



Air-Flo Plus
125mm Framing

Air-Flo Plus 125mm Framing

Technical Manual
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alspec[®]
EVERYTHING ALUMINIUM
& HARDWARE

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ALUMINIUM

Aluminium frames should be manufactured using Alspec's **AIR-FLO PLUS 125mm FRAMING** system with Breezway's Altair® Louvre Galleries, Alspec Aero Gallery or hinge door.

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

AIR-FLO Door

Max Panel Height: 2400mm

Max Panel Width: 1200mm.

Max Weight: 50kg.

SWAN EVO Panel

Max Panel Height: 3000mm

Max Panel Width: 1100mm

Max Weight: 100kg

GLAZING

Single Glazing: 4mm to 10.38mm thick.

Double Glazing: 18mm to 25mm thick.

Glazing wedges shall be Alspec's wedges for **AIR-FLO PLUS 125mm FRAMING** system to suit standard and captive glazing options, refer to glazing pages in Alspec Technical Manual. For window & door systems requiring a co-extruded captive gasket on the external side of the glazed pocket, Santoprene is the recommended material to be applied.

HARDWARE

Hardware to be as per Alspec Technical Manual.

FINISHED

- 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 requirements of AS2047 (windows in buildings), AS1170 (loading code). All glass, glazing rubbers, seals and gaskets shall be applied in accordance with the requirements of AS1288 (Glass in Buildings – Selection and Installation) or AS4666 (Insulated Glass Units).

Fabricators of the **AIR-FLO PLUS 125mm 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.

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, 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

Diagram illustrating the steps to find the Maximum Design Pressure (Pa) for a window/door with a height of 2400mm and a width of 1000mm:

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

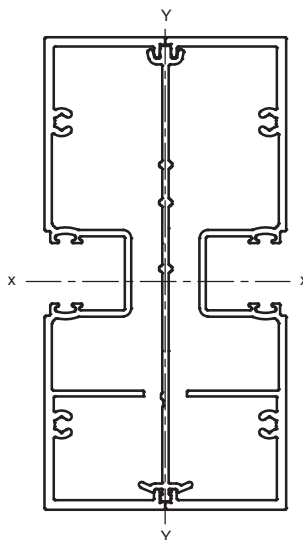
3. Loading Tables

AF212 / AF39 / AF212 Frame & Coupling Bar

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

AF212 / AF39 / AF212 JAMB & COUPLING BAR		Height	Maximum Design Pressure (Pa)						
	3000	S	3000	2680	2360	2110	1920	1760	1630
		U	5760	4960	4370	3910	3540	3250	3000
	2800	S	3000	3000	2920	2620	2380	2180	2030
		U	6000	5710	5030	4510	4090	3750	3470
	2600	S	3000	3000	3000	3000	3000	2760	2560
		U	6000	6000	5860	5260	4780	4390	4070
	2400	S	3000	3000	3000	3000	3000	3000	3000
		U	6000	6000	6000	6000	5660	5210	4850
	2200	S	3000	3000	3000	3000	3000	3000	3000
		U	6000	6000	6000	6000	6000	6000	5870
	2000	S	3000	3000	3000	3000	3000	3000	3000
		U	6000	6000	6000	6000	6000	6000	6000
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	6000	6000	6000	6000	6000	6000	6000
	1600	S	3000	3000	3000	3000	3000	3000	3000
		U	6000	6000	6000	6000	6000	6000	6000
	1400	S	3000	3000	3000	3000	3000	3000	3000
		U	6000	6000	6000	6000	6000	6000	6000
	1200	S	3000	3000	3000	3000	3000	3000	3000
		U	6000	6000	6000	6000	6000	6000	6000
I _{xx} = 2522 x 10 ³ mm ⁴		Width	600	700	800	900	1000	1100	1200

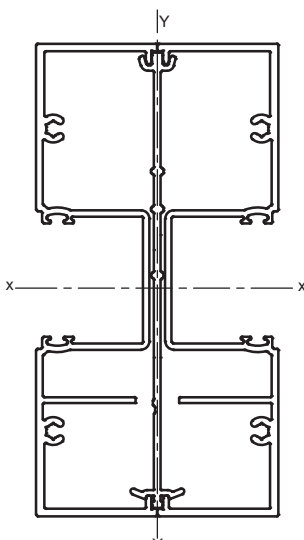
Tables are based on theoretical section properties

AF312 / AF39 / AF312 DG Frame & Coupling Bar

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

AF312 / AF39 / AF312 JAMB, COUPLING BAR & FRAME	Height	Maximum Design Pressure (Pa)							
	3000	S	2090	1820	1610	1460	1340	1240	1170
		U	3980	3450	3060	2760	2530	2340	2190
	2800	S	2590	2250	2000	1820	1670	1560	1470
		U	4600	3990	3540	3210	2940	2740	2570
	2600	S	3000	2840	2540	2310	2130	2000	1890
		U	5360	4660	4150	3770	3470	3240	3060
	2400	S	3000	3000	3000	3000	2780	2620	2500
		U	6340	5530	4940	4500	4170	3910	3720
	2200	S	3000	3000	3000	3000	3000	3000	3000
		U	7620	6670	5990	5480	5100	4830	4630
	2000	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	8210	7420	6840	6420	6140	5960
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	8810	8390	8140	8060
	1600	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
	1400	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
	1200	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000
$I_{xx} = 2301 \times 10^3 \text{ mm}^4$	Width	600	700	800	900	1000	1100	1200	

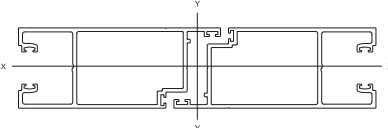
Tables are based on theoretical section properties

AFD16 / AFD16 Meeting Stiles

Max Stress = 110Mpa

S = Serviceability limit state I/100

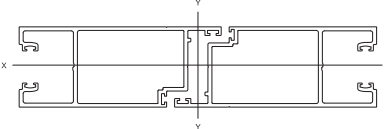
U = Ultimate limit state

AFD16 / AFD16 MEETING STILES	Height	Maximum Design Pressure (Pa)							
	2400	S	1970	1700	1500	1350	1230	1140	1060
		U	3610	3120	2750	2470	2250	2070	1930
	2300	S	2240	1940	1720	1550	1410	1300	1220
		U	3940	3410	3010	2710	2470	2270	2120
	2200	S	2570	2230	1970	1780	1630	1500	1410
		U	4320	3740	3300	2970	2710	2500	2340
	2100	S	2960	2570	2280	2060	1890	1750	1640
		U	4750	4110	3640	3280	3000	2770	2590
	2000	S	3000	2990	2660	2400	2210	2050	1930
		U	5250	4550	4040	3640	3330	3090	2890
Ixx = 299 x 10 ³ mm ⁴	Width	600	700	800	900	1000	1100	1200	

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

AFD16 / AFD16 MEETING STILES	Height	Maximum Design Pressure (Pa)							
	2400	S	780	680	600	540	490	450	420
		U	3610	3120	2750	2470	2250	2070	1930
	2300	S	890	770	680	620	560	520	480
		U	3940	3410	3010	2710	2470	2270	2120
	2200	S	1020	890	790	710	650	600	560
		U	4320	3740	3300	2970	2710	2500	2340
	2100	S	1180	1030	910	820	750	700	650
		U	4750	4110	3640	3280	3000	2770	2590
	2000	S	1370	1190	1060	960	880	820	770
		U	5250	4550	4040	3640	3330	3090	2890
Ixx = 299 x 10 ³ mm ⁴	Width	600	700	800	900	1000	1100	1200	

Tables are based on theoretical section properties

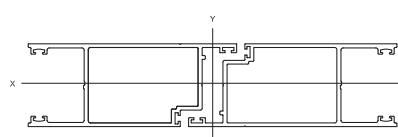
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AFD21 / AFD21 Meeting Stiles

Max Stress = 110Mpa

S = Serviceability limit state l/100

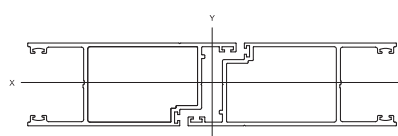
U = Ultimate limit state

AFD21 / AFD21 MEETING STILES	Height	Maximum Design Pressure (Pa)							
	2400	S	1920	1660	1470	1320	1200	1110	1030
		U	3500	3030	2670	2400	2180	2010	1870
	2300	S	2190	1890	1670	1510	1380	1270	1190
		U	3820	3300	2920	2620	2390	2200	2050
	2200	S	2510	2170	1920	1730	1590	1470	1370
		U	4190	3620	3200	2880	2630	2430	2260
	2100	S	2890	2510	2220	2010	1840	1710	1600
		U	4610	3990	3530	3180	2910	2690	2510
	2000	S	3000	2920	2590	2340	2150	2000	1880
		U	5090	4420	3910	3530	3230	3000	2810
$I_{xx} = 292 \times 10^3 \text{ mm}^4$	Width	600	700	800	900	1000	1100	1200	

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

AFD21 / AFD21 MEETING STILES	Height	Maximum Design Pressure (Pa)							
	2400	S	760	660	580	520	480	440	410
		U	3500	3030	2670	2400	2180	2010	1870
	2300	S	870	750	670	600	550	510	470
		U	3820	3300	2920	2620	2390	2200	2050
	2200	S	1000	870	770	690	630	580	550
		U	4190	3620	3200	2880	2630	2430	2260
	2100	S	1150	1000	890	800	730	680	640
		U	4610	3990	3530	3180	2910	2690	2510
	2000	S	1340	1160	1030	930	860	800	750
		U	5090	4420	3910	3530	3230	3000	2810
Ixx = 292 x 10 ³ mm ⁴	Width	600	700	800	900	1000	1100	1200	

Tables are based on theoretical section properties

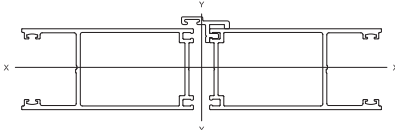
3. Loading Tables

AFD12 / AFD12 Meeting Stiles

Max Stress = 110Mpa

S = Serviceability limit state I/100

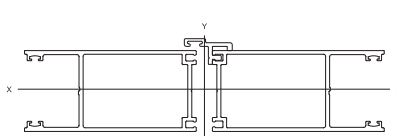
U = Ultimate limit state

AFD12 / AFD12 MEETING STILES	Height	Maximum Design Pressure (Pa)							
	2400	S	1880	1620	1430	1290	1180	1090	1010
		U	3700	3200	2820	2530	2310	2120	1970
	2300	S	2140	1850	1640	1470	1350	1240	1160
		U	4040	3490	3080	2770	2520	2330	2170
	2200	S	2450	2120	1880	1690	1550	1430	1340
		U	4420	3830	3380	3040	2780	2560	2390
	2100	S	2820	2450	2170	1960	1800	1670	1560
		U	4870	4210	3730	3360	3070	2840	2650
	2000	S	3000	2850	2530	2290	2100	1950	1840
		U	5380	4660	4130	3730	3420	3160	2960
Ixx = 285 x 10 ³ mm ⁴	Width	600	700	800	900	1000	1100	1200	

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

AFD12 / AFD12 MEETING STILES	Height	Maximum Design Pressure (Pa)							
	2400	S	750	650	570	510	470	430	400
		U	3700	3200	2820	2530	2310	2120	1970
	2300	S	850	740	650	590	540	490	460
		U	4040	3490	3080	2770	2520	2330	2170
	2200	S	980	850	750	670	620	570	530
		U	4420	3830	3380	3040	2780	2560	2390
	2100	S	1130	980	870	780	720	660	620
		U	4870	4210	3730	3360	3070	2840	2650
	2000	S	1310	1140	1010	910	840	780	730
		U	5380	4660	4130	3730	3420	3160	2960
Ixx = 285 x 10 ³ mm ⁴	Width	600	700	800	900	1000	1100	1200	

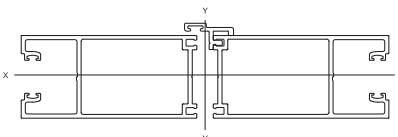
Tables are based on theoretical section properties

AFD22 / AFD22 Meeting Stiles

Max Stress = 110Mpa

S = Serviceability limit state I/100

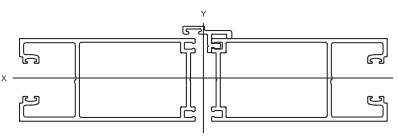
U = Ultimate limit state

AFD22 / AFD22 MEETING STILES	Height	Maximum Design Pressure (Pa)							
	2400	S	1920	1660	1470	1320	1210	1110	1040
		U	3790	3280	2890	2600	2360	2180	2020
	2300	S	2190	1900	1680	1510	1380	1270	1190
		U	4140	3580	3160	2840	2590	2390	2220
	2200	S	2510	2170	1930	1740	1590	1470	1370
		U	4530	3920	3470	3120	2850	2630	2450
	2100	S	2900	2510	2230	2010	1840	1710	1600
		U	4990	4320	3820	3450	3150	2910	2720
	2000	S	3000	2920	2600	2350	2150	2000	1880
		U	5520	4780	4240	3820	3500	3240	3040
Ixx = 292 x 10 ³ mm ⁴	Width	600	700	800	900	1000	1100	1200	

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

AFD22 / AFD22 MEETING STILES	Height	Maximum Design Pressure (Pa)							
	2400	S	770	660	580	530	480	440	410
		U	3790	3280	2890	2600	2360	2180	2020
	2300	S	870	760	670	600	550	510	470
		U	4140	3580	3160	2840	2590	2390	2220
	2200	S	1000	870	770	690	630	590	550
		U	4530	3920	3470	3120	2850	2630	2450
	2100	S	1160	1000	890	800	730	680	640
		U	4990	4320	3820	3450	3150	2910	2720
	2000	S	1340	1170	1040	940	860	800	750
		U	5520	4780	4240	3820	3500	3240	3040
Ixx = 292 x 10 ³ mm ⁴	Width	600	700	800	900	1000	1100	1200	

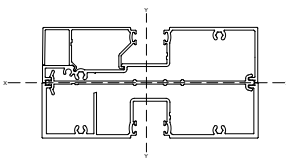
Tables are based on theoretical section properties

AF212 / AF39 / AF215 Transom & Coupling Bar

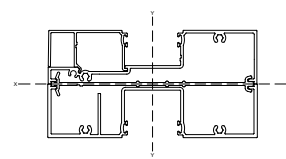
Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

AF212 / AF39 / AF215 TRANSOM	Height	Maximum Design Loads (Pa)							
	2400 (600mm Hi-Lite)	S	2500	2500	2500	2500	2500	2500	2500
		U	6000	6000	6000	6000	6000	6000	5390
	2100 (600mm Hi-Lite)	S	2500	2500	2500	2500	2500	2500	2500
		U	6000	6000	6000	6000	6000	6000	5360
	2400 (300mm Hi-Lite)	S	2500	2500	2500	2500	2500	2500	2500
		U	6000	6000	6000	6000	6000	6000	6000
	2100 (300mm Hi-Lite)	S	2500	2500	2500	2500	2500	2500	2500
		U	6000	6000	6000	6000	6000	6000	6000
	Max Kg		100	100	100	74	56	44	36
lxx = 2061 x 10³ mm⁴ lyy = 94 x 10³ mm⁴	Transom length		800	1000	1200	1400	1600	1800	2000

AF312 / AF39 / AF315 Transom & Coupling Bar

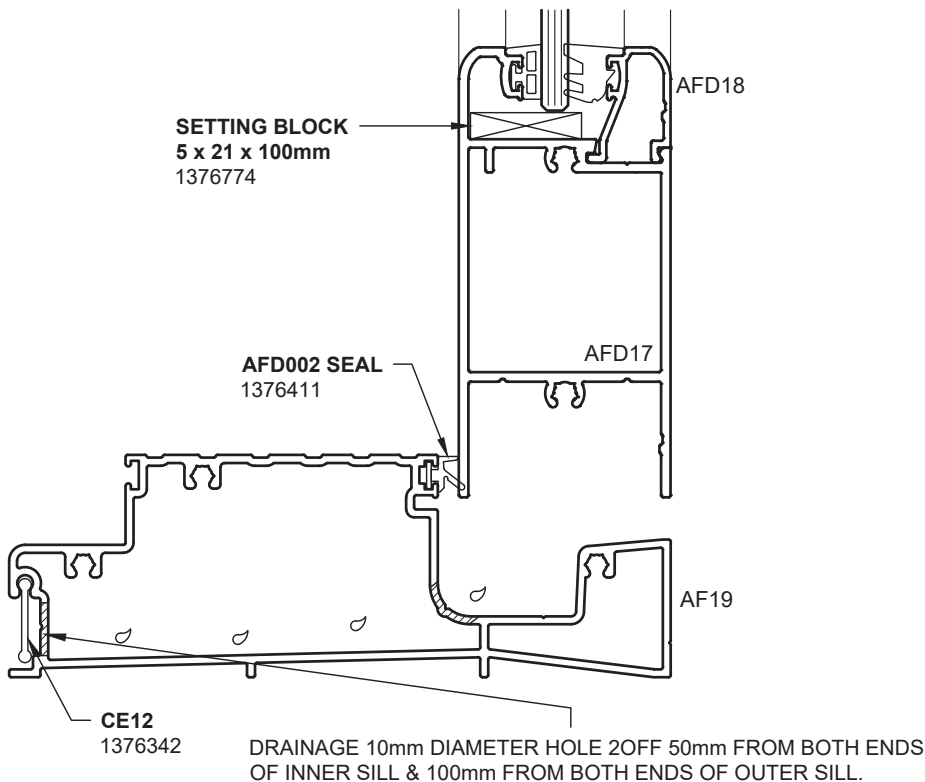
AF312 / AF39 / AF315 TRANSOM	Height	Maximum Design Loads (Pa)							
	2400 (600mm Hi-Lite)	S	2500	2500	2500	2500	2500	2500	2500
		U	6000	6000	6000	6000	6000	6000	5060
	2100 (600mm Hi-Lite)	S	2500	2500	2500	2500	2500	2500	2500
		U	6000	6000	6000	6000	6000	6000	5020
	2400 (300mm Hi-Lite)	S	2500	2500	2500	2500	2500	2500	2500
		U	6000	6000	6000	6000	6000	6000	5890
	2100 (300mm Hi-Lite)	S	2500	2500	2500	2500	2500	2500	2500
		U	6000	6000	6000	6000	6000	6000	5840
	Max Kg		100	100	100	84	64	51	41
lxx = 1954 x 10³ mm⁴ lyy = 107 x 10³ mm⁴	Transom length		800	1000	1200	1400	1600	1800	2000

Maximum glass weights have been determined to limit deflection to 2mm, using setting block locations at 150mm points.

Tables are based on theoretical section properties

AS2047 - 125mm Pair of Hinged Doors, Open In

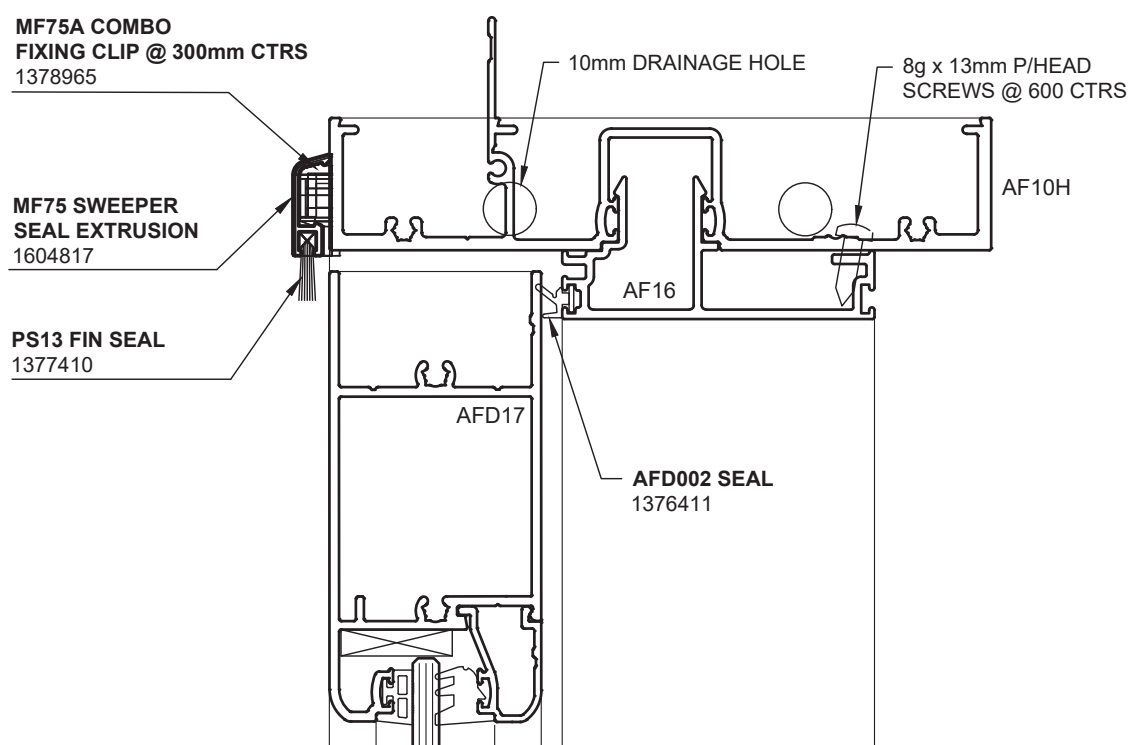
TEST REPORT:	AS13-199
SYSTEM CONFIGURATION	Pair of Hinged Door - Open In
TEST SAMPLE SIZE	2.4m high x 1.946m wide
SERVICEABILITY LOAD	+/- 0.9 kPa
ULTIMATE LOAD	+/- 2.3 kPa
WATER PENETRATION	150 Pa
AIR INFILTRATION @ 75Pa	+ 0.18 L/m/s ² - 0.02 L/m/s ²



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 - 125mm Single Hinge Door, Open Out

TEST REPORT:	AS13-209
SYSTEM CONFIGURATION	Single Hinged Door - Open Out
TEST SAMPLE SIZE	2.4m high x 1.0m wide
SERVICEABILITY LOAD	+/- 1.5 kPa
ULTIMATE LOAD	+/- 2.3 kPa
WATER PENETRATION	200 Pa
AIR INFILTRATION @ 75Pa	+ 0.90 L/m/s ² - 0.17 L/m/s ²

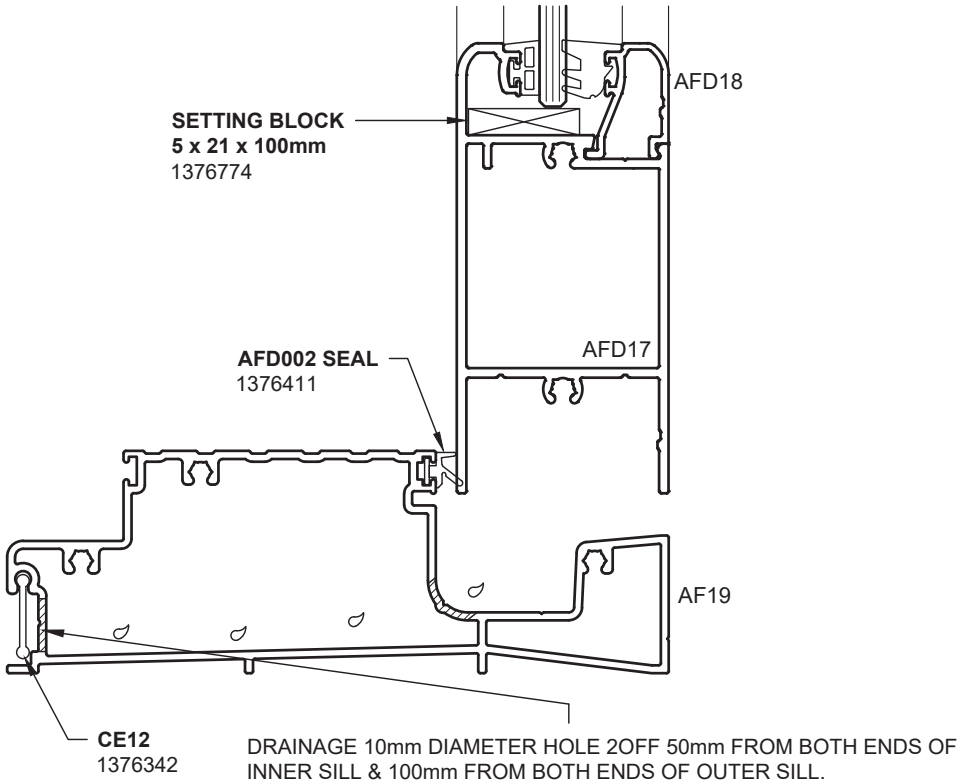


DISCLAIMER:

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 - 125mm Single Hinge Door, Open Out

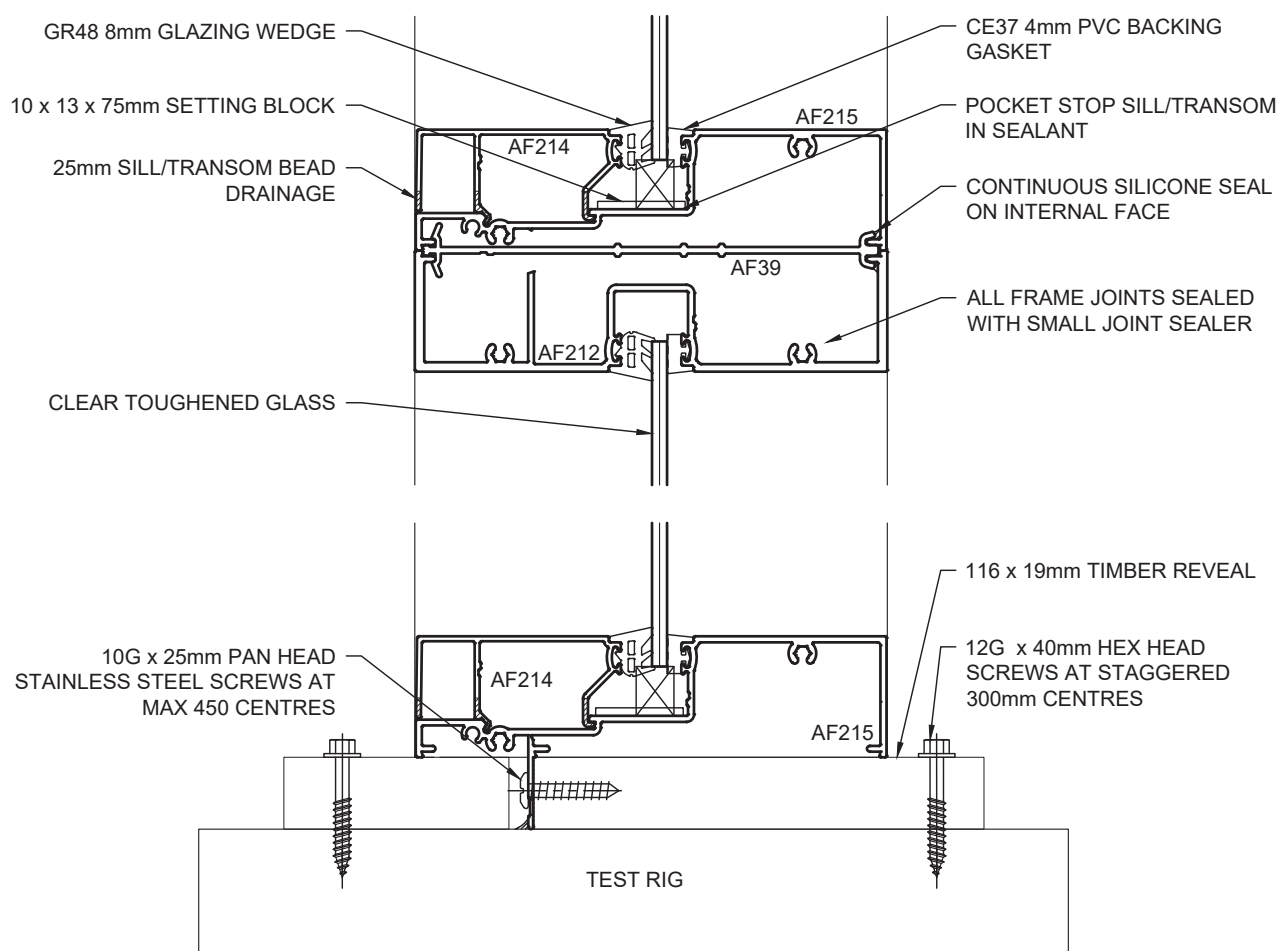
TEST REPORT:	AS18-373
SYSTEM CONFIGURATION	Single Hinged Door - Open In
TEST SAMPLE SIZE	2.4m high x 1.2m wide
SERVICEABILITY LOAD	+/- 1.2 kPa
ULTIMATE LOAD	+/- 2.78 kPa
WATER PENETRATION	200 Pa
AIR INFILTRATION @ 75Pa	+ 0.31 L/m/s ² - 0.12 L/m/s ²
OPERATION FORCE TEST INITIATING MOVEMENT SUSTAINING MOVEMENT	3.8 N 4.0 N



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 over Fixed/Fixed

TEST REPORT:	OT22-140
SYSTEM CONFIGURATION	Air-Flo Plus 125mm Framing SG F-F/F, with AF212/AF212/AF39 Mullion and AF213/AF215/AF212/AF39 Transom
TEST SAMPLE SIZE	2.455m high x 2.445m wide
SERVICEABILITY LOAD	+/- 2.501 kPa
ULTIMATE LOAD	+/- 3.506 kPa
WATER PENETRATION	750 Pa
AIR INFILTRATION @ 75Pa	+ 0.09 L/m/s ² - 0.01 L/m/s ²

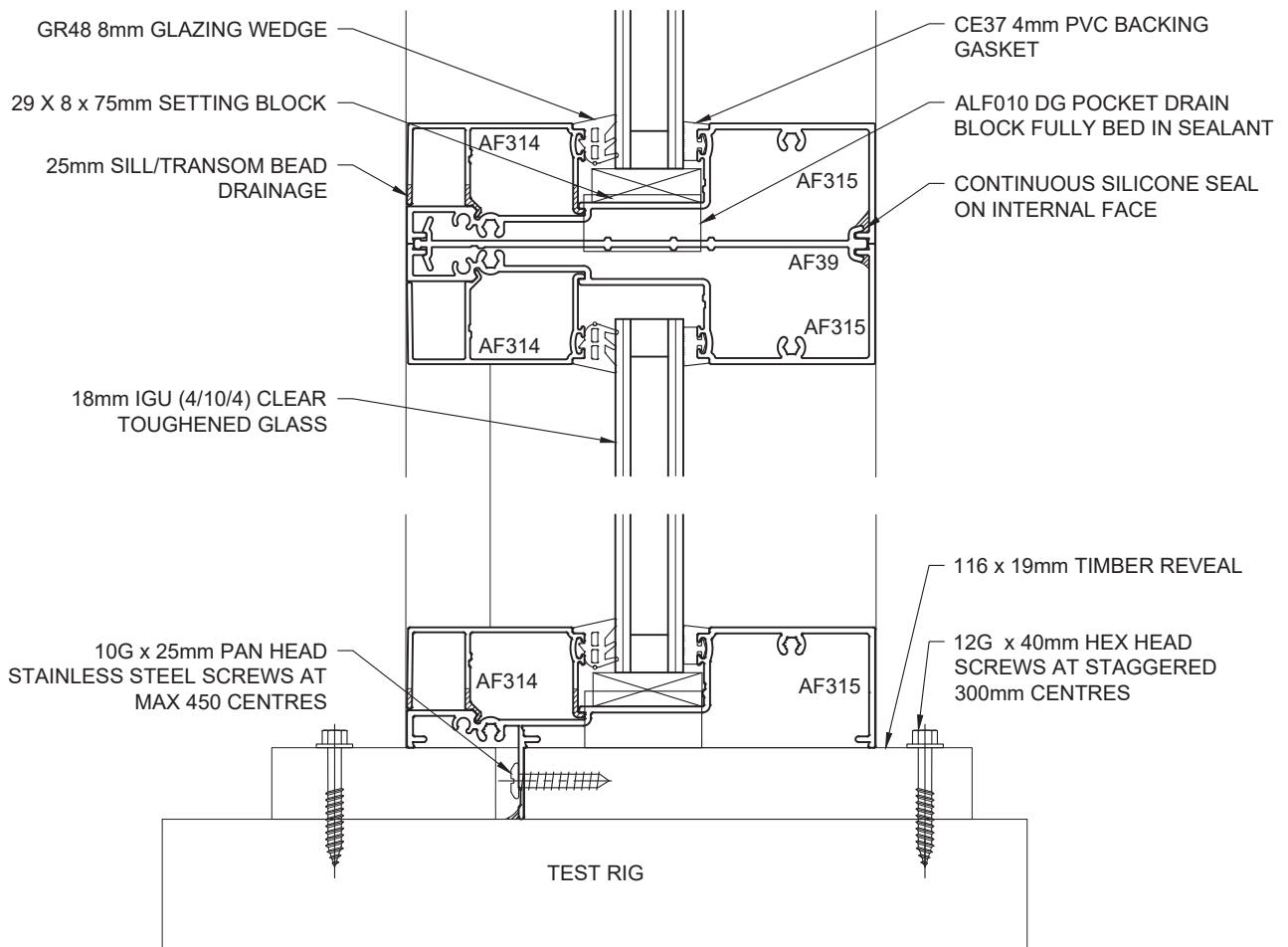


DISCLAIMER:

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.

AS2047 - Fixed over Fixed/Fixed

TEST REPORT:	OT22-141
SYSTEM CONFIGURATION	Air-Flo Plus 125mm Framing SG F-F/F, with AF312/AF312/AF39 Mullion and AF315/AF314/AF314/AF39 Transom
TEST SAMPLE SIZE	2.455m high x 2.445m wide
SERVICEABILITY LOAD	+/- 2.501 kPa
ULTIMATE LOAD	+/- 3.006 kPa
WATER PENETRATION	750 Pa
AIR INFILTRATION @ 75Pa	+ 0.05 L/m/s ² - 0.04 L/m/s ²



DISCLAIMER:

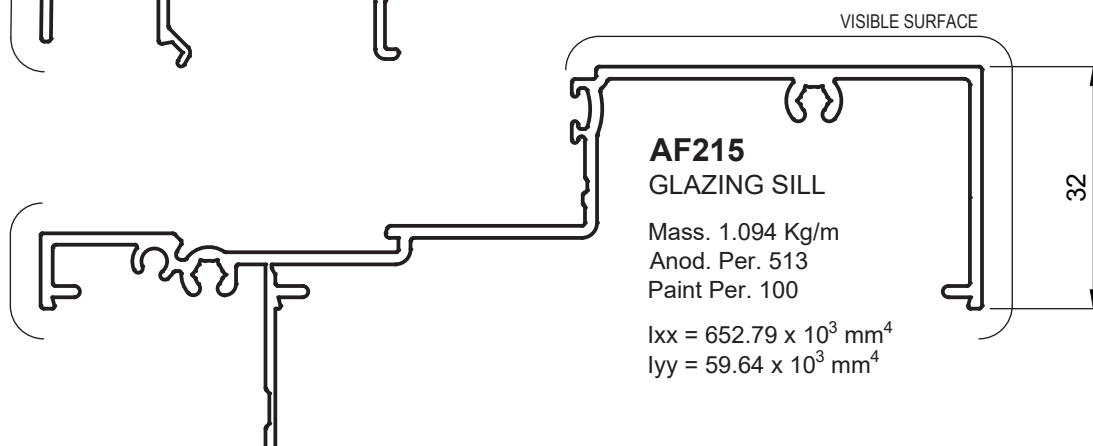
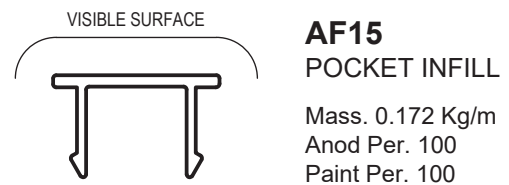
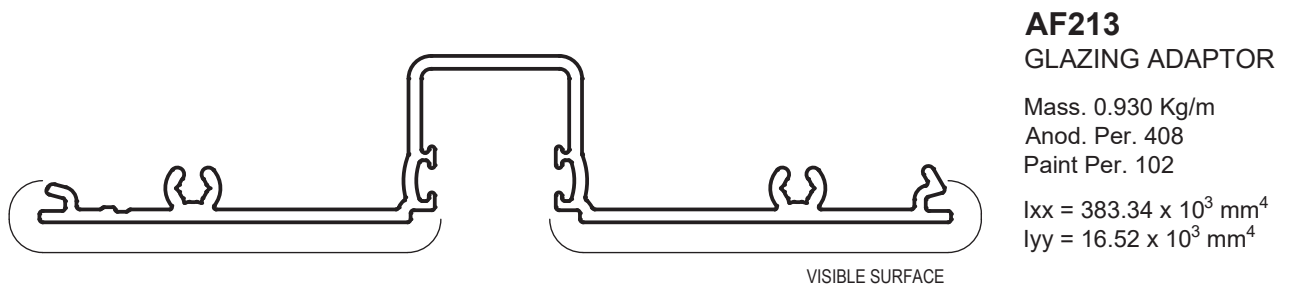
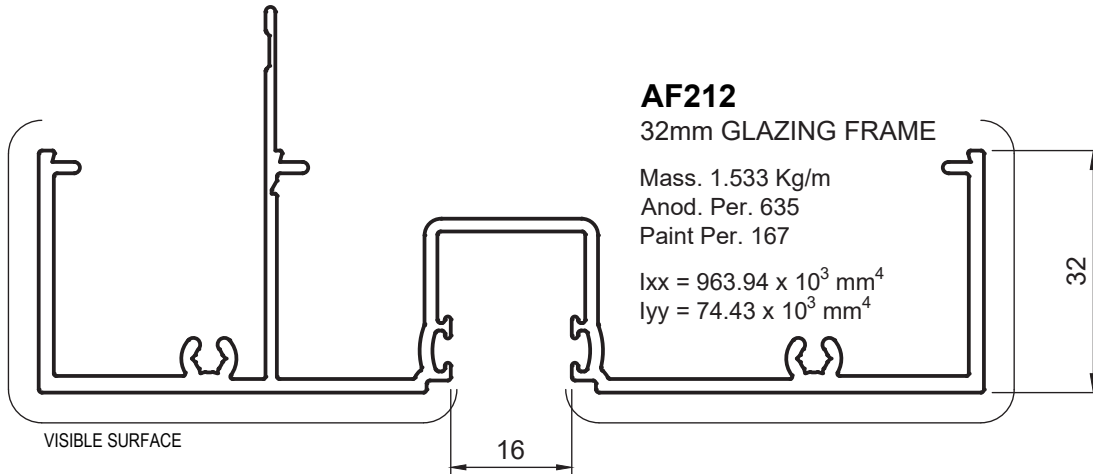
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.

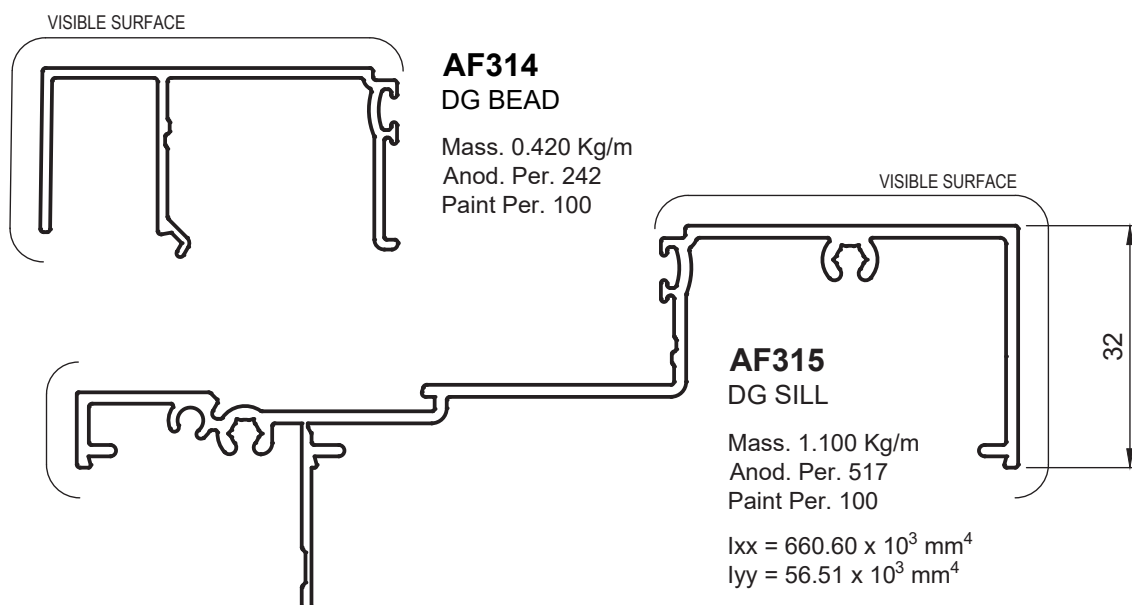
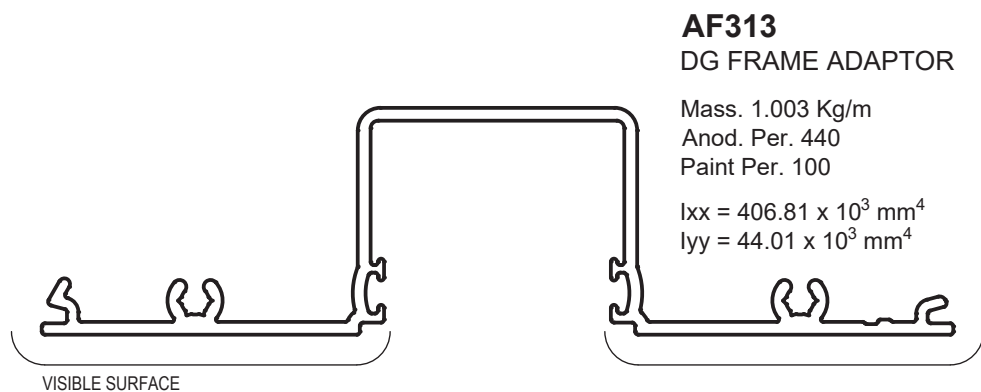
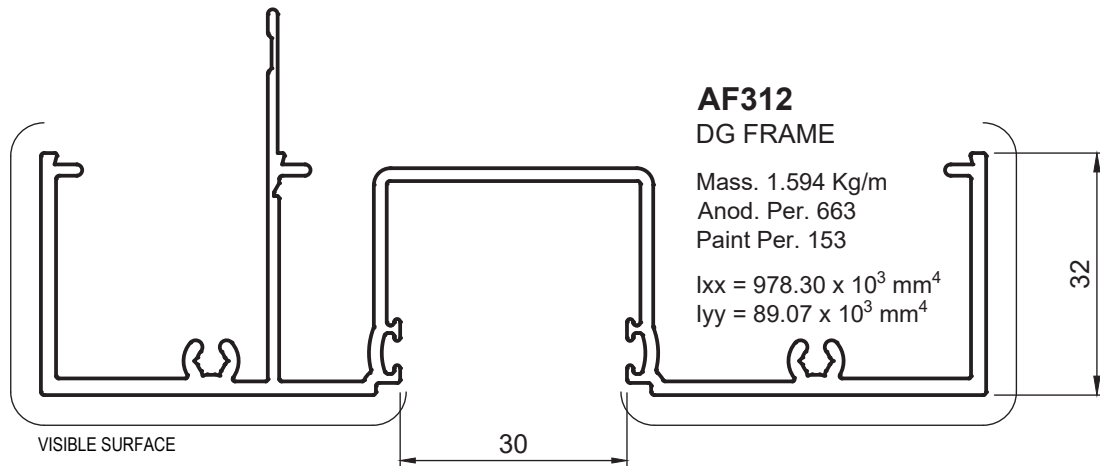
4. Test Summary

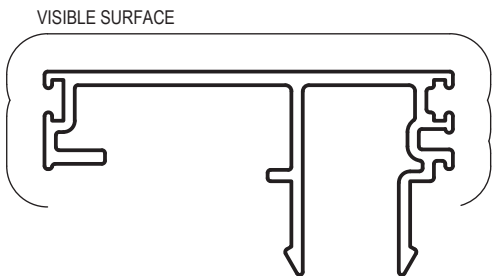


Acoustic - AS/NZS ISO 717.1

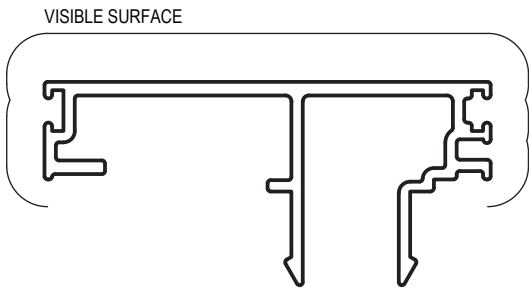
TEST REPORT	PRODUCT DESCRIPTION	SIZE	GLASS	SEALS	Rw
4863-r16	HINGED SIDELITE DOOR	2.1m (H) x 1.8m (W)	6.38mm LAMINATE	AFD002 DOOR SEALS	30 (-1, -2)



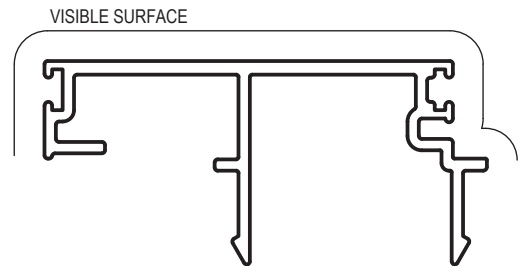




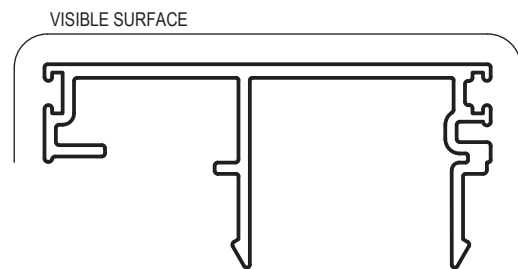
AF17
45mm CLIP IN
DOOR ADAPTOR
Mass. 0.616 Kg/m
Anod Per. 284
Paint Per. 109



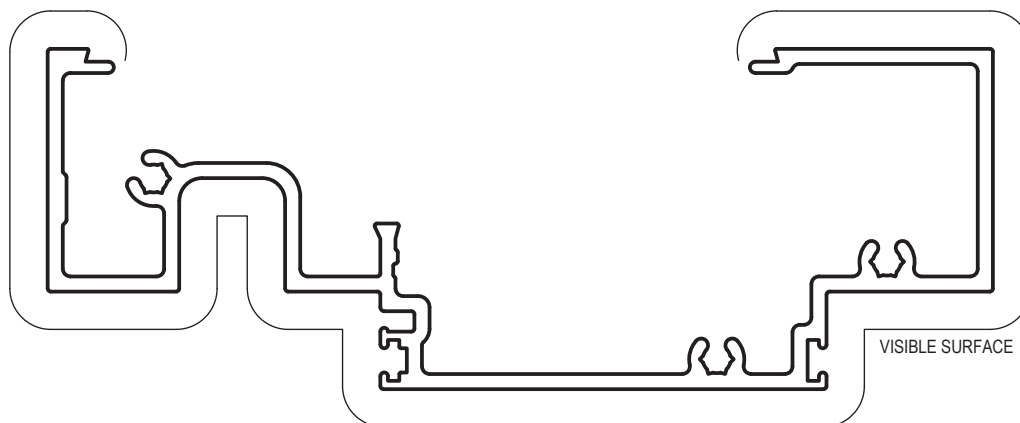
AF16
40mm CLIP IN
DOOR ADAPTOR
Mass. 0.653 Kg/m
Anod Per. 300
Paint Per. 112



AF317
45mm DG CLIP IN
DOOR ADAPTOR
Mass. 0.616 Kg/m
Anod Per. 286
Paint Per. 100

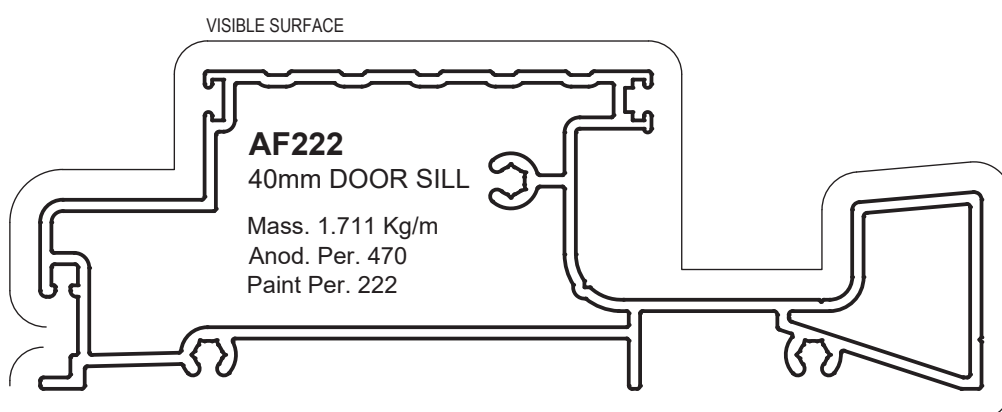


AF316
40mm DG CLIP IN
DOOR ADAPTOR
Mass. 0.638 Kg/m
Anod Per. 391
Paint Per. 100



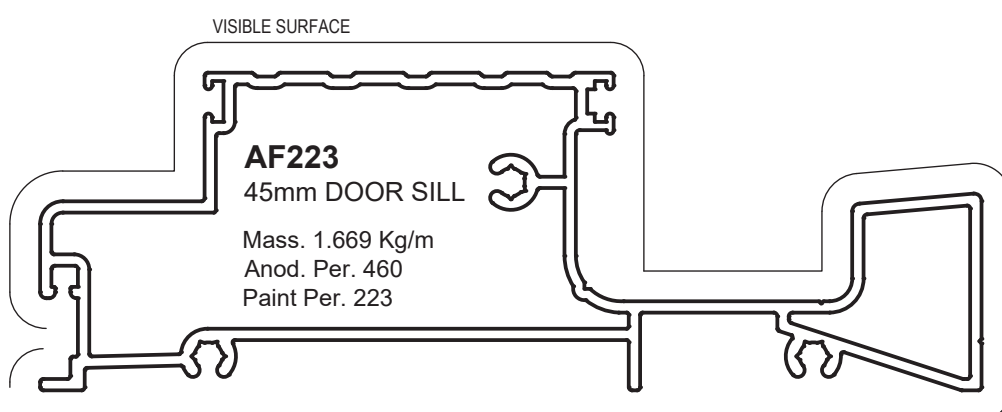
AF47
REBATE HEAD

Mass. 1.757 Kg/m
Anod. Per. 646
Paint Per. 303



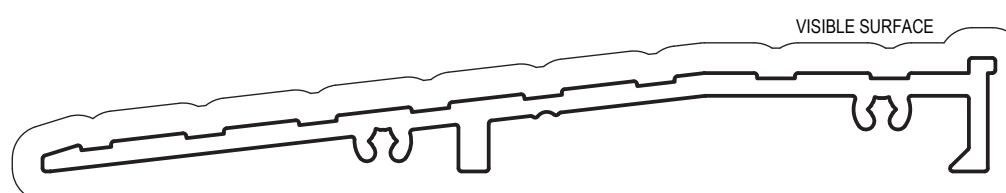
AF222
40mm DOOR SILL

Mass. 1.711 Kg/m
Anod. Per. 470
Paint Per. 222



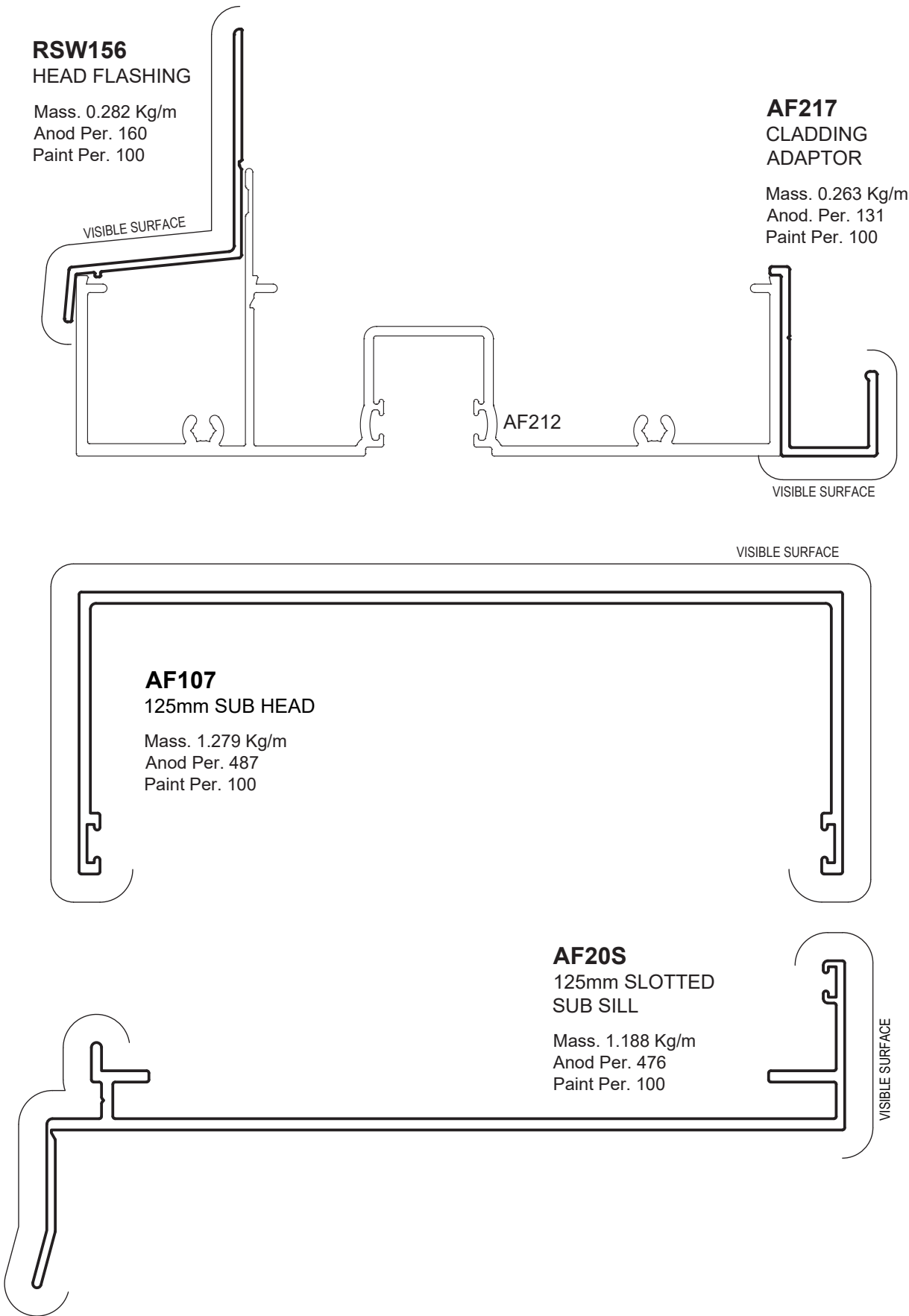
AF223
45mm DOOR SILL

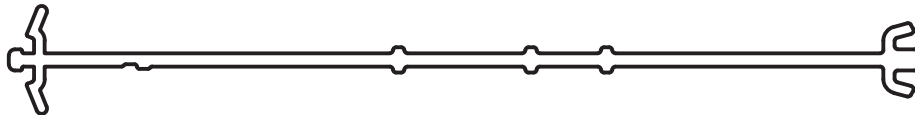
Mass. 1.669 Kg/m
Anod. Per. 460
Paint Per. 223



AF008
AIRFLO DOOR
THRESHOLD

Mass. 1.200 Kg/m
Anod Per. 336
Paint Per. 161





AF39

125mm COUPLING BAR

Mass. 0.702 Kg/m

Anod. Per. 299

No Visible Surface

$I_{xx} = 389.26 \times 10^3 \text{ mm}^4$

$I_{yy} = 0.61 \times 10^3 \text{ mm}^4$



AF14

COUPLING BAR

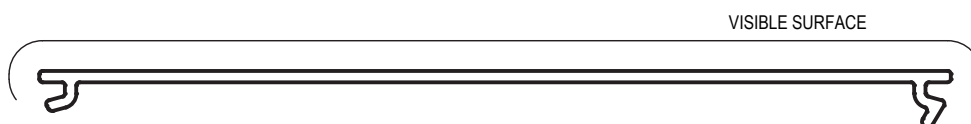
Mass. 0.719 Kg/m

Anod Per. 299

No Visible Surface

$I_{xx} = 411.33 \times 10^3 \text{ mm}^4$

$I_{yy} = 0.69 \times 10^3 \text{ mm}^4$



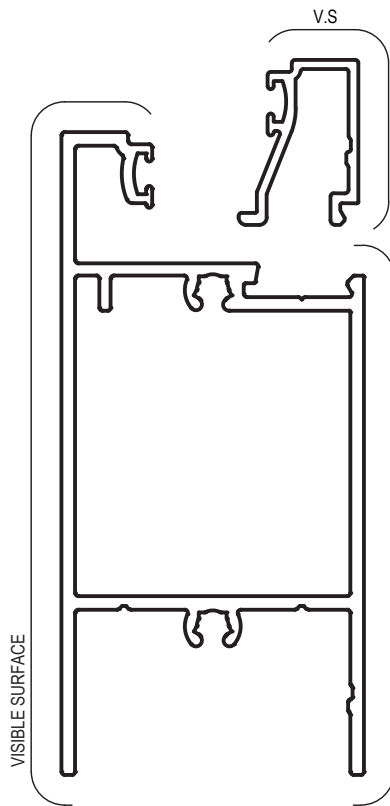
AF21

**LOUVRE FLUSH
ADAPTOR**

Mass. 0.543 Kg/m

Anod Per. 267

Paint Per. 124

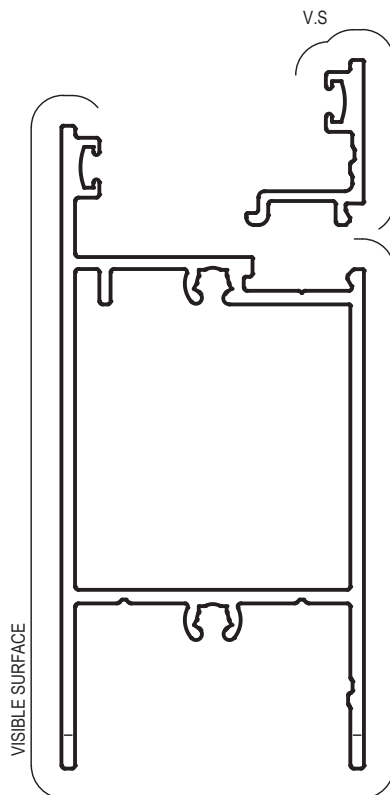


AFD27
40mm SQUARE
RAIL BEAD

Mass. 0.218 Kg/m
Anod. Per. 125
Paint Per. 100

*** AFD25**
40mm SQUARE RAIL

Mass. 1.289 Kg/m
Anod. Per. 364
Paint Per. 164

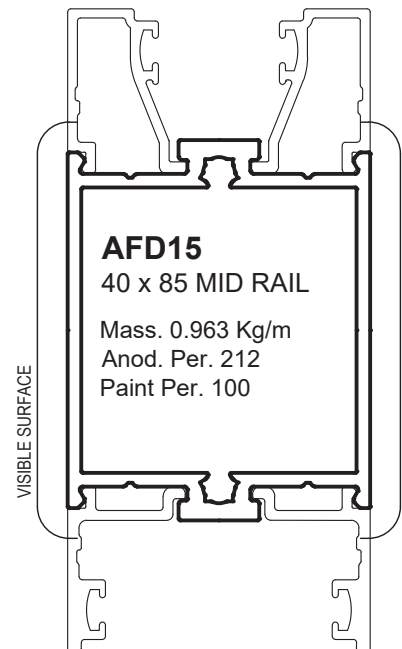


AFD20
40mm DG RAIL
BEAD

Mass. 0.190 Kg/m
Anod. Per. 100
Paint Per. 100

*** AFD19**
40mm DG RAIL

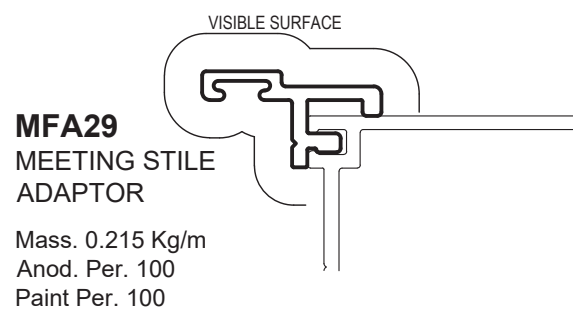
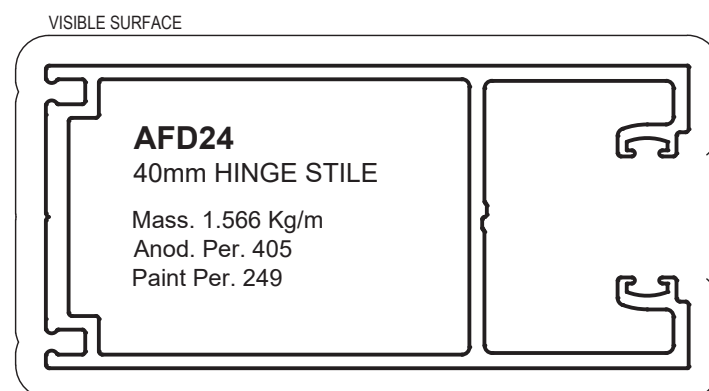
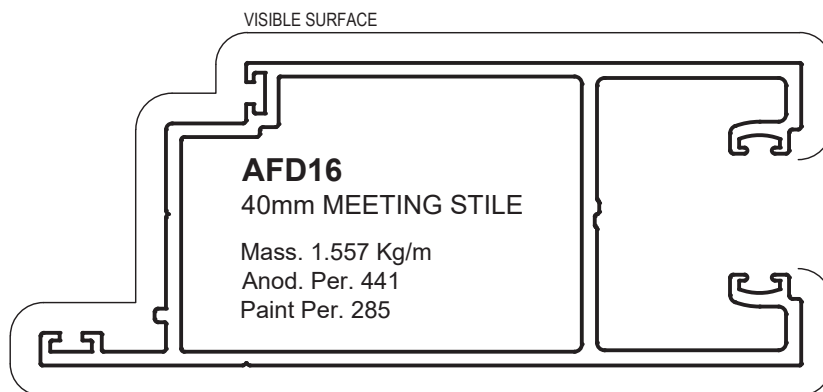
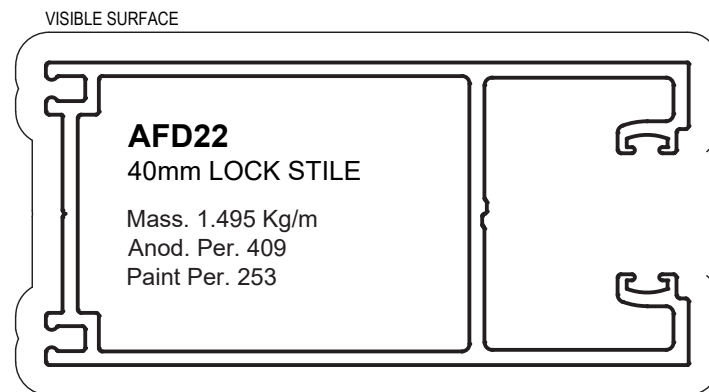
Mass. 1.235 Kg/m
Anod. Per. 334
Paint Per. 157

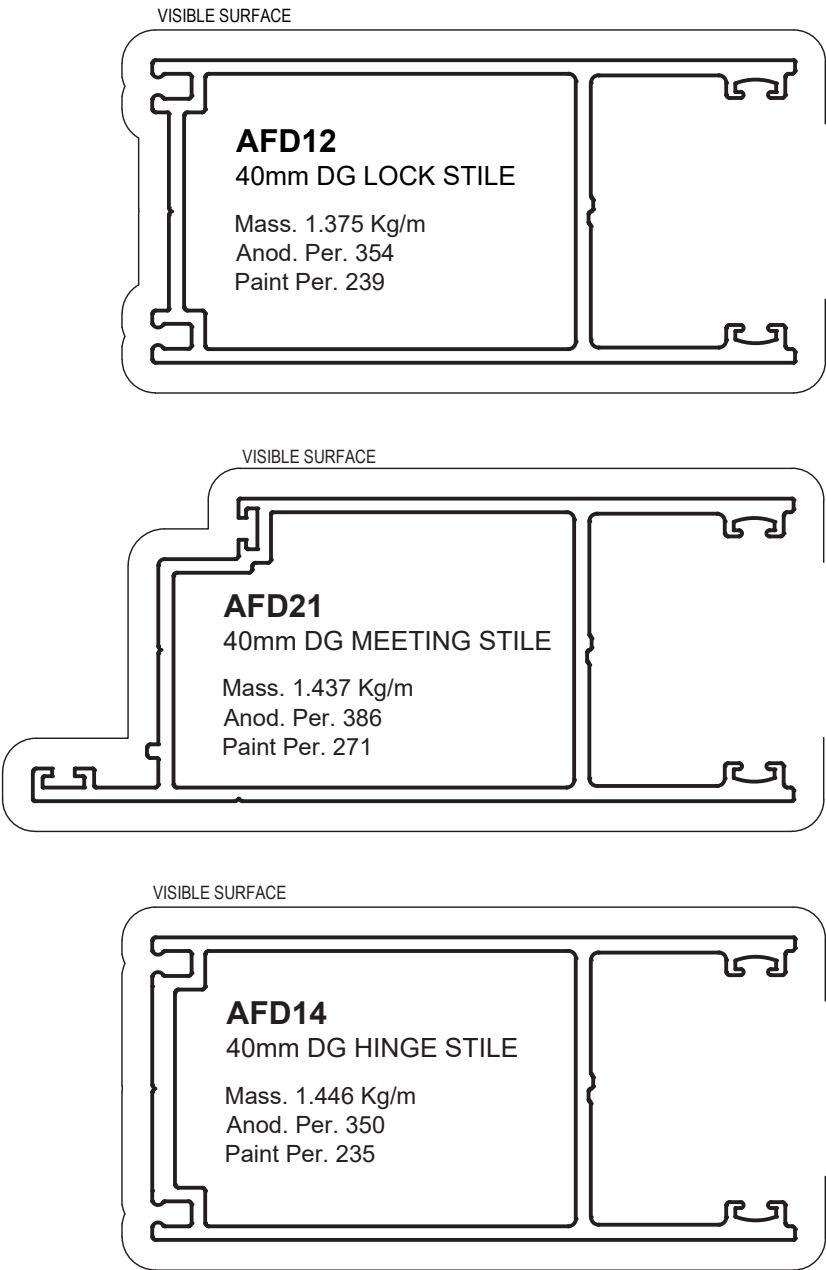


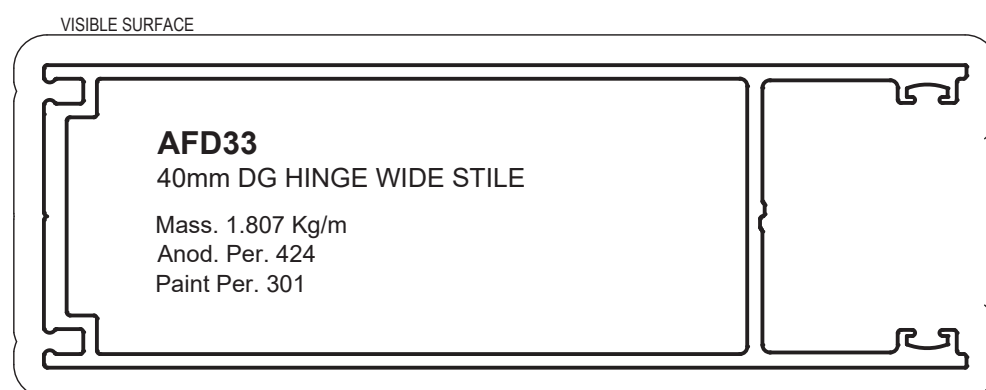
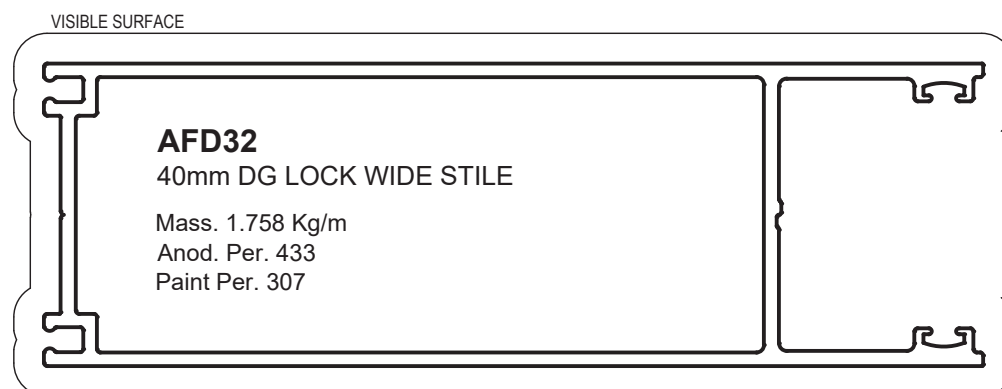
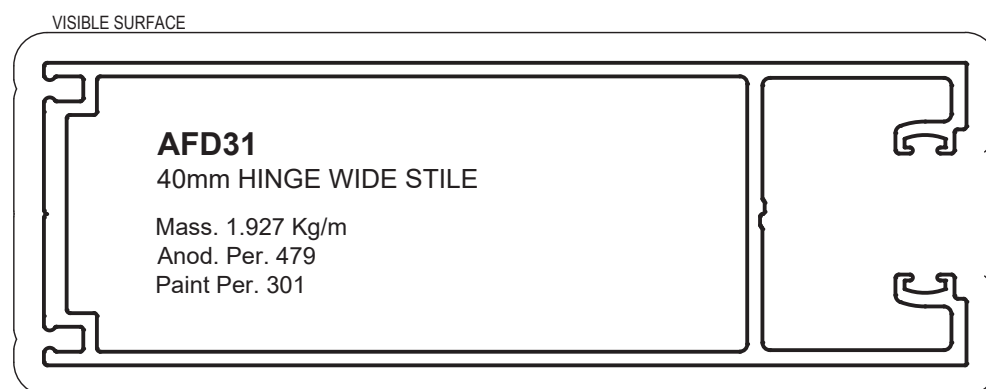
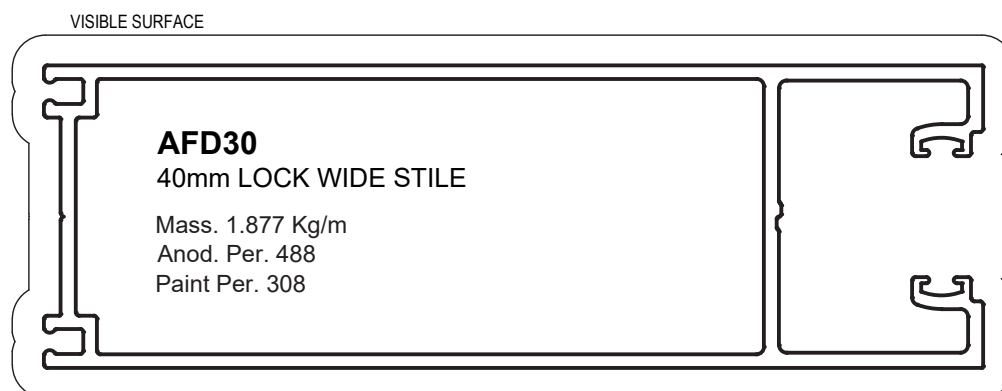
AFD15
40 x 85 MID RAIL

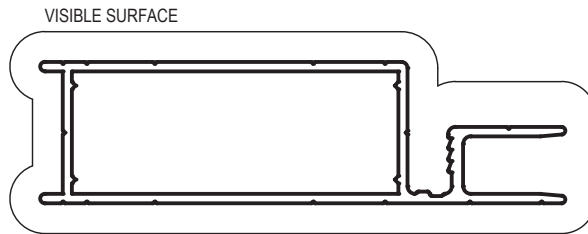
Mass. 0.963 Kg/m
Anod. Per. 212
Paint Per. 100

*DENOTES REGISTERED DESIGN



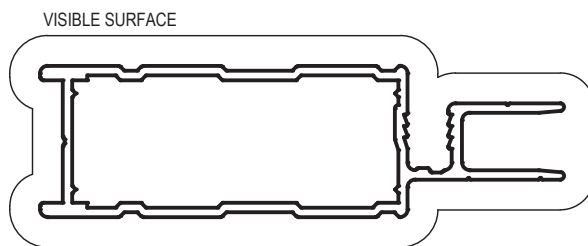






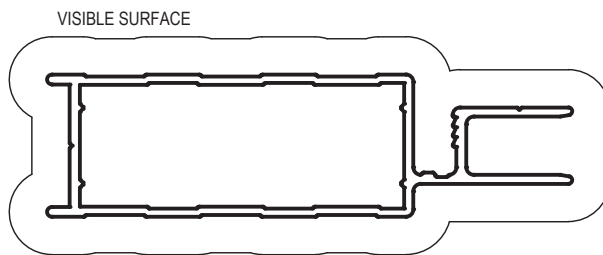
SD2
DOOR FRAME

Mass. 0.591 Kg/m
Anod. Per. 228
Paint Per. 194



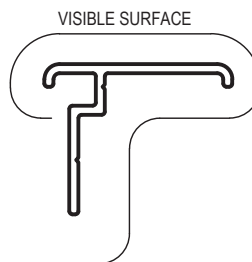
SD8
DOOR FRAME

Mass. 0.629 Kg/m
Anod. Per. 232
Paint Per. 197



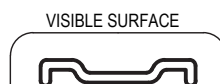
SD9
DOOR FRAME

Mass. 0.559 Kg/m
Anod. Per. 227
Paint Per. 192



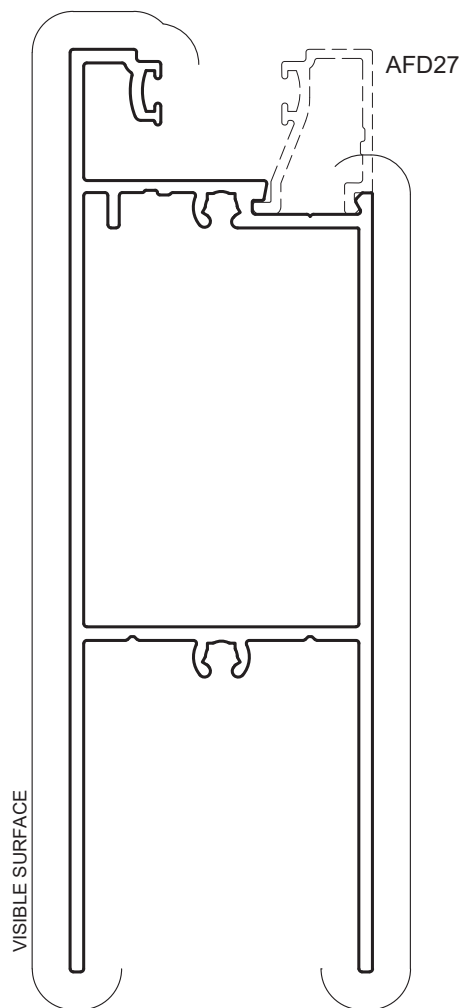
TM18
OFFSET T MULLION

Mass. 0.159 Kg/m
Anod. Per. 100
Paint Per. 100



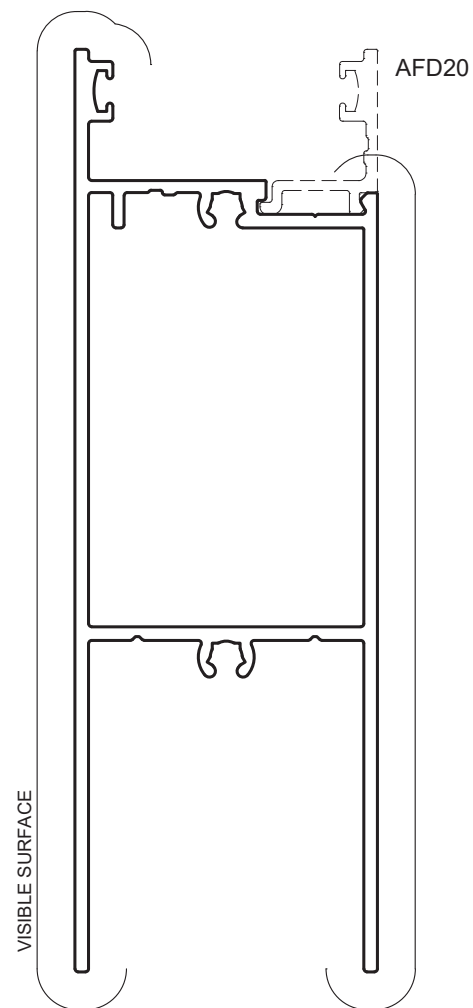
1565405
COLONIAL BAR (ASM-1041)

Mass. 0.100 Kg/m
Anod. Per. 100
Paint Per. 100



*** AFD23**
40mm SG
DEEP RAIL

Mass. 1.650 Kg/m
Anod. Per. 481
Paint Per. 243



*** AFD26**
40mm DG
DEEP RAIL

Mass. 1.595 Kg/m
Anod. Per. 452
Paint Per. 237

* RAILS TO BE USED WITH AD1037
DOOR SPIGOT SET ONLY

Glazing Wedges

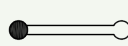
IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	2mm	PVC	1376045	GR42 GLAZING WEDGE (PURPLE) (2.5mm GAP) PVC x 200m ROLL
	3mm	PVC	1313055	GR43 GLAZING WEDGE (BROWN) (3mm GAP) PVC x 200m ROLL
		S/PRENE	1313063	GR43S GLAZING WEDGE (BROWN) (3mm GAP) S/PRENE x 200m ROLL
	4mm	PVC	1313056	GR44 GLAZING WEDGE (WHITE) (4mm GAP) PVC x 200m ROLL
		S/PRENE	1313064	GR44S GLAZING WEDGE (WHITE) (4mm GAP) S/PRENE x 200m ROLL
	4.5mm	PVC	1376149	GR1038 GLAZING WEDGE (4.5mm GAP) PVC x 150m ROLL
		S/PRENE	1376150	GR1038S GLAZING WEDGE (4.5mm GAP) S/PRENE x 150m 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
	6.5mm	PVC	1376147	GR638 GLAZING WEDGE (6.5mm GAP) PVC x 150m ROLL
		S/PRENE	1376148	GR638S GLAZING WEDGE (6.5mm GAP) S/PRENE x 150m ROLL
	7mm	PVC	1313059	GR47 GLAZING WEDGE (RED) (7mm GAP) PVC x 150m ROLL
		S/PRENE	1313062	GR47S GLAZING WEDGE (RED) (7mm GAP) S/PRENE x 150m ROLL
	8mm	PVC	1313060	GR48 GLAZING WEDGE (ORANGE) (8mm GAP) PVC x 150m ROLL
		S/PRENE	1313067	GR48S GLAZING WEDGE (ORANGE) (8mm GAP) S/PRENE x 150m ROLL
	9mm	PVC	1376059	GR54 GLAZING WEDGE x 50m ROLL

6. Hardware & Components

Backing Gaskets

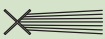
IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	2mm	PVC	1313052	GR36 BACKING GASKET - PUSH IN (2mm GAP) PVC x 200m ROLL
		S/PRENE	1313053	GR36S BACKING GASKET - PUSH IN (2mm GAP) S/PRENE x 200m ROLL
	2mm	PVC	1313079	CE36 CO-EXT BACKING GASKET (2mm GAP) PVC x 100m ROLL
		S/PRENE	1313080	CE36S CO-EXT BACKING 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
	8.5mm	S/PRENE	1313078	CE52S CO-EXT BACKING GASKET (8.5mm GAP) x 100m ROLL

Seals

IMAGE	PART #	FINISH	DESCRIPTION
	1377300	BLACK (034)	PBF48-475-2B FINSEAL T-SLOT x 500m
	1376370	BLACK (034)	CE21 CO-EXT SILL FLAP x 100m ROLL
	1376359	BLACK (034)	CE48 CO-EXT BAFFLE (13.5mm HEIGHT) x 500m ROLL
	1376358		CE48FR CO-EXT BAFFLE (13.5mm HEIGHT) F/RES x 500m ROLL
	1376411	BLACK (034)	AFD002FR 40mm HINGE DOOR SEAL FIRE RESISTANT x 250m

6. Hardware & Components

Seals

IMAGE	PART #	FINISH	DESCRIPTION
	1376345	BLACK (034)	CE5.5 CO-EXT BULB SEAL (5.5mm DIAMETER) x 250m ROLL
	1377414	BLACK (034), GREY (036)	PS13 13mm FRINGE PILE x 100m
	1377408	BLACK (034), GREY (036)	PS11 11mm FRINGE PILE x 100m
	1377913	BLACK (034)	BB13 13mm BRISTLE BRUSH x 3m

Fasteners

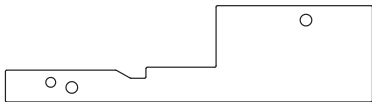
SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382630	SQUARE #2	6g x 1/2 (13mm) 304SS SQ #1 PAN S/TAP SCREW x 1000	MF75A COMBO FIXING CLIP
1382030	SQUARE #2	6g x 1/2 (13mm) SS PHIL PAN SELF TAPPING x 1000	
1382002	PHILLIPS #2	6g x 1/2 (13mm) SS PHIL CSK S/TAP SCREW x 1000	
1382636	SQUARE #2	8g x 1/2 (13mm) 304SS SQ #2 PAN S/TAP SCREW x 1000	WEATHER BAR & BEADS
1382042	PHILLIPS #2	8g x 1/2 (13mm) SS PHILLIPS PAN S/TAP SCREW x 1000	
1382665	SQUARE #2	8g x 1/2 (13mm) 304SS SQ #2 CSK S/TAP SCREW x 1000	HINGE / KEEPER
1382022	PHILLIPS #2	8g x 1/2 (13mm) SS PHILLIPS U/CUT SELF TAPPING x 1000	
1382643	SQUARE #2	10g x 1/2 (13mm) 304SS SQ #2 PAN S/TAP SCREW x 1000	SPIGOT FIXING / MFA6 / ADAPTOR AF16
1382088	PHILLIPS #2	10g x 1/2 (13mm) SS PHILLIPS PAN SELF TAPPING x 1000	
1382686	SQUARE #2	10g x 1/2 (13mm) 8g HEAD 304SS SQ #2 U/CUT CSK S/TAP x 1000	MID RAIL AFD15

DRIVER BIT		
PART #	DESCRIPTION	LOCATION
1391451	DRIVER BIT TORX T25 x 25mm	SECURITY JAMB SCREW

TAPE		
PART #	DESCRIPTION	LOCATION
1385622	TESA 51495 PV1 REINFORCED ALUM FOIL TAPE SILVER 48mm x 50m	AT EXPOSED VOIDS IN NON-SUB HEAD APPLICATIONS
1385623	TESA 51495 PV1 REINFORCED ALUM FOIL TAPE SILVER 72mm x 50m	
1385624	TESA 51495 PV1 REINFORCED ALUM FOIL TAPE SILVER 96mm x 50m	

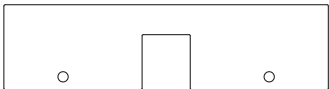
6. Hardware & Components

Frame Joint Gaskets



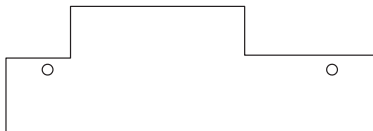
Note: Suits AF215 & AF315

AFL005 GLAZING SILL GASKET ROLL x 340 PAIRS PER ROLL	
PART	1330083
FINISH	BLACK (034)
QTY	ROLL



Note: Suits AF212 & AF312

AFL004 32 x 125mm FRAME JOINT GASKET ROLL x 680 PER ROLL	
PART	1330081
FINISH	BLACK (034)
QTY	ROLL



Note: Suits AF222 & AF223
Manually Adjust Holes to Suit

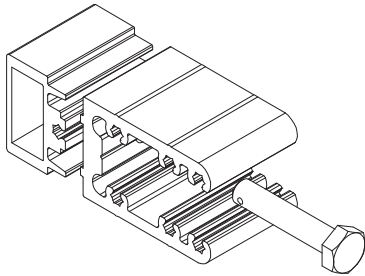
AFD004 125mm HEAD/SILL JOINT GASKET x PAIR	
PART	1315108
FINISH	BLACK (034)
QTY	PAIR



Note: Suits ME1

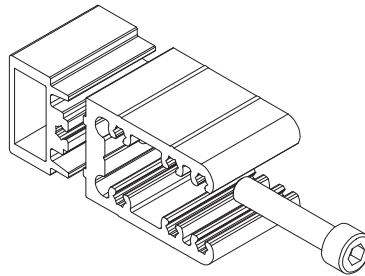
FJG45 FRAME JOINT GASKET PVC FOAM TAPE 45 x 1.6mm 45.7m	
PART	1385512
FINISH	BLACK (034) / GREY (036)
QTY	ROLL

Accessories



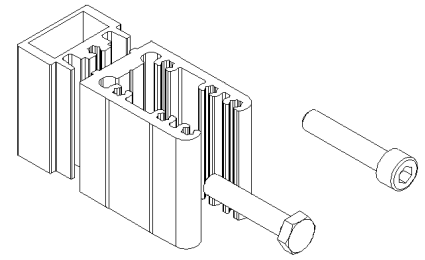
Machining Detail page 10.8
Note: Registered Design

AD1035H 40mm HINGE DOOR SPIGOT HEX (SET 4)	
PART	1315090
FINISH	NOT SPECIFIED (099)
QTY	SET



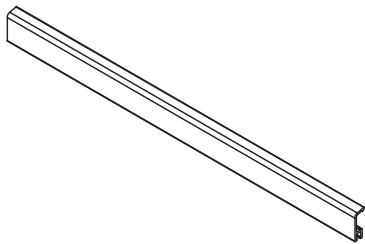
Machining Detail page 10.8
Note: Registered Design

AD1035S 40mm HINGE DOOR SPIGOT SOCKET (SET 4)	
PART	1315091
FINISH	NOT SPECIFIED (099)
QTY	SET



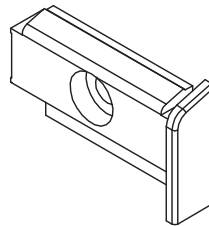
Machining Detail page 10.27

AD1037 40mm HINGE DOOR SPIGOT SET (SET OF 4 - 52.5mm)	
PART	1378049
FINISH	NOT SPECIFIED (099)
QTY	SET

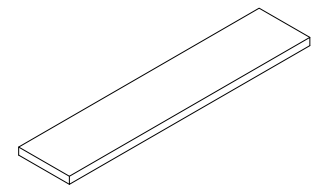


*Note: Refer to sales office for other finishes

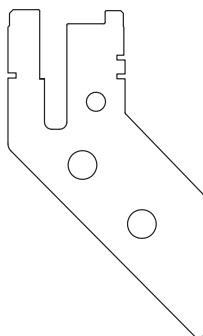
MF75 WEATHERSEAL-SNAP ON COVER	
PART	1604817
FINISH	20um CLR ANOD (088)/ SATIN BLACK (059)*
QTY	3m LENGTH



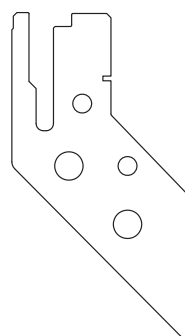
MFA75 END CAP COMPONENT	
PART	1378995
FINISH	BLACK (034)
QTY	EACH



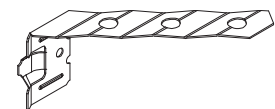
ASA001 POCKET STOP 16 x 75mm BAG OF 50	
PART	1378170
FINISH	GREY (036)
QTY	BAG



AF + AFP 125mm BRICK LUG x 200	
PART	1315129
FINISH	NON SPECIFIED (099)
QTY	BOX



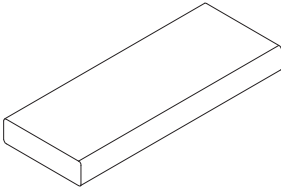
AFP DG FIXEDLITE 125mm BRICK LUG x 200	
PART	1315130
FINISH	NON SPECIFIED (099)
QTY	BOX



BRICK LUG (NAIL FIN TYPE) D21	
PART	1315101
FINISH	NON SPECIFIED (099)
QTY	EACH

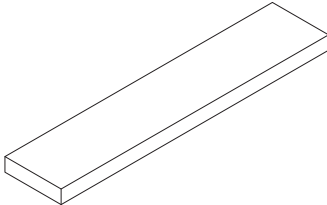
6. Hardware & Components

Accessories



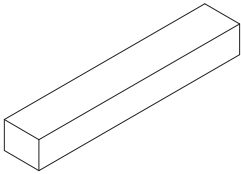
**SETTING BLOCK 8 x 29 x 75mm
BAG OF 50**

PART	1376771
FINISH	BLACK (034)
QTY	BAG



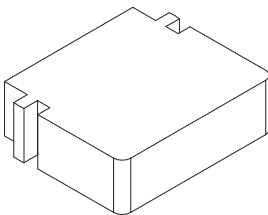
**SETTING BLOCK 5 x 21 x 100mm x
QTY 100**

PART	1376774
FINISH	BLACK (034)
QTY	BOX



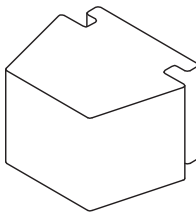
**SETTING BLOCK 10 x 13 x 75mm
BAG OF 50**

PART	1376762
FINISH	BLACK (034)
QTY	BAG



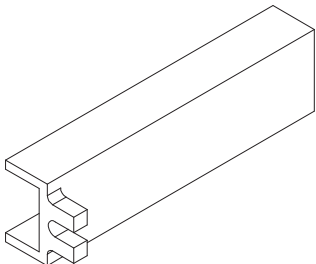
**AFL010 DG POCKET DRAIN BLOCK
PAD OF 16**

PART	1330091
FINISH	GREY (036)
QTY	SET (PAD OF 16)



**MCARTHUR FOAM DRAIN BLOCK
(20/PAD)**

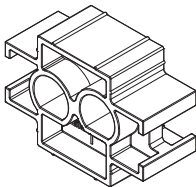
PART	1385590
FINISH	BLACK (034)
QTY	SET



Assembly Detail page 11.5
Note: Registered Design

MFA6 GLASS SUPPORT BLOCK

PART	1315094
FINISH	BLACK (034)
QTY	EACH



AFD001 FLUSH BOLT GUIDE

PART	1315105
FINISH	BLACK (034)
QTY	EACH

Hinge Door Lock Kits - Killara Optimum



KILLARA XTRA 2PT KIT INC OPTIMUM LOCK HANDLES & STRIKE	
PART	1344016
FINISH	BLACK (034) SATIN CHROME (094) PEARL WHITE GLOSS (010)
QTY	EACH



KILLARA XTRA 4 PT KIT INC RODS BLK	
PART	1344005
FINISH	BLACK (034)
QTY	KIT



KILLARA XTRA 4 PT KIT INC RODS SC	
PART	1344006
FINISH	SATIN CHROME (094)
QTY	KIT

Machining Detail page 10.10 to page 10.12

KILLARA OPTIMUM LOCK BODY ONLY					
	OPTIMUM 1PT HINGED 30mm B/S OP30/1LAN/SS				
	PART	1345563	FINISH	SATIN S/LESS STEEL (0A6)	QTY EACH
	OPTIMUM 2PT HINGED 30mm B/S 13mm BOLT OP30/2PTS/SS				
	PART	1304671	FINISH	SATIN S/LESS STEEL (0A6)	QTY EACH
	OPTIMUM 2PT HINGED 30mm B/S 24mm BOLT OP30/2PTL/SS				
	PART	1304670	FINISH	SATIN S/LESS STEEL (0A6)	QTY EACH
	OPTIMUM 4PT HINGED 30mm B/S 13mm BOLT OP30/4SBS/SS				
	PART	1304673	FINISH	SATIN S/LESS STEEL (0A6)	QTY EACH
	OPTIMUM 4PT HINGED 30mm B/S 24mm BOLT OP30/4SBL/SS				
	PART	1304672	FINISH	SATIN S/LESS STEEL (0A6)	QTY EACH
	OPTIMUM 4PT HINGED 40mm B/S 13mm BOLT OP40/4SBS/SS				
	PART	1304674	FINISH	SATIN S/LESS STEEL (0A6)	QTY EACH

Door Lever Sets - Killara Optimum



KILLARA XTRA LEVER HANDLE SET FOR DOUBLE CYLINDER	
PART	1344010
FINISH	BLACK (034) SATIN CHROME (094)
QTY	EACH



KILLARA LEVER HANDLE SET FOR DOUBLE CYLINDER	
PART	1344002
FINISH	BLACK (034) SATIN CHROME (094)
QTY	EACH



KILLARA LEVER HANDLE SET NO CYLINDER HOLE	
PART	1344001
FINISH	BLACK (034) SATIN CHROME (094)
QTY	EACH

Accessories - Killara Optimum



Machining Detail page 10.10 - 10.12

OPTIMUM 12mm DOUBLE SIDED STRIKE OPS001SS

PART	1304658
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH

P33121 STRIKER NO TONGUE

PART	1345320
FINISH	NOT SPECIFIED (099)
QTY	EACH

OPTIMUM STRIKE BOX TO SUIT OPS STRIKES

PART	1304659
FINISH	BLACK (034)
QTY	EACH



Suits Optimum Door Lock

OPTIMUM RODS SCREW IN 1m & 1.3m RODS WITH STD TIPS P33096

PART	1345018
FINISH	NOT SPECIFIED (099)
QTY	EACH

TWIN BOLT SCREW IN 1m & 2m RODS w POLYMER TIPS P330969

PART	1345342
FINISH	NOT SPECIFIED (099)
QTY	SET



Suits Optimum Door Lock & Killara Twin Bolts

1m ROD WITH EXTENSION JOINER NO TIP P84017

PART	1345144
FINISH	NOT SPECIFIED (099)
QTY	EACH



Required for wind pressures above 2kpa, and panels over 2700 high. Suits Optimum Locks only.

STAINLESS STEEL D ROD TIP 65mm x 1 P9731

PART	1313100
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH

Cylinders

62mm Euro Cylinder	Part	Item Description
 Suits - Killara Optimum Hinge - Allegion Hinge Door Locks	1360181	FIXED CAM 62mm EURO PROFILE CYLINDER A01
	1360182	FIXED CAM 62mm EURO PROFILE CYLINDER A02
	1360183	FIXED CAM 62mm EURO PROFILE CYLINDER A03
	1360184	FIXED CAM 62mm EURO PROFILE CYLINDER A04
	1360185	FIXED CAM 62mm EURO PROFILE CYLINDER A05
	1360186	FIXED CAM 62mm EURO PROFILE CYLINDER A06
	1361187	FIXED CAM 62mm EURO PROFILE CYLINDER A07
	1360188	FIXED CAM 62mm EURO PROFILE CYLINDER A08
	1360189	FIXED CAM 62mm EURO PROFILE CYLINDER A09
	1360180	FIXED CAM 62mm EURO PROFILE CYLINDER A10

Hinge Door Locks - Allegion



Machining Detail page 10.13

SCHLAGE 2PT LOCK 30mm BACKSET WITHOUT STRIKE 2802/3	
PART	1304730
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



Machining Detail page 10.13

SCHLAGE 4PT LOCK 30mm BACKSET WITH STRIKE 2804/3	
PART	1304731
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



SCHLAGE 4PT RODS 3.5m D TIP 2800-30D	
PART	1304732
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH

Door Lever Sets - Allegion



BRIO 288 LEVER HANDLE SET DOUBLE CYLINDER STAINLESS STEEL	
PART	1304113
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET



BRIO 288 LEVER HANDLE SET DOUBLE CYLINDER BLACK	
PART	1304114
FINISH	BLACK (034)
QTY	EACH



VIRTUS HINGED LOCK 12mm STRIKE LH&RH	
PART	1308450
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

For Cylinders, refer to page 6.8

6. Hardware & Components

H+B Entry Door Mortice Lock and Lever Kits



Cylinders and Strike Plates not included and are additional

HB8813 30mm B/SET KIT 1005 LEVER NO CYL	
PART	FINISH
1381101	BLACK BLASTED (0NN)
1381102	B.D BRONZE (0ML)
1381100	SATIN CHROME (094)



Cylinders and Strike Plates not included and are additional

HB8813 30mm B/SET KIT 1035 LEVER NO CYL	
PART	FINISH
1381104	BLACK BLASTED (0NN)
1381105	B.D BRONZE (0ML)
1381103	SATIN CHROME (094)

Machining Detail page
10.17 to page 10.19



HB 5PIN 42mm HALF KEY CYLINDER	
PART	FINISH
1381138	BLACK BLASTED (0NN)
1381139	B.D BRONZE (0ML)
1381137	SATIN CHROME (094)
HB 5PIN 60mm DOUBLE KEY CYLINDER	
PART	FINISH
1381141	BLACK BLASTED (0NN)
1381142	B.D BRONZE (0ML)
1381140	SATIN CHROME (094)
HB 5PIN 60mm KEY & TURN CYLINDER	
PART	FINISH
1381144	BLACK BLASTED (0NN)
1381145	B.D BRONZE (0ML)
1381143	SATIN CHROME (094)



Use for French Doors
or Meeting Stiles

HB8813 24mm STRIKE SS	
PART	1381115
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

HB8813 12mm STRIKE SS	
PART	1381115
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

Verta Hinge Door Mortice Lock Kit Selection



VERTA 2PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT	
PART	1308457
FINISH	PVD BLACK (034)
QTY	KIT



VERTA 2PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT	
PART	1308474
FINISH	STAINLESS STEEL (0G8)
QTY	KIT



VERTA 4PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT	
PART	1308458
FINISH	PVD BLACK (034)
QTY	KIT



VERTA 4PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT	
PART	1308463
FINISH	STAINLESS STEEL (0G8)
QTY	KIT



Required
for Meeting
Configurations.
Not included in kits

P33121 STRIKER NO TONGUE	
PART	1345320
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



70mm EURO PROFILE DOUBLE CYLINDER		
PART / FINISH	1360171	SATIN CHROME (094)
	1360284	BLACK (034)
70mm EURO PROFILE CYLINDER & TURN		
PART / FINISH	1360156	SATIN CHROME (094)
	1360275	BLACK (034)

Machining Detail page
10.14 to page 10.16

6. Hardware & Components

Mortice Lock Kits Hinge Door - Assa Abloy

Machining Detail page 10.20 -
10.21



**5782KIT01NOCYL DOUBLE
CYLINDER KIT 30mm B/SET NO
CYL**

PART	1370611
FINISH	SATIN CHROME (094)
QTY	KIT



**5782KIT04NOCYL CYLINDER &
TURN KIT 30mm B/SET NO CYL**

PART	1370614
FINISH	SATIN CHROME (094)
QTY	KIT



**5782KIT05NOCYL SINGLE
CYLINDER KIT 30mm B/SET NO
CYL**

PART	1370615
FINISH	SATIN CHROME (094)
QTY	KIT



Machining Detail page 10.27

**3772AFKIT01NOCYL DOUBLE
CYLINDER KIT 60mm B/SET NO
CYL**

PART	1370621
FINISH	SATIN CHROME (094)
QTY	KIT



Machining Detail page 10.37

**3772AFKIT04NOCYL CYLINDER &
TURN KIT 60mm B/SET NO CYL**

PART	1370624
FINISH	SATIN CHROME (094)
QTY	KIT



Machining Detail page 10.37

**3772AFKIT05NOCYL SINGLE
CYLINDER KIT 60mm B/SET NO
CYL**

PART	1370625
FINISH	SATIN CHROME (094)
QTY	KIT

Cylinders - Assa Abloy

570 V CAM CYLINDERS	PART	ITEM DESCRIPTION
	1360191	A570 CYLINDER WITH V CAM LOCK KEY A01
	1360192	A570 CYLINDER WITH V CAM LOCK KEY A02
	1360193	A570 CYLINDER WITH V CAM LOCK KEY A03
	1360194	A570 CYLINDER WITH V CAM LOCK KEY A04
	1360195	A570 CYLINDER WITH V CAM LOCK KEY A05
	1360196	A570 CYLINDER WITH V CAM LOCK KEY A06
	1360197	A570 CYLINDER WITH V CAM LOCK KEY A07
	1360198	A570 CYLINDER WITH V CAM LOCK KEY A08
	1360199	A570 CYLINDER WITH V CAM LOCK KEY A09
	1360290	A570 CYLINDER WITH V CAM LOCK KEY A10
SUITS LOCKWOOD SELECTOR MORTICE LOCK RANGE		

MORE OPTIONS & FINISHES AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH

Mortice Lock Kits Hinge Door - Allegion

Machining Detail page 10.20 - 10.21



LEGGE 995-V31KIT SINGLE CYL KD EGRESS 30mm B/SET SSS	
PART	1309758
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



LEGGE 995-C21KIT CYL & TURN KD LOCKING 30mm B/SET SSS	
PART	1309759
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



LEGGE 995-C27KIT DOUBLE CYL KD LOCKING 30mm B/SET SSS	
PART	1309761
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH

Mortice Lock Kits Hinge Door & Electronic Entry - DormaKaba



Machining Detail page 10.28

MS2602KIT6AS30KASSS SINGLE CYL KIT KAL 60mm B/SET	
PART	1370187
FINISH	SATIN S/LESS STEEL (0A6)
QTY	KIT



Machining Detail page 10.38

MS2602KIT3AS30KAA CYL & TURN KIT INC KAL CYL 60mm B/SET	
PART	1370183
FINISH	SATIN S/LESS STEEL (0A6)
QTY	KIT



Machining Detail page 10.38

MS2602KIT1AS30KAA DOUBLE CYL KIT KEY ALIKE 60mm B/SET	
PART	1370180
FINISH	SATIN S/LESS STEEL (0A6)
QTY	KIT



Machining Detail page 10.29

M5 DIGITAL BLE STANDARD LEVER	
PART	1309788
FINISH	MATT BLACK (0G7)
QTY	KIT



Machining Detail page 10.39

M5 DIGITAL BLE STANDARD LEVER	
PART	1370740
FINISH	NICKEL BACK (0YL)
QTY	KIT

MORE OPTIONS & FINISHES AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH

6. Hardware & Components

Flush-bolts

Machining Detail page 10.9



FLUSH BOLT OFFSET 300mm INC ROD GUIDES P3530D HAWK	
PART	1345050
FINISH	BLACK (034) SATIN CHROME (094)
QTY	EACH

FLUSH BOLT OFFSET 600mm INC ROD GUIDES P3531D HAWK	
PART	1345052
FINISH	BLACK (034) SATIN CHROME (094)
QTY	EACH



DUST PROOF UNIVERSAL FLOOR FERRULE	
PART	1360048
FINISH	SATIN STAINLESS STEEL (0A6)
QTY	EACH



FLUSH BOLT TOP HAT FLOOR FERRULE DN205	
PART	1309502
FINISH	MILL (001) MATT BLACK (0G7)
QTY	EACH

Door Holders



DOOR HOLDER 64mm PROJECTION DS884SCP	
PART	1398011
FINISH	SATIN CHROME (094)
QTY	EACH



DS885SCP DOOR HOLDER 77mm PROJECTION	
PART	1398010
FINISH	SATIN CHROME (094)
QTY	EACH



378982 MAGNETIC DOOR HOLDER	
PART	1378982
FINISH	NATURAL (0F8)
QTY	EACH

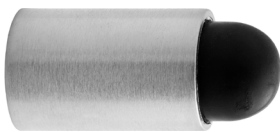
Door Stops



DOOR STOP FLOOR MOUNTED 3 POINT FLOOR FIX	
PART	1378251
FINISH	SATIN CHROME (094)
QTY	EACH



DOOR STOP FLOOR MOUNTED HALF MOON	
PART	1378352
FINISH	SATIN CHROME (094)
QTY	EACH



DOOR STOP WALL MOUNTED 75mm x 35mm CYLINDRICAL	
PART	1378360
FINISH	SATIN CHROME (094)
QTY	EACH



DOOR STOP FLOOR MOUNTED 37.5mm HIGH ROUND BUFFER	
PART	1378400
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



DOOR STOP WALL MOUNTED 82mm x 19mm CYLINDRICAL 2300SNP	
PART	1370877
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



HAWK HOLD OPEN SKIRT MOUNT DOOR STOP (G36SC)	
PART	1378963
FINISH	SATIN CHROME (094) BLACK (034)
QTY	EACH

MORE OPTIONS & FINISHES AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH

6. Hardware & Components

Hinges

	PART	DESCRIPTION	FINISH	QTY
	1308347	ALSPEC ALH130 HEAVY DUTY ALUM FAST FIX HINGE	CLEAR ANODISED	EACH
	1308348		BLACK	EACH
	1308349		WHITE	EACH

	PART	DESCRIPTION	FINISH	QTY
	1374021	AH130CAN FAST FIX COMMERCIAL ALUMINIUM HINGE	CLEAR ANODISED	EACH
	1374022	AH130BLK FAST FIX COMMERCIAL ALUMINIUM HINGE	BLACK	EACH
	1374023	AH130WH FAST FIX COMMERCIAL ALUMINIUM HINGE	PEARL WHITE GLOSS	EACH
	1374024	AH130SIL FAST FIX COMMERCIAL ALUMINIUM HINGE	SILVER	EACH

	PART	DESCRIPTION	FINISH	QTY
	1374081	A104 HEAVY DUTY ALUM FAST FIX HINGE	BLACK	EACH
	1374082		PEARL WHITE GLOSS	EACH

	PART	DESCRIPTION	FINISH	QTY
	1364069	NO39 UNIVERSAL ALUMINIUM HINGE CLEAR ANO 100 x 70 x 2.5mm	CLEAR ANODISED	EACH
	1364004	NO39 UNIVERSAL SS HINGE 100 x 70 x 2.5mm	STAINLESS STEEL	EACH

	PART	DESCRIPTION	FINISH	QTY
	1364002	NO9 SS HINGE 102 x 2.5mm (TIMBER DOOR)	STAINLESS STEEL	EACH

	PART	DESCRIPTION	FINISH	QTY
	1304211	W384304 FASTFIX SS PARLIAMENT HINGE	STAINLESS STEEL	EACH

Door widths may need to be reduced by 1.5mm

Entrance Pull Handles

	MADINOZ B2525OF HANDLE - AS1428 COMPLIANT			
	PART	LENGTH (mm)	PROJECTION (mm)	FINISH
	1379271	450	45	SATIN S/LESS STEEL (0A6)
	1379303	450	45	BLACK (PVD TC6H)
	1378599	600	45	SATIN S/LESS STEEL (0A6)
	NITRO PULL HANDLE - AS1428 COMPLIANT			
	PART	LENGTH (mm)	PROJECTION (mm)	FINISH
	1307111	300	50	SATIN S/LESS STEEL (0A6)
	1307115	300	50	MATT BLACK (0G7)
	1307109	450	60	SATIN S/LESS STEEL (0A6)
	1307110	625	60	SATIN S/LESS STEEL (0A6)
	1307114	625	60	MATT BLACK (0G7)
	1307112	1525	60	SATIN S/LESS STEEL (0A6)
	1307113	1525	60	MATT BLACK (0G7)
	DEGO SQUARE B/B PULL HDL - AS1428 COMPLIANT			
	PART	LENGTH (mm)	PROJECTION (mm)	FINISH
	1379515	325	70	SATIN S/LESS STEEL (0A6)
	1379546	325	70	MATT BLACK (0G7)
	1379517	625	70	SATIN S/LESS STEEL (0A6)
	OFFSET HANDLE BACK TO BACK 32mm - AS1428 COMPLIANT			
	PART	LENGTH (mm)	PROJECTION (mm)	FINISH
	1363005	300	80	SATIN S/LESS STEEL (0A6)
	1363006	450	80	SATIN S/LESS STEEL (0A6)
	HALF MOON HANDLE BACK TO BACK 32mm - AS1428 COMPLIANT			
	PART	LENGTH (mm)	PROJECTION (mm)	FINISH
	1363004	300	80	SATIN S/LESS STEEL (0A6)

More entrance
pull handles and
finishes available -
Contact your local
Alspec Branch

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

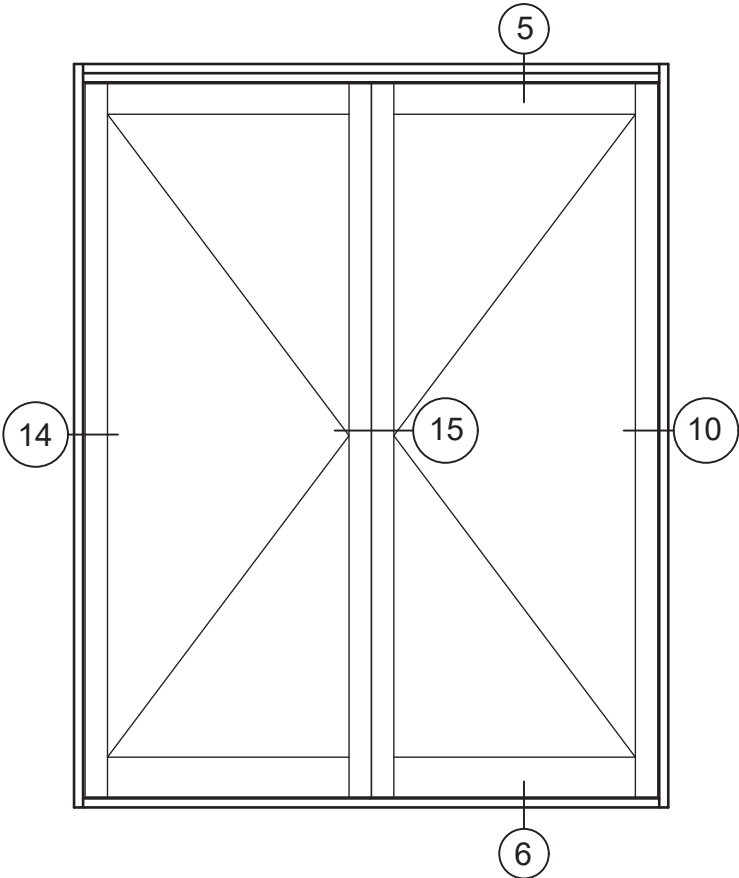
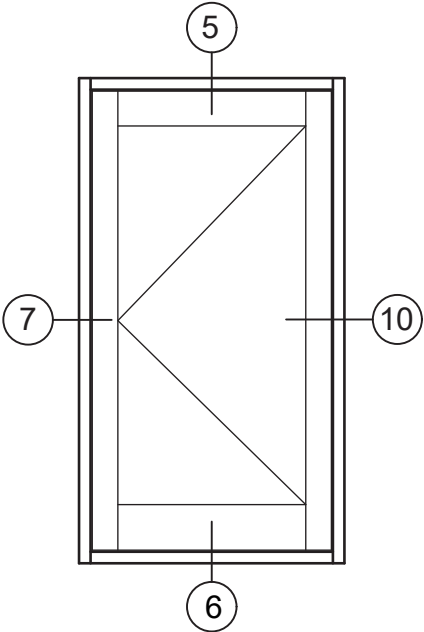
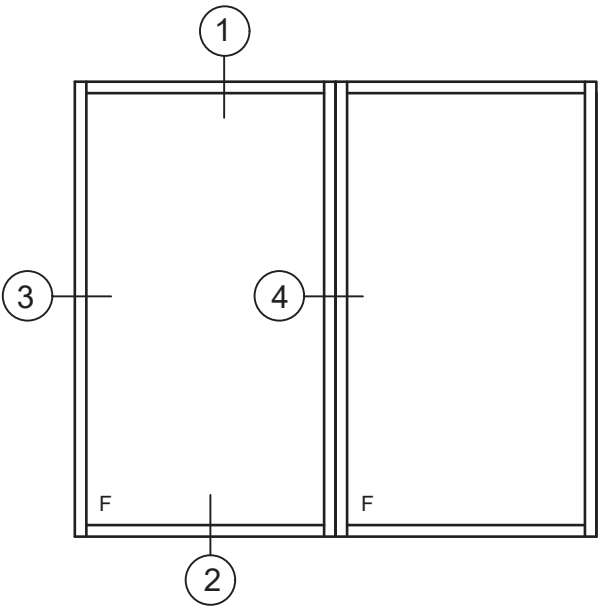
- Premium 100% silicone
- UV Stable
- 2-5 minute skin time
- Flexible + 25%
- No slump

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

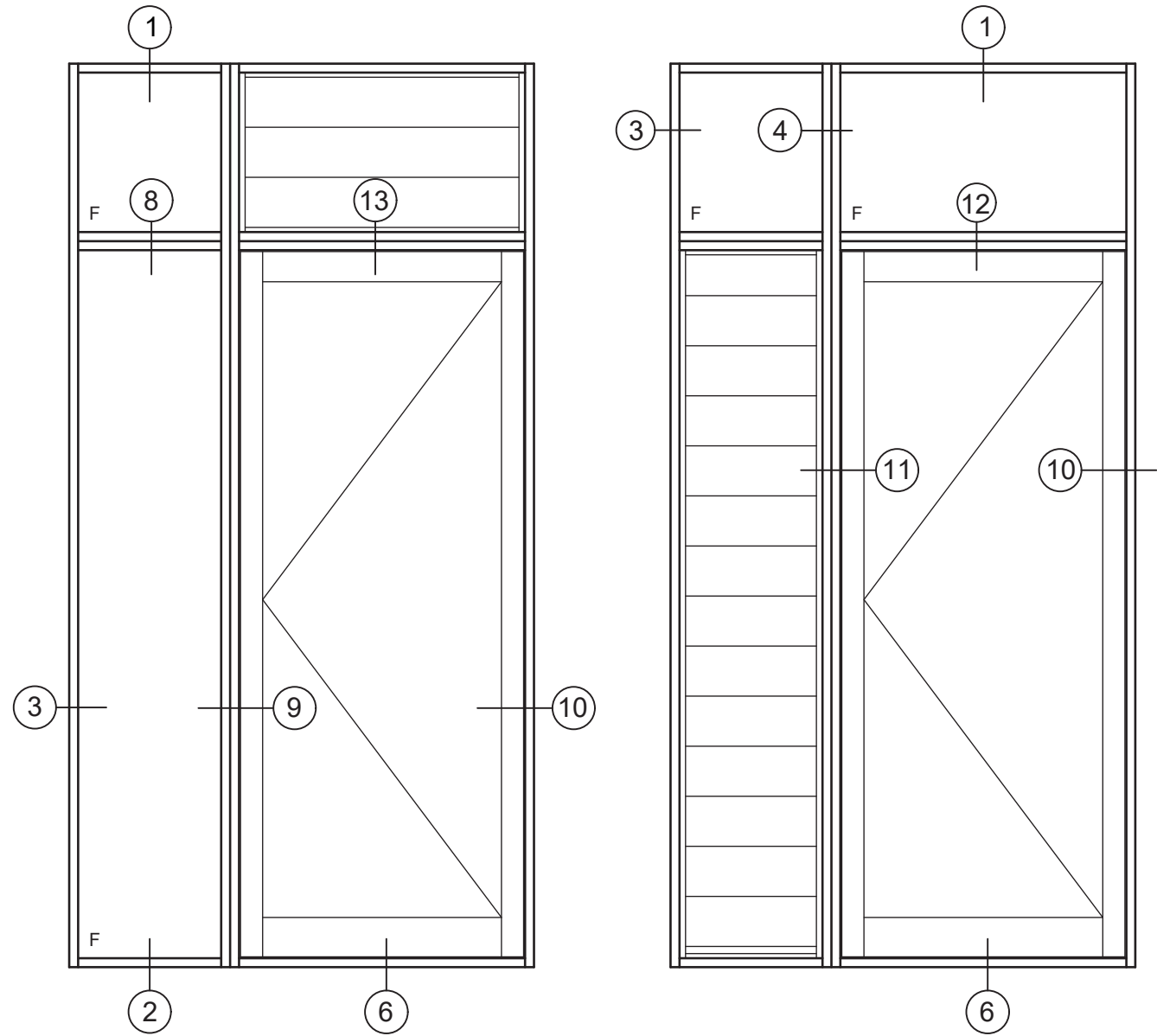
6. Hardware & Components

Silicone Product Codes

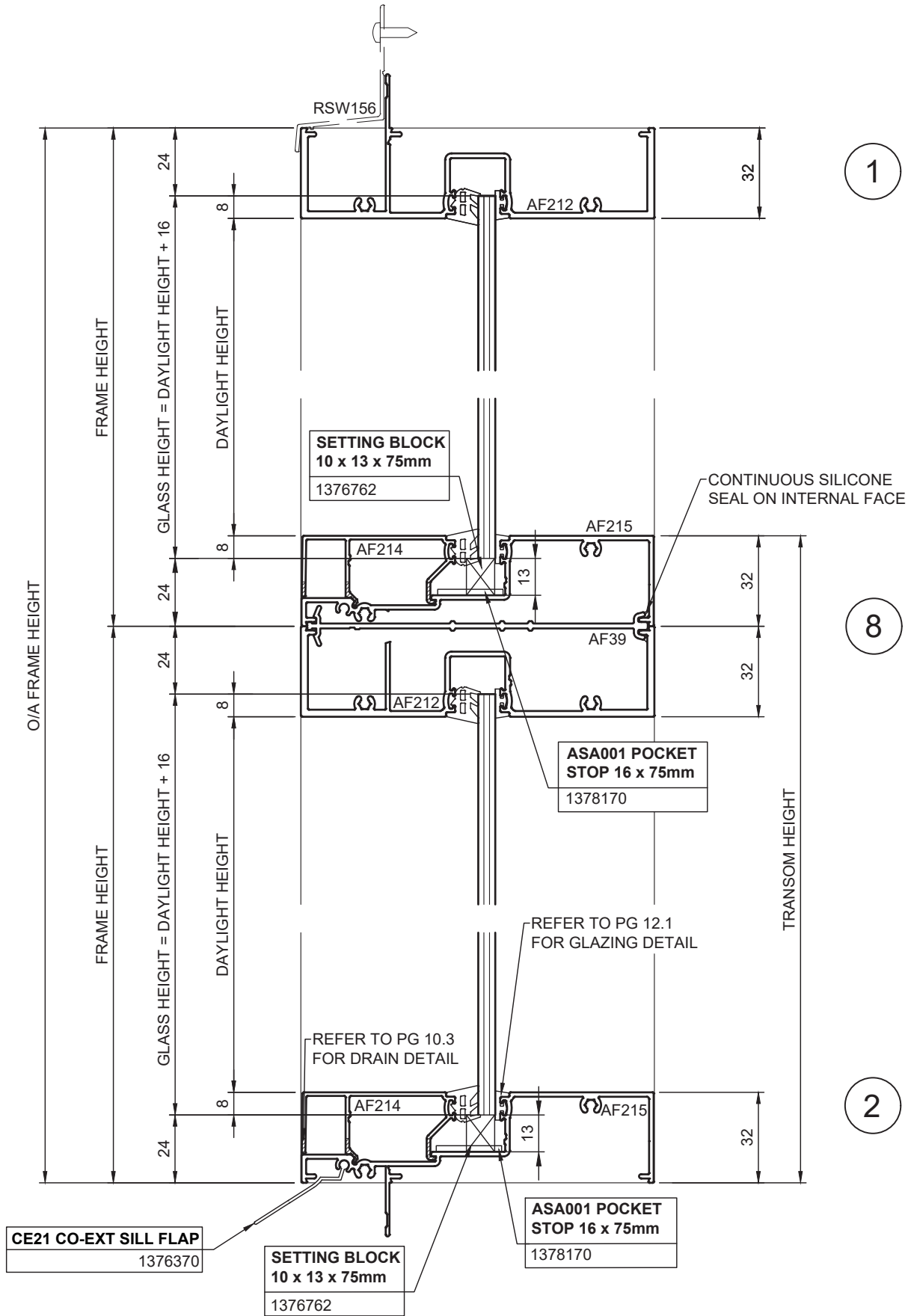
Product Category	Item No.	Alspec Part No. Code	Description	Finish	Pack
ALSPEC 100%	1	1386113	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALMOND IVORY	CARTRIDGE
	2	1386114	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALUMINIUM	CARTRIDGE
	3	1386105	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	BLACK	CARTRIDGE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



7. Typical Elevations

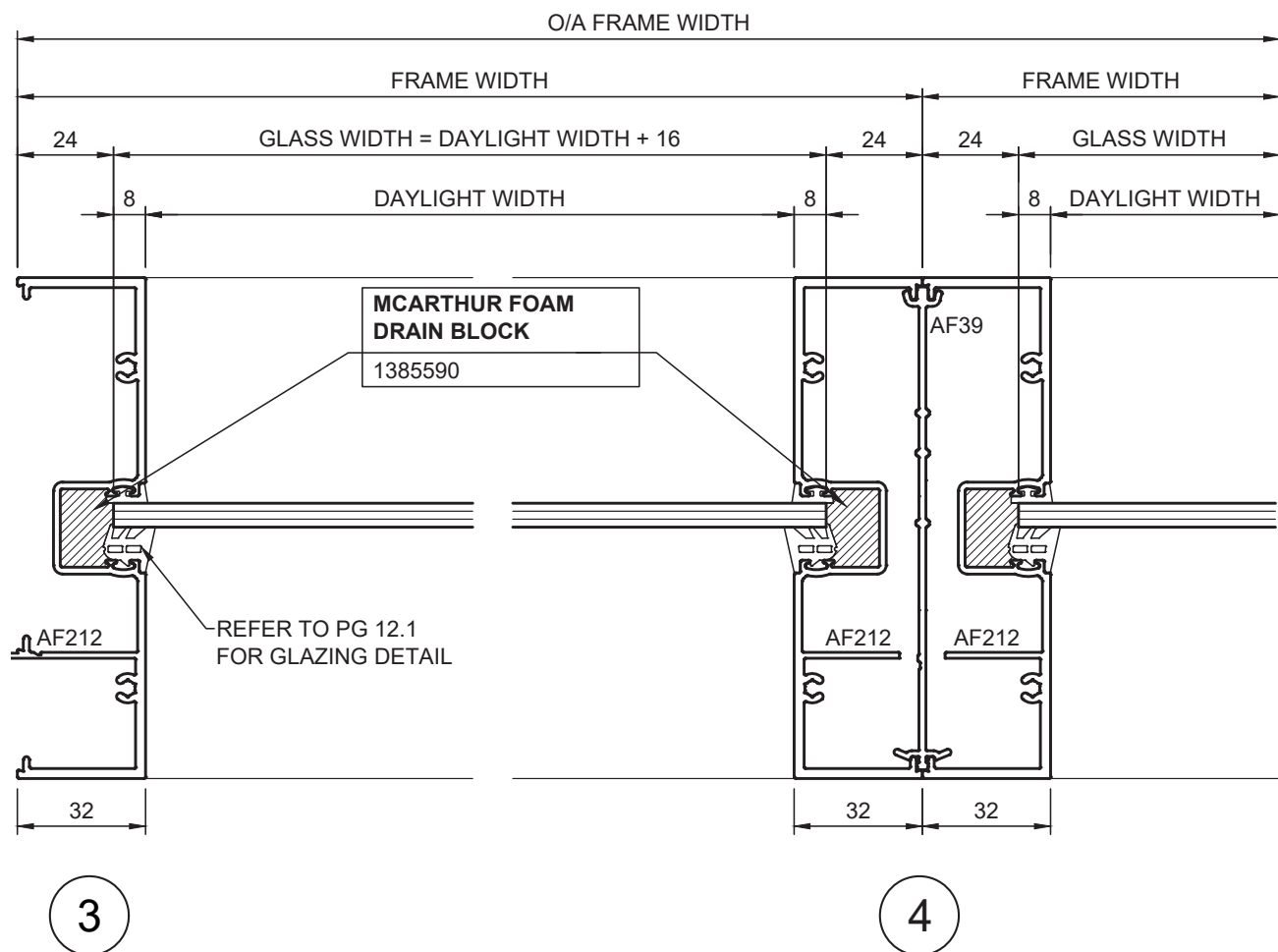


Fixed Glazing - Head, Sill and Transom Details

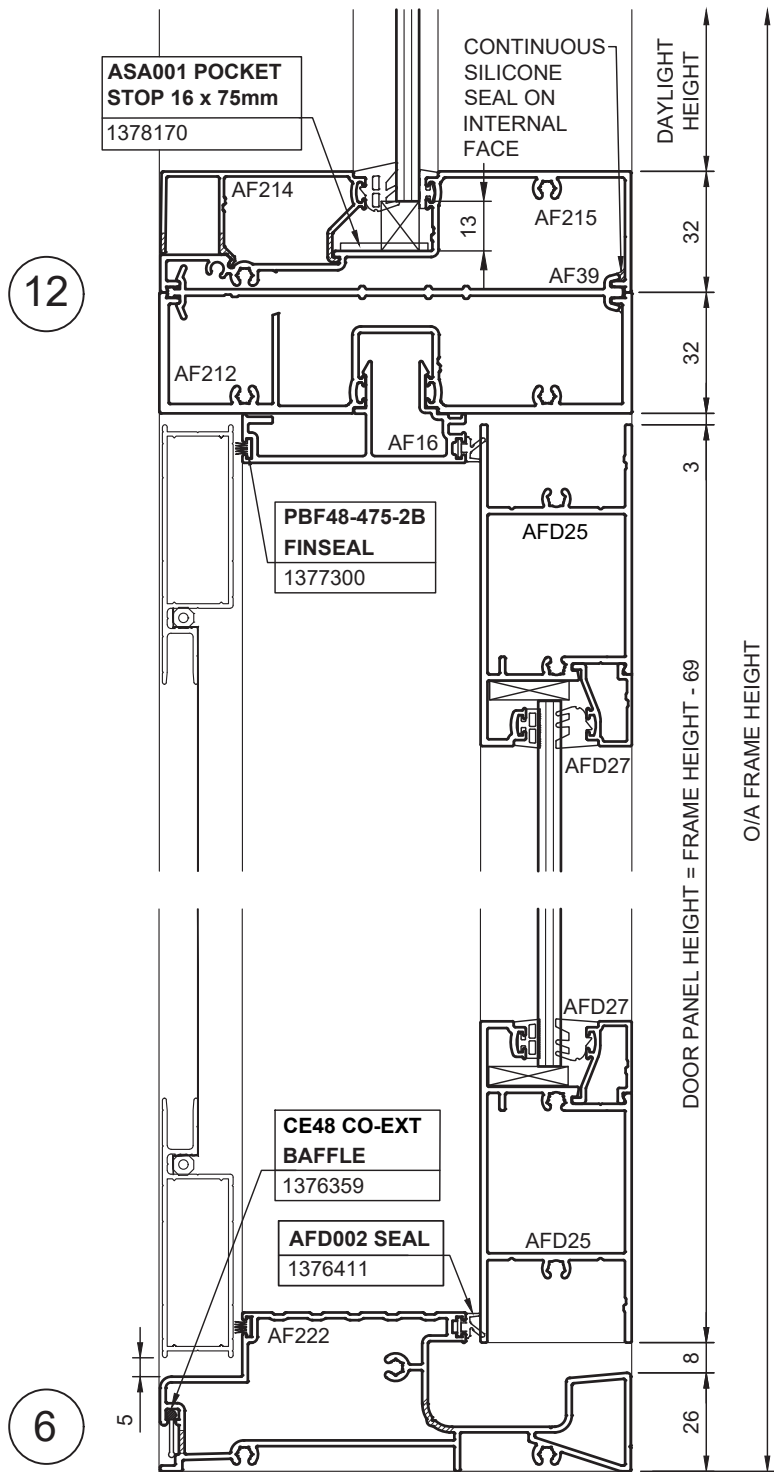


8. Typical Details

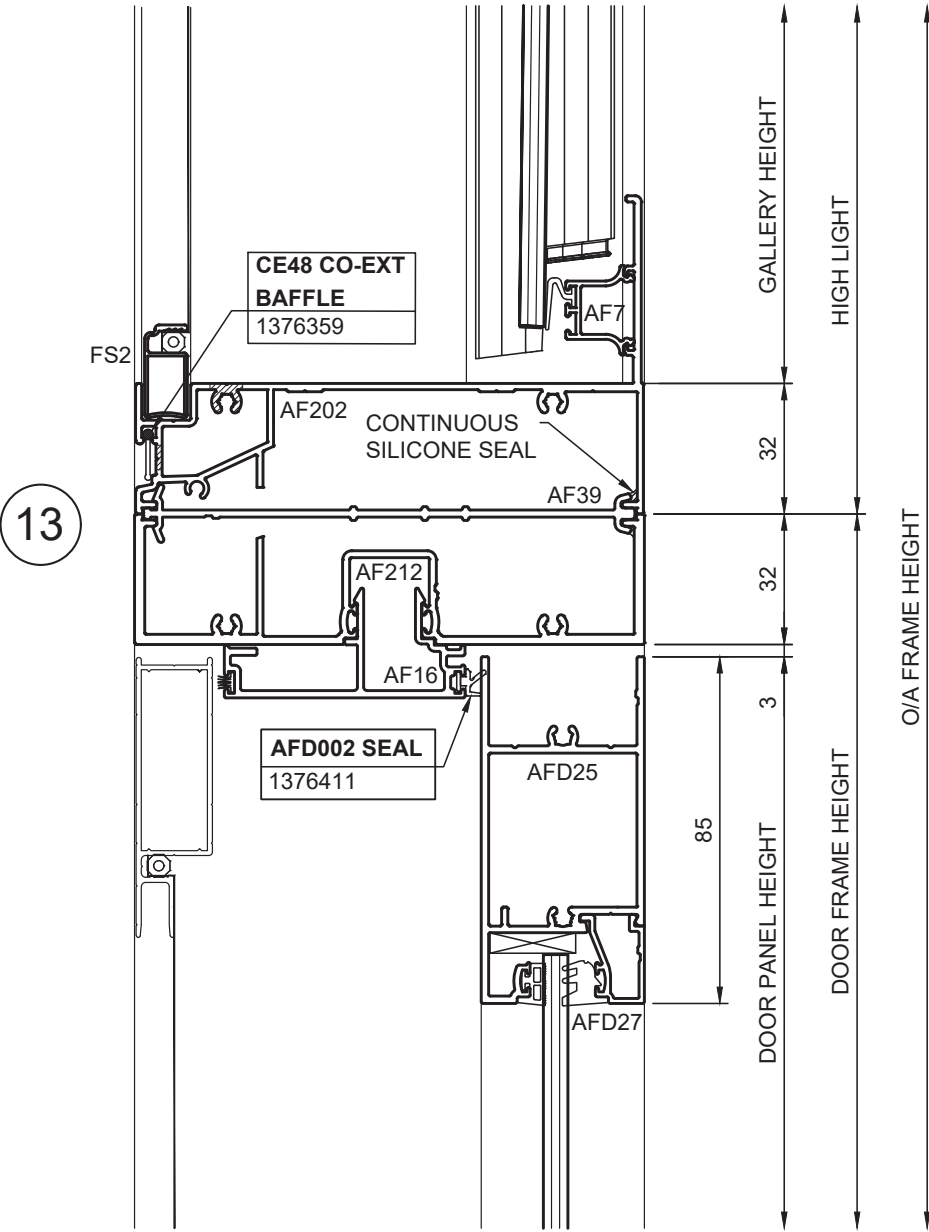
Fixed Glazing - Jamb and Mullion Details



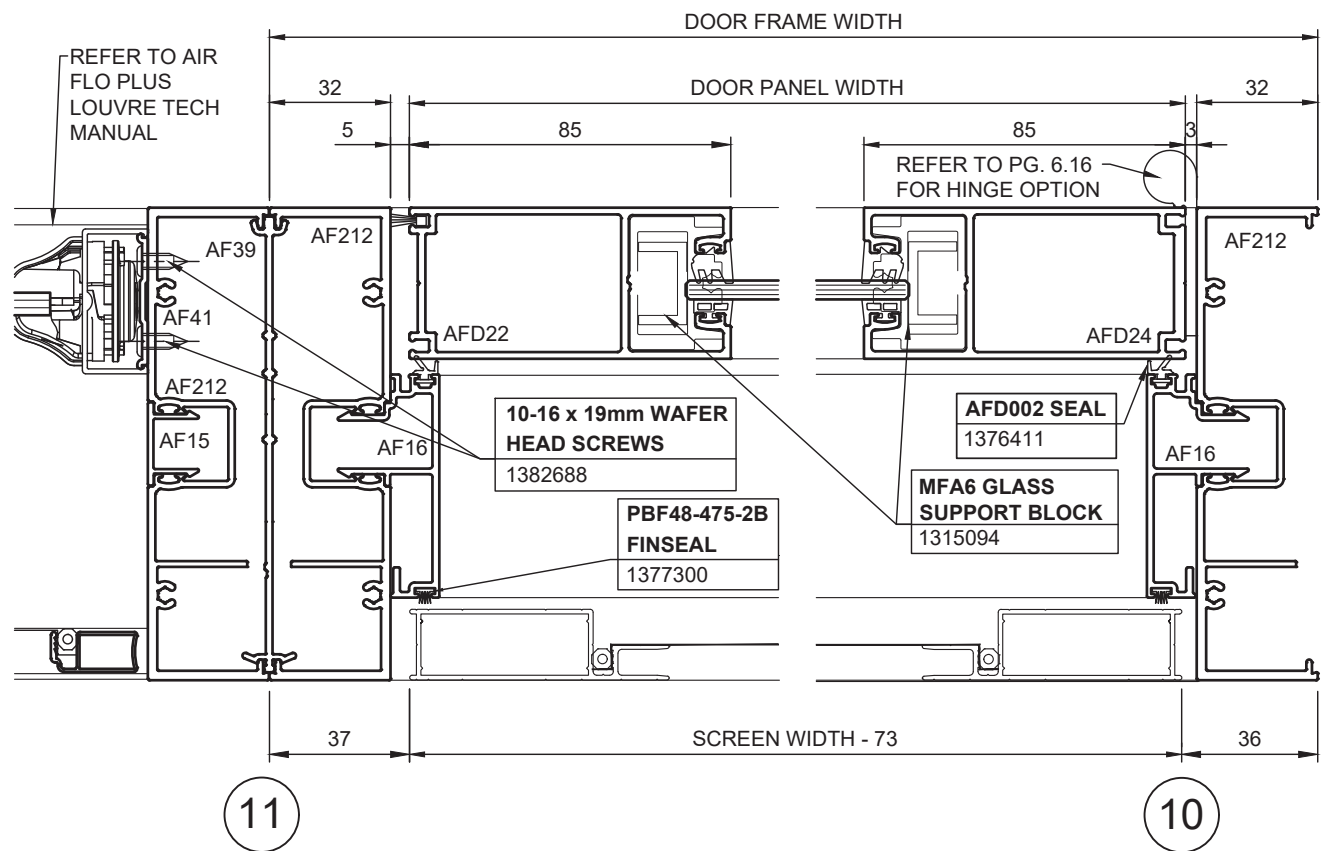
Door Details with Fixed Glazed High Lite - 40mm Air Flo Door



Door Details with Louvre High Lite - 40mm Air Flo Door

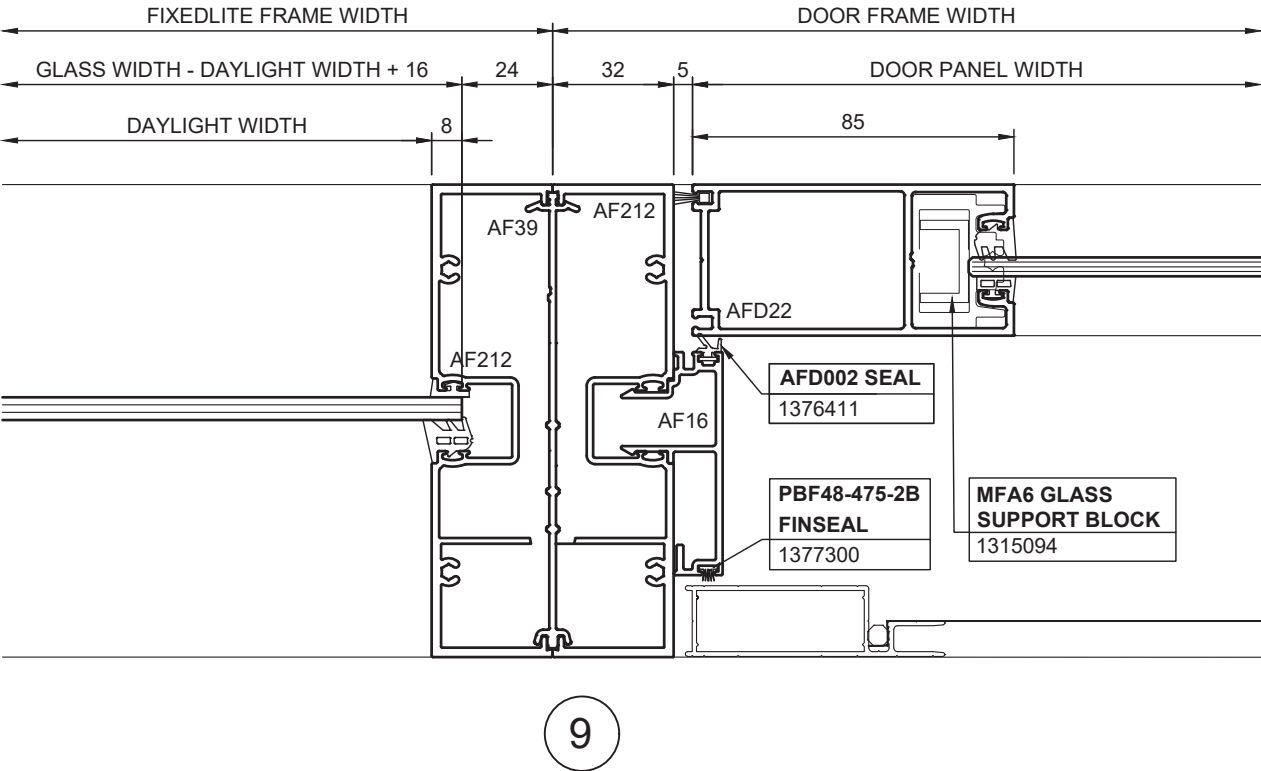


Typical Door Jamb and Mullion Details - 40mm Air Flo Door

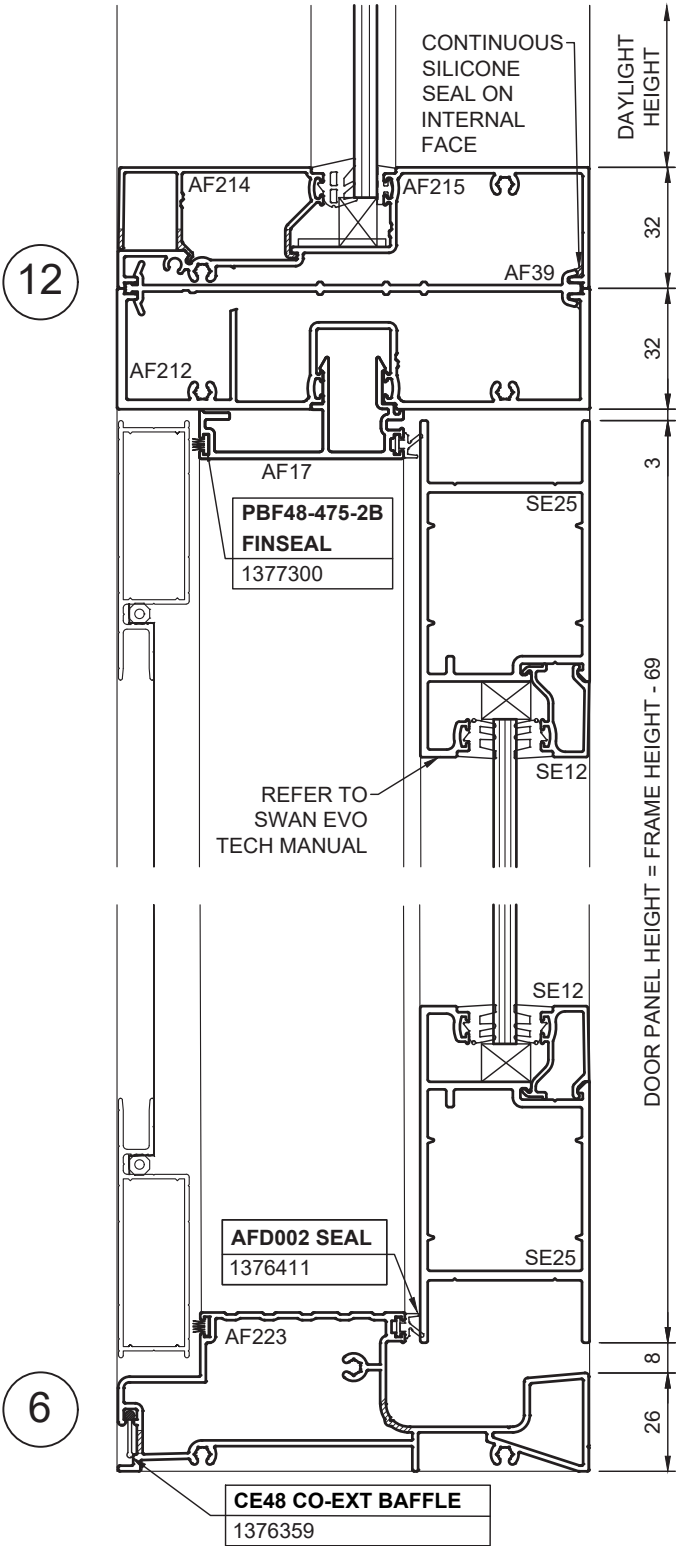


8. Typical Details

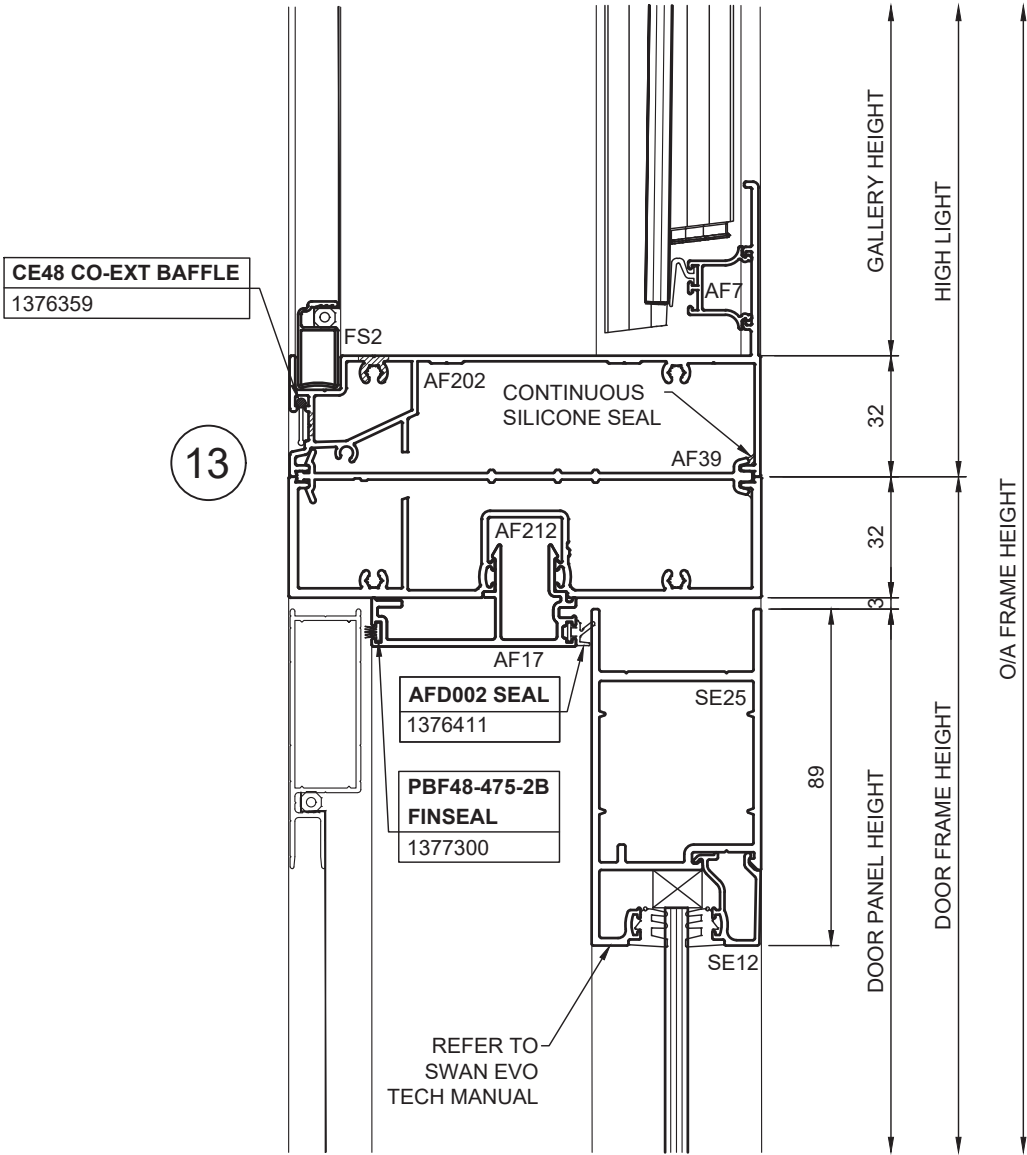
Fixed Side Lite / Door Detail - 40mm Air Flo Door



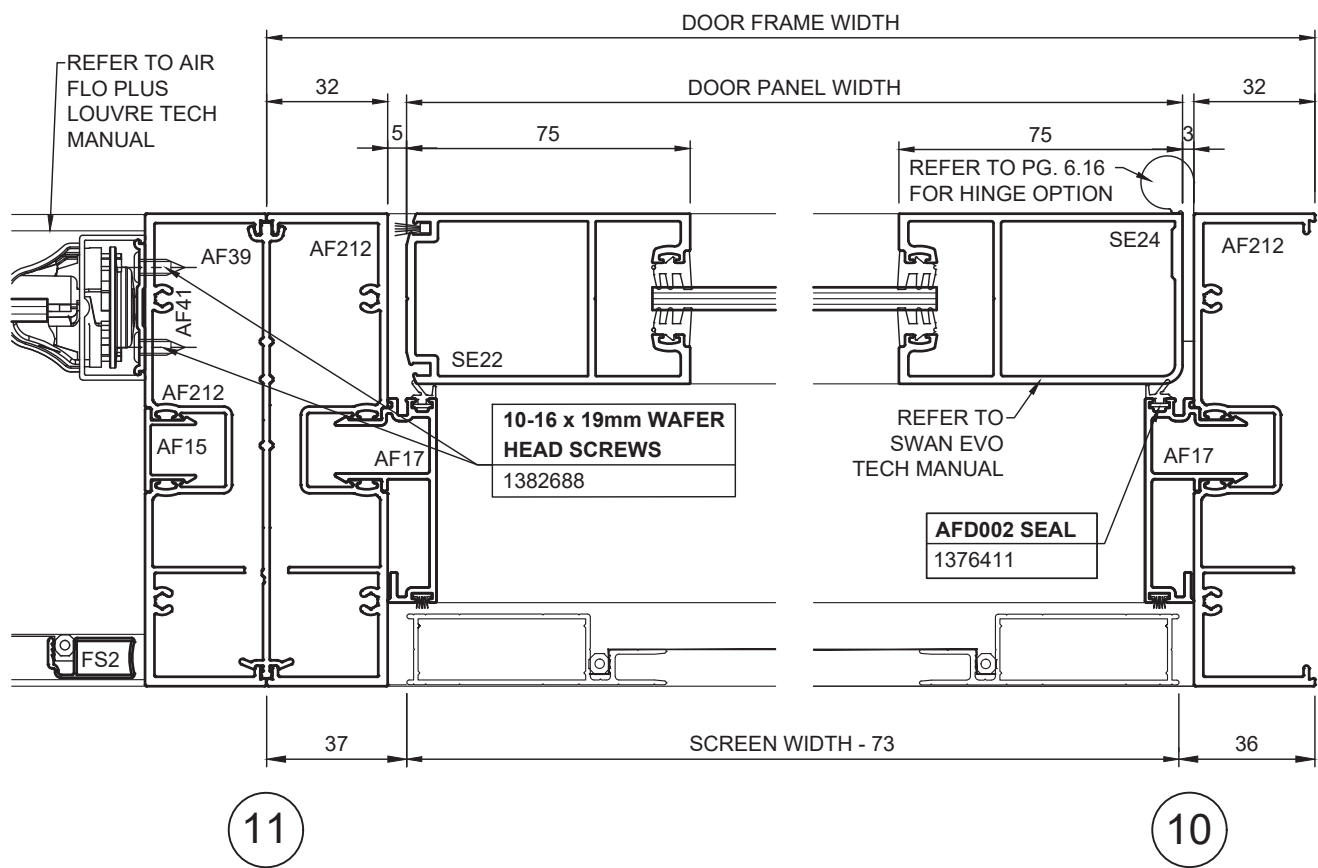
Door Details with Fixed Glazed High Lite - 45mm Swan Evo Door



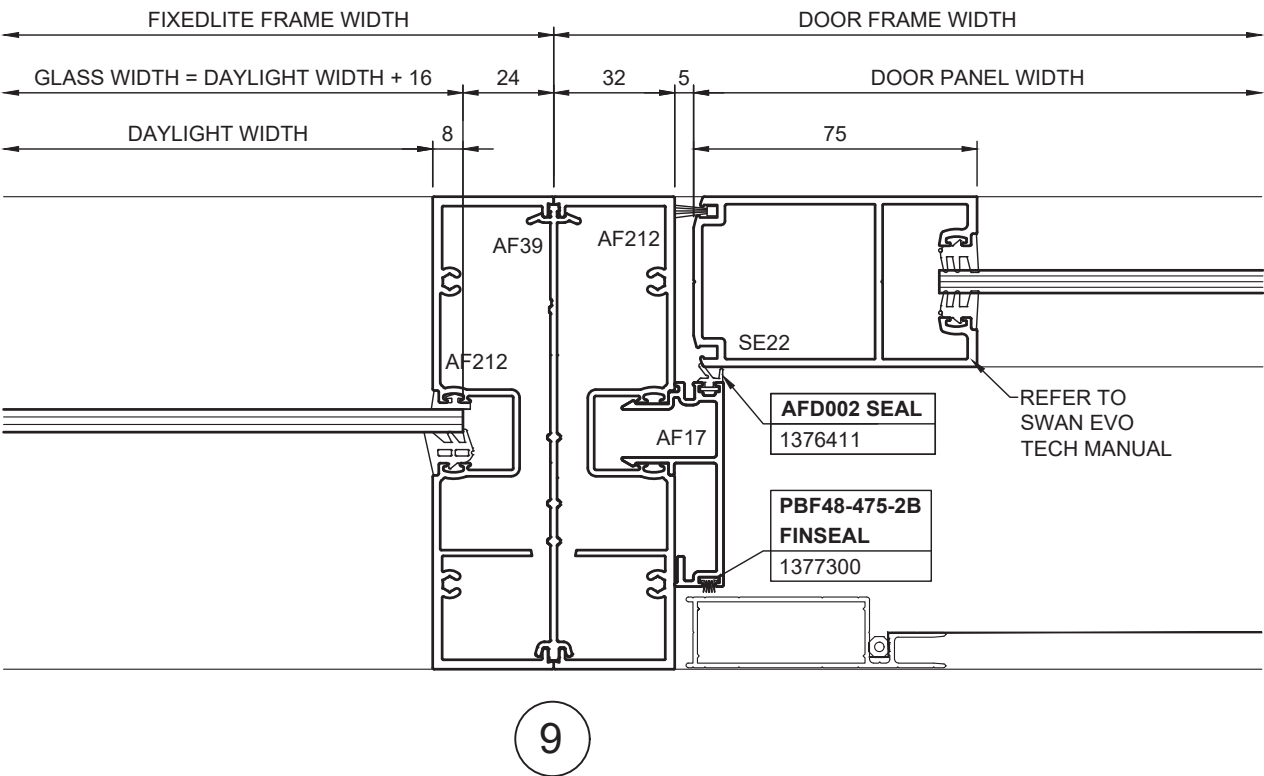
Door Details with Louvre High Lite - 45mm Swan Evo Door

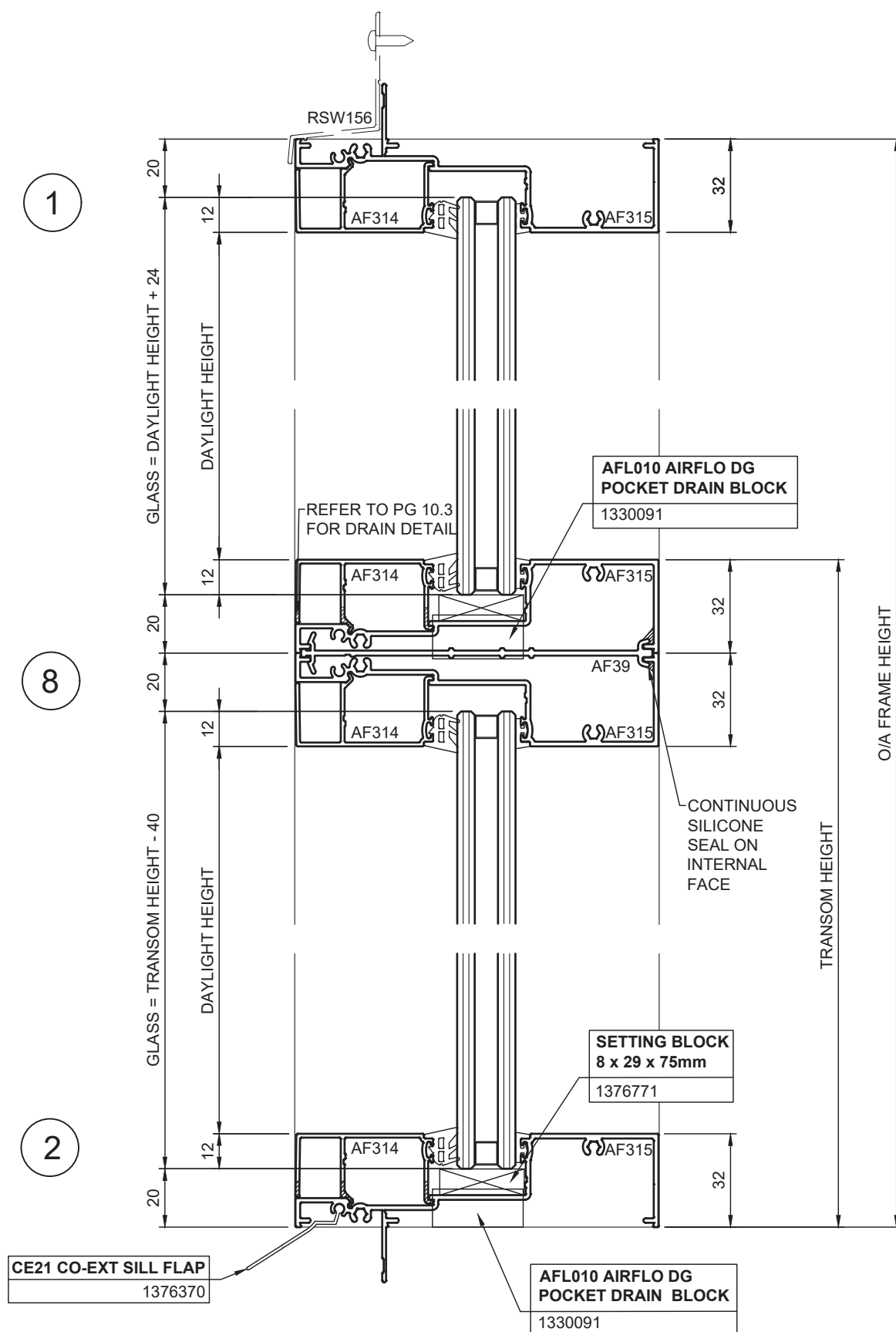


Typical Door Jamb and Mullion Details - 45mm Swan Evo Door

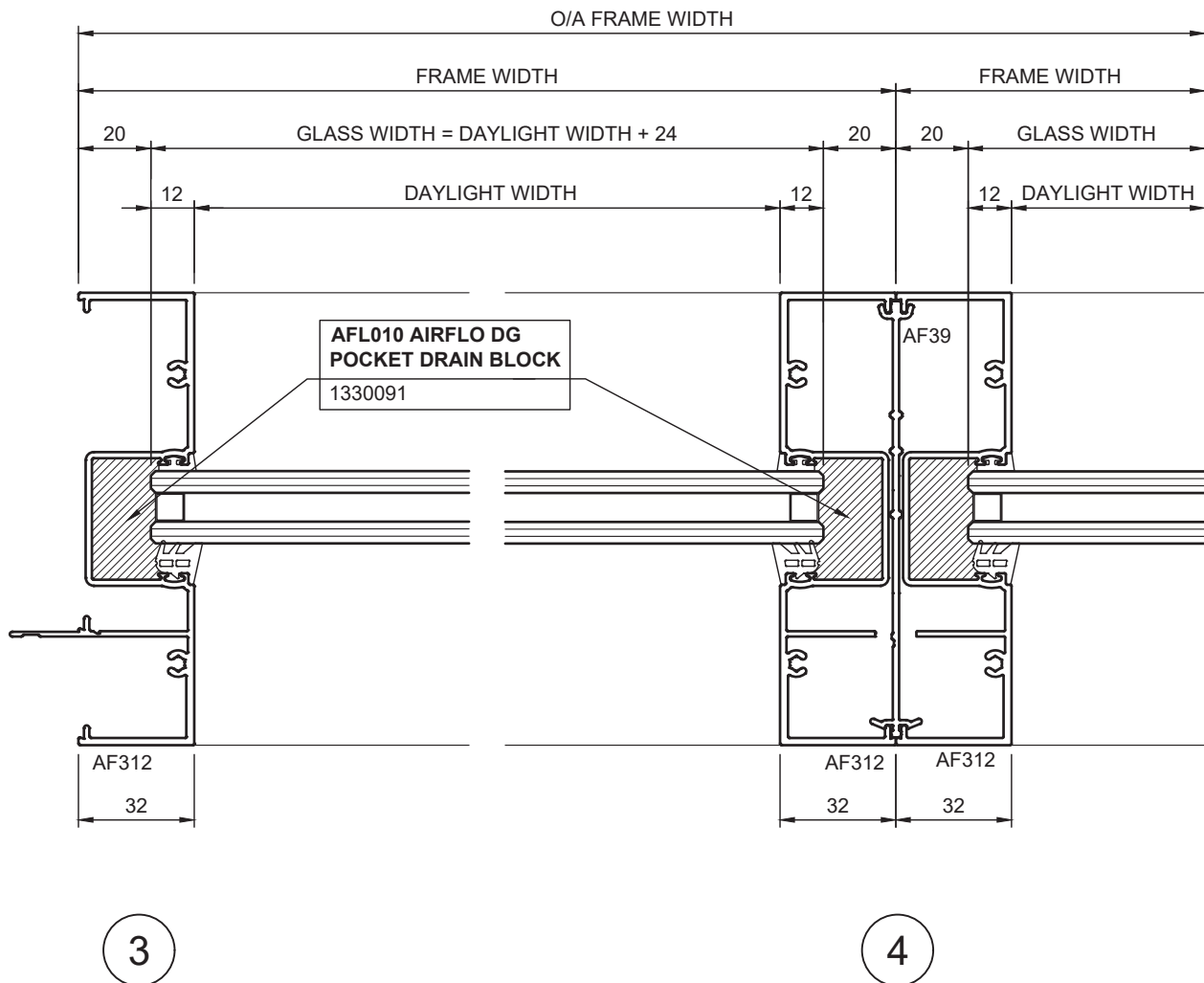


Fixed Side Lite / Door Detail - 45mm Swan Evo Door

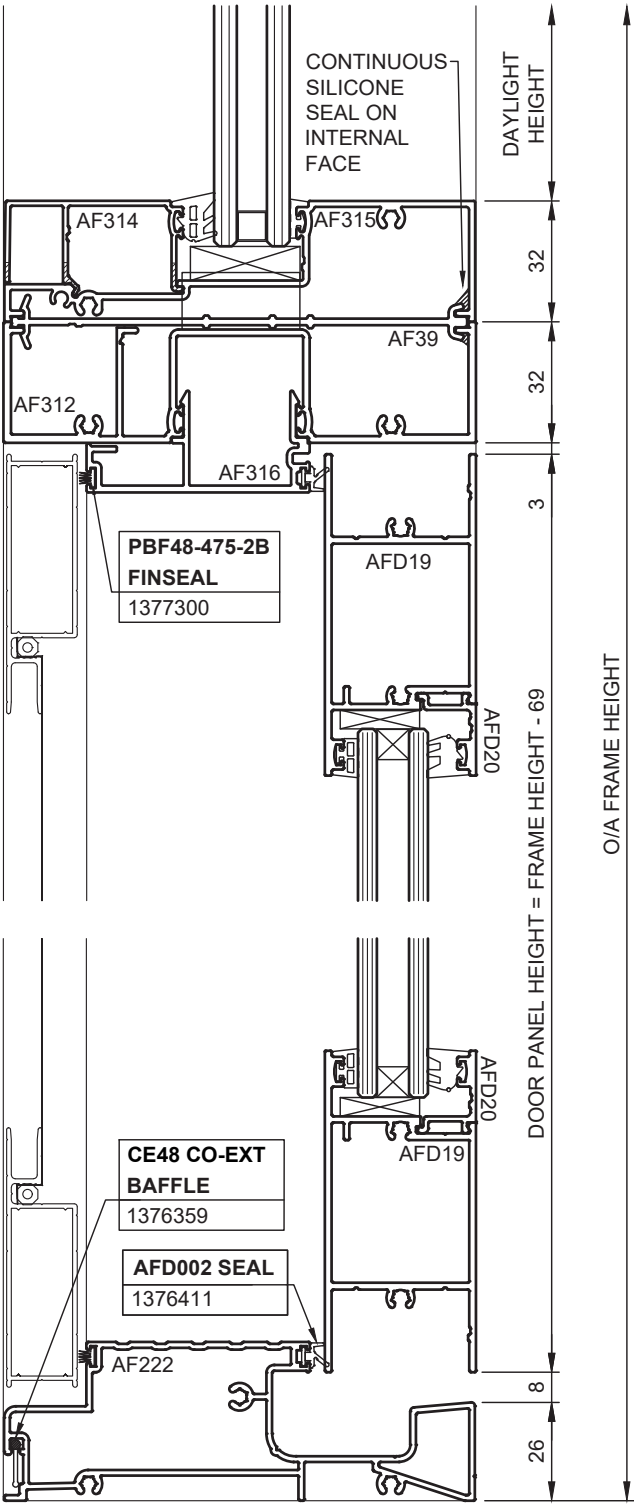




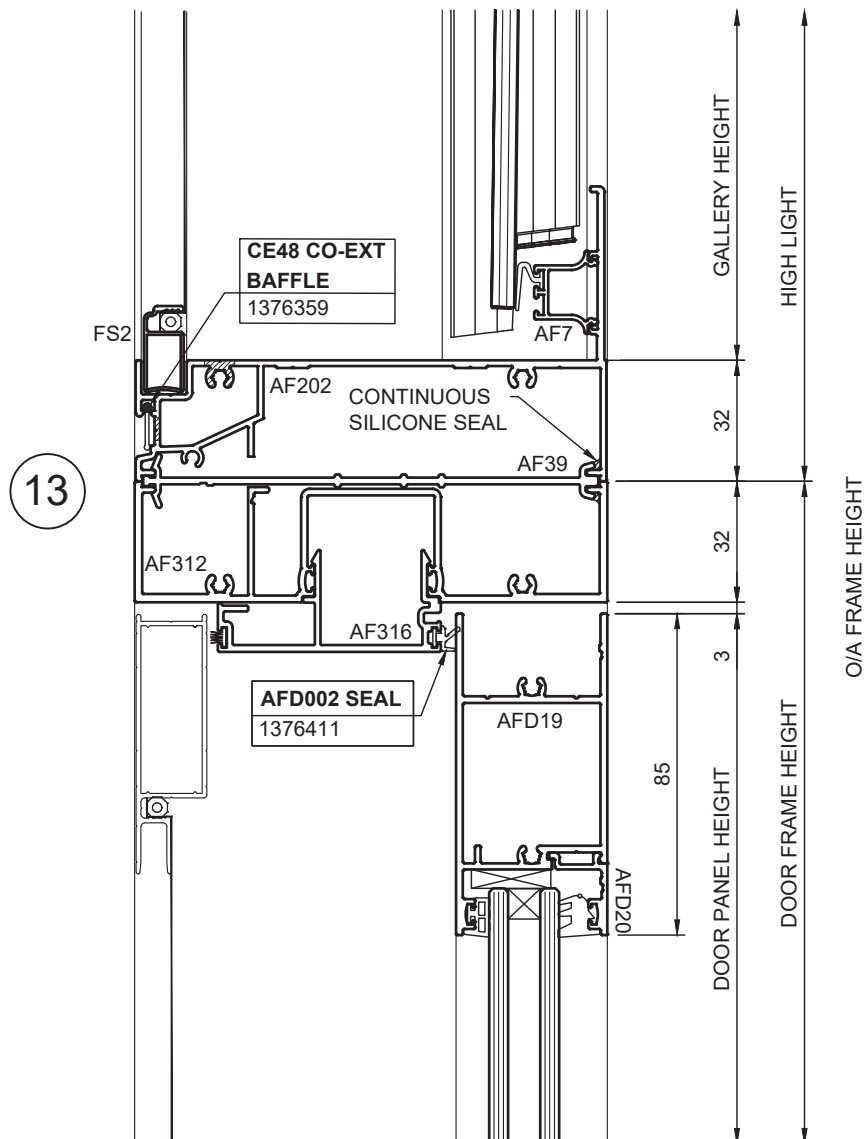
Double Glazed Fixed - Jamb and Mullion Details



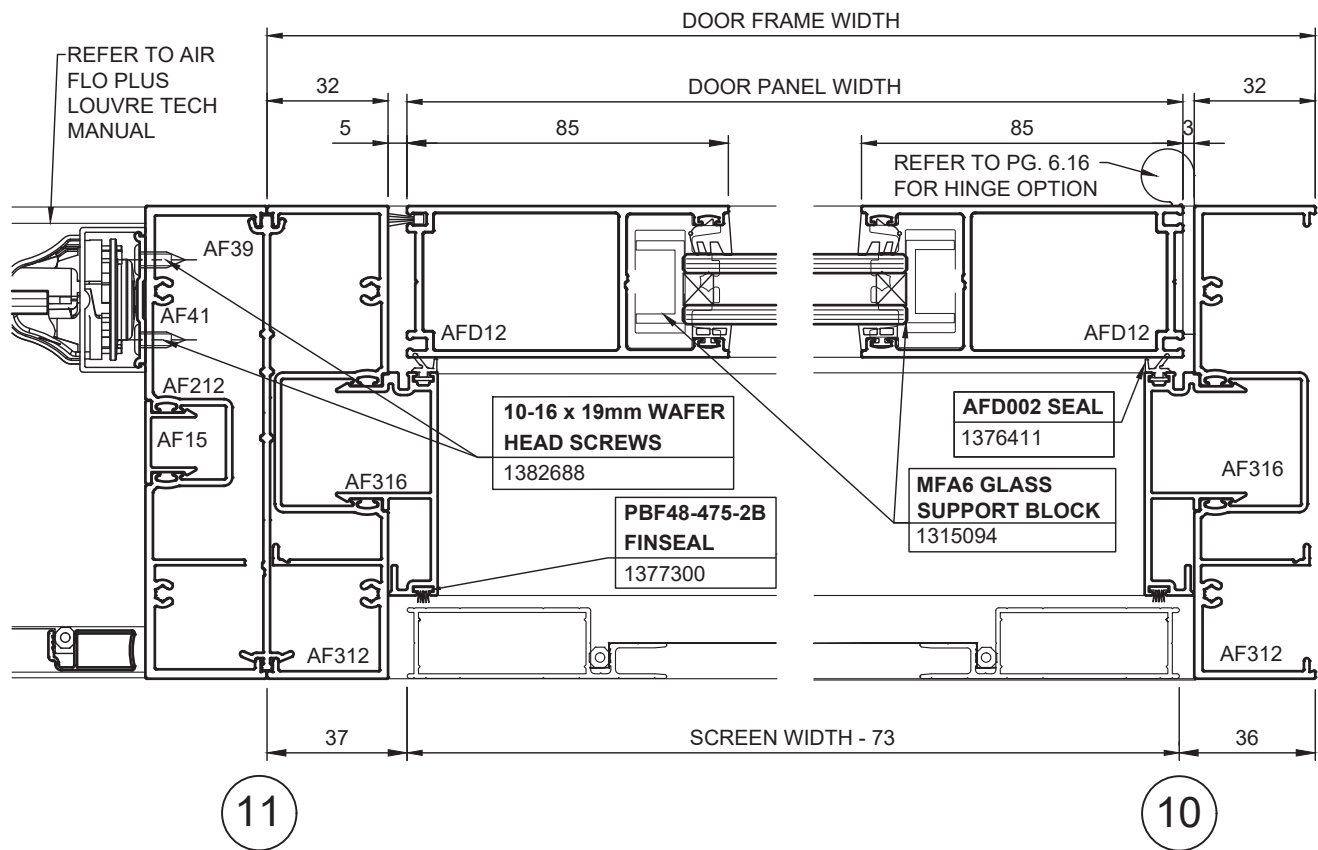
Double Glazed Door Details with Fixed Glazed High Lite - 40mm Air Flo Door



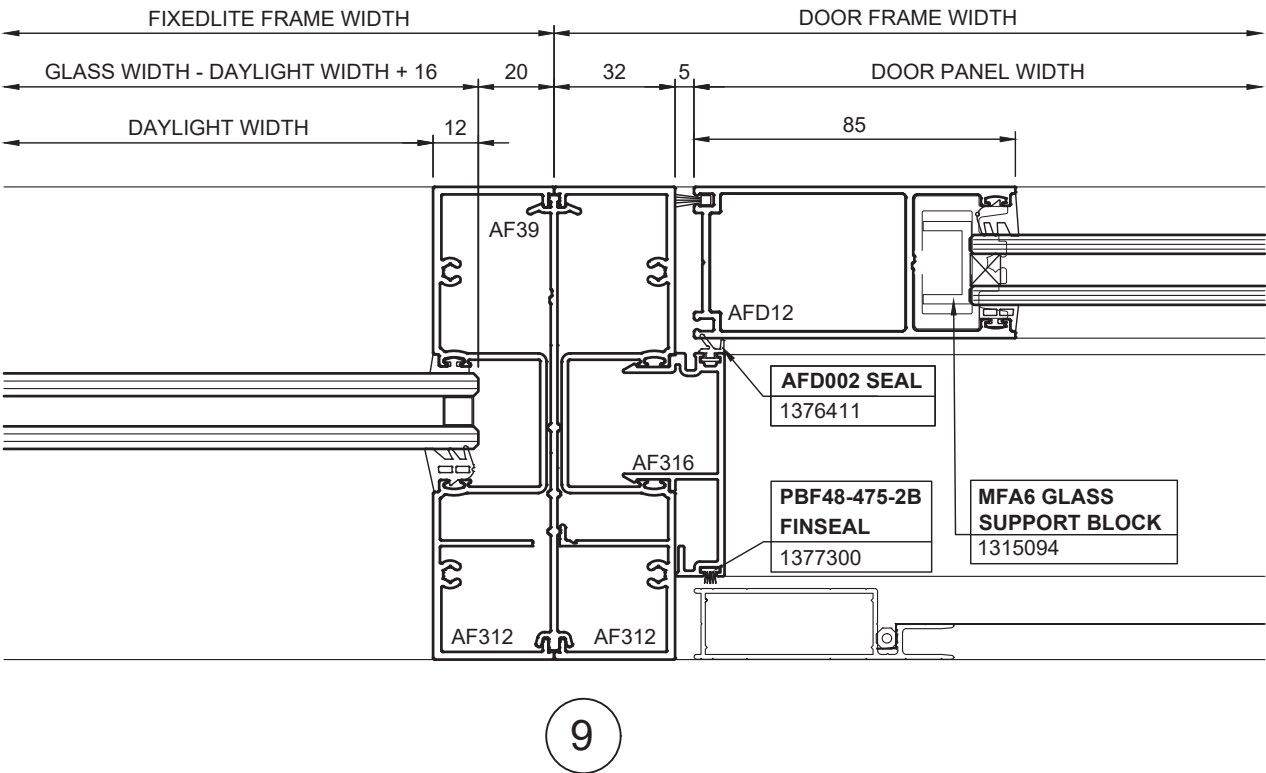
Double Glazed Door Details with Louvre High Lite - 40mm Air Flo Door



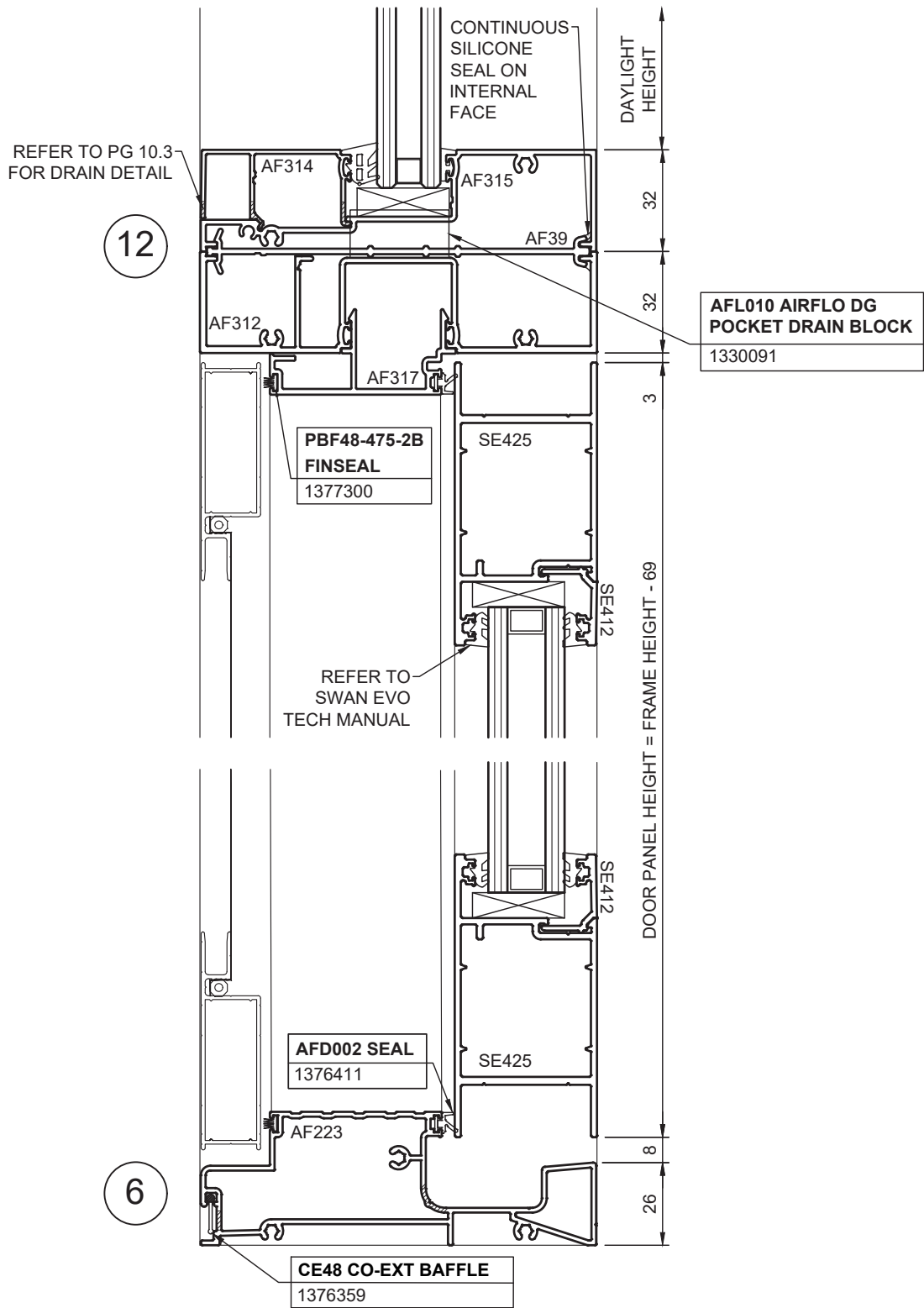
Double Glazed Typical Door Jamb and Mullion Details - 40mm Air Flo Door



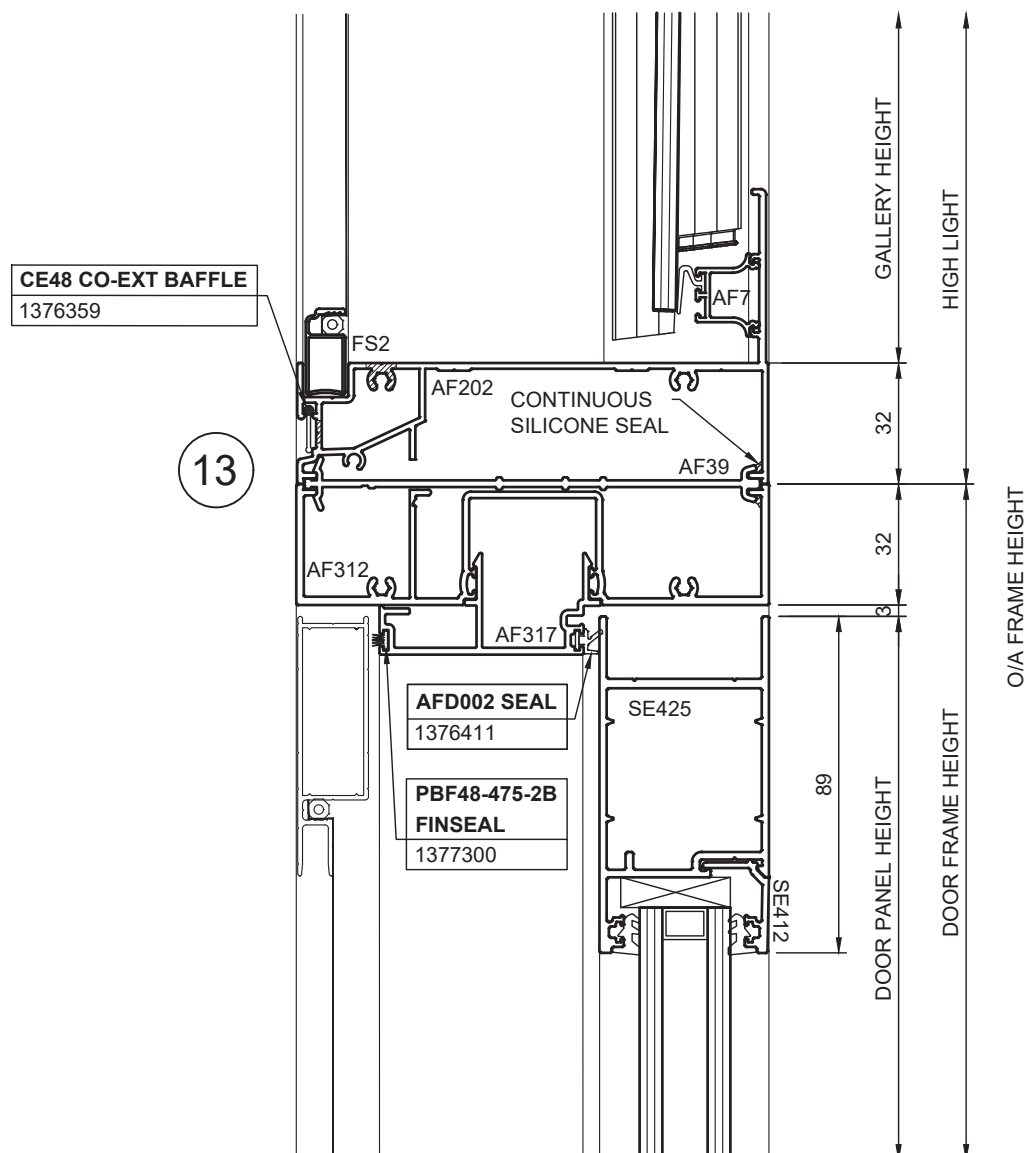
Double Glazed Fixed Side Lite / Door Detail - 40mm Air Flo Door



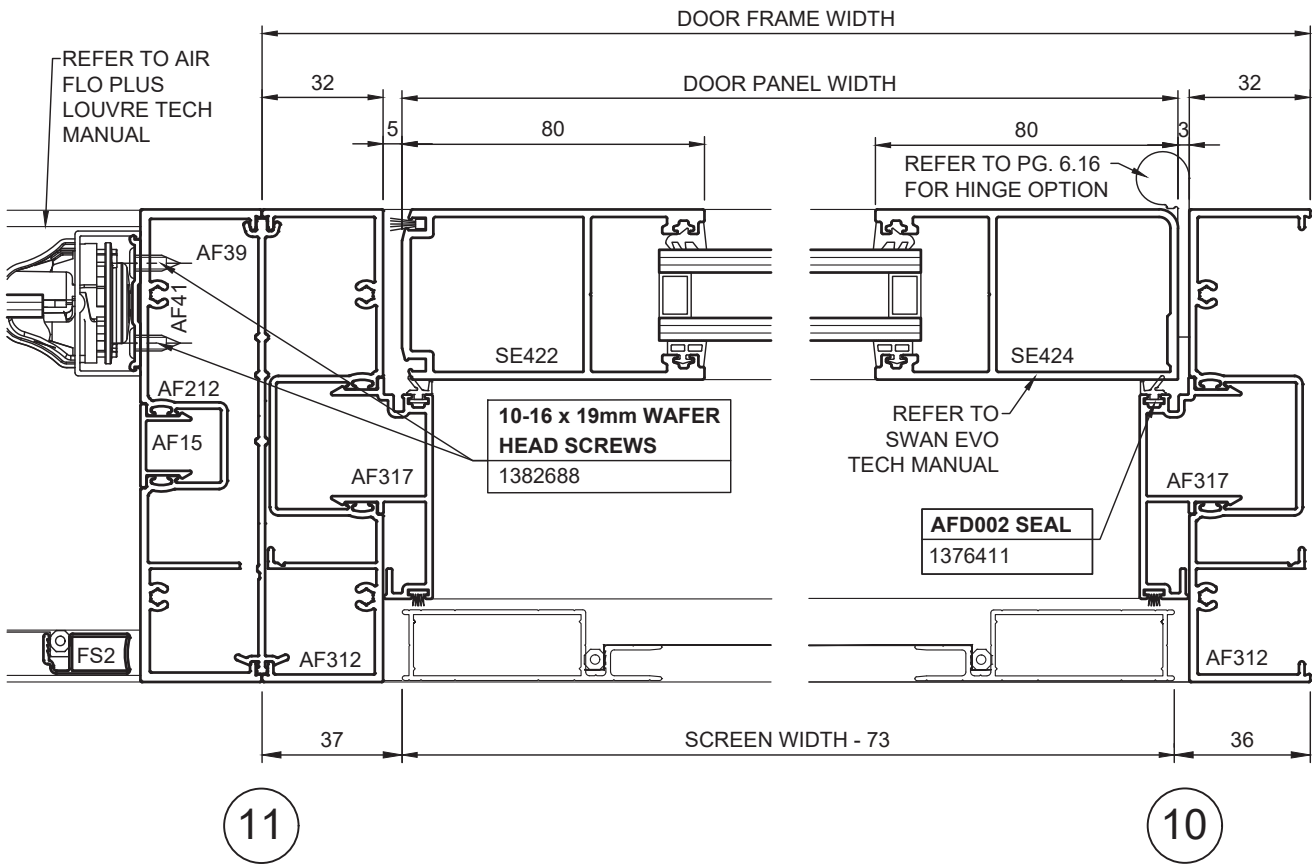
Double Glazed Door Details with Fixed Glazed High Lite - 45mm Swan Evo Door



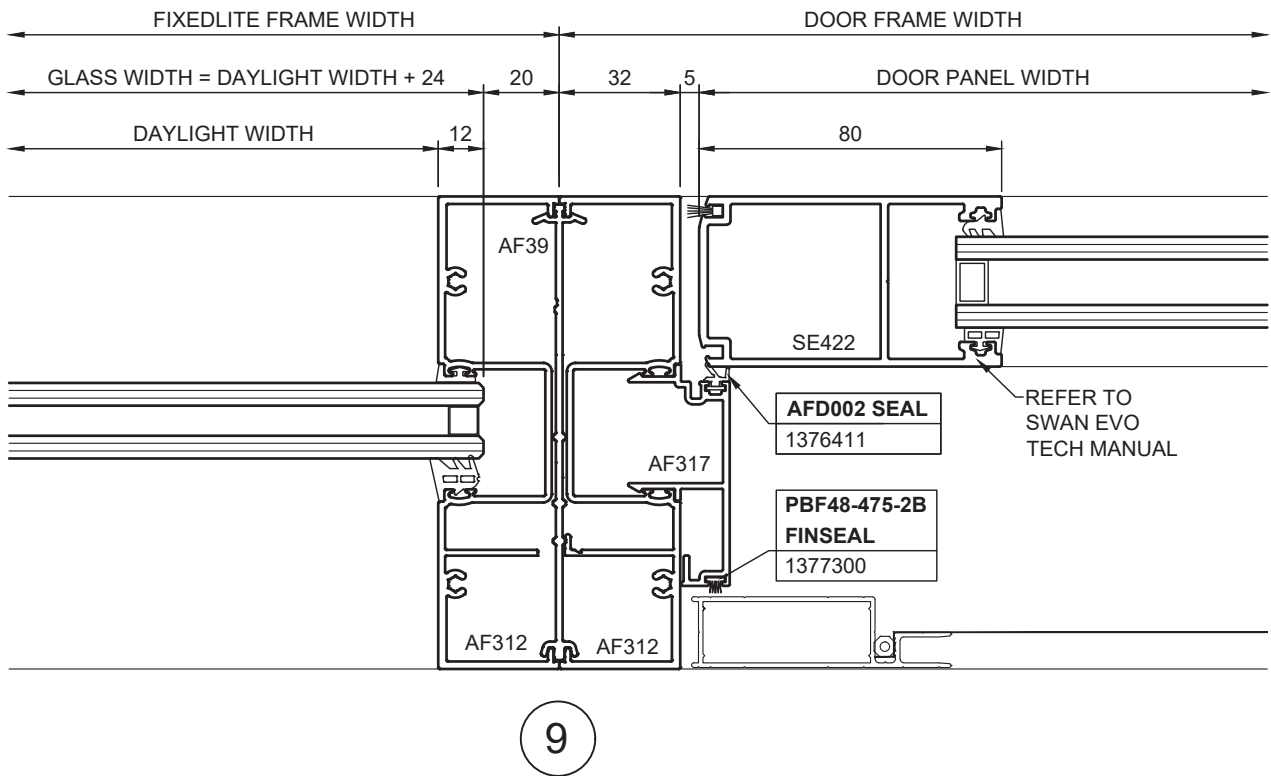
Double Glazed Door Details with Louvre High Lite - 45mm Swan Evo Door



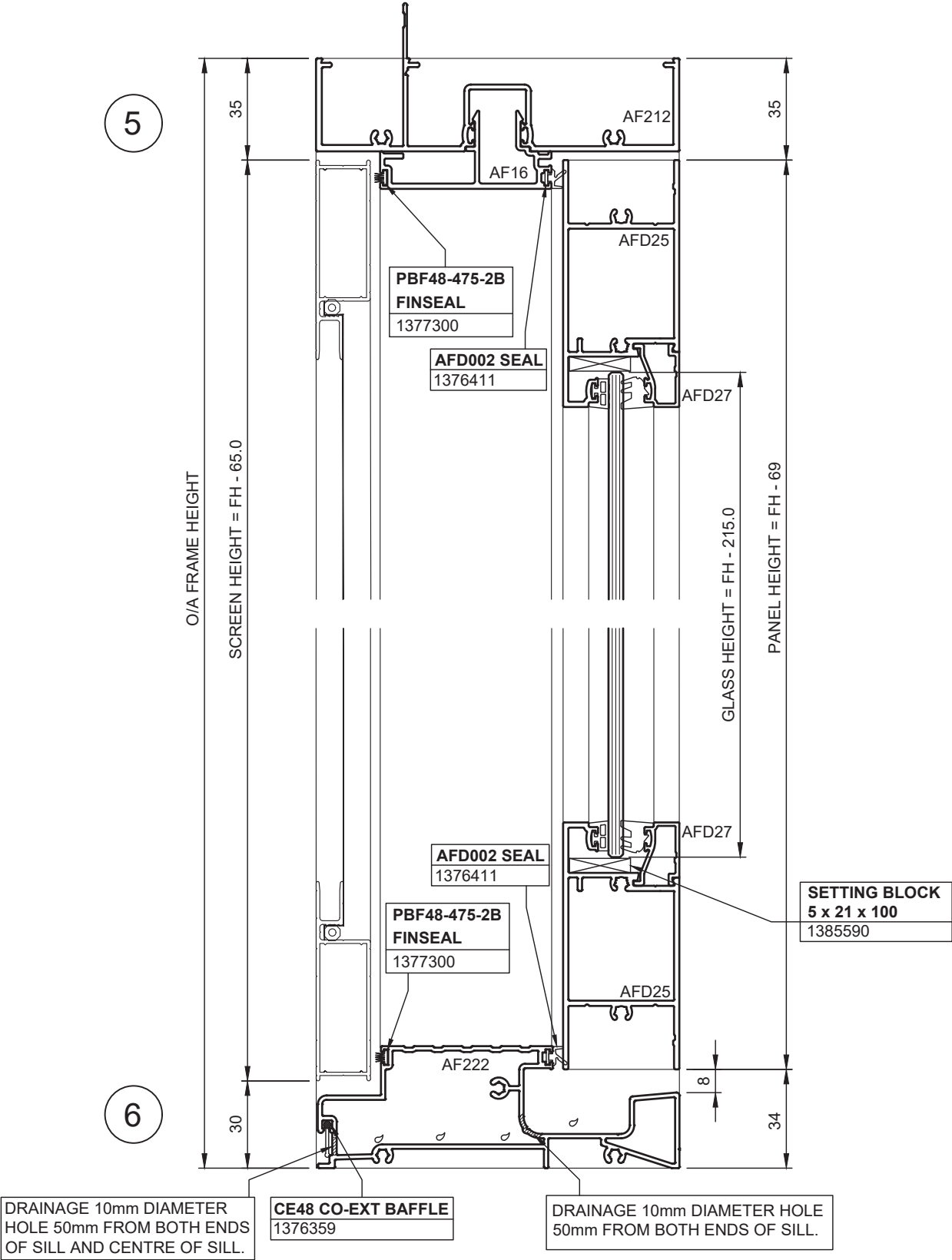
Double Glazed Typical Door Jamb and Mullion Details - 45mm Swan Evo Door



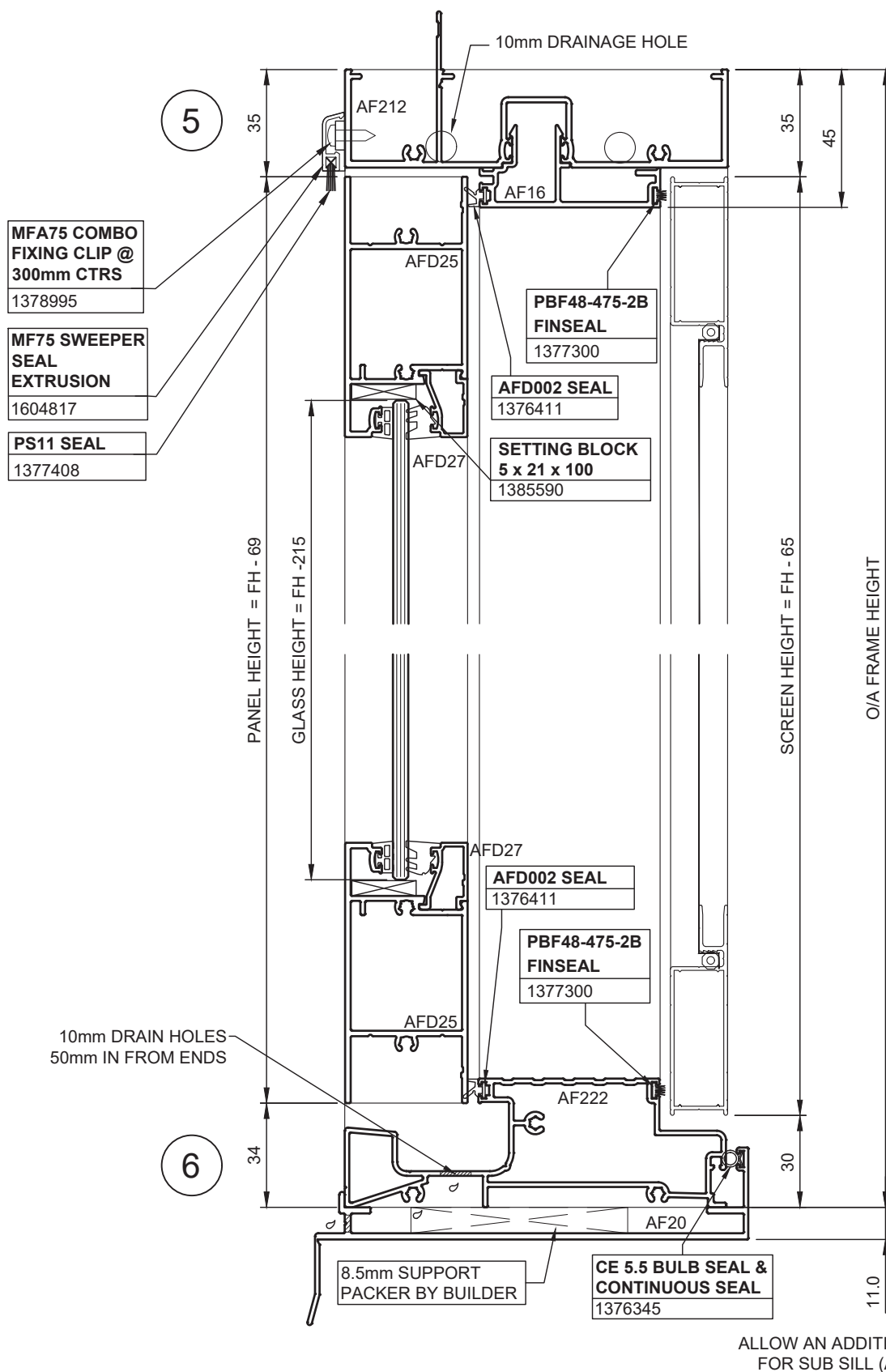
Double Glazed Fixed Side Lite / Door Detail - 45mm Swan Evo Door



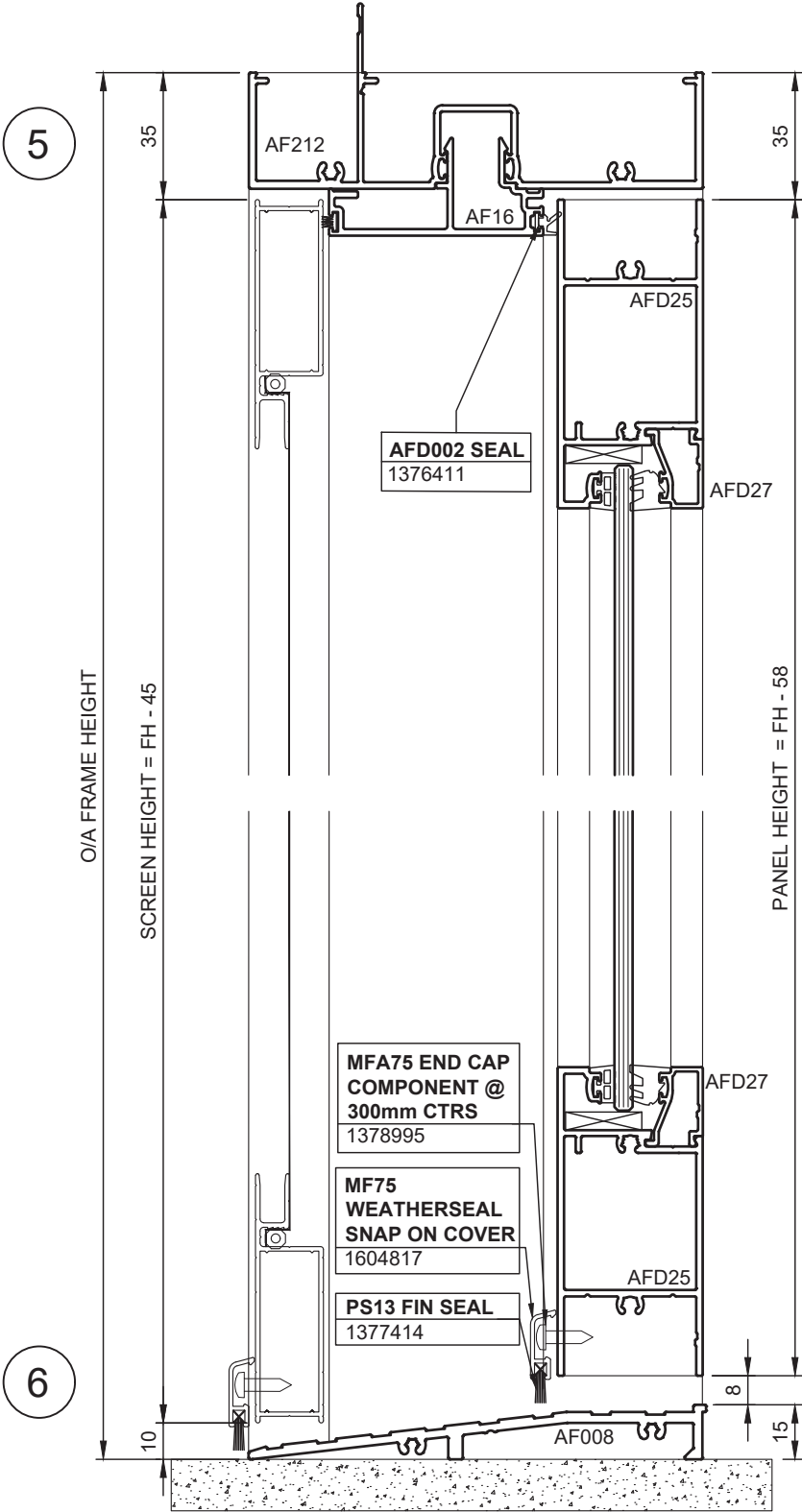
Vertical Detail - 125mm Hinge Door - Open In



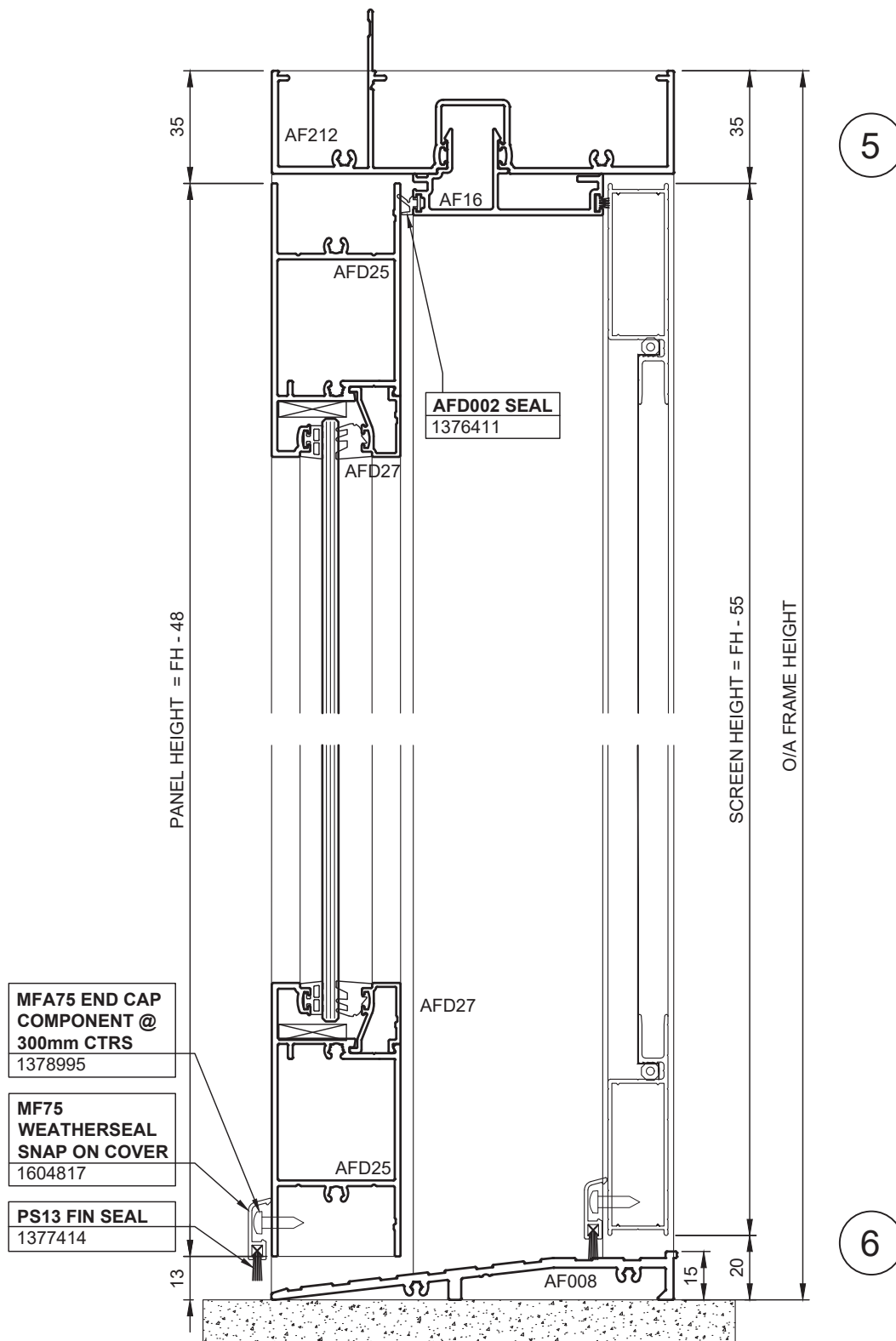
Vertical Detail - 125mm Hinge Door - Open Out



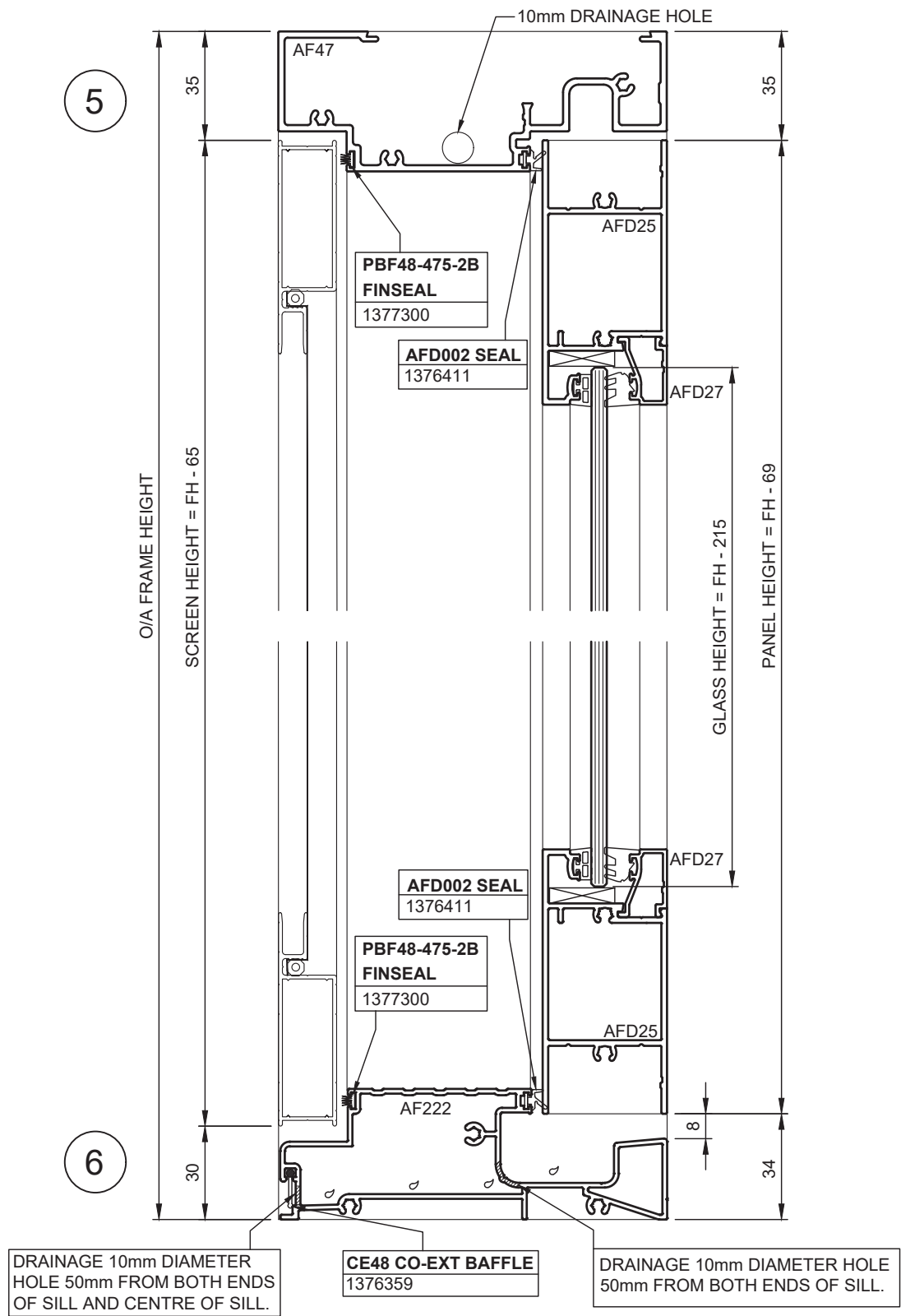
Vertical Detail - 125mm Hinge Door - Open In - AF008 Threshold (No Water Rating)



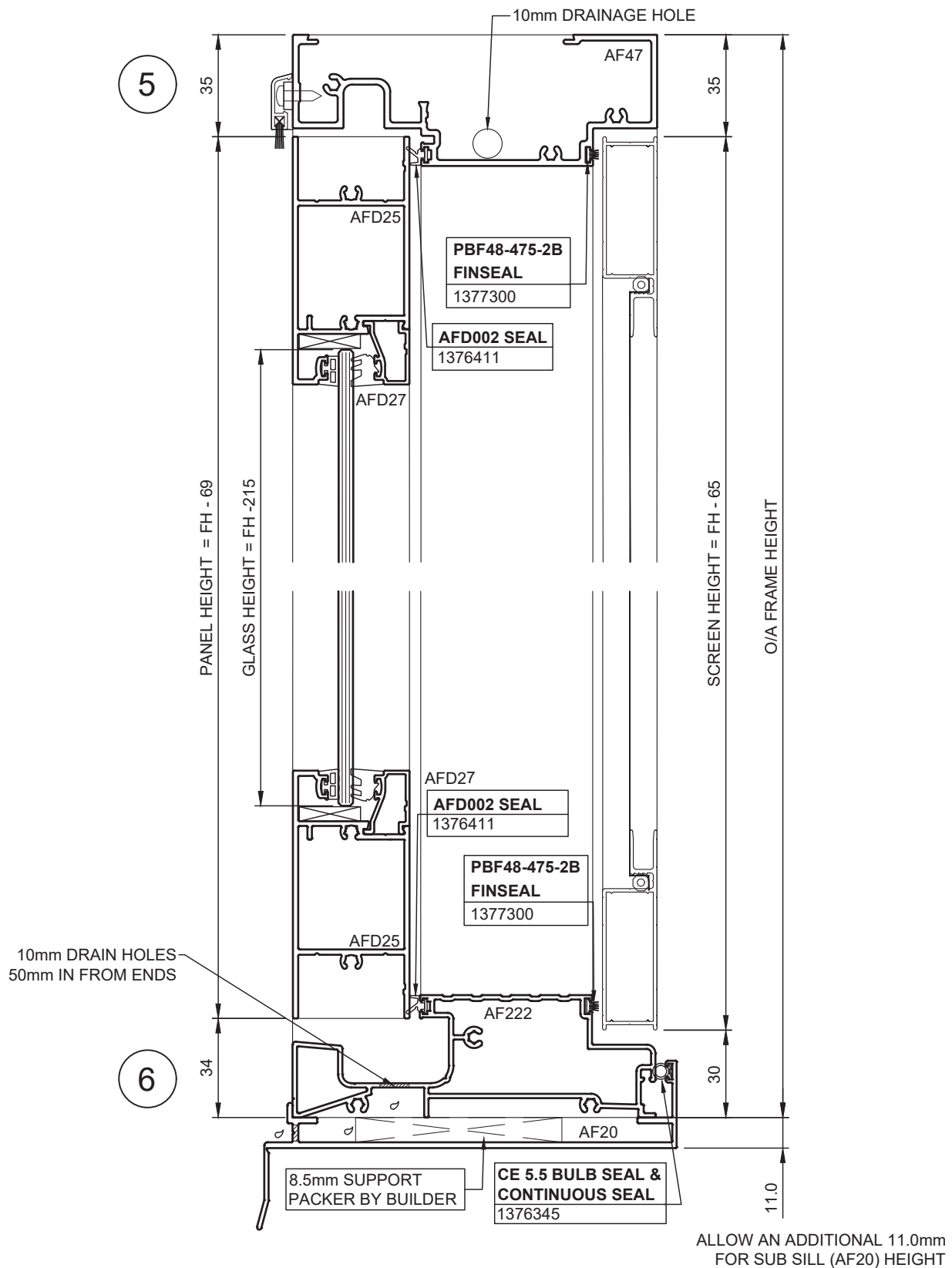
Vertical Detail - 125mm Hinge Door - Open Out - AF008 Threshold (No Water Rating)



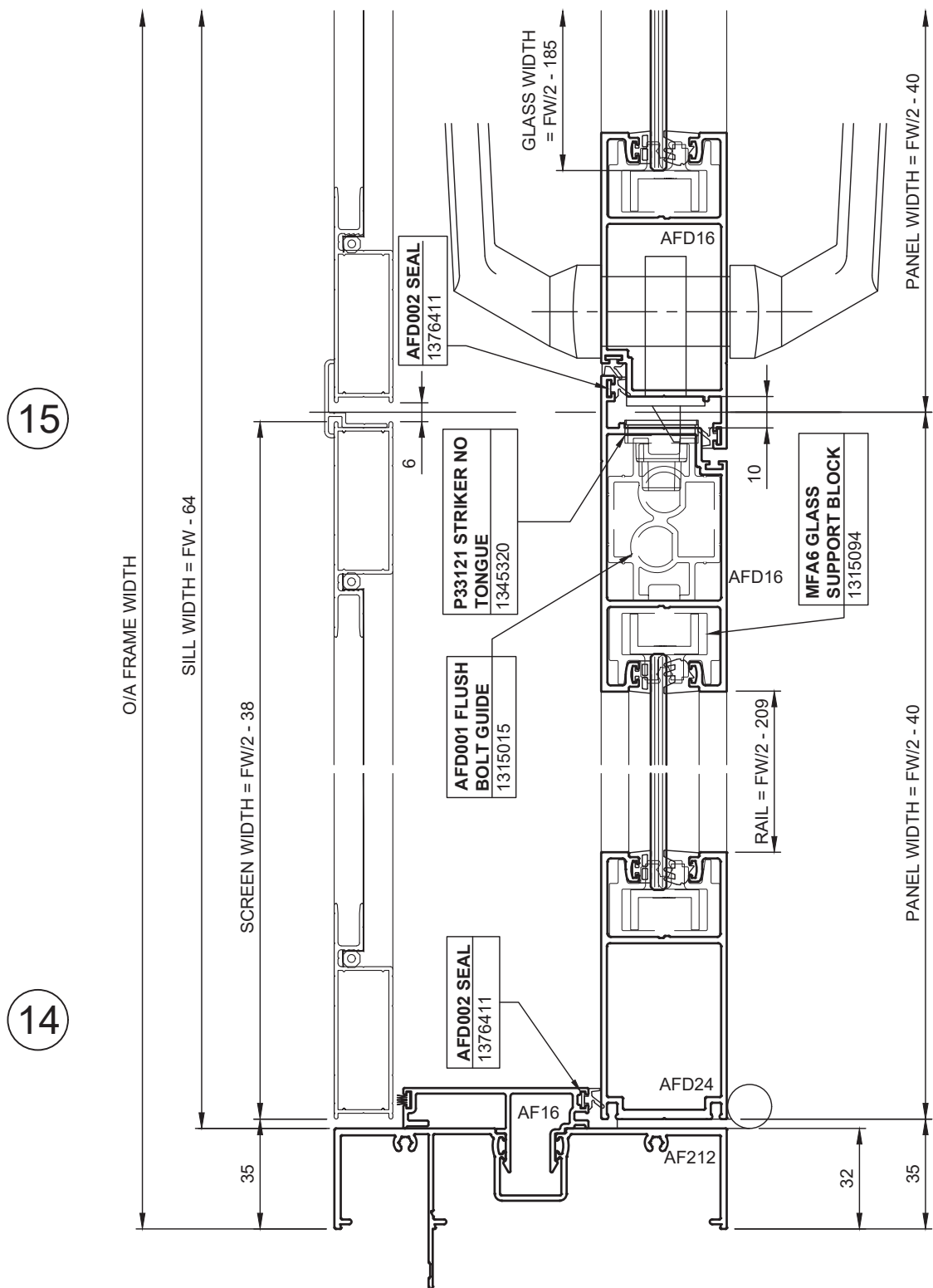
Vertical Detail Rebate Head - 125mm Hinge Door - Open In



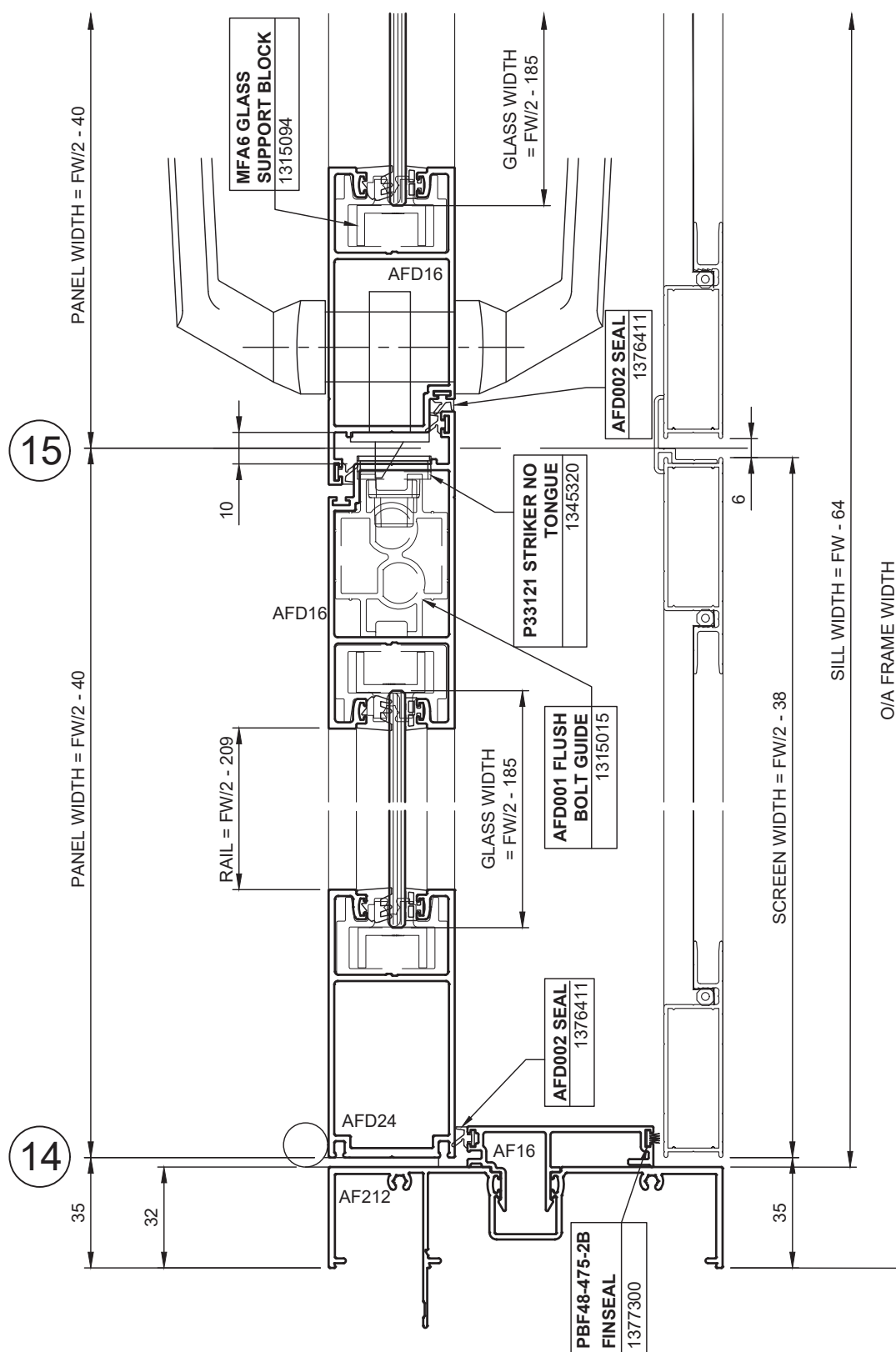
Vertical Detail Rebate Head - 125mm Hinge Door - Open Out



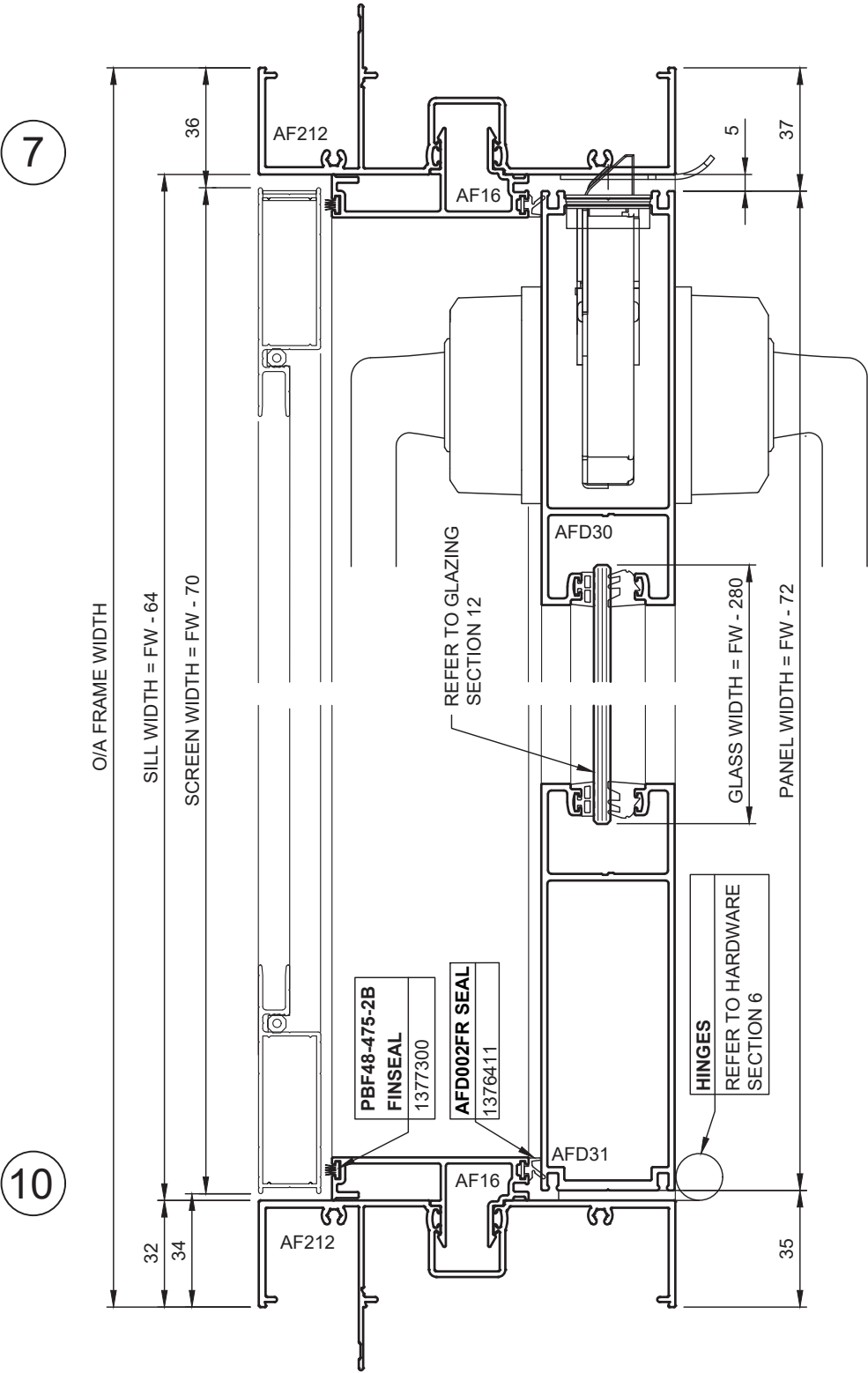
Horizontal Detail - 125mm Hinge Door - Open In



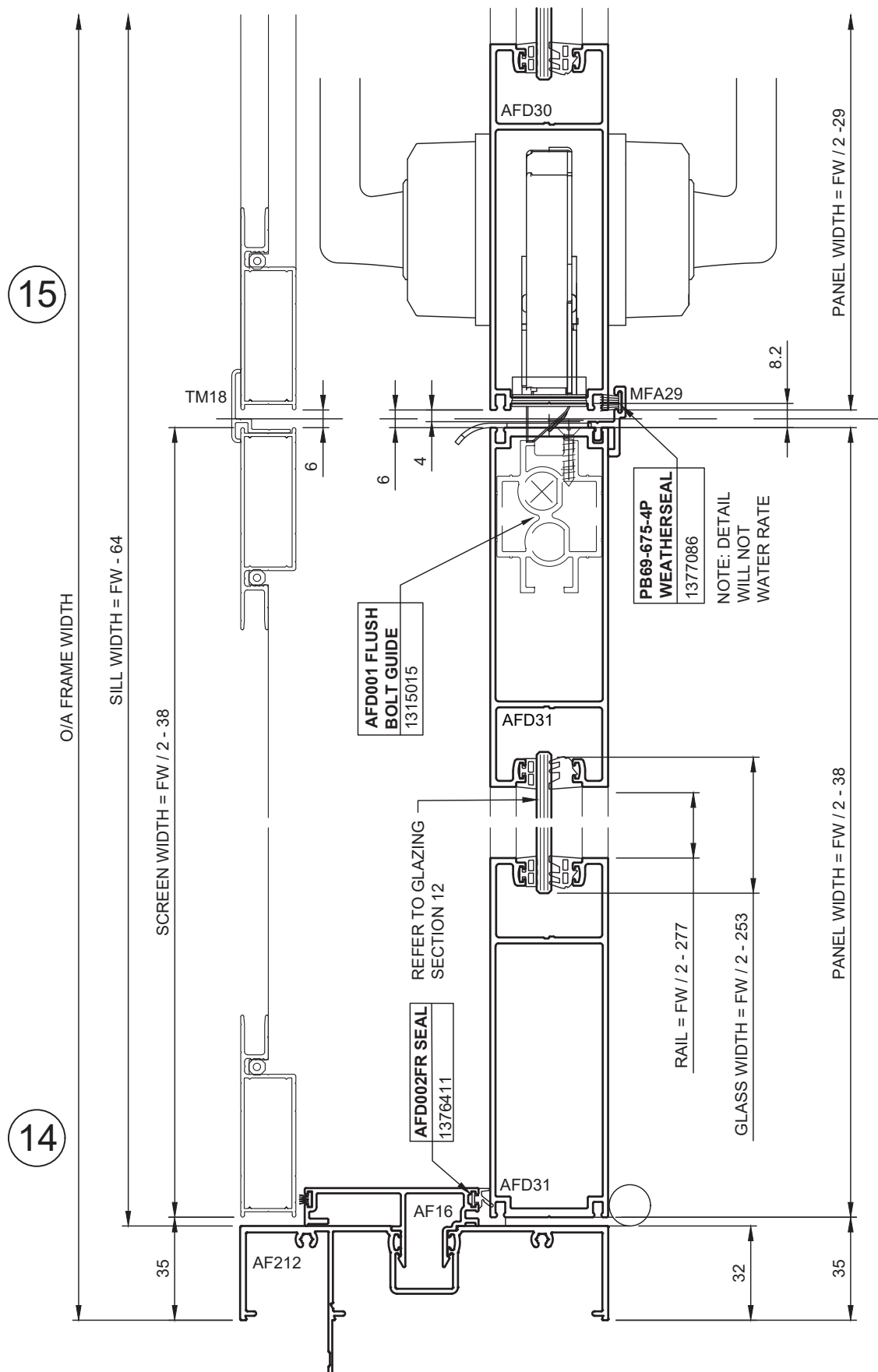
Horizontal Detail - 125mm Hinge Door - Open Out



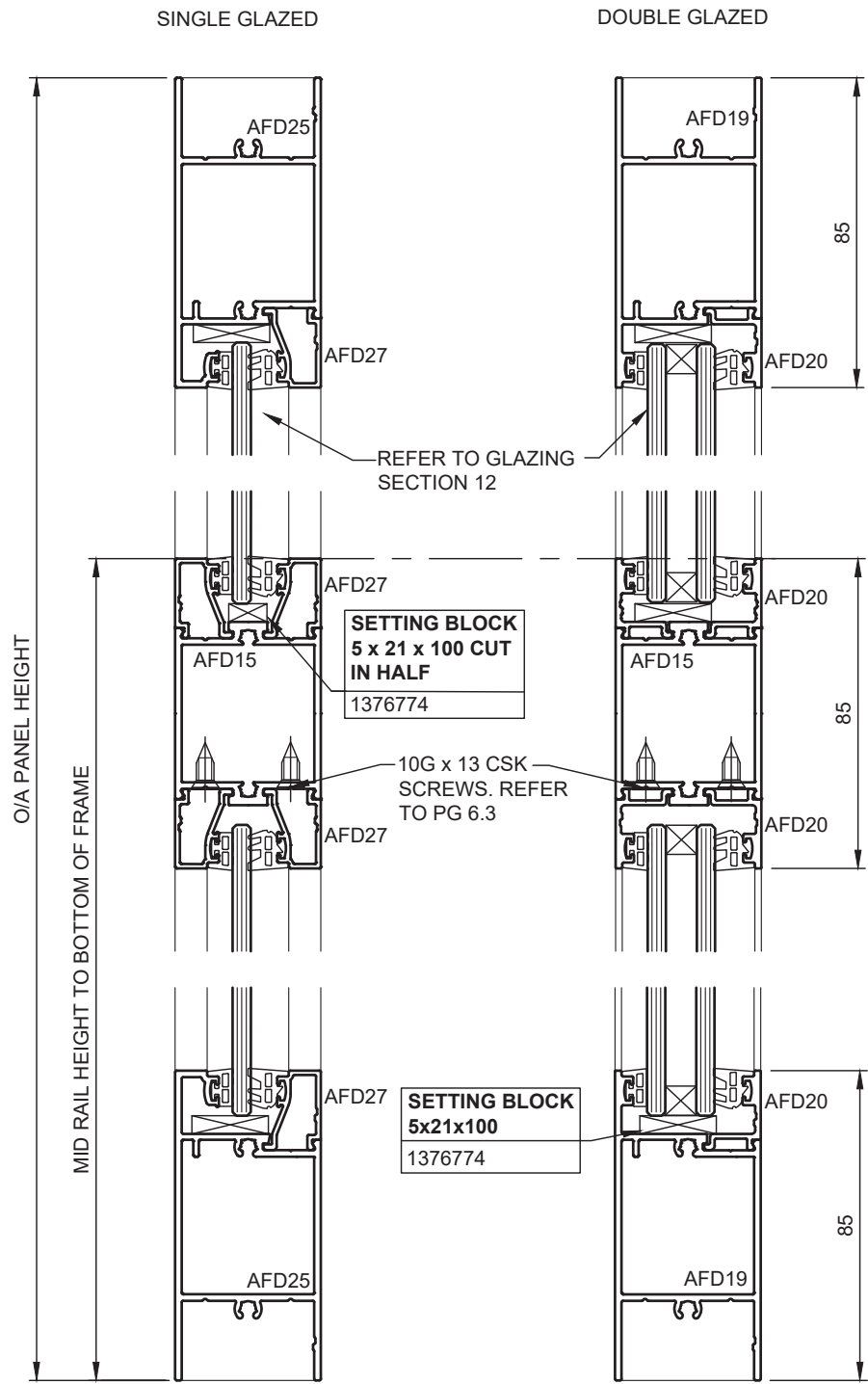
Horizontal Detail - 125mm Wide Stile Hinge Door - Open Out



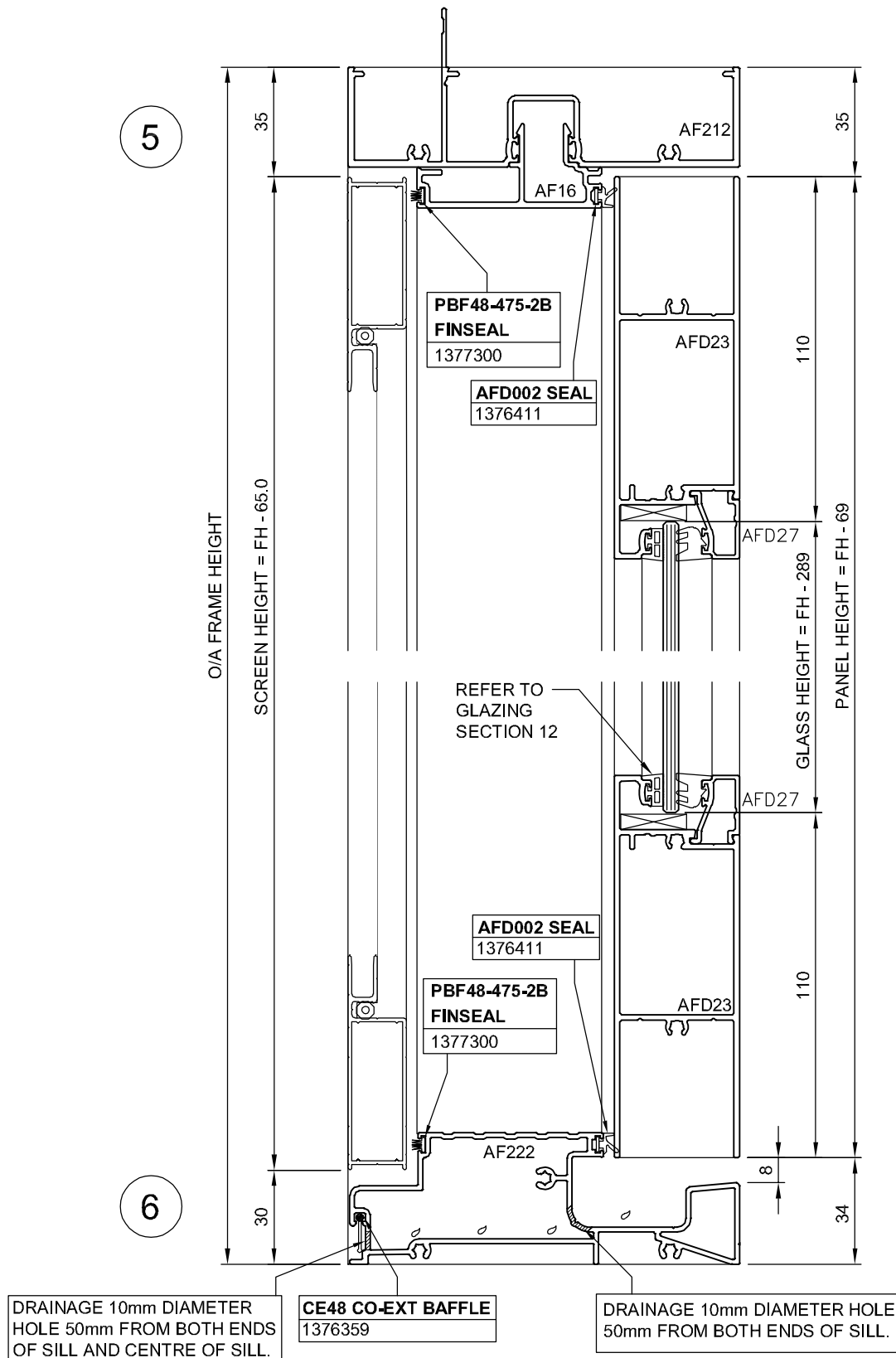
Horizontal Detail - 125mm Wide Stile Hinge Door - Open In



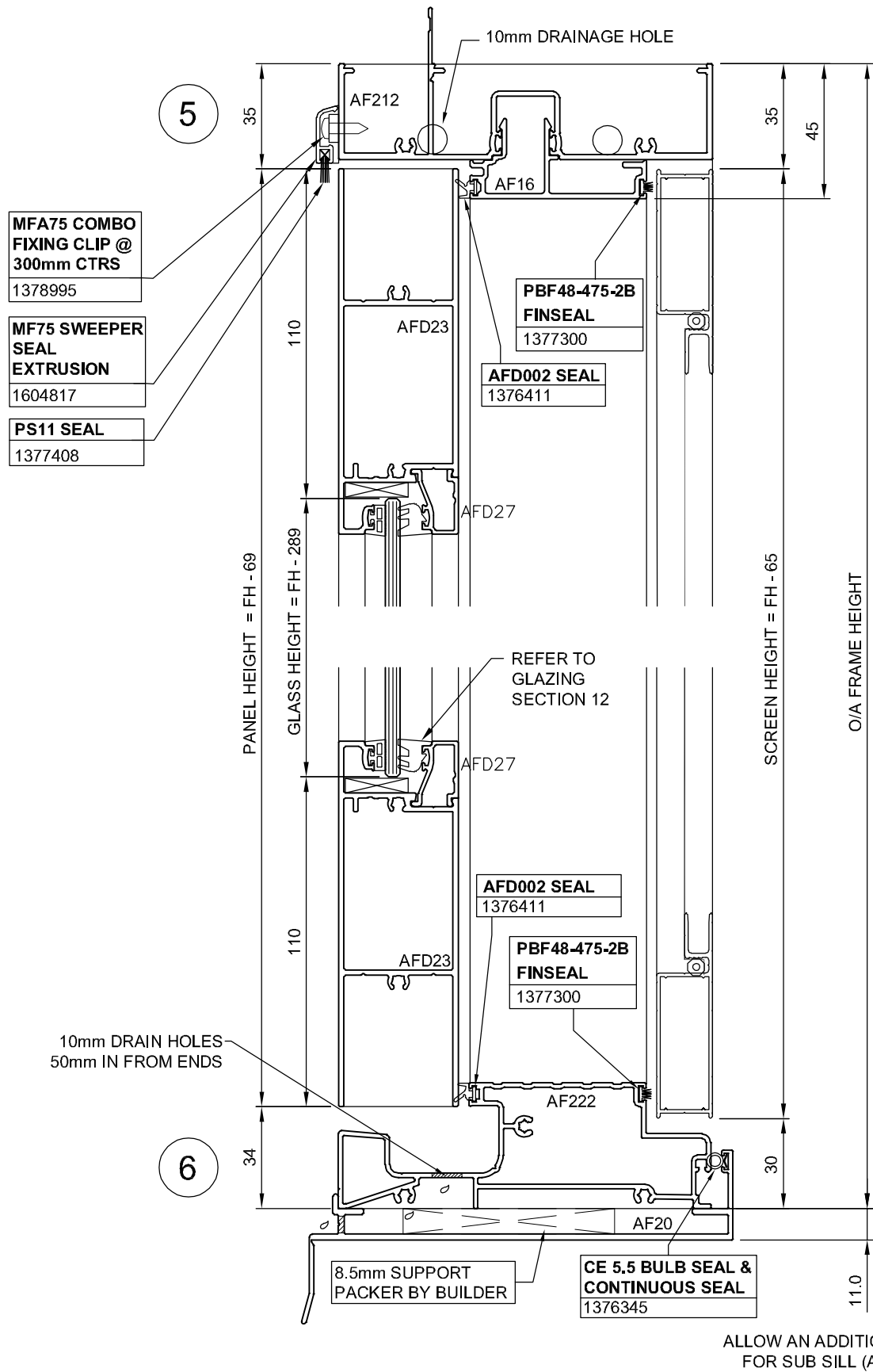
Vertical Detail - Midrail Options



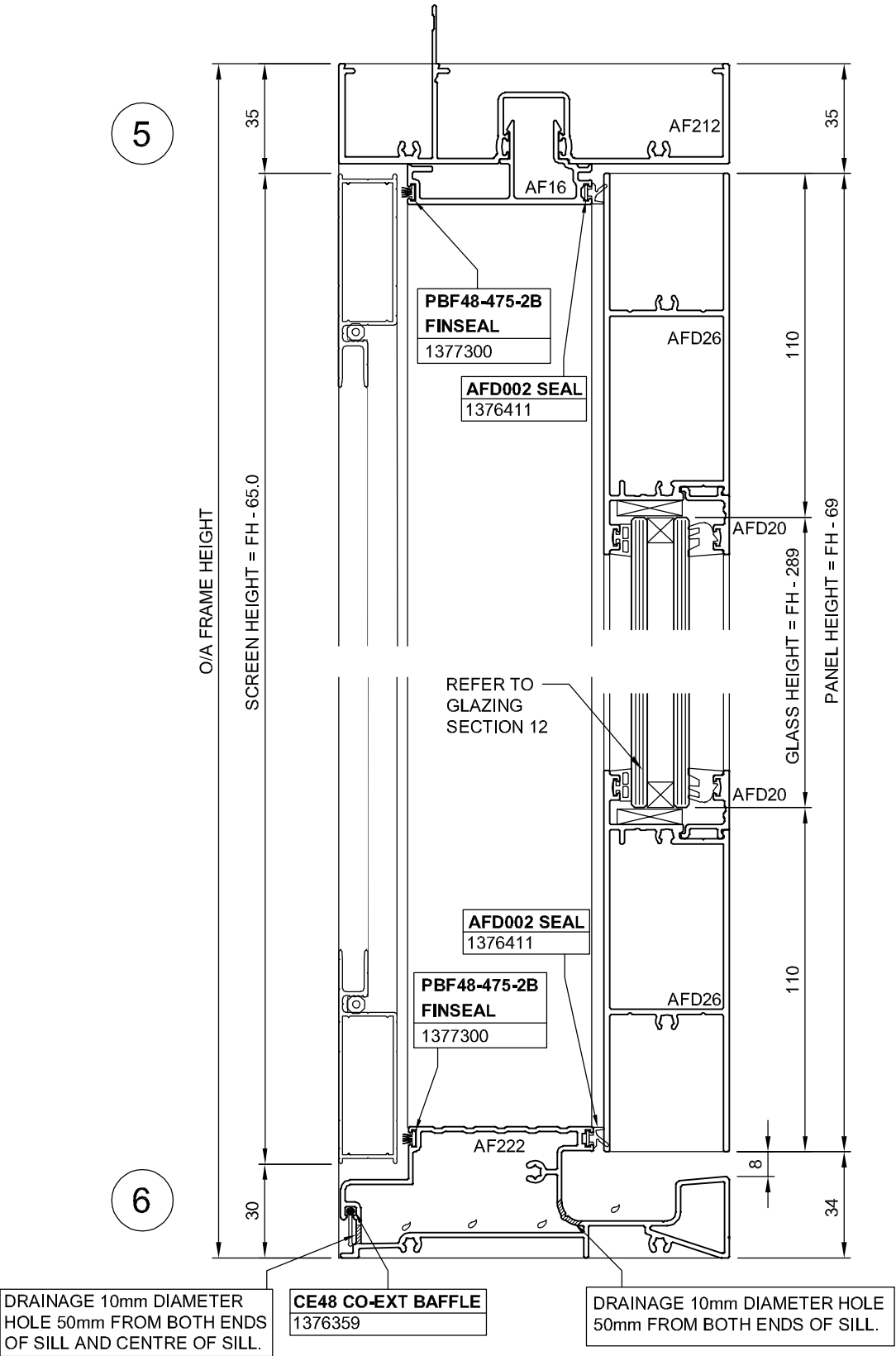
Vertical Detail - 125mm Hinge Door - Open In



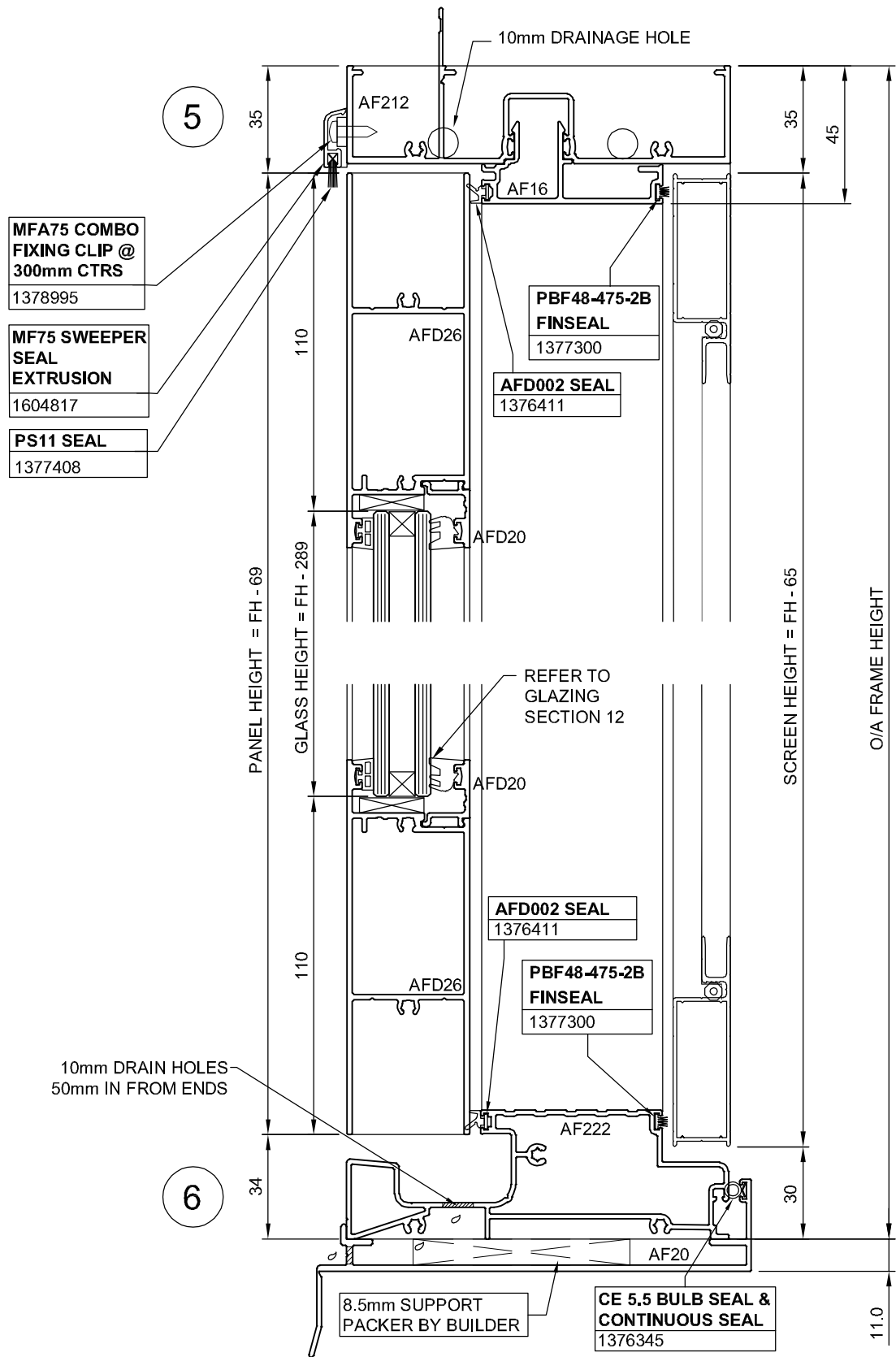
Vertical Detail - 125mm Hinge Door - Open Out



Vertical Detail - 125mm Hinge Door - Open In

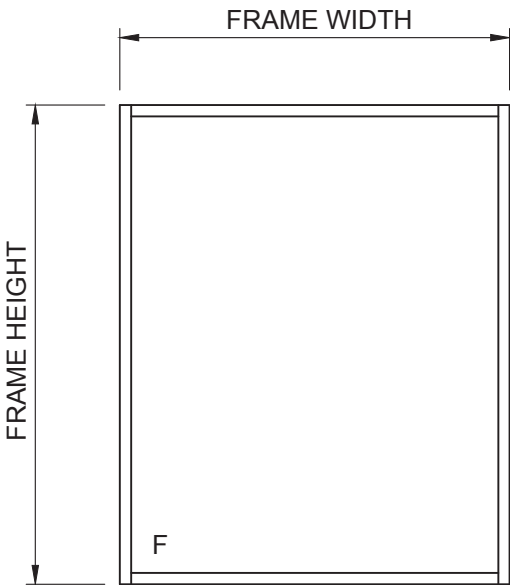


Vertical Detail - 125mm Hinge Door - Open Out



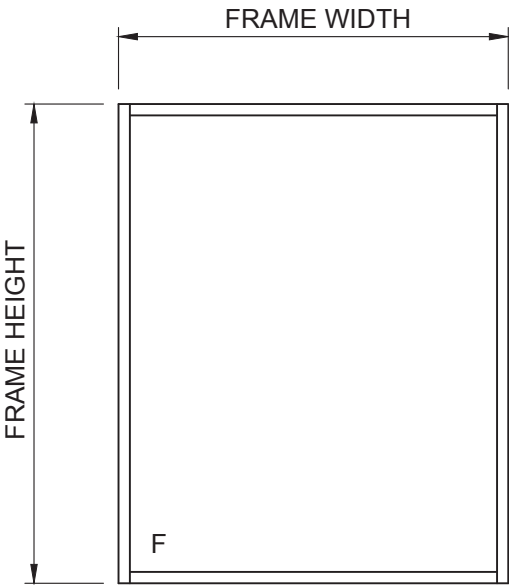
ALLOW AN ADDITIONAL 11.0mm
FOR SUB SILL (AF20) HEIGHT

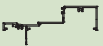
125mm Frame - Single Glazed Fixed Panel



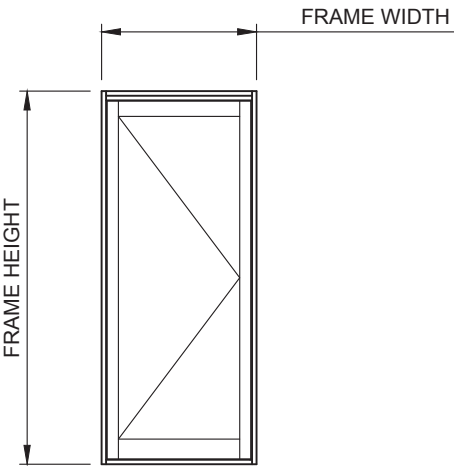
PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AF212	Jamb	Frame Height	2
	AF212	Head	Frame Width - 64mm	1
	AF214	Sill	Frame Width - 64mm	1
	AF215	Sill Glazing Bead	Frame Width - 64mm	1
GLASS	HEIGHT		Frame Height - 48mm	1
	WIDTH		Frame Width - 48mm	

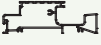
125mm Frame - Double Glazed Fixed Panel



PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AF312	DG Jamb	Frame Height	2
	AF314	DG Sill	Frame Width - 64mm	2
	AF315	DG Sill Glazing Bead	Frame Width - 64mm	2
GLASS	HEIGHT		Frame Height - 40mm	1
	WIDTH		Frame Width - 40mm	

Single Hinge Door Open In/Out

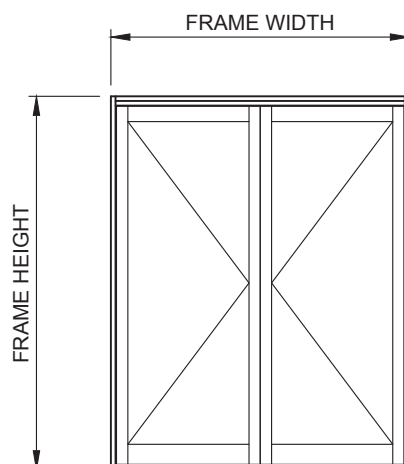


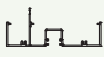
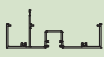
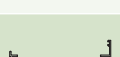
PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AF212	Jamb	Frame Height	2
	AF212	Head	Frame Width - 64mm	1
	AF16	40mm Clip In Door Adaptor	Frame Height - 87mm	2
	AF16	40mm Clip In Door Adaptor	Frame Width - 64mm	1
	AF222	Sill	Frame Width - 64mm	1
	AFD25	Square Rail	Frame Width - 243mm	2
	AFD27	Square Rail Bead	Frame Width - 243mm	2
	AFD24	40mm Hinge Stile	Frame Height - 69mm	1
	AFD22	40mm Lock Stile	Frame Height - 69mm	1
	*AF20	125mm Subsill	Frame Width	1
	Varies	Screen Height	Frame Height - 65mm	1
	Varies	Screen Width	Frame Width - 73mm	1
GLASS	HEIGHT		Frame Height - 215mm	1
	WIDTH		Frame Width - 219mm	

*Note: For open out configurations only add 11mm to frame height for sub sill (AF20) use.

9. Cutting Formulas

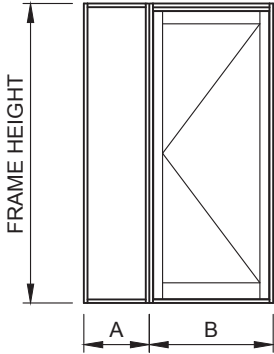
Pair Hinge Door Open In/Out

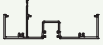
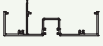
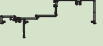


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AF212	Jamb	Frame Height	2
	AF212	Head	Frame Width - 64mm	1
	AF16	40mm Clip In Door Adaptor	Frame Height - 87mm	2
	AF16	40mm Clip In Door Adaptor	Frame Width - 64mm	1
	AF222	Sill	Frame Width - 64mm	1
	AFD25	Square Rail	Frame Width / 2 - 209mm	4
	AFD27	Square Rail Bead	Frame Width / 2 - 209mm	4
	AFD24	40mm Hinge Stile	Frame Height - 69mm	2
	AFD16	40mm Meeting Stile	Frame Height - 69mm	2
	*AF20	125mm Subsill	Frame Width	1
	Varies	Screen Height	Frame Height - 65mm	2
	Varies	Screen Width	Frame Width / 2 - 38mm	2
GLASS	HEIGHT		Frame Height - 215mm	2
	WIDTH		Frame Width / 2 - 185mm	

*Note: For open out configurations only add 11mm to frame height for sub sill (AF20) use.

Single Hinge Door Single Sidelite Open In/Out

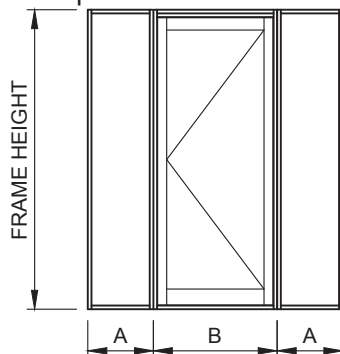


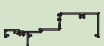
PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AF212	Jamb	Frame Height	4
	AF212	Head	Frame Width B - 64mm	1
	AF212	Head	Frame Width A - 64mm	1
	AF215	Glazing Sill	Frame Width A - 64mm	1
	AF214	Sill Bead	Frame Width A - 64mm	1
	AF14	Coupling Bar	Frame Height	1
	AF16	40mm Clip In Door Adaptor	Frame Height - 87mm	2
	AF16	40mm Clip In Door Adaptor	Frame Width B - 64mm	1
	AF222	Sill	Frame Width B - 64mm	1
	AFD25	Square Rail	Frame Width B - 243mm	2
	AFD27	Square Rail Bead	Frame Width B - 243mm	2
	AFD24	40mm Hinge Stile	Frame Height - 69mm	1
	AFD22	40mm Lock Stile	Frame Height - 69mm	1
	Varies	Screen Height	Frame Height - 65mm	1
	Varies	Screen Width	Frame Width B - 73mm	1
GLASS B	DOOR HEIGHT		Frame Height - 215mm	1
	DOOR WIDTH		Frame Width B - 219mm	
GLASS A	FIXED HEIGHT		Frame Height - 41	1
	FIXED WIDTH		Frame Width A - 48	

*Note: For open out configurations only add 11mm to frame height for sub sill (AF20) use.

9. Cutting Formulas

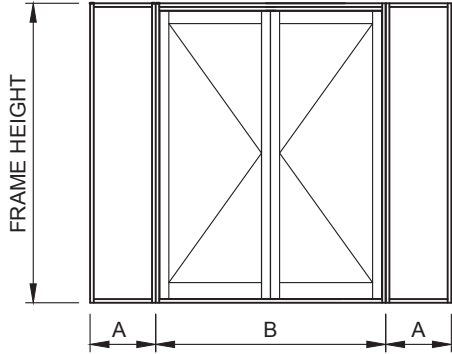
Single Hinge Door Double Sidelite Open In/Out



PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AF212	Jamb	Frame Height	6
	AF212	Head	Frame Width B - 64mm	1
	AF212	Head	Frame Width A - 64mm	2
	AF215	Glazing Sill	Frame Width A - 64mm	2
	AF214	Sill Bead	Frame Width A - 64mm	2
	AF14	Coupling Bar	Frame Height	2
	AF16	40mm Clip In Door Adaptor	Frame Height - 87mm	2
	AF16	40mm Clip In Door Adaptor	Frame Width B - 64mm	1
	AF222	Sill	Frame Width B - 64mm	1
	AFD25	Square Rail	Frame Width B - 243mm	2
	AFD27	Square Rail Bead	Frame Width B - 243mm	2
	AFD24	40mm Hinge Stile	Frame Height - 69mm	1
	AFD22	40mm Lock Stile	Frame Height - 69mm	1
	Varies	Screen Height	Frame Height - 65mm	1
	Varies	Screen Width	Frame Width B - 73mm	1
GLASS B	DOOR HEIGHT		Frame Height - 215mm	1
	DOOR WIDTH		Frame Width B - 219mm	
GLASS A	FIXED HEIGHT		Frame Height - 41	2
	FIXED WIDTH		Frame Width A - 48	

*Note: For open out configurations only add 11mm to frame height for sub sill (AF20) use.

Double Hinge Door Double Sidelite Open In/Out

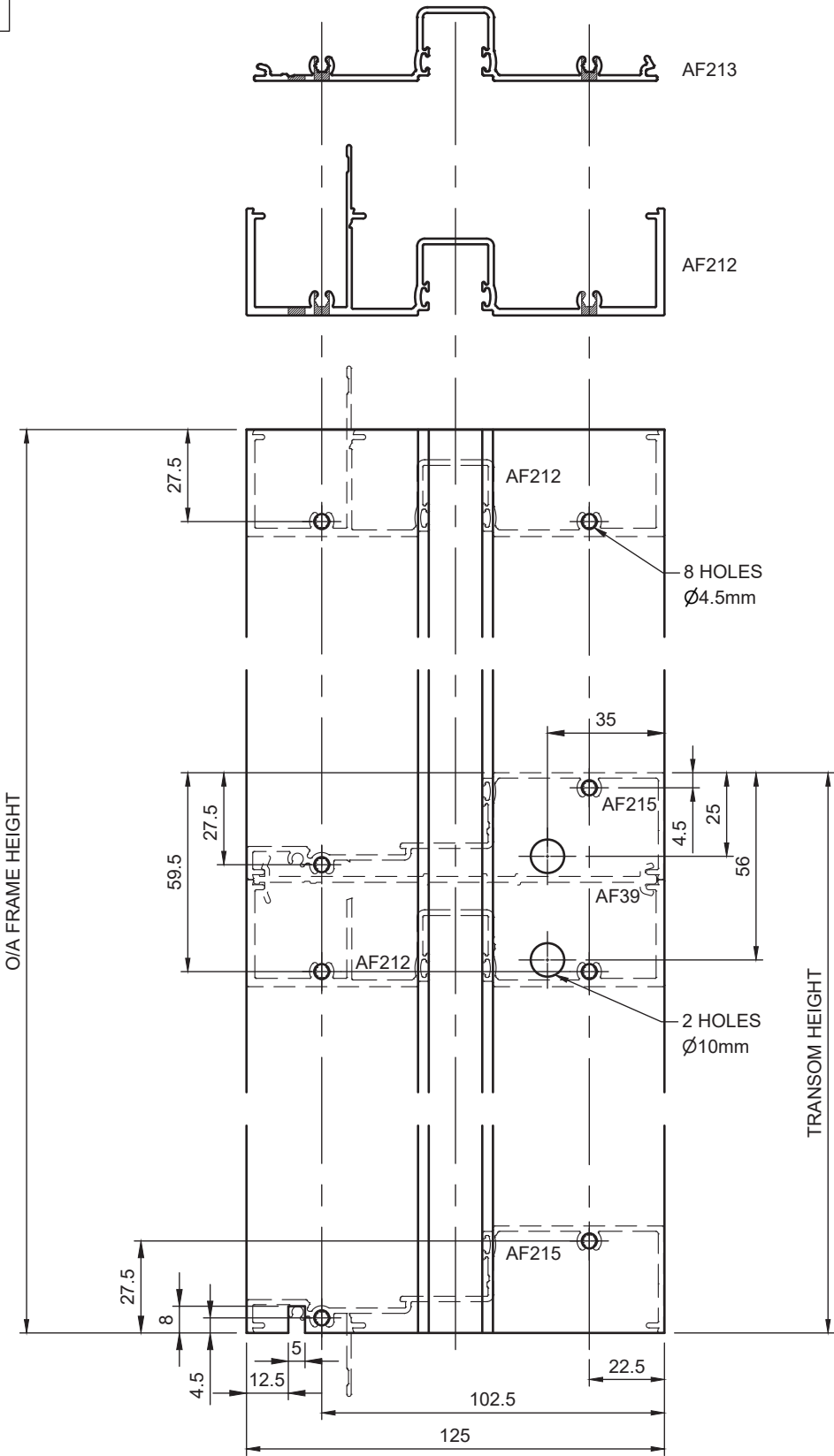


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AF212	Jamb	Frame Height	6
	AF212	Head	Frame Width B - 64mm	1
	AF212	Head	Frame Width A - 64mm	2
	AF215	Glazing Sill	Frame Width A - 64mm	2
	AF214	Sill Bead	Frame Width A - 64mm	2
	AF14	Coupling Bar	Frame Height	2
	AF16	40mm Clip In Door Adaptor	Frame Height - 87mm	2
	AF16	40mm Clip In Door Adaptor	Frame Width B - 64mm	1
	AF222	Sill	Frame Width B - 64mm	1
	AFD25	Square Rail	Frame Width B / 2 - 209mm	4
	AFD27	Square Rail Bead	Frame Width B / 2 - 209mm	4
	AFD24	40mm Hinge Stile	Frame Height - 69mm	2
	AFD16	40mm Meeting Stile	Frame Height - 69mm	2
	Varies	Screen Height	Frame Height - 65mm	2
	Varies	Screen Width	Frame Width B / 2 - 38mm	2
GLASS B	DOOR HEIGHT		Frame Height - 215mm	2
	DOOR WIDTH		Frame Width B / 2 - 185mm	
GLASS A	FIXED HEIGHT		Frame Height - 41	2
	FIXED WIDTH		Frame Width A - 48	

*Note: For open out configurations only add 11mm to frame height for sub sill (AF20) use.

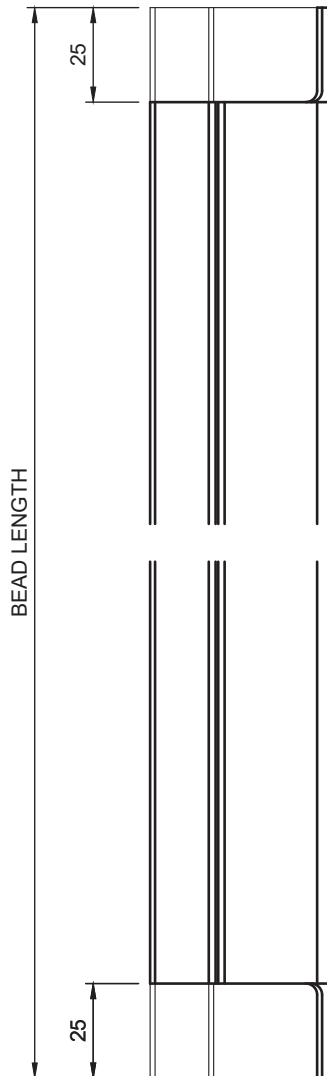
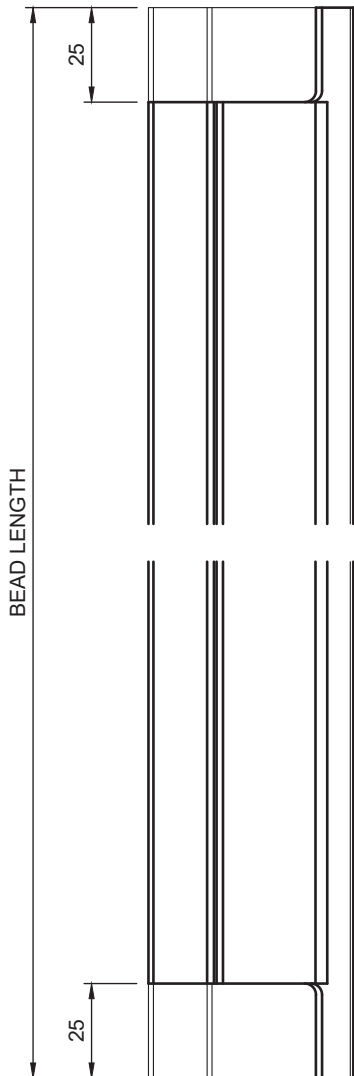
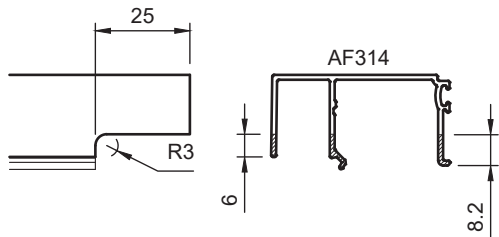
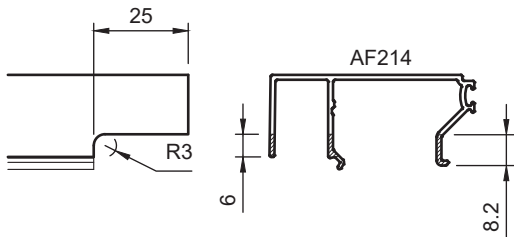
Jamb Preparation - Single Glazed Frame Head, Transom and Sill

LH DRAWN
RH OPPOSITE



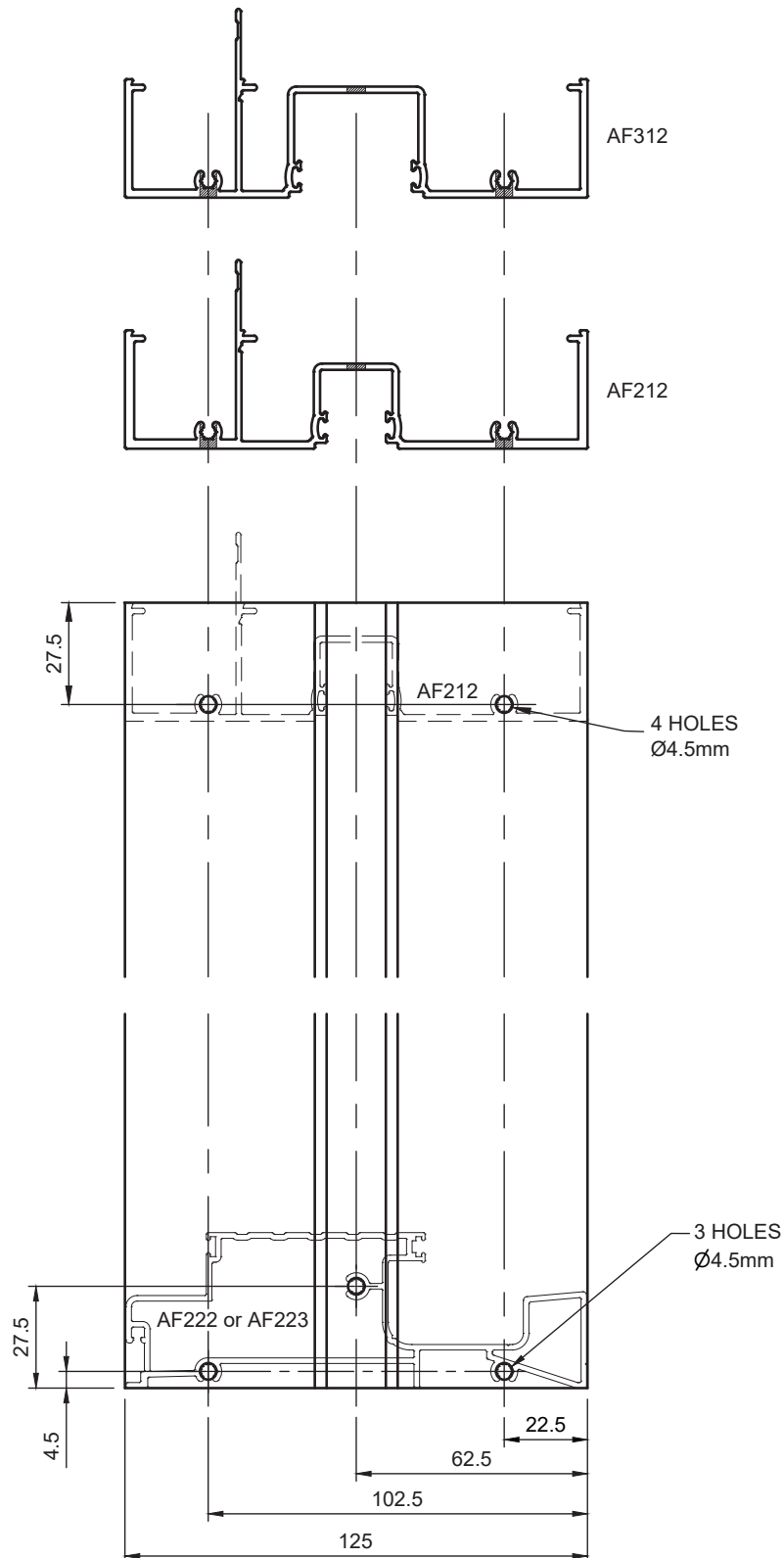
AF214 and AF314 Transom Bead Drainage

LH DRAWN
RH OPPOSITE



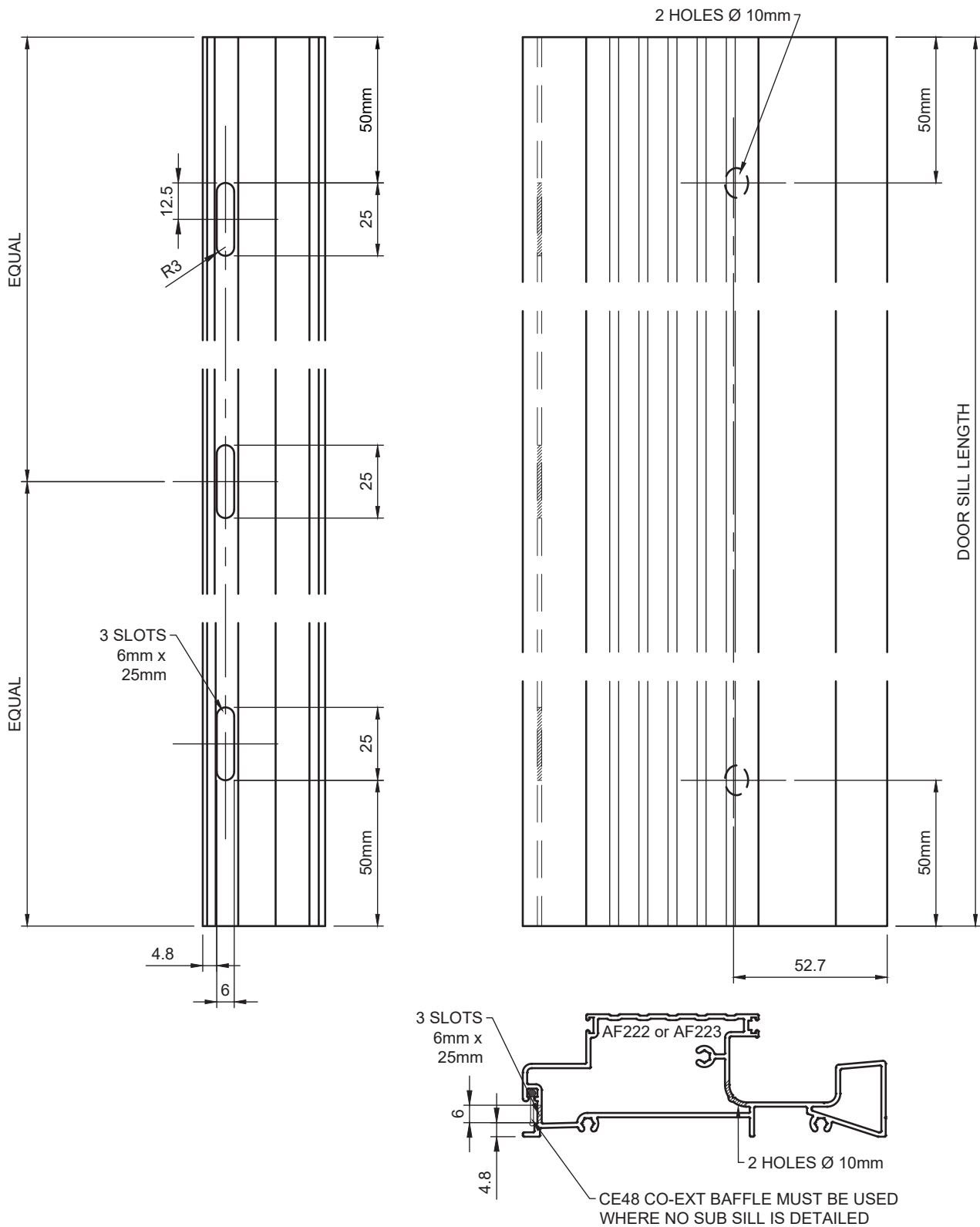
Jamb Preparation - AF212 Head / AF222 and AF223 Door Sill

LH DRAWN
RH OPPOSITE



Door Sill Drainage No Sub Sill - AF222 and AF223

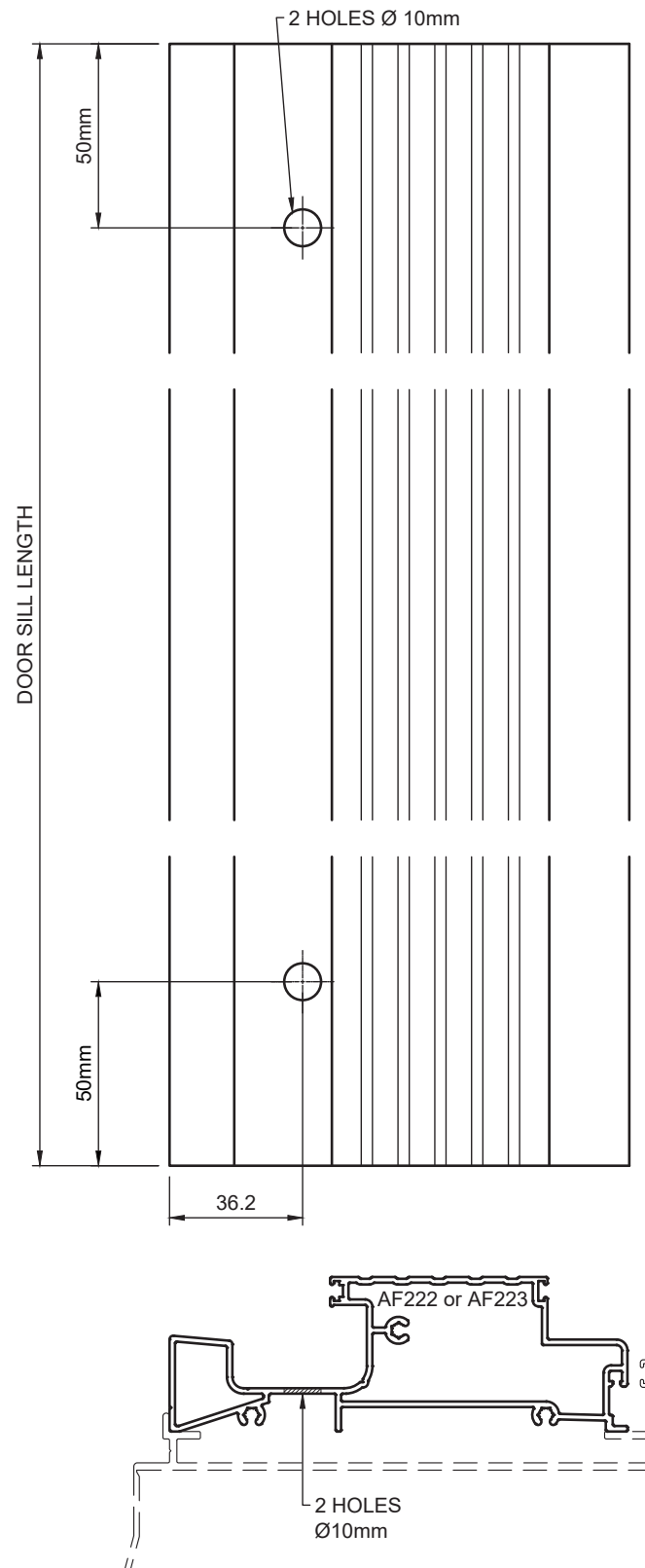
LH DRAWN
RH OPPOSITE



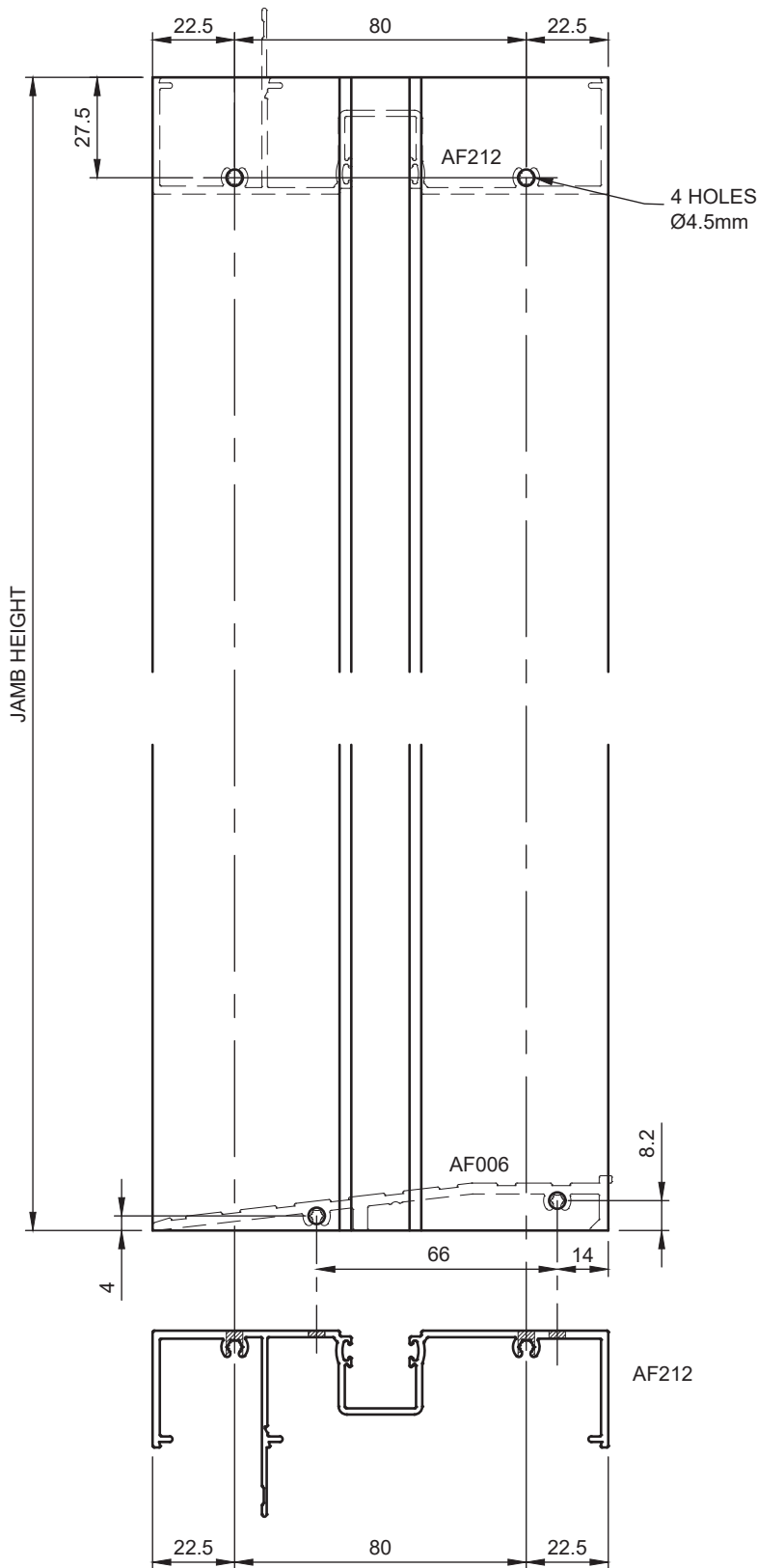
10. Manufacturing Details

Door Sill Drainage with Sub Sill - AF222 and AF223

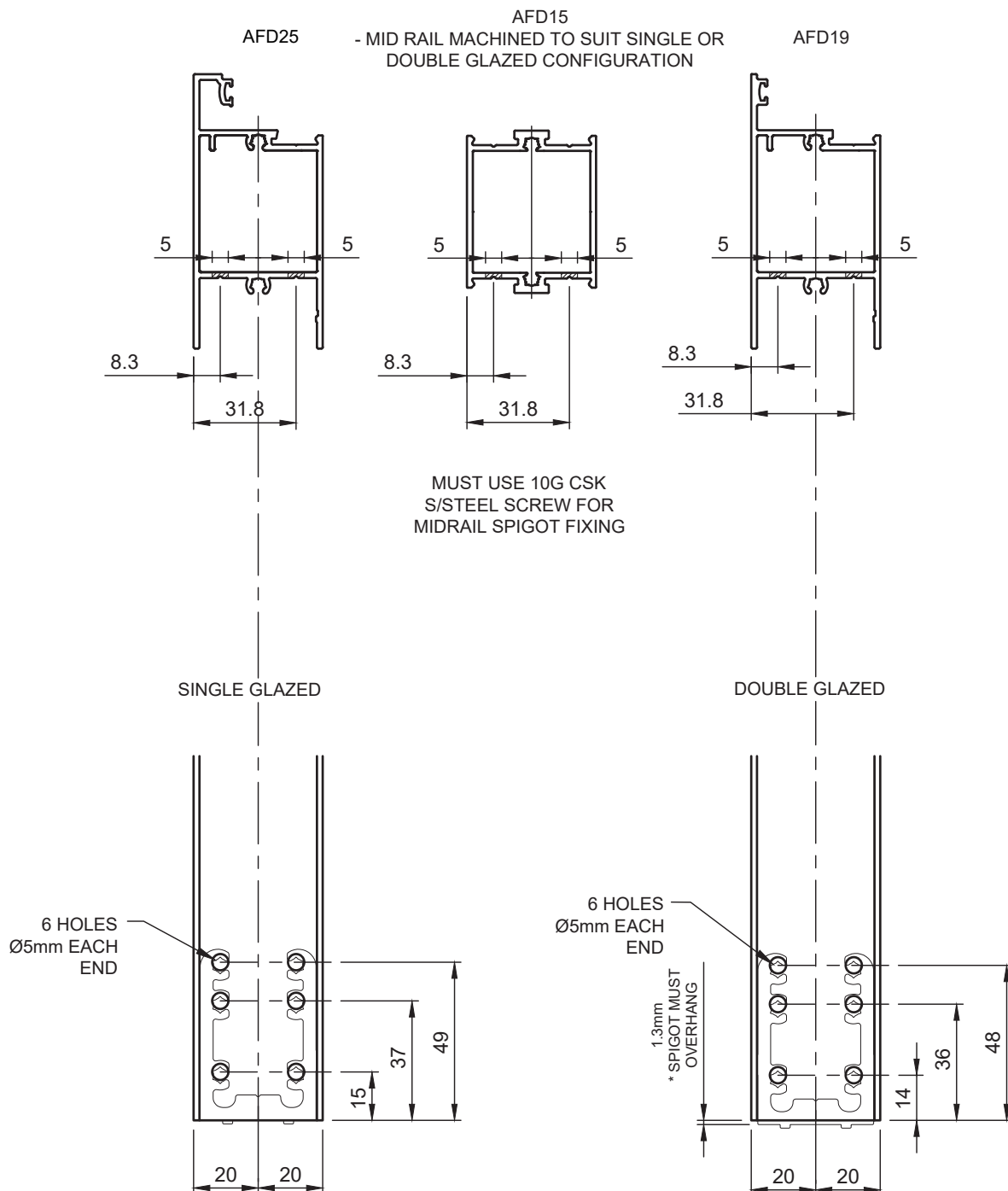
LH DRAWN
RH OPPOSITE



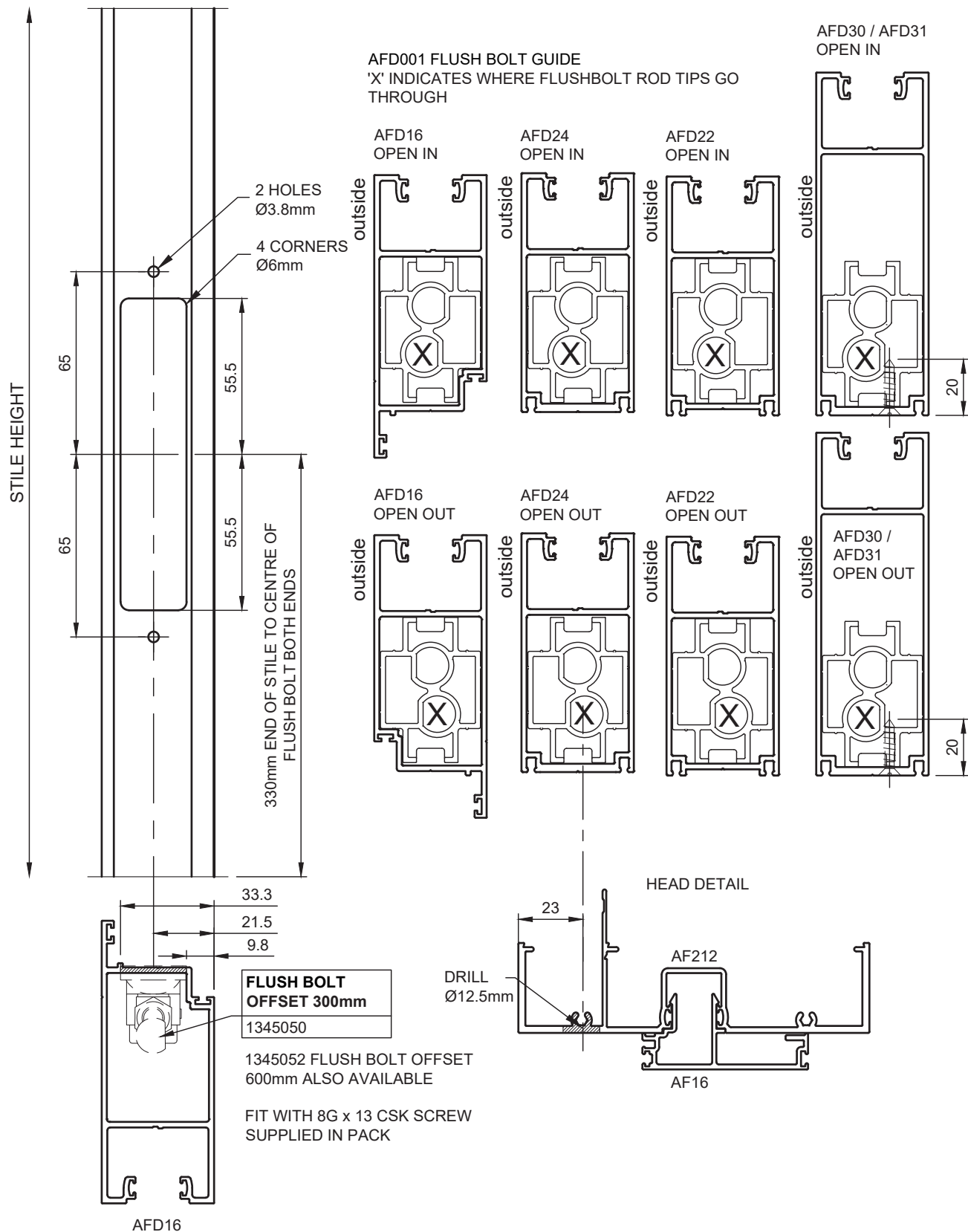
Jamb Preparation - AF006 Sill



Rail/Mid Rail - Spigot Fixing Location

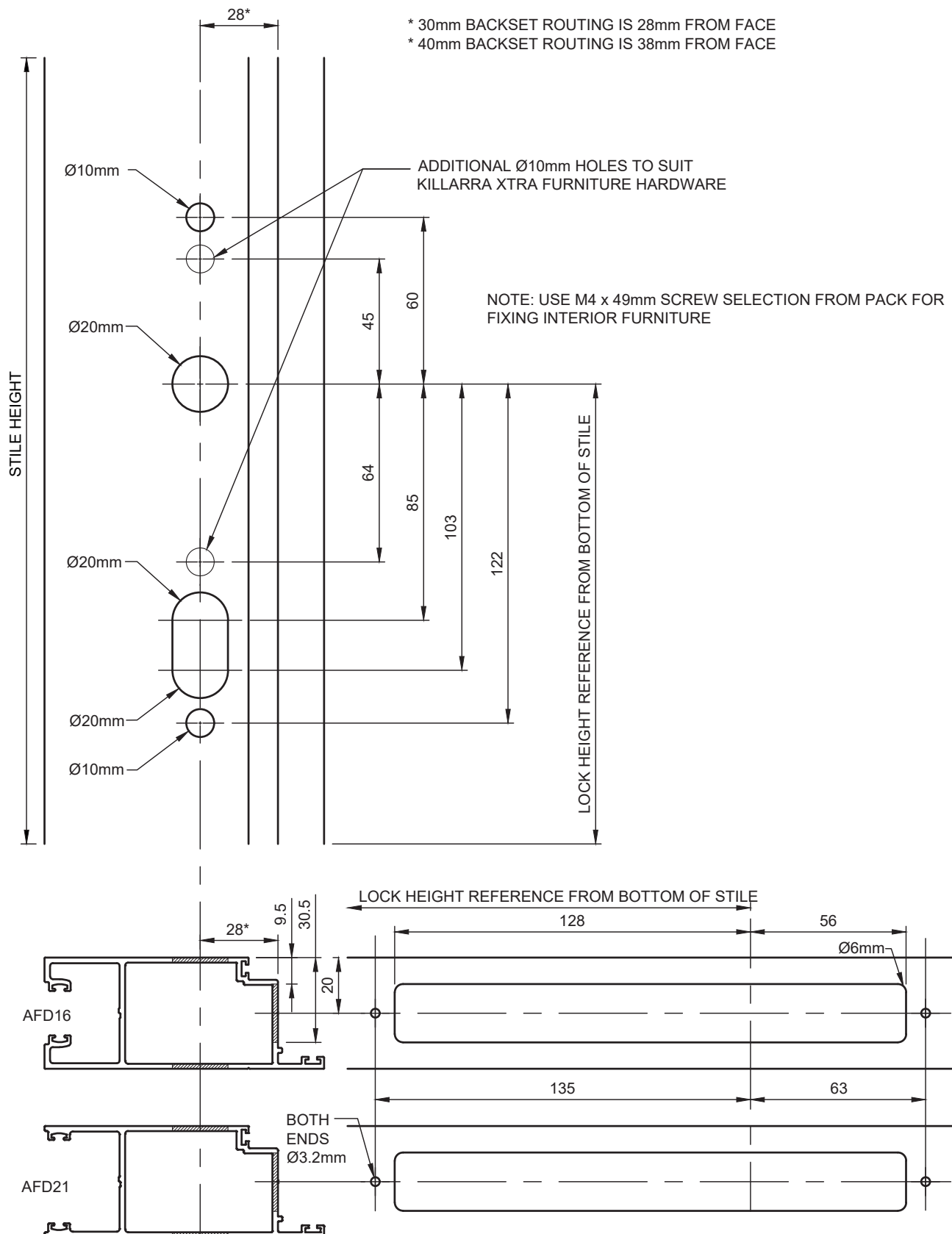


Flushbolt and Flushbolt Guide Detail

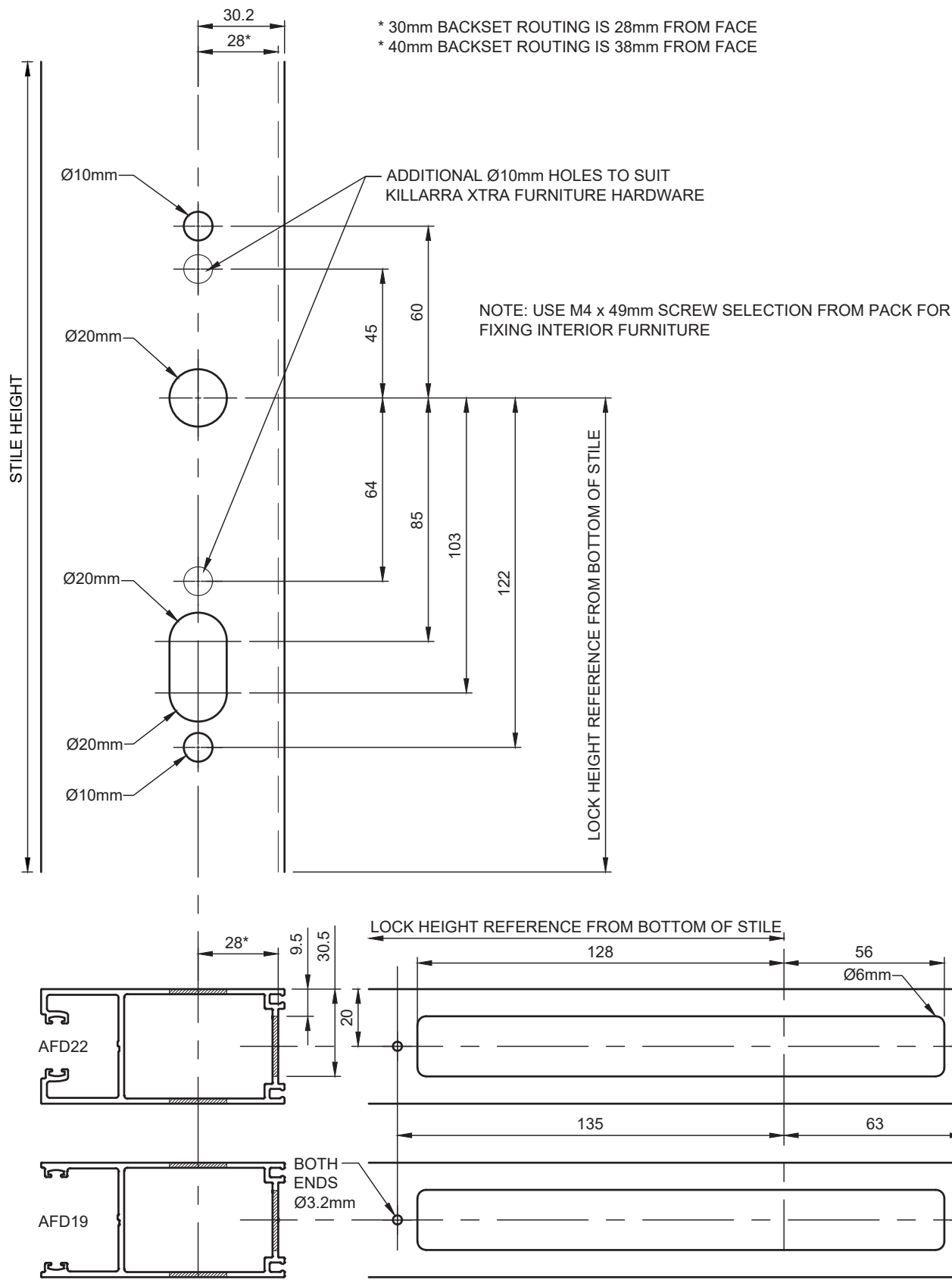


10. Manufacturing Details

Meeting Lock Stile Preparation - Killarra Machining

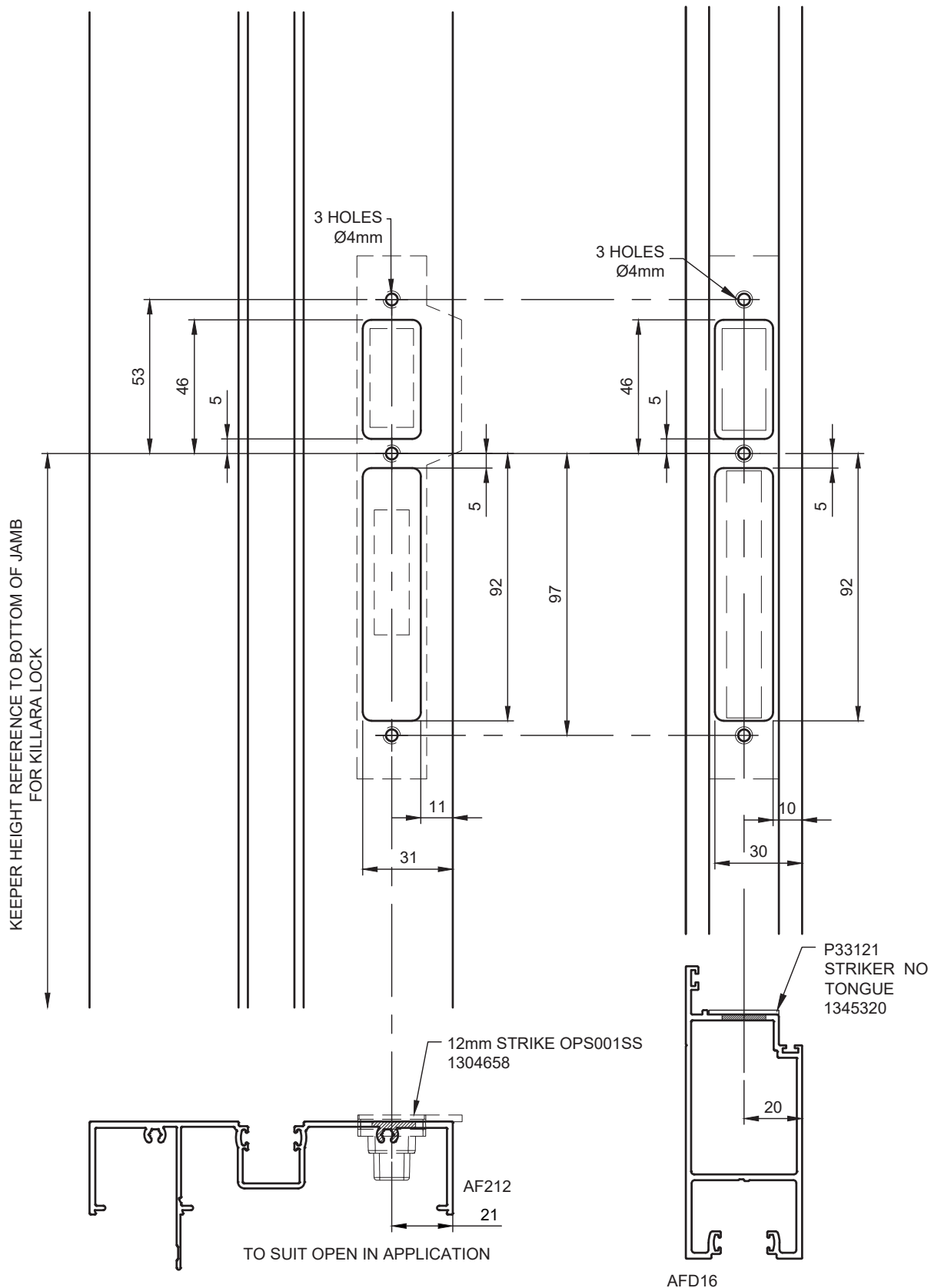


Jamb Lock Stile Preparation - Killarra Machining



10. Manufacturing Details

Jamb and Meeting Stile Preparation - Keeper Machining for Killara Locks

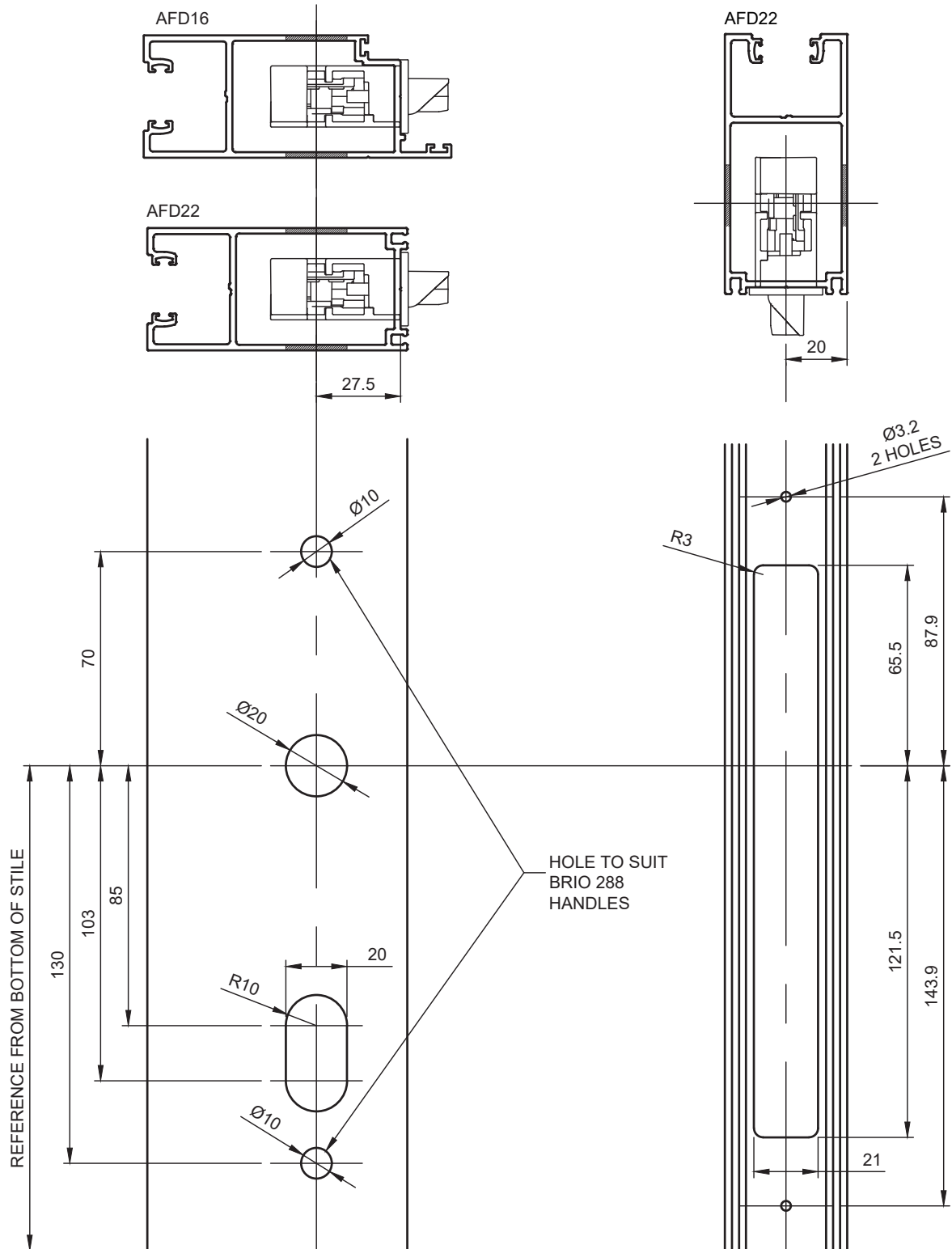


Lock Stile Preparation - Schlage 2802 and 2804

LOCK STILES:

Single Glazed: AFD22 (shown) AFD16 (shown)

Double Glazed: AFD12 AFD21

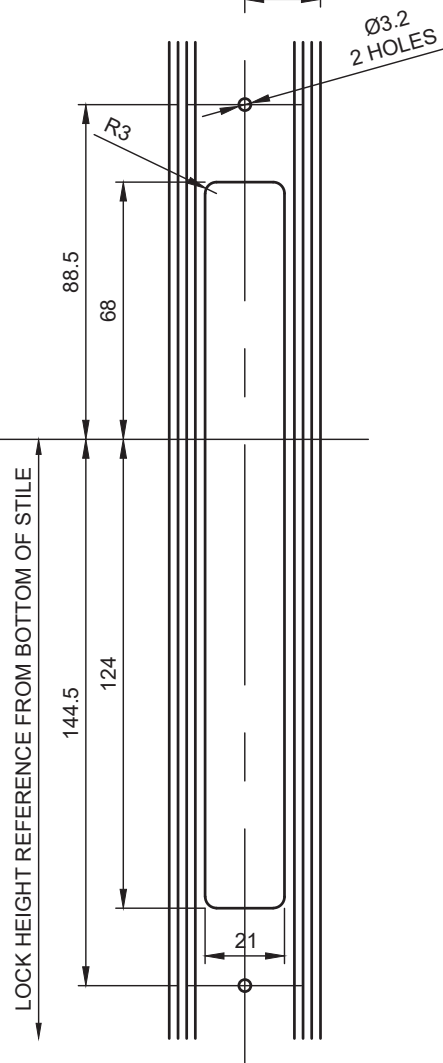
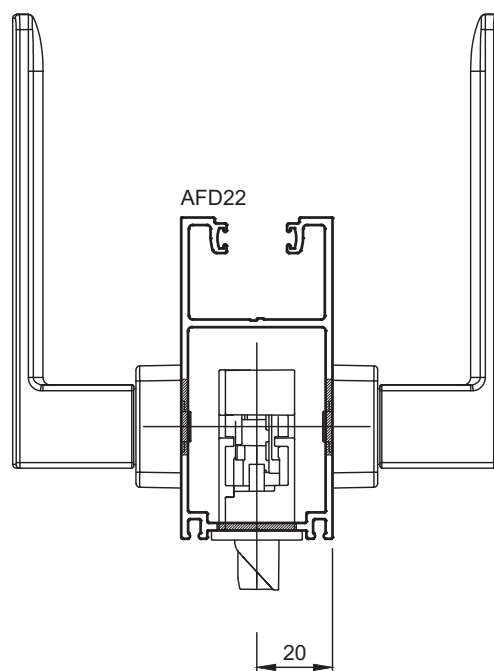
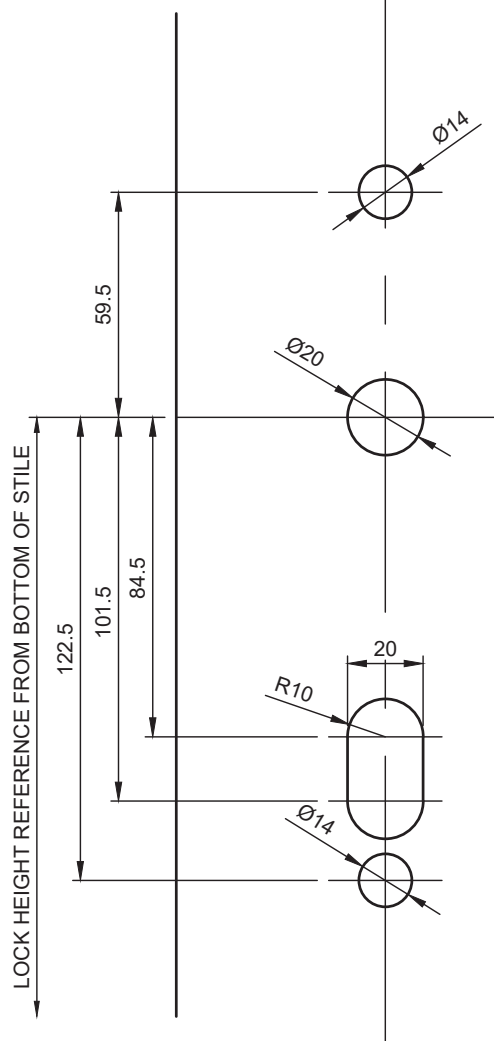
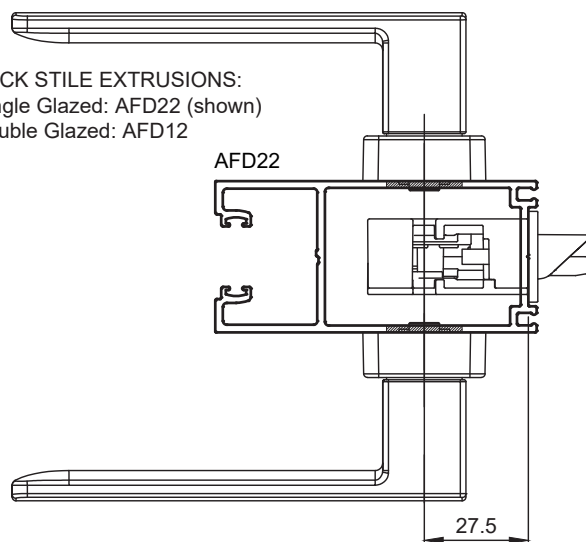


10. Manufacturing Details

Lock Stile Preparation - Verta Hinged Door Kit

1308457 VERTA 2PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT PVD BLK
1308474 VERTA 2PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT SS
1308458 VERTA 4PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT PVD BLK
1308463 VERTA 4PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT SS

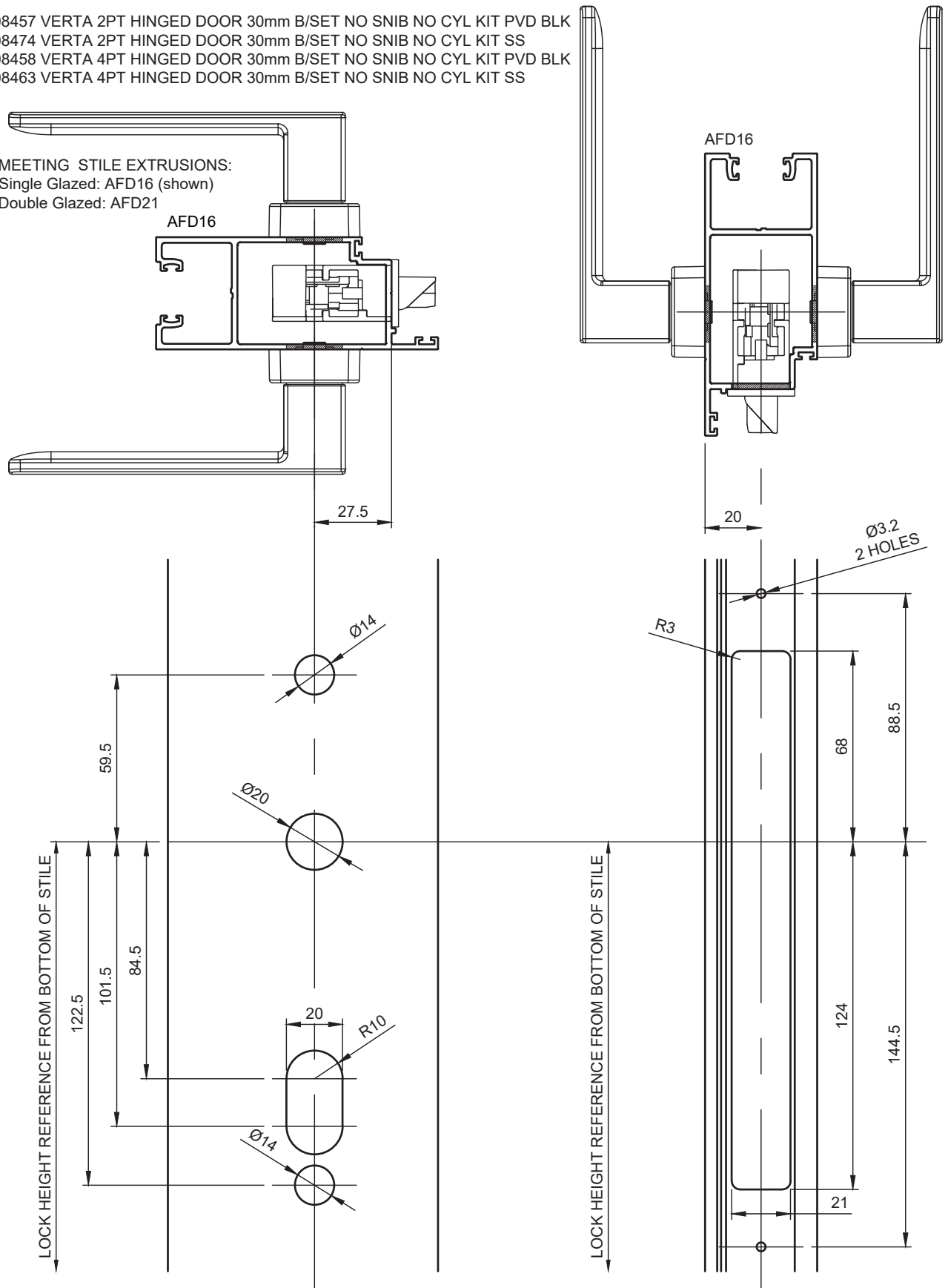
LOCK STILE EXTRUSIONS:
Single Glazed: AFD22 (shown)
Double Glazed: AFD12



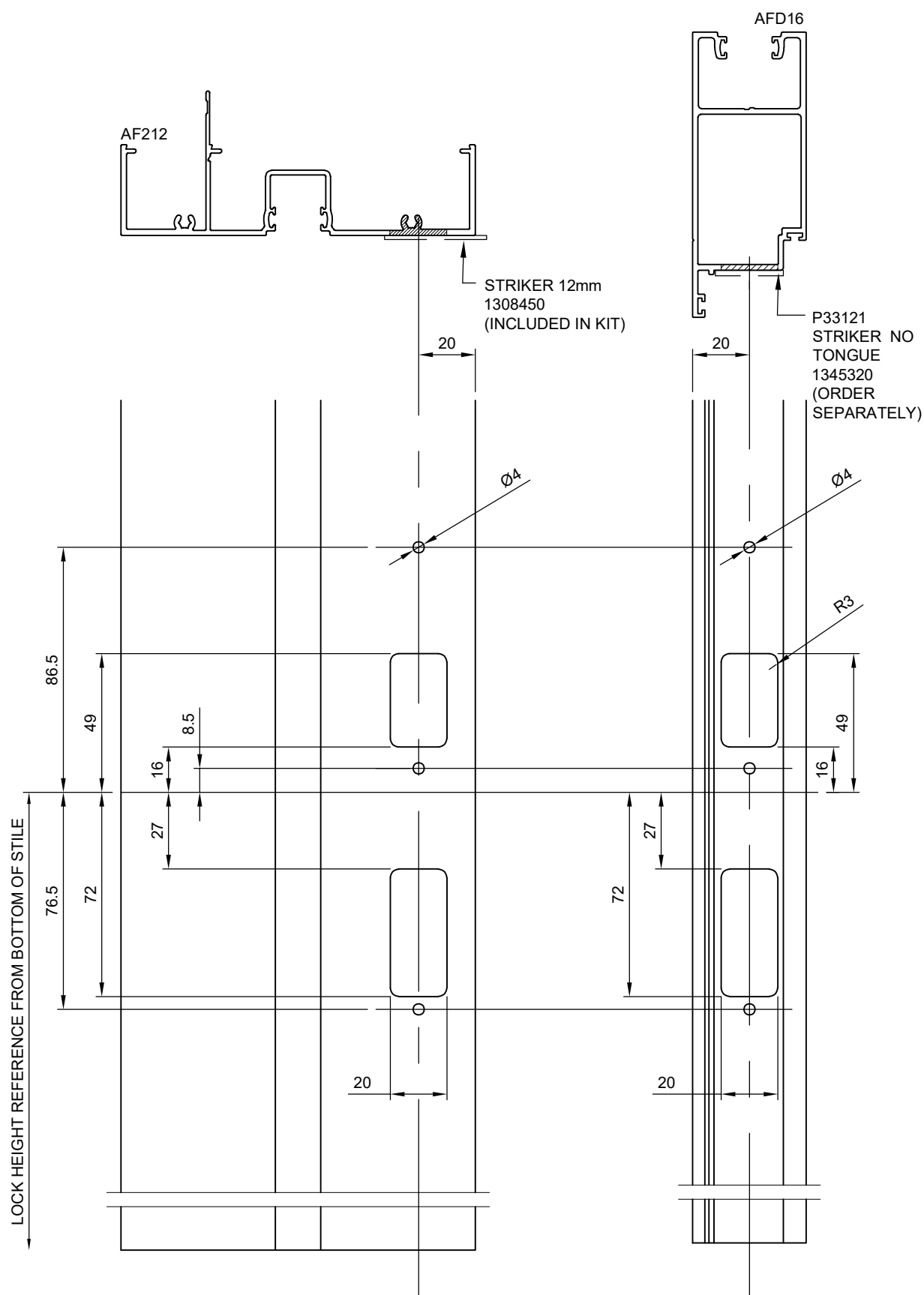
Meeting Stile Preparation - Verta Hinged Door Kit

1308457 VERTA 2PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT PVD BLK
1308474 VERTA 2PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT SS
1308458 VERTA 4PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT PVD BLK
1308463 VERTA 4PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT SS

MEETING STILE EXTRUSIONS:
Single Glazed: AFD16 (shown)
Double Glazed: AFD21



Jamb and Meeting Stile Preparation - Verta Hinged Door Kit

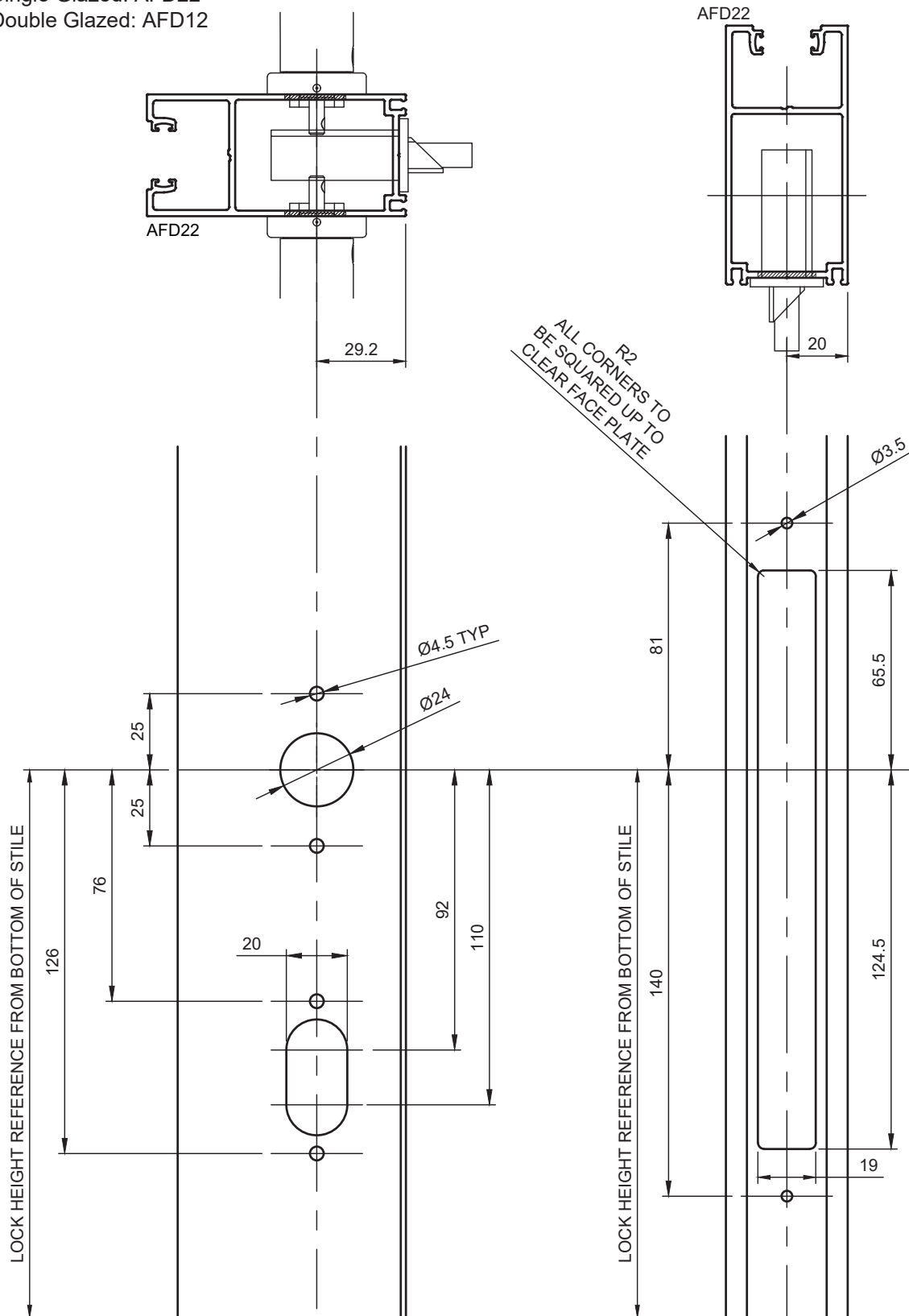


Lock Stile Preparation - HB8813 30mm B/Set Lock & Lever Door Kit

STILES:

Single Glazed: AFD22

Double Glazed: AFD12

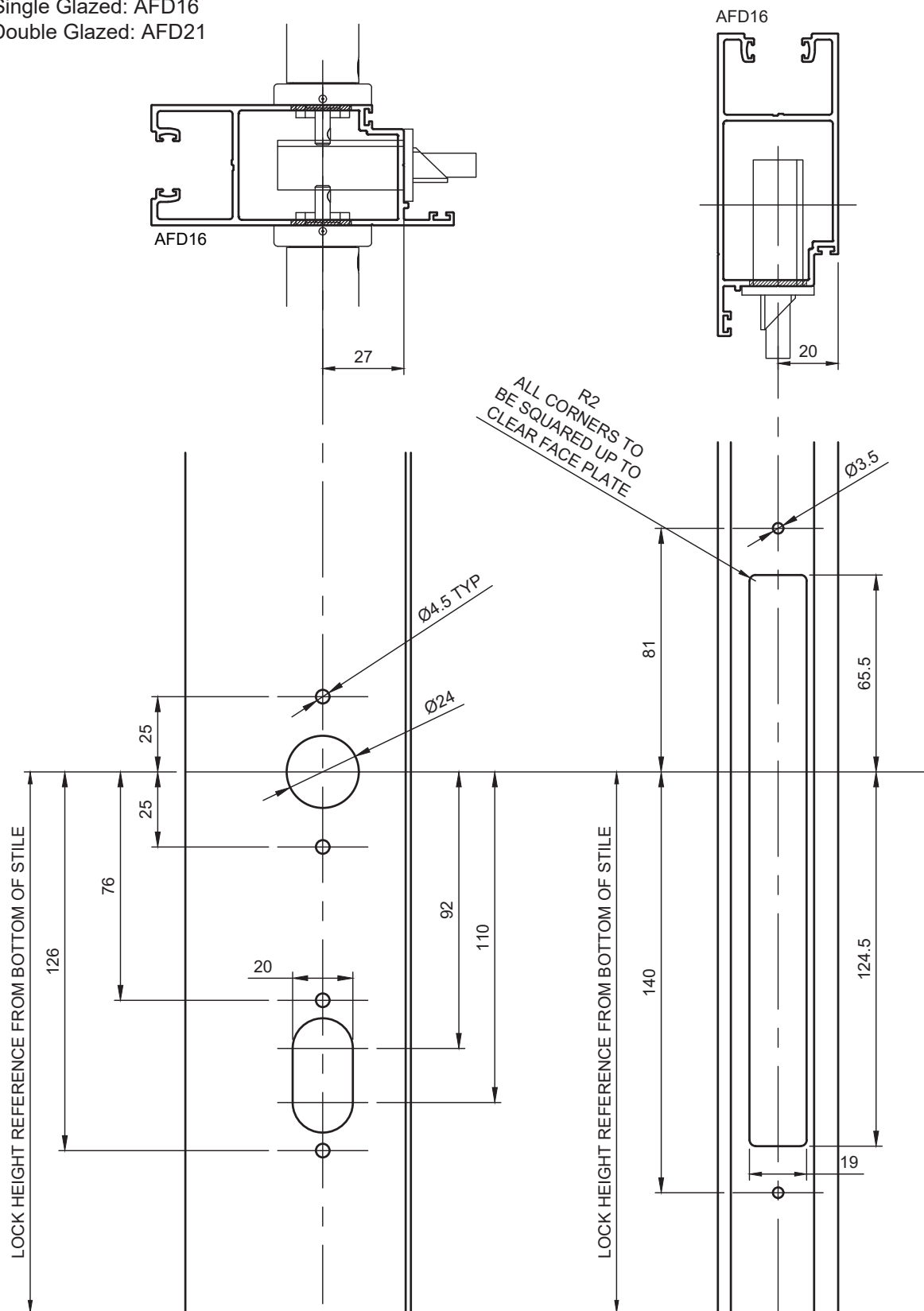


Meeting Stile Preparation - HB8813 30mm B/Set Lock & Lever Door Kit

STILES:

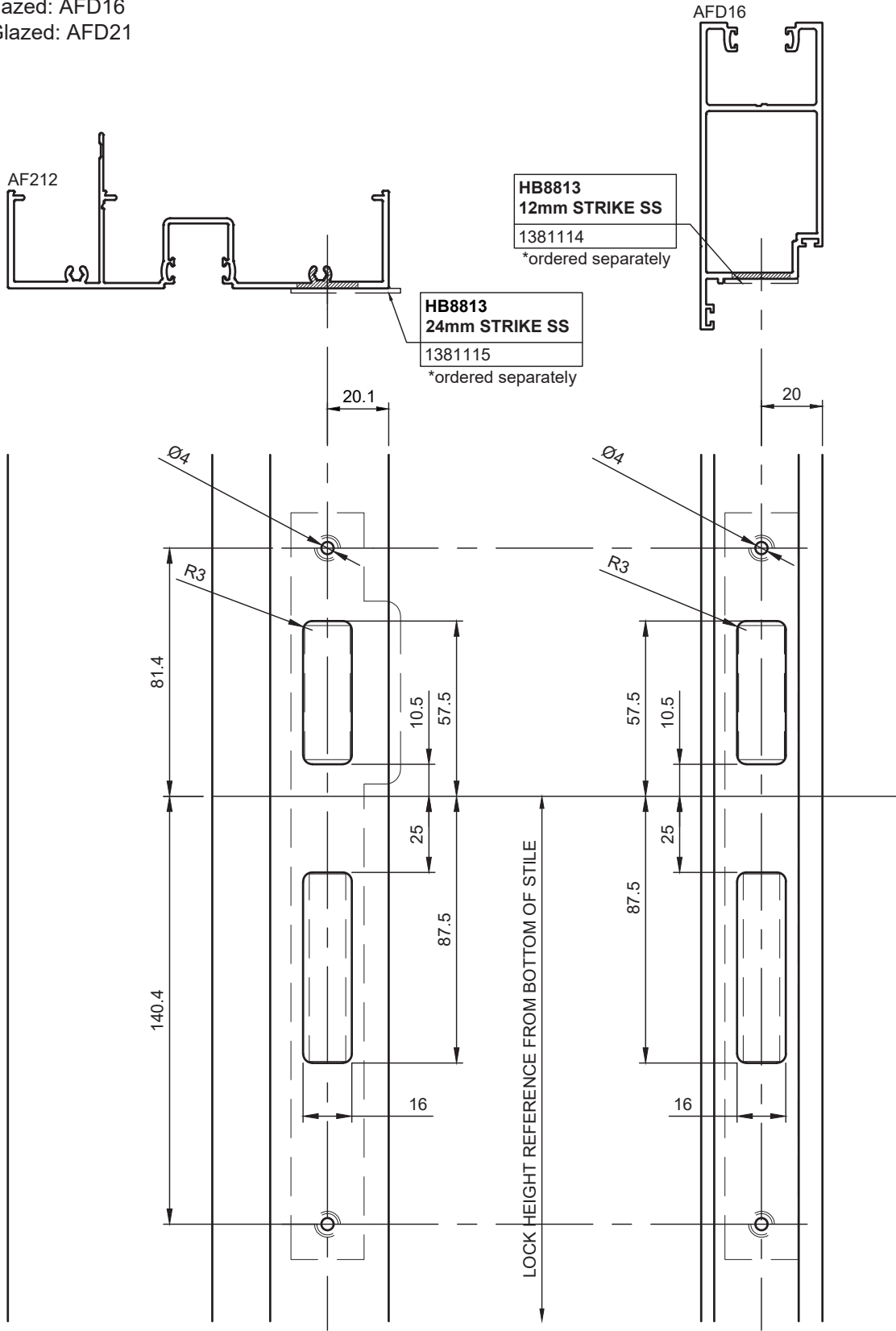
Single Glazed: AFD16

Double Glazed: AFD21



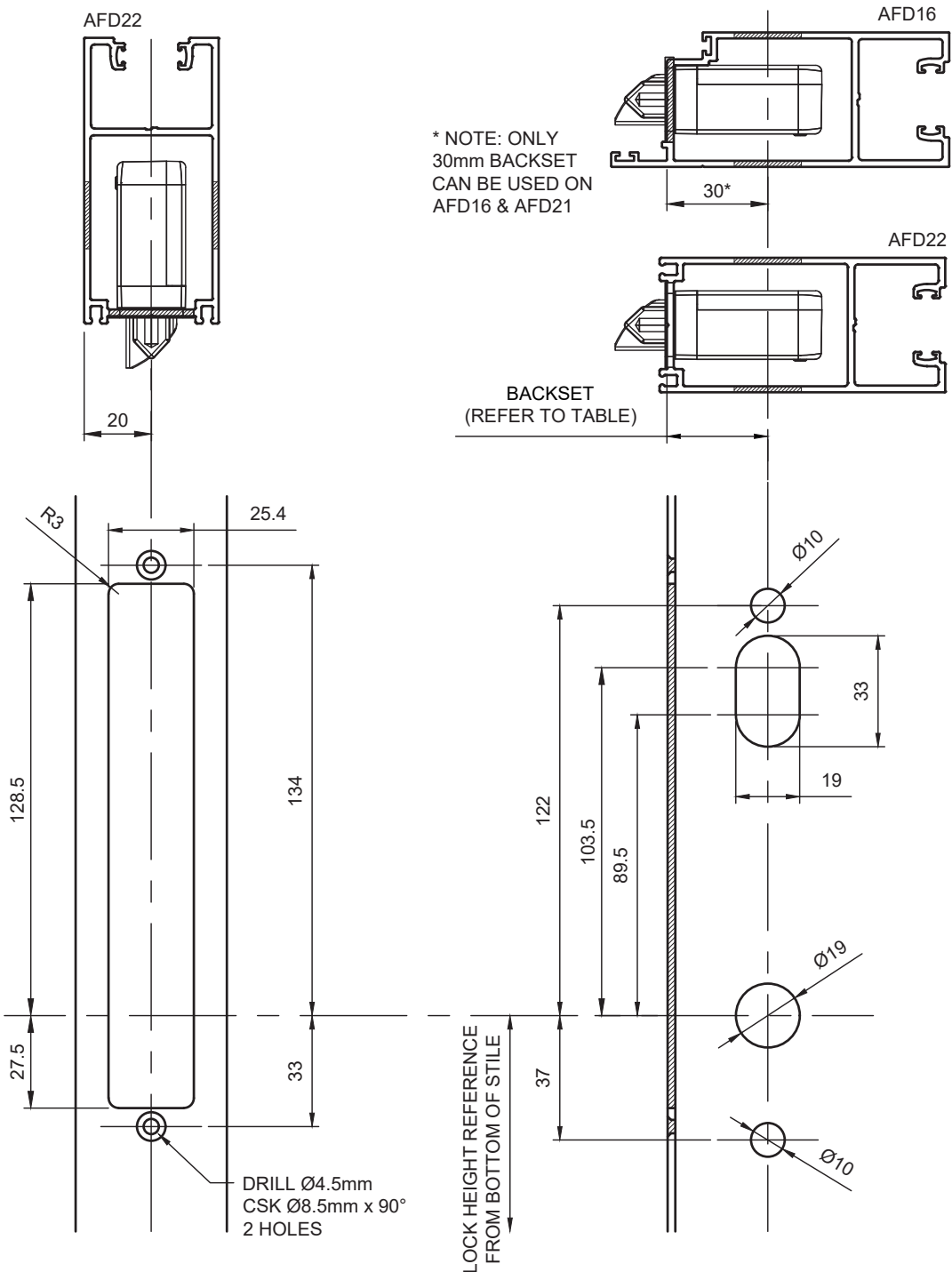
Jamb and Meeting Stile - HB8813 Striker Plates

MEETING STILES:
Single Glazed: AFD16
Double Glazed: AFD21

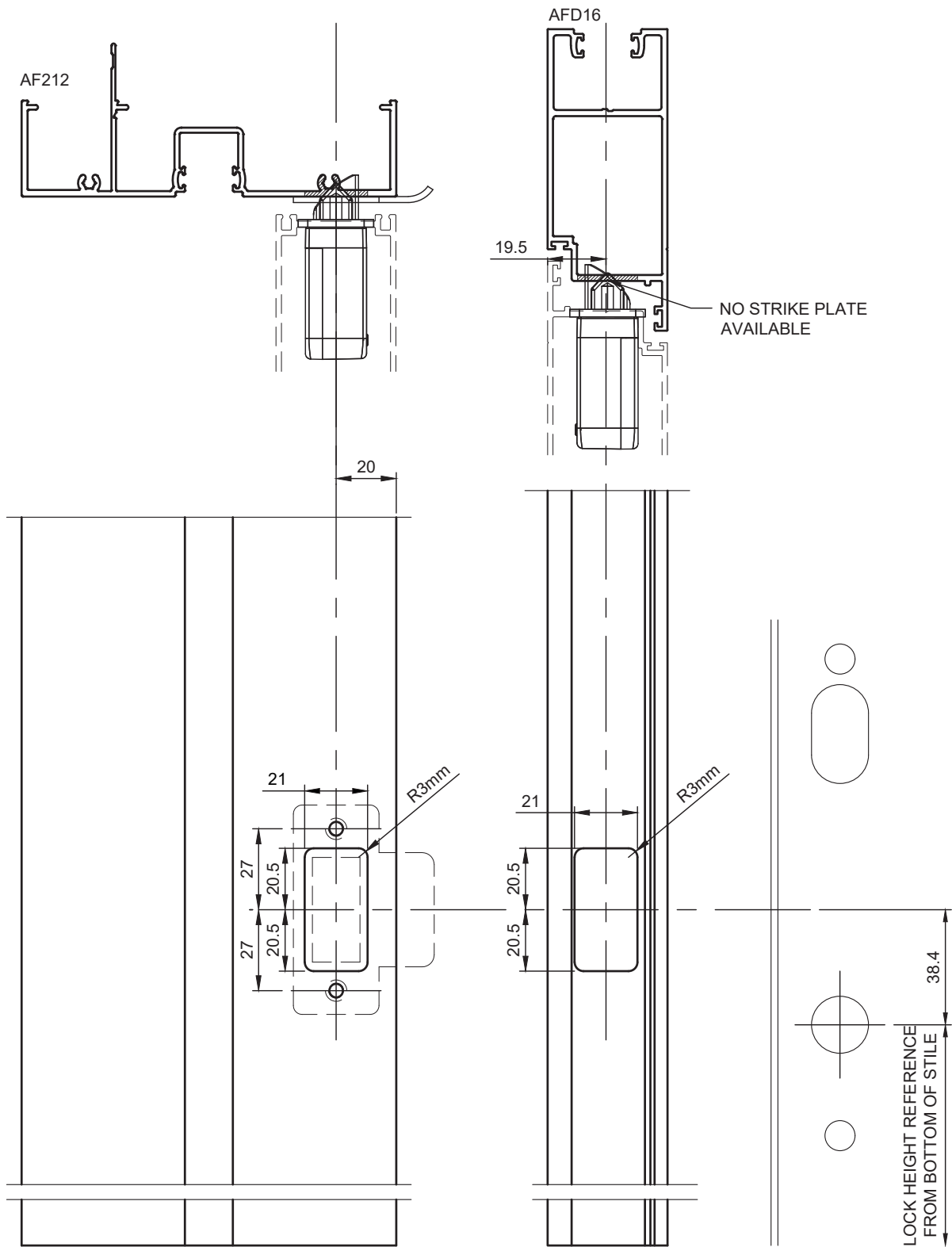


Lock Stile Preparation (Hinged) Commerical Mortice Locks

MORTICE LOCK			
LOCK	BACKSET (mm)	EXTRUSION (SINGLE GLAZED)	EXTRUSION (DBL GLAZED)
ASSA 5782	30	AFD22 AFD16	AFD12 AFD21
LEGGE 995	30	AFD22 AFD16	AFD12 AFD21



Striker Preparation (Hinged) Commercial Mortice Locks



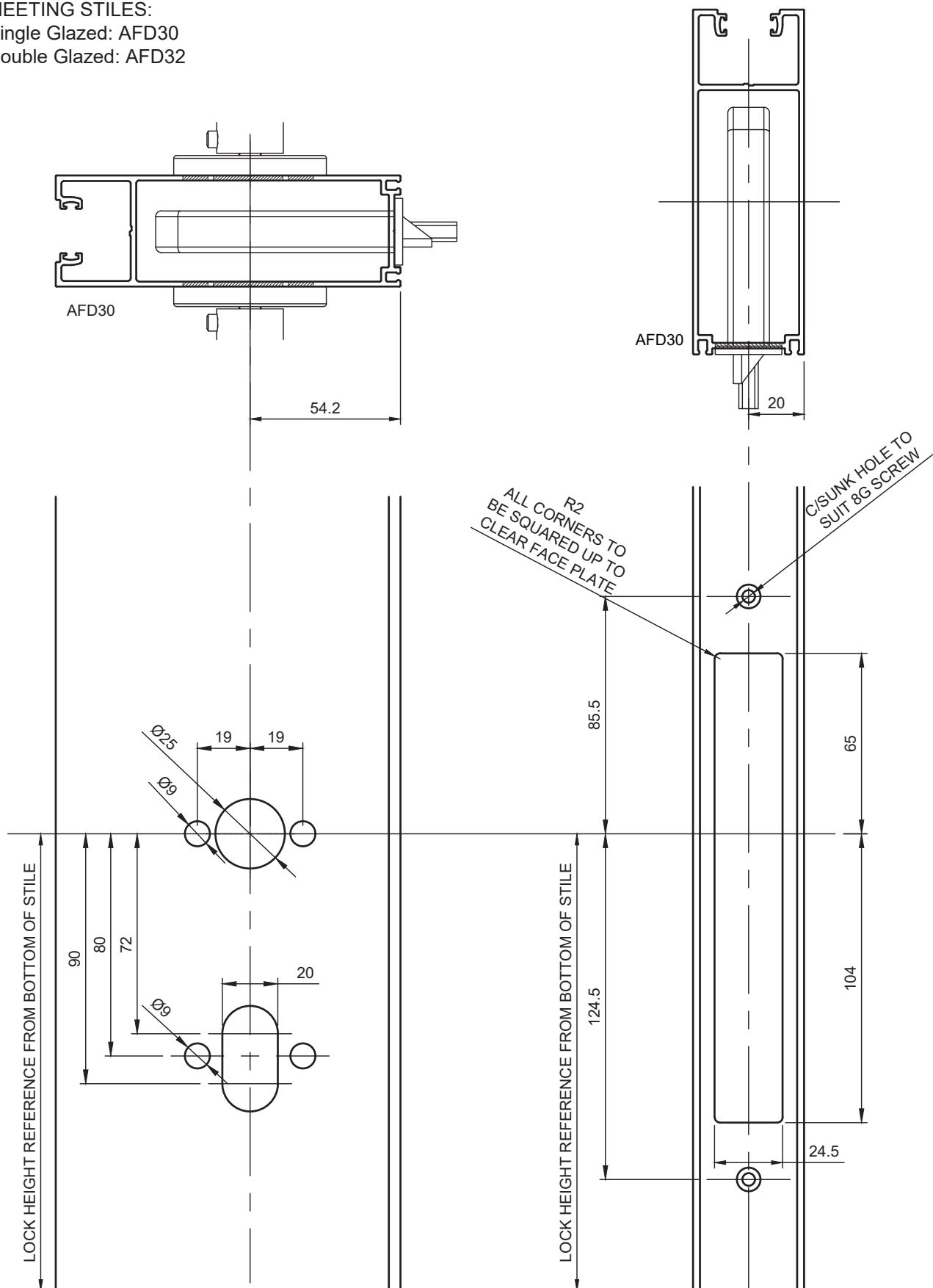
10. Manufacturing Details

Lock Stile Preparation - HB8813 55mm B/Set Lock & Lever Door Kit

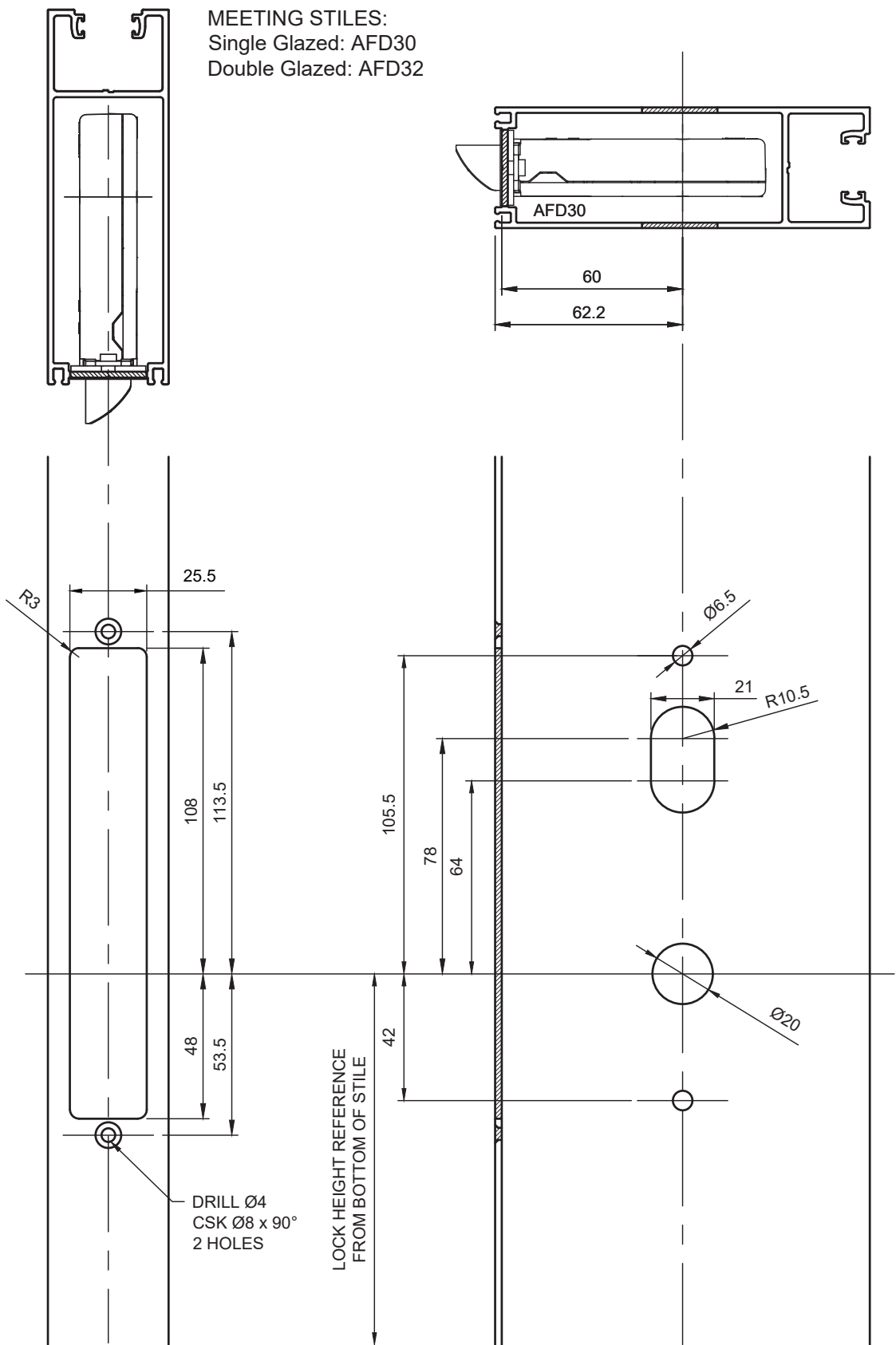
MEETING STILES:

Single Glazed: AFD30

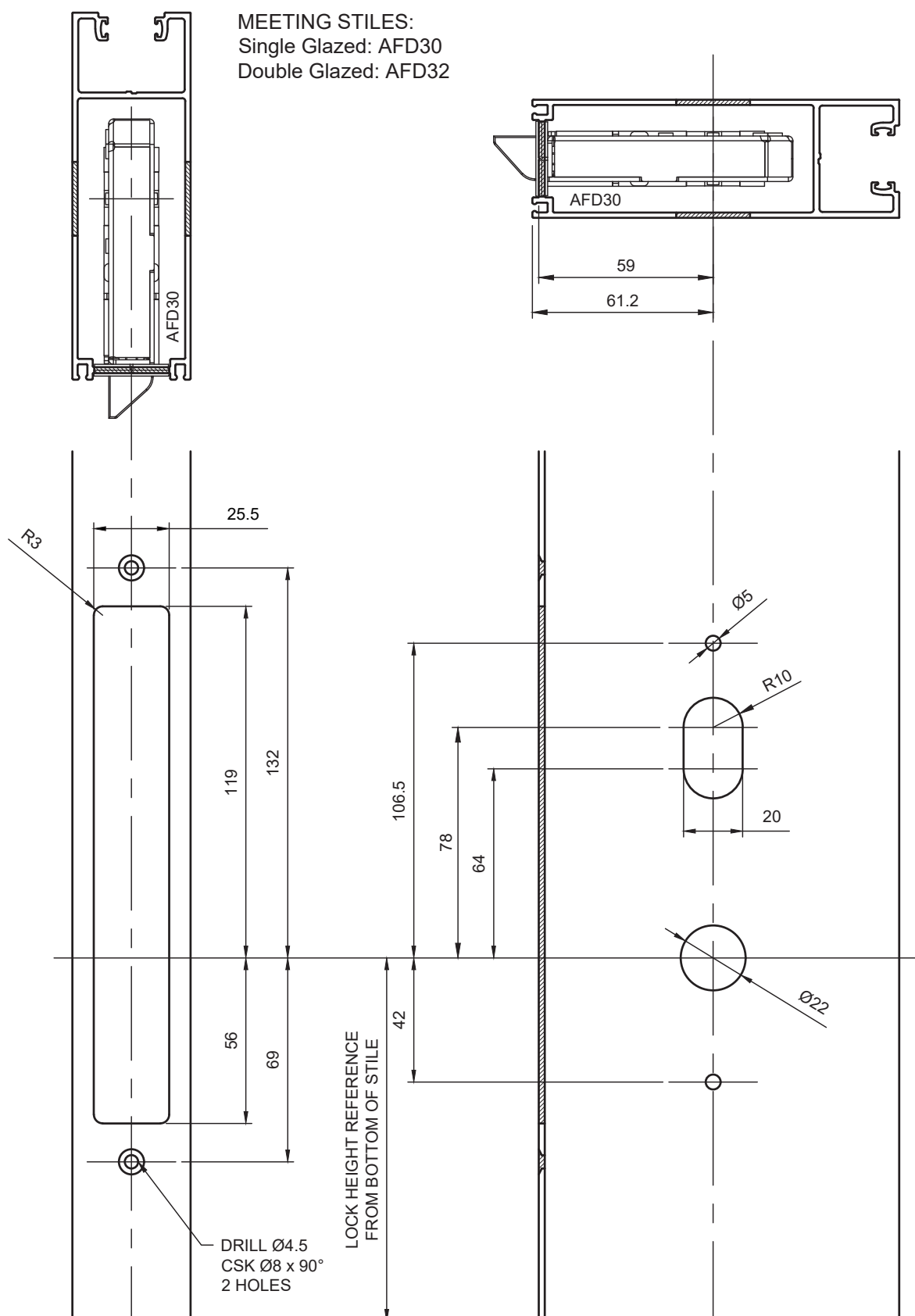
Double Glazed: AFD32



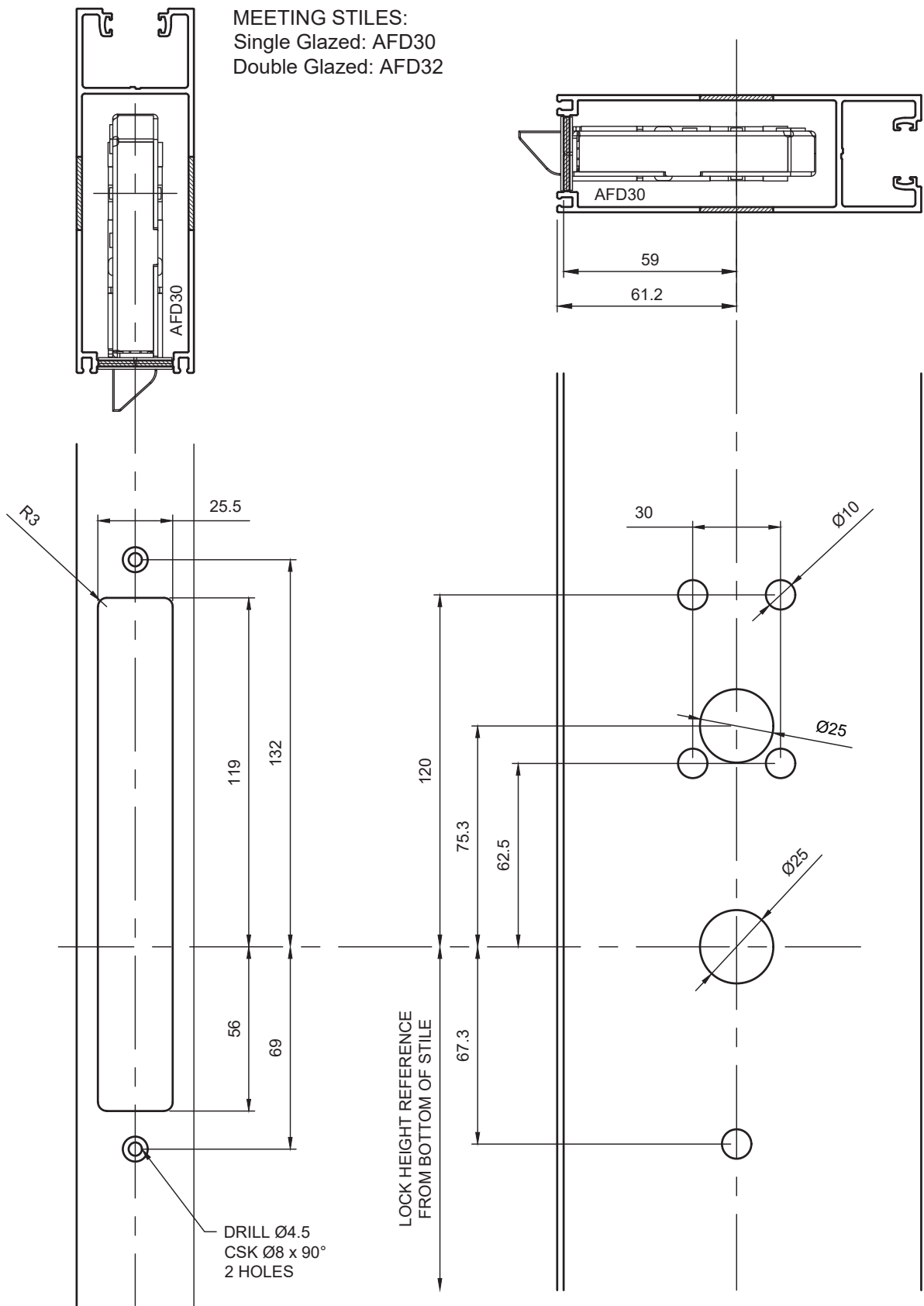
Lock Stile Preparation (Hinged) Mortice Lock ASSA 3772 60mm Backset



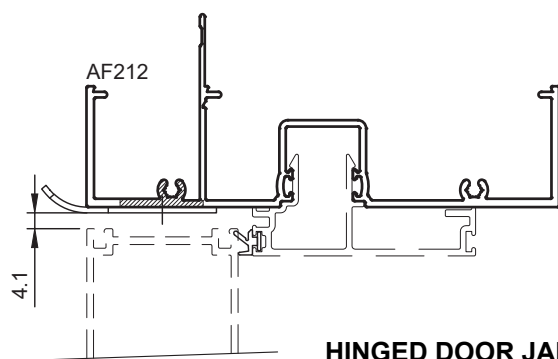
Lock Stile Preparation (Hinged) Mortice Lock Dorma MS2600 60mm Backset



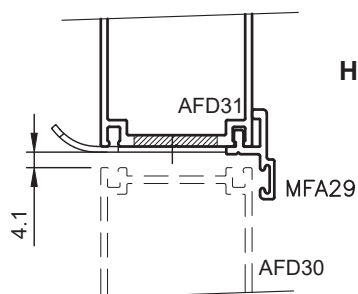
Jamb & Meeting Stile Preparation - M5 Digital Lock



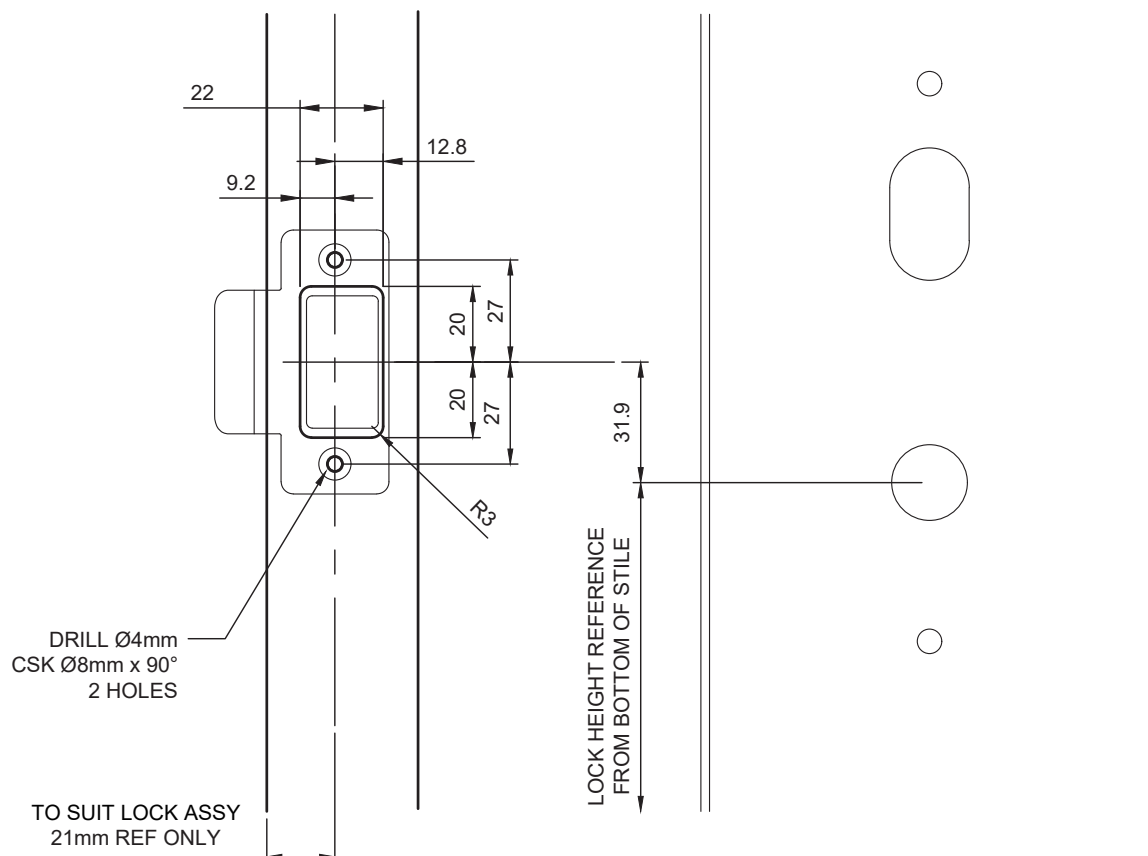
Strike Preparation (Hinged) Mortice Lock ASSA 3772 & Dorma MS2600 60mm Backset



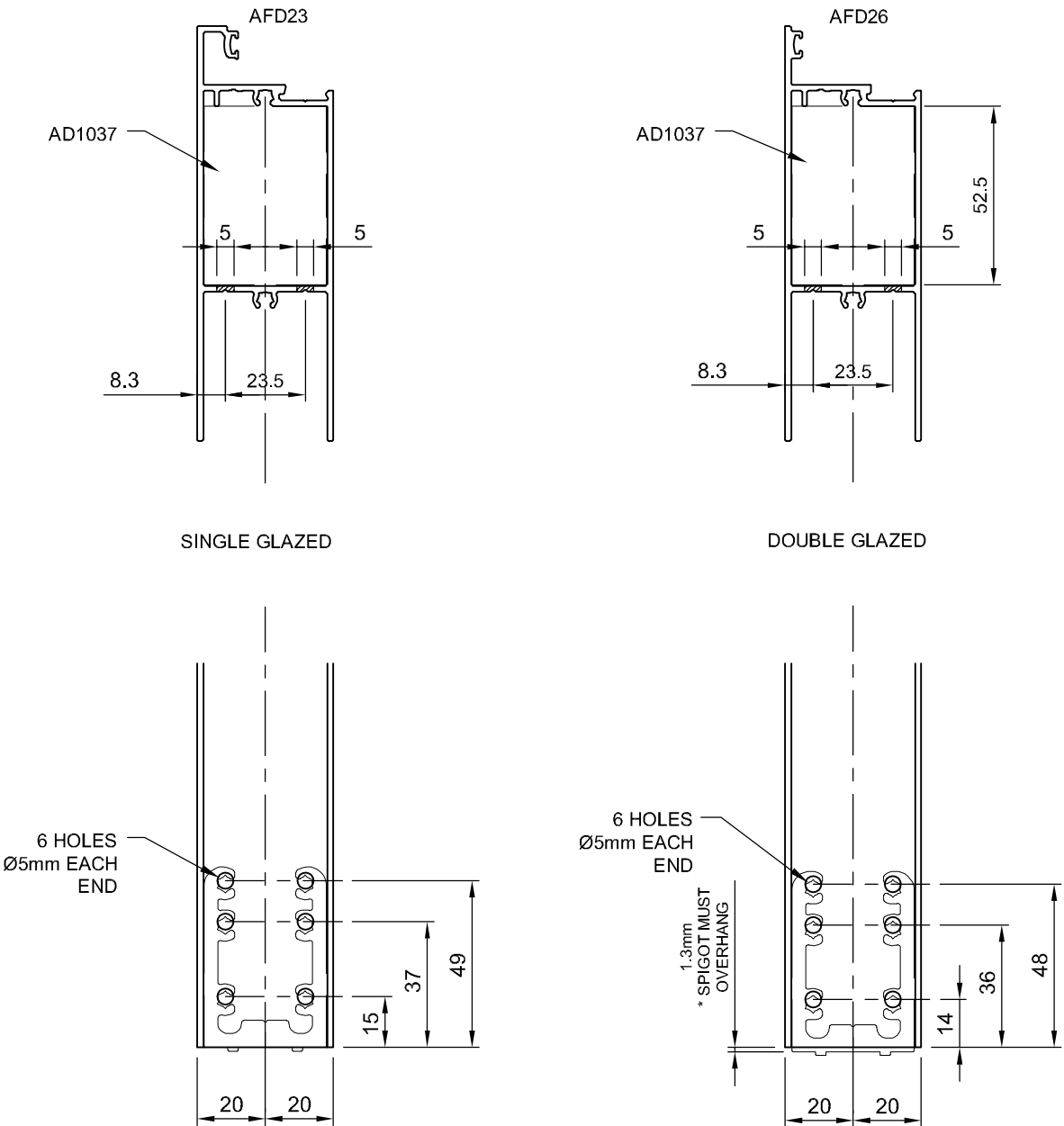
HINGED DOOR JAMB



HINGED DOOR MEETING STILES

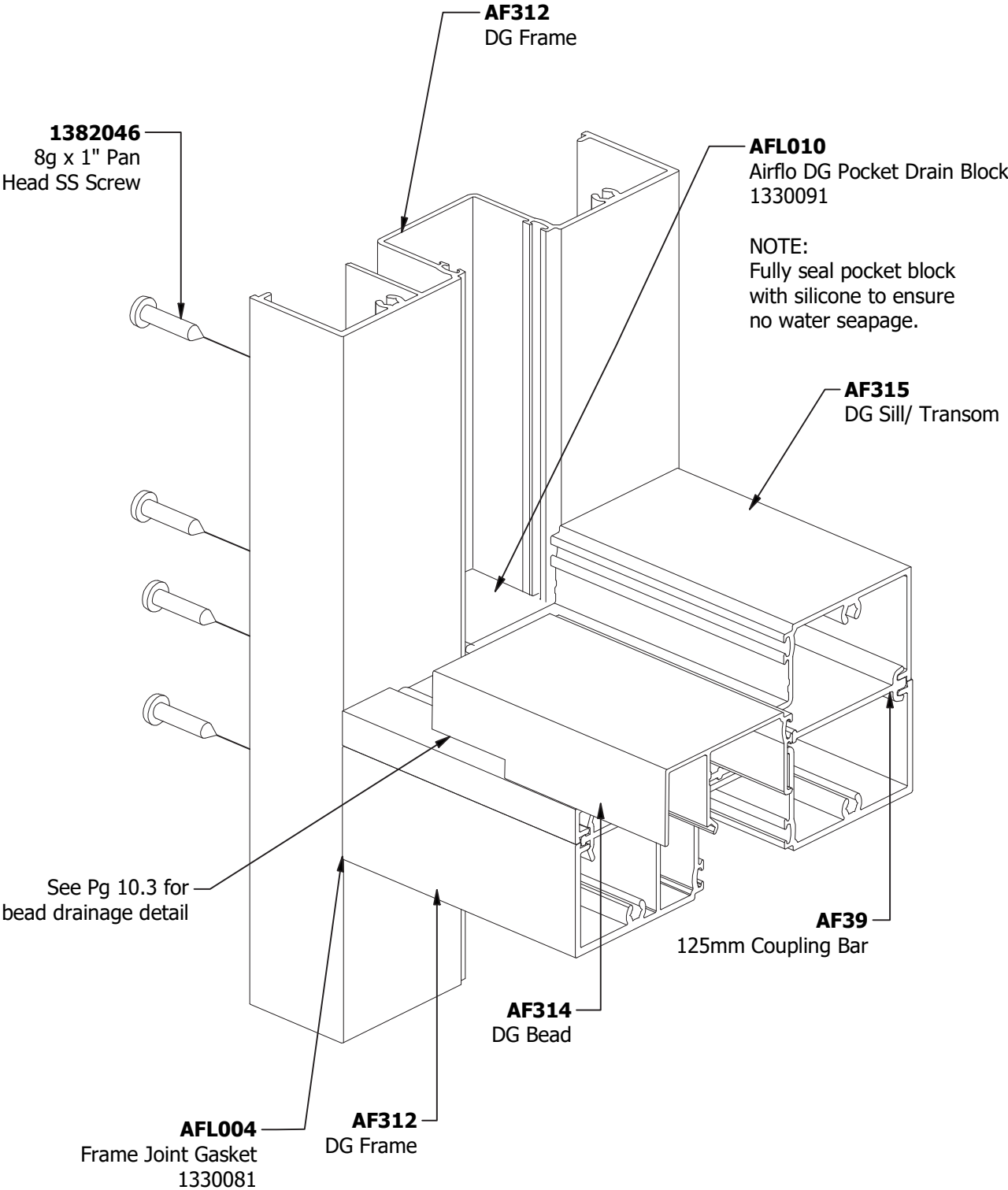


Deep Rail Preparation - AD1037 Spigot Fixing Location

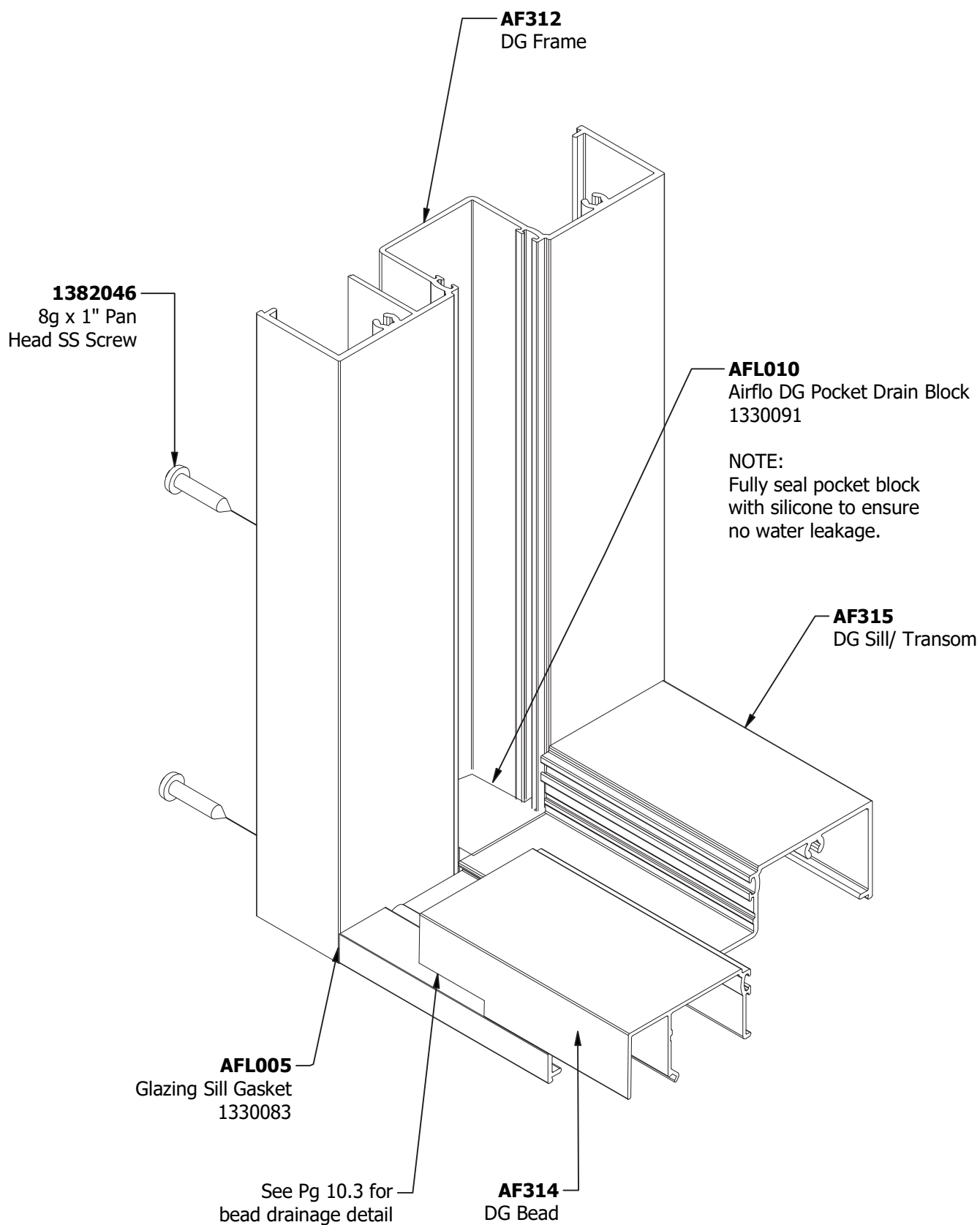


NOTE: 1mm OFFSET HOLE RECOMMENDED FOR TIGHTER CORNER JOINT ASSEMBLY

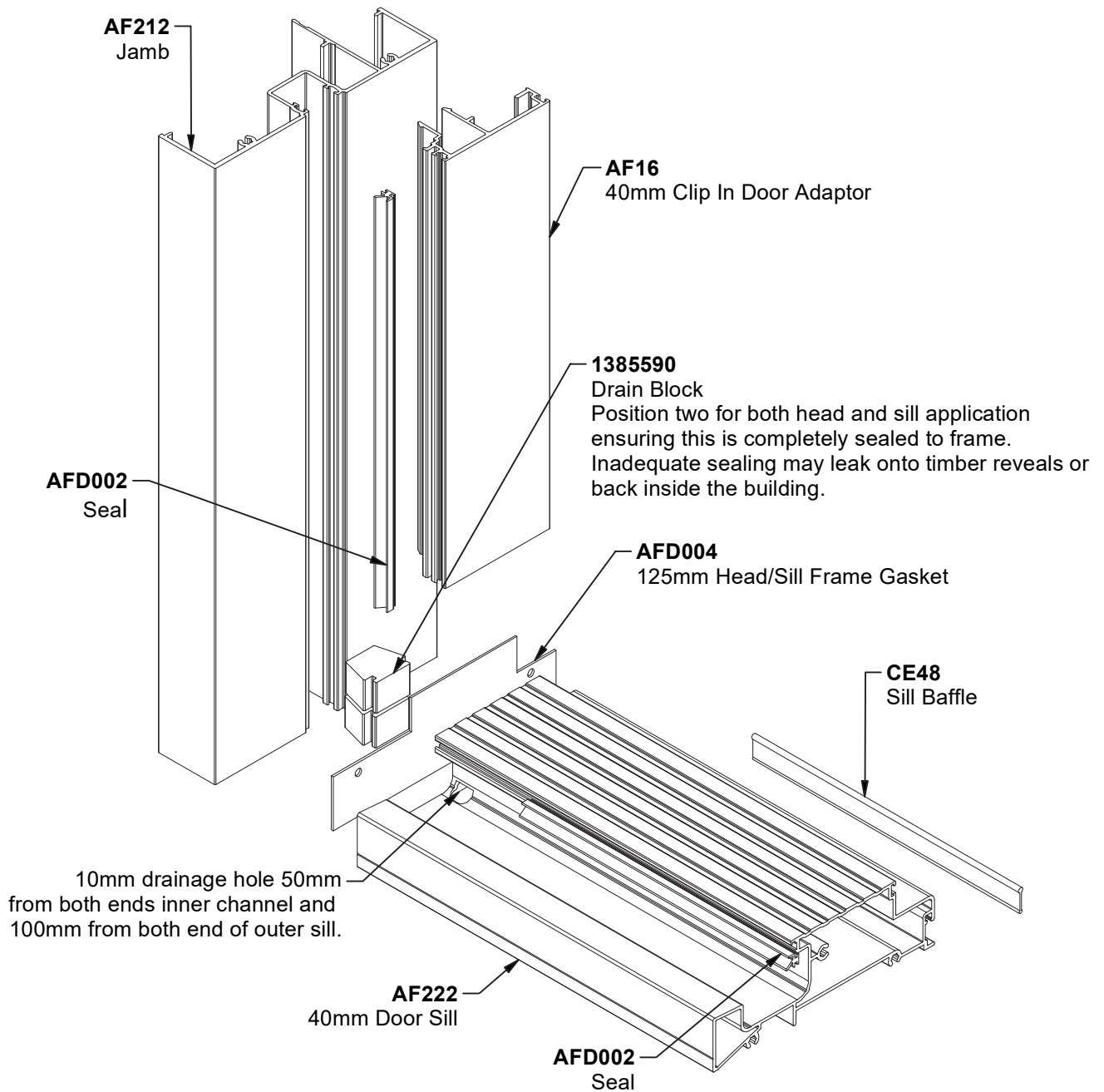
Double Fixed Glazed - Transom Detail



Double Fixed Glazed - Sill Detail

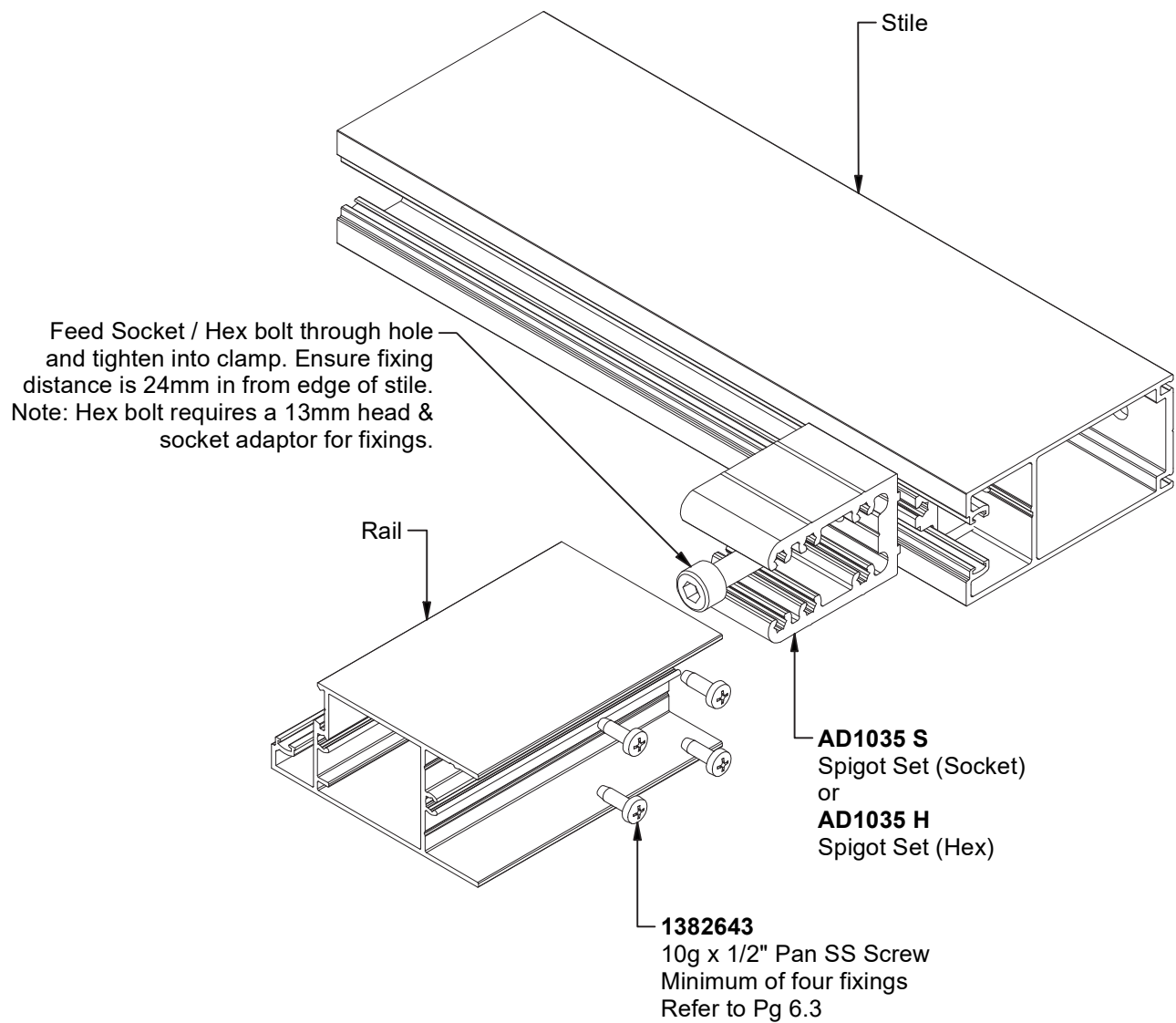


Frame Corner Assembly

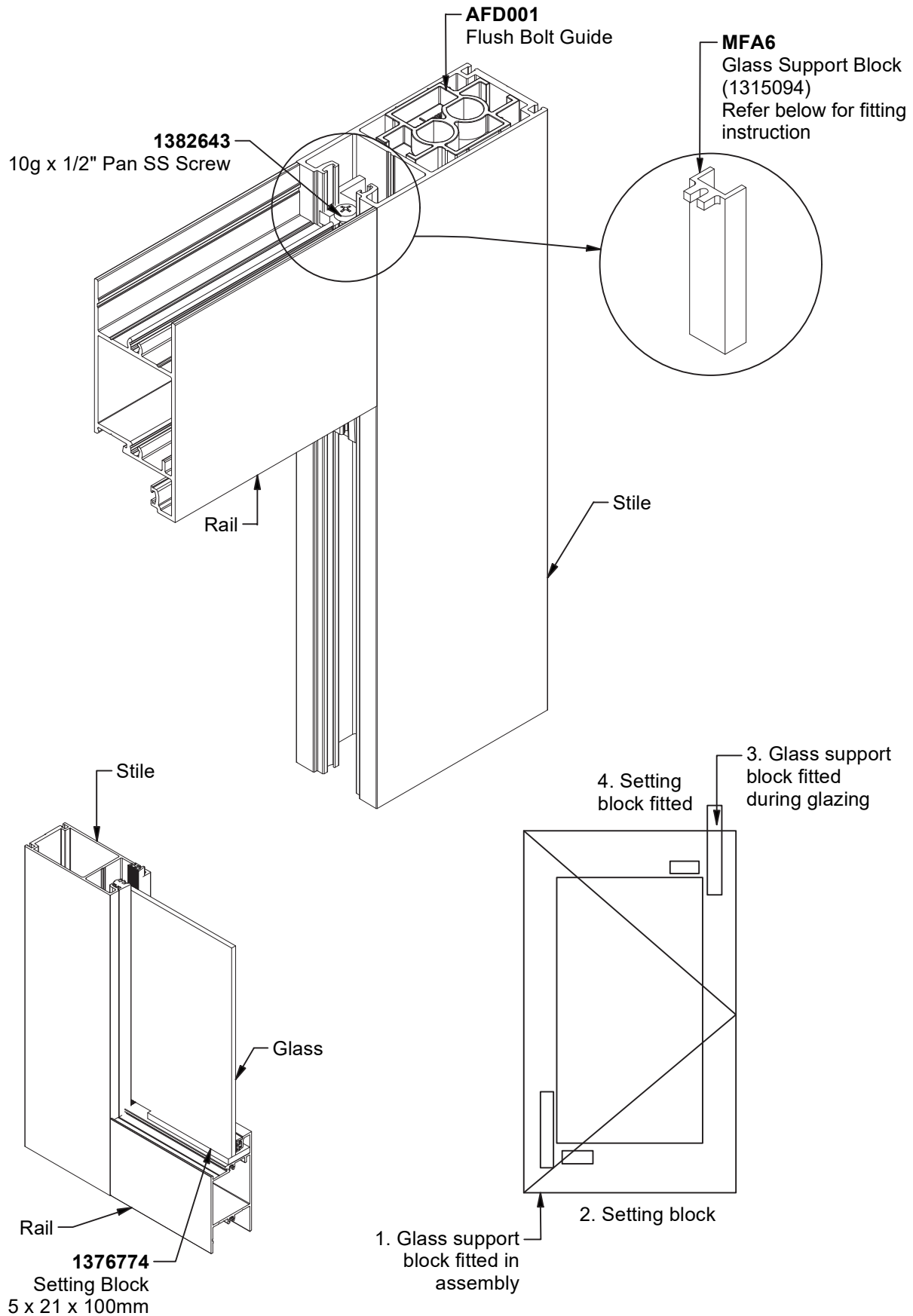


11. Assembly Details

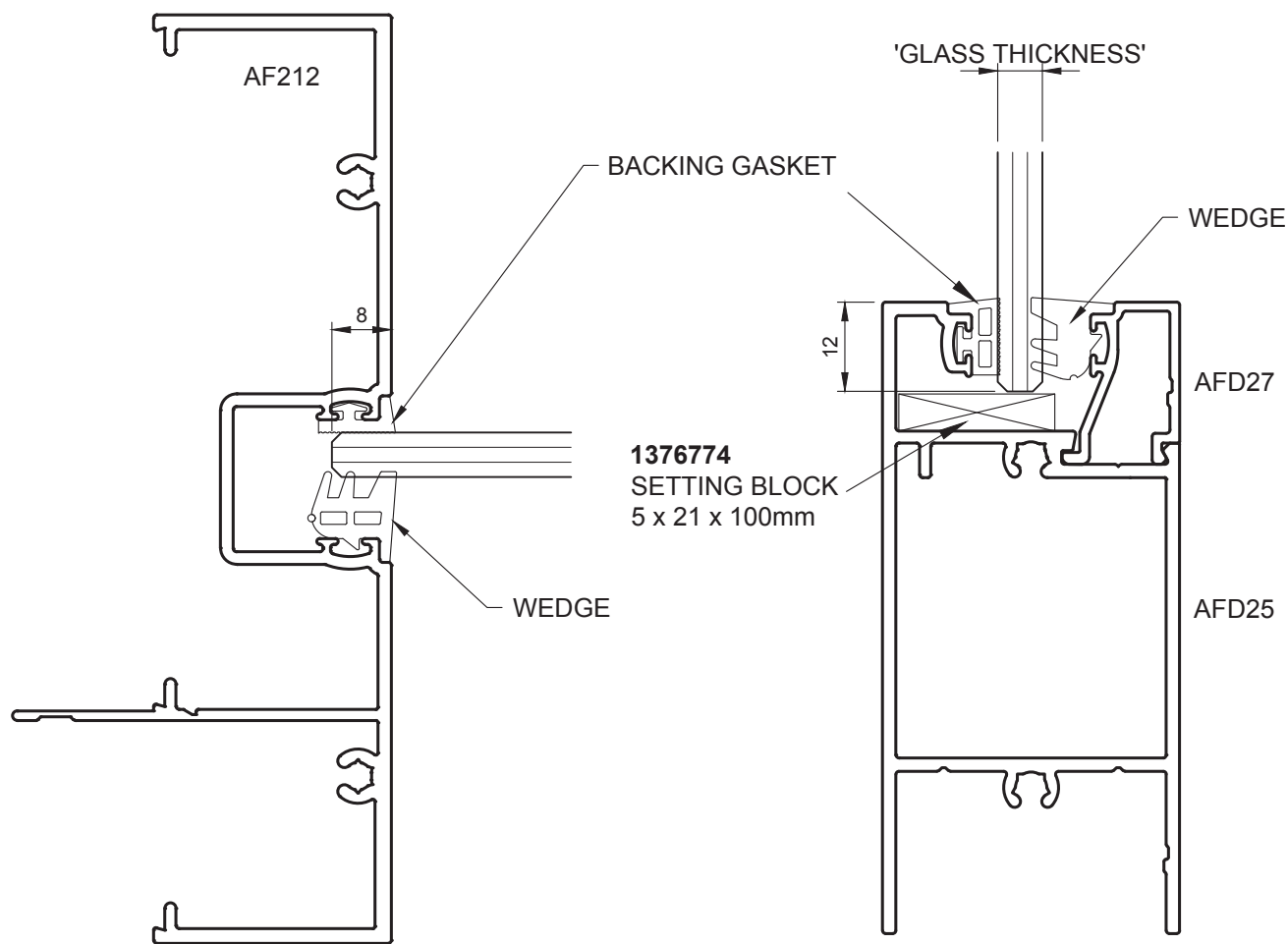
Panel Spigot Assembly



Glass Support Block Assembly



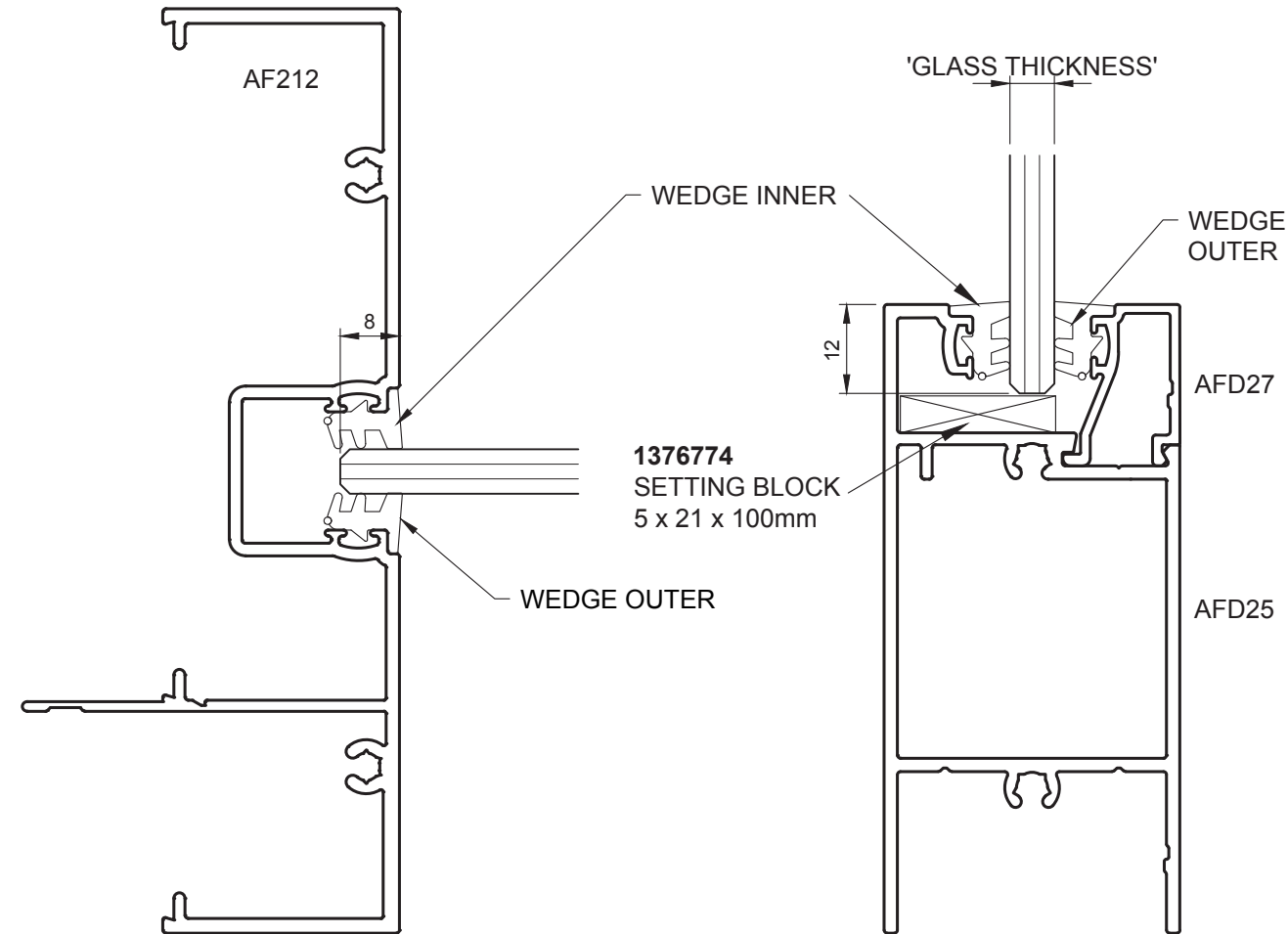
Single Glazed - Captive



	WEDGE		CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)
4mm	ORANGE	GR48 (8mm)	CE37 (4mm)
5mm	RED	GR47 (7mm)	CE37 (4mm)
6mm - 6.38mm	ORANGE	GR48 (8mm)	CE36 (2mm)
8mm - 8.38mm	YELLOW	GR46 (6mm)	CE36 (2mm)
10mm - 10.38mm	WHITE	GR44 (4mm)	CE36 (2mm)

Note: For window & door systems requiring a co-extruded captive gasket on the external side of the glazed pocket, Santoprene is the recommended material to be applied.

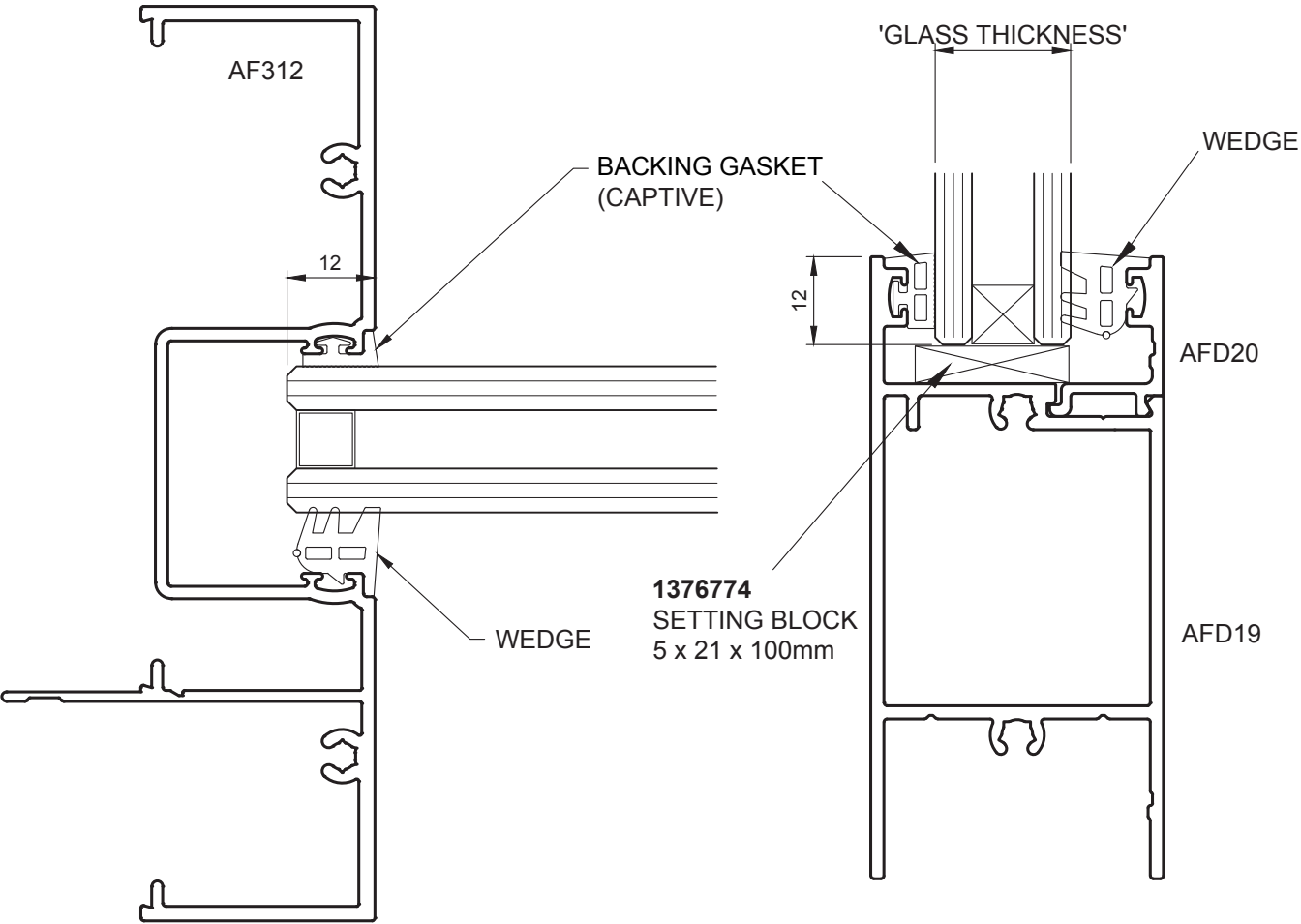
Single Glazed - Non Captive



	WEDGE INNER		WEDGE OUTER	
GLASS THICKNESS	ID COLOUR	REF. (GAP)	ID COLOUR	REF. (GAP)
4mm	YELLOW	GR46 (6mm)	YELLOW	GR46 (6mm)
5mm	YELLOW	GR46 (6mm)	BLUE	GR45 (5mm)
6mm - 6.38mm	BLUE	GR45 (5mm)	BLUE	GR45 (5mm)
8mm - 8.38mm	WHITE	GR44 (4mm)	WHITE	GR44 (4mm)
10mm - 10.38mm	PURPLE	GR42 (2.5mm)	BROWN	GR43 (3mm)

Note: For window & door systems requiring a co-extruded captive gasket on the external side of the glazed pocket, Santoprene is the recommended material to be applied.

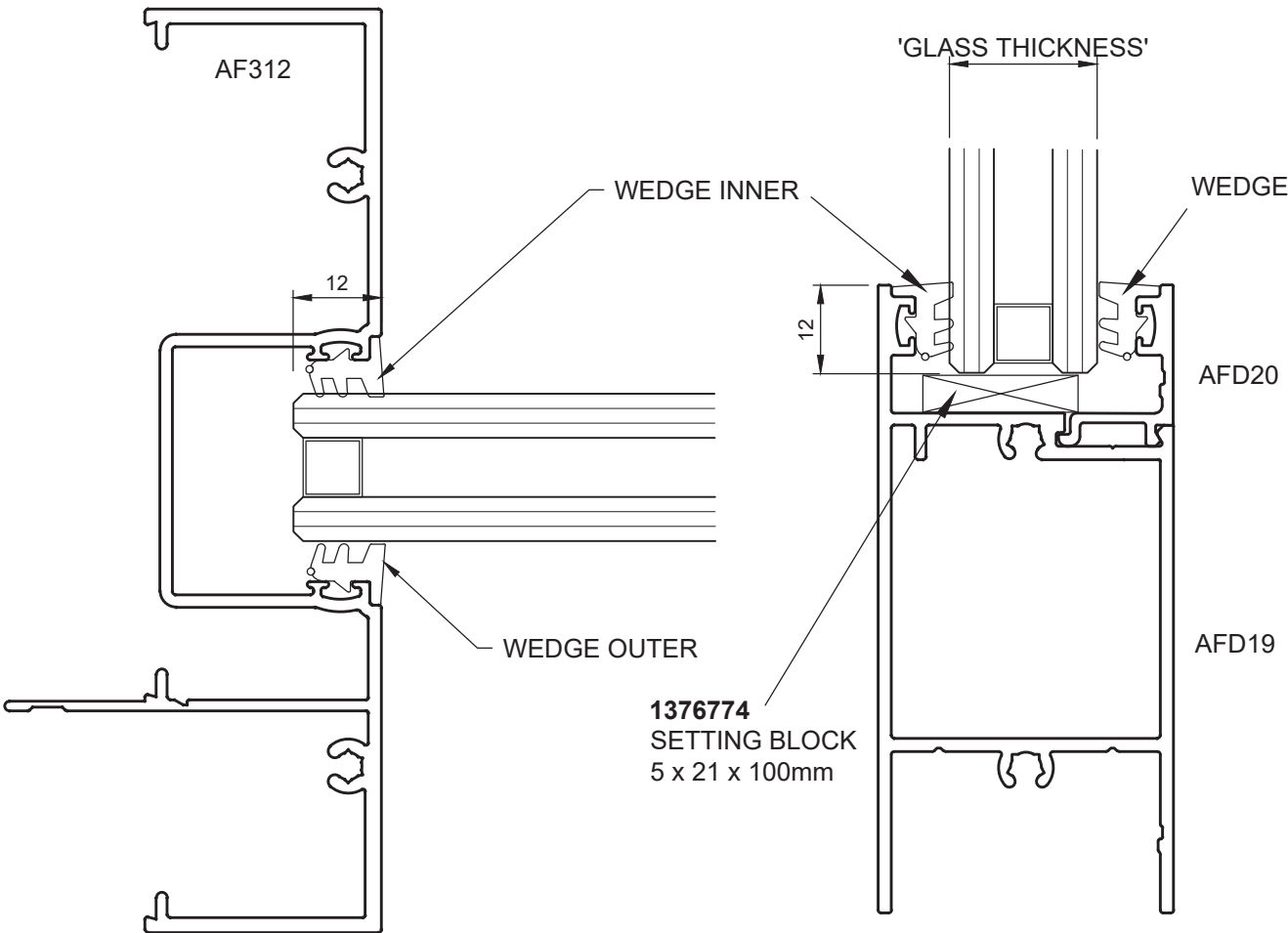
Double Glazed - Captive



	WEDGE		CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)
18mm	ORANGE	GR48 (8mm)	CE37 (4mm)
24mm	WHITE	GR44 (4mm)	CE36 (2mm)
25mm	BROWN	GR43 (3mm)	CE36 (2mm)

Note: For window & door systems requiring a co-extruded captive gasket on the external side of the glazed pocket, Santoprene is the recommended material to be applied.

Double Glazed - Non Captive



	WEDGE INNER		WEDGE OUTER	
GLASS THICKNESS	ID COLOUR	REF. (GAP)	ID COLOUR	REF. (GAP)
18mm	YELLOW	GR46 (6mm)	YELLOW	GR46 (6mm)
24mm	BROWN	GR43 (3mm)	BROWN	GR43 (3mm)
25mm	PURPLE	GR42 (2.5mm)	PURPLE	GR42 (2.5mm)

Note: For window & door systems requiring a co-extruded captive gasket on the external side of the glazed pocket, Santoprene is the recommended material to be applied.

FRAMING

Your new **Air-Flo Plus 125mm Framing** has 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 **Air-Flo Plus 125mm Framing** frame will retain it's good looks and resist the elements for years to come.

The **Air-Flo Plus 125mm Framing** 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 **Air-Flo Plus 125mm Framing** 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 **Air-Flo Plus 125mm Framing** 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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