

TERRASMART BESPOKE PLANTER SYSTEM

INSTALL GUIDE

Compatible with TerraSmart Contour & Ledge Planter Systems



EQUIPMENT

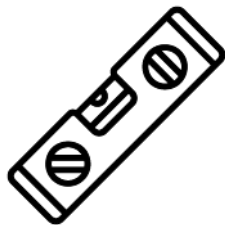
Mitre Saw



Tape Measure



Spirit Level



Angle Grinder



Cordless Drill



Rubber Mallet



Site PPE



IMPORTANT NOTES

When installing as a complete, integrated TerraSmart system:

- RYNO planter systems are not waterproof. Use an appropriate membrane or gasket to prevent leaching.
- Use offcuts of material wherever possible to minimise waste.
- Always use appropriate torque setting on cordless screwdriver for screws.
- Always use correct PPE throughout installation.
- If installing with a TerraSmart Rail system, follow steps in Part 1A and Part 2.
- If installing with a TerraSmart Decking system, follow steps in Part 1B and Part 2.

If fixing into concrete base:

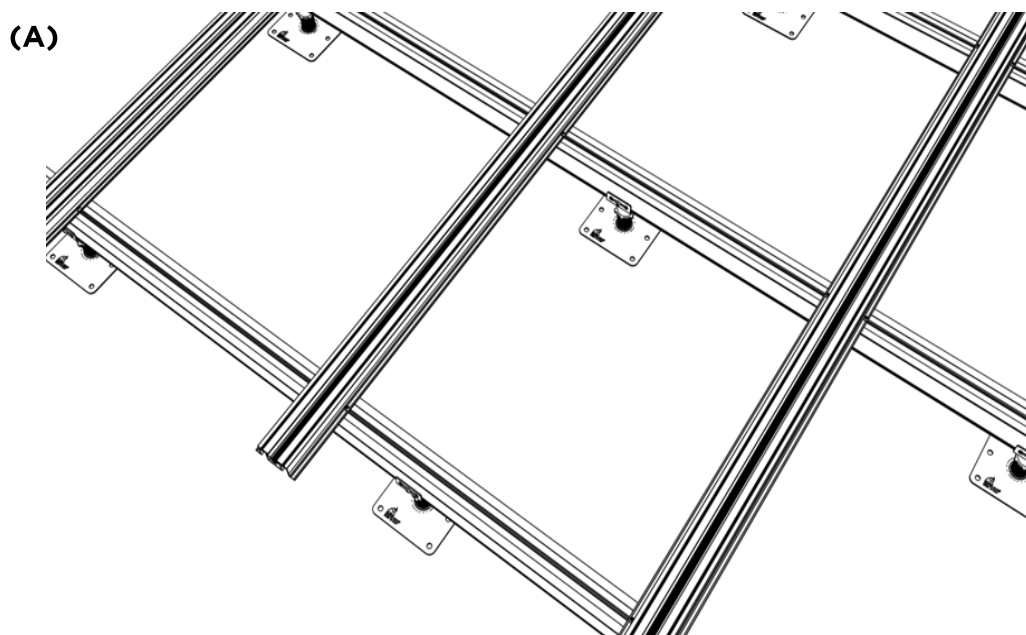
- An M10 anchor bolt with a minimum embedment depth of 90mm into the concrete is recommended.
- The footing itself should be a minimum of 120mm deep. For higher planter faces, a concrete fixing specialist should be consulted.
- RYNO planter systems are not waterproof. Use an appropriate membrane or gasket to prevent leaching.
- Follow steps in Part 2 for planter assembly.
- Typical spacings shown within this guide are based on standard system design conditions. Project-specific loads, finishes, build-ups or design requirements may require alternative or reduced support spacings. Always refer to the project-specific design information where provided. Where requirements are unclear, contact the RYNO Technical Team before installation.

INSTALLATION GUIDANCE

Part 1A:

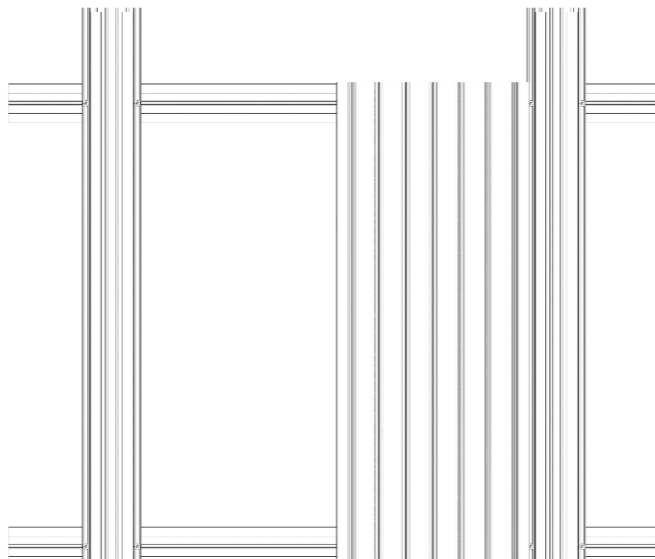
1) Follow steps set out in the relevant TerraSmart Rail Paving System Install Guide. Fig A.

NB: The pedestal and subframe arrangement shown is indicative only. Planters introduce additional imposed loads which may require reduced pedestal and/or support spacings. Pedestal and subframe spacings beneath planters must be determined based on the project-specific planter loads and supporting build-up. Refer to the project-specific design information where provided. If this information is not available, contact the RYNO Technical Team for guidance prior to installation.



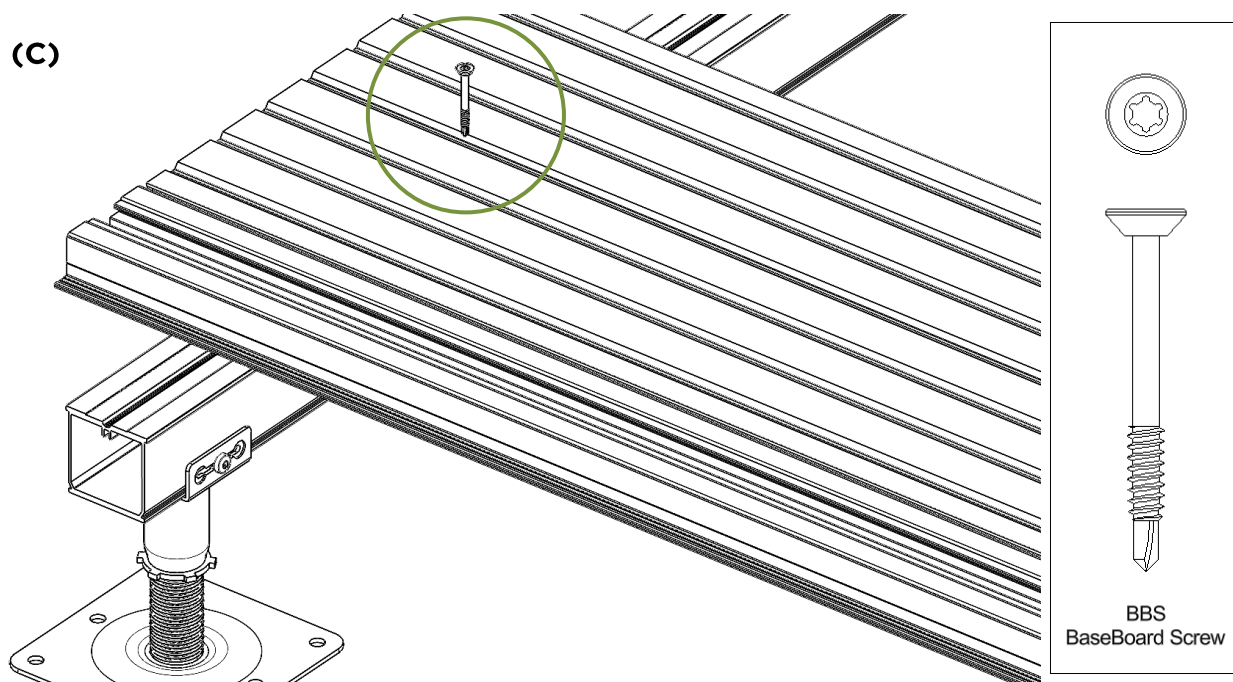
- 2) Install the BaseBoard parallel to the RST Top Rails and fix in place. Note: When the Top Rails are set at 600mm, 2 lengths of BaseBoard will fit side by side between them with a 5mm gap between. **Fig B.**

(B)

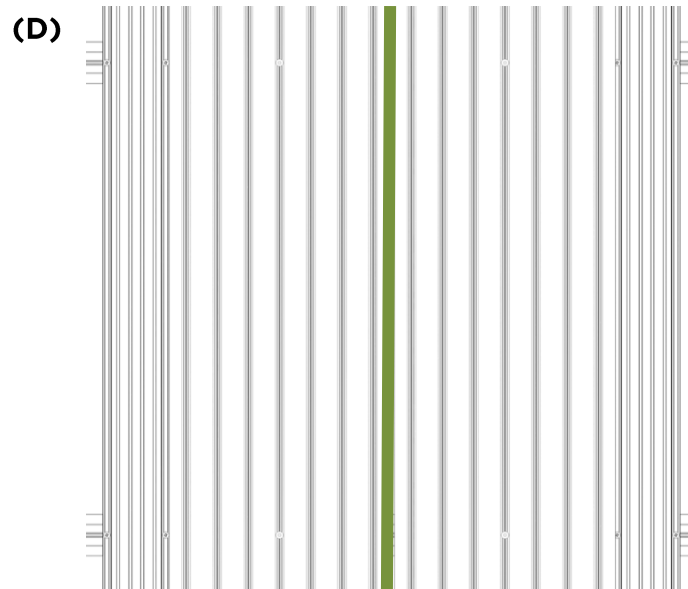


1. Fix the BaseBoard to the DS Aluminium Joist using BBS BaseBoard Screw, via the channels on the BaseBoard surface. **Fig C.**

(C)



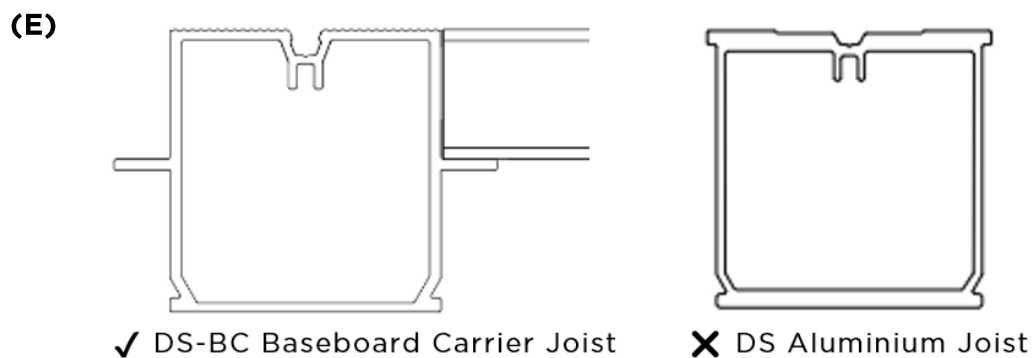
3) Repeat this process, leaving a 5mm drainage gap between each BaseBoard. Fig D.



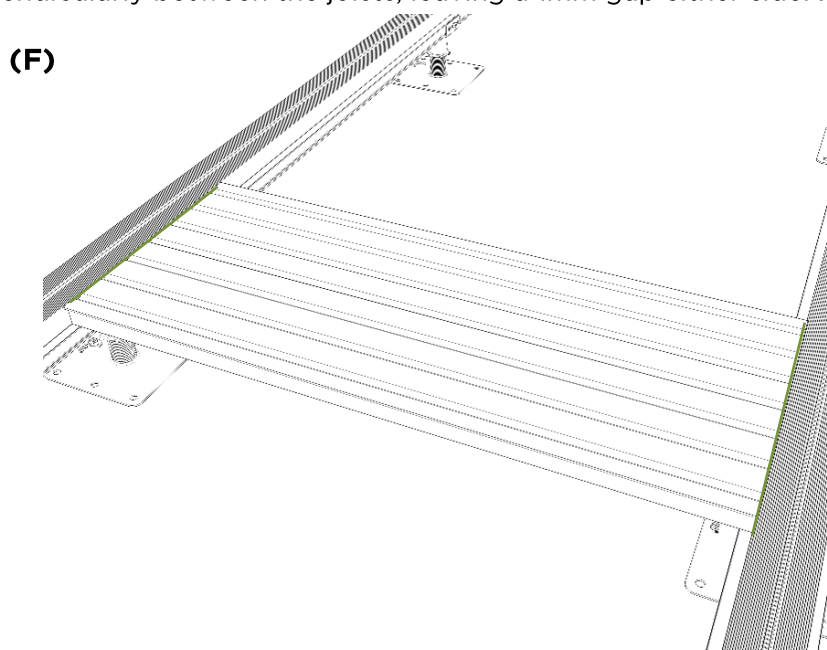
4) Continue this process until you have completed your base area. Then proceed to Part 2.

Part 1B:

1) Follow steps in the relevant TerraSmart Decking System Install Guide, using the DS-BC BaseBoard Carrier Joist, instead of the standard DS Aluminium Joist. Fig E.

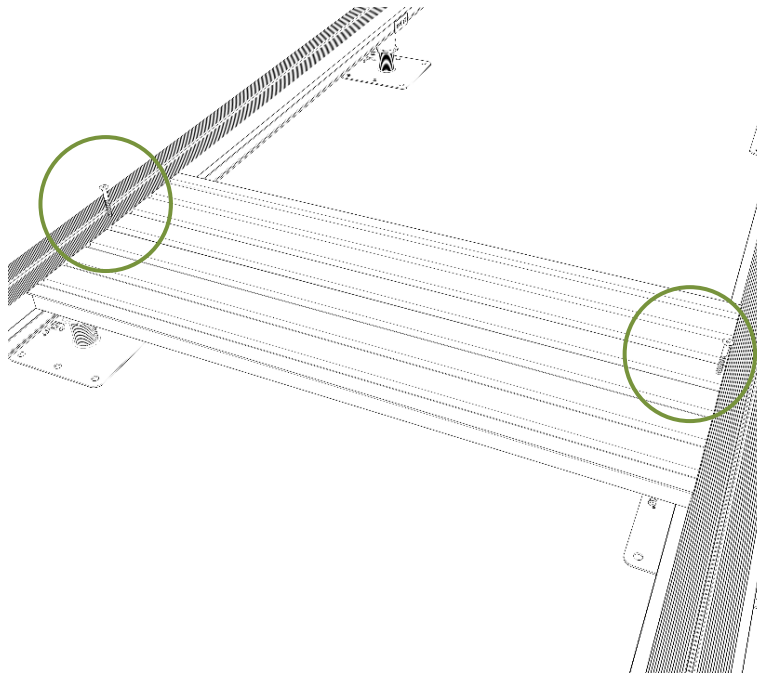


- 2) Measure between the DS-BC BaseBoard Carrier Joist to determine BaseBoard cut size, allowing for 1mm gap at either end.
- 3) Cut the required quantity of BaseBoard at this measurement to get started. Place the cut lengths of BaseBoard perpendicularly between the joists, leaving a 1mm gap either side. Fig F.



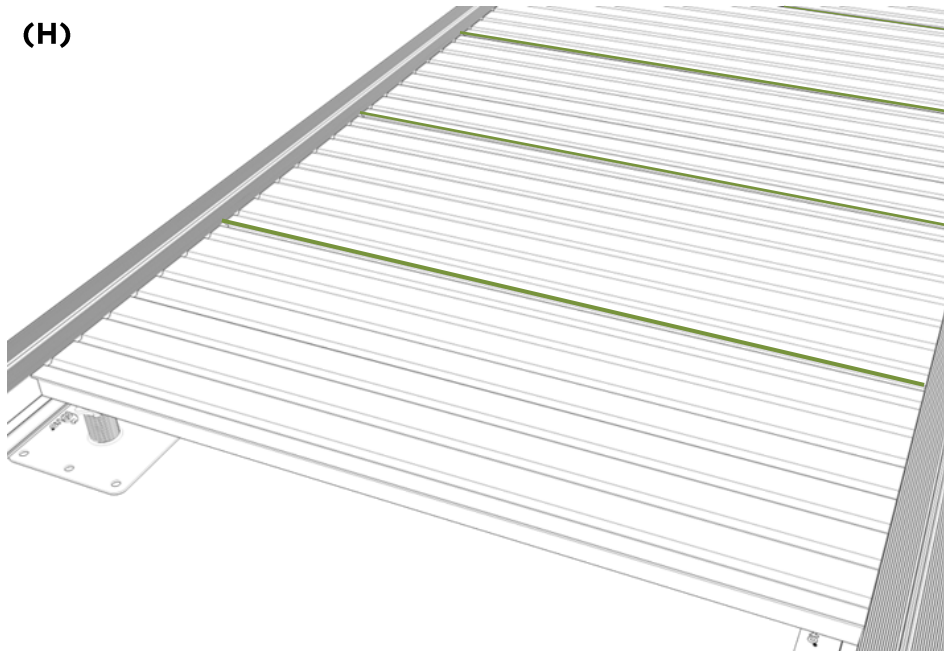
4) Fix the BaseBoard on either side using BBS BaseBoard Screw. **Fig G.**

(G)



5) Repeat this process, leaving a 5mm drainage gap between each BaseBoard, continuing until you have completed your base area. **Fig H.**

(H)



Part 2:

1) Lay out all planter edging panels in their correct positions* and check that all components are present, undamaged, and correctly orientated.**

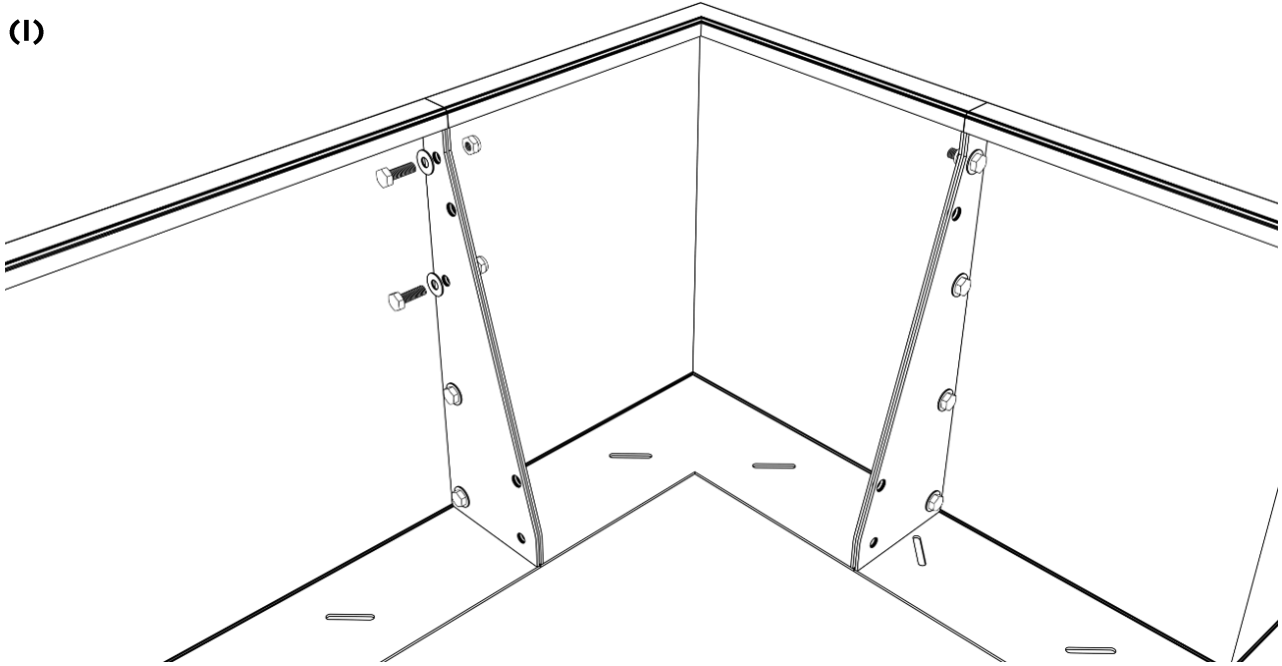
**Refer to the planter layout drawings and the numbers cut into the base of each planter panel.*

***If the planter finish is Corten, Blackened Steel or Marbled Steel, we recommend installing the EPDM Strip as a separation layer between the planter base and BaseBoard to guard against galvanic corrosion.*



- 2) Loosely bolt all panels together and ensure the assembly fits correctly, before fully tightening any fixings. Fig I.

(I)



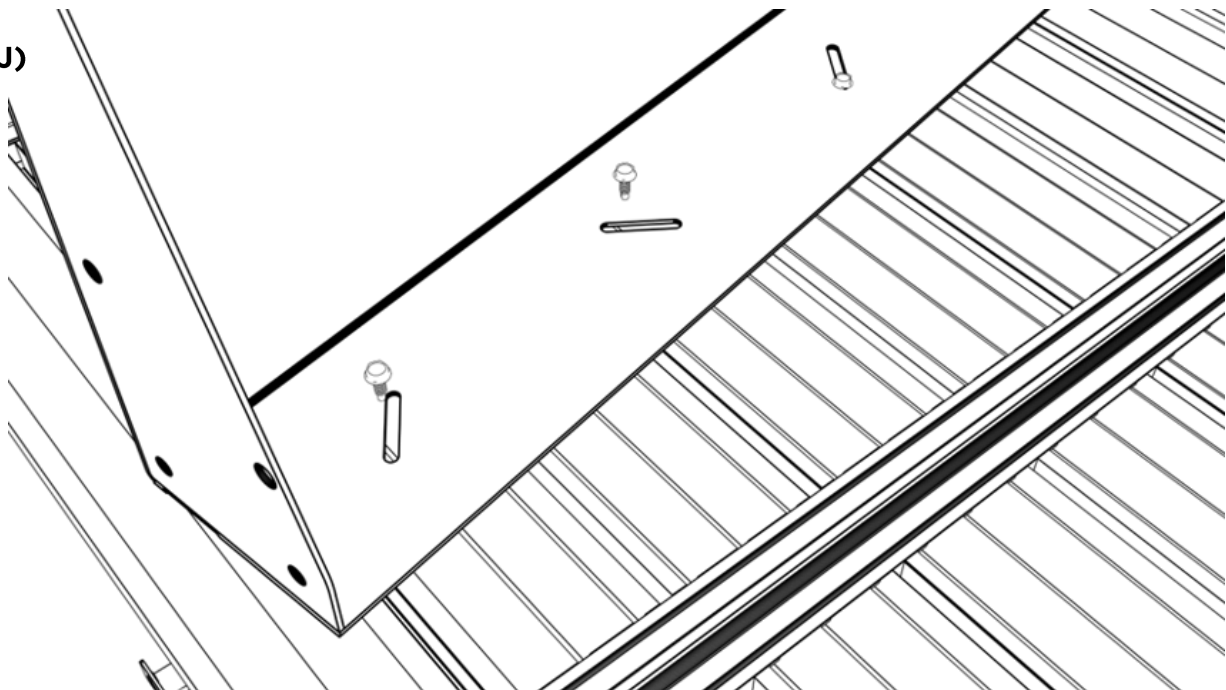
- 3) Tighten the bottom panel connection bolts around the full perimeter.
4) Check that the tops of the panels are correctly aligned, then tighten the top connection bolts around the perimeter.
5) Inspect for any gaps between the planter edging and the BaseBoard. Install suitable non-compressible packers where required to ensure the edging is fully supported and will not distort when fixed down.
6) Secure the planter edging to the BaseBoard, checking that it remains square, level and plumb throughout the fixing process, through the fixing channels shown, using the BBF BaseBoard Fixing provided.** Fig J.

If fixing into a concrete footing, see below****

*** Depending on the size and complexity of the planter layout, you may choose to connect the whole planter together before fixing to the BaseBoard / concrete footing.

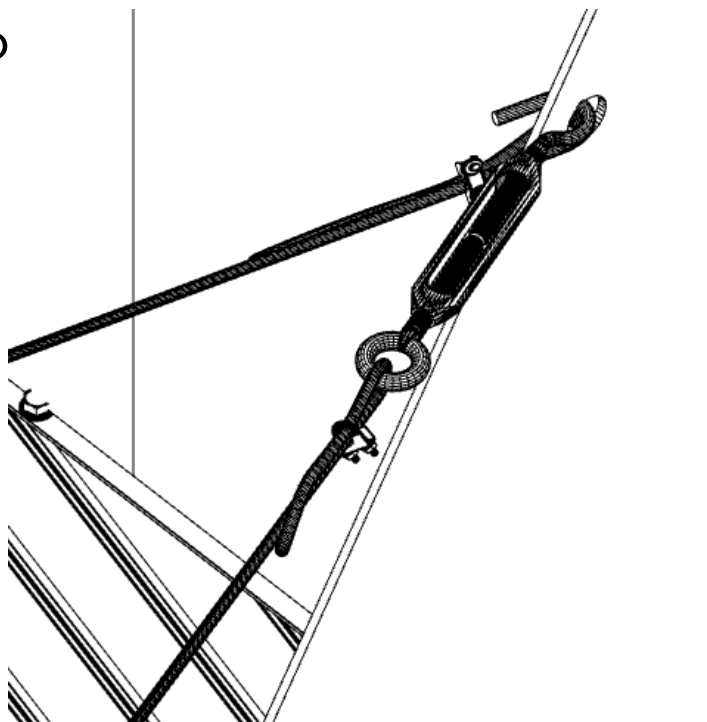
**** An M10 Anchor Bolt with a minimum embedment depth of 90mm into the concrete is recommended. The footing itself should be a minimum of 120mm deep. For higher planter faces, a concrete fixing specialist should be consulted.

(J)



- 7) Install the tensioning wires in accordance with the project drawings, taking care not to overtighten, as this may pull the planter out of shape. **Fig K (a typical example).**

(K)



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