

# The Regency Porch Canopy

2830mm (H) x 1685mm (W) x 1140mm (D)

**Kennings**

## Component List

Part	Qty	Product		
Front Posts	2	x Pergola Post 4 Way (92mm x 92mm)	2200mm	(A)
Rear Posts	2	x Pergola Post Notched (92mm x 92mm)	2200mm	(B)
Hand/Baserails	4	x Treated Rail (35mm x 85mm) Pre Drilled	945mm	(C)
Spindles	14	x Black Traditional Balustrade Spindle		(D)
Roof Rafters	4	x Pergola Rafter (92mm x 42mm) Notched One End / Angle Cut	1100mm	(E)
Front Frame	1	x Pergola Rafter (92mm x 42mm) Notched Both Ends	1800mm	(F)
Side Frame	2	x Pergola Rafter (92mm x 42mm) Notched One End	1180mm	(G)
Rear Rafter	2	x Pergola Rafter (92mm x 42mm) Notched One End / Angle Cut	1100mm	(H)
Shingles	2	x Roofing Shingles 2m <sup>2</sup> Pack (Green)		(I)
Roof Boards	18	x Treated Match Board (120mm x 12mm)	1180mm	(J)
Roof Start Strip	2	x Treated Match Board (120mm x 12mm) 50mm Piece	1180mm	(K)
Front Angles Boards	2	x Treated PAR Timber (100mm x 25mm) Angle Cut		(L)
Front Fascia Boards	2	x Treated PAR Timber (150mm x 25mm) Angle Cut		(M)
King Post	1	x Treated PAR Timber (100mm x 25mm)		(N)
Corner Braces	6	x Pergola Corner Braces (92mm x 42mm)		(O)
Decorative Piece	1	x 5" x 5" Fence Post Cap		(P)
		60mm Green Coated Screws		(FIX 1)
	4	x Handrail Fixing Bracket (Pair)		(FIX 2)
	500g	13mm Galv Clout Nails		(FIX 3)
	200g	20mm Galv Clout Nails		(FIX 4)
		100mm Frame Screws		(FIX 5)
		150mm Frame Screws		(FIX 6)



### Tools Required

Drill Driver

PZ2 Driver Bit

Pilot Drill Bit

Pencil

Tape Measure

Spirit Level

A minimum of two people are recommended to assemble this porch

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Page 1 of 15

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## Step 1

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

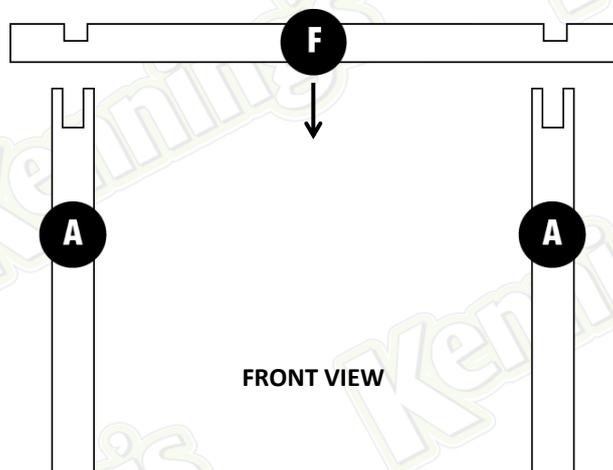
### Front Frame Assembly

In this step, you will connect the front crossbeam to the primary front posts. Stand the two Front Posts (A) upright, ensuring the 4-way notches are at the top.

Align the Front Frame (F) across the top of the two posts.

Lower the Front Frame (F) so its notches slide directly into the top notches of the Front Posts (A).

The beam should sit flush and create a bridge between the two front posts.



FRONT VIEW

## Step 2

### Side Frame Attachment

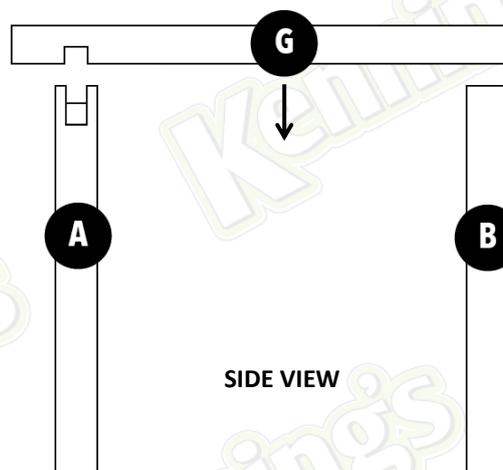
This step connects the front assembly to the rear of the structure.

Take a Side Frame (G) and identify the notched end.

Place the notched end of the Side Frame into the remaining top notch of the Front Post (A).

Rest the flat end of the Side Frame into the notch of the Rear Post (B) making sure the back of it is flush with the back of the post.

Repeat this process for the other side of the frame.



SIDE VIEW

### Pro Tips

*Orientation: Double-check that the "4-way notched" posts are at the front; these are designed to hold both the front and side beams simultaneously.*

*Stability: If the notches are a tight fit, use a rubber mallet to gently tap the beams into place to avoid damaging the wood.*

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## Step 3

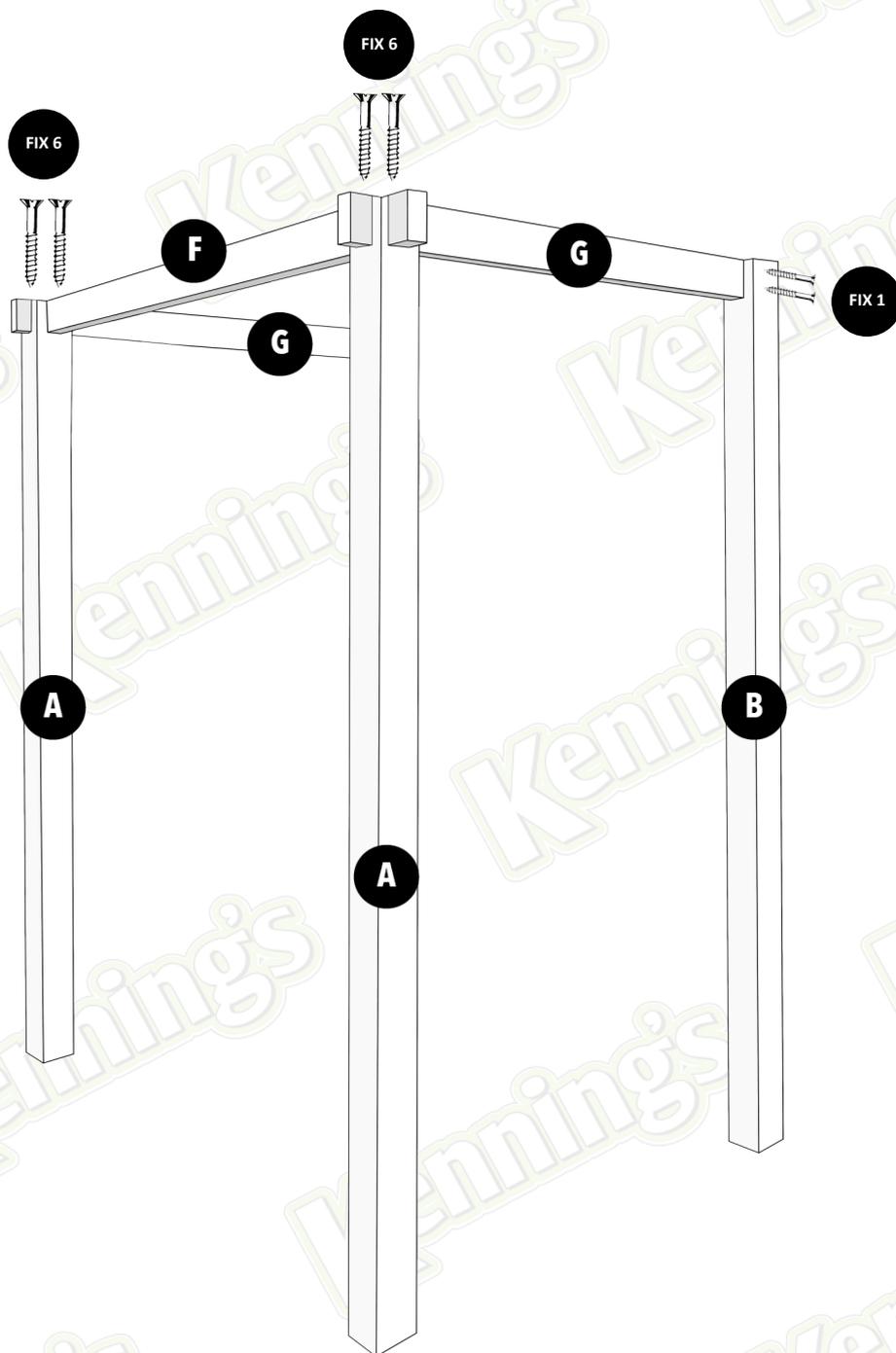
*\*To prevent splits, drill a pilot hole before driving screws\**

Now that the basic frame is slotted together, you need to lock the structure in place to ensure it is sturdy and permanent.

Make sure that you have aligned the Side Frame (G) so it sits perfectly flush with the back of the Rear Post (B) and drive 2 x 60mm Green Coated Screws (FIX1) through the side of the post into the frame.

Repeat this for the opposite rear corner.

At the front, use 2 x 150mm Frame Screws (FIX 6) per corner to drive through both of the interlocking frame pieces (F) and (G) from the top and down into the post, this will ensure all three bits of timber are secured and nothing and shift out of position.



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Page 3 of 15

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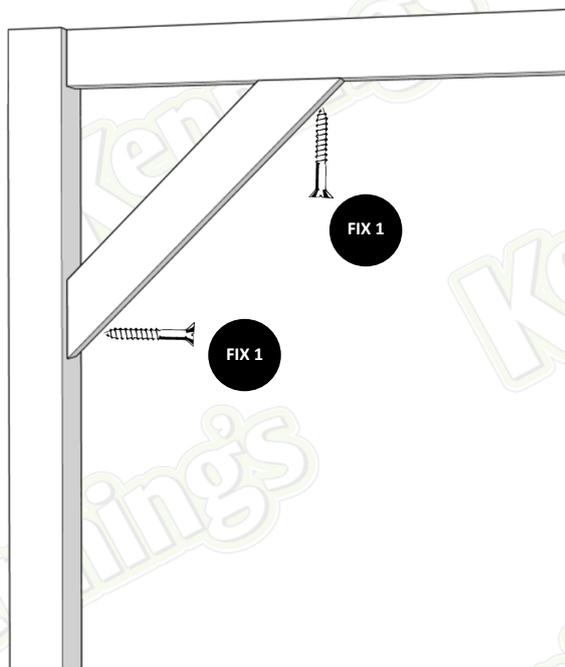
## Step 4

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

### Installing Corner Braces

In order to create some rigidity, install the 6 x Corner Support Braces (O) and secure in position using 2 x 60mm Wood Screws (FIX1), one in the top into the frame and one at the bottom into the post.

Repeat this process on both sides and the front, in both directions as per the diagram to the below.



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Page 4 of 15

# The Regency Porch Canopy

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## Step 5

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

### Installing the Side Handrails

Start by securing the Handrail Brackets (**FIX2**) to the ends of the 4x Hand/baserails (**C**) using the provided screws, these screw through the holes in the middle back of the bracket and directly into the timber.

Ensure that the curved top of the bracket is always aligned so it is facing the same way as the predrilled holes, see diagram for reference.



## Step 6

### Mount to Frame

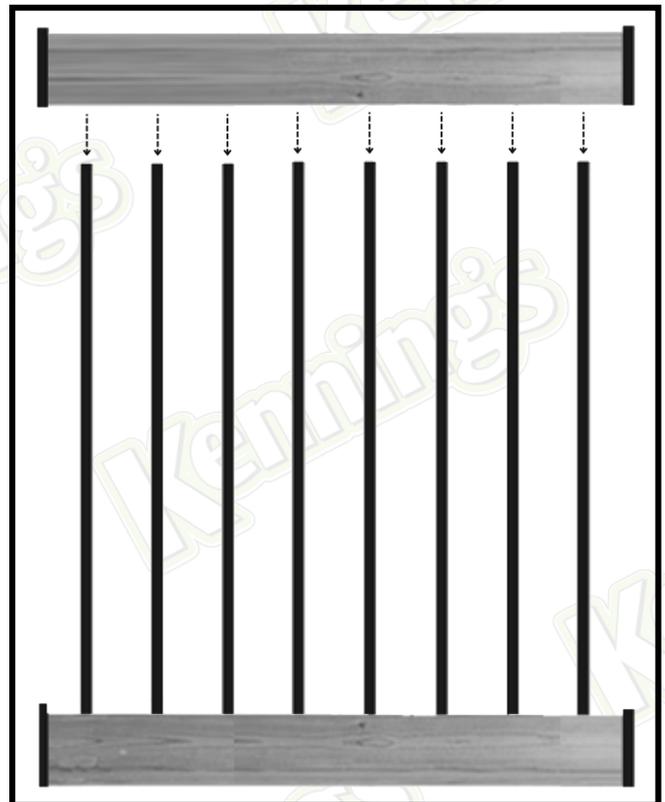
Position the baserail between a Front Post (**A**) and a Rear Post (**B**). Ensure the railing is level and at your desired height, then drive the remaining bracket screws through the brackets and into the posts.

With the baserail secured you can slot the 8 x Spindles (**D**) into the pre-drilled holes.

*Optional: For extra rigidity, apply a small amount of adhesive (such as GB Pro) into the holes before inserting the spindles.*

Place the second Handrail (**C**) on top, aligning the holes with the spindles to create a "ladder" section.

Repeat this process for the opposite side (see image on the next page for guidance in regards heights etc).



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Page 5 of 15

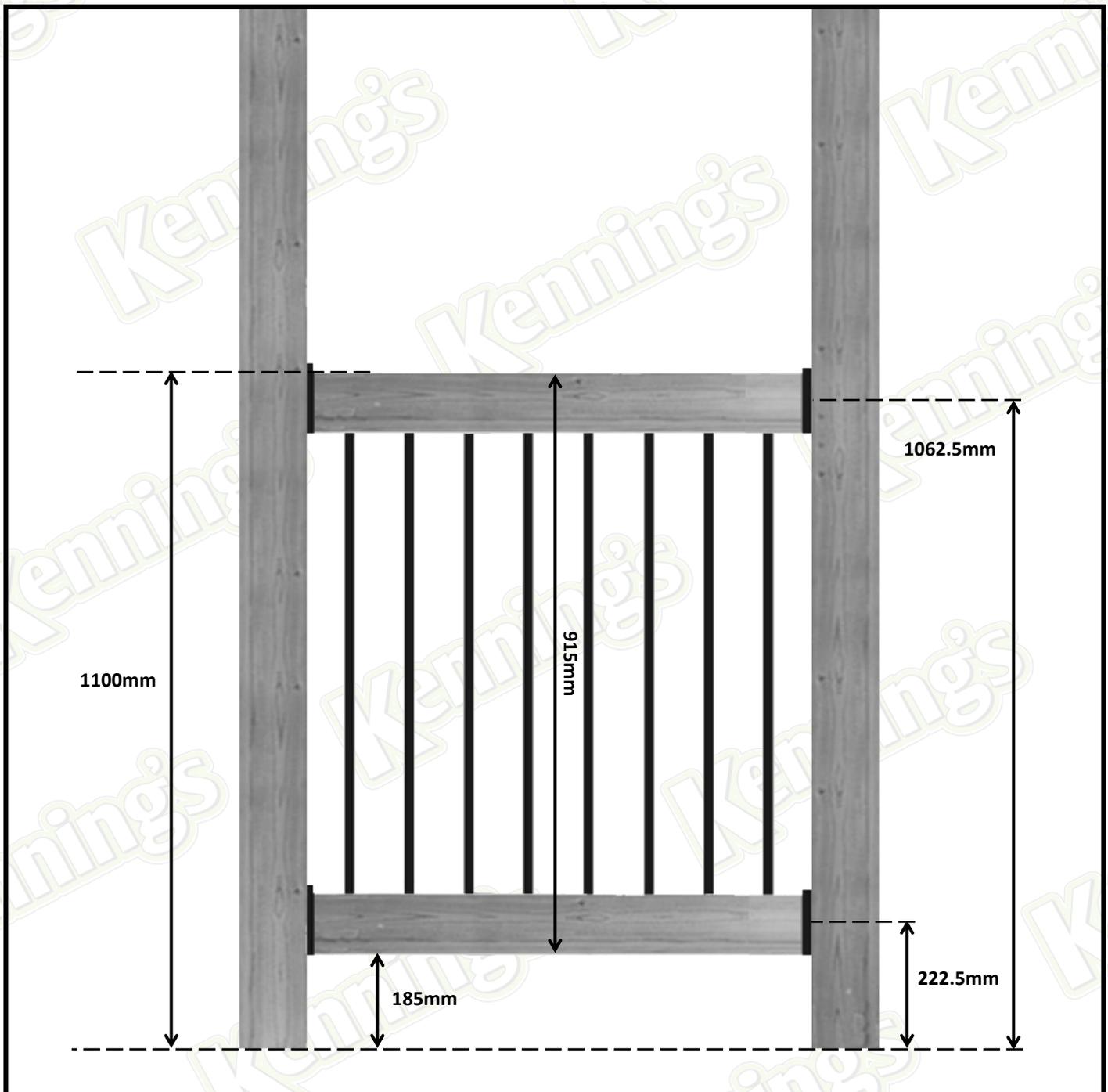
# The Regency Porch Canopy

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

**PLEASE NOTE:** All measurements below are our recommendations **ONLY**, you can install the handrails at any height that suits your own personal preference.



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Page 6 of 15

# The Regency Porch Canopy

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## Step 7

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

With the bottom half of the frame and side rails complete, you can now install the roof structure; this uses the notched rafters to create the pitched roof profile shown in the Roof Frame diagram.

### Rafter Placement

Rear Rafters (**H**): Position the Rear Rafters (**H**) so they are flush with the back of the Rear Posts (**B**).

Note: These rafters have larger notches designed specifically to fit over the post tops.

Front Rafters (**E**): Position the first pair of Roof Rafters (**E**) so they sit flush with the front edge of the overhanging Side Frames (**G**).

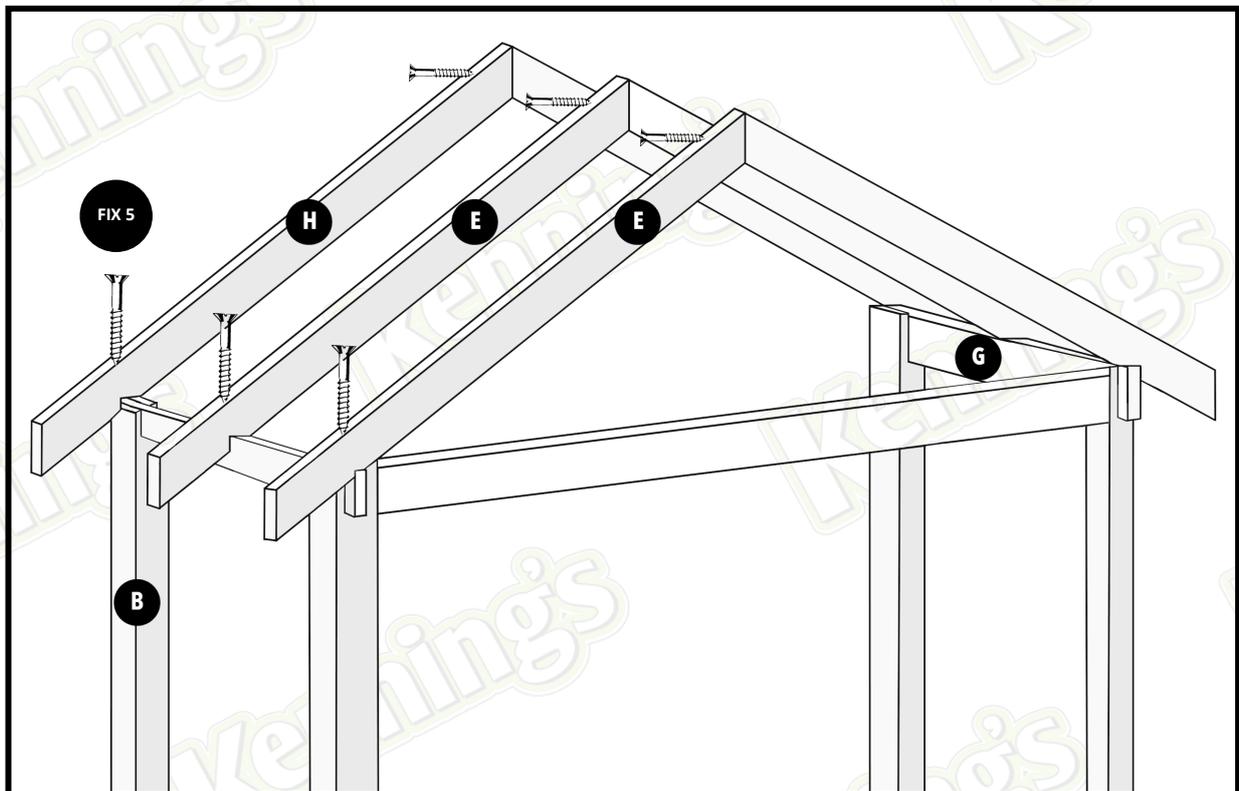
Middle Rafters (**E**): Place the remaining pair of Roof Rafters (**E**) centrally, spaced equally between the front and rear sets.

### Fixing the Rafters

To secure the roof, use the 100mm Frame Screws (**FIX5**) as follows:

At the Apex: Drive a screw horizontally through the face of one rafter directly into the meeting rafter at the peak to lock the pair together.

At the Base: Drive a screw vertically through the top of each rafter where the notch meets the frame or post.



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Page 7 of 15

# The Regency Porch Canopy

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## Step 8

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### Installing the Roof Boards

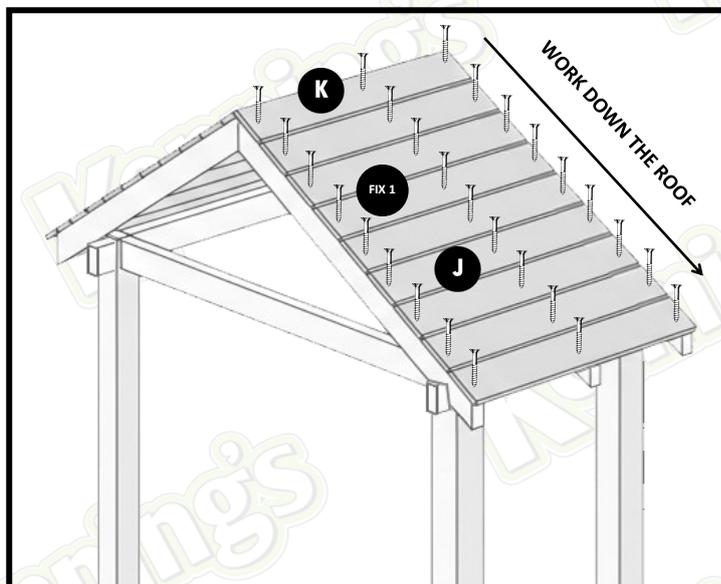
With the rafters secured, you can now begin cladding the roof using the Roof Start Strip (**K**) and Match Board (**J**). Proper alignment of the first board is critical to ensuring the rest of the roof remains straight.

### Cladding Guidelines

Start the installation from the top of the roof (apex) with the Roof Start Strip (**K**) followed by the Match Board (**J**) working down to the bottom of the Roof Rafters (**E**) and (**H**).

**Interlock:** Ensure each board fully interlocks with the one below it for a weather-tight finish.

**Alignment:** Boards should sit perfectly flush with the outer edges of the rafters on both the left and right sides.



### Installation Steps

**Set the Roof Start Strip:** Place the Roof Start Strip (**K**) so it sits flush with the ends of all three roof rafters.

**Level Check:** Use a spirit level to verify this starting board is perfectly horizontal. This prevents a "knock-on" effect that would cause misalignment as you move down the roof.

**Fixing:** Secure each board using 1 x 60mm Green Coated Screw (**FIX1**) at every point it crosses a rafter (3 screws per board total).

**Repeat:** Continue interlocking and fixing boards until you reach the bottom, then repeat the entire process on the opposite side of the roof.

### Pro Tip

*Don't over-tighten the screws; matchboard can expand and contract slightly with the weather. Driving the screws in just flush with the surface will allow for this natural movement.*

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## Step 9

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

### Installing the Decorative Front Bracing

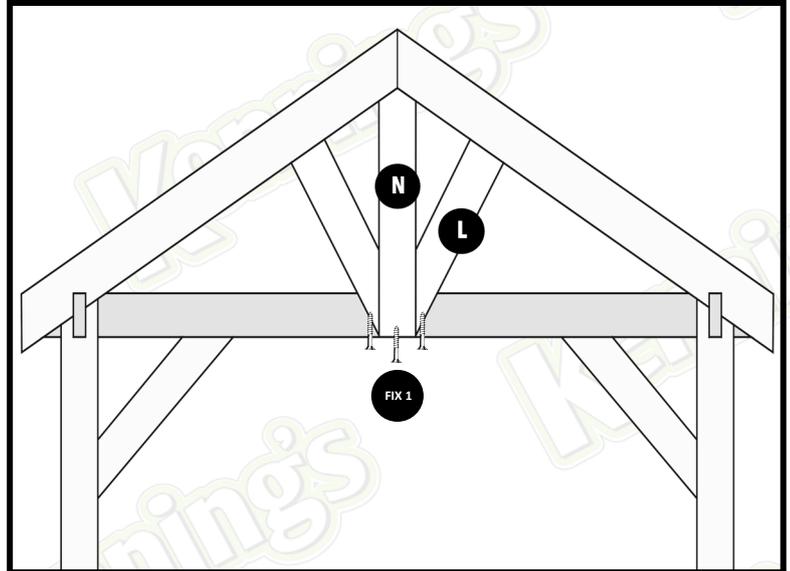
To complete the front of the porchway, you will install the King Post (**N**) and Front Angle Boards (**L**). These create the decorative chevron pattern.

### Bracing Components

1 x King Post (**N**): The vertical centre support.

2 x Front Angle Boards (**L**): The diagonal supports forming the chevron.

60mm Green Coated Screws (**FIX1**) : Used for all connections.



Place the King Post (**N**) vertically in the centre of the front opening.

At the bottom: Seat the post so it sits in front of the Front Frame (**F**).

At the top: Align the post so it sits on the back side of the front Roof Rafters (**E**) at the apex.

Fixing: Secure at the top and the bottom with 1 x 60mm Green Coated Screw (**FIX1**).

Align the Front Angle Boards (**L**) on either side of the King Post to create the chevron shape.

At the bottom: Ensure the boards sit in front of the Front Frame (**F**).

At the top: Position the boards so they sit on the back side of the front Roof Rafters (**E**).

Fixing: Secure each board with 1 x 60mm Green Coated Screw (**FIX1**) at each end.

### Pro Tip

Check the symmetry of the "V" shape before driving the screws home to ensure the chevron is perfectly centred.

# The Regency Porch Canopy

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## Step 10

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

### Installing Shingles

Now that the matchboard cladding is complete, the final layer of protection is added by installing the Coroshingle sheets (I) using 13mm Clout Nails (FIX3).

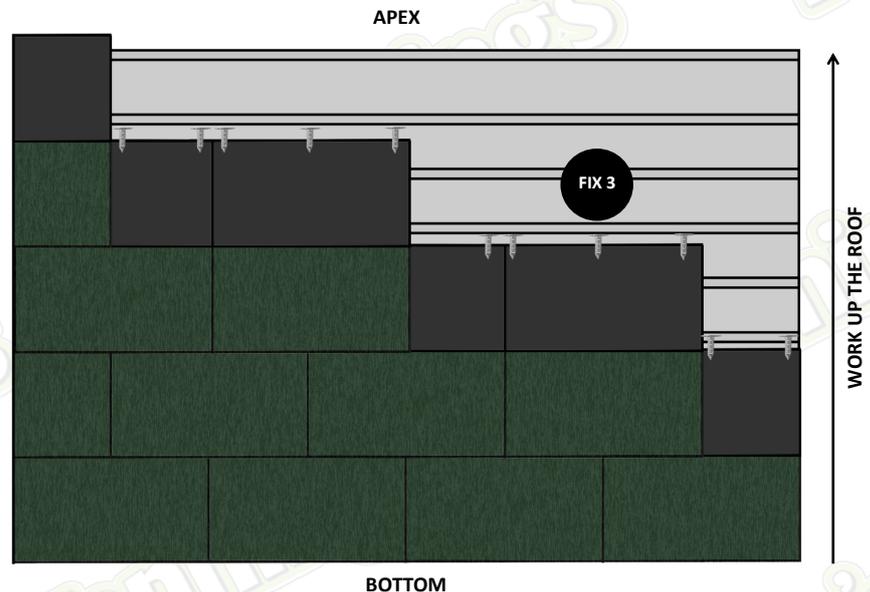
**Starting Position:** Begin at the bottom edge of the roof, allowing for a slight overhang to ensure water drains away from the matchboard.

**Laying the Sheets:** Position the first sheet flush with the side edge of the roof and secure the shingles into the matchboard using the 13mm Clout Nails (FIX3).

Space the nails evenly along the length of shingle sheet, ensuring you hit the rafters beneath the matchboard for maximum wind resistance.

Nails should be driven through the top part of the shingles so that it is covered by the next row, this will also prevent water from seeping through the nail holes.

**Repeat:** Continue this process up the roof on both sides until you reach the apex.



### Pro Tips

**Avoid Over-driving:** Drive the clout nails until the head is just touching the shingle. Over-driving can damage the material.

**Trimming:** If the shingles extend too far at the sides or apex, they can be trimmed with a sharp utility knife or a fine-toothed saw.

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## Step 11

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

### Creating and Installing the Ridge Caps

To finish the roof and make it weather-tight, you will create ridge caps from your remaining Coroshingles. This seals the apex where the two sides of the roof meet.

#### Preparation & Cutting

Take your Coroshingle strips and cut them into individual, smaller shingles. These individual pieces must be laid in the opposite direction to the main roof sheets (running across the ridge rather than down the slope).

**Folding:** Take an individual shingle and centre it over the roof apex. Carefully fold it over the ridge so it covers an equal amount of the roof on both sides and secure in place using 13mm Clout Nails (**FIX3**), drive nails into each side of the ridge, ensuring you are nailing through the shingle and into the matchboard/rafters below.

**Overlapping:** Install the next ridge shingle by overlapping it onto the previous one. This creates a "shingled" effect that prevents water from driving underneath the caps.

**Completion:** Continue this process along the entire length of the ridge until the apex is fully covered from front to back.



#### Pro Tip

*Check that the overlap direction faces away from the prevailing wind if possible for maximum weather protection.*

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## Step 12

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

### Final Trim and Finishing

The final step in the assembly process is to install fascias and the decorative trim, the crowning piece of the porchway.

Position the Front Fascia Boards (**M**) along the front edge of the Front Rafters (**E**).

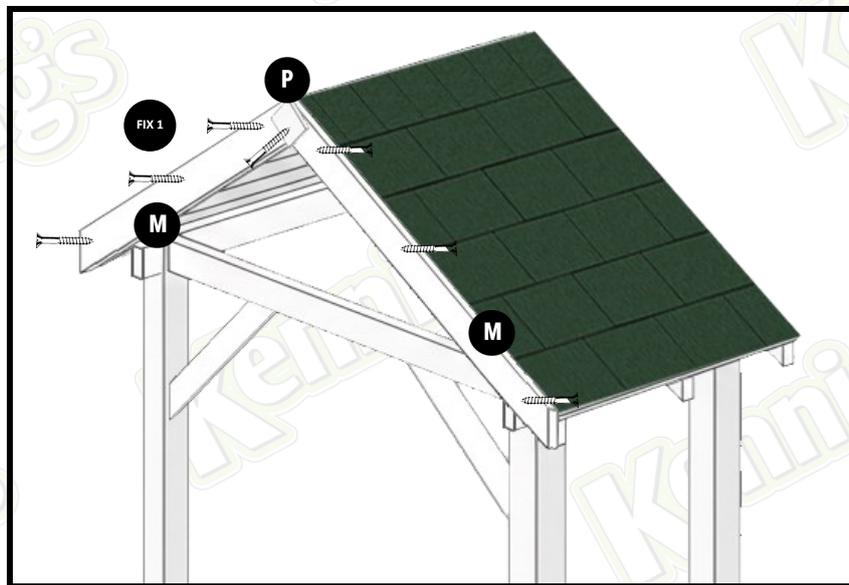
Align them so they are flush with the top of the roof cladding.

Fixing: Secure each fascia board by driving 1 x 60mm Coated Green Screw (**FIX1**) through the board and into the Front Rafter (**E**) behind it.

Place the Post Cap (**P**) at the very peak of the roof where the two fascia boards meet.

Centre the diamond shape over the joint to create a clean, professional finish.

Drive 1 x 60mm Coated Green Screw (**FIX1**) through the centre of the cap into the rafters/fascia join.



### Final Checklist

**Weatherproofing:** Ensure the ridge shingles are tucked neatly behind or sit flush with the fascia boards to allow water to run off correctly.

**Alignment:** Step back and check that the King Post (**N**), Chevron boards (**L**), and Post Cap (**P**) are all perfectly centred for a symmetrical look.

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Page 12 of 15

# The Regency Porch Canopy

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## Mechanical Wall Fixing Information

When installing any structure, safety is paramount, with this in mind we advise that this Porch Canopy must be mechanically anchored to the masonry to prevent tipping or wind-lift.

**IMPORTANT:** Failure to securely anchor this structure to a solid masonry wall can lead to structural collapse, causing serious injury or property damage. Wind loads and the weight of the roof can cause an unanchored structure to "walk" or fall forward.

We recommend as a minimum using M10 x 150mm Thunderbolts / Wall Anchor Bolts, this allows for 60mm of the anchor to go directly into the masonry.

In general, anchoring 60mm into a wall is likely sufficient for a Porch Canopy, but it is essential to assess the specific conditions and materials involved.

To determine if anchoring 60mm into a wall is sufficient to support a Porch Canopy, consider the following factors:

**Wall Material:** Different wall materials have varying load-bearing capacities. For example, brick walls can support more weight than veneer walls.

**Wall Condition:** Ensure the wall is in good condition and not showing signs of wear or damage.

**Load Distribution:** The load must be evenly distributed across the wall.

**Anchor Positioning:** Always ensure fasteners are driven into the brick, not the mortar joints.

**Structural Engineer:** If in doubt, consult a structural engineer for advice.

### Professional Installation & Personal Safety

**Do Not Attempt Alone:** This structure is heavy and awkward to manoeuvre. For your safety, this installation must be carried out by at least two people. Attempting to install this canopy alone increases the risk of the unit falling, which can result in severe crushing injuries.

**Check Before You Drill:** Before anchoring into the masonry, use a pipe and cable detector to ensure the area is clear of hidden electrical wiring or plumbing.

**Safe Working at Height:** Ensure any ladders or platforms used are rated for the combined weight of the installers and tools etc. Always wear appropriate PPE, including safety goggles and sturdy footwear.

**Know Your Limits:** If you are not experienced in heavy-duty masonry drilling or structural assembly, we strongly recommend hiring a qualified tradesperson to complete the installation.

# The Regency Porch Canopy

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## Mechanical Wall Fixing Information

### 1. Marking and Predrilling the Timber

Position the structure exactly where it will sit against the house.

On the two rear posts, mark three points per post: one 200mm from the top, one in the middle, and one 200mm from the bottom. **Crucial:** Ensure the marks align with the bricks, not the mortar lines. If a hole hits mortar, shift the structure slightly or adjust the hole height.

Using a 10mm wood drill bit, predrill through the timber posts at these marked locations. Predrilling prevents the timber from splitting when the heavy-duty bolt is driven in.

### 2. Transferring Holes to the Masonry

With the structure in place, mark the brickwork by going straight through the holes you have just drilled using a pencil or professional marking tool such as a Marxman.

### 3. Drilling the Brickwork

Move the structure slightly aside to give you access to the masonry where the holes are to be drilled and using a 10mm masonry bit on hammer mode, drill into the brickwork to a depth of approximately 60mm - 70mm (allowing for anchor to be fully inserted).

If using Wall Plugs: If your specific fastener requires a plug (standard expansion bolts), insert the M10 wall plug into the brick until it is flush. Note: "Thunderbolts" or self-tapping concrete screws typically do not require plugs.

### 4. Securing the Fasteners

Move the structure back into position, aligning the timber holes with the wall holes.

Insert the M10 x 150mm Thunderbolts (with washers) through the timber and into the wall.

Tighten using a socket wrench until the head is firm against the wood and the structure feels immovable. Do not over-tighten to the point of crushing the wood fibres.

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**Enjoy your new Regency Porch Canopy**

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Page 15 of 15

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