Hunter Evo
101.6mm Flush Glazed Acoustic Framing

Technical Manual

February 2024 | ISSUE B

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Hunter Evo
Flush Glazed Acoustic Framing

Contents

1. Technical Manual Release Notes

This page is intended to record all changes to the **HUNTER EVO 101.6mm FLUSH GLAZED ACOUSTIC 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	12/2019	Tech Manual Release	354
B	05/2021	Removed silicone butt detail from page 7.2 and 8.7	461

ALUMINIUM
Aluminium frames should be manufactured using Alspec's **HUNTER EVO 101.6mm FLUSH GLAZED ACOUSTIC FRAMING** system.

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

HARDWARE
- Glazing wedges shall be Alspec's wedges for **HUNTER EVO 101.6mm FLUSH GLAZED ACOUSTIC FRAMING** to suit External and Internal captive glazing options as detailed on Glazing Details (page 12.1).
- 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 requirements 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 HUNTER EVO 101.6mm FLUSH GLAZED ACOUSTIC FRAMING system should seek confirmation of design wind pressure and deflection criteria from the building designer.

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 a window / door frame, which is 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
STEP 1 →	2400	S	1770	1450	1250	[illegible]	1010
		U	3440	2810	2410	[illegible]	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	Width		800	1000	1200	1400	1600

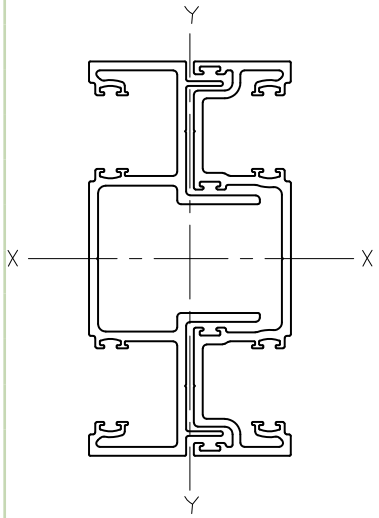
STEP 3 ←

STEP 2 ↑

3. Loading Tables

HE902 & HE903 Mullion Combination

Max Stress = 110Mpa S = Serviceability limit state l/250 U = Ultimate limit state

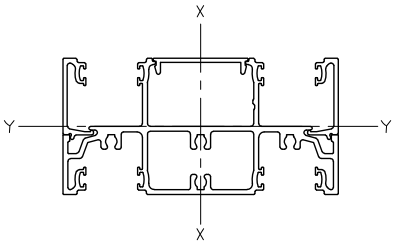
HE902 & HE903 MULLION COMBINATION	Mullion Height		Maximum Design Pressure (Pa)						
	3600	S	780	630	530				
		U	2280	1840	1550				
	3400	S	930	750	640	560	500		
		U	2570	2070	1750	1520	1360		
	3200	S	1120	910	770	670	600	550	510
		U	2910	2350	1990	1730	1550	1410	1310
	3000	S	1370	1110	940	830	740	680	640
		U	3320	2690	2280	1990	1790	1630	1520
	2800	S	1690	1380	1170	1030	930	860	810
		U	3820	3110	2640	2320	2080	1910	1790
	2600	S	2120	1730	1480	1310	1190	1110	1050
		U	4450	3630	3090	2730	2470	2280	2150
	2400	S	2720	2230	1920	1710	1560	1460	1400
		U	5260	4300	3680	3260	2970	2770	2630
	2200	S	3560	2940	2540	2280	2110	2000	1930
		U	6300	5180	4460	3980	3660	3450	3320
	2000	S	4790	3980	3480	3150	2950	2840	2810
		U	7700	6360	5520	4980	4630	4440	4370
	1800	S	6680	5600	4950	4560	4350	4280	4200
		U	9000	8030	7050	6440	6110	6000	5800
Ixx = 1348 x 10^3 mm^4	**Mullion Spacing**		**800**	**1000**	**1200**	**1400**	**1600**	**1800**	**1400**

Tables are based on theoretical section properties.

3. Loading Tables

HE904, HE309 & FP58 Transom

Max Stress = 110Mpa S = Serviceability limit state l/250 U = Ultimate limit state

HE904, HE309 & FP58 TRANSOM	Transom Centres		Maximum Design Loads (Pa)			
	2400	S	966	878		
		U	1815	1650		
	2100	S	1504	1367	1243	
		U	2476	2251	2046	
	1800	S	2553	2321	2110	
		U	3570	3245	2950	
	1500	S	2638	2398	2180	1260
		U	3715	3377	3070	2090
	1200	S	3000	3000	2440	1460
		U	5951	5410	3470	2430
	900	S	3000	3000	2990	1830
		U	7095	6450	4300	3080
	Max Kg		95	95	55	35
Ixx = 664 x 10^3 mm^4 Iyy = 114 x 10^3 mm^4	**Transom Length**		**1200**	**1500**	**1800**	**2100**

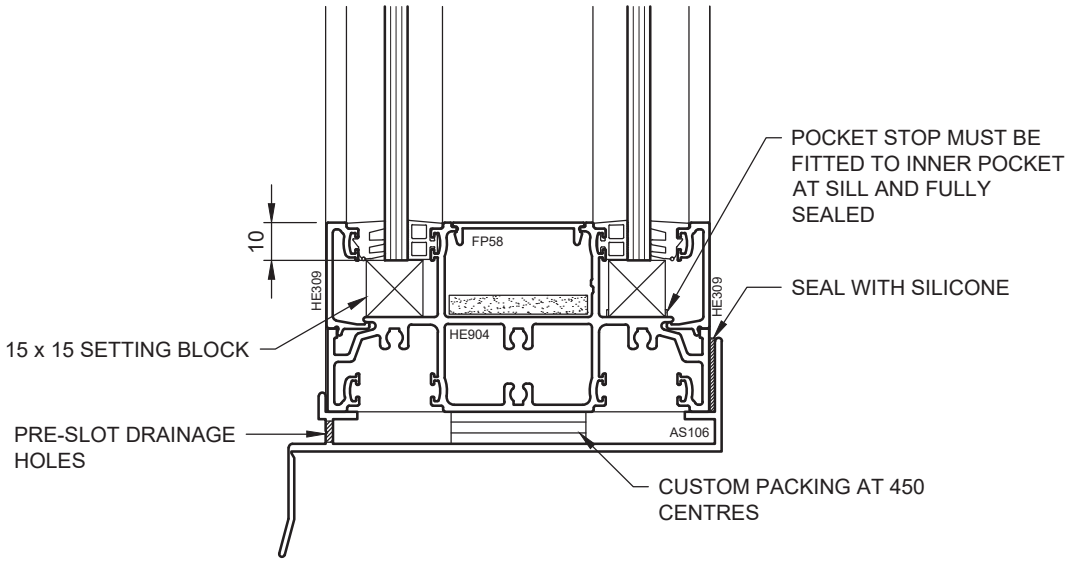
Tables are based on theoretical section properties.

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

4. Test Summary

AS2047 - Fixed/Fixed Over Fixed/Fixed

TEST REPORT:	AS19-394
SYSTEM CONFIGURATION	HUNTER EVO 101.6mm ACOUSTIC FRAME F/F-F/F WITH HE902/ HE903 MULLIONS, HE904/HE309 TRANSOM AND SILL, AS106S SUBSILL
TEST SAMPLE SIZE	3200m H x 2000m W
SERVICEABILITY LOAD	+/- 1162 Pa
ULTIMATE LOAD	+/- 4432 Pa
WATER PENETRATION	1014 Pa
AIR INFILTRATION @ 75 Pa	+ 0.03L/s/m² - 0.31L/s/m²

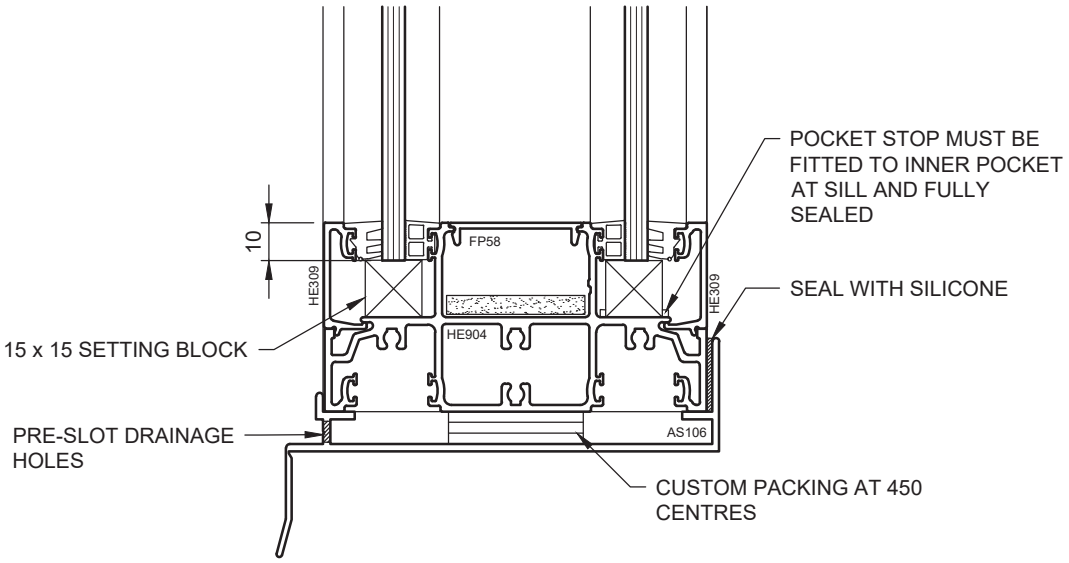


DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with ALSPEC prior to commencement.

4. Test Summary

AS2047 - Fixed/ Fixed

TEST REPORT:	AS19-392
SYSTEM CONFIGURATION	HUNTER EVO 101.6mm ACOUSTIC FRAME F/F WITH HE902/ HE903 MULLIONS, HE904/HE309 SILL, AS106S SUBSILL
TEST SAMPLE SIZE	2100m H x 2000m W
SERVICEABILITY LOAD	+/- 1735 Pa
ULTIMATE LOAD	+/- 5805 Pa
WATER PENETRATION	1017 Pa
AIR INFILTRATION @ 75 Pa	+ 0.09L/s/m² - 0.10L/s/m²



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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

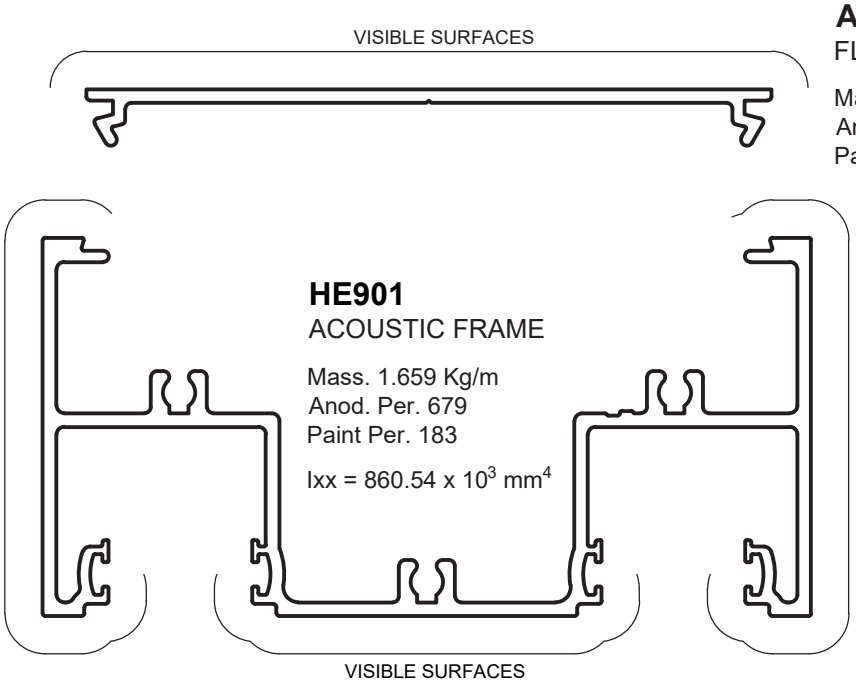
Acoustic - AS/NZS ISO 717.1

HUNTER EVO 101.6mm ACOUSTIC FRAME F/F			
TEST REPORT	**SIZE**	**GLASS**	**Rw**
TL677-01-1	2.1m (H) x 1.8m (W)	6.38mm CLR LAMINATE / 58mm AIR / 6.38mm CLR LAMINATE	43
TL677-05-1	2.1m (H) x 1.8m (W)	12.50mm HUSH LAMINATE / 50mm AIR/ 12.50mm HUSH LAMINATE	49
TL677-03-1	2.1m (H) x 1.8m (W)	12.38mm CLR LAMINATE / 54mm AIR / 6.38mm CLR LAMINATE	45
TL677-04-1	2.1m (H) x 1.8m (W)	12.50mm HUSH LAMINATE / 54mm AIR / 6.38mm CLR LAMINATE	47

HUNTER EVO 101.6mm INTERNAL USE ACOUSTIC FRAME - F/F WITH SILICONE BUTT JOINT			
TEST REPORT	**SIZE**	**GLASS**	**Rw**
TL677-06-1	2.1m (H) x 1.8m (W)	6.38mm CLR LAMINATE / 58mm AIR / 6.38mm CLR LAMINATE	42
TL677-07-1	2.1m (H) x 1.8m (W)	12.76mm CLR LAMINATE / 50mm Air / 12.76mm CLR LAMINATE	49
TL677-08-1	2.1m (H) x 1.8m (W)	12.76mm CLR LAMINATE / 50mm Air / 10.38mm CLR LAMINATE	47
TL677-09-1	2.1m (H) x 1.8m (W)	12.76mm CLR LAMINATE / 50mm Air / 12.38mm CLR LAMINATE	47

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.

Framing



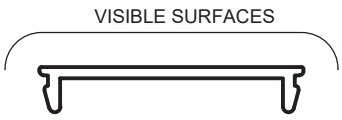
AS5
FLUSH ADAPTOR

Mass. 0.500 Kg/m
Anod. Per. 213
Paint Per. 100

HE901
ACOUSTIC FRAME

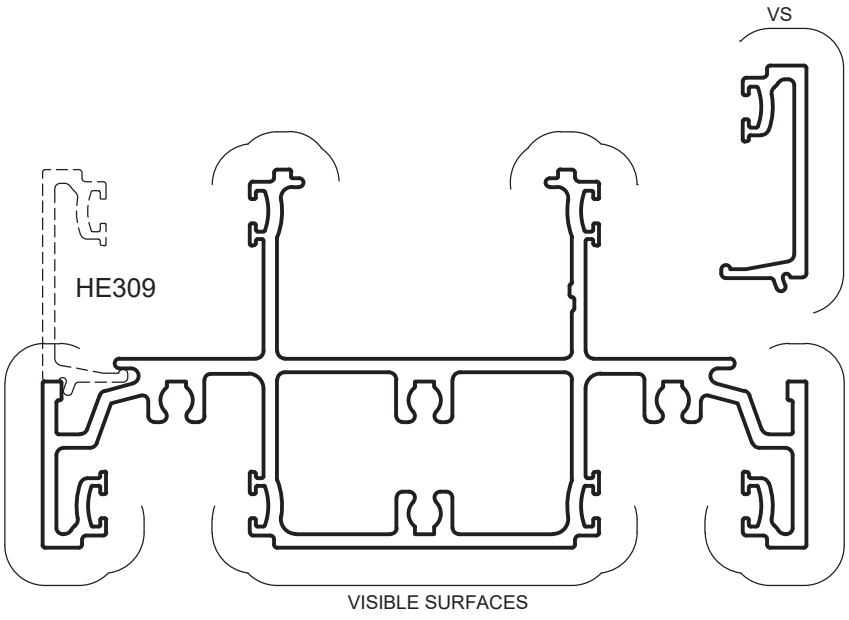
Mass. 1.659 Kg/m
Anod. Per. 679
Paint Per. 183

Ixx = 860.54 x 10^3 mm^4



FP58
DURASLAT POST
INFILL Q1812

Mass. 0.179 Kg/m
Anod. Per. 100
Paint Per. 100



HE309
EXTERNAL GLAZE
PRESSURE BEAD

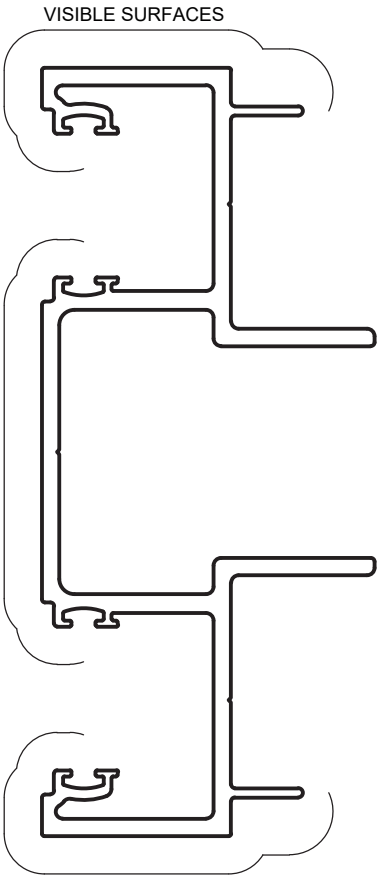
Mass. 0.239 Kg/m
Anod. Per. 116
Paint Per. 100

HE904
ACOUSTIC
SILL / TRANSOM

Mass. 2.007 Kg/m
Anod. Per. 631
Paint Per. 138

Ixx = 664.56 x 10^3 mm^4
Iyy = 114.35 x 10^3 mm^4

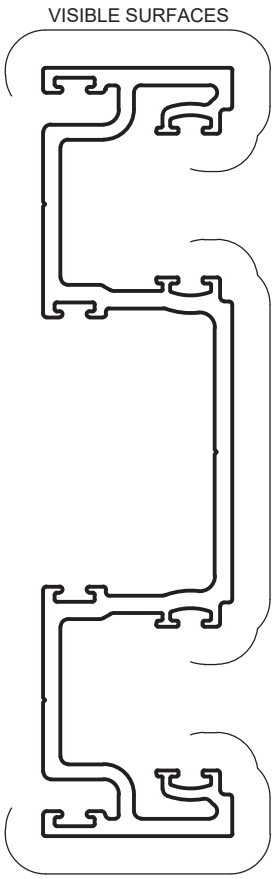
Mullions



HE902
ACOUSTIC
MALE MULLION

Mass. 1.734 Kg/m
Anod. Per. 607
Paint Per. 143

Ixx = 682.94 x 10^3 mm^4

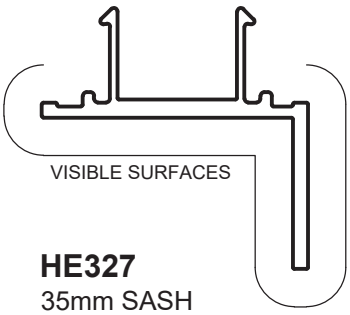


HE903
ACOUSTIC
FEMALE MULLION

Mass. 1.482 Kg/m
Anod. Per. 544
Paint Per. 125

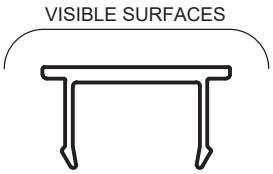
Ixx = 665.42 x 10^3 mm^4

Door Jamb Option



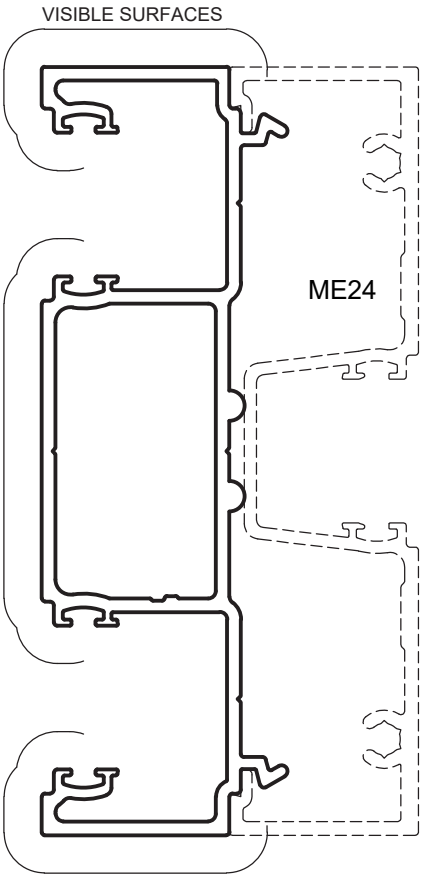
HE327
35mm SASH ADAPTOR

Mass. 0.395 Kg/m
Anod. Per. 171
Paint Per. 100



ME8
POCKET FILLER

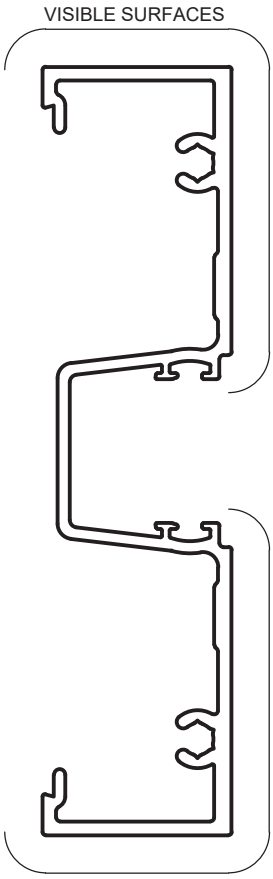
Mass. 0.181 Kg/m
Anod. Per. 100
Paint Per. 100



HE910
ACOUSTIC DOOR JAMB ADAPTOR

Mass. 1.427 Kg/m
Anod. Per. 480
Paint Per. 125

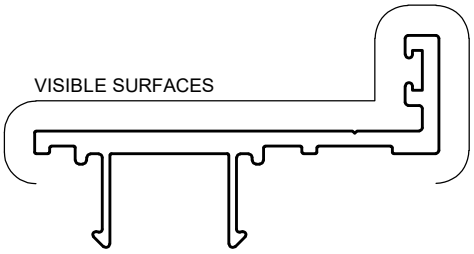
Ixx = 572.12 x 10^3 mm^4



ME24
25mm NARROW FRAME

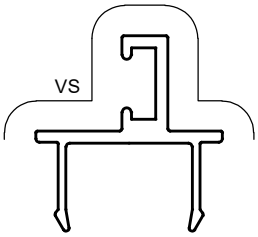
Mass. 1.140 Kg/m
Anod. Per. 468
Paint Per. 127

Door Stops



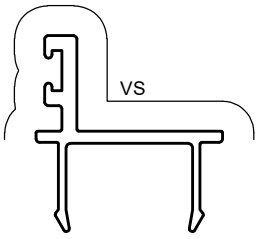
HE308
45mm DOOR STOP

Mass. 0.579 Kg/m
Anod. Per. 212
Paint Per. 100



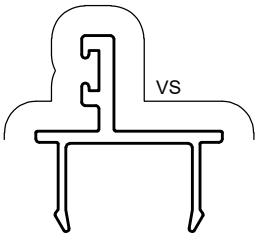
ME7
45mm DOOR STOP

Mass. 0.275 Kg/m
Anod. Per. 138
Paint Per. 100



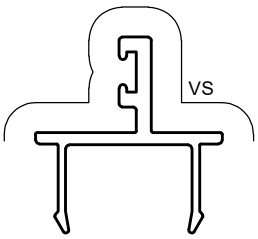
ME35
35mm DOOR STOP

Mass. 0.271 Kg/m
Anod. Per. 136
Paint Per. 100



ME40
40mm DOOR STOP

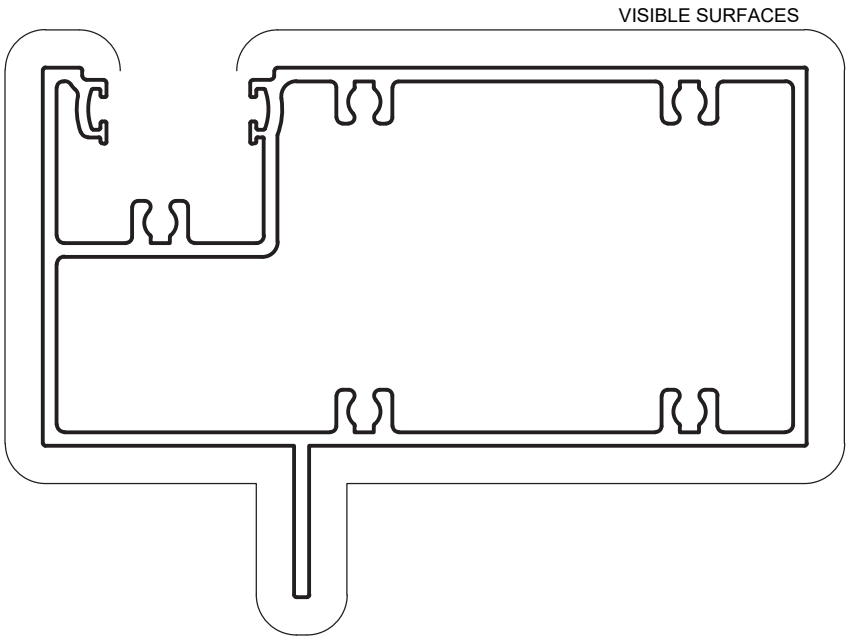
Mass. 0.271 Kg/m
Anod. Per. 136
Paint Per. 100



ME45
45mm DOOR STOP

Mass. 0.271 Kg/m
Anod. Per. 136
Paint Per. 100

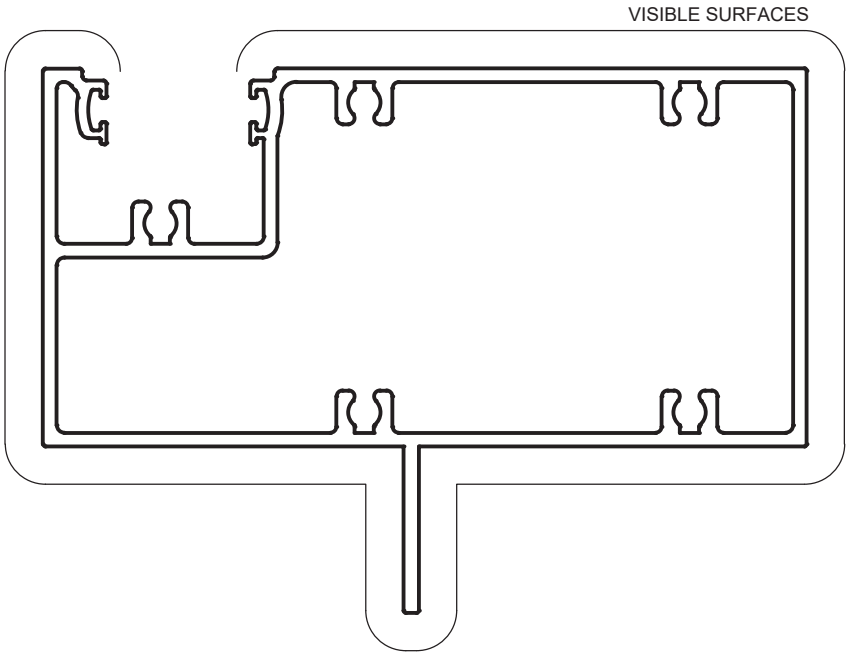
Awning Transoms



HE324
TRANSOM SG
35mm SASH

Mass. 2.053 Kg/m
Anod. Per. 455
Paint Per. 316

Ixx = 884.68 x 10^3 mm^4

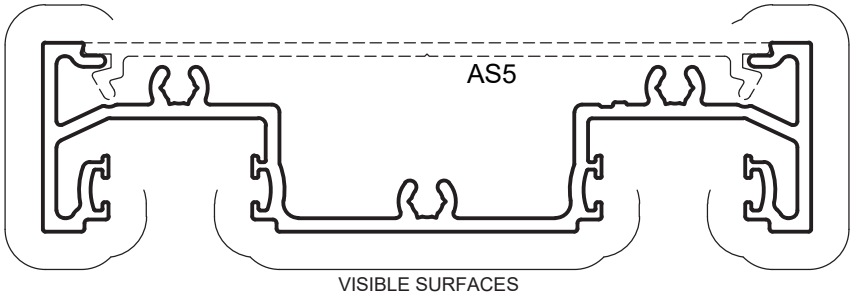


HE325
TRANSOM SG
50mm SASH

Mass. 2.064 Kg/m
Anod. Per. 459
Paint Per. 320

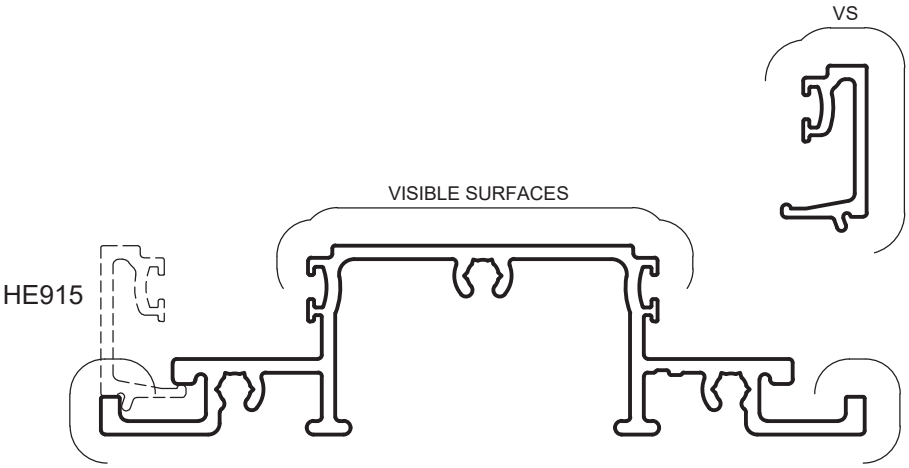
Ixx = 877.36 x 10^3 mm^4

Internal Partition Sections



HE911
25mm ACOUSTIC
FRAME

Mass. 1.260 Kg/m
Anod. Per. 535
Paint Per. 154



HE915
25mm ACOUSTIC
SILL BEAD

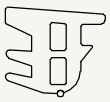
Mass. 0.204 Kg/m
Anod. Per. 100
Paint Per. 100

HE914
25mm ACOUSTIC SILL

Mass. 1.083 Kg/m
Anod. Per. 432
Paint Per. 100

HE911 AND HE914 HAVE NOT BEEN TESTED TO AS2047 AND ARE DESIGNED FOR INTERNAL PARTITION USE ONLY

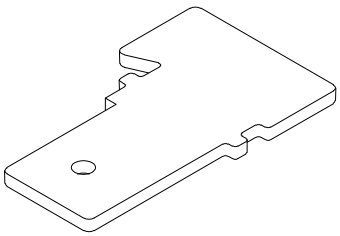
Glazing Wedges

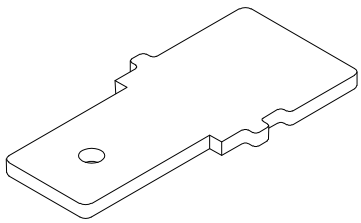
IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	2mm	PVC	1376045	GR42 GLAZING WEDGE (PURPLE) (2.5mm GAP) PVC x 200m ROLL
	3mm	PVC	1313055	GR43 GLAZING WEDGE (BROWN) (3mm GAP) PVC x 200m ROLL
		S/PRENE	1313063	GR43S GLAZING WEDGE (BROWN) (3mm GAP) S/PRENE x 200m ROLL
	4mm	PVC	1313056	GR44 GLAZING WEDGE (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) (4mm GAP) PVC x 150m ROLL
		S/PRENE	1313065	GR45S GLAZING WEDGE (BLUE) (4mm 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	1313052	GR36 BACKING GASKET - PUSH IN (2mm GAP) PVC x 200m ROLL
		S/PRENE	1313053	GR36S BACKING GASKET - PUSH IN (2mm GAP) S/PRENE x 200m ROLL
	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	1313054	GR37 BACKING GASKET - PUSH IN (4mm GAP) PVC x 175m ROLL
		S/PRENE	1313069	GR37S BACKING GASKET - PUSH IN (4mm GAP) S/PRENE x 175m 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	1313074	GR49 BACKING GASKET - PUSH IN (6mm GAP) PVC x 100m ROLL
		S/PRENE	1313075	GR49S BACKING GASKET - PUSH IN (6mm 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

Accessories

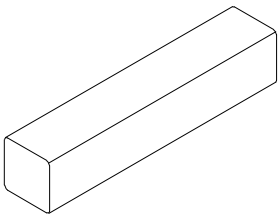


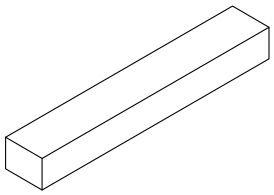


HE001 POCKET STOP FOR HE901 & HE902	
PART	1378194
FINISH	NOT SPECIFIED (099)
QTY	BAG OF 50

HE002 POCKET STOP FOR HE903	
PART	1378195
FINISH	NOT SPECIFIED (099)
QTY	BAG OF 50

Accessories





SETTING BLOCK 15 x 15 x 75mm	
PART	1376735
FINISH	BLACK (034)
QTY	BAG OF 50

SETTING BLOCK 6 x 8 x 50mm	
PART	1376776
FINISH	BLACK (034)
QTY	BAG OF 1000

Seals

IMAGE	PART #	FINISH	DESCRIPTION
	1376449	BLACK (034)	MS6 MULLION SEAL PVC x 200m
	1376847	BLACK (034)	WS48 SEAL PVC x 1m
	1376079	BLACK (034)	CE308 CO-EXT DOOR BUFFER x S/PRENE 200m ROLL
	1376328	BLACK (034)	CE8 CO-EXT DOOR BUFFER x 100m ROLL

Fasteners

SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382644	SQUARE #2	10g x 1 (25mm) 304SS SQ #2 PAN S/TAP SCREW x 1000	MAIN FRAME
1382659	SQUARE #2	10g x 2 (51mm) 304SS SQ #2 CSK S/TAP SCREW x 1000	MULLION
1382643	SQUARE #2	10g x 1/2 (13mm) 304SS SQ #2 PAN S/TAP SCREW x 1000	MULLION / DOOR JAMB
1382010	PHILLIPS #2	6g x 1 1/2 (38mm) SS PHILLIPS CSKS S/TAP SCREW x 500	PRO VISTA SASH SILL AT TRANSOM
1382617	PHILLIPS #2	6g x 1/2 (13mm) SS PHILLIPS #2 CSK 4g HEAD SCREW x 1000	PRO VISTA JAMB & HEAD

Frame Joint Gaskets

PART #	DESCRIPTION	FINISH
1385509	FJG50 FRAME JOINT GASKET PVC FOAM TAPE 50 x 1.6mm 45.7m	BLACK (034) GREY (036)

Desiccant

ESORB SILICA GEL BAG x 100g	
PART	1300040
FINISH	WHITE (0I5)
QTY	BAG

DAYLIGHT HEIGHT (mm)	QTY. OF 100g DESICCANT POUCHES IN TRANSOM					
3000	3	4	6	7	8	10
2700	3	4	5	6	8	9
2400	2	3	4	6	7	8
2100	2	3	4	5	6	7
1800	2	3	3	4	5	6
1500	1	2	3	4	4	5
1200	1	2	2	3	3	4
900	1	1	2	2	3	3
600	1	1	1	1	2	2
DAYLIGHT WIDTH (mm)	**600**	**900**	**1200**	**1500**	**1800**	**2100**

6. Hardware & Components

Silicone

100% NEUTRAL CURE SILICONE

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

100% MATTE NEUTRAL CURE SILIICONE

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

41 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

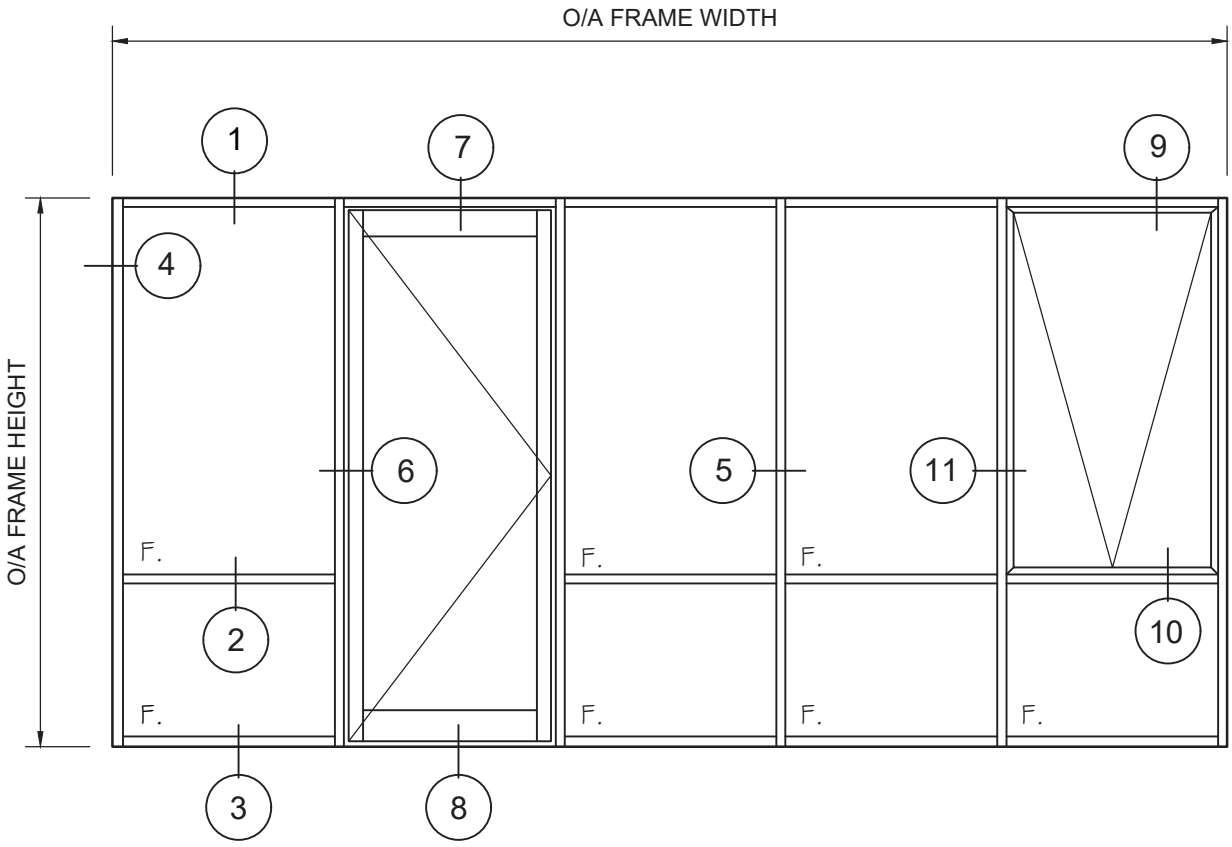
*For more information on silicones, please refer to Alspec Silicone Brochure.

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

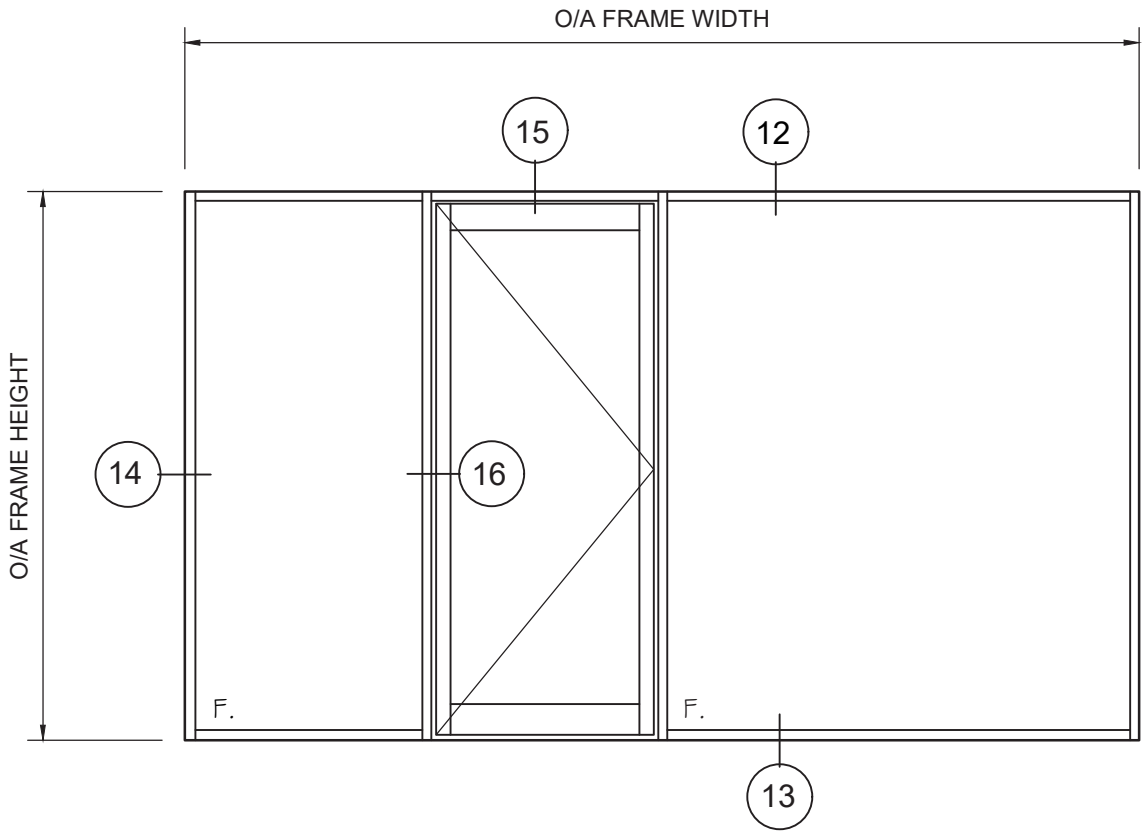
7. Typical Elevation

Typical Elevation



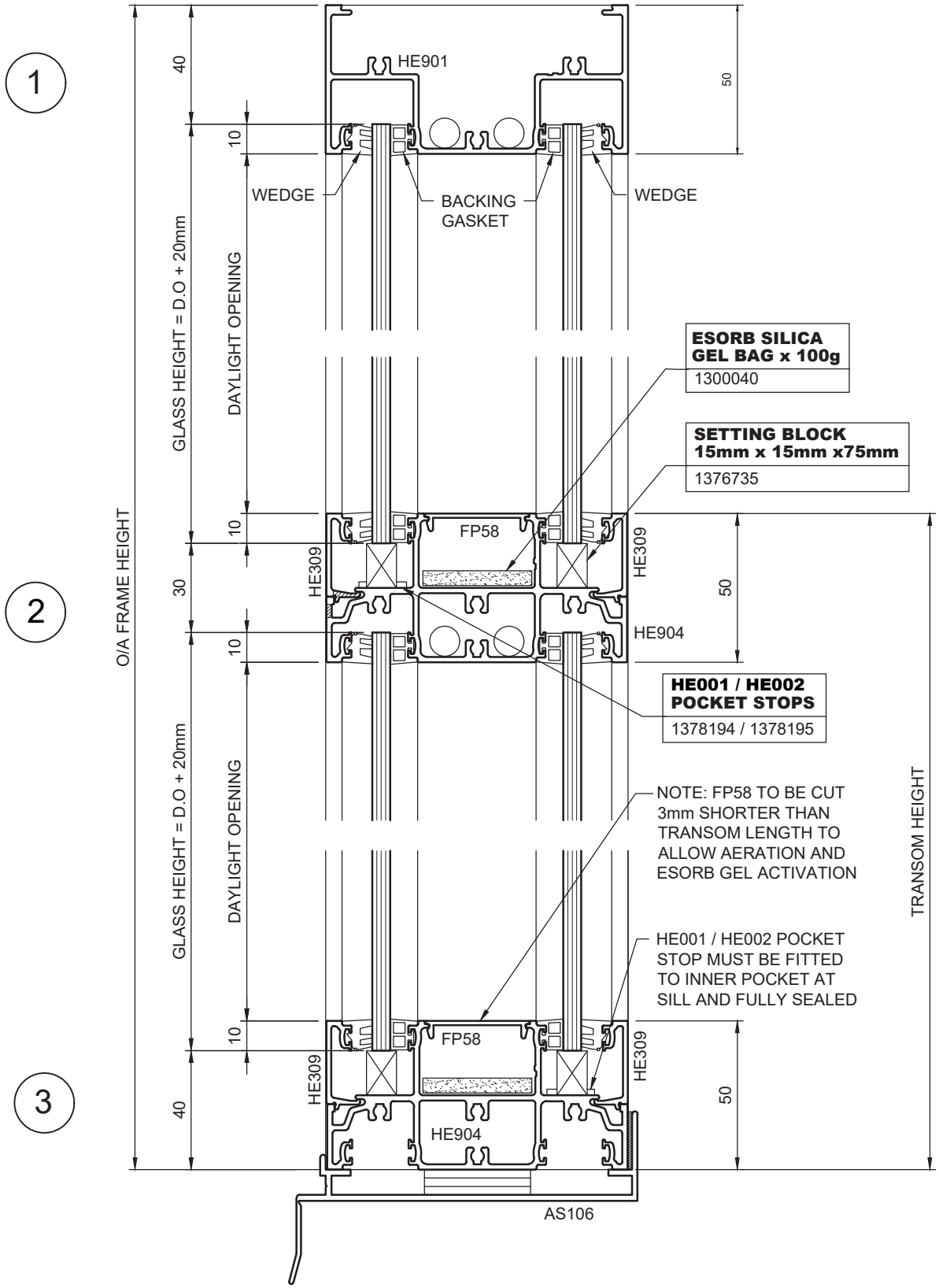
7. Typical Elevation

Internal Partition Elevation

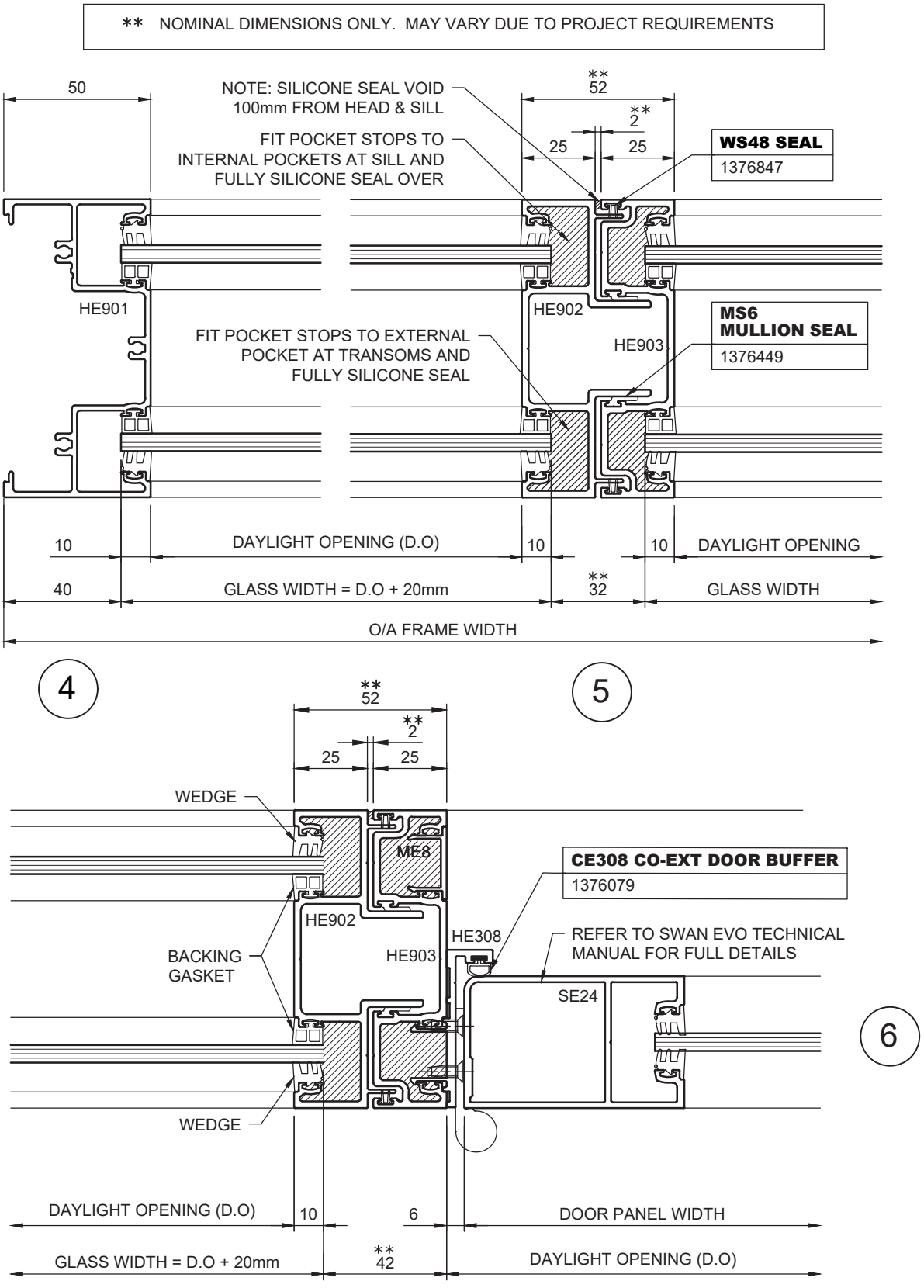


8. Typical Details

Typical Head, Transom & Sill Details



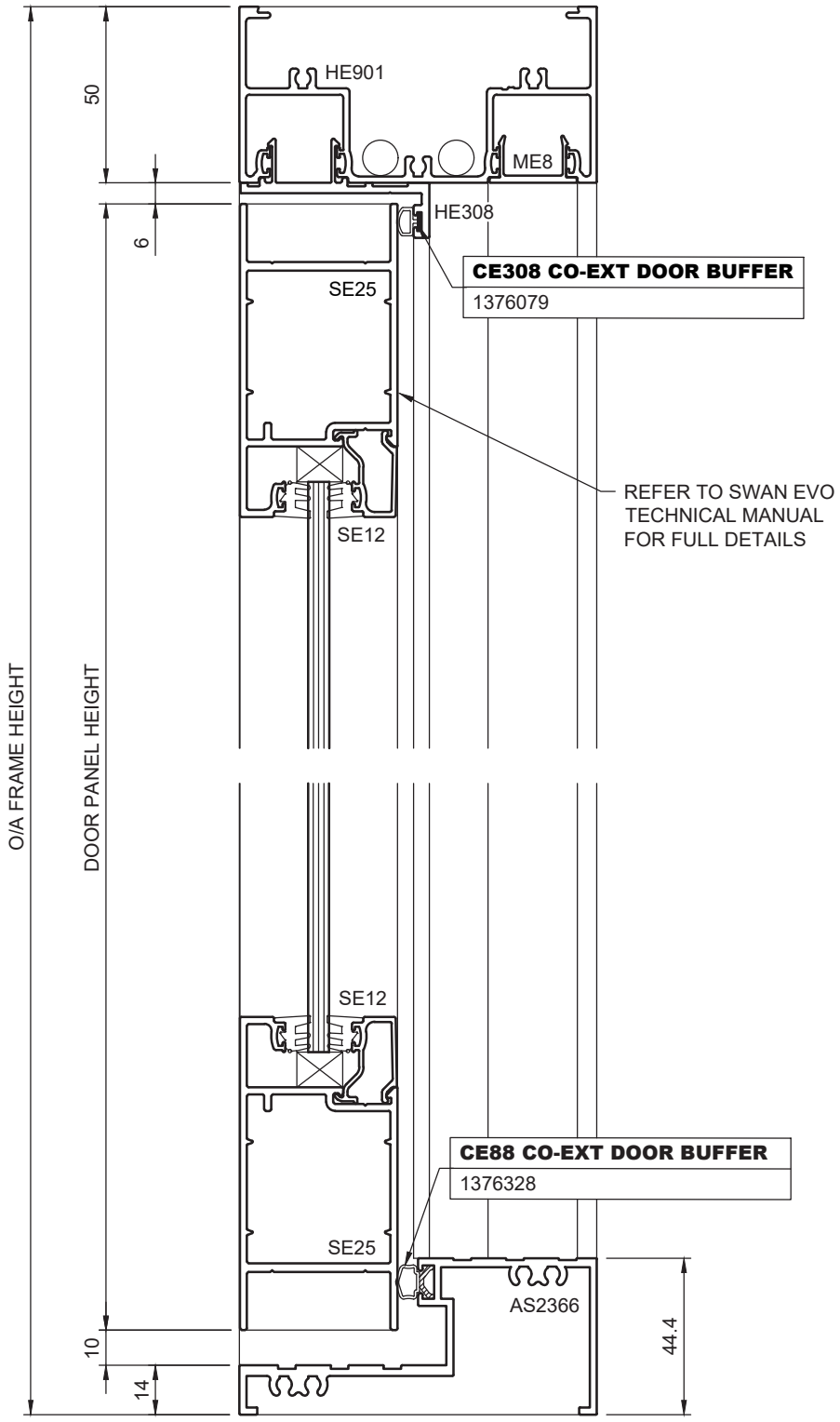
Typical Jamb, Mullion and Door Jamb Details



Typical Door Head & Sill Details

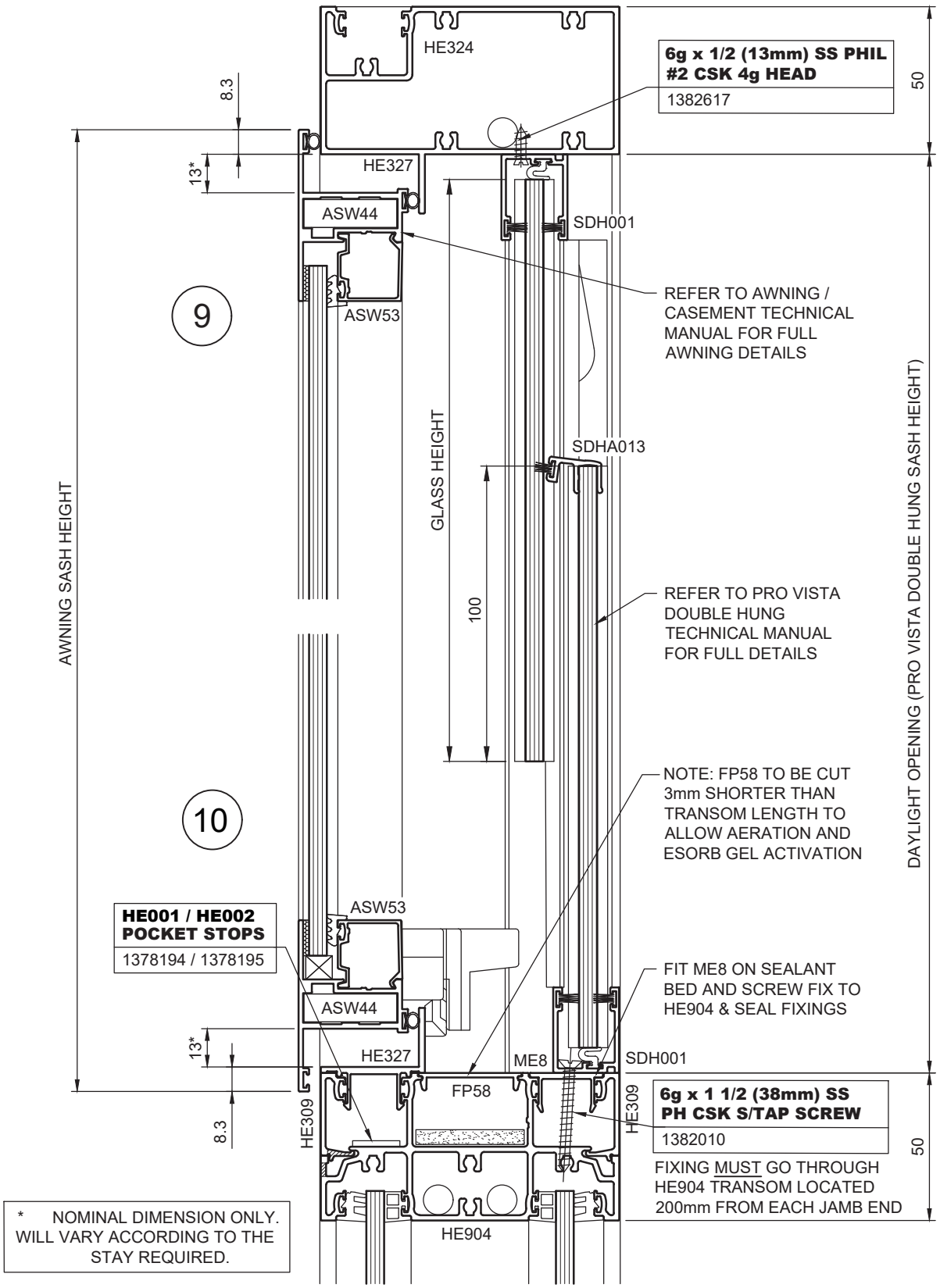
7

8



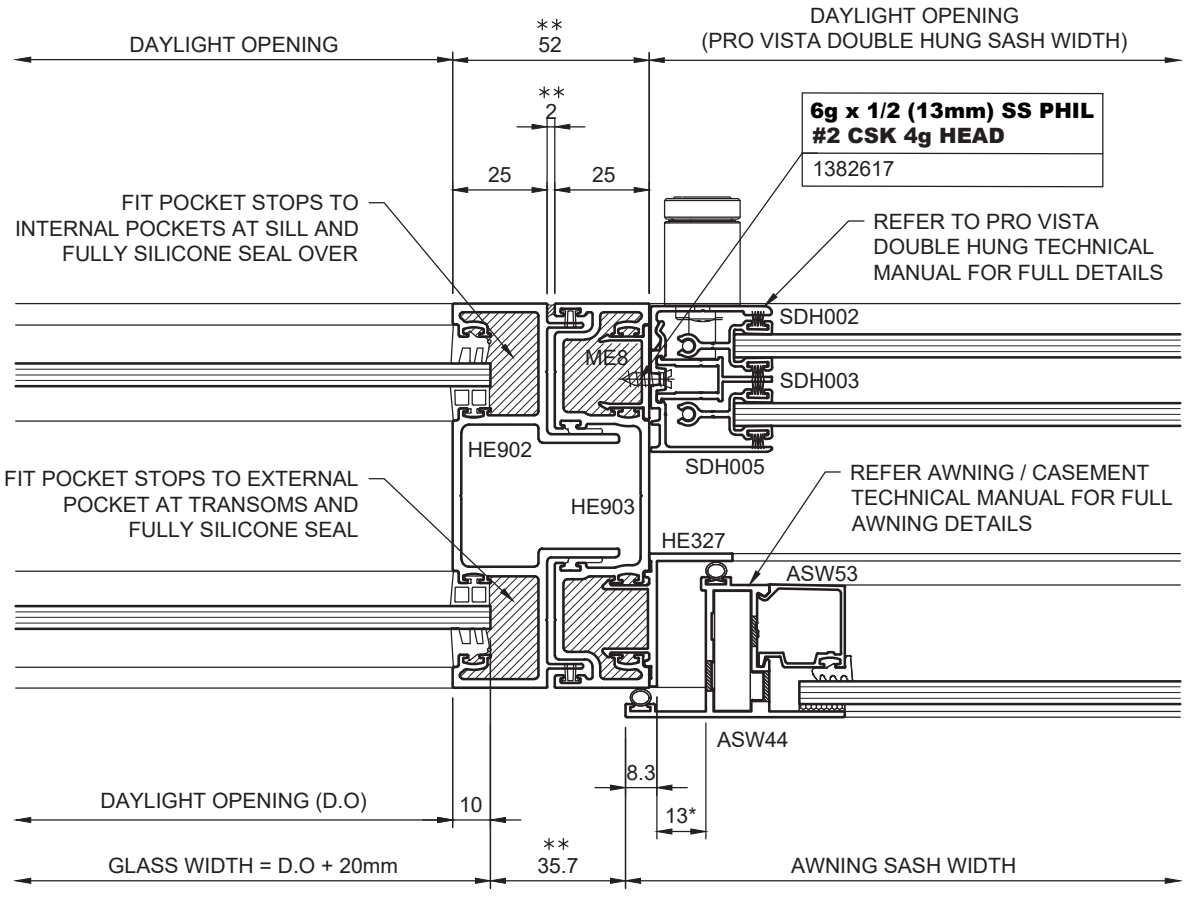
8. Typical Details

Typical Head/Awning & Transom/Awning Details



Typical Mullion Fixed/Awning Details

** NOMINAL DIMENSIONS ONLY. MAY VARY DUE TO PROJECT REQUIREMENTS

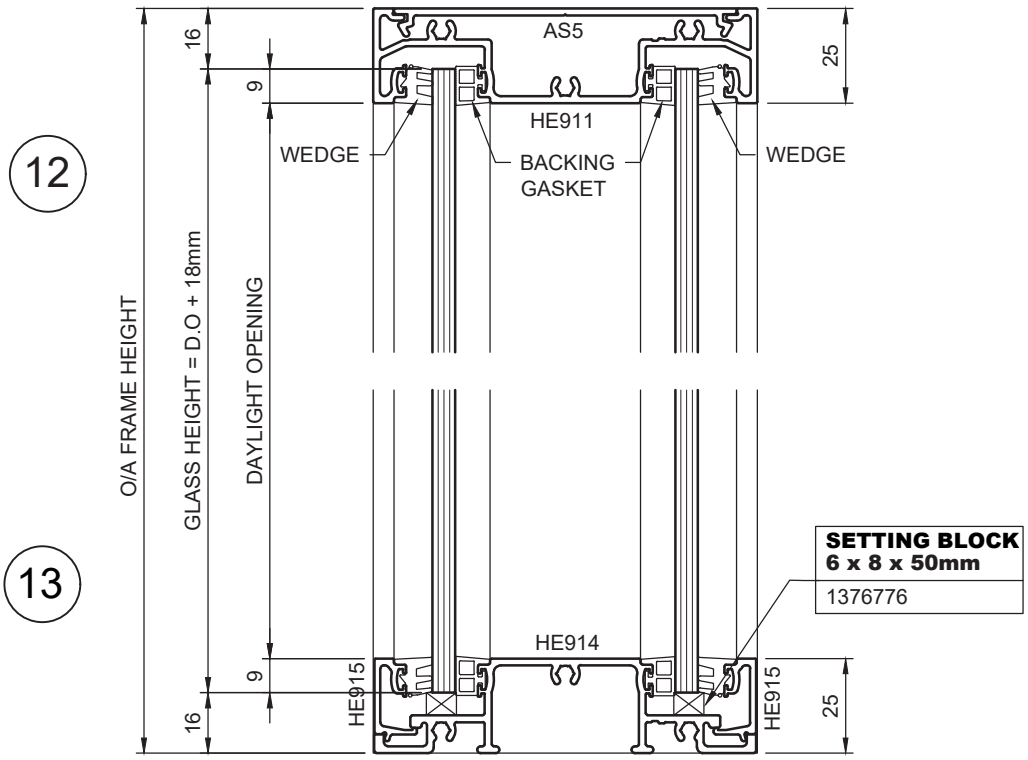


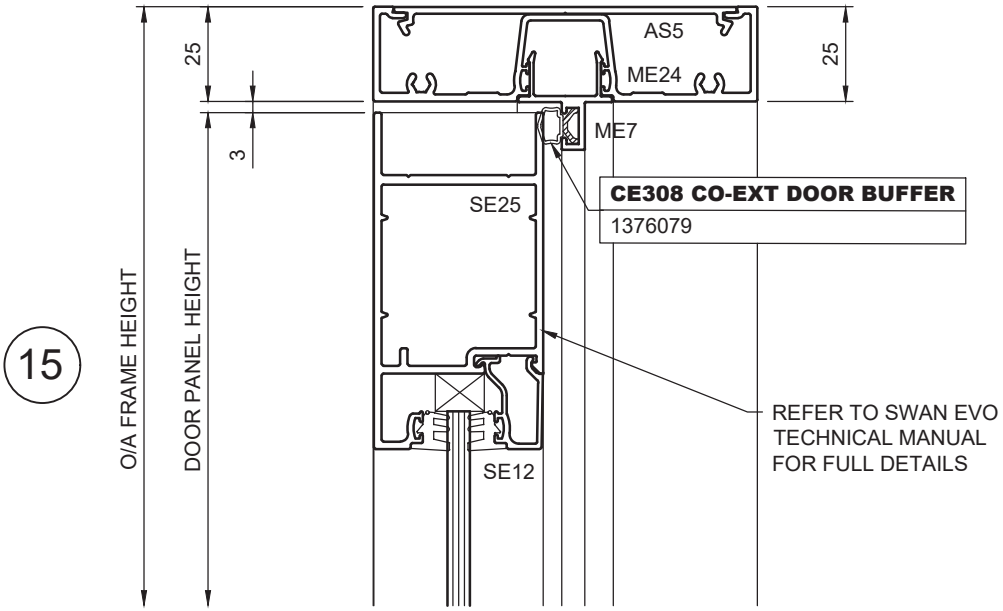
11

* NOMINAL DIMENSION ONLY.
WILL VARY ACCORDING TO THE STAY REQUIRED.

Typical Internal Partition Details

FOR INTERNAL PARTITION USE ONLY - NOT TESTED FOR EXTERNAL PERFORMANCE

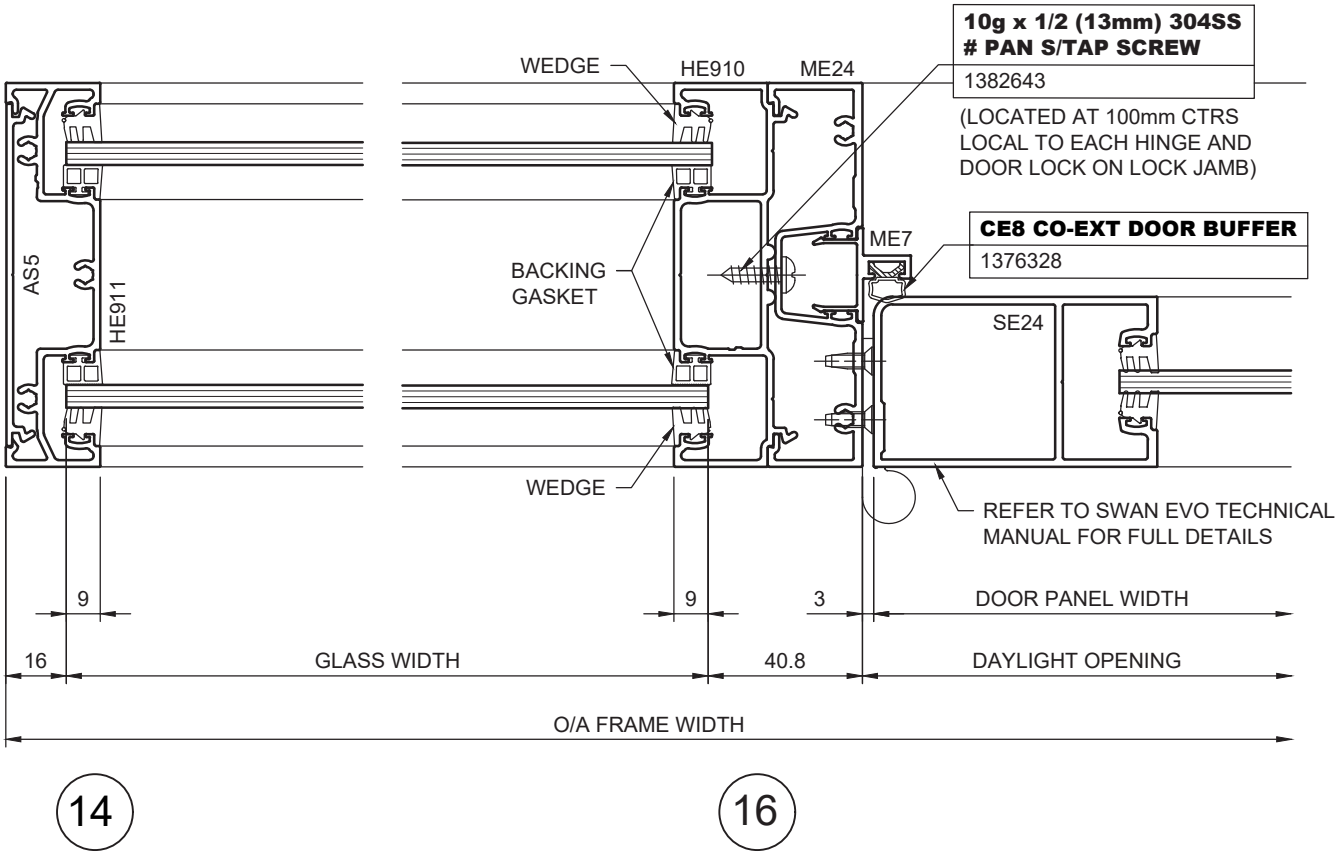




8. Typical Details

Typical Internal Partition Details

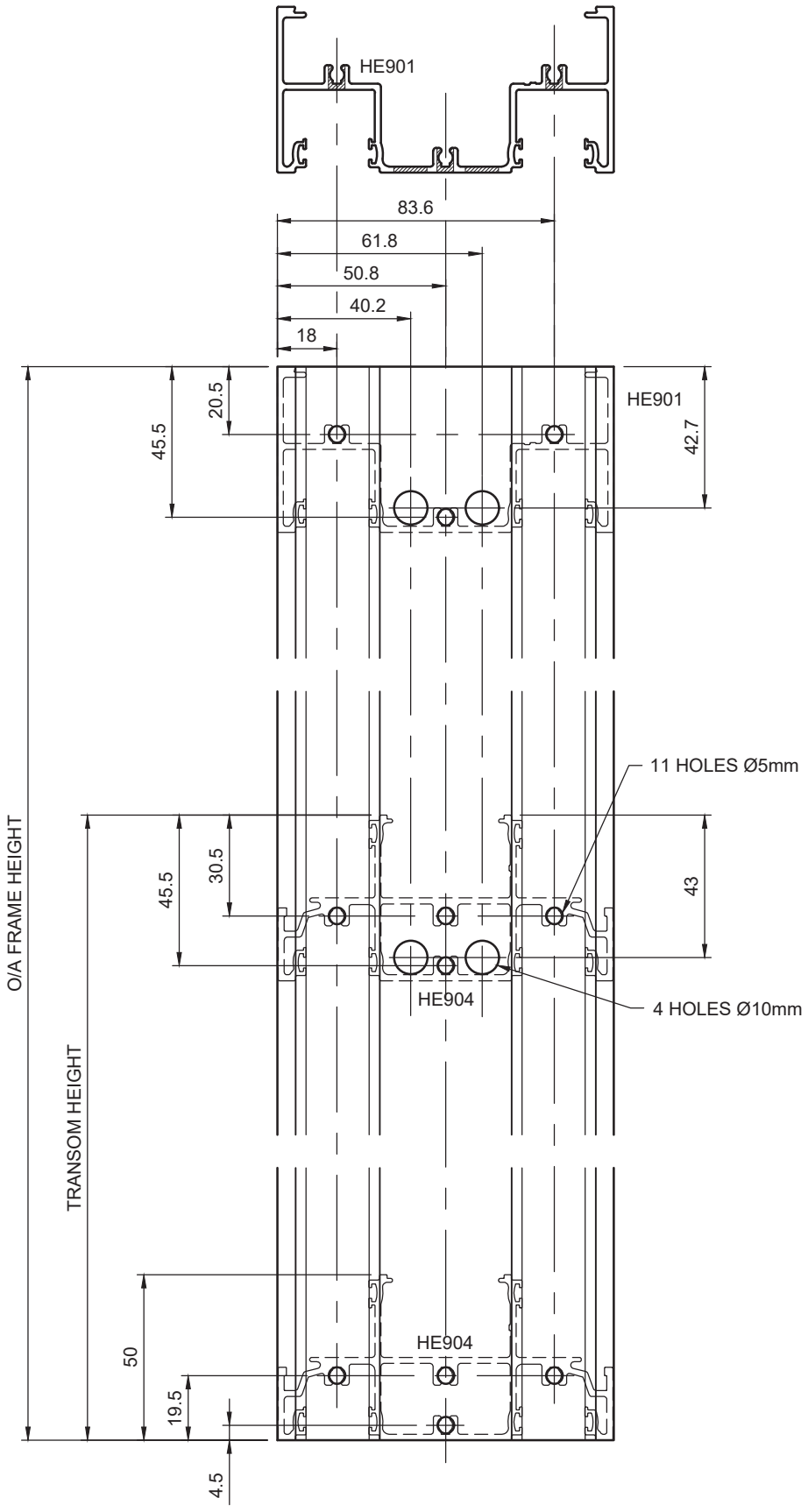
FOR INTERNAL PARTITION USE ONLY - NOT TESTED FOR EXTERNAL PERFORMANCE



10. Manufacturing Details

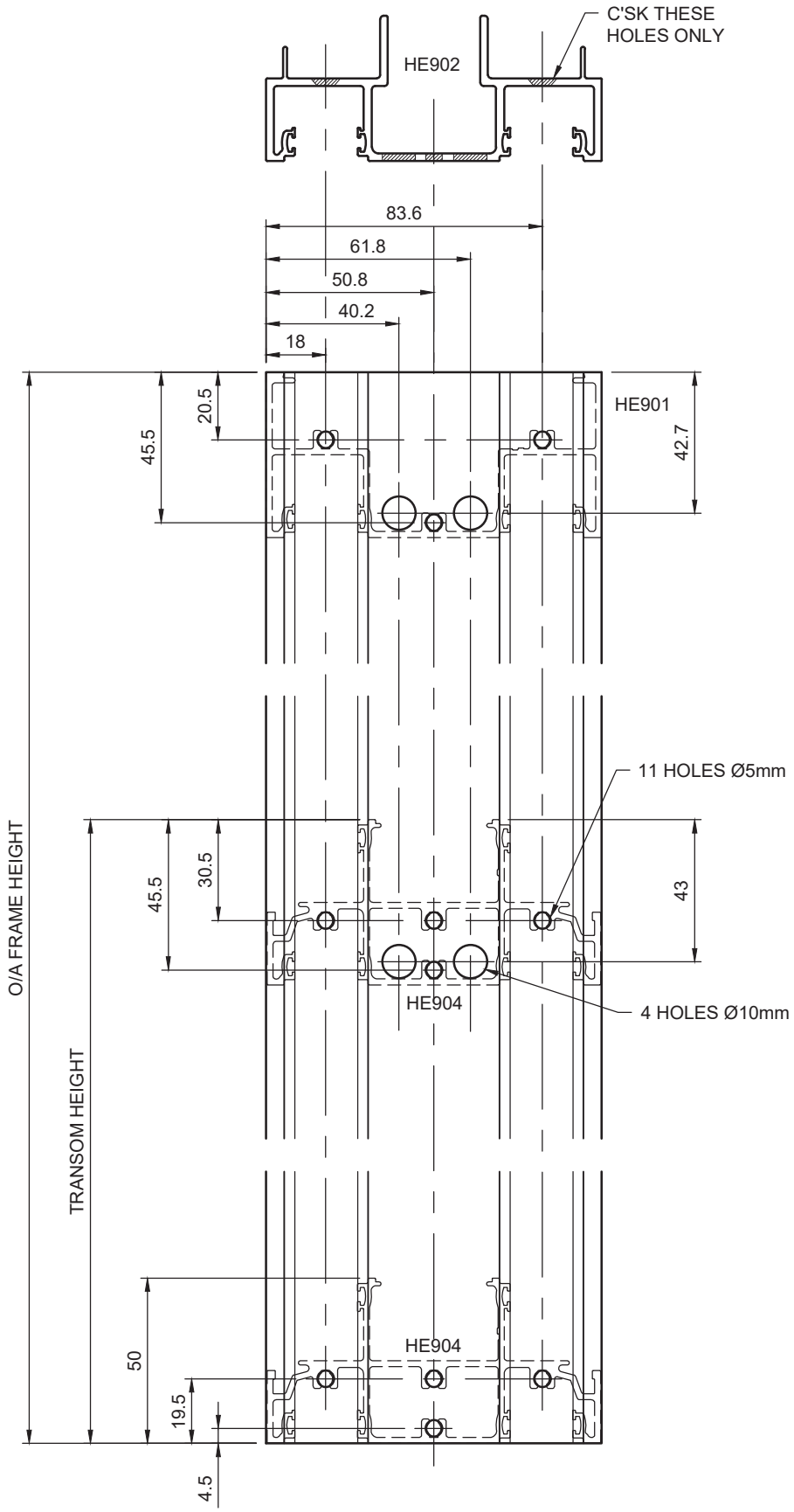
Jamb Preparation

L.H. DRAWN
R.H. OPPOSITE



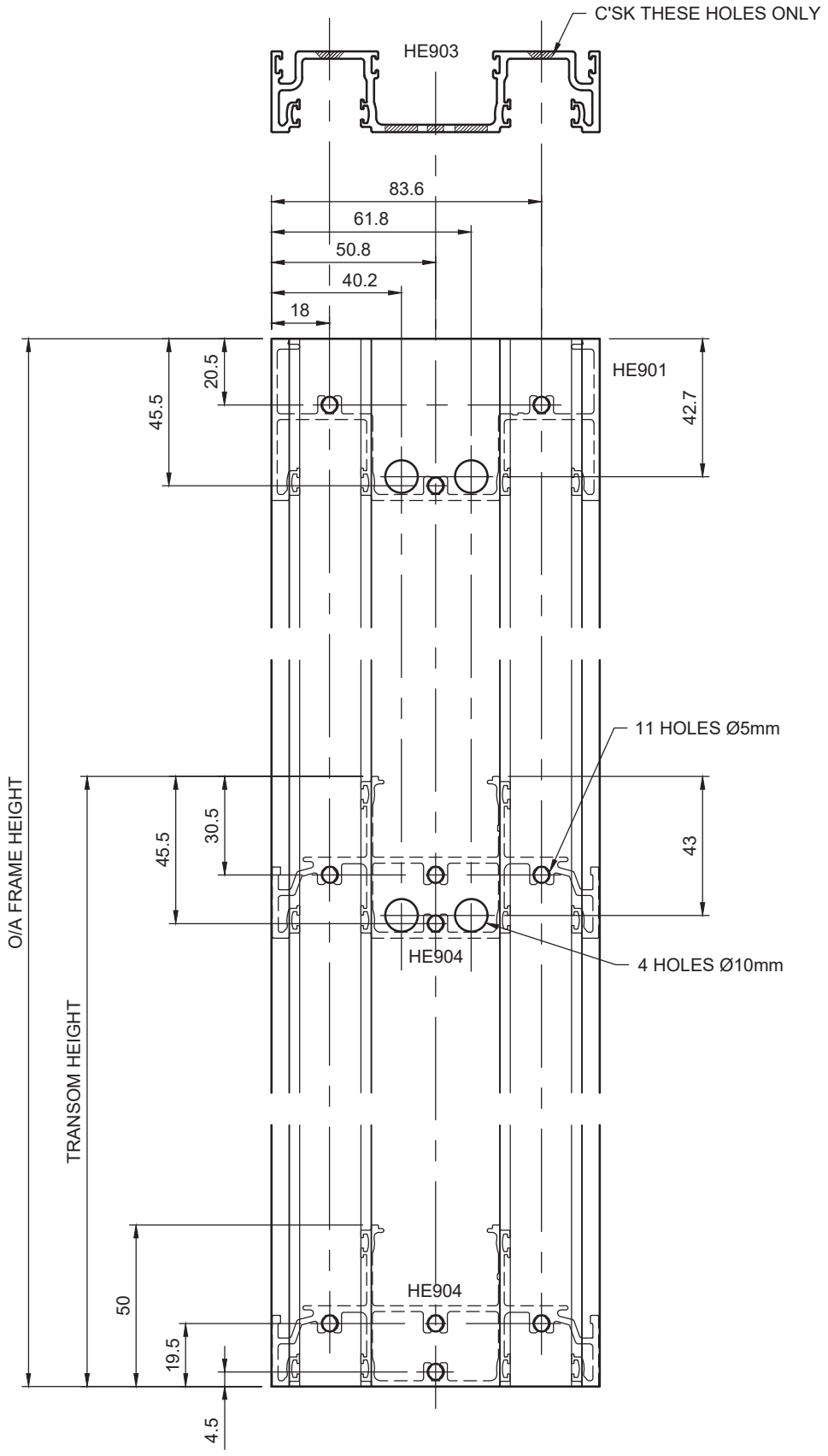
Male Mullion Preparation

L.H. DRAWN
R.H. OPPOSITE



Female Mullion Preparation

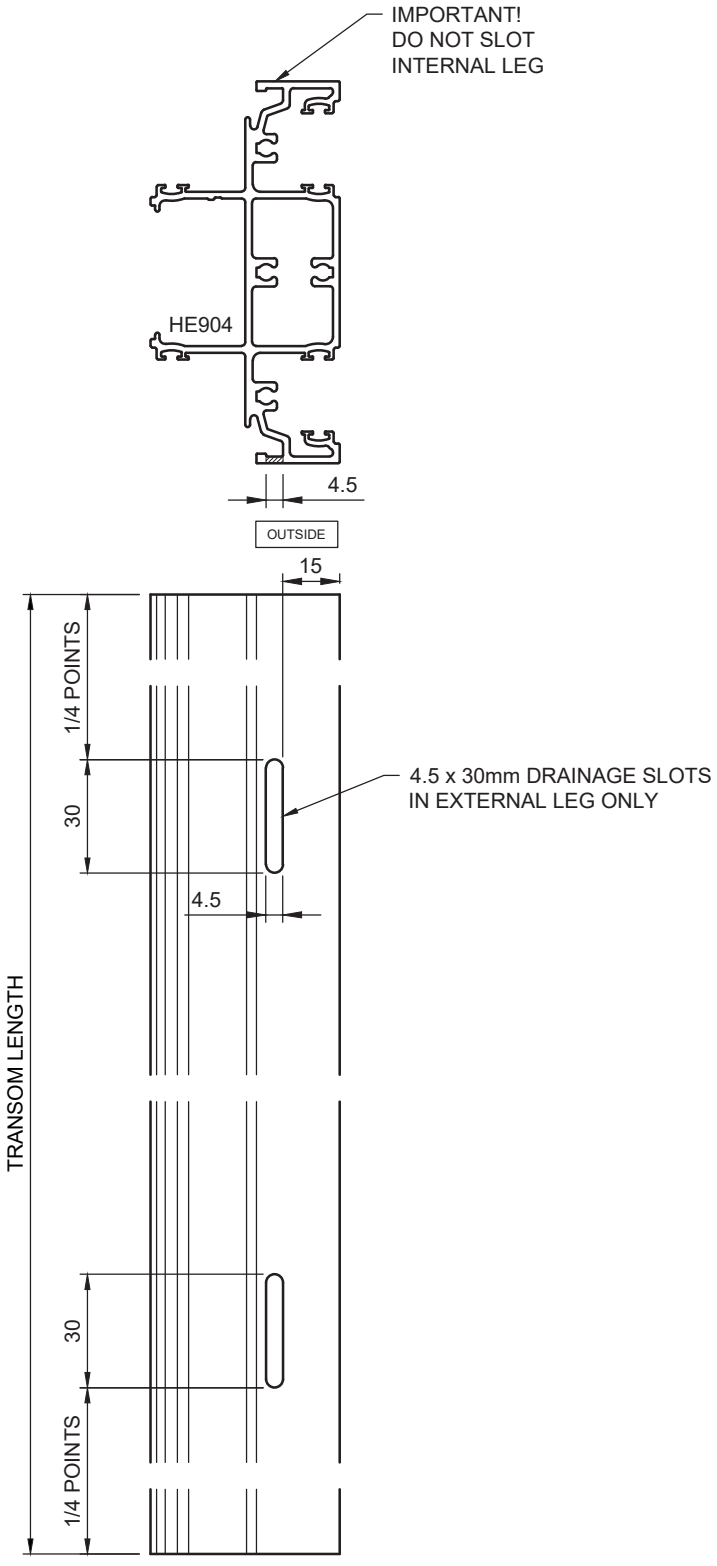
L.H. DRAWN
R.H. OPPOSITE



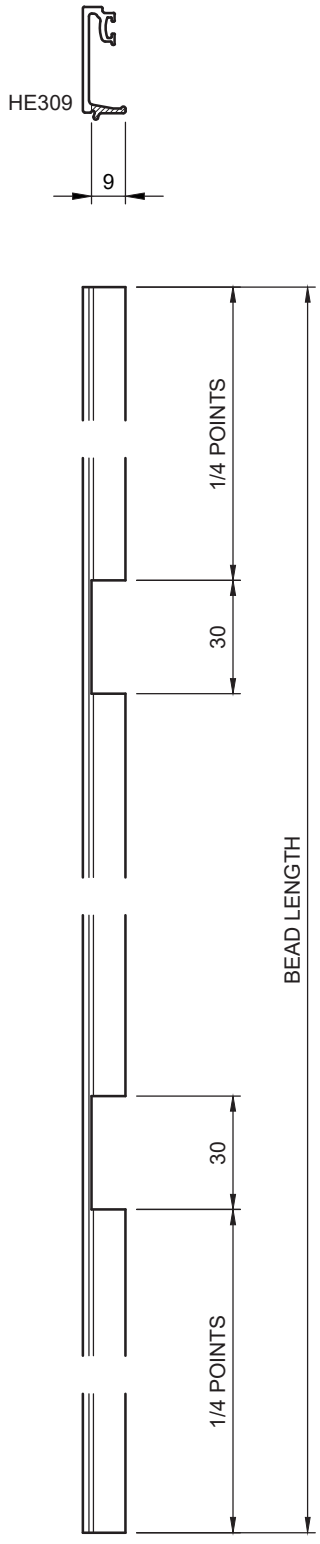
Transom Drainage Preparation

NOTE:
FOR TRANSOM WIDTHS OVER 1300mm ADD AN ADDITIONAL SLOT ON TRANSOM CENTRELINE

DETAIL DOES NOT APPLY FOR INTERNAL APPLICATIONS

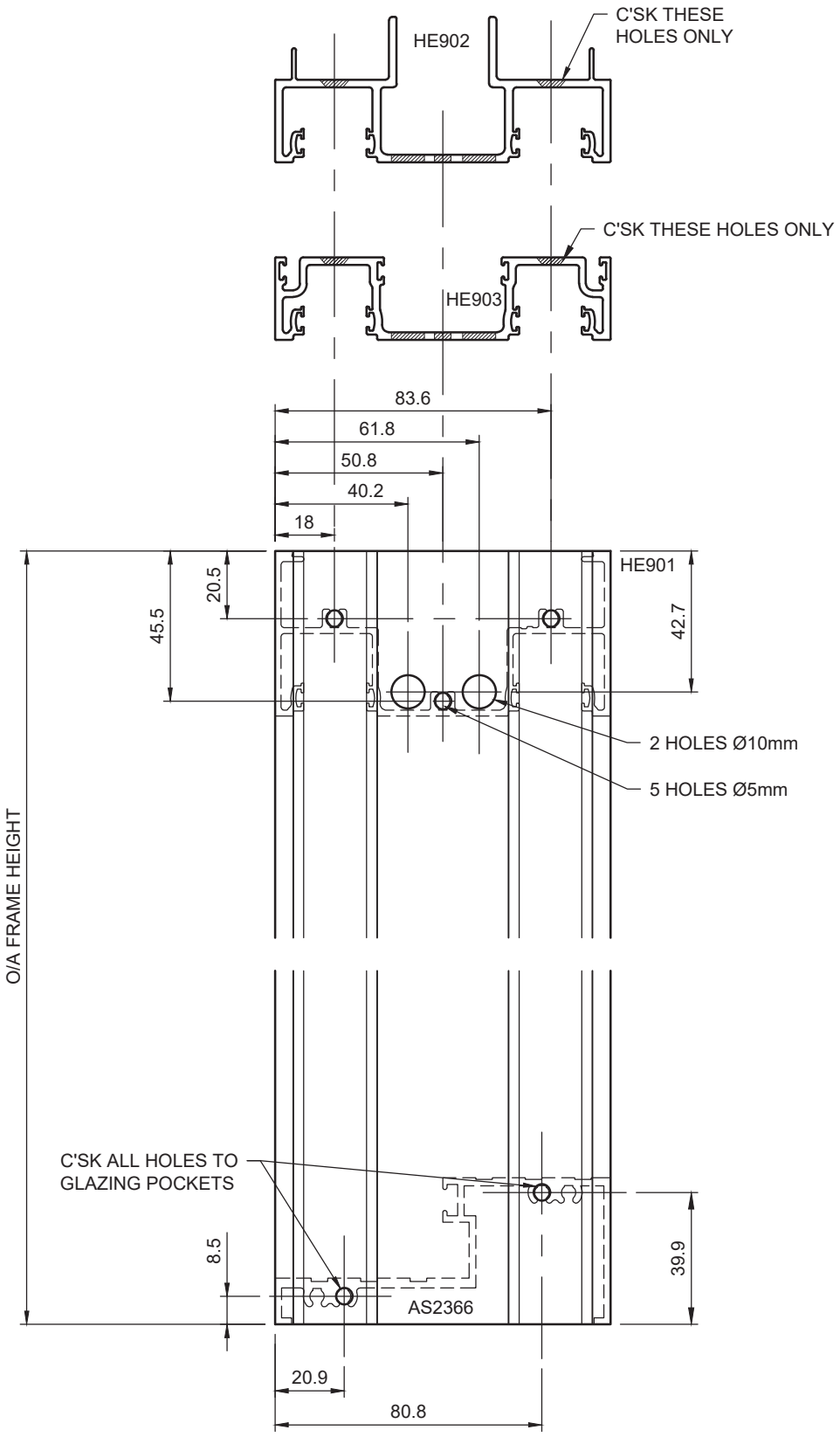


Glazing Bead Drainage Preparation

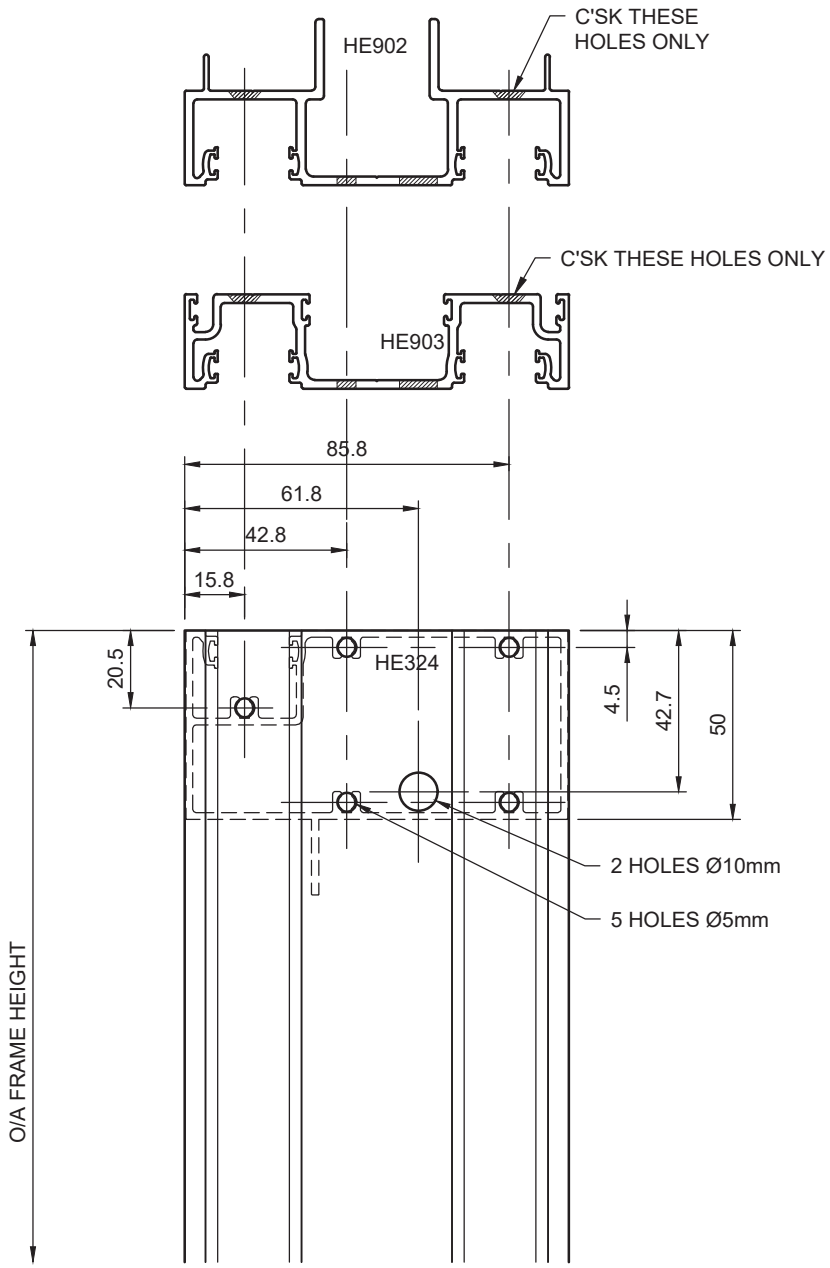


Mullion Preparation for Door Jamb

L.H. DRAWN
R.H. OPPOSITE



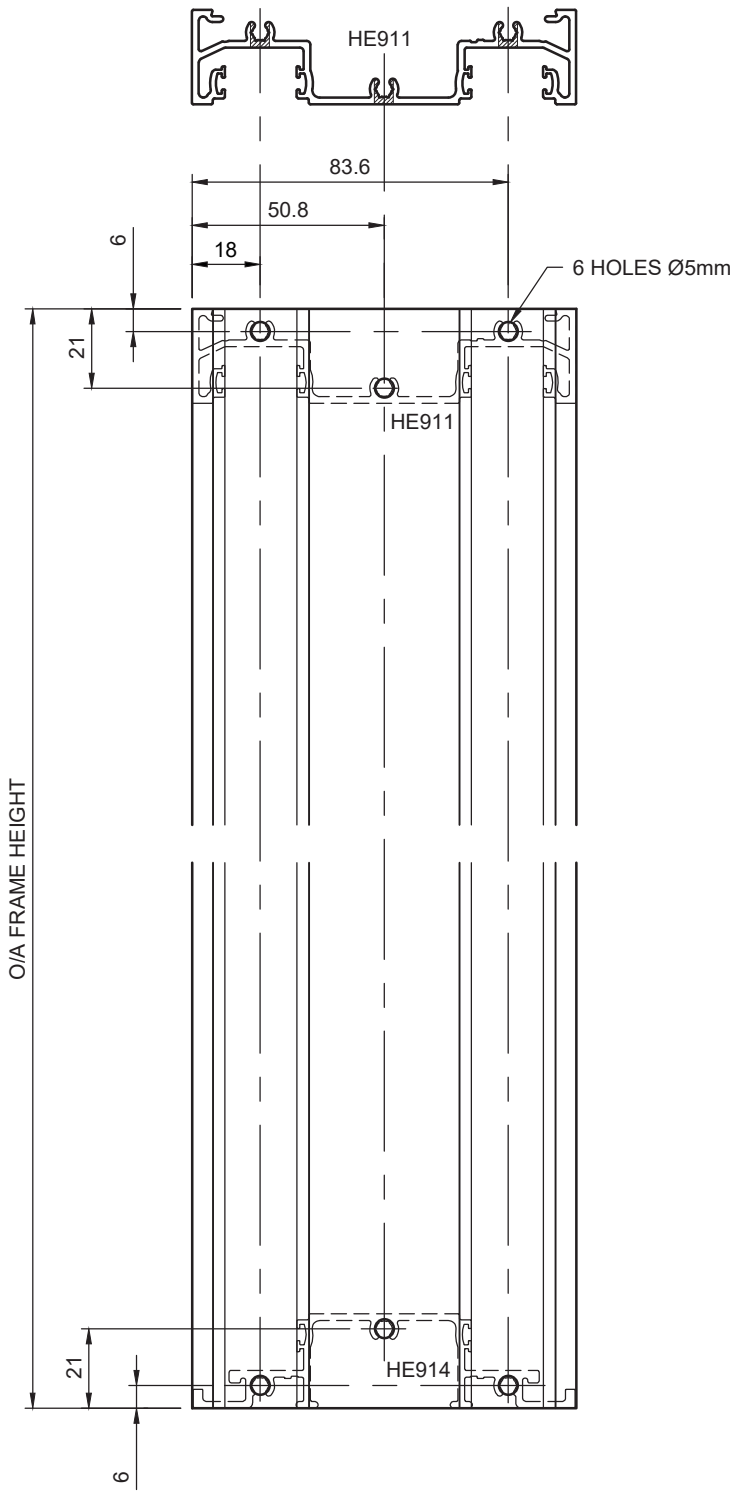
Mullion Preparation for Awning Head Detail



Internal Partition Jamb Preparation

FOR INTERNAL PARTITION USE ONLY - NOT TESTED FOR EXTERNAL PERFORMANCE

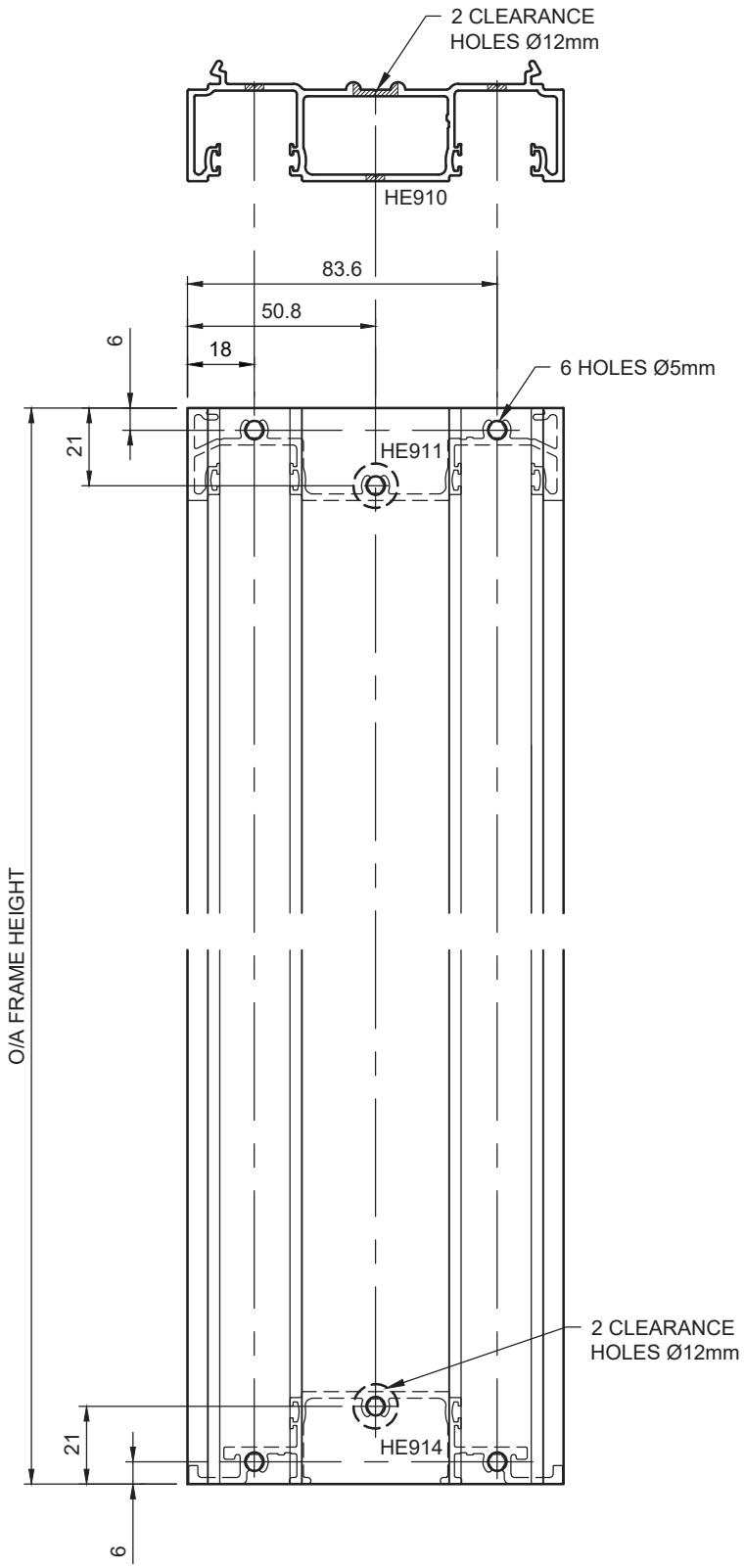
L.H. DRAWN
R.H. OPPOSITE



Internal Partition Mullion for Door Jamb Preparation

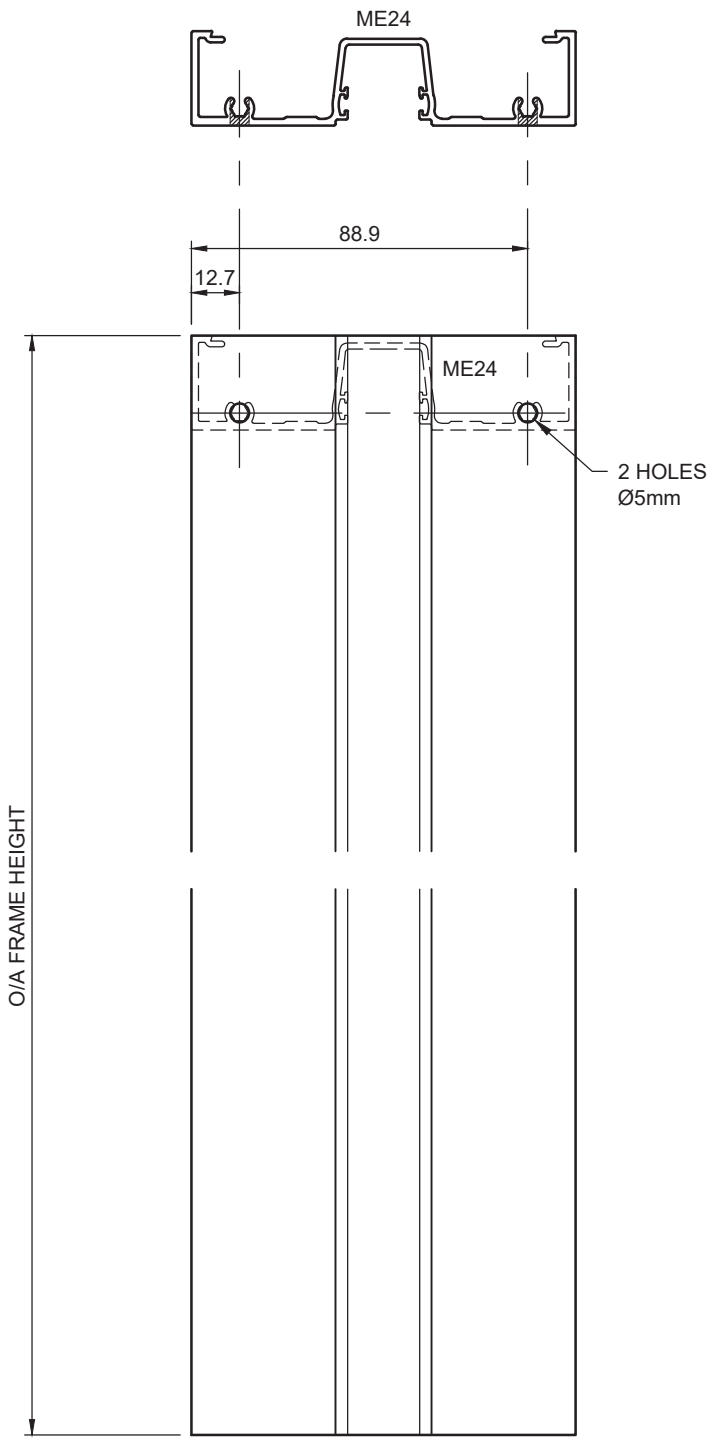
FOR INTERNAL PARTITION USE ONLY - NOT TESTED FOR EXTERNAL PERFORMANCE

L.H. DRAWN
R.H. OPPOSITE

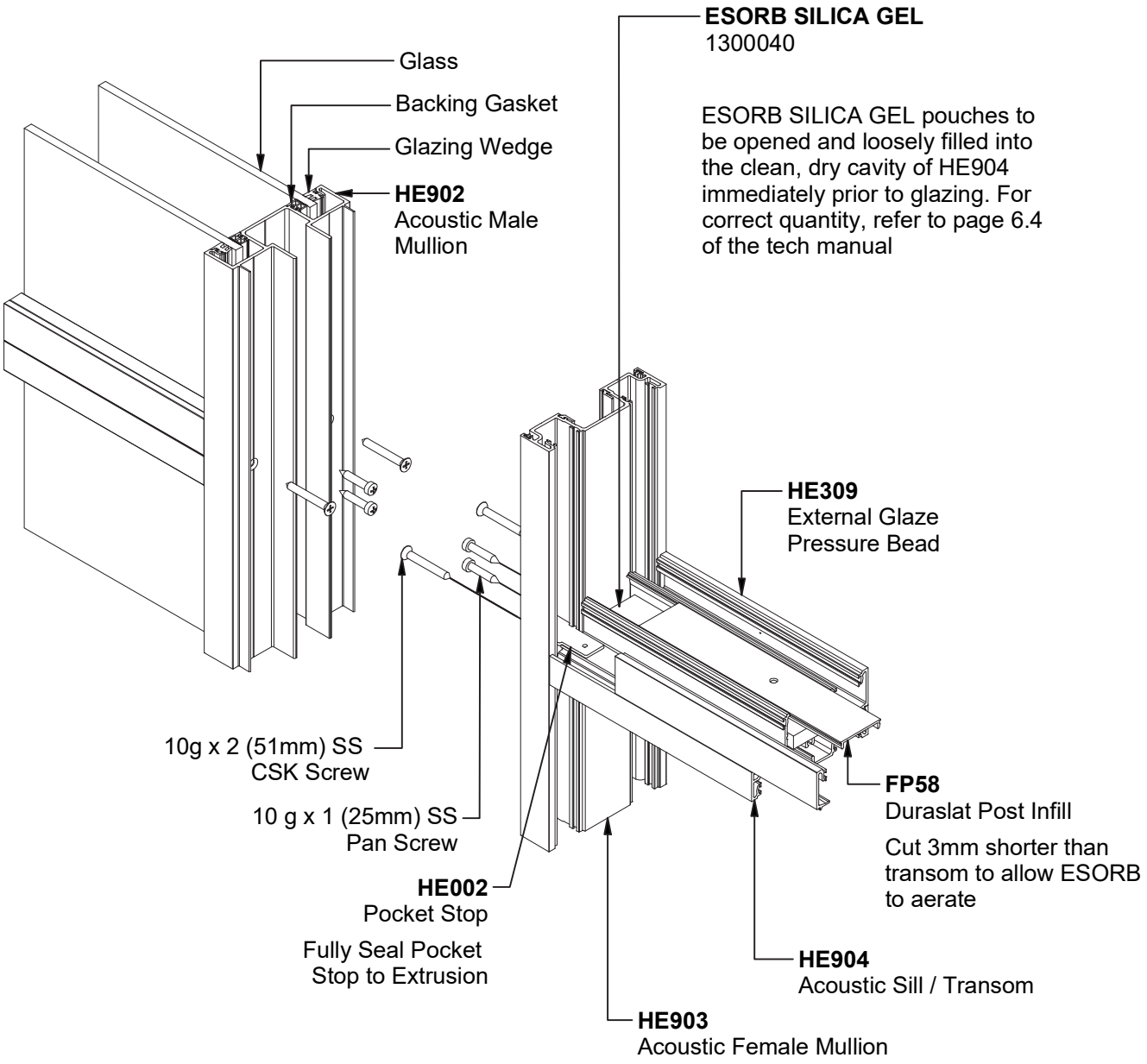


Internal Partition Door Jamb Preparation

L.H. DRAWN
R.H. OPPOSITE

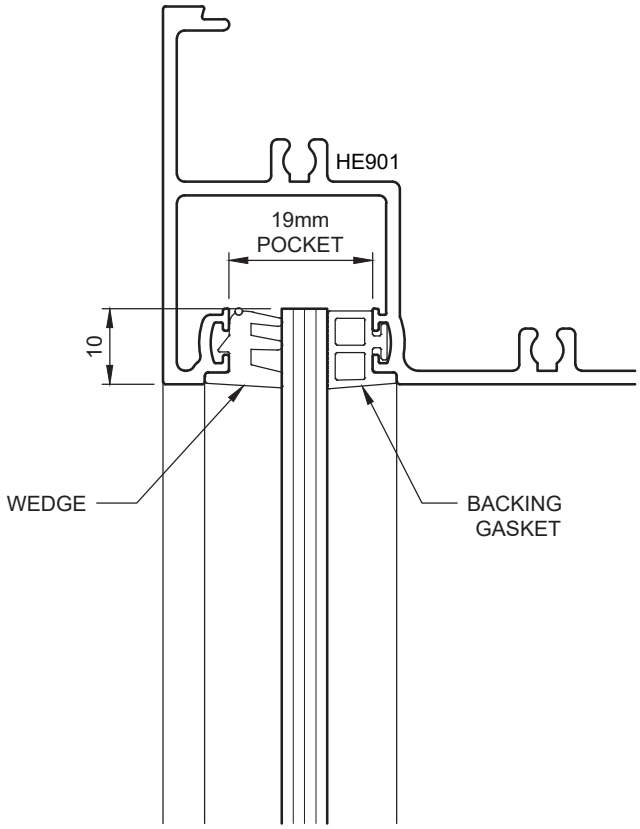


Mullion Exploded View with Desiccant



12. Glazing Details

Captive Details



	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
6 / 6.38mm	RED	GR47 (7mm)	GR49 (6mm)	CE49 (6mm)
8 / 8.38mm	BLUE	GR45 (5mm)	GR49 (6mm)	CE49 (6mm)
10 / 10.38mm	BLUE	GR45 (5mm)	GR37 (4mm)	CE37 (4mm)
10.5 / 10.76mm	WHITE	GR44 (4mm)	GR37 (4mm)	CE37 (4mm)
12 / 12.38mm	BLUE	GR45 (5mm)	GR36 (2mm)	CE36 (2mm)
12.5 / 12.76mm	WHITE	GR44 (4mm)	GR37 (4mm)	CE37 (4mm)
14mm	BROWN	GR43 (3mm)	GR36 (2mm)	CE36 (2mm)

FRAMING

Your new **Hunter Evo 101.6mm Flush Glazed Acoustic Frame**s 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 **Hunter Evo 101.6mm Flush Glazed Acoustic Frame** will retain it's good looks and resist the elements for years to come.

The **Hunter Evo 101.6mm Flush Glazed Acoustic Frame**s 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 **Hunter Evo 101.6mm Flush Glazed Acoustic 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 **Hunter Evo 101.6mm Flush Glazed Acoustic Frame**s 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.

EVERYTHING ALUMINIUM & HARDWARE

HEAD OFFICE | 3 Alspec Place, Eastern Creek NSW 2766
Phone: 02 9834 9500 | Fax: 02 9834 9532 | info@alspec.com.au

ALSPEC SHOWROOMS

AluSpace by Alspec - Sydney | 110 New South Head Road, Edgecliff NSW 2027
Phone: 1300 ALUSPACE (1300 258 772) | design@alspec.com.au

AluSpace by Alspec - Adelaide | 1 Pope Court, Beverley SA 5009
Phone: 08 8150 6960 | adelaidealuspace@alspec.com.au

Brisbane Design Centre | 66 Merivale Street, South Brisbane QLD 4101
Phone: 07 3089 4900 | brisbane@alspec.com.au

MELBOURNE BRANCH
26–40 Pound Road West
Dandenong South VIC 3175
Phone: 03 8787 6333
Fax: 03 8787 6399
melbourne@alspec.com.au

ADELAIDE BRANCH
1 Pope Court
Beverley SA 5009
Phone: 08 8150 6960
Fax: 08 8150 6999
adelaide@alspec.com.au

PERTH BRANCH
30 Holder Way
Malaga WA 6090
Phone: 08 9209 9100
Fax: 08 9209 9199
perth@alspec.com.au

BRISBANE BRANCH
8–22 Jutland Street
Loganlea QLD 4131
Phone: 07 3089 4900
Fax: 07 3089 4999
brisbane@alspec.com.au

NEWCASTLE BRANCH
95 Griffiths Road
Lambton NSW 2299
Phone: 02 4952 9111
Fax: 02 4952 9728
newcastle@alspec.com.au

CAIRNS BRANCH
34–38 Hargreaves Street
Edmonton QLD 4869
Phone: 07 4037 6666
Fax: 07 4037 6699
cairns@alspec.com.au

CANBERRA BRANCH
28 Sheppard Street
Hume ACT 2620
Phone: 02 5134 3300
canberra@alspec.com.au

DARWIN BRANCH
25 Bishop Street
Woolner NT 0820
Phone: 08 8941 7300
darwin@alspec.com.au

SUNSHINE COAST BRANCH
4-8 Empire Crescent
Chevallum QLD 4555
Phone: 07 5437 6123
Fax: 07 5437 6124
chevallum@alspec.com.au

BRENDALE BRANCH
24 Doherty Street
Brendale QLD 4500
Phone: 07 3205 9911
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