



 Boundaryline

ColourSlat Install Guide

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Before you start

Read this entire install guide before beginning any installation.

For guidance, information or advice, our technical team is available Monday to Friday, 7am to 5pm. Call us on 0800 003 006, or email enquiries@boundaryline.co.nz

Identify soil type/ground conditions to determine the required concrete and footing details.

Be aware of any underground services prior to commencing digging, identify the legal boundary and check local council regulations on boundary fencing. Contact the local council for more information.

Required Tools/Materials

- Tape measure
- Square
- Shovel
- Line Marking Paint
- String Line
- Spirit or laser level
- Drill/Driver
- Hex drive bit *5/16 driver*
- Auger/Post hole digger
- Circular Saw
- Rivet Gun

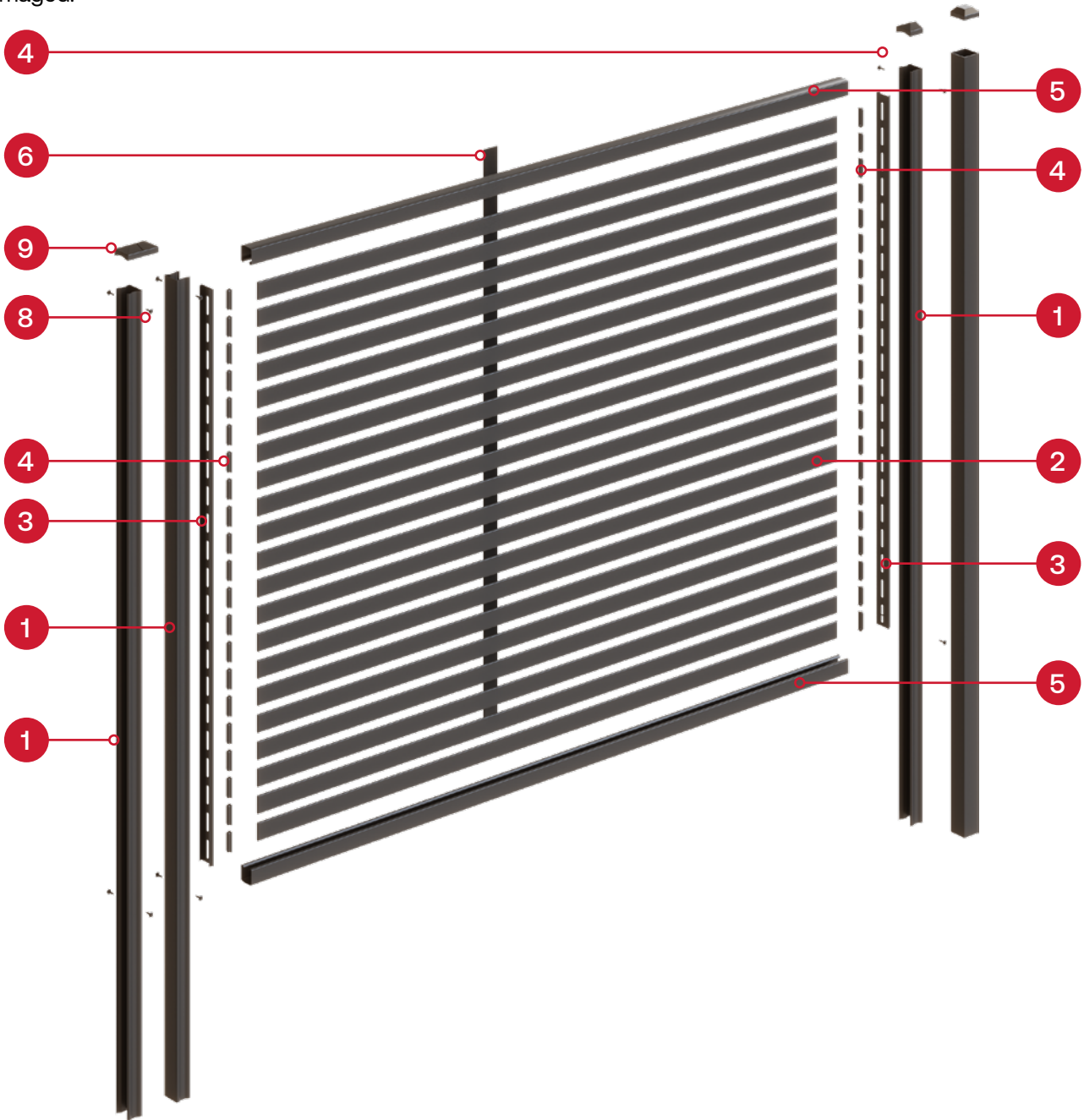
Safety Gear

- Safety boots
- Gloves
- Eye protection
- Hearing protection
- Sun protection

Carefully read through the entire installation guide before commencing any installation work. Ensure measurements are correct before cutting components.

ColourSlat Fence Components

Take care when opening and unloading the package. Ensure all components are accounted for and check it is all undamaged.



A complete ColourSlat Fence System consists of:

1. C-posts



x2

2. ColourSlat Slats



x21*

3. Slotted Post Insert



x2

4. Grommet/Locking Plug



x6

5. Rails



x2

6. Centre Support



x1

7. Wafer Head Screw



x2

8. Tek Screws



x25

9. Double Caps



x1

*1200mm high ColourSlat has x13 slats
 1500mm high ColourSlat has x17 slats
 1800mm high ColourSlat has x21 slats

Step 1 | Establish Fence Line

1. Hammer a wooden peg (or similar) into the ground at each end of the fence line. These represent the start and end points of your fence. If there is a corner or a change in direction, put a peg in at each of those points too. *Fig. 1*
2. Tie a string line to the first marker peg, keeping the string line just off the ground. Run the string line along the pegs, from the beginning peg to the end, keeping the string line taut and straight with no sag. *Fig. 2*
3. Once the string line is in place, measure along the line and mark where the post centres will be located with spray paint or a marker peg. *Fig. 3*
4. To calculate standard ColourSlat post centres measure the bottom rail length and add 10mm to allow for clearance.

Standard Post Centre Positions:

Rail length	+	Clearance	=	Post centre
2370mm	+	10mm	=	2380mm

5. After marking post positions, dig the post holes. *Fig. 4*
6. Post hole depth will vary depending on ground conditions and fence height. All post holes should be at least 250mm in diameter and should be straight, with the sides either parallel, or wider at the bottom than the top.

Post Hole Depths:

Soil type	Min. hole depth	Approx. required concrete (20kg bag)
Clay/Firm Earth	600mm	2 bags per post hole
Sand/Loose Fill	900mm	3 bags per post hole

7. The rails and slats can be cut down to achieve even bay spacing across the entire fence line, instead of ending up with one narrow bay one end.

TIP Lay out your posts and rails along the fence line to establish the post positions before commencing digging *Fig. 5*



Fig. 1



Fig. 2

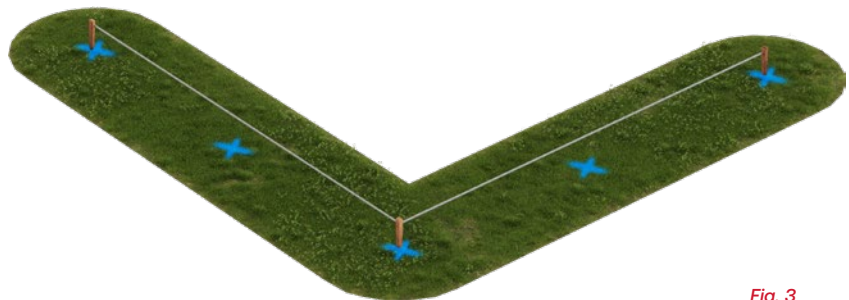


Fig. 3



Fig. 4



Fig. 5

Step 2 | Connecting C-posts

We recommend using 65x65mm posts for corners, junctions and ends to provide extra strength and stability; however these aren't required in every case.

If you need assistance or advice, contact us, we can help identify where 65x65mm posts may be required for your installation.

There are several methods for connecting corners, junctions, ends and line posts when installing products that utilise the C-posts. The following examples show various configurations for corners, ends, and junctions.

Line Posts:

1. Attach two C-posts directly back to back
2. Attach two C-posts to opposite sides of a 65x65mm post

Corner configuration:

3. Attach two C-posts to adjacent faces of the 65x65mm post.
4. Attach one C-post to the side of the other C-post.

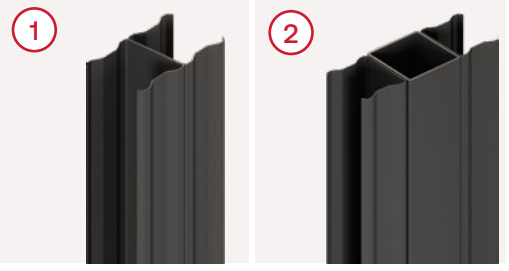
T junction configuration:

5. Attach three C-posts to adjacent faces of the 65x65mm post.
6. Attach two C-posts back to back, then attach the third C-post centred to the join on the sides of the posts.

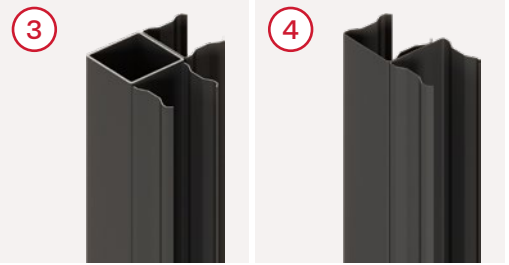
End Posts:

7. Attach a C-post to a 65x65mm post.
8. End with a C-post

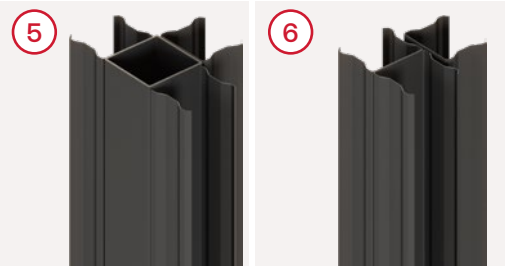
Line Posts



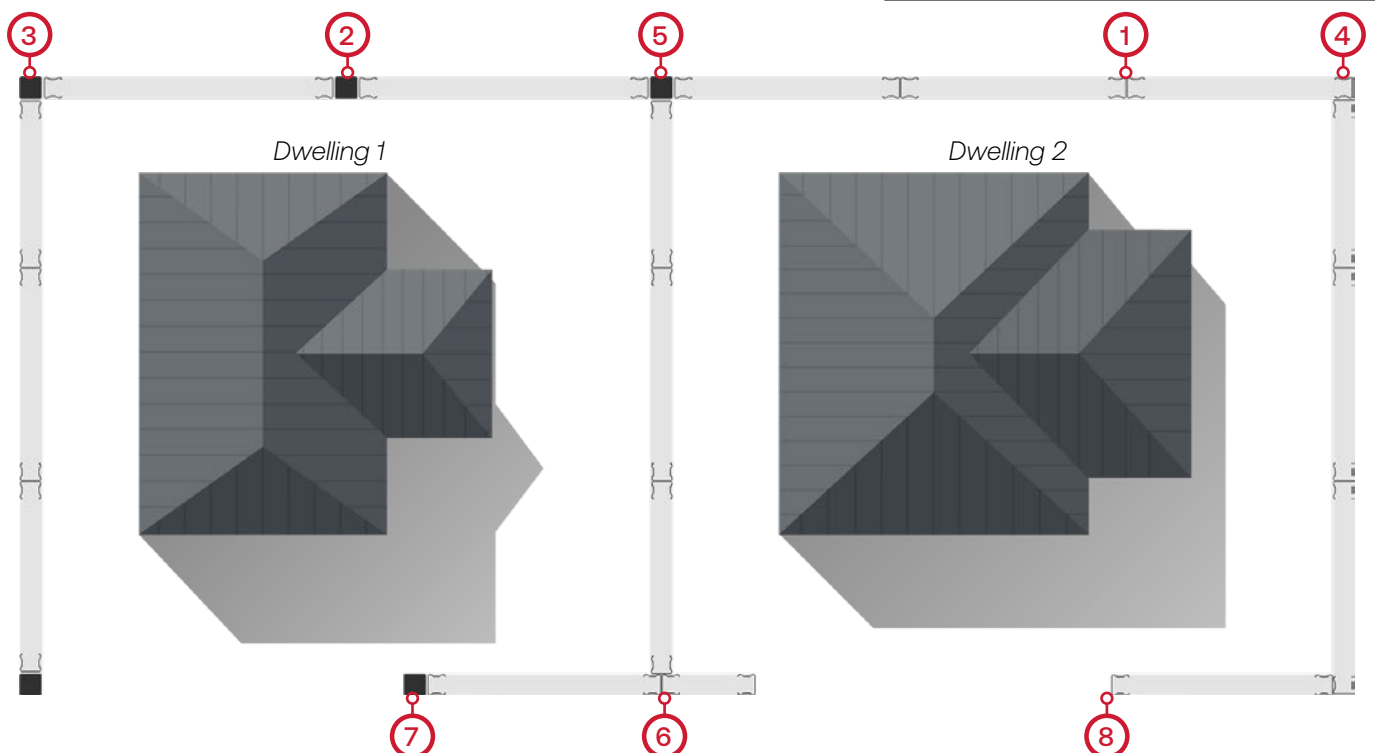
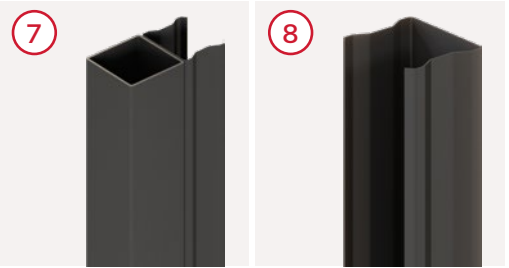
Corner Posts



T Junction



End Posts



Step 3 | Installing Posts and Rails

1. Fasten the C-posts together, back to back. Begin by attaching two tek screws approximately 40mm apart and 100mm from the top of the post. *Fig. 6, Fig. 7, Fig. 8*
2. Continue fastening down the length of the C-post, alternating the fixing sides, and spacing the fixings up to 300mm apart, centre to centre. *Fig. 8*
3. Place the first post in the post hole. Ensure there is at least 100mm of concrete beneath the post in its final position. Check the posts are vertically aligned and brace them into position. *Fig. 9*
4. Fill the hole with fully mixed wet concrete, compacting to remove any voids. Slope the surface of the concrete away from the post to prevent water pooling. *Fig. 10*
5. Insert the bottom rail into the first C-post to determine the position of the following post. *Fig. 11*
6. Adjust the height of the bottom rail. It's important to maintain a minimum 50mm gap between the bottom of the rail and the finished ground level. *Fig. 12*
7. Fix the bottom rail into position on both posts. *Fig. 12, Fig. 13*
8. Continue inserting posts and attaching rails along the entire fence line.

Typical methods for connecting C-posts in corners, ends and junctions are shown on [page 05](#).



Fig. 6



Fig. 7



Fig. 8

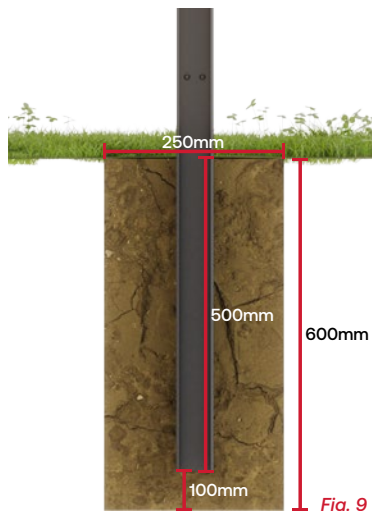


Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13

Step 4 | Installing Slats

Once the concrete has cured, the slats can be installed.

1. Slide the slotted post inserts into the C-posts. *Fig. 14*
The grommets and locking plugs should already be installed, with the grommets in one slotted post insert and the locking plugs in the other. Check the locking plugs all have the lock point at the bottom of the slot, *Fig. 15*, and they are all properly seated into their positions.
2. Remove the plastic covering from the slats. Each slat will have a small notch on the bottom side at one end, *Fig. 16*. If the slats need to be cut shorter, cut from the end that has no notch.
3. Insert the clean end of the slat into the grommet until it makes contact with the back of the C-post, ensuring the notched end is on the side of the locking plugs. *Fig. 17*
4. Insert the notched end into the locking plugs and push down to lock the slat into its final position. *Fig. 18*
5. Continue to install the slats until all the slots are filled.



Fig. 14



Fig. 15

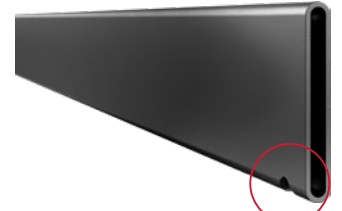


Fig. 16

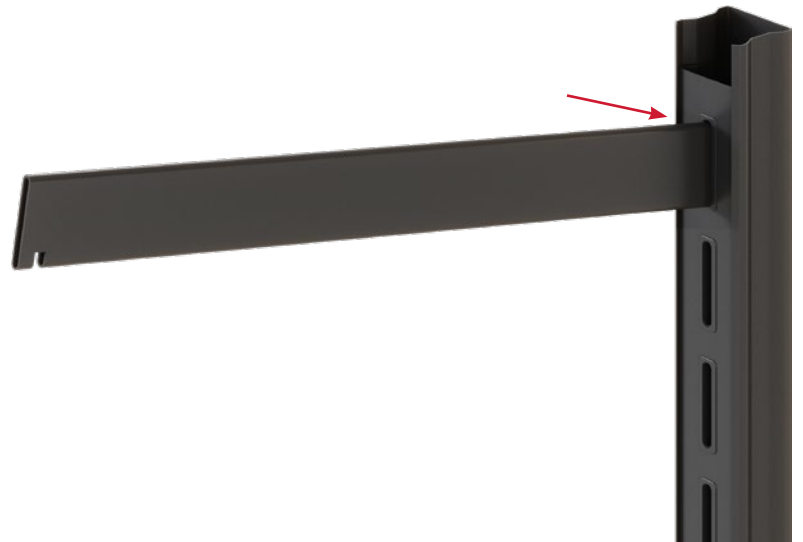


Fig. 17



Fig. 18

Step 4 | Attaching Centre Support and Post Caps

1. Mark the centre of the top and bottom slats.
2. Remove the plastic covering from the vertical support and place in the centre of the slats inside the bottom rail. Attach the centre support to the slats using the provided rivets through the pre-drilled holes. *Fig. 19*
3. Place the top rail between the C-posts and secure into place using the provided tek screws at each end of the rail on both sides of the fence. *Fig. 20*
4. Secure the centre support to the top and bottom rails using the provided wafer head screws. *Fig. 21*
5. Attach the post caps to the posts and the double cap post caps to the C-posts. The double caps can be split in half using nippers (or a similar cutting tool) at the edges of the caps centre seams on both sides and bending along the seam to snap them apart.
6. If the caps aren't a tight fit, a small bead of silicone can be used to secure them into place.

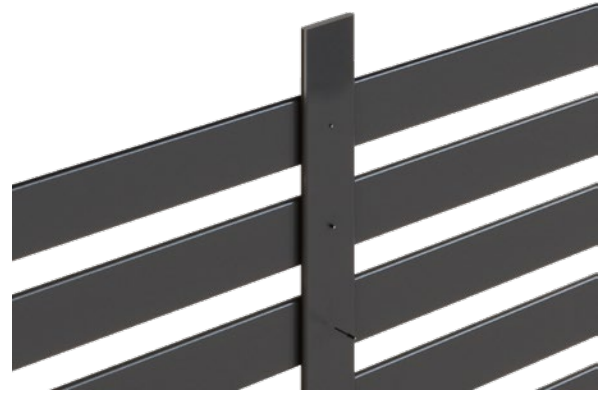


Fig. 19



Fig. 20

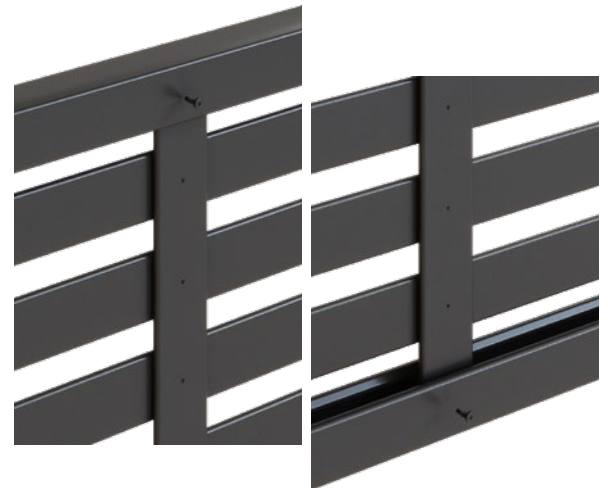
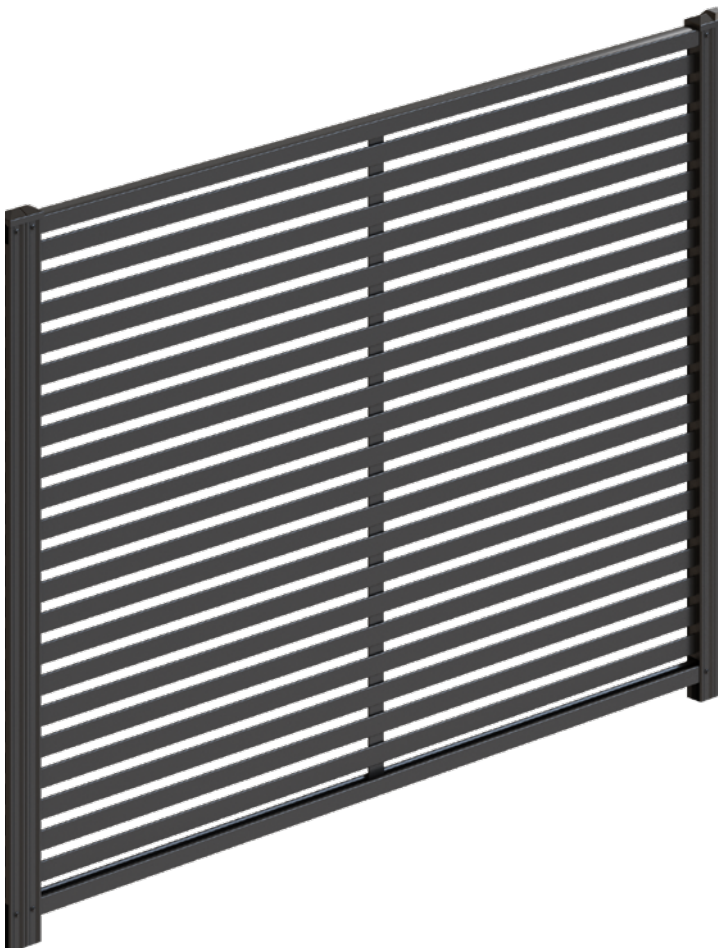


Fig. 21



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Please note: This document is only intended to be a general guide, as every property and situation is different. All measurements are provided as a general guide. For detailed specifications, including full technical drawings and PS1 documents (where applicable), please refer to our website.

Any installation work, including the use of power equipment is completely the responsibility of the person(s) installing.

All persons using power equipment must be trained and certified to use the equipment and must wear all applicable personal protection gear.

Boundaryline Limited cannot accept any responsibility for any faulty installation or damage or injury arising from installation work.

Our team is available 7am - 5pm, Monday to Friday on 0800 003 006 or email us at enquiries@boundaryline.co.nz.