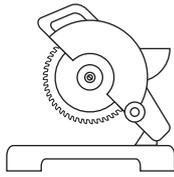


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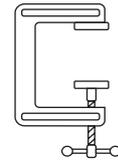
## Mitre saw

Equipped with a suitable blade for cutting aluminium



## G-Clamp

Once you have used A through F clamps



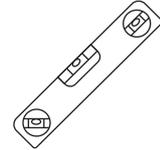
## Angle Grinder

Best for accurate cuts - circular saw will work



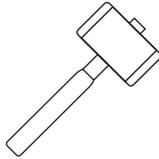
## Level

Rotating laser level plus a standard level are recommended



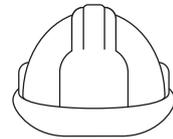
## Rubber Mallet

However a standard hammer is fine



## Site PPE

Adhere to all relevant site regulations



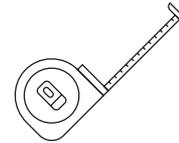
## Cordless Drill

With appropriate attachments and bits



## Tape Measure

Measure twice, cut once and repeat



### Fastener Guide



Self Drill  
4.2x13mm

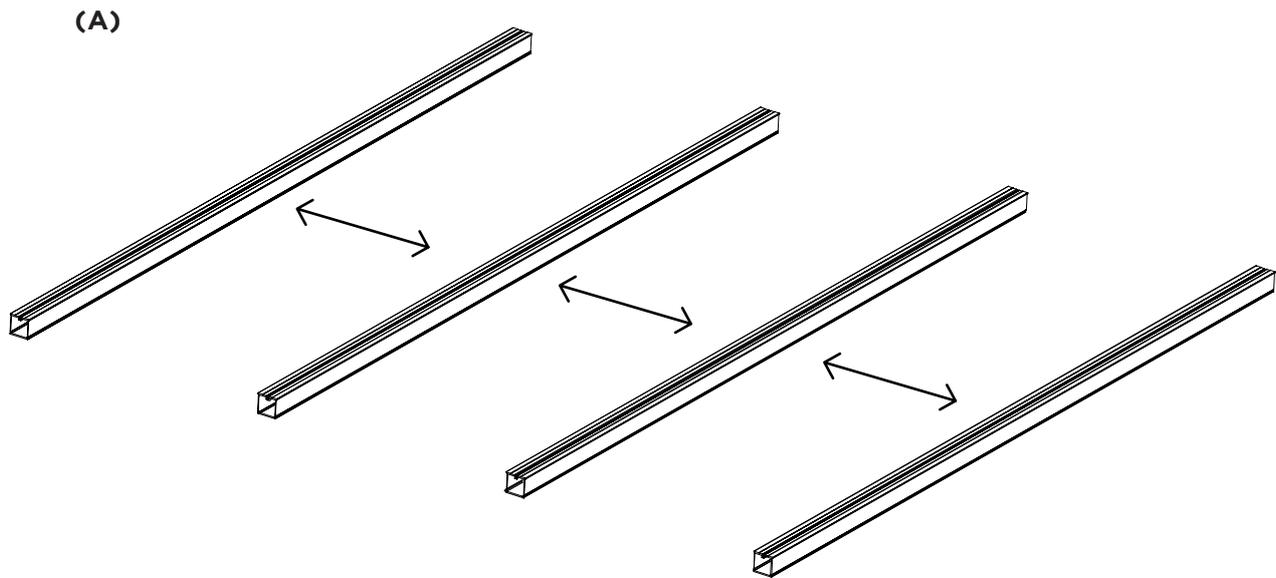
Self Drill  
4.8x19mm

Self Drill  
3.9x30mm

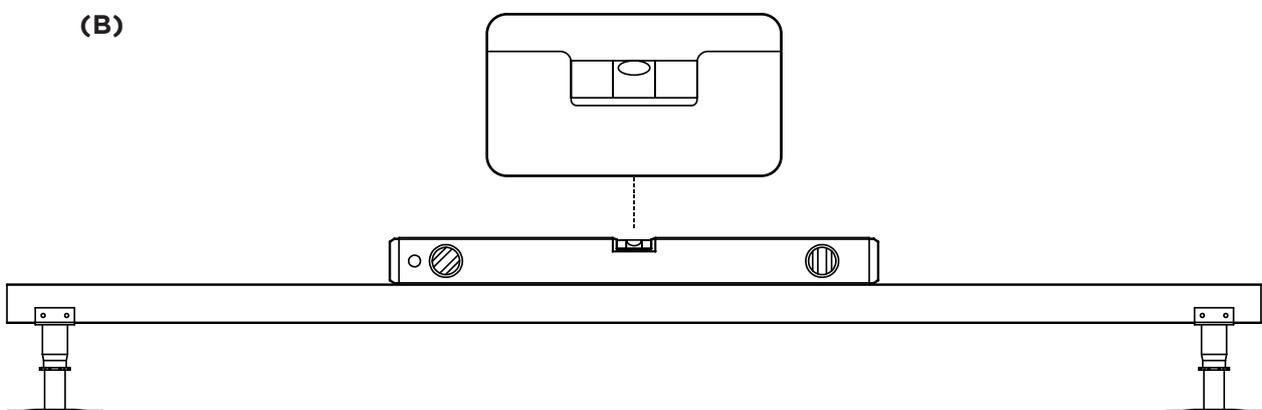
Self Drill  
3.9x19mm

- 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

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.**

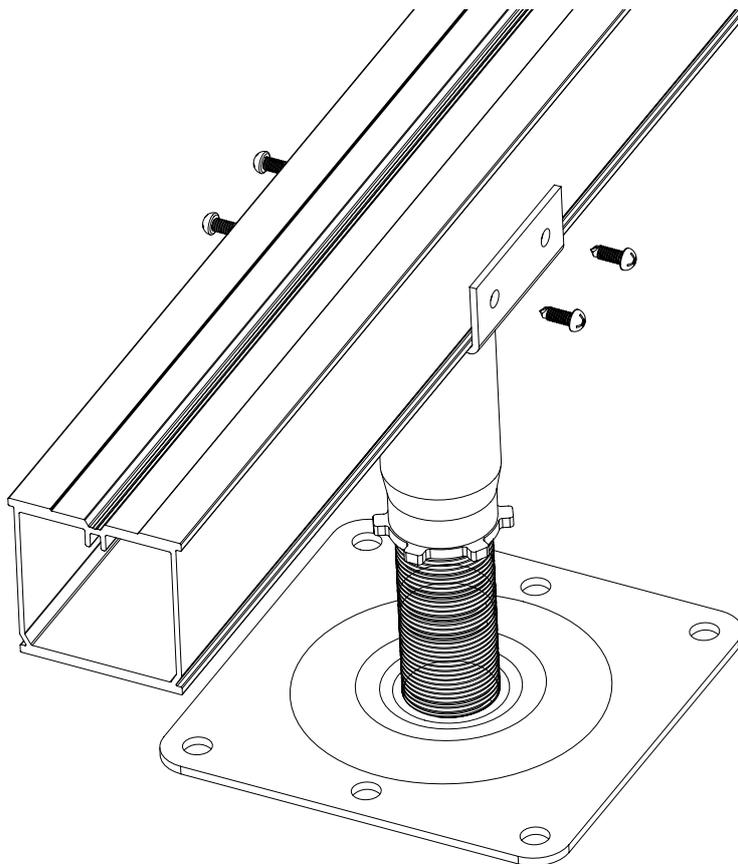


3. Lift the joists onto the supports, which should be placed at each end of the joist, and level up to the required height (FFL minus board depth). **Fig B.**



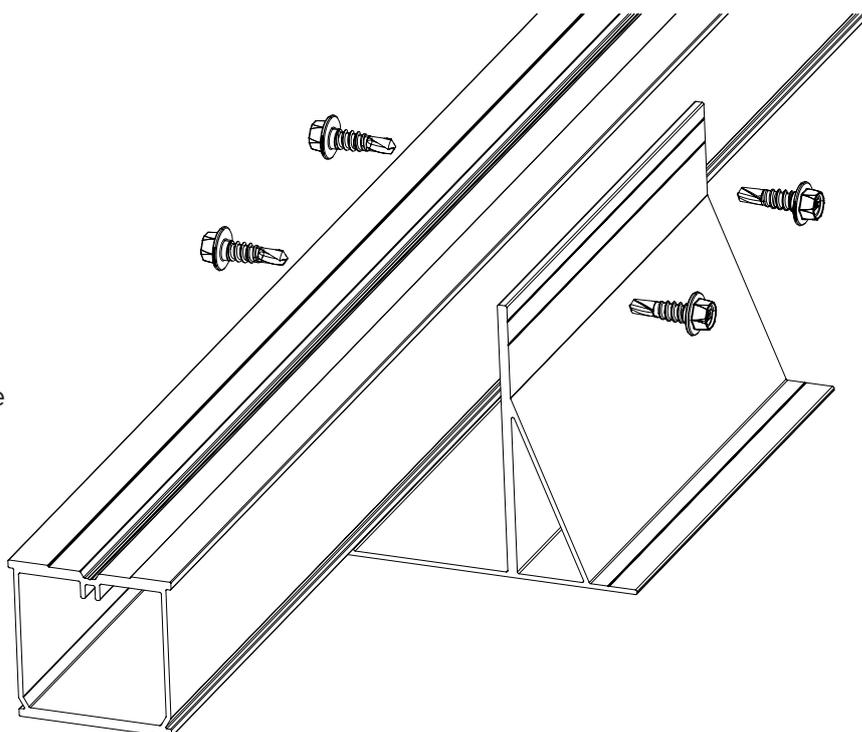
**(C)**

**3a.** 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.**



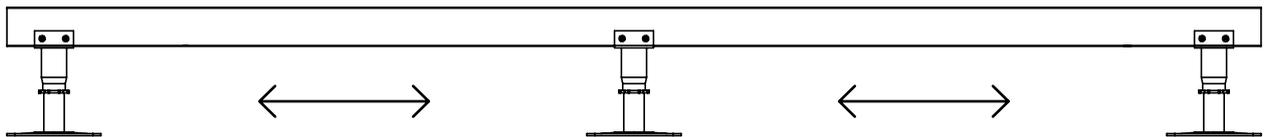
**(D)**

**3b.** 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 not non-combustible, remove them after the screws have been installed. **Fig D.**



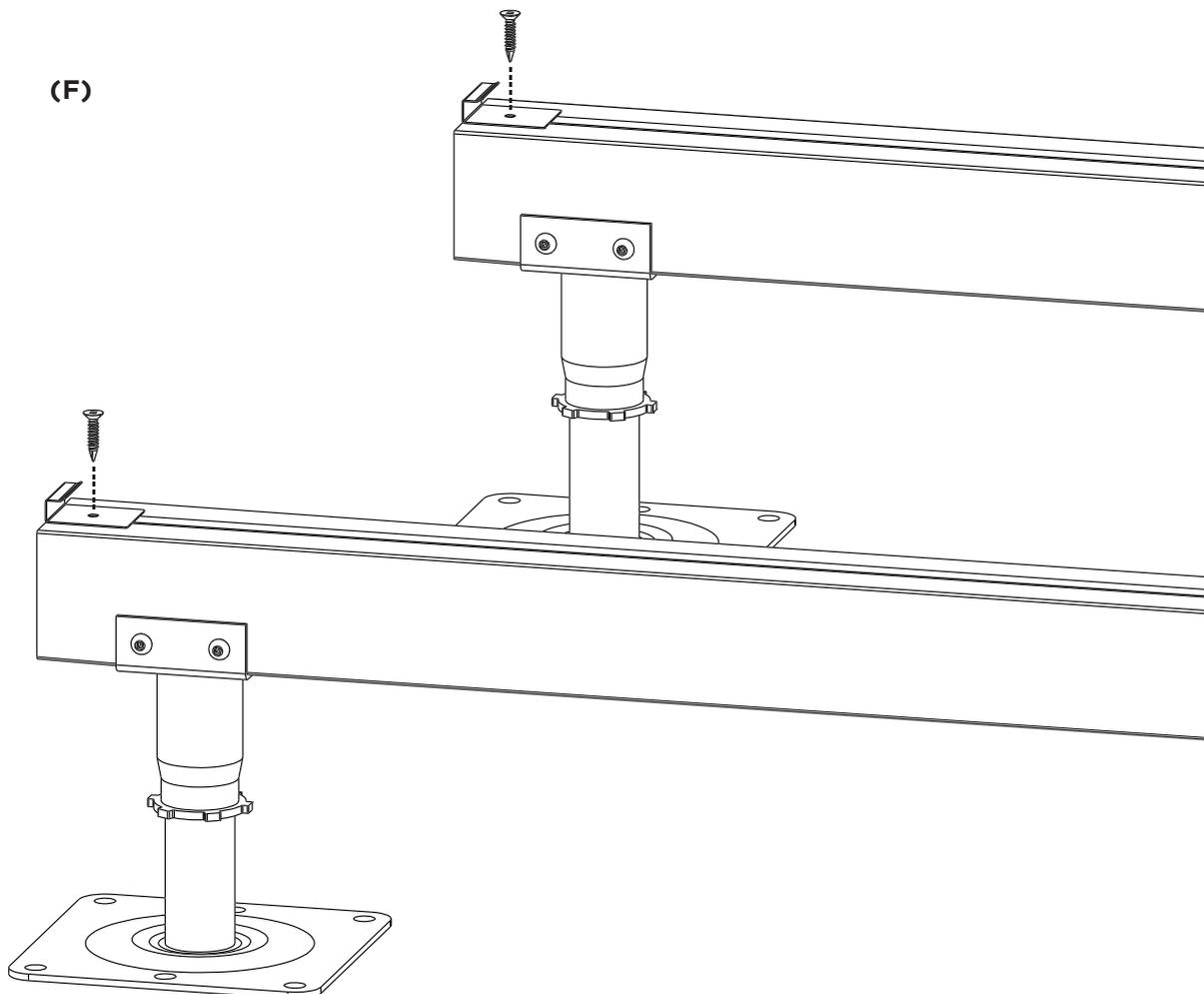
4. Add the intermediate supports at the required centres along the joist (as per the joist span, see datasheet. **Fig E.**
5. Once all joists are level and fully supported, establish where the first board will be laid.

**(E)**



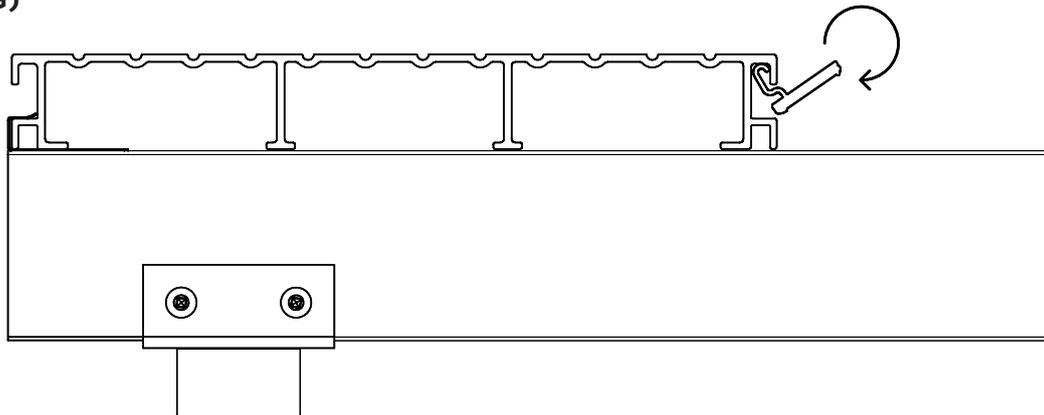
6. Install the starter/end clip along the ends of the joist ready for the first row of boards. Using the 3.9 x 19mm countersunk screws **Fig F.**
7. Push the first row of decking boards into the starter/end clips. Ensure a 10-12mm gap around the perimeter to allow for drainage (BS 8579: 2020)

**(F)**



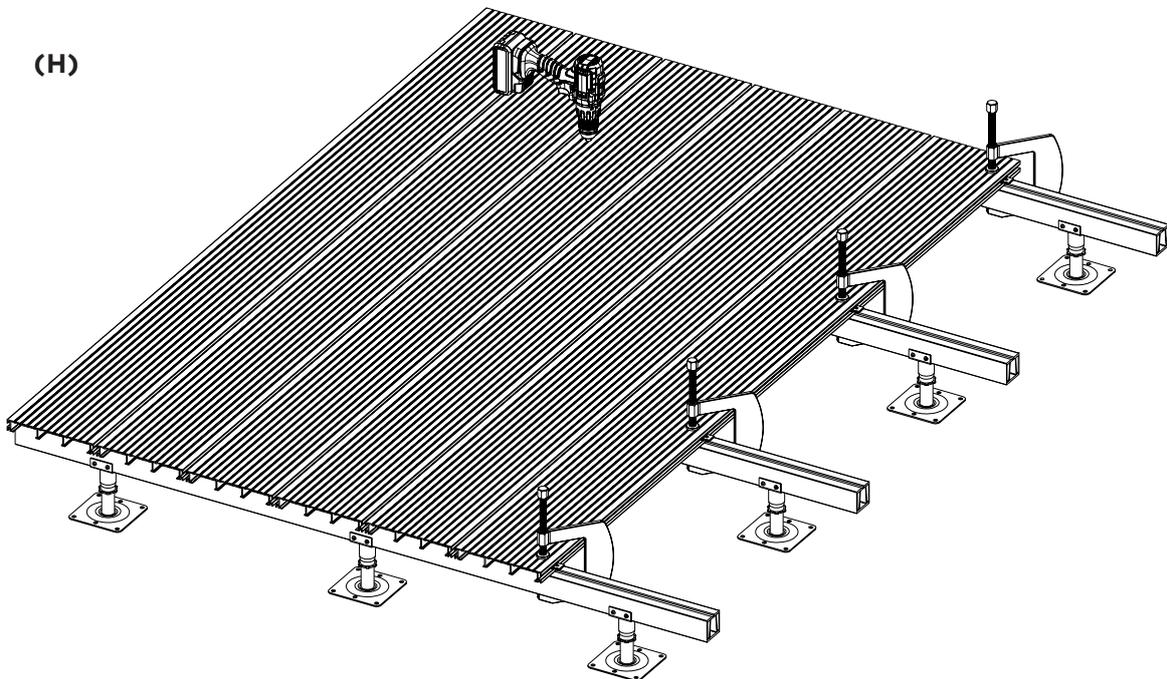
8. Apply the AluClips along inside edge of the first row of decking, above each joist. This creates a 6-8mm gap between boards on the pedestrian surface (BS 8579:2020) **Fig G.**
9. Slide the second row of decking boards into place.
10. Repeat 5 rows of decking without fastening. This is to ensure decking is

(G)



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)



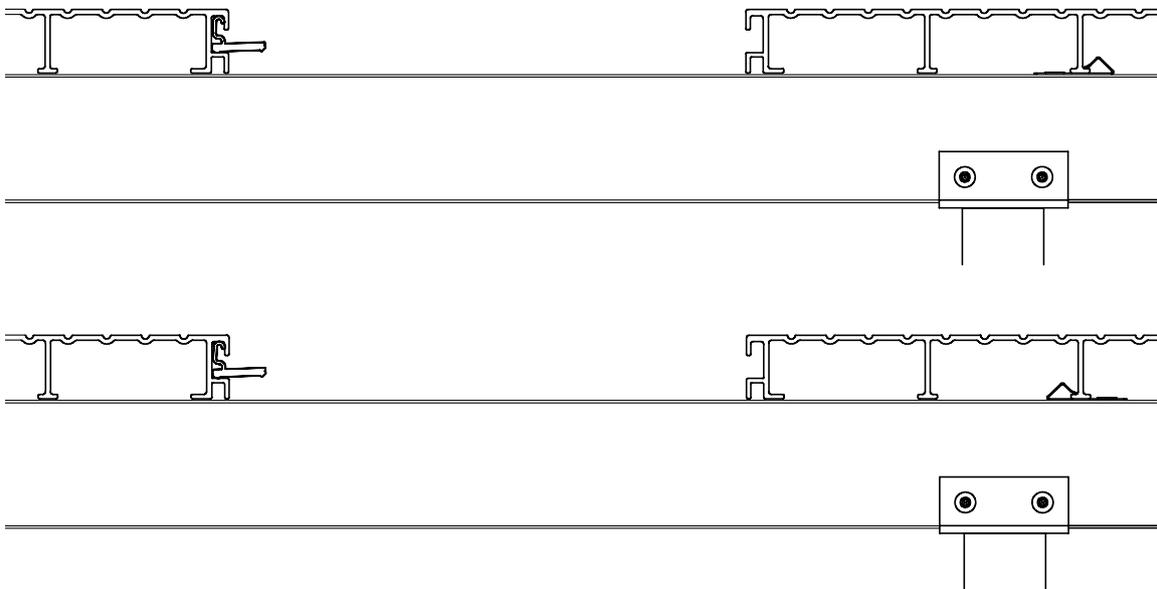
12. Fasten down the deck boards with black 30mm self-drill screws, through the AluClip, taking care not to scratch the top edges of the boards with the drill bit.

**13.** Repeat steps 10-13 until the third last board.

**c.** OR; If the last board needs to be cut down to length and an E termination is not being used;

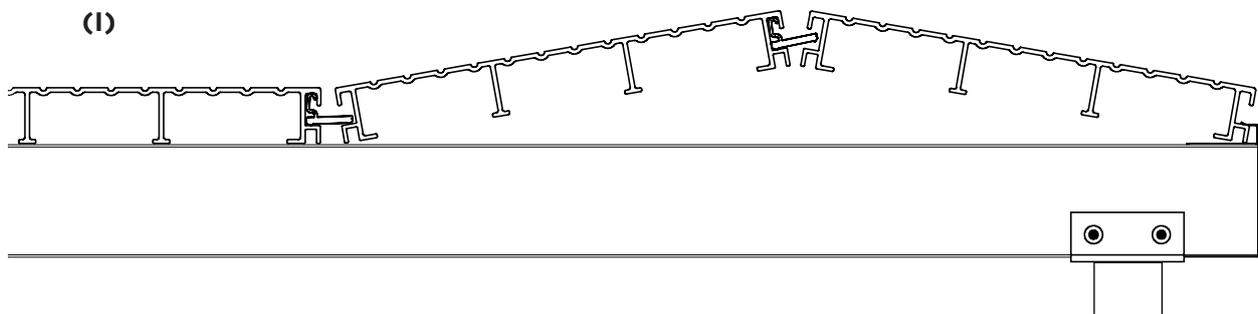
- i.** Cut the board down to required width
- ii.** Identify where last leg of the board will be
- iii.** Modify the starter/end clips as shown and fasten in location of last leg of board using one of the methods shown. **Fig K.**
- iv.** Place cut boards
- v.** Apply AluClips to inside edge of the cut board
- vi.** Pivot the last boards into place
- vii.** Fasten boards

**(K)**



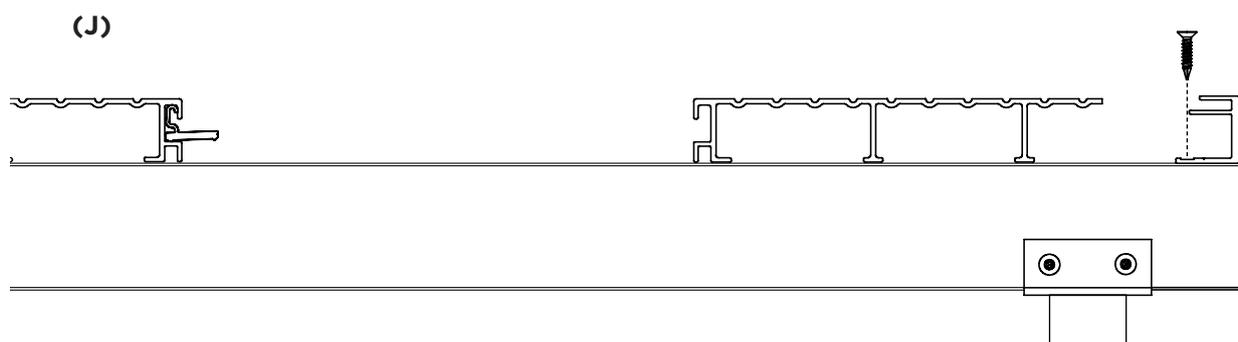
**14.** To install last boards;

- 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 clip 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 I.**
  - vi.** Fasten the boards as per point 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 the board down to required width
- ii.** Identify correct location and fix E-termination profile into place using 13mm self-drill screws. **Fig J.**
- 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



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