

TIMBER

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Brushwood Fencing — Post & Rail Installation Guide

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Tools & Materials

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Tools Required

- Post hole diggers or auger
- Shovel and digging bar
- Wheelbarrow or item to mix concrete/grout
- Tape measure (5–10 m)
- Stringline and pins/stakes
- Spirit level (600–1200 mm)
- Post level (optional)
- Marker paint or chalk line
- Angle grinder or reciprocating saw
- Mini bolt cutters (for tension wire and internal wires)
- Netting clip clamp/fencing tool
- Pliers/fencing tool
- Large secateurs
- Drill/driver with suitable bits
- Circular saw to cut or reduce the height of panels, if required
- Angle grinder, reciprocating saw or circular saw
- Mini bolt cutters (ideal for tension wire and clips)
- Netting clip clamp
- Large secateurs
- Drill/driver with suitable bits
- Socket set or spanners
- Pliers/fencing tool
- Rock drilling equipment (where required)

Materials & PPE

- Brushwood panels
- Premade roll tops
- 40 NB galvanised round posts (with caps)
- 20 NB galvanised steel cross rail (top rail)
- Concrete or nonshrinkable grout
- H4 treated timber plinth (100–200 mm high)
- 3.15 mm galvanised tension wire
- Galvanised netting clips
- PPE: gloves, safety glasses, hearing protection, dust mask

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Measuring & SetOut

- Tape measure (5–10 m)
- Stringline and pins/stakes
- Marker paint or chalk line

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Step 1 — Site SetOut

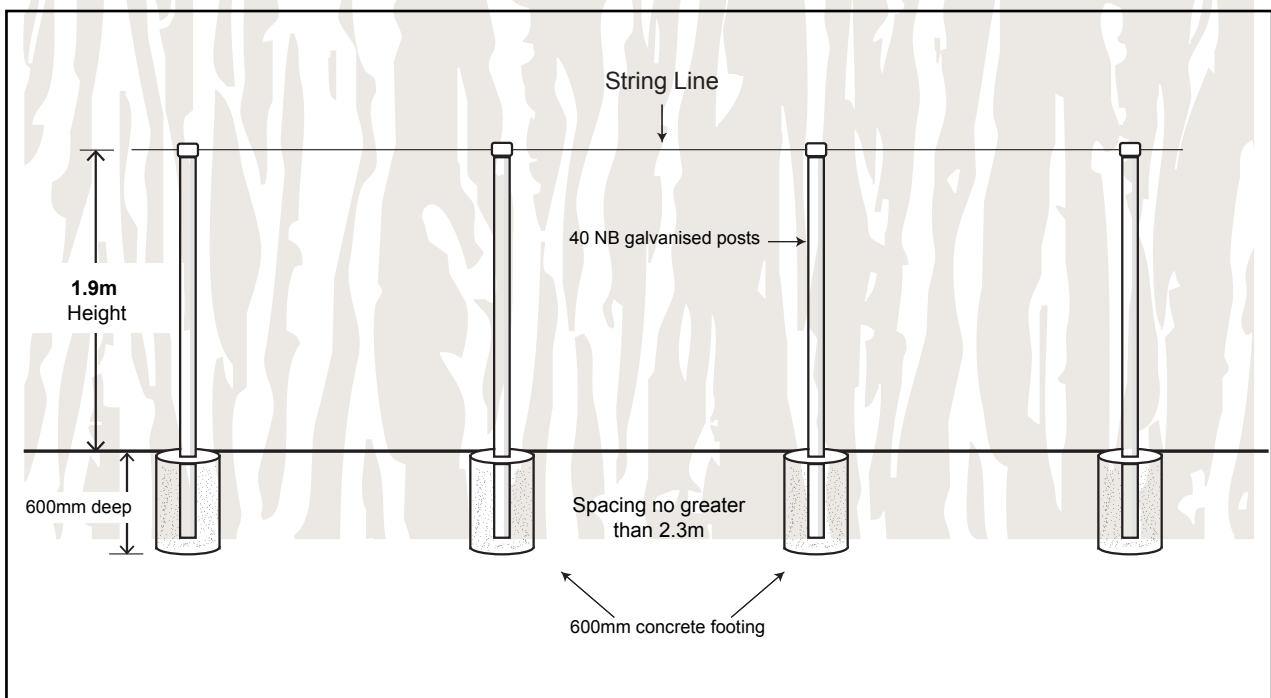
Mark out both end posts. Once the end posts are installed, run stringline at the desired height. Use stakes or paint and a spirit level to confirm the line and note levels before drilling or excavating.

Step 2 — Install Fence Posts

Option A — Concrete Footings (soil)

1. Dig or auger holes to a minimum depth of 600 mm (or engineered depth).
2. Place post centrally; align to stringline; check plumb.
3. Pour concrete evenly, consolidate, and recheck alignment.
4. Ensure the spring line is at the desired height and pulled firmly. Then install intermediate posts ensuring spacing does not exceed 2.3 metres.
5. Once posts are installed, fit galvanised caps to prevent water ingress and corrosion.

Post caps: Fit galvanised caps to prevent water ingress and corrosion.



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Option B — Core Drilled Posts (rock/masonry)

1. Core drill a hole to suit the 40 NB post.
 2. Drill to a minimum depth of 300mm pending substructure; insert post and check plumb.
 3. Fix using nonshrink grout.
 4. Ensure the spring line is at the desired height and pulled firmly. Then install intermediate posts ensuring spacing does not exceed 2.3 metres.
 5. Once posts are installed, fit galvanised caps to prevent water ingress and corrosion.
- Post caps: Fit galvanised caps to prevent water ingress and corrosion.

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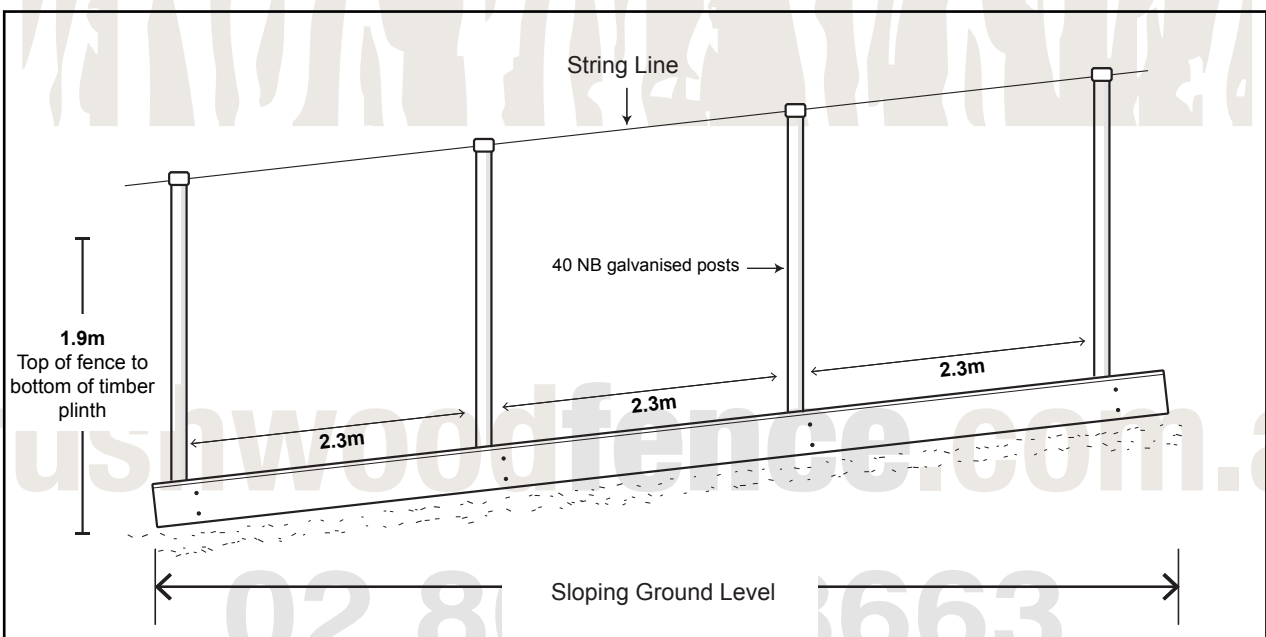
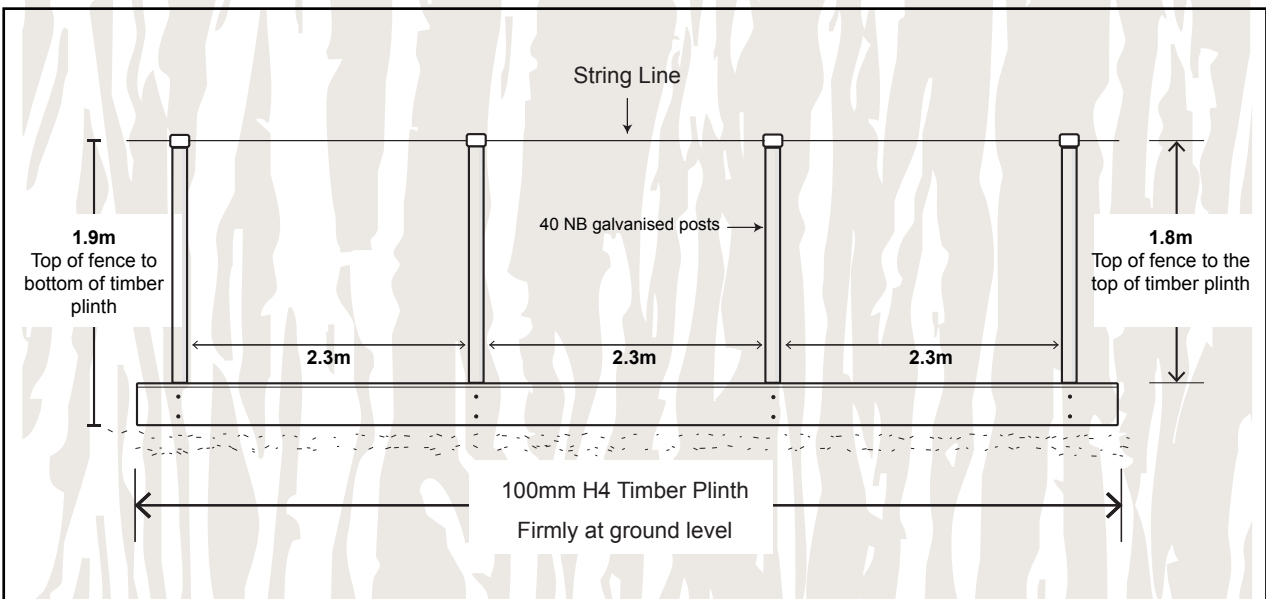
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Step 3 — Install the H4 Timber Plinth

Use H4 treated pine timber. This guide assumes a 100 mm plinth fixed to the front face of posts, so the plinth and panels sit in front of the posts.

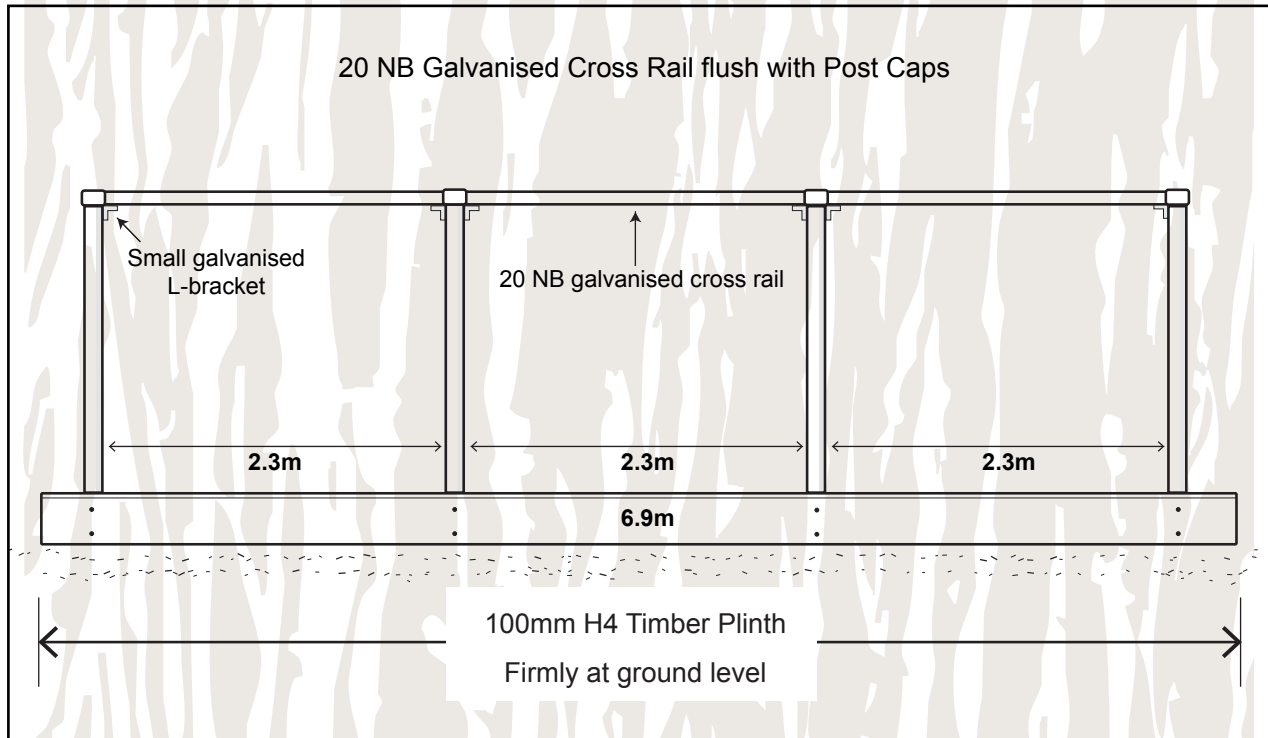
1. Cut plinth to length.
2. Position the plinth flush with the finished ground and fix it to the front face of the posts.
3. Fix with galvanised metal screws appropriate for timbertometal connections.
4. Ensure the plinth is level and continuous. Or install on an angle to follow the natural slope of the land.



Step 4 — Install the 20 NB Cross Rail

Install so the top face of the 20 NB cross rail is flush with the top of the post and in between each post.

1. Cut the rail to length to ensure it fits neatly between posts tightly.
2. Position the rail so the top face is flush with post caps.
3. Fix with a small galvanised “L” bracket underneath the top rail so that the “L” bracket is secure to the post and the top rail.



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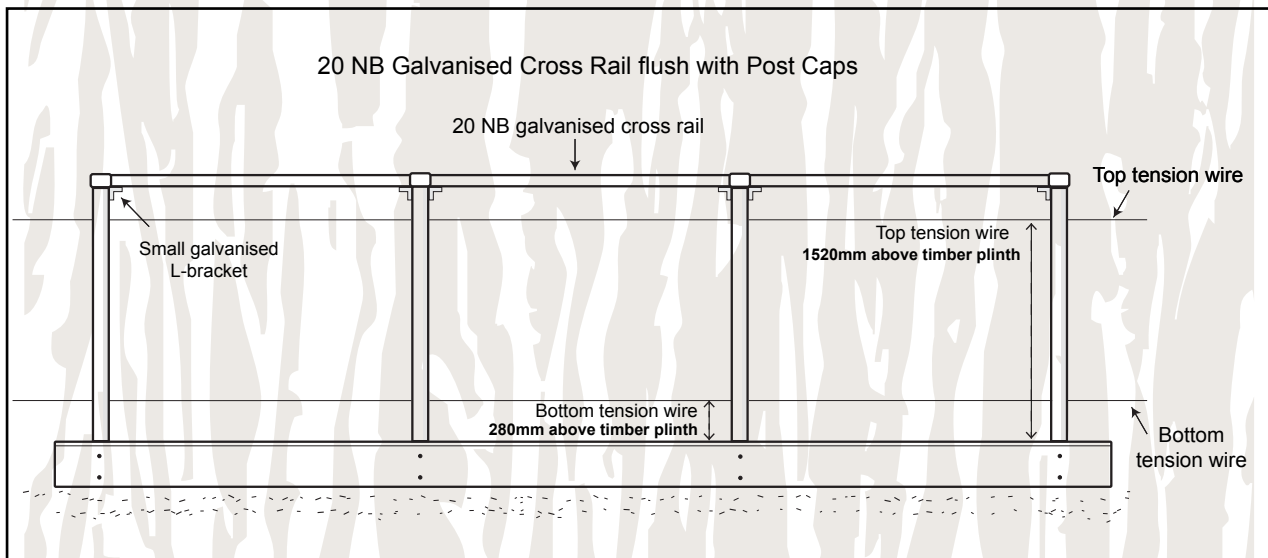
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Step 5 — Install the 3.15 mm Galvanised Tension Wires

Two continuous tension wires run from end post to end post to the wires on the brushwood panels.
Lower wire: 280 mm above plinth (approximately 380 mm above ground when plinth = 100 mm).
Upper wire: 1520 mm above plinth.

1. Loop the wire at the starting end post at the required height
2. Run the wire along the fence line from one end post to the other end post, ensuring the wire is in front of all other posts.
3. Cut small sections of wire and wrap around all intermediate posts to hold the horizontal tension wire in place
4. At the post, secure and tension the wire at the end posts only; trim excess and tidy twists.

Important: Tension at end posts only; intermediate posts are holding points only.



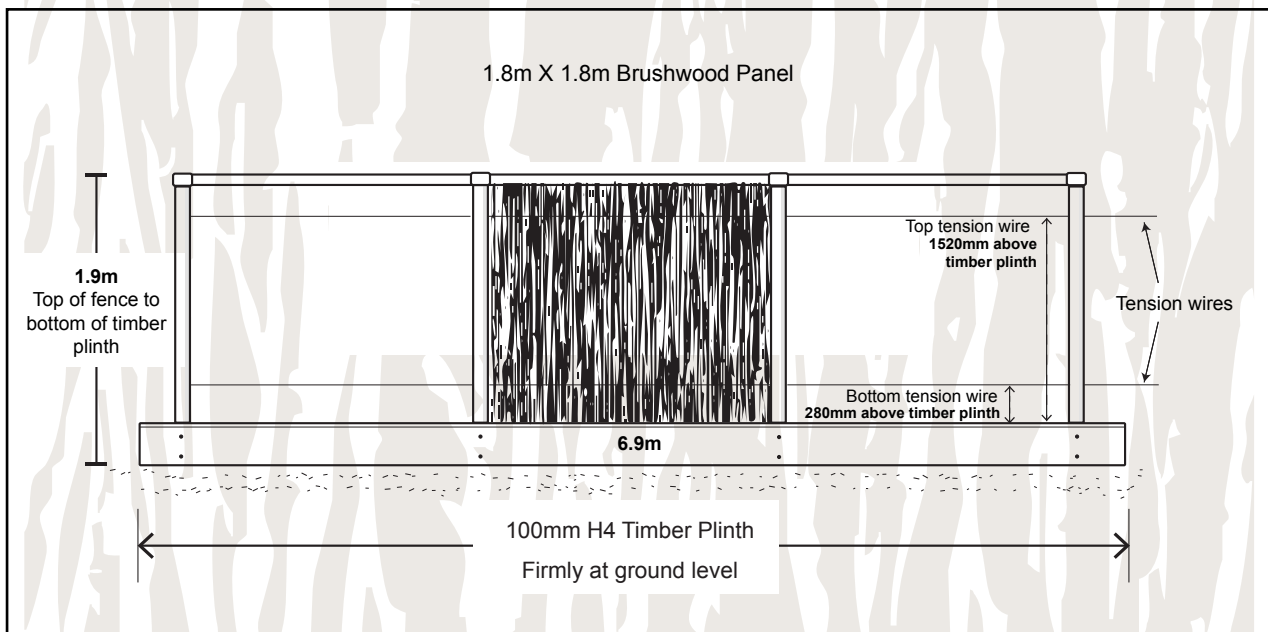
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Step 6 — Install the Brushwood Panels

1. Position the first panel in front of the posts on the H4 plinth (plinth fixed to the front face of the posts). If on slope, install first panel on an angle – move panel so that the first half meter is off the plinth and cut with a circular saw. Other panels will then flow continuously.
2. Ensure the panel top is flush with the 20 NB top rail.
3. Push the panel sideways so it is tight against the adjacent post or previous panel.
4. Install subsequent panels the same way, butting them hard together to remove gaps.
5. Confirm all panels sit evenly on the plinth and are compressed tightly before fixing.

Installer Note: A short wire can be fed through the top of the panel and looped around the top rail to temporarily hold panels while aligning. Temporary only.



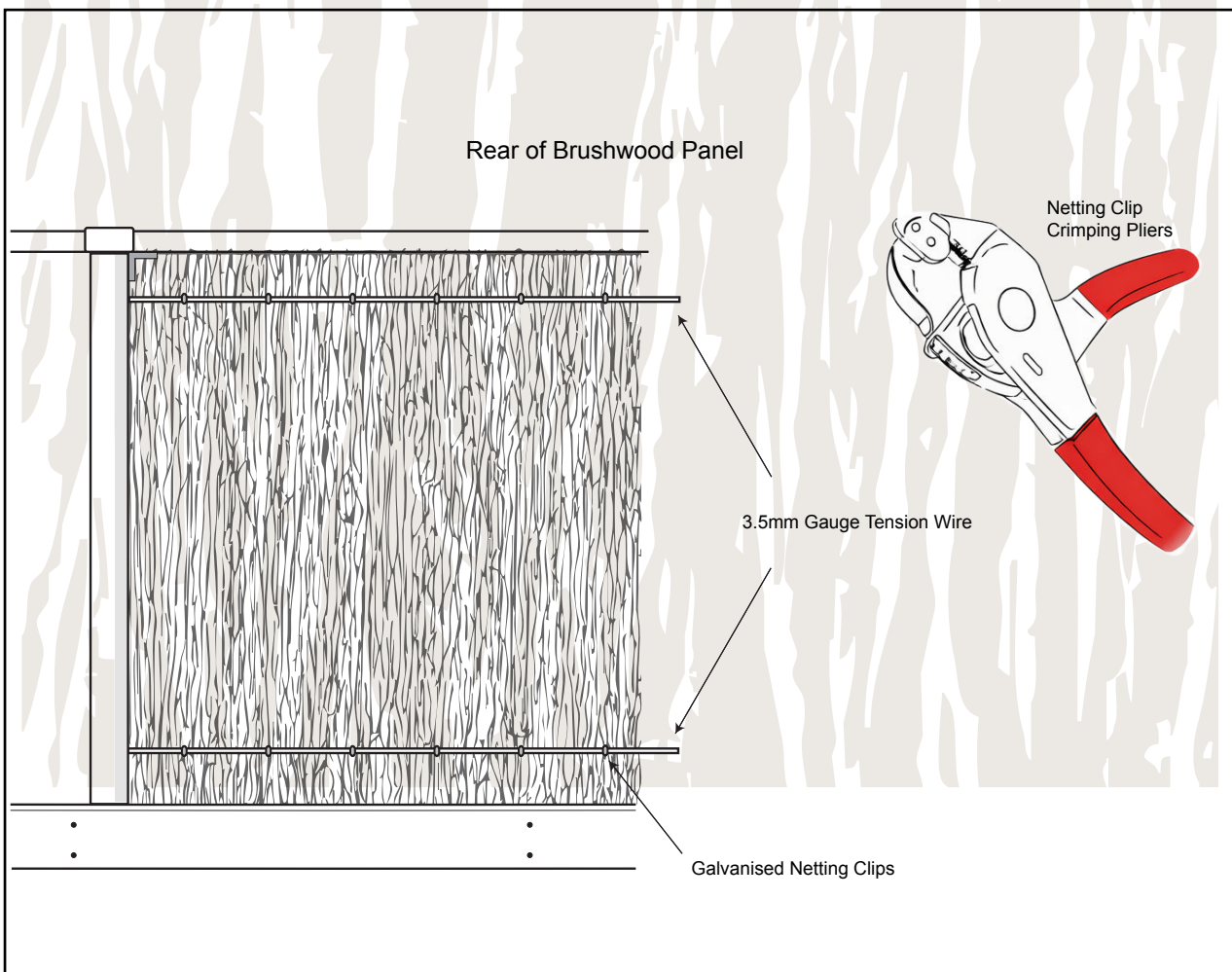
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Step 7 — Secure Panels with Galvanised Netting Clips

1. Fit galvanised netting clips through the panel wire onto the 3.15 mm wires using a netting clip end clamp.
2. Close each clip firmly to pull the panel tight to the wire.
3. Best practice: crimp each clip twice to ensure secure closing.
4. Secure along both upper and lower wires.
5. Trim or flatten any sharp ends.

Important: Panels must be fully positioned and compressed before clip installation.



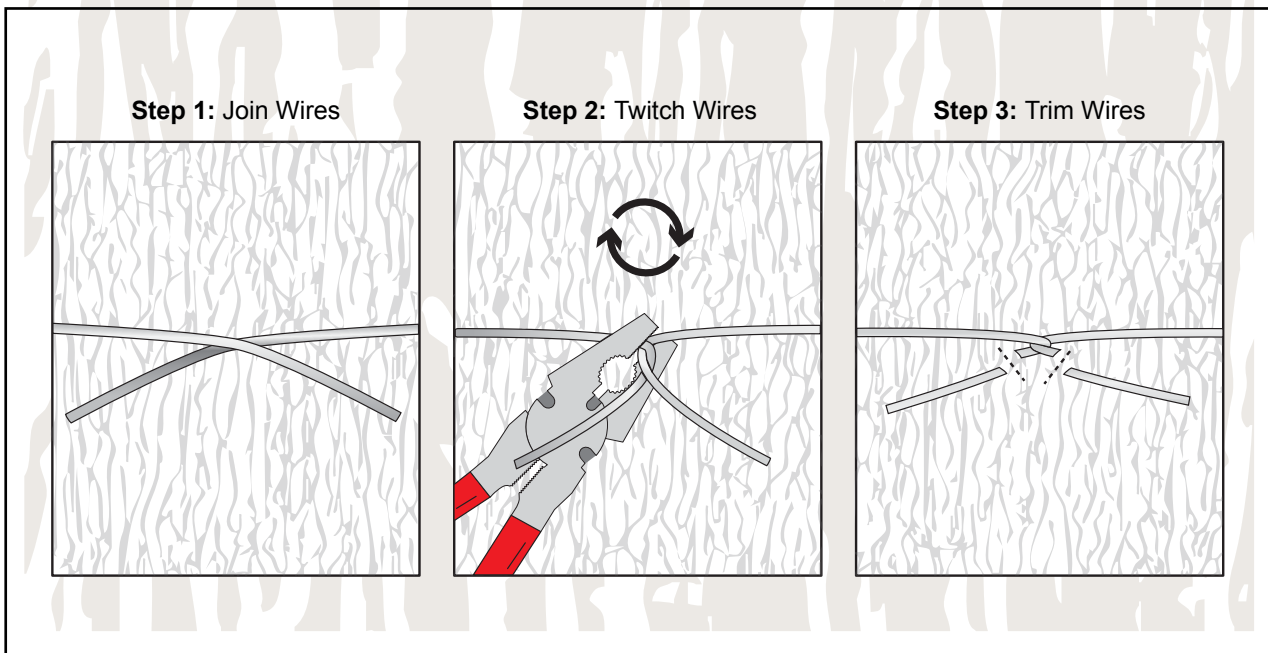
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Step 8 — Join Adjacent Brushwood Panels

1. Locate the internal wire structures at the panel join.
2. Using mini bolt cutters, cut all corresponding internal wires on one side of the panel only, along the join line first.
3. Once the internal wire has been cut, pull the long excess joining wires out to the side.
4. Tap with pliers along both faces of the panels to close the gap and draw the panels together.
5. Join one side at a time (front or rear), then repeat on the opposite side.
6. Join internal wires (clip or twist); ensure tight connections.
7. Cut joining wires off close to the join and ensure straight alignment when viewed from a distance.
8. Trim or flatten any sharp ends.

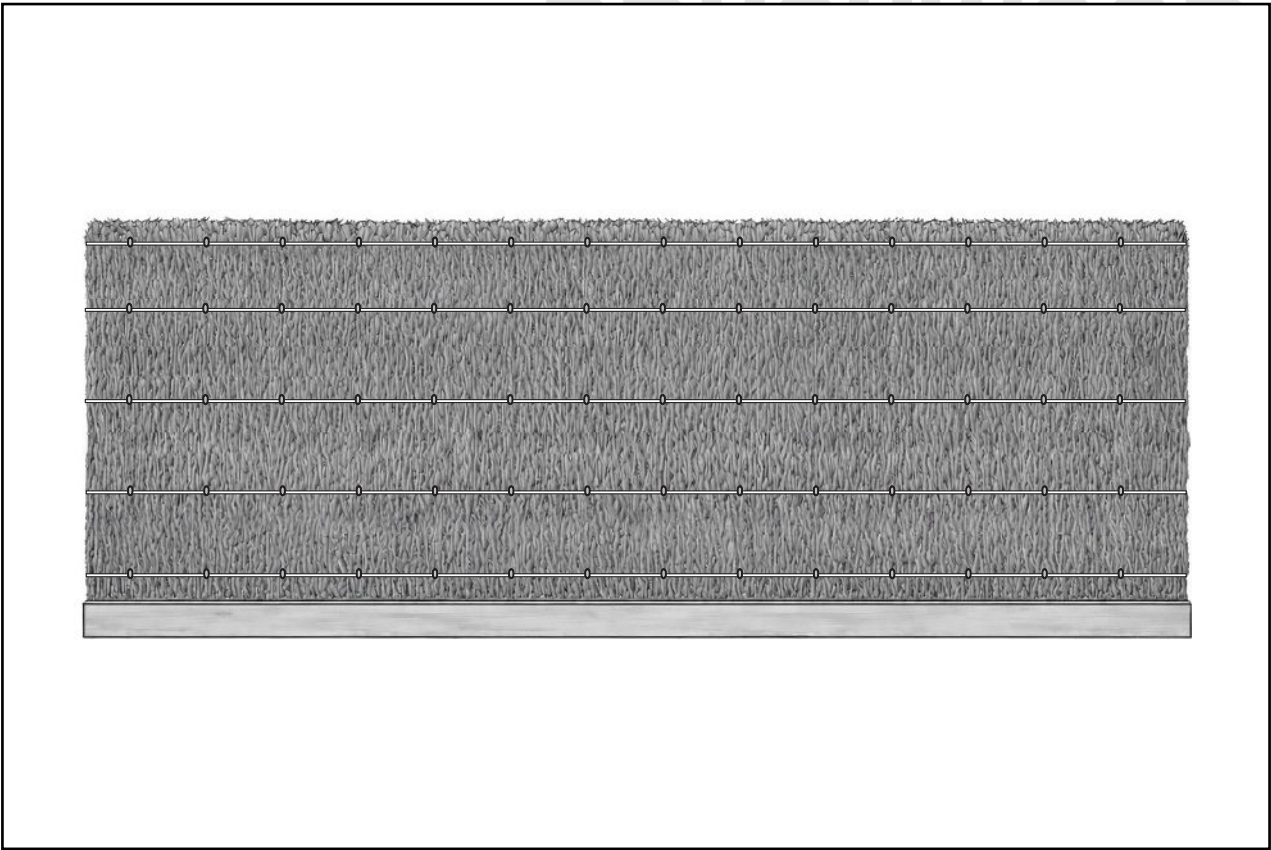
Important: Sequence is cut → pull/prep → tap → join → trim excess.



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Step 9 — Install PreMade Roll Tops & Optional Post Covers

1. Place the roll top over the panel top and 20 NB rail.
 2. Feed the roll top securing wires under the top rail and loop through the top panel wire.
 3. Tension and twist wires to draw the roll top tight and flush. This twist and join is done on top of the premade brushwood roll top, not on the sides.
 4. Secure at approximately 300 mm intervals to prevent sagging.
 5. Blend joins by teasing brush sticks together where the roll meets.
- Optional: install brushwood post covers over 40 NB posts and fix with wire ties.

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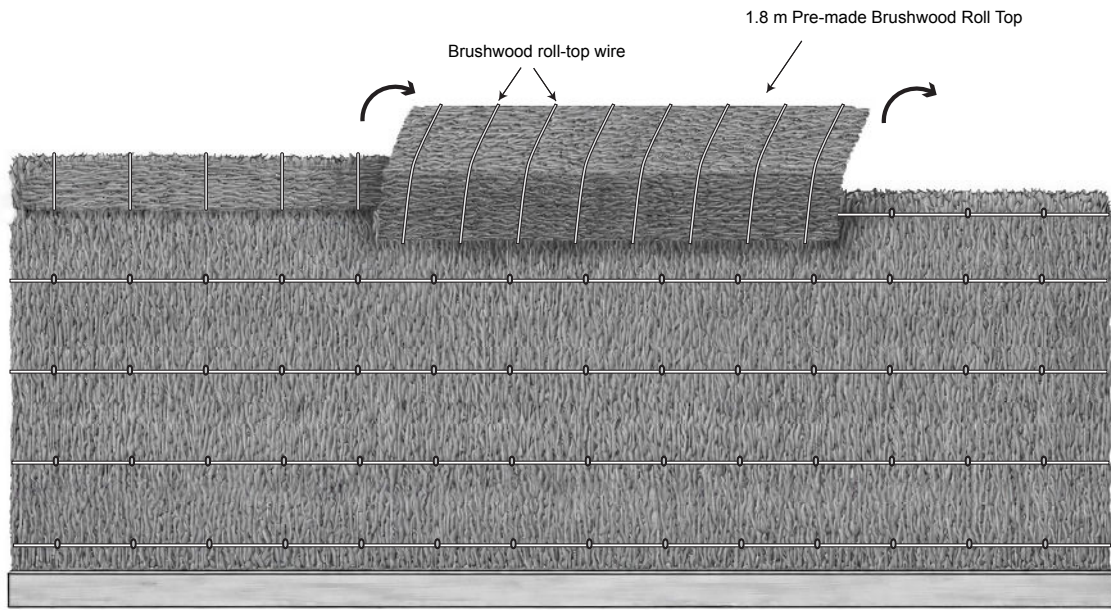
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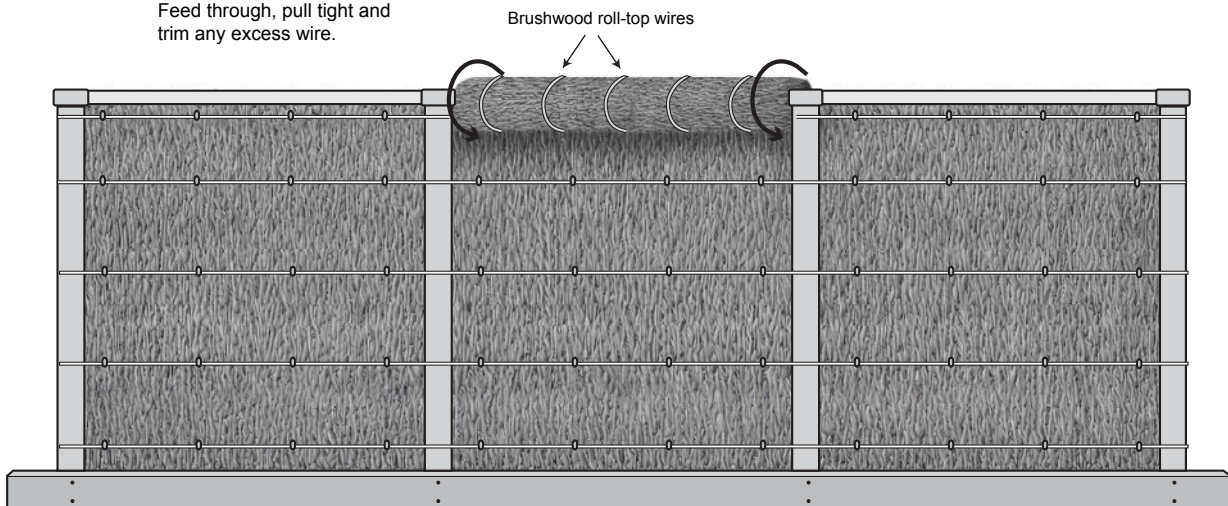
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Face View

Brushwood roll-top wires goes underneath both the cross rail and the top wire on the panel.

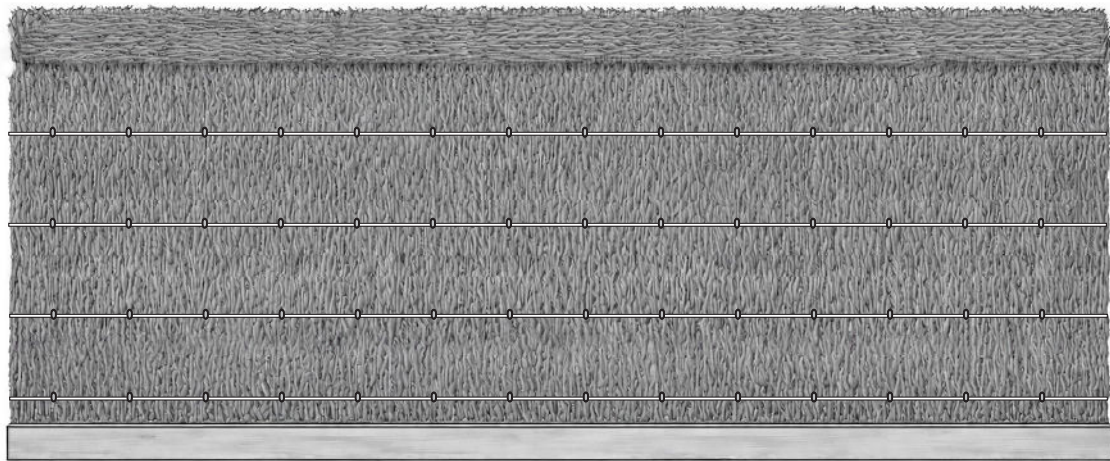
Feed through, pull tight and trim any excess wire.



Rear View

Final Inspection & CleanUp

- Check tops are flush, and tension is consistent.
- Ensure netting clips are fully crimped (twice) and joins are tight.
- Cut joining wires close and align visually.
- Flatten or tuck sharp ends and remove debris.
- Inspect post caps, plinth fixings and top rail brackets for secure fixing.
- Final visual check from a distance to ensure a neat, uniform finish.



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