



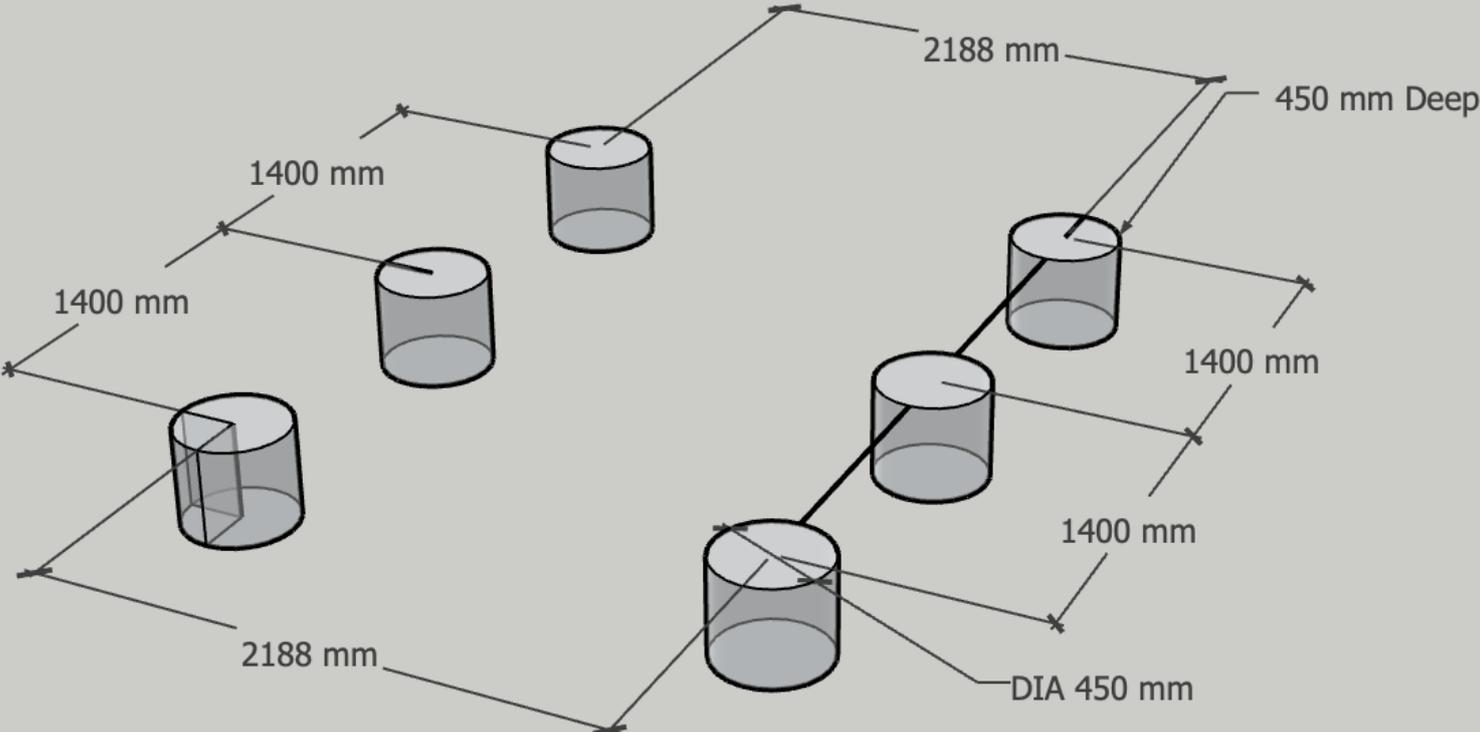
SALTY BUILDS

Carbon neutral cabins and tiny homes
Byron Bay, NSW

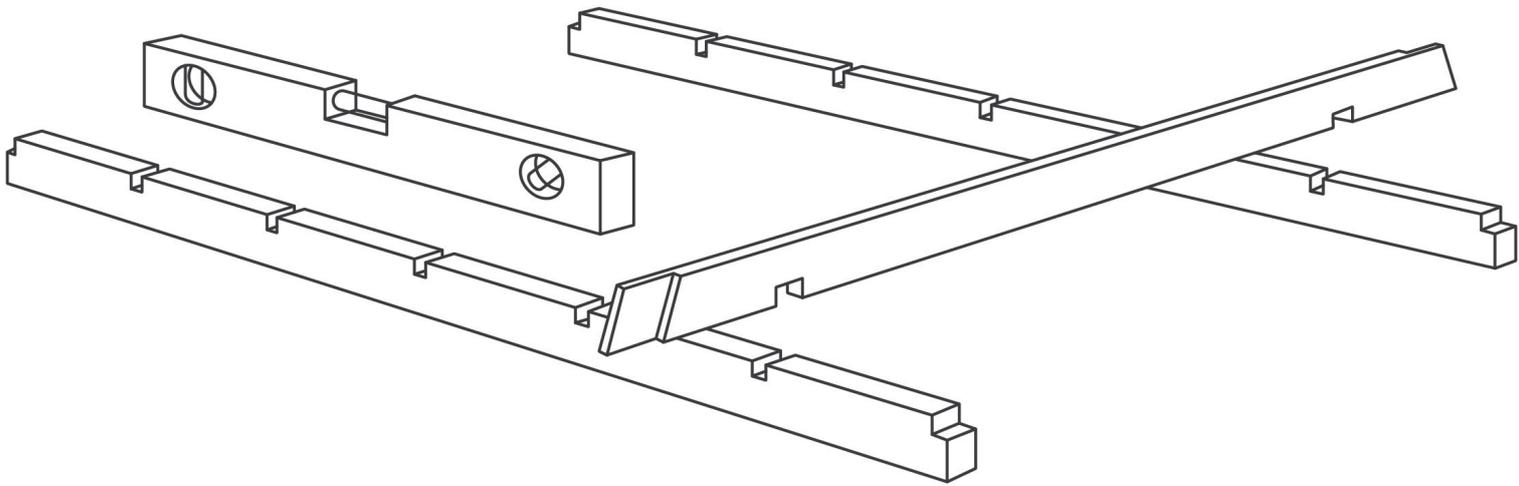
A-FRAME MANUAL



A-Frame Foundations



A-Frame Foundations



Above is a suggested Footings drawing for a permanent set up.

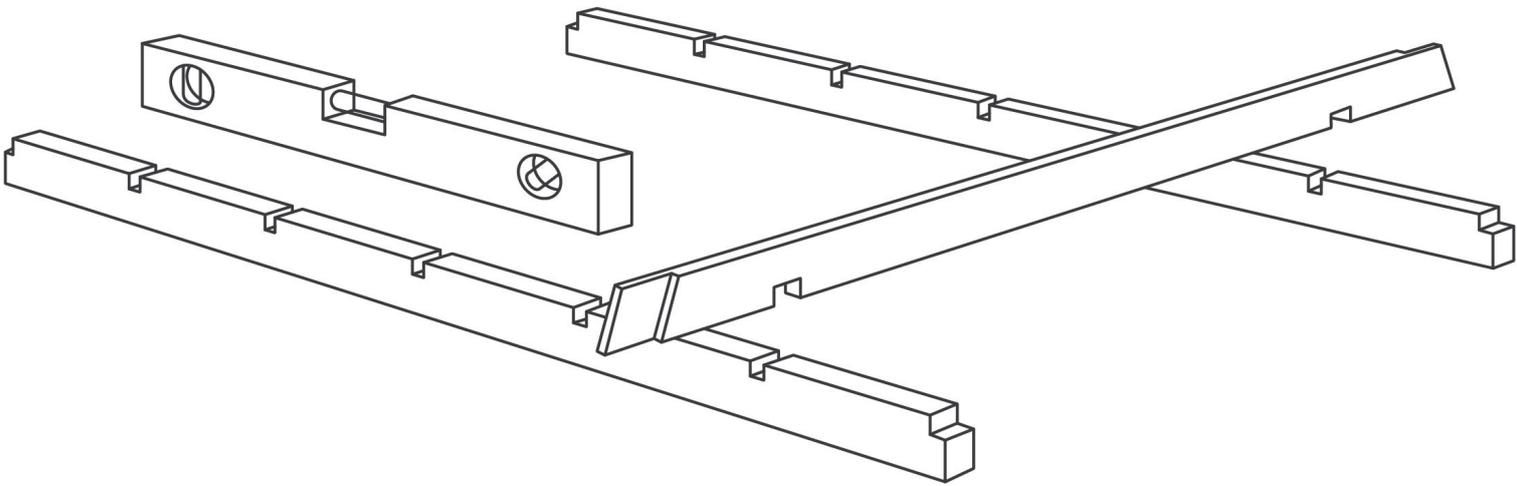
Footings are the wholes and concrete that support the floor of your cabin.

You will see that the holes are 450mm wide and 450 mm deep. 450mm is an excellent standard to work to.

You can either sit our cabin directly on these footings or install timber or metal posts to hold the base.

For a more simple setup, you can use Besser Blocks at the same spacings and build directly on top.

STEP 1 LEVEL YOUR BASE



Refer to the footings sheet for advice on what to place your A-frame on.

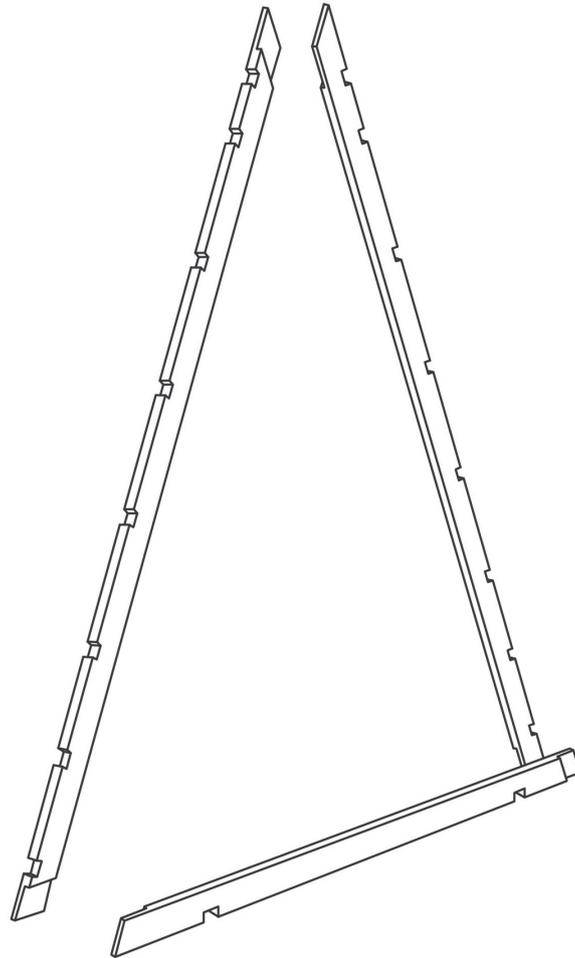
The bearers are labelled BEARERS. They form the base for your A-frame.

Take care to get these perfect. Use a spirit level to level them up with each other. It will make life a lot easier moving forward.

Refer to the image or check out the video for more information.

STEP 2

ASSEMBLE THE CENTRE TRIANGLES



We call these trusses.

They are made up of three pieces - One base and two side pieces.

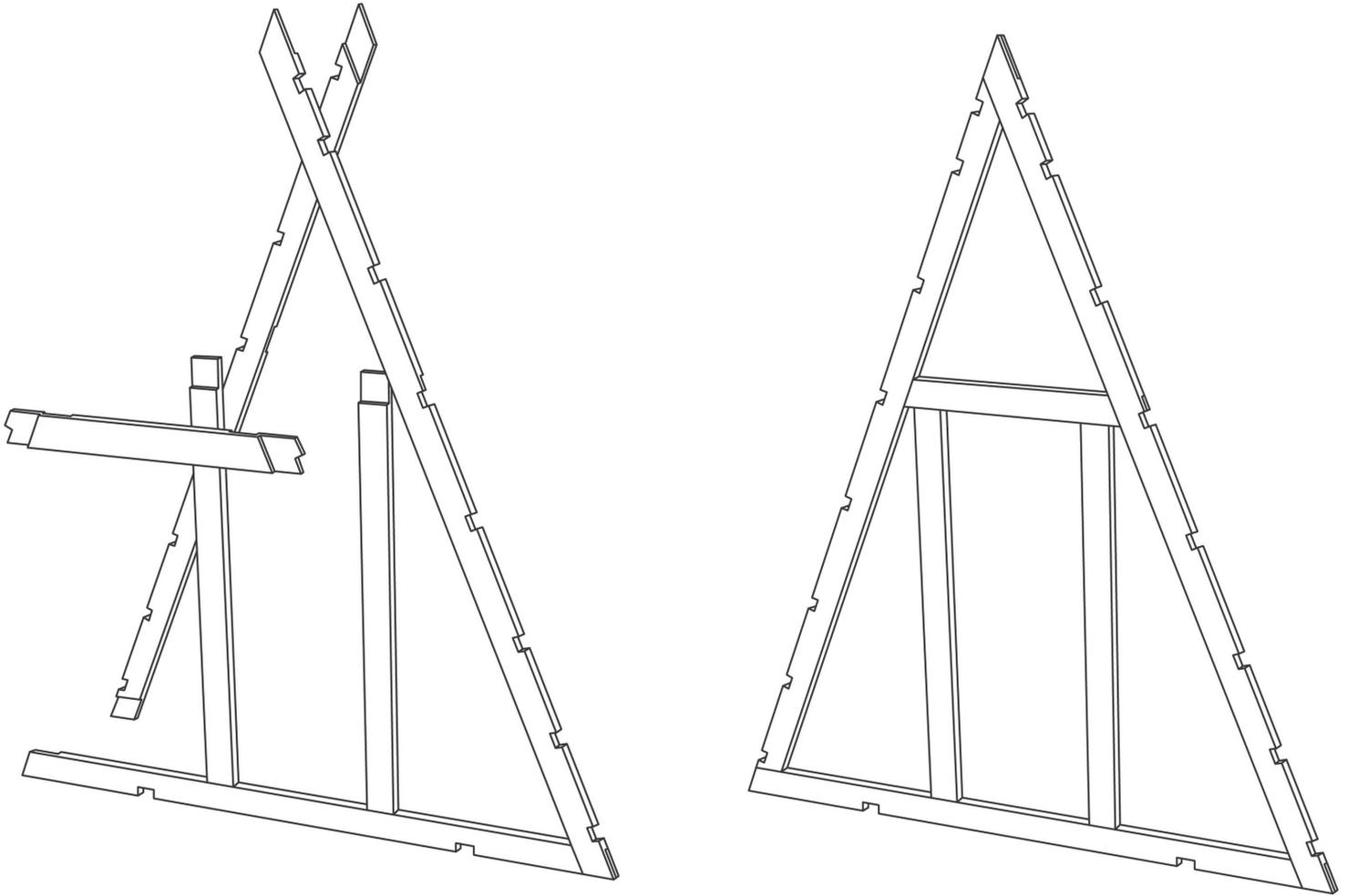
Use the stickers to help line up your ends. The holes are predrilled, ready to go. Once you have it assembled, then go ahead and screw it off.

Set them all aside; it's easiest to install them all at once after assembling them all.

Screws needed are labelled with the campfire.

STEP 3

ASSEMBLE THE DOOR TRIANGLE



This truss is a little different to the rest.
You'll find it labelled as the ENTRANCE TRUSS.

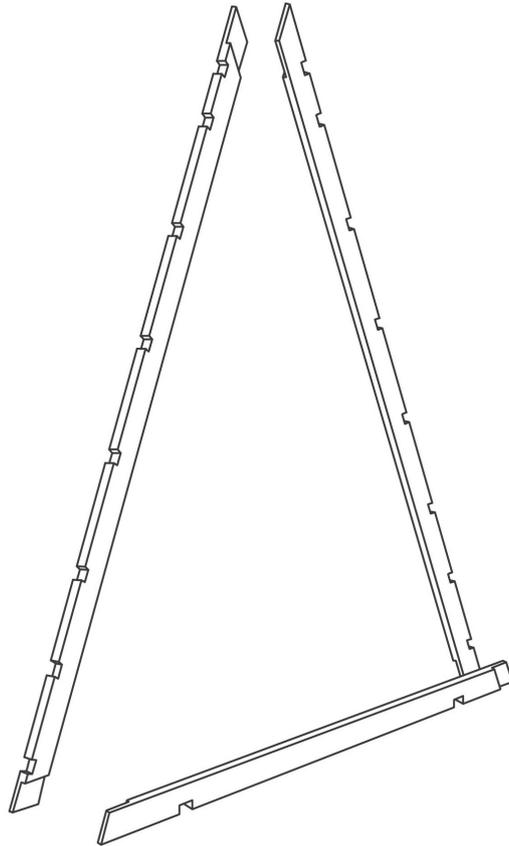
Lay it out and have it all lined up before screwing it all
off.

Use the stickers to help line up the joints.
Refer to the image above and check out the video for
more instructions

Screws needed are labelled with the campfire.

STEP 4

ASSEMBLE THE WINDOW TRUSS



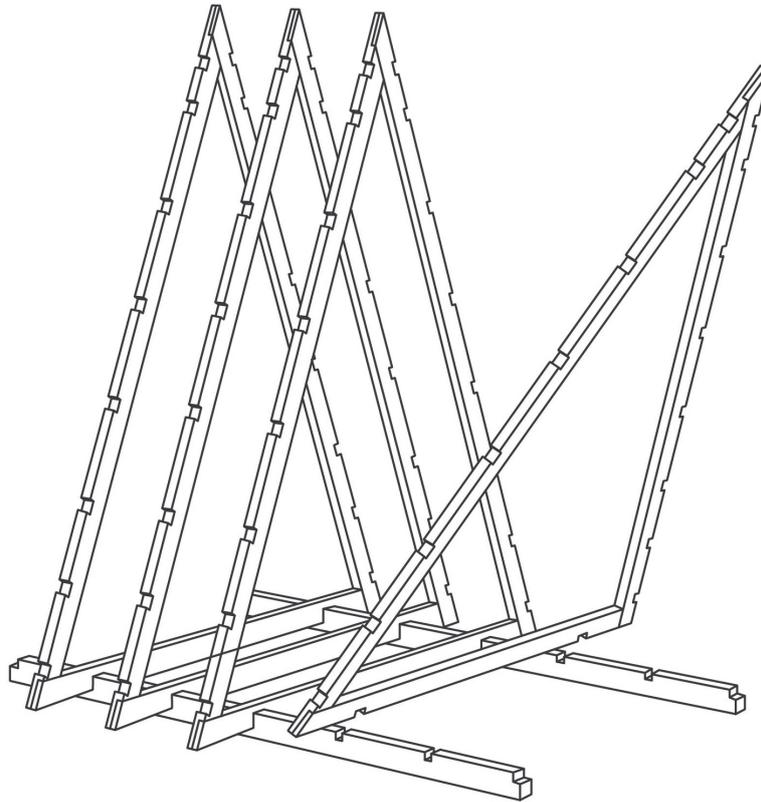
This truss is pretty much the same as a centre truss. The only difference is it will hold the large window at the back of your A-frame.

Line up the three pieces and screw them together.

Screws needed are labelled with the campfire.

STEP 5.1

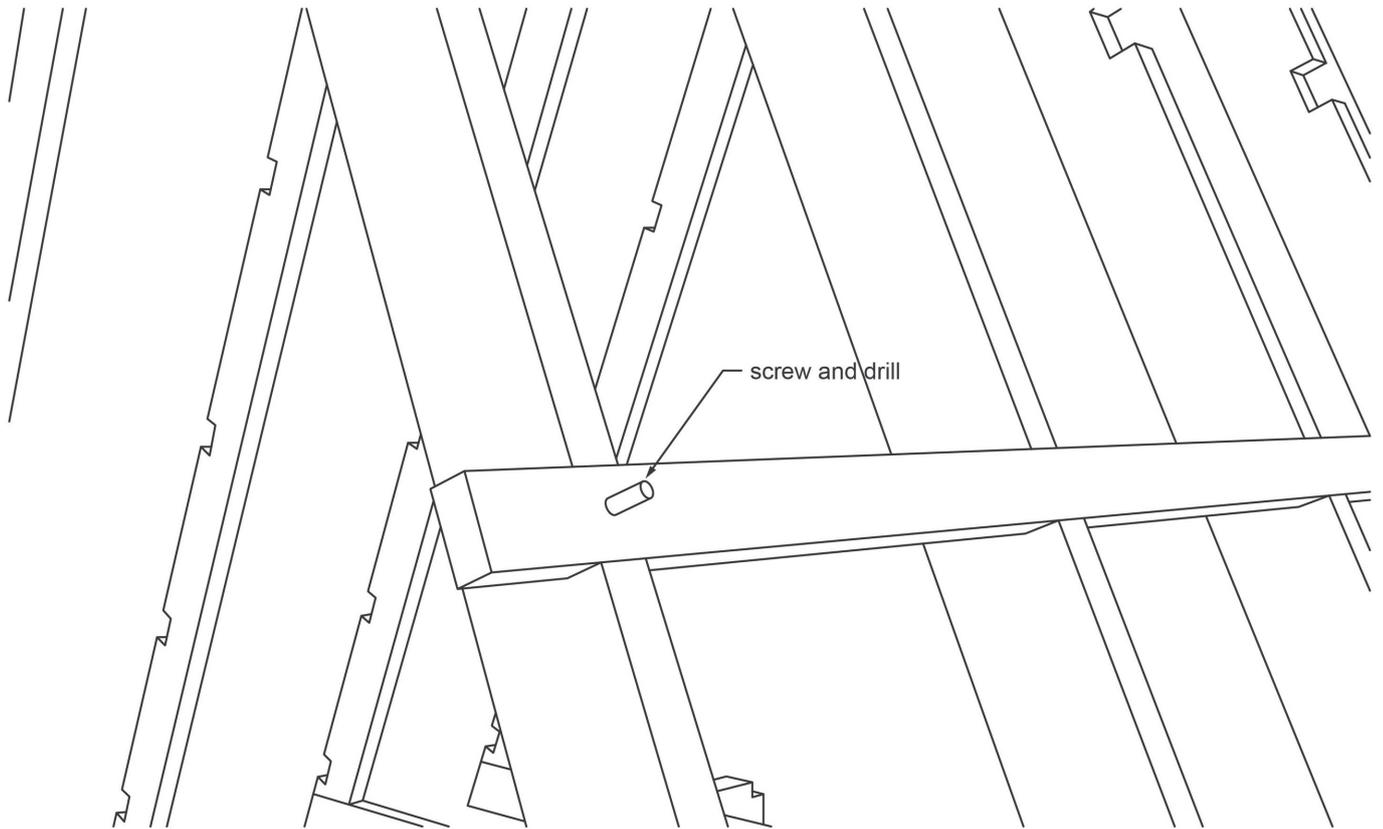
STAND YOUR TRIANGLES



It's easier to start with the centre triangles. Starting from the second slot in the base, slide in the triangles one by one. They will stand up straight, no problem.

STEP 6

LINE UP THE TRIANGLES

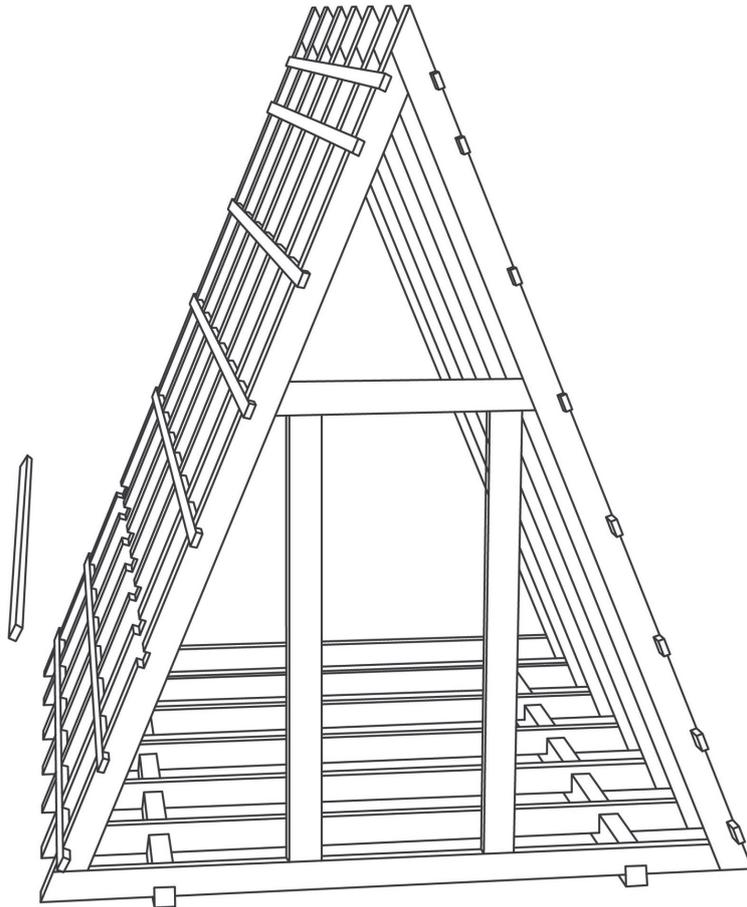


Once all the central triangles are installed, grab one batten. These are labelled BATTENS and are labelled as to which end they should point. Install one batten, be sure to line up the batten with each triangle and screw it off.

It's the same process for each end truss.

STEP 6

COMPLETE THE BATTENS



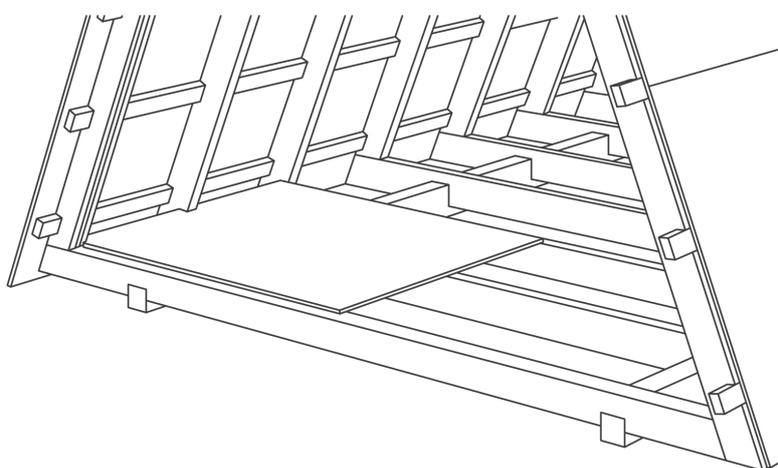
Install the battens from bottom to top, double-checking the triangles are lined up with the batten marks.

Once you get too high by foot, you can use a ladder leaning against the A-frame to complete the battens.

Screws needed are labelled with a compass.

STEP 7

INSTALL YOUR FLOORING



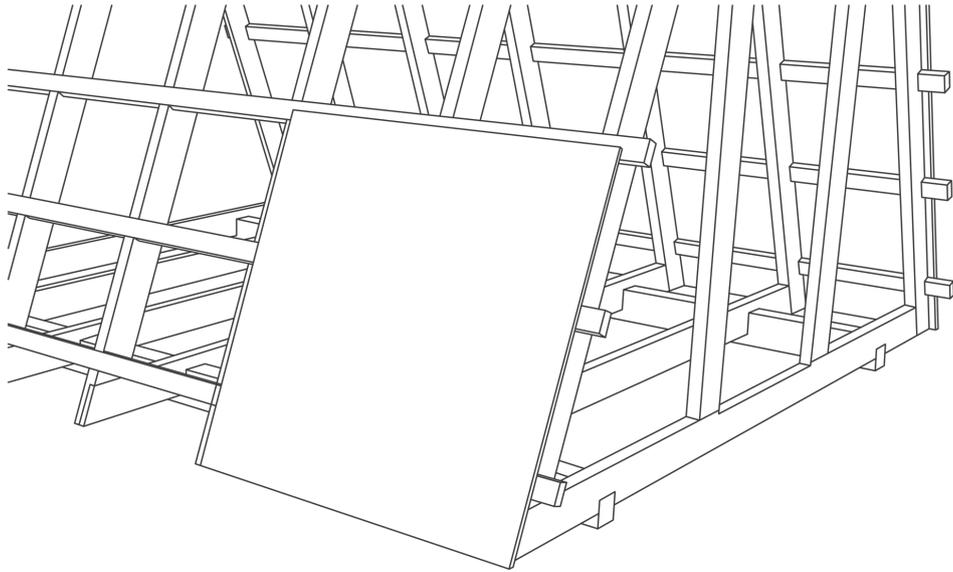
The flooring has been pre-cut for you and numbered. Would you please start from the left-hand side of the cabin to the right-hand side? Start with number one and make your way through. The flooring has been pre-drilled. Use the screws provided to secure it off once you have it all in place.

We suggest you seal your flooring before use.

Screws needed are labelled with a swiss army knife.

STEP 8

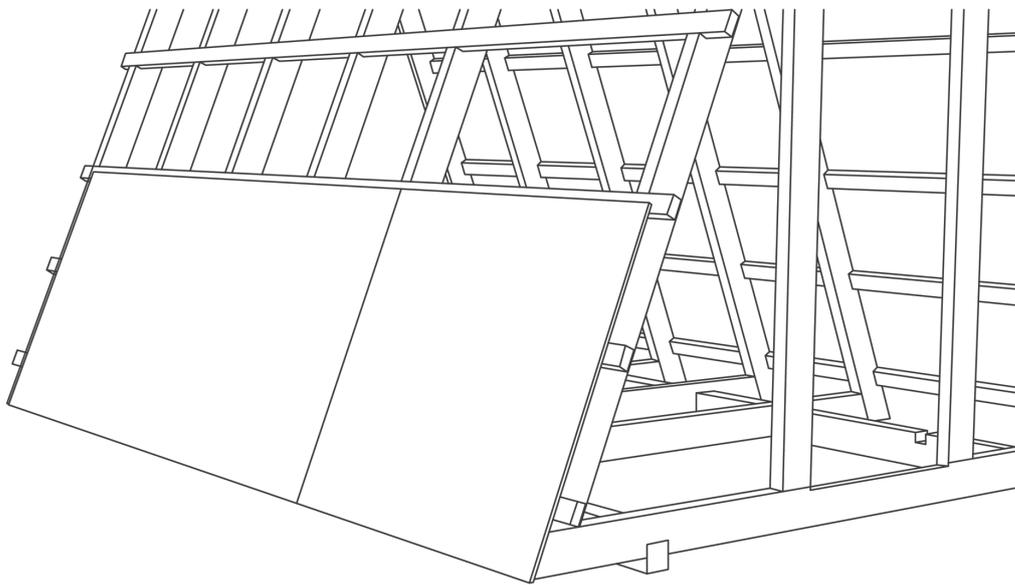
SQUARE UP YOUR A-FRAME WITH PLY



Starting at any corner, sheet number one square up your A-frame. The plywood should line up with the bottom of the side of the triangle. Screw off the plywood using the predrilled holes to help.

STEP 8.1

COMPLETE INSTALLING THE PLYWOOD



The plywood wall panels are numbered right to the left, and this is the order you should install them. Example bellow.

4,3

2,1

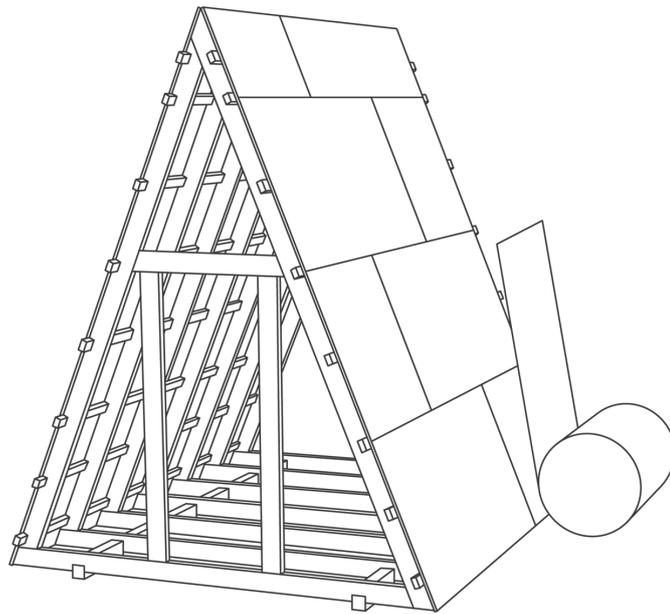
One being the first starting from the right and so on.

Install and screw off the plywood one piece at a time.

Once you get too high to reach from the ground, you can lean a ladder against the A-frame to complete installing.

STEP 9

INSULATE YOUR CABIN



Run your installation up and over the A-frame, the label should be facing out.

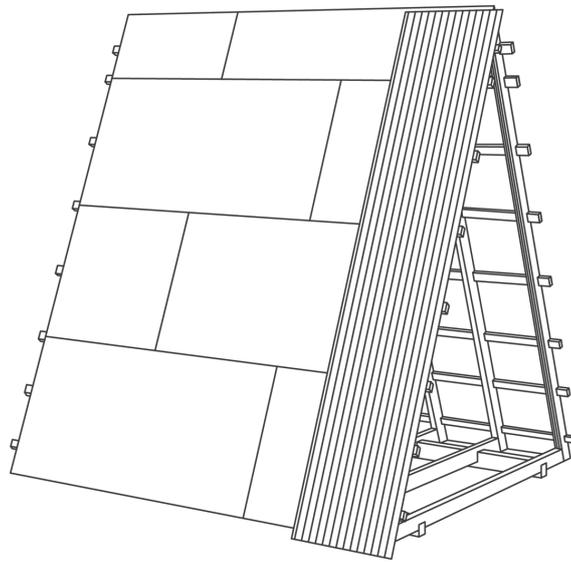
Then use the tape provided to tape the joints.

Once the insulation is in place you will need to cut out around the vents at the top to allow the air to flow. use a sharp knife and cut around the outside of the aluminium flat bar.

The screws needed are any screws you have lying around.

STEP 10

INSTALL YOUR ROOFING



Starting from any corner, install your first roofing sheet. The roofing sheets should pass the plywood at the bottom by 20 mm or 2 cm.

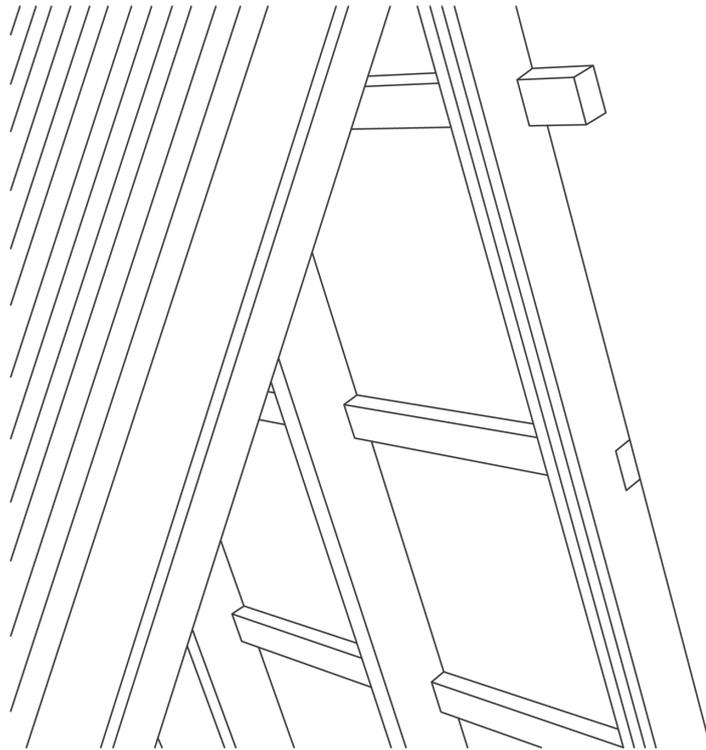
You can determine the top of the sheets by the holes that run along the top.

The roofing sheets have been pre-drilled, so once you line the first sheet, install two screws to hold it in place at the bottom. Then use a ladder to install two screws at the top, making sure it lines up with the end of the battens.

Repeat the process adding sheet by sheet, overlapping one corrugation per sheet.

STEP 11

INSTALL YOUR CORNER CAPPINGS

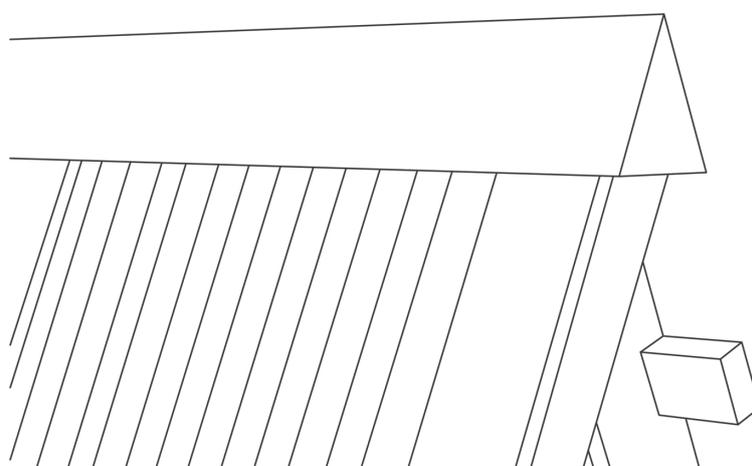


These corner cappings have been prepared for you, ready to stall. Install capping one corner at a time. Repeat the process on all four corners.

There is a video that better explains this.

STEP 12

INSTALL YOUR RIDGE CAPPING

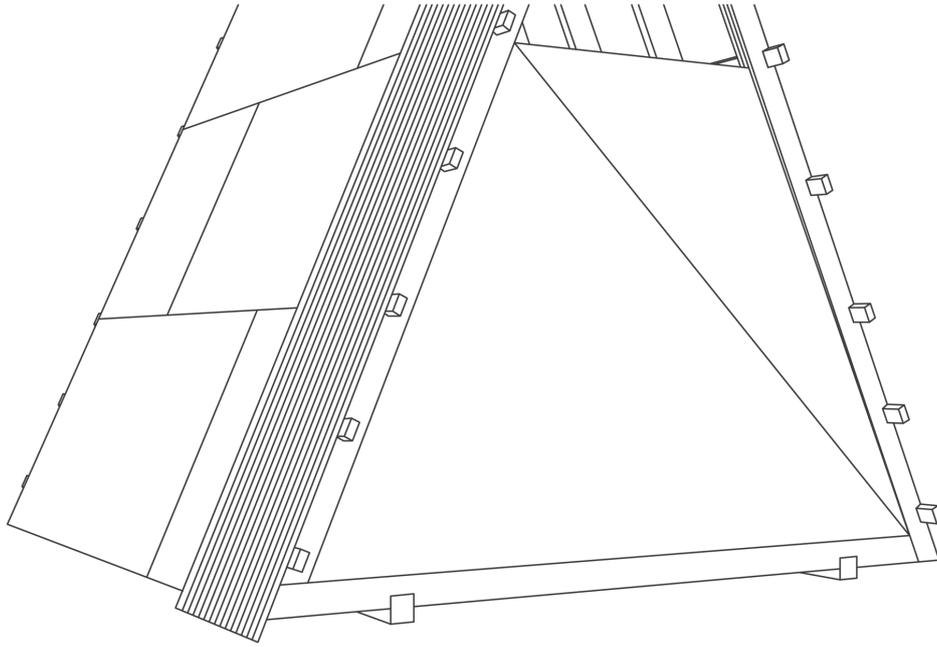


The ridge capping is the triangle piece on top of your A-frame. Be careful! Installing this capping is the most dangerous part of the installation, so please take care. The ridge capping will sit on top of the A-frame and needs four self-tapping screws, one in each corner in the pre-drilled holes to keep it in place.

The screws needed are labelled with binoculars.

STEP 14

INSTALL YOUR PERSPEX WINDOWS



In your kit is two tubes of transparent silicon.

Use this silicon to create a waterproof barrier between the window frame and the Perspex.

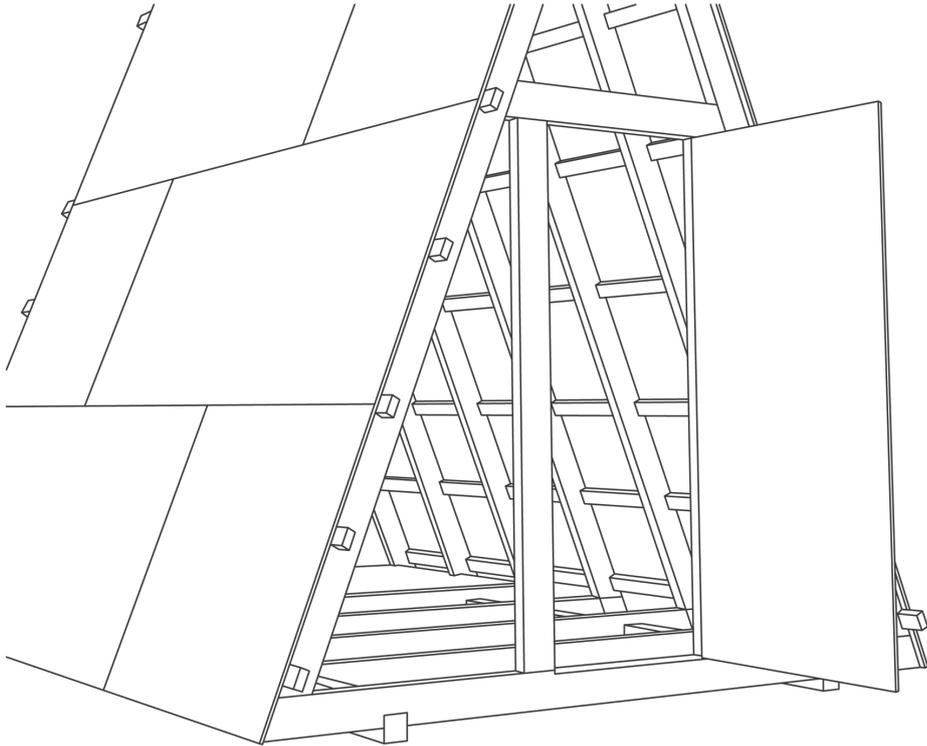
Squirt a consistent even bead of silicon in the frame—roughly the thickness of a pencil.

Then place the Perspex in place and screw it off. Start from the bottom and make your way up. Once you have screwed off your Perspex, you can remove the outer layer of protection.

Use the same silicon to join the Perspex where needed.
Refer to video.

STEP 15

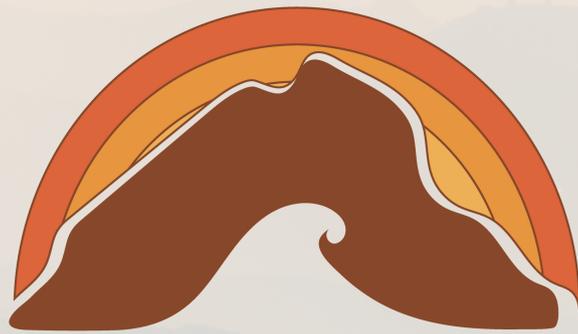
INSTALL YOUR DOOR



Hanging your door is the final part of your cabin assembly.

You will see that hinges screws are on the door. Use the screws provided to attach the door to the door frame.

Then use the door trims to frame the inside of the door, closing it off to wind and rain.



SALTY BUILDS

**Carbon neutral cabins and tiny homes
Byron Bay, NSW**