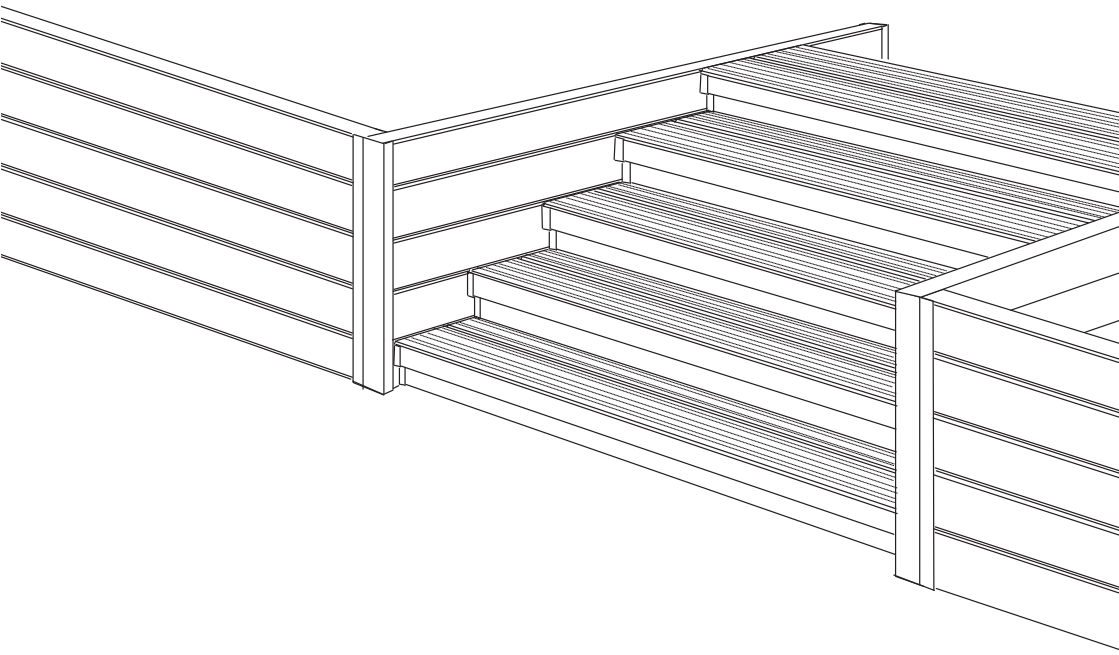
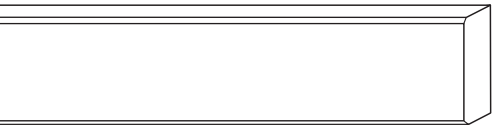
OUTBACK SLEEPERS

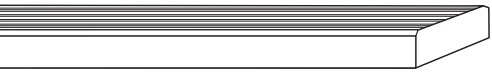


Step Kit
Installation Guide

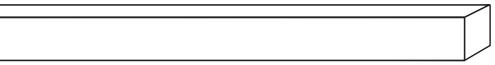
What you need



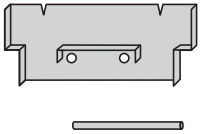
- **Side Sleepers**
  (no pattern)
  2 x for each layer
  2.0 or 2.4m



- **Step Treads**
  2 x for each layer
  2.0 or 2.4m



- **Crib / Riser**
  1 x for each layer
  2.0 or 2.4m



- **Step Support Plate Kit**
  2 x Step Support Plates +
  4 x Locating Pins for each layer

Step Kits are not supplied with Steel Channels (sold separately).
Steel Channel lengths and type requirements will vary due to specific site conditions.

Installation Tools:

- Masonry Drill with 10mm + 12mm bits
- Chemical Anchor (Glue) Cartridge and Caulking Gun
- Temporary Timber Bearers (included with the delivered Step Kit)
  Used to support the side sleepers when marking and attaching the metal Step Support Plates.
- Spirit Level
- Extra set(s) of hands (with gloves) for heavy lifting.

Helpful Tips

Before you start.

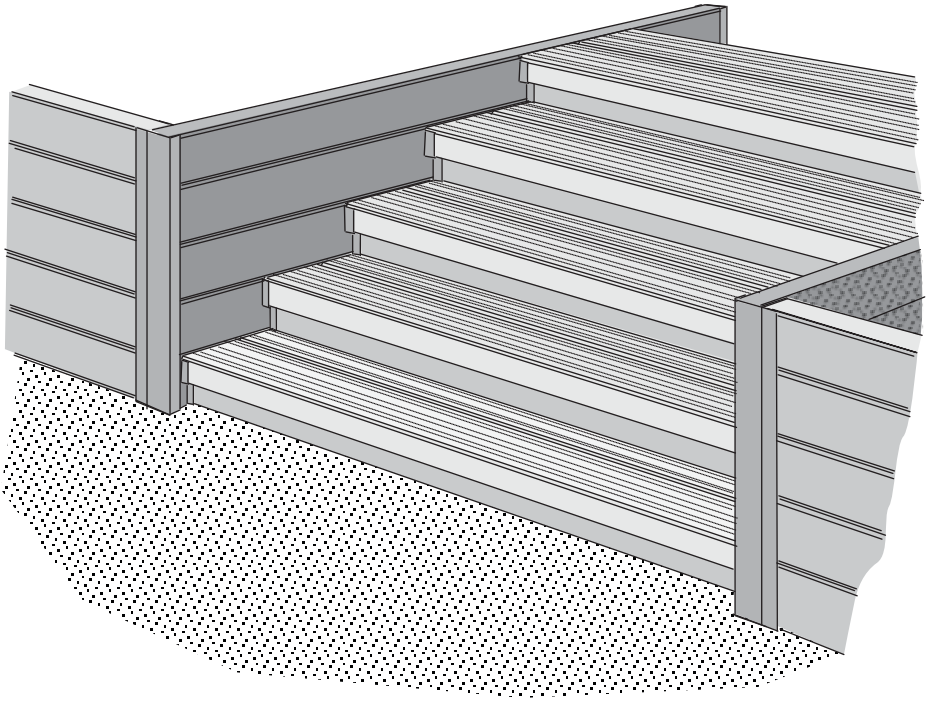
Before you begin, please read the tips below to ensure a smooth installation:

Tip #1: Set aside time to install – no-one wants a rushed job.

Tip #2: Only build one layer at a time.

Tip #3: IMPORTANT Do not add Side Sleepers before placing Crib / Riser and Step Tread on existing layer.

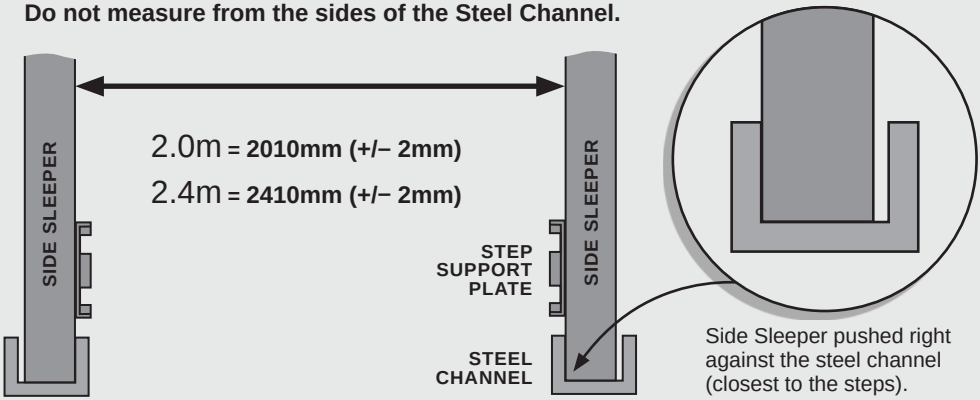
- On the first Side Sleeper layer there needs to be an 100mm allowance before the Step Support Plate is attached, to allow for the Channel Column.
- On the last layer there needs to be an 55mm allowance from the Step Support Plate to the end of the sleeper.
- The width of the Step Support Plate is 420mm (10mm steel side wall thickness).
- You can trim off excess length of Side Sleeper at the back if required.



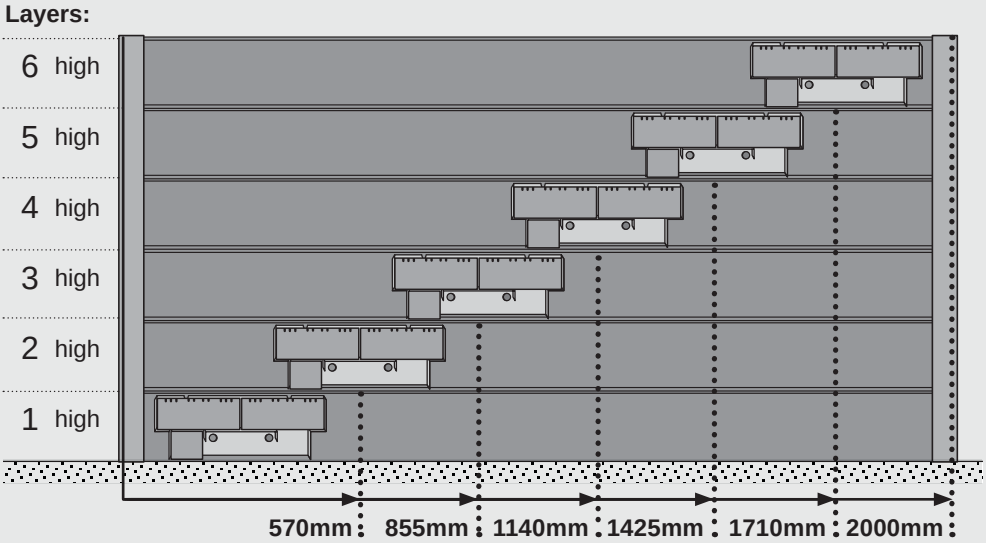
Step Kit: Measurements

Step Tread Width / Opening Allowance.

- Measure from Side Sleeper to Side Sleeper.
  Do not measure from the sides of the Steel Channel.

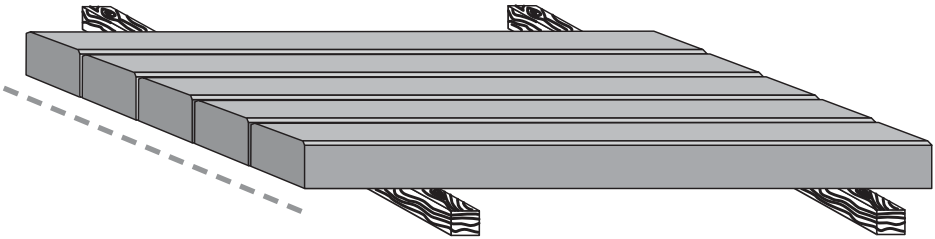


Side Sleeper Length Allowance.



Step 1: Side Sleepers

Prepare the Side Sleepers.

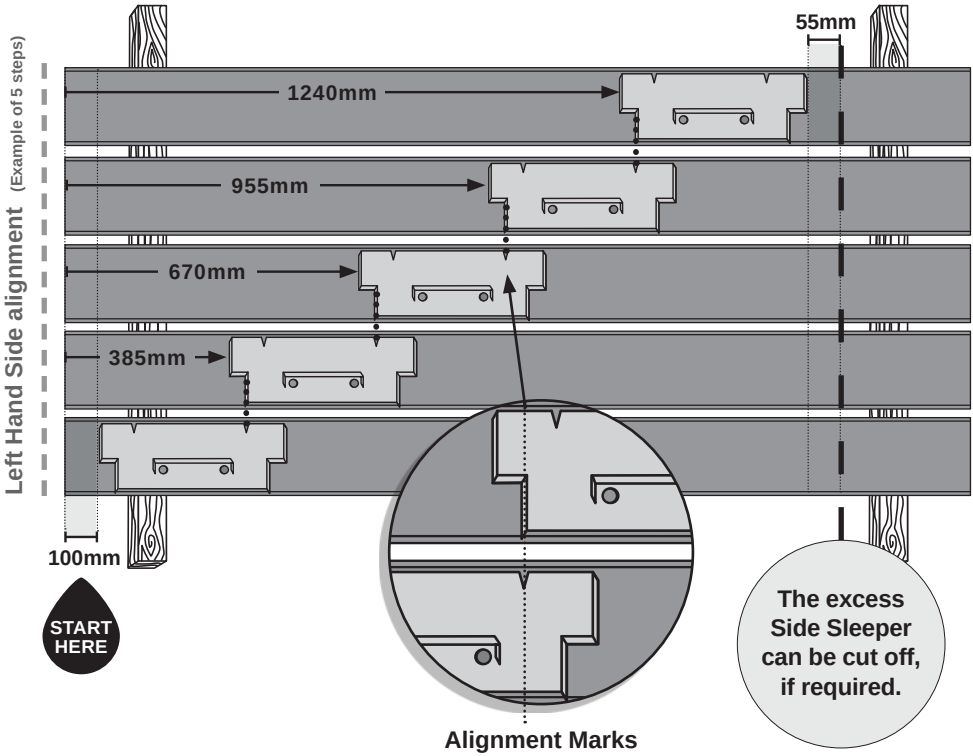


Example of 5 High Step Kit:
Side Sleepers aligned for left hand side.

- Lay two timber bearers on flat ground.
- Rest the Side Sleepers face up (plain face/no pattern) on timber bearers, one for each layer.
- Align the Side Sleeper ends in a row, ensuring a straight edge to work off – left hand edge for left hand side of stairs and right hand edge for the right.

Step 2: Step Support Plates

Placement of Step Support Plates.



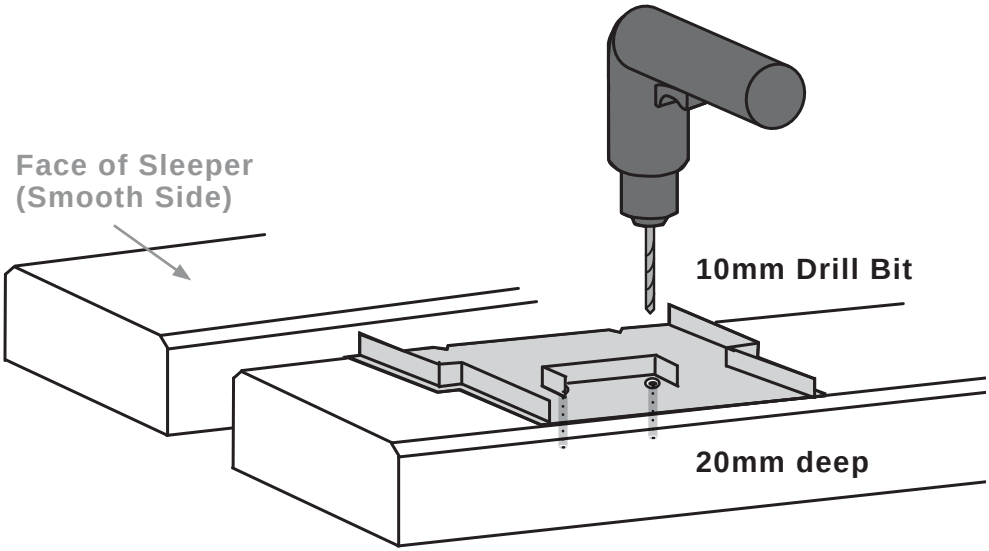
- Place the first Step Support Plate centrally on the lowest sleeper, 100mm from edge to allow for the Channel Column.
- There are two methods for fixing the subsequent Step Brackets. Choose one from below:

  Method One: The Step Support Plate has two notches cut in the top edge. These are Alignment Markers for easy spacing with the next plate. In all cases, the front bottom edge of the higher Step Support Plate must align with the lower notch, as shown above. **OR**

  Method Two: Using the above diagram, measure the distance from the front edge of the Side Sleeper to that of the Step Support Plate being laid.
- When aligning the Step Support Plates on the right hand side, the same procedure applies, using the opposite notches, and starting from the right hand side.

Step 3: Drill Holes

(1) Drill Pilot Holes.

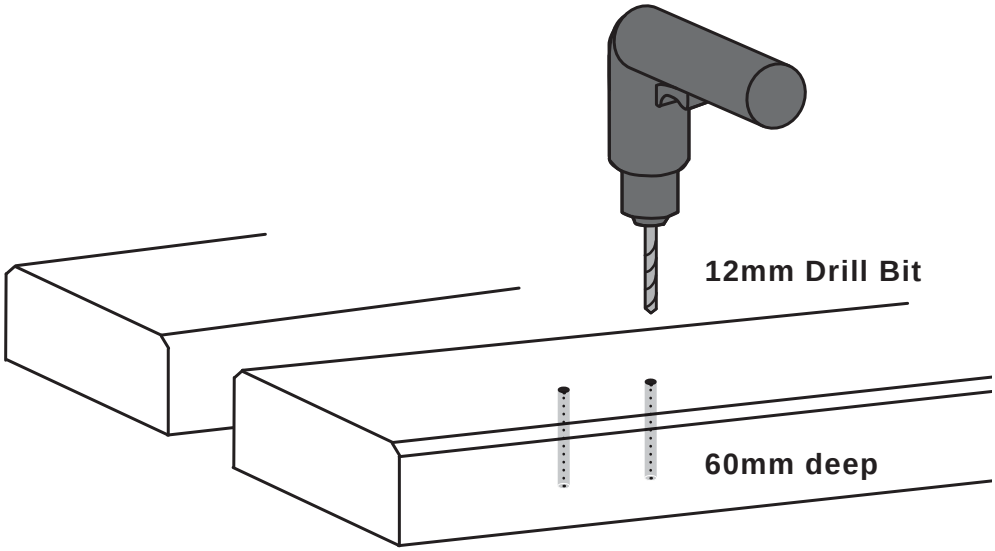


- With all of the Step Support Plates now positioned, drill through the two attaching holes with a **10mm masonry bit, to a depth of approximately 20mm**.

Tip #1: Ensure that the plates are held centrally on the sleeper before drilling.

Tip #2: A second person may be needed to hold the plate in position whilst drilling is being done.

(2) Hole Preparation.

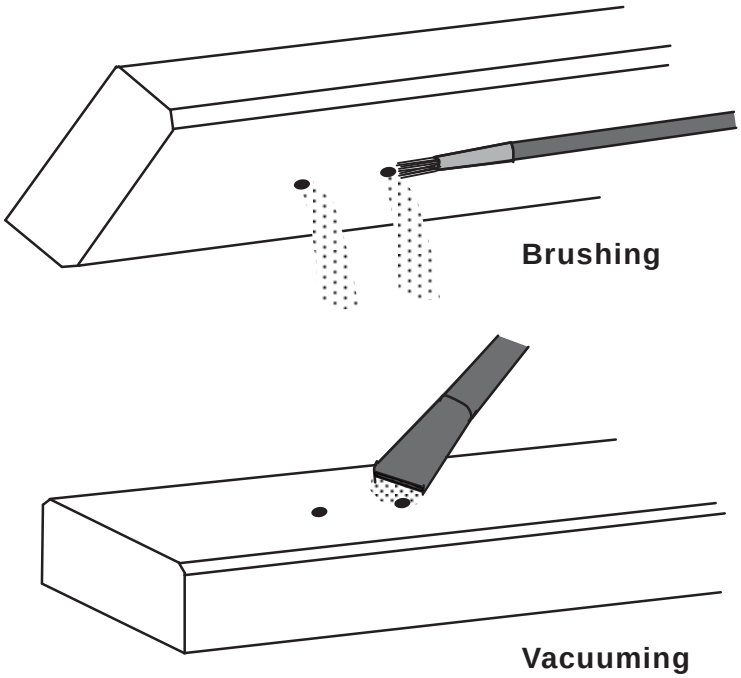


- Now all pilot holes have been drilled, remove the Step Support Plates and re-drill ALL the holes out to **12mm diameter and 60mm deep**.

Tip #1: Keep the drill perpendicular to the sleeper when drilling.

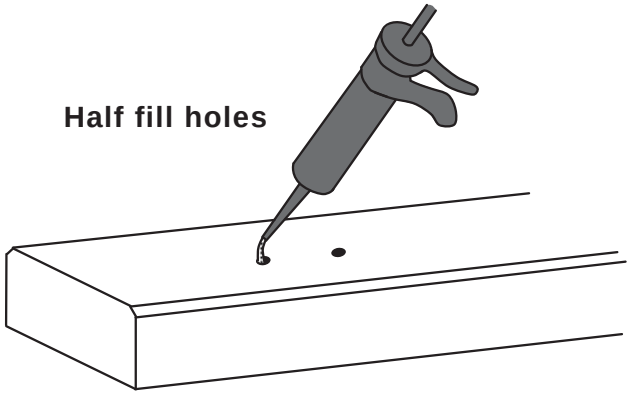
Step 4: Locating Pins

(1) Prepare for the Locating Pins.



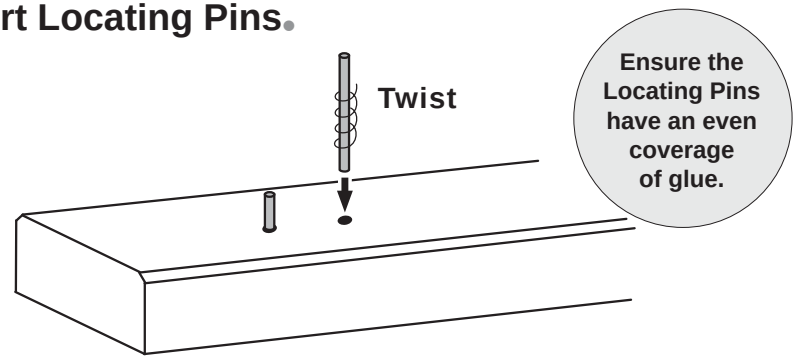
- Before the Locating Pins can be inserted, the holes drilled at Step 3 **must be cleaned out of any concrete dust and chips to ensure a good bond** with the Chemical Anchor Glue.
- This can be achieved by either:
  (1) Tilting the sleeper over and manually brushing out the dust.
  (2) Blowing the dust out with air (while wearing safety goggles).
  (3) Vacuuming the dust out.

(2) Add Chemical Anchor Glue.



- Using the Chemical Anchor Cartridge recommended, half fill each hole with glue.

(3) Insert Locating Pins.

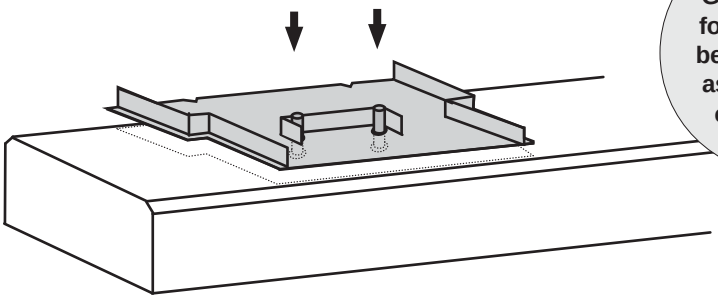


- Within 5 minutes of application, push in the Locating Pins using a twisting motion (to eliminate air bubbles) until they are firmly seated at the base of the hole.
- Wipe away any excess glue.

Tip #1: Step 5 Should follow quickly.

Step 5: Step Support Plates

Attach the Step Support Plates.

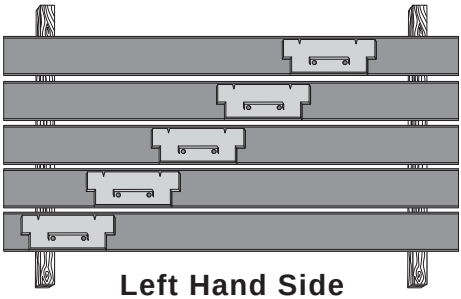


Glue must set for 20 minutes before Step Kit assembly can commence.

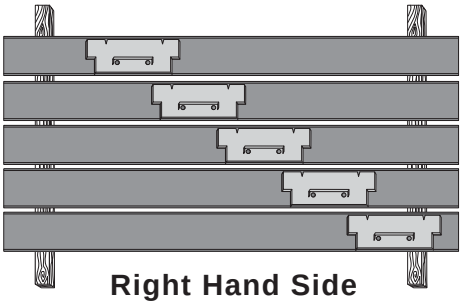
- Before the Chemical Anchor Glue sets, it is advised to place the Step Support Plates over the Locating Pins to ensure a correct fit. Make sure the plate sits firmly and squarely against the Side Sleeper front face.
- Continue with all the Step Support Plates for this side of the wall, but don't fit any into the column channels yet.
- **Allow the Chemical Anchor Glue to cure for a minimum of 20 minutes before Step Kit assembly.**

Step 6: Repeat the process

- Steps 1 to 5 can now be repeated for the right hand side wall, taking care to follow the alignment rules and working from the front bottom to the rear top step.



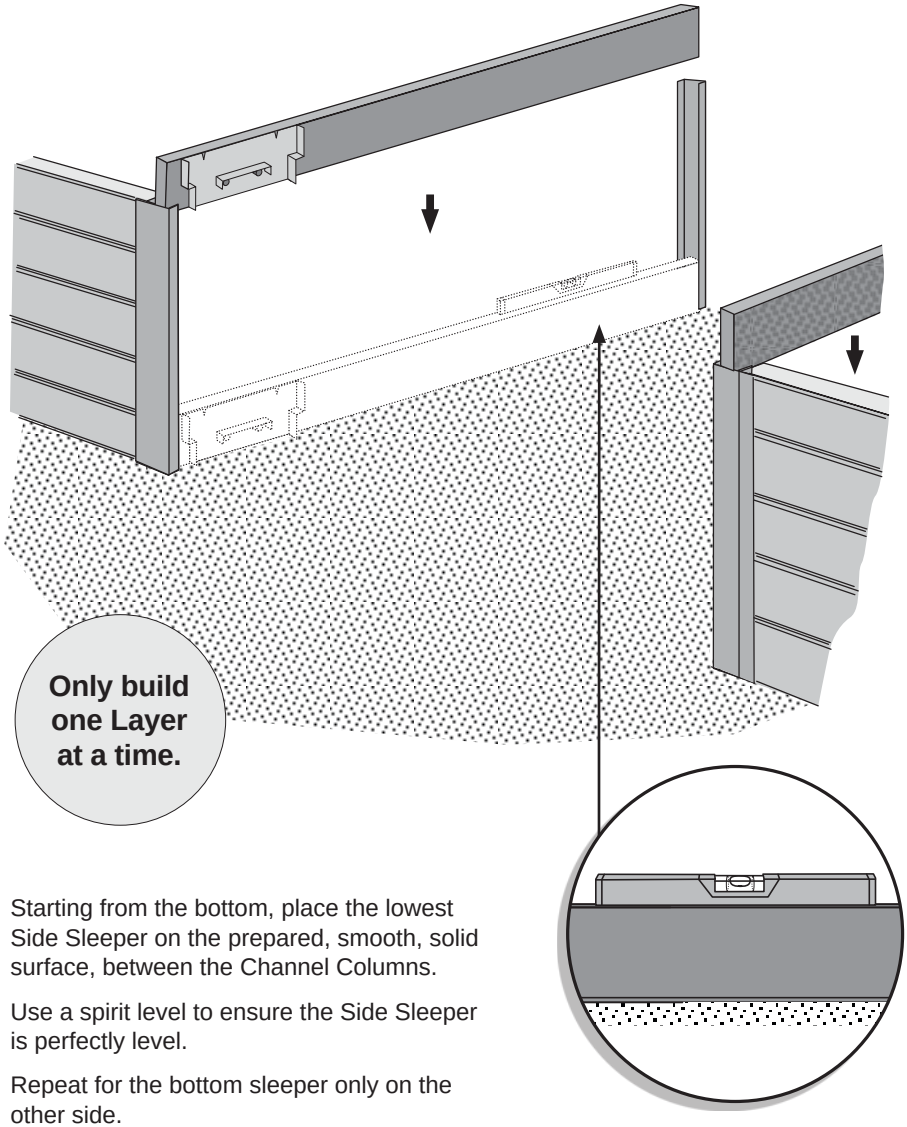
Left Hand Side



Right Hand Side

Step 7: Install the Side

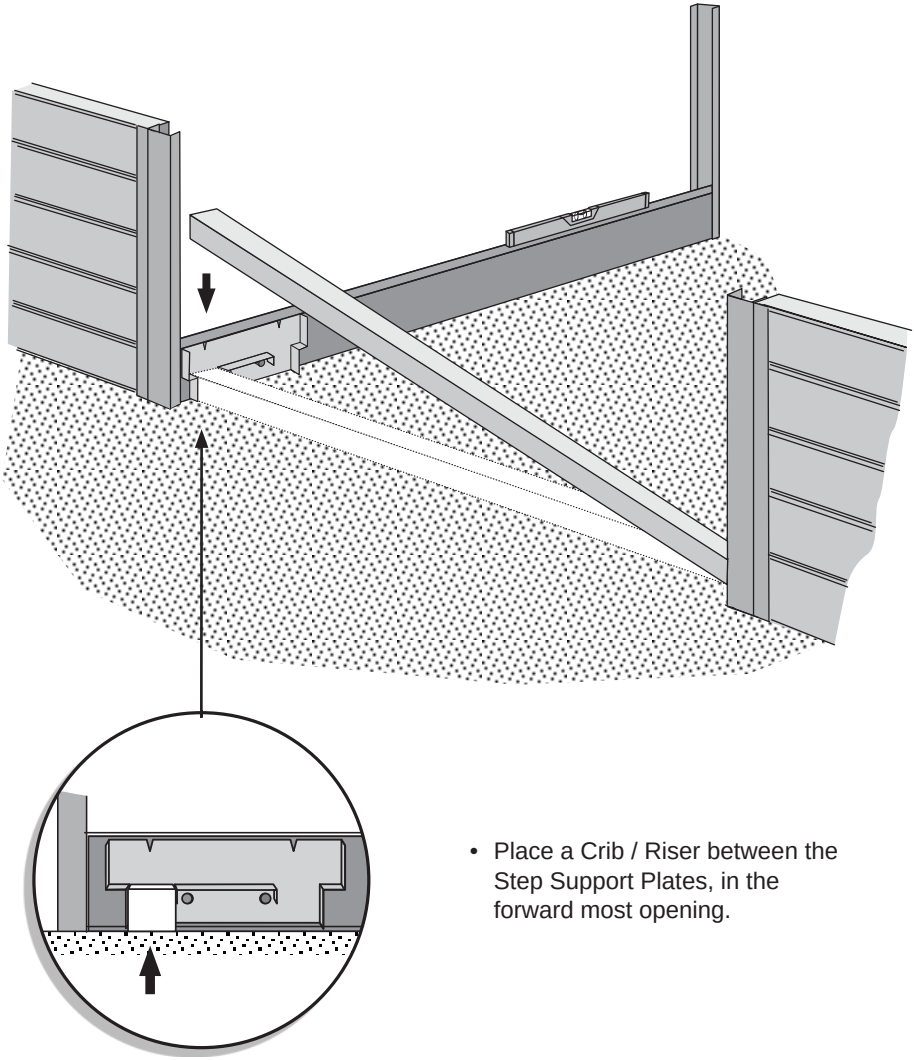
Place Side Sleepers into the wall.



- Starting from the bottom, place the lowest Side Sleeper on the prepared, smooth, solid surface, between the Channel Columns.
- Use a spirit level to ensure the Side Sleeper is perfectly level.
- Repeat for the bottom sleeper only on the other side.

Step 8: Install the Crib

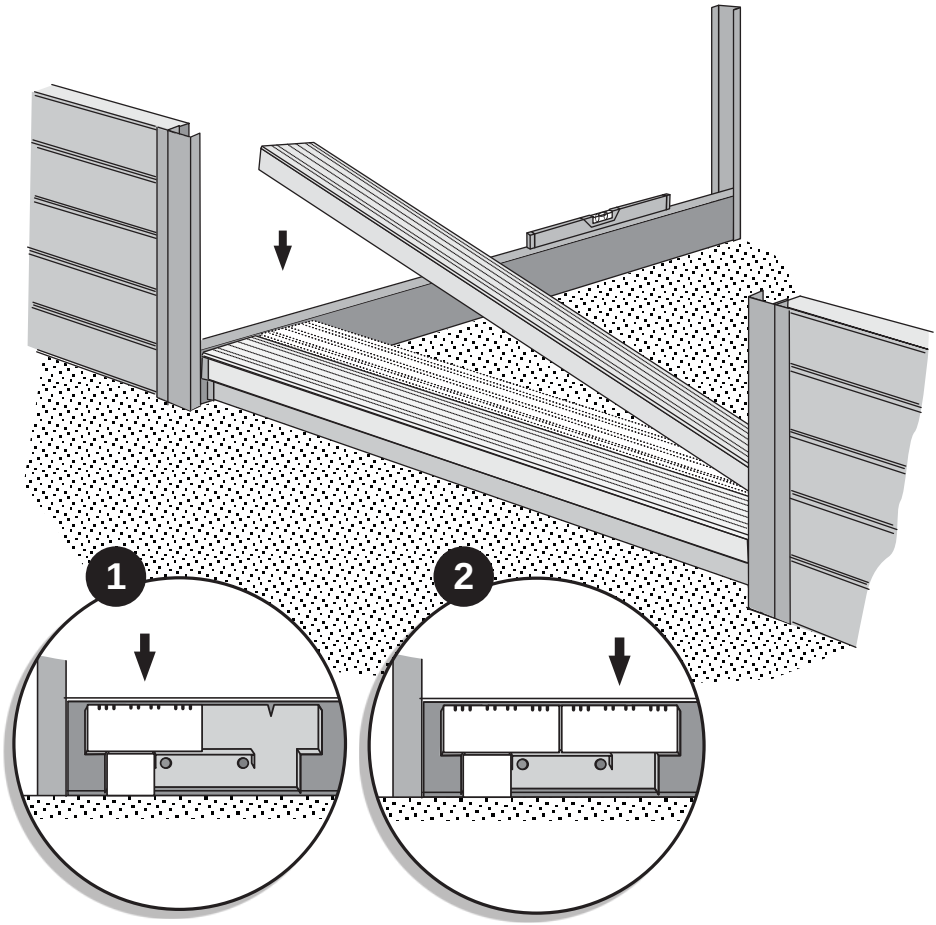
Insert Crib / Riser as shown below.



- Place a Crib / Riser between the Step Support Plates, in the forward most opening.

Step 9: Install the Step Treads

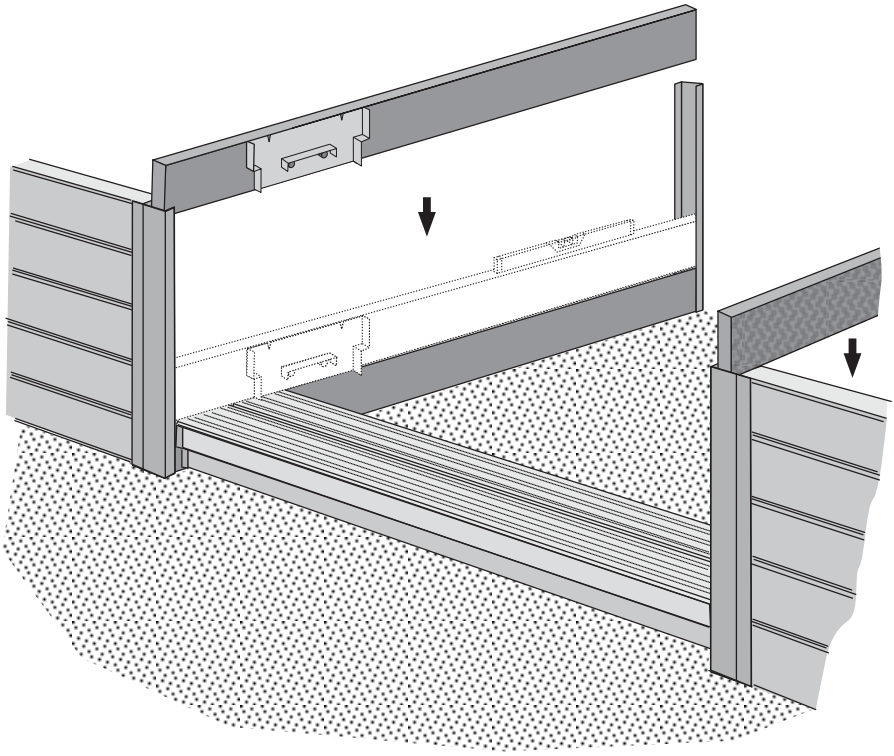
Place Step Treads onto Step Support Plate bracket.



- Add the first Step Tread onto the Step Support Plate bracket at the ‘front’ (covering the Crib / Riser). Add second Step Tread behind first, as shown above. This will complete assembly of the lowest layer.
- Back fill after each layer.

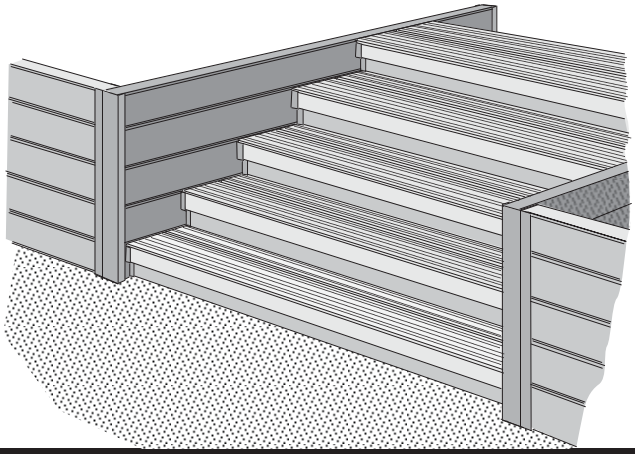
Step 10: Repeat the process

Repeat for each layer.



- Repeat Steps 7-9 for all remaining layers until the Step Kit is complete.

Tip #1: IMPORTANT
Do not add the next Side Sleepers before placing Crib / Riser and Step Tread on existing layer.



Installation Video.

Watch our installation video for more tips:

Go to: **www.youtube.com/watch?v=aUJvzq9LyK0**

www.outbacksleepers.com.au/specifiers/

e-Instructions.

Need an electronic copy of these instructions?

Go to: **www.outbacksleepers.com.au/specifiers/**

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08/23