Elan - Double Skin Steel Partitioning

Installation Pack

Troax Lee Manufacturing Ltd.

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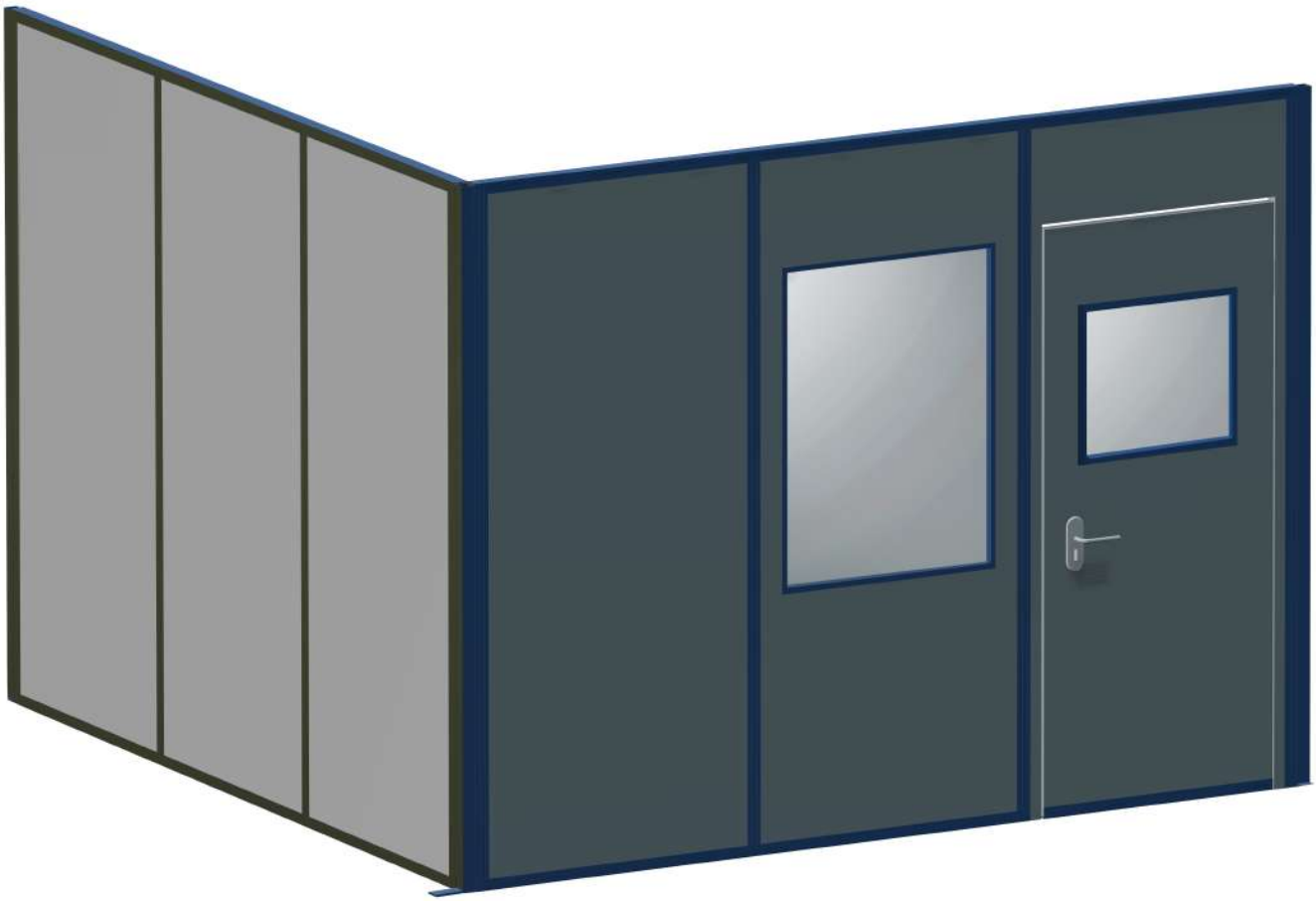
Elan Partitioning
Installation Instructions



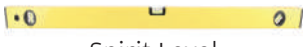
Drill with hammer action

Metal Shears

Hacksaw

Tape Measure

Pliers or Mole Grips



Spirit Level

File

Screwdriver

Adjustable Spanner

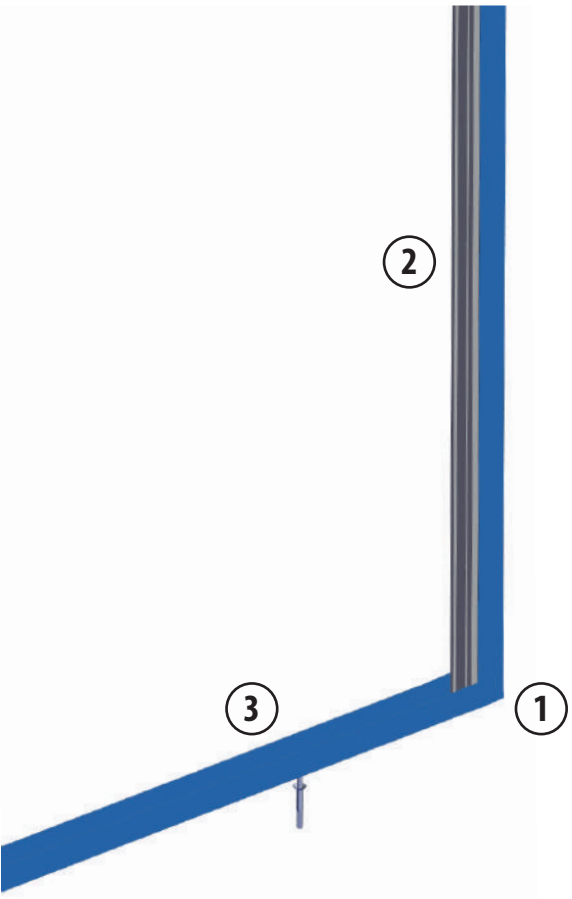
Set Square

Hammer

Beginning Installation

Before you begin:

- Identify all of the components for your installation.
- Choose a datum point from which to measure all positions of corners.
- Measure and mark up the lines of the walls with a chalk line, between the feature points.

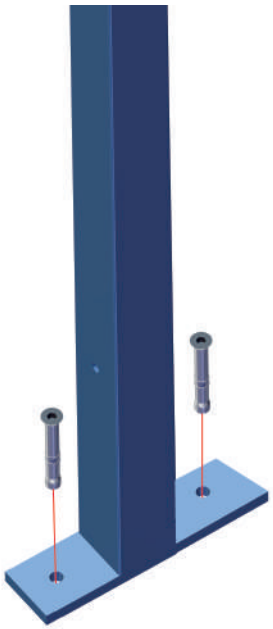


1

Fix the mullion to the floor using M10 x 100mm countersunk expansion bolts.

If NOT fixing into concrete check the fixing listed on the delivery notes.

Ensure that the floor the mullion is fixing onto is level using a spirit level.



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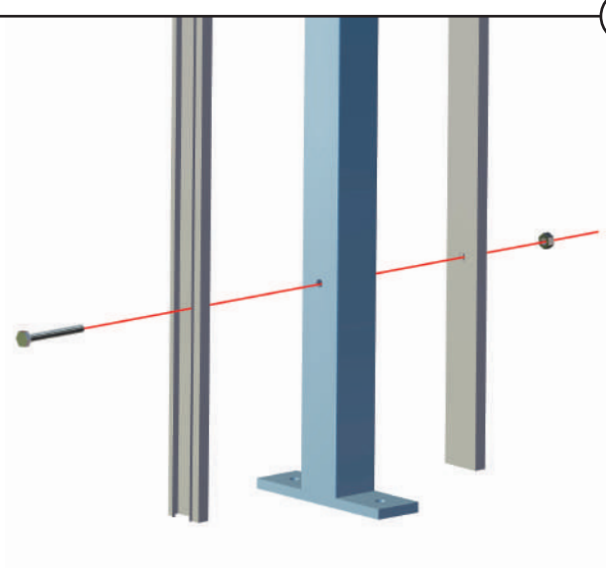


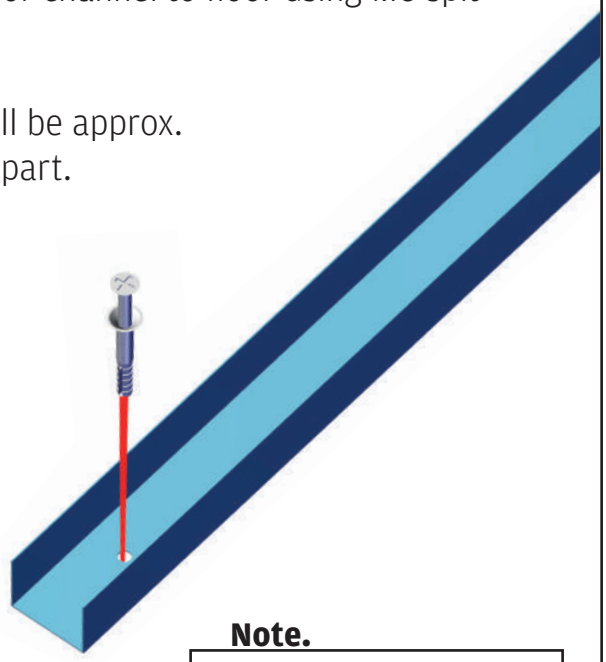
Apply 3mm bead of mastic seal to blank end before fixing in place.

Secure using M8 x 60 Bolt and Nuts.

3

Fix the floor channel to floor using M6 spit hit Fixing.

Fixings will be approx. 600mm apart.

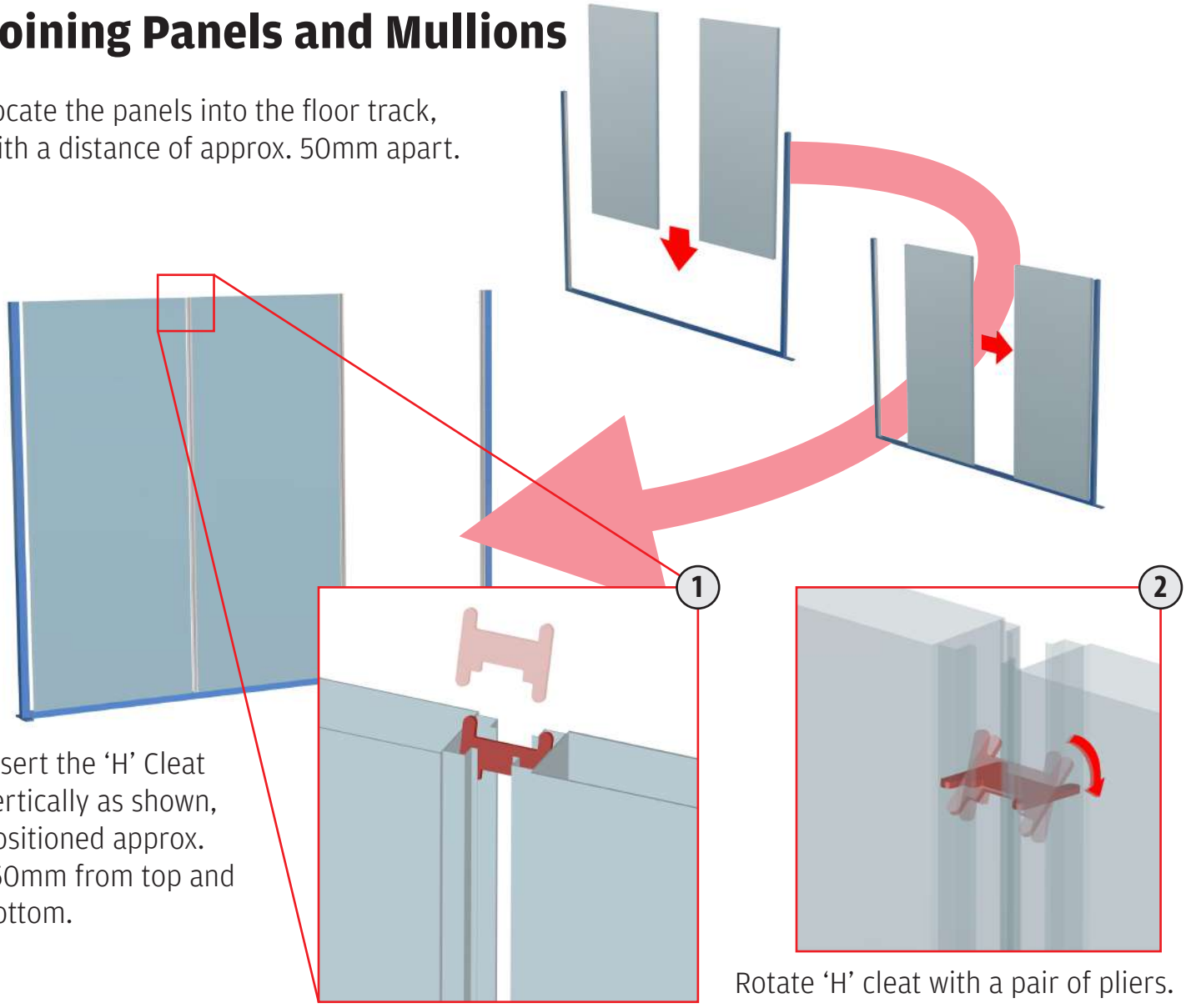


Note.

See delivery note for type of track used

Joining Panels and Mullions

Locate the panels into the floor track, with a distance of approx. 50mm apart.

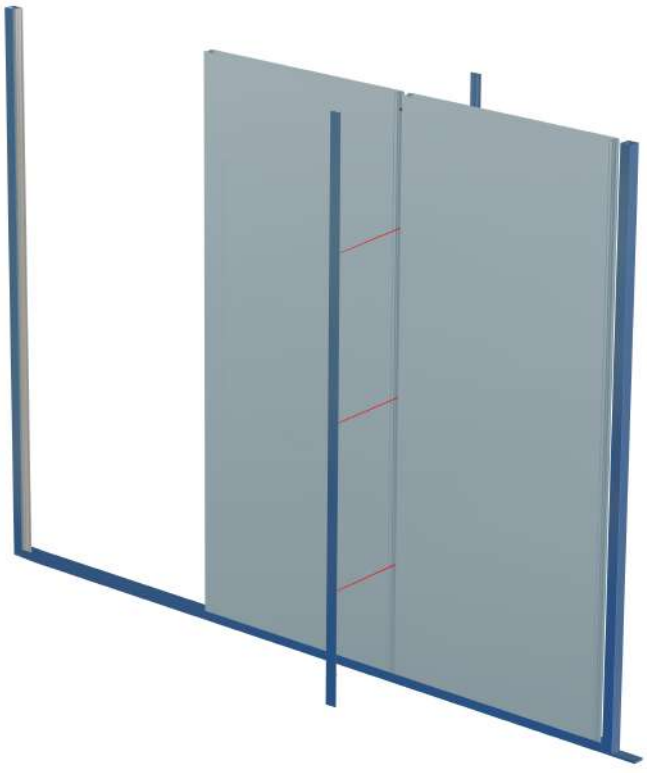


Insert the ‘H’ Cleat vertically as shown, positioned approx. 150mm from top and bottom.

Rotate ‘H’ cleat with a pair of pliers.

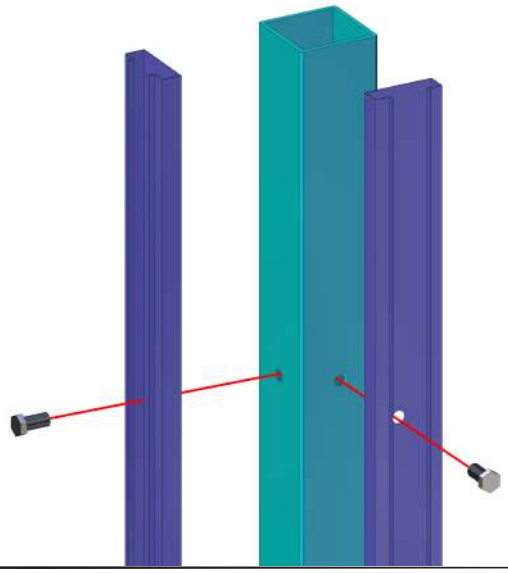
Cleat / Spring Clip Quantity
2438mm high = 5
2743mm high = 6
3048mm high = 6
3657mm high = 7

Place the spring clips in the cover channel, ensure they have slightly different spacing to the ’H’ cleat to avoid collisions.

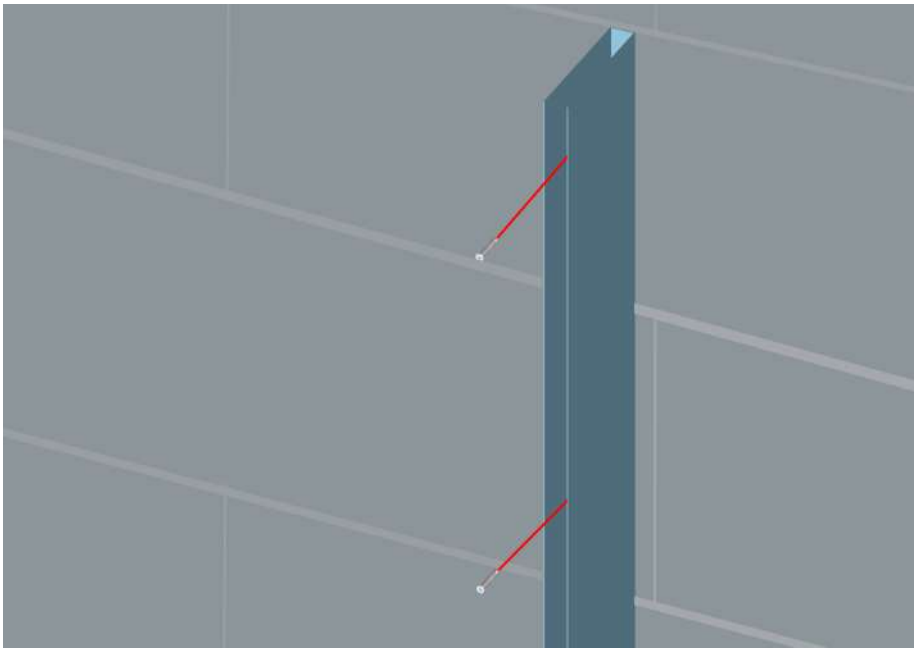


Junctions and Corners

If required a corner panel will be provided the panels then connect together just as they did previously.



Adding Fillers



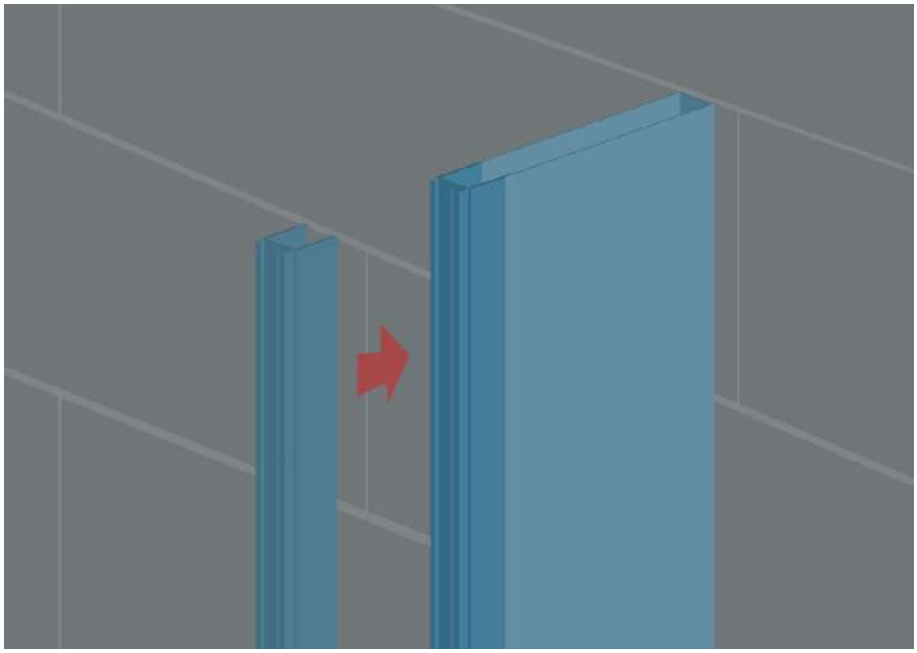
Cut filler panel to measured size.

Fix to wall using spit-hit Fixings.

Repeat this step for all the pre-drilled holes.

The second part of the filler slotted in as shown.

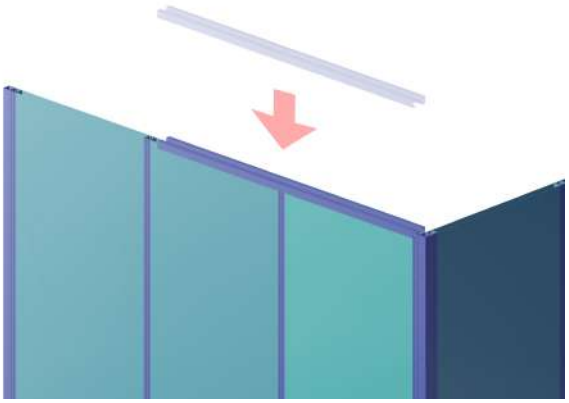
Panels are then connected in the standard method.



Installing Top Caps

The top caps are cut to the lengths in relation to the panels.

As shown the top cap will push fit onto the top of the panels.

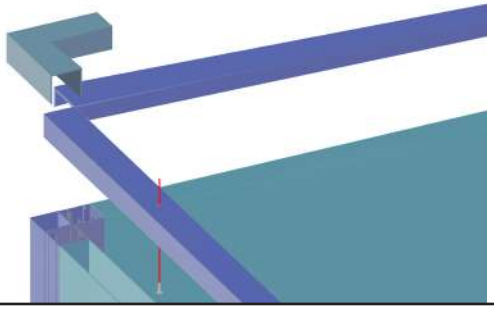


51 / 75mm Top Capping

Needs to be done prior to install if fixing to ceiling.

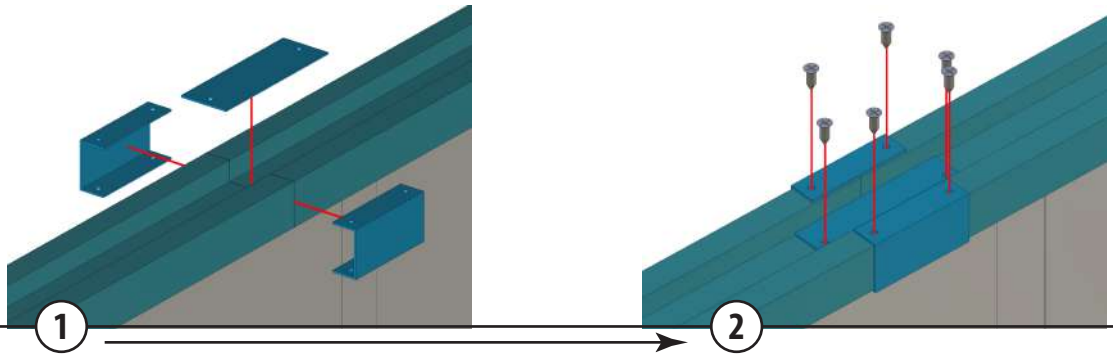
Insert top of panel into capping then panel lowered into floor-track

If free standing capping is fixed into face of panel.

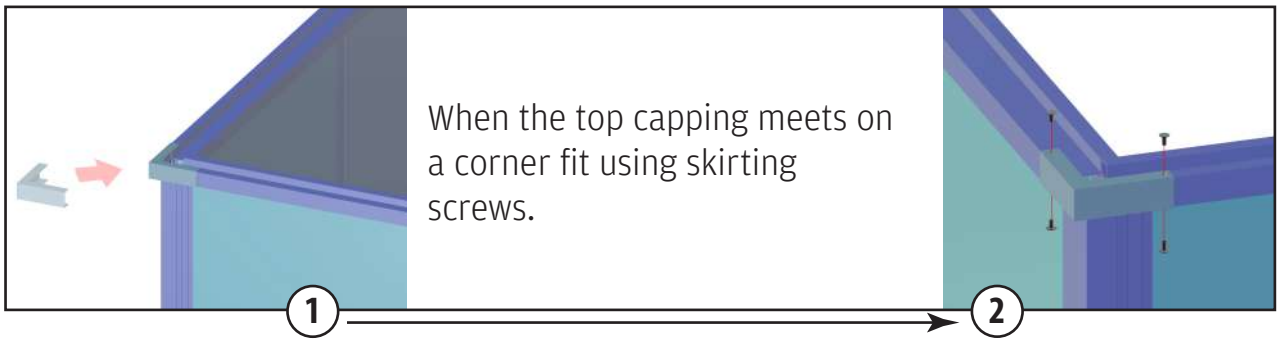


Heavy Duty Top Capping

When the top capping meets on the same line fix the parts together as shown using skirting screws.

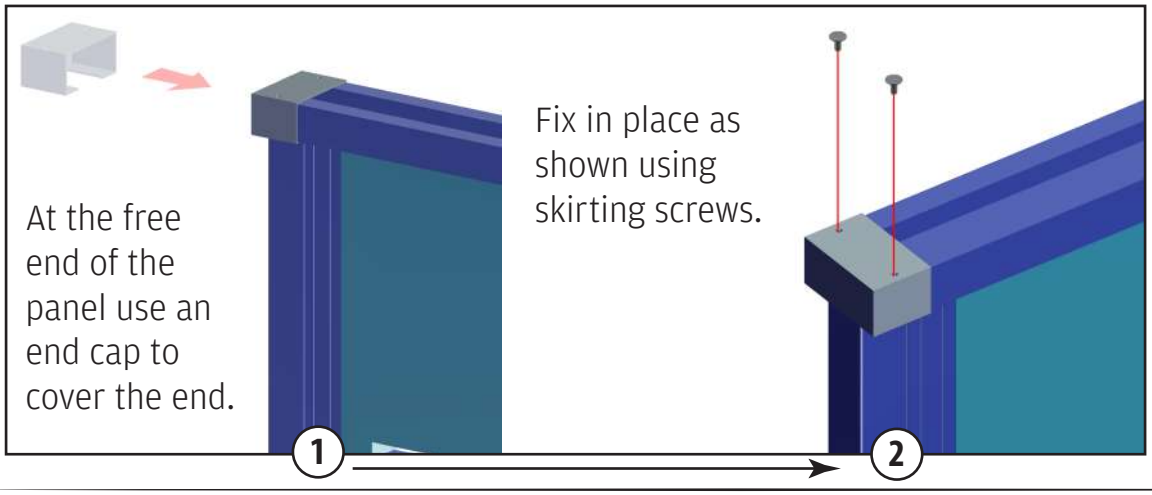


When the top capping meets on a corner fit using skirting screws.



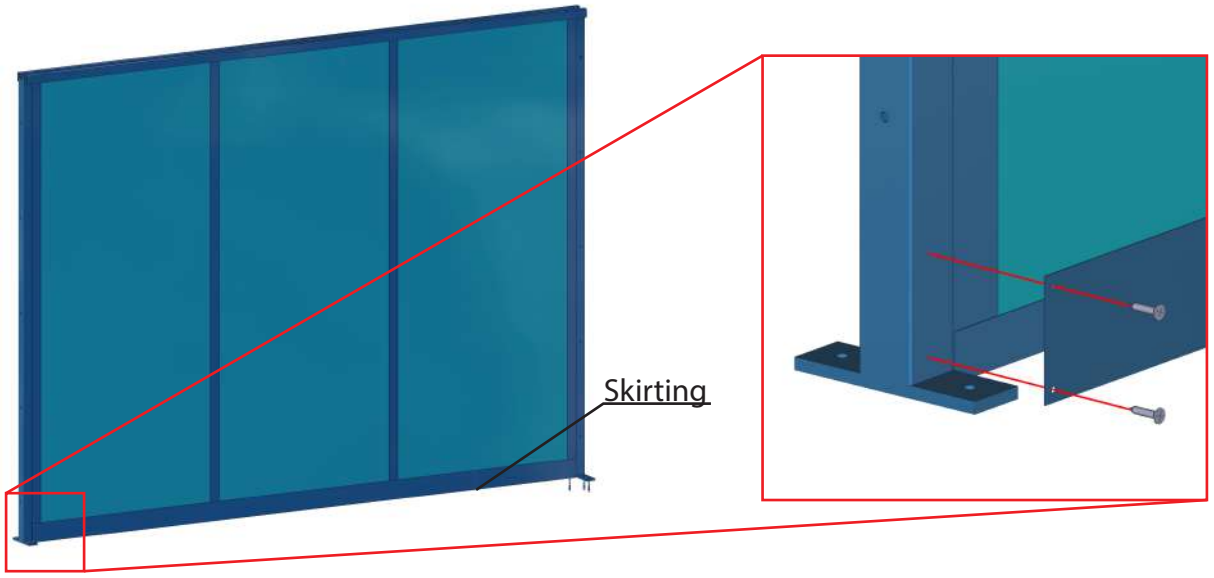
At the free end of the panel use an end cap to cover the end.

Fix in place as shown using skirting screws.



Installing Skirting

Finish the panels by adding skirting to the base of the panels as shown.



Fix the skirting to the panels using skirting screws as shown ensuring it is level with the floor.

Single & Double Doors

Single doors usually come fitted into the door frame along with locks.

Remove the bracing strip at the bottom of the door frame before installation.

Double doors will need to be fitted together with provided fixings.

Install the completed frame into the run of partitioning.

Install the over panels.

A hole will need to be drilled into the floor and top lintel to accommodate the flush bolt locking mechanism for double doors.

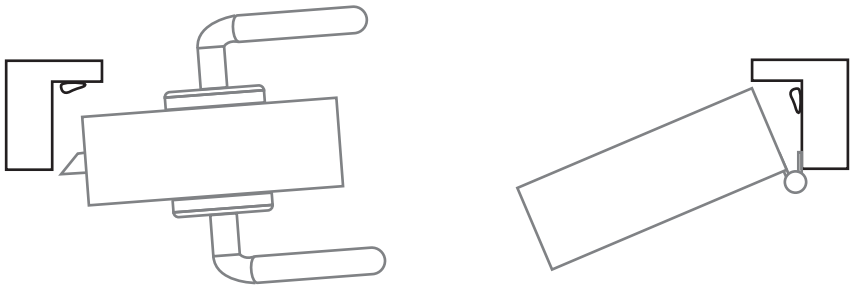
***If door closers are to be fitted, install instructions will be provided.**

Tear Drop Seals

If supplied, tear drop seals should be applied to the door frame.

The hinge and top sides should be the same, the lock side should be different.

Apply as shown.



Sliding Door (King 0)
Installation Instructions

Drill with hammer action

Metal Shears

Hacksaw

Tape Measure

Pliers or Mole Grips

Spirit Level

File

Screwdriver

Adjustable Spanner

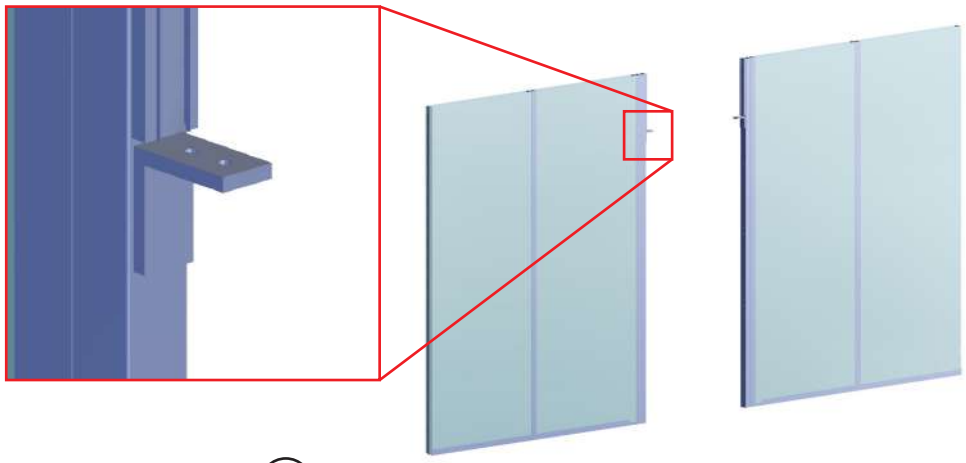
Set Square

Hammer

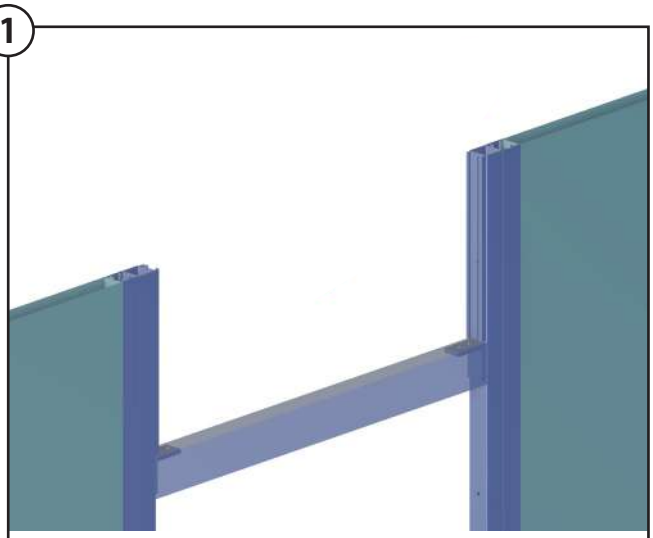
Installing Over Panel

Once the panels are installed a gap will be left for the door.

There will be two lintel cleats welded onto the mullions situated as shown.

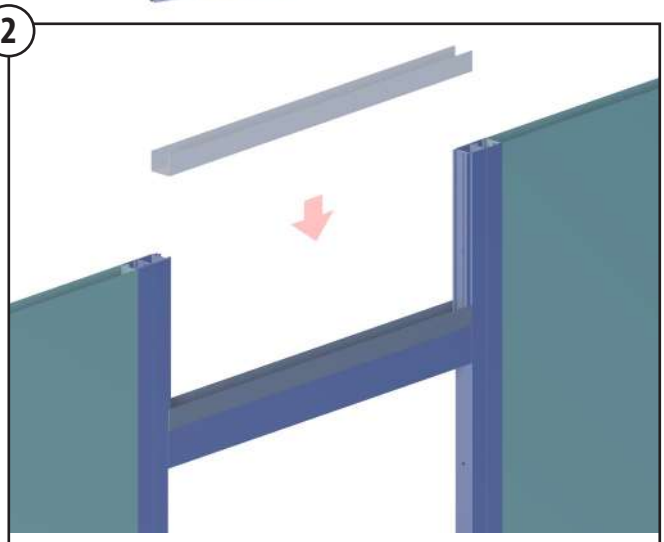


1



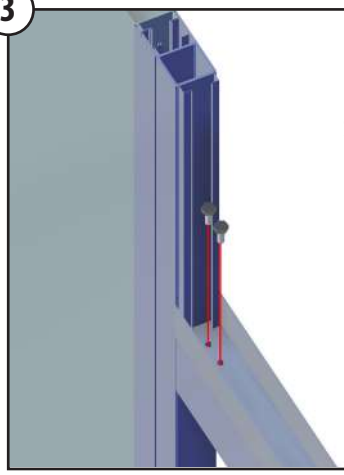
Place the box section around the Lintels. Align the pre-cut holes in both section.

2



Slide a u-channel on top of the box section and align the pre-cut holes as before.

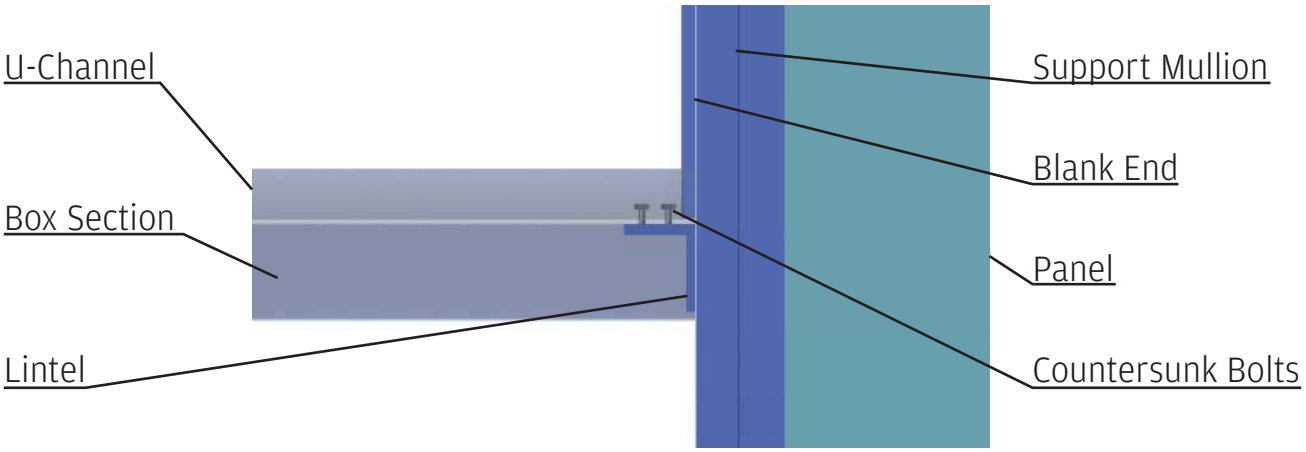
3



Fix the blank ends onto the support mullion using M5 x 25mm tek screws.

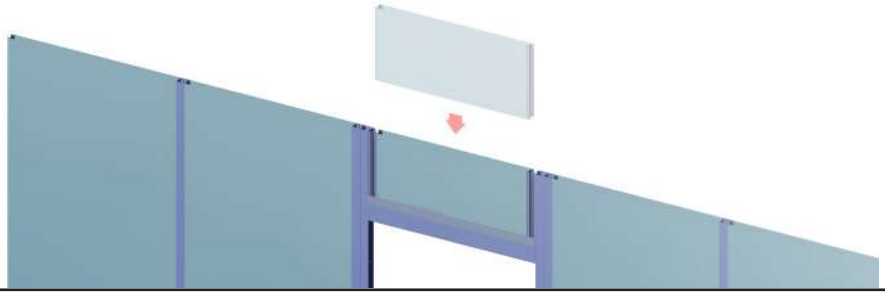
Fix the 3 parts together as shown using a M8 x 20mm or M10 x 25mm countersunk bolt.

Repeat for both sides, tighten with an allen key



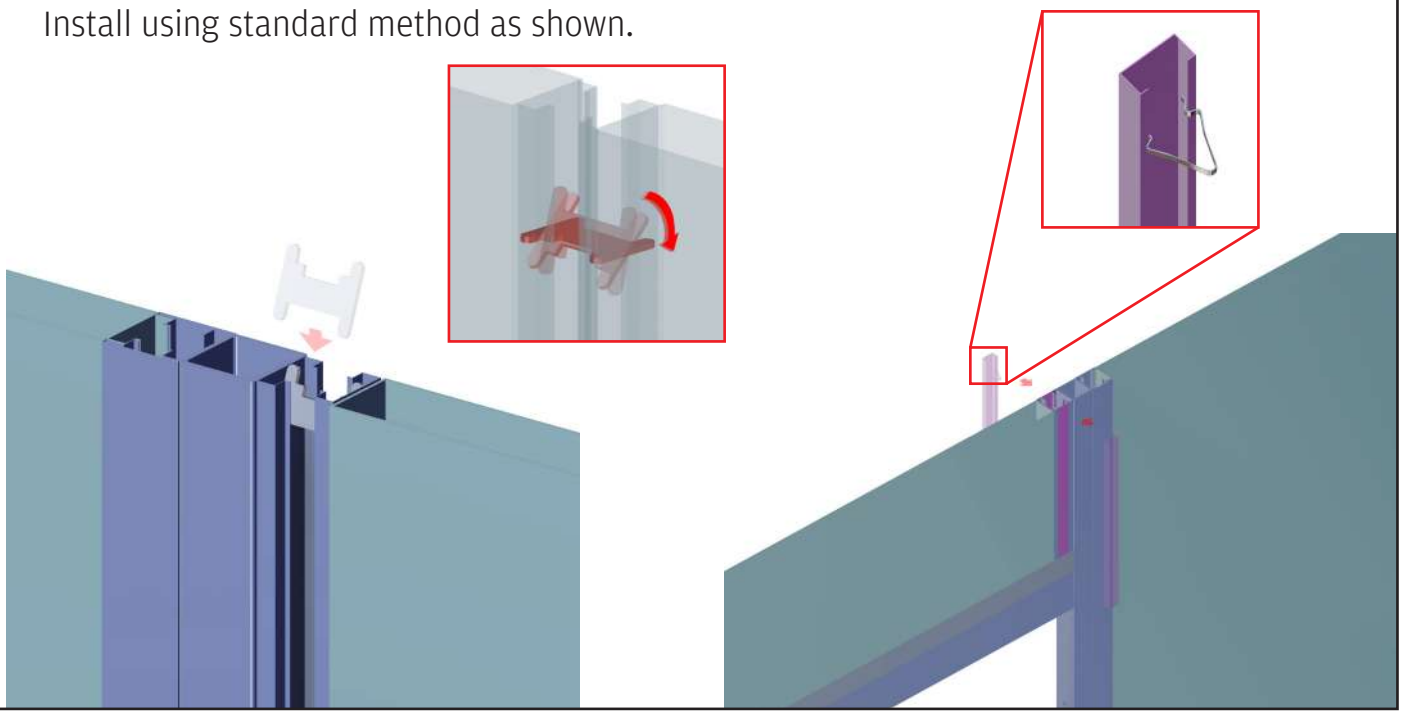
4

Slide the over panel into the u-channel as shown.



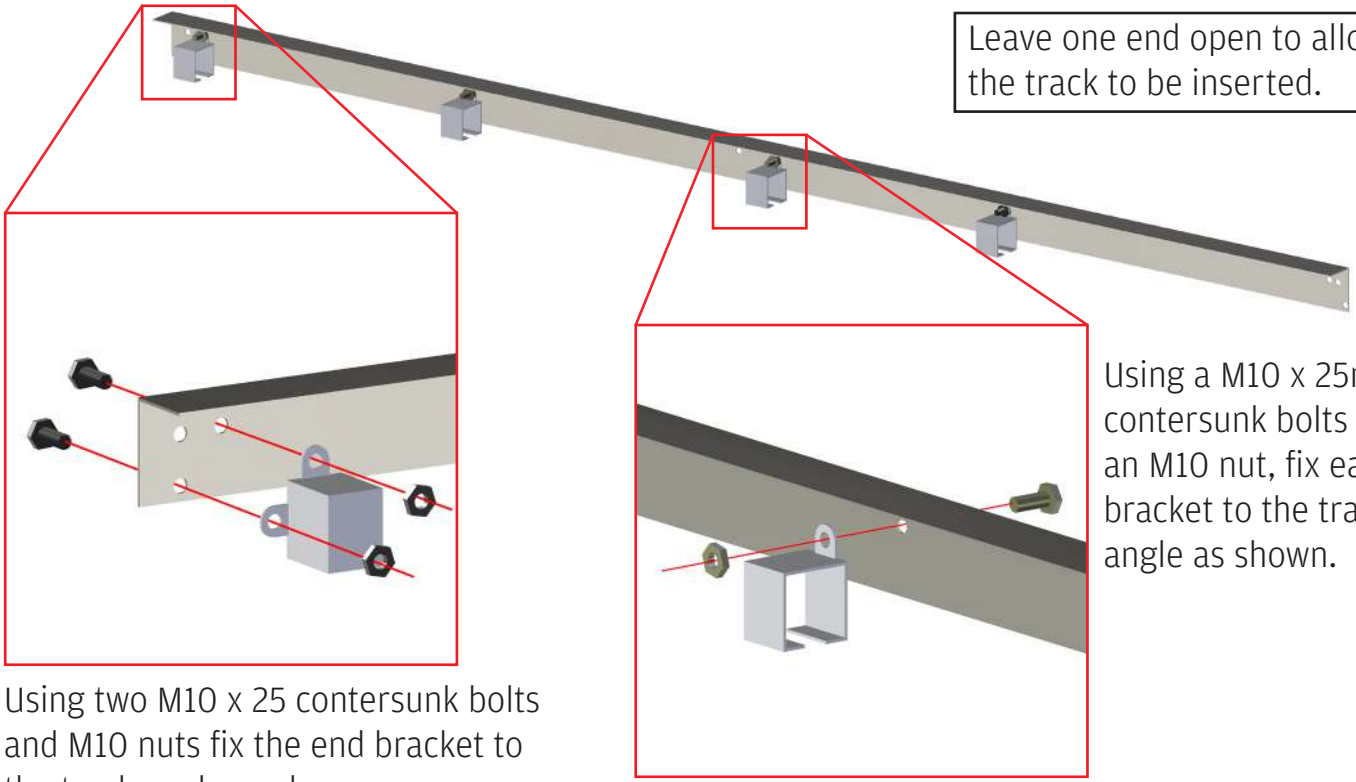
5

Install using standard method as shown.



Fitting the Track

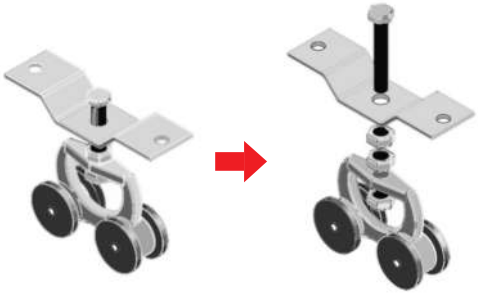
Leave one end open to allow the track to be inserted.



Using two M10 x 25 contersunk bolts and M10 nuts fix the end bracket to the track angle as shown.

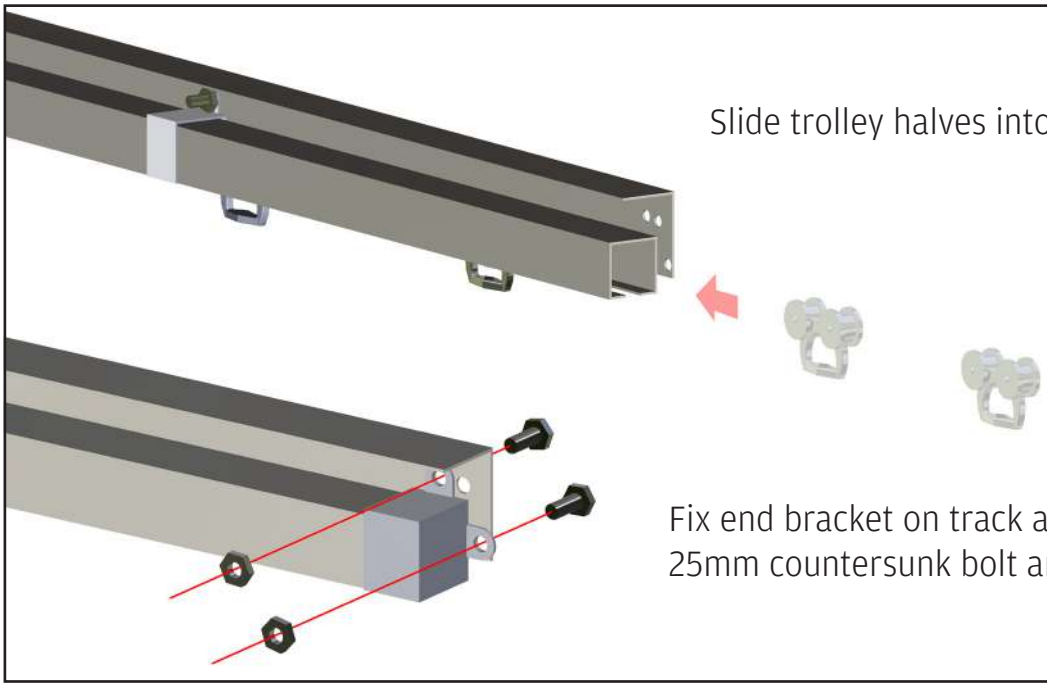
Using a M10 x 25mm contersunk bolts and an M10 nut, fix each bracket to the track angle as shown.

Slide the track into position.



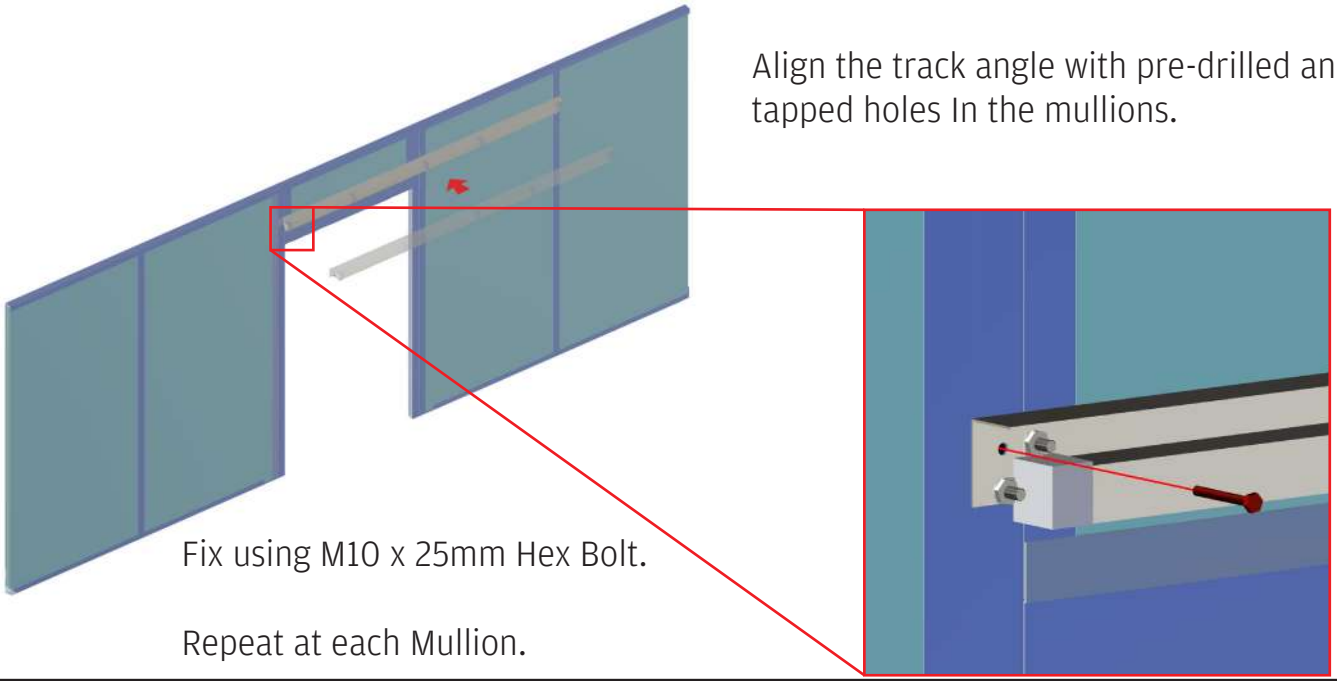
Take the trolley apart as shown.

Repeat this process for both trolleys.



Slide trolley halves into track as shown.

Fix end bracket on track angle using M10 x 25mm countersunk bolt and M10 Nut.



Align the track angle with pre-drilled and tapped holes In the mullions.

Fix using M10 x 25mm Hex Bolt.

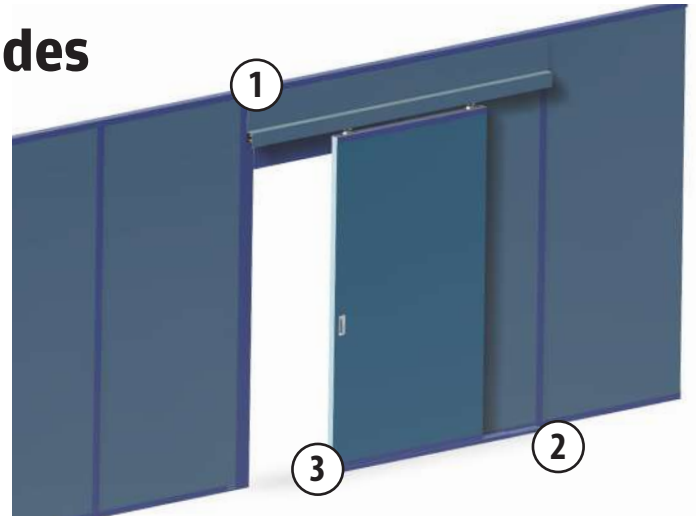
Repeat at each Mullion.

Attaching Covers and Guides

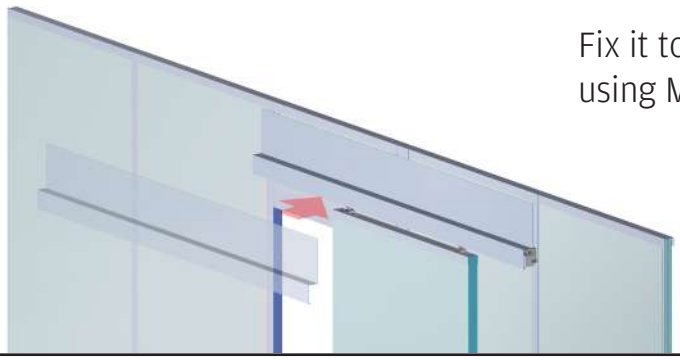
1. Pelmet

2. Floor Guide

3. Floor Track



1

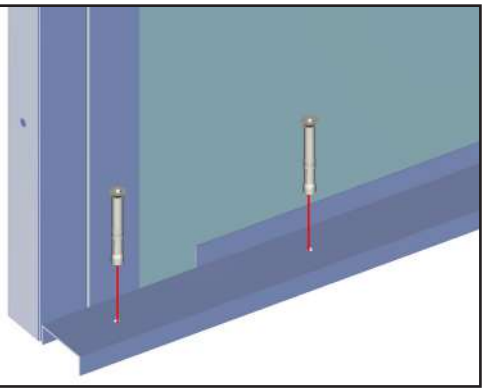


Fix it to the either the top capping or the overpanel using M12 x 19mm pan head screws.

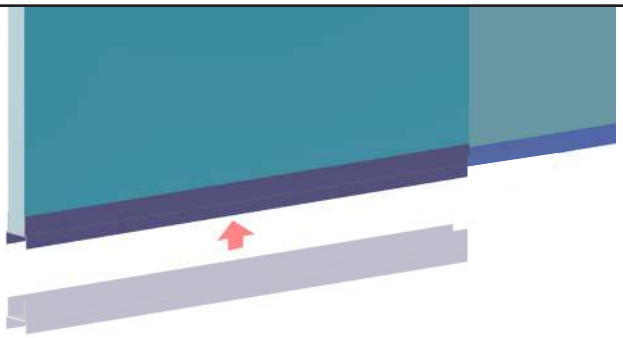
2

Using the pre-holes in the floor guide drill 6mm holes in the floor. Guide fits level with edge of mullion.

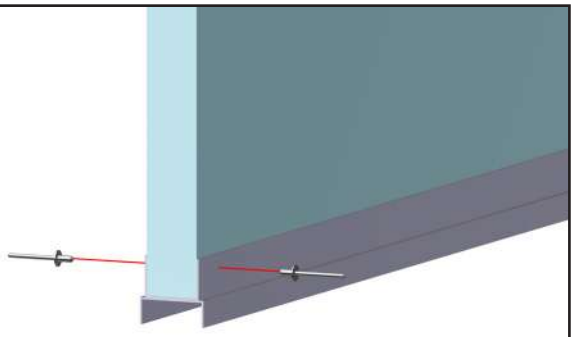
Fix using push spithit fixings.



3



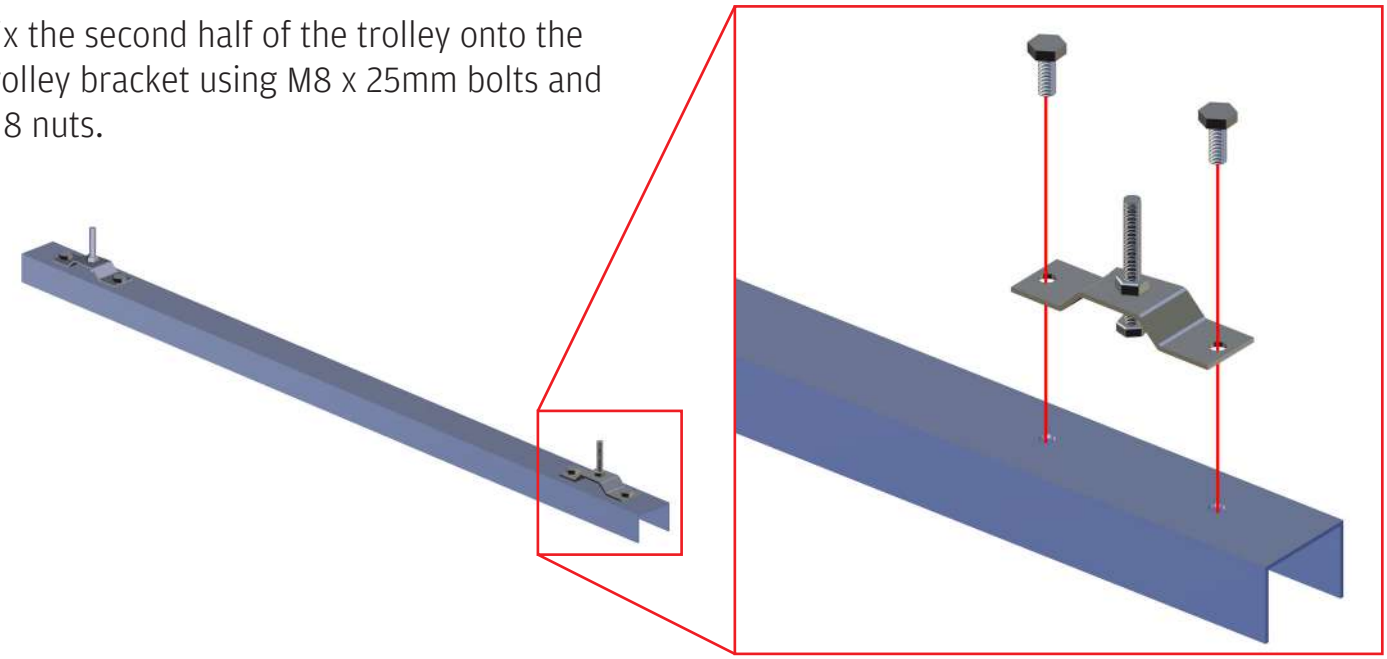
Slide the floor track over the base of the door as shown.



Pop rivet into posision at each corner and at approx. 300mm intervals.

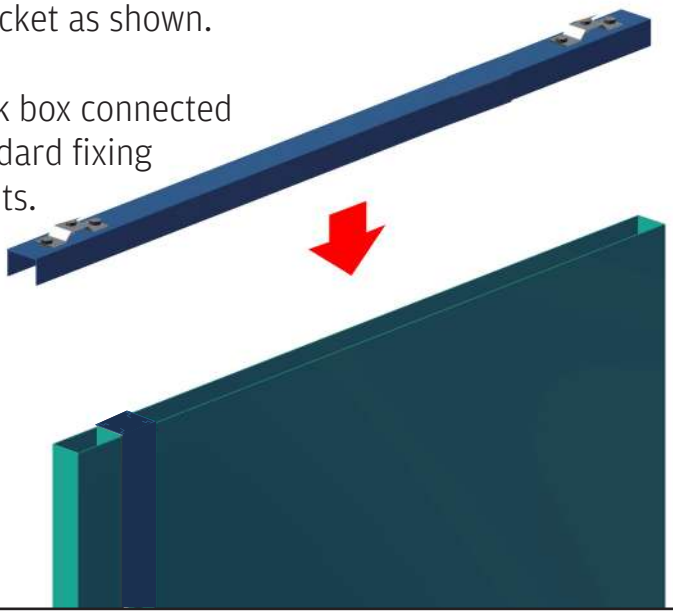
Attaching the Sliding Door

Fix the second half of the trolley onto the trolley bracket using M8 x 25mm bolts and M8 nuts.

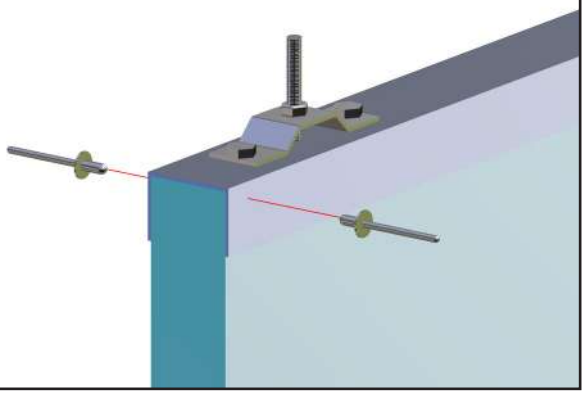


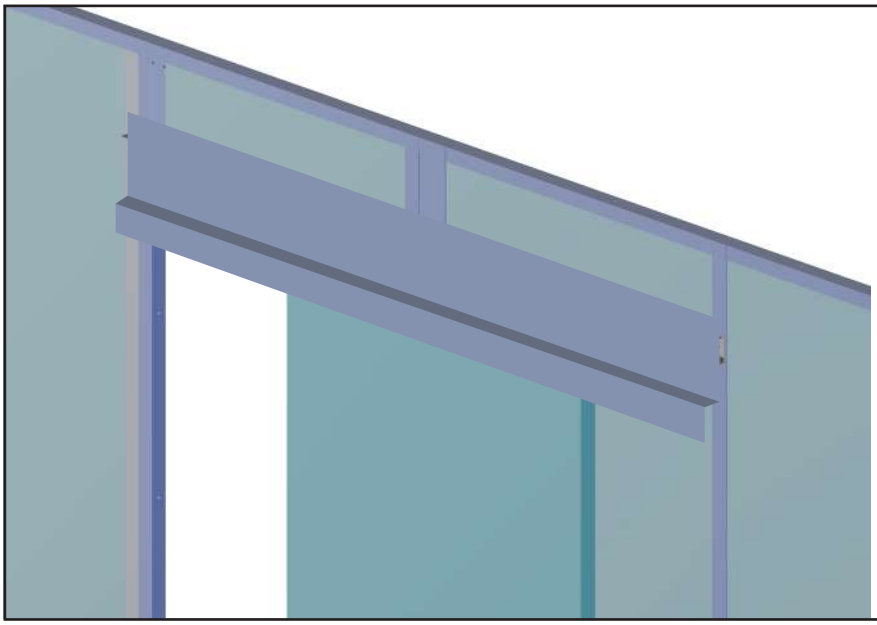
Slide the door panel into the trolley bracket as shown.

96mm lock box connected using standard fixing attachments.



Pop rivet trolley bracket to the door in the top corners of the door and between with a spacing aprox. 500mm.



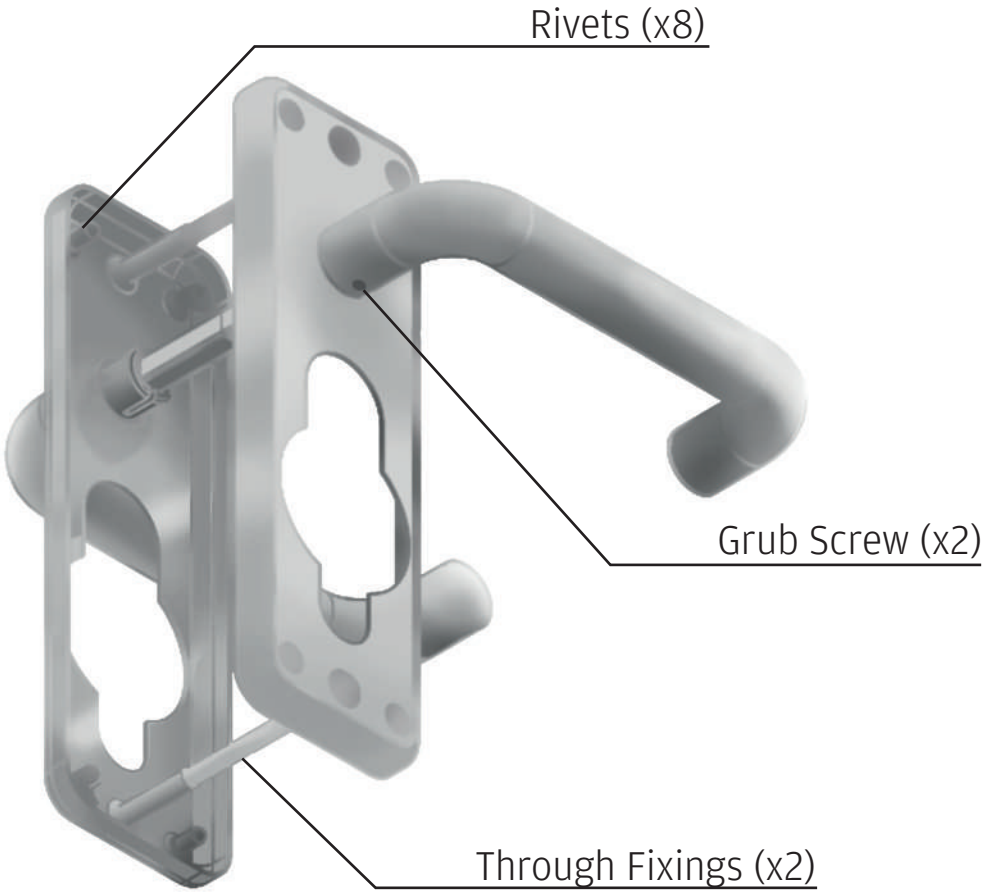


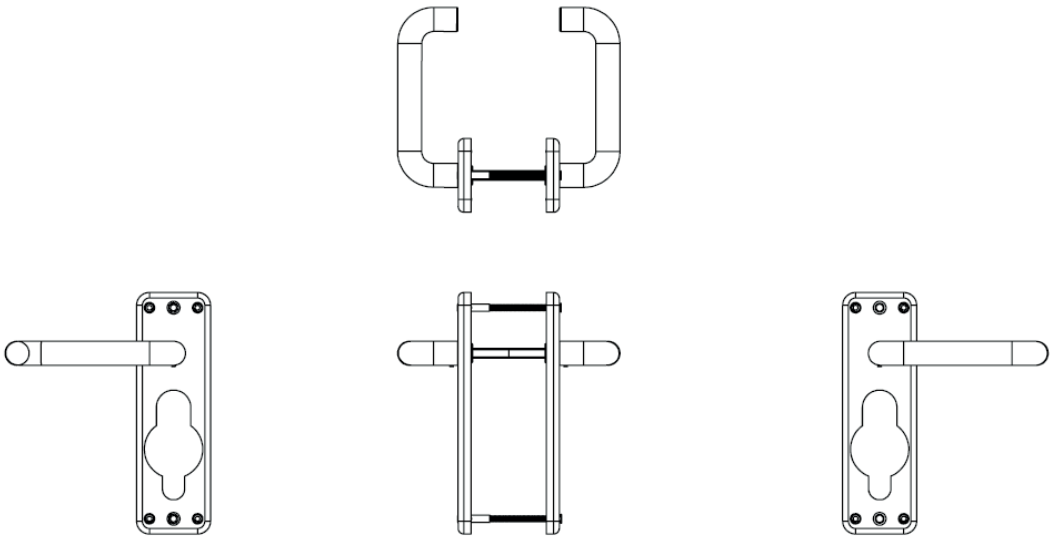
Re-assemble the two trolley halves to fix the door to the track.

SSS Handle

All Fixings must be used when installing the SSS Handle.

2 x Grub Screw
2 x Through Fixings
8 x Rivets





1.0 General Cleaning:

1.1 Daily cleaning is recommend for the removal of dust and dirt.
1.2 Do not use abrasive cleaning solutions, abrasive papers or alkaline solutions.
1.3 Wipe down only! Must not be washed down.

2.0 Laminated & Wooden Doors:

2.1 Wipe down periodically using a damp cloth and mild detergent drying with a clean cloth afterwards.

3.0 Sliding Doors:

3.1 Lightly oil trolley hangers every 3 to 5 months.
3.2 Check the trolley alignment in the track every 3 to 5 months.

4.0 Locks & Hinges:

4.1 Duplicate keys can be ordered from Troax Lee Manufacturing Ltd.
4.2 Lightly oil hinged every 3 to 5 months.

5.0 Bolt Fixings:

5.1 Check bolted fixings to ensure they are still tight every 6 to 12 months.

6.0 Glazing:

6.1 Clean glass when necessary using a suitable glass cleaner only.
6.2 Wipe down only! Must not be washed down.

7.0 Polycarbonate

7.1 Cleaning must be carried out manually. Carefully brushed with a very soft brush to remove any particles. Using a lint free cloth, gently wipe (do NOT rub) with lukewarm water mixed with a milddomestic soap (i.e. Washing-Up Liquid). Rinse thoroughly with clean water and wipe dry with a very soft lint free cloth (do NOT rub)

8.0 Door Closers:

8.1 To be maintained as per manufacturers recommendations.

9.0 Damaged Items:

9.1 Contact Troax Lee Manufacturing Ltd. for a range of replacement parts, doors, panels & glazing.