CityView™
Commercial Systems

101.6mm Centre Double Glazed

TECHNICAL MANUAL

SLS - 2750Pa
ULS - 4000Pa

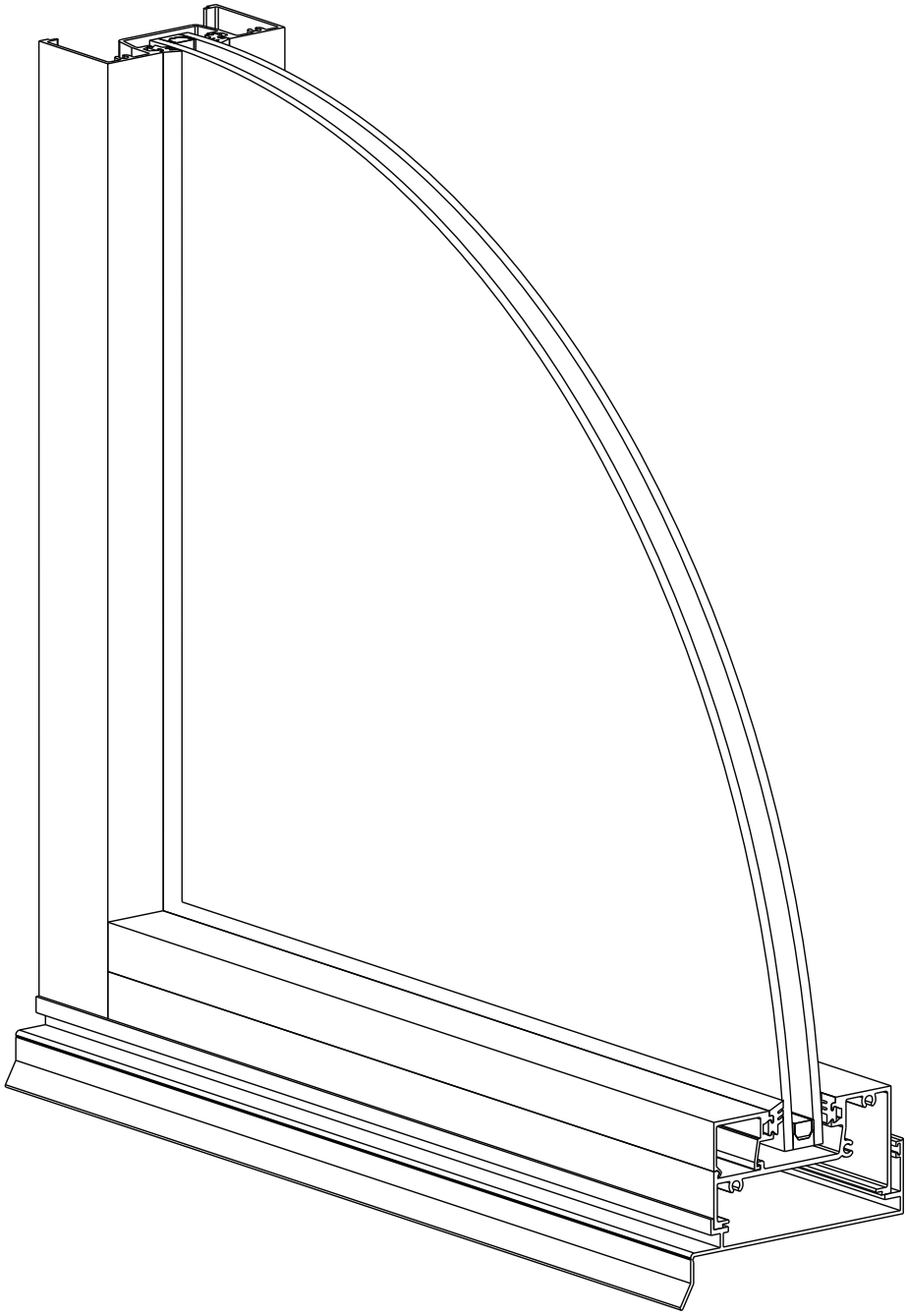
Air - 0L
Water - 1200Pa

Acoustic - Rw 41

Fire Rating Tested
- BAL 40

Double Glazed

U VALUE	2.18 to 3.48
SHGC	0.14 to 0.71
TVW	0.06 to 0.74



53mm
76mm
101.6mm
150mm
165mm
200mm
250mm

U Value 2.3-3.5
Max 28mm

Subsill & Sump
Draining

Transom
Draining

JUN 2026 | VERSION 1.1

DARLEY ALUMINIUM

Disclaimer

Darley Aluminium strives to ensure the technical details contained in this manual are complete and correct. Occasionally, some errors or outdated information may require rectification - Darley Aluminium takes no responsibility for any loss or damage as a result of these errors. If you are unsure of any information provided within this manual, please contact your nearest Darley Aluminium office.

Engineering, manufacture and installation of frames must meet requirements of AS2047 (Windows in Buildings).
Glazing selected must meet requirements of AS 1288 (Glass in Buildings).
Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 (Wind Actions) or AS 4055 (Wind Loads for Housing). An Engineer should be consulted to ensure selected framing and installation meets the requirements as set out by the relevant Australian Standards.

Any reference to an Australian Standard within this manual is based on the interpretations of Darley Aluminium. Code Compliance responsibility remains with the user of this manual. Misuse or misinterpretation of the information in this manual or of the Australian Standards remains the responsibility of the user of this manual.

Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.

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Contents

Welcome

Overview

Darley's 101.6 x 50mm Centre Double Glazed Framing System is the ideal choice for modern architectural requirements, meeting current design trends as well as performance specifications.

The system is ideally suited for shopping centres, offices, show rooms, and commerical buildings. It is also widely used in high end residential developments and apartments.
This Framing can incorporate: hinged and sliding doors, sliding windows and a variety of awning and casement windows.
With the use of reducers, glazing range can be from 6mm to 28mm IGU.

All Darley framing systems are available in powder coated and anodised finishes.
(Refer to Darley Aluminium Product Catalogue for further information)

Design Features

- Accepts glass thickness from 6mm to 28mm.
- Compatible with other Darley Aluminium Commercial and Residential Systems
- Self-draining transom
- Accepts a variety of awning sash options (refer to Awning manual)
- Accepts a variety of hinged and sliding door options
- Range of sub-head and sub-sill options
- Range of heavy duty mullion options for tall framing and high-wind areas
- Tested and Approved by an independent NATA accredited laboratory

Performance Summary

100 x 50mm Centre Double Glazed Framing							
MaxTested Size	**SLS**	**ULS**	**Water**	**Air Infiltration**	**Acoustic**	**BAL**	**Glass**
3000mm H x 1500mm W	1930Pa	3500Pa	600Pa	+ 0.22L/s.m^2 - 0.34L/s.m^2	41Rw*	BAL40	mm

*Estimated based on 100 x 50mm front glazed frame

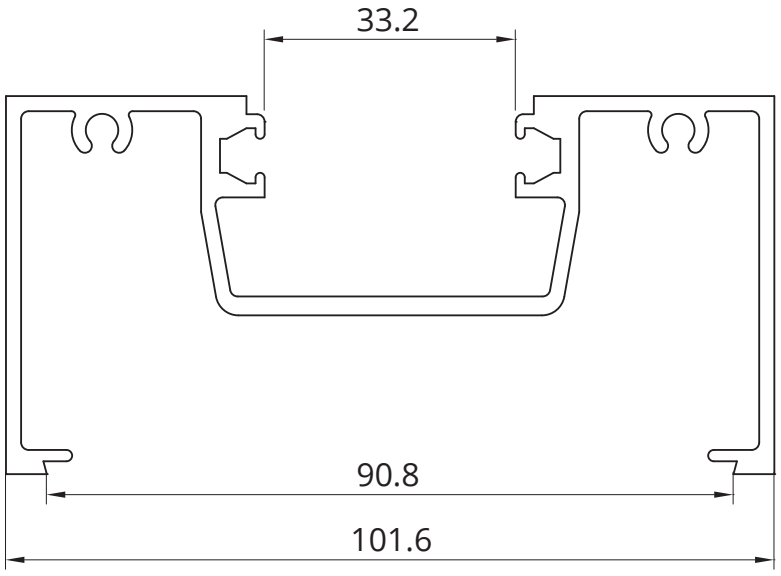
See Performance Section for more detail.
Size limitations are governed by design intent, glass selection and local wind load and deflection requirements. For further technical assistance and fabricator selection contact Darley Aluminium. An Engineer should be consulted to ensure selected framing meets the requirements as set out in the relevant Australian Standards

System Requirements

- Engineering, manufacture and installation of frames must meet requirements of:
  - AS2047-2014 (Windows and external glazed doors in buildings)
- Glazing selected must meet requirements of AS1288:2021 (Glass in Buildings - Selection and Installation)

Section Profiles

Scale 1:1

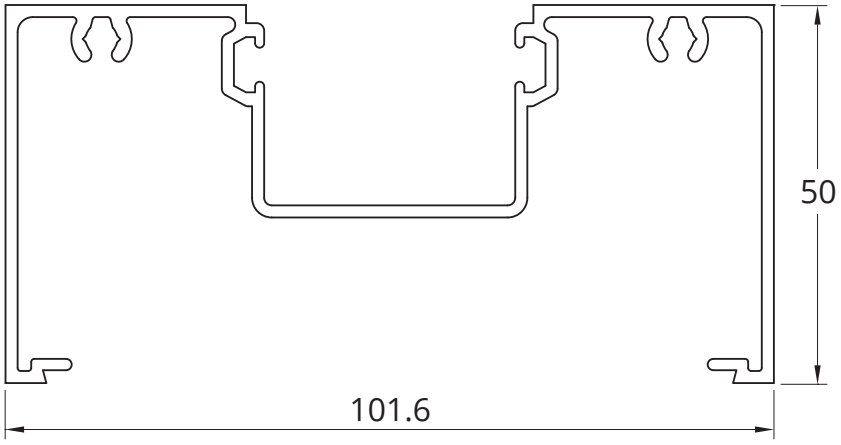


CDG4301

Frame

I_{xx} = 148.81 x 10^3 mm^4
I_{yy} = 880.44 x 10^3 mm^4

A.P. = 611 mm
P.P. = 174 mm

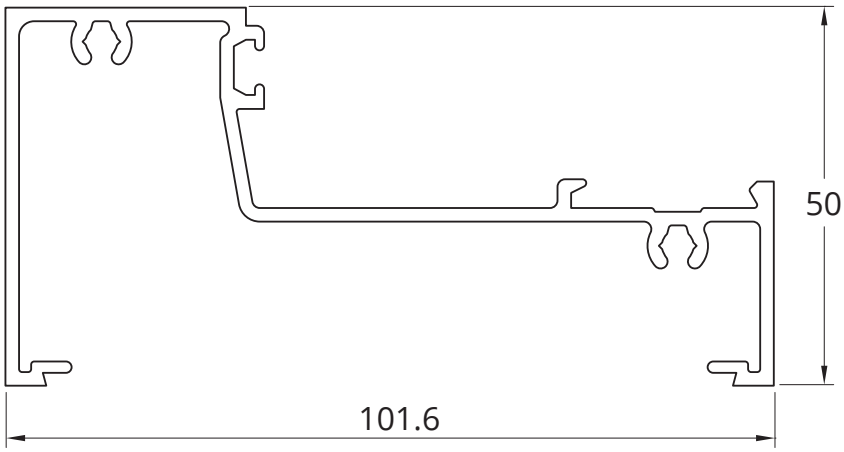


CDG4390

Light Duty Mainframe

I_{xx} = _ x 10^3 mm^4
I_{yy} = _ x 10^3 mm^4

A.P. = 604 mm
P.P. = 174 mm



CDG4302

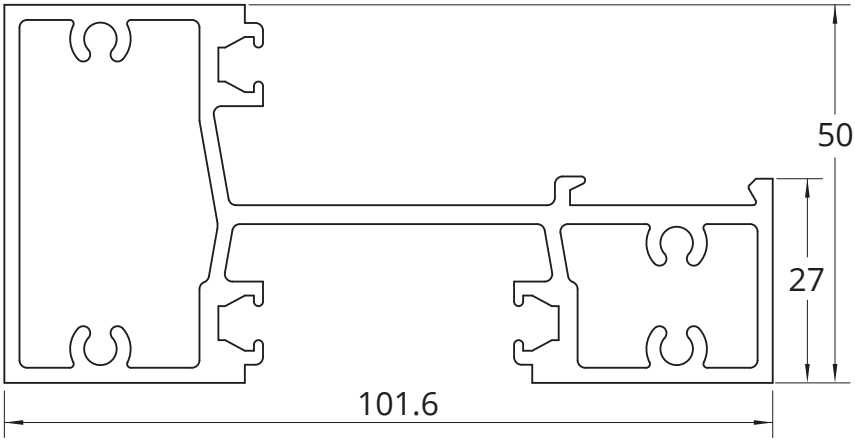
Sill

I_{xx} = 97.06 x 10^3 mm^4
I_{yy} = 633.61 x 10^3 mm^4

A.P. = 506 mm
P.P. = 120 mm

Mainframe Profiles

Scale 1:1

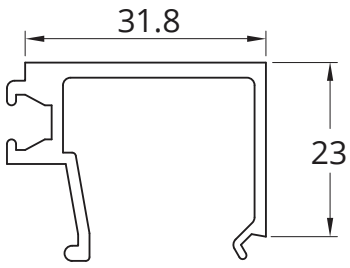


CDG4309

Transom/Sill

I_{xx} = 205.064 x 10^3 mm^4
I_{yy} = 955.514 x 10^3 mm^4

A.P. = 431 mm
P.P. = 172 mm

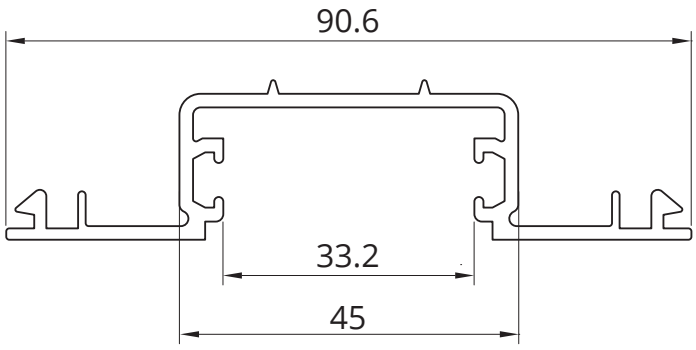


CDG4303

Bead

I_{xx} = 10.750 x 10^3 mm^4
I_{yy} = 24.625 x 10^3 mm^4

A.P. = 191 mm
P.P. = 100 mm



CDG4304

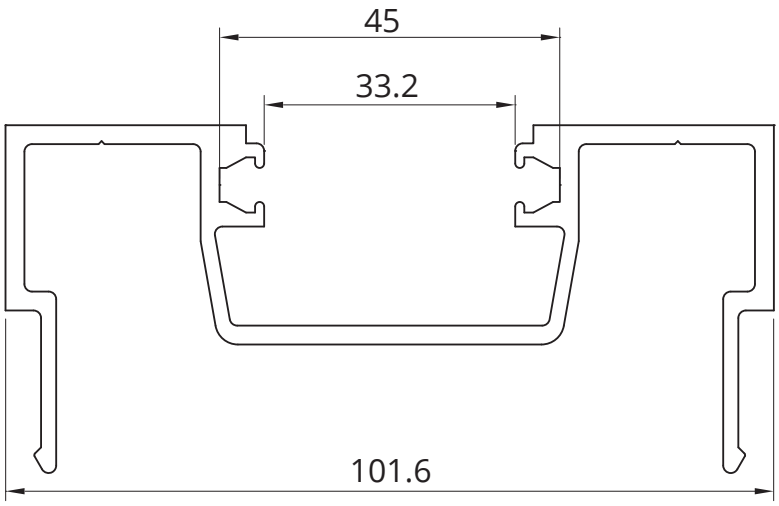
Glazing Adaptor

I_{xx} = 15.85 x 10^3 mm^4
I_{yy} = 196.26 x 10^3 mm^4

A.P. = 339 mm
P.P. = 100 mm

Mainframe Profiles

Scale 1:1

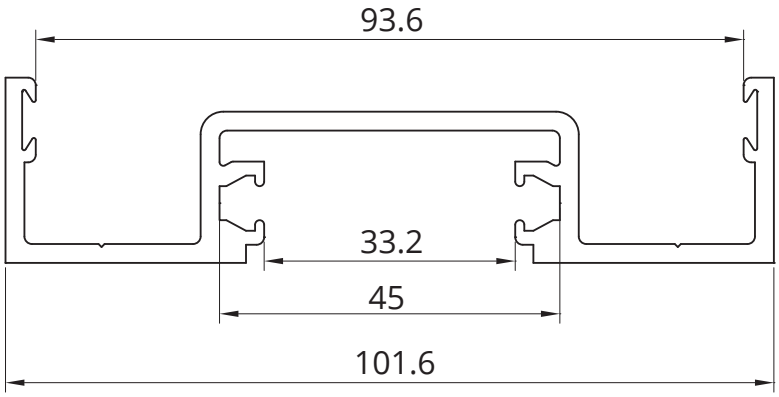


CDG4310

Male Split Mullion

I_{xx} = 103.44 x 10^3 mm^4
I_{yy} = 804.44 x 10^3 mm^4

A.P. = 543 mm
P.P. = 164 mm

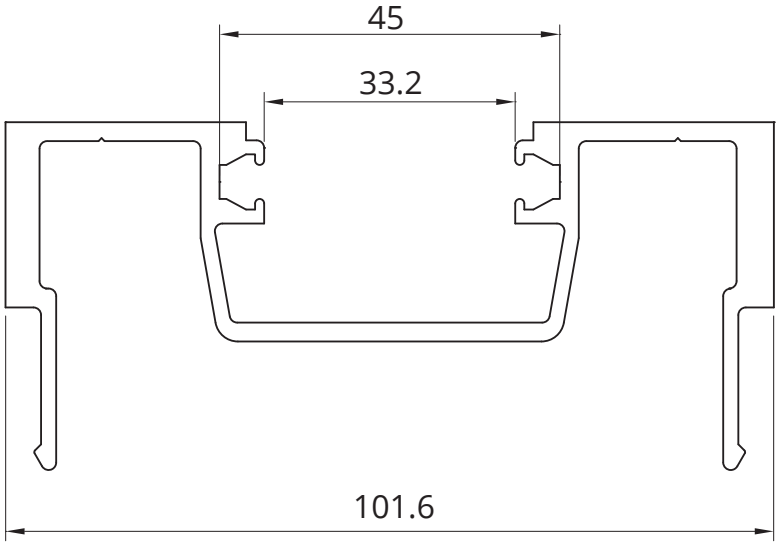


CDG4311

Female Split Mullion

I_{xx} = 31.10 x 10^3 mm^4
I_{yy} = 589.10 x 10^3 mm^4

A.P. = 434mm
P.P. = 122 mm



CDG4312

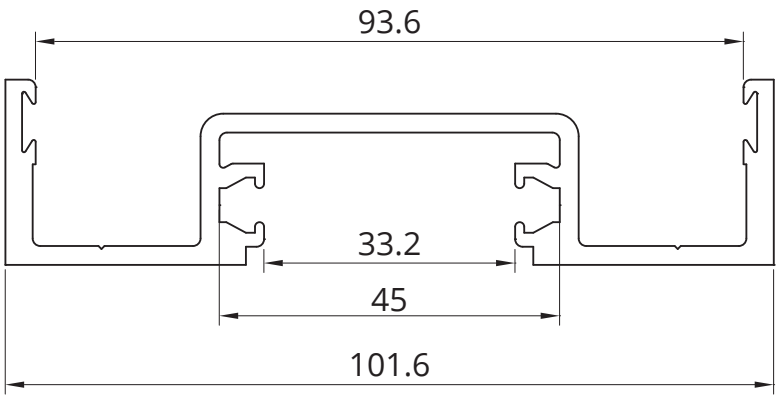
Heavy Duty Split Mullion (Male)

I_{xx} = 107.08 x 10^3 mm^4
I_{yy} = 995.44 x 10^3 mm^4

A.P. = 534 mm
P.P. = 164 mm

Mainframe Profiles

Scale 1:1

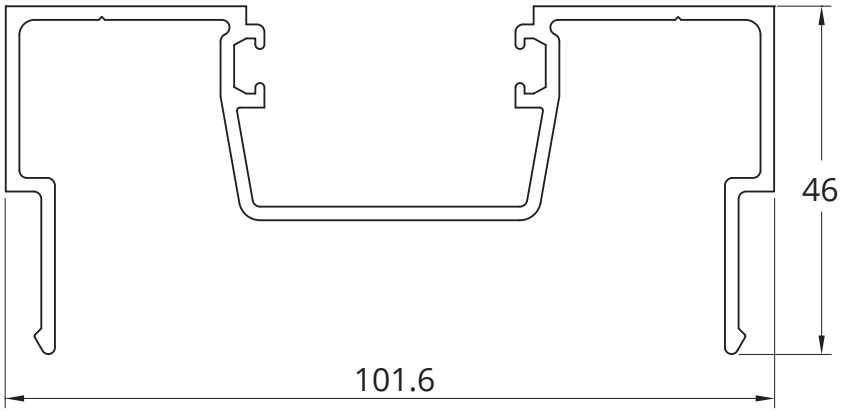


CDG4313

Heavy Duty Split Mullion (Female)

I_{xx} = 31.44 x 10^3 mm^4
I_{yy} = 644.22 x 10^3 mm^4

A.P. = 431 mm
P.P. = 122 mm

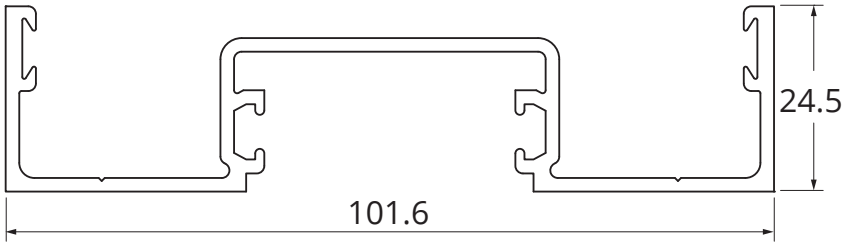


CDG4314

Light Duty Split Mullion (Male)

I_{xx} = 81.17 x 10^3 mm^4
I_{yy} = 615.16 x 10^3 mm^4

A.P. = 531 mm
P.P. = 114 mm



CDG4315

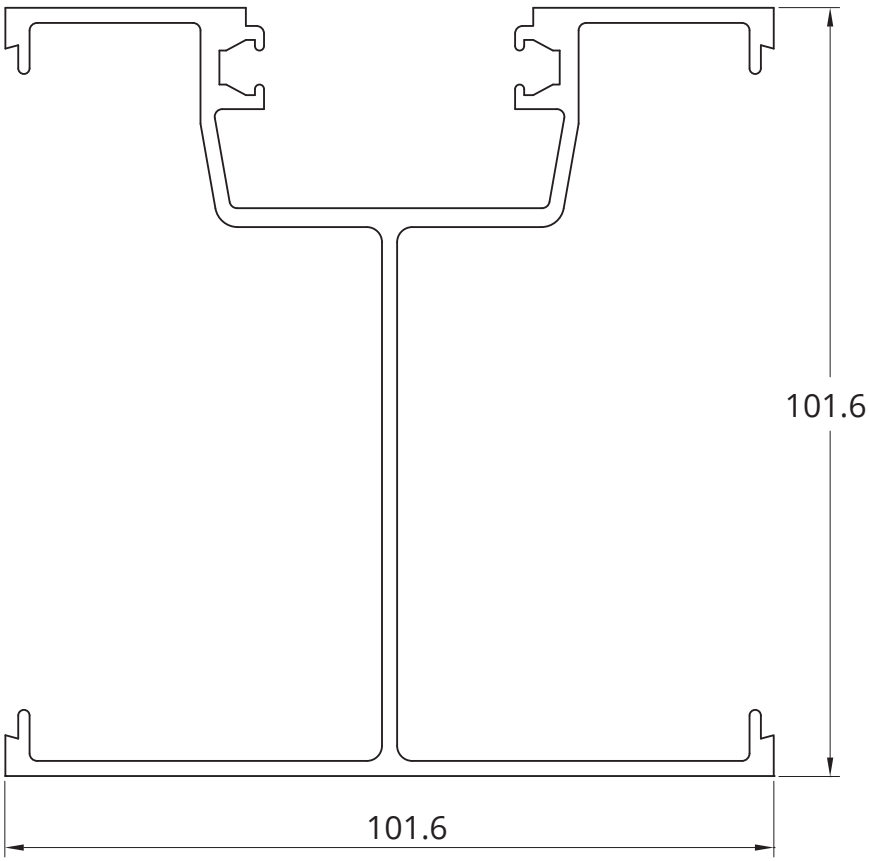
Light Duty Split Mullion (Male)

I_{xx} = 25.32 x 10^3 mm^4
I_{yy} = 466.49 x 10^3 mm^4

A.P. = 431 mm
P.P. = 114 mm

Mainframe Profiles

Scale 1:1

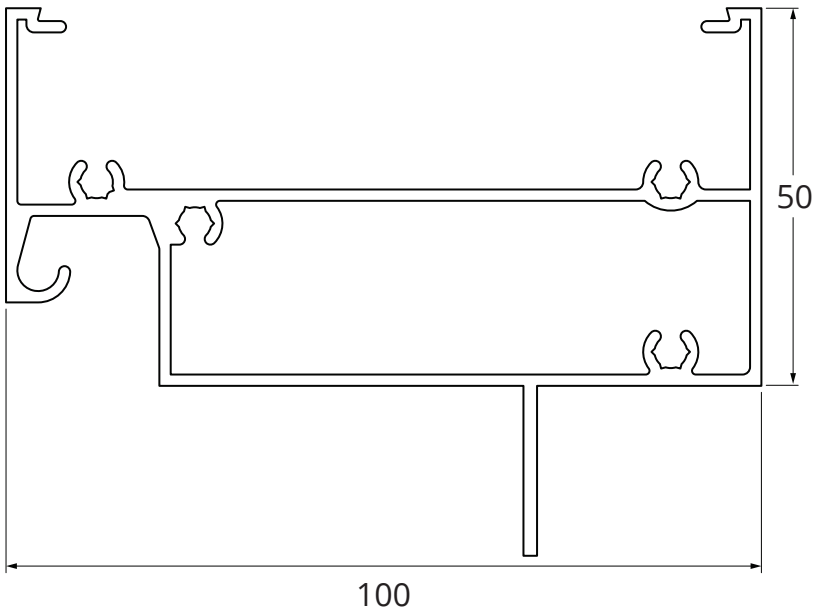


CDG4305

Double Glazed Corner Post

I_{xx} = 1363.35 x 10^3 mm^4
I_{yy} = 593.59 x 10^3 mm^4

A.P. = 748 mm
P.P. = 187 mm



CSG728

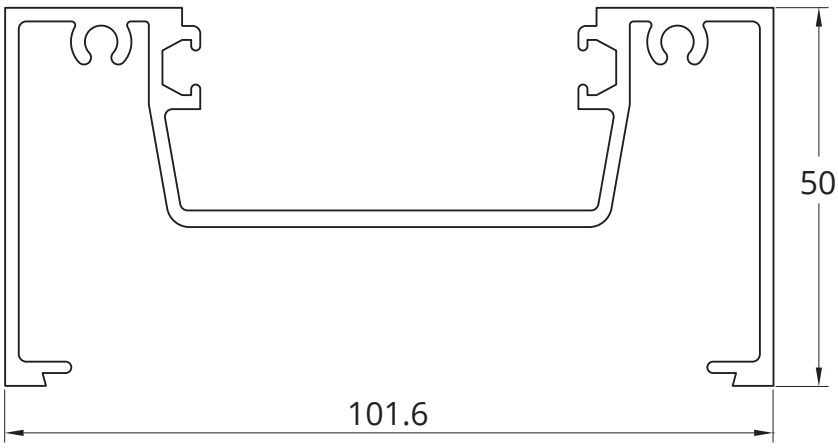
Awning Head/
Transom/ Sill

I_{xx} = 146.3 x 10^3 mm^4
I_{yy} = 733.5 x 10^3 mm^4

A.P. = 497 mm
P.P. = 236 mm

50mm Pocket Mainframe Profiles

Scale 1:1

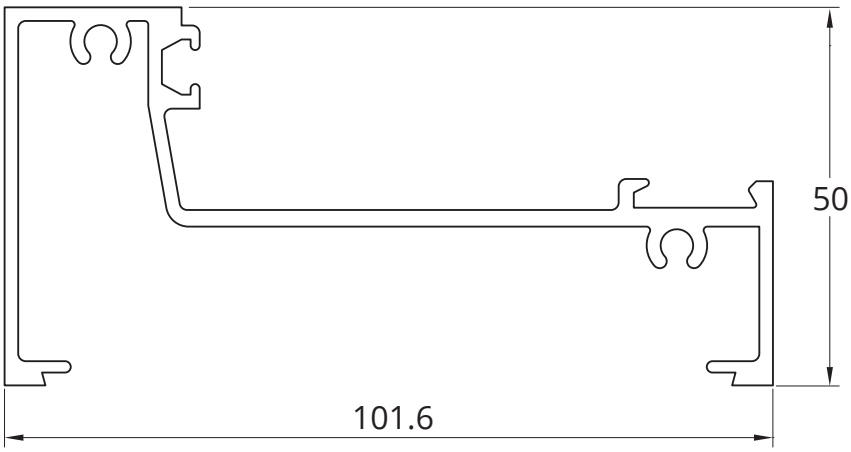


DG5001

50mm Pocket Frame

I_{xx} = 132.075 x 10^3 mm^4
I_{yy} = 863.446 x 10^3 mm^4

A.P. = 603 mm
P.P. = 158 mm

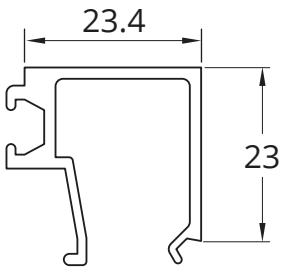


DG5002

50mm Pocket Sill

I_{xx} = 96.735 x 10^3 mm^4
I_{yy} = 712.794 x 10^3 mm^4

A.P. = 498 mm
P.P. = 112 mm



DG5003

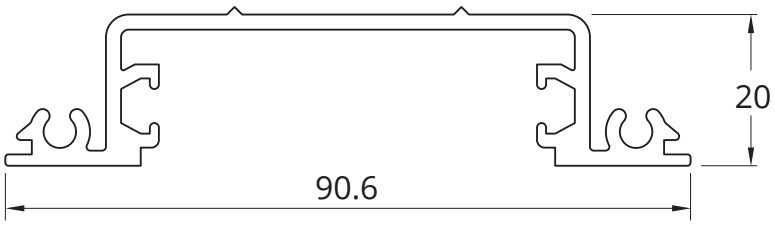
50mm Pocket Bead

I_{xx} = 8.683 x 10^3 mm^4
I_{yy} = 11.174 x 10^3 mm^4

A.P. = 175 mm
P.P. = - mm

50mm Pocket Mainframe Profiles

Scale 1:1

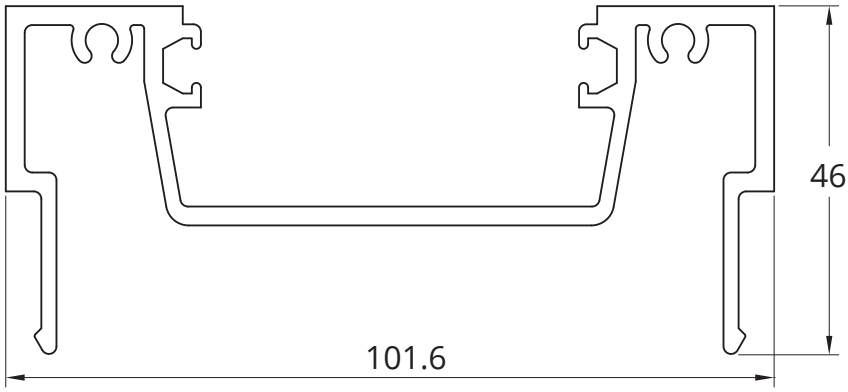


DGF5004

50mm Pocket
Glazing Adaptor

I_{xx} = 20.133 x 10^3 mm^4
I_{yy} = 306.033 x 10^3 mm^4

A.P. = 344 mm
P.P. = - mm

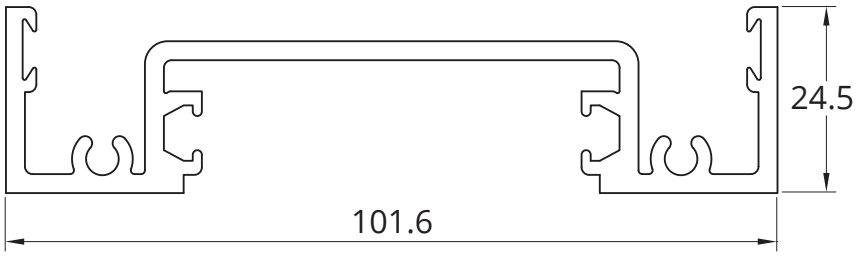


DGF5010

50mm Pocket
Male Mullion

I_{xx} = - x 10^3 mm^4
I_{yy} = - x 10^3 mm^4

A.P. = 566 mm
P.P. = - mm



DG5011

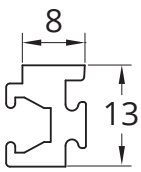
50mm Pocket
Female Mullion

I_{xx} = - x 10^3 mm^4
I_{yy} = - x 10^3 mm^4

A.P. = 462 mm
P.P. = - mm

Additional Profiles

Scale 1:1

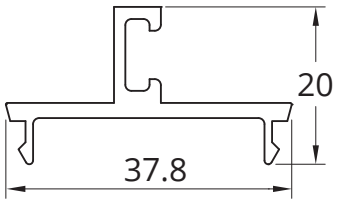


CDG4308

Pocket Reducer

I_{xx} = 1.462 x 10^3 mm^4
I_{yy} = 0.633 x 10^3 mm^4

A.P. = 100 mm
P.P. = 100 mm

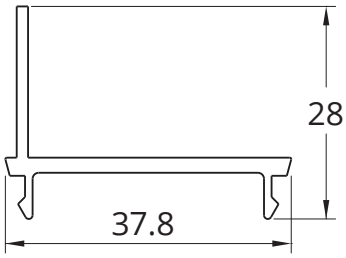


CDG4307

45mm Door Stop

I_{xx} = 2.851 x 10^3 mm^4
I_{yy} = 13.19 x 10^3 mm^4

A.P. = 142 mm
P.P. = 100 mm

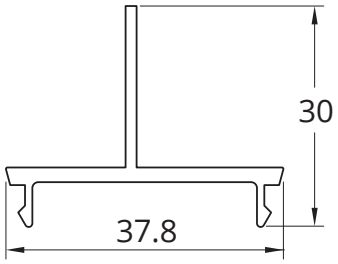


CDG4316

35mm Awning Stop

I_{xx} = 4.633 x 10^3 mm^4
I_{yy} = 19.169 x 10^3 mm^4

A.P. = 143 mm
P.P. = - mm

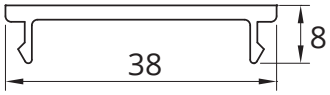


CDG4319

50mm Awning Stop

I_{xx} = - x 10^3 mm^4
I_{yy} = - x 10^3 mm^4

A.P. = 147 mm
P.P. = - mm



DGF4506

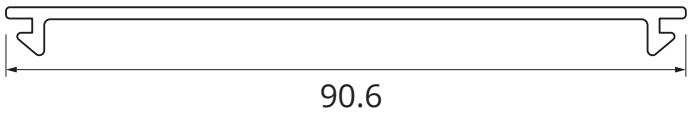
Pocket Filler

I_{xx} = 0.281 x 10^3 mm^4
I_{yy} = 13.26 x 10^3 mm^4

A.P. = 103 mm
P.P. = 100 mm

Subframing Profiles

Scale 1:1

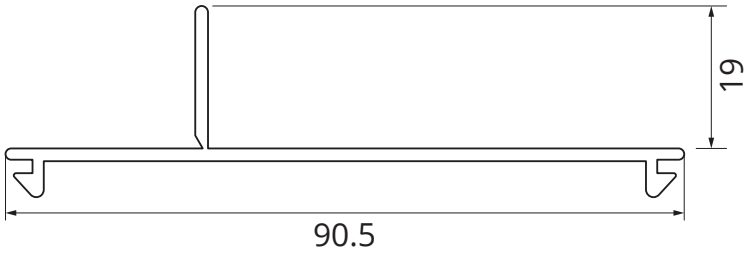


TJ305

Flush Adaptor

I_{xx} = 0.25 x 10^3 mm^4
I_{yy} = 133.8 x 10^3 mm^4

A.P. = 206.1 mm
P.P. = 94 mm

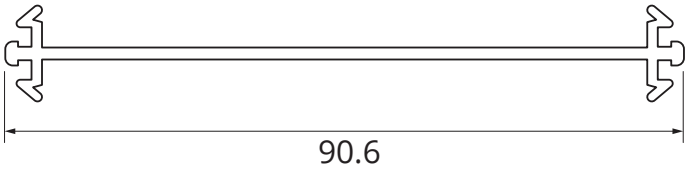


TJ342

Reveal Adaptor

I_{xx} = 4.31 x 10^3 mm^4
I_{yy} = 150.12 x 10^3 mm^4

A.P. = 246 mm
P.P. = - mm

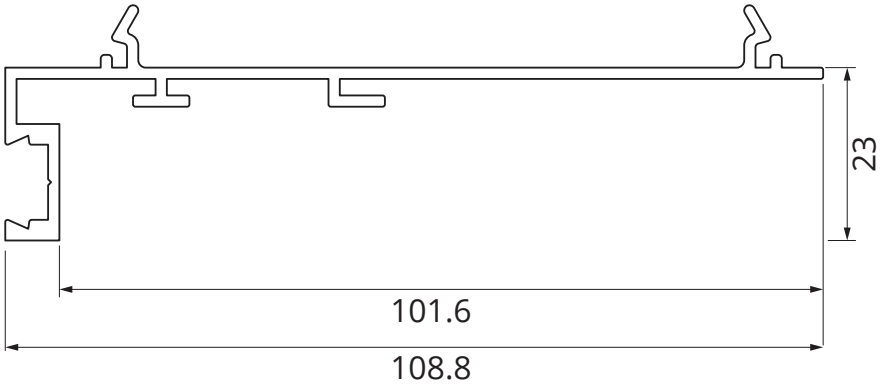


TJ385

Back-to-Back Adaptor

I_{xx} = 0.66 x 10^3 mm^4
I_{yy} = 177.69 x 10^3 mm^4

A.P. = 247 mm
P.P. = - mm



RWM053

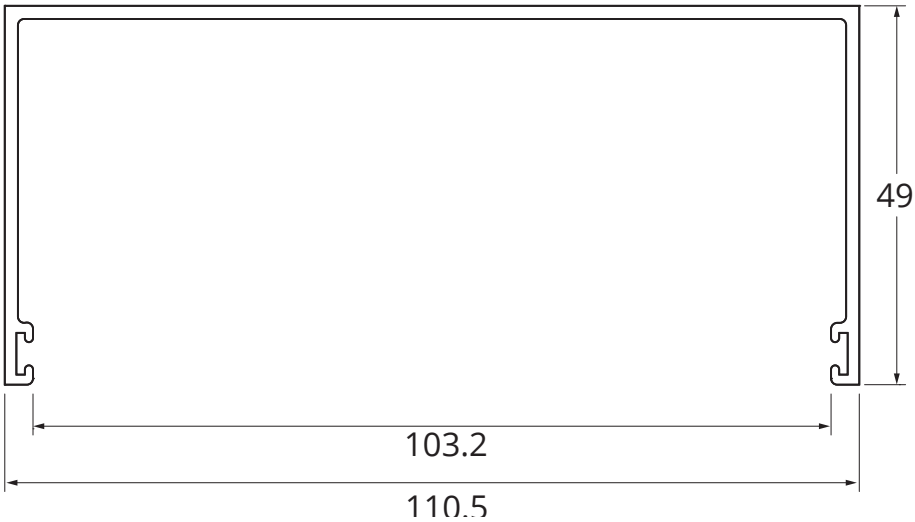
Concealed Face Fix Adaptor

I_{xx} = 11.89 x 10^3 mm^4
I_{yy} = 348.53 x 10^3 mm^4

A.P. = 369 mm
P.P. = - mm

Subframing Profiles

Scale 1:1

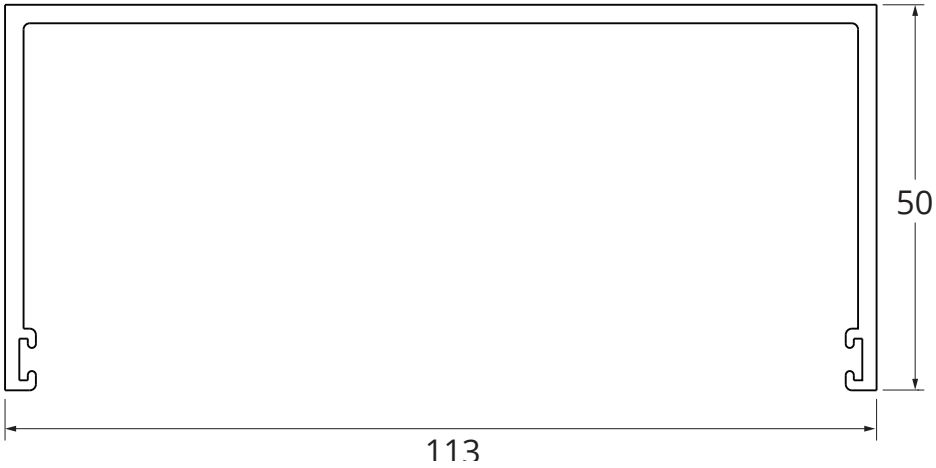


TJ309

100mm Sub-Head
49mm Tall

I_{xx} = 101.152 x 10^3 mm^4
I_{yy} = 754.640 x 10^3 mm^4

A.P. = 441 mm
P.P. = 106 mm



TJ392

100mm Sub Head
50mm Tall

I_{xx} = 127.86 x 10^3 mm^4
I_{yy} = 1005.45 x 10^3 mm^4

A.P. = 442 mm
P.P. = 108 mm

TJ431

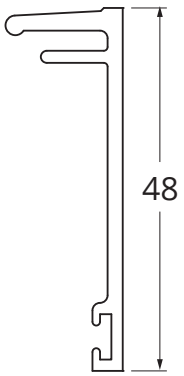
100mm Two Part Sub
Head 50mm Tall

I_{xx} = 69.16 x 10^3 mm^4
I_{yy} = 592.76 x 10^3 mm^4

A.P. = 371 mm
P.P. = - mm

Subframing Profiles

Scale 1:1



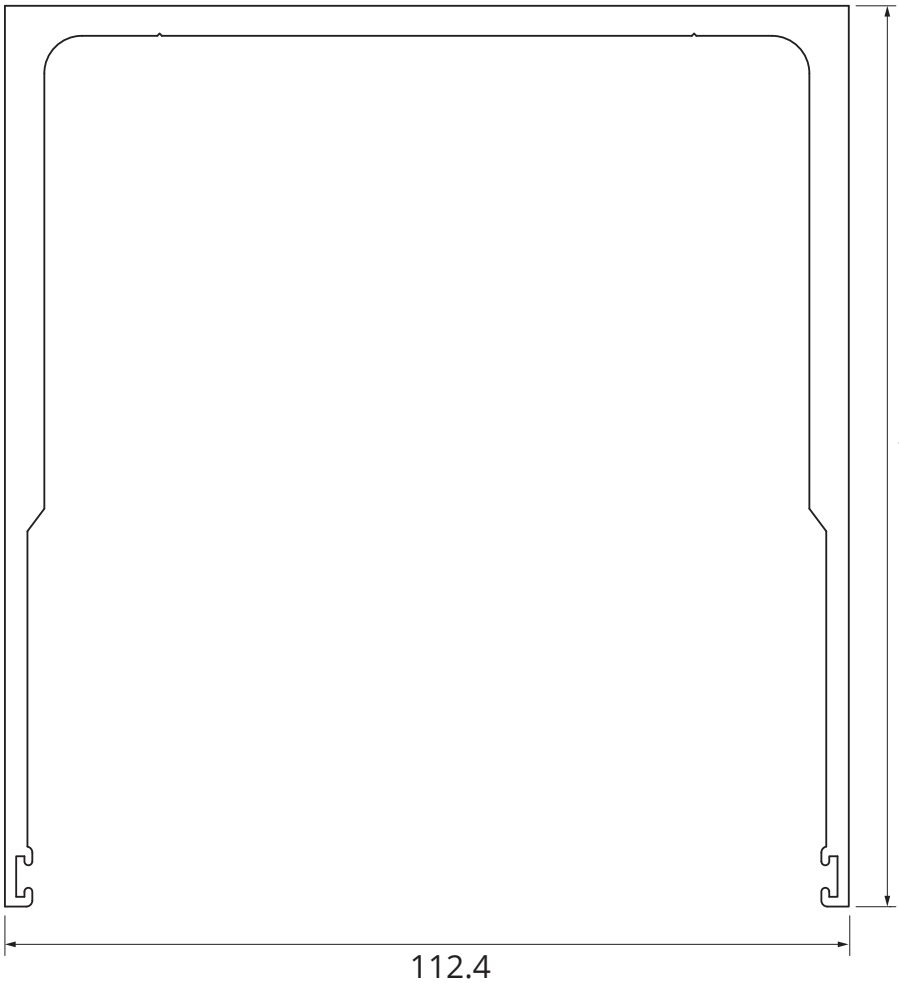
TJ6159

Sub Head/Jamb Cover
50mm Tall

(Covers can suit 100, 150, 165 framing, Thermal & non-thermal)

I_{xx} = 35.87 x 10^3 mm^4
I_{yy} = 2.07 x 10^3 mm^4

A.P. = 155 mm
P.P. = 100 mm



TJ520

100mm Sub Head
120mm Deep

I_{xx} = 1823.1 x 10^3 mm^4
I_{yy} = 3343.96 x 10^3 mm^4

A.P. = 708 mm
P.P. = 246 mm

Subframing Profiles

Scale 1:1

TJ692

100mm Sub Head
80mm Deep

I_{xx} = 571.9 x 10^3 mm^4
I_{yy} = 1945.7 x 10^3 mm^4

A.P. = 557 mm
P.P. = 168 mm

TJ368

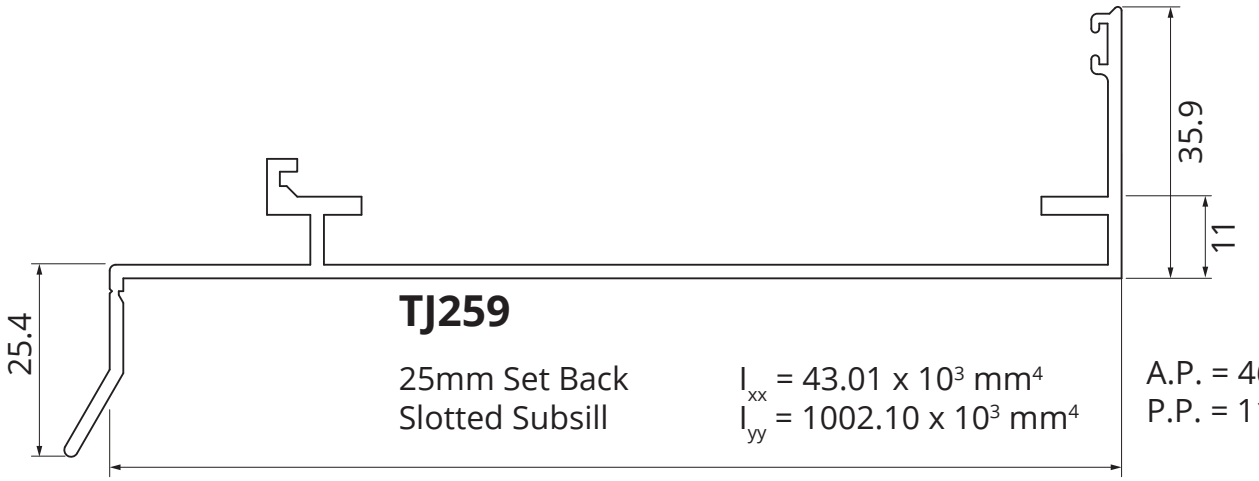
STD Subsill 6mm
Setback Slotted

I_{xx} = 40.20 x 10^3 mm^4
I_{yy} = 790.13 x 10^3 mm^4

A.P. = 422 mm
P.P. = 100 mm

Subframing Profiles

Scale 1:1

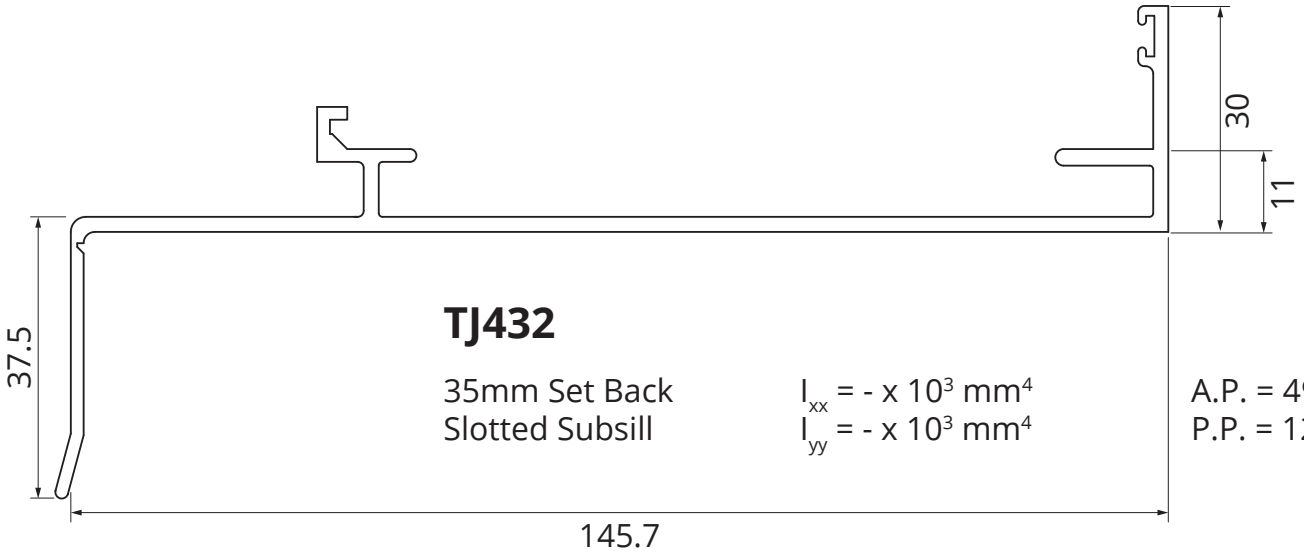


TJ259

25mm Set Back
Slotted Subsill

I_{xx} = 43.01 x 10^3 mm^4
I_{yy} = 1002.10 x 10^3 mm^4

A.P. = 465 mm
P.P. = 115 mm



TJ432

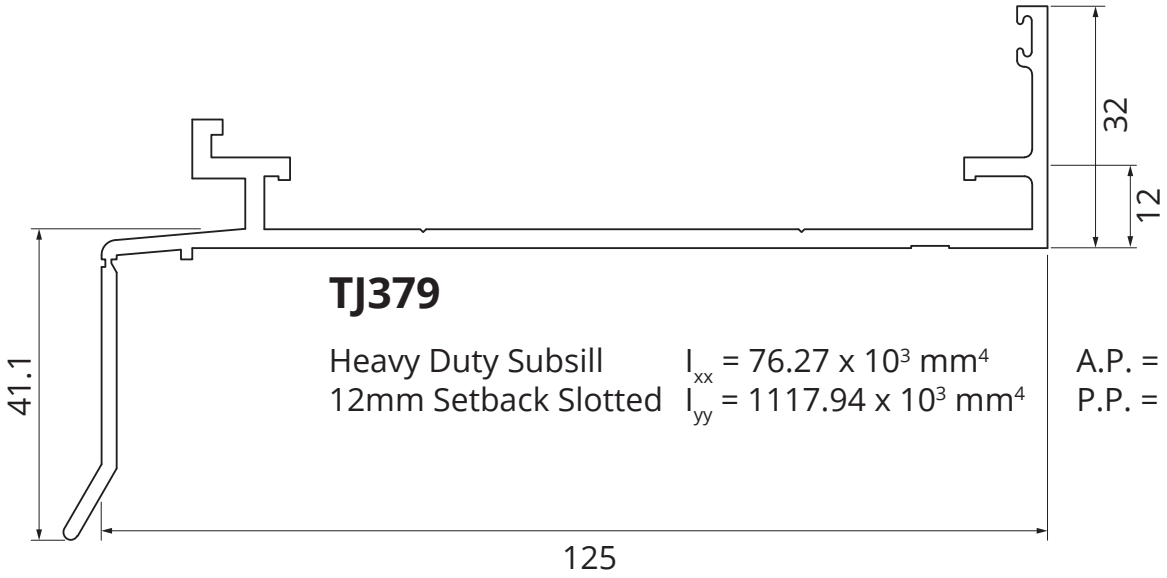
35mm Set Back
Slotted Subsill

I_{xx} = - x 10^3 mm^4
I_{yy} = - x 10^3 mm^4

A.P. = 498 mm
P.P. = 128 mm

Subframing Profiles

Scale 1:1

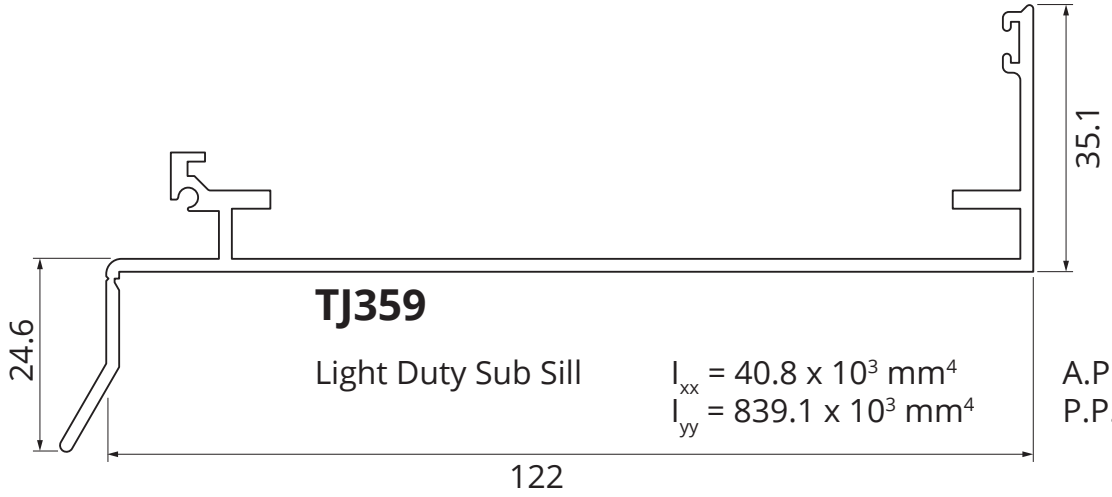


TJ379

Heavy Duty Subsill
12mm Setback Slotted

I_{xx} = 76.27 x 10^3 mm^4
I_{yy} = 1117.94 x 10^3 mm^4

A.P. = 476 mm
P.P. = 118 mm

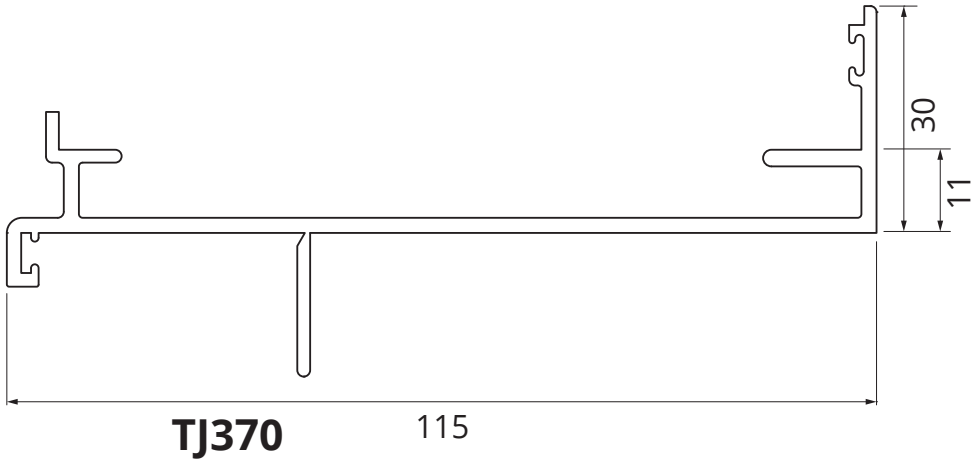


TJ359

Light Duty Sub Sill

I_{xx} = 40.8 x 10^3 mm^4
I_{yy} = 839.1 x 10^3 mm^4

A.P. = 447 mm
P.P. = 106 mm



TJ370

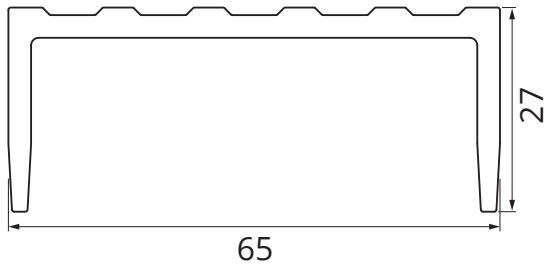
Sub Sill with Reveal

I_{xx} = 25.41 x 10^3 mm^4
I_{yy} = 671.71 x 10^3 mm^4

A.P. = 425 mm
P.P. = 100 mm

Subframing Profiles

Scale 1:1

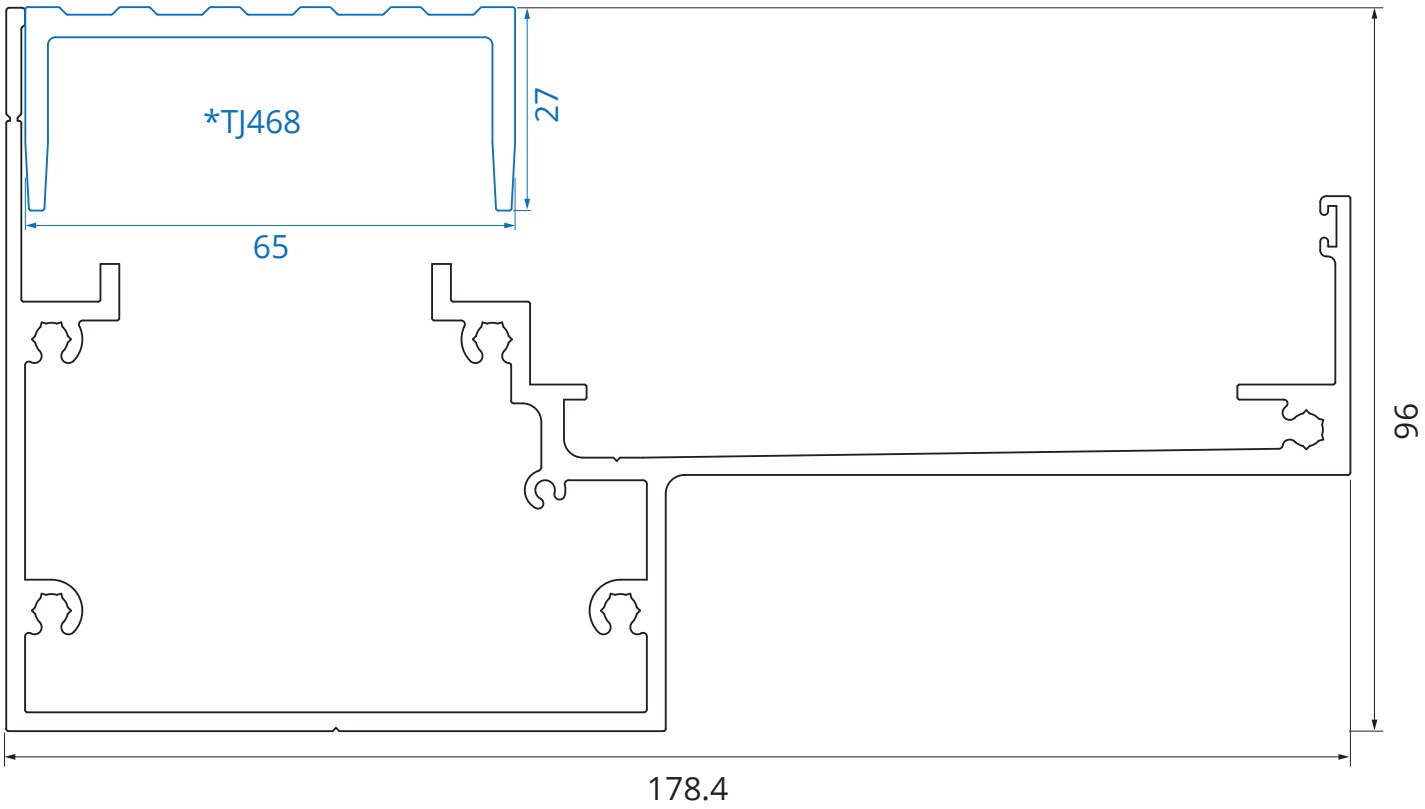


TJ468

Drainage Grate (Fits TJ400 & TJ600)

I_{xx} = 21.32 x 10^3 mm^4
I_{yy} = 214.23 x 10^3 mm^4

A.P. = 232 mm
P.P. = 150 mm



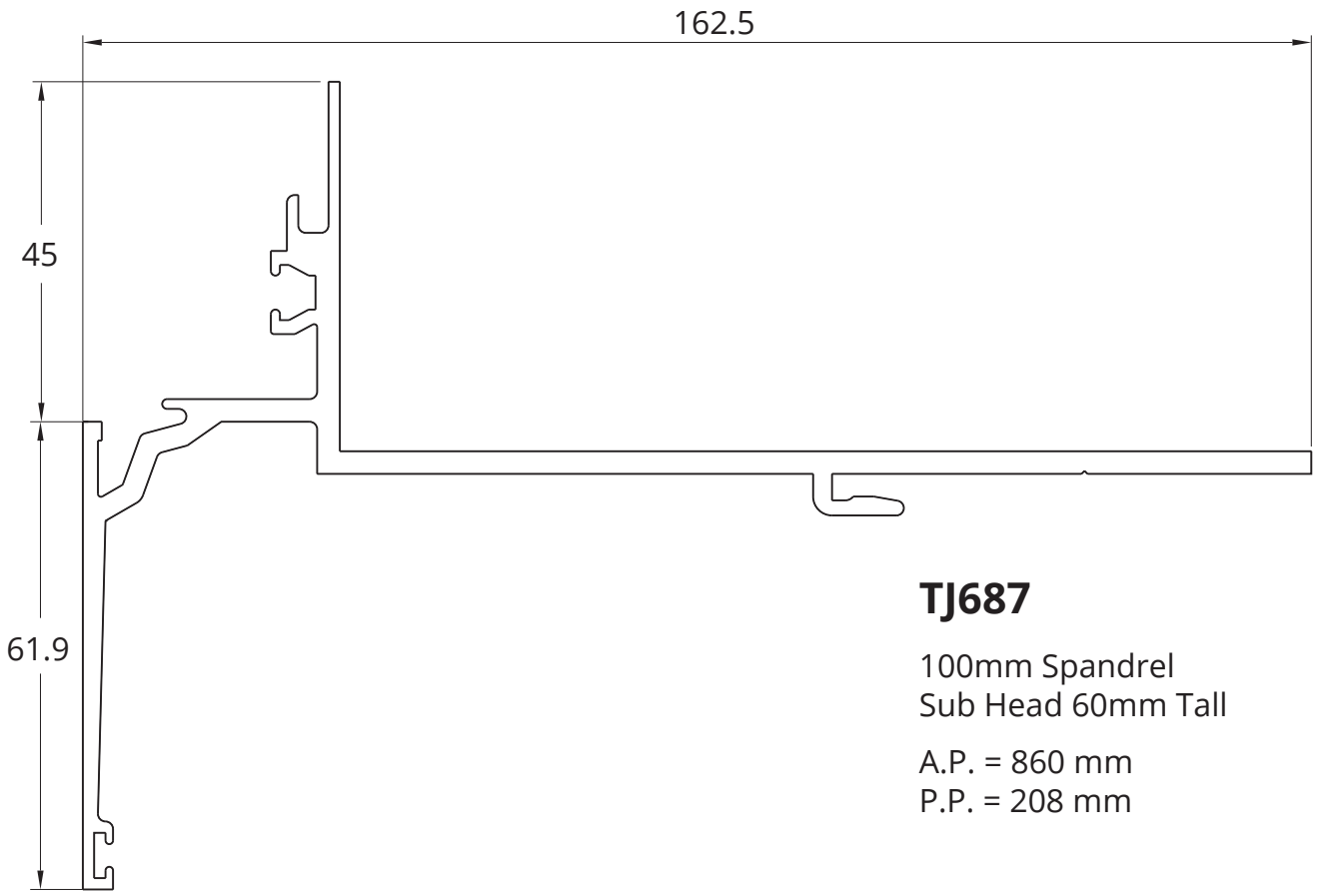
TJ400

100mm Sump Sill

A.P. = 935 mm
P.P. = 357 mm

Spandrel Subframing Profiles

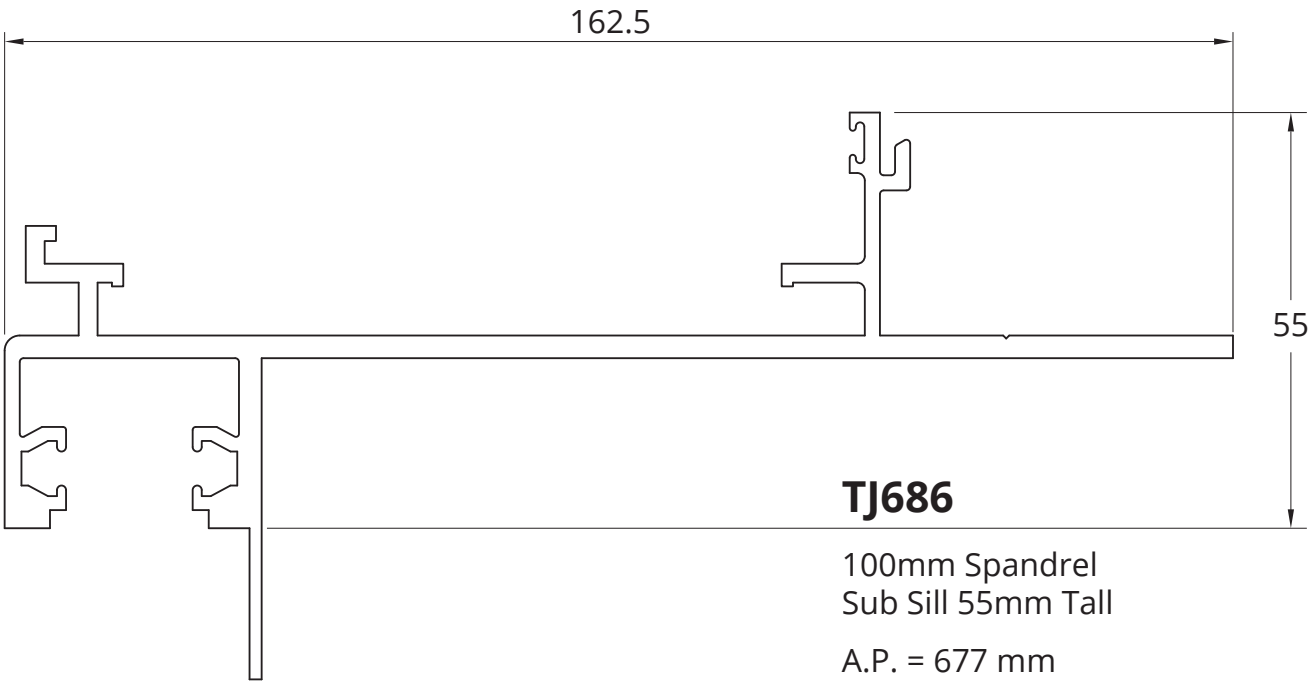
Scale 1:1



TJ687

100mm Spandrel
Sub Head 60mm Tall

A.P. = 860 mm
P.P. = 208 mm



TJ686

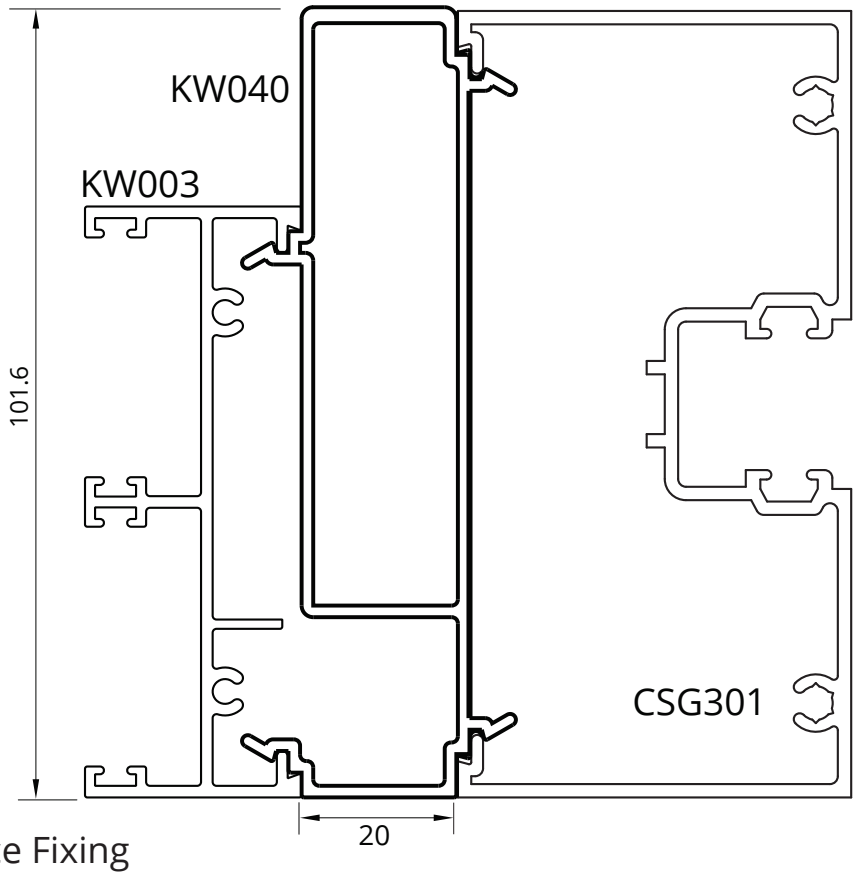
100mm Spandrel
Sub Sill 55mm Tall

A.P. = 677 mm
P.P. = 213 mm

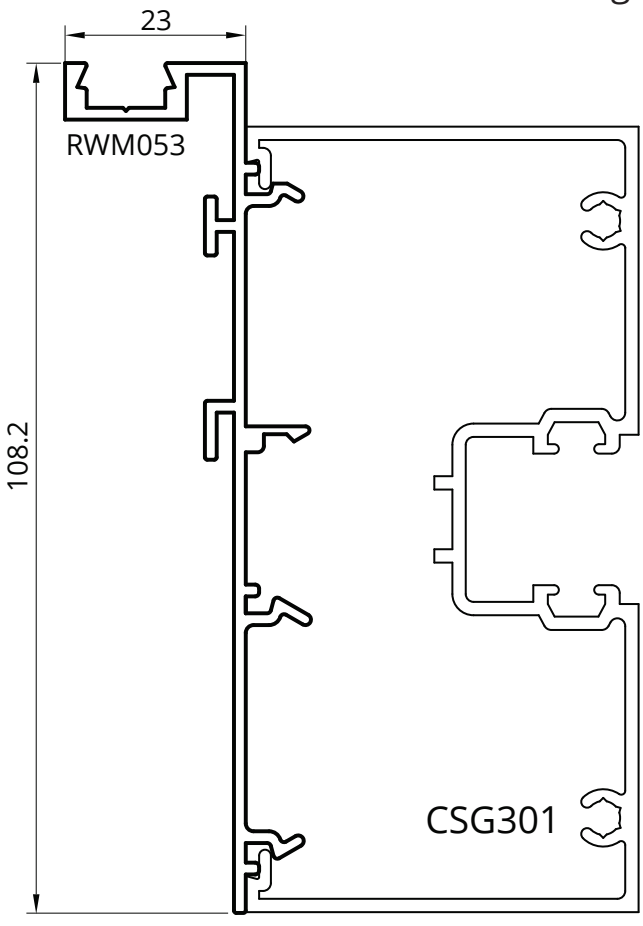
CityView 100mm Adaptors

All raw joints need to be sealed with small joint sealer or foam tab option.

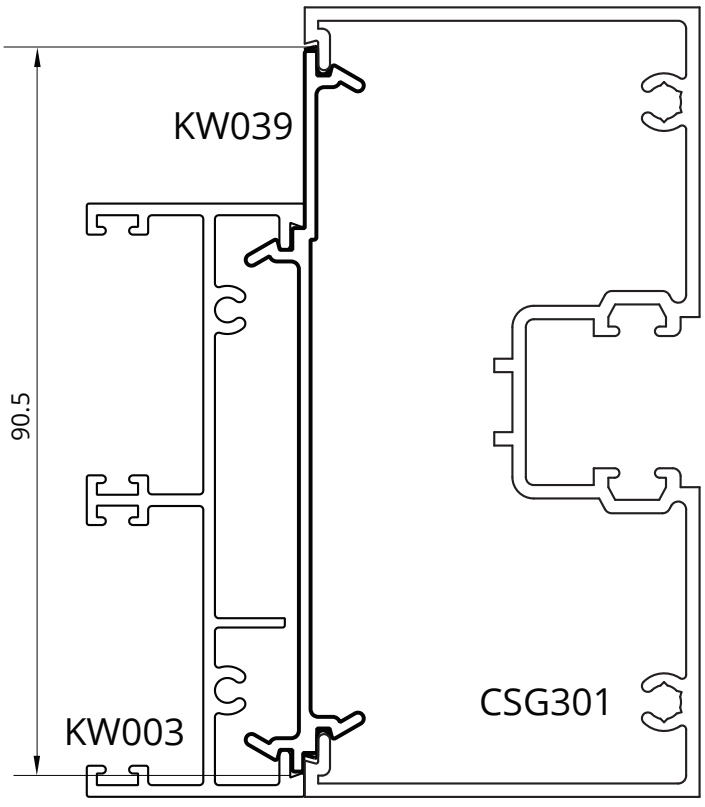
KW040 76mm to 100mm Box Joiner



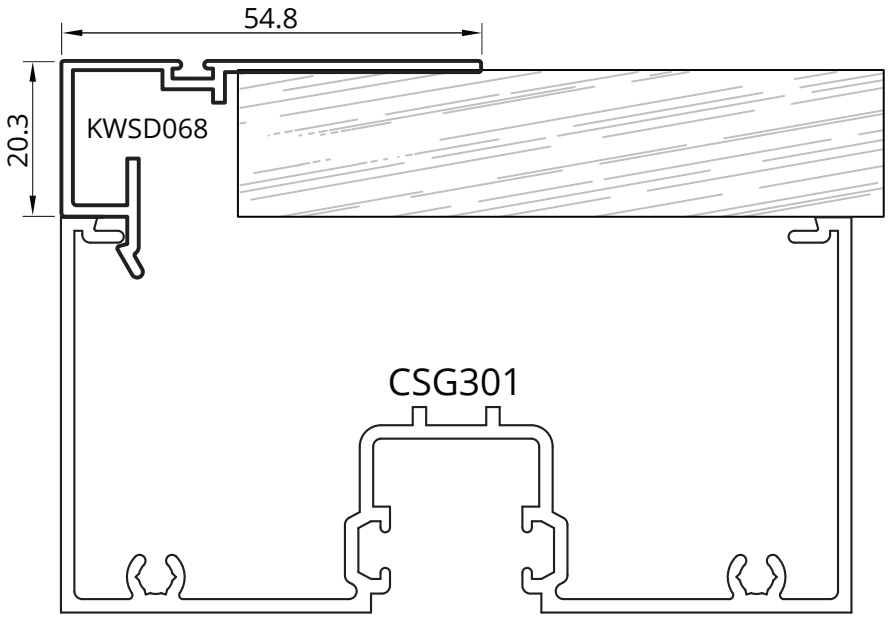
RWM053 Concealed Face Fixing



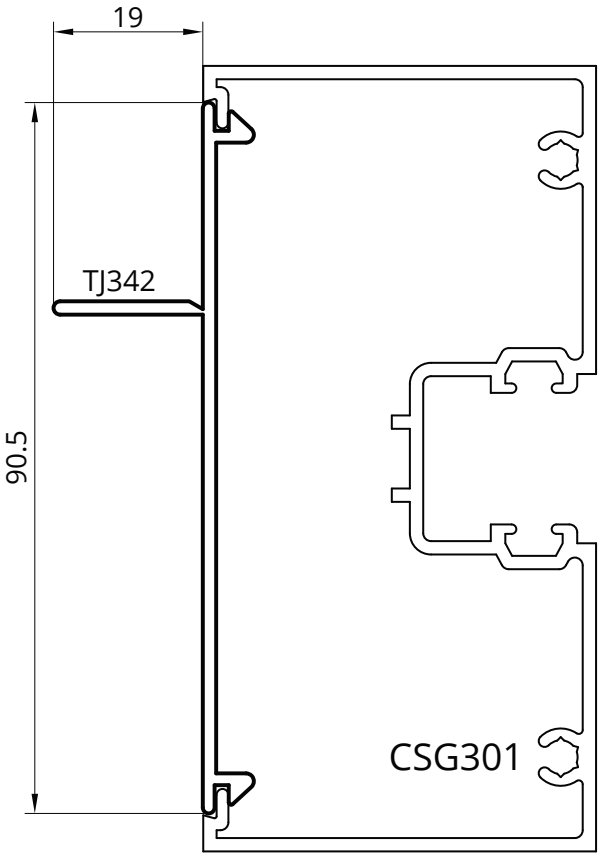
KW039 76mm to 100mm Flat Joiner



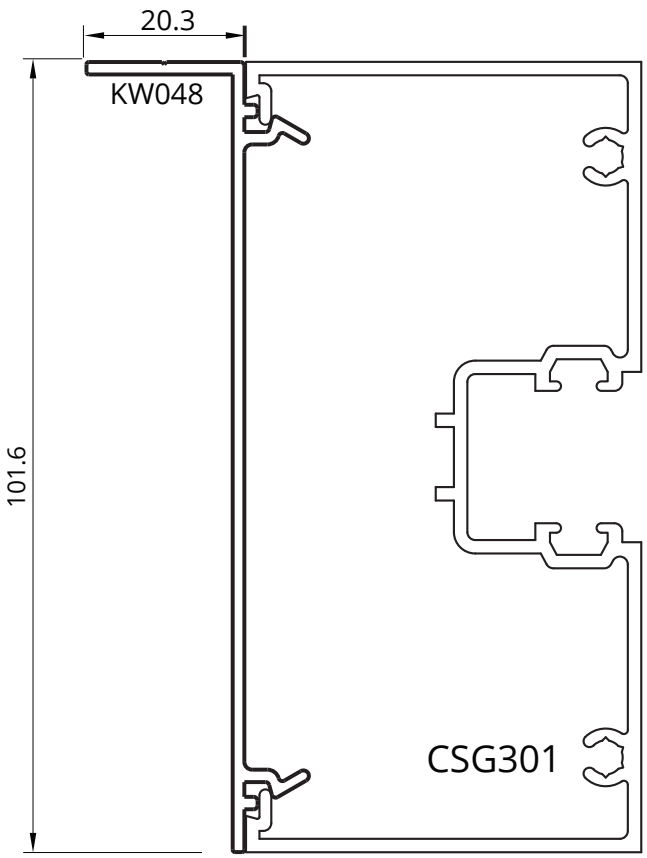
KWSD068 Inline Reveal Option



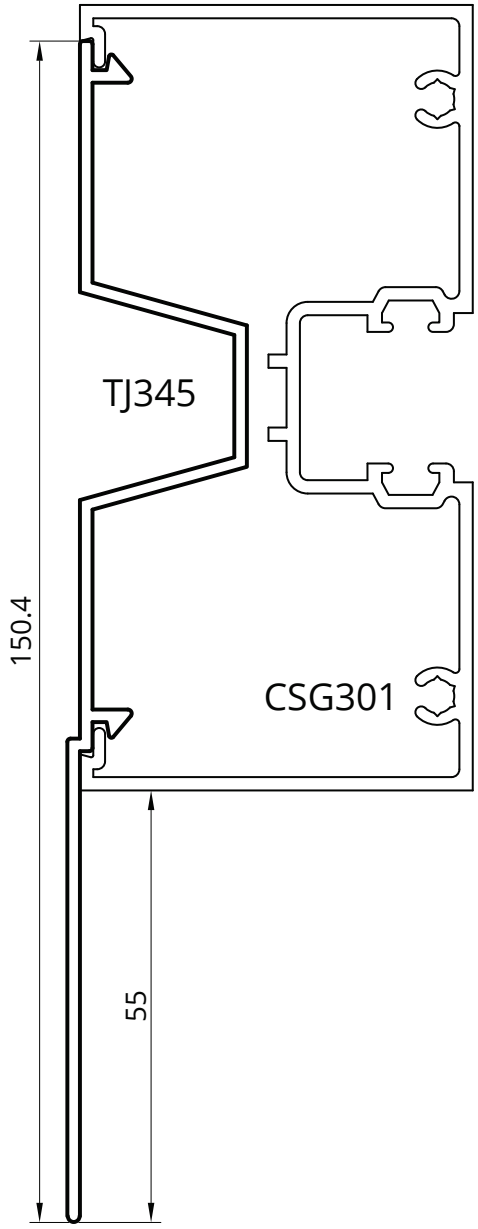
TJ342 100mm Reveal Adpator



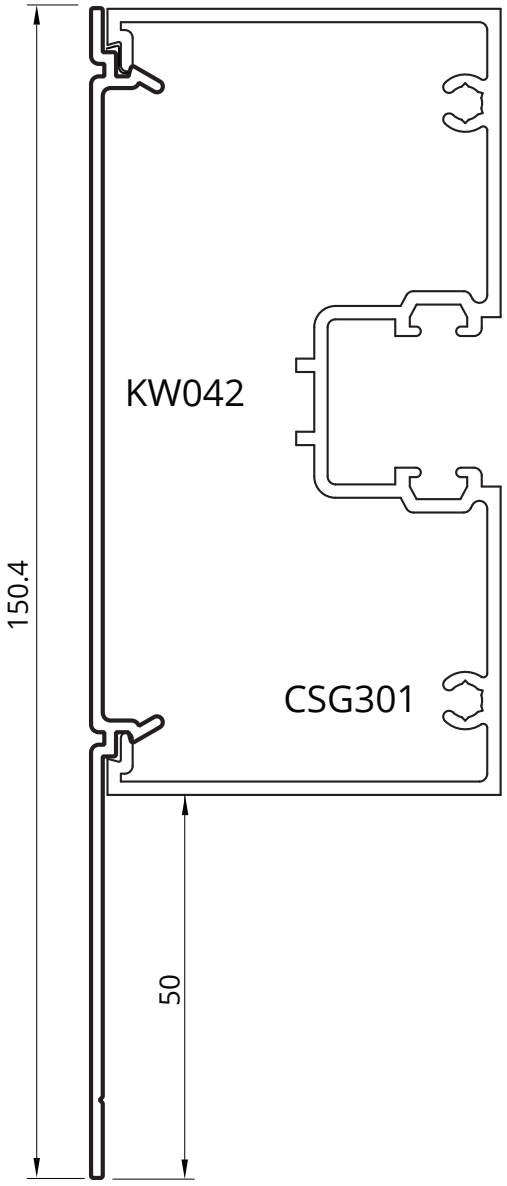
RWM048 Face Fix Adaptor



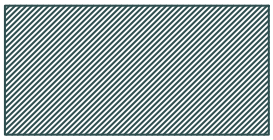
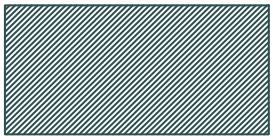
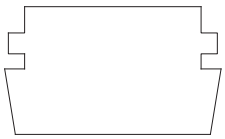
TJ345 100mm Fixing Plate



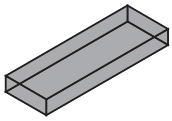
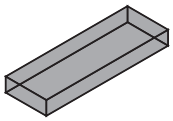
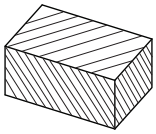
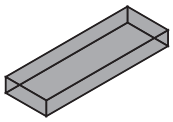
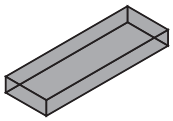
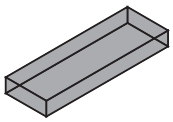
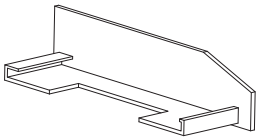
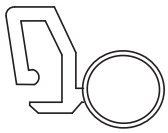
KW042 100mm Fixing Plate



Small Parts

	Code	Description	U.O.M	BOX QTY.
	1474	Foam Seal - 1050 Pieces Roll Suits: 100mm Front Glazed Single	Roll	1
	1475	Foam Seal - 1120 Pieces Roll Suits: 150mm Front Glazed Single	Roll	1
	1495	Foam Plug To Suit Double Glazed Framing (9 Per Sheet) Suits: Double Glazed Framing To (9 Per Sheet)	Roll	1
	1610-M100	6mm Door Stop - 100m Suits: TJ306	Roll	1
	1614	Door Stop Rubber - Large 200m Suits: TJ306	Roll	1
	1611	Weatherstrip 90-900 Black - 150m Roll	Roll	1
	1615	Glazing Wedge PVC - 200m Roll	Roll	1
	1620	Glazing Wedge PVC - 200m Roll	Roll	1
	1625	Glazing Wedge PVC for 8.38mm Glass - 250m Roll	Roll	1
	1630	Glazing Wedge PVC - 200m Roll	Roll	1
	1623	Glazing Wedge - 100m Roll	Roll	1

	Code	Description	U.O.M	BOX QTY.
	1645	Glazing Wedge Captive Co-Extruded Santoprene - 100m Roll Suits: Front Glazed 6mm Glass	Roll	1
	1646	Glazing Wedge Captive Co-Extruded Santoprene - 100m Roll Suits: Front Glazed	Roll	1
	1647	Glazing Wedge Captive Co-Extruded Santoprene - 100m Roll Suits: 10.38/12.38mm Front Glazed	Roll	1
	1660	V Seal (Mullion Rubber) - 500m Roll	Roll	1
	1900-M	Frame Packers - 1.5mm X 90mm - Blue 100/Bag	Bag	N/A
	1901-M	Frame Packers - 3mm X 90mm - Green 100/Bag	Bag	N/A
	1902-M	Frame Packers - 5mm X 90mm - Ochre 100/Bag	Bag	N/A
	1903-M	Frame Packers - 10mm X 90mm - Black 100/Bag	Bag	N/A
	1906	Aluminium Frame Packers 1mm - 100/Bag	Bag	N/A
	1907	Aluminium Frame Packers 2mm - 100/Bag	Bag	N/A
	1908	Aluminium Frame Packers 5mm - 100/Bag	Bag	N/A

	Code	Description	U.O.M	BOX QTY.
	1909	Aluminium Frame Packers 10mm - 100/Bag	Bag	N/A
	1910	Setting Blocks 3mm Thick - Bag of 1,000	Bag	N/A
	1911	Setting Blocks 5mm Thick - Bag of 1,000	Bag	N/A
	1912	Setting Blocks 10mm Thick - Bag of 500	Bag	N/A
	1977	Setting Blocks 5mm X 25mm - 3m Self Adhesive - Bag of 200	Bag	N/A
	1978	Setting Blocks 10mm X 25mm - 3m Self Adhesive - Bag of 200	Bag	N/A
	1979	Setting Blocks 3mm X 10mm X 25mm - 3m Double Sided Tape - Bag of 200	Bag	N/A
	1930	End Cap To Suit 100mm Subsills - Bag of 50 Pairs (Left & Right)	Bag	N/A
	1608	Co-Expansion Seal - 2.7m	Roll	N/A
	1960	Lanotec General Purpose Liquid Lanolin 400g	Tube	12
	1961	Lanotec "Citra Force" Cleaner Degreaser 400g	Tube	12

	Code	Description	U.O.M	BOX QTY.
	BDX-CV-CS-G/H/AW	CityView CDG & CSG Frame / Hinged / Hook Awning Hydraulic Tool		

Test Results

PERFORMANCE						
System	Test Size	Panel Size	Ser	Water	Ult	Report
100mm (CDG)	2410 x 2400	2410 x 1200	1930	600	3500	AZT0031.11
100mm (CDG) - Heavy Duty Mullions	3017 x 4246	3000 x 1508	1000	600	2500	AZT0315.25

TESTED BY NEUTRAL THIRD PARTIES

NATA warringtonfire

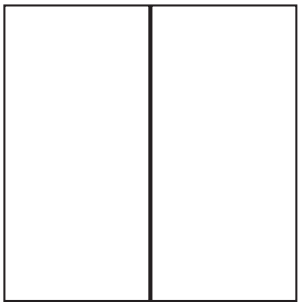
See Performance Section for more detail.
Taller maximums may be achievable via strength charts
Size limitations are governed by design intent, glass selection and local wind load and deflection requirements.

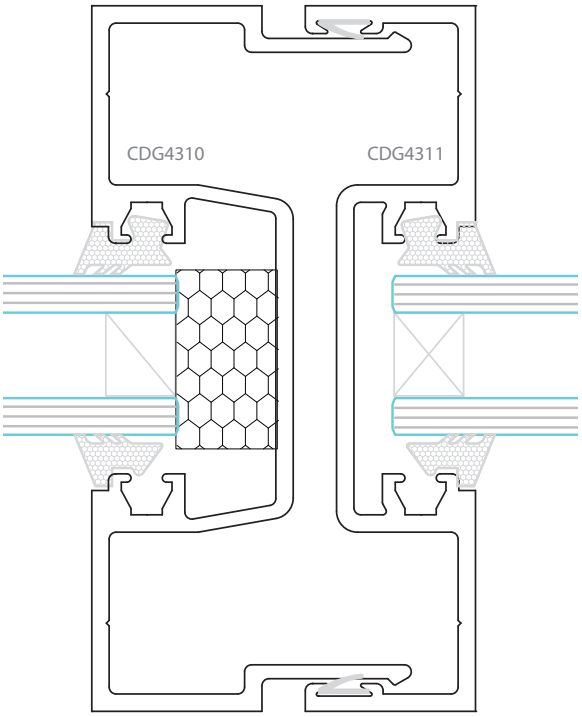
For further technical assistance and fabricator selection contact Darley Aluminium.
An Engineer should be consulted to ensure selected framing meets the requirements as set out in the relevant Australian Standards

Performance

Structural Test Report: 101.6mm Centre Double Glaze

The following data was obtained from the results of the tests on the 101.6mm Centre (DG) as performed in the Azuma Testing Laboratory (NATA Accredited).

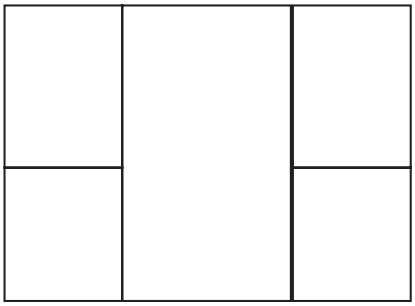


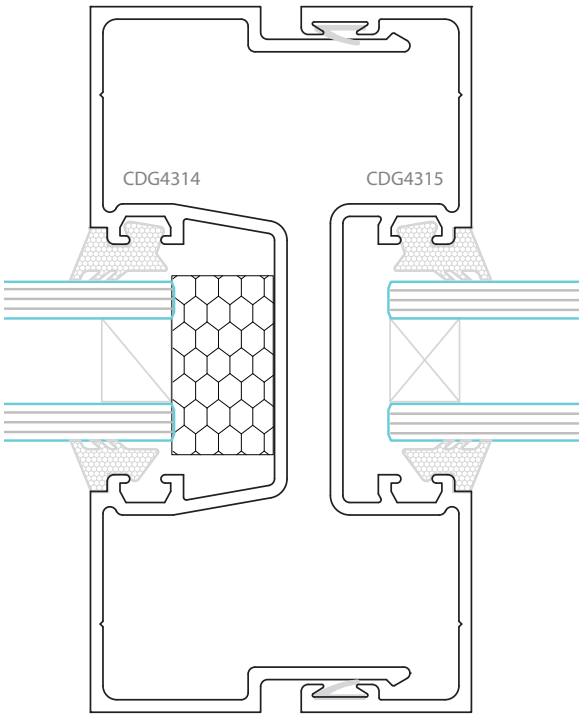


Test & Date	AZT0031.11, 21/03/2011
Test Size	2410mm H x 2400mm W
Panel Size	2410mm H x 1200mm W
Serviceability Load	+/- 1930 Pa
Air Infiltration	LOW
Water Penetration	600 Pa
Ultimate Strength	+/- 3500 Pa

Structural Test Report: 101.6 x 50mm Center DG Framing - Heavy Duty Mullions

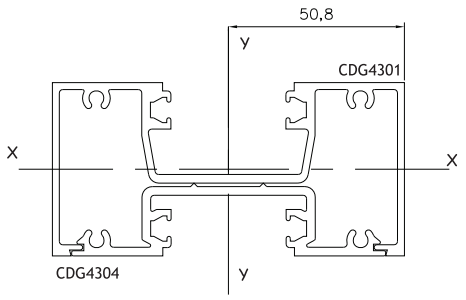
The following data was obtained from the results of the tests on the 101.6mm Centre (DG) - Heavy Duty Mullions as performed in the Azuma Testing Laboratory (NATA Accredited).





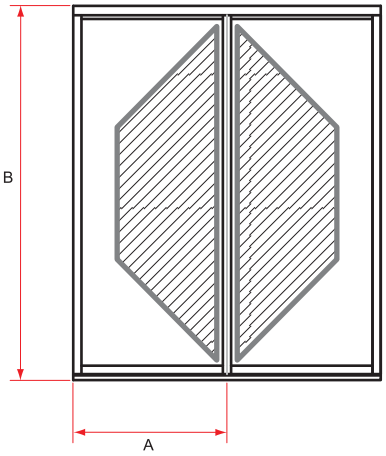
Test & Date	AZT0315.25
Test Size	3017mm H x 4246mm W
Panel Size	3000mm H x 1508mm W
Serviceability Load	+/- 1000 Pa
Air Infiltration	LOW
Water Penetration	600 Pa
Ultimate Strength	+/- 2500 Pa

Mullion Strength Chart: CDG4301 + CDG4304



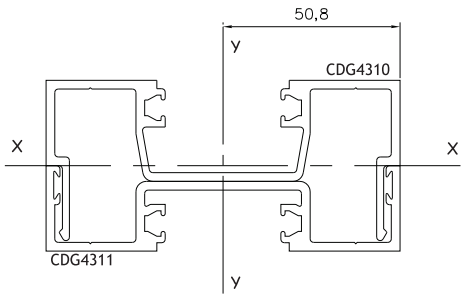
Y_{max} = 50.8mm

I_{yy} = 1162 x 10^3 mm^4



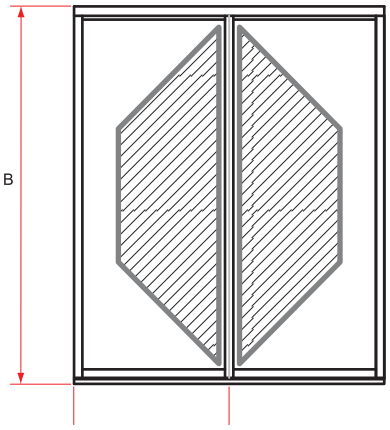
DARLEY ALUMINIUM CITYVIEW	101.6mm CENTRE DOUBLE GLAZED SUITE					Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			Ext: CDG4301 +CDG4304	
	Panel Width (mm) (A)									
Window Height (mm) (L)	800	900	1000	1100	1200	1300	1400	1500	1600	Serviceability
2000	4430	3997	3660	3392	3177	3004	2864	2753	2665	150
	4430	3997	3660	3392	3177	3004	2864	2753	2665	180
	4130	3592	3341	3142	2983	2769	2670	2592	2531	250
	6645	5996	5490	5088	4765	4506	4296	4129	3998	U
2200	3626	3263	2978	2750	2565	2414	2289	2187	2104	150
	3626	3263	2978	2750	2565	2414	2289	2187	2104	180
	3034	2629	2436	2282	2157	2055	1912	1846	1793	250
	5438	4894	4467	4125	3847	3621	3434	3281	3156	U
2400	3024	2716	2473	2277	2118	1986	1877	1786	1709	150
	3024	2716	2473	2277	2118	1986	1877	1786	1709	180
	2294	2092	1832	1710	1611	1530	1462	1363	1318	250
	4536	4074	3709	3416	3177	2980	2816	2679	2564	U
2600	2562	2297	2088	1919	1781	1666	1570	1489	1420	150
	2469	2245	2069	1826	1716	1625	1548	1484	1387	180
	1777	1617	1490	1315	1235	1170	1115	1069	998	250
	3843	3446	3132	2879	2671	2499	2354	2233	2130	U
2800	2199	1970	1788	1640	1519	1419	1334	1262	1200	150
	1951	1771	1629	1514	1345	1270	1208	1155	1110	180
	1405	1275	1173	1090	968	915	870	831	799	250
	3299	2955	2682	2461	2279	2128	2001	1893	1801	U
3000	1883	1706	1548	1419	1313	1215	1148	1084	1030	150
	1569	1422	1305	1211	1133	1013	961	917	879	180
	1130	1024	940	872	816	729	692	660	633	250
	2864	2562	2323	2129	1969	1835	1723	1627	1544	U
3200	1536	1391	1275	1181	1103	984	932	888	850	150
	1280	1159	1062	984	919	820	777	740	708	180
	922	834	765	708	662	590	559	533	510	250
	2509	2243	2032	1860	1719	1600	1500	1414	1340	U
3400	1270	1148	1051	972	907	853	765	727	695	150
	1059	957	876	810	756	711	637	606	579	180
	762	689	631	583	544	512				250
	2218	1981	1793	1640	1514	1408	1318	1241	1175	U
3600	1062	959	877	811	755	709	670	603	575	150
	885	799	731	675	629	591	558	502		180
	637	576	526							250
	1974	1762	1594	1457	1344	1249	1168	1099	1039	U
3800	897	810	740	683	636	596	562	533		150
	748	675	616	569	530					180
	538									250
	1769	1578	1427	1304	1202	1116	1043	980		U

Mullion Strength Chart: CDG4310 + CDG4311



Y_{max} = 50.8mm

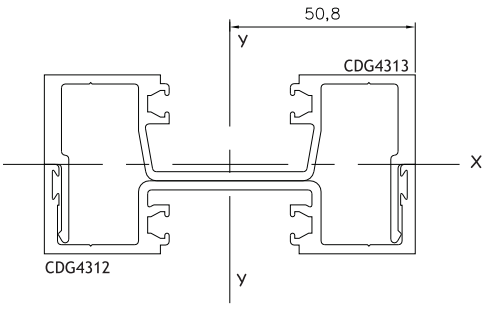
I_{yy} = 1393 x 10^3 mm^4



DARLEY ALUMINIUM CITYVIEW	101.6mm CENTRE DOUBLE GLAZED SUITE			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			Ext: CDG4310 +CDG4311			
	Panel Width (mm) (A)									
Window Height (mm) (L)	800	900	1000	1100	1200	1300	1400	1500	1600	Serviceability
2000	5000	4792	4387	4066	3809	3601	3434	3300	3195	150
	5000	4792	4387	4066	3809	3601	3434	3300	3195	180
	4951	4306	4005	3766	3576	3319	3201	3107	3034	250
	7966	7188	6581	6099	5713	5401	5150	4950	4793	U
2200	4346	3911	3570	3296	3075	2894	2745	2622	2522	150
	4346	3911	3570	3296	3075	2894	2745	2622	2522	180
	3637	3152	2920	2735	2586	2464	2293	2213	2149	250
	6519	5867	5354	4944	4612	4340	4117	3933	3783	U
2400	3625	3256	2964	2730	2539	2381	2250	2141	2049	150
	3625	3256	2964	2730	2539	2381	2250	2141	2049	180
	2751	2508	2196	2050	1931	1834	1753	1634	1580	250
	5438	4884	4447	4095	3809	3572	3375	3211	3074	U
2600	3072	2754	2503	2301	2135	1997	1882	1784	1702	150
	2959	2692	2480	2189	2057	1948	1856	1779	1662	180
	2131	1938	1786	1576	1481	1402	1336	1281	1197	250
	4607	4131	3755	3451	3202	2995	2823	2677	2553	U
2800	2637	2361	2143	1967	1821	1701	1599	1513	1439	150
	2339	2123	1953	1814	1612	1523	1448	1384	1330	180
	1684	1529	1406	1306	1161	1097	1043	997	958	250
	3955	3542	3215	2950	2732	2551	2398	2269	2159	U
3000	2257	2045	1856	1701	1573	1457	1377	1300	1234	150
	1881	1705	1565	1452	1358	1214	1152	1099	1053	180
	1354	1227	1127	1045	978	874	829	791	758	250
	3433	3071	2784	2552	2360	2200	2065	1950	1851	U
3200	1842	1667	1528	1415	1322	1180	1117	1064	1018	150
	1535	1389	1273	1180	1102	983	931	887	849	180
	1105	1000	917	849	793	708	670	639	611	250
	3008	2689	2436	2230	2060	1918	1798	1695	1607	U
3400	1523	1377	1260	1166	1088	1022	917	872	833	150
	1269	1147	1050	971	906	852	764	726	694	180
	914	826	756	699	653	613	550	523	500	250
	2658	2375	2149	1966	1815	1688	1580	1488	1409	U
3600	1273	1150	1052	972	906	850	803	723	690	150
	1061	958	876	810	755	708	669	602	575	180
	764	690	631	583	543	510				250
	2366	2113	1911	1747	1611	1497	1401	1318	1246	U
3800	1076	970	887	818	762	714	674	640	578	150
	896	809	739	682	635	595	562	533		180
	645	582	532							250
	2120	1892	1711	1563	1440	1338	1250	1175	1110	U

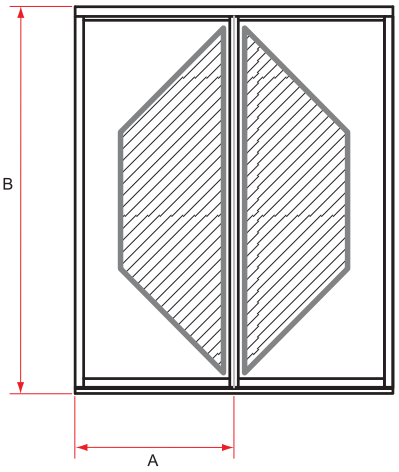
Performance

Mullion Strength Chart: CDG4312 + CDG4313



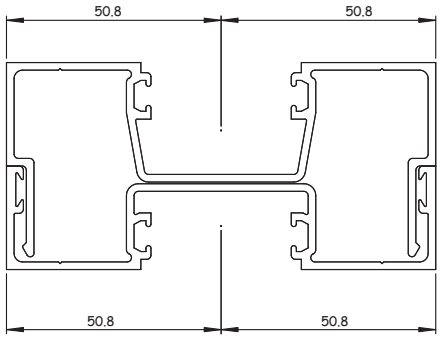
Y_{max} = 50.8mm

I_{yy} = 1639 x 10^3 mm^4



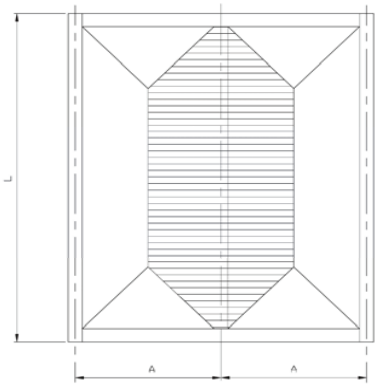
DARLEY ALUMINIUM CITYVIEW	101.6mm CENTRE DOUBLE GLAZED SUITE			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			Ext: CDG4312 +CDG4313			
	Panel Width (mm) (A)									
Window Height (mm) (L)	800	900	1000	1100	1200	1300	1400	1500	1600	Serviceability
2000	5000	5000	5000	4784	4481	4237	4040	3883	3760	150
	5000	5000	5000	4784	4481	4237	4040	3883	3760	180
	5000	5000	4712	4431	4207	3905	3766	3655	3570	250
	8000	8000	7743	7176	6722	6355	6060	5824	5639	U
2200	5000	4602	4200	3878	3618	3405	3229	3085	2967	150
	5000	4602	4200	3878	3618	3405	3229	3085	2967	180
	4279	3709	3436	3218	3042	2899	2697	2604	2529	250
	7671	6903	6300	5818	5427	5107	4844	4628	4451	U
2400	4266	3831	3488	3212	2987	2802	2648	2519	2411	150
	4266	3831	3488	3212	2987	2802	2648	2519	2411	180
	3236	2951	2583	2412	2272	2158	2062	1923	1859	250
	6398	5746	5232	4818	4481	4203	3971	3778	3617	U
2600	3614	3241	2945	2707	2512	2350	2214	2100	2003	150
	3482	3167	2918	2576	2420	2291	2184	2093	1956	180
	2507	2280	2101	1855	1743	1650	1572	1507	1408	250
	5421	4861	4418	4060	3768	3524	3321	3149	3004	U
2800	3102	2778	2522	2314	2143	2001	1881	1780	1693	150
	2752	2498	2297	2135	1897	1792	1704	1629	1565	180
	1981	1799	1654	1537	1366	1290	1227	1173	1127	250
	4653	4167	3782	3471	3215	3001	2822	2670	2540	U
3000	2655	2407	2184	2002	1851	1714	1620	1530	1452	150
	2213	2006	1841	1708	1598	1428	1355	1293	1240	180
	1593	1444	1326	1230	1151	1028	976	931	892	250
	4039	3614	3276	3002	2777	2589	2430	2294	2178	U
3200	2167	1961	1798	1665	1556	1388	1315	1252	1198	150
	1806	1635	1498	1388	1297	1157	1096	1043	999	180
	1300	1177	1079	999	934	833	789	751	719	250
	3540	3164	2866	2624	2424	2257	2115	1995	1890	U
3400	1792	1620	1483	1372	1280	1203	1078	1025	980	150
	1493	1350	1236	1143	1067	1002	899	855	817	180
	1075	972	890	823	768	722	647	615	588	250
	3128	2794	2529	2314	2135	1986	1859	1751	1657	U
3600	1498	1353	1237	1143	1065	1000	945	851	812	150
	1249	1127	1031	953	888	833	787	709	676	180
	899	812	742	686	639	600	567	510		250
	2784	2486	2249	2056	1896	1762	1648	1550	1466	U
3800	1266	1142	1043	963	896	841	793	752	680	150
	1055	952	869	802	747	701	661	627	567	180
	759	685	626	578	538	504				250
	2495	2226	2013	1839	1695	1574	1471	1383	1306	U

Mullion Strength Chart: CDG3414 + CDG4315



TOTAL

Iyy = 1081.59 x 10^3 mm^4

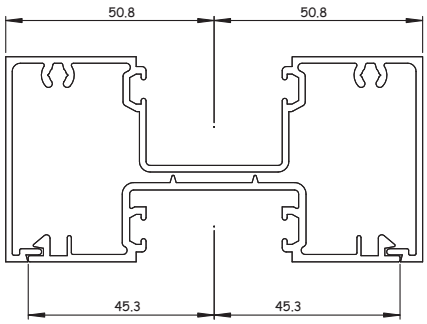


Mullion Pressure Ratings (Pa): Symmetrical Panels

Darley Aluminium			Serviceability 1/250	Ultimate U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			CDG4314 & CDG4315
	Panel Width (mm) (A)									
Window Height (mm) (L)	800	900	1000	1100	1200	1300	1400	1500	1600	Serviceability
1200	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1300	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1400	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1500	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1600	5000	5000	5000	5000	5000	4812	4679	4601	4574	250
	8000	8000	8000	7898	7506	7218	7019	6901	6861	U
1700	5000	5000	4886	4566	4319	4130	3989	3891	3833	250
	8000	7946	7328	6850	6479	6194	5983	5837	5750	U
1800	5000	4673	4297	4003	3771	3590	3449	3344	3271	250
	7738	7009	6446	6005	5657	5384	5174	5016	4906	U
1900	4307	3960	3692	3480	3213	3084	2983	2905	2819	250
	6895	6233	5718	5312	4988	4731	4526	4367	4248	U
2000	3844	3344	3110	2924	2776	2577	2485	2412	2356	250
	6185	5581	5110	4736	4436	4194	3999	3843	3721	U
2100	3282	2849	2644	2481	2350	2176	2093	2026	1972	250
	5581	5029	4596	4251	3973	3747	3562	3413	3292	U
2200	2824	2448	2268	2124	2008	1913	1780	1719	1669	250
	5062	4555	4157	3839	3581	3370	3197	3054	2937	U
2300	2448	2235	1959	1832	1729	1644	1527	1471	1425	250
	4613	4147	3780	3486	3246	3049	2886	2751	2639	U
2400	2136	1947	1705	1592	1500	1424	1361	1269	1227	250
	4222	3792	3453	3180	2957	2773	2621	2493	2387	U
2500	1875	1707	1575	1392	1309	1241	1185	1137	1064	250
	3880	3481	3167	2913	2706	2534	2391	2271	2170	U
2600	1654	1505	1386	1224	1150	1089	1038	995	929	250
	3577	3208	2915	2680	2486	2326	2192	2078	1983	U
2700	1467	1333	1227	1082	1016	960	914	875	842	250
	3310	2966	2693	2473	2293	2143	2017	1910	1819	U
2800	1308	1187	1092	1014	901	851	809	774	744	250
	3071	2750	2496	2290	2121	1981	1862	1762	1676	U
2900	1170	1061	975	905	804	758	720	688	660	250
	2857	2557	2320	2127	1969	1837	1725	1631	1550	U
3000	1051	953	875	811	759	679	644	614	589	250
	2665	2385	2162	1981	1833	1708	1603	1514	1437	U
3100	948	859	788	730	683	610	578	551	528	250
	2492	2229	2020	1850	1710	1593	1494	1410	1337	U

Performance

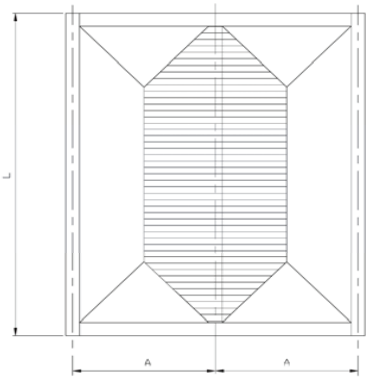
Mullion Strength Chart: CDG4390 + CDG4304



TOTAL

Iyy = 889.27 x 10^3 mm^4

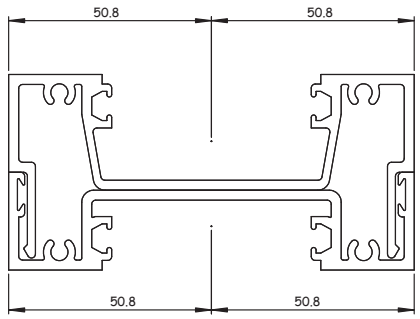
x max = 50.8 mm



Mullion Pressure Ratings (Pa): Symmetrical Panels

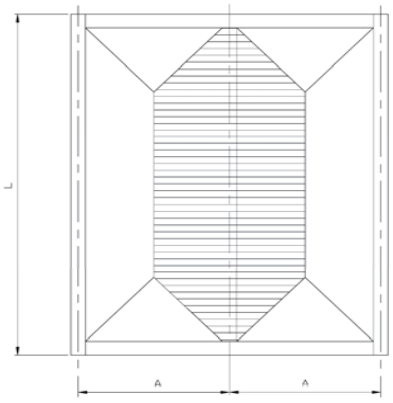
Darley Aluminium			Serviceability 1/250	Ultimate U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			CDG4390 & CDG4304
	Panel Width (mm) (A)									
Window Height (mm) (L)	800	900	1000	1100	1200	1300	1400	1500	1600	Serviceability
1000	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1100	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1200	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1300	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1400	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1500	5000	5000	5000	5000	4835	4684	4594	4564	4564	250
	8000	8000	8000	7584	7253	7026	6891	6847	6847	U
1600	5000	4983	4612	4329	4114	3957	3847	3783	3761	250
	8000	7474	6918	6493	6172	5935	5771	5674	5641	U
1700	4796	4355	4017	3754	3551	3395	3280	3199	3152	250
	7194	6533	6025	5632	5327	5093	4920	4799	4727	U
1800	4227	3842	3533	3291	3101	2951	2836	2750	2689	250
	6362	5763	5300	4937	4651	4427	4254	4124	4034	U
1900	3541	3256	3035	2861	2641	2536	2453	2389	2318	250
	5669	5125	4701	4367	4101	3889	3722	3591	3493	U
2000	3161	2749	2557	2404	2283	2119	2043	1983	1937	250
	5085	4589	4201	3894	3647	3448	3288	3160	3060	U
2100	2698	2342	2174	2040	1932	1789	1721	1666	1622	250
	4588	4134	3779	3495	3266	3081	2929	2806	2707	U
2200	2322	2012	1864	1746	1651	1573	1464	1413	1372	250
	4162	3745	3418	3156	2944	2771	2628	2511	2415	U
2300	2013	1837	1611	1506	1421	1352	1255	1209	1172	250
	3793	3410	3108	2866	2669	2507	2373	2262	2170	U
2400	1756	1601	1402	1309	1233	1171	1119	1043	1009	250
	3472	3118	2839	2614	2431	2280	2155	2050	1962	U
2500	1541	1403	1295	1144	1076	1021	974	935	875	250
	3190	2862	2604	2395	2225	2084	1966	1867	1784	U
2600	1360	1237	1140	1006	946	895	853	818	764	250
	2941	2637	2397	2203	2044	1912	1802	1709	1630	U
2700	1206	1096	1009	890	835	790	752	719	692	250
	2721	2438	2214	2034	1885	1762	1658	1570	1496	U
2800	1075	976	897	834	741	700	666	636	611	250
	2525	2261	2052	1883	1744	1628	1531	1448	1378	U
2900	962	873	802	744	661	624	592	566	543	250
	2349	2103	1907	1749	1619	1510	1419	1341	1274	U

Mullion Strength Chart: DG5011 + DG5010



TOTAL

$Iyy = 1611.52 \times 10^{3}\ mm^{4}$



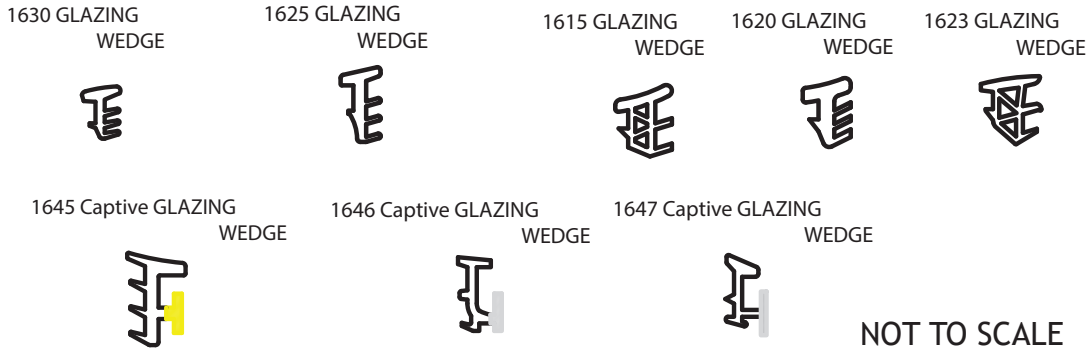
Mullion Pressure Ratings (Pa): Symmetrical Panels

Darley Aluminium			Serviceability 1/250	Ultimate U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			DG5011 & DG5010
	Panel Width (mm) (A)									
Window Height (mm) (L)	800	900	1000	1100	1200	1300	1400	1500	1600	Serviceability
1600	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1700	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1800	5000	5000	5000	5000	5000	5000	5000	4983	4874	250
	8000	8000	8000	8000	8000	8000	7709	7474	7310	U
1900	5000	5000	5000	5000	4787	4595	4445	4329	4200	250
	8000	8000	8000	7914	7432	7048	6744	6507	6329	U
2000	5000	4982	4633	4357	4137	3840	3703	3594	3510	250
	8000	8000	7613	7056	6609	6248	5958	5726	5545	U
2100	4890	4245	3940	3697	3502	3243	3119	3019	2939	250
	8000	7492	6848	6334	5919	5582	5308	5085	4906	U
2200	4208	3647	3379	3164	2991	2850	2652	2561	2486	250
	7542	6787	6194	5720	5336	5021	4763	4550	4376	U
2300	3647	3330	2919	2730	2576	2450	2275	2192	2123	250
	6874	6179	5632	5193	4836	4543	4301	4099	3933	U
2400	3182	2901	2540	2372	2234	2121	2028	1891	1828	250
	6291	5650	5144	4738	4406	4132	3905	3715	3556	U
2500	2793	2543	2346	2074	1951	1849	1765	1694	1586	250
	5781	5187	4718	4341	4032	3776	3563	3384	3233	U
2600	2465	2242	2066	1824	1713	1622	1546	1482	1385	250
	5330	4779	4344	3992	3704	3465	3265	3097	2954	U
2700	2186	1987	1829	1612	1513	1431	1362	1304	1254	250
	4931	4419	4013	3685	3416	3192	3005	2846	2711	U
2800	1948	1769	1626	1511	1343	1269	1206	1153	1108	250
	4575	4097	3719	3413	3161	2951	2775	2625	2497	U
2900	1744	1581	1453	1349	1198	1130	1073	1025	984	250
	4257	3811	3456	3170	2934	2737	2571	2430	2309	U
3000	1567	1420	1303	1209	1131	1011	959	915	877	250
	3971	3553	3221	2952	2730	2545	2389	2256	2142	U
3100	1413	1280	1174	1088	1017	908	861	821	786	250
	3714	3321	3009	2757	2548	2374	2226	2101	1992	U
3200	1279	1157	1061	982	918	819	776	739	707	250
	3480	3111	2818	2580	2384	2219	2080	1961	1859	U
3300	1161	1050	962	890	831	782	701	667	638	250
	3268	2921	2644	2420	2235	2079	1948	1835	1738	U
3400	1057	956	875	809	755	710	636	605	578	250
	3075	2747	2487	2275	2100	1953	1828	1722	1630	U
3500	965	872	798	738	688	646	611	550	525	250
	2899	2589	2343	2142	1977	1837	1719	1618	1531	U

Glass & Rubber Combinations

Glazing

101.6mm x 50mm CENTRE DG			
Glass Thickness	**Specific Profiles Required**	**Wedge Required**	**Pocket Size**
6mm	2 x CDG4308 reducer	1615 - 1615 1620 - 1645	33.2mm
8mm		1620 - 1620 1625 - 1645 1615 - 1646	
10mm		1625 - 1625 1620 - 1646 1615 - 1647	
12mm		1630 - 1647 1630 - 1630	
16mm	1 x CDG4308 reducer	1615 - 1615 1625 - 1645	
18mm		1630 - 1645 1615 - 1625 1615 - 1646	
20mm		1623 - 1645 1615 - 1623	
22mm		1615 - 1645 1620 - 1623	
24mm		1615 - 1615 1620 - 1645 1623 - 1646	
26mm		1620 - 1620 1625 - 1645	
28mm		1630 - 1625 1625 - 1646	



Energy Rating Definitions

All Darley products have been rated under the Australian Fenestration Ratings Council (AFRC) Energy Rating Scheme.

Definitions

The following are terms used in describing the energy ratings of windows as defined by the Window Energy Rating Scheme (WERS). For further information go to www.wers.net.

U-Value (U_w)

U-Value measures how well a product prevents heat from escaping. It is a measure of the rate of non solar heat loss or gain through a material or assembly. U-Value ratings generally fall between 2.0 - 10.0 W/m^2 for Australian products. The rate of heat is indicated in the terms of the U-Value of a window assembly which includes the effect of the grame, glass, seals and any spacers. The lower the U-value, the greater a window's resistance to heat flow and the better its insulating value. The U-Value for a window takes account for the various U-values for the components making up the window, so you may see these in technical literature:

UW is the value for the whole window and because of it's importance is usually abbreviated to U.
U_c is the value at the centre of glass.
U_f is the value for the frame.

Solar Heat Gain Coefficient ($SHGC_w$)

SHGC measures how well a product blocks heat caused by sunlight. The SHGC is a fraction of incident solar radiation admitted through a window, both directly transmitted, and absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits.

Visible Transmittance (T_{vw})

Visible transmittance measures how much light comes in through a product. It is an optical property that indicates the amount of visible light transmitted. T_{vw} is expressed as a number between 0 and 1. The higher the number, the more light is transmitted.

Energy Rating: CityView 101.6mm Centre Double Glazed

Window Id	Glass Supplier	Glass	Uw	SHGCw	TVw	Air Infil.
DAR-037-001	OCEANIA	6.38CPNtl/12/6Clr	2.824	0.403	0.476	0
DAR-037-002	OCEANIA	6.38CPNtl/12Ar/6Clr	2.614	0.398	0.476	0
DAR-037-003	<UNKNOWN>	6.38CPNtl/12/6ET	2.711	0.385	0.441	0
DAR-037-004	<UNKNOWN>	6.38CPNtl/12Ar/6ET	2.484	0.379	0.441	0
DAR-037-005	GENERIC	6Clr/12/6Clr	3.491	0.652	0.714	0
DAR-037-006	OCEANIA	6Clr/12/6ET	2.822	0.614	0.661	0
DAR-037-007	<UNKNOWN>	6Gy/12/6Clr	3.492	0.421	0.336	0
DAR-037-008	<UNKNOWN>	6SpGy/12/6Clr	3.492	0.203	0.069	0
DAR-037-009	OCEANIA	6SpGy/12/6ET	2.822	0.15	0.063	0
DAR-037-010	OCEANIA	6ET/12/6Clr	2.822	0.566	0.661	0
DAR-037-011	OCEANIA	6Gy/12/6ET	2.822	0.373	0.311	0
DAR-037-012	OCEANIA	6Gy/12Ar/6ET	2.605	0.369	0.311	0
DAR-037-013	OCEANIA	6EVClr/12Ar/6ET	2.515	0.493	0.521	0
DAR-037-014	OCEANIA	6EVClr/12/6ET	2.744	0.492	0.521	0
DAR-037-015	<UNKNOWN>	6EVClr/12/6Clr	2.897	0.516	0.559	0
DAR-037-016	<UNKNOWN>	6EVClr/12Ar/6Clr	2.697	0.516	0.559	0
DAR-037-017	OCEANIA	6EVGy/12Ar/6ET	2.515	0.285	0.245	0
DAR-037-018	<UNKNOWN>	6EVGn/12/6Clr	2.9	0.273	0.393	0
DAR-037-019	<UNKNOWN>	6EVBG/12/6Clr	2.9	0.355	0.464	0
DAR-037-020	<UNKNOWN>	6EVGy/12/6Clr	2.9	0.313	0.263	0
DAR-037-021	<UNKNOWN>	6TS21Gn/12/6Clr	3.26	0.187	0.146	0
DAR-037-022	<UNKNOWN>	6TS21Clr/12/6Clr	3.26	0.207	0.168	0
DAR-037-023	<UNKNOWN>	6HP564/12Ar/6Clr	2.358	0.255	0.58	0
DAR-037-024	<UNKNOWN>	6Gy/12Ar/6Gy	3.364	0.374	0.159	0
DAR-037-025	OCEANIA	6SpGy/12Ar/6Clr	3.364	0.197	0.069	0
DAR-037-031	<UNKNOWN>	6Clr/12Ar/6OptiTherm	2.391	0.536	0.708	0
DAR-037-032	<UNKNOWN>	6LoE366/12Ar/6Clr	2.363	0.253	0.565	0
DAR-037-300	OCEANIA	6Clr/12Ar/6ET	2.594	0.615	0.658	0
DAR-037-301	OCEANIA	6SolTNtl/12Ar/6Clr	2.604	0.416	0.511	0
DAR-037-302	<UNKNOWN>	6CoolRay70/12Ar/6Clr	2.351	0.307	0.619	0
DAR-037-303	OCEANIA	6Gy/12Ar/6Clr	3.352	0.417	0.335	0
DAR-037-304	OCEANIA	6ETGy/12Ar/6Clr	2.627	0.356	0.321	0
DAR-037-305	<UNKNOWN>	6Gy/12Ar/6CoolRay70	2.351	0.23	0.291	0
DAR-037-306	VIRIDIAN	LB Clr 6/12/6	2.411	0.502	0.706	0
DAR-037-307	G JAMES	6LE/12/6Clr	3.461	0.58	0.661	0
DAR-037-308	VIRIDIAN	VIRIDIAN CLIMATECH 5Clr/14/5CT	2.717	0.555	0.681	0
DAR-037-309	<UNKNOWN>	6Clr/12/6mmPH20	2.597	0.318	0.417	0
DAR-037-310	AGG	AGG CLASSIC Clr 4/12/4	3.388	0.708	0.745	0

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Energy Rating: CityView 101.6mm Centre Double Glazed

Window Id	Glass Supplier	Glass	Uw	SHGCw	TVw	Air Infil.
DAR-037-311	AGG	AGG CLASSIC Clr 5/12/5	3.367	0.658	0.716	0
DAR-037-312	AGG	AGG CLASSIC Clr 8/12/8	3.299	0.592	0.681	0
DAR-037-313	AGG	AGG CLASSIC Gy 4/12/4	3.388	0.531	0.463	0
DAR-037-314	AGG	AGG CLASSIC Gy 6/12/6	3.347	0.444	0.356	0
DAR-037-315	AGG	AGG CLASSIC Clr lam 4/12/6.38	3.348	0.692	0.737	0
DAR-037-316	AGG	AGG CLASSIC Clr lam 6/12/6.38	3.328	0.649	0.721	0
DAR-037-317	AGG	AGG PRIME Clr 4/12/4	2.647	0.509	0.625	0
DAR-037-318	AGG	AGG PRIME Clr 5/12/5	2.633	0.499	0.61	0
DAR-037-319	AGG	AGG PRIME Clr 6/12/6	2.618	0.492	0.606	0
DAR-037-320	AGG	AGG PRIME Clr 8/12/8	2.584	0.473	0.587	0
DAR-037-321	AGG	AGG PRIME Gy 6/12/6	2.618	0.367	0.303	0
DAR-037-322	AGG	AGG PRIME Clr lam 4/12/6.38	2.621	0.505	0.619	0
DAR-037-323	AGG	AGG PRIME Clr lam 6/12/6.38	2.604	0.491	0.613	0
DAR-037-324	AGG	AGG PLUS Clr 4/12/4	2.425	0.557	0.731	0
DAR-037-325	AGG	AGG PLUS Clr 5/12/5	2.413	0.527	0.714	0
DAR-037-326	AGG	AGG PLUS Clr 6/12/6	2.4	0.522	0.708	0
DAR-037-327	AGG	AGG PLUS Clr 8/12/8	2.37	0.488	0.687	0
DAR-037-328	AGG	AGG PLUS Gy 4/12/4	2.425	0.396	0.455	0
DAR-037-329	AGG	AGG PLUS Gy 6/12/6	2.4	0.327	0.355	0
DAR-037-330	AGG	AGG PLUS Clr lam 6.38/12/6	2.389	0.521	0.717	0
DAR-037-331	AGG	AGG ADVANCE Clr 6/12/4	2.382	0.321	0.654	0
DAR-037-332	AGG	AGG ADVANCE Clr 8/12/8	2.343	0.316	0.62	0
DAR-037-333	AGG	AGG ADVANCE Gy 6/12/6	2.373	0.246	0.32	0
DAR-037-334	AGG	AGG ADVANCE Clr lam 6/12/6.38	2.36	0.32	0.648	0
DAR-037-335	AGG	AGG MAX Clr 6/12/4	2.357	0.255	0.608	0
DAR-037-336	AGG	AGG MAX Clr 6/12/6	2.347	0.255	0.595	0
DAR-037-337	AGG	AGG MAX Clr 8/12/8	2.318	0.254	0.578	0
DAR-037-338	AGG	AGG MAX LI 6/12/6	2.347	0.257	0.615	0
DAR-037-339	AGG	AGG MAX Gy 6/12/6	2.347	0.204	0.298	0
DAR-037-340	AGG	AGG MAX Clr lam 6/12/6.38	2.335	0.255	0.602	0
DAR-037-341	AGG	AGG PRIME Gy 4/12/4	2.647	0.443	0.389	0
DAR-037-342	AGG	AGG ADVANCE Clr 6/12/6	2.372	0.32	0.639	0
DAR-037-343	AGG	AGG CLASSIC Clr 6/12/6	3.347	0.651	0.712	0
DAR-037-344	AGG	AGG PLUS Clr lam 6.38/12/4	2.4	0.523	0.724	0
DAR-037-345	VIRIDIAN	6P-Tech PH30#2-12Ar90%-6Clr	2.365	0.276	0.619	0
DAR-037-346	VIRIDIAN	6P-Tech PH25#2-12Ar90%-6Clr	2.371	0.241	0.54	0
DAR-037-347	VIRIDIAN	6P-Tech PH20#2-12Ar90%-6Clr	2.362	0.181	0.418	0
DAR-037-348	VIRIDIAN	6P-Tech PH08#2-12Ar90%-6Clr	2.361	0.307	0.619	0

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Energy Rating: CityView 101.6mm Centre Double Glazed

Window Id	Glass Supplier	Glass	Uw	SHGCw	TVw	Air Infil.
DAR-037-349	VIRIDIAN	6LtGrey-12Ar90%-6CimaTech#3	2.466	0.392	0.499	0
DAR-037-350	VIRIDIAN	6Grey/12Ar90/6CimaTech	2.466	0.315	0.339	0
DAR-037-351	VIRIDIAN	6Clr-12Ar90%-6ClimaTech#3	2.466	0.531	0.719	0
DAR-037-352	VIRIDIAN	6ClimaTech#2-12Ar90%-6Clr	2.466	0.523	0.719	0
DAR-037-353	VIRIDIAN	6LtGry-12Ar90%-6LB#3	2.423	0.379	0.488	0
DAR-037-354	VIRIDIAN	6Gry-12Ar90%-6LB#3	2.423	0.304	0.332	0
DAR-037-355	VIRIDIAN	5Clr/12Ar90/5ClimaTech 3	2.48	0.532	0.711	0
DAR-037-356	VIRIDIAN	5Gy/12Ar90/5ClimaTech 3	2.48	0.343	0.38	0
DAR-037-357	VIRIDIAN	5Clr-12Ar90-5LB 3	2.427	0.519	0.709	0
DAR-037-358	VIRIDIAN	5Gy/12Ar90%/5LB#3	2.427	0.333	0.379	0
DAR-037-359	VIRIDIAN	4Gry-12Ar90%-4CimaTech#3	2.487	0.385	0.448	0
DAR-037-360	VIRIDIAN	4Clr-12Ar90%-4ClimaTech#3	2.487	0.557	0.729	0
DAR-037-361	VIRIDIAN	4Gry-12Ar90%-4LB#3	2.431	0.377	0.446	0
DAR-037-362	VIRIDIAN	4ClimaTech#2/12Ar90%/4Clr	2.486	0.516	0.729	0
DAR-037-363	VIRIDIAN	4Clr-12Ar90-4LB	2.431	0.549	0.726	0
DAR-037-364	VIRIDIAN	4LB#2-12Ar90%-4ClrEtech#4	2.174	0.486	0.666	0
DAR-037-365	VIRIDIAN	4ClimaTech#2/12Ar90%/4ClrEtech#4	2.214	0.486	0.668	0
DAR-038-001	OCEANIA	6.38CPNtl/12/6Clr	2.822	0.402	0.476	0
DAR-038-002	OCEANIA	6.38CPNtl/12Ar/6Clr	2.61	0.397	0.476	0
DAR-038-003	<UNKNOWN>	6.38CPNtl/12/6ET	2.706	0.384	0.441	0
DAR-038-004	<UNKNOWN>	6.38CPNtl/12Ar/6ET	2.479	0.379	0.441	0
DAR-038-005	GENERIC	6Clr/12/6Clr	3.485	0.652	0.714	0
DAR-038-006	OCEANIA	6Clr/12/6ET	2.815	0.613	0.661	0
DAR-038-007	<UNKNOWN>	6Gy/12/6Clr	3.485	0.42	0.336	0
DAR-038-008	<UNKNOWN>	6SpGy/12/6Clr	3.485	0.201	0.069	0
DAR-038-009	OCEANIA	6SpGy/12/6ET	2.941	0.149	0.063	0
DAR-038-010	OCEANIA	6ET/12/6Clr	2.941	0.562	0.653	0
DAR-038-011	OCEANIA	6Gy/12/6ET	2.815	0.372	0.311	0
DAR-038-012	OCEANIA	6Gy/12Ar/6ET	2.6	0.368	0.311	0
DAR-038-013	OCEANIA	6EVClr/12Ar/6ET	2.51	0.492	0.521	0
DAR-038-014	OCEANIA	6EVClr/12/6ET	2.736	0.491	0.521	0
DAR-038-015	<UNKNOWN>	6EVClr/12/6Clr	2.893	0.516	0.559	0
DAR-038-016	<UNKNOWN>	6EVClr/12Ar/6Clr	2.689	0.515	0.559	0
DAR-038-017	OCEANIA	6EVGy/12Ar/6ET	2.51	0.285	0.245	0
DAR-038-018	<UNKNOWN>	6EVGn/12/6Clr	2.893	0.272	0.393	0
DAR-038-019	<UNKNOWN>	6EVBG/12/6Clr	2.893	0.354	0.464	0
DAR-038-020	<UNKNOWN>	6EVGy/12/6Clr	2.893	0.312	0.263	0
DAR-038-021	<UNKNOWN>	6TS21Gn/12/6Clr	3.252	0.186	0.146	0

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Energy Rating: CityView 101.6mm Centre Double Glazed

Window Id	Glass Supplier	Glass	Uw	SHGCw	TVw	Air Infil.
DAR-038-022	<UNKNOWN>	6TS21Clr/12/6Clr	3.252	0.207	0.168	0
DAR-038-300	VIRIDIAN	LB Clr 6/12/6	2.419	0.503	0.709	0
DAR-038-301	G JAMES	6LE/12/6Clr	3.467	0.582	0.664	0
DAR-038-302	AGG	AGG CLASSIC Clr 4/12/4	3.401	0.711	0.748	0
DAR-038-303	AGG	AGG CLASSIC Clr 5/12/5	3.379	0.66	0.719	0
DAR-038-304	AGG	AGG CLASSIC Clr 6/12/6	3.355	0.653	0.715	0
DAR-038-305	AGG	AGG CLASSIC Clr 8/12/8	3.306	0.594	0.683	0
DAR-038-306	AGG	AGG CLASSIC Gy 4/12/4	3.401	0.533	0.465	0
DAR-038-307	AGG	AGG CLASSIC Gy 6/12/6	3.355	0.445	0.358	0
DAR-038-308	AGG	AGG CLASSIC Clr lam 4/12/6.38	3.36	0.694	0.74	0
DAR-038-309	AGG	AGG PRIME Clr 4/12/4	2.66	0.511	0.627	0
DAR-038-310	AGG	AGG PRIME Gy 4/12/4	2.66	0.444	0.391	0
DAR-038-311	AGG	AGG PLUS Clr 4/12/4	2.438	0.559	0.734	0
DAR-038-312	AGG	AGG PRIME Clr 5/12/5	2.644	0.501	0.613	0
DAR-038-313	AGG	AGG PRIME Clr 6/12/6	2.628	0.493	0.608	0
DAR-038-314	AGG	AGG PRIME Clr 8/12/8	2.593	0.474	0.59	0
DAR-038-315	AGG	AGG PRIME Gy 6/12/6	2.628	0.368	0.305	0
DAR-038-316	AGG	AGG PRIME Clr lam 4/12/6.38	2.633	0.506	0.621	0
DAR-038-317	AGG	AGG PRIME Clr lam 6/12/6.38	2.614	0.493	0.616	0
DAR-038-318	AGG	AGG PLUS Clr 5/12/5	2.425	0.528	0.717	0
DAR-038-319	AGG	AGG PLUS Clr 6/12/6	2.411	0.524	0.711	0
DAR-038-320	AGG	AGG PLUS Clr 8/12/8	2.379	0.489	0.69	0
DAR-038-321	AGG	AGG PLUS Gy 4/12/4	2.438	0.397	0.457	0
DAR-038-322	AGG	AGG PLUS Gy 6/12/6	2.411	0.328	0.356	0
DAR-038-323	AGG	AGG PLUS Clr lam 6.38/12/6	2.399	0.523	0.72	0
DAR-038-324	AGG	AGG ADVANCE Clr 6/12/4	2.394	0.322	0.656	0
DAR-038-325	AGG	AGG ADVANCE Clr 6/12/6	2.383	0.321	0.642	0
DAR-038-326	AGG	AGG ADVANCE Clr 8/12/8	2.351	0.317	0.623	0
DAR-038-327	AGG	AGG ADVANCE Gy 6/12/6	2.383	0.247	0.321	0
DAR-038-328	AGG	AGG ADVANCE Clr lam 6/12/6.38	2.37	0.321	0.65	0
DAR-038-329	AGG	AGG MAX Clr 6/12/4	2.369	0.256	0.61	0
DAR-038-330	AGG	AGG MAX Clr 6/12/6	2.358	0.256	0.597	0
DAR-038-331	AGG	AGG MAX Clr 8/12/8	2.327	0.255	0.581	0
DAR-038-332	AGG	AGG MAX LI 6/12/6	2.358	0.258	0.617	0
DAR-038-333	AGG	AGG MAX Gy 6/12/6	2.358	0.205	0.299	0
DAR-038-334	AGG	AGG MAX Clr lam 6/12/6.38	2.345	0.256	0.605	0
DAR-038-335	AGG	AGG PLUS Clr lam 6.38/12/4	2.412	0.525	0.727	0
DAR-038-336	AGG	AGG CLASSIC Clr lam 6/12/6.38	3.336	0.651	0.724	0

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Window Id	Glass Supplier	Glass	Uw	SHGCw	TVw	Air Infil.
DAR-038-337	VIRIDIAN	6P-Tech PH30#2-12Ar90%-6Clr	2.374	0.277	0.622	0
DAR-038-338	VIRIDIAN	6P-Tech PH25#2-12Ar90%-6Clr	2.381	0.242	0.542	0
DAR-038-339	VIRIDIAN	6P-Tech PH20#2-12Ar90%-6Clr	2.371	0.182	0.419	0
DAR-038-340	VIRIDIAN	6P-Tech PH08#2-12Ar90%-6Clr	2.371	0.308	0.621	0
DAR-038-341	VIRIDIAN	6LtGrey-12Ar90%-6CimaTech#3	2.476	0.393	0.501	0
DAR-038-342	VIRIDIAN	6Grey/12Ar90/6CimaTech	2.476	0.316	0.34	0
DAR-038-343	VIRIDIAN	6Clr-12Ar90%-6ClimaTech#3	2.476	0.533	0.722	0
DAR-038-344	VIRIDIAN	6ClimaTech#2-12Ar90%-6Clr	2.476	0.525	0.722	0
DAR-038-345	VIRIDIAN	6LtGry-12Ar90%-6LB#3	2.433	0.381	0.49	0
DAR-038-346	VIRIDIAN	6Gry-12Ar90%-6LB#3	2.433	0.305	0.333	0
DAR-038-347	VIRIDIAN	5Clr/12Ar90/5ClimaTech 3	2.49	0.534	0.714	0
DAR-038-348	VIRIDIAN	5Gy/12Ar90/5ClimaTech 3	2.49	0.344	0.382	0
DAR-038-349	VIRIDIAN	5Clr-12Ar90-5LB 3	2.437	0.521	0.712	0
DAR-038-350	VIRIDIAN	5Gy/12Ar90%/5LB#3	2.437	0.334	0.38	0
DAR-038-351	VIRIDIAN	4Gry-12Ar90%-4CimaTech#3	2.499	0.386	0.449	0
DAR-038-352	VIRIDIAN	4Clr-12Ar90%-4ClimaTech#3	2.499	0.559	0.731	0
DAR-038-353	VIRIDIAN	4Gry-12Ar90%-4LB#3	2.443	0.378	0.448	0
DAR-038-354	VIRIDIAN	4ClimaTech#2/12Ar90%/4Clr	2.498	0.518	0.731	0
DAR-038-355	VIRIDIAN	4Clr-12Ar90-4LB	2.443	0.551	0.729	0
DAR-038-356	VIRIDIAN	4LB#2-12Ar90%-4ClrEtech#4	2.185	0.488	0.668	0
DAR-038-357	VIRIDIAN	4ClimaTech#2/12Ar90%/4ClrEtech#4	2.225	0.488	0.671	0

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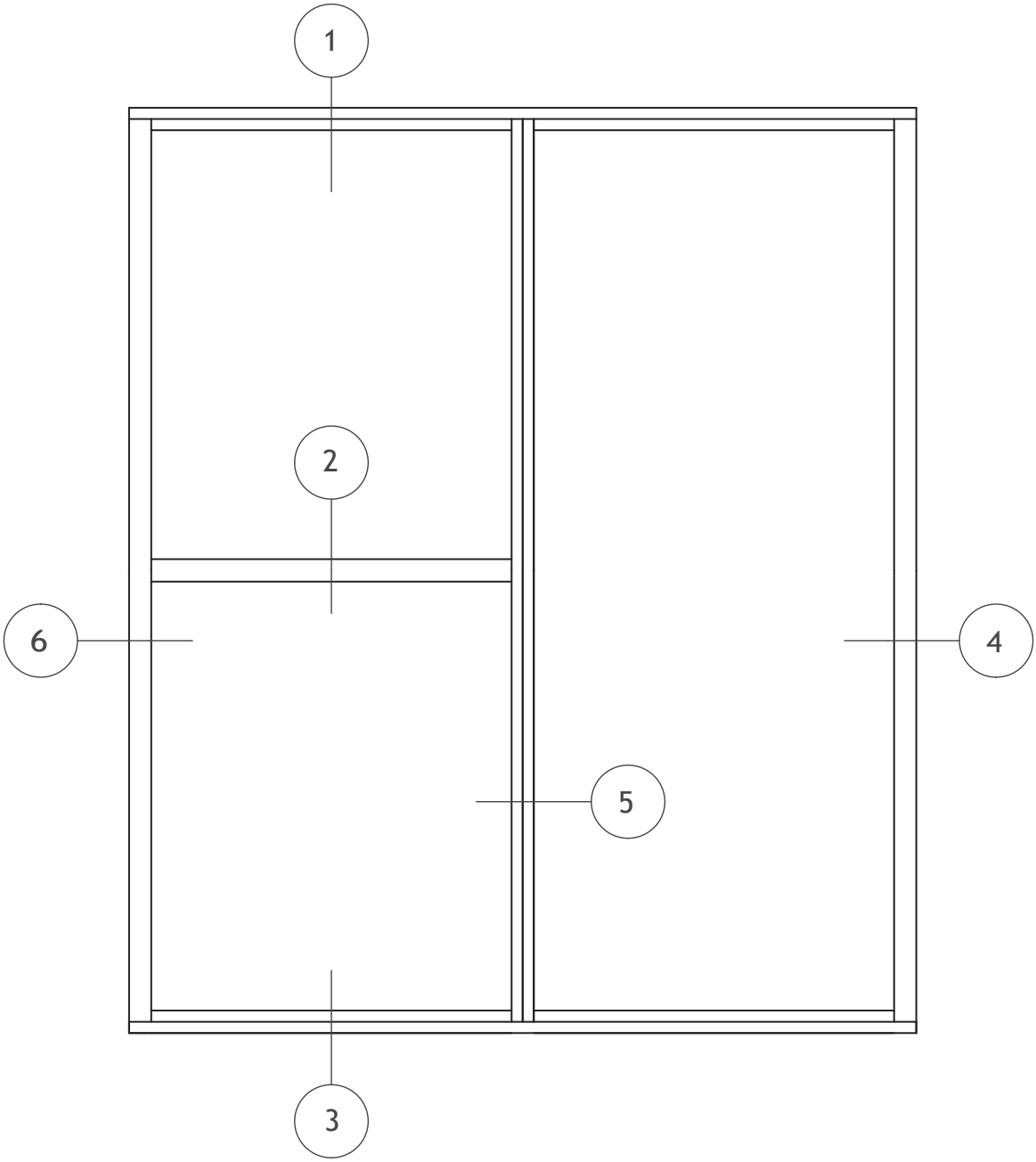
5. Static performance (U, SHFC, Tvw, Tdw) Calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
6. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (AccuRate)
7. Results disclosed at National fenestration Rating Council (AFRC) regulations

General Configuration

All raw joints need to be sealed with small joint sealer or foam tab option.

Configuration

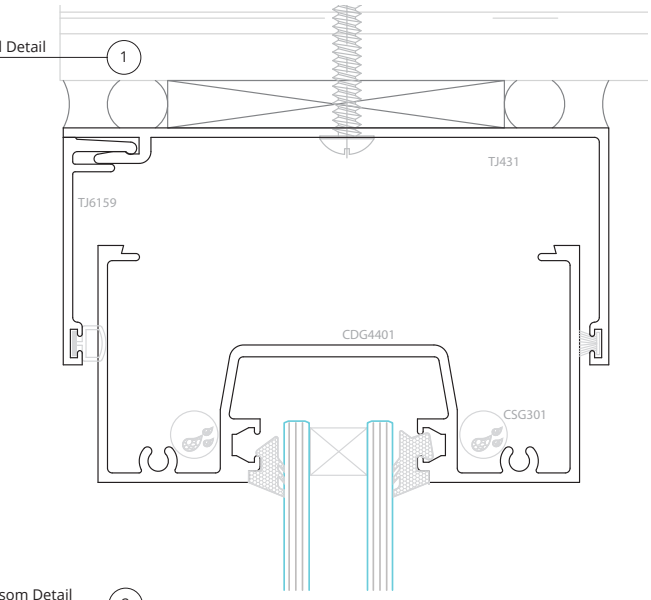


See also: Disclaimer and Copyright information on page 3

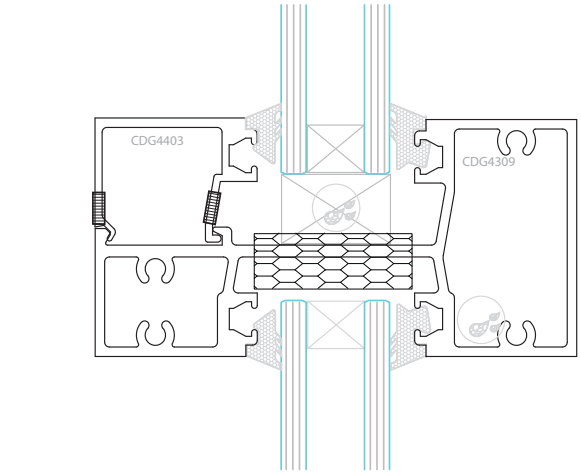
Fabrication

Cross Sections

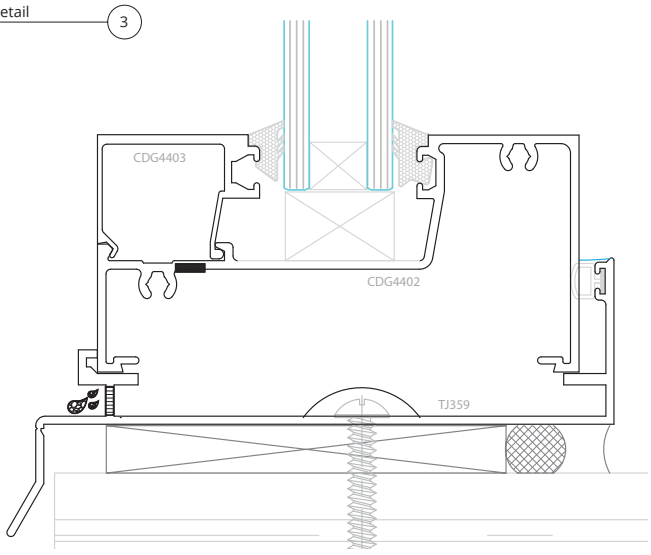
Head Detail 1



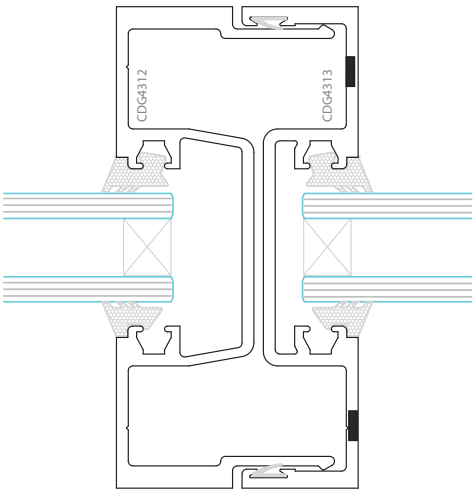
Transom Detail 2



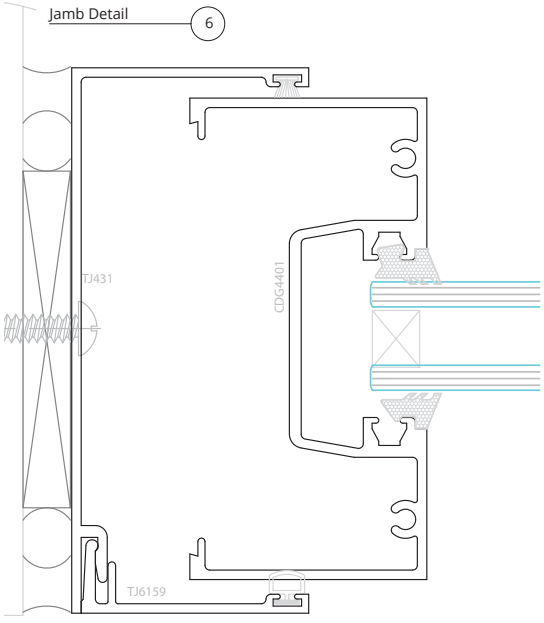
Sill Detail 3



Mullion Detail 5

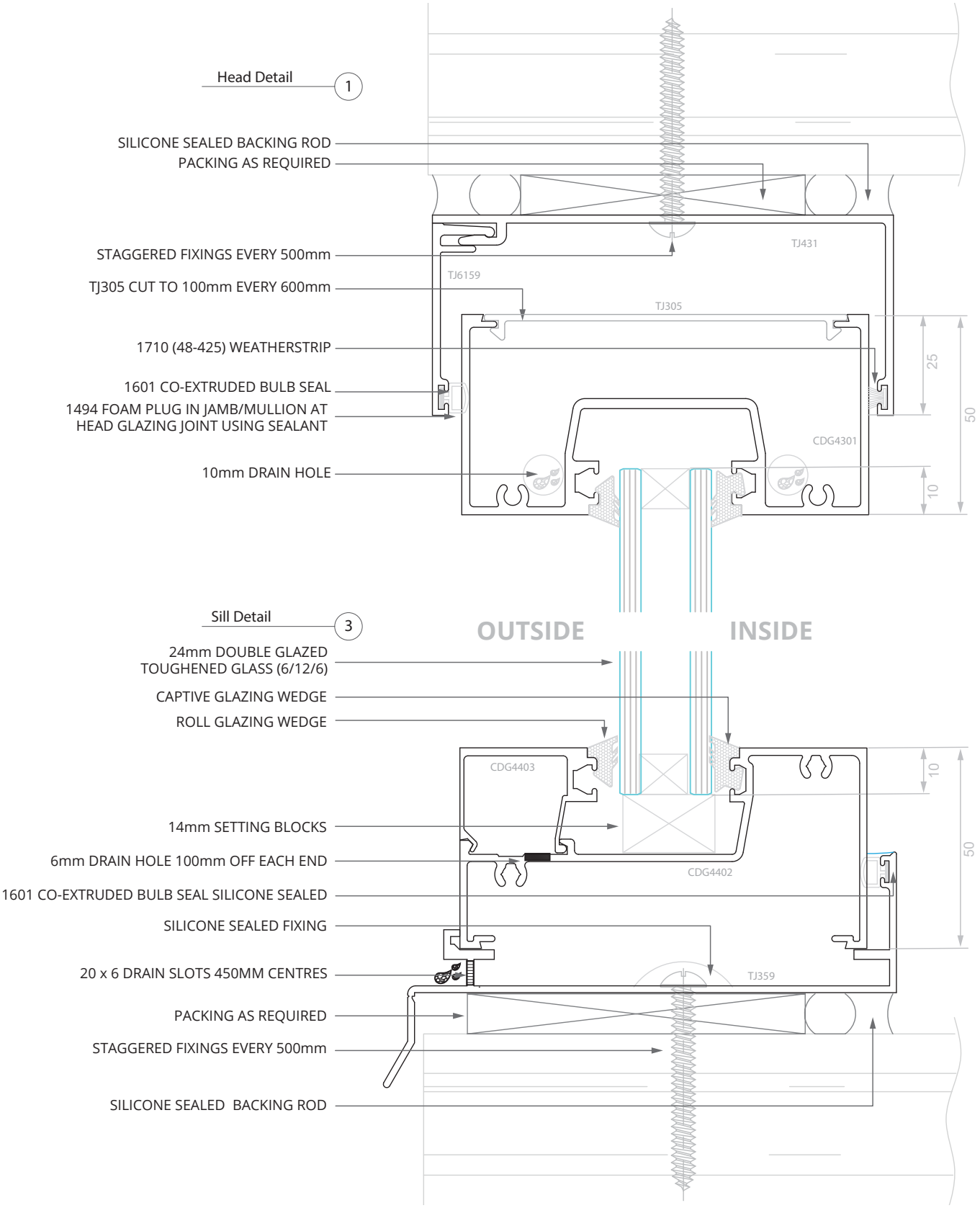


Jamb Detail 6



Head & Sill Option

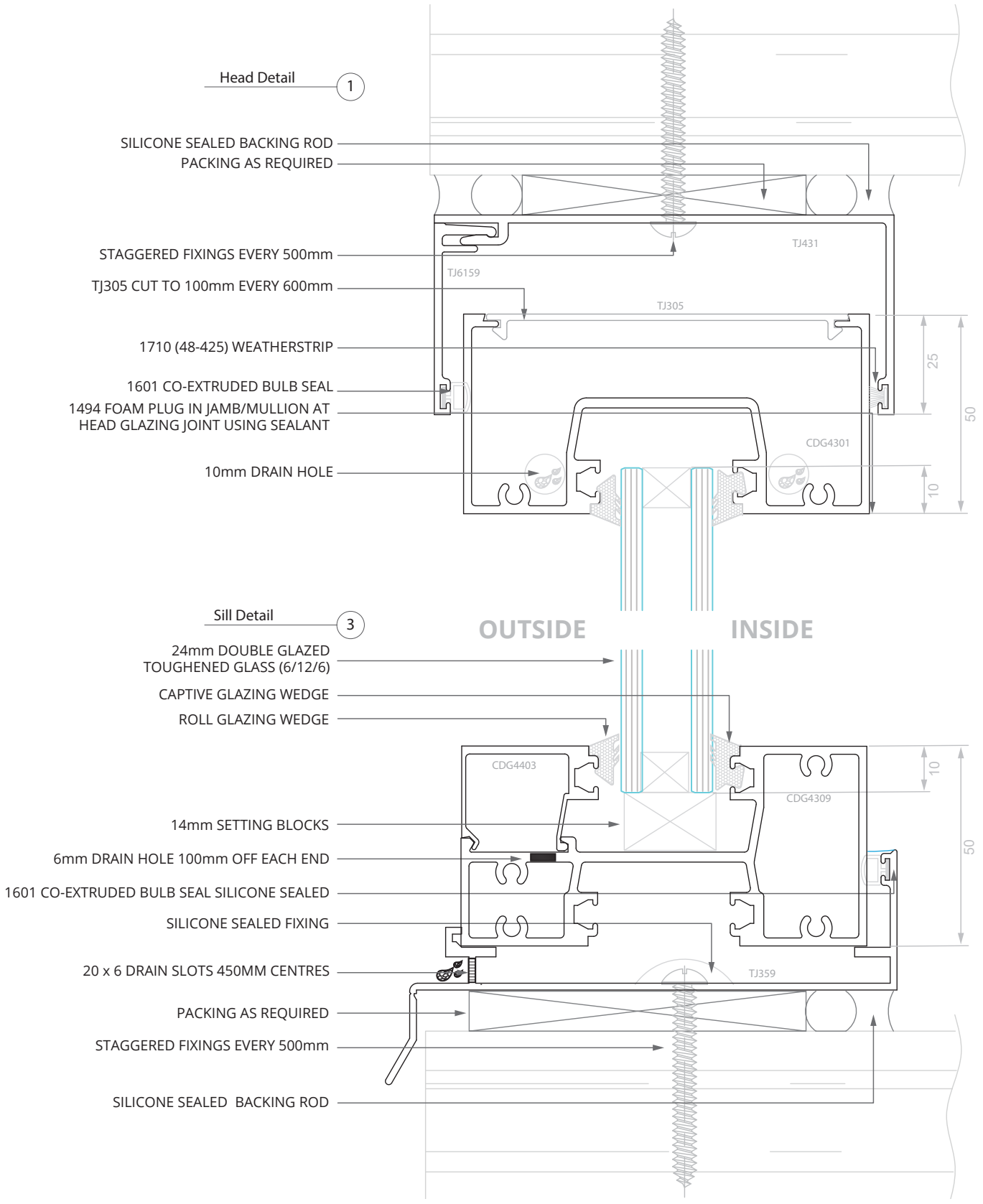
All raw joints need to be sealed with small joint sealer or foam tab option.



See also: Disclaimer and Copyright information on page 3

Head & Sill Option

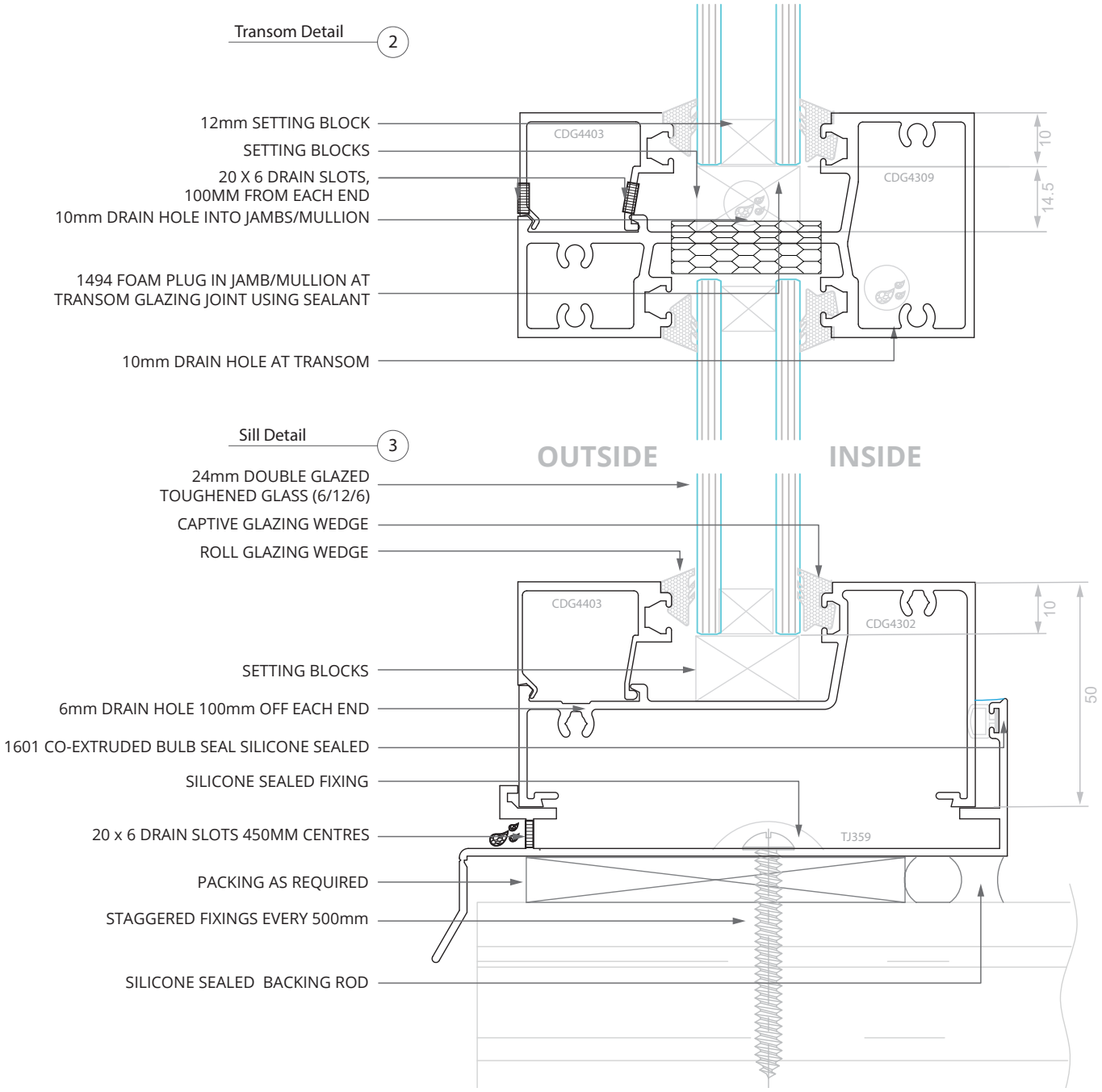
All raw joints need to be sealed with small joint sealer or foam tab option.



See also: Disclaimer and Copyright information on page 3

Transom Option

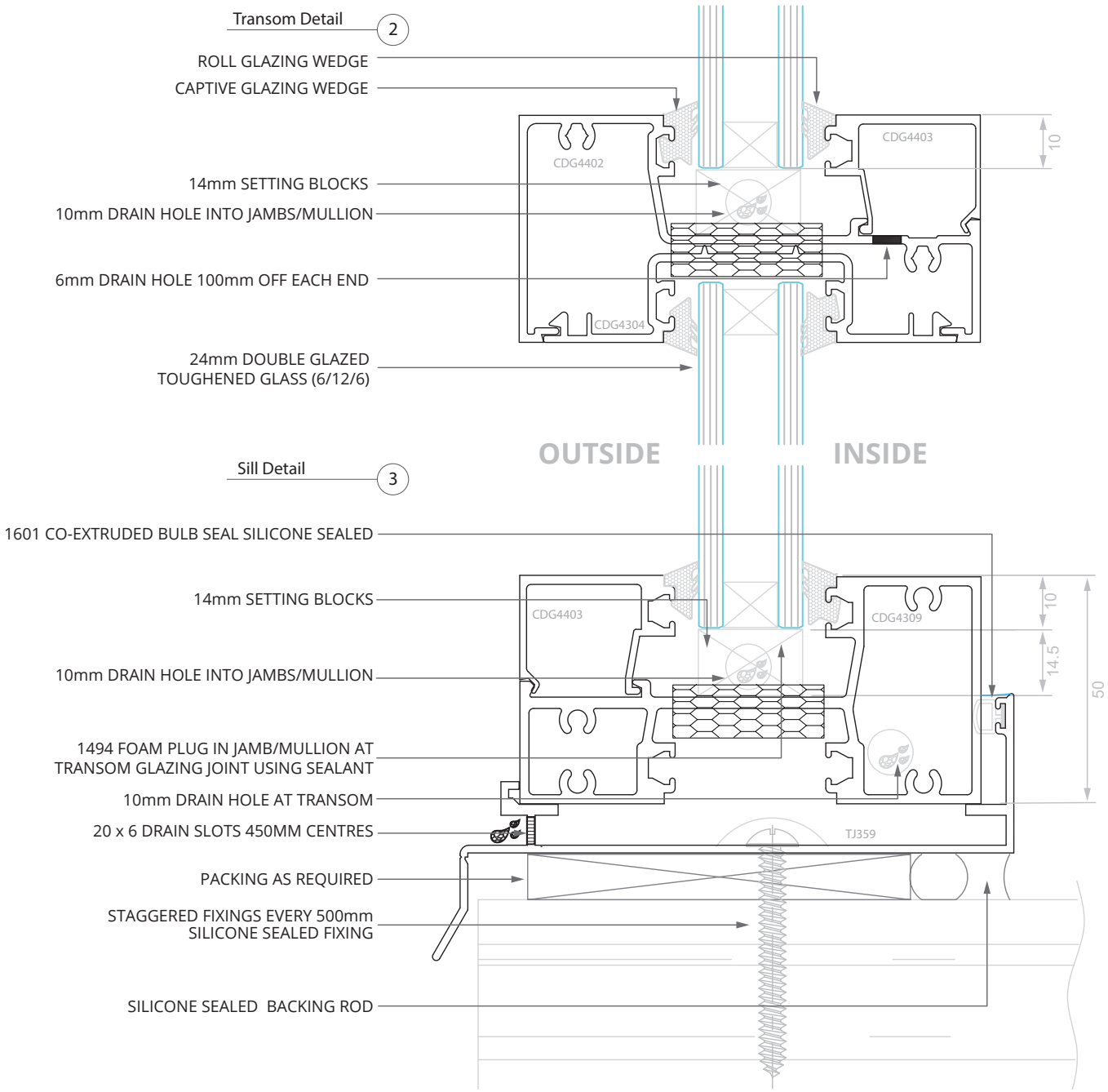
All raw joints need to be sealed with small joint sealer or foam tab option.



See also: Disclaimer and Copyright information on page 3

Transom Option

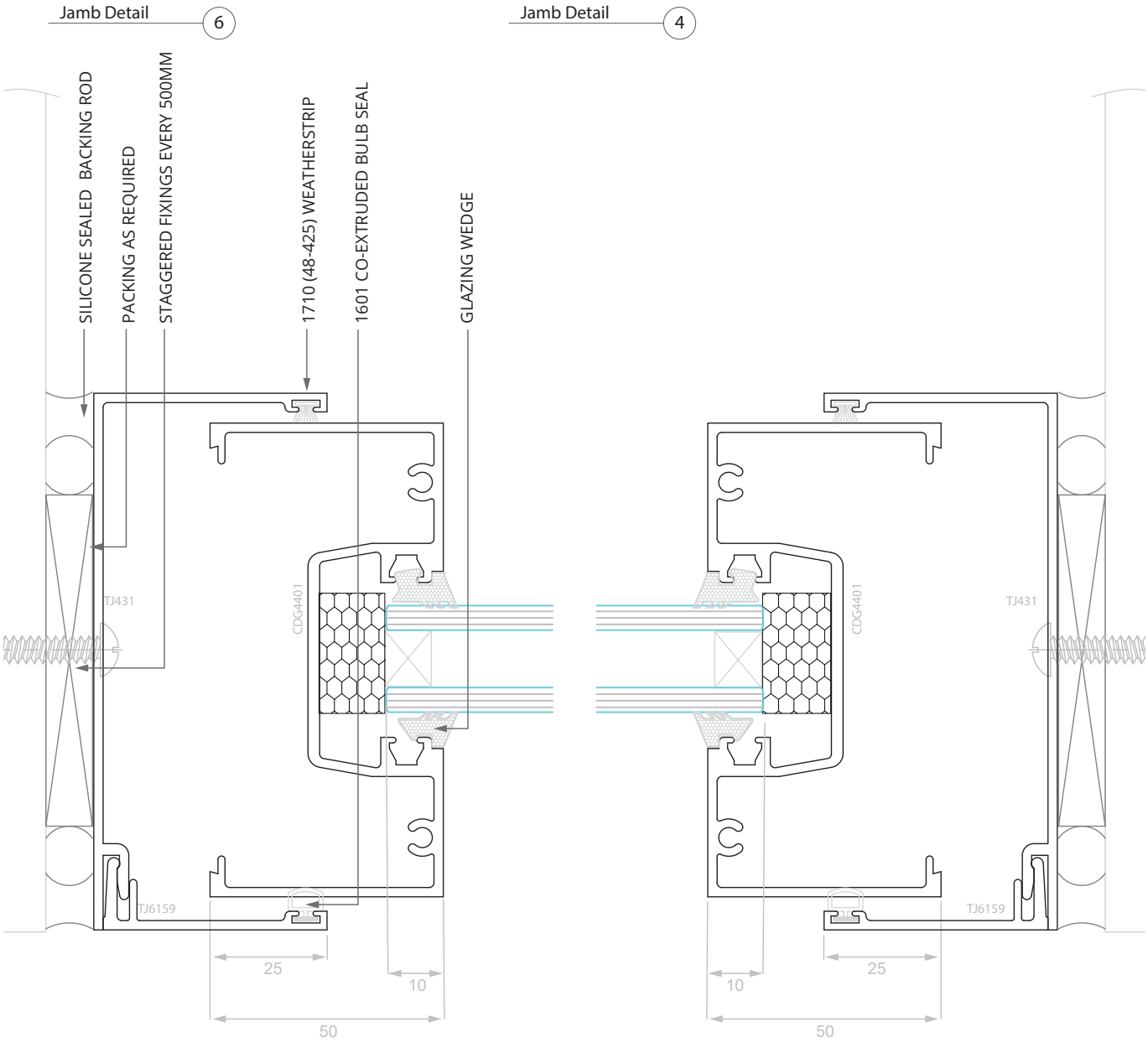
All raw joints need to be sealed with small joint sealer or foam tab option.



See also: Disclaimer and Copyright information on page 3

Jamb Option: Sub Jamb

All raw joints need to be sealed with small joint sealer or foam tab option.



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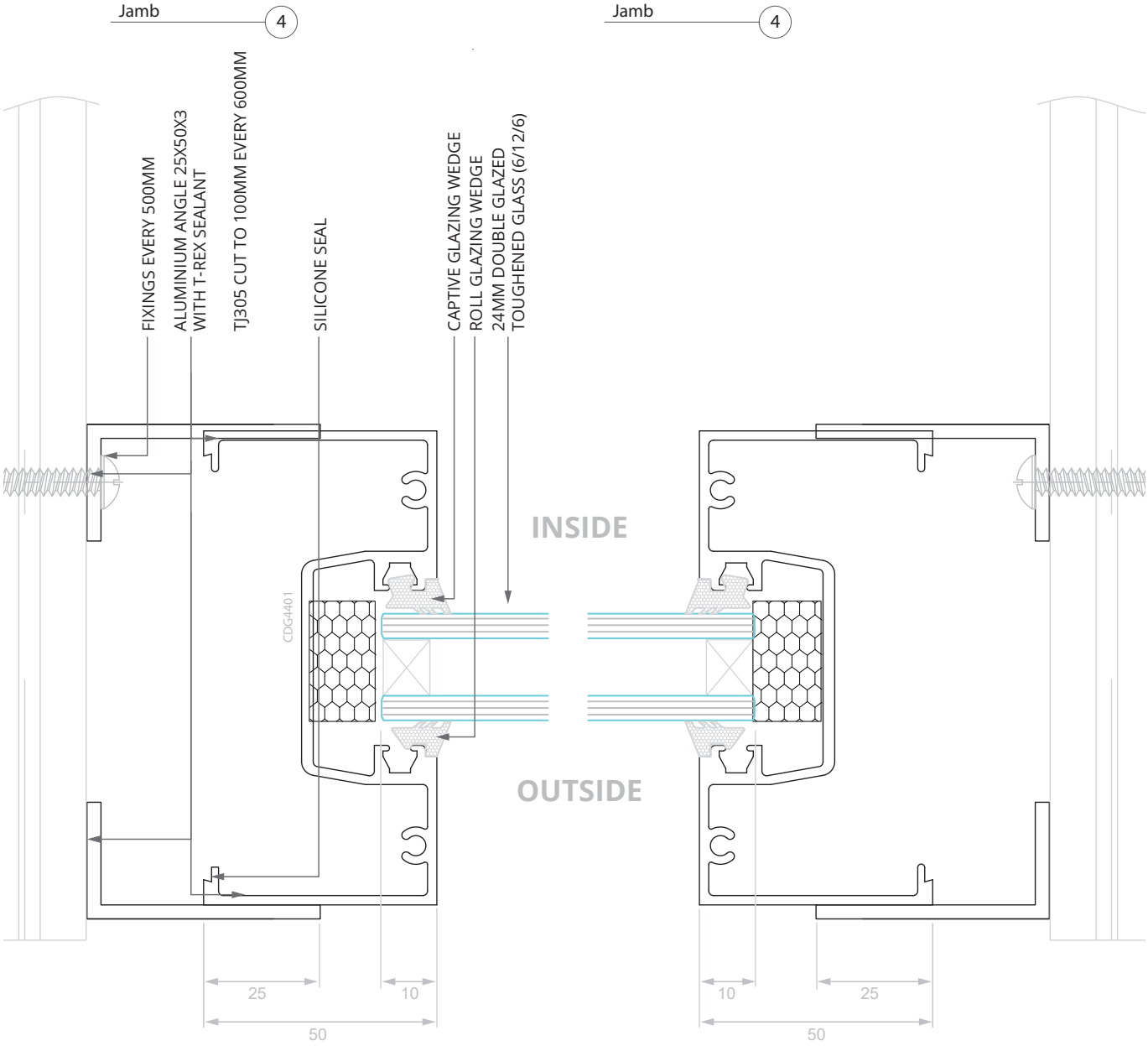
Fabrication

Jamb Option: Angle

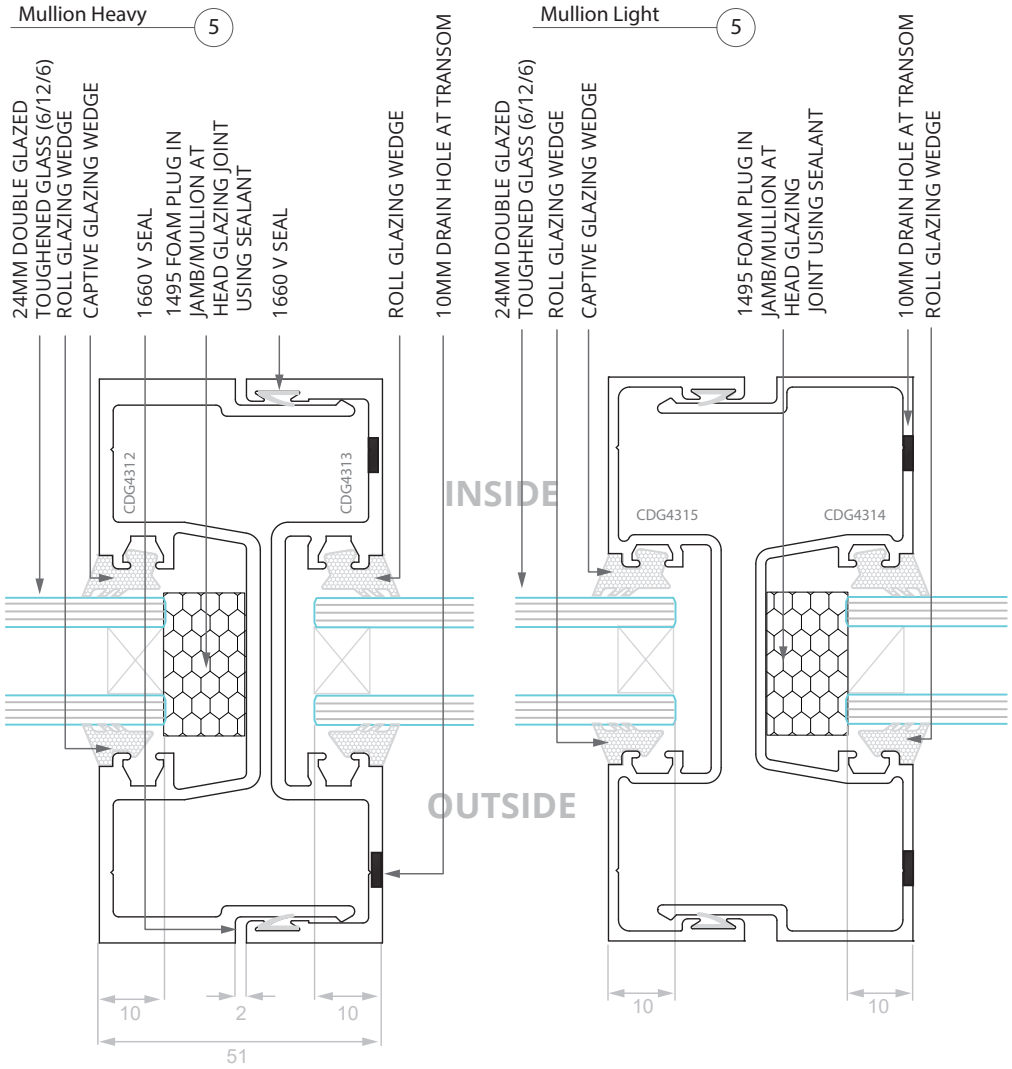
All raw joints need to be sealed with small joint sealer or foam tab option.



See also: Disclaimer and Copyright information on page 3

Mulion

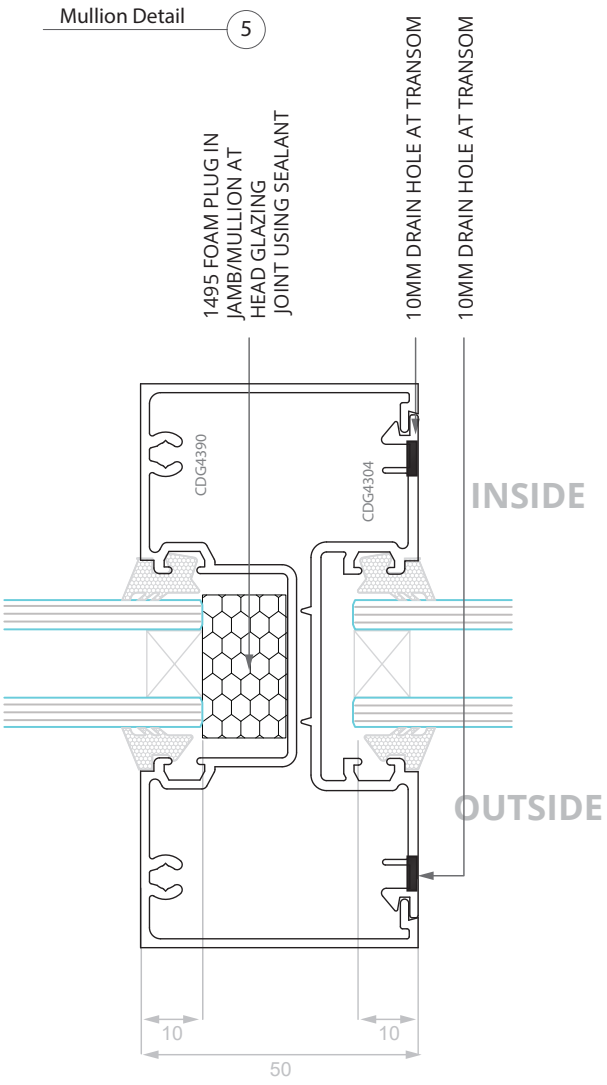
All raw joints need to be sealed with small joint sealer or foam tab option.



See also: Disclaimer and Copyright information on page 3

Mulion

All raw joints need to be sealed with small joint sealer or foam tab option.



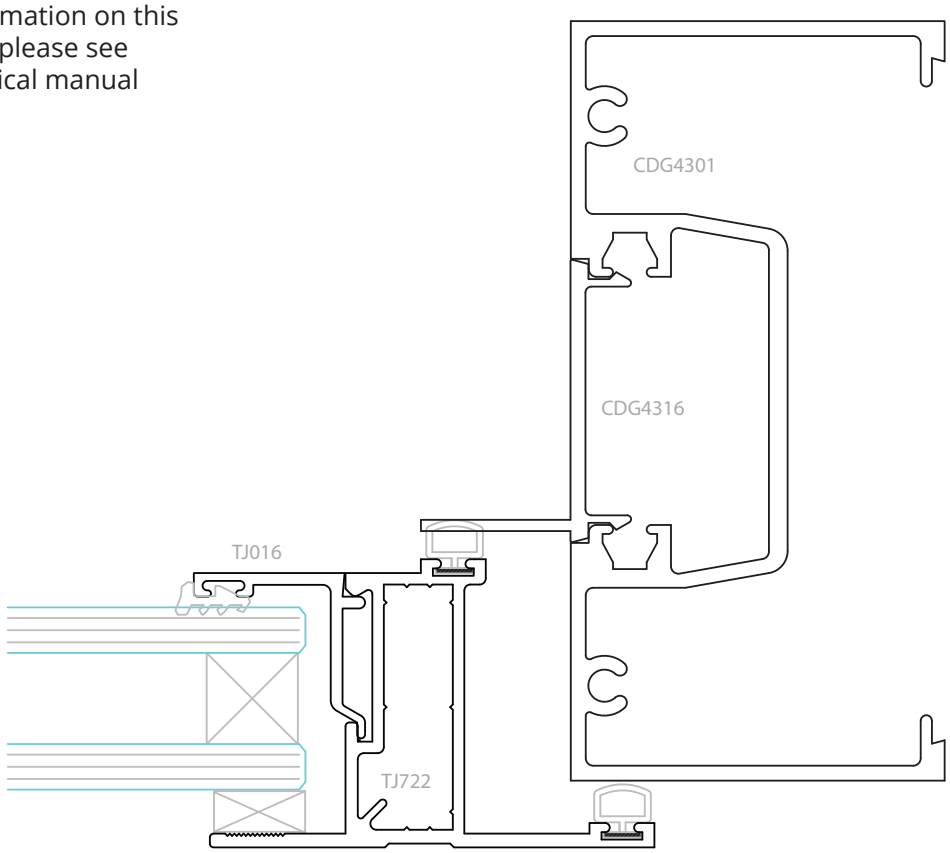
See also: Disclaimer and Copyright information on page 3

CityView 35mm Awning

Scale 1:1

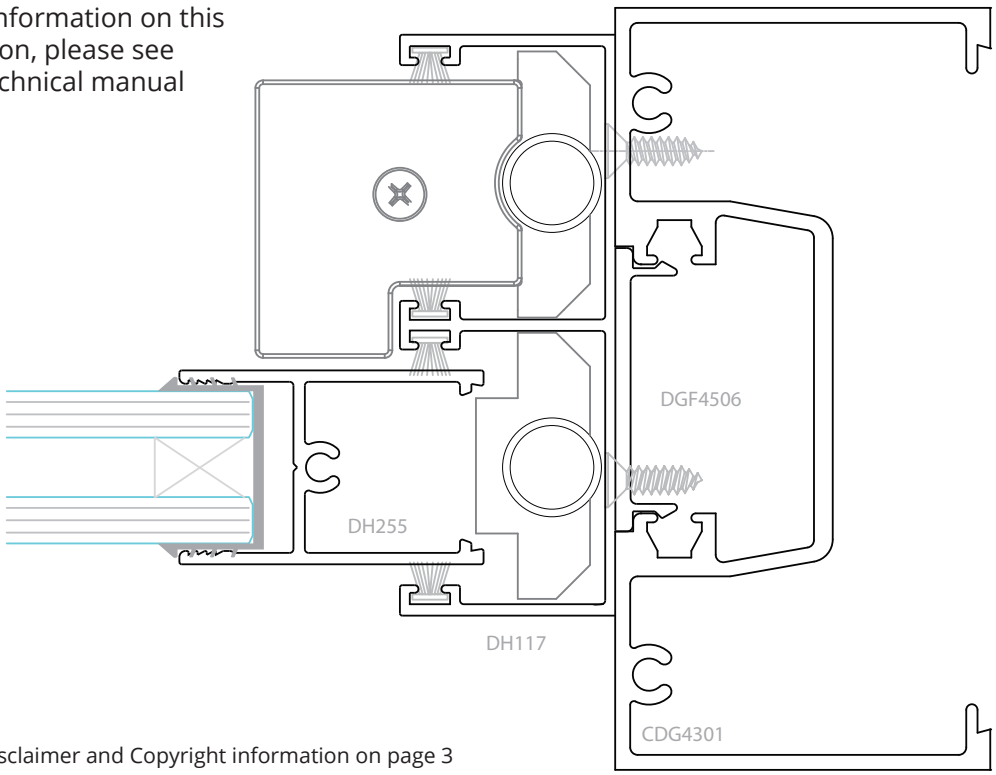
All raw joints need to be sealed with small joint sealer or foam tab option.

For more information on this configuration, please see relevent technical manual



CityView Double Hung

For more information on this configuration, please see relevent technical manual



See also: Disclaimer and Copyright information on page 3

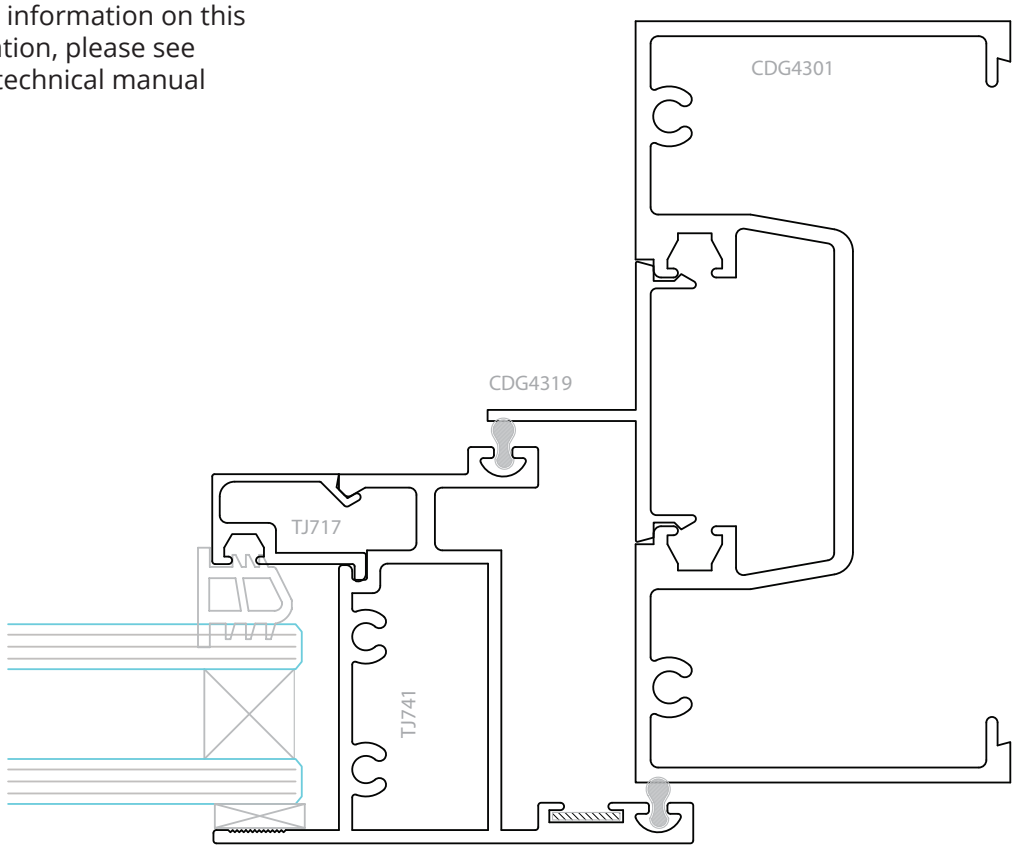
Fabrication

CityView 50mm Awning/Casement

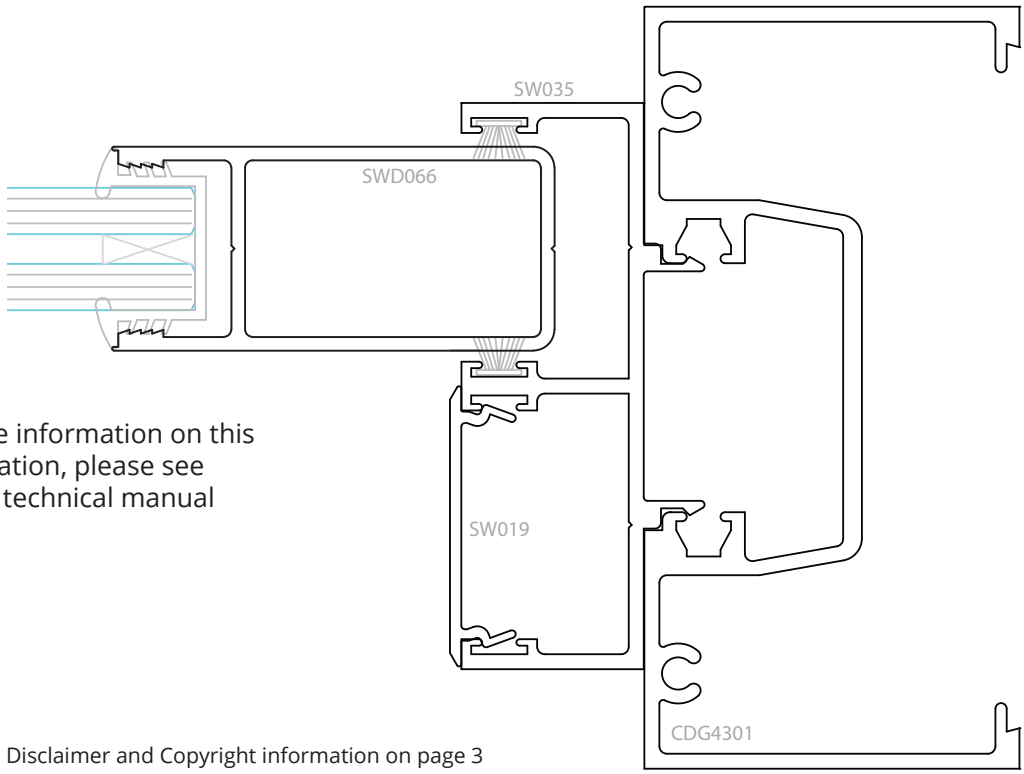
Scale 1:1

All raw joints need to be sealed with small joint sealer or foam tab option.

For more information on this configuration, please see relevent technical manual



CityView Sliding Window - Single Piece



For more information on this configuration, please see relevent technical manual

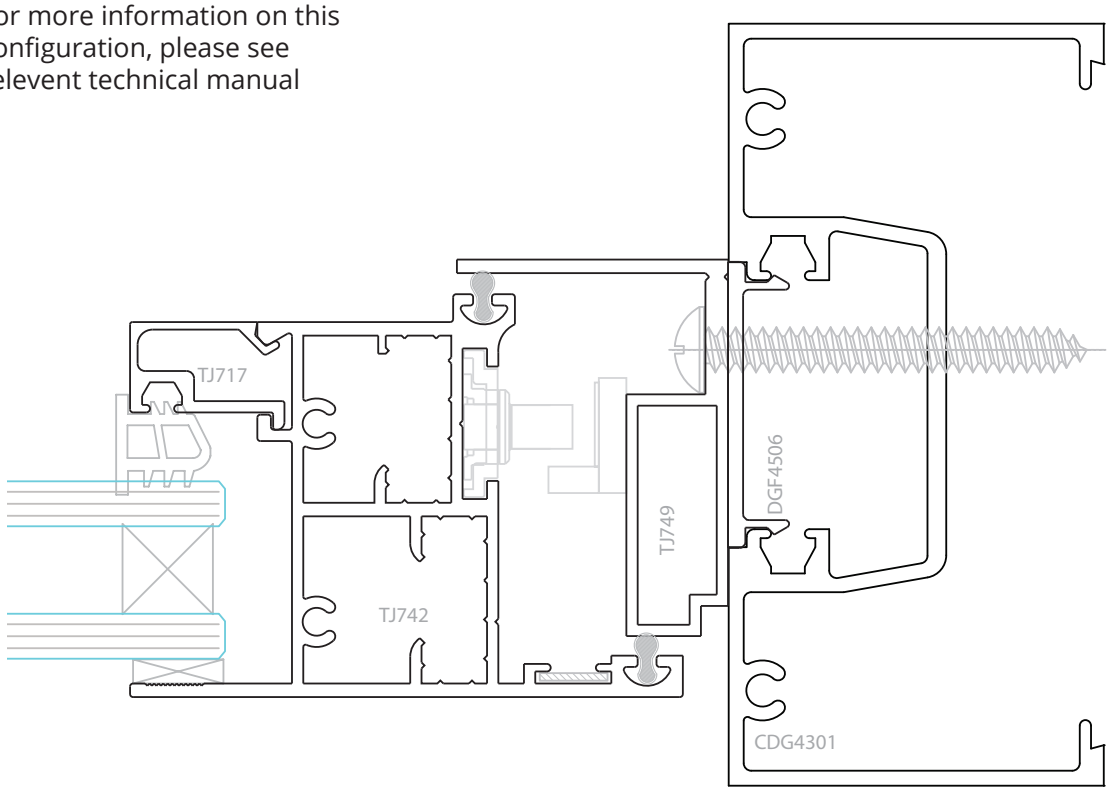
See also: Disclaimer and Copyright information on page 3

CityView 50mm Hook Awning

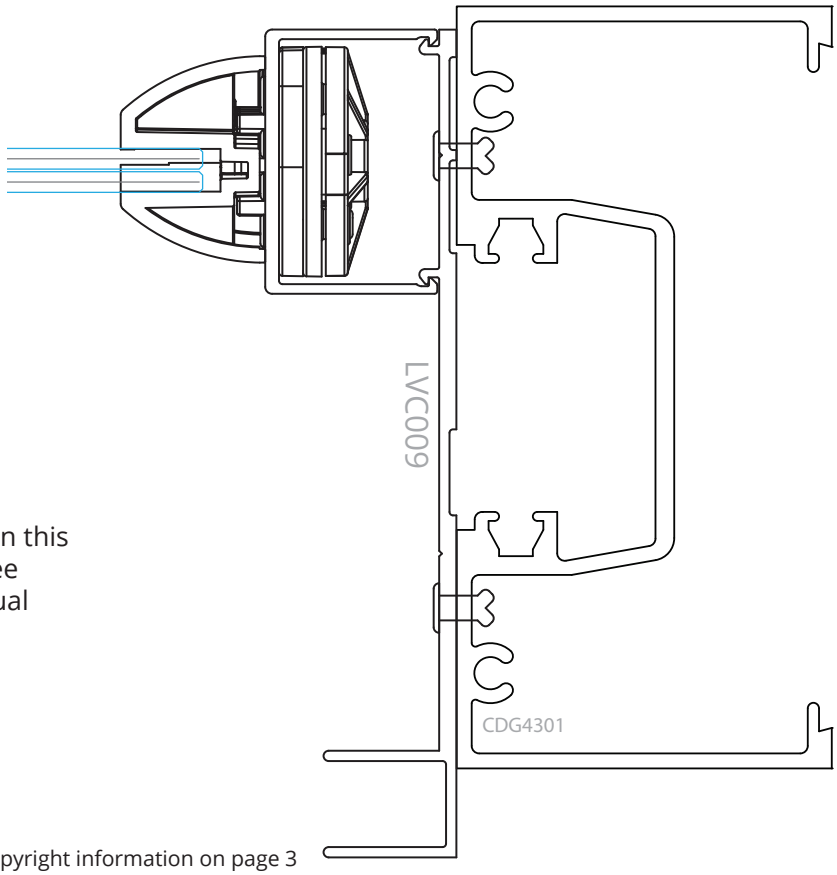
Scale 1:1

All raw joints need to be sealed with small joint sealer or foam tab option.

For more information on this configuration, please see relevent technical manual



CityView Louvre Window



For more information on this configuration, please see relevent technical manual

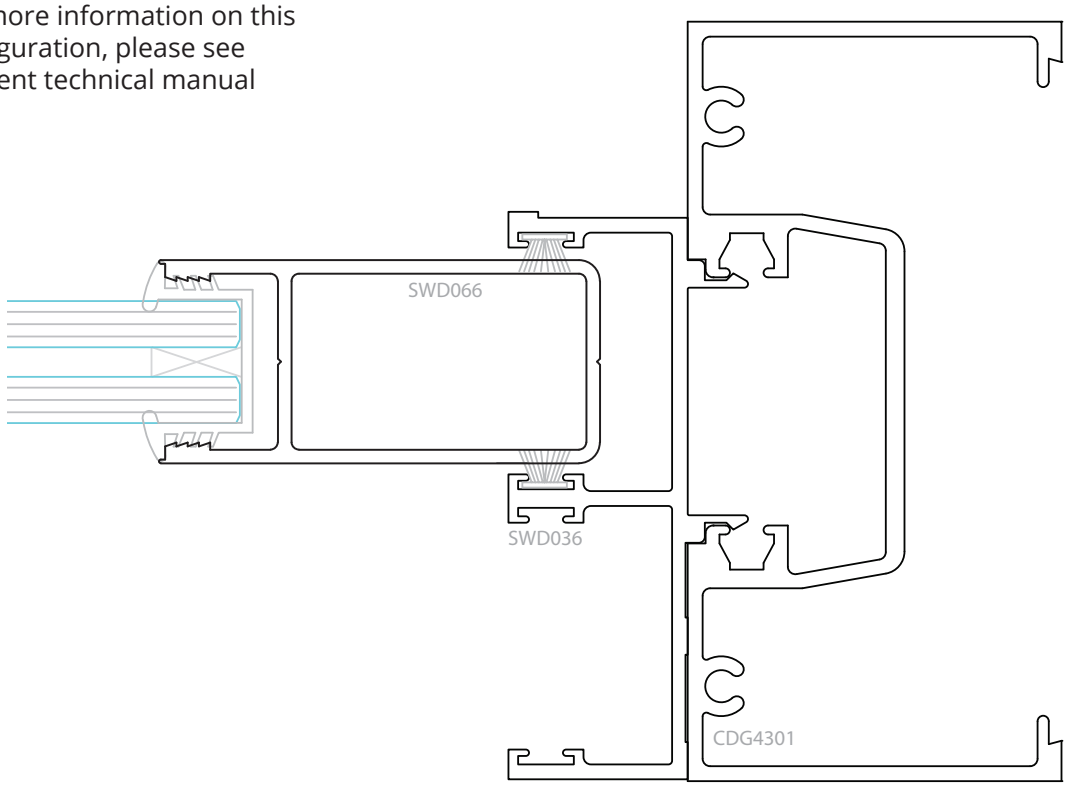
See also: Disclaimer and Copyright information on page 3

Scale 1:1

CityView Patio Door - Single Piece

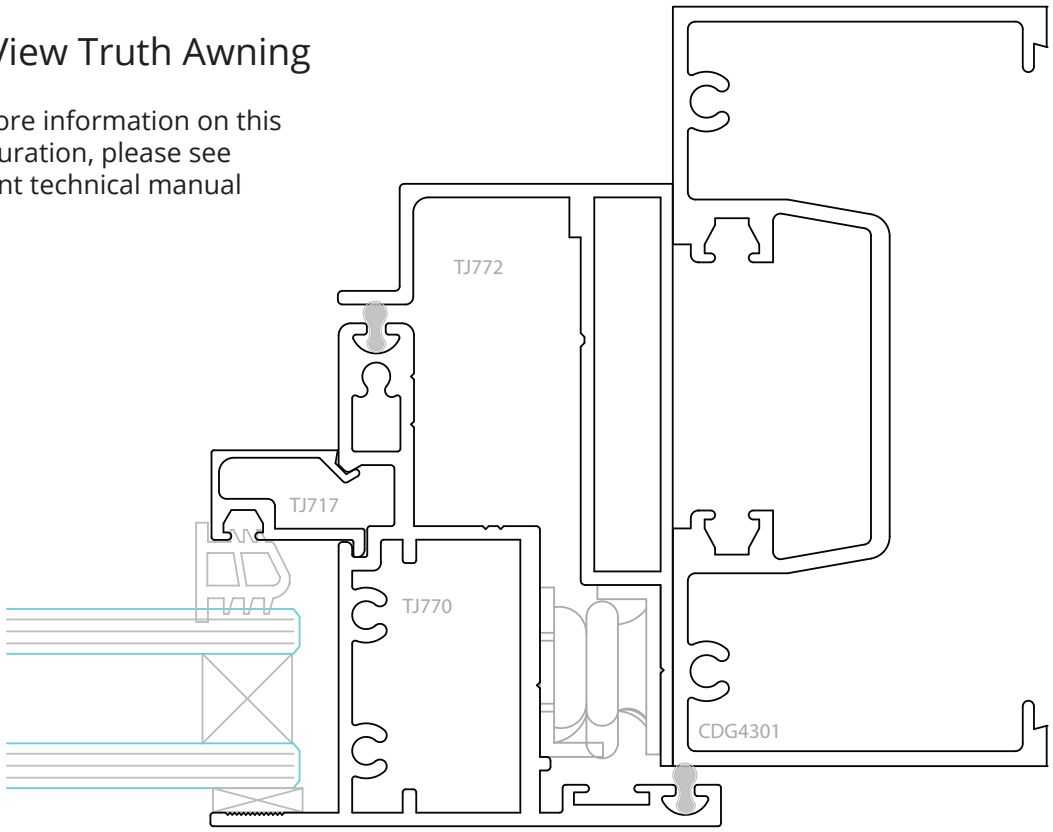
All raw joints need to be sealed with small joint sealer or foam tab option.

For more information on this configuration, please see relevent technical manual



CityView Truth Awning

For more information on this configuration, please see relevent technical manual



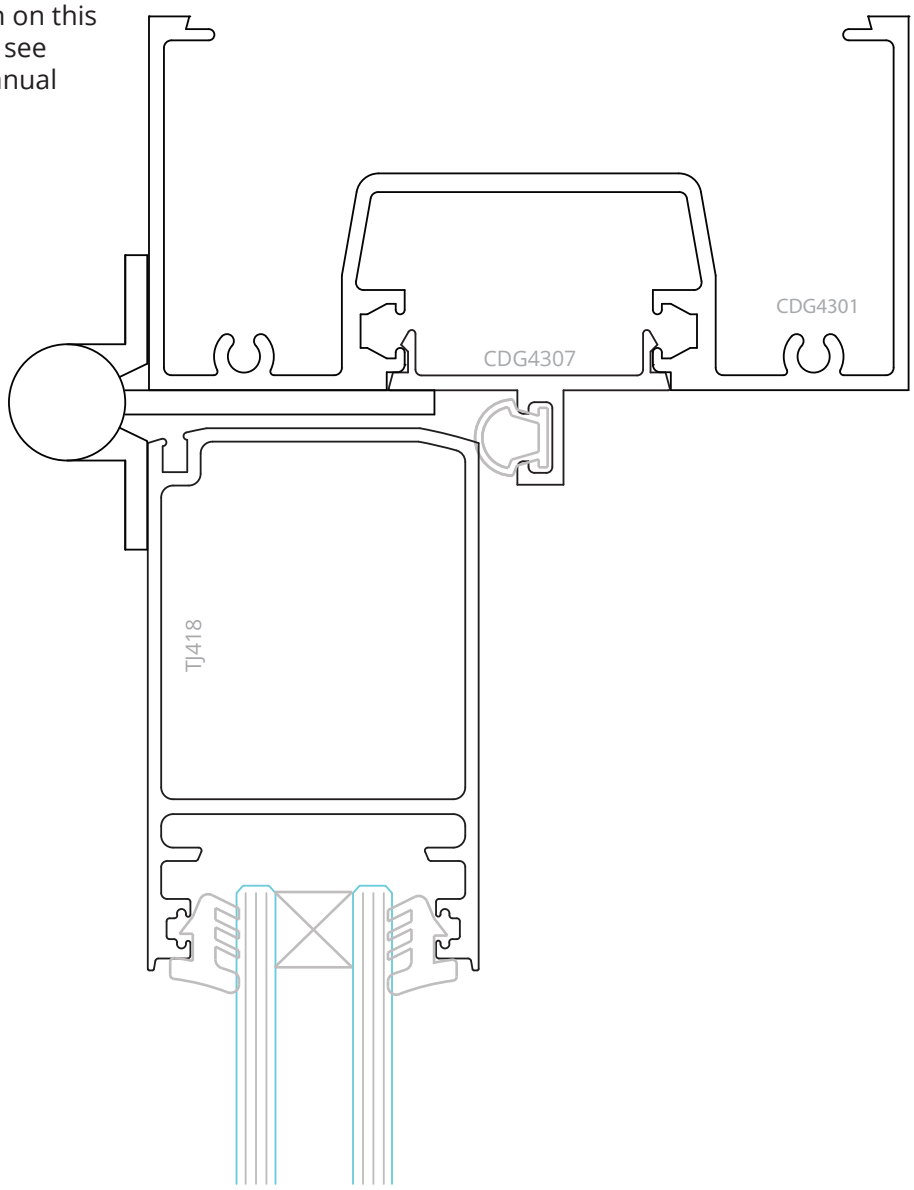
See also: Disclaimer and Copyright information on page 3

Scale 1:1

CityView Servery Strut Window

All raw joints need to be sealed with small joint sealer or foam tab option.

For more information on this configuration, please see relevent technical manual



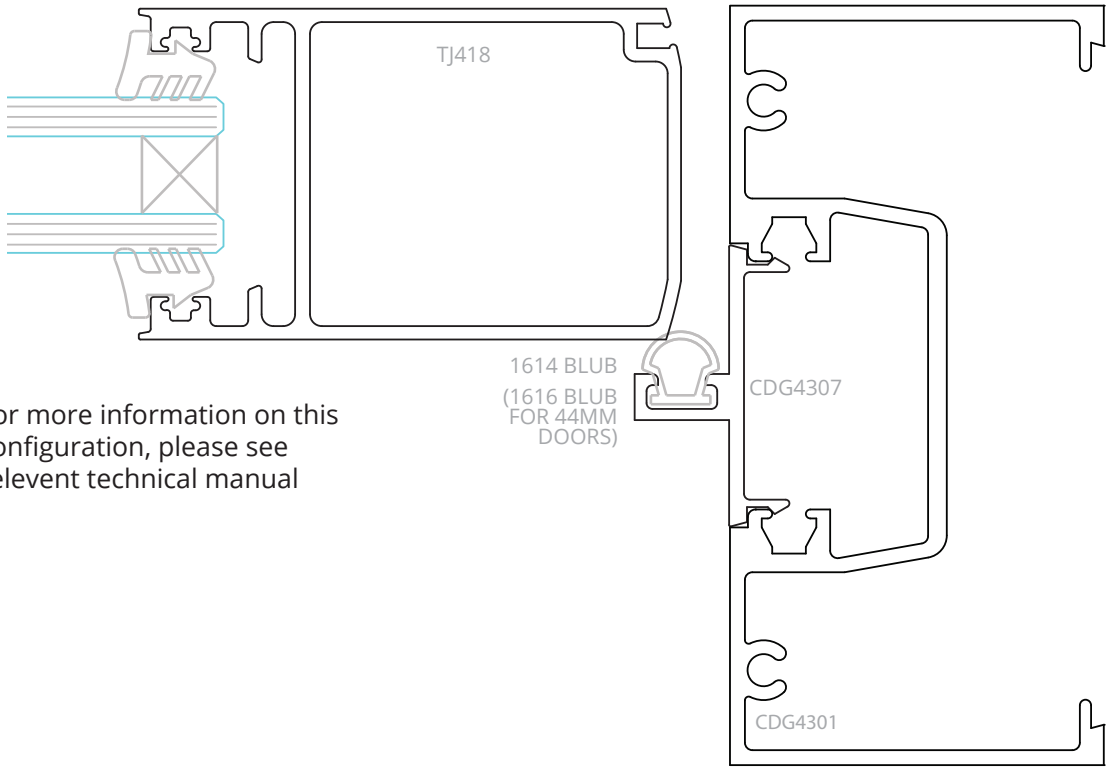
See also: Disclaimer and Copyright information on page 3

Fabrication

Scale 1:1

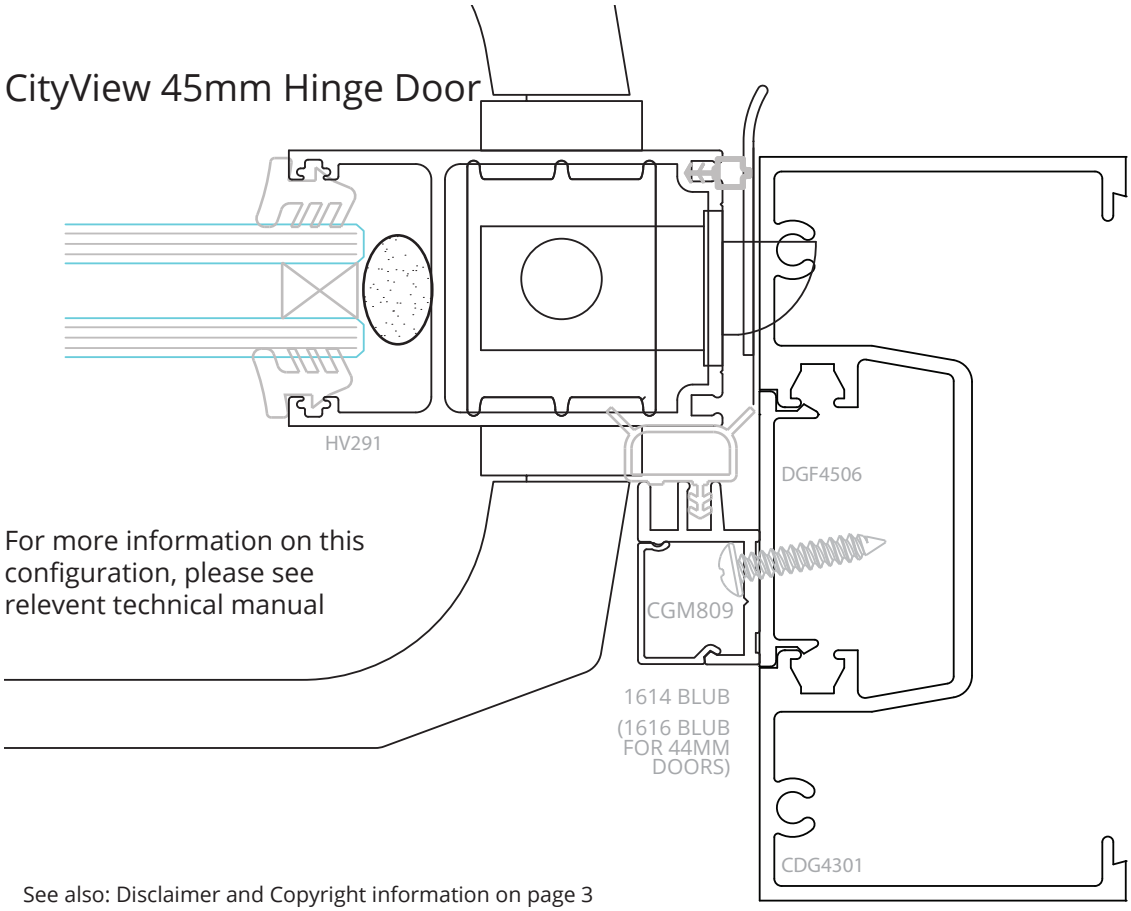
CityView 40/44mm Hinge Door

All raw joints need to be sealed with small joint sealer or foam tab option.



For more information on this configuration, please see relevent technical manual

CityView 45mm Hinge Door



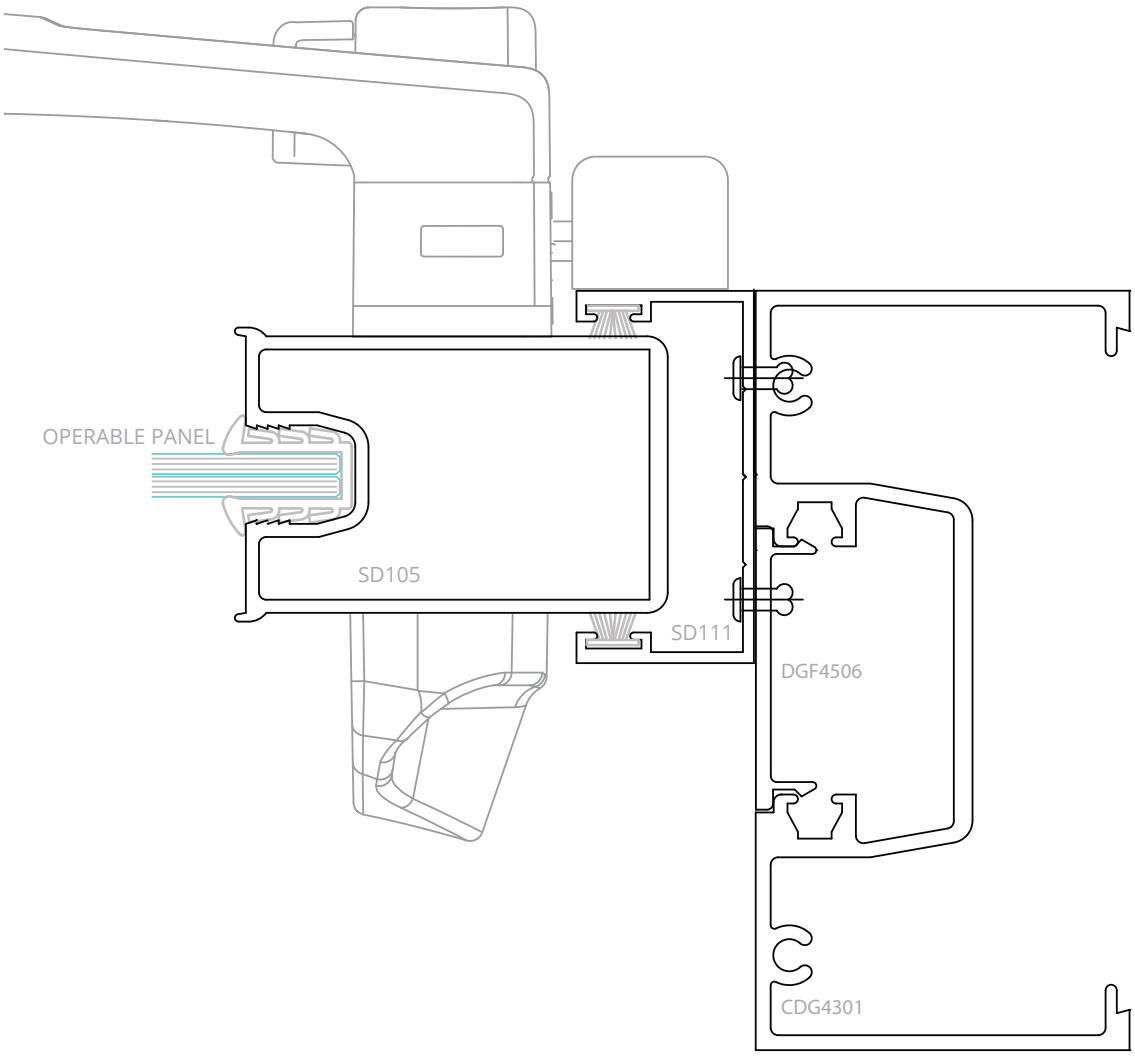
For more information on this configuration, please see relevent technical manual

See also: Disclaimer and Copyright information on page 3

CityView Sliding Door

Scale 1:1

For more information on this configuration, please see relevent technical manual

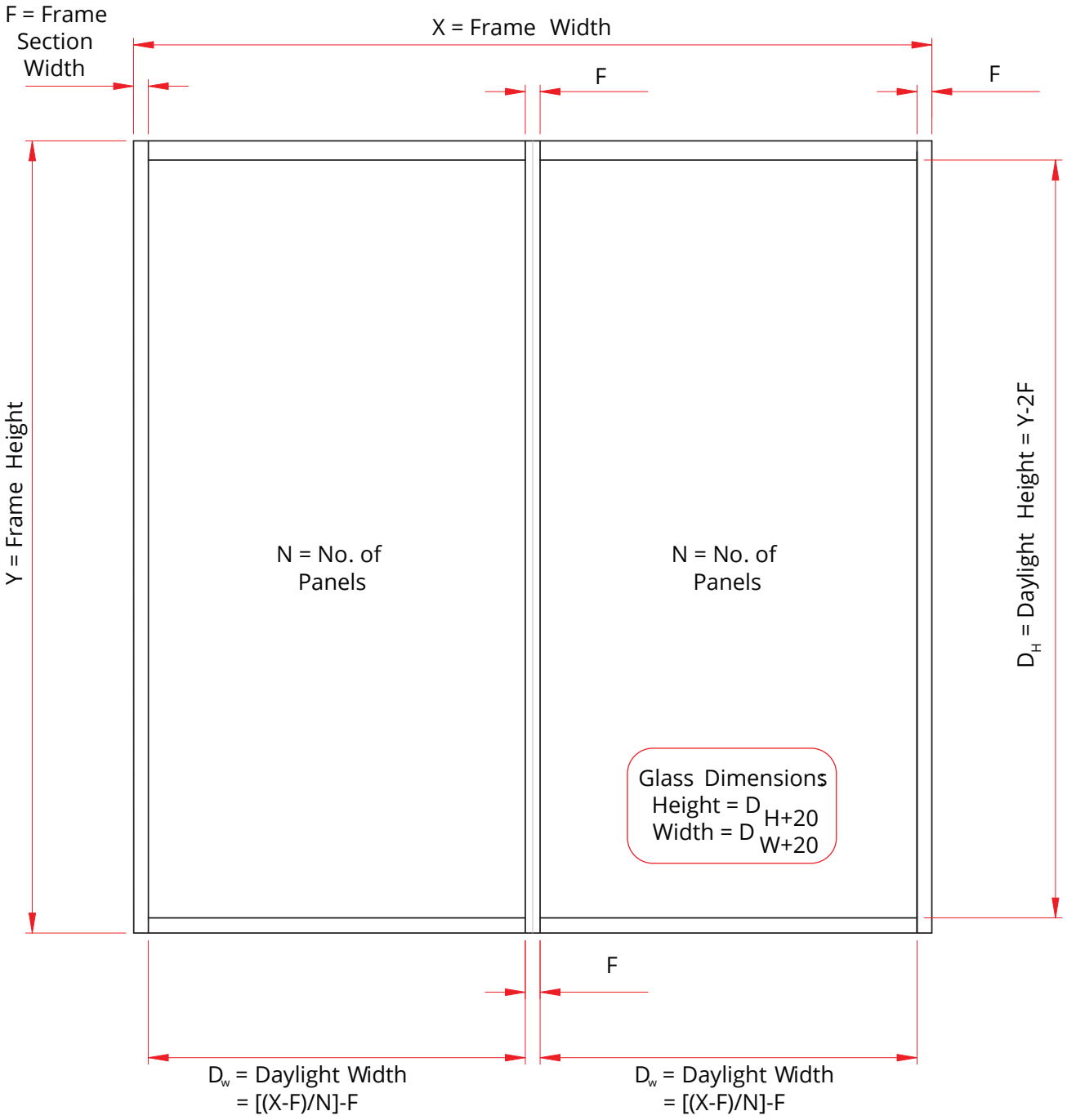


See also: Disclaimer and Copyright information on page 3

Cutting Formula

All raw joints need to be sealed with small joint sealer or foam tab option.

Machining

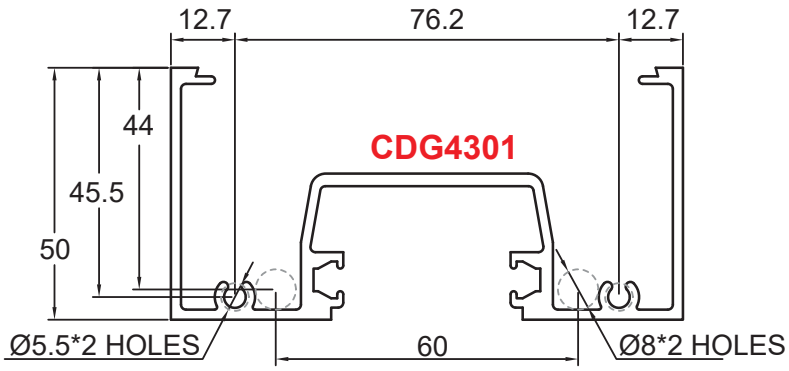


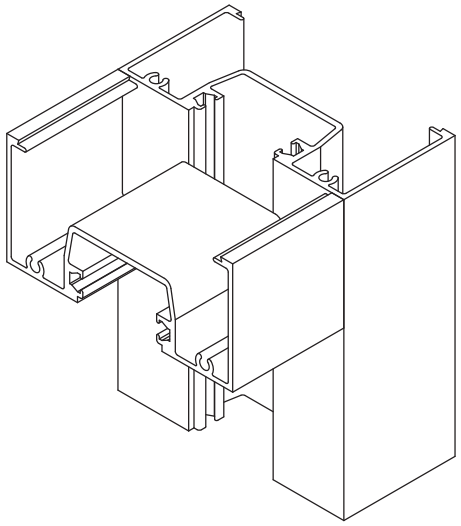
See also: Disclaimer and Copyright information on page 3

Machining Details: Head and Sill

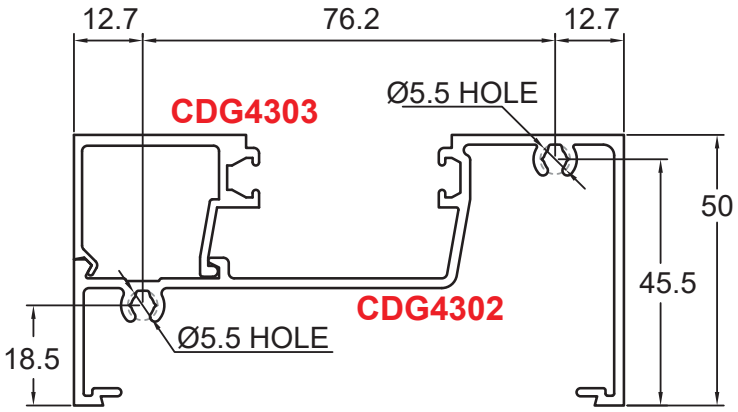
All raw joints need to be sealed with small joint sealer or foam tab option.

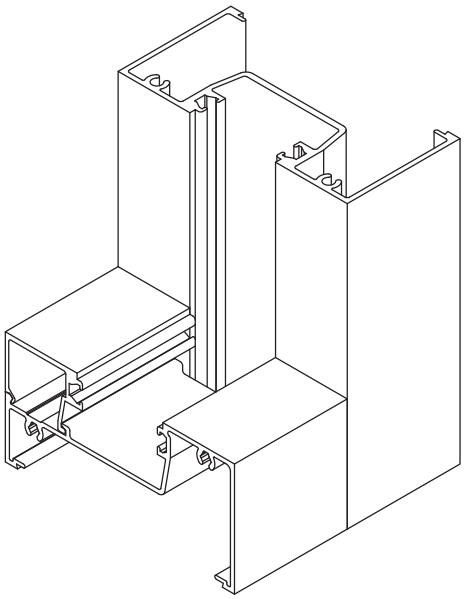
1. Head CDG4301





2. Sill CDG4302



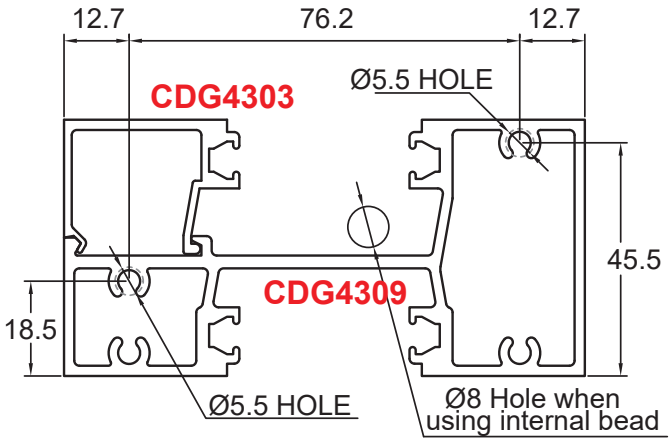


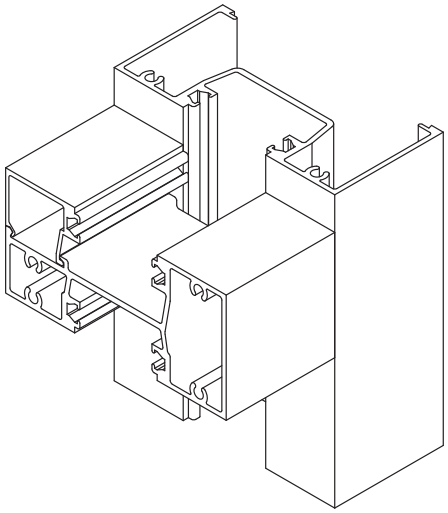
See also: Disclaimer and Copyright information on page 3

Machining Details: Transom and Pocket Transom

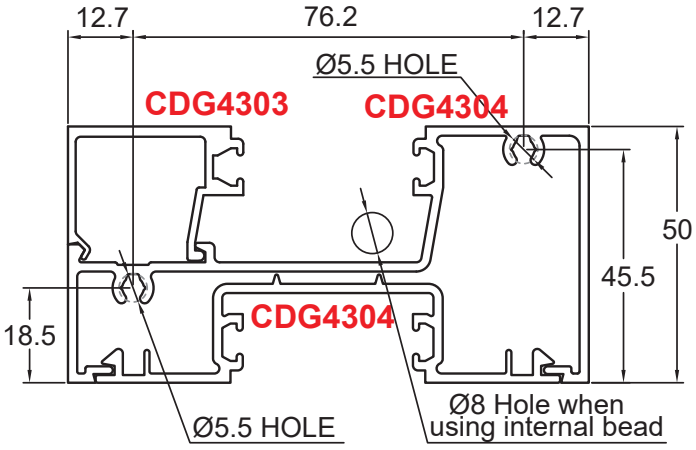
All raw joints need to be sealed with small joint sealer or foam tab option.

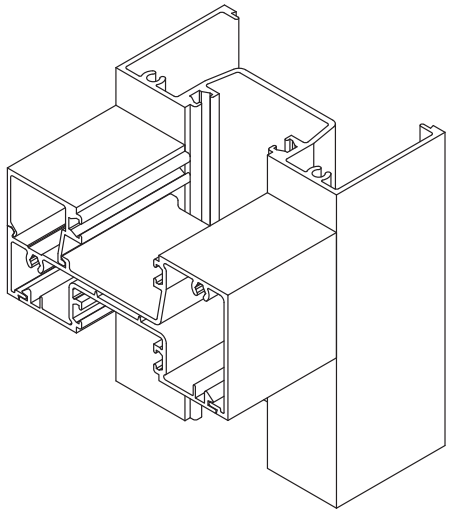
1. Transom CDG4309





2. Pocket Transom CDG4304



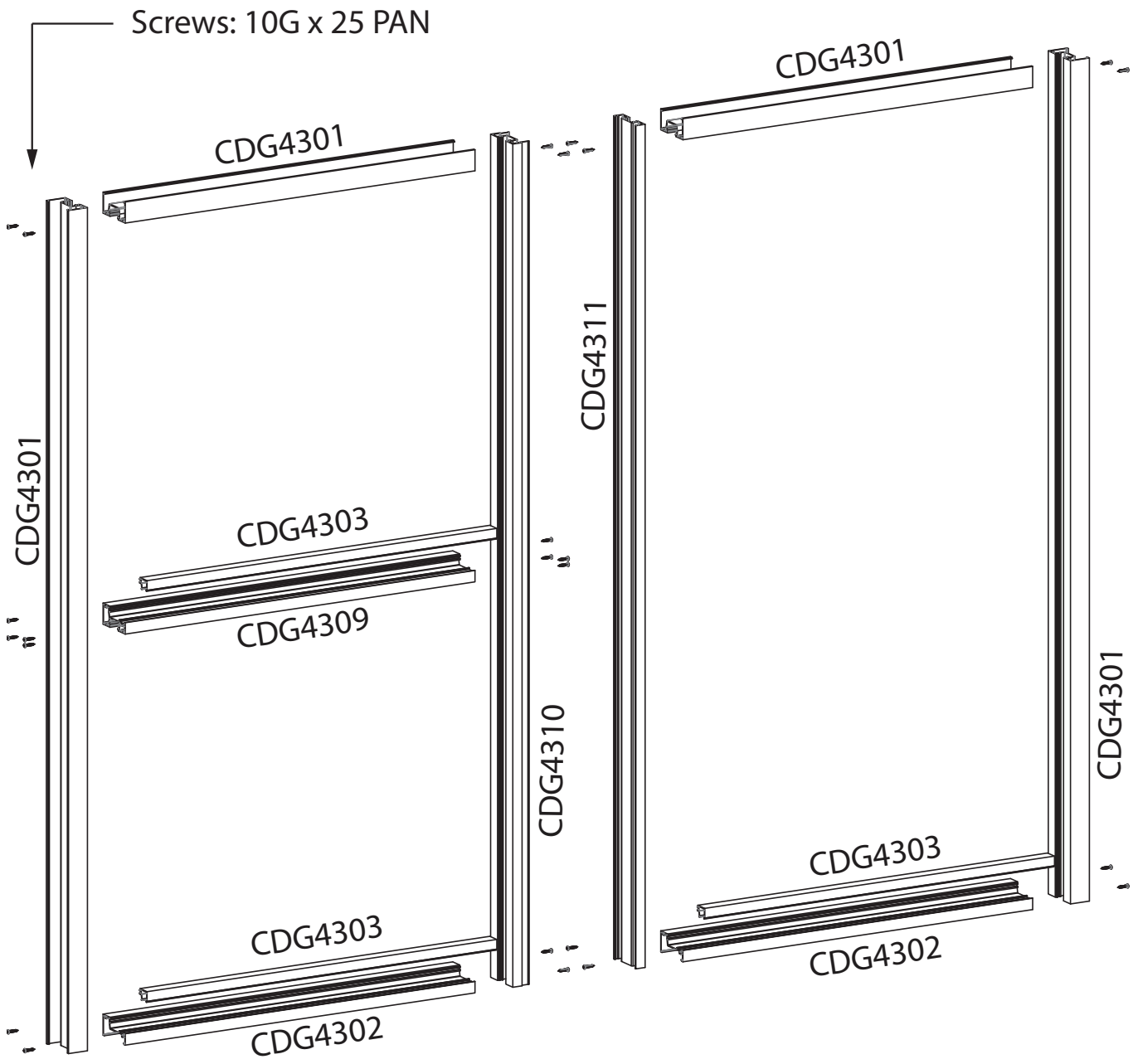


See also: Disclaimer and Copyright information on page 3

Exploded Assembly Overview

All raw joints need to be sealed with small joint sealer or foam tab option.

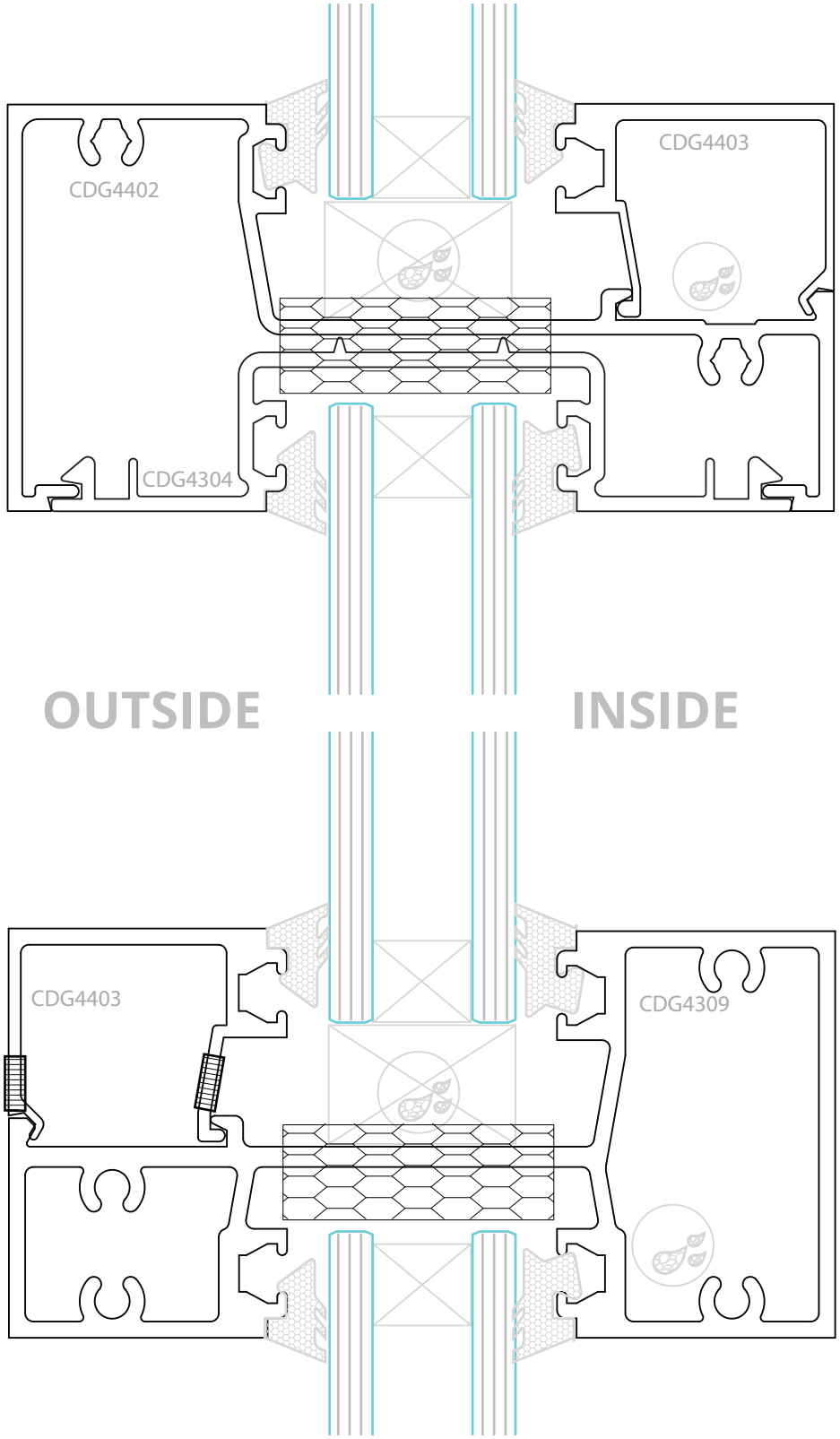
Assembly



See also: Disclaimer and Copyright information on page 3

Transom Plug Insertion

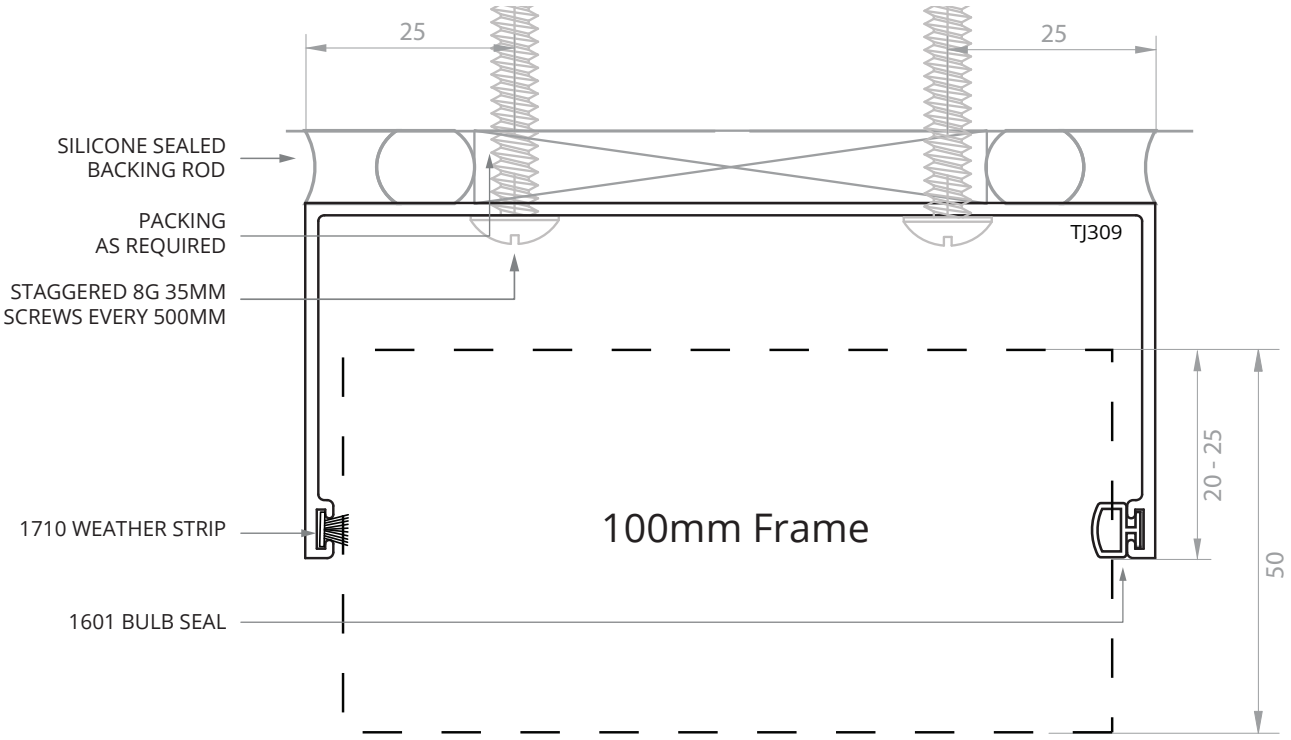
All raw joints need to be sealed with small joint sealer or foam tab option.

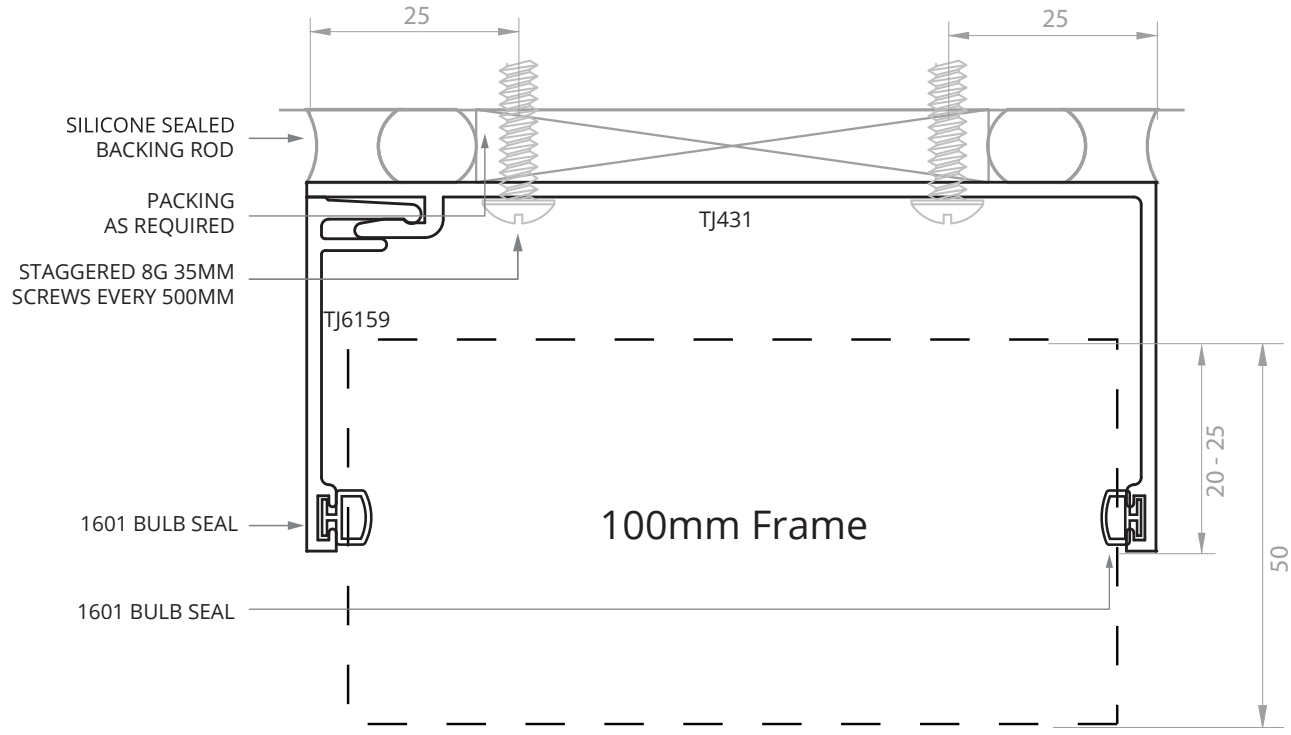


See also: Disclaimer and Copyright information on page 3

100mm Subhead Options

All raw joints need to be sealed with small joint sealer or foam tab option.

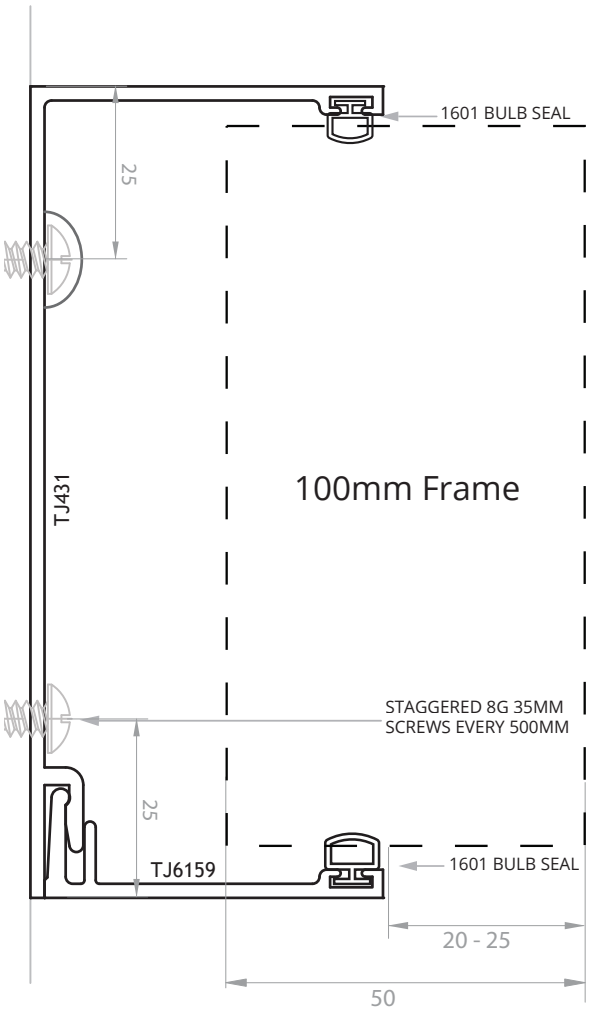


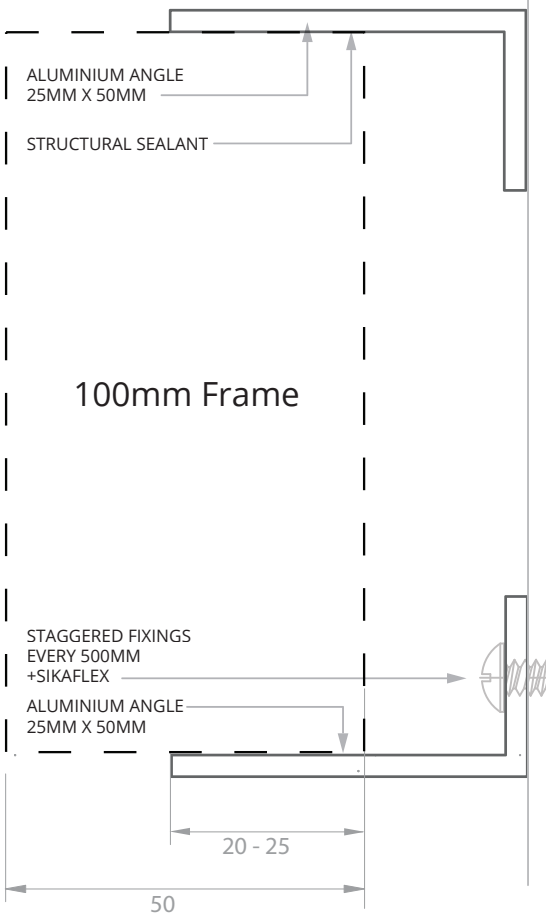


See also: Disclaimer and Copyright information on page 3

100mm SubJamb Options

All raw joints need to be sealed with small joint sealer or foam tab option.



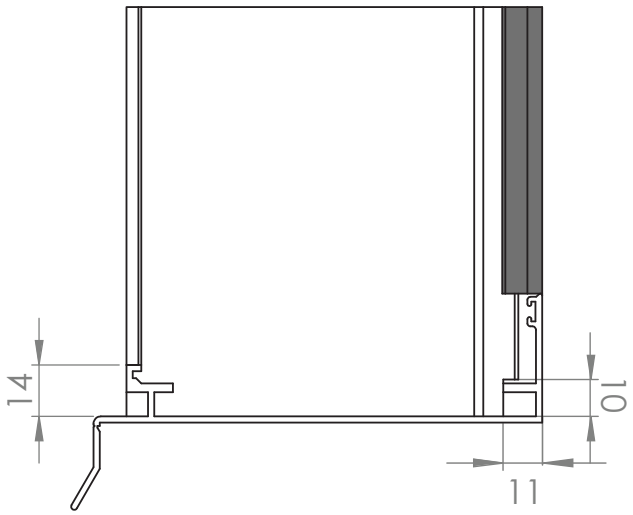


See also: Disclaimer and Copyright information on page 3

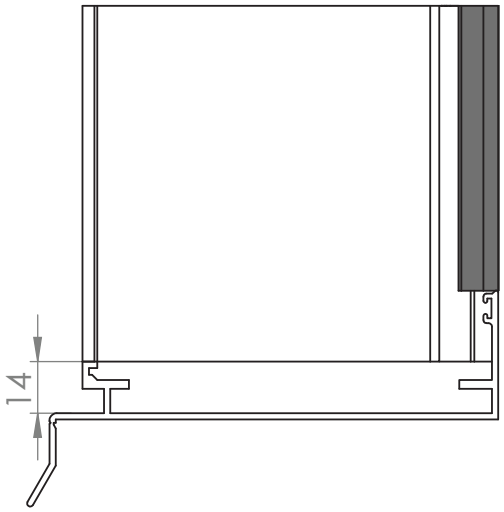
100mm Subframe Internal Bead

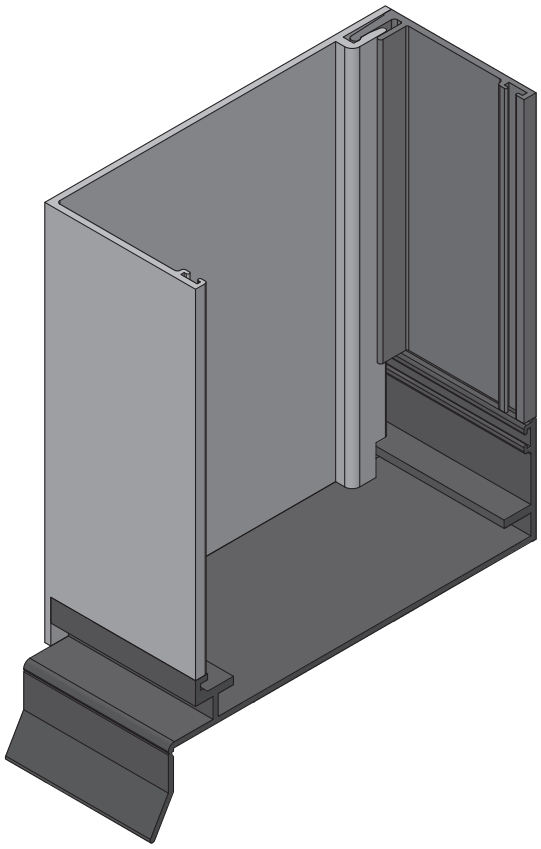
All raw joints need to be sealed with small joint sealer or foam tab option.

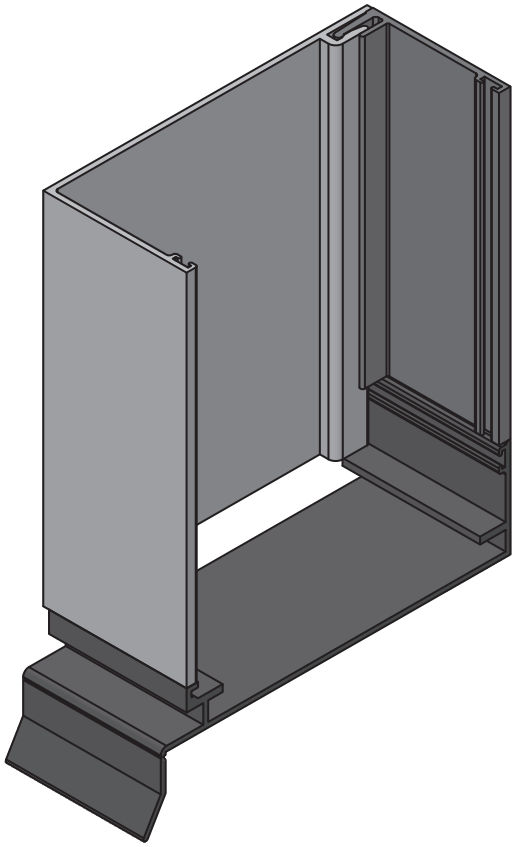
SQUARE CUT (INTERNAL BEAD)



MACHINED (INTERNAL BEAD)







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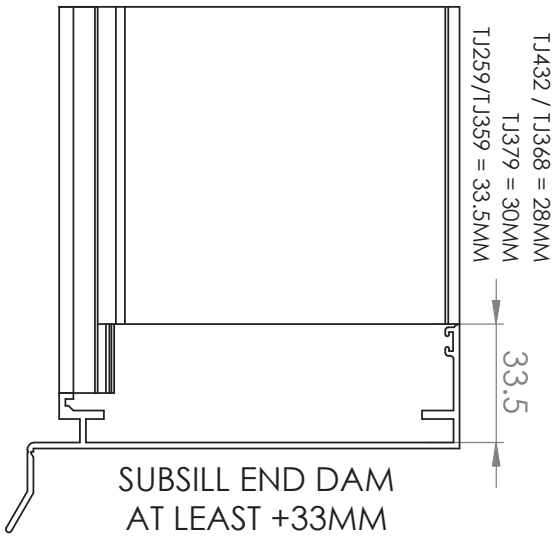
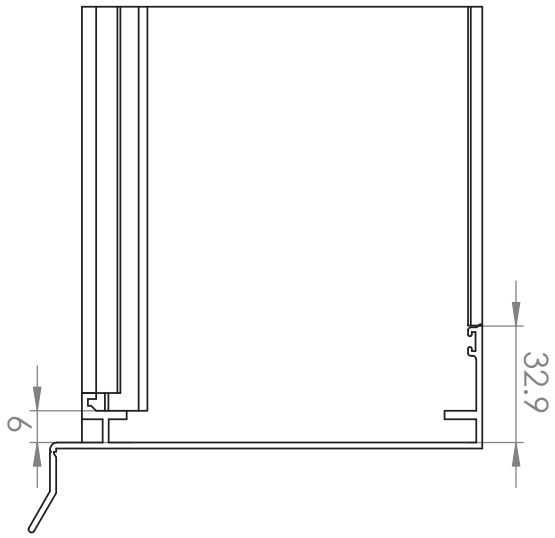
100mm Subframe External Bead

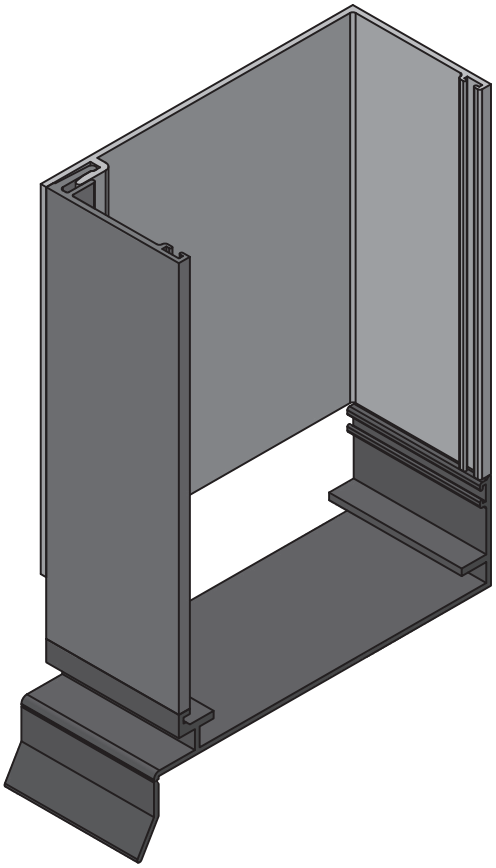
All raw joints need to be sealed with small joint sealer or foam tab option.

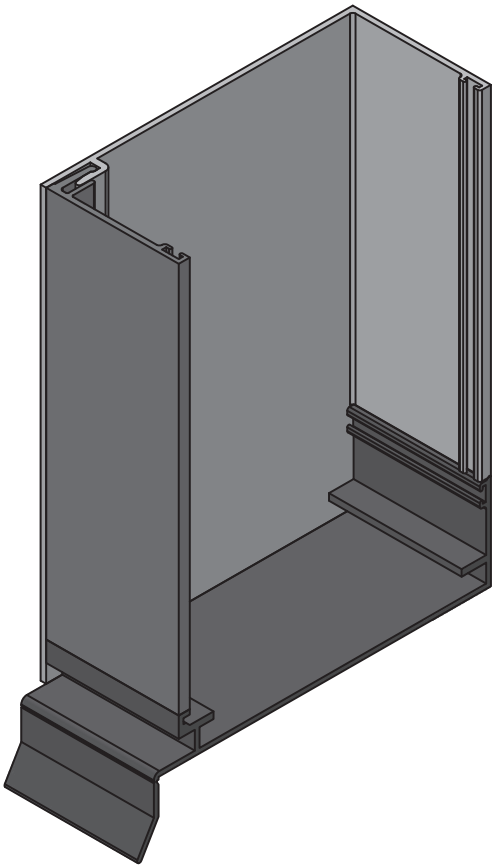
SQUARE CUT (EXTERNAL BEAD)



MACHINED (EXTERNAL BEAD)



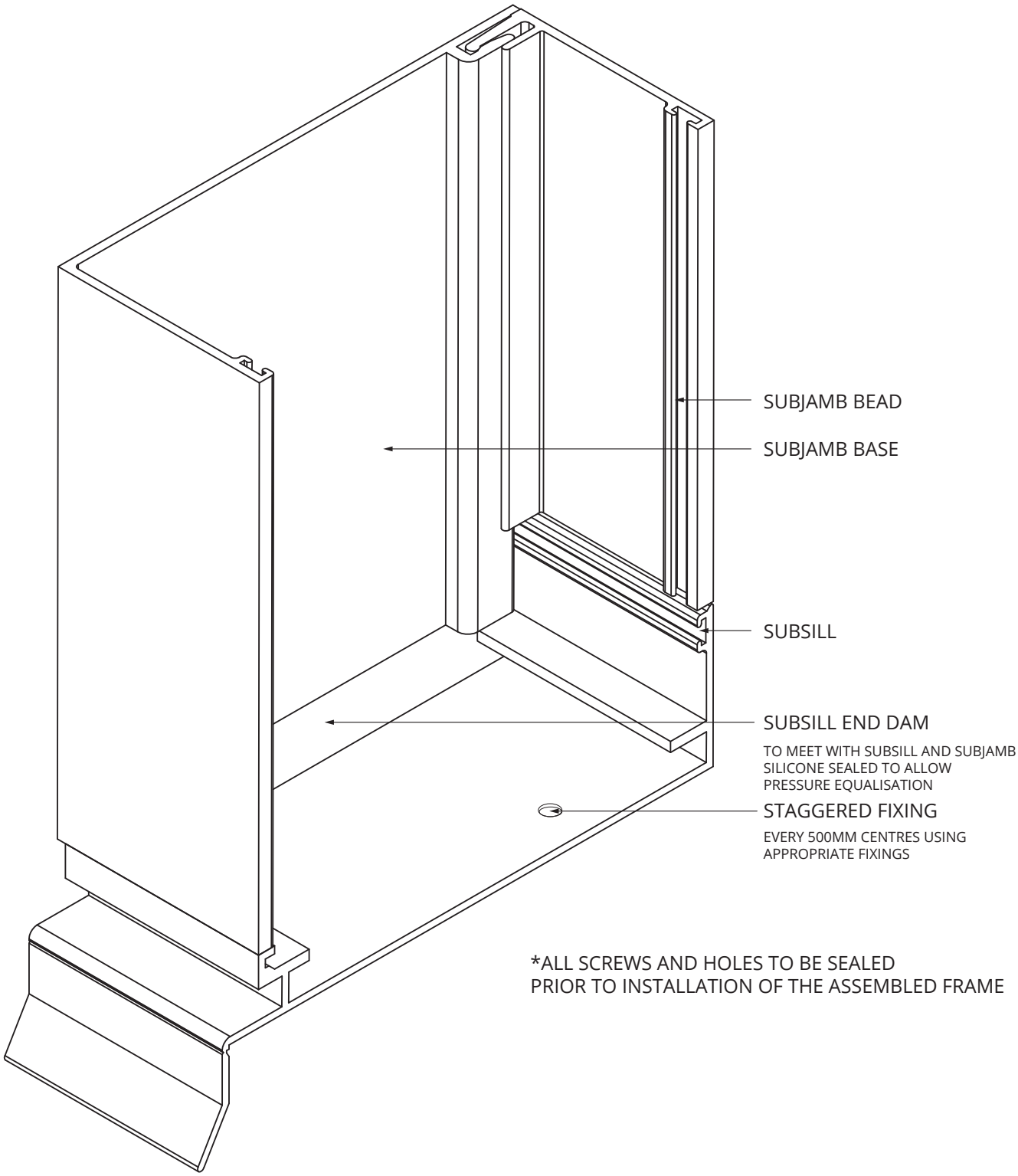




See also: Disclaimer and Copyright information on page 3

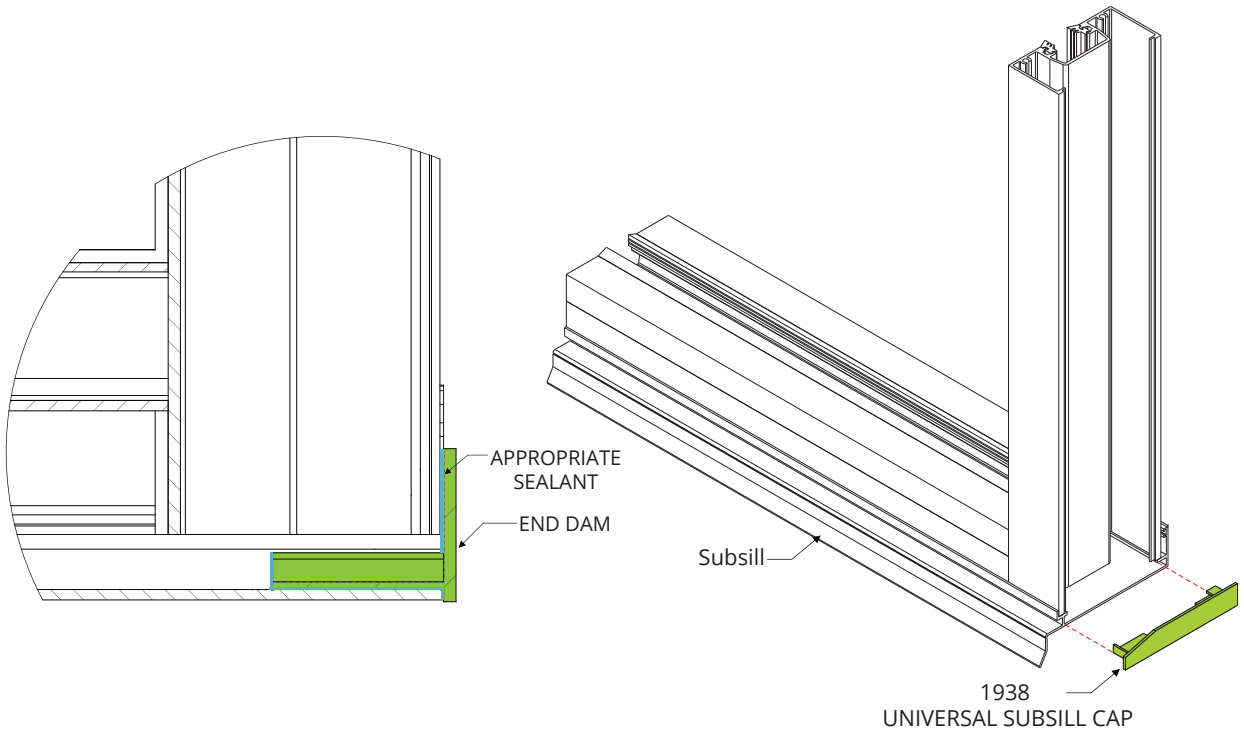
Subsill End-Dam Installation

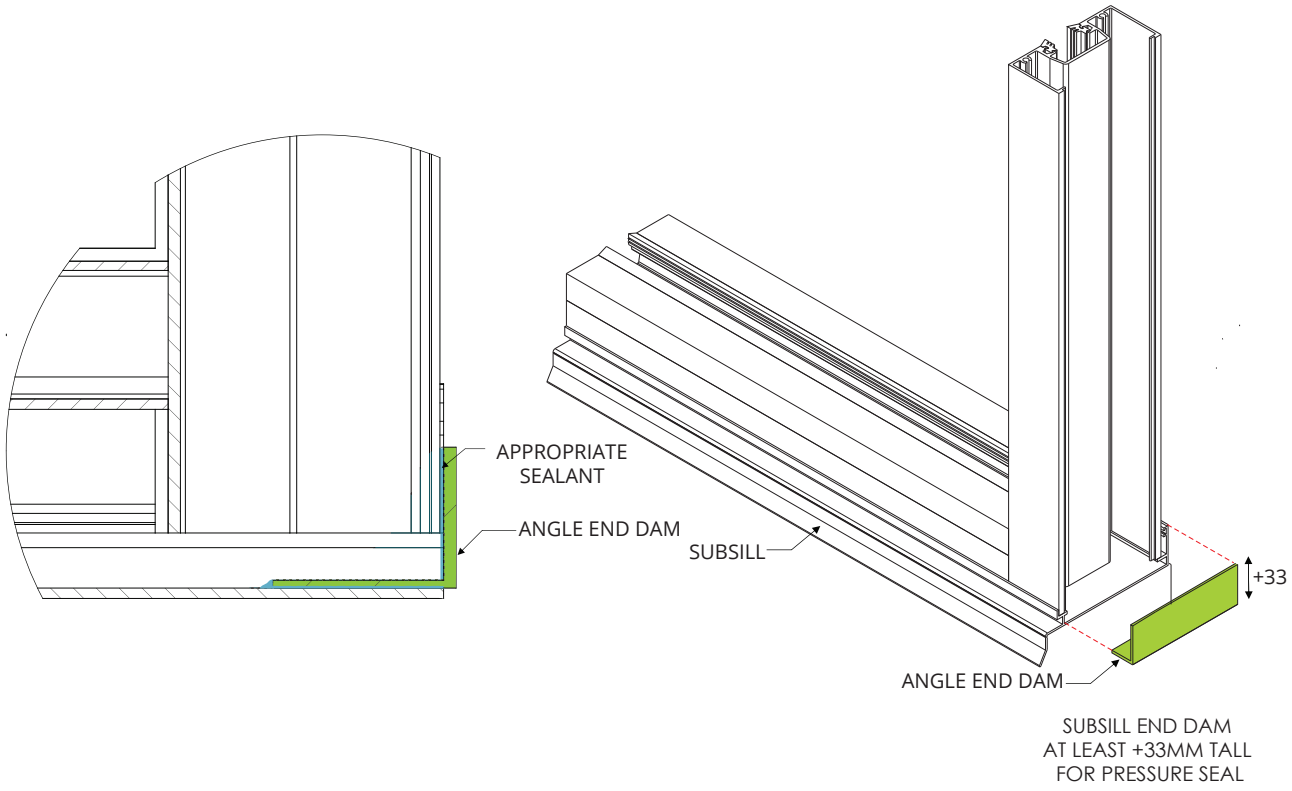
All raw joints need to be sealed with small joint sealer or foam tab option.



See also: Disclaimer and Copyright information on page 3

All raw joints need to be sealed with small joint sealer or foam tab option.

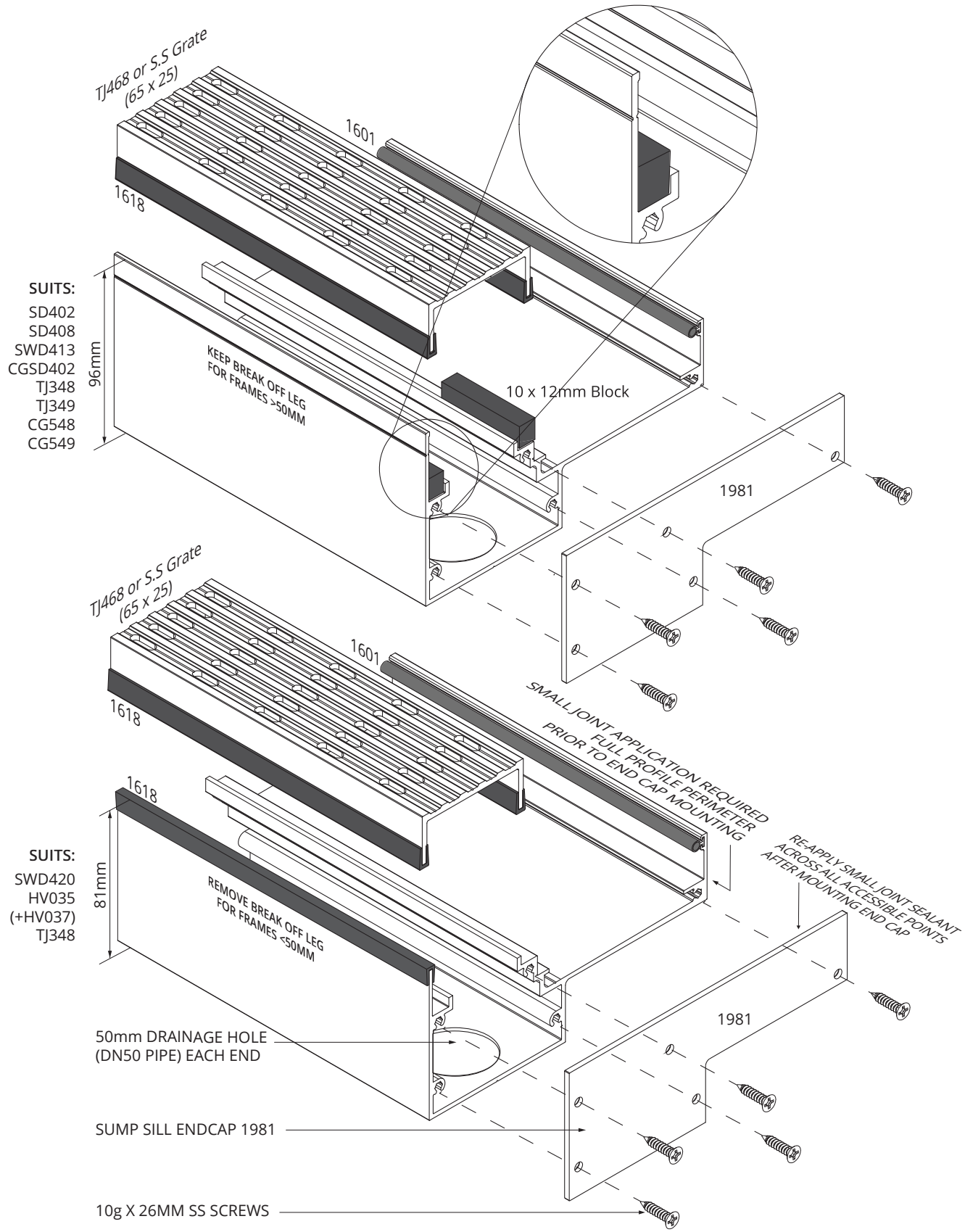




See also: Disclaimer and Copyright information on page 3

100mm Sump Sill

All raw joints need to be sealed with small joint sealer or foam tab option.

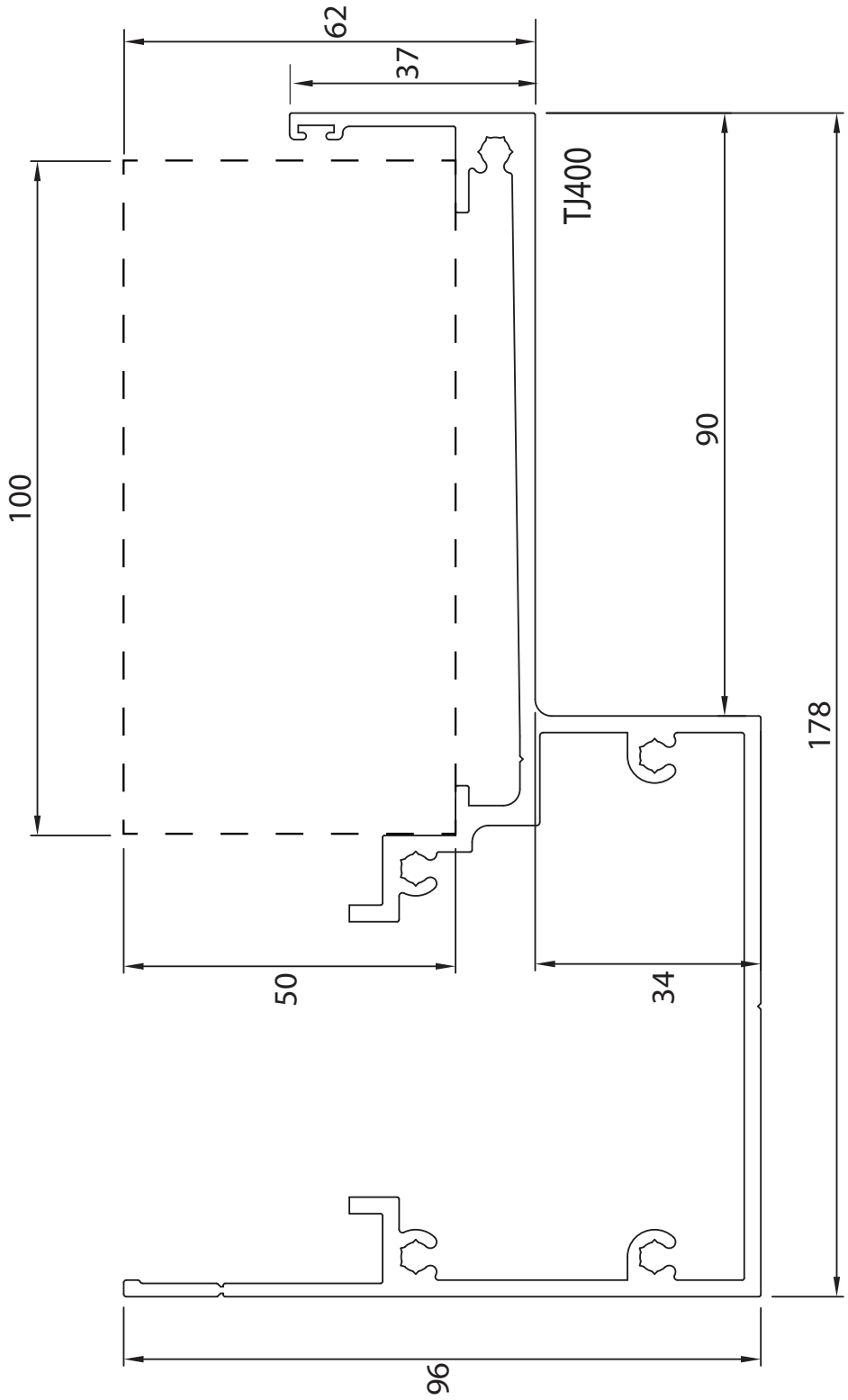


See also: Disclaimer and Copyright information on page 3

Fabrication

TJ400 Slab Recess Details (1:1)

All raw joints need to be sealed with small joint sealer or foam tab option.



See also: Disclaimer and Copyright information on page 3

All raw joints need to be sealed with small joint sealer or foam tab option.

Tooling

BDX-CV-CSG/H/AW

CSG Frame / Hinged /Hook Awning

CSG301	100mm Standard Main Frame
CSG303	CSG Bead
CSG303B	CSG Sloped Bead
CSG304	Glazing Adaptor
CSG320	Standard Duty Self Mating Mullion
CSG333	Heavy Duty Self Mating Mullion
CSG360	100mm Centre Glazed Slim Frame
CSG362	CSG Transom/Sill
CSG390	100mm Light Duty Frame
CSG601	150mm Standard Main Frame
CSG603	CSG Bead
CSG604	Glazing Adaptor
CSG633	Self Mating Mullion
CDG4301	100mm Centre Double Glazed Main Frame
CDG4303	Sill Bead
CDG4303M	Sill Sloped bead
CDG4304	Glazing Adaptor
CDG4310	Male Split Mullion
CDG4311	Female Split Mullion
CDG4312	H/D Male Split Mullion
CDG4313	H/D Female Split Mullion
CDG4314	Male Light Split Mullion
CDG4315	Female Light Split Mullion
CDG4390	Transom/Sill
CDG6501	150mm Centre DG Main Frame
CDG6503	Sill Bead
CDG6504	Glazing Adaptor
CDG6510	Male Split Mullion
CDG6511	Female Split Mullion
CDG6512	H/D Male Split Mullion
CDG6513	H/D Female Split Mullion
HV271	Door Stile
HV272	Hinge Stile
HV273	Large Rail
HV275	Large DG Rail
HV277	Small DG Rail
HV289	Small Rail
HV291	DG Stile
HV322	Sliding Door stile
TJ154	114mm Hinge Stile
TJ155	114mm Lock Stile
TJ158	114mm Pivot Stile
TJ159	114mm Sliding Stile
TJ311	Hinge Stile
TJ312	Lock Stile
TJ313	Door Top Rail
TJ315	Door Bottom Rail
TJ322	Sliding Door Stile
TJ327	Meeting Stile
TJ416	73mm Open Pocket Sliding Stile
TJ417	73mm Open Pocket Hinge Stile
TJ418	73mm Open Pocket Lock Stile
TJ419	DG Top Rail
TJ420	DG Bottom Rail
TJ428	114mm Open Pocket Sliding Stile
TJ435	114mm Open Pocket Hinge Stile
TJ436	114mm Open Pocket Lock Stile
TJ437	114mm Open Pocket Plain Stile
TJ440	73mm Open Pocket Lock Stile
TJ441	73mm Open Pocket Hinge Stile
TJ443	73mm Open Pocket Sliding Stile
TJ444	73mm Open Pocket Plain Stile
TJ450	73mm Open Pocket Meeting Stile
TJ451	114mm Open Pocket Lock Stile
TJ452	114mm Open Pocket Hinge Stile
TJ453	114mm Open Pocket Sliding Stile
TJ725	114mm Open Pocket Plain Stile
TJ737	Flyscreen Adaptor/Winder Support
TJ742	Awning Stile/Rail
TJ747	Hook Awning Sash Rail
TJ749	Hook Awning Sash Stop

BDX-CV-CSG/H/AW tool set information

Weight	900kg
Dimensions	1420 x 1140 x 800mm (H x W x D)
Outriger	Yes

See also: Disclaimer and Copyright information on page 3

Tooling

All raw joints need to be sealed with small joint sealer or foam tab option.

CARE & MAINTENANCE

KlassicView / CityView / ClimateGuard

Tooling Operation Manual

The following guidelines should be observed to ensure safe and efficient use, longevity and quality production.

All users are responsible for the safe operation and maintenance of tools.

* Read the entire Manual before starting machinery. Machinery may cause serious injury if not correctly operated.
* Never leave machine unattended. Turn power off and wait until machine has come to a complete stop before leaving the machine unattended.
* Disconnect main power before servicing machine. Make sure all power switches are in the off position and air disconnected and make sure all moving parts have come to a complete stop.
* Keep machine well-guarded. Do not remove guards and ensure all guards are in place prior to operation.
* Electric pump will shut down to prevent further damage if there is not enough lubricant.

General Maintenance:

* Please keep tooling lubricated. We recommend using kerosene poured into a spray bottle. Lubricate all pins & blades before starting the machine. (PIC 1)
* We also recommend fortnightly cleaning and lubrication of the guide pins and bushes at the front and rear on both decks. (PIC 2)

  Note! Do not use silicon based lubricant under any circumstances as this will build up on the cutting edges of the tool and result in shorter operating life and poor quality results.

Operation:

* Check machine over before operating. Check machine for damaged parts, loose bolts, loose connections, keys and wrenches left on the machine and any other conditions that may affect the machines operation. Repair and replace damaged parts.
* Do not use extrusion that are not specified for this machine.
* Do not use burred, heavy coated or bent extrusions or force extrusions into the tool.

  Note that manufacturing tolerance on aluminium can vary. Never hit or force extrusions into die guides.
* While operating do not remove guards and always keep hands outside of the guards.
* Empty swarf trays when required to prevent build up obstructing clearance of discarded aluminium.

  Periodically, the die and punches will need sharpening. This must be carried out by experienced toolmaker.

See also: Disclaimer and Copyright information on page 3

Tooling

All raw joints need to be sealed with small joint sealer or foam tab option.

CARE & MAINTENANCE

Exchange or replace die:

* This is only to be carried out by suitability qualified persons:

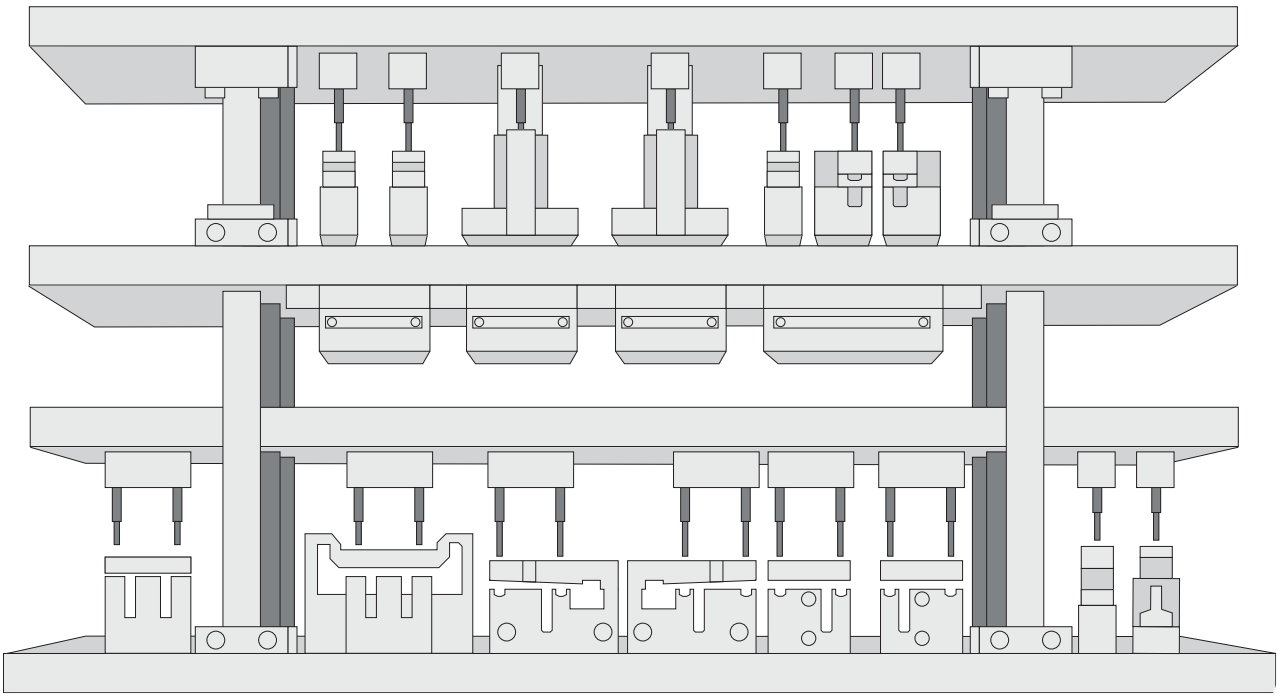
1. Switch off the machine and isolate power point. Removing front covers and swarf trays.
2. Remove top and bottom screws from the die. Carefully take out the old die block.
3. Reconnect the power and switch on the machine. Turn to INCHING MODE, press foot valve to ensure the machine desk is on lowest level.
4. Placing the new block and pins units inside and fixed back into their original positions, then release the inching mode back to operation mode.

Ordering procedure for Replacement or spare parts:

* Please provide following details to your sales representative

- Machine serial number:
- Port (DIE) location:
- List of extrusion involved:
- Take photo of the issues:

(PIC 1) Lubricate all dark grey areas fortnightly with kerosene



See also: Disclaimer and Copyright information on page 3

DARLEY ALUMINIUM

AUSTRALIAN GLASS & WINDOW ASSOCIATION MEMBER

Heating Cooling WINDOW ENERGY RATING SCHEME®

Darley Aluminium

Darley Aluminium are long standing members of various industry associations including the Australian Glass & Window Association (AGWA) and the Window Energy Rating Scheme (WERS) and as such we conform to an Industry Code of Conduct designed to protect consumers.

Manufacturing Standards;

All aluminium extrusions supplied to by Darley Aluminium have been supplied in accordance with Australian Standard AS1866 – 'Aluminium and Aluminium alloy: Extruded rod, bar, solid and hollow shapes'. All Anodised and Painted Extrusions are as per AS1231 Aluminium and Aluminium Alloys – 'Anodic Oxidation Coatings' and AS3715 – 'Metal Finishing-Thermoset Powder Coatings for Architectural Applications of Aluminium and Aluminium Alloys'.

Product Testing and Compliance;

Darley Aluminium products are tested in NATA accredited independent laboratories to ensure they meet the relevant Australian Standards. Energy ratings can also be found on the Window Energy Rating Scheme (WERS) website: https://agwa.imiscloud.com/WERS/

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Fax: (07) 3287 2088
saleqld@darleyaluminium.com.au

Warranty

Darley Aluminium, Door & Framing extrusions are warranted for a period of 6 years as per AS2047 requirements, unless otherwise specified. Powder coat and anodised finished can be warranted for extended periods subject to application. Warranty is subject to the following conditions:

- ☐ The product is installed in accordance with the relevant Building Codes practices and maintained as per the recommended Care & Maintenance.
- ☐ The product has not been subject to misuse, physical abuse or neglect.
- ☐ Claims under this warranty should be made within one month of defect arising in the product.
- ☐ A documented maintenance schedule is required to obtain extended warranty.

Care & Maintenance

- ☐ A gentle wash with a soft non-abrasive brush or cloth using a mild detergent followed by a fresh water rinse will maintain the long term performance of the powder coat or anodised finish.
- ☐ If paint splashes, sealants or other residue need to be removed, then methylated spirits or white spirits can be applied with a soft cloth and gentle wiping only.
- ☐ In rural or normal urban environments, cleaning should occur at least every 12 months.
- ☐ In areas of pollution, industrial or coastal areas back one kilometre from the water, cleaning should occur at least every 3 months.
- ☐ In hazardous locations such as beachfronts, severe marine environments or areas of high industrial pollution, the frequency of cleaning should be increased to monthly.
- ☐ Special maintenance may be required in some extended warranty applications.

Tracks Keep tracks free from obstruction and excessive dirt or water.

Guides and Spindles To be greased with good quality automotive grease every 6 months.

Rollers As per manufacturer's instructions.

Hinges, Hangers & Flush Bolts Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. Apply a light application of non-corrosive preventative lubricant to all surfaces and internals, using a dry cloth to remove excess. Repeat at intervals no greater than 3 months.

Seals and PVC Product An occasional wipe with a damp cloth or a wash with warm soapy water is all that is required.

Glass Simply wipe over the surface with a few drops of methylated spirits on a damp cloth, then polish the surface with a dry, lint-free, non-abrasive cloth.

Ver 3: August 2023

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Release Notes

Darley Aluminium
Commercial Framing 101.6 x 50mm Centre Double Glazed

1.Technical Manual Release Notes

This page is intended to record all changes to the 101.6 x 50mm Centre Double Glazed technical manual pages. Changes or additions to this manual will be itemised with a brief description and date when the amendments were made. It is important that a copy of the page be issued with the update and inserted as the first page in the customers technical manual.

ISSUE	DATE	DESCRIPTION OF CHANGE	REFER TO SECTION

Darley Aluminium delivers complete, high-performance aluminium window, door and framing solutions for residential, commercial or architectural projects - combining Australian design, reliable supply, and expert support to make every project easier.

Window, Door and Framing

CityView™
Commercial Systems

High-performance commercial window, door and framing systems designed for flexibility, durability, and seamless integration into modern architectural projects.

KlassicView™
Residential Windows & Doors

Modern, versatile window and door systems that bring style, flexibility, and reliable performance to any home.

HarbourView™
Multi-fold Doors

Premium multi-fold door systems that deliver expansive openings, smooth operation, and architectural sophistication for high-end spaces.

ClimateGuard™
Thermally-broken Windows & Doors

Energy-efficient window and door systems designed to keep interiors comfortable while reducing heat transfer.

Security

ScreenGuard™
Stainless Steel Security

Advanced heavy-duty security screens that provide maximum protection without compromising visibility, airflow, or style.

PerfGuard™
Perforated Aluminium Mesh

Durable, corrosion-resistant aluminium screening that combines security, strength, and design versatility for any application.

Outdoor Screening and Enclosure

ScreenView™
Fly Screens & Fly Doors

Durable, all-weather enclosures that let you enjoy open-air living with protection from insects and the elements.

ScreenSmart™
Easy-to-install Screening

A sleek, easy-to-install screening solution that enhances privacy and style across any space.

What sets Darley Aluminium apart?

- **Complete Solutions -** Everything you need from system to support that simplifies specification, fabrication, and installation.
- **Australian Designed -** Built for local conditions and standards, delivering lasting quality and compliance.
- **Proven Reliability -** Trusted for over 30 years with a national distribution network delivering consistent supply and dependable service

DARLEY ALUMINIUM

Darley Aluminium understands how important it is to receive trusted solutions, quality products, and reliable supply. That's why we are committed to delivering high standards and friendly, dependable service you can rely on.

Contact your local Darley Aluminium distributor or fabricator today.

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