



RUTLAND COUNTY  
GARDEN FURNITURE

*Hand-Crafted*

# ASSEMBLY INSTRUCTIONS

## THE WALL MOUNTED BOX PERGOLA

Before you commence the assembly process we recommend that you read these instructions thoroughly beforehand to familiarise yourself with the assembly process and to also check that you have the correct components. If for any reason you need assistance, you can find our contact details on the final page of these instructions.

We highly recommend that any assembly is carried out on an open flat, level surface if possible with sufficient space. You will also require the assistance of at least 2 adults to complete assembly safely.

### **Tools required:**

10mm socket, No2 Pozidriv screwdriver (or electric driver) , step ladder or platform.



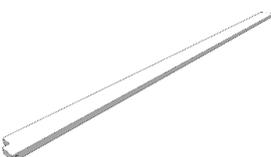
THE WALL MOUNTED BOX PERGOLA

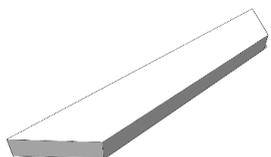
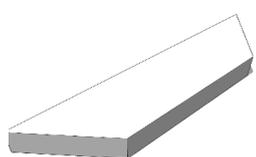
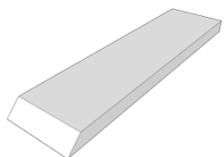
# THE WALL MOUNTED BOX PERGOLA

## Component list

The components listed below are those required to build a wall mounted Box pergola of 3.6M in size or larger. For the 2.4M and 3M version there are only 3 rafters, 28 x 120mm coachscrews and the braces are 500mm in length.

65mm woodscrews	70mm coachscrews	120mm coachscrews	Outer Rafters
			

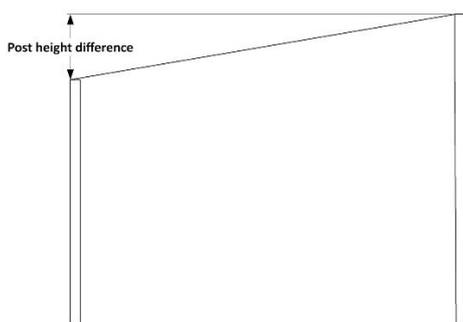
Rafters	Runners – One piece	Runners – Split -Asymmetric	Posts
			

600mm braces (optional)	400mm braces (optional)	Cladding panels (optional)	
			

The assembly steps that follow are divided into 2 sections. The first section (Page 3) covers the assembly of a **one piece runner** pergola, the second section (Page 7) a **split runner pergola**.

6 post pergolas 4.2 and 4.8M in length are **one piece runner**. All pergolas 5.4M in length and above are **split runner**.

If you have ordered your pergola with a roof slope please refer to the charts below for guidance of the difference in length that you will need to cut your posts to in order to accommodate the slope.



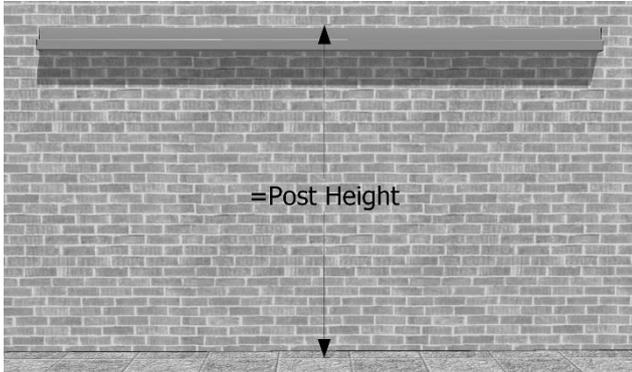
5°	
Rafter length (M)	Post height difference (mm)
1.8	143
2.4	195
3	247
3.6	300
4.2	352
4.8	404

10°	
Rafter length (M)	Post height difference (mm)
1.8	284
2.4	388
3	493
3.6	597
4.2	701
4.8	805

# THE WALL MOUNTED BOX PERGOLA

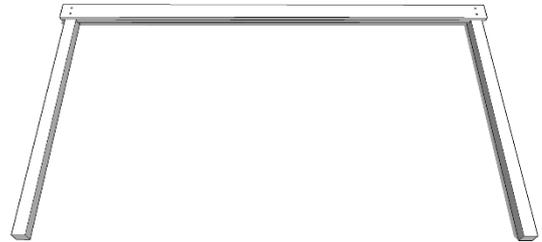
## ONE PIECE RUNNER VERSION

### Step 1



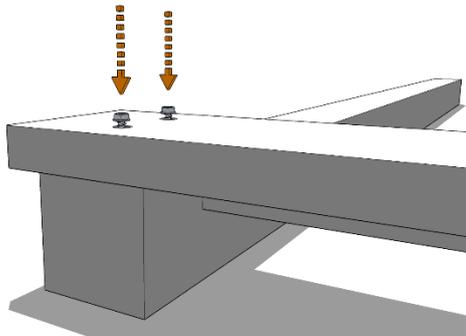
Affix your wallplate (batten at the bottom) in the desired location, making sure that the area directly in front of it is flat, level and able to support the structure. Attach the wall plate using suitable fixings for the wall construction. Measure in 400mm from each end and use sufficient fixings so that the minimum distance between them is 500mm, distributed evenly and vertically centred across the wall. Ensure it is horizontal with a laser or spirit level.

### Step 2



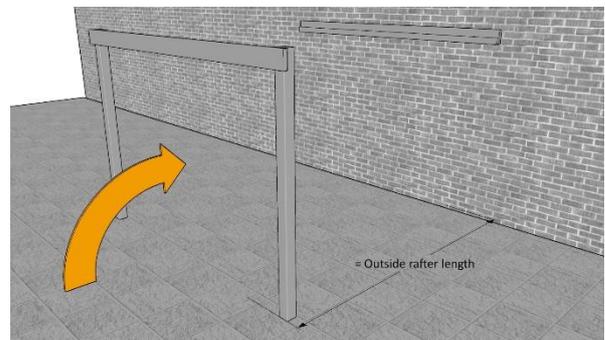
Now place two of the posts on a flat surface as shown and then place the runner, countersinks uppermost, on top of the posts.

### Step 3



At this point ensure that the post is butted up to the batten on the underside of the runner as shown, flush with the top edge of the runner and perpendicular to it before securing the runner in place with a pair of 70mm coachscrews. Add a post to the other end of the runner in the same way.

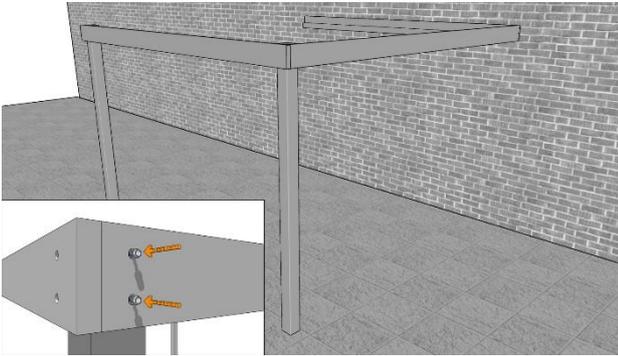
### Step 4



Have an assistant carefully raise the "goalpost" into a vertical position, about the length of an outer rafter from the wall, with the posts closest to the wall as shown....

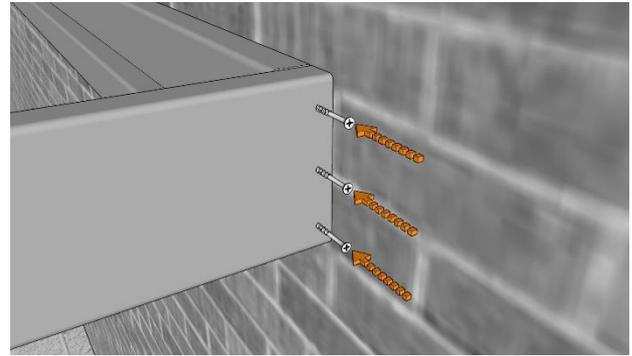
# THE WALL MOUNTED BOX PERGOLA

## Step 5



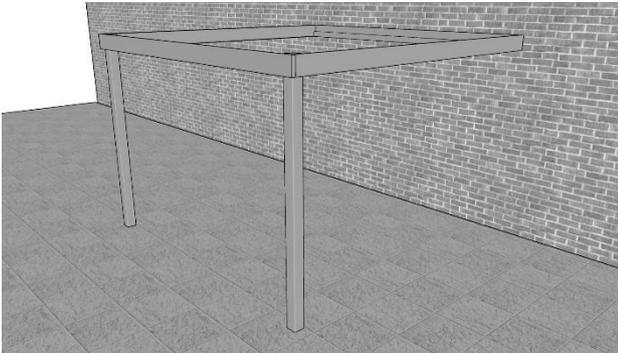
Place one of the outer rafters with its two countersunk holes adjacent to the runner batten. Ensure the rafter end is butted up against the inner face of the runner and that the top and bottom edges are flush before securing the end into place with a pair of 70mm coach screws.

## Step 6



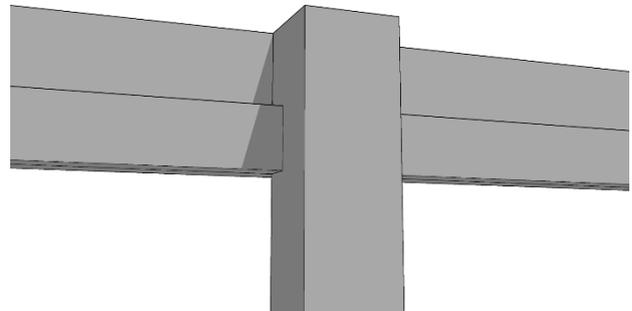
Secure the wall end of the outer rafter in place to the wall plate with 3 x 65mm woodscrews.

## Step 7



Add the second outer rafter by repeating steps 5 & 6.

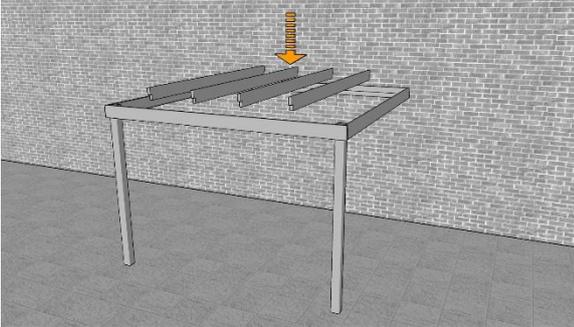
## Step 8



If you are building a 6 post, one piece rafter model then insert the post into the central slot on the runner as shown, before securing in place with a pair of 70mm coachscrews through the outer face of the runner.

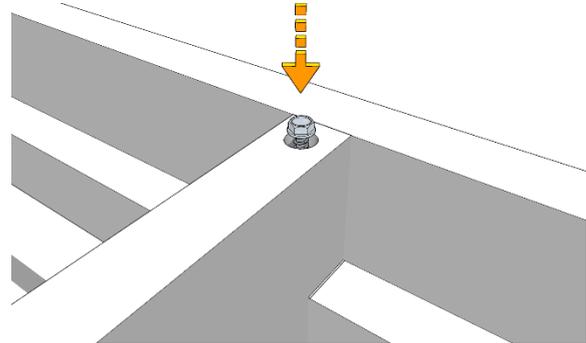
# THE WALL MOUNTED BOX PERGOLA

## Step 9



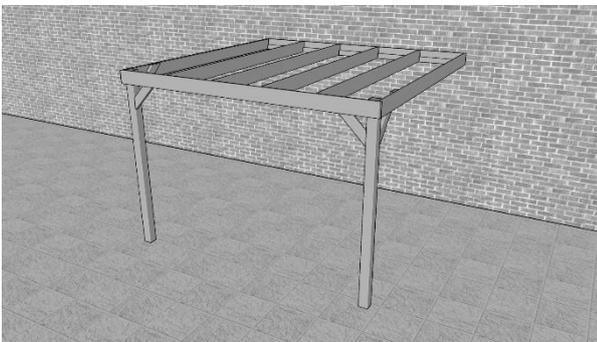
Add the rafters so they are located the wall plate and runner and aligned with the appropriate position markings...

## Step 10



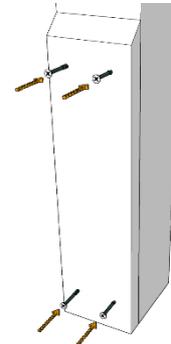
...before securing each one into place with a 120mm coachscrew driven down through each end into the batten.

## Step 11



Your Box pergola is now complete.

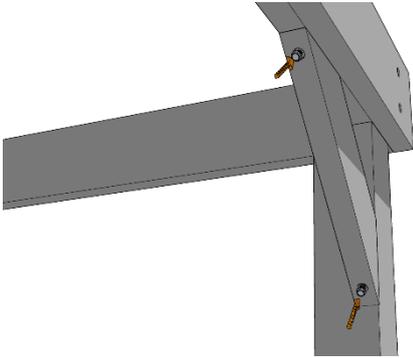
## Optional



If you have selected the optional cladding, attach a cladding panel to each face of every post with 4 x 65mm woodscrews as shown.

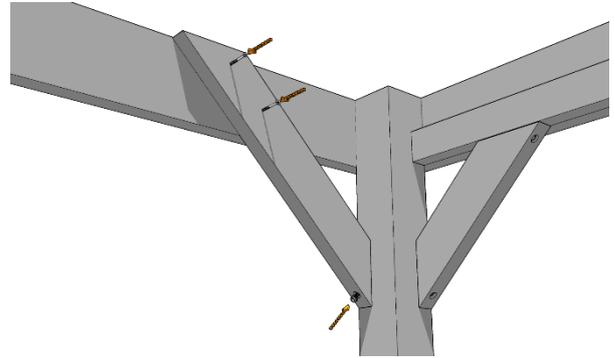
# THE WALL MOUNTED BOX PERGOLA

Optional



Attach the optional short braces to the underside of the batten on each runner and the lower end into the corner post with 2 x 70mm coachscrews.

Optional

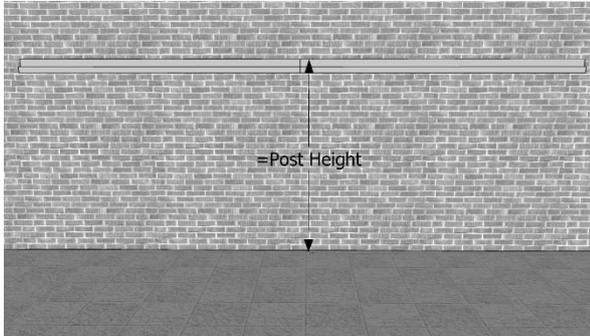


Attach the optional longer braces by fixing the top end, flush with the top of the Outer rafter, with the pair of 65mm woodscrews and the countersunk bottom end to the post with a 70mm coachscrew.

# THE WALL MOUNTED BOX PERGOLA

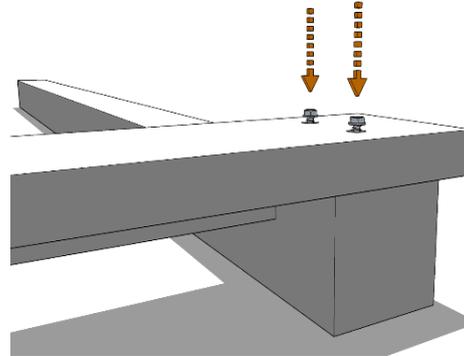
## SPLIT RUNNER VERSION

### Step 12



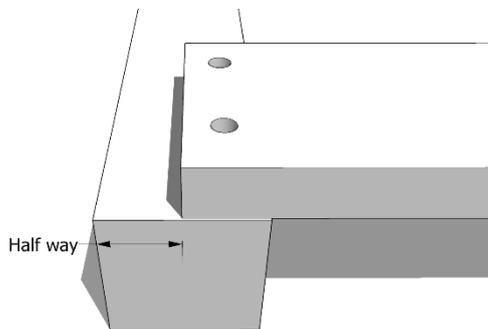
Affix your wallplates (batten at the bottom) in the desired location, making sure that the area directly in front of it is flat, level and able to support the structure. Attach the wall plate using suitable fixings for the wall construction. Measure in 400mm from each end and use sufficient fixings so that the minimum distance between them is 500mm, distributed evenly and vertically centred across the wall. Ensure it is horizontal with a laser or spirit level.

### Step 13



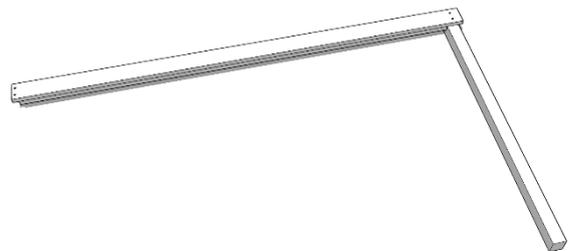
Lay a post on the floor and position the runner at the top of it and at 90° to the post. At this point ensure that the post is butted up to the batten on the underside of the runner as shown, flush with the top edge of the runner and perpendicular to it before securing the runner in place with a pair of 70mm coachscrews.

### Step 14



Add the Centre post to the other end of the runner. Ensure the post is butted up to the batten on the underside of the runner, flush with the top edge of the runner and perpendicular to it before securing the post in place with a pair of 70mm coachscrews.

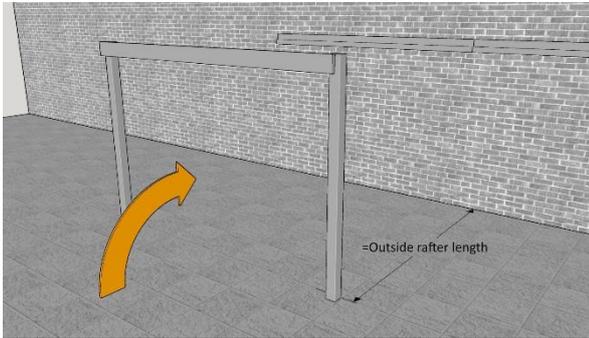
### Step 15



Using the remaining post and runner build a further frame assembly as shown here.

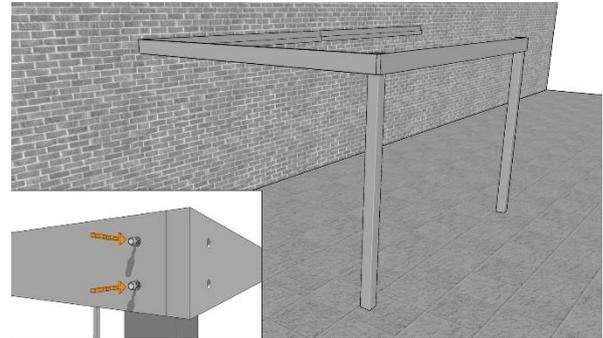
# THE WALL MOUNTED BOX PERGOLA

## Step 16



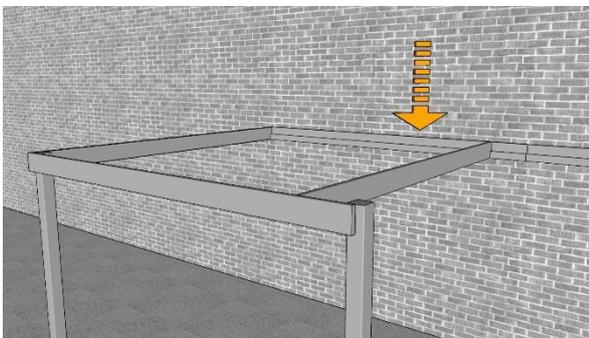
Have your assistants lift the “goalpost” assembly up into the vertical position as shown, lining it up so it is parallel with the wall and approximately the length of the outer rafter from the wall.

## Step 17



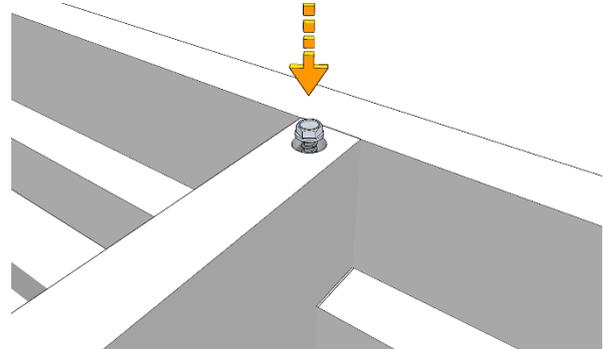
Now add an Outer (plain ended) rafter, lining it up with the runner as shown and securing it in place with 2 x 70mm coachscrews.

## Step 18



Now add one of the rafters closest to the Centre post, aligning it with markings on the runner and wall plate...

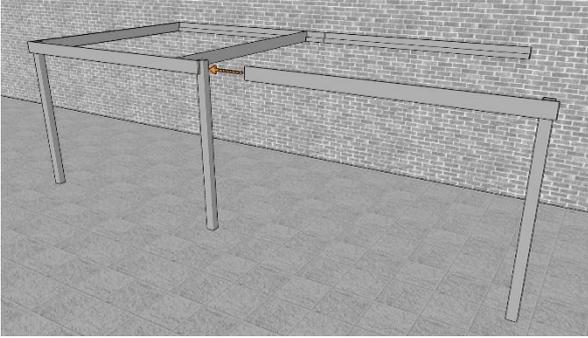
## Step 19



...before securing into place with 120mm coachscrew down through each end into the battens on the runner and wall plate.

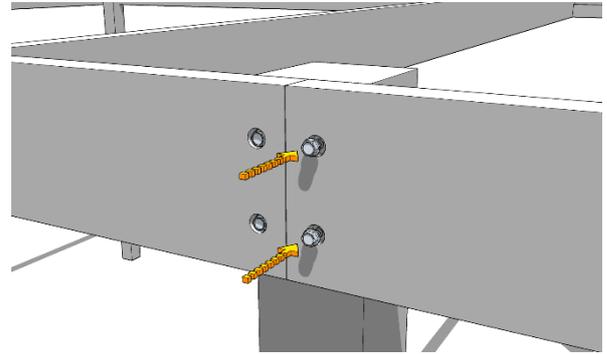
# THE WALL MOUNTED BOX PERGOLA

## Step 20



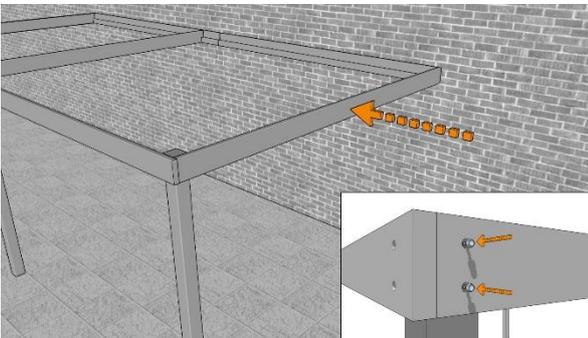
Take the frame assembly from Step 15 and manoeuvre it into position so that the runner is positioned with the unattached end over the post...

## Step 21



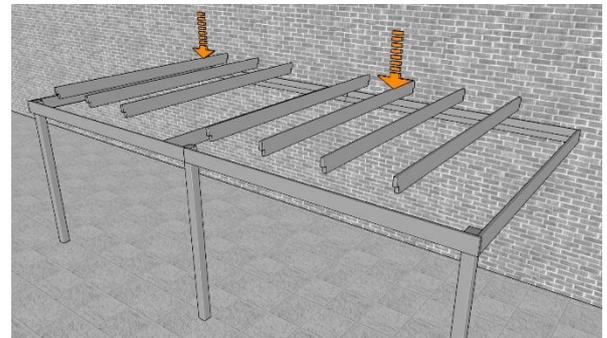
...and fix it in place to the Centre post with a pair of 70mm coachscrews.

## Step 22



Now add the other Outer rafter to the end of the structure as you did in Step 17.

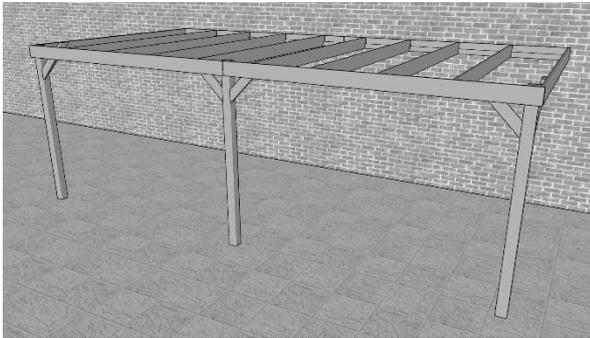
## Step 23



Lower each of the remaining intermediate rafters onto the battens and secure each one in place as you did in Step 19.

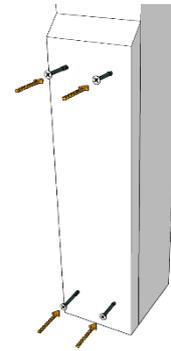
# THE WALL MOUNTED BOX PERGOLA

## Step 24



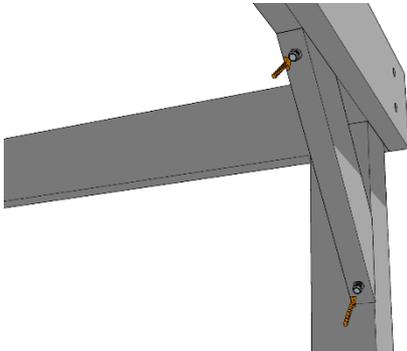
Your Box pergola is now complete.

## Optional



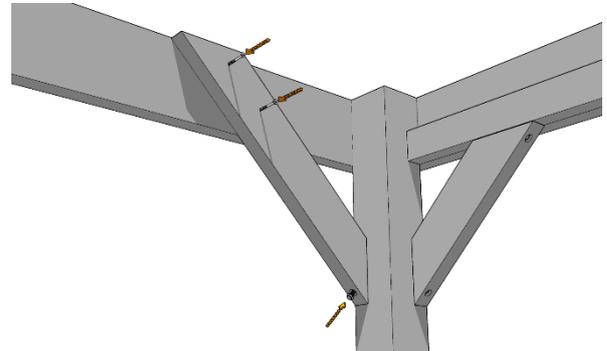
If you have selected the optional cladding, attach a cladding panel to each face of every post with 4 x 65mm woodscrews as shown.

## Optional



Now attach the 400mm braces to the underside of the batten on each runner and the lower end into the corner post with 2 x 70mm coachscrews. Attach to either side of the Centre post in the same way.

## Optional



Add the longer braces by fixing the top end, flush with the top of the Outer rafter, with the pair of 65mm woodscrews and the countersunk bottom end to the post with a 70mm coachscrew.

WE HOPE THAT YOU FOUND YOUR PRODUCT QUICK AND EASY TO ASSEMBLE BUT IF NOT AND YOU REQUIRE ANY FURTHER ASSISTANCE OR HAVE ANY QUESTIONS YOU CAN CONTACT US BY TELEPHONE ON: 01778 440803

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