

TECHNICAL MANUAL

53mm Fixed Framing System

150mm

101.6mm

76mm

53mm



Structural Deflection
Tested Pressure (Pa)



Air Infiltration
Leakage at 150 Pa



Water Rated
Tested Pressure (Pa)



Ultimate Strength
Tested Pressure (Pa)



U Value
3.9 - 6.0

Max
10mm



Self
Draining

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 Occasionally, some errors or outdated information may require rectification - Darley Aluminium takes no responsibility for any loss or damage as a result of these errors.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), AS 3959 (BAL) and WERS (Window Energy Rating Scheme).

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.

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Contents

Introduction	6	Glazing	22
Welcome	6	Glazing	22
Overview	6	Glass & Rubber Combinations	22
Design Features.....	6	Energy Ratings Definitions	23
Performance Summary	6	Energy Ratings	24
System Requirements.....	6		
Fabrication	7	Performance	25
Configuration	7	Test Results	25
General Configuration	7	Structural Test Report	25
Cross Sections	8	Strength Charts	26
Head and Sill Option	8	Mullion Strength Chart: RWM040 +	
Transom Options: Highlight / Lowlight .	9	RWA016 x 2	26
Jamb Option	10	Mullion Strength Chart: RWM041 +	
Mullion Option: Standard Duty	10	RWA016 x 2	27
Additional Frame Options.....	11		
Hardware	14	Appendix	28
Small Parts	14	Section Profiles	28
Machining.....	15	Mainframe Profiles	28
Cutting Formula: Single Panel.....	15	Additional Profiles.....	29
Cutting Formula: Single Sidelight.....	16	Subframing Profiles	34
RWA016 Fixed Light Head & Sill.....	17	Maintenance & Warranty.....	35
RWA016 Continuous Head & Sill F/F using			
RWM040 Joiner	17		
RWA016 Continuous Jamb.....	18		
Assembly	19		
Exploded Assembly Overview.....	19		
Mullion Assembly	20		
Corner Plate Assembly.....	21		

Welcome

Overview

Darley Aluminium's KlassicView 53mm Fixed Framing is the ideal solution to many residential or low end commercial requirements. The system works seamlessly within the 53mm suite and can also be combined with other Darley systems such as the 76mm suite and commercial suites. Featuring continuous jamb possibilities, the system can achieve a seamless highlight or lowlight for the ultimate outside view.

Easily assembled, all of Darley's 76mm and 53mm range can be purchased either in standard lengths, or as a flatpack kit where tooling or time constraints exist. Designed for Australian climatic conditions, the KlassicView 53mm Sliding Window has been tested and exceeds Australian Standard AS20147.

Design Features

- Accepts glass thickness from 4mm to 10.38mm
- Configurations include a variety of highlight, lowlight and sidelight options
- Compatible with other Darley Aluminium KlassicView and Commercial Systems with the use of adaptors
- Tested and Approved by an independent NATA accredited laboratory

Performance Summary

- Tested overall unit height of 1260mm
- Tested overall unit width of 1800mm (900mm between mullions)
- Serviceability: 2460Pa Positive and Negative at 1/180 deflection ratio
- Air Infiltration: 0.11 L/s.m² Positive and 0.07 L/s.m² Negative @ 150Pa
- Water Penetration: 300Pa
- Ultimate: 3000Pa Positive and Negative
- (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.

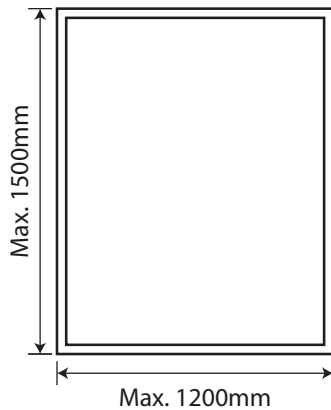
System Requirements

- Engineering, manufacture and installation of frames must meet requirements of:
 - AS2047 (Windows in Buildings)
 - AS/NZS 1170 (Loading Code)
- Glazing selected must meet requirements of AS1288 (Glass in Buildings)

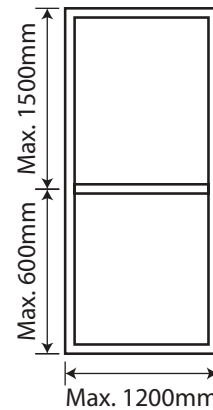
Configuration

General Configuration

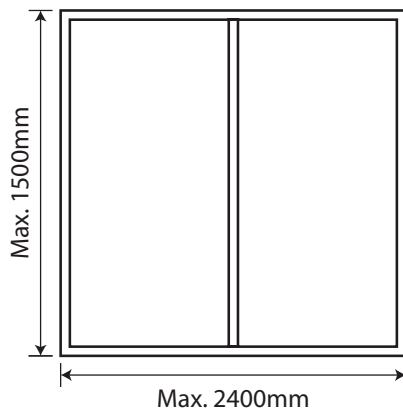
Fixed (F)



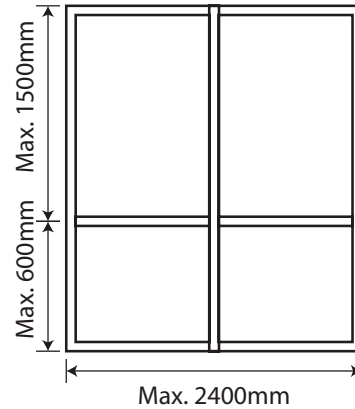
Fixed (F)



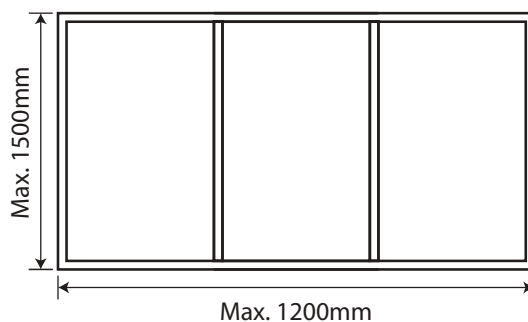
Double Fixed (FF)



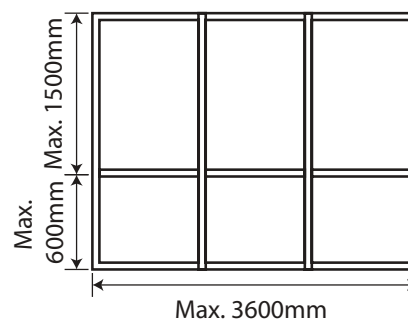
Double Fixed with Lowlights



Triple Fixed (FFF)



Triple Fixed with Lowlights



NOTES:

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.

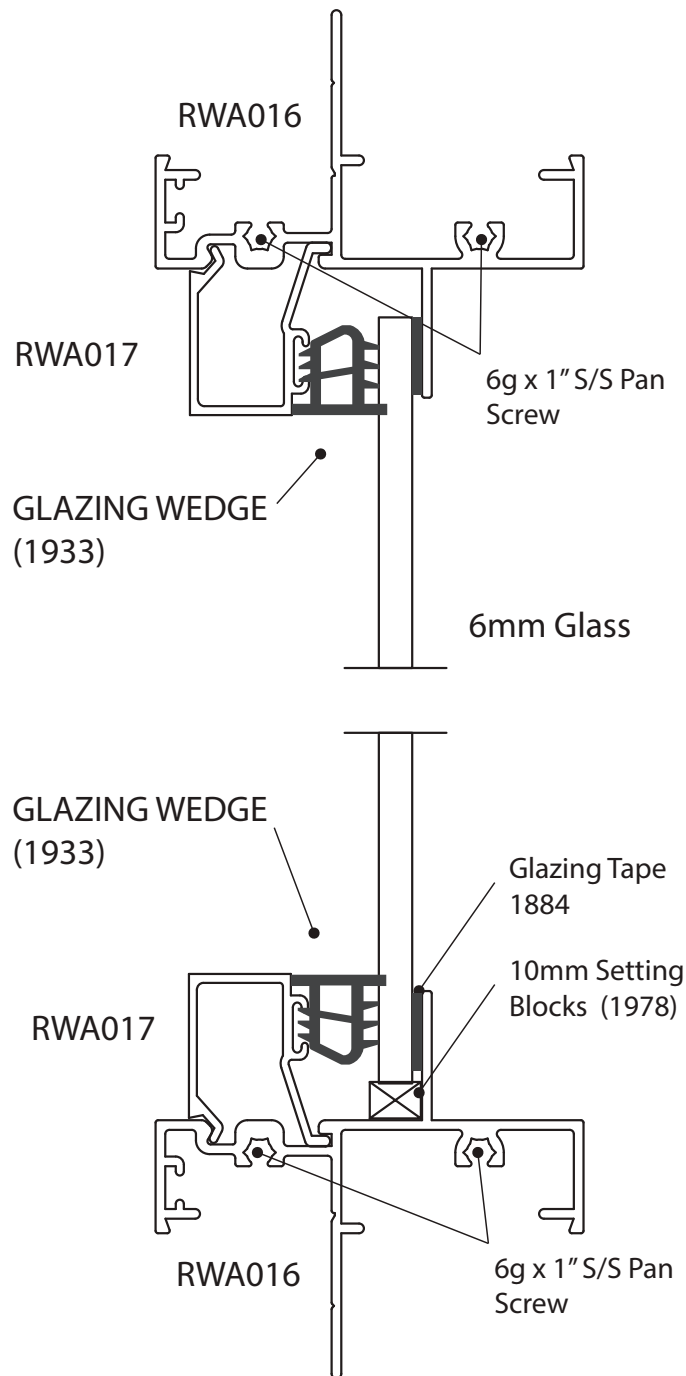
N.B.

- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.

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

Cross Sections

Head and Sill Option



NOTES:

Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288.

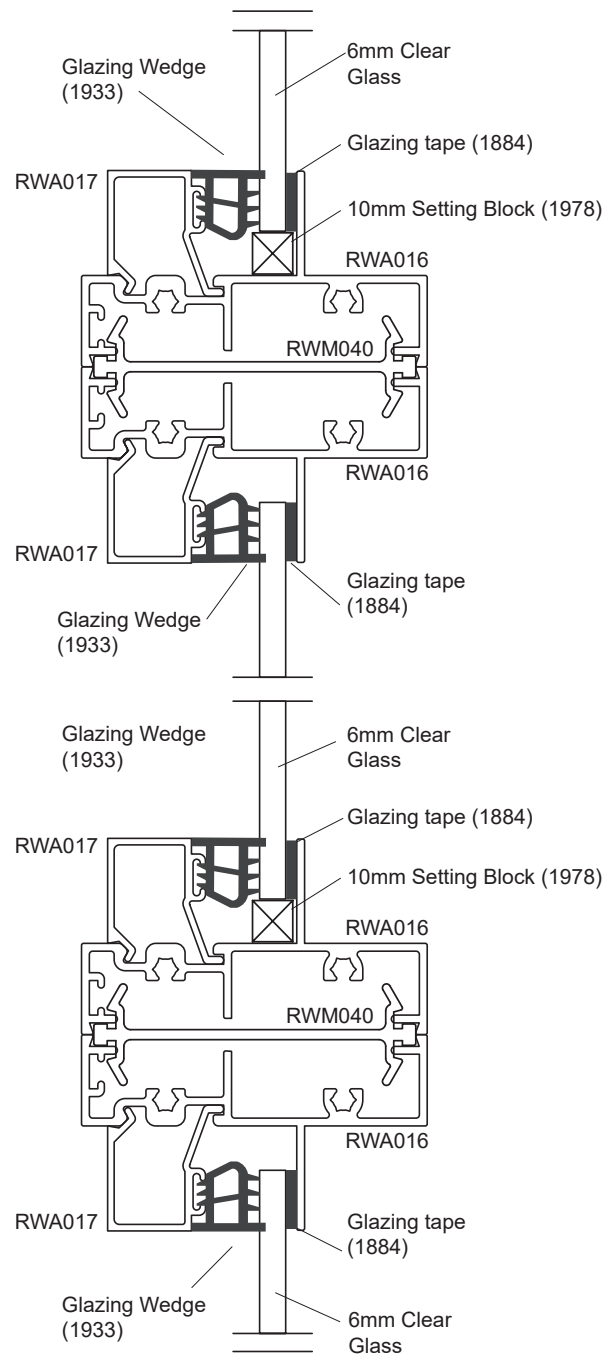
Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.

N.B.

- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.

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

Transom Options: Highlight / Lowlight



NOTES:

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.

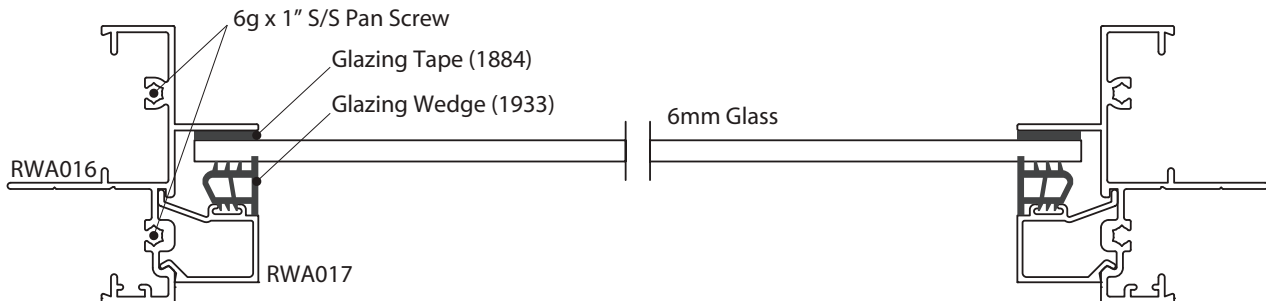
N.B.

- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.

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

Jamb Option

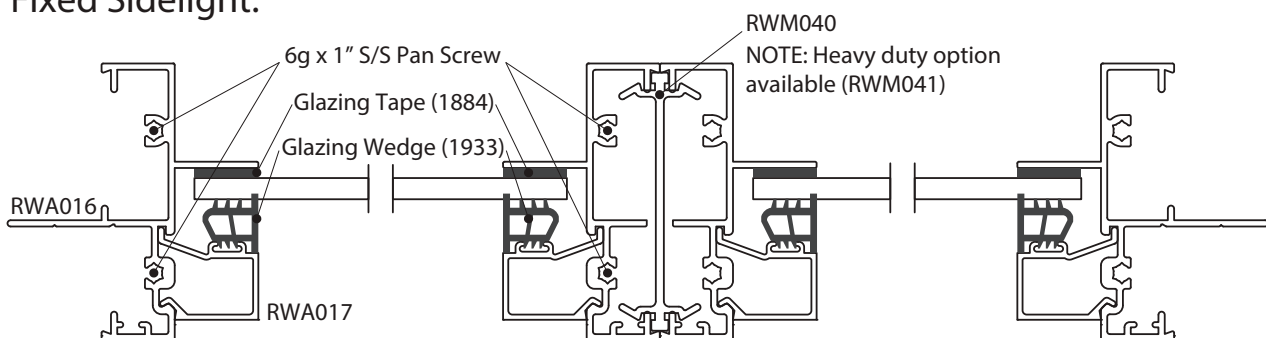
Single Fixed Light:



Fabrication

Mullion Option: Standard Duty

Fixed Sidelight:



NOTES:

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.

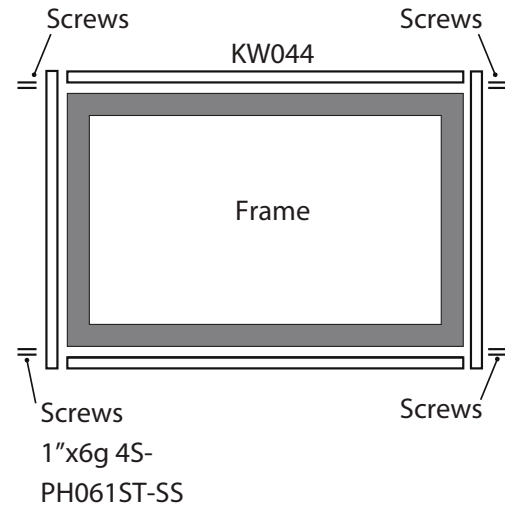
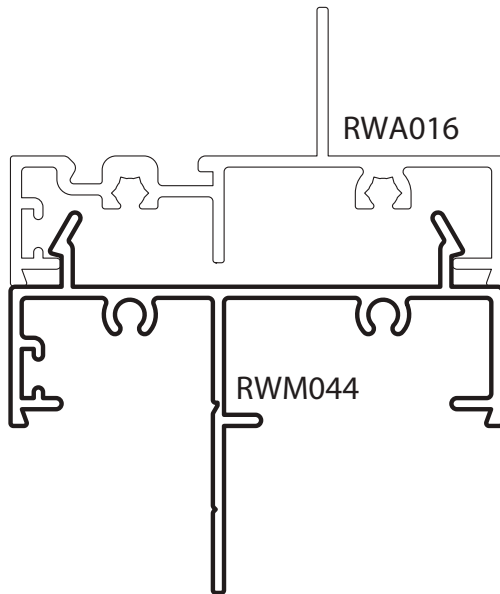
N.B.

- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.

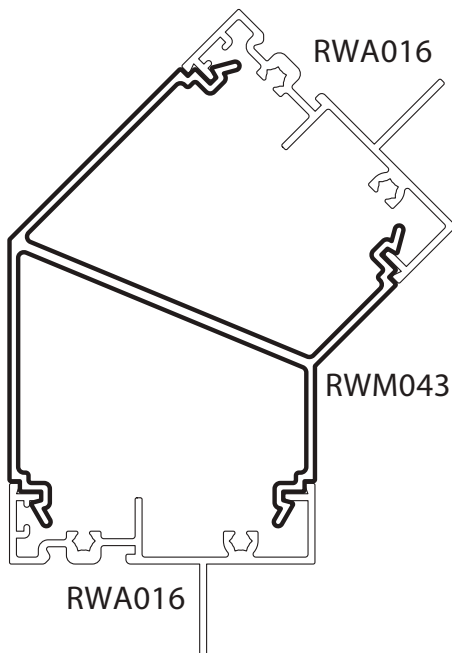
- All raw joints need to be sealed with small joint sealer or foam tab option.

Additional Frame Options

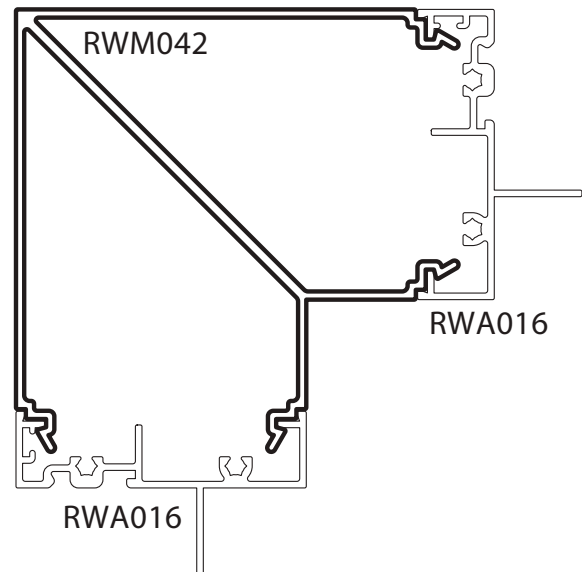
RWM044 Frame Extender



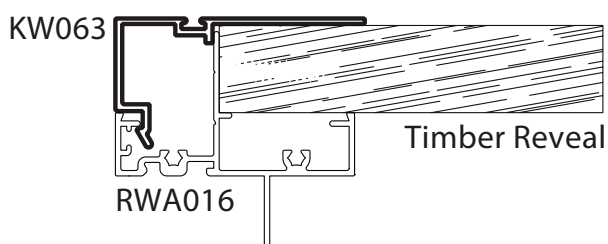
RWM043 45 Degree Corner Post



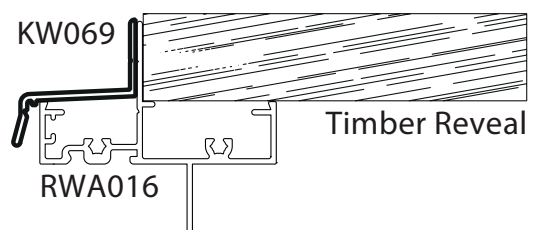
RWM042 90 Degree Corner Post



KW063 Inline Reveal Adaptor

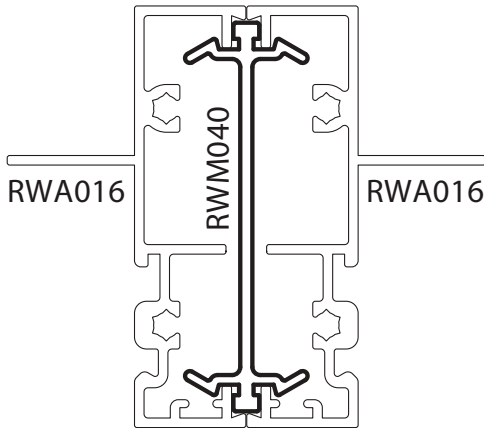


KW069 Drip Mould (Head Flashing)

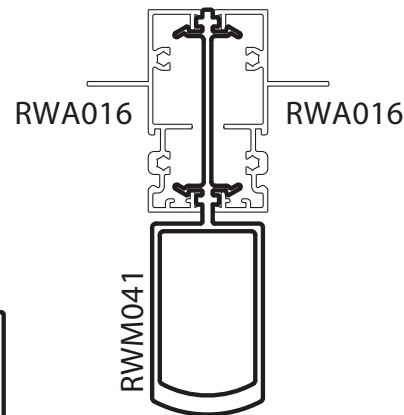


Additional Frame Options

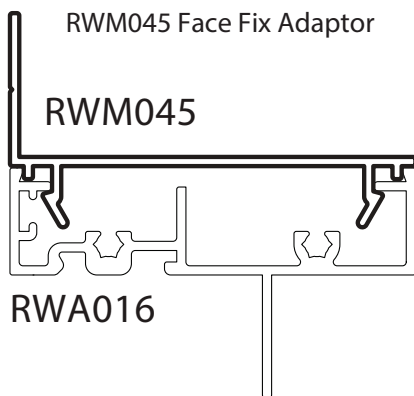
RWM040 Frame Joiner



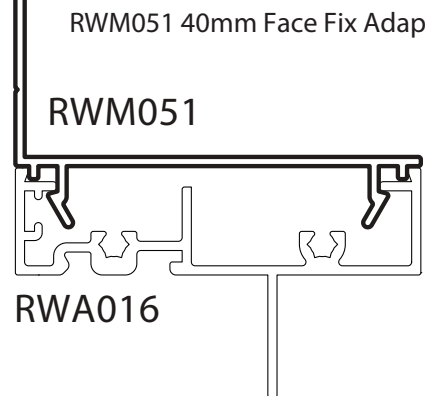
RWM041 Heavy Duty Frame Joiner



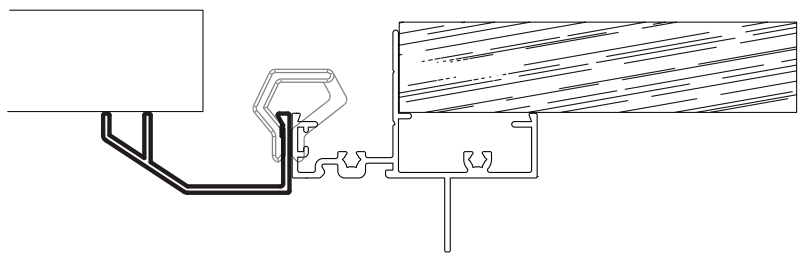
RWM045 Face Fix Adaptor



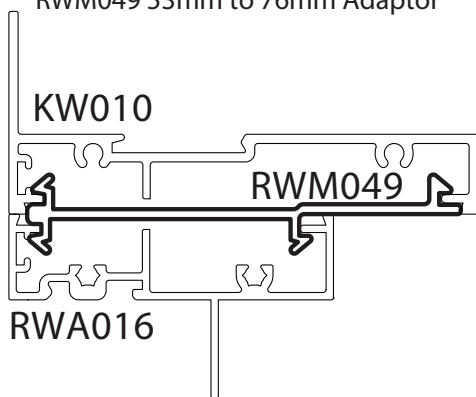
RWM051 40mm Face Fix Adaptor



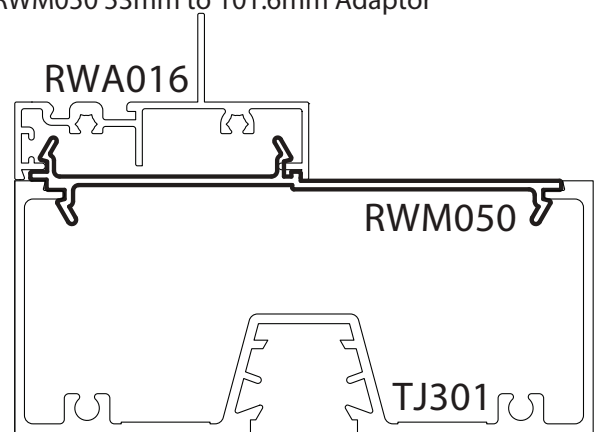
RWM047 Storm Mould



RWM049 53mm to 76mm Adaptor



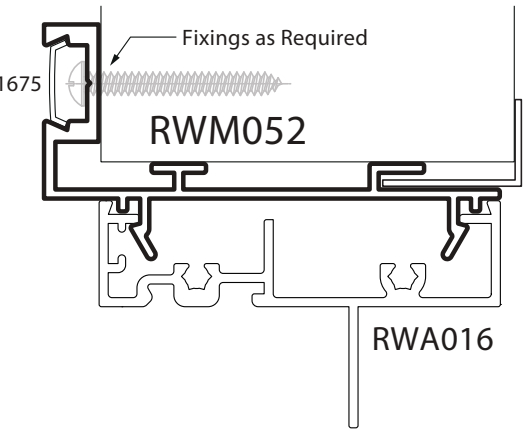
RWM050 53mm to 101.6mm Adaptor



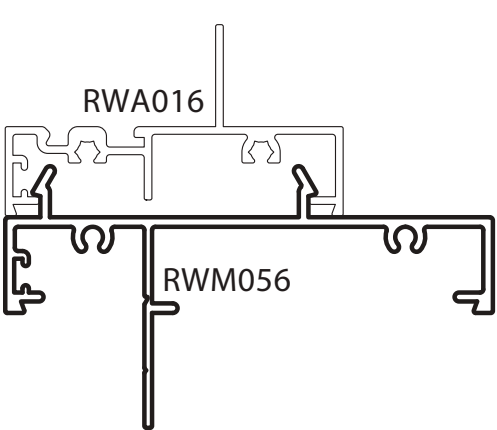
Fabrication

Additional Frame Options

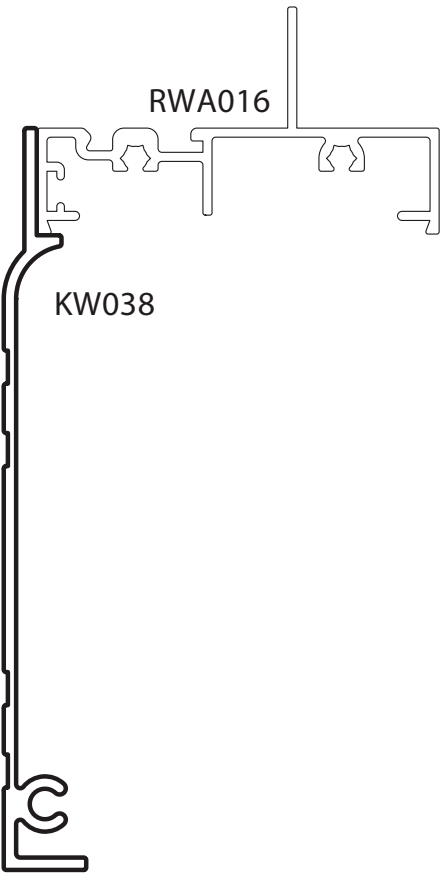
RWM052 53mm Concealed Faced Fixed Adaptor



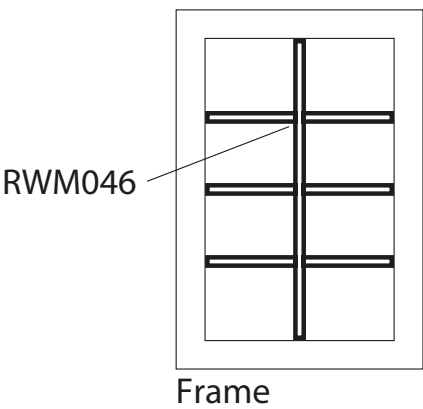
RWM056 53mm to 76mm Frame Extender



KW038 90mm Architrave



RWM046 Colonial Bar



Fabrication

Hardware

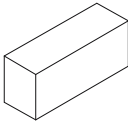
Small Parts



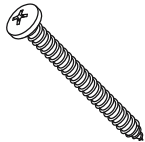
Glazing Wedge
Part No.:
4mm - 1931
5mm - 1623
6.38mm - 1933
8.38mm - 1615
10.38mm - 1625



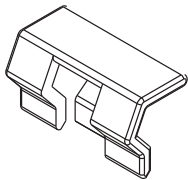
Glazing Tape
Part No. 1884



10mm Self Adhesive Block
Part No. 1978



Frame Screws
- 6gx1" S/S Pan
4S-PH061ST-SS
- 6gx2" S/S Pan
4S-PH062ST-SS



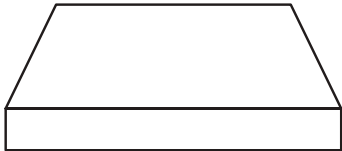
Storm Mould Clip
Part No. 1975



Drain Flap
Part No. 1925



Gasket
Part No. 1946

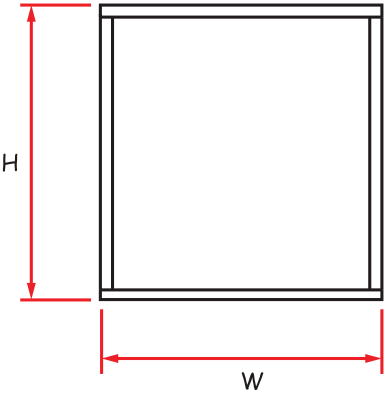


Finger-Jointed 138mmx18mm
Laminated Timber Reveal
Part No.
TR01-138T18M58

Fabrication

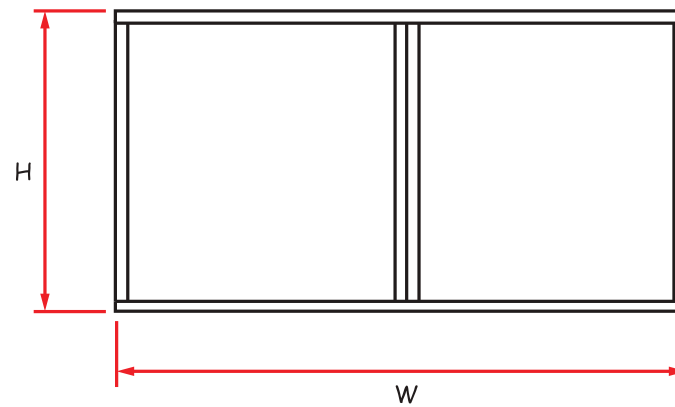
Machining

Cutting Formula: Single Panel



Code	Description	Quantity	Formula
RWA016	Fixed Window Head	1	Width
RWA016	Fixed Window Sill	1	Width
RWA016	Fixed Window Jamb	2	Height - 28
RWA017	Head/Sill Bead	2	Width - 28
RWA017	Jamb Bead	2	Height - 60
	Glass Height	1	Height - 42
	Glass Width		Width - 42

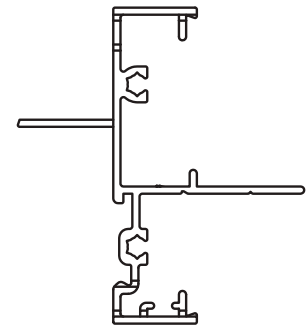
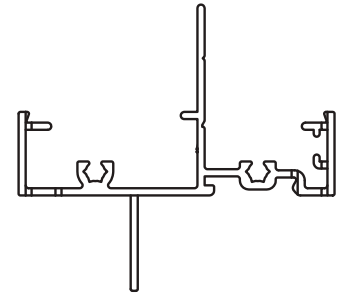
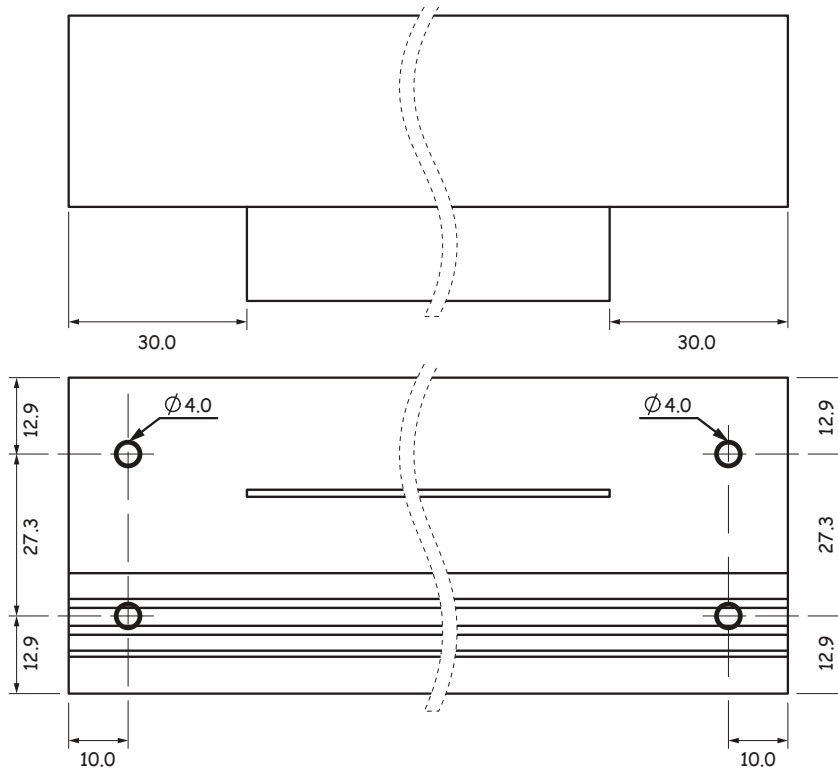
Cutting Formula: Single Sidelight



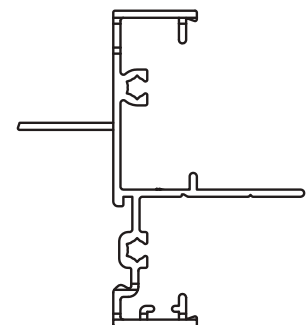
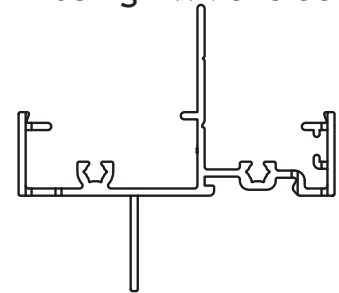
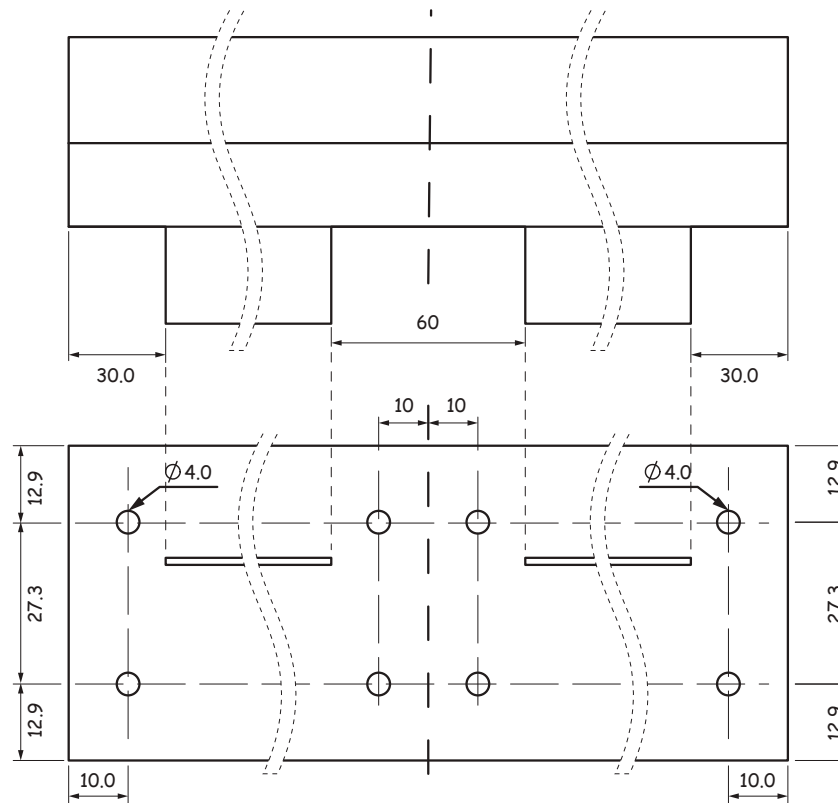
Code	Description	Quantity	Formula
RWA016	Fixed Window Head	1	Width
RWA016	Fixed Window Sill	1	Width
RWA016	Fixed Frame Jamb	2	Height - 28
RWA016	Fixed Mullion Jamb	2	Height - 28
RWA017	Head/Sill Bead	2	(Width/2) - 28
RWA017	Jamb Bead	2	Height - 60
RWM040	Frame Joiner*	1	Height - 28
	Glass Height	1	Height - 42
	Glass Width		(Width/2) - 42

***NOTE: Heavy Duty Frame Joiner RWM041 available (affects cutting sizes)**

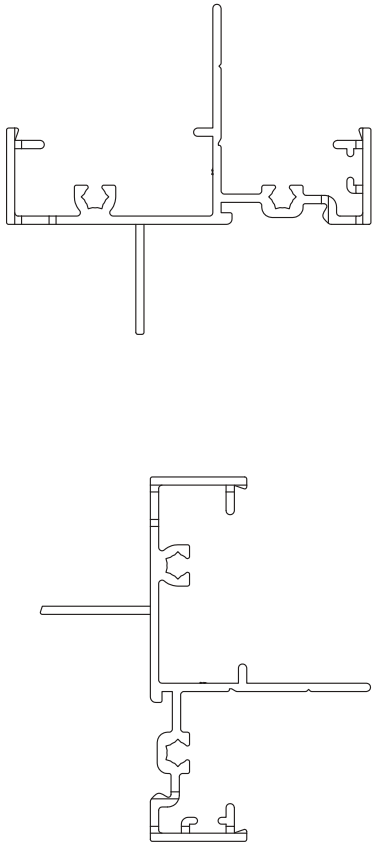
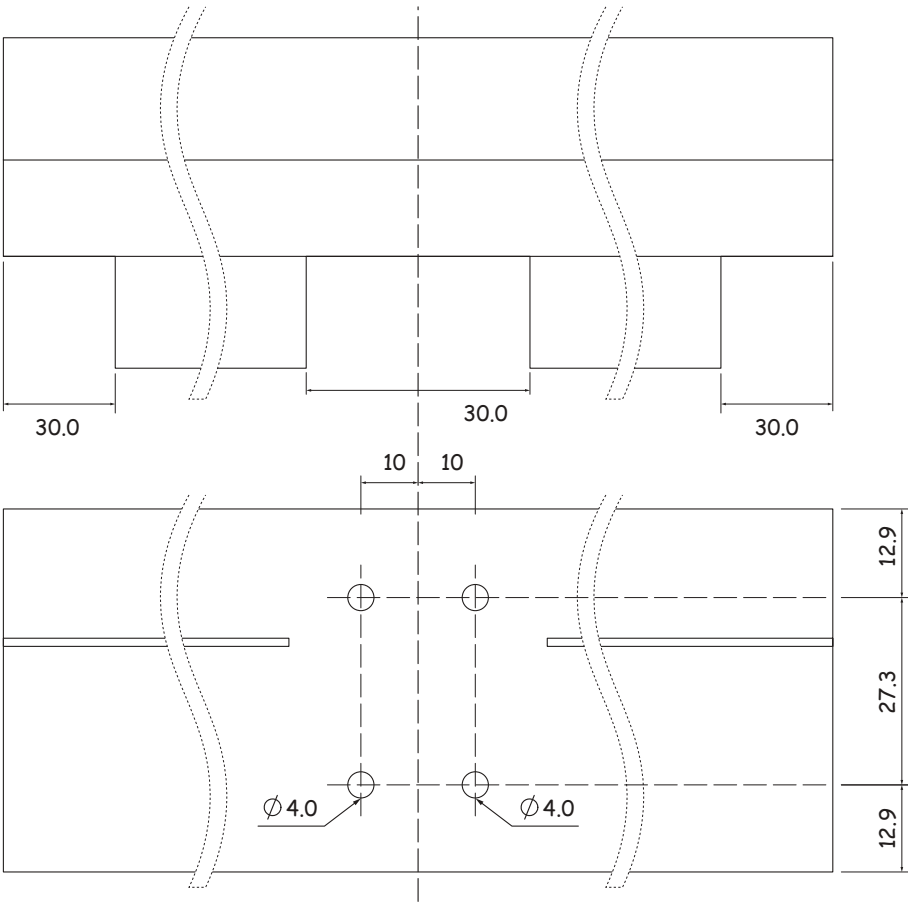
RWA016 Fixed Light Head & Sill



RWA016 Continuous Head & Sill F/F using RWM040 Joiner



RWA016 Continuous Jamb

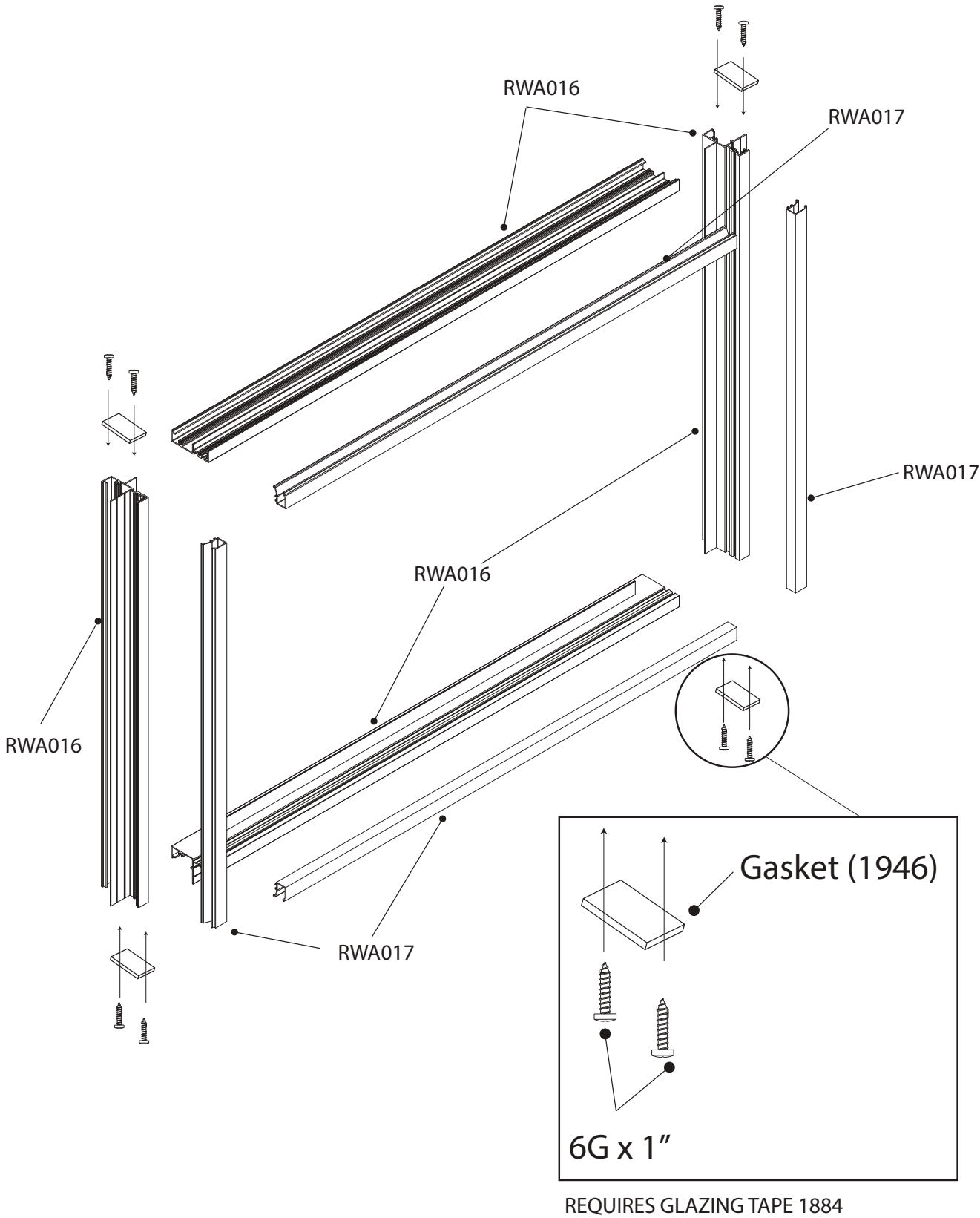


Fabrication

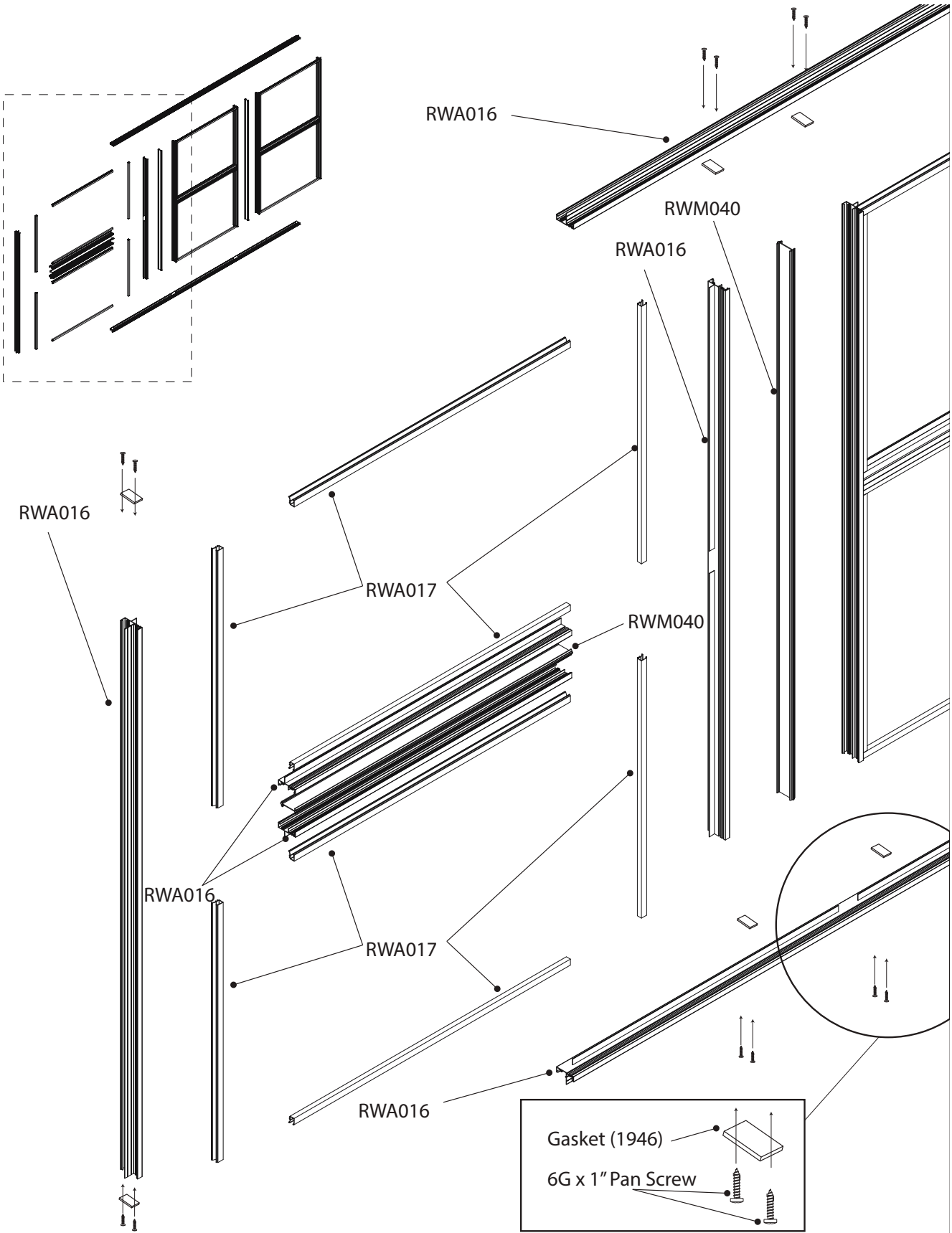
Assembly

Exploded Assembly Overview

Fabrication



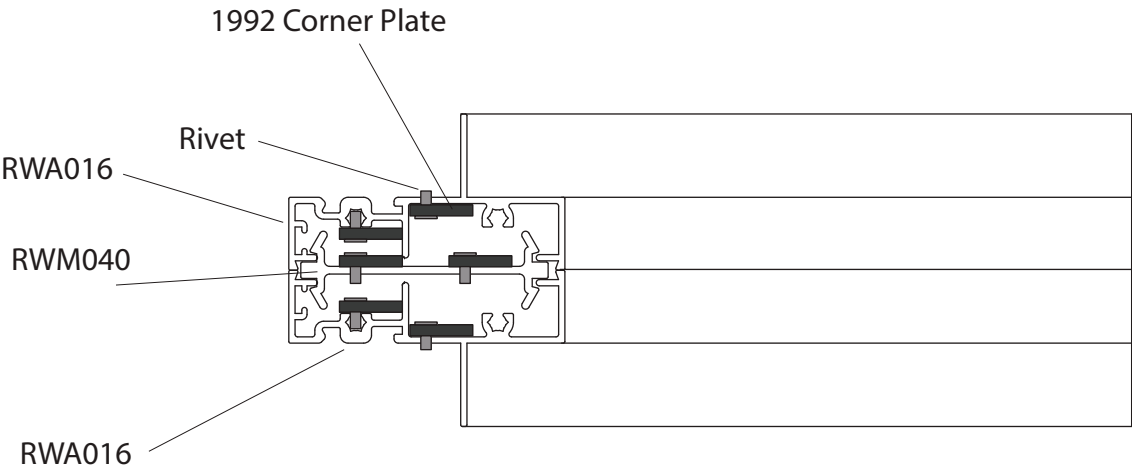
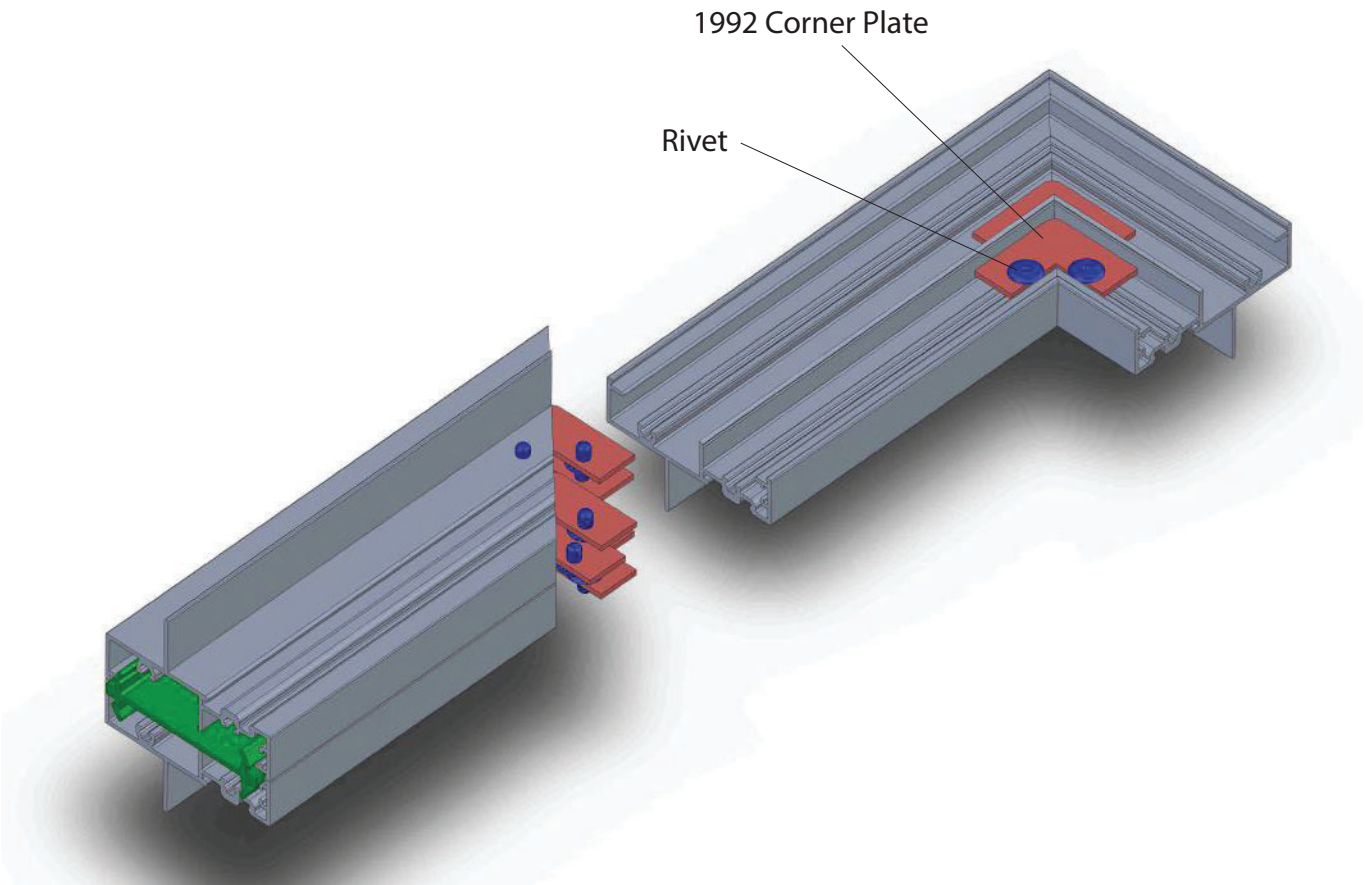
Mullion Assembly



Fabrication

Corner Plate Assembly

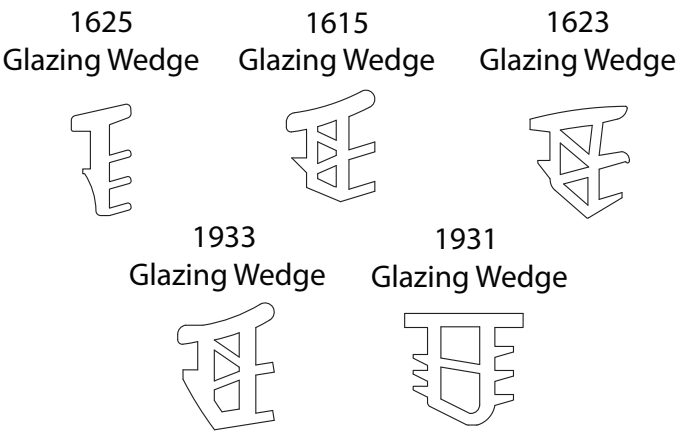
Fabrication



Glazing

Glass & Rubber Combinations

KlassicView			
53mm Fixed Framing			
Glass Thickness	Rubber / Tape Required	Bead Required	Pocket Size
4mm	1931 – 1884	RWA017	14 mm
5mm	1623 – 1884		
6mm	1933 – 1884		
8mm	1615 – 1884		
10mm	1625 – 1884		



Energy Ratings Definitions

All Darley products have been rated under the Australian Windows Energy Rating Scheme (WERS).

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/m² 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 frame, 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:

U_w is the value for the whole window and because of its 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 Ratings

Window ID	Glazing	Uw	SHGC
DAR-040-01	10.38TLam	5.7	0.59
DAR-040-02	10.38Sn	4.3	0.51
DAR-040-03	10.38VLamSpGn	5.7	0.47
DAR-040-04	10.38EVSpGn	4	0.33
DAR-040-05	10.38EVGy	4	0.36
DAR-040-06	10.38CPGy	3.9	0.43
DAR-040-07	10.38CPClr	3.9	0.59
DAR-040-08	10.38GyLam	5.7	0.54
DAR-040-09	10.38ClrLam	5.7	0.68
DAR-040-10	10Sn	4.3	0.53
DAR-040-11	6.38CPGy	3.9	0.46
DAR-040-12	6.38CPNtl	4	0.47
DAR-040-13	6.38CPGn	3.9	0.47
DAR-040-14	6.38CPClr	3.9	0.63
DAR-040-15	6.38Sn	4.4	0.53
DAR-040-16	6.38TLam	5.9	0.38
DAR-040-17	6.38SnGy	4.3	0.41
DAR-040-18	6.38VLamGy	5.9	0.57
DAR-040-19	6.38VLamClr	5.9	0.72
DAR-040-20	6ET	4	0.64
DAR-040-21	6Sn	4.4	0.55
DAR-040-22	6TS21Az	5.1	0.27
DAR-040-23	6EVSpB	4.1	0.34
DAR-040-24	6EVSpGn	4.1	0.34
DAR-040-25	6EVBG	4.1	0.42
DAR-040-26	6EVGy	4.1	0.38
DAR-040-27	6EVClr	4.1	0.57
DAR-040-28	5Clr	6	0.76
DAR-040-29	5Gy	6	0.56
DAR-040-30	5SpGn	6	0.51
DAR-040-31	4Clr	6	0.78
DAR-040-32	4Gy	6	0.61
DAR-040-33	4Sn	4.4	0.56
DAR-040-34	GW 6LoEi89	3.945	0.66
DAR-040-35	SOLOS 10.38KSLamGy	3.853	0.43
DAR-040-36	SOLOS 10.38KSLamClr	3.855	0.59
DAR-040-37	SOLOS 6.38KSLamGy	3.945	0.46
DAR-040-38	SOLOS 6.38KSLamNtl	3.967	0.47
DAR-040-39	SOLOS 6.38KSLamGn	3.94	0.47
DAR-040-40	SOLOS 6.38KSLamClr	3.937	0.63
DAR-040-41	SOLOS 6KSClr	3.955	0.64

KEY

Gy = Grey, Ntl = Neutral, Gn = Green, Clr = Clear, B = Blue, Bz = Bronze, Lam = Laminate, ComPls = Comfort Plus, SolT - SolTech, Sp = Super, ET = Energy Tech, EVan = Eantage, AZT = Solar Cool Azuria, Sngy = Sunergy.

NOTES

1. U is the whole window U-Value
2. SHGC is the whole window solar heat gain coefficient
3. Twv is the whole window visible light transmittance
4. Percentage improvement figures are compared with using base-case Generic Window 1 (3mm clear in standard aluminium frame)
5. A negative percentage improvement figure indicates performance worse than the base-case window
6. A positive percentage improvement figure indicates performance better than the base-case window
7. Maximum air infiltration is 5.0 L/s.m² at a positive pressure difference of 75Pa as measured according to AS 2047
8. Static performance (U, SHFC, Twv, Tdw) Calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
9. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (AccuRate)
10. Results disclosed at National fenestration Rating Council (NFRC) regulations

Test Results

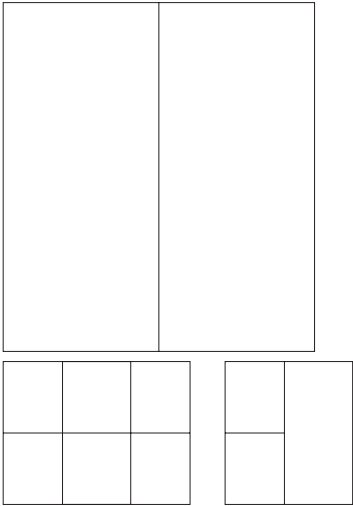
Structural Test Report

LABORATORY TEST RESULTS: KlassicView 53mm Fixed Frame

The following data was obtained from the results of the tests on the KlassicView 53mm as performed in the Azuma Testing Laboratory (NATA Accredited).

Test Report No. : AZT0222.14
Date: 25/07/2014

Test Size: 1260mm H x 1800mm W
Mullion Type: Standard Duty (RWA040)
Subsill Used: No



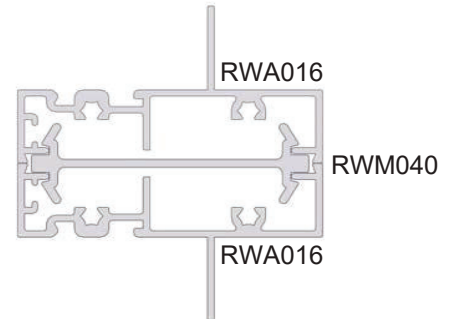
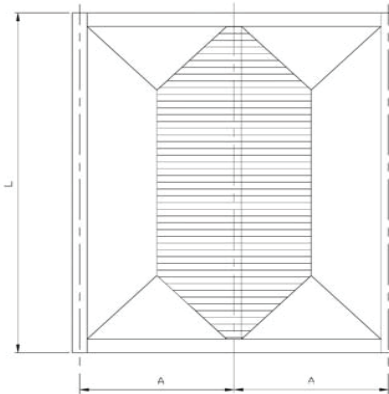
Test & Date	AZT0222.14, 25/07/2014
Test Size	1260mm H x 1800mm W
Mullion	RWA040
Serviceability Load	+/- 2460 Pa @ 1/180
Air Infiltration	+75 Pa = 0.00 L/s.m2 -75 Pa = 0.11 L/s.m2
Water Penetration	300 Pa
Ultimate Strength	+/- 3000Pa

Performance

Strength Charts

Mullion Strength Chart: RWM040 + RWA016 x 2

I - moment of inertia 146.21
 y - max depth of section from N axis 27.3
 E - Modulus 69
 Ultimate stress 110
 Z - Section modulus 5.4

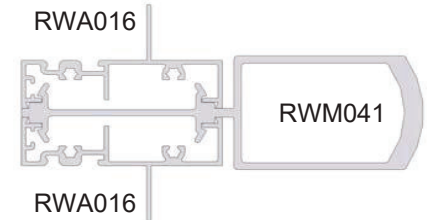
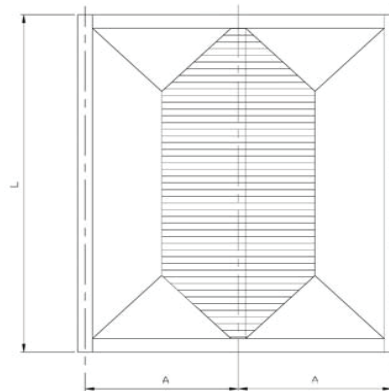


Mullion/Transom Pressure Ratings (Pa): Symmetrical Panels

Darley Aluminium	Serviceability =1/150	Serviceability =1/180	Serviceability =1/250	Ultimate = U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa				REA016 (x2) + REA040
	Panel Width (mm) (A)										
Window Height (mm) (L)	400	500	600	700	800	900	1000	1100	1200	Serviceability	
300	5000	5000	5000	5000	5000	5000	5000	5000	5000	150	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	180	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	250	
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U	
400	5000	5000	5000	5000	5000	5000	5000	5000	5000	150	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	180	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	250	
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U	
500	5000	5000	5000	5000	5000	5000	5000	5000	5000	150	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	180	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	250	
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U	
600	5000	5000	5000	5000	5000	5000	5000	5000	5000	150	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	180	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	250	
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U	
700	5000	5000	5000	5000	5000	5000	5000	5000	5000	150	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	180	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	250	
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U	
800	5000	5000	5000	5000	5000	5000	5000	5000	5000	150	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	180	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	250	
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U	
900	5000	5000	5000	5000	5000	5000	5000	5000	5000	150	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	180	
	5000	5000	5000	5000	5000	5000	5000	5000	5000	250	
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U	
1000	5000	5000	5000	5000	4993	4782	4713	4787	5000	150	
	5000	5000	5000	5000	4993	4782	4713	4787	5000	180	
	5000	5000	5000	5000	4993	4782	4713	4787	4842	250	
	8000	8000	8000	8000	7489	7174	7069	7181	7553	U	
1100	5000	5000	4804	4288	3941	3714	3584	3541	3587	150	
	5000	5000	4804	4288	3941	3714	3584	3541	3587	180	
	5000	4904	4342	3850	3609	3421	3335	3307	3307	250	
	8000	8000	7206	6433	5911	5571	5376	5311	5380	U	
1200	5000	4632	3967	3516	3202	2984	2839	2755	2727	150	
	5000	4632	3967	3516	3202	2984	2839	2755	2727	180	
	4619	3687	3243	2944	2654	2516	2402	2352	2335	250	
	8000	6948	5951	5274	4803	4476	4259	4133	4091	U	

Mullion Strength Chart: RWM041 + RWA016 x 2

I - moment of inertia 734.8
 y - max depth of section from N axis 65.5
 E- Modulus 69
 Ultimate stress 110
 Z - Section modulus 11.2

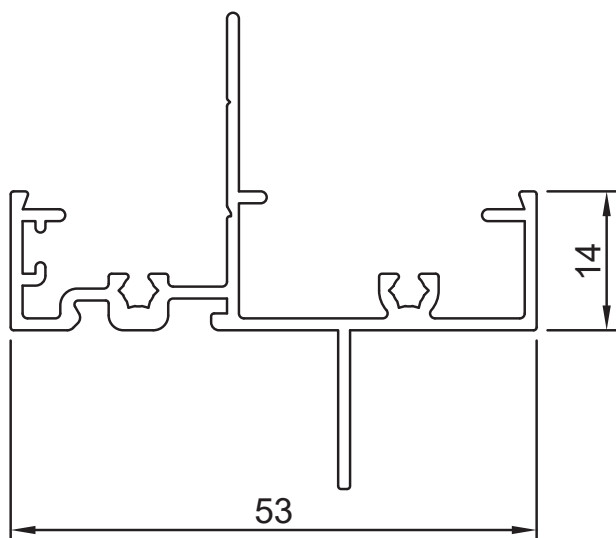


Mullion/Transom Pressure Ratings (Pa): Symmetrical Panels

Darley Aluminium	Serviceability =1/150	Serviceability =1/180	Serviceability =1/250	Ultimate = U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			REA016 (x2) + REA041
	Panel Width (mm) (A)									
Window Height (mm) (L)	400	500	600	700	800	900	1000	1100	1200	Serviceability
1300	5000	5000	5000	5000	5000	5000	4851	4650	4533	150
	5000	5000	5000	5000	5000	5000	4851	4650	4533	180
	5000	5000	5000	5000	5000	5000	4851	4650	4533	250
	8000	8000	8000	8000	8000	7725	7277	6975	6799	U
1400	5000	5000	5000	5000	4710	4327	4046	3844	3706	150
	5000	5000	5000	5000	4710	4327	4046	3844	3706	180
	5000	5000	5000	5000	4710	4327	4046	3844	3706	250
	8000	8000	8000	7850	7065	6491	6069	5765	5559	U
1500	5000	5000	5000	4506	4039	3693	3434	3240	3099	150
	5000	5000	5000	4506	4039	3693	3434	3240	3099	180
	5000	5000	5000	4506	4039	3693	3434	3240	3099	250
	8000	8000	7725	6759	6059	5540	5151	4860	4648	U
1600	5000	5000	4496	3923	3506	3193	2956	2774	2637	150
	5000	5000	4496	3923	3506	3193	2956	2774	2637	180
	5000	5000	4496	3923	3506	3193	2956	2774	2637	250
	8000	7972	6743	5884	5259	4790	4434	4161	3955	U
1700	5000	4690	3960	3448	3074	2791	2574	2406	2276	150
	5000	4690	3960	3448	3074	2791	2574	2406	2276	180
	5000	4690	3960	3448	3074	2791	2574	2406	2276	250
	8000	7035	5940	5172	4610	4187	3861	3609	3414	U
1800	5000	4170	3516	3056	2718	2462	2264	2109	1987	150
	5000	4170	3516	3056	2718	2462	2264	2109	1987	180
	5000	4170	3516	3056	2718	2462	2264	2109	1987	250
	7745	6255	5274	4584	4077	3693	3396	3164	2981	U
1900	4626	3732	3143	2728	2422	2189	2009	1866	1752	150
	4626	3732	3143	2728	2422	2189	2009	1866	1752	180
	4626	3732	3143	2728	2422	2189	2009	1866	1752	250
	6939	5599	4714	4092	3633	3284	3013	2799	2628	U
2000	4169	3361	2827	2451	2173	1961	1795	1664	1558	150
	4169	3361	2827	2451	2173	1961	1795	1664	1558	180
	4169	3361	2827	2451	2173	1961	1795	1664	1558	250
	6253	5041	4241	3676	3259	2941	2692	2495	2337	U
2100	3777	3042	2557	2214	1960	1766	1614	1493	1396	150
	3777	3042	2557	2214	1960	1766	1614	1493	1396	180
	3777	3042	2557	2214	1960	1766	1614	1493	1396	250
	5665	4563	3835	3321	2940	2650	2422	2240	2093	U
2200	3437	2767	2324	2010	1778	1600	1460	1349	1258	150
	3437	2767	2324	2010	1778	1600	1460	1349	1258	180
	3437	2767	2324	2010	1778	1600	1460	1349	1258	250
	5156	4151	3486	3016	2667	2400	2191	2023	1887	U

Section Profiles

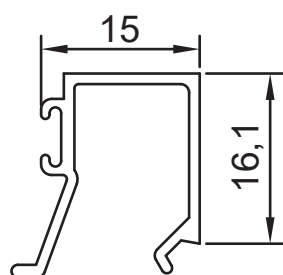
Mainframe Profiles



RWA016
53mm Frame

$$I_{xx} = 323 \times 10^3 \text{ mm}^4$$

$$I_{yy} = 124 \times 10^3 \text{ mm}^4$$

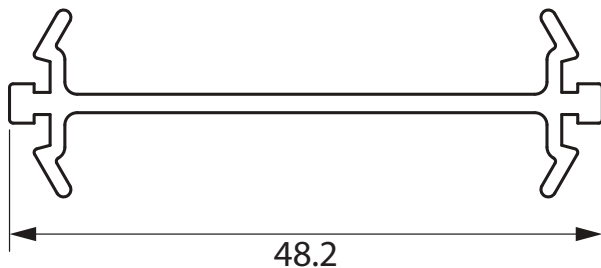


RWA017
Bead

$$\text{A.P.} = 118 \text{ mm}$$

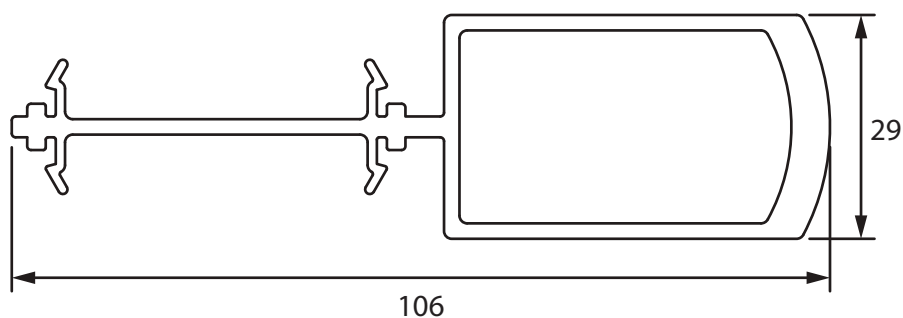
$$\text{P.P.} = - \text{ mm}$$

Additional Profiles



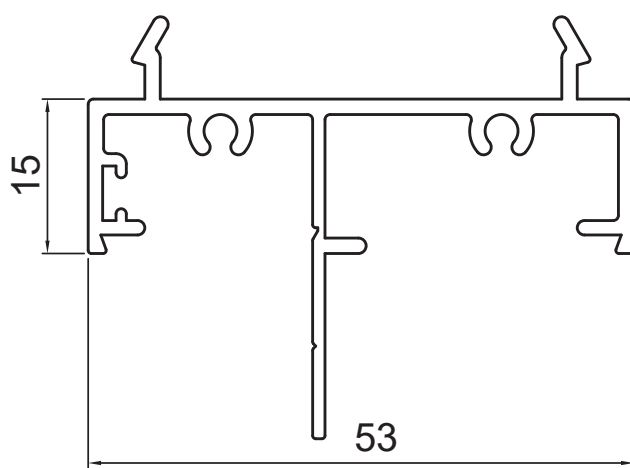
RWM040
Frame Joiner

A.P. = 163 mm
P.P. = - mm



RWM041
Heavy Duty Frame Joiner

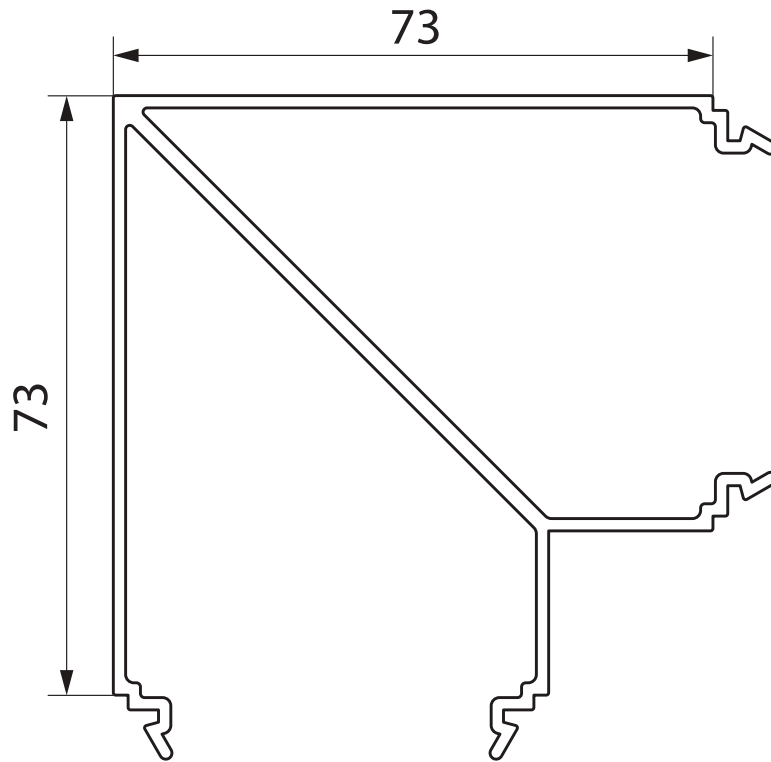
A.P. = 337 mm
P.P. = 165 mm



RWM044
Frame Extender

A.P. = 317 mm
P.P. = - mm

Additional Profiles

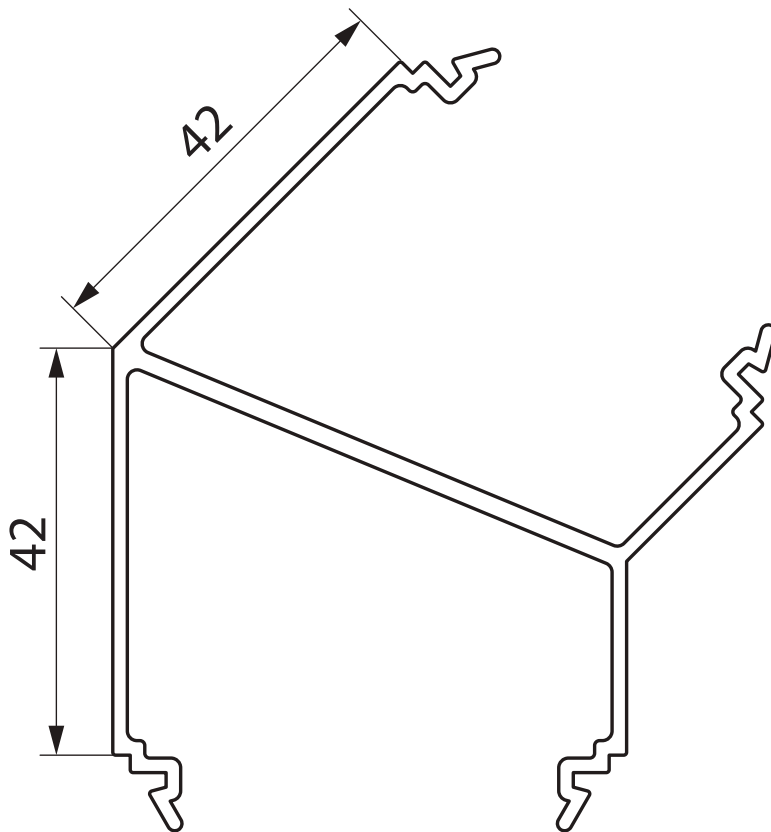


RWM042

90 Degree Corner Post

A.P. = 619 mm

P.P. = 200 mm



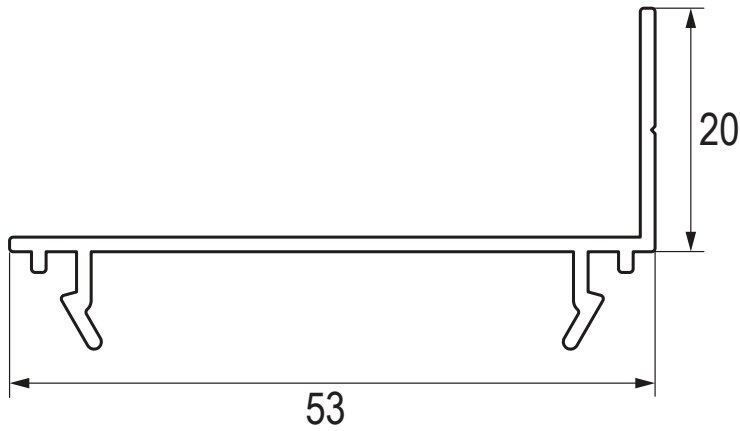
RWM043

45 Degree Corner Post

A.P. = 464 mm

P.P. = 138 mm

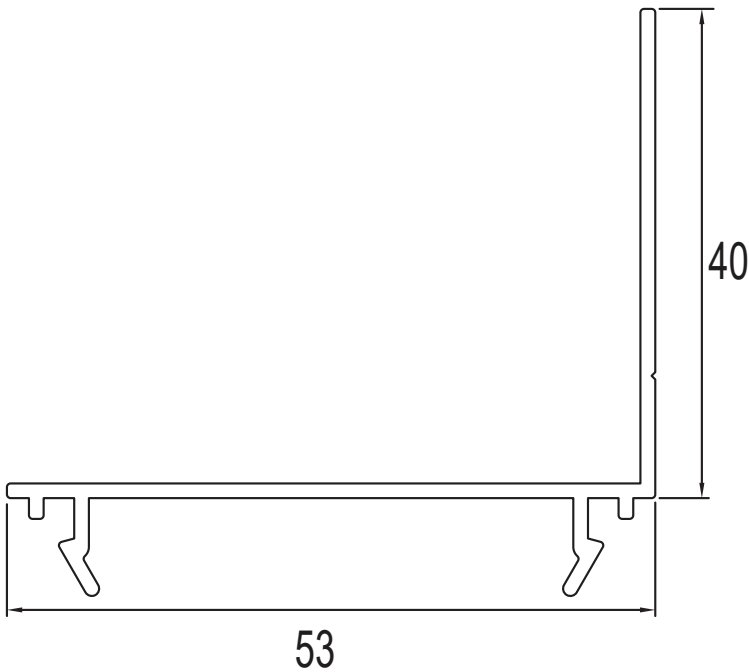
Additional Profiles


RWM045
 Face Fix Adaptor

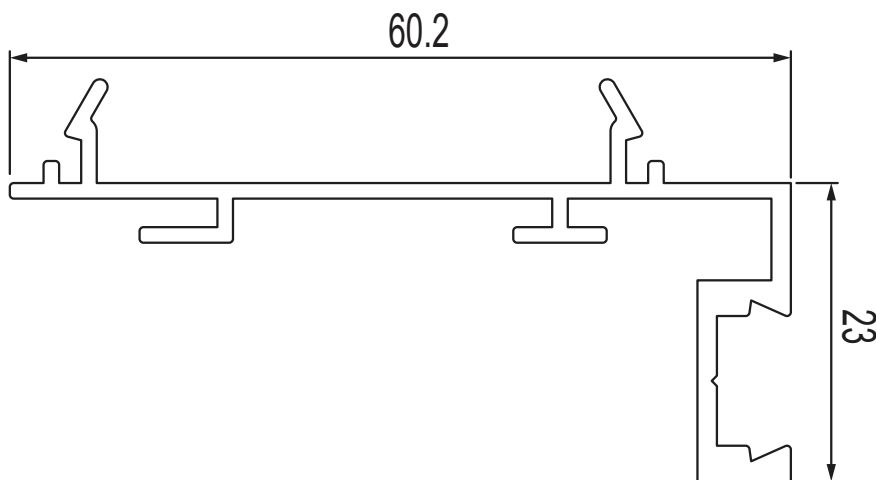
$$I_{xx} = 3.421 \times 10^3 \text{ mm}^4$$

$$I_{yy} = 38.811 \times 10^3 \text{ mm}^4$$

A.P. = 187 mm
 P.P. = 100 mm


RWM051
 40mm Face Fix Adaptor

A.P. = 227 mm
 P.P. = 132 mm

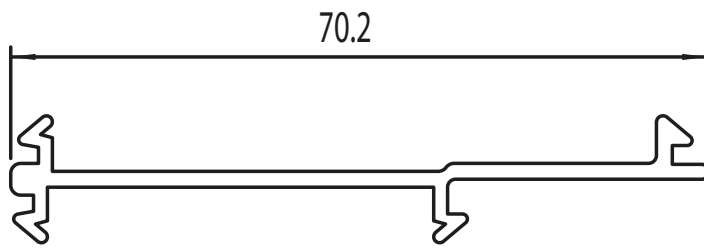

RWM052
 Concealed Faced Fix
 Adaptor

$$I_{xx} = 10.571 \times 10^3 \text{ mm}^4$$

$$I_{yy} = 68.511 \times 10^3 \text{ mm}^4$$

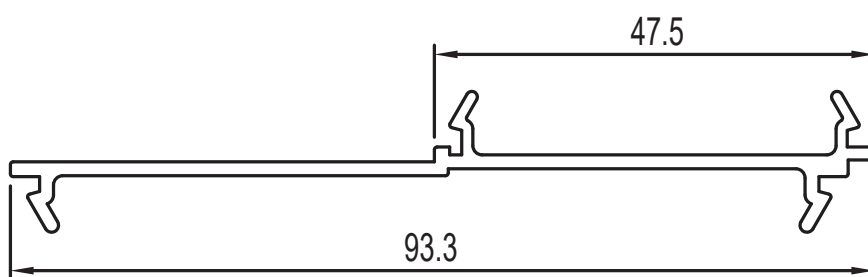
A.P. = 269 mm
 P.P. = - mm

Additional Profiles



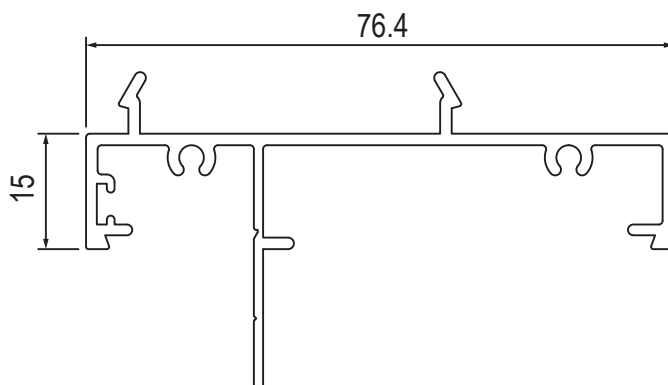
RWM049
53mm to 76mm Adaptor

A.P. = 198 mm
P.P. = - mm



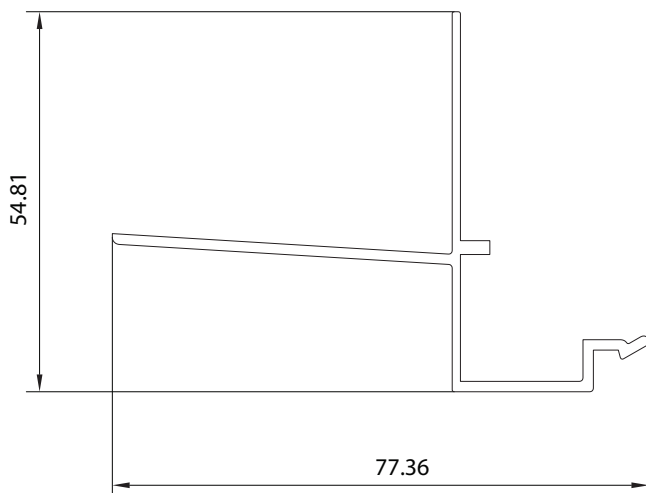
RWM050
53mm to 101.6mm
Adaptor

A.P. = 249 mm
P.P. = - mm



RWM056
53mm to 76mm
Frame Extender

A.P. = 366 mm
P.P. = - mm

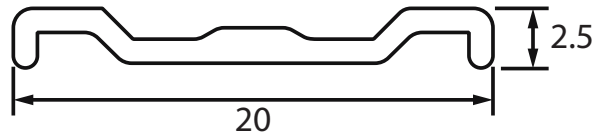


RWM057
Flashing Adapter

$I_{xx} = ? \times 10^3 \text{ mm}^4$
 $I_{yy} = ? \times 10^3 \text{ mm}^4$

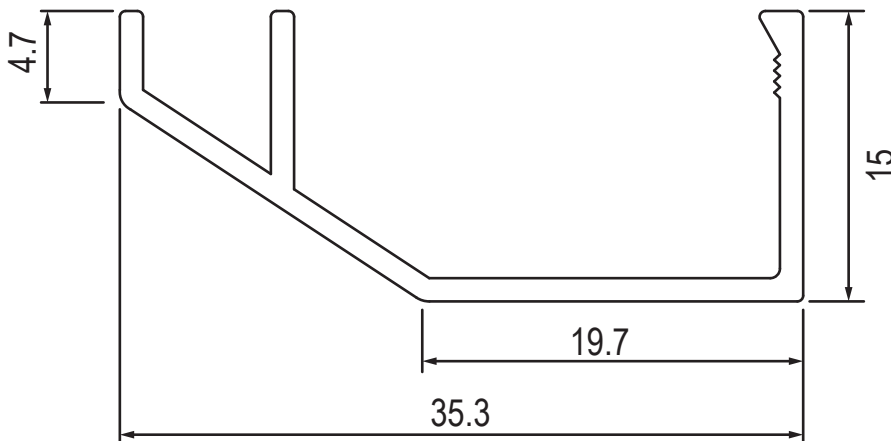
A.P. = 285 mm
P.P. = 174 mm

Additional Profiles



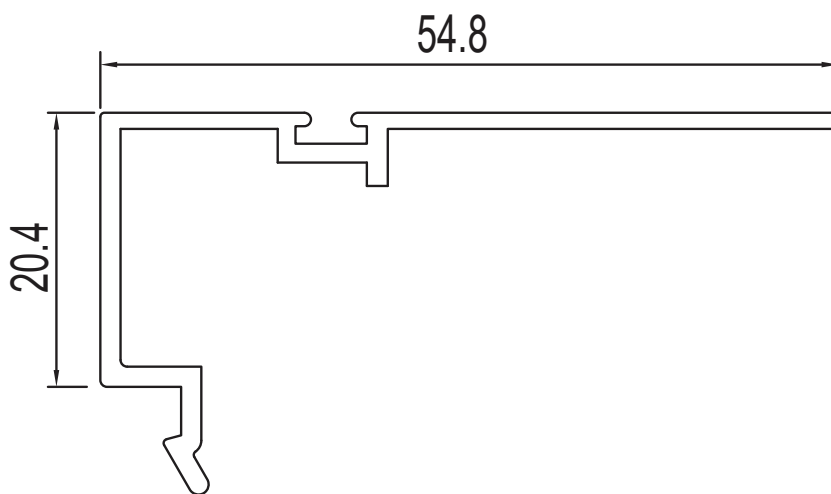
RWM046
Colonial Bar

A.P. = 49 mm
P.P. = - mm



RWM047
Storm Mould

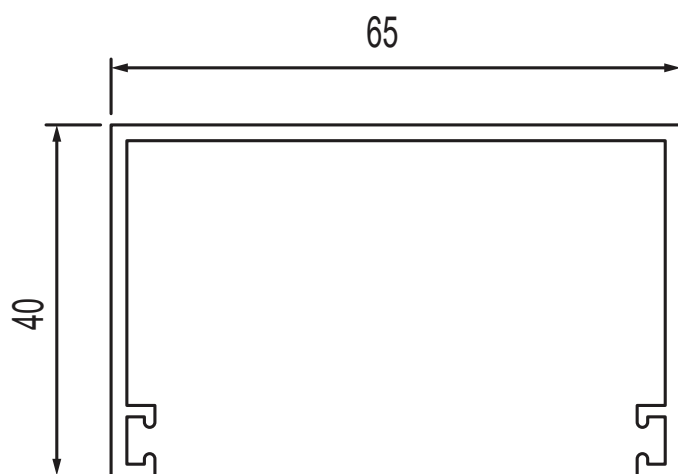
A.P. = 133 mm
P.P. = - mm



KW063
Inline Reveal Adaptor

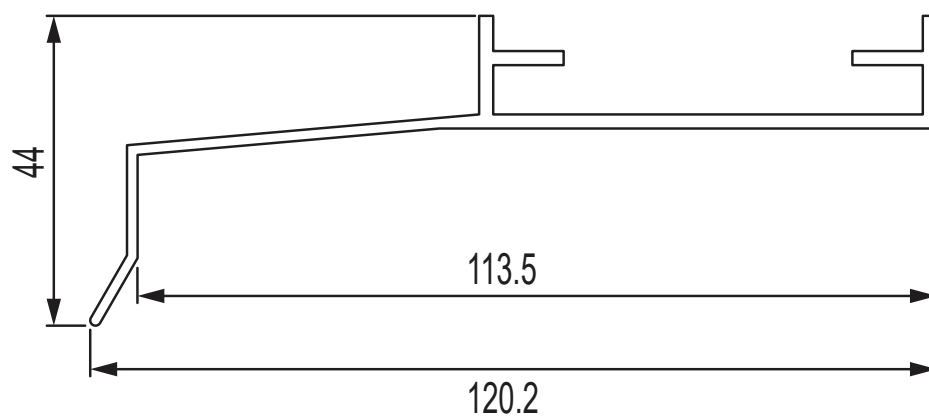
A.P. = 196 mm
P.P. = - mm

Subframing Profiles



RWM054
53mm Sub Head 40mm
Tall

A.P. = 320 mm
P.P. = 155 mm



RWM055
Subsill

A.P. = 380 mm
P.P. = 113 mm

Resources Available

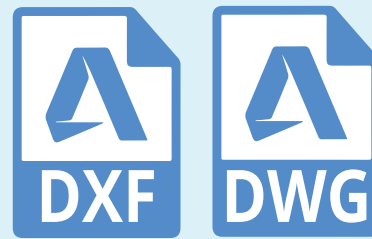


Software Packages



Darley offers our fabrication customers 2 different types of software packages for window and door fabrication: *V6 & Logikal*. This software can be used to generate quotes, orders and bill of materials for our range of aluminium window and door systems.

CAD Drawings

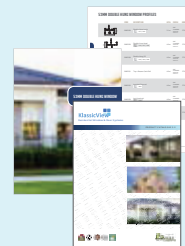


We also give our customers access to CAD drawings of our profiles, assemblies and wall charts. Contact your Account Manager to register for the customer portal on the Darley website www.darleyaluminium.com.au to gain access to these drawings.

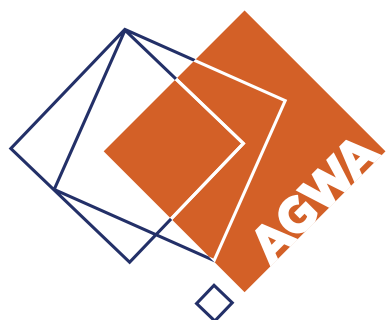
Tooling Systems Catalogues & Brochures



We offer a range of tooling machines used to punch/crop extrusions in our KlassicView residential window & door systems. Each tooling machine has been designed and engineered in Australia, made with high quality steel and available in either pneumatic, hydraulic and air-over-hydraulic options.



KlassicView brochures are available for distribution to the end-users, while our NEW KlassicView catalogues provide an overview of the specific profiles that are needed to fabricate the windows and doors in the KlassicView range.



AUSTRALIAN
**GLASS &
WINDOW**
ASSOCIATION
M E M B E R



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/>

[DARLEYALUMINIUM.COM.AU](https://darleyaluminium.com.au)

| ABN 14 076 364 657

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salesnsw@darleyaluminium.com.au

VICTORIA | SOUTH AUSTRALIA

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Fax: (03) 9768 7288
salesvic@darleyaluminium.com.au

WESTERN AUSTRALIA

36 Armstrong Road, Hope Valley WA 6165
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Fax: (08) 9437 1024
saleswa@darleyaluminium.com.au

QUEENSLAND

29 Access Avenue, Yatala QLD 4207
Tel: (07) 3287 1888
Fax: (07) 3287 2088
saleqlld@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

DARLEYALUMINIUM.COM.AU

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