

# Series 549 Hinged Entry Door



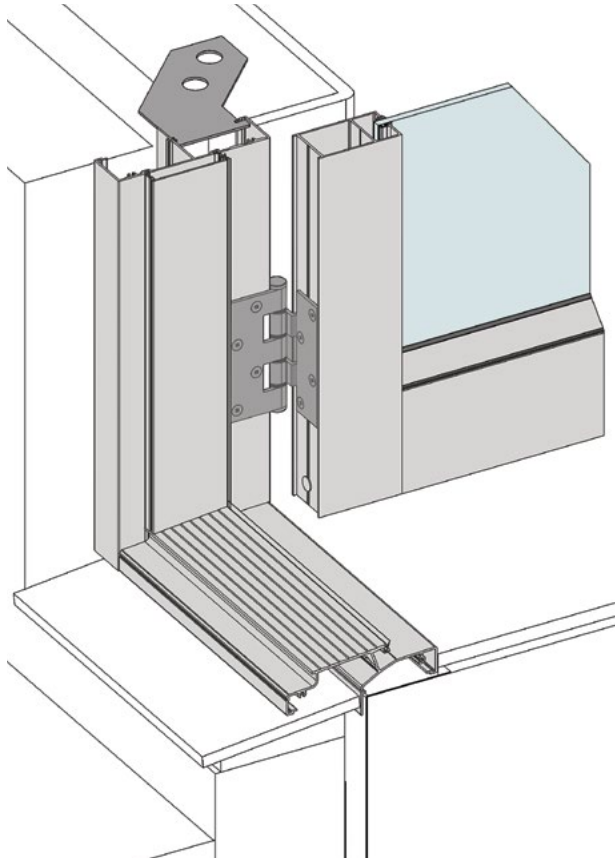
Photo courtesy of MidCity Windows



# Series 549 Hinged Entry Door

DATE: JUN 20  
REPLACES: NOV 09  
SCALE: NOT TO SCALE

## KEY FEATURES / PERFORMANCE CHARACTERISTICS

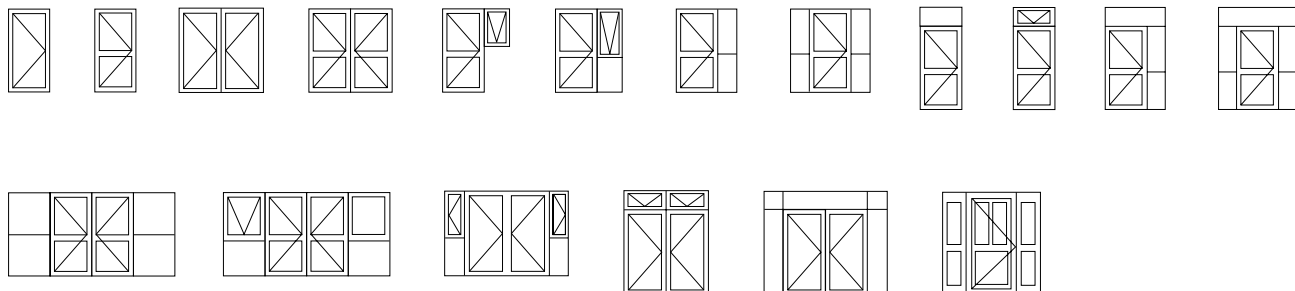


- Designed as a replacement for the traditional 135mm x 38mm timber entry door framing. Frames can be delivered to site pre-painted and with door panels and hardware fitted.
- Self draining sill option on internal opening doors. Alternatively for those exposed locations we recommend the external swing splayed sill. Both internal and external swing doors fitted with sill section have been tested to Australian Standard AS2047 and will resist 200Pa water.
- The aluminium entry door features extra wide top and bottom rails that give the door the chunky appearance of traditional timber designs.
- Rebated door stiles give a flush appearance when the two doors meet and provide superior weather protection. Unightly applied rebates are eliminated.
- Throwing the lock tongue into timber framing has always been a security weakness. Series 549 aluminium frame will significantly improve this locking point.
- Doors can be supplied with a lever lock installed in the door stile or with a tulip knob lock placed in a door chair rail.
- Three proprietary lever lock set options including 316 stainless steel finish for coastal applications.
- Doors can be fitted with custom parliament hinges for those applications where doors have to lay open at 180° against the wall.
- Rebated frame will accept 19mm screen doors.
- Door panels can be fitted with ClearVENT™ sashless Double-Hung panels.

Maximum Panel Height*	2350mm
Maximum Panel Width*	920mm
Maximum Glass Thickness	≤ 20mm

\* Subject to individual site conditions and wind loads. Contact AWS Technical Support for more information, e-mail [techsupport@awsaustralia.com.au](mailto:techsupport@awsaustralia.com.au)

## TYPICAL CONFIGURATIONS



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## SOUND REDUCTION

A number of glass combinations have been tested in this door system. Panel stiles were fitted with co-extruded Santoprene fin seals.

Glass Description		
6.38mm Laminated glass	31dB(A)	RW32
20mm Insulating glass unit	32dB(A)	RW33

Secondary glazed sliding window will give significantly higher numbers



## WERS RATINGS

### Single Glazed

Glass Description	COOLING	HEATING	Uw	SHGCw	Tvw	Inf
5mm Clear	29%	15%	6.0	0.57	0.58	0.80
5mm Grey	40%	8%	6.0	0.42	0.32	0.80
5mm EverGreen	42%	6%	6.0	0.42	0.32	0.80
6.38mm Laminate	32%	15%	6.0	0.54	0.58	0.80
6.38mm Solect	44%	30%	4.5	0.46	0.53	0.80
6.38mm Comfort Plus	52%	23%	4.5	0.35	0.38	0.80

### Double Glazed

Glass Description	COOLING	HEATING	Uw	SHGCw	Tvw	Inf
4Clr/10Gap/4Clr	42%	35%	4.3	0.51	0.52	0.80
4Az/10Gap/4EA	60%	28%	3.8	0.28	0.40	0.80
4/10Ar/4EA	48%	41%	3.6	0.48	0.48	0.80
4Clr/10Gap/4EA	47%	39%	3.8	0.47	0.48	0.80
5Clr/8Gap/5Clr	43%	33%	4.3	0.49	0.52	0.80
5EG/8Ar/5EA	60%	29%	3.7	0.29	0.39	0.80



## 2D & 3D CAD FILES AVAILABLE

GO TO: [www.specifyaws.com.au](http://www.specifyaws.com.au) > Series 542

CAD file: *Series 549 SLD 2D Drawings (DWG & PDF)*



## MORE INFORMATION

For the latest updates regarding this product visit our website

[www.specifyaws.com.au](http://www.specifyaws.com.au)

## HOW TO SPECIFY

### SYSTEM NAME

Vantage Series 549 Hinged Entry Door

### FINISH

Powder Coat

Anodised

### COLOUR

Select from the Vantage range of approved powder coat or anodising colours

### GLASS

Specify thickness ≤ 20mm

Specify thermal performance where applicable (Uv & SHGC)

Specify acoustic performance where applicable (RW)

### HARDWARE

Refer to hardware selection guide for compatible options



## Specification Assistance

Need help specifying this product? email [techsupport@awsaustralia.com.au](mailto:techsupport@awsaustralia.com.au) and our qualified technical advisors will assist you with product selection and specification for your project.

# Series 549

## Hinged Entry Door

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### SPECIFIERS CHECKLIST

Not all hinged doors are the same. If you want your hinged door to perform, keep the elements on the outside where they belong and operate smoothly for years to come there are some things you should check/compare when choosing your supplier - compare us with the others.

FEATURE	Series 549	Opposition
<p><b>Will the hinged door keep the water out - has it been tested?</b></p> <p>The Vantage Series 549 hinged door has been successfully tested to keep water out.            Open in and open out doors will resist up to 200Pa of water.            If sliding doors have to comply so should hinged doors in our opinion.</p>	YES	
<p><b>Are the door stiles strong enough to support the door?</b></p> <p>The Vantage Series 549 doors are hinged off a heavy duty double tubular jamb with thickened webs where hinges are attached.            If the jamb is not strong enough nothing you can do in the future will make the door perform.            Many of our competitors hang doors off sections not much stronger than our window sections, this usually results in the doors dropping and/or the hinge fixing failure.</p>	YES	
<p><b>Rebated door meeting stiles?</b></p> <p>Rebated door stiles give a flush appearance when the two doors meet and provide superior weather protection.            These rebated stiles are one of the main reasons why these doors keep the water out.</p>	YES	
<p><b>Are the door panel sections strong enough?</b></p> <p>We have deliberately designed the door sections to suit high quality hardware and be capable of supporting the glass weight without sagging.            There is no value hanging a flimsy door panel in the opening if it won't stand the test of time as hinged doors are subjected to far more abuse than sliding doors.            Many of our competitors hinged doors are about the same size as our sliding door stiles.</p>	YES	
<p><b>Are parliament type hinges available?</b></p> <p>Custom heavy duty parliament hinges designed lay the door panels back against the wall.</p>	YES	
<p><b>Can the door panels and sidelights be double glazed?</b></p> <p>The sidelight and the heavy duty door panels are capable of carrying 20mm insulating glass made up of 5mm glass with 10mm air gap and another sheet of 5mm glass.</p>	YES	
<p><b>High quality hardware?</b></p> <p>Heavy duty custom hinges that are designed to suit the door &amp; frame without having to fit shims.            Specially designed compression blocks at the four corner joints of the door. These take the "sloppiness" out of corner joints and make sure that the door stays rigid and square. Compare our door with others available and you will see what we mean about strength and rigidity.            Co-extruded Santoprene door stop seal standard.            Quality mutipoint lever locksets available. Select from the ANDO™, MIRO™ or ICON™ range.</p>	YES	

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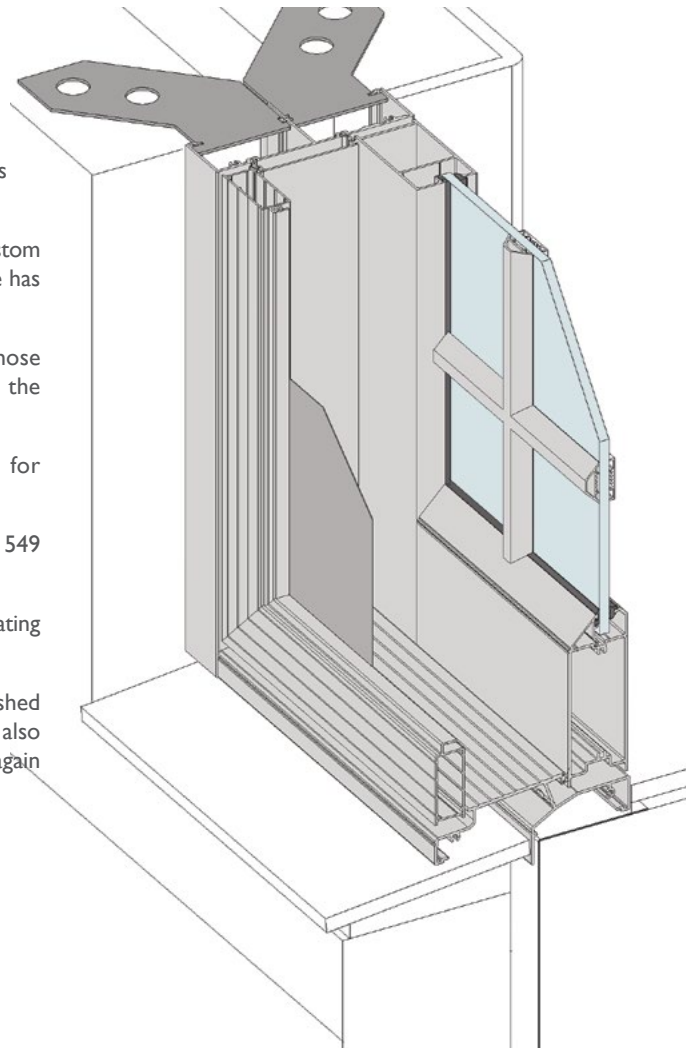
DATE: JUN 20  
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## DESIGN FEATURES

1. The Vantage 549 framing has been designed as a replacement for the traditional 135mm x 38mm timber entry door framing. Frames can be delivered to site pre-painted and with door panels and hardware fitted.
2. Series 549 comes with self-draining sill option on internal opening doors (as detailed later). Alternatively for those exposed locations we recommend the external swing splayed sill. Both internal and external swing doors fitted with sill section have been tested to Australian Standard AS2047 and will resist 200Pa water.
3. The aluminium entry door features extra wide top and bottom rails that give the door the chunky appearance of traditional timber designs.

This strength of appearance is also backed up by true structural integrity. Vantage Series 549 doors feature a thoughtful but invisible innovation - specially designed backing plates at the four corner joints of the door to make sure that the door stays rigid and square. Compare our door with others available and you will see what we mean about strength and rigidity.

4. Rebated door stiles give a flush appearance when the two doors meet and provide superior weather protection. Unsightly applied rebates are eliminated.
5. Throwing the lock tongue into timber framing has always been a security weakness. Series 549 aluminium frame will significantly improve this locking point.
6. Doors can be supplied with a lever lock installed in the door stile or with a tulip knob lock placed in a door chair rail.
7. Three proprietary lever lock set options including 316 stainless steel for coastal applications.
8. Custom injection moulded lock keeper on pair of doors, stainless steel keeper on single doors.
9. Custom hinges wrap around the aluminium door stile. These custom components dramatically improve the appearance. The frame has been reinforced (thickened) at hinge fixing points.
10. Doors can be fitted with custom parliament hinges for those applications where doors have to lay open at 180° against the wall.
11. Custom door and glazing co-extruded Santoprene seals for maximum weather performance and resistance to shrinkage.
12. MAGNUM™ awning/casement sashes can be built into Series 549 framing as shown later in this section.
13. Both doors and sidelights can be double glazed with 20mm insulating glass.
14. Door sill slopes towards the outside to prevent ponding and shed water away from the door seal, the area under the door panel also falls towards the drainage hole. The sloping/stepped tread again prevents ponding and dust build-up.
15. Rebated frame will accept 19mm screen doors.
16. Door panels can be fitted with ClearVENT™ sashless double-hung panels.



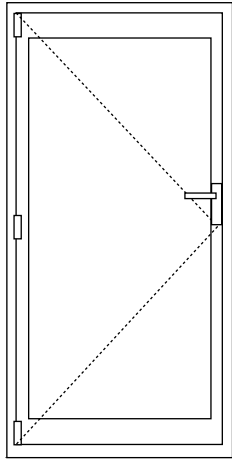
All of the important features are shown in full colour at: [www.vantagealuminium.com.au](http://www.vantagealuminium.com.au)



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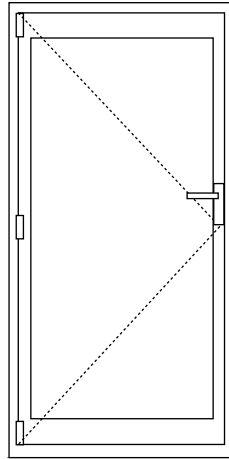
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## TYPICAL CONFIGURATIONS

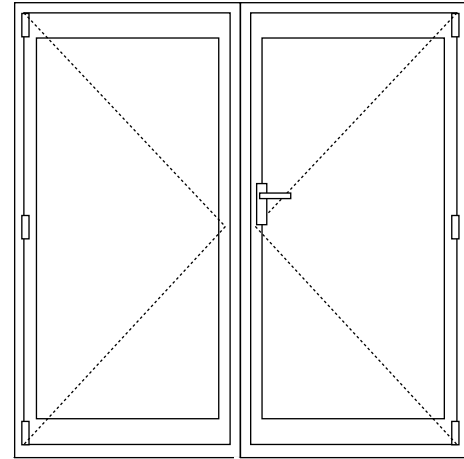


Single internal opening hinged door with self draining sill.

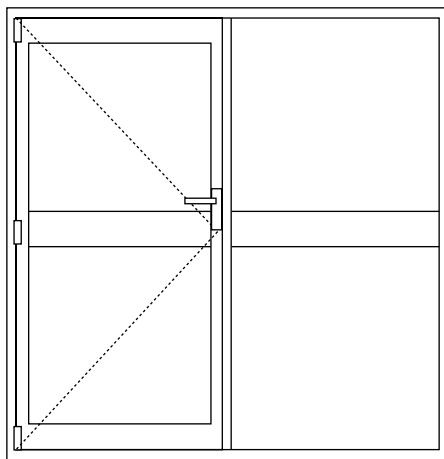
Standard lock  
Lever latch set  
(key both sides)



Single external opening hinged door with weather sill.



Double internal or external opening hinged doors.



**Optional**  
Matching fixed sidelights can be constructed. Doors and sidelights can be fitted with chair rails as detailed above.

### Fixed Mullion Ratings

**S** = Serviceability limit state (deflection = L/150).

**U** = Ultimate strength limit state (factored yield strength = 104 MPa).

These tables have been calculated using nominal section properties.

A typical assembly has been tested as per the requirements of AS2047,

Ultimate strength rating has been limited to 4500 Pa.

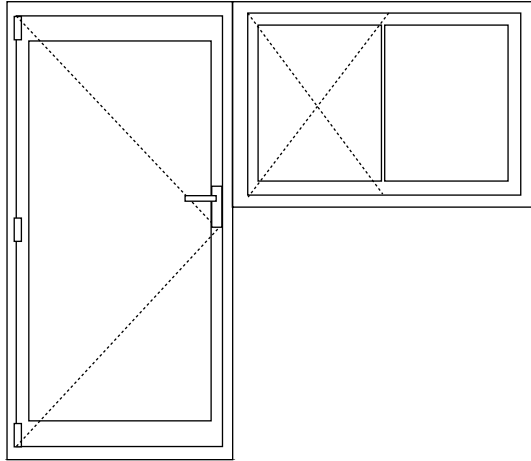
Height mm		Mullion Centres mm					
		900	1200	1500	1800	2100	2400
2100	S	3000	2843	2453	2261	2215	2268
	U	4500	4264	3679	3392	3323	3402
2400	S	2684	2097	1173	1588	1492	1469
	U	4026	3146	2660	2382	2239	2204
2700	S	2087	1616	1348	1186	1088	1037
	U	3130	2423	2022	1779	1633	1555
3000	S	1671	1285	1063	924	835	779
	U	2506	1927	1594	1386	1253	1169

Wind Ratings (Pa) Mullion only.

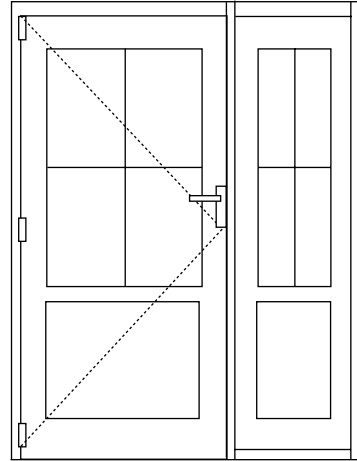
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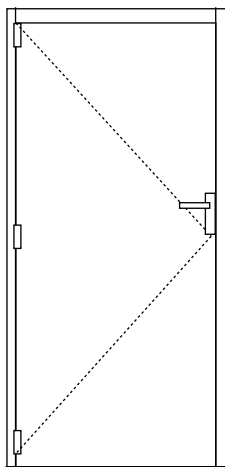
## TYPICAL CONFIGURATIONS



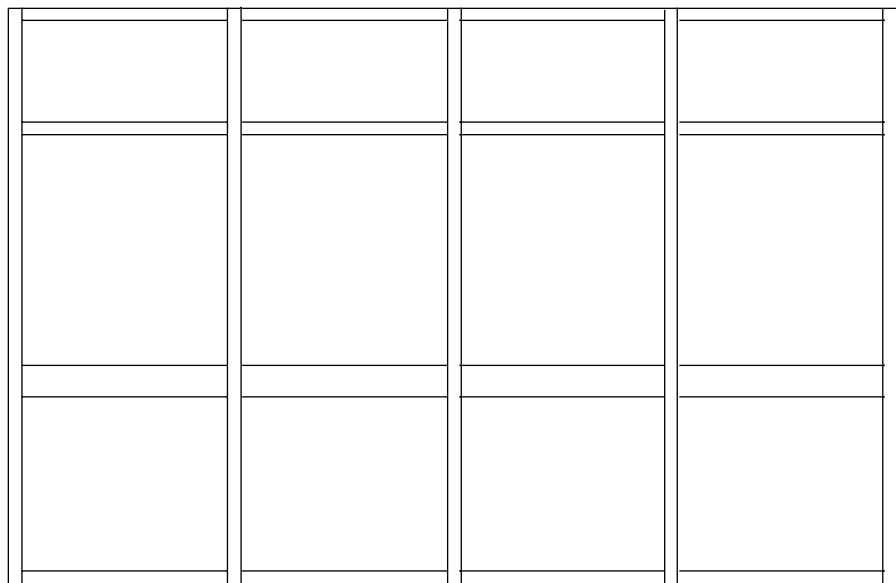
The Series 549 frame can be coupled to any of the Vantage 50mm windows. Sliders, Awnings, Double-hung, Louvre, Casement and Fixed lights.



The sidelight frame can also be constructed to accept timber feature panels to match doors as detailed above.



Timber door panels can be fitted into the Series 549 aluminium frame. The self draining sill can be fitted or the frame can be fabricated without a sill as detailed above.

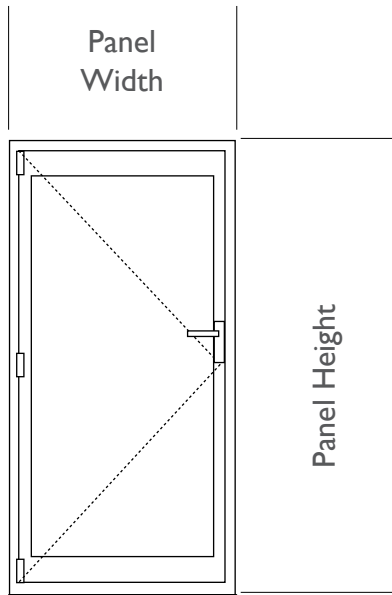


Pure fixed units can also be fabricated out of this framing system as detailed above. Transoms and Chair rails are optional.

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## MAXIMUM HINGED DOOR PANEL SIZES



### Maximum Hinged Door Panel Sizes

Maximum weight	with 3. hinges	50 kg
Maximum width		920mm
Maximum height		2350mm

### Parliament Hinges

We will also be offering a parliament hinge option.

**Note:** Three Point locking systems and/or flushbolts are recommended for door leaves over 2040mm high and doors in exposed positions to keep the top and bottom of the door leaf tight against the seals.

### Pair of Doors Ratings Table

**S** = Serviceability limit state (deflection = L/150).

**U** = Ultimate strength limit state (factored yield strength = 104 MPa).

These tables have been calculated using nominal section properties.  
A typical assembly has been tested as per the requirements of AS2047.

Ultimate strength rating has been limited to 4500 Pa.

Frame		Meeting Stiles	
Height mm	Width mm	S	U
2100	1000	2200	4500
2100	1200	2114	4500
2100	1400	1808	3942
2100	1600	1588	3455
2100	1800	1424	3090
2400	1000	1677	4222
2400	1200	1380	3470
2400	1400	1177	2955
2400	1600	1030	2583
2400	1800	920	2301

Wind Ratings (Pa) Meeting stiles.



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## HARDWARE MAKES THE DIFFERENCE



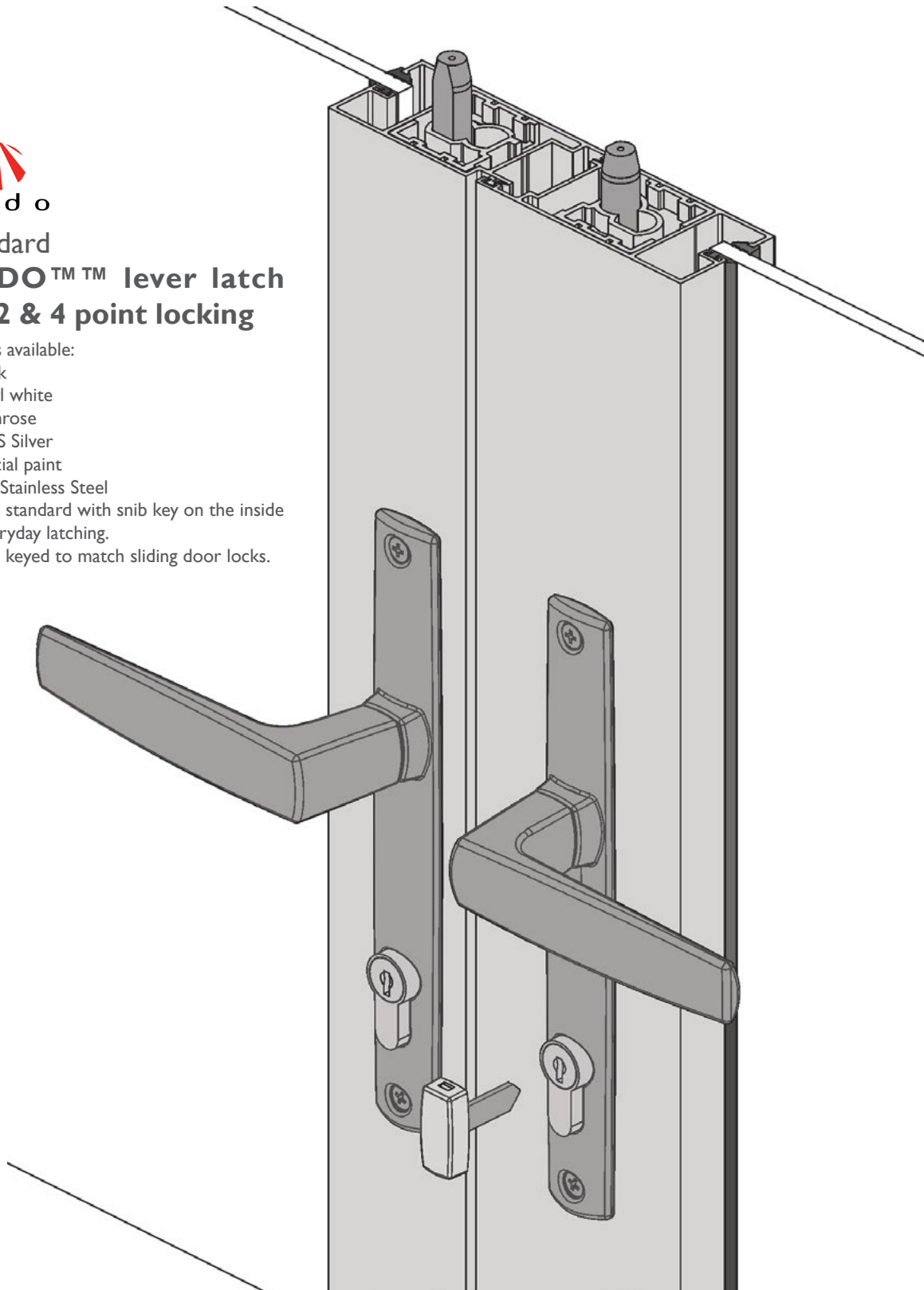
### Standard **ANDO™™ lever latch set 2 & 4 point locking**

finishes available:

- Black
- Pearl white
- Primrose
- AWS Silver
- Special paint
- 316 Stainless Steel

Comes standard with snib key on the inside for everyday latching.

Can be keyed to match sliding door locks.



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## HARDWARE MAKES THE DIFFERENCE

### ICON™

#### Latch Set

finishes available:

- 316 Stainless steel

#### ALTERNATIVE

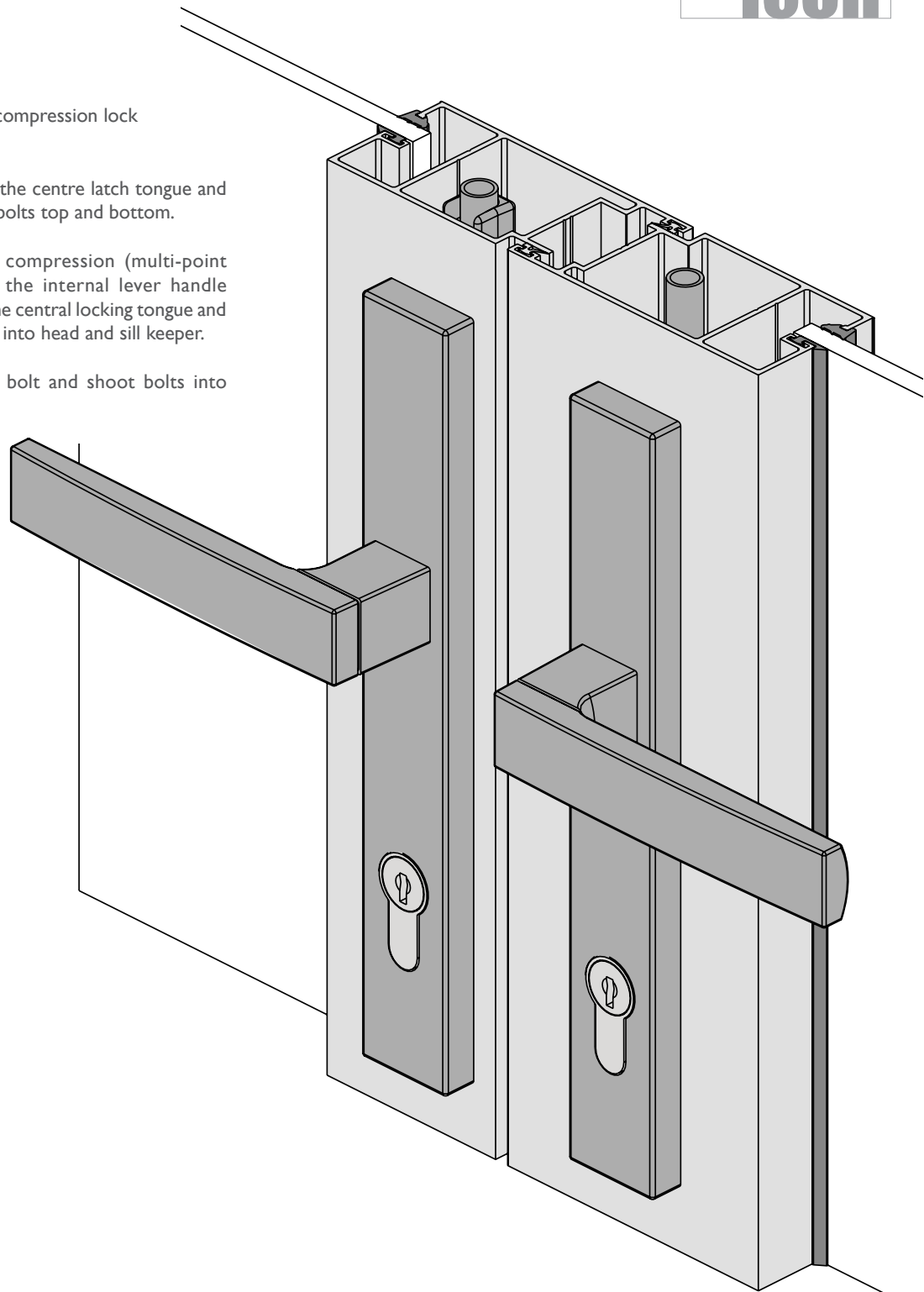
Also available as lever compression lock

#### Notes:

Four point locking has the centre latch tongue and throw bolt plus shoot bolts top and bottom.

To activate the lever compression (multi-point locking) feature turn the internal lever handle vertical, this activates the central locking tongue and pushes the shoot bolts into head and sill keeper.

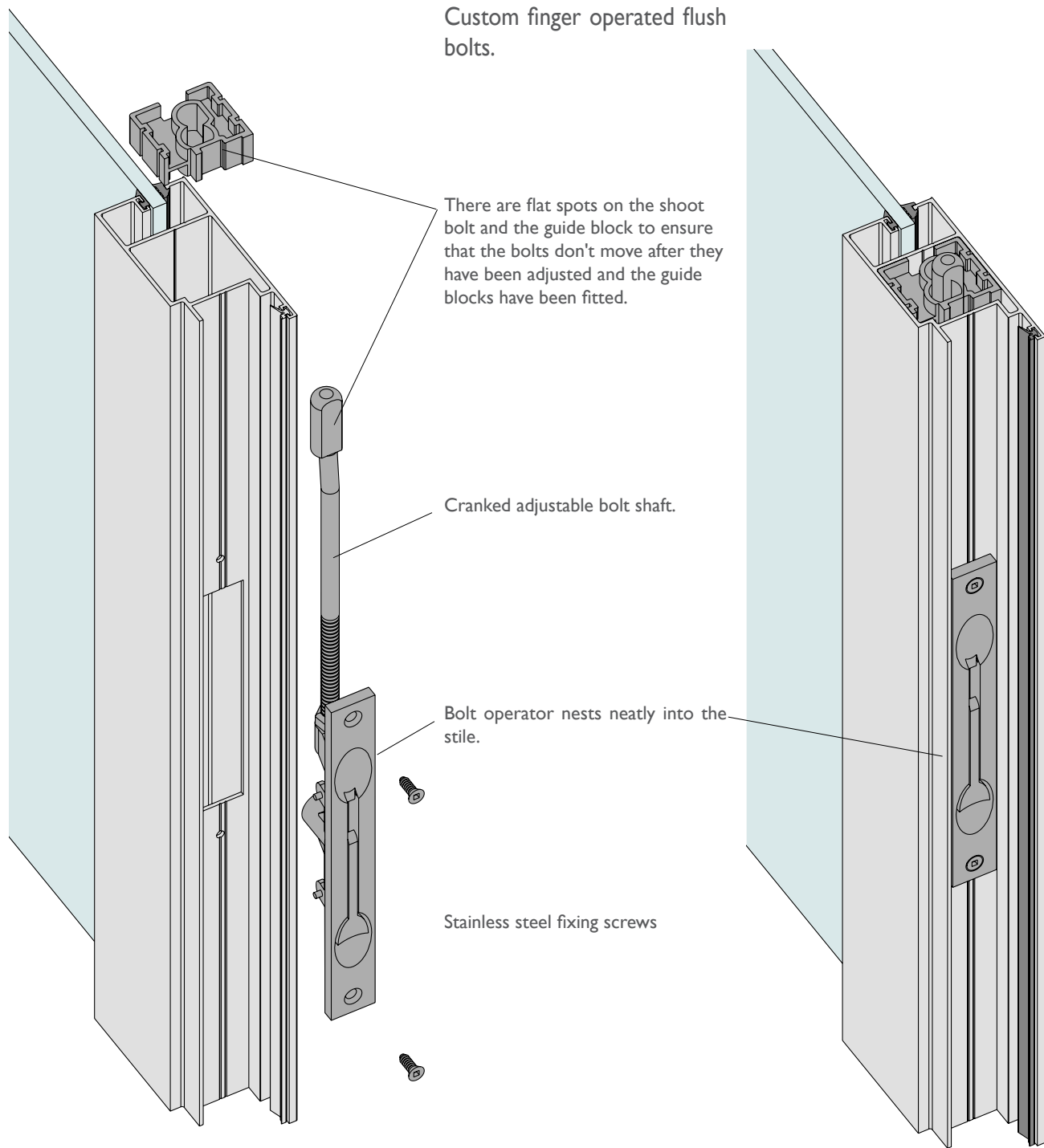
Turning the key locks bolt and shoot bolts into position.



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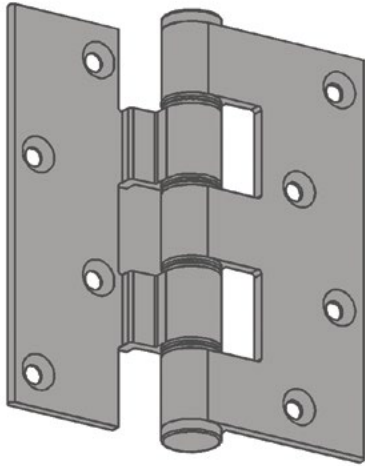
## FLUSH BOLT



# Series 549 Hinged Entry Door

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## CUSTOM EXTRUDED ALUMINIUM HINGES



Vantage custom standard hinge fabricated from high tensile extruded aluminium with 6mm stainless steel shaft and nylon bushes.

finishes available:

- Black
- Pearl white
- Primrose
- AWS Silver
- Clear Anodised
- Special paint

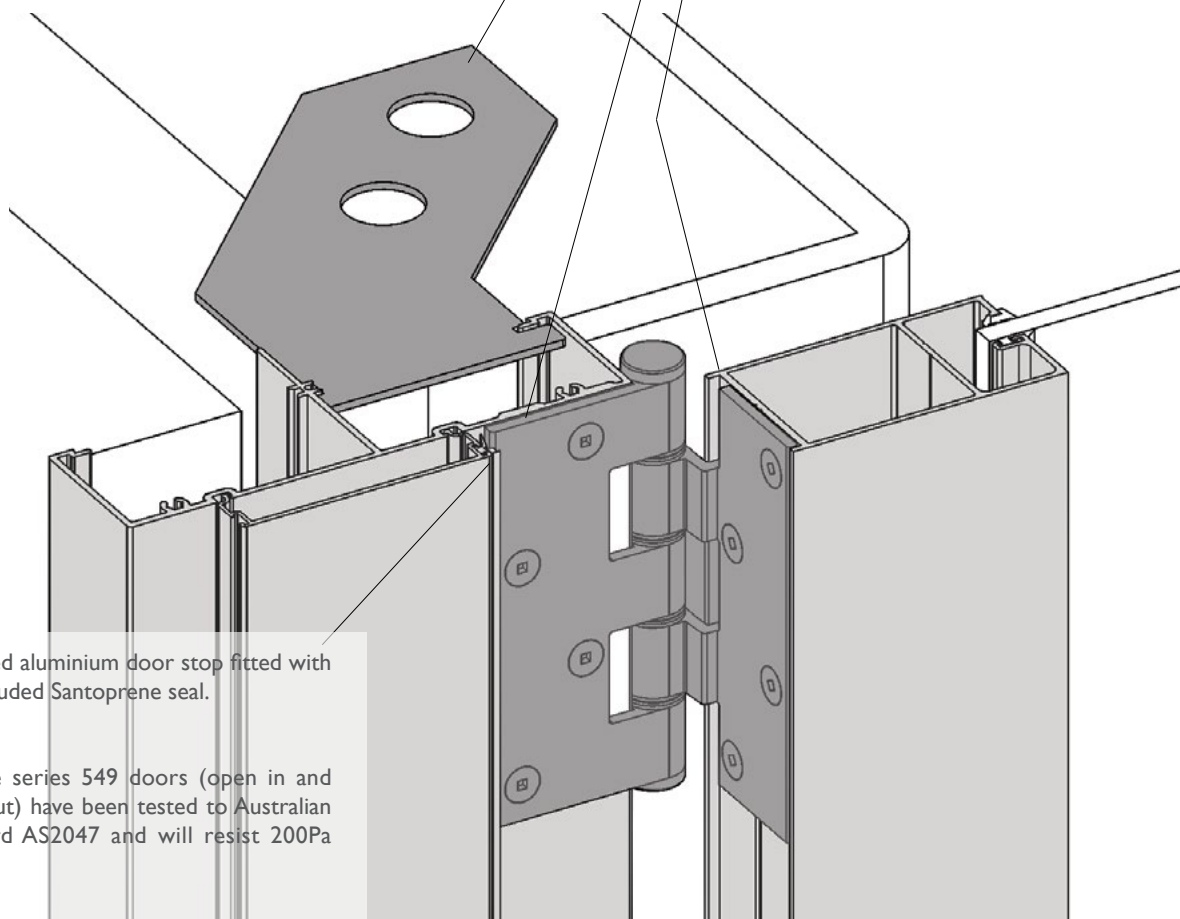
Frame securely supported in brick wall with custom galvanised mild steel building-in lugs.

Hinge frame leaf fixed through reinforced portions of frame with 10# countersunk stainless steel self tapping screws.

The hinged door leaf nests into the door stile to ensure that the gaps between frame and door panel is maintained.

Extruded aluminium door stop fitted with co-extruded Santoprene seal.

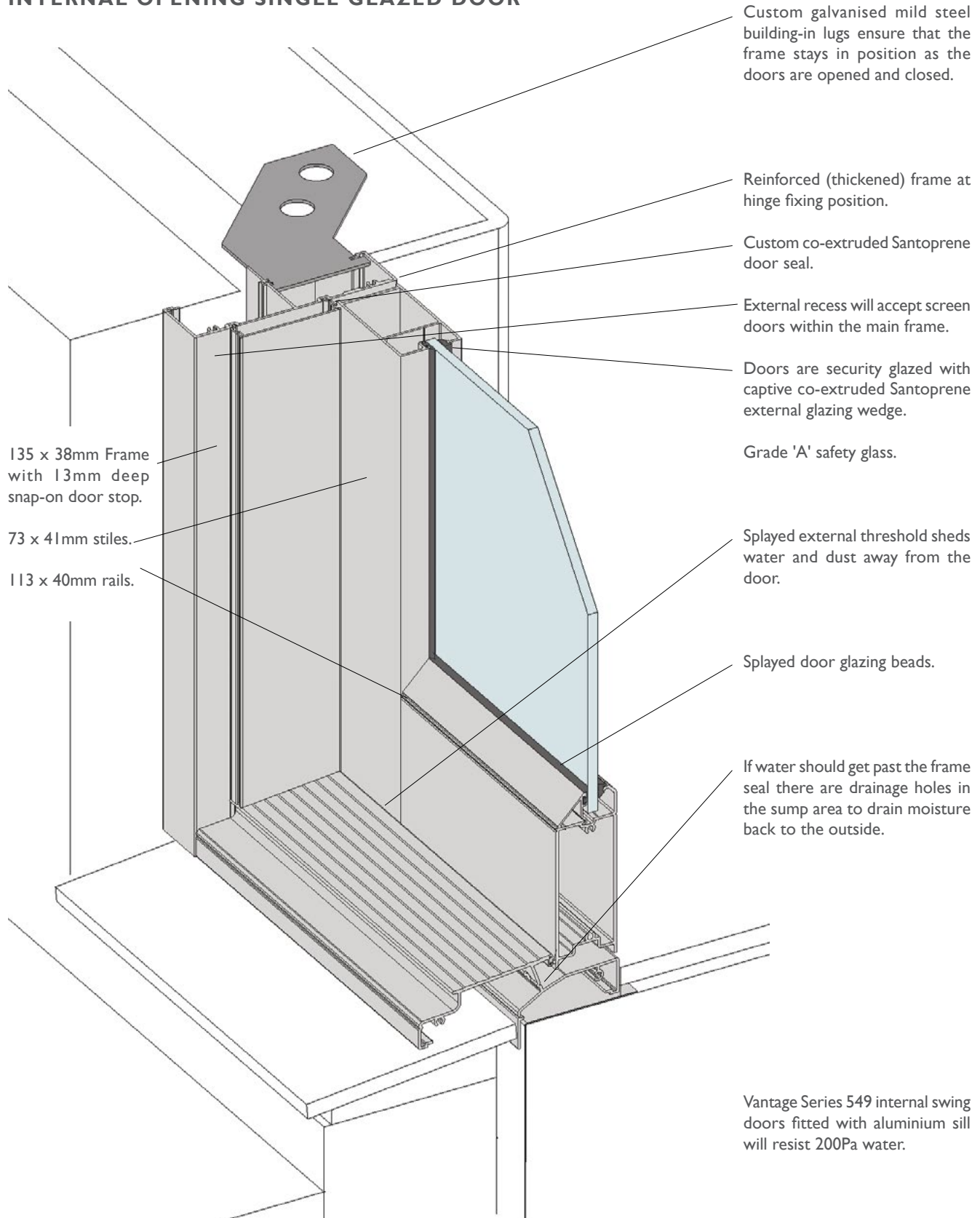
Vantage series 549 doors (open in and open out) have been tested to Australian Standard AS2047 and will resist 200Pa water.



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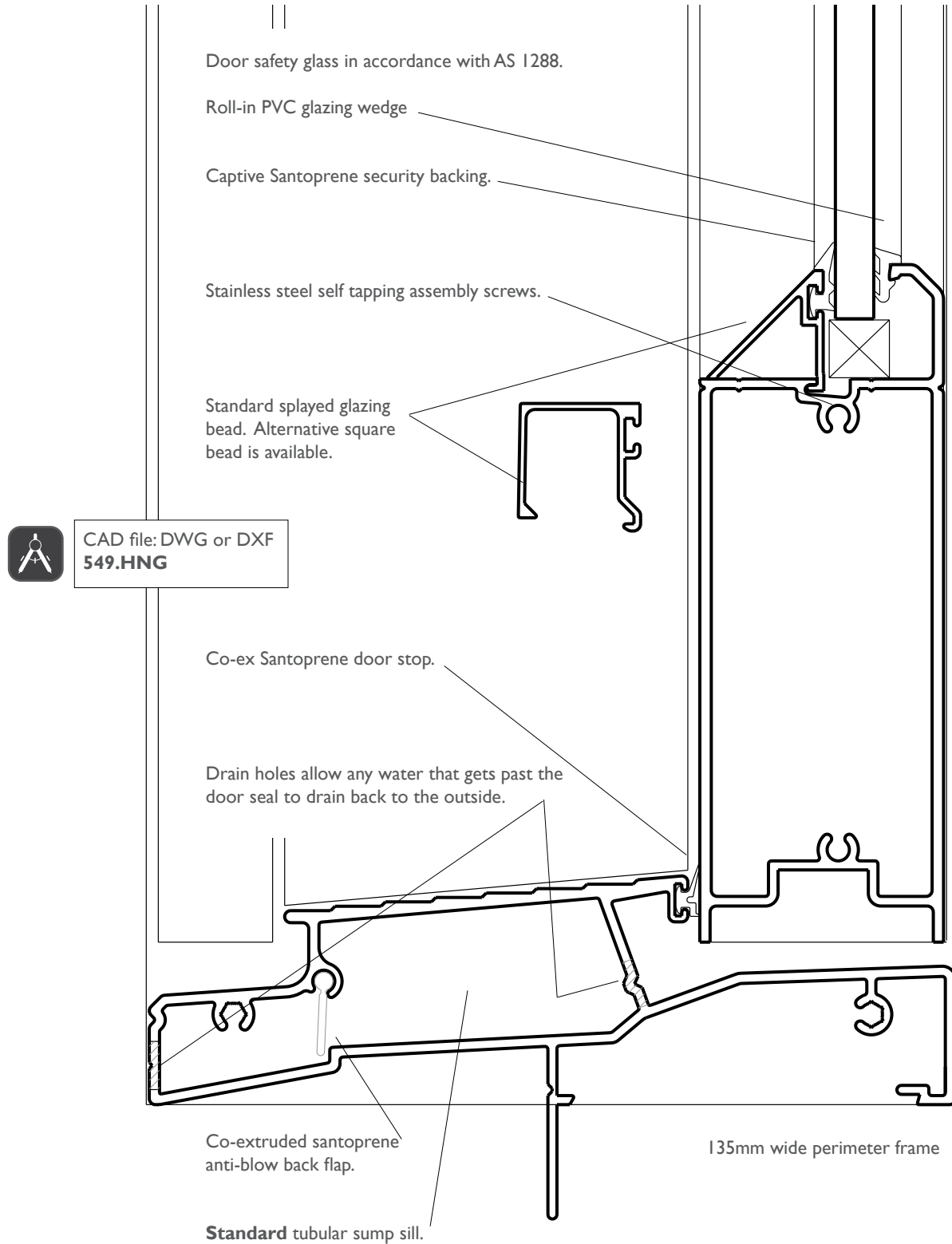
## INTERNAL OPENING SINGLE GLAZED DOOR



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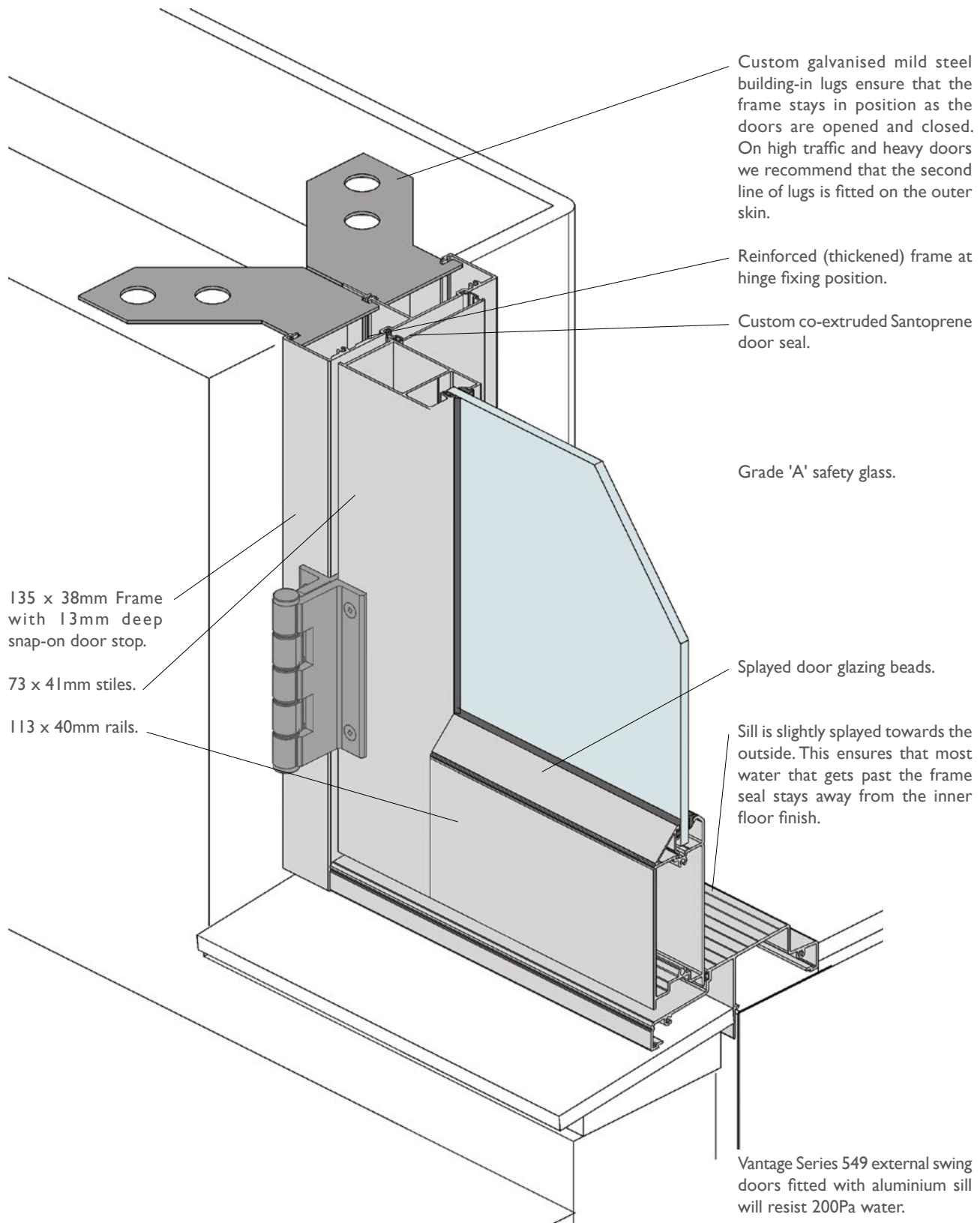
## VERTICAL SECTION THROUGH INTERNAL SWING DOOR



# Series 549 Hinged Entry Door

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## EXTERNAL OPENING SINGLE GLAZED DOOR WITH PARLIAMENT HINGE - CLOSED



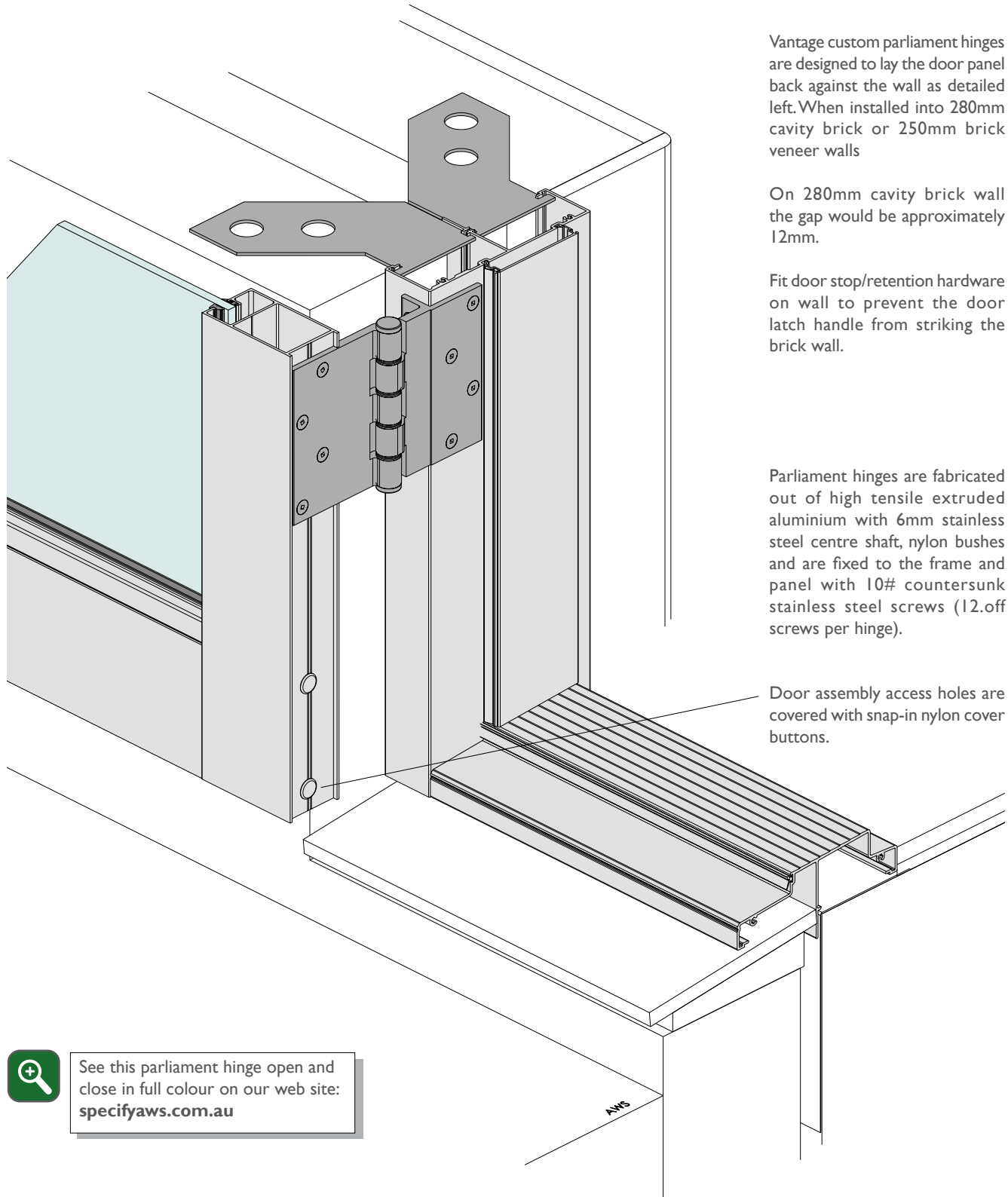
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# Series 549 Hinged Entry Door

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## EXTERNAL OPENING SINGLE GLAZED DOOR WITH PARLIAMENT HINGE - OPEN



See this parliament hinge open and close in full colour on our web site: [specifyaws.com.au](http://specifyaws.com.au)

## PARLIAMENT HINGE DETAILS

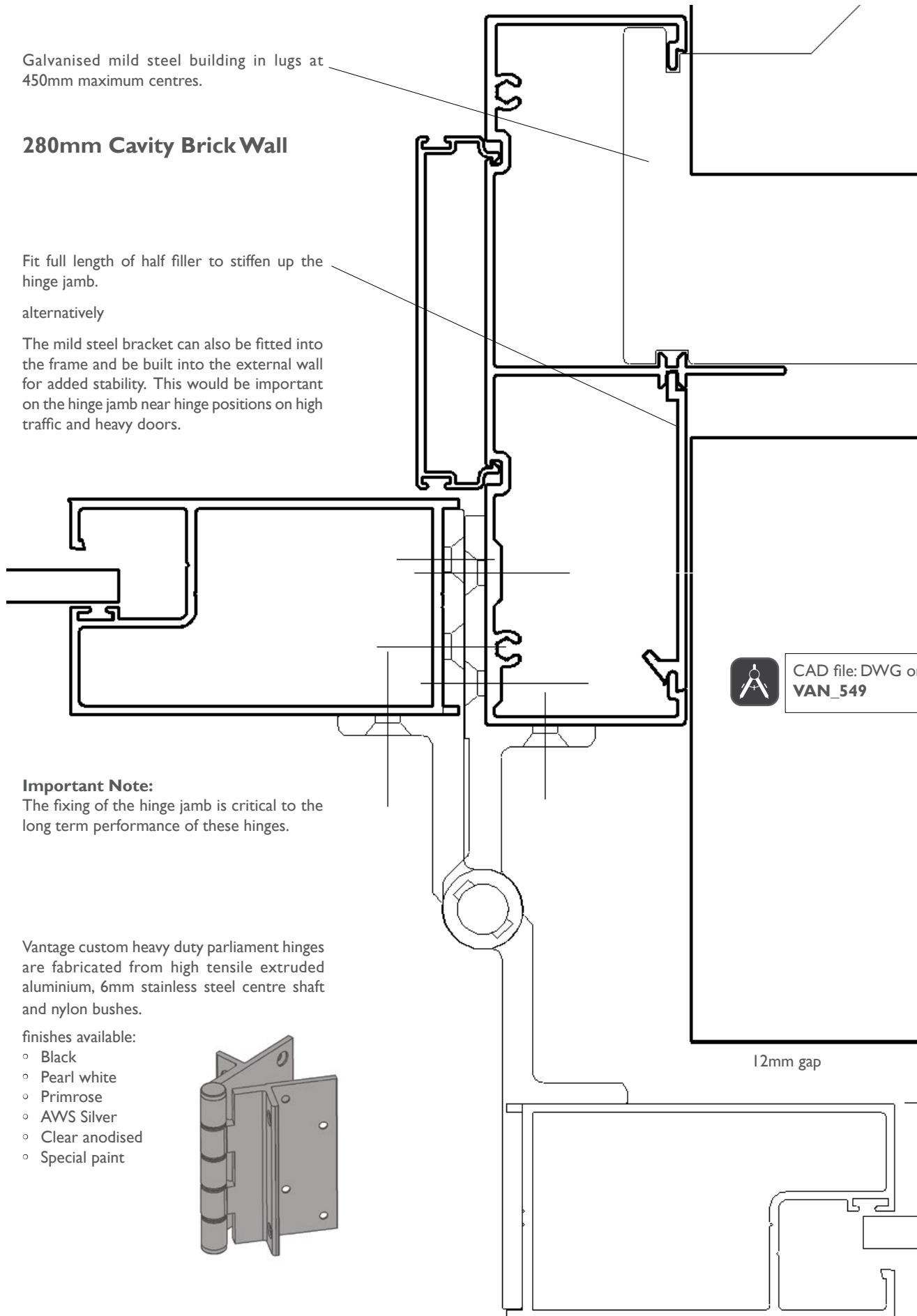
Galvanised mild steel building in lugs at 450mm maximum centres.

### 280mm Cavity Brick Wall

Fit full length of half filler to stiffen up the hinge jamb.

alternatively

The mild steel bracket can also be fitted into the frame and be built into the external wall for added stability. This would be important on the hinge jamb near hinge positions on high traffic and heavy doors.



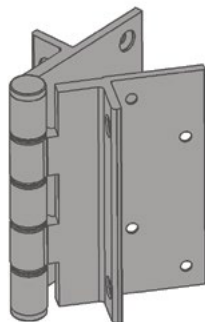
#### Important Note:

The fixing of the hinge jamb is critical to the long term performance of these hinges.

Vantage custom heavy duty parliament hinges are fabricated from high tensile extruded aluminium, 6mm stainless steel centre shaft and nylon bushes.

finishes available:

- Black
- Pearl white
- Primrose
- AWS Silver
- Clear anodised
- Special paint



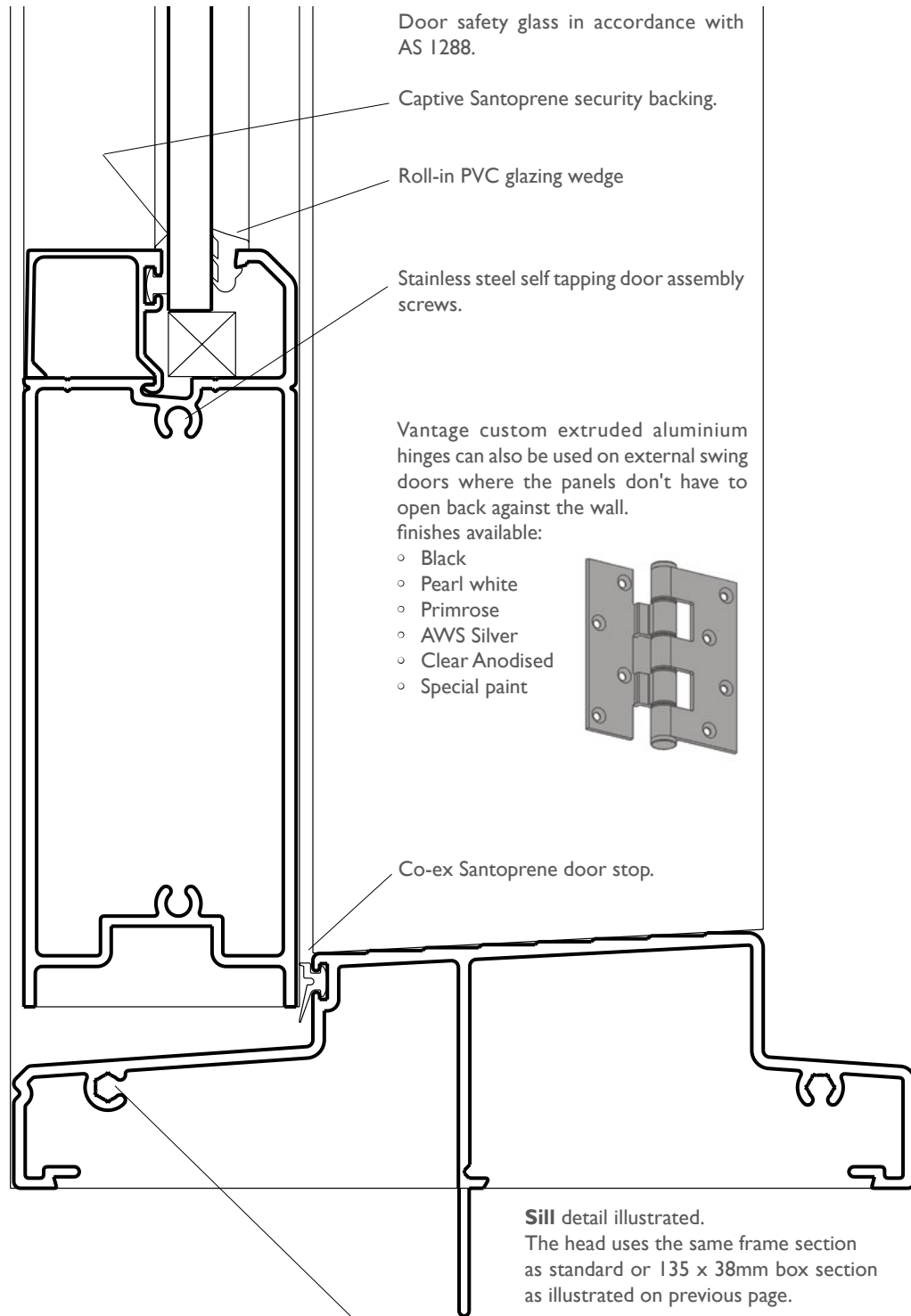
CAD file: DWG or DXF  
VAN\_549

12mm gap

Series 549  
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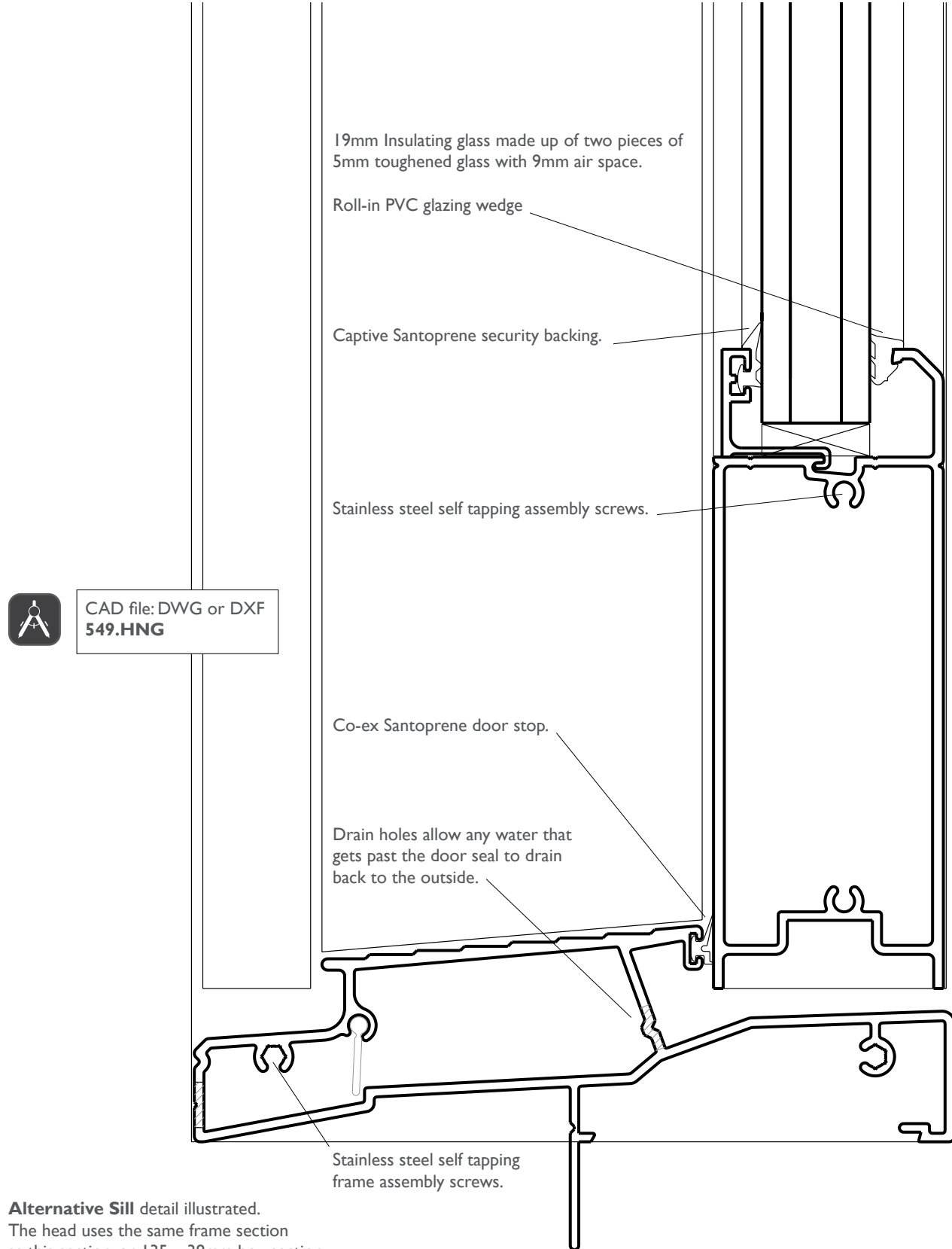
VERTICAL SECTION THROUGH EXTERNAL SWING DOOR



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## VERTICAL SECTION THROUGH DOUBLE GLAZED DOOR

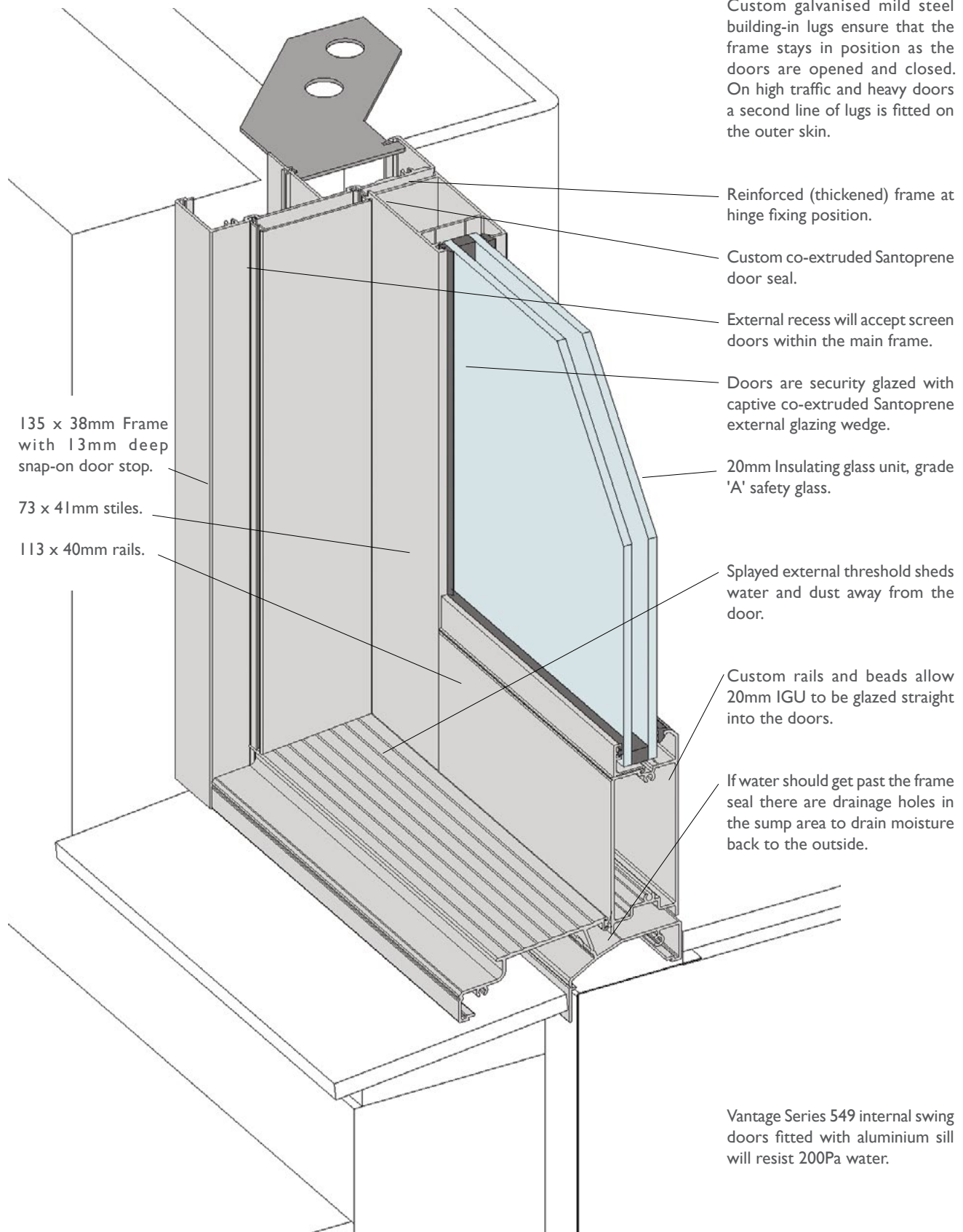


**Alternative Sill** detail illustrated.  
The head uses the same frame section  
as this section, or 135 x 38mm box section.

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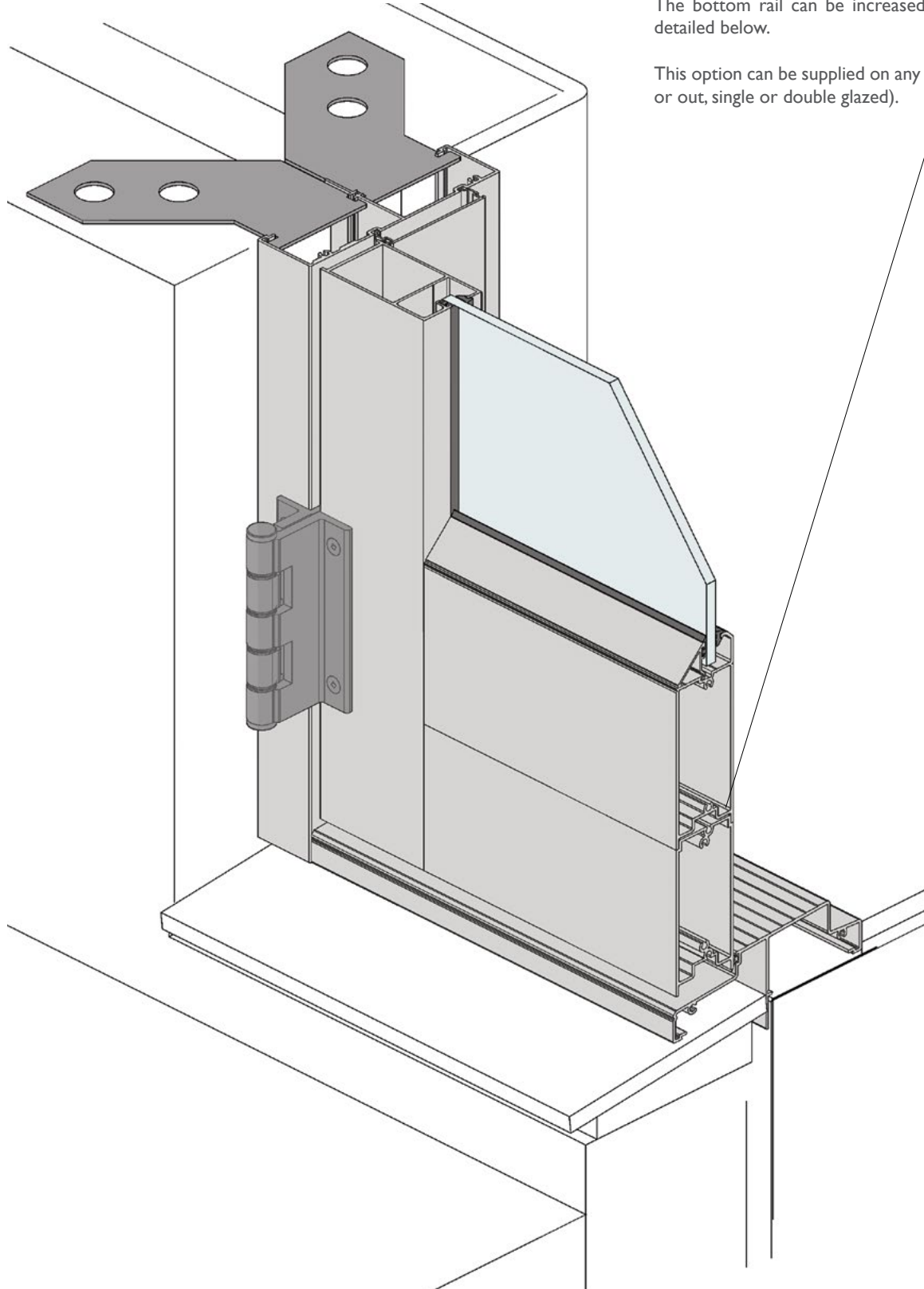
## INTERNAL OPENING DOUBLE GLAZED DOOR



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## OPTIONAL TALL BOTTOM RAIL



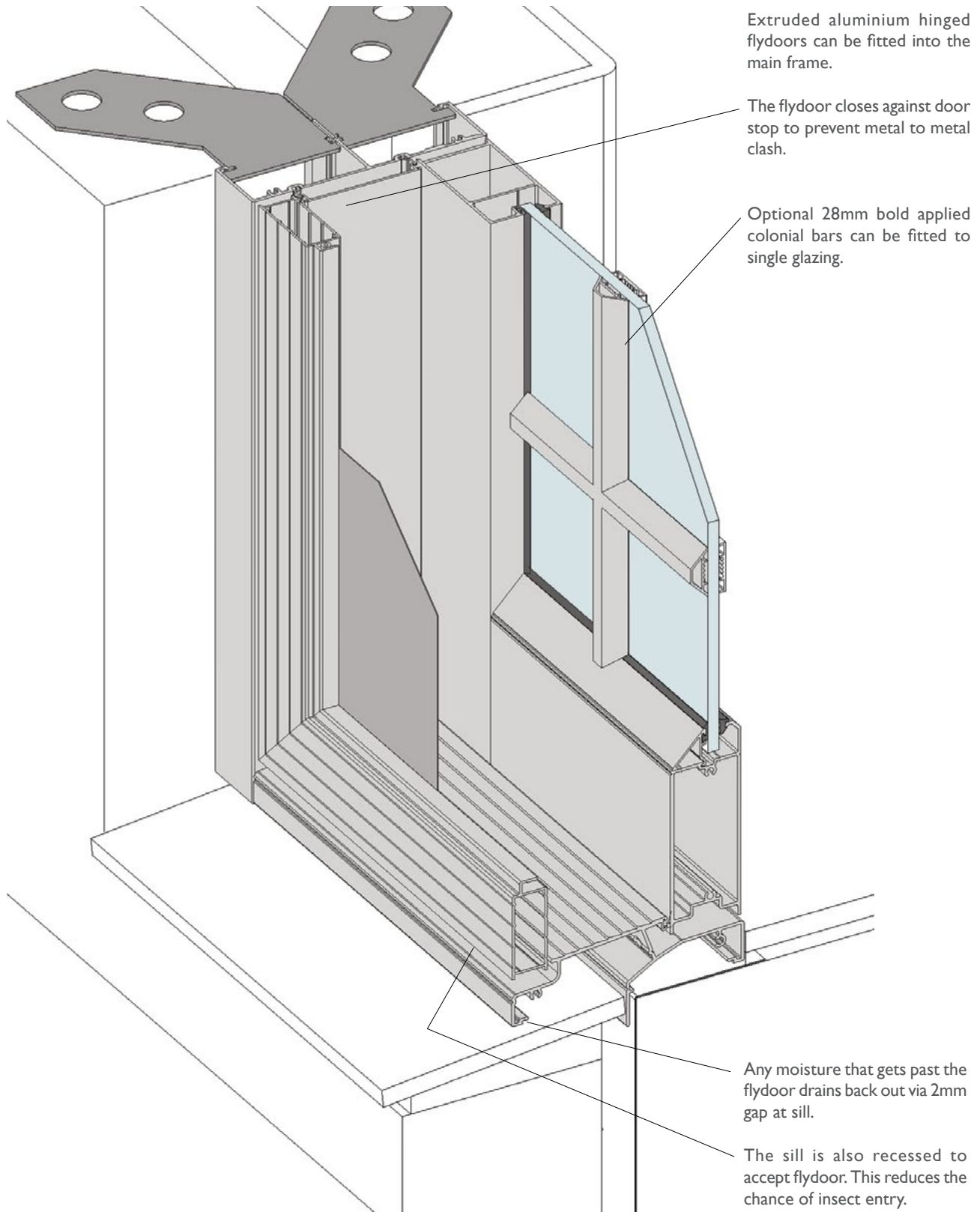
The bottom rail can be increased by 85mm as detailed below.

This option can be supplied on any door (open in or out, single or double glazed).

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## OPTIONAL FLYDOOR AND OPTIONAL COLONIAL BARS

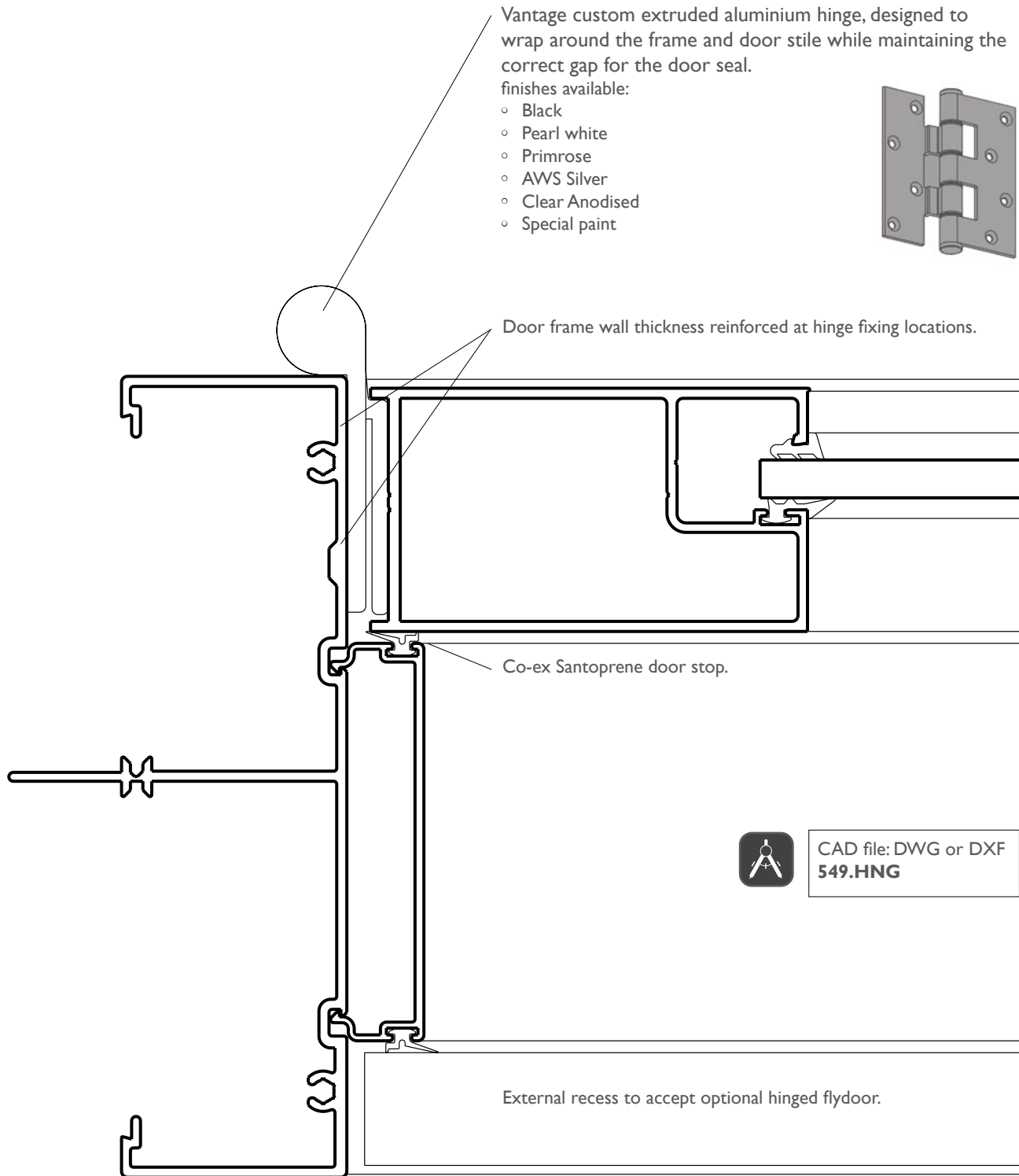




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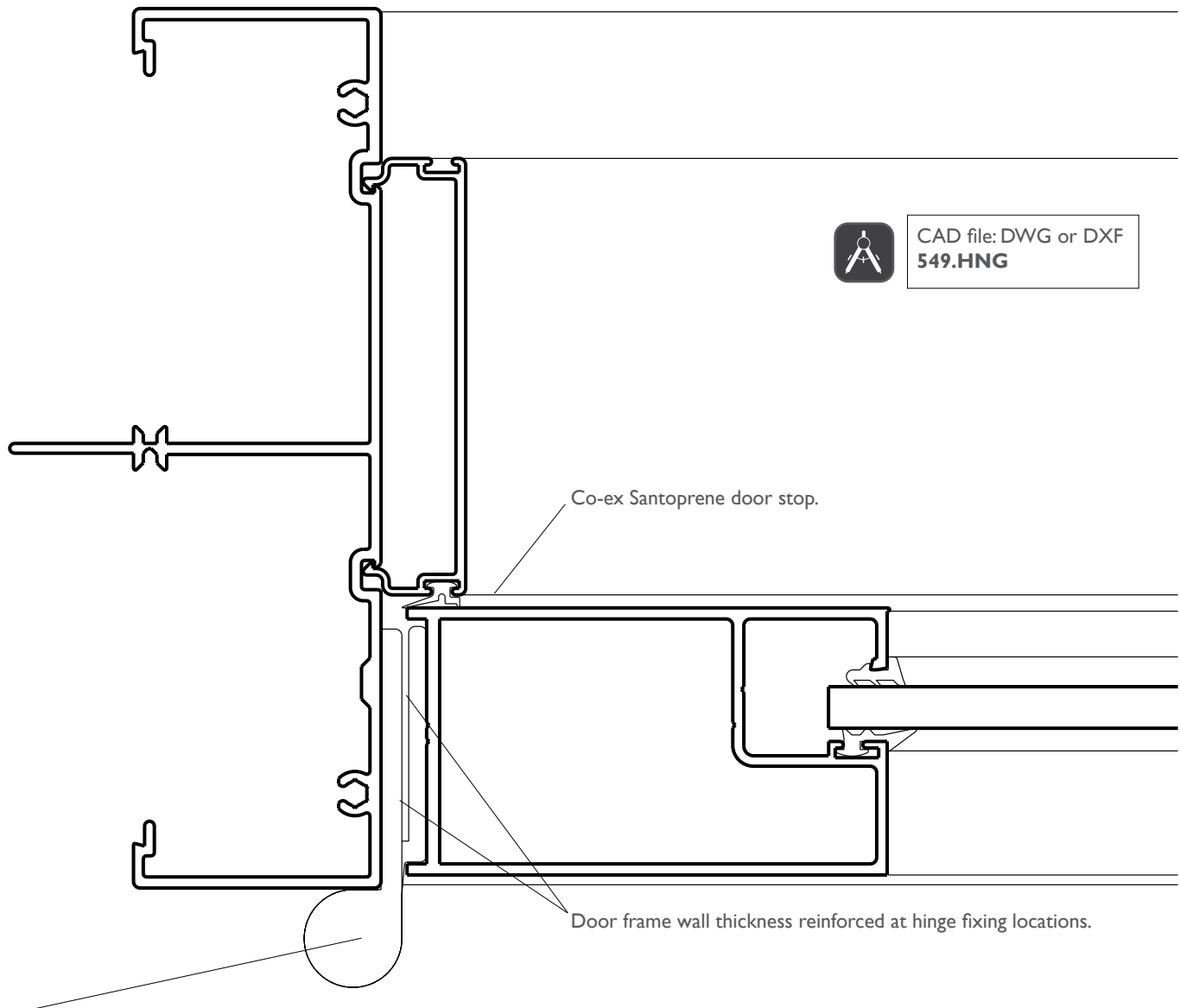
## HORIZONTAL SECTION THROUGH INTERNAL OPENING DOOR



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## HORIZONTAL SECTION THROUGH EXTERNAL OPENING DOOR

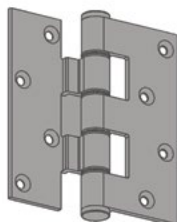


Vantage custom extruded aluminium hinge can be used on external swing doors - Doors won't open back against the wall if wall thickness exceeds 135mm.

Parliament hinges are available for Series 549 external swing doors and have been illustrated earlier in these notes.

finishes available:

- Black
- Pearl white
- Primrose
- AWS Silver
- Clear Anodised
- Special paint



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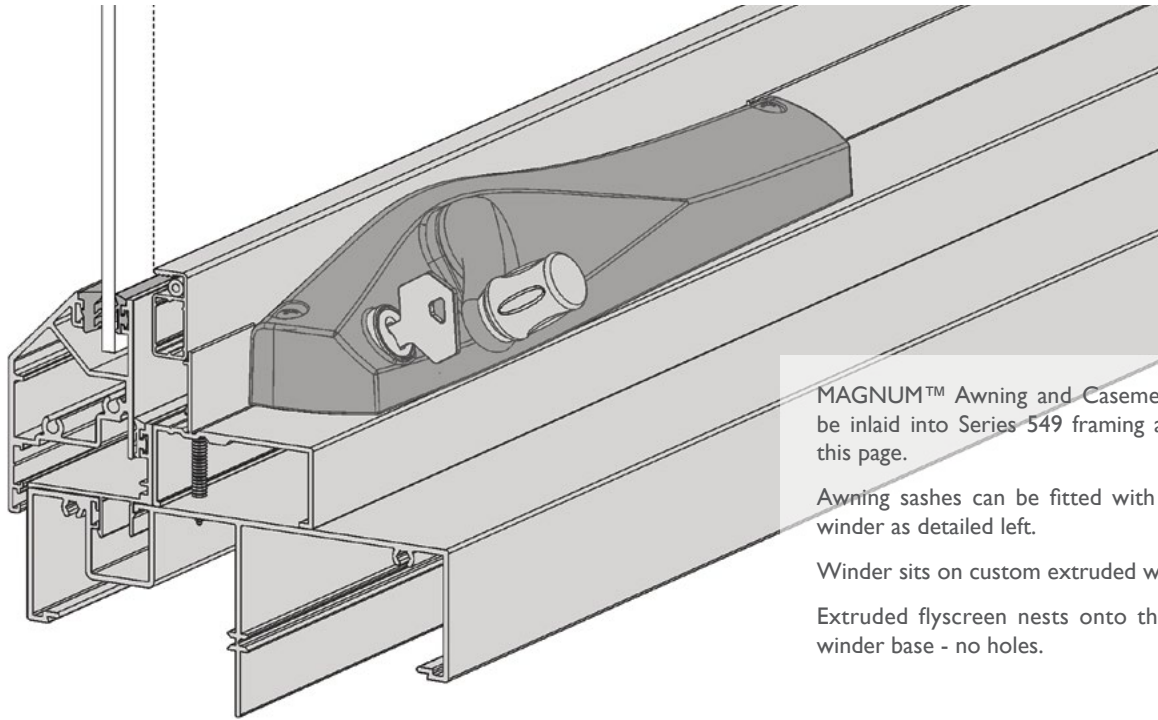
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# Series 549 Hinged Entry Door

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REPLACES: NOV 09  
SCALE: NOT TO SCALE

## OPTIONAL MAGNUM™ AWNING AND CASEMENT SASH INLAYS

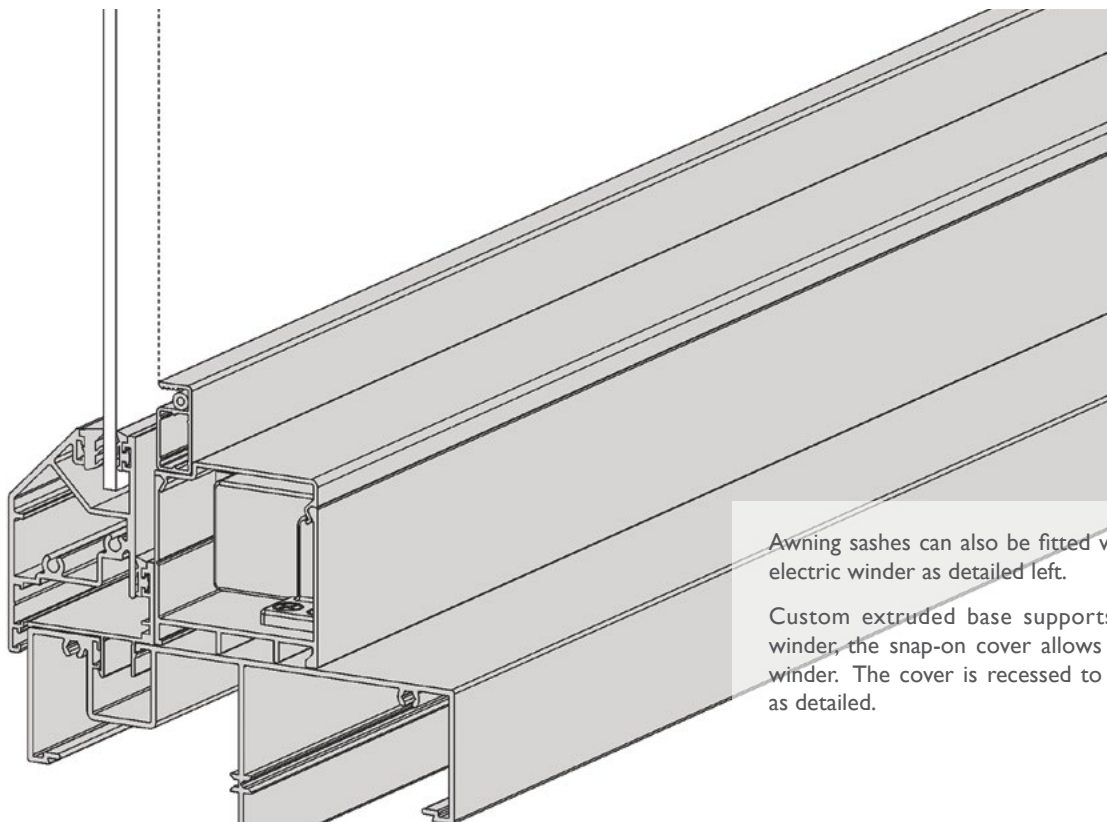


MAGNUM™ Awning and Casement sashes can be inlaid into Series 549 framing as detailed on this page.

Awning sashes can be fitted with manual chain winder as detailed left.

Winder sits on custom extruded winder base.

Extruded flyscreen nests onto the winder and winder base - no holes.



Awning sashes can also be fitted with concealed electric winder as detailed left.

Custom extruded base supports the electric winder, the snap-on cover allows access to the winder. The cover is recessed to accept screen as detailed.

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## 250MM BRICK VENEER BUILDING-IN DETAIL

Timber architrave.

19mm Timber reveal.

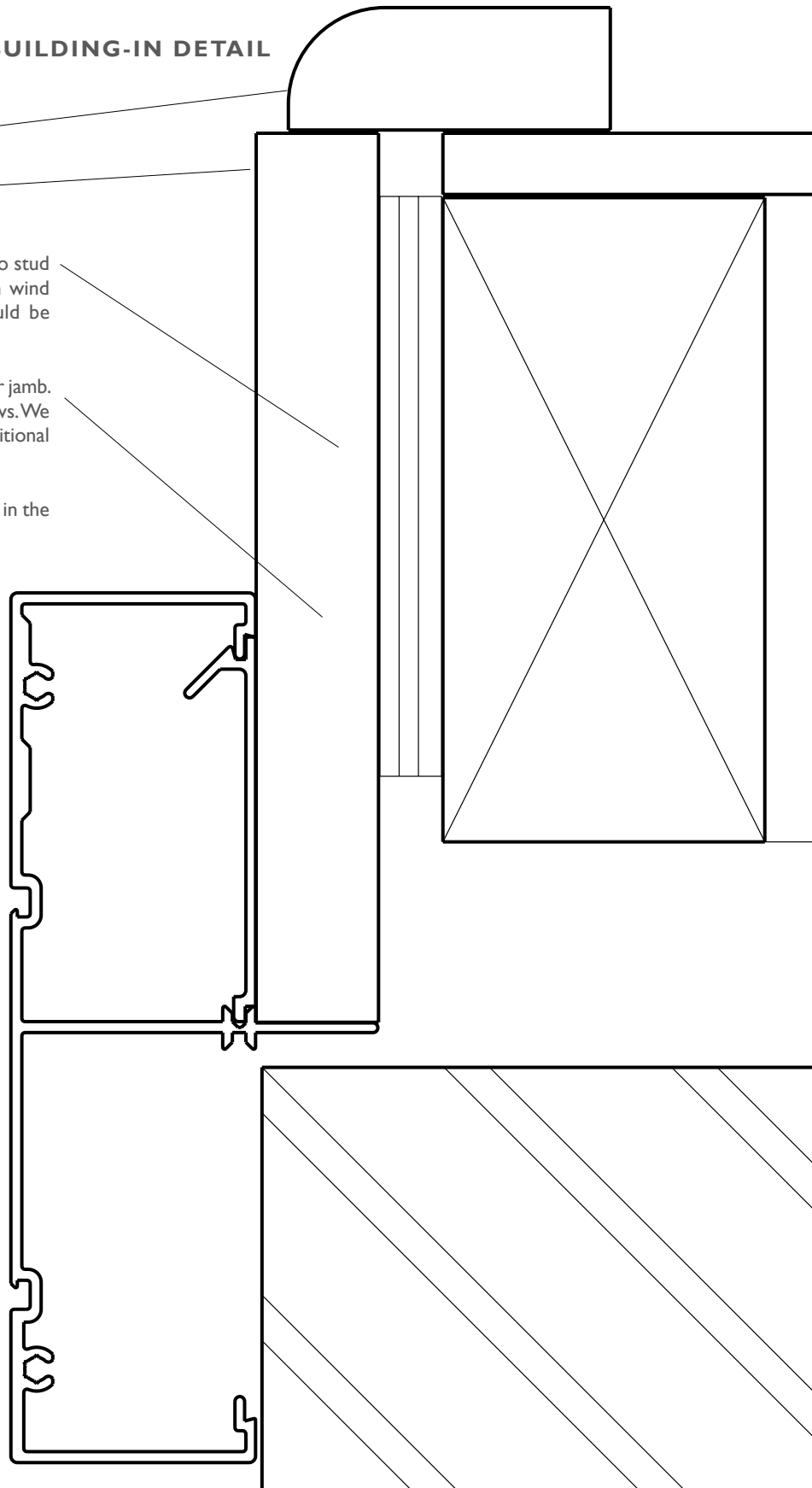
Nail the timber reveal through shims to stud at 450mm maximum centres. In high wind load areas these fixing centres should be reduced.

Optional additional reveal fixing to door jamb. 25 x 8# Pan head s.s. self tapping screws. We use frame half closer to pick up this additional line of fixings.

Timber reveal fixed to frame nailing fin in the usual method (nails or screws).



CAD file: DWG or DXF  
**549.HNG**



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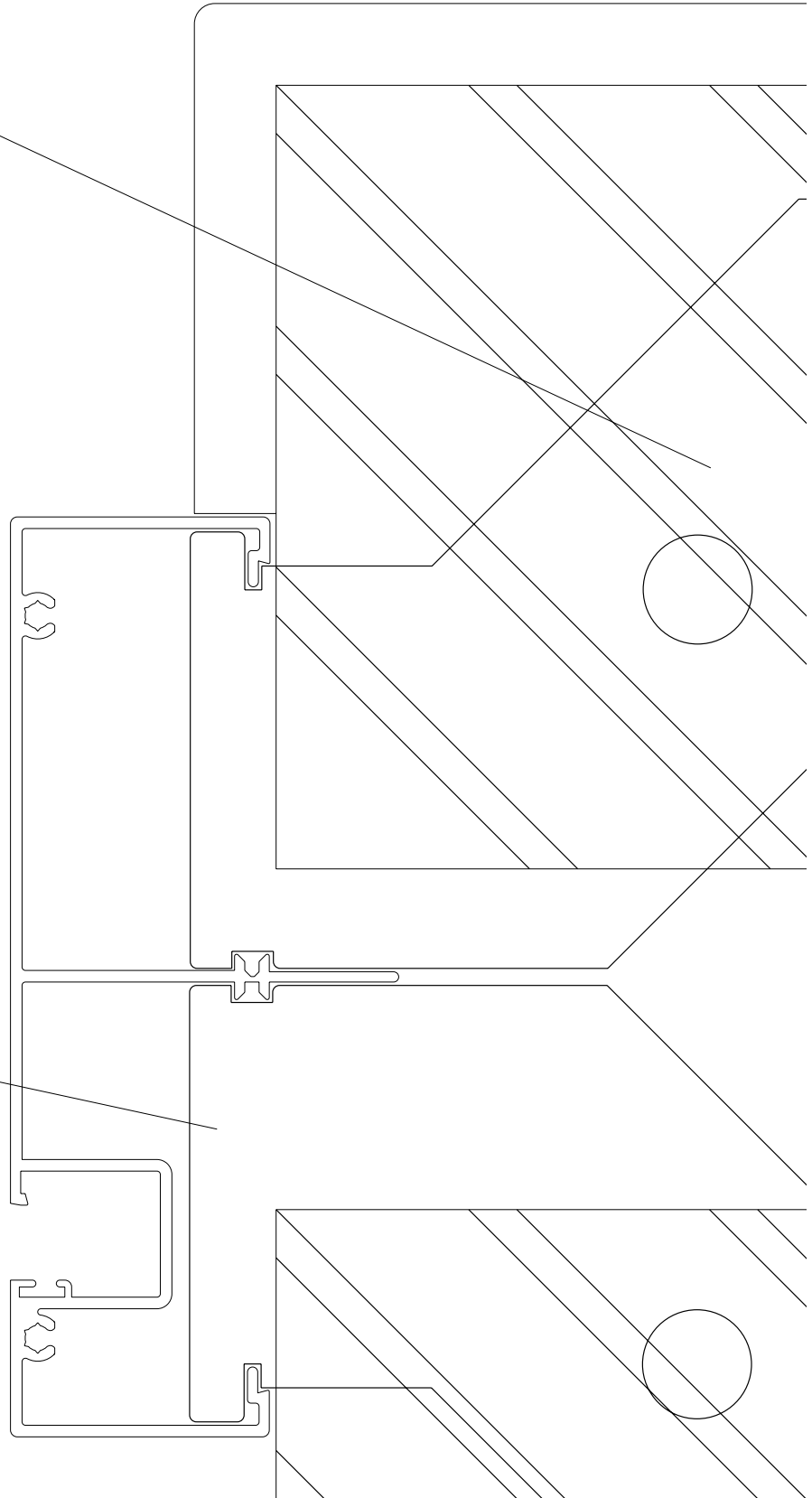
### 280MM CAVITY BRICK BUILDING-IN DETAIL

Galvanised mild steel building in lugs at 450mm maximum centres. In high wind load areas these fixing centres should be reduced.



CAD file: DWG or DXF  
**549.HNG**

The mild steel bracket can also be fitted into the frame and be built into the external wall for added stability. This would be important on the hinge jamb near hinge positions on high traffic and heavy doors.

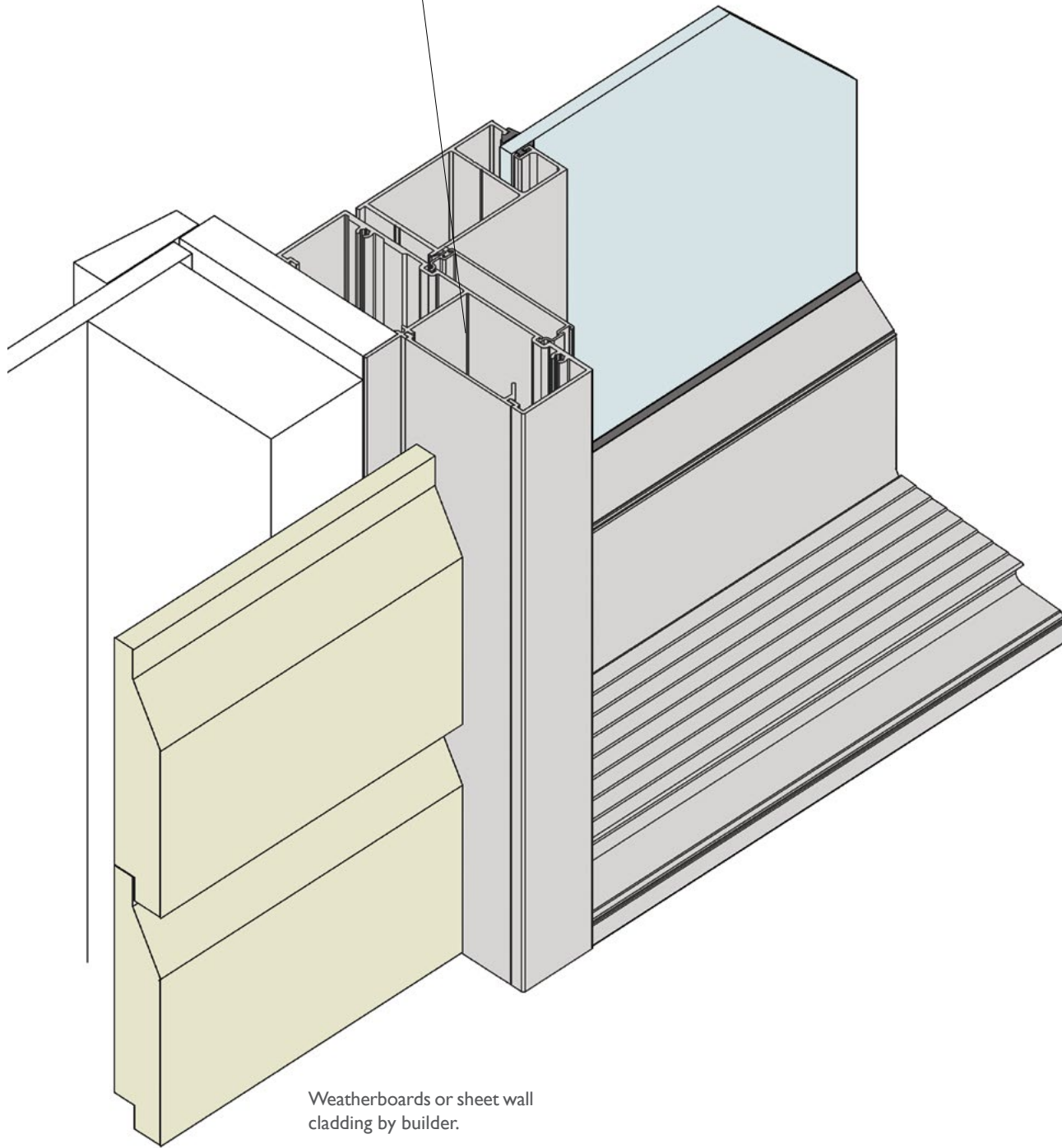


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## 100MM STUD WALL BUILDING-IN DETAIL

Door frames installed into 100mm stud walls can be supplied with optional half closer in the outer jamb recess.





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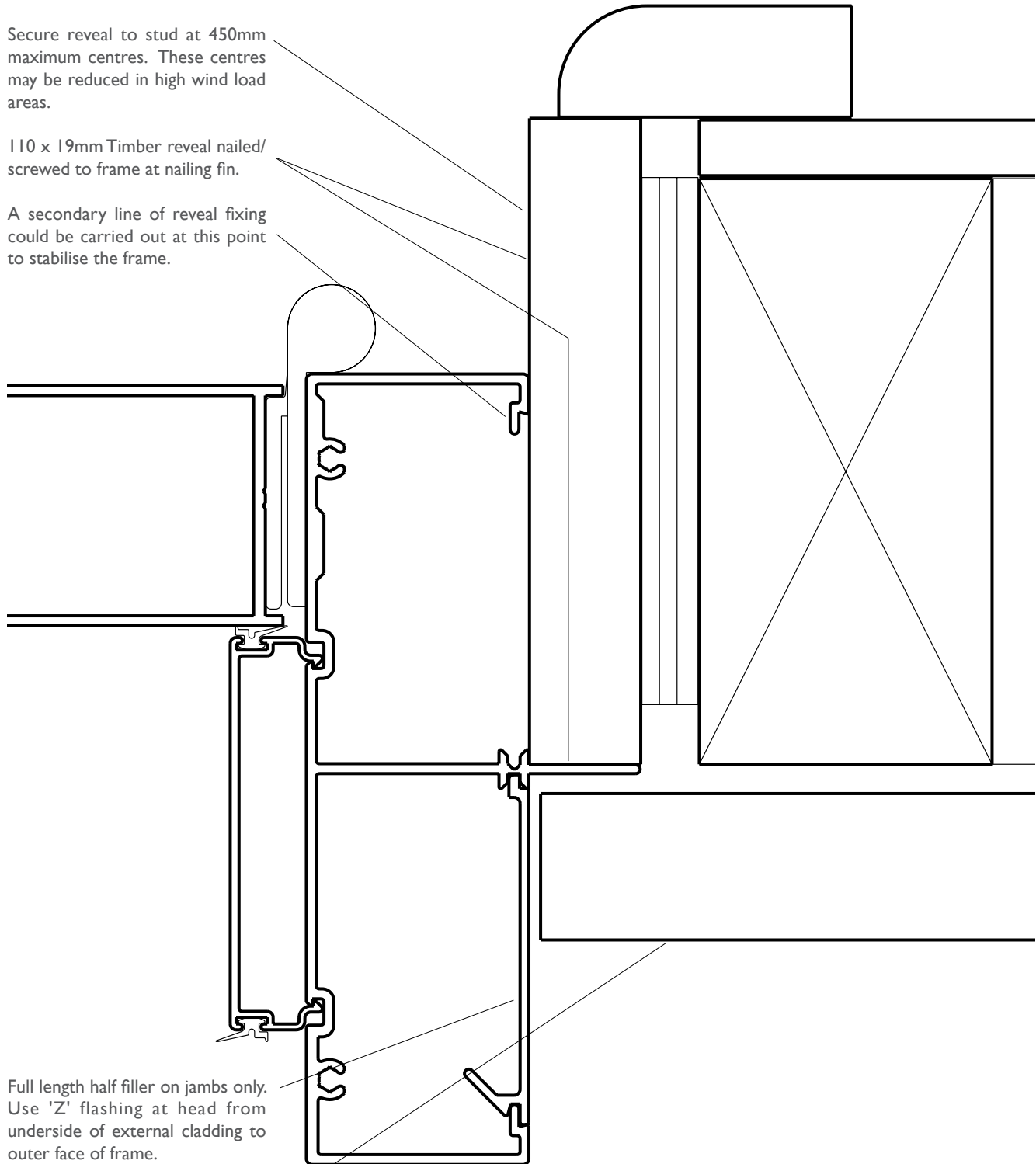
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## 100MM STUD WALL BUILDING-IN DETAIL

Secure reveal to stud at 450mm maximum centres. These centres may be reduced in high wind load areas.

110 x 19mm Timber reveal nailed/screwed to frame at nailing fin.

A secondary line of reveal fixing could be carried out at this point to stabilise the frame.



Full length half filler on jambs only. Use 'Z' flashing at head from underside of external cladding to outer face of frame.

External wall cladding and trim by builder

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## 100MM STUD WALL BUILDING-IN DETAIL

Timber architrave.

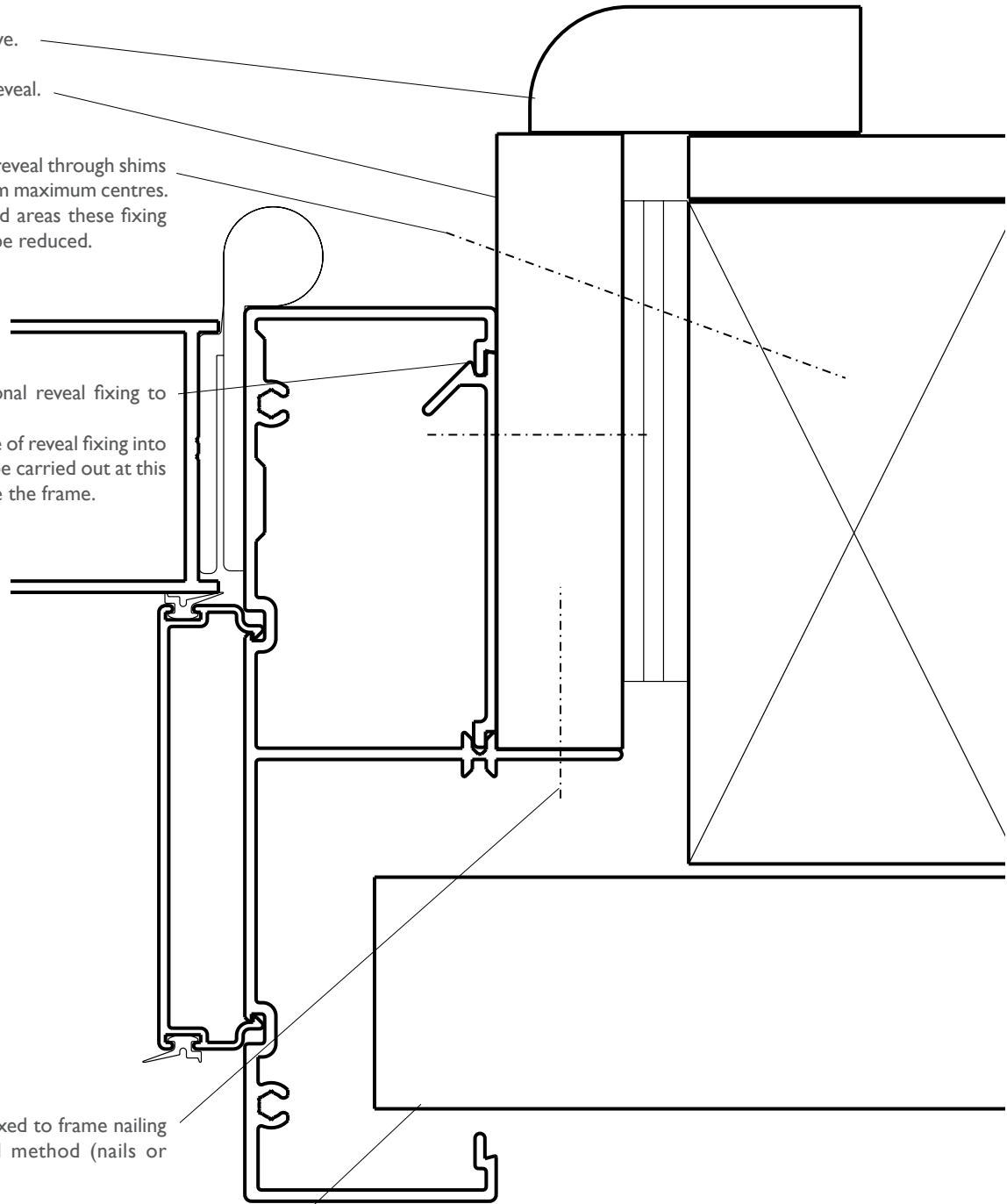
19mm Timber reveal.

Nail the timber reveal through shims to stud at 450mm maximum centres. In high wind load areas these fixing centres should be reduced.

Optional additional reveal fixing to door jamb. A secondary line of reveal fixing into half filler could be carried out at this point to stabilise the frame.

Timber reveal fixed to frame nailing fin in the usual method (nails or screws).

External wall cladding can be tucked into the frame as detailed.



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## CENTOR SCREENING PRODUCTION FEATURES

By far the largest and most robust retractable screening system on the market. The detail in this section shows the screen fitted behind Series 549 hinged door. The screen can be fitted to any of the hinged door configurations.

The S4 screen frame can be coloured to match the hinged door frame.

Load Balancing Technology™ (LBT™) allows for effortless fingertip control. With no spring-loading to fight against, the screen's lead-stile remains firmly in any chosen position until further pressure is applied. Load-balancing also means far greater mesh tension across the screen, eliminating any tendency to sag.

Tight Technology™ manufacturing techniques ensure control of the horizontal edges of the screen so they remain straight and tight across the widest spans.

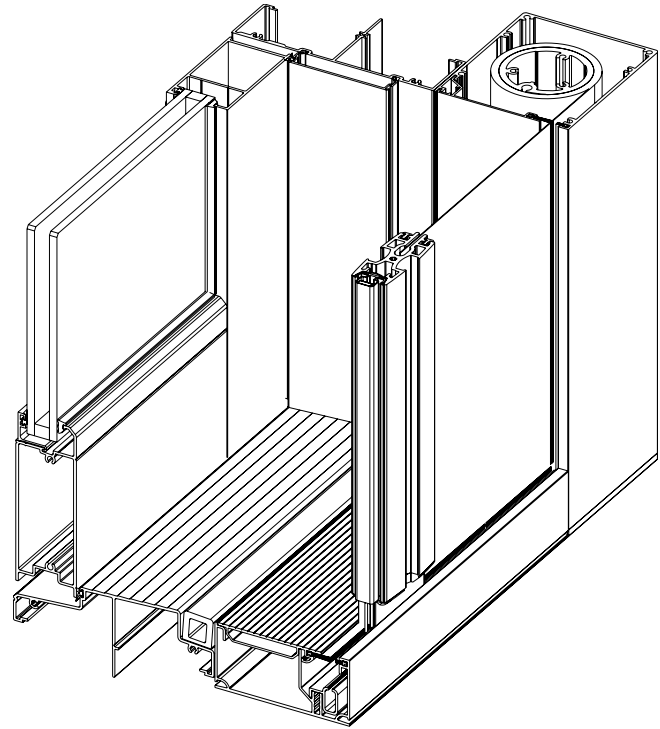
A shock absorption system allows visitors taken in by the screen's unobtrusiveness and near invisibility to walk away with little more than a surprise.

Should strong winds blow the screen out of the top or bottom channels the mesh will self-feed back onto the roll as it is rolled away.

The S4 screen is an evolution of the highly successful S1 screen with completely redesigned operating system including top and bottom tabs on the mesh to improve blowout resistance and allow blackout blinds to be added.

S4 is manufactured in stainless steel and reinforced engineered polymers. PetScreen Lite, the tough PVC coated polyester mesh used in the screen, is hard wearing and resistant to damage from pets and children. The mesh is easy to clean and can be replaced if damaged (service call required).

Large size screens available 3200mm high x 4611mm wide single or 9013mm wide double bi-parting screens (with Standard weave mesh). It's possible with a cavity sliding door and the S4 screen to get about 95% clear opening.



## Screen Maintenance

Screen fabric should be cleaned with a soft brush or a damp soft cloth.

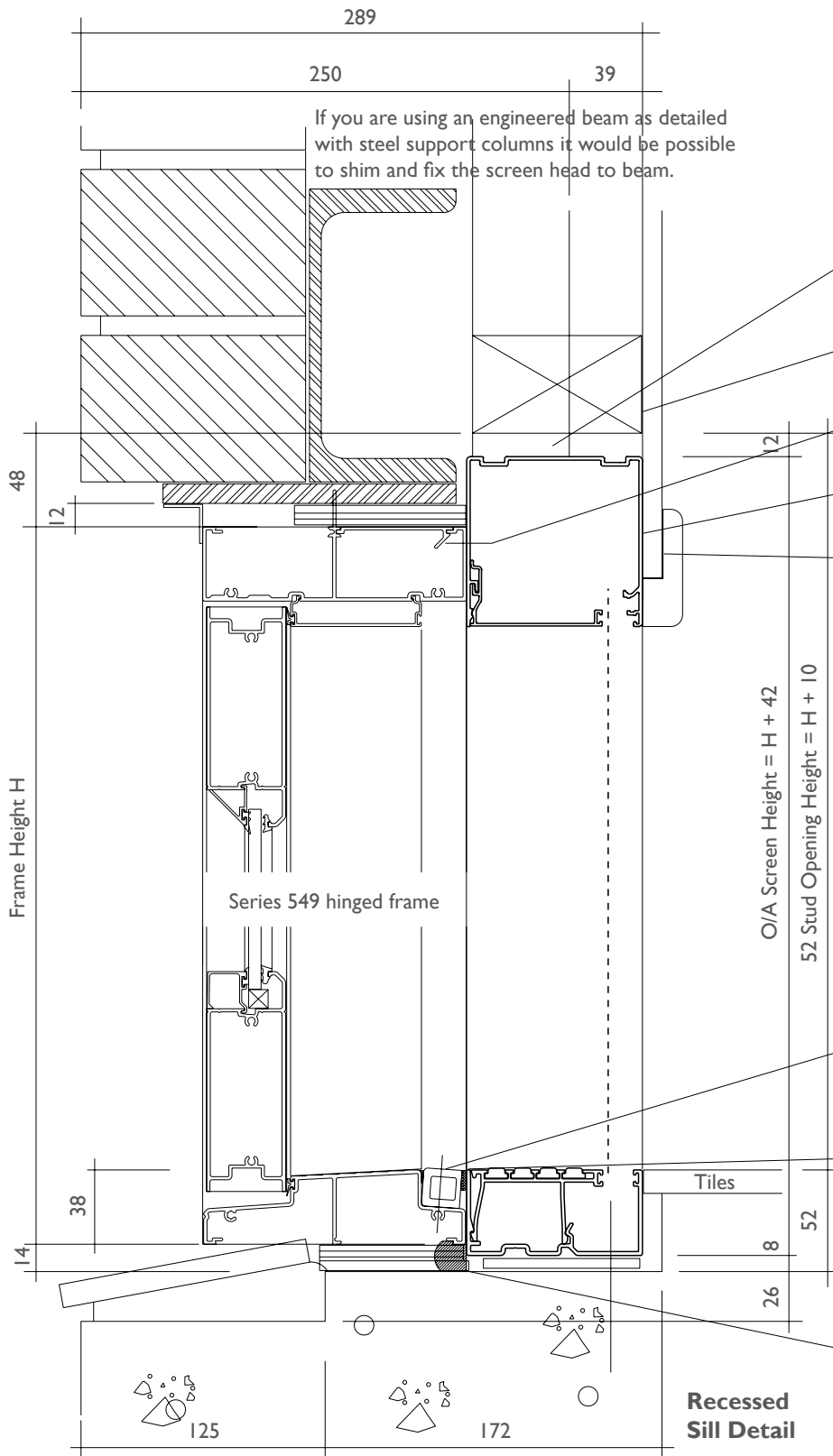
Tracking should be regularly cleaned to prevent the build-up of dirt and debris. A vacuum cleaner fitted with a nozzle is effective. The S4 has an "easy fit" sill cover to facilitate simple cleaning and maintenance by the homeowner.

Operating mechanisms are fully contained and do not require maintenance other than keeping clear of dirt and debris.

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## VERTICAL CROSS SECTION THROUGH HINGED DOORS



**Important Note:**  
The wall is 289mm thick excluding the internal wall lining.

On installations where there is a timber header in lieu of the steel beam illustrated we need to do a couple of things:

- Leave 12mm gap between timber/steel lintel to allow for settlement.
- Gyprock secured to header with fast grab flexible sealant.
- Screw fix screen head to door @ 600 cts.
- Gyprock NOT bonded to the flydoor head.
- Architrave secured to Gyprock with fast grab flexible sealant. Not secured to the flydoor head channel (allow to slip).

Hinged doors can't support the weight of the structure over. Lintels and headers must be capable of supporting the weight of wall and roof over.

**Centor S4 Screening system**  
Maximum screen frame height :  
Flyscreen ONLY = 3200mm with Standard weave mesh

Fill the recess between door and screen sill with aluminium box 10240, screw to sill and fill gaps both sides with Silicone.

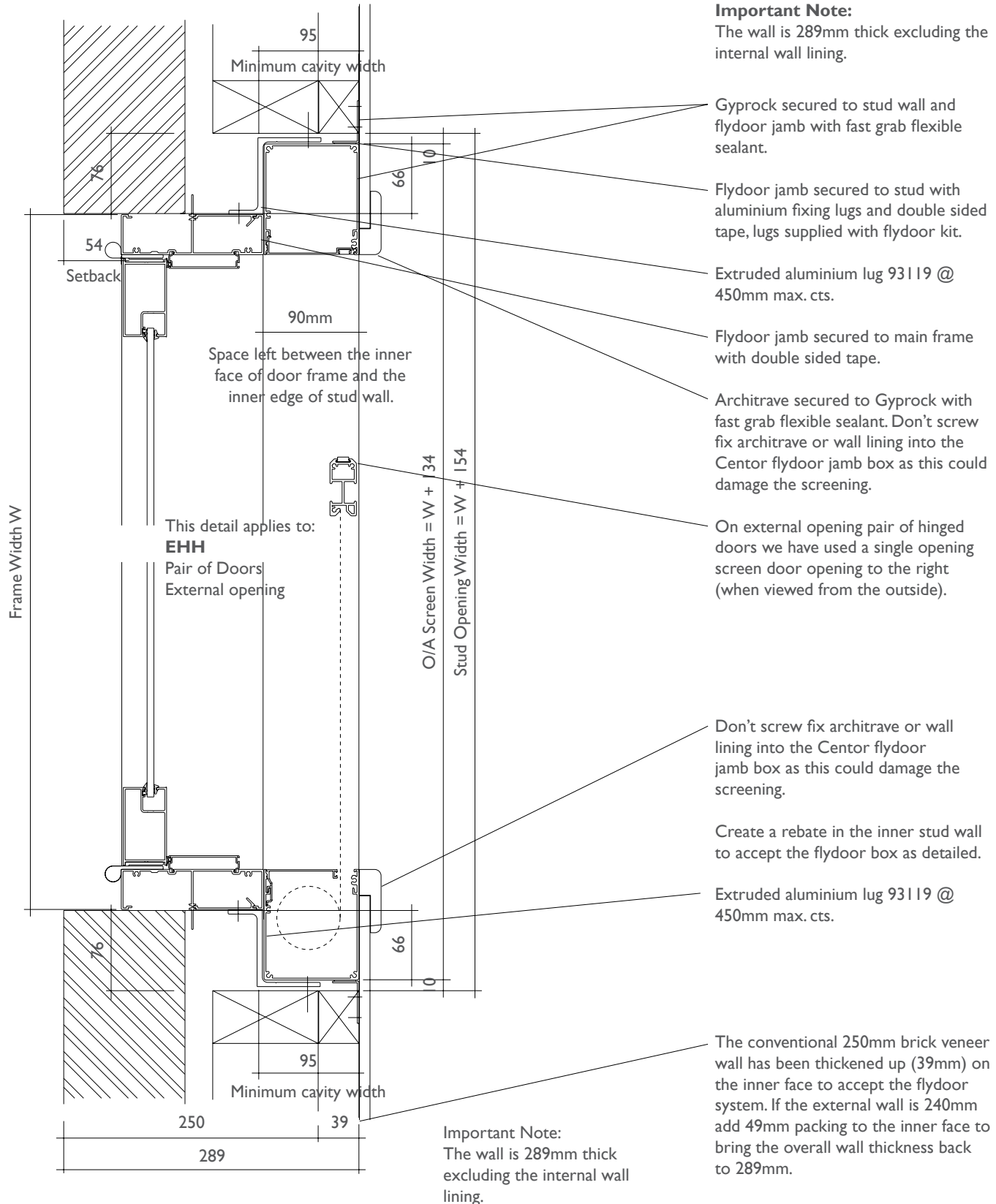
Pack and screw Centor flyscreen sill to structure with the top aligning with the adjoining glass door sill.

Seal main door frame to structure in this area before fitting the screen sill.

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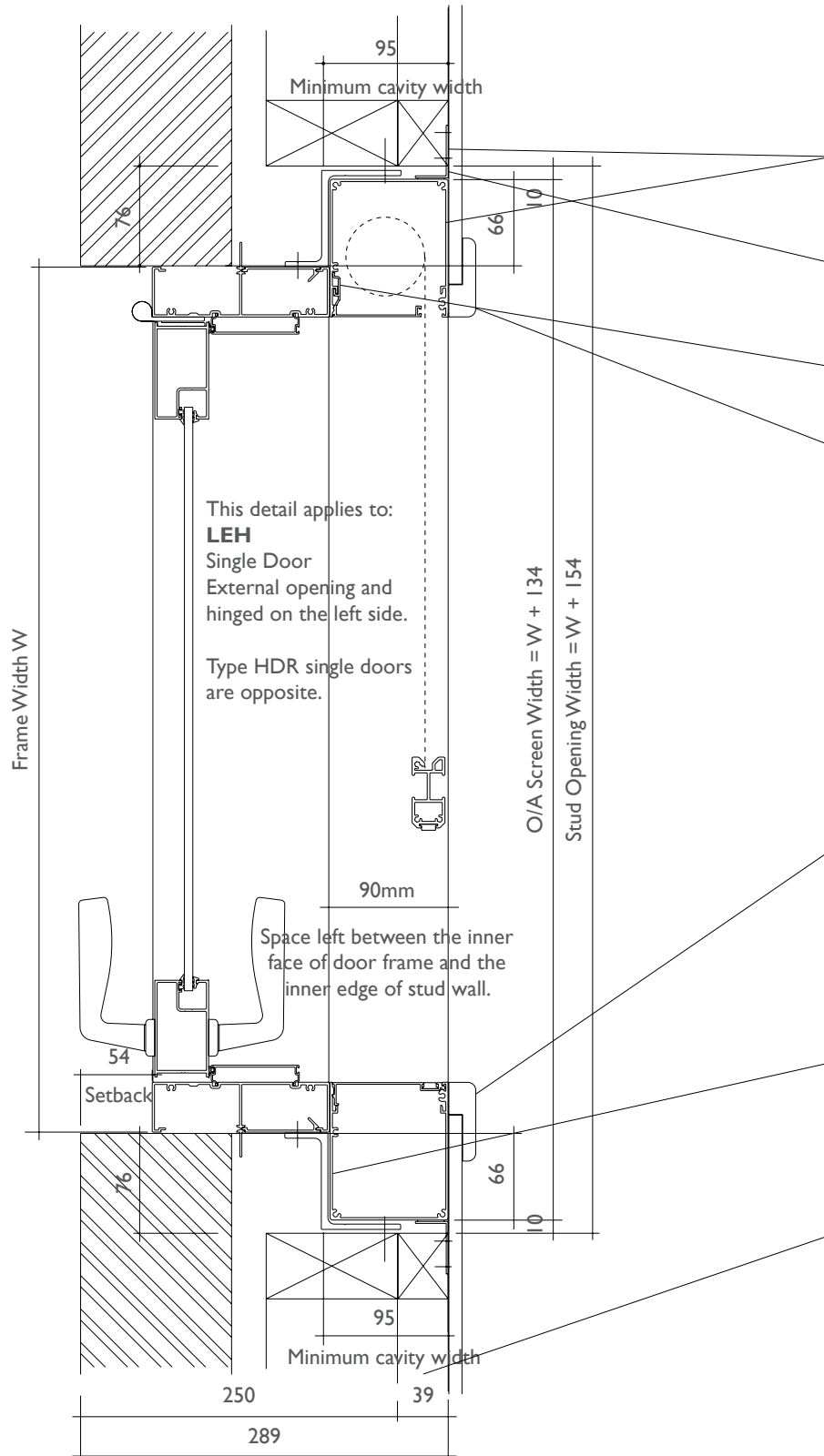
## HORIZONTAL CROSS SECTION THROUGH PAIR OF HINGED DOORS



# Series 549 Hinged Entry Door

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## HORIZONTAL CROSS SECTION LH SINGLE HINGED DOOR SINGLE SWING DOOR WITH SINGLE SCREEN



### Important Note:

The wall is 289mm thick excluding the internal wall lining.

Gyprock secured to stud wall and flydoor jamb with fast grab flexible sealant.

Flydoor jamb secured to stud with aluminium fixing lugs and double sided tape, lugs supplied with flydoor kit.

Flydoor jamb secured to main frame with double sided tape.

Architrave secured to Gyprock with fast grab flexible sealant. Don't screw fix architrave or wall lining into the Centor flydoor jamb box as this could damage the screening.

This detail applies to:  
**LEH**  
Single Door  
External opening and hinged on the left side.  
Type HDR single doors are opposite.

Don't screw fix architrave or wall lining into the Centor flydoor jamb box as this could damage the screening.

Create a rebate in the inner stud wall to accept the flydoor box as detailed.

Extruded aluminium lug 93119 @ 450mm max. cts.

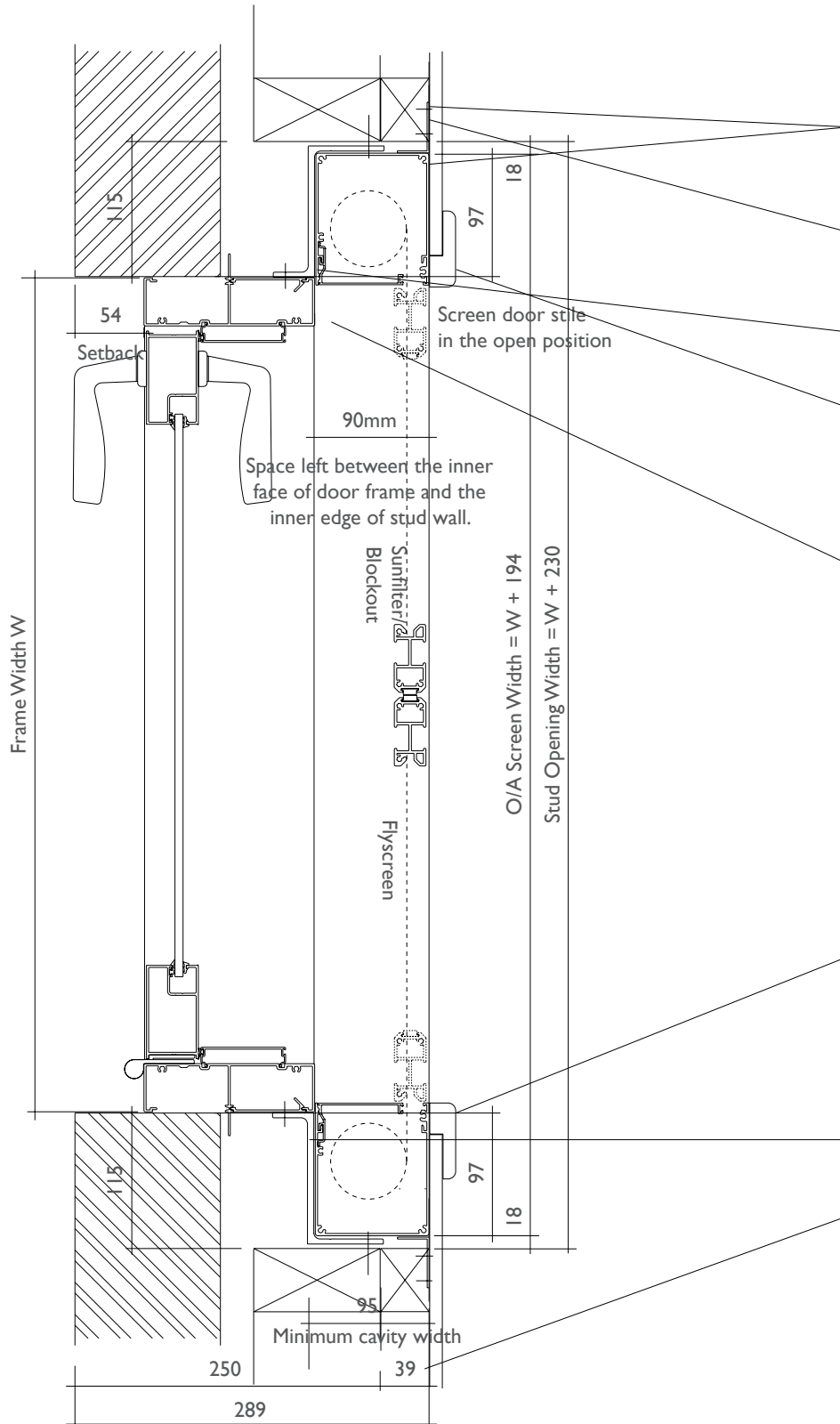
The conventional 250mm brick veneer wall has been thickened up (39mm) on the inner face to accept the flydoor system.

If the external wall is 240mm add 49mm packing to the inner face to bring the overall wall thickness back to 289mm.

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## HORIZONTAL CROSS SECTION RH SINGLE HINGED DOOR SINGLE SWING DOOR WITH COMBO DOUBLE SCREEN



**Important Note:**  
The wall is 289mm thick excluding the internal wall lining.

Gyprock secured to stud wall and flydoor jamb with fast grab flexible sealant.

Flydoor jamb secured to stud with aluminium fixing lugs and double sided tape, lugs supplied with flydoor kit.

Flydoor jamb secured to main frame with double sided tape.

Architrave secured to Gyprock with fast grab flexible sealant. Don't screw fix architrave or wall lining into the Centor flydoor jamb box as this could damage the screening.

When using a combo screen on a single hinged door the canisters are rebated 30mm to improve internal access to the glass door lock.

Don't screw fix architrave or wall lining into the Centor flydoor jamb box as this could damage the screening.

Create a rebate in the inner stud wall to accept the flydoor box as detailed. Extruded aluminium lug 93120 @ 450mm max. cts.

The conventional 250mm brick veneer wall has been thickened up (39mm) on the inner face to accept the flydoor system.

If the external wall is 240mm add 49mm packing to the inner face to bring the overall wall thickness back to 289mm.