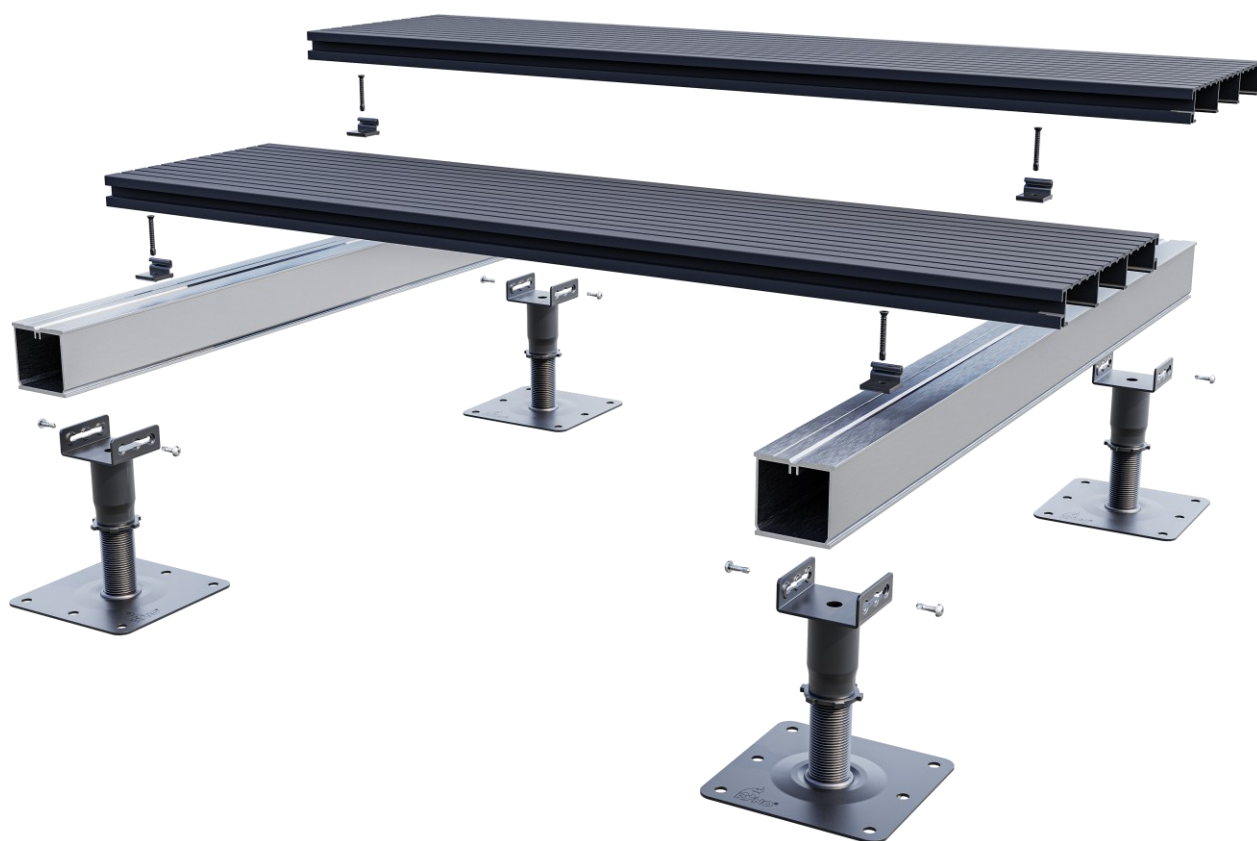


TERRASMART ALUMINIUM DECKING SYSTEM

INSTALL GUIDE

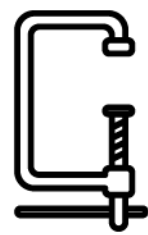


EQUIPMENT

Mitre Saw



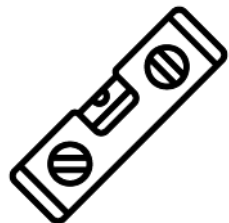
G-Clamp



Angle Grinder



Spirit Level



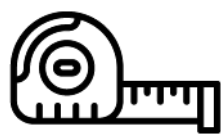
Rubber Mallet



Cordless Drill



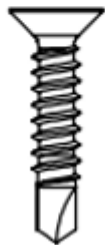
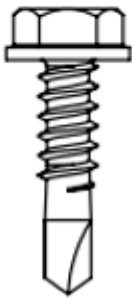
Tape Measure



Site PPE



FASTENER GUIDE



Self-Drill
4.2x13mm

Self-Drill
4.8x19mm

Self-Drill
3.9x30mm

Self-Drill
3.9x19mm



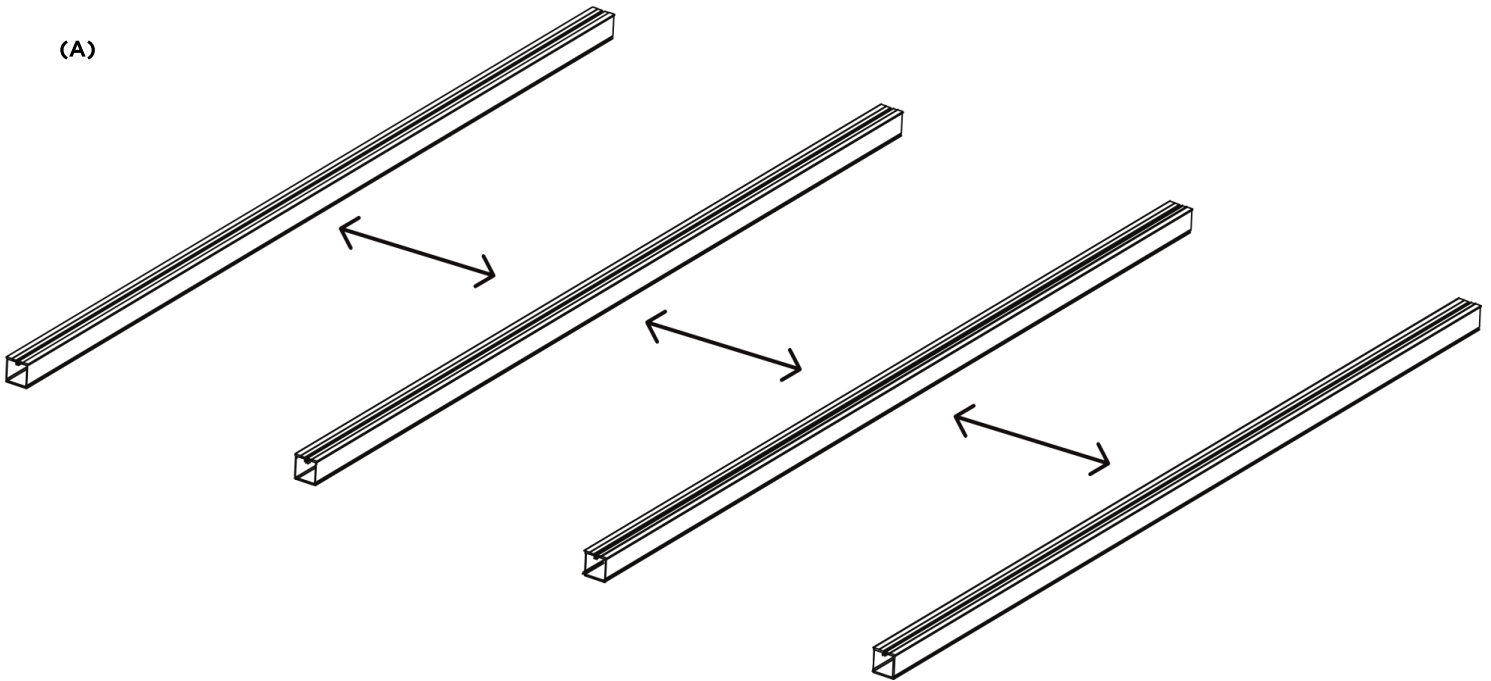
IMPORTANT NOTES

- Leave a 3mm gap between board ends when butted end-on-end.
- Some schemes require a 10mm gap around perimeter edge of area.
- Use offcuts of material wherever possible to minimise waste.
- Where joists are to be butted end-on-end, ensure there is a support under the join connecting the two joists.
- Always use appropriate torque setting on cordless screwdriver for screws.
- Always use correct PPE throughout installation.

INSTALLATION GUIDANCE

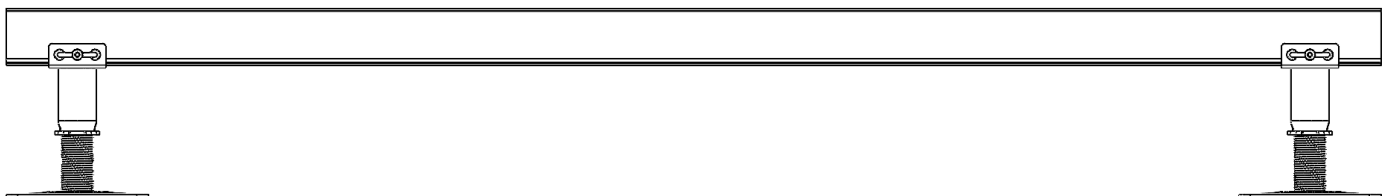
- 1) Determine decking direction.
- 2) Lay the joists out on the substrate perpendicular to the decking direction, at the required centres (as per board span, see datasheet). **Fig A.**

(A)



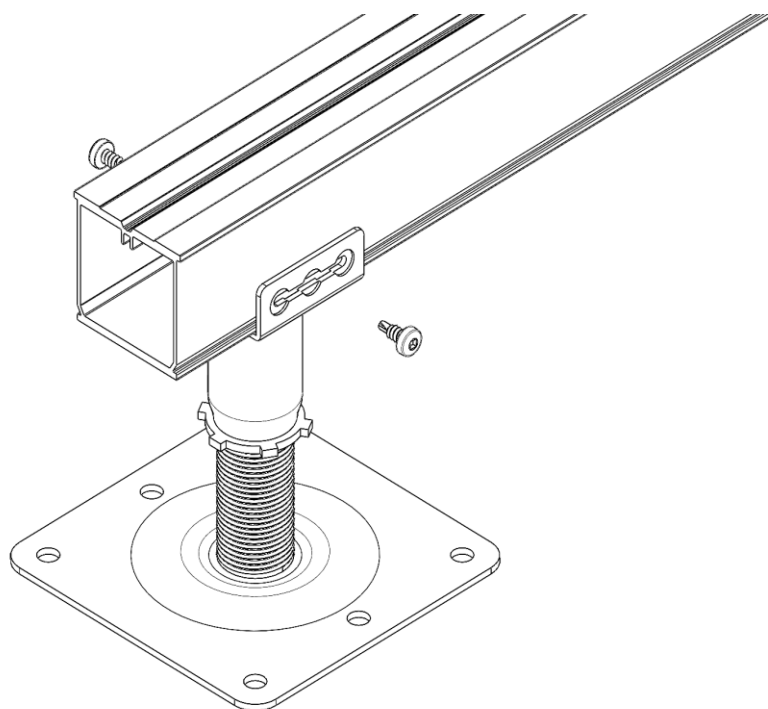
- 3) Lift the joists onto the pedestal supports, which should be placed at each end of the joist, and level up to the required height (FFL minus board depth). **Fig B.**

(B)



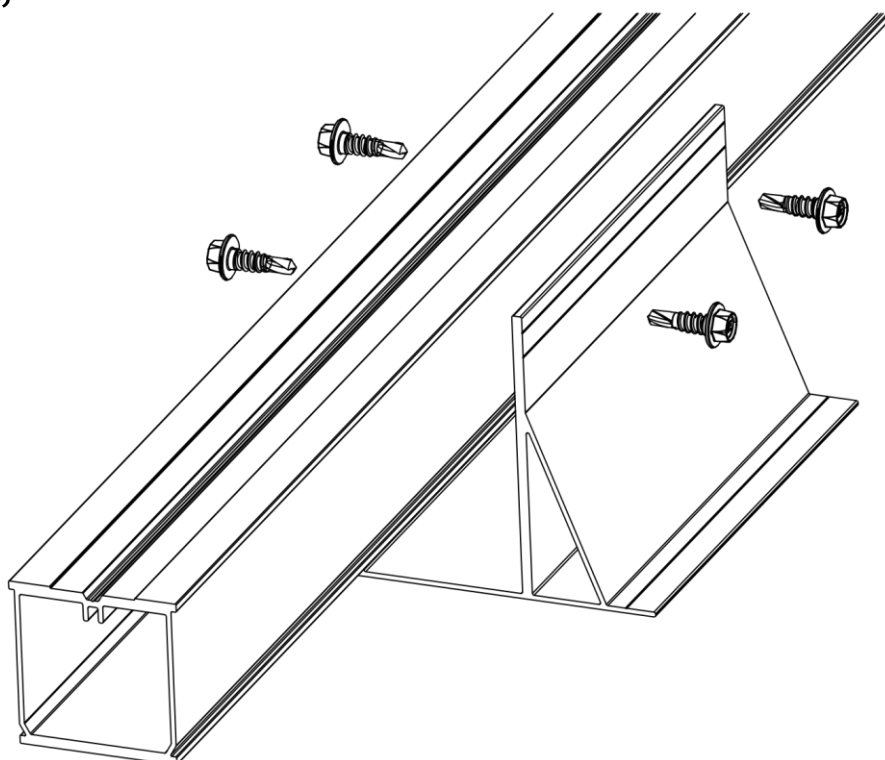
- a) If using adjustable pedestal supports, fasten the joist to the pedestal head using 13mm self-drill screws and tighten the locking nut on the pedestal to secure it at the required height. **Fig C.**

(C)



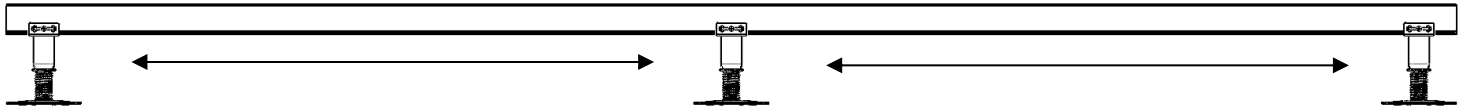
- b) OR; if using cleat supports, use the 4.8x19mm hex head self-drill screws to secure the joist at the required height. **Note:** In some scenarios, using packers to build up to the required height can be helpful. If the packers are combustible, remove them after the screws have been installed. **Fig D.**

(D)



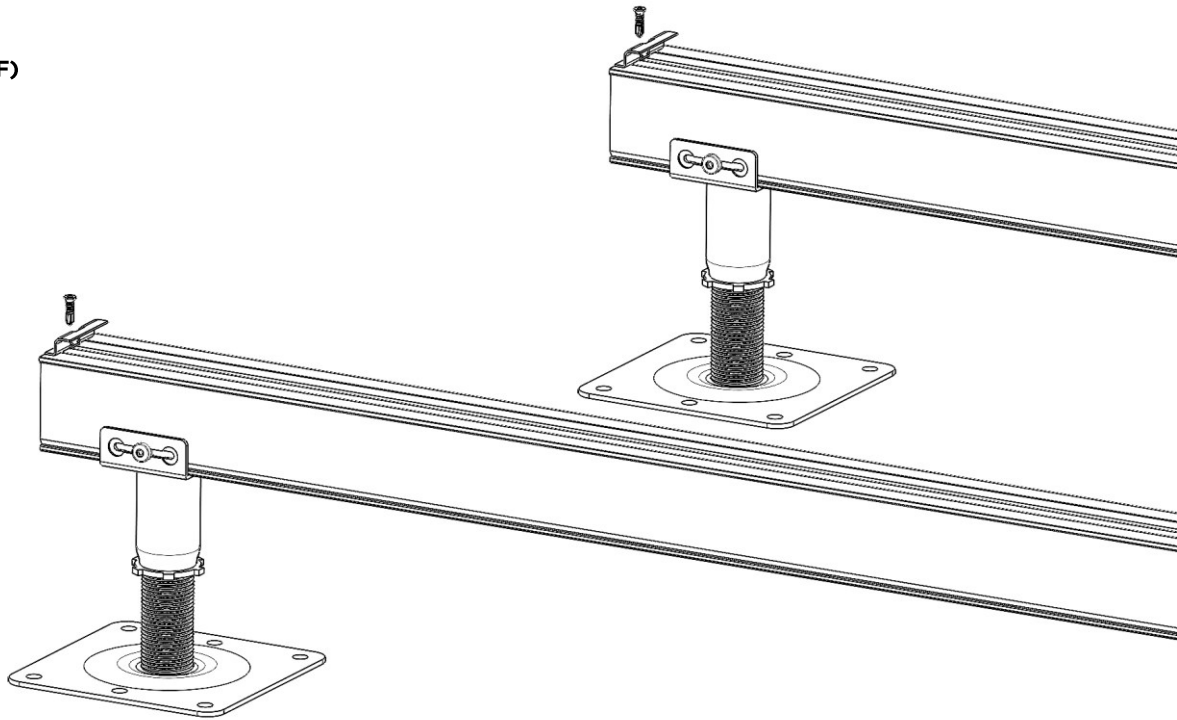
- 4) Add the intermediate pedestal supports at the required centres along the joist (as per the joist span, see datasheet). **Fig E.**

(E)



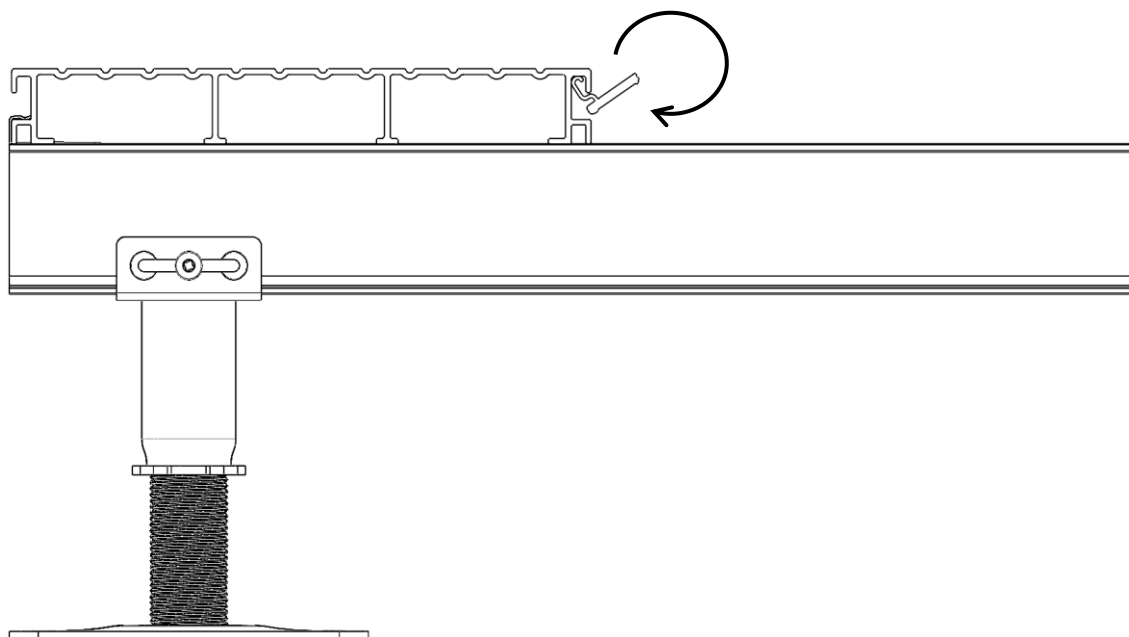
- 5) Once all joists are level and supported, establish where the first board will be laid.
6) Install the Starter/End Clip along the ends of the joist ready for the first row of boards, using the 3.9x19mm countersunk screws. **Fig F.**

(F)



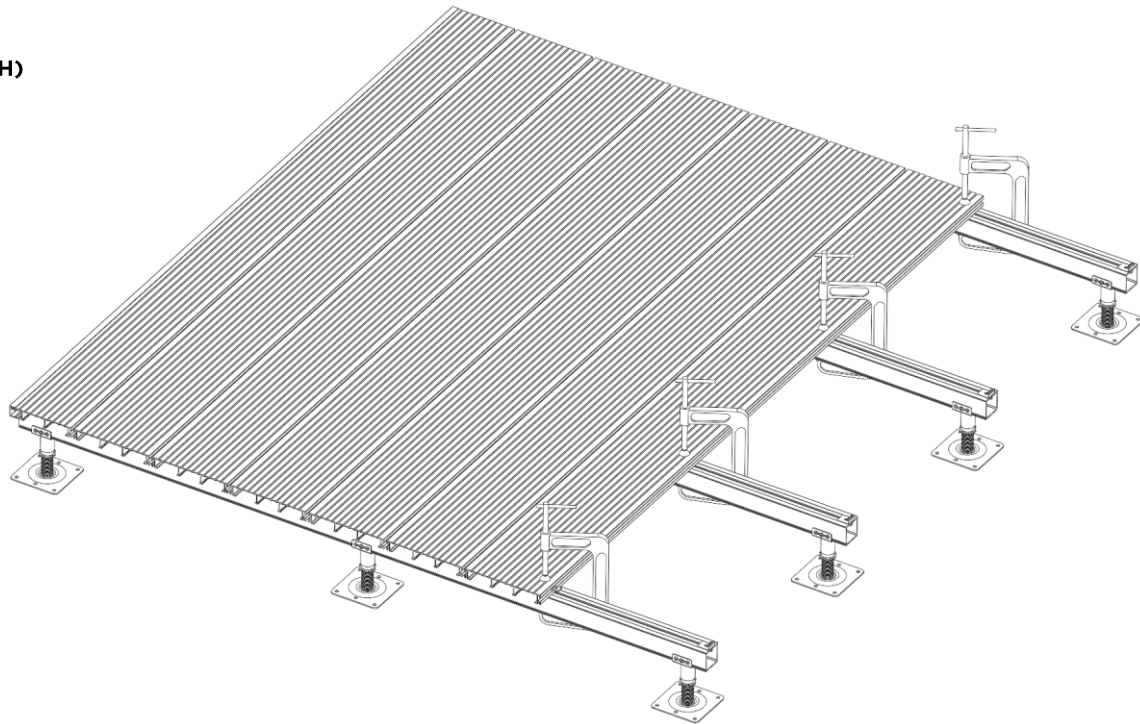
- 7) Push the first row of decking boards into the Starter/End Clips. Ensure there is a 10-12mm gap around the perimeter to allow for drainage (BS 8579:2020).
8) Apply the AluClips along inside edge of the first row of decking, above each joist. This creates a 6-8mm gap between boards on the pedestrian surface (BS 8579:2020). **Fig G.**

(G)



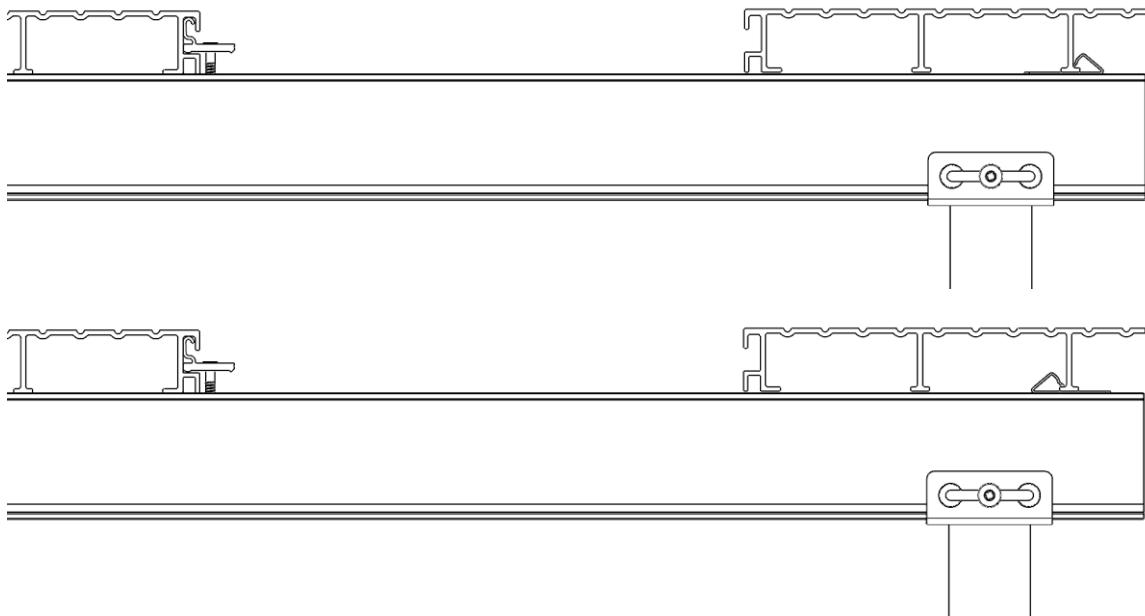
- 9) Slide the second row of decking boards into place.
- 10) Repeat 5 rows of decking without fastening.
- 11) Optionally, you can use G-Clamps to lock the last row of deck boards tightly against previous rows, ensuring all gaps are consistent. **Fig H.**

(H)



- 12) Fasten down the deck boards with black 30mm self-drill screws, through the AluClip, taking care not to scratch the top edges of the boards with the drill bit.
- 13) Repeat steps 10-12) until the third last board.
1. OR; If the last board needs to be cut down to length and an E termination is not being used;
 - i) Cut the board down to required width
 - ii) Identify where last leg of the board will be
 - iii) Modify the Starter/End Clips as shown. **Fig I.**

(I)



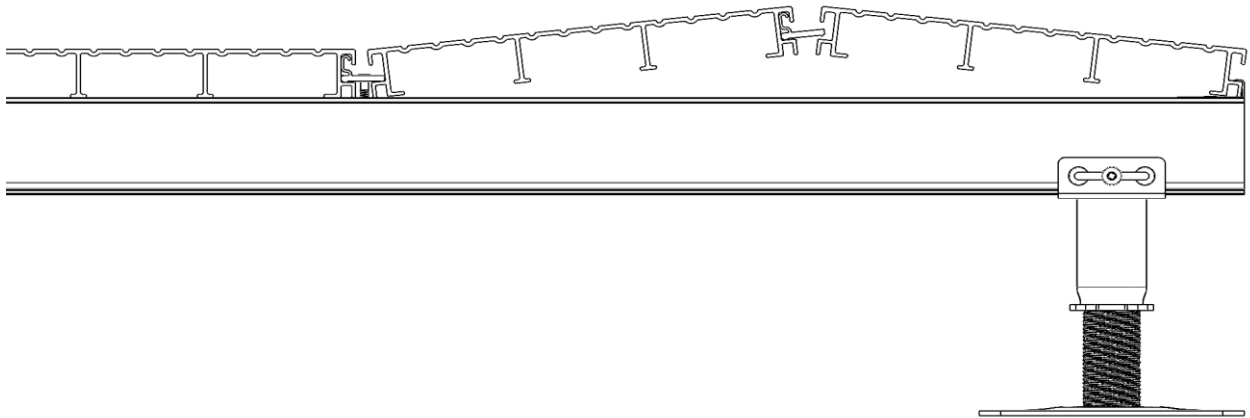
- iv) Place cut boards
- v) Apply AluClips to inside edge of the cut board
- vi) Pivot the last boards into place
- vii) Fasten boards



14) To install last boards;

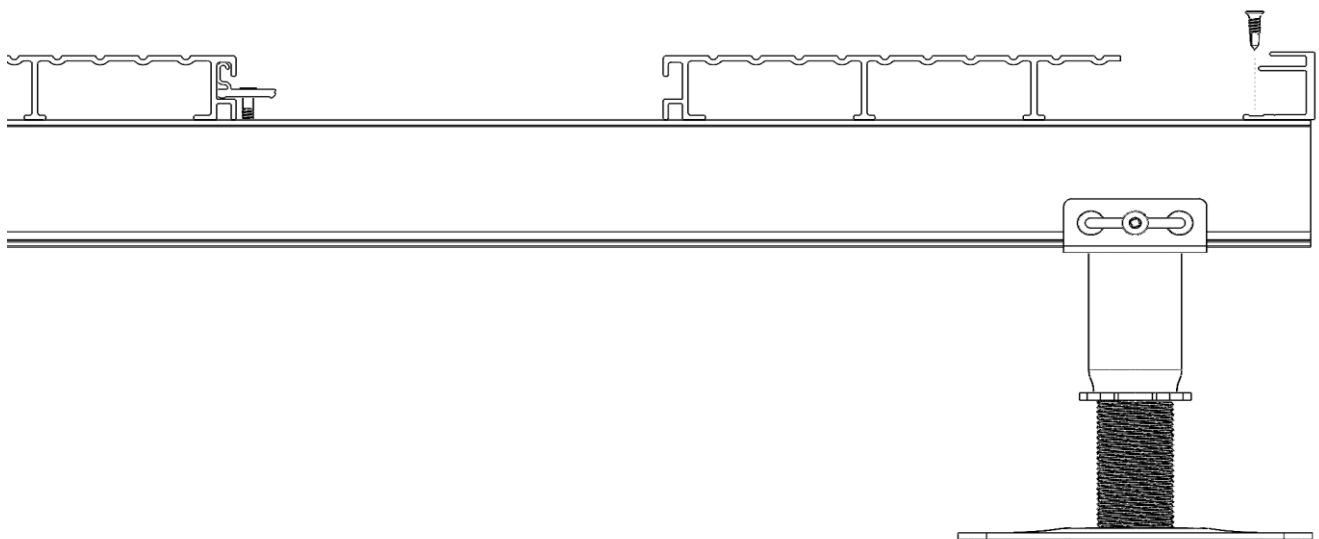
- a) If the last board happens to fit perfectly and does not require cutting down its length;
 - i) Leave out the last two rows of decking and install Starter/End Clips at joist ends.
 - ii) Place second last row of decking
 - iii) Apply AluClips into the second last board
 - iv) Push last row of decking into Starter/End Clips
 - v) Pivot both boards together. **Fig J.**

(J)



- vi) Fasten the boards as per step 12).
- b) OR; if the last board needs to be cut down to fit and an E-termination profile is to be used;
 - i) Cut down board to required width
 - ii) Identify correct location and fix E-termination profile into place using 13mm self-drill screws. **Fig K.**

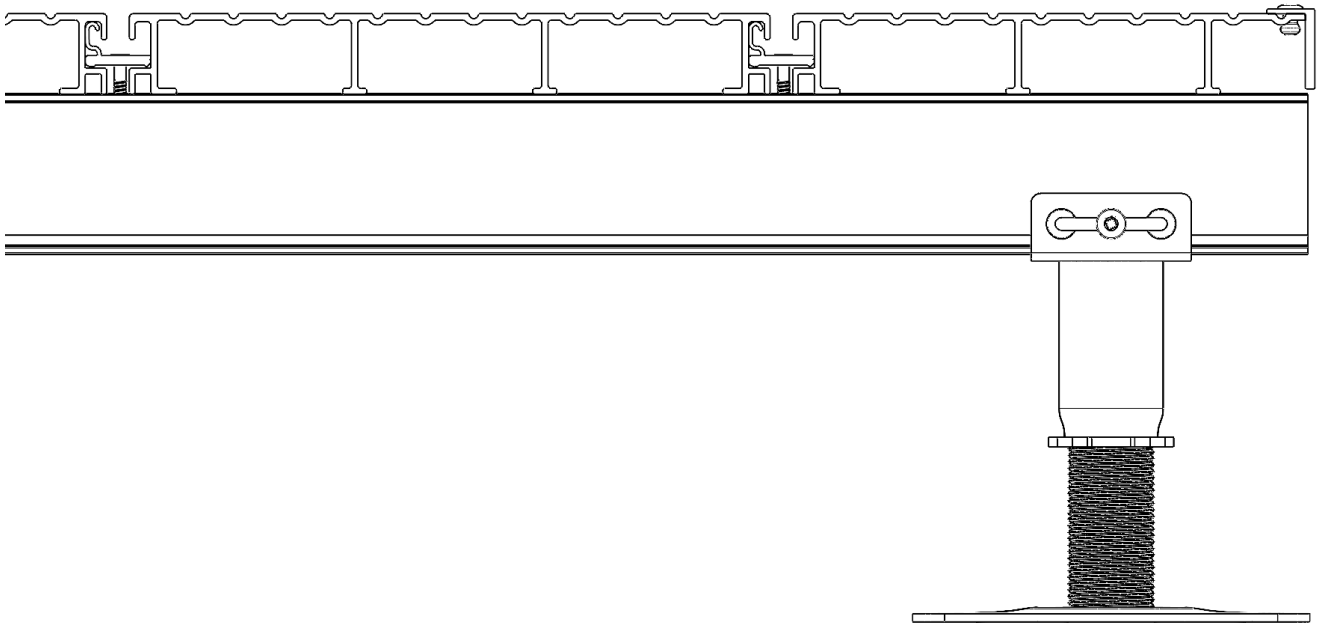
(K)



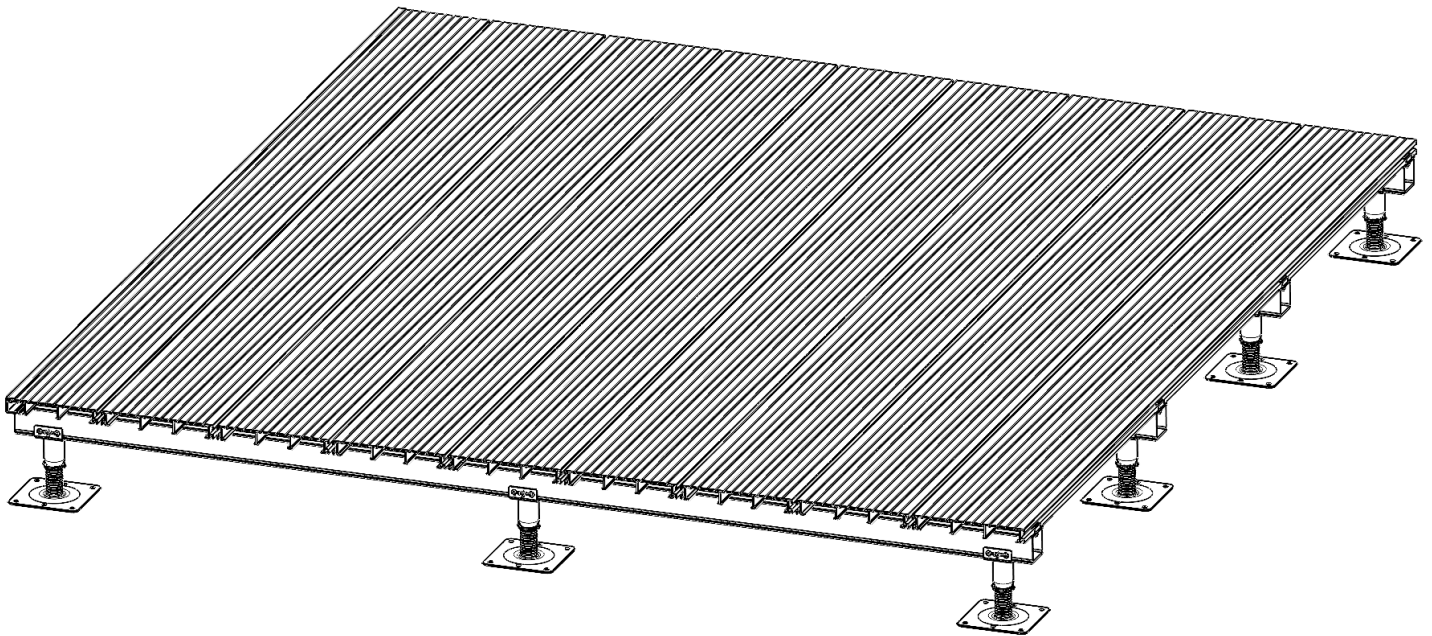
- iii) Slide the cut board into E-termination profile receiving channel
- iv) Apply AluClips to inside edge of the cut board
- v) Pivot the 2nd and 3rd last boards into place
- vi) Fasten the boards

- c) If the last board needs to be cut down to fit and a L-termination profile is to be used;
 - i) Cut down board to required width
 - ii) Identify correct location and insert L-termination profile from above, with longer face to cover cut board ends and 15mm-wide face on top.
 - iii) Use PPC pop rivets to face-fix through the 15mm L profile face into the surface of the deck board. One rivet per board is sufficient. **Fig L.**

(L)



15) Your TerraSmart Aluminium Decking System is complete.



LET'S TALK

sales@rynosystems.com
+44 203 967 3500
rynosystems.com

HEAD OFFICE

2 Sutton Lane
London
EC1M 5PU

STUDIO

CastlePoint
Castle Way, Ellon
AB41 9RG

