front Wall. Secure each wall to the steel frame using the bolts.

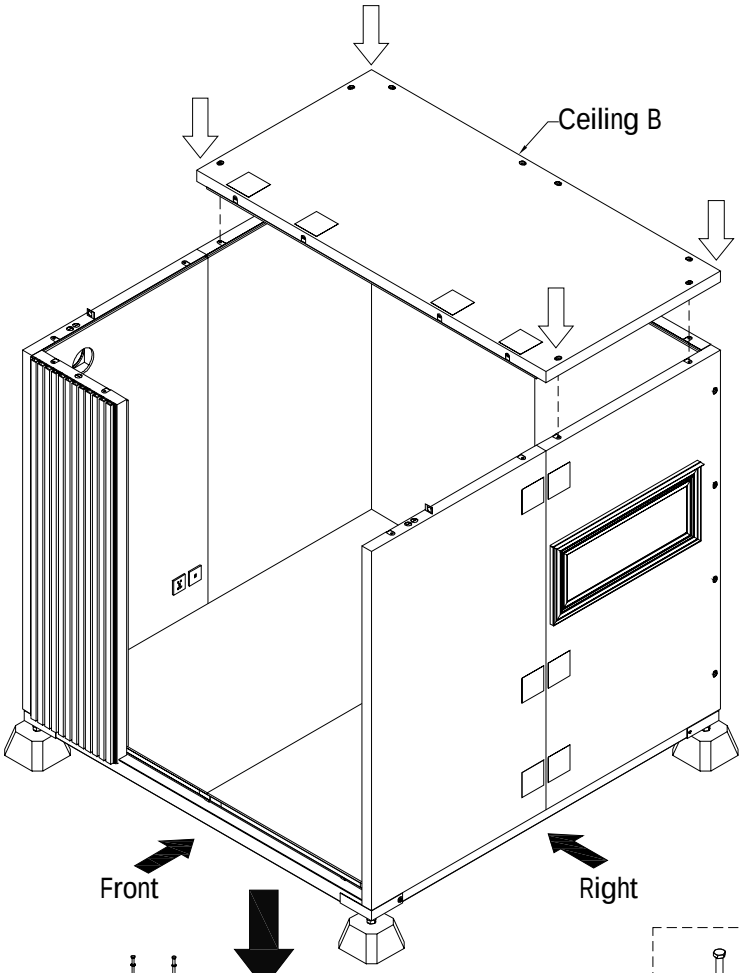


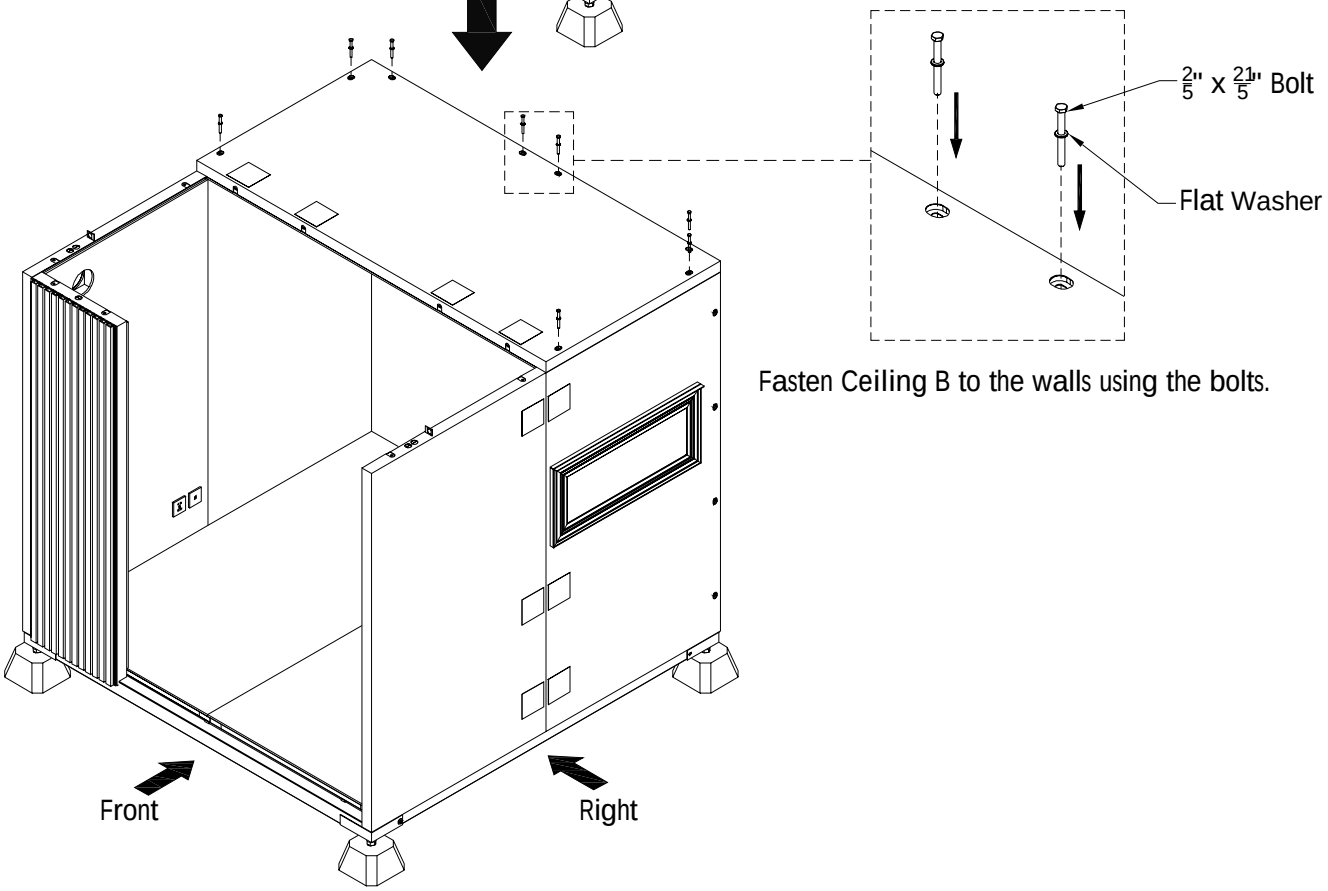
Fasten Wall A to Wall B for both the Right and Left sides using the bolts, as shown in the figure.

WALL ASSEMBLY

STEP 5

Position Ceiling B as shown in the figure below.



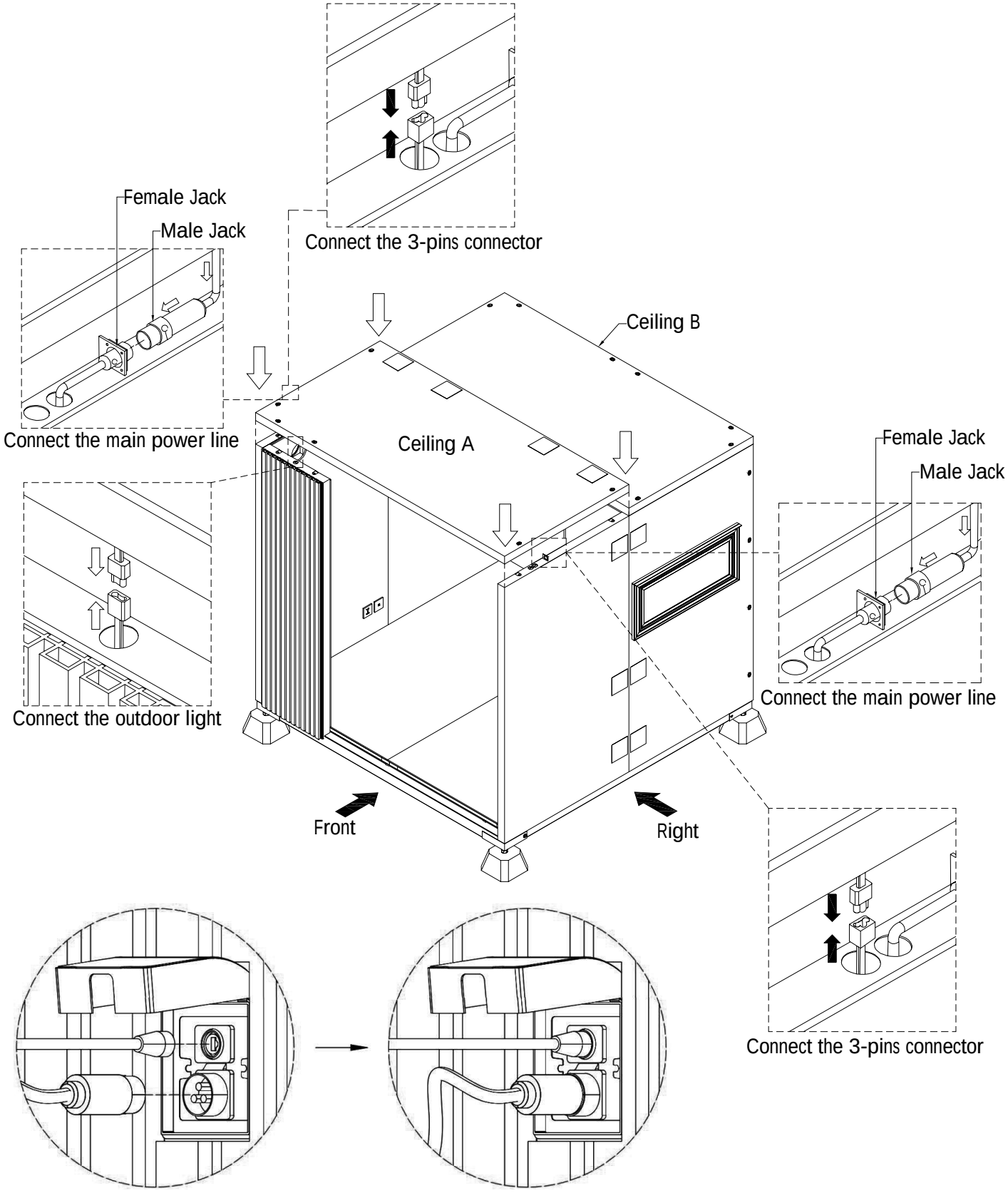


Fasten Ceiling B to the walls using the bolts.

WALL ASSEMBLY

STEP 6

IMPORTANT: Position Ceiling A as shown in the figure below and connect all the power connectors.



CRITICAL: To ensure proper function and verify the wiring is fault-free, perform the following steps:

1. Connect the indoor and outdoor light jacks.

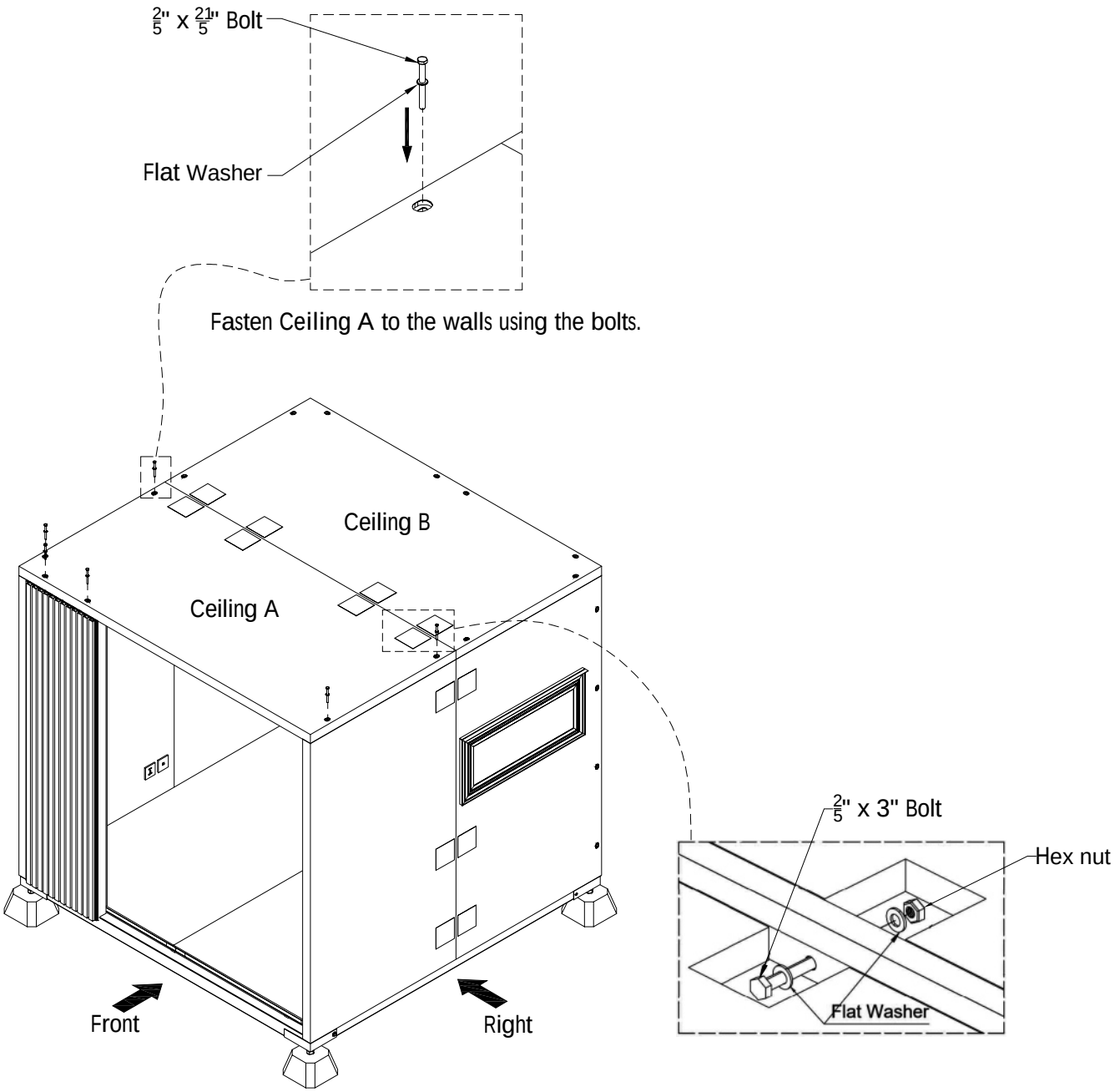
2. Plug the main power cable into the external jack located on the Left Wall.

3. Finally, test all switches and electrical outlets to confirm they are functioning correctly.

WALL ASSEMBLY

STEP 7

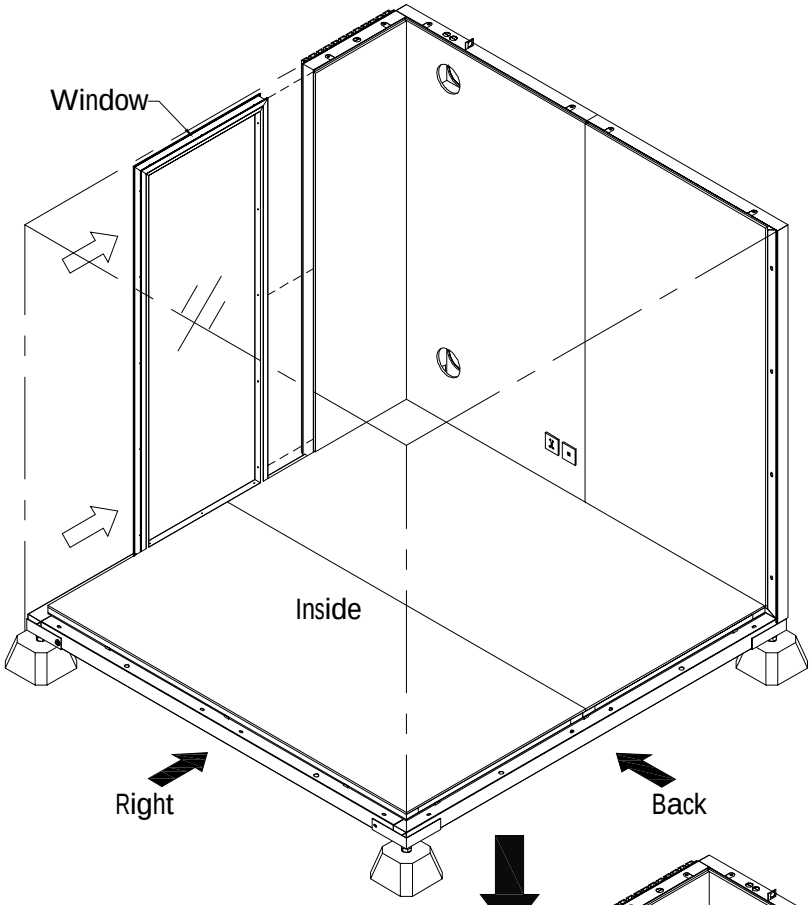
Once the electrical test is successful, proceed to unplug the main power cable and the indoor and outdoor light jacks. Then secure the connection with the bolts.

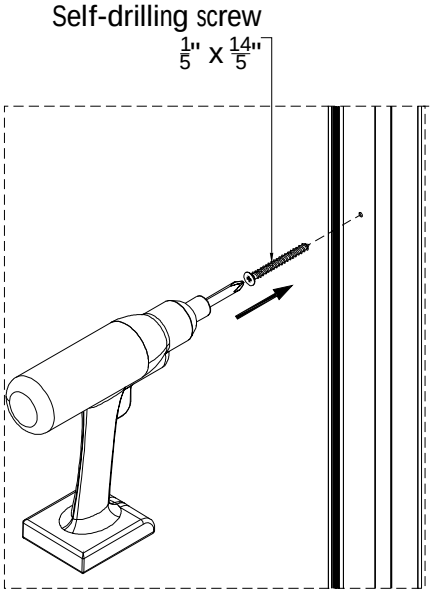


WALL ASSEMBLY

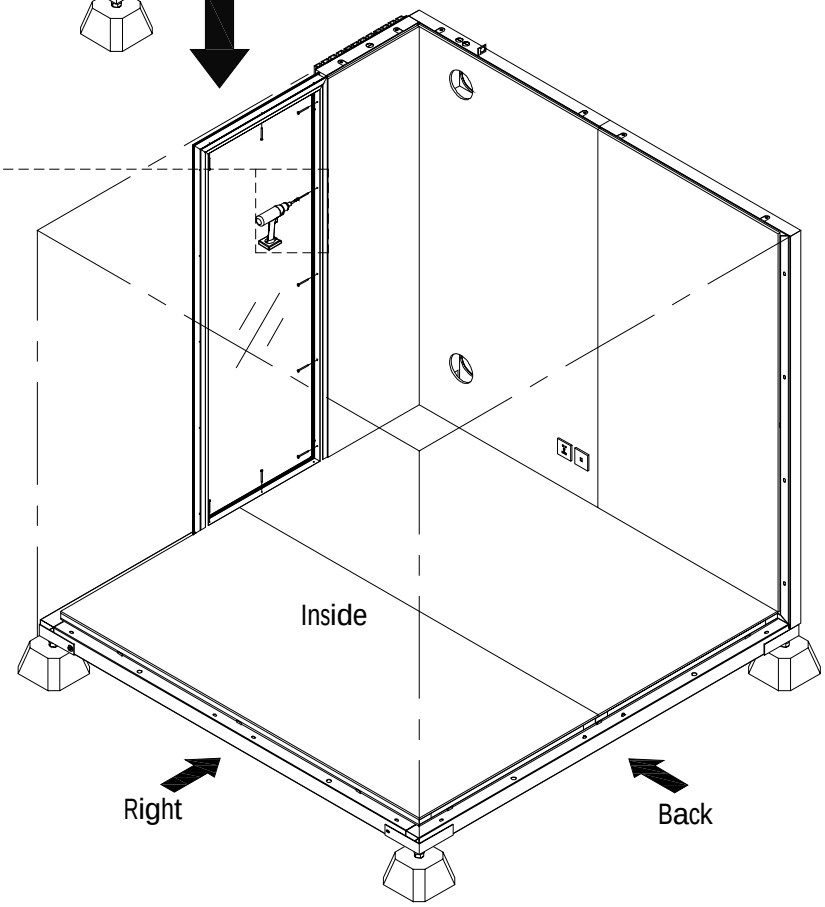
STEP 8

Position the **w**indow as shown in the figure below. Secure it with the self-drilling screws.





Fasten the screw into the designated hole in the frame.

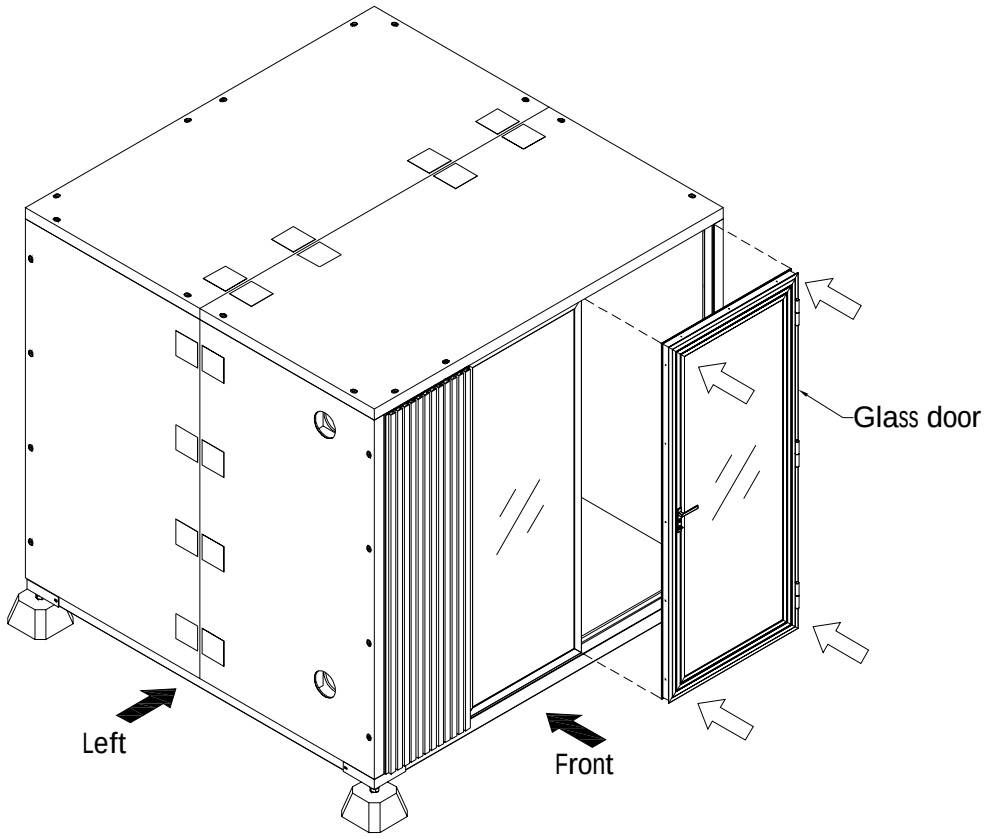


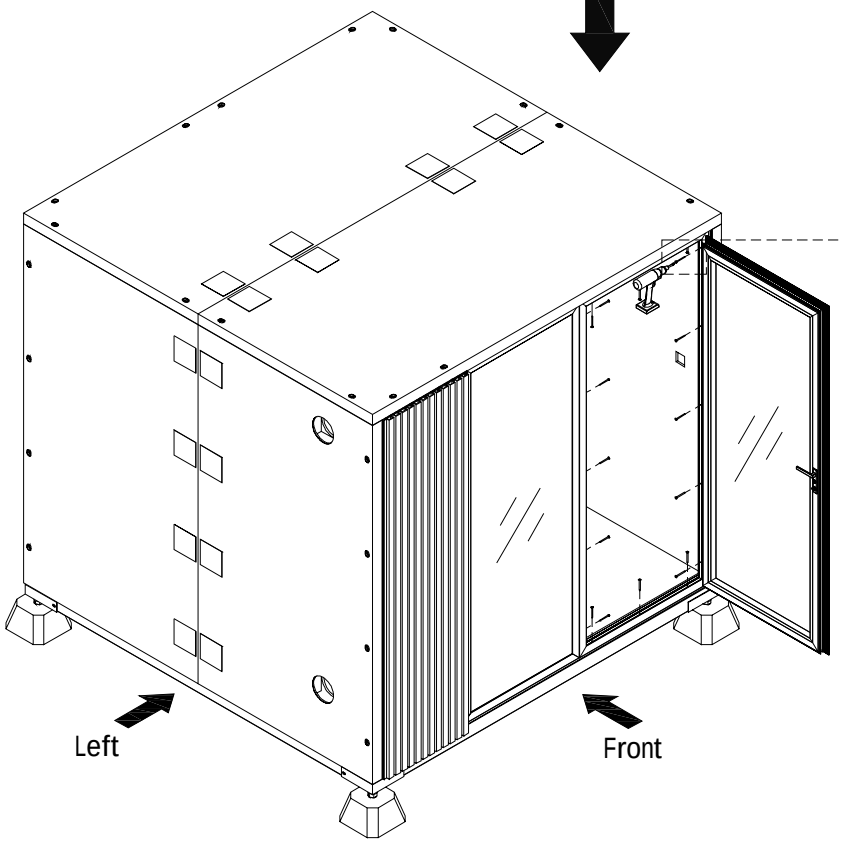
***Certain modules have been omitted for interior clarity*

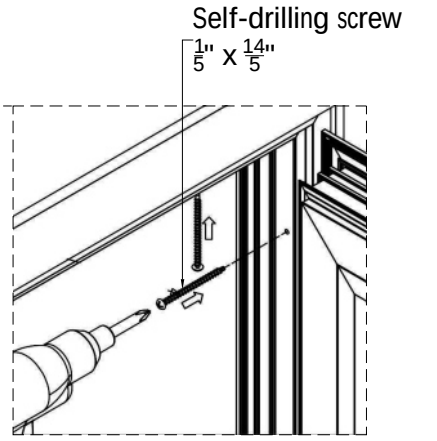
WALL ASSEMBLY

STEP 9

Position the Glass door as shown in the figure below. Secure it with the self-drilling screws.





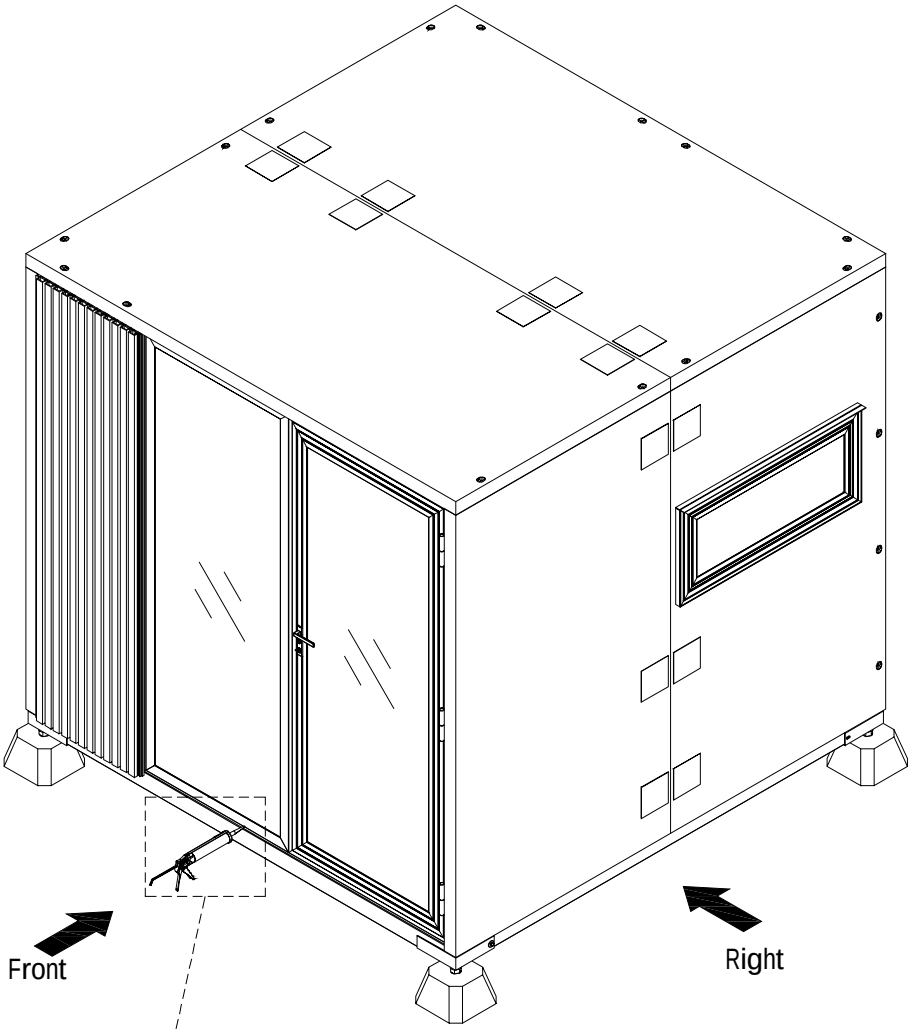


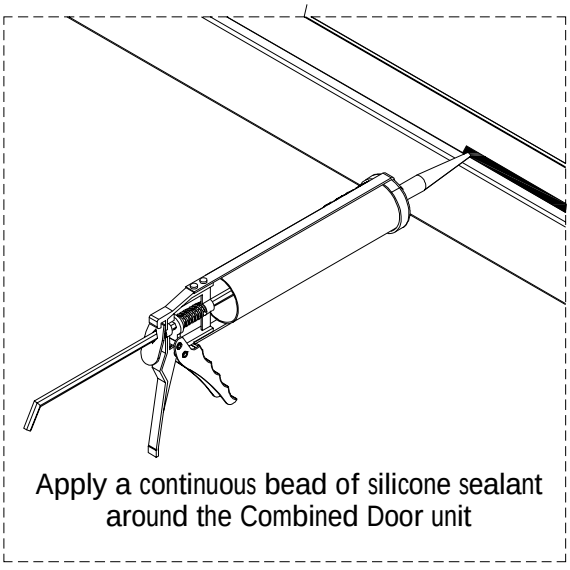
Fasten the screw into the designated hole in the frame.

WALL ASSEMBLY

STEP 10

Apply silicone sealant to seal the gaps around the Combined Door unit.





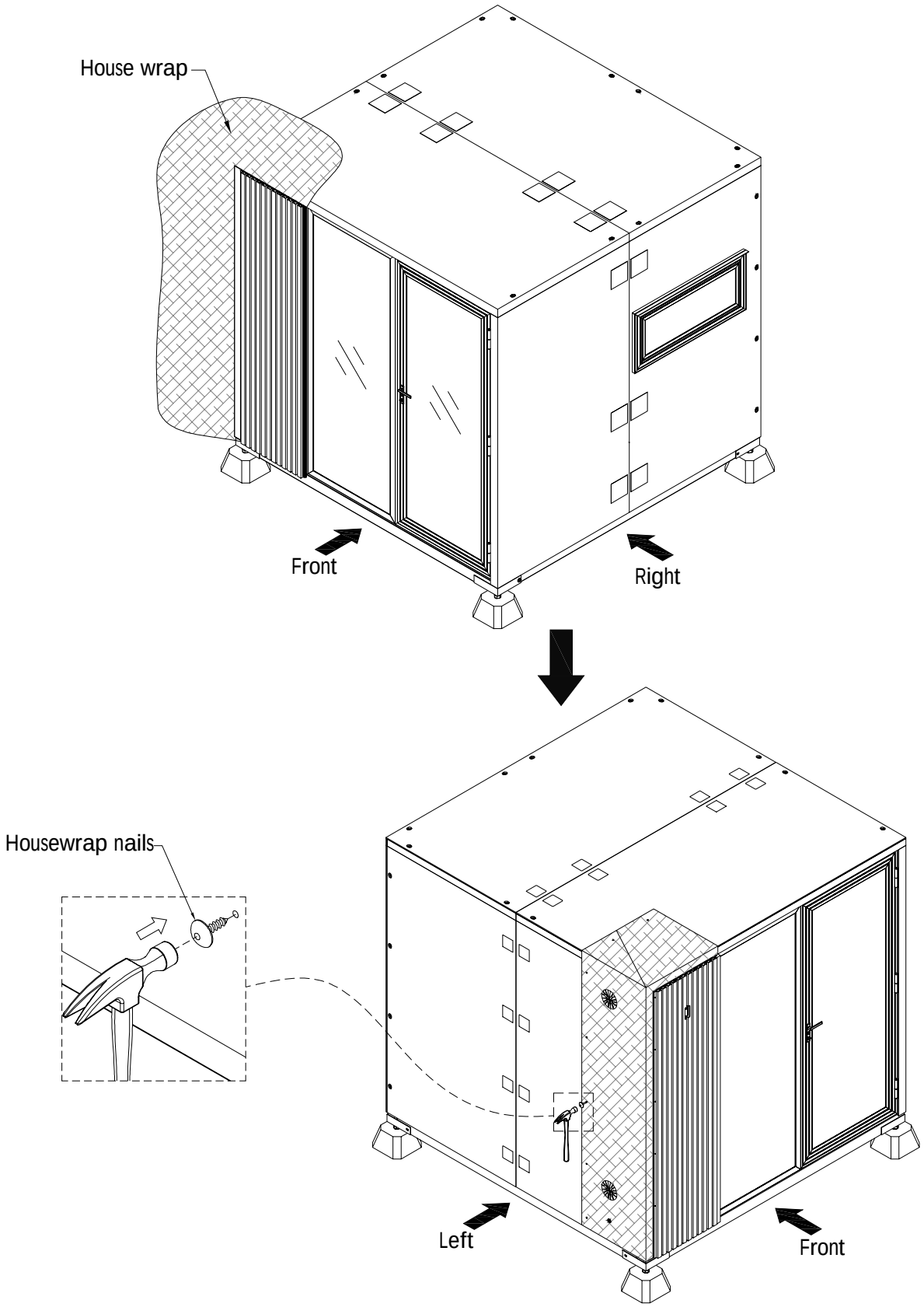
Apply a continuous bead of silicone sealant around the Combined Door unit

BITUMEN & HOUSE WRAP

BITUMEN & HOUSE WRAP

STEP 1

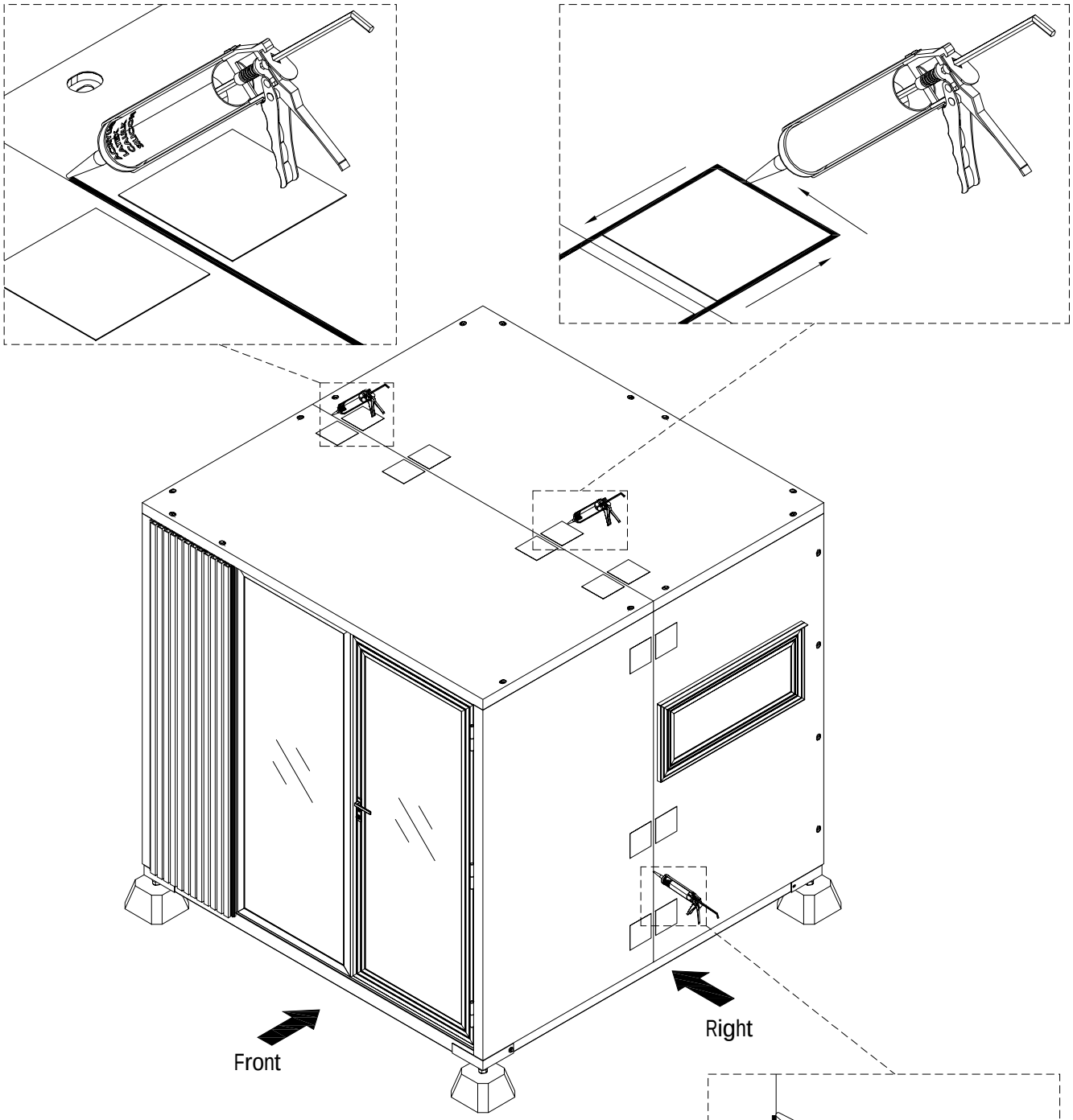
The Front Wall has an excess HouseWrap section. Fold the excess material back onto the rear of the Left Wall and Ceiling, then fasten it in place using nails.

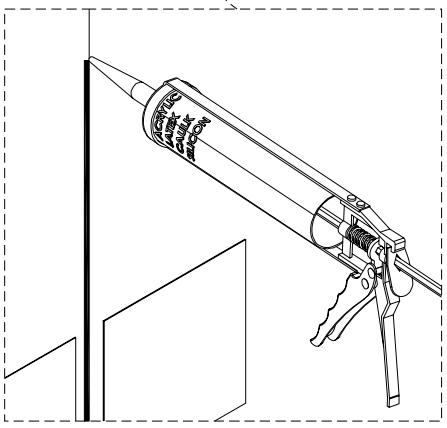


BITUMEN & HOUSE WRAP

STEP 2

Apply Bossil Glue to seal the gaps at the Bolt Cap locations.





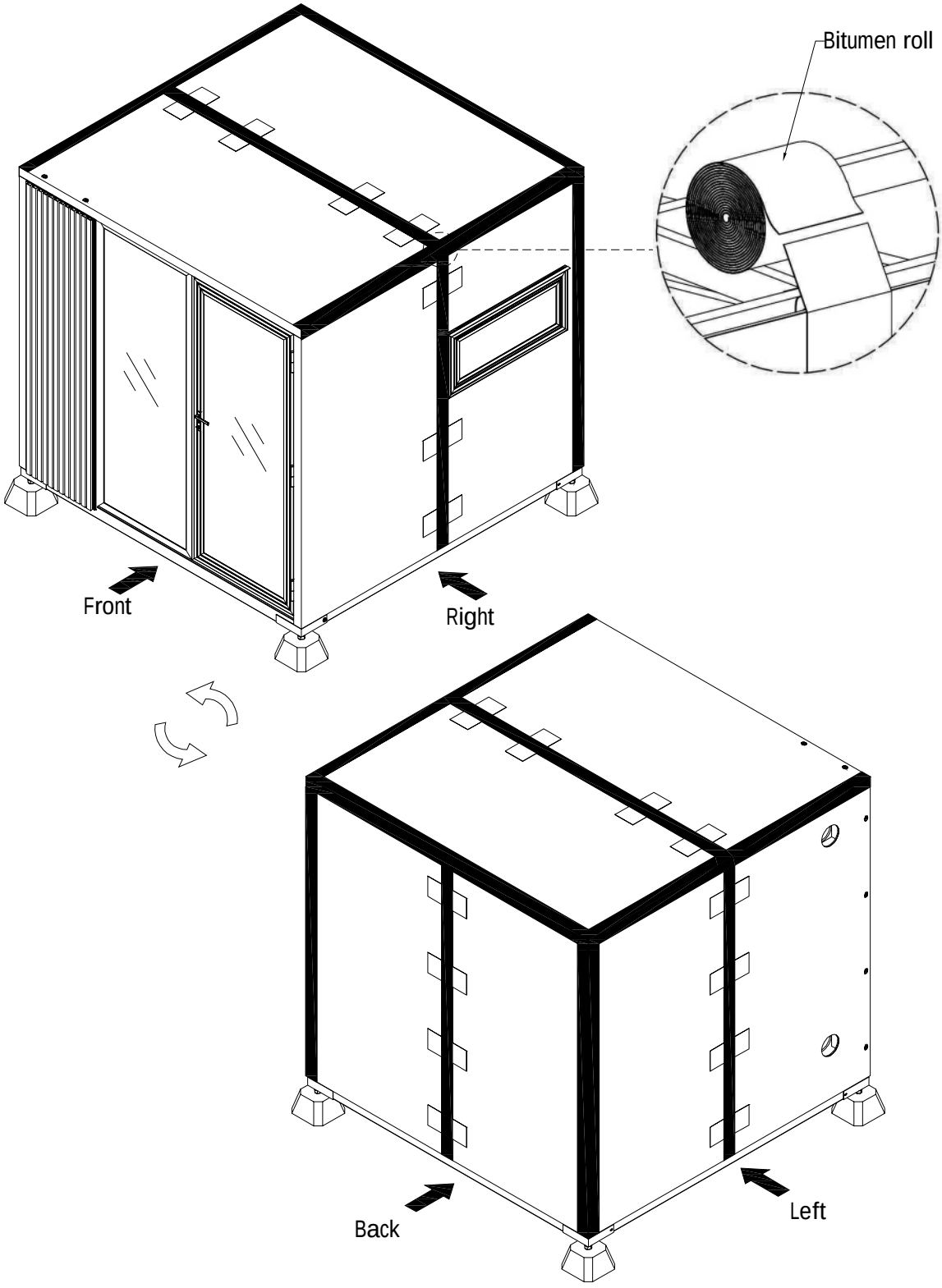
**Tip: To ensure the correct amount of sealant, cut the silicone nozzle tip to match the exact size of the gap you intend to seal.*

BITUMEN & HOUSE WRAP

STEP 3

Seal all seams between components using the bitumen roll.
CRITICAL: It is essential that this step is performed properly, as improper sealing will compromise the unit's integrity and may lead to water penetration.

1. Remove the protective layer of bitumen roll
2. Melt the bitumen roll surface (using heat gun or hair dryer)
3. Apply the bitumen roll to seal the seam, ensuring it is straight and wrinkle-free
4. Use a rubber mallet to tap the entire bitumen line, pressing the surface down firmly
5. Check for any non-adhering areas by pressing firmly with your hands

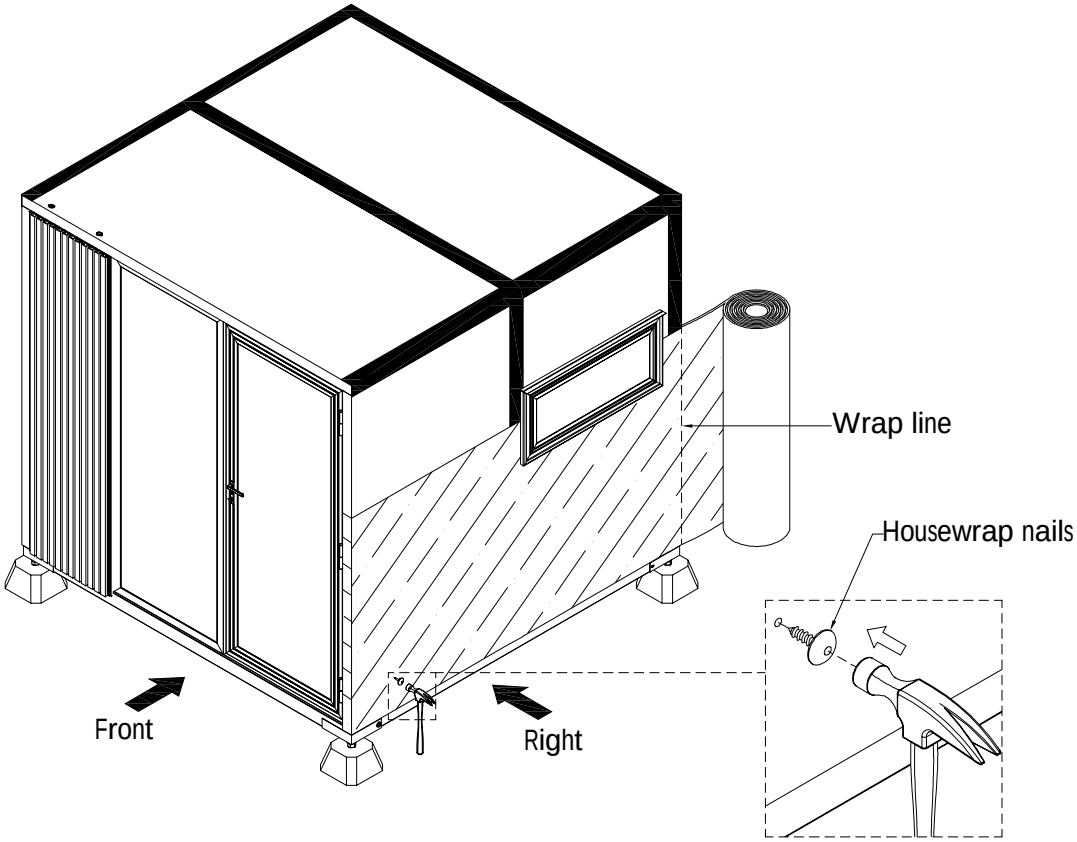


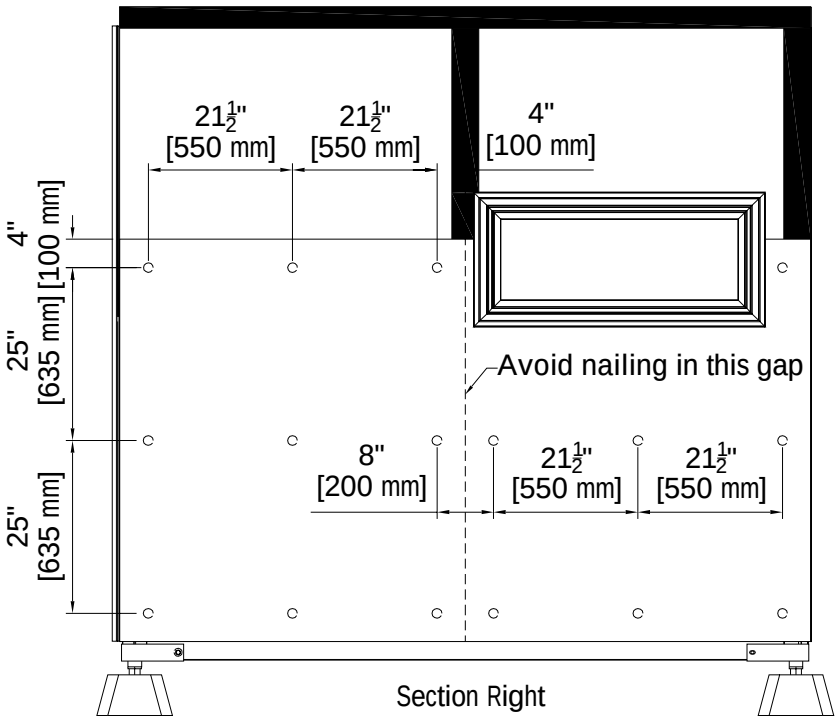
BITUMEN & HOUSE WRAP

STEP 4

Wrap the exterior Right wall with the first course of HouseWrap as shown below.

1. Start the installation at the bottom with the first course
2. Fasten the housewrap using plastic cap nails
3. When installing the second course, ensure you overlap the bottom layer by a minimum of 10 inches
4. Seal all seams and penetrations using construction tape

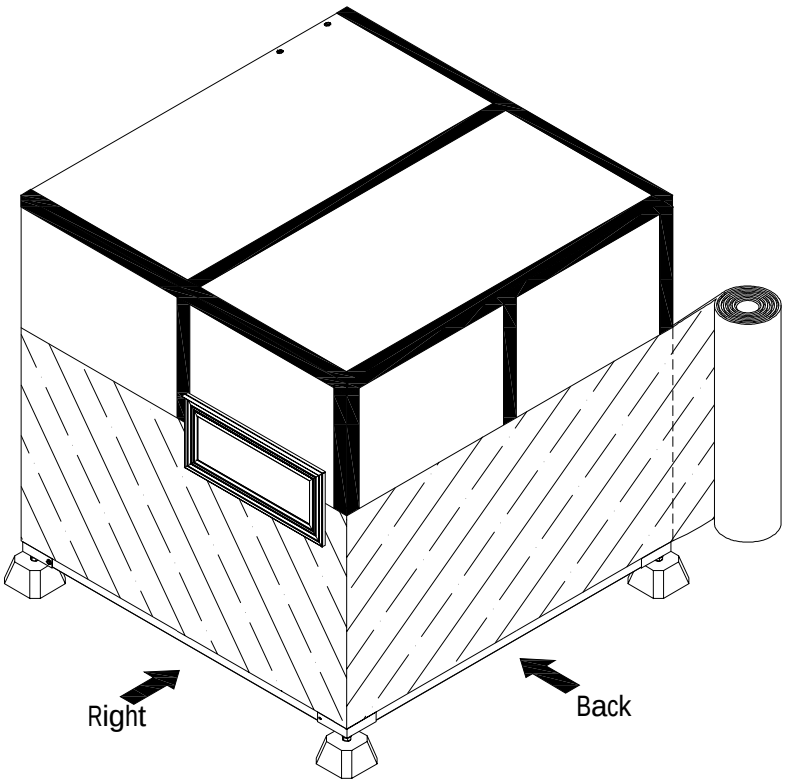


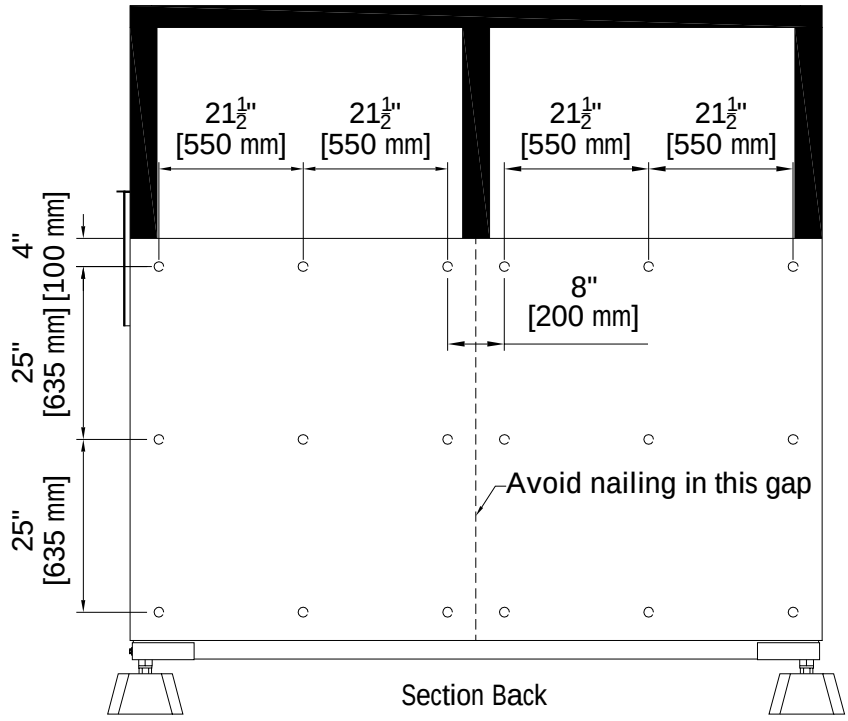


BITUMEN & HOUSE WRAP

STEP 5

Wrap the exterior Back wall with the first course of HouseWrap as shown below.

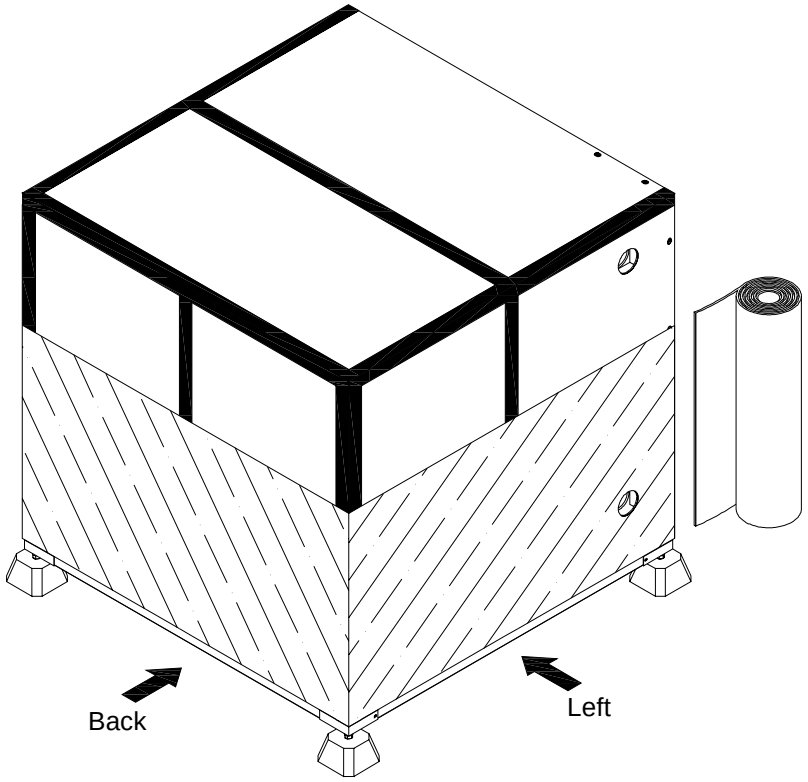


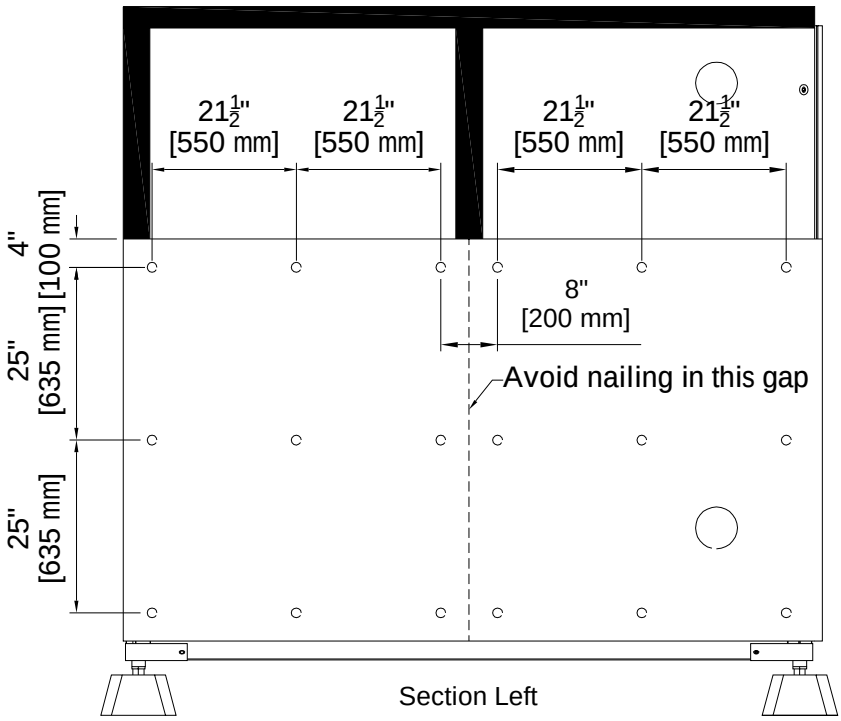


BITUMEN & HOUSE WRAP

STEP 6

Wrap the exterior Left wall with the first course of HouseWrap as shown below.

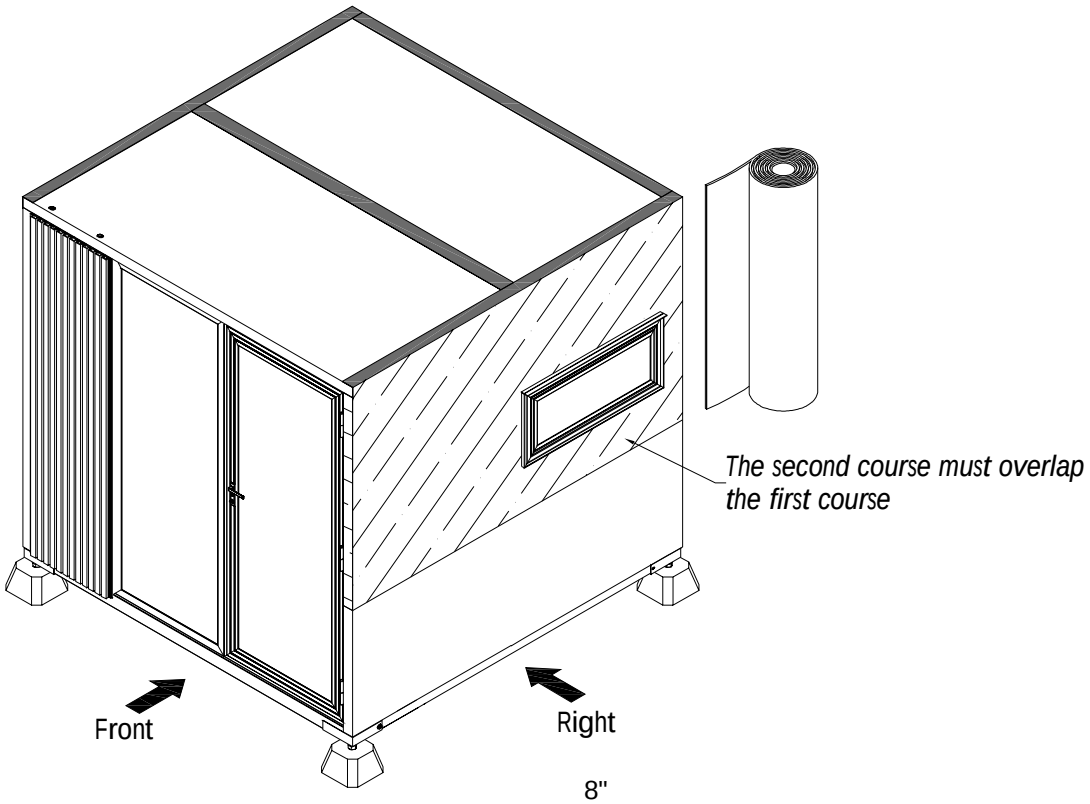


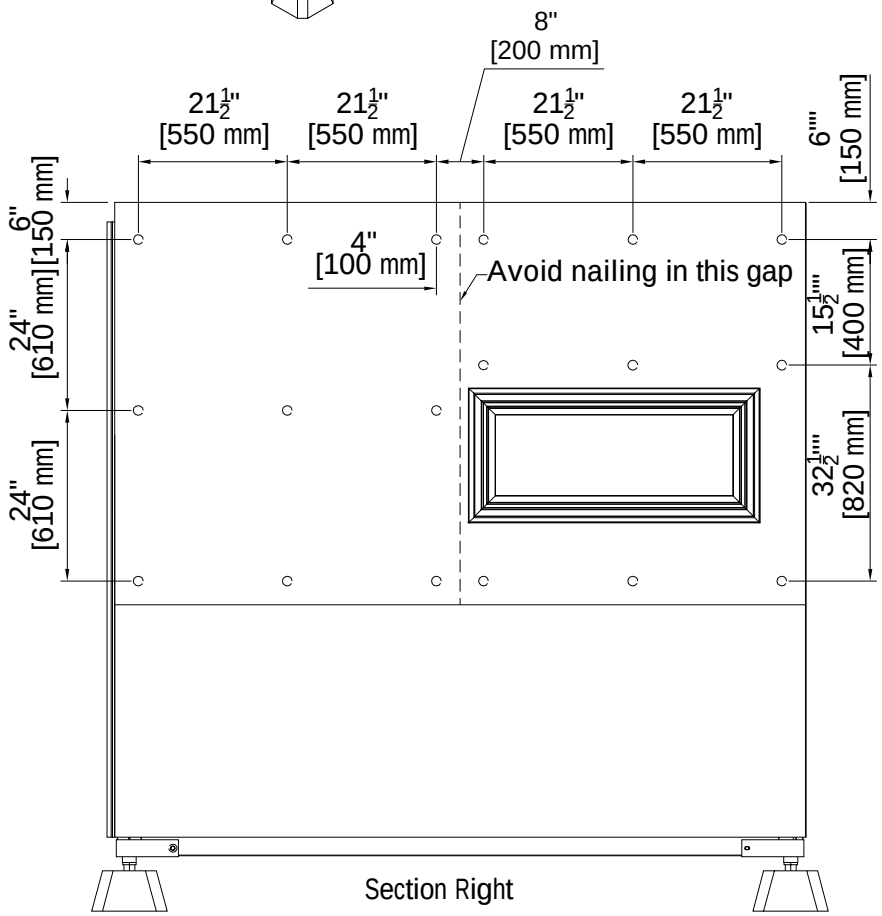


BITUMEN & HOUSE WRAP

STEP 7

Following the installation of the first course. Wrap the exterior walls with the second course of HouseWrap as shown below.

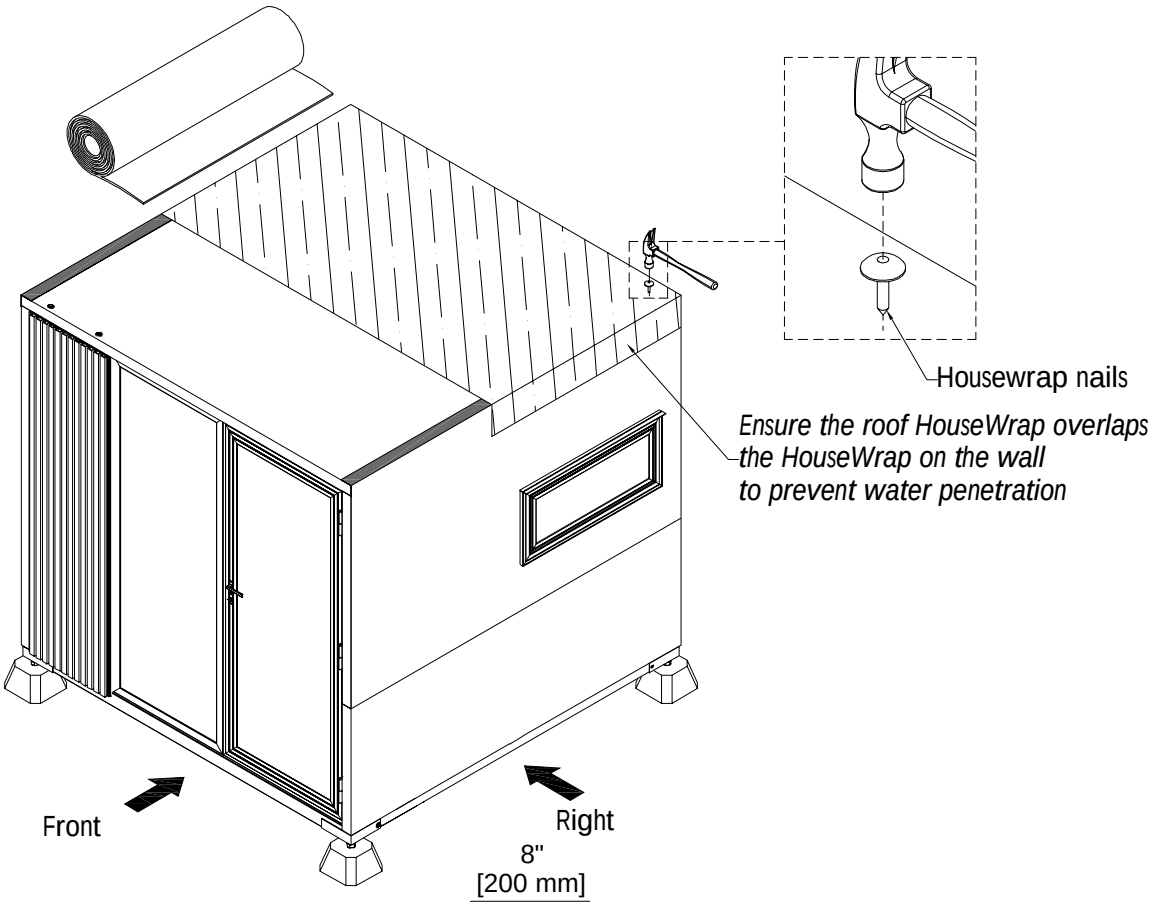


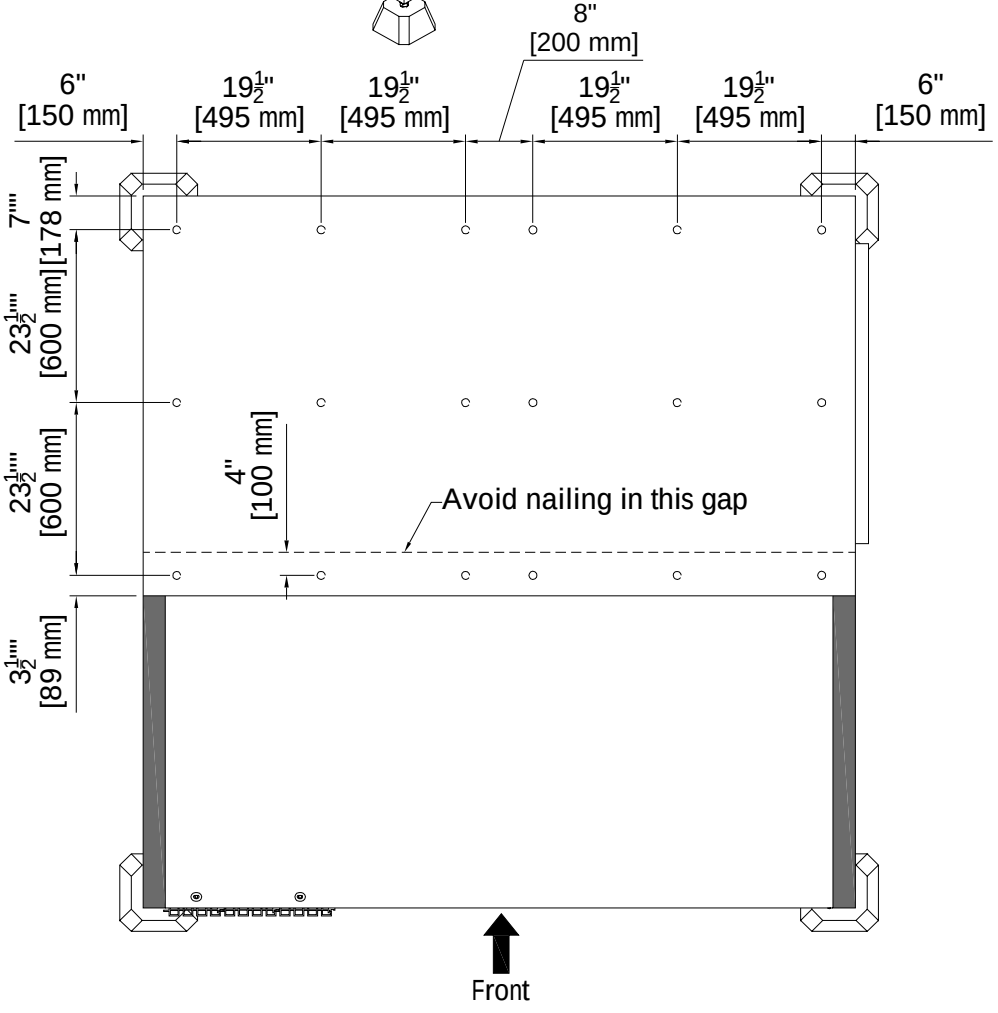


BITUMEN & HOUSE WRAP

STEP 8

Wrap the exterior roof with the first course of HouseWrap as shown below.

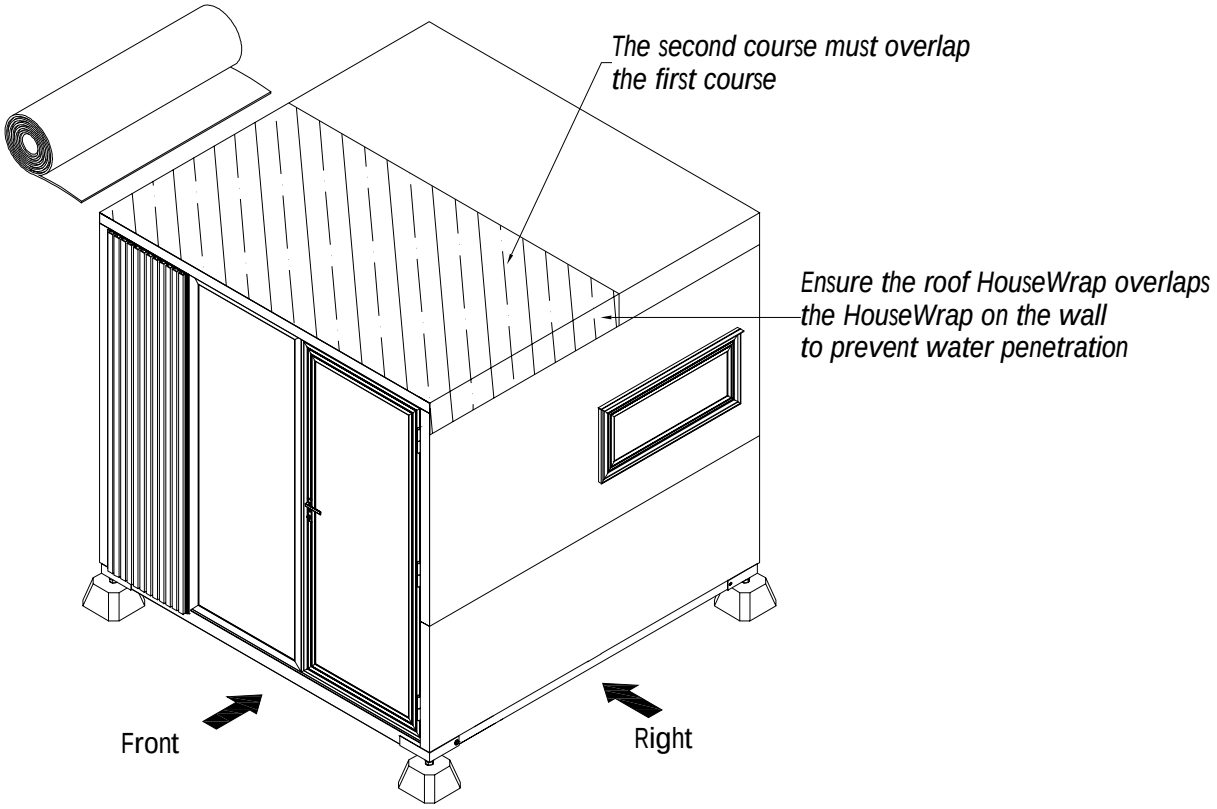


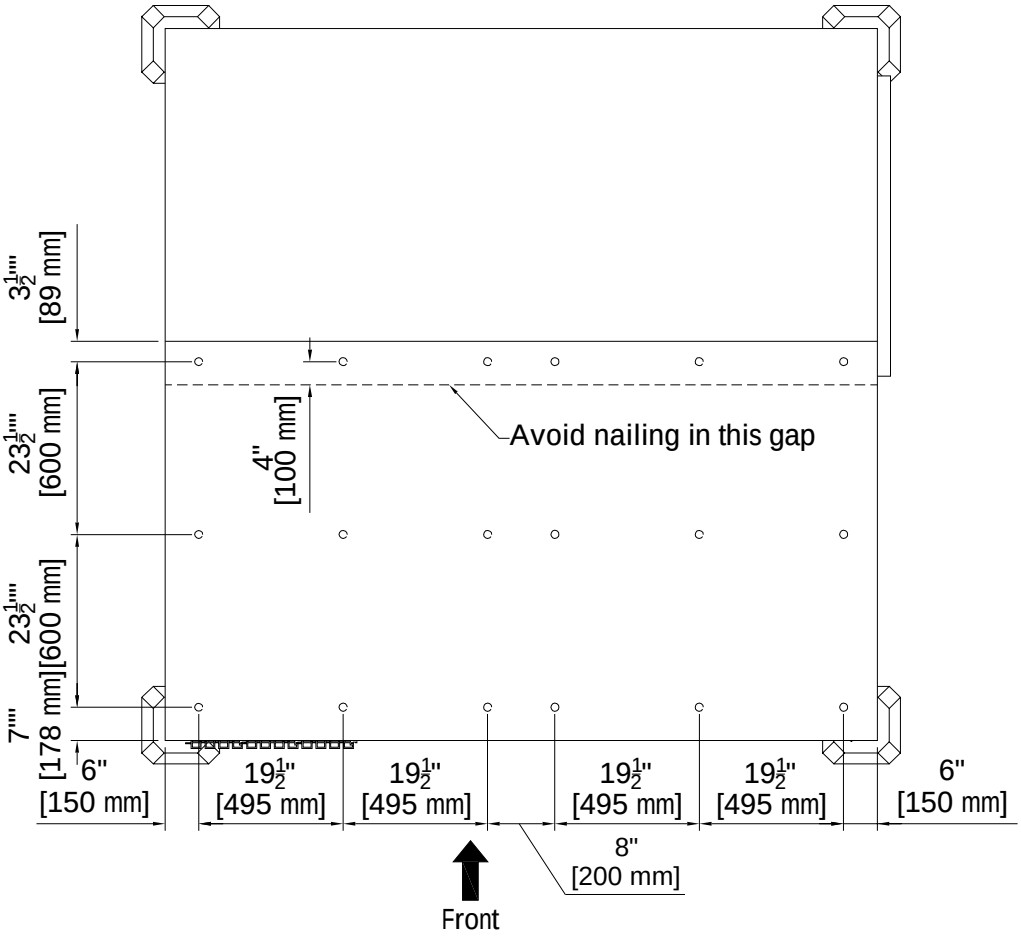


BITUMEN & HOUSE WRAP

STEP 9

Wrap the exterior roof with the second course of HouseWrap as shown below.

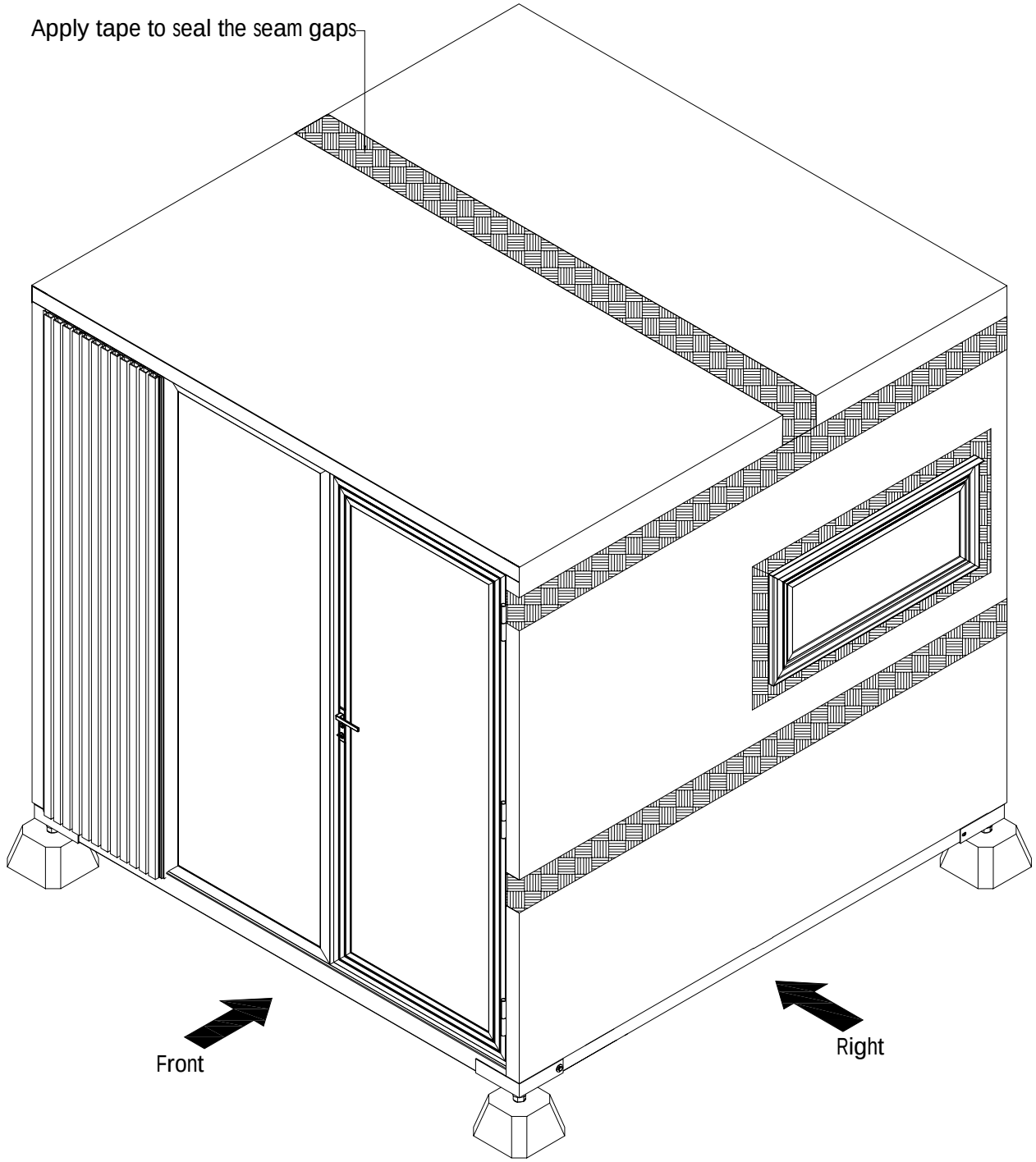




BITUMEN & HOUSE WRAP

STEP 10

Apply tape to seal all HouseWrap seam lines. Repeat this process on all sides of the unit.

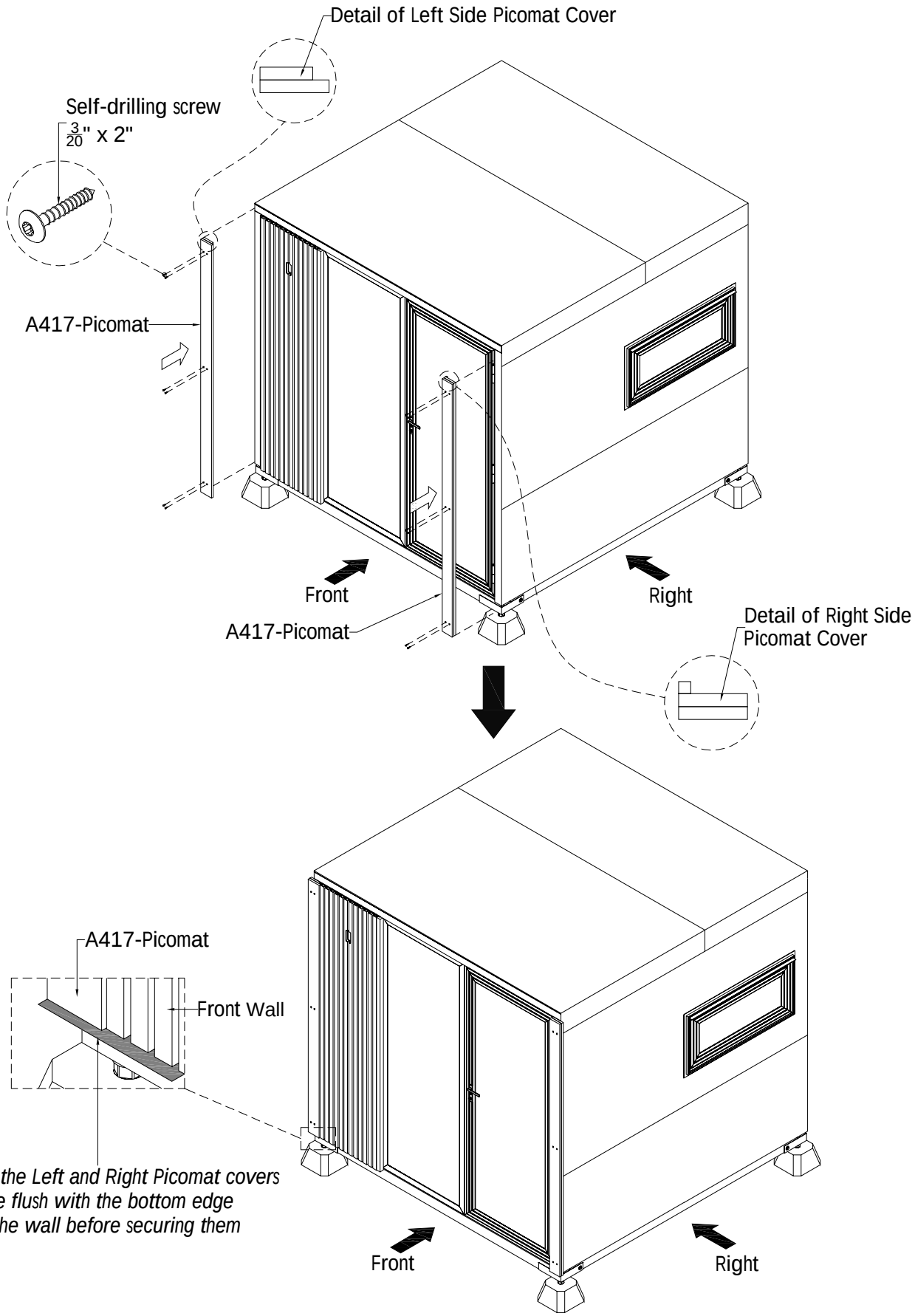


PU-ALU SIDING INSTALLATION

PU-ALU SIDING INSTALLATION

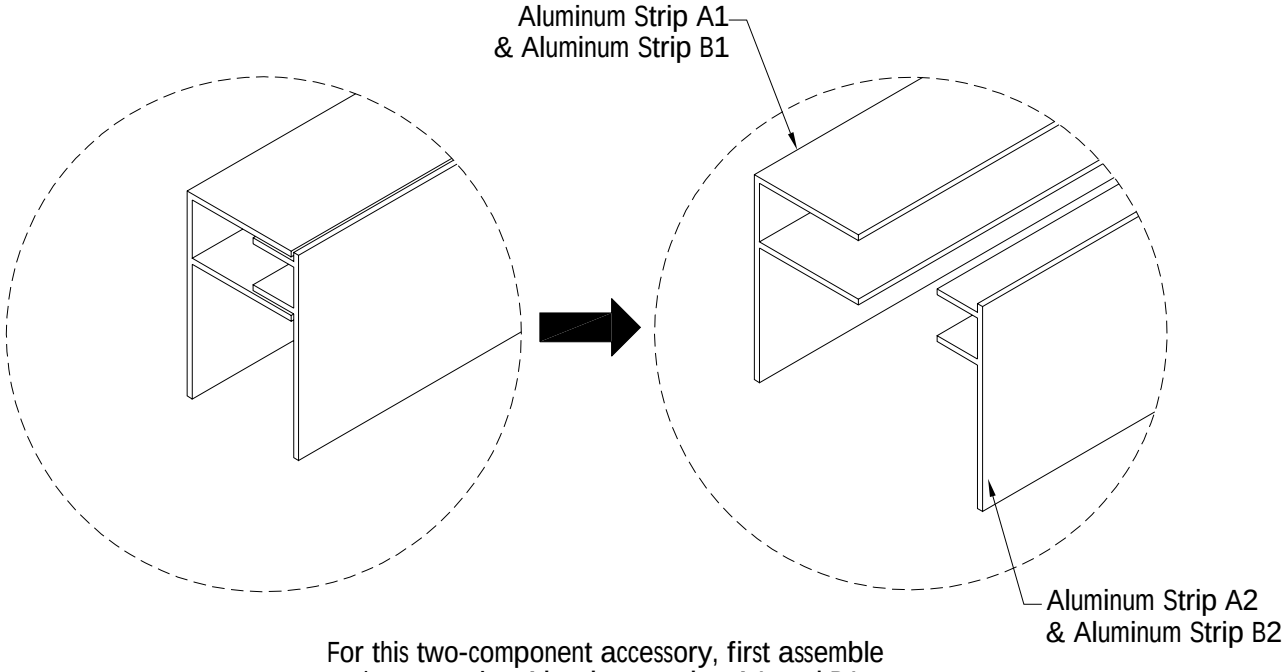
STEP 1

Position the Picomat cover and secure it in place.

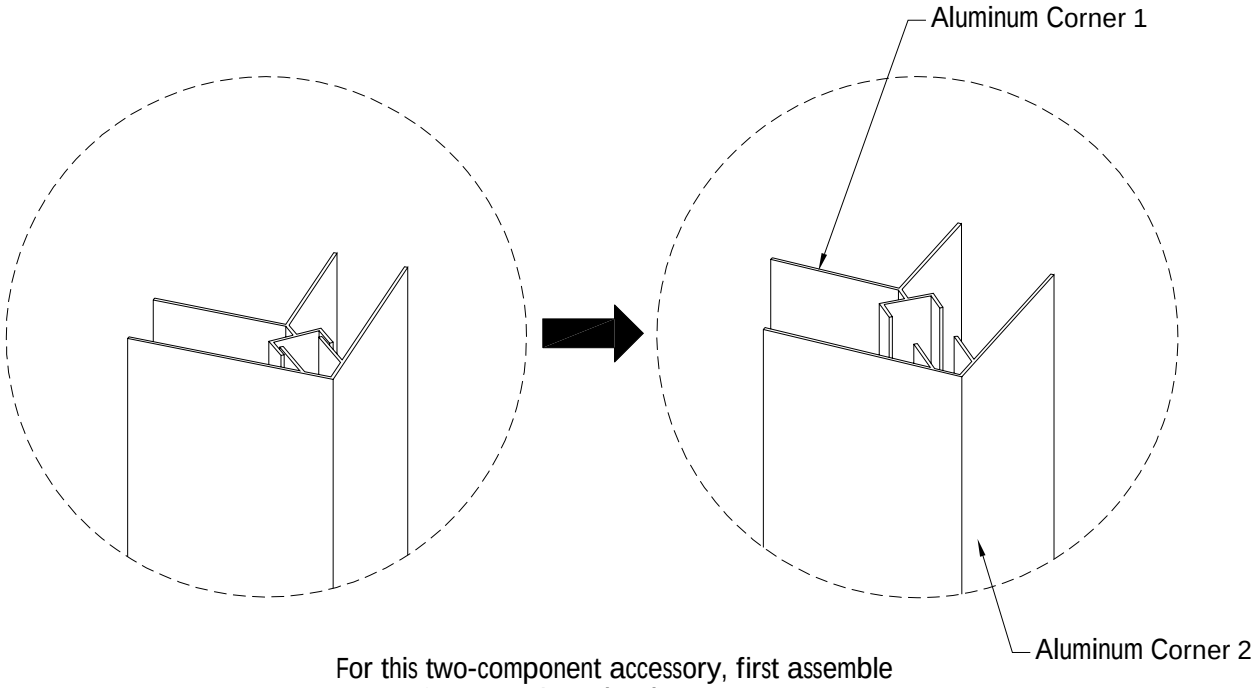


PU-ALU SIDING INSTALLATION

Note that certain accessories are two-component parts. Their individual components must be carefully separated and organized so they are easily distinguishable prior to assembly



For this two-component accessory, first assemble the part using Aluminum strips A1 and B1

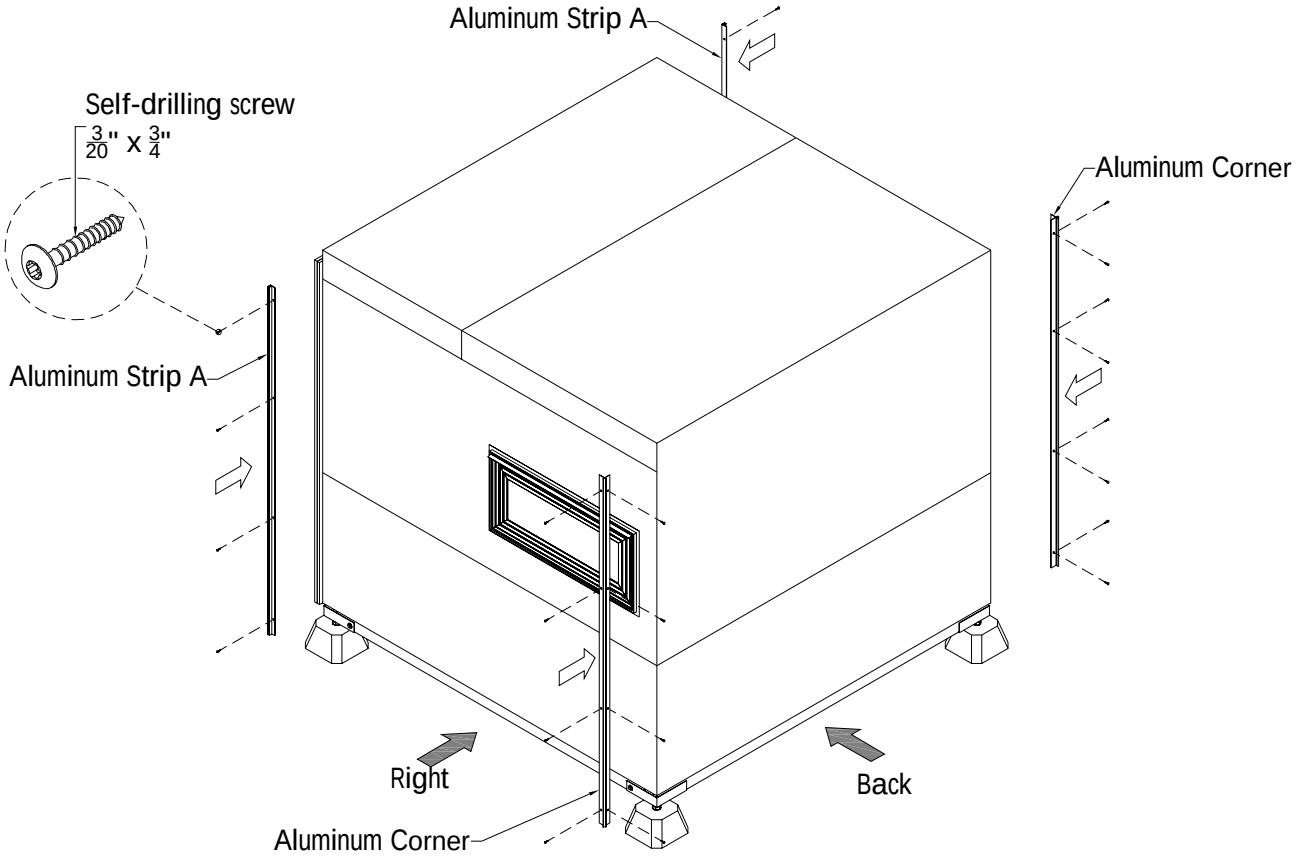


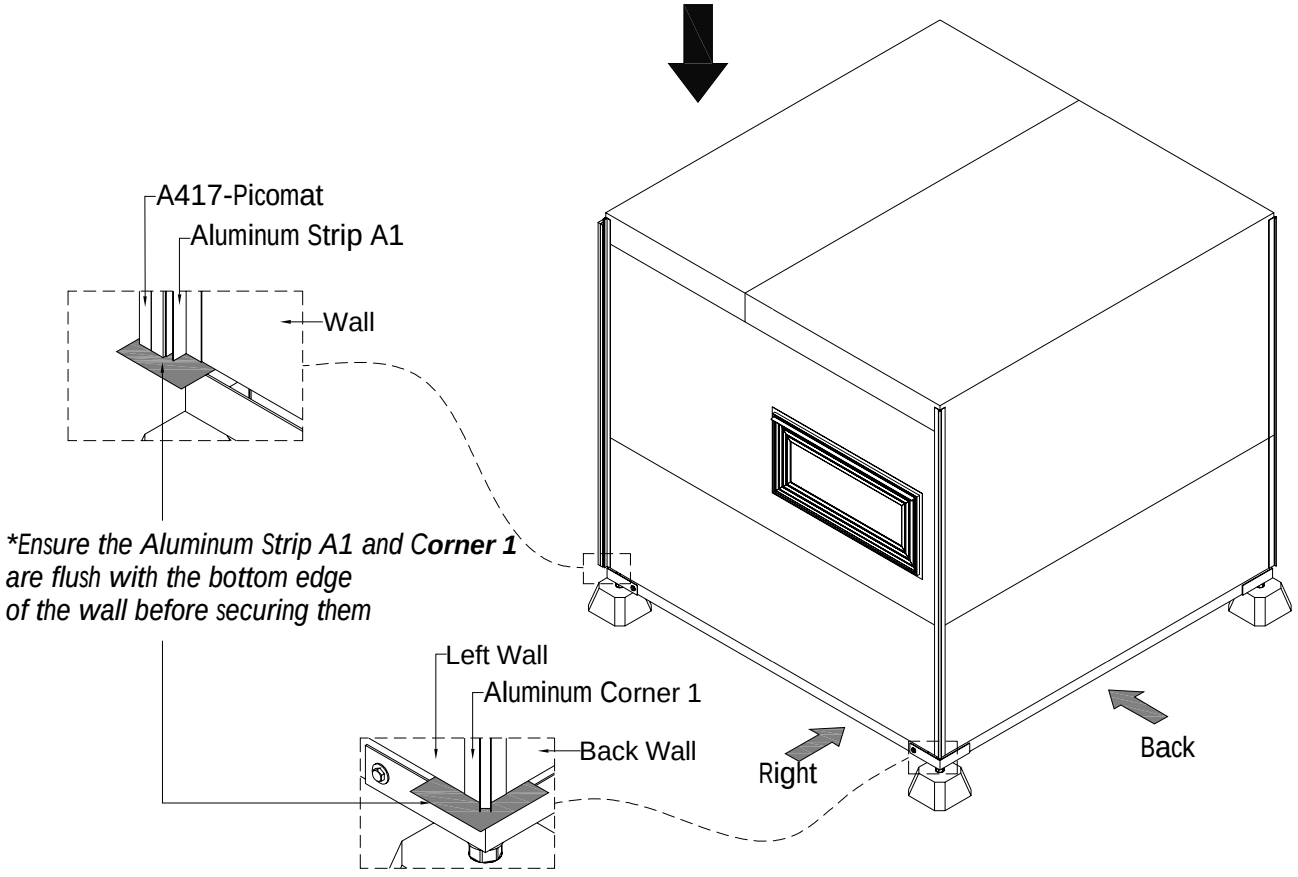
For this two-component accessory, first assemble the part using Aluminum corner 1

PU-ALU SIDING INSTALLATION

STEP 2

Position the Aluminum Strip A1 and Aluminum Corner 1. Then secure them with the self-drilling screws.

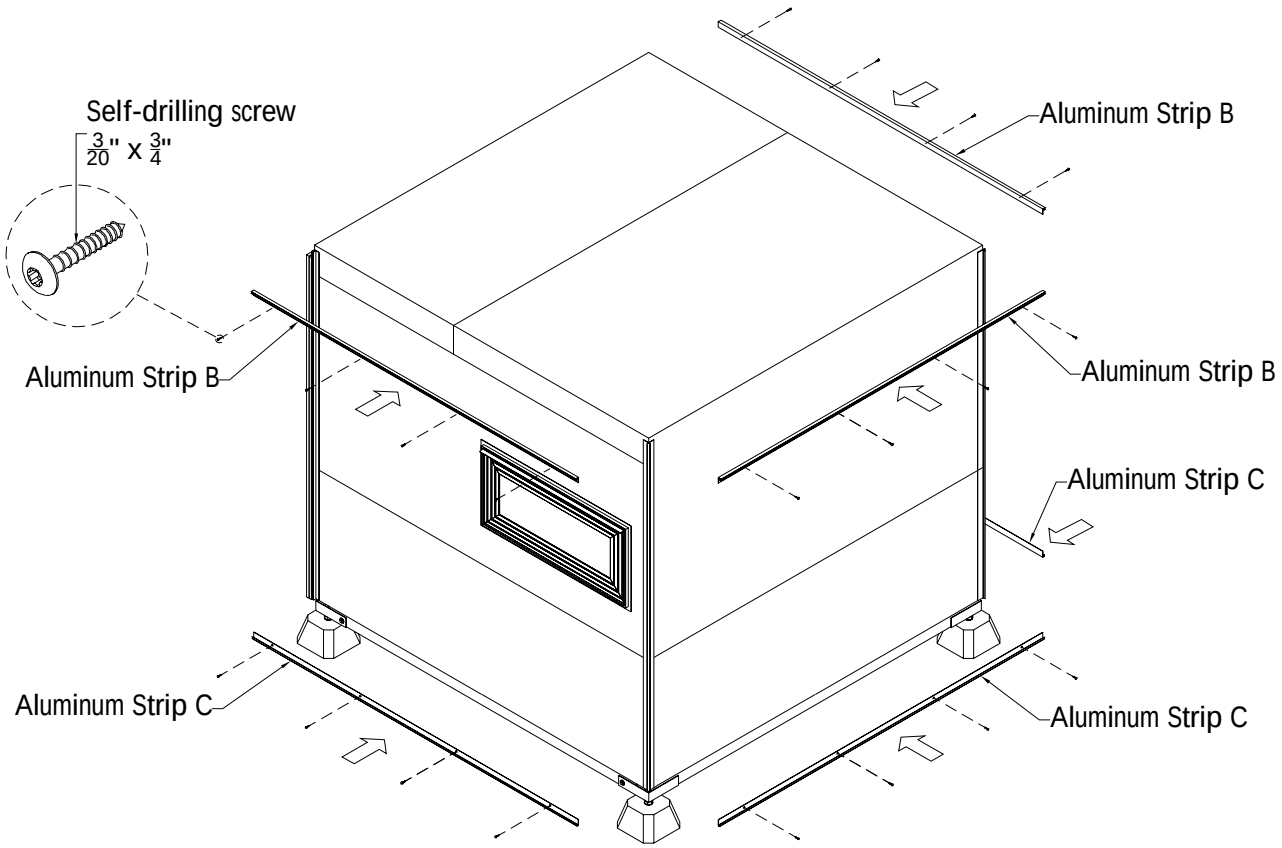


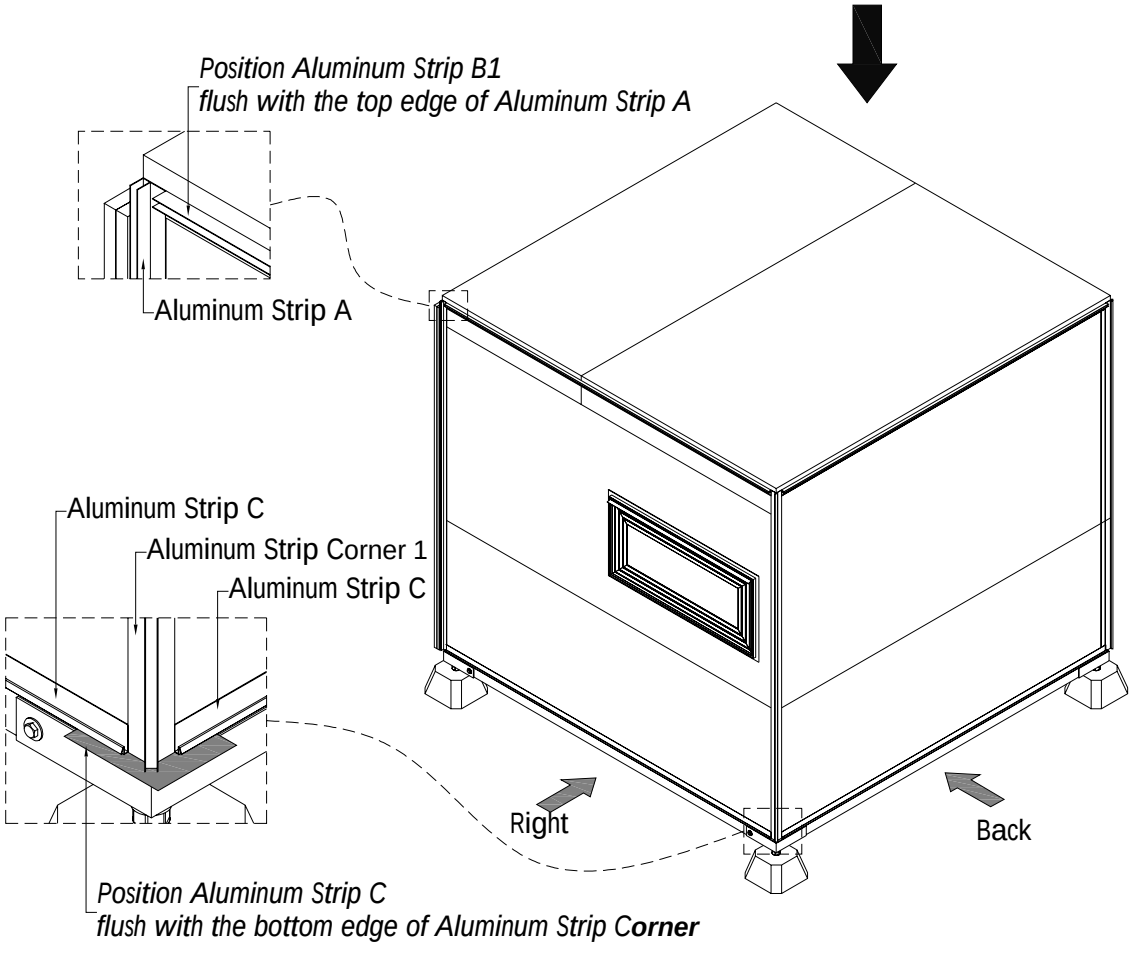


PU-ALU SIDING INSTALLATION

STEP 3

Position the Aluminum Strip B1 and Aluminum Strip C. Then secure them with the self-drilling screws.

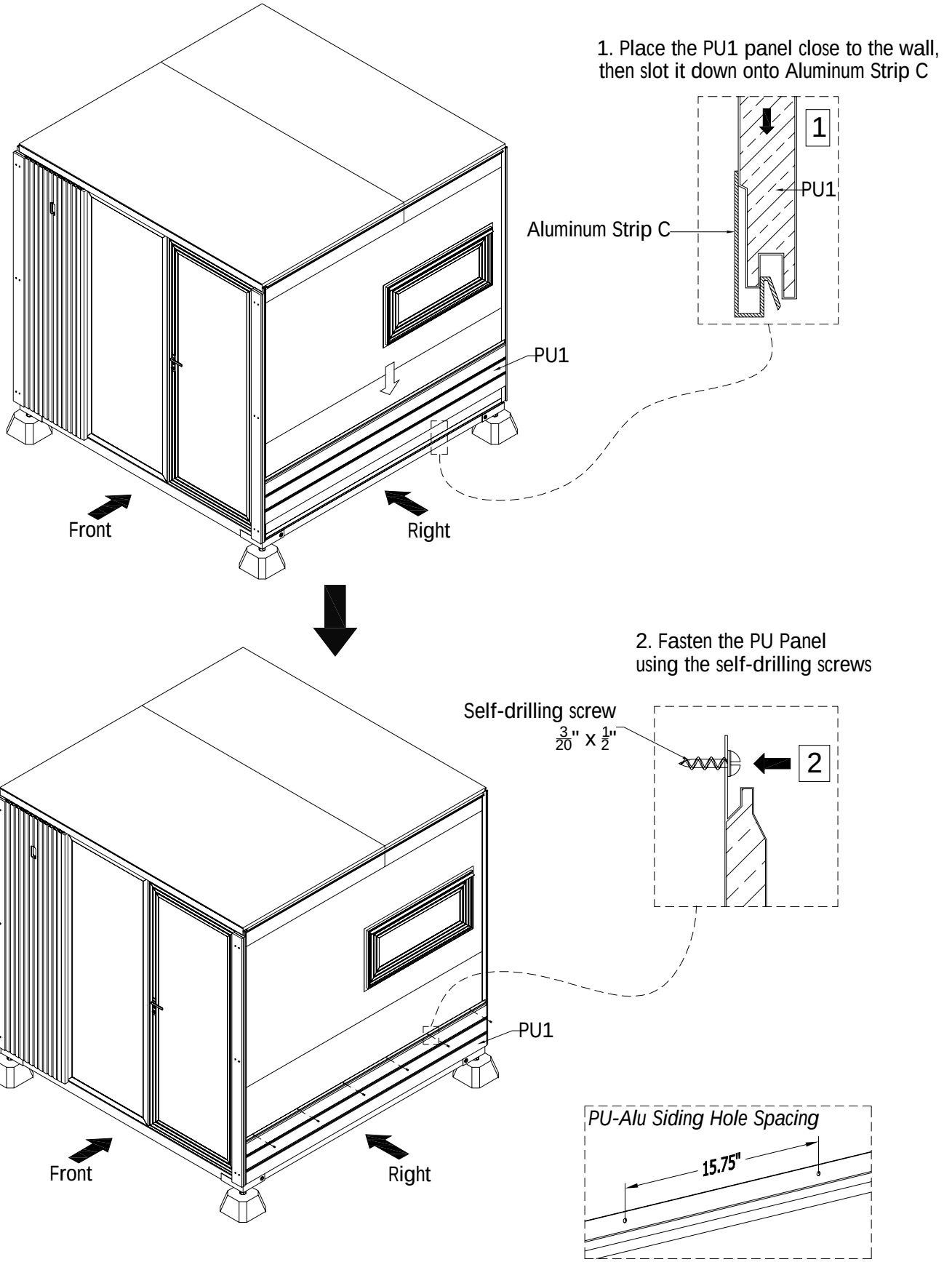




PU-ALU SIDING INSTALLATION

STEP 4

Position the PU1 panel in place and secure it with the self-drilling screws.



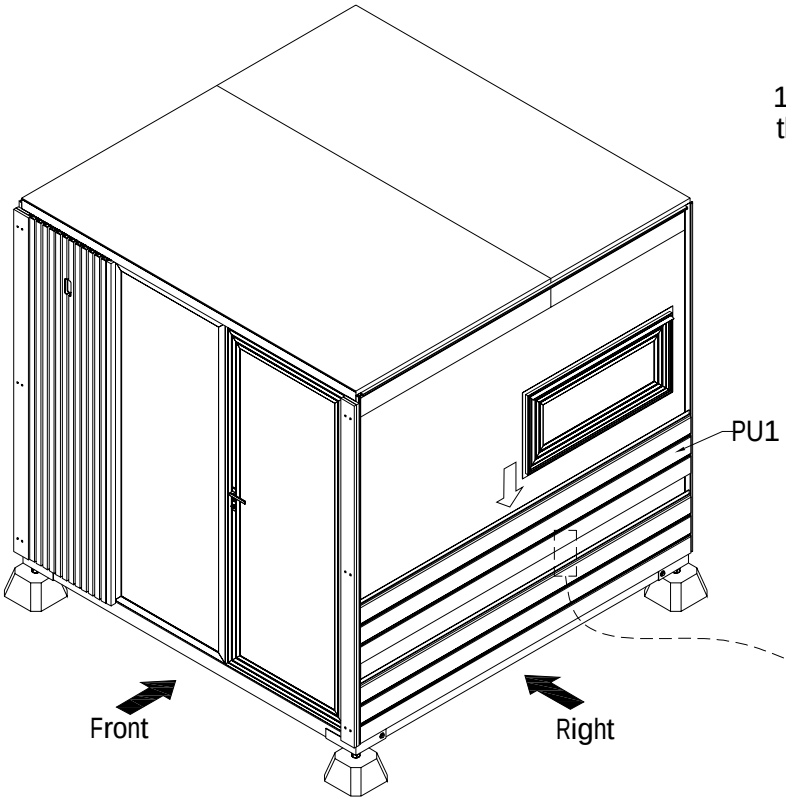
PU-ALU SIDING INSTALLATION

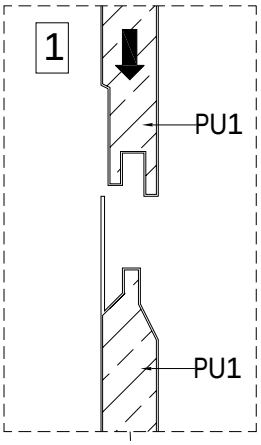
STEP 5

Position the PU1 panel in place and secure it with the self-drilling screws.

**There are two PU1 panels*

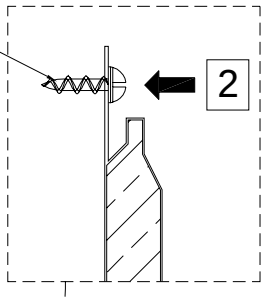
1. Position the PU1 panel close to the wall, then slot it down onto the PU1 pane

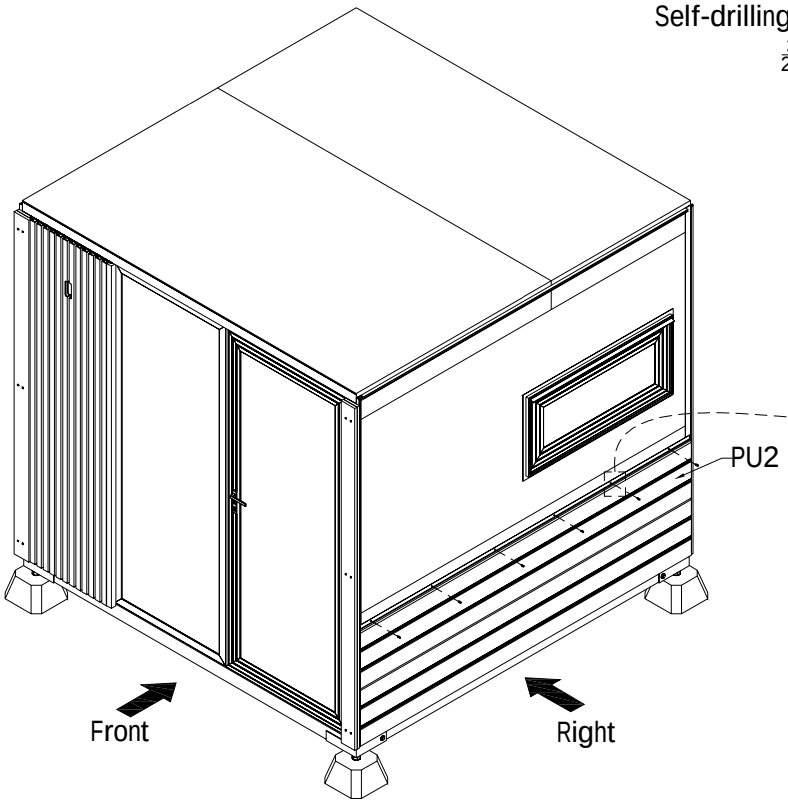


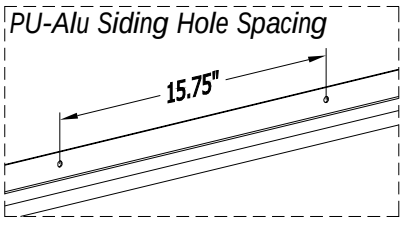


2. Fasten the PU Panel using the self-drilling screws

Self-drilling screw $\frac{3}{20}$" x $\frac{1}{2}$"



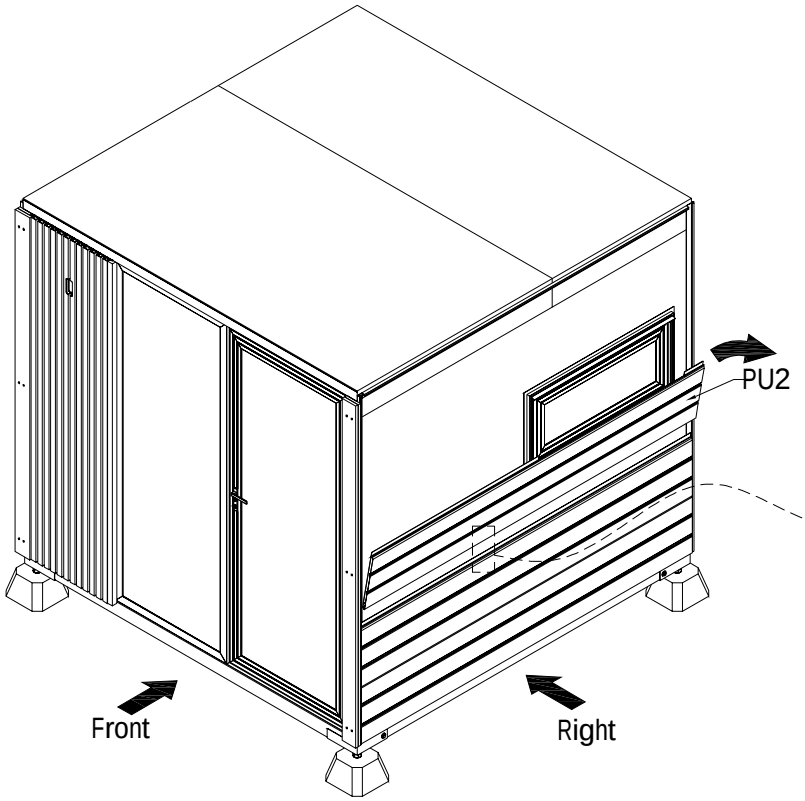




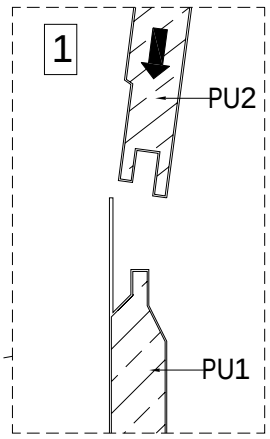
PU-ALU SIDING INSTALLATION

STEP 6

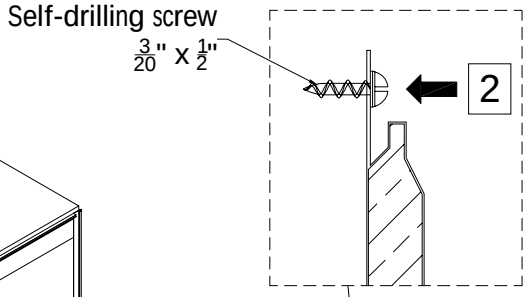
Position the PU2 panel in place and secure it with the self-drilling screws.

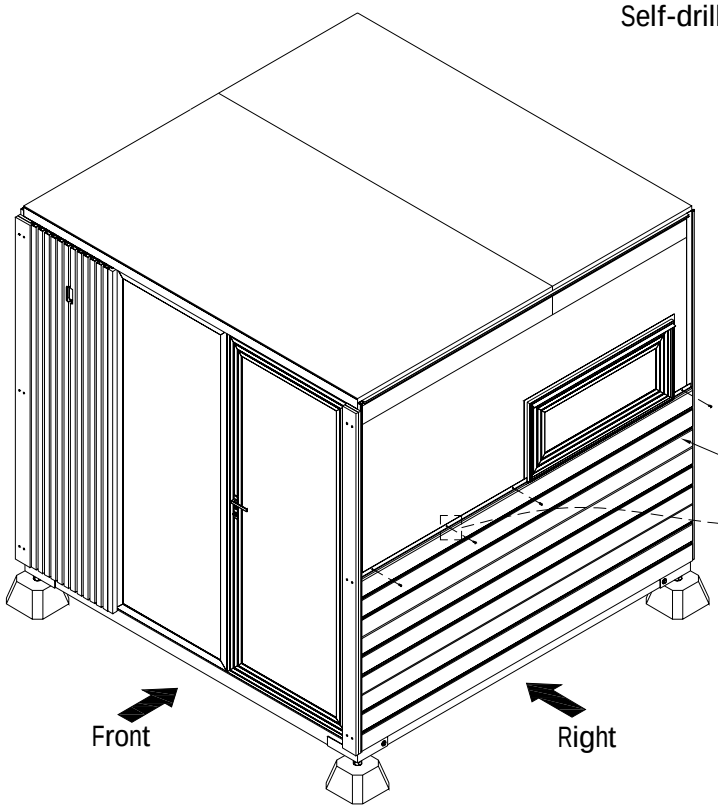


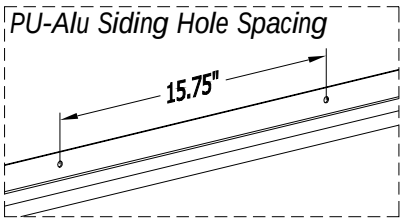
1. Tilt the PU2 panel slightly to slot it into the PU1 panel, then push it firmly against the wall



2. Fasten the PU Panel using the self-drilling screws



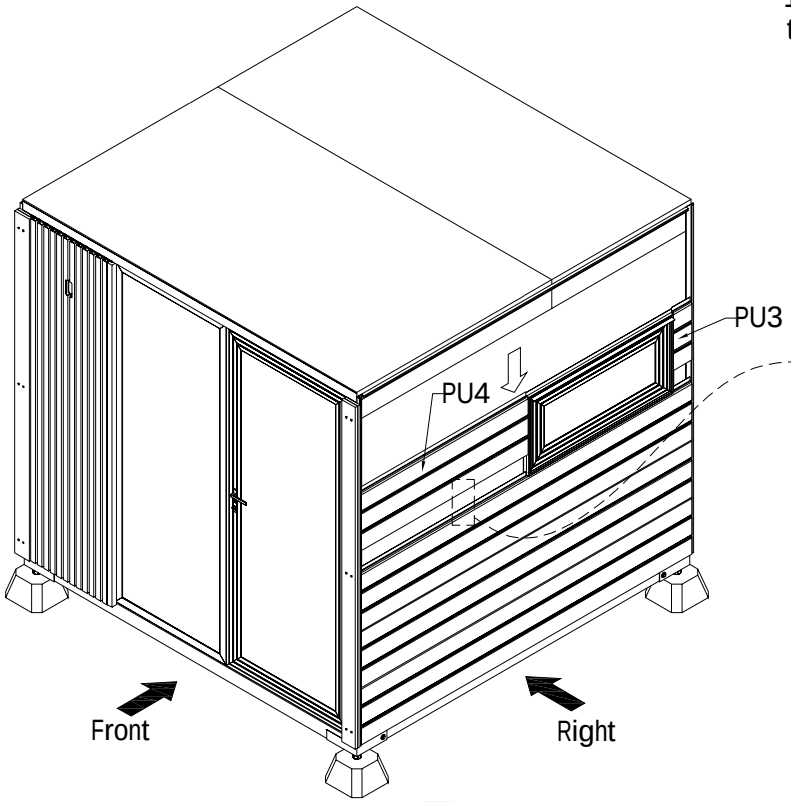




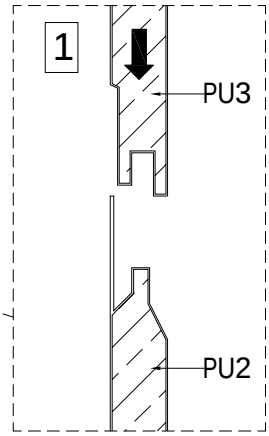
PU-ALU SIDING INSTALLATION

STEP 7

Position the PU3 panel in place and secure it with the self-drilling screws.

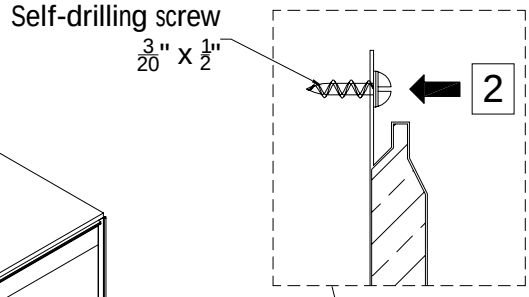


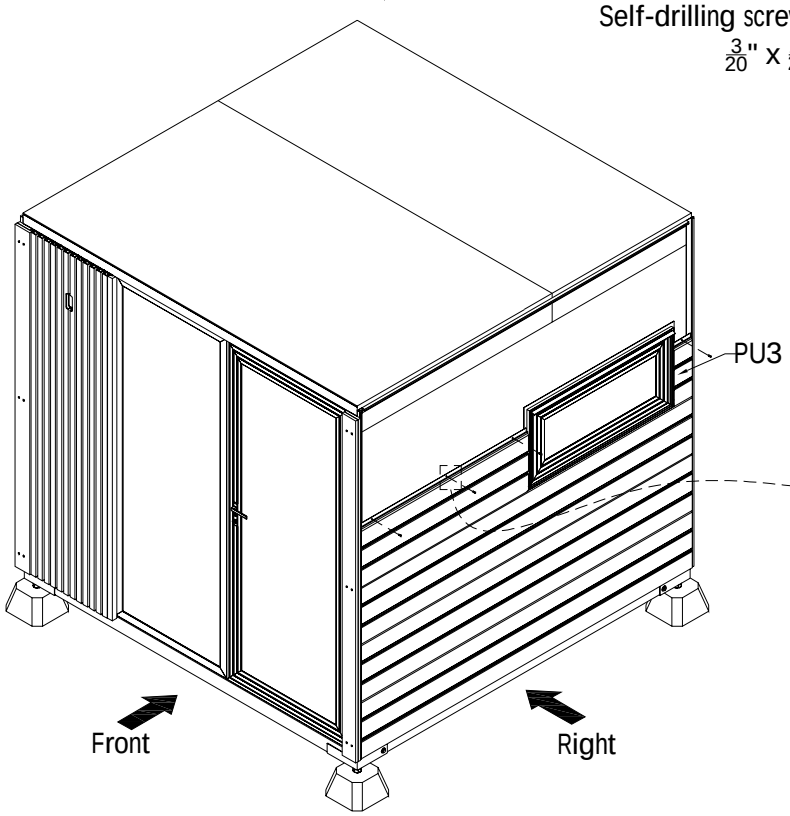
1. Position the PU3 panel close to the wall, then slot it down onto the PU2 pane

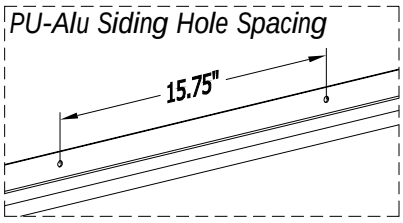


**There are two PU3 panels*

2. Fasten the PU Panel using the self-drilling screws



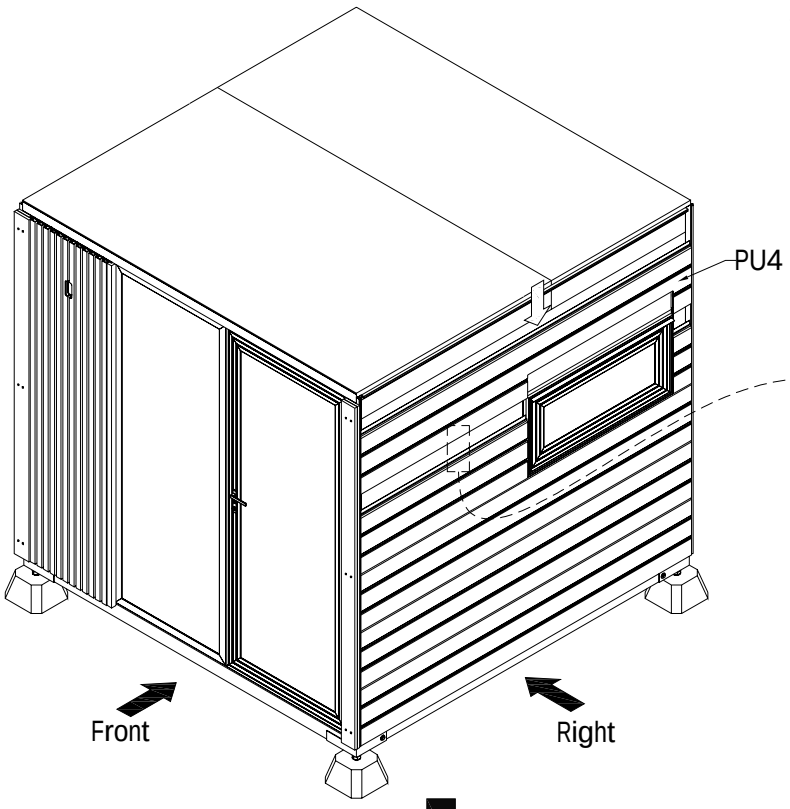




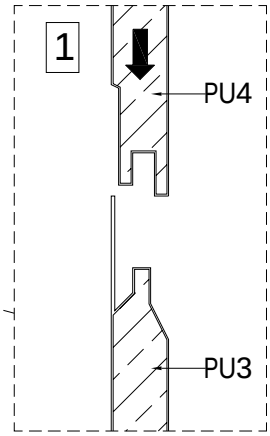
PU-ALU SIDING INSTALLATION

STEP 8

Position the PU4 panel in place and secure it with the self-drilling screws.

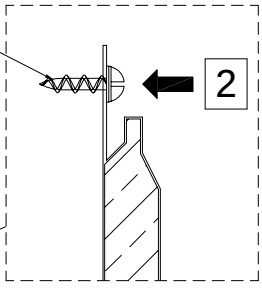


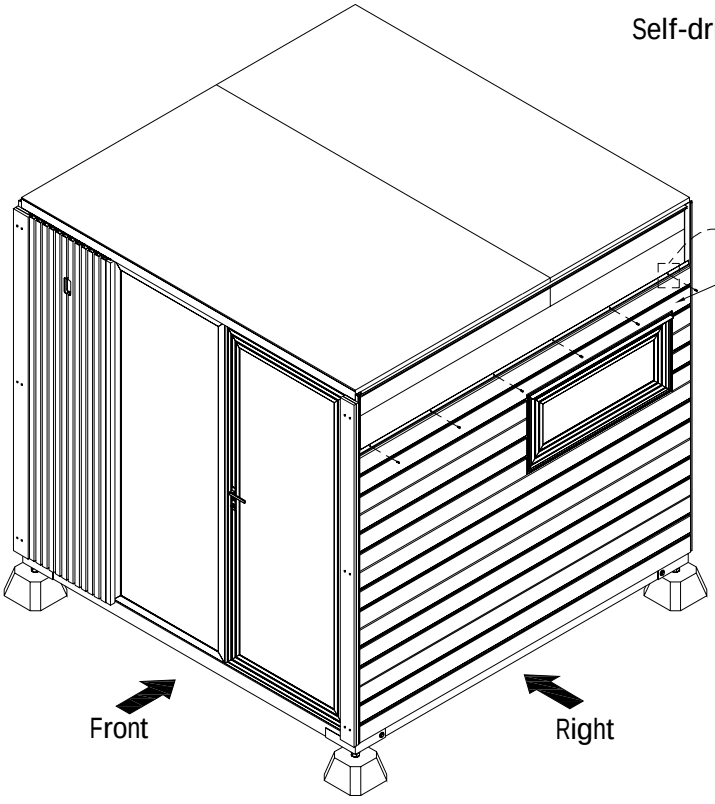
1. Position the PU4 panel close to the wall, then slot it down onto the PU3 pane

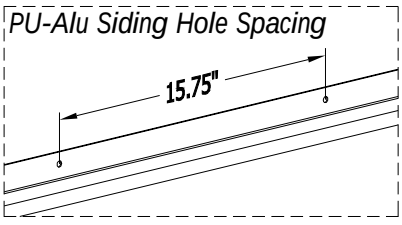


2. Fasten the PU Panel using the self-drilling screws

Self-drilling screw $\frac{3}{20}$" x $\frac{1}{2}$"



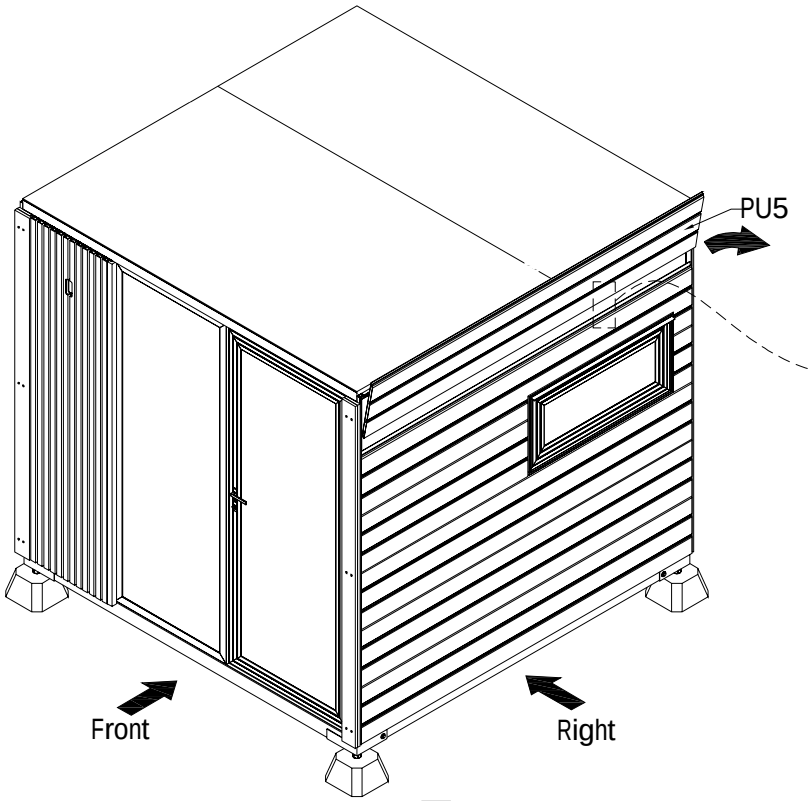




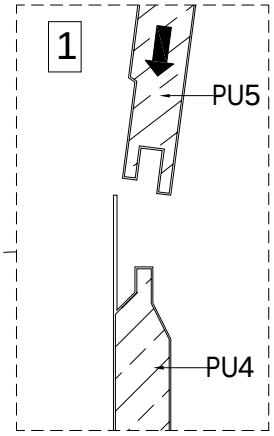
PU-ALU SIDING INSTALLATION

STEP 9

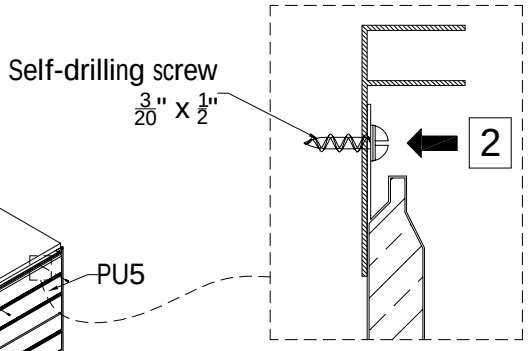
Position the PU5 panel in place and secure it with the self-drilling screws.

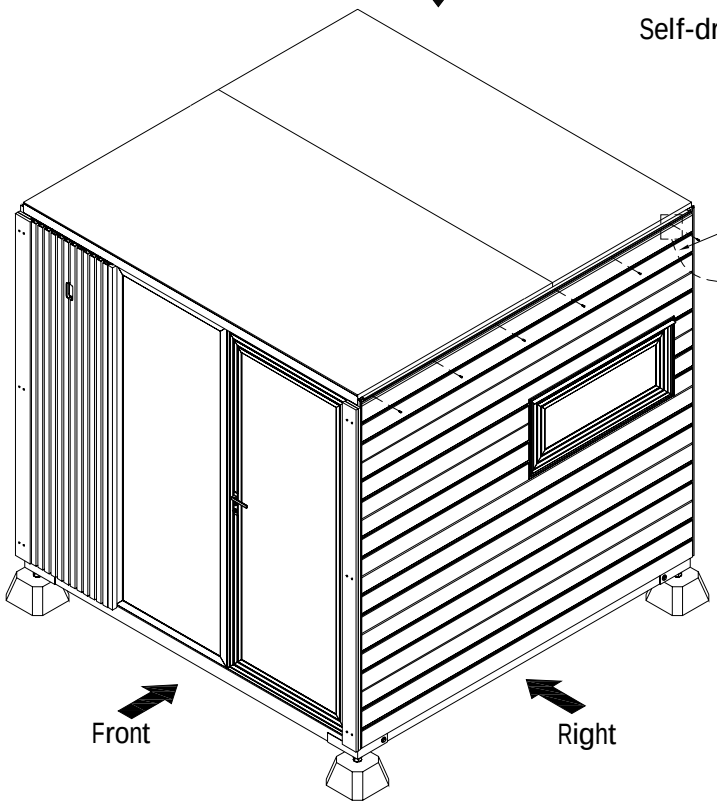


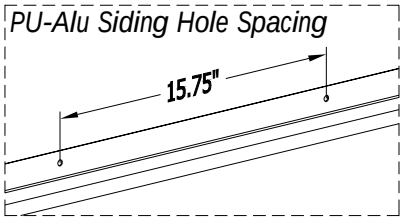
1. Tilt the PU6 panel slightly to slot it into the PU5 panel, then push it firmly against the wall



2. Fasten the PU Panel using the self-drilling screws



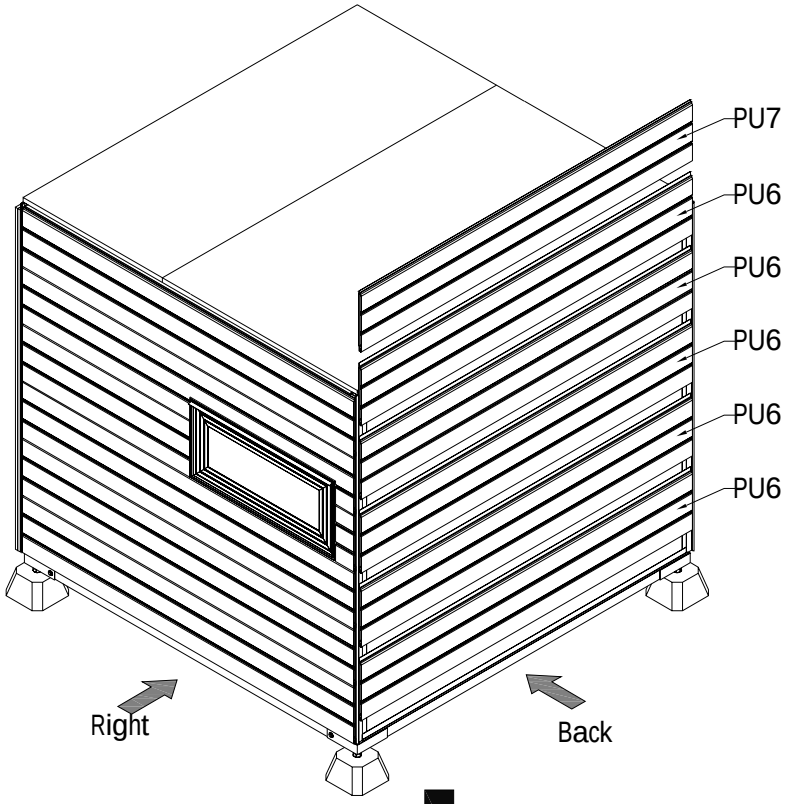




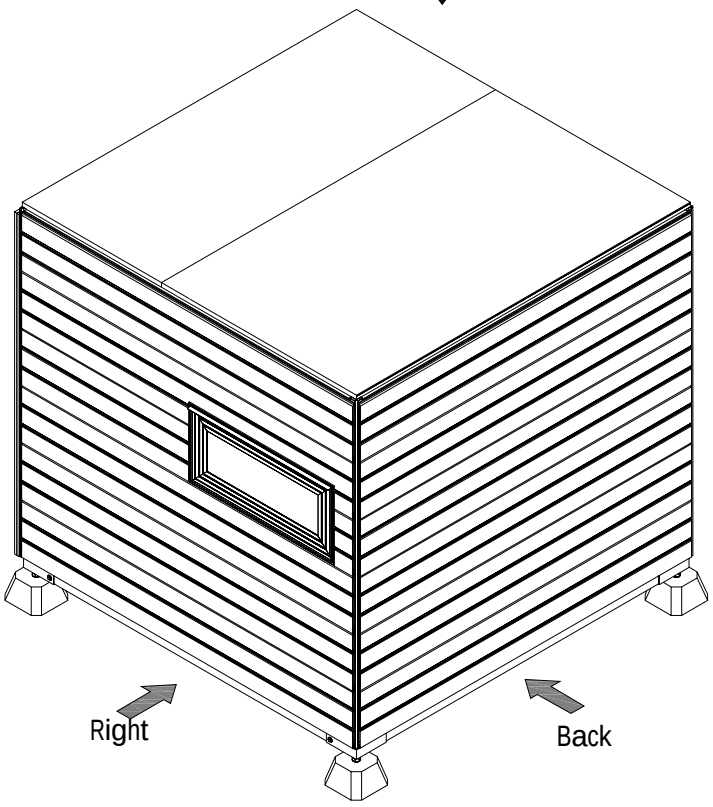
PU-ALU SIDING INSTALLATION

STEP 10

Continue the installation process by installing the PU panels on the Back Wall, following the same procedure as the Right Wall



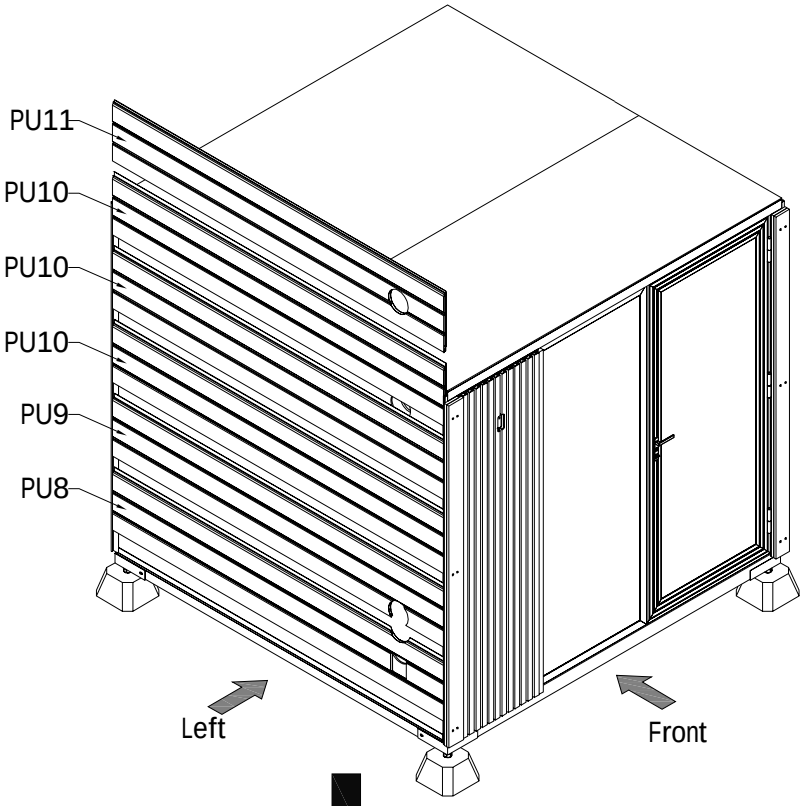
**There are five PU6 panels*



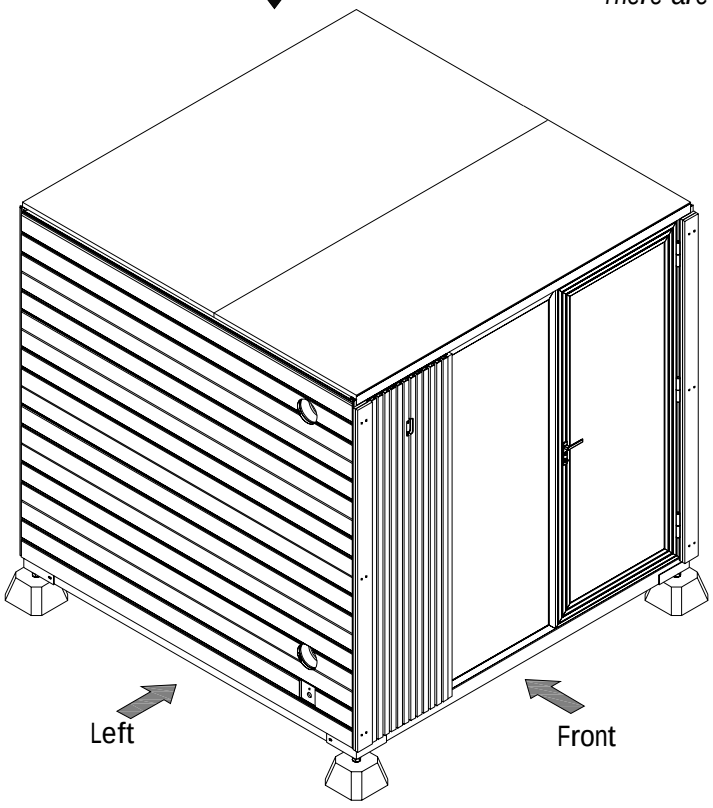
PU-ALU SIDING INSTALLATION

STEP 11

Continue the installation process by installing the PU panels on the Left Wall, following the same procedure as the Right Wall



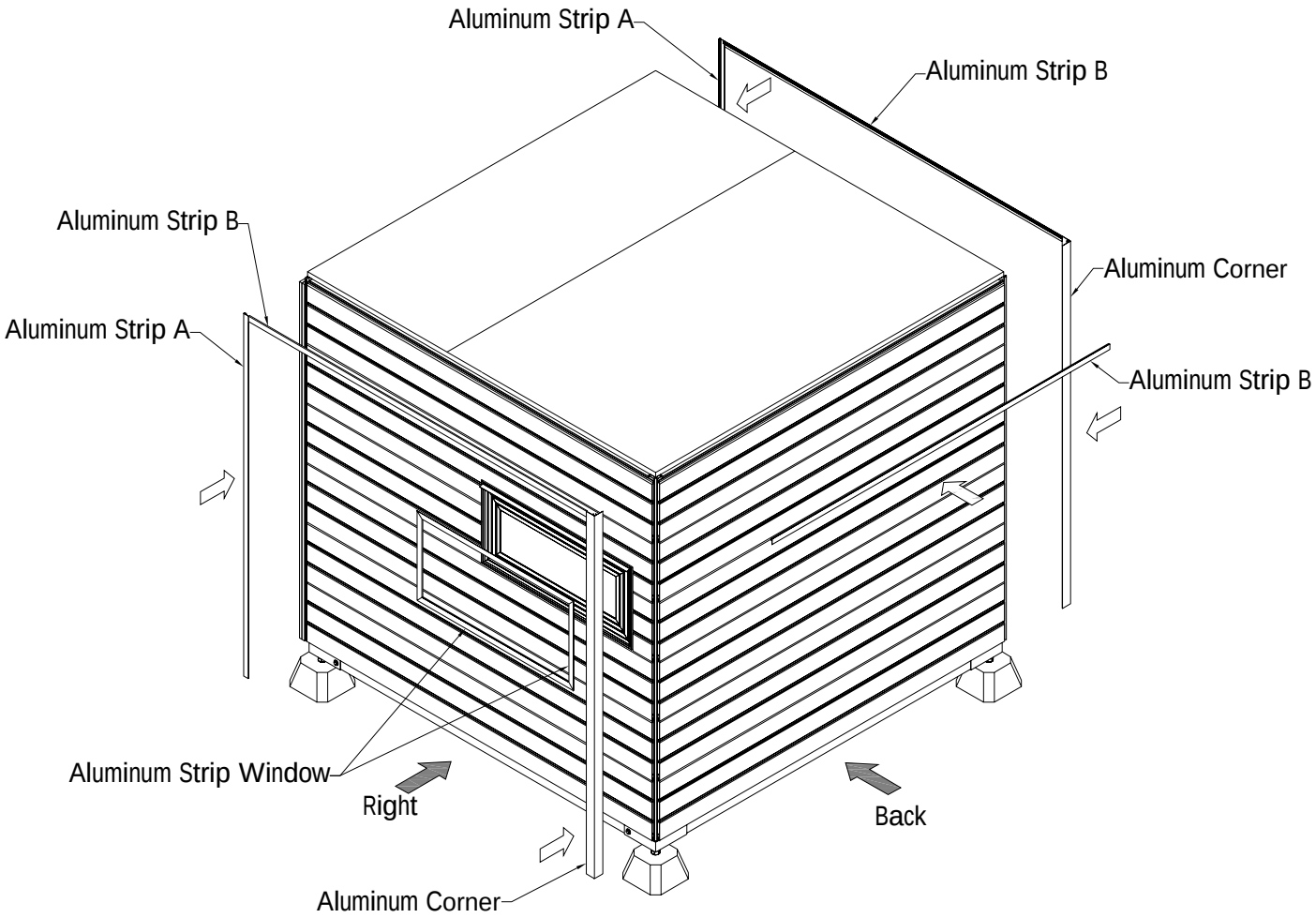
**There are three PU10 panels*

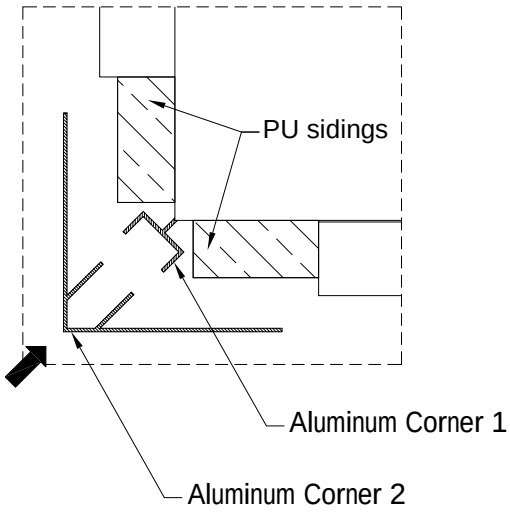


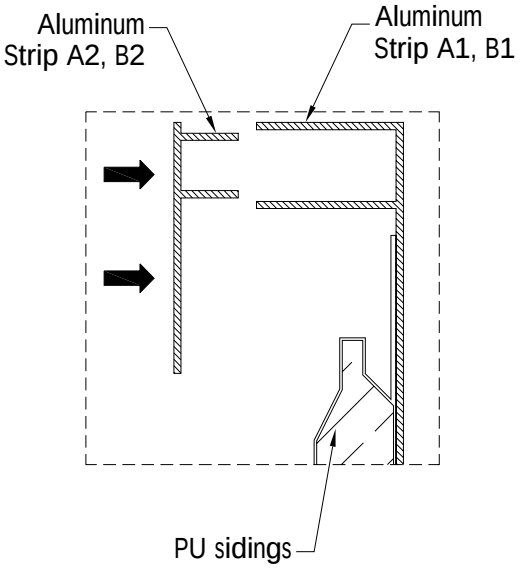
PU-ALU SIDING INSTALLATION

STEP 12

Finally, install the caps (Aluminum Strip A2, B2, and Corner 2) by pushing them firmly into place, referencing the illustration below.





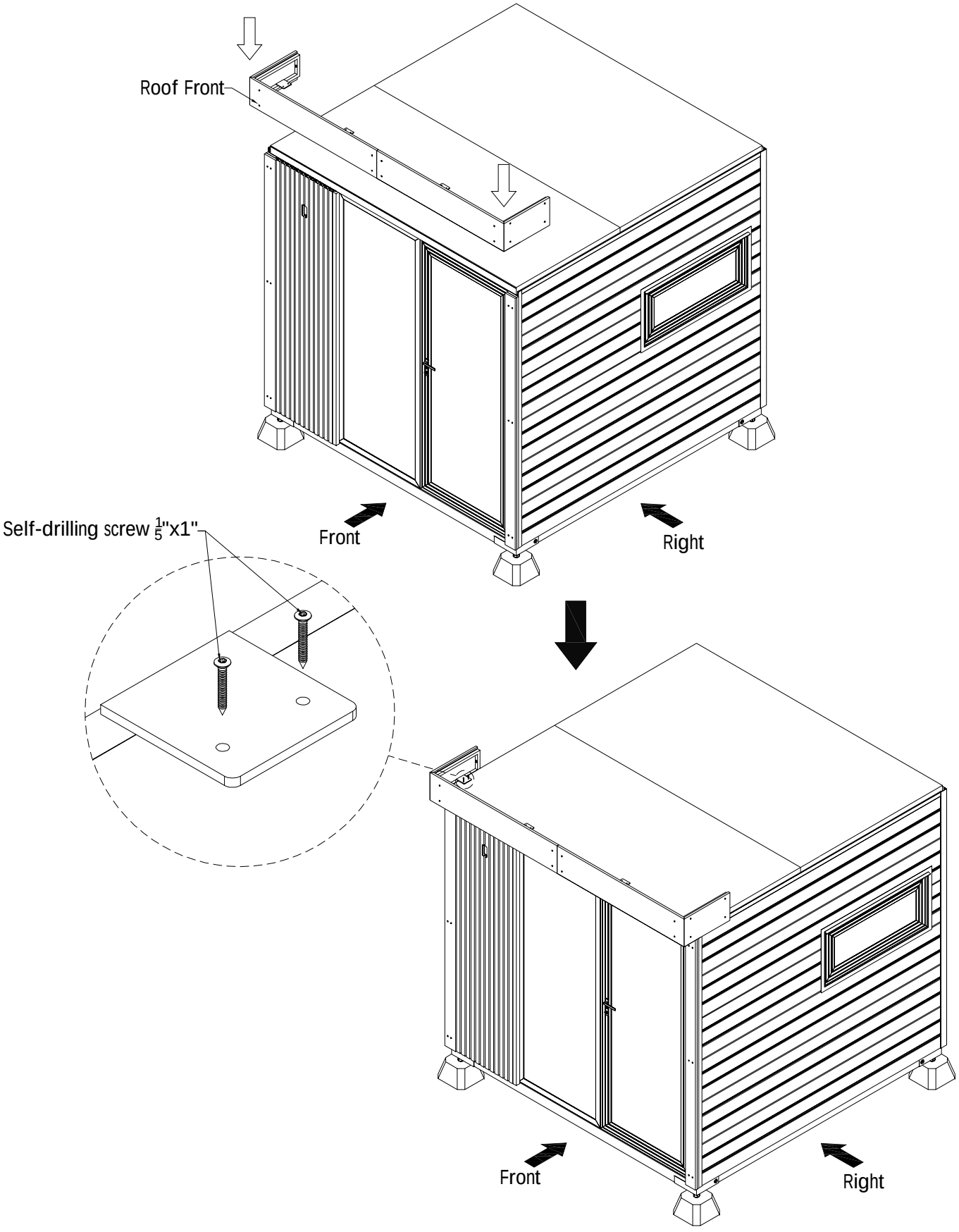


ROOF INSTALLATION

ROOF ASSEMBLY

STEP 1

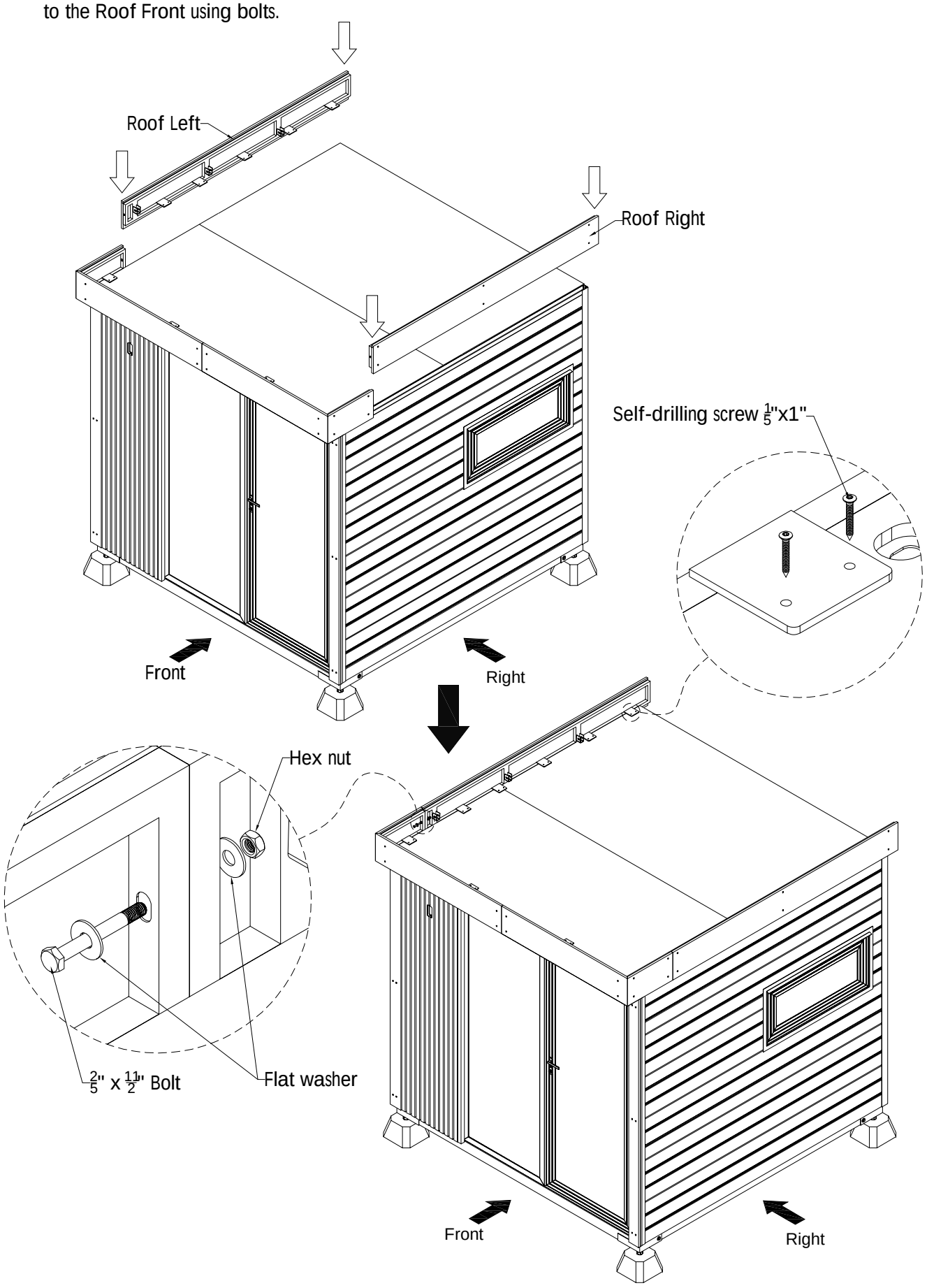
Install the Roof Front and secure it with the self-drilling screws.



ROOF ASSEMBLY

STEP 2

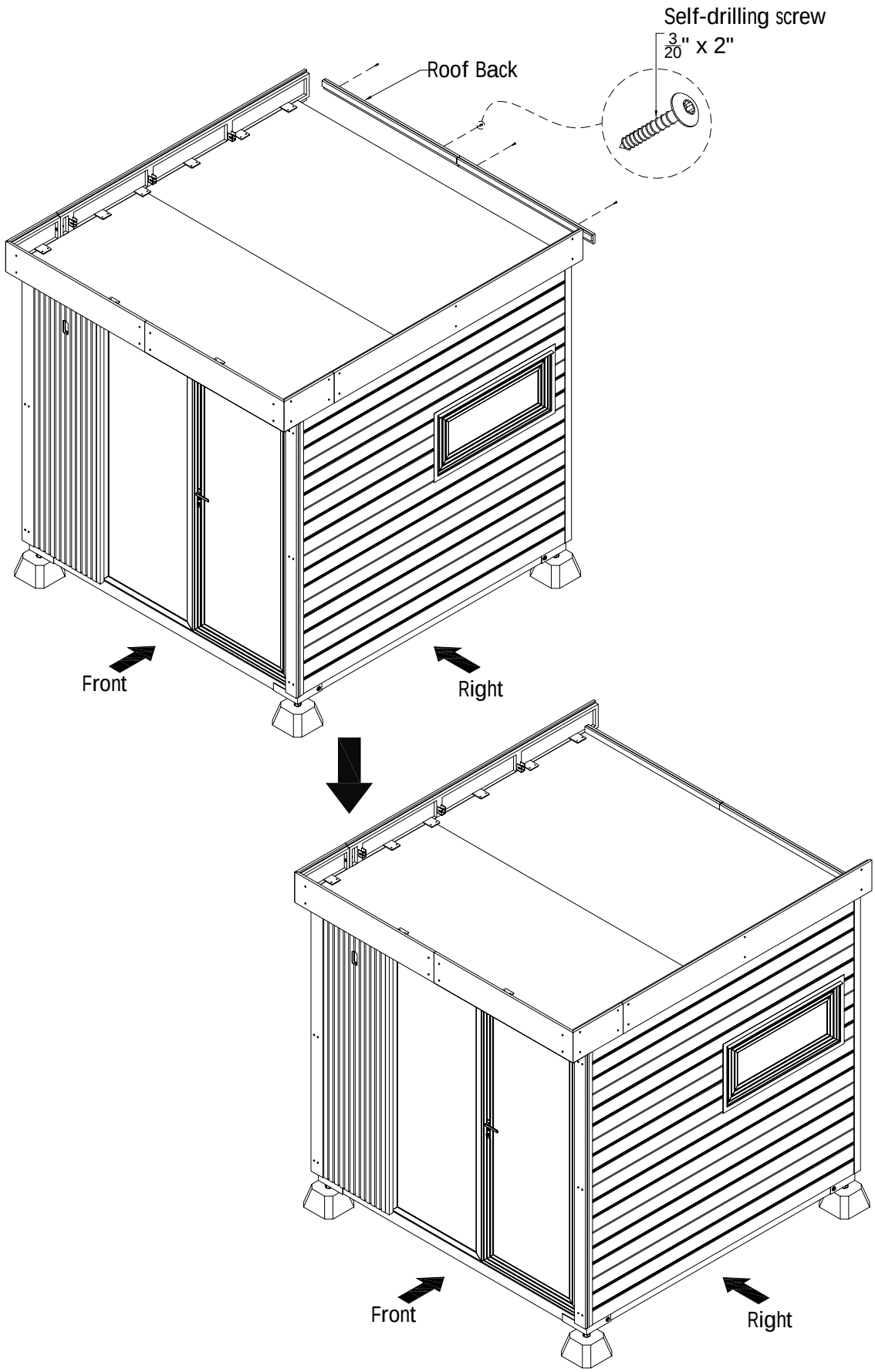
Install the Left and Right Roof, secure them with the self-drilling screws. Next, connect the Left and Right Roof to the Roof Front using bolts.



ROOF ASSEMBLY

STEP 3

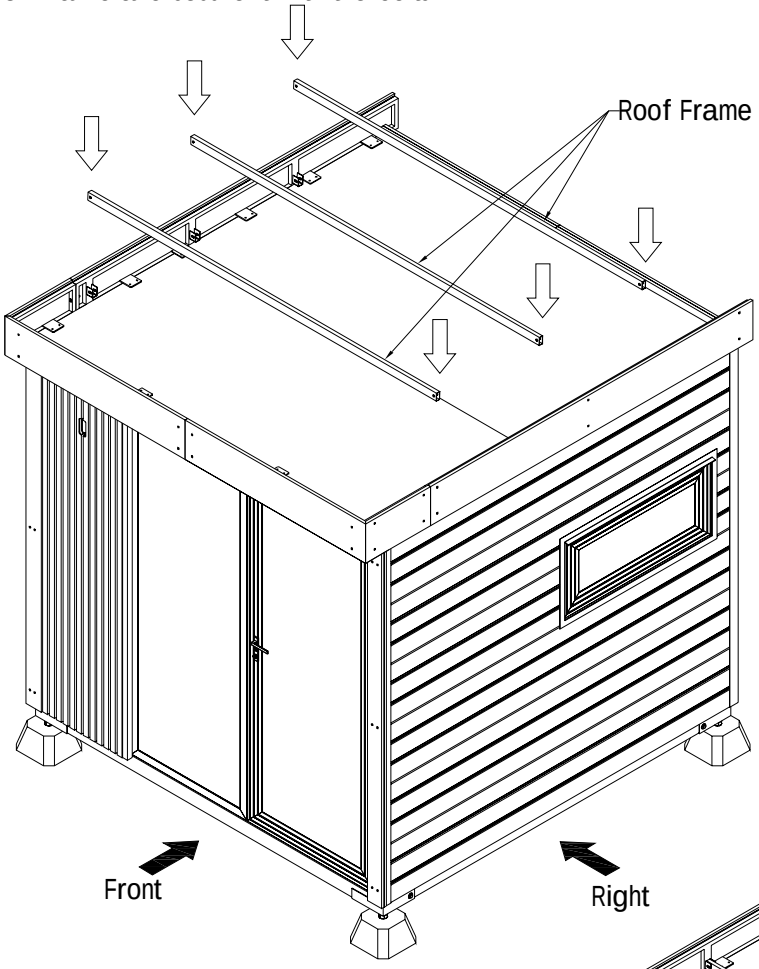
Position the Roof Back and them with the self-drilling screws.

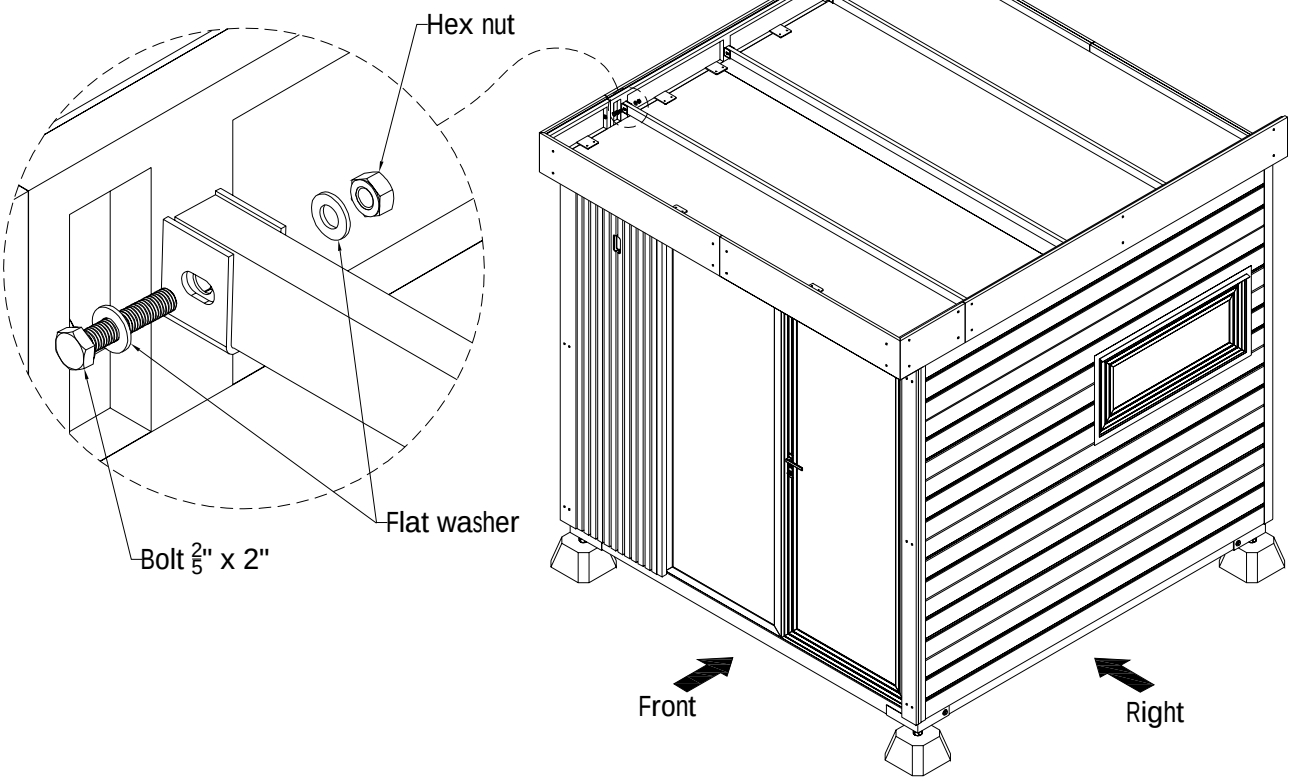


ROOF ASSEMBLY

STEP 4

Install Roof Frame and secure it with the bolts.



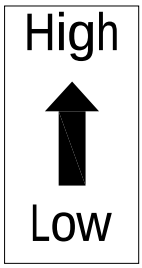


ROOF ASSEMBLY

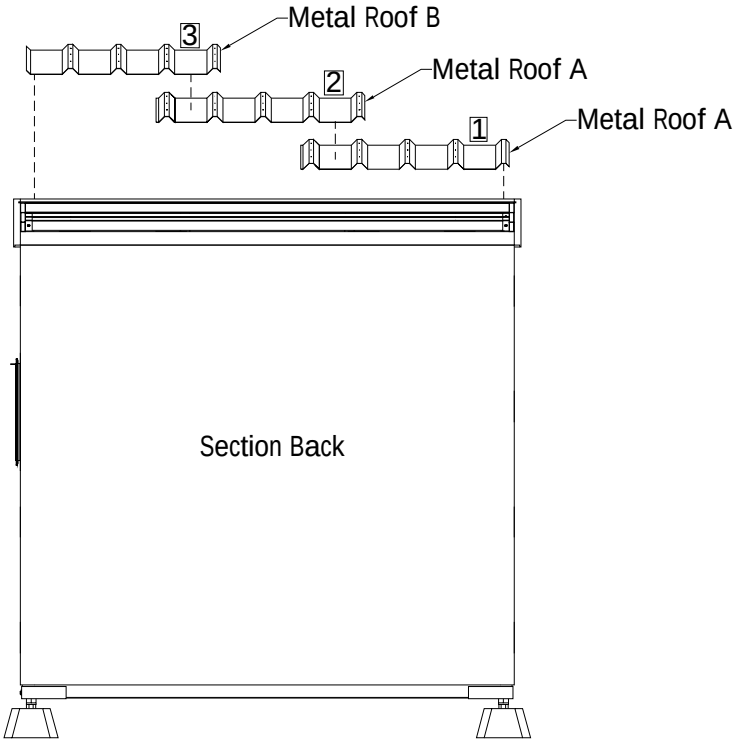
STEP 5

Install the Metal Roof following the numbered sequence. Use self-drilling screws to fasten the Metal Roof to the Roof Frame at the labeled locations.

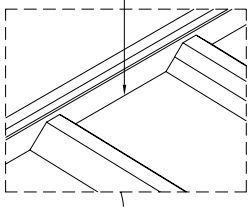
SAFETY NOTE: Before stepping onto the roof to fasten the screws, identify the location of the Roof Frame to avoid roof collapse and falls.

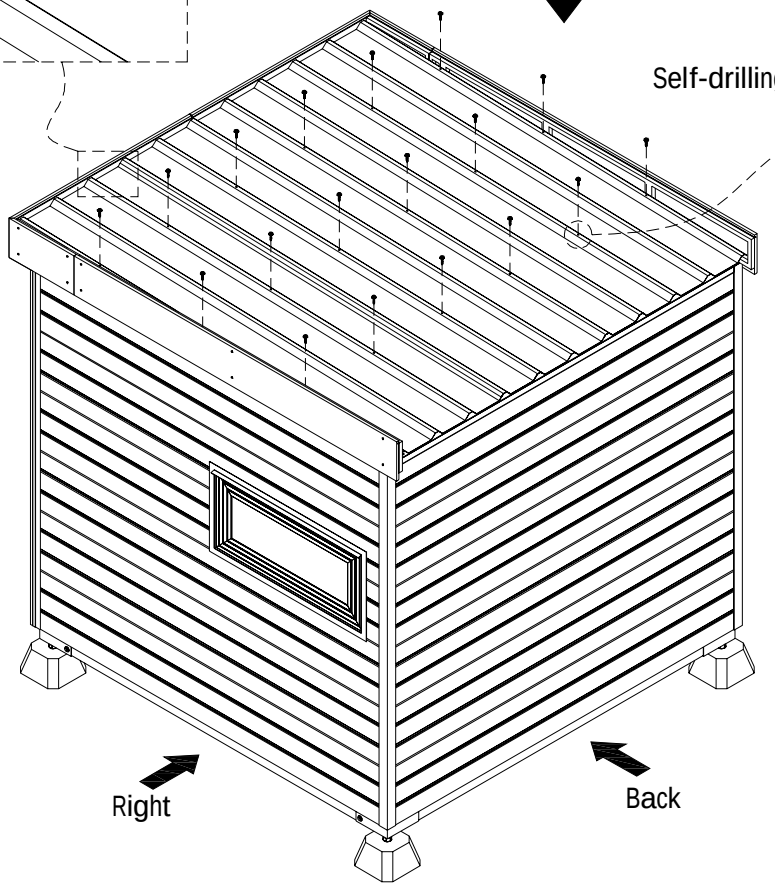


Assemble the roof components following the arrow direction indicated on the labels. "High" refers to the highest area of the roof. "Low" refers to the lowest area of the roof.

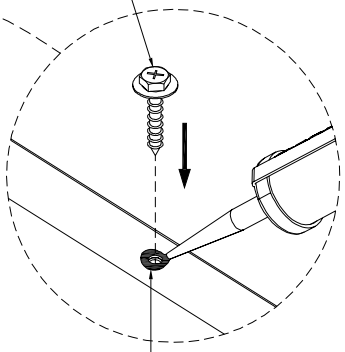


Push the Metal Roof flush against the Picomat panel





Self-drilling screw $\frac{1}{5}$" x $\frac{12}{5}$"

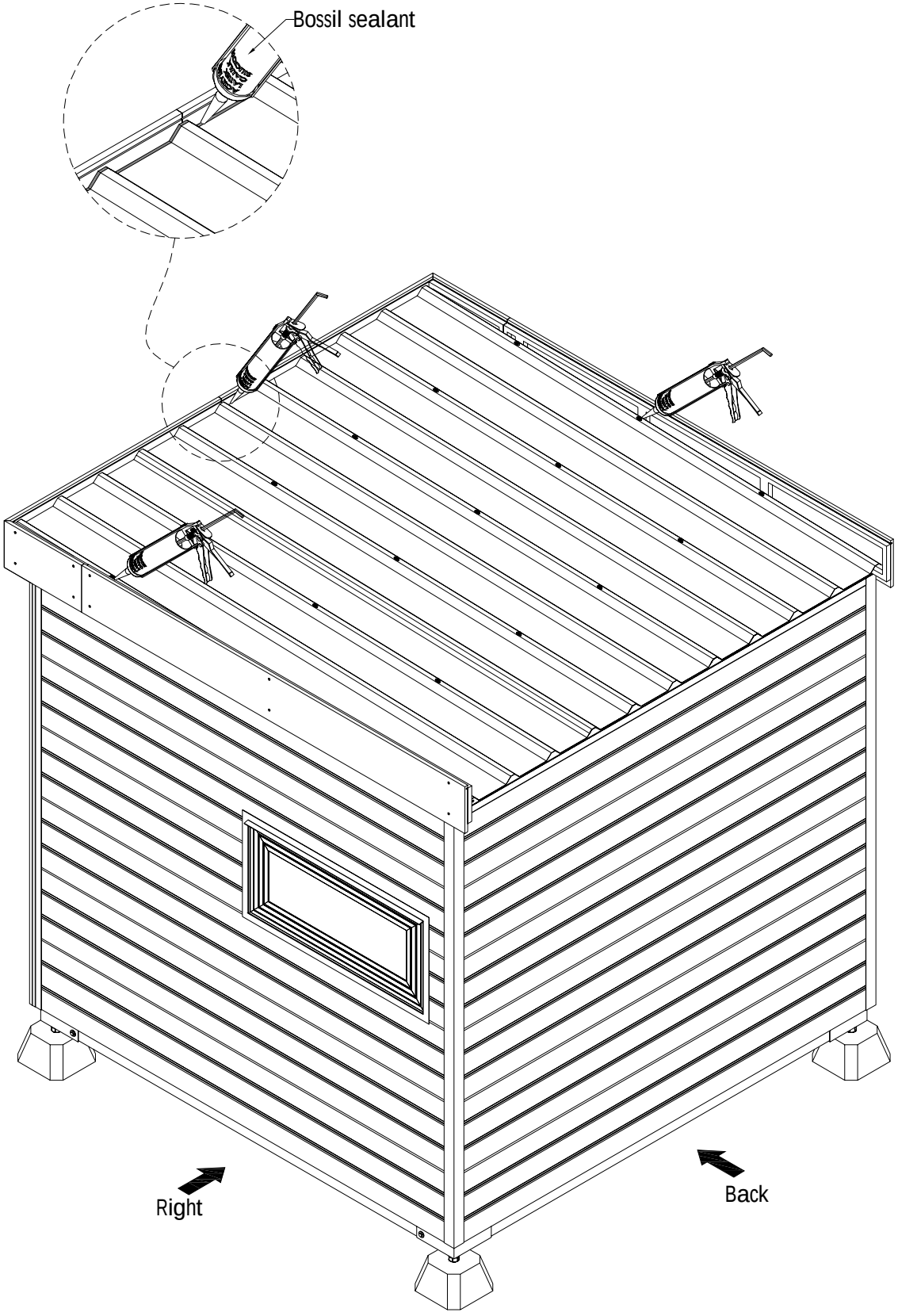


Note: Apply silicone sealant prior to screwing to prevent water penetration

ROOF ASSEMBLY

STEP 6

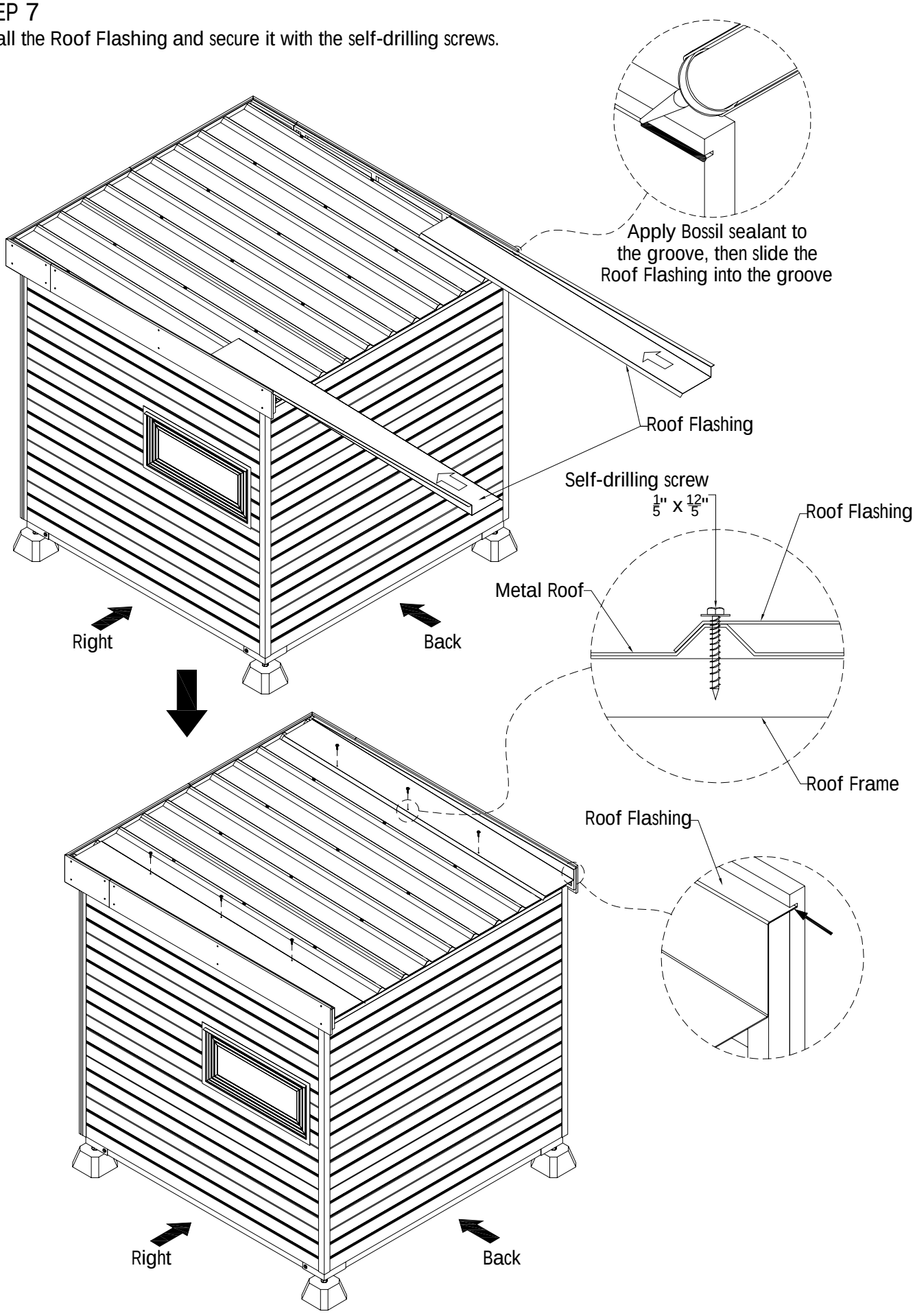
Apply Bossil sealant to all seams between the Metal Roof and adjacent Roof components.



ROOF ASSEMBLY

STEP 7

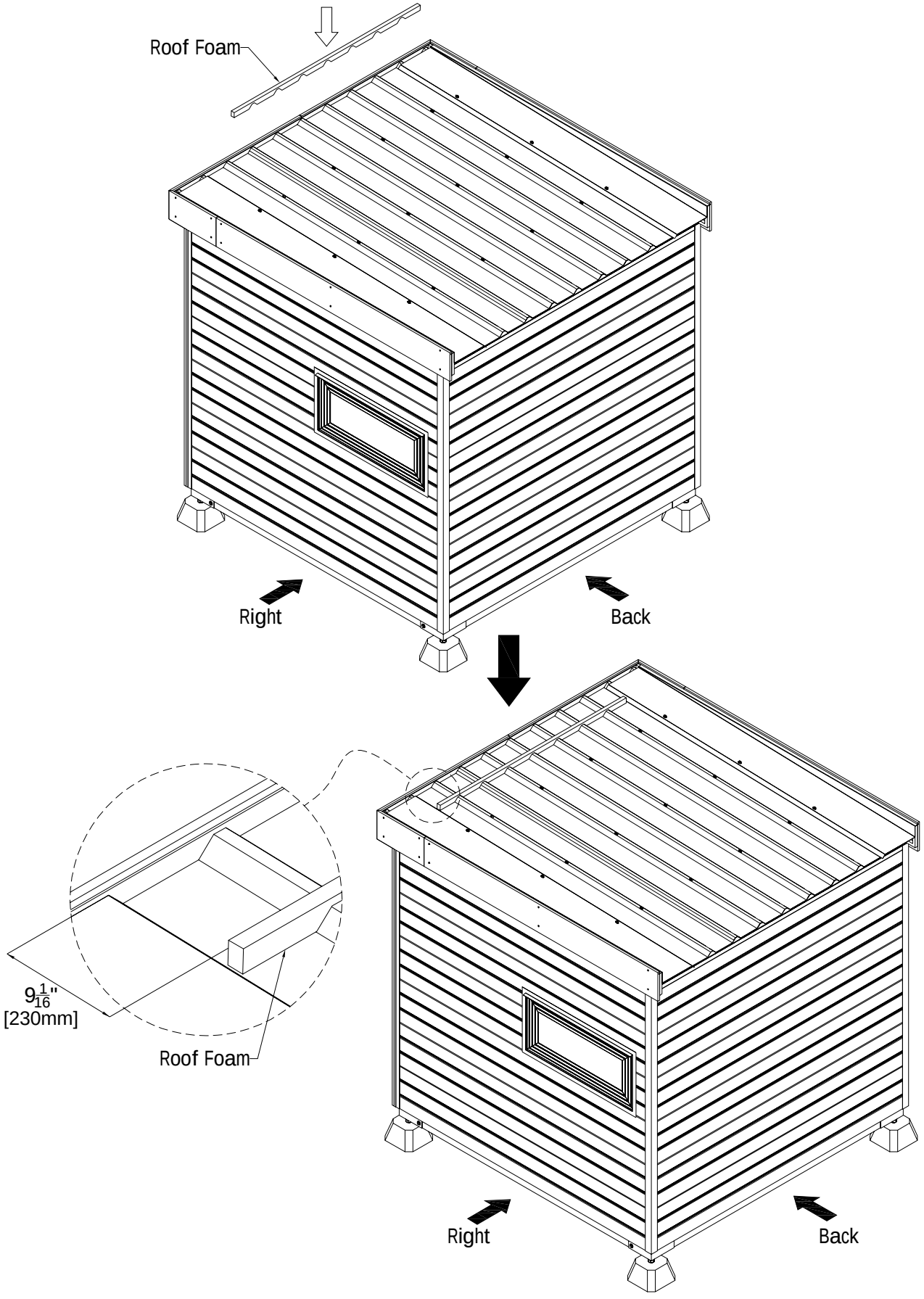
Install the Roof Flashing and secure it with the self-drilling screws.



ROOF ASSEMBLY

STEP 8

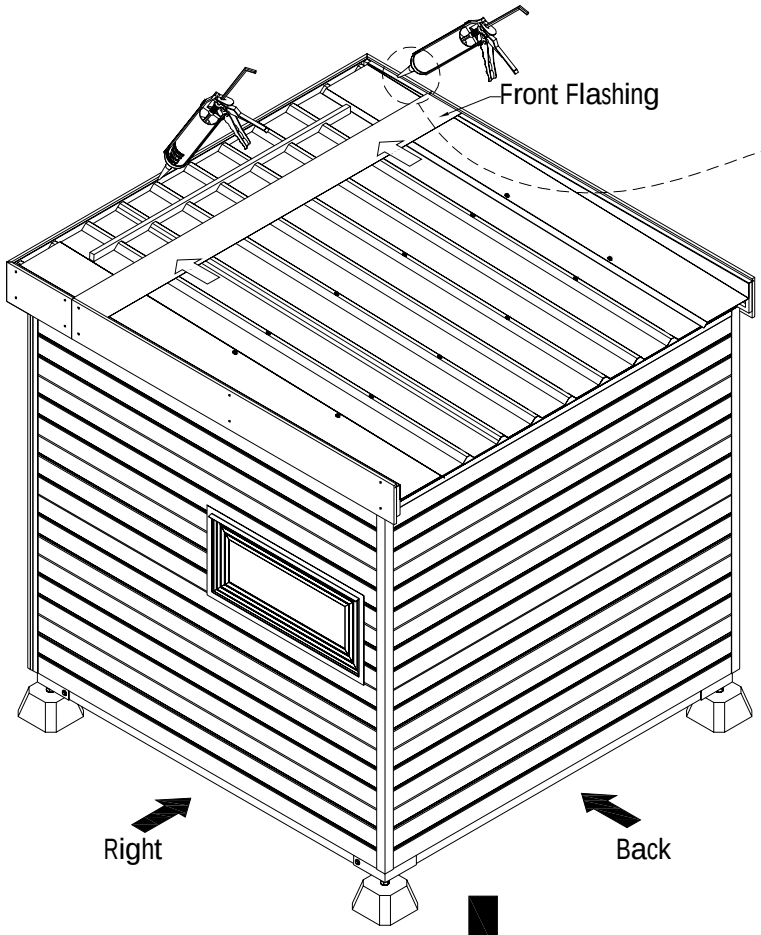
Install the Roof Foam using double-sided tape.

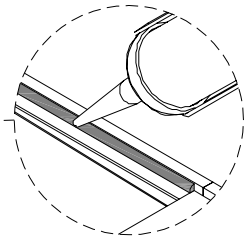


ROOF ASSEMBLY

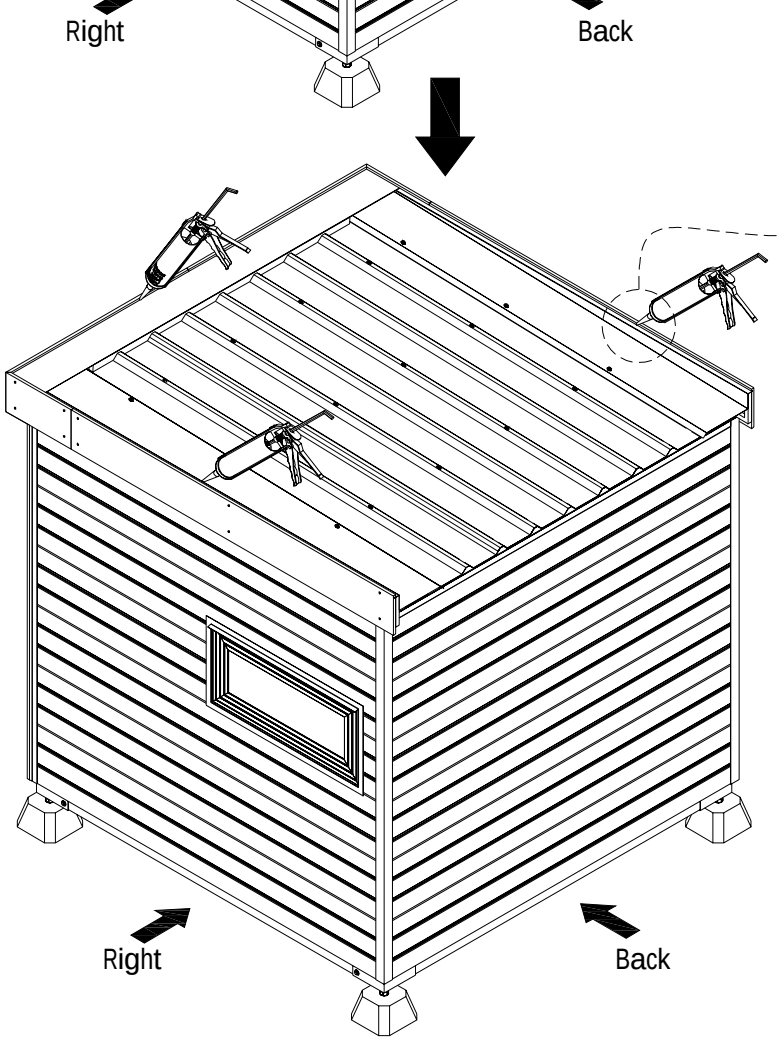
STEP 9

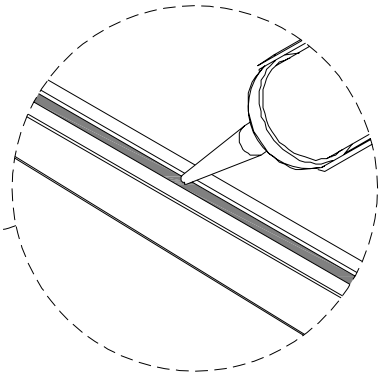
Install the Front Flashing.





Apply Bossil sealant to the groove, then slide the Front Flashing into the groove





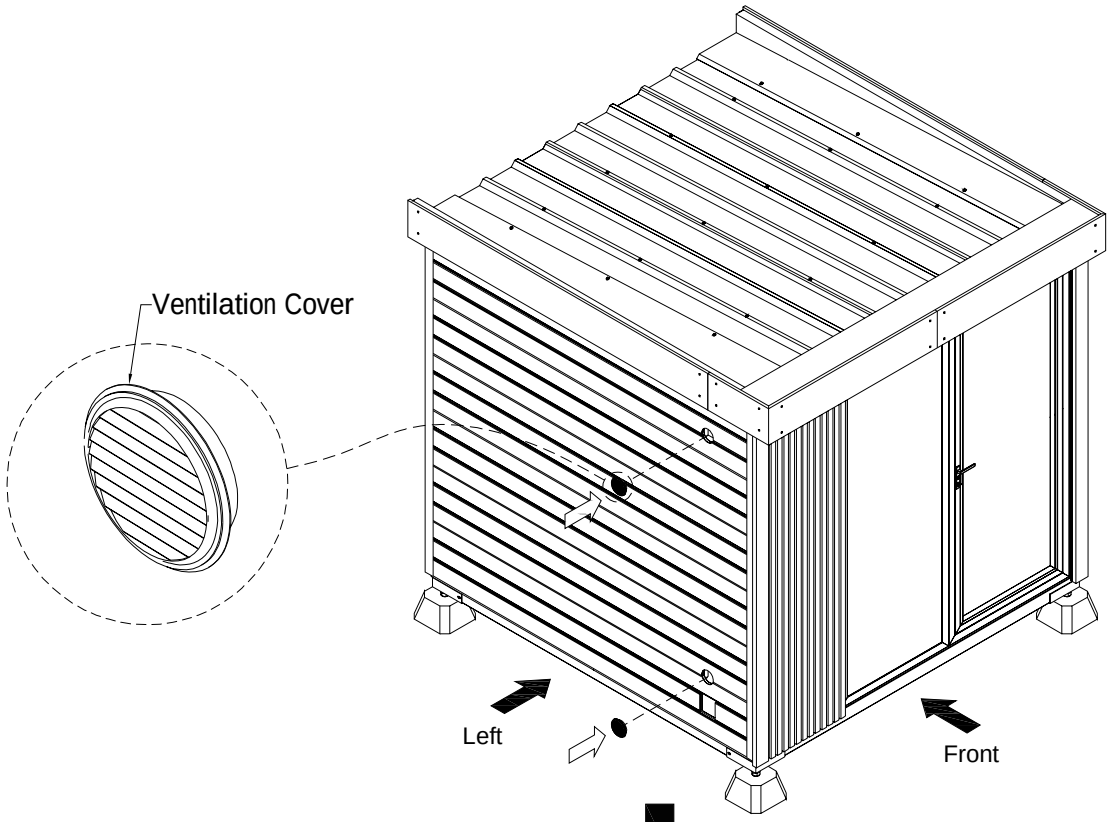
Apply Bossil sealant to all seams between the Flashing and adjacent roof components

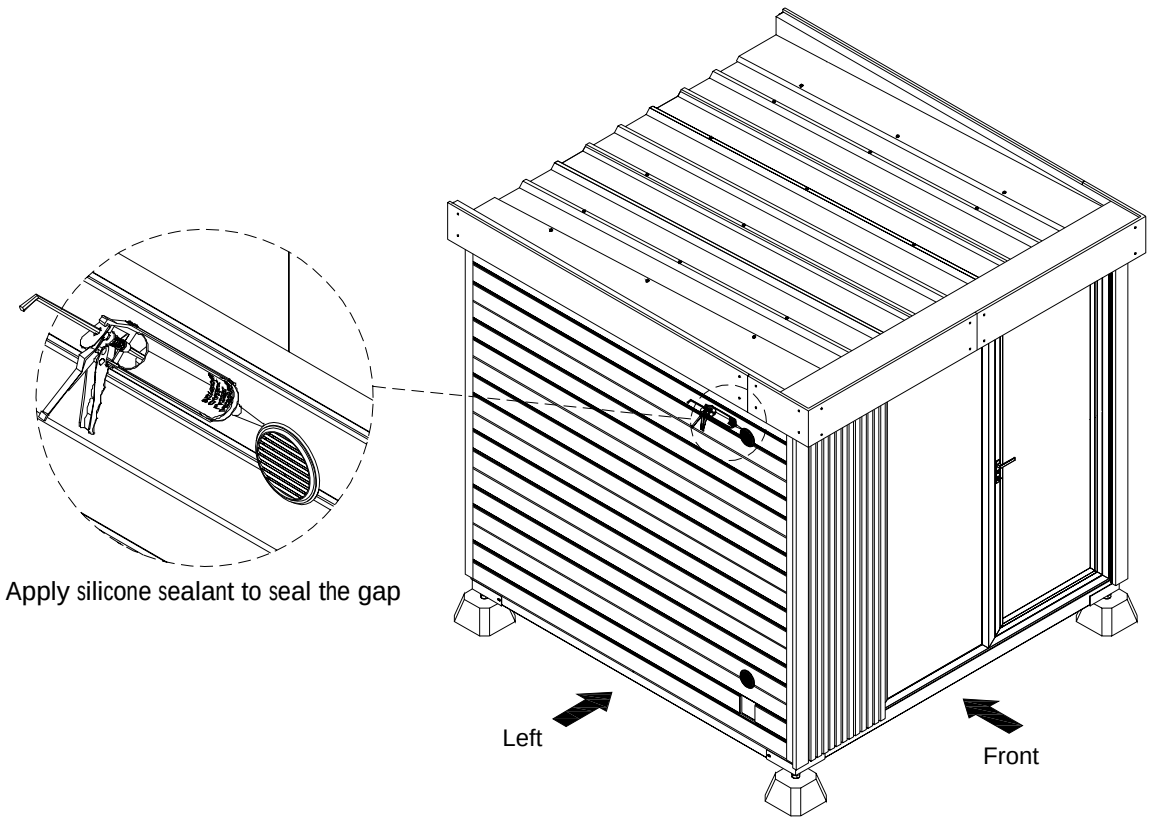
FINAL INSTALLATION

FINAL ASSEMBLY

STEP 1

Position the Ventilation Cover as shown in the figure below.



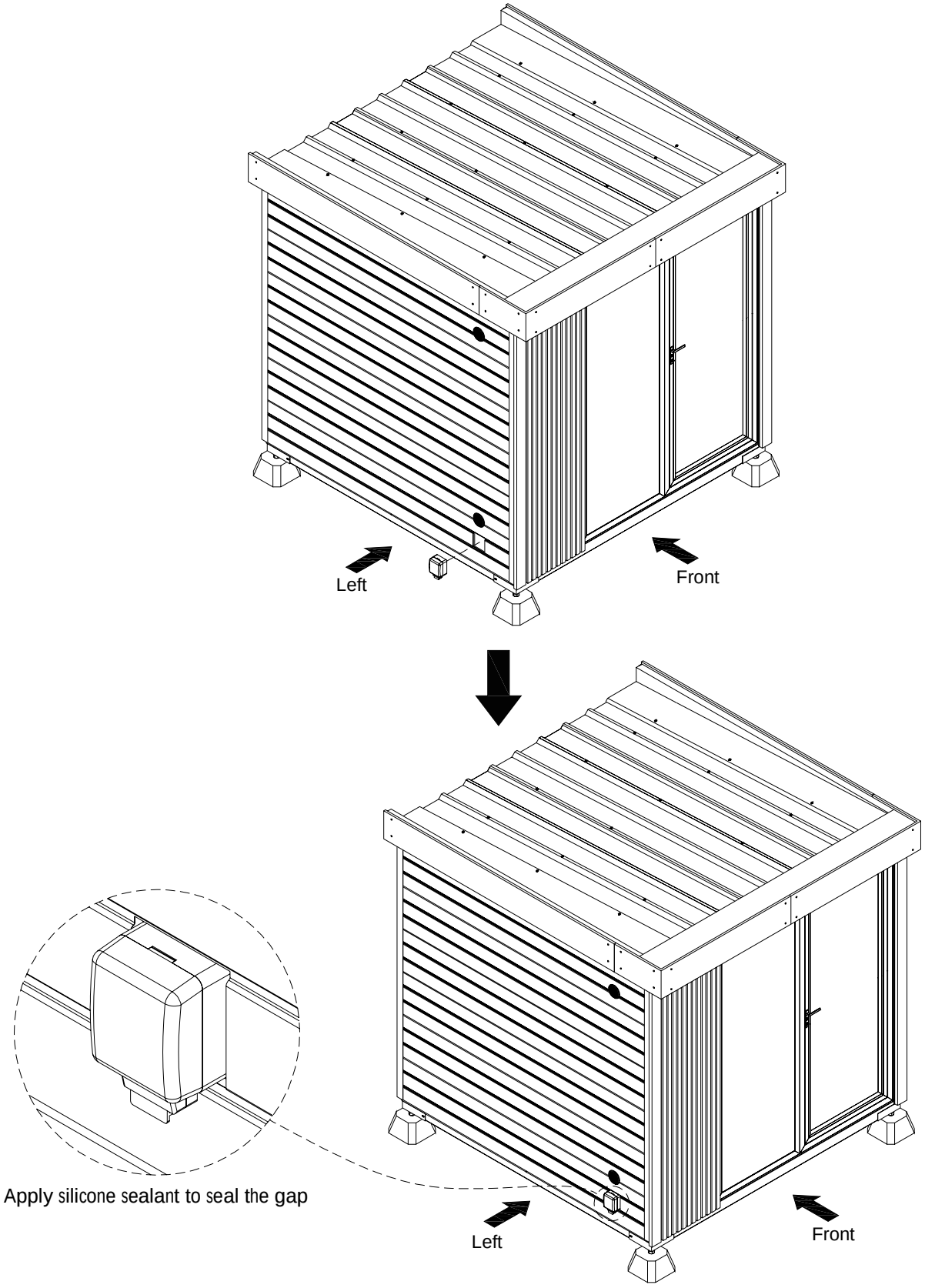


Apply silicone sealant to seal the gap

FINAL ASSEMBLY

STEP 2

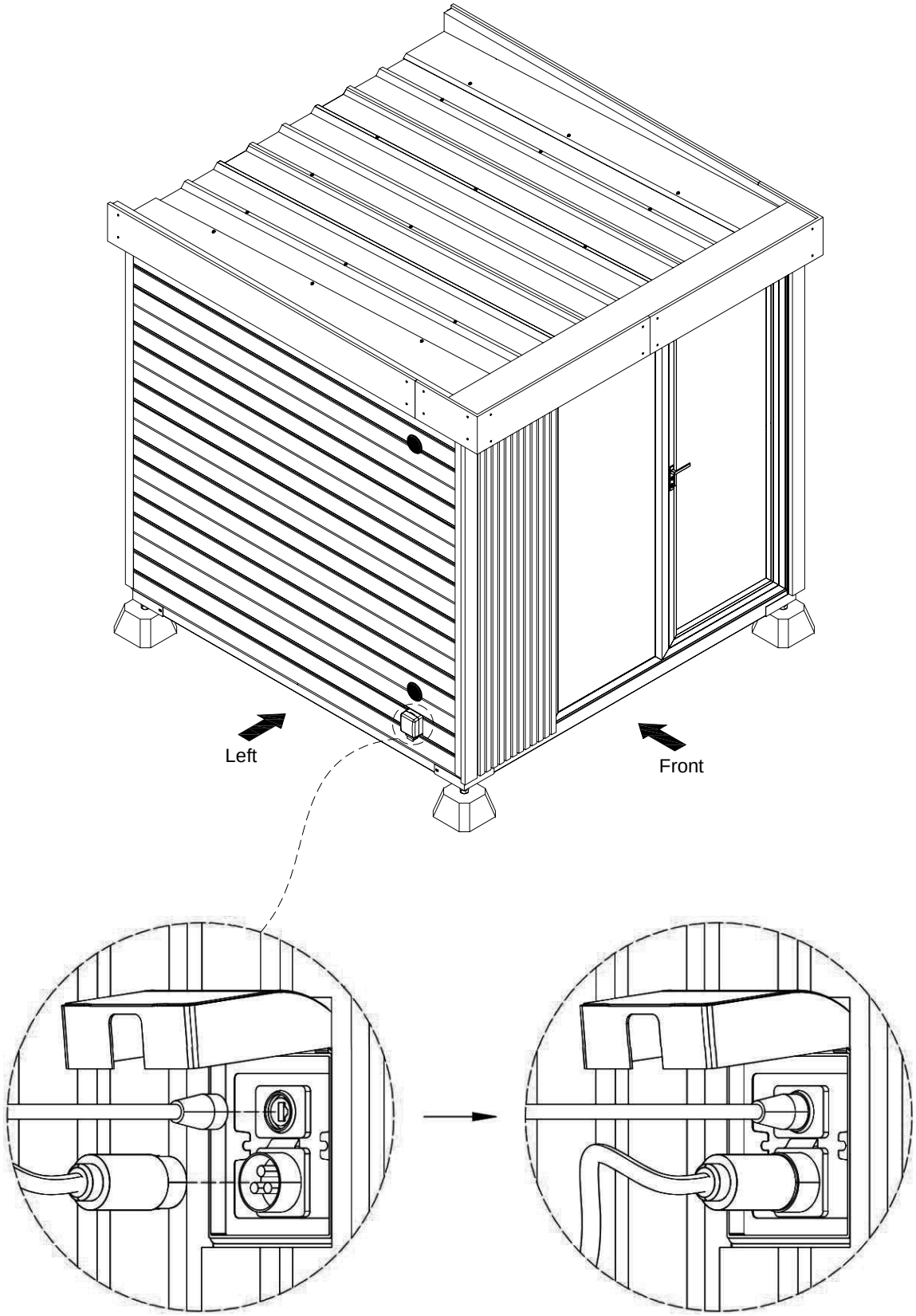
Position the Outlet Cover as shown in the figure below and secure it using screws.



FINAL ASSEMBLY

STEP 3

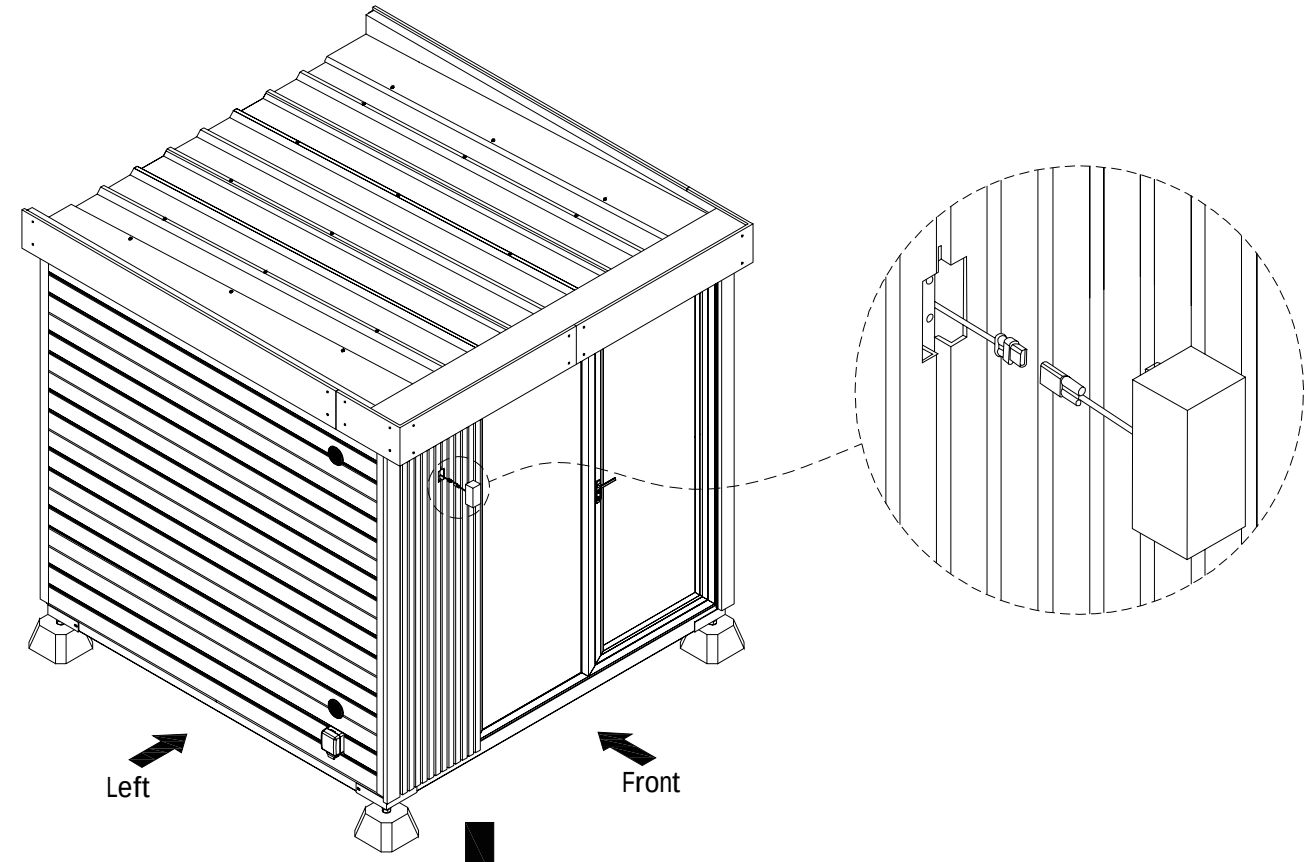
Plug in the Power Cable and the Network Cable as shown in the figure below.
The Pod is now ready for use.

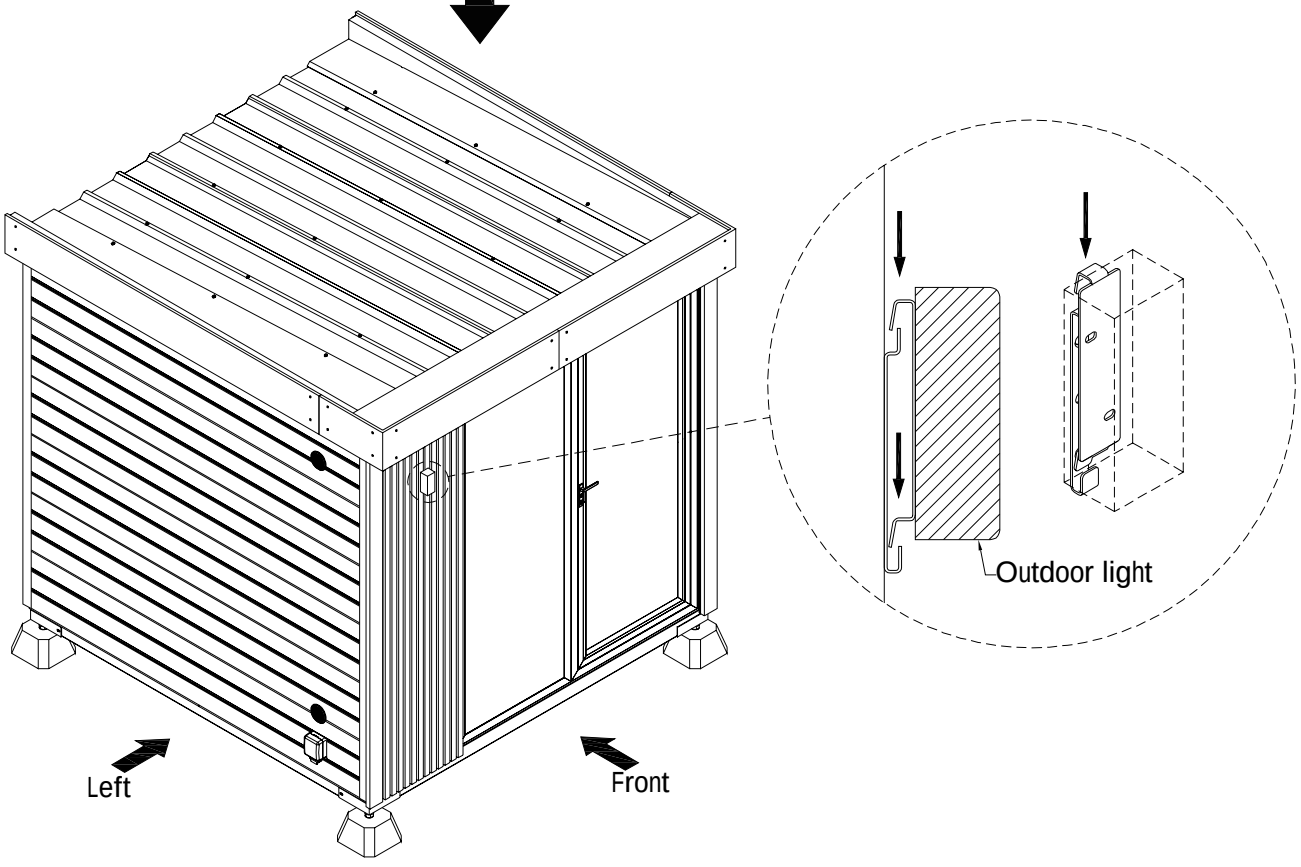


FINAL ASSEMBLY

STEP 4

Connect the Outdoor Light connector and slide it into place.





FINAL ASSEMBLY

STEP 5
Position the Composite Deck.