



Series 620  
CentreGLAZE™ Framing  
Single Glazed 150mm

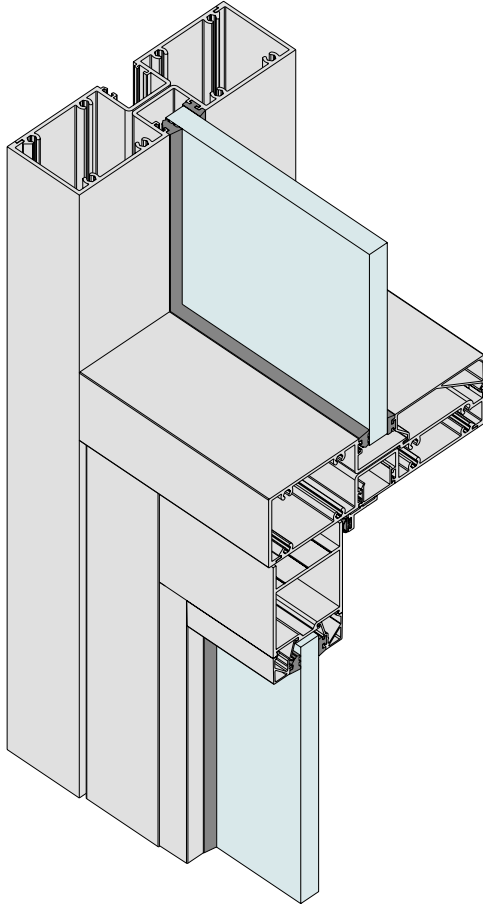


Photo courtesy of Queensland Windows

# Series 620 CentreGLAZE™ Single Glaze Framing

DATE: NOV 12  
REPLACES: MARCH 08  
SCALE: NOT TO SCALE

## KEY FEATURES/PERFORMANCE CHARACTERISTICS



Series 620 CentreGLAZE™ Framing  
Single Glaze 150mm. Internal view.

- Series 620 CentreGLAZE™ shopfront framing – 150mm deep frame with the glazing pocket on centre is ideal for frames spanning more than 3m high.
- The captive wedge also offers increased security.
- Wide range of sub-sills to cover most installations.
- Sub-head and two piece sub-jamb.
- Hinged door threshold.
- Awning sash inlay adaptors.
- Designed for use with Series 52 commercial doors.
- Compatible with Commercial and Architectural Series systems.

Maximum Glass Thickness	≤15.38mm
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### 2D & 3D CAD FILES AVAILABLE

To access 2D & 3D CAD models visit our online specifier resource centre  
[www.specifyaws.com.au/CAD](http://www.specifyaws.com.au/CAD)



### MORE INFORMATION

For the latest updates regarding this product visit our website  
[www.elevatealuminium.com.au/620](http://www.elevatealuminium.com.au/620)

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## SOUND REDUCTION

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

Glass Description	Rating
10.38mm Laminated glass	Rw 34
10.50mm VLam Hush glass	Rw 37

Note: The actual tests were carried out on a product very similar to this frame (Series 400) that gave these results.



## WERS RATINGS

### Single Glazed

Window ID	Glass Type	Uw	SHGCw	Tvw	Inf
AWS-041-01	4SnClr	4.96	0.54	0.60	0.00
AWS-041-02	6SnClr	4.92	0.52	0.59	0.00
AWS-041-03	6EVanBG	4.66	0.40	0.50	0.00
AWS-041-04	6EVanClr	4.66	0.55	0.58	0.00
AWS-041-05	6EVanGy	4.66	0.36	0.28	0.00
AWS-041-06	6EVanSpB	4.68	0.32	0.34	0.00
AWS-041-07	6EVanSpGn	4.66	0.32	0.42	0.00
AWS-041-08	6.38VLam	6.30	0.72	0.78	0.00
AWS-041-09	6.38VLamGy	6.32	0.31	0.11	0.00
AWS-041-10	6.38TLam	6.31	0.36	0.29	0.00
AWS-041-11	6.38SnClr	4.84	0.51	0.59	0.00
AWS-041-12	6.38SnGy	4.84	0.38	0.28	0.00
AWS-041-13	6.38Sct	4.49	0.60	0.71	0.00
AWS-041-14	6.38CPNtrl	4.50	0.45	0.52	0.00
AWS-041-15	6.38CPClr	4.48	0.60	0.72	0.00
AWS-041-16	6.38CPGn	4.48	0.44	0.62	0.00
AWS-041-17	6.38CPGy	4.48	0.44	0.34	0.00
AWS-041-18	10SnClr	4.84	0.50	0.58	0.00
AWS-041-19	10.50LamClr	6.14	0.56	0.59	0.00
AWS-041-20	10.50LamSpGy	6.13	0.23	0.10	0.00
AWS-041-21	10.50Tlam	4.40	0.45	0.53	0.00
AWS-041-22	10.50SnClr	4.77	0.49	0.58	0.00

## HOW TO SPECIFY

### SYSTEM NAME

Elevate™ Aluminium Systems Series 620 Single Glazed CentreGLAZE™ Framing

### FINISH

Powder Coat  
Anodised

### COLOUR

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

### GLASS

Specify thickness ≤ 15.38mm

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](mailto:techsupport@awsaustralia.com.au) and our qualified technical advisors will assist you with product selection and specification for your project.

### NOTES

1. 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](http://www.wers.net)

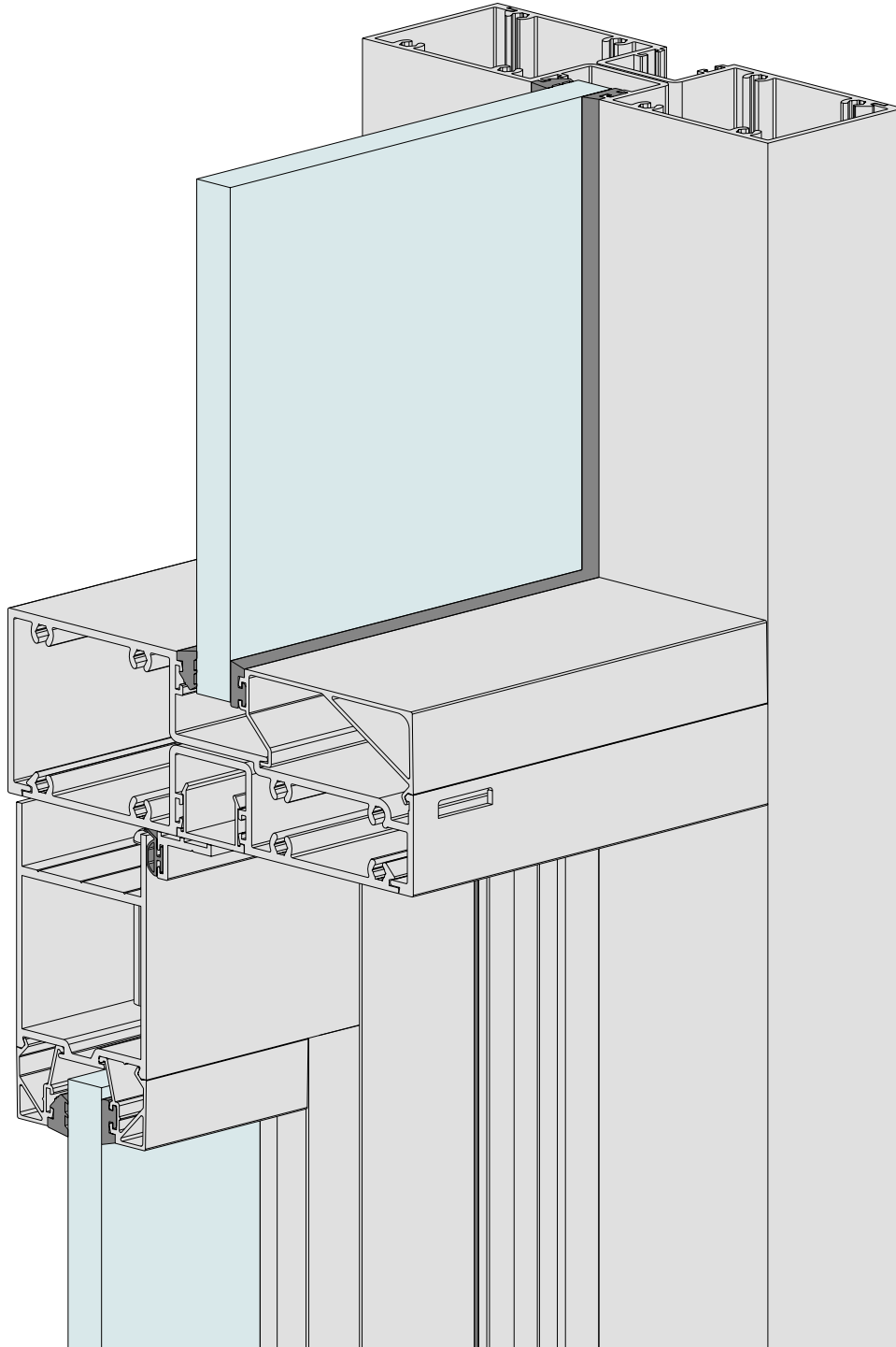


# Series 620 CentreGLAZE™ Single Glaze Framing

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## DESIGN FEATURES

Series 620 fixed light framing and matching hinged, pivot and sliding doors are designed to accept thick glass. The 20.50mm wide pocket will accept glass up to 15.38mm thick.



# Series 620 CentreGLAZE™ Single Glaze Framing

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## DESIGN FEATURES

- 150 x 50mm Pocket CentreGLAZE™ shopfront framing system designed to accept thick glass with 20.50mm wide by 22.50mm deep glazing pocket.
- Glazing pocket designed to accept our co-extruded captive glazing wedges.
- Matching heavy duty 50mm thick door that will also accept thick glass using snap-on glazing beads. The deep (19mm) braced beads are designed to support thick glass while giving the appropriate glass cover (bite).
- Double beaded COC transom that accepts the same beads as door and gives the 20.50mm wide glazing pocket.
- Braced fixed framing bead designed to stay in place under high negative wind loads.
- We have included additional central screw ports to keep the joints tight and waterproof and support the weight of extra heavy glass units.
- Two midrail sizes to choose from (125 and 200mm deep).
- Door thresholds cover both internal and external swing hinged doors.
- Sub-head, sub-sills and two piece sub-jamb to assist with installation.
- Sub-sills have central support leg, designed to support the weight of heavy glass panels and prevent sill dishing.
- More features are shown on the following pages

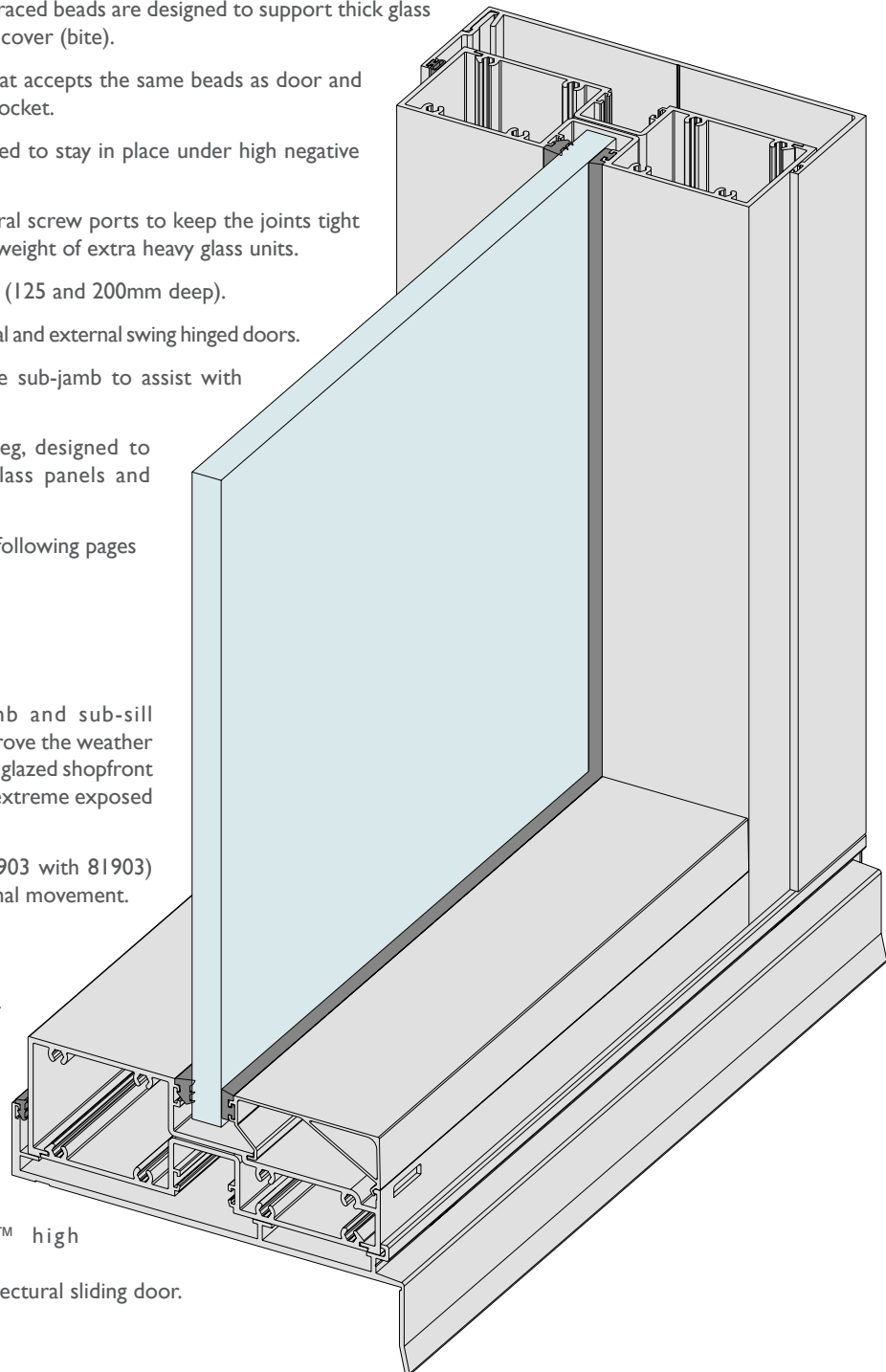
### Limitations:

- There is a sub-head, sub-jamb and sub-sill treatment to choose from to improve the weather performance. But please note dry glazed shopfront framing is not recommended for extreme exposed locations.
- Allow for mullion expansion (81903 with 81903) on units that are subject to thermal movement.

### Compatibility:

We have designed a number of compatible framing suites that can be coupled or used together:

- Series 606 FrontGLAZE™ single glazed framing.
- Series 626 FrontGLAZE™ double glazed framing.
- Series 607 FACELINE™ framing.
- Series 702 SlideMASTER™ high performance sliding door.
- Series 704 SlideMASTER™ architectural sliding door.

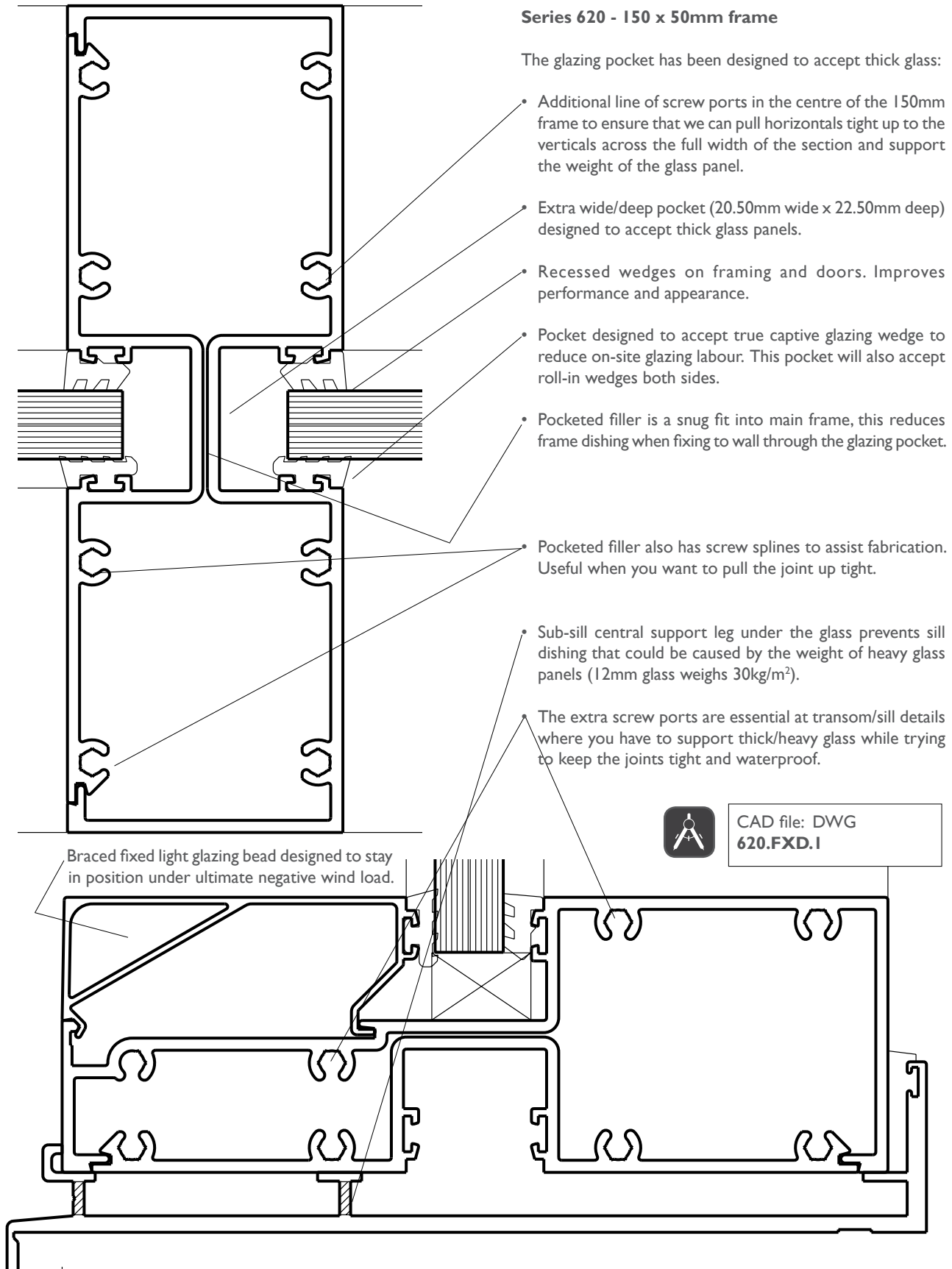


Series 620

# CentreGLAZE™ Single Glaze Framing

DATE: NOV 12  
 REPLACES: MARCH 08  
 SCALE: FULL SIZE

## FRAME DESIGN FEATURES



# Series 620 CentreGLAZE™ Single Glaze Framing

DATE: NOV 12  
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## DOOR DESIGN FEATURES

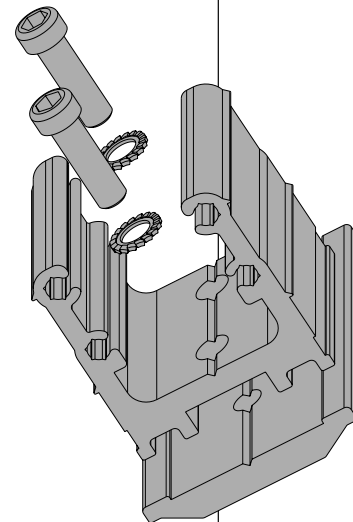
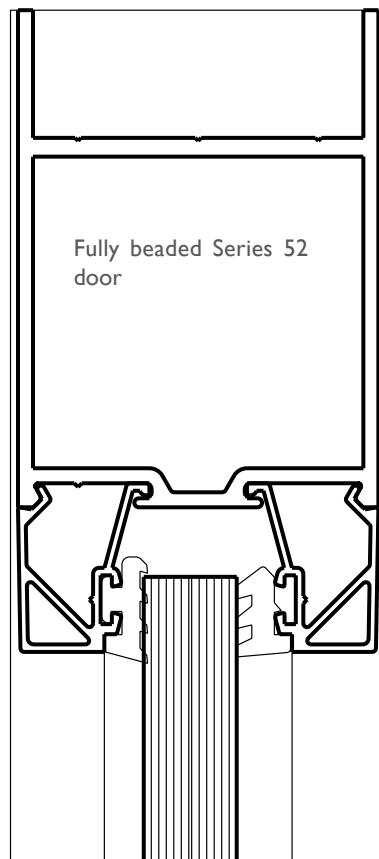
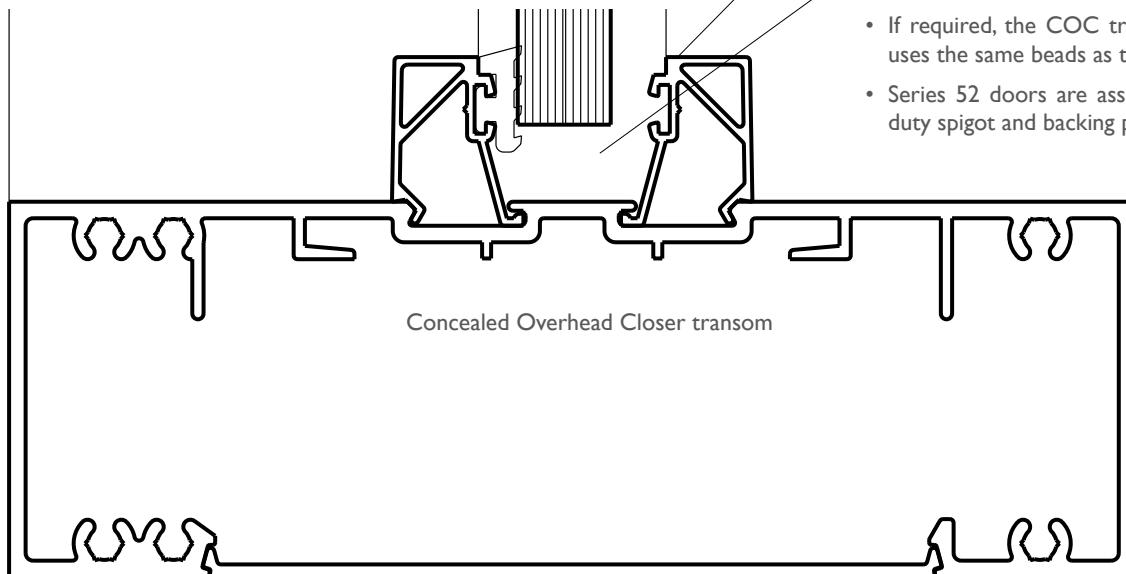


CAD file: DWG  
620.PVT.I

### Series 52 Door - 50mm thick

The Series 52 heavy duty door and COC transom has been designed to accept thick glass:

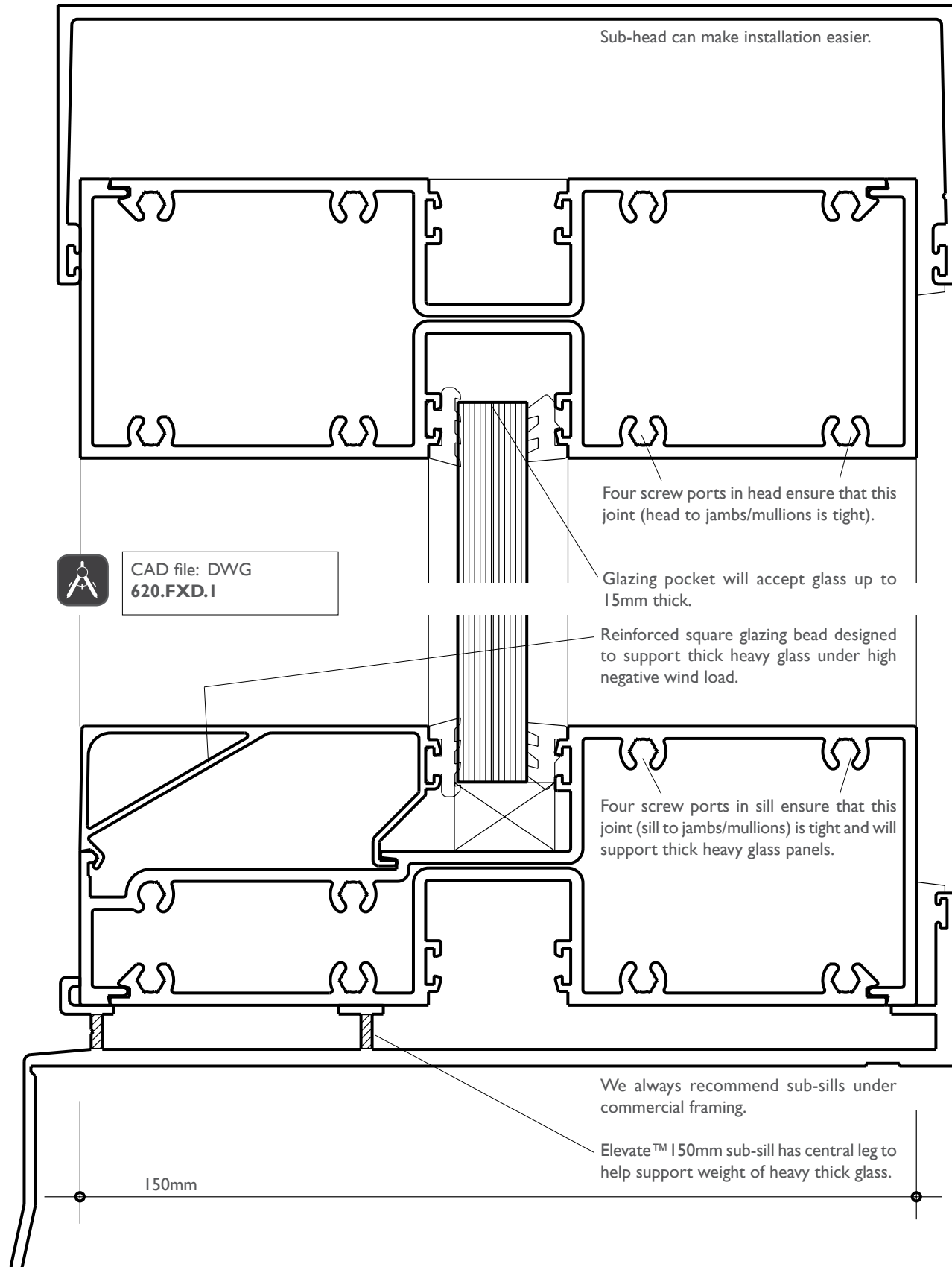
- Snap-on braced glazing beads give the same 20.50mm wide glazing pocket as the adjoining fixed framing.
- The beads are 19mm tall giving the glass plenty of cover (bite).
- If required, the COC transom (shown left) uses the same beads as the door.
- Series 52 doors are assembled using heavy duty spigot and backing plate.



# Series 620 CentreGLAZE™ Single Glaze Framing

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## HEAD AND SILL





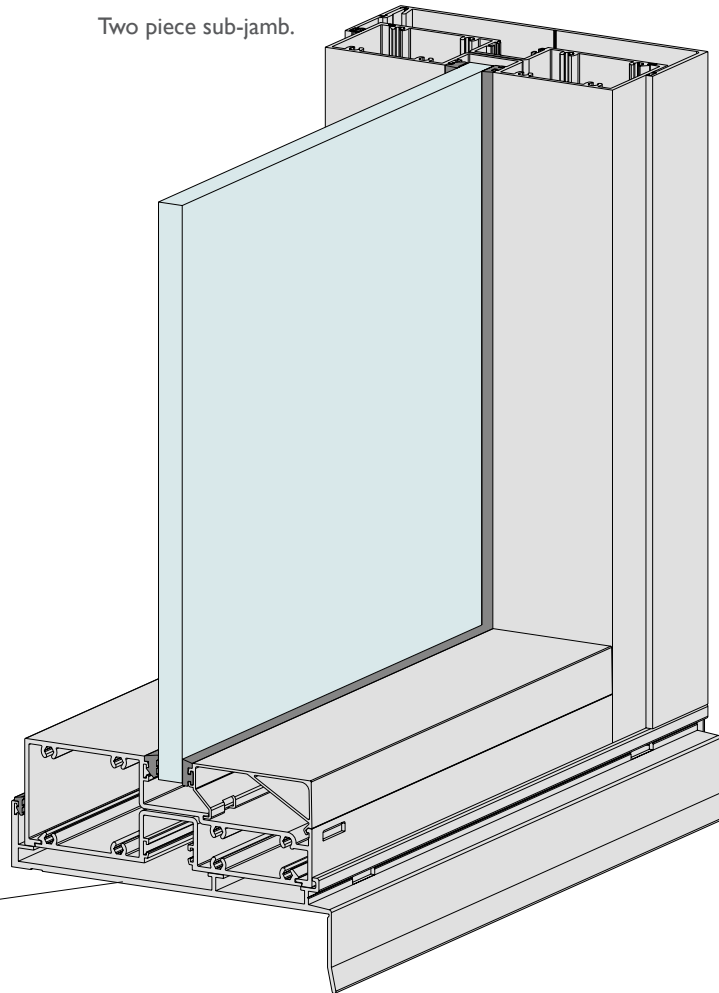
# Series 620 CentreGLAZE™ Single Glaze Framing

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## SUB-SILL

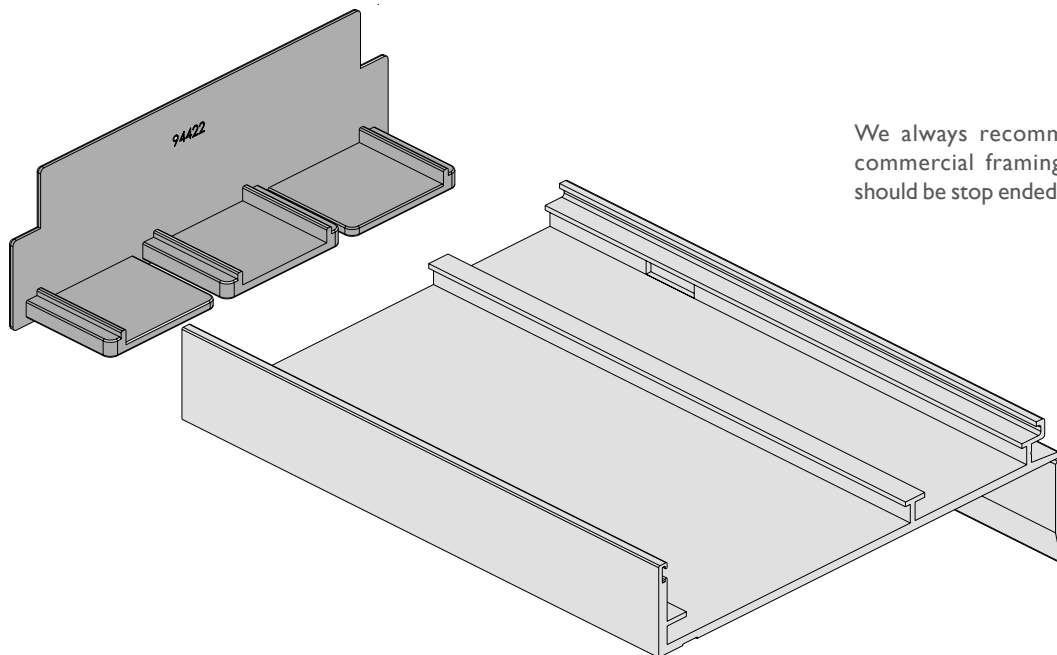
If you are serious about keeping water out fit sub-sills.

Two piece sub-jamb.



Elevate™ sub-sills fitted with moulded nylon stop-ends.

Sub-sill.

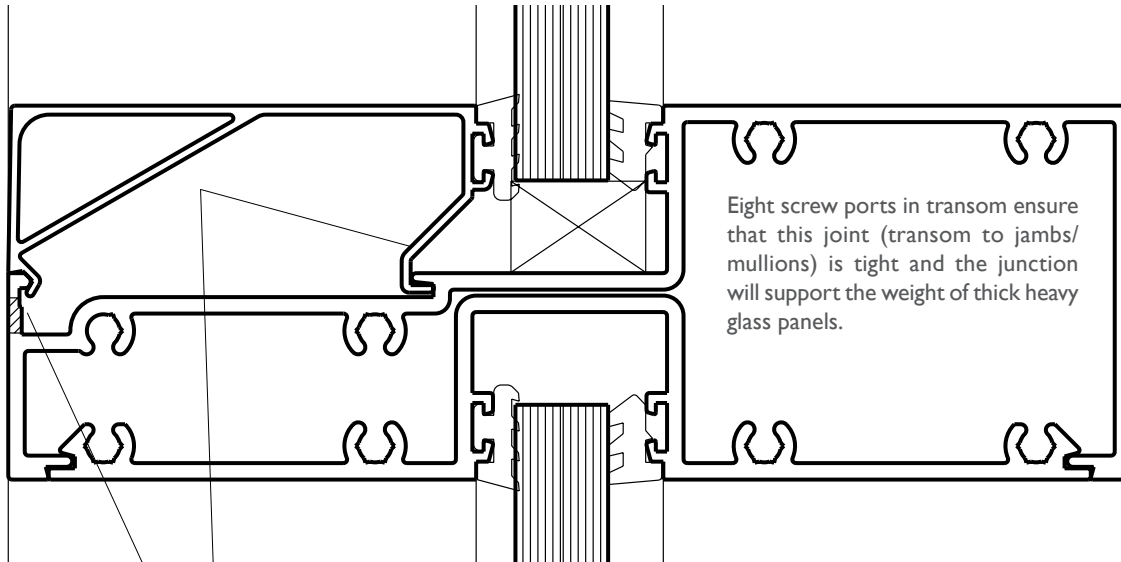


We always recommend sub-sills under commercial framing and these sub-sills should be stop ended as shown on this page.

# Series 620 CentreGLAZE™ Single Glaze Framing

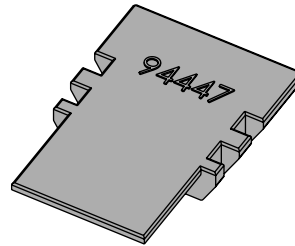
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## TRANSOM



Eight screw ports in transom ensure that this joint (transom to jamb/mullions) is tight and the junction will support the weight of thick heavy glass panels.

Drainage slots in transom and glazing bead to allow any moisture that gets into the glazing pocket back to the outside.

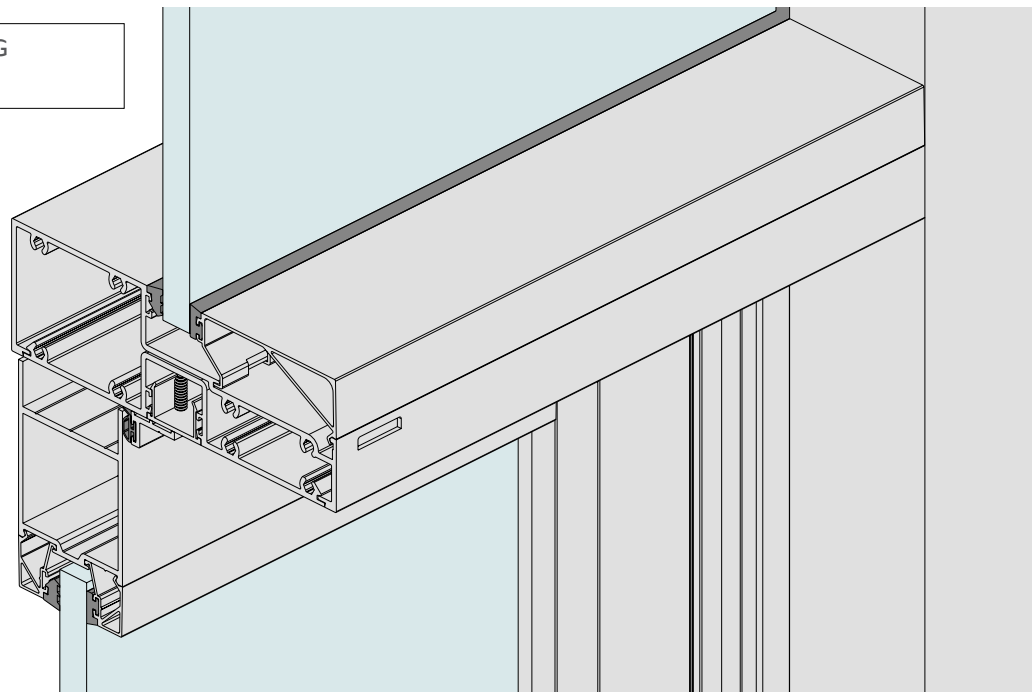


It's important to close off transom to jamb/mullion recess to prevent water from the top level getting down and potentially leaking through the lowlight.



CAD file: DWG  
**620.FXD.1**

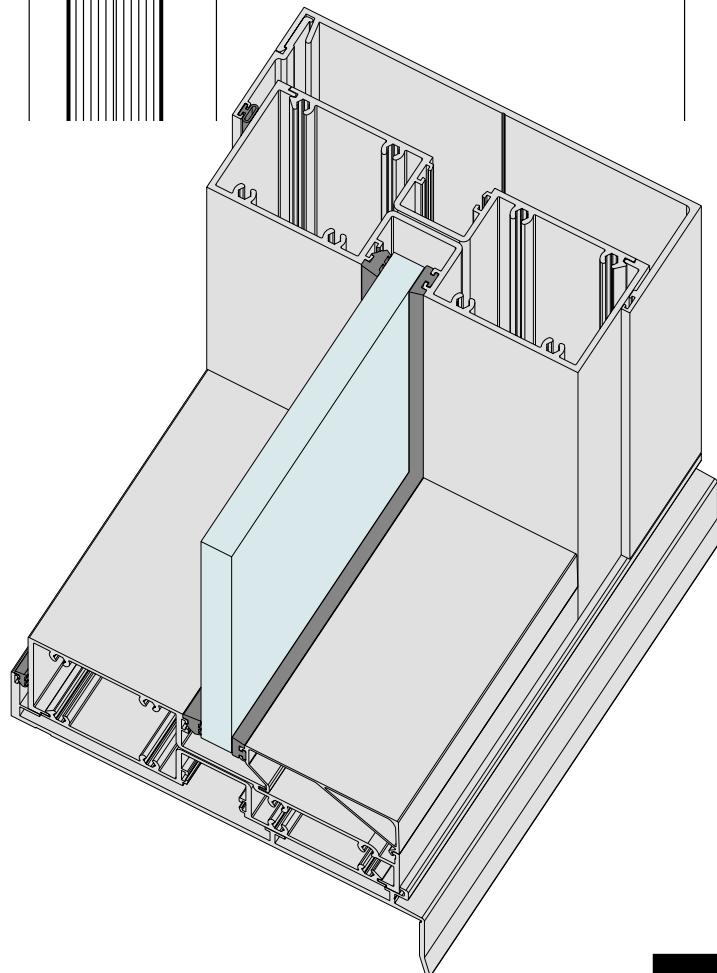
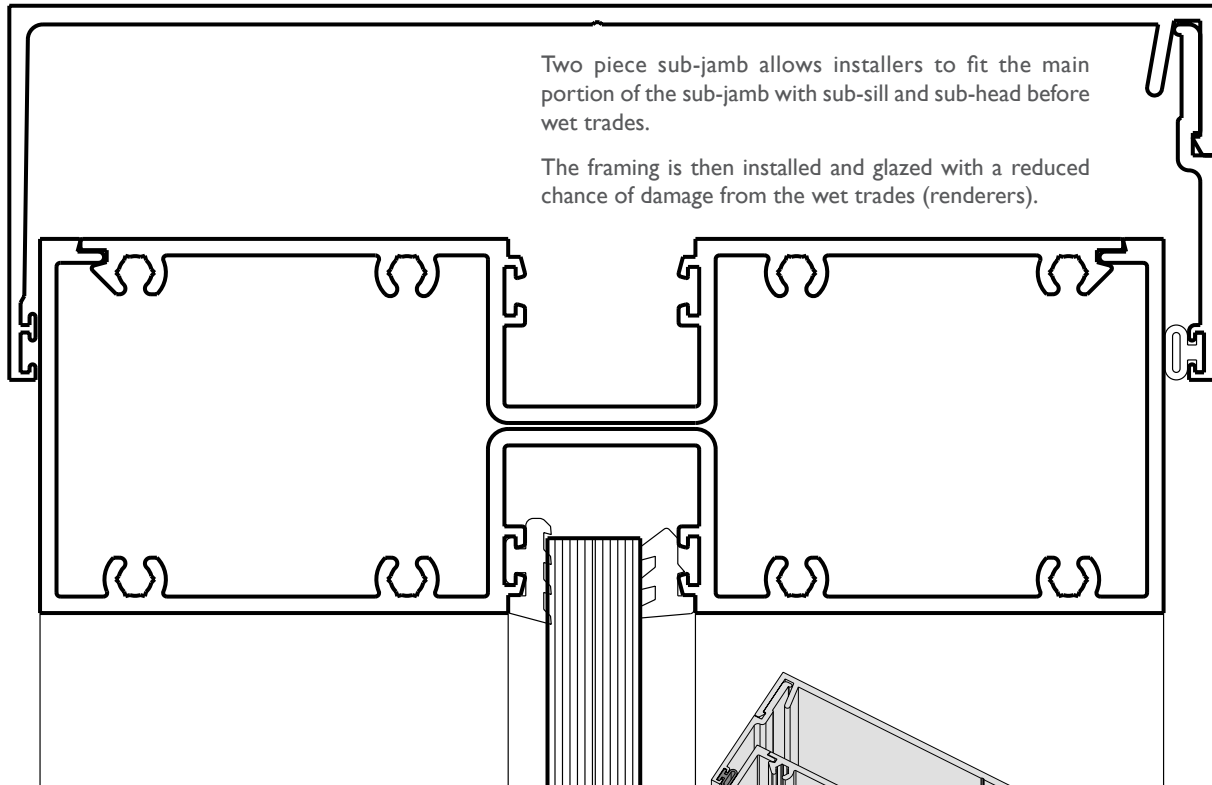
Series 52 door shown



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## JAMB

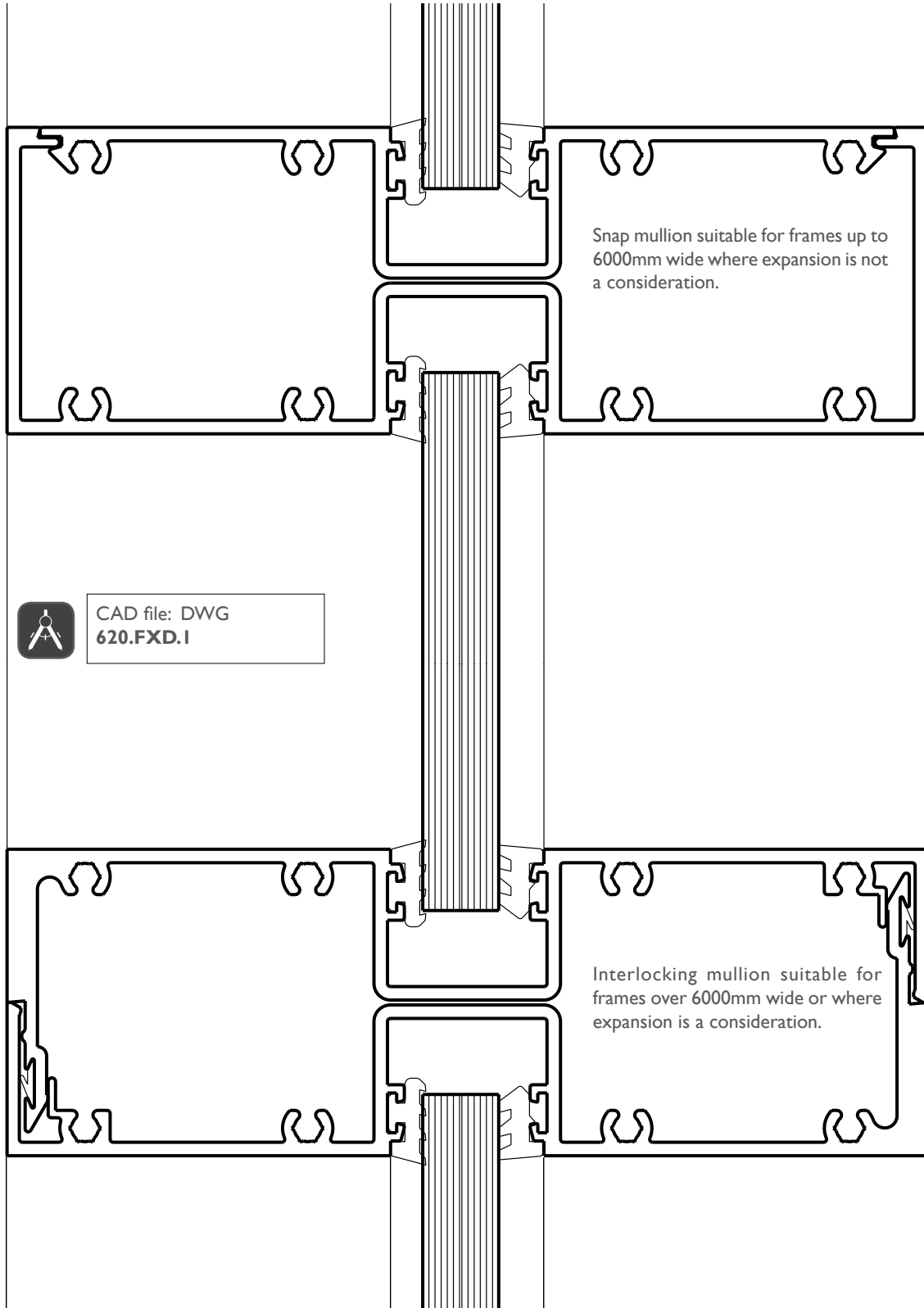


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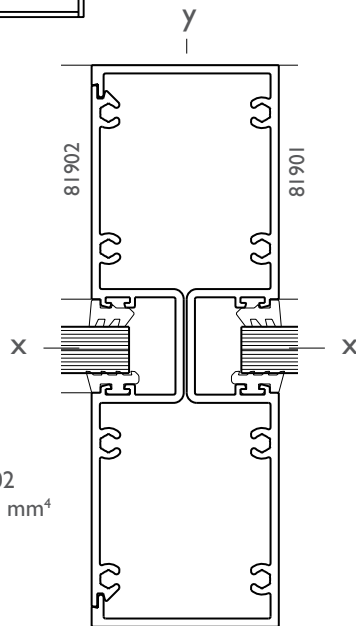
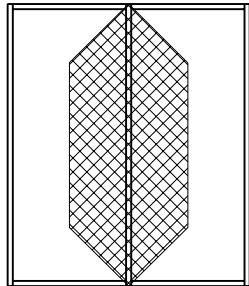
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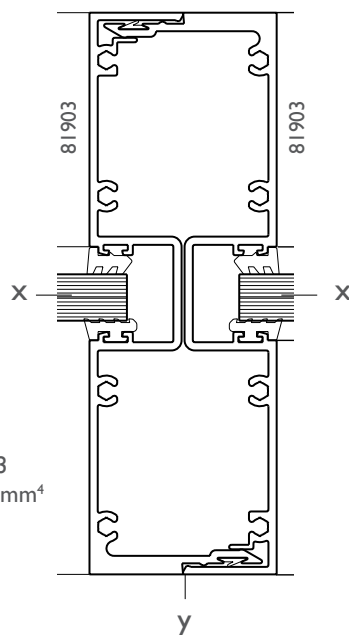
## MULLIONS



## MULLION RATINGS



81901 with 81902  
 $I_{xx} = 2846 \times 10^3 \text{ mm}^4$



81903 with 81903  
 $I_{xx} = 3846 \times 10^3 \text{ mm}^4$

**S** = Serviceability limit state (deflection = L/250).  
**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 AS 2047.

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

Height mm	Mullion centres mm							
	800	1000	1200	1400	1600	1800	2000	
2400	S	3333	3333	3321	2943	2681	2498	2377
	U	5000	5000	4982	4415	4021	3747	3565
2600	S	3333	3274	2792	2461	2227	2058	1939
	U	5000	4912	4189	3692	3340	3087	2908
2800	S	3330	2803	2383	2092	1883	1729	1617
	U	5000	4205	3574	3137	2824	2594	2426
3000	S	2874	2337	1987	1745	1570	1441	1346
	U	4491	3642	3087	2701	2422	2214	2059
3200	S	2360	1915	1624	1422	1275	1166	1083
	U	3935	3186	2695	2352	2102	1914	1772
3400	S	1962	1587	1345	1175	1050	957	886
	U	3477	2812	2374	2067	1843	1673	1543
3600	S	1649	1334	1127	982	876	796	734
	U	3096	2500	2108	1832	1630	1476	1357
3800	S	1399	1130	954	830	739	-	-
	U	2773	2238	1884	1635	1452	-	-
4000	S	1197	967	815	708	-	-	-
	U	2499	2015	1695	1469	-	-	-

Wind Ratings (Pa) snap mullion 81901 and 81902.

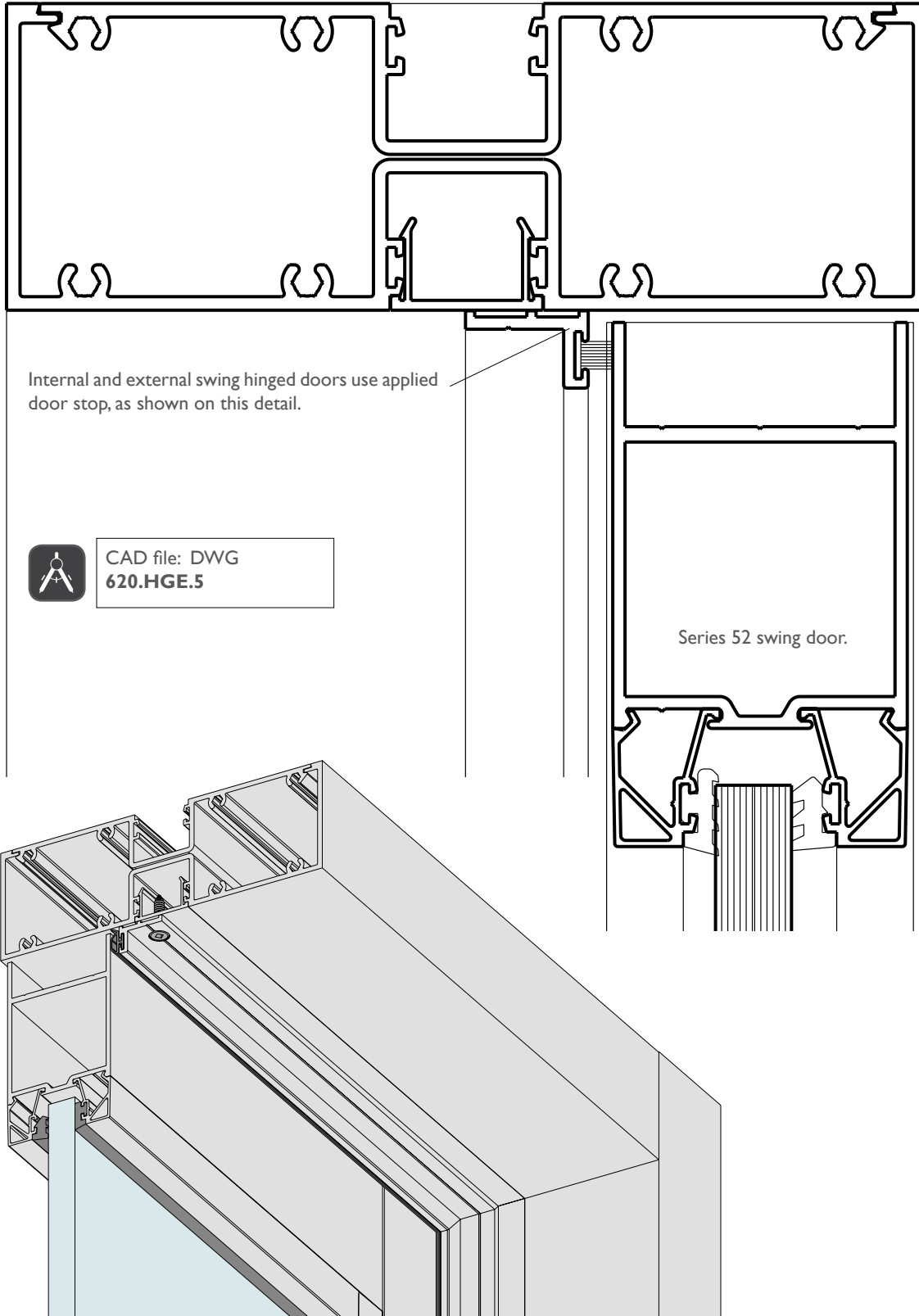
Height mm	Mullion centres mm							
	800	1000	1200	1400	1600	1800	2000	
2400	S	3333	3333	3333	3333	3170	2955	2811
	U	5000	5000	5000	5000	4756	4432	4217
2600	S	3333	3333	3303	2911	2634	2434	2293
	U	5000	5000	4954	4367	3951	3652	3440
2800	S	3333	3316	2818	2474	2227	2046	1913
	U	5000	4974	4227	3711	3340	3068	2869
3000	S	3333	2872	434	2130	1910	1746	1623
	U	5000	4308	3652	3195	2864	2619	2435
3200	S	3103	2512	2125	1855	1657	1510	1397
	U	4654	3769	3188	2782	2486	2264	2096
3400	S	2651	2148	1818	1587	1419	1293	1197
	U	4113	3326	2808	2445	2179	1979	1825
3600	S	2228	1803	1523	1327	1184	1076	992
	U	3661	2957	2493	2167	1927	1746	1606
3800	S	1890	1528	1289	1121	998	905	833
	U	3280	2647	2229	1934	1717	1553	1424
4000	S	1618	1306	1101	956	850	769	706
	U	2956	2383	2005	1738	1541	1390	1273

Wind Ratings (Pa) interlocking mullion 81903 and 81903.

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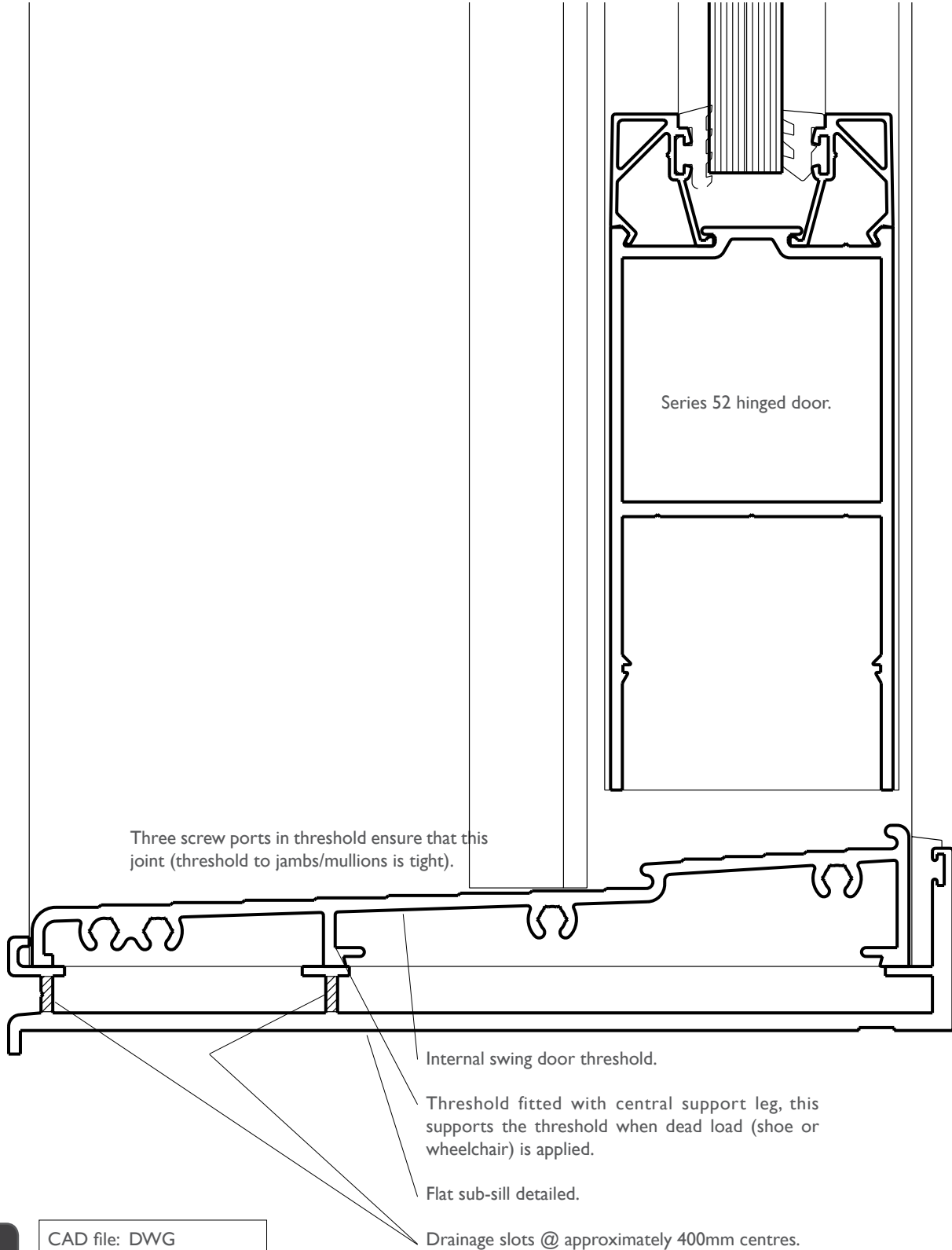
## HINGED DOOR HEAD



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## INTERNAL HINGED DOOR SILL



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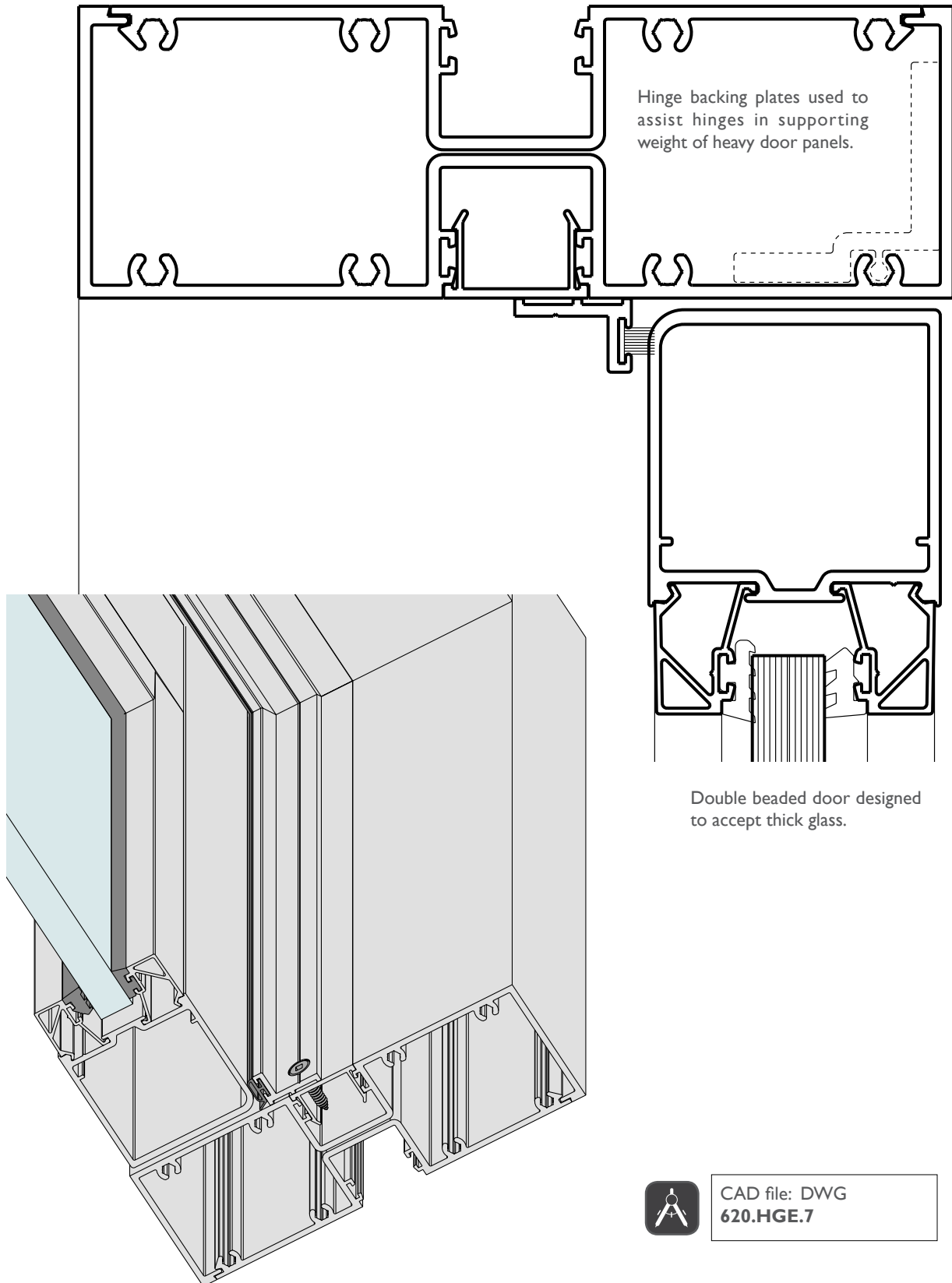


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## HINGED DOOR JAMB

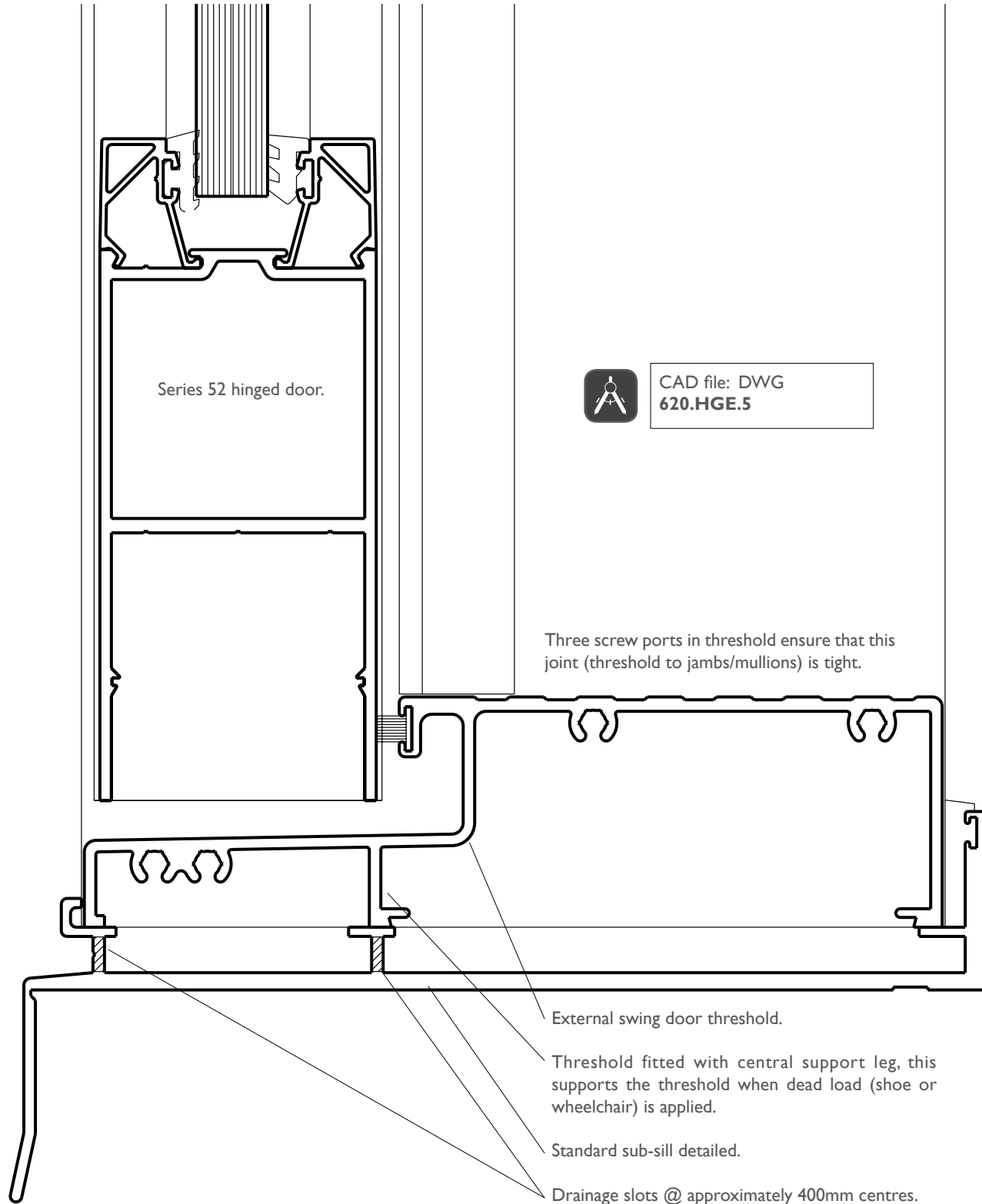




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## EXTERNAL HINGED DOOR SILL



# Series 620 CentreGLAZE™ Single Glaze Framing

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## AWNING SASH INSERT

### Awning/casement inlay into Series 620 CentreGLAZE™

Facing awning and casement sashes can be inlaid into Series 620 shopfront framing.

Sashes can be fitted with a large variety of hardware as shown on these pages:

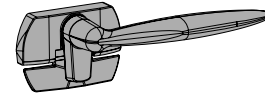
- MIRO™ cam handles.
- ICON™ cam handles
- Wedgeless cam handles.
- Manually operated chain winders \*\*.
- Electronically operated winders \*\*.

**Notes:**

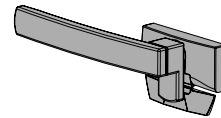
If you want to fit flyscreens, fit one of the winder options.

If the sashes are elevated (over doors) consider using electric winders.

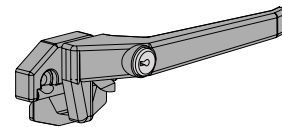
\*\* If you plan to use one of the winder bases, fit 8mm packer/spacer under the base to lift the chain into the correct location to connect to the sash.



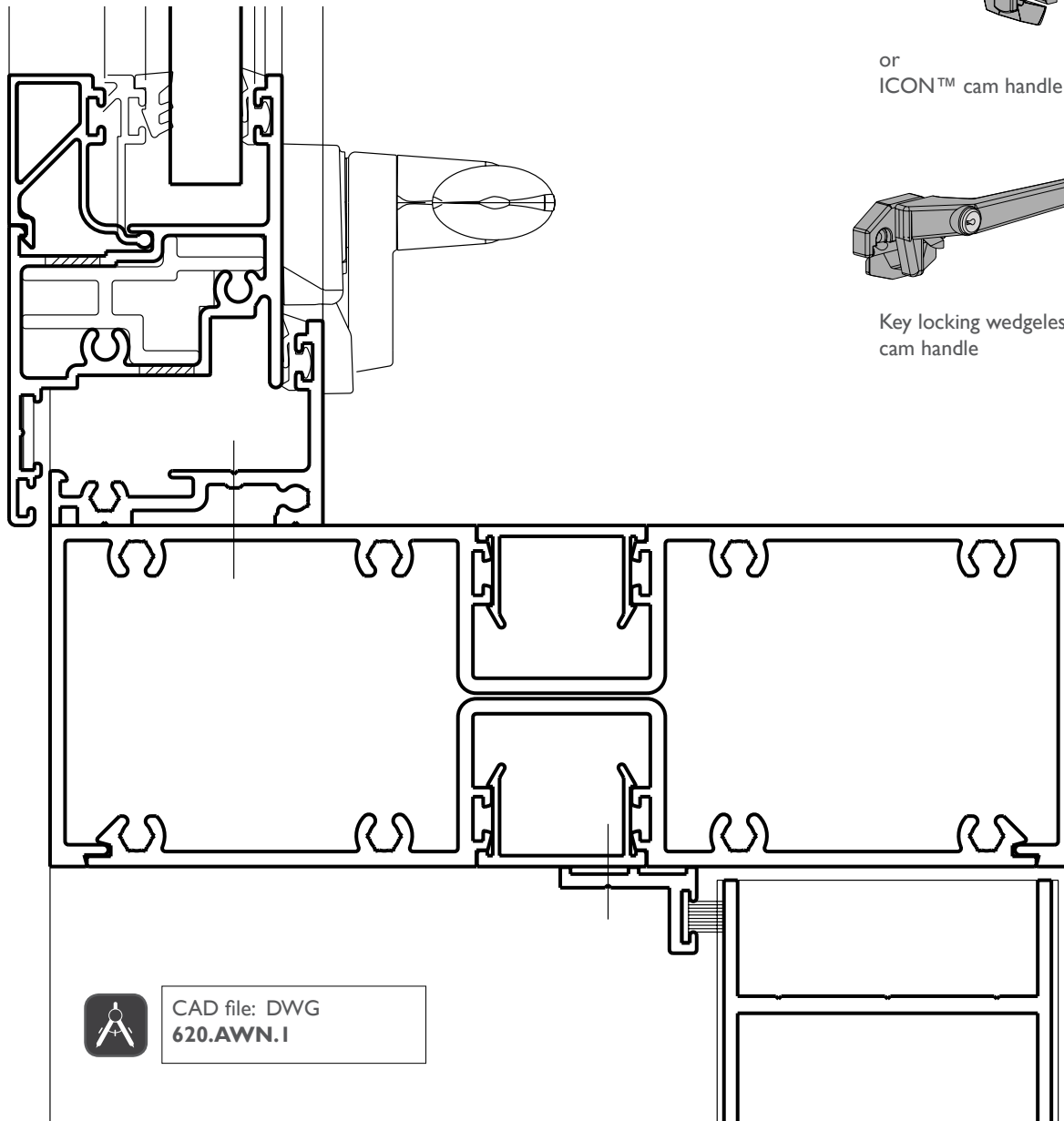
MIRO™ cam handle



or  
 ICON™ cam handle



Key locking wedgeless  
 cam handle



CAD file: DWG  
 620.AWN.I