



Hastings

Front Glazed Framing



Hastings

150mm Front Glazed Framing

Technical Manual
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alspec[®]
EVERYTHING ALUMINIUM
& HARDWARE

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2. Technical Specifications

ALUMINIUM

Aluminium frames should be manufactured using Alspec's HASTINGS 150mm FRONT GLAZED FRAMING system.

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

GLAZING

Standard SG Panel: 6mm - 13.52mm

Standard DG Panel: 24mm - 28mm

Glazing wedges shall be Alspec's wedges and channels for HASTINGS 150mm FRONT GLAZED FRAMING system to suit standard and captive glazing options, refer to glazing pages in Alspec Technical Manual.

HARDWARE

All hardware as per Alspec Technical Manual

FINISHES

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

TESTING

Product shall have a test report to show compliance to AS2047.

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) or AS4666 (Insulated Glass Units).

Fabricators of the HASTINGS 150mm FRONT GLAZED 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 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
	2400	S	1770	1450	1250	1080	1010
		U	3440	2810	2410	2080	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
lxx = xxx x xxx mm4	Panel Width	800	1000	1200	1400	1600	

STEP 1

→

2400

←

STEP 3

↑

STEP 2

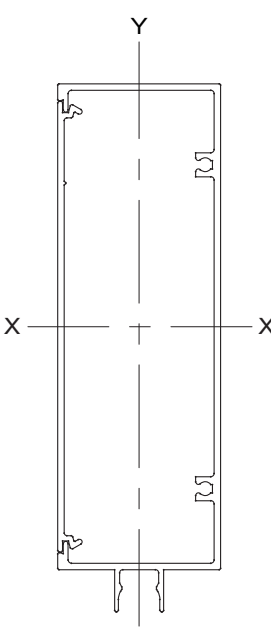
3. Loading Tables

Mullion Combination AS601 + AS605

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

AS601 + AS605 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)						
	4800	S	650	520	430			
		U	1540	1240	1040	900	790	
	4500	S	790	630	530	460	410	
		U	1760	1420	1190	1030	910	820 740
	4200	S	970	780	660	570	500	450 420
		U	2020	1630	1370	1180	1050	940 860
	3900	S	1210	980	830	720	640	580 530
		U	2350	1900	1600	1380	1230	1110 1010
	3600	S	1550	1250	1060	920	820	750 690
		U	2770	2240	1880	1640	1460	1320 1210
	3300	S	2020	1640	1390	1210	1090	990 920
		U	3310	2680	2260	1970	1760	1600 1480
	3000	S	2710	2200	1870	1640	1480	1350 1260
		U	4020	3260	2760	2420	2170	1980 1840
	2700	S	3000	3000	2610	2300	2090	1930 1820
		U	4990	4060	3460	3040	2740	2530 2370
	2400	S	3000	3000	3000	3000	3000	2900 2770
		U	6370	5210	4460	3950	3600	3350 3190
	2100	S	3000	3000	3000	3000	3000	3000 3000
		U	8420	6940	6000	5380	4970	4720 4590
$I_{xx} = 2666 \times 10^3 \text{ mm}^4$	Mullion Spacing		800	1000	1200	1400	1600	1800 2000

Tables are based on theoretical section properties

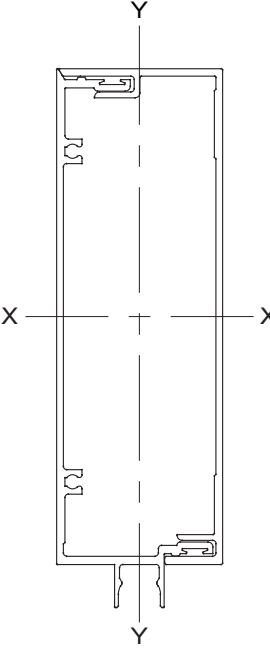
3. Loading Tables

Mullion Combination AS602 + AS603

Max Stress = 110Mpa

S = Serviceability limit state 1/250

U = Ultimate limit state

AS602 + AS603 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)						
		S	U	S	U	S	U	S
	4800	S	810	650	550	470	420	
		U	1800	1450	1210	1050	920	830 750
	4500	S	990	800	670	580	510	460 420
		U	2050	1650	1390	1200	1060	950 870
	4200	S	1220	980	830	720	630	570 520
		U	2360	1900	1600	1380	1220	1100 1010
	3900	S	1530	1230	1040	900	800	730 670
		U	2740	2210	1860	1610	1430	1290 1180
	3600	S	1950	1580	1330	1160	1030	940 870
		U	3230	2610	2200	1910	1700	1540 1410
	3300	S	2540	2060	1740	1520	1360	1240 1150
		U	3860	3120	2630	2300	2050	1860 1720
	3000	S	3000	2770	2350	2060	1860	1700 1590
		U	4690	3800	3220	2820	2520	2310 2150
	2700	S	3000	3000	3000	2890	2620	2430 2290
		U	5820	4740	4030	3540	3200	2950 2760
	2400	S	3000	3000	3000	3000	3000	3000 3000
		U	7430	6070	5200	4610	4200	3910 3720
	2100	S	3000	3000	3000	3000	3000	3000 3000
		U	9000	8080	6990	6270	5790	5500 5350
Ixx = 3349 x 10 ³ mm ⁴	Mullion Spacing		800	1000	1200	1400	1600	1800 2000

Tables are based on theoretical section properties

3. Loading Tables

Mullion Combination AS611 + AS612

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

AS611 + AS612 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)							
	4800	S	1130	910	760	660	580	520	480
		U	2230	1790	1500	1300	1150	1030	940
	4500	S	1370	1110	930	800	710	640	590
		U	2540	2050	1720	1480	1310	1180	1080
	4200	S	1690	1370	1150	1000	880	800	730
		U	2930	2360	1980	1710	1520	1370	1250
	3900	S	2120	1710	1440	1250	1120	1010	930
		U	3400	2740	2310	2000	1770	1600	1470
	3600	S	2710	2190	1850	1610	1440	1310	1200
		U	4000	3230	2720	2370	2100	1910	1750
	3300	S	3000	2860	2420	2120	1900	1730	1600
		U	4780	3870	3270	2850	2540	2310	2130
	3000	S	3000	3000	3000	2870	2580	2370	2210
		U	5810	4710	3990	3490	3130	2860	2660
	2700	S	3000	3000	3000	3000	3000	3000	3000
		U	7210	5870	5000	4390	3960	3650	3430
	2400	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	7530	6450	5710	5200	4850	4610
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	8660	7770	7180	6810	6640
lxx = 4651 x 10 ³ mm ⁴	Mullion Spacing		800	1000	1200	1400	1600	1800	2000

Tables are based on theoretical section properties

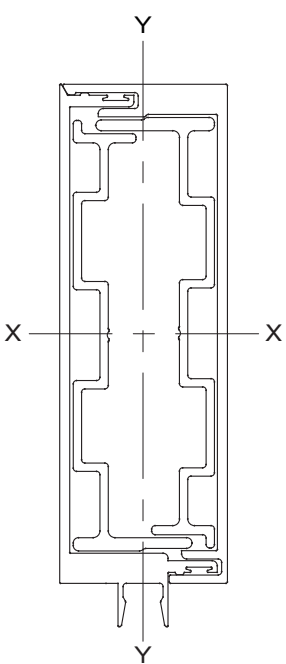
3. Loading Tables

Mullion Combination AS611 + AS612 + AS613 x 2

Max Stress = 110Mpa

S = Serviceability limit state 1/250

U = Ultimate limit state

AS611 + AS612 + AS613 x 2 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)						
	4800	S	1680	1350	1130	980	860	780
		U	3310	2660	2230	1930	1700	1530
	4500	S	2040	1640	1380	1190	1060	950
		U	3770	3030	2550	2200	1950	1750
	4200	S	2510	2030	1700	1480	1310	1180
		U	4340	3490	2930	2540	2250	2030
	3900	S	3000	2540	2140	1860	1650	1500
		U	5040	4060	3420	2960	2630	2370
	3600	S	3000	3000	2740	2390	2130	1940
		U	5930	4790	4040	3510	3120	2830
	3300	S	3000	3000	3000	3000	2810	2560
		U	7080	5730	4840	4220	3760	3420
	3000	S	3000	3000	3000	3000	3000	3000
		U	8610	6980	5910	5170	4640	4240
	2700	S	3000	3000	3000	3000	3000	3000
		U	9000	8700	7400	6510	5870	5410
	2400	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	8460	7700	7180
	2100	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000
Ixx = 6887 x 10³ mm⁴	Mullion Spacing		800	1000	1200	1400	1600	1800
			2000					

Tables are based on theoretical section properties

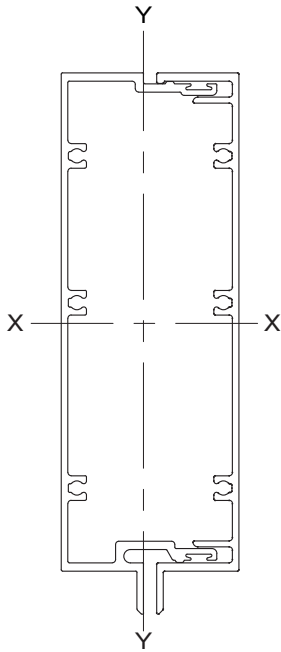
3. Loading Tables

Mullion Combination AS622 + AS623

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

AS622 + AS623 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)							
	4800	S	940	760	640	550	490	440	
		U	2200	1770	1480	1280	1130	1020	920
	4500	S	1150	920	780	670	590	530	490
		U	2510	2020	1700	1470	1290	1160	1060
	4200	S	1420	1140	960	830	740	670	610
		U	2890	2330	1950	1690	1500	1350	1230
	3900	S	1770	1430	1210	1050	930	840	770
		U	3360	2710	2280	1970	1750	1580	1450
	3600	S	2260	1830	1540	1350	1200	1090	1000
		U	3950	3190	2690	2340	2080	1880	1730
	3300	S	2950	2390	2020	1770	1580	1440	1340
		U	4720	3820	3220	2810	2510	2280	2110
	3000	S	3000	3000	2730	2390	2150	1980	1850
		U	5730	4650	3940	3450	3090	2820	2630
	2700	S	3000	3000	3000	3000	3000	2820	2650
		U	7120	5790	4930	4340	3910	3600	3380
	2400	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	7430	6360	5640	5130	4780	4550
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	8550	7660	7080	6720	6550
$I_{xx} = 3886 \times 10^3 \text{ mm}^4$	Mullion Spacing		800	1000	1200	1400	1600	1800	2000

Tables are based on theoretical section properties

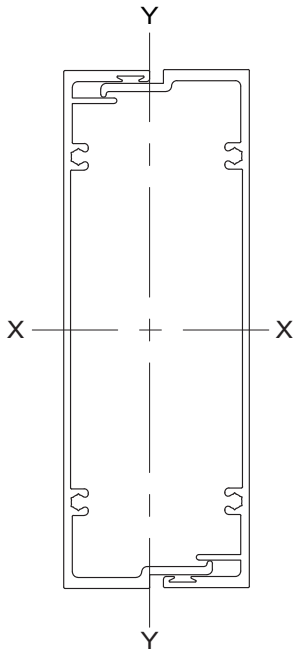
3. Loading Tables

Mullion Combination AS641 x 2

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

AS641 x 2 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)						
	4800	S	880	710	590	510	450	410
		U	2170	1740	1460	1260	1110	1000
	4500	S	1070	860	720	630	550	500
		U	2470	1990	1670	1440	1270	1150
	4200	S	1320	1060	890	780	690	620
		U	2840	2290	1920	1670	1470	1330
	3900	S	1650	1330	1120	980	870	790
		U	3310	2660	2240	1940	1720	1560
	3600	S	2110	1710	1440	1260	1120	1020
		U	3890	3140	2650	2300	2050	1850
	3300	S	2750	2230	1890	1650	1480	1350
		U	4650	3760	3170	2770	2470	2240
	3000	S	3000	2990	2540	2230	2010	1840
		U	5650	4580	3880	3390	3040	2780
	2700	S	3000	3000	3000	3000	2840	2630
		U	7010	5700	4860	4270	3850	3550
	2400	S	3000	3000	3000	3000	3000	3000
		U	8950	7310	6260	5550	5050	4710
	2100	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	8420	7550	6970	6620
lxx = 3625 x 10³ mm⁴	Mullion Spacing		800	1000	1200	1400	1600	1800
			2000					

Tables are based on theoretical section properties

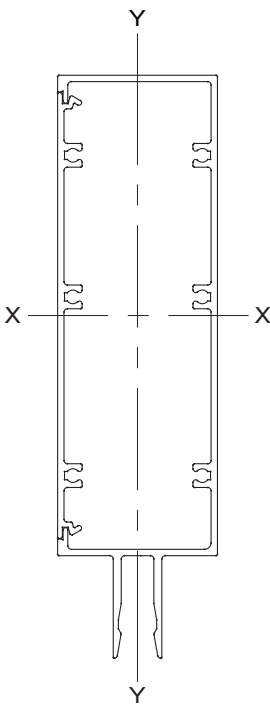
3. Loading Tables

Mullion Combination AS651 + AS655

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

AS651 + AS655 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)						
	4800	S	840	680	570	490	430	
		U	1810	1460	1220	1050	930	830 760
	4500	S	1020	820	690	600	530	480 440
		U	2070	1660	1390	1210	1060	960 870
	4200	S	1260	1020	860	740	660	590 540
		U	2380	1910	1610	1390	1230	1110 1010
	3900	S	1580	1280	1070	930	830	750 690
		U	2760	2230	1870	1620	1440	1300 1190
	3600	S	2020	1630	1380	1200	1070	970 900
		U	3250	2620	2210	1920	1710	1550 1420
	3300	S	2630	2130	1810	1580	1410	1290 1190
		U	3880	3140	2650	2310	2060	1880 1730
	3000	S	3000	2860	2430	2130	1920	1760 1650
		U	4720	3830	3240	2840	2540	2320 2160
	2700	S	3000	3000	3000	2990	2710	2510 2370
		U	5860	4770	4060	3570	3220	2970 2780
	2400	S	3000	3000	3000	3000	3000	3000 3000
		U	7480	6110	5240	4640	4220	3940 3750
	2100	S	3000	3000	3000	3000	3000	3000 3000
		U	9000	8140	7040	6310	5830	5530 5390
l_{xx} = 3465 x 10³ mm⁴	Mullion Spacing		800	1000	1200	1400	1600	1800 2000

Tables are based on theoretical section properties

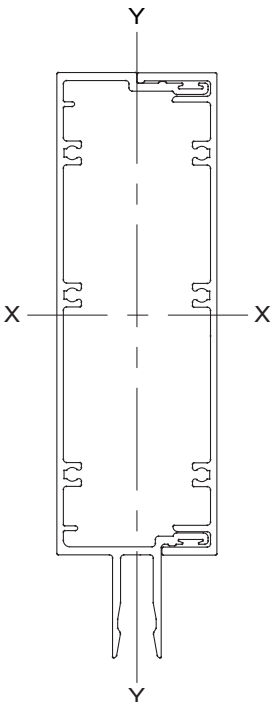
3. Loading Tables

Mullion Combination AS653 + AS652

Max Stress = 110Mpa

S = Serviceability limit state 1/250

U = Ultimate limit state

AS653 + AS652 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)							
	4800	S	1050	840	710	610	540	490	440
		U	2280	1830	1530	1320	1170	1050	950
	4500	S	1280	1030	860	750	660	600	540
		U	2590	2090	1750	1510	1340	1200	1100
	4200	S	1580	1270	1070	930	820	740	680
		U	2980	2400	2020	1750	1550	1390	1270
	3900	S	1970	1590	1340	1170	1040	940	860
		U	3470	2800	2350	2040	1810	1630	1500
	3600	S	2520	2040	1720	1500	1340	1210	1120
		U	4080	3290	2780	2410	2150	1940	1790
	3300	S	3000	2660	2250	1970	1760	1610	1490
		U	4870	3940	3330	2900	2590	2350	2170
	3000	S	3000	3000	3000	2670	2400	2200	2060
		U	5920	4800	4070	3560	3190	2920	2710
	2700	S	3000	3000	3000	3000	3000	3000	2960
		U	7350	5980	5090	4480	4040	3720	3490
	2400	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	7670	6570	5820	5300	4940	4700
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	8830	7920	7320	6950	6770
Ixx = 4328 x 10 ³ mm ⁴	Mullion Spacing		800	1000	1200	1400	1600	1800	2000

Tables are based on theoretical section properties

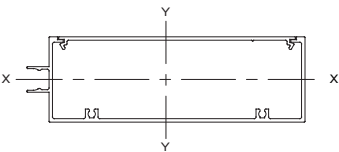
3. Loading Tables

Transom Combination AS601 + AS605

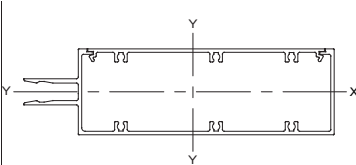
Max Stress = 110Mpa

S = Serviceability limit state 1/250

U = Ultimate limit state

AS601 + AS605 TRANSOM	Transom Centres	Maximum Design Loads (Pa)			
	2400	S	3000	3000	3000
		U	9000	9000	8930
	2100	S	3000	3000	3000
		U	9000	9000	7610
	1800	S	3000	3000	3000
		U	9000	9000	7270
	1500	S	3000	3000	3000
		U	9000	9000	7570
	1200	S	3000	3000	3000
		U	9000	9000	8540
	900	S	3000	3000	3000
		U	9000	9000	9000
Max Kg		200	200	129	
$I_{xx} = 2666 \times 10^3 \text{ mm}^4$ $I_{yy} = 162 \times 10^3 \text{ mm}^4$	Transom length	1200	1500	1800	

Transom Combination AS251 + AS255

AS251 + AS255 TRANSOM	Transom Centres	Maximum Design Loads (Pa)			
	2400	S	3000	3000	3000
		U	9000	9000	9000
	2100	S	3000	3000	3000
		U	9000	9000	8930
	1800	S	3000	3000	3000
		U	9000	9000	8530
	1500	S	3000	3000	3000
		U	9000	9000	8880
	1200	S	3000	3000	3000
		U	9000	9000	9000
	900	S	3000	3000	3000
		U	9000	9000	9000
Max Kg		200	200	144	
$I_{xx} = 3465 \times 10^3 \text{ mm}^4$ $I_{yy} = 182 \times 10^3 \text{ mm}^4$	Transom length	1200	1500	1800	

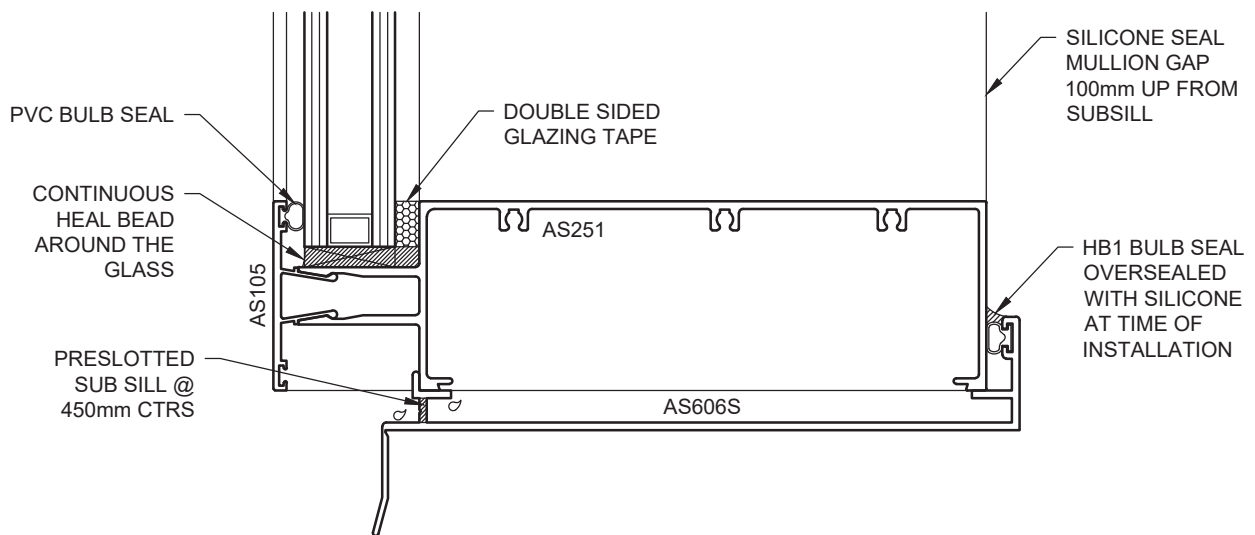
Tables are based on theoretical section properties

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

4. Test Summary

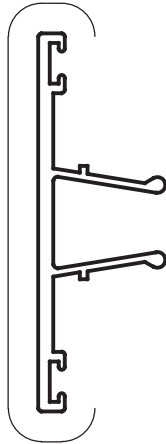
AS2047 - Double Glazed Window Configuration

TEST REPORT:	AS13-216
SYSTEM CONFIGURATION	HASTINGS 150mm F/F FRONT GLAZED, DOUBLE GLAZED FRAMING
TEST SAMPLE SIZE	2.4m high x 3.0m wide
SERVICEABILITY LOAD	+/- 2.4 kPa
ULTIMATE LOAD	+/- 3.0 kPa
WATER PENETRATION	1000 Pa
AIR INFILTRATION	75Pa + 0.02L/m/s ² - 0.04L/m/s 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 Alspeg prior to commencement.

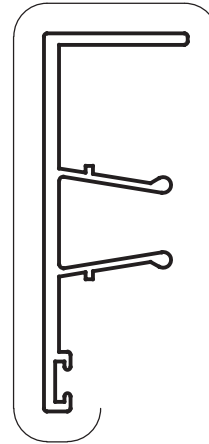
VISIBLE SURFACE



AS104
SNAP ADAPTOR

Mass. 0.381 Kg/m
Anod. Per. 188
Paint Per. 100

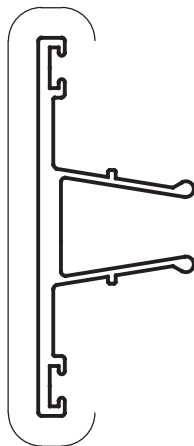
VISIBLE SURFACE



AS105
SNAP ADAPTOR

Mass. 0.443 Kg/m
Anod. Per. 211
Paint Per. 100

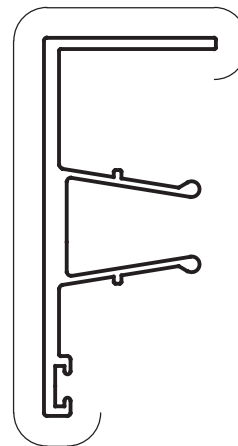
VISIBLE SURFACE



AS124
SNAP ADAPTOR

Mass. 0.438 Kg/m
Anod. Per. 201
Paint Per. 100

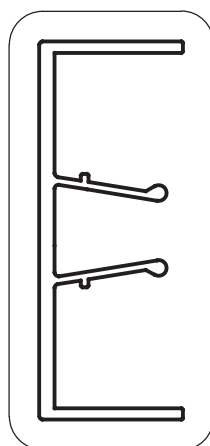
VISIBLE SURFACE



AS125
SNAP ADAPTOR
WITH LEG

Mass. 0.515 Kg/m
Anod. Per. 232
Paint Per. 100

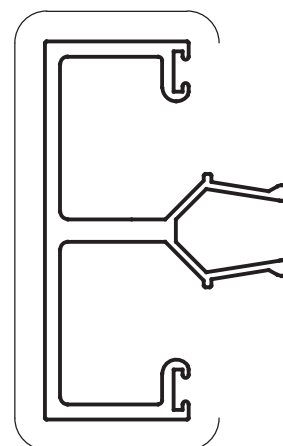
VISIBLE SURFACE



AS119
SNAP COVER

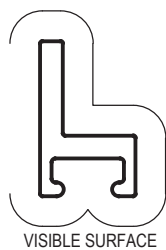
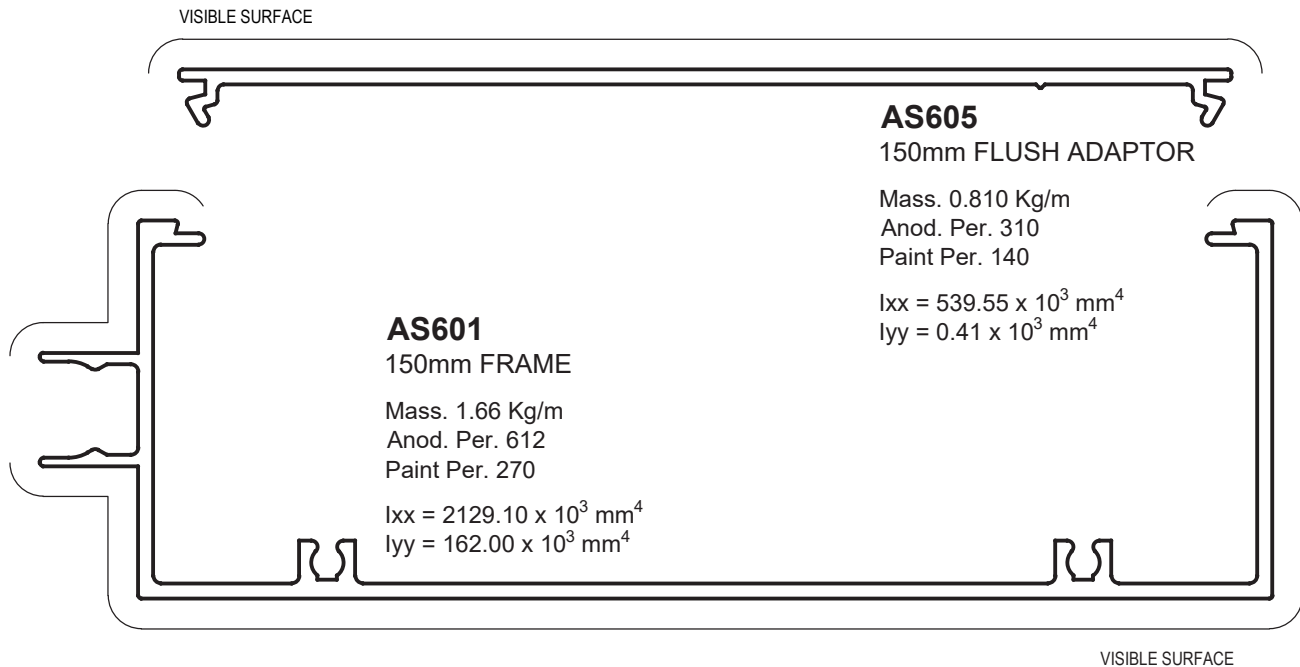
Mass. 0.505 Kg/m
Anod. Per. 235
Paint Per. 100

VISIBLE SURFACE



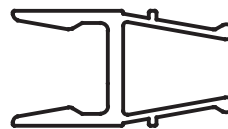
AS113
DEEP ADAPTOR

Mass. 0.749 Kg/m
Anod. Per. 235
Paint Per. 100



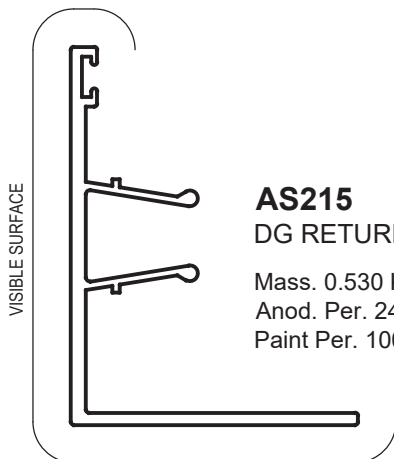
AS108
PLANT ON DOOR STOP

Mass. 0.259 Kg/m
Anod. Per. 100
Paint Per. 100



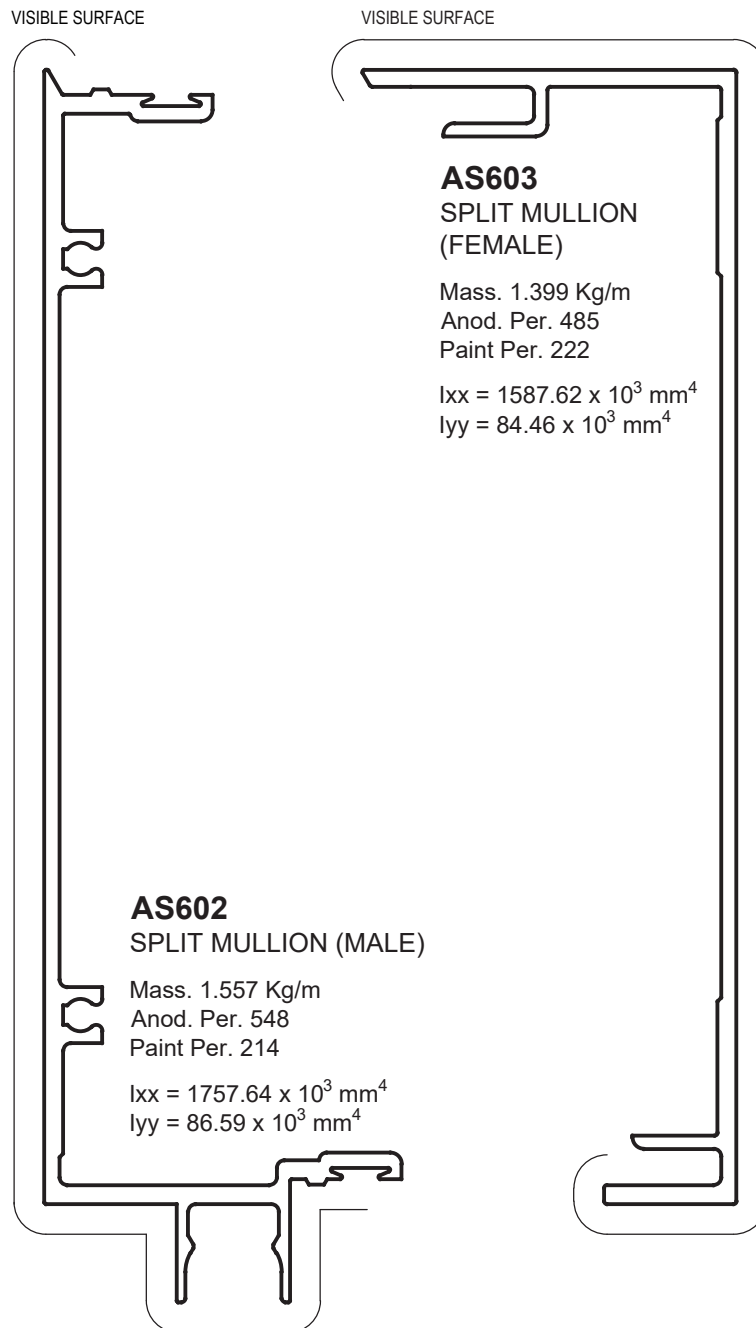
AS126
DOUBLE SNAP
GLAZING ADAPTOR

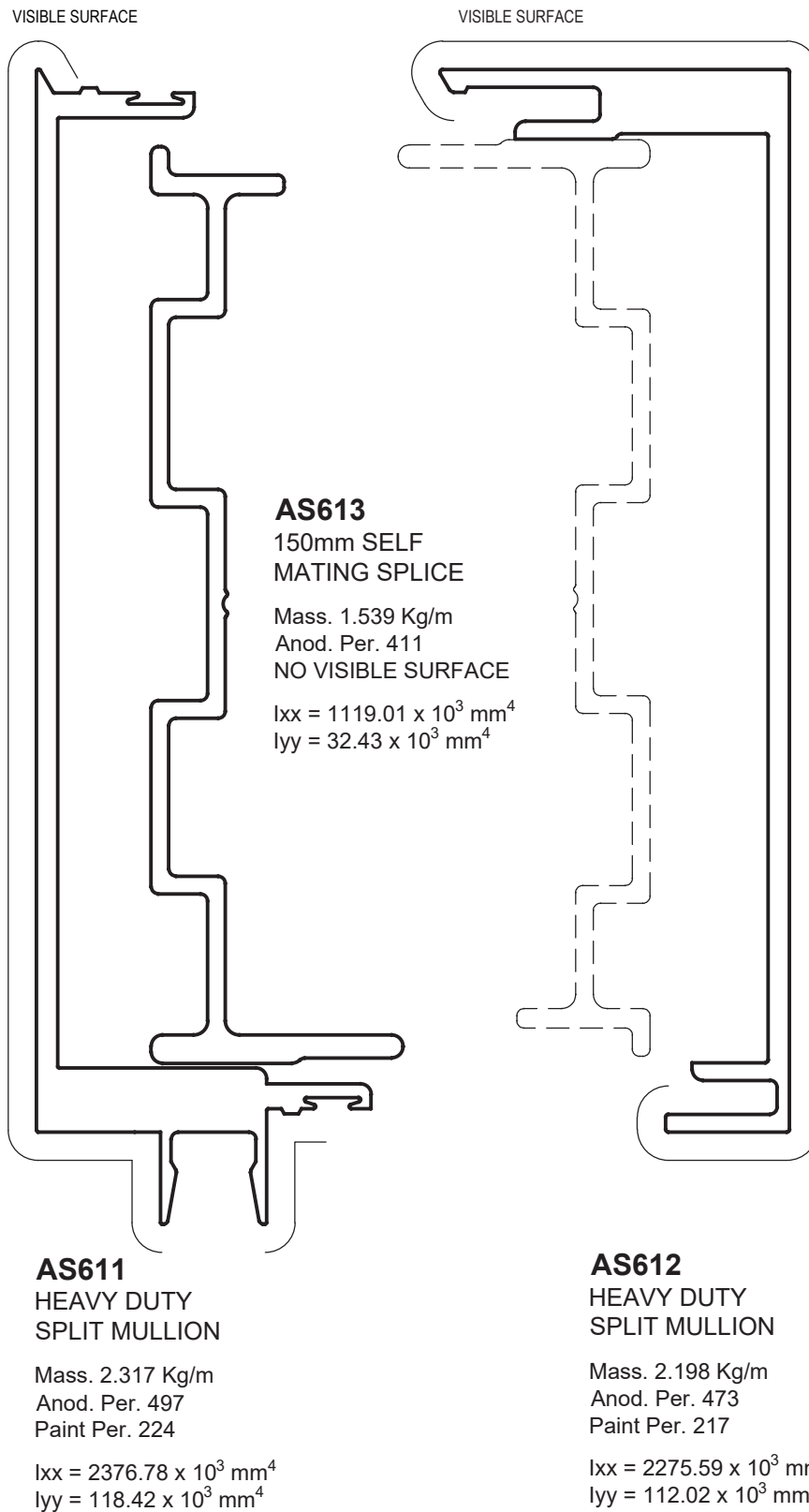
Mass. 0.299 Kg/m
Anod. Per. 147
NO VISIBLE SURFACE

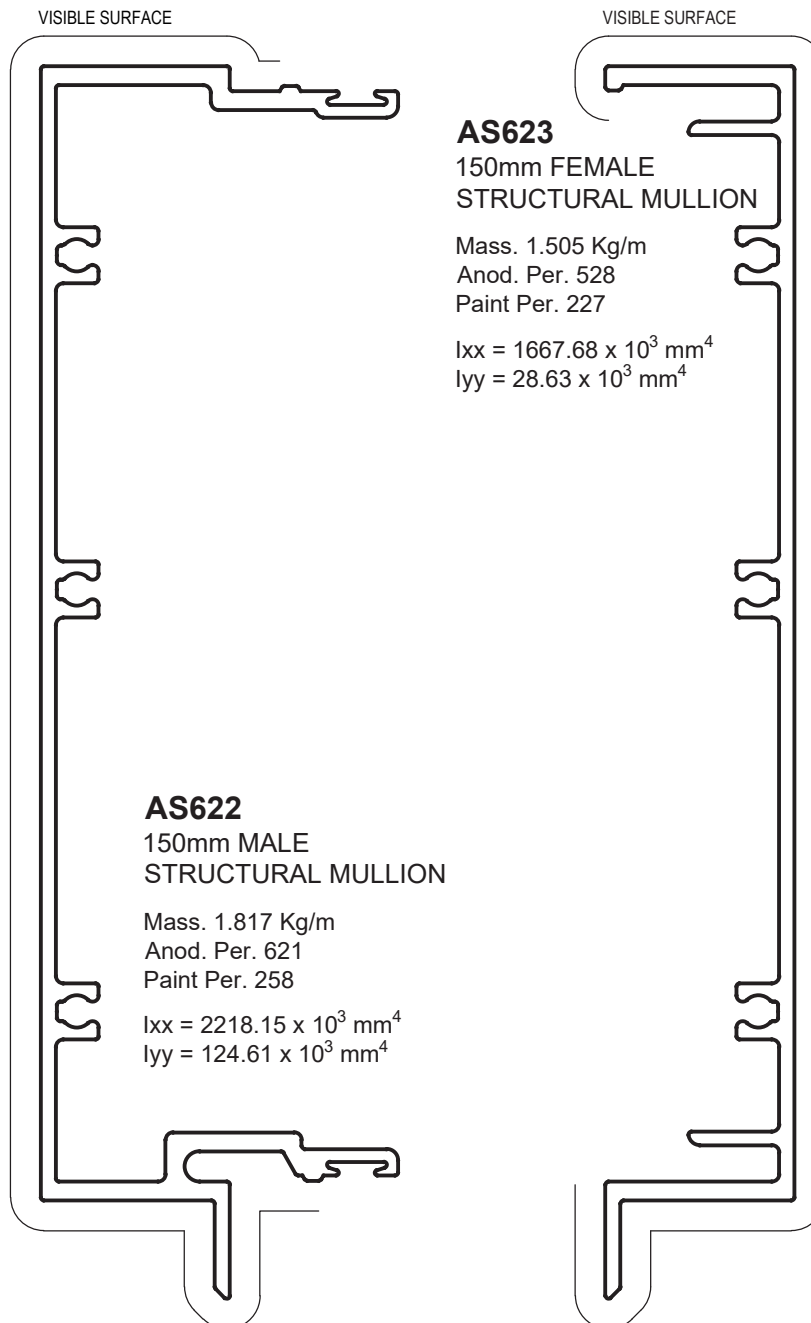


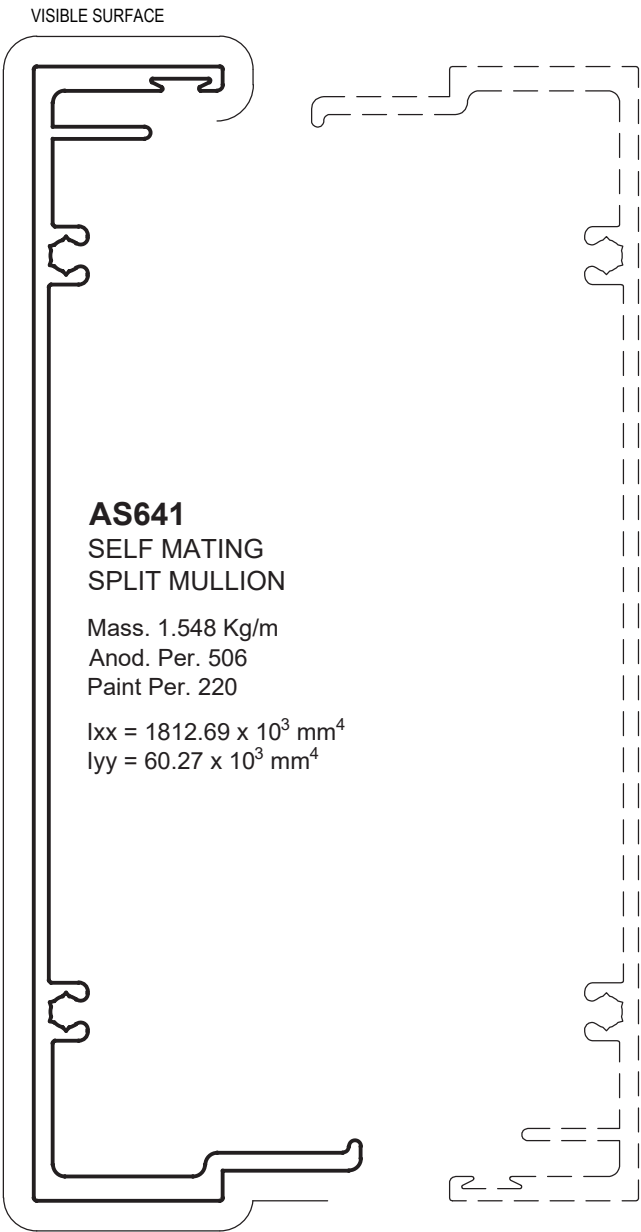
AS215
DG RETURN END CAP

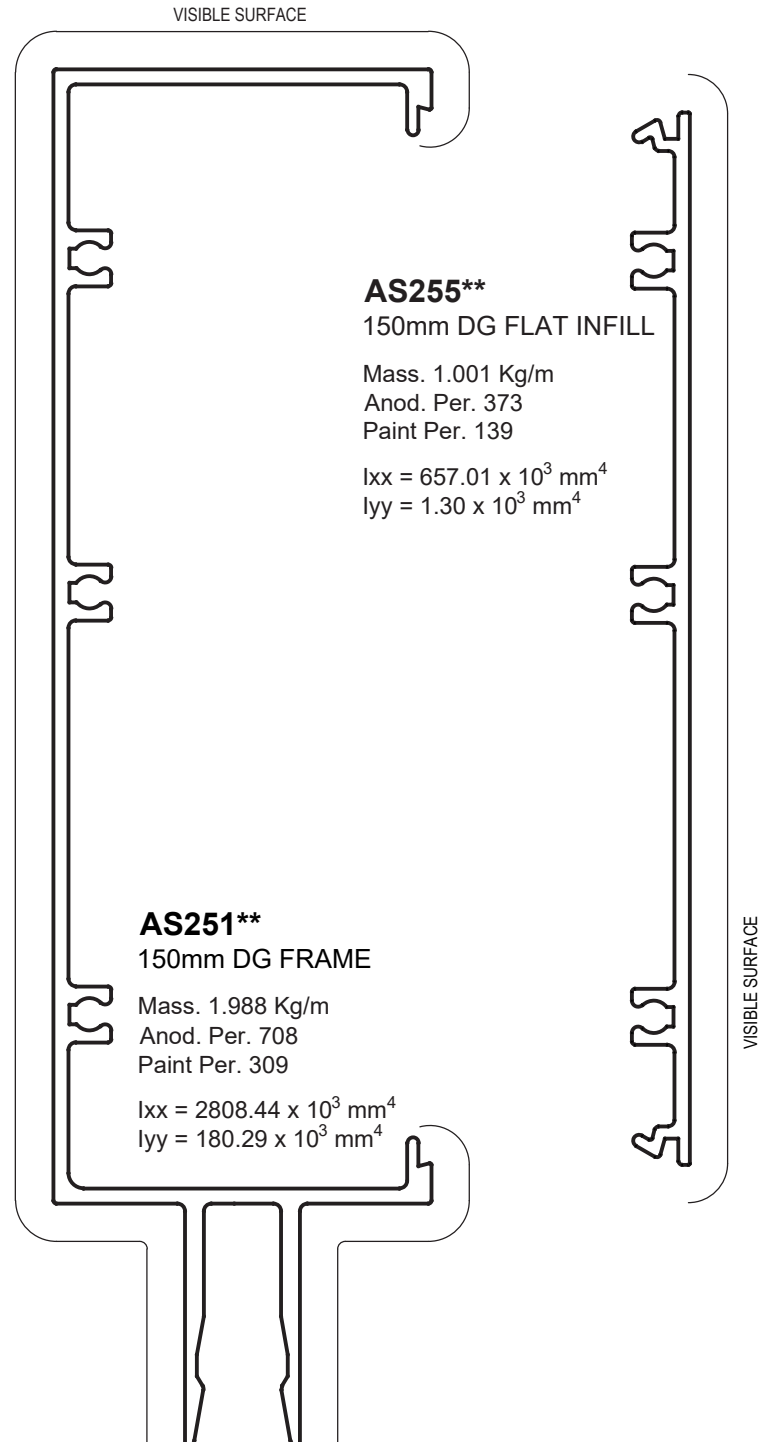
Mass. 0.530 Kg/m
Anod. Per. 249
Paint Per. 100



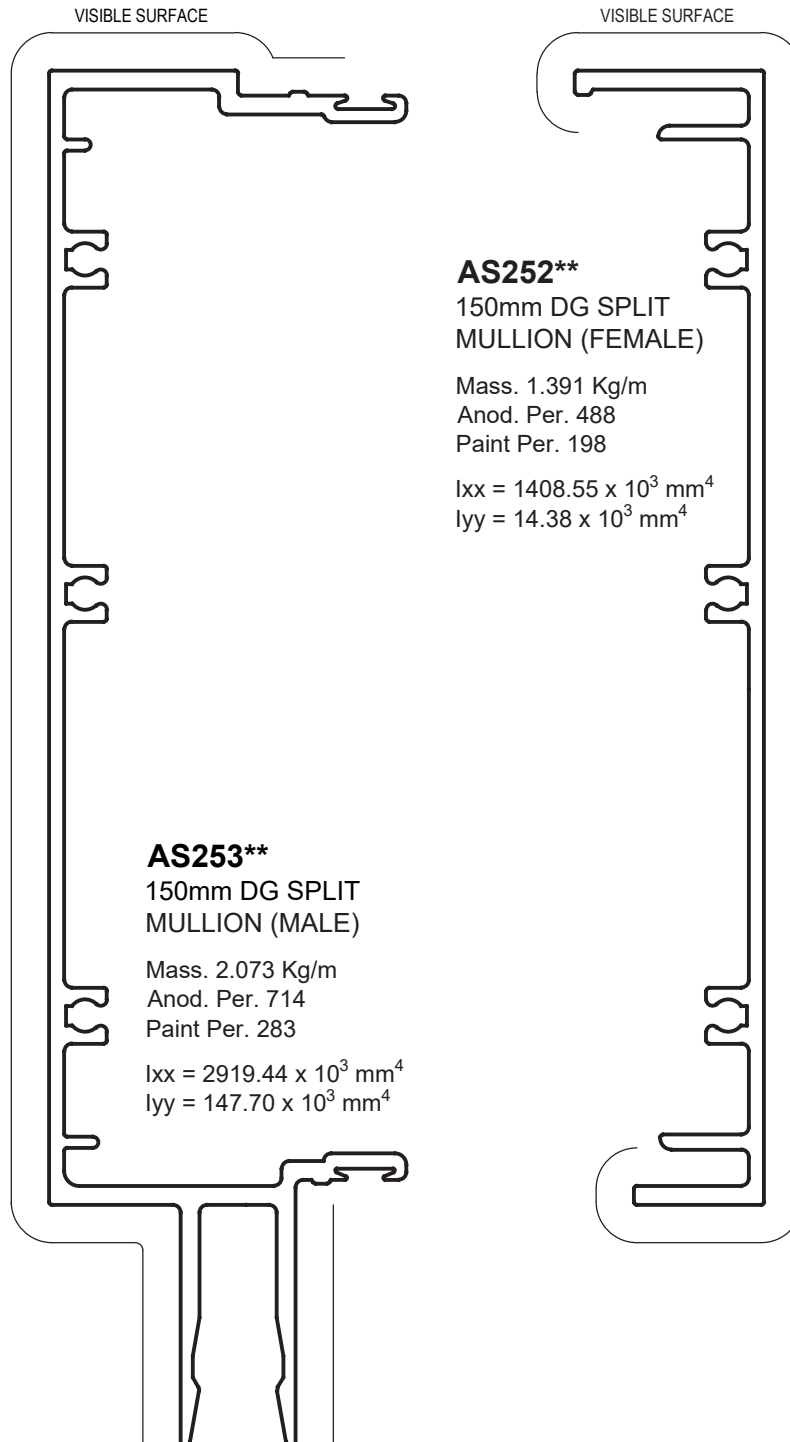








** NON STOCK ITEM



** NON STOCK ITEM

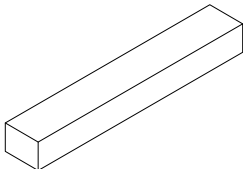
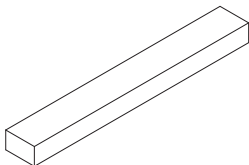
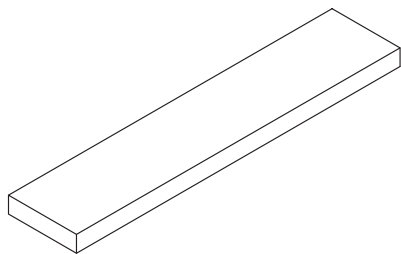
Seals

IMAGE	PART #	FINISH	DESCRIPTION
	1376300	BLACK (034)	HB1 BULB SEAL x 100m
	1376301		HB1 BULB SEAL x 1m
	1376451	BLACK (034)	MS1B MULLION RUBBER x 1m
	1376452		MS1B MULLION RUBBER x 100m
	1376847	BLACK (034)	WS48 SEAL PVC x 1m
	1376848		WS48 PVC SEAL x 500m
	1385506	BLACK (034)	12mm x 6.4mm DOUBLE SIDED GLAZING TAPE x 10.7m
	1385549		12mm x 3.2mm DOUBLE SIDED GLAZING TAPE x 30.5m
	1385577		12mm x 4.8mm DOUBLE SIDED GLAZING TAPE x 15.2m
	1385580		12mm x 1.6mm DOUBLE SIDED GLAZING TAPE x 61m

Fasteners

SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382054	PHILLIPS	10g x 1 (25mm) SS PHIL PAN S/TAP SCREW x 500	Framing

Accessories



SETTING BLOCK 5 x 21 x 100mm BAG OF 100	
PART	1376774
FINISH	BLACK (034)
QTY	BAG OF 100

SETTING BLOCK 10 x 6 x 75mm BAG OF 100	
PART	1376775
FINISH	BLACK (034)
QTY	BAG OF 100

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

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



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

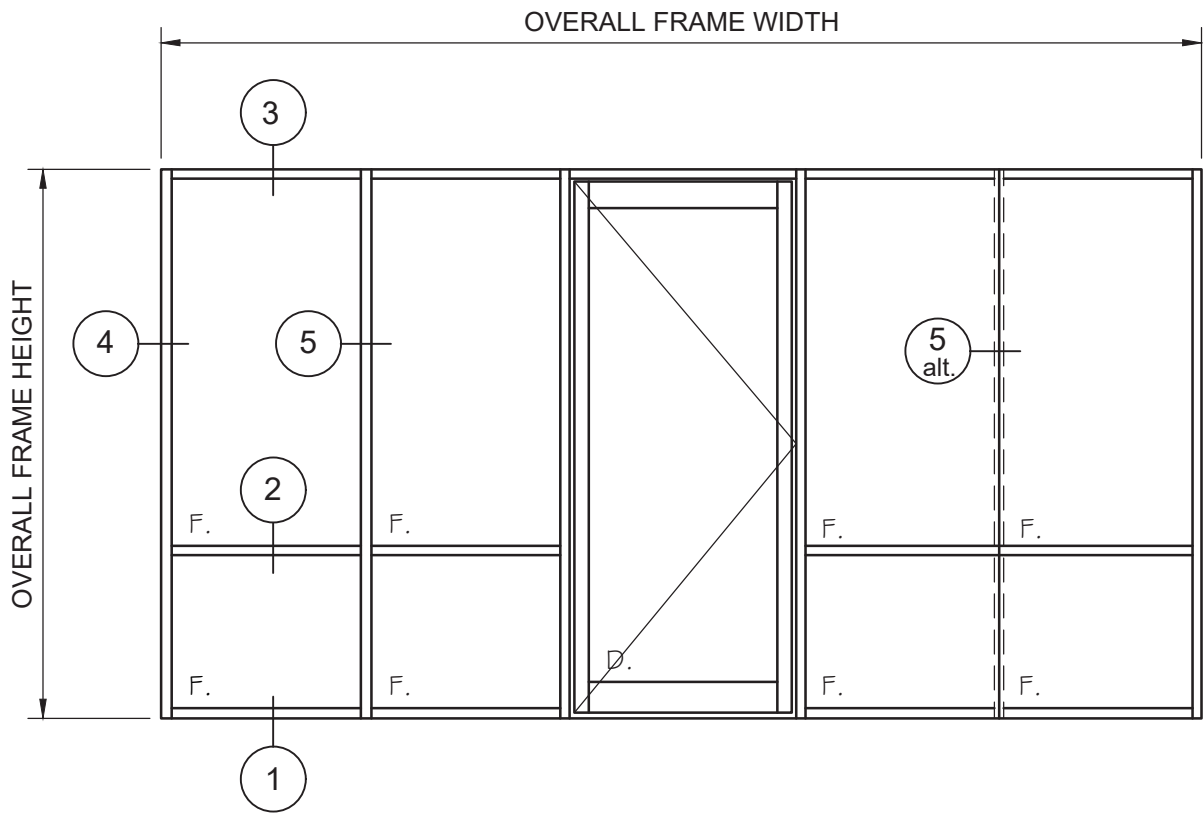
*For more information on silicones,
please refer to Alspec Silicone Brochure.

6. Hardware & Components

Silicone Product Codes

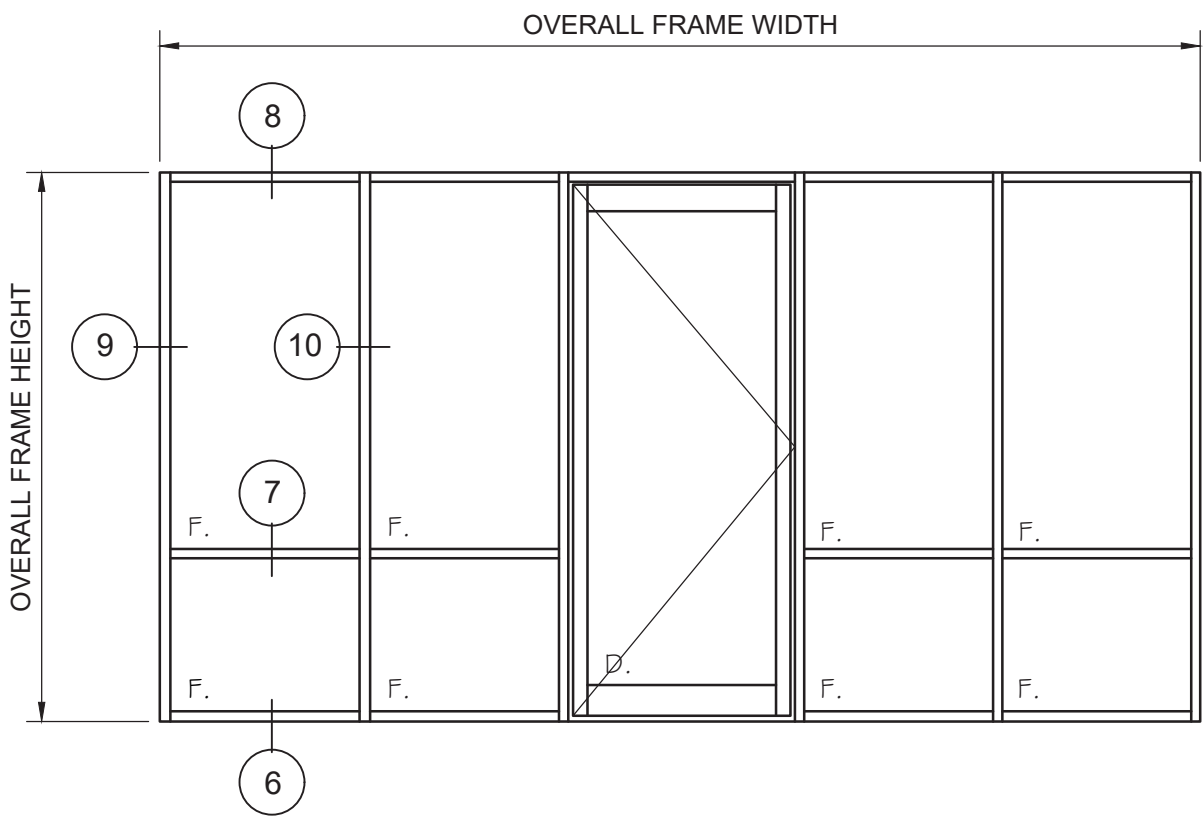
Product Category	Item No.	Alspec Part No. Code	Description	Finish	Pack
ALSPEC 100%	1	1386113	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALMOND IVORY	CARTRIDGE
	2	1386114	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALUMINIUM	CARTRIDGE
	3	1386105	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	BLACK	CARTRIDGE
	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

Single Glazing



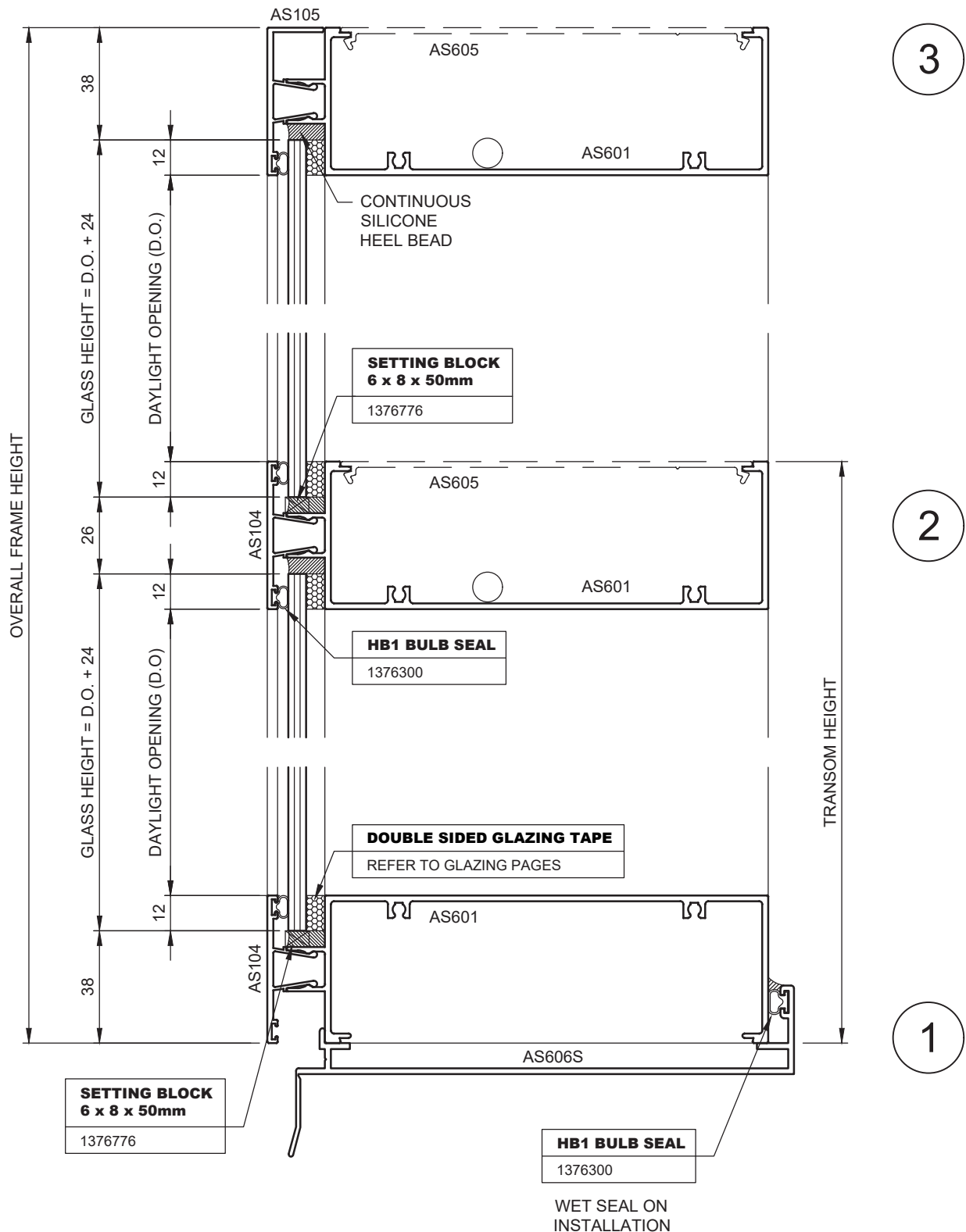
7. Typical Elevation

Double Glazing



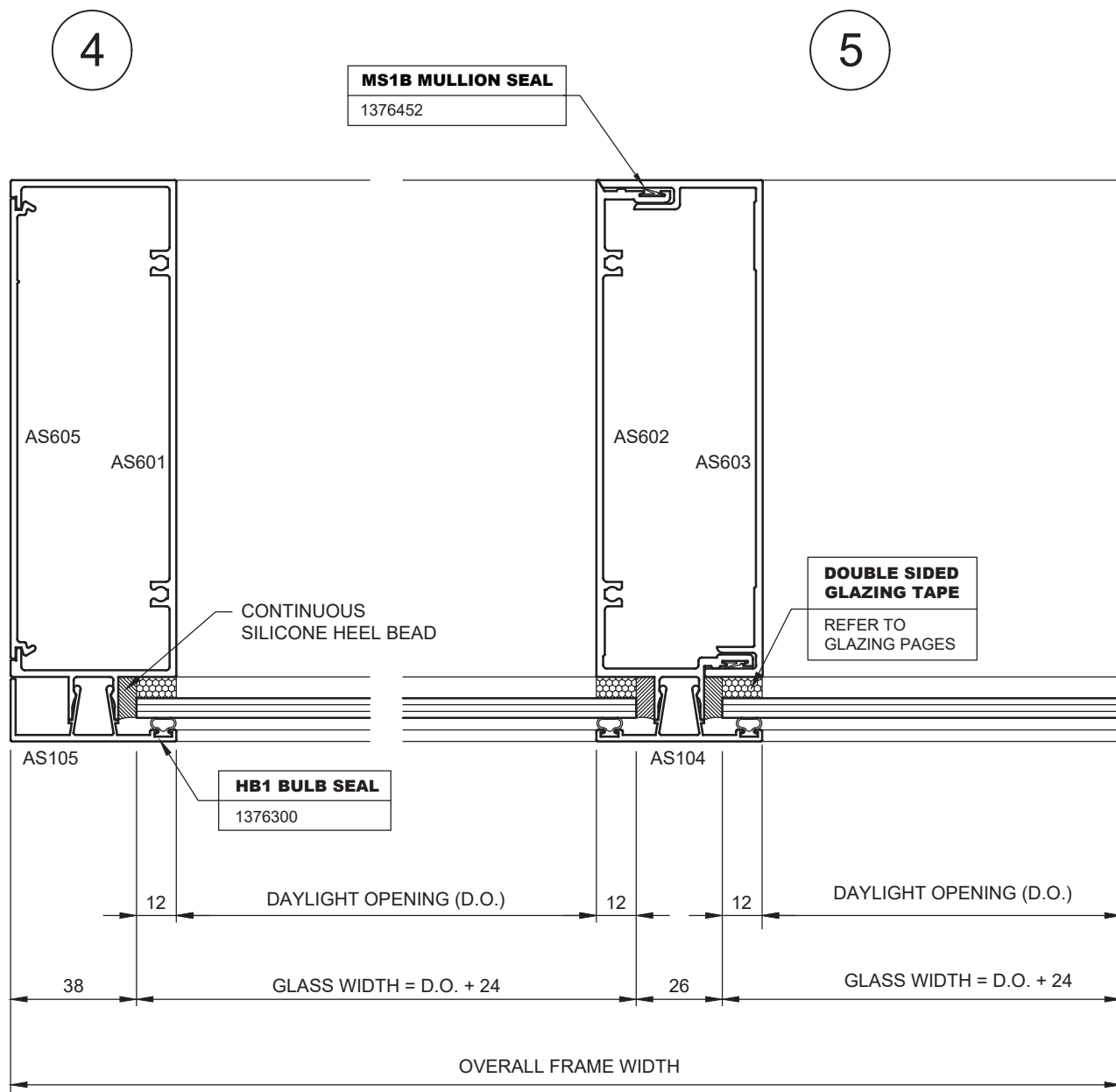
8. Typical Details

Sill, Transom and Head Details



8. Typical Details

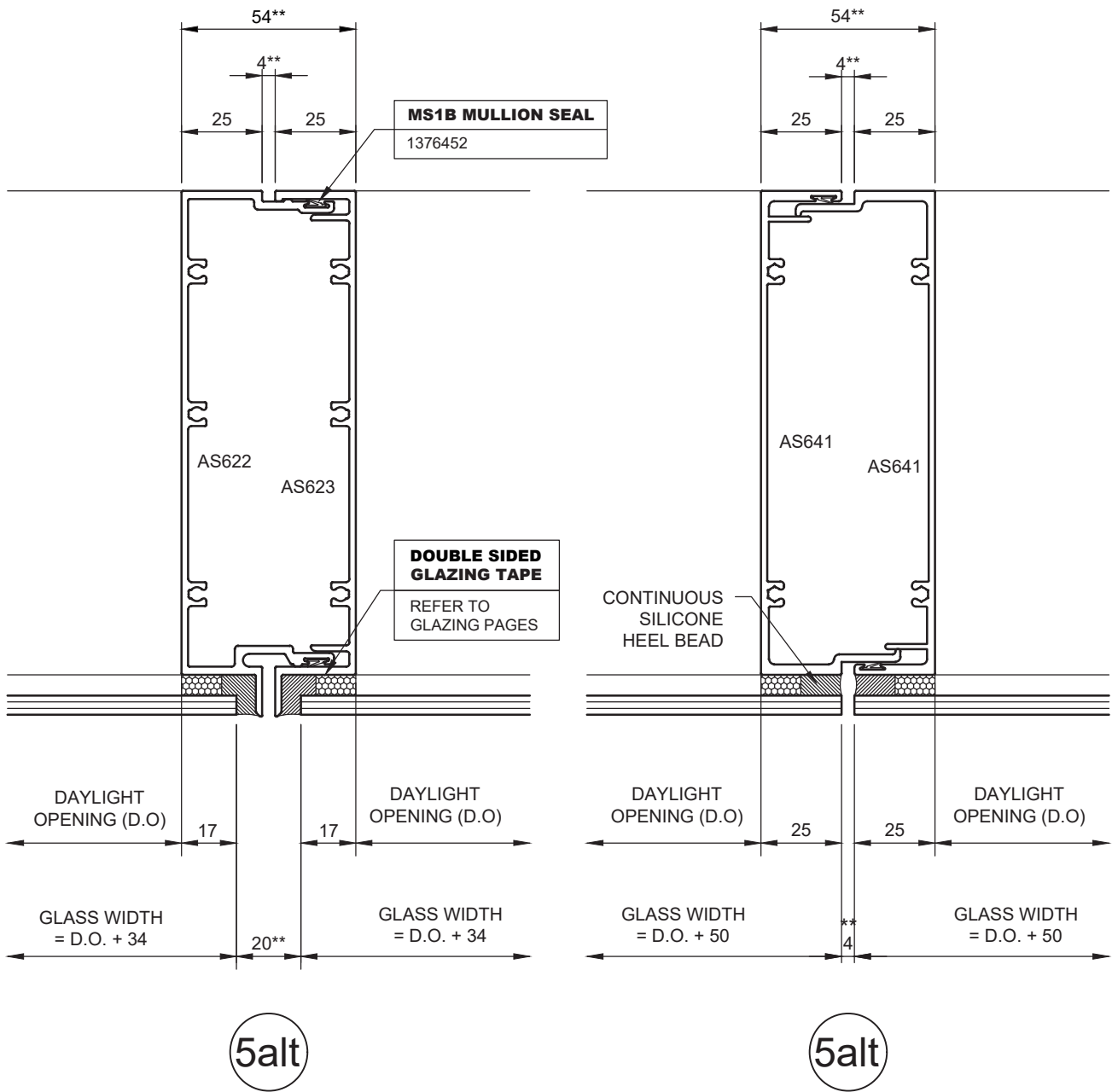
Jamb and Mullion Details



8. Typical Details



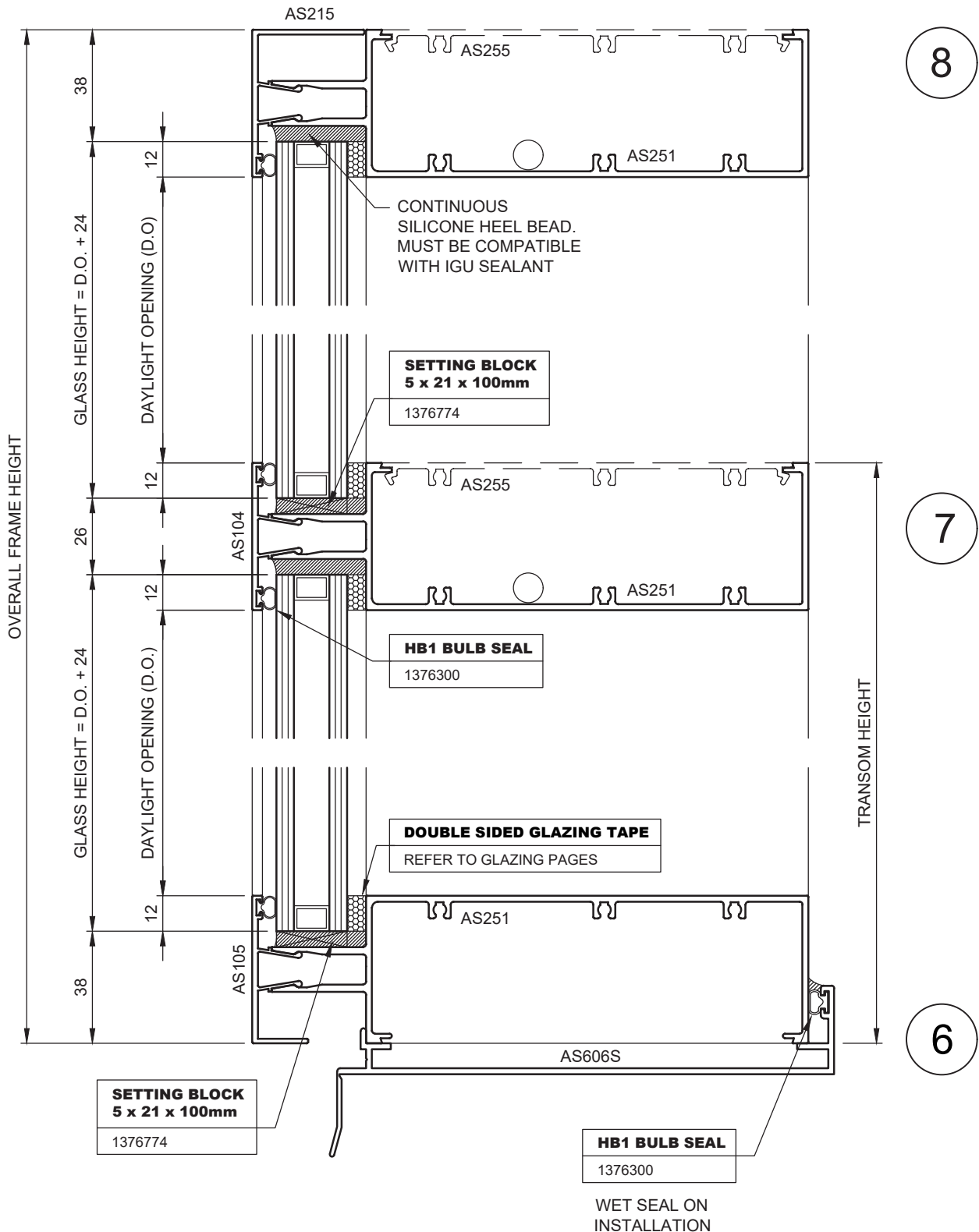
Silicone Glazed Structural Mullion Detail



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

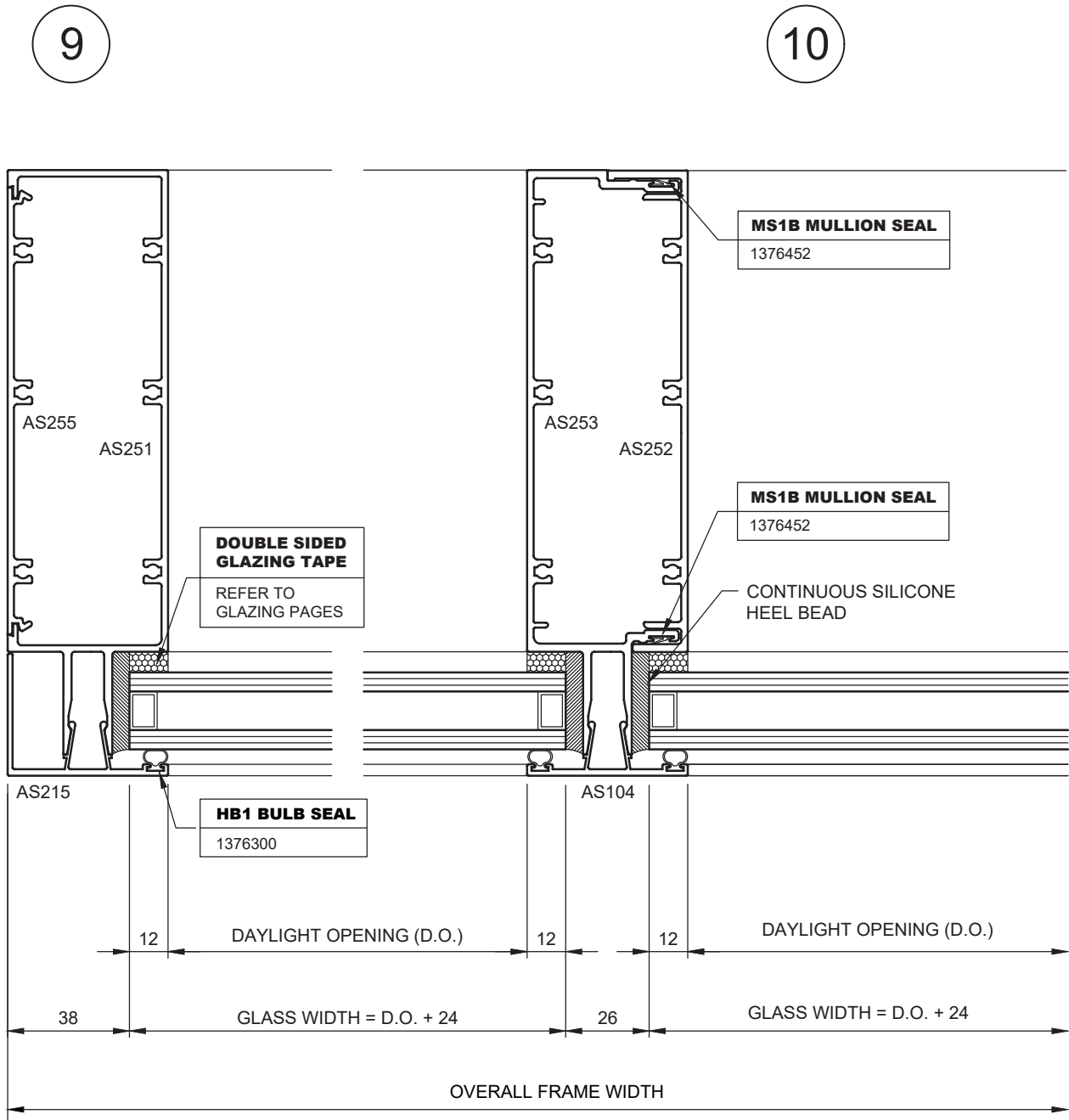
8. Typical Details

Double Glazed Sill, Transom and Head Details

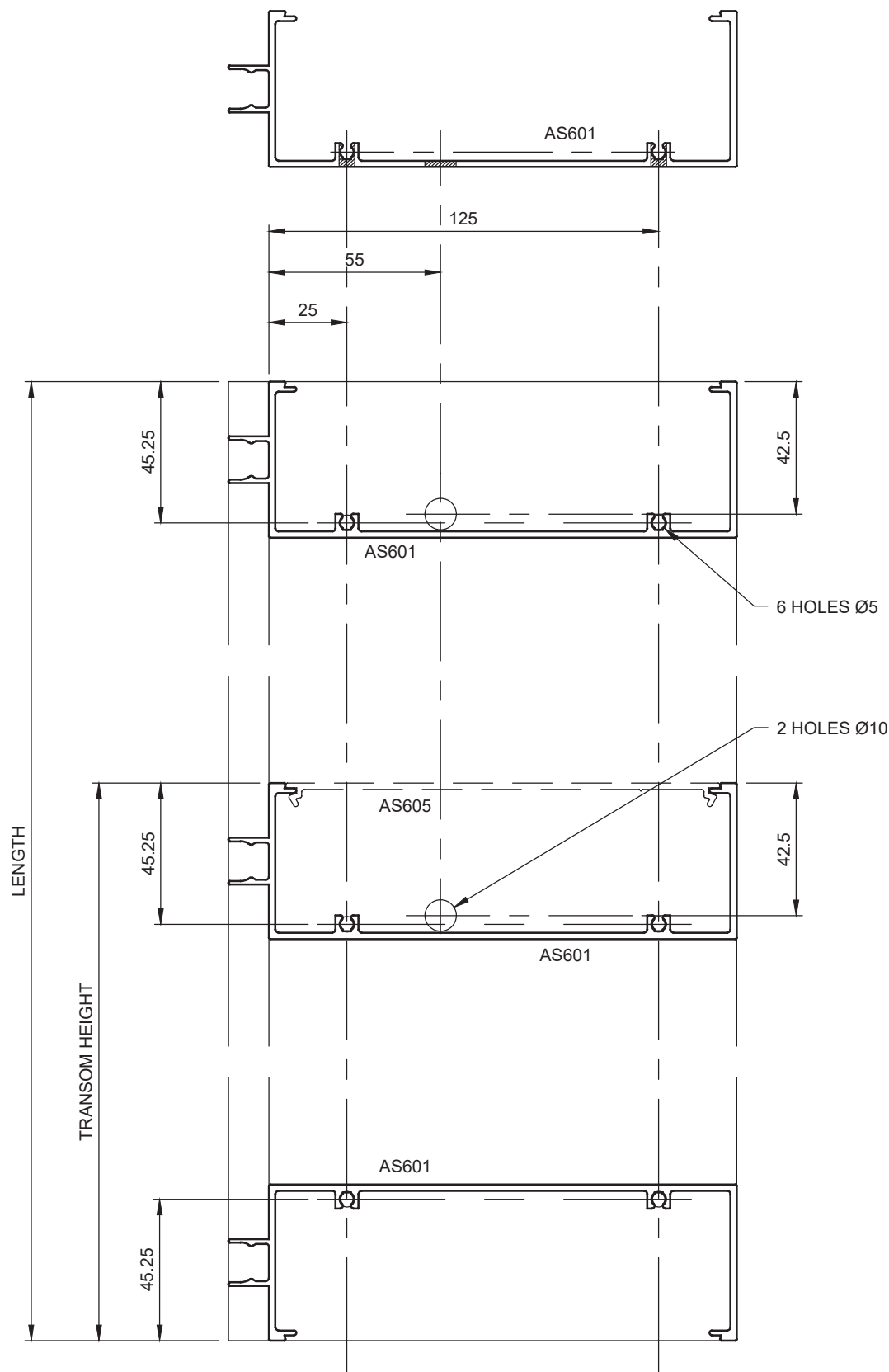


8. Typical Details

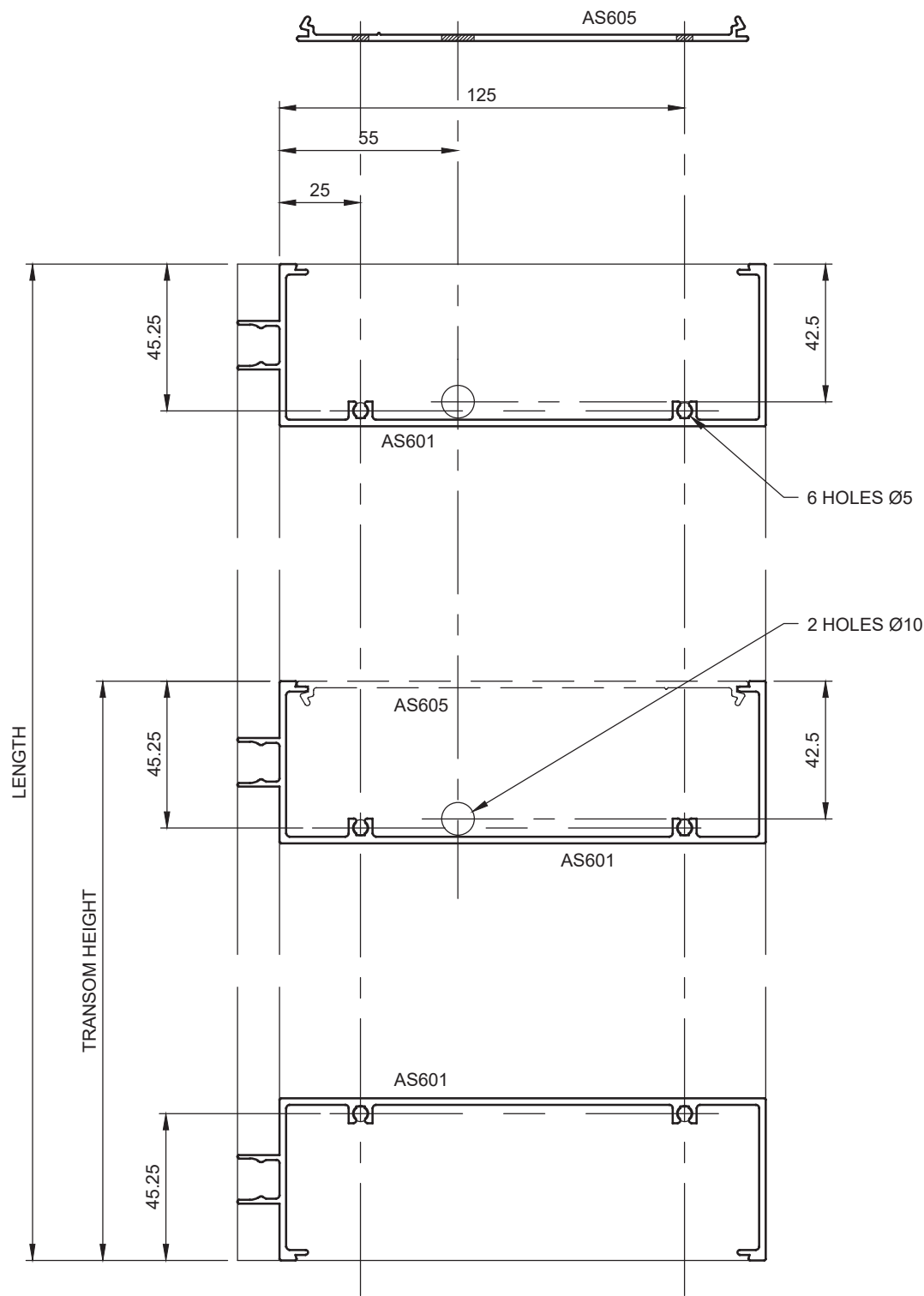
Double Glazed Jamb and Mullion Details



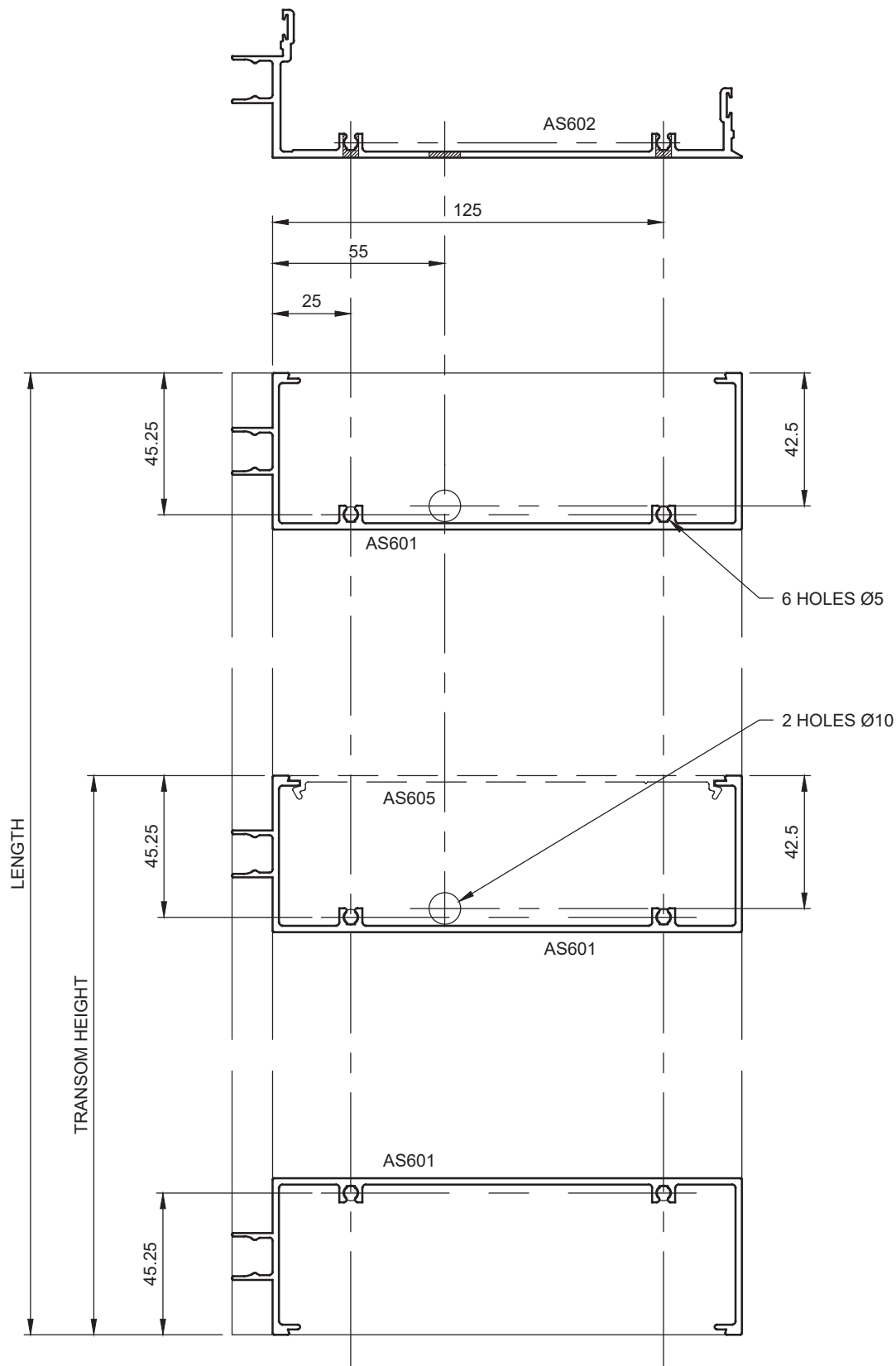
SG Frame



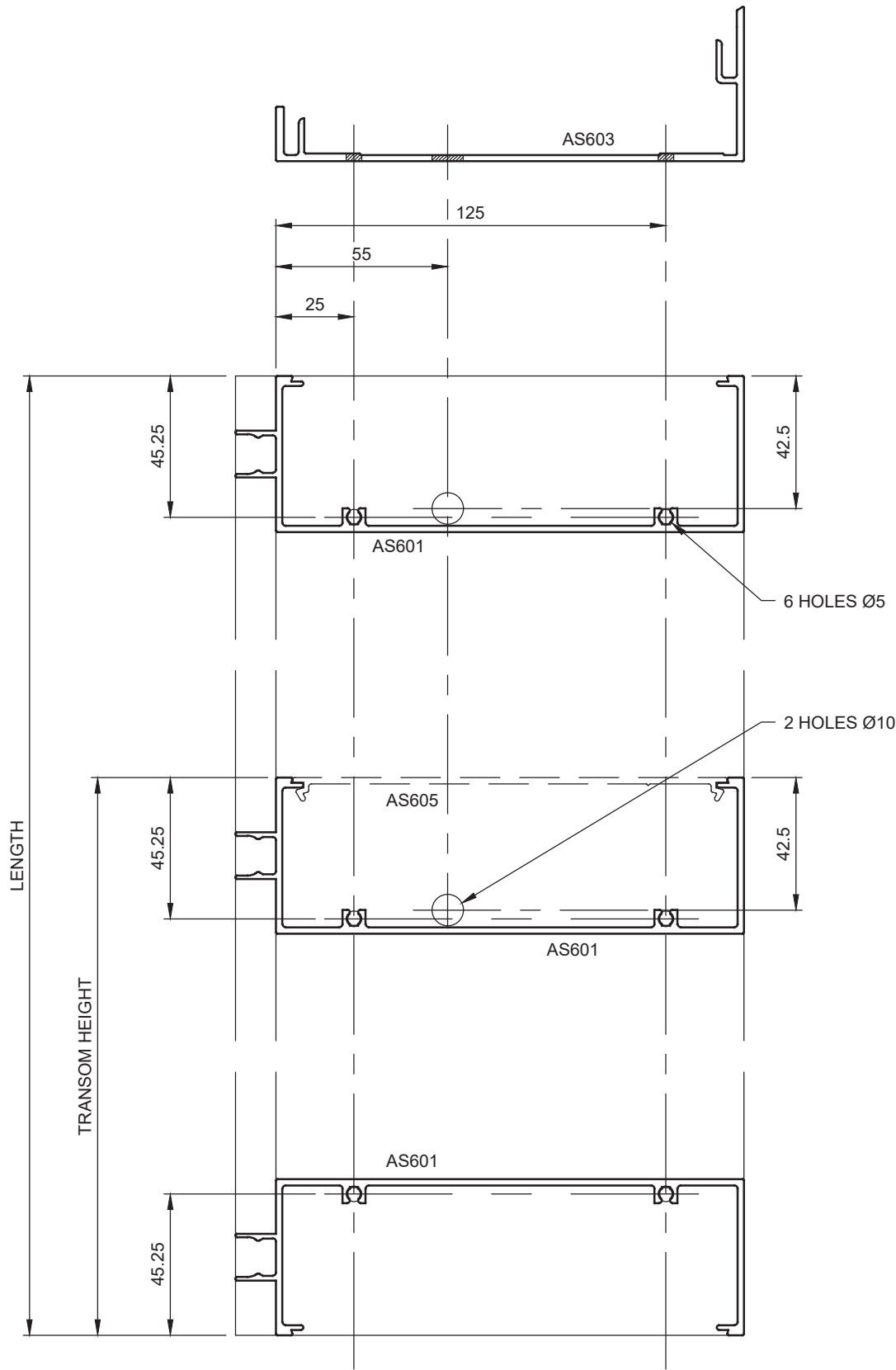
Flush Adaptor



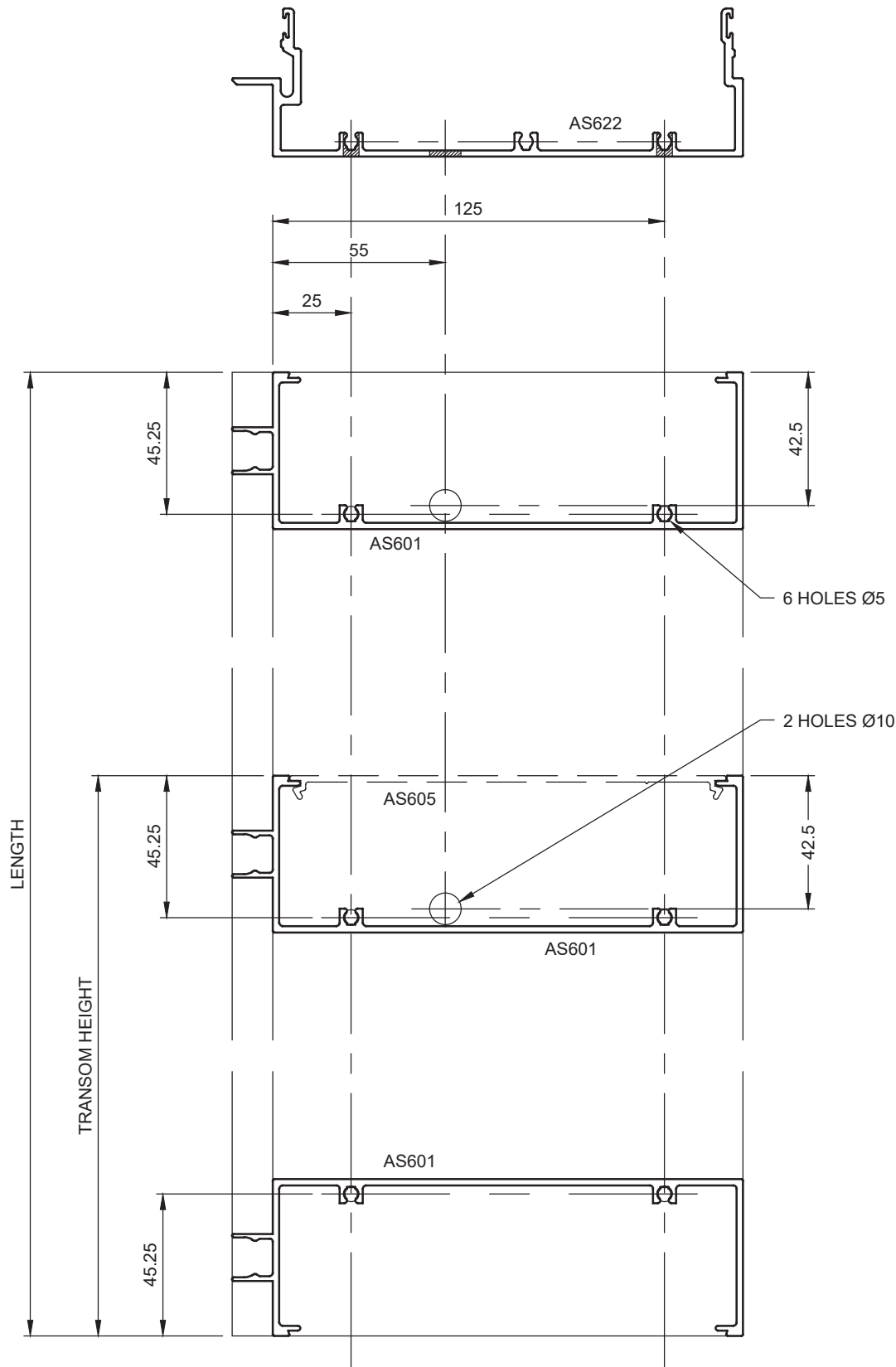
Split Mullion (Male)



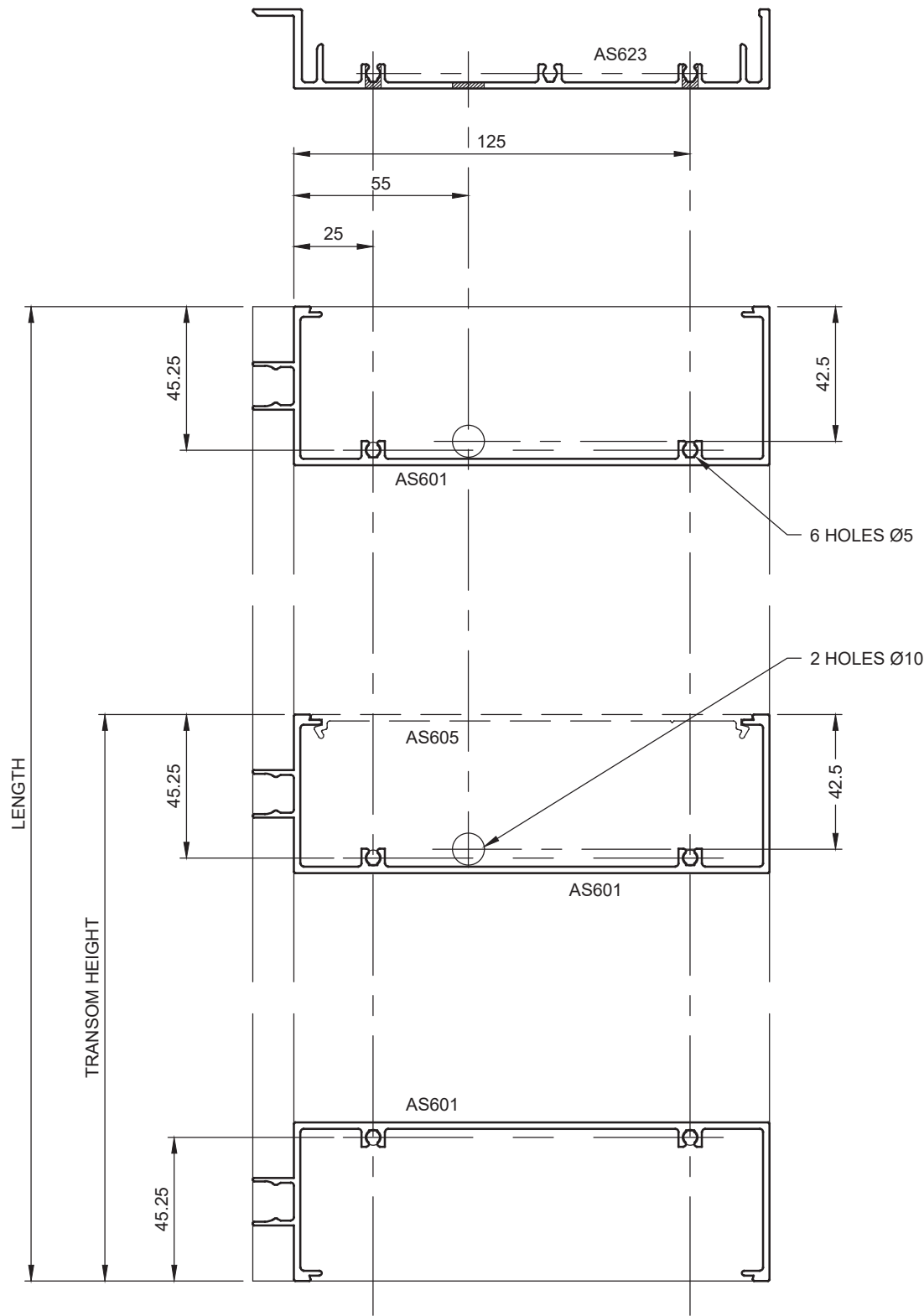
Split Mullion (Female)



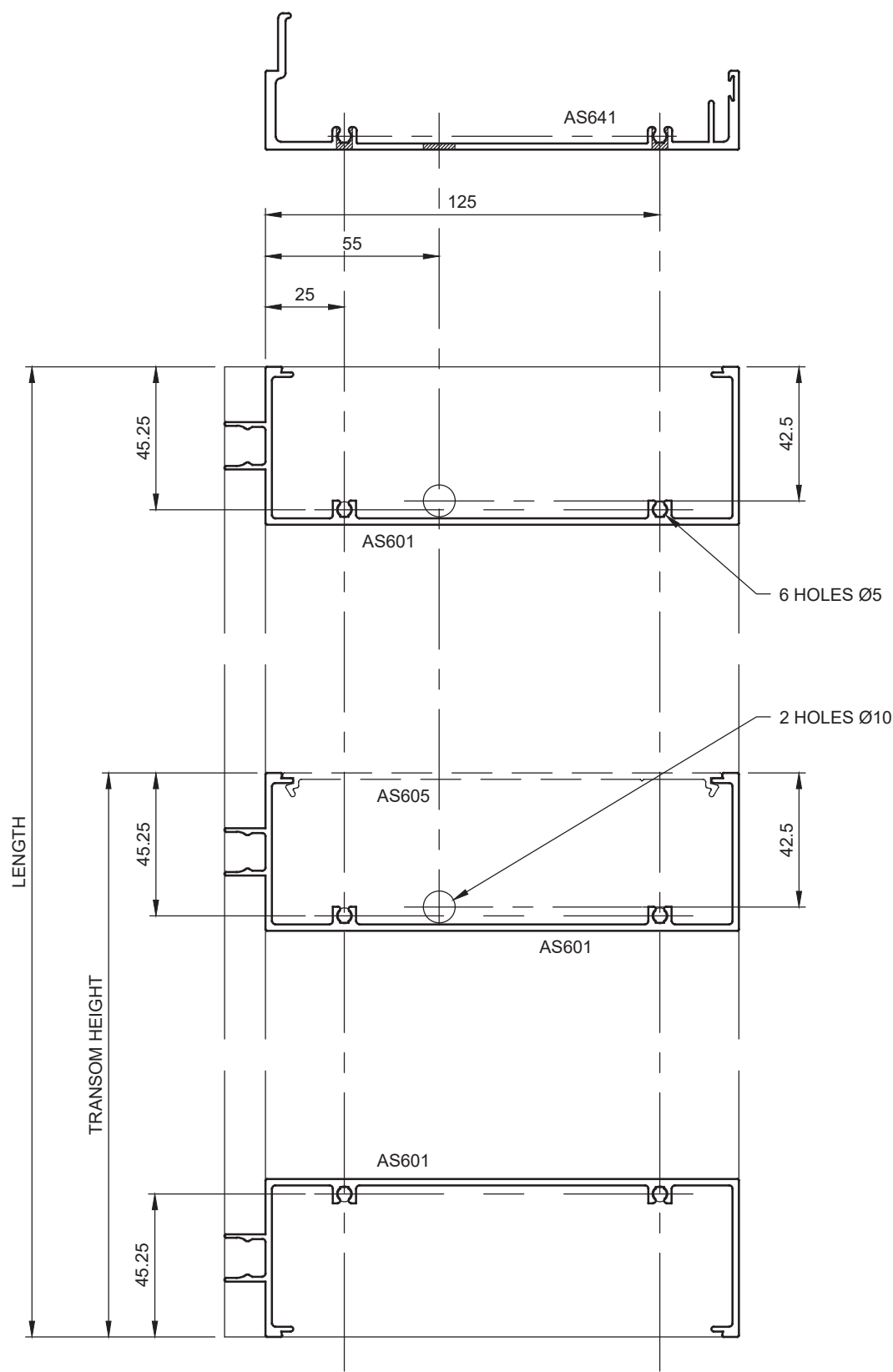
Structural Split Mullion (Male)



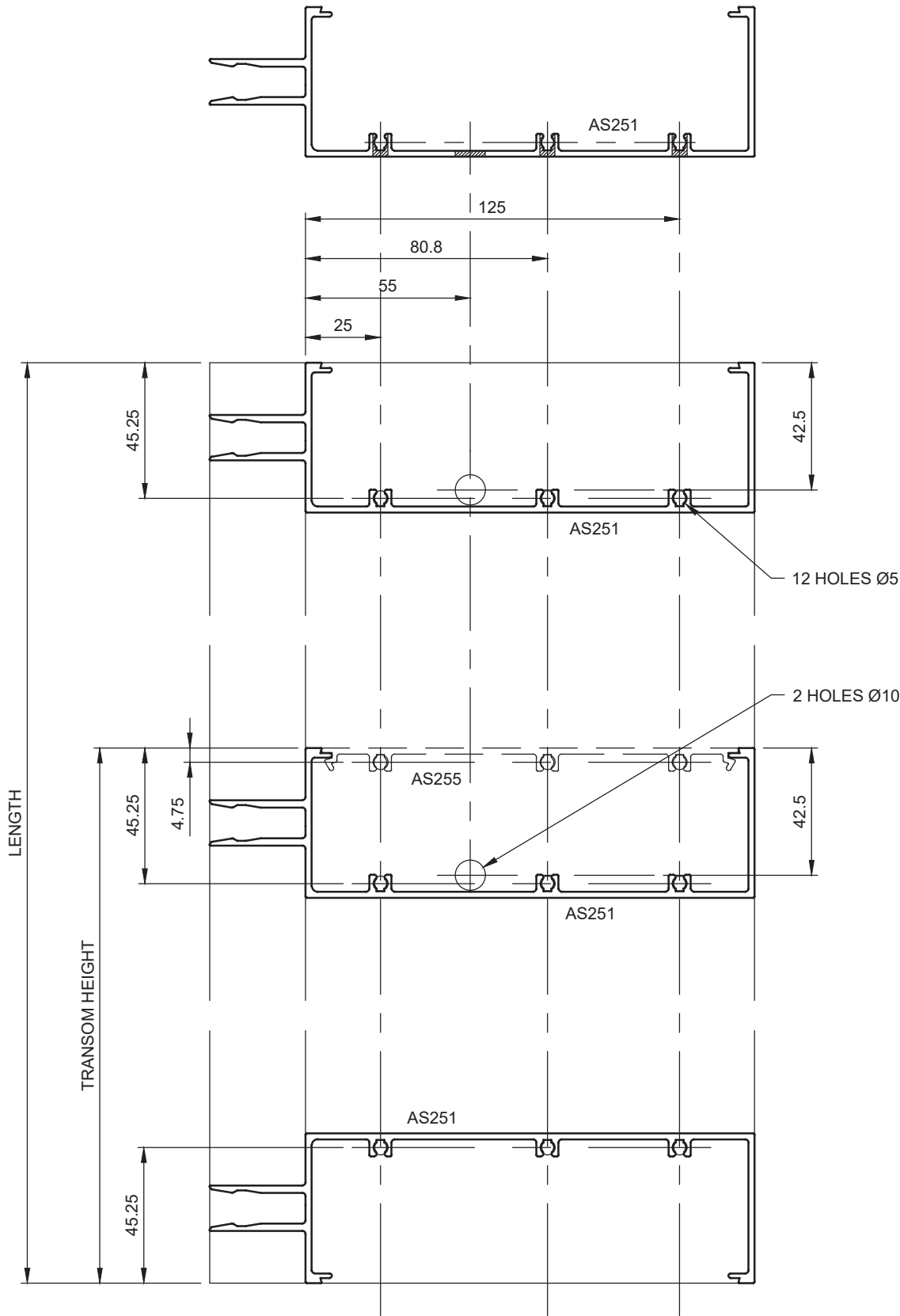
Structural Split Mullion (Female)



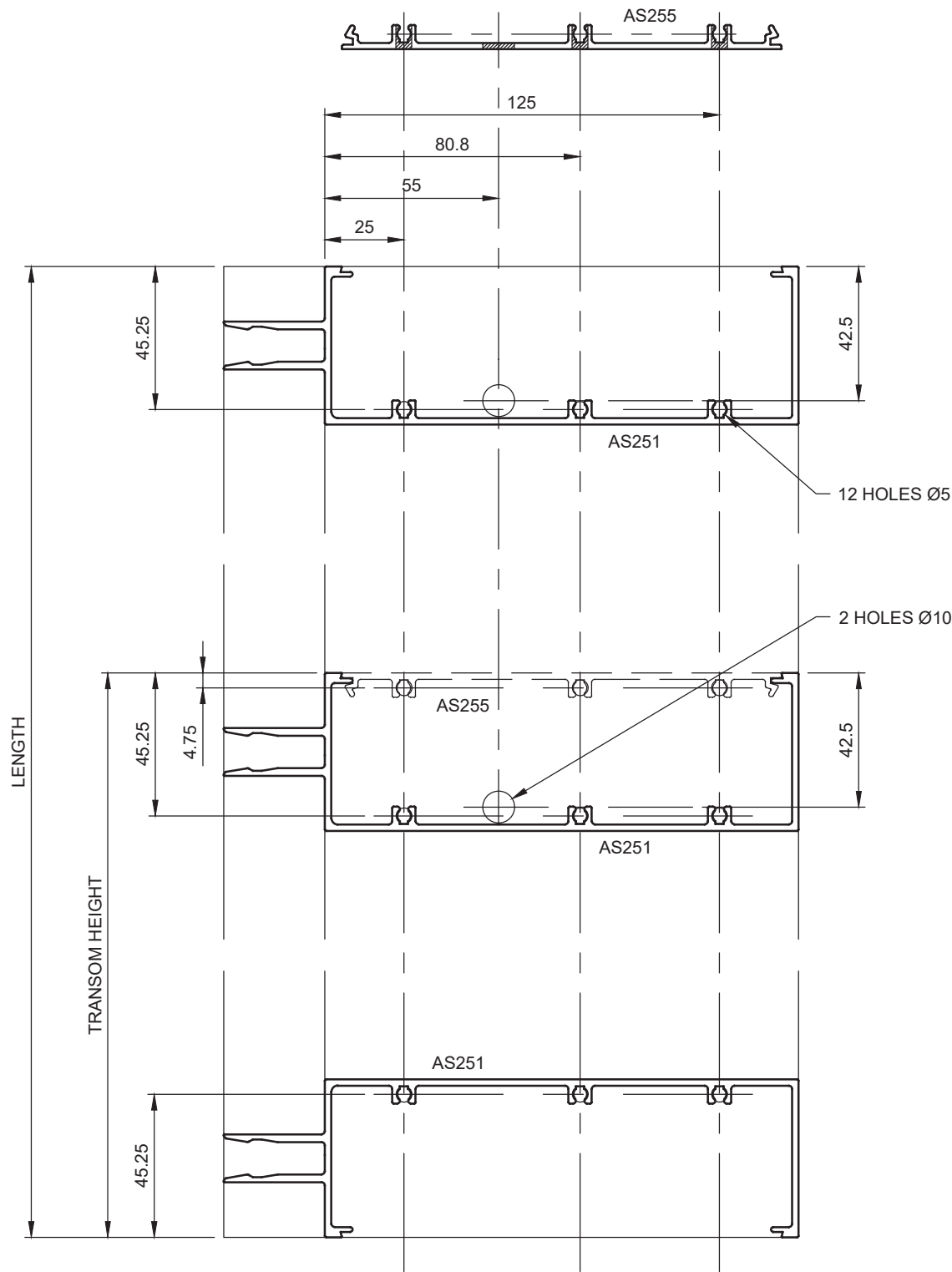
Self Mating Split Mullion



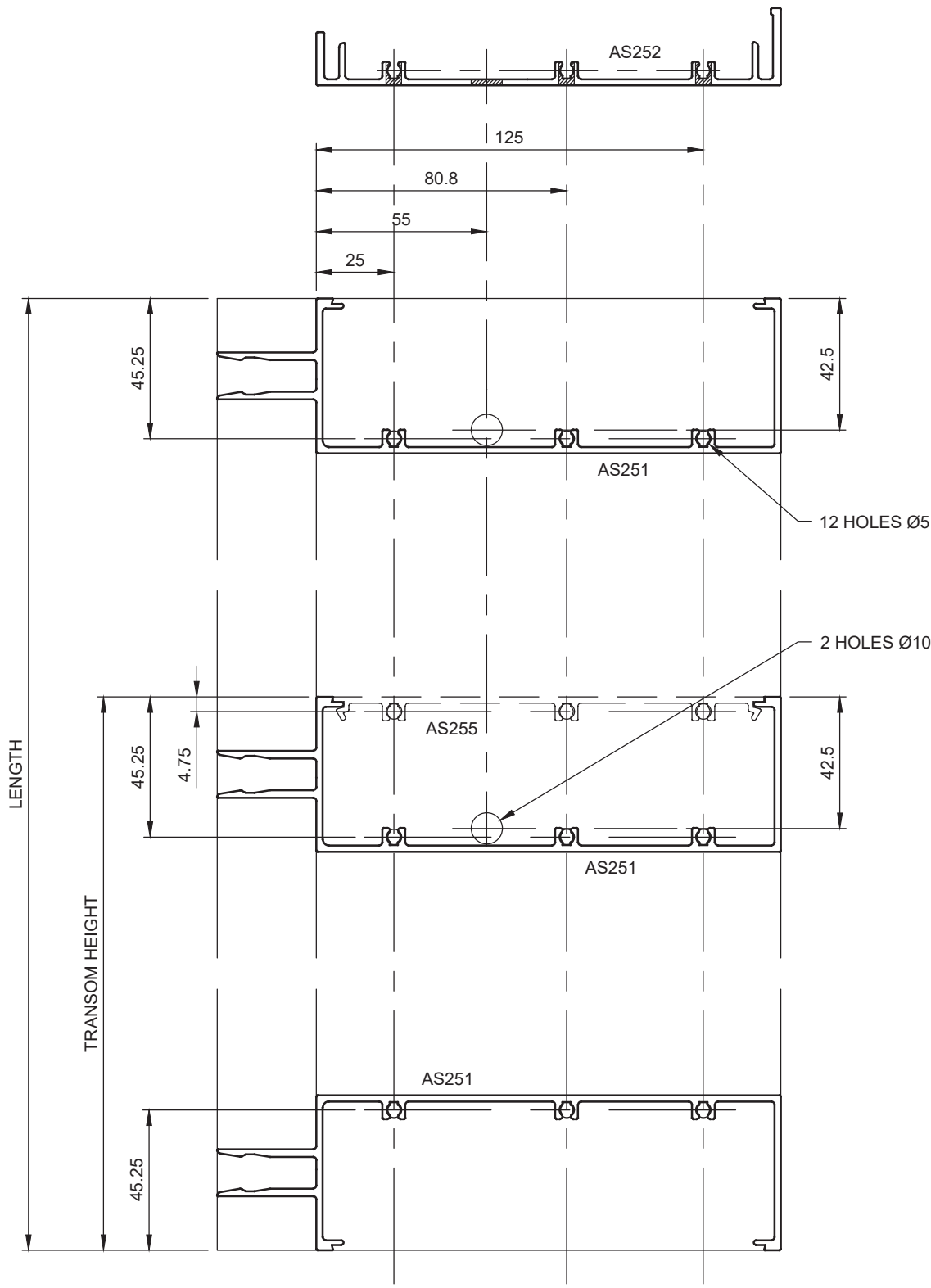
DG Frame



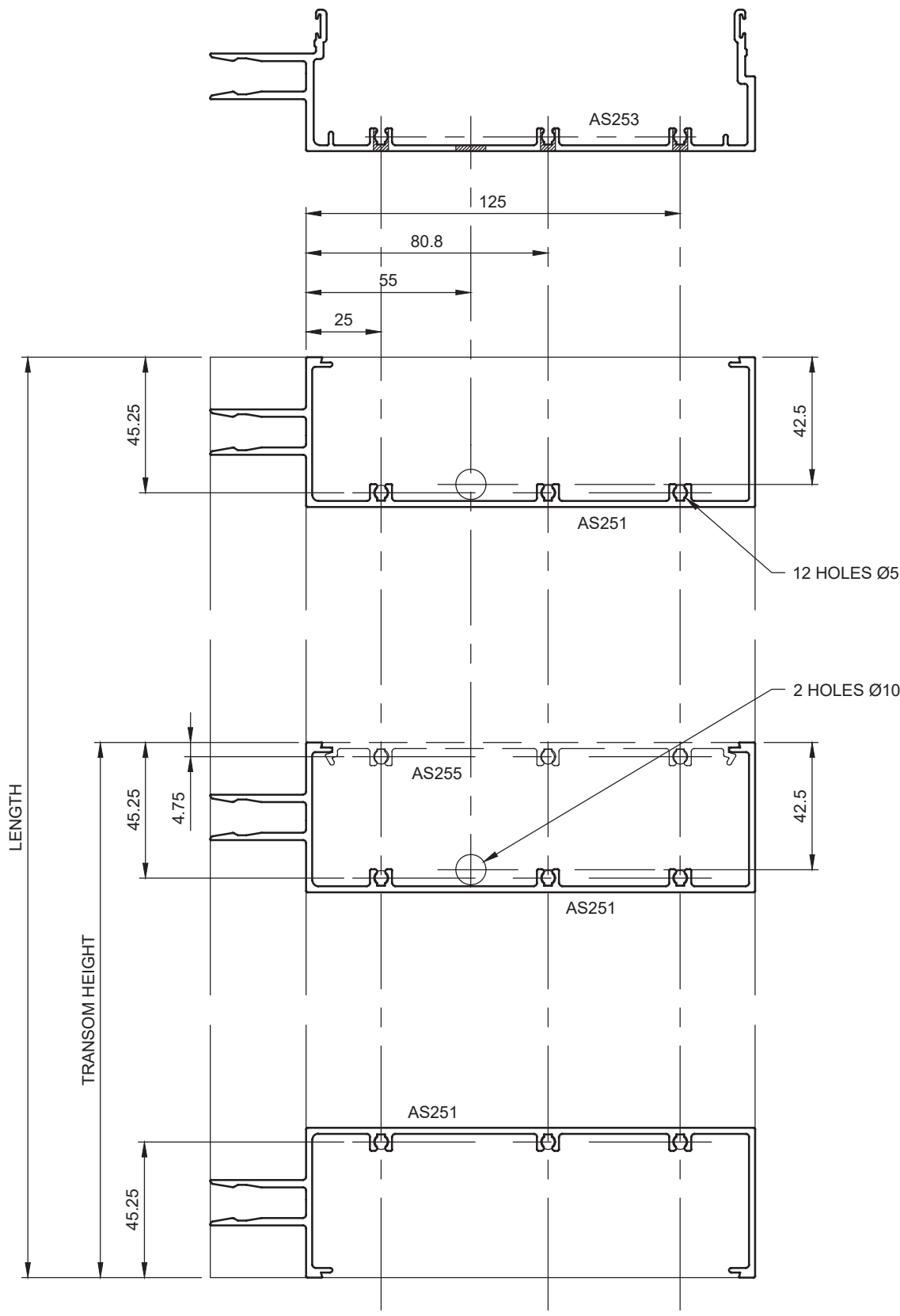
DG Flush Adaptor



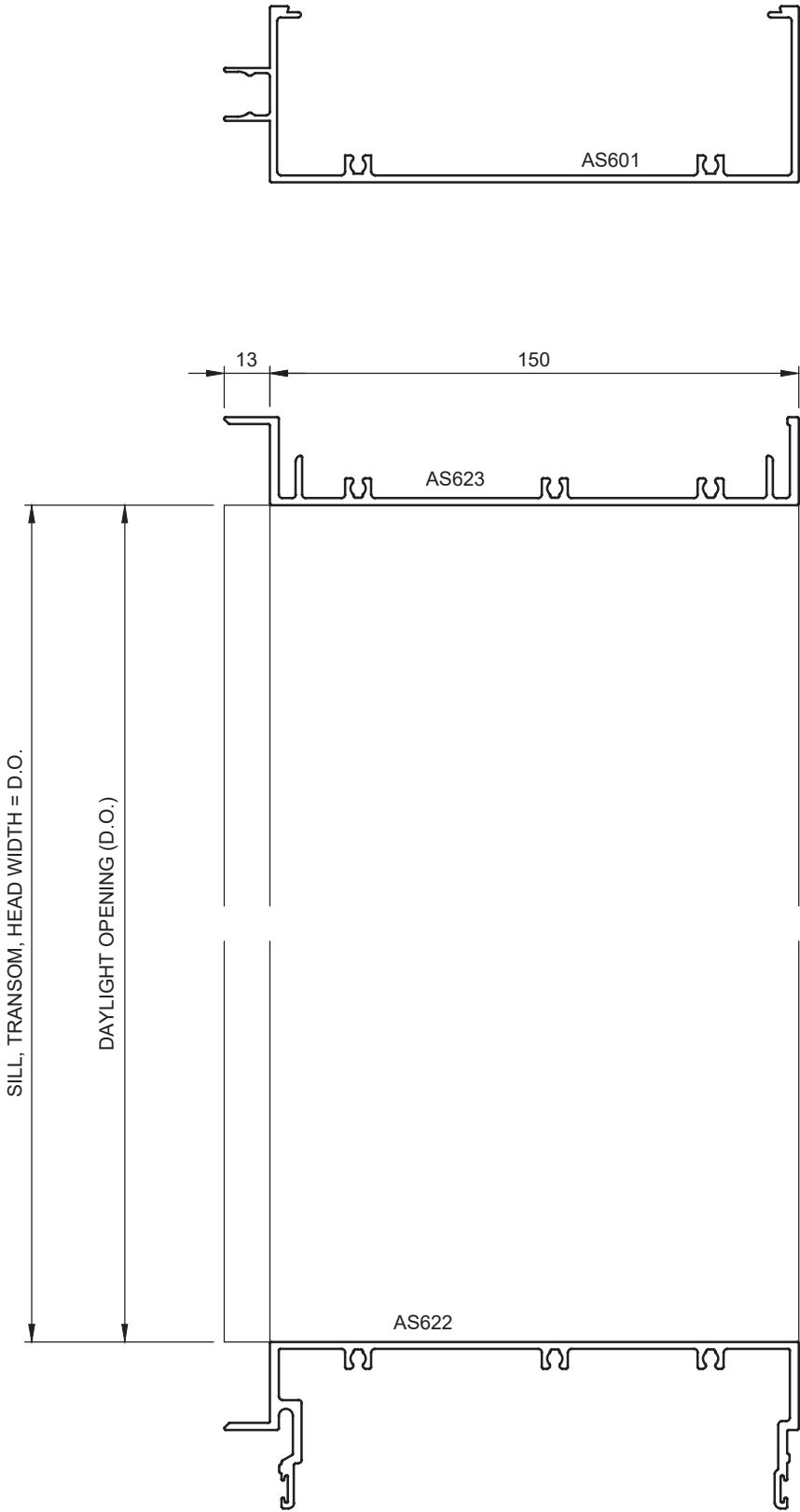
DG Split Mullion (Female)



DG Split Mullion (Male)



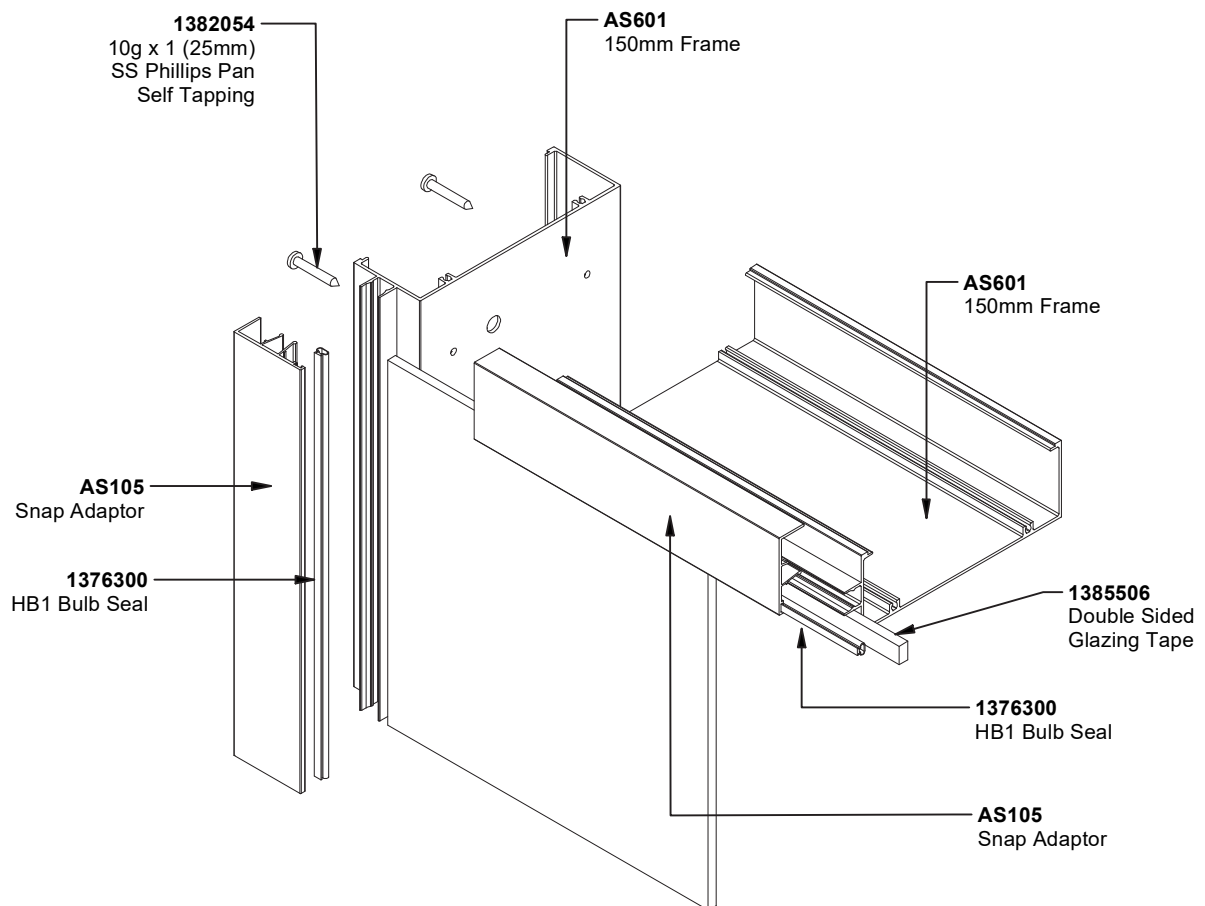
Transom





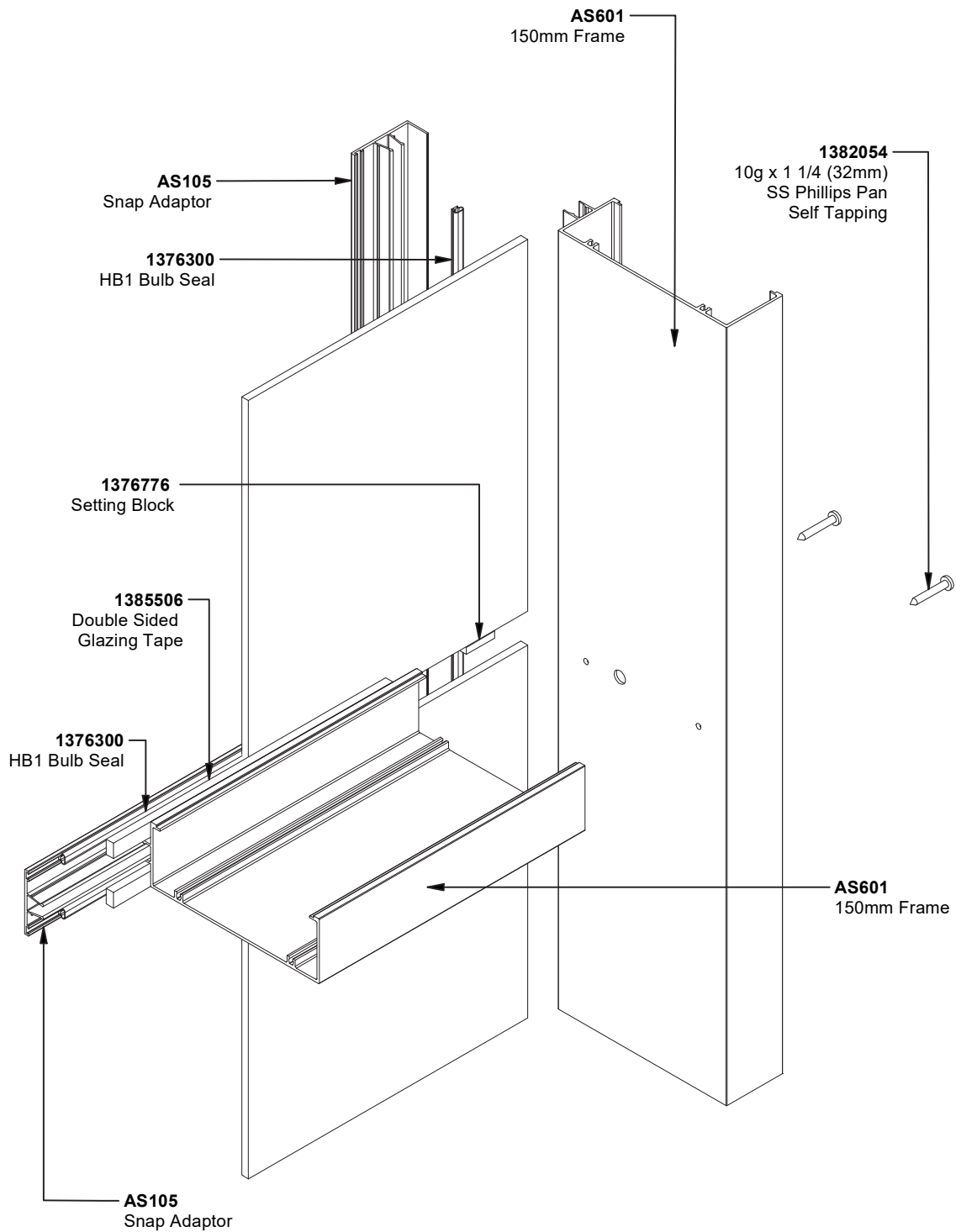
11. Assembly Details

Jamb and Head Assembly Details



11. Assembly Details

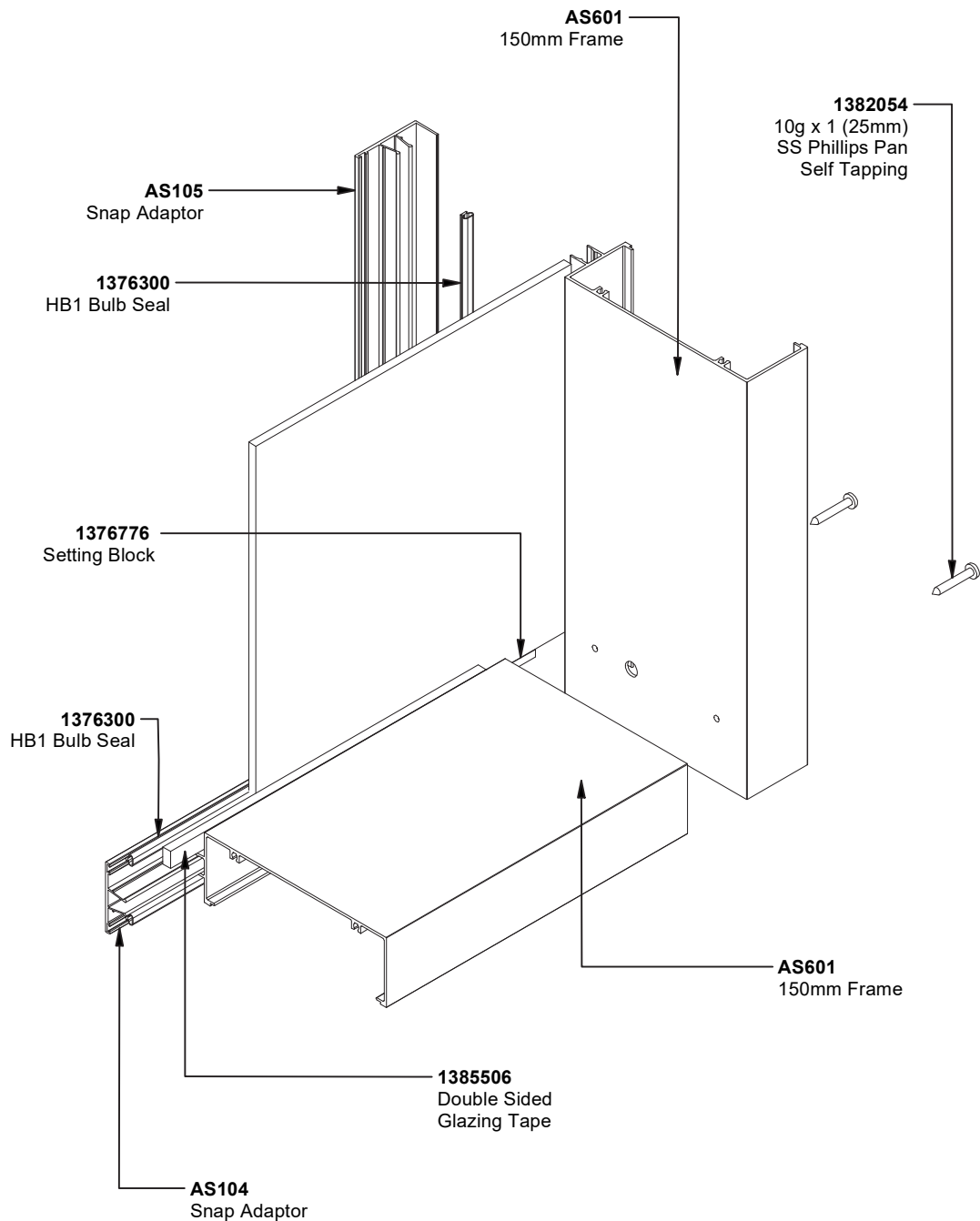
Jamb and Transom Assembly Details





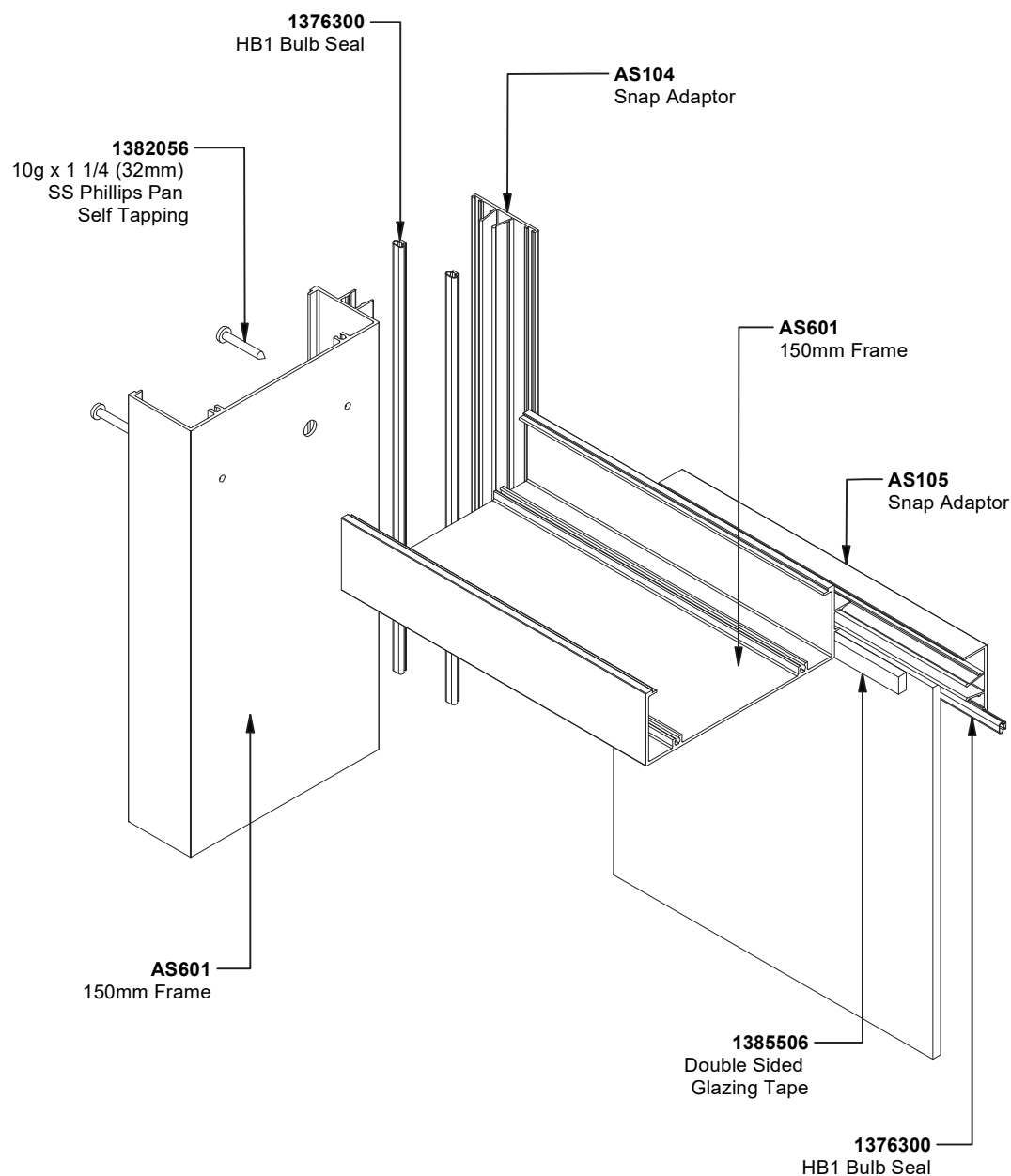
11. Assembly Details

Jamb and Sill Assembly Details



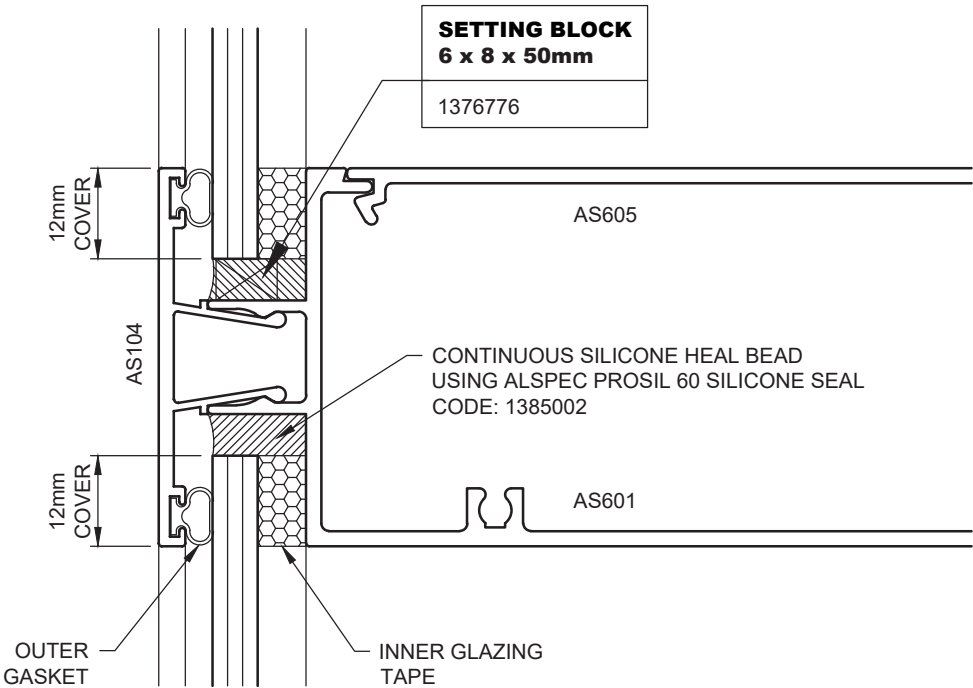
11. Assembly Details

Head and Mullion Assembly Details



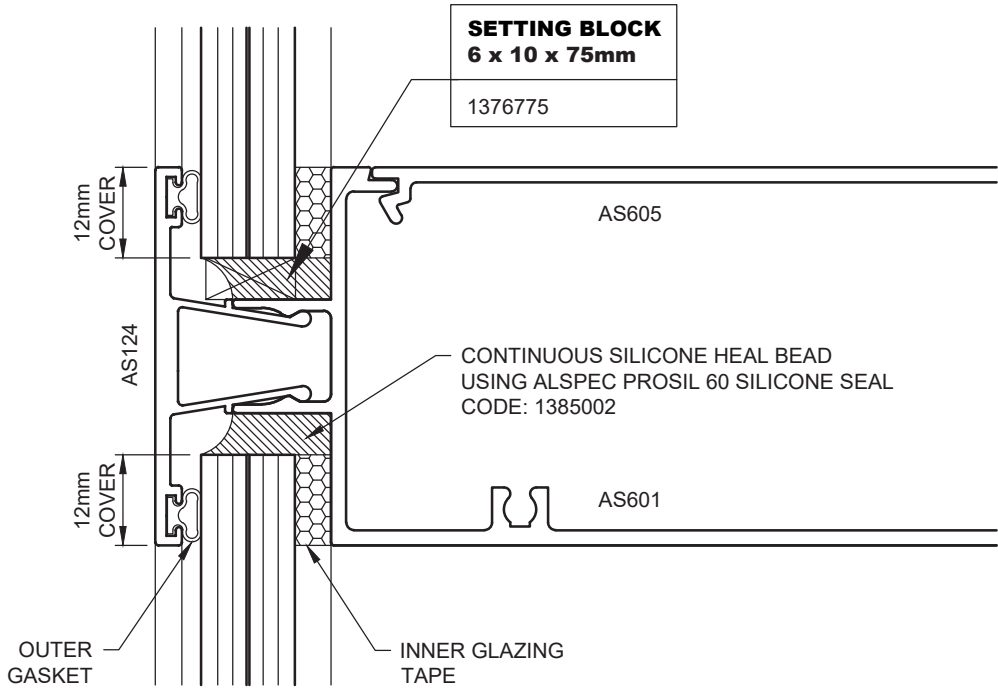
12. Glazing Details

Standard Glazing Details - with AS104 Snap Adaptor



	OUTER GASKET		INNER GLAZING TAPE	
GLASS THICKNESS	REF.	CODE	REF.	CODE
6/6.38mm	HB1	1376300	12 x 6.4mm DOUBLE SIDED	1385506
8/8.38mm	HB1	1376300	12 x 4.8mm DOUBLE SIDED	1385577
10/10.38mm	HB1	1376300	12 x 3.2mm DOUBLE SIDED	1385549

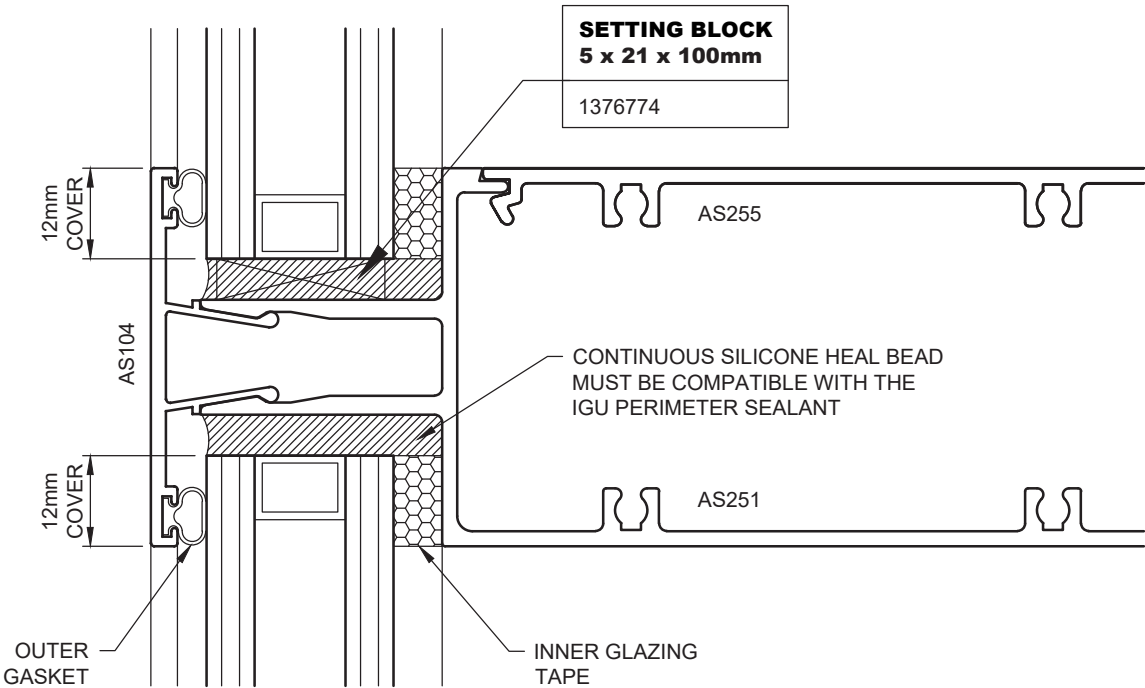
Standard Glazing Details - with AS124 Snap Adaptor



GLASS THICKNESS	OUTER GASKET		INNER GLAZING TAPE	
	REF.	CODE	REF.	CODE
12/12.38mm	HB1	1376300	12 x 4.8mm DOUBLE SIDED	1385577
13.52mm	HB1	1376300	12 x 3.2mm DOUBLE SIDED	1385549

12. Glazing Details

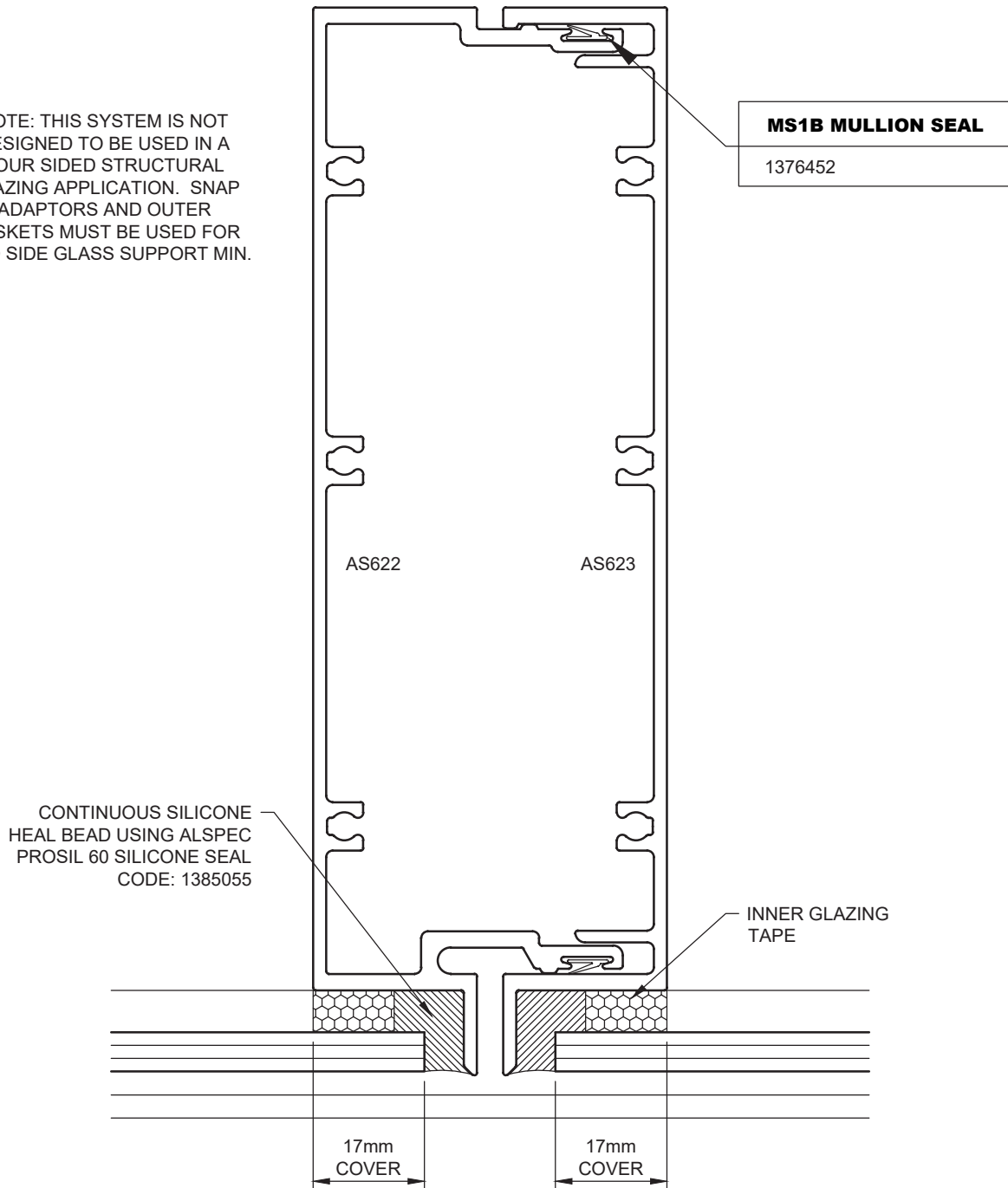
Standard Glazing Details - Double Glazed



GLASS THICKNESS	OUTER GASKET		INNER GLAZING TAPE	
	REF.	CODE	REF.	CODE
24mm	HB1	1376300	12 x 6.4mm DOUBLE SIDED	1385506
26mm	HB1	1376300	12 x 4.8mm DOUBLE SIDED	1385577
28mm	HB1	1376300	12 x 3.2mm DOUBLE SIDED	1385549

Silicone Glazing Details

NOTE: THIS SYSTEM IS NOT DESIGNED TO BE USED IN A FOUR SIDED STRUCTURAL GLAZING APPLICATION. SNAP ADAPTORS AND OUTER GASKETS MUST BE USED FOR TWO SIDE GLASS SUPPORT MIN.



INNER GLAZING TAPE		
GLASS THICKNESS	REF.	CODE
6/6.38mm	12 x 6.4mm DOUBLE SIDED	1385506
8/8.38mm	12 x 4.8mm DOUBLE SIDED	1385577
10/10.38mm	12 x 3.2mm DOUBLE SIDED	1385549

FRAMING

Your new **Hastings 150mm Front Glazed Framing** 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 **Hastings 150mm Front Glazed Framing** will retain it's good looks and resist the elements for years to come.

The **Hastings 150mm Front Glazed Framing** 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 **Hastings 150mm Front Glazed Framing** 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 **Hastings 150mm Front Glazed Framing** 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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Phone: 02 9834 9500 | Fax: 02 9834 9532 | info@alspec.com.au

ALSPEC SHOWROOMS

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

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