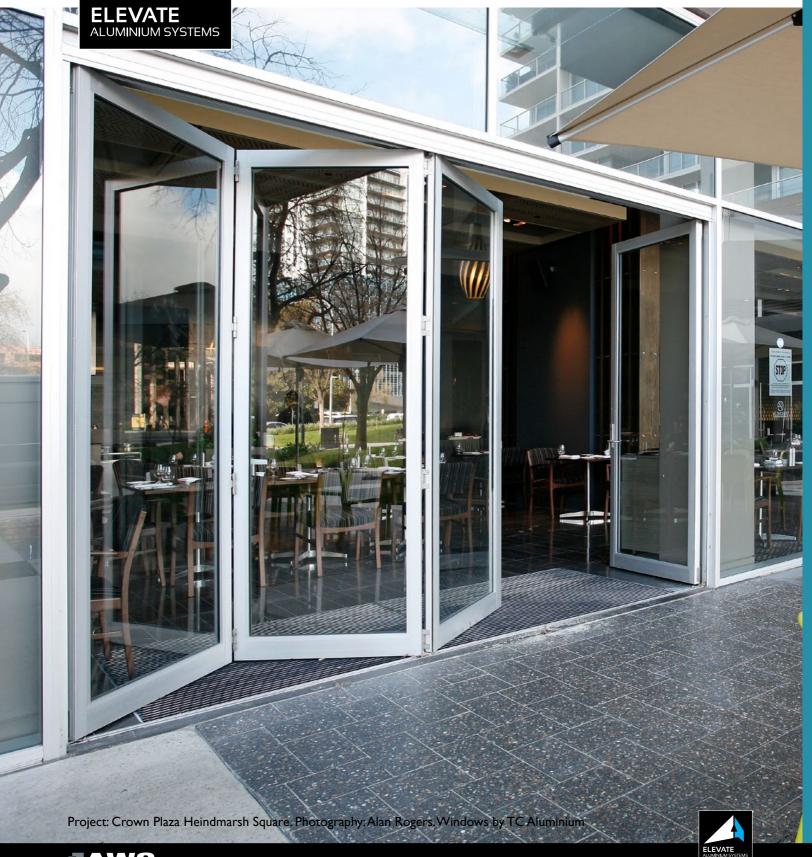
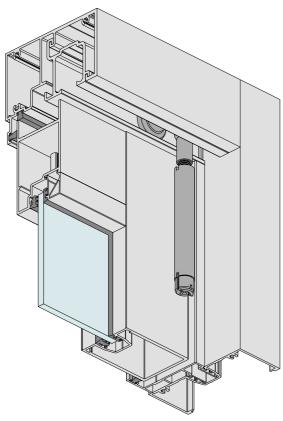
Series 411 ViewMASTER™ Bi-fold Door



DATE: AUG 20
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KEY FEATURES/PERFORMANCE CHARACTERISTICS



Series 411 ViewMASTER™ Bi-fold Door External view.

- Series 411 Bi-fold door (top hung) has been designed to accept the 50mm thick heavy-duty Series 50 and 52 doors.
- Can be manufactured with compliant panels up to 3000mm high.
- Bi-fold doors are hung on Centor[™] twin stainless steel bearing rollers running in heavy-duty dual overhead tracks.
- The standard E2 rollers will carry door panels up to 40kg.
- Heavy-duty E3 will carry door panels up to 80kg.
- The Surelock[™] adjustment on the pivots and carriers allow all panels to be lifted or lowered easily with a flat screwdriver. Doors can be adjusted vertically up to 5mm plus or minus.
- Carriers, pivots, hinges and fixings supplied in 304 stainless steel.
- Snap-on jamb adaptor allows us to use any of the Series 400 CentreGLAZE™ jambs including corner mullions and nailing fin jambs.
- A variety of lever and lock options including multi-point and lever compression locking for added security and improved weather performance.
- Successfully tested to resist 450Pa water and suitable for airconditioned buildings when weather resisting sill is used.
- Can be configured to incorporate single or double entry doors so access can be achieved without opening the whole unit.

Maximum Panel Height*	3000mm
Maximum Panel Width*	1000mm
Maximum Glass Thickness	≤24mm

^{*} Subject to individual site conditions and wind loads. Contact AWS Technical Support for more information, email techsupport@awsaustralia.com.au



2D & 3D CAD FILES AVAILABLE

To access 2D & 3D CAD models visit our online specifier resource centre www.specifyaws.com.au



MORE INFORMATION

For the latest updates regarding this product visit our website www.elevatealuminium.com.au



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SOUND REDUCTION

A number of glass combinations have been tested with this system to acheive sound reduction numbers listed below.

Glass Description	Rating		
6.5mm Laminated glass	Rw28		
8.38 Laminated glass	Rw31		



WERS RATINGS

Single Glazed

Window ID	Glass Type	Uw	SHGCw	Tvw	Inf
AWS-029-01	5CLR	6.1	0.59	0.60	0.43
AVVS-029-02	5SG	6.1	0.41	0.50	0.43
AVVS-029-03	5GY	6.2	0.44	0.34	0.43
AVVS-029-04	6.38Sct	4.6	0.48	0.55	0.43
AWS-029-05	6.38VLam	6.0	0.57	0.60	0.43
AWS-029-06	6SnClr	5.0	0.42	0.46	0.43
AWS-029-07	6EVanBG	4.8	0.32	0.38	0.43
AWS-029-08	6EVanClr	4.8	0.44	0.45	0.43
AWS-029-09	6EVanGy	4.8	0.29	0.22	0.43
AWS-029-10	6EVanSpB	4.8	0.26	0.26	0.43
AWS-029-11	6EVanSpGn	4.8	0.26	0.32	0.43
AWS-029-12	6.38LamSpGy	6.1	0.26	0.09	0.43
AWS-029-13	6.38TLam	6.1	0.29	0.23	0.43
AWS-029-14	6.38SnClr	4.9	0.41	0.46	0.43
AWS-029-15	6.38SnGy	5.0	0.31	0.21	0.43
AWS-029-16	6.38CPClr	4.6	0.48	0.56	0.43
AWS-029-17	6.38CPGn	4.6	0.36	0.48	0.43
AWS-029-18	6.38CPGy	4.6	0.35	0.26	0.43
AWS-029-19	10SnClr	4.9	0.41	0.45	0.43
AWS-029-20	I 0.38Tlam	4.5	0.36	0.41	0.43
AWS-029-21	10.38SnClr	4.8	0.39	0.45	0.43
AWS-029-22	10.38ClrLam	5.90	0.45	0.46	0.43
AWS-029-23	10.38GyLam	5.90	0.20	0.08	0.43

HOW TO SPECIFY

SYSTEM NAME

Elevate Aluminium Systems Series 411 ViewMASTER™ Bi-fold Door

FINISH

Powder Coat

Anodised

COLOUR

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

GLASS

Specify thickness ≤24mm

Specify thermal performance where applicable (Uv & SHGC)

Specify acoustic performance where applicable (RW)



Specification Assistance

Need help specifying this product? Email techsupport@ awsaustralia.com.au our qualified technical advisors will assist you with product selection and specification for your project.

NOTES

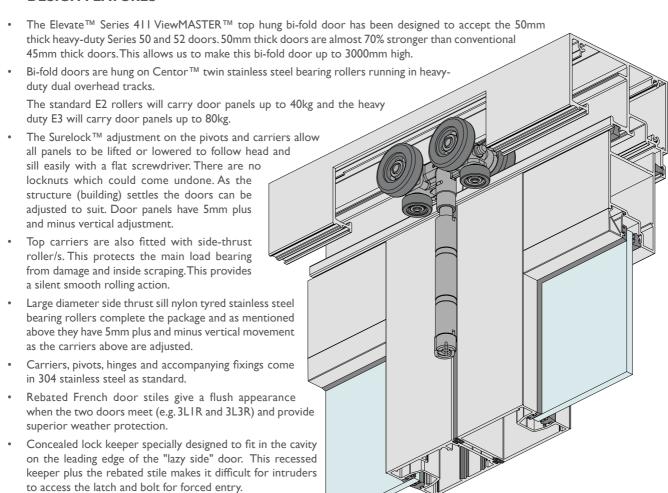
- I. Uw is the whole window U-value
- 2. SHGCw is the whole window solar heat gain coefficient
- 3. Tvw is the whole window visible (light) transmittance
- 4. Maximum air infiltration is 5.0L/s.m2 at a positive pressure difference of 75 Pa as measured according to AS 2047
- 5. Static performance (Uw SHGCw Tvw Tdw) calculated using Window 6.3 and Therm 6.3 software (LBNL), 1999-2010
- 6. Results disclosed at Australian Fenestration Rating
 Council (AFRC) regulations.
 7. Ratings for use with Section J of the Building Code of
- Australia Class 2-9

For the latest WERS data for this system visit www.wers.net



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DESIGN FEATURES



- Doors can be supplied with a variety of lever lock options including multi-point and lever compression locking for added security and improved weather performance.
- Successfully water tested at 450Pa (refer water rating table) and is suitable for airconditioned buildings when using the weather resisting sill detail.
- Seamless type door panel construction (rails nest into stiles) to conceal the assembly joint.
- Bi-fold panels can be secured with key operated twinbolts.

With the snap-on jamb adaptor we can offer a very extensive

range of jambs to cover almost any situation.

- This bi-fold door can be supplied with Centor™ SIE roller flyscreen, this screen system can't be retro fitted to existing Bi-fold doors.
- Compatible with most 102mm Elevate™ commercial framing and window systems.

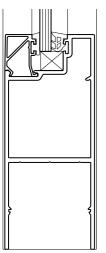
Limitations:

- Overhead structure (the building lintel) must be capable of supporting the weight of the door panels with less than 3mm of point load deflection.
- The ramp and recessed door sills and internal opening doors have no water resistance rating.



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DOOR OPTIONS AWS offer two different types of doors that are suitable for Series 411 ViewMASTER™ as shown below.





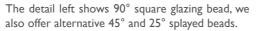
Series 50

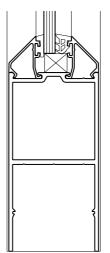
Horizontal external glazing beads only on rails with wrap around stiles. Heavy duty extruded aluminium corner spigot joinery.

Series 50 doors are about 34% stronger than Series 52.

Series 50 will accept glass from 4mm to 10.50mm thick

Tall braced glazing beads with captive co-extruded Santoprene security glazing wedge option.

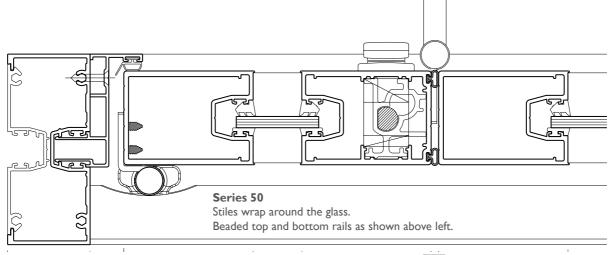


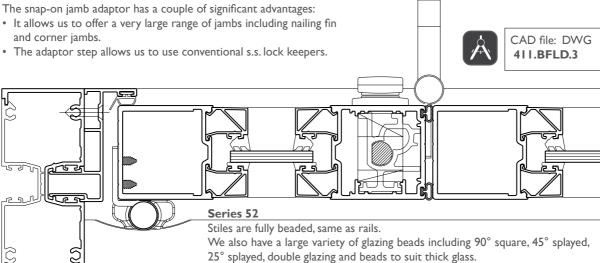


Series 52

Fully beaded (inside and out) on rails and stiles with heavy duty extruded aluminium corner spigot joinery.

We offer a large variety of glazing beads to cover glass thickness from 4mm to 34mm thick.







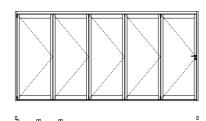
DATE: AUG 20 REPLACES: MAY 13 NOT TO SCALE SCALE:

PRODUCT RANGE AND LIMITATIONS



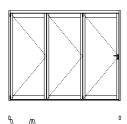
type **2L** Doors fold to one side with no loose leaves.

Min. width = 1528mm Max. width = 2128mm

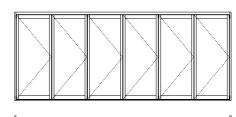


type 5L

Doors fold to one side with one loose leaf on the end. Min. width = 3640mm Max. width = 5140mm

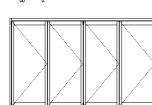


type **3L**Doors fold to one side with one loose leaf on the end. Min. width = 2232mm Max. width = 3132mm



type 6L

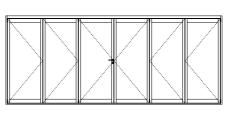
Doors fold to one side with no loose leaves. Min. width = 4344mm Max. width = 6144mm



type 4L

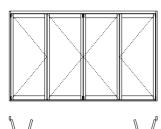
Doors fold to one side with no loose leaves. Min. width = 2936mm

Max. width = 4136mm



type 3L3R

Doors fold to both sides with pair of French doors. Min. width = 4344mm Max. width = 6144mm



type 2L2R

type 3LIR

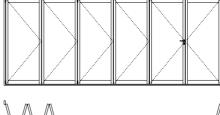
Doors fold to one side with

pair of French doors at end.

Min. width = 2936mm

Max. width = 4136mm

Doors fold to both sides with no loose leaves. Min. width = 2936mm Max. width = 4136mm



type **5LIR**

Doors fold to one side with pair of French doors at end. Min. width = 4344mm Max. width = 6144mm





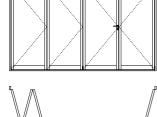




Doors fold to both sides with no loose leaves. Min. width = 4344mm Max. width = 6144mm



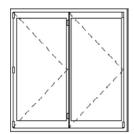






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PERFORMANCE AND LIMITATIONS



Typical example type.2L

Important Notes:

The ratings listed right cover the strength of the meeting stiles only.

S = Serviceability limit state (deflection = L/180 and L/250). **U** = Ultimate strength limit state (factored yield strength = 104 MPa).

These tables have been calculated using section properties.

Serviceability strength rating has been limited to 3333 Pa and Ultimate strength rating has been limited to 5000 Pa.

Bi-fold Door Meeting Stile Strength Guide									
Panel	Panel		Series 50			Series 52			
Height	Width		S (Pa)	S (Pa)	U (Pa)	S (Pa)	S (Pa)	U (Pa)	
mm	mm		1/180	1/250		1/180	1/250		
2100	700		2627	1891	5000	1957	1409	4550	
2100	800		2331	1678	5000	1736	1250	4029	
2100	900		2105	1516	4890	1568	1129	3630	
2100	1000		1929	1389	4469	1437	1035	3318	
2400	700		1741	1254	4651	1297	934	3453	
2400	800		1540	1109	4106	1147	826	3048	
2400	900		1385	997	3687	1032	743	2738	
2400	1000		1264	910	3357	942	678	2493	
2700	700		1214	874	3562	904	651	2711	
2700	800		1071	771	3218	798	575	2389	
2700	900		961	692	2884	716	516	2141	
2700	1000		874	630	2619	651	-	1944	
3000	700		880	634	2945	656	-	2187	
3000	800		776	558	2592	578	-	1924	
3000	900		695	500	2319	518	-	1722	
3000	1000		631	-	2102	-	-	-	

Wind Ratings (Pa) Bi-fold door meeting stiles.

Applies to those doors that don't have French meeting stiles:

2L, 2LIR, 3L, 4L, 2L2R, 4LIR, 3L2R, 5L, 4L2R, 6L,

2R, 2RIL, 3R, 4R, 4RIL, 3R2L, 5R, 4R2L and 6R.

The following configurations are slightly weaker as they contain one set of French meeting stiles: 3LIR, 5LIR, 3L3R, 3RIL and 5RIL.

For this meeting stile combination go to the Series 400 swing door Pa tables.

Maximum Bi-fold Door Panel Sizes

Maximum panel weight 80kg per panel.

Minimum panel width 700mm (on equal panel doors without loose door leaf - 2L, 2R, 4L, 4R, 6L, 6R, 2L2R, 2L4R & 4L2R)

600mm (on remaining door types with a loose leaf in the configuration).

Maximum panel width 1000mm

Maximum panel height 3000mm

Panel sizes will vary depending on weight, design wind load and allowable metal deflection.

Double glazed doors may be limited by the availability of large IGU panels.

Hinge quantity

3. hinges

- height less than or equal to 2200mm

4. hinges - height greater than to 2200mm

When using four hinges we recommend that the lower central inner hinge has the pull handle.

Sound Transmission Loss

Door glazed with 6.38mm laminated glass rates 31 dB(A)

Door glazed with 19mm IGU made up of two layers of 5mm toughened glass rates 32 dB(A)

Based on tests carried out on a similar product (Series 548)



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E2 HEAD

Head bolted to structure with M8 bolts @ 600mm max. cts.

Type E2 head detail illustrated will support door panel weights up to 40kg. The heavy duty E3 head illustrated on following page will support panels up to 80kg.

Water Resistance:

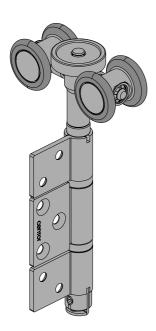
Type E2 head shown on this page has a water resistance rating of 150Pa.

Heavy duty tubular head. -

Stainless steel shoot bolts.

Double head seals.

Height adjustable type E2 stainless steel overhead roller carrier.



Series 50 door illustrated top right. Fully beaded Series 52 door also available - illustrated bottom right..

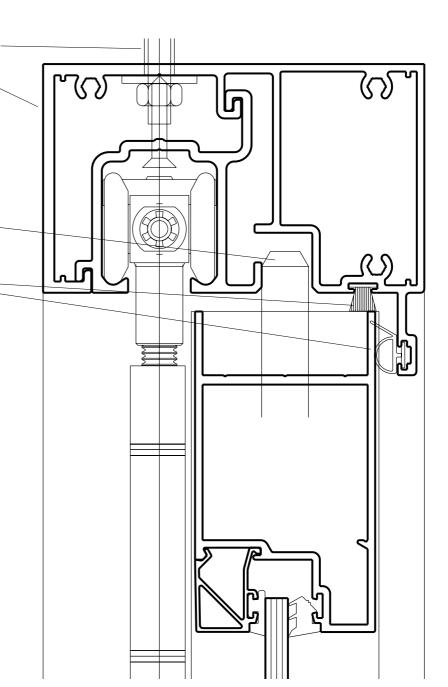
50mm thick doors allow large (tall) door panels, refer Pascal rating tables on previous page.

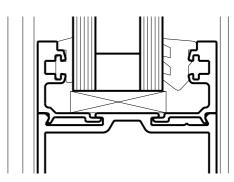
Safety glass in accordance with AS 1288.

Series 52 doors will accept insulating glass units up to 34mm thick.



CAD file: DWG 411.BFLD.2





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E3 HEAD

Head bolted to structure with M8 bolts @ 600mm max. cts.

Type E3 head detail illustrated will support door panel weights up to 80kg.

Water Resistance:

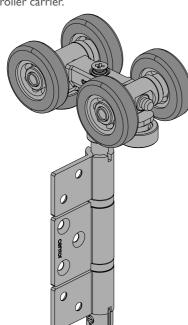
Type E3 head shown on this page has been tested to resist 450Pa water.

Head rollers fitted with sealed side thrust bearings to protect main load bearing rollers.

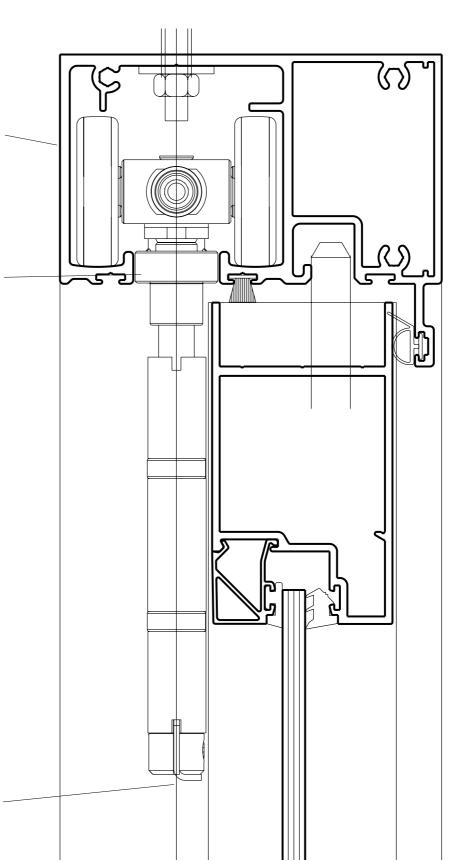


CAD file: DWG 411.BFLD.I

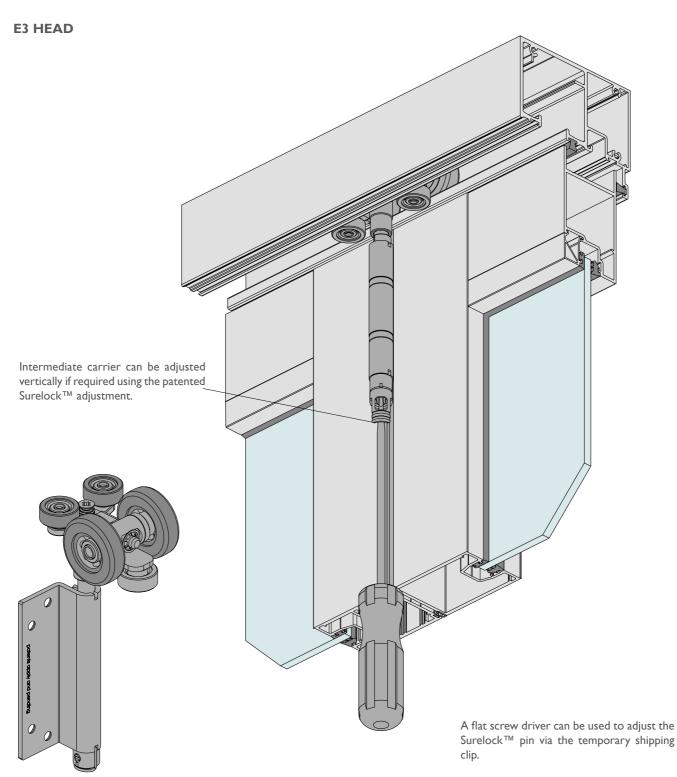
Type E3 heavy duty stainless steel top roller carrier.



The spring loaded Surelock™ adjustment on the pivots and carriers allow all panels to be lifted or lowered to follow head and sill easily with a flat screwdriver.



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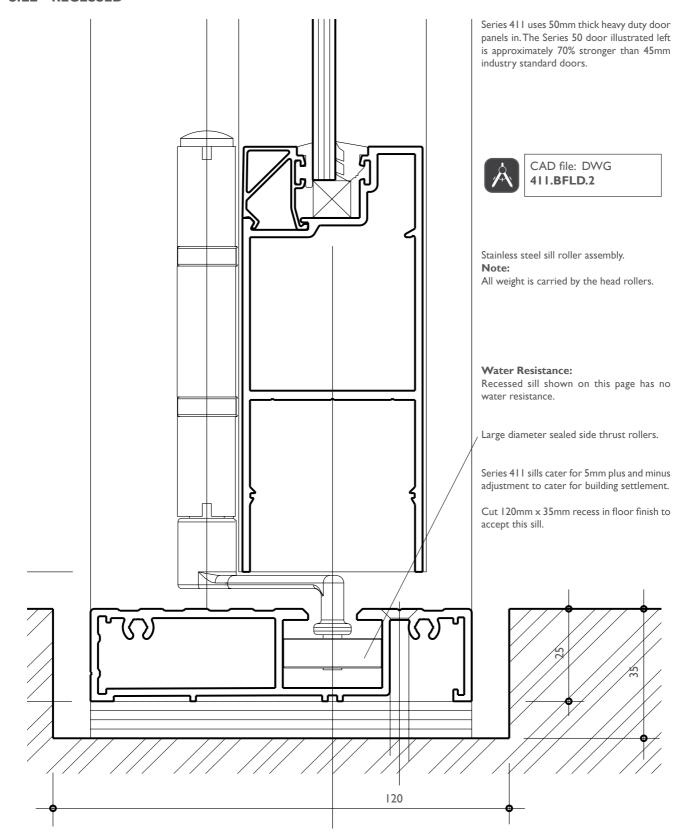
Edge carrier sets have two load carrying wheels and side thrust bearings. This carrier is also height adjustable.

If the doors need adjusting in the future, wedge the bottom of the door panels to remove the dead load from top carrier. Release the spring loaded Surelock $^{\text{TM}}$ pin and adjust as required. Then remove the sill wedges.

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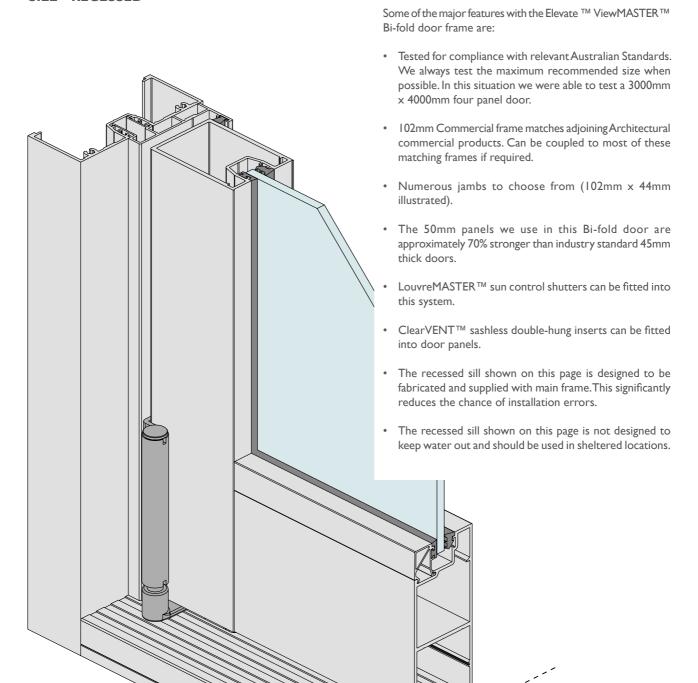
NOT TO SCALE SCALE:

SILL - RECESSED



DATE: AUG 20
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SILL - RECESSED

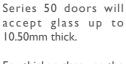


We offer a variety of sill types with this bi-fold door system. The detail on this page shows the recessed option.



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FLOOR CHANNEL



For thicker glass use the fully beaded door Series 52.

Stainless steel sill roller assembly.

Note:

All weight is carried by the head rollers.



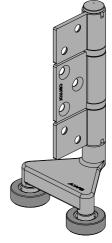
CAD file: DWG 411.BFLD.2

Water Resistance:

Recessed sill shown on this page has no water resistance.

Large diameter sealed side thrust rollers.

Series 411 sills cater for 5mm plus and minus adjustment to cater for building settlement.



Intermediate sill side thrust roller carriage.

Large diameter nylon tyred sealed bearings.



Edge sill side thrust roller carriage.



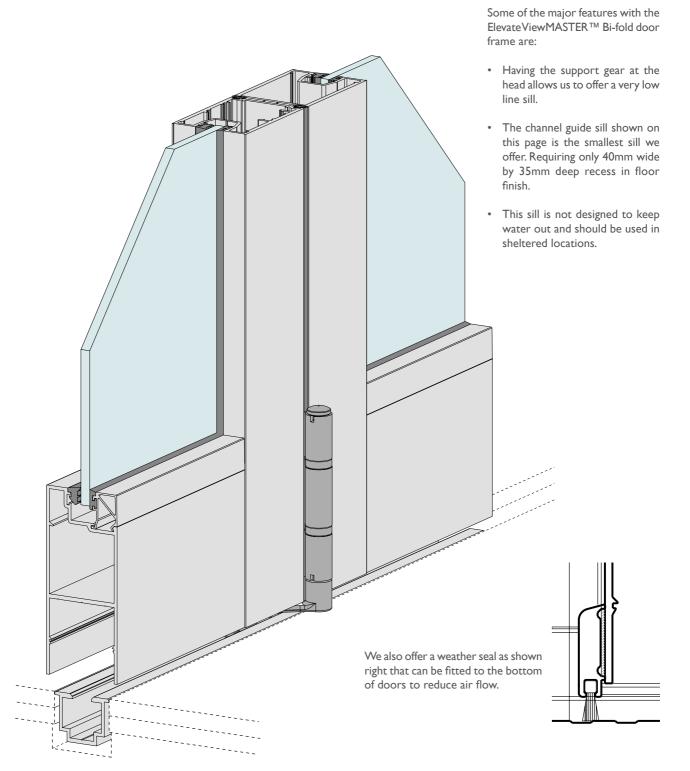
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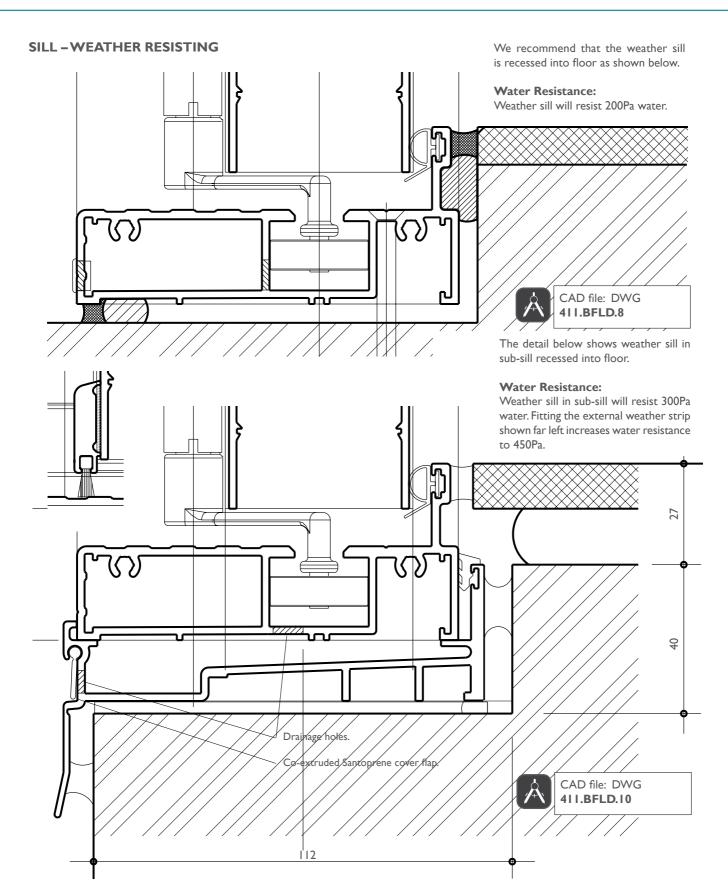
FLOOR CHANNEL



We offer a variety of sill types with this bi-fold door system. The detail on this page shows the channel sill option.

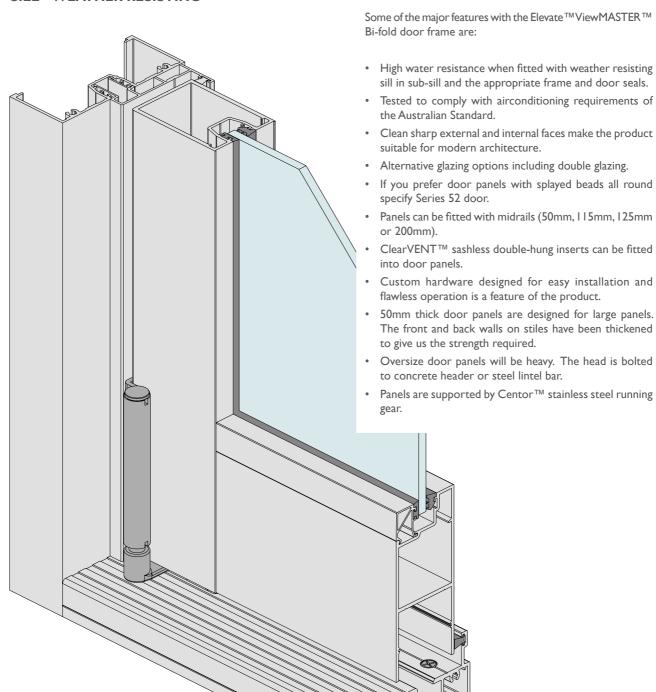


DATE: AUG 20 REPLACES: MAY 13 NOT TO SCALE SCALE:



DATE: AUG 20
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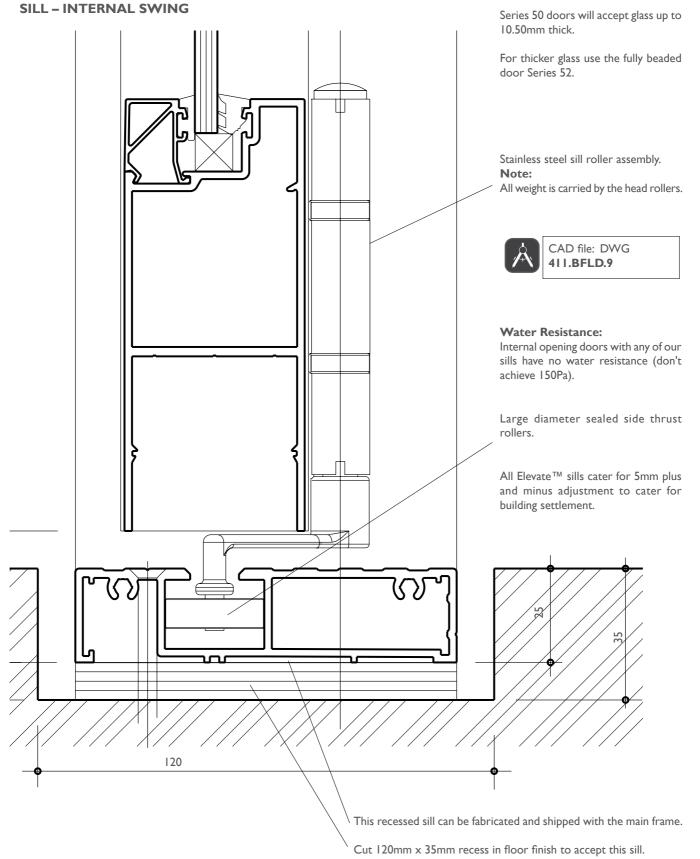
SILL - WEATHER RESISTING



We offer a variety of sill types with this bi-fold door system. The detail on this page shows the weather resisting option.



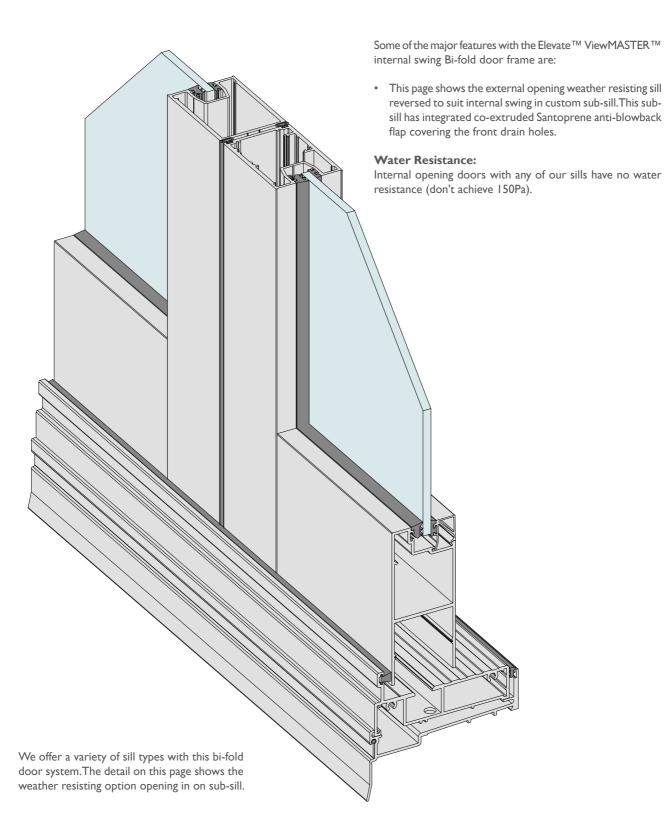
DATE: AUG 20 REPLACES: MAY 13 NOT TO SCALE SCALE:



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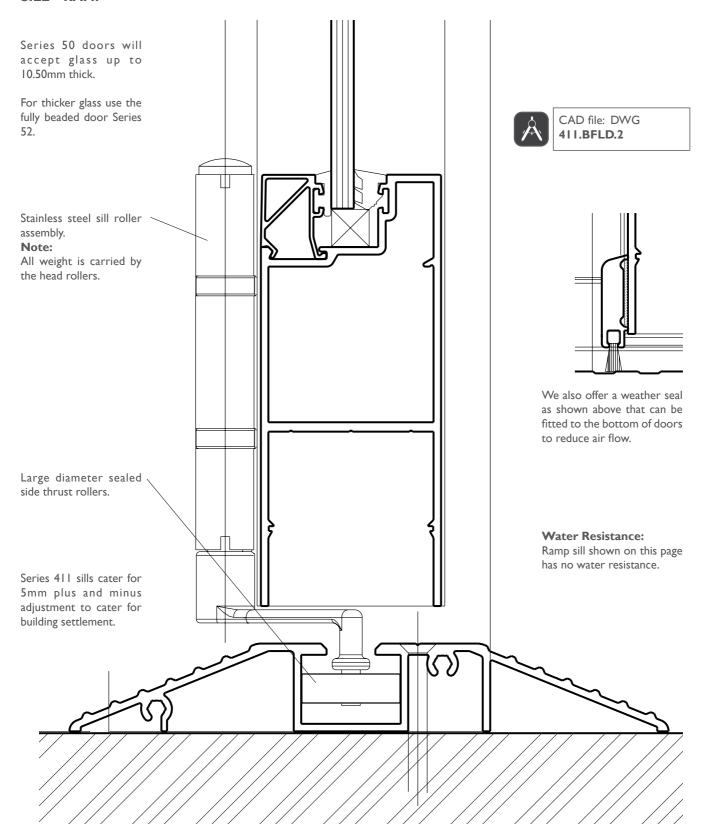
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REPLACES: MAY 13
SCALE: NOT TO SCALE

SILL - INTERNAL SWING



DATE: AUG 20 REPLACES: MAY 13 NOT TO SCALE SCALE:

SILL - RAMP



DATE: AUG 20 REPLACES: MAY 13 NOT TO SCALE SCALE:

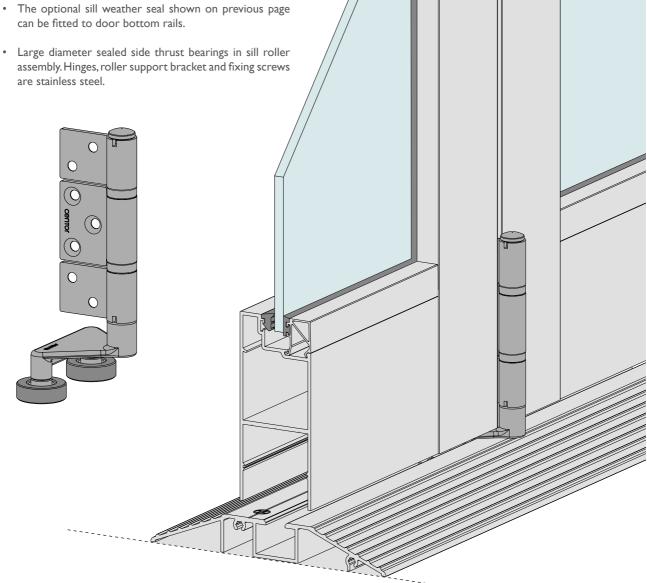
SILL - RAMP

Some of the major features with the Elevate $^{\text{TM}}$ ViewMASTER $^{\text{TM}}$ internal swing bi-fold door frame are:

· The ramp sill has been designed for commercial applications where it's not possible to recess the sill into the floor finish.

· This sill is not designed to keep water out and should be used in sheltered locations.

can be fitted to door bottom rails.



We offer a variety of sill types with this bi-fold door system. The detail on this page shows the ramp sill option.



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SCALE: NOT TO SCALE

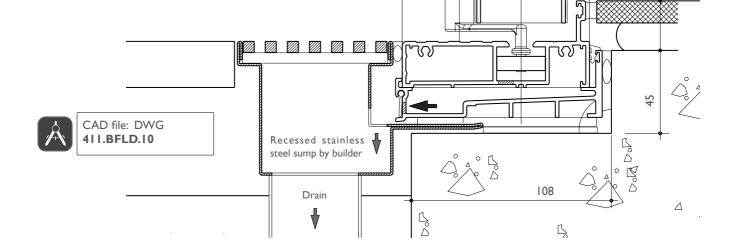
SILL - WEATHER RESISTING with LINEAL DRAIN

Elevate $^{™}$ use 50mm thick heavy duty panels in Series 411 Bi-fold. The Series 50 door illustrated is 70% stronger than 45mm conventional doors,

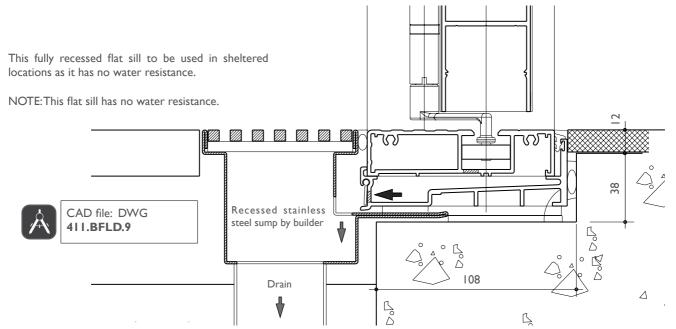
Water resistance 300Pa.

Stainless steel Centor™ running gear.

NOTE: Subsill shown and recommended.



SILL - FLAT RECESSED OPEN OUT PANELS with LINEAL DRAIN





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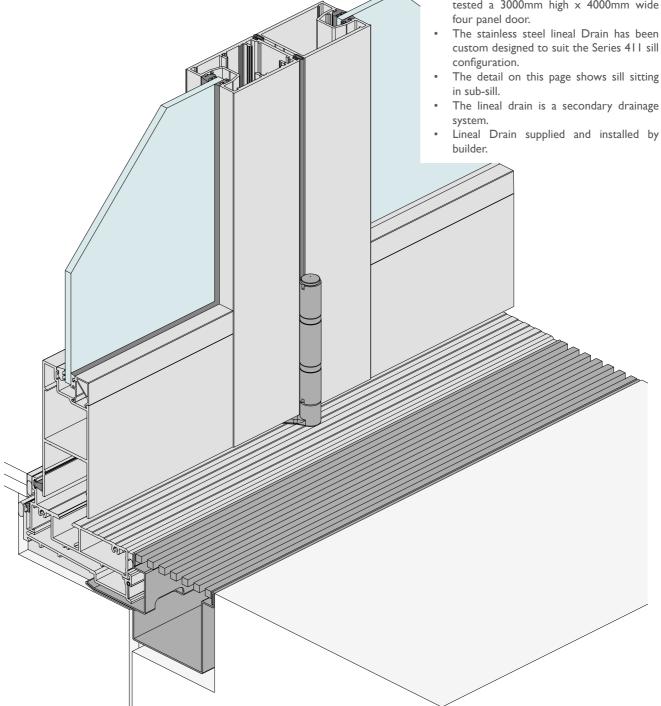
SILL - WEATHER RESISTING with LINEAR DRAIN

Some of the features with Elevate™ ViewMASTER™ top hung weather resisting sill doors are:



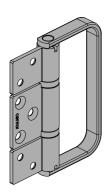
custom designed to suit the Series 411 sill

- The detail on this page shows sill sitting
- Lineal Drain supplied and installed by



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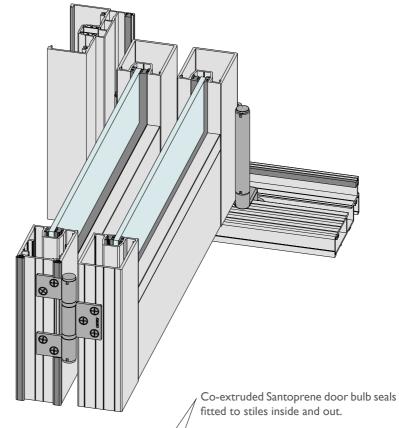
MEETING STILES - INTERNAL HINGE



Custom designed stainless steel central hinge has pull handle as shown above to make it easier to close and secure the folding panels.

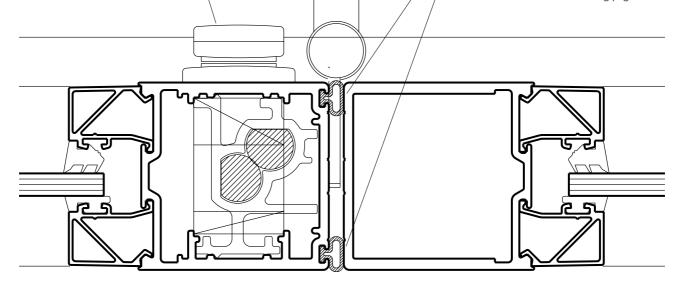
Custom designed stainless steel hinges easily locate into stiles and are fixed with countersunk stainless steel screws.

Proprietary bolt activators come in key or non-key versions. Details on key version shown later in these notes.



Wrap around Series 52 fully beaded stiles

Series 50 shown on following page.



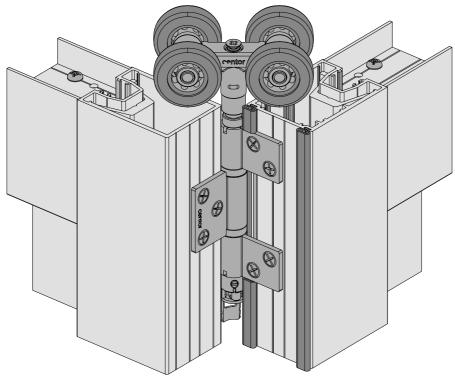
Heavy duty meeting stiles designed for over height doors, refer span chart at the start of this section.





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REPLACES: MAY 13
SCALE: NOT TO SCALE

MEETING STILES - HEAD ROLLER

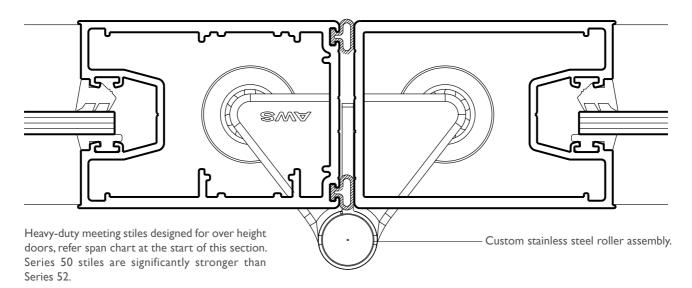


Overhead stainless steel roller hinges designed for this product are fixed with countersunk stainless steel screws.

Heavy-duty E3 roller assembly illustrated.

Co-extruded Santoprene door bulb seals fitted to stiles inside and out.

Wrap around Series 50 stiles illustrated. Series 52 fully beaded stiles shown on previous page.





CAD file: DWG 411.BFLD.3

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FRENCH MEETING STILES

French meeting stiles have been designed to accept:

- ANDO™ Lever twinbolt for the keeper stile.
- ANDO™ Lever latch set illustrated below.

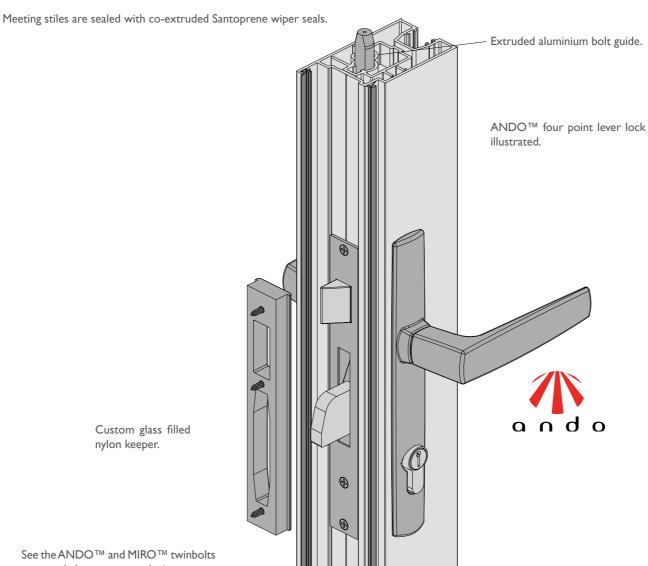
This proprietary locks come in two or four point locking.

When the panel height exceeds 2100mm we recommend four point locking to keep the top and bottom of the stile against the seals under wind load.

- Lock stile will also accept Lockwood 3580 and Legge 995MF latch sets.
- When using the Lockwood, Legge or Dorma latch sets, use finger operated flushbolts on the keeper stile.

Detailed information on all of these hardware options shown on following pages.

Flushbolts, ANDO™, MIRO™ and ICON™ bolts are supported with custom extruded aluminum guides.



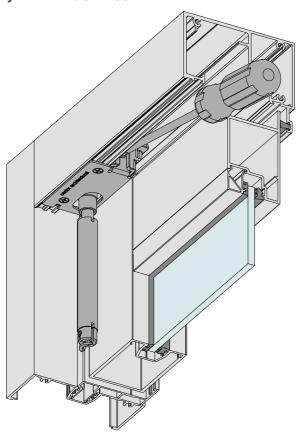
See the ANDO™ and MIRO™ twinbolts open and close on our web site:

www.elevatealuminium.com.au



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JAMB - PIVOT ASSEMBLY



Pivots are adjustable horizontally via screw in the head guide recess.

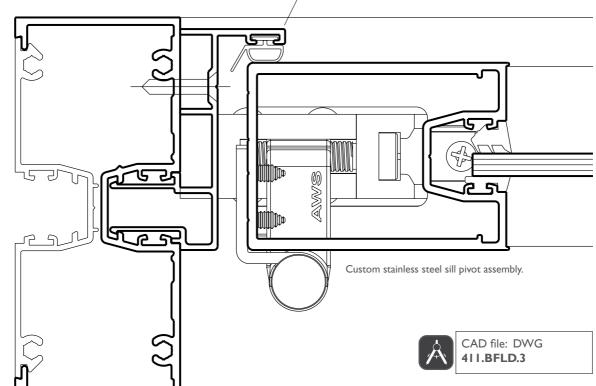
and

Vertically via the Surelock™ adjustment.

When correct adjustment is reached and doors operate well, remove the yellow shipping clip and spacer. Surelock $^{\text{TM}}$ will automatically snap into place when the blade and slot are aligned. Support panel weight whilst adjusting.

To re-adjust at a later date, simply pull down the blade and rotate as required to lift or lower. If you can't find the yellow shipping clip it will be necessary to take the load off the pivot while adjusting.

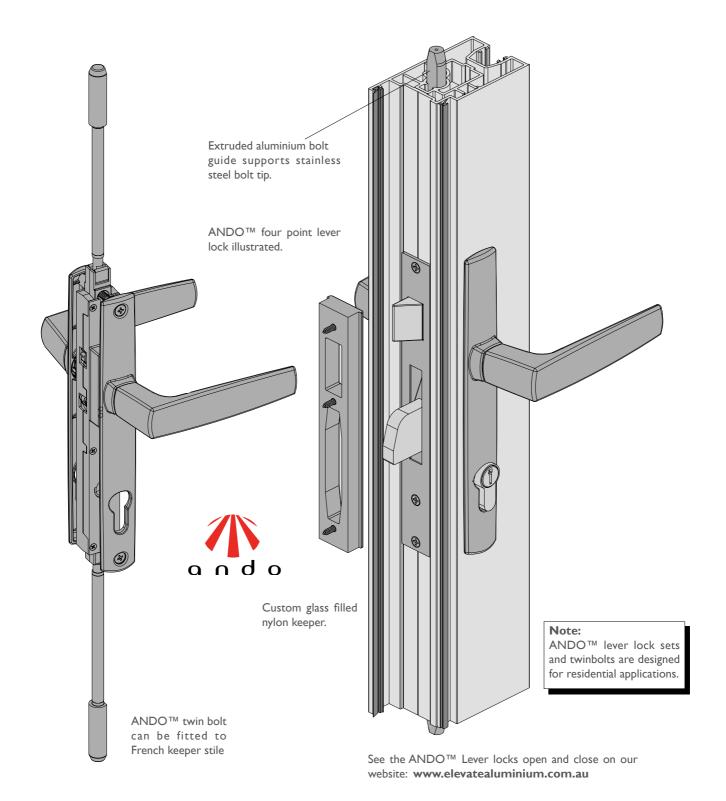
Snap-in raised door stop.



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PROPRIETARY LEVER LOCK & TWINBOLT

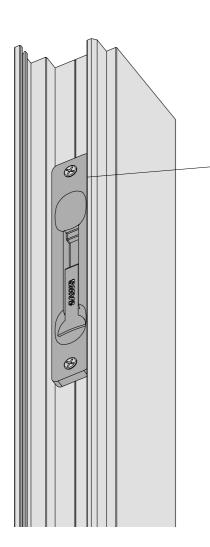


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Series 411 ViewMASTER™ BI-FOLD DOOR

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SHOOT BOLTS



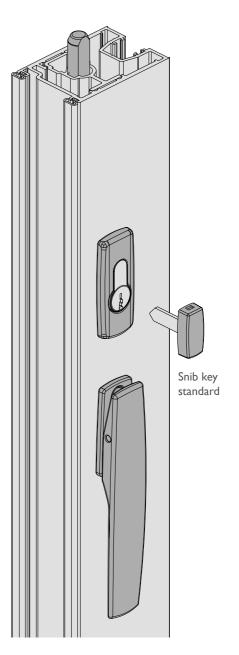
Series 50 French keeper stile illustrated on this page.

Surface mounted flushbolt nests into the French keeper stile as detailed left.

Bolts secured with custom extruded aluminium guide both ends of stile that prevents the shoot bolt from turning and dropping.



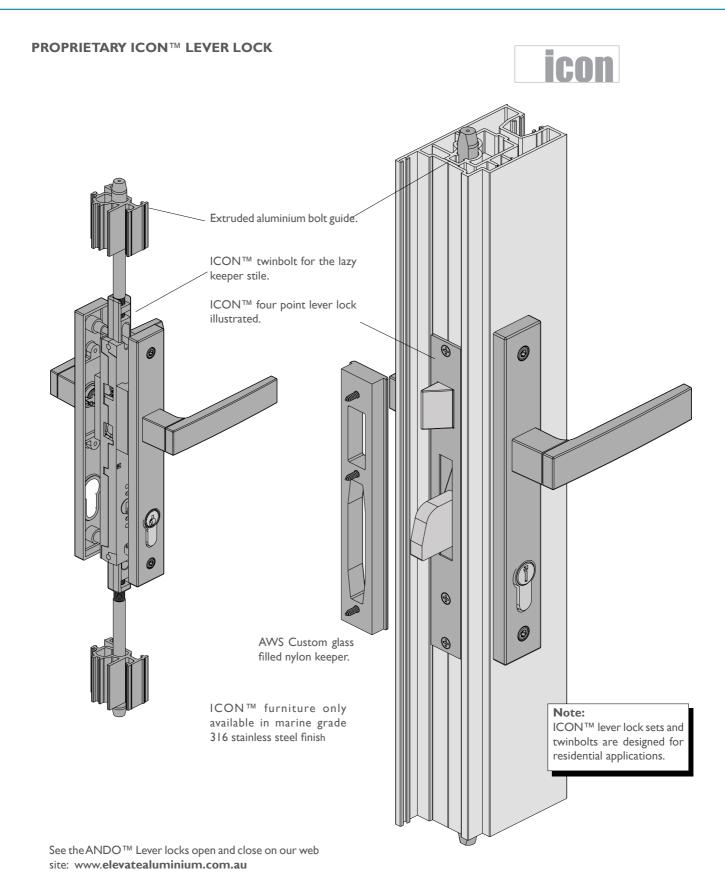




Non-Key Option Proprietary ANDO $^{\text{TM}}$ key bi-fold activators are also available in a non-key version.

See the ANDO™ Bi-fold activators open and close on our website: www.elevatealuminium.com.au

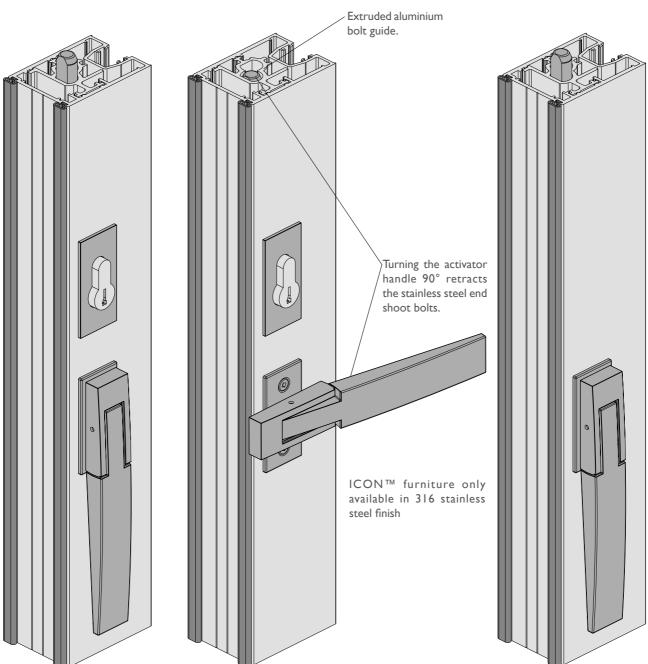
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PROPRIETARY ICON™ BI-FOLD ACTIVATOR





Key OptionProprietary ICON™ key Bi-fold activator.

Non-Key Option
Proprietary ICON™ non key Bi-fold activator also available.

See the ICON™ Bi-fold activators open and close on our web site: www.elevatealuminium.com.au

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PROPRIETARY MIRO™ HARDWARE



MIRO™ key locking twinbolt activator.

Key on the inside only.

External handle doesn't move.



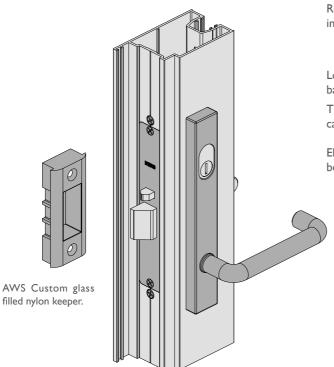
MIRO™ **Bi-fold Activator**





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LOCKWOOD 3580 LOCK



Rebated stiles have been designed to accept a variety of locks and bolts in the keeper stile as shown later in these notes.

Lockwood Series 3580 short backset cylinder mortice lock - 30mm backset, with Lockwood Series 4800 or 5800 furniture.

There are numerous lock and furniture options, refer Lockwood catalogue and/or website (www.lockwoodsecurity.com).

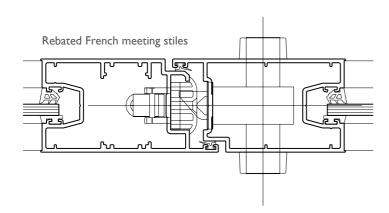
Elevate Series 50 door French lock stile illustrated. This lock can also be fitted into Series 52 fully beaded French stile.

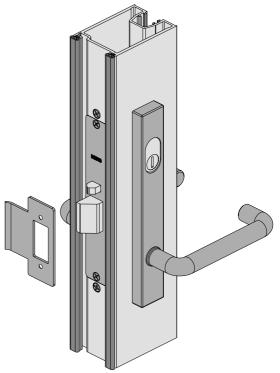
Lockwood Series 3580 short backset cylinder mortice lock – 30mm backset can be fitted into Series 50 Bi-fold stile as shown right.

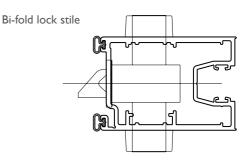
On Series 52 use 25.40mm backset, with Lockwood Series 4800 or 5800 furniture.

There are numerous lock and furniture options, refer Lockwood catalogue and/or website (www.lockwoodsecurity.com).

Jamb stile uses the standard stainless steel keeper that comes with the lock.

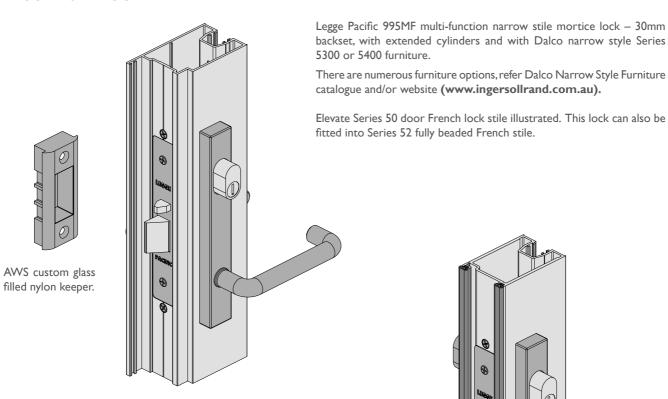






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LEGGE 995MF LOCK



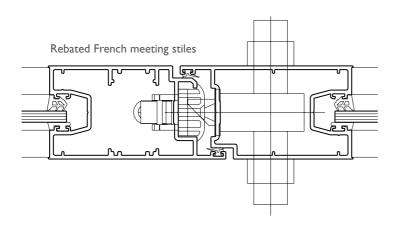
Legge Pacific 995MF multi-function narrow stile mortice lock - 30mm backset can be fitted into Series 50 Bi-fold stile as shown right, with extended cylinders and with Dalco narrow style Series 5300 or 5400 furniture.

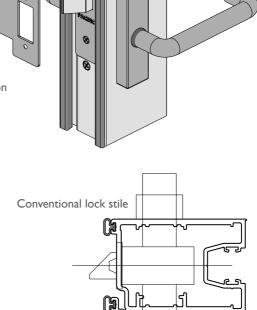
There are numerous furniture options, refer Dalco Narrow Style Furniture catalogue $\,$

and/or website (www.ingersollrand.com.au).

Series 52 B-fold door panels are ${f not}$ suitable with Legge 995MF lock as we can only fit the 23mm backset into the bi-fold stile and 23mm is not enough on bi-fold doors.

Jamb stile uses the standard stainless steel keeper that comes with the lock.







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CENTOR SCREEN PRODUCTION FEATURES

By far the largest and most robust retractable screening system on the market. The detail in this section show the screen fitted behind Series 411 Bi-fold door. The screen can be fitted to any of the Bi-fold door configurations up to 8811mm wide (with Standard weave mesh).

The S4 screen frame can be coloured to match the Bi-fold 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 $^{\text{TM}}$ manufacturing techniques ensure control of the horizontal edges of the screen so they remain straight and tight across the widest spans.

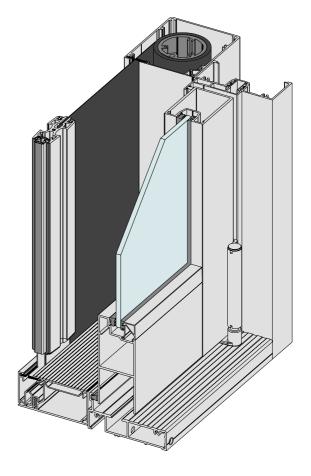
A shock absorption system allows visitors taken in by the screen's unobtrusiveness and near invisibility to walk away with little more than a surprise.

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 blockout 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 \times 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.

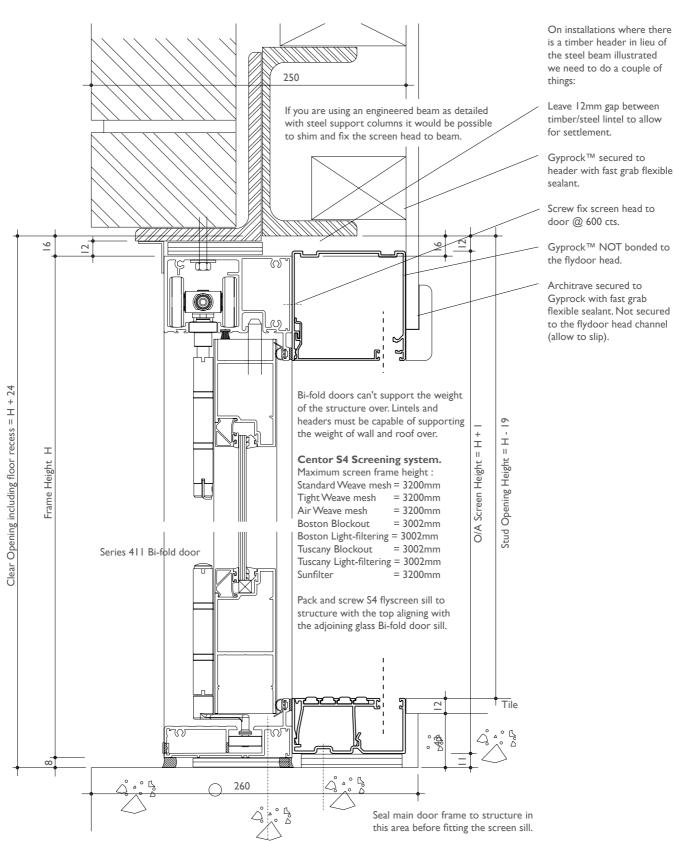
Operating mechanisms are fully contained and do not require maintenance other than keeping clear of dirt and debris.



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TYPICAL VERTICAL CROSS SECTION - Centor™ S4 SCREEN - NO SUB-SILL

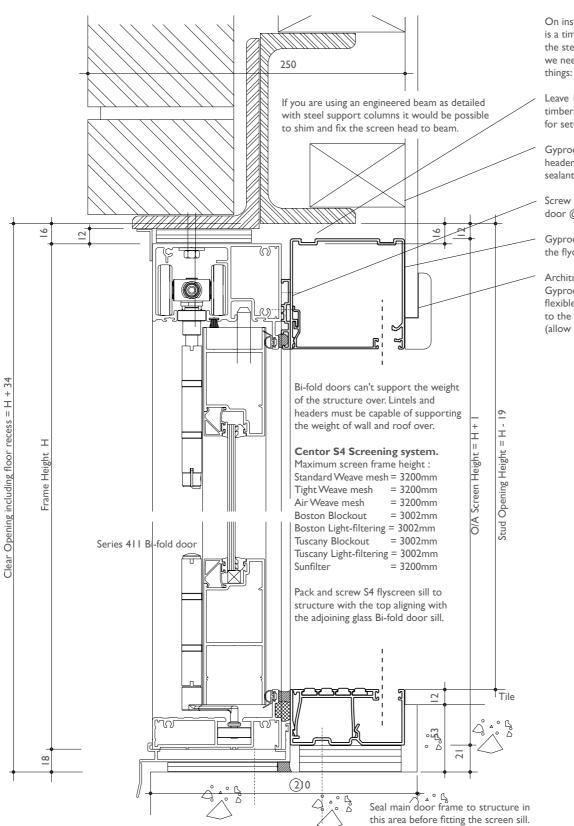


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Recessed Sill Detail

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TYPICAL VERTICAL CROSS SECTION - Centor™ S4 SCREEN - WITH SUB-SILL



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.

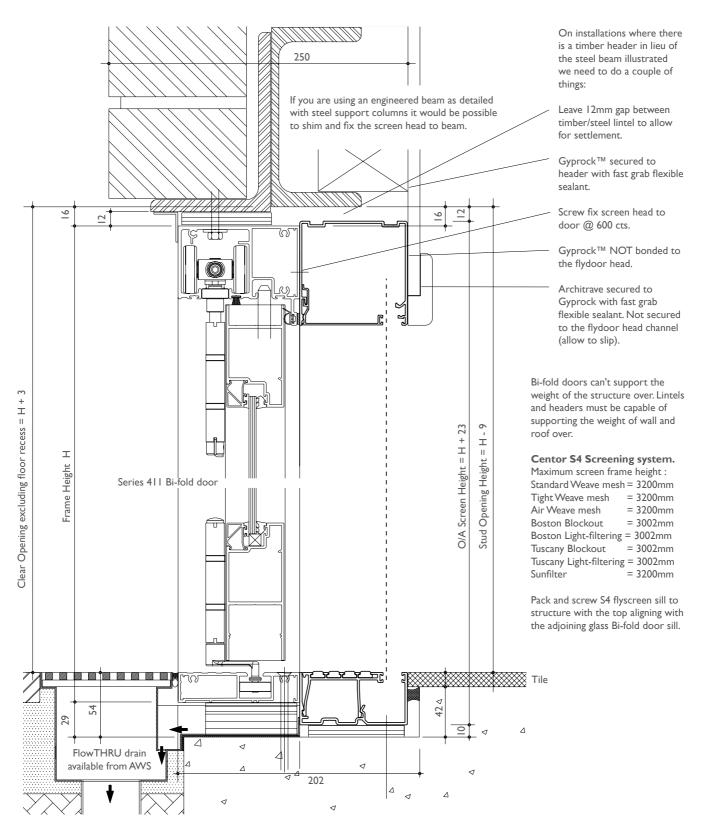
Gyprock™ NOT bonded to the flydoor head.

Architrave secured to Gyprock with fast grab flexible sealant. Not secured to the flydoor head channel (allow to slip).

Recessed Sill Detail

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TYPICAL VERTICAL CROSS SECTION - Centor™ S4 SCREEN - FLAT SILL



Recessed Flat Sill Detail

This flat sill has no water resistance



TYPICAL HORIZONTAL CROSS SECTION - Centor™ S4 SCREEN FLUSH FINISH Gyprock™secured to stud wall and flydoor jamb with fast grab flexible sealant. Flydoor jamb secured to stud with 9/ 19 aluminium fixing lugs and double sided tape, lugs supplied with flydoor kit. 80225 58 Setback Flydoor jamb secured to bi-fold jamb with double side tape. Architrave secured to $\mathsf{Gyprock}^{\mathsf{TM}}$ 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. 90mm Space left between the inner face of door **IMPORTANT NOTE:** frame and the inner When you use the double flydoor system edge of stud wall. This detail applies to: on a bi-fold door with no loose edge leaf. 152 O/A Screen Width = W + 122 BFD4 width > 4489mm <= 8891mm The screen frame aligns with the main **BFD2+2** width > 4489mm <= 8891mm glass door frame. The screen frame is Stud Opening Width = W -**BFD3+1** width > 4489mm <= 8891mm rebated when there is a double screen ≥ **BFDI+3** width > 4489mm <= 8891mm and a loose edge leaf (eg. BFD5). Frame Width **BFD4+I** width > 4489mm <= 8891mm **BFDI+4** width > 4489mm <= 8891mm Centor S4 Screening system. **BFD3+2** width > 4489mm <= 8891mm Maximum double screen frame width **BFD2+3** width > 4489mm <= 8891mm with Standard weave mesh ONLY Double = 9013mm BFD6 width > 4489mm <= 8891mm **BFD2+4** width > 4489mm <= 8891mm Glass door frame width: **BFD4+2** width > 4489mm <= 8891mm With double screen > 4489 <= 8891mm. **BFD3+3** width > 4489mm <= 8891mm BFD5+1 width > 4489mm <= 8891mm On Combo screens the maximum double **BFDI+5** width > 4489mm <= 8891mm screen width is considerably less refer \$4 AWS Calculator file. 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. 80225 Custom 75mm extruded aluminium 'Z' brackets 93119 @ 450mm max. cts. 9 9/ 250mm Thick brick veneer wall.



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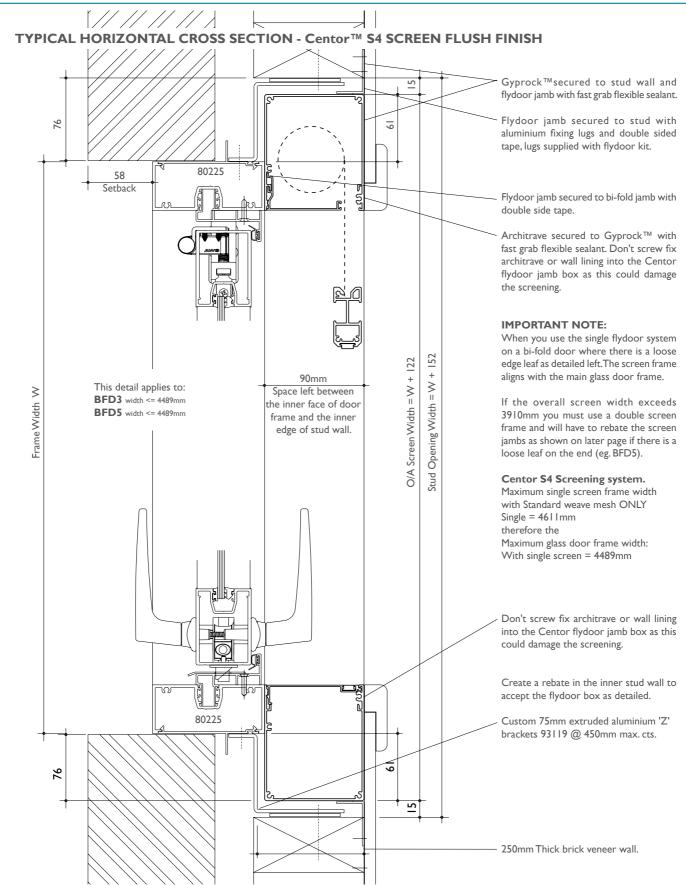
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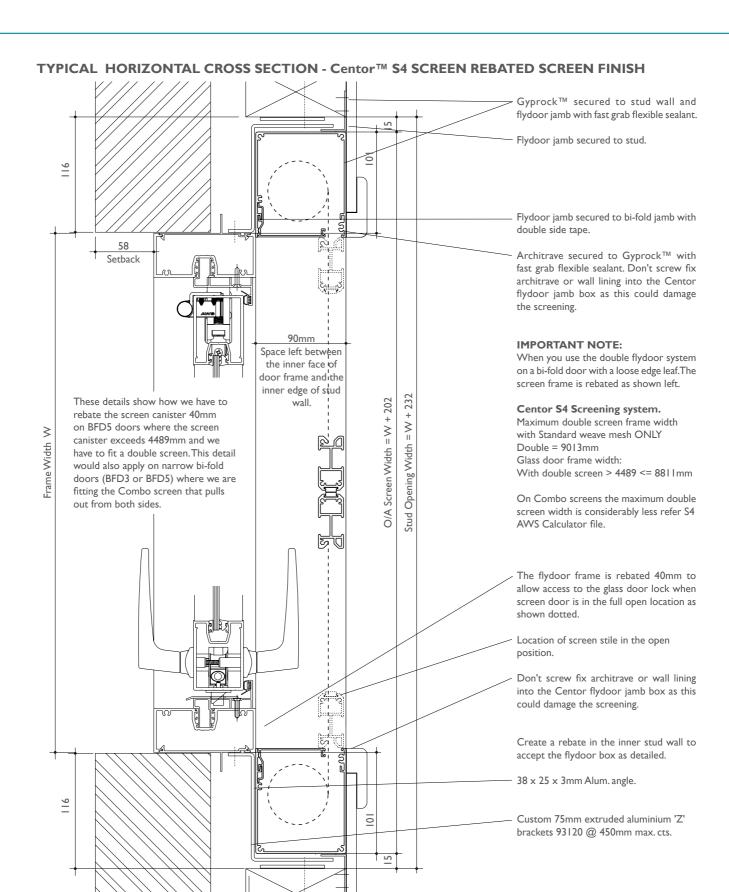
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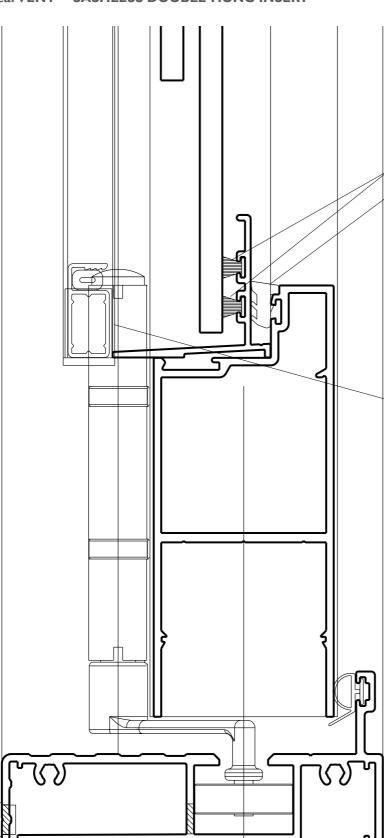


250mm Thick brick veneer wall.

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ClearVENT™ SASHLESS DOUBLE-HUNG INSERT



ClearVENT™ Sashless double-hung sashes can be inlaid into Series 50 ViewMASTER™ doors as shown on this and the following page.

The ClearVENT™ inlay comes in flyscreen version as displayed on these pages or non-flyscreen (no external screen acceptor channel).

Clearly nominate your preference when specifying.

Inlay sill double weatherpile sealed to glass.

Roll-in wedge closes off the inlay to door sill gap.

Door Bottom Rail

Optional flyscreen inlay system illustrated.

Fitting a screened Clear VENT $^{\text{TM}}$ into one of the door panels is a way of screening the bi-fold unit.

For more details on sashless double-hung inserts go to ClearVENT™ windows.

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Series 411 ViewMASTER™ BI-FOLD DOOR

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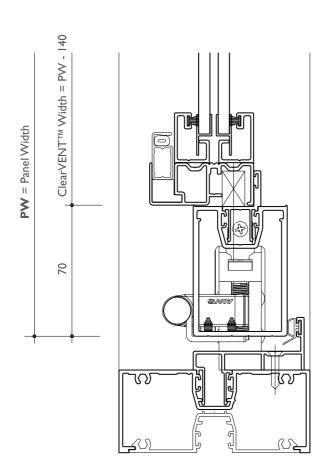
ClearVENT™ SASHLESS DOUBLE-HUNG INSERT

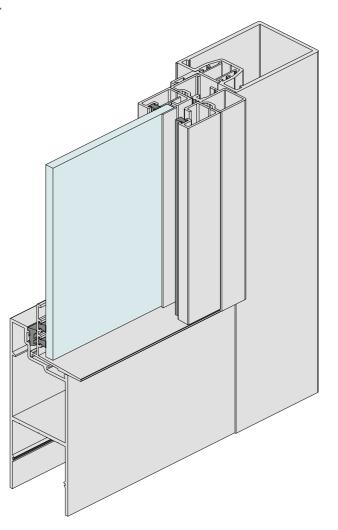
ClearVENT™ insert nests into Series 50 door panel with or without flyscreen. The isometric detail right shows the non-flyscreen jamb adaptor. The plan view below shows the flyscreen adaptor.

Refer Series 464 Architectural Commercial window for full details on ClearVENT $^{\text{TM}}$ options and product information.

Recommend

When ClearVENT™ inserts are fitted into door panels, we recommend that you fit a midrail with fixed lowlight to brace the door panel.





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LouvreMASTER™ SUN CONTROL SHUTTERS

