



Hunter Evo

Double Flush Glazed Framing



Hunter Evo 150mm Double Flush Glazed Framing

Technical Manual

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alspec[®]
EVERYTHING ALUMINIUM
& HARDWARE

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1. Technical Manual Release Notes

This page is intended to record all changes to the **HUNTER EVO 150mm DOUBLE FLUSH GLAZED 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	04/2013	Technical manual initial release	
B	10/2014	Revised/ amended load tables, accessories, details & glazing page	
C	08/2015	Updated loading tables, extrusions, manufacturing and contact page	
D	09/2019	Technical manual update & re-release	348
E	04/2020	Lip Seal drawing amended, MS6 mullion added pg 8.9 & 8.10, Louvre extrusion note amended pg 11.2	367
F	06/2020	HE472 Properties Amended	383
G	08/2020	HE496 / HE497 / HE544 / HE545 Structural Glazed Mullions added to Wind Loads, Extrusions, Details, Manufacturing & Glazing pages HE532 Details and Manufacturing pages added	399
H	10/2020	Silicone detail updated for Internal Glaze on pg 8.3 and added pg 8.14 Typical Door Detail	413
I	12/2020	Added HE524 & HE525 mullion to Loading Tables on pg 3.13	427
J	04/2021	Loading Tables updated on page 3.14 and Test Summary added page 4.2 - 4.4	455
K	05/2021	Test Summary added page 4.5	459
L	07/2021	Test Summary added page 4.6	478
M	09/2021	Loading Table updated on page 3.14 and Test Summary added page 4.7	488
N	10/2021	Test Summary added on page 4.8	493
O	11/2021	Removed HE583 from Extrusions page 5.21 Added HE473 to Extrusions page 5.22	498 499
P	02/2022	Test Summary added page 4.9	
Q	04/2022	Updated Horizontal Blade Assembly to show jamb on page 8.13	514
R	02/2023	Added Loading Table for HE578/HE79/HE580 on page 3.9	546
S	08/2023	Added OT.AC23-19 - 21 to Test Summary page 4.10	561

ALUMINIUM

Aluminium frames should be manufactured using Alspec's **HUNTER EVO 150mm DOUBLE FLUSH GLAZED FRAMING** system.

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

GLAZING

- Minimum glass thickness is 6mm with standard DG Framing
- Maximum glass thickness is 30mm with standard DG Framing, up to 32mm with Structural Glazed Framing
- Minimum glass thickness is 16mm with Wide Pocket Framing
- Maximum glass thickness is 40mm with Wide Pocket Framing
- Glazing wedges shall be Alspec's wedges for **HUNTER EVO 150mm DOUBLE FLUSH GLAZED FRAMING** to suit standard & captive glazing options, refer glazing pages 12.1 to 12.10.

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 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 AS4666 (Insulated Glass Units).

Fabricators of the **HUNTER EVO 150mm DOUBLE FLUSH GLAZED FRAMING** system should seek confirmation of design wind pressure and deflection criteria from the building designer.



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	2100	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 2

↑

1000

STEP 3

←

1450

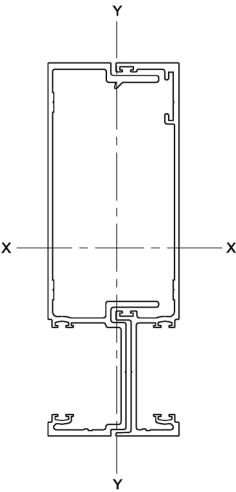
3. Loading Tables

HE462 + HE463 Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

HE462 + HE463 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)						
	4500	S	1230	820	620	510		
		U	2960	1990	1500	1220		
	4200	S	1510	1020	770	630	530	
		U	3400	2290	1730	1410	1200	
	3900	S	1890	1270	970	790	680	600
		U	3950	2660	2020	1650	1400	1120
	3600	S	2410	1630	1240	1020	880	780
		U	4640	3130	2390	1950	1670	1480
	3300	S	3000	2120	1630	1340	1160	1040
		U	5540	3740	2860	2350	2020	1810
	3000	S	3000	2850	2200	1820	1590	1440
		U	6720	4550	3500	2890	2510	2260
	2700	S	3000	3000	3000	2560	2270	2090
		U	8320	5660	4380	3650	3200	2930
	2400	S	3000	3000	3000	3000	3000	3000
		U	9000	7240	5650	4760	4250	3970
	2100	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	7590	6520	5970	5800
	1800	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000
I_{xx} = 3151 x 10³ mm⁴	Mullion Spacing		600	900	1200	1500	1800	2100
							2400	

Tables are based on theoretical section properties

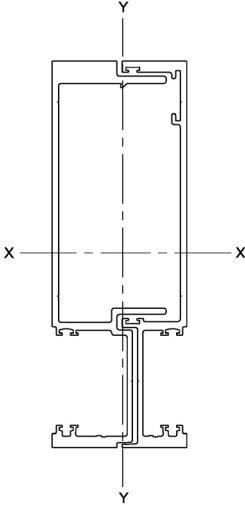
3. Loading Tables

HE482 + HE483 H.D. Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

HE482 + HE483 H.D. MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)							
	4500	S	1700	1140	870	700	600	520	
		U	3940	2640	2000	1620	1380	1200	
	4200	S	2100	1410	1070	870	740	650	590
		U	4530	3040	2310	1880	1590	1400	1260
	3900	S	2620	1770	1350	1100	940	830	760
		U	5260	3540	2690	2190	1870	1650	1490
	3600	S	3000	2260	1730	1420	1220	1080	990
		U	6180	4170	3180	2600	2220	1970	1790
	3300	S	3000	2950	2260	1870	1610	1450	1340
		U	7370	4980	3810	3130	2690	2400	2210
	3000	S	3000	3000	3000	2530	2210	2000	1880
		U	8940	6060	4660	3850	3340	3010	2800
	2700	S	3000	3000	3000	3000	3000	2900	2760
		U	9000	7540	5830	4850	4260	3890	3690
	2400	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	7510	6340	5650	5280	5160
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	8670	7940	7710	7970
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
$I_{xx} = 4371 \times 10^3 \text{ mm}^4$	Mullion Spacing		600	900	1200	1500	1800	2100	2400

Tables are based on theoretical section properties

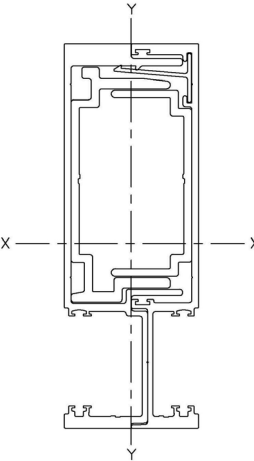
3. Loading Tables

HE482 + HE483 & HE486 + HE487 HD Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

HE482 + HE483 & HE486 + HE487 HD MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)						
	5100	S	1420	950	720	580		
		U	3720	2490	1880	1520		
	4800	S	1700	1140	860	700	590	520
		U	4200	2820	2130	1720	1460	1270
	4500	S	2070	1390	1050	860	730	640
		U	4780	3210	2430	1970	1670	1460
	4200	S	2540	1710	1300	1060	900	800
		U	5500	3690	2800	2280	1940	1700
	3900	S	3000	2150	1640	1340	1140	1010
		U	6380	4300	3270	2660	2270	2000
	3600	S	3000	2740	2100	1720	1480	1320
		U	7500	5060	3860	3150	2700	2390
	3300	S	3000	3000	2750	2260	1960	1760
		U	8950	6050	4620	3800	3270	2920
	3000	S	3000	3000	3000	3000	2680	2430
		U	9000	7360	5650	4670	4050	3650
	2700	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	7070	5890	5170	4730
	2400	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	7690	6860	6420
$I_{xx} = 5304 \times 10^3 \text{ mm}^4$	Mullion Spacing		600	900	1200	1500	1800	2100
								2400

Tables are based on theoretical section properties

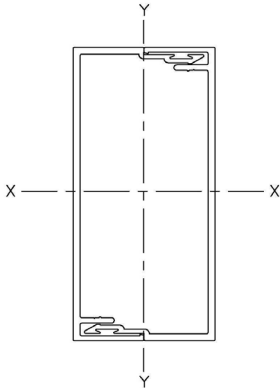
3. Loading Tables

AS466 + AS466 Self Mating Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

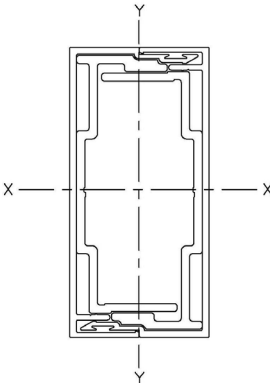
AS466 + AS466 SELF MATING MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)							
		S	U	S	U	S	U	S	U
	4200	S	640						
		U	1930						
	3900	S	800	540					
		U	2250	1510					
	3600	S	1020	690	520				
		U	2640	1780	1360				
	3300	S	1320	900	690	570			
		U	3150	2130	1630	1340			
	3000	S	1770	1200	930	770	670	610	570
		U	3820	2590	1990	1640	1430	1280	1190
	2700	S	2440	1660	1290	1080	960	880	840
		U	4730	3220	2490	2070	1820	1660	1580
	2400	S	3000	2400	1880	1600	1440	1350	1330
		U	6020	4120	3210	2710	2420	2260	2200
	2100	S	3000	3000	2910	2520	2320	2270	2320
		U	7920	5470	4320	3710	3400	3300	3250
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	7620	6150	5450	5240	5200	5150
Ixx = 1333 x 10 ³ mm ⁴	Mullion Spacing	600	900	1200	1500	1800	2100	2400	

Tables are based on theoretical section properties

3. Loading Tables

AS466 + AS466 & AS488 + AS488 HD Self Mating Mullion Combination

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

AS466 + AS466 & AS488 + AS488 HD SELF MATING MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)							
	4500	S	1000	670					
		U	3260	2190					
	4200	S	1240	830	630				
		U	3750	2520	1910				
	3900	S	1550	1040	790	650	550		
		U	4360	2930	2230	1820	1550		
	3600	S	1970	1330	1020	830	720	640	580
		U	5120	3450	2630	2150	1840	1630	1490
	3300	S	2570	1740	1330	1100	950	850	790
		U	6100	4130	3160	2590	2230	1990	1830
	3000	S	3000	2330	1800	1490	1300	1180	1110
		U	7400	5020	3860	3190	2760	2490	2320
	2700	S	3000	3000	2510	2100	1860	1710	1630
		U	9000	6240	4830	4020	3530	3230	3060
	2400	S	3000	3000	3000	3000	2790	2620	2570
		U	9000	7990	6230	5250	4680	4380	4280
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	8370	7190	6580	6390	6250
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
$I_{xx} = 2581 \times 10^3 \text{ mm}^4$	Mullion Spacing		600	900	1200	1500	1800	2100	2400

Tables are based on theoretical section properties

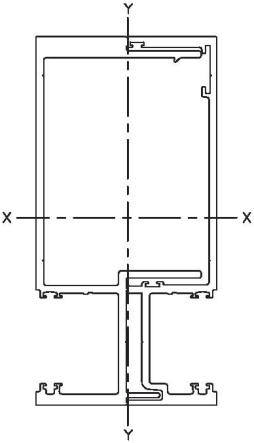
3. Loading Tables

HE488 + HE489 Wide Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

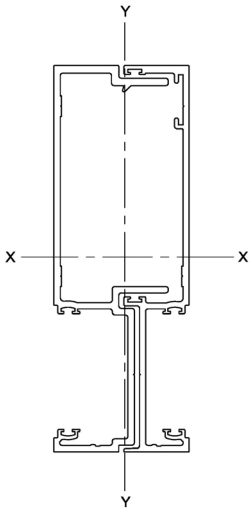
HE488 + HE489 WIDE MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)						
	5100	S	1600	1070	810	660	560	
		U	4250	2850	2150	1740	1470	
	4800	S	1920	1290	980	790	670	590 530
		U	4800	3220	2430	1970	1670	1450 1300
	4500	S	2340	1570	1190	970	820	720 650
		U	5460	3670	2780	2250	1910	1670 1500
	4200	S	2880	1940	1470	1200	1020	900 810
		U	6280	4220	3200	2600	2210	1940 1750
	3900	S	3000	2430	1850	1510	1300	1150 1040
		U	7290	4910	3730	3040	2590	2280 2070
	3600	S	3000	3000	2370	1950	1670	1490 1360
		U	9000	5780	4400	3600	3080	2730 2490
	3300	S	3000	3000	3000	2560	2220	1990 1840
		U	9000	6900	5280	4340	3730	3330 3060
	3000	S	3000	3000	3000	3000	3000	2750 2580
		U	9000	8400	6450	5330	4630	4170 3880
	2700	S	3000	3000	3000	3000	3000	3000 3000
		U	9000	9000	8080	6730	5900	5400 5120
	2400	S	3000	3000	3000	3000	3000	3000 3000
		U	9000	9000	9000	9000	7830	7320 7160
Ixx = 6003 x 10 ³ mm ⁴	Mullion Spacing		600	900	1200	1500	1800	2100 2400

Tables are based on theoretical section properties

3. Loading Tables

HE562 + HE563 Mullion Combination (Wide Pocket)

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

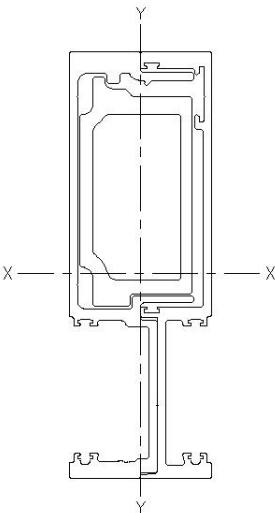
HE562 + HE563 MULLION COMBINATION (WIDE POCKET)	Panel Height	Maximum Design Pressure (Pa)						
	4500	S	1330	890	680	550		
		U	3270	2190	1660	1350		
	4200	S	1640	1100	840	680	580	510
		U	3750	2520	1910	1560	1320	1160
	3900	S	2050	1380	1050	860	740	650
		U	4360	2930	2230	1820	1550	1360
	3600	S	2610	1760	1350	1110	950	850
		U	5130	3460	2630	2150	1840	1630
	3300	S	3000	2300	1770	1460	1260	1130
		U	6110	4130	3160	2590	2230	1990
	3000	S	3000	3000	2380	1980	1730	1570
		U	7410	5030	3860	3190	2770	2490
	2700	S	3000	3000	3000	2780	2460	2260
		U	9000	6250	4830	4020	3530	3230
	2400	S	3000	3000	3000	3000	3000	3000
		U	9000	7990	6230	5250	4690	4380
	2100	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	8380	7190	6590	6400
	1800	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000
lxx = 3418 x 10 ³ mm ⁴	Mullion Spacing		600	900	1200	1500	1800	2100
							2400	

Tables are based on theoretical section properties

3. Loading Tables

HE578 + HE579 + HE580 Mullion Combination (Wide Pocket)

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

HE578 + HE579 + HE580 MULLION COMBINATION (WIDE POCKET)	Panel Height	Maximum Design Pressure (Pa)							
	4500	S	2230	1500	1140	920	780	690	620
		U	5350	3590	2720	2210	1870	1630	1460
	4200	S	2750	1850	1400	1140	970	860	780
		U	6150	4130	3130	2550	2160	1900	1710
	3900	S	3000	2320	1760	1440	1230	1090	990
		U	7140	4800	3650	2980	2540	2240	2020
	3600	S	3000	2960	2260	1850	1590	1420	1300
		U	8390	5660	4310	3530	3020	2670	2440
	3300	S	3000	3000	2960	2440	2110	1900	1750
		U	9000	6760	5170	4250	3660	3260	3000
	3000	S	3000	3000	3000	3000	2890	2620	2460
		U	9000	8220	6320	5220	4530	4080	3800
	2700	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	7910	6590	5780	5290	5010
	2400	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	8600	7670	7170	7010
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
Ixx = 5679 x 10 ³ mm ⁴	Mullion Spacing		600	900	1200	1500	1800	2100	2400

Tables are based on theoretical section properties

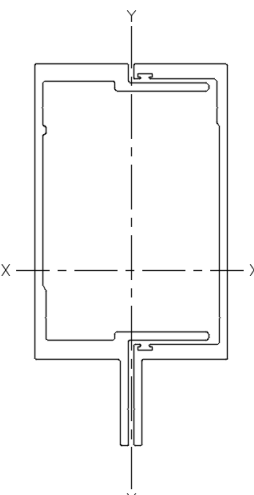
3. Loading Tables

HE496 + HE497 Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

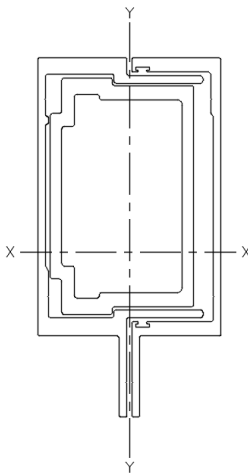
HE496 + HE497 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)								
	4500	S	1460	980	740	600	510	450		
		U	3560	2390	1810	1470	1240	1090	970	
	4200	S	1800	1210	920	750	640	560	510	
		U	4090	2750	2090	1690	1440	1260	1140	
	3900	S	2250	1510	1150	940	810	710	650	
		U	4750	3200	2430	1980	1690	1490	1340	
	3600	S	2860	1930	1480	1210	1040	930	850	
		U	5580	3760	2870	2350	2010	1780	1620	
	3300	S	3000	2520	1940	1600	1380	1240	1150	
		U	6660	4500	3440	2830	2430	2170	1990	
	3000	S	3000	3000	2610	2170	1890	1720	1610	
		U	8080	5470	4210	3470	3010	2720	2530	
	2700	S	3000	3000	3000	3000	2690	2480	2370	
		U	9000	6810	5260	4380	3850	3520	3340	
	2400	S	3000	3000	3000	3000	3000	3000	3000	
		U	9000	8710	6790	5720	5110	4770	4670	
	2100	S	3000	3000	3000	3000	3000	3000	3000	
		U	9000	9000	9000	7840	7180	6970	7200	
	1800	S	3000	3000	3000	3000	3000	3000	3000	
		U	9000	9000	9000	9000	9000	9000	9000	
I _{xx} = 3718 x 10 ³ mm ⁴	Mullion Spacing		600	900	1200	1500	1800	2100	2400	

Tables are based on theoretical section properties

3. Loading Tables

HE496 + HE497 + HE498 Mullion Combination

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

HE496 + HE497 + HE498 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)							
	4500	S	2010	1350	1030	830	710	620	560
		U	4910	3300	2500	2030	1720	1500	1350
	4200	S	2480	1670	1270	1030	880	780	700
		U	5650	3800	2880	2340	1990	1740	1570
	3900	S	3000	2090	1590	1300	1110	990	900
		U	6560	4410	3360	2730	2330	2050	1860
	3600	S	3000	2670	2040	1680	1440	1280	1170
		U	7710	5200	3960	3240	2770	2460	2240
	3300	S	3000	3000	2680	2210	1910	1710	1580
		U	9000	6210	4750	3900	3360	3000	2760
	3000	S	3000	3000	3000	2990	2610	2370	2220
		U	9000	7560	5810	4800	4160	3750	3490
	2700	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	7270	6050	5310	4860	4610
	2400	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	7900	7050	6590	6440
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
lxx = 5132 x 10 ³ mm ⁴	Mullion Spacing	600	900	1200	1500	1800	2100	2400	

Tables are based on theoretical section properties

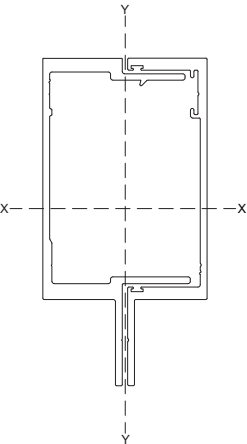
3. Loading Tables

HE464 + HE465 Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

HE464 + HE465 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)							
	4500	S	1570	1050	800	650	550	480	430
		U	3550	2390	1810	1460	1240	1080	970
	4200	S	1930	1300	990	810	690	600	550
		U	4080	2740	2080	1690	1440	1260	1130
	3900	S	2420	1630	1240	1020	870	770	700
		U	4740	3190	2430	1980	1680	1480	1340
	3600	S	3000	2080	1590	1310	1120	1000	910
		U	5570	3760	2860	2340	2000	1780	1620
	3300	S	3000	2720	2090	1720	1490	1340	1230
		U	6650	4490	3440	2820	2430	2170	1990
	3000	S	3000	3000	2810	2330	2040	1850	1730
		U	8060	5470	4200	3470	3010	2710	2520
	2700	S	3000	3000	3000	3000	2900	2670	2550
		U	9000	6800	5250	4380	3840	3510	3330
	2400	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	8690	6780	5710	5100	4770	4660
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	7820	7170	6960	7190
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
I_{xx} = 4005 x 10³ mm⁴	Mullion Spacing		600	900	1200	1500	1800	2100	2400

Tables are based on theoretical section properties

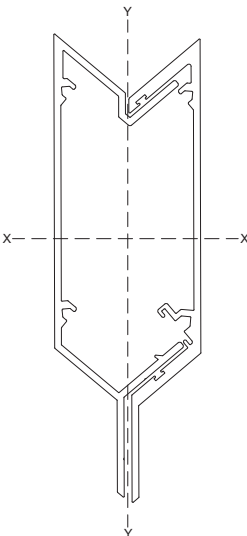
3. Loading Tables

HE544 + HE545 Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

HE544 + HE545 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)							
	4500	S	3000	2050	1550	1260	1070	940	850
		U	4910	3300	2500	2030	1720	1500	1350
	4200	S	3000	2530	1920	1570	1330	1180	1060
		U	5650	3790	2880	2340	1990	1740	1570
	3900	S	3000	3000	2410	1970	1690	1490	1360
		U	6560	4410	3360	2730	2330	2050	1860
	3600	S	3000	3000	3000	2540	2180	1940	1780
		U	7710	5200	3960	3240	2770	2460	2240
	3300	S	3000	3000	3000	3000	2890	2600	2400
		U	9000	6210	4750	3900	3360	3000	2750
	3000	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	7560	5810	4800	4160	3750	3490
	2700	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	7260	6050	5310	4860	4600
	2400	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	7900	7050	6590	6440
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
l_{xx} = 7763 x 10³ mm⁴	Mullion Spacing		600	900	1200	1500	1800	2100	2400

Tables are based on theoretical section properties

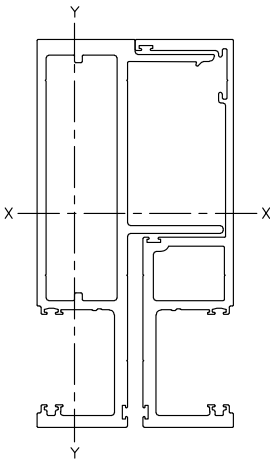
3. Loading Tables

HE524 + HE525 Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

HE524 + HE525 MULLION COMBINATION	Panel Height	Maximum Design Pressure (Pa)							
	4500	S	2590	1740	1320	1070	910	800	720
		U	5800	3900	2950	2390	2030	1770	1590
	4200	S	3000	2140	1630	1330	1130	1000	900
		U	6670	4480	3400	2760	2350	2060	1850
	3900	S	3000	2690	2050	1670	1430	1270	1150
		U	7740	5210	3960	3230	2750	2430	2190
	3600	S	3000	3000	2620	2150	1850	1650	1510
		U	9000	6140	4680	3820	3270	2900	2640
	3300	S	3000	3000	3000	2840	2450	2200	2040
		U	9000	7330	5610	4610	3970	3540	3250
	3000	S	3000	3000	3000	3000	3000	3000	2850
		U	9000	8920	6860	5660	4910	4430	4120
	2700	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	8580	7140	6270	5730	5440
	2400	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	8320	7780	7610
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
I_{xx} = 6592 x 10³ mm⁴	Mullion Spacing		600	900	1200	1500	1800	2100	2400

Tables are based on theoretical section properties



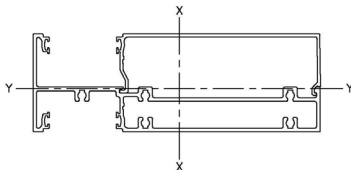
3. Loading Tables

HE470 + HE471 Transom

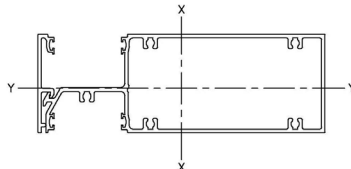
Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

HE470 + HE471 TRANSOM	Transom Centres	Maximum Design Loads (Pa)				
	2400	S	3000	3000	3000	
		U	9000	9000	5420	
	2100	S	3000	3000	3000	
		U	9000	9000	5530	
	1800	S	3000	3000	3000	
		U	9000	9000	5610	
	1500	S	3000	3000	3000	
		U	9000	9000	5840	
	1200	S	3000	3000	3000	3000
		U	9000	9000	6590	4630
	900	S	3000	3000	3000	3000
		U	9000	9000	8170	5860
Max Kg		200	119	69	43	
$I_{xx} = 1963 \times 10^3 \text{ mm}^4$ $I_{yy} = 109 \times 10^3 \text{ mm}^4$	Transom length	1200	1500	1800	2100	

HE472 + HE313 Transom

HE472 + HE313 TRANSOM	Transom Centres	Maximum Design Loads (Pa)						
	2400	S	3000	3000	3000	3000	1720	
		U	9000	9000	5550	2820	2390	
	2100	S	3000	3000	3000	2930	1750	
		U	9000	9000	5600	3570	2450	
	1800	S	3000	3000	3000	3000	1860	
		U	9000	9000	5680	3680	2620	
	1500	S	3000	3000	3000	3000	2070	
		U	9000	9000	5910	4020	2940	
	1200	S	3000	3000	3000	3000	2430	
		U	9000	9000	6670	4680	3480	
	900	S	3000	3000	3000	3000	3000	2170
		U	9000	9000	8260	5930	4470	3490
Max Kg			200	200	200	134	90	63
$I_{xx} = 1723 \times 10^3 \text{ mm}^4$ $I_{yy} = 304 \times 10^3 \text{ mm}^4$	Transom length		1200	1500	1800	2100	2400	2700

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.

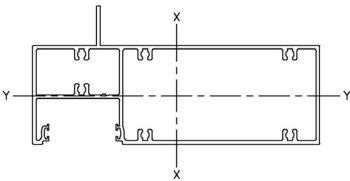
3. Loading Tables

HE484 150mm Transom DG 35mm Sash

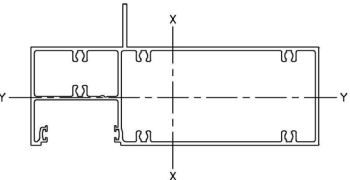
Max Stress = 110Mpa

S = Serviceability limit state 1/250

U = Ultimate limit state

HE484 150mm TRANSOM DG 35mm SASH	Transom Centres	Maximum Design Loads (Pa)			
	2400	S	3000	3000	3000
		U	9000	9000	6300
	2100	S	3000	3000	3000
		U	9000	9000	6500
	1800	S	3000	3000	3000
		U	9000	9000	6840
	1500	S	3000	3000	3000
		U	9000	9000	7120
	1200	S	3000	3000	3000
		U	9000	9000	8030
	900	S	3000	3000	3000
		U	9000	9000	9000
	Max Kg		200	200	200
	Transom length		1200	1500	1800
$I_{xx} = 2419 \times 10^3 \text{ mm}^4$ $I_{yy} = 415 \times 10^3 \text{ mm}^4$					

HE485 150mm Transom DG 50mm Sash

HE485 150mm TRANSOM DG 50mm SASH	Transom Centres	Maximum Design Loads (Pa)			
	2400	S	3000	3000	3000
		U	9000	9000	6280
	2100	S	3000	3000	3000
		U	9000	9000	6480
	1800	S	3000	3000	3000
		U	9000	9000	6800
	1500	S	3000	3000	3000
		U	9000	9000	7080
	1200	S	3000	3000	3000
		U	9000	9000	7980
	900	S	3000	3000	3000
		U	9000	9000	9000
	Max Kg		200	200	200
	Transom length		1200	1500	1800
$I_{xx} = 2390 \times 10^3 \text{ mm}^4$ $I_{yy} = 422 \times 10^3 \text{ mm}^4$					

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.

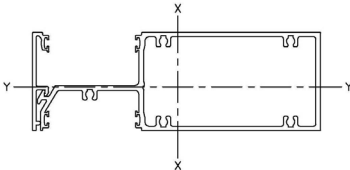
3. Loading Tables

HE572 & HE313 Transom (Wide Pocket)

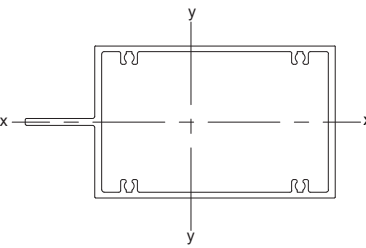
Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

HE572 & HE313 TRANSOM (WIDE POCKET)	Transom Centres	Maximum Design Loads (Pa)						
	2400	S	3000	3000	3000	3000	1910	
		U	9000	9000	5100	3250	2210	
	2100	S	3000	3000	3000	3000	1940	
		U	9000	9000	5150	3300	2260	
	1800	S	3000	3000	3000	3000	2060	
		U	9000	9000	5240	3400	2420	
	1500	S	3000	3000	3000	3000	2300	
		U	9000	9000	5450	3710	2710	
	1200	S	3000	3000	3000	3000	2700	1860
		U	9000	9000	6150	4320	3210	2490
	900	S	3000	3000	3000	3000	3000	2390
		U	9000	9000	7620	5470	4120	3220
	Max Kg		200	200	200	133	89	62
	Max Kg		45	62	89	133	200	200
$I_{xx} = 1914 \times 10^3 \text{ mm}^4$ $I_{yy} = 334 \times 10^3 \text{ mm}^4$	Transom length		1200	1500	1800	2100	2400	2700

HE527 150mm Structural Glazed Transom

HE527 150mm STRUCT. GLAZED TRANSOM	Transom Centres	Maximum Design Loads (Pa)						
	2400	S	3000	3000	3000	3000	2020	1280
		U	9000	9000	7180	3810	2470	1760
	2100	S	3000	3000	3000	3000	2060	1340
		U	9000	9000	6120	3680	2520	1860
	1800	S	3000	3000	3000	3000	2190	1460
		U	9000	9000	5850	3790	2700	2030
	1500	S	3000	3000	3000	3000	2440	1650
		U	9000	9000	6090	4140	3030	2320
	1200	S	3000	3000	3000	3000	2870	1970
		U	9000	9000	6870	4820	3590	2780
	900	S	3000	3000	3000	3000	3000	2540
		U	9000	9000	8510	6110	4600	3600
	Max Kg		1994	1021	591	372	249	175
	Max Kg		128	175	249	372	591	1021
$I_{xx} = 2016 \times 10^3 \text{ mm}^4$ $I_{yy} = 744 \times 10^3 \text{ mm}^4$	Transom length		1200	1500	1800	2100	2400	2700

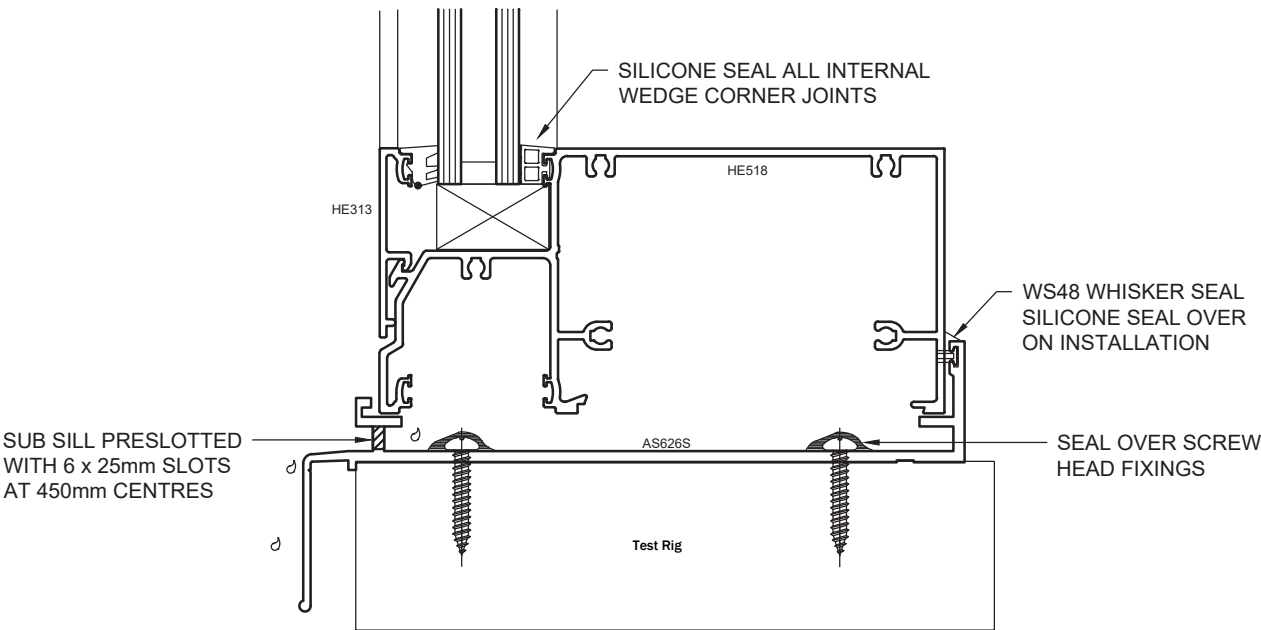
Tables are based on theoretical section properties

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

TEST REPORT:	AS18.359
SYSTEM CONFIGURATION	HUNTER EVO 150mm DG F/F WITH HE462 AND HE463 MULLIONS
TEST SAMPLE SIZE	2675 H x 2083W
SERVICEABILITY LOAD	+/- 1672 Pa
ULTIMATE LOAD	+/- 3552 Pa

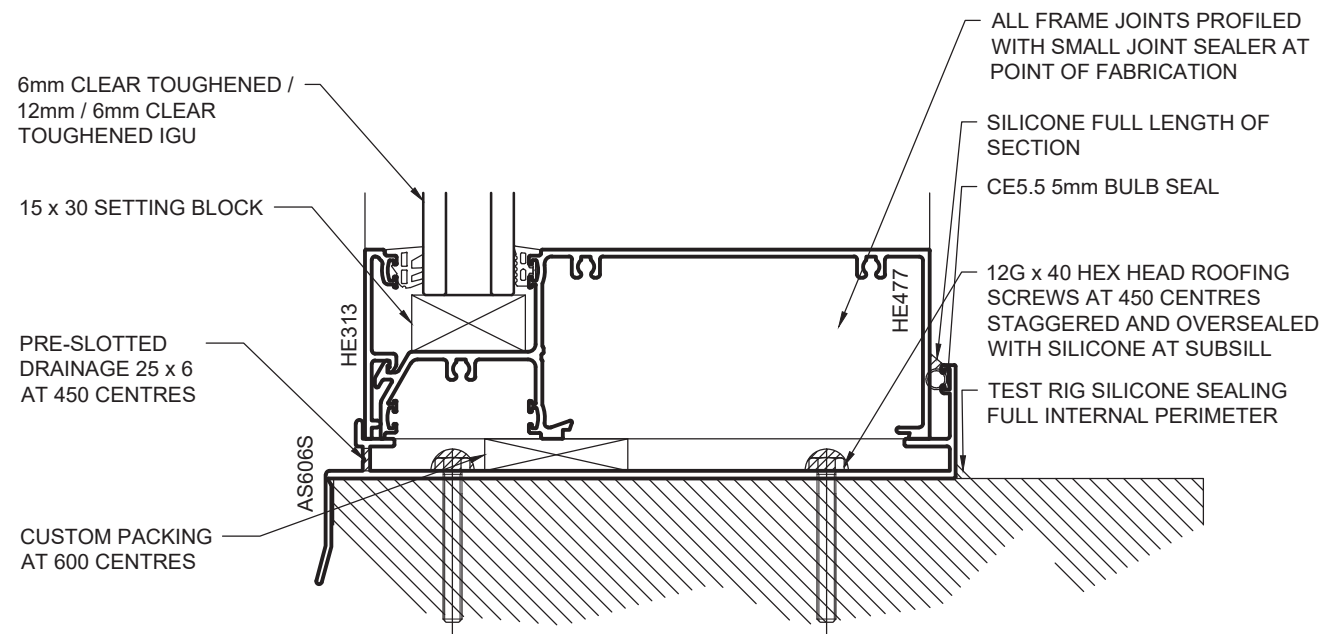


DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.

4. Test Summary

AS2047 - Fixed/ Fixed

TEST REPORT:	OT20-017
SYSTEM CONFIGURATION	HUNTER EVO 150mm DG F/F WITH HE482/HE483 MULLIONS AND HE487 SPLICE
TEST SAMPLE SIZE	3224 H x 3000 W
SERVICEABILITY LOAD	+/- 2121 Pa
ULTIMATE LOAD	+/- 2709 Pa
WATER PENETRATION	637 Pa
AIR INFILTRATION @75Pa	+ 0.60 L/m/s ² - 0.83 L/m/s ²



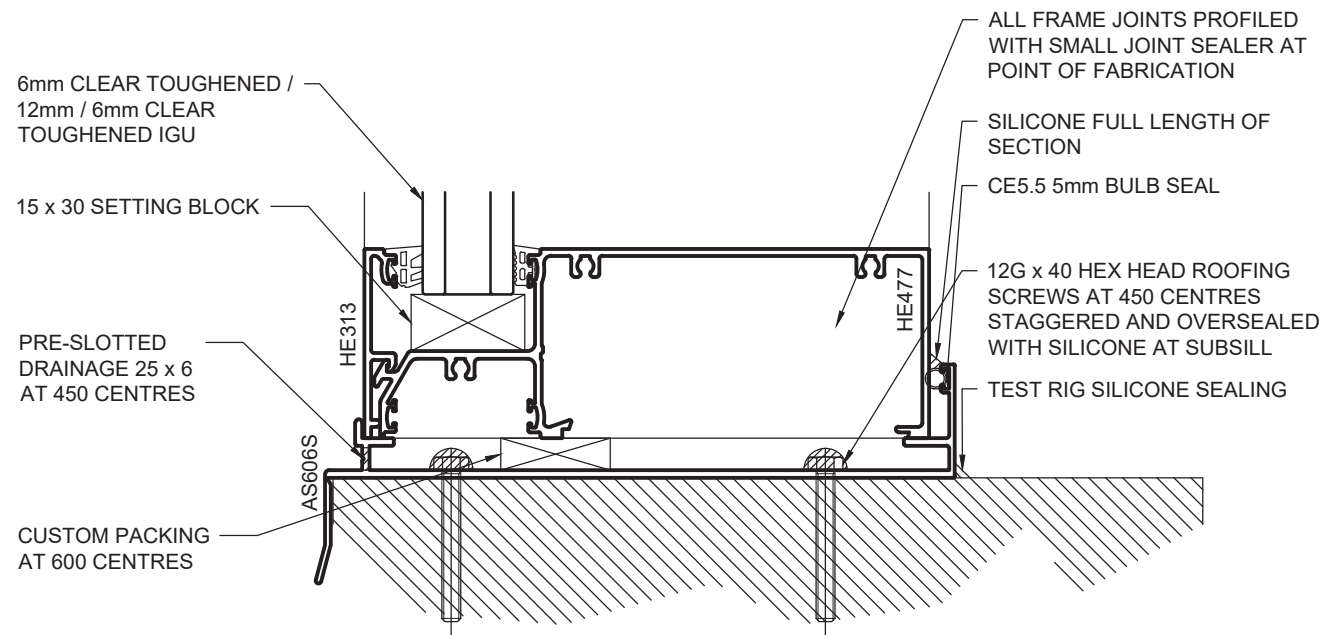
DISCLAIMER:

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 Alspec prior to commencement.

4. Test Summary

AS2047 - Fixed/ Fixed/ Fixed over Fixed

TEST REPORT:	OT20-018
SYSTEM CONFIGURATION	HUNTER EVO 150mm DG F/F/F-F WITH HE488/HE489 MULLIONS AND HE527 STRUCTURAL GLAZE TRANSOM
TEST SAMPLE SIZE	3224 H x 4600 W
SERVICEABILITY LOAD	+/- 2851 Pa
WATER PENETRATION	855 Pa
AIR INFILTRATION @75Pa	+ 0.54 L/m/s ² - 1.24 L/m/s ²

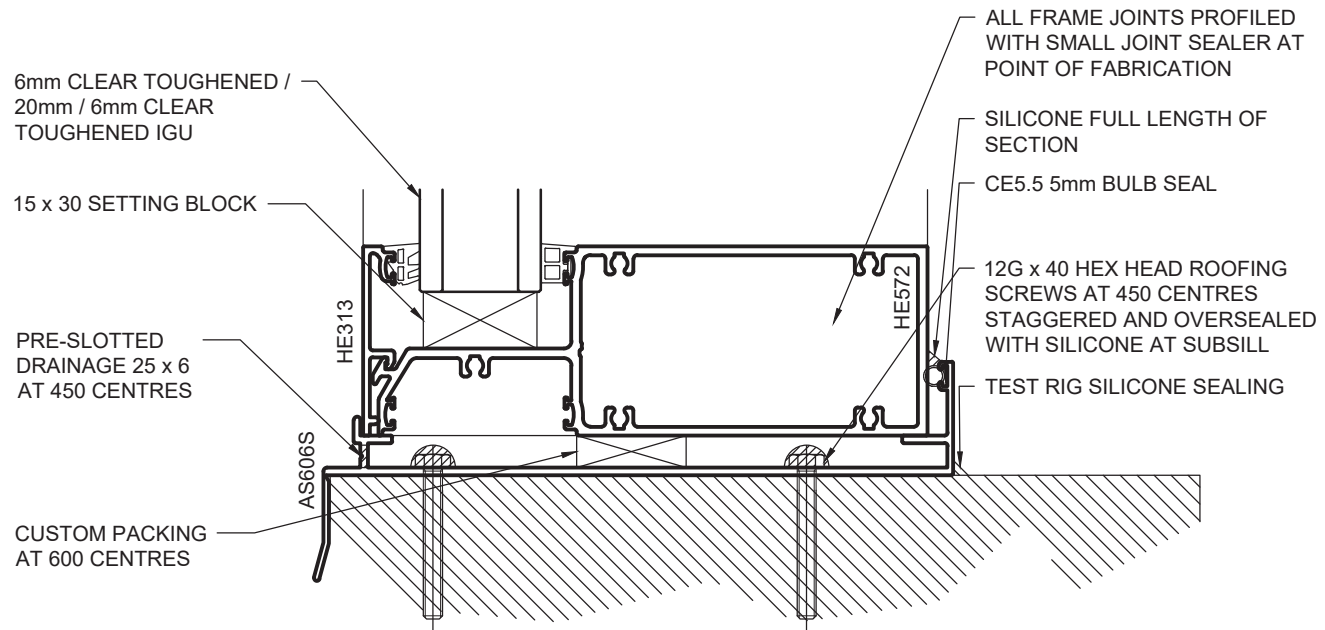


DISCLAIMER:
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4. Test Summary

AS2047 - Fixed/ Fixed/ Fixed over Fixed

TEST REPORT:	OT20-019
SYSTEM CONFIGURATION	HUNTER EVO 150mm DG F/F/F-F WITH HE562/HE563 MULLIONS AND HE572 TRANSOM WITH HE313 BEAD
TEST SAMPLE SIZE	3224 H x 4600 W
SERVICEABILITY LOAD	+/- 1621 Pa
ULTIMATE LOAD	+/- 2511 Pa
WATER PENETRATION	490 Pa
AIR INFILTRATION @75Pa	+ 0.10 L/m/s ² - 0.32 L/m/s ²



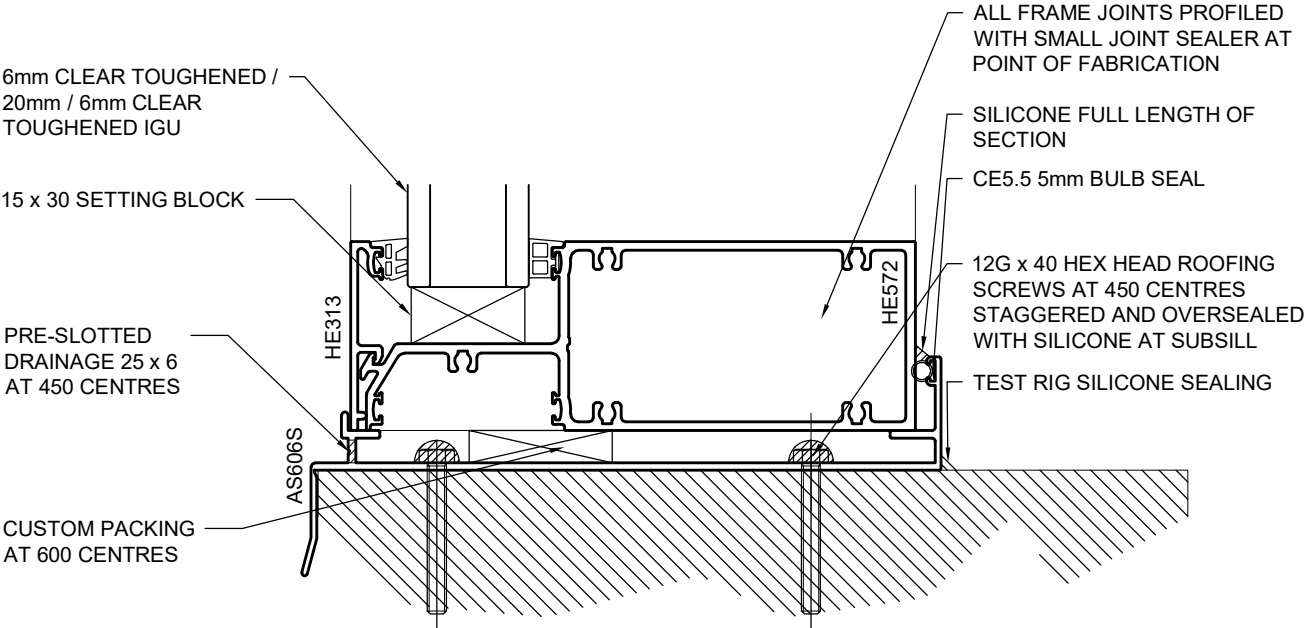
DISCLAIMER:

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4. Test Summary

AS2047 - Fixed/ Fixed

TEST REPORT:	OT20-023
SYSTEM CONFIGURATION	HUNTER EVO 150mm DG F/F WITH HE578/HE579 MULLIONS AND HE580 SPLICE
TEST SAMPLE SIZE	3224 H x 3000 W
SERVICEABILITY LOAD	+/- 2401 Pa
ULTIMATE LOAD	+/- 3004 Pa
WATER PENETRATION	723 Pa
AIR INFILTRATION @75Pa	+ 0.23 L/m/s ² - 0.57 L/m/s ²

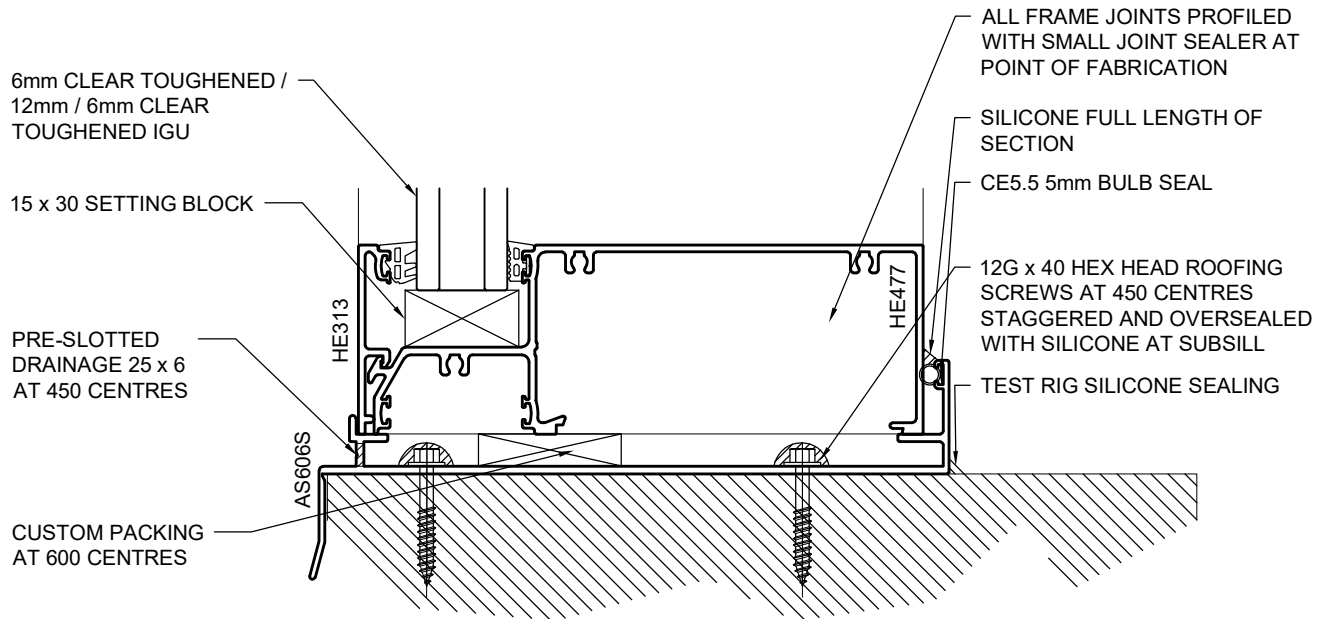


DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.

4. Test Summary

AS2047 - Fixed/ Fixed

TEST REPORT:	OT20-020
SYSTEM CONFIGURATION	HUNTER EVO 150mm DG F/F WITH HE496 AND HE497 MULLIONS
TEST SAMPLE SIZE	3224 H x 3000 W
SERVICEABILITY LOAD	+/- 1600 Pa
ULTIMATE LOAD	+/- 2628 Pa
WATER PENETRATION	643 Pa
AIR INFILTRATION @75Pa	+ 0.47 L/m/s ² - 0.79 L/m/s ²



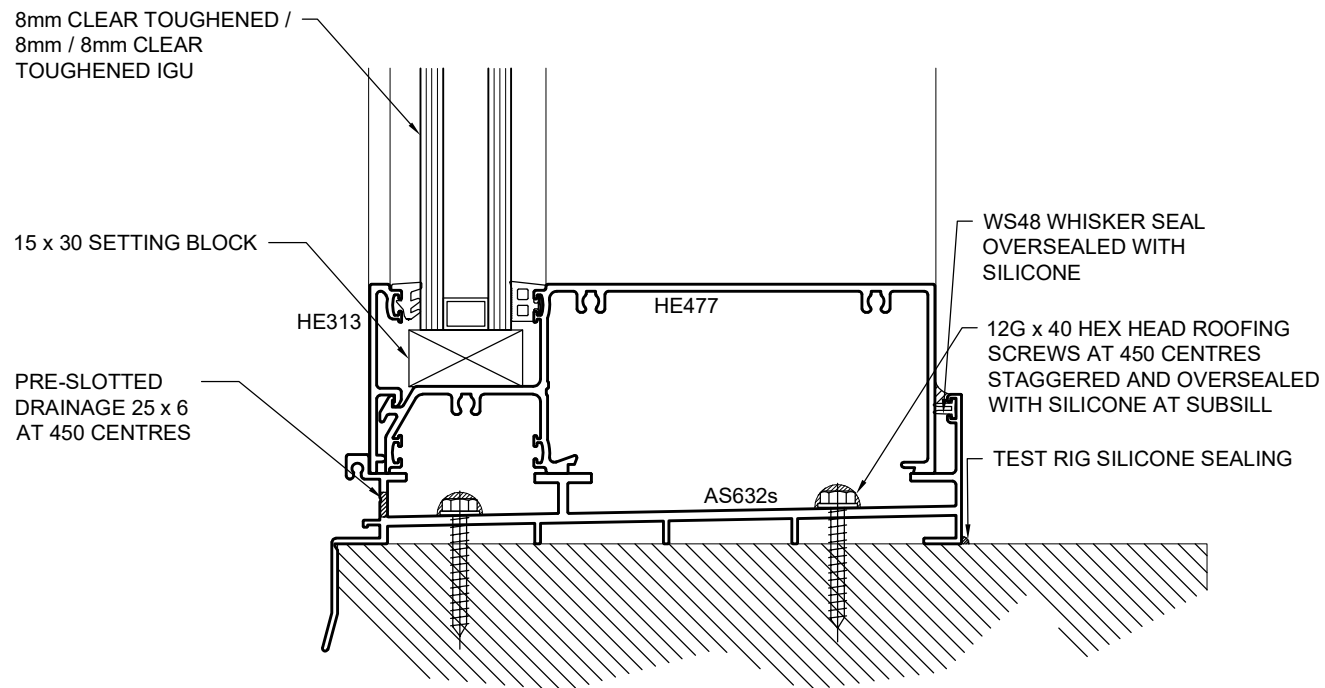
DISCLAIMER:

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 Alspec prior to commencement.

4. Test Summary

AS2047 - Fixed/ Fixed

TEST REPORT:	OT21-079
SYSTEM CONFIGURATION	HUNTER EVO 150mm DG F/F WITH HE524 AND HE525 MULLIONS WITH HE526 AND VERTICAL FIN BLADE
TEST SAMPLE SIZE	3182 H x 4580 W
SERVICEABILITY LOAD	+/- 802 Pa
ULTIMATE LOAD	+/- 2010 Pa
WATER PENETRATION	241 Pa
AIR INFILTRATION @75Pa	+ 0.06 L/m/s ² - 0.27 L/m/s ²

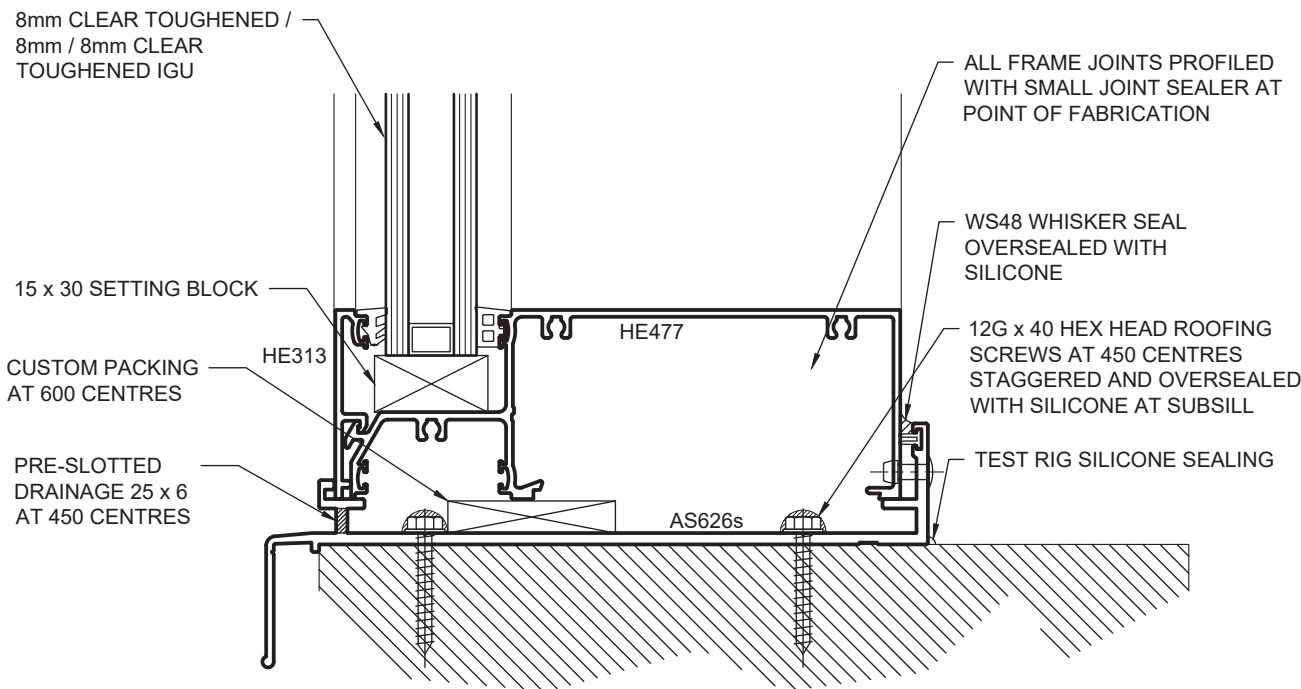


DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.

4. Test Summary

AS2047 - Fixed/ Fixed

TEST REPORT:	OT21-080
SYSTEM CONFIGURATION	HUNTER EVO 150mm DG F/F WITH HE524, HE525 MULLIONS WITH HE526 AND VERTICAL FIN BLADE
TEST SAMPLE SIZE	3182 H x 4580 W
SERVICEABILITY LOAD	+/- 1201 Pa
ULTIMATE LOAD	+/- 3004 Pa
WATER PENETRATION	406 Pa
AIR INFILTRATION @75Pa	+ 0.06 L/m/s ² - 0.07 L/m/s ²

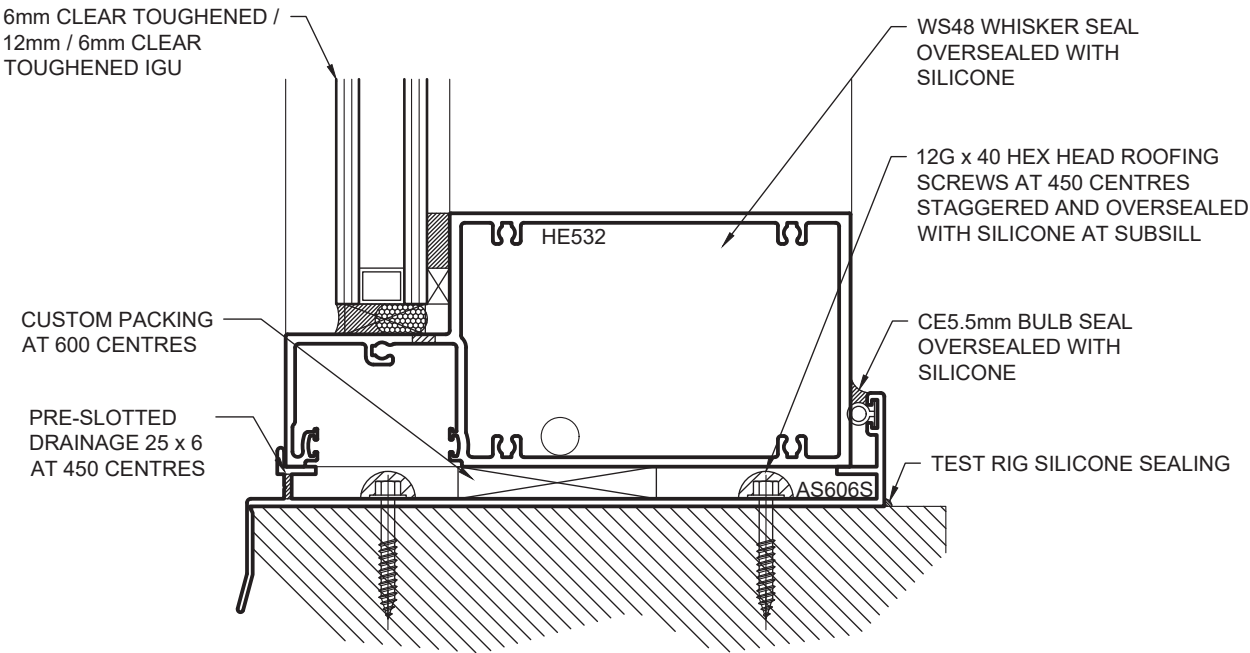


DISCLAIMER:

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 Alspec prior to commencement.

AS2047 - Fixed/ Fixed

TEST REPORT:	OT22-107
SYSTEM CONFIGURATION	HUNTER EVO 150mm DG F/F WITH HE532 HEAD/SILL AND HE496 / HE497 MULLIONS
TEST SAMPLE SIZE	3224 H x 3233 W
SERVICEABILITY LOAD	+/- 1803 Pa
ULTIMATE LOAD	+/- 2107 Pa
WATER PENETRATION	540 Pa
AIR INFILTRATION @75Pa	+ 0.04 L/m/s ² - 0.01 L/m/s ²

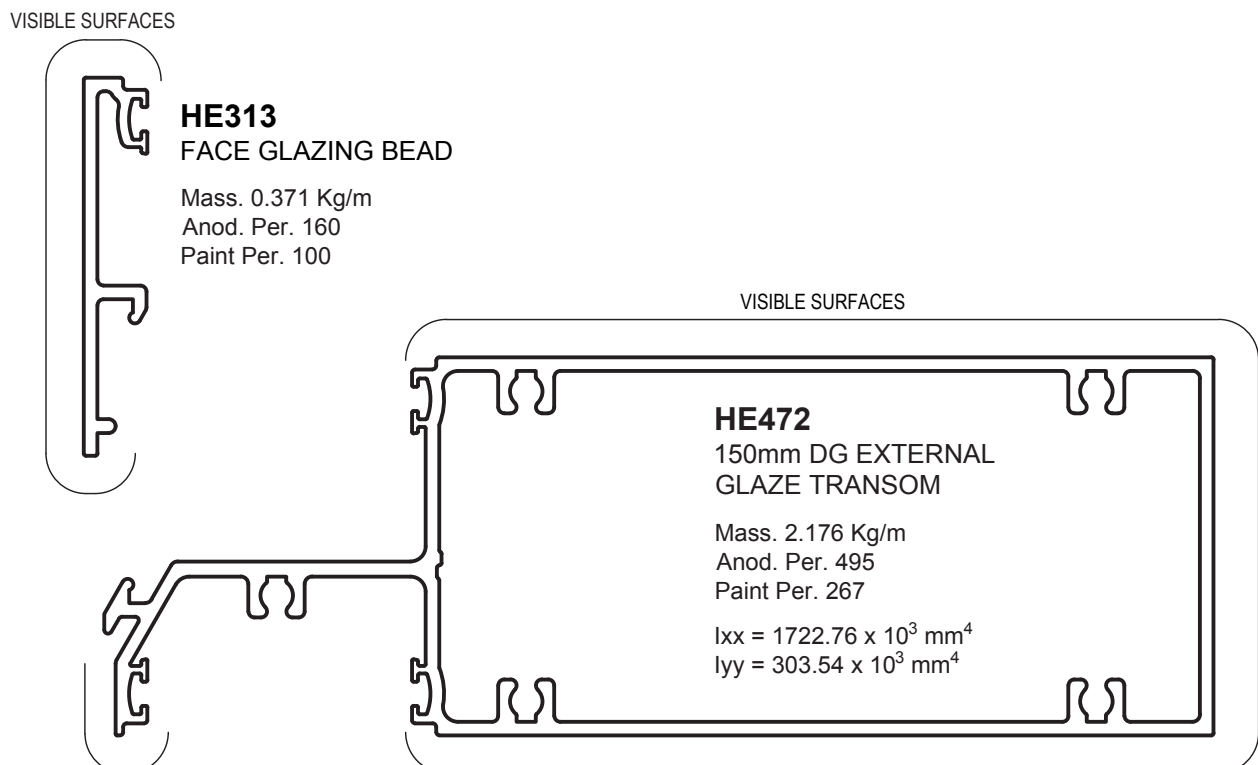
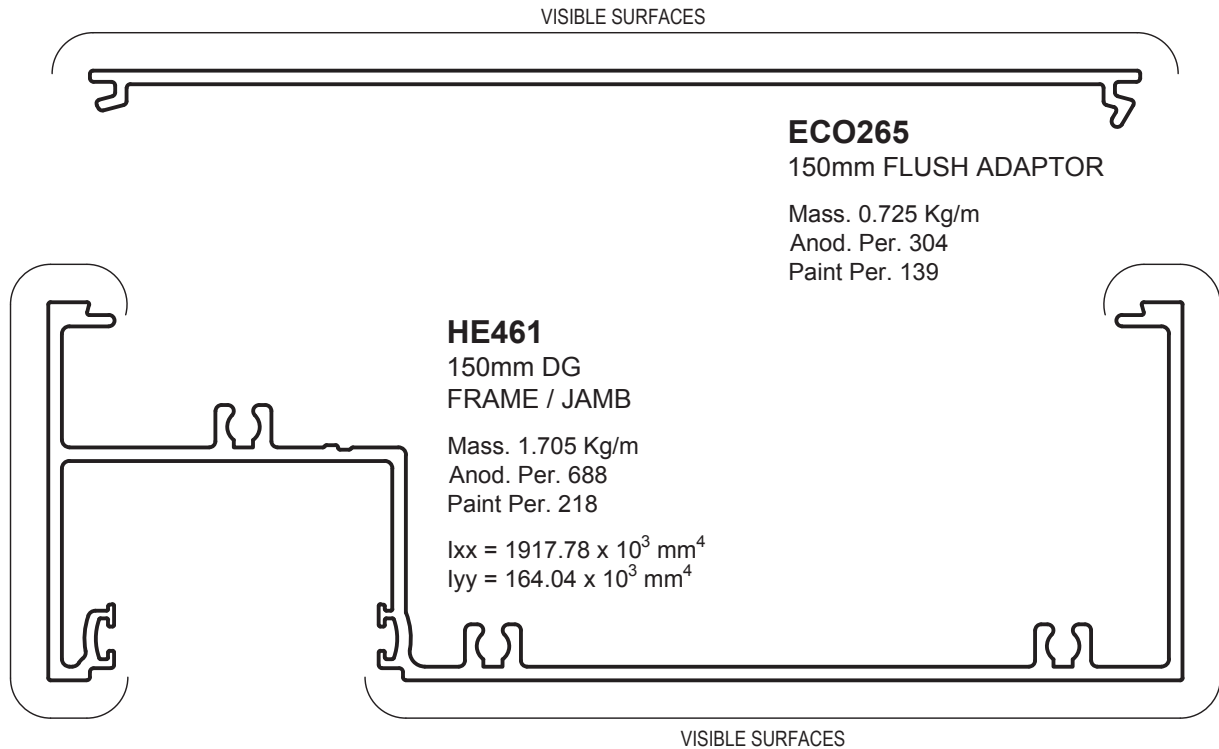


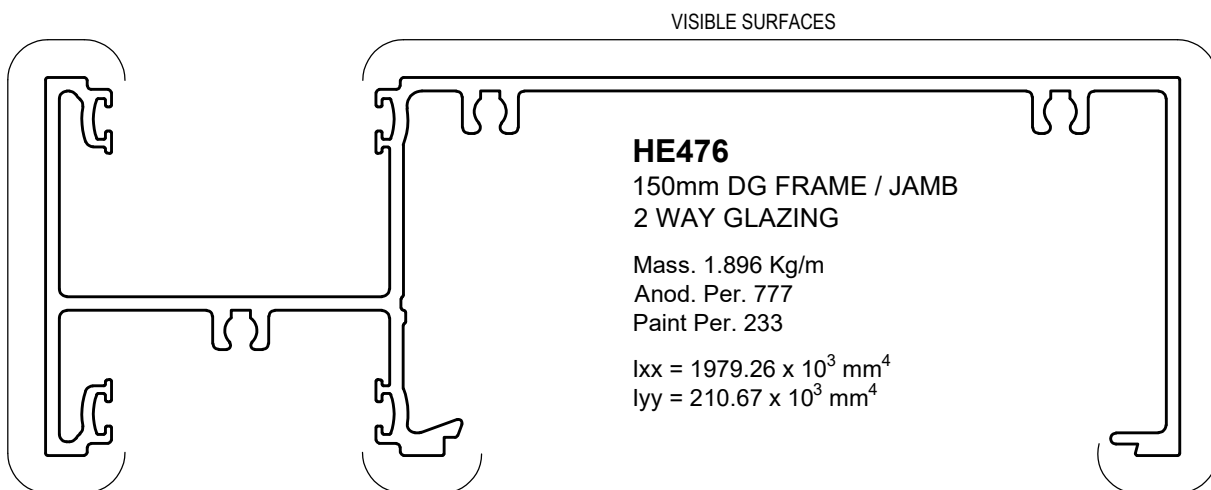
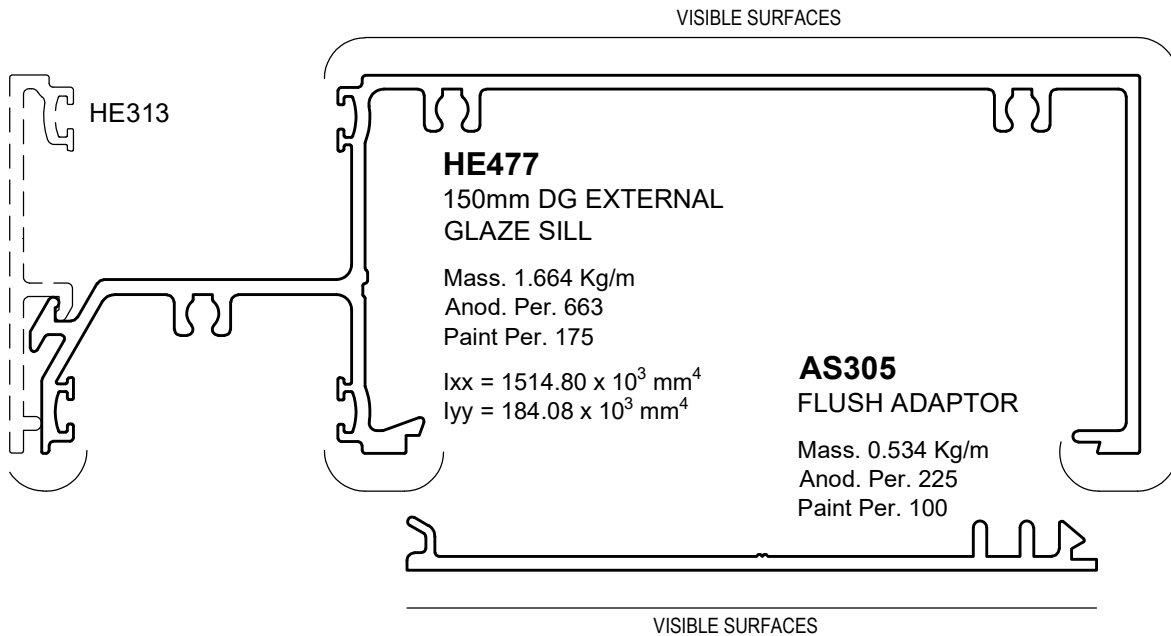
DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.

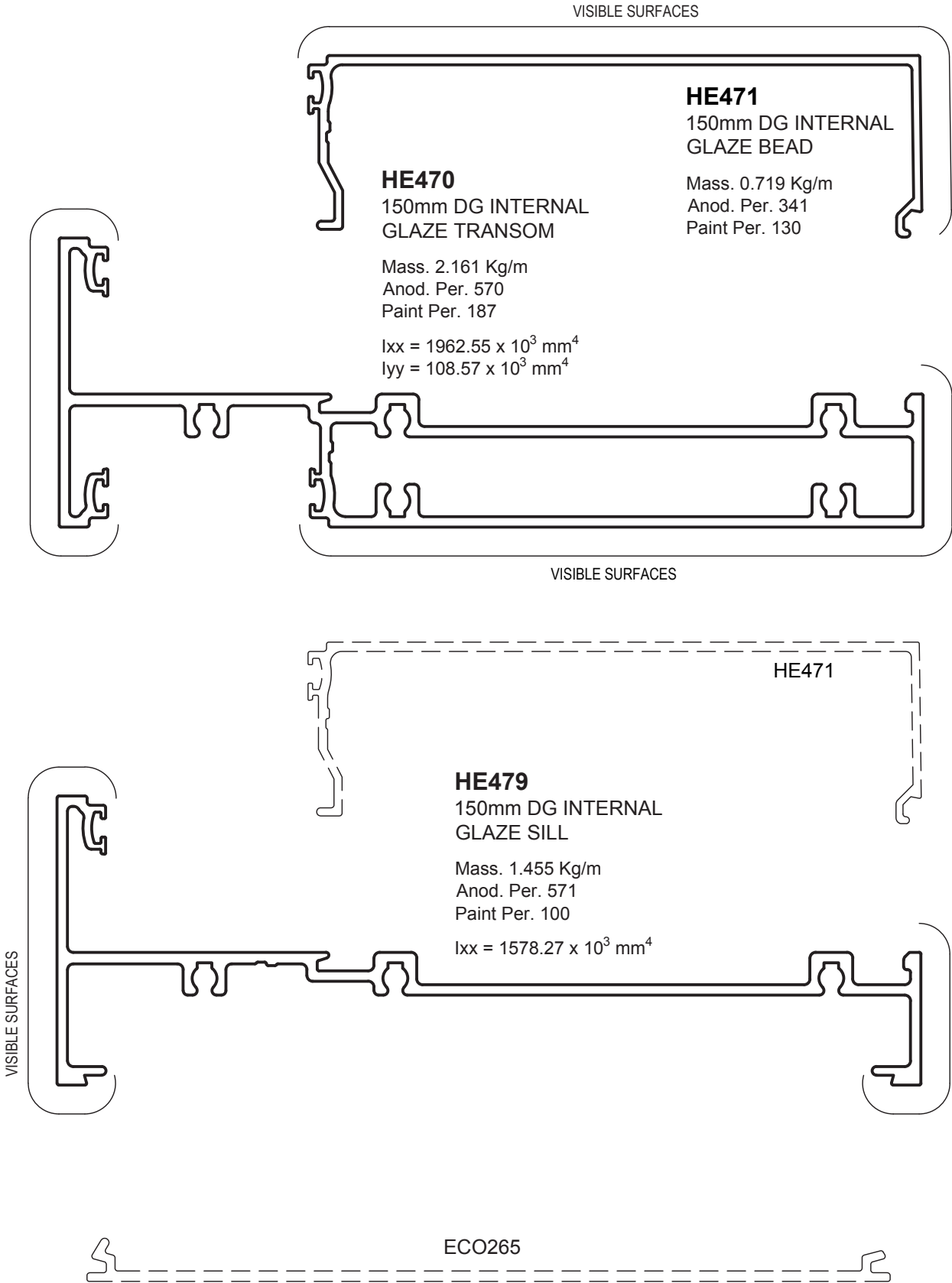
4. Test Summary

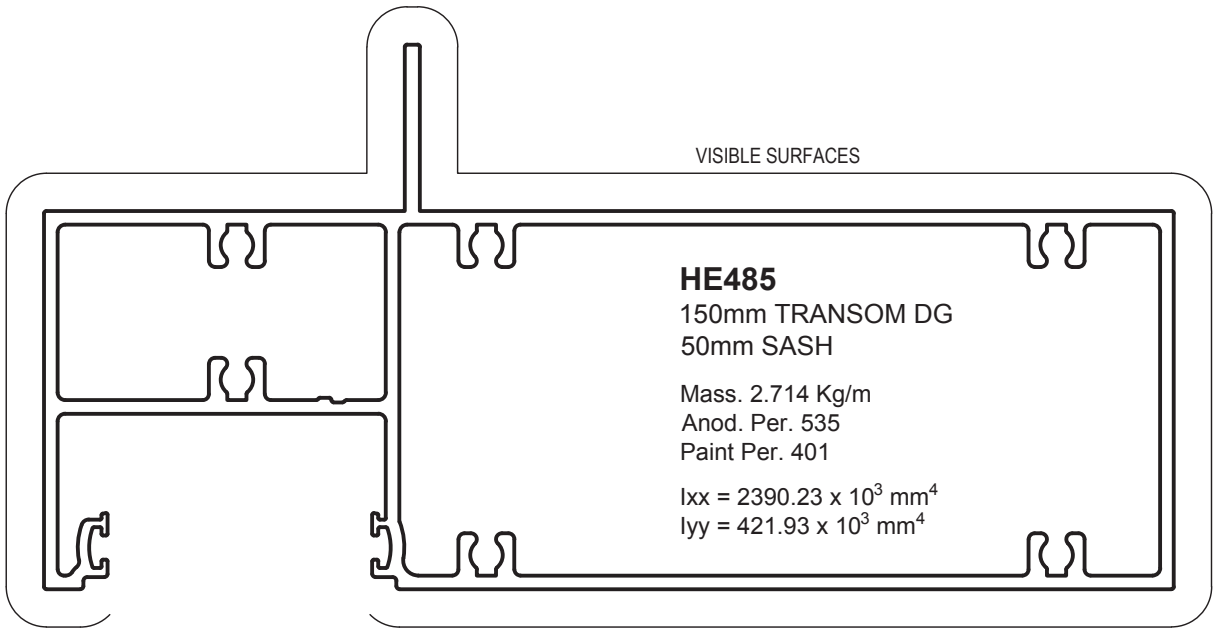
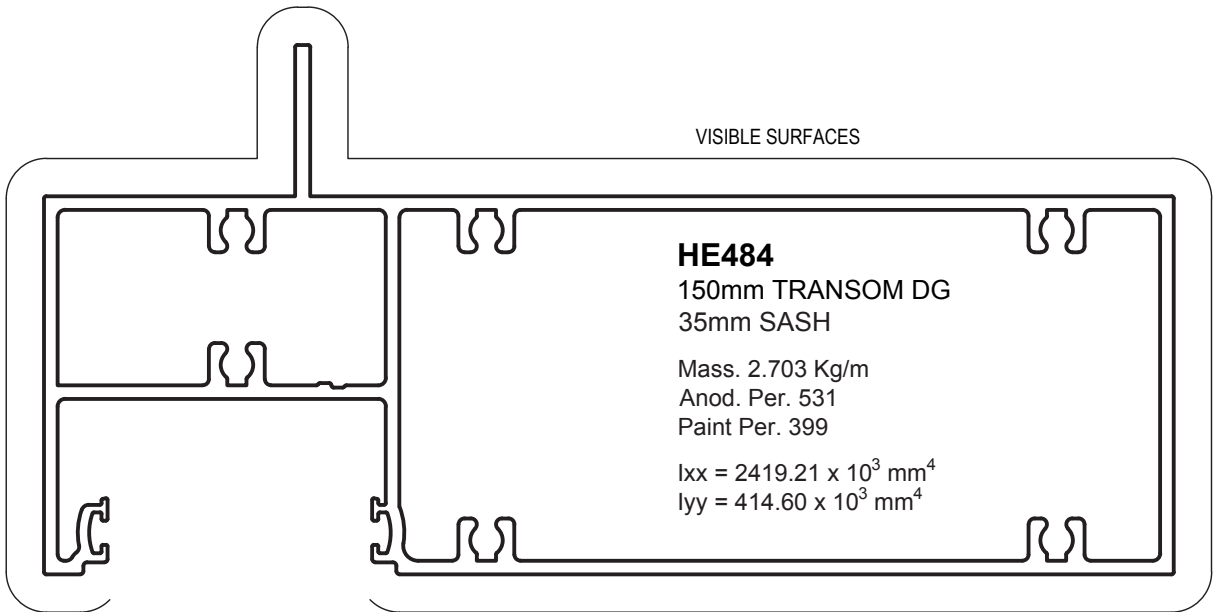
Acoustic - AS/NZS ISO 717.1

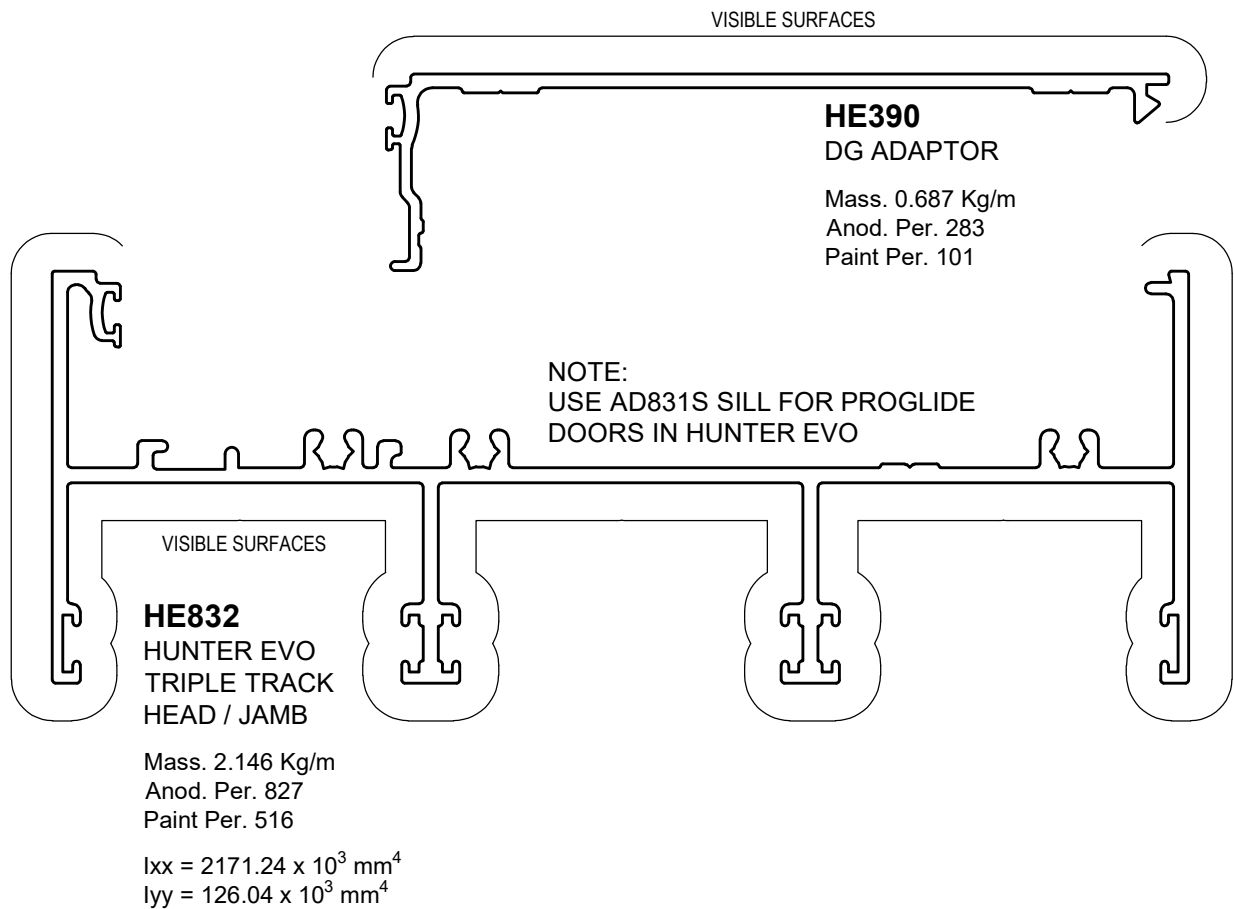
TEST REPORT	PRODUCT DESCRIPTION	SIZE	GLASS	Rw
OT.AC23-19	HUNTER EVO 150mm FIXED / FIXED WITH HE462 / HE463 MULLIONS	2.1m (H) x 1.8m (W)	6mm TOUGHENED / 12mm AIR / 6mm LAMINATE	33
OT.AC23-20	HUNTER EVO 150mm FIXED / FIXED WITH HE462 / HE463 MULLIONS	2.1m (H) x 1.8m (W)	6.5mm ACOUSTA / 12mm AIR / 6mm TOUGHENED	37
OT.AC23-21	HUNTER EVO 150mm FIXED / FIXED WITH HE462 / HE463 MULLIONS	2.1m (H) x 1.8m (W)	8.38mm LAMINATE / 12mm AIR / 6mm TOUGHENED	34

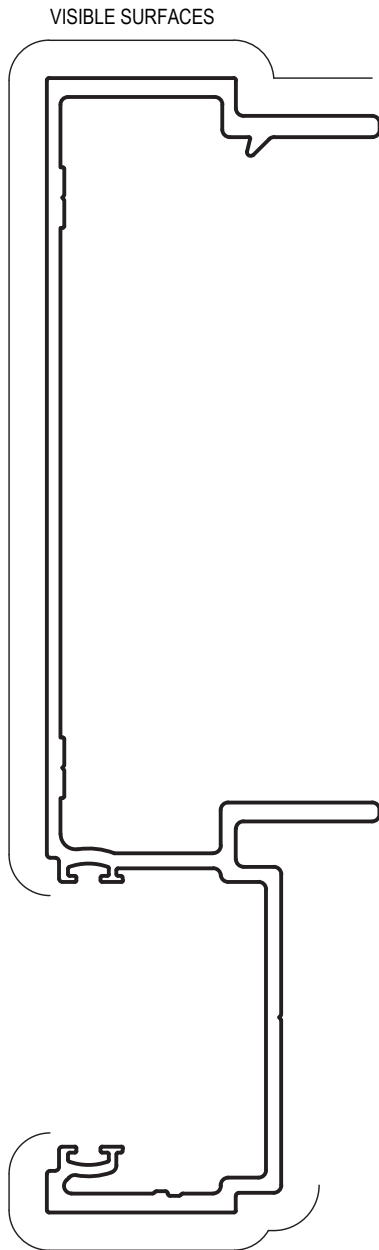








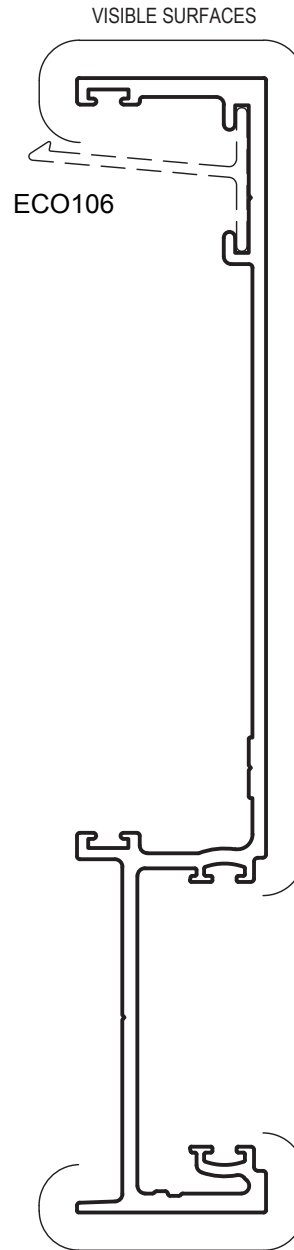




HE462
150mm DG MALE
MULLION

Mass. 1.713 Kg/m
Anod. Per. 608
Paint Per. 190

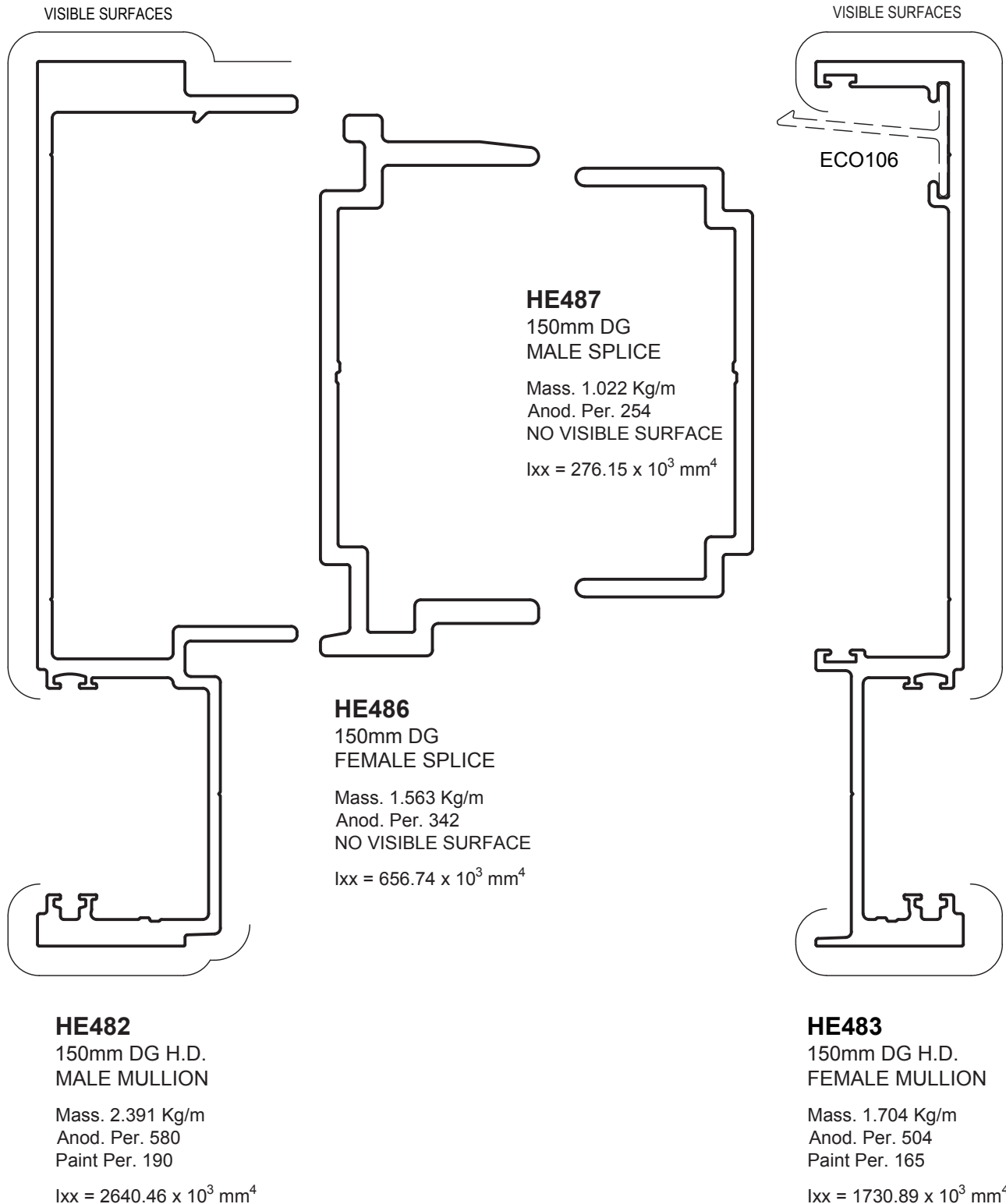
Ixx = $1757.01 \times 10^3 \text{ mm}^4$

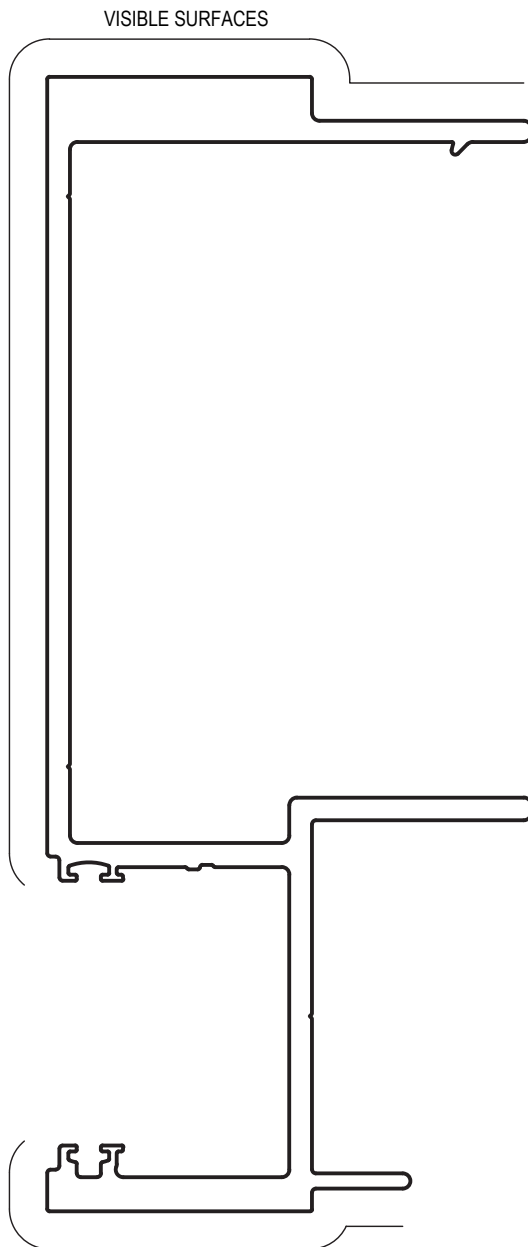


HE463
150mm DG FEMALE
MULLION

Mass. 1.366 Kg/m
Anod. Per. 523
Paint Per. 164

Ixx = $1393.94 \times 10^3 \text{ mm}^4$



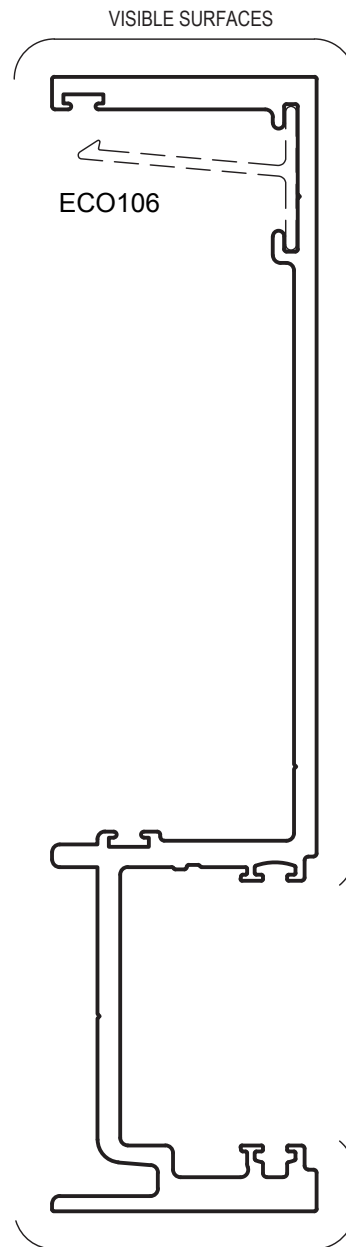


HE488

150mm H.D. WIDE
MALE MULLION

Mass. 3.267 Kg/m
Anod. Per. 681
Paint Per. 228

$I_{xx} = 3681.67 \times 10^3 \text{ mm}^4$

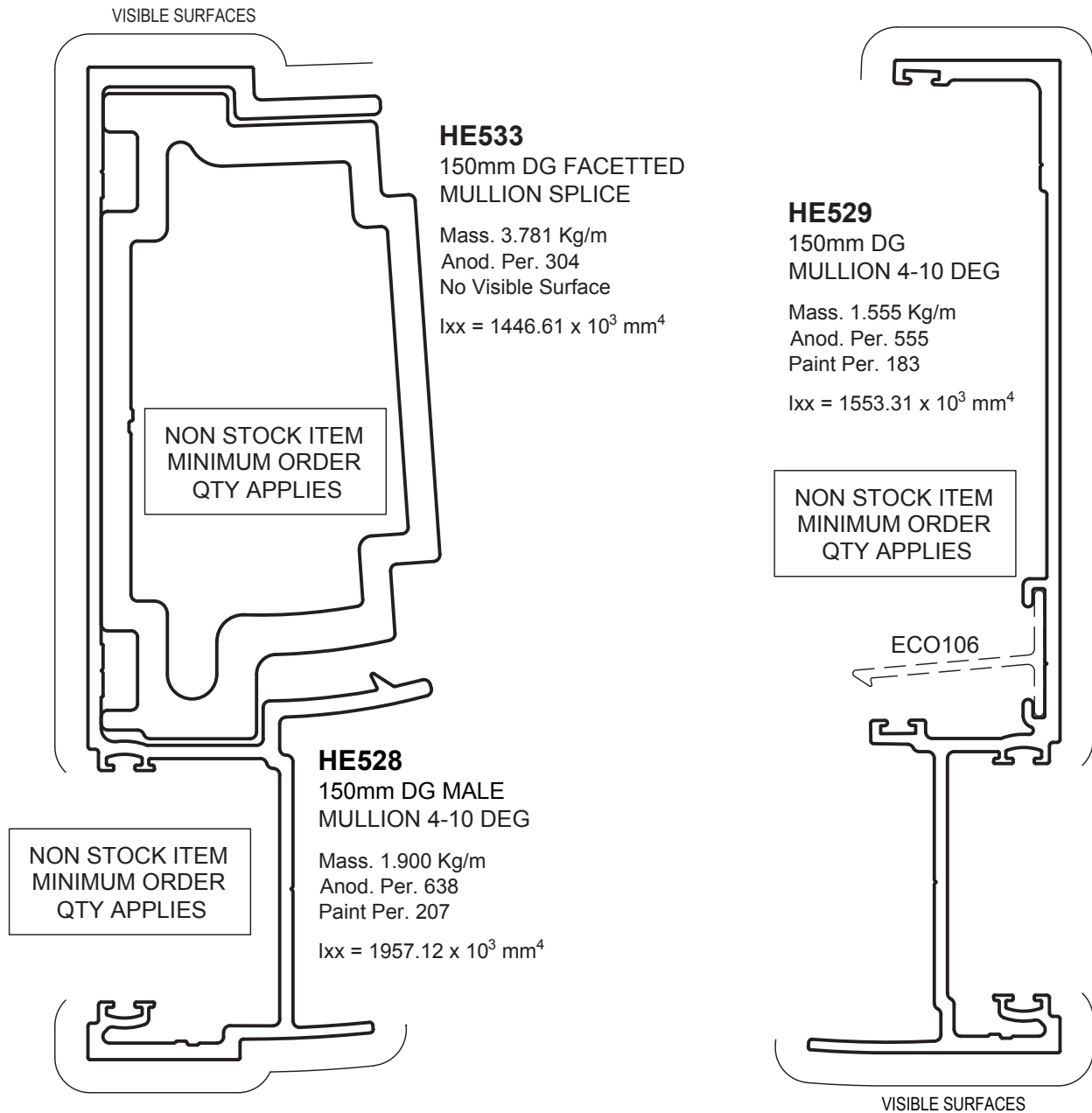


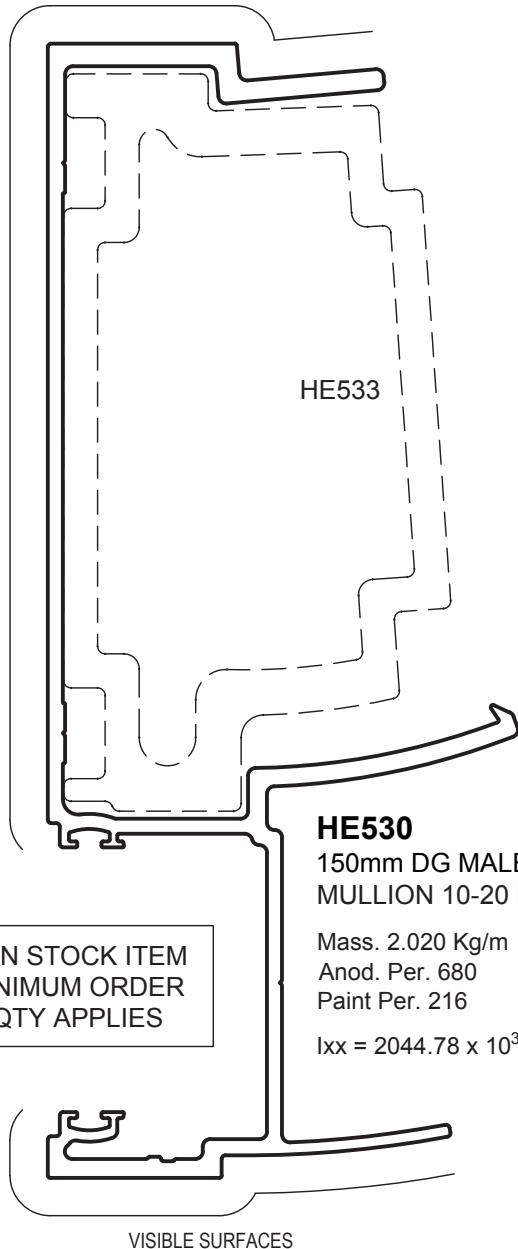
HE489

150mm H.D. WIDE
FEMALE MULLION

Mass. 2.252 Kg/m
Anod. Per. 573
Paint Per. 185

$I_{xx} = 2321.11 \times 10^3 \text{ mm}^4$





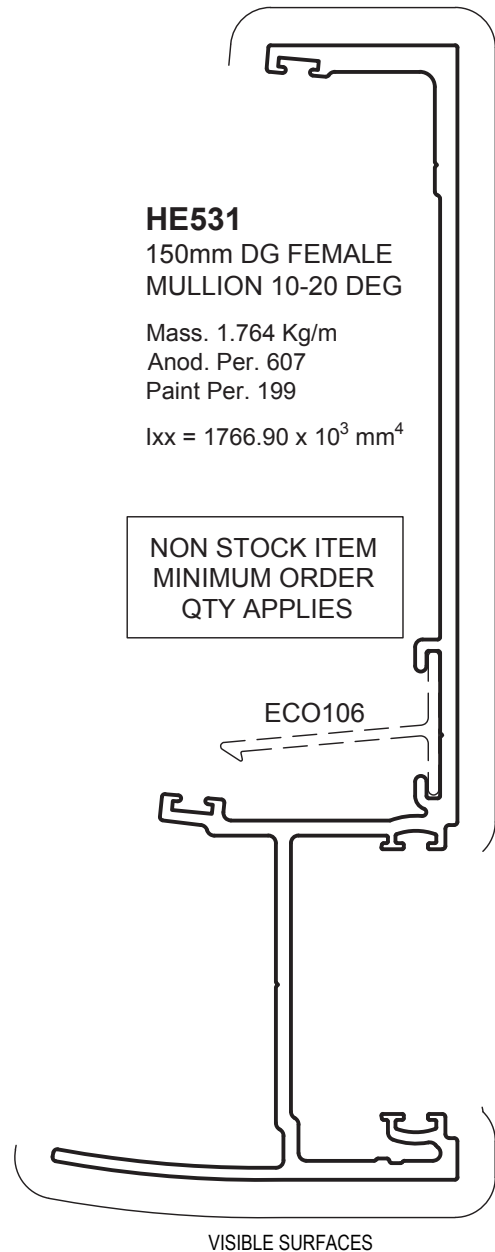
HE533

HE530
150mm DG MALE
MULLION 10-20 DEG

Mass. 2.020 Kg/m
Anod. Per. 680
Paint Per. 216
 $I_{xx} = 2044.78 \times 10^3 \text{ mm}^4$

NON STOCK ITEM
MINIMUM ORDER
QTY APPLIES

VISIBLE SURFACES



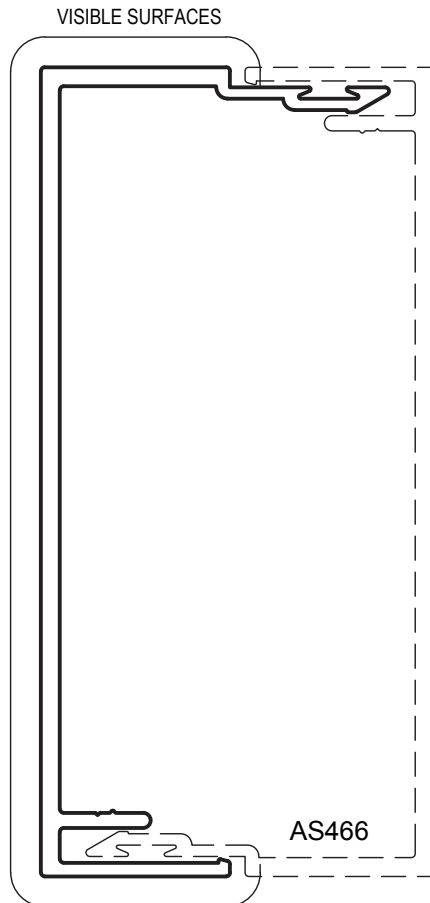
HE531
150mm DG FEMALE
MULLION 10-20 DEG

Mass. 1.764 Kg/m
Anod. Per. 607
Paint Per. 199
 $I_{xx} = 1766.90 \times 10^3 \text{ mm}^4$

NON STOCK ITEM
MINIMUM ORDER
QTY APPLIES

ECO106

VISIBLE SURFACES



AS466

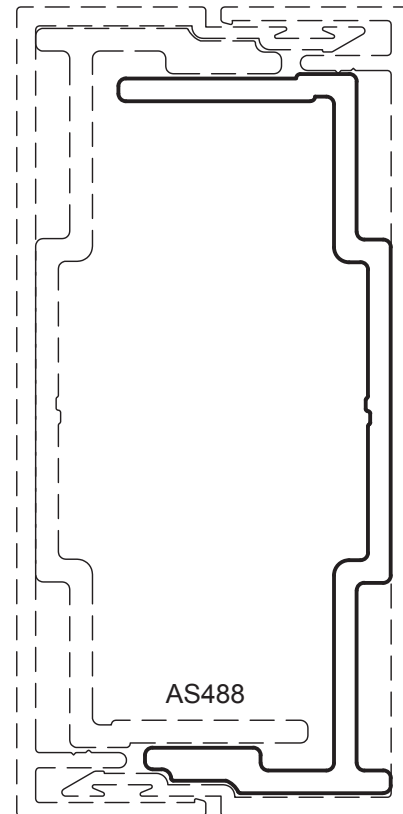
150mm SELF MATING
MULLION

Mass. 1.164 Kg/m

Anod. Per. 385

Paint Per. 172

$I_{xx} = 666.44 \times 10^3 \text{ mm}^4$



AS488

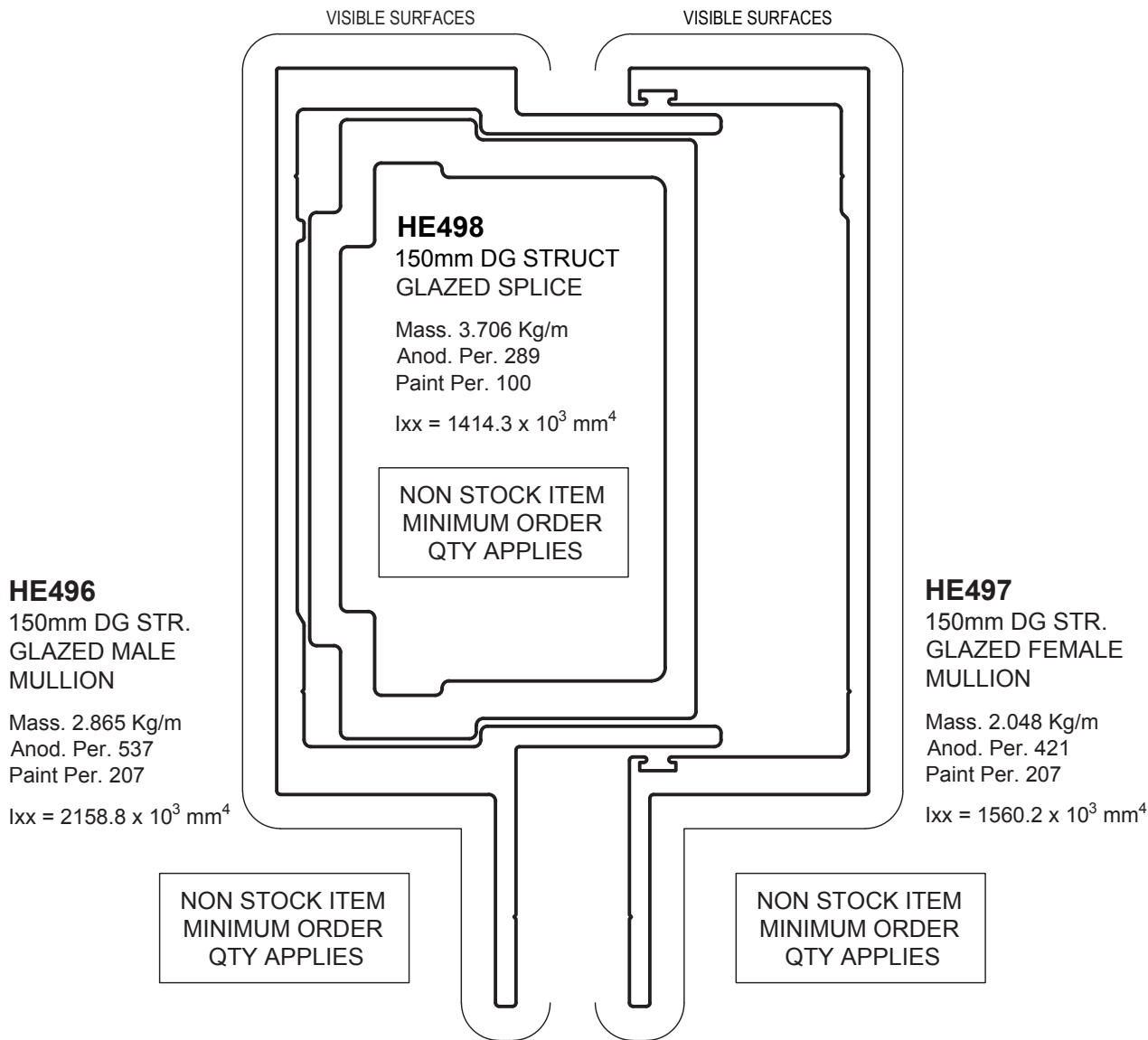
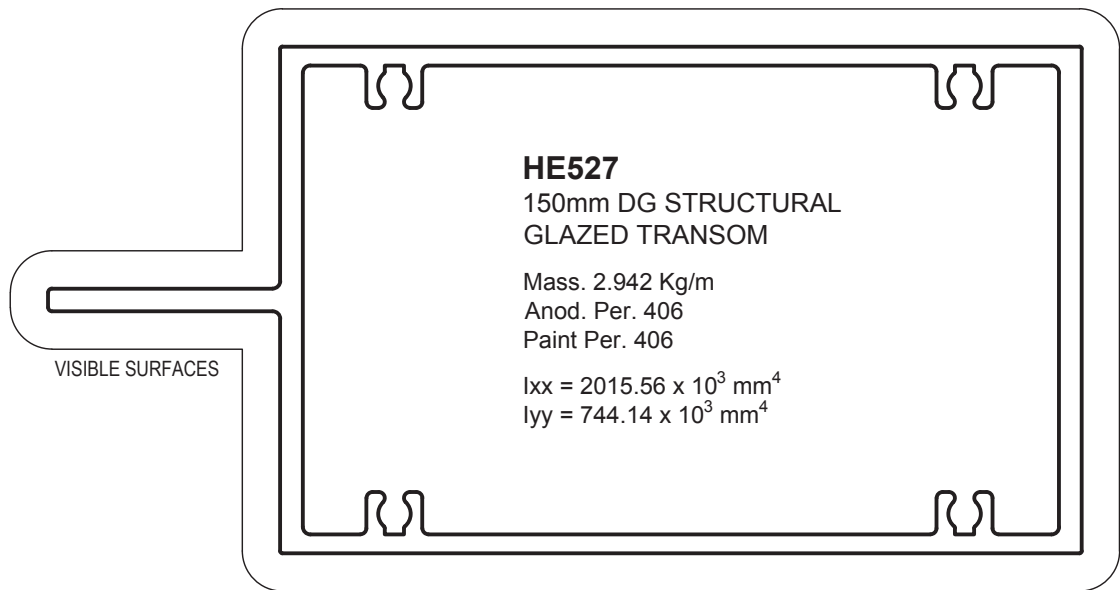
150mm SELF MATING
MULLION SPLICE

Mass. 1.374 Kg/m

Anod. Per. 326

NO VISIBLE SURFACE

$I_{xx} = 624.09 \times 10^3 \text{ mm}^4$



HE544

150mm DG STRUCTURAL
GLAZED MALE MULLION (100°)

Mass. 2.843 Kg/m

Anod. Per. 683

Paint Per. 384

$I_{xx} = 3902.61 \times 10^3 \text{ mm}^4$

HE545

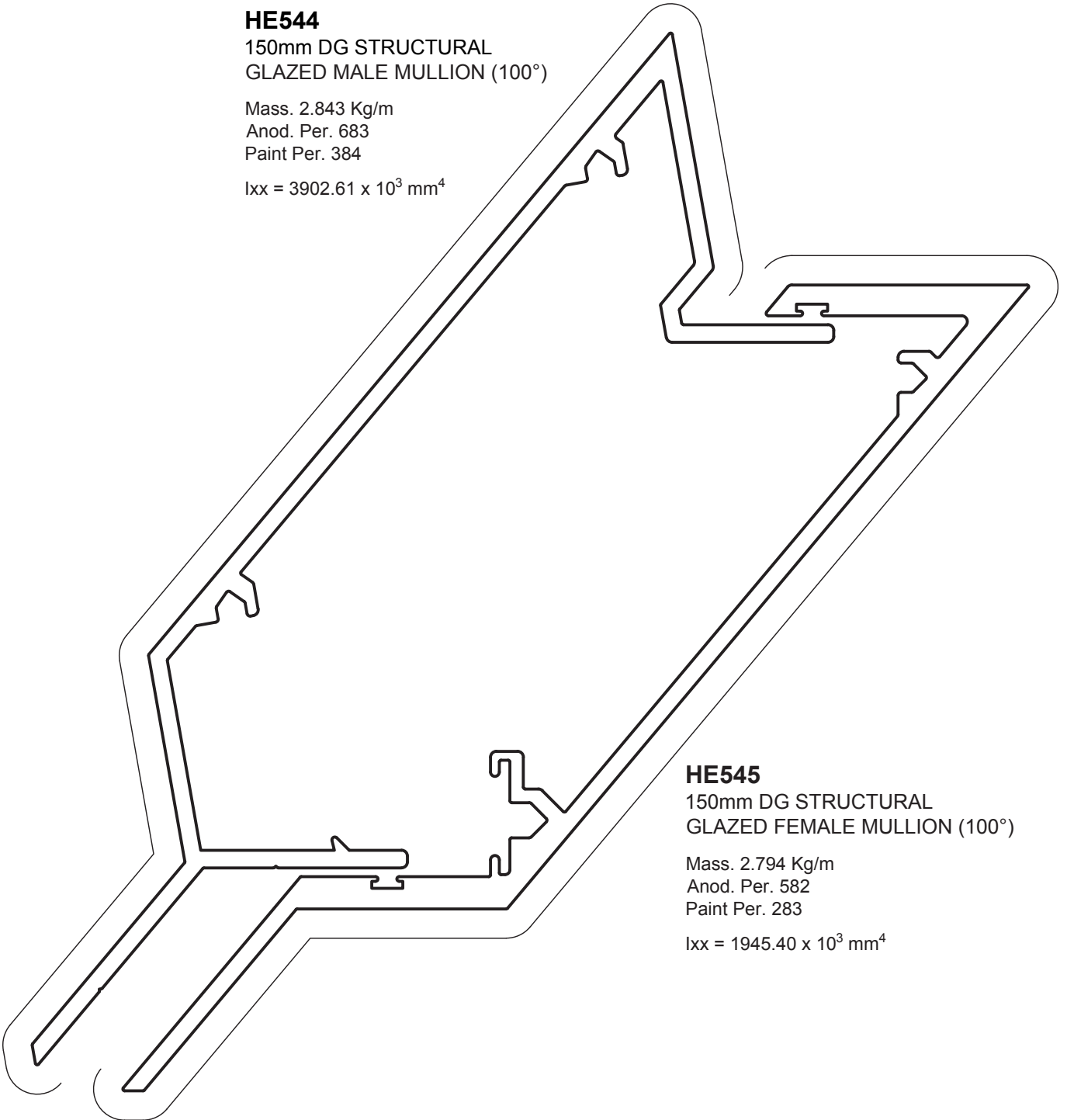
150mm DG STRUCTURAL
GLAZED FEMALE MULLION (100°)

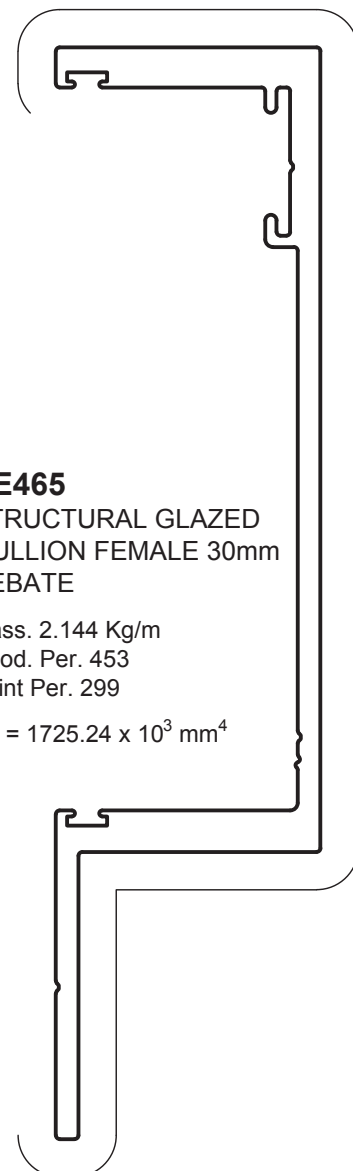
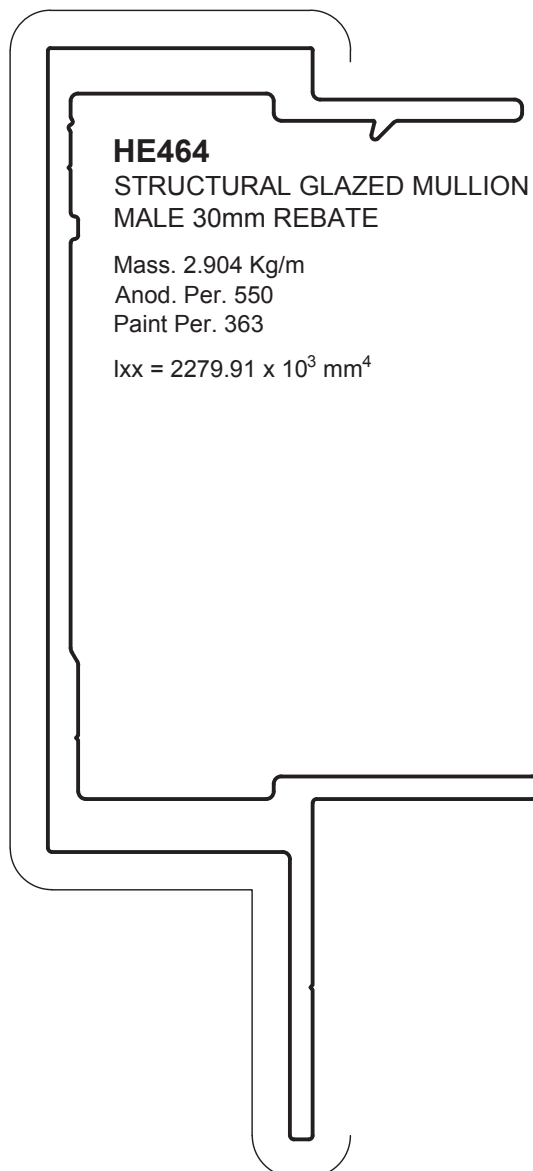
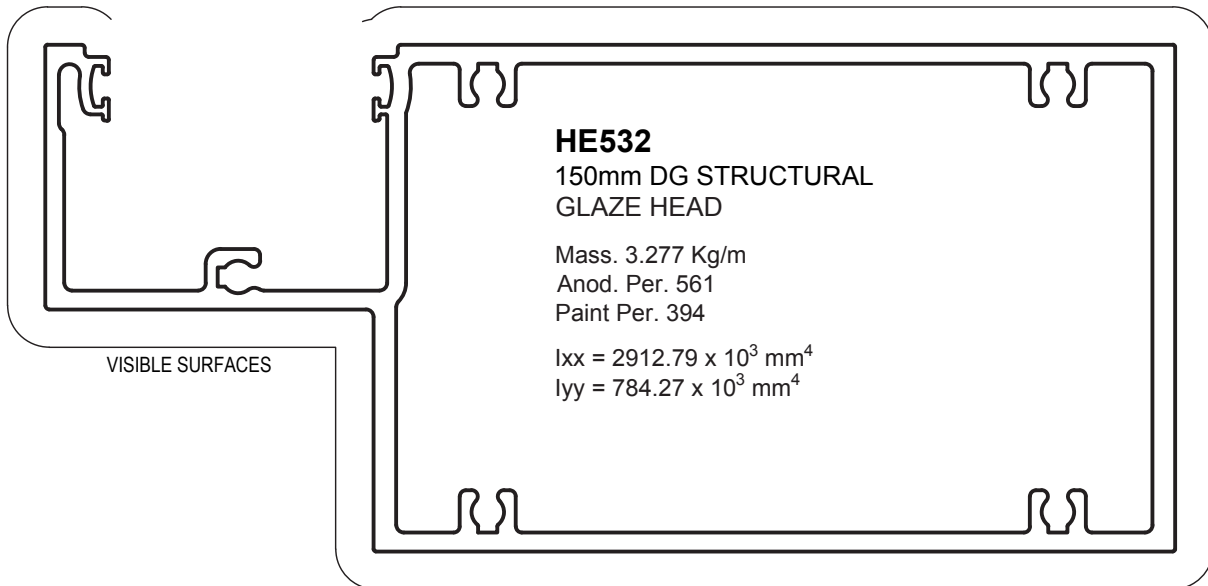
Mass. 2.794 Kg/m

Anod. Per. 582

Paint Per. 283

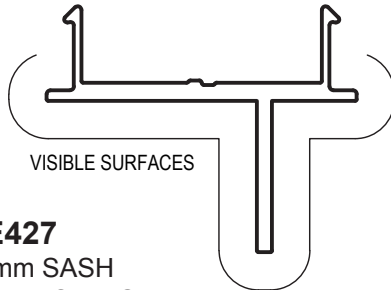
$I_{xx} = 1945.40 \times 10^3 \text{ mm}^4$





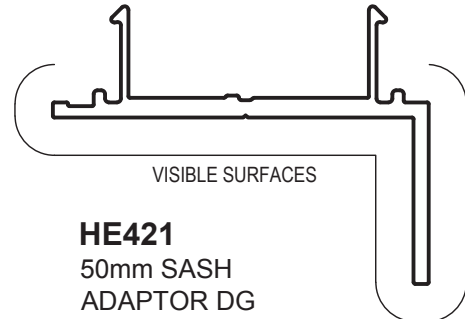


5. Extrusions



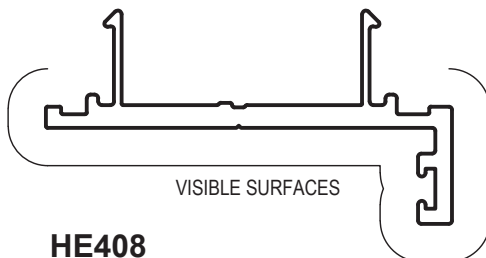
HE427
35mm SASH
ADAPTOR DG

Mass. 0.418 Kg/m
Anod. Per. 169
Paint Per. 100



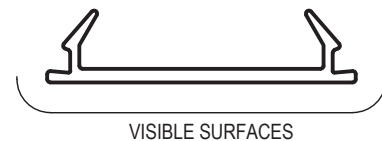
HE421
50mm SASH
ADAPTOR DG

Mass. 0.525 Kg/m
Anod. Per. 205
Paint Per. 100



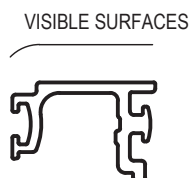
HE408
45mm DOOR STOP DG

Mass. 0.601 Kg/m
Anod. Per. 211
Paint Per. 100



ECO208R
FLUSH POCKET
INFILL DG

Mass. 0.253 Kg/m
Anod. Per. 119
Paint Per. 100



HE430
SINGLE GLAZE
ADAPTOR

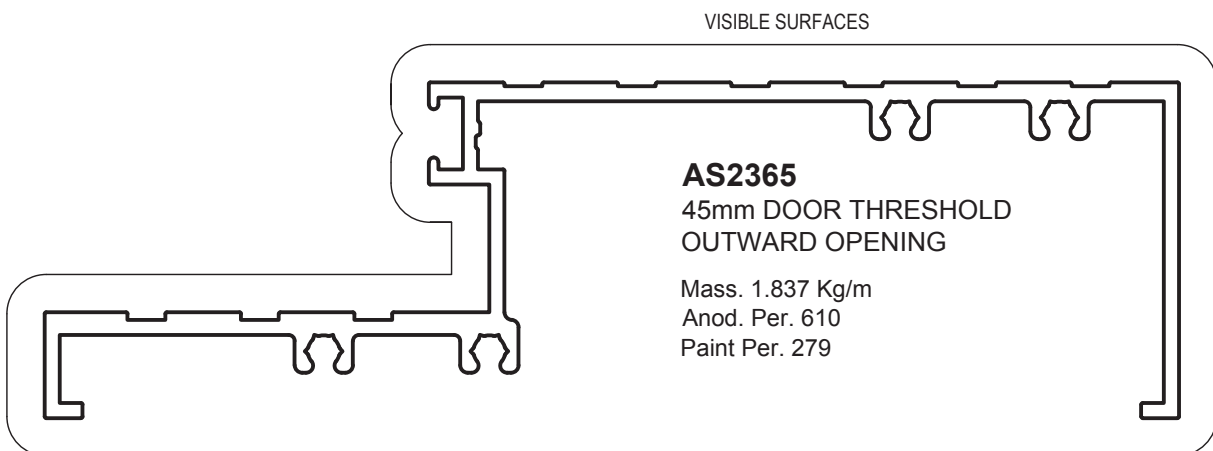
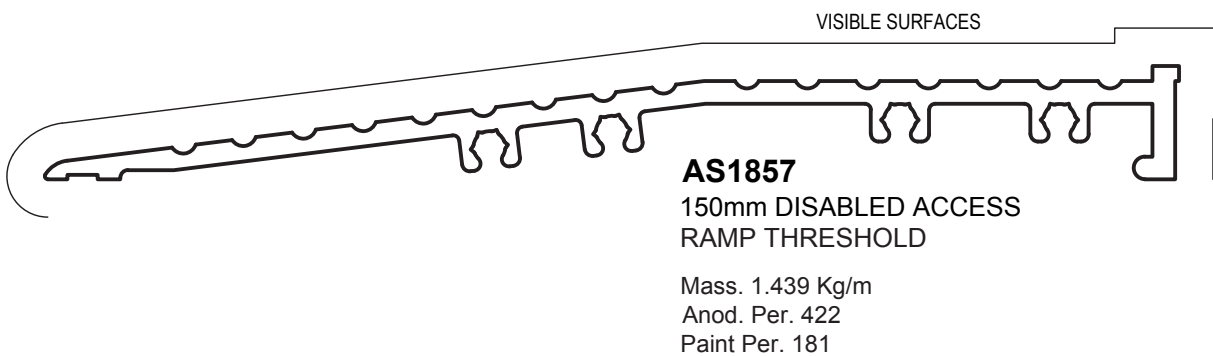
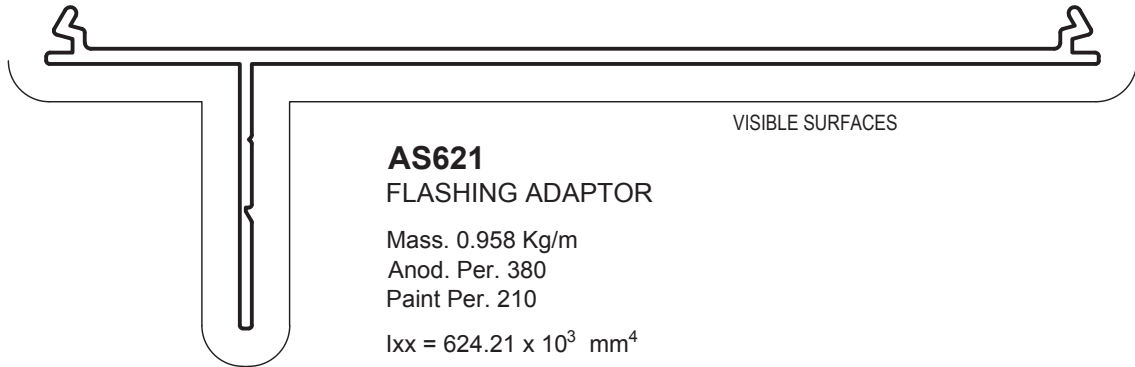
Mass. 0.192 Kg/m
Anod. Per. 111
Paint Per. 100

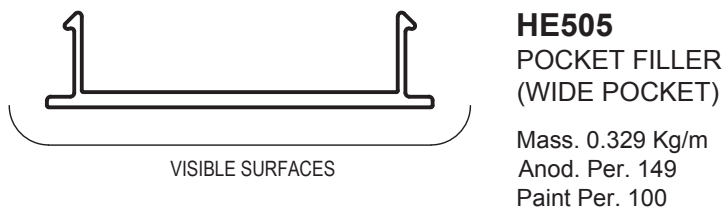
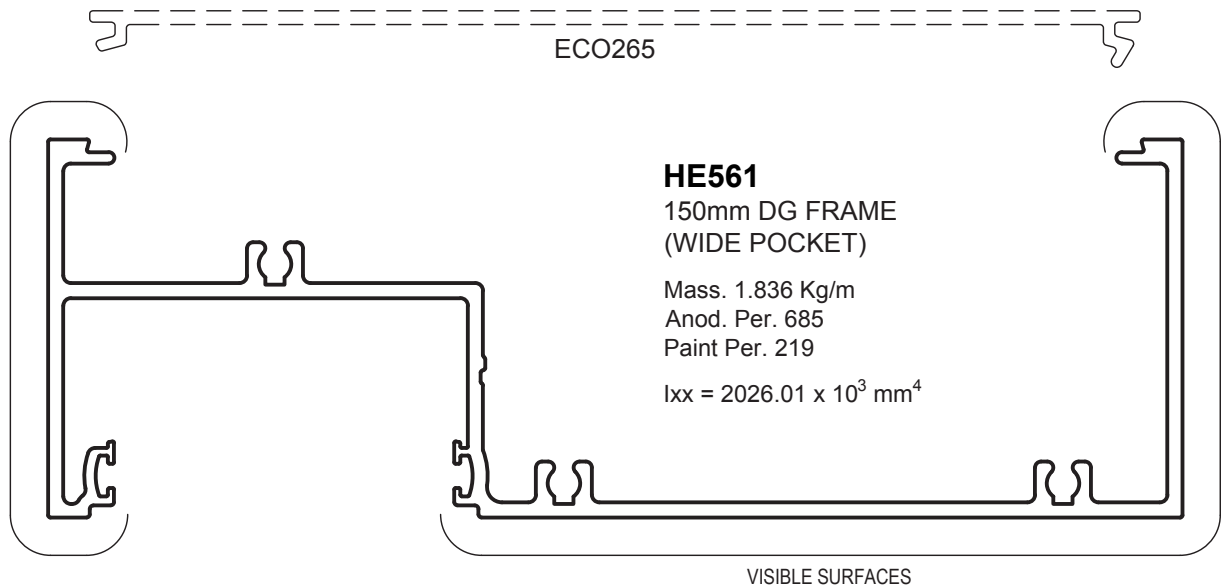


ECO123
GLAZING
ADAPTOR

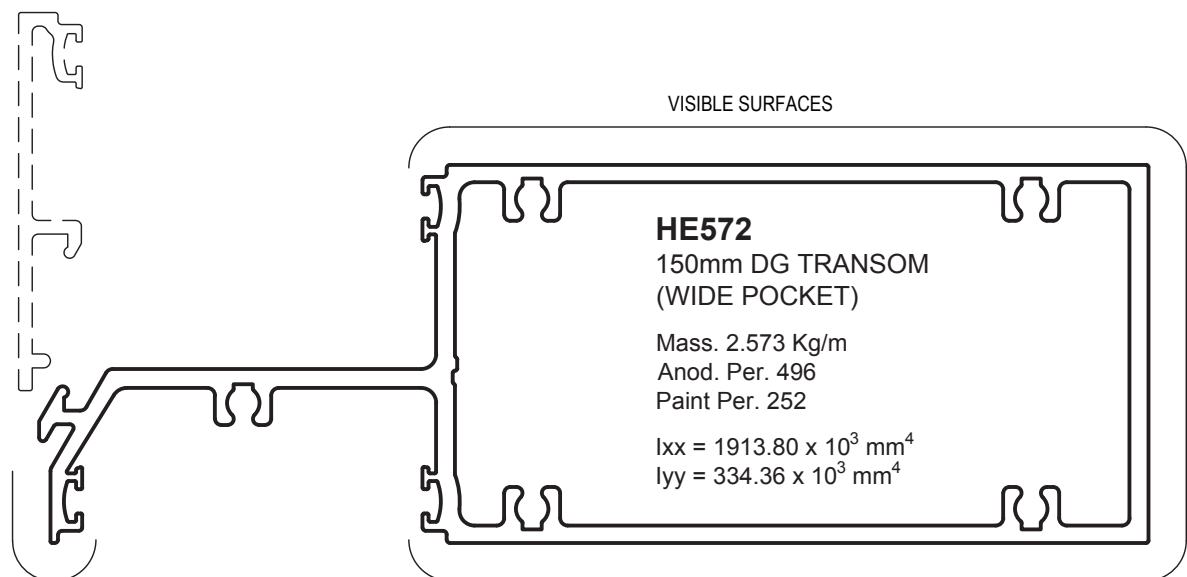
Mass. 0.118 Kg/m
Anod. Per. 100
Paint Per. 100

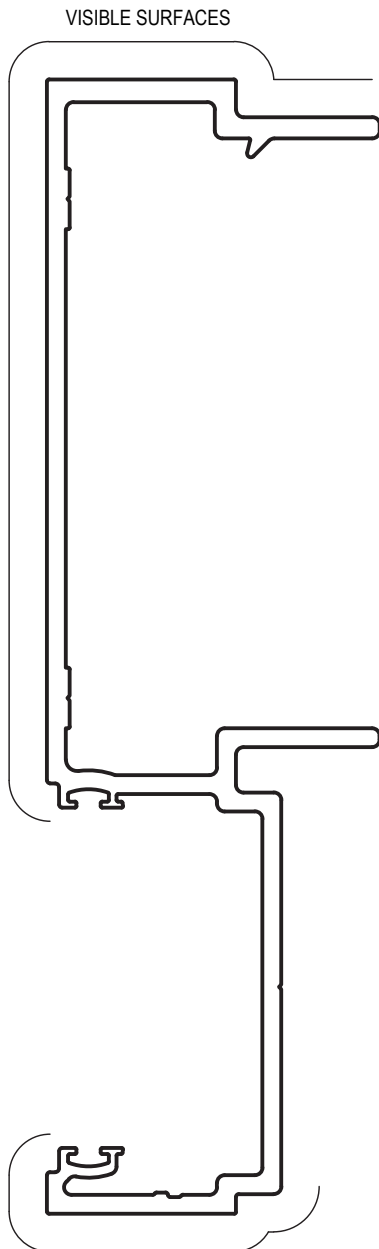
5. Extrusions





HE313



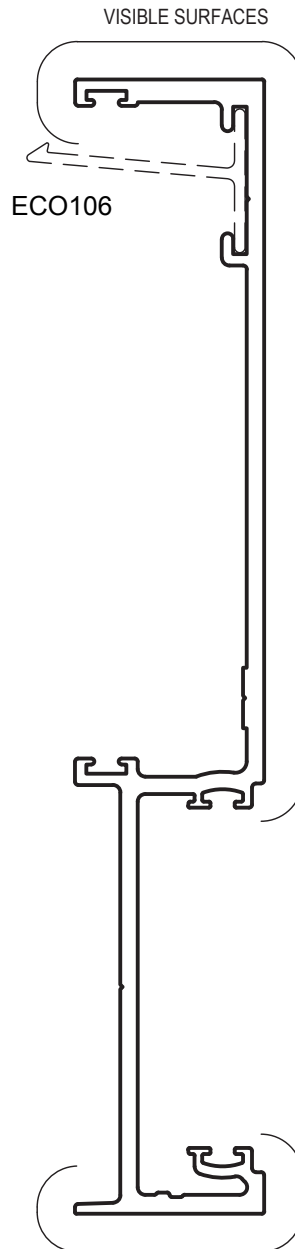


HE562

150mm DG MALE MULLION
(WIDE POCKET)

Mass. 2.053 Kg/m
Anod. Per. 604
Paint Per. 158

$I_{xx} = 1957.34 \times 10^3 \text{ mm}^4$

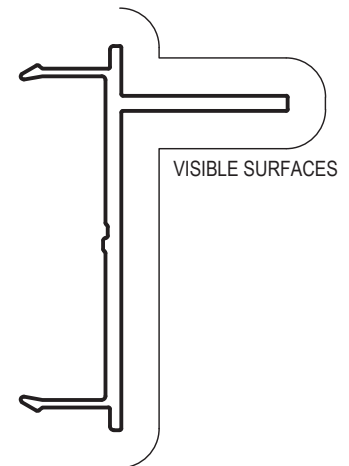


HE563

150mm DG FEMALE MULLION
(WIDE POCKET)

Mass. 1.532 Kg/m
Anod. Per. 521
Paint Per. 158

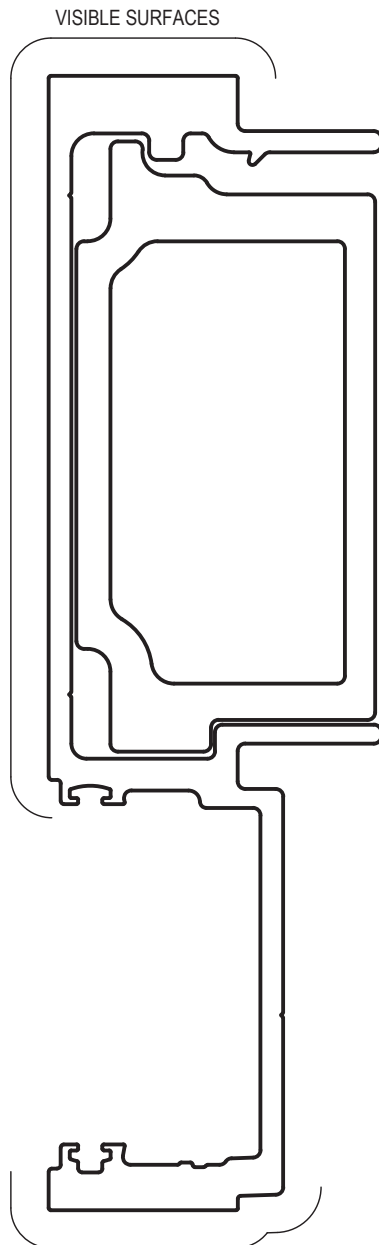
$I_{xx} = 1461.08 \times 10^3 \text{ mm}^4$



HE586

50mm SASH ADAPTOR
(WIDE POCKET)

Mass. 0.462 Kg/m
Anod. Per. 194
Paint Per. 100



HE580

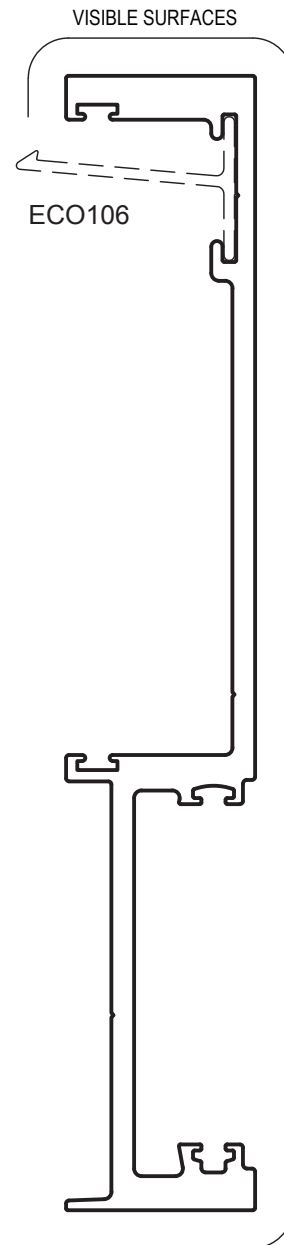
150mm MULLION
SPLICE WIDE
POCKET

Mass. 2.788 Kg/m

Anod. Per. 231

Paint Per. 231

$I_{xx} = 2103.3 \times 10^3 \text{ mm}^4$



HE579

150mm FEMALE H.D.
MULLION (WIDE POCKET)

Mass. 2.072 Kg/m

Anod. Per. 495

Paint Per. 153

$I_{xx} = 2023.9 \times 10^3 \text{ mm}^4$

HE578

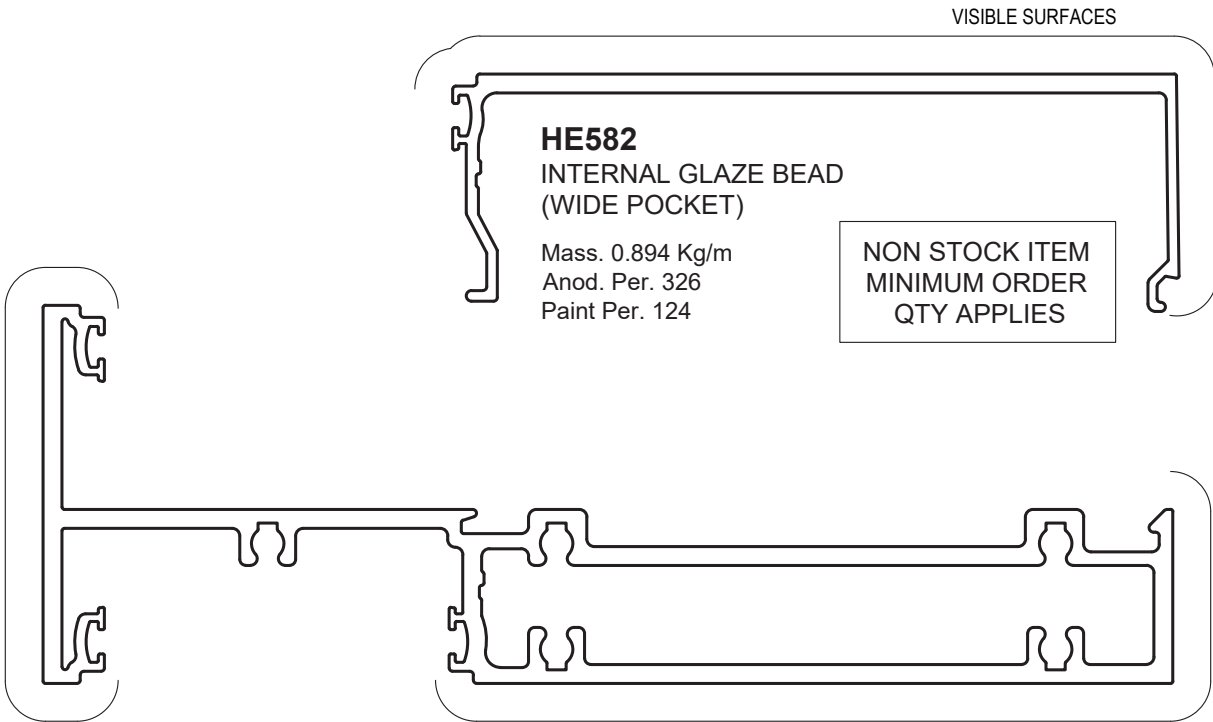
150mm MALE H.D.
MULLION (WIDE POCKET)

Mass. 2.824 Kg/m

Anod. Per. 574

Paint Per. 157

$I_{xx} = 2945.3 \times 10^3 \text{ mm}^4$

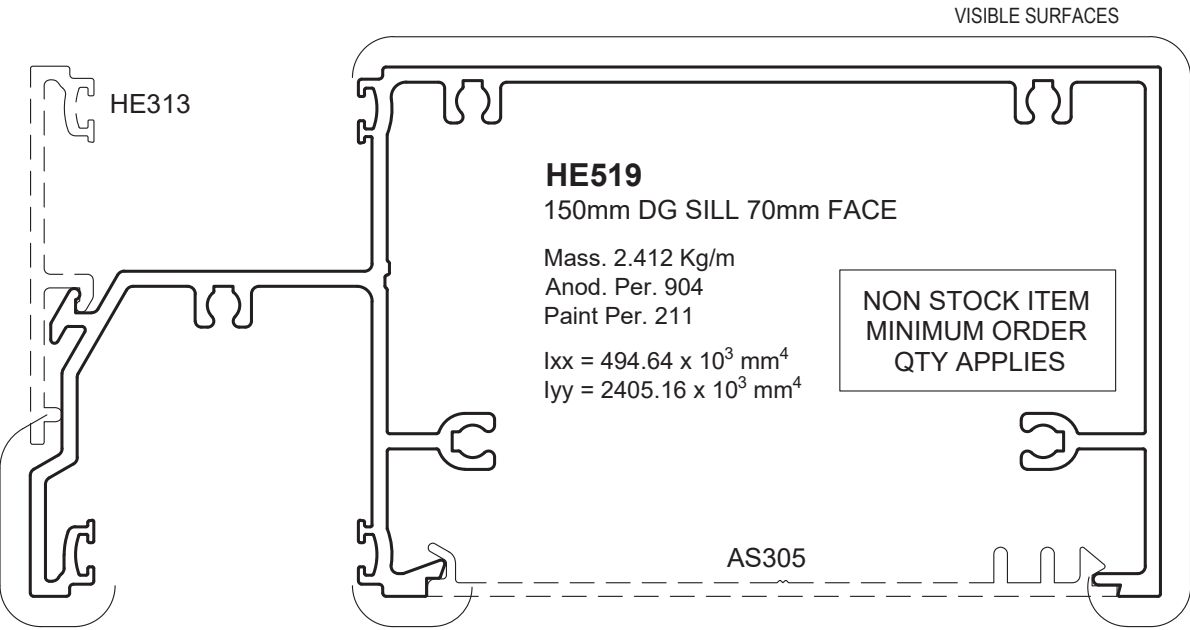


HE581
INTERNAL GLAZE TRANSOM
(WIDE POCKET)

Mass. 2.559 Kg/m
Anod. Per. 563
Paint Per. 176

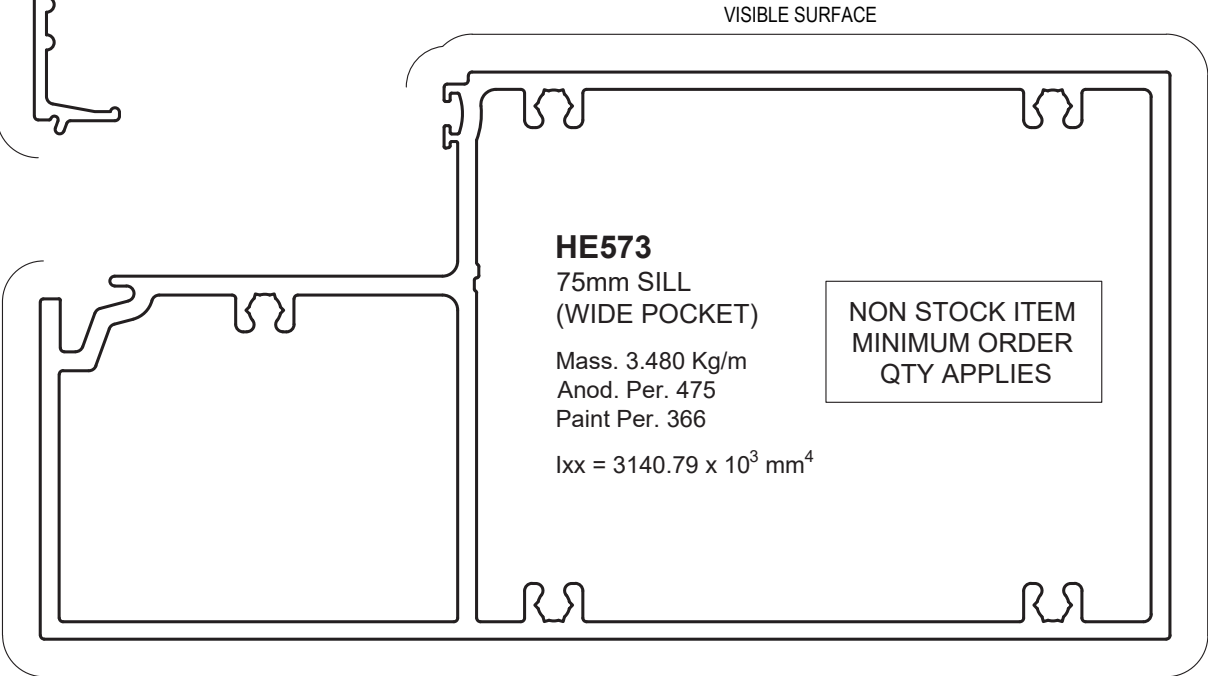
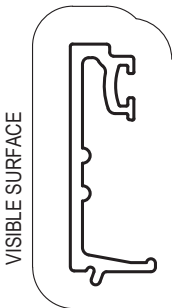
$I_{xx} = 2292.2 \times 10^3 \text{ mm}^4$
 $I_{yy} = 124.4 \times 10^3 \text{ mm}^4$

NON STOCK ITEM
MINIMUM ORDER
QTY APPLIES



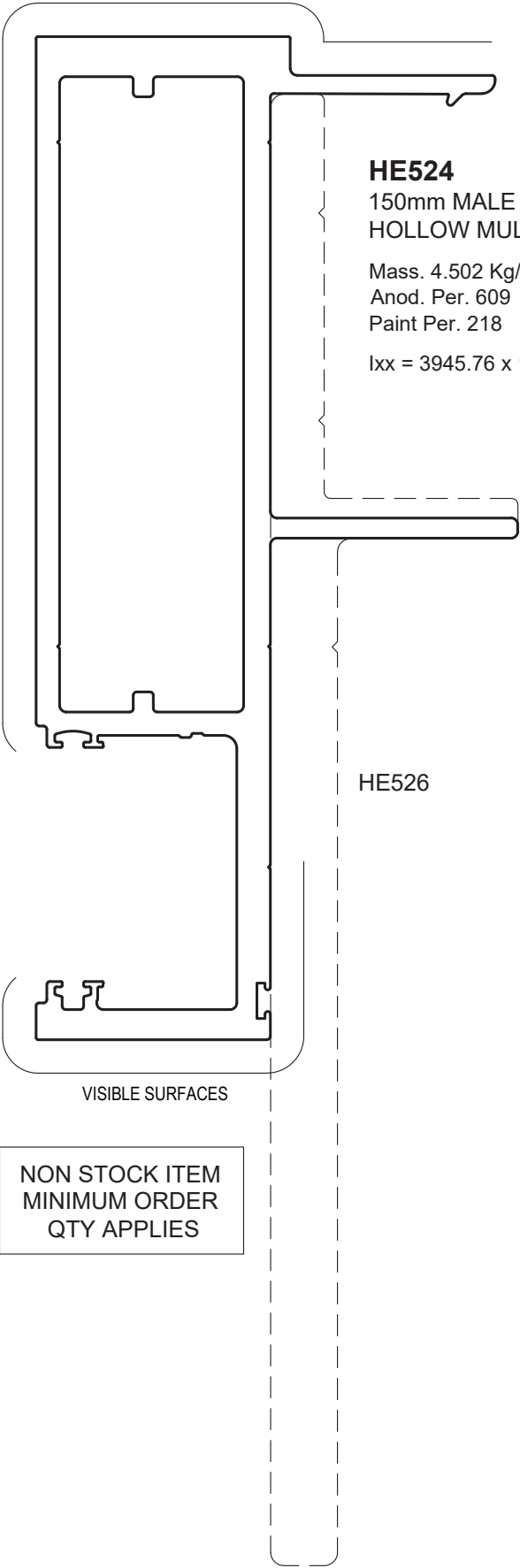
HE415
HUNTER EVO
GLAZING BEAD

Mass. 0.256 Kg/m
Anod. Per. 122
Paint Per. 100





5. Extrusions



HE524
150mm MALE DG
HOLLOW MULLION

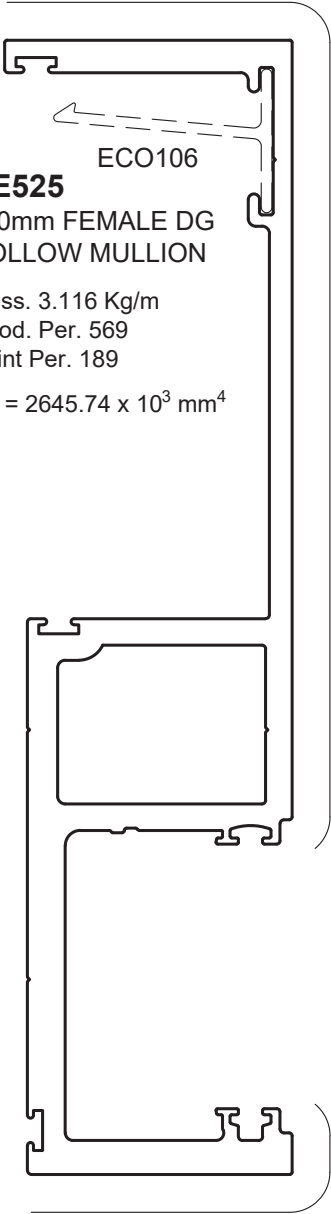
Mass. 4.502 Kg/m
Anod. Per. 609
Paint Per. 218

$I_{xx} = 3945.76 \times 10^3 \text{ mm}^4$

HE526

VISIBLE SURFACES

NON STOCK ITEM
MINIMUM ORDER
QTY APPLIES



ECO106

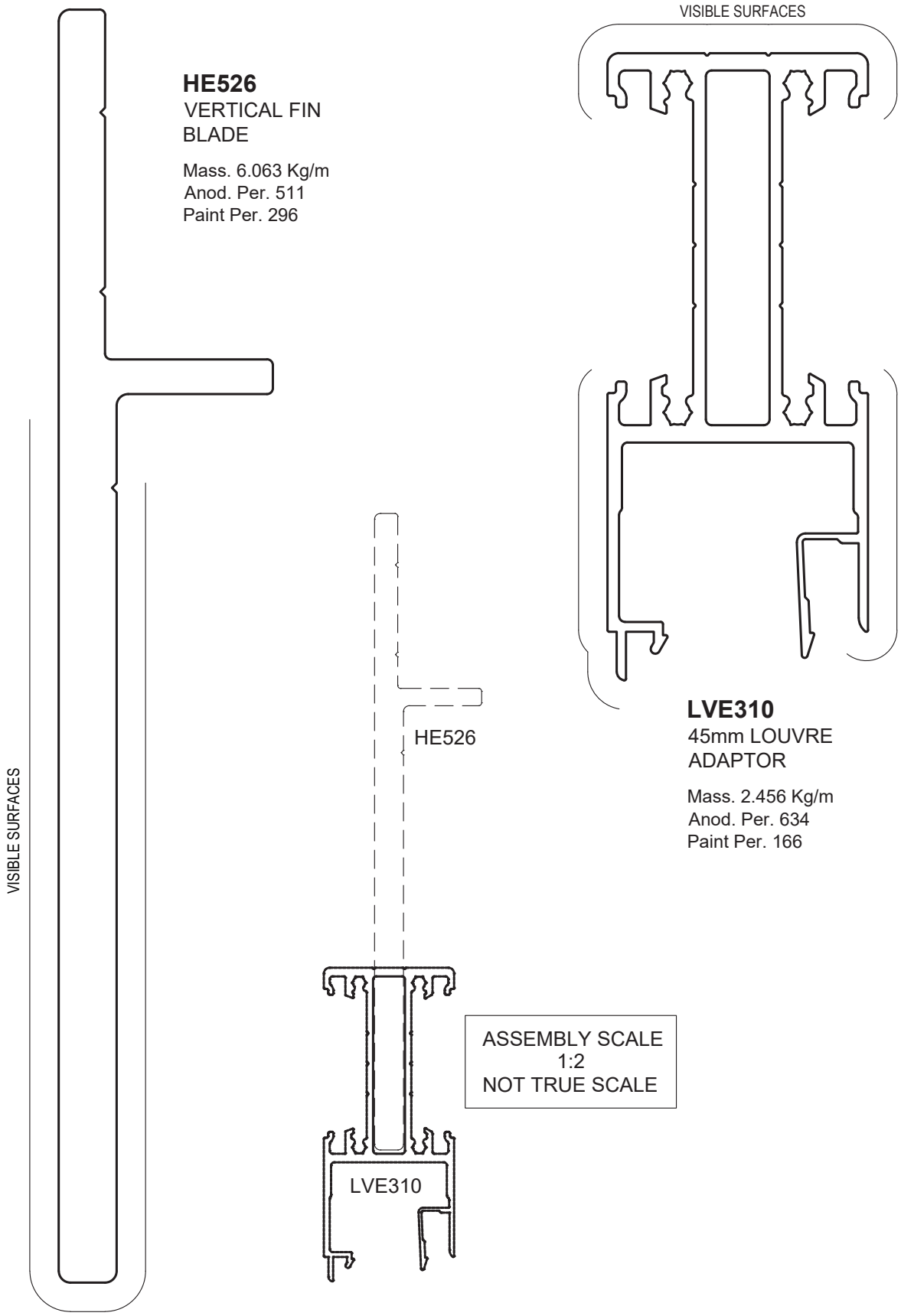
HE525
150mm FEMALE DG
HOLLOW MULLION

Mass. 3.116 Kg/m
Anod. Per. 569
Paint Per. 189

$I_{xx} = 2645.74 \times 10^3 \text{ mm}^4$

VISIBLE SURFACES

NON STOCK ITEM
MINIMUM ORDER
QTY APPLIES





6. Hardware & Components

Glazing Wedges

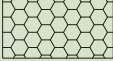
IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	3mm	PVC	1313055	GR43 GLAZING WEDGE (BROWN) (3mm GAP) PVC x 200m ROLL
		S/PRENE	1313063	GR43S GLAZING WEDGE (BROWN) (3mm GAP) S/PRENE x 200m ROLL
	4mm	PVC	1313056	GR44 GLAZING WEDGE (WHITE) (4mm GAP) PVC x 200m ROLL
		S/PRENE	1313064	GR44S GLAZING WEDGE (WHITE) (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

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

6. Hardware & Components

Seals

IMAGE	PART #	FINISH	DESCRIPTION
	1376079	BLACK (034)	CE308 CO-EXT DOOR BUFFER S/PRENE x 200m ROLL
	1376449	BLACK (034)	MS6 MULLION SEAL PVC x 200m
	1376402	BLACK (034)	DB1 DOOR STOP RUBBER x 100m
	1376403	GREY (036)	DB1 DOOR STOP RUBBER GREY x 200m
	1378140	MILL (001)	ECO106 MULLION CLIP x 150mm 6106 T6
	1376452	BLACK (034)	MS1B MULLION RUBBER x 100m
	1376413	BLACK (034)	LIP SEAL 4.8mm x 200m
	1378182	BLACK (034)	HE007 6.4mm x 9mm SPACER TAPE x 15m
	1378183	BLACK (034)	HE008 6.4mm x 12mm SPACER TAPE x 15m

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

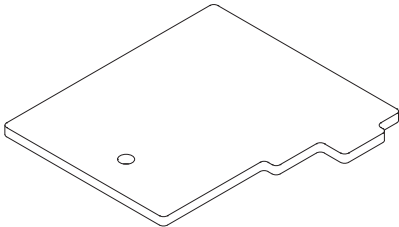
Frame Joint Gaskets

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

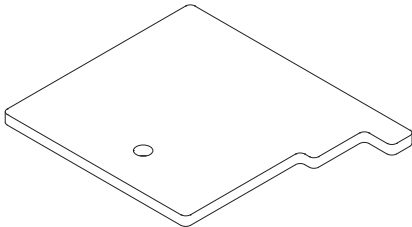


6. Hardware & Components

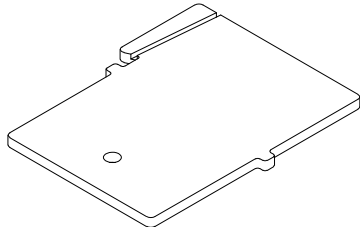
Accessories



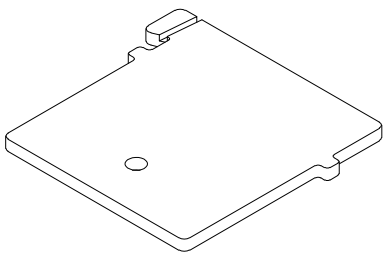
HE005 POCKET STOP TO SUIT HE561 & HE562	
PART	1378176
FINISH	NOT SPECIFIED (099)
QTY	EACH



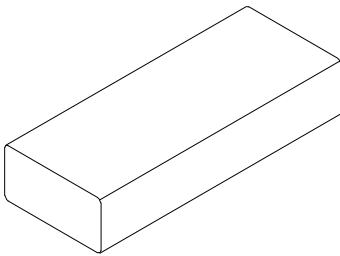
HE006 POCKET STOPS TO SUIT HE563	
PART	1378177
FINISH	NOT SPECIFIED (099)
QTY	EACH



HE003 POCKET STOP x 50	
PART	1378196
FINISH	NOT SPECIFIED (099)
QTY	BAG



HE004 POCKET STOP x 50	
PART	1378197
FINISH	NOT SPECIFIED (099)
QTY	BAG



SETTING BLOCK 15x30x75mm	
PART	1376733
FINISH	BLACK (034)
QTY	BAG OF 50

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

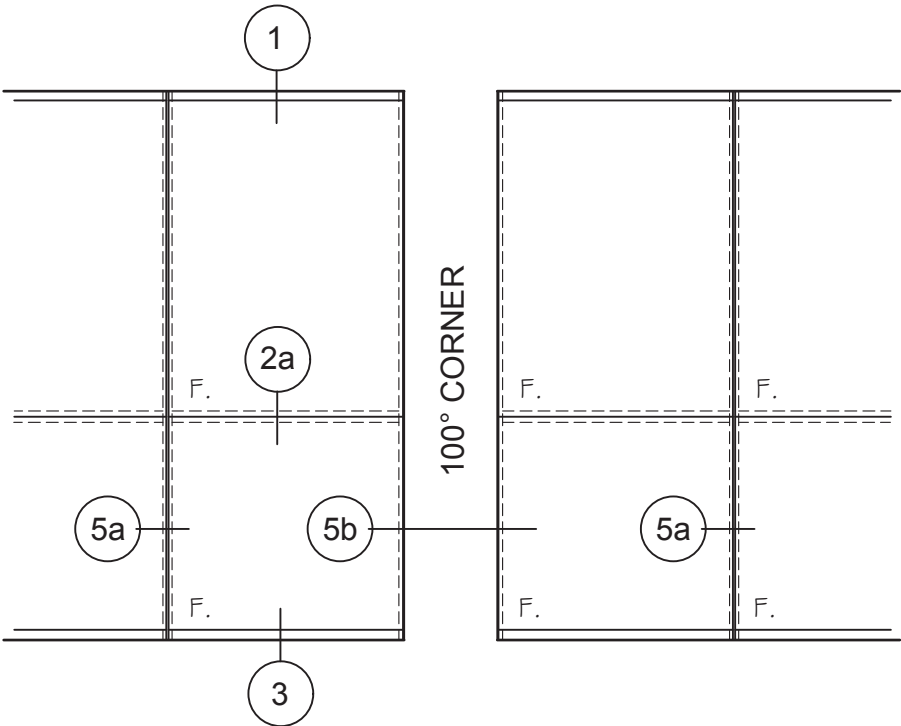
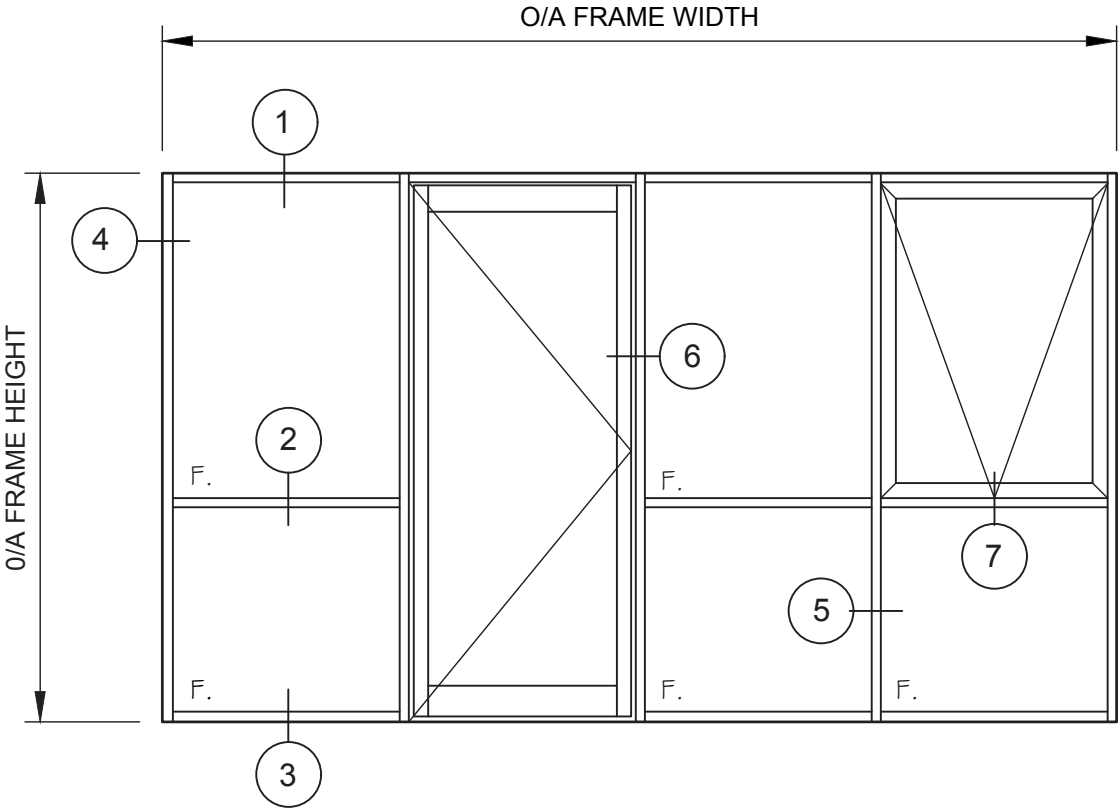
*For more information on silicones,
please refer to Alspec Silicone Brochure.



6. Hardware & Components

Silicone Product Codes

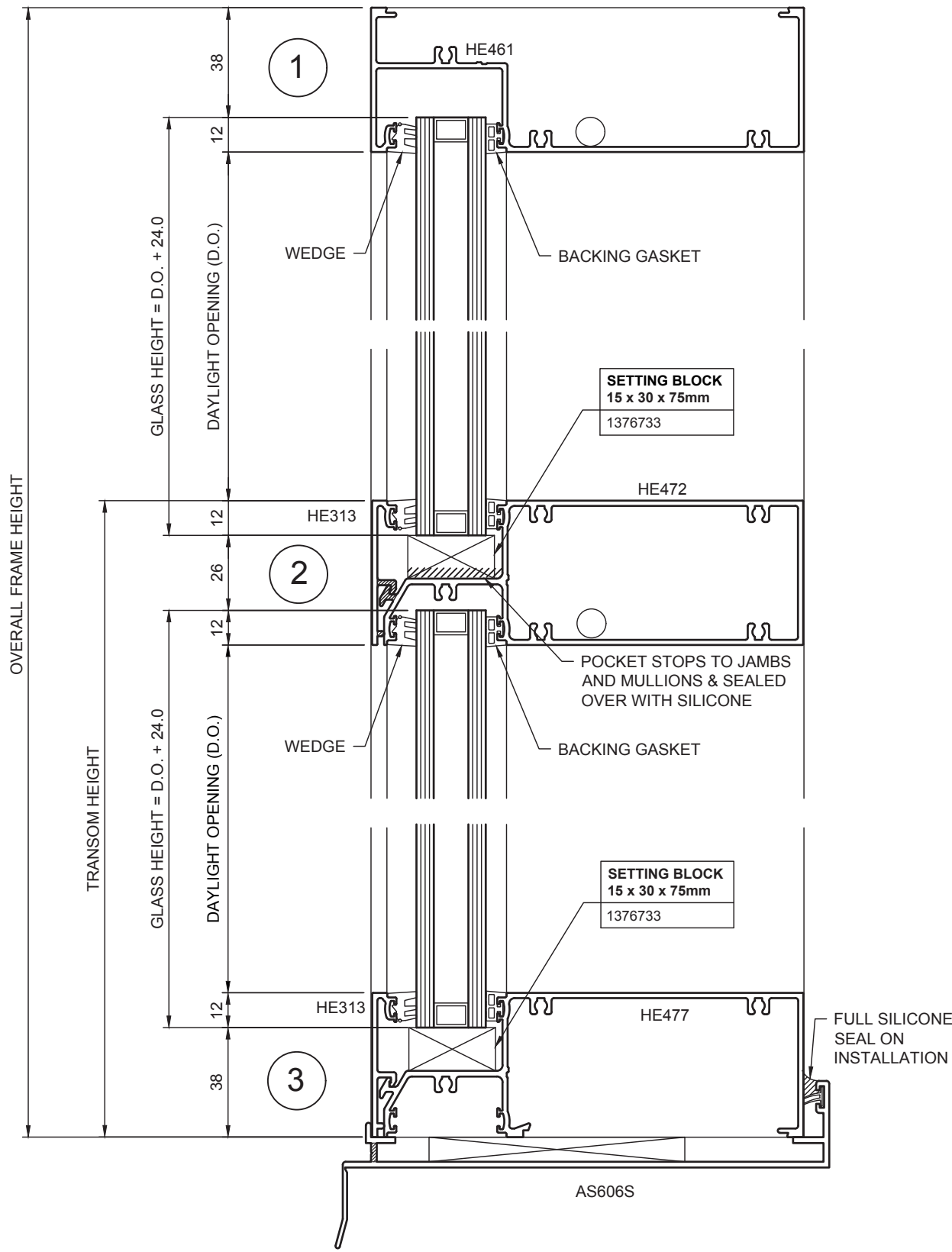
Product Category	Item No.	Alspec Part No. Code	Description	Finish	Pack
ALSPEC 100%	1	1386113	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALMOND IVORY	CARTRIDGE
	2	1386114	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALUMINIUM	CARTRIDGE
	3	1386105	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	BLACK	CARTRIDGE
	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
ALSPEC HYBRID PU	27	1386124	ALSPEC D60 SILICONE x 310g CAT	WHITE	CARTRIDGE
	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
ALSPEC WET AREA	33	1386129	ALSPEC HYBRID PU x 600ml SAU	WHITE	SAUSAGE
	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

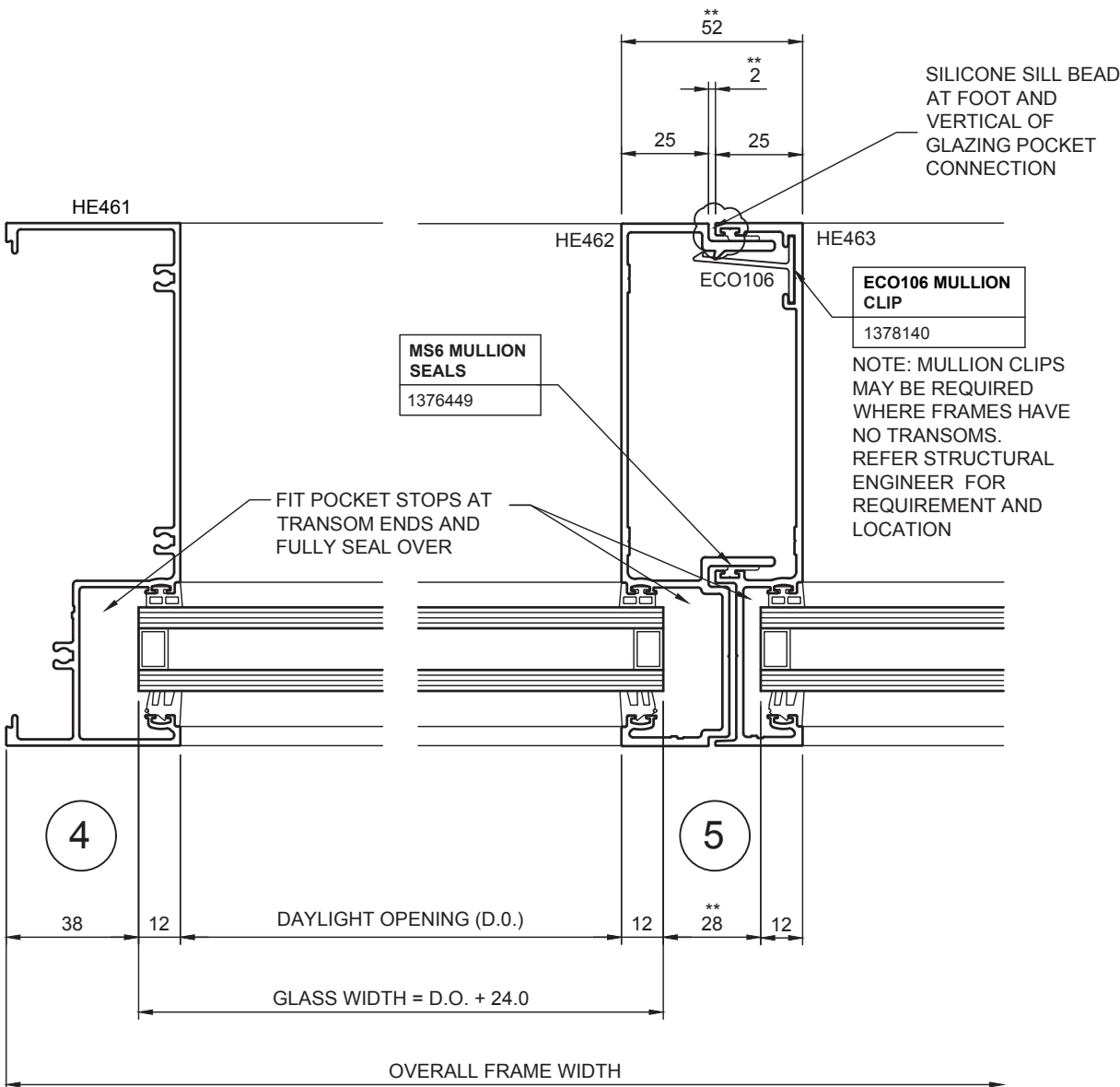
Typical Head, Transom and Sill Details



8. Typical Details

Typical Jamb/ Mullion Details

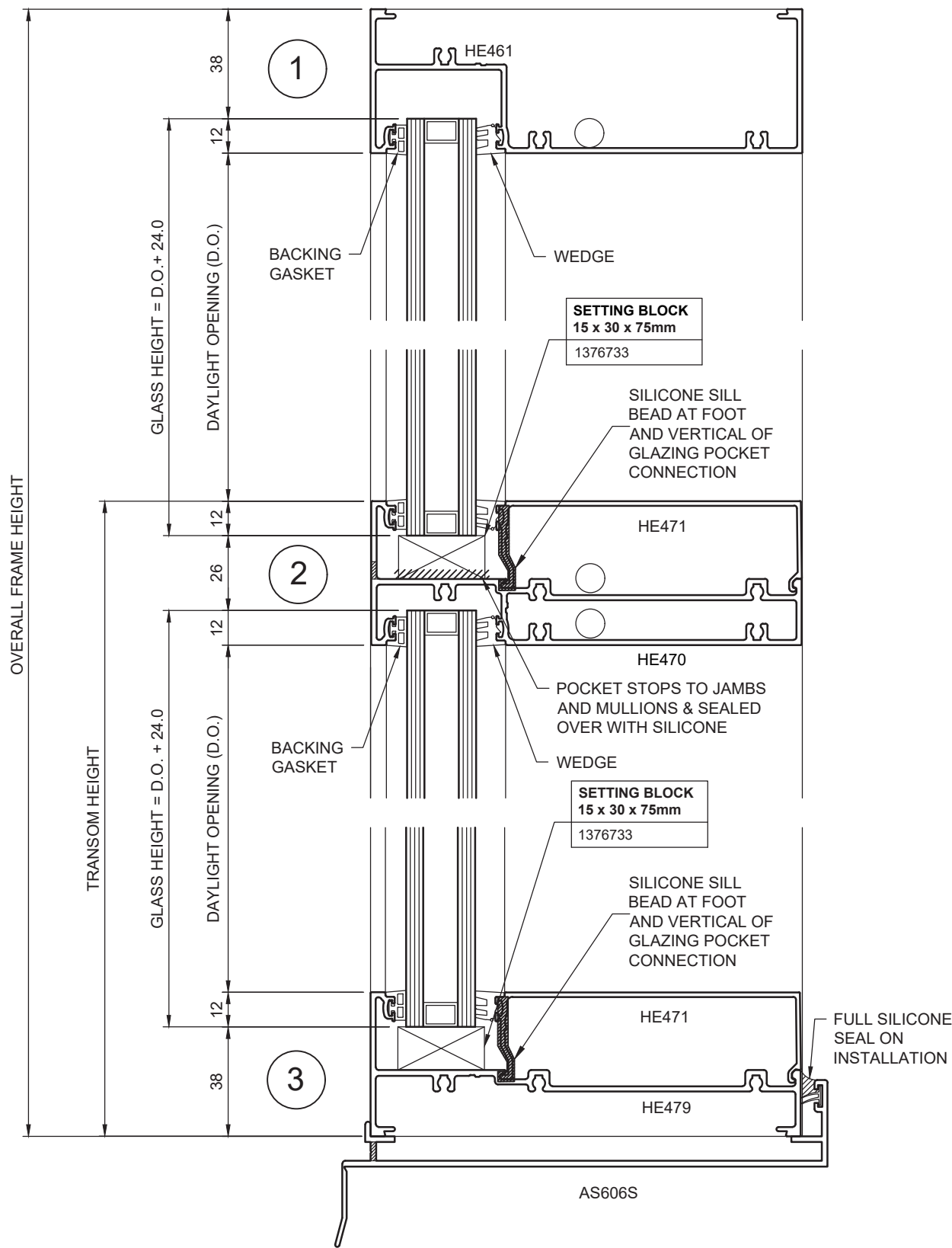
** NOMINAL DIMENSIONS ONLY. MAY VARY DUE TO PROJECT REQUIREMENTS





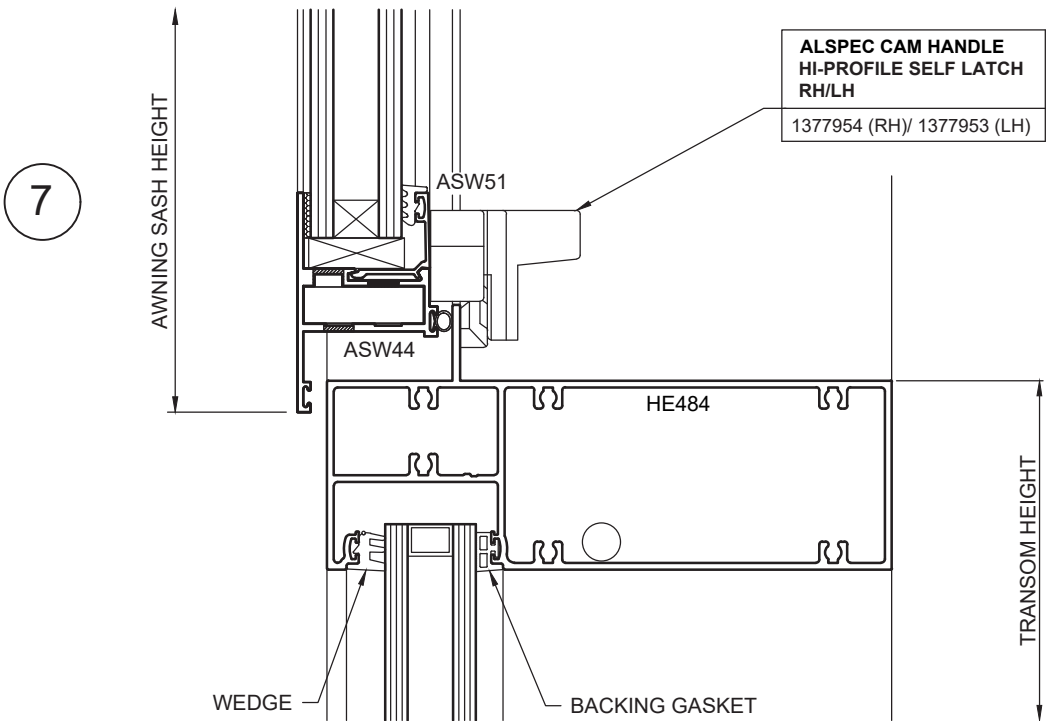
8. Typical Details

Typical Head, Transom and Sill Details - Internal Glaze

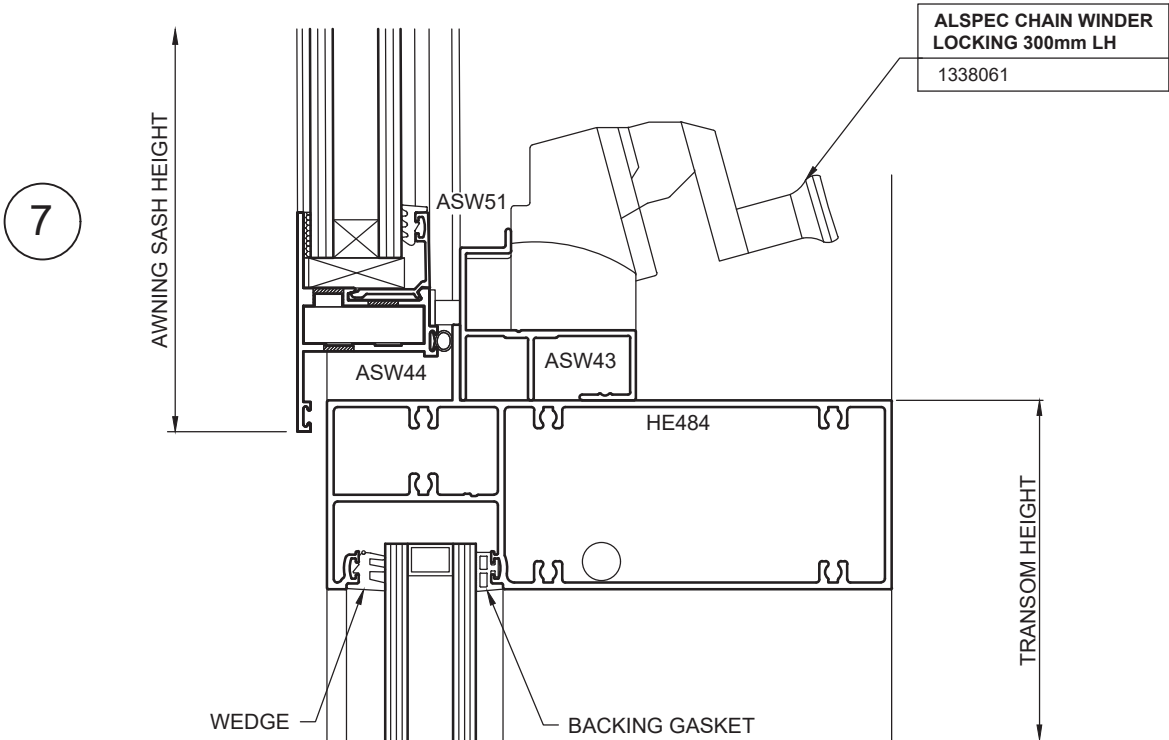


8. Typical Details

Typical Transom Details - 35mm Awning / Fixed

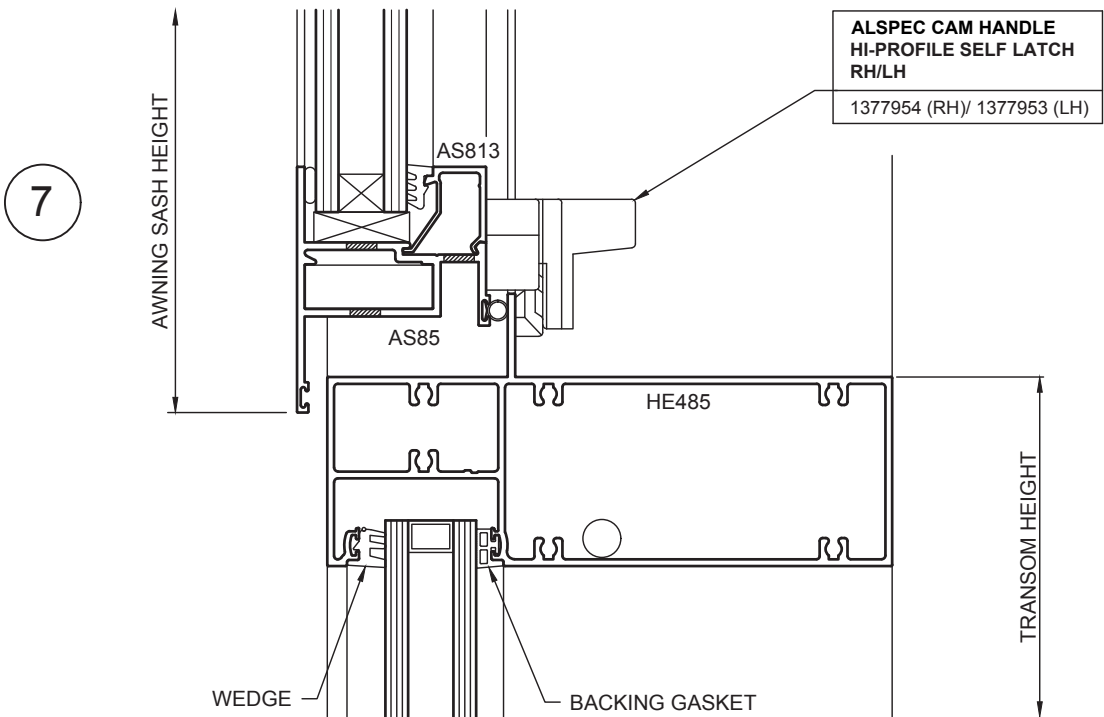


NOTE:
REFER TO AWNING/
CASEMENT TECH MANUALS
FOR FULL DETAILS & RANGE
OF HARDWARES

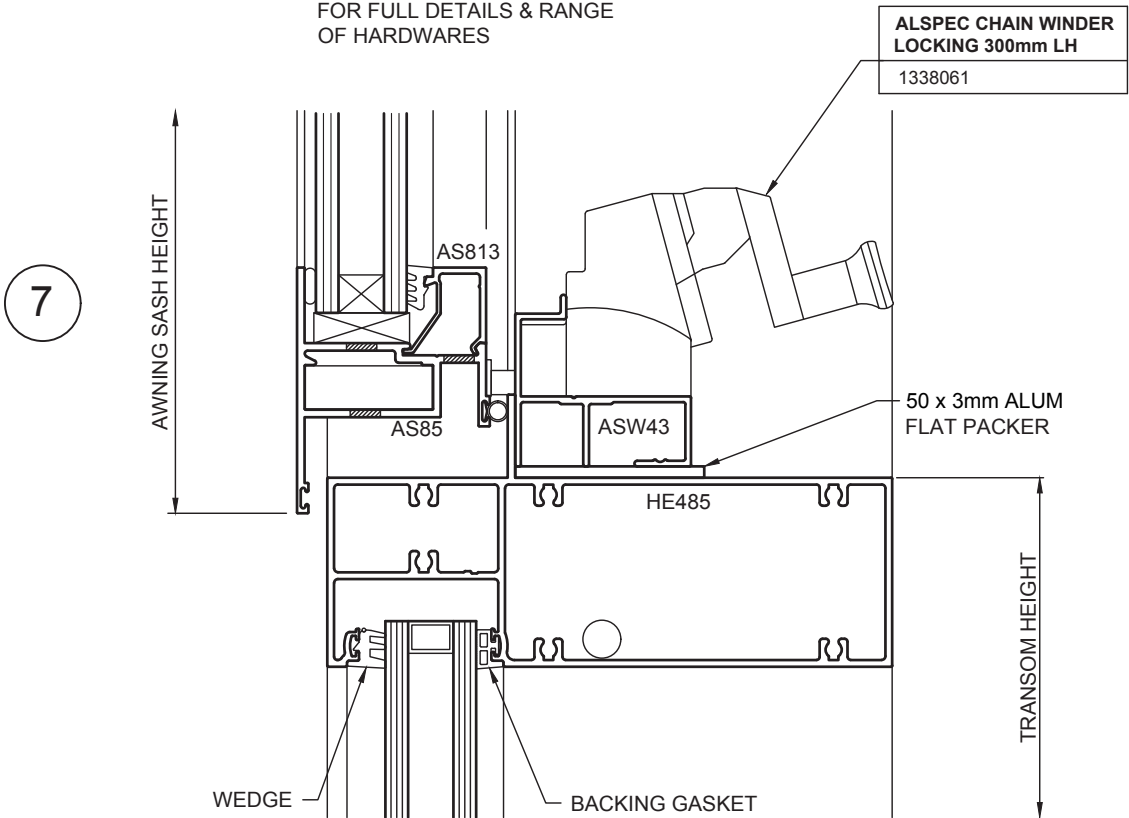


8. Typical Details

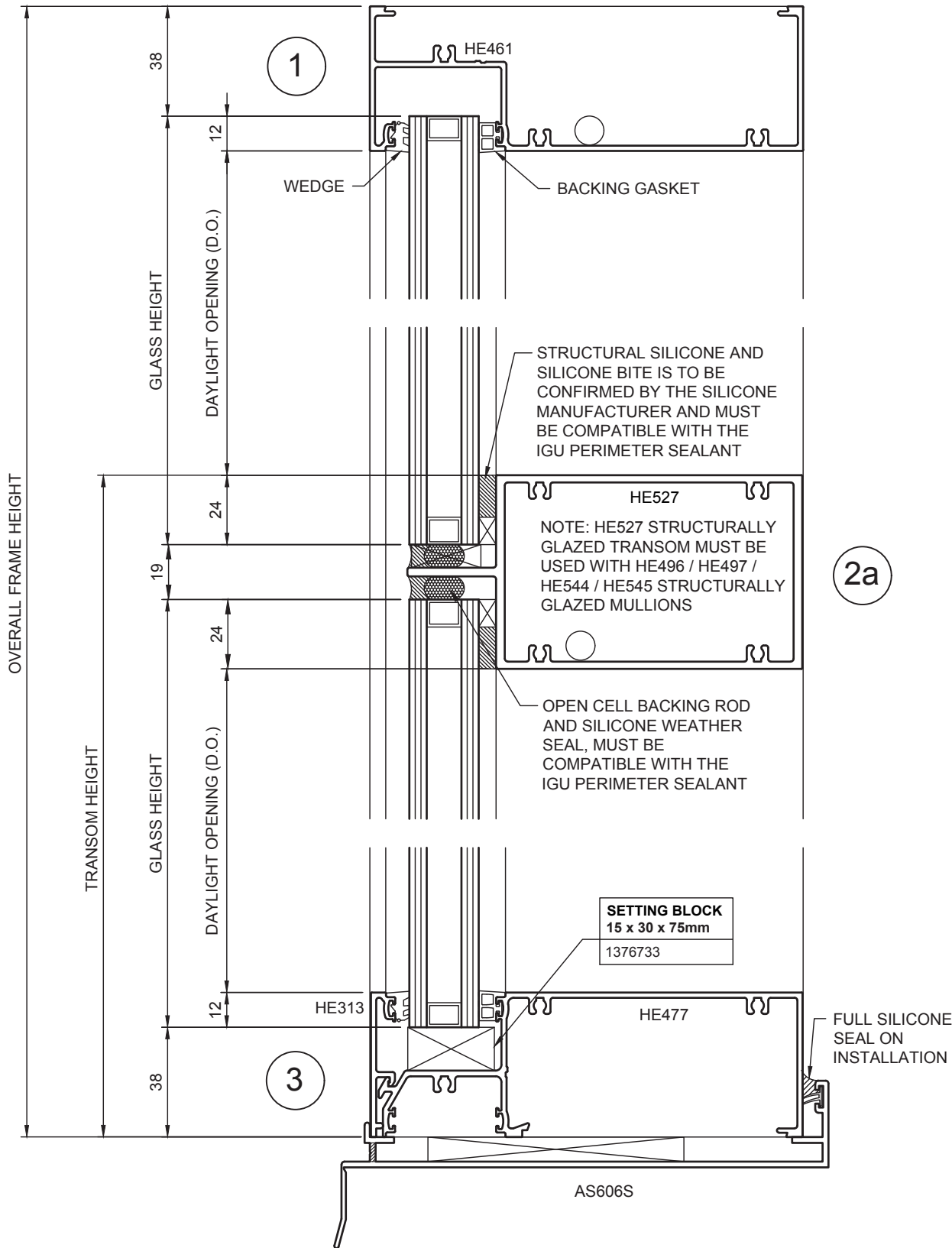
Typical Transom Details - 50mm Awning / Fixed



NOTE:
REFER TO AWNING/
CASEMENT TECH MANUALS
FOR FULL DETAILS & RANGE
OF HARDWARES



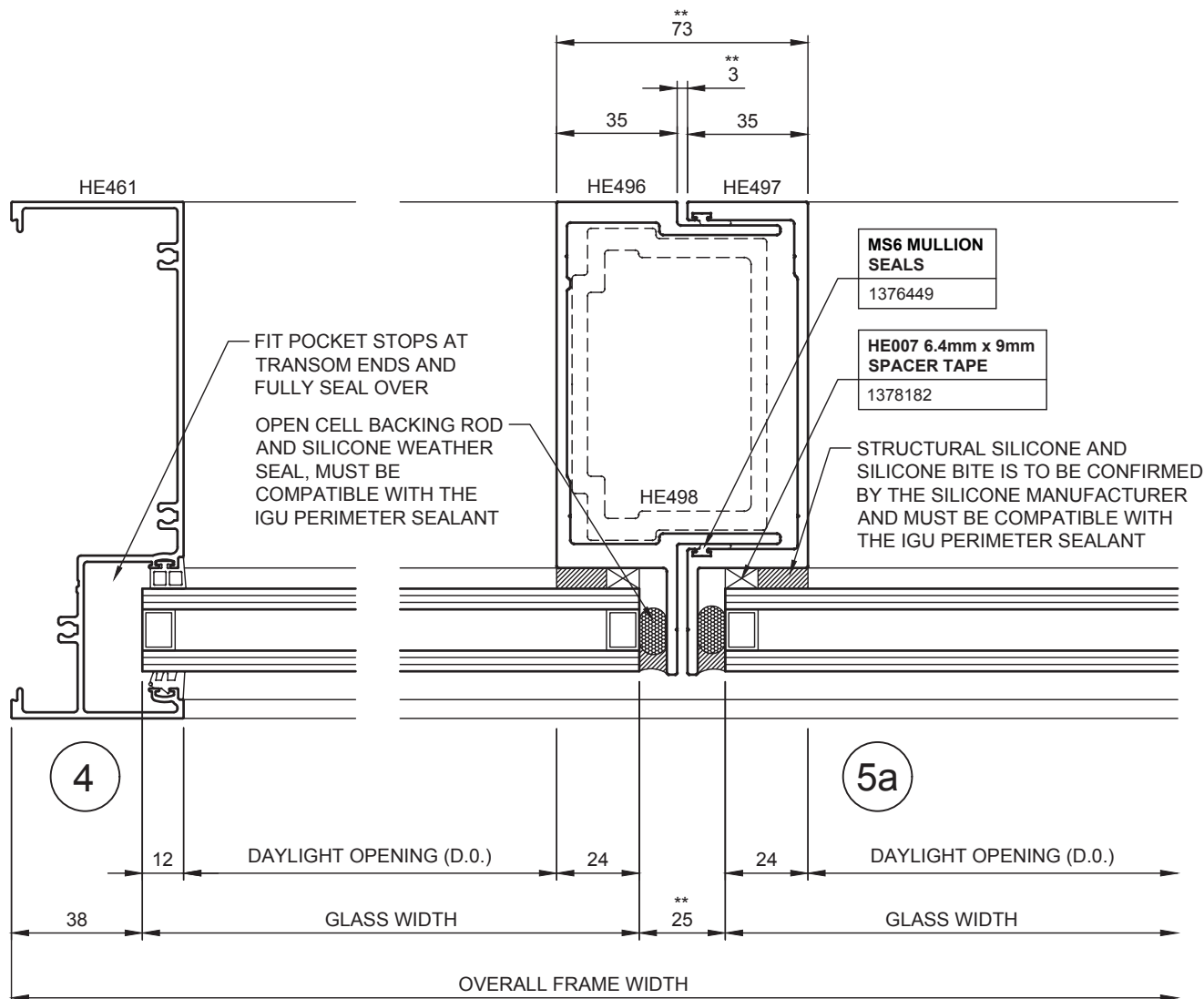
Typical Head / Sill with Structurally Glazed Transom Details



8. Typical Details

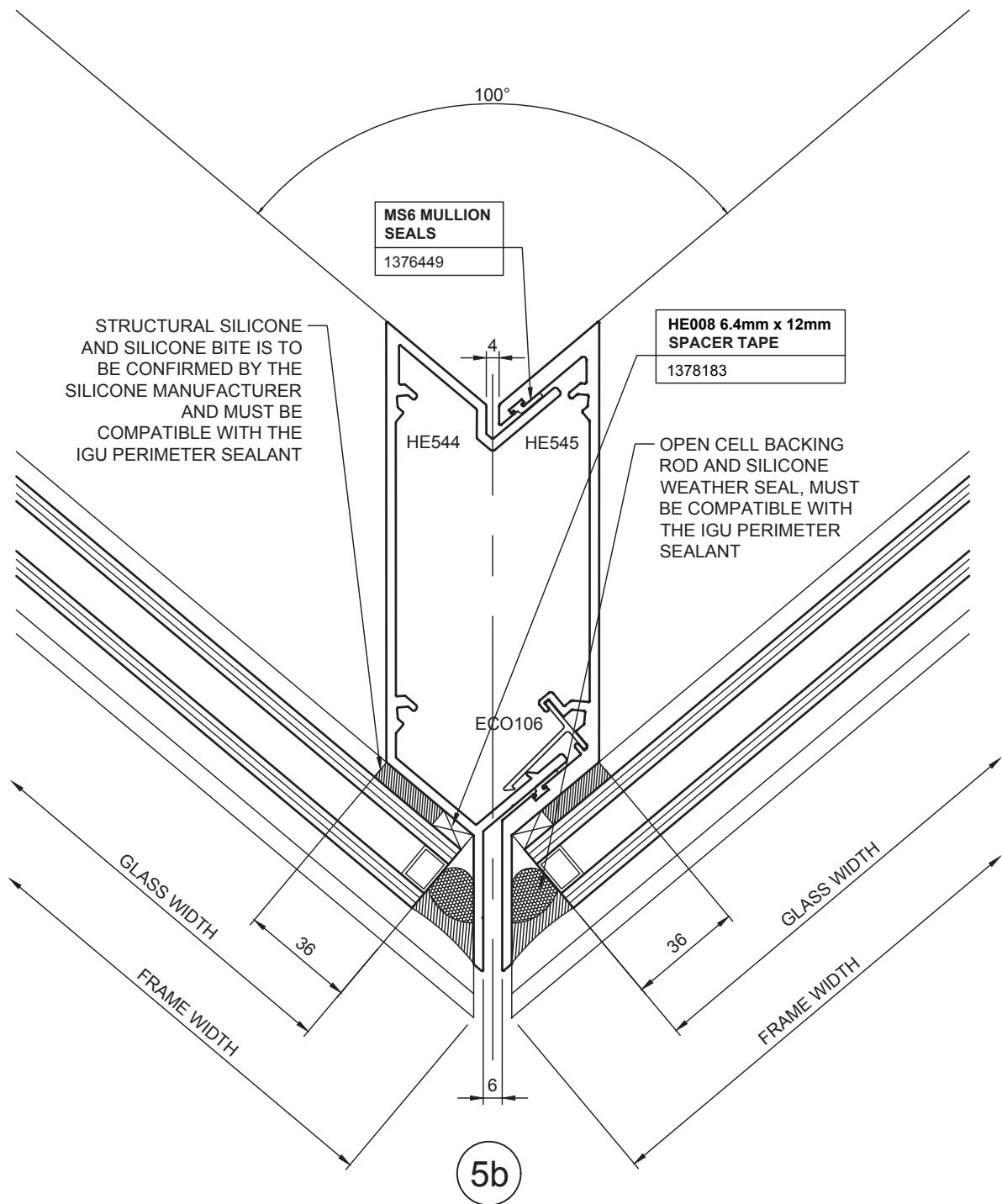
Typical Jamb and Structurally Glazed Mullion Details

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



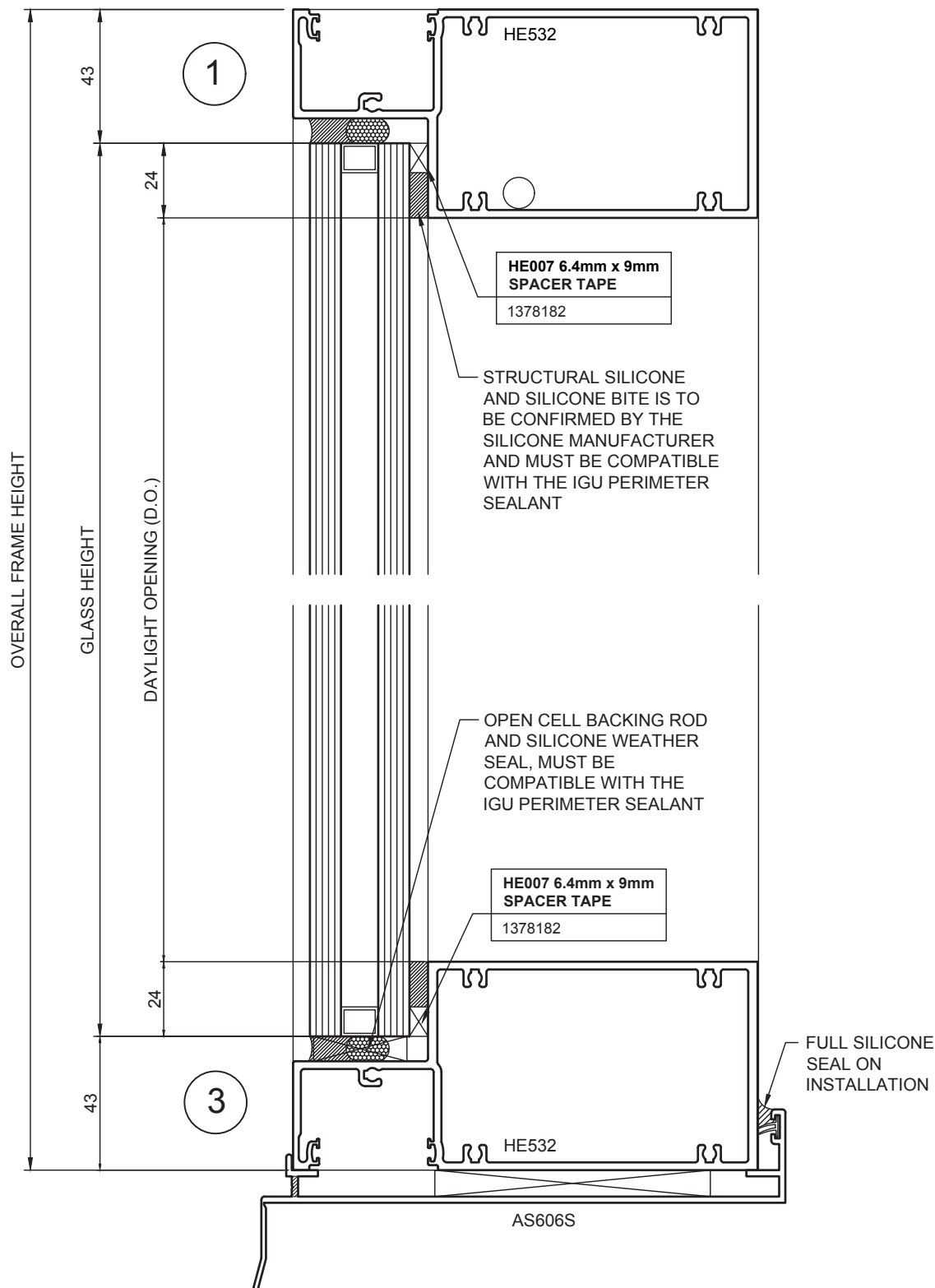
8. Typical Details

100° Structurally Glazed Mullions



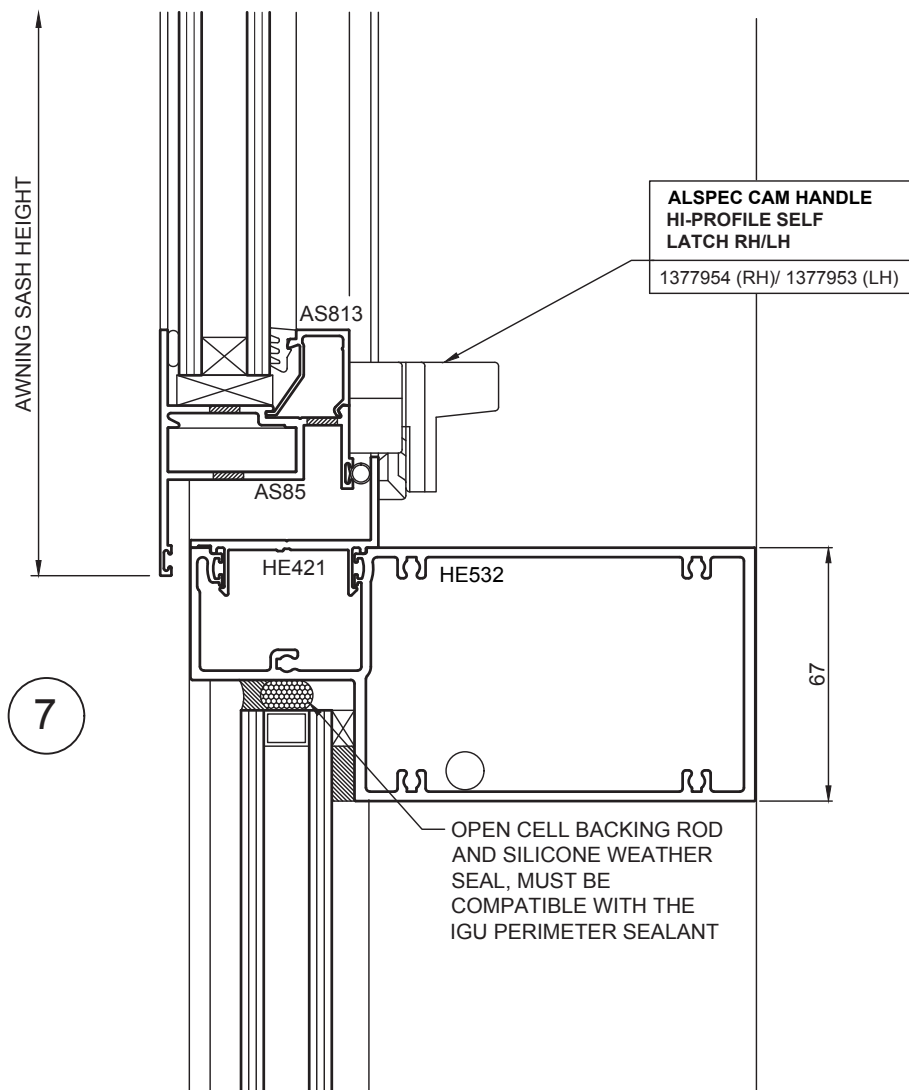
8. Typical Details

HE532 Structurally Glazed Head and Sill Details



8. Typical Details

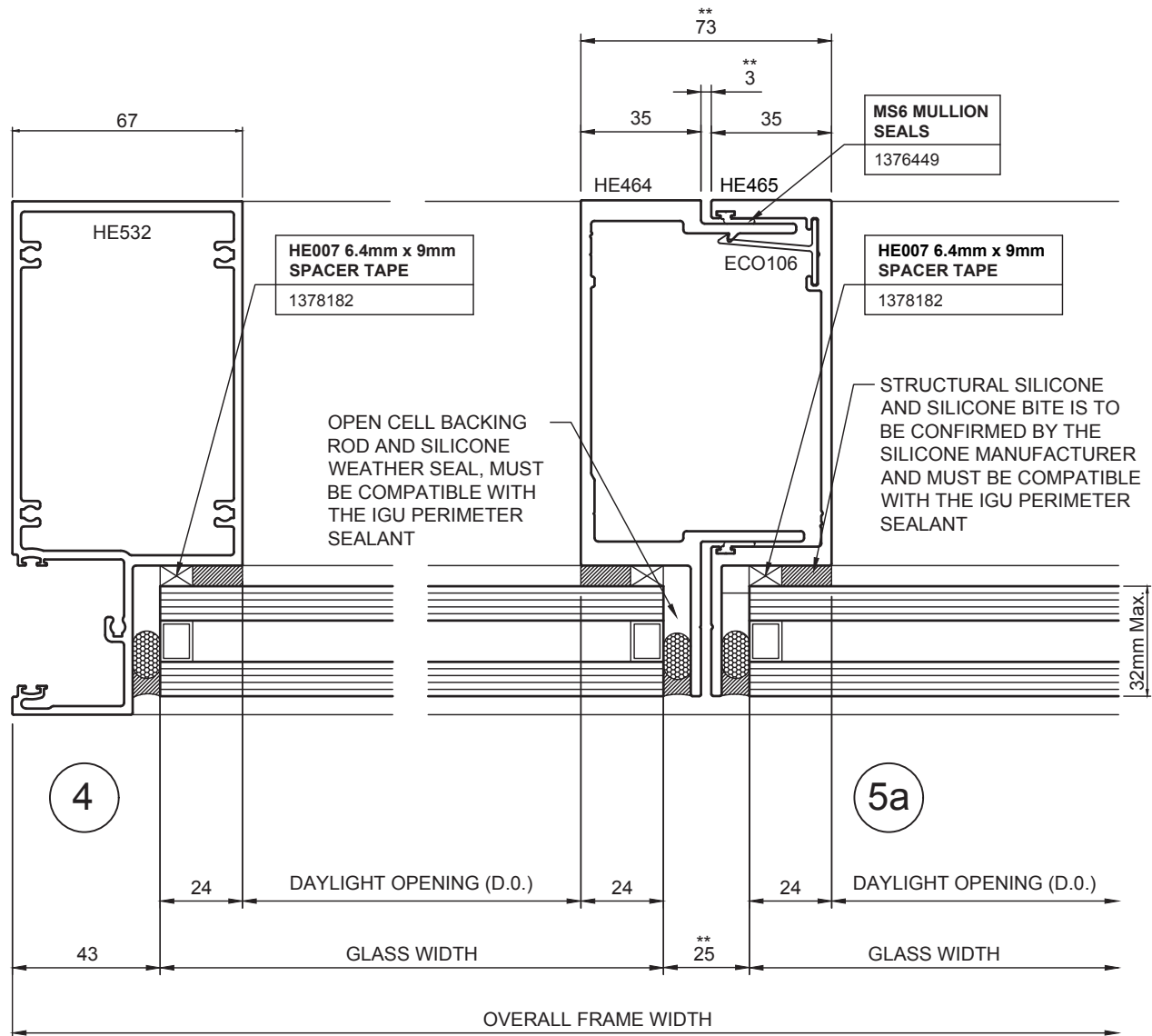
50mm Awning/ Fixed Structurally Glazed Low Lite Detail



8. Typical Details

HE532 Structurally Glazed Jamb and Mullion Details (30mm Rebate)

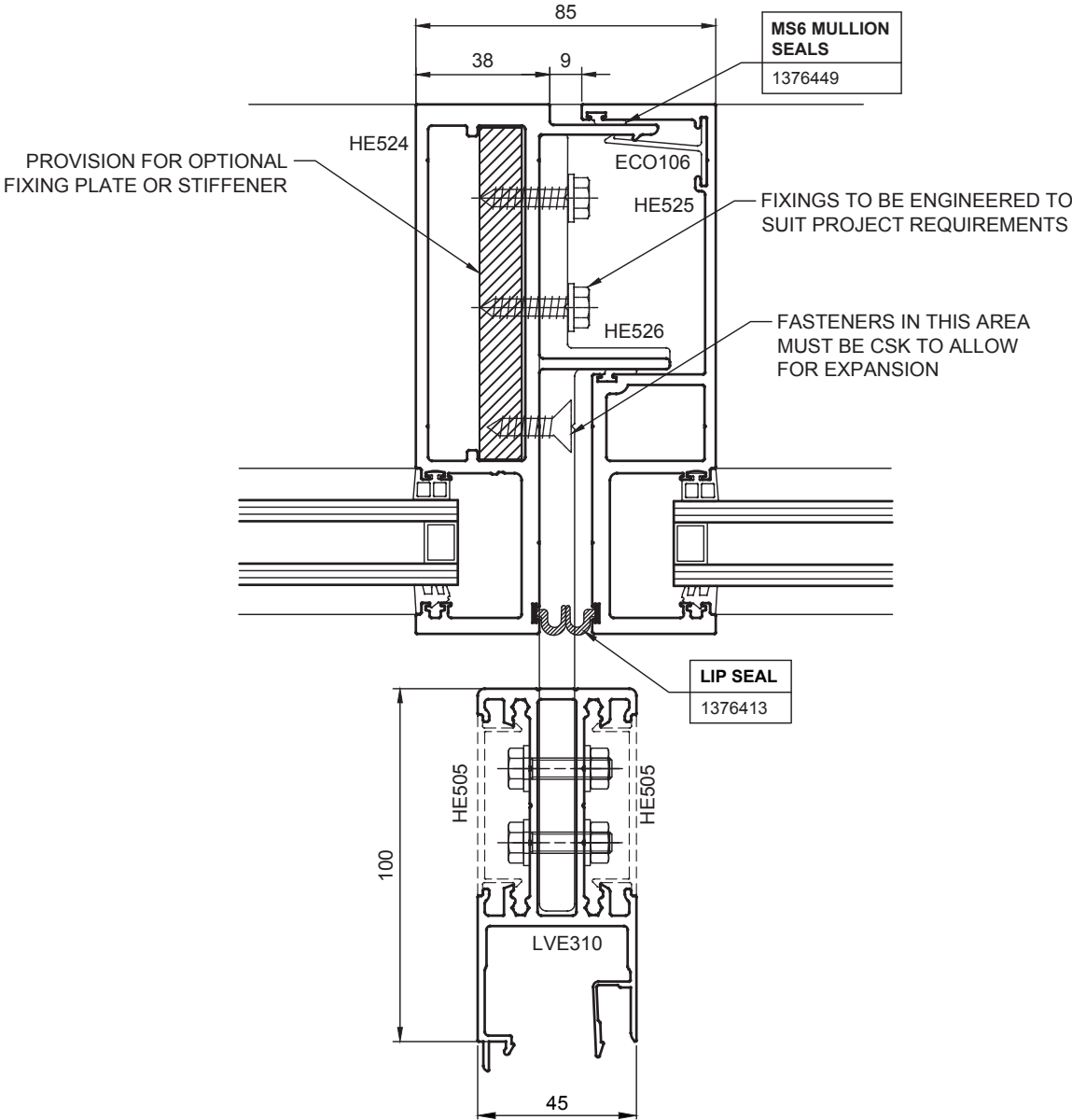
** NOMINAL DIMENSIONS ONLY. MAY VARY DUE TO PROJECT REQUIREMENTS



NOTE: HE464 AND HE465 STRUCTURALLY GLAZED MULLIONS TO BE USED WITH HE532 150mm DG STRUCTURAL GLAZE HEAD/FRAME.

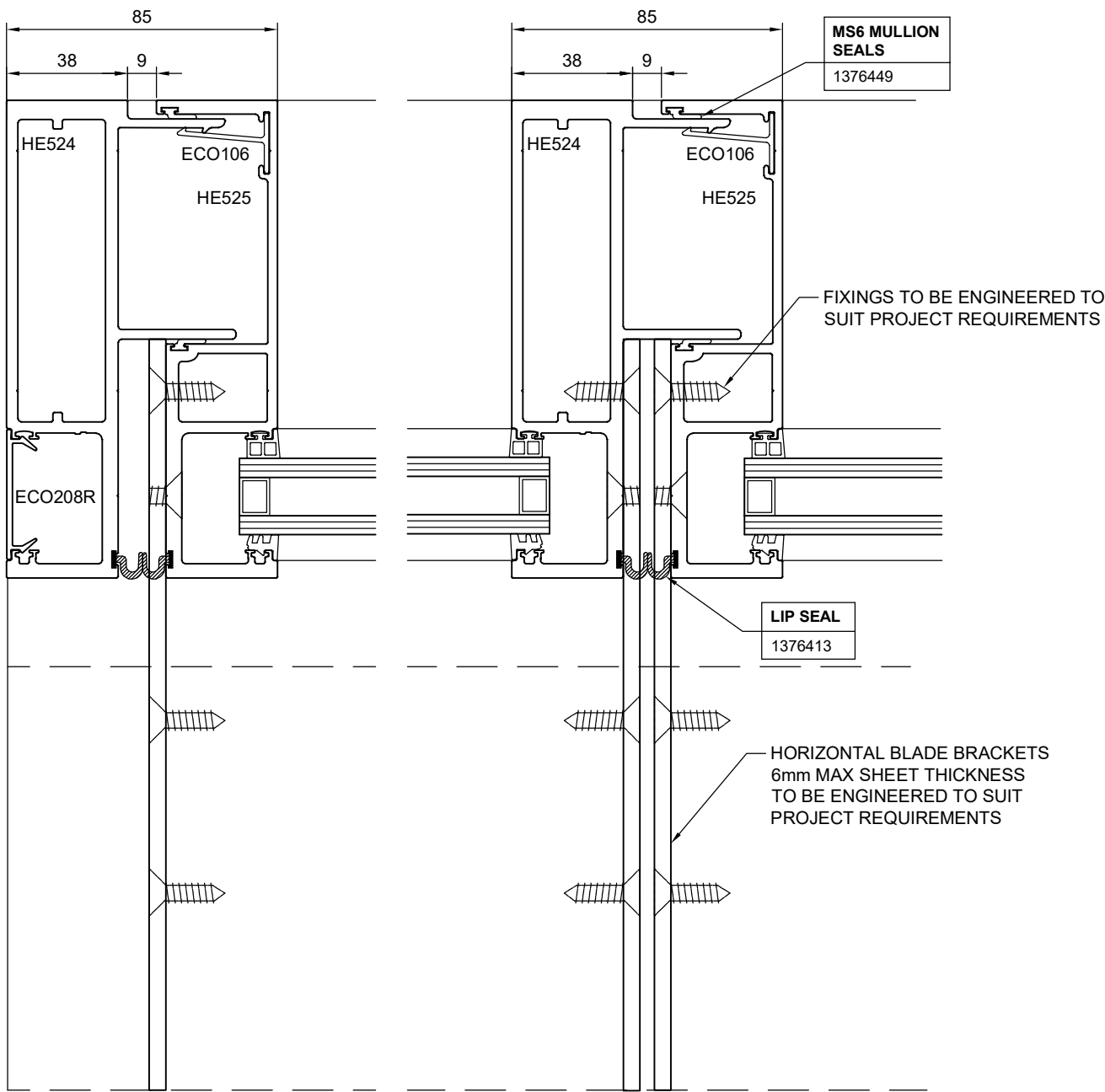
8. Typical Details

Vertical Blade Assembly Detail



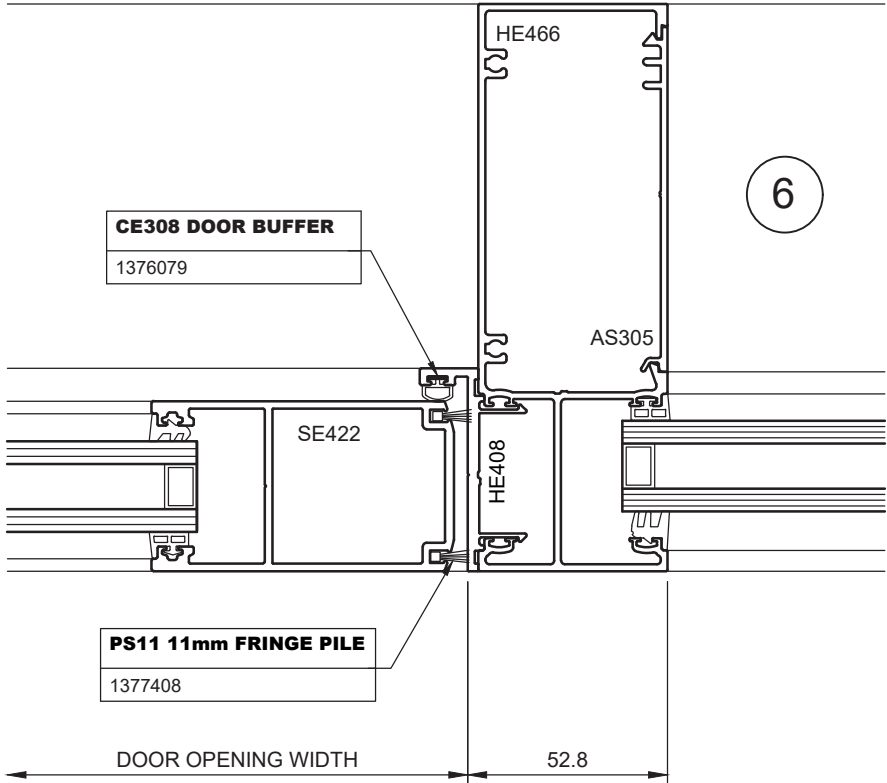
8. Typical Details

Horizontal Blade Assembly Detail



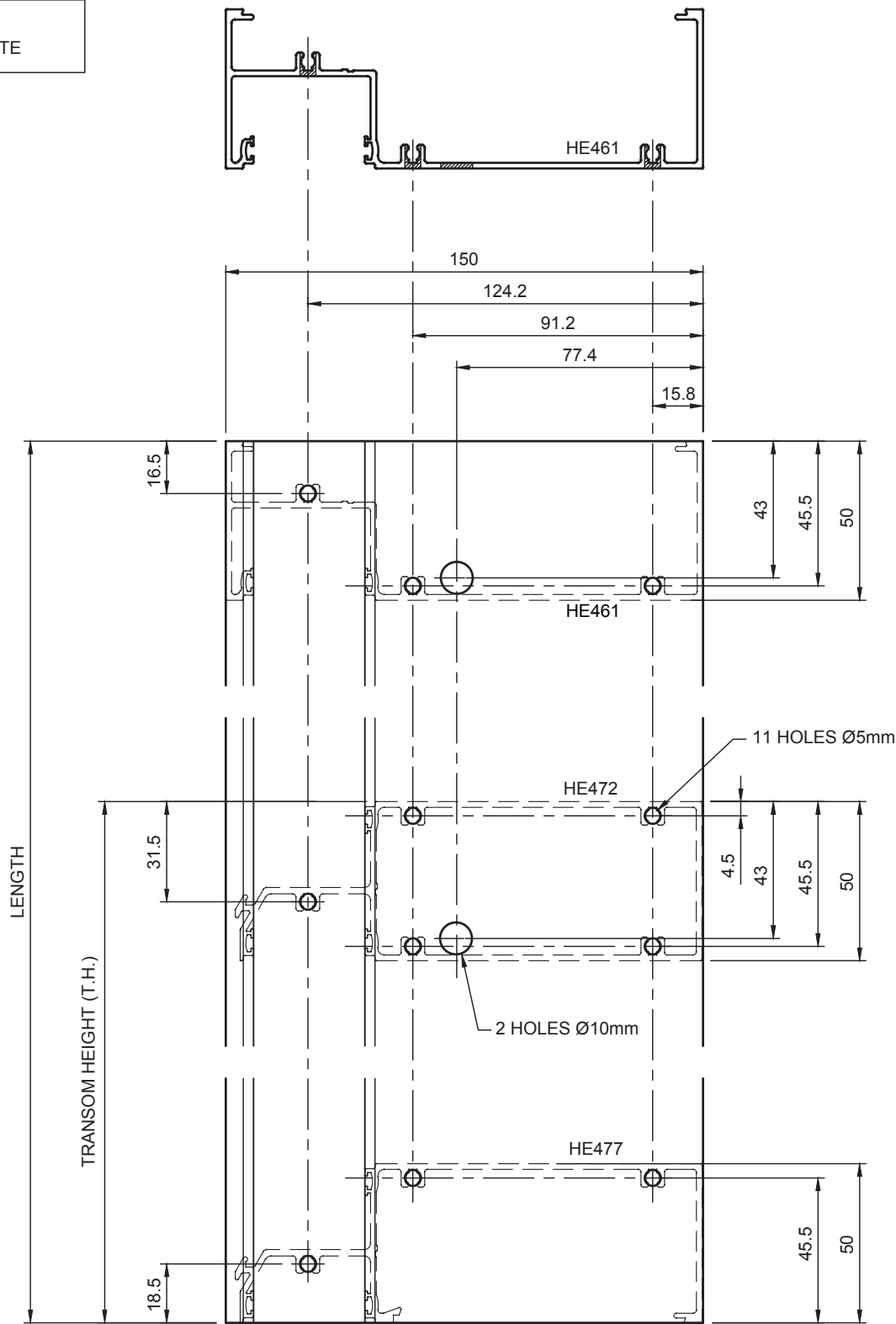
8. Typical Details

Typical Door Detail



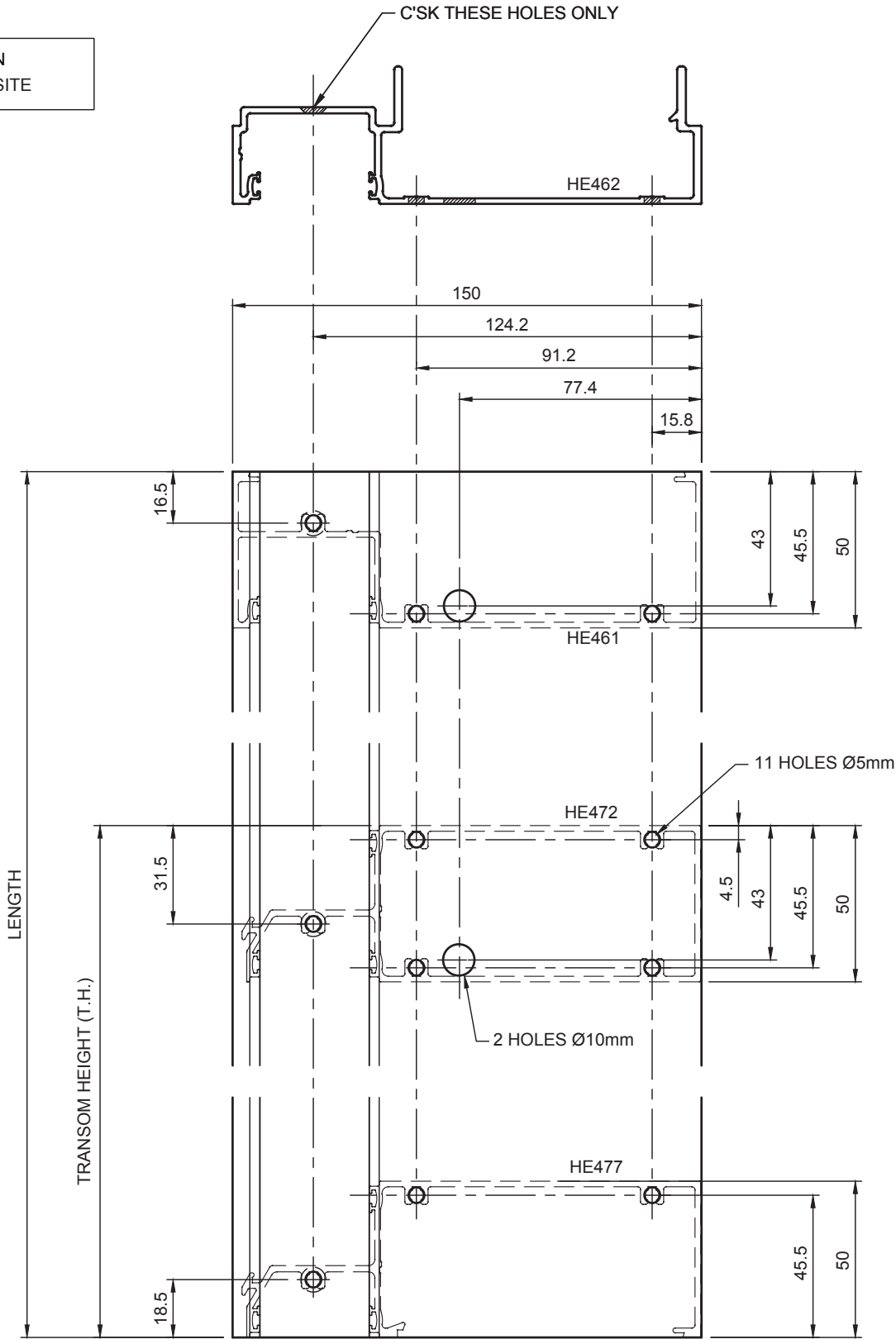
Frame Preparation - External Glaze

L.H. DRAWN
R.H. OPPOSITE



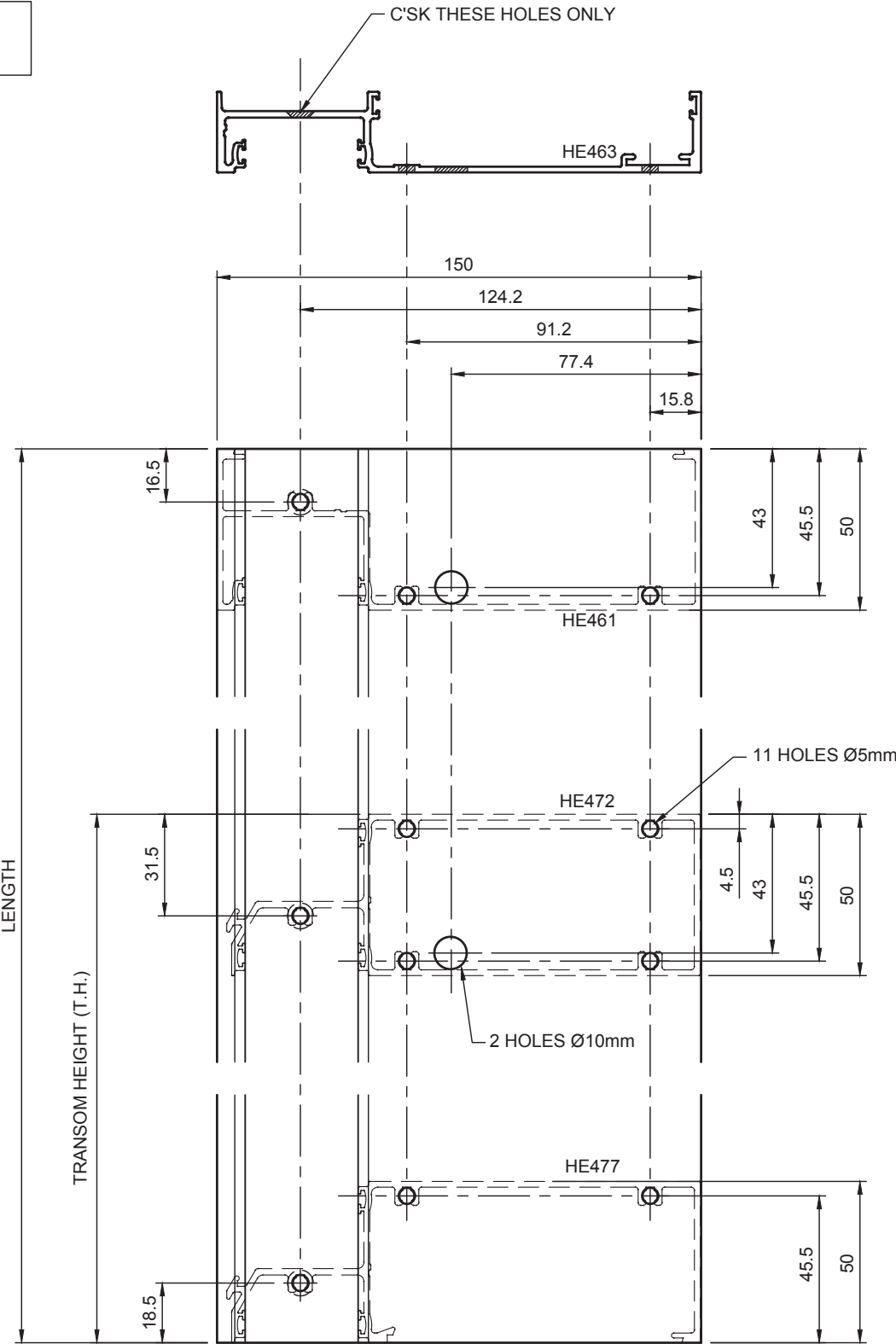
Frame Preparation - External Glaze

L.H. DRAWN
R.H. OPPOSITE



Frame Preparation - External Glaze

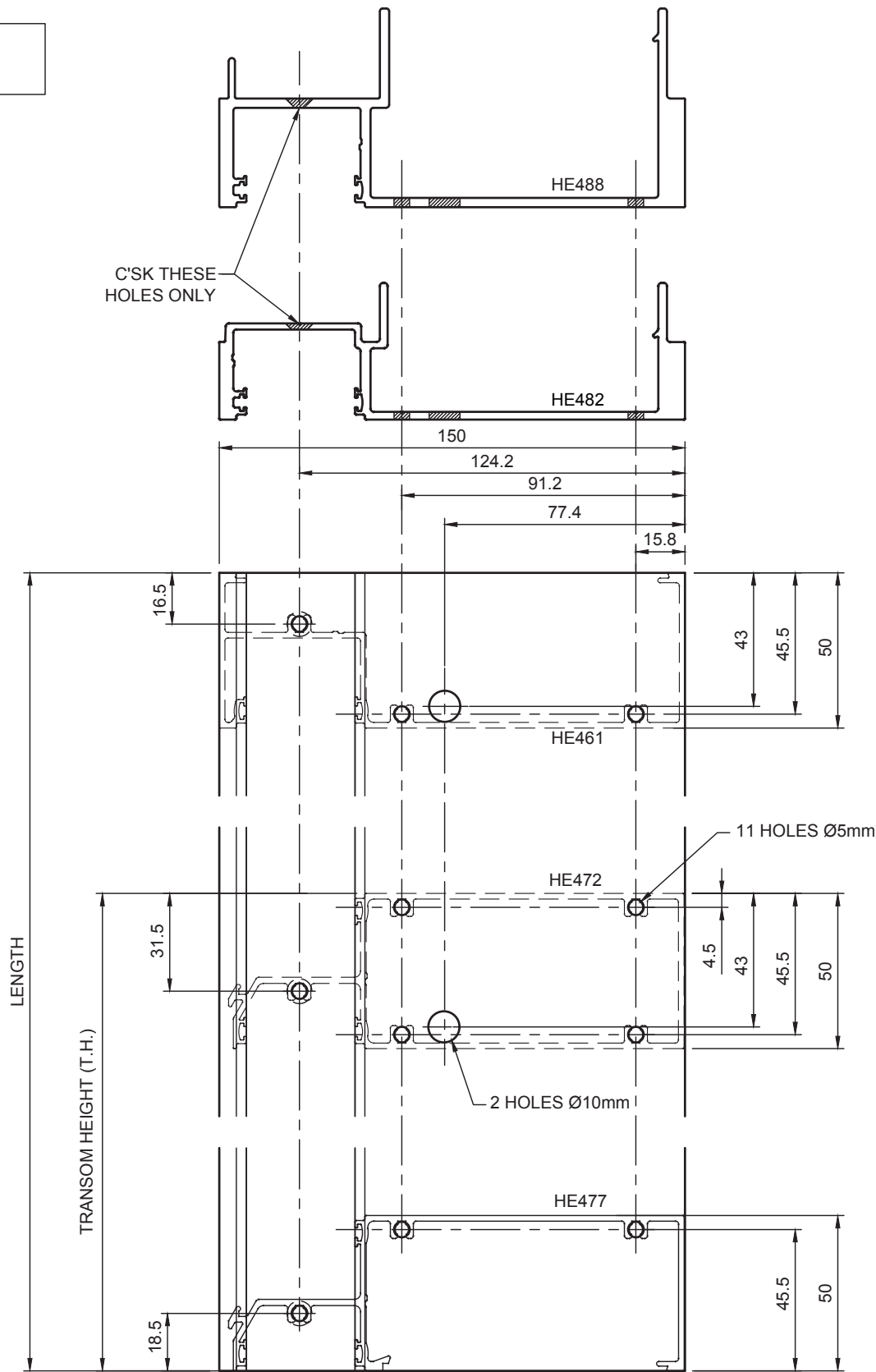
L.H. DRAWN
R.H. OPPOSITE



10. Manufacturing Details

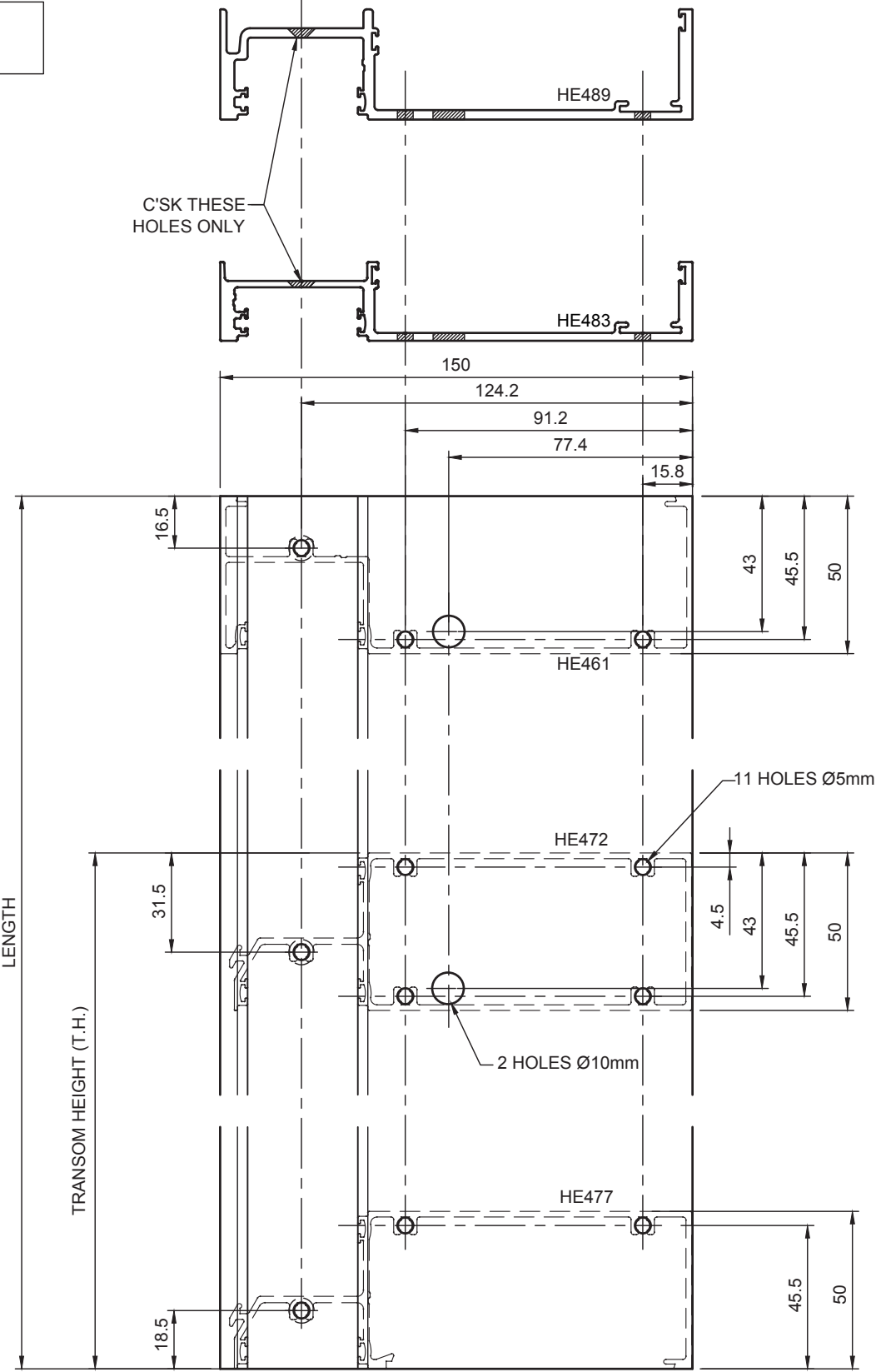
Frame Preparation - External Glaze

L.H. DRAWN
R.H. OPPOSITE



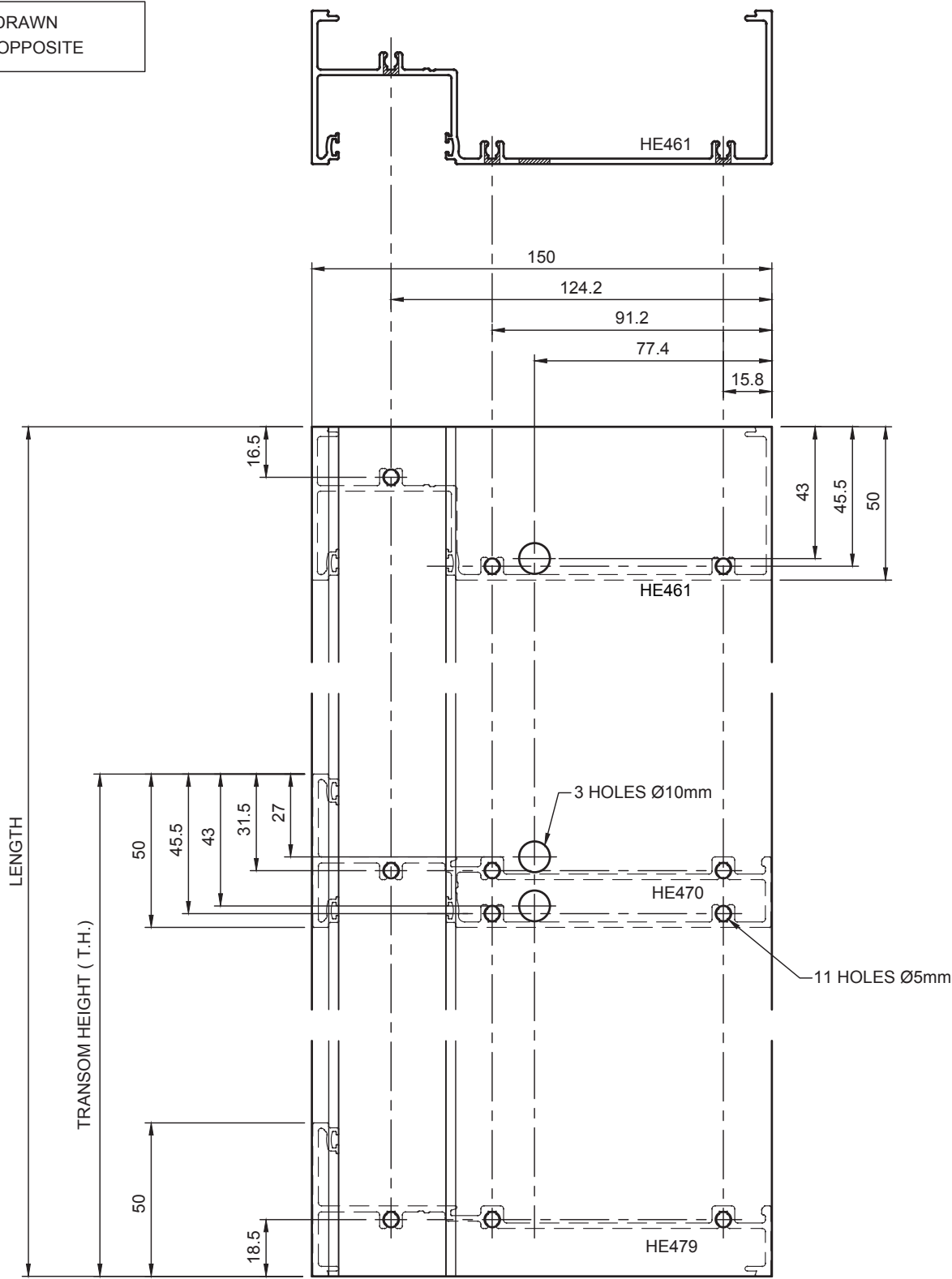
Frame Preparation - External Glaze

L.H. DRAWN
R.H. OPPOSITE

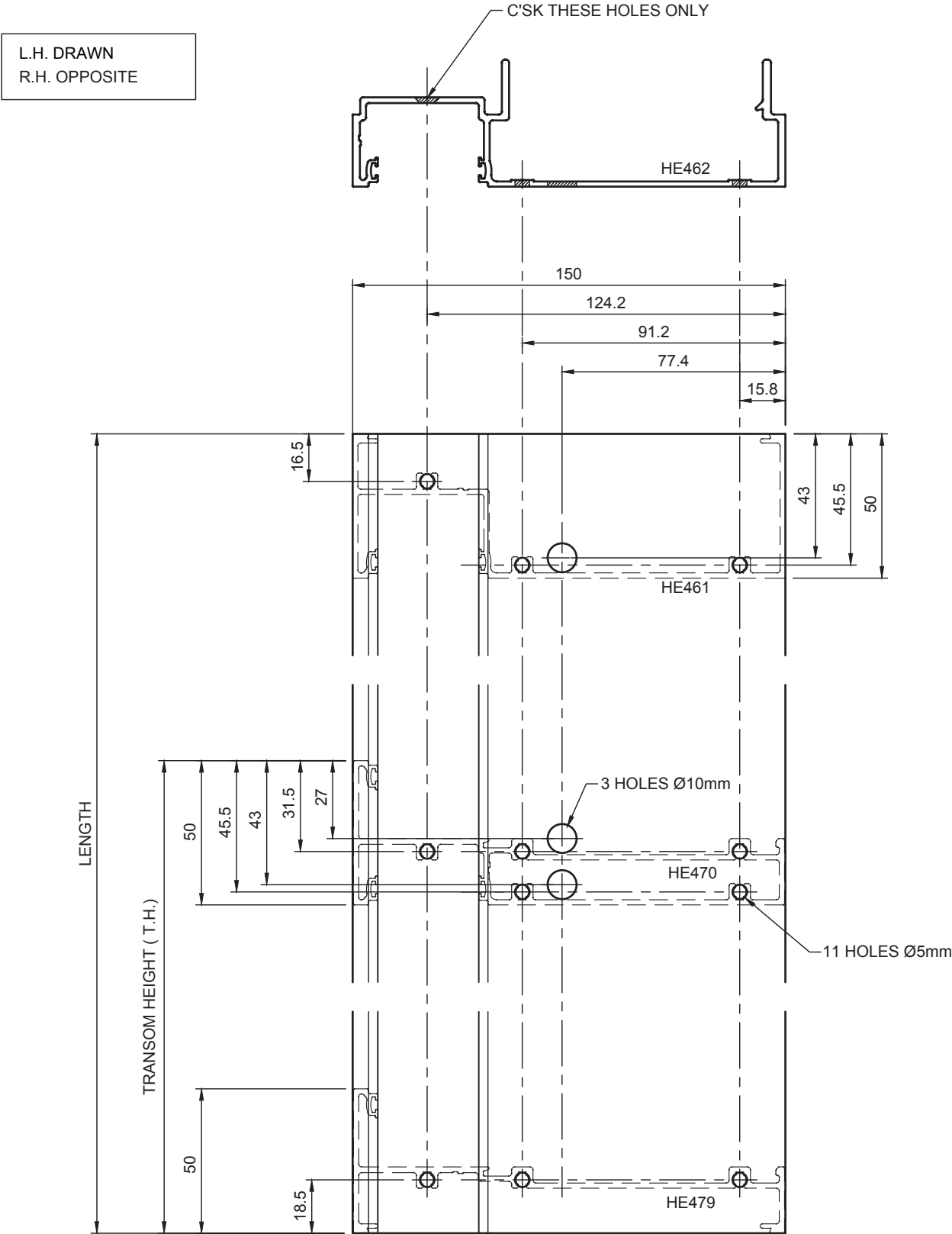


Frame Preparation - Internal Glaze

L.H. DRAWN
R.H. OPPOSITE



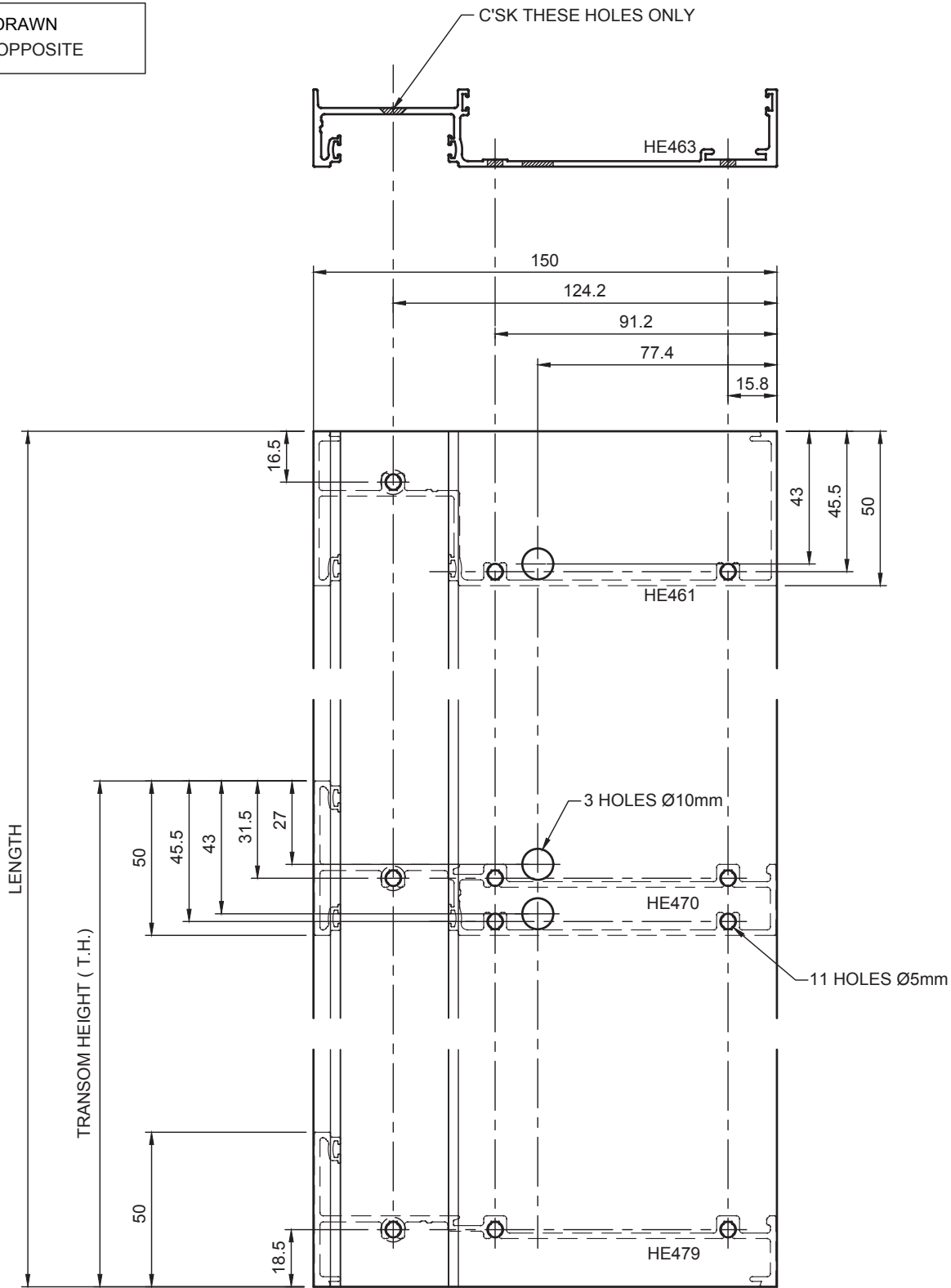
Frame Preparation - Internal Glaze



10. Manufacturing Details

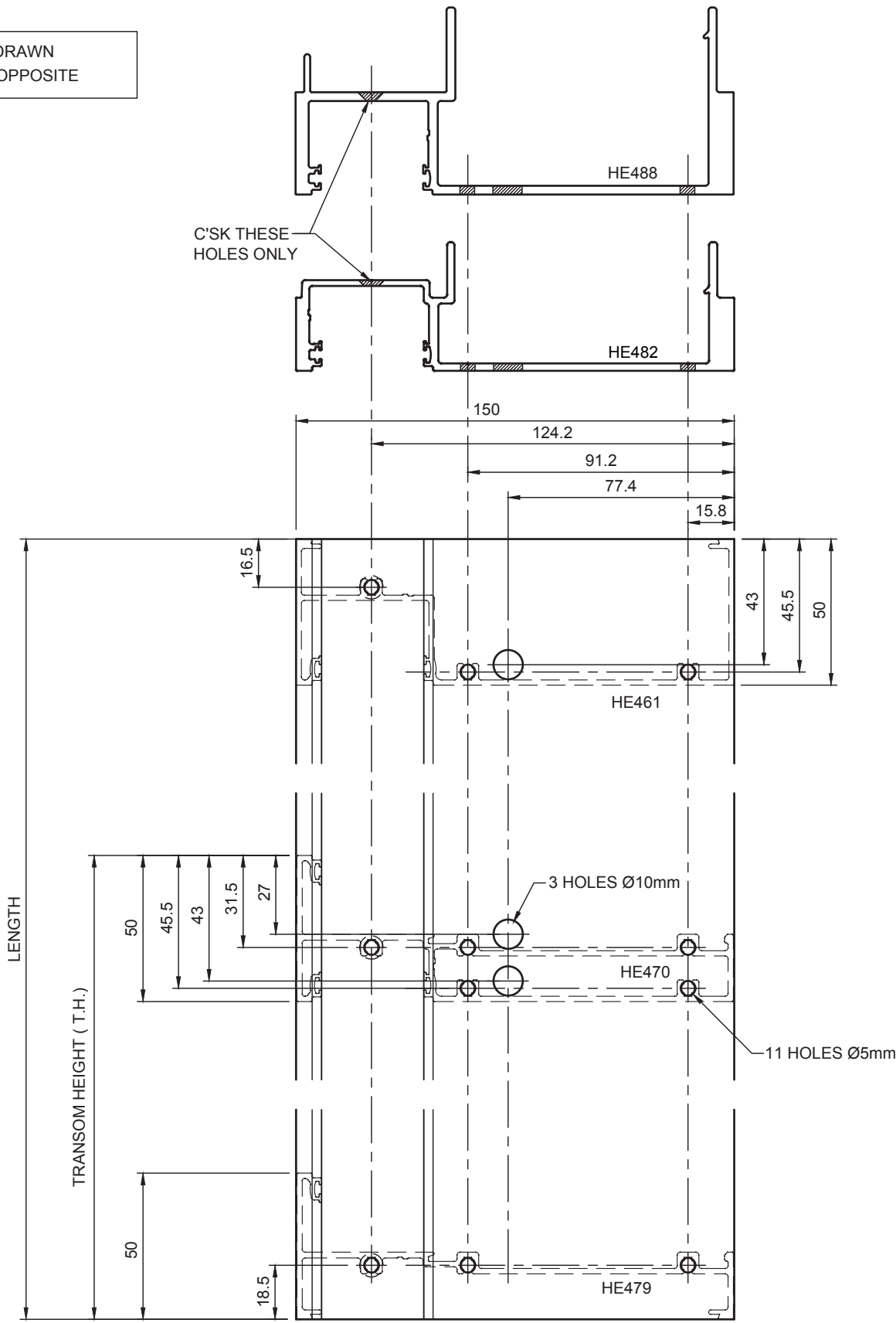
Frame Preparation - Internal Glaze

L.H. DRAWN
R.H. OPPOSITE



Frame Preparation - Internal Glaze

L.H. DRAWN
R.H. OPPOSITE

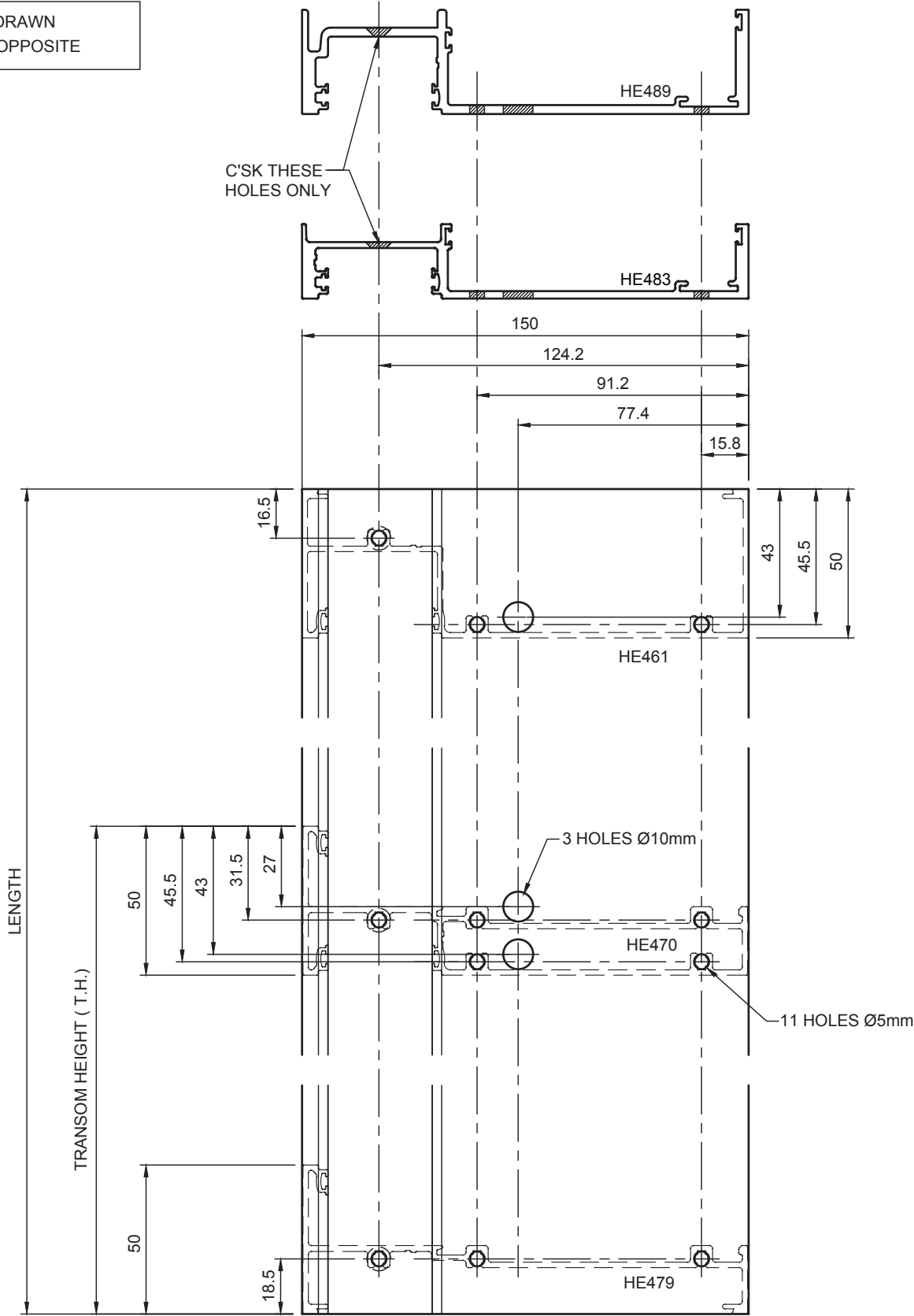




10. Manufacturing Details

Frame Preparation - Internal Glaze

L.H. DRAWN
R.H. OPPOSITE

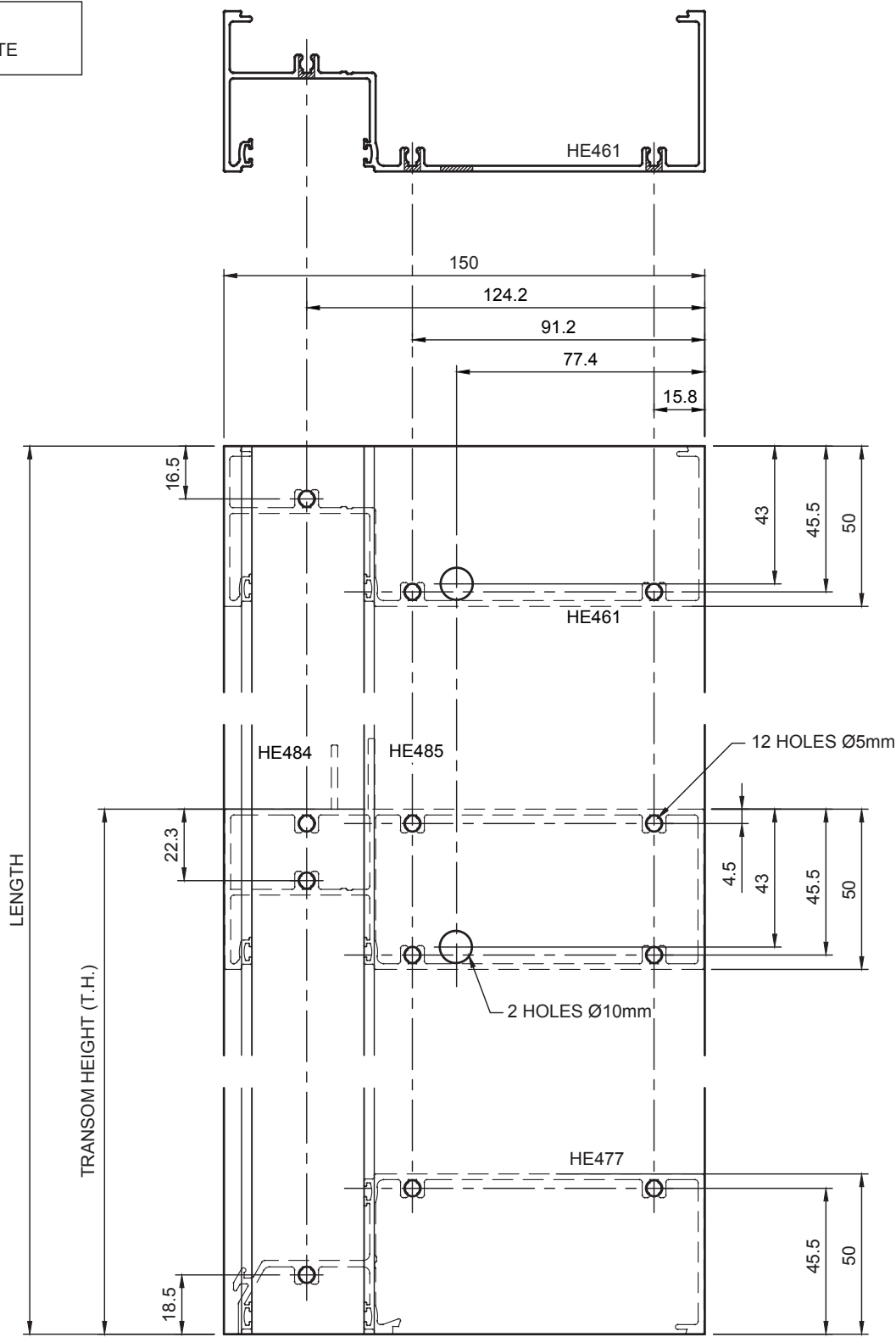




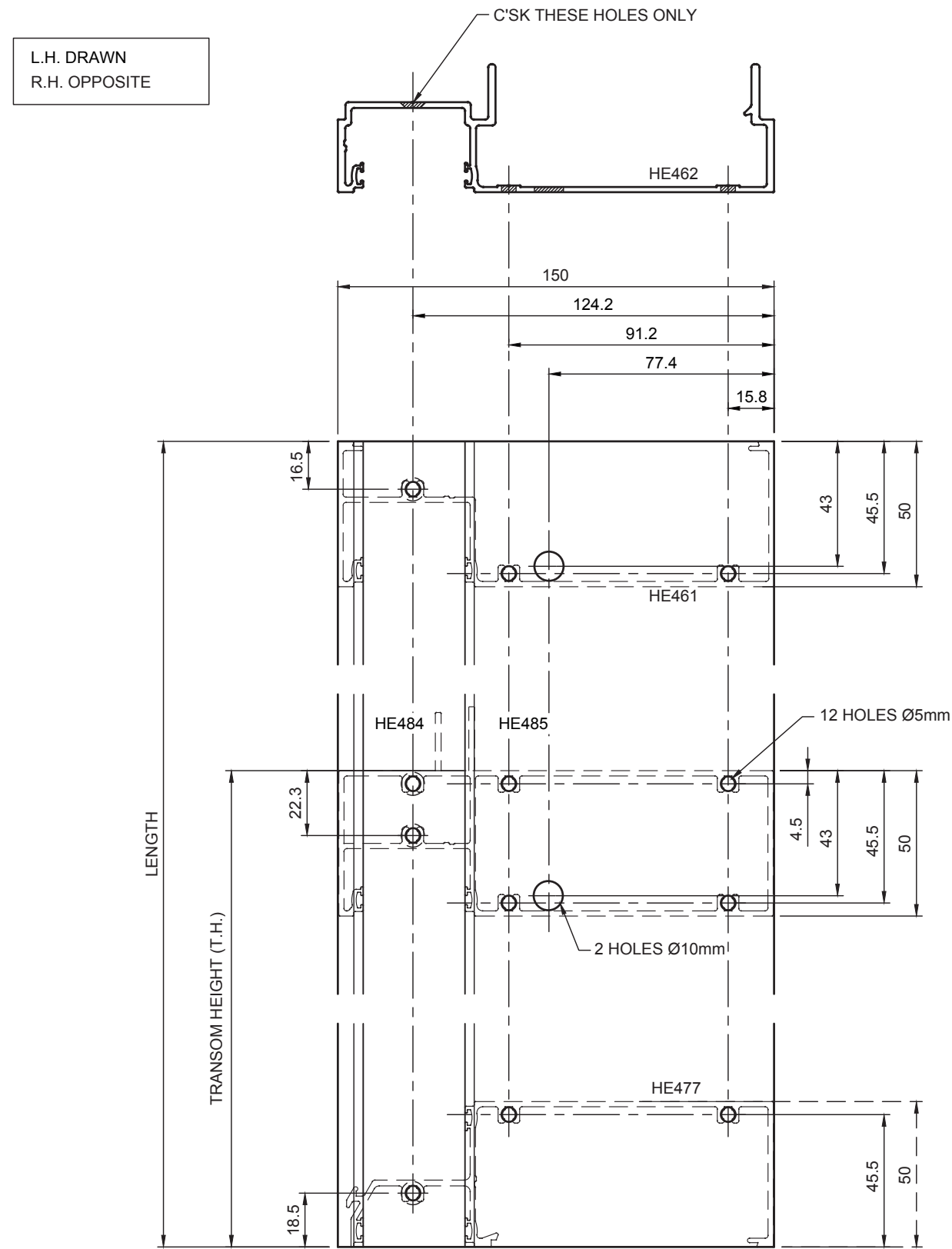
10. Manufacturing Details

Frame Preparation - External Glaze with Awning and Low Lite

L.H. DRAWN
R.H. OPPOSITE

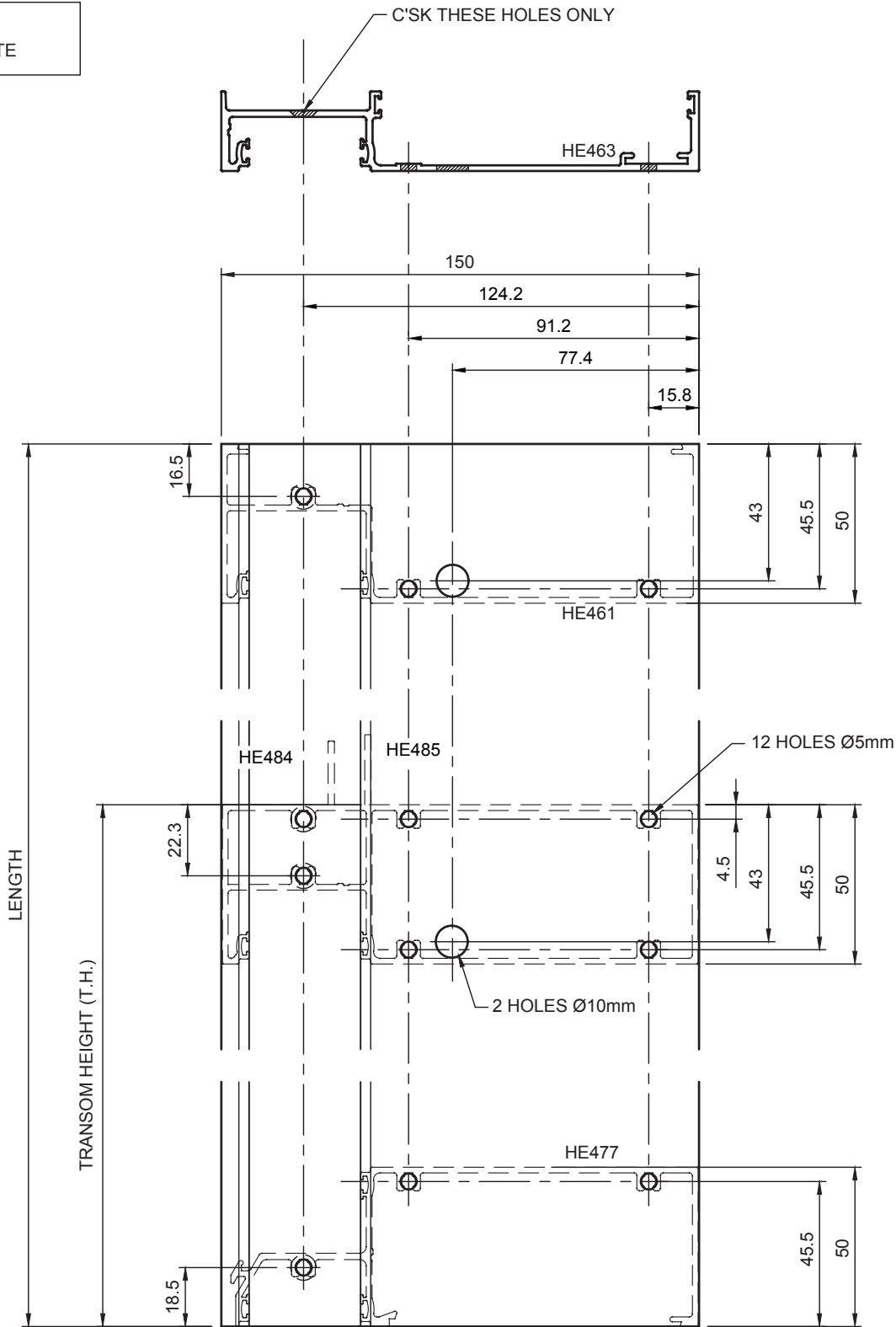


Frame Preparation - External Glaze with Awning and Low Lite



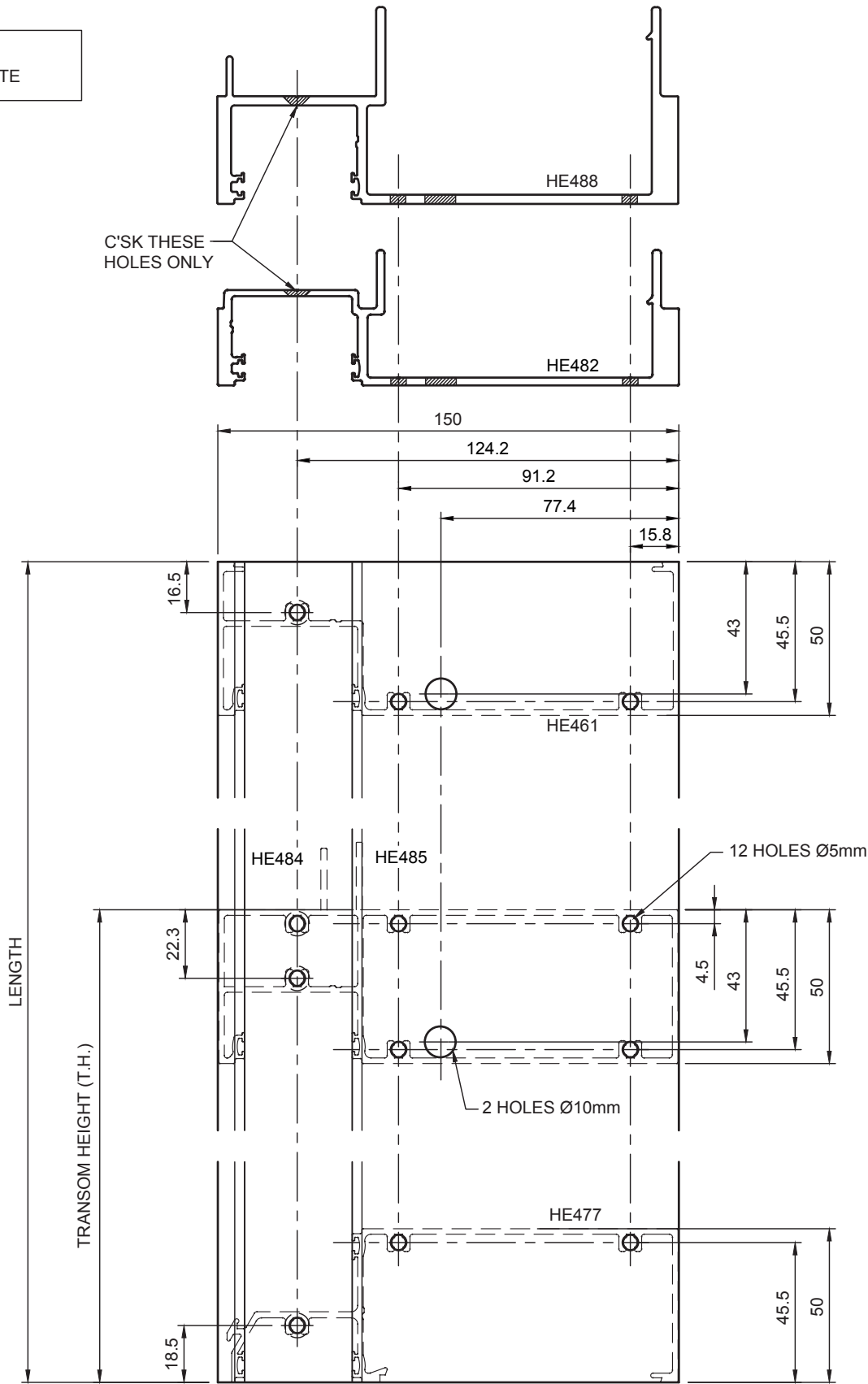
Frame Preparation - External Glaze with Awning and Low Lite

L.H. DRAWN
R.H. OPPOSITE



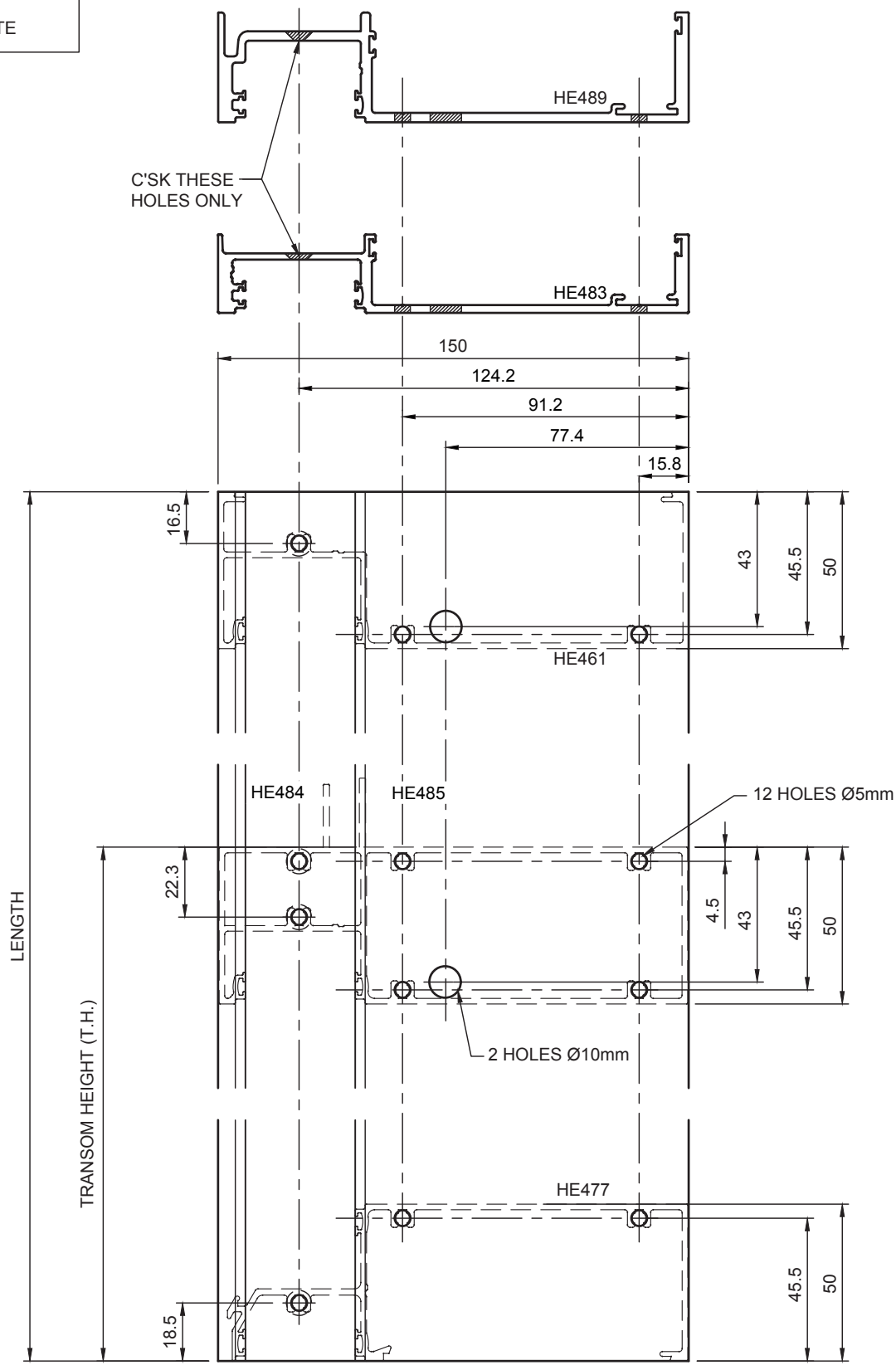
Frame Preparation - External Glaze with Awning and Low Lite

L.H. DRAWN
R.H. OPPOSITE



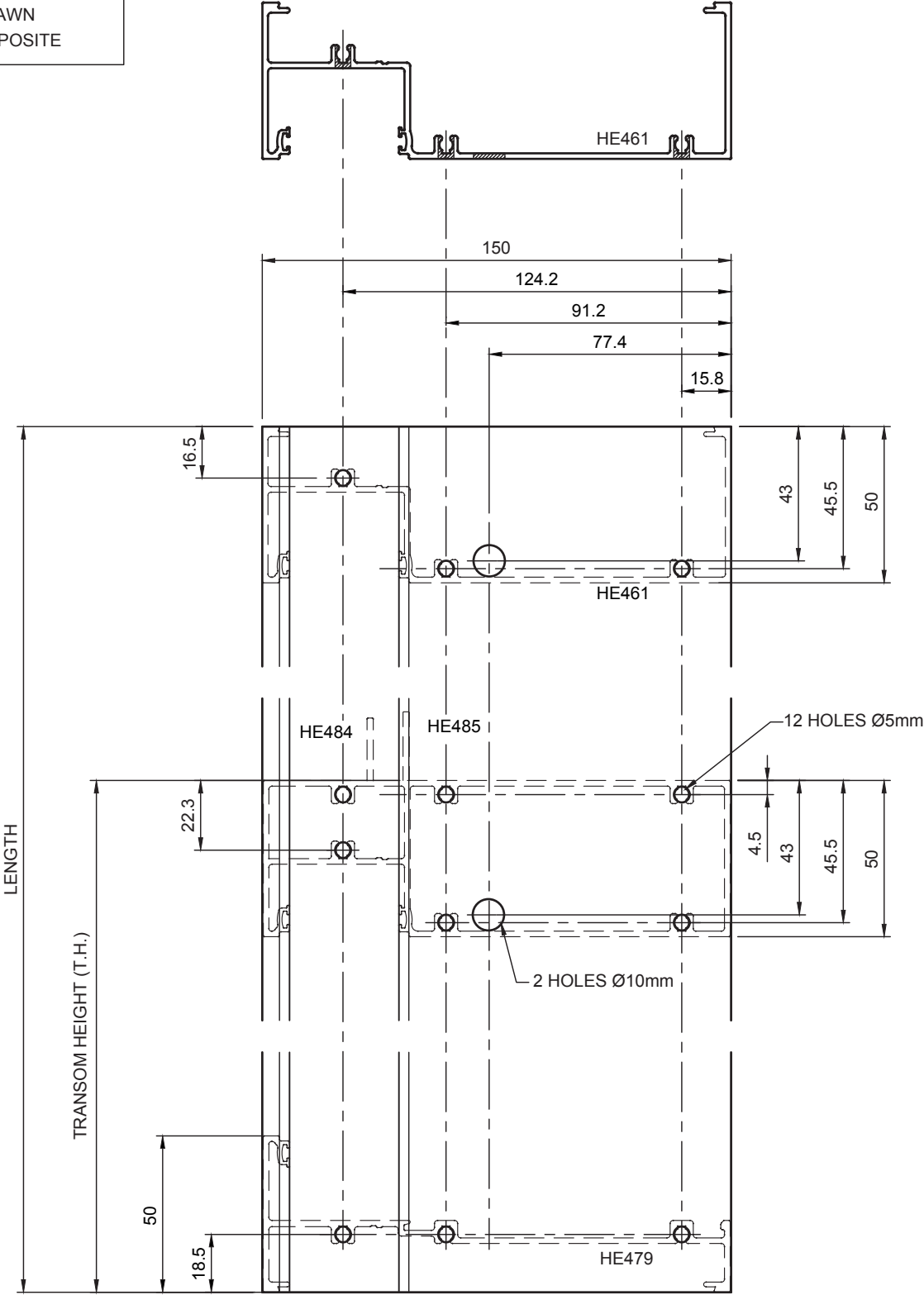
Frame Preparation - External Glaze with Awning with Low Lite

L.H. DRAWN
R.H. OPPOSITE

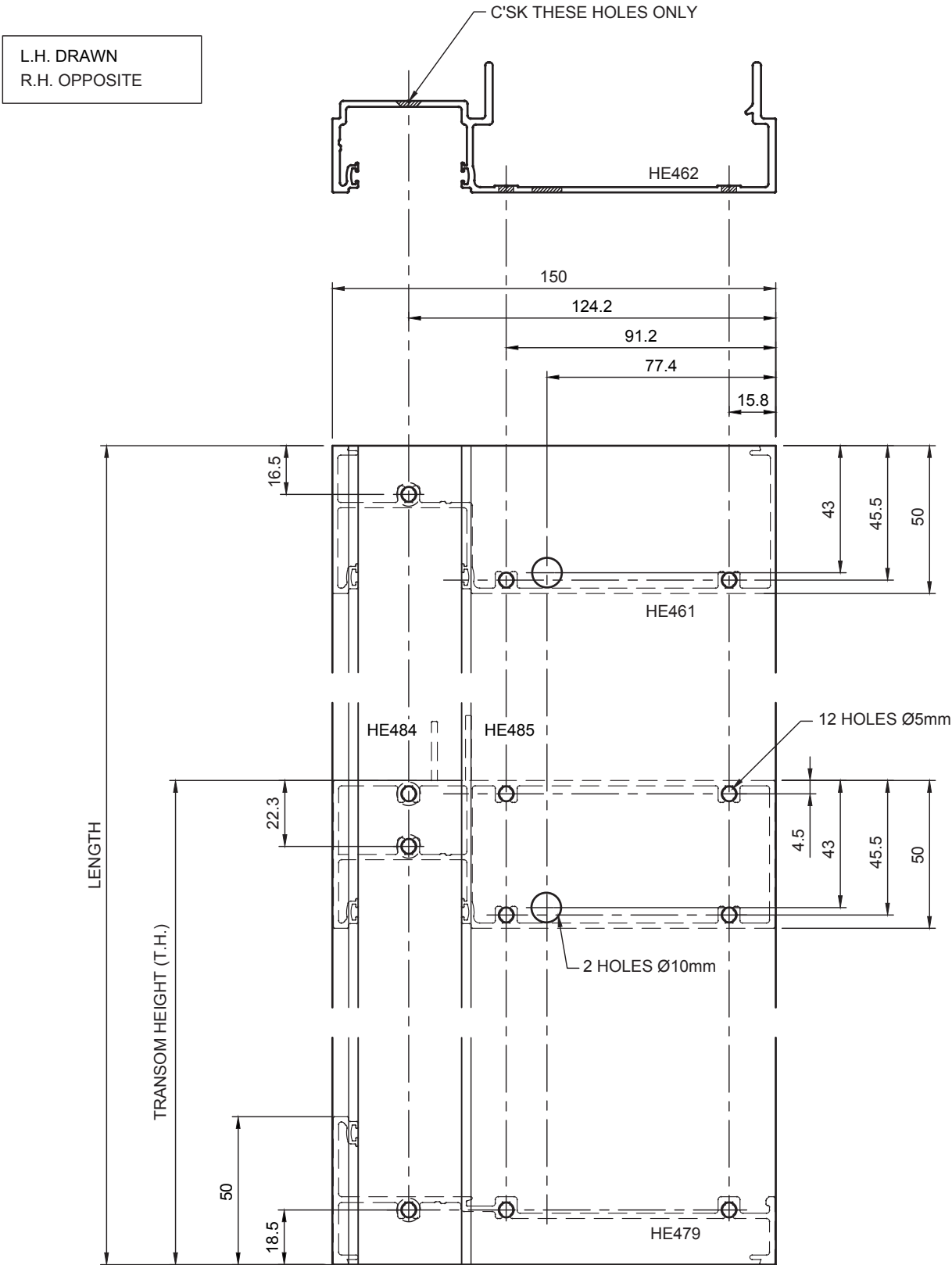


Frame Preparation - Internal Glaze with Awning and Low Lite

L.H. DRAWN
R.H. OPPOSITE

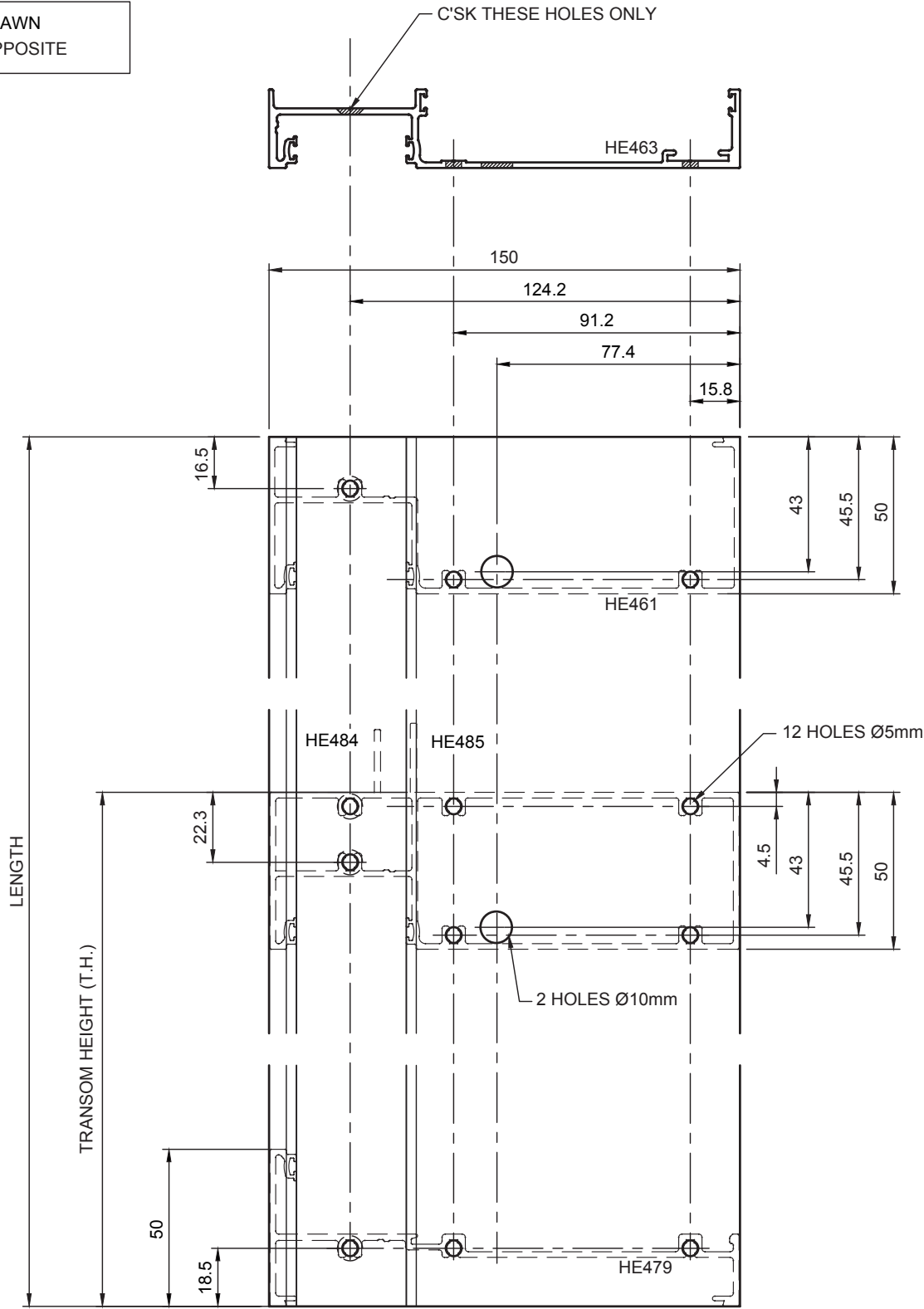


Frame Preparation - Internal Glaze with Awning and Low Lite



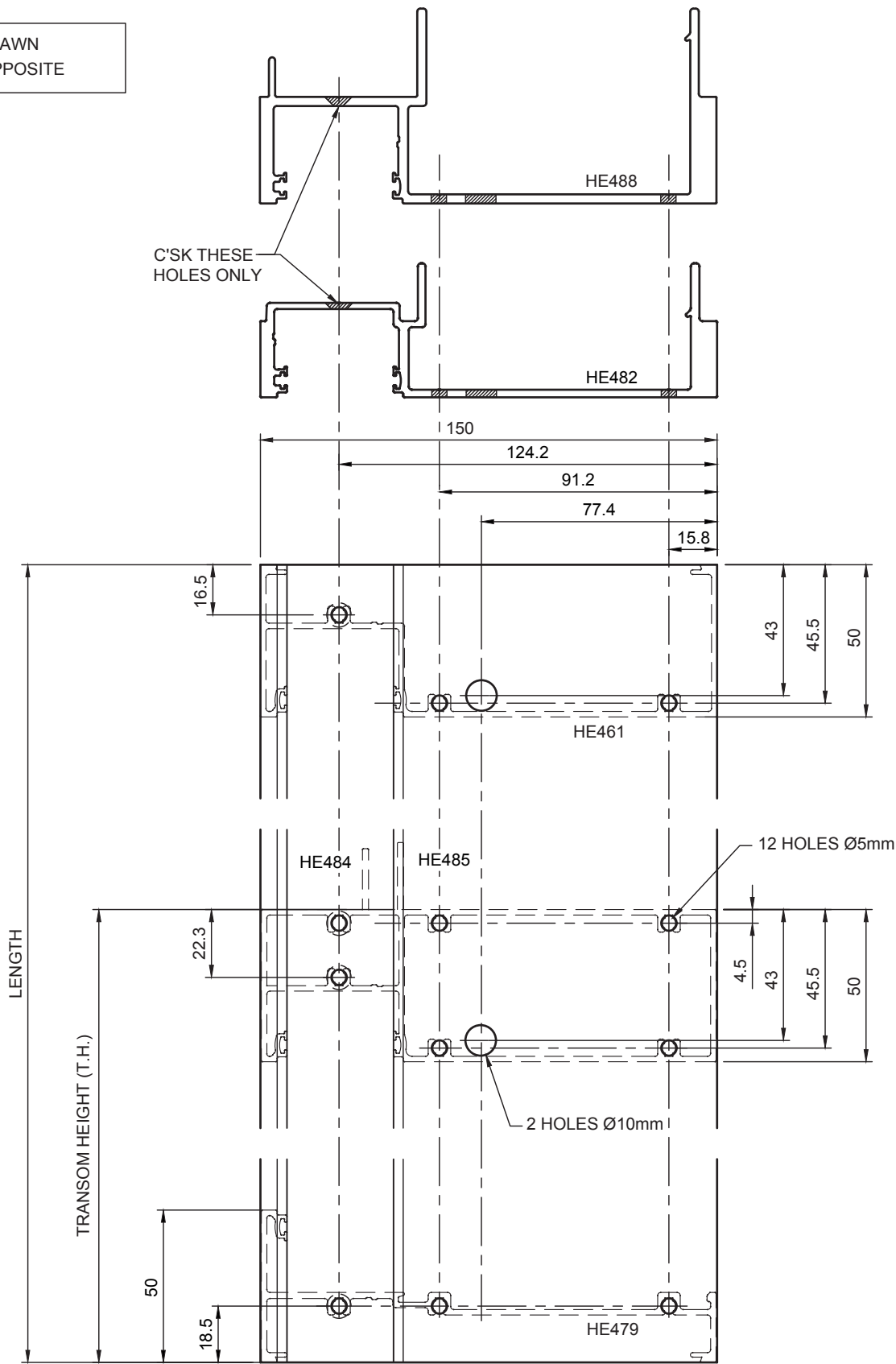
Frame Preparation - Internal Glaze with Awning and Low Lite

L.H. DRAWN
R.H. OPPOSITE



Frame Preparation - Internal Glaze with Awning and Low Lite

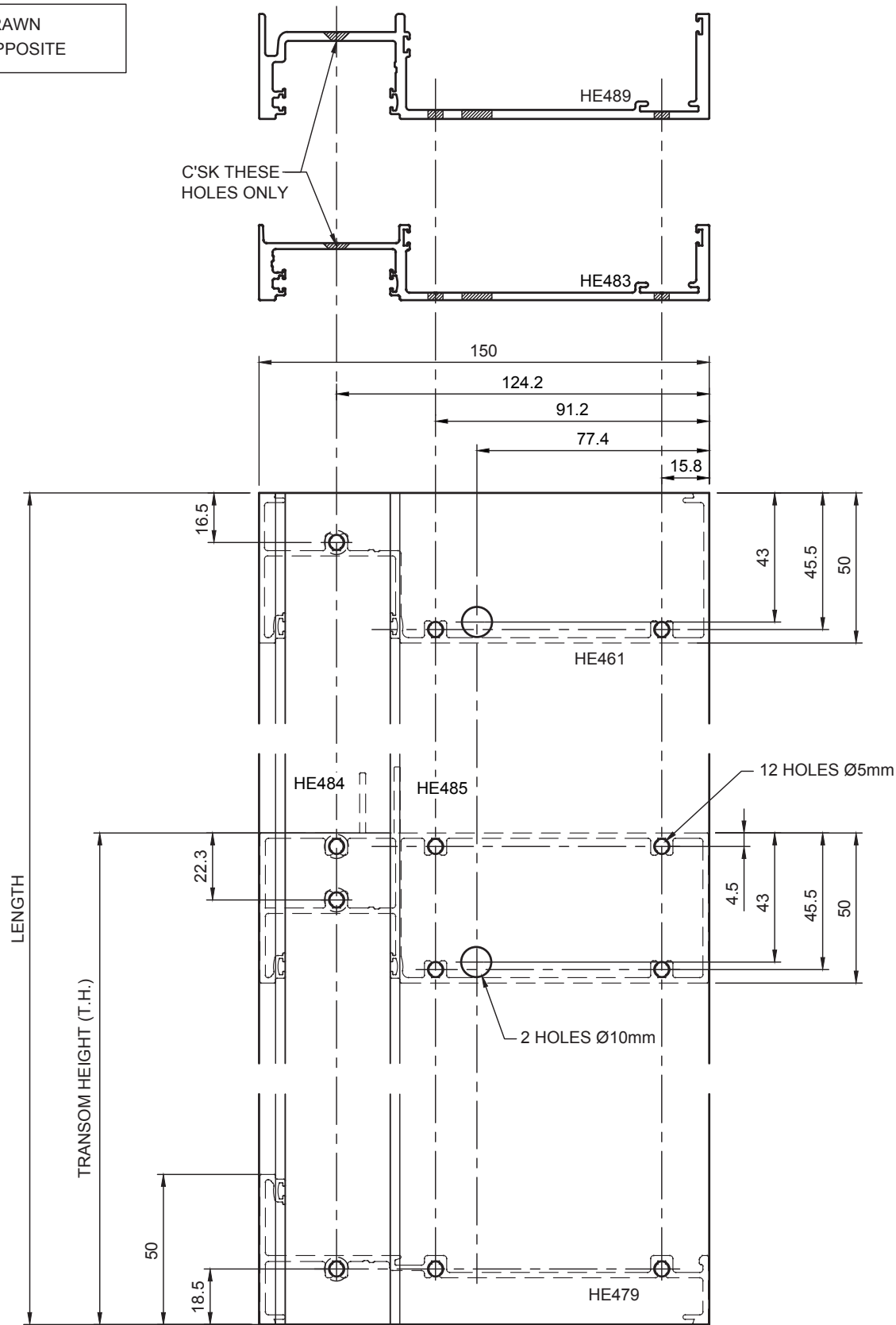
L.H. DRAWN
R.H. OPPOSITE



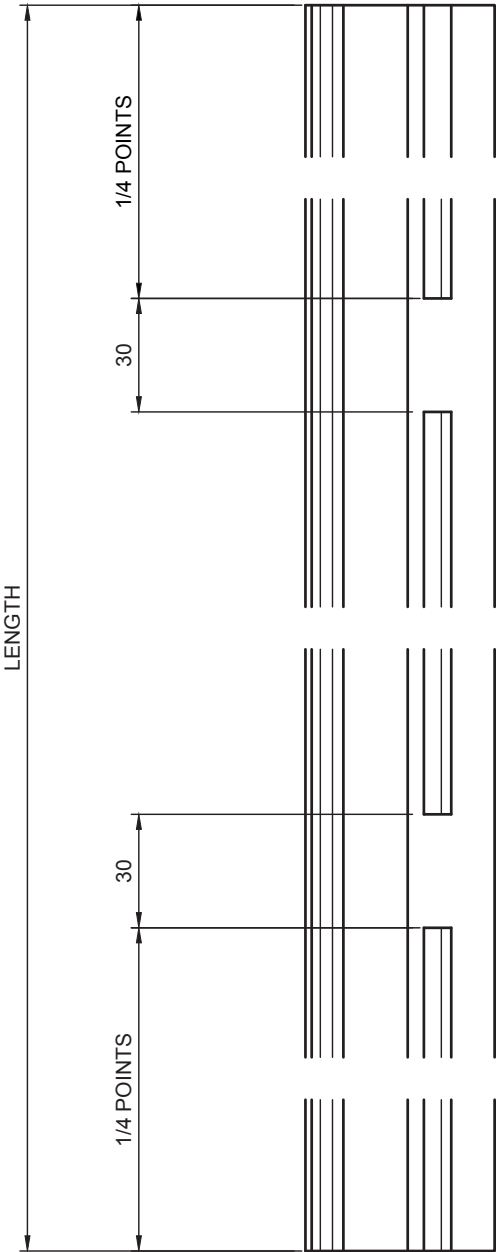
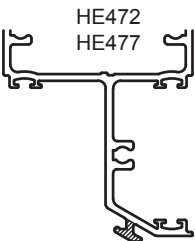
10. Manufacturing Details

Frame Preparation - Internal Glaze with Awning and Low Lite

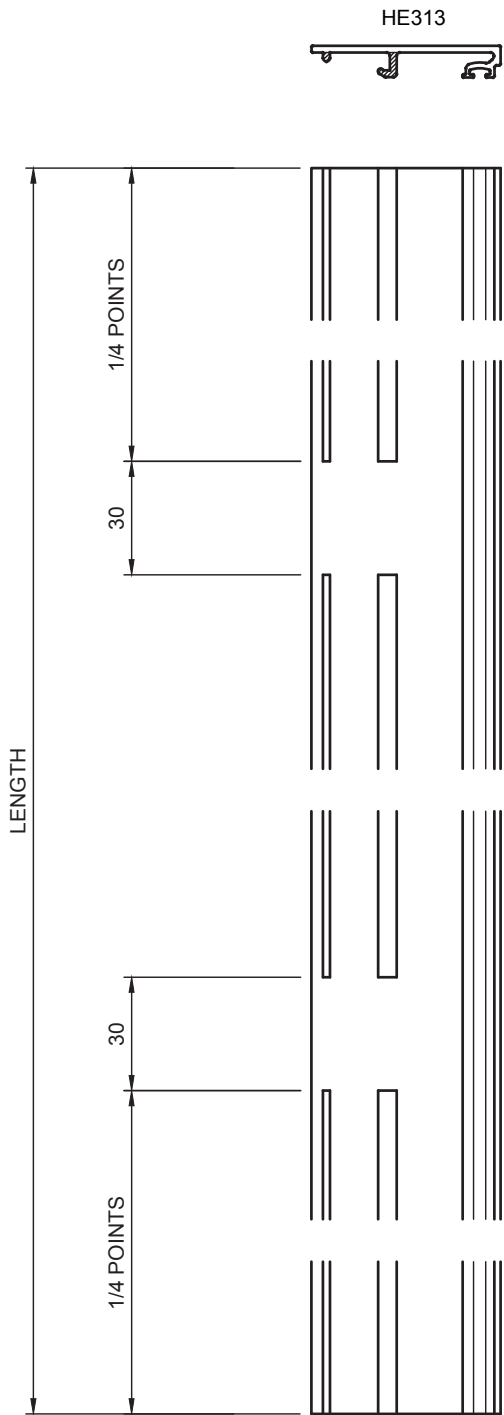
L.H. DRAWN
R.H. OPPOSITE



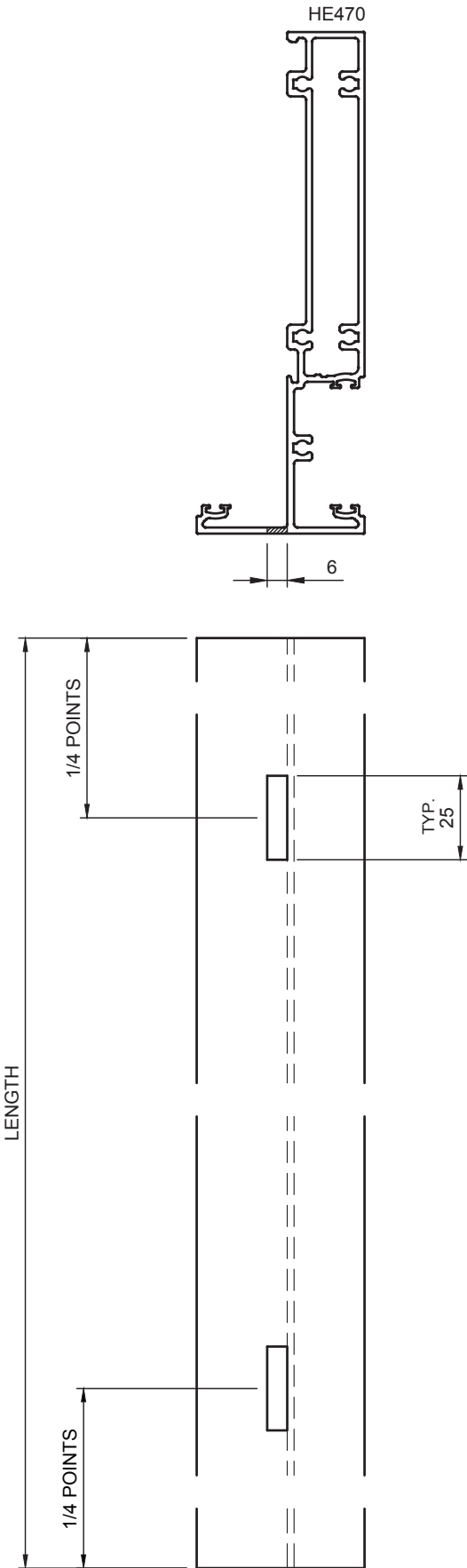
Drainage Preparation - External Glaze Transom



Drainage Preparation - External Glaze Bead



Frame Preparation - Internal Glaze Transom Drainage

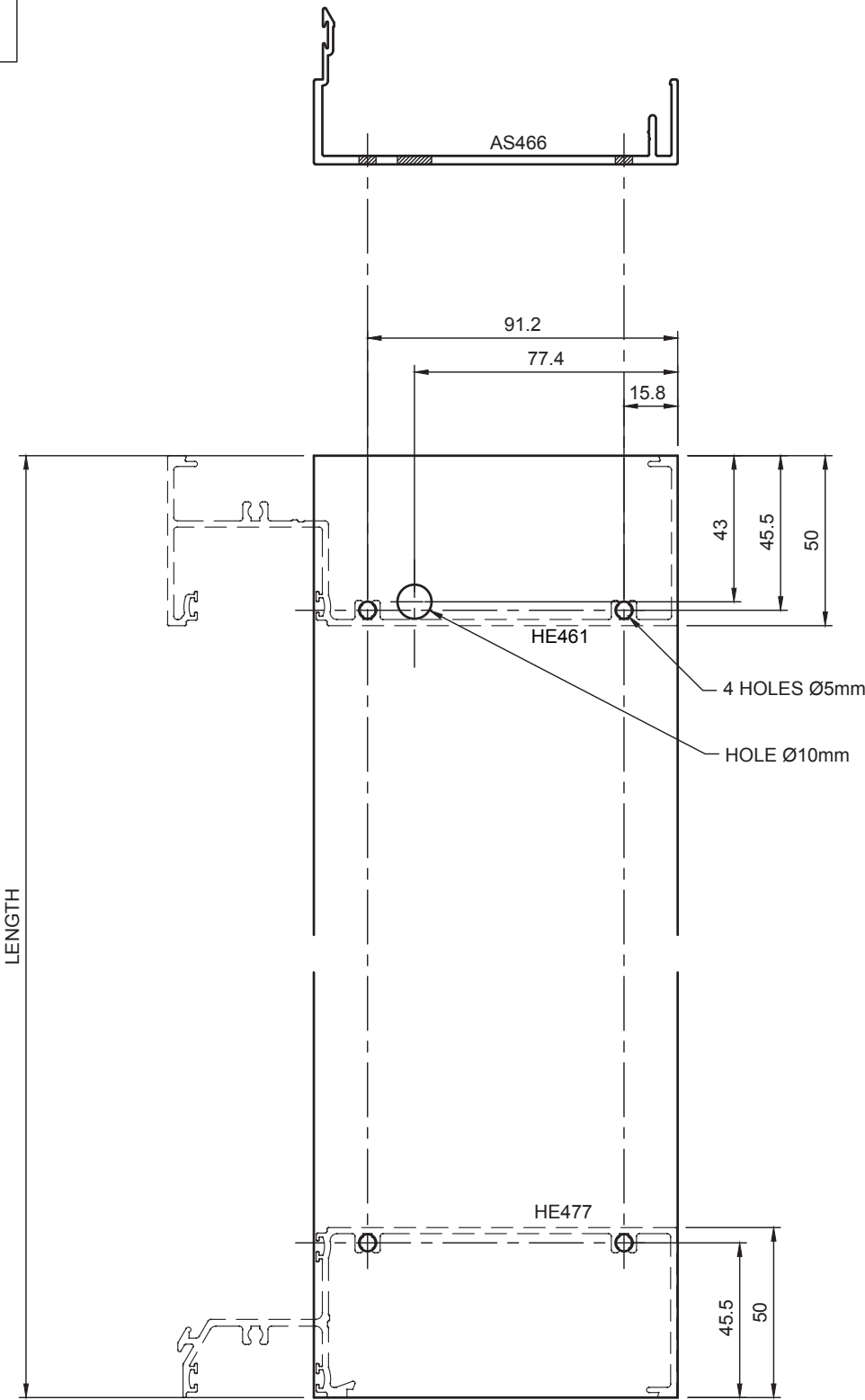


NOTE:
FOR TRANSOM WIDTHS
OVER 1300mm ADD AN
ADDITIONAL SLOT ON
TRANSOM CENTRELINE

NOTE:
SLOTS ONLY REQUIRED
IN TRANSOMS WHEN NOT
USED AS A SILL

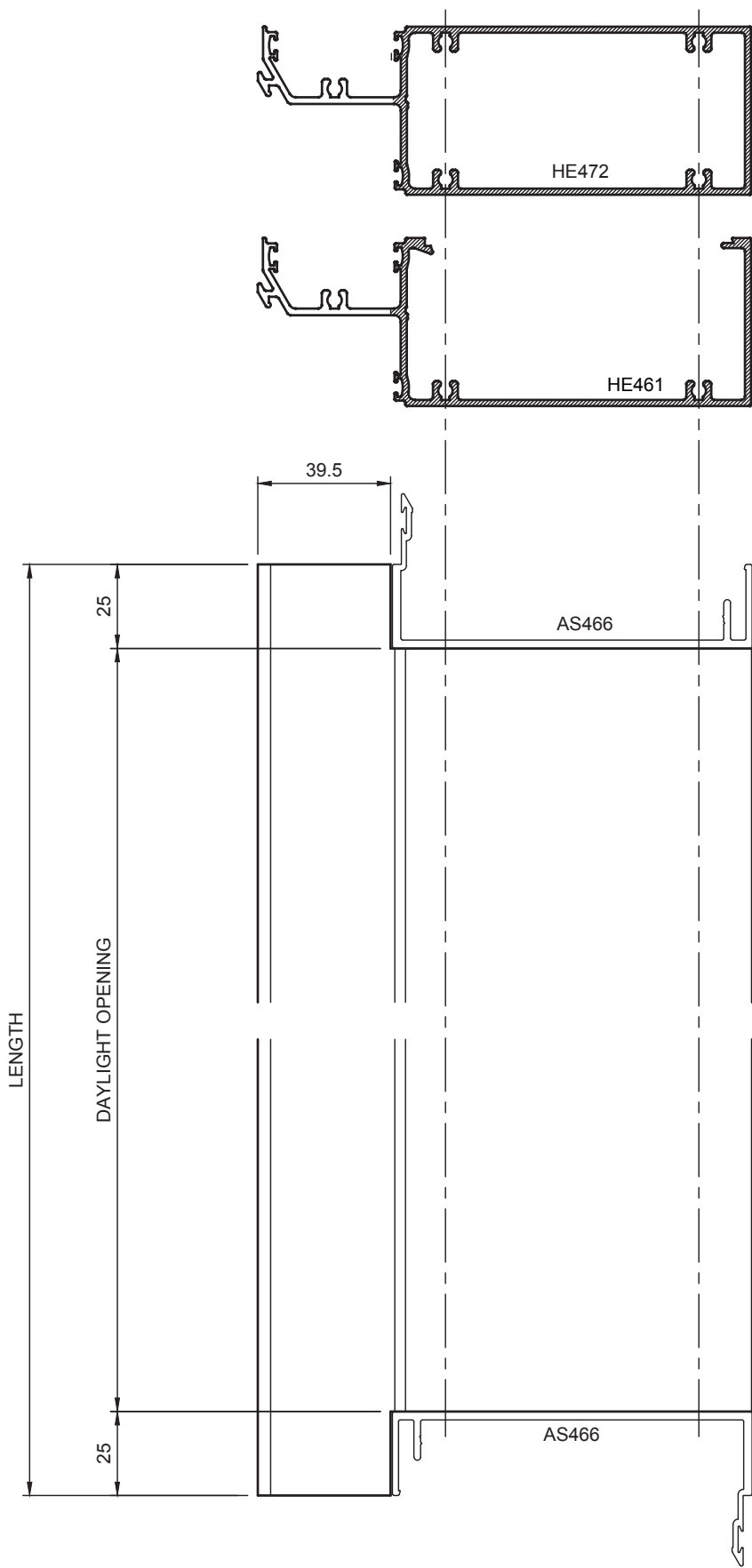
Structural Mullion Preparation

L.H. DRAWN
R.H. OPPOSITE



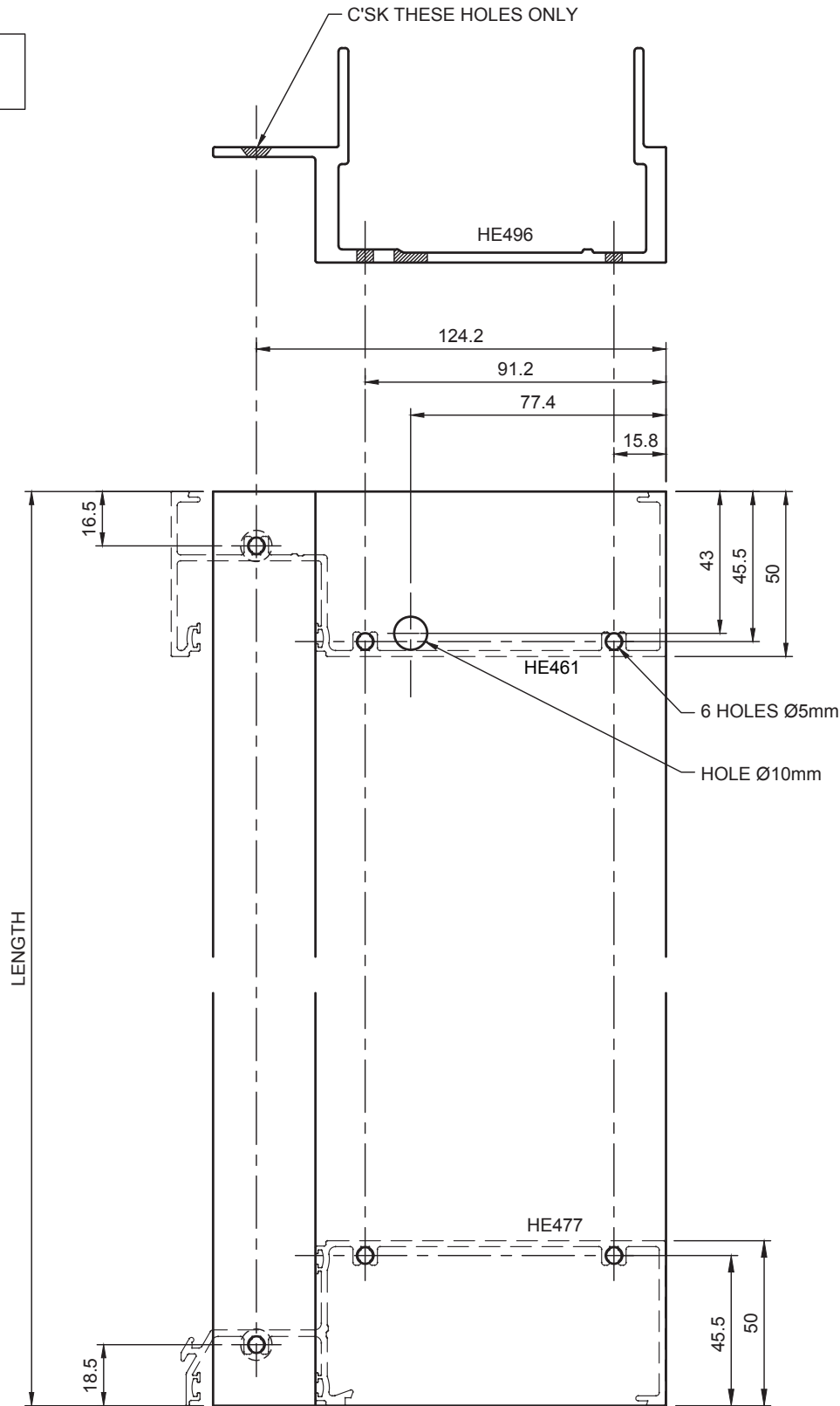
10. Manufacturing Details

Sill / Transom Preparation



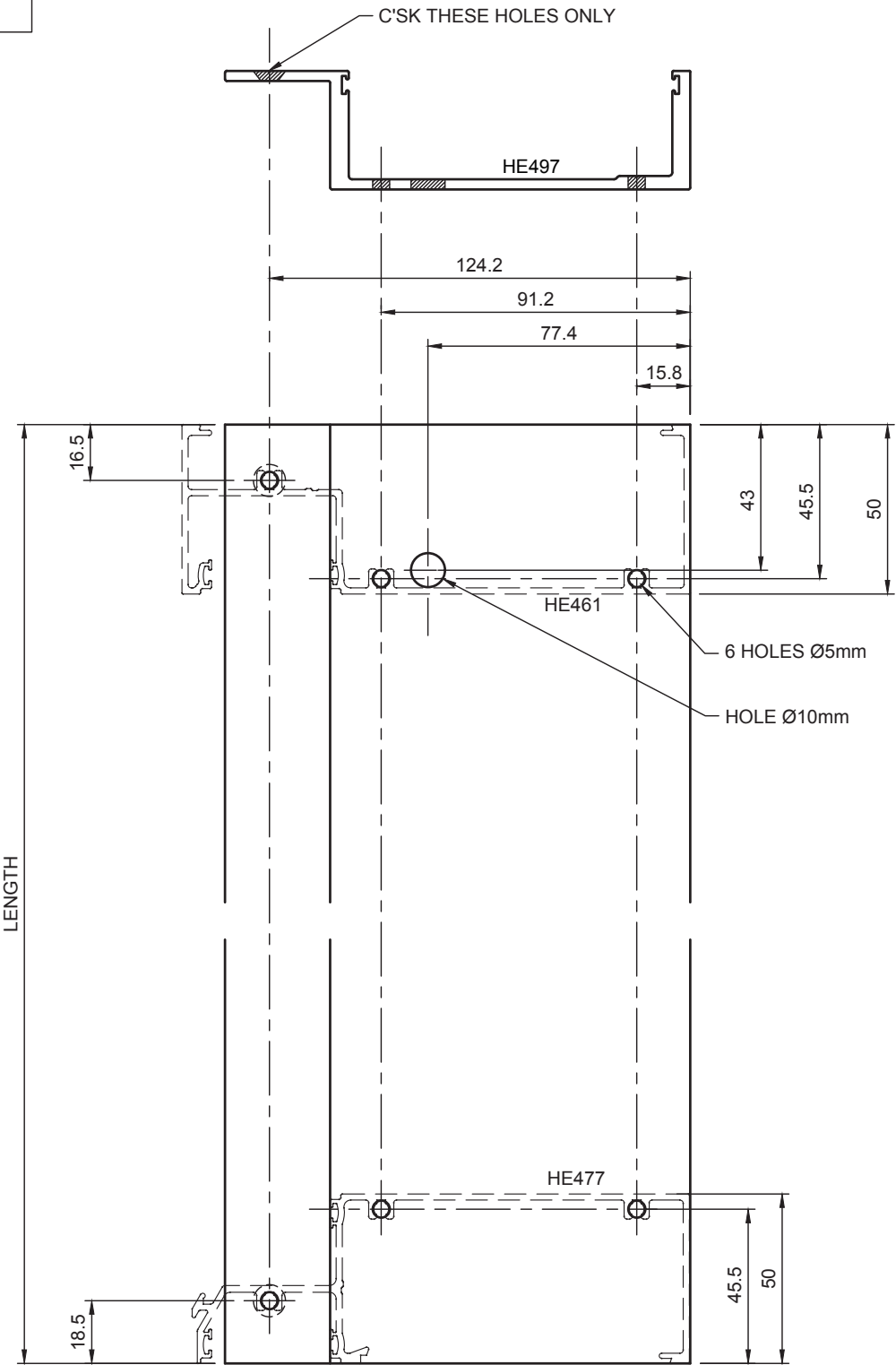
DG Male Structural Mullion Preparation

L.H. DRAWN
R.H. OPPOSITE

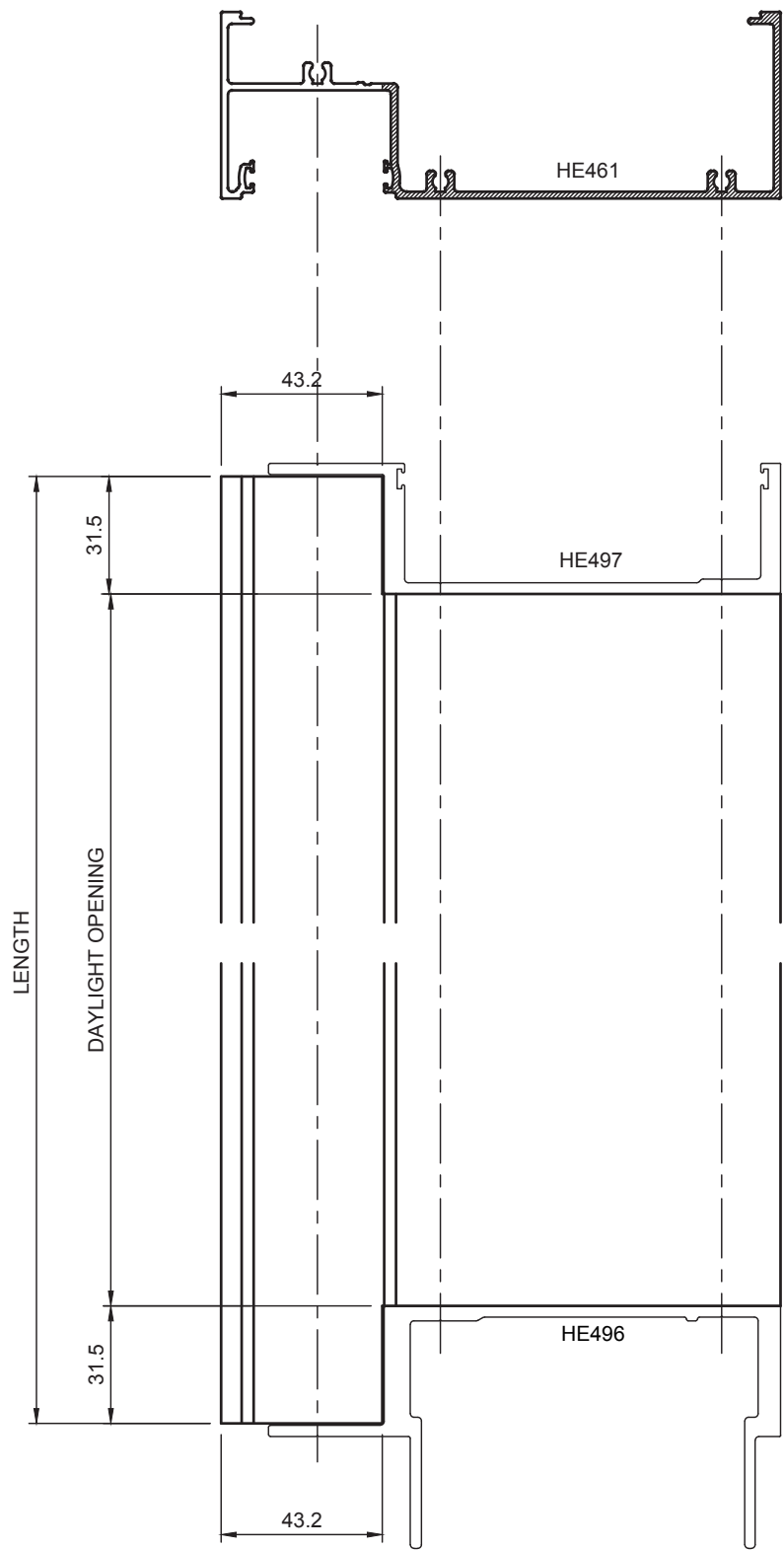


Female Structural Mullion Preparation

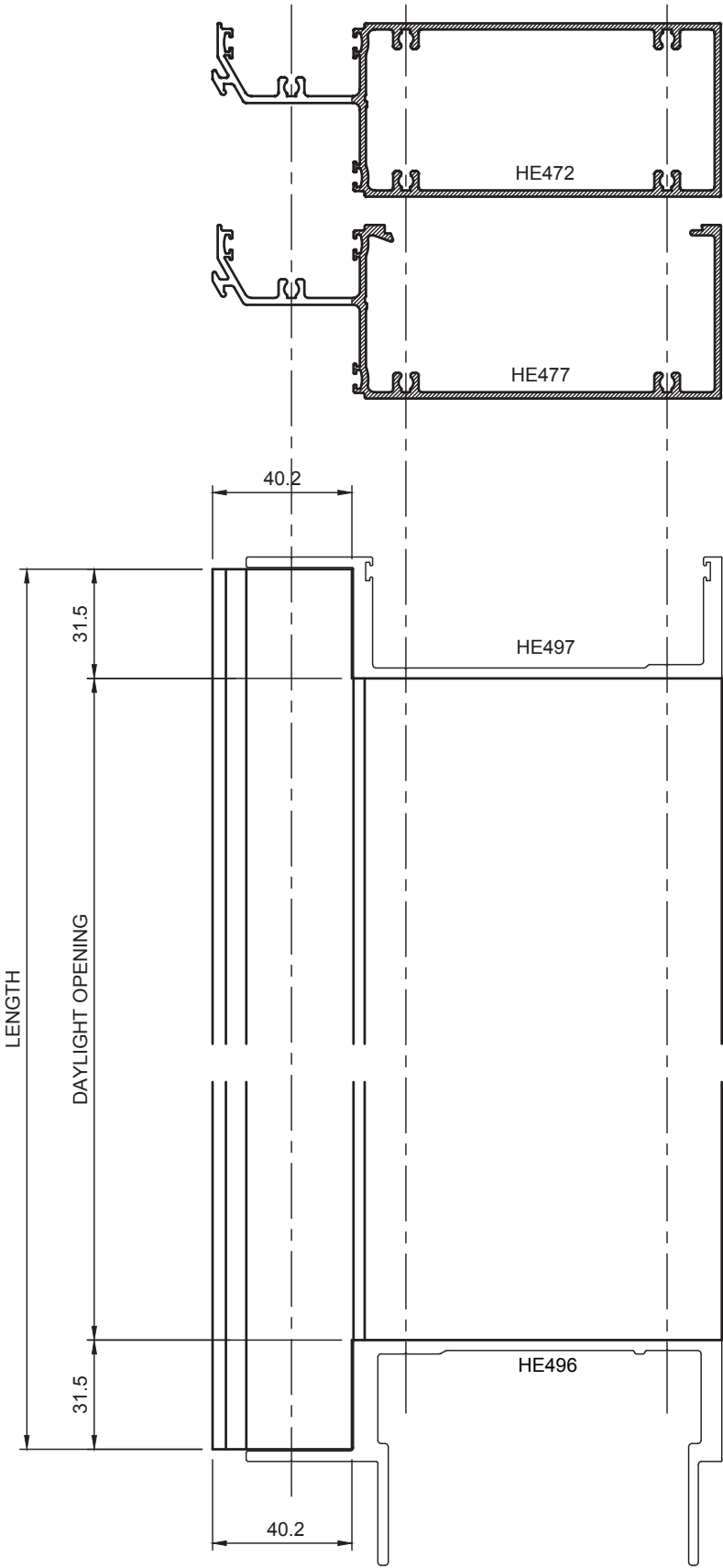
L.H. DRAWN
R.H. OPPOSITE



Frame Preparation - Head with DG Structural Mullions

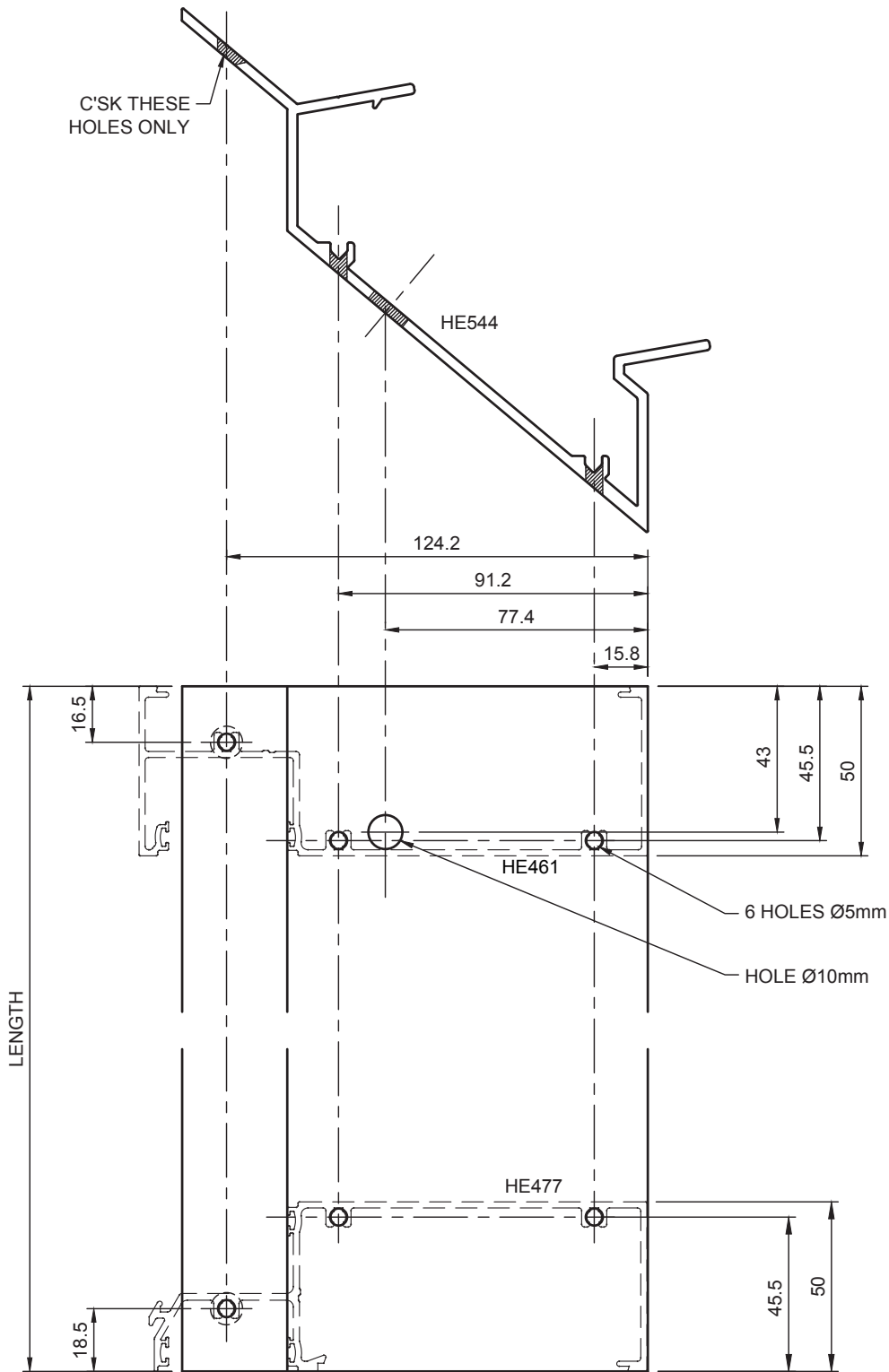


Sill / Transom with DG Structural Mullion Preparation



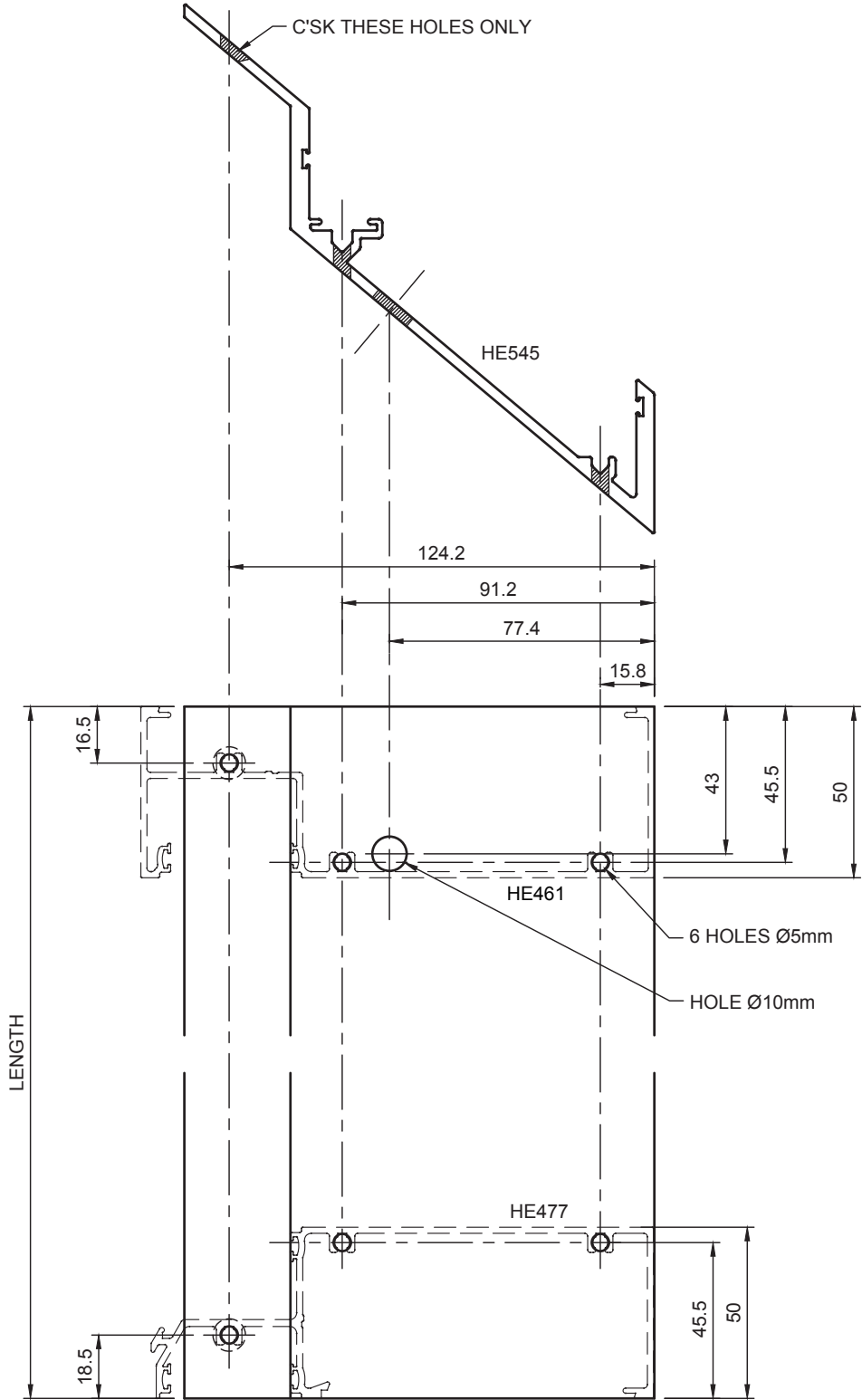
100° Corner Male Structural Glazed Mullion Preparation

L.H. DRAWN
R.H. OPPOSITE

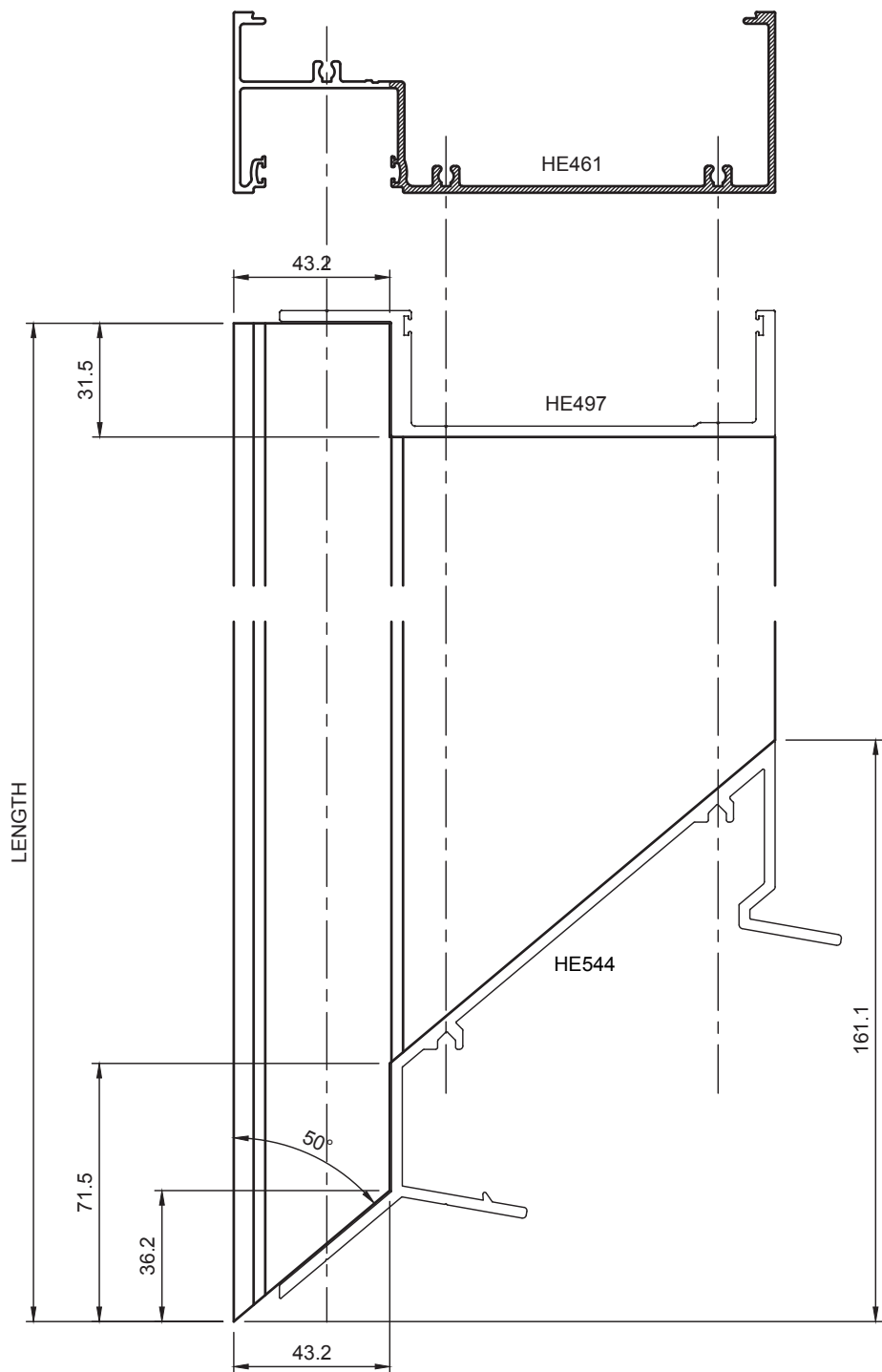


100° Corner Female Structural Glazed Mullion Preparation

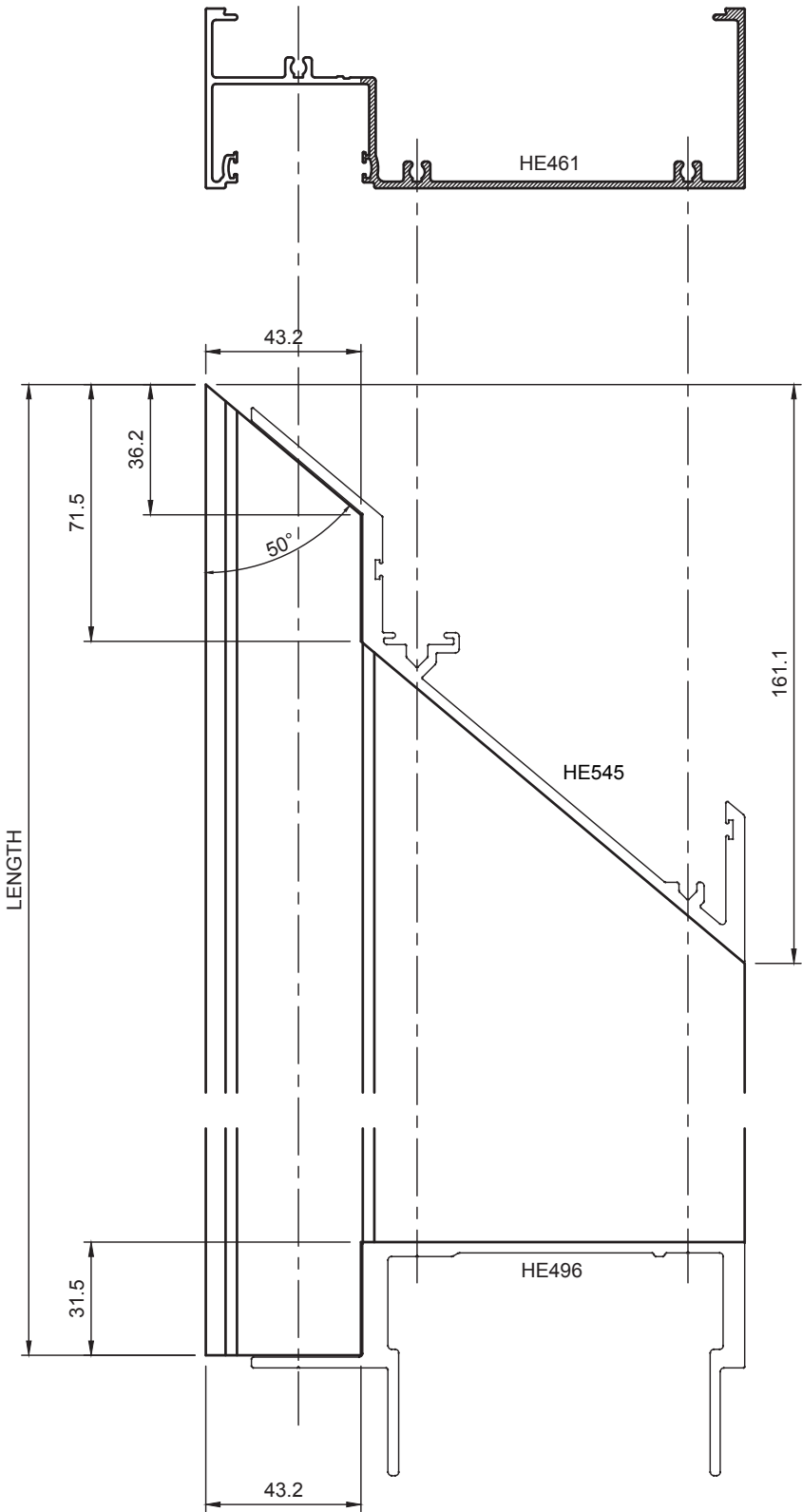
L.H. DRAWN
R.H. OPPOSITE



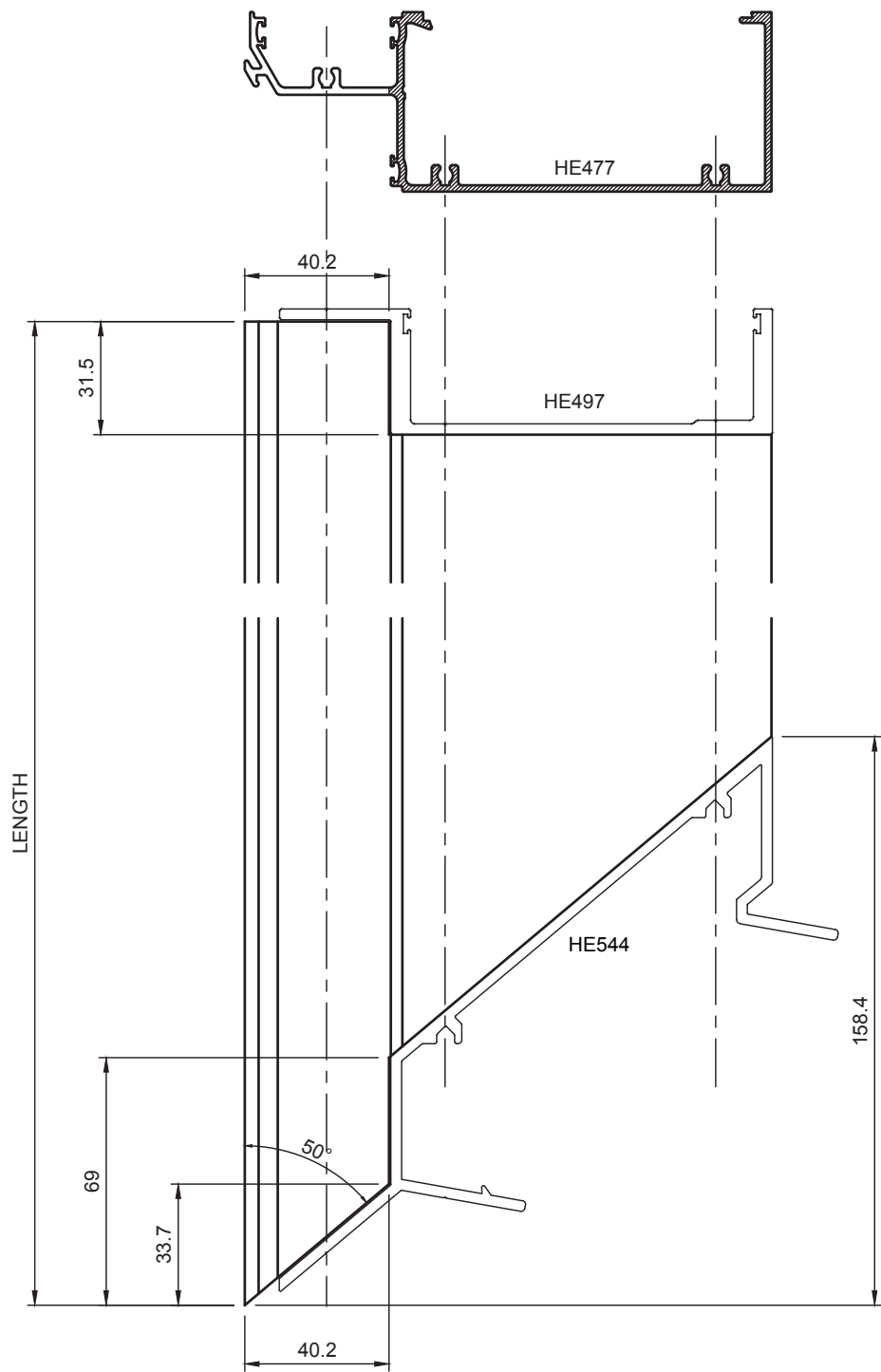
Head with 100° DG Male Structural Glazed Mullion Preparation



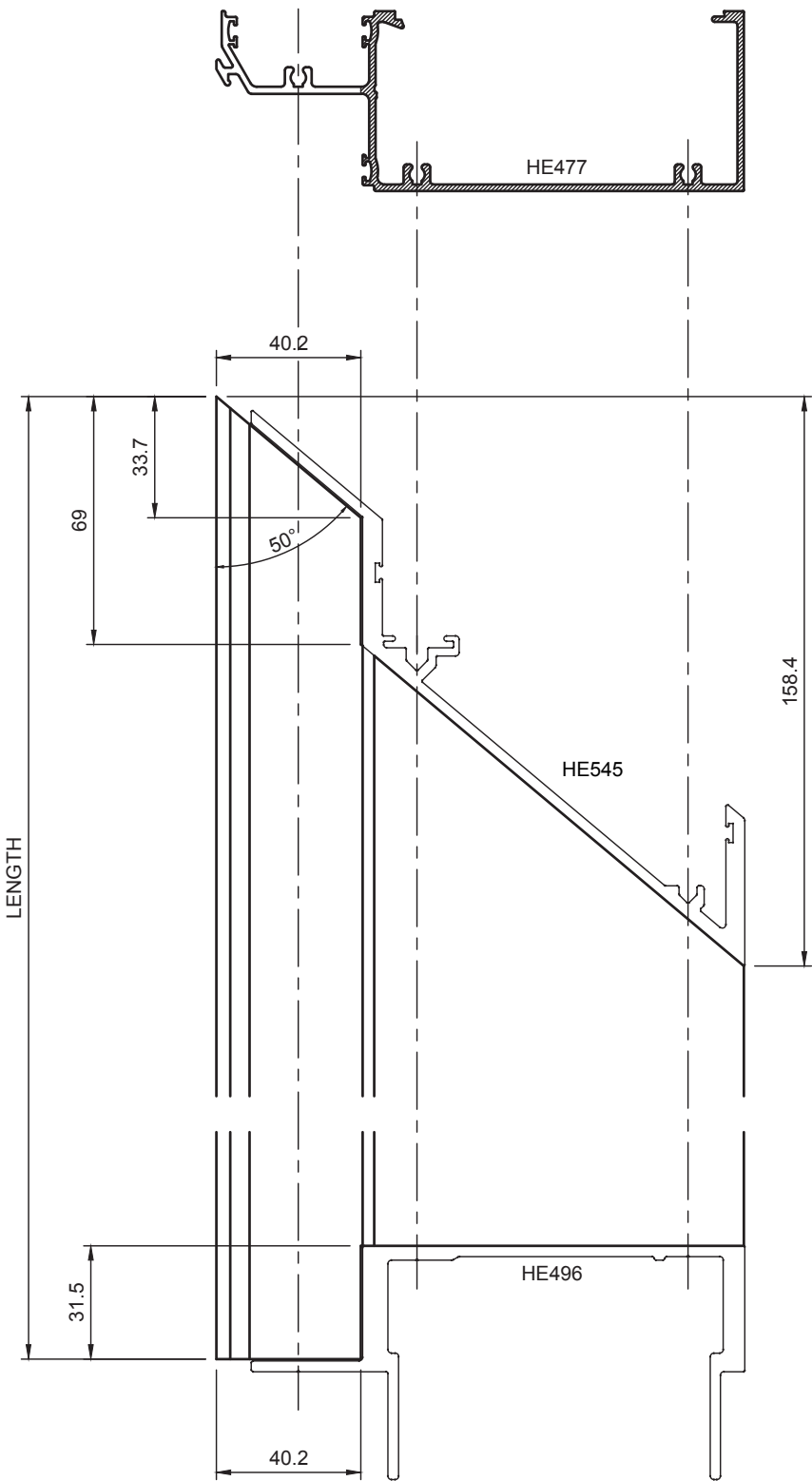
Head with 100° DG Female Structural Glazed Mullion Preparation



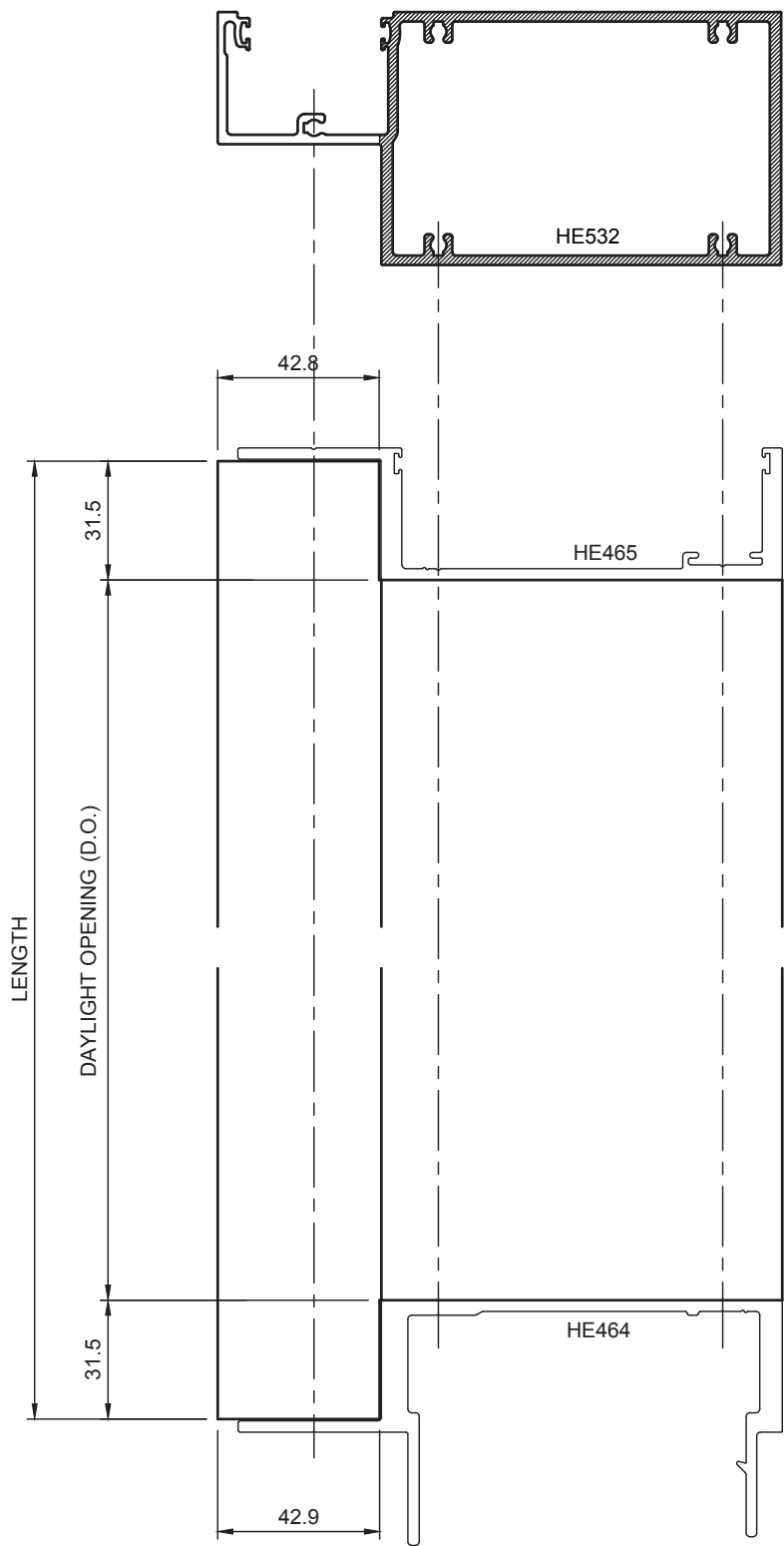
Sill with 100° DG Male Structural Glazed Mullion Preparation



Sill with 100° DG Female Structural Glazed Mullion Preparation

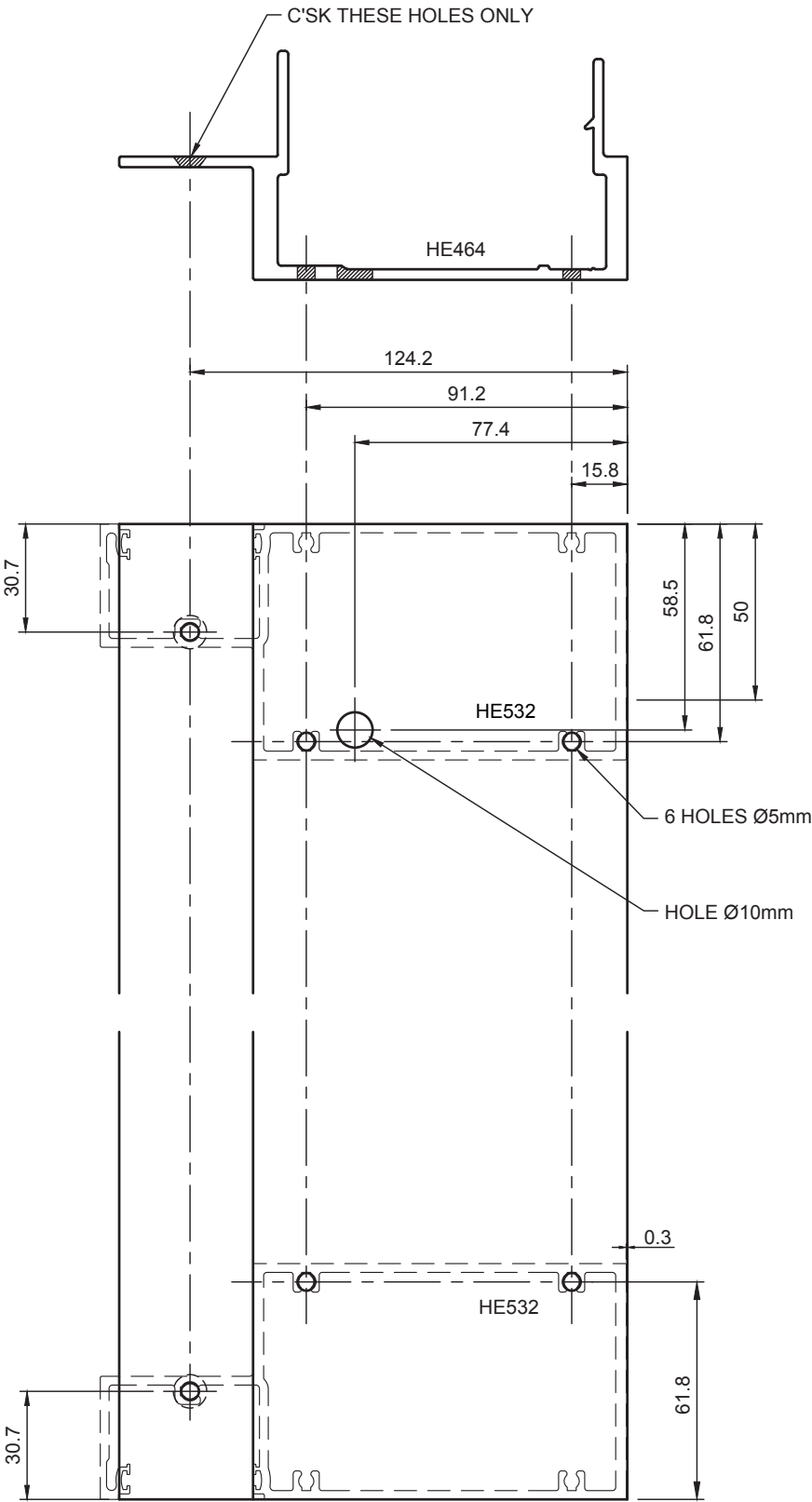


HE532 Structural Glazed Head / Sill with Structural Glazed Mullion Preparation



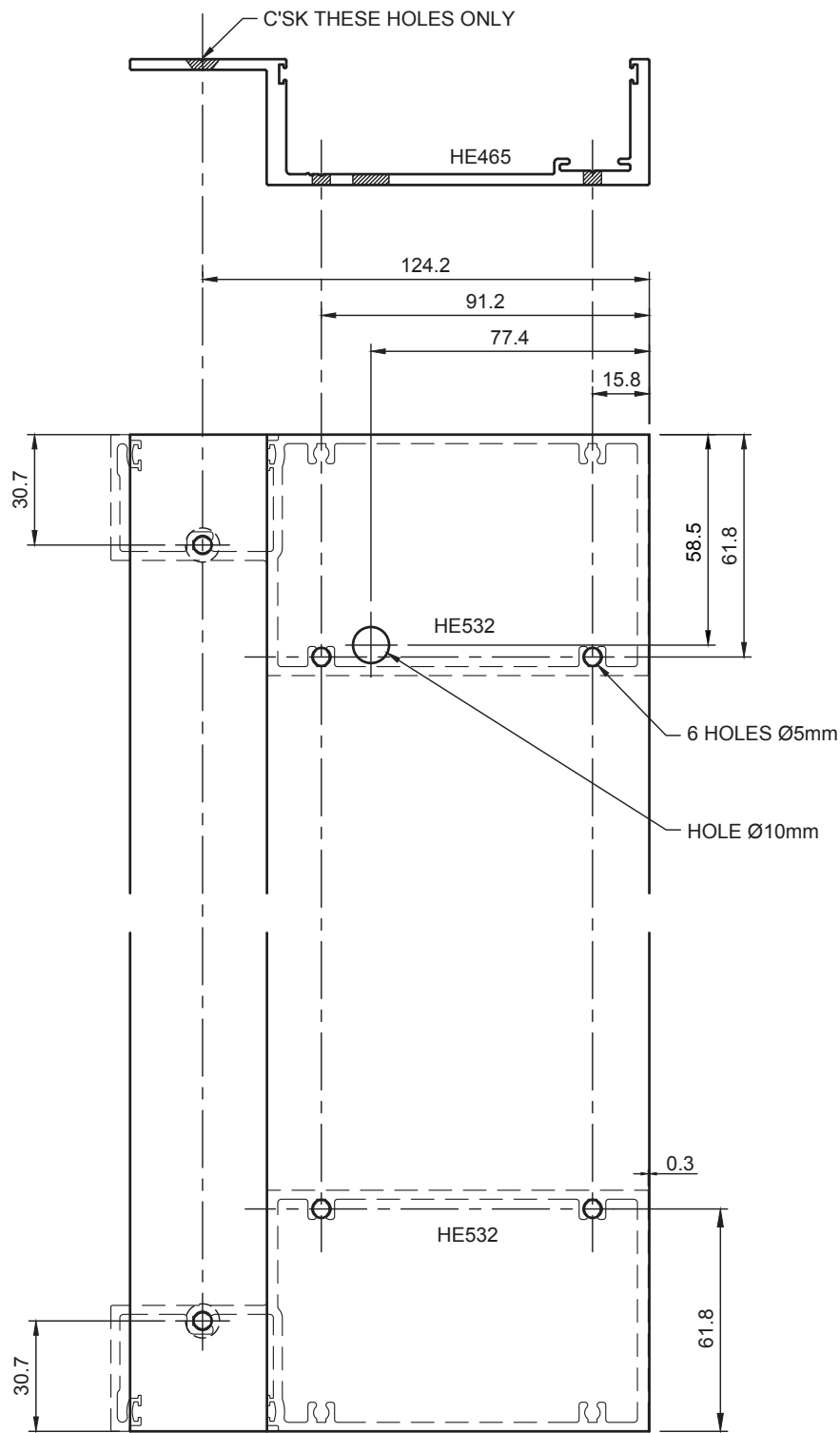
Male Structural Glazed Mullion Preparation (30mm Rebate)

L.H. DRAWN
R.H. OPPOSITE



Female Structural Glazed Mullion Preparation (30mm Rebate)

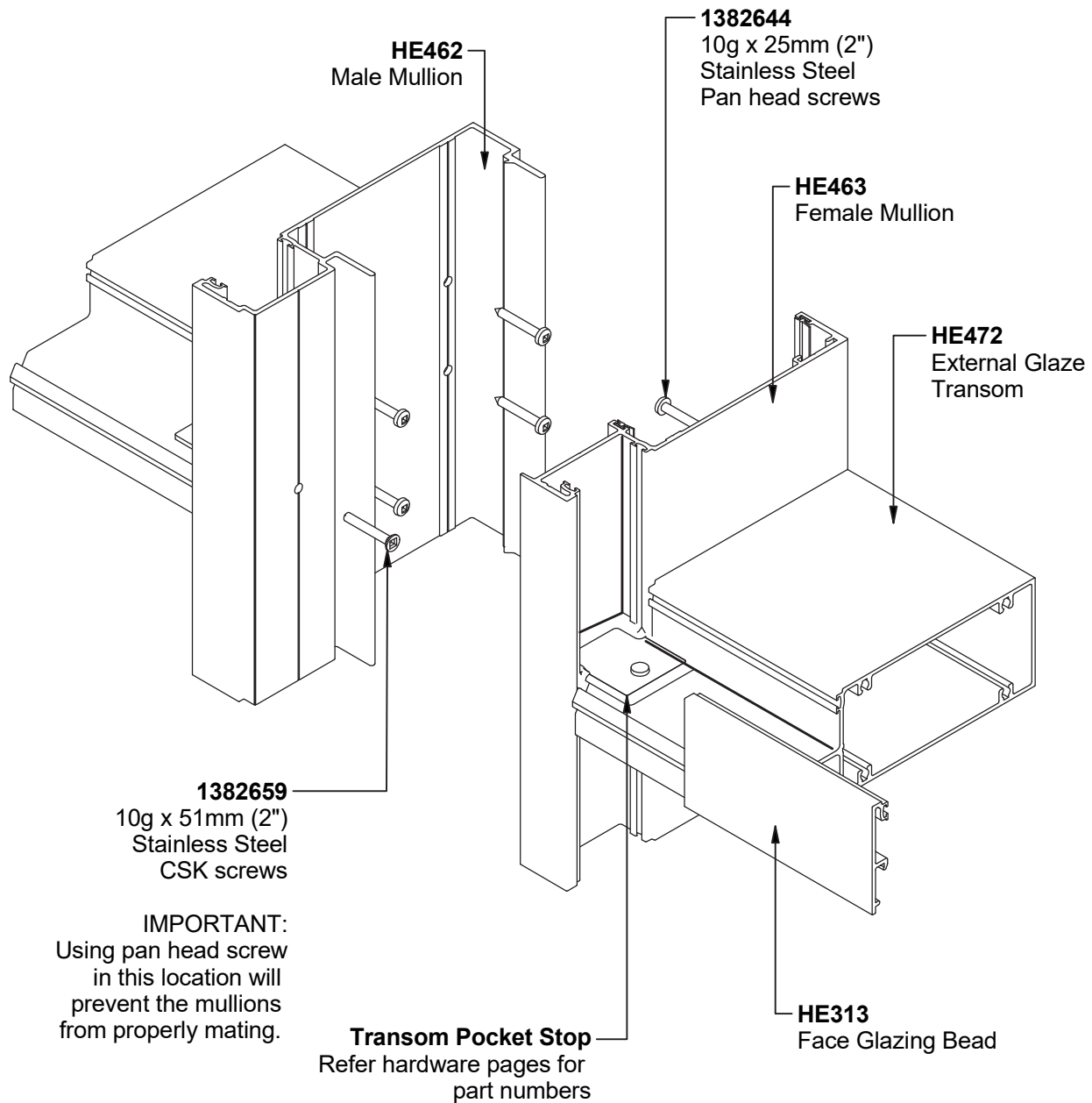
L.H. DRAWN
R.H. OPPOSITE





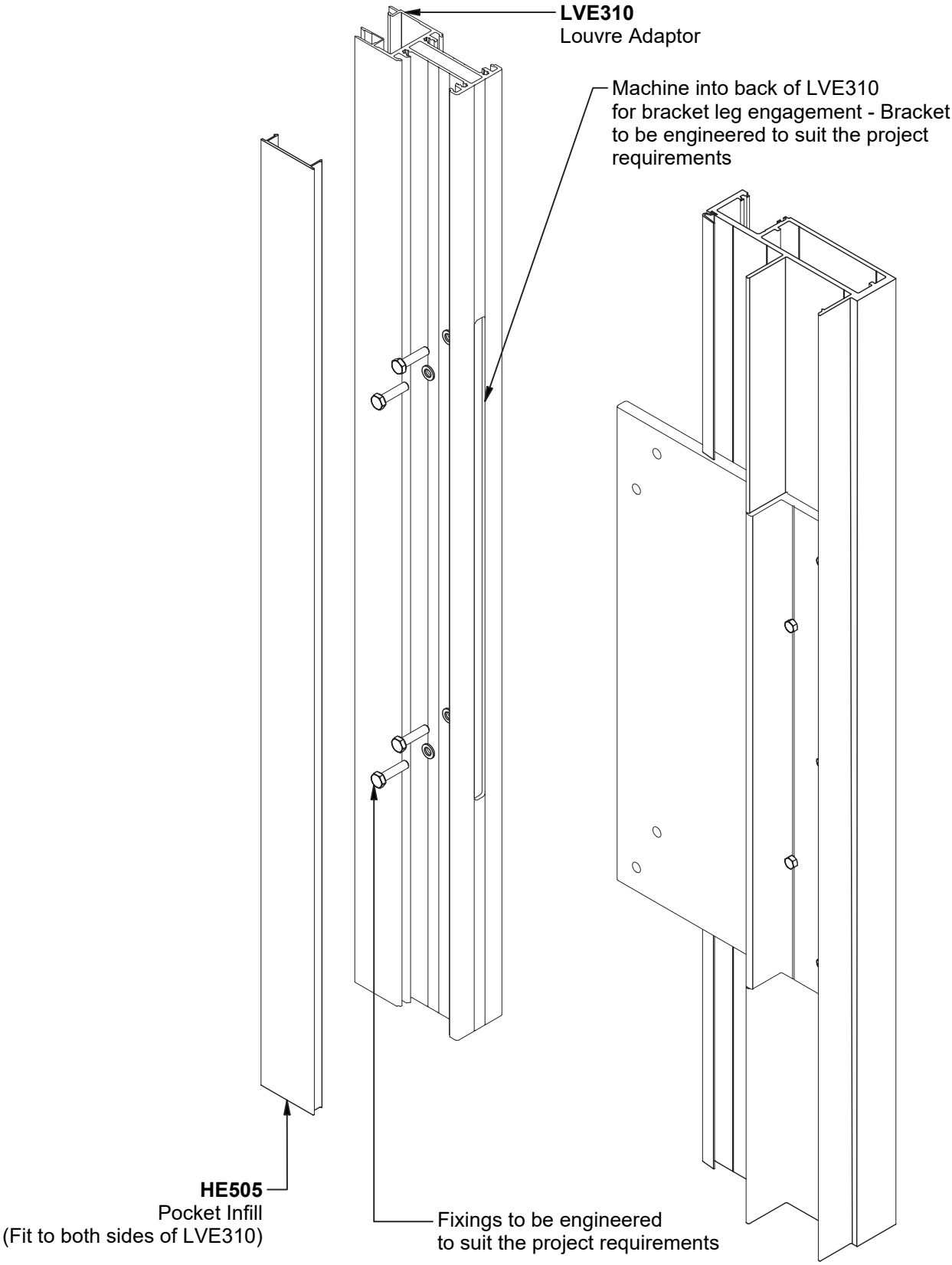
11. Assembly Details

Transom Assembly and Sealing Details

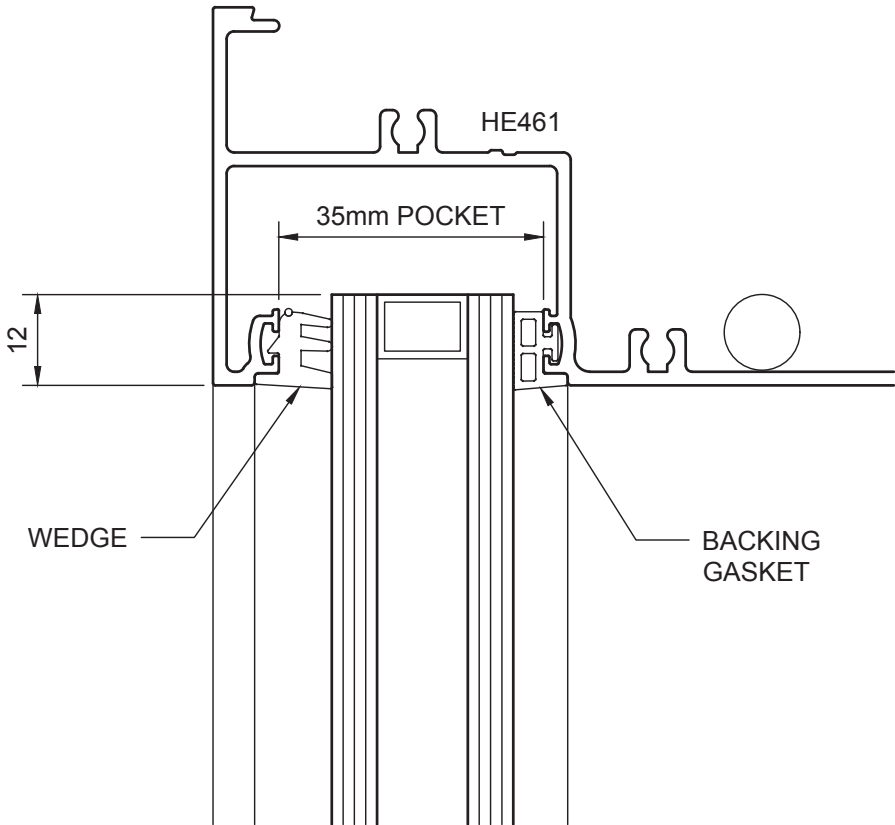


Insert into the glazing pocket
and place on a bed of sealant.
Rivet or screw into position,
then completely seal the
glazing pocket and tool in
for maximum adhesion.

LVE310 Assembly Details - Vertical Solaire Louvre



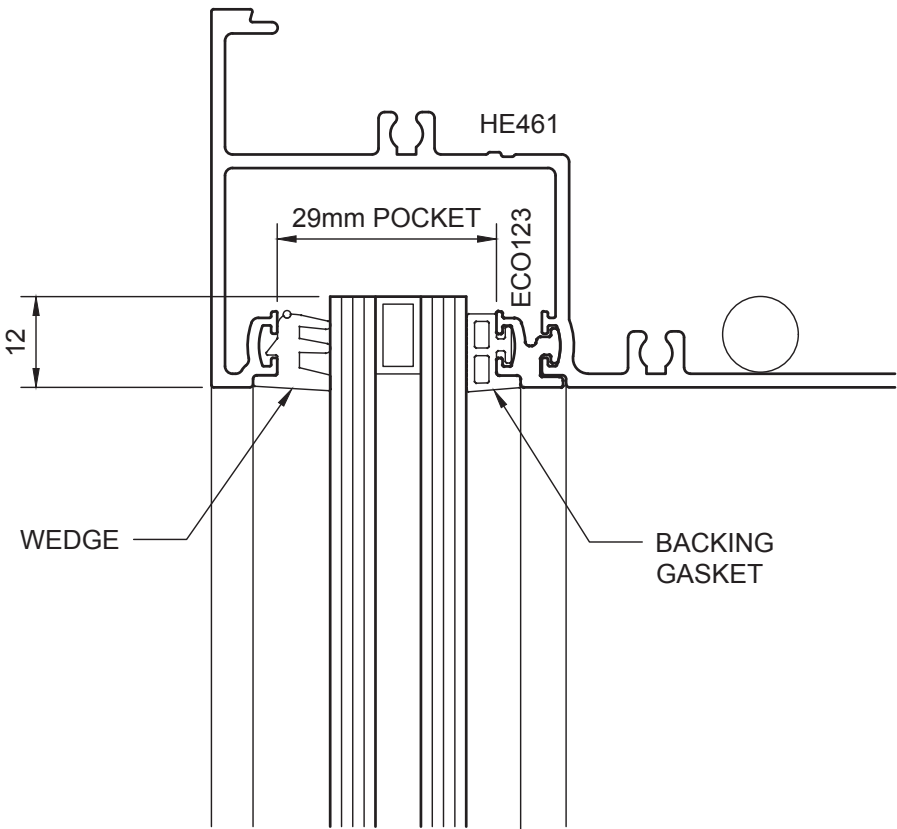
Glazing Details - Captive



	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
22mm	RED	GR47 (7mm)	GR49 (6mm)	CE49 (6mm)
24mm	RED	GR47 (7mm)	GR37 (4mm)	CE37 (4mm)
25mm	YELLOW	GR46 (6mm)	GR37 (4mm)	CE37 (4mm)
28mm	BLUE	GR45 (5mm)	GR36 (2mm)	CE36 (2mm)
30mm	BROWN	GR43 (3mm)	GR36 (2mm)	CE36 (2mm)

REVERSE GLAZING WEDGE COMBINATIONS FOR INTERNAL GLAZING

Glazing Details - with ECO123 Glazing Adaptor

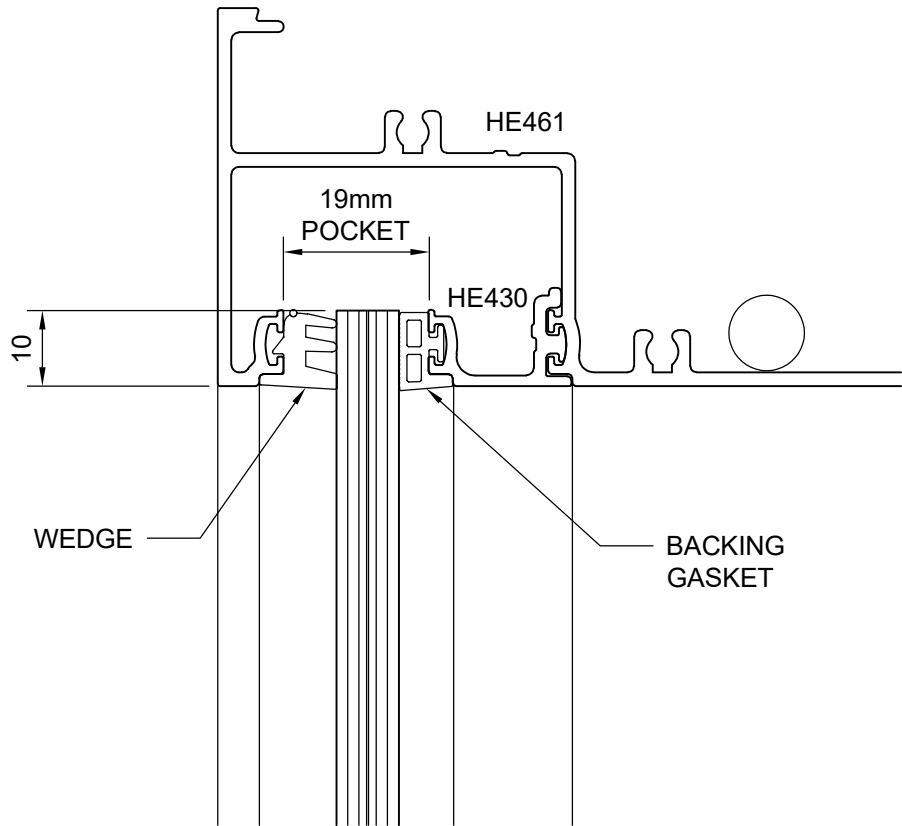


	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
15mm	ORANGE	GR48 (8mm)	GR49 (6mm)	CE49 (6mm)
16mm	RED	GR47 (7mm)	GR49 (6mm)	CE49 (6mm)
17mm	YELLOW	GR46 (6mm)	GR49 (6mm)	CE49 (6mm)
18mm	BLUE	GR45 (5mm)	GR49 (6mm)	CE49 (6mm)
20mm	BLUE	GR45 (5mm)	GR37 (4mm)	CE37 (4mm)

REVERSE GLAZING WEDGE COMBINATIONS FOR INTERNAL GLAZING

12. Glazing Details

Glazing Details - With HE430 Glazing Adaptor

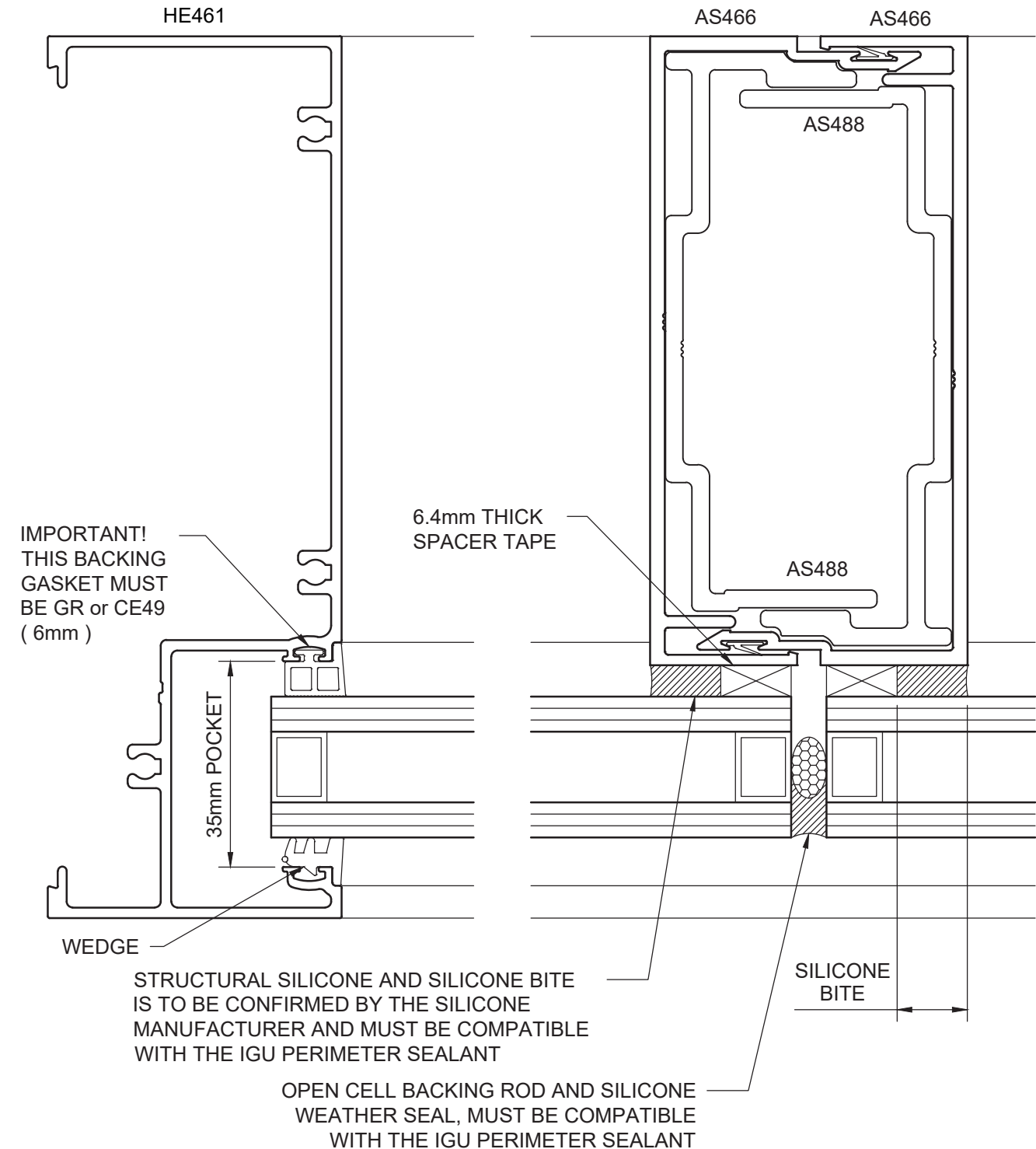


	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
6/6.38mm	RED	GR47 (7mm)	GR49 (6mm)	CE49 (6mm)
8/8.38mm	BLUE	GR45 (5mm)	GR49 (6mm)	CE49 (6mm)
10/10.38mm	BLUE	GR45 (5mm)	GR37 (4mm)	CE37 (4mm)
12/12.38mm	BLUE	GR45 (5mm)	GR36 (2mm)	CE36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

REVERSE GLAZING WEDGE COMBINATIONS FOR INTERNAL GLAZING

12. Glazing Details

Glazing Details - Structural Glazed Mullion

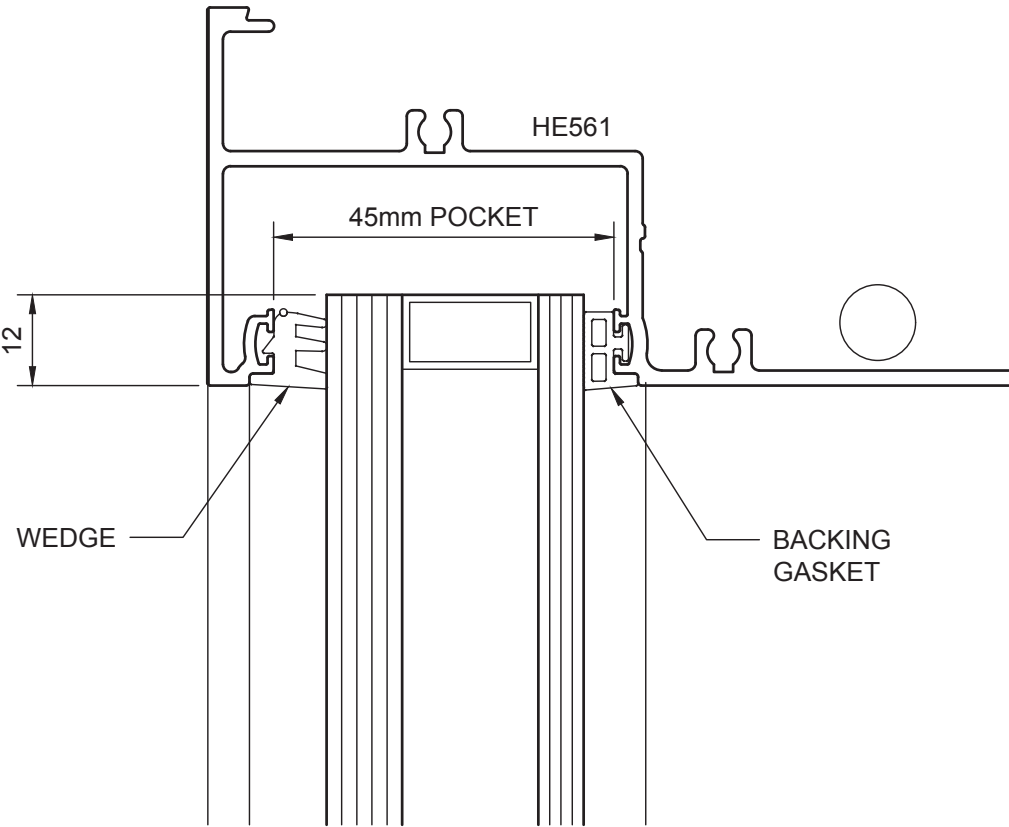


	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	
24mm	BLUE	GR45 (5mm)	GR49 (6mm)	CE49 (6mm)
25mm	WHITE	GR44 (6mm)	GR49 (6mm)	CE49 (6mm)



12. Glazing Details

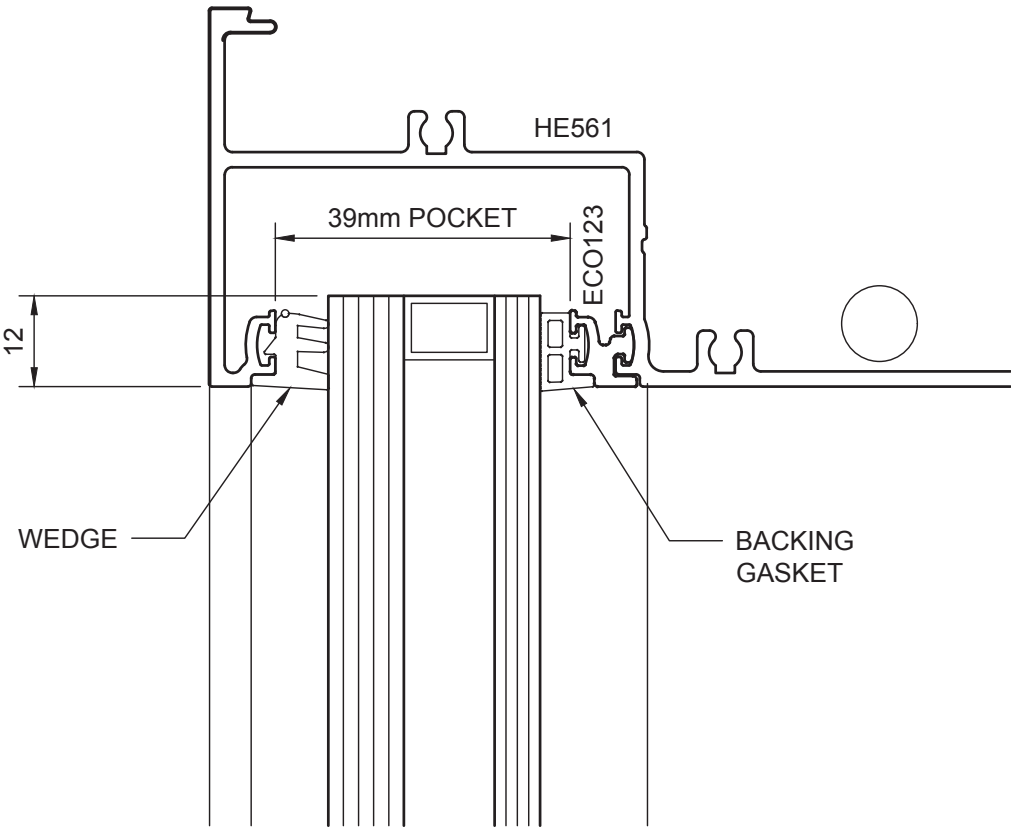
Glazing Details - Wide Pocket Captive Glazing



	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
32mm	RED	GR47 (7mm)	GR49 (6mm)	CE49 (6mm)
34mm	RED	GR47 (7mm)	GR37 (4mm)	CE37 (4mm)
35mm	YELLOW	GR46 (6mm)	GR37 (4mm)	CE37 (4mm)
36mm	BLUE	GR45 (5mm)	GR37 (4mm)	CE37 (4mm)
38mm	BLUE	GR45 (5mm)	GR36 (2mm)	CE36 (2mm)
40mm	BROWN	GR43 (3mm)	GR36 (2mm)	CE36 (2mm)

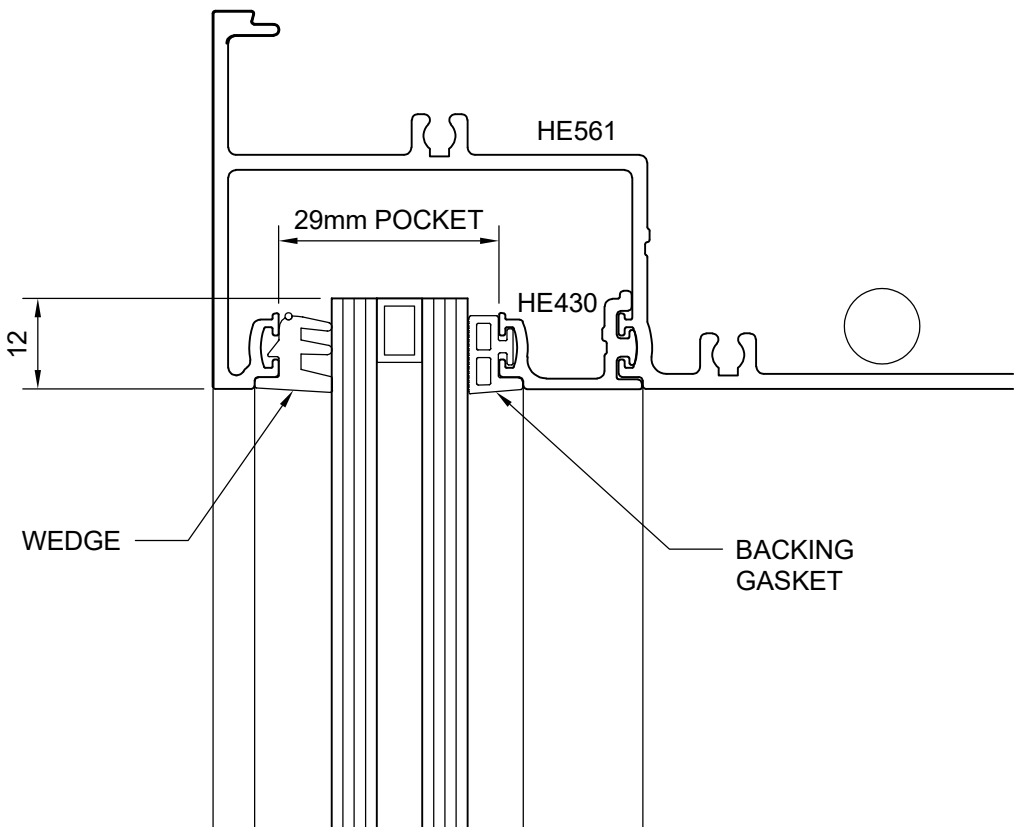
12. Glazing Details

Glazing Details - Wide Pocket & ECO123 Glazing Adaptor



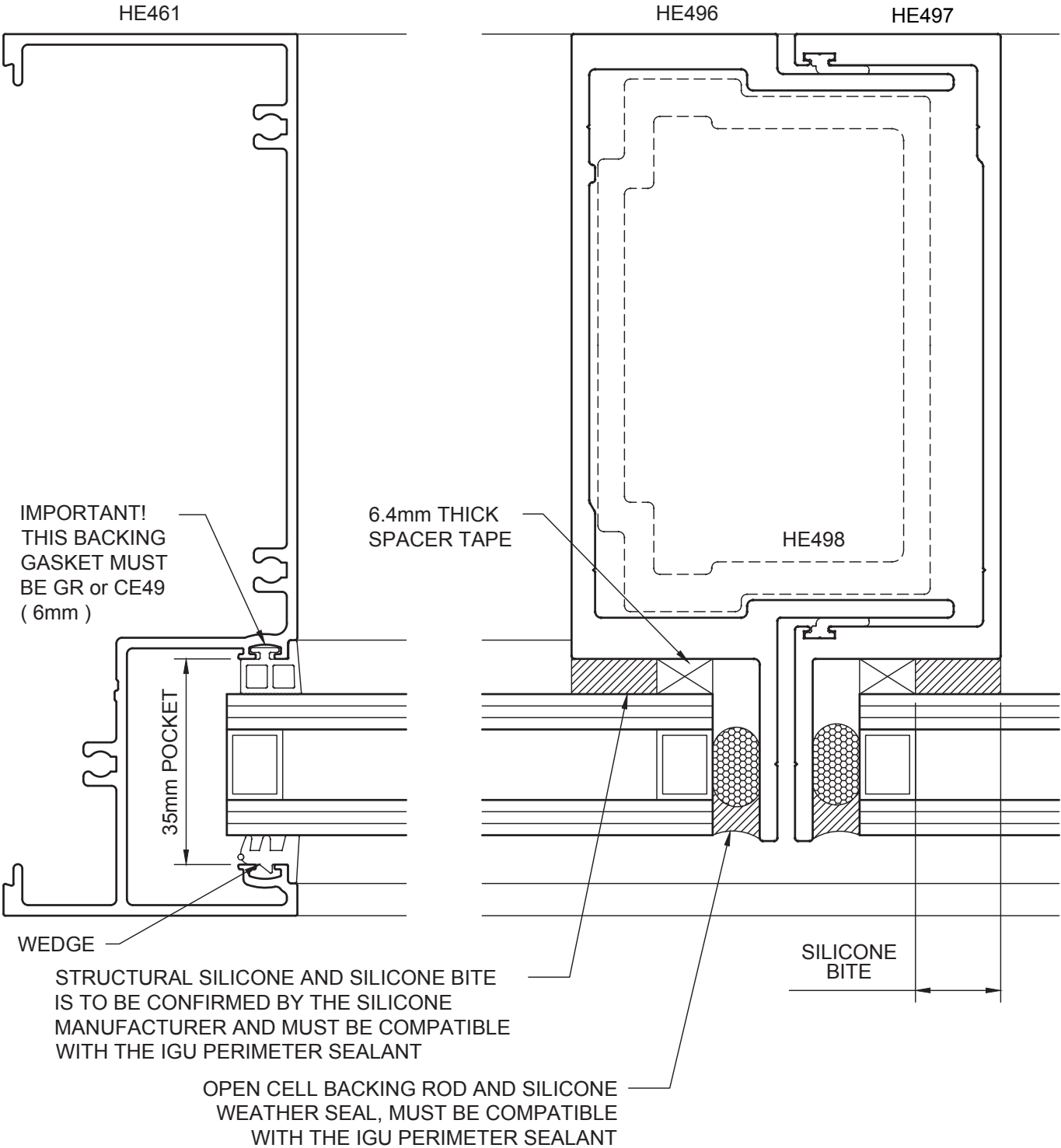
	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
25mm	ORANGE	GR48 (8mm)	GR49 (6mm)	CE49 (6mm)
28mm	RED	GR47 (7mm)	GR37 (4mm)	CE37 (4mm)
30mm	BLUE	GR45 (5mm)	GR37 (4mm)	CE37 (4mm)

Glazing Details - Wide Pocket & HE430 Glazing Adaptor



	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
16mm	RED	GR47 (7mm)	GR49 (6mm)	CE49 (6mm)
18mm	BLUE	GR45 (5mm)	GR49 (6mm)	CE49 (6mm)
20mm	BLUE	GR45 (5mm)	GR37 (4mm)	CE37 (4mm)
22mm	BLUE	GR45 (5mm)	GR36 (2mm)	CE36 (2mm)
24mm	BROWN	GR43 (3mm)	GR36 (2mm)	CE36 (2mm)

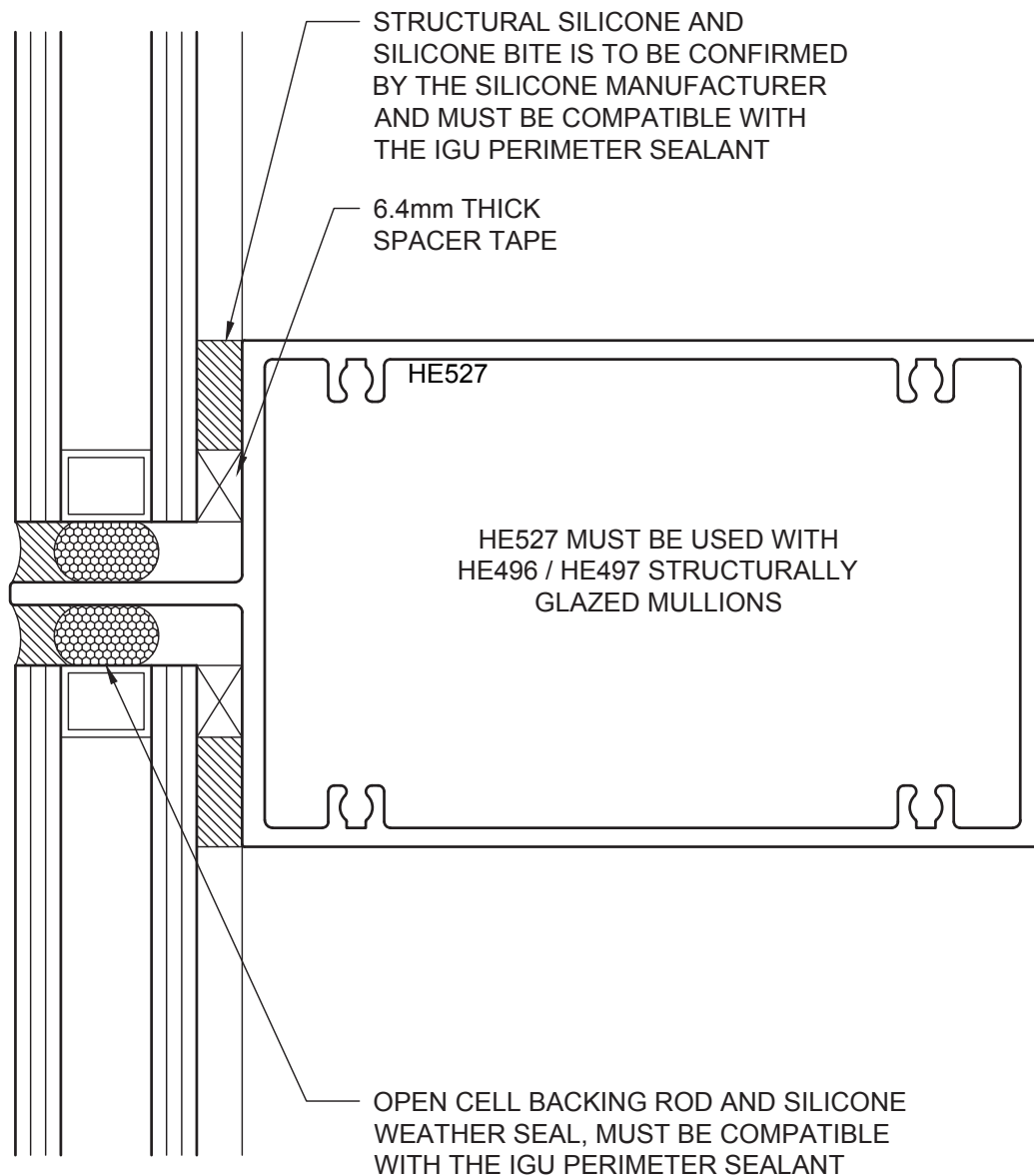
Glazing Details - Structural Glaze Mullion



	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
24mm	BLUE	GR45 (5mm)	GR49 (6mm)	CE49 (6mm)
25mm	WHITE	GR44 (4mm)	GR49 (6mm)	CE49 (6mm)

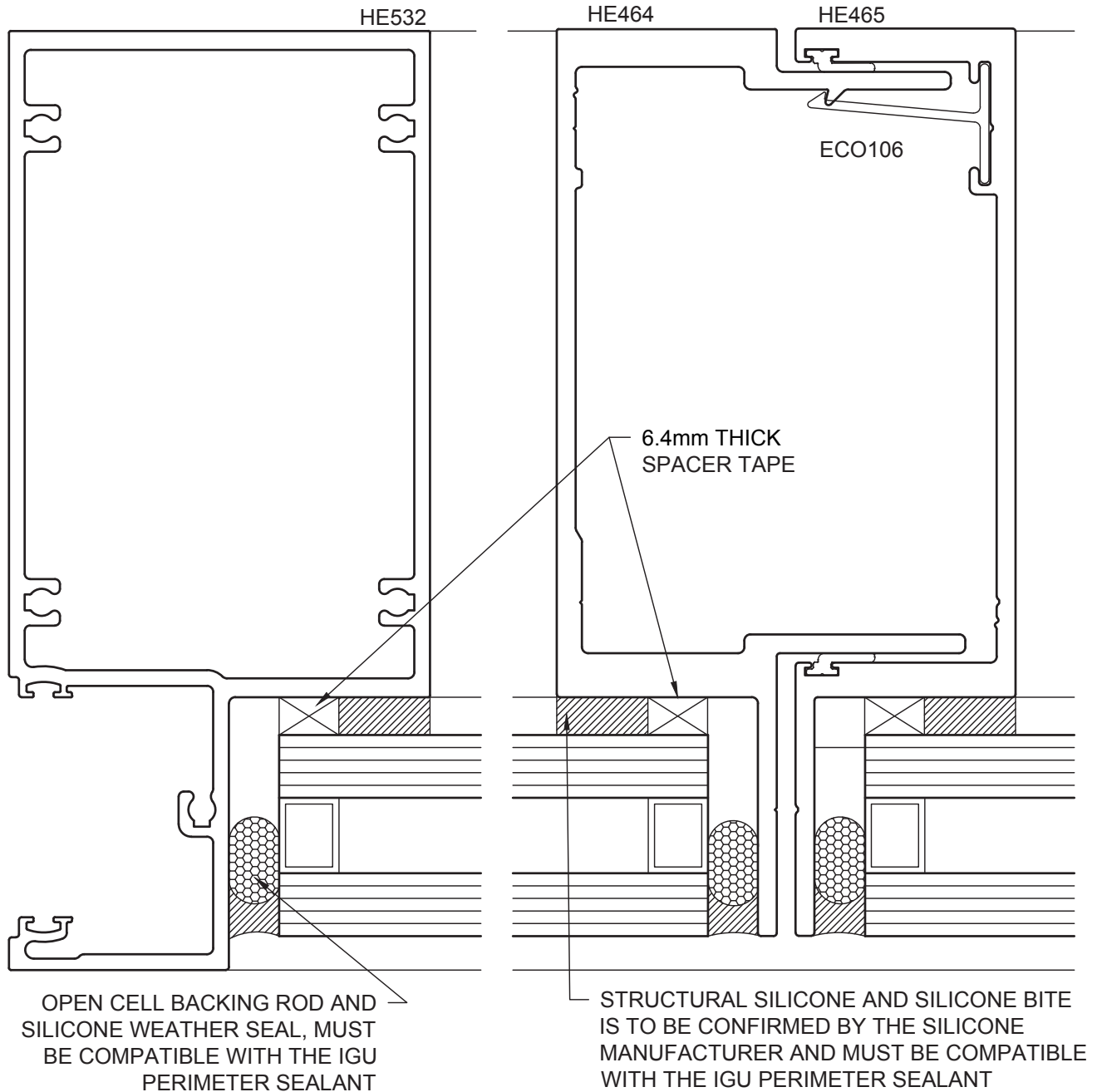
12. Glazing Details

Glazing Details - Structural Glaze Transom



12. Glazing Details

Glazing Details - HE464 / HE465 Structural Glaze Mullion



HE464 / HE465 STRUCTURALLY GLAZED
MULLIONS MUST BE USED WITH HE532.
MAXIMUM IGU TO BE 32mm

FRAMING

Your new **Hunter Evo 150mm Double Flush 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 **Hunter Evo 150mm Double Flush Glazed** frame will retain it's good looks and resist the elements for years to come.

The **Hunter Evo 150mm Double Flush Glazed** 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 **Hunter Evo 150mm Double Flush Glazed** 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 150mm Double Flush Glazed** 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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