



McArthur Evo

Centre Pocket Framing



McArthur Evo 150mm Centre Pocket Framing

Technical Manual

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alspec[®]
EVERYTHING ALUMINIUM
& HARDWARE

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This page is intended to record all changes to the **McARTHUR EVO 150mm CENTRE POCKET FRAMING** technical manual pages.

Changes or additions to this manual will be itemised with a brief description and date when the amendments were made.

ISSUE	DATE	Amendment Description	Refer to Tech Memo #
A	09/2008	Technical manual release date	
B	02/2009	Revised loading tables & extrusions	
C	02/2014	Revised test results & accessories pages	
D	01/2020	Technical manual update & re-release	359
E	11/2021	Added ME71 Flashing Adaptor. Page 5.2	496
F	02/2024	Added ME73 Flashing Adaptor. Page 5.8	581

ALUMINIUM

Aluminium frames should be manufactured using Alspec's **McARTHUR EVO 150mm CENTRE POCKET FRAMING** system

Refer to wind load tables for maximum panel heights and widths.

GLAZING

- Minimum glass thickness is 6mm
- Maximum glass thickness is 14mm
- Glazing wedges shall be Alspec's wedges to suit standard & captive glazing options, refer glazing pages 12.1 and 12.2.

HARDWARE

- All other hardware as per Alspec Technical Manual.

FINISHES

- All powder coated material shall be produced to AS3715.
- All anodised material shall be produced to AS1231.

All products are available from Alspec (A.B.N. 63 001 252 259) as detailed in the "Alspec" catalogue or on the Internet at www.alspec.com.au. All such framing is to be constructed, assembled and fixed to meet the requirement of AS2047 (windows in buildings), AS1170 (loading code). All glass, glazing rubbers, seals and gaskets shall be applied in accordance with the requirements of AS1288 (glass in buildings - selection and installation).

Fabricators of the **McARTHUR EVO 150mm CENTRE POCKET FRAMING** system should seek certification by a consultant structural engineer as to the framing being acceptable for the design wind pressure and deflection characteristics required of the site.



3. Loading Tables

Loading Table Guide

The following pages contain wind pressure tables that may be used as a guide to the suitability of Alspec Aluminium Systems framing for various wind loads and frame sizes.

In most situations the Design Wind Pressure for a particular building should be available from the building designer or engineer.

Framing must be checked for suitability.

For windows and door frames, which are 2400mm high and 1000mm wide, refer to the table below;

Step 1: Locate the height

Step 2: Locate the width

Step 3: Determine the Maximum wind pressure based on the height and width.

SECTION PART NO.	Panel Height	Maximum Design Pressure (Pa)					
	2850	S	1040	840	720	630	570
		U	2410	1960	1660	1460	1310
	2700	S	1230	1000	850	750	680
		U	2700	2190	1870	1640	1480
	2550	S	1460	1200	1020	910	830
		U	3040	2470	2210	1860	1690
	2400	S	1770	1450	1250	1080	1010
		U	3440	2810	2410	2000	1940
	2250	S	2160	1780	1530	1370	1270
		U	3940	3230	2780	2470	2270
	2100	S	2670	2210	1920	1730	1610
		U	4550	3750	3240	2900	2680
Ixx = xxx x xxx mm4	Panel Width		800	1000	1200	1400	1600

Diagram illustrating the steps to find the Maximum Design Pressure (Pa) for a window or door frame:

- STEP 1:** Locate the height (2400mm) in the Panel Height column.
- STEP 2:** Locate the width (1000mm) in the Panel Width row.
- STEP 3:** Determine the Maximum wind pressure based on the height and width. The intersection of 2400mm height and 1000mm width shows a pressure of 1450 Pa (Suction) and 2810 Pa (Ultimate).

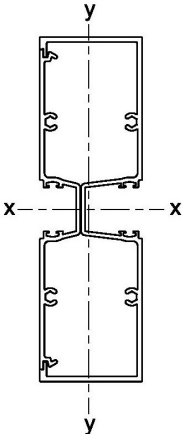
3. Loading Tables

ME61 + ME64 Mullion

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

ME61 + ME64 MULLION	Panel Height	Maximum Design Pressure (Pa)						
	4200	S	710	600				
		U	1650	1390				
	3900	S	890	750	650	580		
		U	1920	1620	1400	1240		
	3600	S	1140	960	840	750	680	630
		U	2260	1910	1660	1470	1330	1230
	3300	S	1490	1260	1100	990	900	830
		U	2710	2290	1990	1780	1620	1490
	3000	S	2000	1700	1490	1340	1230	1150
		U	3300	2800	2450	2190	2000	1860
	2700	S	2780	2370	2090	1900	1750	1650
		U	4110	3500	3080	2780	2560	2400
	2400	S	3000	3000	3000	2810	2640	2520
		U	5280	4520	4000	3640	3400	3230
	2100	S	3000	3000	3000	3000	3000	3000
		U	7020	6070	5440	5030	4780	4650
lxx = 2443 x 10 ³ mm ⁴	Mullion centres		1000	1200	1400	1600	1800	2000
								2200

Tables are based on theoretical section properties



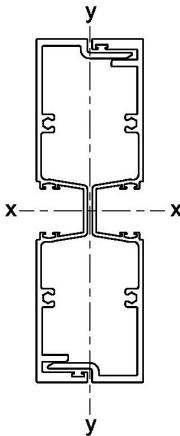
3. Loading Tables

ME66 Self Mating Mullion

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

ME66 SELF MATING MULLION	Panel Height	Maximum Design Pressure (Pa)						
	4800	S	750	630				
		U	1980	1660				
	4500	S	910	770	660	590		
		U	2250	1890	1630	1440		
	4200	S	1130	950	820	730	660	600
		U	2590	2180	1890	1670	1500	1370
	3900	S	1410	1190	1030	920	830	760
		U	3020	2540	2200	1950	1760	1620
	3600	S	1810	1530	1330	1190	1080	990
		U	3560	3000	2610	2320	2100	1930
	3300	S	2360	2000	1750	1560	1430	1320
		U	4260	3600	3130	2800	2540	2350
	3000	S	3000	2690	2370	2130	1950	1820
		U	5190	4390	3840	3450	3150	2930
	2700	S	3000	3000	3000	3000	2780	2620
		U	6460	5500	4840	4360	4020	3770
	2400	S	3000	3000	3000	3000	3000	3000
		U	8280	7090	6290	5720	5330	5080
	2100	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	8550	7900	7500	7310
lxx = 3867 x 10 ³ mm ⁴	2100		1000	1200	1400	1600	1800	2000
								2200

Tables are based on theoretical section properties

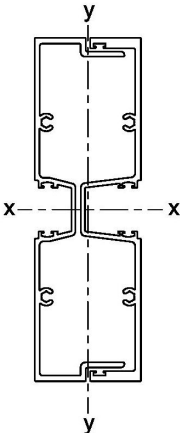
3. Loading Tables

ME67 + ME68 STD Mullion

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

ME67 + ME68 STD MULLIONS	Panel Height	Maximum Design Pressure (Pa)						
	4500	S	780	660	570			
		U	1950	1630	1410			
	4200	S	960	810	700	620	560	
		U	2240	1880	1630	1440	1300	
	3900	S	1210	1020	890	790	710	650
		U	2610	2190	1900	1690	1520	1400
	3600	S	1550	1310	1140	1010	920	850
		U	3070	2590	2250	2000	1810	1670
	3300	S	2020	1710	1500	1340	1220	1130
		U	3680	3110	2710	2410	2200	2030
	3000	S	2710	2310	2030	1820	1670	1560
		U	4480	3800	3320	2980	2720	2530
	2700	S	3000	3000	2840	2570	2380	2250
		U	5580	4750	4180	3770	3470	3260
	2400	S	3000	3000	3000	3000	3000	3000
		U	7160	6130	5430	4950	4610	4380
	2100	S	3000	3000	3000	3000	3000	3000
		U	9000	8240	7380	6820	6480	6310
lxx = 3312 x 10 ³ mm ⁴	Mullion centres		1000	1200	1400	1600	1800	2000
								2200

Tables are based on theoretical section properties



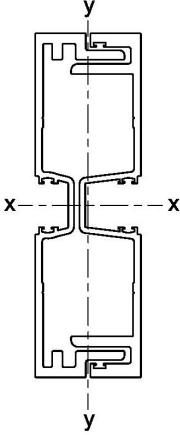
3. Loading Tables

ME69 + ME70 H.D. Mullion

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

ME69 + ME70 H.D. MULLIONS	Panel Height	Maximum Design Pressure (Pa)						
	5100	S	970	810	700	620	560	
		U	2740	2290	1980	1740	1560	
	4800	S	1170	980	850	750	670	610 560
		U	3100	2600	2240	1980	1780	1620 1490
	4500	S	1420	1190	1030	910	820	750 690
		U	3530	2960	2560	2260	2040	1860 1710
	4200	S	1750	1470	1280	1130	1020	940 870
		U	4060	3410	2960	2620	2360	2150 1990
	3900	S	2200	1850	1610	1430	1290	1190 1110
		U	4730	3980	3450	3060	2760	2530 2350
	3600	S	2810	2370	2070	1840	1670	1540 1440
		U	5570	4700	4080	3630	3290	3020 2820
	3300	S	3000	3000	2720	2430	2220	2060 1930
		U	6660	5630	4910	4380	3980	3680 3450
	3000	S	3000	3000	3000	3000	3000	2830 2680
		U	8120	6880	6020	5400	4930	4590 4330
	2700	S	3000	3000	3000	3000	3000	3000 3000
		U	9000	8610	7570	6830	6290	5910 5630
	2400	S	3000	3000	3000	3000	3000	3000 3000
		U	9000	9000	9000	8960	8350	7950 7710
	2100	S	3000	3000	3000	3000	3000	3000 3000
		U	9000	9000	9000	9000	9000	9000 9000
$I_{xx} = 6002 \times 10^3 \text{ mm}^4$	Mullion centres		1000	1200	1400	1600	1800	2000 2200

Tables are based on theoretical section properties

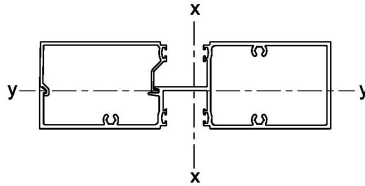
3. Loading Tables

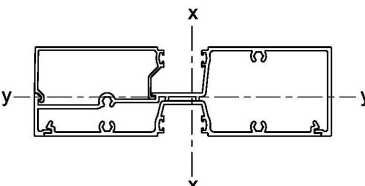
ME75 Hollow Transom & ME62 + ME64 Transom

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

ME75 HOLLOW TRANSOM	Transom Centres	Maximum Design Loads (Pa)							
	1650	S	3000	3000	3000	3000	2550	2050	1690
		U	8250	6910	6210	4910	3820	3080	2540
	1500	S	3000	3000	3000	3000	2620	2140	1780
		U	9000	7500	6530	4970	3930	3210	2680
	1350	S	3000	3000	3000	3000	2950	2270	1900
		U	9000	8970	6630	5150	4140	3410	2860
	1200	S	3000	3000	3000	3000	3000	2460	2080
		U	9000	9000	6920	5460	4440	3690	3120
	1050	S	3000	3000	3000	3000	3000	2710	2300
		U	9000	9000	7440	5950	4870	4070	3460
	900	S	3000	3000	3000	3000	3000	3000	2650
		U	9000	9000	8250	6660	5500	4620	3940
	Max Kg			100	100	100	100	100	100
$I_{xx} = 1439 \times 10^3 \text{ mm}^4$ $I_{yy} = 201 \times 10^3 \text{ mm}^4$	Transom length		1200	1350	1500	1650	1800	1950	2100

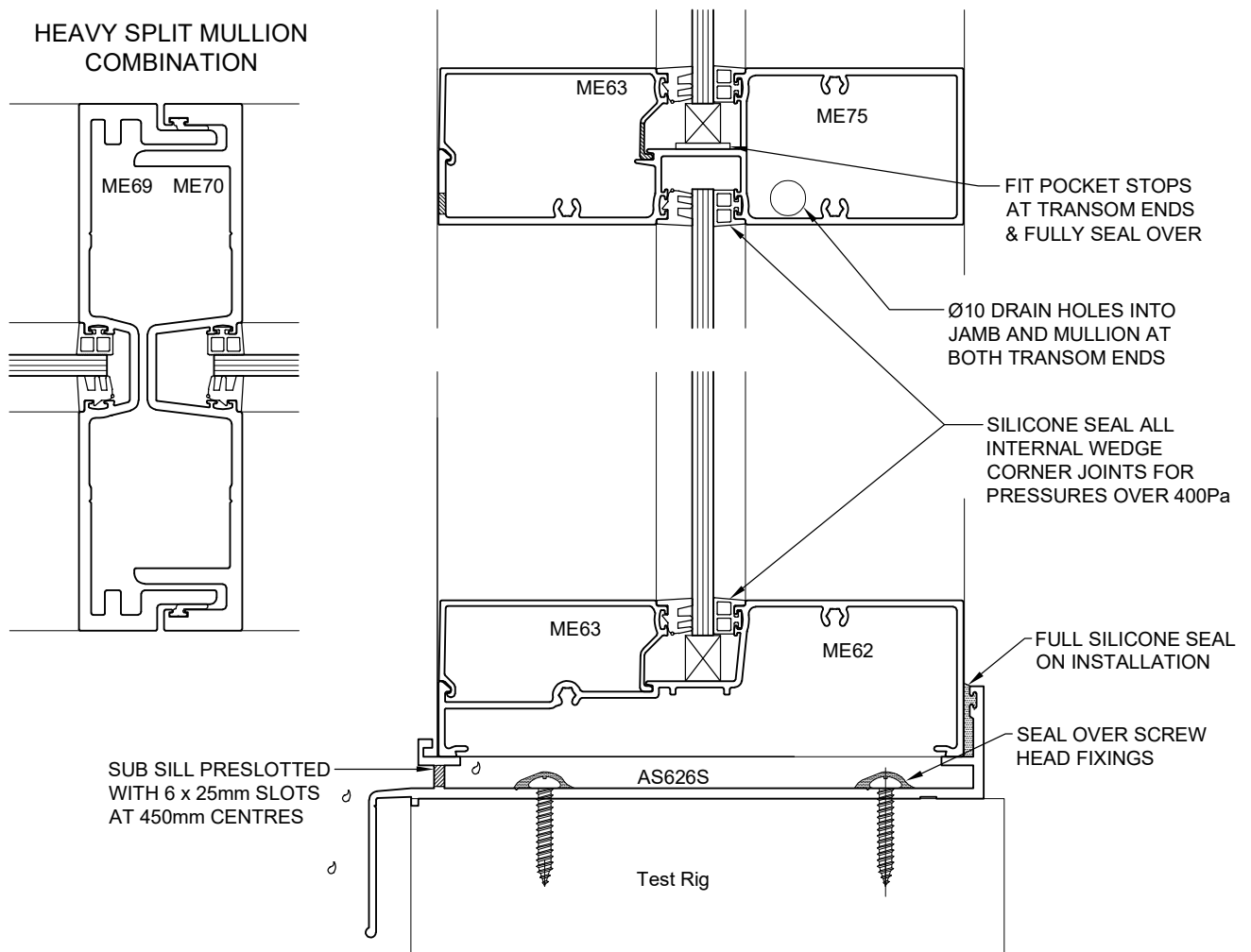
ME62 + ME64 TRANSOM	Transom Centres	Maximum Design Loads (Pa)							
	1650	S	3000	3000	3000	3000	3000	3000	2360
		U	9000	9000	9000	6860	5330	4300	3550
	1500	S	3000	3000	3000	3000	3000	3000	2490
		U	9000	9000	9000	6940	5500	4480	3740
	1350	S	3000	3000	3000	3000	3000	3000	2660
		U	9000	9000	9000	7190	5780	4760	4000
	1200	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	7630	6200	5150	4350
	1050	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	8300	6810	5690	4840
	900	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	7680	6460	5510
	Max Kg			100	100	100	90	70	55
lxx = 1903 x 10³ mm⁴ lyy = 100 x 10³ mm⁴	Transom length		1200	1350	1500	1650	1800	1950	2100

Tables are based on theoretical section properties

Maximum glass weights has been determined to limit deflection to 5mm,
using setting block locations of 1/8 points.

AS2047 - Fixed/ Fixed over Fixed/ Fixed

TEST REPORT:	AS14-230
SYSTEM CONFIGURATION	McARTHUR EVO WITH H.D. SPLIT MULLION F/F-F/F
TEST SAMPLE SIZE	2700 H x 2000 W
SERVICEABILITY LOAD	+/- 3010 Pa
ULTIMATE LOAD	+/- 6415 Pa
WATER PENETRATION	900 Pa
AIR INFILTRATION	75Pa +0.09 L/s/ms ² - 0.12 L/s/ms ²
	150Pa +0.02 L/s/ms ² - 0.17 L/s/ms ²

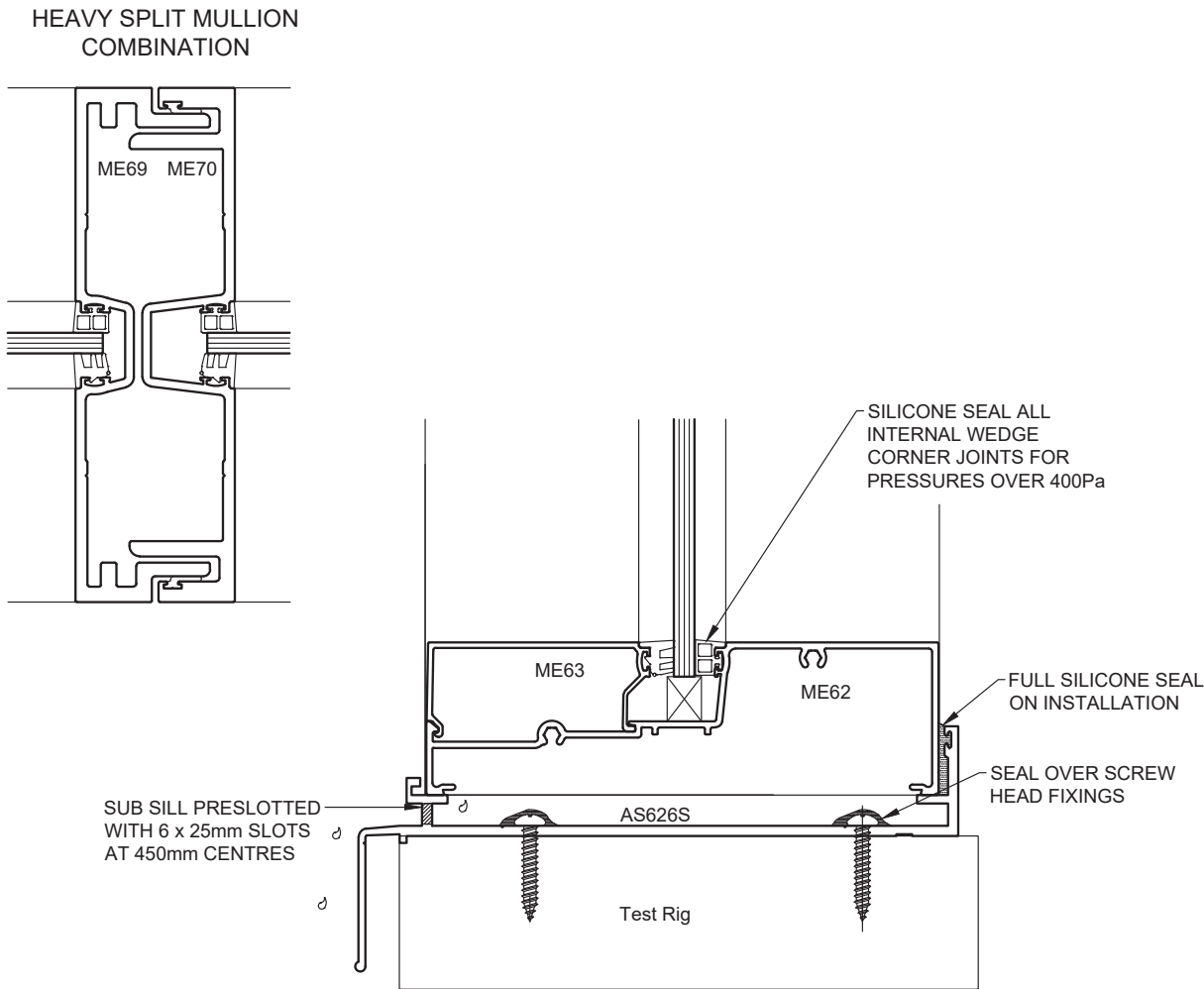


DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.

4. Test Summary

AS2047 - Fixed/ Fixed

TEST REPORT:	AS14-227
SYSTEM CONFIGURATION	McARTHUR EVO WITH HD MULLION F/F
TEST SAMPLE SIZE	3200 H x 2000 W
SERVICEABILITY LOAD	+/- 3000 Pa
ULTIMATE LOAD	+/- 6630 Pa
WATER PENETRATION	900 Pa
AIR INFILTRATION	75Pa +0.01 L/s/ms ² - 0.17 L/s/ms ² 150Pa +0.11 L/s/ms ² - 0.12 L/s/ms ²

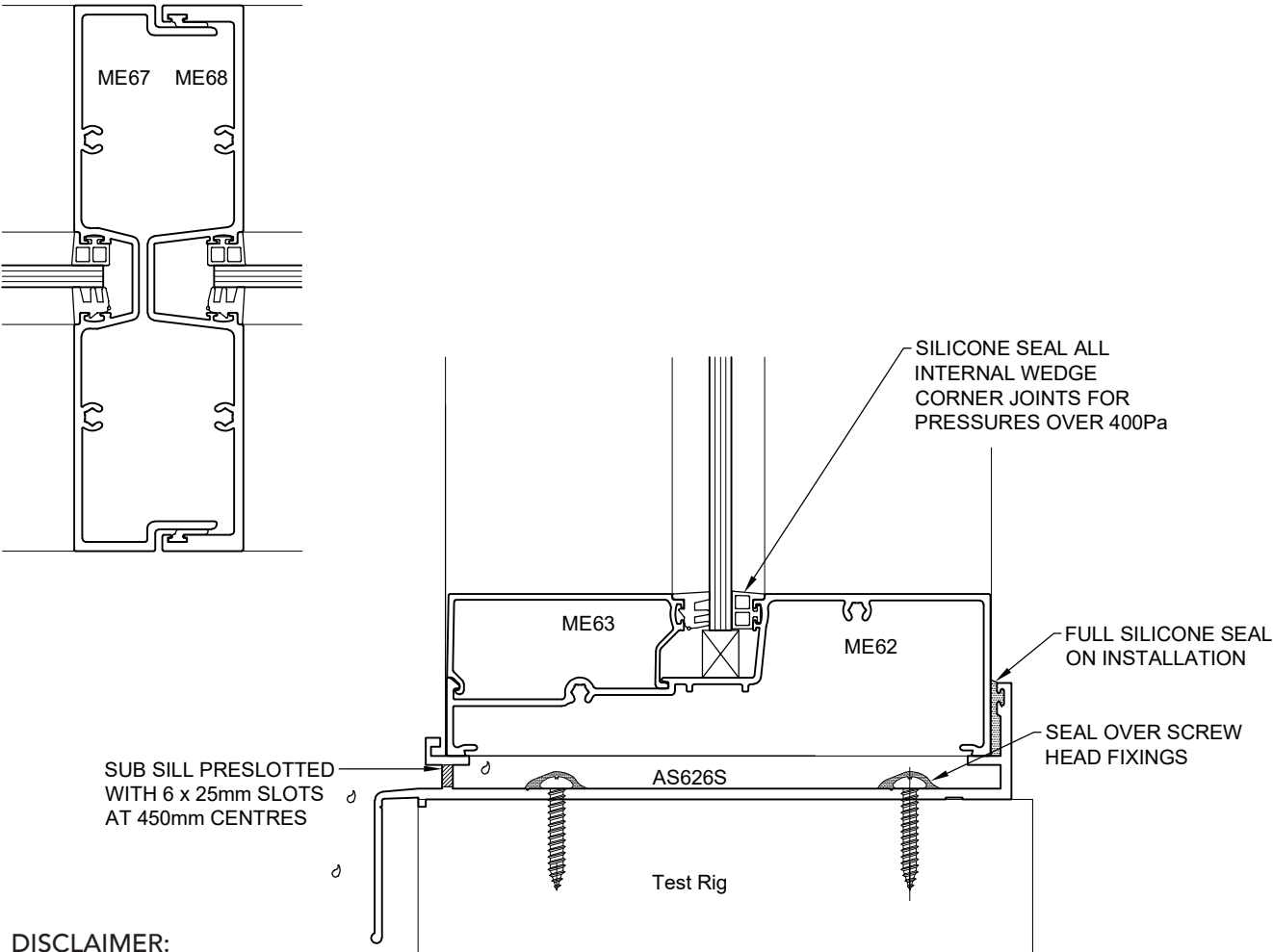


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AS2047 - Fixed/ Fixed

TEST REPORT:	AS14-226		
SYSTEM CONFIGURATION	McARTHUR EVO WITH STD SPLIT MULLION F/F		
TEST SAMPLE SIZE	3200 H x 2000 W		
SERVICEABILITY LOAD	+/- 2300 Pa		
ULTIMATE LOAD	+/- 4100 Pa		
WATER PENETRATION	900 Pa		
AIR INFILTRATION	75Pa	+0.05 L/s/ms ²	- 0.07 L/s/ms ²
	150Pa	+0.05 L/s/ms ²	- 0.09 L/s/ms ²

STD SPLIT MULLION
COMBINATION



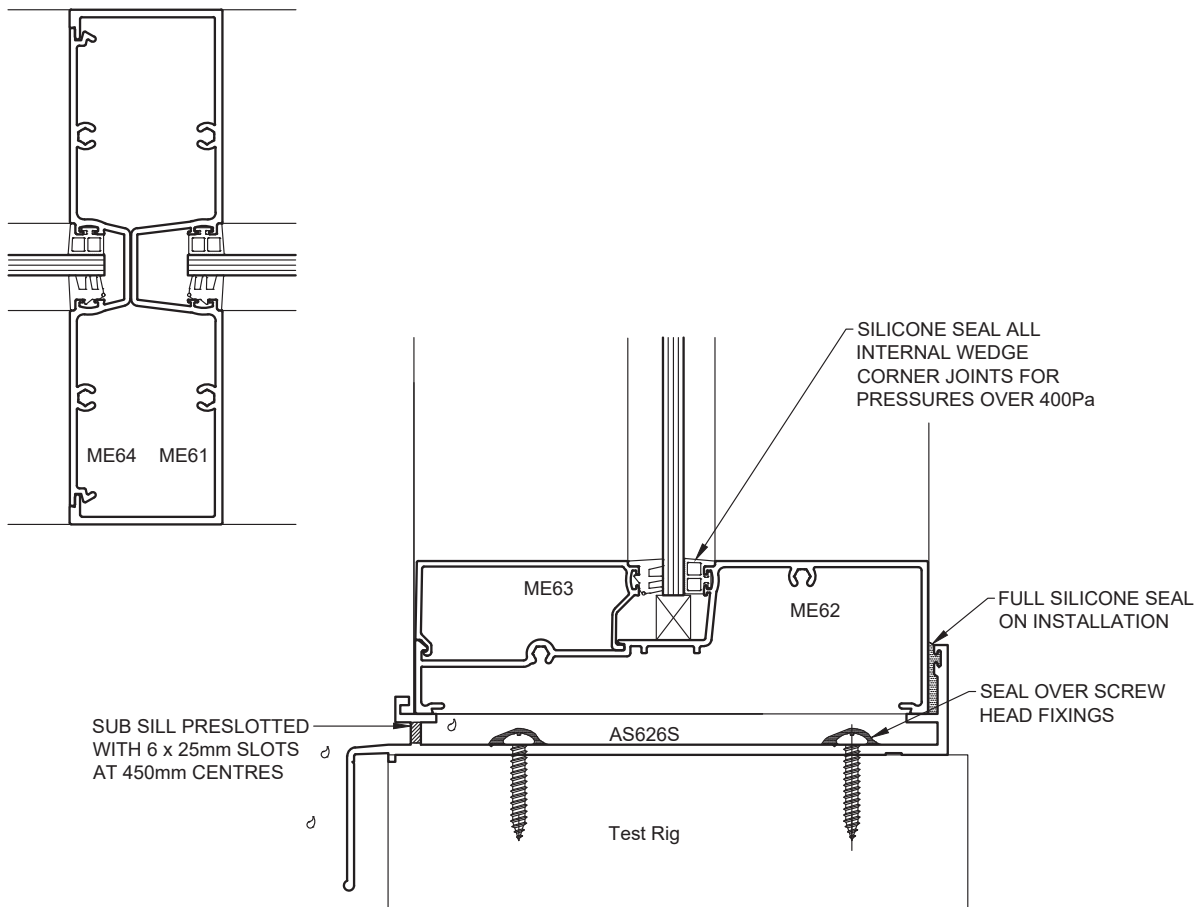
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4. Test Summary

AS2047 - Fixed/ Fixed

TEST REPORT:	AS14-224
SYSTEM CONFIGURATION	McARTHUR EVO WITH FRAME/ ADAPTOR MULLION F/F
TEST SAMPLE SIZE	3200 H x 2000 W
SERVICEABILITY LOAD	+/- 1565 Pa
ULTIMATE LOAD	+/- 3000 Pa
WATER PENETRATION	907 Pa
AIR INFILTRATION	75Pa +0.06 L/s/ms ² - 0.00 L/s/ms ² 150Pa +0.05 L/s/ms ² - 0.08 L/s/ms ²

FRAME & ADAPTOR MULLION
COMBINATION

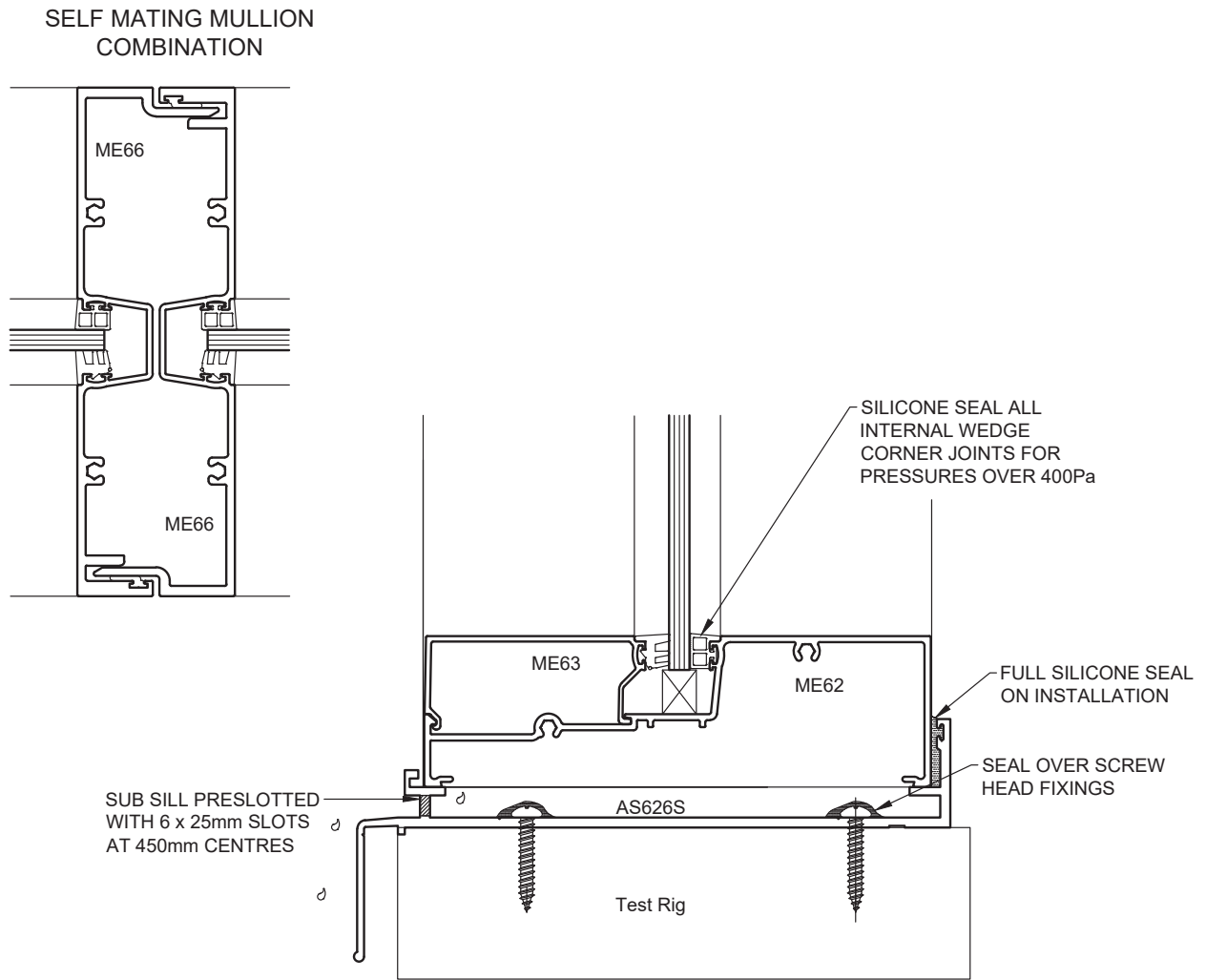


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AS2047 - Fixed/ Fixed

TEST REPORT:	AS14-225
SYSTEM CONFIGURATION	McARTHUR EVO WITH SELF MATING MULLION F/F
TEST SAMPLE SIZE	3200 H x 2000 W
SERVICEABILITY LOAD	+/- 2775 Pa
ULTIMATE LOAD	+/- 4710 Pa
WATER PENETRATION	900 Pa
AIR INFILTRATION	75Pa +0.10 L/s/ms ² - 0.14 L/s/ms ²
	150Pa +0.04 L/s/ms ² - 0.04 L/s/ms ²



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4. Test Summary

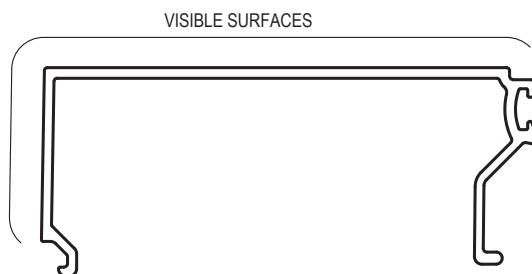
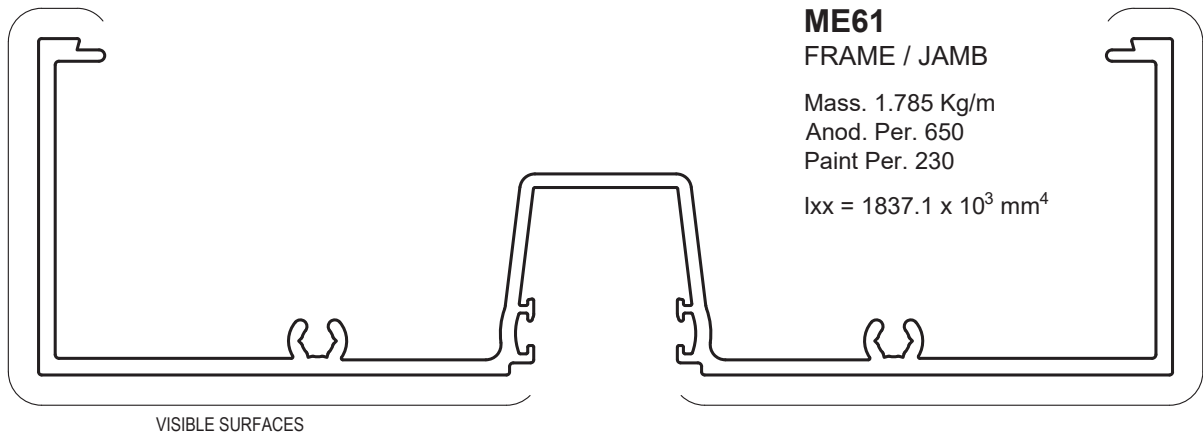
Acoustic - AS/NZS ISO 717.1

TEST REPORT	PRODUCT DESCRIPTION	SIZE	GLASS	Rw
14-106	McARTHUR EVO 101.6mm FIXED / 45mm SWAN EVO HINGED DOOR	2.1m (H) x 1.8m (W)	6.38mm LAMINATE	32
14-105	McARTHUR EVO 101.6mm FIXED / FIXED	2.1m (H) x 1.8m (W)	6.38mm LAMINATE	32
14-104	McARTHUR EVO 101.6mm FIXED OVER FIXED / AWNING OVER FIXED	2.1m (H) x 1.8m (W)	6.38mm LAMINATE	32

NOTE: TEST RESULTS ARE FOR 101.6mm FRAMING AND FOR COMPARABLE REFERENCE.

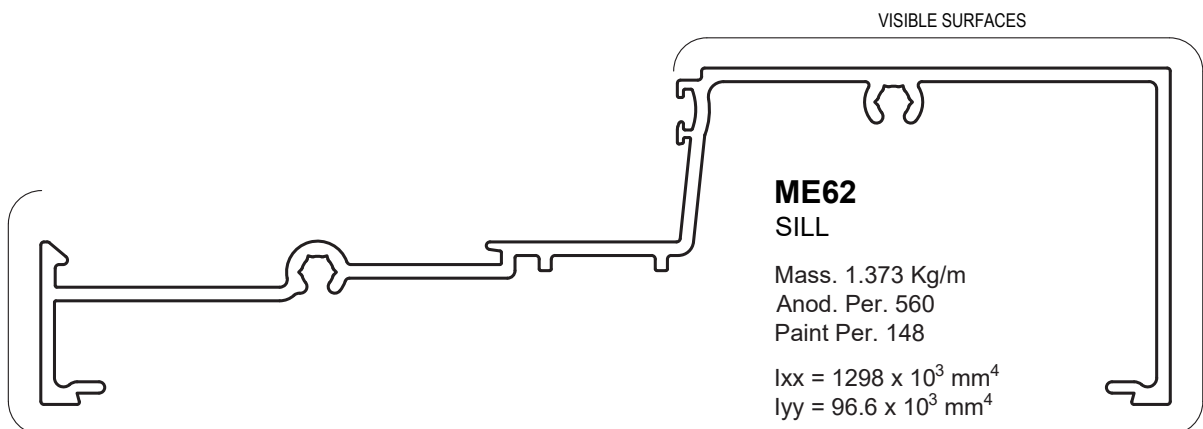
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ME63
SILL BEAD

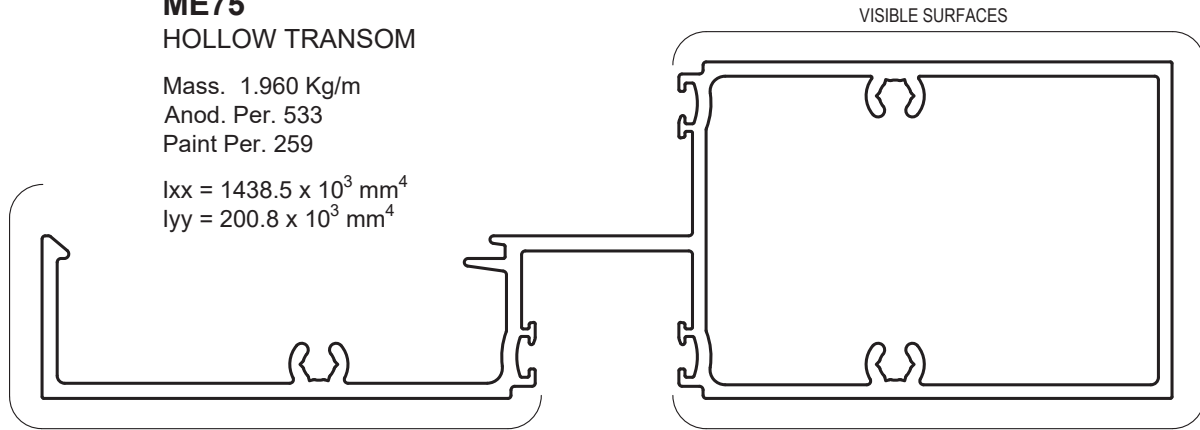
Mass. 0.507 Kg/m
Anod. Per. 251
Paint Per. 100



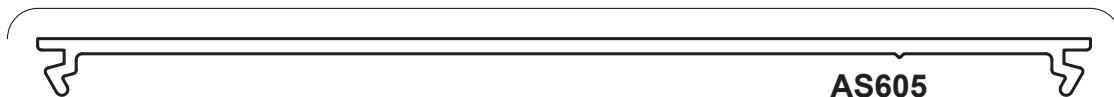
ME75
HOLLOW TRANSOM

Mass. 1.960 Kg/m
Anod. Per. 533
Paint Per. 259

$I_{xx} = 1438.5 \times 10^3 \text{ mm}^4$
 $I_{yy} = 200.8 \times 10^3 \text{ mm}^4$



VISIBLE SURFACES

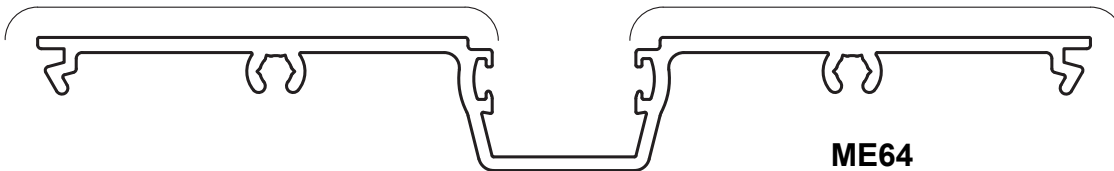


AS605
FLUSH ADAPTOR

Mass. 0.810 Kg/m
Anod. Per. 310
Paint Per. 140

$I_{xx} = 539.1 \times 10^3 \text{ mm}^4$

VISIBLE SURFACES

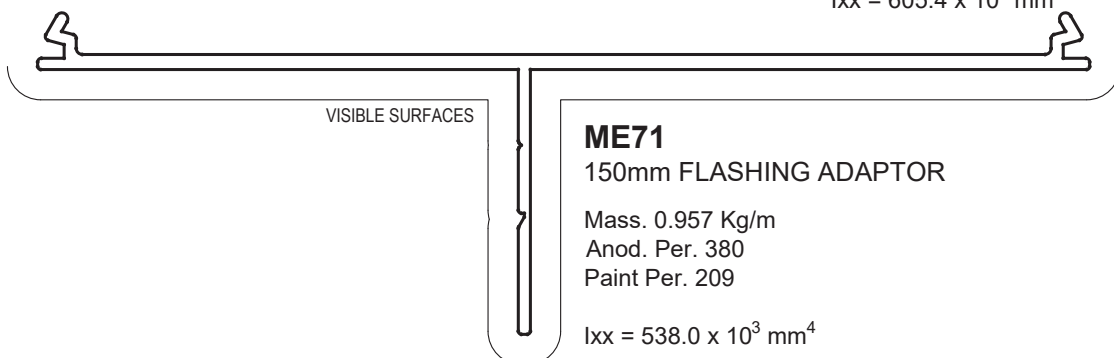


ME64
GLAZING ADAPTOR

Mass. 1.080 Kg/m
Anod. Per. 423
Paint Per. 121

$I_{xx} = 605.4 \times 10^3 \text{ mm}^4$

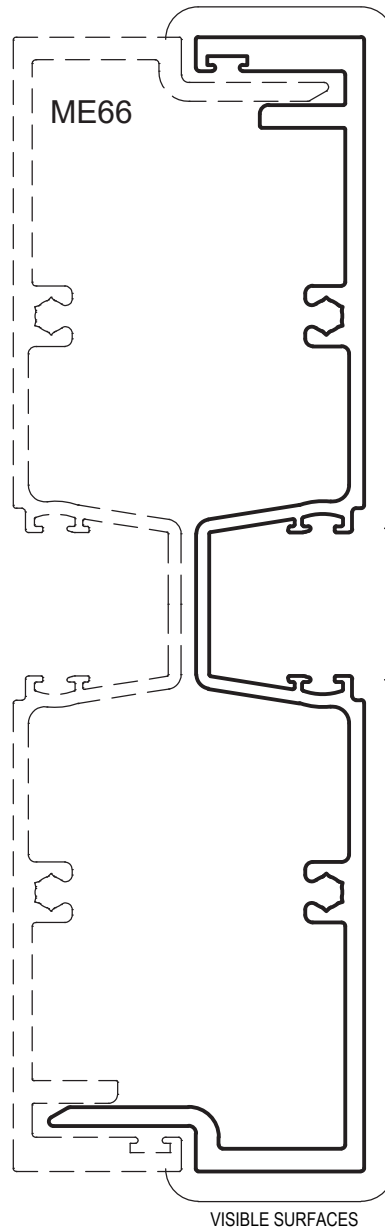
VISIBLE SURFACES



ME71
150mm FLASHING ADAPTOR

Mass. 0.957 Kg/m
Anod. Per. 380
Paint Per. 209

$I_{xx} = 538.0 \times 10^3 \text{ mm}^4$



ME66
SELF MATING MULLION

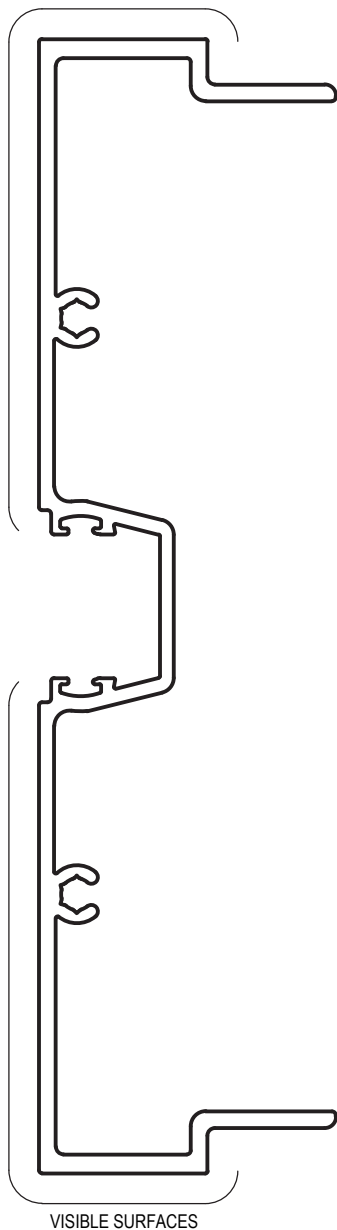
Mass. 1.869 Kg/m

Anod. Per. 593

Paint Per. 182

$I_{xx} = 1933.7 \times 10^3 \text{ mm}^4$

Note: Glass edge cover is limited to 8mm in this section, therefore a max glass thickness of 10.38mm applies as per AS1288

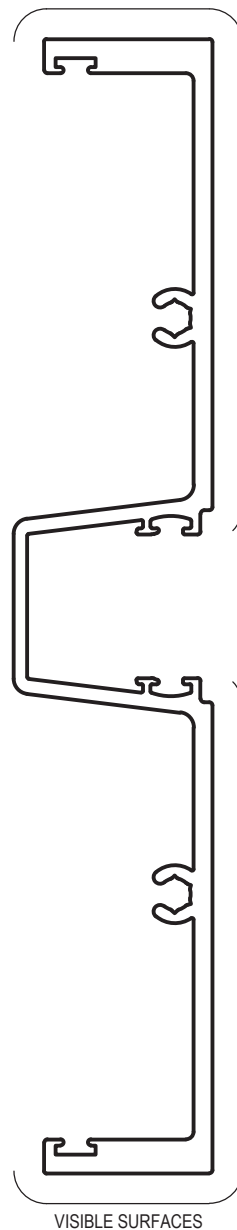


ME67

MALE MULLION

Mass. 1.682 Kg/m
Anod. Per. 588
Paint Per. 180

$I_{xx} = 1688.5 \times 10^3 \text{ mm}^4$

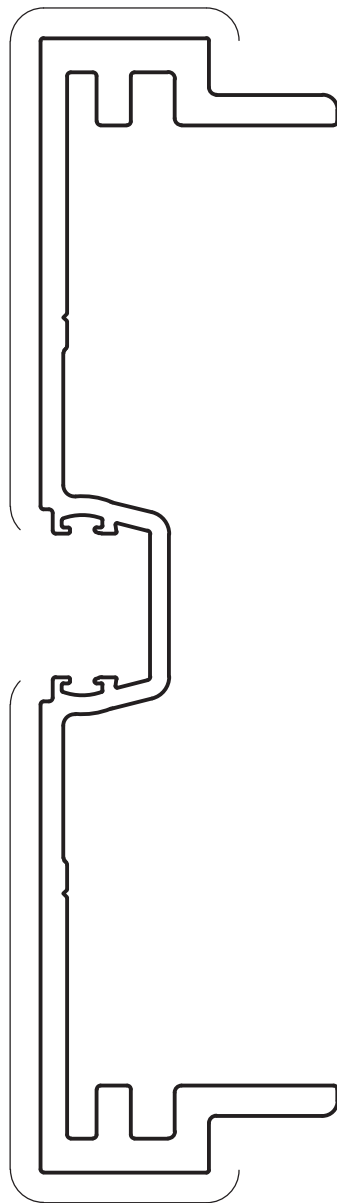


ME68

FEMALE MULLION

Mass. 1.789 Kg/m
Anod. Per. 546
Paint Per. 180

$I_{xx} = 1624.0 \times 10^3 \text{ mm}^4$



VISIBLE SURFACES

ME69

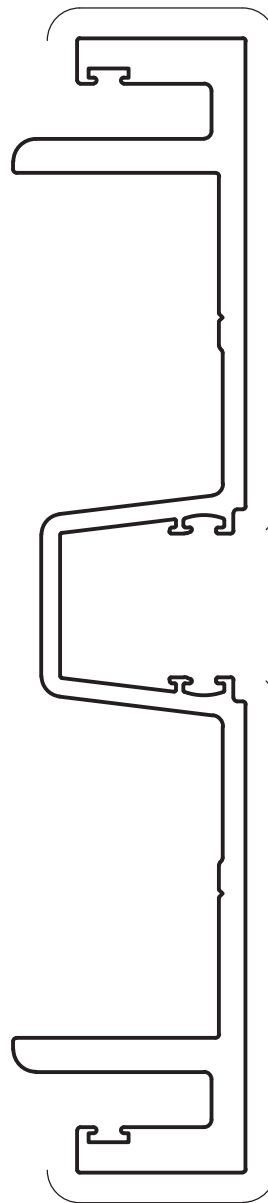
H.D. MALE MULLION

Mass. 2.655 Kg/m

Anod. Per. 568

Paint Per. 182

Ixx = $3018.1 \times 10^3 \text{ mm}^4$



VISIBLE SURFACES

ME70

H.D. FEMALE MULLION

Mass. 2.882 Kg/m

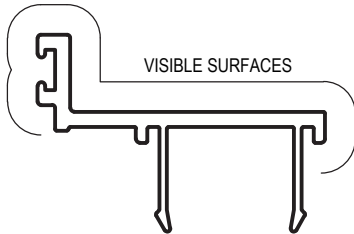
Anod. Per. 605

Paint Per. 180

Ixx = $2983.6 \times 10^3 \text{ mm}^4$



5. Extrusions

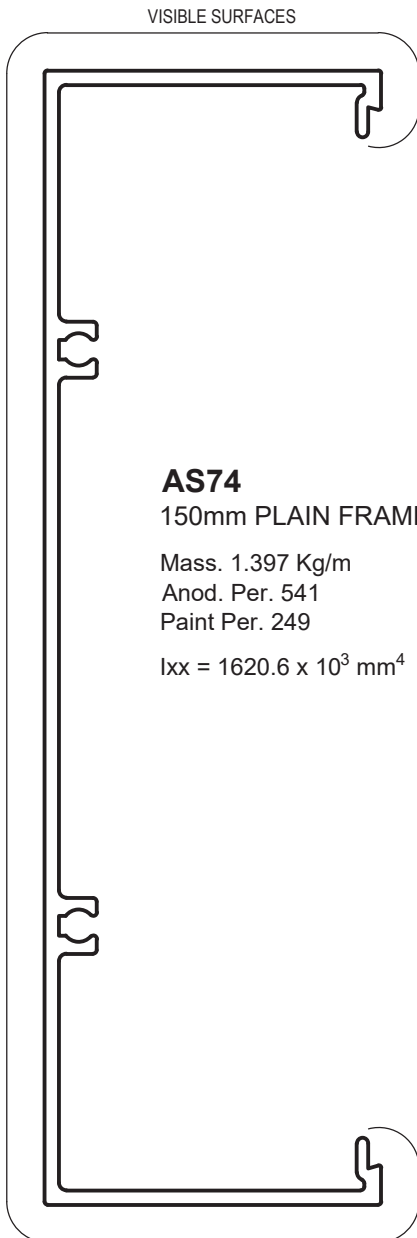
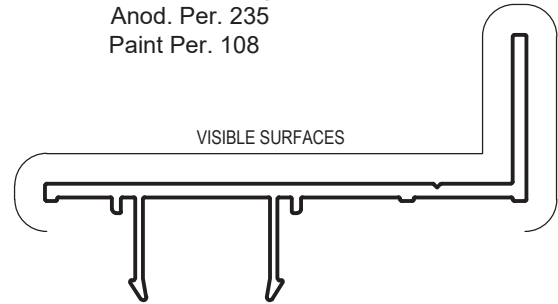


ME85
45mm DOOR STOP
(FOR 150mm FRAME)

Mass. 0.376 Kg/m
Anod. Per. 171
Paint Per. 100

ME82
35mm SASH ADAPTOR

Mass. 0.504 Kg/m
Anod. Per. 235
Paint Per. 108



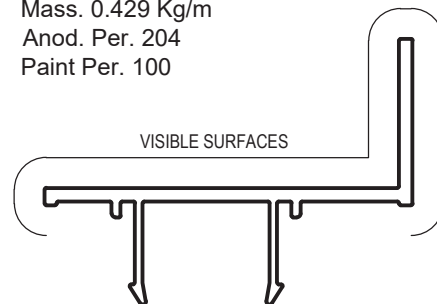
AS74
150mm PLAIN FRAME

Mass. 1.397 Kg/m
Anod. Per. 541
Paint Per. 249

$I_{xx} = 1620.6 \times 10^3 \text{ mm}^4$

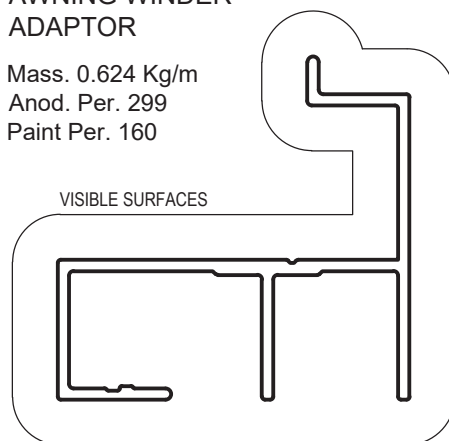
ME80
50mm SASH ADAPTOR

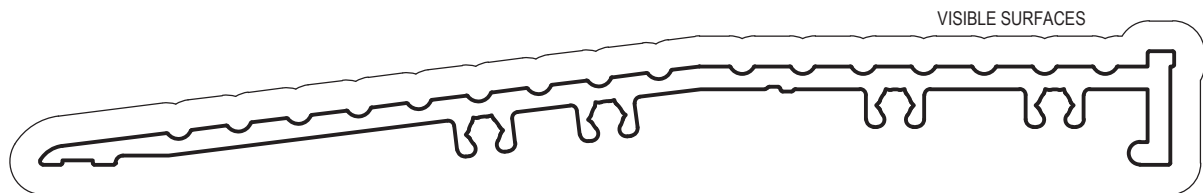
Mass. 0.429 Kg/m
Anod. Per. 204
Paint Per. 100



ASW43
AWNING WINDER
ADAPTOR

Mass. 0.624 Kg/m
Anod. Per. 299
Paint Per. 160





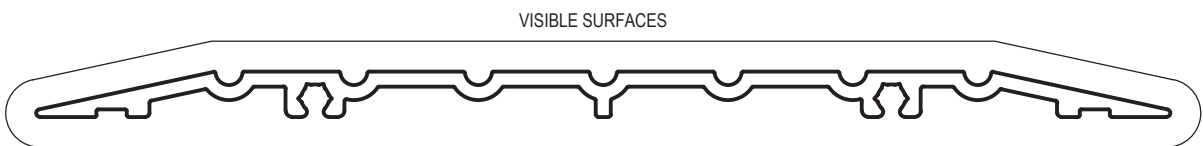
AS1857

150mm DISABLED RAMP
THRESHOLD

Mass. 1.439 Kg/m

Anod. Per. 422

Paint Per. 181



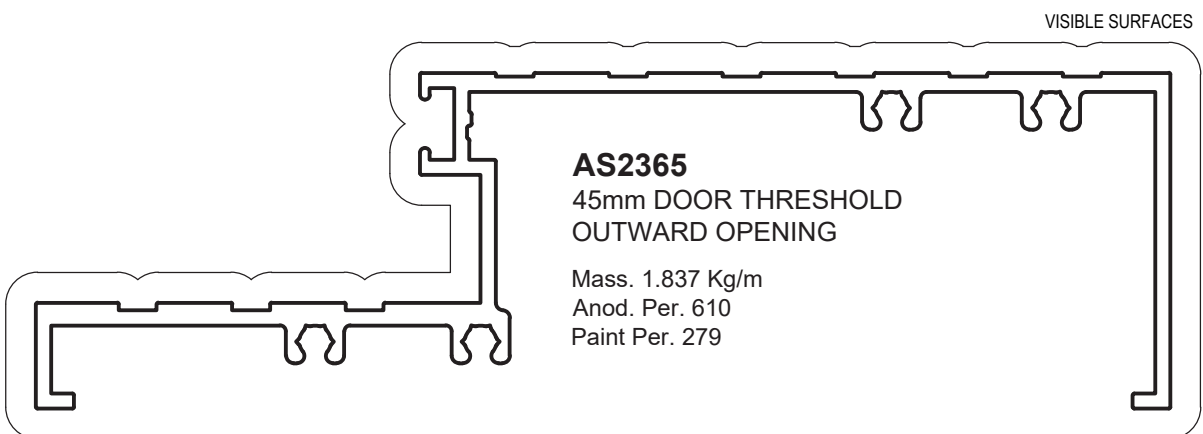
AS1802

150mm LOW PROFILE THRESHOLD

Mass. 0.990 Kg/m

Anod. Per. 365

Paint Per. 167



AS2365

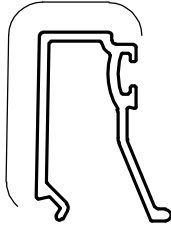
45mm DOOR THRESHOLD
OUTWARD OPENING

Mass. 1.837 Kg/m

Anod. Per. 610

Paint Per. 279

VISIBLE SURFACES

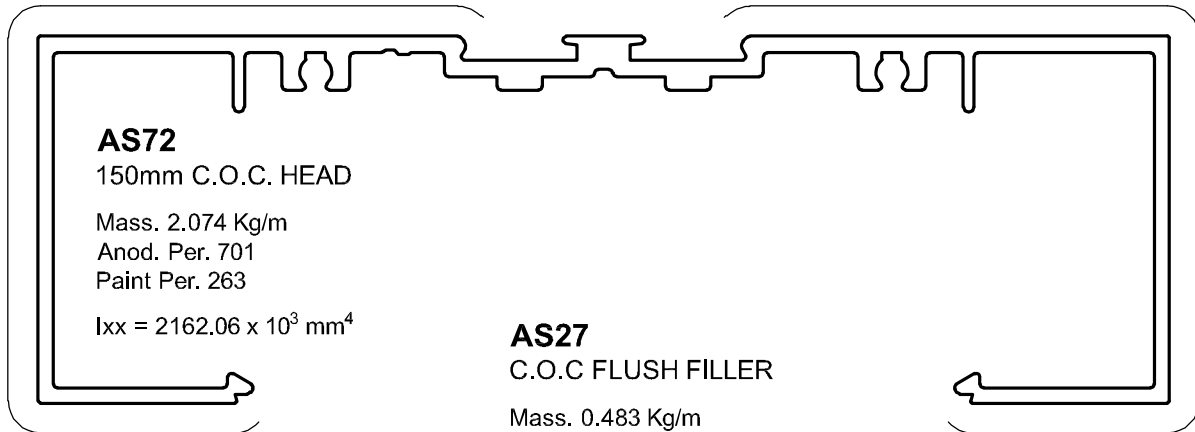


ME23

C.O.C. GLAZING BEAD

Mass. 0.235 Kg/m
Anod. Per. 136
Paint Per. 100

VISIBLE SURFACES



AS72

150mm C.O.C. HEAD

Mass. 2.074 Kg/m
Anod. Per. 701
Paint Per. 263

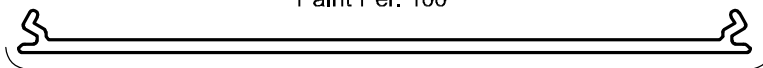
$I_{xx} = 2162.06 \times 10^3 \text{ mm}^4$

AS27

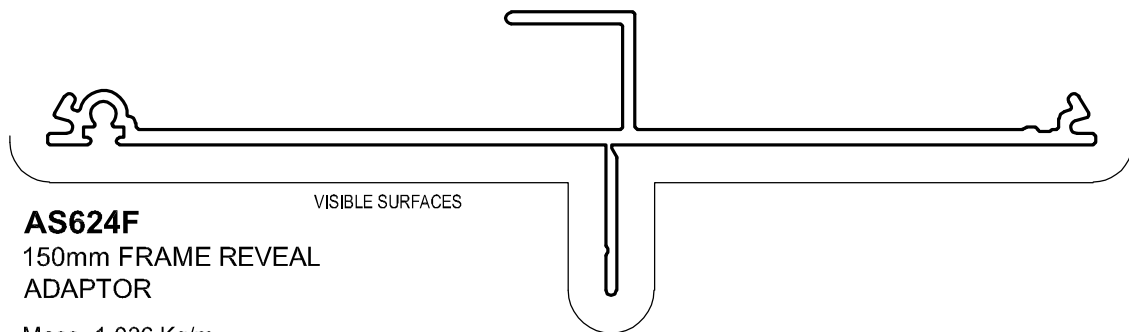
C.O.C FLUSH FILLER

Mass. 0.483 Kg/m
Anod. Per. 214
Paint Per. 100

VISIBLE SURFACES



VISIBLE SURFACES



AS624F

150mm FRAME REVEAL
ADAPTOR

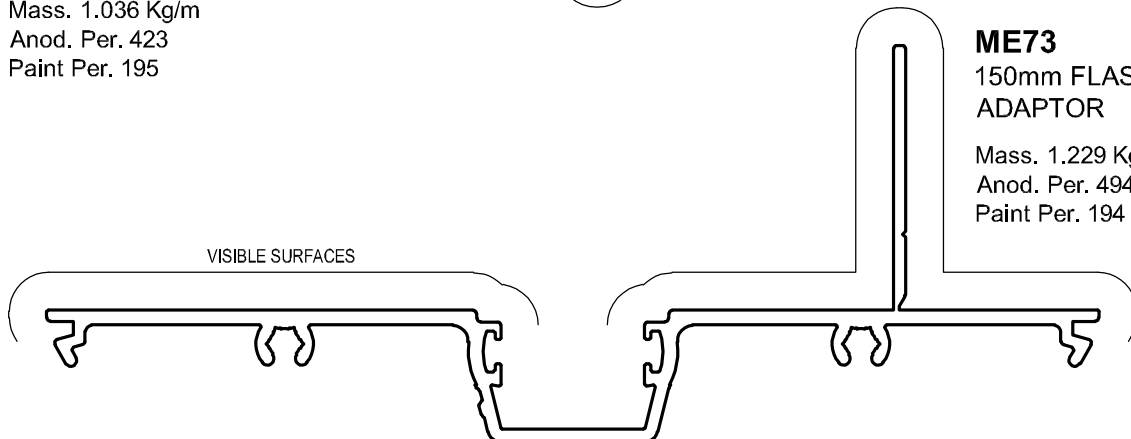
Mass. 1.036 Kg/m
Anod. Per. 423
Paint Per. 195

ME73

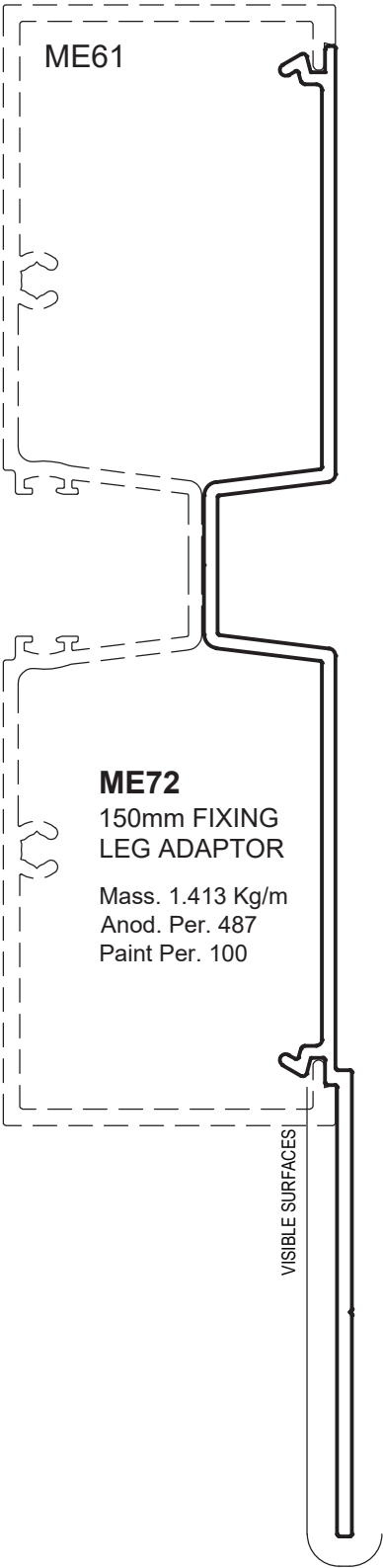
150mm FLASHING
ADAPTOR

Mass. 1.229 Kg/m
Anod. Per. 494
Paint Per. 194

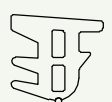
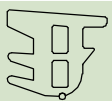
VISIBLE SURFACES







Glazing Wedges

IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	2mm	PVC	1376132	GR32 GLAZING WEDGE (2mm GAP) x 200m ROLL
	3mm	PVC	1313055	GR43 GLAZING WEDGE (BROWN) (3mm GAP) PVC x 200m ROLL
		S/PRENE	1313063	GR43S GLAZING WEDGE (BROWN) (3mm GAP) S/PRENE x 200m ROLL
	4mm	PVC	1313056	GR44 GLAZING WEDGE (WHITE) (4mm GAP) PVC x 200m ROLL
		S/PRENE	1313064	GR44S GLAZING WEDGE (WHITE) (4mm GAP) S/PRENE x 200m ROLL
	5mm	PVC	1313057	GR45 GLAZING WEDGE (BLUE) (5mm GAP) PVC x 150m ROLL
		S/PRENE	1313065	GR45S GLAZING WEDGE (BLUE) (5mm GAP) S/PRENE x 150m ROLL
	6mm	PVC	1313058	GR46 GLAZING WEDGE (YELLOW) (6mm GAP) PVC x 150m ROLL
		S/PRENE	1313066	GR46S GLAZING WEDGE (YELLOW) (6mm GAP) S/PRENE x 150m ROLL
	7mm	PVC	1313059	GR47 GLAZING WEDGE (RED) (7mm GAP) PVC x 150m ROLL
		S/PRENE	1313062	GR47S GLAZING WEDGE (RED) (7mm GAP) S/PRENE x 150m ROLL
	8mm	PVC	1313060	GR48 GLAZING WEDGE (ORANGE) (8mm GAP) PVC x 150m ROLL
		S/PRENE	1313067	GR48S GLAZING WEDGE (ORANGE) (8mm GAP) S/PRENE x 150m ROLL
	9mm	PVC	1313076	GR50 GLAZING WEDGE (GREEN) (9mm GAP) PVC x 100m ROLL

Backing Gaskets

IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	2mm	PVC	1313079	CE36 CO-EXT BACKING GASKET (2mm GAP) PVC x 100m ROLL
		S/PRENE	1313080	CE36S CO-EXT BACKING GASKET (2mm GAP) S/PRENE x 100m ROLL
	4mm	PVC	1313081	CE37 CO-EXT BACKING GASKET (4mm GAP) PVC x 100m ROLL
		S/PRENE	1313082	CE37S CO-EXT BACKING GASKET (4mm GAP) S/PRENE x 100m ROLL
	6mm	PVC	1313083	CE49 CO-EXT BACKING GASKET (6mm GAP) PVC x 100m ROLL
		S/PRENE	1313084	CE49S CO-EXT BACKING GASKET (6mm GAP) S/PRENE x 100m ROLL
	8.5mm	S/PRENE	1313078	CE52S CO-EXT BACKING GASKET (8.5mm GAP) x 100m ROLL

Seals

IMAGE	PART #	FINISH	DESCRIPTION
	1376079	BLACK (034)	CE308 CO-EXT DOOR BUFFER S/PRENE x 200m ROLL
	1376328	BLACK (034)	CE8 CO-EXT DOOR BUFFER x 100m ROLL
	1376345	BLACK (034)	CE5.5 CO-EXT BULB SEAL (5.5mm DIAMETER) x 250m ROLL
	1376413	BLACK (034)	LIP SEAL 4.8mm x 200m
	1377408	BLACK (034)	PS11 11mm FRINGE PILE x 100m

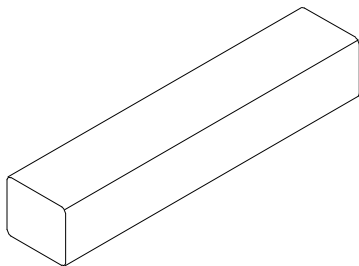
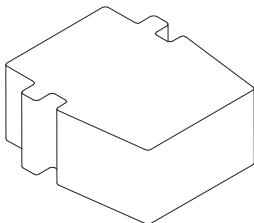
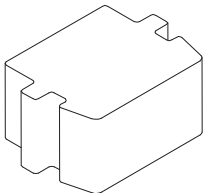
Fasteners

SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382644	SQUARE #2	10g x 1 (25mm) 304SS SQ #2 PAN S/TAP SCREW x 1000	MAIN FRAME
1382054	PHILLIPS #2	10g x 1 (25mm) SS PHIL PAN S/TAP SCREW x 500	MAIN FRAME
1382095	PHILLIPS #2	10g x 1 (25mm) SS PHILLIPS CSK S/TAP x 200	MULLION

Frame Joint Gaskets

PART #	DESCRIPTION	FINISH
1385512	FJG45 FRAME JOINT GASKET PVC FOAM TAPE 45 x 1.6mm 45.7m	BLACK (034)
		GREY (036)
1385552	FJG003 45mm x 150mm 1010 PER ROLL	BLACK (034)
		GREY (036)
1376449	MS6 MULLION SEAL PVC x 200m	BLACK (034)

Accessories



MEA001 SHALLOW POCKET DRAIN BLOCK PAD OF 20	
PART	1385588
FINISH	GREY (036)
QTY	SET

MEA002 DEEP POCKET DRAIN BLOCK PAD OF 20	
PART	1385587
FINISH	GREY (036)
QTY	SET

SETTING BLOCK 13 x 15 x 75mm x BAG OF 50	
PART	1376730
FINISH	GREY (036)
QTY	BAG

Silicone



100% NEUTRAL CURE SILICONE

- Premium 100% silicone
- UV Stable
- Superior adhesion
- Flexible + 25%
- AS4020 Approved



100% MATTE NEUTRAL CURE SILICONE

- Premium 100% silicone
- Matte finish
- UV Stable
- Outstanding elongation
- Higher strength



4:1 CLADDING SILICONE

- Premium 100% silicone
- UV Stable
- Superior adhesion
- Movement capability + 50%



WET AREA SILICONE

- Premium 100% silicone
- Mould inhibited
- Movement capability + 25%
- UV Stable
- Non corrosive
- Superior adhesion



HYBRID PU ADHESIVE SEALANT

- No isocyanates
- Internal/External
- No shrinking/staining
- Paintable
- Excellent adhesion



20 ACETIC CURE SILICONE

- Premium 100% silicone
- UV Stable
- Superior adhesion
- Flexible + 25%



D60 SILICONE

- Premium 100% silicone
- UV Stable
- 2-5 minute skin time
- Flexible + 25%
- No slump

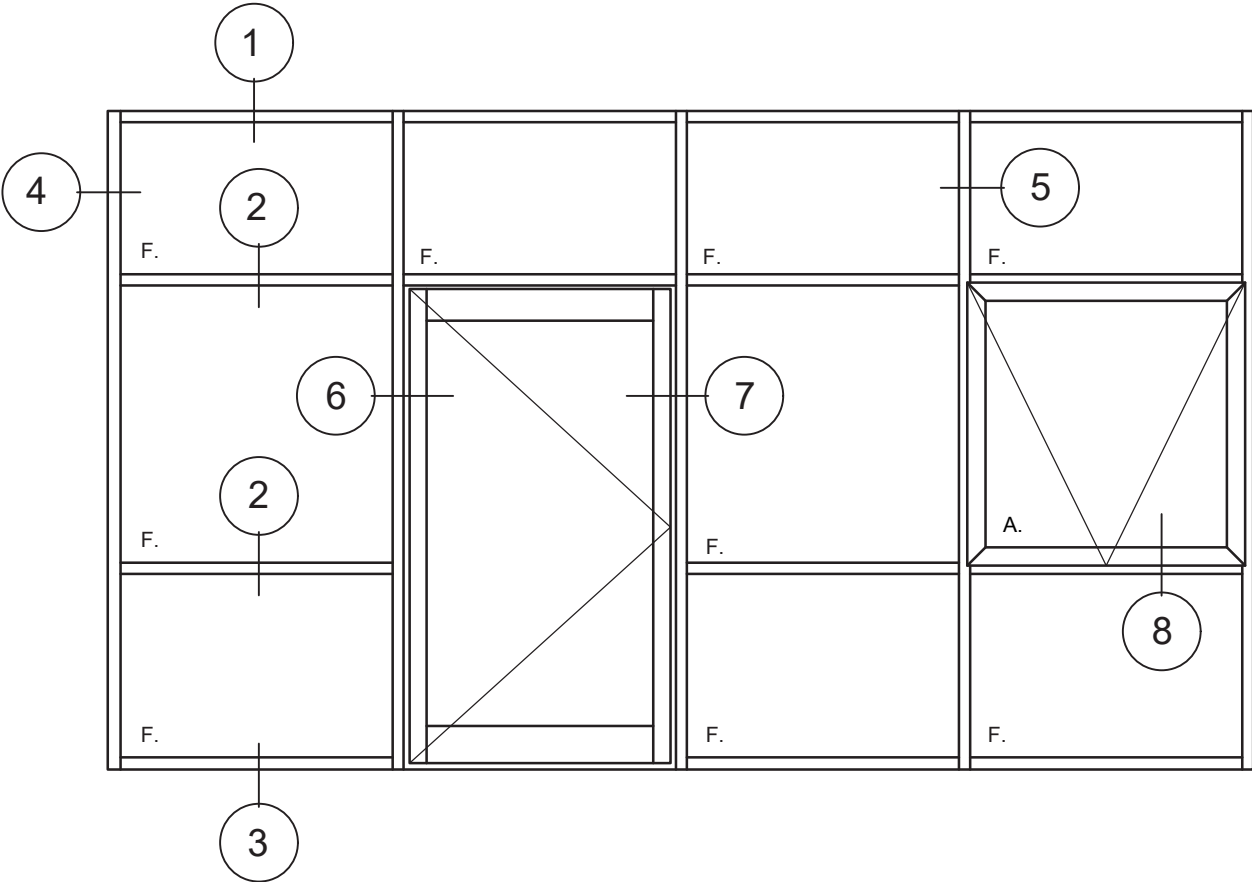
*For more information on silicones,
please refer to **Alspec Silicone Brochure**.



6. Hardware & Component

Silicone Product Codes

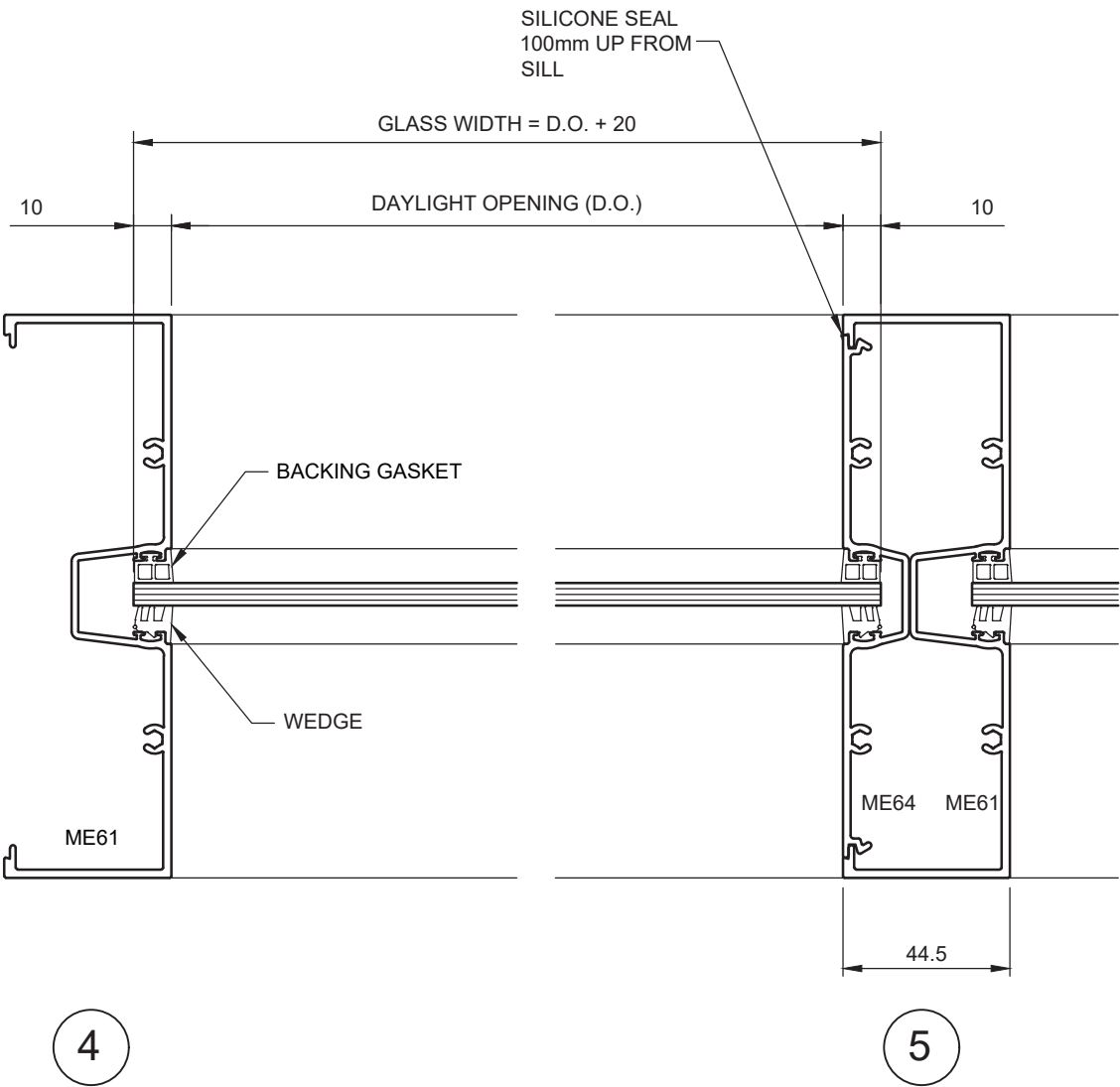
Product Category	Item No.	Alspec Part No. Code	Description	Finish	Pack
ALSPEC 100%	1	1386113	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALMOND IVORY	CARTRIDGE
	2	1386114	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALUMINIUM	CARTRIDGE
	3	1386105	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	BLACK	CARTRIDGE
	4	1386140	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	CAULFIELD GREEN	CARTRIDGE
	5	1386111	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	CLASSIC CREAM	CARTRIDGE
	6	1386108	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	GREY	CARTRIDGE
	7	1386138	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	MONUMENT	CARTRIDGE
	8	1386112	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	OFF WHITE	CARTRIDGE
	9	1386141	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	STONE BEIGE	CARTRIDGE
	10	1386101	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	TRANSLUCENT	CARTRIDGE
	11	1386106	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	WHITE	CARTRIDGE
	12	1386143	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	WOODLAND GREY	CARTRIDGE
ALSPEC 100% MATT	13	1386103	ALSPEC 100% NEUTRAL CURE SILICONE x 420g CAT	BLACK MATT	CARTRIDGE
	14	1386107	ALSPEC 100% NEUTRAL CURE SILICONE x 420g CAT	GREY MATT	CARTRIDGE
	15	1386144	ALSPEC 100% NEUTRAL CURE SILICONE x 420g CAT	WHITE MATT	CARTRIDGE
ALSPEC 20	16	1386115	ALSPEC 20 SILICONE x 310g CAT	TRANSLUCENT	CARTRIDGE
ALSPEC 41 CLADDING	17	1386159	ALSPEC 41 SILICONE x 400g CAT	BLACK MATT	CARTRIDGE
	18	1386117	ALSPEC 41 SILICONE x 600ml SAU	BLACK MATT	SAUSAGE
	19	1386158	ALSPEC 41 SILICONE x 400g CAT	LIGHT GREY MATT	CARTRIDGE
	20	1386118	ALSPEC 41 SILICONE x 600ml SAU	LIGHT GREY MATT	SAUSAGE
	21	1386157	ALSPEC 41 SILICONE x 400g CAT	WHITE MATT	CARTRIDGE
	22	1386145	ALSPEC 41 SILICONE x 600ml SAU	WHITE MATT	SAUSAGE
ALSPEC D60	23	1386121	ALSPEC D60 SILICONE x 310g CAT	BLACK	CARTRIDGE
	25	1386123	ALSPEC D60 SILICONE x 310g CAT	GREY	CARTRIDGE
	26	1386120	ALSPEC D60 SILICONE x 310g CAT	TRANSLUCENT	CARTRIDGE
	27	1386124	ALSPEC D60 SILICONE x 310g CAT	WHITE	CARTRIDGE
ALSPEC HYBRID PU	28	1386127	ALSPEC HYBRID PU x 480g CAT	BLACK	CARTRIDGE
	29	1386126	ALSPEC HYBRID PU x 600ml SAU	BLACK	SAUSAGE
	30	1386160	ALSPEC HYBRID PU x 480g CAT	GREY	CARTRIDGE
	31	1386128	ALSPEC HYBRID PU x 600ml SAU	GREY	SAUSAGE
	32	1386130	ALSPEC HYBRID PU x 480g CAT	WHITE	CARTRIDGE
	33	1386129	ALSPEC HYBRID PU x 600ml SAU	WHITE	SAUSAGE
ALSPEC WET AREA	34	1386137	ALSPEC WET AREA SILICONE x 310g CAT	ALMOND IVORY	CARTRIDGE
	35	1386139	ALSPEC WET AREA SILICONE x 310g CAT	BLACK	CARTRIDGE
	36	1386146	ALSPEC WET AREA SILICONE x 310g CAT	BLUESTONE	CARTRIDGE
	37	1386147	ALSPEC WET AREA SILICONE x 310g CAT	CHARCOAL	CARTRIDGE
	38	1386136	ALSPEC WET AREA SILICONE x 310g CAT	LIGHT GREY	CARTRIDGE
	39	1386148	ALSPEC WET AREA SILICONE x 310g CAT	MID GREY	CARTRIDGE
	40	1386149	ALSPEC WET AREA SILICONE x 310g CAT	OFF WHITE	CARTRIDGE
	41	1386150	ALSPEC WET AREA SILICONE x 310g CAT	PEWTER	CARTRIDGE
	42	1386151	ALSPEC WET AREA SILICONE x 310g CAT	STONE BEIGE	CARTRIDGE
	43	1386154	ALSPEC WET AREA SILICONE x 310g CAT	TAUPE	CARTRIDGE
	44	1386152	ALSPEC WET AREA SILICONE x 310g CAT	TILE GREY	CARTRIDGE
	45	1386133	ALSPEC WET AREA SILICONE x 310g CAT	TRANSLUCENT	CARTRIDGE
	46	1386153	ALSPEC WET AREA SILICONE x 310g CAT	TRAVERTINE	CARTRIDGE
	47	1386134	ALSPEC WET AREA SILICONE x 310g CAT	WHITE	CARTRIDGE





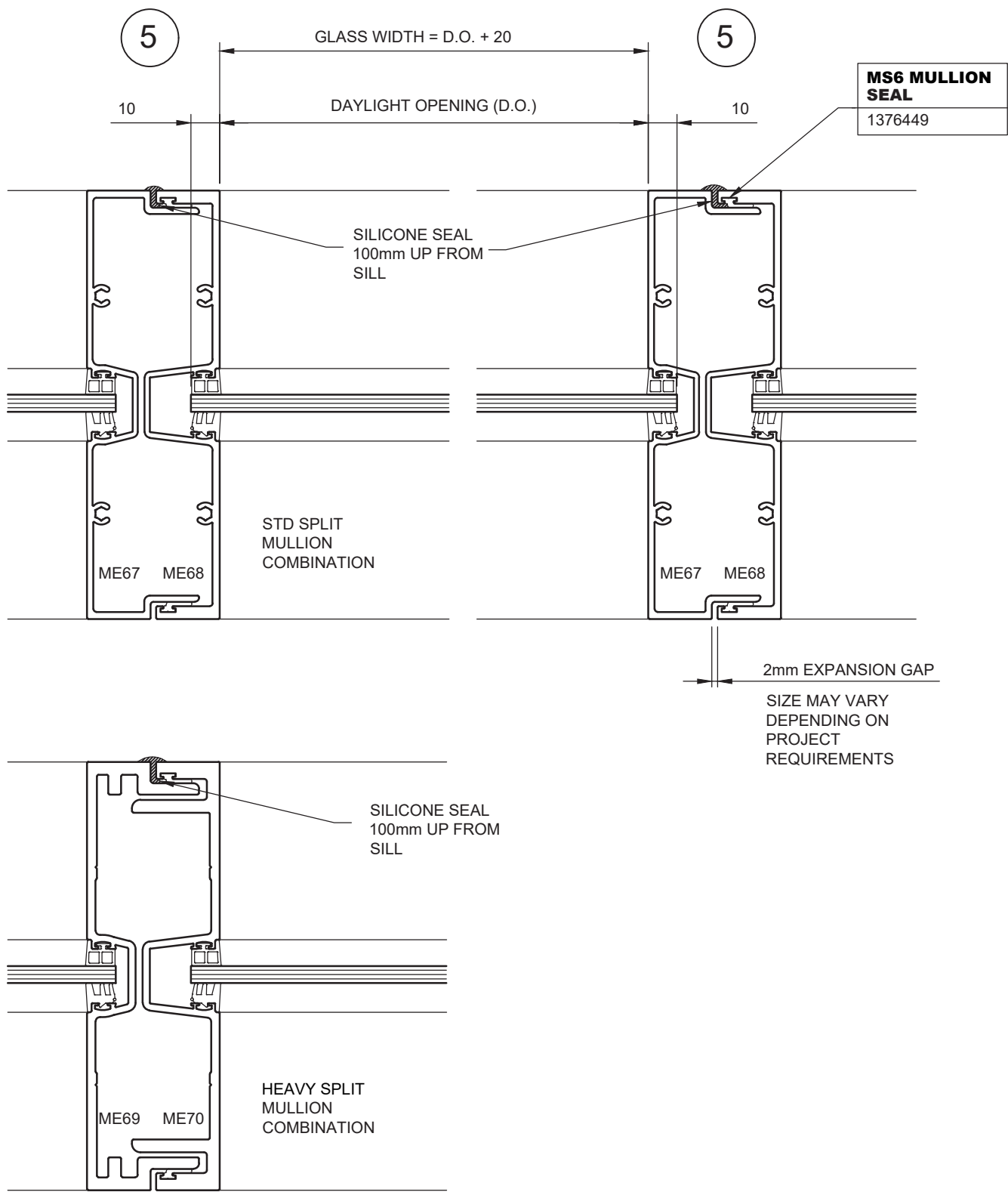
8. Typical Details

Typical Jamb/ Mullion Details



8. Typical Details

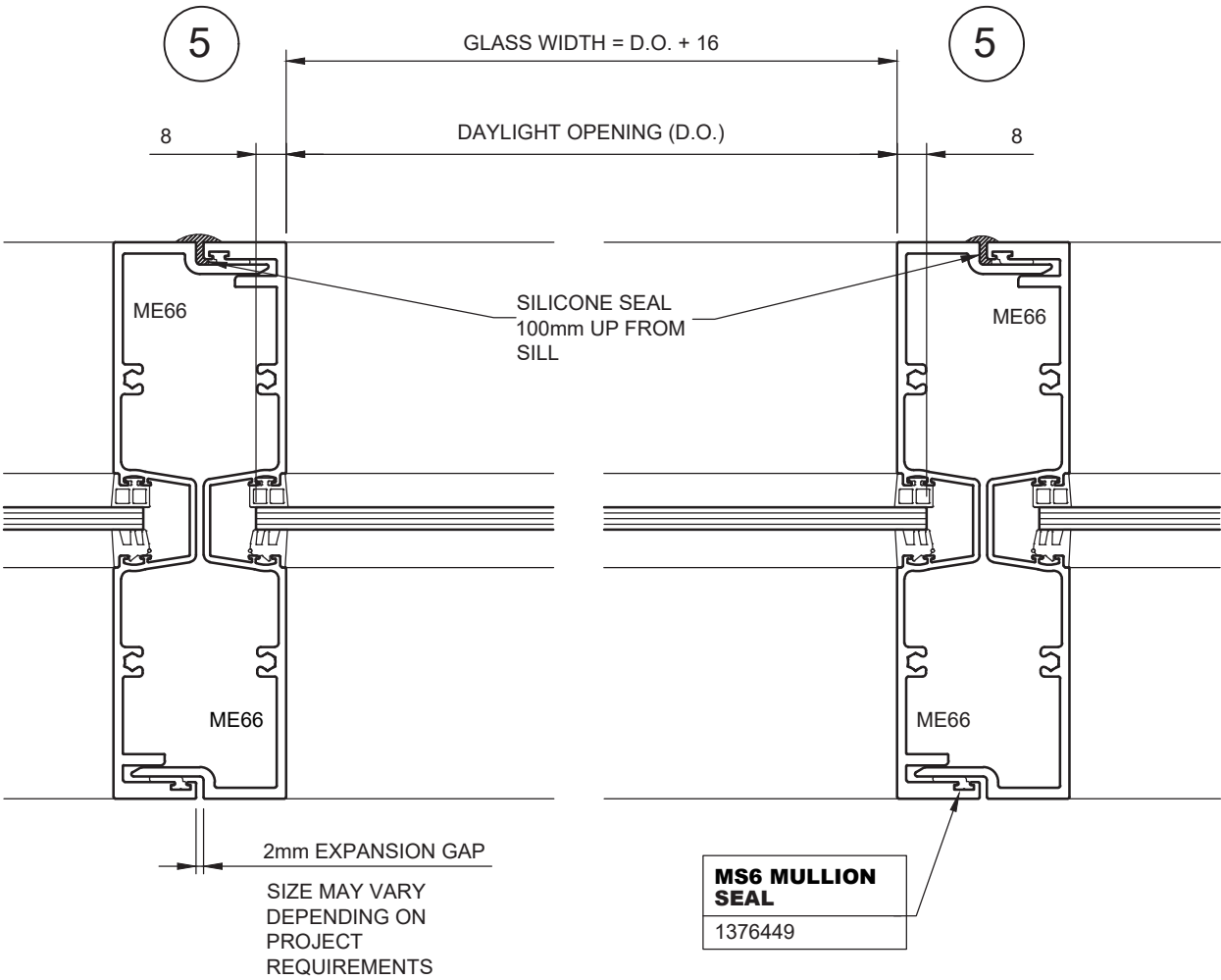
Split Mullion Details - Male/ Female (Max 14mm GLASS)





8. Typical Details

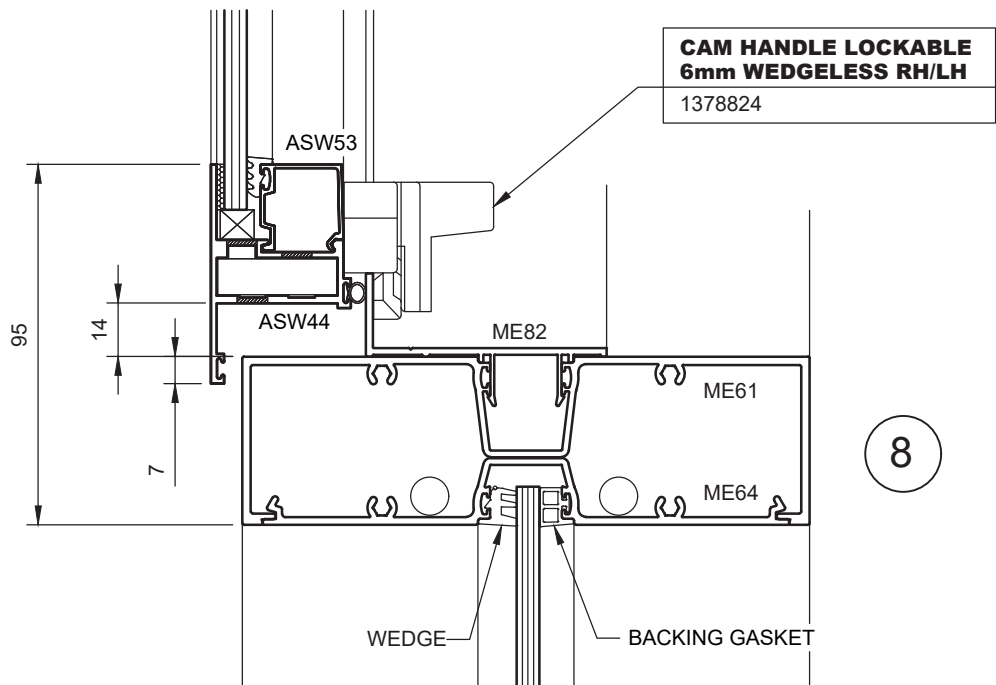
Split Mullion Details - Self Mating (Max 10.5mm GLASS)



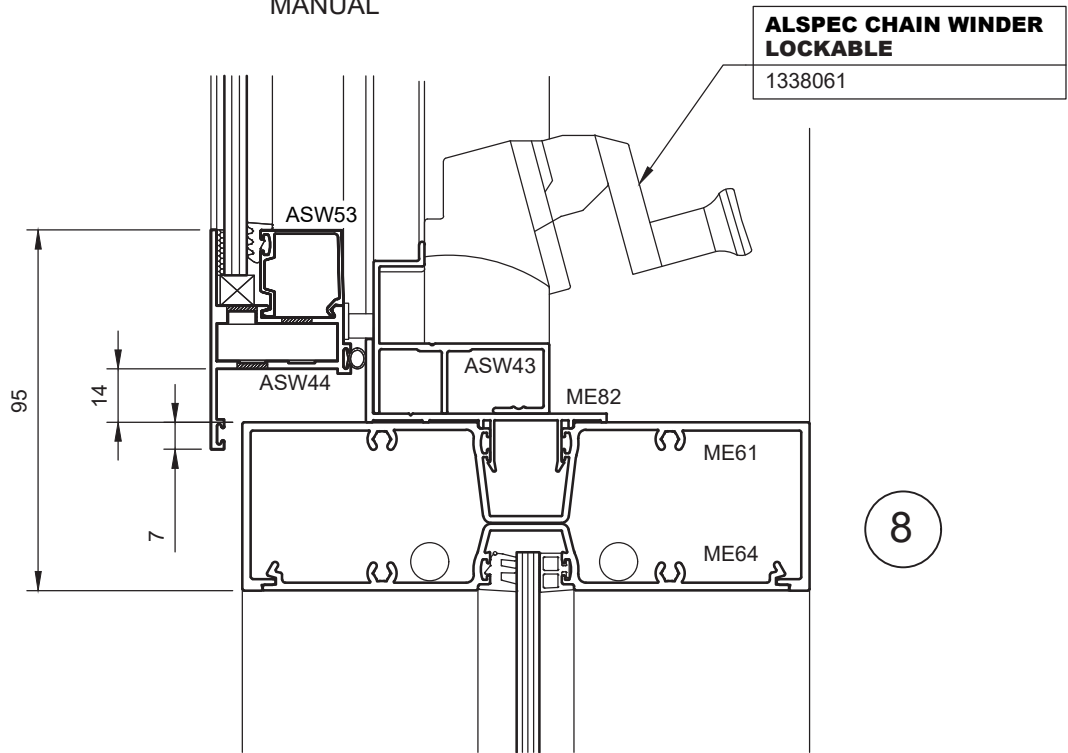


8. Typical Details

Transom Details - 35mm Awnings/ Fixed



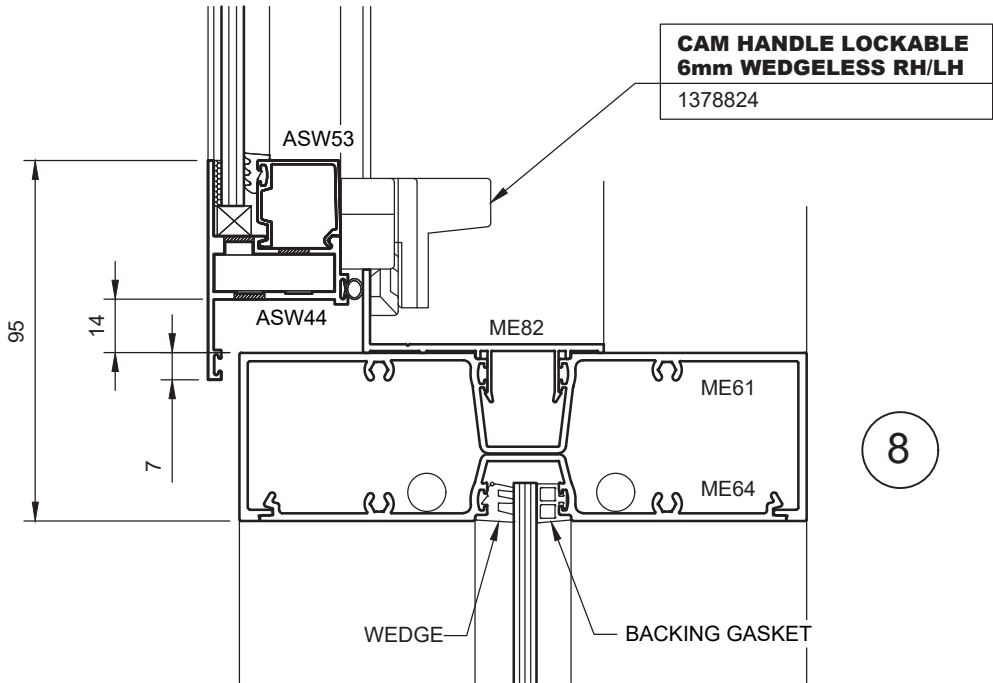
FOR MORE DETAILS
REFER TO AWNING
35mm TECHNICAL
MANUAL



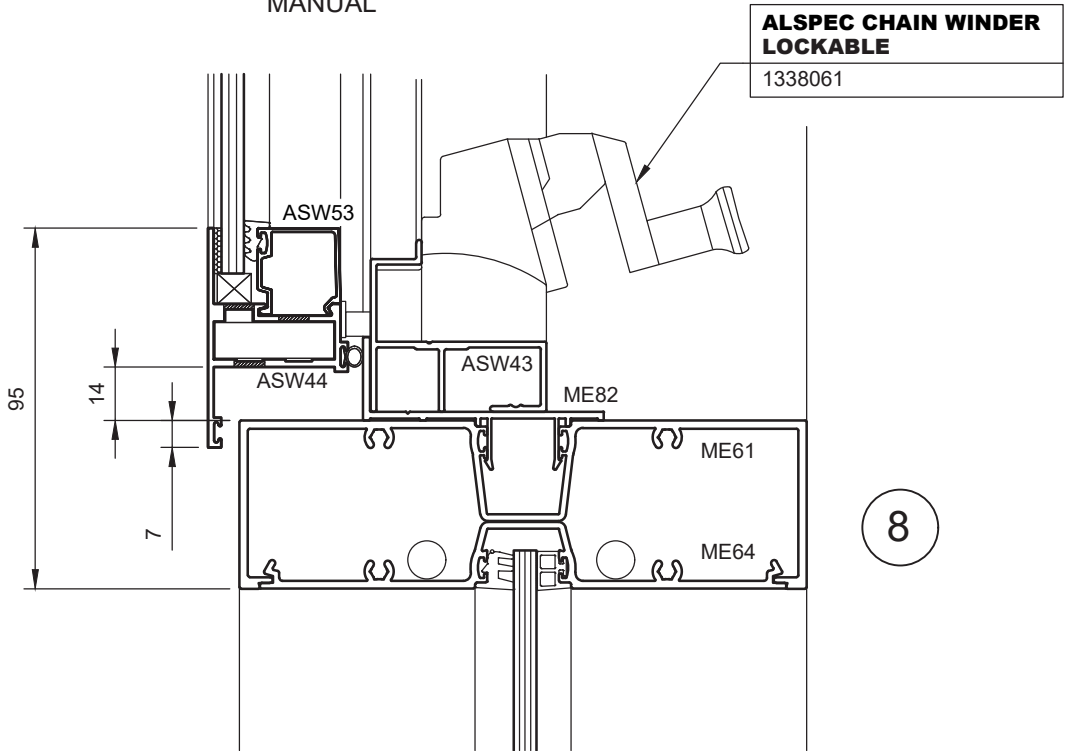


8. Typical Details

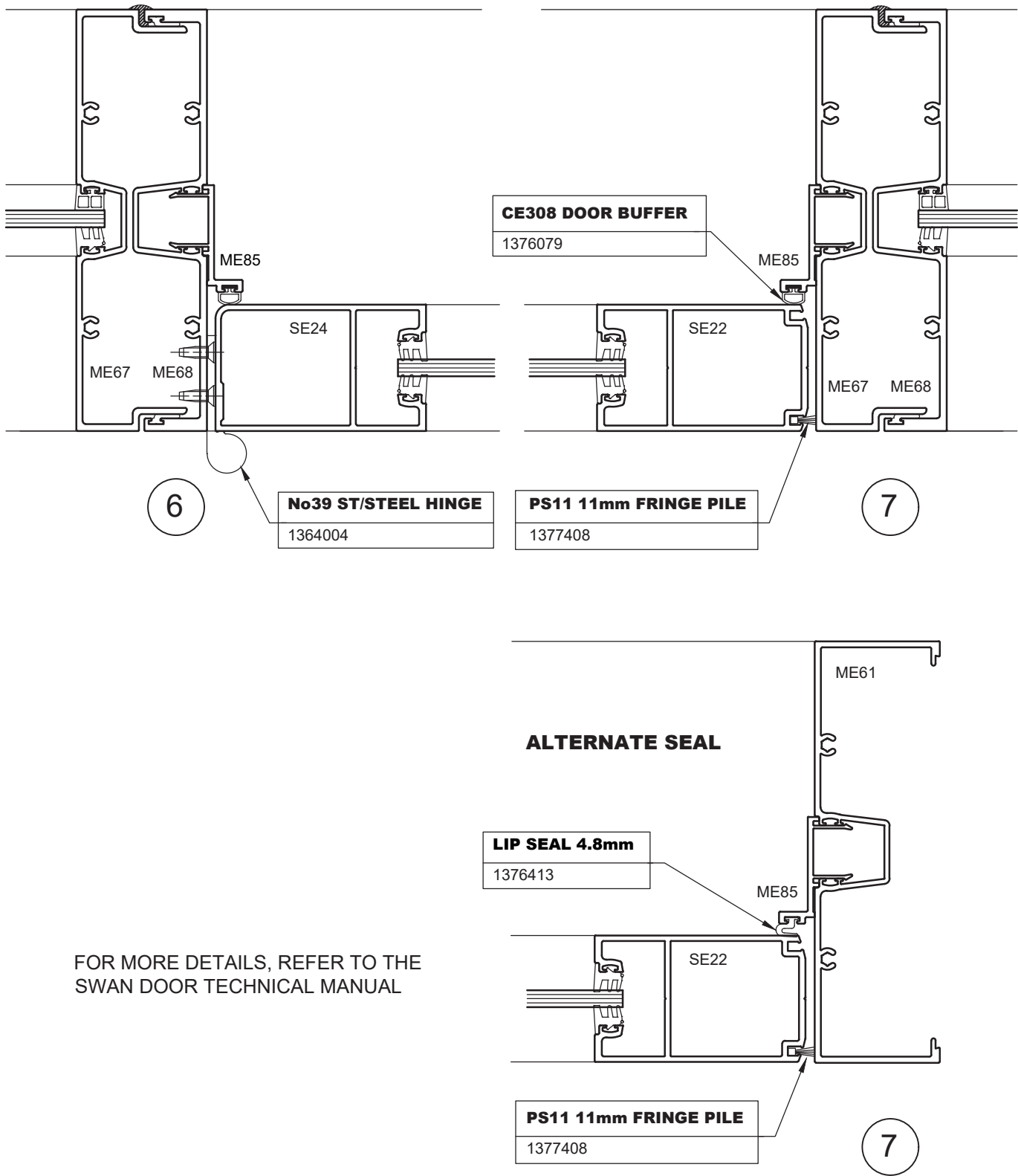
Transom Details - 50mm Awnings/ Fixed



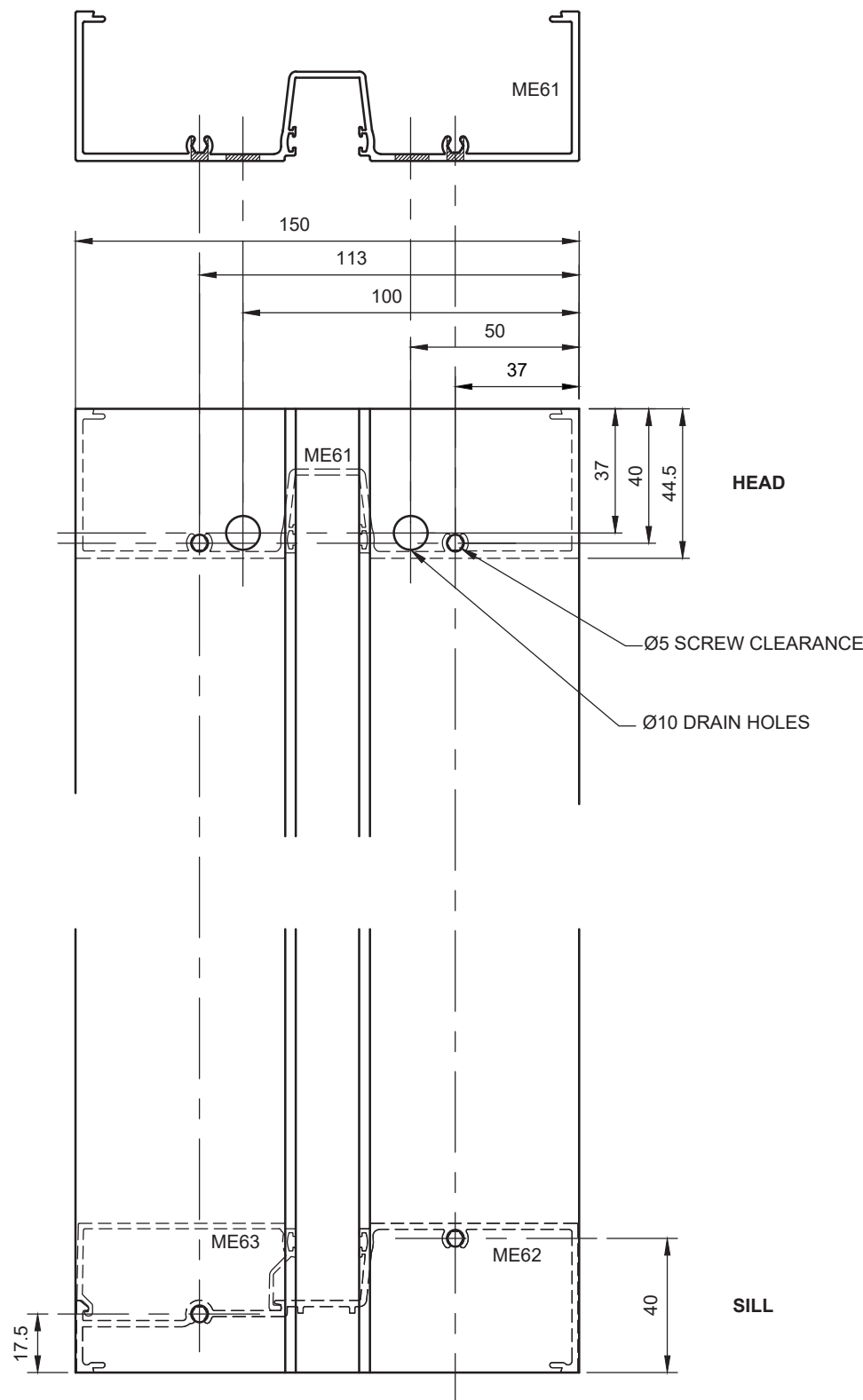
FOR MORE DETAILS
REFER TO AWNING
35mm TECHNICAL
MANUAL



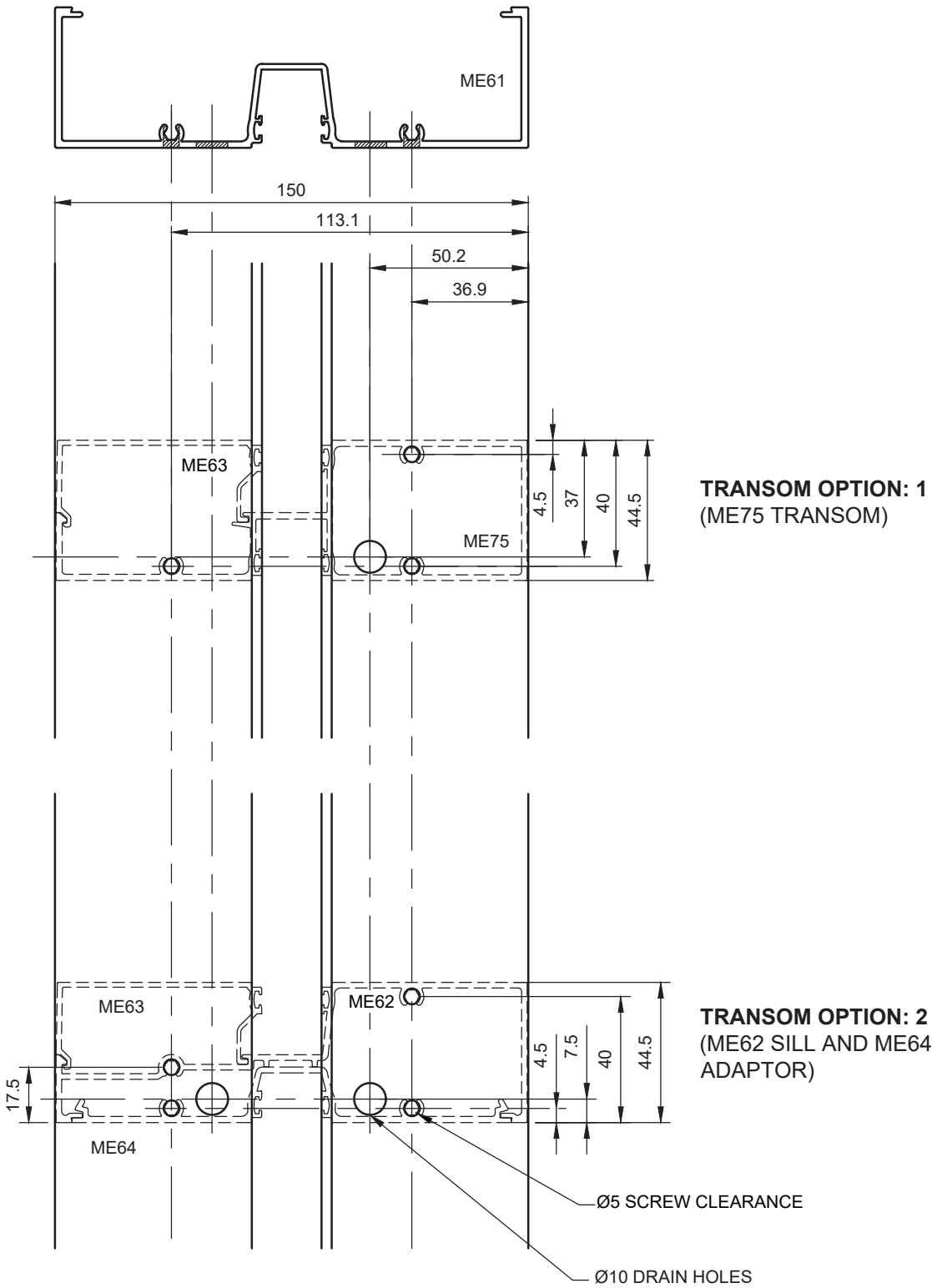
Door Jamb Details



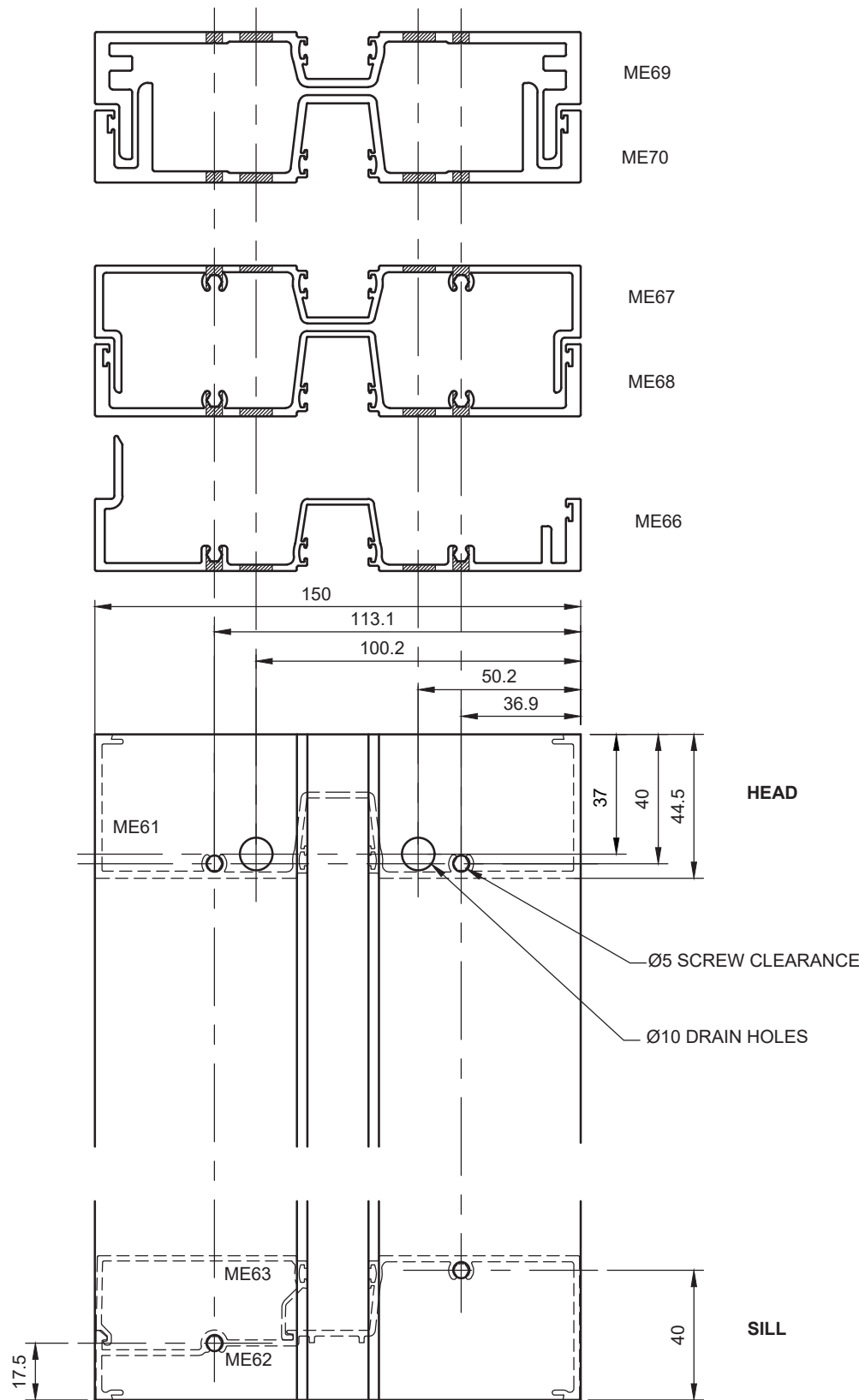
Jamb Preparation - Head/ Sill - External Glaze



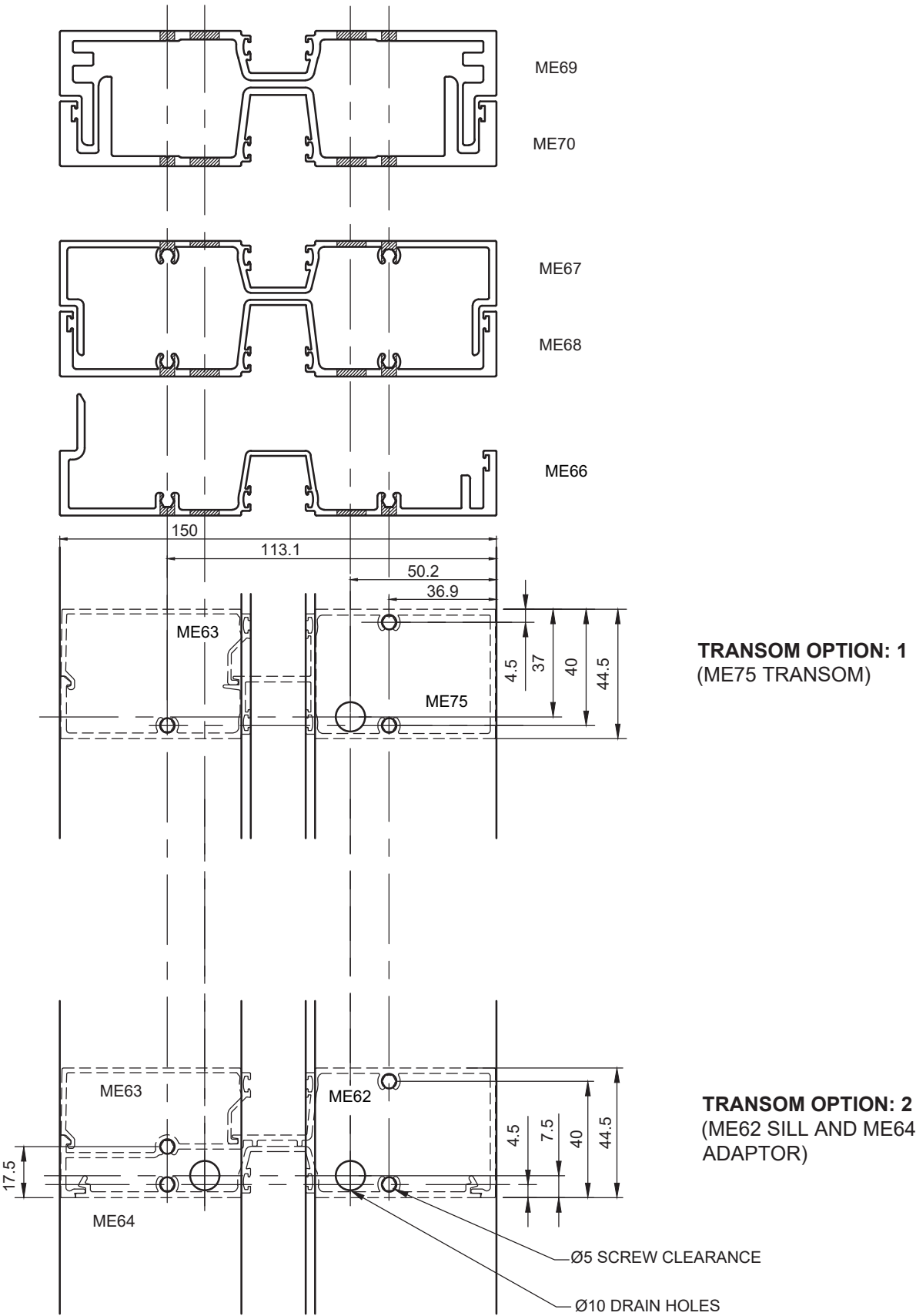
Jamb Preparation - Transom- External Glaze



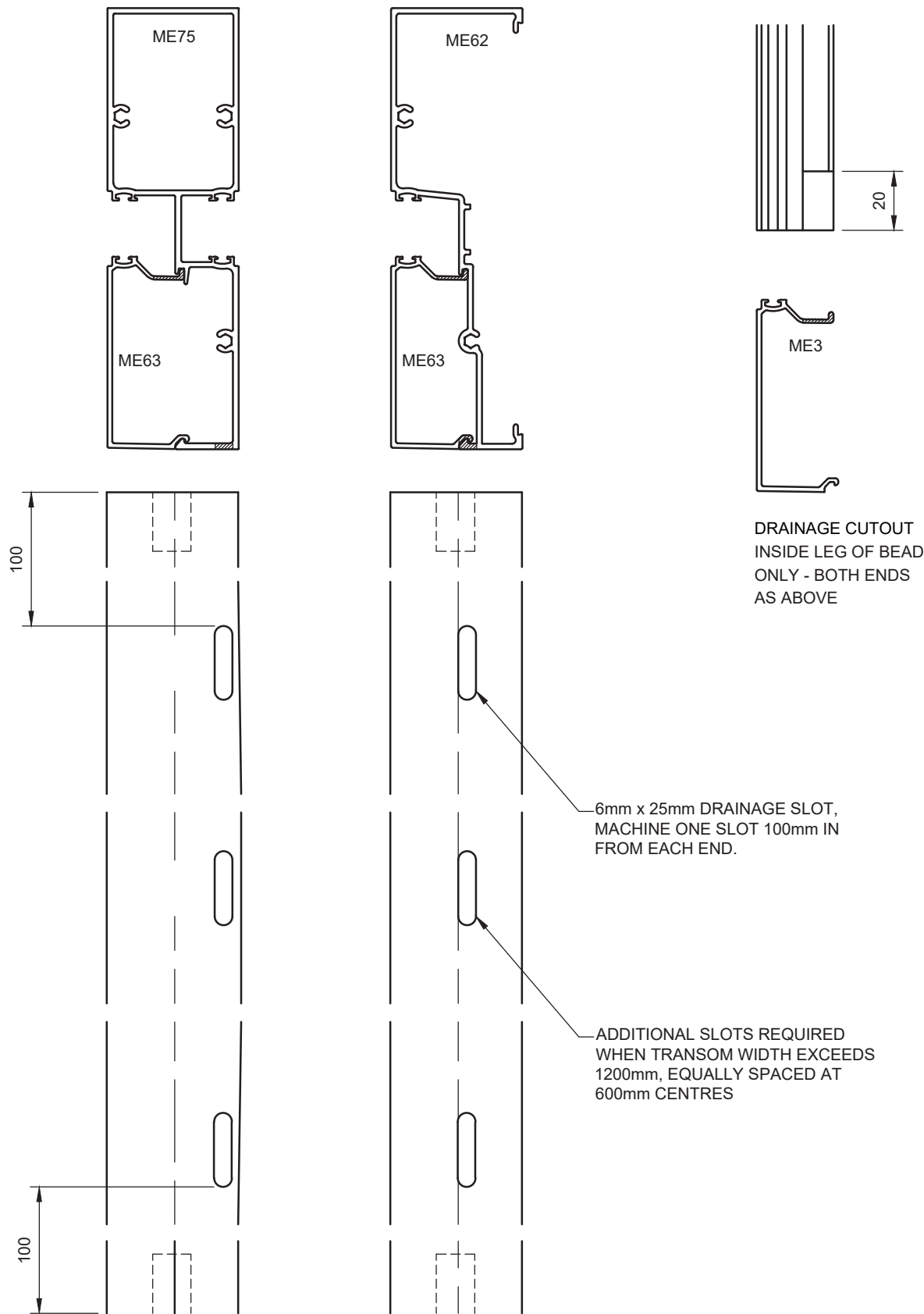
Mullion Preparation - Head / Sill - External Glaze



Mullion Preparation - Transom - External Glaze



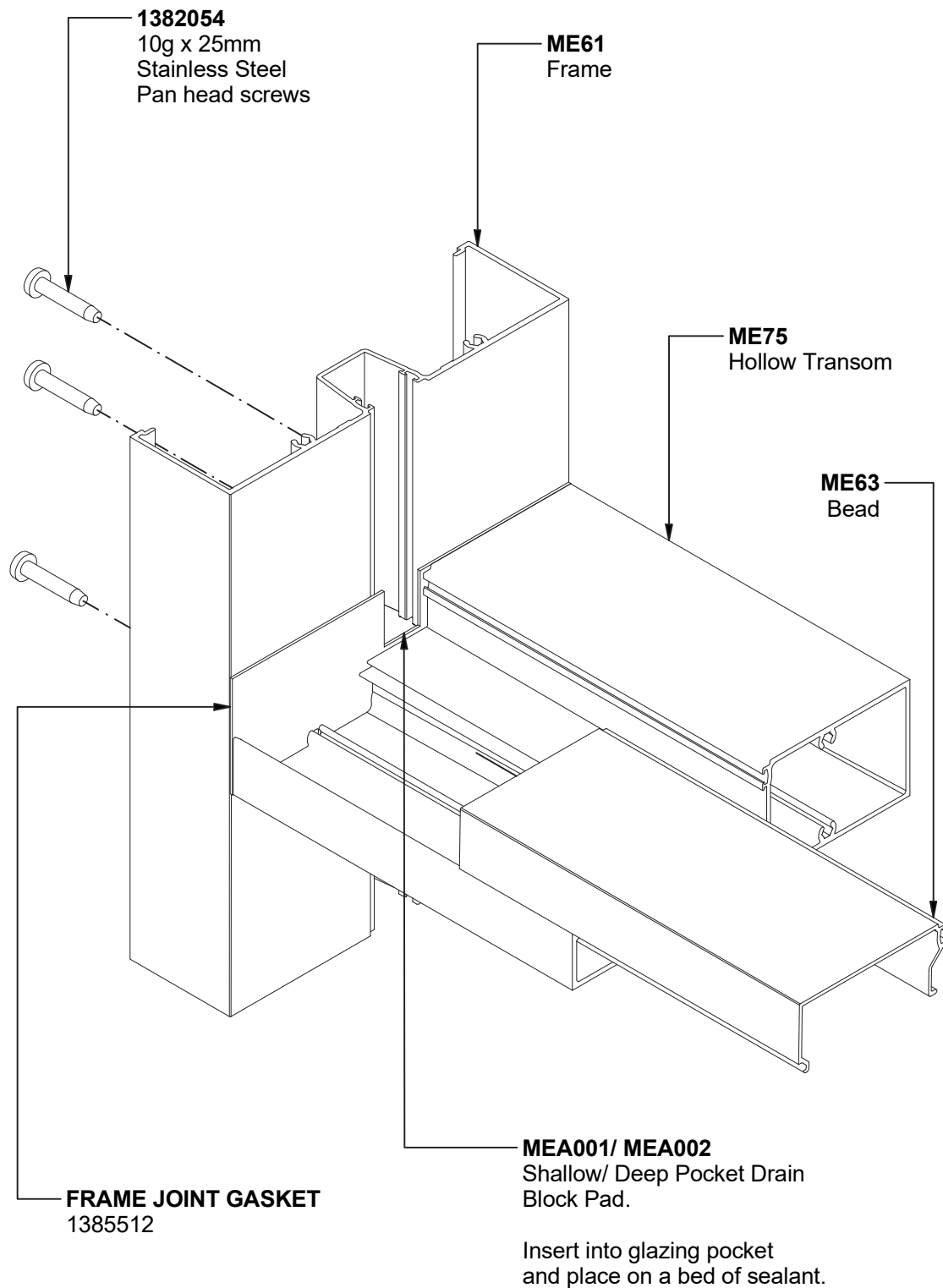
Transom Drainage Preparation - External Glaze



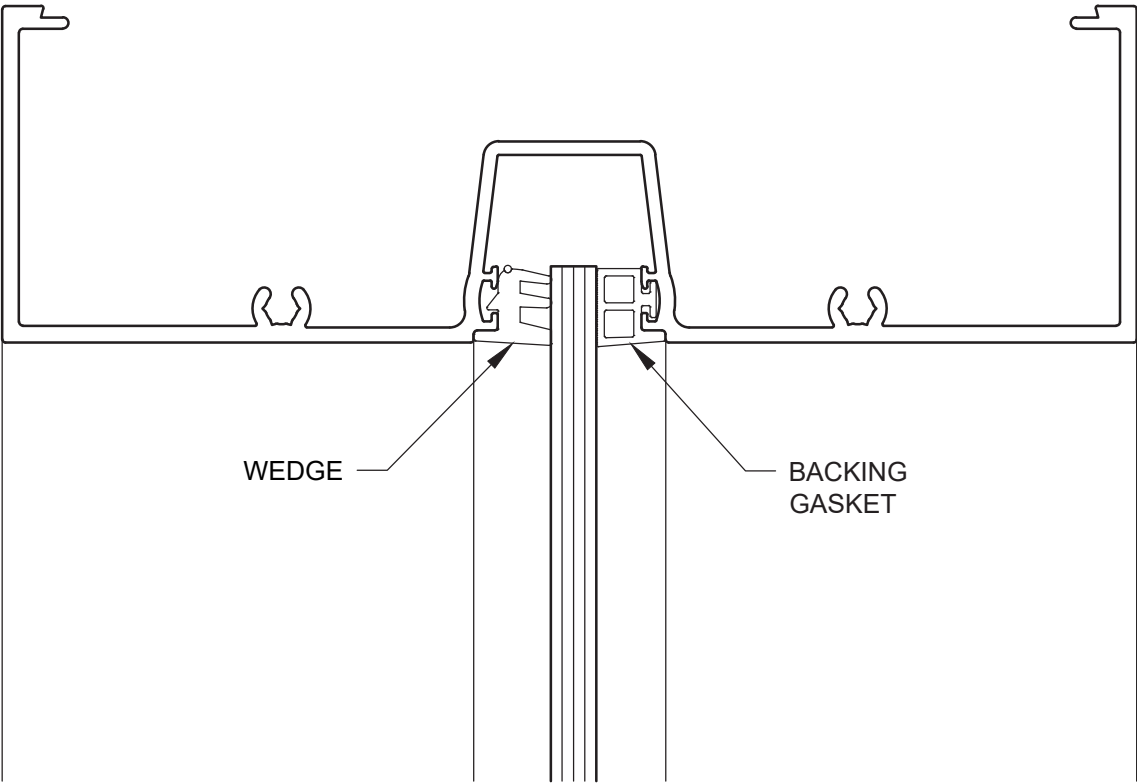


11. Assembly Details

Transom Assembly and Sealing Details

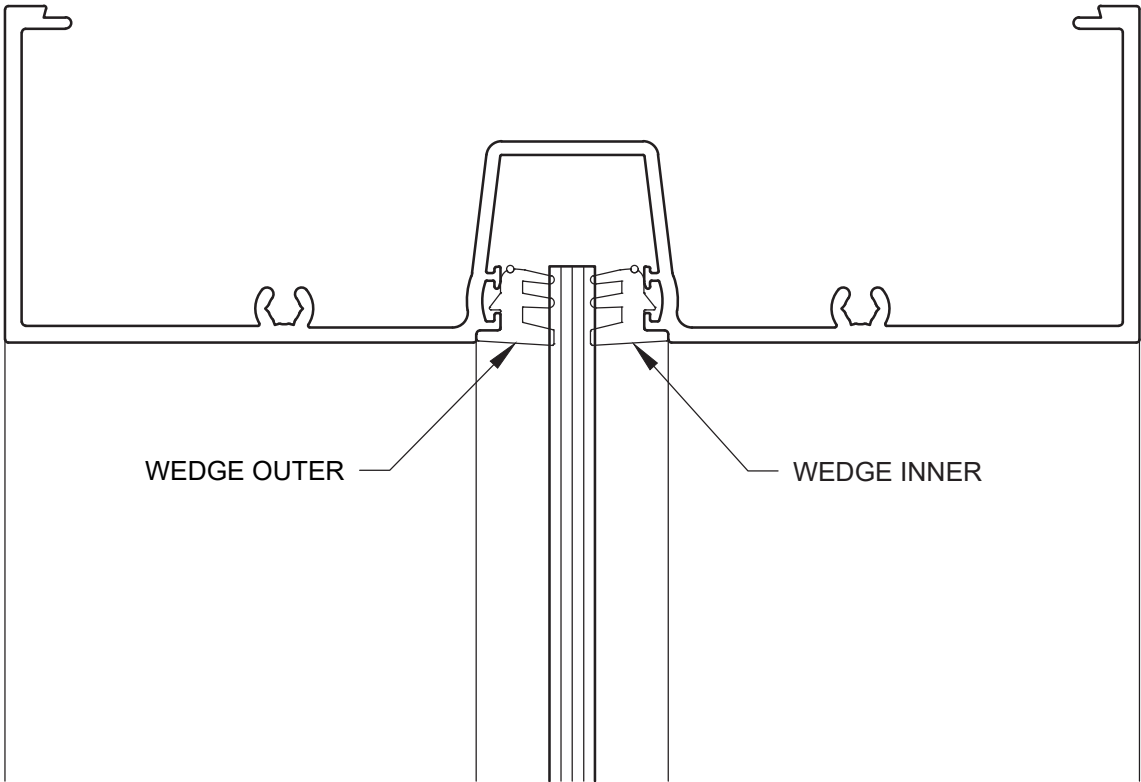


Glazing Details - Captive



	WEDGE		CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)
6/6.38mm	RED	GR47 (7mm)	CE49 (6mm)
8/8.38mm	BLUE	GR45 (5mm)	CE49 (6mm)
9.5mm	BLUE	GR45 (5mm)	CE37 (4mm)
10/10.38mm	BLUE	GR45 (5mm)	CE37 (4mm)
11.5mm	BLUE	GR45 (5mm)	CE36 (2mm)
12/12.38mm	BLUE	GR45 (5mm)	CE36 (2mm)
13.5mm	BROWN	GR43 (3mm)	CE36 (2mm)
14mm	BROWN	GR43 (3mm)	CE36 (2mm)

Glazing Details - Non Captive



	WEDGE INNER		WEDGE OUTER	
GLASS THICKNESS	ID COLOUR	REF. (GAP)	ID COLOUR	REF. (GAP)
6/6.38mm	RED	GR47 (7mm)	YELLOW	GR46 (6mm)
8/8.38mm	BLUE	GR45 (5mm)	YELLOW	GR46 (6mm)
9.5mm	BLUE	GR45 (5mm)	WHITE	GR44 (4mm)
10/10.38mm	BLUE	GR45 (5mm)	WHITE	GR44 (4mm)
11.5mm	BROWN	GR43 (3mm)	WHITE	GR44 (4mm)
12/12.38mm	BROWN	GR43 (3mm)	BROWN	GR43 (3mm)
13.5mm	PURPLE	GR42 (2.5mm)	BROWN	GR43 (3mm)
14mm	-	GR32 (2mm)	-	GR32 (2mm)

FRAMING

Your new **McArthur Evo 150mm Centre Pocket** frames have been manufactured using the highest quality materials available to the Architectural industry. Constructed from Architectural grade aluminium, these products are highly corrosion resistant and exceptionally strong. With a moderate amount of maintenance, the **McArthur Evo 150mm Centre Pocket** frame will retain it's good looks and resist the elements for years to come.

The **McArthur Evo 150mm Centre Pocket** frames are the product of extensive research and development and designed to resist corrosion and rusting, but as with all external elements on the building require some maintenance to keep them looking good and performing well. Depending on how harsh the environment elements are, the maintenance period will vary. Refer to recommended maintenance table below.

Your **McArthur Evo 150mm Centre Pocket** frames should only ever need to be washed down with a soft bristled brush using warm water and mild detergent. Rinse well with fresh water and remove any detergent residue. Strong detergents and abrasive cleaners should never be used to clean the **McArthur Evo 150mm Centre Pocket** frames as they may scratch or damage the surface finish.

MAINTENANCE PERIOD TABLE

ENVIRONMENT	RECOMMENDED MAXIMUM MAINTENANCE INTERVAL
Mild	Six Months
Moderate	Three Months
Tropical/Severe	One Month

Environmental Definitions:

Mild – Being rural, away from the coast and remote from industry and urban activity.

Moderate – Being mainly urban, inland and away from heavy industry.

Tropical – Being coastal/marine, subject to salt deposition and within 15km of the Eastern coast or 10km of the Western coast of Australia.

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