

Slide and Fold



visTA SL

Assembly and Installation Guide

CONTENTS

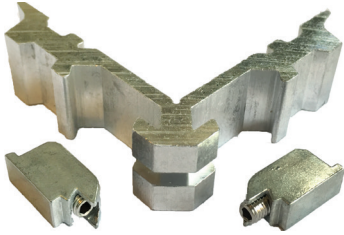

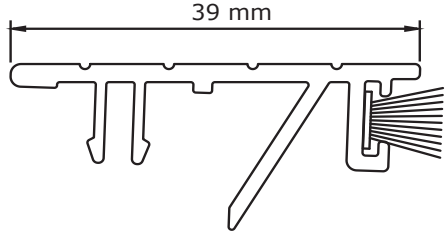

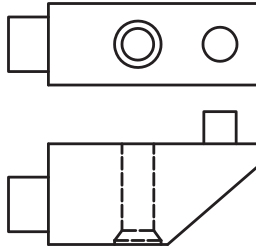
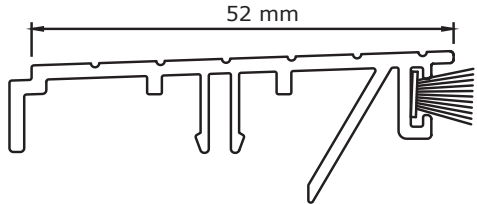
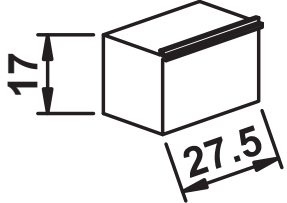

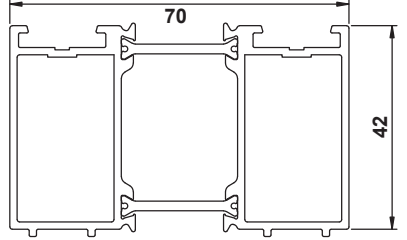
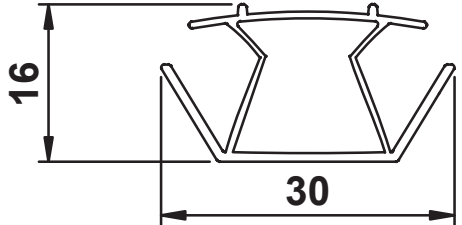

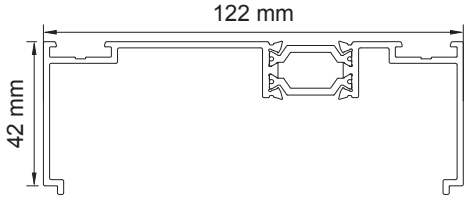
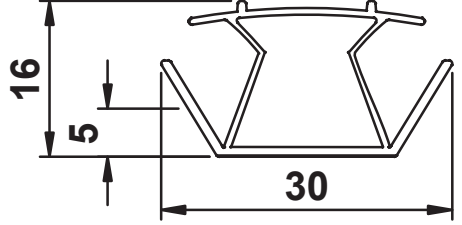

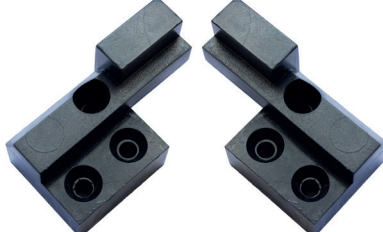


- 3 Frame and Cill Sections
- 4 Components
- 5 Drainage Paths
 - » Twin Track Doors
 - » Triple Track Doors
- 7 Frame Assembly: Twin Track : Styles [X-O], [O-X], [X-X], [O-X-X-0], [X-X-X-X]
- 8 Frame Assembly: Triple Track: Styles [X-X-O], [O-X-X], [XM-X-X], [X-X-XM]
- 9 External Cill Sealing and Frame Installation
- 10 Sash Installation.
 - » 1: Bottom Anti Lift Blocks [ACGSL1030]
 - » 2: Door Sash Installation
 - » 3: Top Anti Lift Blocks [ACGSL1030]
 - » 4: Thermal Corner Blocks [ACGSL1050]
 - » 5: Thermal Bridges [GSL050]
 - » 6: Thermal Bridges [GSL051]
 - » 7: Fixed Sash Stop Blocks [ACGSL1035]
 - » 8: Threshold Covers [GSL1014] and [GSL 015]
 - » 9: Door Handles [0770-2000]
 - » 10: Door Stop [ACUN348]
 - » 11: Testing
 - » 12: Trickle Vents [TTF2500]
 - » 13: Caps [ACGSL020] and [ACGSL045]
- 15 Detailed Patio Configurations
 - » Style X-O
 - » Style O-X
 - » Style X-X
 - » Style O-X-X-O
 - » Style X-X-X-X
 - » Style X-X-O
 - » Style O-X-X
 - » Style XM-X-X
 - » Style X-X-XM
 - » Style O-X-X-X-X-O
 - » Style X-X-X-X-X-X
- 20 Detailed Cill and Frame Installation Details
 - » Twin Track : 150 Cill : Direct Brickwork Fix
 - » Twin Track : 150 Cill : 30mm Over Cavity : Fixing Strap
 - » Twin Track : No Cill : Direct Brickwork Fix
 - » Twin Track : No Cill : 30mm Over Cavity
 - » Triple Track : 190 Cill : 40mm Over Cavity : Fixing Strap
 - » Triple Track: No Cill : 40mm Over Cavity
- 23 Fixing Straps

FRAME AND CILL SECTIONS

IMAGE	PART CODE	QTY
	GSL1010 Twin Track Outer Frame	Top 1 Bottom 1 Left 1 Right 1
	GSL1012 Triple Track Outer Frame	Top 1 Bottom 1 Left 1 Right 1
	ETC 178 Stub Cill Only if ordered	1
	ETC 157 150mm Cill Only if ordered	1
	ETC 158 190mm Cill Only if ordered	1
	ETC 179 225mm Cill Only if ordered	1

COMPONENTS

The below components will be in your parts box, with the exception of GSL051, GSL050, GSL1014, GSL1015 and frame extensions, which **if required** will be in your frame pack. Quantities are specific to the door ordered and will be listed on your delivery note.

ACSL013A - CORNER CLEAT	ACGSL020 - COVER CAPS	GSL1014 - THRESHOLD COVER
		
ACGSL1030 - ANTI LIFT BLOCK	ACUN348 - STOP	GSL1015 - THRESHOLD COVER
		
ACGSL1050 - CORNER BLOCK	ACGSL045 - DRAINAGE CAP	DV515 - FRAME EXTENSION
		
GSL050 - THERMAL BRIDGE	ACET060 - 3.9MM X 25MM SCREW	GSL1056 - FRAME EXTENSION
		
GSL051 - THERMAL BRIDGE	3535EDPCM6 - CYLINDER	ACGSL1035 - FIXED SASH STOP
		
TTF2500 - TRICKLE VENTS		0770-2000 - PATIO HANDLES
		

DRAINAGE PATHS

Twin Track Doors

- Before commencing the installation of the frame, ensure you have considered how water will escape from the threshold. This is critical to avoid leaks.
- Image A shows the drainage path with a 150mm cill. Both the frame and cill allow for the removal of water. A projection of 50mm over the face of the brickwork is recommended. As water drains through the frame and then cill, it is essential that the cill is sealed as shown on page 9 to prevent water ingress. When a stub cill is used, the frame will be face drained as image B.
- Image B shows the drainage path without a cill. Place a lead flashing or damp proof membrane with an up stand between the frame and brickwork.
- If decking or any other external floor covering is to be butted up against the frame do not block the drainage outlets and allow for an "ACO" drainage channel system.

Image A

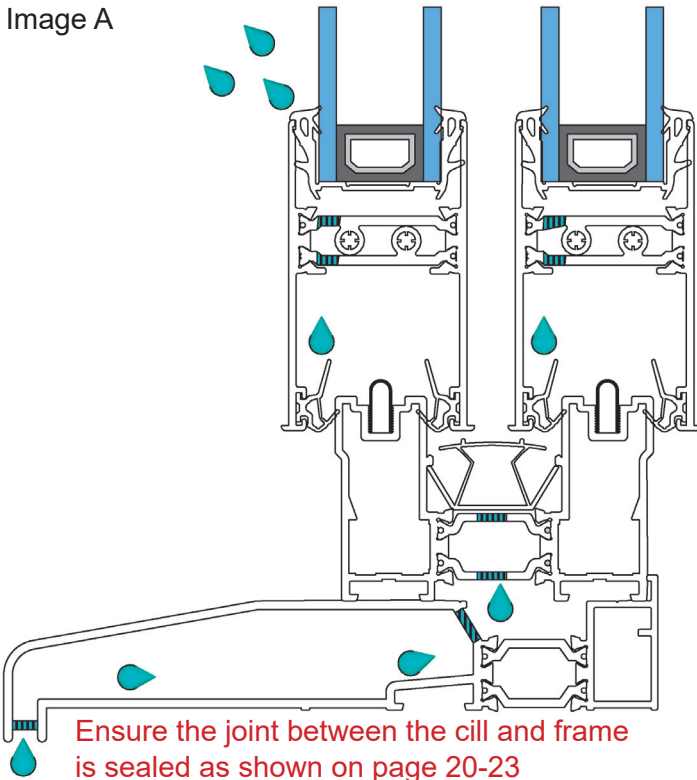


Image A

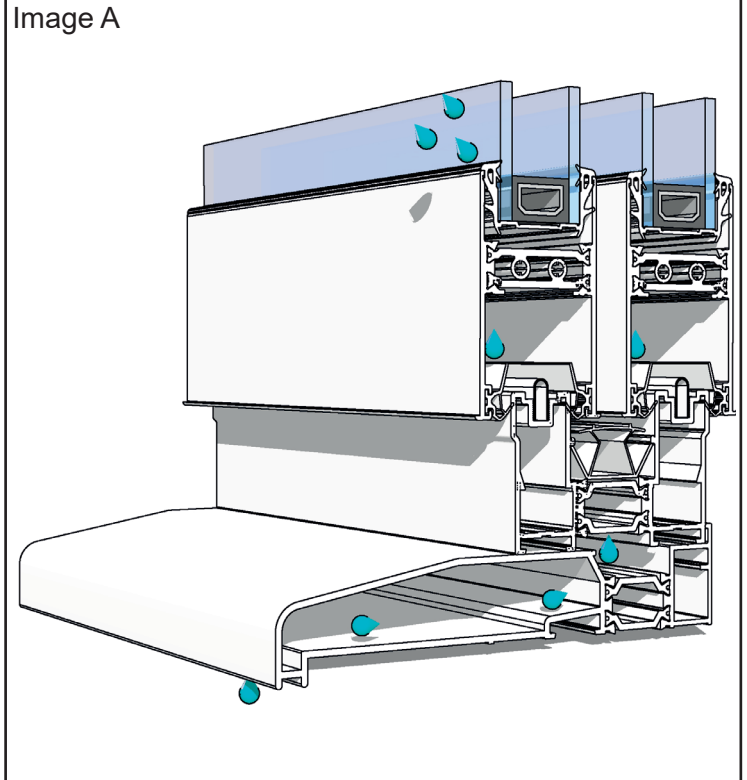


Image B

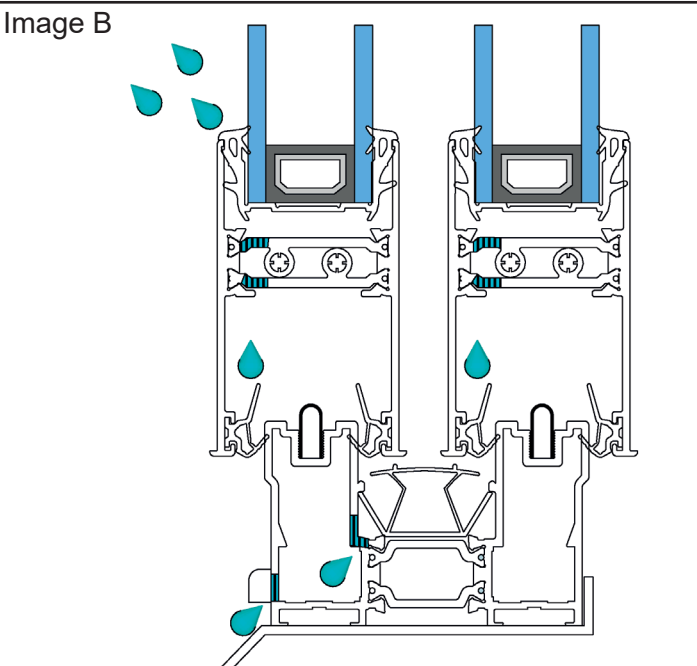
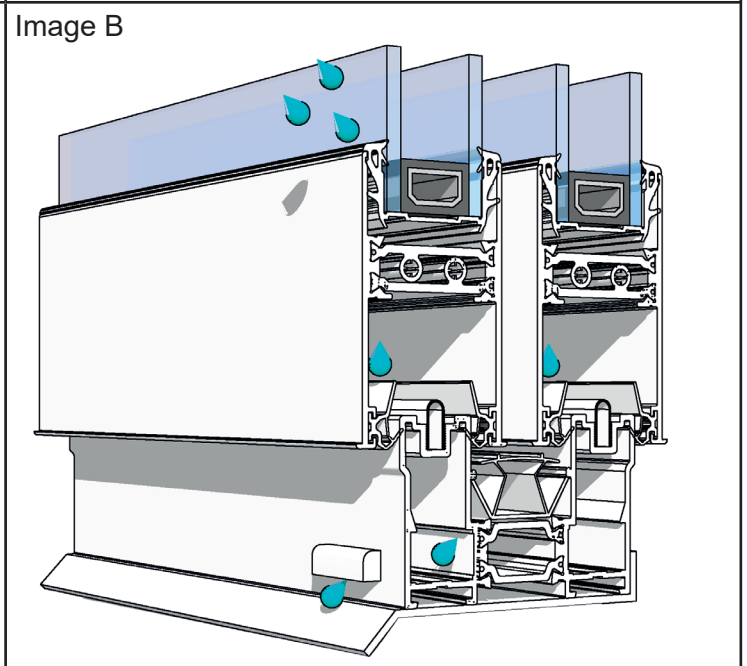


Image B



Prior to fitting the ACSL013A cleat to the bottom front corners, pump silicone past the end point of the cleat. See page 7

With no cill use a lead tray or membrane to stop water travelling back or damaging brickwork

DRAINAGE PATHS

Triple Track Doors

- Before commencing the installation of the frame, ensure you have considered how water will escape from the threshold. This is critical to avoid leaks.
- Image A shows the drainage path with a 190mm cill. Both the frame and cill allow for the removal of water. A projection of 50mm over the face of the brickwork is recommended. As water drains through the frame and then cill, it is essential that the cill is sealed as shown on page nine to prevent water ingress. When a 225mm cill is used, the frame will be face drained as image B.
- Image B shows the drainage path without a cill. Place a lead flashing or damp proof membrane with an up stand between the frame and brickwork.
- If decking or any other external floor covering is to be butted up against the frame do not block the drainage outlets and allow for an "ACO" drainage channel system.

Image A

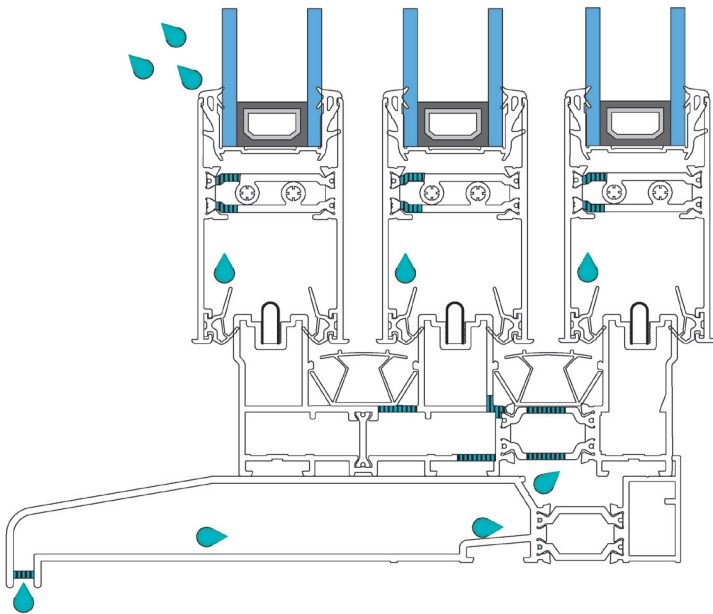


Image A

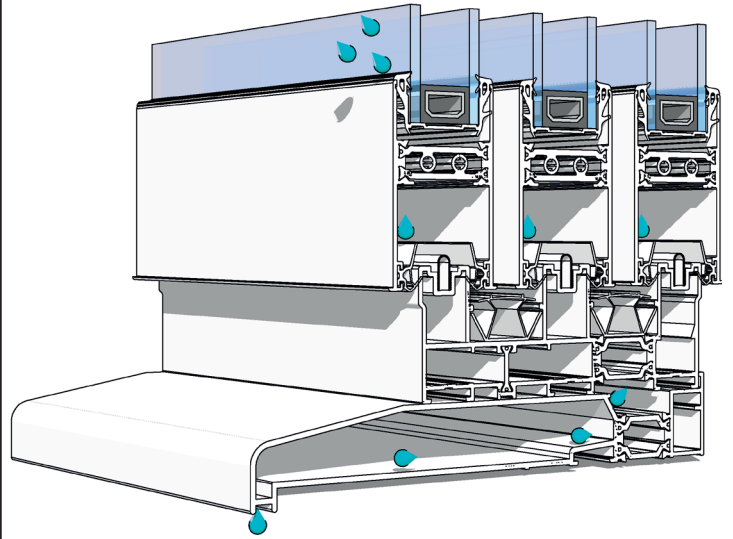


Image B

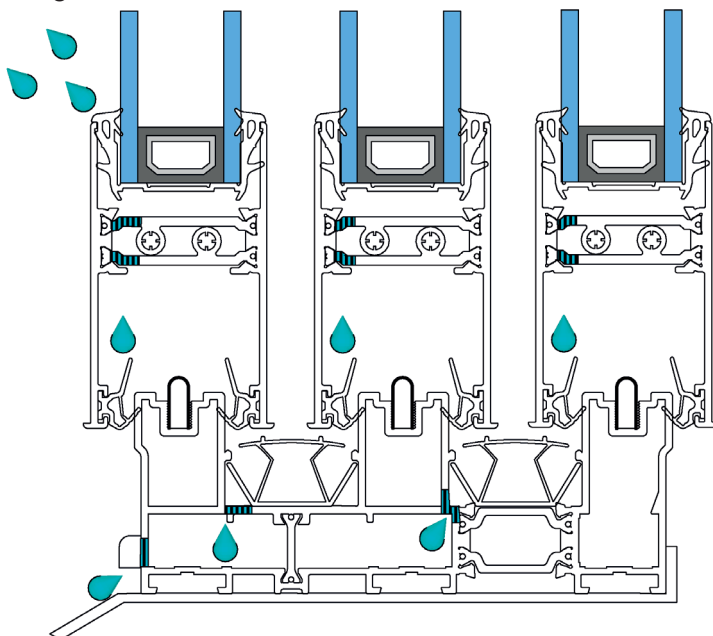
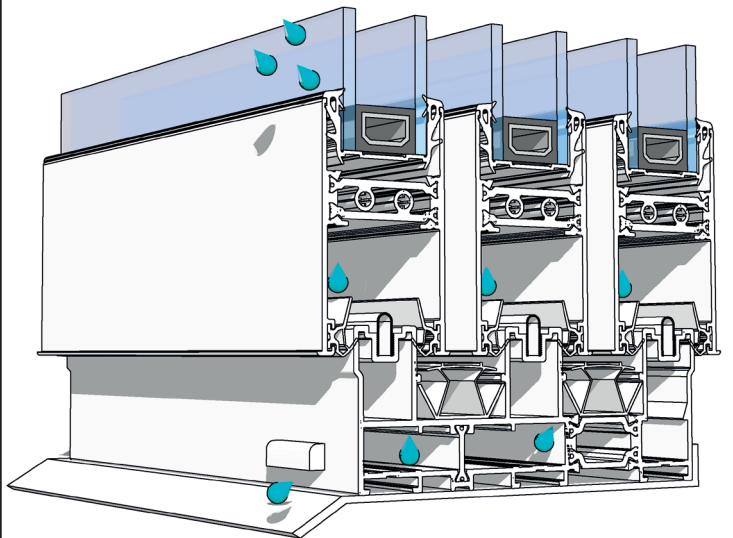


Image B



Prior to fitting the ACSL013A cleat to the bottom front corners, pump silicone past the end point of the cleat. See page 8

With no cill use a lead tray or membrane to stop water travelling back or damaging brickwork

READ THESE INSTRUCTIONS IN FULL BEFORE INSTALLATION

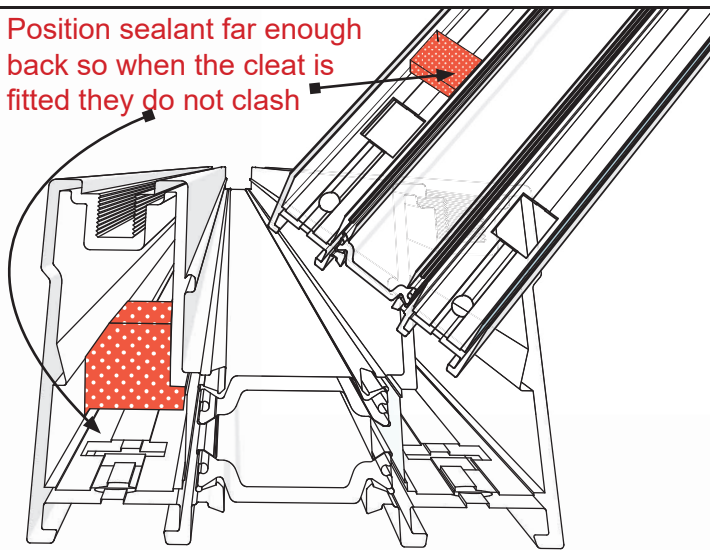
Important! Before commencing the removal of your existing frame or assembly of your new VisTA **SL** patio door you must ensure that all parts listed on your delivery note and shown in this assembly guide are present.

FRAME ASSEMBLY: TWIN TRACK : STYLES [X-O], [O-X], [X-X], [O-X-X-O], [X-X-X-X]

**** ALL ITEMS ARE VIEWED FROM THE OUTSIDE****

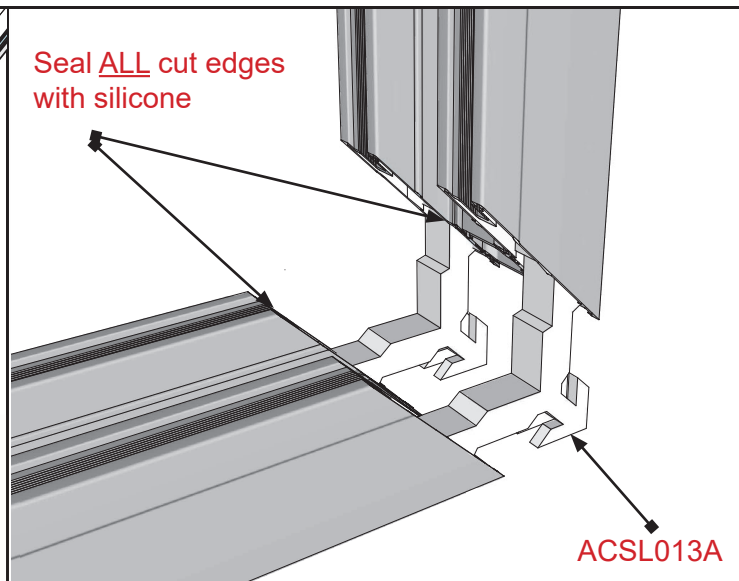
- Before attempting to assemble your frame ensure you have the handing of your frame [GSL1010] laid out correctly. On the outside of each frame is a production label stating its position i.e. top, bottom, left, right and sash position i.e. sash 1, 2, 3, 4. Refer to the patio configurations section.
- If no external cill is being fitted, the bottom frame section requires the front cleat pockets only to be pumped with silicone to prevent residual water travelling to the end of the frame and out of the tension block holes. For ease of assembly place the silicone beyond the end of where the cleat [ACSL013A] will finish.
- Apply silicone to **all** the cut edges (**not** just the outside edges) of the mitred joints of the frame [GSL1010]. It is important to ensure corners are water tight. If the joints are not sealed correctly leaks could occur.
- Take the four outer frame sections [GSL1010], eight mechanical corner cleats [ACSL013A] and sixteen tension blocks and assemble the frame with a 2.5mm allen key, on trestles or a debris free flat surface.
- The corners after tensioning must be square with no steps in the internal corners. After assembly check that your frame is square by measuring the diagonals with a tape measure. If they are the same seal the tension blocks and allen key holes on the outside, then continue to cill installation and sealing on page 9. If the frame is not square adjust until correct before proceeding to the next step.

Position sealant far enough back so when the cleat is fitted they do not clash



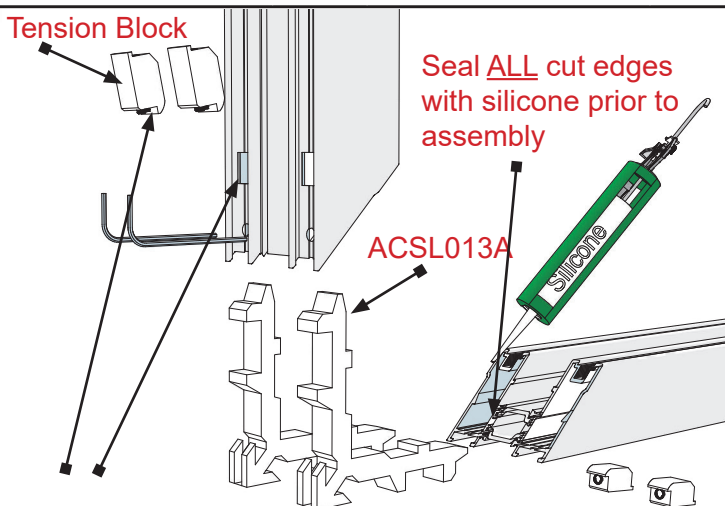
Front Pockets Only Needs Sealing

Seal **ALL** cut edges with silicone



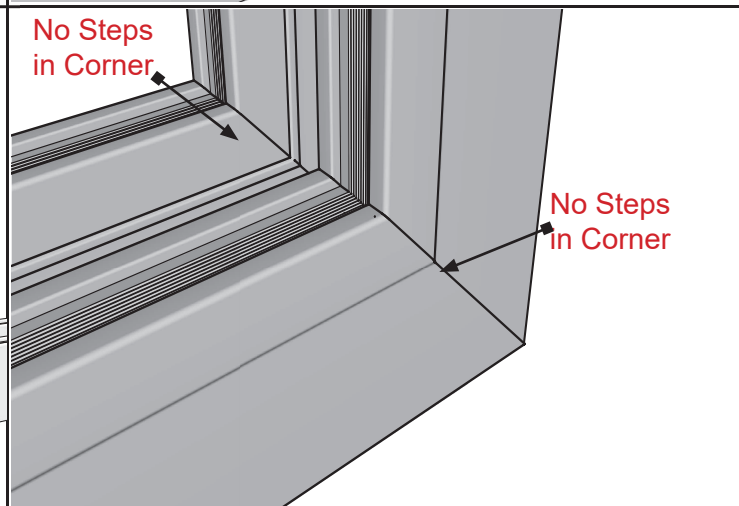
ACSL013A

Tension Block



After the frame is square and diagonals checked seal the outside of the tension blocks and holes

No Steps in Corner



No Steps in Corner

Ensure there are no steps in the frame and all joints are fully closed. Clean all joints of excess silicone.

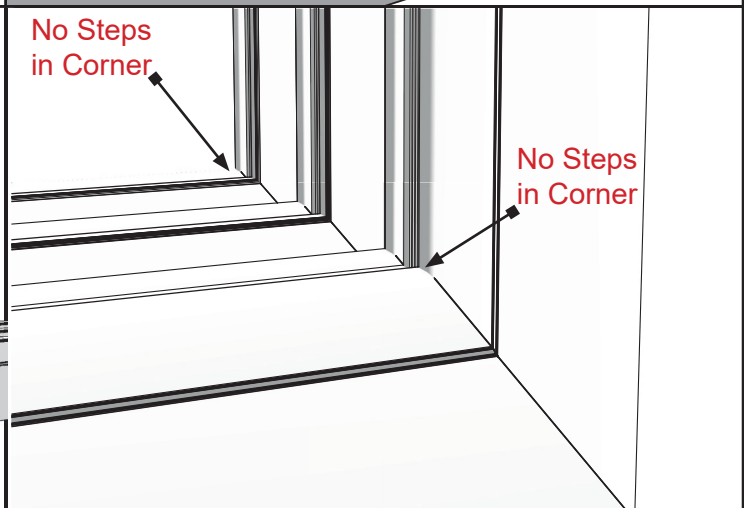
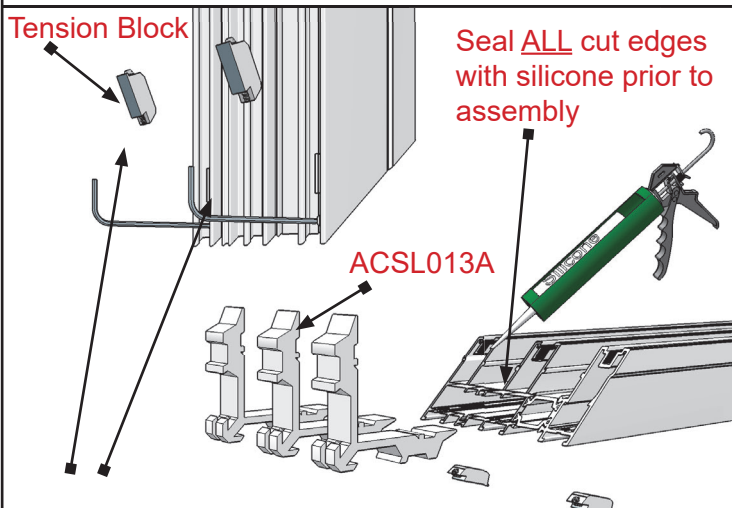
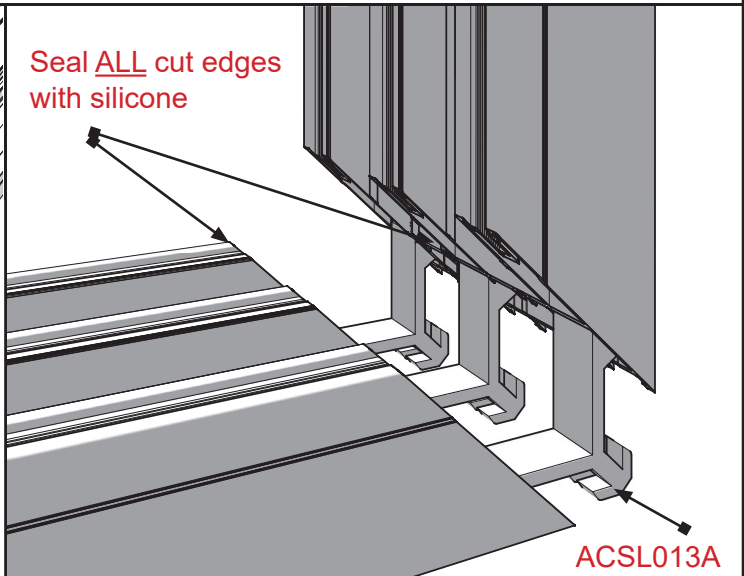
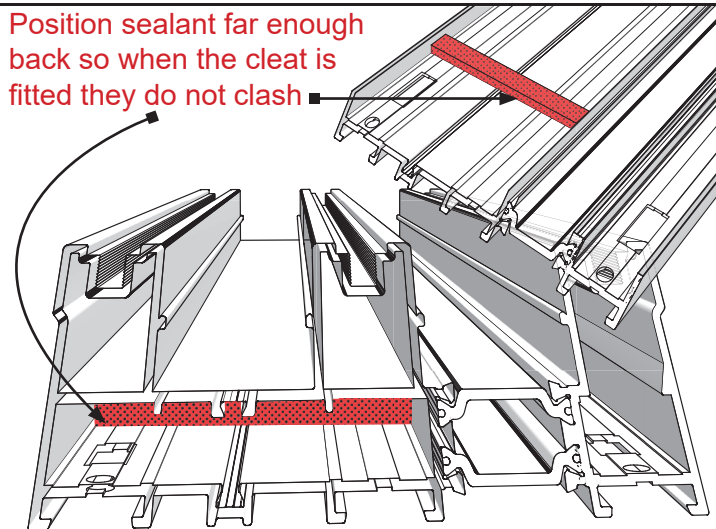
READ THESE INSTRUCTIONS IN FULL BEFORE INSTALLATION

Important! Before commencing the removal of your existing frame or assembly of your new VisTA **SL** patio door you must ensure that all parts listed on your delivery note and shown in this assembly guide are present.

FRAME ASSEMBLY: TRIPLE TRACK: STYLES [X-X-O], [O-X-X], [XM-X-X], [X-X-XM]

***** ALL ITEMS ARE VIEWED FROM THE OUTSIDE *****

- Before attempting to assemble your frame ensure you have the handing of your frame [GSL1012] laid out correctly. On the outside of each frame is a production label stating its position i.e. top, bottom, left, right and sash position i.e. sash 1, 2, 3, 4, 5, 6. Refer to the patio configurations section.
- The bottom frame section **always** requires the front cleat pockets only to be pumped with silicone to prevent residual water travelling to the end of the frame and out of the tension block holes. For ease of assembly place the silicone beyond the end of where the cleat [ACSL013A] will finish.
- Apply silicone to **all** the cut edges (**not** just the outside edges) of the mitred joints of the frame [GSL1012]. It is important to ensure corners are water tight. If the joints are not sealed correctly leaks could occur.
- Take the four outer frame sections [GSL1012], twelve mechanical corner cleats [ACSL013A] and sixteen tension blocks and assemble the frame with a 2.5mm allen key, on trestles or a debris free flat surface. The centre cleat is for alignment only and **no tension block** is required.
- The corners after tensioning must be square with no steps in the internal corners. After assembly check that your frame is square by measuring the diagonals with a tape measure. If they are the same seal the tension blocks and allen key holes on the outside, then continue to cill installation and sealing on page 9. If the frame is not square adjust until correct before proceeding to the next step.

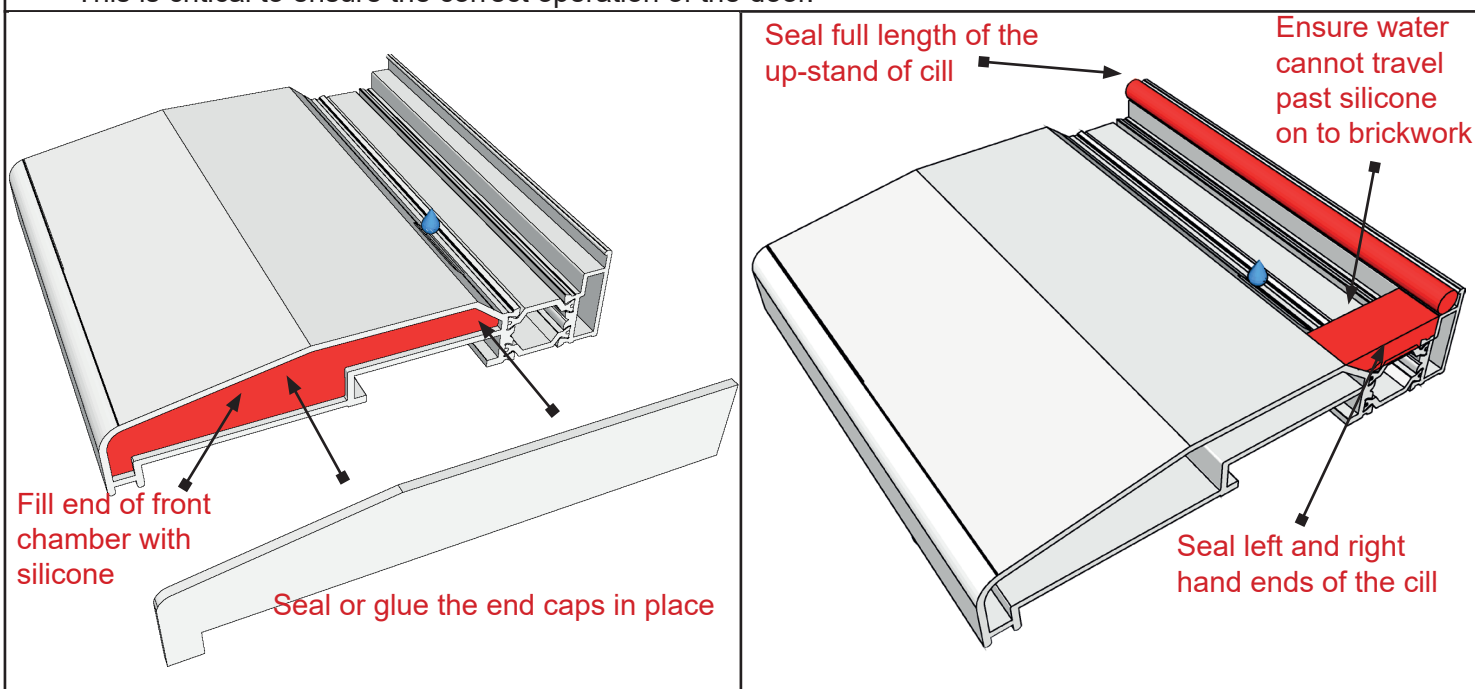


After the frame is square and diagonals checked seal the outside of the tension blocks and holes

Ensure there are no steps in the frame and all joints are fully closed. Clean all joints of excess silicone.

EXTERNAL CILL SEALING AND FRAME INSTALLATION

- a. Before commencing with installation check the reveal is clear of debris.
- b. Take the external cill and pump silicone into both ends of the front chamber. This prevents water that drains through the cill from travelling to the corners of the brickwork reveal.
 - * This applies to all cill sizes.
 - * **IMPORTANT** use a high quality low modulus silicone.
 - * Seal or glue the end caps in place.
- c. The next step is to fit the cill **only** to the brickwork. Prior to fixing the cill check that when it is later coupled to the frame that it fits into the opening square, with adequate clearance. For CAD drawings of your specific cill and frame installation, go to the detailed cill and frame installations on page 20-23.
 - * Fix with concrete screws or optional fixing straps, ACUN230 , ACUN232 or ACUN233.
 - * Fixing centres at no more than 600mm with screws and no more than 300mm with straps.
 - * The cill must be perfectly level without bows and solidly fixed.
 - * For large widths in addition to using a 6 foot level a taught plumb string line or laser level is required for accuracy.
 - * Ideally bed the cill on to mortar. If there are large gaps under the cill make sure they are packed with non-compressible materials such as slate.
 - * Seal the threads of all screws and the underside of screw heads with silicone to prevent any possible water ingress.
- d. Silicone must now be applied to the cill, prior to fitting the frame. Unless the water is channelled through the cill correctly by sealing critical areas, leaks may occur.
 - * Seal the full length of the up-stand of the cill.
 - * The left and right hand ends of the cill are sealed to prevent water travelling to the end of the reveals.
- e. Now fit the assembled frame onto the cill, so it beds into the silicone. Only fix the frame to the cill, **not** through to the brickwork below, or this will cause leaks. The pre-drilled holes in the base of the frame are for drainage, **they are not** fixing positions. For CAD drawings of your specific cill and frame installation, go to detailed cill and frame installations on page 20-23.
- f. Fix the remaining sections of frame into the brickwork and lintel.
 - * Fix with concrete screws or optional fixing straps, ACUN230, ACUN232 or ACUN233.
 - * Do not place fixings within 150mm of the corner.
 - * Fixing centres at no more than 600mm with screws and no more than 300mm with straps.
 - * Frame heights up to 2100mm should have a minimum of four fixings.
- g. Check the diagonals of the frame are equal, that there are no bows, twists or movement in the frame. This is critical to ensure the correct operation of the door.



DO NOT PRE FIT HANDLES, CYLINDERS OR STOPS

SASH INSTALLATION.

Installation of all VisTA **SL** sliding doors is the same for all configurations. The only difference between them is that the quantity of components will vary and some may not be required. Therefore the instructions may refer to parts or sashes that are not included with your order. Please strictly follow in order the steps below.

1: Bottom Anti Lift Blocks [ACGSL1030]

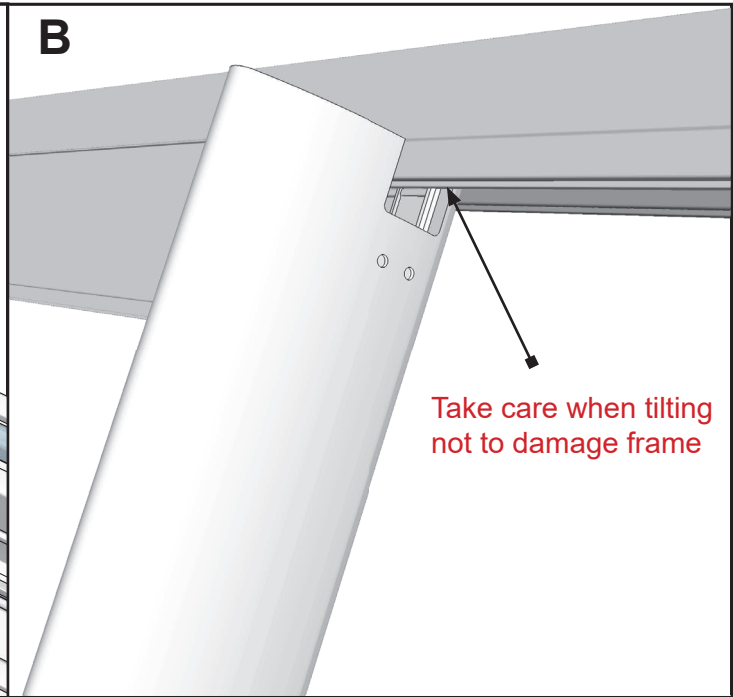
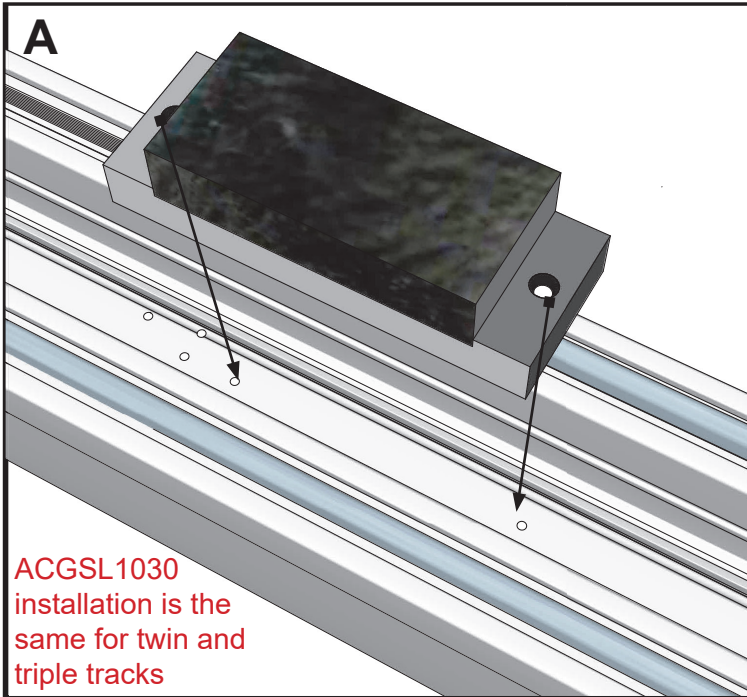
All VisTA **SL** patio doors require anti-lift security blocks to be fitted below and above where two sliding doors interlock. The quantity required is listed on the delivery note. Fit the bottom anti lift blocks [ACGSL1030] with ACET060 screws into the corresponding pilot holes in the bottom of the frame. **Do not fit** the top blocks at this stage. Seal both sides of the anti-lift blocks so any residual water in the frame channel is zoned into separate sections, which aids in effective drainage of the frame. [IMAGE A]

2: Door Sash Installation

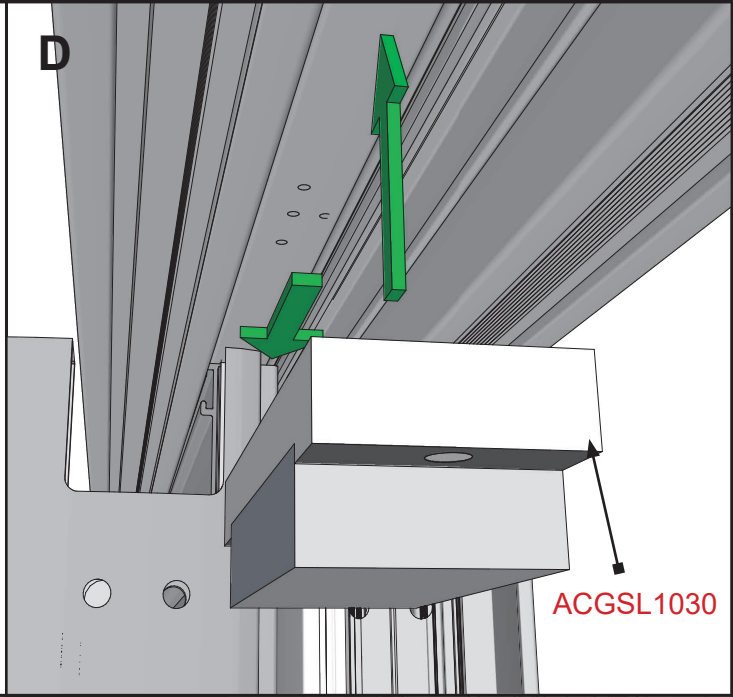
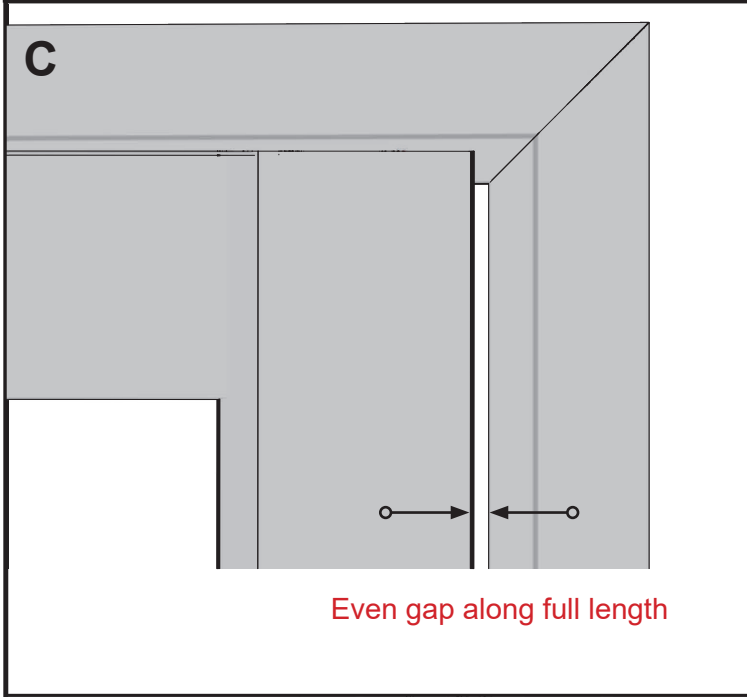
- i. Before attempting to install the patio sashes, consult the patio door configuration for your specific order. This will show track positions, where the doors should sit, sash number and the position of the reinforced wing. If you follow this layout you will not get the sashes installed in the wrong order.
- ii. For ease of sash installation, first place the external sash(es) outside the building aperture and the internal and middle door (if supplied) inside the property. Next whilst standing outside take the external sash(es) and position yourself in the centre of the frame aperture, **not the end** where the external sash(es) will finally sit. Then tilt the sash(es) up and into the outside track at the head of the frame and then back down, so the wheels sit on the steel track. External patio tracks vary in length, subject to order, and are illustrated in the patio configurations sections, which may mean your sash may straddle the track. To tilt the doors in with ease, make sure you have clear access. If the frame is blocked by scaffolding, you may not achieve the right angle to tilt the doors in. If you experience any difficulty in locating the sashes as described, this is an indication that either the bottom or head of the frame is bowed, causing a restricted opening. [IMAGE B]
- iii. Leave the external sash(es) centrally located, do not push back against the wall. Then whilst standing centrally inside the property take the main or middle sash, if supplied, ensuring that half the sash when installed is going to overlap the external sash(es) and the reinforced wing, if supplied, is facing to the outside. Only then tilt the door up into the relevant track position and down onto the relevant track. Then:
 - * For twin track doors you can then push the external sash(es) against the wall end.
 - * For triple track doors slide back the middle sash half way across the external sash(es) and repeat the process for the last sliding door sash(es).
- iv. Now all door sashes have been positioned, push the main internal sliding sash(es) **almost** closed to check the gap between the frame jamb or adjacent patio sash is even down its entire length [IMAGE C]. If the gap runs out check your frame is square or level. Adjust accordingly. For minor adjustments the wheels can be raised or lowered with a 5mm allen key to suit. The external sash(es) should sit tight against the jamb. If it is misaligned adjust as previously described. Do not proceed until the sliding and external or fixed sashes are aligned correctly.

3: Top Anti Lift Blocks [ACGSL1030]

With all doors now in position slide the door(s) away from the locking keep or adjacent doors, towards the fixed jamb (s) to expose the pilot holes at the head of the frame. Slide the remaining anti lift block(s) [ACGSL1030] into the gap between the frame and sash(es). Secure into place with ACET060 screws. No sealant is required. [IMAGE D]

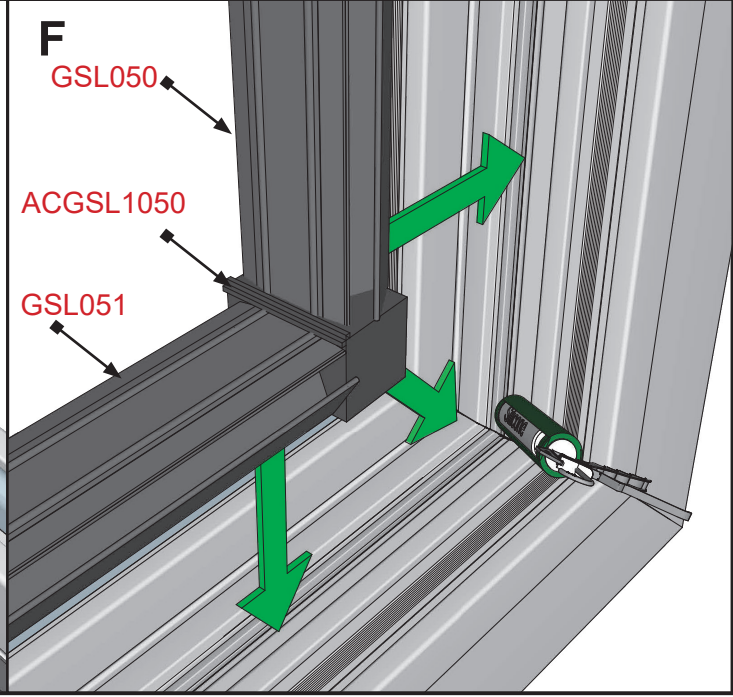
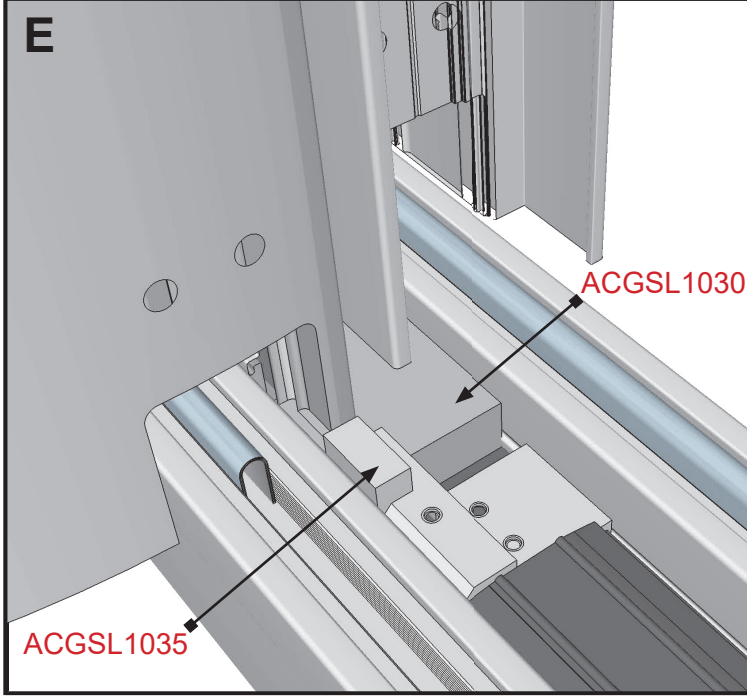


ACGSL1030 installation is the same for twin and triple tracks



Even gap along full length

ACGSL1030



ACGSL1035

GSL050
ACGSL1050
GSL051

4: Thermal Corner Blocks [ACGSL1050]

At this stage do not attempt to secure fixed external door(s), the thermal corner block(s) and thermal bridges have to be positioned first. Sliding the relevant door(s) open and apply silicone to the internal corners of the frame. Push and bed into the silicone the required corner blocks [ACGSL1050]. They should be a snug fit. The protruding lip of this block should face outwards [IMAGE F].

5: Thermal Bridges [GSL050]

Now fit the pre-cut **soft** thermal bridge(s) GSL050 into the upright jambs, between the ACGSL1050 corner blocks just installed. Then fit the remaining **soft** thermal bridge(s) to the head, **tight up against** the corner block(s) and between the pre-fitted anti lift block(s). If the GSL050 appears short in length, this is correct. The gap is where the sash stop block will be later fitted. The thermal bridge snaps into place behind the extruded line in the frame. To aid in fitting tilt one side of the bridge into the frame first so that side only snaps into place. Then push the remaining section into place. A timber wedge can be used to knock it into place. Do not directly hit with a hammer. Do not hit too hard as this will cause the section to break. If these elements have been stored outside in the cold they should be brought up to room temperature first [IMAGE F].

- * Do not fit the rigid GSL051 by mistake.
- * All thermal bridges are factory cut. Take care you fit them in the right place. Replacements will be charged.

6: Thermal Bridges [GSL051]

Now fit the pre-cut **rigid** thermal bridge(s) GSL051 into to the base **tight up against** the corner block(s) and between the pre-fitted anti lift block(s). If the GSL051 appears short in length, this is correct. The gap is where the sash stop block will be later fitted.

- * Do not fit the soft GSL050 by mistake.
- * All thermal bridges are factory cut. Take care you fit them in the right place. Replacements will be charged.

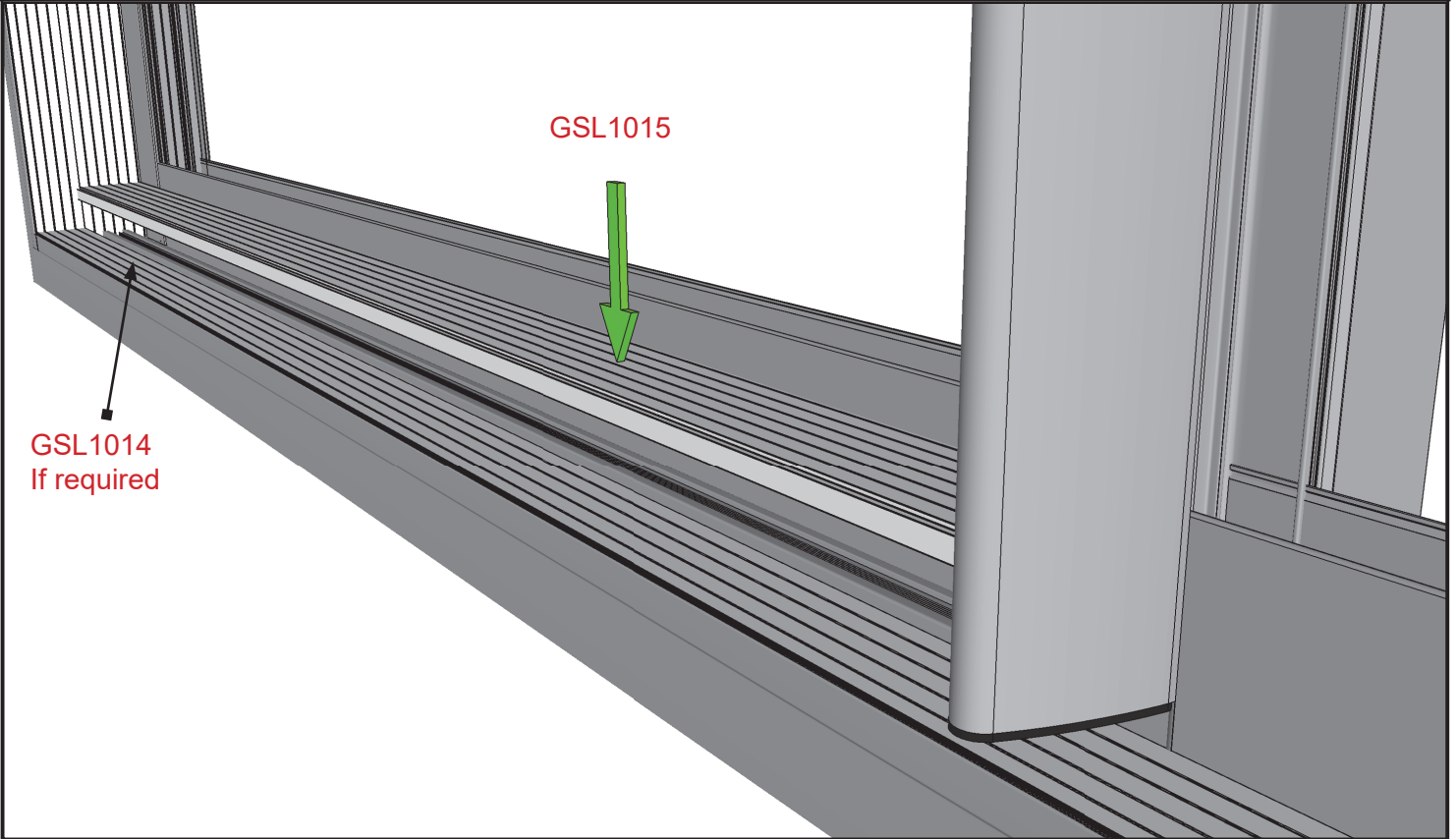
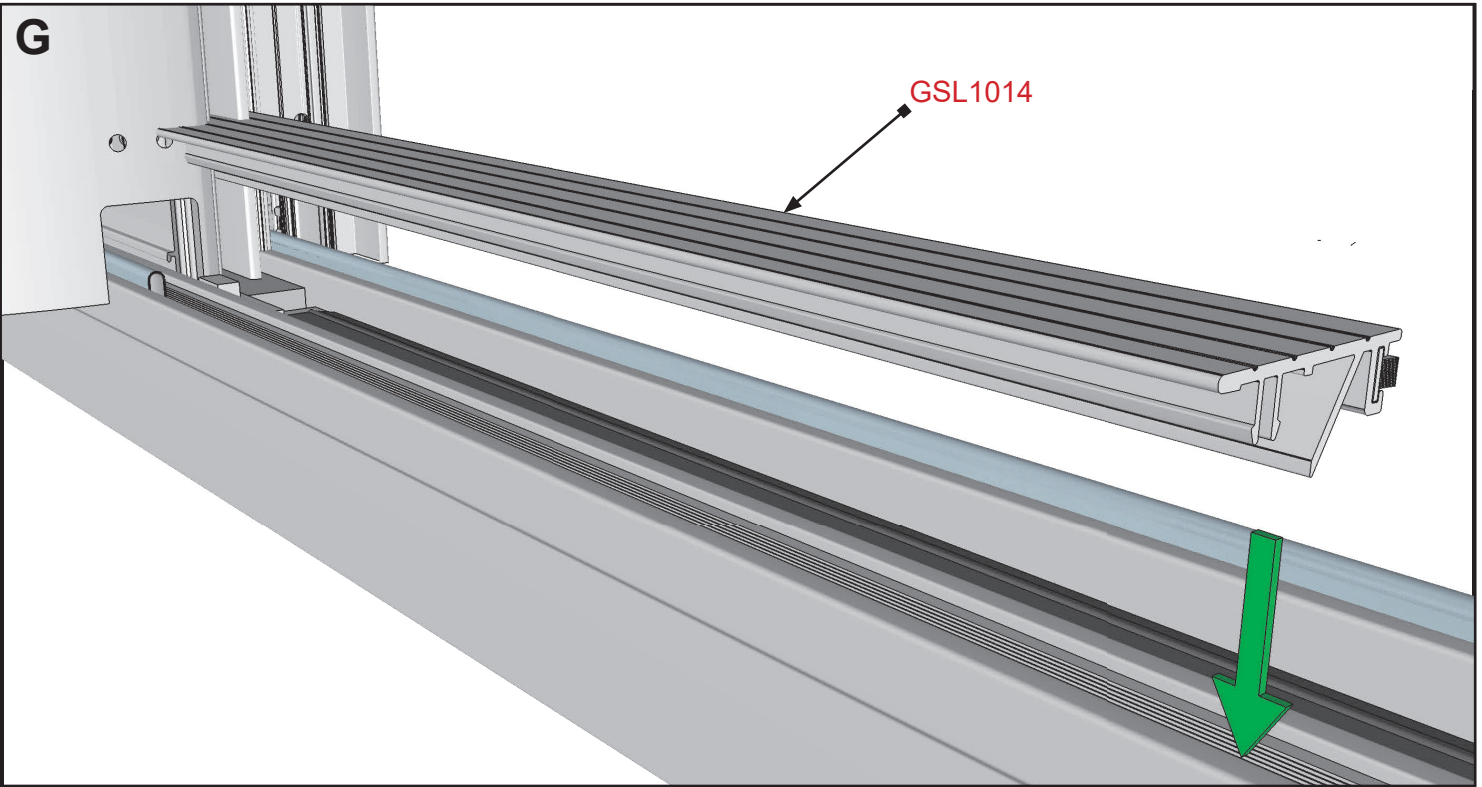
7: Fixed Sash Stop Blocks [ACGSL1035]

Fixed sash stop blocks [ACGSL1035] are only required on configurations with fixed external sash(es). Their exact position is shown in the detailed patio configurations. **If all doors slide skip this step.** With the fixed sash(es) pushed tight against the fixed jamb, fit handed fixed sash stops [ACGSL1035] with ACET060 screws into the pilot holes located at the top and bottom of frame. The handed leg of the blocks should fit tight against the fixed sash [IMAGE E]. With the fixed sash(es) now secure close the sliding doors, still without the handle(s) fitted, all the way home so closed. The sash(es) should fully close and be in alignment. If not re-track your steps and adjust.

8: Threshold Covers [GSL1014] and [GSL1015]

- The GSL1014 threshold covers are used both on twin and triple track doors, where there is a fixed sash(es). The GSL1015 threshold cover is **only** used on triple track doors, where there is a fixed sash(es). **If all doors slide skip this step.**
- On twin track doors **only** slide the main door(s) back open fully and fit the top and bottom clip cover [GSL1014] into the outer groove in the frame. This cloaks the thermal bridges just installed. Do not directly hit the cover with a hammer, use a block of wood or similar to spread the impact and protect the powder coated surface. If an upright jamb cover is required, take care when fitting that you do not mark the previously fitted top and bottom covers [IMAGE G].
- On triple track doors **only** slide the main door(s) back open fully and fit the top and bottom clip cover [GSL1015] first into the middle groove in the frame. This cloaks the thermal bridges just installed. Do not directly hit the cover with a hammer, use a block of wood or similar to spread the impact and protect the powder coated surface. If an upright jamb cover is required, take care when fitting that you do not mark the previously fitted top and bottom covers. Then fit the [GSL1014] if required to the outside track by the same method.

G



9: Door Handles [0770-2000]

- i. Fit the cylinder(s) into the lock(s) without screwing it in tight. Fit your handle(s) in position so the cylinder aligns with the outside face of the handle(s) and tighten all screws. The screws on the handle should face into the property.
- ii. The handles are handed, but come from the manufacturer all one hand. To achieve the opposite hand, unscrew the “D” sections of the handle and reverse and refit.

10: Door Stop [ACUN348]

Position the lug of the door stop(s) [ACUN 348] into the pre routed hole so that the rubber section faces the direction of the sliding door and fix with 3.9mm x 55mm screws.

11: Testing

- i. Test the sliding of the door(s) with handles fitted and the operation of the lock(s). If you have followed the previous outlined instructions your handle and lock will operate correctly. If the lock(s) is stiff to engage first check the sash is fully closed and the claws on the lock are aligned with the keep and not catching in any way, then re check all the previous steps if required. To aid in adjustment, the locking keep(s) have elongated holes to allow movement up and down if required. If all is satisfactory fit the remaining 3.9mm x 25mm screws into the remaining round holes in the locking keep to fix permanently.
- ii. On final satisfactory testing and inspection of the door apply construction foam to the perimeter of the door. After curing trim back and apply silicone. Remove the protective tape clean down the frames with mild soapy water. No abrasive chemicals should be used.

12: Trickle Vents [TTF2500]

Fit the trickle vents to the head frame extension.

13: Caps [ACGSL020] and [ACGSL045]

Finally fit the interlock cover caps [ACGSL 020] into the top and bottom of the interlocking sections. The caps will need trimming, if used in conjunction with GSL1014 and GSL1015. If the door was supplied without a cill or has a stub cill supplied fit the drainage caps [ACGSL045] into the slots in the bottom of the frame.

The installation of your new VisTA **SL** patio door is now complete.

Maintenance

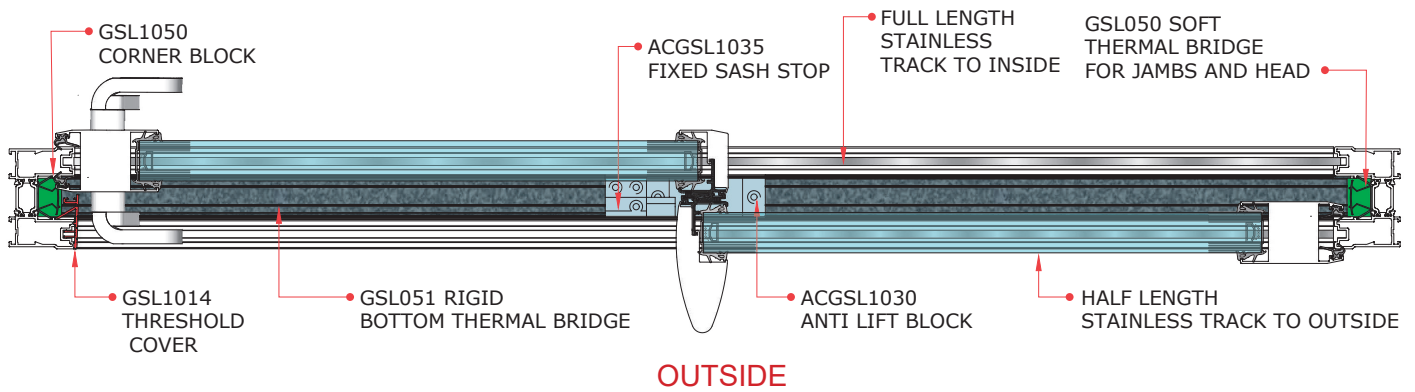
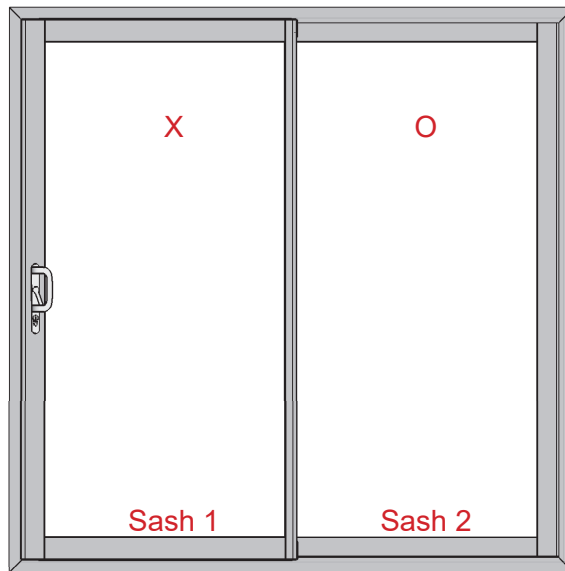
For continued performance of your new patio door and a lifetime of continued use please:

- i. Wash down the aluminium frame and glass at least twice a year.
- ii. Keep running track free from debris and clean at all times. Apply silicone spray lubricant to the track for continual smooth running over time.
- iii. The adjustment screws on the sliding wheels need lubricating once a year or winding in an out to the original position to prevent them from becoming stiff.
- iv. No lubrication is necessary at the lock point.
- v. Do not block the effective drainage of the frame with decking or external slabbing as this could cause water ingress into the property.
- vi. If at any time the door is not working as originally installed address the issues by adjusting the door as required. Please do not continue to operate with an operation issue as this may cause permanent damage.

DETAILED PATIO CONFIGURATIONS

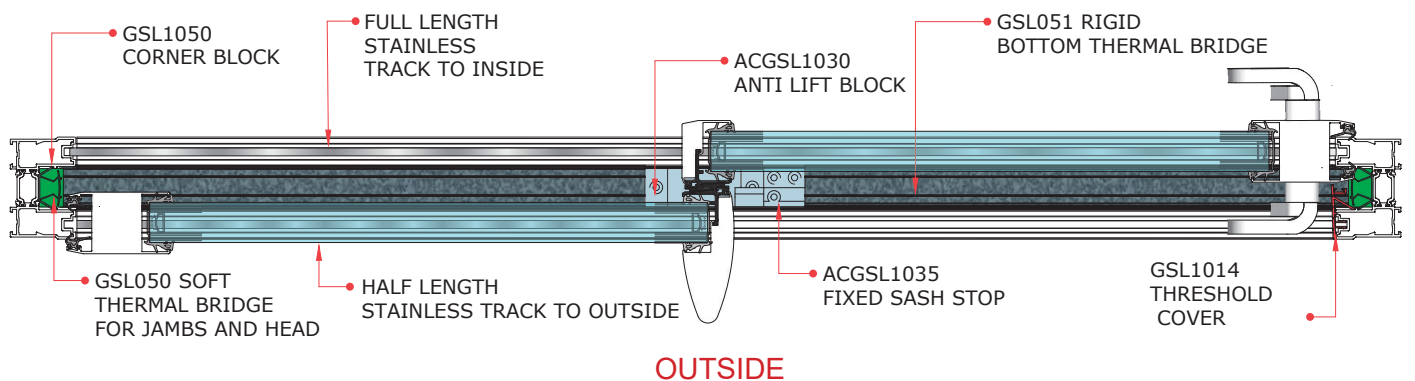
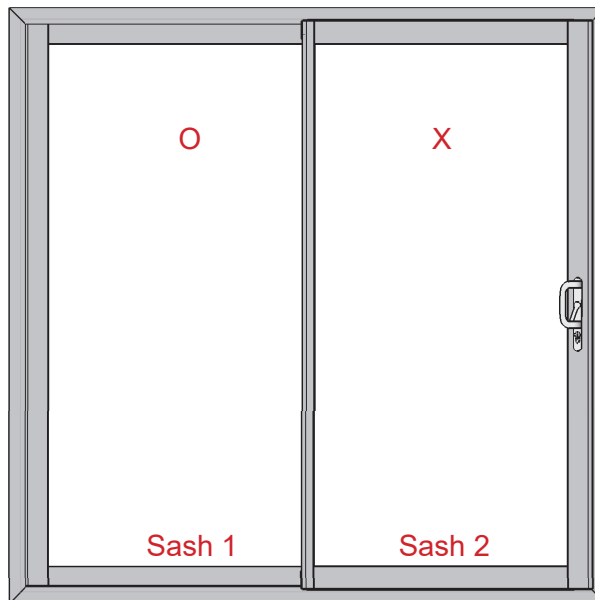
Style X-O

VIEWED OUTSIDE



Style O-X

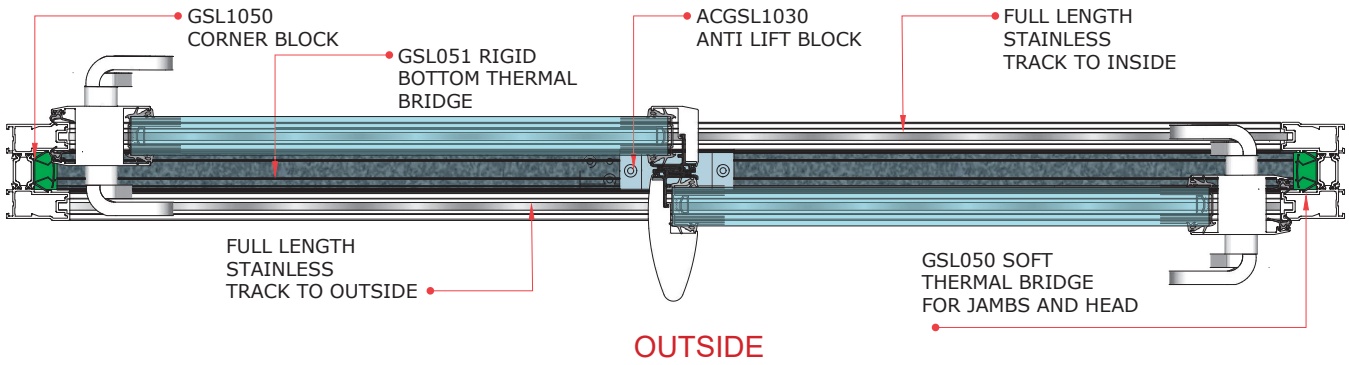
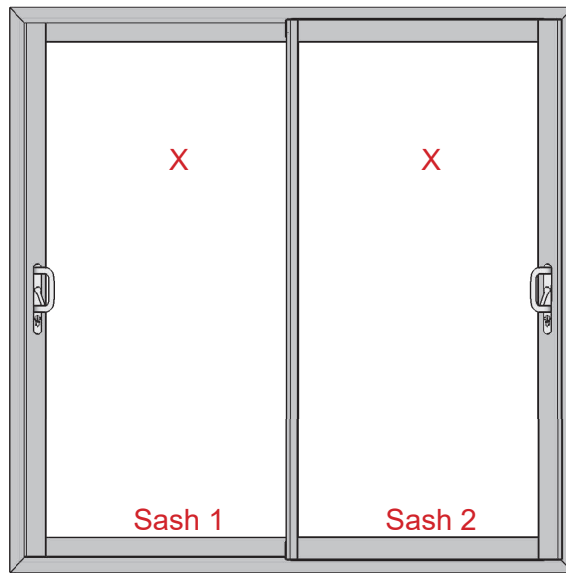
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DETAILED PATIO CONFIGURATIONS

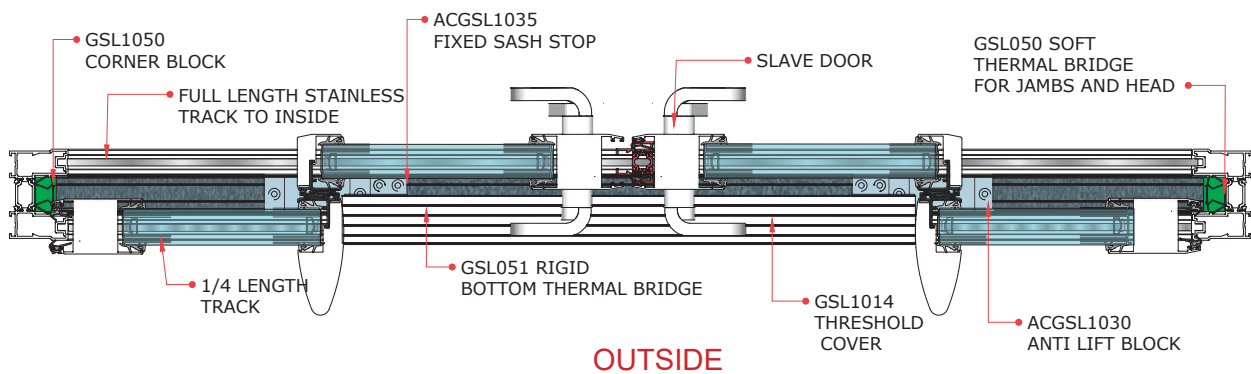
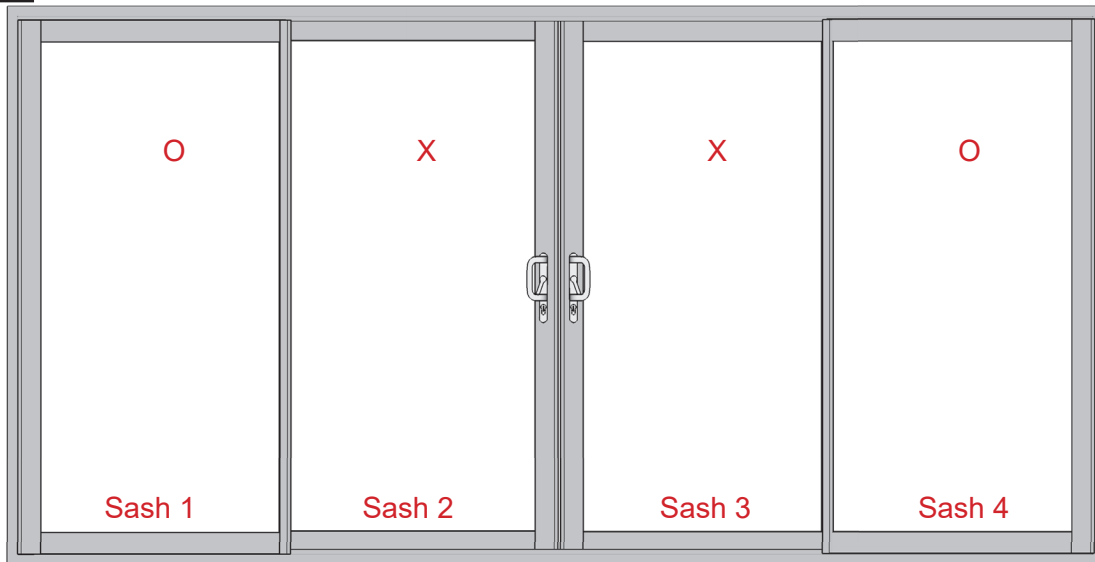
Style X-X

VIEWED OUTSIDE



Style O-X-X-O

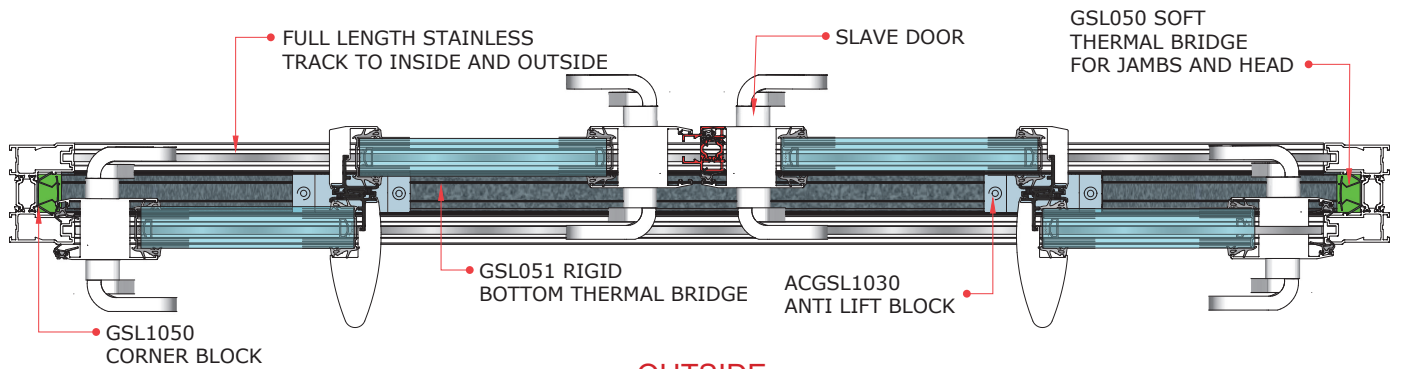
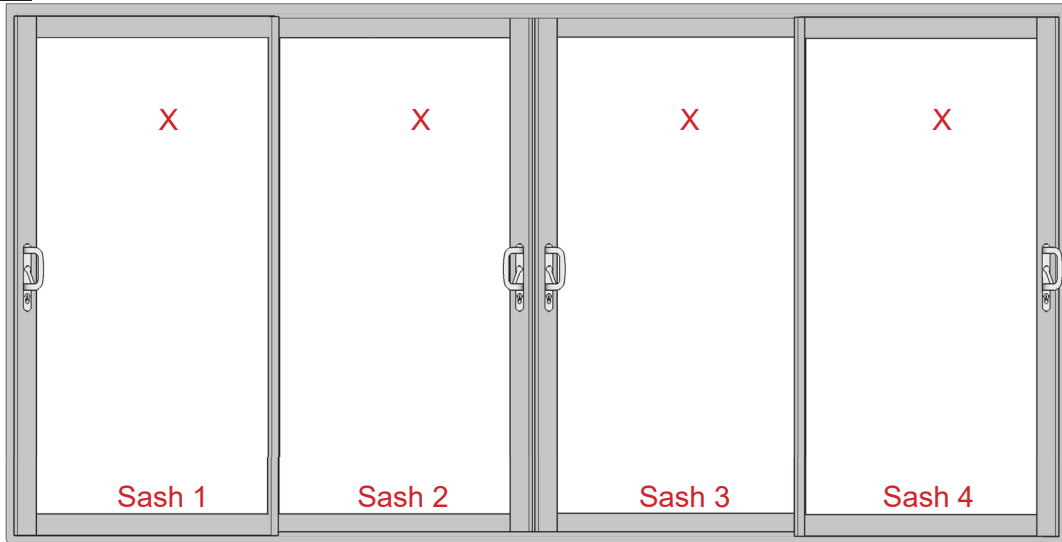
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DETAILED PATIO CONFIGURATIONS

Style X-X-X-X

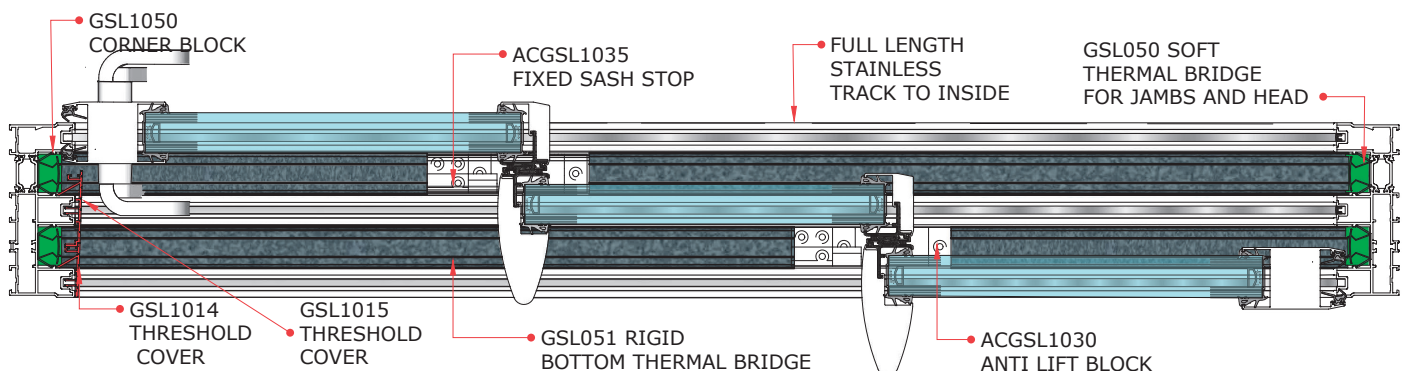
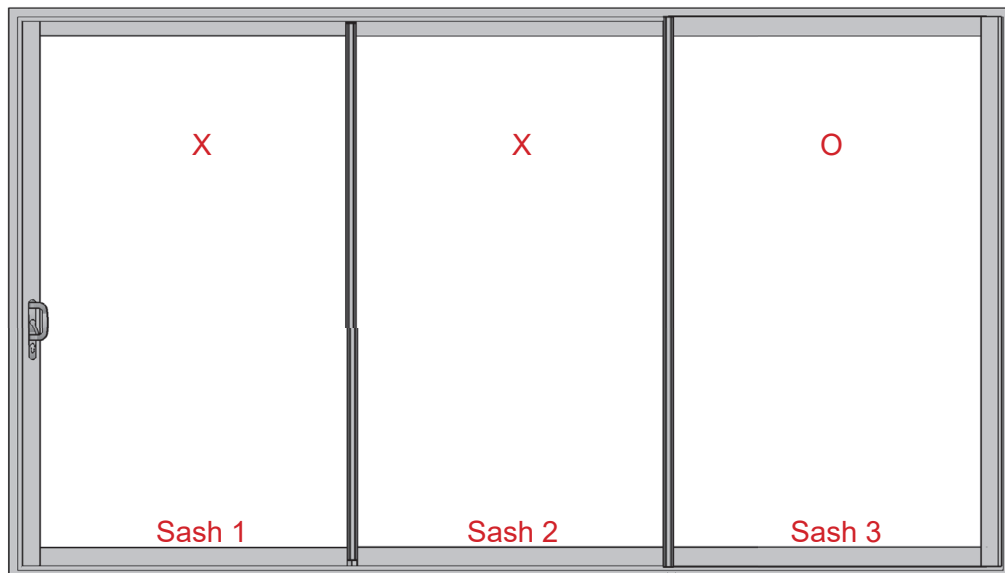
VIEWED
OUTSIDE



OUTSIDE

Style X-X-O

VIEWED
OUTSIDE

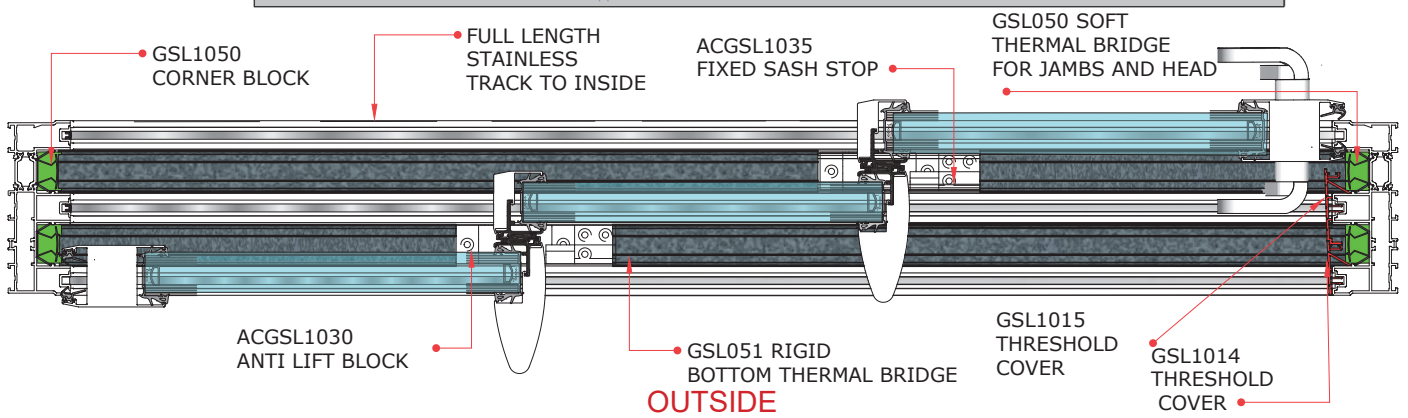
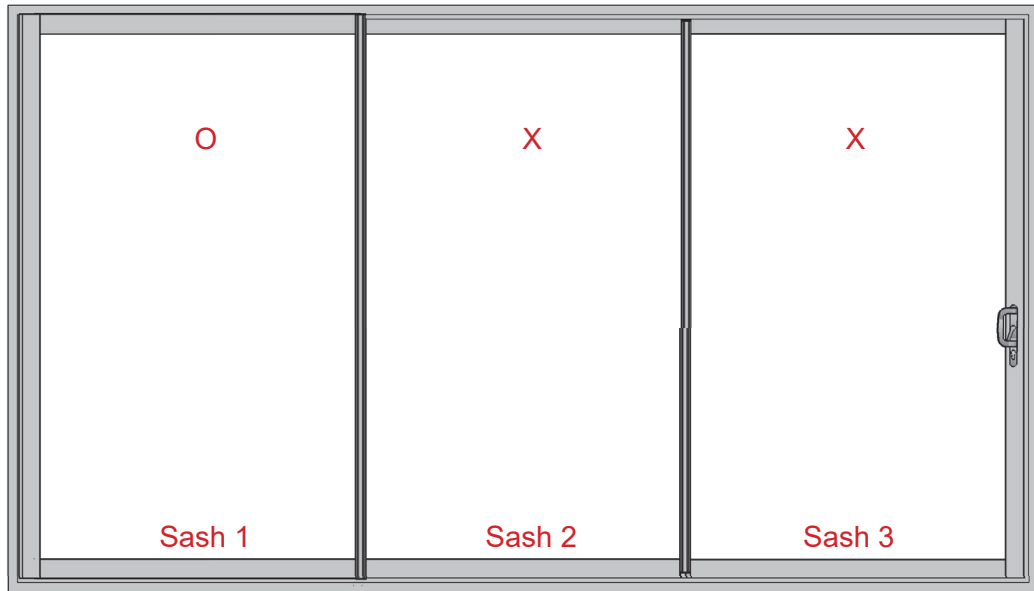


OUTSIDE

DETAILED PATIO CONFIGURATIONS

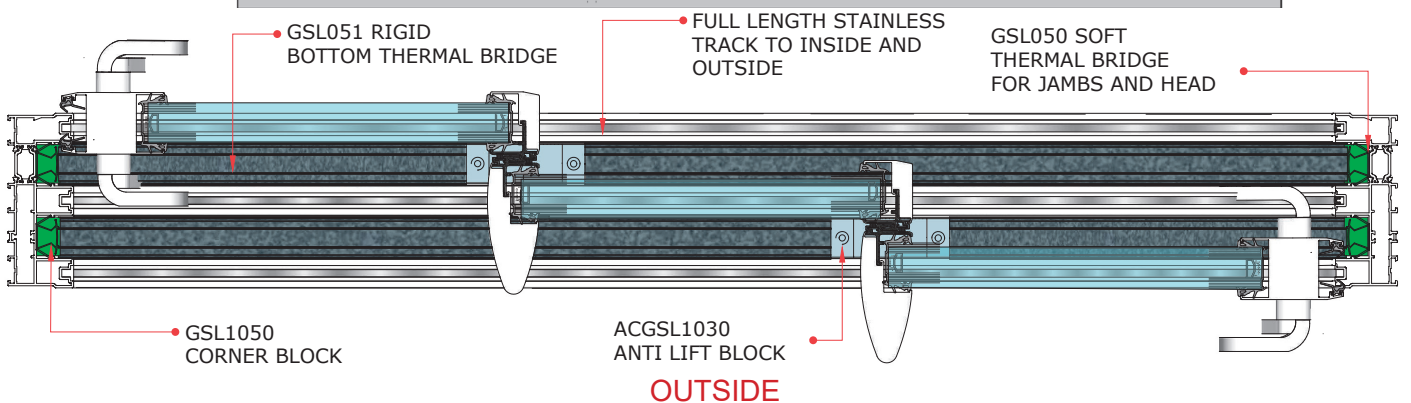
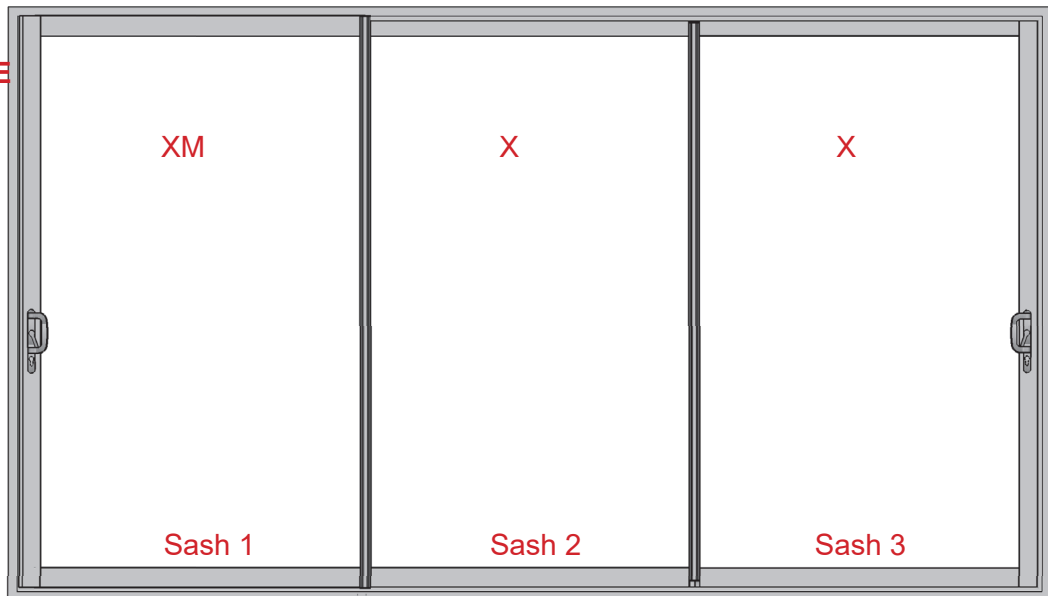
Style O-X-X

VIEWED OUTSIDE



Style XM-X-X

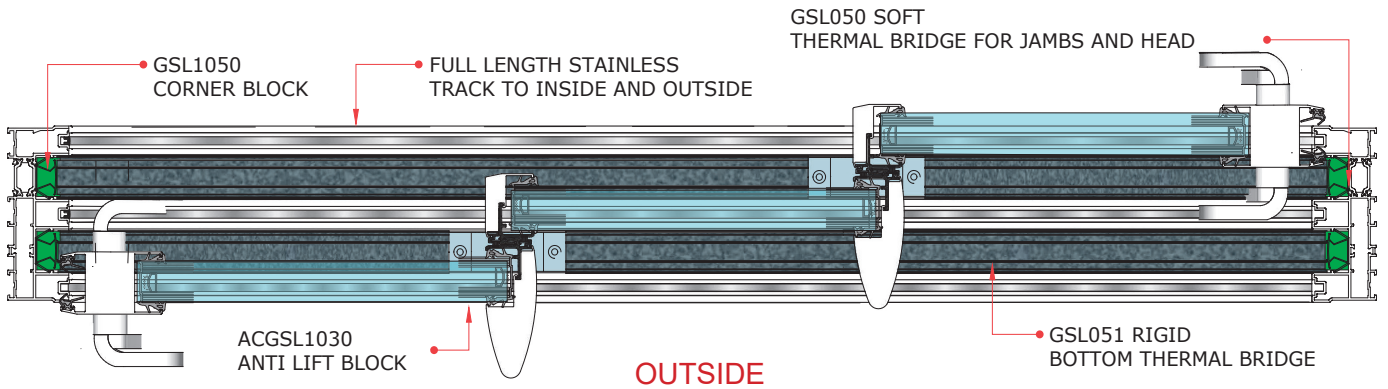
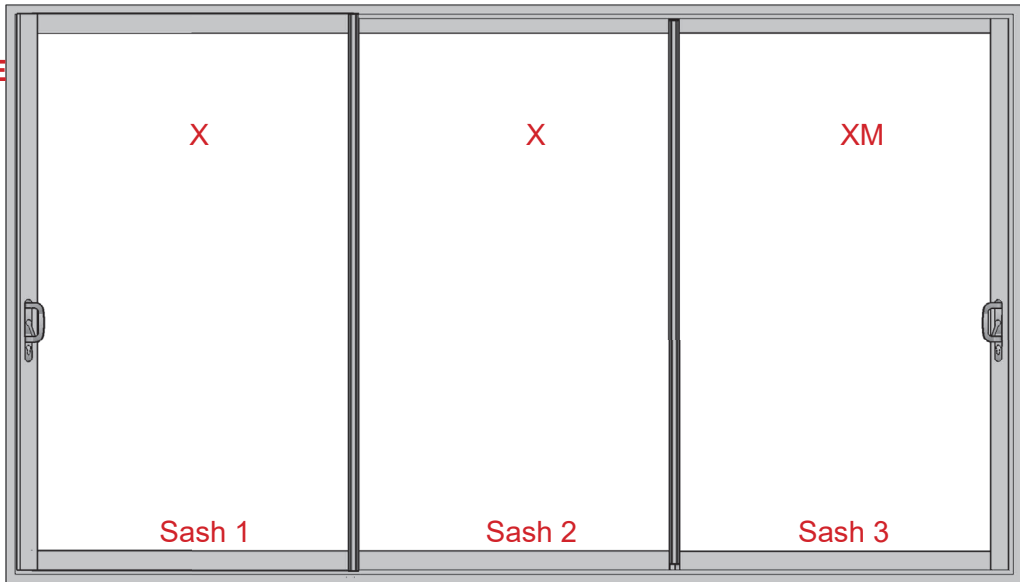
VIEWED OUTSIDE



DETAILED PATIO CONFIGURATIONS

Style X-X-XM

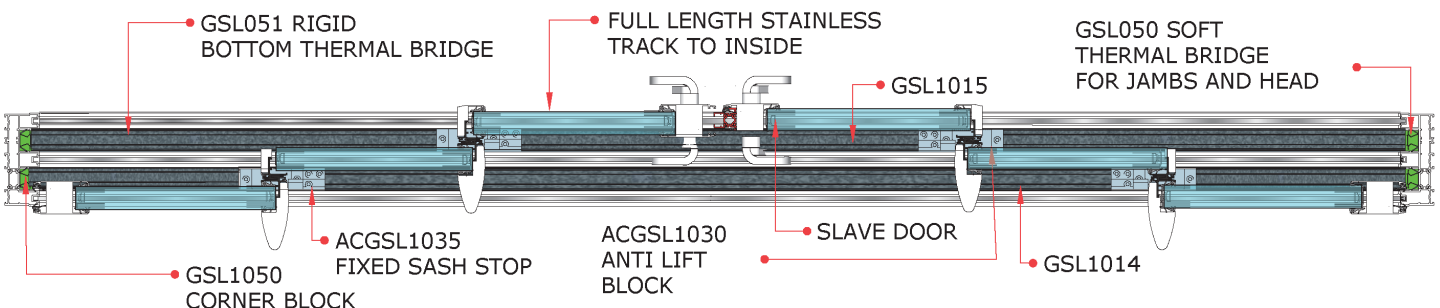
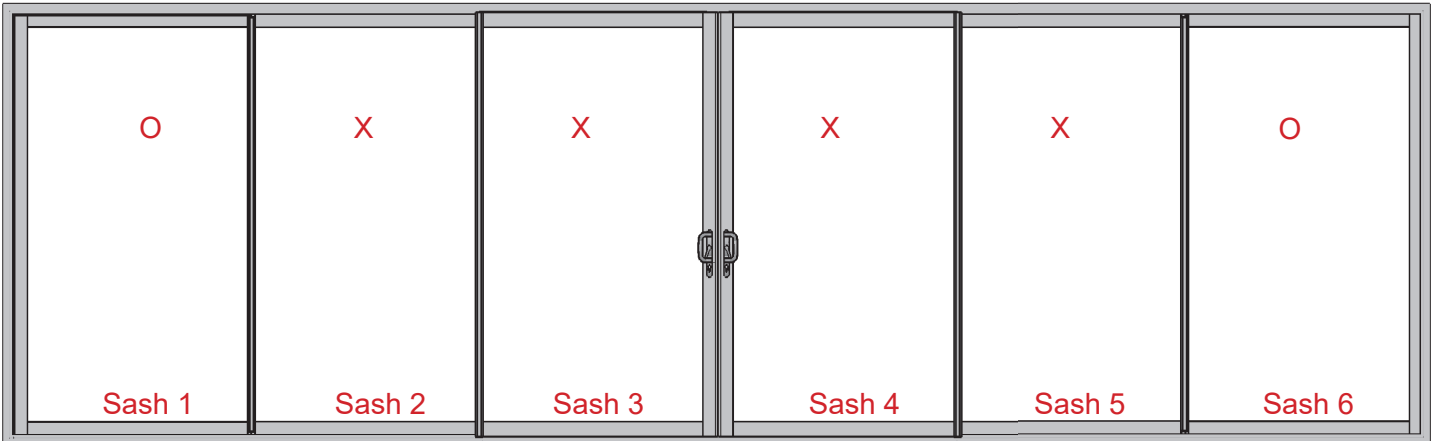
VIEWED OUTSIDE



OUTSIDE

Style O-X-X-X-X-O

VIEWED OUTSIDE

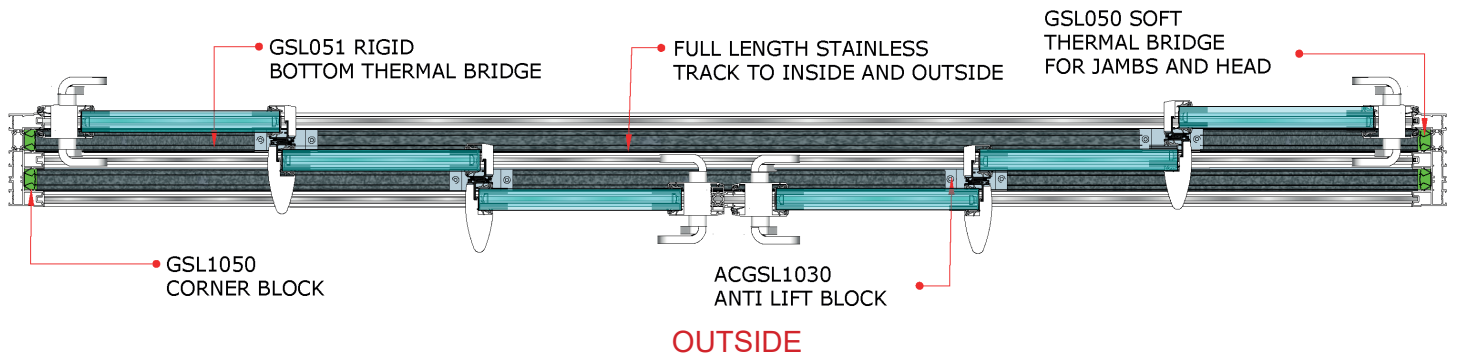
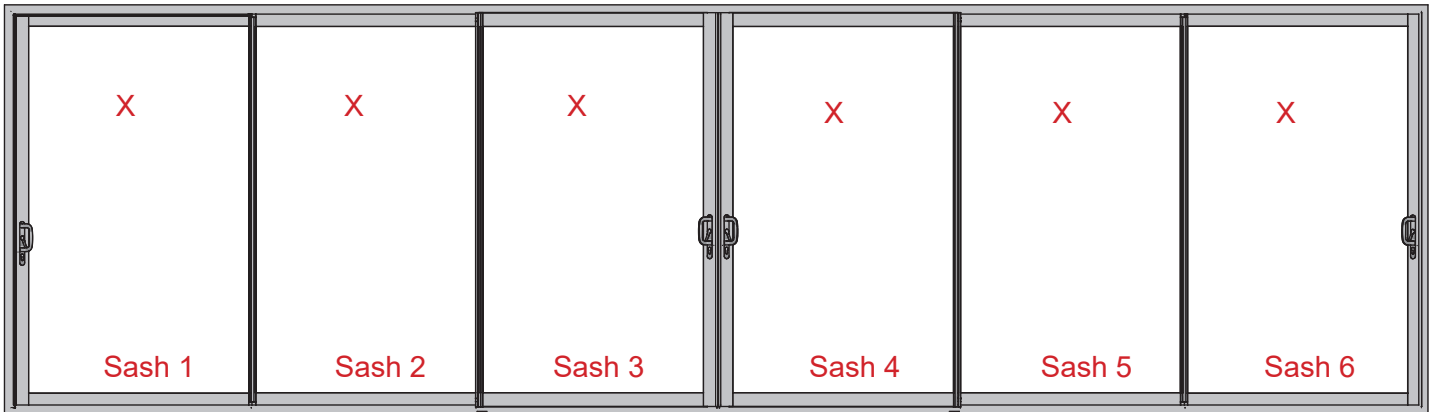


OUTSIDE

DETAILED PATIO CONFIGURATIONS

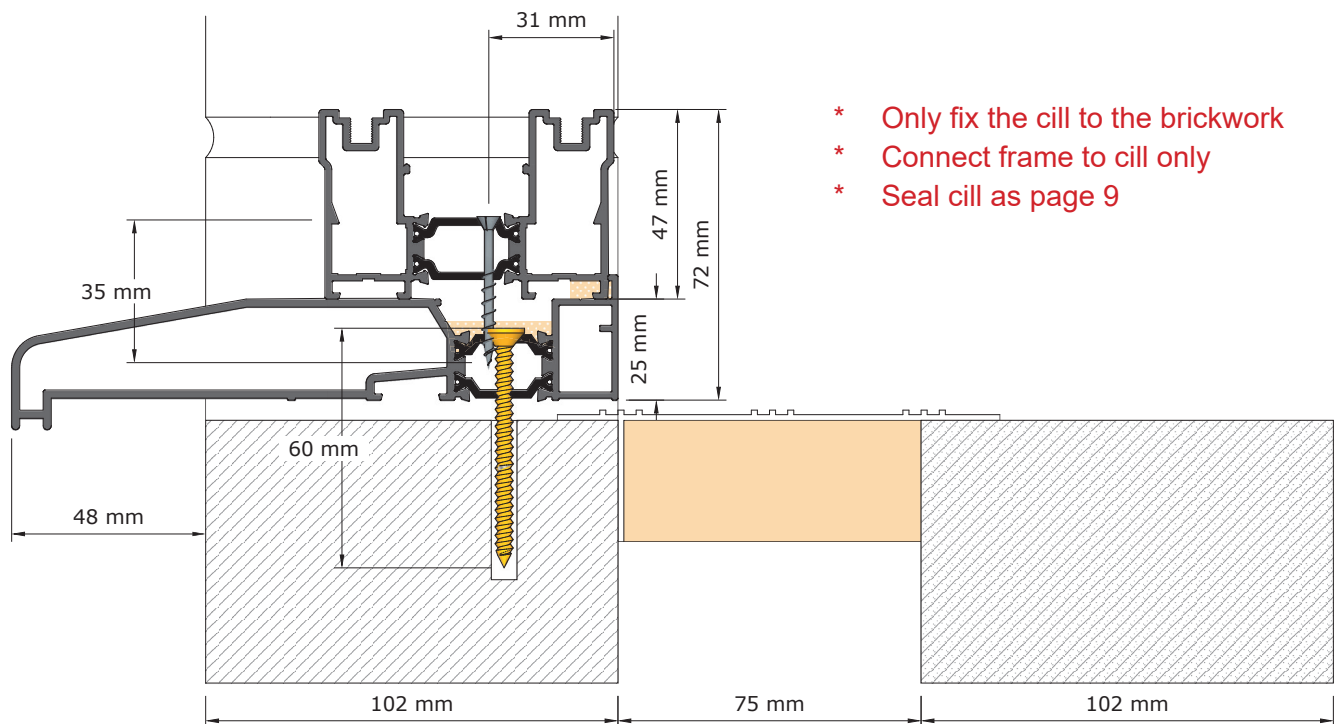
Style X-X-X-X-X-X

VIEWED OUTSIDE



DETAILED CILL AND FRAME INSTALLATION DETAILS

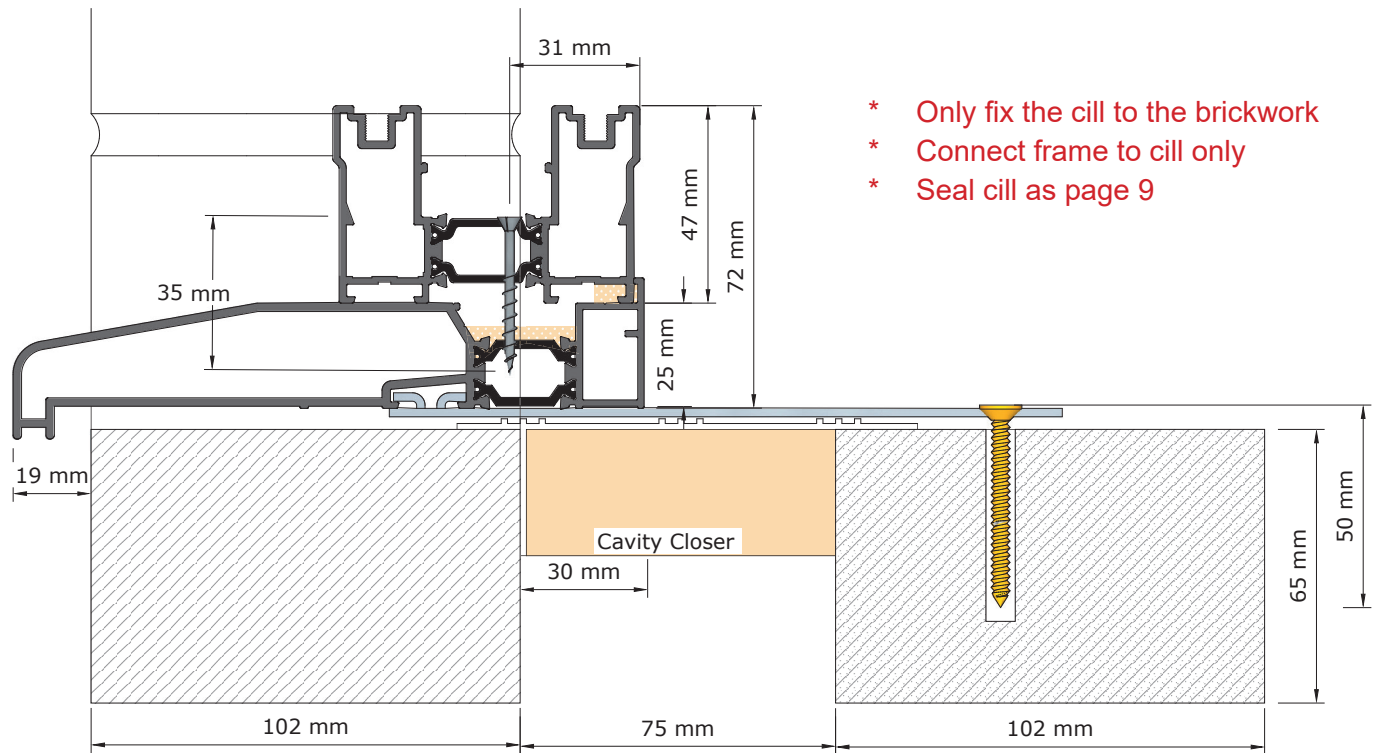
Twin Track : 150 Cill : Direct Brickwork Fix



- * Only fix the cill to the brickwork
- * Connect frame to cill only
- * Seal cill as page 9

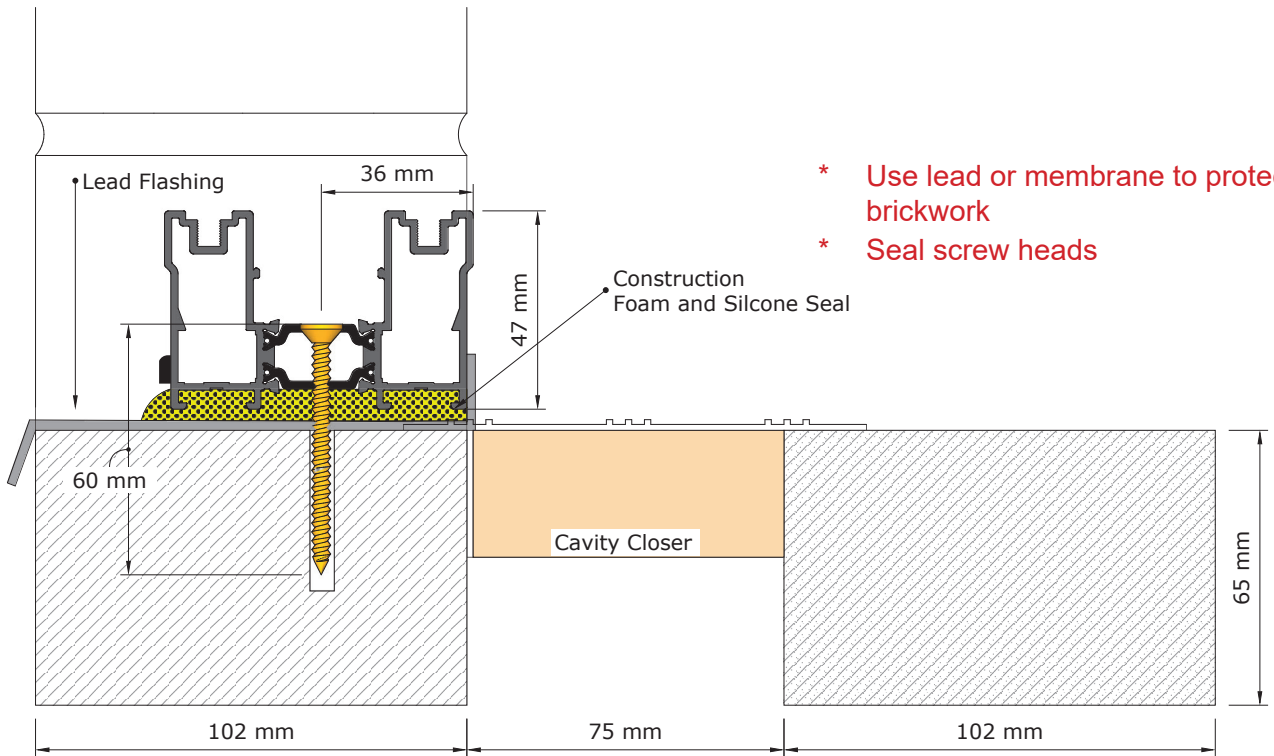
DETAILED CILL AND FRAME INSTALLATION DETAILS

Twin Track : 150 Cill : 30mm Over Cavity : Fixing Strap



- * Only fix the cill to the brickwork
- * Connect frame to cill only
- * Seal cill as page 9

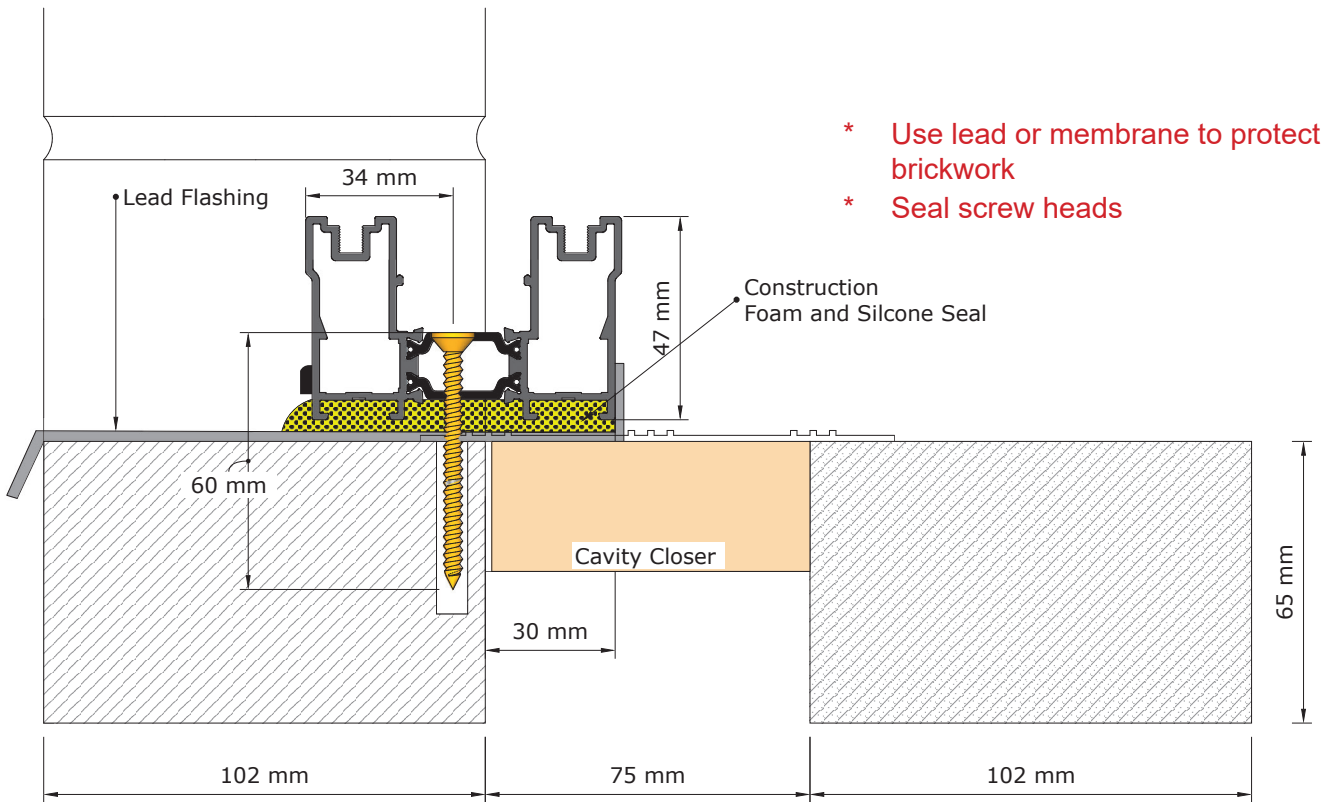
Twin Track : No Cill : Direct Brickwork Fix



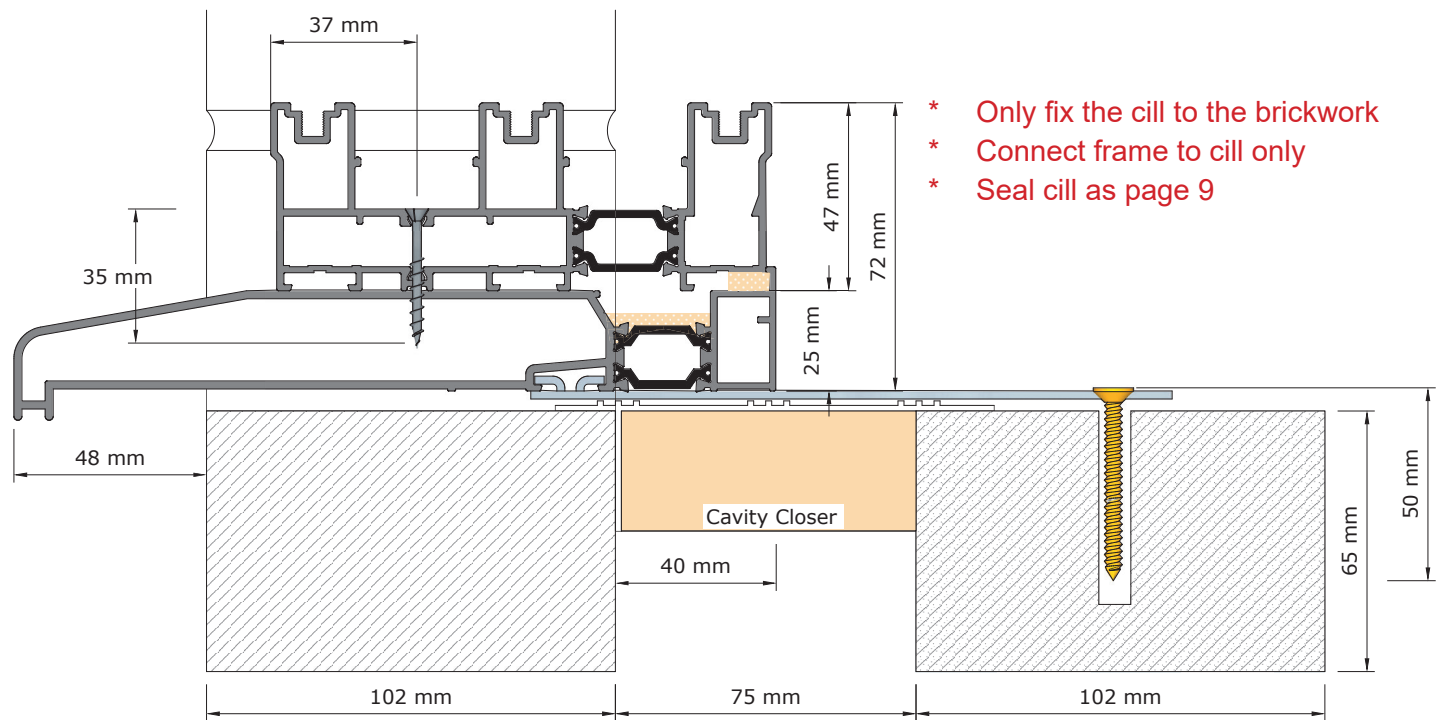
- * Use lead or membrane to protect brickwork
- * Seal screw heads

DETAILED CILL AND FRAME INSTALLATION DETAILS

Twin Track : No Cill : 30mm Over Cavity

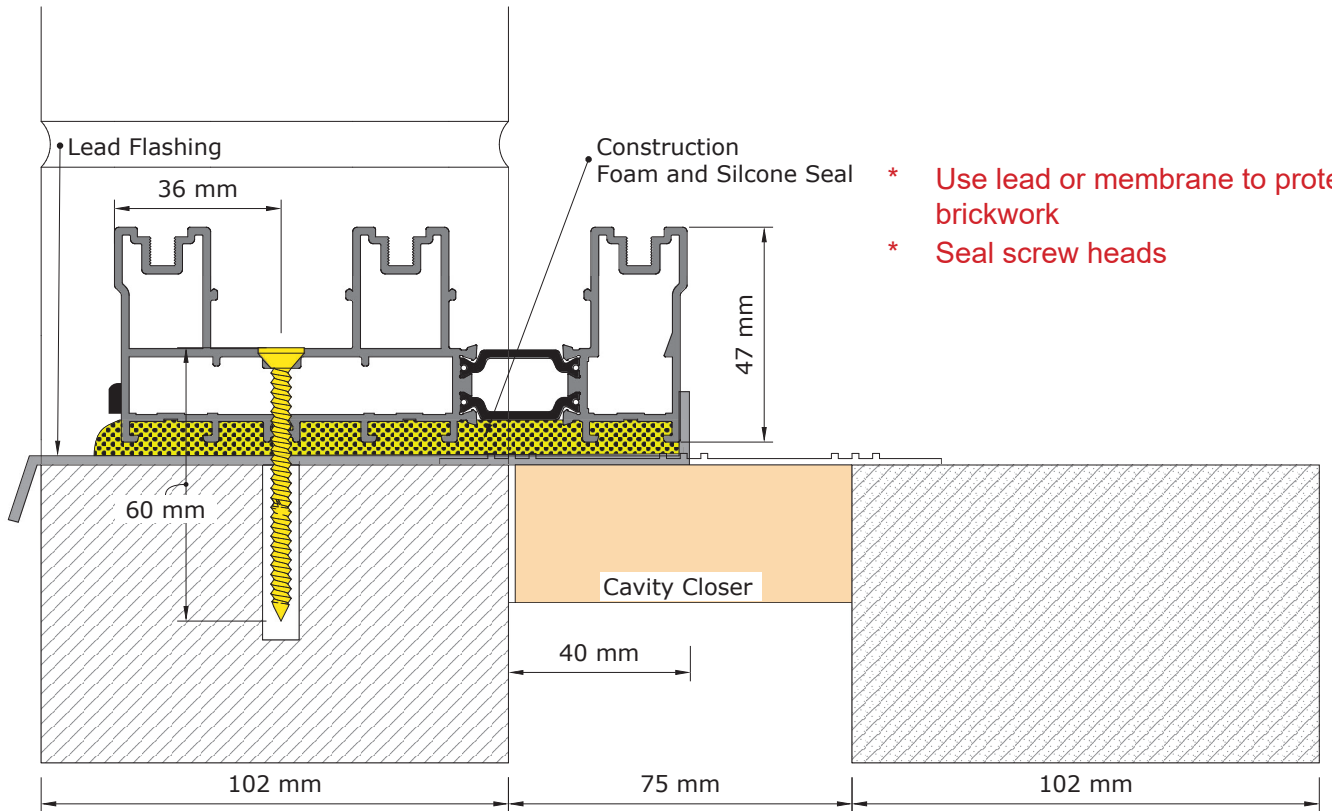


Triple Track : 190 Cill : 40mm Over Cavity : Fixing Strap



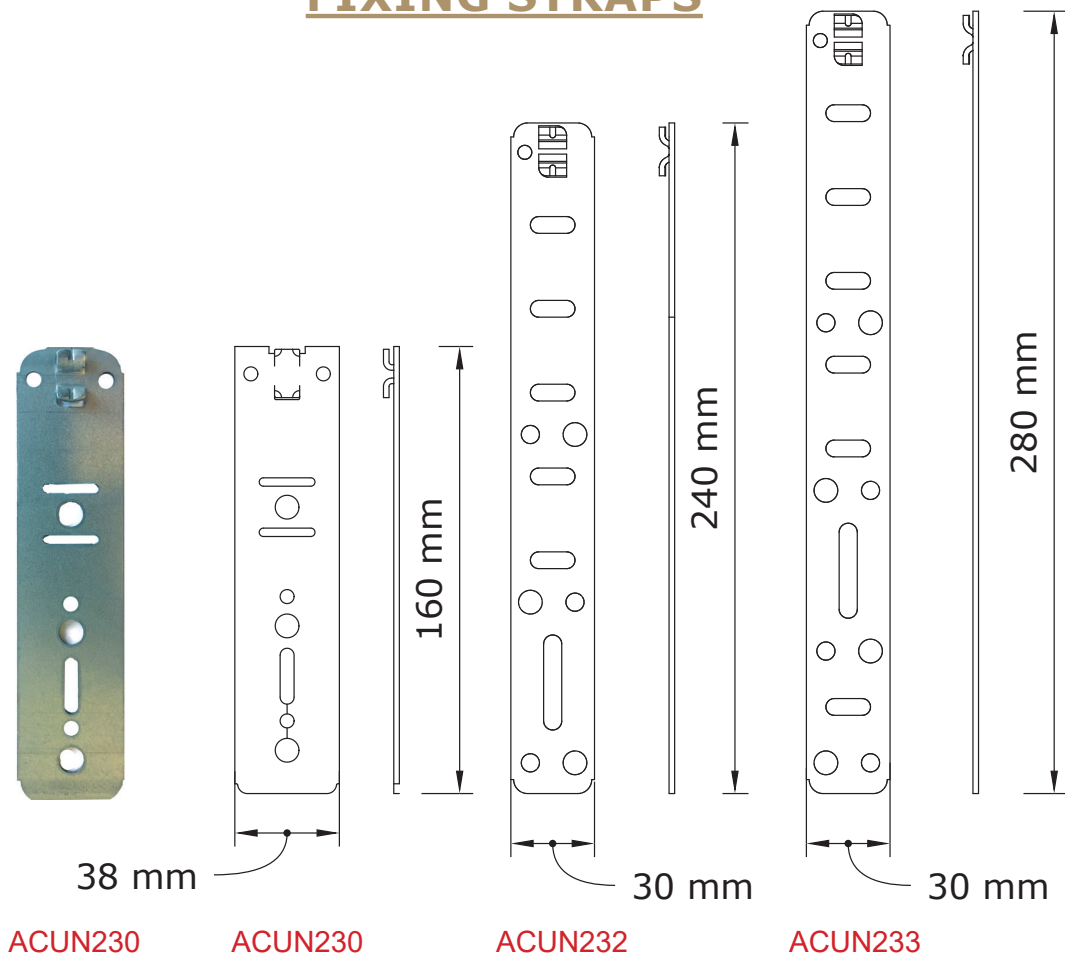
DETAILED CILL AND FRAME INSTALLATION DETAILS

Triple Track: No Cill : 40mm Over Cavity



- * Use lead or membrane to protect brickwork
- * Seal screw heads

FIXING STRAPS



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