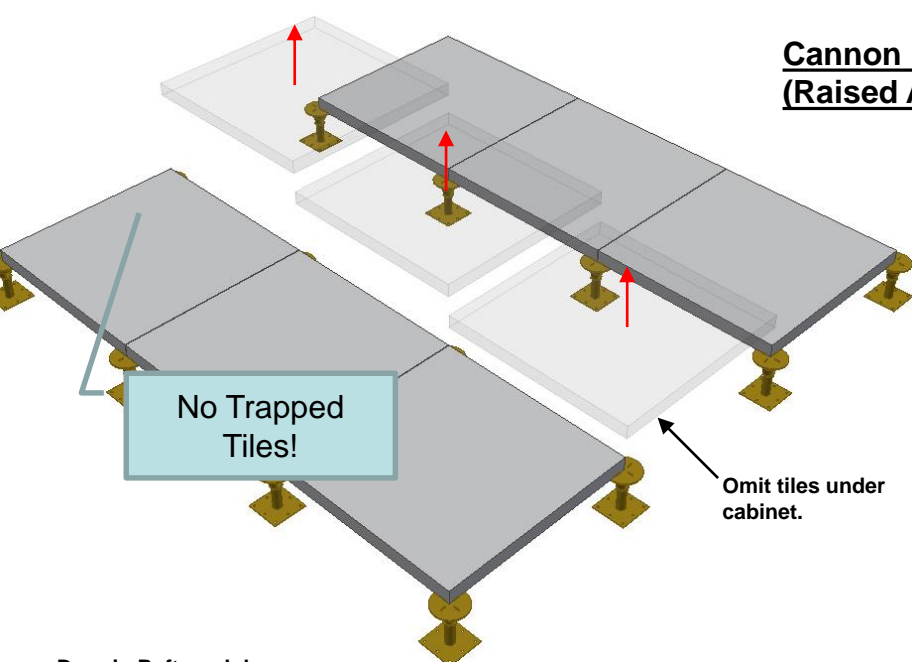


## **Cannon RAfT SYSTEM** **(Raised Access Floor technology)**

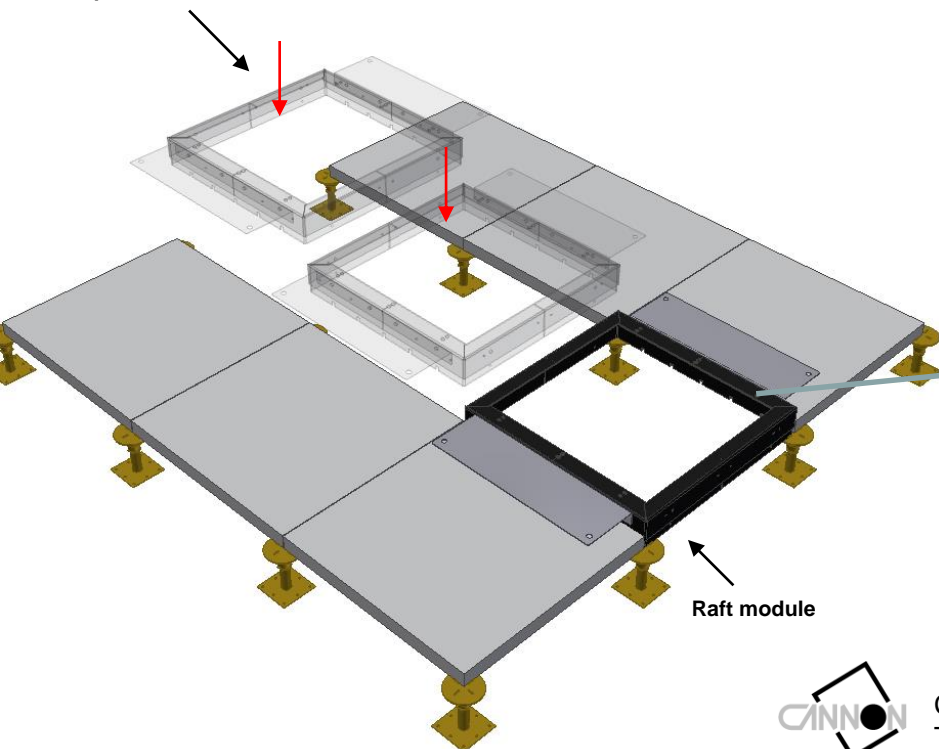


The Cannon RAfT System is compatible with the majority of Raised Access Floors with a modular tile size of 600mm x 600mm in current use worldwide. (24" versions are also available). Installation of the Cannon RAfT System is very simple as the system is designed to replace complete floor tiles in Raised Access Flooring where Cannon cabinets are to be installed.

### **RAfT Depth**

The RAfT consists of a series of individual 'picture frames' which are bolted together and which normally have the same depth (front-to-back) dimension as a floor tile (600mm). Cabinets with a depth (front-to-back) dimension greater than 600mm, overhang the RAfT equally at front and rear, i.e. a 900mm cabinet would overhang the RAfT by 150mm at the front and rear. However, the RAfT raises the cabinet above the floor sufficiently to allow the overhung tiles to be raised vertically and slid sideways for access to the under floor void.

Drop in Raft modules



### **RAfT Width**

It is preferable that the frame width matches the cabinet width (600, 700 or 800mm).

Ensure oval cabinet mounting holes are on the front and rear top faces – NOT THE SIDES!



## Cannon RAfT SYSTEM (Raised Access Floor technology)

### **No Trapped Tiles!**

#### RAfT SYSTEM CLAMPS ('Space Invaders')

Single front & rear clamps (307C11180500) - for use where stringers are not present. These clamps are slotted for adjustment and clamp against the underside of the pedestal heads. Four clamps per cabinet should be used, one in each corner, however, if the cabinets are securely bayed together it may be considered adequate to use two per cabinet (one front & rear). It is recommended that the end cabinets in a row, each have four clamps fitted, or at least the clamps should be to the 'outside' of these cabinets.

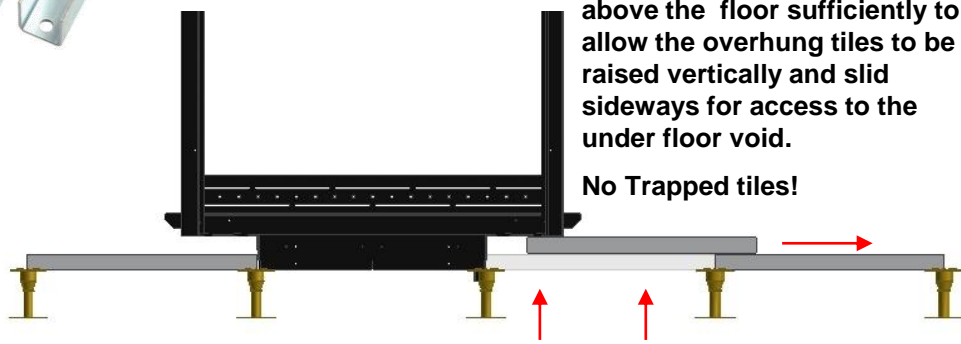
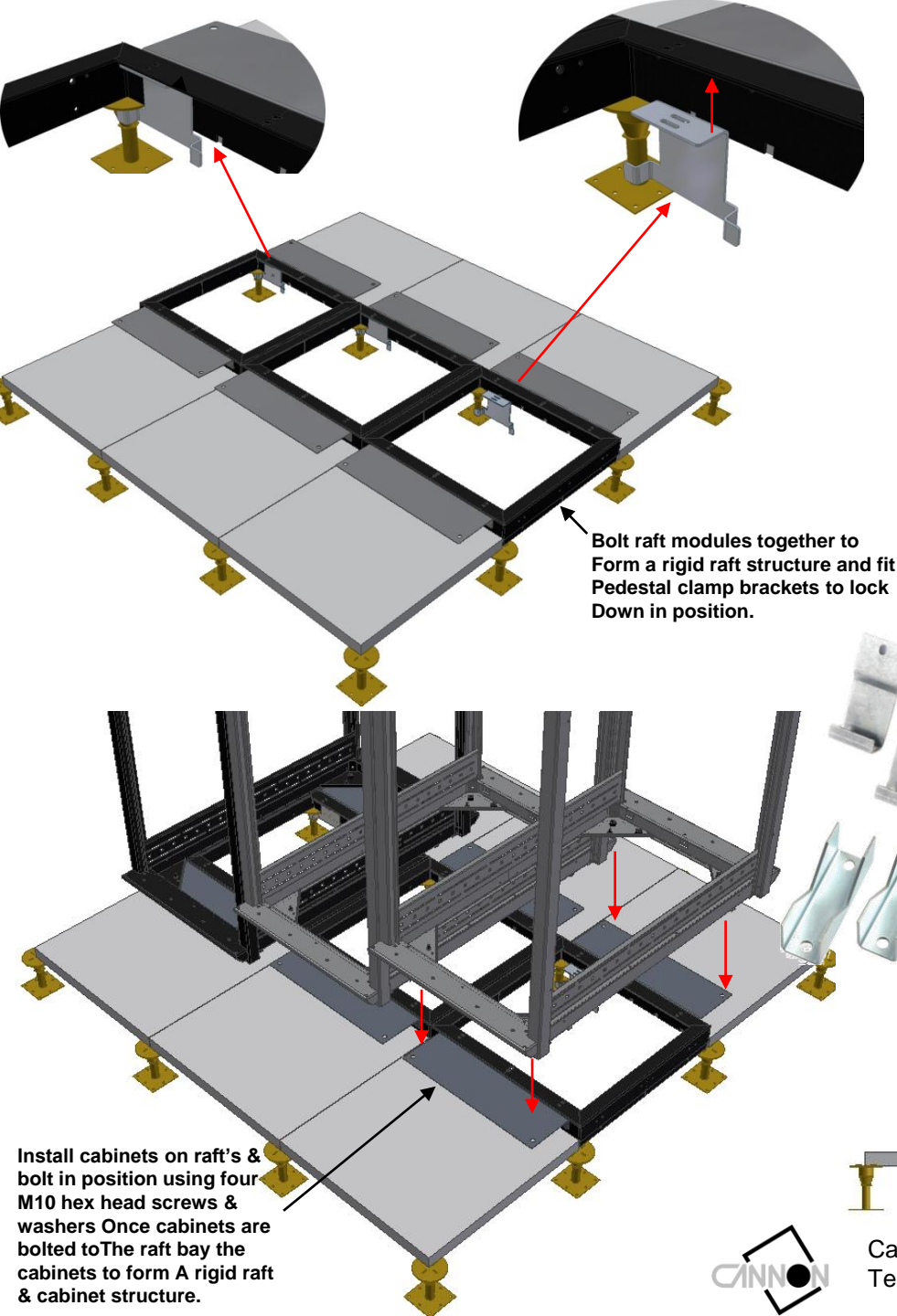
'J' type stringer brackets are also available as well as custom systems to suit any modular floor system – please specify floor type.

Pedestal clamp brackets are also available for deep floors – please enquire.

#### RAfT SYSTEM & Raised Floor side view

The RAfT raises the cabinet above the floor sufficiently to allow the overhung tiles to be raised vertically and slid sideways for access to the under floor void.

**No Trapped tiles!**



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Install cabinets on raft's & bolt in position using four M10 hex head screws & washers Once cabinets are bolted to the raft bay the cabinets to form A rigid raft & cabinet structure.

# RAft SYSTEM

## (Raised Access Floor technology)

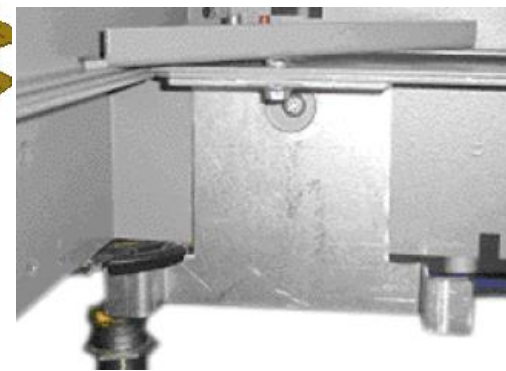
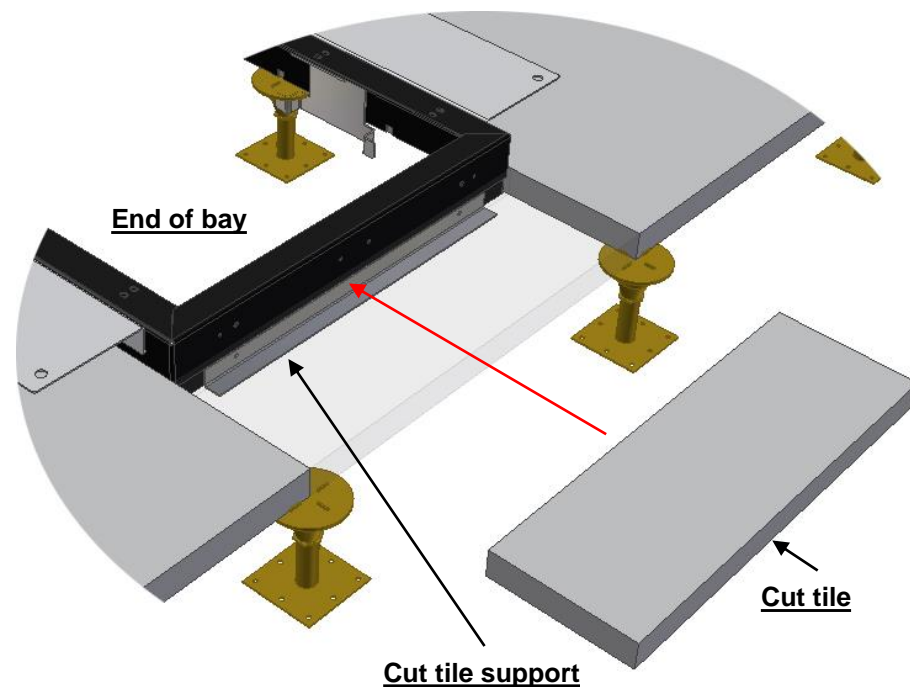
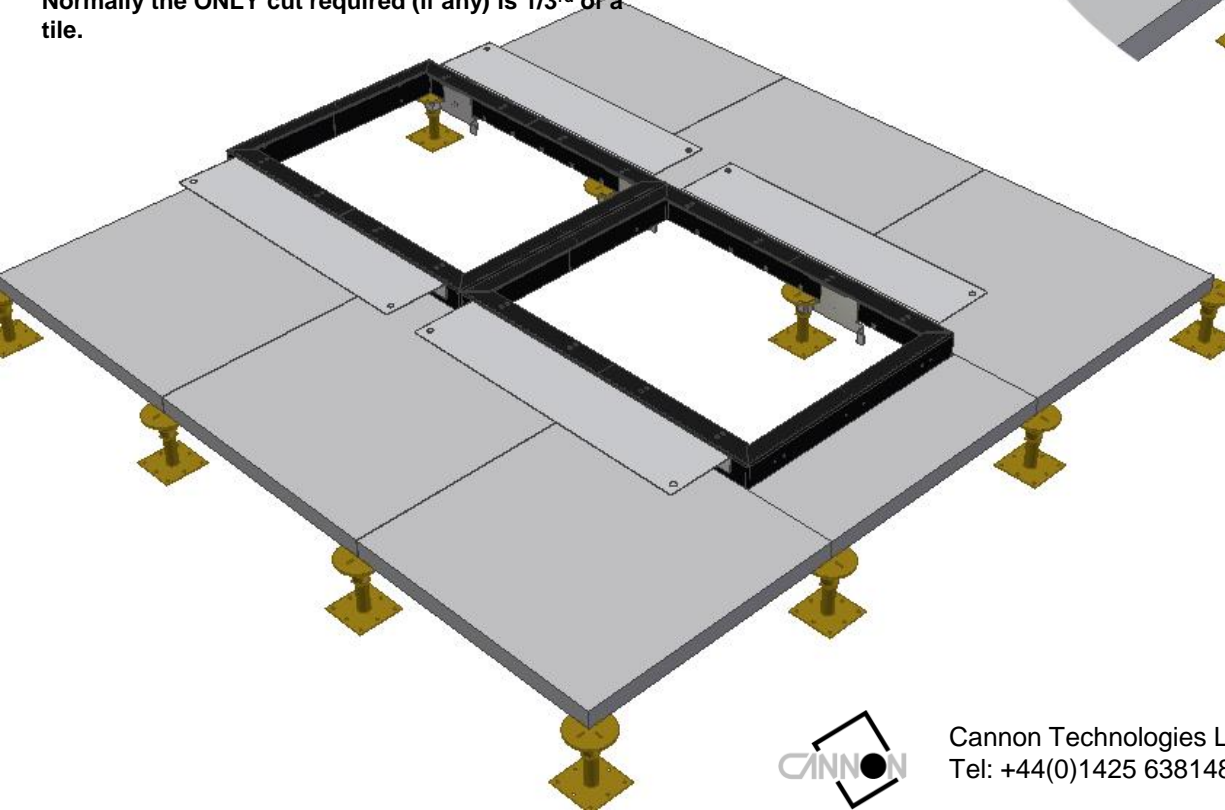
### 700 & 800 wide versions

#### RAft Width

It is preferable that the frame width matches the cabinet width (600, 700 or 800mm).

A 700 wide or 800 wide RAft is laid out in the same manner as the 600 wide RAft except from the position of clamp brackets and the end of raft position. Where a RAft is built up from a multiple of frame widths other than the tile modular width of 600mm, it is likely that a part tile will be needed to act as a 'filler' at the end of the bay. A bracket is available (Pt No 307C00025002 cut tile support) which bolts to the end of the RAft to support this part tile. However, installers should check with the flooring manufacturers as to whether extra pedestals are also required to maintain the integrity/warranty of the floor system.

Normally the ONLY cut required (if any) is 1/3<sup>rd</sup> of a tile.





**RAft SYSTEM****(Raised Access Floor technology)****Custom versions****Stringers and other clamps, Installation.**

Cannon have installed Raft systems to most modular floor systems.

They can be made to suit 'Stringer' based systems, Open non stringer, mixed, Thick and thin tile, tall and very low flooring systems as desired – please ask for technical assistance to suit your flooring.

Cannon can perform a full installation service – including supplying the flooring, all cuts, installing floor grommets and brush strips, gland bases cable and air containment.

Self installers should check with the flooring manufacturers as to whether extra pedestals are also required to maintain the integrity/warranty of the floor system.

Stringer may be U shaped or Box, various depths  
Please State or supply a sample

'J' Type stringer 'hook' brackets may be used to secure to stringer bars, they mount off the 6.5mm holes in the sides of the Rafts

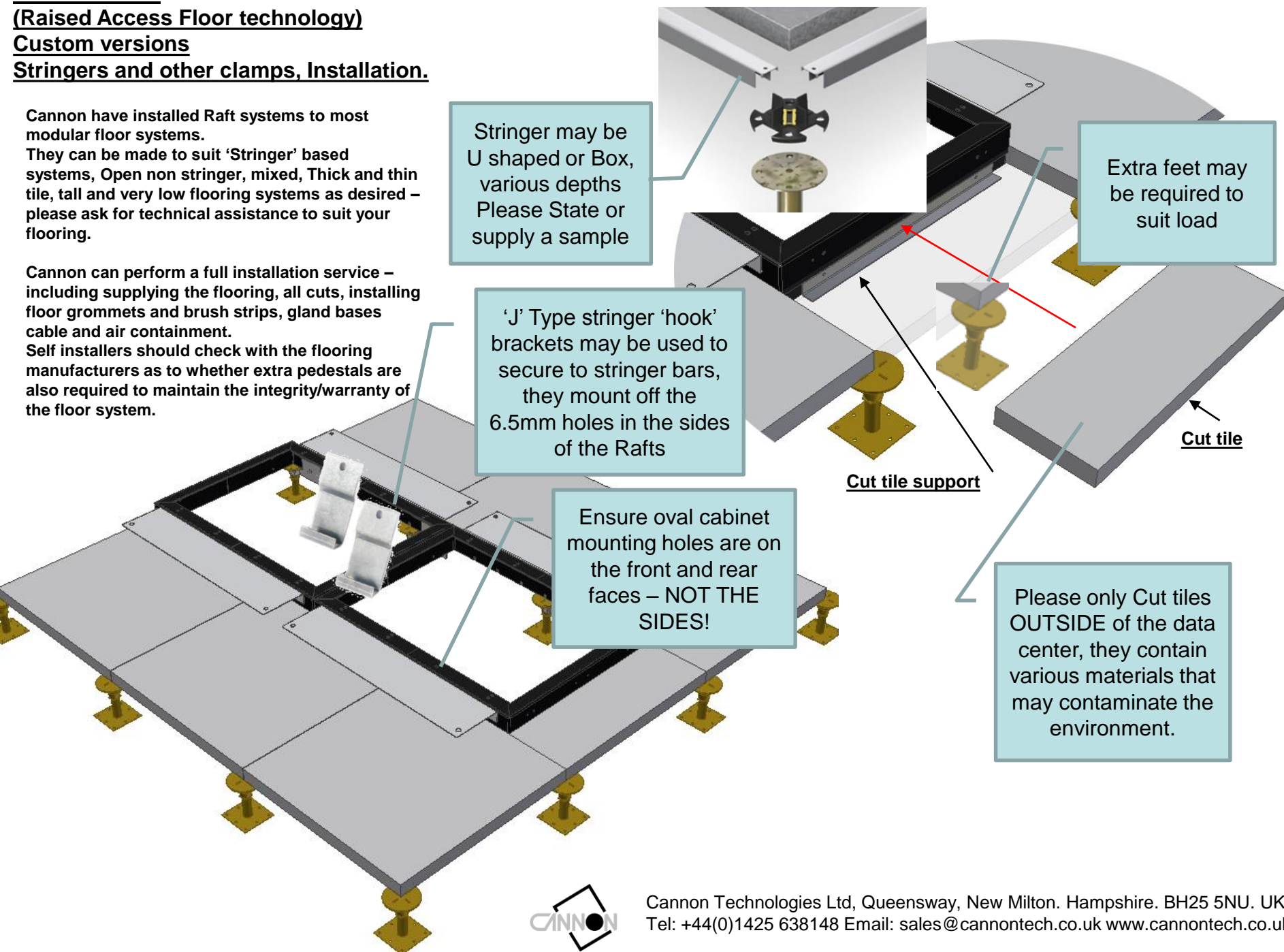
Ensure oval cabinet mounting holes are on the front and rear faces – NOT THE SIDES!

Extra feet may be required to suit load

Cut tile support

Cut tile

Please only Cut tiles OUTSIDE of the data center, they contain various materials that may contaminate the environment.



# RAft SYSTEM

## (Raised Access Floor technology)

### Rear overhang versions

#### RAft Width:-

It is preferable that the frame width matches the cabinet width (600, 700 or 800mm or 2').

The RAft allows the cabinets to be mounted centrally on the tile space or fully overhanging the neighbouring tile in front of or behind the cabinet, the advantage of this mounting method is the tile behind the cabinet can still be removed even though the cabinet is overhanging 400mm of it.

The rear of the cabinet is supported by two M10 jacking screws so that large ITE may be removed without the cabinet toppling. If the tile needs to be lifted then the jacking screws may be wound up and the tile removed – **DO NOT REMOVE ITE** from the rear if the jacking screws are not resting on the tiles.

To mount:- First fix the Rafts as per pages 1-3, then bolt on the rear mounting angle plates to the Rafts with the 4 x M6 screws. Bolt the Rafts down with the corner brackets as per page 2. Take the cabinet and remove its castors as you slide it onto the RAft platform.

*Tip ! you may find it easier to remove two tiles either side of your first RAft and remove the cabinet castors as you pass over this gap in the floor.*

Slide the cabinet to the last RAft of a row and align the front of the cabinet with the RAft front edge, the cabinet corner posts should be in line with the RAft, not overhang nor be set back. The cabinet jacking screws should fit into the slots in the RAft angle fixing plate at the rear, drop them down onto the tile.

Take the front brace bracket and place it down under the RAft and bring it up against the RAft top from underneath so that the holes line up with the cabinet M10 castor threads in the corners. Use the 2 x M10 Bolts supplied to attach the bracket from underneath using an M17 hex socket, ensure the cabinet is square and flush with the RAft.

The RAft top is now clamped by the cabinet and fixing brace. Attach the Rear Fixing angle using 2 x M10 bolts.

The cabinet is now attached to the RAft, the RAft to the pedestals and hence the cabinet to the fabric of the building.

