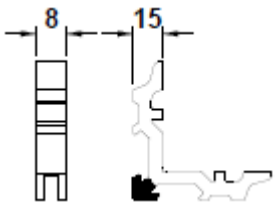
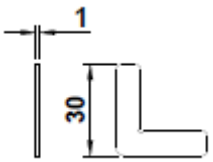
Modeal Bifold Installation Guide

Included Parts for Kit Form;

Cleats:



Chevrons:



Tension Block:

Include Parts for Fully Fabricated:

- Final Fixing Screws for Hinges
- Final Fixing Screws for Rollers
- L Packer for Glass Adjuster
- Reinforcement Plate for Glass Adjuster

Required Parts for Fitting:

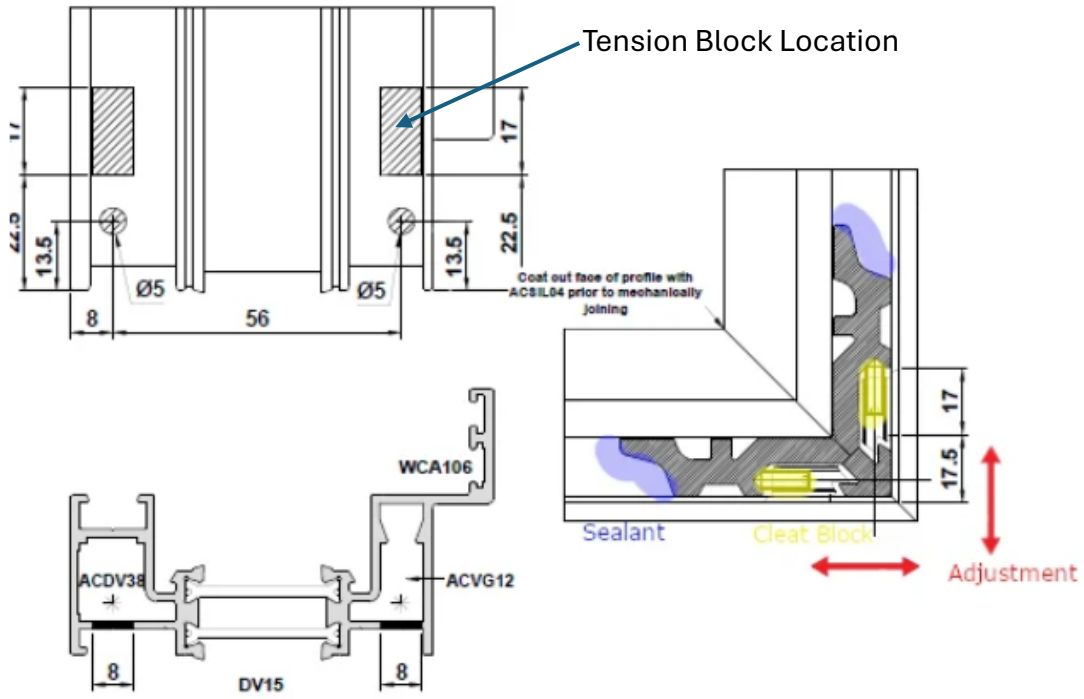
- Silicone Sealant
- Frame Fixing Screws (minimum 100mm Long)

Tools needed for Fitting:

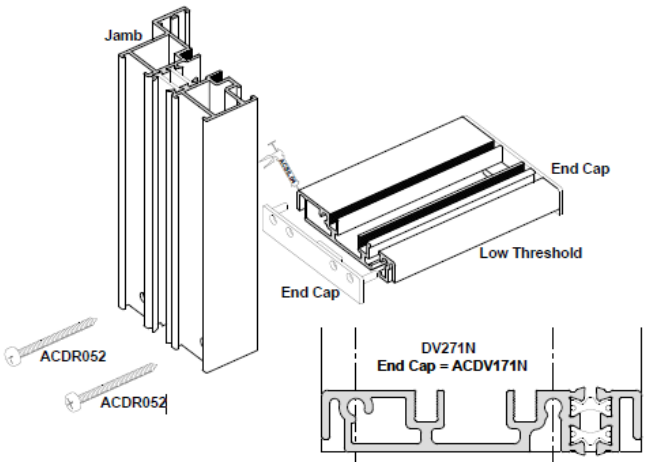
- Allen Keys (2.5m, 4mm and 5mm)
- Screw Driver
- Spirit Level/Laser Level

Outerframe Assembly

1. Insert two cleats and chevron into frame section
2. Apply Silicone to all mating surfaces.
3. Join frame sections together.
4. Tap joints together using a soft mallet if required.
5. Install Tension Blocks into positions shown below.
6. Tighten bolts with 2.5mm Allen Key.
7. Adjust to square off frame.

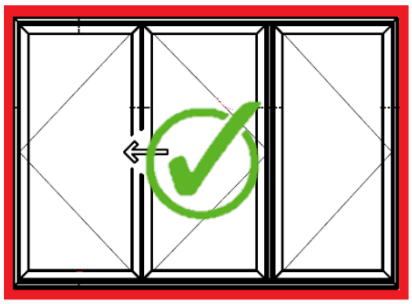


8. For Low Threshold, fix as shown. Seal joints with silicone on all mating surfaced.

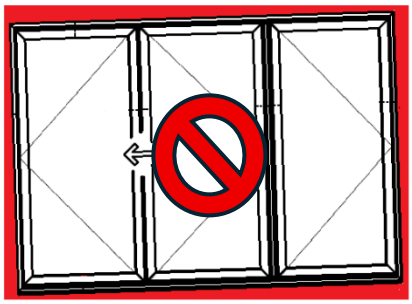


Installing the Outerframe

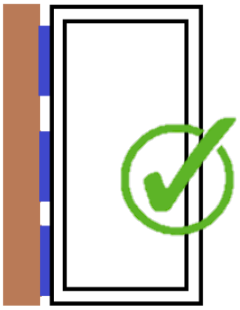
1. Check Opening Size vs Bifold Size to ensure fitting can occur without distortion.
2. Fix cill to base of opening. Pack underneath to ensure this is flat and level. Check with Spirit Level/Laser Level
3. Sit outerframe on top of cill. On Larger Frames, lift from the bottom to avoid distorting the frame.
4. Pack sides of outerframe, check they're level with Spirit Level/Laser Level.
5. Lastly repeat with head of the frame. Ensuring enough room to fix straight and level.
6. Remove the adjustable jamb before fixing. (See adjustable jamb section for details)
7. Fix bottom first, then sides and head. Fixing points 150mm from edge of frame, then 500mm centre. Use 150mm fixing screws, minimum 100mm.
8. Ensure doors remain square, level and straight during fixing.
9. Check Diagonals are equal sizes to confirm. Check height and width remain constant across the frame.



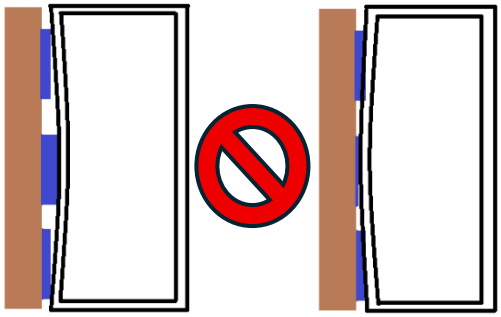
Is it Square?



Is it level?

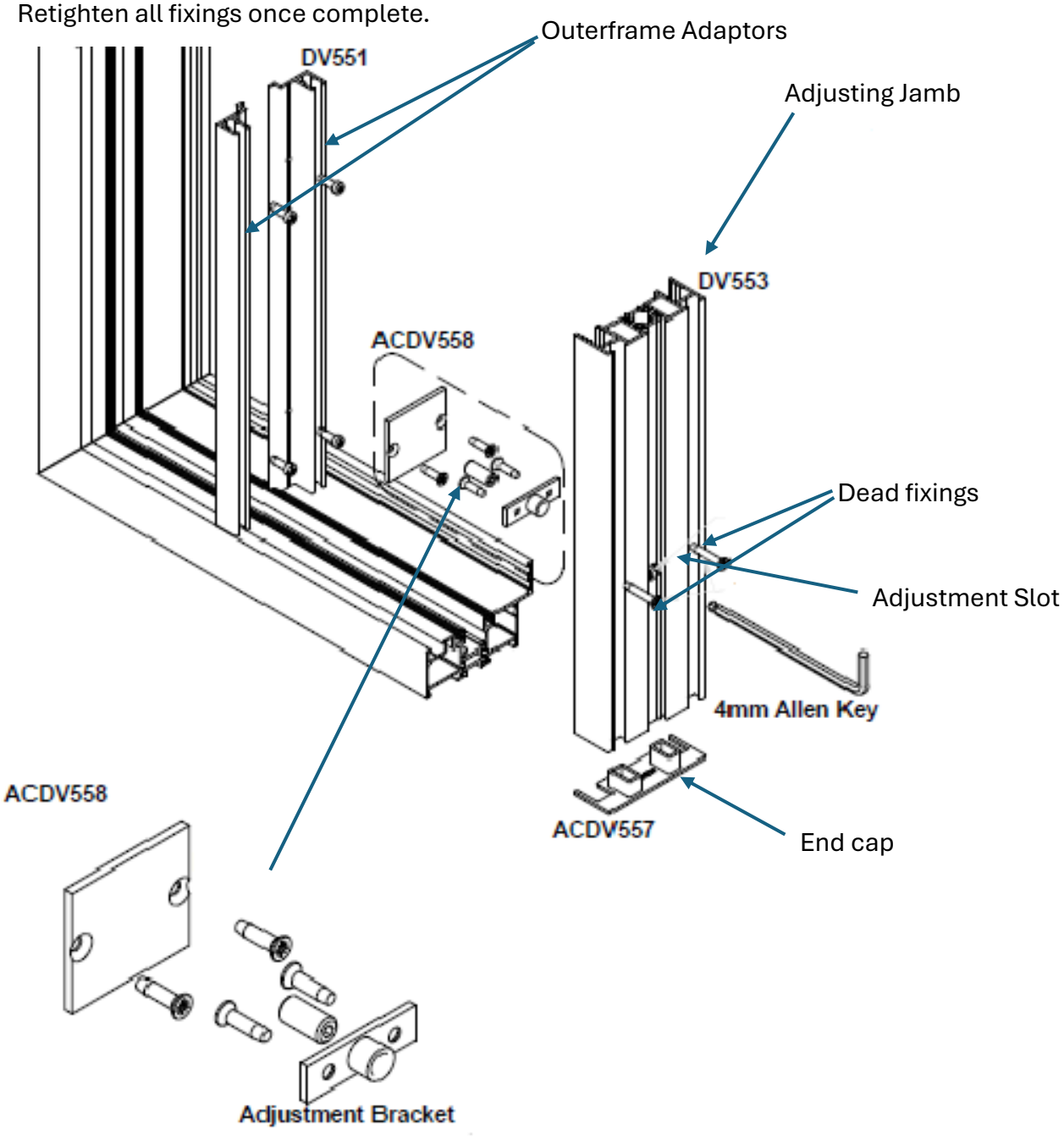


Is it equally packed?



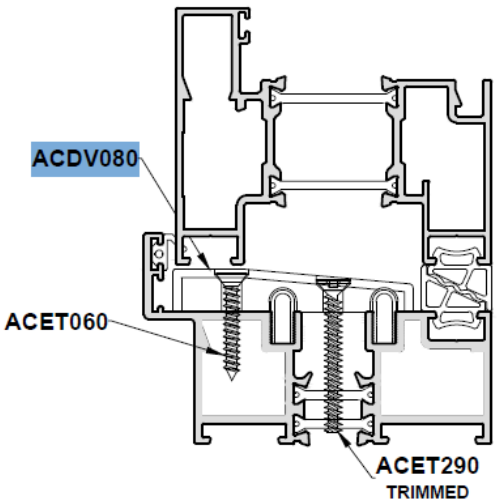
Adjustable Jamb

1. The adjustable jamb consists of three key parts. DV551(Outeframe Adaptor x2) , DV553 (Adjusting Jamb) and ACDV558 (Adjustment Bracket).
2. The whole assembly will come prefixed to the correct jamb.
3. Before fixing the frame you will need to undo the dead fixings, and remove the Adjusting Jamb and Adjustment Bracket.
4. You can then fix through the polyamide between the two Outerframe Adaptors.
5. Relocate the Adjustable Jamb, and redo the dead fixings.
6. To adjust, loosen the dead fixings highlighted below and use a 4mm allen key to adjust as required.
7. Retighten all fixings once complete.

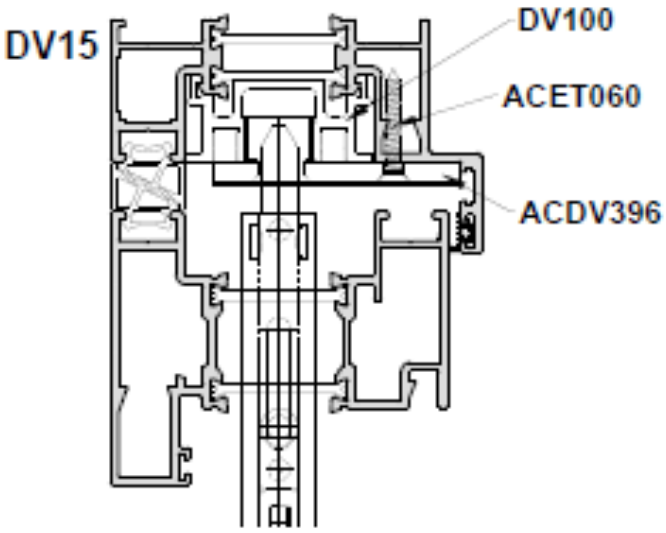


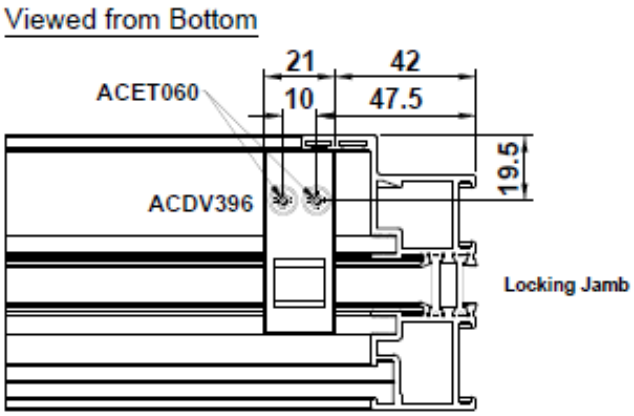
Hang the Doors

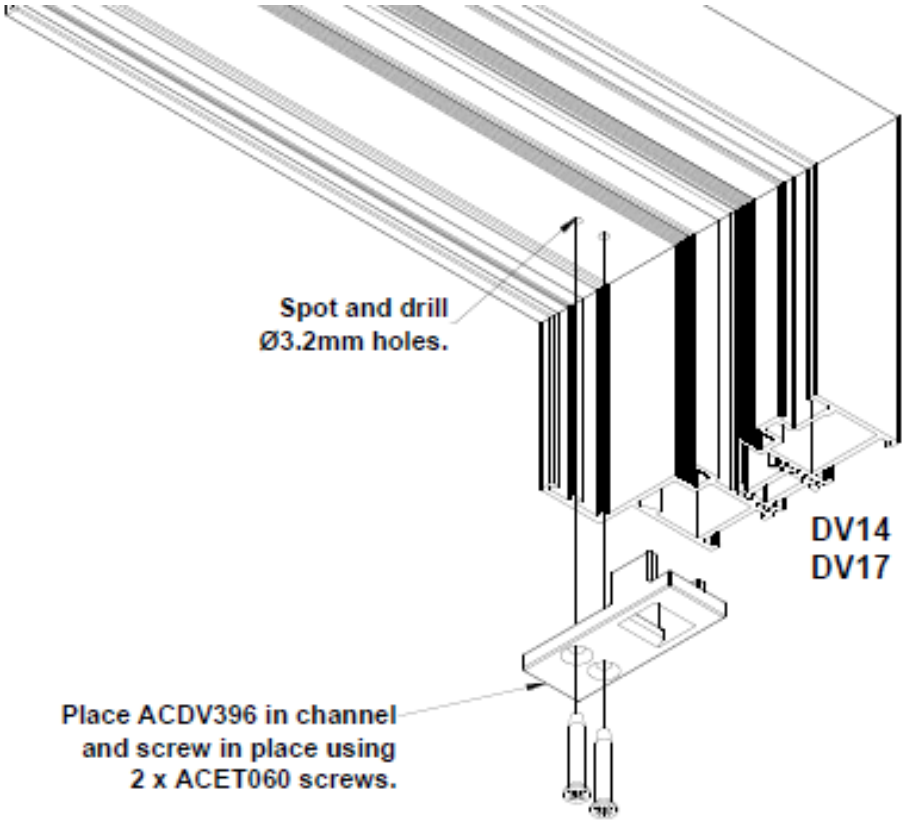
1. Fit hinge/roller assembly to doors onto frame plate. Do not over torque.
2. Locate door within frame. Either remove one set of wheels or lift in at an angle to locate.
3. Once located, check the doors are level, and confirm all screws are tightened fully.
4. Repeat process on other doors.
5. For master leaves, run up blocks (ACDV080) have been provided. These are installed along the base to the inside of the locking keep. Once the doors have been hung



6. On master leaves over 2300mm, the doors require a shoot bolt for full compression under locking. These must be fitted on site due to adjustments that may be required during fitting. Fit once door is adjusted full. Details on next page:


DV15
DV100
ACET060
ACDV396


Viewed from Bottom
21
42
10
47.5
ACET060
19.5
ACDV396
Locking Jamb


Spot and drill
Ø3.2mm holes.
DV14
DV17
Place ACDV396 in channel
and screw in place using
2 x ACET060 screws.

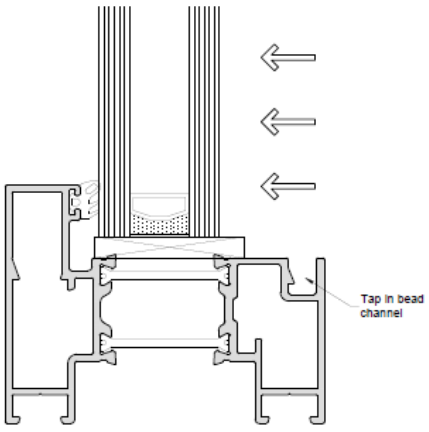
Glazing and Adjustments

1. Lift glass into sash.
2. At the head of the sash there is a glass adjustment device. Use L Packer and Reinforcement Plate here to Toe & Heel (diagram 1 on next page)
3. Pack the base of the glass as you would normally for Toe & Heeling (diagram 2 on next page)
4. With the doors slightly open, use a 4mm Allen Key in the pre-fitted glass adjustment device to Toe & Heel as required.

WARNING:

- Ensure the glass does not make contact with the sash.
- Ensure reinforcement plate is beneath grub screw of glass adjuster.

1. Place the glass unit within the sash, ensuring it is fully pushed forwards to engage compression of the E Gasket.
2. Beginning with the horizontal beads, locate the bead clip into the channel of the sash as shown below. The top gasket fin may rest against the glass but ensure it does not roll over. (a little spray of glass cleaner may aid the installation of beads by reducing the friction of the gasket against the glass)
3. Apply firm pressure to the bead to hold in place, this may cause the bead to lock into place.
4. Using a nylon mallet, tap the bead into the channel, working from one end to the other, taking care to avoid damaging either the bead of glazing unit.
5. When repeating the vertical beads, it may be easier to use a small clamp to hold one end of the bead in place as you work along.



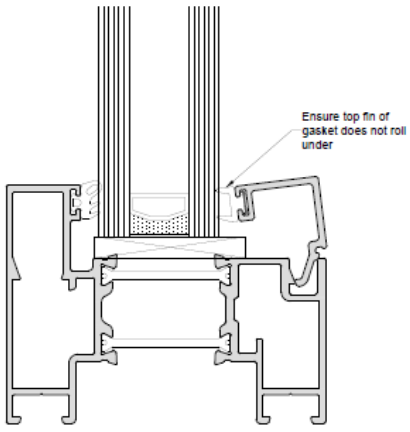


Diagram 1

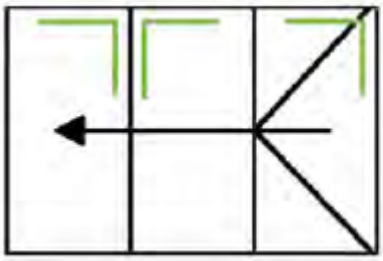
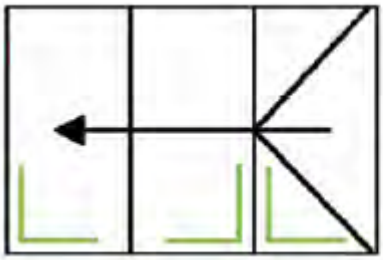
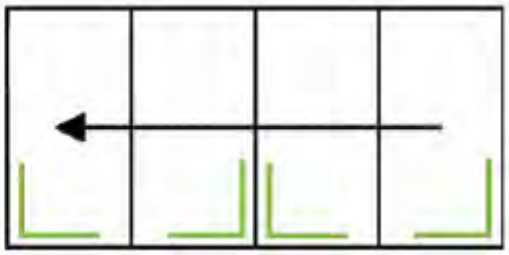


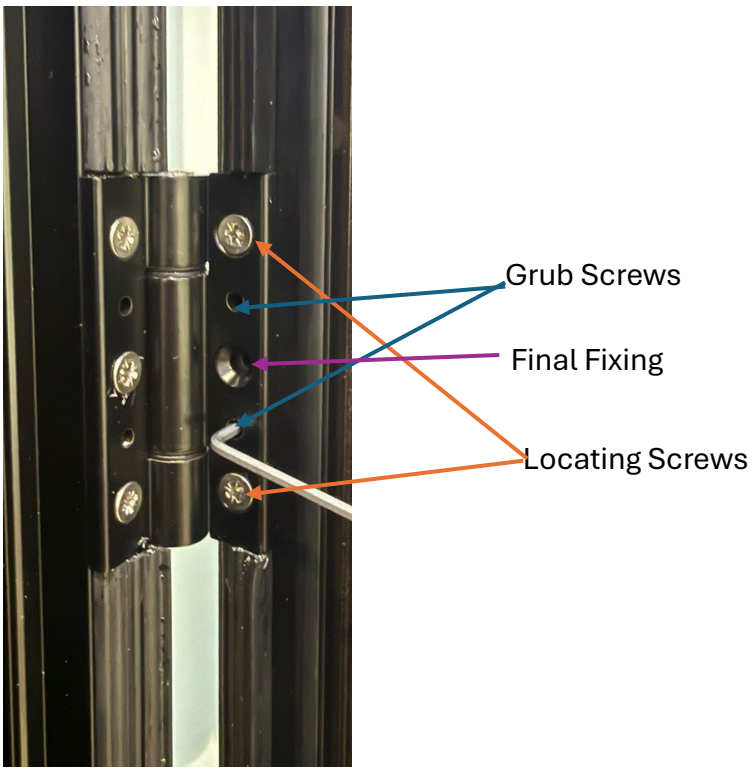
Diagram 2

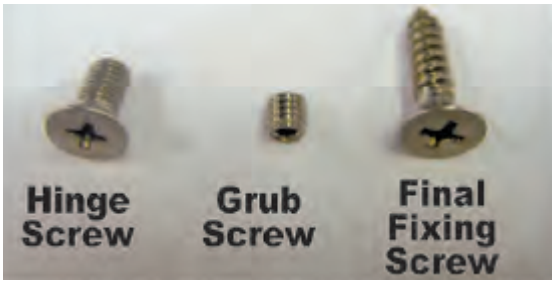




Adjusting Hinges

1. Open the doors, ensuring they are full supported.
2. Loosen the locating screws. (these are short and prone to falling out)
3. Use 2.5mm Allen Key to loosen grub screws.
4. Lift Hinge up/down as required.
5. Retighten grub screw and locating screws.
6. Once in correct position, complete with final fixing screw.





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Adjustable Bottom Roller

The Bottom Hinge/Roller is adjusted by removing the black plastic cap, and inserting a 5mm Allen key and rotating the spindle anti-clockwise to lift the door.



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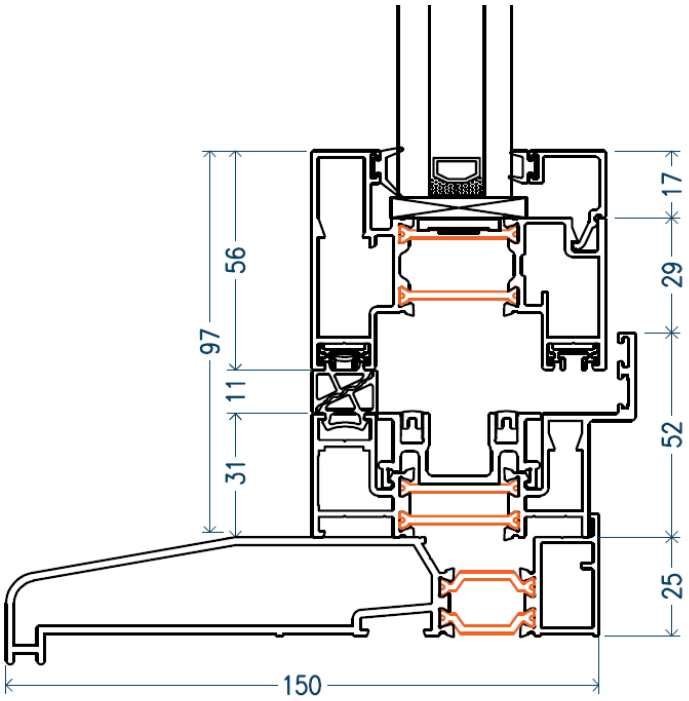
Installation Checklist

Frame will fits into opening without distortion	☐
Bottom of frame fixed straight and level	☐
Side Fixed Plumb	☐
Head fixed straight and level	☐
Ensure outerframe is true and square	☐
All Sashes Toe and Heeled Square	☐
Lock Operation tested and working	☐

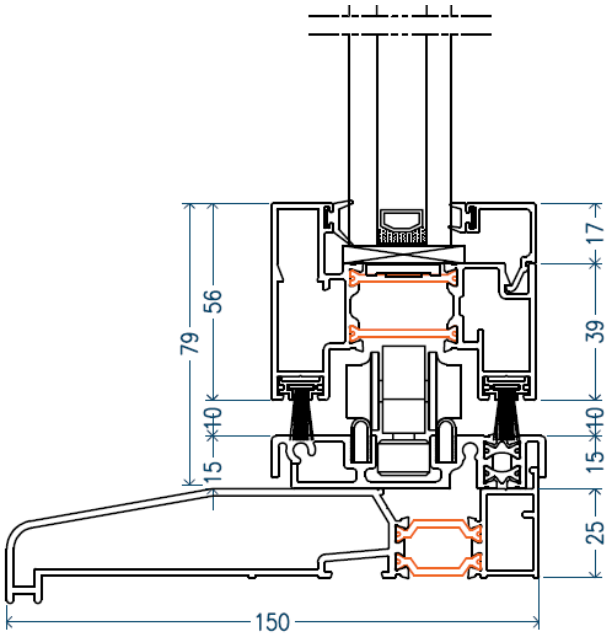
This is very important as time spent ensure these details are completed will save countless hours trying to adjust a door later!

Standard Threshold:



Vertical Section

Low Threshold:



Vertical Section

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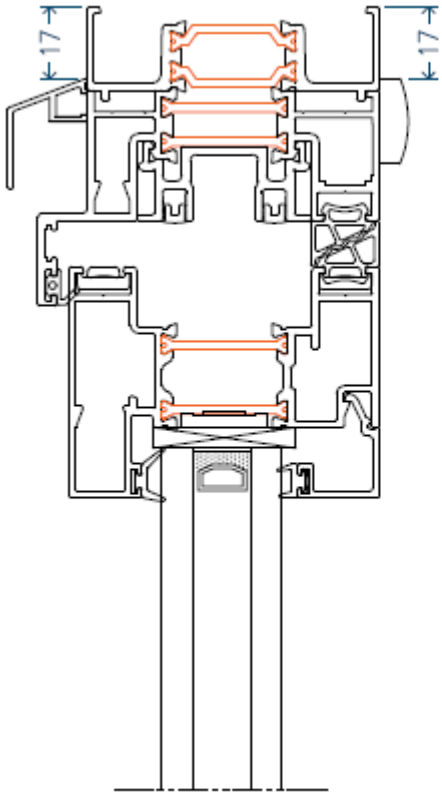
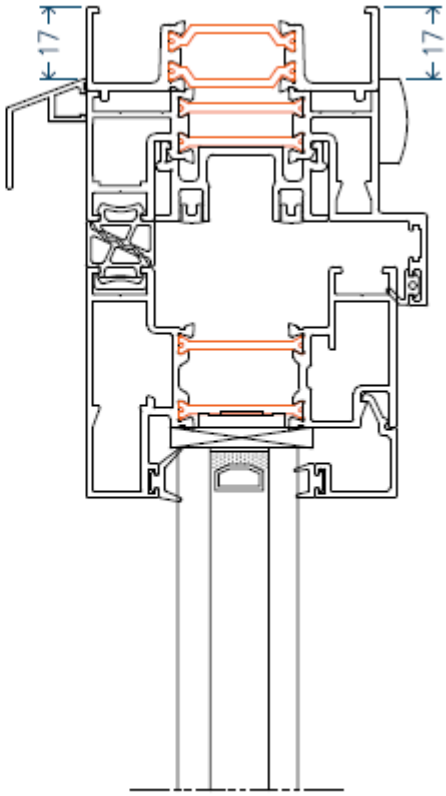
Trickle Vent:



Modeal Bifold (Open in)



Modeal Bifold (Open Out)