

# The Cotswold Heavy Duty Gazebo (4200mm x 2700mm)

**Kennings**

## Component List

4 x Pergola Corner Posts	(125mm x 125mm)	2100mm / 2700mm	(A1)
2 x Pergola Centre Posts	(125mm x 125mm)	2100mm / 2700mm	(A2)
2 x Roof Frame (Front / Rear)	(145mm x 42mm)	2400mm	(B)
2 x Roof Frame (Sides)	(145mm x 42mm)	4400mm - Profile Both Ends	(C)
1 x Roof Frame (Apex Beam)	(145mm x 42mm)	4400mm - Profile Both Ends	(D)
2 x Roof Uprights (Front / Rear)	(92mm x 42mm)	550mm - Notched	(E)
24 x Roof Rafters	(92mm x 42mm)	1475mm - Angle Cut	(F)
12 x Corner Support Braces	(92mm x 42mm)		(G)
64 x Featheredge Roof Boarding	(12mm x 125mm)	2190mm	(H)
2 x Roof Joint Cover	(21mm x 100mm)	1450mm	(I)
1 x Roof Capping	(21mm x 100mm)	4400mm	(J)
100 x 100mm Wood Screws			(FIX1)
24 x 150mm Wood Screws			(FIX2)
400 x 50mm Coated Green Screws			(FIX3)



### Tools Required

Drill Driver  
PZ2 Driver Bit  
Pilot Drill Bit  
Pencil  
Tape Measure  
Spirit Level

A minimum of two people are required to assemble this gazebo.

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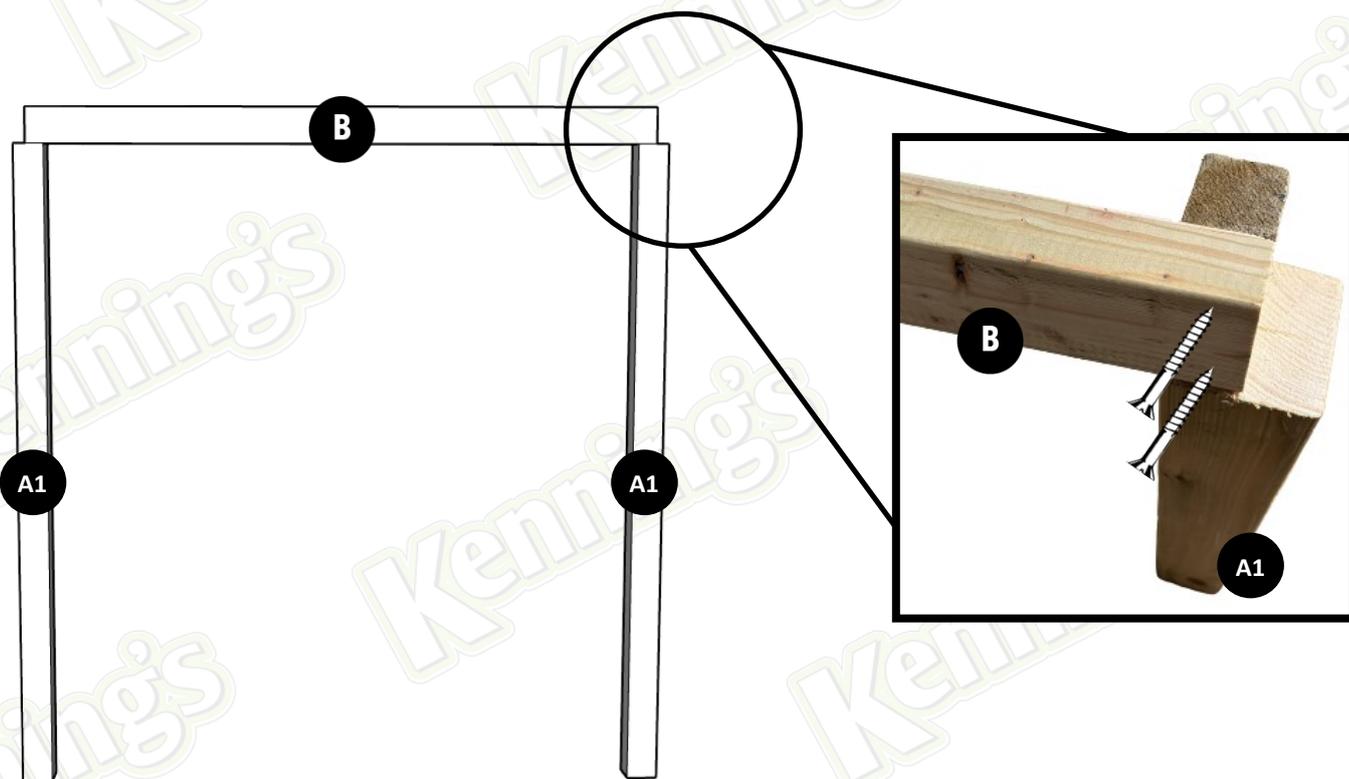
## Step 1

*\*To prevent splits, drill a pilot hole before driving screws\**

To begin your gazebo build the first step is to create the frame, starting off by fixing the Roof Frame (**B**) to 2 of the Corner Posts (**A1**) as per the below diagram using 2 x 100mm Wood Screws (**FIX1**) at either side.

Repeat the process for both sides.

Note that the roof frame timber sits inside the post as shown below, flush with the upstanding notched piece of timber left on the top of the post, these notched pieces will be the internal corners.



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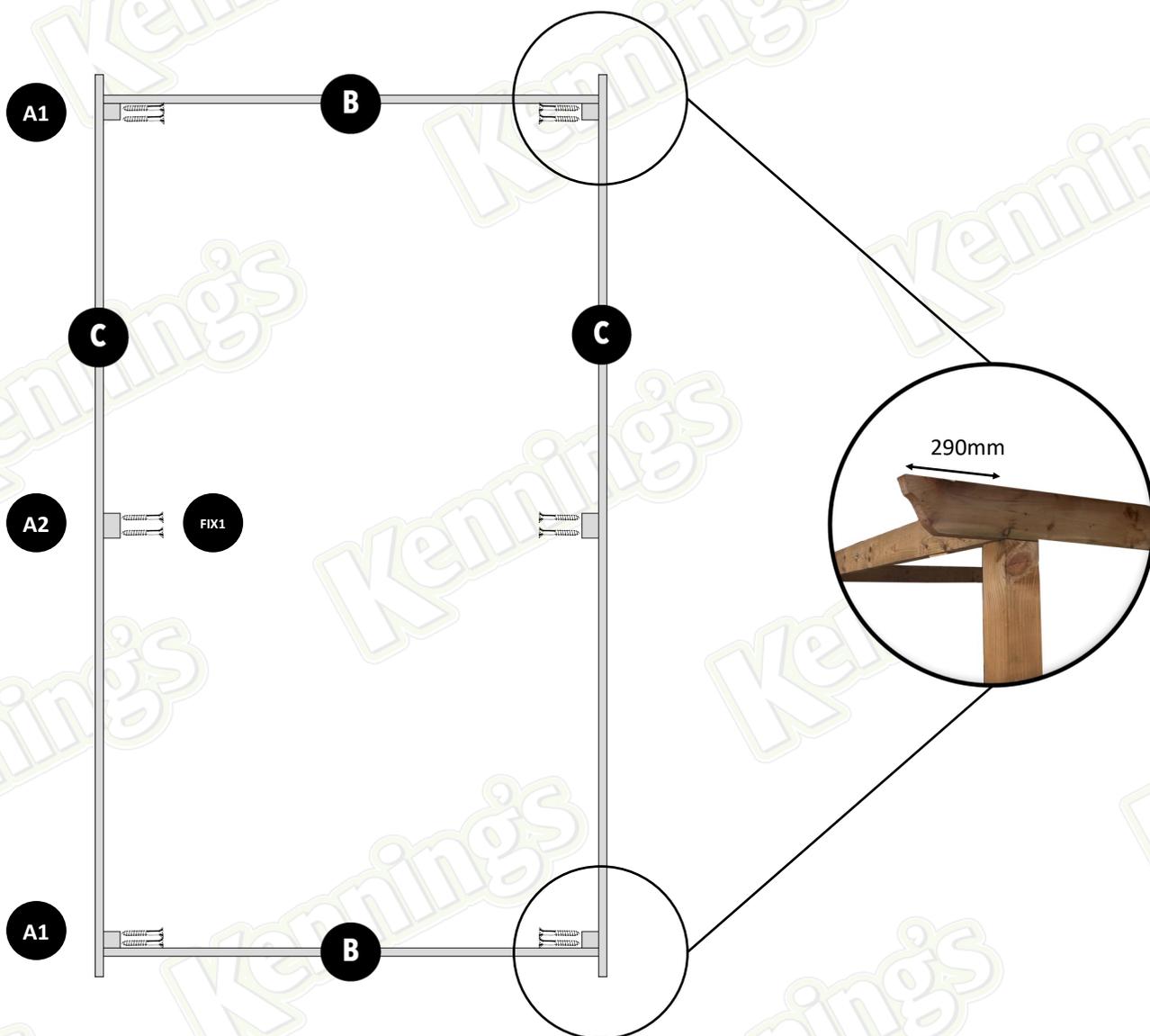
## Step 2

*\*To prevent splits, drill a pilot hole before driving screws\**

In order to join the two frame sections that you made in step 1, the Roof Frame Sides (C) need to be put in place and fixed into position using 2 x 100mm Wood Screws (FIX1) at each point of contact.

At the front and the rear there will be a slight overhang of 290mm, which should account for the profiled section of the rafter.

With the front and rear sections joined together, the Centre Posts (A2) can then be installed, simply measure to the middle point and secure in place using 2 x 100mm Wood Screws (FIX1) per side.



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## Step 3

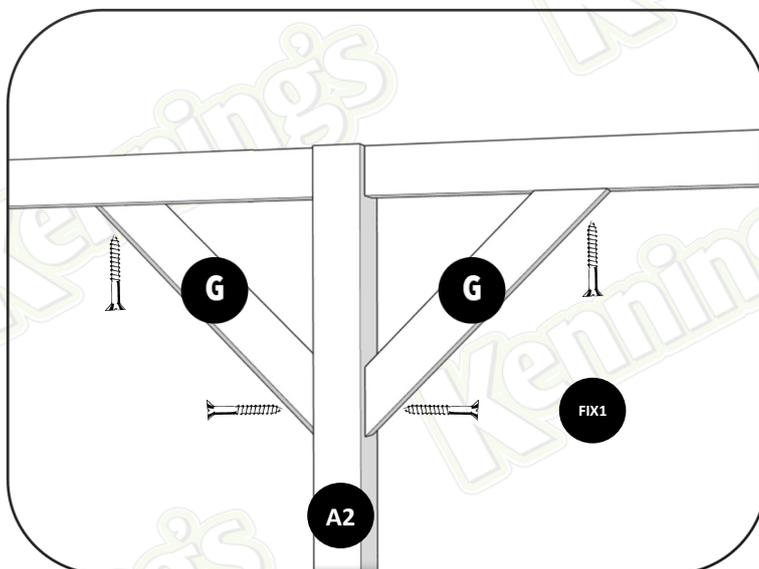
*\*To prevent splits, drill a pilot hole before driving screws\**

In order to create some rigidity in the frame, install the Corner Support Braces (**G**) and secure in position using 2 x 100mm Wood Screws (**FIX1**), one in the top into the frame and one at the bottom into the post.

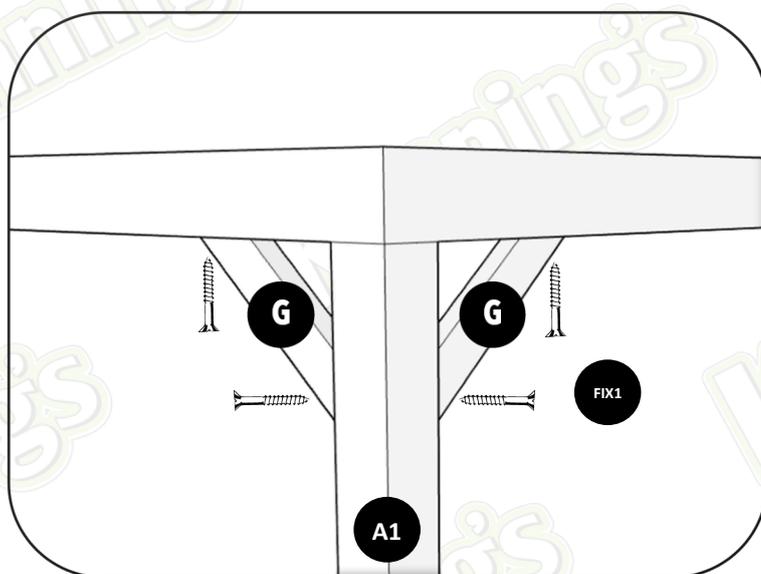
Repeat this process on all four corners, in both directions and to the sides of the centre posts.

See below diagrams for reference.

MIDDLE POSTS



CORNER POSTS



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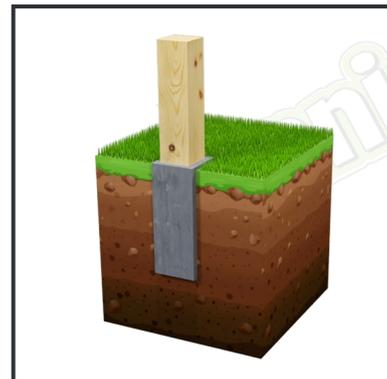
## Step 4 - Securing your Gazebo

Depending on your kit and post option you will need to follow one of the following options for each of the posts in your kit.

### Option 1

#### Concrete In

Excavate holes for the pergola posts. These need to be to a depth of between 300mm and 600mm based on your preferred finished height, then filled with concrete / postmix (Sold Separately).



### Option 2

#### Bolt Down Anchors

Attach the Bolt Down Anchor to your concrete area, drill an 8mm hole using an SDS drill bit, ensuring the hole depth is 10mm longer than the bolt length to allow for dust. Remove any loose dust and fix the bolt into place through the holes provided in the anchor. Slot your pergola post into the bolt down and tighten the 2 bolts at the side of the anchor to secure whilst making sure the post is straight.



### Option 3

#### Steel Spikes

Using the Mett Driving tool and a sledge hammer or something equivalent drive the steel spike into the ground. Once post is in position tighten the 2 bolts on the side of the spike to secure post in place.



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## Step 5

*\*To prevent splits, drill a pilot hole before driving screws\**

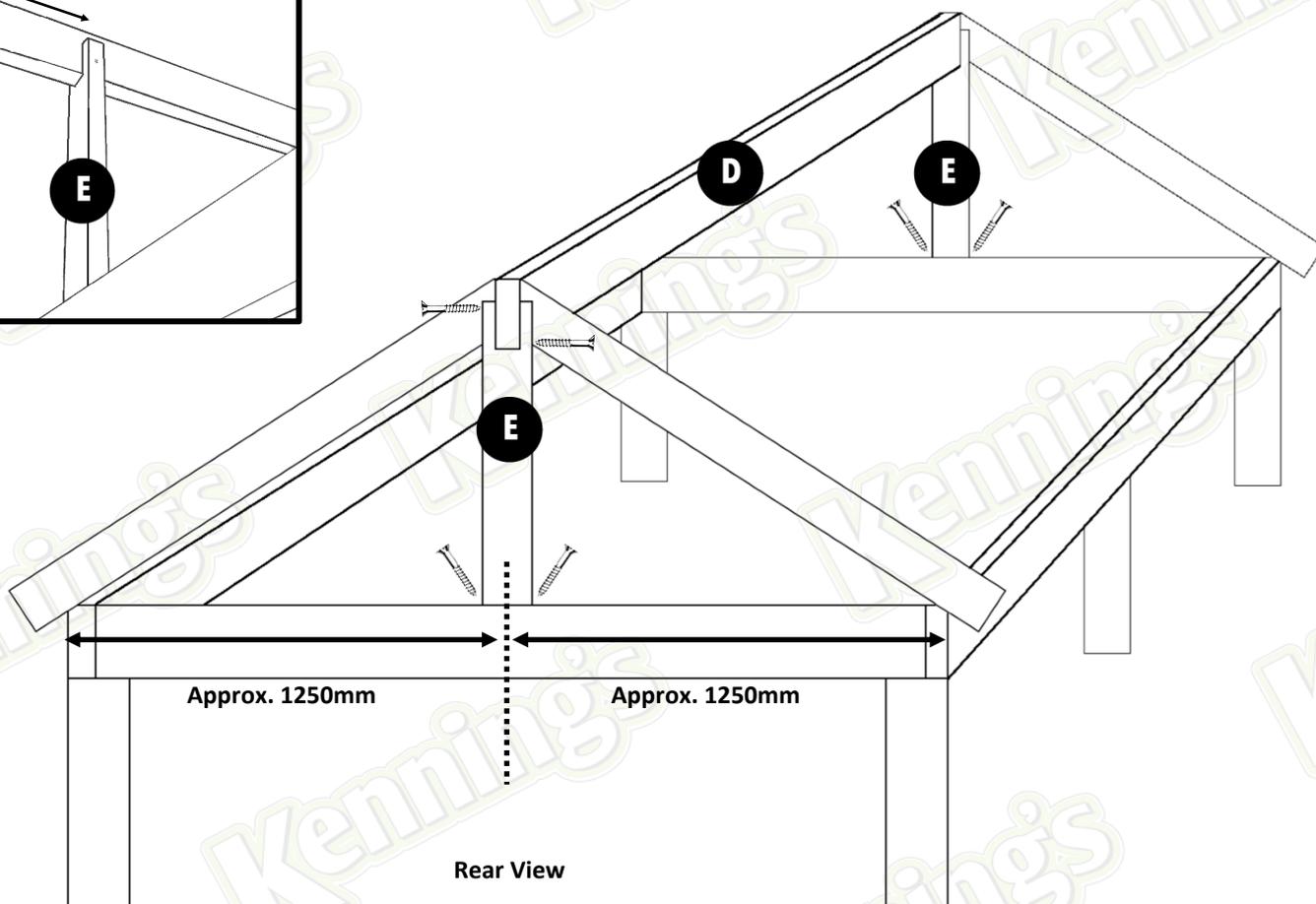
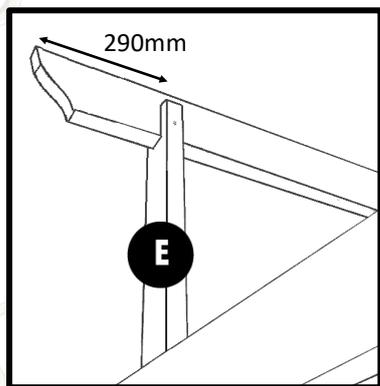
To begin creating the roof structure, the 2 x Roof Uprights (E) and Apex Beam (D) need to be fixed into position.

Starting by measure to the centre of the front / rear (approx. 1250mm) and attach the Roof Upright (E) using 2 x 100mm Wood Screws (FIX1) driven diagonally through the side of the upright and into the timber below, the back edge should sit flush with the frame. Repeat at the other end.

With both Roof Uprights (E) now secured, the Apex Beam (D) can be slotted into position and fixed into place using 2 x 100mm Wood Screws (FIX1), this timber should overhang approx. 100mm at the front and rear end as per the sides.

When fixing the Apex Beam in place we recommend one screw to go at the top through the side and the other lower down to avoid them hitting one another, see below.

Front / Rear View



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## Step 6

*\*To prevent splits, drill a pilot hole before driving screws\**

To complete the roof frame, the Roof Rafters (**F**) need to be now installed. These are secured using the bigger 150mm Wood Screws (**FIX2**) along the bottom, as they need to be driven right through the rafter from the top and down into the frame.

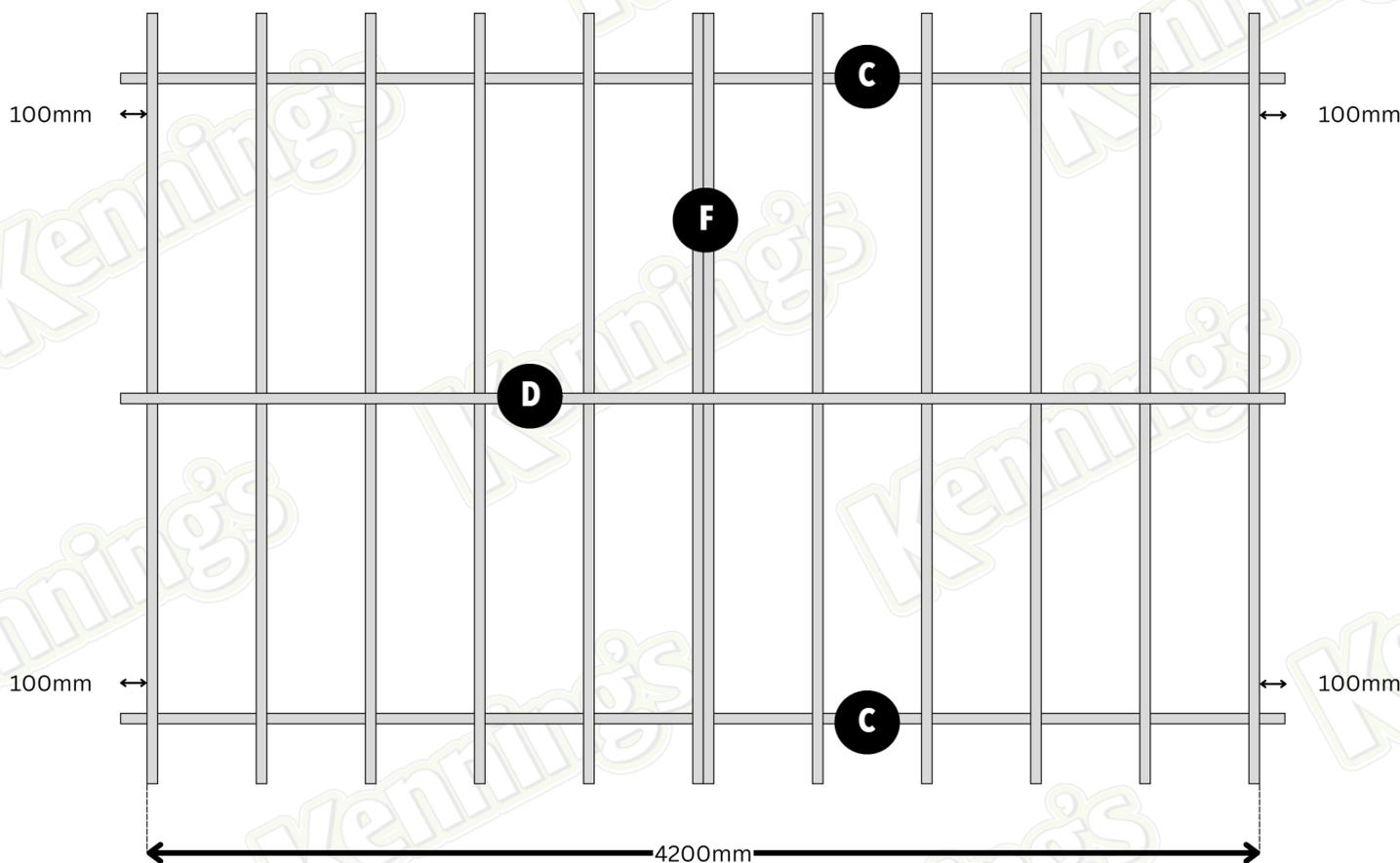
To attach to the Apex Beam (**D**) at the top, the Roof Rafters (**F**) are attached using 100mm Wood Screws (**FIX1**), one side can be driven directly through the backside of the timber and into the rafter whilst the other has to be driven in from the top of the Apex Beam (**D**) on an angle since the first rafter will be in the way to do the same on both sides.

Attach the front two rafters, and rear two rafters first, by doing this it will help to set out the spacing for the remaining rafters, these should sit 100mm back from the end of the profiled beam below making the measurement between the outside edges of the front and back rafters 4200mm, this measurement is the same as the Roof Boards (**I**) which will be installed in the final step.

Then add the central two sets of rafters which will sit directly on top of the centre set of posts, here you will have two pairs of rafters that are butted against one another, this is to create the strength in the frame to support the weight of the roof.

The remaining rafters are to be installed so they are evenly spaced between the front and rear sets (approx. 370mm).

See below diagram for reference.



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## Step 7

*\*To prevent splits, drill a pilot hole before driving screws\**

Due to the length of the roof, the cladding is put on in two halves, front to centre and centre to rear.

Starting from the bottom of the roof frame, lay the first piece of Featheredge Roof Boarding (**H**) in to place, flush with the end of the front rafters and first of the central pair of rafters, securing in place using 1 x 50mm Coated Green Screw (**FIX3**) into each rafter below. Total 6 screws per board.

Remember to leave a 20mm overlap on each board and to screw through the thick part of the featheredge board.

Repeat the process on both sides of the roof until your structure is completely covered.



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## Step 8

*\*To prevent splits, drill a pilot hole before driving screws\**

The final stage to complete the roof, and the build, is to install the Roof Joint Covers (**I**) and the Roof Ridge Capping (**J**), the Joint Covers (**I**) are to cover where the cladding meets in the middle of the roof and Ridge Capping (**J**) along the apex to prevent any ingress of water.

Both pieces are secured in to position using 100mm Wood Screws (**FIX1**), approximately 4 each side for the Joint Covers (**I**) and 10 for Ridge Capping (**J**), if you need to use more there should be plenty left in your fixings.



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