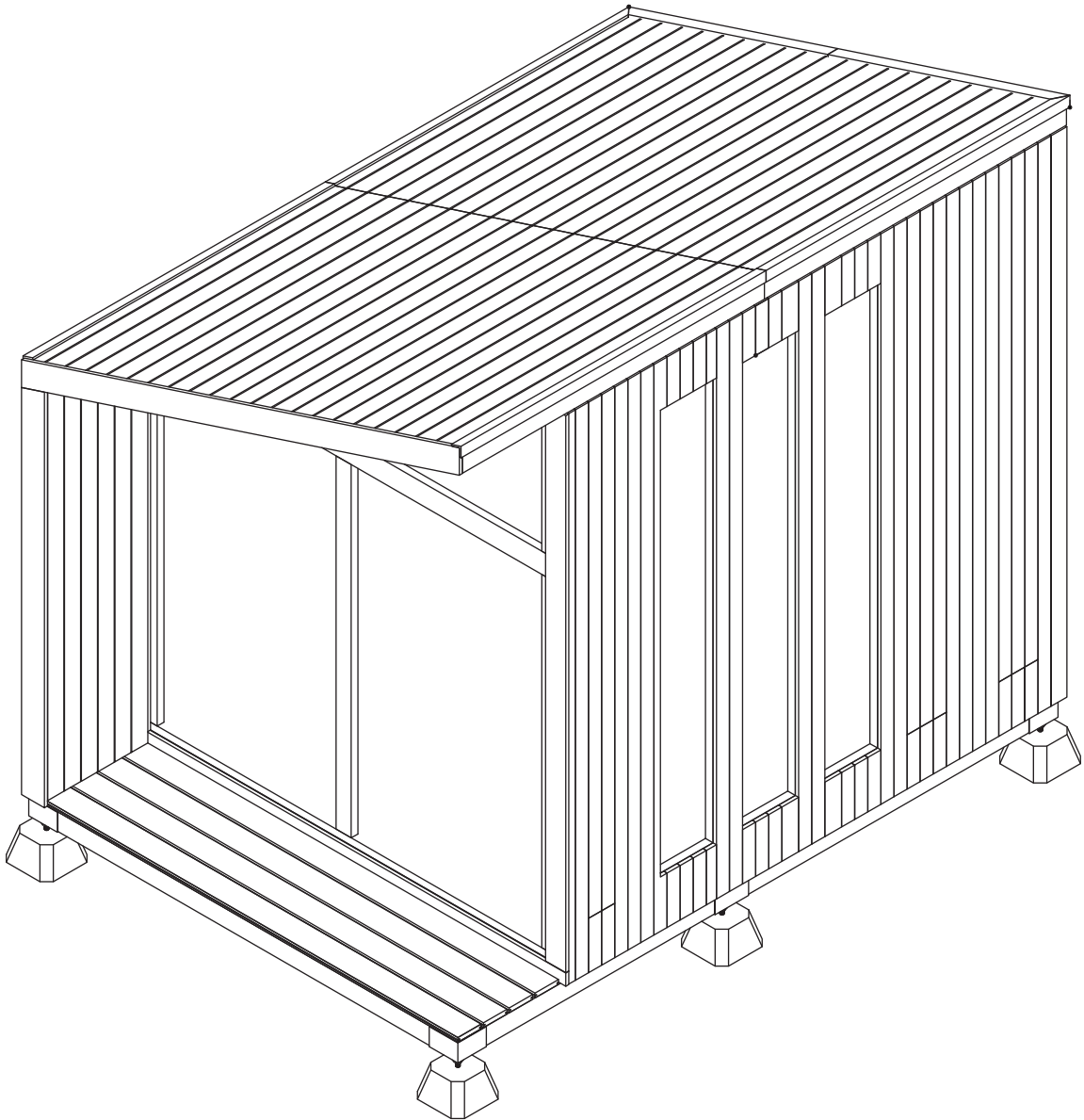


# Pod

## How to build yours.

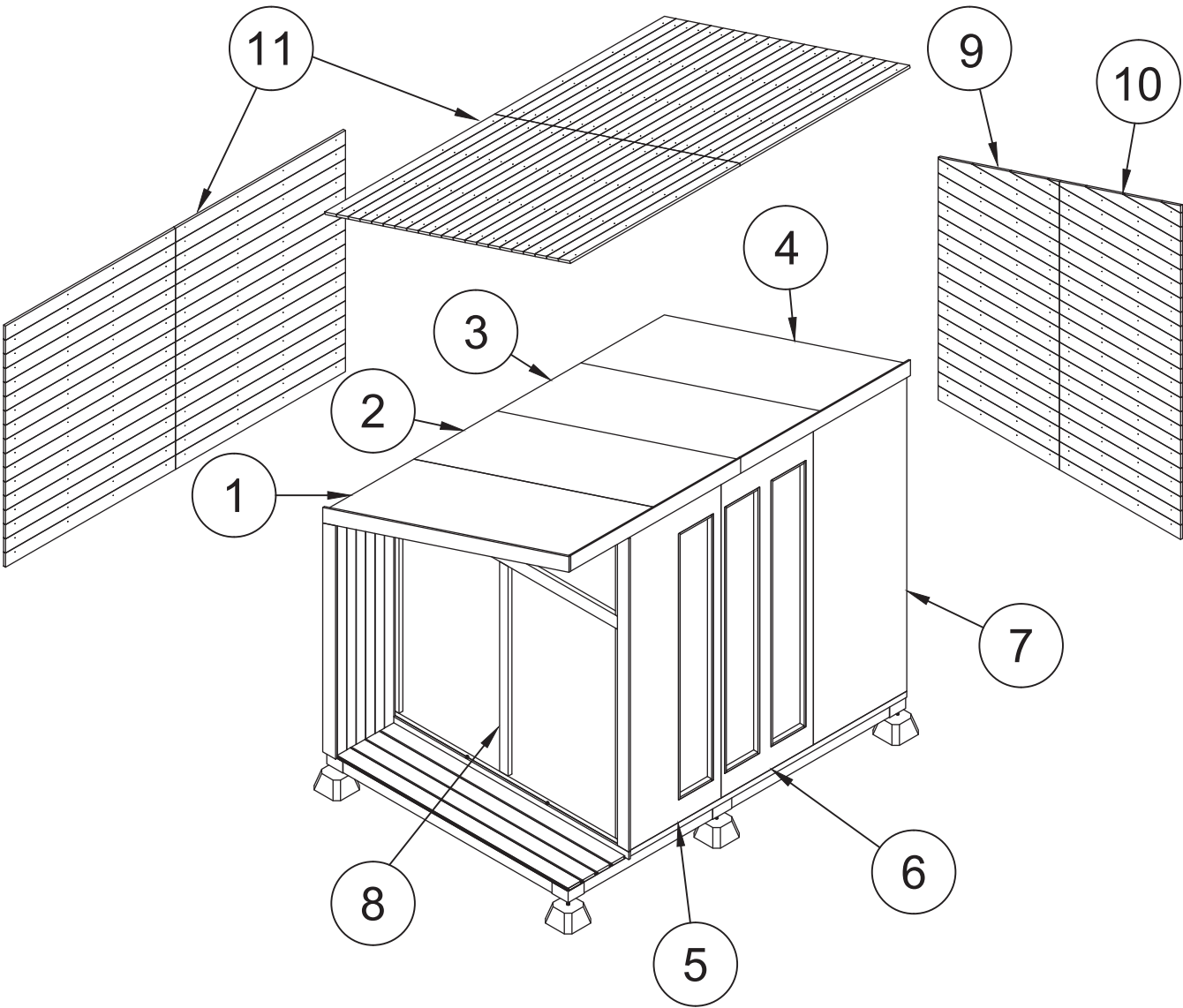


# Hello from the Pod team!

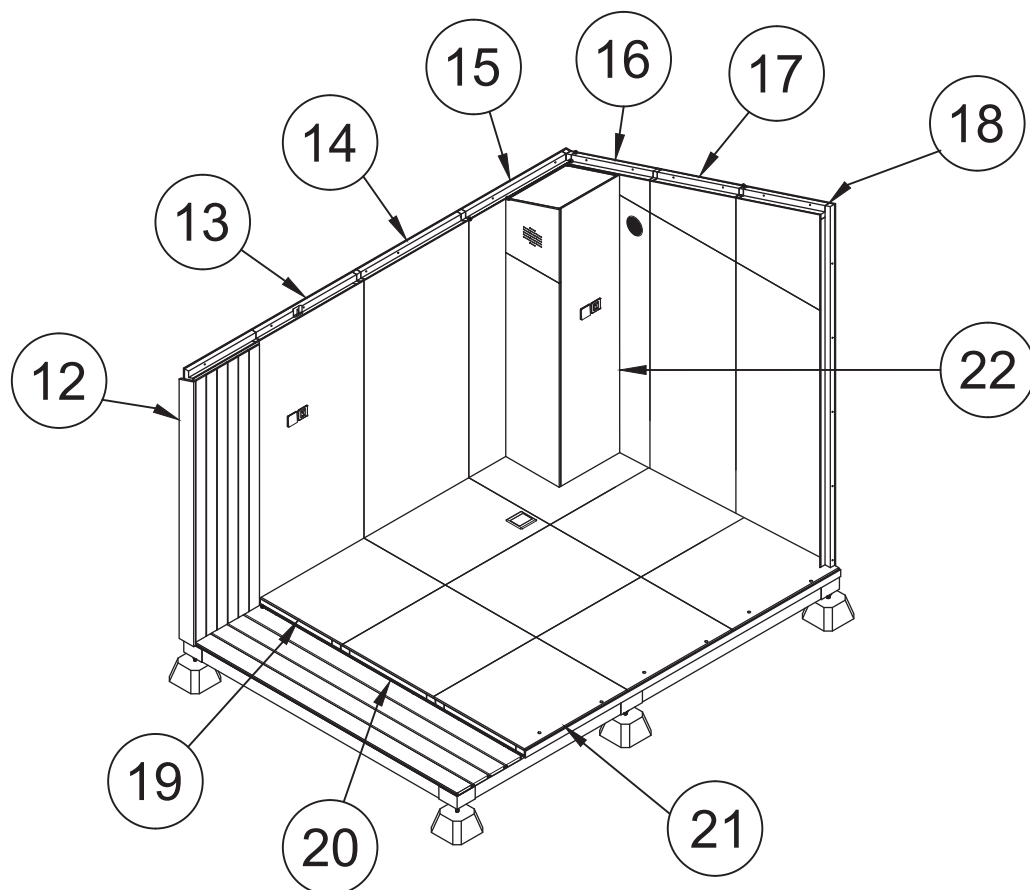
**Here’s how it all comes together.**

In this document, you’ll find notes on assembly, step-by-step instructions, a list of included tools, and detailed drawings of all components. If you have any follow up questions, you can reach us anytime at [human@autonomous.ai](mailto:human@autonomous.ai). We can’t wait for you to step into your new Pod!

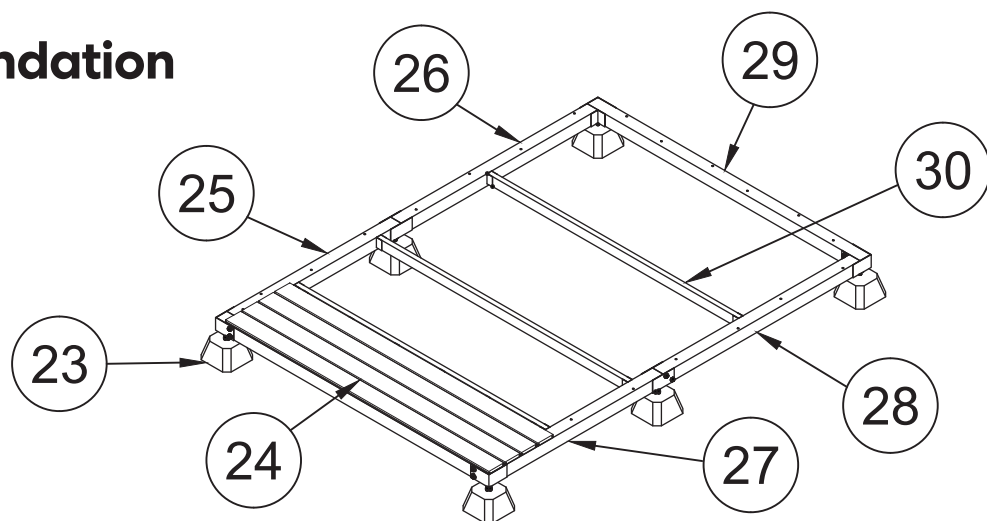
## Components



No	Part name	SKU	No	Part name	SKU
1	Roof A	A330-P19	7	Right wall C	A330-P12
2	Roof B	A330-P20	8	Glass door	A330-P2A, A330-P2B
3	Roof C	A330-P21	9	Back cover	A330-P25A
4	Roof D	A330-P22	10	Back cover	A330-P25B
5	Right wall A	A330-P10	11	Cover	A330-P26
6	Right wall B	A330-P11			



## Foundation



No	Component	SKU	No	Component	SKU
12	Left wall A	A330-P6	22	Electrical cabinet	A330-P23
13	Left wall B	A330-P7	23	Concrete base	A330-P1
14	Left wall C	A330-P8	24	Front frame	A330-P3A
15	Left wall D	A330-P9	25	Left frame A	A330-P4A
16	Back wall A	A330-P13	26	Left frame B	A330-P5A
17	Back wall B	A330-P14	27	Right frame A	A330-P4B
18	Back wall C	A330-P15	28	Right frame B	A330-P5B
19	Floor A	A330-P16	29	Back frame	A330-P3B
20	Floor B	A330-P17	30	Frame	A330-P3C
21	Floor C	A330-P18			

# Checking list

Crate	Package delivery	Qty	SKU	Components inside	Qty	SKU
A330-A	Concrete base	6	A330-P1			
	Left wall A	1	A330-P6			
	Left wall B	1	A330-P7			
	Left wall C	1	A330-P8			
	Left wall D	1	A330-P9			
	Steel frame	1	A330-P4	Right frame A	1	A330-P4B
				Left frame A	1	A330-P4A
	Steel frame	1	A330-P5	Right frame B	1	A330-P5B
				Left frame B	1	A330-P5A
	Electrical cabitnet	1	A330-P23	Ceiling light	1	
A330-B				Power cable	1	
	Bitument	1	A330-P27		3	
	Back cover	1	A330-P25A		20	
	Back cover	1	A330-P25B		25	
	Cover	4	A330-P26		20 pcs/box	
	Right wall A	1	A330-P10			
	Right wall B	1	A330-P11			
	Right wall C	1	A330-P12			
	Roof A	1	A330-P19			
A330-C	Roof C	1	A330-P21			
	Roof D	1	A330-P22			
	Steel frame	1	A330-P3	Front frame	1	A330-P3A
				Back frame	1	A330-P3B
				Frame (package inside the back frame)	1	A330-P3C
	Glass door	1	A330-P2A	Silding door		
A330-C	Toolbox	1	A330-P29			
	Back wall A	1	A330-P13			
	Back wall B	1	A330-P14			
	Back wall C	1	A330-P15			
	Floor A	1	A330-P16			
	Floor B	1	A330-P17			
	Floor C	1	A330-P18			
	Roof B	1	A330-P20			
A330-C	Glass door	1	A330-P2B	Triangle windows and door frames		



# Preparation

## 1. Receive Pod

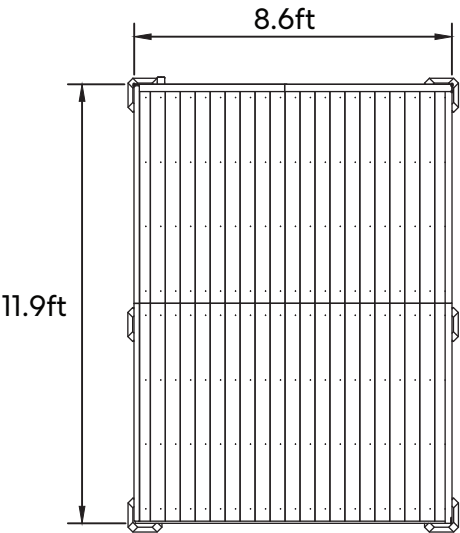
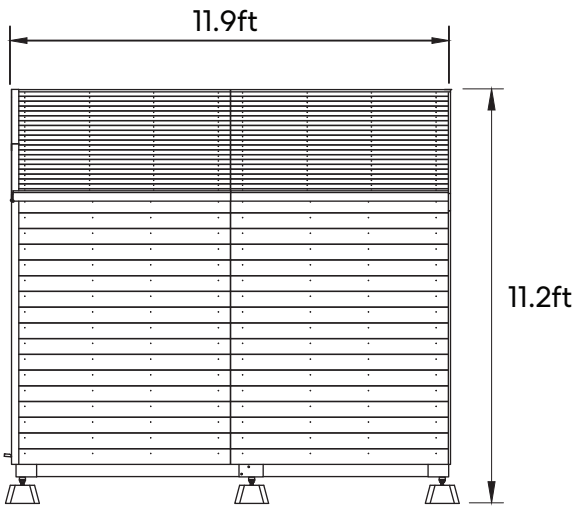
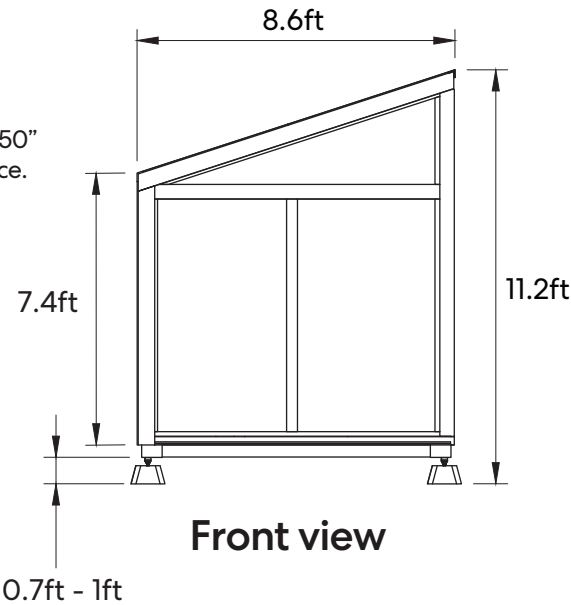
Pod will be delivered to front door by truck. Packages weighing between 80 - 200 lbs. The largest package is about 82" in length and 50" in width, so please ensure there is a clear pathway with sufficient space.

## 2. Choose a location

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

Pod will be about 11.2ft in height once assembled, so make sure there aren't any trees in the way. The foundation is 11.9ft by 8.6ft, so for a comfortable fit, we recommend an area around double of that – 24ft by 17ft.

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

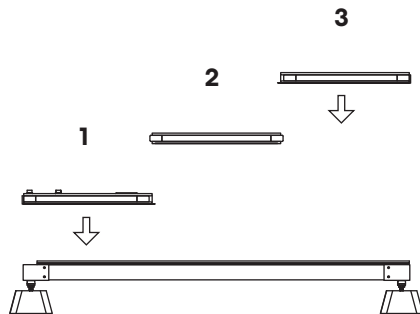
No	Description	Qty
<b>Pod Included:</b>		
1	Silicone gun	1
2	Silicone sealant	2
3	Level ruler 40"	1
4	Tap measure 16'	1
5	Rubber mallet	1
6	Paper cutter	1
7	Power outlet rain cover	1
8	Ceiling light	1
9	Housewrap	1
10	Wood screw	500
11	Allen wrench	1
12	Plastic cap nail	1

No	Description	Qty
13	Drill bit 3/8"	1
14	Connector Bolts - 1/4" x 2"	80
15	Bolt & Nut - 5/16" x 5"	14
16	Bolt & Nut - 3/8" x 6"	3
17	Bolt & Nut - 3/8" x 9"	20
18	Wrench 11/16"	2
19	Wrench 9/16"	2
20	Adjustable Wrench	1
21	Bitumen	3
<b>Need to prepare:</b>		
22	Electric screwdriver	2
23	Ladder 14'	1

# Assembly

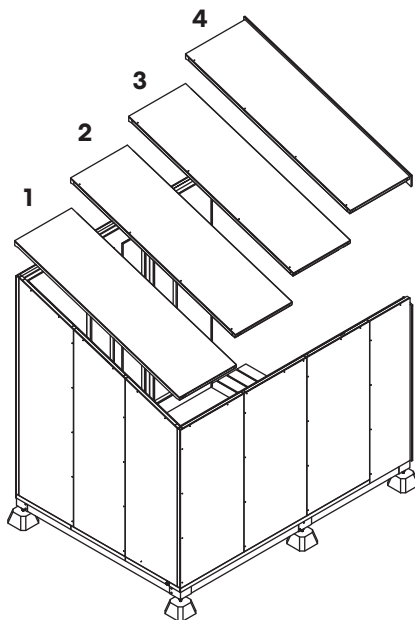
## 1. Floor

Install the floor in this order: Floor A - Floor B - Floor C. Take care not to collide with electrical parts on Floor A. Make sure the joints fit together and that the screw holes on the floor are aligned with the holes on the steel frame. Check that the floor is level before continuing.



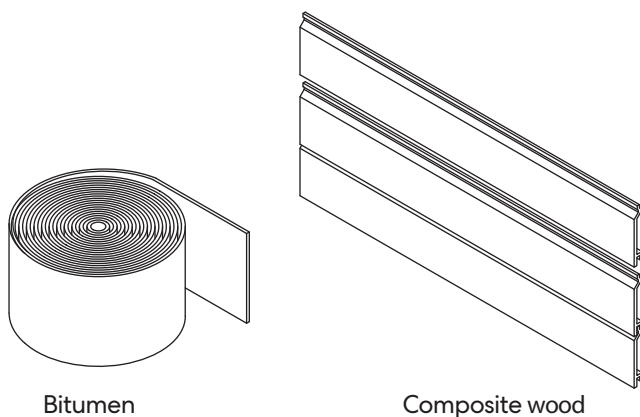
## 3. Roof

Install the roof in this order: Roof D - Roof C - Roof B - Roof A. Be careful with Roof A - it's the heaviest.



## 5. Waterproofing & Composite wood cover

Use the supplied bitumen roll to protect all seams between components and prevent water from entering. Install composite wood to weatherproof the bitumen.

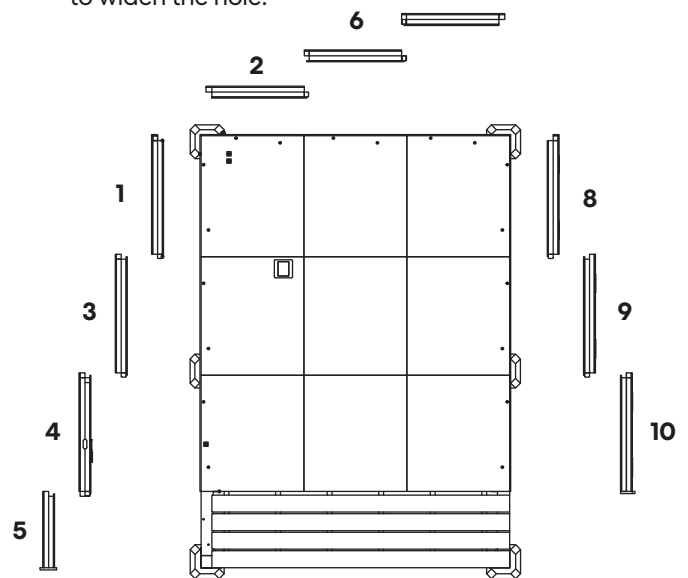


## 2. Wall

Install the walls in this order: Left wall D - Back wall A - Left wall C - Left wall B - Left wall A - Back wall B - Back wall C - Right wall C - Right wall B - Right wall A.

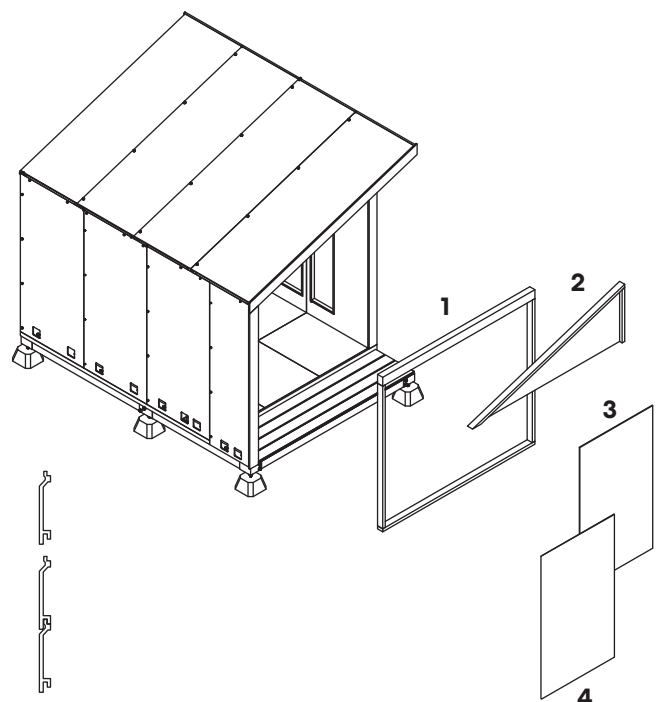
Pay special attention when installing Right wall A and Right wall B, as they contain glass on the inside. All walls must be perpendicular to the floor. Check that the seam between the two inner walls is tight before fixing with connector bolt. Remove the bitumen glue on the covers and seal after screwing.

Note: If you encounter difficulties connecting the walls with the connector bolt, use the supplied drill bit to widen the hole.



## 4. Glass door

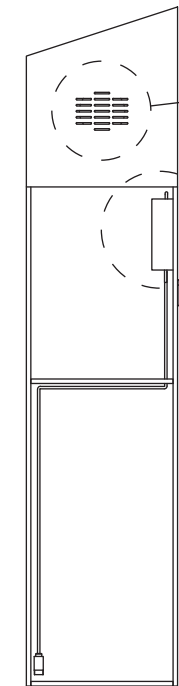
Install the glass door with the handle on the inside rail, making sure all corners form 90 degree angles. Install the upper glass from inside the Pod. Spray silicone sealant around the border of the frame to prevent water from entering. Both doors should slide easily after installation.



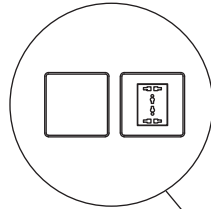
# Electrical

## Electrical devices in Pod:

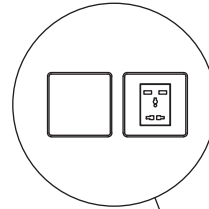
RCB (Residual Current Breaker): 1  
 Wall outlet: 2  
 Floor outlet: 1  
 Ceiling light switch: 1  
 Ceiling light: 1  
 Ventilator switch: 1  
 Ventilator: 1



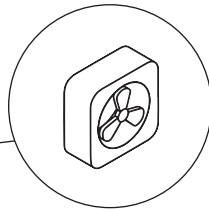
Electrical cabinet



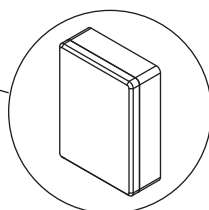
Ceiling light switch  
 Wall outlet: 110V-15A



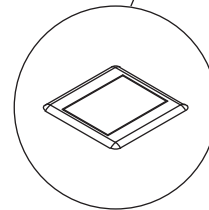
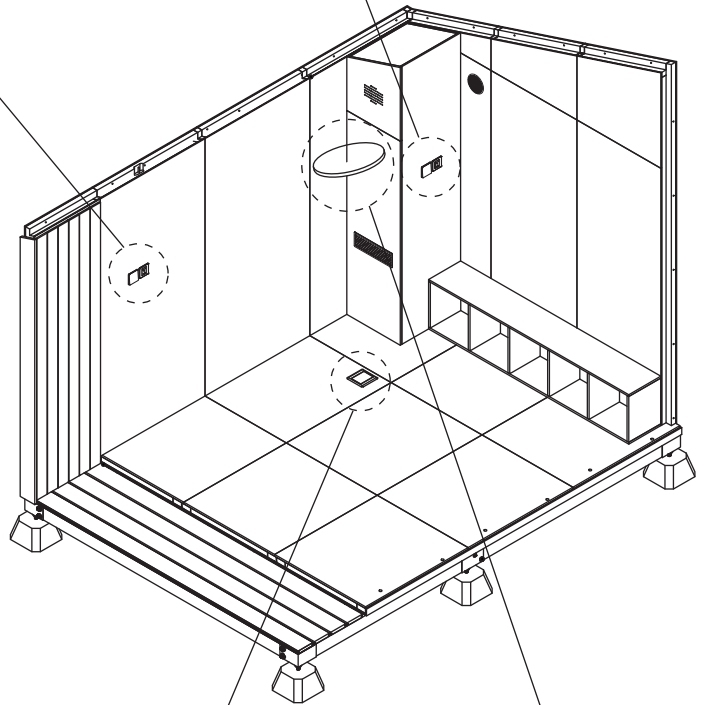
Ventilator switch  
 Wall outlet: 110V-15A  
 USB port: 5V-2A



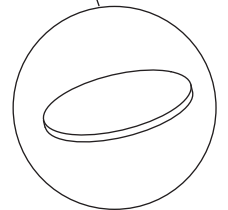
Ventilator



Electric box  
 Red is "Line"  
 Blue is "Neutral"  
 Yellow is "Ground"



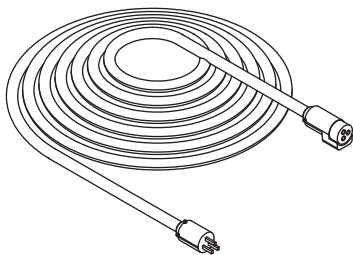
Floor outlet 110V - 15A



Ceiling Light

## Connecting Pod to your power supply:

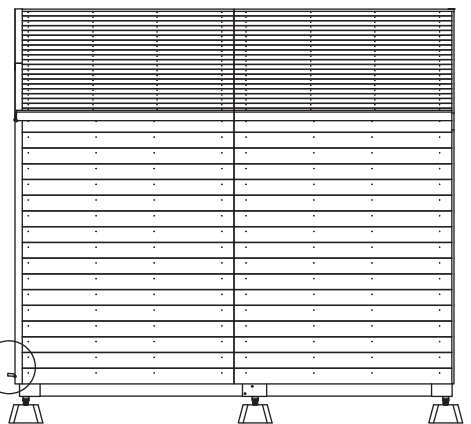
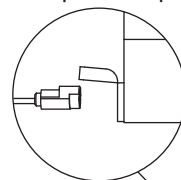
A 66ft power cable is provided, with 2 connectors – 1 that connects to the Pod, and one that connects to your main power supply. Your power supply should be at least 20A at 110 VAC 50Hz/60Hz. If you do not have an outlet which can supply this minimum, an electrician will be able to assist you.



3 pin male waterproof connector  
 Connect to your Pod

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

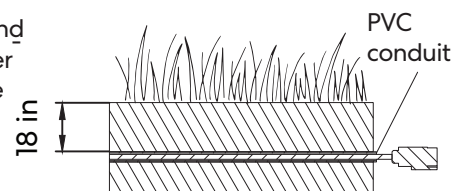
Pod power input



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

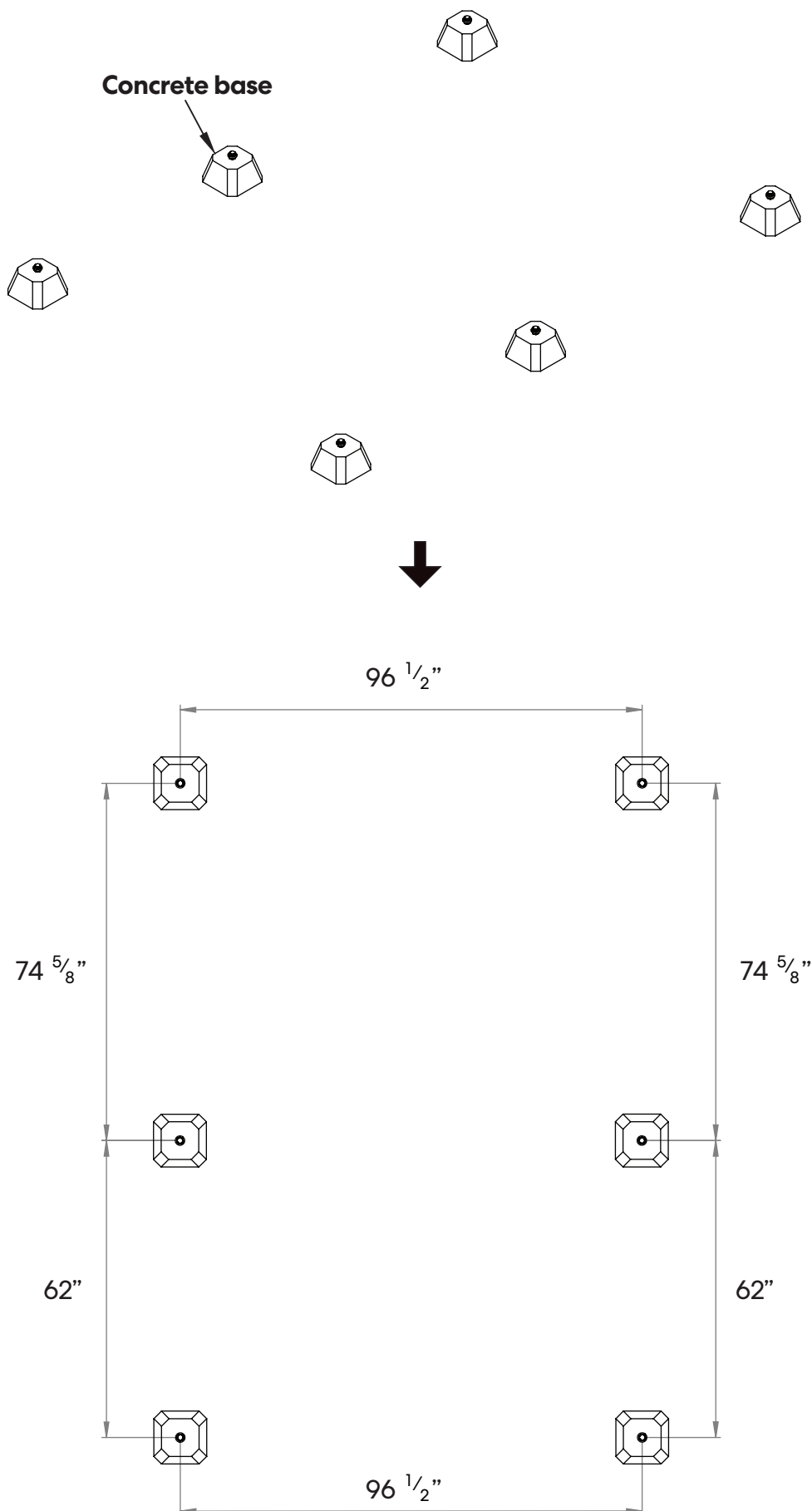
If the cable is to be buried underground, it should be used with a PVC conduit, and buried at a depth of 18" beneath paths or patios, and 30" below grass and flower beds. If the distance between Pod and the main power supply is further than the cable (66ft), you will need an outlet extender with waterproof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

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



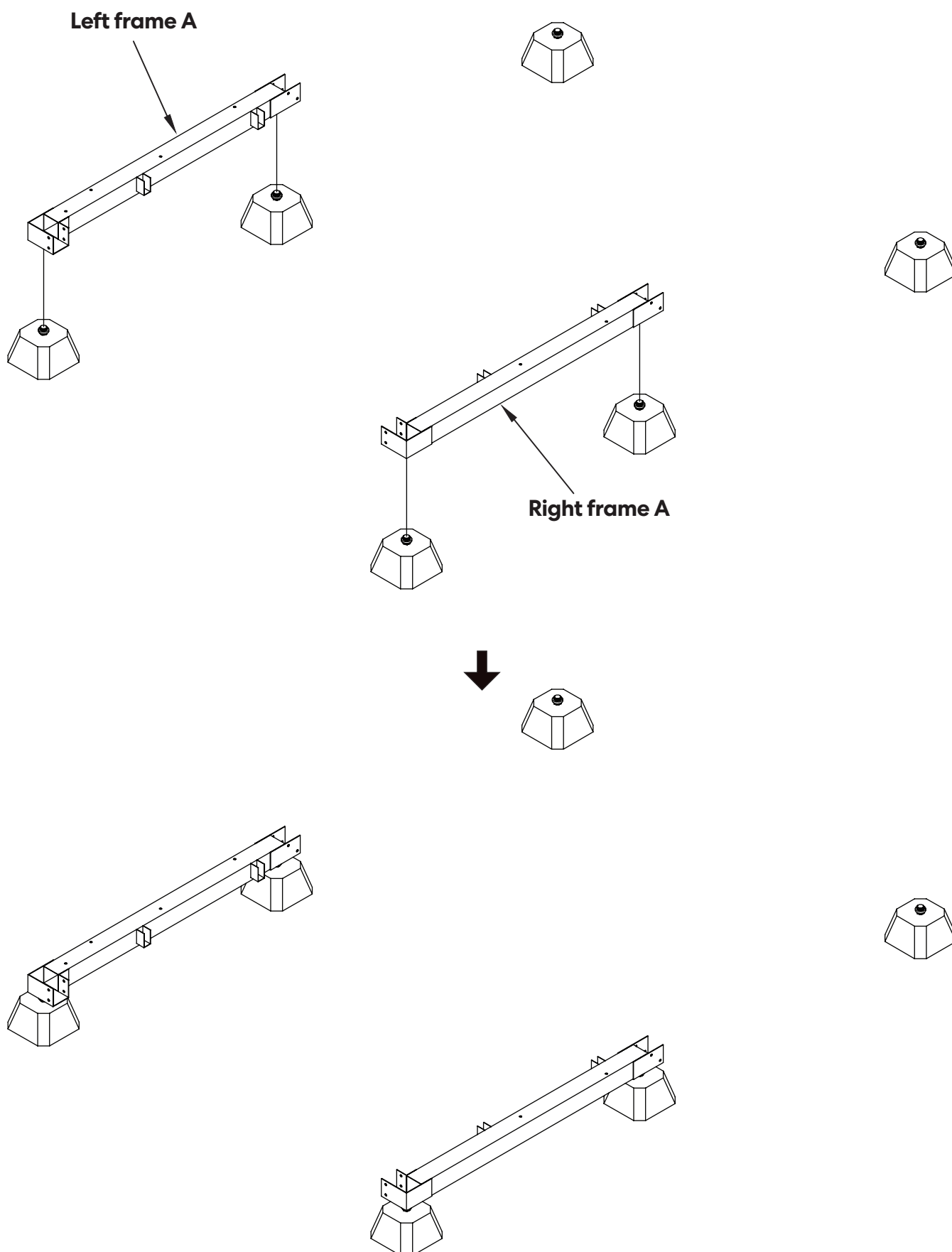
# Step 1

Place the **Concrete bases** in position and make sure the distances between them adhere to the ones in the figure below.



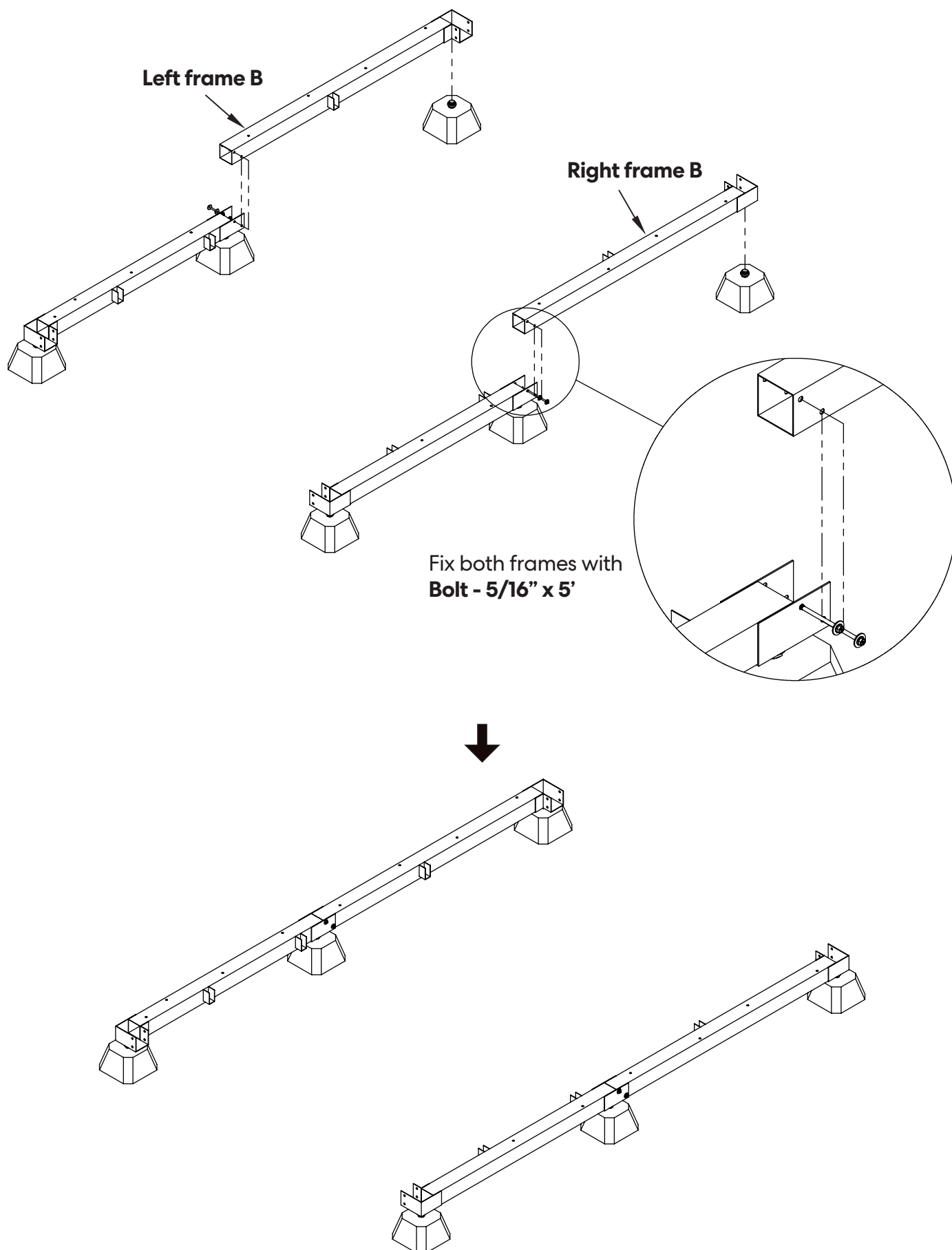
## Step 2

Install **Left frame A** and **Right frame A**.



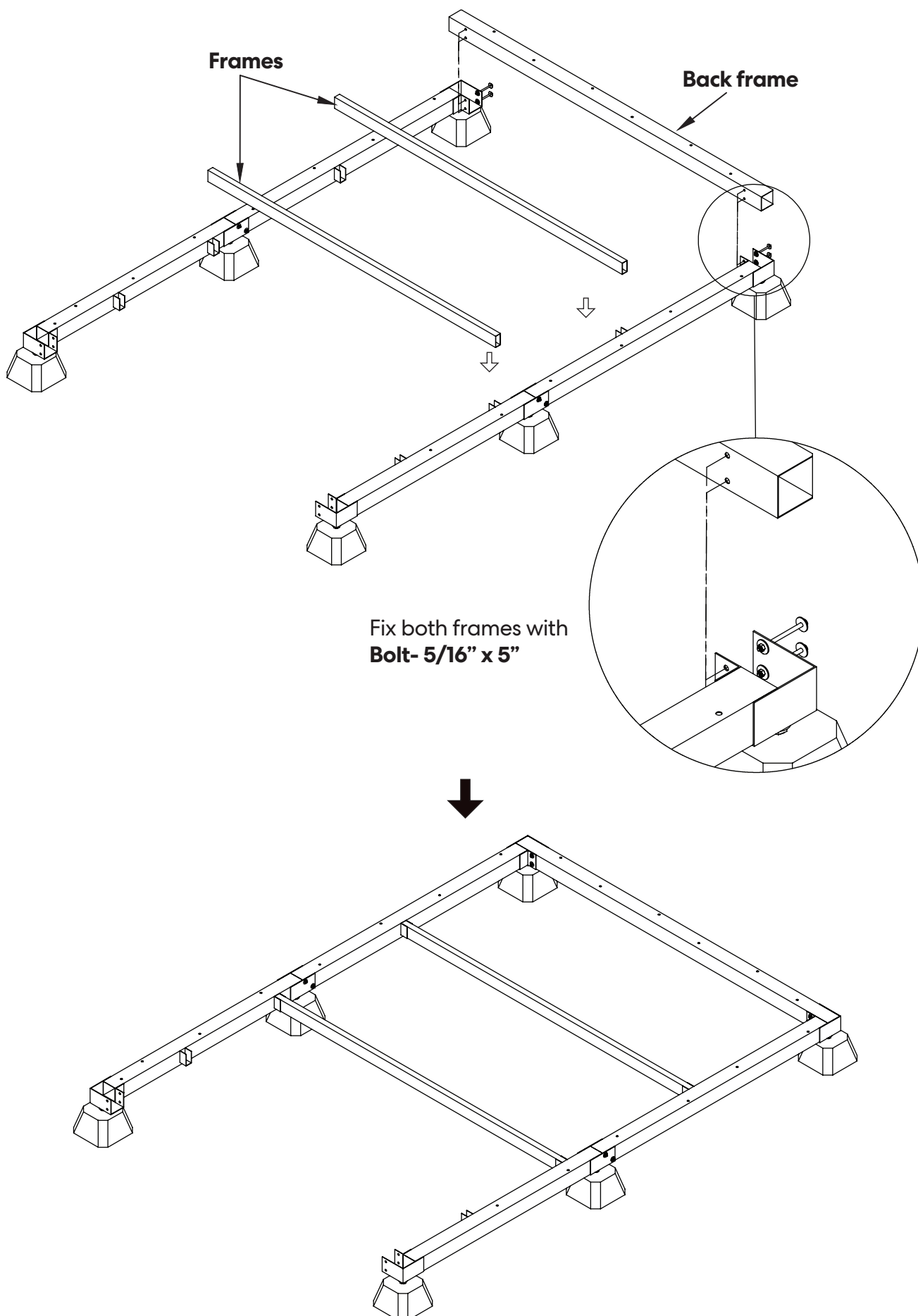
# Step 3

Install **Left frame B** and **Right frame B**.



## Step 4

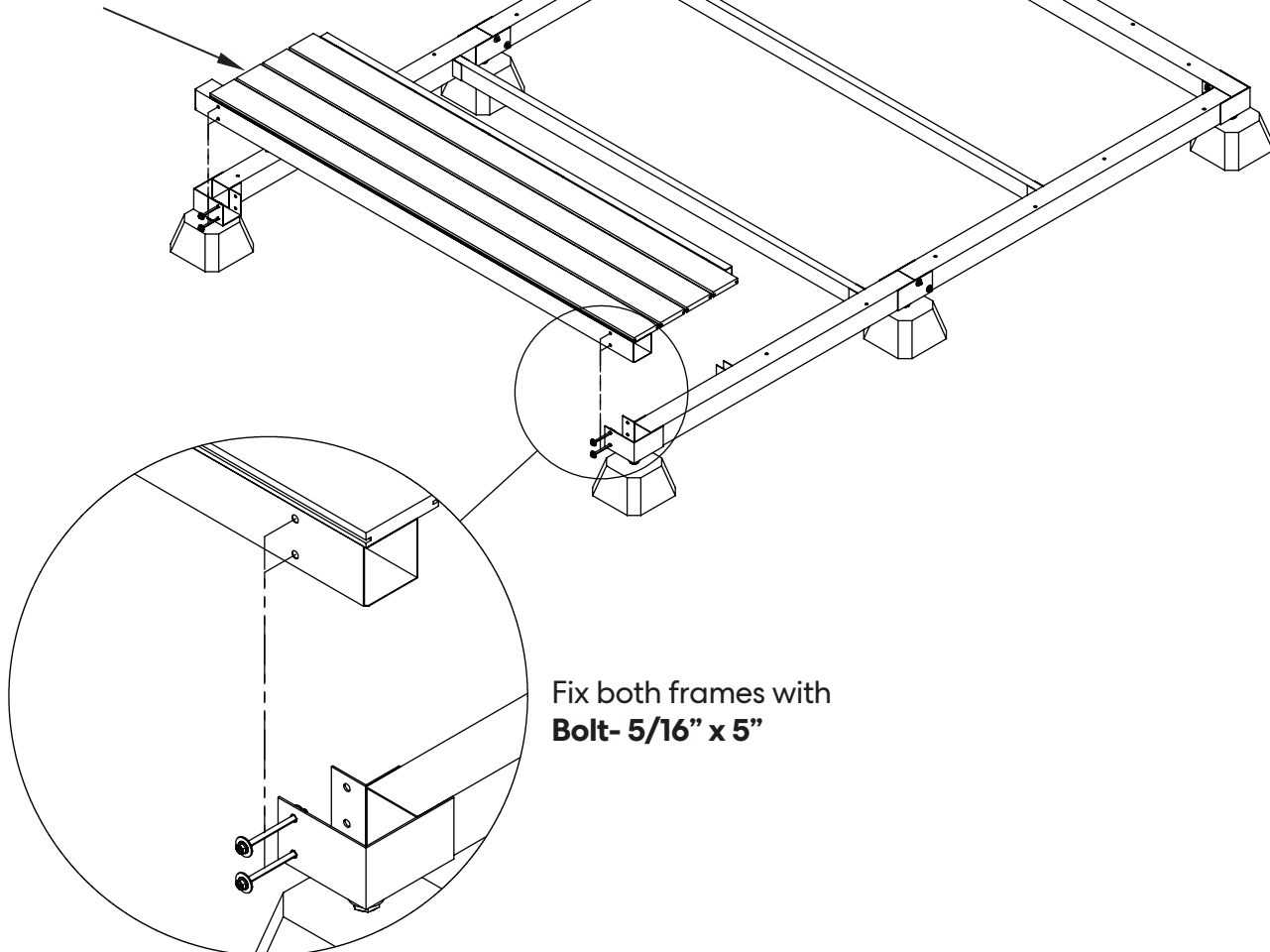
Install **Back frame** and both **Frames**.



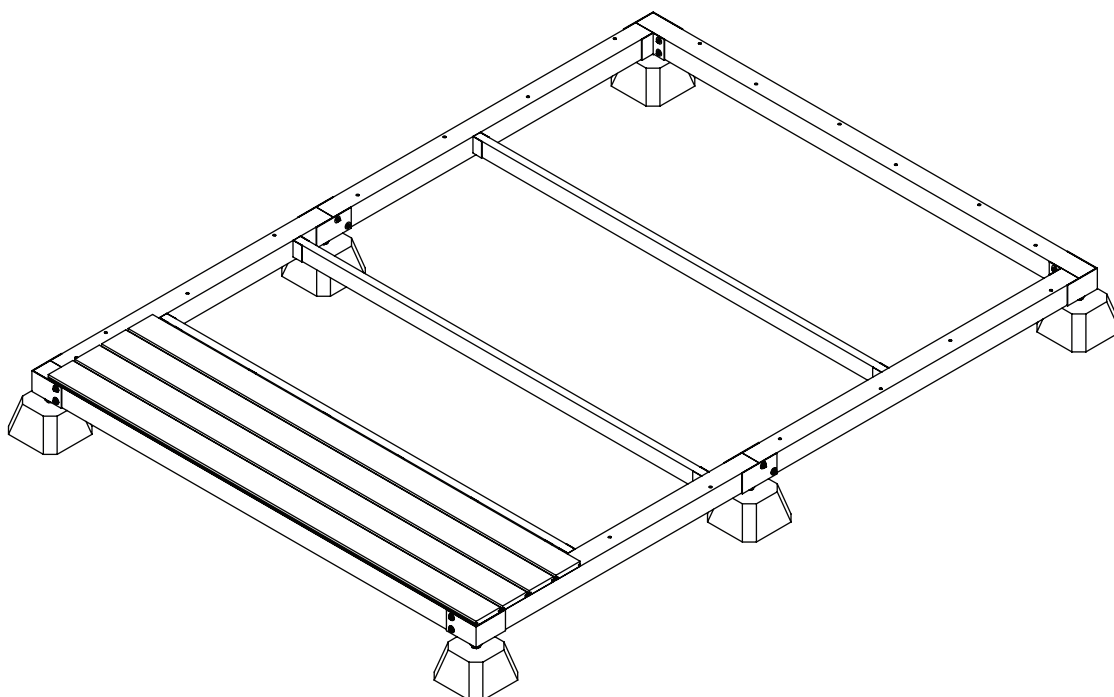
# Step 5

Install **Front frame**.

**Front frame**



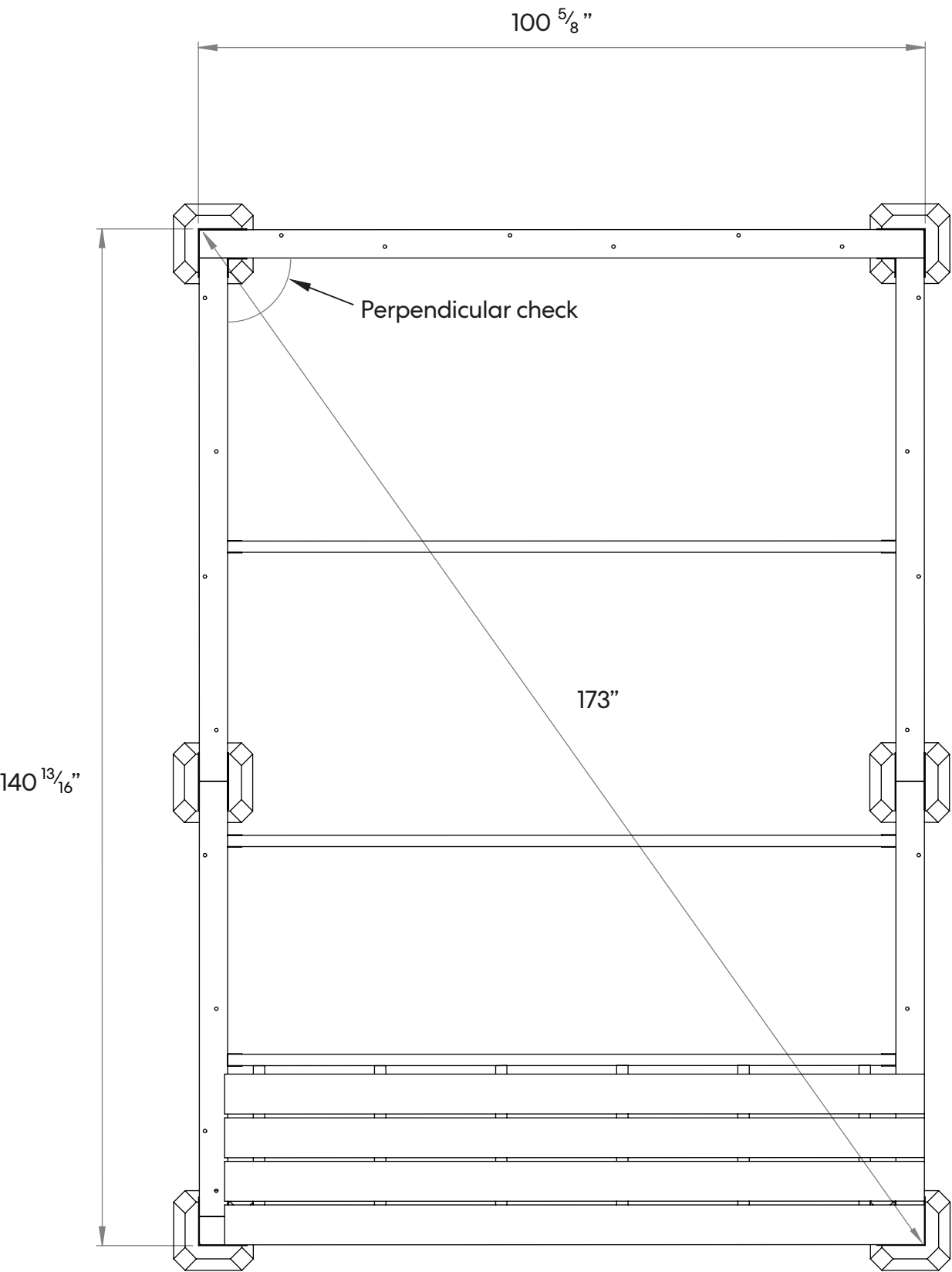
Fix both frames with  
**Bolt- 5/16" x 5"**





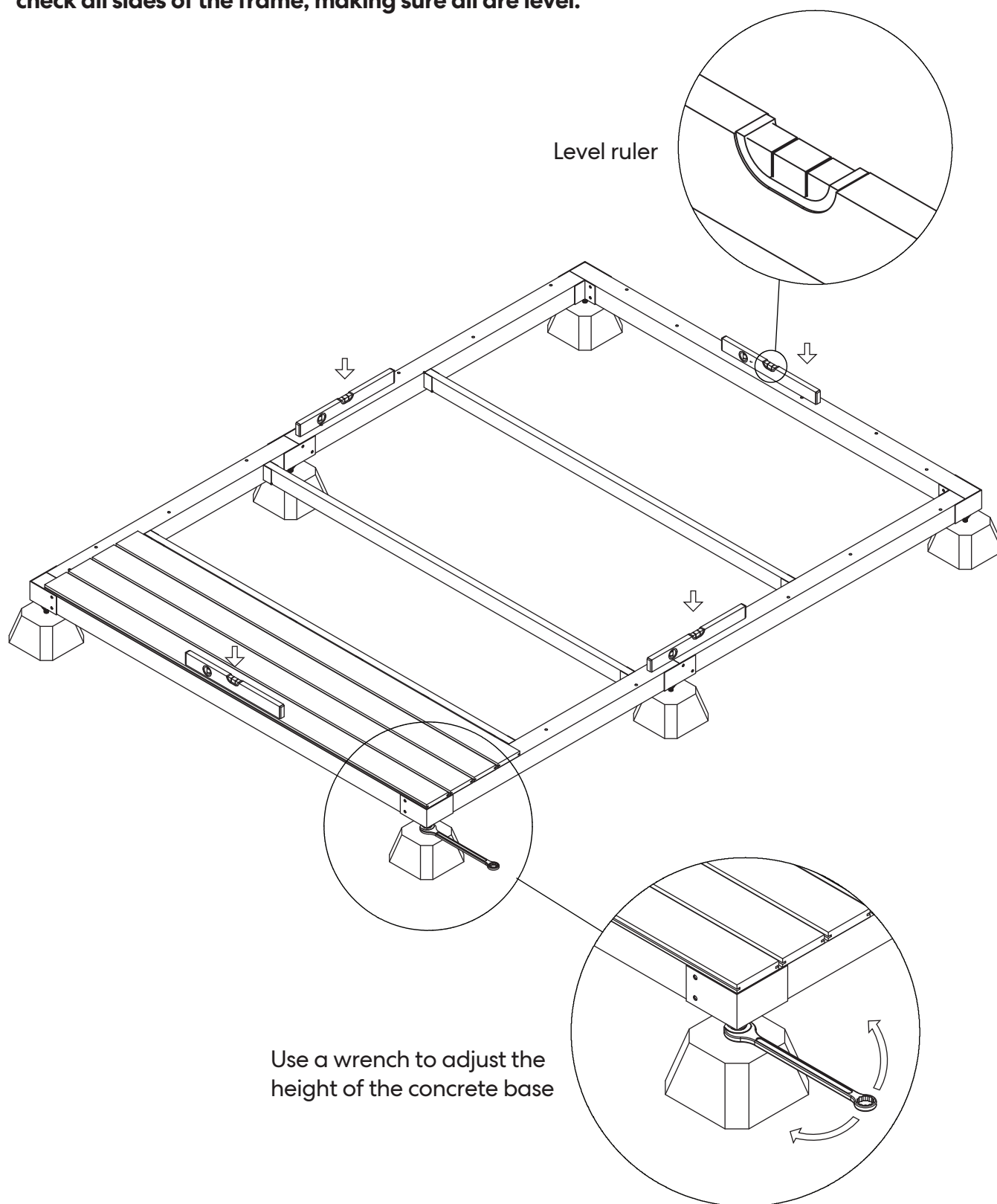
# Step 6

Once you have completed the foundation, make sure the size adheres to the measurements in the figure below. It is very important that everything is square and the right dimension.



# Step 7

**Important:** After you have completed the installation of the steel frame, use a level ruler to check all sides of the frame, making sure all are level.

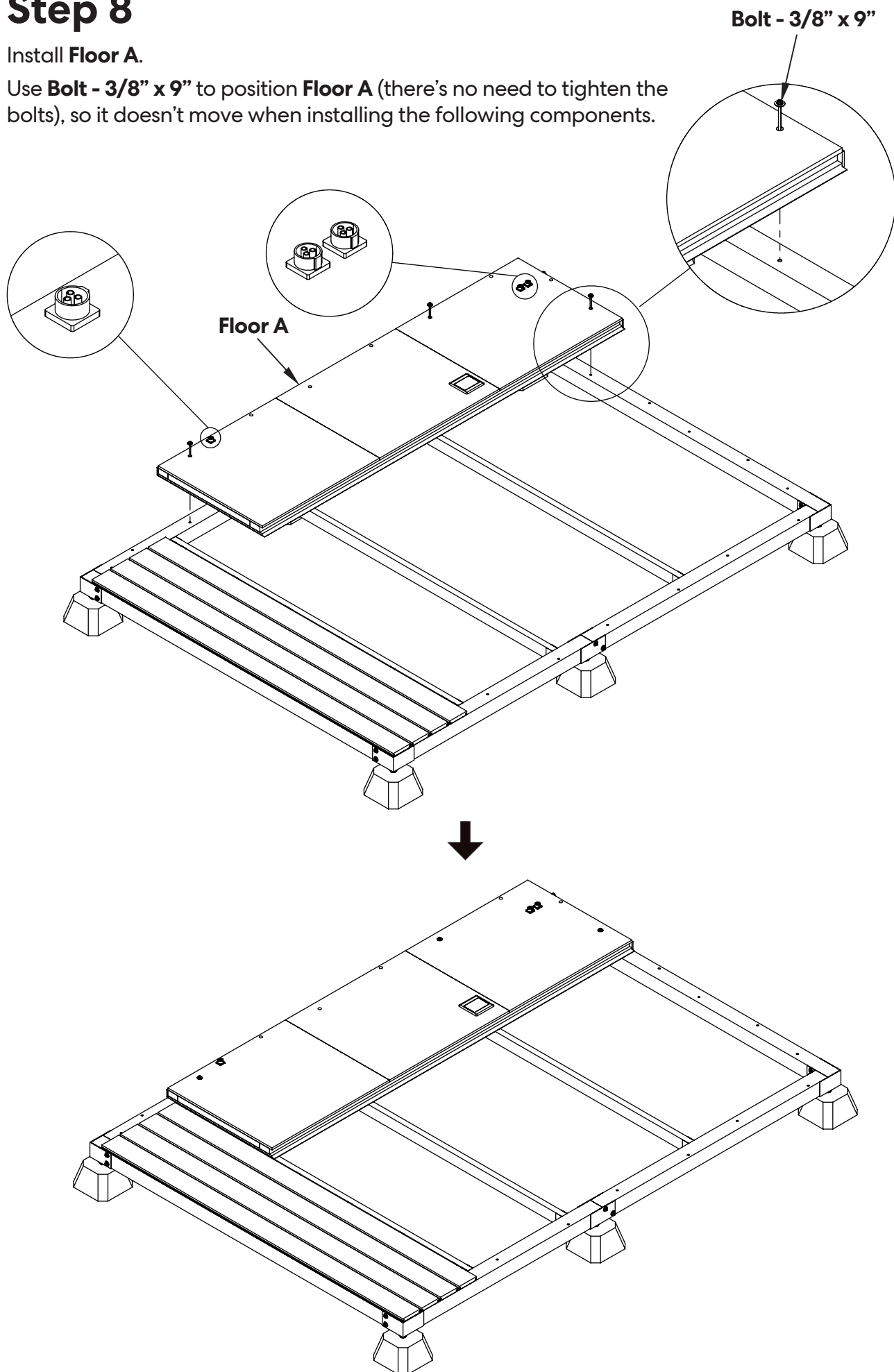


**Checking the size and balance of the steel frame after assembly is extremely important, it helps to avoid many problems later, remember to pay attention.**

## Step 8

Install **Floor A**.

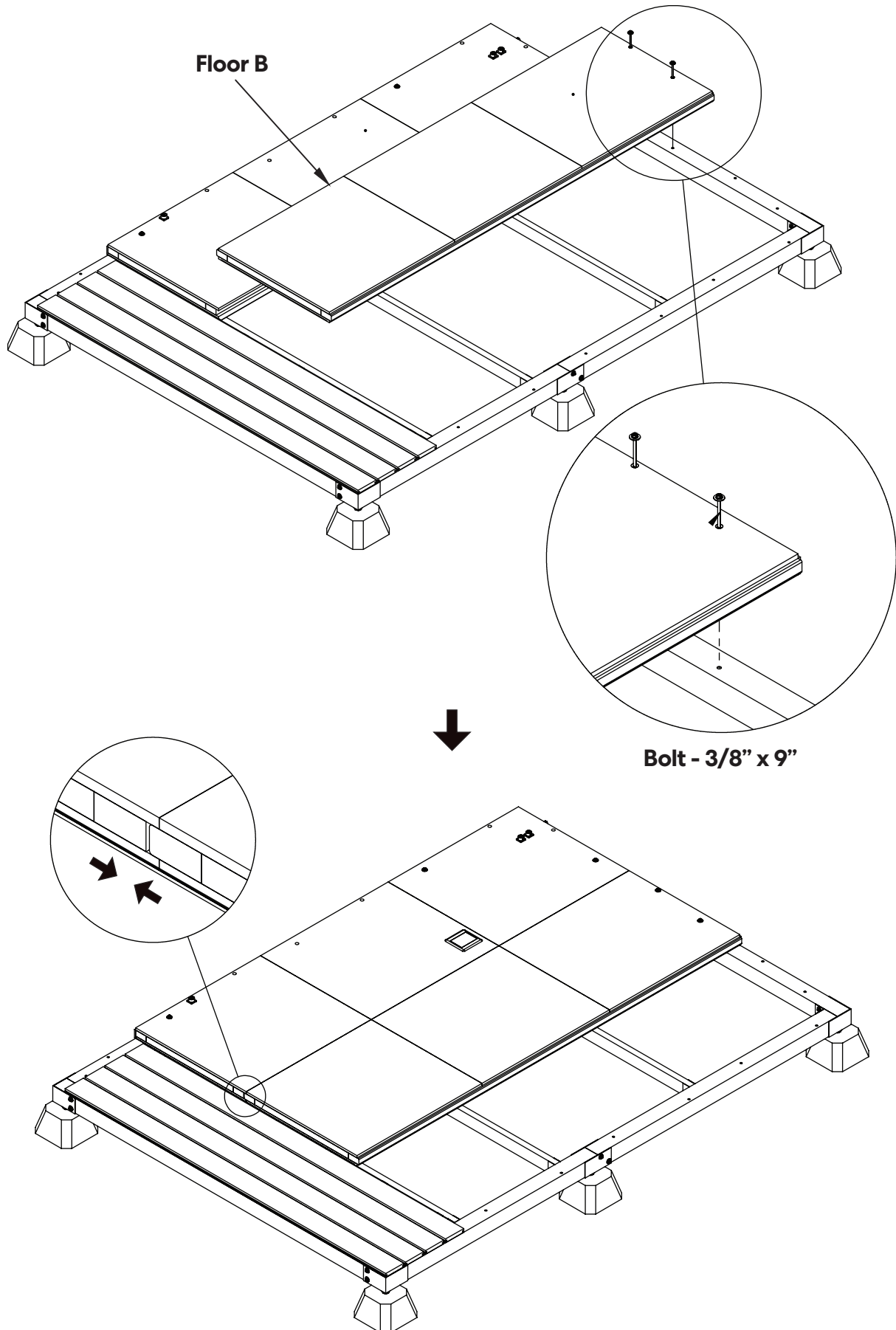
Use **Bolt - 3/8" x 9"** to position **Floor A** (there's no need to tighten the bolts), so it doesn't move when installing the following components.



## Step 9

Install **Floor B**.

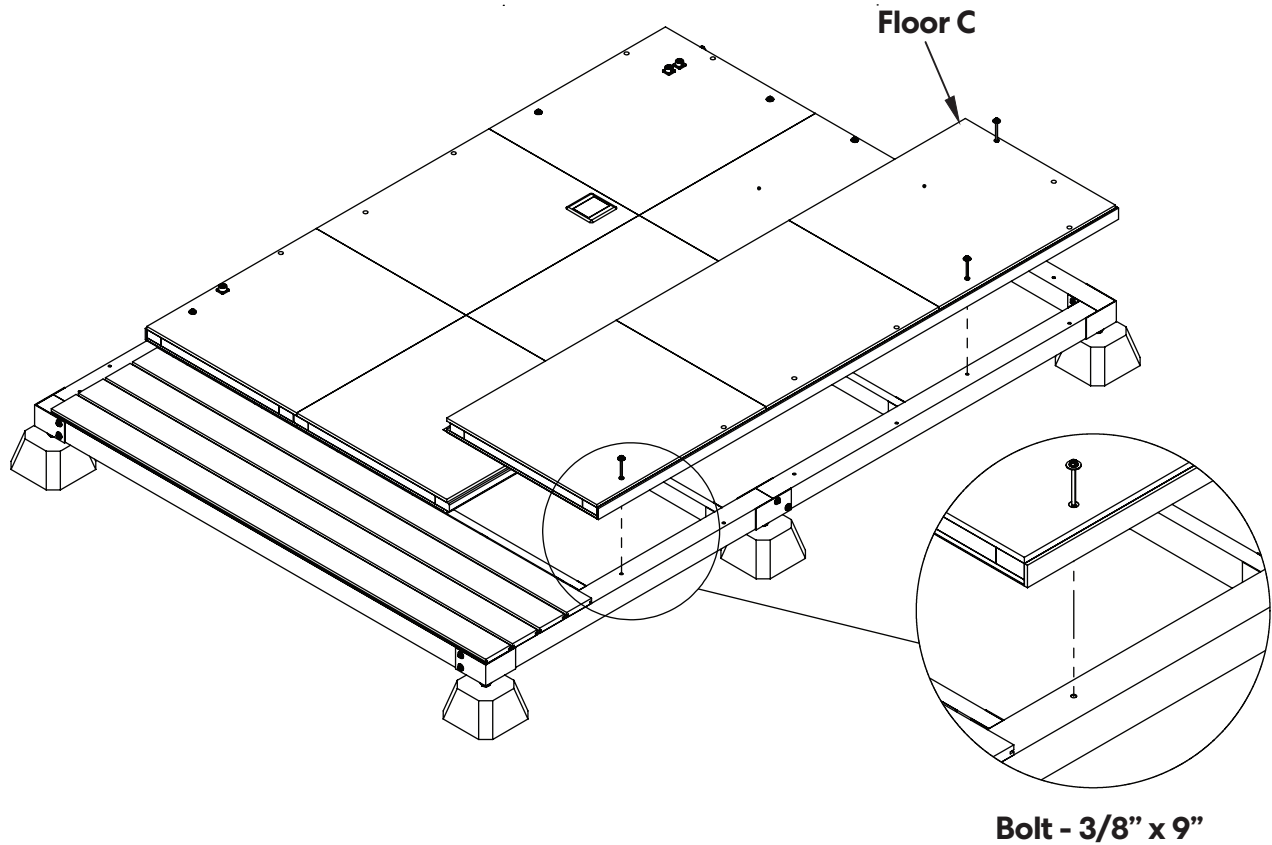
Use **Bolt - 3/8" x 9"** to position **Floor B** (there's no need to tighten the bolts), so it doesn't move when installing the following components.



# Step 10

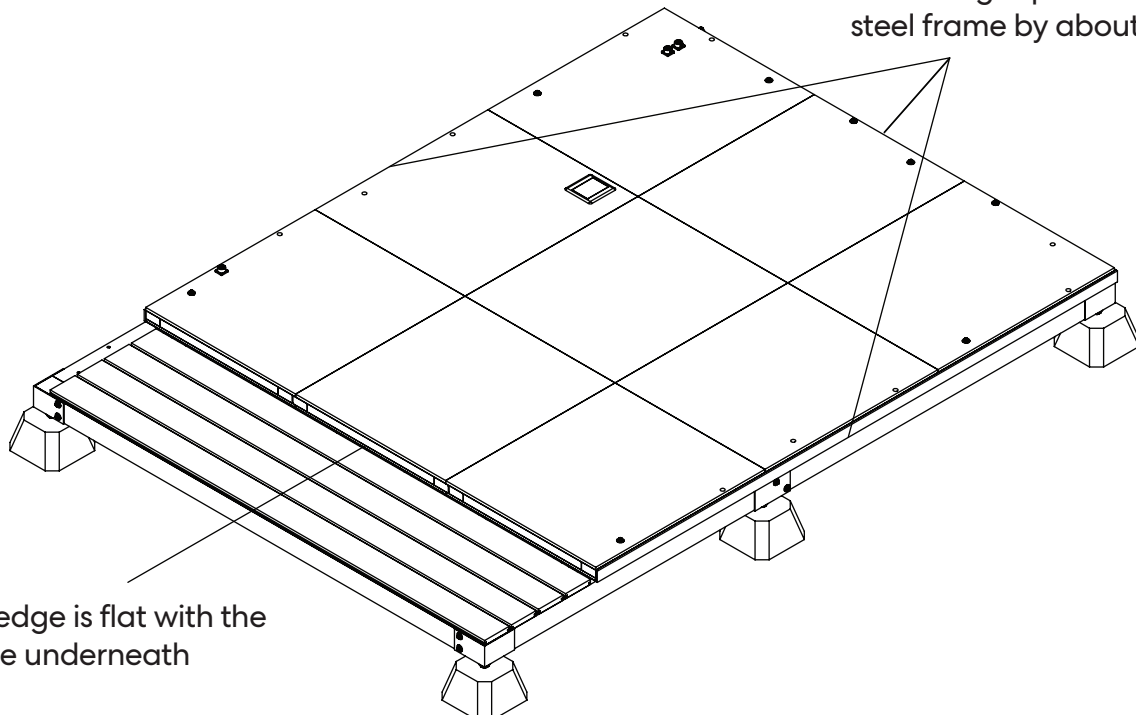
Install **Floor C**.

Use **Bolt - 3/8" x 9"** to position **Floor C** (there's no need to tighten the bolts), so it doesn't move when installing the following components.



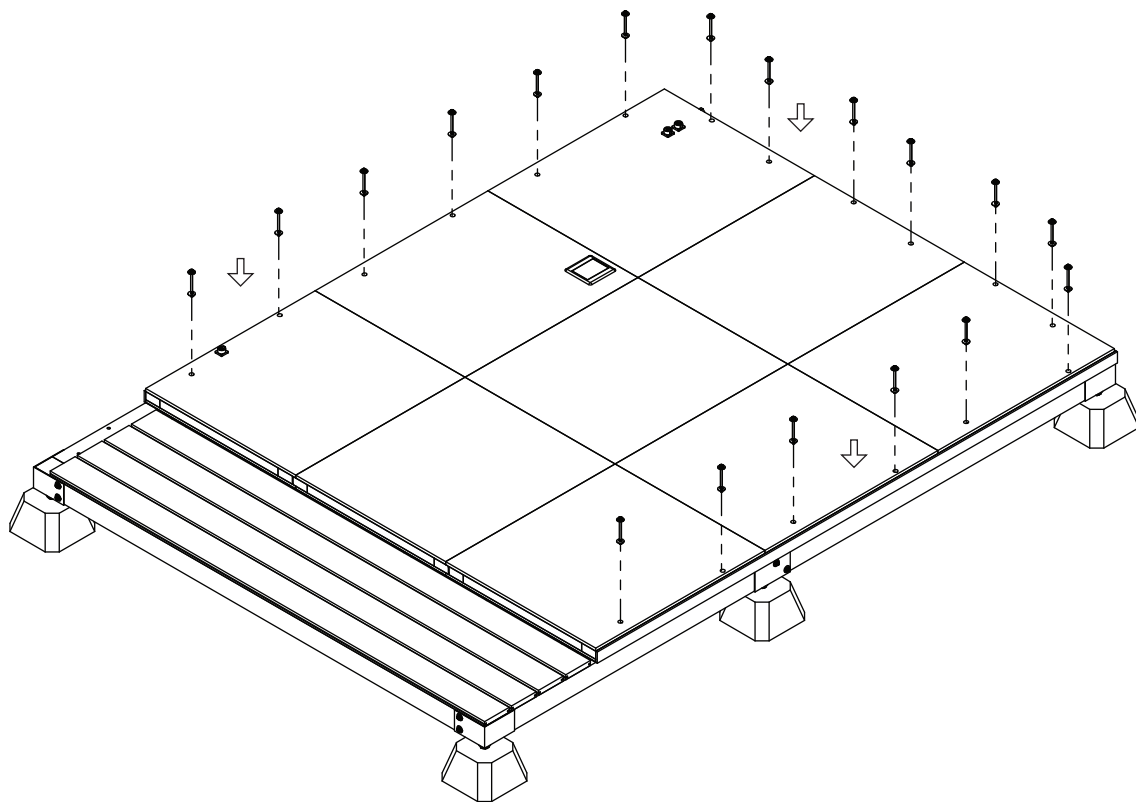
These edges protrude from the steel frame by about  $11/32"$ .

This edge is flat with the frame underneath

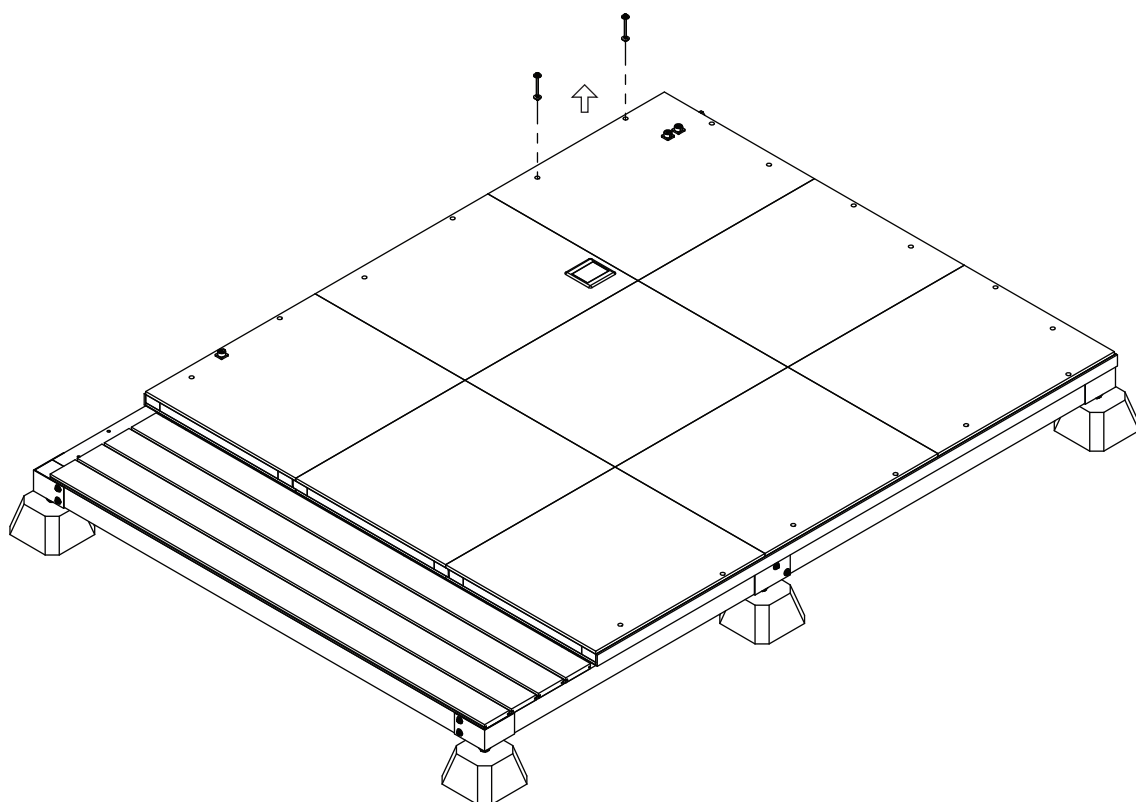


## Step 11

Use **Bolt - 3/8" x 9"** to ensure that all holes in the floor line up with the holes in the steel frame (there's no need to tighten the bolts).



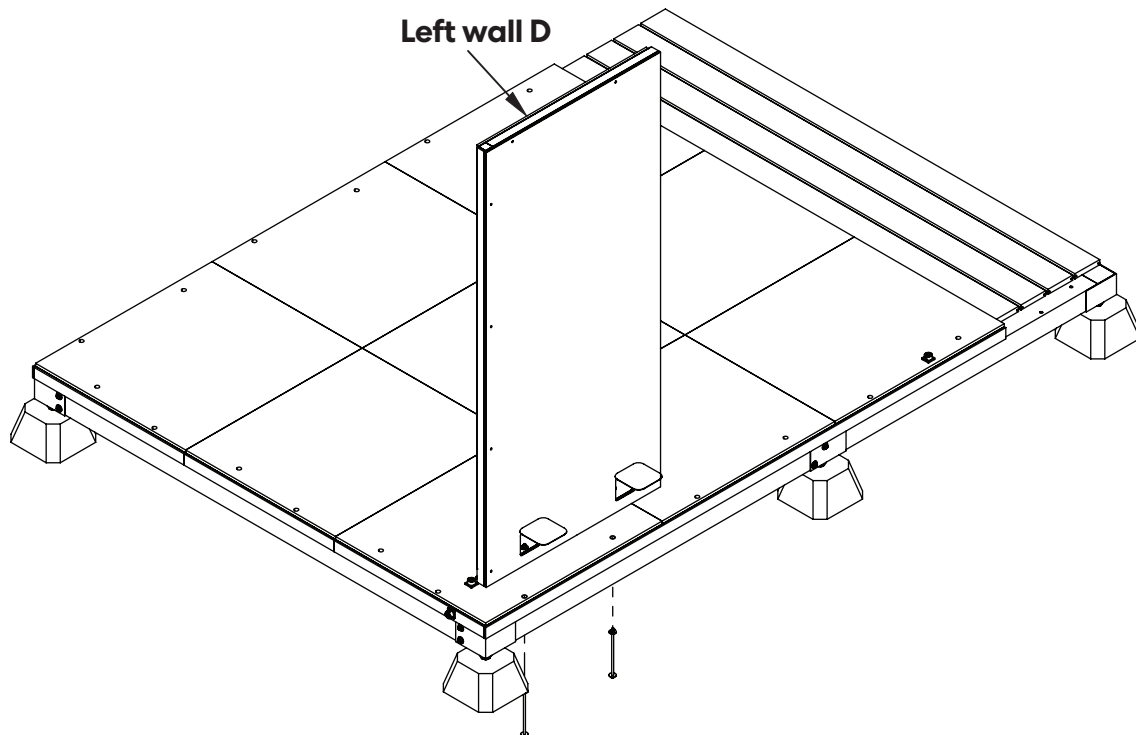
Remove the fixing bolts where the next wall will be installed.



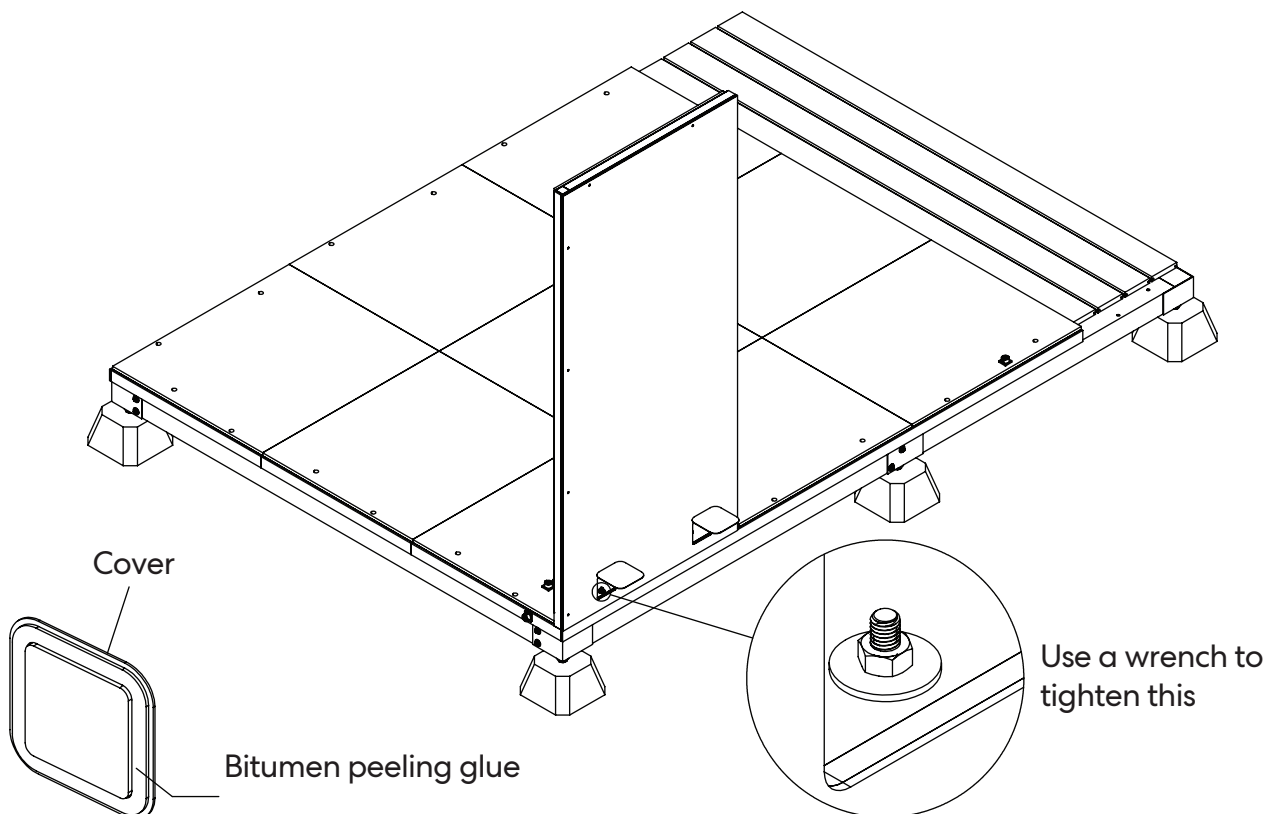
## Step 12

Install **Left wall D** - Important, make sure the wall panels are perpendicular to the floor

Position the wall in place, then open the bitumen cover to attach the connecting bolt from the floor to the wall. Use the wrench to fix it in place.



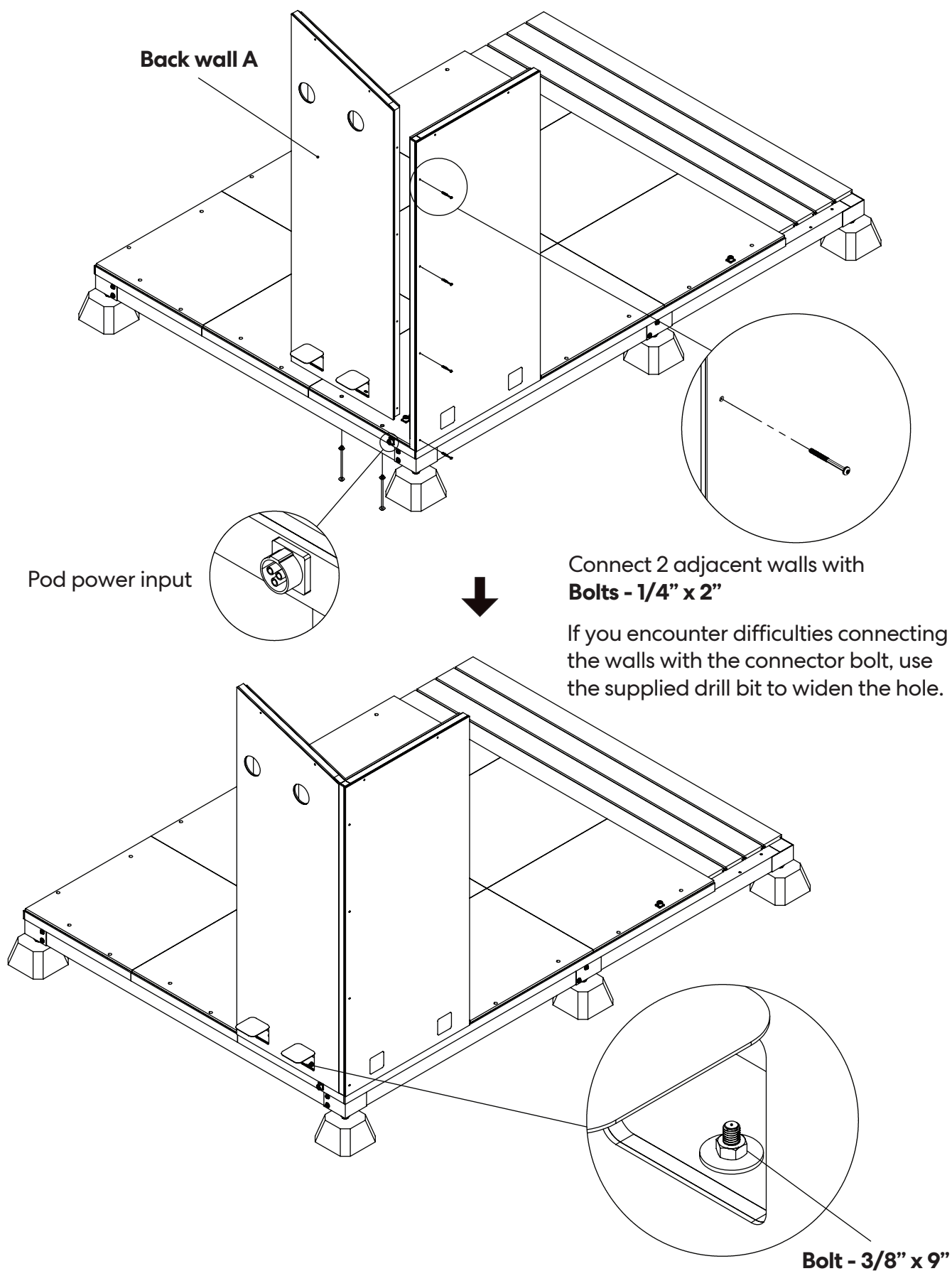
Only peel the glue off the cover and stick it in place after Step 29 is completed.



## Step 13

Install **Back wall A** - Important, make sure the wall panels are perpendicular to the floor

Position the wall in place, then open the bitumen cover to attach the connecting bolt from the floor to the wall. Use the wrench to fix it in place.

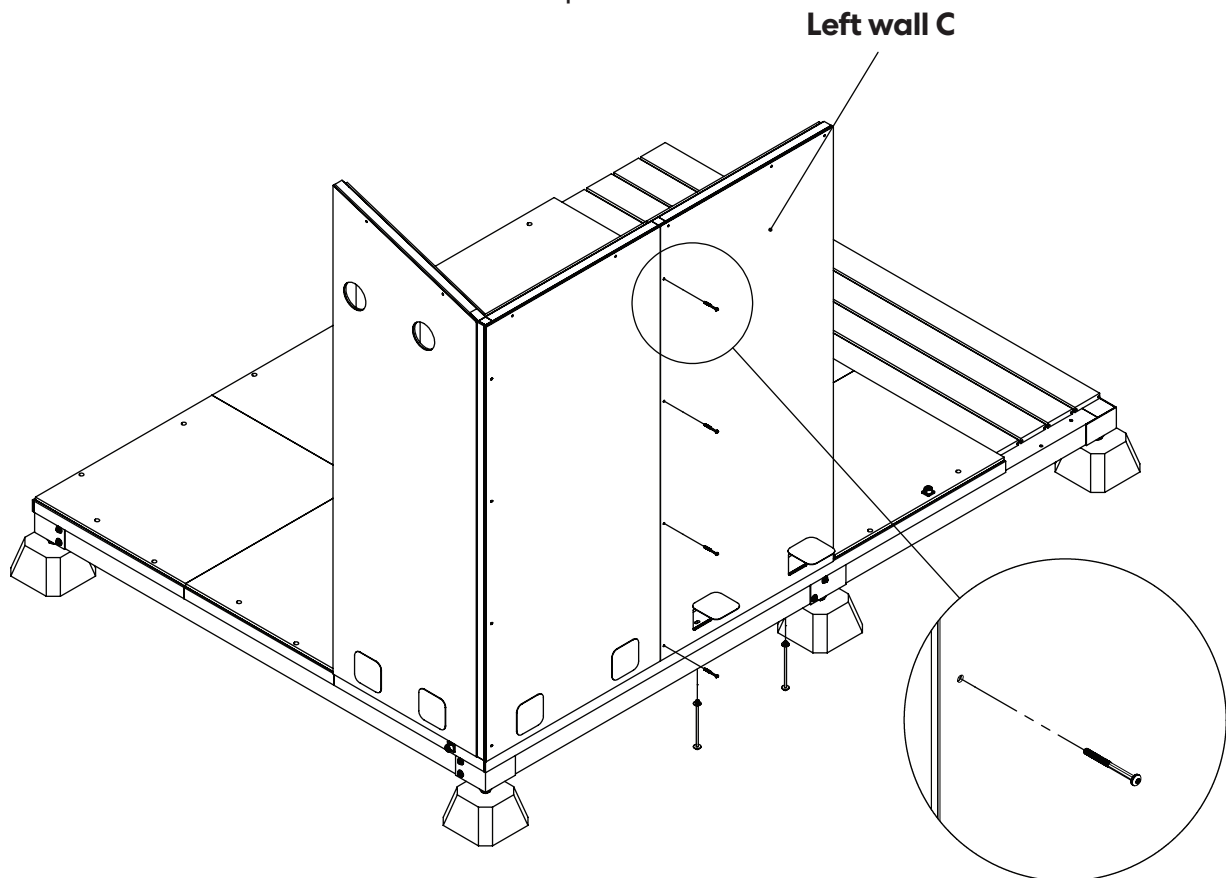




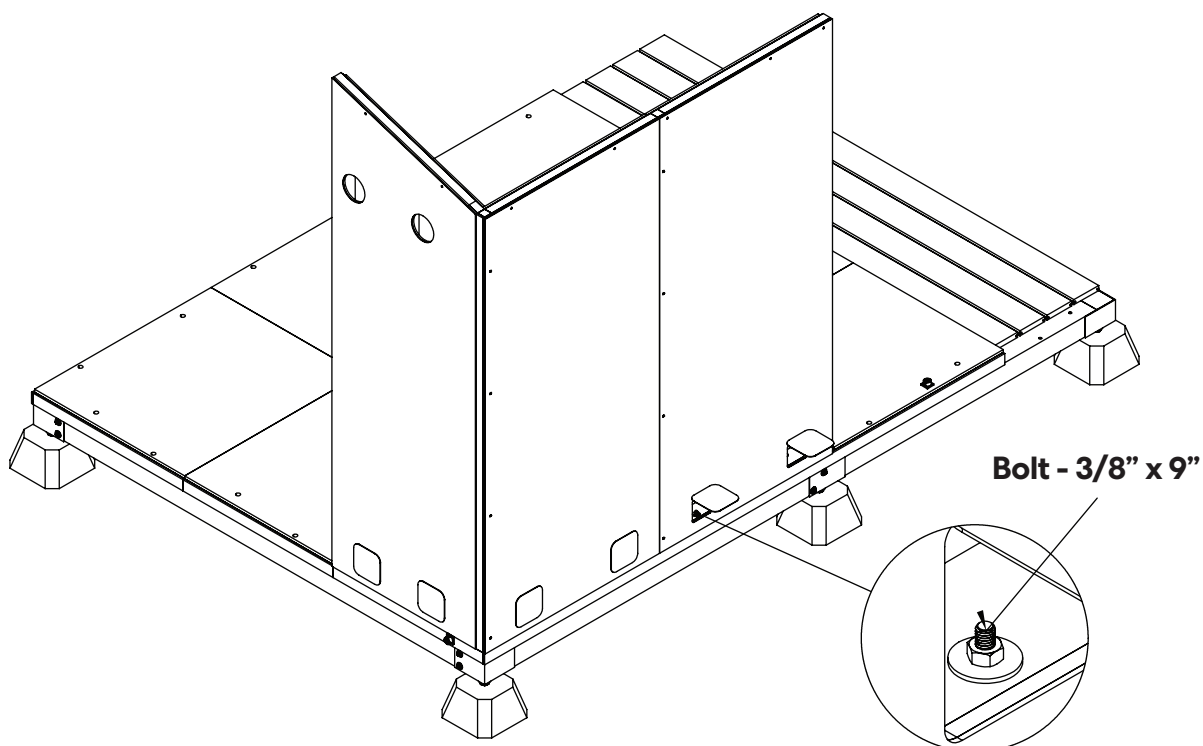
## Step 14

Install **Left wall C** - Important, make sure the wall panels are perpendicular to the floor

Position the wall in place, then open the bitumen cover to attach the connecting bolt from the floor to the wall. Use the wrench to fix it in place.

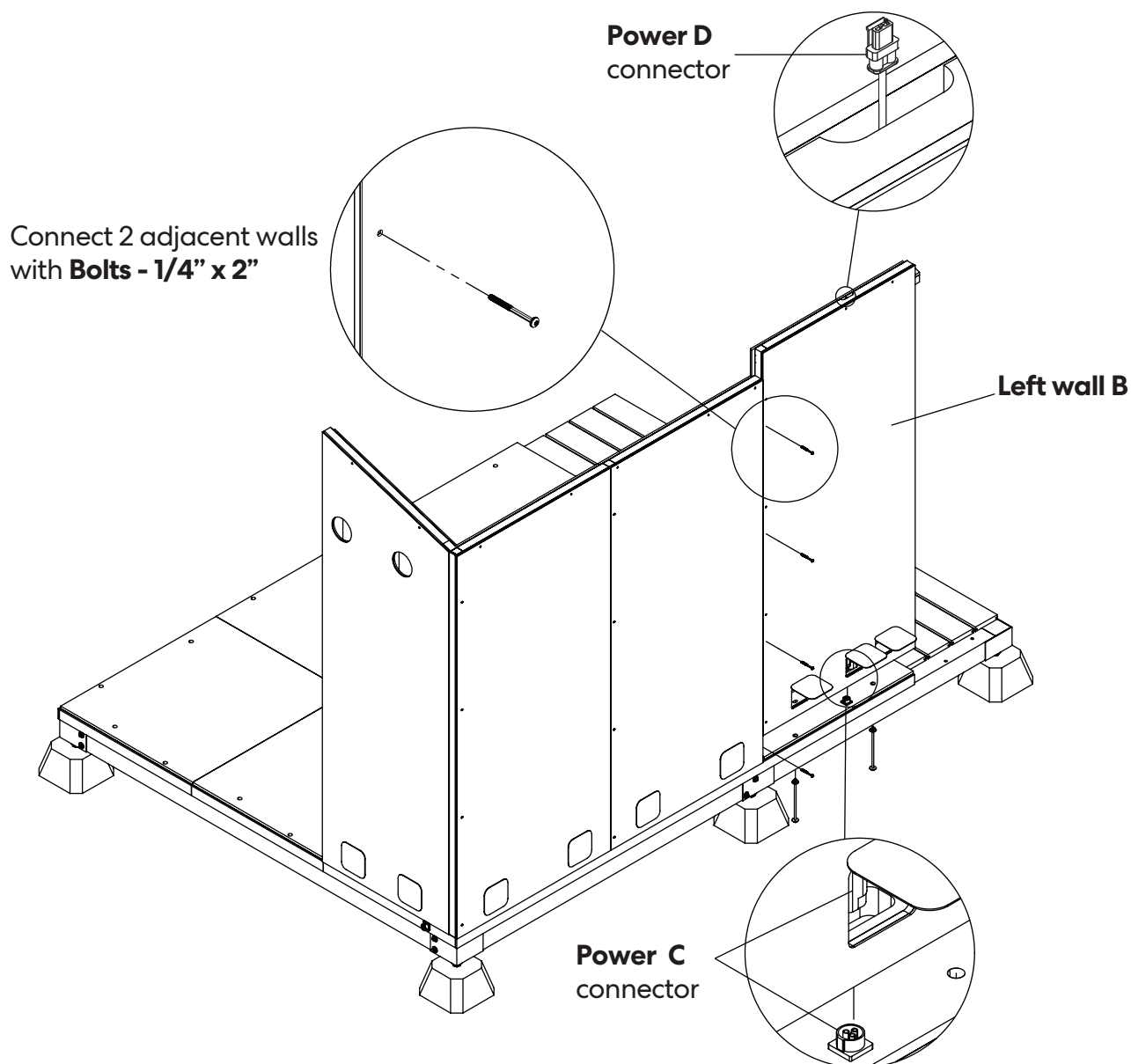


Connect 2 adjacent walls with **Bolts - 1/4" x 2"**



## Step 15

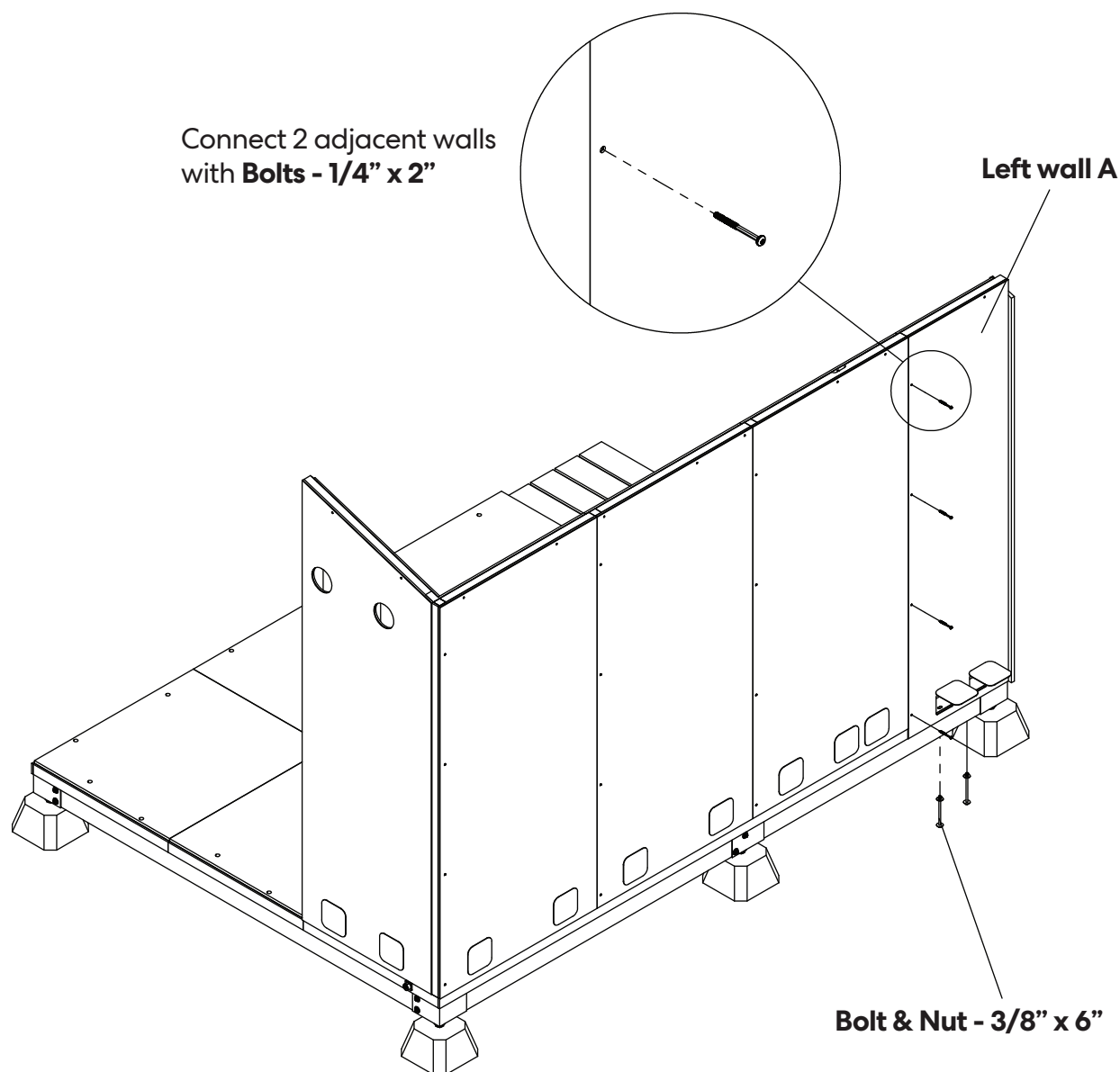
Install **Left wall B** - Important, make sure the wall panels are perpendicular to the floor  
Position the wall in place, then open the bitumen cover to attach the connecting bolt from the floor to the wall. Use the wrench to fix it in place.



Note where **Power C** connector is located on the floor and carefully align **Left Wall B** with it. Once the wall is in place, open the bitumen cover and connect the **Power C** male connector on the wall to the **Power C** female connector on the floor.

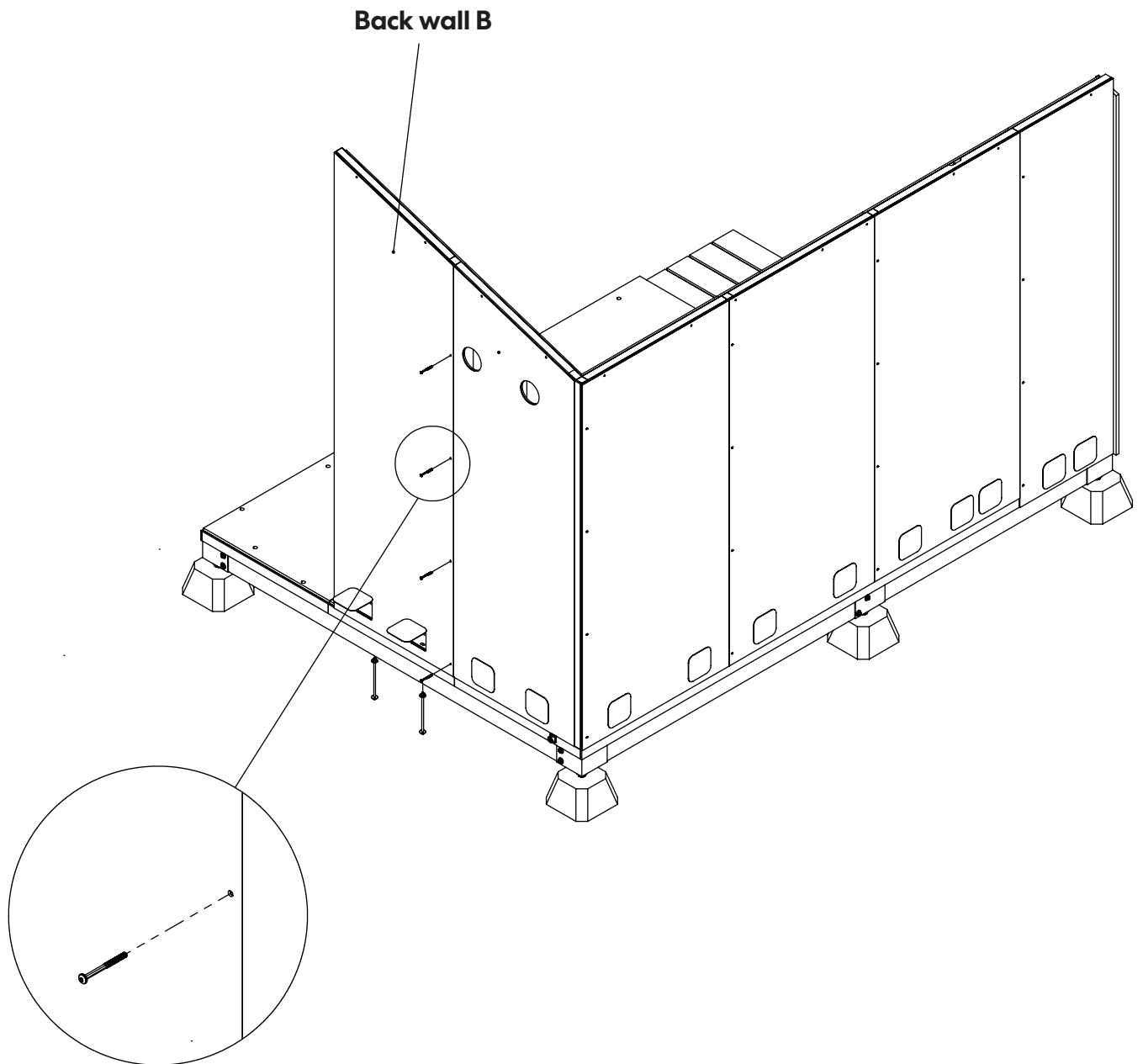
## Step 16

Install **Left wall A**. - Important, make sure the wall panels are perpendicular to the floor  
Position the wall in place, then open the bitumen cover to attach the connecting bolt from the floor to the wall. Use the wrench to fix it in place.



## Step 17

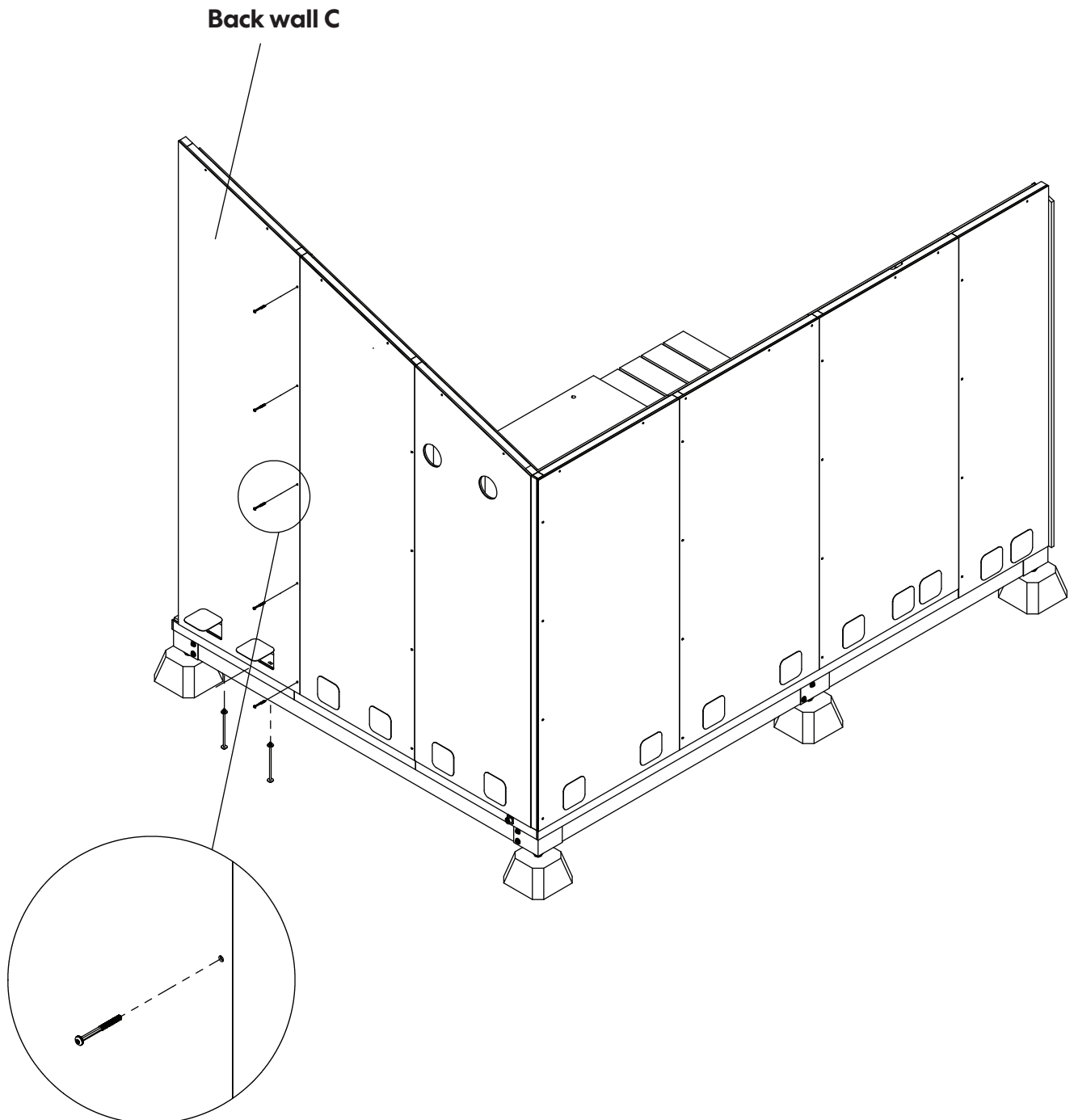
Install **Back wall B** - Important, make sure the wall panels are perpendicular to the floor  
Position the wall in place, then open the bitumen cover to attach the connecting bolt from the floor to the wall. Use the wrench to fix it in place.



Connect 2 adjacent walls  
with **Bolts - 1/4" x 2"**

## Step 18

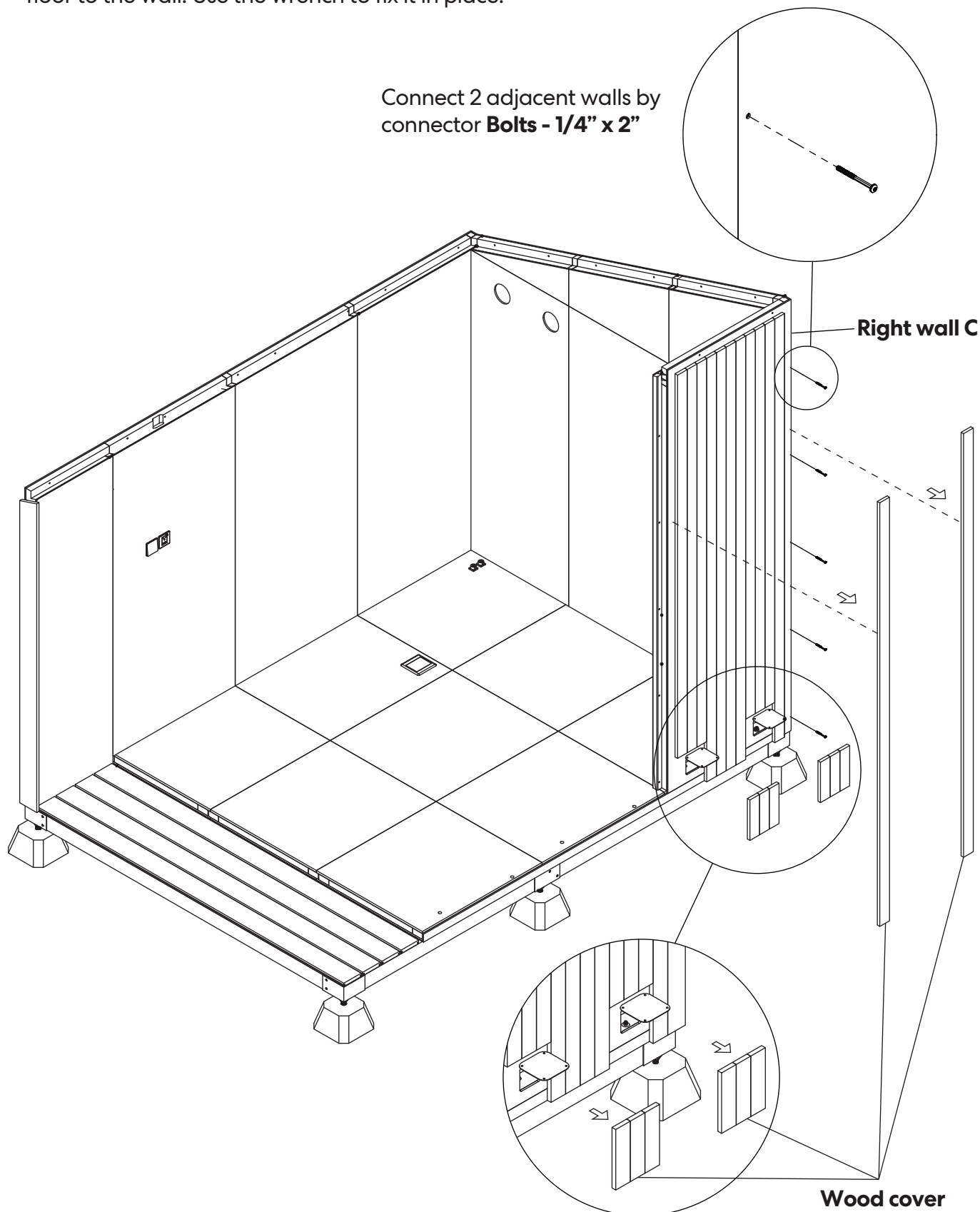
Install **Back wall C** - Important, make sure the wall panels are perpendicular to the floor  
Position the wall in place, then open the bitumen cover to attach the connecting bolt from the floor to the wall. Use the wrench to fix it in place.



Connect 2 adjacent walls  
with **Bolts - 1/4" x 2"**

## Step 19

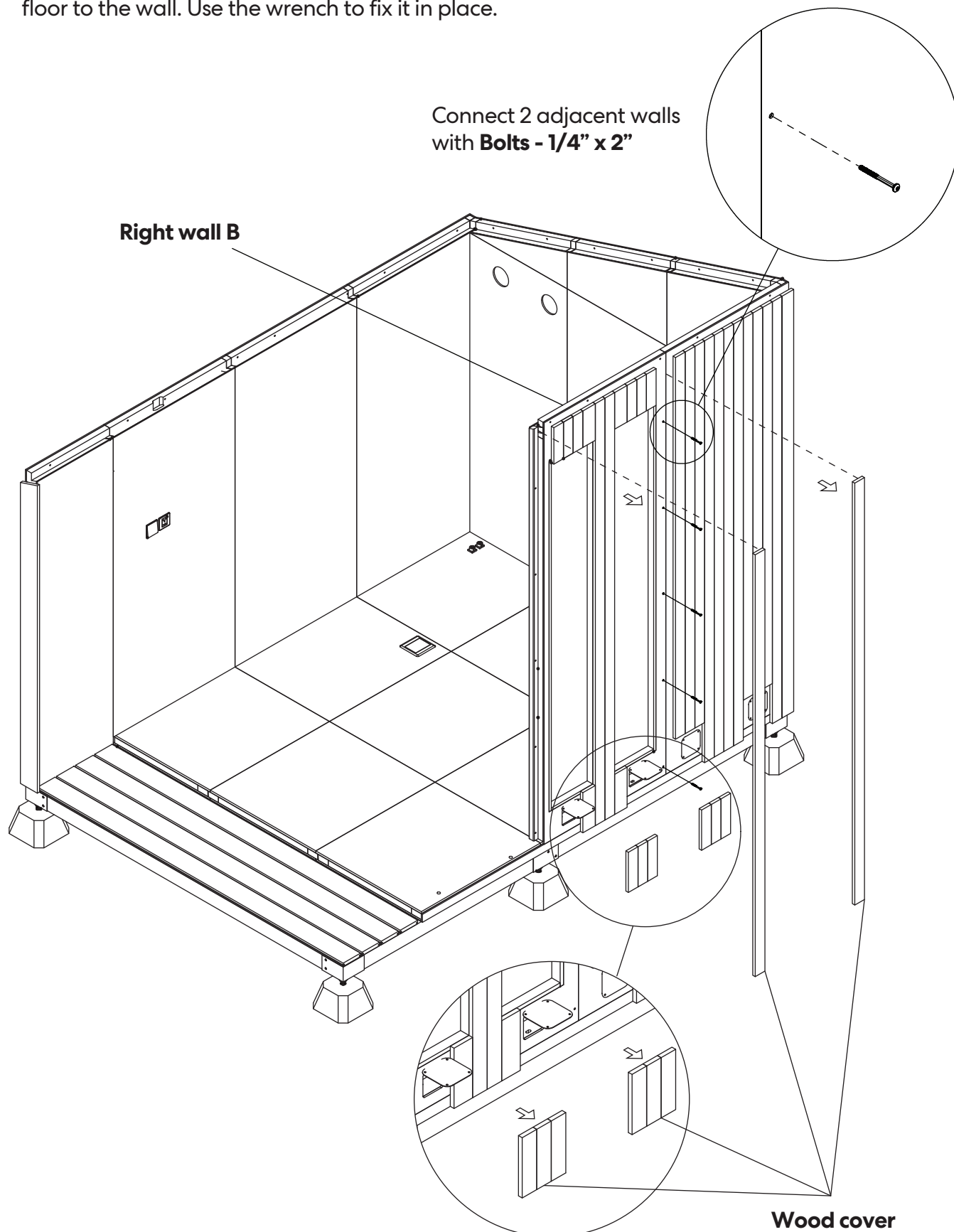
Install **Right wall C**. - Important, make sure the wall panels are perpendicular to the floor  
Position the wall in place, then open the bitumen cover to attach the connecting bolt from the floor to the wall. Use the wrench to fix it in place.



Temporarily remove the wood cover for the joints. Replace after installation is complete and bitumen cover is glued.

## Step 20

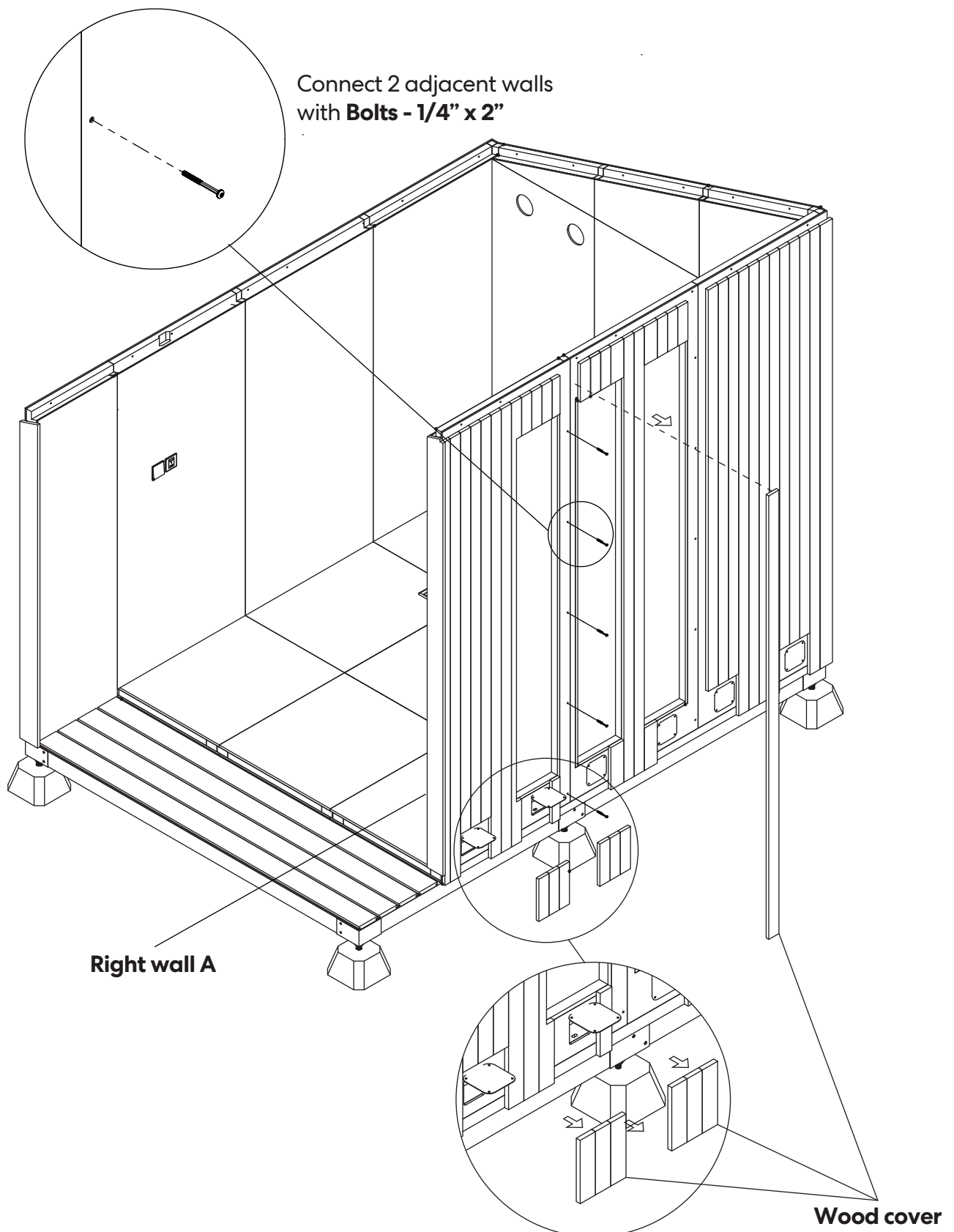
Install **Right wall B** - Important, make sure the wall panels are perpendicular to the floor  
Position the wall in place, then open the bitumen cover to attach the connecting bolt from the floor to the wall. Use the wrench to fix it in place.



Temporarily remove the wood cover for the joints. Replace after installation is complete and bitumen cover is glued.

## Step 21

Install **Right wall A** - Important, make sure the wall panels are perpendicular to the floor  
Position the wall in place, then open the bitumen cover to attach the connecting bolt from the floor to the wall. Use the wrench to fix it in place.



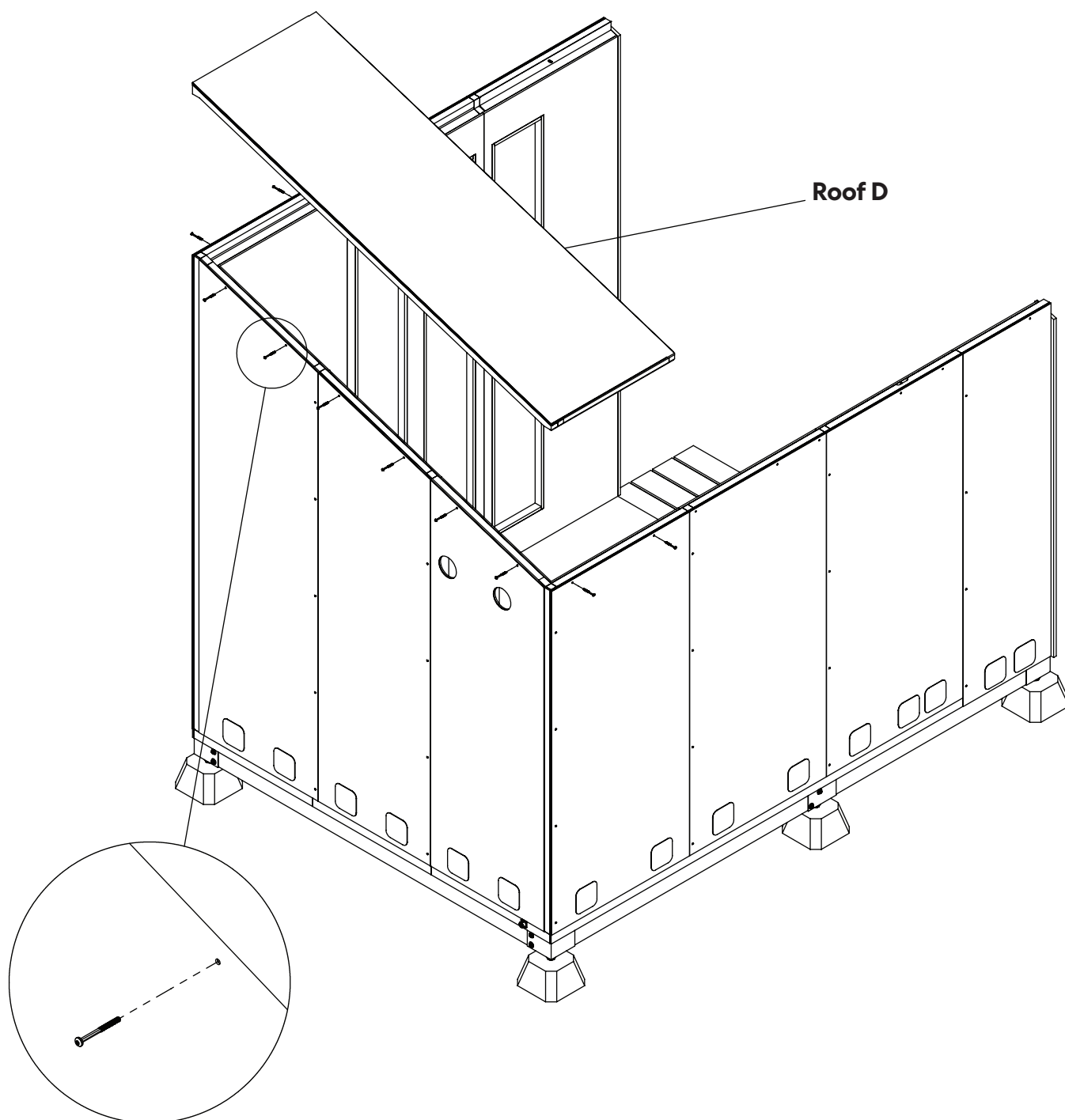
Temporarily remove the wood cover for the joints. Replace after installation is complete and bitumen cover is glued.



## Step 22

Install **Roof D**.

Position the the roof in place, connecting all joints with connector bolts.

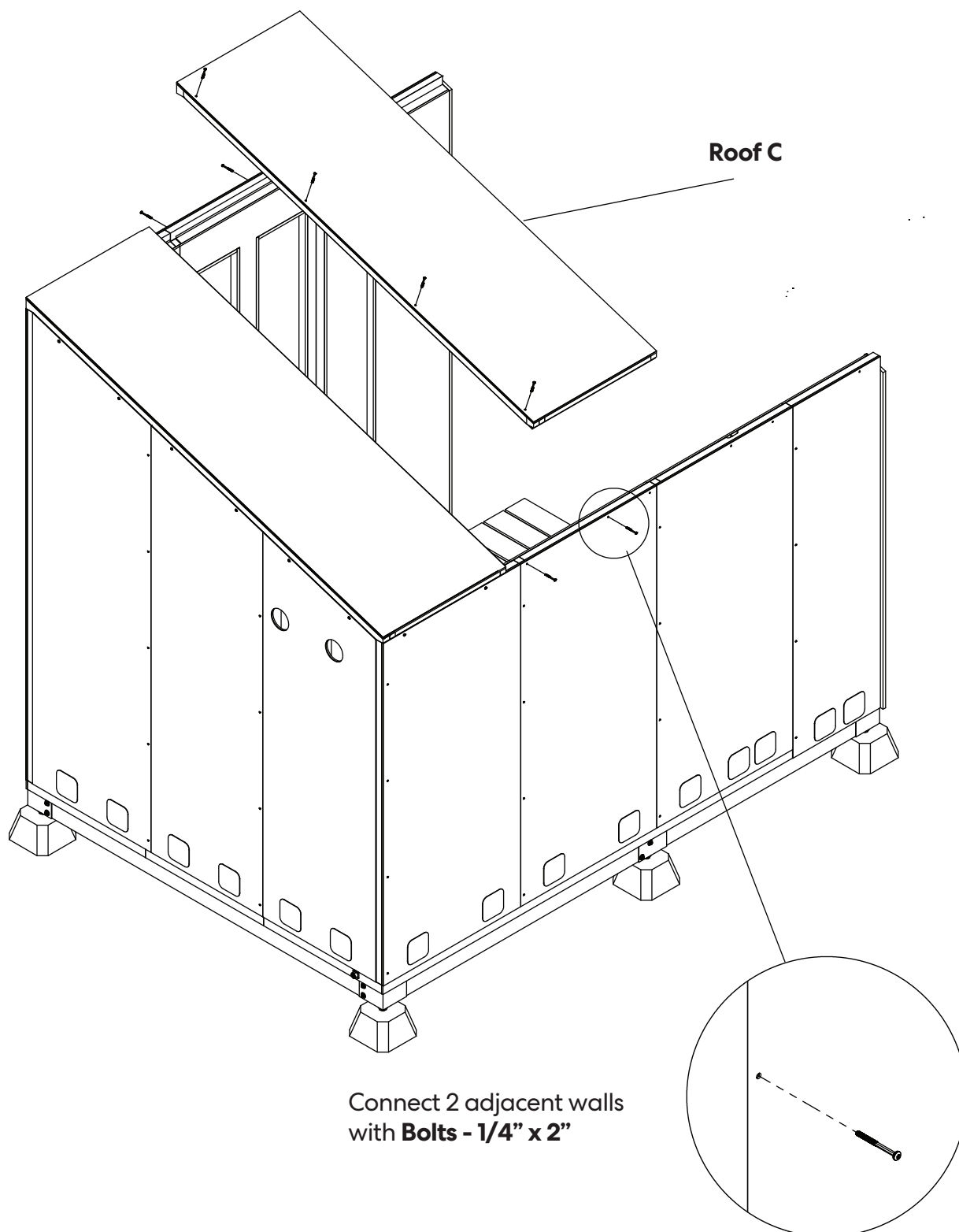


Connect 2 adjacent walls by  
connector **Bolts - 1/4" x 2"**

## Step 23

Install **Roof C**.

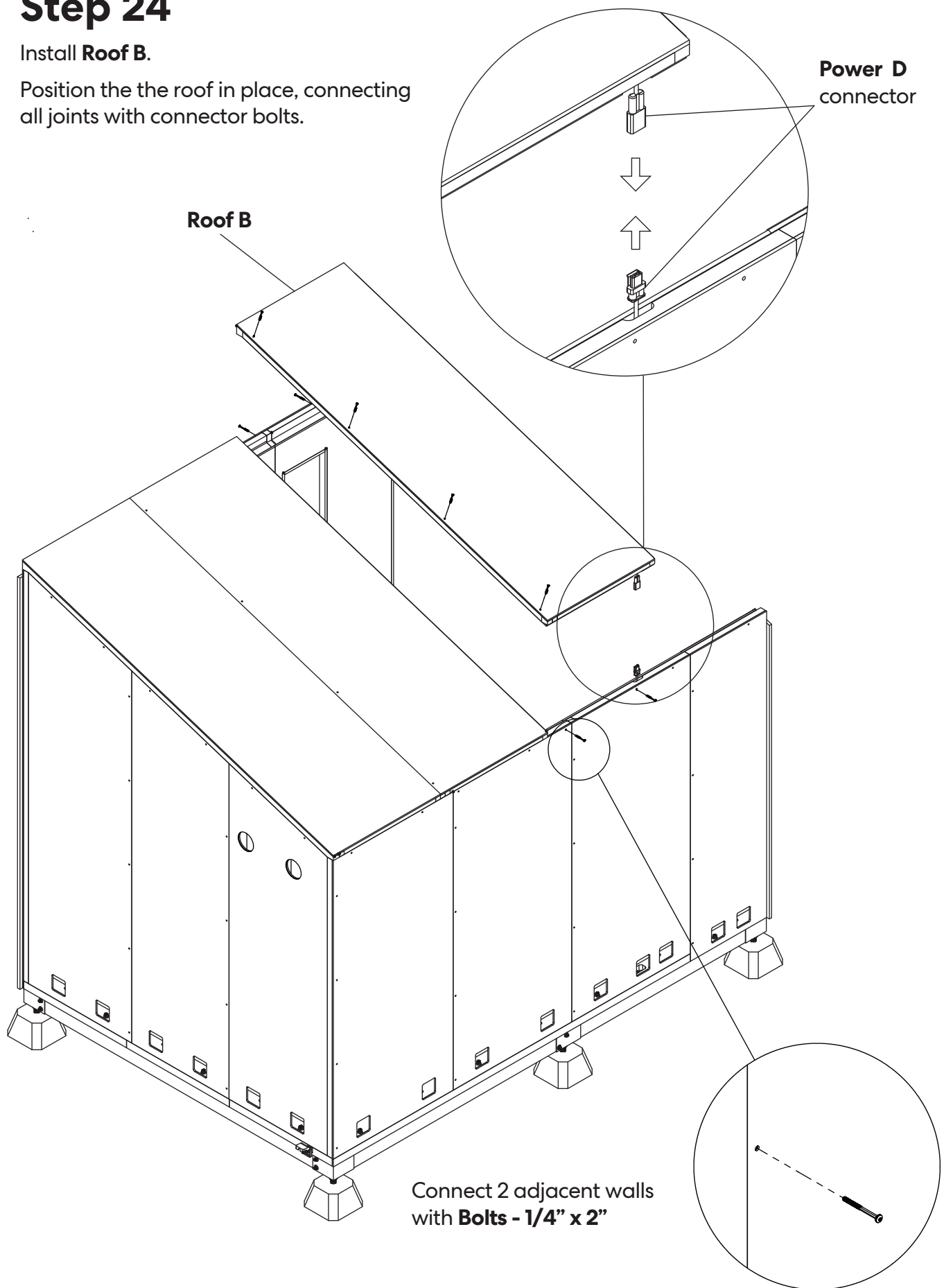
Position the the roof in place, connecting all joints with connector bolts.



## Step 24

Install **Roof B**.

Position the the roof in place, connecting all joints with connector bolts.

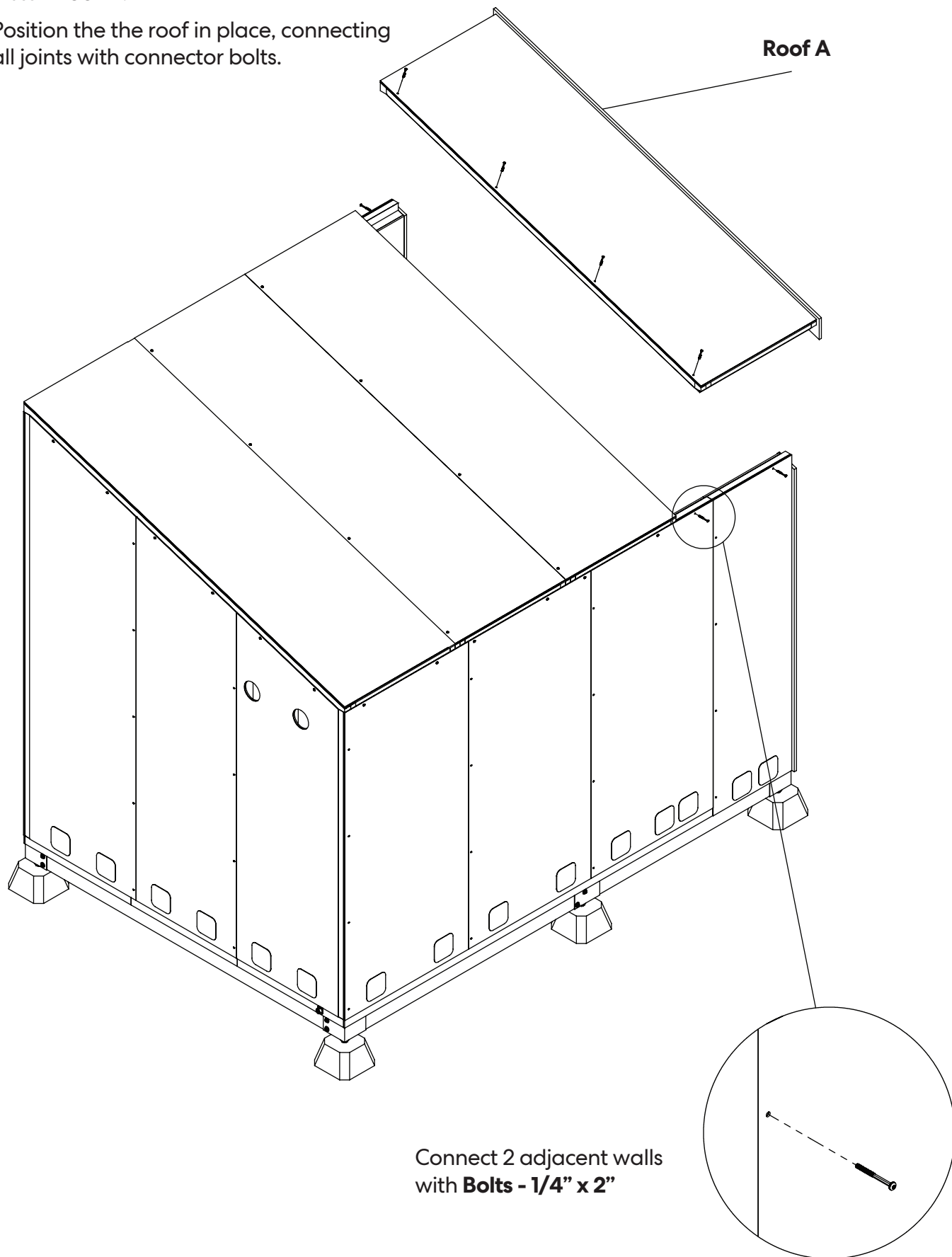


Connect the **Power D** male connector on the wall to the **Power D** female connector on the roof before carefully placing **Roof B** in position.

## Step 25

Install **Roof A**.

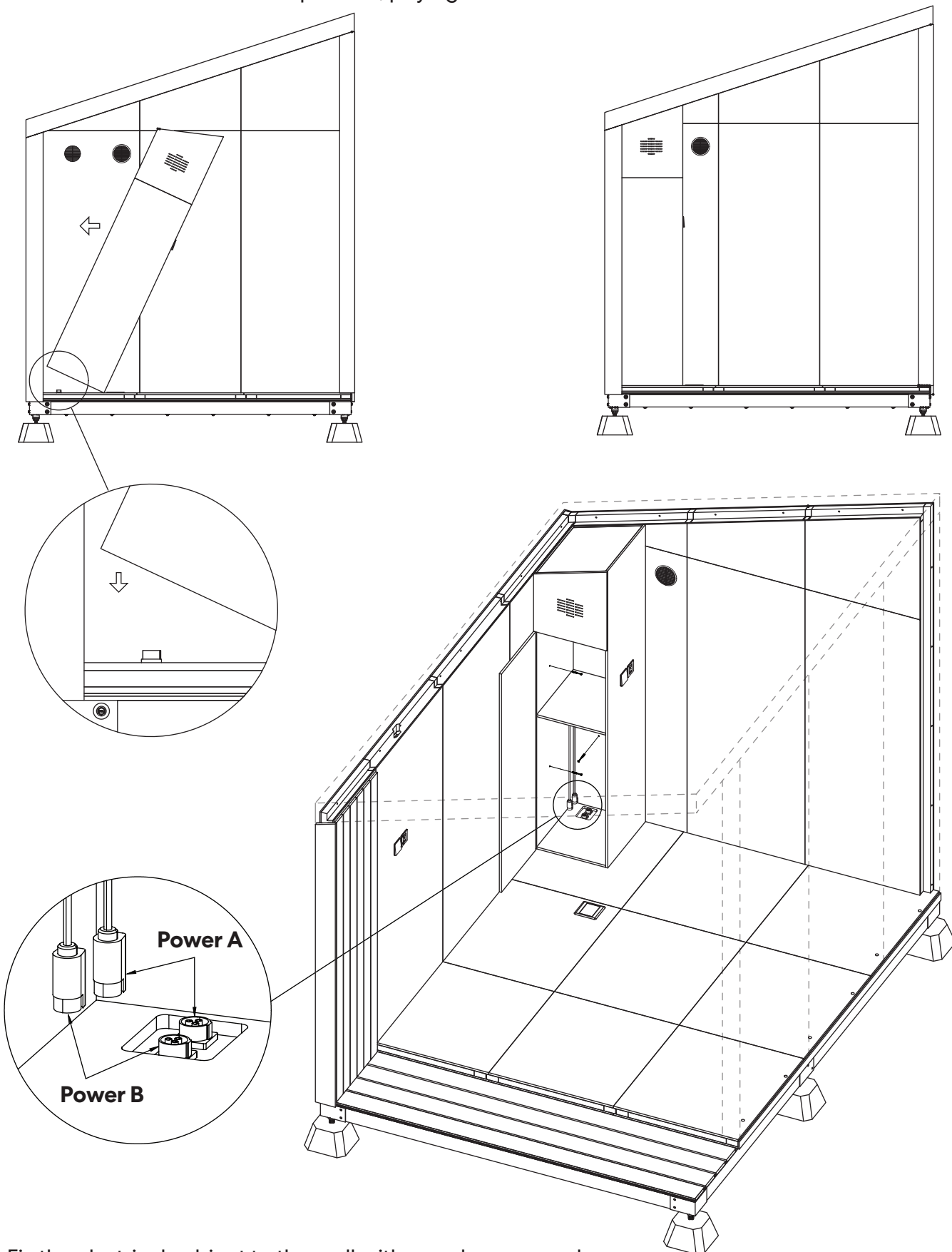
Position the the roof in place, connecting all joints with connector bolts.



## Step 26

Install **Electrical cabinet**.

Tilt the **Electrical cabinet** into position, paying attention to the electrical connector on the floor.

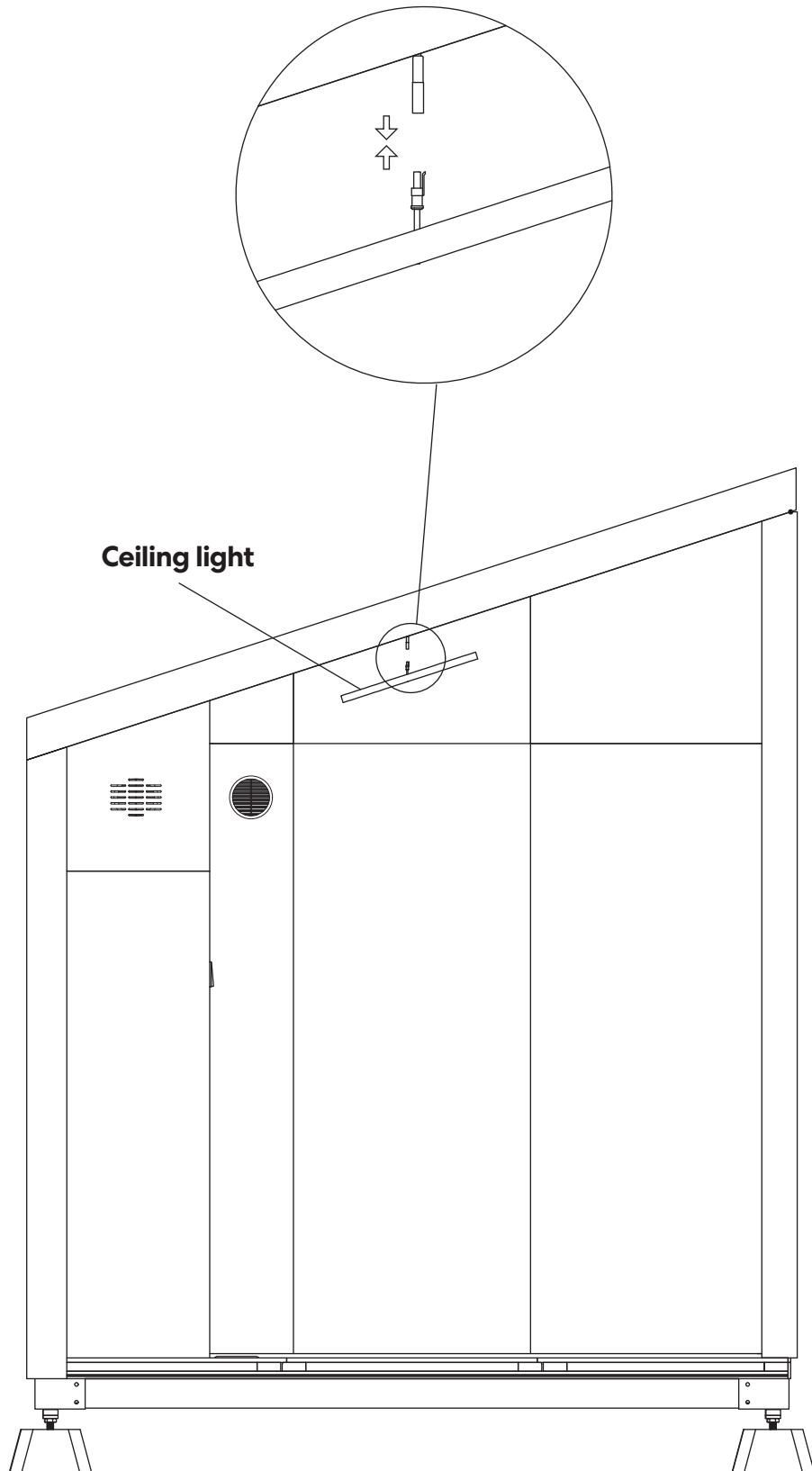


Fix the electrical cabinet to the wall with wood screws and connect the electrical connectors according to their labels.

# Step 27

Install **Ceiling light**.

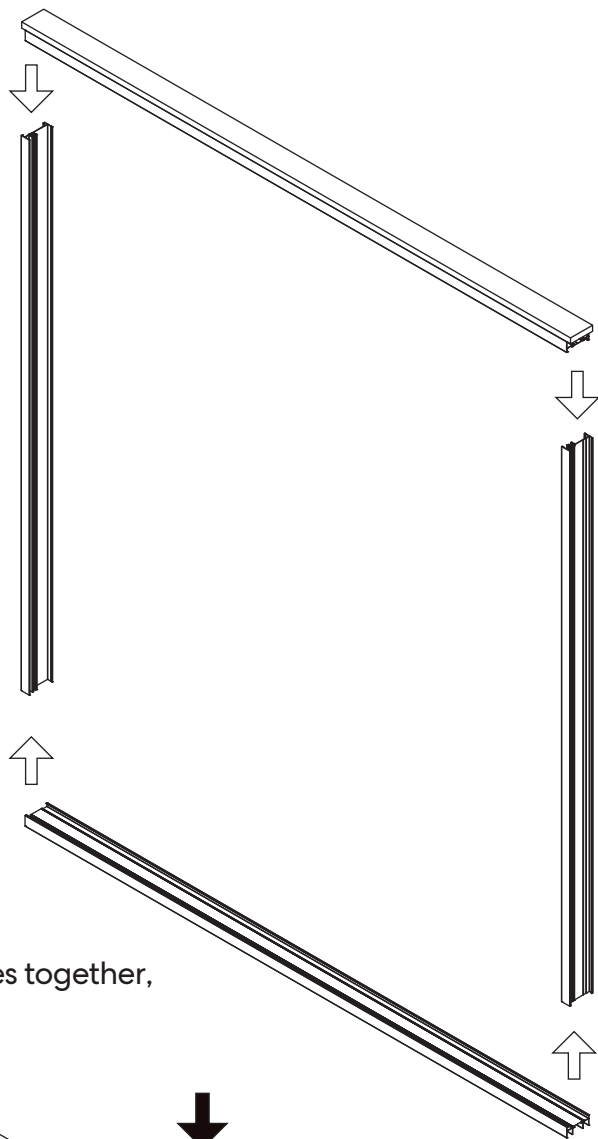
Connect the **Ceiling light** to the electrical connector of **Roof B**.



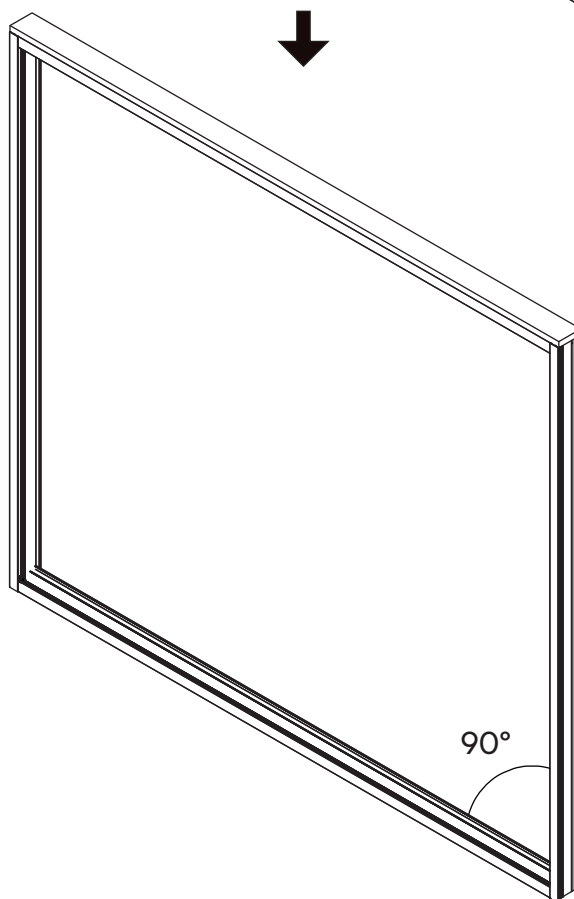
# Step 28

Install **Glass door**

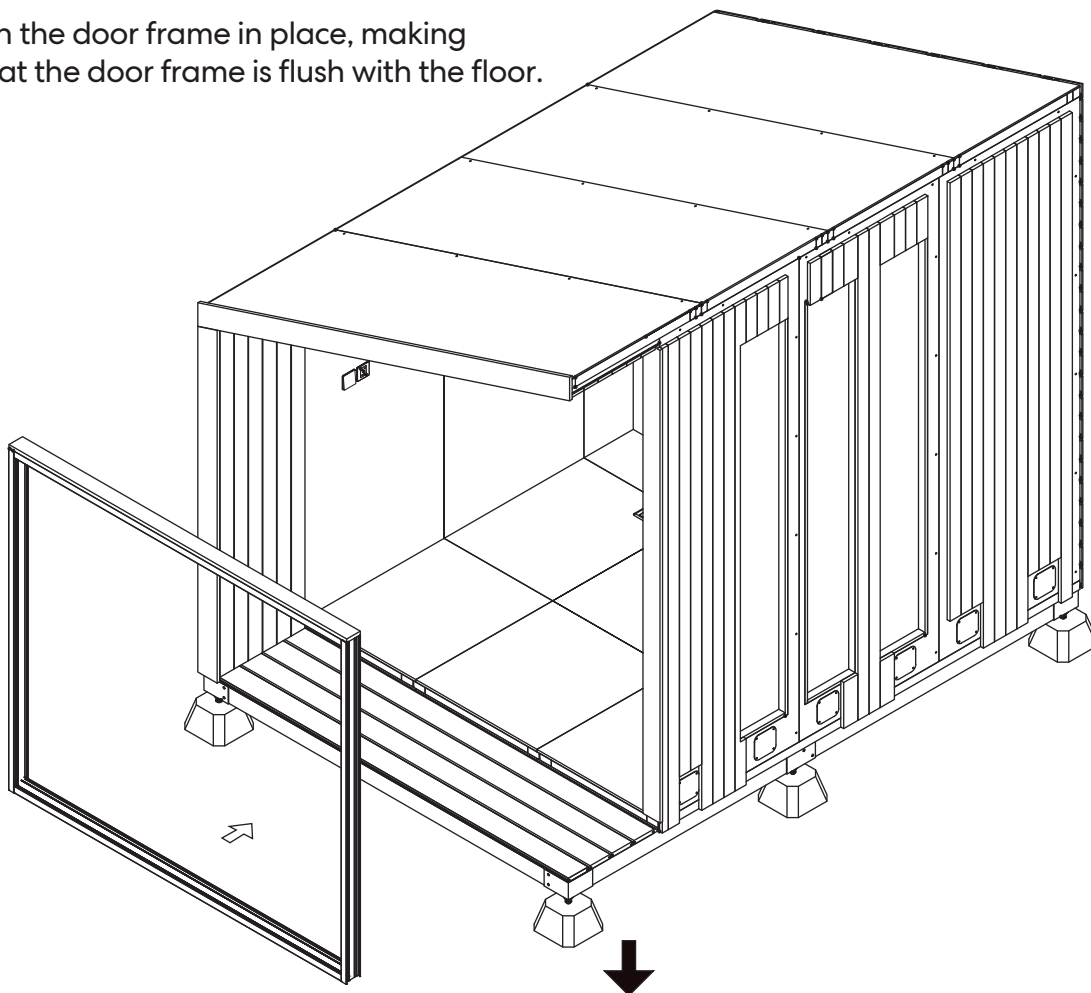
**1. Assemble the aluminum door frame.**



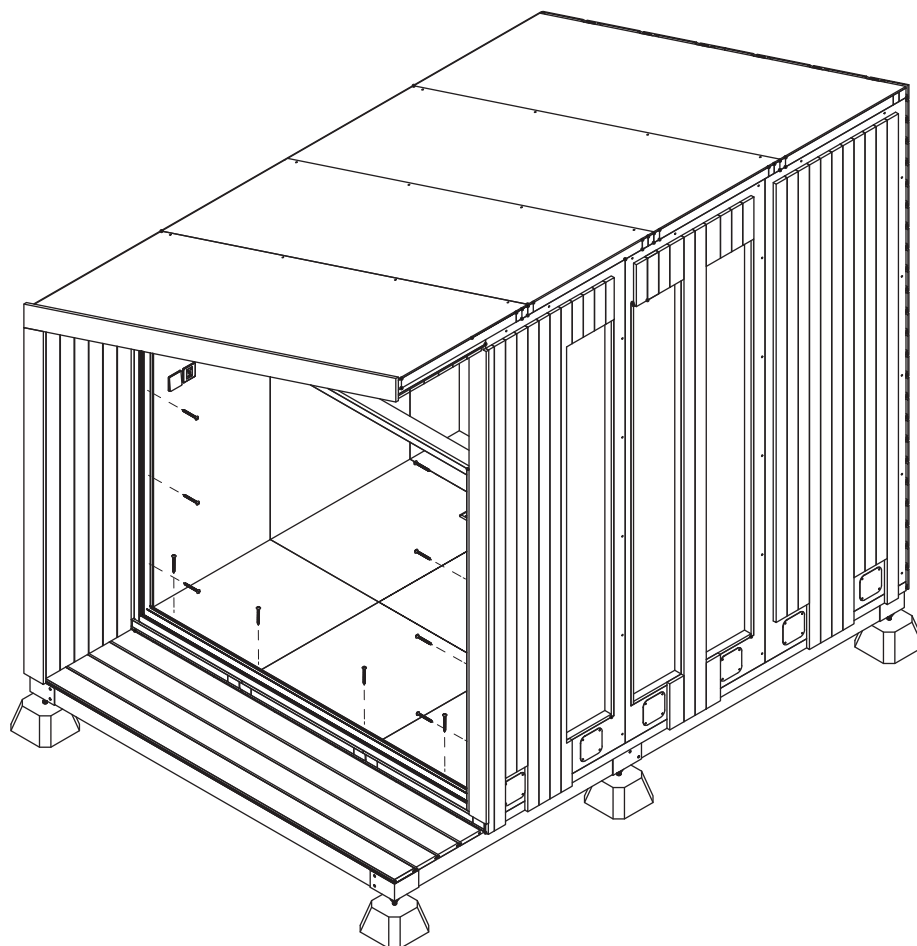
Use the included accessories to link the frames together, making sure that the corners are square.



Position the door frame in place, making sure that the door frame is flush with the floor.

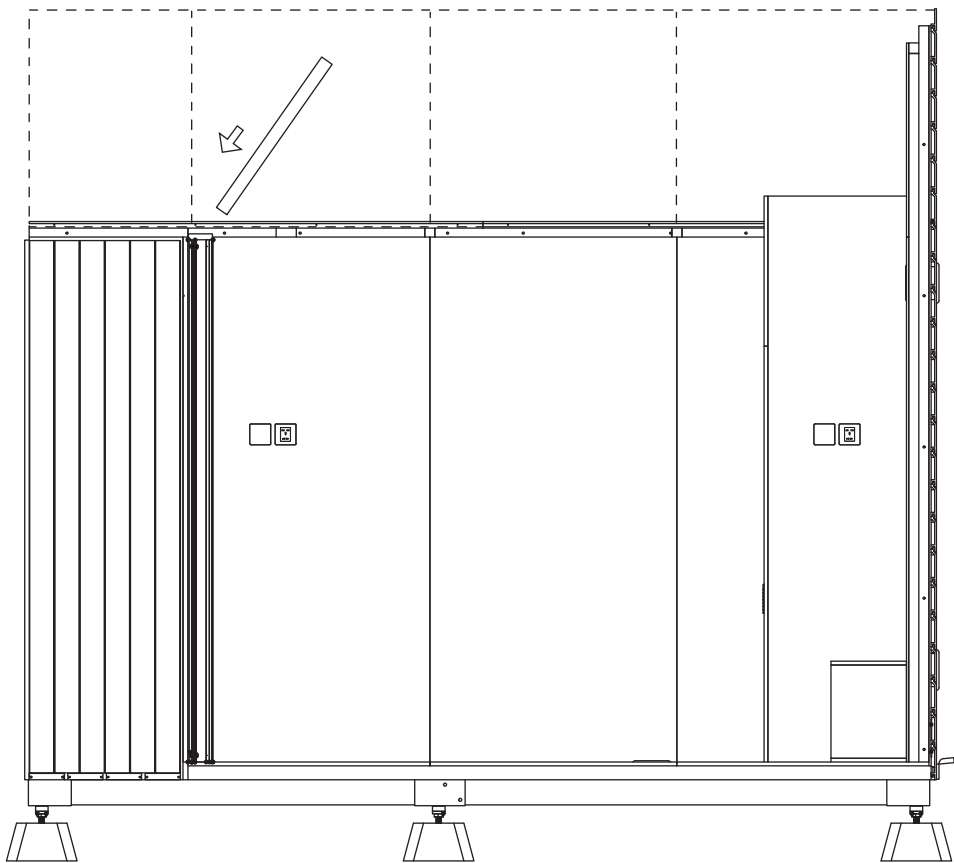


Fix the frame to the wall with wood screws

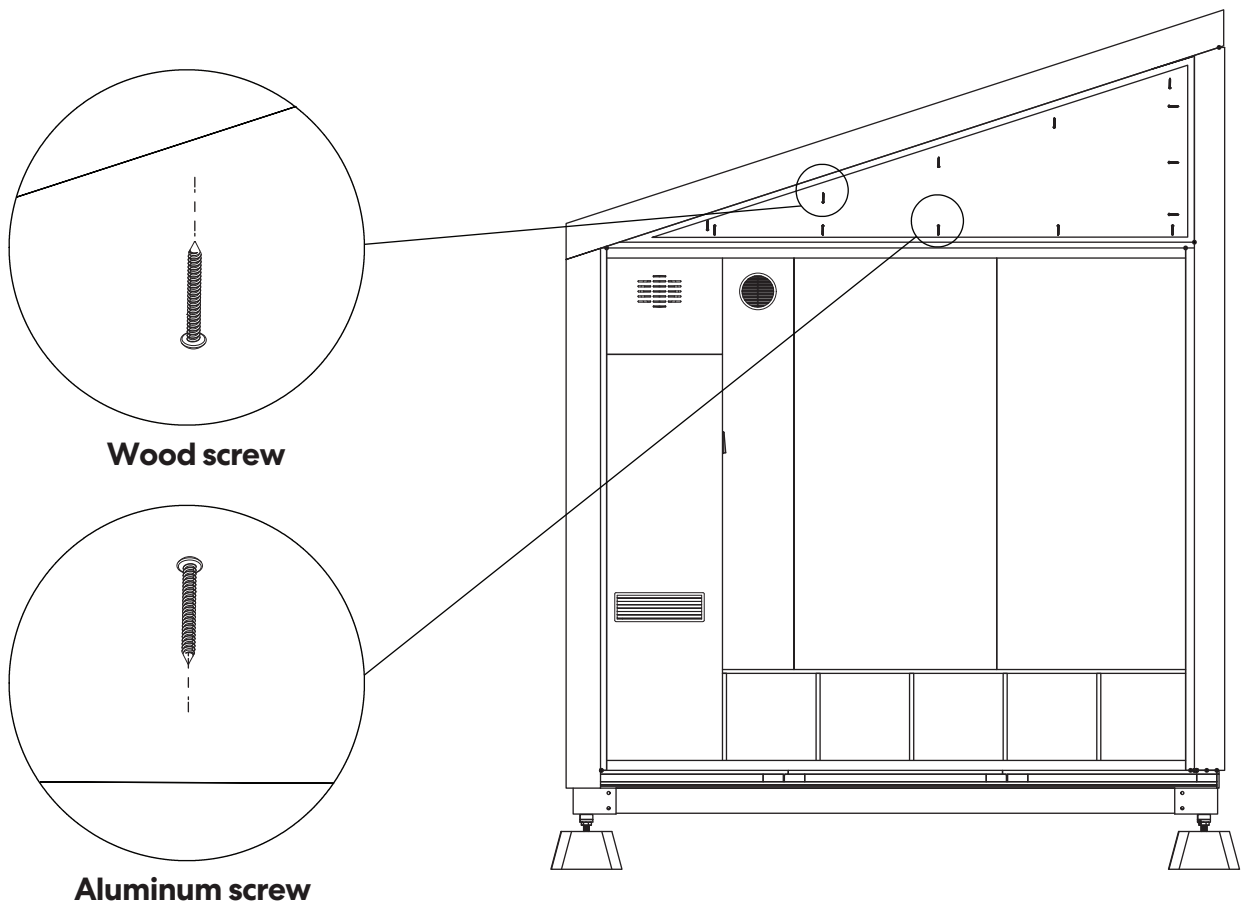




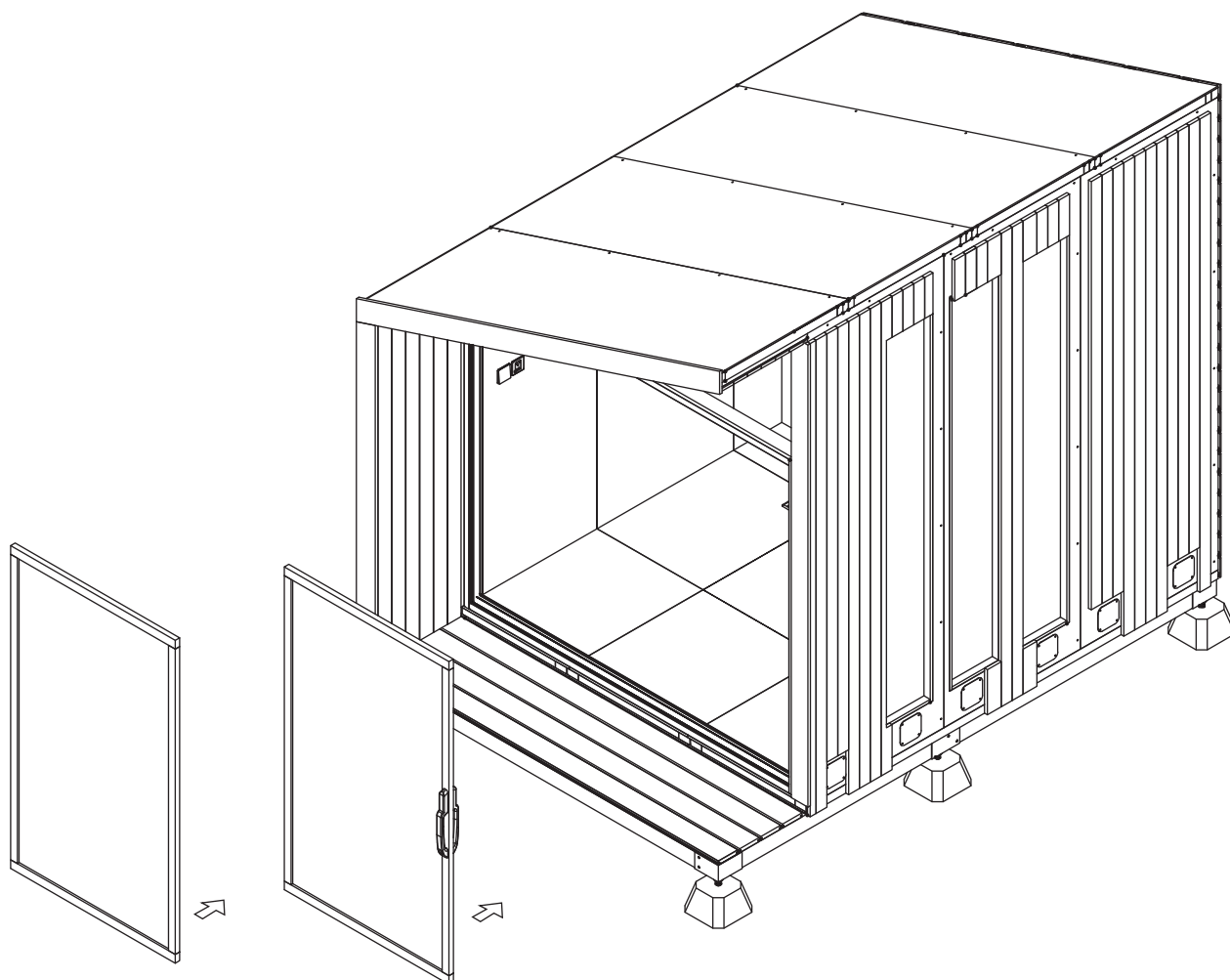
2. Tilt the triangle glass frame into position from inside Pod.



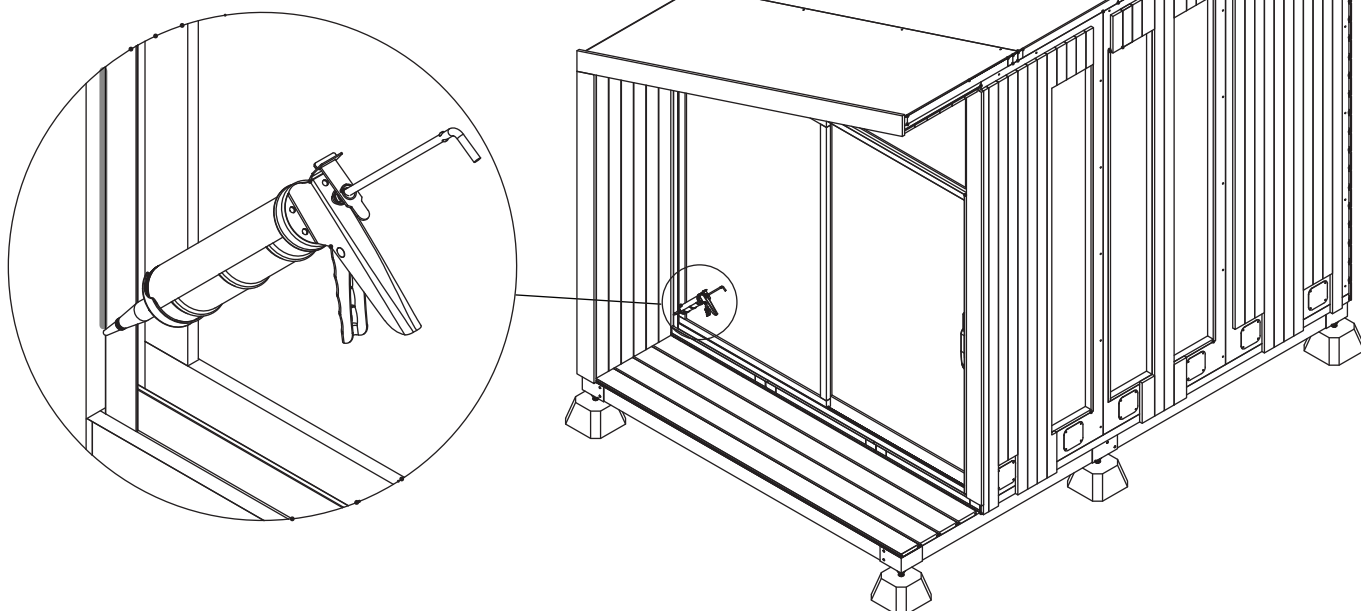
Fix the frame to the wall with wood screws



3. First install the door with the handle to the inner rail, then install the other door to the outer rail.

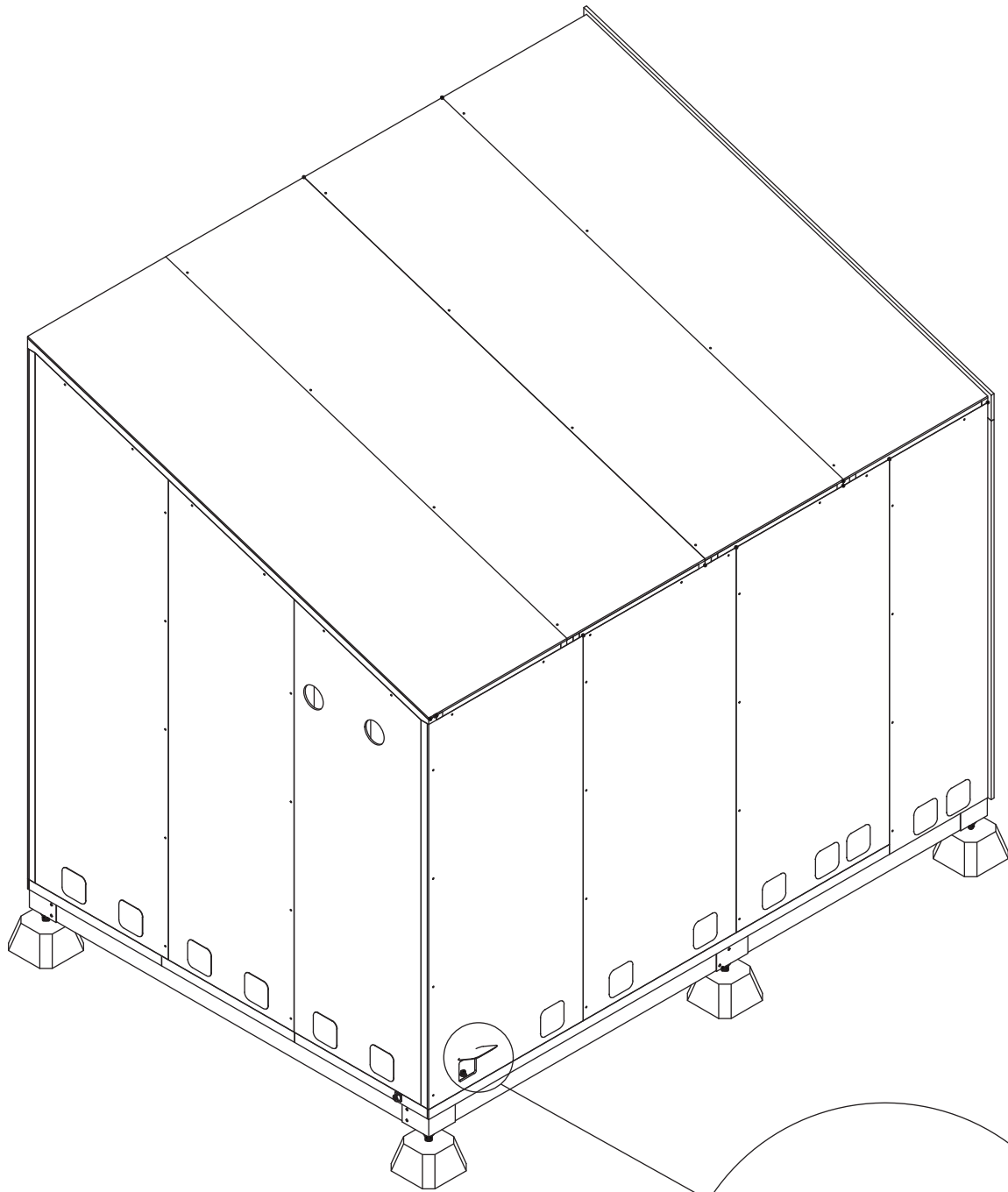


Use silicon sealant to protect both inner and outer rims of the door frame to prevent water from entering.

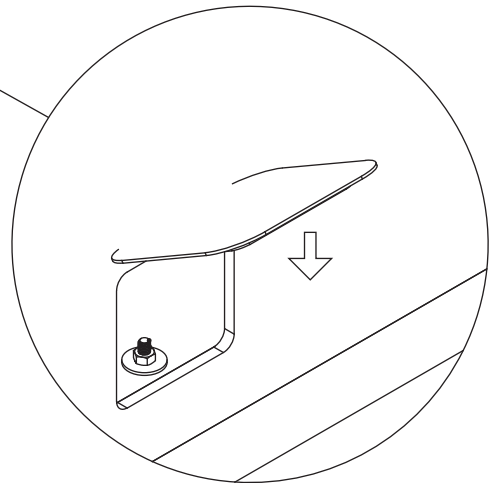


## Step 29

Peel the glue off all covers and stick them in place.



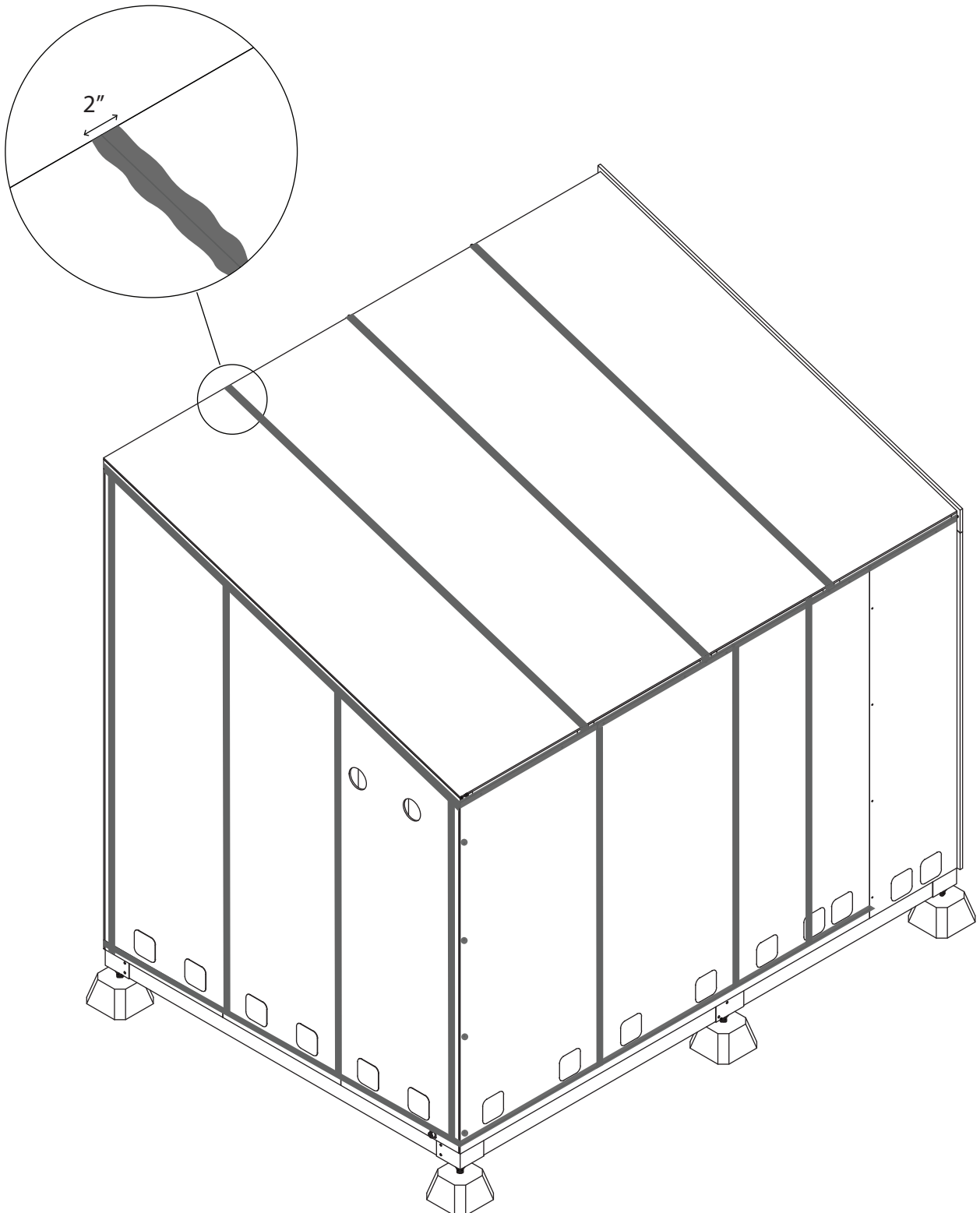
Make sure that the glue line is sealed to prevent water from entering.

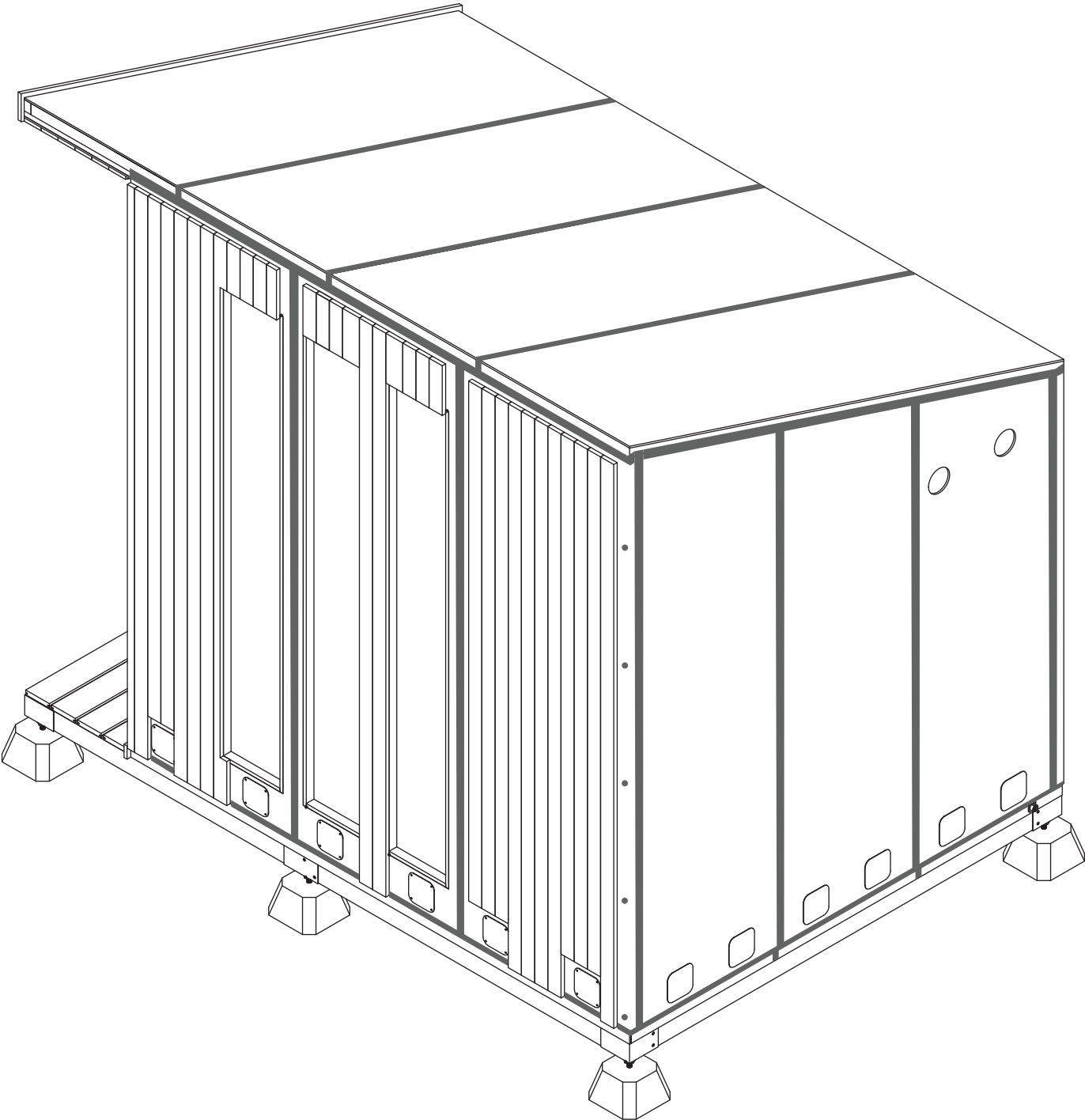


## Step 30

Apply **Henry 208 Wet Patch Roof Cement** to all seams on the outside of the Pod (seams between panels, screw holes...)

1. Clean dirt and loose material from surface.
2. Apply **Henry 208** with a trowel or putty knife so that all the seams are filled
3. Apply a 1/8 inch thick layer, spilling over the sides of the seam by about 1 inch, feathering the edges

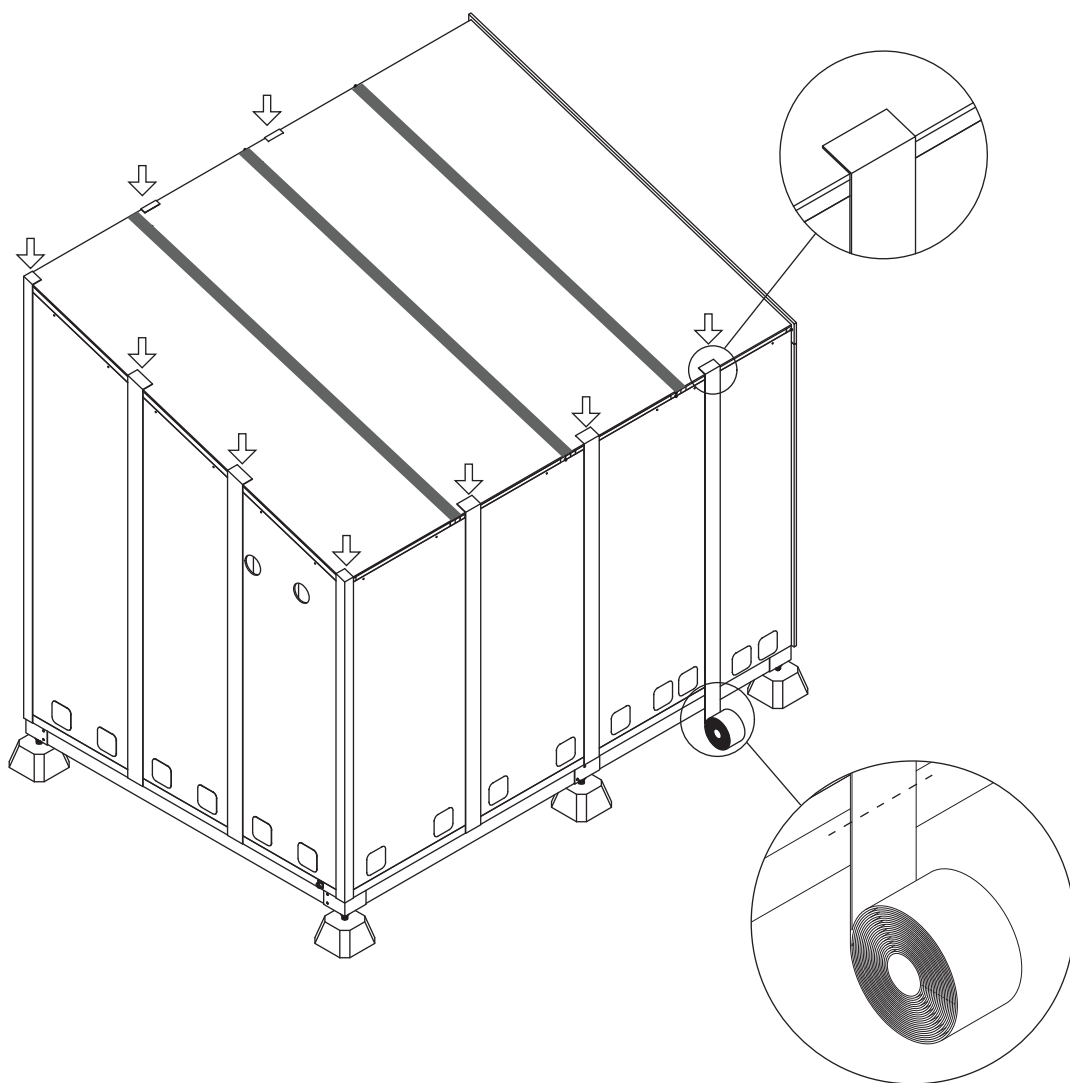




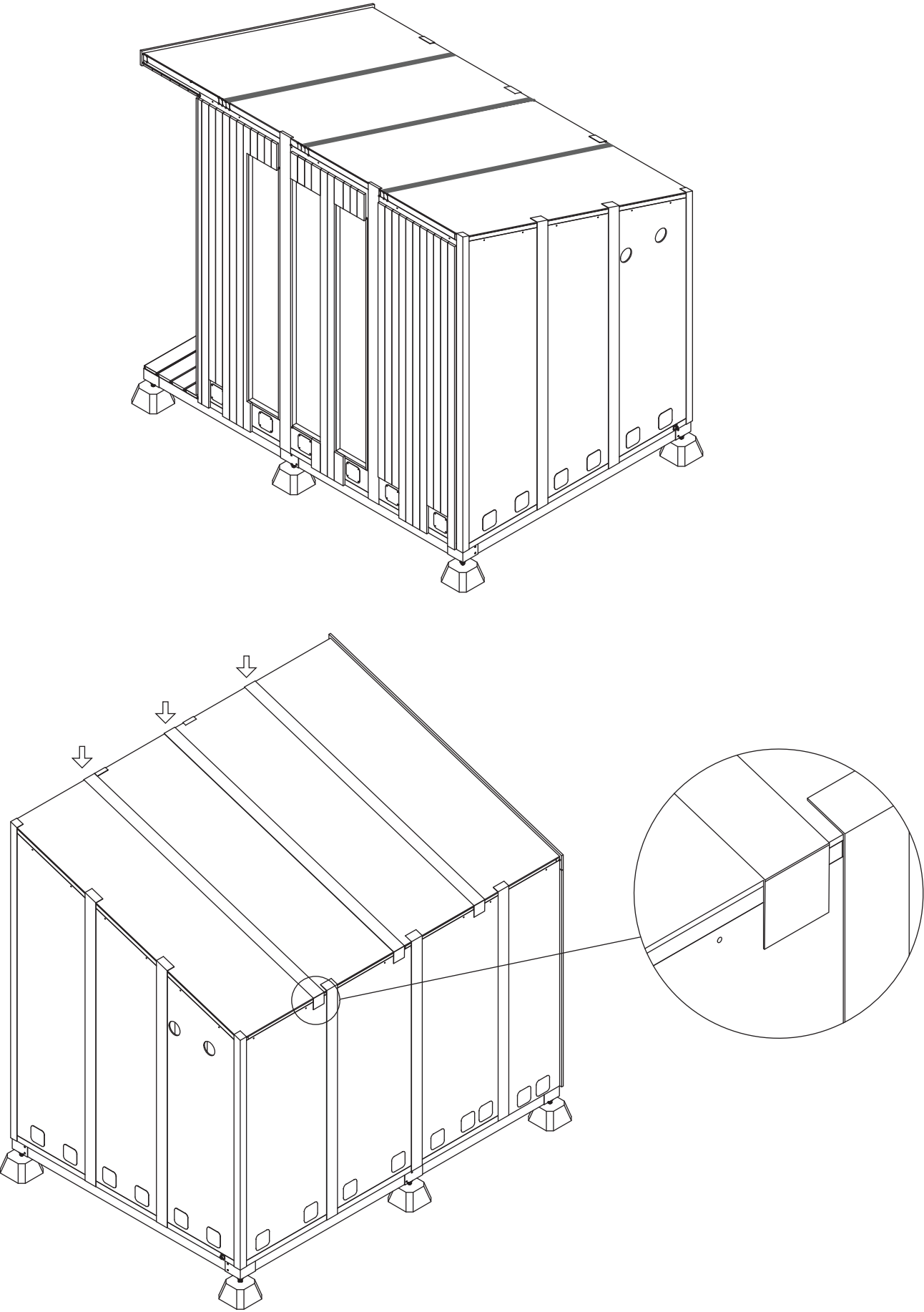
## Step 31

Protect all seams between components using bitumen. It is very important to do it properly, otherwise the seams won't seal and water can get in.

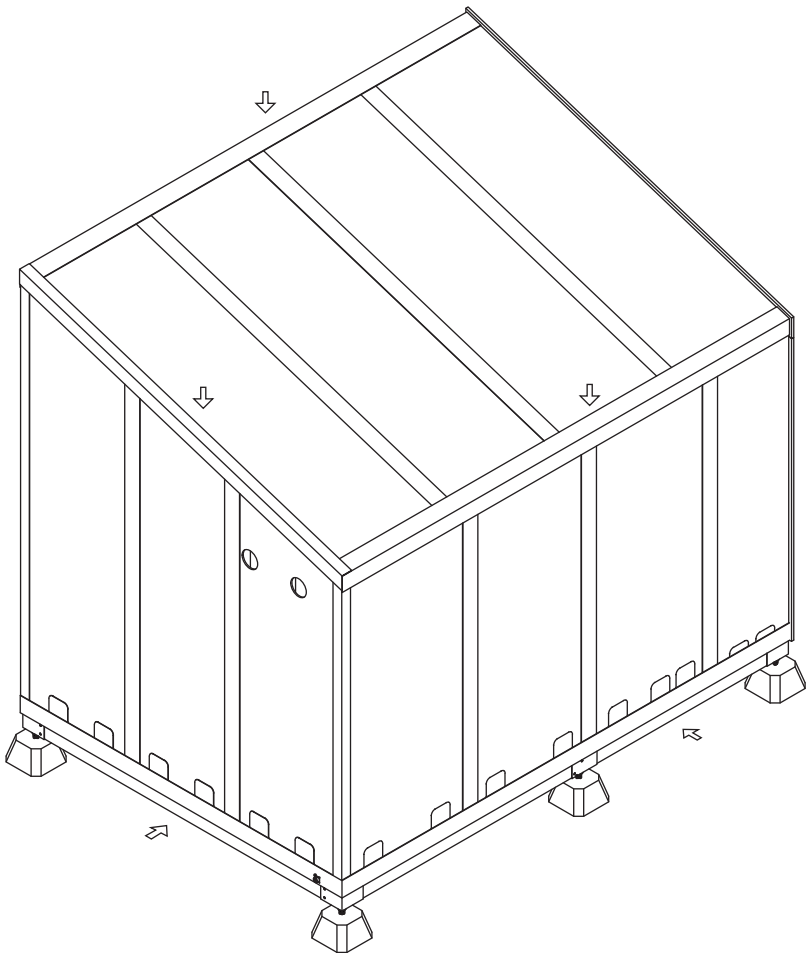
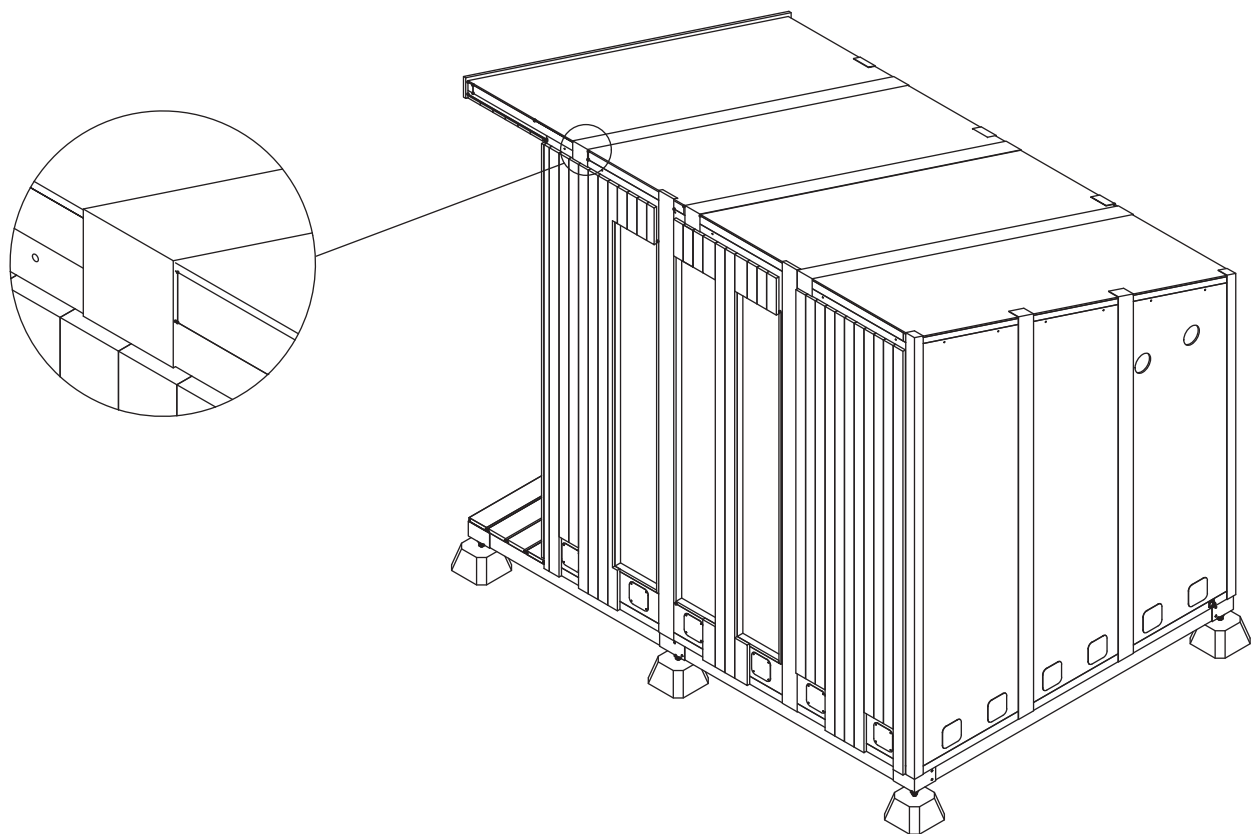
1. Remove the protective layer
2. Melt bitumen roll surface (using heat gun or hair dryer)
3. Use a bitumen roll to seal the seam straight and not wrinkle
4. Use a rubber hammer to tap the entire bitum line to press the surface
5. Check to see if there are any non-stick areas with your hands



Protect all seams between components using bitumen.

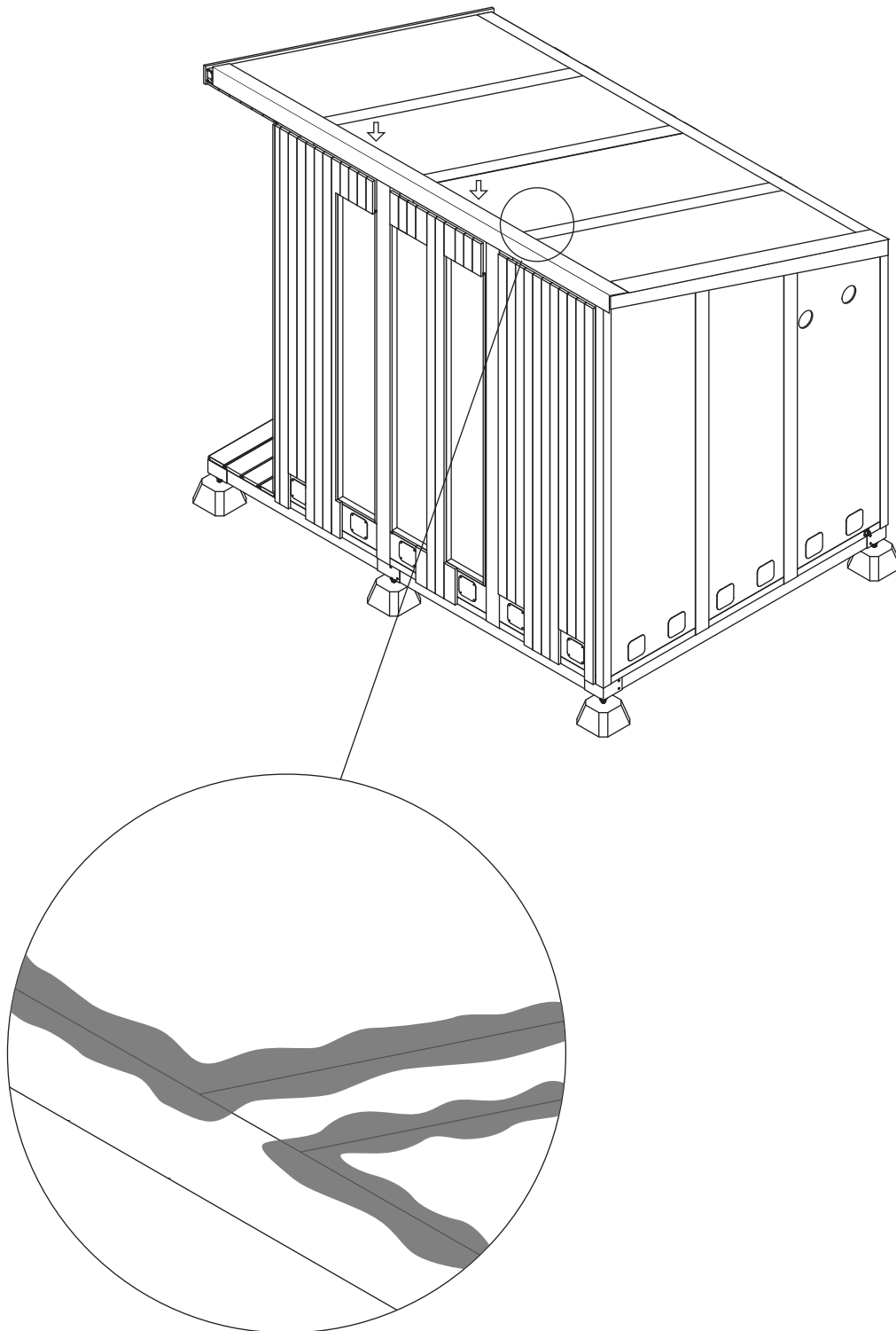


Protect all seams between components using bitumen.





Protect all seams between components using bitumen.

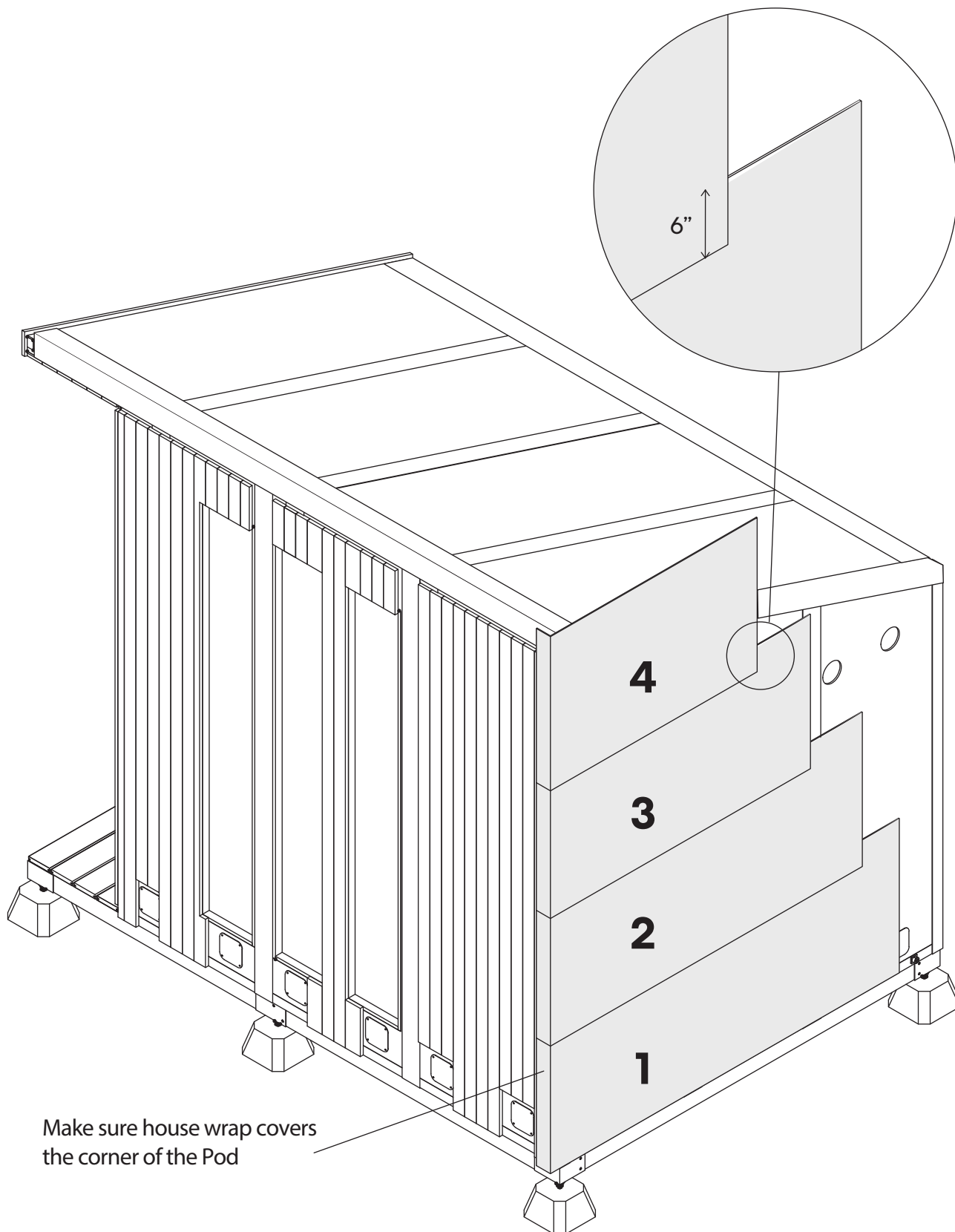


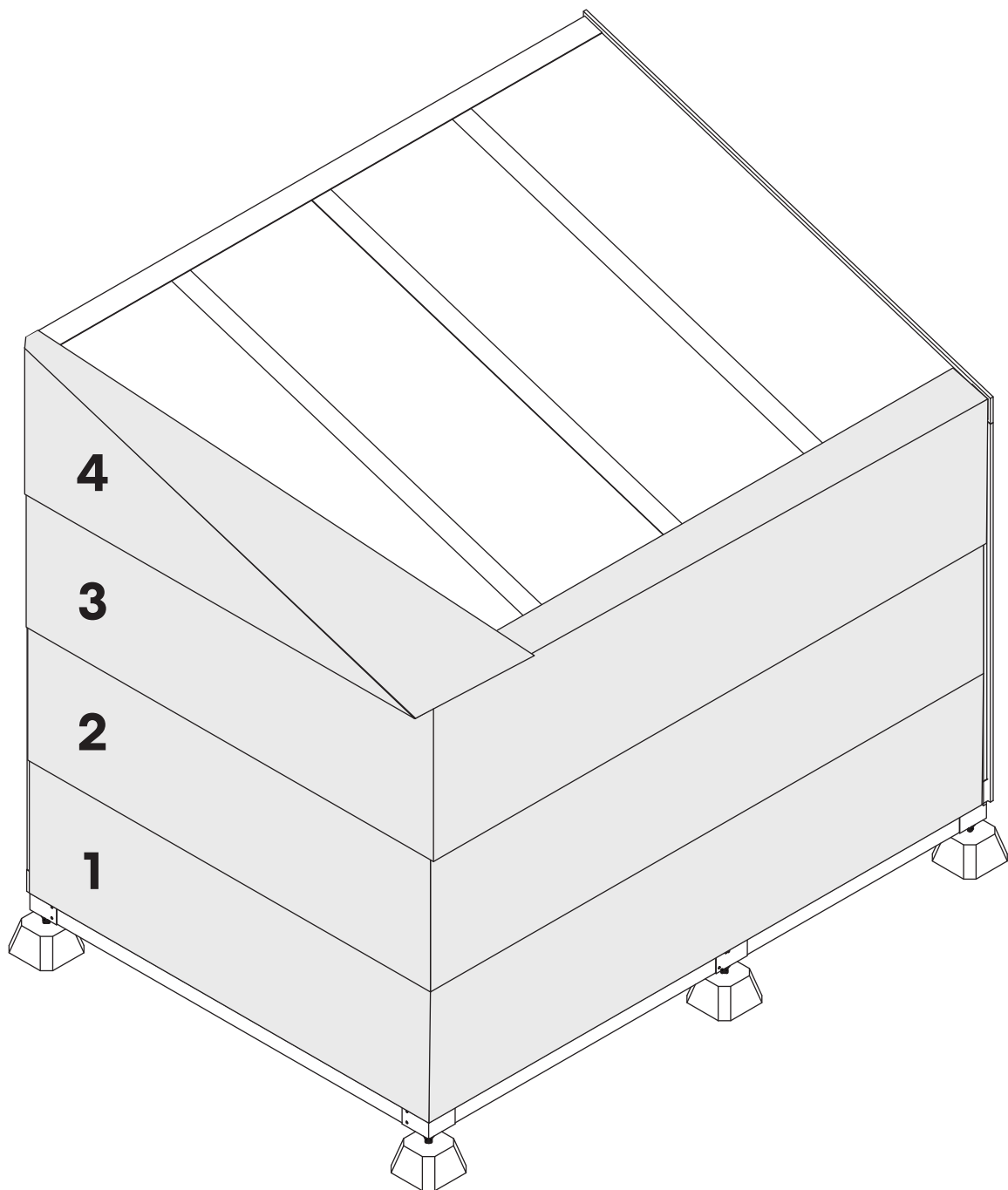
Apply **Henry 208** to the edge of the bitumen line for extra protection

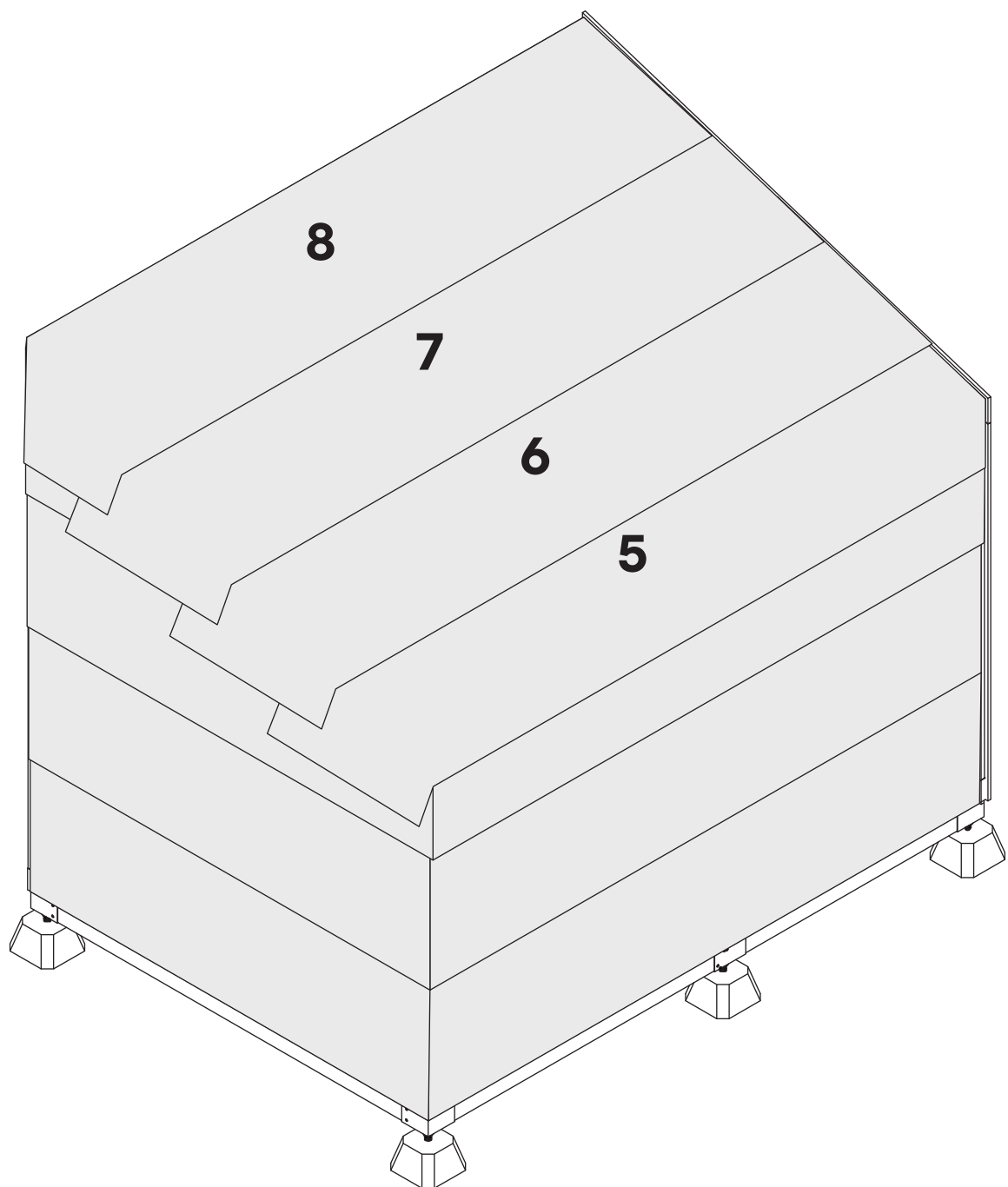
## Step 32

Install **Typar HouseWrap** in the order below

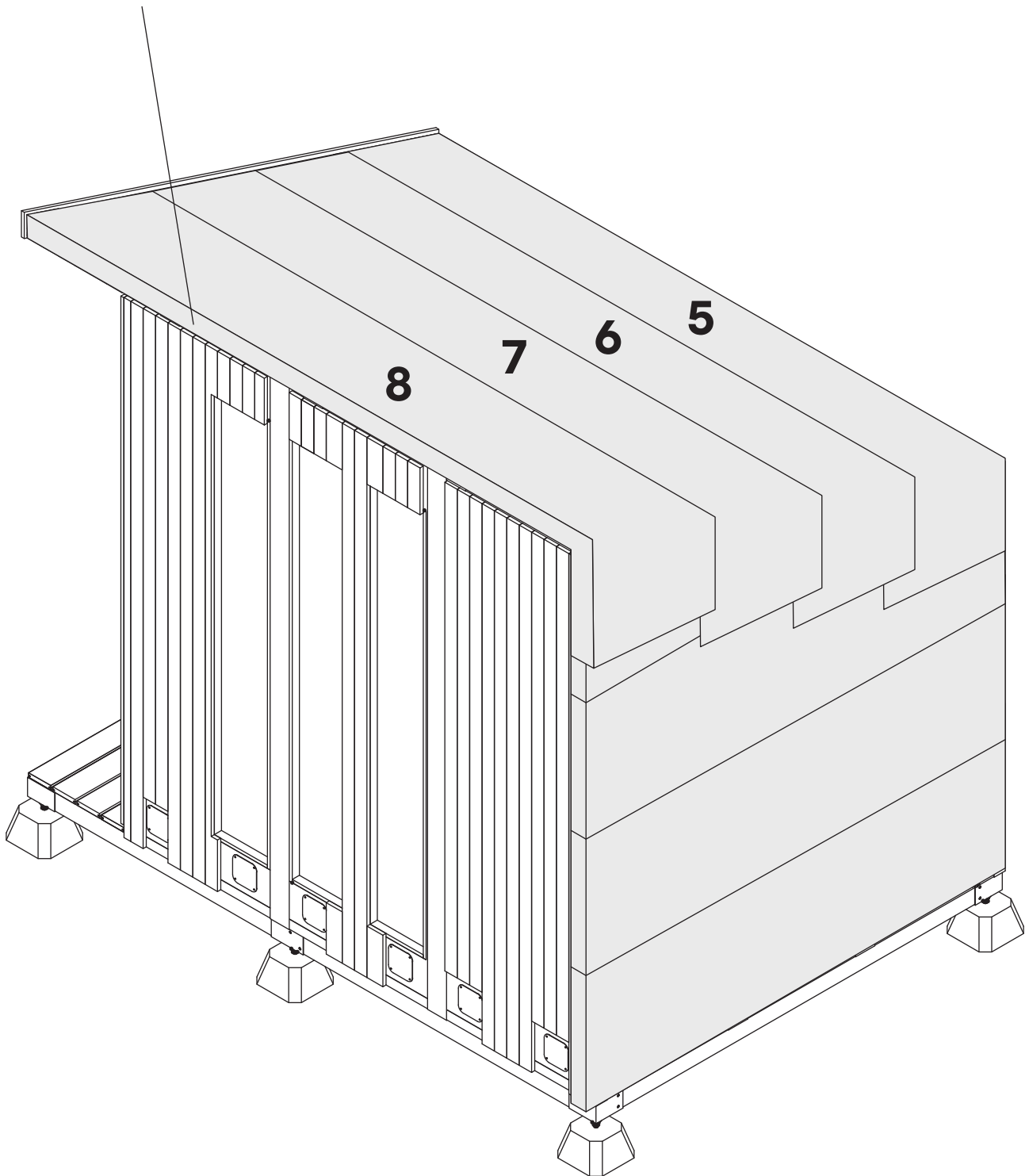
1. Installing the first course, start at the bottom of “Right wall C” with printed side facing out
2. Fastening the housewrap using plastic cap nail
3. Installing the second course, be sure to overlap the bottom layer by a minimum of 6 inch
4. Taping all seams and penetration using construction tape







Make sure house wrap covers  
the corner of the Pod



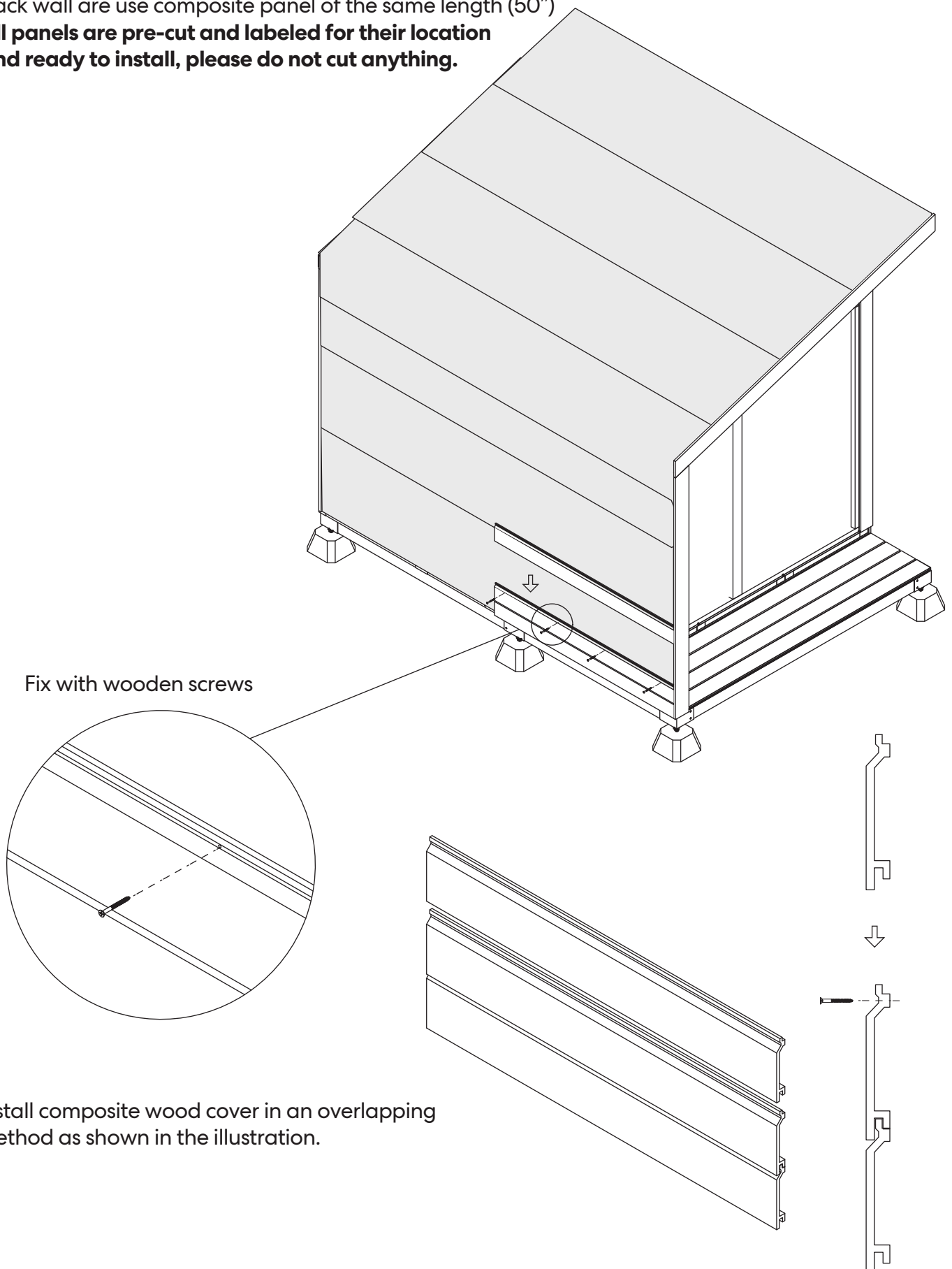
## Step 33

Install **Left cover**.

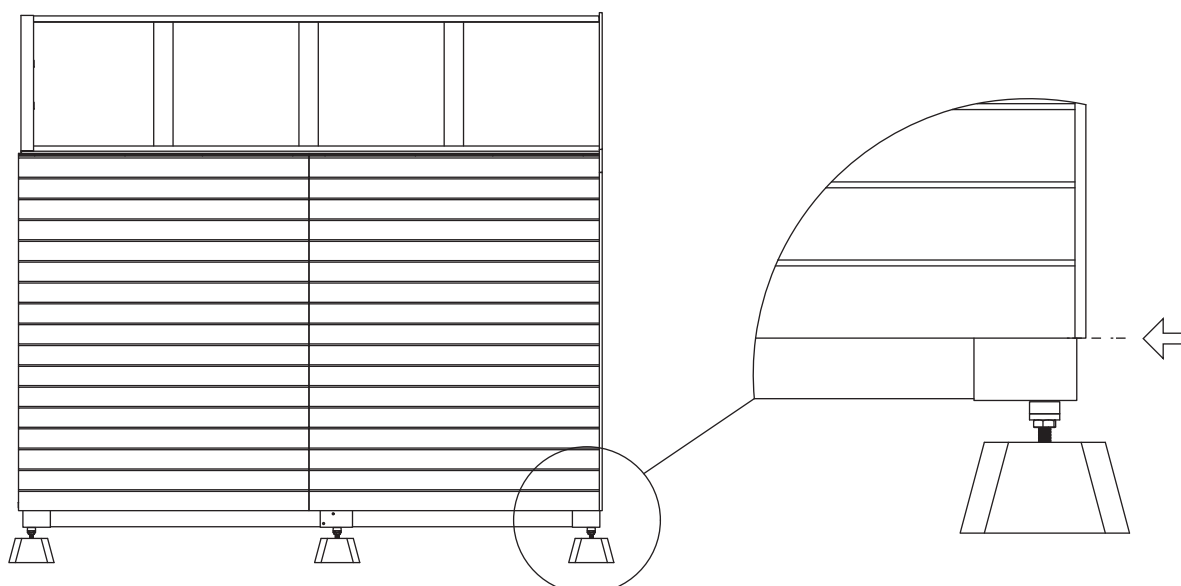
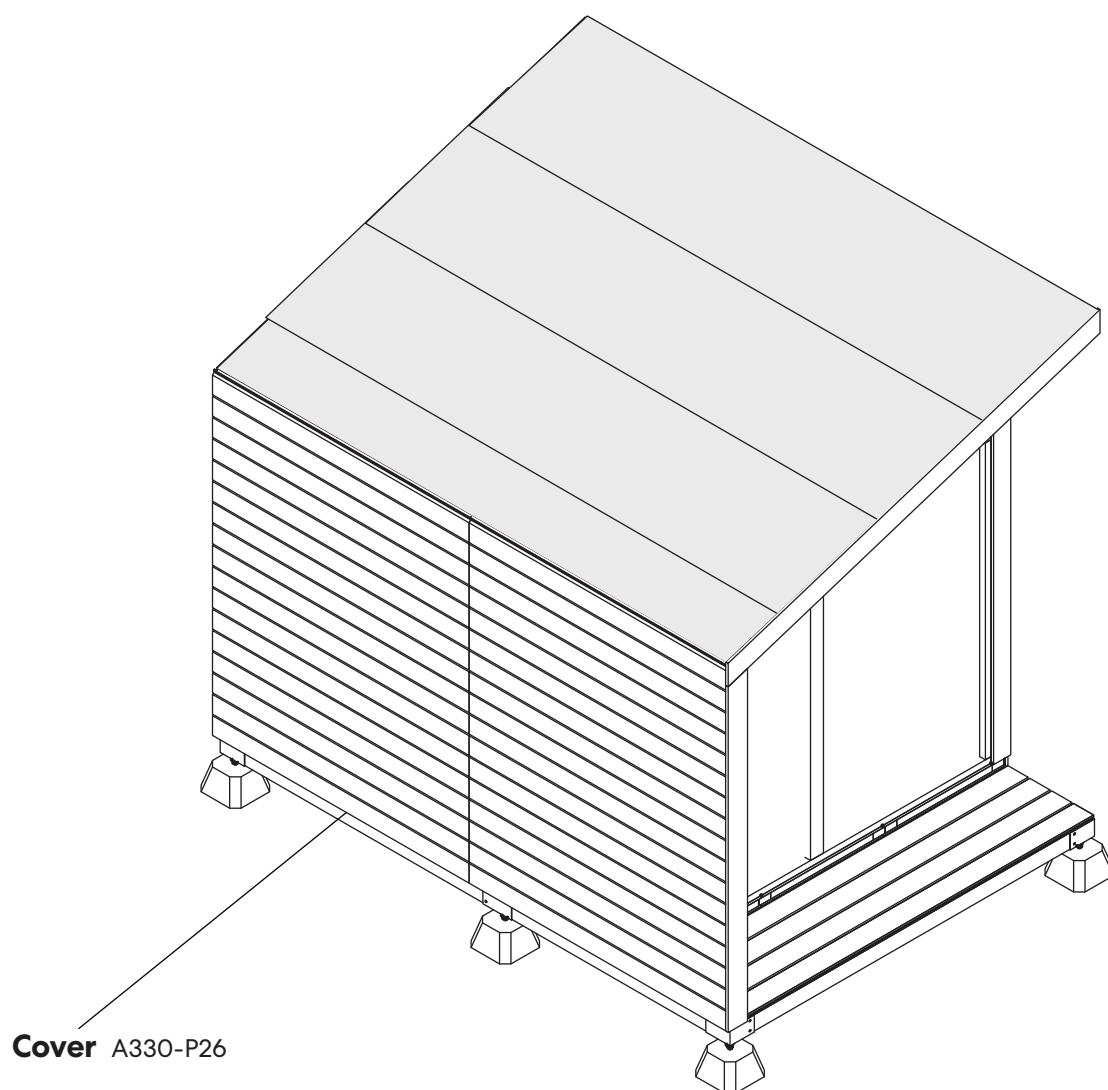
Roof and Left wall use composite panel of the same length (71")

Back wall are use composite panel of the same length (50")

**All panels are pre-cut and labeled for their location and ready to install, please do not cut anything.**

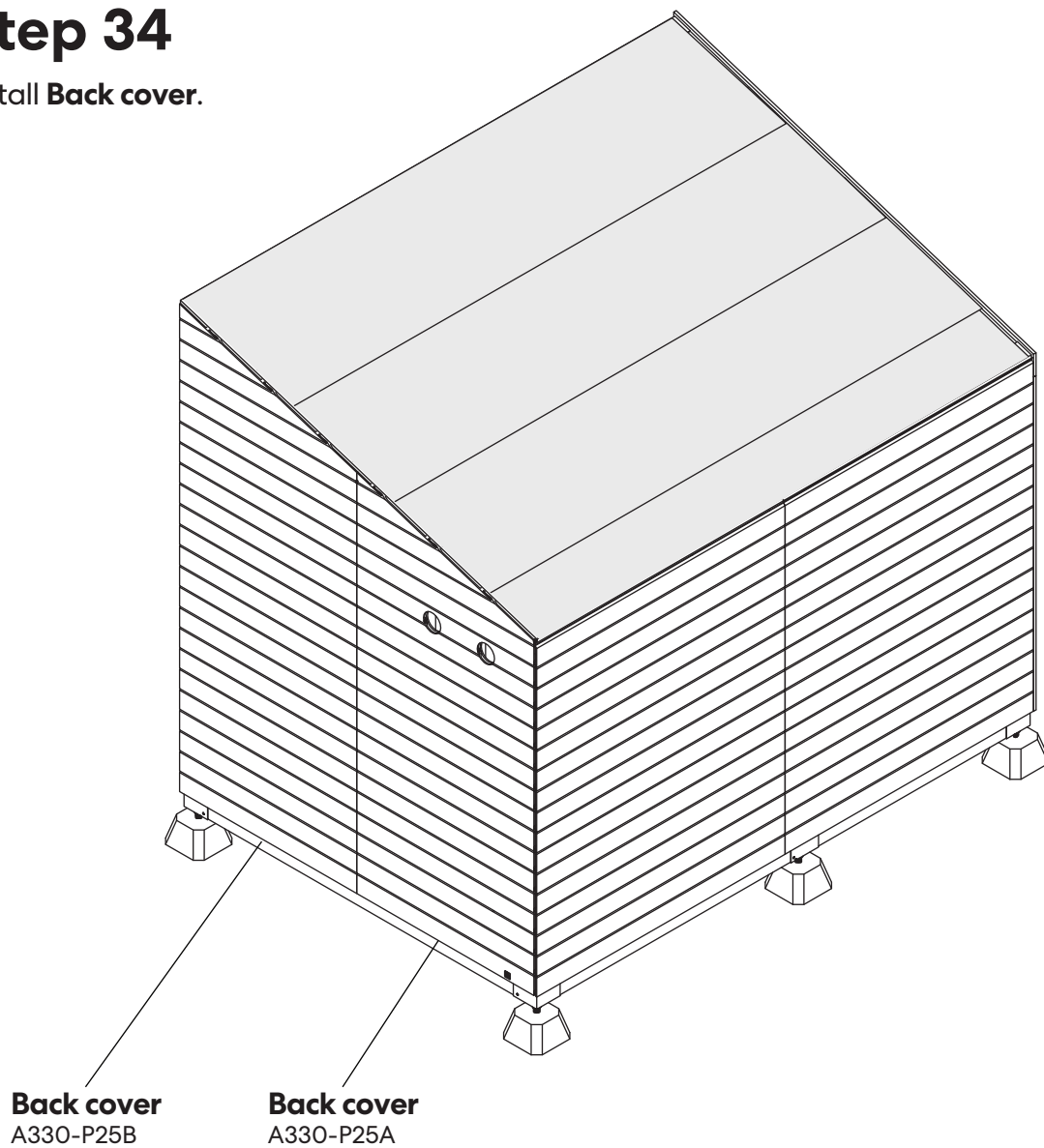


Make sure that the first component of the **Left cover** is flush with the floor.

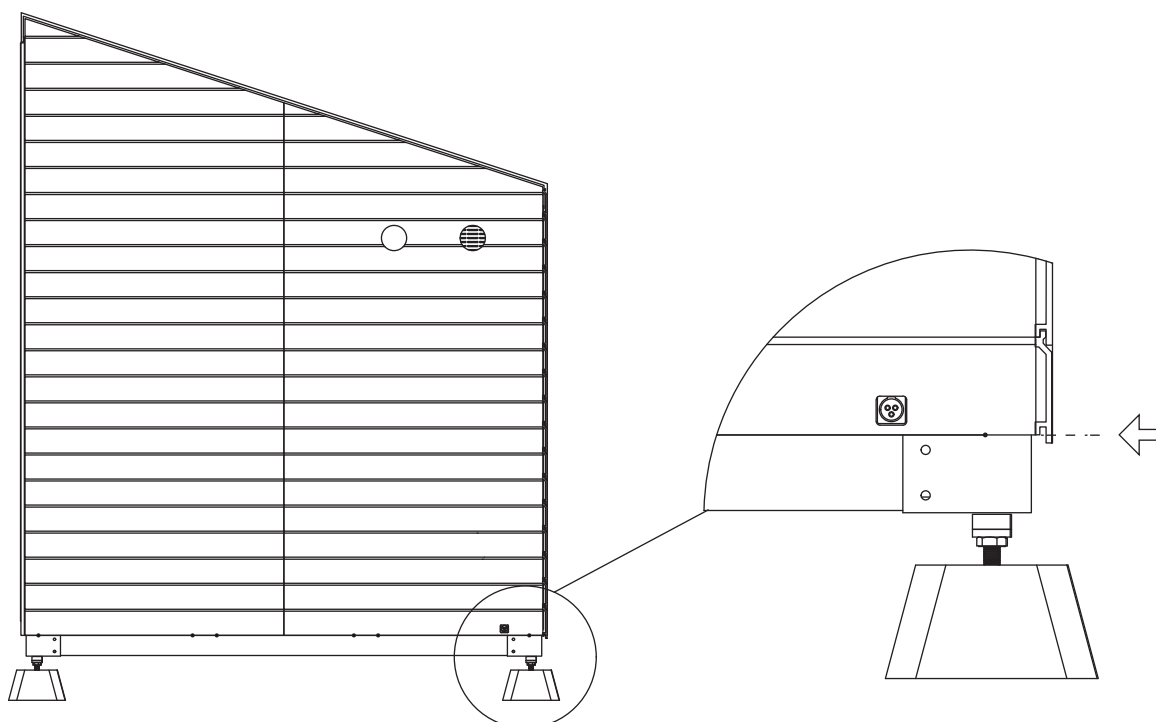


## Step 34

Install **Back cover**.



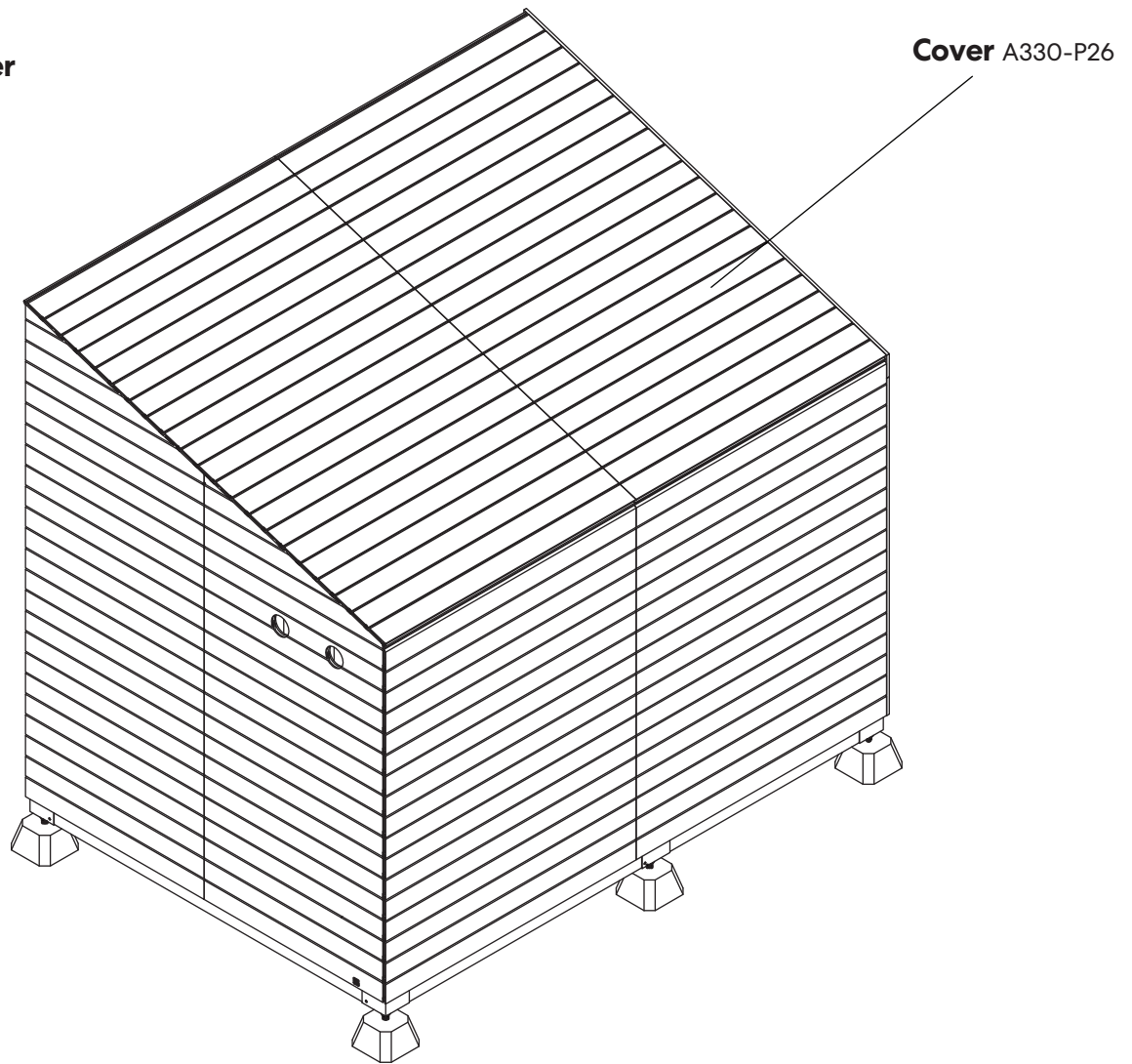
Make sure that the first component of the **Back wall** is flush with the floor.



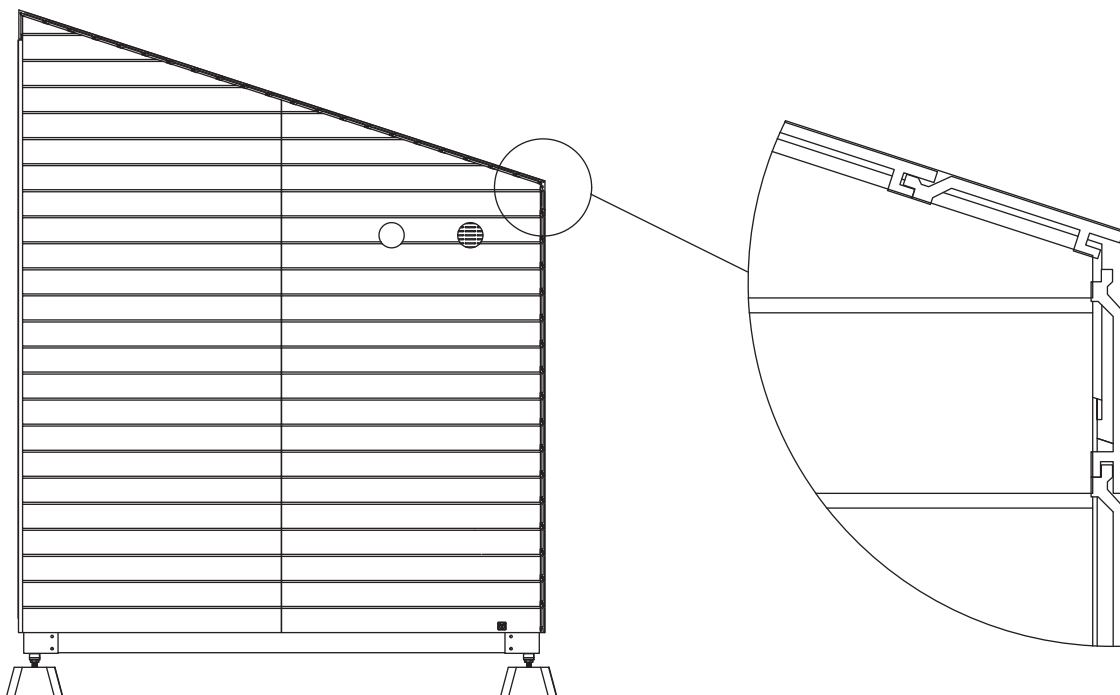


## Step 35

Install **Roof cover**

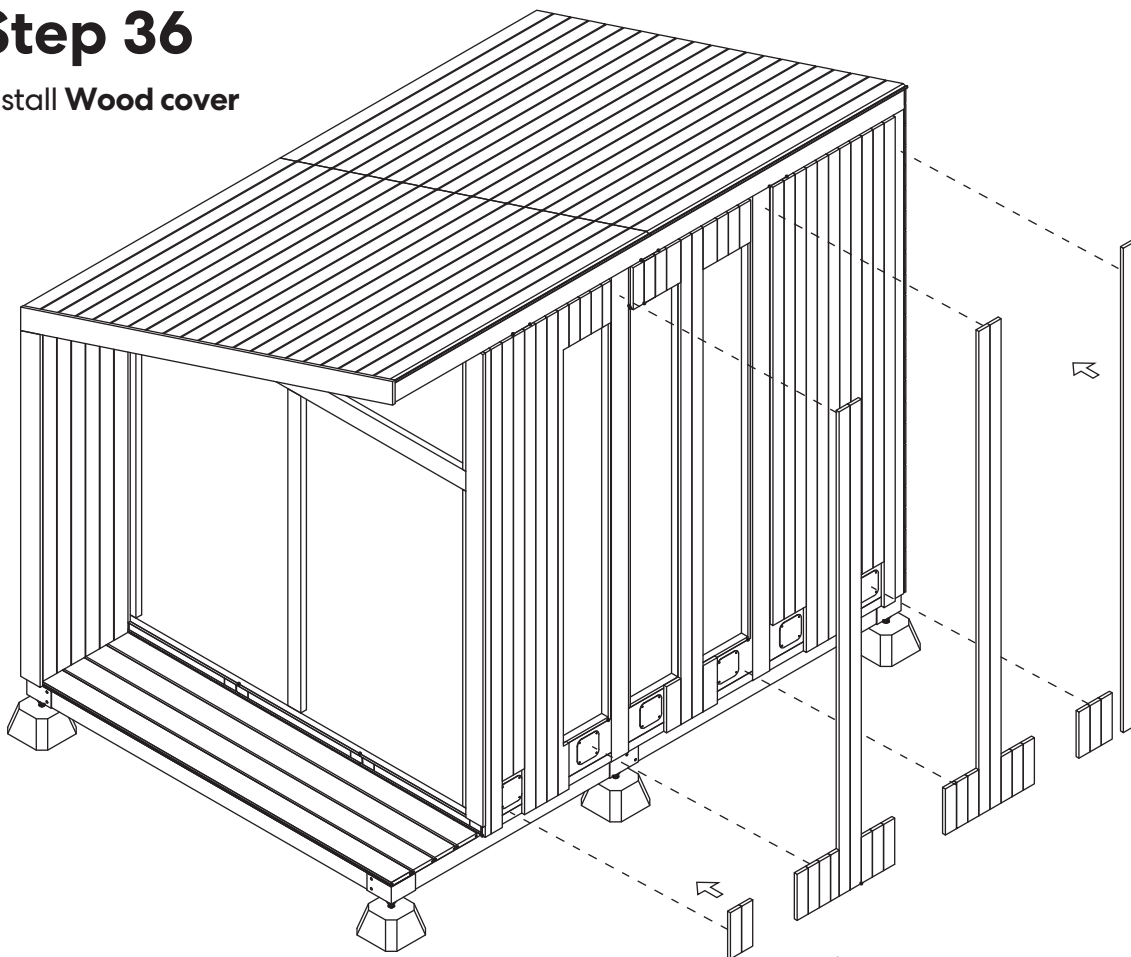


Make sure that the first component of the **Back wall** is flush with the **Left cover**.

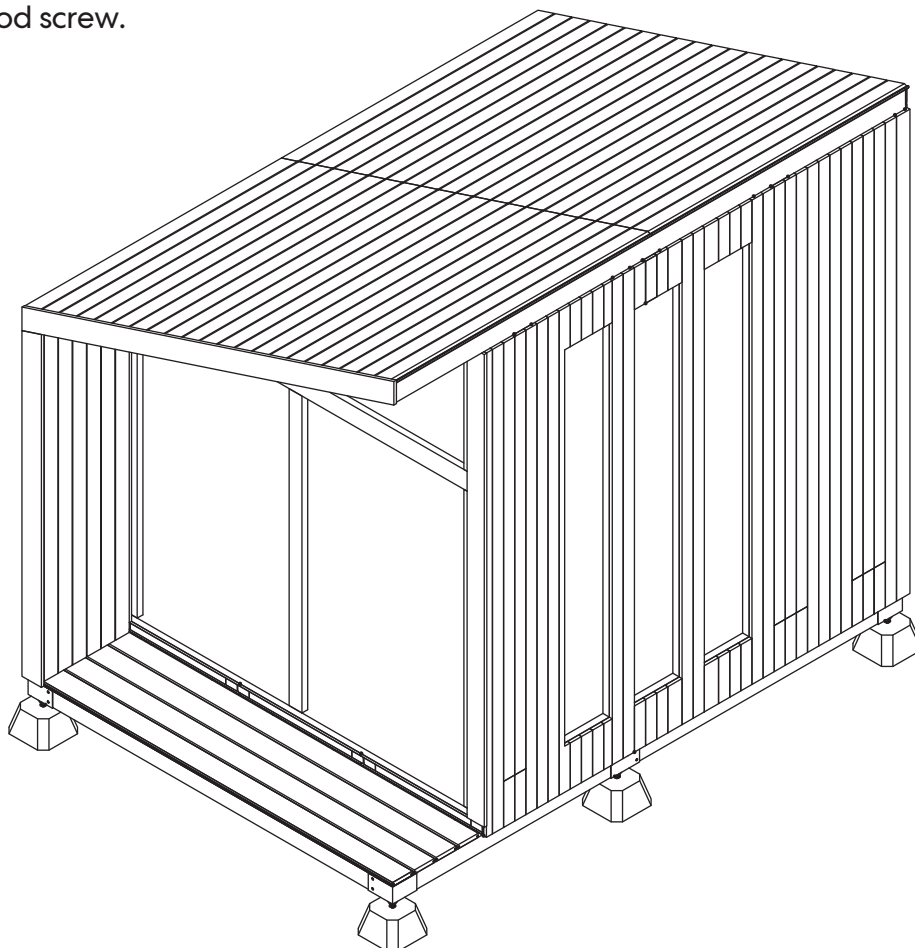


## Step 36

Install **Wood cover**

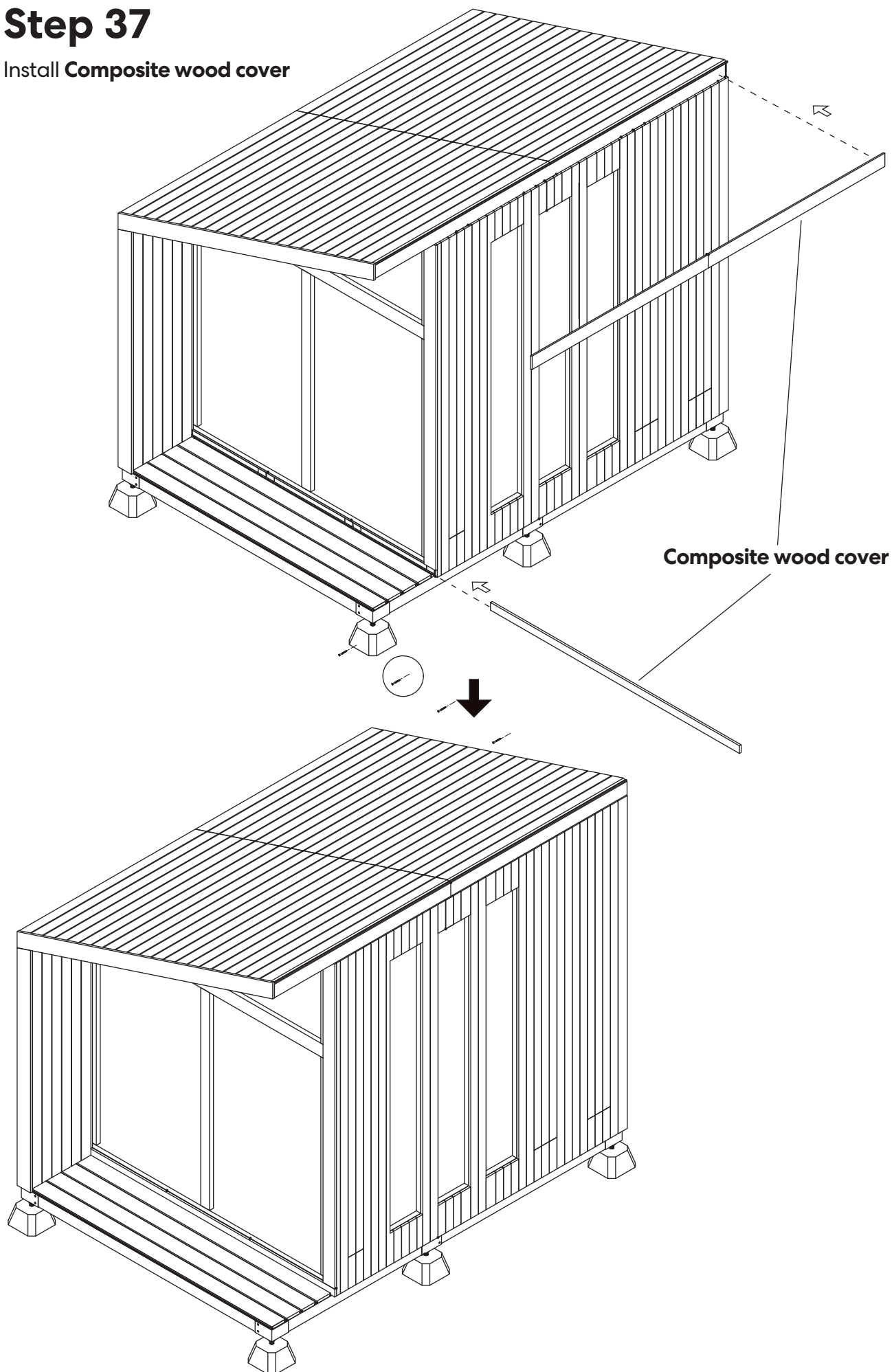


Replace **Wood cover** and fix it in place using the wood screw.

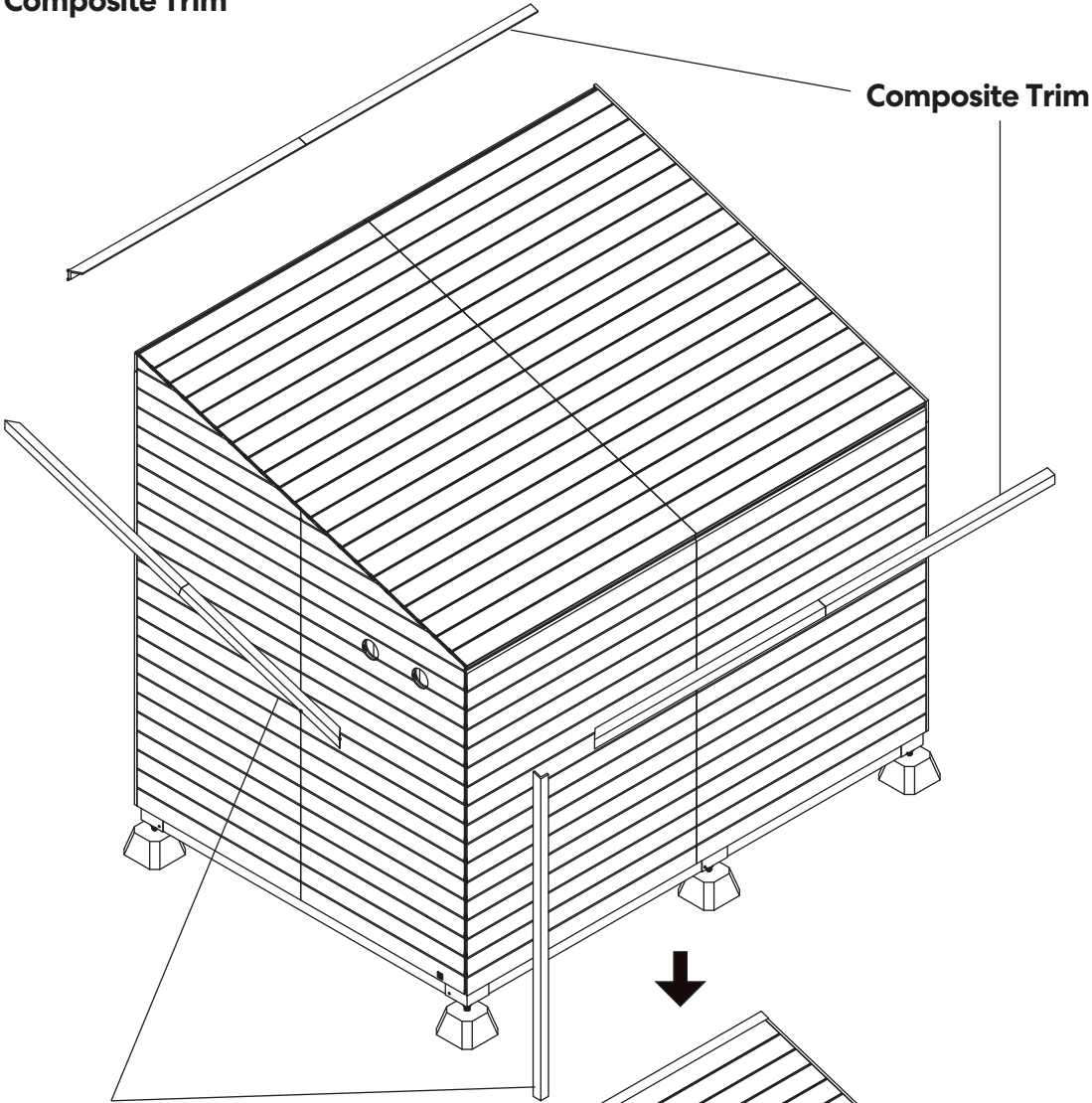


# Step 37

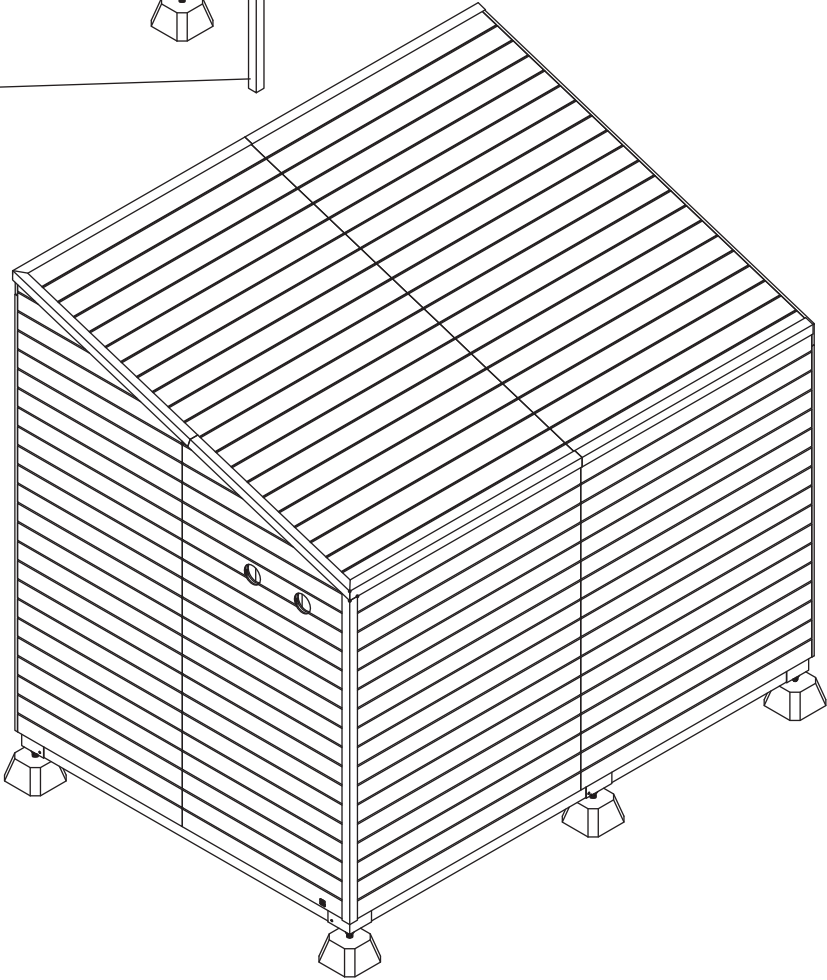
Install **Composite wood cover**



Install **Composite Trim**

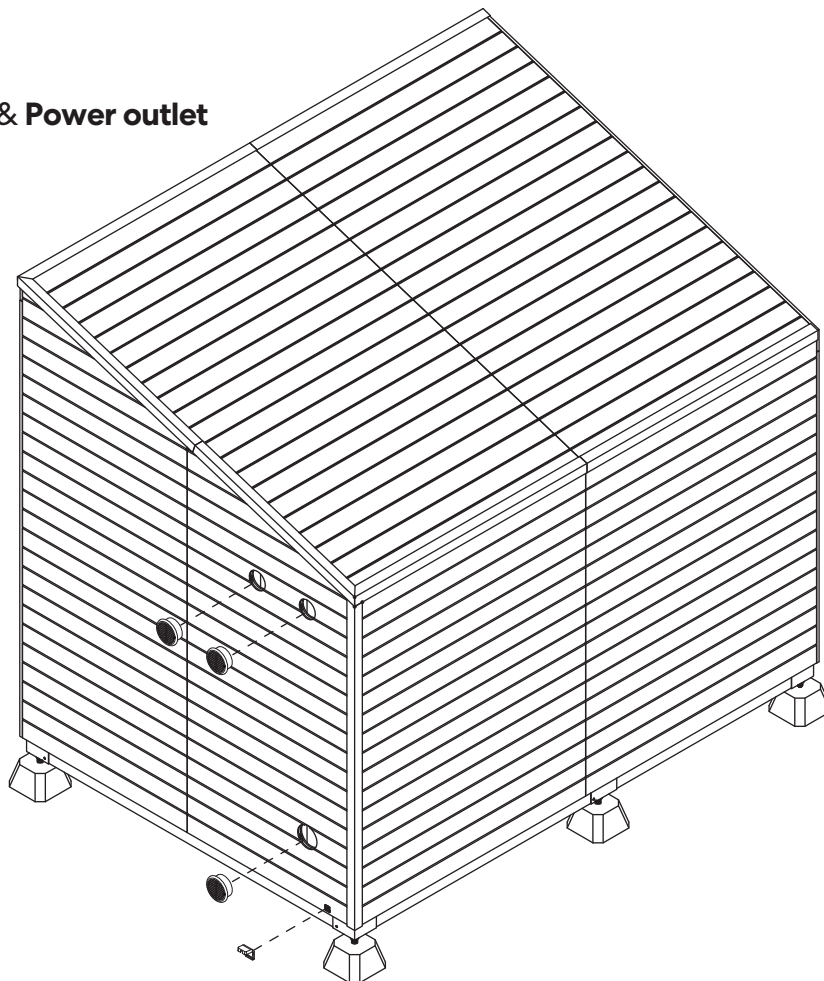


**Composite Trim**

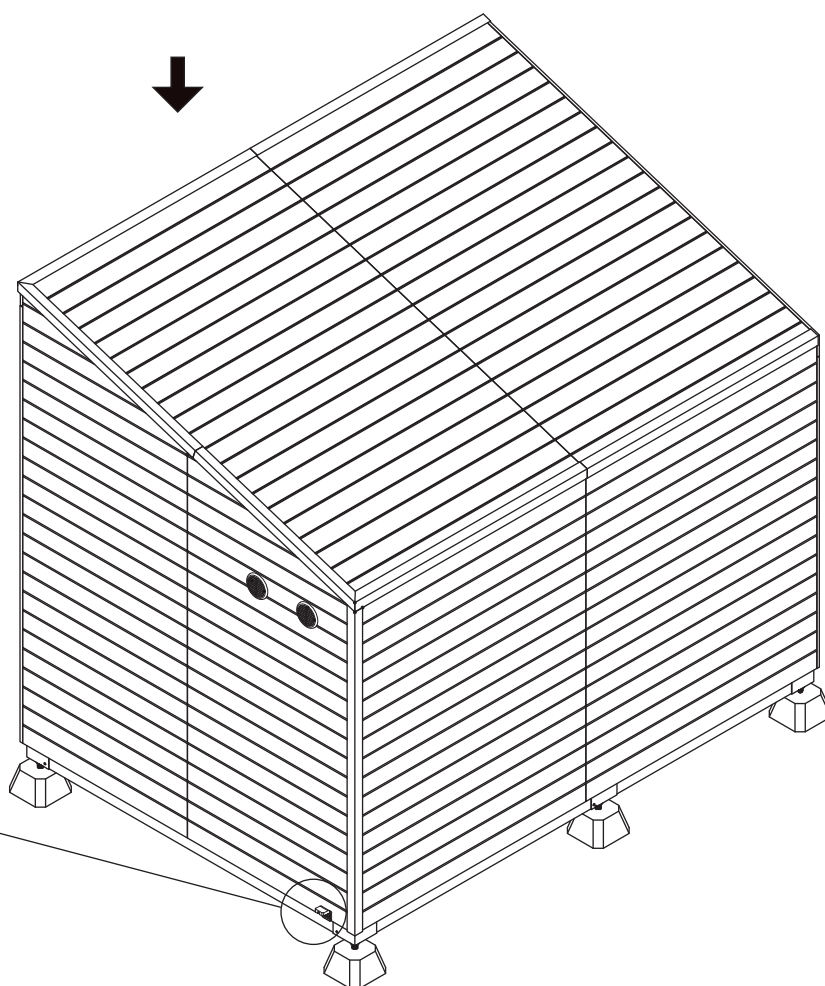
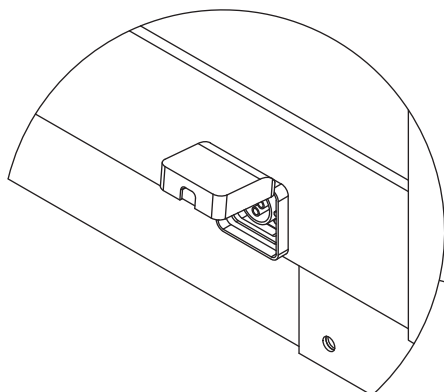


## Step 38

Install **Ventilation cover & Power outlet rain cover**



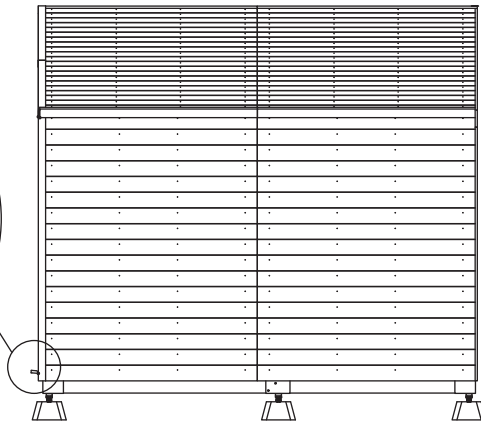
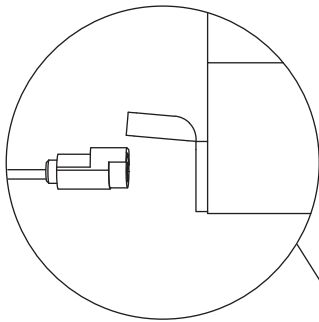
Power outlet rain cover



## Step 39

Check electrical connections.

### Pod power input

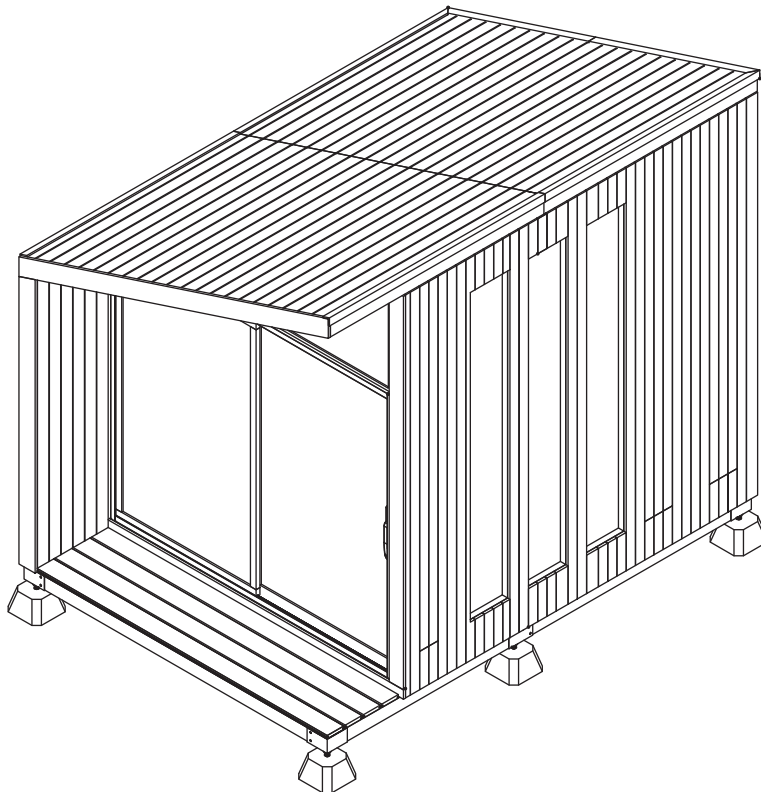


1. Turn off **RCB** in **Electrical cabinet**
2. Connect Pod to your power supply
3. Turn on **RCB** in **Electrical cabinet**
4. Check that all electrical outlets and switches are working properly



### Note before use

1. Keeping the input power fixed keeps the power supply stable and the plugs not loose
2. Make sure to turn on the exhaust fan if you want to work inside with the door completely closed



**We had a lot of fun building Pod, and we hope you'll love yours.**

Reach out to us anytime at [human@autonomous.nyc](mailto:human@autonomous.nyc) if you have any questions, ideas, or just want to chat.