



**ASSEMBLY
INSTRUCTIONS**

FIELD SHELTER

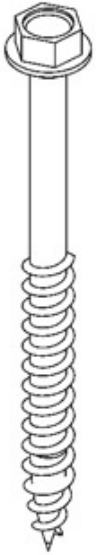
AUGUST 2021

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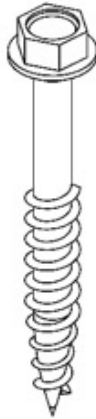
FITTINGS

100mm
M8 Turbo
Coach
Screw



1

70mm
M8 Turbo
Coach
Screw



2

32mm
Roofing
Screw



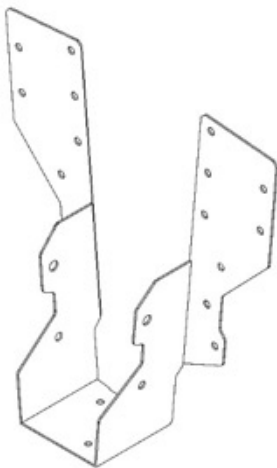
3

40mm
Nail



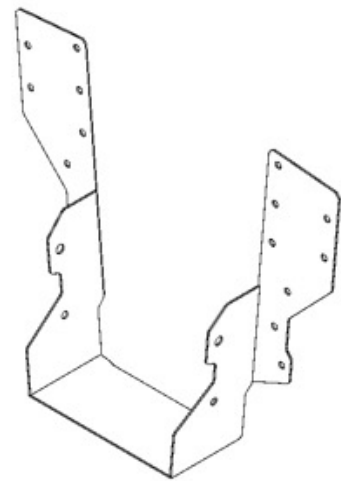
4

Single Hanger



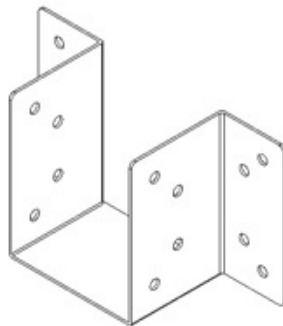
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Double Hanger



7

Mini Hanger



6

BEFORE YOU START

SITE PREPERATION

To ensure the building is built to the best possible standard it is critical that the base is flat and level.

This will help to ensure that when the roof panels are fitted they align correctly and create the best possible fit.

We recommend ensuring that there are no overhead wires that may cause an injury where you intend to install the building, and you ensure the site is safe from other obstructions.

DELIVERY

Access to site, should be a minimum of 10ft wide, firm ground with no obstructions.

The delivery of the building will normally be made with a van and trailer, this needs easy access to the location to allow offloading and space to manouver (allowing entry and exit)

There should be no live animals or children in the area they are unloading.

Building components are heavy and large, a minimum of 2 people are required to unload and install.

If the site is not safe to undertake delivery / unloading we reserve the right to refuse for safety reasons. This will mean that the goods are returned to base and redelivered (when the site is corrected) please be aware is this may then incurr an additional delivery fee.

INSTALLATION (When purchased)

Upon arrival staff will carry out a risk assesment to ensure the site / conditions are safe to undertake the work. (This is a legal requirement)

RECOMMENDED TOOLS

The below is a list of tools we suggest are required.

- Hammer
- Impact drill for coach screws or drill
- Drill bits (Wood and Metal)
- Saw
- Tape measure
- Speed clamps
- Spirit Level
- Spade (for leveling ground for skids)

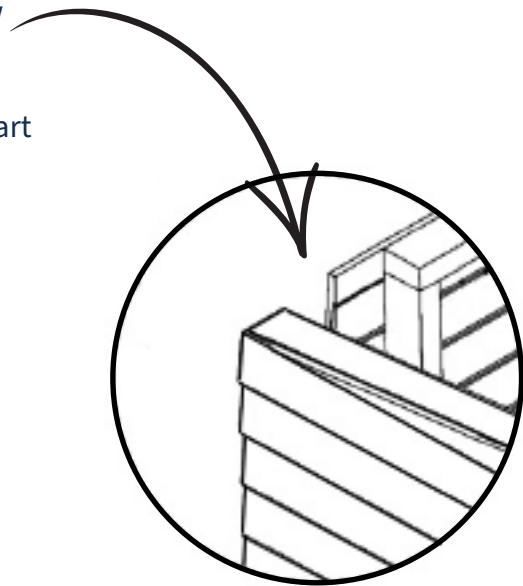
BUILDING LAYOUT

Before starting the installation of your new building we recommend taking time to lay all the panels out. Ensuring you have the correct panels in the correct position to help make installation more efficient.



Please be aware that the corner panels (front & back) will have an over hang of the feather edge to allow the side panels to fit flush.

The side panel have a taper top, with the lowest part at the back. (The side is made up of 2 panels)



SKID ASSEMBLY

If you are using Skids, these need to be set up first.

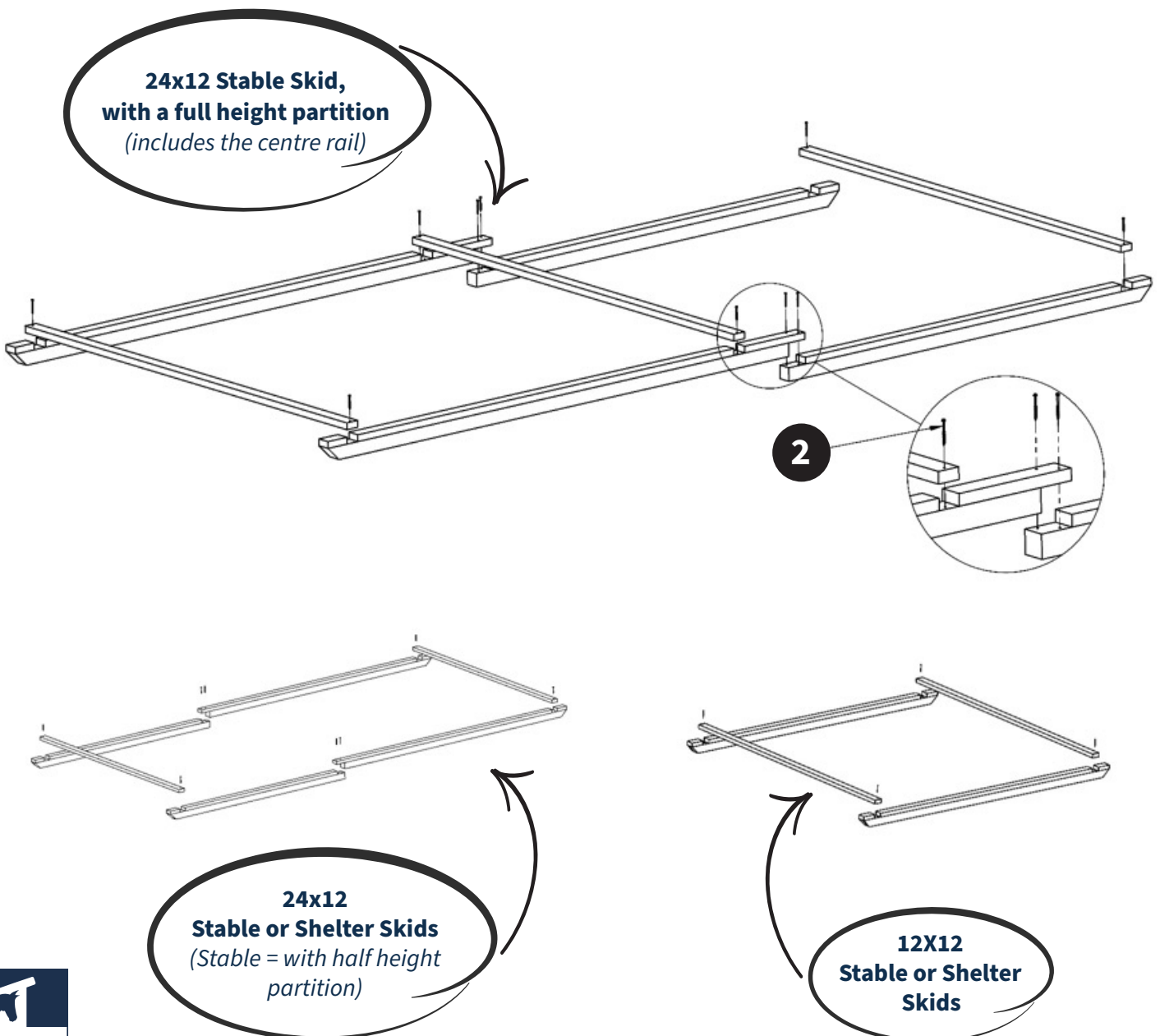
It is essential that you start by ensuring the ground beneath the skid is level and flat, *(some digging may be necessary to get this level)*.

Time spent now to create a level base will ensure a good fitting roof.

Its is also critical that the skids are assembled square, so all corners are at right angles *(This can be done using a 3,4,5 triangle as a guide, or by checking the diaganl lenghts are equal)*

Skids are supplied as a kit form and require assembly, examples shown below.

(required fittings are shown in diagram below)



WALL ASSEMBLY

STEP ONE - Start by assembling the corners of the building

At this stage the tackroom is not to be assembled - this comes later in the build

Place the panels ontop of the skids, aligning the feather edge to stand proud of the outside edge of the skid, so the frame work of the panel is flush with the outside edge of the skid.

Use 4 x Fitting No.1 to screw the side panel to the back panel (see notes on page 3 to ensure you have the correct corner panels)

If you are using an impact drive, these fittings can be directly screwed through the frame. Without an impact driver we recommend a pilot hole is drilled.



1



TIP

Getting your panels to fit flush on the top will allow the roof to fit better

NEXT

Continue to attach the back panels using 4 x Fitting No. 2

(Back panels are the lower height panels - normally 7' tall. Ensure the feather edge is the correct way up)

Evenly space each screw down the frame work.



The use of Speed clamps makes this job much easier and allows you to position the panels squarely by clamping into position then screw the fittings into place.



Aim to keep the panels as level as possible. Timber is a natural material so these wont always be perfect.



At this stage you should have all the back and first side panels assembled. You can now attach them to the skids using 3 No.1 Fittings per panel

STEP TWO - Fitting the front panels

(remember the front corner panels have an overlap on the edges that sit flush with the side panels)



Fit the side and front panels together with 5 No. 1 Fittings, using the same method as shown on page 5.



FOR MULTIPLE BAY SHELERS - Use the double rafters to hold the central panels in place (details shown below)

Use the Large hanger (Part No.7) to fit the double central rafter to the back panels. (rafters are 14' long)



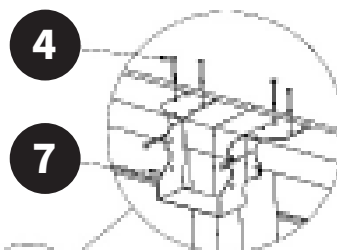
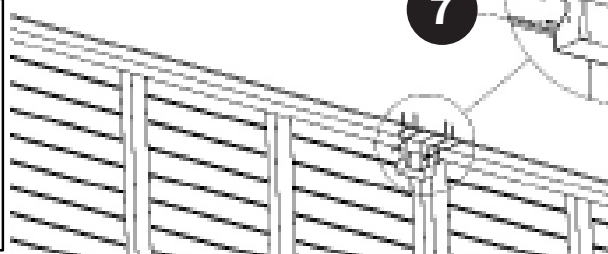
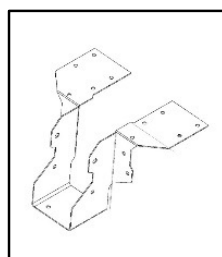
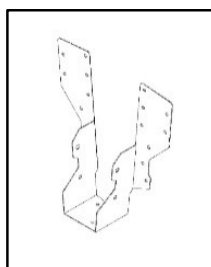
TIP

Fitting the hanger to the double rafter first, makes it easier to correctly align to panels



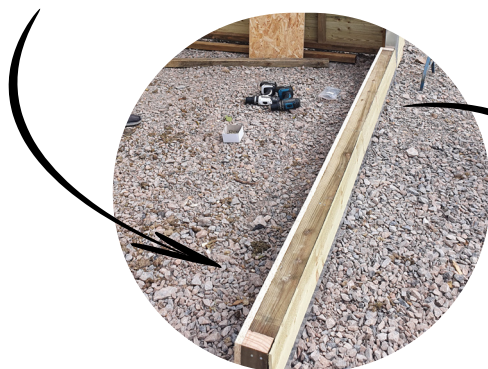
Care should be taken to line the hanger up with the notch in the front panel. On standard size buildings this will normally line up with the central panel joint at the rear of the building.

Fold the excess of the hanger over the top of the back panels. Ensure the top of the rafter is aligned with the top of the panel.



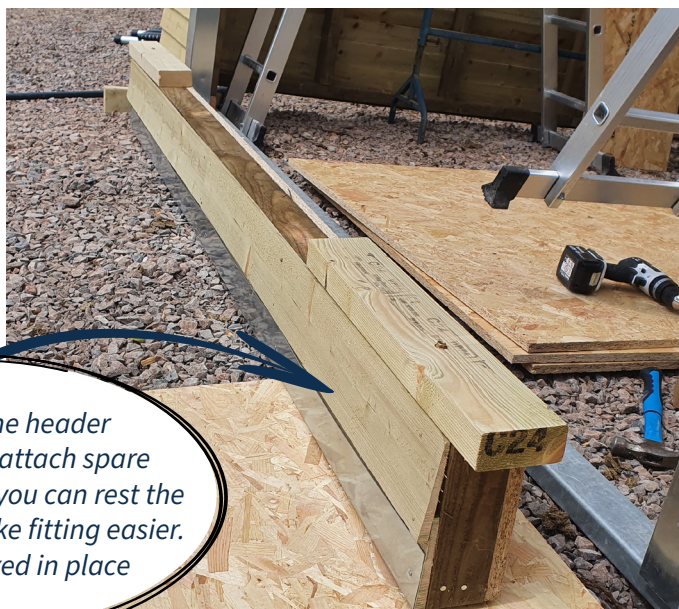
To help get the correct position for the front panels place the headers on the floor in each opening, this will allow for the correct spacing.

At this stage we dont recommend fixing the front panels to the skid untill all of the outer panels are in place correctly to ensure they fit together tightly.



Central panel can now be erected and the double rafter fixed in place at both ends to hold the central panel in position

Use a spirit level to ensure its vertical

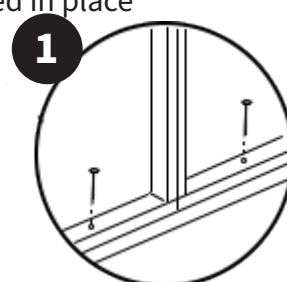


Headers can now be fixed into position using 2 x Fitting No. 2 each side

TIP
When fitting the header panel in shelters, attach spare timber to the top so you can rest the panel in place to make fitting easier. Remove once fixed in place

You should now have all the walls attached, with the centre double roof rafters fixed in place (on multiple bay buildings only)

You can now attach all panels to the skid. Using 3 x Fitting No.1 on each panel

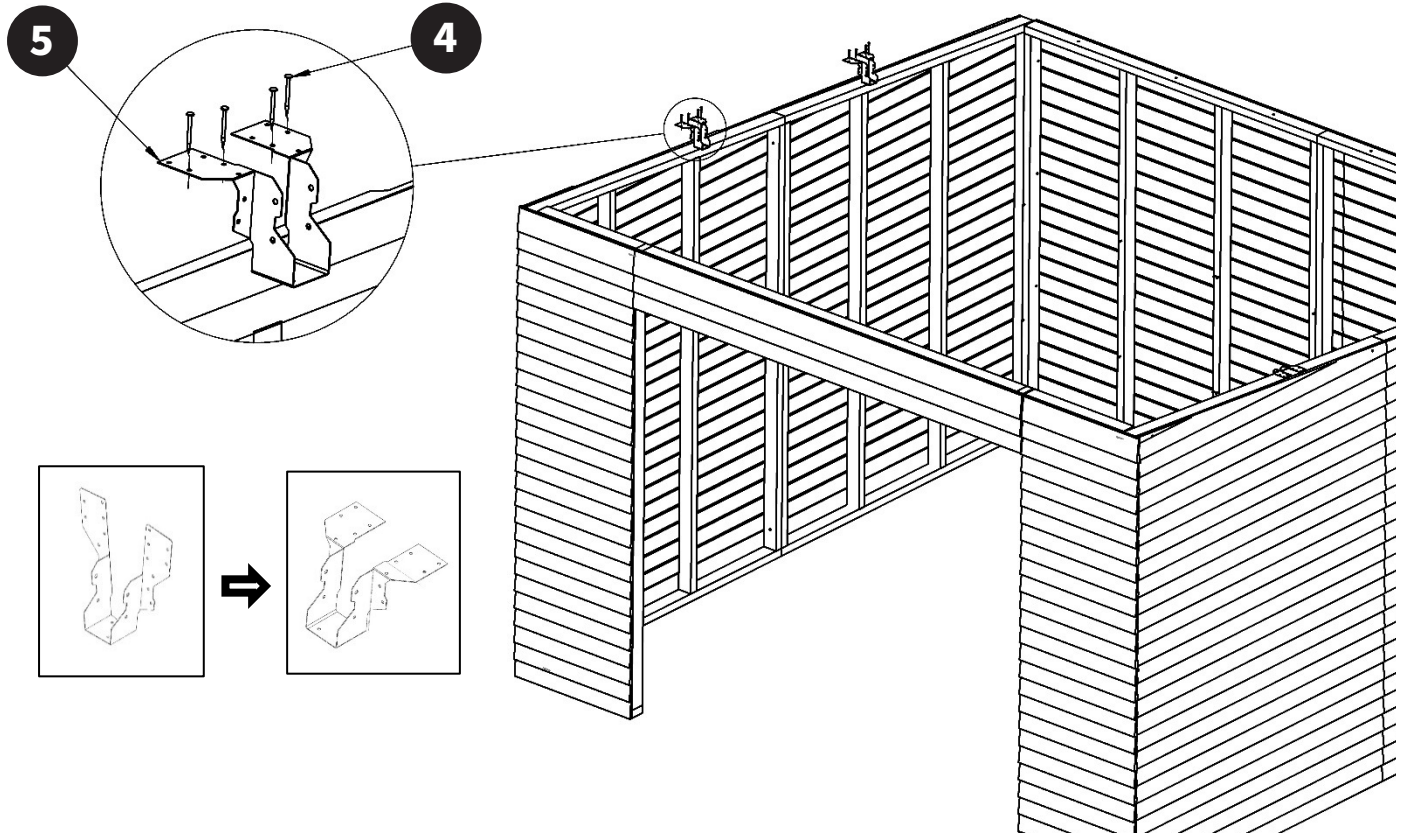


THE NEXT STEP IS TO FIT THE ROOFING TIMBERS.

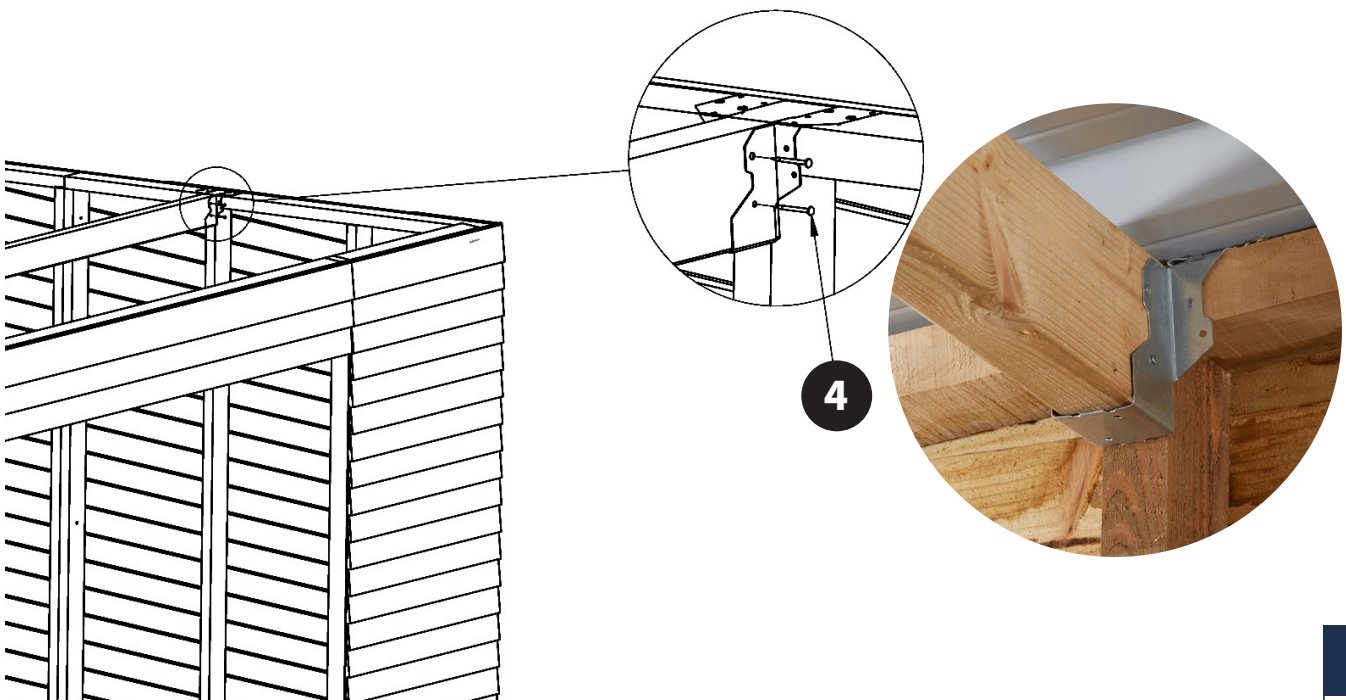
ROOFING CONSTRUCTION

To fit the internal purlins (2 per bay), use the single hangers (Fitting No.5) on either side of the bay (ensuring they are parallel).

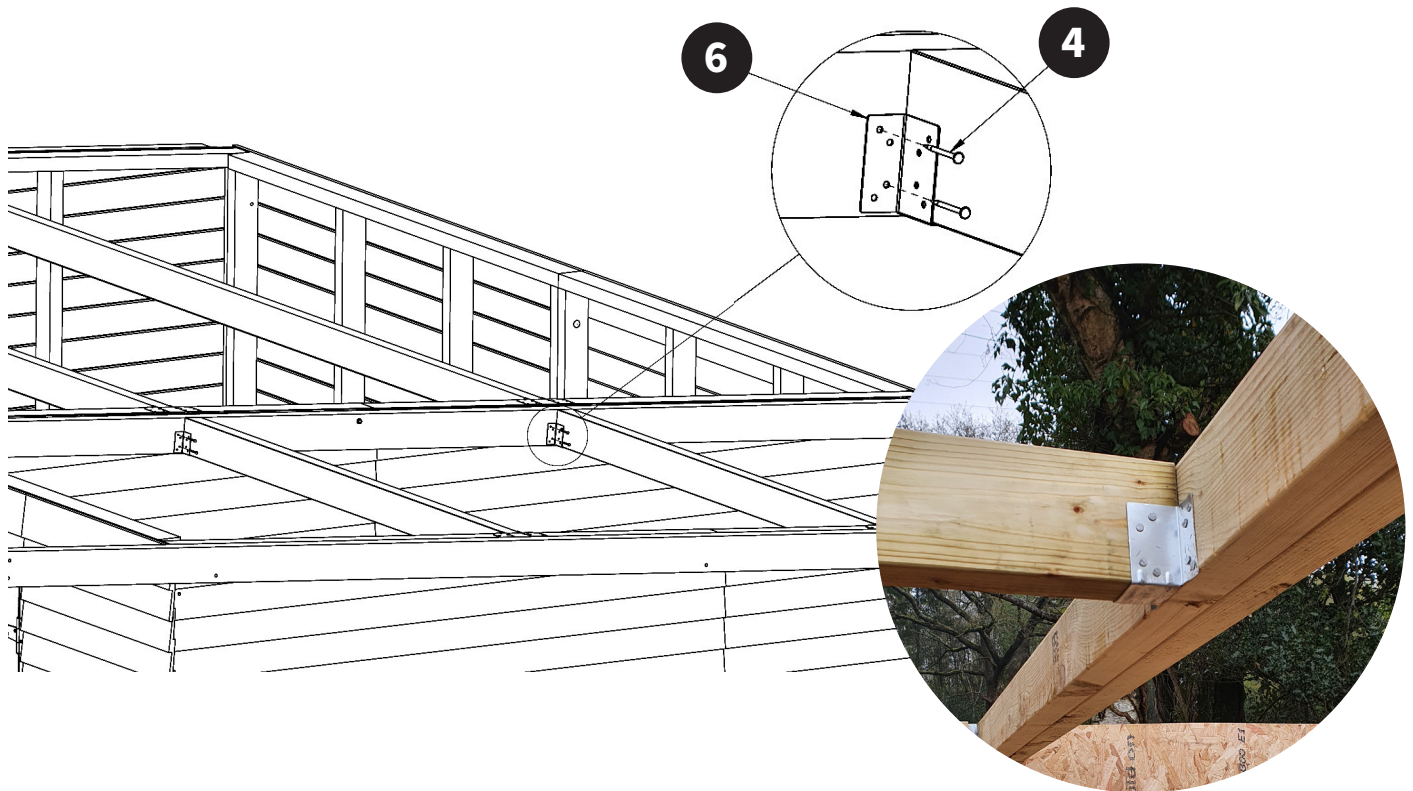
Fit the hangers in the same way as the central hanger on page 7, ensure the purlins are flush with the top of the panels. Fold the excess hanger over the top of the frame and nail in place.



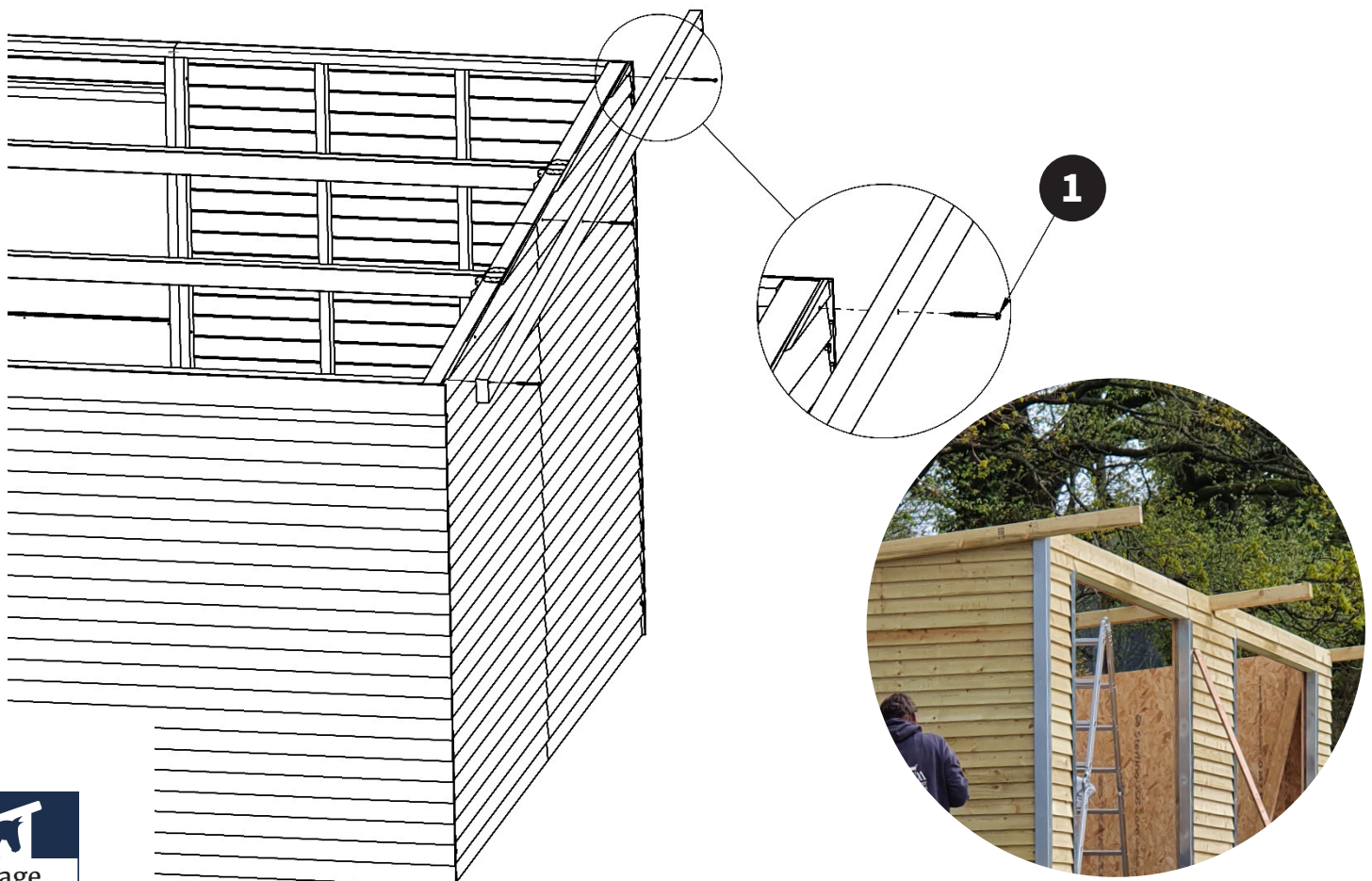
The internal roofing purlins may need trimming to fit inside the building
The purlins come as 12' lengths (please note the longer lengths - 14' are the rafters)



For building with a centre rafter, secure the mini hangers as shown to receive the cross purlins and fix them in place.



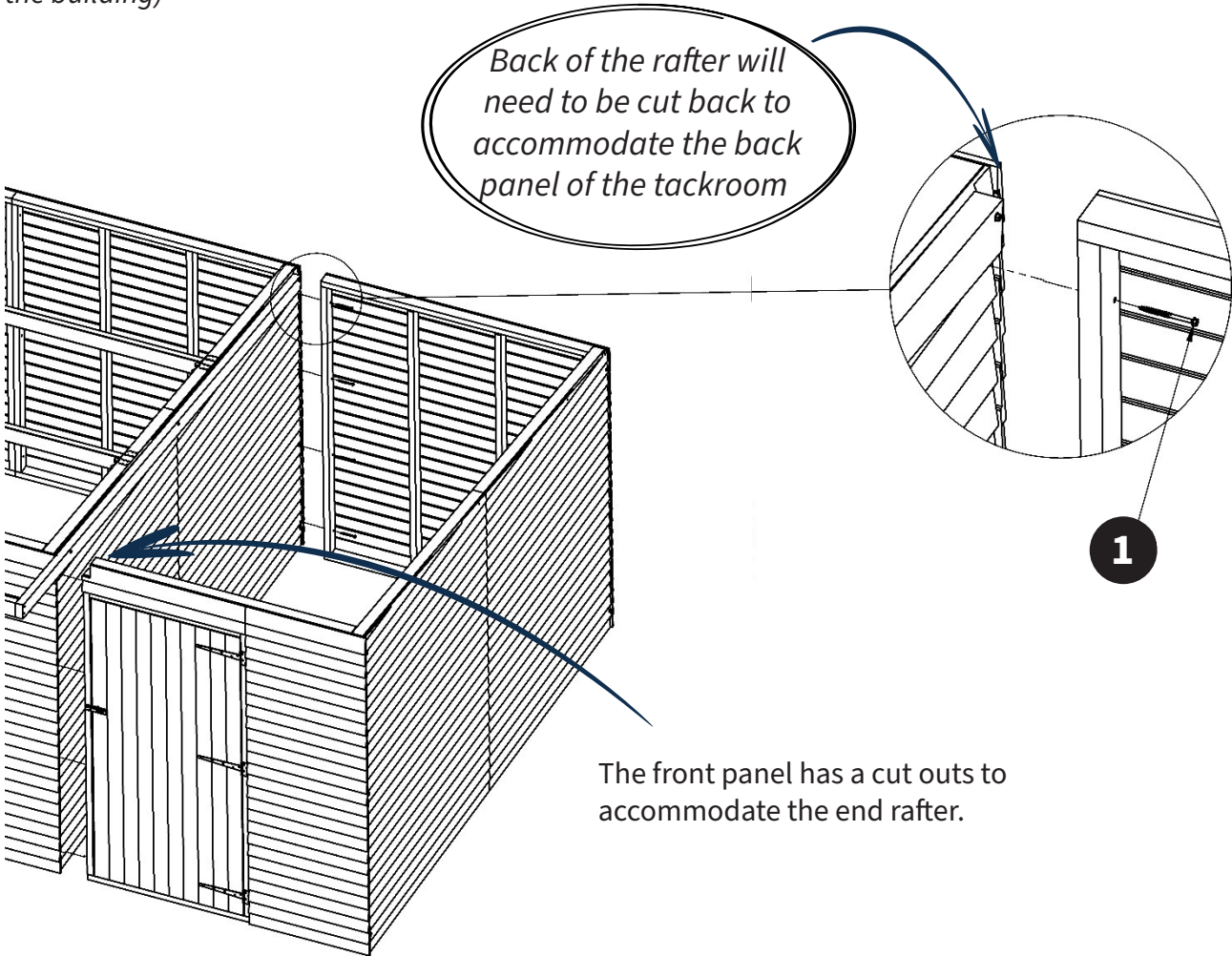
Attach the outer rafters to the outside of the building as shown using 3x Fitting No.1
The rafter should be flush with the back of the building



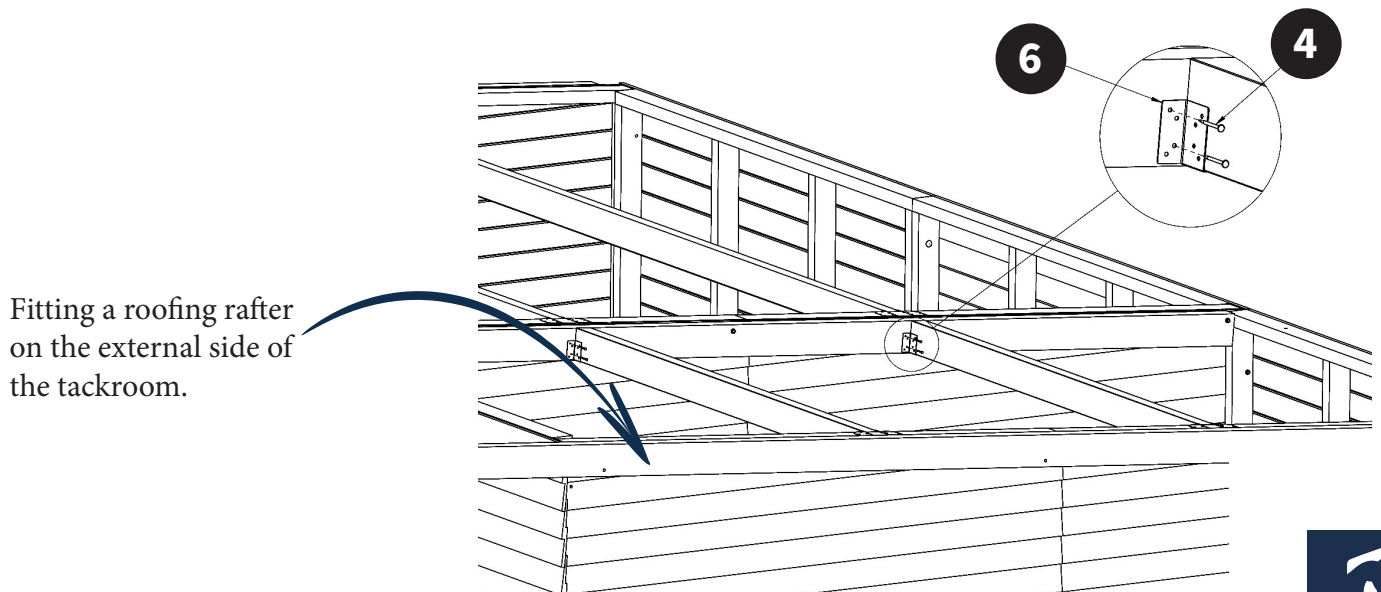
TACKROOM

If a Tackroom is purchase this will need to be added on the building at this stage.

Construct it on the correct end. (As standard this will be on the right hand side when looking at the front of the building)



Fix the roof purlins in the same method as the shelter, using the single & mini roof hangers (Fitting No.5 & 6) which should be inline with the main buildings purlins.



FITTING THE ROOFING SHEETS

Starting at one end flush to the external rafter, fixing the roofing sheets as shown below



We recommend allowing a 70mm overlap at the back of the building.

Fix roof sheets in bottom of gully using roofing screws Fitting No.3 (which are self tapping). The screws have rubber washers attached to stop water ingress
Overlap panels by one ridge and fix securely as you go to avoid walking on the sheets.

(Coloured cover caps are NOT included for the roof screws)



YOUR ROOF SHEETS SHOULD NOW ALL BE FITTED & SECURED

NEXT - Fitting the front rafters to support the overhang.



Cut the rafters to size



Fit final front purlin



Drill hole for Fitting No.1



Fit mini hangers to central rafter
(when required)



Now install final front purlin into
the mini hangers and screw Fit-
ting No.1 into the opposite end.

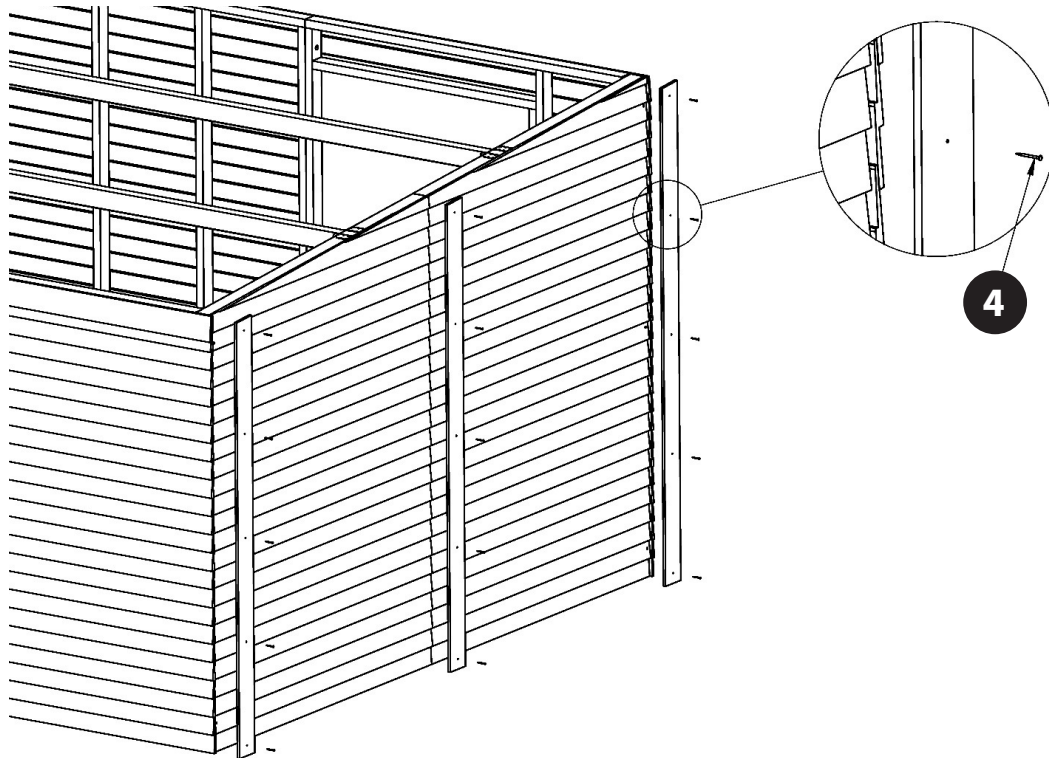
It is recommend to pre drill into
the end grain to reduce chances
of splitting.



*Bend mini hangers
as shown above.*

FINISHING TOUCHES

To help finish your building off and add some extra protection, timber cover strips are provided to cover joints between panels to help protect from rain ingress



A wooden trim that surrounds the roof is also provided. This is nailed to the purlins using Fitting no.4



A Metal cover that fits between the opening is also provided for the skids. This covers the skids and is fitted into place with nails (Fitting No.4)

If you have upgraded to the Metal Trim, these will replace the wooden covers for the corners and roof.



The Metal Barge board is fitted to the purlins using Fitting No.4 (*Coloured fitting caps are included*)

Fit the metal trims to the corners using the nails (Fitting No.4)



Remember to clear the site of any loose fittings etc before allowing animals into the building or surroundings.

YOUR BUILDING SHOULD NOW BE COMPLETE.

**ANY FEEDBACK PLEASE LET US KNOW, AND IF YOU GET A CHANCE PLEASE LEAVE
US A REVIEW ON FACEBOOK / GOOGLE.**

FEEL FREE TO TAG US IN ANY OF YOUR IMAGES.