



Carinya Select Bottom Rolling Bi Fold

Technical Manual
January 2025 | ISSUE C

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This page is intended to record all changes to the **CARINYA SELECT BOTTOM ROLLING BI-FOLD** technical manual pages.

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

[illegible]

2. Technical Specifications

ALUMINIUM

Aluminium frames should be manufactured using CARINYA SELECT BOTTOM ROLLING BI-FOLD framing system.

The maximum panel height - 2400mm o/a sash
The maximum panel width - 900mm o/a sash
The maximum panel weight - 40kg (F2 Hardware)
- 80kg (F3 Hardware)

GLAZING

Glass thickness is 4.0mm to 10.38mm single glazed
Glass thickness is 18.0mm to 24.0mm double glazed
Glazing wedges shall be ALSPEC's wedges to suit standard and captive glazing options, refer glazing pages 12.1 - 12.4.

HARDWARE

All hardware as per ALSPEC Technical Manual

FINISHES

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

TESTING

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

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

Fabricators of the CARINYA SELECT BOTTOM ROLLING BI-FOLD framing system should seek certification by a consultant structural engineer as to the framing being acceptable for the design wind pressure and deflection characteristics required of the site.

3. Loading Tables

Window Rating for Housing

WINDOW RATINGS	SERVICEABILITY (PA)		ULTIMATE LIMIT (PA)		WATER RESISTANCE	
	GENERAL	CORNER	GENERAL	CORNER	NON EXPOSED	EXPOSED
N1	400	600	600	900	150	200
N2	400	600	900	1300	150	200
N3	600	800	1400	2000	150	300
N4	800	1200	2000	3000	200	300
N5	1200	1800	3000	4500	300	450
N6	1600	2500	4000	6000	450	600
C1	600	800	1800	2700	150	300
C2	800	1200	2700	4000	200	300
C3	1200	1800	4000	5900	300	450
C4	1600	2500	5300	8000	450	600

Pressure table referenced from AS2047 - 2014 Table 2.1, 2.4 & 2.5

Corner Window & Doors are defined as having 25% or more of any panel or pane within 1200mm of an external corner of the building.

This table relates to Housing as defined in AS4055. The wind load requirements for residential and commercial buildings may be different and are determined by the building designer.

NOTE: It is the responsibility of the purchaser that nominates the window ratings required for the window and door assemblies.

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 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	1090	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 10 ³ mm ⁴	Panel Width		800	1000	1200	1400	1600

Diagram illustrating the steps to find the Maximum Design Pressure (Pa) for a door frame (2400mm high, 1000mm wide):

- STEP 1:** Locate the height (2400mm) in the Panel Height column.
- STEP 2:** Locate the width (1000mm) in the Panel Width column.
- STEP 3:** Determine the Maximum wind pressure based on the height and width. The value is 1450 Pa (Suction) and 2810 Pa (Uplift).

Tables are based on theoretical section properties. Contact ALSPEC for further assistance.

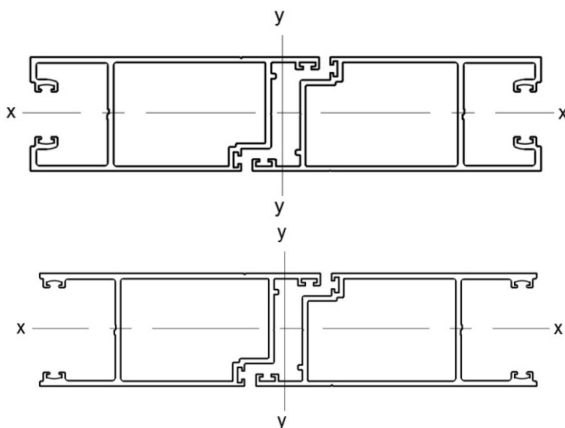
3. Loading Tables

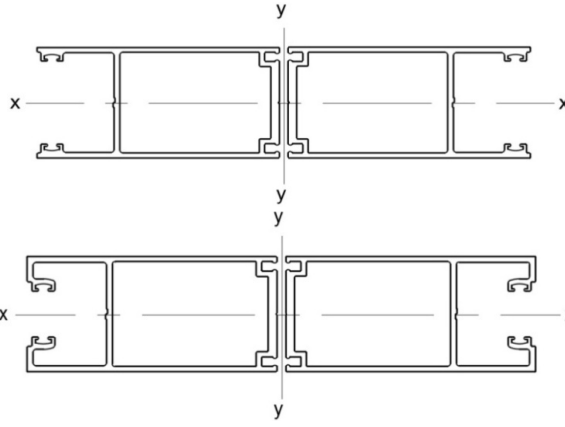
Loading Tables

Max Stress = 110Mpa

S = Serviceability limit state l/100

U = Ultimate limit state

MEETING STILES AFD16 / AFD16 or AFD21 / AFD21	Door Panel Height	Maximum Design Pressure (Pa)							
	2400	S	2820	2270	1910	1650	1460	1310	1190
		U	4990	4010	3370	2910	2570	2300	2100
	2300	S	3000	2580	2170	1880	1660	1500	1370
		U	5440	4380	3670	3170	2800	2520	2300
	2200	S	3000	2960	2490	2150	1910	1720	1570
		U	5950	4790	4020	3480	3080	2770	2530
	2100	S	3000	3000	2870	2490	2210	1990	1830
		U	6540	5270	4430	3830	3390	3060	2790
	2000	S	3000	3000	3000	2890	2570	2330	2140
		U	7220	5820	4890	4240	3760	3390	3110
$I_{xx} = 291.6 \times 10^3 \text{ mm}^4$	Door Panel Ctrs		400	500	600	700	800	900	1000

MEETING STILES AFD14 / AFD14 or AFD24 / AFD24	Door Panel Height	Maximum Design Pressure (Pa)							
	2400	S	2780	2240	1880	1630	1440	1290	1180
		U	5540	4460	3740	3230	2850	2560	2330
	2300	S	3000	2550	2140	1850	1640	1480	1350
		U	6040	4860	4080	3520	3110	2800	2550
	2200	S	3000	2920	2450	2130	1880	1700	1550
		U	6610	5320	4470	3860	3420	3070	2800
	2100	S	3000	3000	2830	2460	2180	1970	1800
		U	7260	5850	4910	4250	3770	3390	3100
	2000	S	3000	3000	3000	2860	2540	2300	2110
		U	8020	6460	5430	4710	4180	3770	3450
$I_{xx} = 287.8 \times 10^3 \text{ mm}^4$	Door Panel Ctrs		400	500	600	700	800	900	1000

Tables are based on theoretical section properties. Contact ALSPEC for further assistance.

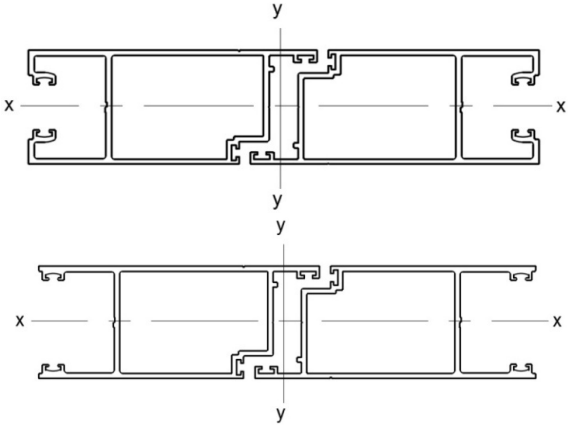
3. Loading Tables

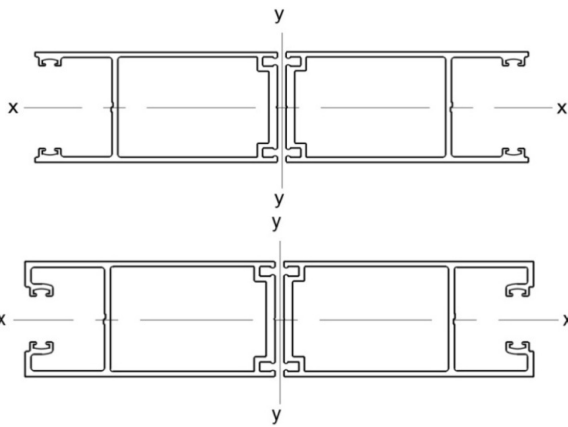
Loading Tables

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

MEETING STILES AFD16 / AFD16 or AFD21 / AFD21	Door Panel Height	Maximum Design Pressure (Pa)							
	2400	S	1130	900	760	660	580	520	470
		U	4990	4010	3370	2910	2570	2300	2100
	2300	S	1280	1030	870	750	660	600	540
		U	5440	4380	3670	3170	2800	2520	2300
	2200	S	1470	1180	990	860	760	690	630
		U	5950	4790	4020	3480	3080	2770	2530
	2100	S	1690	1360	1140	990	880	790	730
		U	6540	5270	4430	3830	3390	3060	2790
	2000	S	1960	1580	1330	1150	1030	930	850
		U	7220	5820	4890	4240	3760	3390	3110
$I_{xx} = 291.6 \times 10^3 \text{ mm}^4$	Door Panel Ctrs		400	500	600	700	800	900	1000

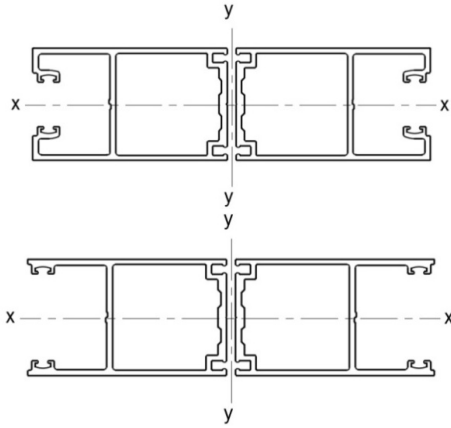
MEETING STILES AFD14 / AFD14 or AFD24 / AFD24	Door Panel Height	Maximum Design Pressure (Pa)							
	2400	S	1110	890	750	650	570	510	470
		U	5540	4460	3740	3230	2850	2560	2330
	2300	S	1260	1020	850	740	650	590	540
		U	6040	4860	4080	3520	3110	2800	2550
	2200	S	1450	1160	980	850	750	680	620
		U	6610	5320	4470	3860	3420	3070	2800
	2100	S	1670	1340	1130	980	870	780	720
		U	7260	5850	4910	4250	3770	3390	3100
	2000	S	1930	1560	1310	1140	1010	920	840
		U	8020	6460	5430	4710	4180	3770	3450
$I_{xx} = 287.8 \times 10^3 \text{ mm}^4$	Door Panel Ctrs		400	500	600	700	800	900	1000

Tables are based on theoretical section properties. Contact ALSPEC for further assistance.

3. Loading Tables

Loading Tables

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

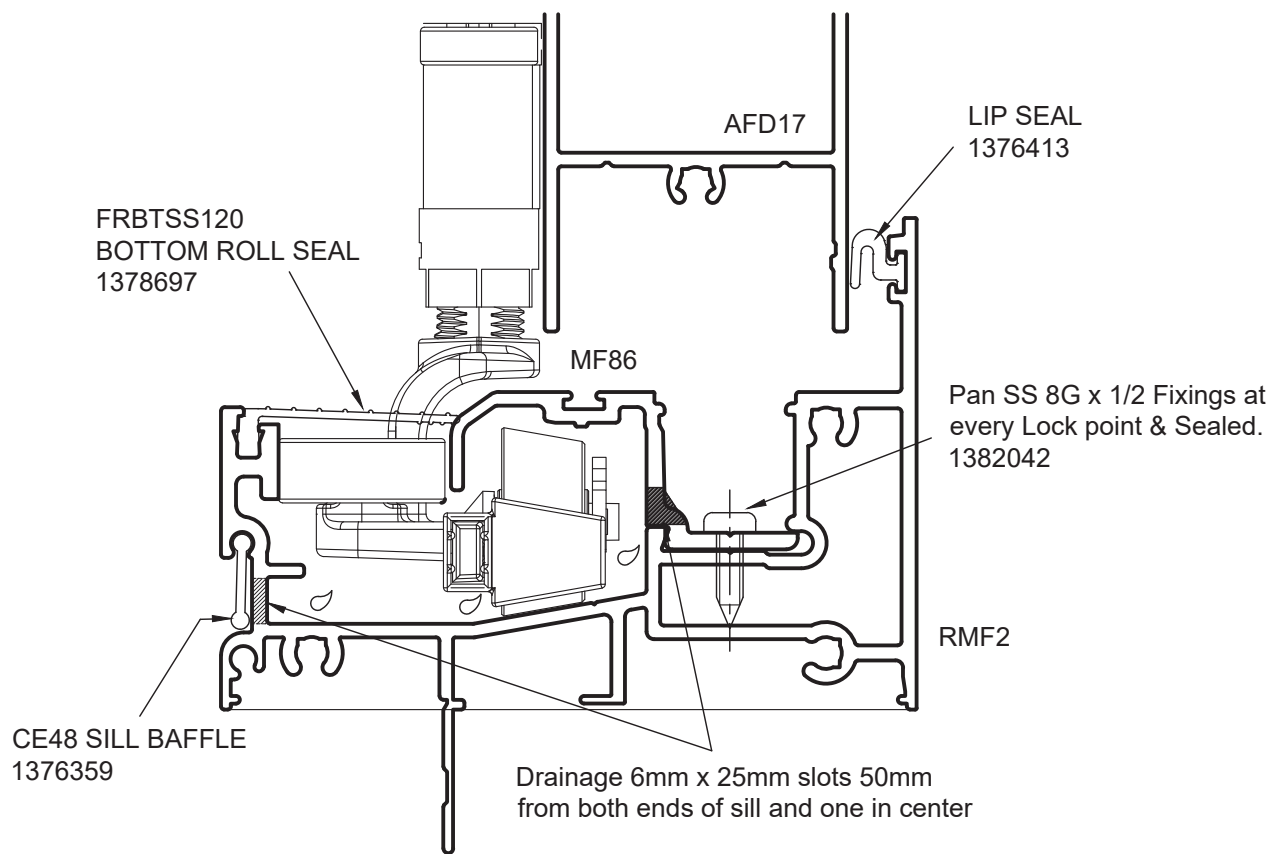
MEETING STILES AFD28 / AFD28 or AFD29 / AFD29	Window Height	Maximum Design Pressure (Pa)								
	1800	S	2960	2240	1810	1530	1330	1190	1080	990
		U	9000	8350	6740	5680	4940	4390	3980	3660
	1600	S	3000	3000	2600	2200	1930	1730	1580	1470
		U	9000	9000	8590	7270	6340	5670	5160	4780
	1400	S	3000	3000	3000	3000	2950	2670	2460	2310
		U	9000	9000	9000	9000	8460	7620	7000	6540
	1000	S	3000	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000	9000
	800	S	3000	3000	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000	9000	9000
$I_{xx} = 242.0 \times 10^3 \text{ mm}^4$	Window Panel Ctrs		300	400	500	600	700	800	900	1000

Tables are based on theoretical section properties. Contact ALSPEC for further assistance.

4. Test Summary

AS2047 - Door 2L & 2R

TEST REPORT:	AS13-200
SYSTEM CONFIGURATION	92mm BOTTOM ROLLING BI-FOLD DOOR 2L & 2R
TEST SAMPLE SIZE	2.1m high x 3.58m wide
SERVICEABILITY LOAD	+/- 1.5 kPa
ULTIMATE LOAD	+/- 2.3 kPa
WATER PENETRATION	207 Pa
AIR INFILTRATION	75Pa + 0.27L/m/s ² - 0.39L/m/s ²
	150Pa + 0.56L/m/s ² - 0.69L/m/s ²



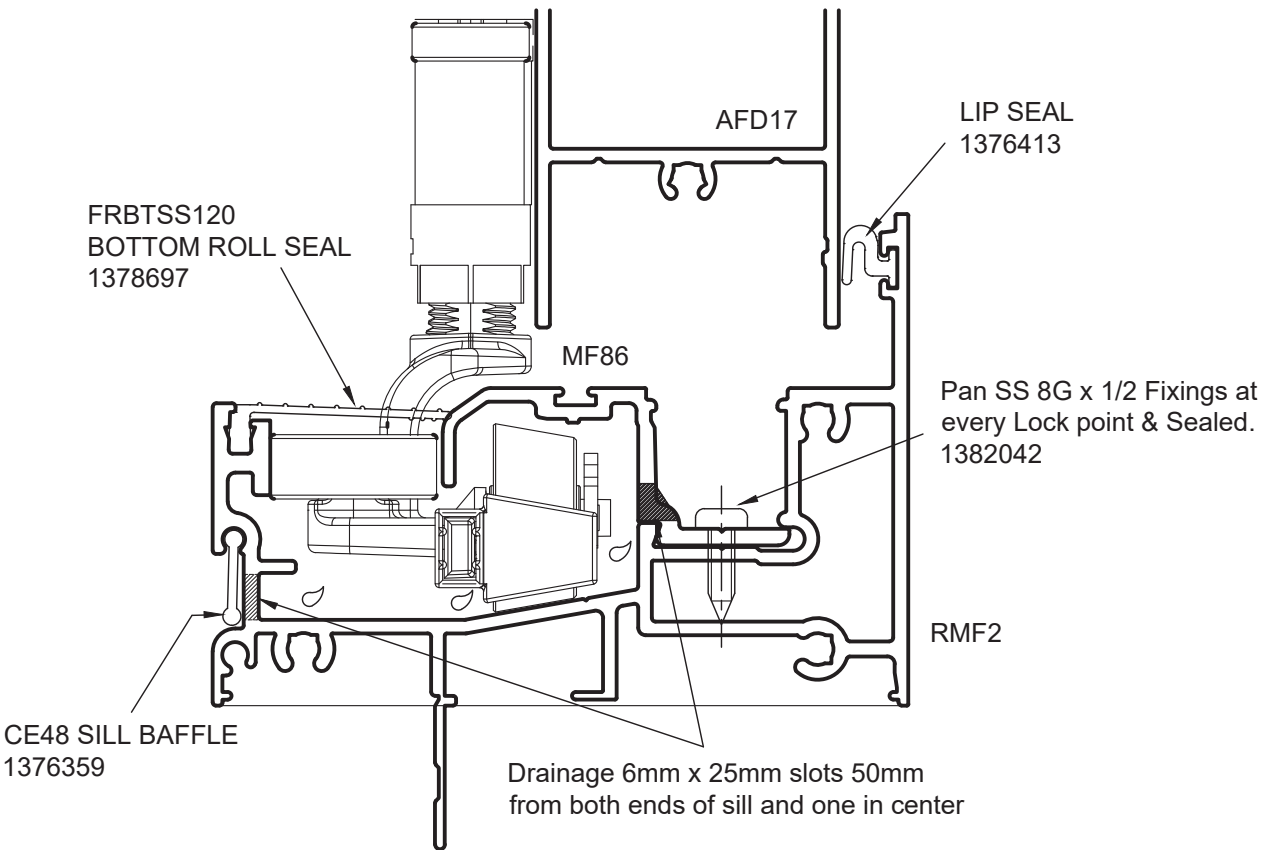
Note: The AS2047-2014 update has meant the previous test reports with deflection span of 1/150 for housing and 1/180 for residential is now updated to 1/250. Previous test reports remain valid for AS2047 - 2014 requirements.

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 - Door 3L & 1R

TEST REPORT:	AS14-198
SYSTEM CONFIGURATION	92mm BOTTOM ROLLING BI-FOLD DOOR 3L & 1R
TEST SAMPLE SIZE	2.1m high x 3.58m wide
SERVICEABILITY LOAD	+/- 1.0 kPa
ULTIMATE LOAD	+/- 1.5 kPa
WATER PENETRATION	156 Pa
AIR INFILTRATION	75Pa + 0.35L/m/s ² - 0.36L/m/s ² 75Pa + 0.49L/m/s ² - 0.74L/m/s ²



Note: The AS2047-2014 update has meant the previous test reports with deflection span of 1/150 for housing and 1/180 for residential is now updated to 1/250. Previous test reports remain valid for AS2047 - 2014 requirements.

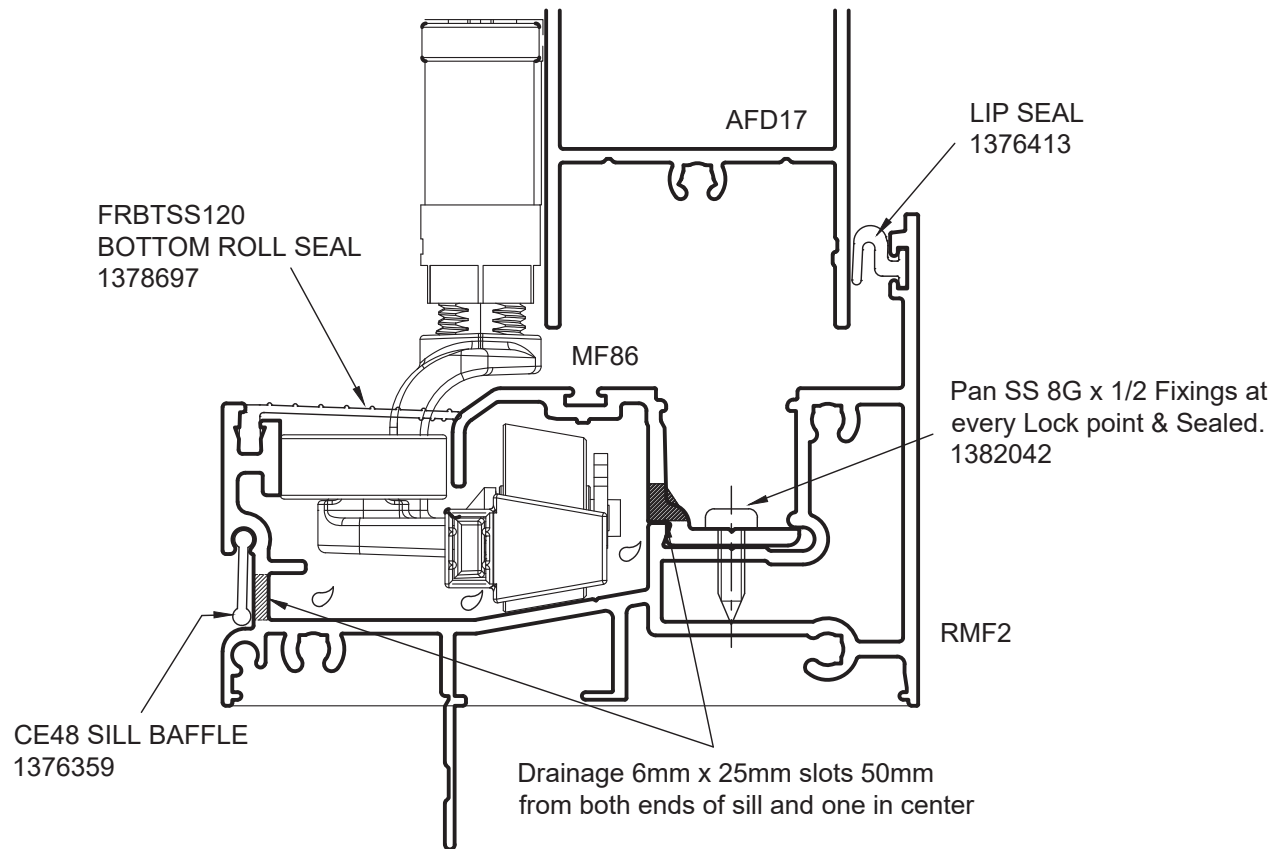
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Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please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

4. Test Summary

AS2047 - Door 3L

TEST REPORT:	AS13- 204
SYSTEM CONFIGURATION	92mm BOTTOM ROLLING BI-FOLD DOOR 3L
TEST SAMPLE SIZE	2.4m high x 2.7m wide
SERVICEABILITY LOAD	+/- 1.0 kPa
ULTIMATE LOAD	+/- 1.5 kPa
WATER PENETRATION	207 Pa
AIR INFILTRATION	75Pa + 0.35L/m/s ² - 0.35L/m/s ² 75Pa + 0.47L/m/s ² + 0.76L/m/s ²



Note: The AS2047-2014 update has meant the previous test reports with deflection span of 1/150 for housing and 1/180 for residential is now updated to 1/250. Previous test reports remain valid for AS2047 - 2014 requirements.

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

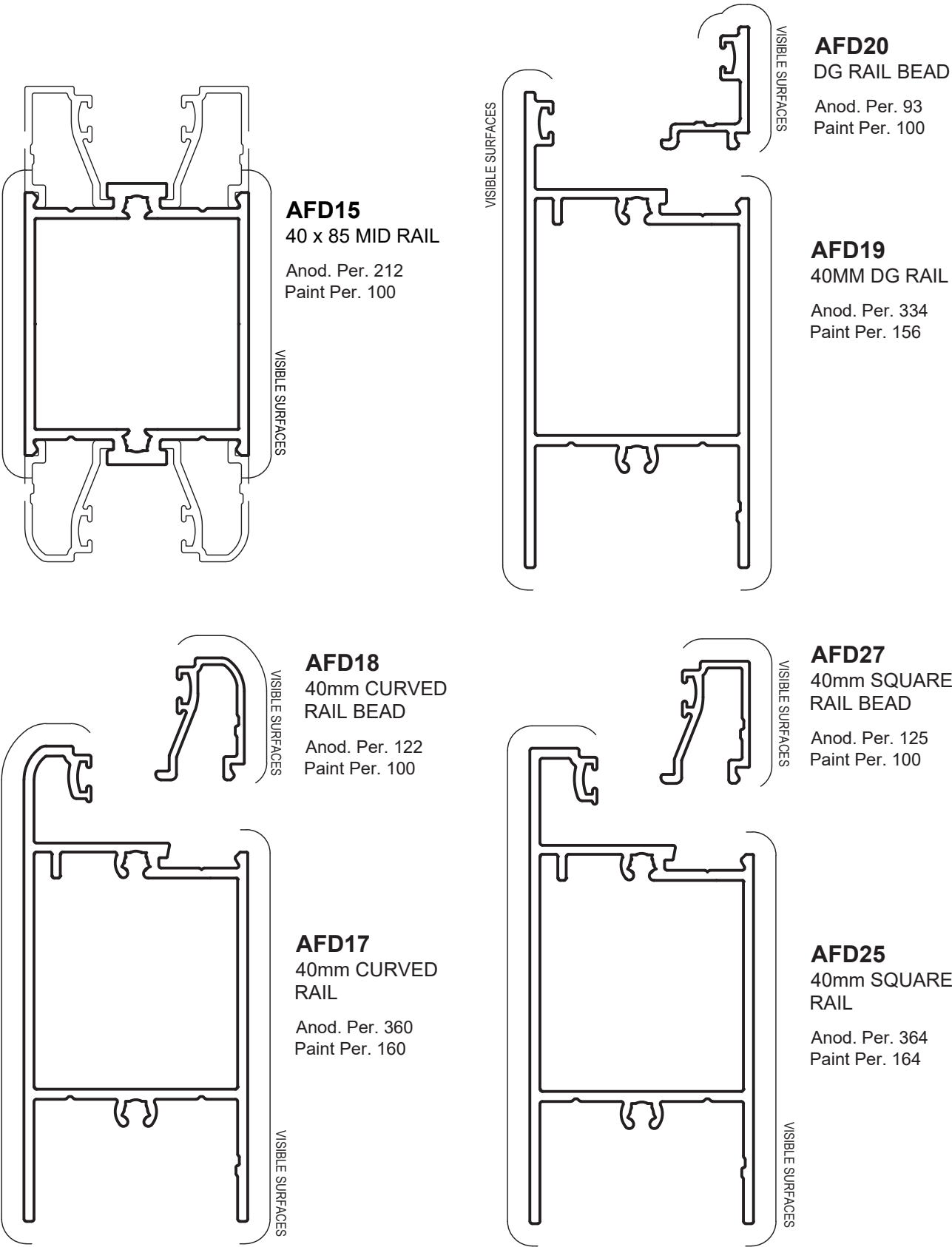
4. Test Summary

Acoustic - AS/NZS ISO 717.1

TEST REPORT	PRODUCT DESCRIPTION	SIZE	GLASS	SEALS	STC	Rw
4863-17	92mm Select Carinya Bi-Fold	2.1m (H) x 1.8m (W)	6.38mm CLEAR LAMINATE	1376413	29	29 (Ct:-1, Ctr -2)

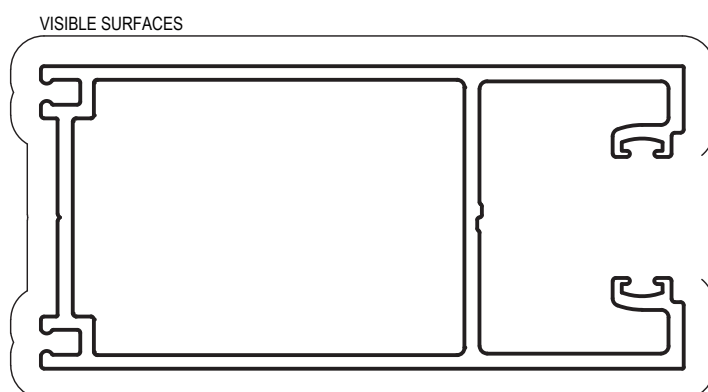
5. Extrusions

Rails



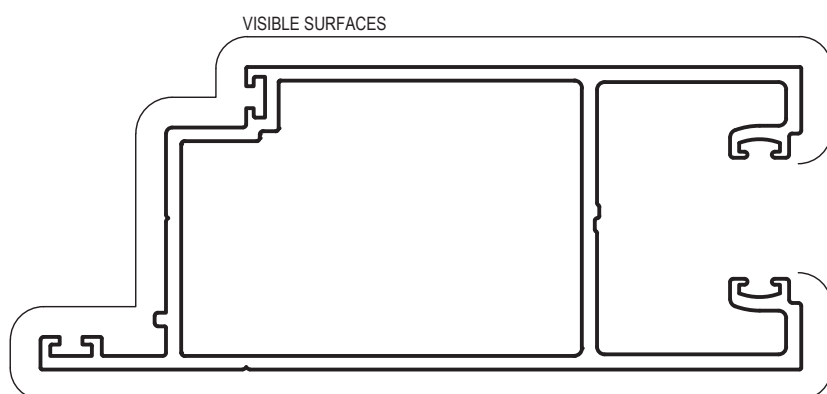
5. Extrusions

Stiles



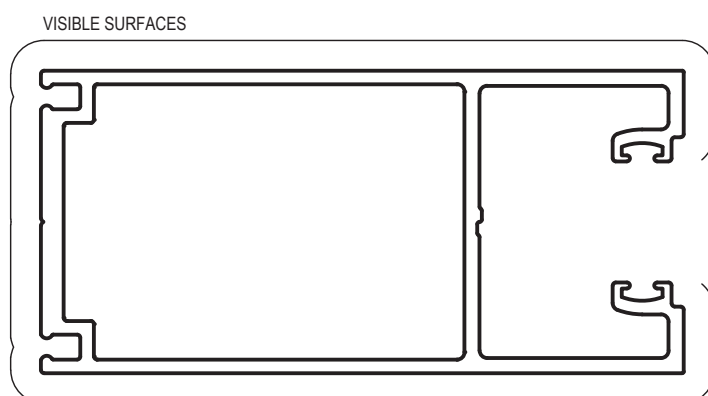
AFD22
40mm LOCK STILE

Anod. Per. 409
Paint Per. 253



AFD16
40mm MEETING STILE

Anod. Per. 440
Paint Per. 285



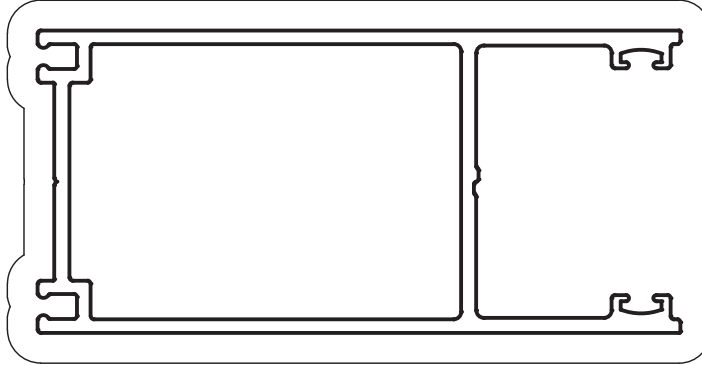
AFD24
40mm HINGE STILE

Anod. Per. 405
Paint Per. 249

5. Extrusions

Stiles

VISIBLE SURFACES



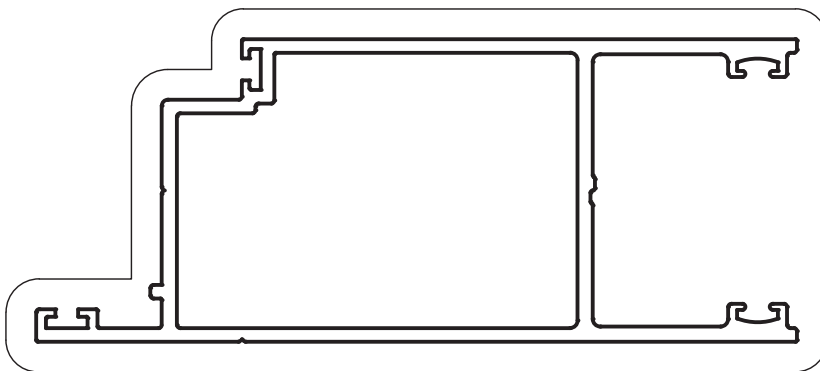
AFD12

40mm DG LOCK STILE

Anod. Per. 354

Paint Per. 239

VISIBLE SURFACES



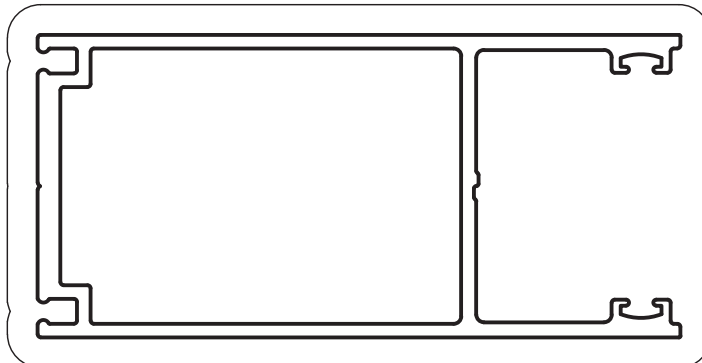
AFD21

40mm DG MEETING STILE

Anod. Per. 386

Paint Per. 271

VISIBLE SURFACES



AFD14

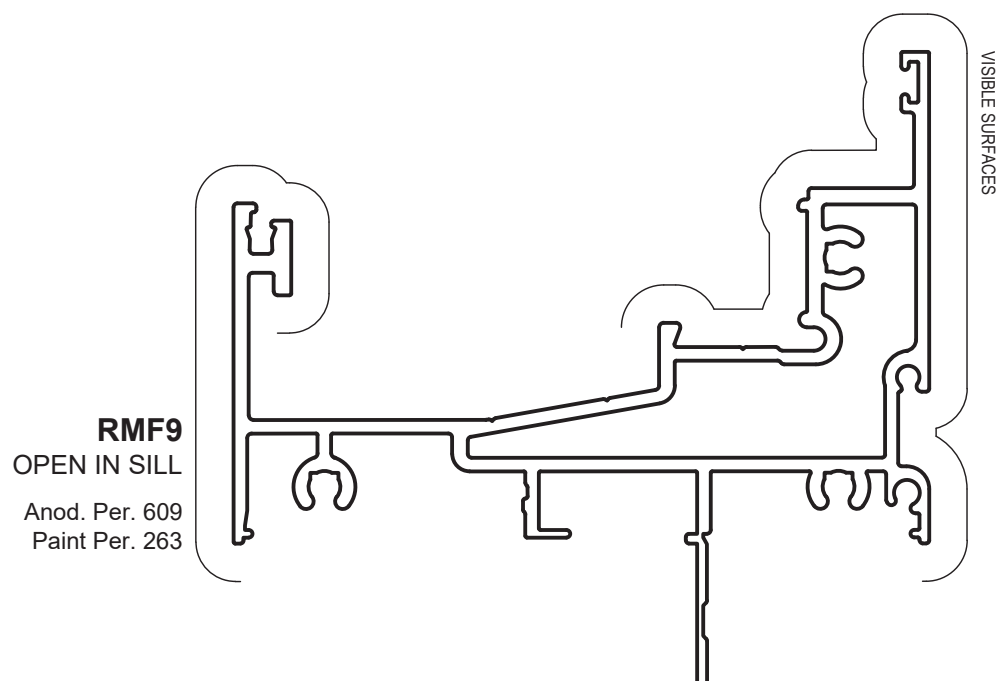
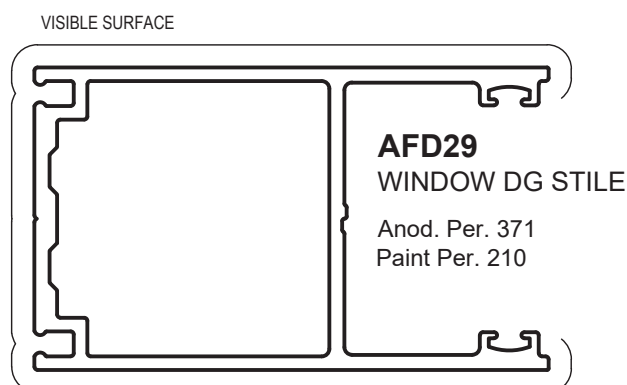
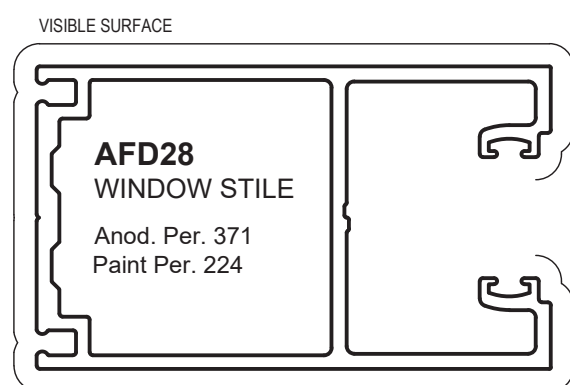
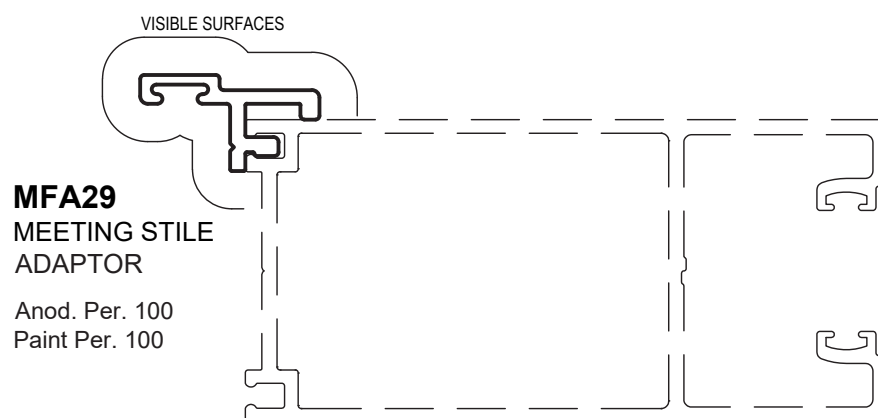
40mm DG HINGE STILE

Anod. Per. 350

Paint Per. 235

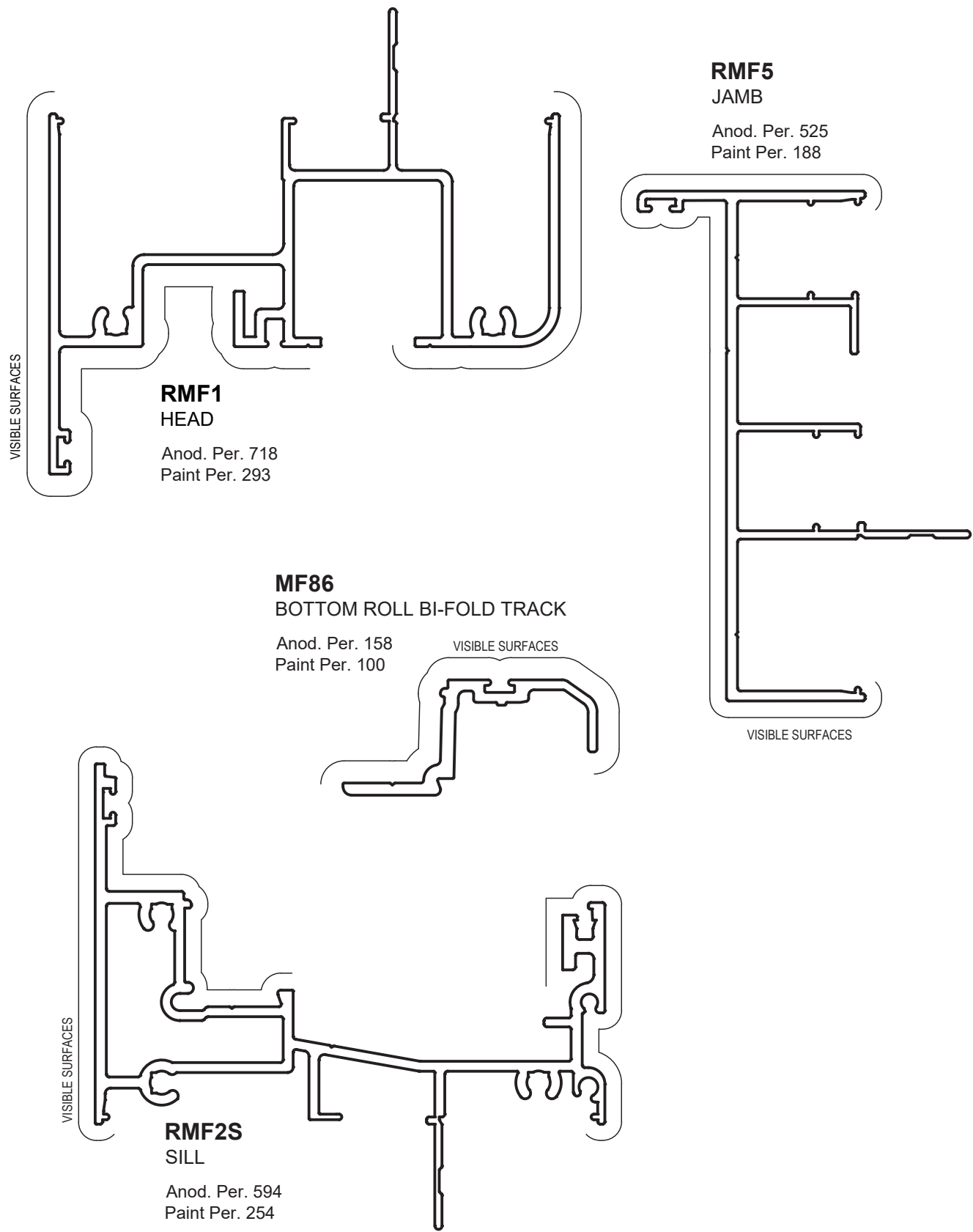
5. Extrusions

Stiles



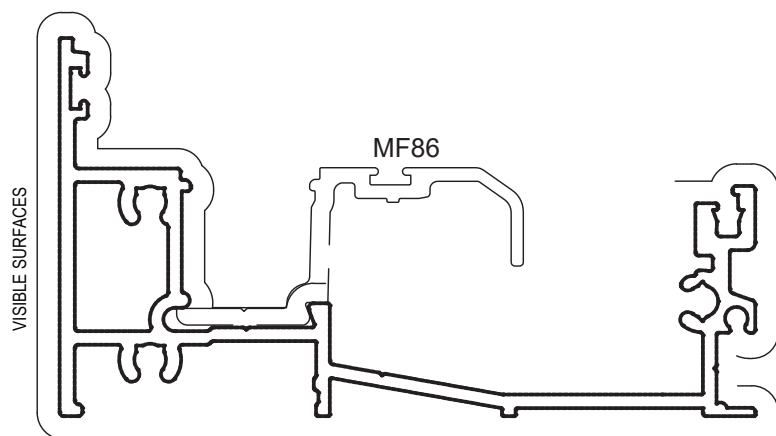
5. Extrusions

Framing



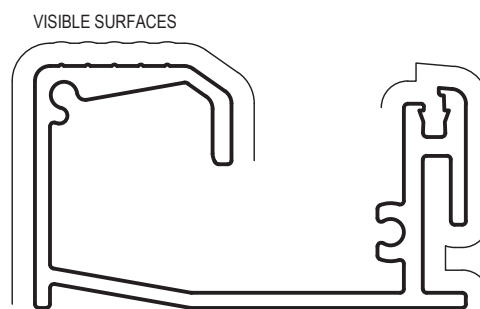
5. Extrusions

Framing



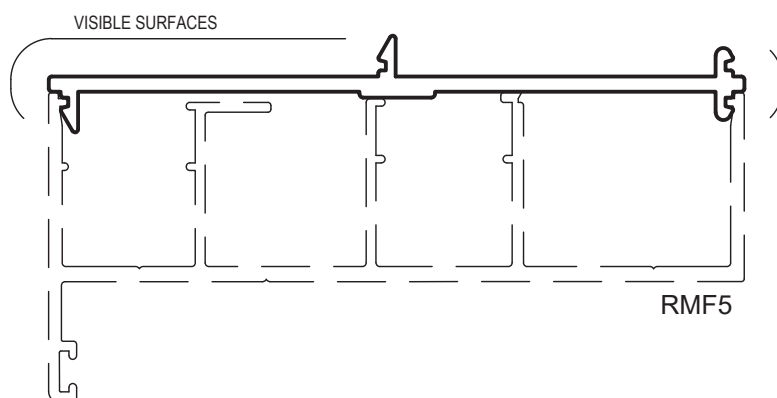
RMF3S
LOW SILL

Anod. Per. 456
Paint Per. 219



RMF7
RECESS SILL

Anod. Per. 349
Paint Per. 290



RCB8
50mm - 92mm COUPLER

Anod. Per. 226
Paint Per. 100

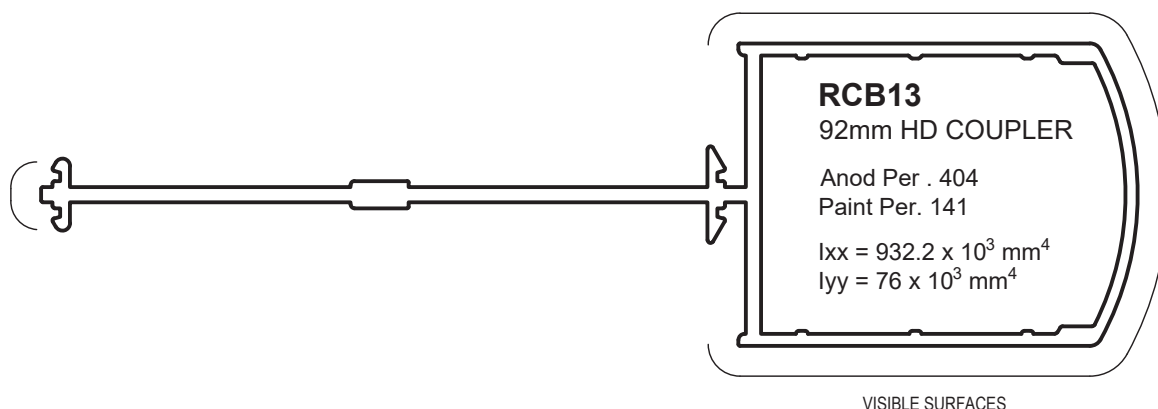
$I_{xx} = 170.1 \times 10^3 \text{ mm}^4$
 $I_{yy} = 0.4 \times 10^3 \text{ mm}^4$



RCB7
92mm COUPLER

Anod. Per. 226
Paint Per. 100

$I_{xx} = 156.3 \times 10^3 \text{ mm}^4$
 $I_{yy} = 0.2 \times 10^3 \text{ mm}^4$



RCB13
92mm HD COUPLER

Anod Per. 404
Paint Per. 141

$I_{xx} = 932.2 \times 10^3 \text{ mm}^4$
 $I_{yy} = 76 \times 10^3 \text{ mm}^4$

Glazing Wedges

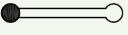
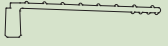
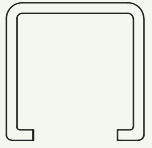
IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	3mm	PVC	1313055	GR43 GLAZING WEDGE (BROWN) (3mm GAP) PVC x 200m ROLL
		S/PRENE	1313063	GR43S GLAZING WEDGE (BROWN) (3mm GAP) S/PRENE x 200m ROLL
	4mm	PVC	1313056	GR44 GLAZING WEDGE (WHITE) (4mm GAP) PVC x 200m ROLL
		S/PRENE	1313064	GR44S GLAZING WEDGE (WHITE) (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	1313079	CE36 CO-EXT BACKING GASKET (2mm GAP) PVC x 100m ROLL
		S/PRENE	1313080	CE36S CO-EXT BACKING GASKET (2mm GAP) S/PRENE x 100m ROLL
	4mm	PVC	1313081	CE37 CO-EXT BACKING GASKET (4mm GAP) PVC x 100m ROLL
		S/PRENE	1313082	CE37S CO-EXT BACKING GASKET (4mm GAP) S/PRENE x 100m ROLL

6. Hardware & Components

Components

IMAGE	PART #	FINISH	DESCRIPTION
	1376359	BLACK (034)	CE48 CO-EXT BAFFLE (13.5mm HEIGHT) x 500m ROLL
	1376411	BLACK (034)	AFD002FR 40mm HINGE DOOR SEAL FIRE RESISTANT x 250m
	1377414	BLACK (034)	PS13 13mm FRINGE PILE x 100m
	1377410		PS13 13mm FRINGE PILE x 500m
	1376323	BLACK (034)	CE23 CO-EXT WEATHER SEAL x 200m ROLL
	1376324		CE23 CO-EXT WEATHER SEAL x 1m
	1376413	BLACK (034)	LIP SEAL 4.8mm x 200m
	1377084	BLACK (034)	PB69-675-4P WEATHERSEAL x 100m BLACK PS10
	1313110	BLACK (034)	SILL FLAP x 150m
	1378697	BLACK (034)	FRBTSS120 BOTTOM ROLL SEAL x 20m
	1378703	BLACK (034)	FRTPC36P TOP GUIDE CHANNEL x 3.73m
	1378698		FRTPCS57P TOP GUIDE CHANNEL x 5.83m
	1385513	BLACK (034)	TESA 60202 1.6 PVC FOAM 9mm x 45.7m SINGLE SIDED
	1385514	BLACK (034)	TESA 60402 12mm x 1.6mm DOUBLE SIDED PVC FOAM TAPE x 61m

Frame Joint Gaskets

PART #	DESCRIPTION	FINISH	TO SUIT
1315111	RMFA2 BOT ROLL HEAD / SILL GASKET X ROLL (445 PAIRS / ROLL)	BLACK (034)	HEAD - RMF1 SILL - RMF2S
1315110	RMFA6 TOP ROLL LOW SILL GASKET x ROLL (445 PAIRS / ROLL)	BLACK (034)	LOW SILL - RMF3S

Fasteners

SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382644	SQUARE #2	10g x 1 (25mm) 304SS SQ #2 PAN S/TAP SCREW x 1000	FRAME / SPIGOT FIXING / MFA6
1382054	PHILLIPS #2	10g x 1 (25mm) SS PHIL PAN S/TAP SCREW x 500	
1382022	PHILLIPS #2	8g x 1/2 (13mm) SS PHILLIPS U/CUT SELF TAPPING x 1000	HINGE FIXINGS
1382630	SQUARE #2	6g x 1/2 (13mm) 304SS SQ #1 PAN S/TAP SCREW x 1000	MF75A COMBO FIXING CLIP
1382030	PHILLIPS #2	6g x 1/2 (13mm) SS PHIL PAN SELF TAPPING x 1000	
1382636	SQUARE #2	8g x 1/2 (13mm) 304SS SQ #2 PAN S/TAP SCREW x 1000	MF86 INTO RMF2 SILL
1382042	PHILLIPS #2	8g x 1/2 (13mm) SS PHILLIPS PAN S/TAP SCREW x 1000	

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 10.12 to page 10.13

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

6. Hardware & Components

OPS Striker Options



OPTIMUM STRIKE BOX TO SUIT OPS STRIKES	
PART	1304659
FINISH	BLACK (034)
QTY	EACH



OPTIMUM 60mm DOUBLE SIDED STRIKE OPS003SS	
PART	1304657
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



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



OPTIMUM 12mm DOUBLE SIDED STRIKE OPS001SS	
PART	1304658
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH

Twin Bolt Lock Kits - Killara Optimum

KILLARA TWIN BOLT LOCK KITS						
	KILLARA TWINBOLT NONLOCK 1x1m 1x1.3m RODS SS TIPS					
	PART	1344018	FINISH	BLACK (034)	QTY	EACH
	KILLARA TWINBOLT NONLOCK 1x1m 1x1.3m RODS SS TIPS					
	PART	1344014	FINISH	SATIN CHROME (094)	QTY	EACH
	KILLARA TWINBOLT LOCKING 1x1m / 1x1.3m RODS NO CYLINDER SS TIPS SC					
	PART	1344011	FINISH	BLACK (034)	QTY	EACH
	KILLARA TWINBOLT LOCKING 1x1m / 1x1.3m RODS NO CYLINDER SS TIPS SC					
	PART	1344012	FINISH	SATIN CHROME (094)	QTY	EACH

STANDARD TIPS ALSO AVAILABLE
- CONTACT YOUR LOCAL ALSPEC BRANCH

Machining Detail page 10.5



MORE KEY OPTIONS AVAILABLE -
CONTACT YOUR LOCAL ALSPEC
BRANCH

TWINBOLT CYLINDER ONLY 70C4CYLJ031 A01

PART	1346621
FINISH	SATIN CHROME (094)
QTY	EACH



SUITS OPTIMUM DOOR LOCK &
KILLARA TWIN BOLTS

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 KILLARA TWIN
BOLT AND OPTIMUM LOCKS ONLY

STAINLESS STEEL D ROD TIP 65mm x 1 P9731

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

6. Hardware & Components

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

Machining Detail page 10.20

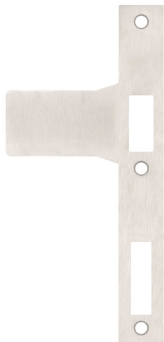


VERTA 4PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT	
PART	1308458
FINISH	PVD BLACK (034)
QTY	KIT



VERTA 4PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT	
PART	1308463
FINISH	MATT BLACK (0G7)
QTY	KIT

Machining Detail page 10.20



Ordered
seperatley, does
not come with the
lock kits

SCHLAGE 60mm STRIKE 3317-60	
PART	1304734
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



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)

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 10.23



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 Doors closing onto Jambes
Ordered seperatley, does not come with the lock kits

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



Use for French Doors or Meeting Stiles
Ordered seperatley, does not come with the lock kits

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

6. Hardware & Components

Brio Hinge Door Mortice Lock and Furniture



SCHLAGE 2PT LOCK 30mm BACKSET WITHOUT STRIKE 2802/3

PART	1304730
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



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 SS

PART	1304113
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET



BRIO 288 MAGNETIC LEVER HANDLE SET DOUBLE CYLINDER SN

PART	1304119
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET



BRIO 828SN MAGNETIC DOOR HOLDER SN

PART	1304120
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET

BRIO 288 LEVER HANDLE SET DOUBLE CYLINDER BLACK

PART	1304114
FINISH	BLACK (034)
QTY	EACH

BRIO 288 MAGNETIC LEVER HANDLE SET DOUBLE CYLINDER BLACK

PART	1304118
FINISH	BLACK (034)
QTY	EACH

BRIO 828PBK MAGNETIC DOOR HOLDER

PART	1304121
FINISH	BLACK (034)
QTY	EACH



VIRTUS HINGED LOCK 12mm STRIKE LH&RH

PART	1308450
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

Brio Twin Point Locks



BRIO 286 DUAL POINT LOCK SS HANDLE 3.5m RODS SS TIP	
PART	1304101
FINISH	SATIN S/LESS STEEL (0A6)
QTY	KIT
BRIO 286 DUAL POINT NON LOCKING SS HANDLE 2.5m RODS SS TIP	
PART	1304102
FINISH	SATIN S/LESS STEEL (0A6)
QTY	KIT
BRIO 286 DUAL POINT NON LOCKING SS HANDLE 3.5m RODS SS TIP	
PART	1304103
FINISH	SATIN S/LESS STEEL (0A6)
QTY	KIT

BRIO 286 DUAL POINT LOCK BLK HANDLE 3.5m RODS SS TIP	
PART	1304116
FINISH	BLACK (034)
QTY	KIT
BRIO 286 DUAL POINT NON LOCKING BLK HANDLE 2.5m RODS SS TIP	
PART	1304106
FINISH	BLACK (034)
QTY	KIT
BRIO 286 DUAL POINT NON LOCKING BLK HANDLE 3.5m RODS SS TIP	
PART	1304107
FINISH	BLACK (034)
QTY	KIT

BRIO 286 DUAL POINT LOCK SC HANDLE 3.5m RODS SS TIP	
PART	1304109
FINISH	SATIN CHROME (094)
QTY	KIT
BRIO 286 DUAL POINT NON LOCKING SC HANDLE 2.5m RODS SS TIP	
PART	1304110
FINISH	SATIN CHROME (094)
QTY	KIT
BRIO 286 DUAL POINT NON LOCKING SC HANDLE 3.5m RODS SS TIP	
PART	1304111
FINISH	SATIN CHROME (094)
QTY	KIT

Machining Detail page 10.19



BRIO 286DL TWIN POINT DUAL LOCK SS HANDLE 3.5 RODS SS TIP NC	
PART	1304245
FINISH	SATIN S/LESS STEEL (0A6)
QTY	KIT

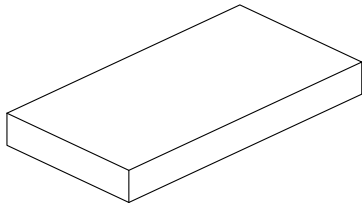
6. Hardware & Components

Lock Hardware Selection Chart

LEADING DOOR PANEL (AFD22 or ADF12) SINGLE HINGE DOOR LOCK TYPE CONFIGURATION			
OPTION 1 - HDS	DESCRIPTION	KIT CODE	INCLUDES
	Single Door - Standard 2 point killara XTRA kit with handle level set, double cylinder & 30mm backset.	1344016	Killara XTRA kit includes optimum lock handles & strike
OPTION 2 - HDS	DESCRIPTION	KIT CODE	INCLUDES
	Single door - 4 point killara XTRA kit with handle lever set, double cylinder & 30mm backset includes rods & standard black tips.	1344005	Killara 4 point kit includes optimum lock handles, strikes & rod (1m+ 1.3m + standard black tips)
		KIT CODE	REQUIRES
		1360180 to 1360189	Alspec fixed cam 62mm Euro cylinder (QTY: 1)
		1315105	AFD001 Flush bolt guide (QTY: 2)
OPTIONAL	DESCRIPTION	CODE	INCLUDES
	Enclosed strike box	1304659	OPS strike box to suit Optimum strike
	Optimum 4 point 40mm bucket (body only)	1304674	Optimum 4 point hinged 13mm bolt 40BS
	Brio 288 lever handle set double cylinder stainless steel	1304113	Lever furniture stainless steel

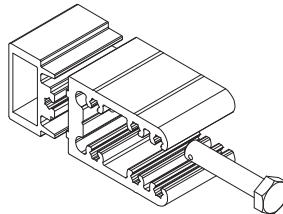
MEETING STILE DOOR PANEL (AFD16 or AFD21)			
OPTION 1	DESCRIPTION	CODE	INCLUDES
	Double Door - Standard 2 point killara XTRA kit with handle level set, double cylinder & 30mm backset. Flush bolt offset in non active panel.	1344016	Killara XTRA kit includes optimum lock handles & strike
		CODE	REQUIRED
		1345320	P33121strike no tongue (QTY: 1) Replaces standard strike in kit)
		1345050 or 1345052	Flush bolt offset 300mm (QTY: 2) or 600mm offset.
		1313105	AFD001 flush bolt guide (QTY: 2)
		1360180 to 1360189	Alspec fixed cam 62mm Euro cylinder (QTY: 1)
OPTION 2	DESCRIPTION	CODE	INCLUDES
	Double door - 4 point killara XTRA kit with handle lever set, double cylinder & 30mm backset includes rods & standard black tips. Flush bolt offset in non active panel.	1344005	Killara XTRA 4 point kit includes optimum lock handles, strikes & rod (1m + 1.3m + standard black tips)
		CODE	REQUIRES
		1345320	P33121 strike no tongue (QTY: 1) Replaces standard strike in kit)
		1315105	AFD001 Flush bolt guide (QTY: 2)
		1345050 or 1345052	Flush bolt offset 300mm (QTY: 2) or 600mm offset.
		1360180 - 1360189	Alspec fixed cam 62mm euro cylinder (QTY: 1)
OPTIONAL	DESCRIPTION	CODE	INCLUDES
	Enclosed strike box	1304659	OPS strike box to suit Optimum strike
	Optimum 4 point 40mm bucket (body only)	1304674	Optimum 4 point hinged 13mm bolt 40BS
	Brio 288 lever handle set double cylinder stainless steel	1304113	Lever furniture stainless steel

Accessories



SETTING BLOCK 5 x 21 x 100mm x BOX OF 100

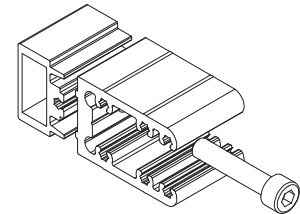
PART	1376774
FINISH	BLACK (034)
QTY	100 PER BOX



Note: Registered Design

AD1035H 40mm HINGE DOOR SPIGOT HEX (SET 4)

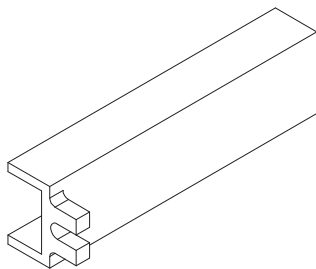
PART	1315090
FINISH	NON SPECIFIED (099)
QTY	4 SPIGOTS IN 1 SET



Note: Registered Design

AD1035S 40mm HINGE DOOR SPIGOT SOCKET (SET 4)

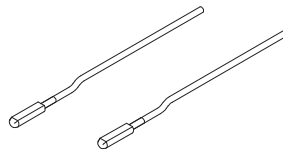
PART	1315091
FINISH	NON SPECIFIED (099)
QTY	4 SPIGOTS IN 1 SET



Note: Registered Design

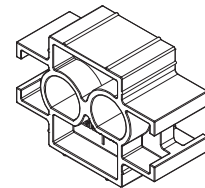
MFA6 GLASS SUPPORT BLOCK

PART	1315094
FINISH	BLACK (034)
QTY	EACH



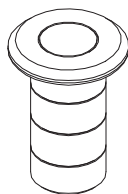
OPTIMUM RODS SCREW IN 1m & 1.3m RODS WITH STD TIPS P33096

PART	1345018
FINISH	NON SPECIFIED (099)
QTY	EACH



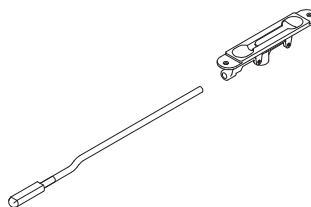
AFD001 FLUSH BOLT GUIDE

PART	1315105
FINISH	BLACK (034)
QTY	EACH



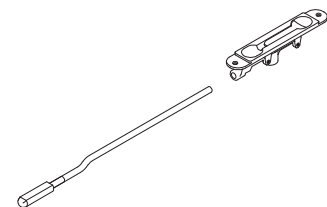
FLUSH BOLT UNIVERSAL FLOOR FERRULE 8402SS

PART	1360048
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



FLUSH BOLT OFFSET 300mm INC ROD GUIDES P3530D HAWK

PART	1345050
FINISH	BLACK (034) SATIN CHROME (094)
QTY	EACH

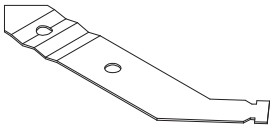


FLUSH BOLT OFFSET 600mm INC ROD GUIDES P3531D HAWK

PART	1345052
FINISH	BLACK (034) SATIN CHROME (094)
QTY	EACH

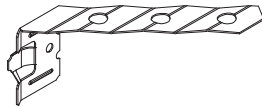
6. Hardware & Components

Accessories



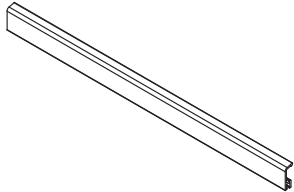
BRICK LUG (TWIST IN TYPE) M185-6

PART	1315100
FINISH	NON SPECIFIED (099)
QTY	EACH



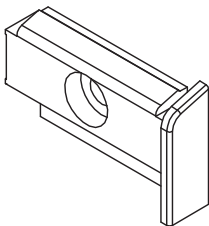
BRICK LUG (NAIL FIN TYPE) D21

PART	1315101
FINISH	NON SPECIFIED (099)
QTY	EACH



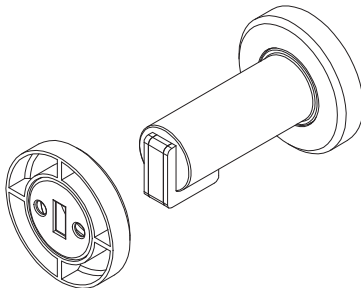
MF75 WEATHERSEAL-SNAP ON COVER

PART	1604817
FINISH	POWDERCOAT OR ANODISED
QTY	3m LENGTH



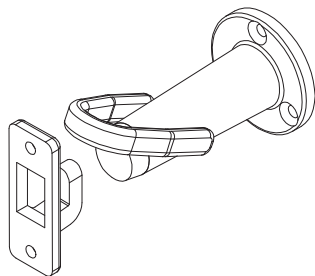
MFA75 END CAP COMPONENT

PART	1378995
FINISH	BLACK (034)
QTY	EACH



378982 MAGNETIC DOOR HOLDER

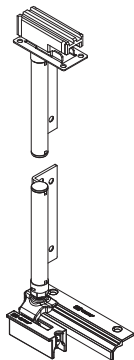
PART	1378982
FINISH	NATURAL (0F8)
QTY	EACH



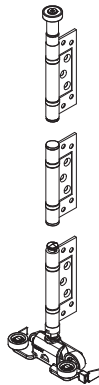
HAWK HOLD OPEN SKIRT MOUNT DOOR STOP

PART	1378963
FINISH	BLACK (034) SATIN CHROME (094)
QTY	EACH

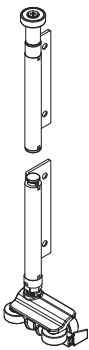
F2 Hardware (40kg)



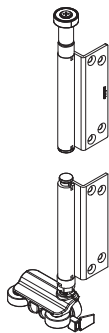
F2PSS F2 PIVOT SET	
PART	1378692
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET



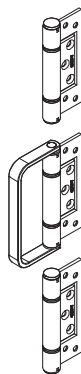
F2ICSS F2 INTER CARRIER SET	
PART	1378690
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET



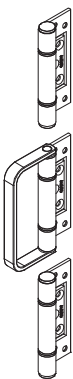
F2LCSS F2 LEFT CARRIER SET	
PART	1378691
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET



F2RCSS F2 RIGHT CARRIER SET	
PART	1378693
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET



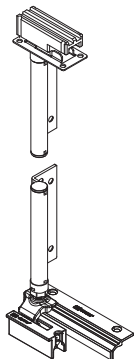
E2AHS HINGE SET WITH HANDLE	
PART	1378625
FINISH	SATIN S/LESS STEEL (0A6) BLACK (034)
QTY	SET



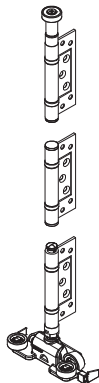
E2AHHS HALF OFFSET HINGE SET/ HDL	
PART	1378627
FINISH	SATIN S/LESS STEEL (0A6) BLACK (034)
QTY	SET

6. Hardware & Components

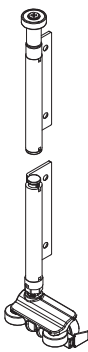
F3 Hardware (80kg)



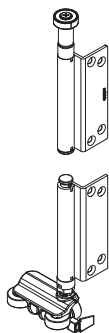
F3PSS F3 PIVOT SET	
PART	1378695
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET



F3ICSS F3 INTER CARRIER SET	
PART	1378699
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET



F3LCSS F3 LEFT CARRIER SET	
PART	1378694
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET



F3RCSS F3 RIGHT CARRIER SET	
PART	1378696
FINISH	SATIN S/LESS STEEL (0A6)
QTY	SET

6. Hardware & Components

F2 Hardware Selection Chart - Outward Opening (up to 40kg per panel)

		F2 PIVOT SET #1378692	E2AHS HINGE SET WITH HANDLE #1378625	E2AHS HALF OFFSET HINGE SET/ HDL #1378627	F2 RIGHT CARRIER SET #1378693	F2 INTER CARRIER SET #1378690	F2 LEFT CARRIER SET #1378691	KILLARA HANDLE CARRIER SET # 1344016 / #1304672	OFFSET FLUSH BOLT (300mm) #1345050	KILLARA TWIN BOLT #1344004 / #1344059 / #1344060
Door Config.	2L	1	1		1					1
	2R	1	1				1			1
	1L,2R	2	1				1	1		1
	2L,1R	2	1		1			1		1
	3L or 3R	1		1		1		1		1
	1L,3R	2		1		1		1	1	1
	3L,1R	2		1		1		1	1	1
	2L,2R	2	2		1		1			2
	4L	1		2	1	1				2
	4R	1		2		1	1			2
	1L,4R	2		2		1	1	1		2
	4L,1R	2		2	1	1		1		2
	2L,3R	2	1	1	1	1		1		2
	3L,2R	2	1	2		1	1	1		2
	5L or 5R	1	1	1		2		1		2
	3L,3R	2		2		2		1	1	2
	3L,4R	2		3		2	1	1		3
	4L,3R	2		3	1	2	1	1		3
	7L or 7R	1	2	1		3		1		3
	2L,5R	2	2	1	1	2		1		3
	5L,2R	2	2	1		2	1	1		3
	5L, 3R	2	1	2		3		1	1	3
	8R	1	2	2		3	1			4
	8L	1	2	2	1	3				4

6. Hardware & Components

F3 Hardware Selection Chart - Outward Opening (up to 80kg per panel)

		F3 PIVOT SET #1378695	E2AHS HINGE SET WITH HANDLE #1378625	E2AHS HALF OFFSET HINGE SET/ HDL #1378627	F3 RIGHT CARRIER SET #1378696	F3 INTER CARRIER SET #1378699	F3 LEFT CARRIER SET #1378694	KILLARA HANDLE CARRIER SET # 1344016 / #1304672	OFFSET FLUSH BOLT (300mm) #1345050	KILLARA TWIN BOLT #1344004 / #1344059 / #1344060
Door Config.	2L	1	1		1					1
	2R	1	1				1			1
	1L,2R	2	1				1	1		1
	2L,1R	2	1		1			1		1
	3L or 3R	1		1		1		1		1
	1L,3R	2		1		1		1	1	1
	3L,1R	2		1		1		1	1	1
	2L,2R	2	2		1		1			2
	4L	1		2	1	1				2
	4R	1		2		1	1			2
	1L,4R	2		2		1	1	1		2
	4L,1R	2		2	1	1		1		2
	2L,3R	2	1	1	1	1		1		2
	3L,2R	2	1	2		1	1	1		2
	5L or 5R	1	1	1		2		1		2
	3L,3R	2		2		2		1	1	2
	3L,4R	2		3		2	1	1		3
	4L,3R	2		3	1	2		1		3
	7L or 7R	1	2	1		3		1		3
	2L,5R	2	2	1	1	2		1		3
	5L,2R	2	2	1		2	1	1		3
	5L, 3R	2	1	2		3		1	1	3
	8R	1	2	2		3	1			4
	8L	1	2	2	1	3				4

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

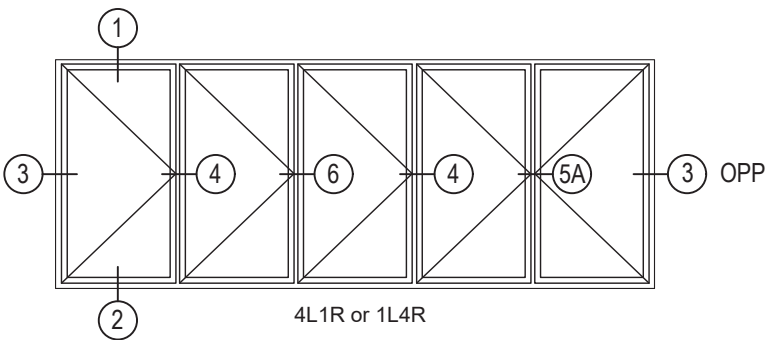
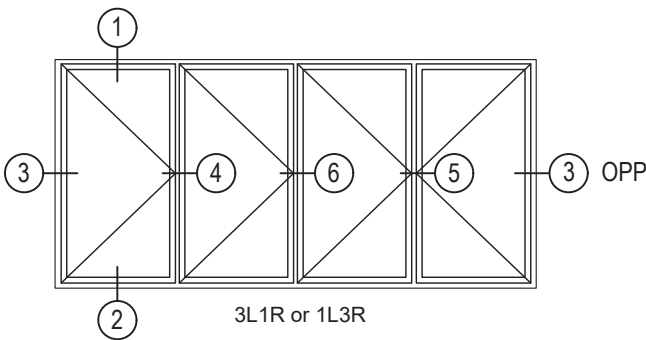
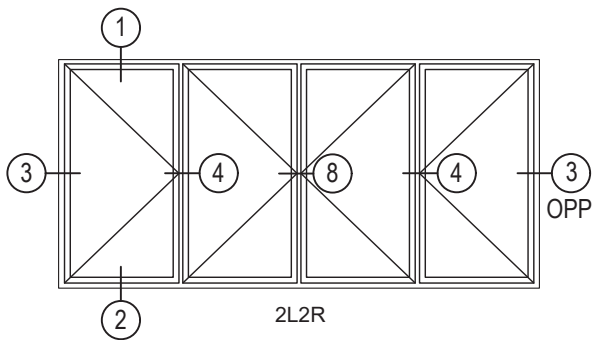
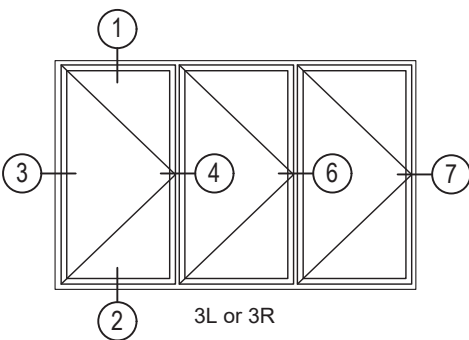
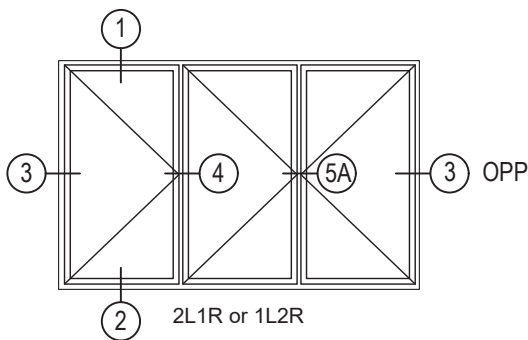
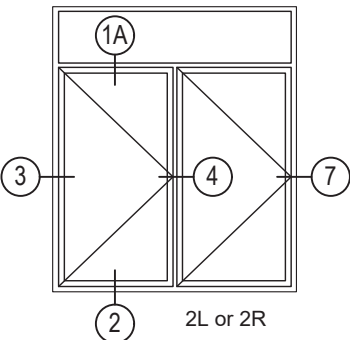
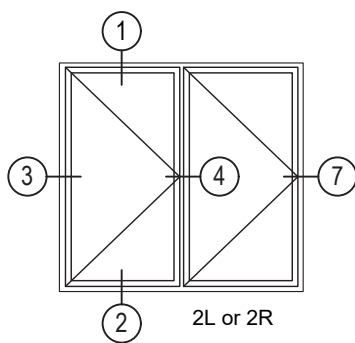
***For more information on silicones,
please refer to Alspec Silicone Brochure.**

6. Hardware & Components

Silicone Product Codes

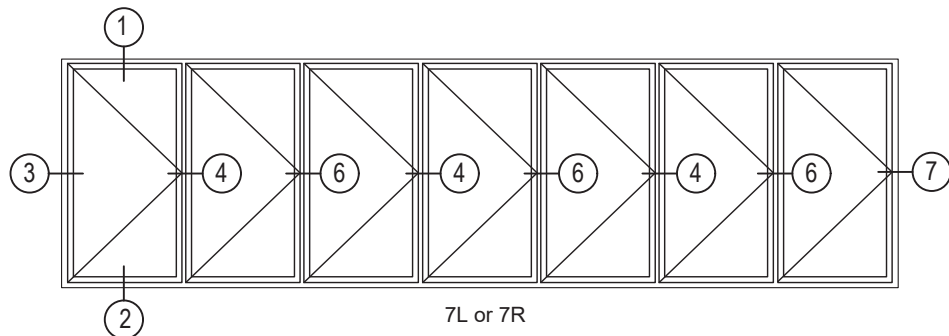
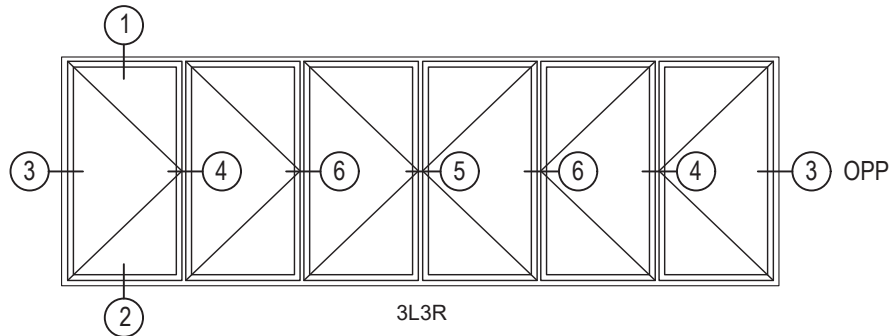
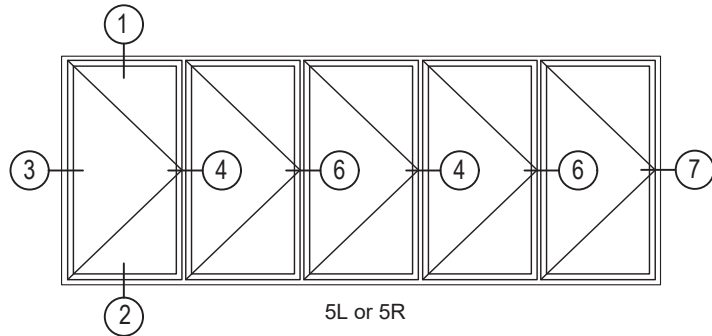
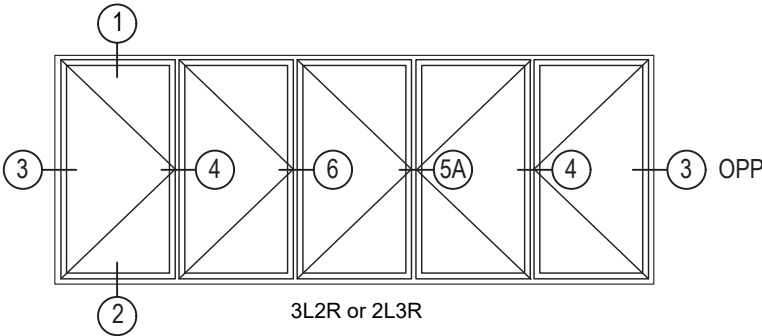
Product Category	Item No.	Alspec Part No. Code	Description	Finish	Pack
ALSPEC 100%	1	1386113	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALMOND IVORY	CARTRIDGE
	2	1386114	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	ALUMINIUM	CARTRIDGE
	3	1386105	ALSPEC 100% NEUTRAL CURE SILICONE x 310g CAT	BLACK	CARTRIDGE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



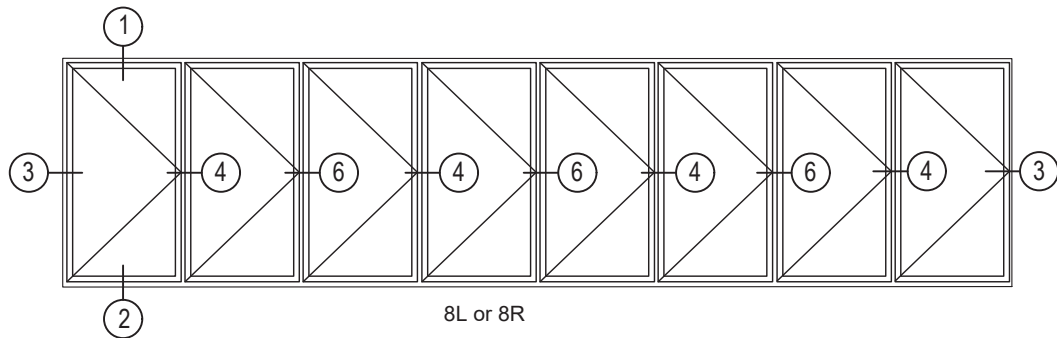
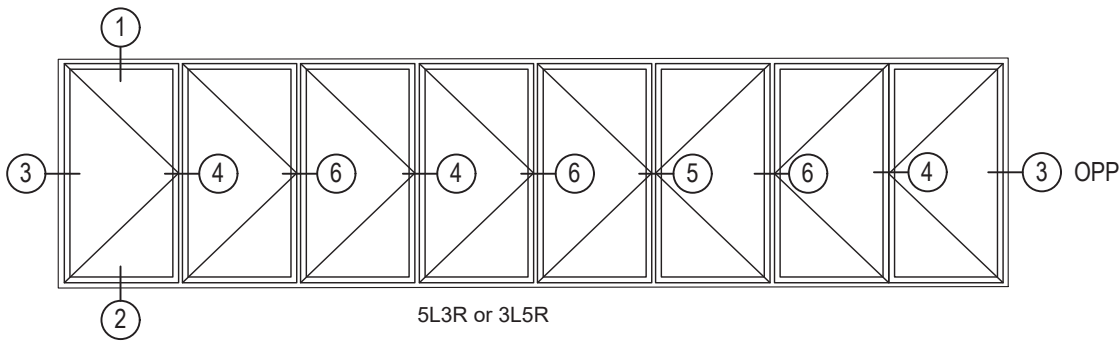
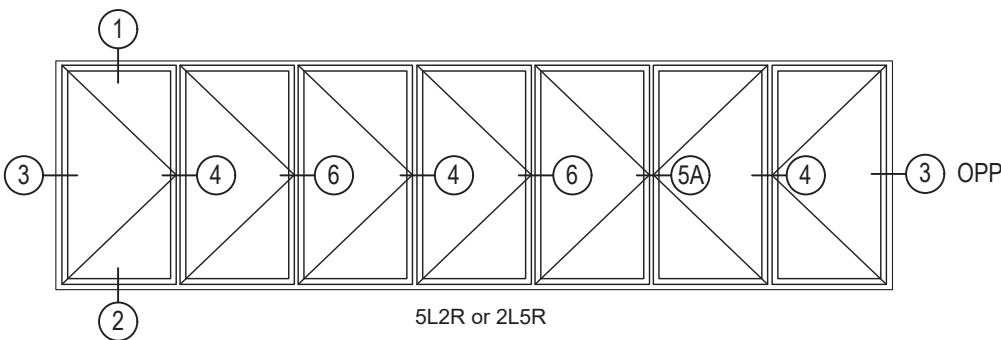
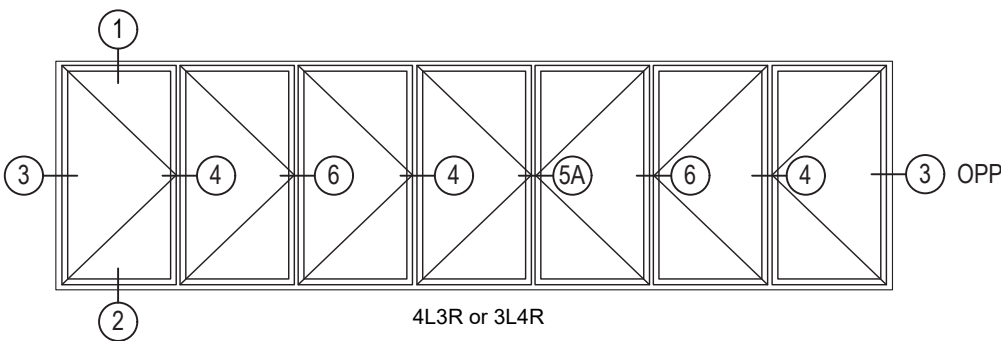
NOTE: OTHER FRAME CONFIGURATIONS ARE AVAILABLE.

7. Typical Elevation



NOTE: OTHER FRAME CONFIGURATIONS ARE AVAILABLE.

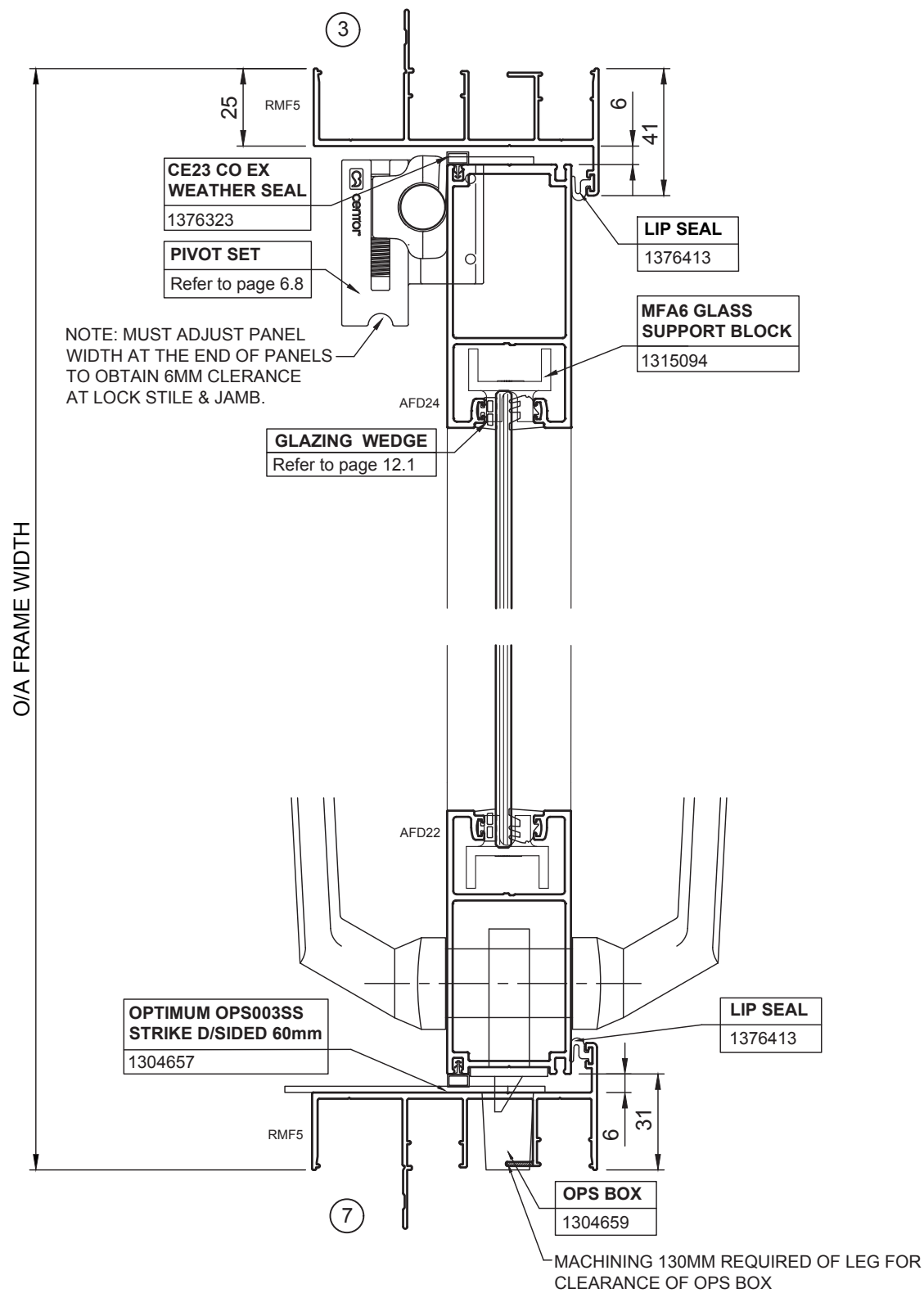
7. Typical Elevation



NOTE: OTHER FRAME CONFIGURATIONS ARE AVAILABLE.

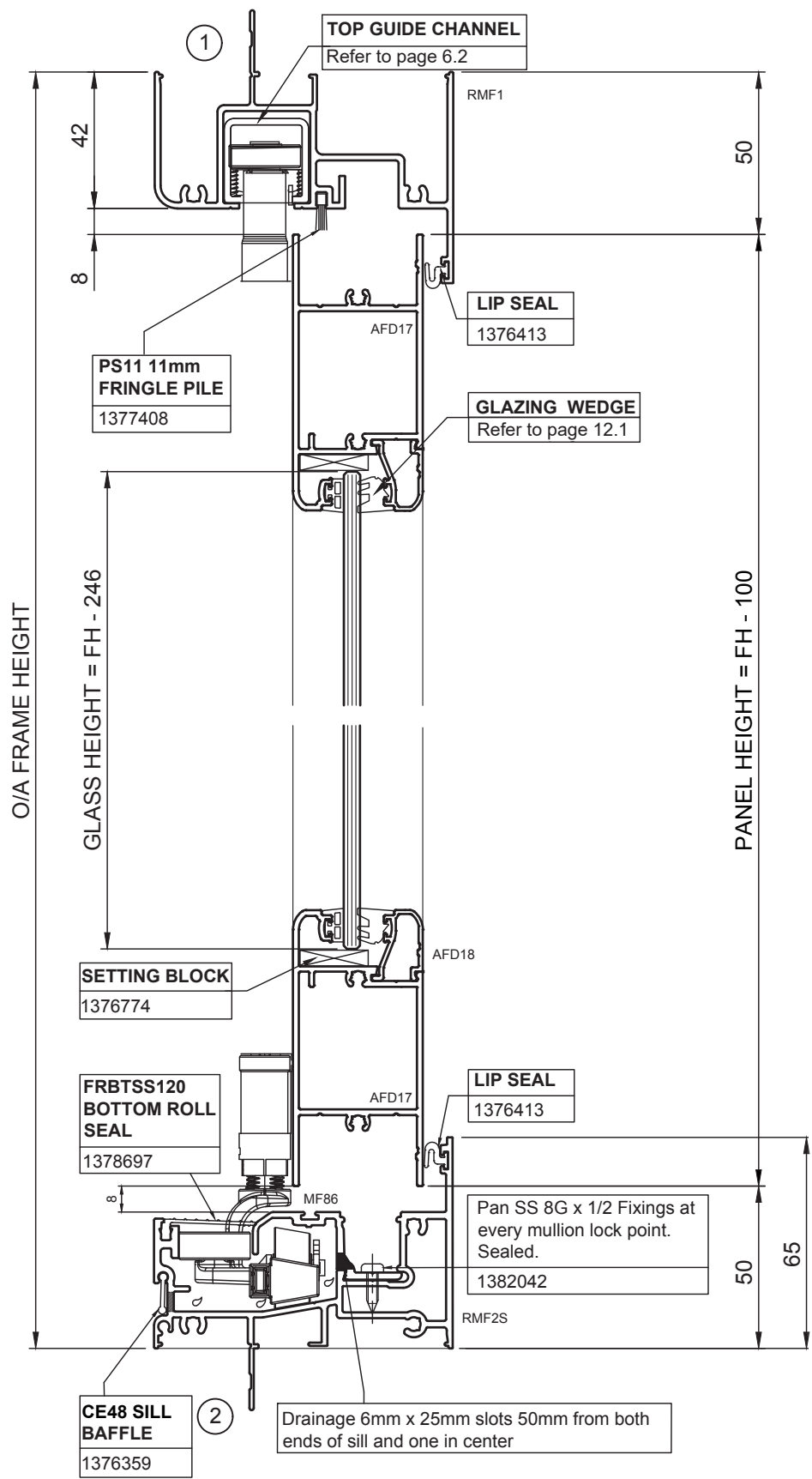
8. Typical Details

Horizontal Detail - Open Out



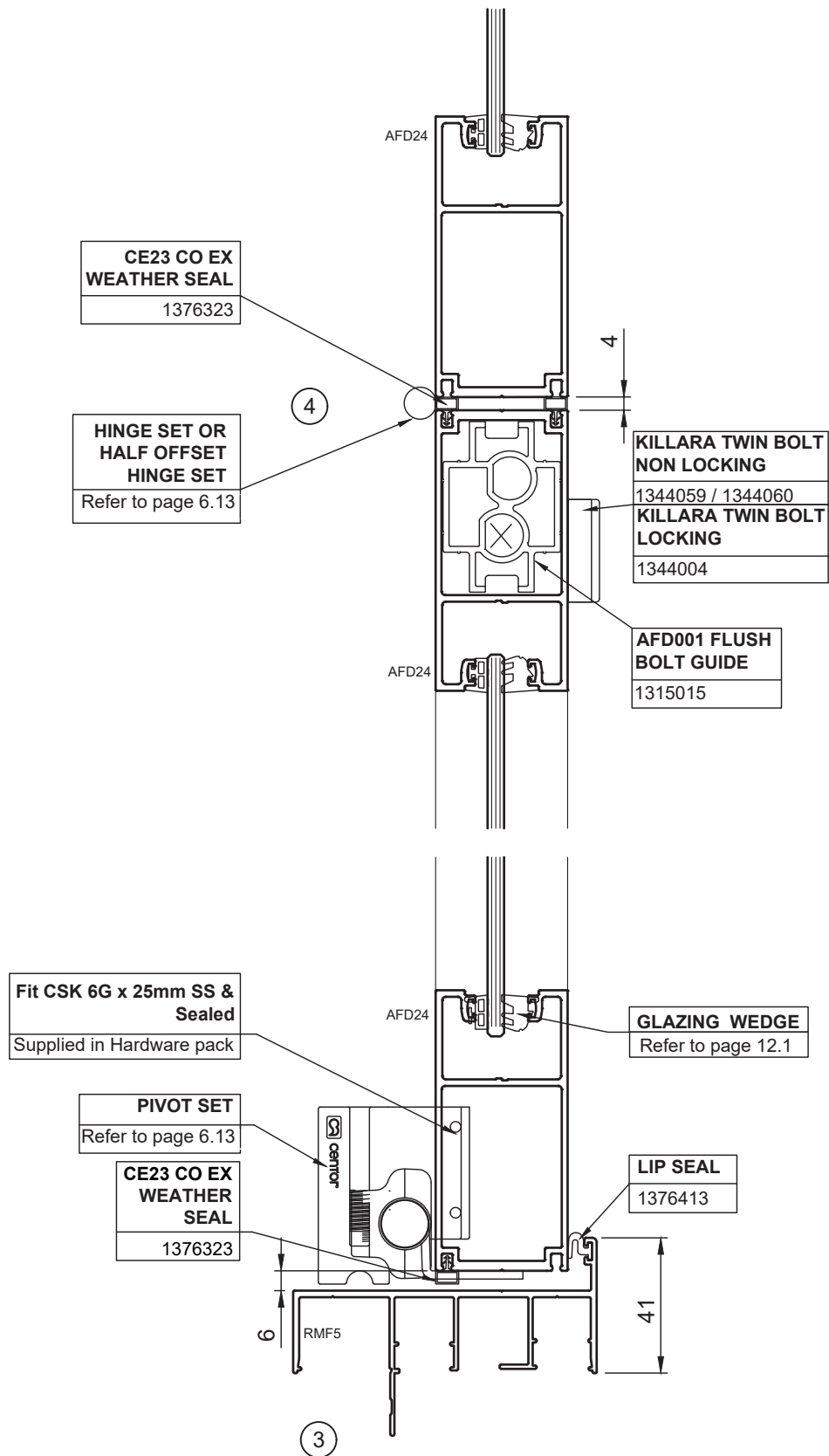
8. Typical Details

Vertical Detail - Open Out - Standard Sill



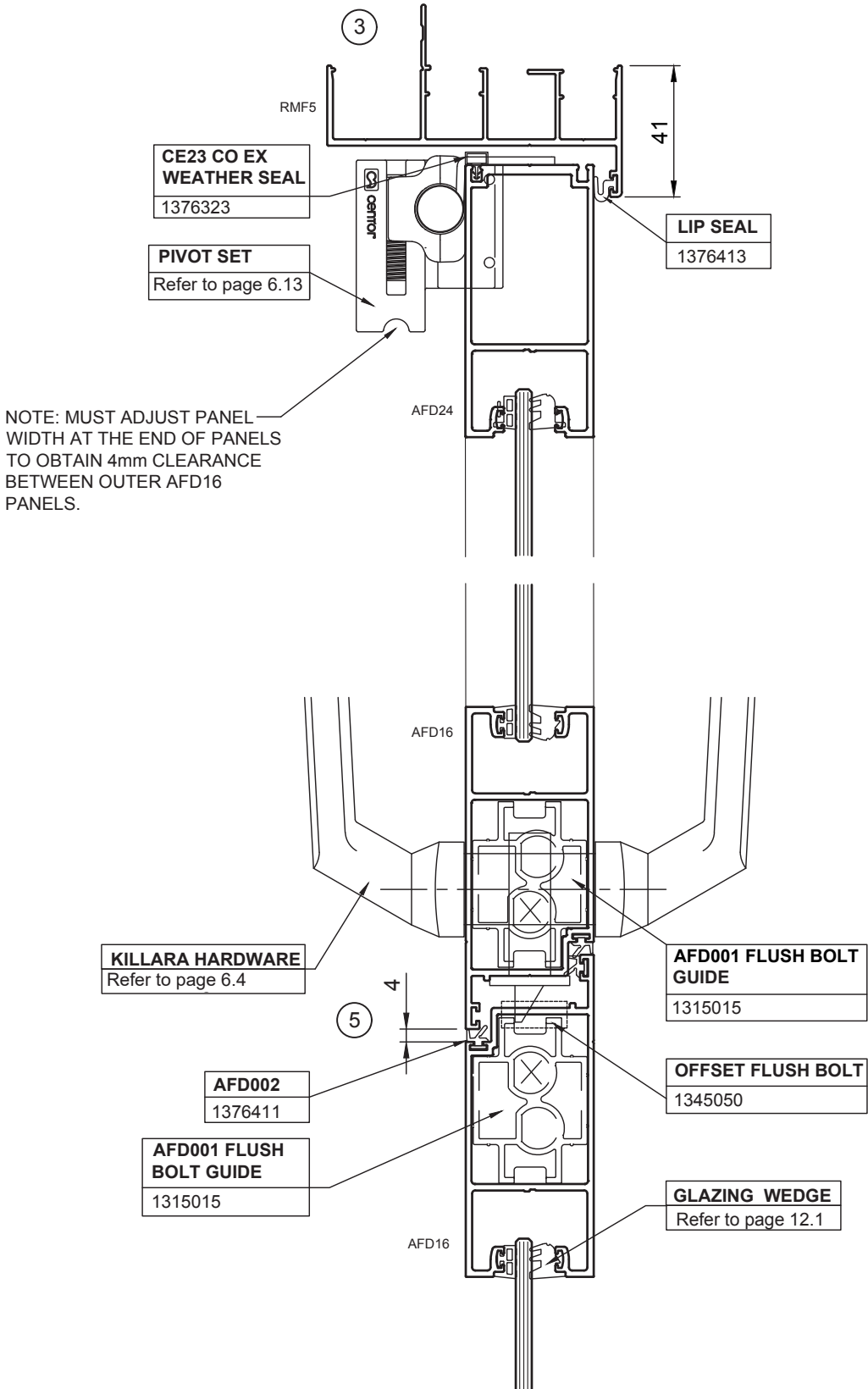
8. Typical Details

Horizontal Detail - Twin Bolt Locking Open Out

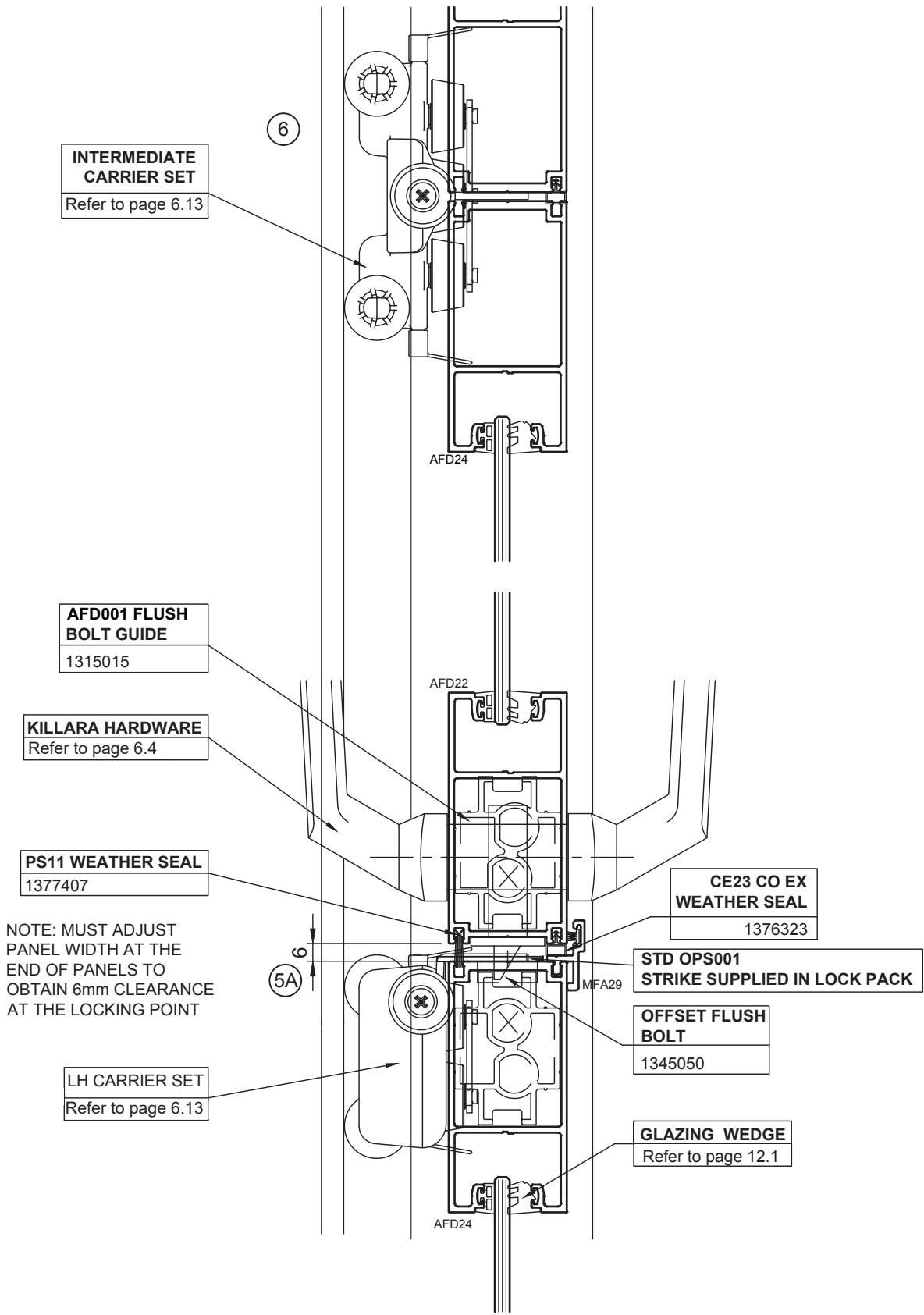


8. Typical Details

Horizontal Detail - Meeting Lock Stile Detail

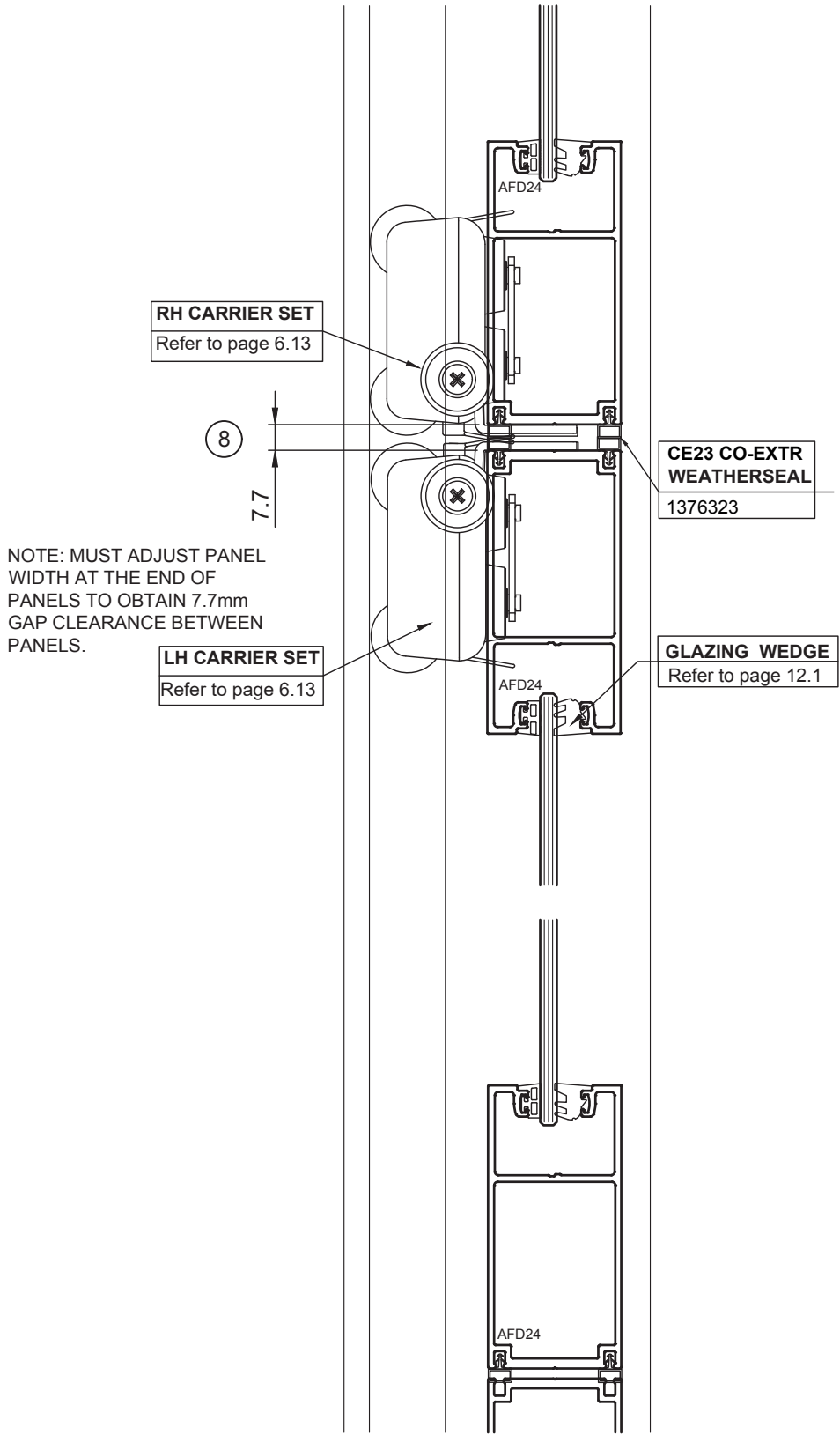


Horizontal Detail - Meeting Lock Stile Detail



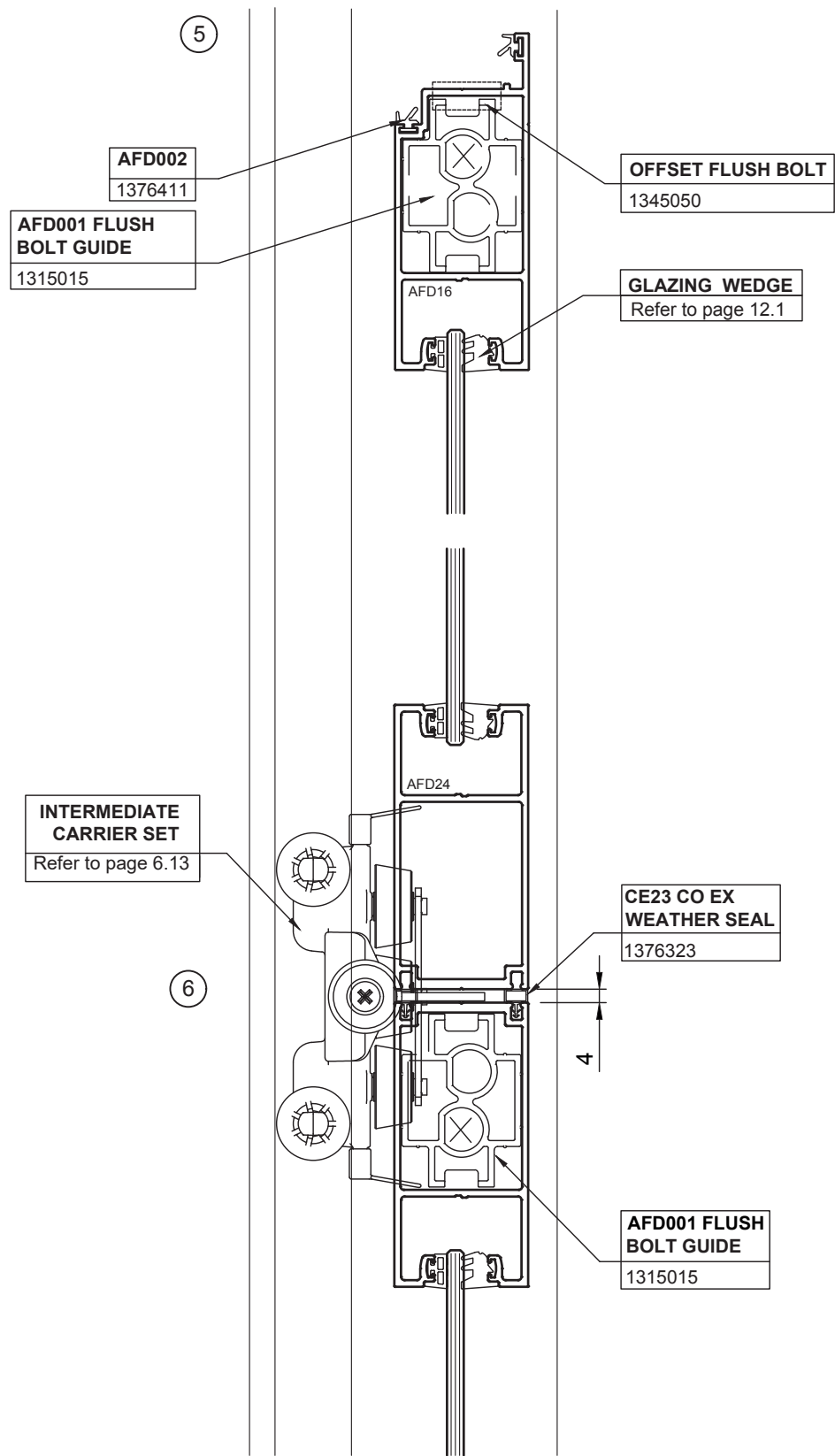
8. Typical Details

Horizontal Detail - 2L & 2R Meeting Stile Detail



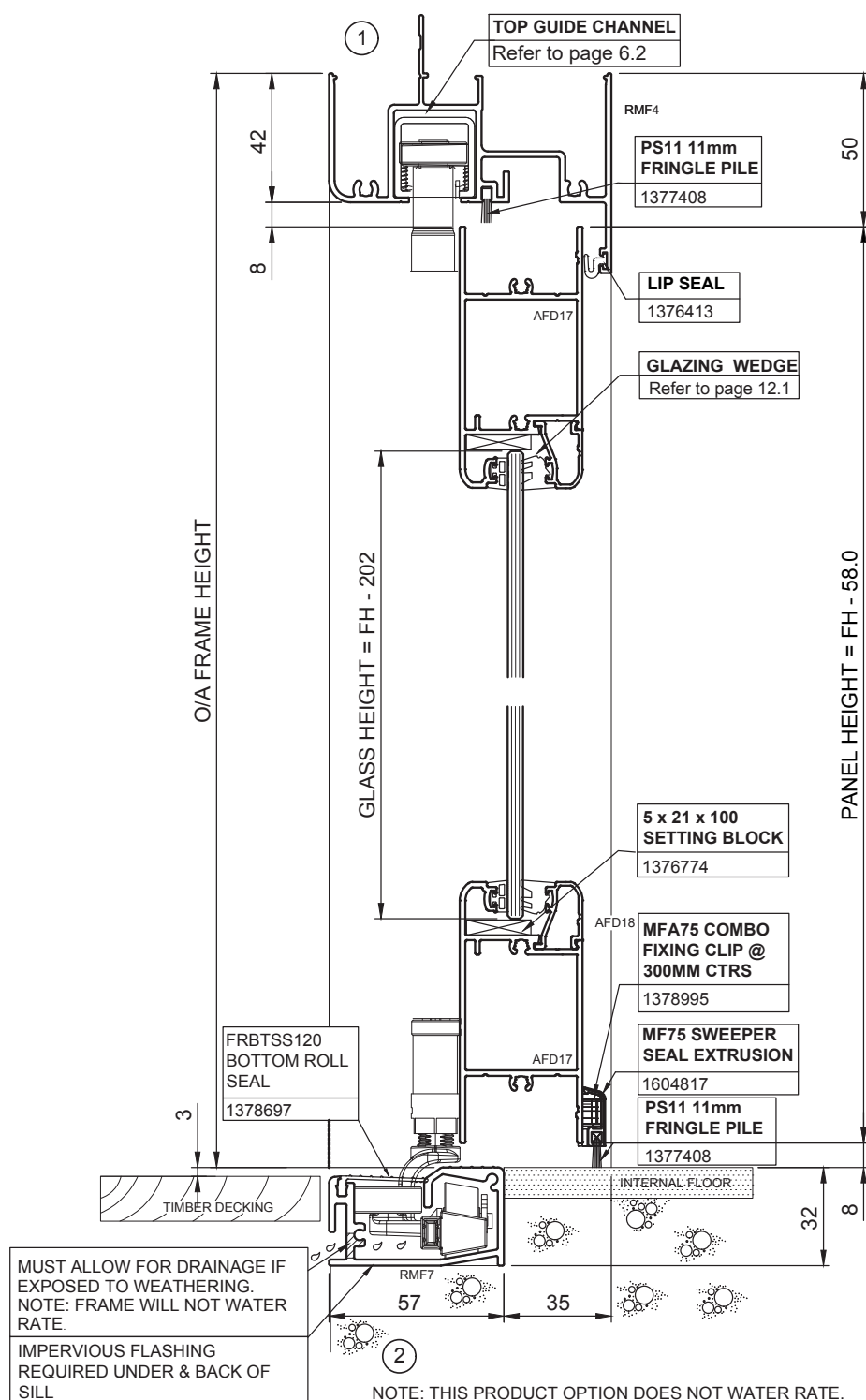
8. Typical Details

Horizontal Detail - Intermediate Carrier Detail

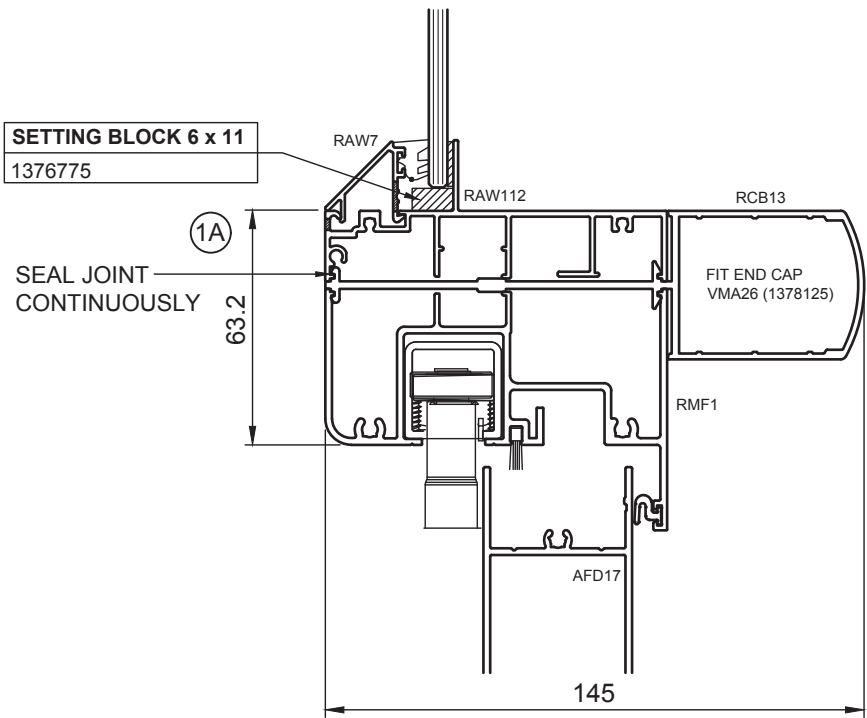
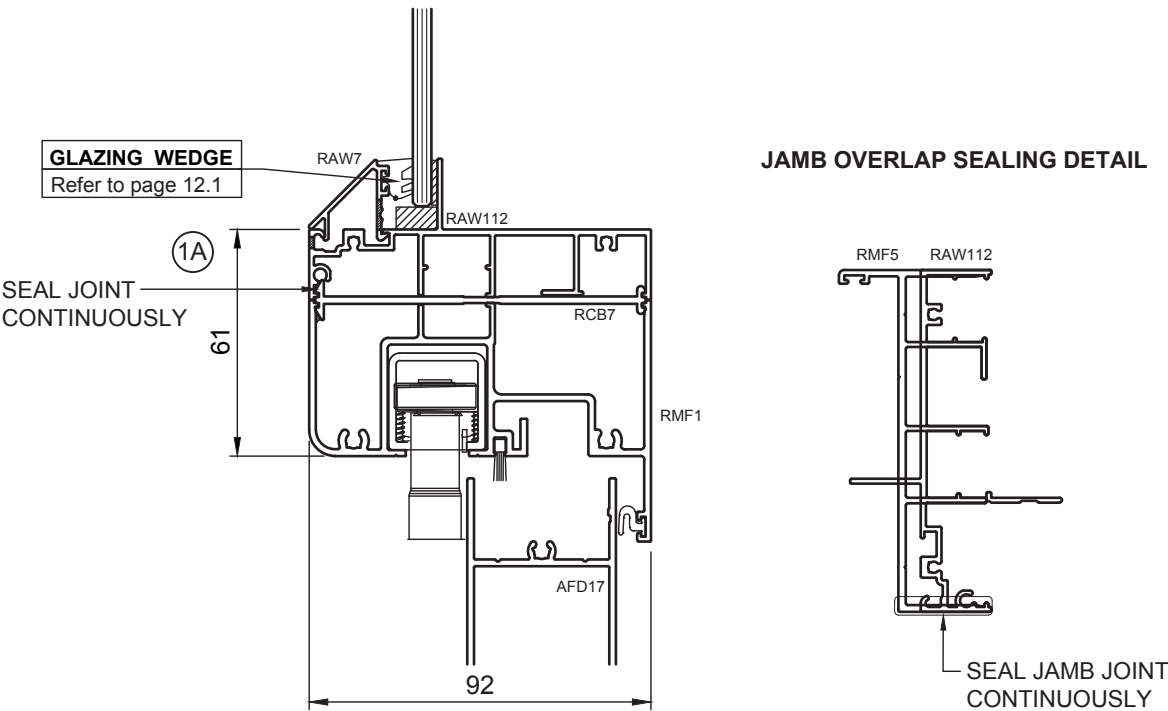


8. Typical Details

Vertical Detail - Open Out - Flush Sill



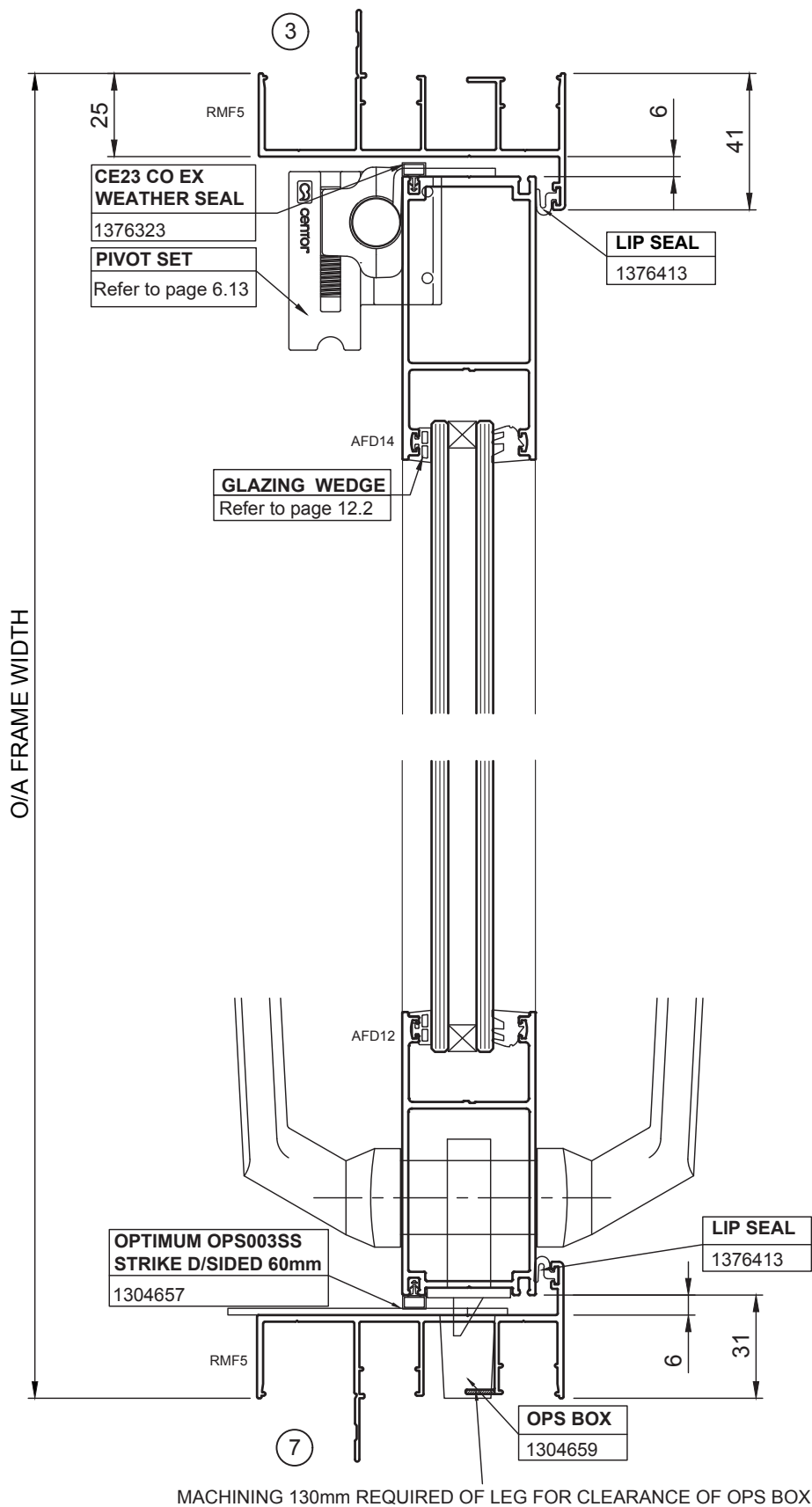
Vertical Detail - Highlite Detail



NOTE: ALL HIGHLITE HEAD CONFIGURATIONS IS COUPLED AS SEPERATE FRAME

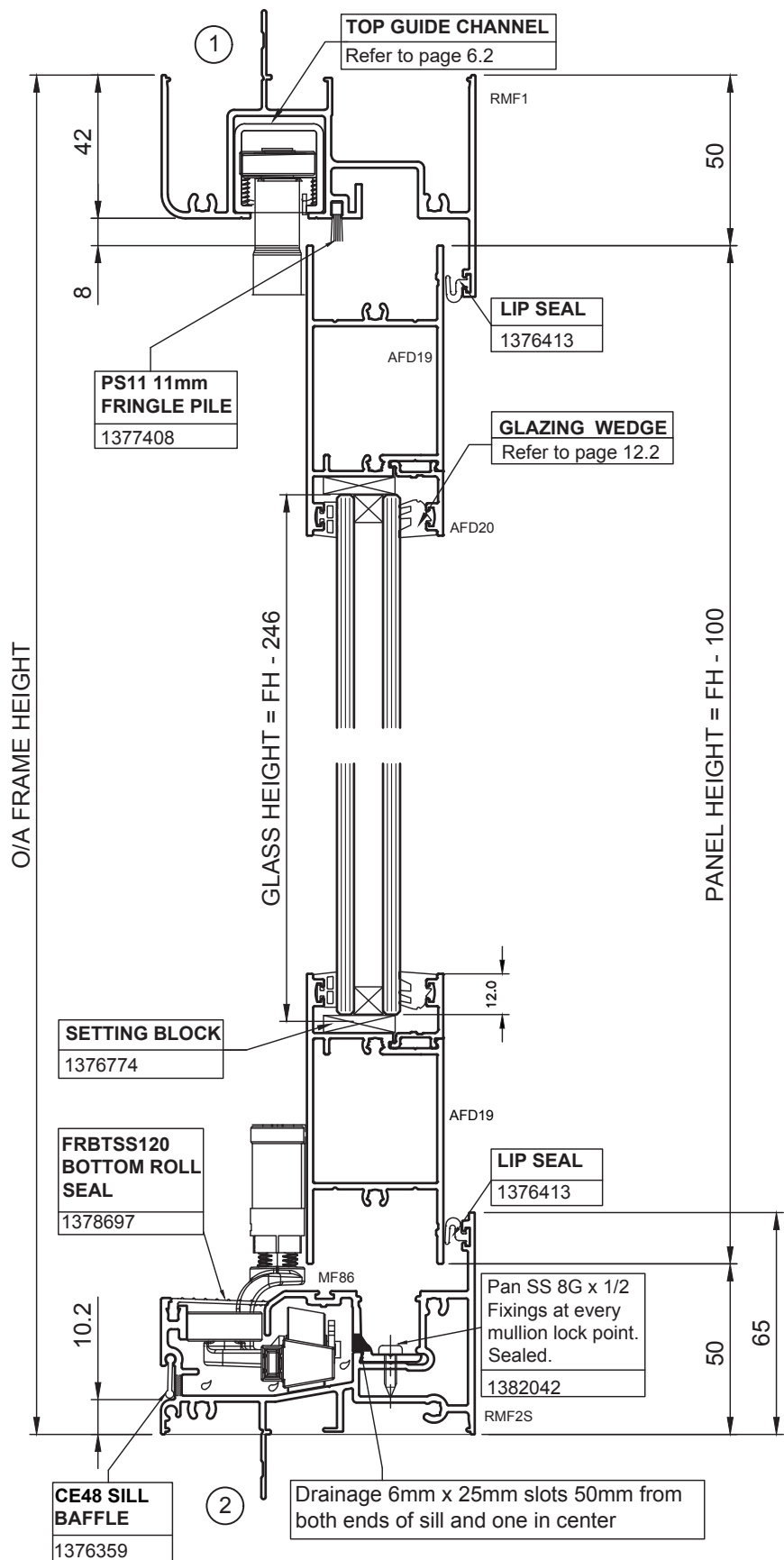
8. Typical Details

Horizontal Detail - Double Glazed Open Out



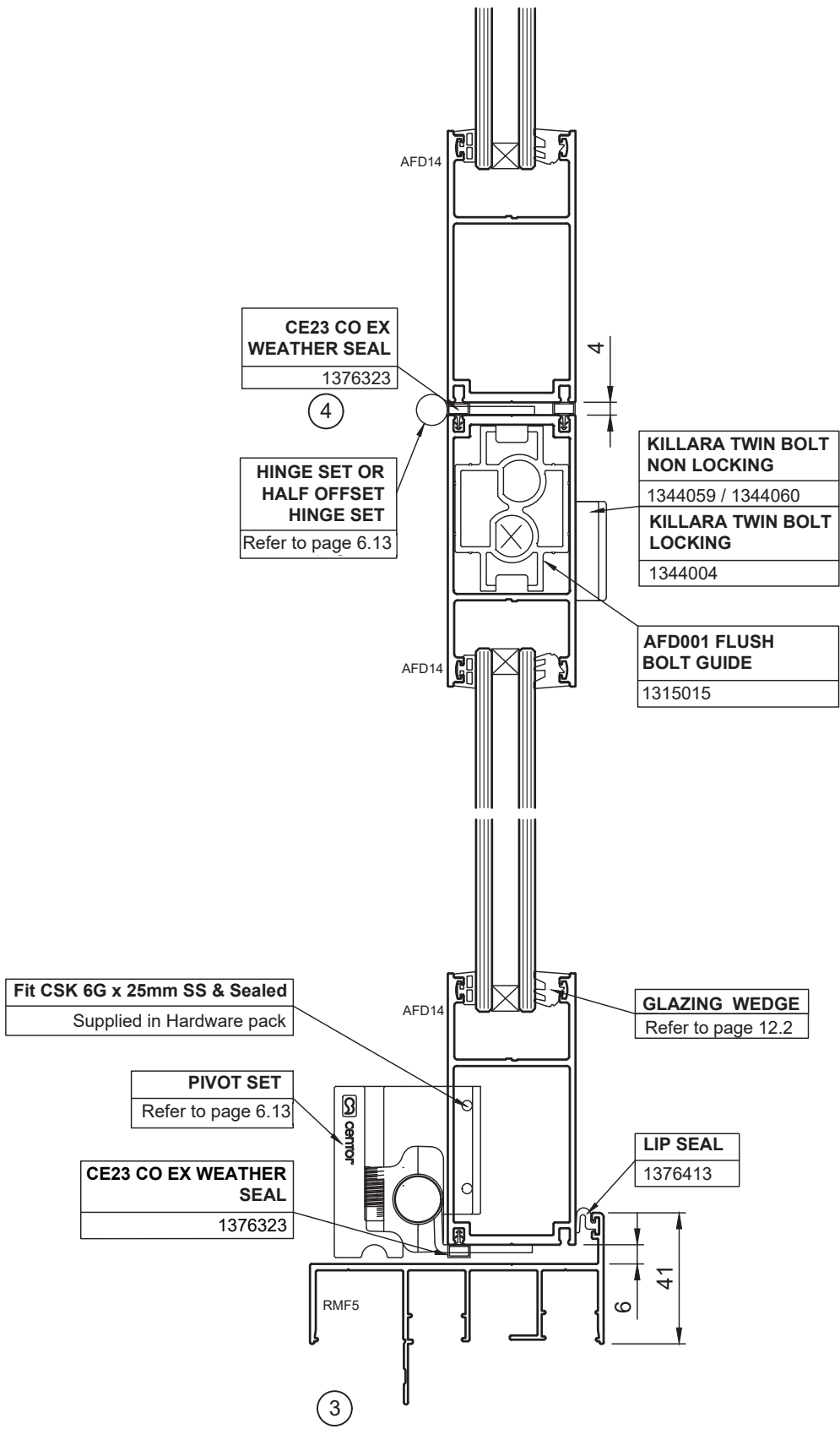
8. Typical Details

Vertical Detail - Double Glazed Panel Open Out - Standard Sill



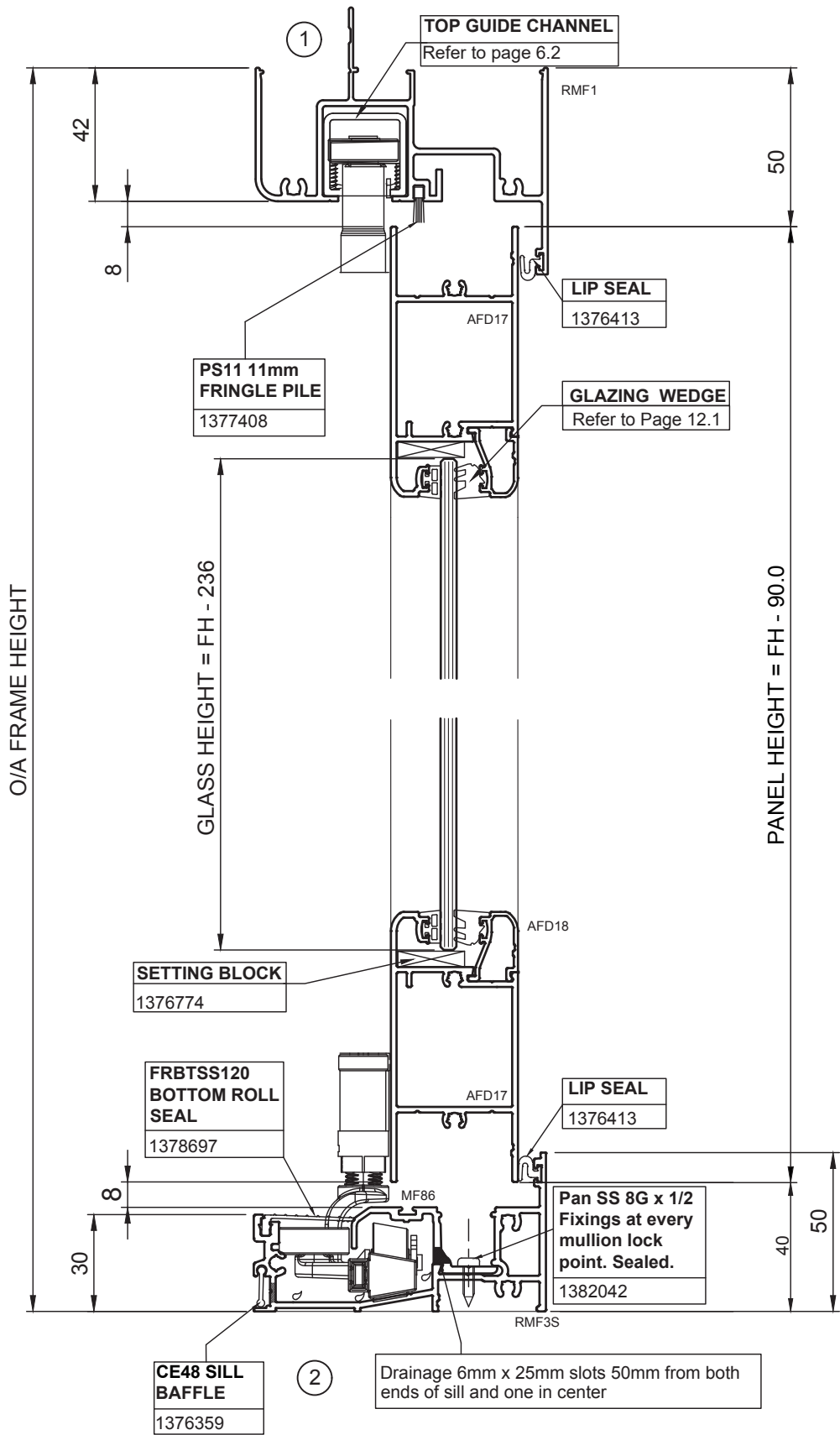
8. Typical Details

Horizontal Detail -Double Glazed Twin Bolt Locking Open Out



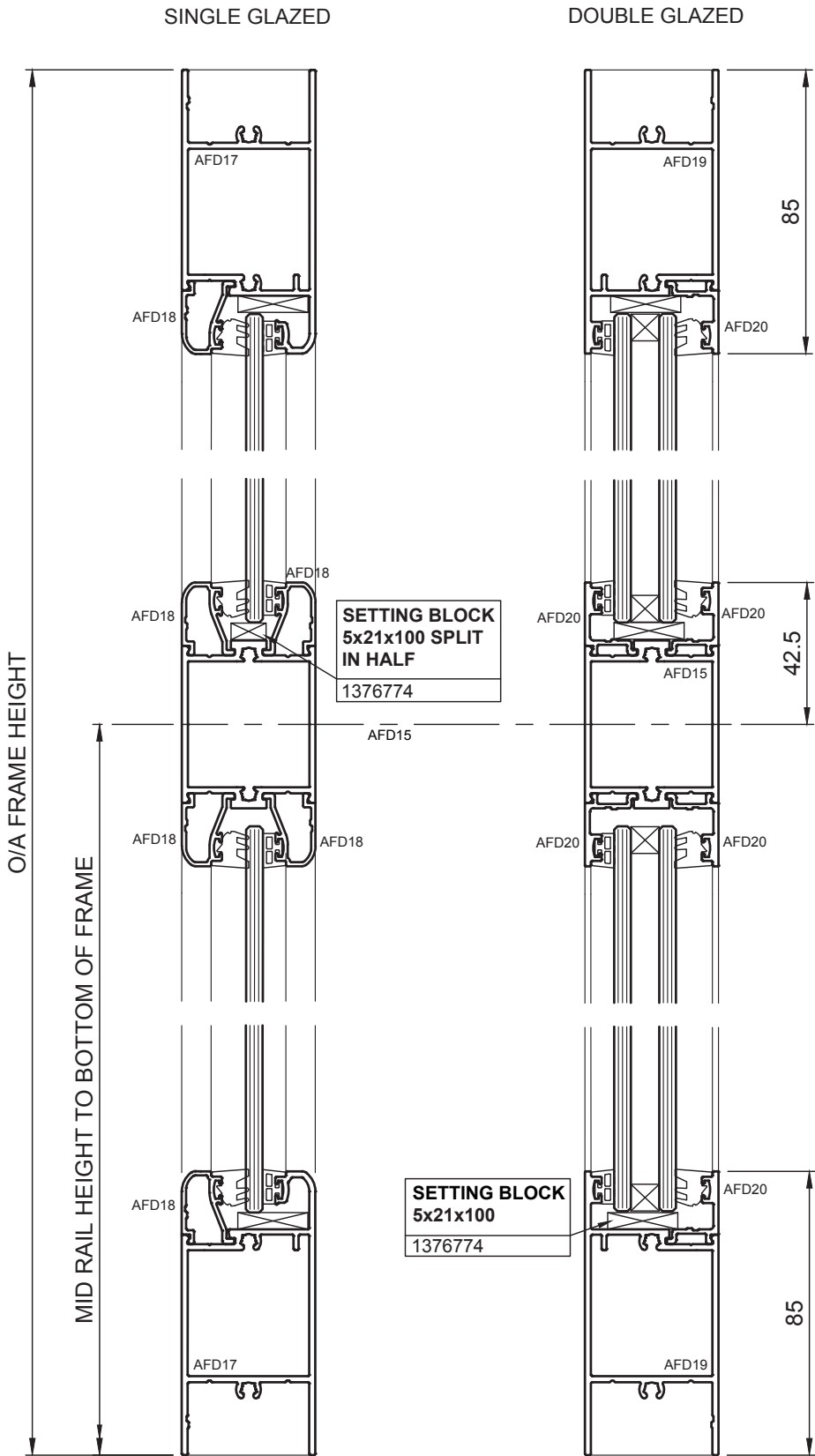
8. Typical Details

Vertical Detail - Open Out - Low Sill



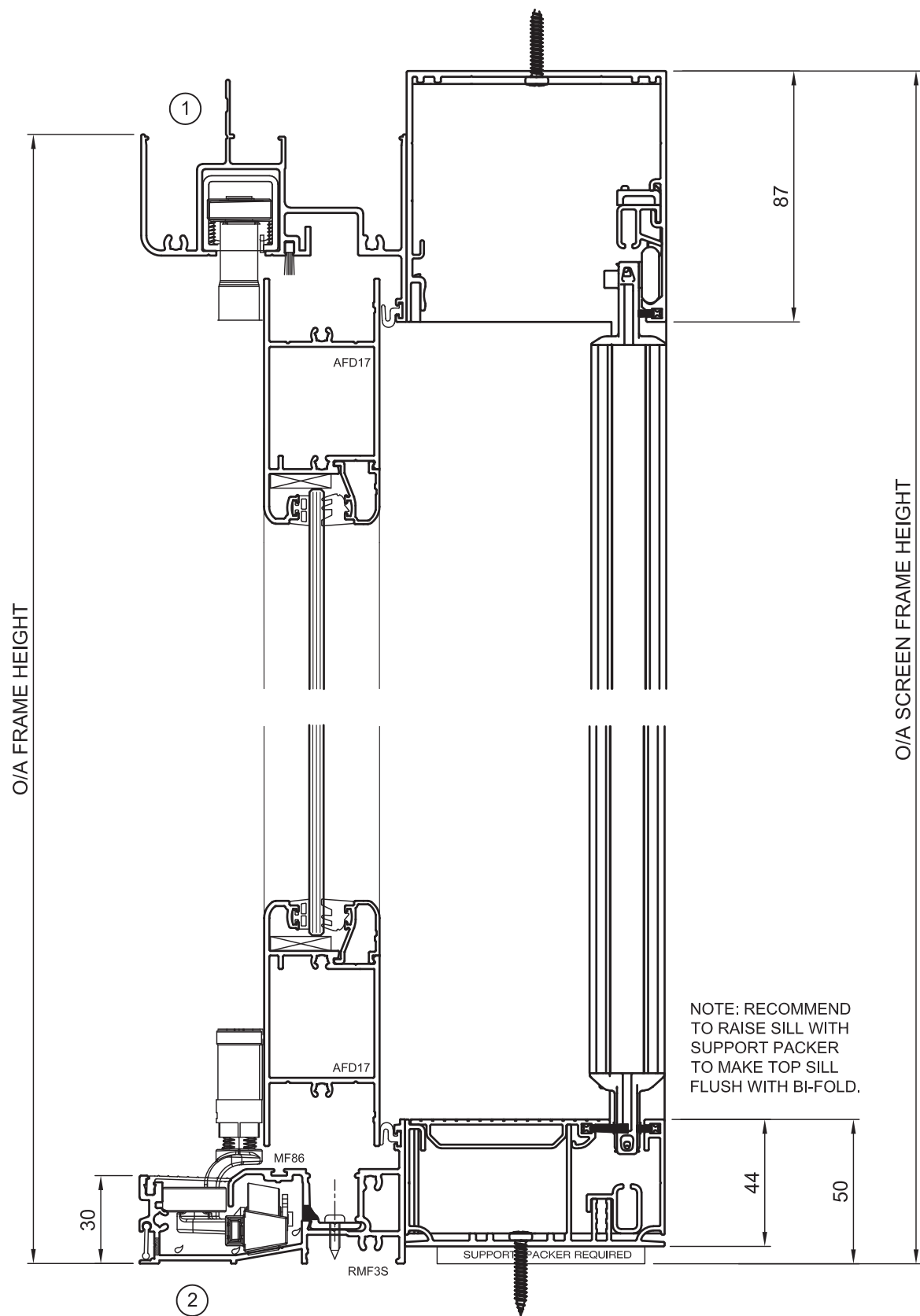
8. Typical Details

Vertical Detail - Open Out - Flush Sill



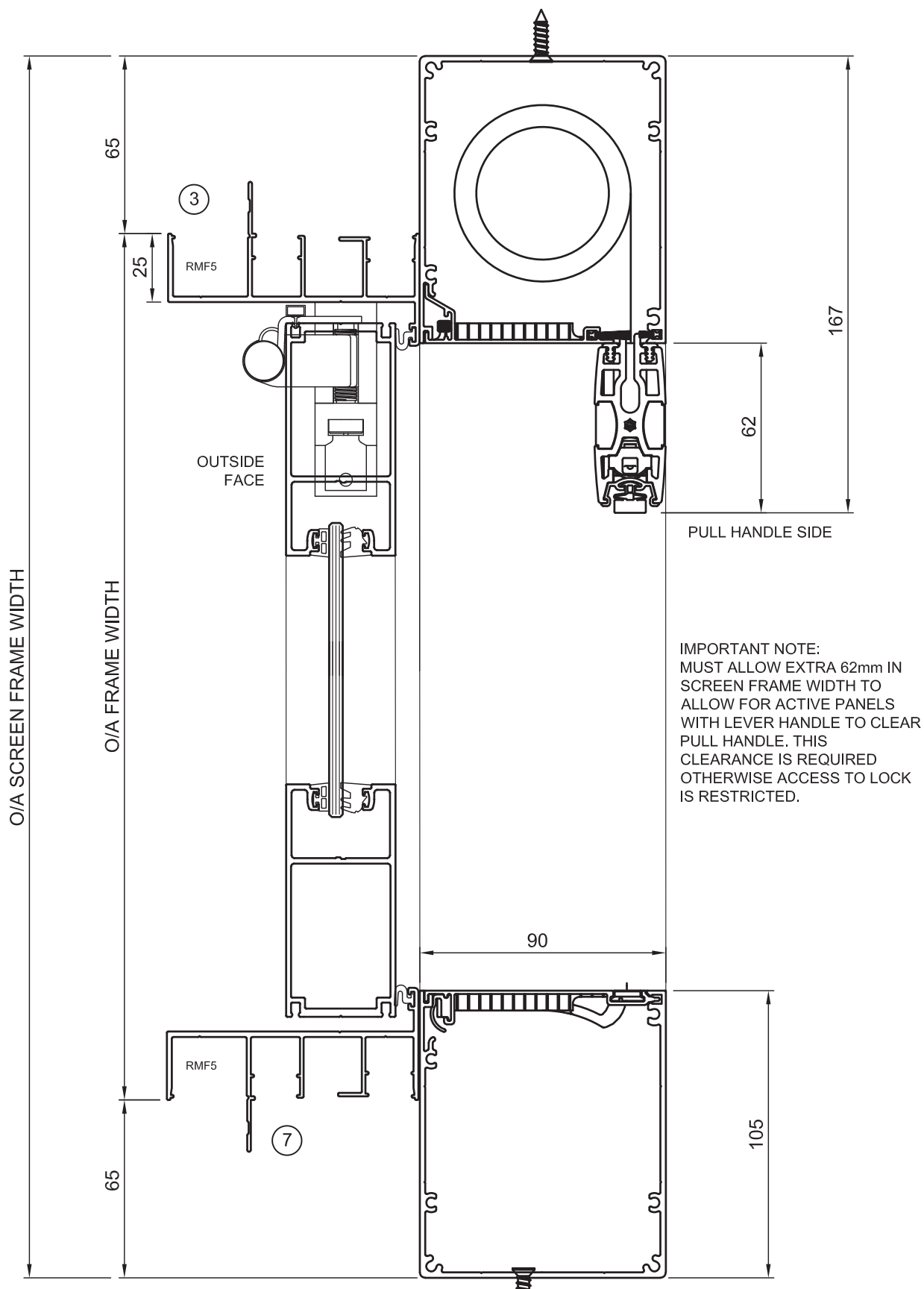
8. Typical Details

Vertical Detail - Open Out - Low Sill & Centor S4 Screen



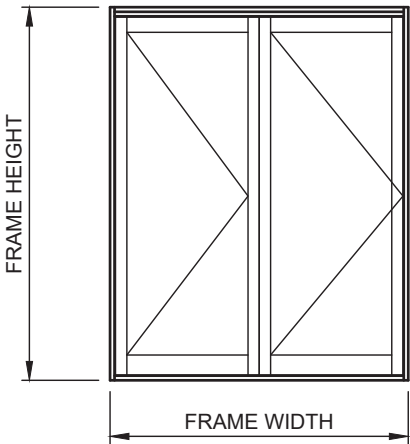
8. Typical Details

Horizontal Detail - Open Out & Centor S4 Screen



9. Cutting Formulas

Double Door 2L or 2R - Open Out



PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 171mm	1
	MF86	Bottom Roll BF Track	120mm	1
	AFD17	Curve Rail	Frame Width / 2 - 203mm	4
	AFD18	Curve Rail Bead	Frame Width / 2 - 203mm	4
	AFD24	40mm Hinge Stile	Frame Height - 100mm	4
GLASS	HEIGHT		Frame Height - 246mm	2
	WIDTH		Frame Width / 2 - 179mm	

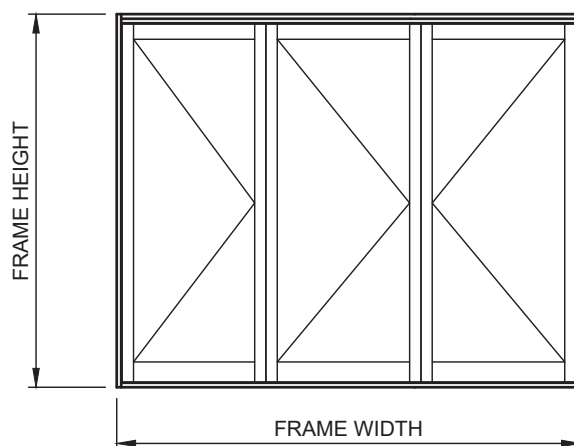
Narrow Stile Option

PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AFD28	Narrow Stile	Frame Height - 100mm	4
GLASS	HEIGHT		Frame Height - 246mm	2
	WIDTH		Frame Width / 2 - 145mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

Double Door 2L or 2R - Open Out

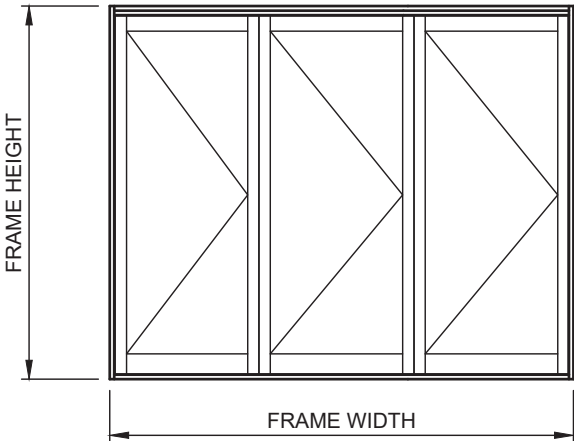


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 291mm	1
	MF86	Bottom Roll BF Track	120mm	2
	AFD17	Curve Rail	Frame Width / 3 - 193mm	6
	AFD18	Curve Rail Bead	Frame Width / 3 - 193mm	6
	AFD24	40mm Hinge Stile	Frame Height - 100mm	1
	AFD24	40mm Hinge Stile	Frame Height - 100mm	5
	MFA29	Meeting Stile Adaptor	Frame Height - 131mm	1
GLASS	HEIGHT		Frame Height - 246mm	2
	WIDTH		Frame Width / 3 - 169mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

3L or 3R - Open Out

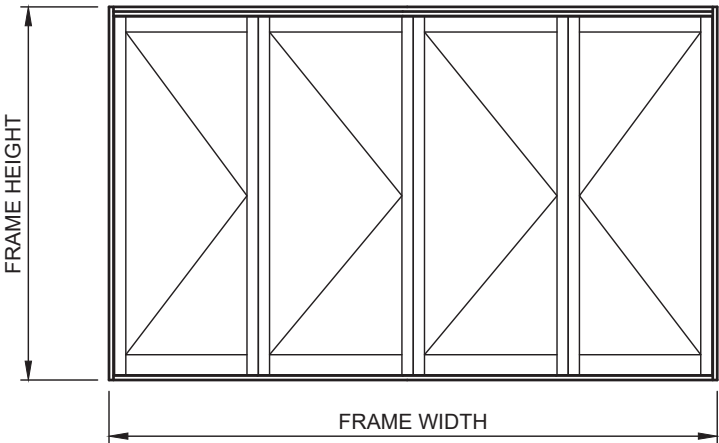


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 171mm	1
	MF86	Bottom Roll BF Track	120mm	1
	AFD17	Curve Rail	Frame Width / 3 - 193mm	6
	AFD18	Curve Rail Bead	Frame Width / 3 - 193mm	6
	AFD22	40mm Lock Stile	Frame Height - 100mm	1
	AFD24	40mm Hinge Stile	Frame Height - 100mm	5
GLASS	HEIGHT		Frame Height - 246mm	2
	WIDTH		Frame Width / 3 - 169mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

3L / 1R or 1L / 3R - Open Out

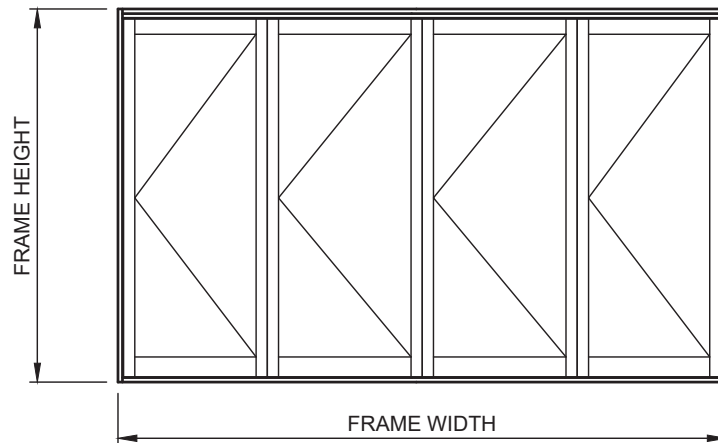


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 291mm	1
	MF86	Bottom Roll BF Track	120mm	2
	AFD17	Curve Rail	Frame Width / 3 - 189mm	8
	AFD18	Curve Rail Bead	Frame Width / 3 - 189mm	8
	AFD16	40mm Meeting Stile	Frame Height - 100mm	2
	AFD24	40mm Hinge Stile	Frame Height - 100mm	6
GLASS	HEIGHT		Frame Height - 246mm	4
	WIDTH		Frame Width / 4 - 165mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

4L or 4R - Open Out



PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 171mm	1
	MF86	Bottom Roll BF Track	120mm	1
	AFD17	Curve Rail	Frame Width / 4 - 189mm	8
	AFD18	Curve Rail Bead	Frame Width / 4 - 189mm	8
	AFD24	40mm Hinge Stile	Frame Height - 100mm	8
GLASS	HEIGHT		Frame Height - 246mm	4
	WIDTH		Frame Width / 4 - 165mm	

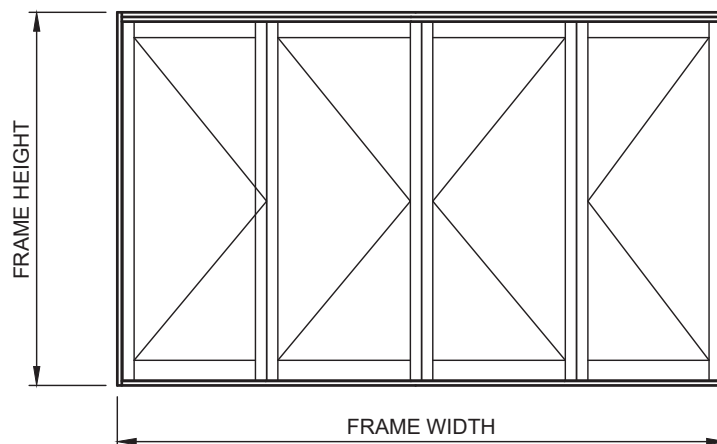
Narrow Stile Option

PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AFD28	Narrow Stile	Frame Height - 100mm	8
GLASS	HEIGHT		Frame Height - 246mm	4
	WIDTH		Frame Width / 4 - 131mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

2L / 2R - Open Out



PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 291mm	1
	MF86	Bottom Roll BF Track	120mm	2
	AFD17	Curve Rail	Frame Width / 4 - 189mm	8
	AFD18	Curve Rail Bead	Frame Width / 4 - 189mm	8
	AFD24	40mm Hinge Stile	Frame Height - 100mm	8
GLASS	HEIGHT		Frame Height - 246mm	4
	WIDTH		Frame Width / 4 - 165mm	

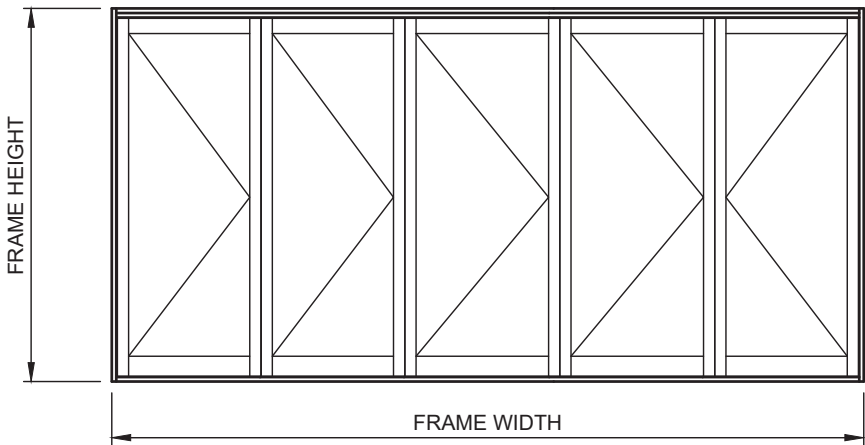
Narrow Stile Option

PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AFD28	Narrow Stile	Frame Height - 100mm	8
GLASS	HEIGHT		Frame Height - 246mm	4
	WIDTH		Frame Width / 4 - 131mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

4L / 1R or 1L / 4R - Open Out

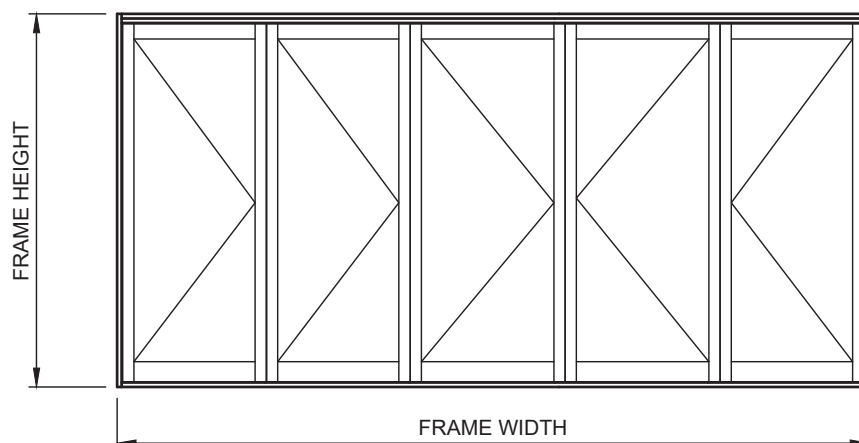


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 291mm	1
	MF86	Bottom Roll BF Track	120mm	2
	AFD17	Curve Rail	Frame Width / 5 - 186mm	10
	AFD18	Curve Rail Bead	Frame Width / 5 - 186mm	10
	MFA29	Meeting Stile Adaptor	Frame Height - 131mm	1
	AFD22	40mm Lock Stile	Frame Height - 100mm	1
	AFD24	40mm Hinge Stile	Frame Height - 100mm	9
GLASS	HEIGHT		Frame Height - 246mm	5
	WIDTH		Frame Width / 5 - 162mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

3L / 2R or 2L / 3R - Open Out

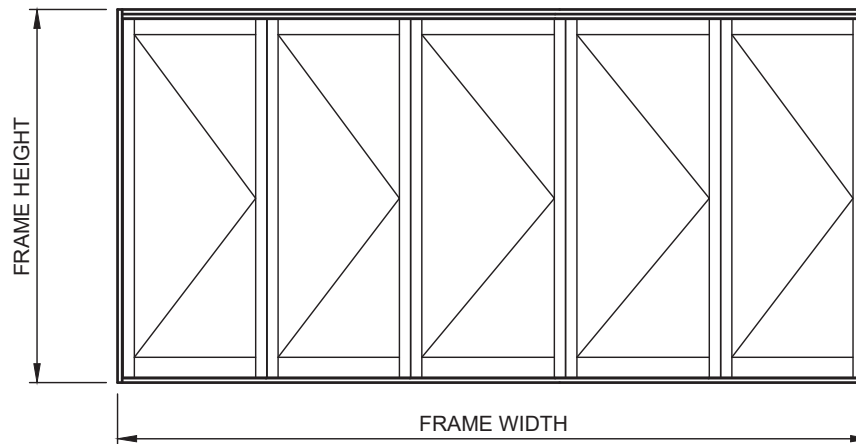


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 291mm	1
	MF86	Bottom Roll BF Track	120mm	2
	AFD17	Curve Rail	Frame Width / 5 - 186mm	10
	AFD18	Curve Rail Bead	Frame Width / 5 - 186mm	10
	MFA29	Meeting Stile Adaptor	Frame Height - 131mm	1
	AFD22	40mm Lock Stile	Frame Height - 100mm	1
	AFD24	40mm Hinge Stile	Frame Height - 100mm	9
GLASS	HEIGHT		Frame Height - 246mm	5
	WIDTH		Frame Width / 5 - 162mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

5L or 5R - Open Out



PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 171mm	1
	MF86	Bottom Roll BF Track	120mm	2
	AFD17	Curve Rail	Frame Width / 5 - 186mm	10
	AFD18	Curve Rail Bead	Frame Width / 5 - 186mm	10
	AFD22	40mm Lock Stile	Frame Height - 100mm	1
	AFD24	40mm Hinge Stile	Frame Height - 100mm	9
GLASS	HEIGHT		Frame Height - 246mm	5
	WIDTH		Frame Width / 5 - 162mm	

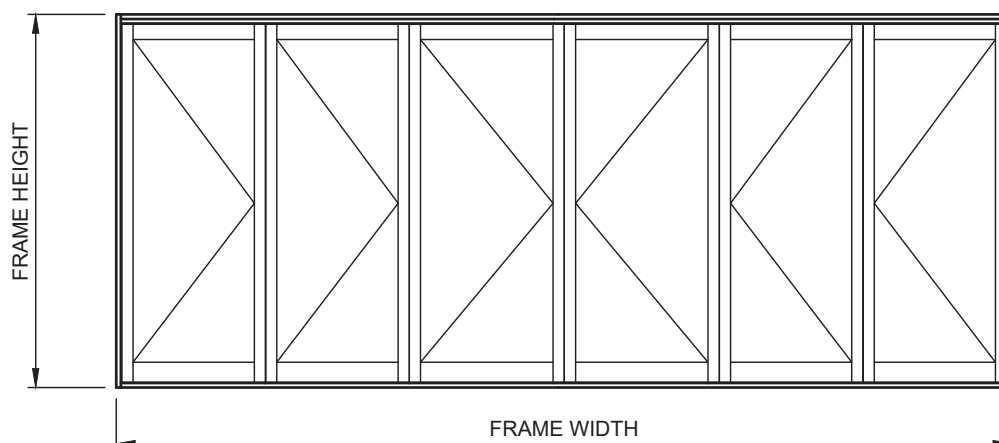
Open Out - Low Sill

PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF3S	Low Sill	Frame Width - 50mm	8
	AFD22	40mm Lock Stile	Frame Height - 90mm	1
	AFD24	40mm Hinge Stile	Frame Height - 90mm	9
GLASS	HEIGHT		Frame Height - 236mm	4
	WIDTH		Frame Width / 4 - 162mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

3L / 3R - Open Out

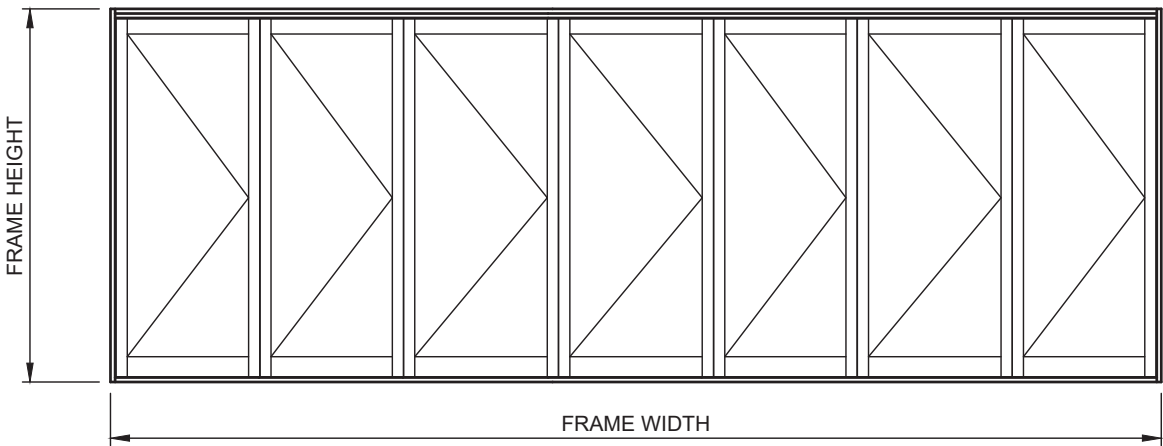


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 291mm	1
	MF86	Bottom Roll BF Track	120mm	2
	AFD17	Curve Rail	Frame Width / 6 - 184mm	12
	AFD18	Curve Rail Bead	Frame Width / 6 - 184mm	12
	AFD16	40mm Meeting Stile	Frame Height - 100mm	2
	AFD24	40mm Hinge Stile	Frame Height - 100mm	10
GLASS	HEIGHT		Frame Height - 246mm	5
	WIDTH		Frame Width / 6 - 160mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

7L or 7R - Open Out

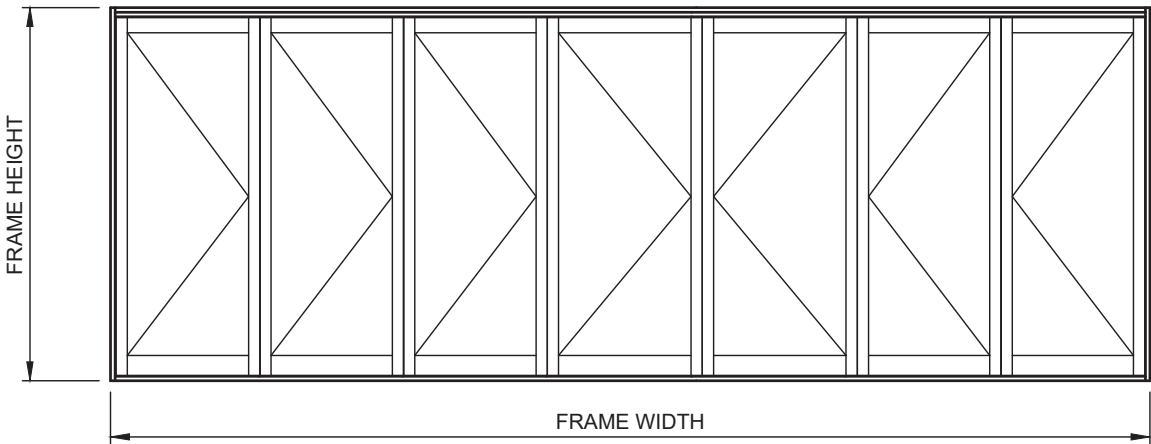


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 171mm	1
	MF86	Bottom Roll BF Track	120mm	1
	AFD17	Curve Rail	Frame Width / 7 - 182mm	14
	AFD18	Curve Rail Bead	Frame Width / 7 - 182mm	14
	AFD22	40mm Lock Stile	Frame Height - 100mm	1
	AFD24	40mm Hinge Stile	Frame Height - 100mm	13
GLASS	HEIGHT		Frame Height - 246mm	7
	WIDTH		Frame Width / 7 - 158mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

4L / 3R or 3L / 4R - Open Out

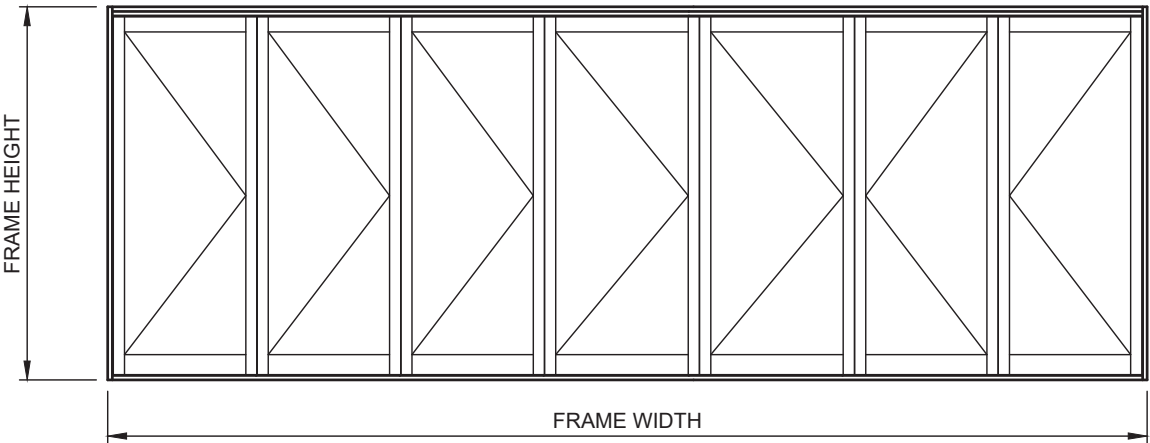


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 291mm	1
	MF86	Bottom Roll BF Track	120mm	2
	AFD17	Curve Rail	Frame Width / 7 - 182mm	14
	AFD18	Curve Rail Bead	Frame Width / 7 - 182mm	14
	AFD22	40mm Lock Stile	Frame Height - 100mm	1
	AFD24	40mm Hinge Stile	Frame Height - 100mm	13
GLASS	HEIGHT		Frame Height - 246mm	7
	WIDTH		Frame Width / 7 - 158mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

5L / 2R or 2L / 5R - Open Out

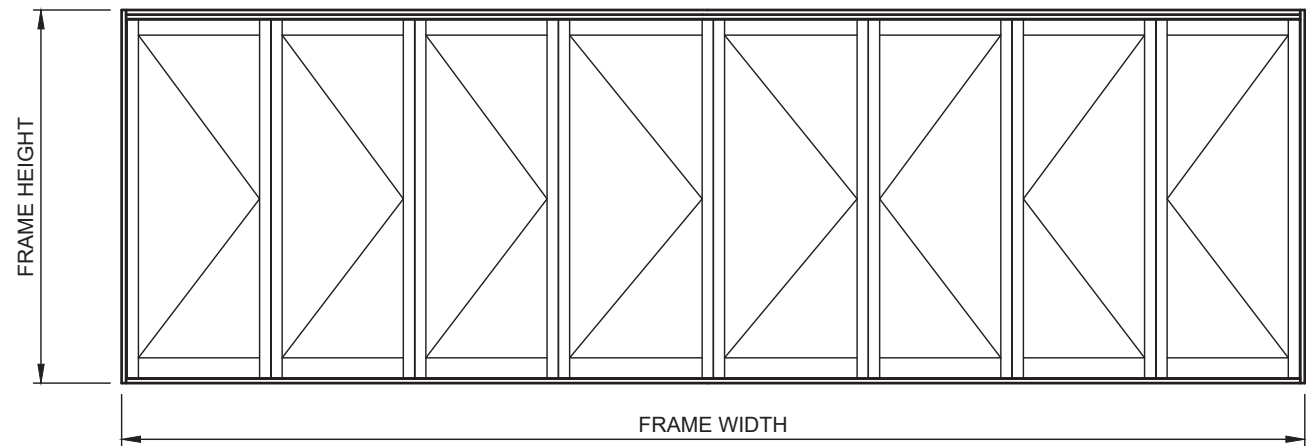


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 291mm	1
	MF86	Bottom Roll BF Track	120mm	2
	AFD17	Curve Rail	Frame Width / 7 - 182mm	14
	AFD18	Curve Rail Bead	Frame Width / 7 - 182mm	14
	AFD22	40mm Lock Stile	Frame Height - 100mm	1
	AFD24	40mm Hinge Stile	Frame Height - 100mm	13
	MFA29	Meeting Stile Adaptor	Frame Height - 131mm	1
GLASS	HEIGHT		Frame Height - 246mm	7
	WIDTH		Frame Width / 7 - 158mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

5L / 3R or 3L / 5R- Open Out

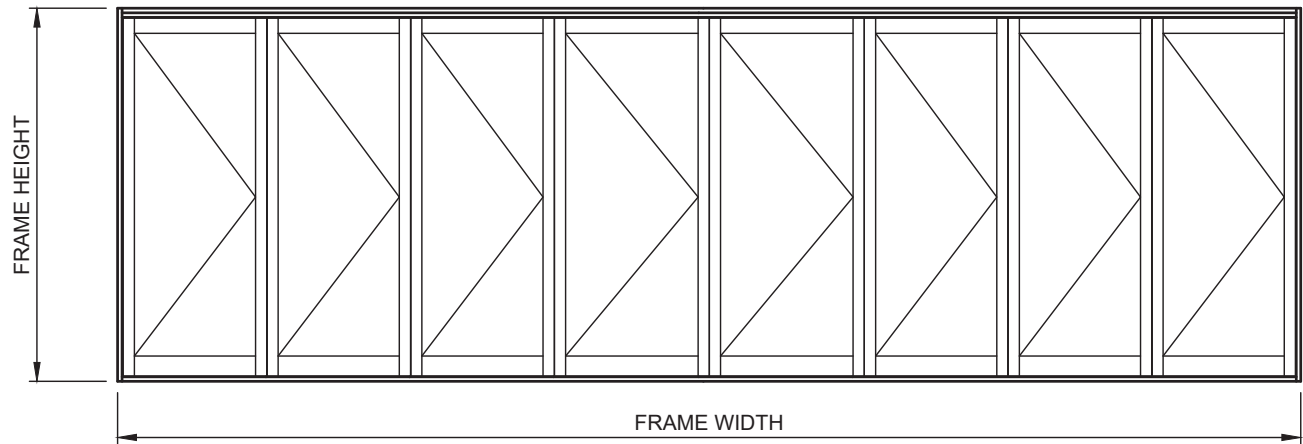


PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 291mm	1
	MF86	Bottom Roll BF Track	120mm	2
	AFD17	Curve Rail	Frame Width / 8 - 181mm	16
	AFD18	Curve Rail Bead	Frame Width / 8 - 181mm	16
	AFD16	40mm Meeting Stile	Frame Height - 100mm	2
	AFD24	40mm Hinge Stile	Frame Height - 100mm	14
GLASS	HEIGHT		Frame Height - 246mm	8
	WIDTH		Frame Width / 8 - 157mm	

Note: Cutting formulas are exactly the same for double glazed glass selection.

9. Cutting Formulas

8L / 8R - Open Out



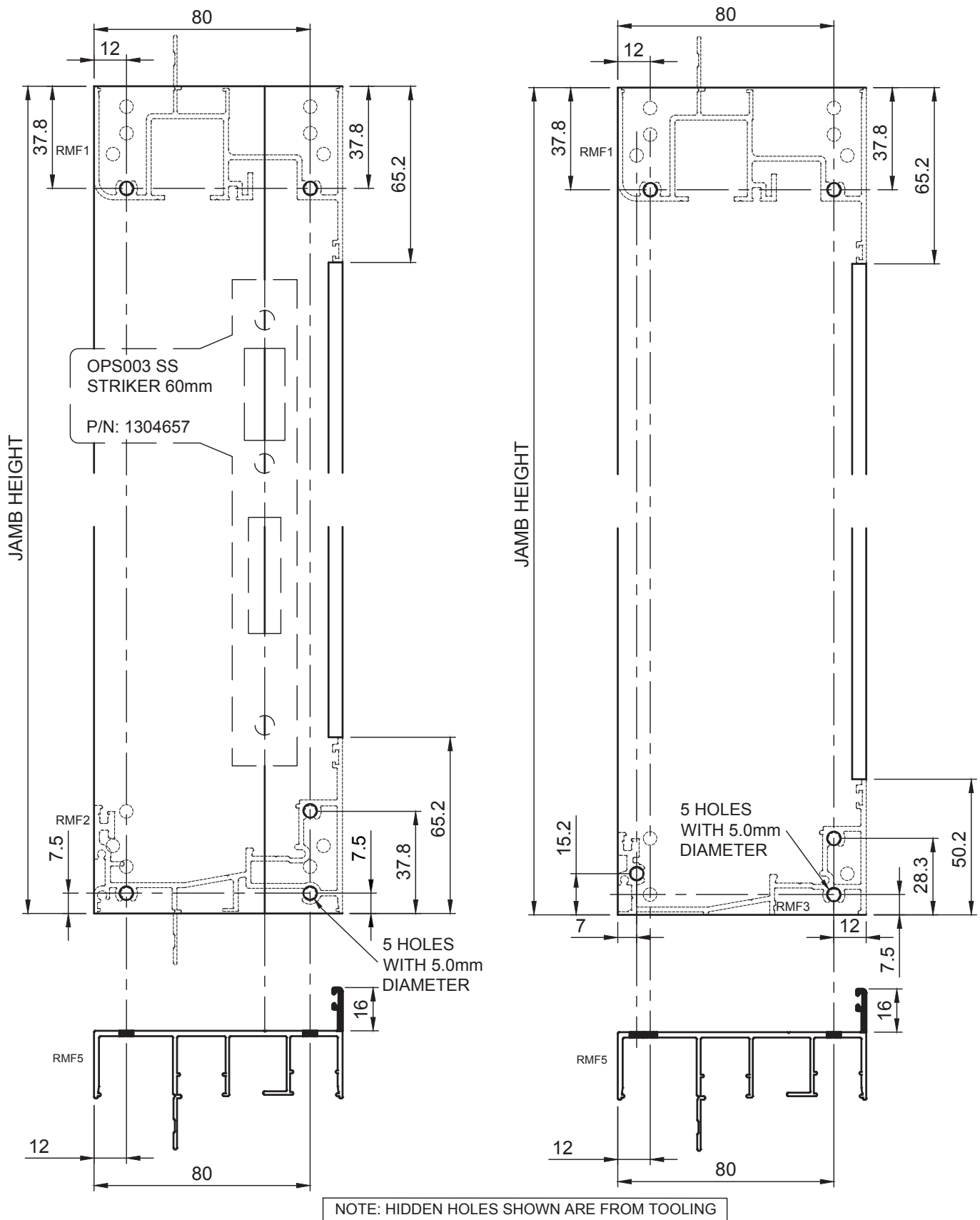
PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	RMF5	Jamb	Frame Height	2
	RMF1	Head	Frame Width - 50mm	1
	RMF2	Sill	Frame Width - 50mm	1
	MF86	Bottom Roll BF Track	Frame Width - 171mm	1
	MF86	Bottom Roll BF Track	120mm	1
	AFD17	Curve Rail	Frame Width / 8 - 181mm	16
	AFD18	Curve Rail Bead	Frame Width / 8 - 181mm	16
	AFD24	40mm Hinge Stile	Frame Height - 100mm	16
GLASS	HEIGHT		Frame Height - 246mm	8
	WIDTH		Frame Width / 8 - 157mm	

Narrow Stile Option

PROFILE	SECTION NO.	DESCRIPTION	CUTTING FORMULA	QTY
	AFD28	Narrow Stile	Frame Height - 100mm	16
GLASS	HEIGHT		Frame Height - 246mm	8
	WIDTH		Frame Width / 4 - 123mm	

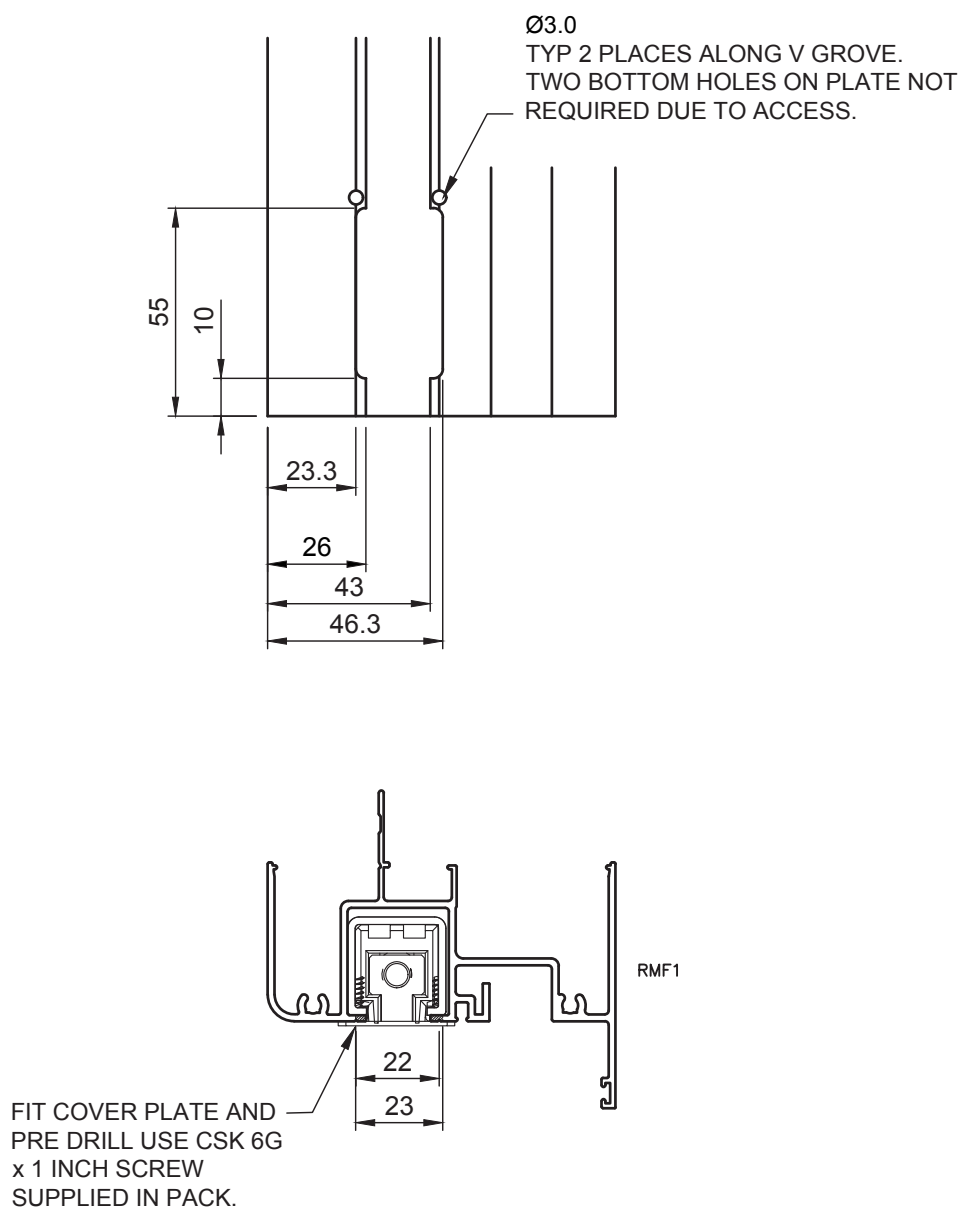
Note: Cutting formulas are exactly the same for double glazed glass selection.

Jamb Preparation - Head, Std Sill, Low Sill



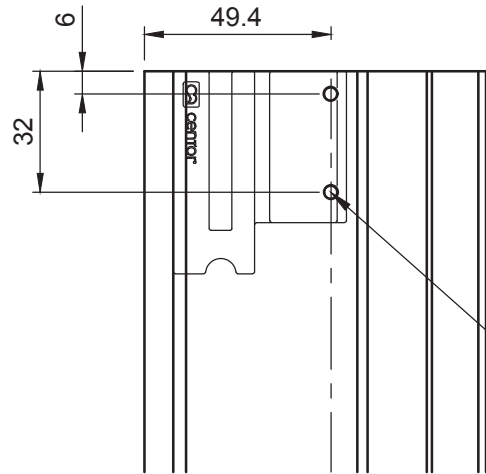
10. Manufacturing Details

End Pivot Head Machining RMF1

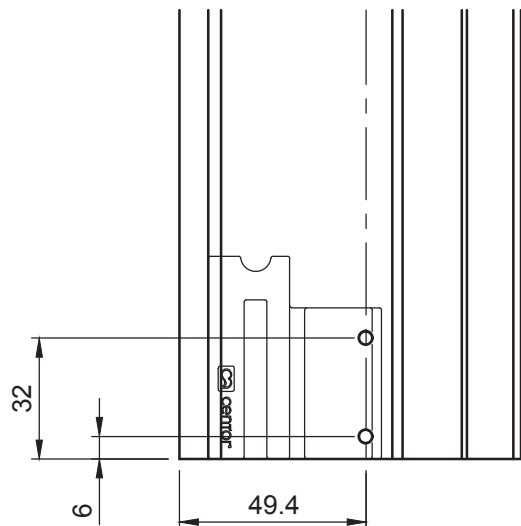


10. Manufacturing Details

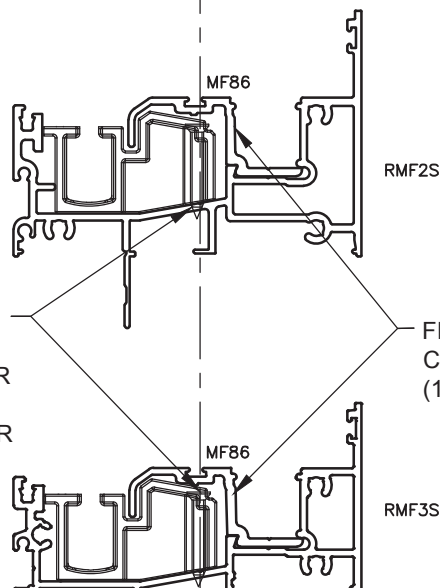
End Pivot Sill Machining RMF2S or RMF3S



LHS DRILLING DETAIL
NOTE: DEFAULT BLOCK
SUPPLIED ON HARDWARE



RHS DRILLING DETAIL
NOTE: USE RH PIVOT BLOCK
SUPPLIED IN PACK &
EXSITING LH BOLT.

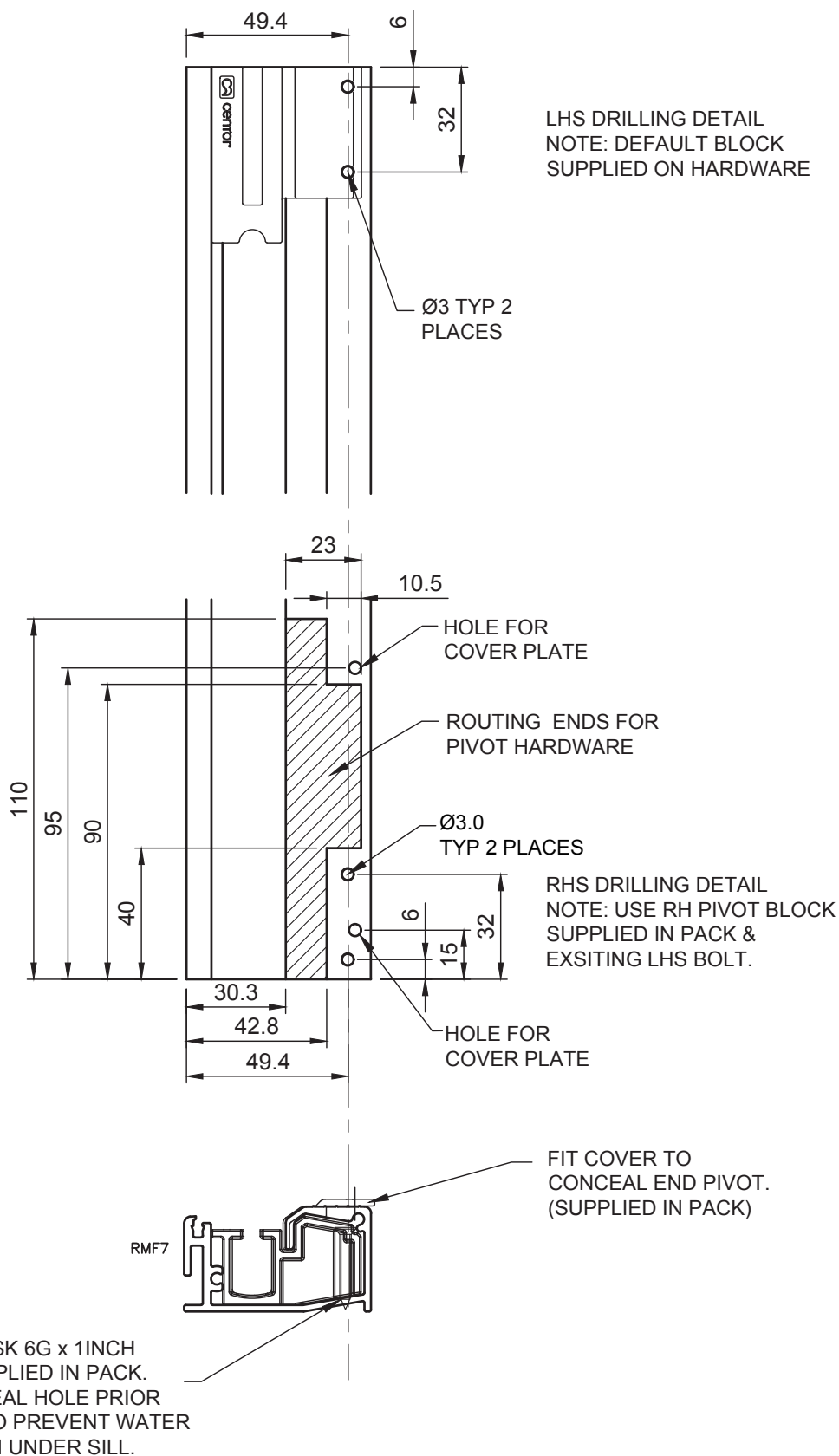


FIT USING CSK 6G x 1INCH
SCREW SUPPLIED IN PACK.
MUST PRESEAL HOLE PRIOR
TO FIXING TO PREVENT
WATER PENETRAION UNDER
SILL/REVEAL.

FIT MF86 COVER FIRST TO
CONCEAL END PIVOT.
(120MM LONG)

10. Manufacturing Details

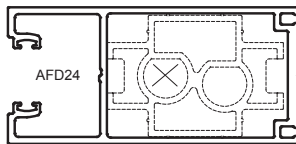
End Pivot Sill Machining RMF7



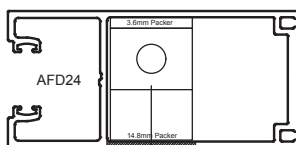
10. Manufacturing Details

Twin Bolt Lock Preparation - Killarra

NOTE: ALSO APPLIES TO DOUBLE
GLAZE STILE EXTRUSIONS AFD14

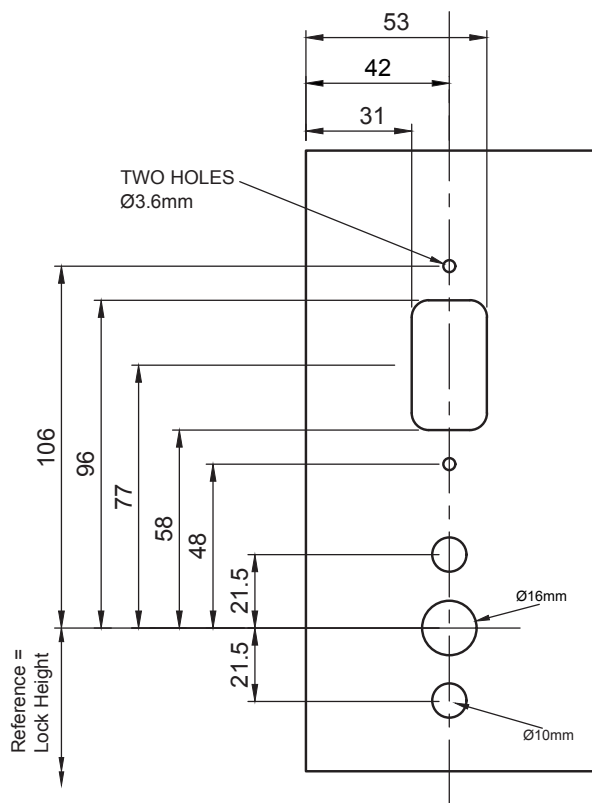


END FITMENTS



MIDDLE FITMENT

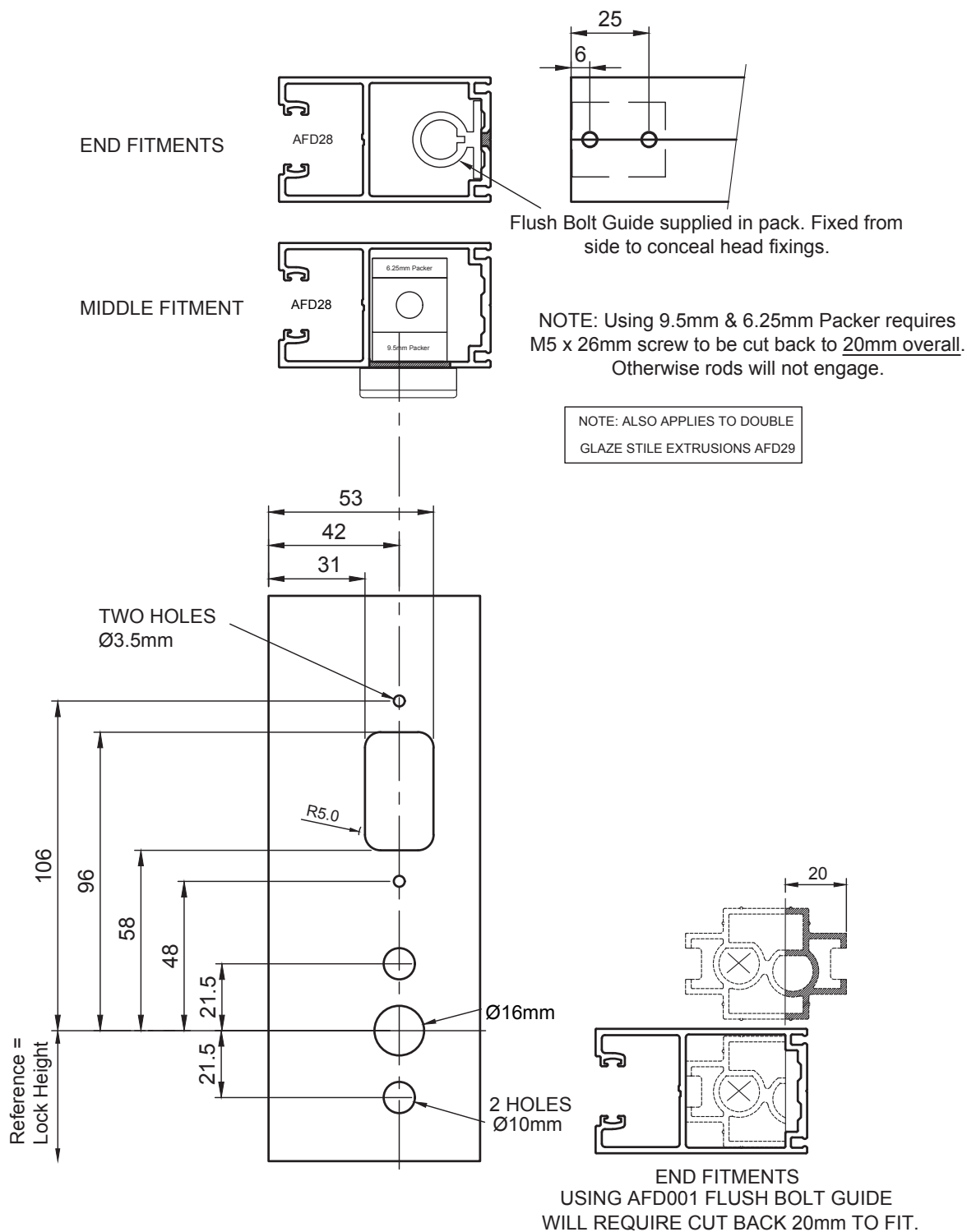
NOTE: For Stile heights less than 1500mm, ensure rods are vertically centered to ensure smooth operation of the handle, otherwise rods will not engage.



NOTE: Using 14.8mm Packer is only suitable for panel heights of 2m and above. Use Std M5 x 26mm screw for fitting.

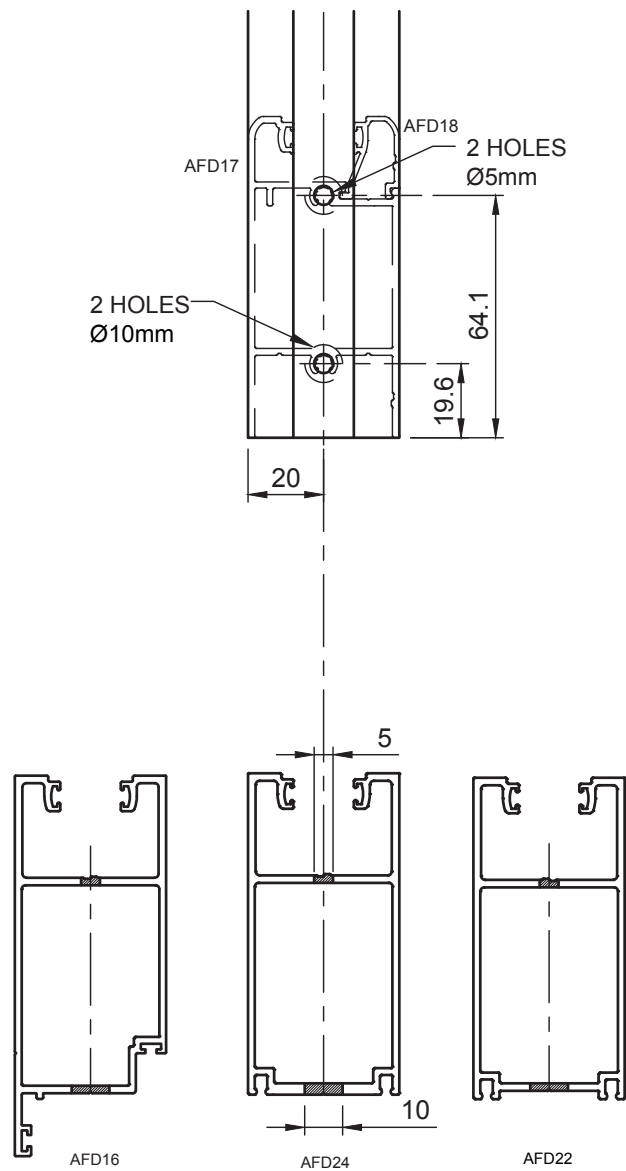
10. Manufacturing Details

Twin Bolt Lock Preparation - Killarra - Narrow Stile



NOTE: Using the 14.8mm packer in the kit option is only suitable for panel heights of 2m and above. Use Std M5 x 26mm screw for fitting.

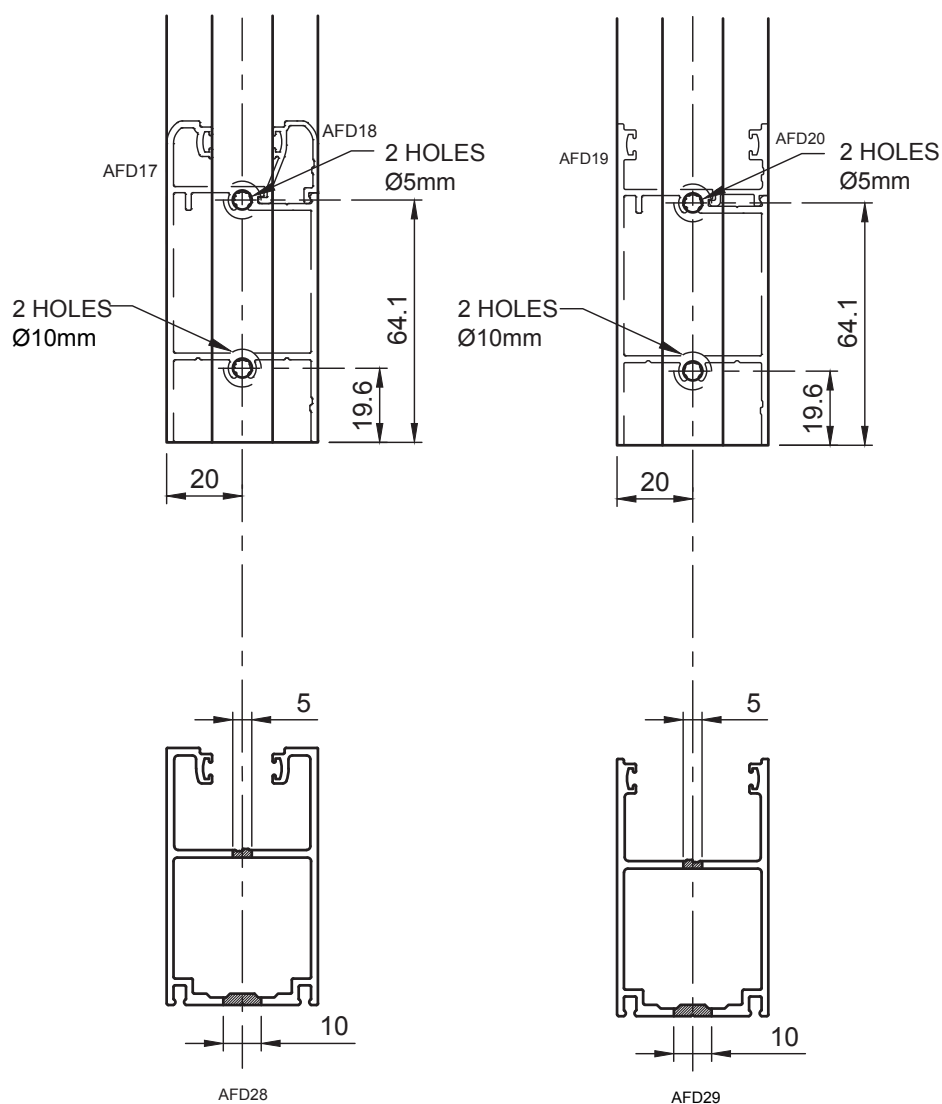
Stile End Preparation - Screw Fixing Location



NOTE: ALSO APPLIES TO DOUBLE GLAZE STILE EXTRUSIONS AFD12, AFD21 & AFD14

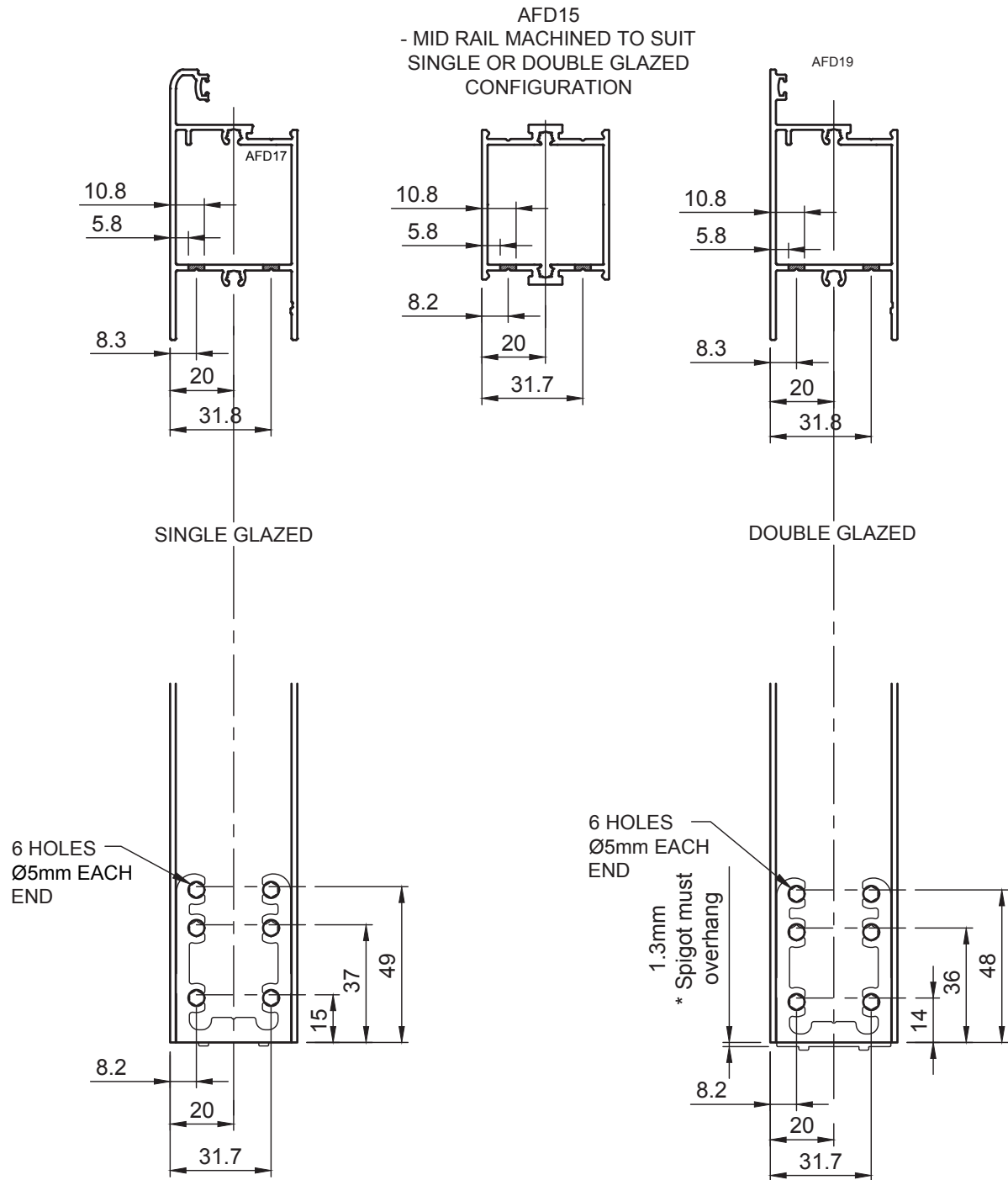
10. Manufacturing Details

Narrow Stile End Preparation - Screw Fixing Location



10. Manufacturing Details

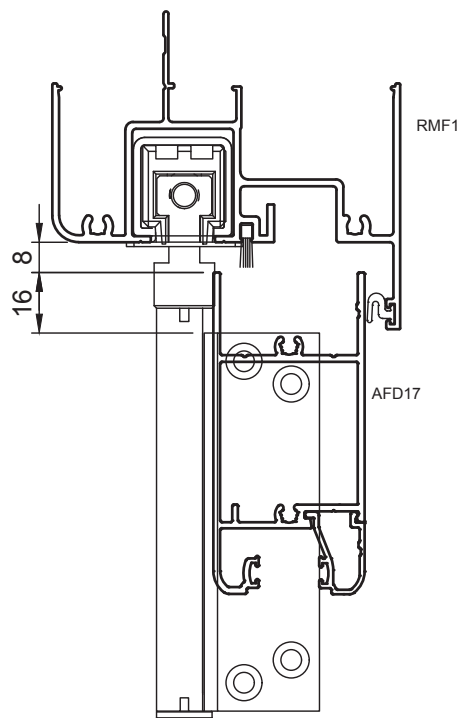
Rail / Mid Rail End Preparation - Spigot Fixing Location



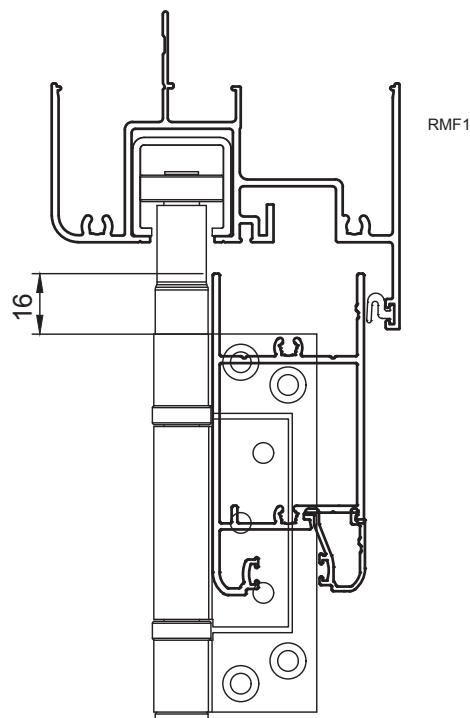
10. Manufacturing Details

Typical Hinge Mounting Details - F2/F3 Hinge Set S/Steel

END PIVOT SET

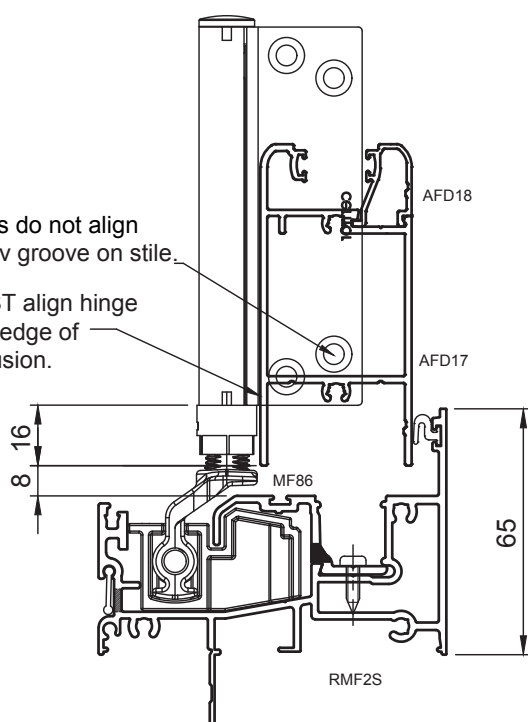


INTERMEDIATE CARRIER SET

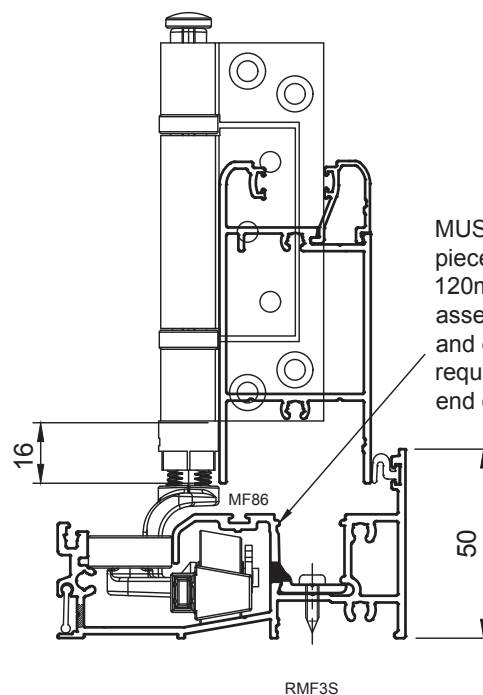


Holes do not align
with v groove on stile.

MUST align hinge
with edge of
extrusion.

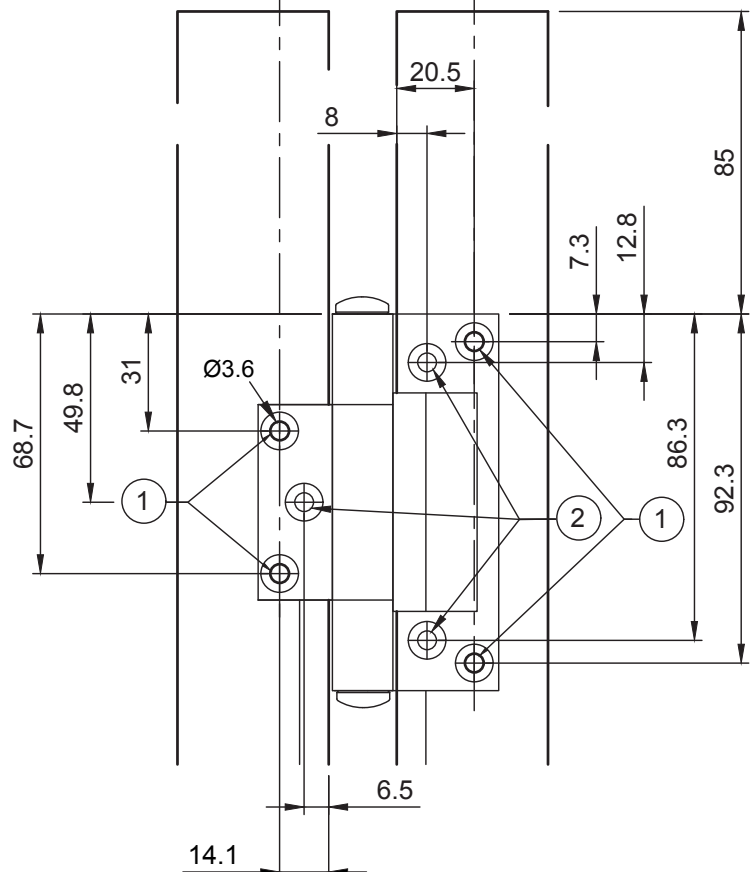
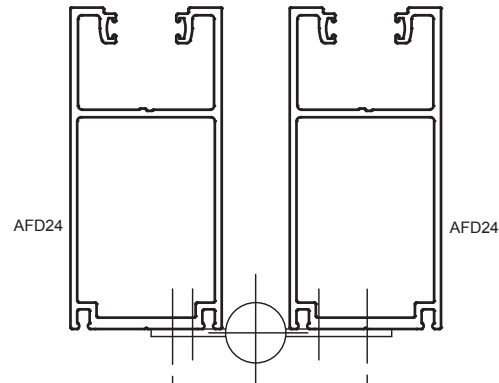
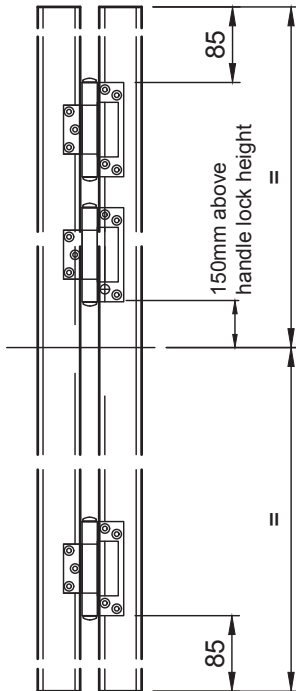


MUST cut end
piece of MF86
120mm long for
assembly of panels
and end pivot. Only
required for pivot
end only.



10. Manufacturing Details

Typical Hinge Mounting Details - F2/F3 Hinge Set S/Steel



HINGE FITTING SEQUENCE

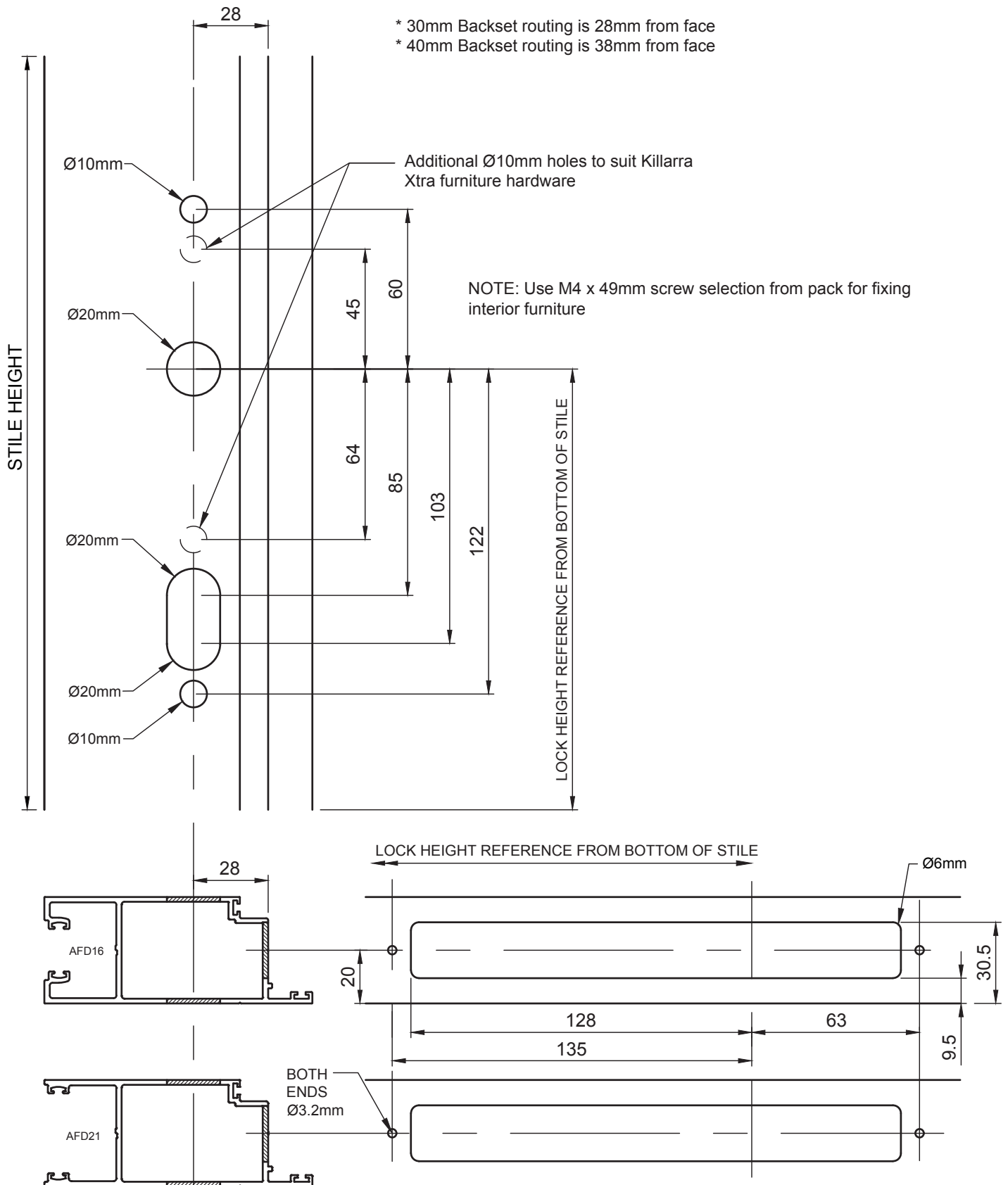
DRILL 4 HOLES MARKED ①
3.6mm AND FIT U/CUT SCREWS
8G x 1/2 (1382022)

DRILL 3 HOLES MARKED ②
3.6mm AND FIT U/CUT SCREWS
8G x 1/2 (1382022)

NOTE: SCREW FITTING SEQUENCE
IS CRITICAL TO ACHIEVE CORRECT
AIR SEAL AND WATER RATING

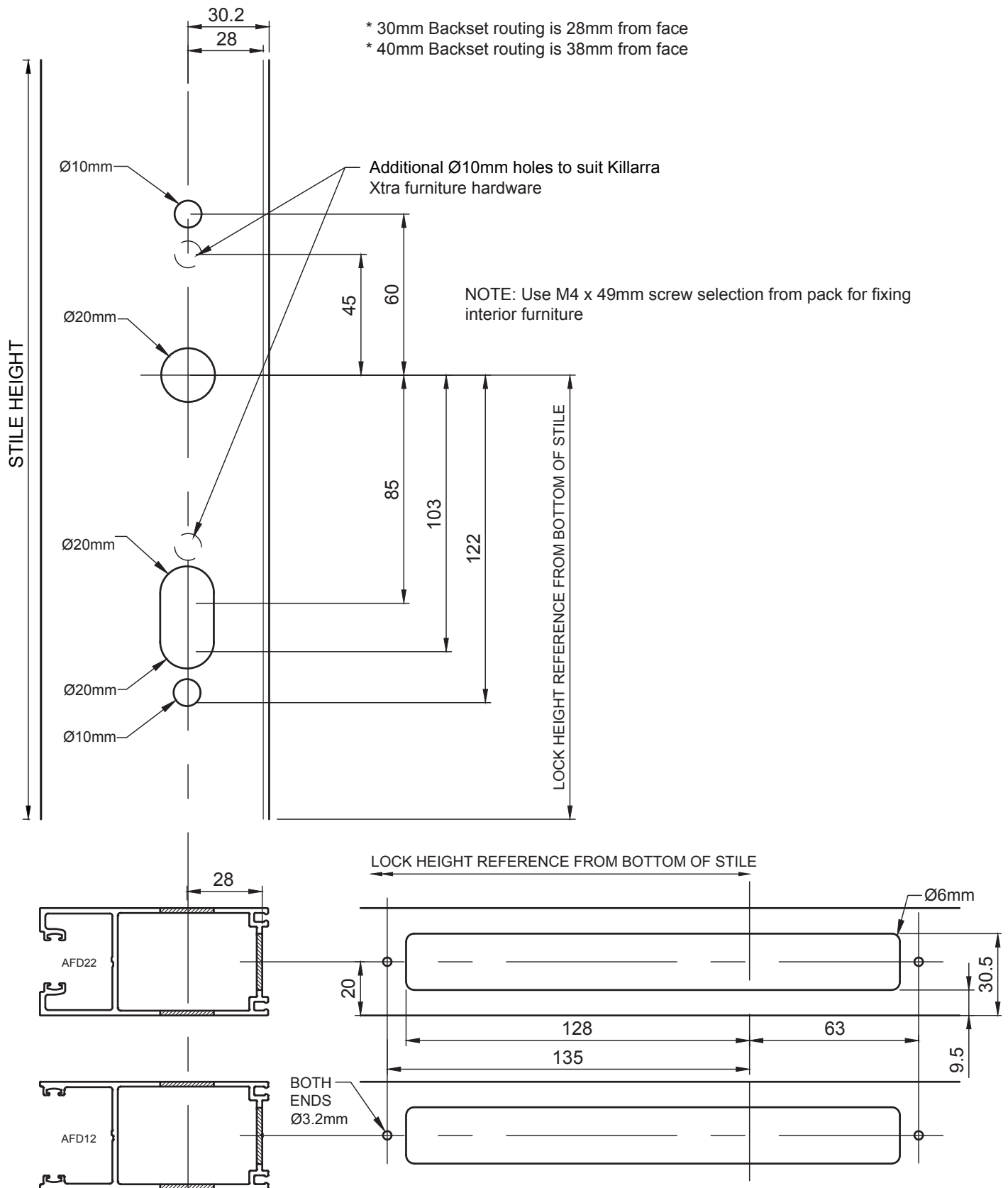
10. Manufacturing Details

Meeting Lock Stile Preparation - Killarra Machining Detail



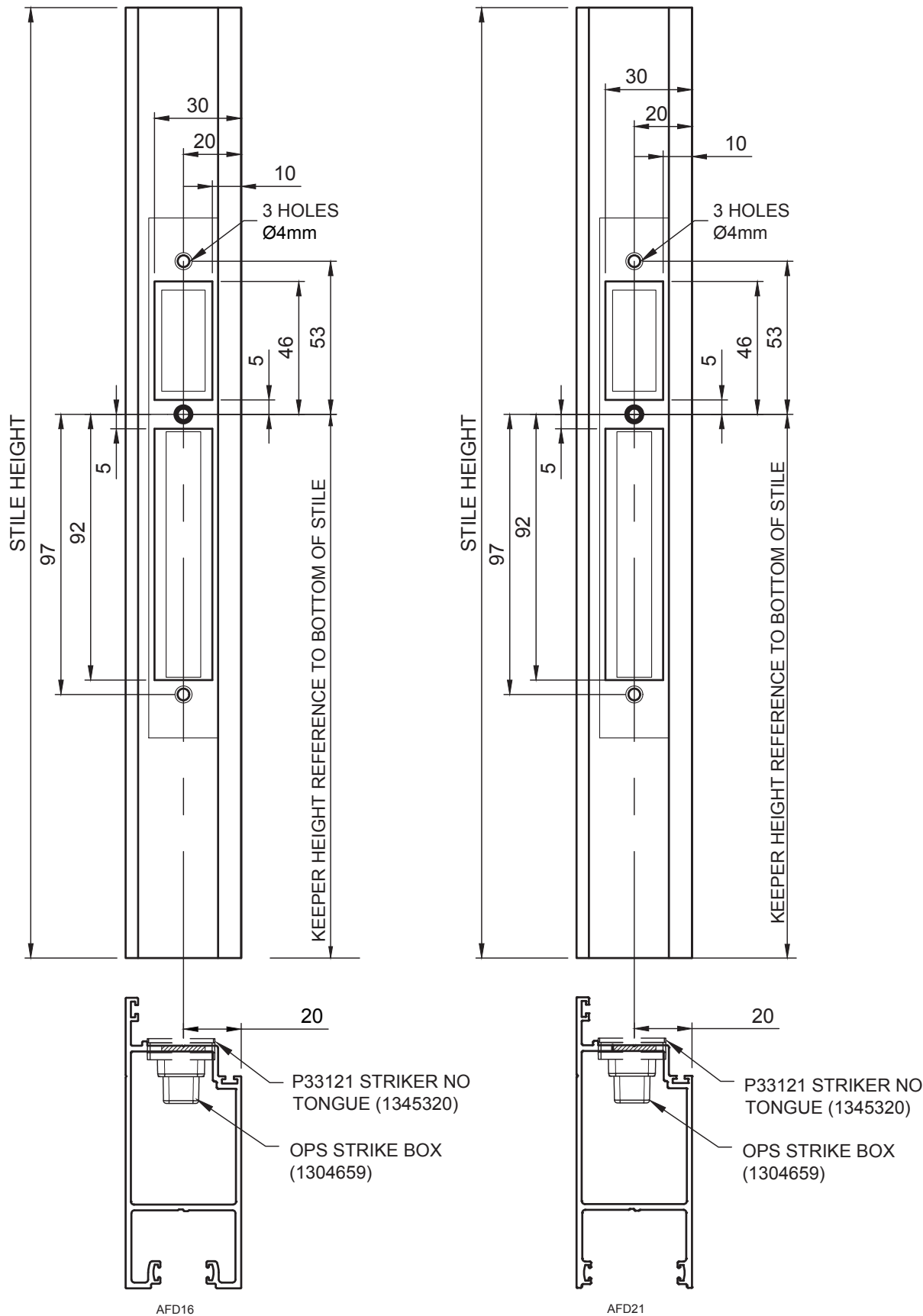
10. Manufacturing Details

Jamb Lock Stile Preparation - Killarra Machining Detail

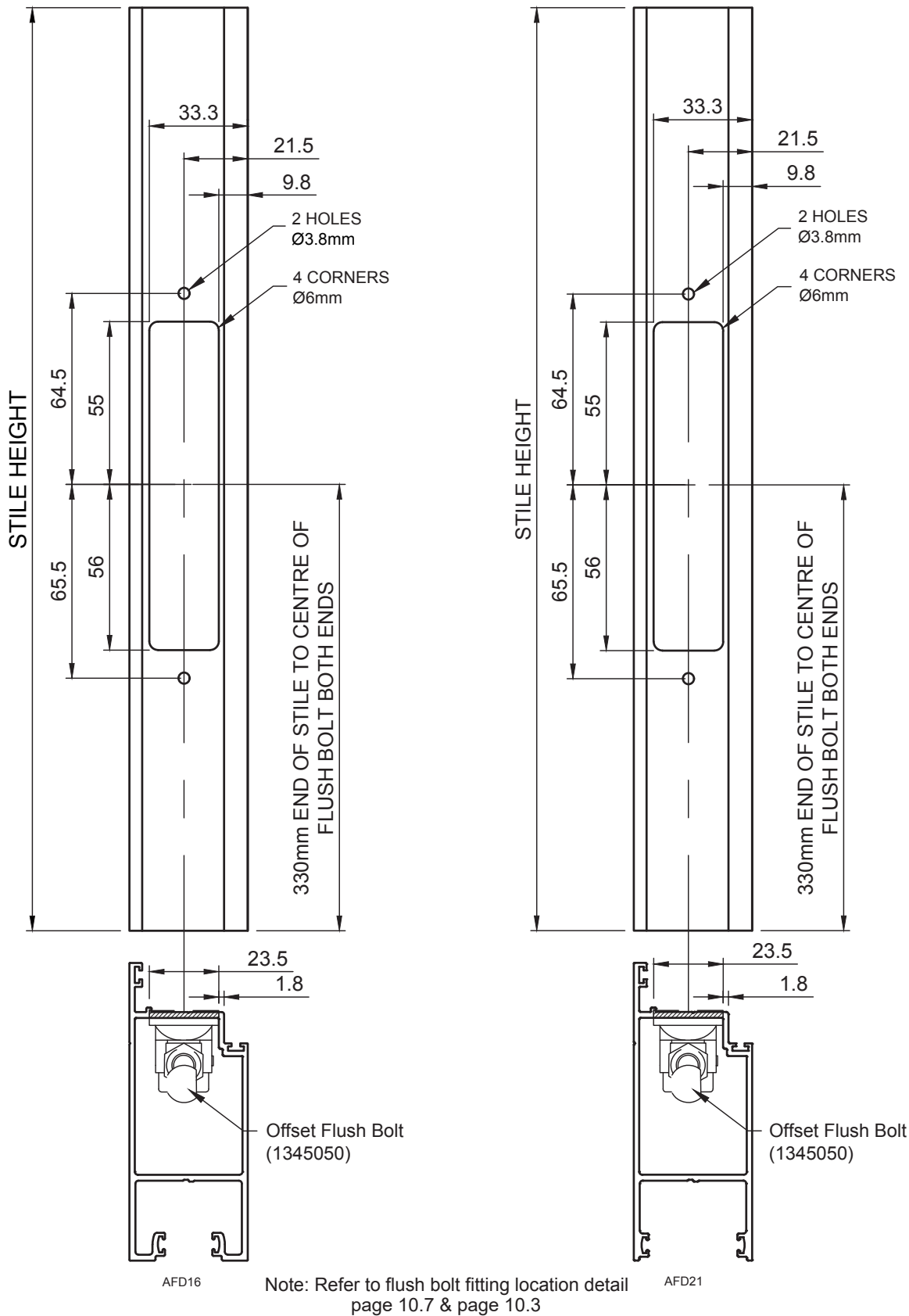


10. Manufacturing Details

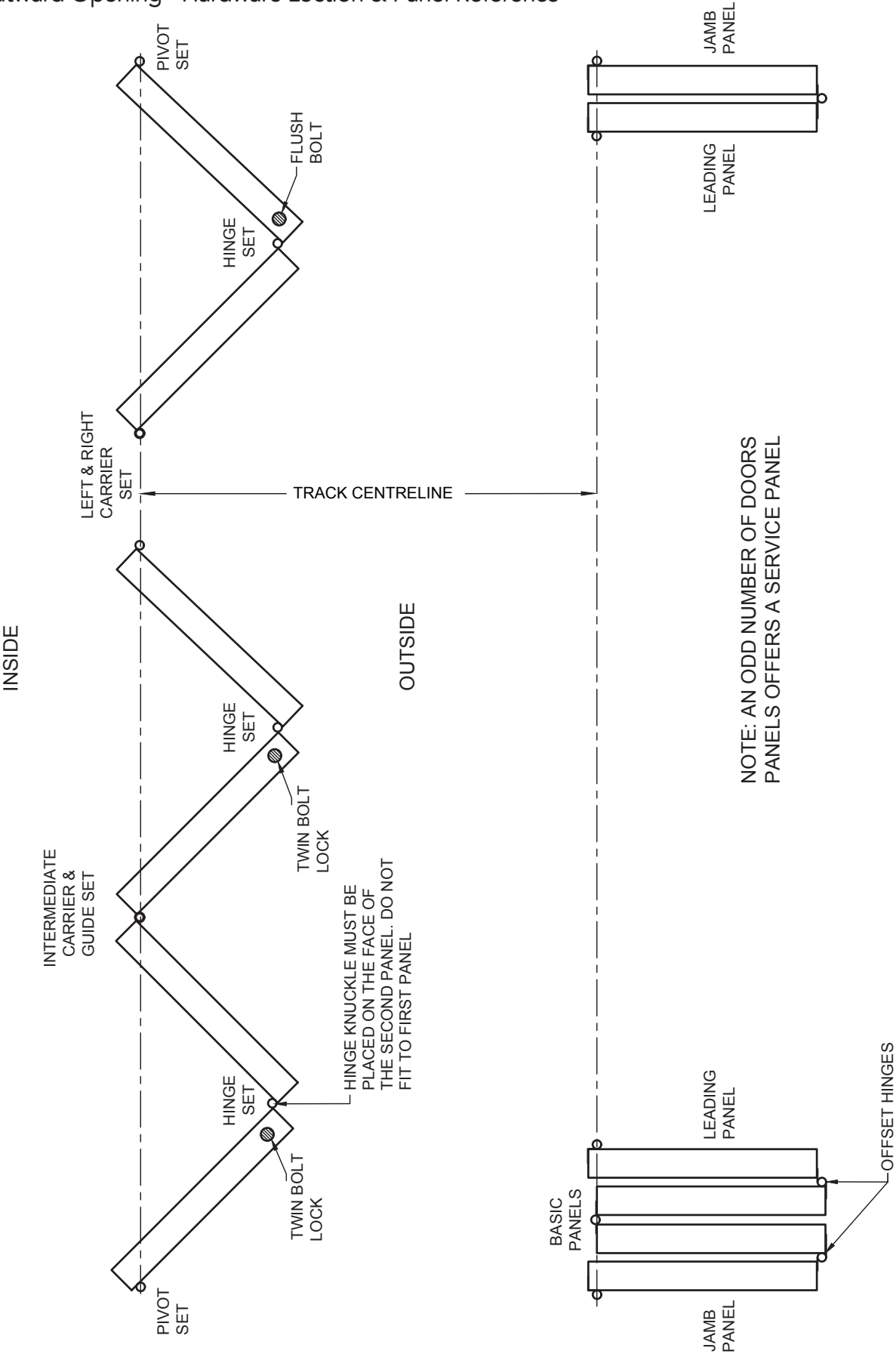
Fixed Meeting Stile Preparation - Keeper Machining



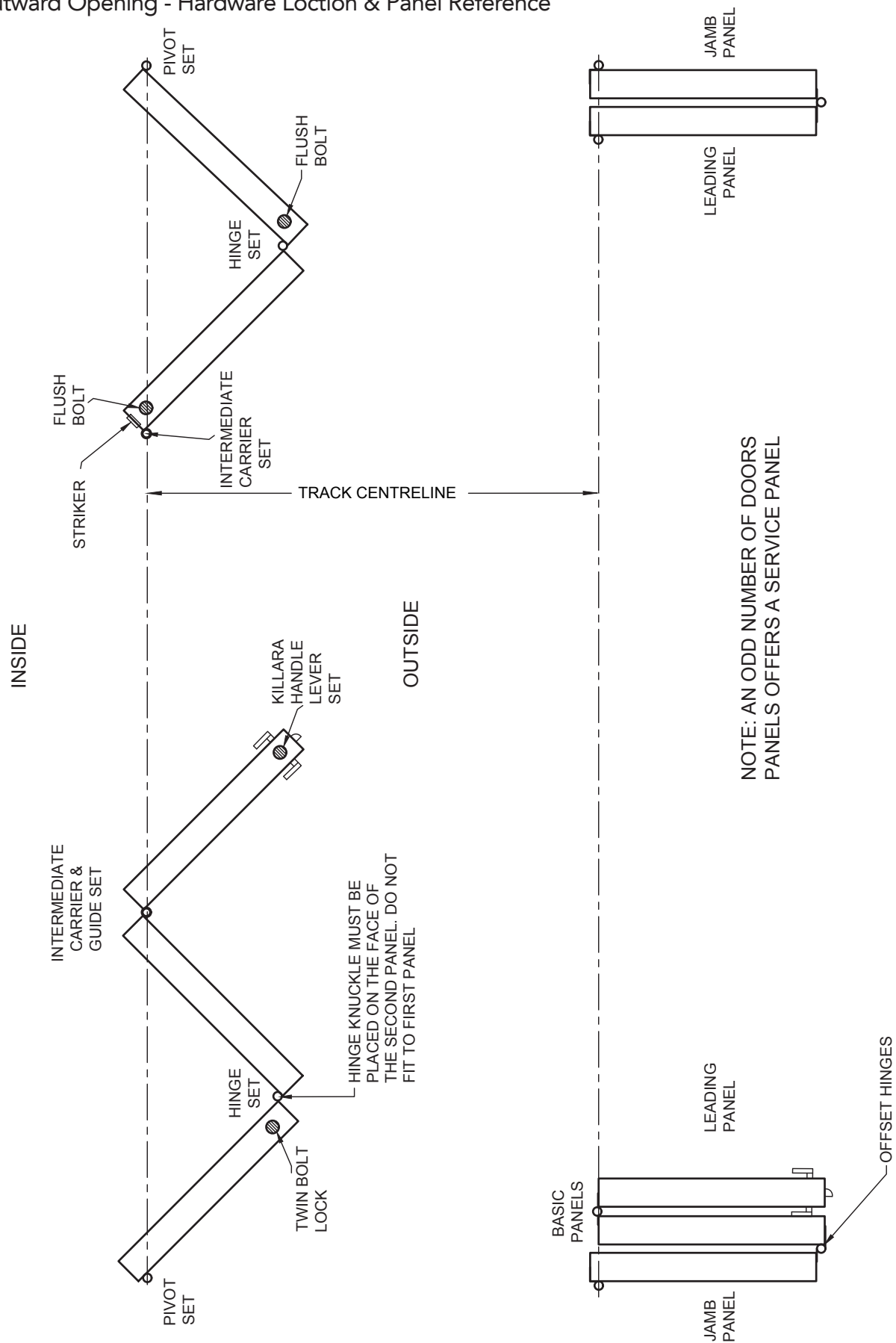
Fixed Meeting Stile Preparation - Bolt Flush Machining



Outward Opening - Hardware Location & Panel Reference

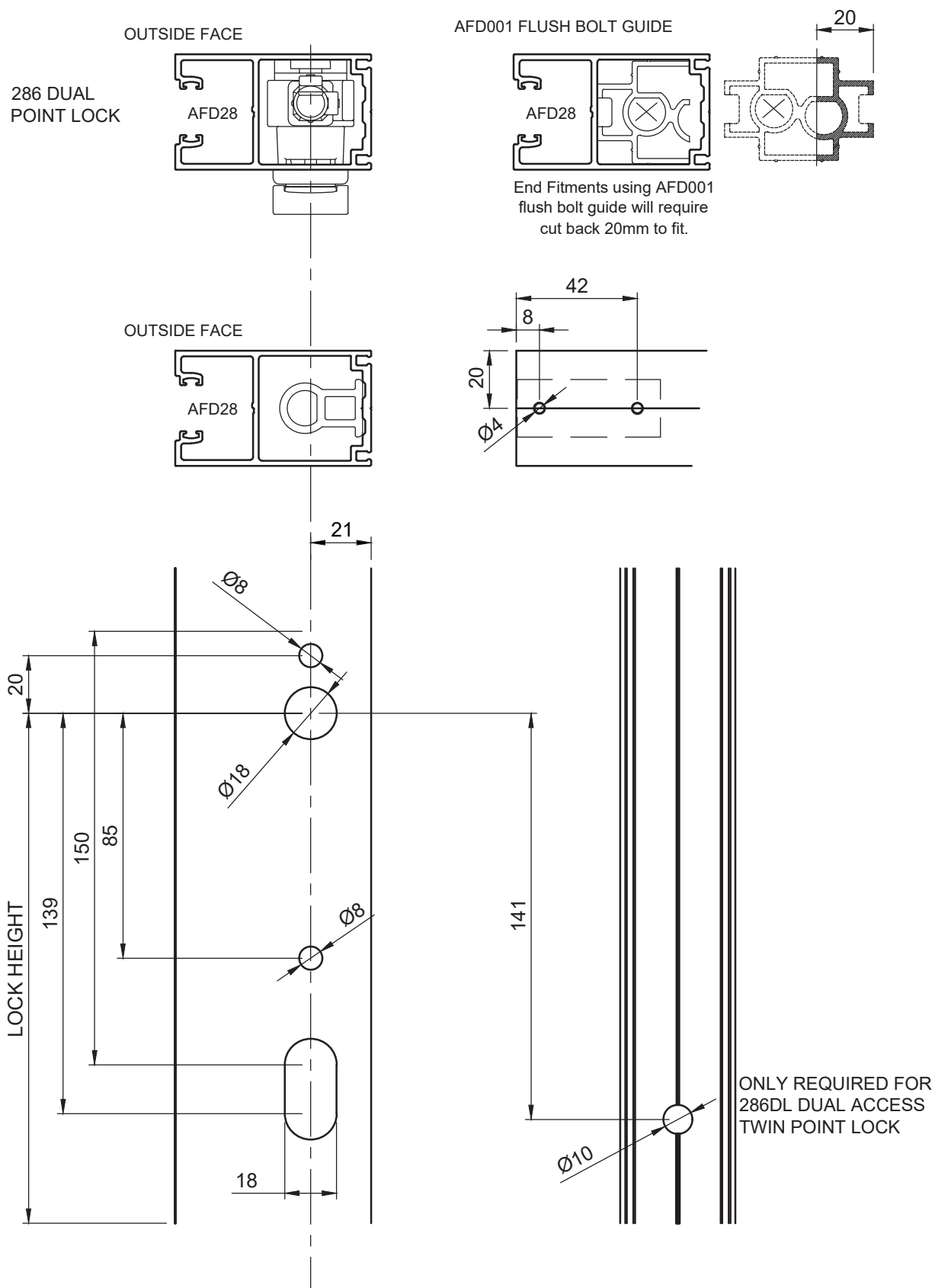


Outward Opening - Hardware Location & Panel Reference

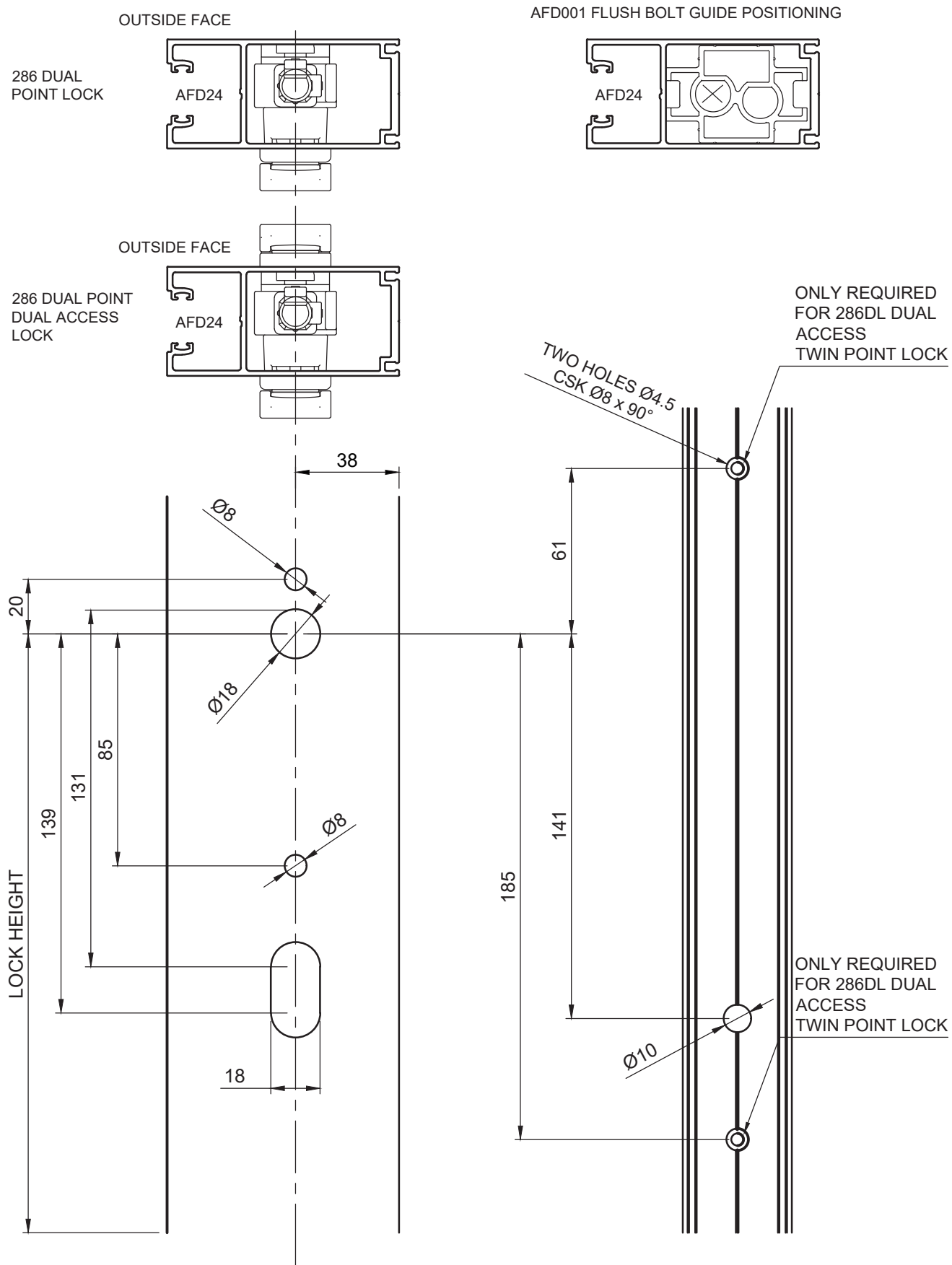


10. Manufacturing Details

Twin Bolt Lock Preparation - Brio 286 - Window Stile



Twin Bolt Lock Preparation - Brio - 286 & 286DL

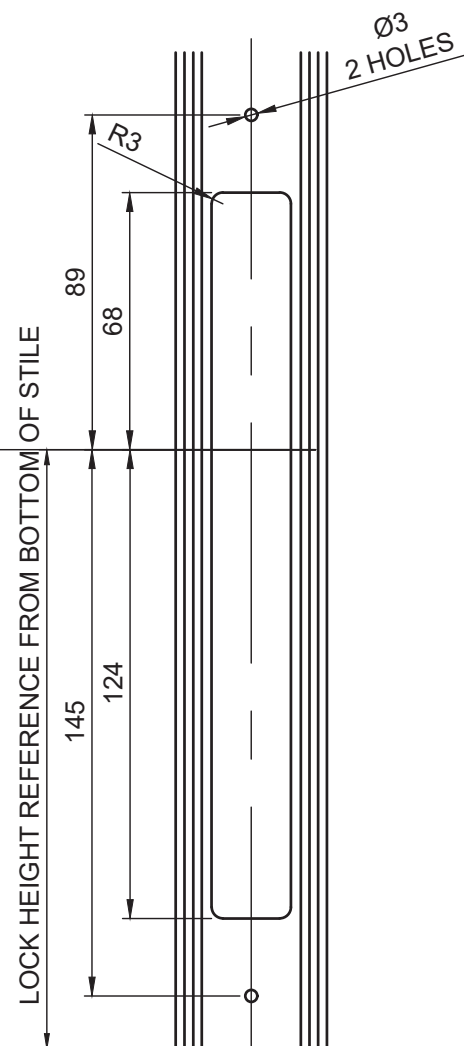
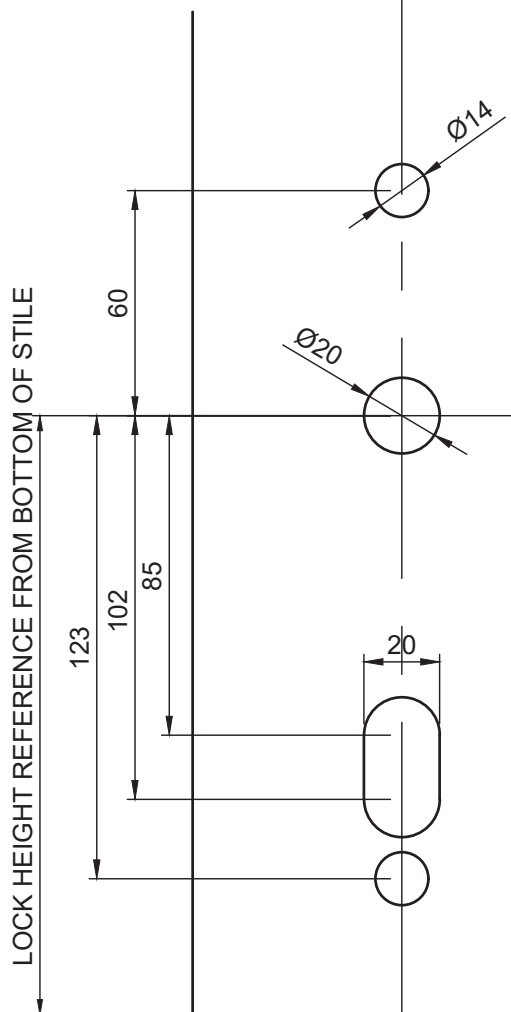
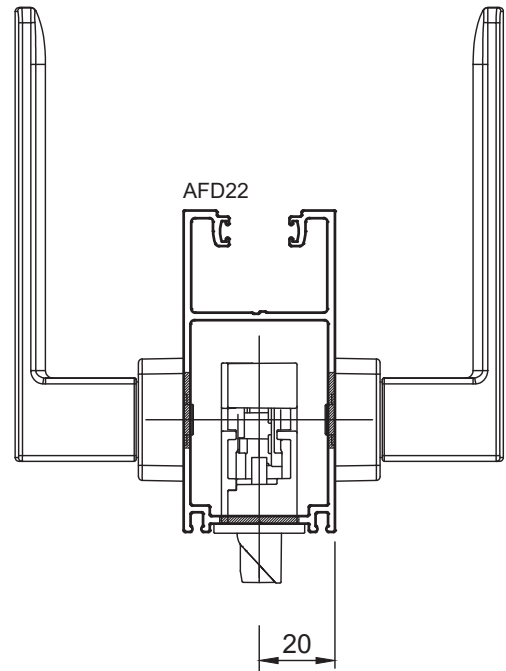
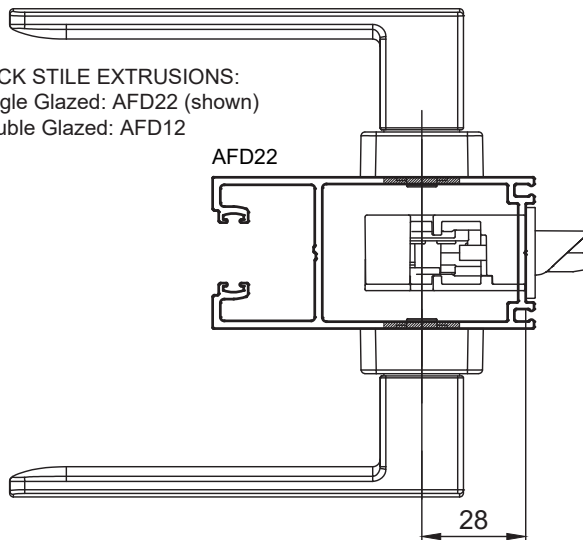


10. Manufacturing Details

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

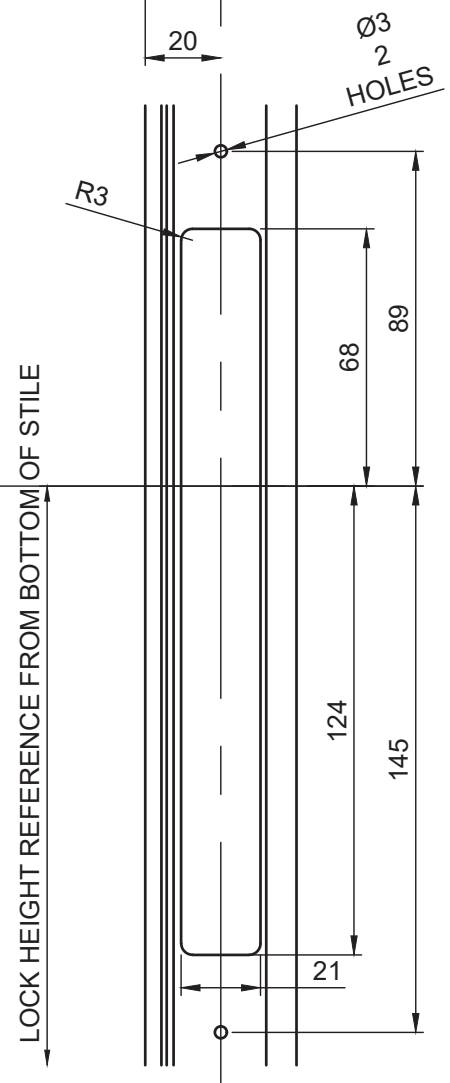
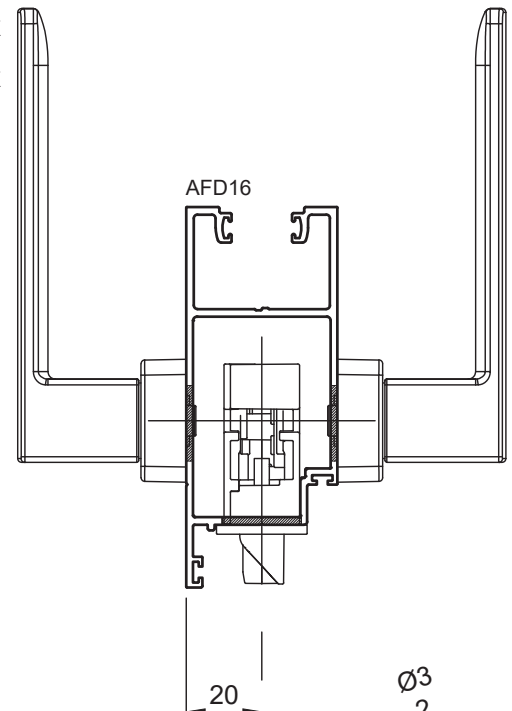
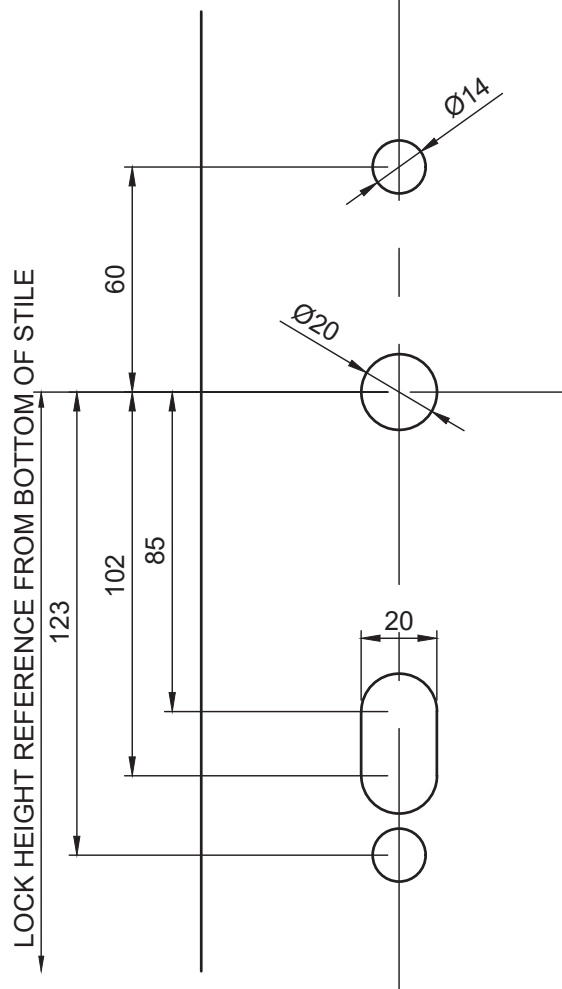
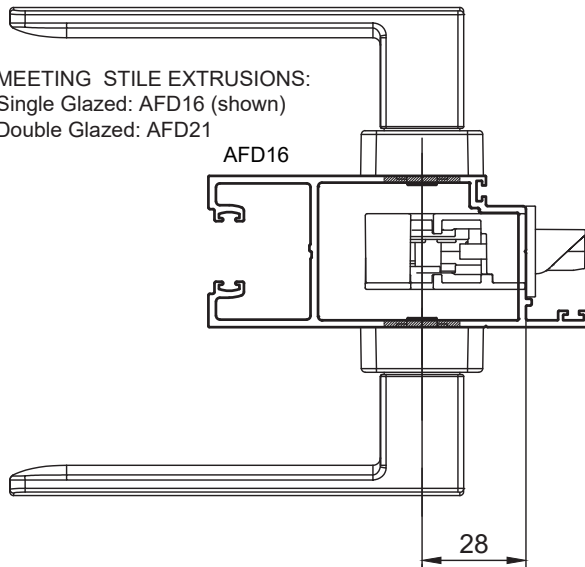


10. Manufacturing Details

Meeting Stile Preparation - Verta Hinged Door Kit

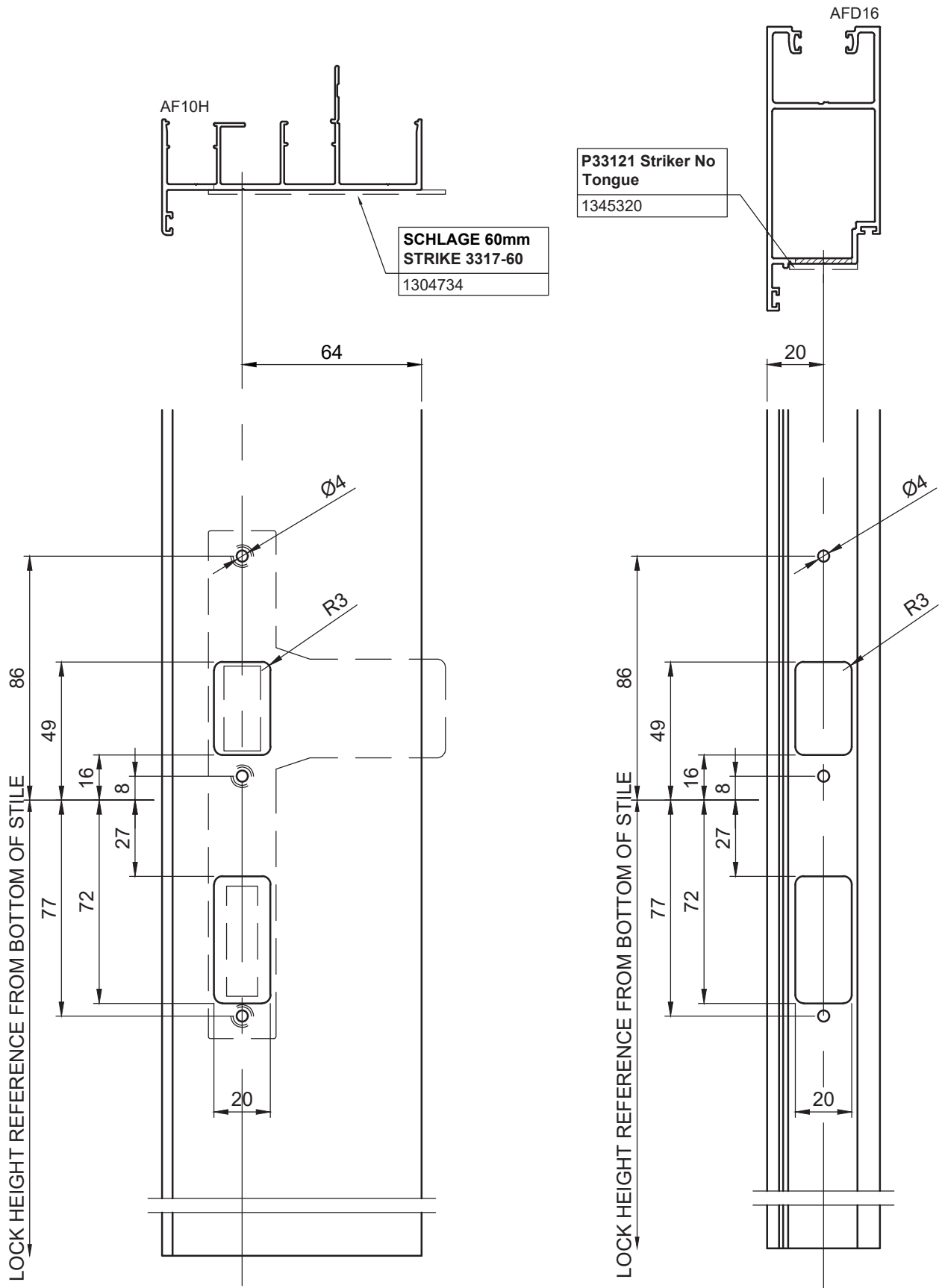
1308457 VERTA 2PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT PVD BLK
1308474 VERTA 2PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT SS
1308458 VERTA 4PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT PVD BLK
1308463 VERTA 4PT HINGED DOOR 30mm B/SET NO SNIB NO CYL KIT SS

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



10. Manufacturing Details

Jamb & Meeting Stile Preparation - Verta Hinged Door Kit



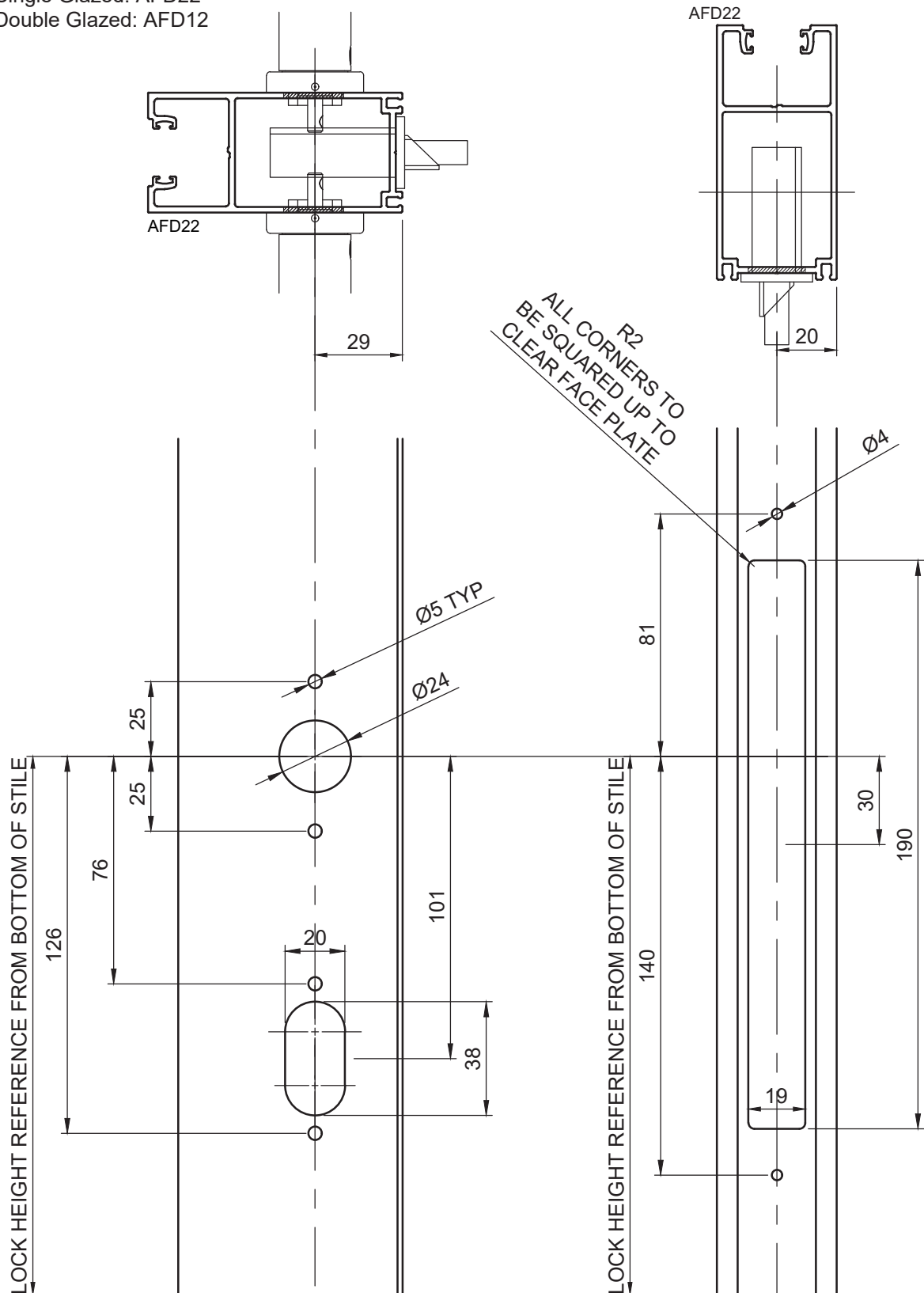
10. Manufacturing Details

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

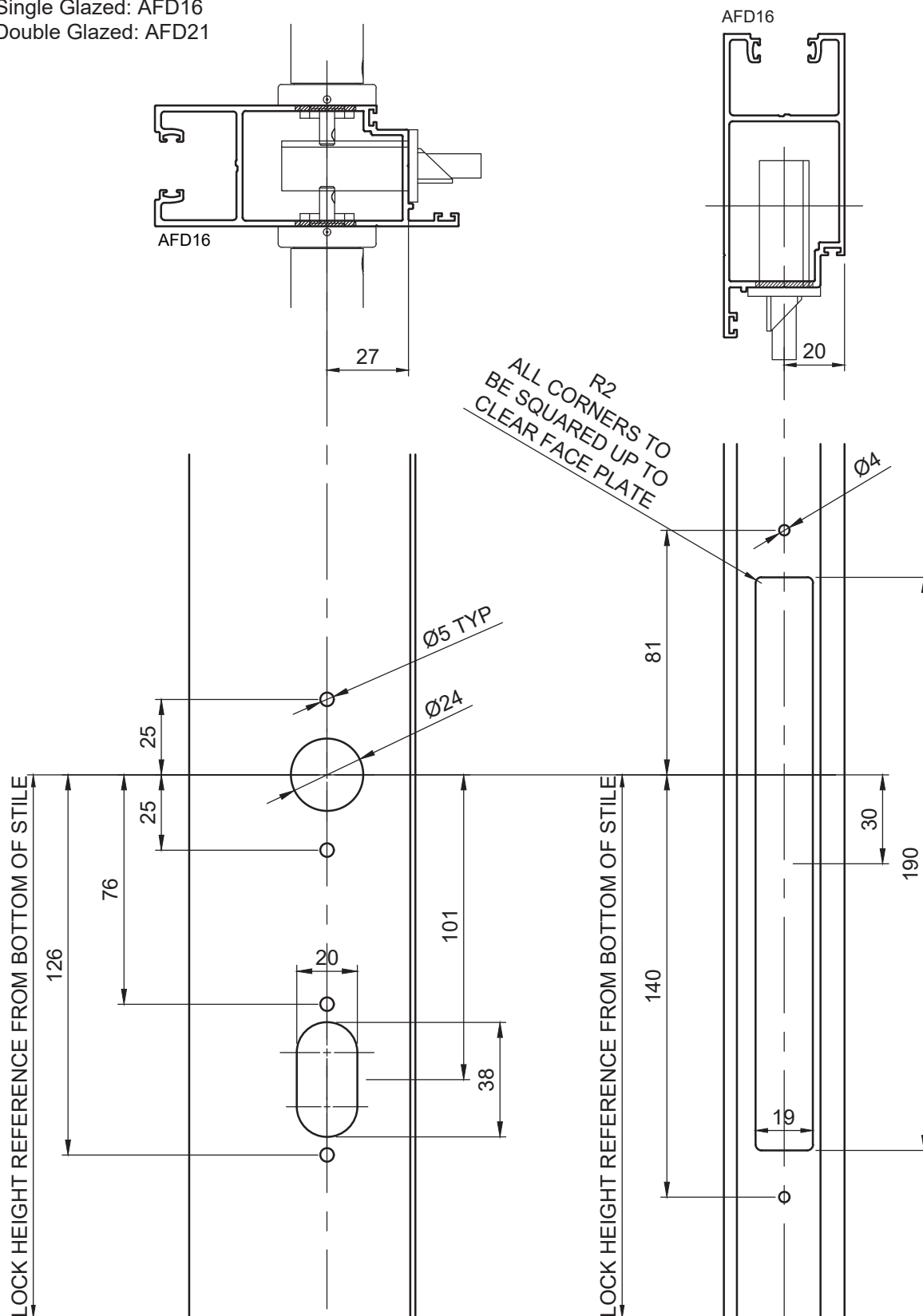
STILES:

Single Glazed: AFD22

Double Glazed: AFD12



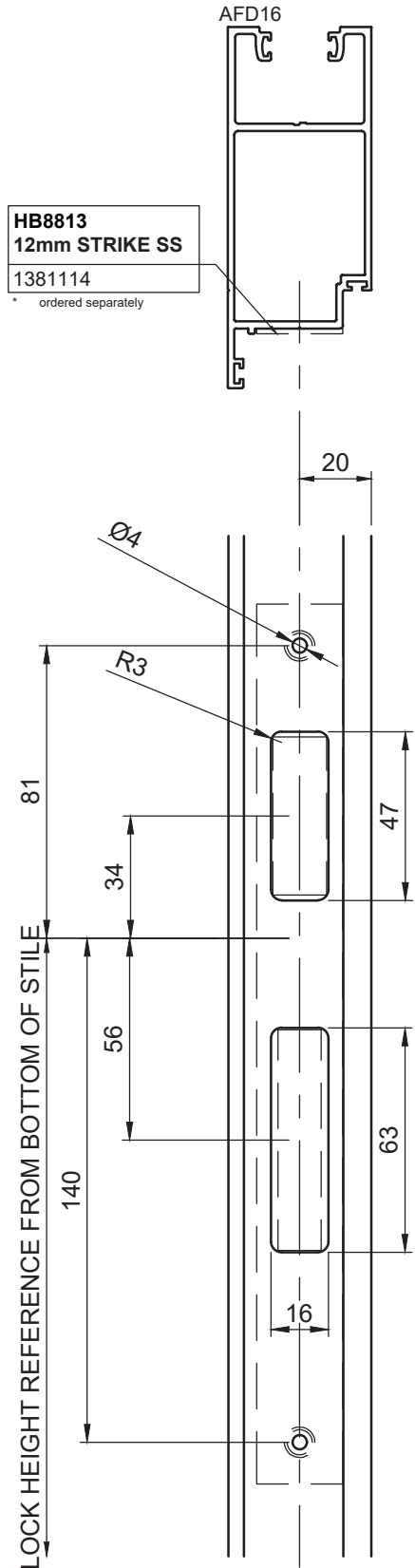
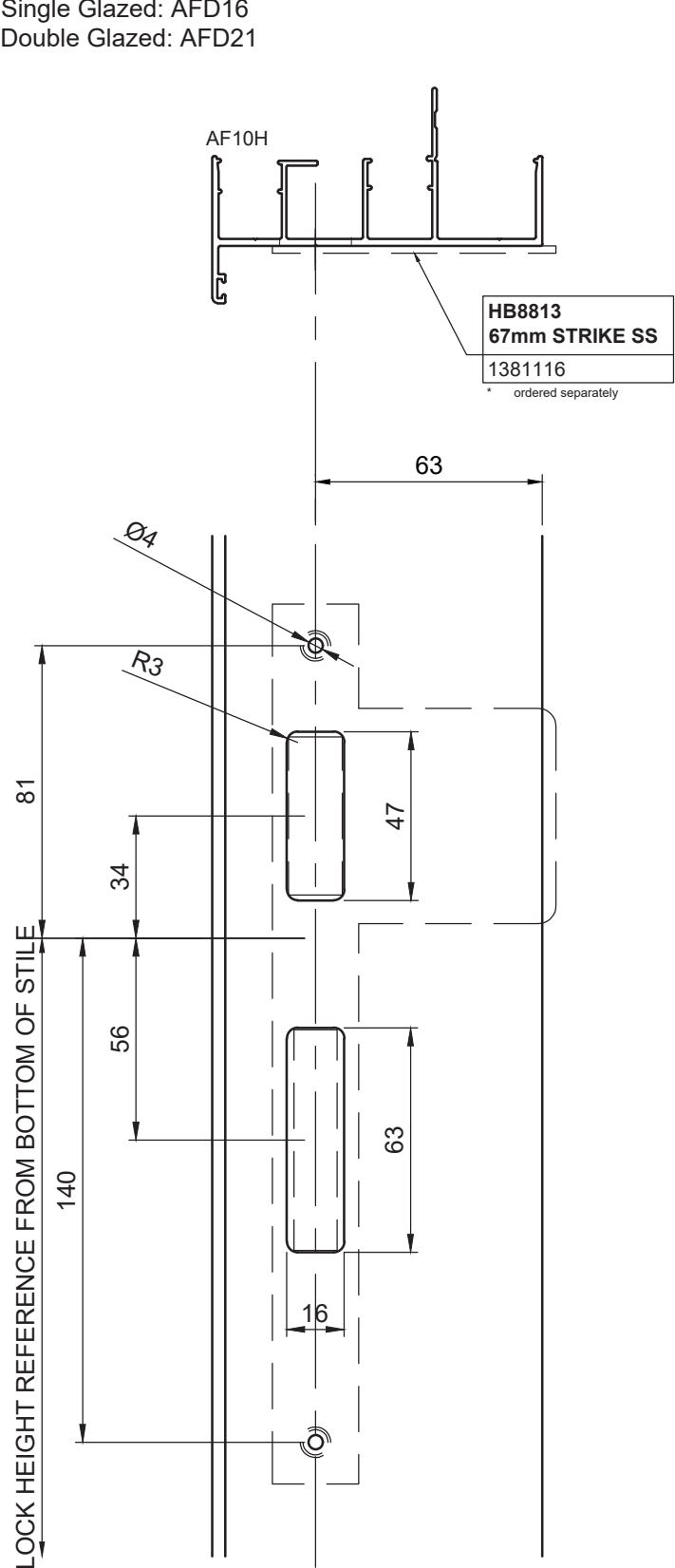
Double Glazed: AFD21



10. Manufacturing Details

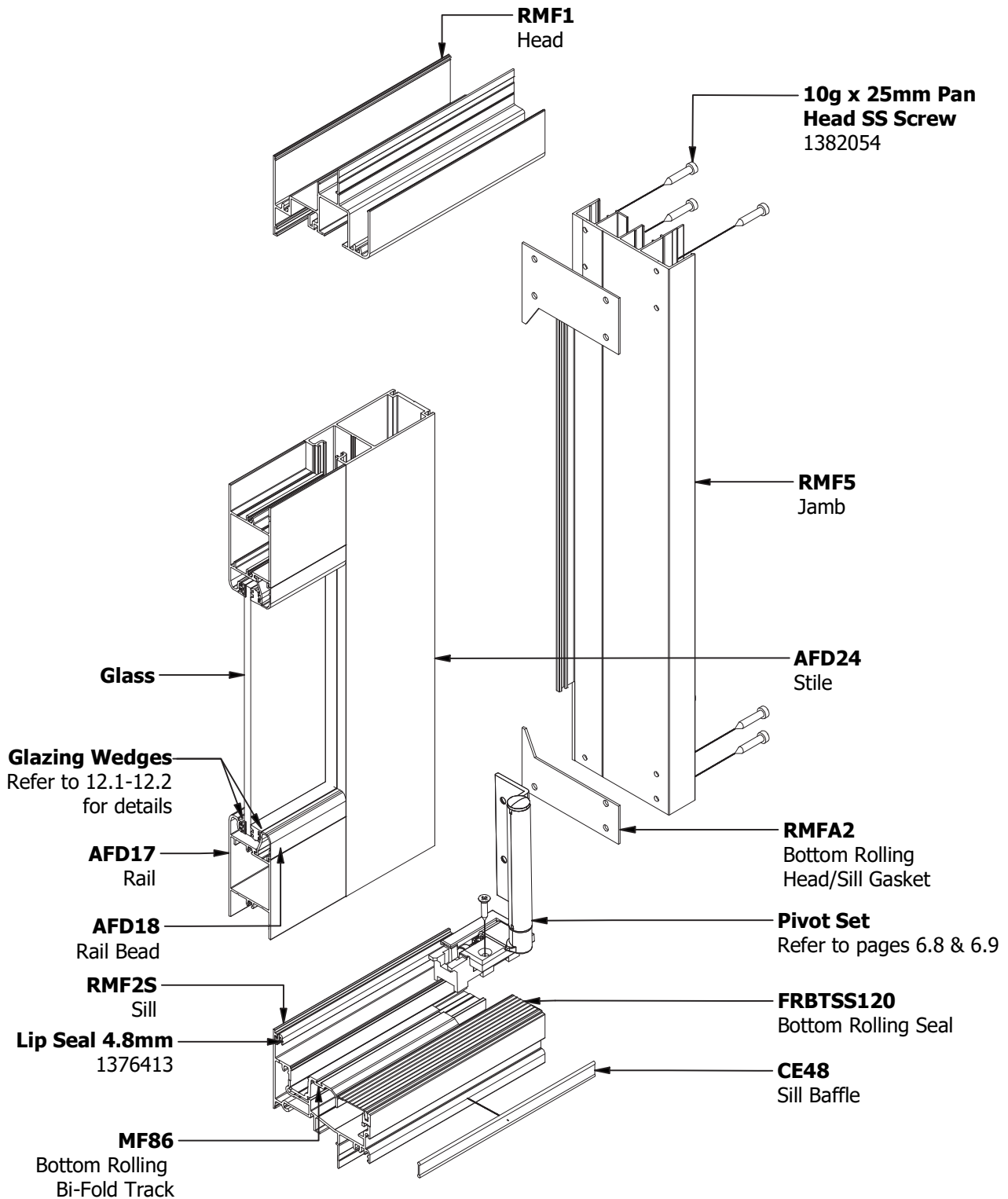
Jamb & Meeting Stile Preparation - HB8813 Striker Plates

MEETING STILES:
Single Glazed: AFD16
Double Glazed: AFD21



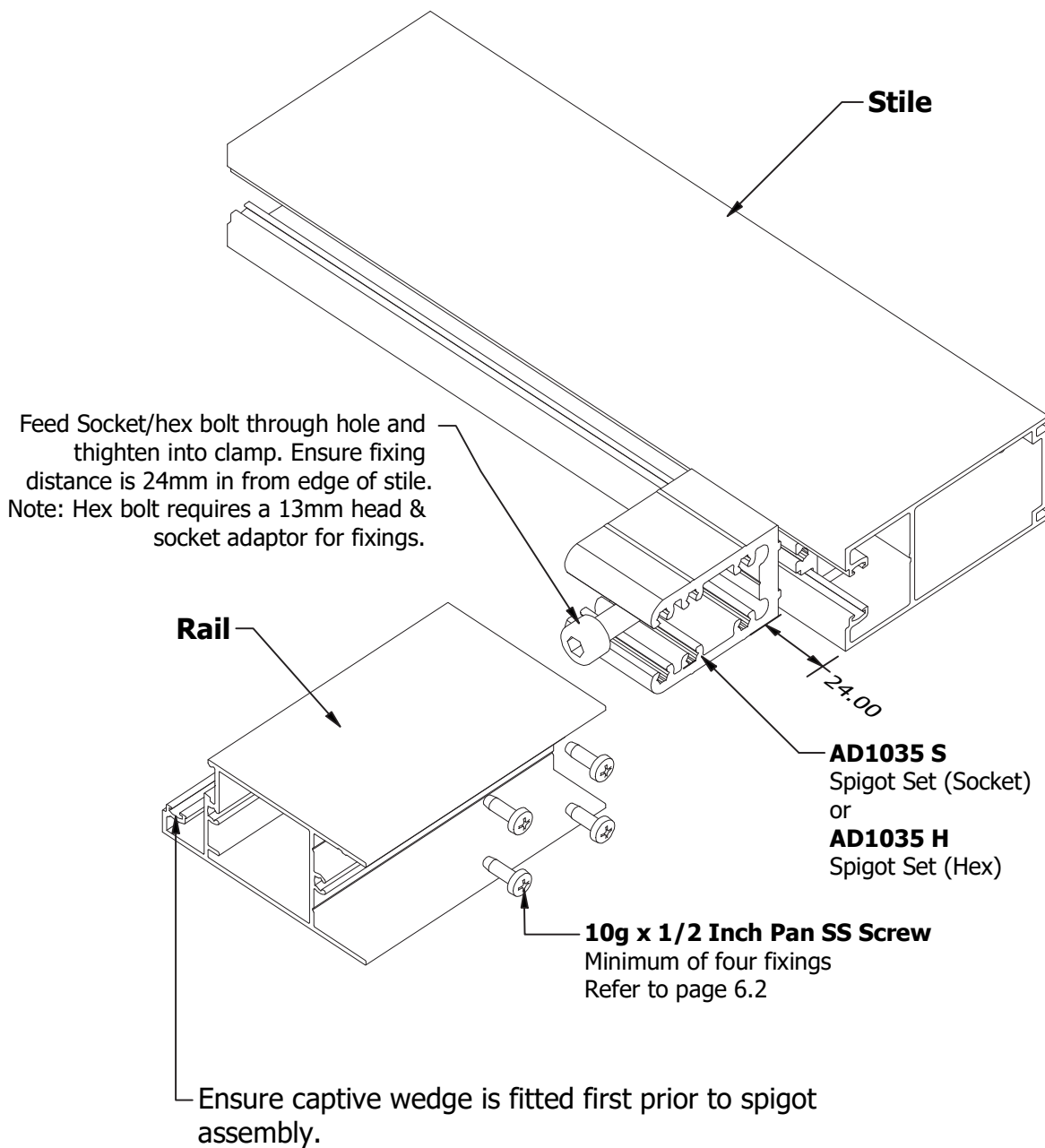
11. Assembly Details

Exploded Corner Assembly Detail



11. Assembly Details

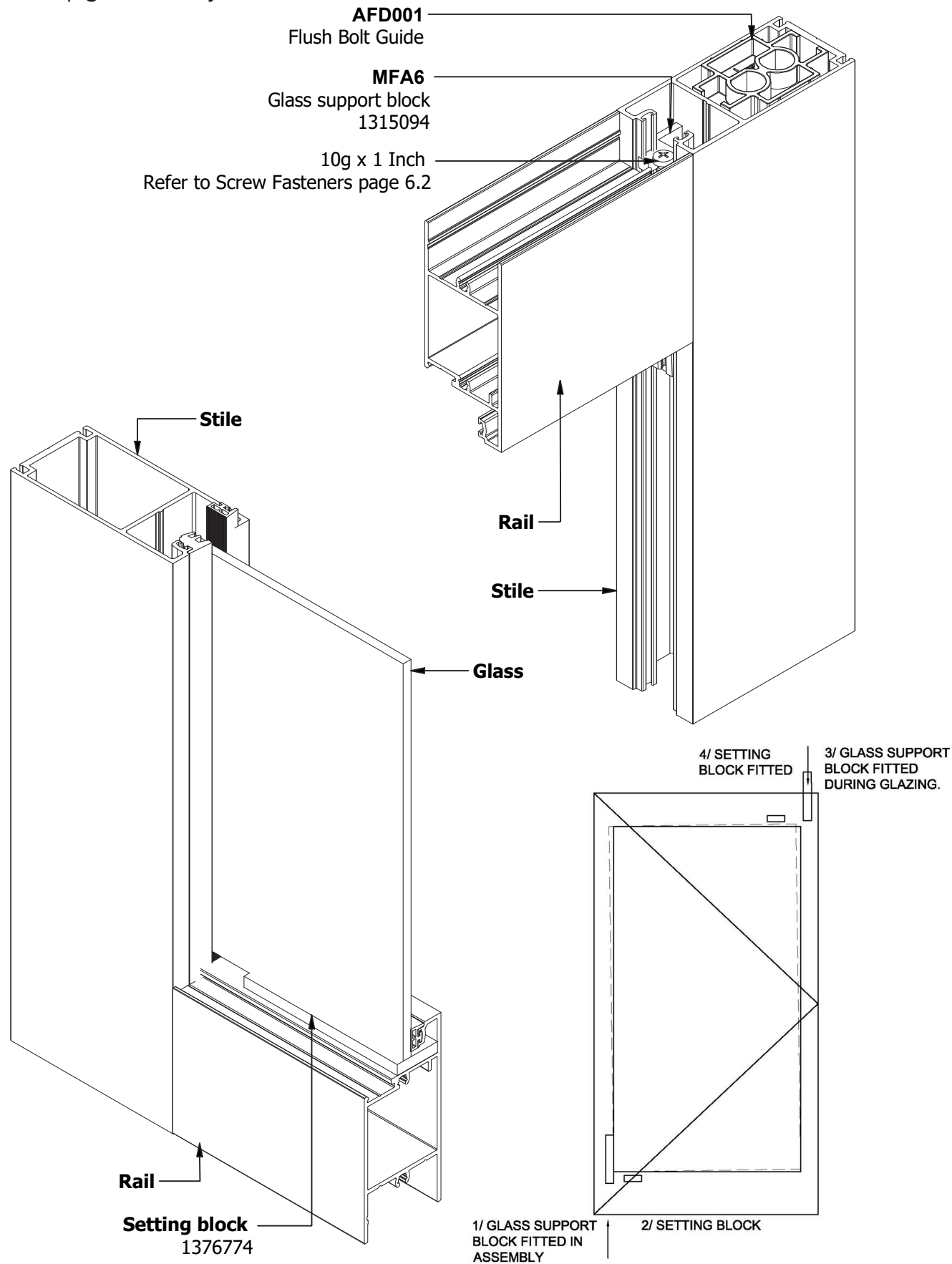
Glass Support Block Assembly (Spigot Only)



Note: Spigot is assembled straight to ensure flush finish with rail. Do not force while overtightening.

11. Assembly Details

Panel Spigot Assembly



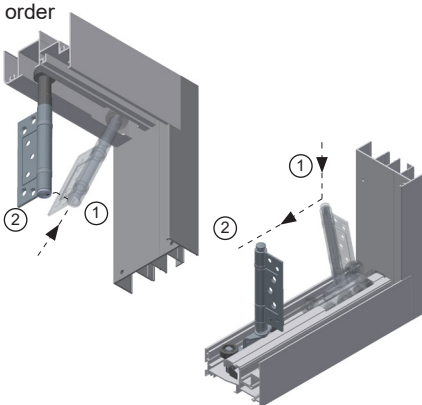
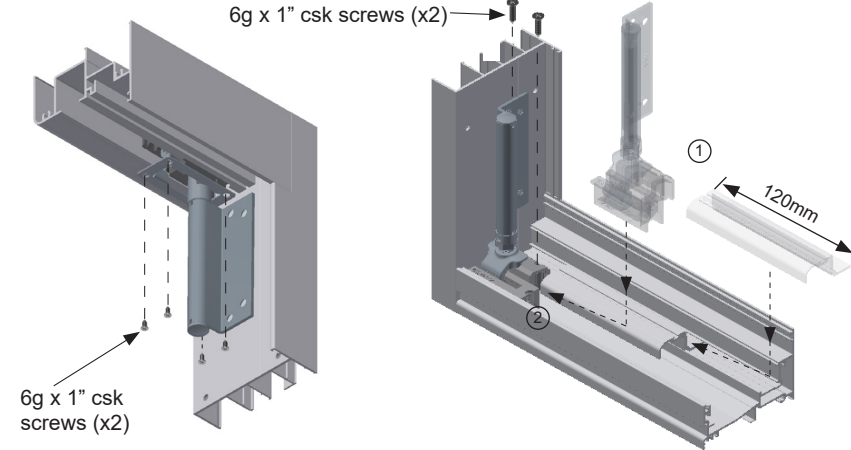
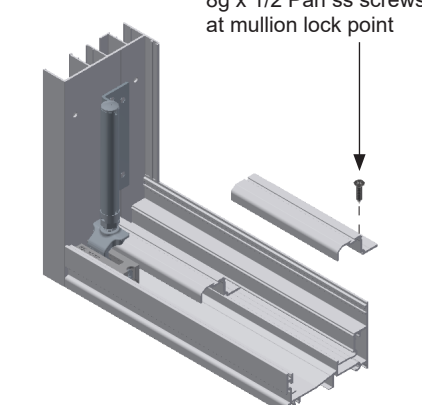
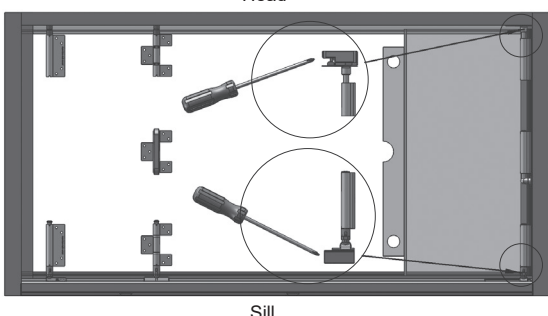
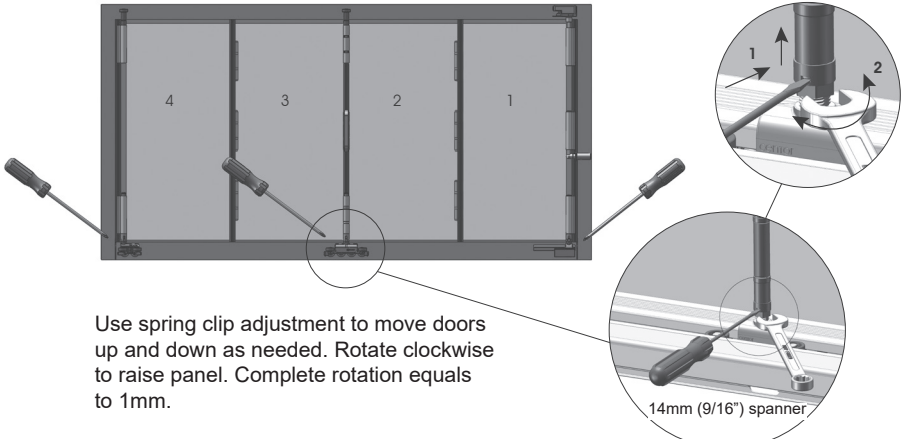
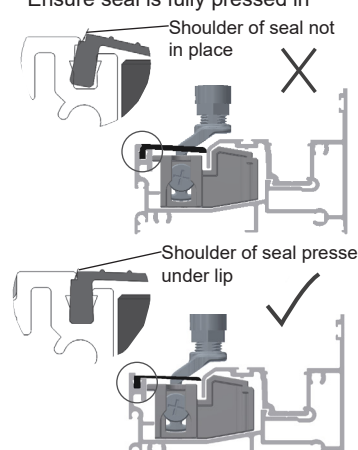
11. Assembly Details

Installation Details

End carrier Intermediate carrier set Pivot set Half offset hinge set Half offset hinge set 4R configuration shown for illustration purposes. See over for other configurations.	Cut end opposite pivot set for one way stacking doors. Cut either end (but only one end) for two way stacking doors. pivot set
HARDWARE SET LOCATIONS	1. CUT LINEALS TO LENGTH
Jamb Head Sill Sill Gasket Note: Ensure top guide channel is inserted into the head first	Fix through head and sill making sure not to obstruct hardware. Centerline for fixing Head and sill to align vertically.
2. ATTACH JAMBS TO HEAD & SILL	3. FIX HEAD & SILL TO OPENING
Pivots, Intermediate and End Carriers Top 16mm 16mm Bottom punch for location then drill	Hinges and Half Offset Hinges Top 85mm 85mm 150mm (above handle lock height) Bottom punch for location then drill flip panels
4. PRE-DRILL PANELS	

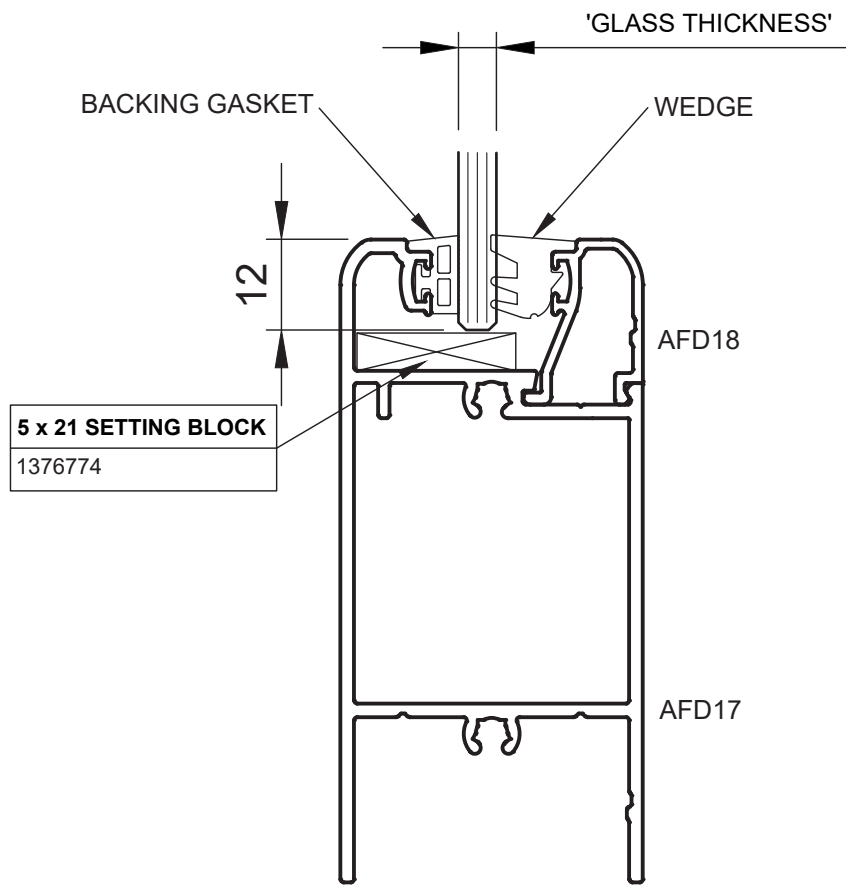
11. Assembly Details

Installation Details

Insert hardware into head and sill in correct order  Refer to technical manual page 12.x for machining details	 6g x 1" csk screws (x2) 6g x 1" csk screws (x2) Fit end plate cover Fit end pivot & MF86 cover
5. INSERT HARDWARE INTO TRACK	6. FIX PIVOTS
 8g x 1/2 Pan ss screws at mullion lock point Fit remaining MF86 cover & push forward before fixing.	 Head Sill Ensure pivot panel is vertical (plumb) using adjustment screws in top and bottom pivots. Attach each following panel one by one.
6. FIX PIVOTS (CONTINUED)	7. ADJUST PIVOTS
 Use spring clip adjustment to move doors up and down as needed. Rotate clockwise to raise panel. Complete rotation equals to 1mm. 14mm (9/16") spanner	 Ensure seal is fully pressed in Shoulder of seal not in place Shoulder of seal pressed under lip
8. HEIGHT ADJUSTMENT	9. INSERT TRACK SEAL

12. Glazing Details

Single Glazed Panel

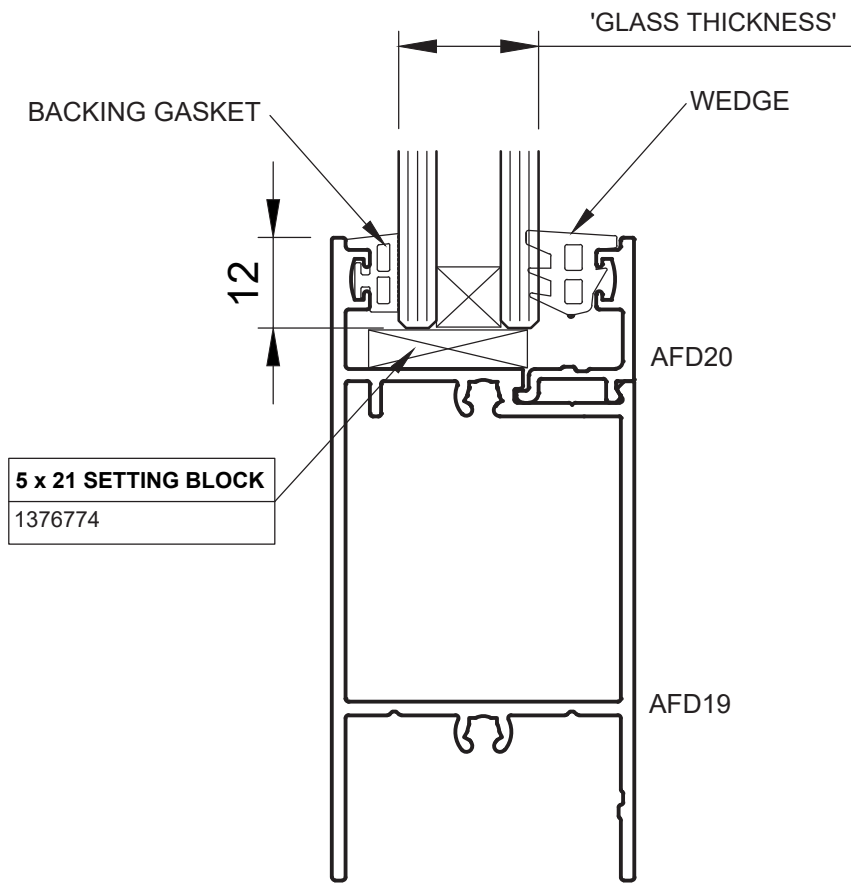


	BACKING GASKET		WEDGE	
GLASS THICKNESS	REF	CODE	ID COLOUR	CODE
4mm	CE37	1313081	GR48 ORANGE	1313060
5mm	CE37	1313081	GR47 RED	1313059
6mm	CE36	1313079	GR48 ORANGE	1313060
6.38mm	CE36	1313079	GR47 RED	1313059
8mm	CE36	1313079	GR46 YELLOW	1313058
8.38mm	CE36	1313079	GR45 BLUE	1313057
10mm	CE36	1313079	GR44 WHITE	1313056
10.38mm	CE36	1313079	GR43 BROWN	1313055

NOTE:
GLAZING COMPONENTS IDENTICAL THROUGHOUT ALL SINGLE GLAZED EXTRUSIONS

12. Glazing Details

Double Glazed Panel

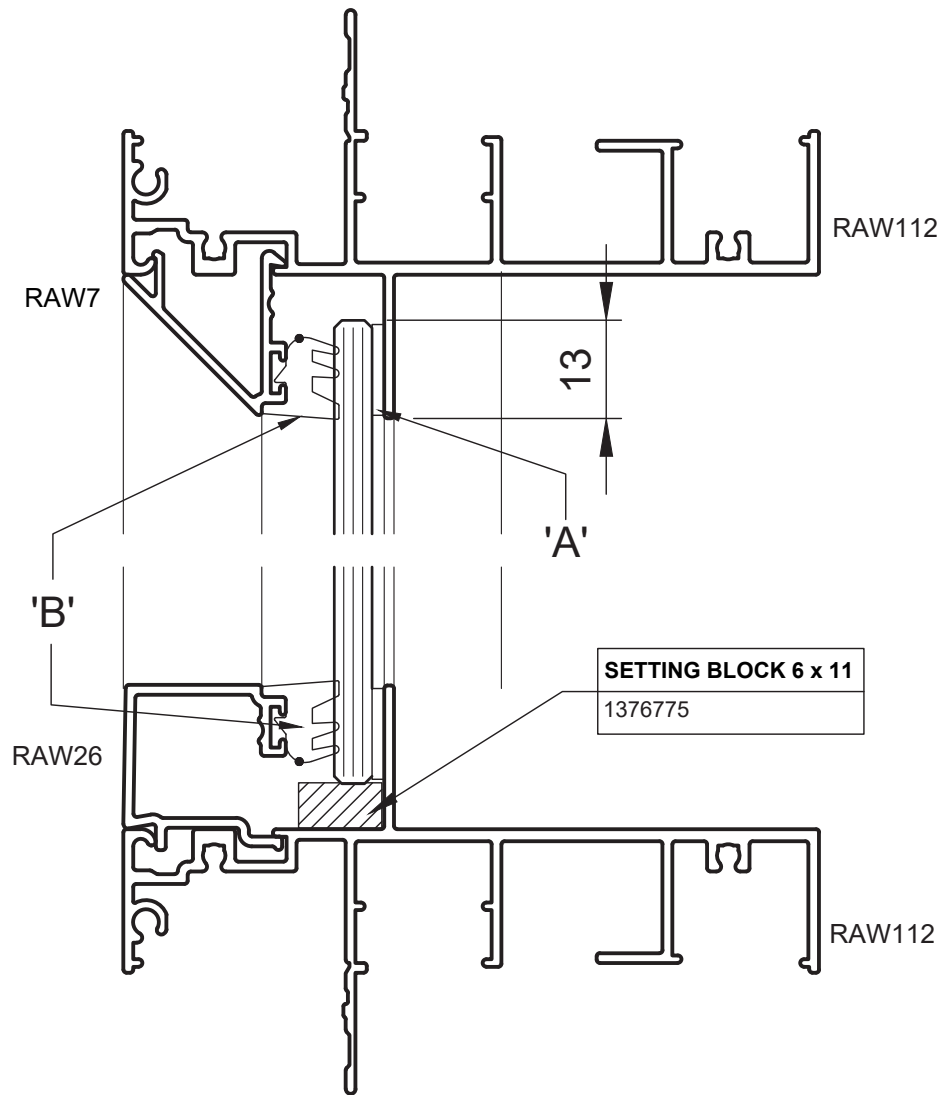


GLASS THICKNESS	BACKING GASKET		WEDGE	
	REF	CODE	ID COLOUR	CODE
18mm	CE37	1313081	GR48 ORANGE	1313060
24mm	CE36	1313079	GR44 WHITE	1313056
24.38mm	CE36	1313079	GR43 BROWN	1313055
24.76mm	CE36	1313079	GR43 BROWN	1313055

NOTE:
GLAZING COMPONENTS IDENTICAL THROUGHOUT ALL SINGLE GLAZED EXTRUSIONS

12. Glazing Details

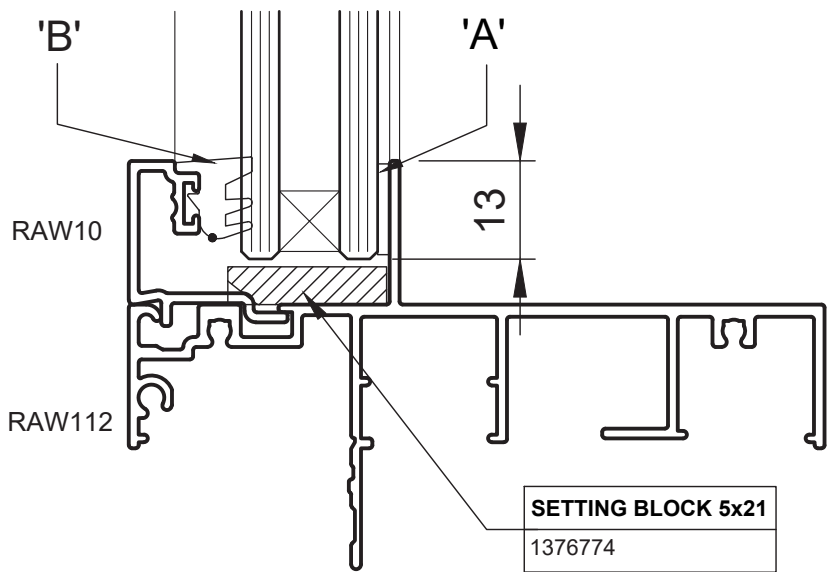
Single Glazed Frame



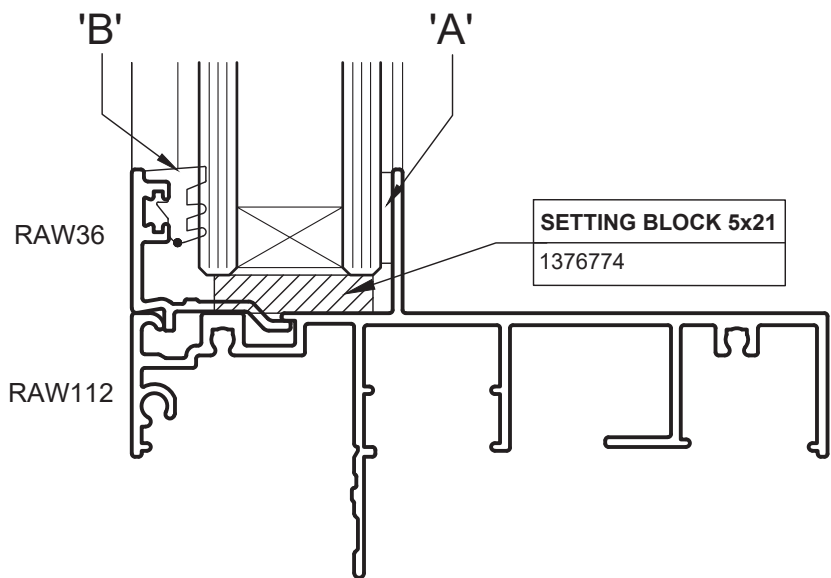
GLASS THICKNESS	GLAZING TAPE 'A'		WEDGE 'B'	
	REF	CODE	ID COLOUR	CODE
4mm	1.6mm x 12mm	1385514	GR48 ORANGE	1313060
5mm	1.6mm x 12mm	1385514	GR47 RED	1313059
6mm	1.6mm x 12mm	1385514	GR46 YELLOW	1313058
6.38mm	1.6mm x 12mm	1385514	GR46 YELLOW	1313058
7.5mm	1.6mm x 12mm	1385514	GR45 BLUE	1313057

12. Glazing Details

Double Glazed Frame



GLASS THICKNESS	GLAZING TAPE 'A'		WEDGE 'B'	
	REF	CODE	ID COLOUR	CODE
18mm	1.6mm x 12mm	1385514	GR47 RED	1313059
18.76mm	1.6mm x 12mm	1385514	GR47 RED	1313059



GLASS THICKNESS	GLAZING TAPE 'A'		WEDGE 'B'	
	REF	CODE	ID COLOUR	CODE
24mm *	1.6mm x 12mm	1385514	GR44 WHITE	1313056

* Note - Must glaze to bottom bead first with setting block

13. Care & Maintenance

FRAMING

Your new **CARINYA SELECT BOTTOM ROLLING BI-FOLD** frames have been manufactured using the highest quality materials available to the Architectural industry. Constructed from Architectural grade aluminium, these products are highly corrosion resistant and exceptionally strong. With a moderate amount of maintenance, the **CARINYA SELECT BOTTOM ROLLING BI-FOLD** frame will retain it's good looks and resist the elements for years to come.

The **CARINYA SELECT BOTTOM ROLLING BI-FOLD** 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 **CARINYA SELECT BOTTOM ROLLING BI-FOLD** 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 **CARINYA SELECT BOTTOM ROLLING BI-FOLD** 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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All pictures shown in this catalogue are for illustration purposes only. Actual product may vary due to product enhancement.