



# IPS Ducting Fusion Frame System



IPS Fusion frame system is design for a fast- fit installation on site.

Our metal frame system comes pre- built with factory fitted panels clipped onto a metal frame system supplied with threaded wall ties supplied to allow for easy level adjustment on site.

This easy fix system does not only save you on site installation costs but time as well because rather than flat pack panels arriving on site not pre-assembled. It frees up your installation team to complete the rest of the washroom.

# Fittings



**Galvanised Angle Trim**

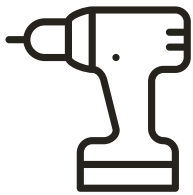


**Anchor Plates**

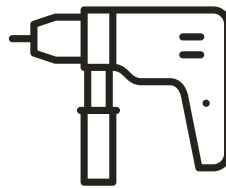


**8mm Support Rod**

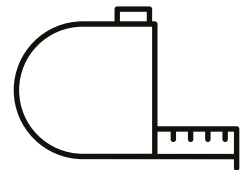
## Tools Required



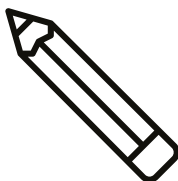
**Cordless Drill**



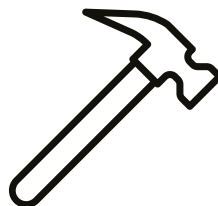
**Hammer Drill**



**Tape Measure**



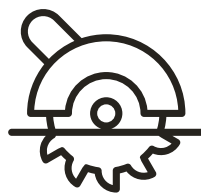
**Pencil**



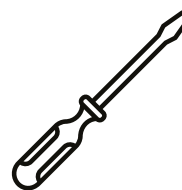
**Hammer**



**Spirit Level**



**Circular Saw**

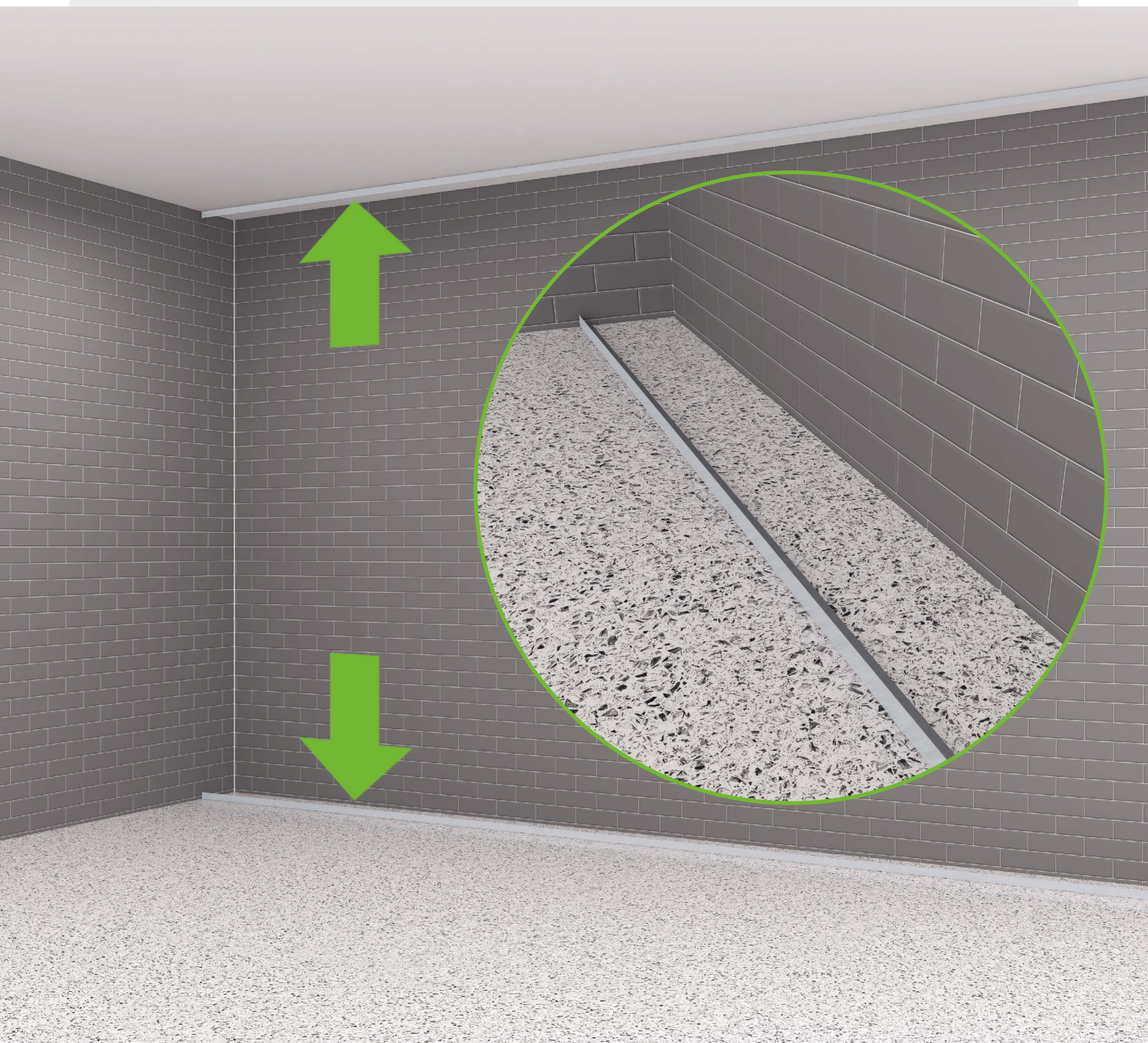


**Screwdriver**



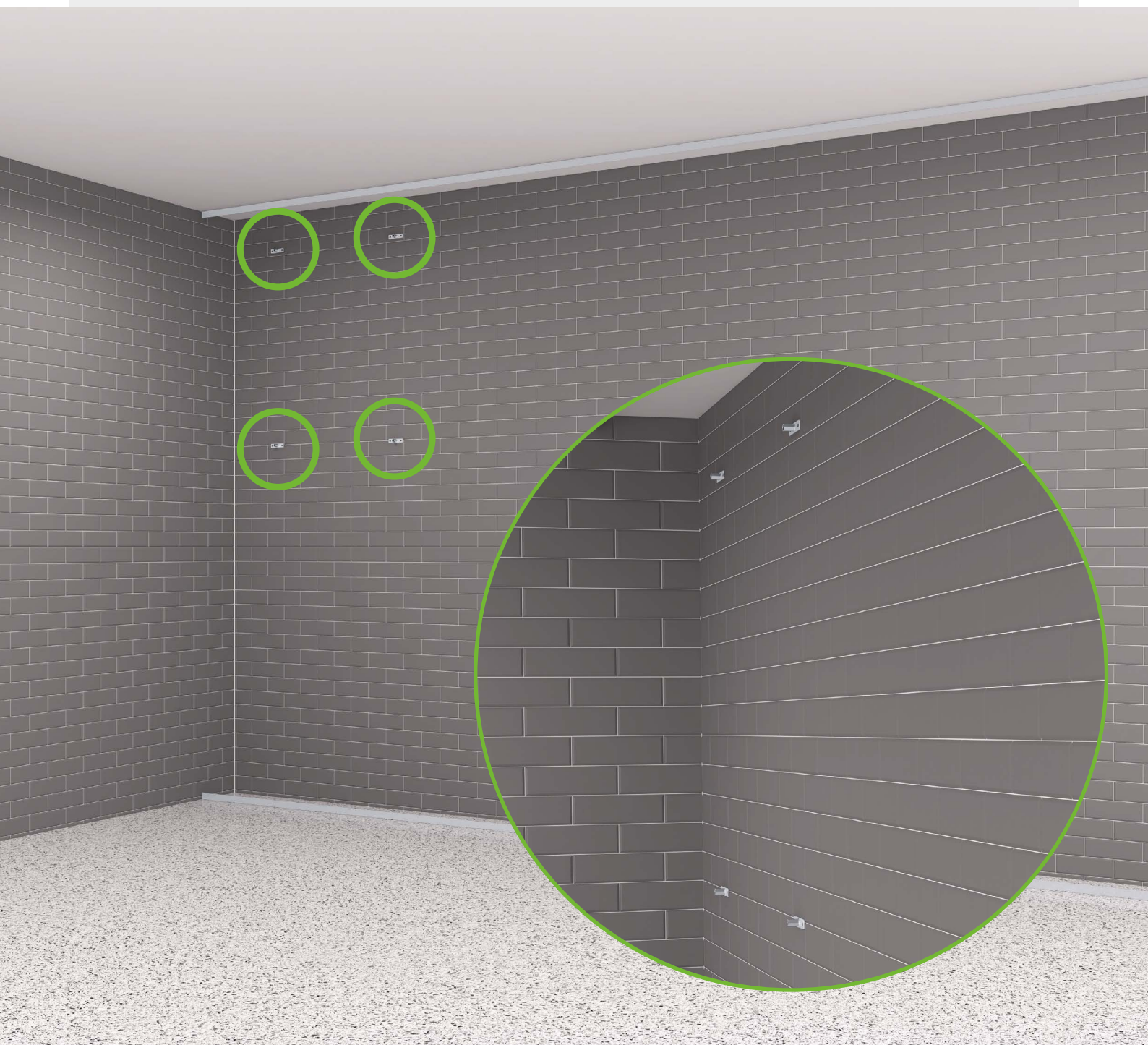
# Step 1

1. Measure and mark a line off the back structural wall onto the floor (min 250mm) off the wall. Fix and secure the galvanised angle to the floor, on the line you have marked.
2. Repeat the same process on the ceiling making sure both angle trims on the floor and ceiling are both aligned.



## Step 2

1. Remove the front access panels from the frame and put to one side for the time being.
2. On the metal IPS frame there is 4 x threaded inserts located on the top head rail and middle rail.
3. Measure where the threaded inserts positions are located on the metal frame. Transfer the insert positions onto the back structural wall.
4. Drill and secure the anchor wall plates where you have marked.





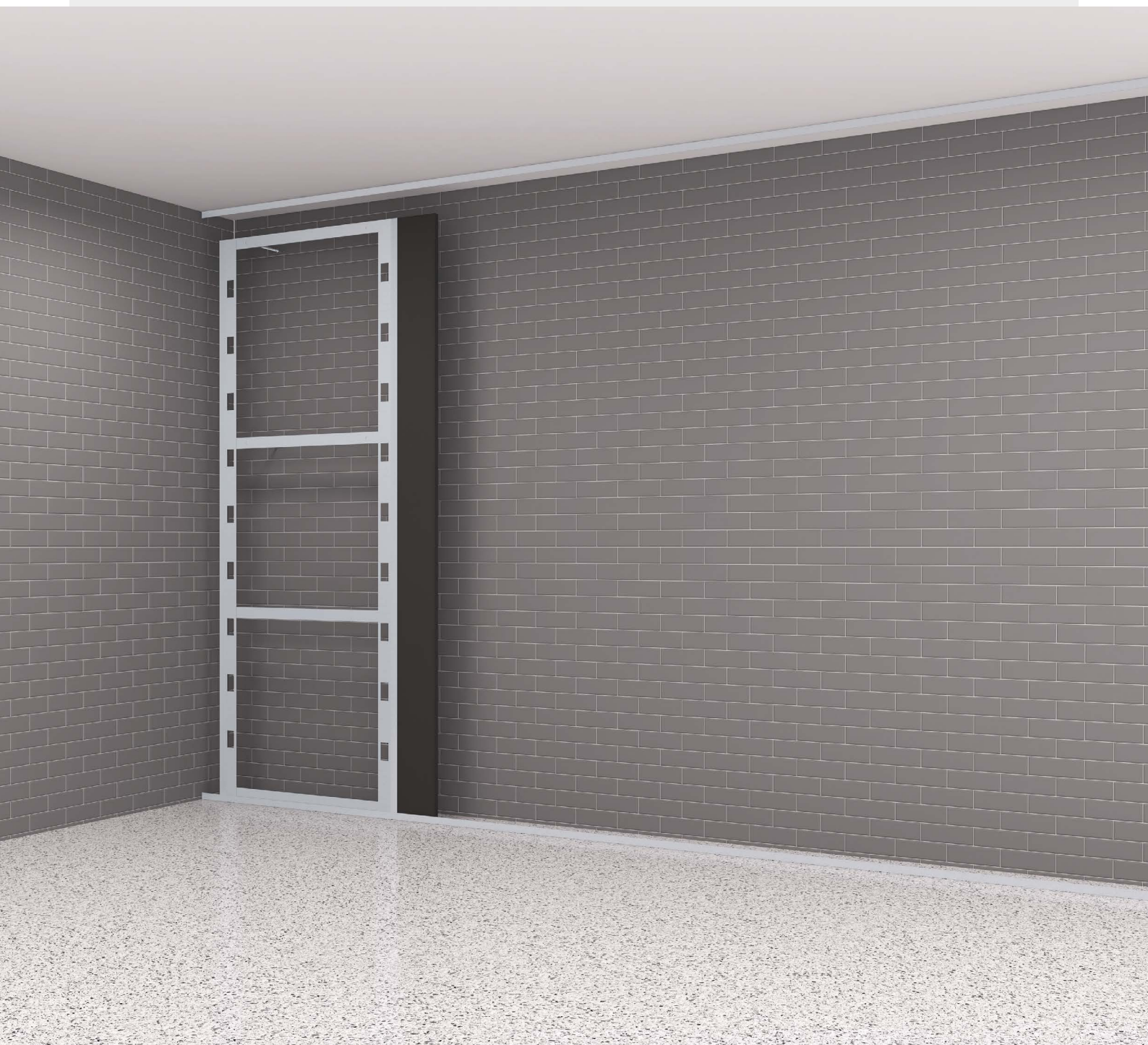
## Step 3

1. Cut the 8mm threaded rod to length. This is the length from the wall to the front of the L Angle on the floor.
2. Wind 8mm rod through the frame into the anchor plates on the back wall.
3. Make sure you wind the threaded rod until the frame becomes level and totally upright. The rods will make the frame rigid and give the IPS frame its strength.
4. Fix and secure the IPS Frame inside the L Angle on the floor with self-taping screws provided.



# Step 4

1. If you have a run of IPS frames in a row. Fix your 1st frame and then fix you middle flash frame panel between the frames.
2. Fix the middle flash frame panel inside the locating grove through the predrilled holes either side of the frame.
3. Make sure the top of the middle flash is flush with the top groove on the head of the frame.





# Step 5

1. Repeat the same process again for the next frame. (Secure IPS frame then insert middle flash frame until you have completed the row.)
2. When installing each frame make sure the frame is perfectly level vertically and horizontally
3. Install extra timber supports if required on long runs for extra strength if needed. (timber supports not supplied )





## Step 6

1. Once all frames are installed, scribe and fit the wall end fillers., again sliding the panel into the groove located in the end of the frame and fix through the screw holes.



# Step 7

1. Fit the head flash frame panel into the top groove located at the top of the frame. If the ceiling is running out you will have to scribe the panel to fit tight up against the ceiling. When you have inserted the panel, it should sit directly onto of the middle and end flash frame panels. The joint between the panels should be up tight with no gap.
2. Secure and fix the top flash panel through the L Angle into the back of the panel from inside the frame using 17mm secures.
3. When installing the bottom plinth, you should not exceed **150mm** off the floor up. If this happens the bottom panel will not clip on correctly.
4. Cut the plinth to length and fit to the face of the frame at the bottom.





## Step 8

1. Mark the position of the toilet cut out for the waste pipe on each of the bottom access panels.
2. Cut out for the waste pipes with a jig saw cutter. If it's a CGL panels, make sure you use a metal jig saw blade when cutting.
3. Start re hanging the bottom access panels first and work upwards
4. Install your toilet and connect all your waste and water pipes before you hang the middle panel.



# Step 9

1. The Access panels are all on lift on clips. Clip on the panel and push the panel down to lock into the frame.
2. Mark out for the push handle or push plate on the middle panel and cut out.
3. Hang the middle panel and connect the flush handle or push plate.





# Step 10

1. Install the top access panel.
2. Make sure all the access panels are aligned correctly.



