



THERMAFRAME

THERMALLY BROKEN WINDOW AND DOOR SYSTEMS

ThermAFrame 101.6mm Centre Pocket Framing

Technical Manual
June 2023 | ISSUE D

alspec[®]
EVERYTHING ALUMINIUM
& HARDWARE

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2. Technical Specifications

ALUMINIUM

Aluminium frames should be manufactured using Alspec's **THERMAFRAME 101.6mm CENTRE POCKET FRAMING** system.

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

GLAZING

- Minimum glass thickness is 6mm
- Maximum glass thickness is 32mm
- Glazing wedges shall be Alspec's wedges for **THERMAFRAME 101.6mm CENTRE POCKET FRAMING** to suit standard & captive glazing options, refer section 12.1 to 12.3.

HARDWARE

- All other hardware as per Alspec Technical Manual

FINISHES

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

All products are available from Alspec (A.B.N. 63 001 252 259) as detailed in the "Alspec" catalogue or on the Internet at www.alspec.com.au. All such framing is to be constructed, assembled and fixed to meet the 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 **THERMAFRAME 101.6mm CENTRE POCKET FRAMING** system should seek certification by a consultant structural engineer as to the framing being acceptable for the design wind pressure and deflection characteristics required of the site.

3. Loading Tables

Loading Table Guide

The following pages contain wind pressure tables that may be used as a guide to the suitability of Alspec Aluminium Systems framing for various wind loads and frame sizes.

In most situations the Design Wind Pressure for a particular building should be available from the building designer or engineer.

Framing must be checked for suitability.

For a window / door frame, which is 2400mm high and 1000mm wide, refer to the table below;

Step 1: Locate the height

Step 2: Locate the width

Step 3: Determine the Maximum wind pressure based on the height and width.

SECTION PART NO.	Panel Height	Maximum Design Pressure (Pa)					
	2850	S	1040	840	720	630	570
		U	2410	1960	1660	1460	1310
	2700	S	1230	1000	850	750	680
		U	2700	2190	1870	1640	1480
	2550	S	1460	1200	1020	910	830
		U	3040	2470	2210	1860	1690
	2400	S	1770	1450	1250	1080	1010
		U	3440	2810	2410	2080	1940
	2250	S	2160	1780	1530	1370	1270
		U	3940	3230	2780	2470	2270
	2100	S	2670	2210	1920	1730	1610
		U	4550	3750	3240	2900	2680
Ixx = 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 frame:

- 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 2400mm height and 1000mm width shows a pressure of 1450 Pa (Suction) and 2810 Pa (Ultimate).

Table is based on compound section properties calculated from AS2047 testing.

3. Loading Tables

Standard Frame

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

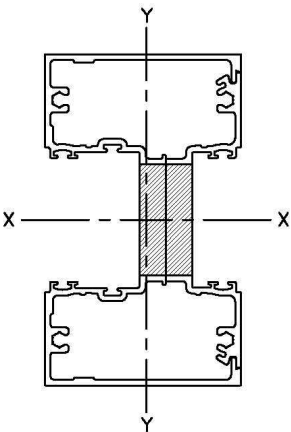
TF1 & TF4 MULLION COMBINATION	Mullion Height	Maximum Design Pressure (Pa)							
	3900	S	690						
		U	2210						
	3600	S	880	600					
		U	2600	1750					
	3300	S	1150	780	600				
		U	3100	2100	1600				
	3000	S	1540	1040	800	670	580	530	
		U	3770	2550	1960	1620	1400	1270	
	2700	S	2120	1450	1120	940	830	760	730
		U	4670	3180	2450	2040	1790	1640	1550
	2400	S	3000	2090	1640	1390	1250	1180	1150
		U	5930	4060	3170	2670	2380	2230	2180
	2100	S	3000	3000	2530	2190	2020	1970	1770
		U	7800	5390	4260	3660	3350	3250	2920
	1800	S	3000	3000	3000	3000	3000	3000	2780
		U	9000	7510	6060	5380	5160	4640	4170
$I_{xx} = 1160 \times 10^3 \text{ mm}^4$	Mullion Centres		600	900	1200	1500	1800	2100	2400

Table is based on compound section properties calculated from AS2047 testing.

3. Loading Tables

Standard Split Mullions

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

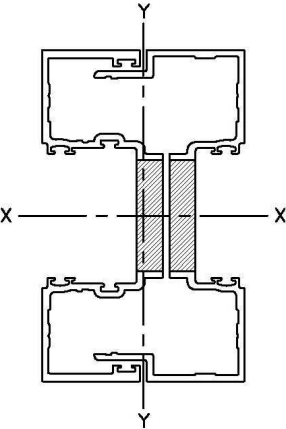
TF12 & TF13 SPLIT MULLIONS	Mullion Height	Maximum Design Pressure (Pa)						
		S	U	S	U	S	U	S
	4200	690						
		2370						
	3900	860	580					
		2750	1850					
	3600	1100	740	570				
		3230	2180	1660				
	3300	1430	970	740	610	530		
		3860	2600	1990	1640	1410		
	3000	1910	1300	1000	830	720	660	610
		4680	3170	2430	2010	1740	1570	1460
	2700	2630	1800	1400	1170	1030	950	910
		5790	3940	3050	2540	2230	2040	1930
	2400	3000	2590	2030	1730	1550	1460	1430
		7370	5040	3930	3310	2960	2760	2700
	2100	3000	3000	3000	2720	2510	2450	2510
		9000	6690	5280	4540	4160	4040	4170
	1800	3000	3000	3000	3000	3000	3000	3000
		9000	9000	7530	6670	6410	6710	7870
$I_{xx} = 1353 \times 10^3 \text{ mm}^4$	Mullion Centres	600	900	1200	1500	1800	2100	2400

Table is based on compound section properties calculated from AS2047 testing.

3. Loading Tables

Heavy Duty Mullions

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

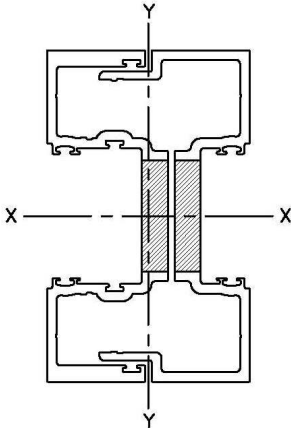
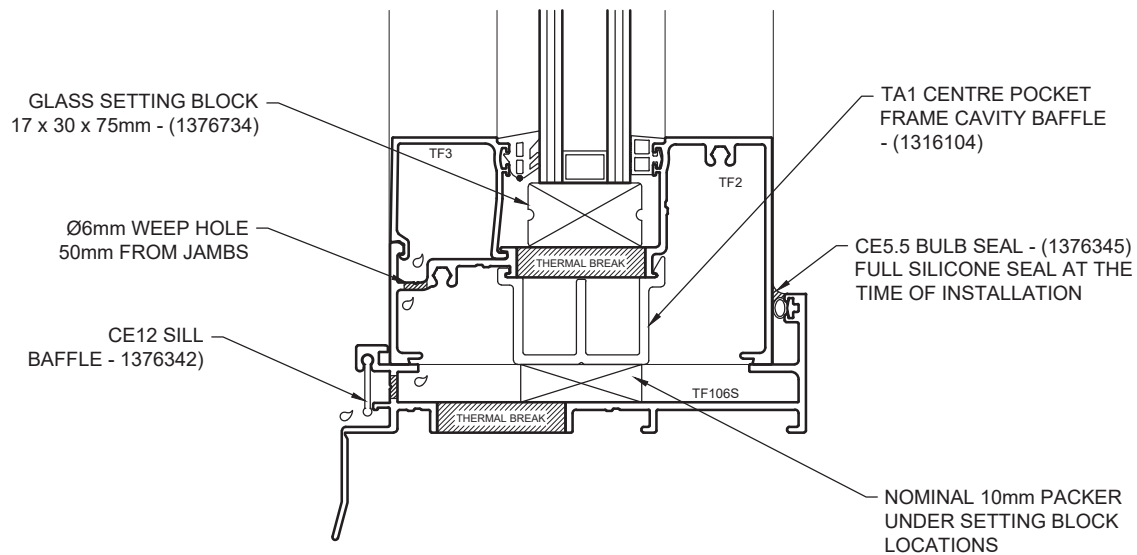
TF14 & TF15 H.D. SPLIT MULLIONS	Mullion Height	Maximum Design Pressure (Pa)						
		S	U	S	U	S	U	S
	4500	760	510					
		2790	1870					
	4200	930	630					
		3210	2160					
	3900	1170	790	600				
		3730	2510	1910				
	3600	1490	1000	770	630	540		
		4380	2950	2250	1840	1570		
	3300	1940	1310	1010	830	720	640	590
		5220	3530	2700	2220	1910	1700	1560
	3000	2590	1760	1360	1130	980	890	830
		6340	4290	3300	2720	2360	2130	1980
	2700	3000	2440	1890	1590	1400	1290	1230
		7850	5340	4130	3440	3020	2760	2620
	2400	3000	3000	2760	2340	2100	1980	1940
		9000	6830	5330	4490	4000	3740	3660
	2100	3000	3000	3000	3000	3000	3000	3000
		9000	9000	7160	6150	5630	5470	5650
	1800	3000	3000	3000	3000	3000	3000	3000
		9000	9000	9000	9000	8680	9000	9000
I_{xx} = 1916 x 10³ mm⁴	Mullion Centres	600	900	1200	1500	1800	2100	2400

Table is based on compound section properties calculated from AS2047 testing.

4. Test Summary

AS2047 - Fixed / Fixed

TEST REPORT:	AS14.240
SYSTEM CONFIGURATION	THERMAFRAME 101.6mm CENTRE POCKET with TF14 TF15 MULLION
TEST SAMPLE SIZE	3.15m H x 2.06m W
SERVICEABILITY LOAD	+/- 1.37 kPa
ULTIMATE LOAD	+/- 3.6 kPa
WATER PENETRATION	1000 Pa
AIR INFILTRATION	75Pa + 0.11L/m/s ² - 0.06L/m/s ² 150Pa + 0.08L/m/s ² - 0.05L/m/s ²

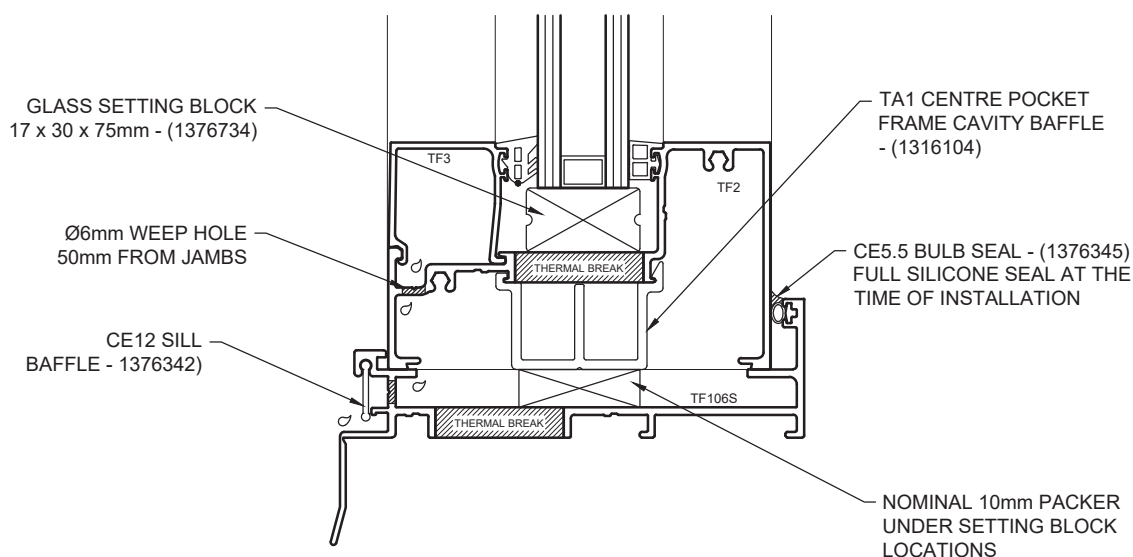


DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.

4. Test Summary

AS2047 - Fixed / Fixed

TEST REPORT:	AS14.249
SYSTEM CONFIGURATION	THERMAFRAME 101.6mm CENTRE POCKET with TF12 TF13 MULLION
TEST SAMPLE SIZE	3.15m H x 2.06m W
SERVICEABILITY LOAD	+/- 1.0 kPa
ULTIMATE LOAD	+/- 2.6 kPa
WATER PENETRATION	1000 Pa
AIR INFILTRATION	75Pa + 0.11L/m/s² - 0.06L/m/s² 150Pa + 0.03L/m/s² - 0.03L/m/s²



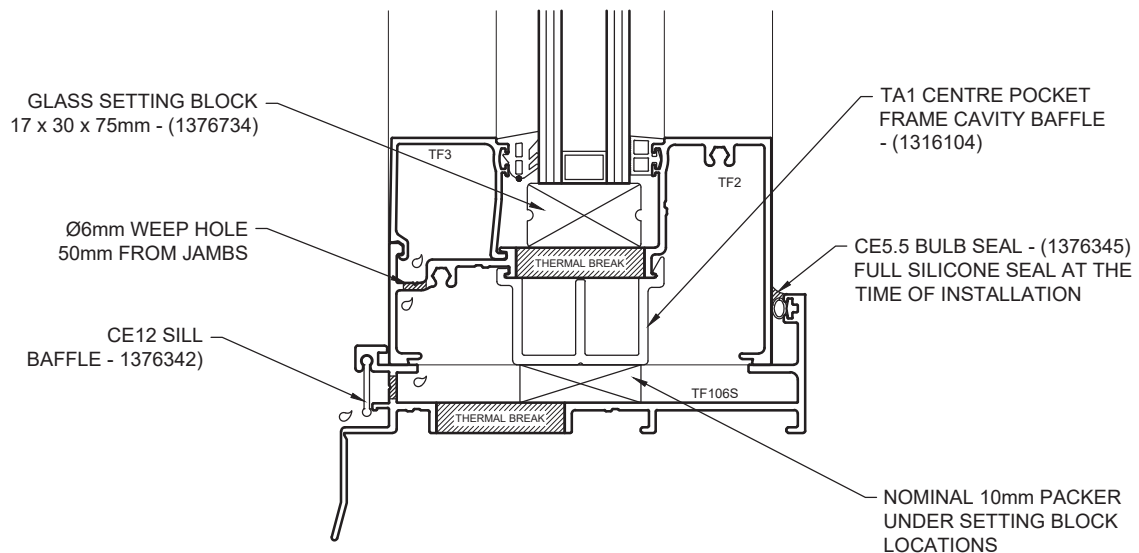
DISCLAIMER:

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

4. Test Summary

AS2047 - Fixed / Fixed

TEST REPORT:	AS14.250
SYSTEM CONFIGURATION	THERMAFRAME 101.6mm CENTRE POCKET with TF1 TF4 MULLION
TEST SAMPLE SIZE	3.15m H x 2.06m W
SERVICEABILITY LOAD	+/- 0.8 kPa
ULTIMATE LOAD	+/- 2.6 kPa
WATER PENETRATION	520 Pa
AIR INFILTRATION	75Pa + 0.15L/m/s² - 0.11L/m/s² 150Pa + 0.35L/m/s² - 0.04L/m/s²



DISCLAIMER:

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

4. Test Summary

Acoustic - AS/NZS ISO 717.1

TEST REPORT	PRODUCT DESCRIPTION	SIZE	GLASS	Rw
TL581-06-1	THERMAFRAME 101.6mm CENTRE POCKET FRAMING with DOOR/ FIXED	2.14m (H) x 1.84m (W)	10.38/12/6.38mm	36

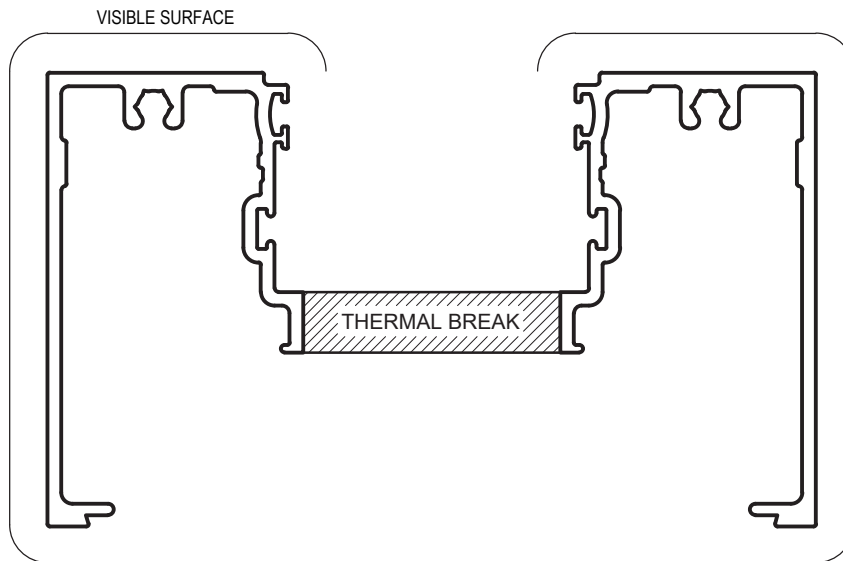
BAL40 - 1530.8.1 - 2007

TEST REPORT	DESCRIPTION	SIZE	SEALS	RESULT
FRT180018.3	THERMAFRAME 101.6mm CP	0.57m (H) x 0.805m (W)	GR47FR	BAL A-40

5. Extrusions

AUSTRALIAN PATENT No. 2013904581

* DENOTES REGISTERED DESIGN



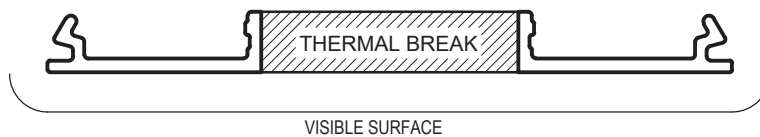
TF1*

101.6mm FRAME

Anod. Per. 688

Paint Per. 204

Ixx = $949.79 \times 10^3 \text{ mm}^4$



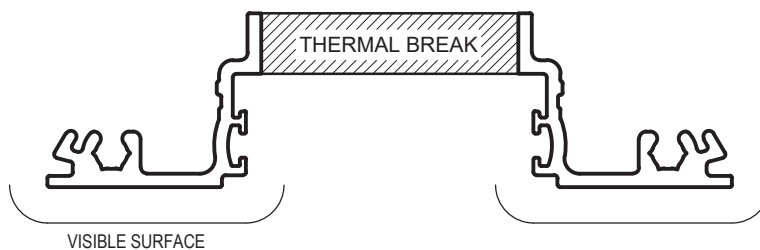
TF5

101.6mm FLUSH
ADAPTOR

Anod. Per. 208

Paint Per. 100

Ixx = $166.80 \times 10^3 \text{ mm}^4$



TF4

101.6mm GLAZING
ADAPTOR

Anod. Per. 310

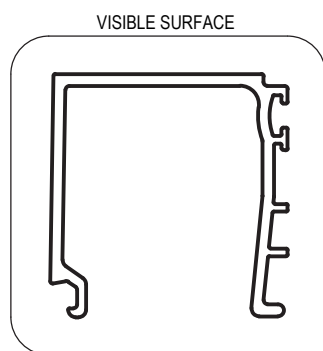
Paint Per. 100

Ixx = $258.45 \times 10^3 \text{ mm}^4$

5. Extrusions

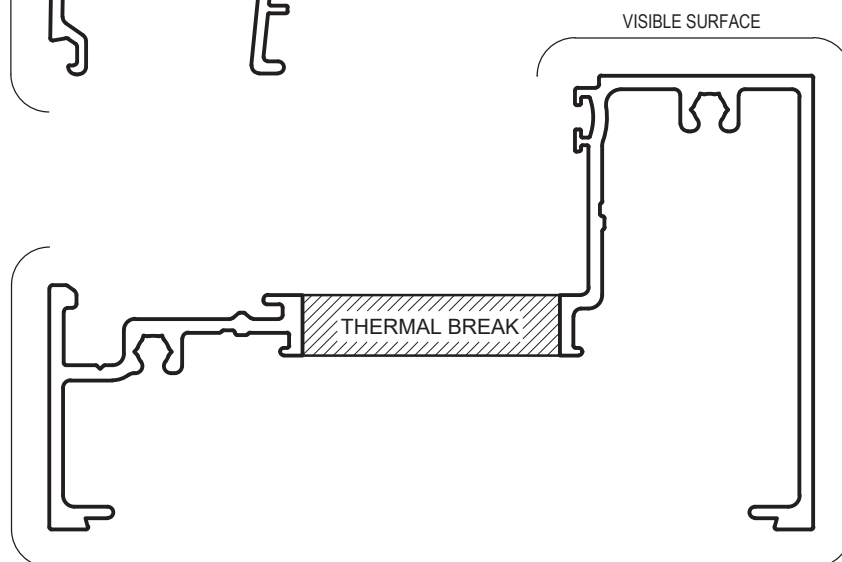
AUSTRALIAN PATENT No. 2013904581

* DENOTES REGISTERED DESIGN



TF3
SILL BEAD

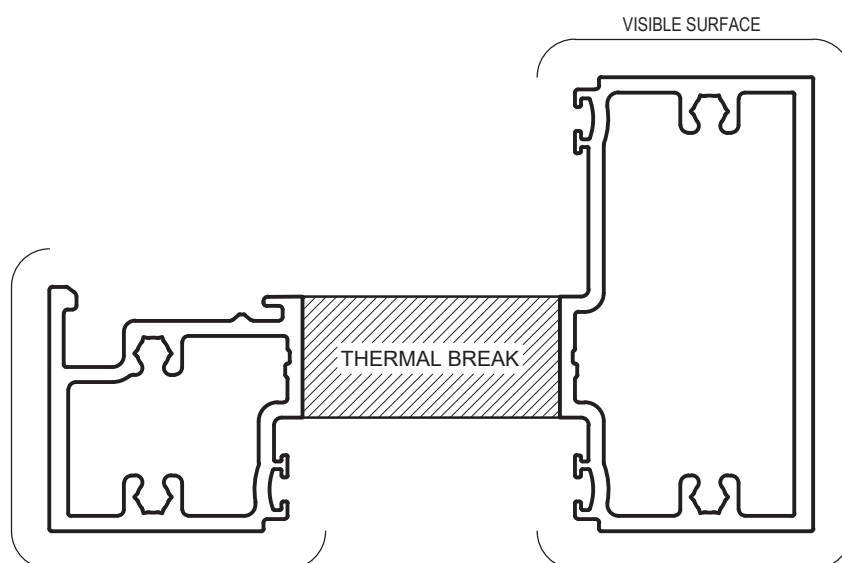
Anod. Per. 212
Paint Per. 100



TF2*
101.6mm SILL

Anod. Per. 532
Paint Per. 147

$I_{xx} = 741.50 \times 10^3 \text{ mm}^4$
 $I_{yy} = 155.97 \times 10^3 \text{ mm}^4$



TF25*
101.6mm HOLLOW
TRANSOM

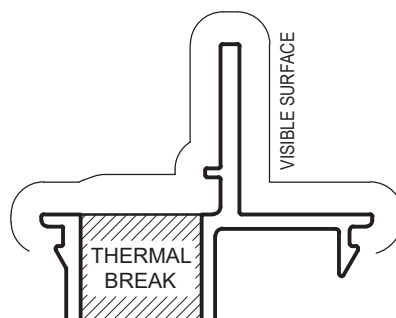
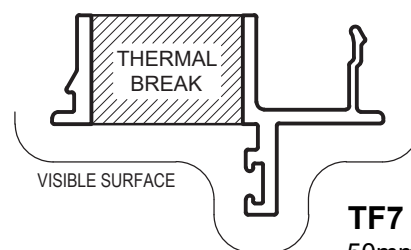
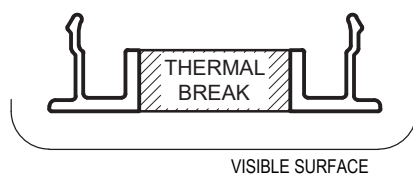
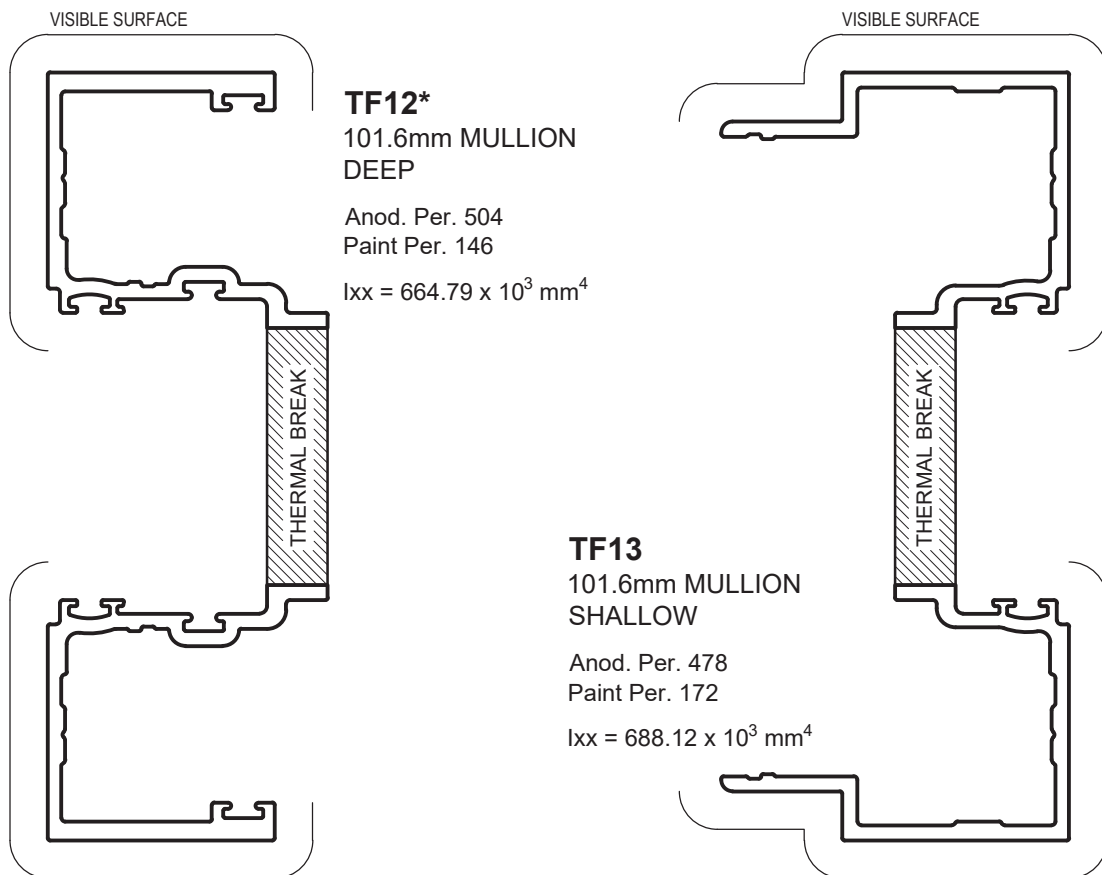
Anod. Per. 435
Paint Per. 201

$I_{xx} = 1052.80 \times 10^3 \text{ mm}^4$
 $I_{yy} = 284.95 \times 10^3 \text{ mm}^4$

5. Extrusions

AUSTRALIAN PATENT No. 2013904581

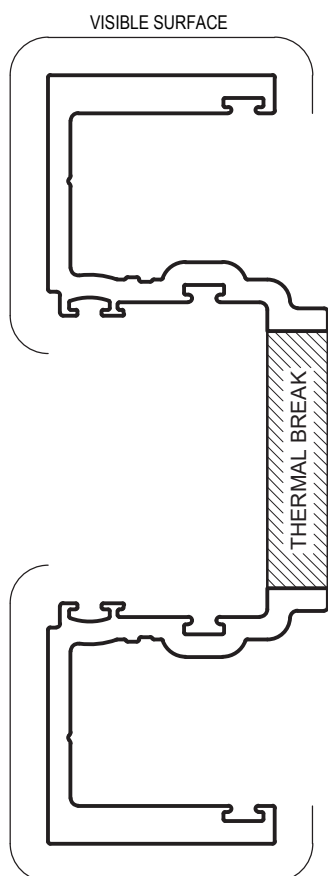
* DENOTES REGISTERED DESIGN



5. Extrusions

AUSTRALIAN PATENT No. 2013904581

* DENOTES REGISTERED DESIGN

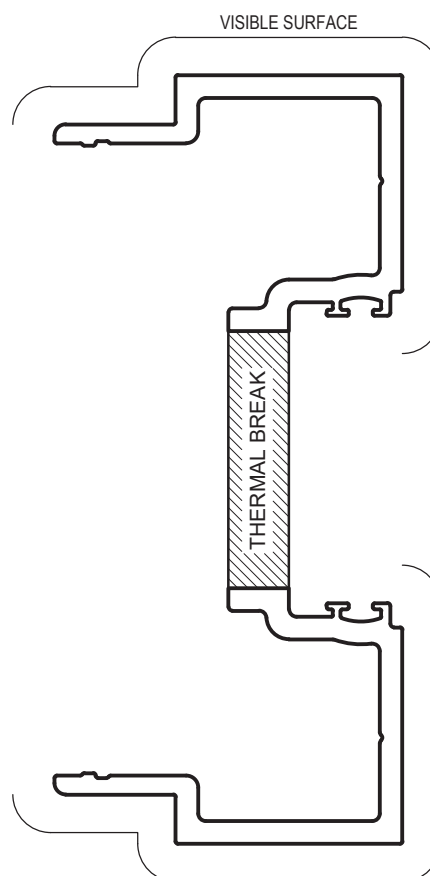


TF14*

101.6mm H.D.
MULLION DEEP

Anod. Per. 486
Paint Per. 146

$I_{xx} = 978.48 \times 10^3 \text{ mm}^4$

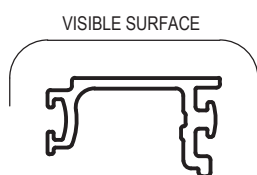


TF15

101.6mm H.D.
MULLION SHALLOW

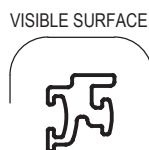
Anod. Per. 468
Paint Per. 172

$I_{xx} = 937.57 \times 10^3 \text{ mm}^4$



HE431 SINGLE GLAZE ADAPTOR

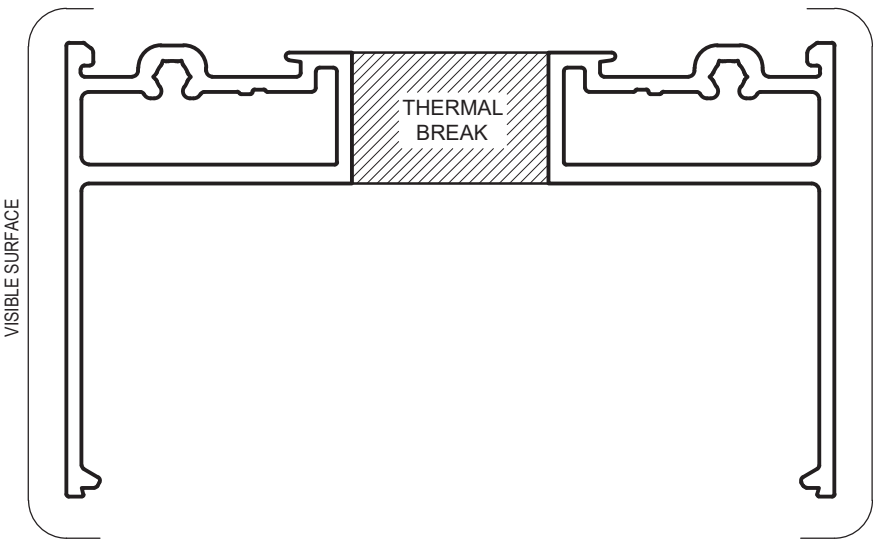
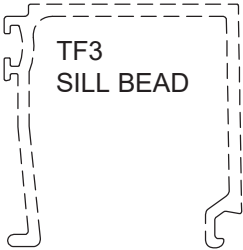
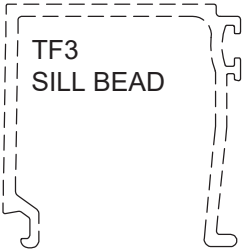
Anod. Per. 105
Paint Per. 100



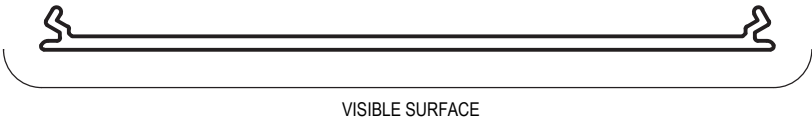
ECO123 GLAZING ADAPTOR

Anod. Per. 100
Paint Per. 100

5. Extrusions

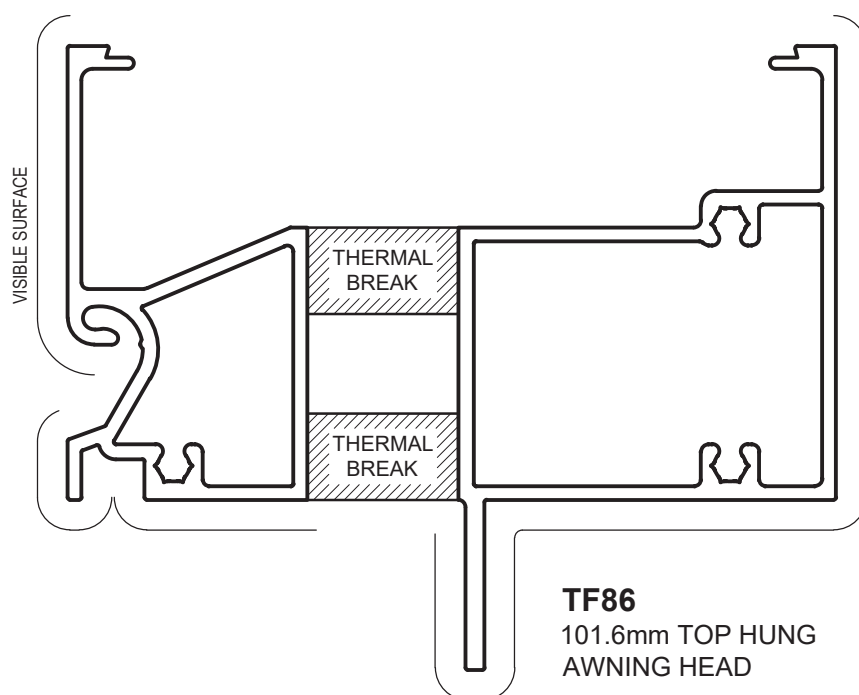


TF10
101.6mm C.O.C. HEAD
Anod. Per. 540
Paint Per. 134
 $I_{xx} = 1073.34 \times 10^3 \text{ mm}^4$
 $I_{yy} = 184.69 \times 10^3 \text{ mm}^4$

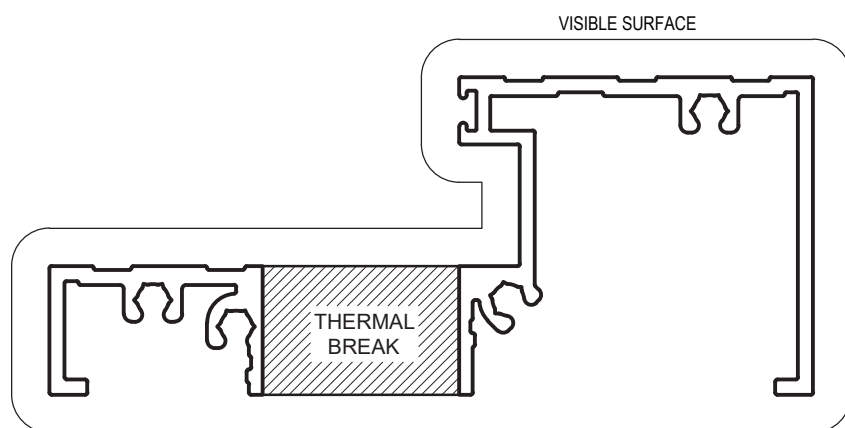


AS27
C.O.C FLUSH FILLER
Anod. Per. 214
Paint Per. 100

5. Extrusions

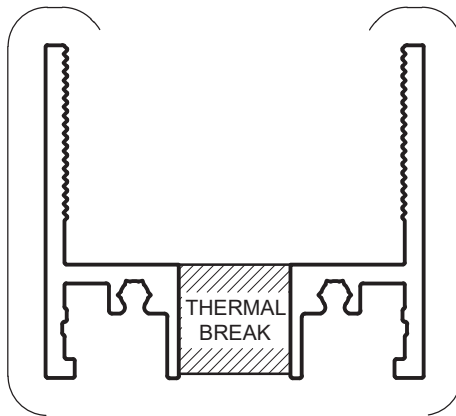


Anod. Per. 608
Paint Per. 245



Anod. Per. 548
Paint Per. 214

5. Extrusions

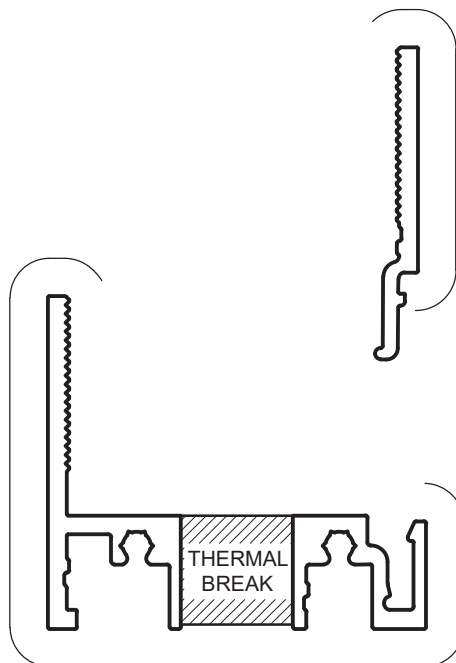


TFGC001

50mm GLAZING CHANNEL
FRAME

Anod. Per. 388
Paint Per. 100

$I_{xx} = 56.806 \times 10^3 \text{ mm}^4$
 $I_{yy} = 22.224 \times 10^3 \text{ mm}^4$



TFGC003

50mm GLAZING
CHANNEL BEAD

Anod. Per. 100
Paint Per. 33

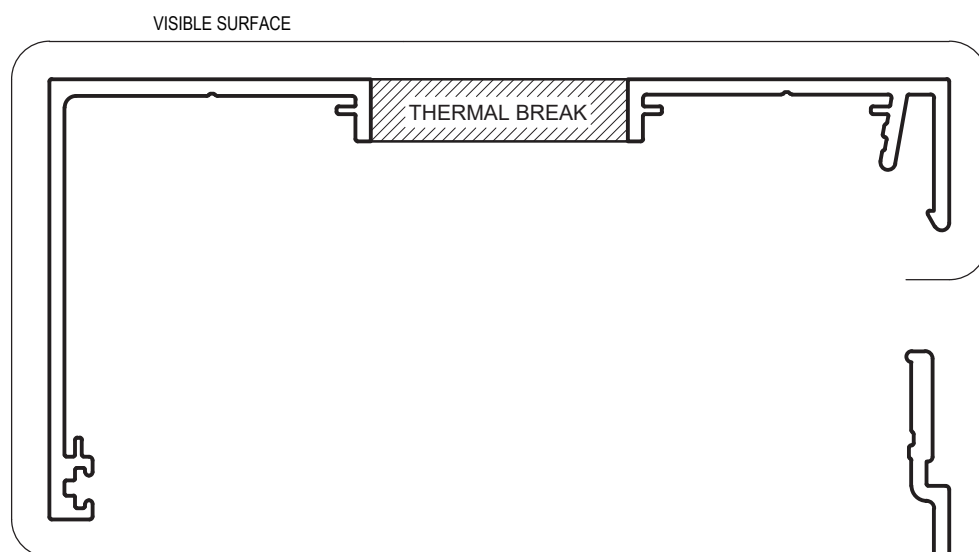
TFGC002

50mm GLAZING CHANNEL SILL

Anod. Per. 332
Paint Per. 100

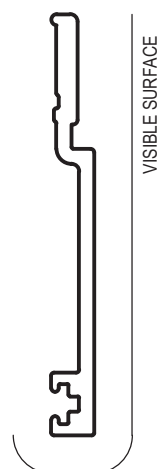
$I_{xx} = 31.484 \times 10^3 \text{ mm}^4$
 $I_{yy} = 17.569 \times 10^3 \text{ mm}^4$

5. Extrusions



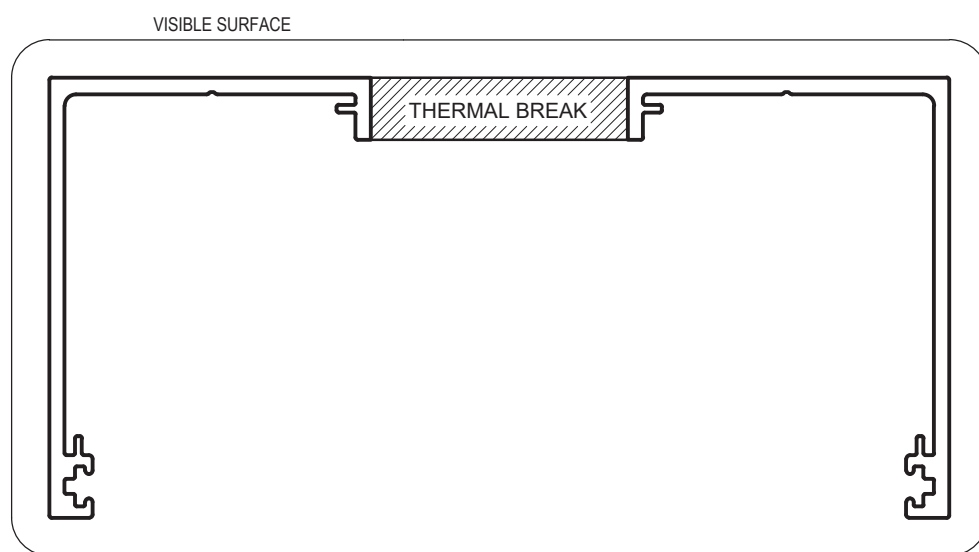
TF157
101.6mm 2 PIECE
SUB HEAD

Anod. Per. 435
Paint Per. 205



TF158
2 PIECE
SUB HEAD FASCIA

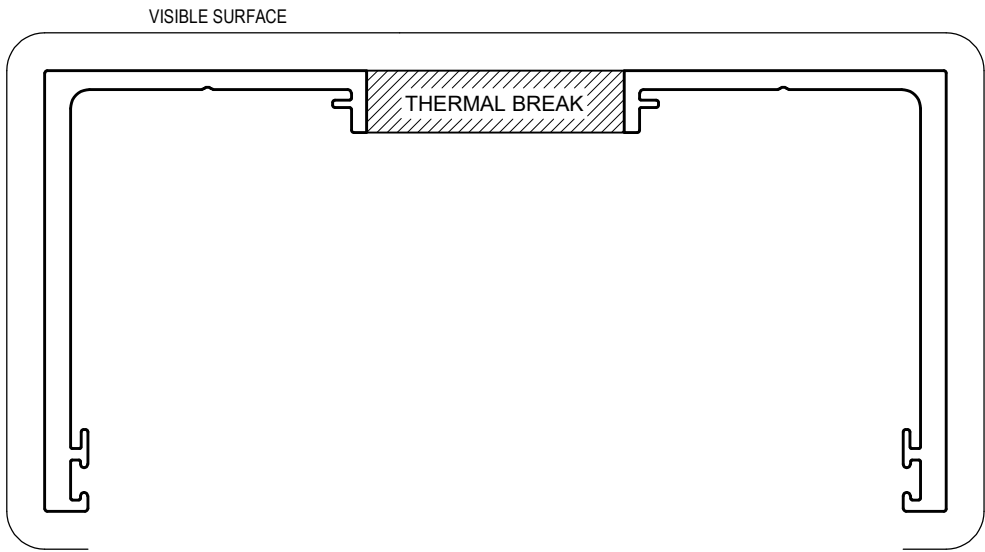
Anod. Per. 140
Paint Per. 100



TF107
101.6mm SUB HEAD

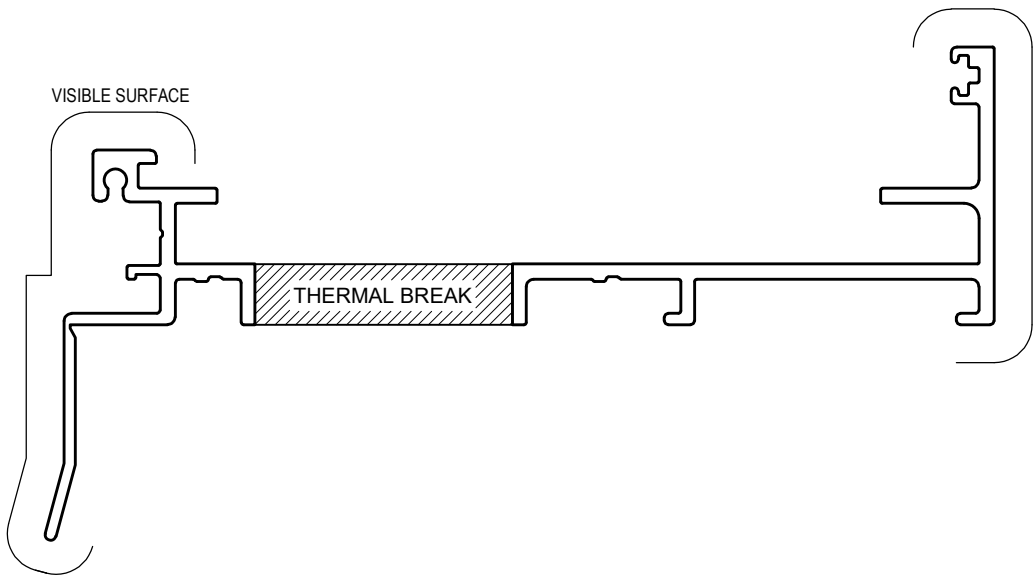
Anod. Per. 508
Paint Per. 245

5. Extrusions



TF108
101.6mm
H.D. SUB HEAD

Anod. Per. 496
Paint Per. 245



TF106S
101.6mm SUB SILL

Anod. Per. 519
Paint Per. 148

6. Hardware & Components

Glazing Wedges

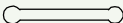
IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	3mm	PVC	1313055	GR43 GLAZING WEDGE (BROWN) (3mm GAP) PVC x 200m ROLL
		S/PRENE	1313063	GR43S GLAZING WEDGE (BROWN) (3mm GAP) S/PRENE x 200m ROLL
	4mm	PVC	1313056	GR44 GLAZING WEDGE (WHITE) (4mm GAP) PVC x 200m ROLL
		S/PRENE	1313064	GR44S GLAZING WEDGE (WHITE) (4mm GAP) S/PRENE x 200m ROLL
	5mm	PVC	1313057	GR45 GLAZING WEDGE (BLUE) (5mm GAP) PVC x 150m ROLL
		S/PRENE	1313065	GR45S GLAZING WEDGE (BLUE) (5mm GAP) S/PRENE x 150m ROLL
	6mm	PVC	1313058	GR46 GLAZING WEDGE (YELLOW) (6mm GAP) PVC x 150m ROLL
		S/PRENE	1313066	GR46S GLAZING WEDGE (YELLOW) (6mm GAP) S/PRENE x 150m ROLL
	7mm	PVC	1313059	GR47 GLAZING WEDGE (RED) (7mm GAP) PVC x 150m ROLL
		S/PRENE	1313062	GR47S GLAZING WEDGE (RED) (7mm GAP) S/PRENE x 150m ROLL
	8mm	PVC	1313060	GR48 GLAZING WEDGE (ORANGE) (8mm GAP) PVC x 150m ROLL
		S/PRENE	1313067	GR48S GLAZING WEDGE (ORANGE) (8mm GAP) S/PRENE x 150m ROLL
	9mm	PVC	1313076	GR50 GLAZING WEDGE (GREEN) (9mm GAP) PVC x 100m 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	PVC	1313078	CE52S CO-EXT BACKING GASKET (8.5mm GAP) x 100m ROLL

Seals

IMAGE	PART #	FINISH	DESCRIPTION
	1376449	BLACK (034)	MS6 MULLION SEAL PVC x 200m
	1376079	BLACK (034)	CE308 CO-EXT DOOR BUFFER S/PRENE x 200m ROLL
	1376342	BLACK (034)	CE12 CO-EXT BAFFLE (16.5mm HEIGHT) x 250m ROLL
	1376345	BLACK (034)	CE5.5 CO-EXT BULB SEAL (5.5mm DIAMETER) x 250m ROLL
	1376456		CE5.5 CO-EXT BULB SEAL (5.5mm DIAMETER) x 1m

6. Hardware & Components

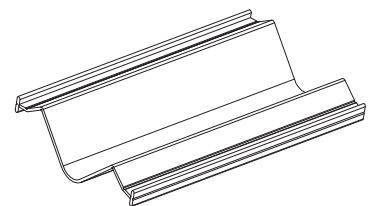
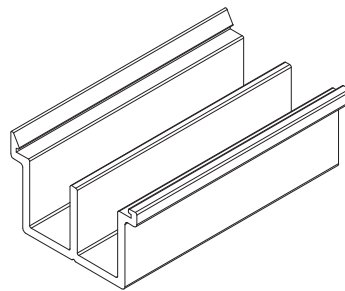
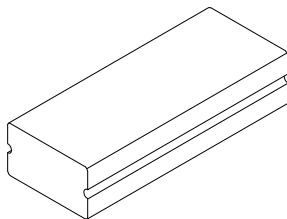
Fasteners

SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382054	PHILLIPS #2	10g x 1 (25mm) SS PHIL PAN S/TAP SCREW x 500	MAIN FRAME

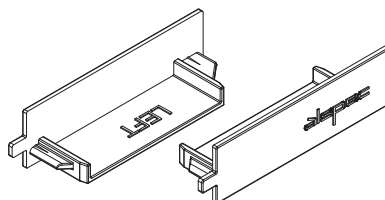
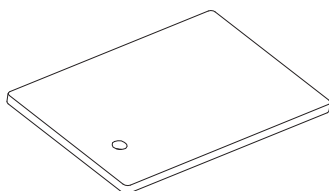
Frame Joint Gaskets

PART #	DESCRIPTION	FINISH
1385557	FJG007 60mm x 102mm 760 PER ROLL	BLACK (034)
		GREY (036)

Accessories

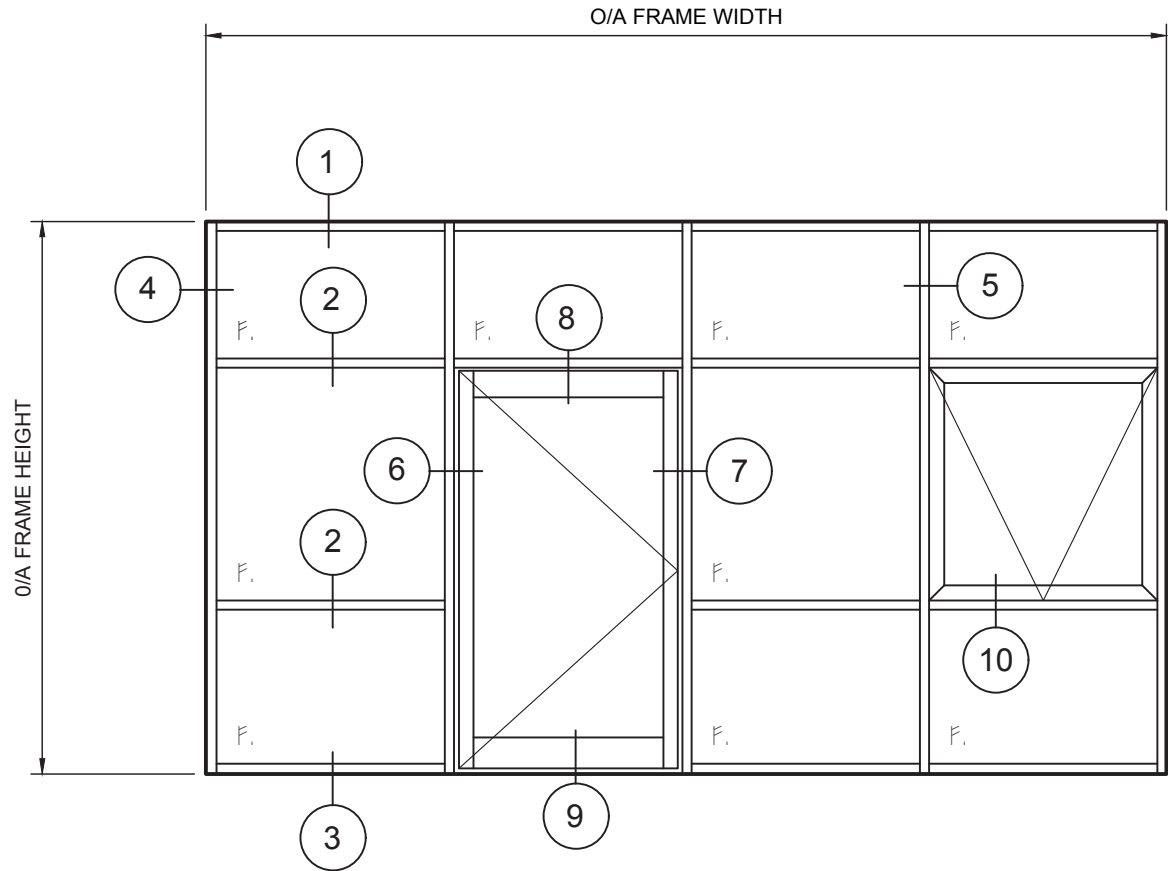


SETTING BLOCK 17 x 30 x 75mm BAG OF 50		TA1 CENTRE POCKET FRAME CAVITY BAFFLE x 3.6m		TA2 GLAZING POCKET BAFFLE x 100m ROLL	
PART	1376734	PART	1316104	PART	1316105
FINISH	BLACK (034)	FINISH	BLACK (034)	FINISH	BLACK (034)
QTY	BAG of 50	QTY	EACH (3.6m LENGTHS)	QTY	EACH



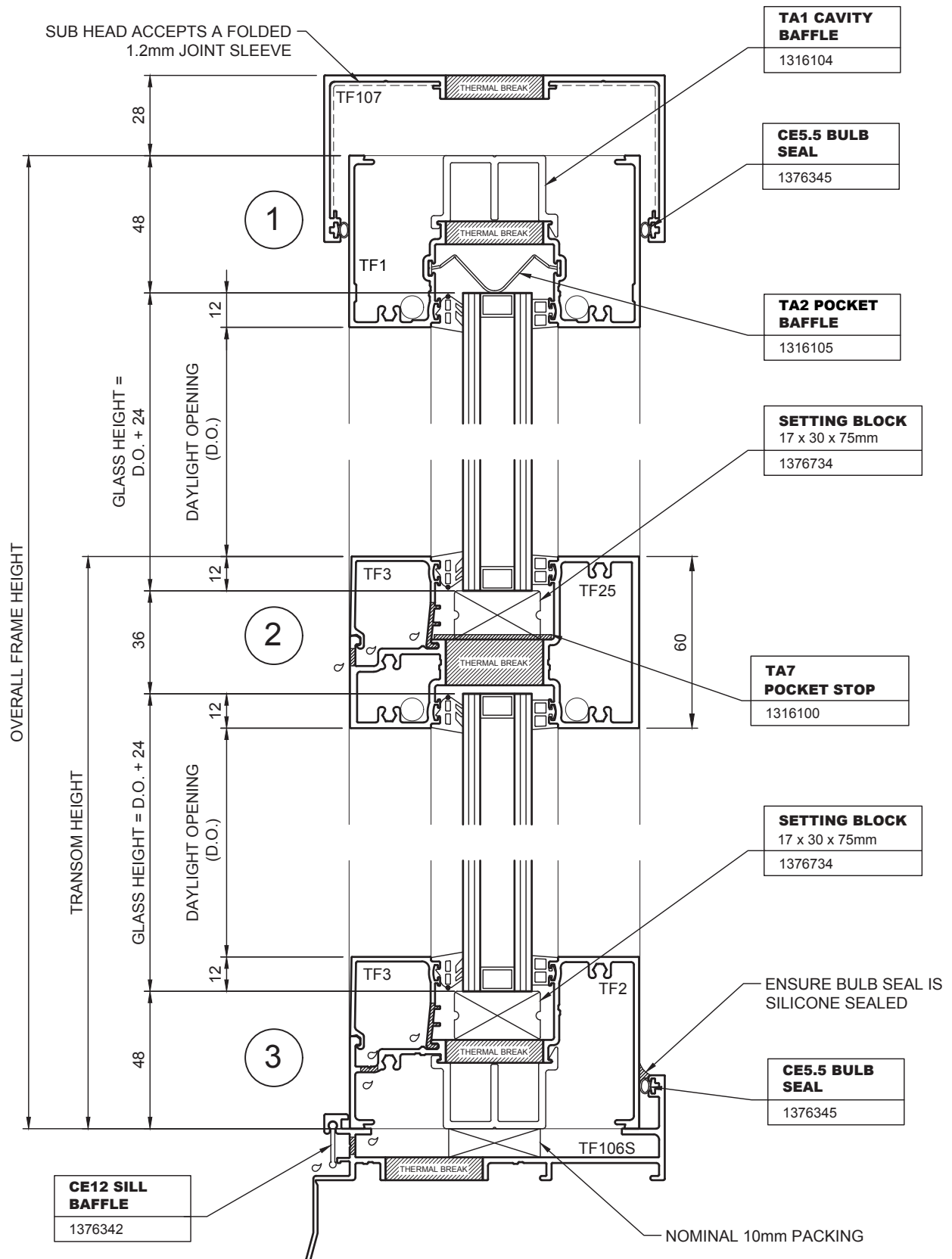
TA7 38mm POCKET STOP		TA19 100mm ThermAFrame SUBSILL END CAP x PAIR	
PART	1316100	PART	1345561
FINISH	BLACK (034)	FINISH	BLACK (034)
QTY	EACH	QTY	PAIR

7. Typical Elevation



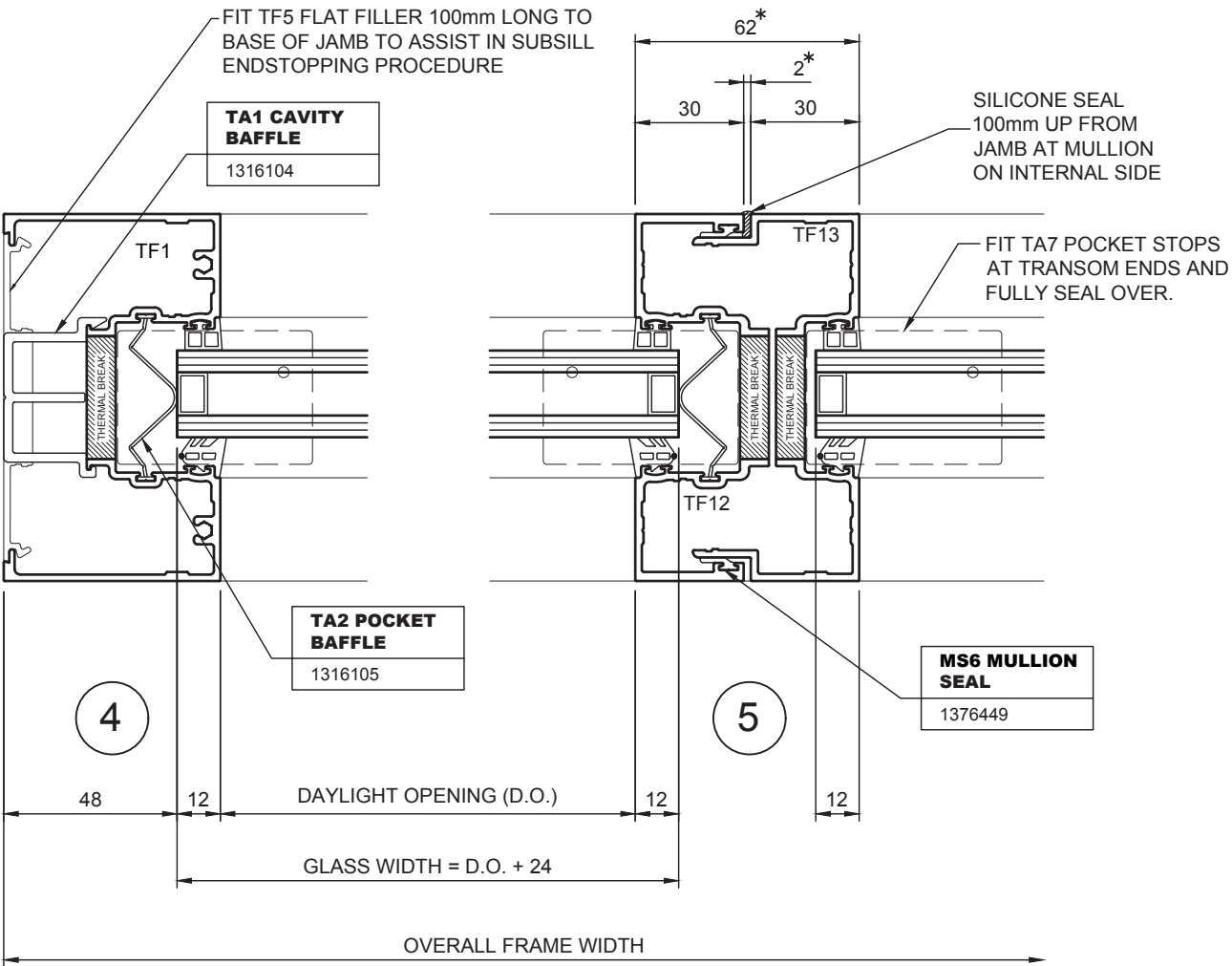
8. Typical Details

Typical Head, Transom & Sill Details



8. Typical Details

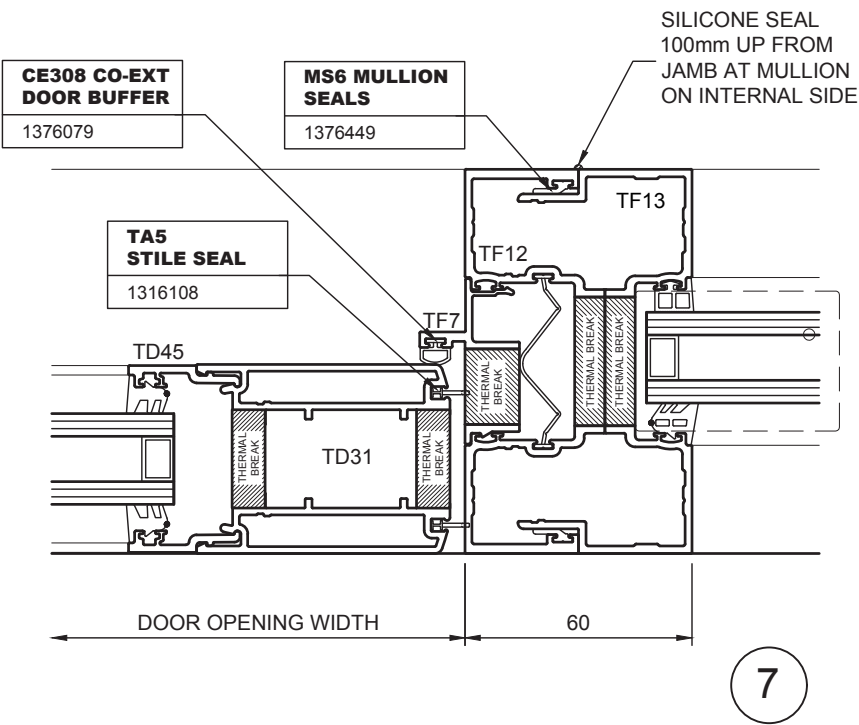
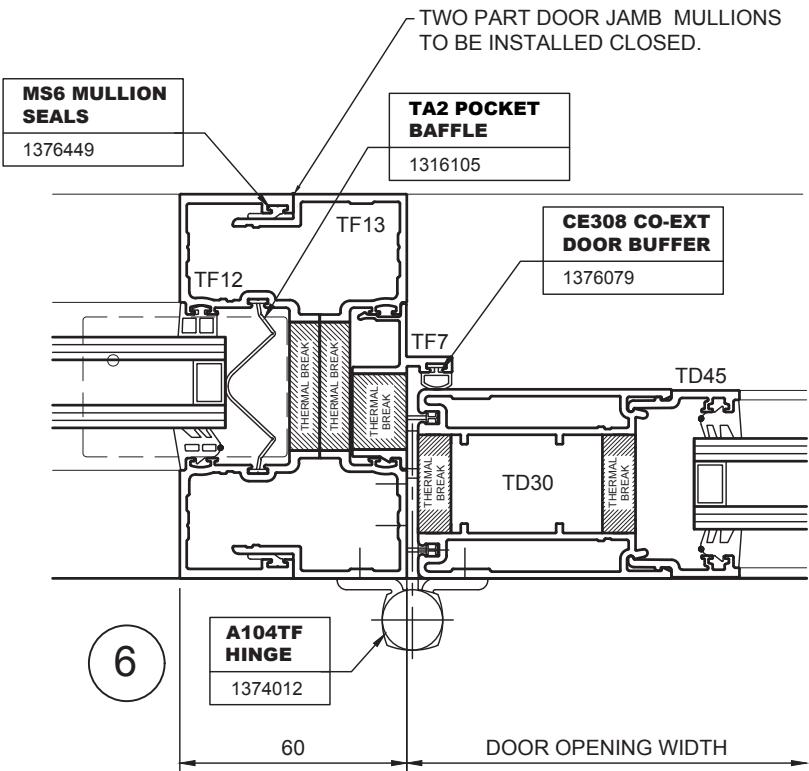
Typical Jamb & Mullion Details



* NOMINAL DIMENSIONS ONLY. MAY VARY DUE TO PROJECT REQUIREMENTS

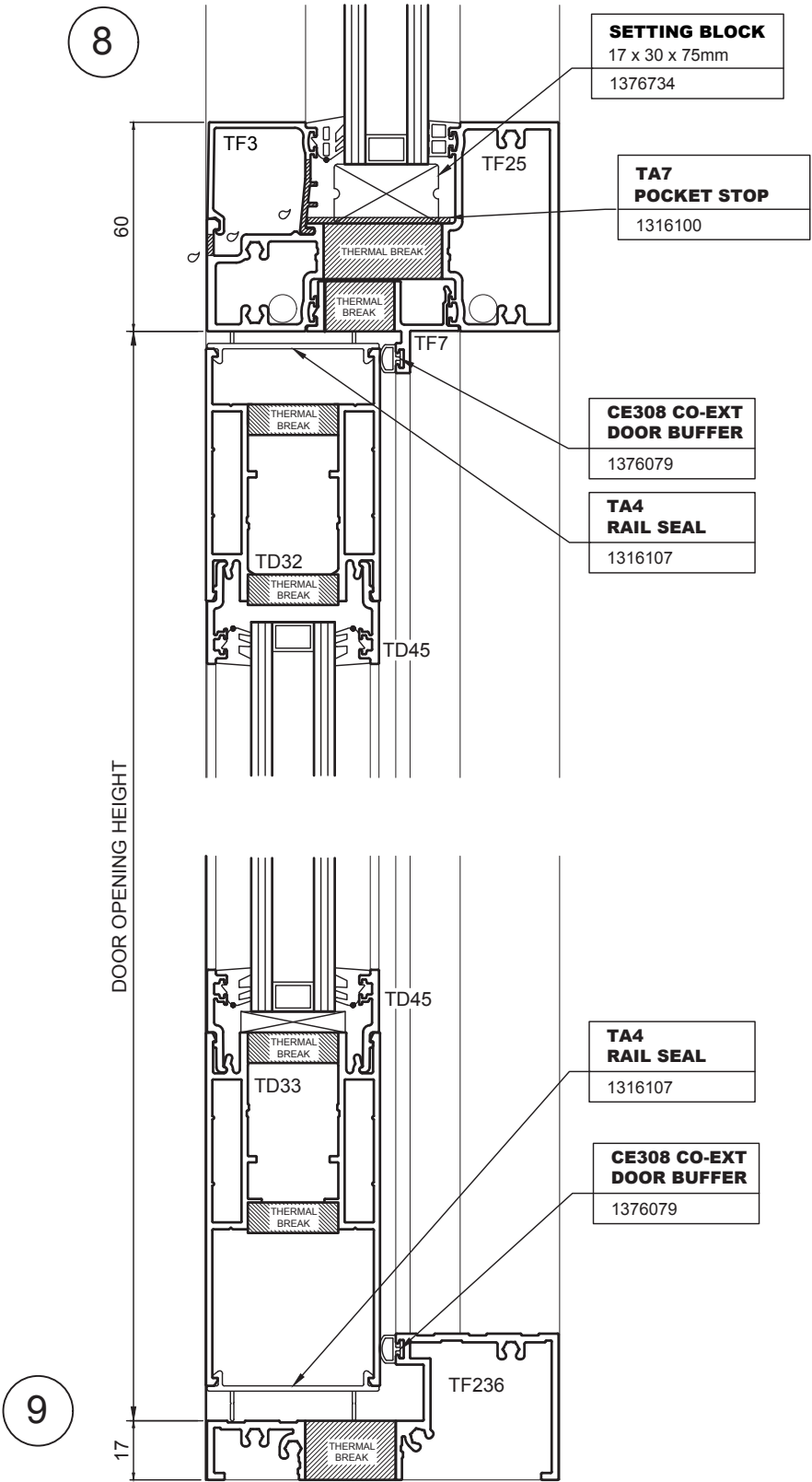
8. Typical Details

Typical Door Jamb Details



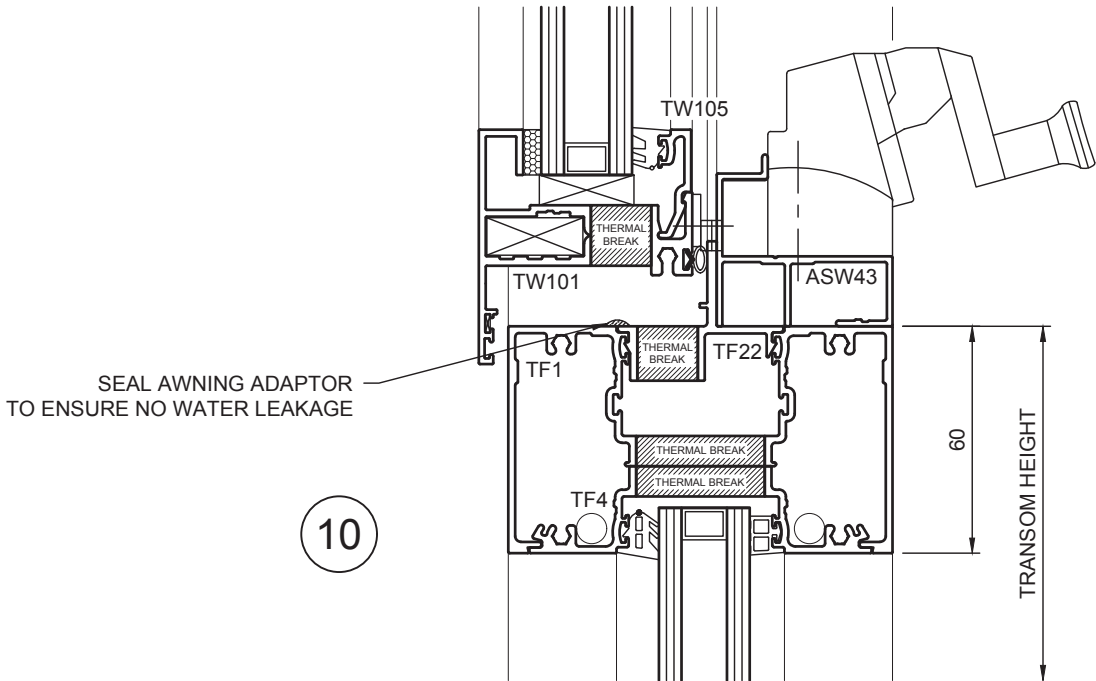
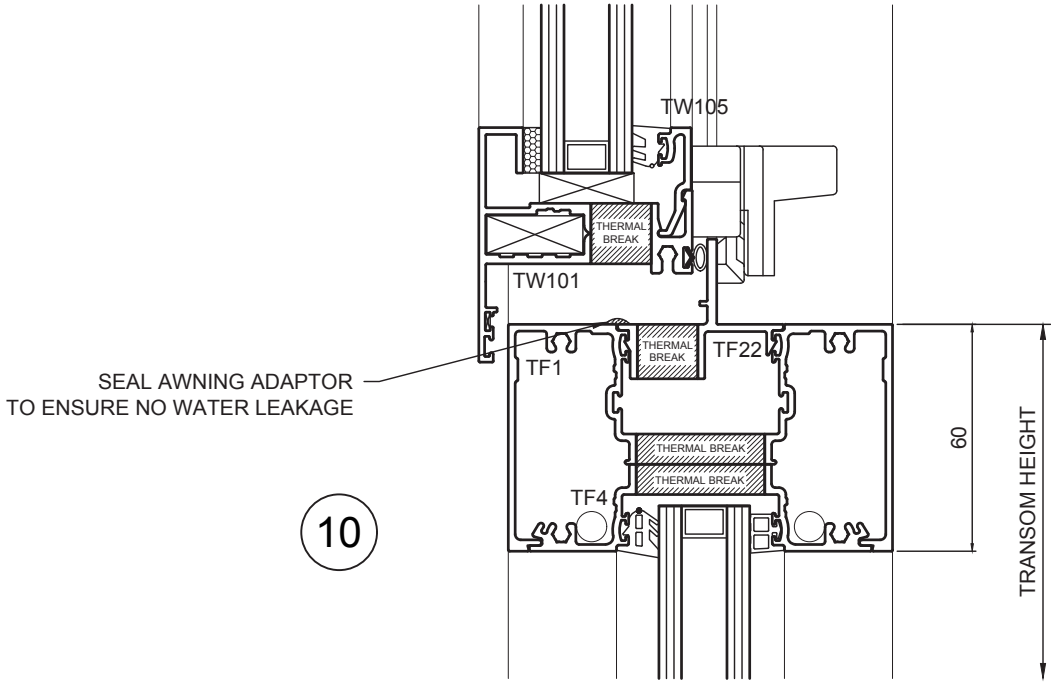
8. Typical Details

Typical Door Head & Threshold Details



8. Typical Details

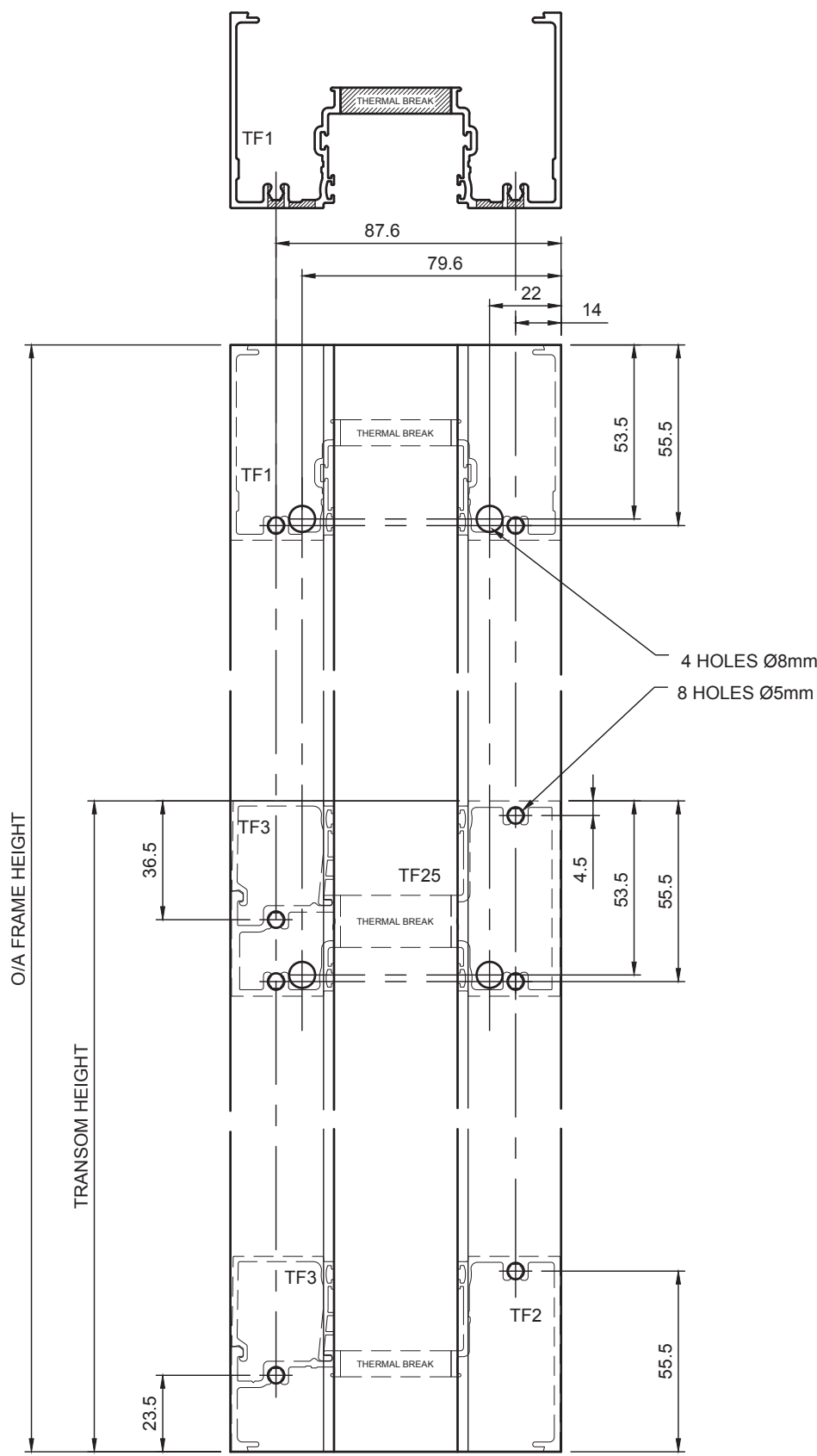
Typical Transom Details



10. Manufacturing Details

Frame Preparation - Frame / Jamb

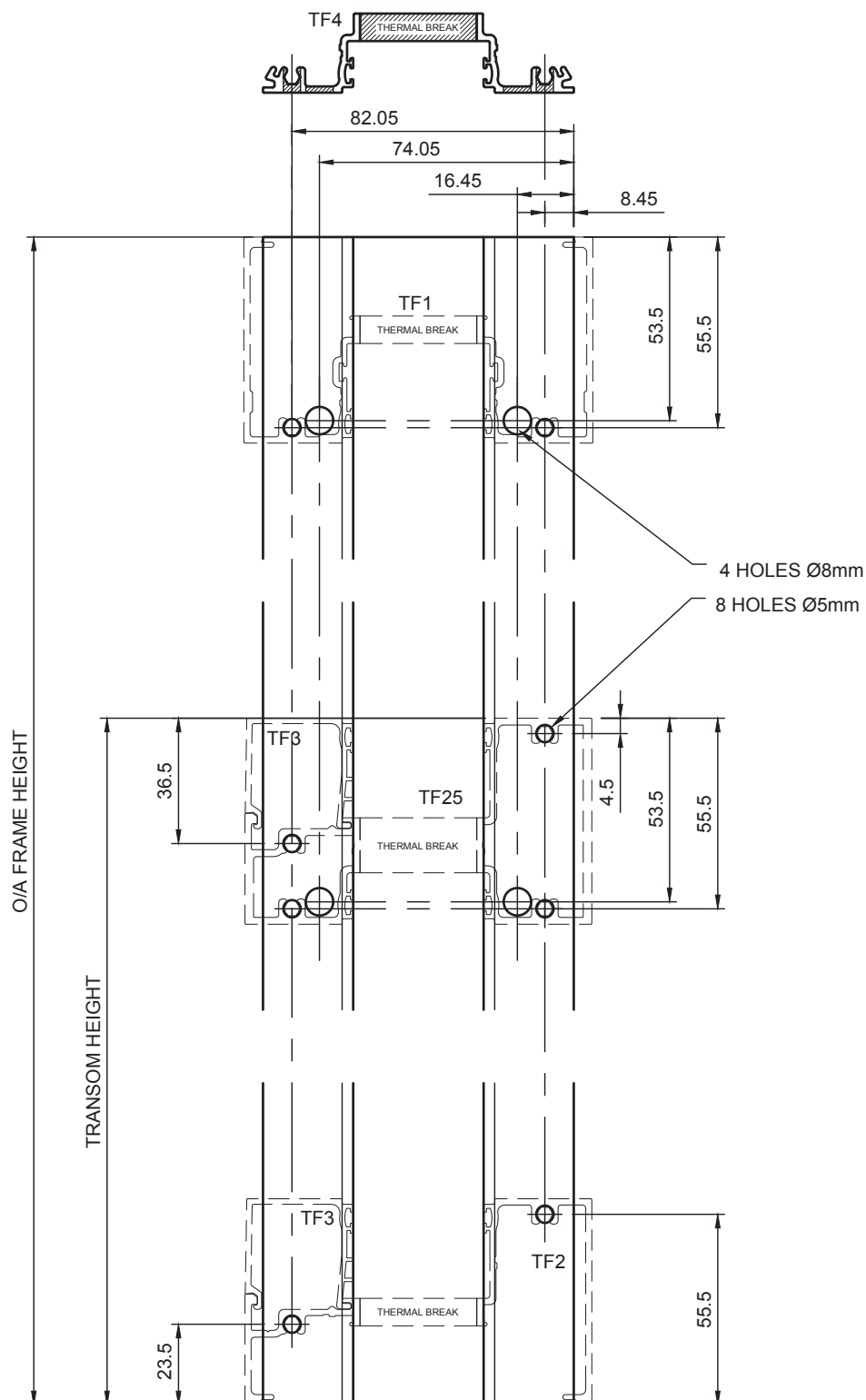
L.H. DRAWN
R.H. OPPOSITE



10. Manufacturing Details

Frame Preparation - Glazing Adaptor

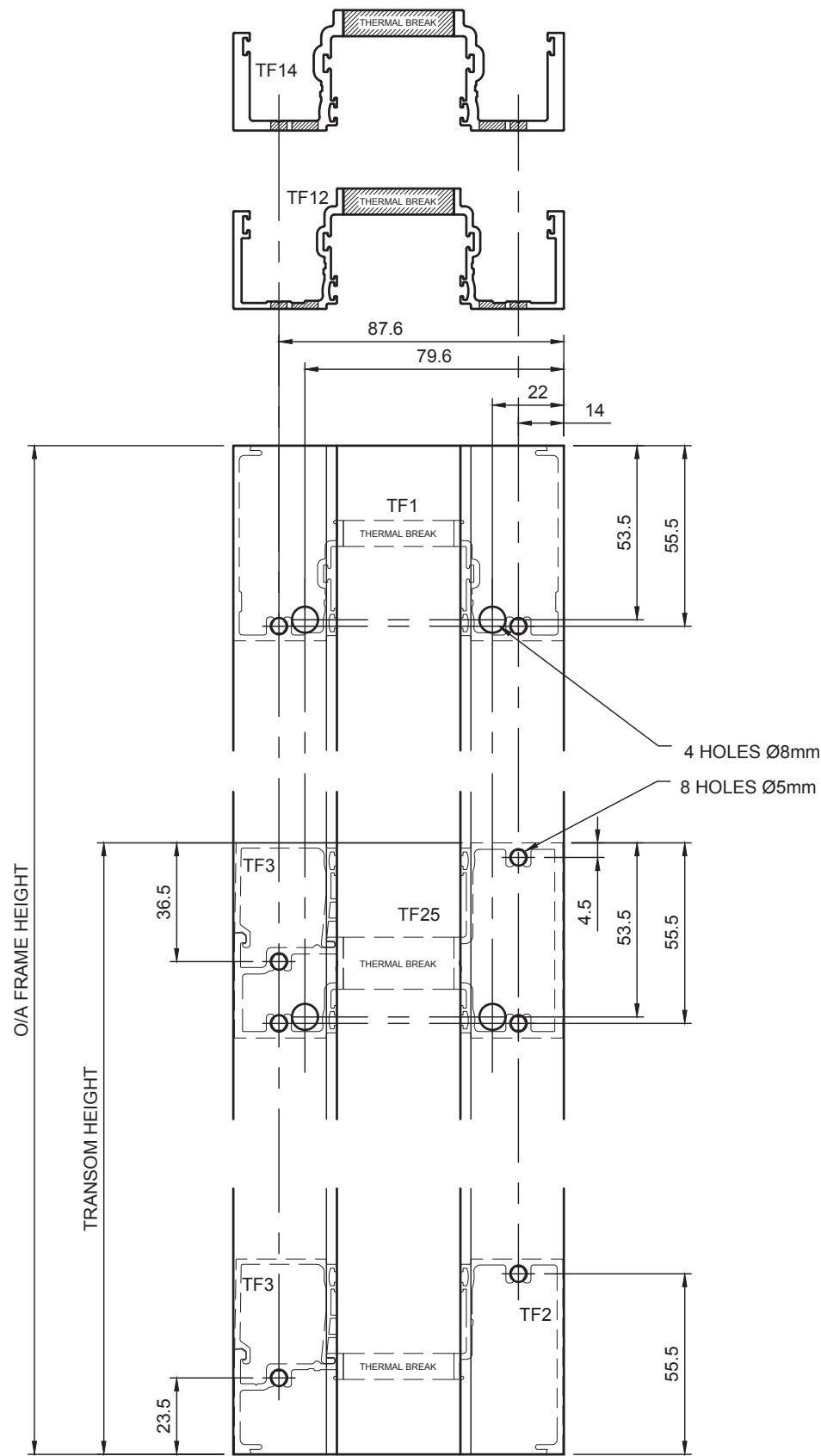
L.H. DRAWN
R.H. OPPOSITE



10. Manufacturing Details

Frame Preparation - Deep Pocket Mullion

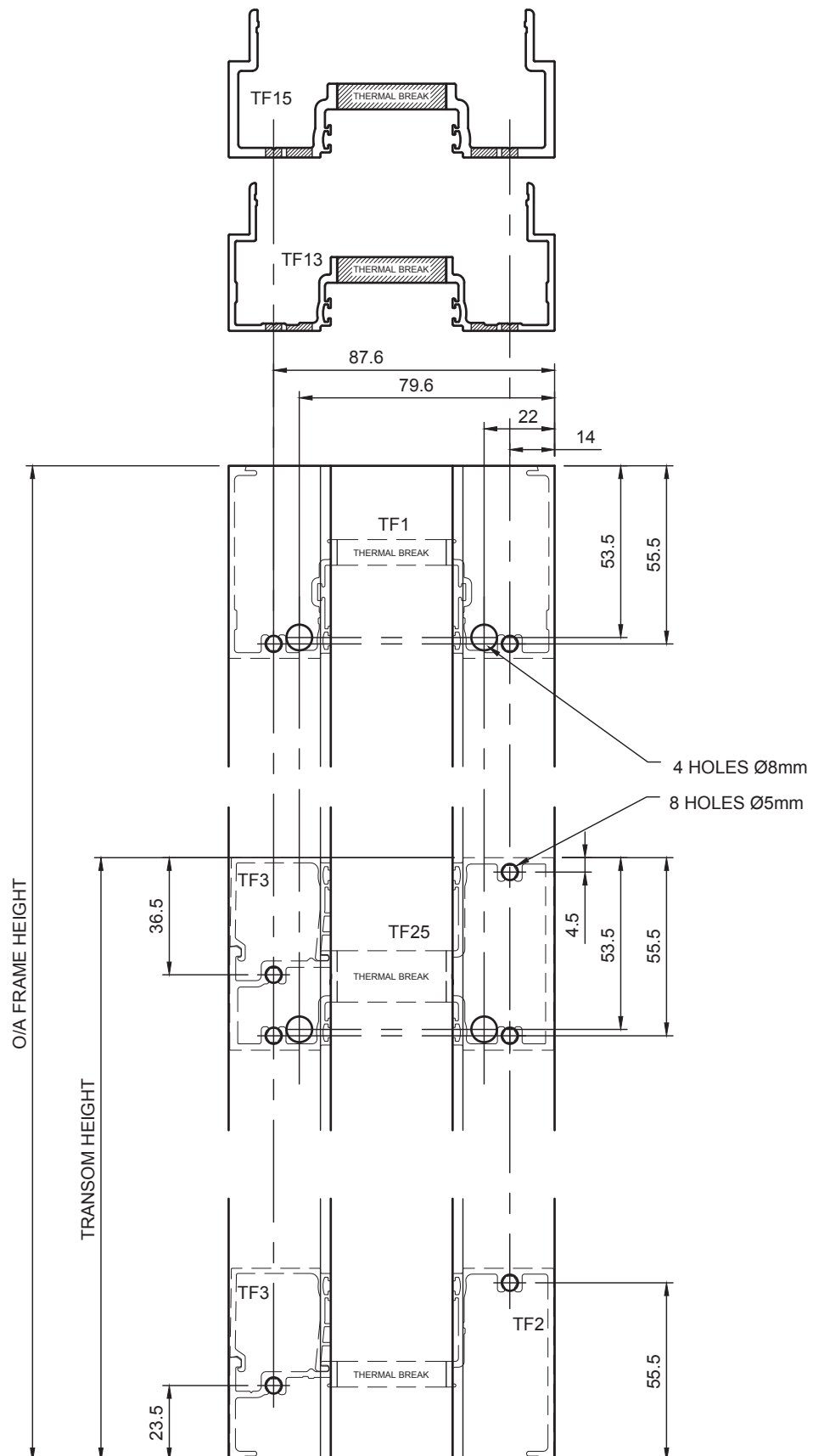
L.H. DRAWN
R.H. OPPOSITE



10. Manufacturing Details

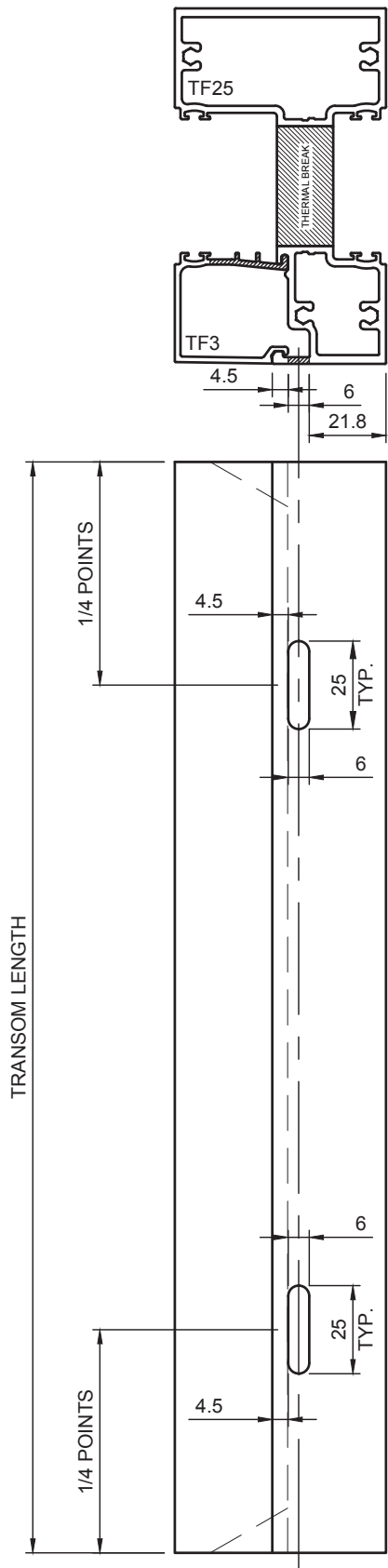
Frame Preparation - Shallow Pocket Mullions

L.H. DRAWN
R.H. OPPOSITE

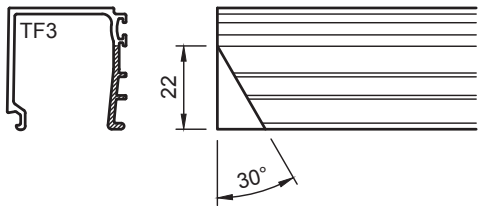


10. Manufacturing Details

Frame Preparation - Transom Drainage



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



DRAINAGE CUT BACK
INSIDE LEG OF BEAD ONLY
- BOTH ENDS AS ABOVE

11. Assembly Details

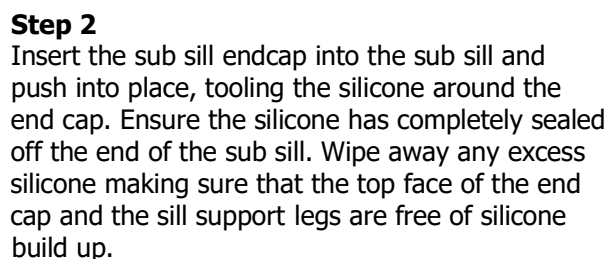
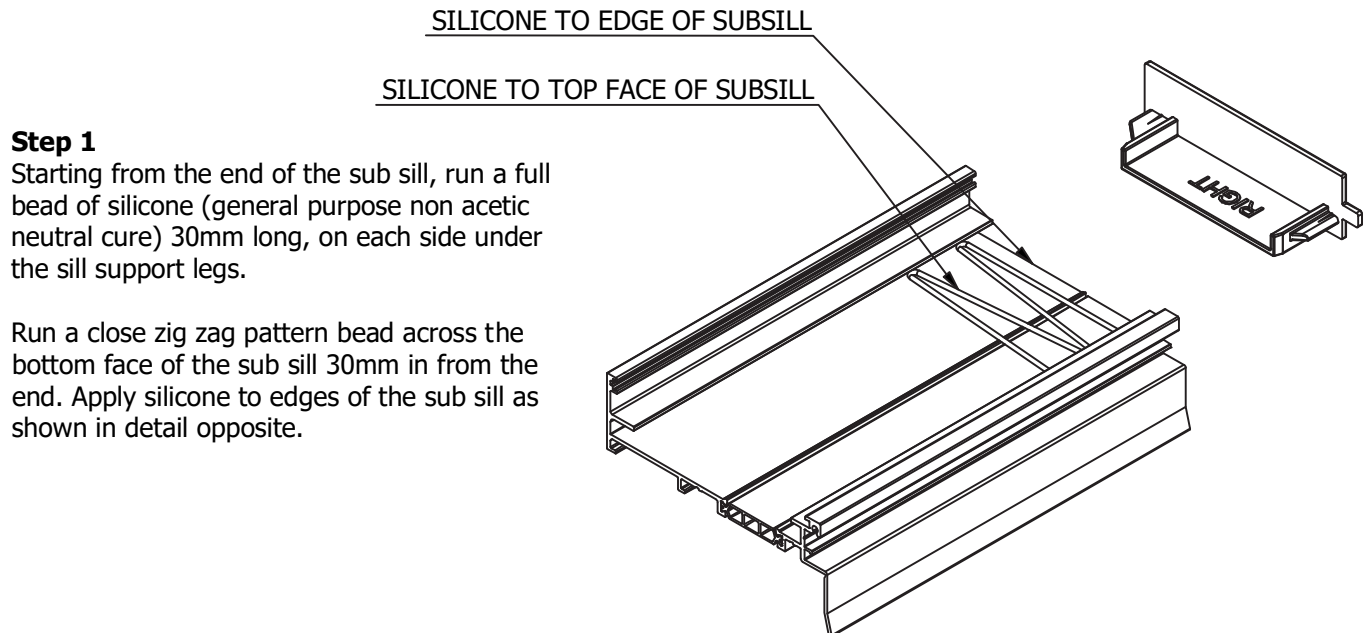
Sub Sill with End Cap

TA19 101.6mm ThermaFrame Sub Sill End Cap is a purpose designed component reducing labour time required for the installation and sealing of TF106S Sub Sill.

Installation time is less than 1 minute per end, with no cutting in of trim angles required.

TA19 101.6mm ThermaFrame Sub Sill End Cap eliminates blow back behind jambs and end walls, also eliminating unnecessary call backs to site to rectify sub sill leaks.

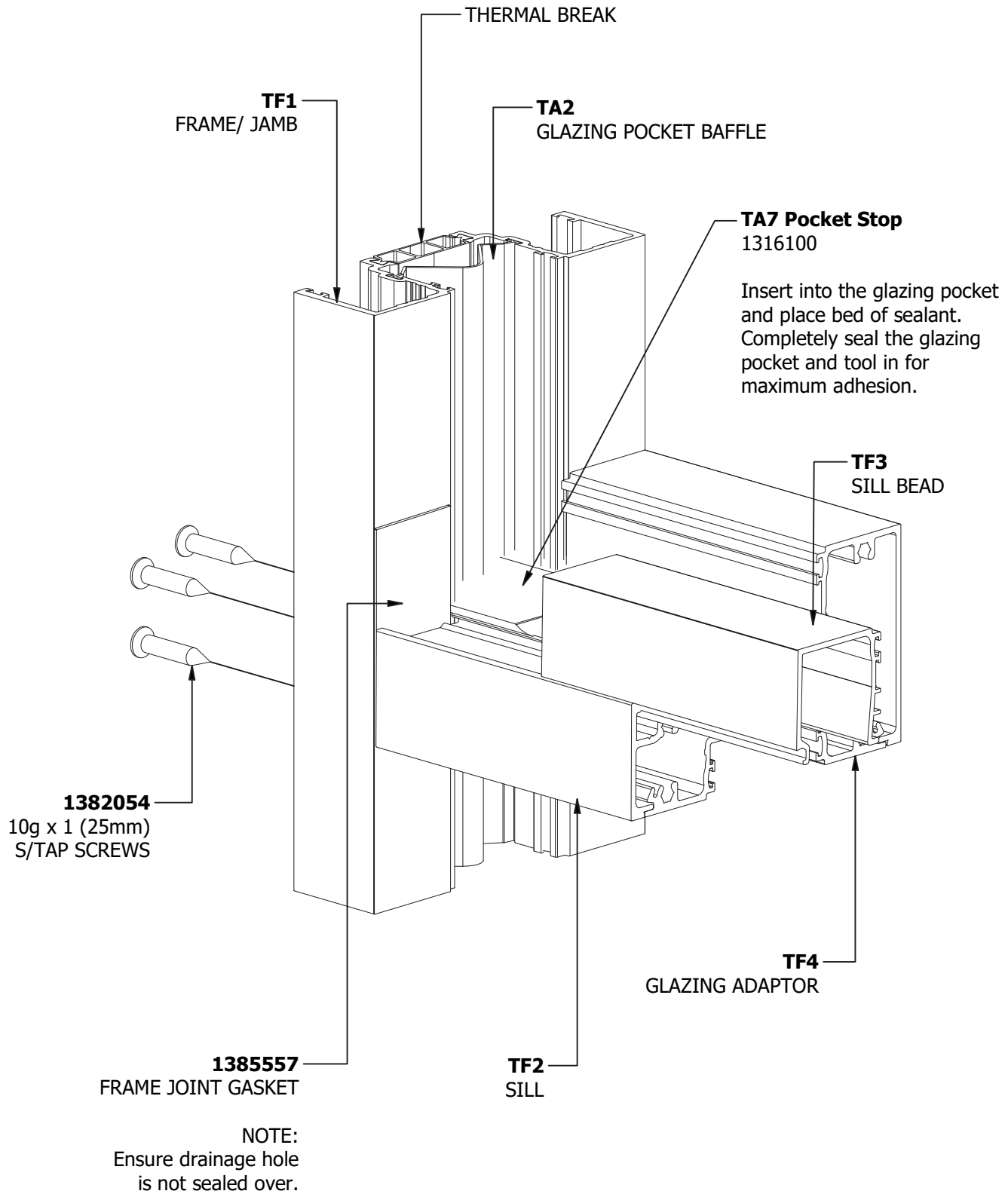
TA19 is available as a set with 1 left and 1 right end.



WIPE AWAY ANY EXCESS SILICONE
ENSURING ALL FACES ARE FULLY SEALED

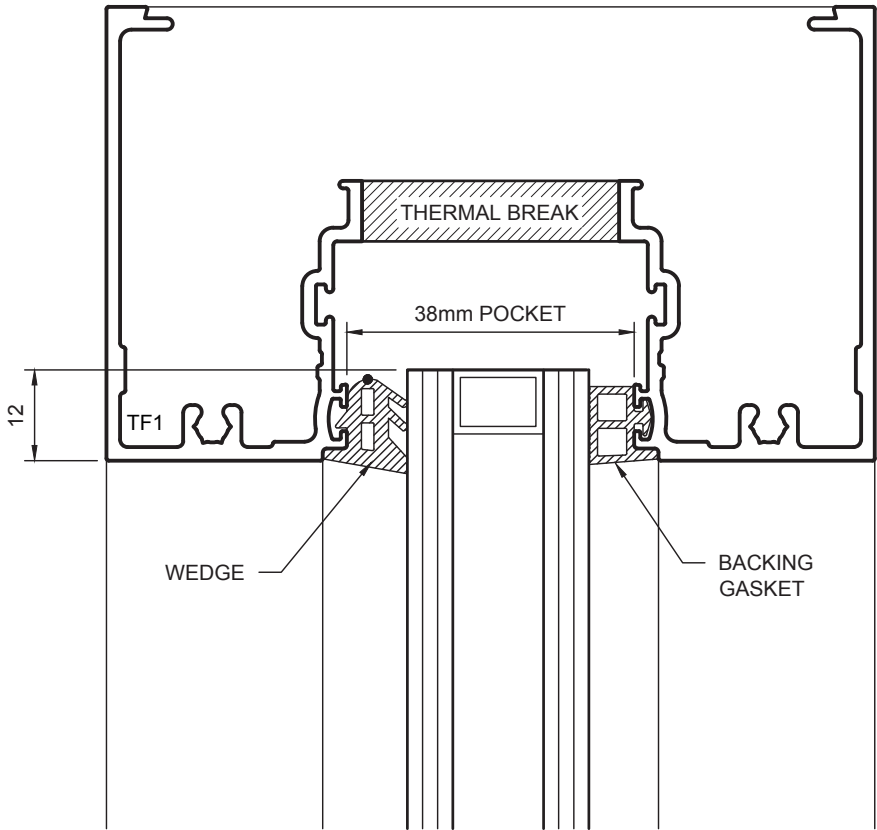
11. Assembly Details

Transom Assembly



12. Glazing Details

Captive Glazing

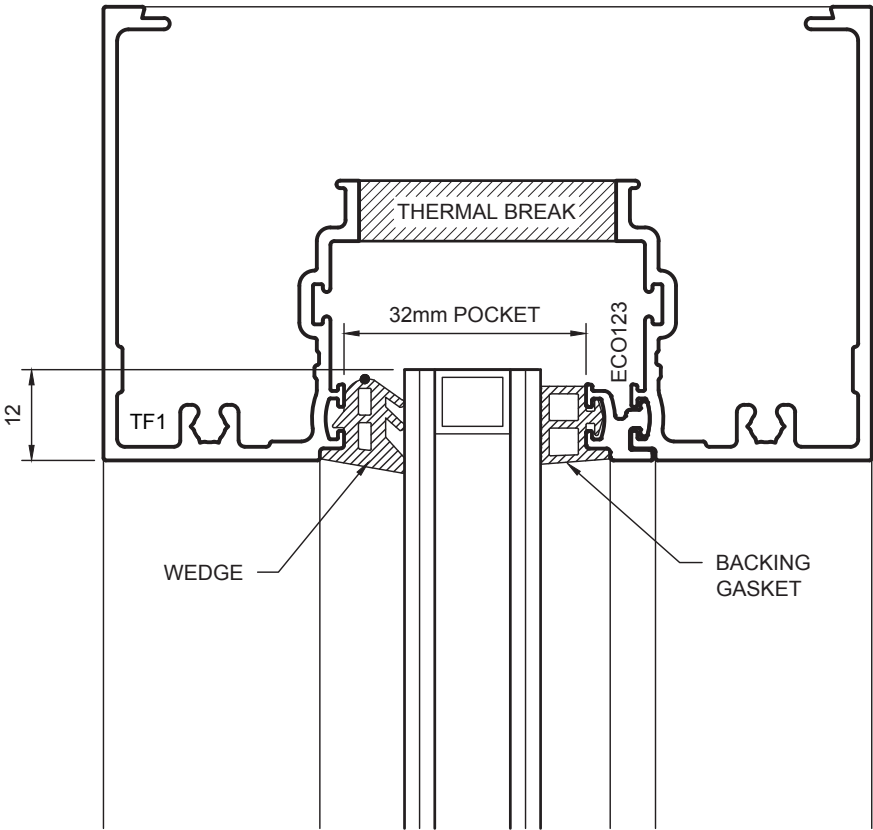


	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
24mm	ORANGE	GR48 (8mm)	GR49 (6mm)	CE49 (6mm)
25mm	RED	GR47 (7mm)	GR49 (6mm)	CE49 (6mm)
28mm	YELLOW	GR46 (6mm)	GR37 (4mm)	CE37 (4mm)
30mm	WHITE	GR44 (4mm)	GR37 (4mm)	CE37 (4mm)
32mm	WHITE	GR44 (4mm)	GR36 (2mm)	CE36 (2mm)

REVERSE GLAZING WEDGE COMBINATIONS FOR INTERNAL GLAZING

12. Glazing Details

ECO123 Glazing Adaptor

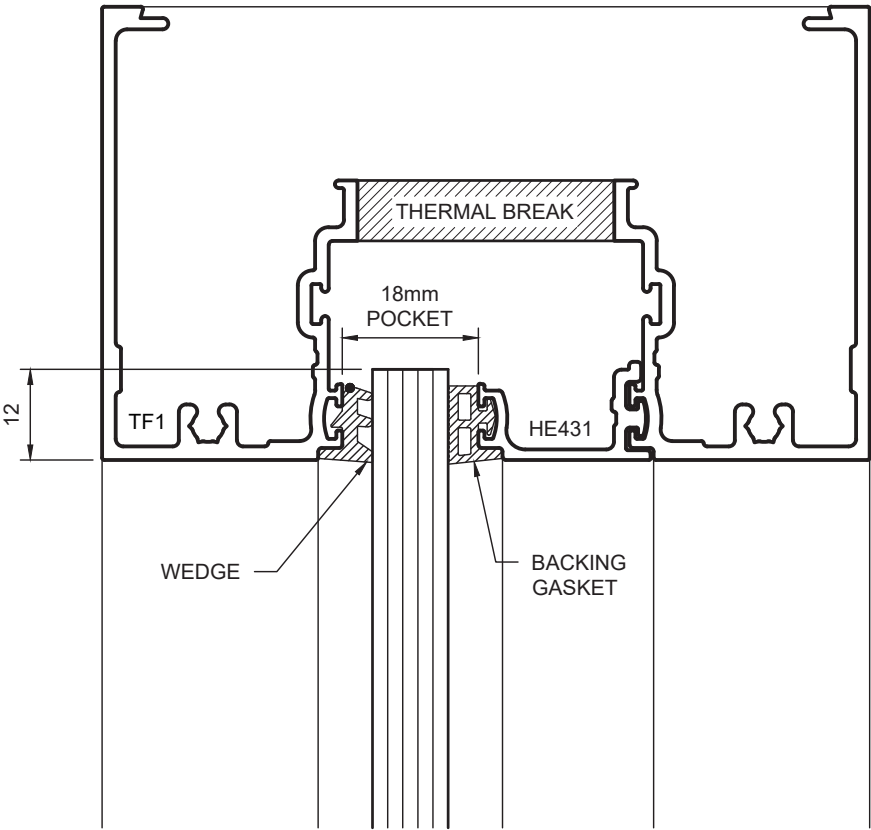


	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
14.52mm	GREEN	GR50 (9mm)	-	CE52S (8.5mm)
16mm	ORANGE	GR48 (8mm)	-	CE52S (8.5mm)
18mm	ORANGE	GR48 (8mm)	GR49 (6mm)	CE49 (6mm)
20mm	YELLOW	GR46 (6mm)	GR49 (6mm)	CE49 (6mm)
22mm	YELLOW	GR46 (6mm)	GR37 (4mm)	CE37 (4mm)

REVERSE GLAZING WEDGE COMBINATIONS FOR INTERNAL GLAZING

12. Glazing Details

HE431 Glazing Adaptor

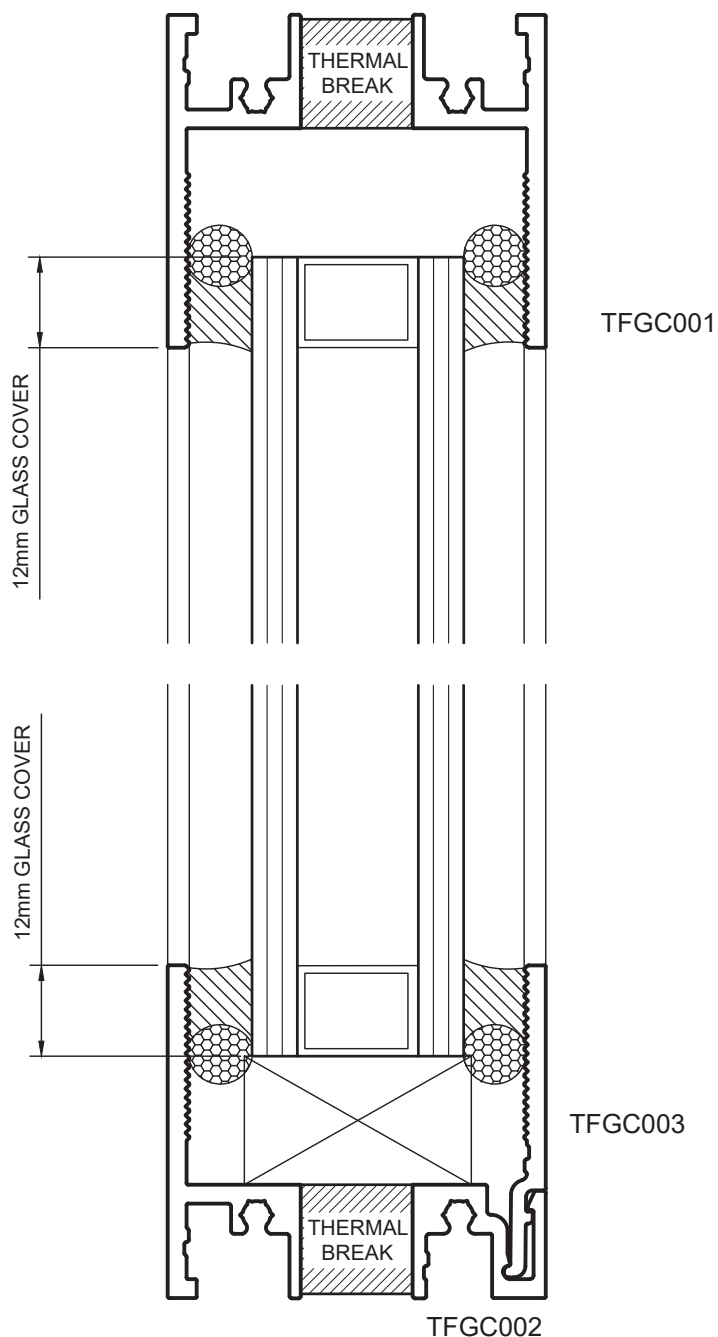


	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
6 / 6.38mm	YELLOW	GR46 (6mm)	GR49 (6mm)	CE49 (6mm)
8 / 8.38mm	YELLOW	GR46 (6mm)	GR37 (4mm)	CE37 (4mm)
10 / 10.38mm	WHITE	GR44 (4mm)	GR37 (4mm)	CE37 (4mm)
12 / 12.38mm	WHITE	GR44 (4mm)	GR36 (2mm)	CE36 (2mm)

REVERSE GLAZING WEDGE COMBINATIONS FOR INTERNAL GLAZING

12. Glazing Details

Thermally Broken Glazing Channel



NOTE:

SILICONE GLAZING ACCOMODATES GLASS
THICKNESSES OF 24 - 36mm

13. Care & Maintenance

FRAMING

Your new **ThermAFrame 101.6mm Centre Pocket** 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 **ThermAFrame 101.6mm Centre Pocket** frame will retain it's good looks and resist the elements for years to come.

The **ThermAFrame 101.6mm Centre Pocket** 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 **ThermAFrame 101.6mm Centre Pocket** 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 **ThermAFrame 101.6mm Centre Pocket** 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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