



THERMAFRAME

THERMALLY BROKEN WINDOW AND DOOR SYSTEMS

ThermAFrame 150mm Centre Pocket Framing

Technical Manual
April 2020 | ISSUE B

alspec[®]
ALUMINIUM SYSTEMS
SPECIALISTS

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It is important that a copy of the page be issued with the update and inserted as the first page in the customers technical manual.

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2. Technical Specifications

ALUMINIUM

Aluminium frames should be manufactured using Alspec's **THERMAFRAME 150mm 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 150mm 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 150mm 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 (Uplift).

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

3. Loading Tables

TF61 & TF64 Mullion Combination

Max Stress = 110Mpa

S = Serviceability limit state l/250

U = Ultimate limit state

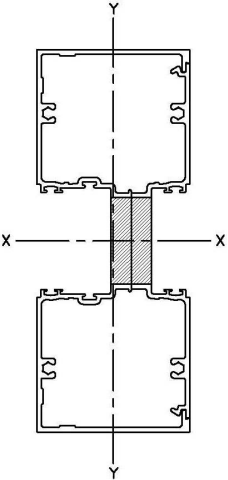
TF61 & TF64 MULLION COMBINATION	Mullion Height	Maximum Design Pressure (Pa)							
	4200	S	800	540					
		U	1870	1260					
	3900	S	1010	680	510				
		U	2170	1460	1110				
	3600	S	1280	860	660	540			
		U	2550	1720	1310	1070			
	3300	S	1670	1130	870	710	620	550	
		U	3050	2060	1570	1290	1110	990	
	3000	S	2230	1510	1170	970	850	770	720
		U	3690	2500	1920	1590	1380	1240	1160
	2700	S	3000	2100	1630	1370	1210	1110	1060
		U	4580	3110	2410	2000	1760	1610	1520
	2400	S	3000	3000	2370	2020	1810	1710	1670
		U	5820	3980	3110	2620	2330	2180	2130
	2100	S	3000	3000	3000	3000	2930	2860	2710
		U	7650	5290	4170	3590	3280	3190	3030
	1800	S	3000	3000	3000	3000	3000	3000	3000
		U	9000	7370	5950	5270	5060	4800	4560
I_{xx} = 1680 x 10³ mm⁴	Mullion Centres		600	900	1200	1500	1800	2100	2400

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

3. Loading Tables

TF72 & TF73 Split Mullions

Max Stress = 110Mpa

S = Serviceability limit state 1/250

U = Ultimate limit state

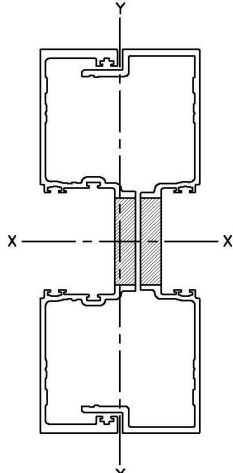
TF72 & TF73 SPLIT MULLIONS	Mullion Height	Maximum Design Pressure (Pa)						
		S	U	S	U	S	U	S
	4500	800	600					
		1880	1430					
	4200	980	750	610				
		2170	1640	1340				
	3900	1230	940	770	660	580		
		2520	1920	1560	1330	1170		
	3600	1570	1200	990	850	750	690	650
		2970	2260	1850	1580	1400	1280	1190
	3300	2050	1580	1300	1120	1010	930	880
		3550	2710	2230	1920	1710	1570	1480
	3000	2750	2120	1760	1540	1400	1310	1260
		4320	3320	2740	2380	2140	1990	1910
	2700	3000	2960	2480	2190	2020	1930	1900
		5370	4150	3460	3030	2770	2630	2580
	2400	3000	3000	3000	3000	3000	3000	3000
		6870	5360	4520	4030	3770	3680	3770
	2100	3000	3000	3000	3000	3000	3000	3000
		9000	7200	6180	5660	5500	5680	5390
	1800	3000	3000	3000	3000	3000	3000	3000
		9000	9000	9000	8730	8290	7870	7470
Ixx = 3050 x 10³ mm⁴	Mullion Centres	600	900	1200	1500	1800	2100	2400

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

3. Loading Tables

TF74 & TF75 H.D. Split Mullions

Max Stress = 110Mpa

S = Serviceability limit state I/250

U = Ultimate limit state

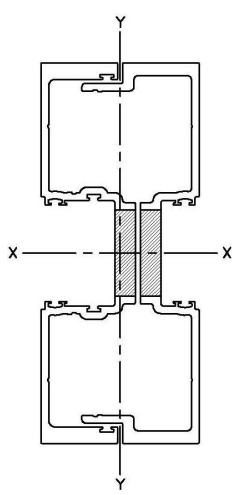
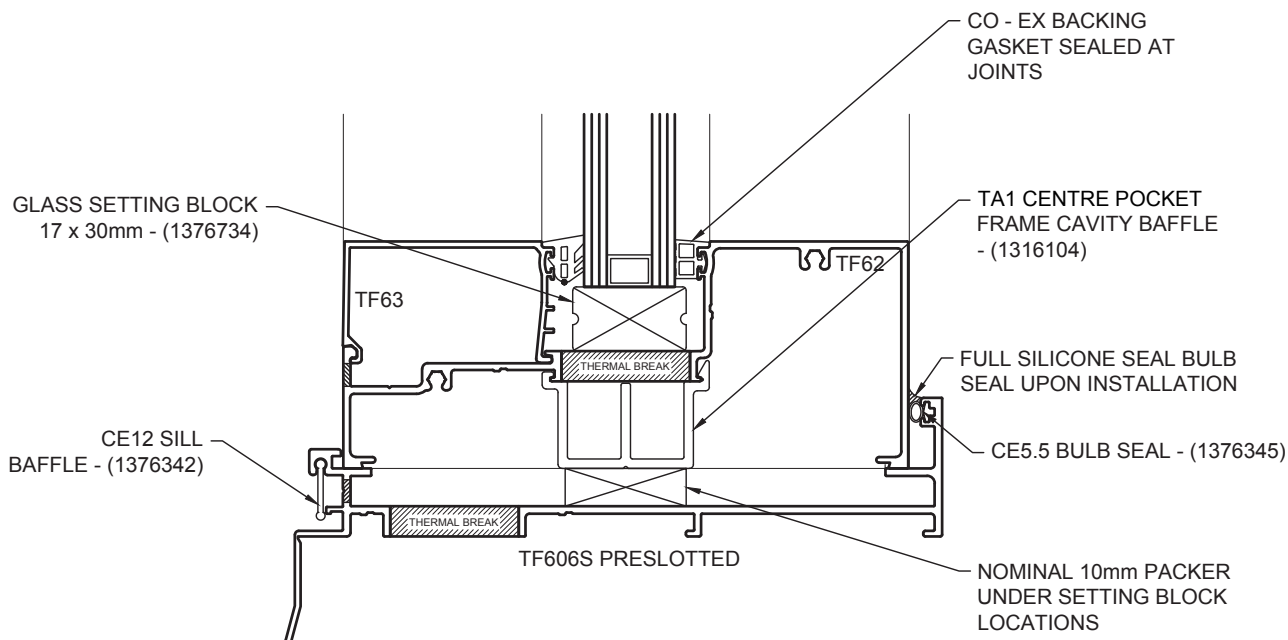
TF74 & TF75 H.D. SPLIT MULLIONS	Mullion Height	Maximum Design Pressure (Pa)						
	4500	S	1260	840	640	520		
		U	3130	2100	1590	1290		
	4200	S	1550	1040	790	640	550	
		U	3600	2420	1840	1490	1270	
	3900	S	1940	1310	990	810	690	610
		U	4180	2810	2140	1740	1490	1310
	3600	S	2470	1670	1270	1040	900	800
		U	4910	3310	2530	2060	1770	1570
	3300	S	3000	2180	1670	1380	1190	1070
		U	5860	3960	3030	2490	2140	1910
	3000	S	3000	2920	2250	1870	1630	1480
		U	7110	4820	3700	3060	2650	2390
	2700	S	3000	3000	3000	2630	2320	2140
		U	8800	5990	4630	3860	3390	3100
	2400	S	3000	3000	3000	3000	3000	3000
		U	9000	7670	5980	5040	4490	4200
	2100	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	8030	6900	6320	6130
	1800	S	3000	3000	3000	3000	3000	3000
		U	9000	9000	9000	9000	9000	9000
I_{xx} = 3230 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:	AS14.235
SYSTEM CONFIGURATION	THERMAFRAME 150mm CENTRE POCKET WITH TF72 & TF73 MULLION
TEST SAMPLE SIZE	3.15m H x 2.06m W
SERVICEABILITY LOAD	+/- 2.15 kPa
ULTIMATE LOAD	+/- 3.50 kPa
WATER PENETRATION	1000 Pa
AIR INFILTRATION	75Pa + 0.08L/m/s ² - 0.10L/m/s ²
	150Pa + 0.11L/m/s ² - 0.21L/m/s ²



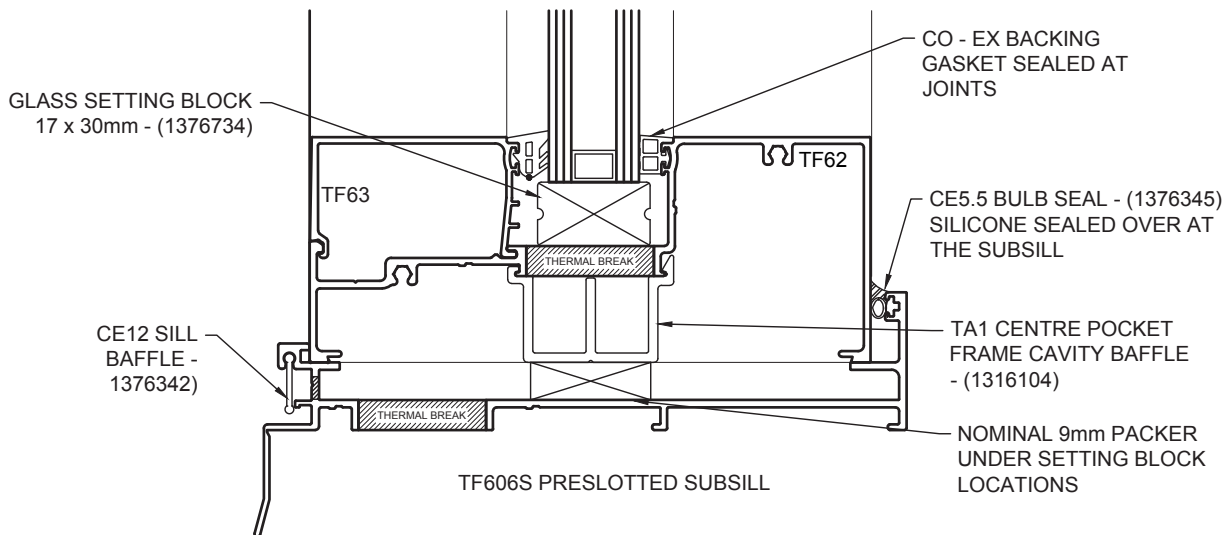
DISCLAIMER:

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 Alspect prior to commencement.

4. Test Summary

AS2047 - Fixed/ Fixed

TEST REPORT:	AS15.270
SYSTEM CONFIGURATION	THERMAFRAME 150mm CENTRE POCKET WITH TF64 & TF61 MULLION
TEST SAMPLE SIZE	2.43m H x 2.43m W
SERVICEABILITY LOAD	+/- 2.3 kPa
ULTIMATE LOAD	+/- 3.1 kPa
WATER PENETRATION	700 Pa
AIR INFILTRATION @ 75Pa	+ 0.11L/m/s ² - 0.15L/m/s ²



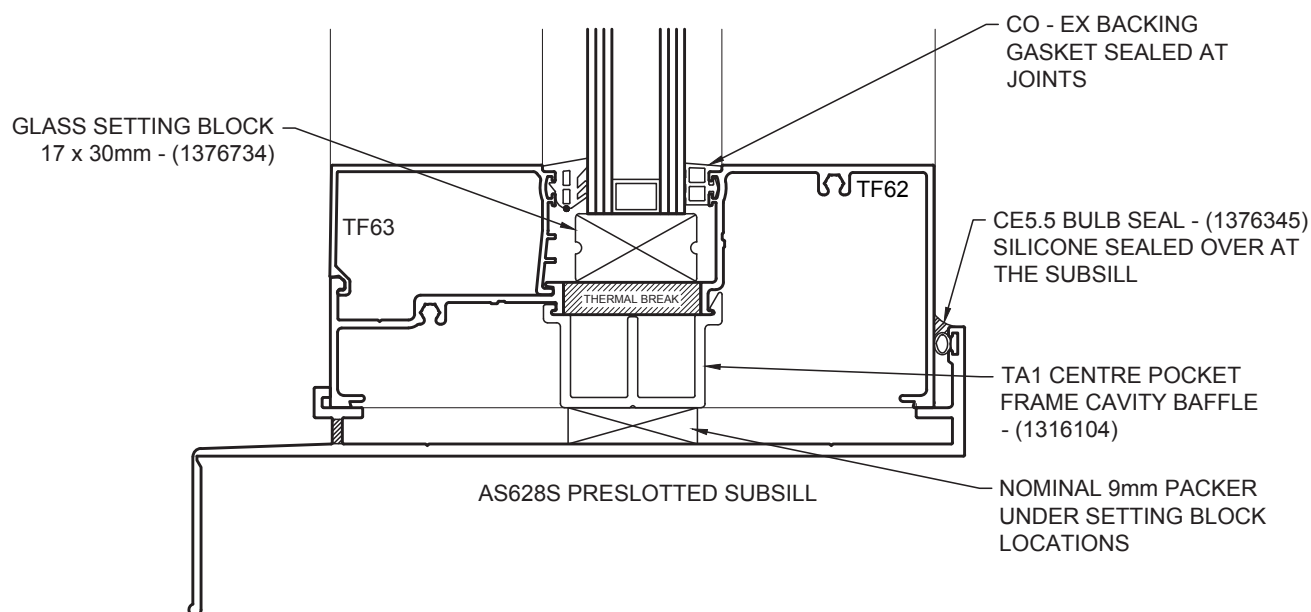
DISCLAIMER:

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 Over Fixed/ Fixed

TEST REPORT:	AS15.252
SYSTEM CONFIGURATION	THERMAFRAME 150mm CENTRE POCKET WITH TF74 & TF75 MULLIONS AND TF85 & TF63 TRANSOM
TEST SAMPLE SIZE	2.70m H x 3.06m W
SERVICEABILITY LOAD	+/- 2.5 kPa
ULTIMATE LOAD	+/- 4.0 kPa
WATER PENETRATION	800 Pa
AIR INFILTRATION @ 75Pa	+ 0.03L/m/s ² - 0.26L/m/s ²



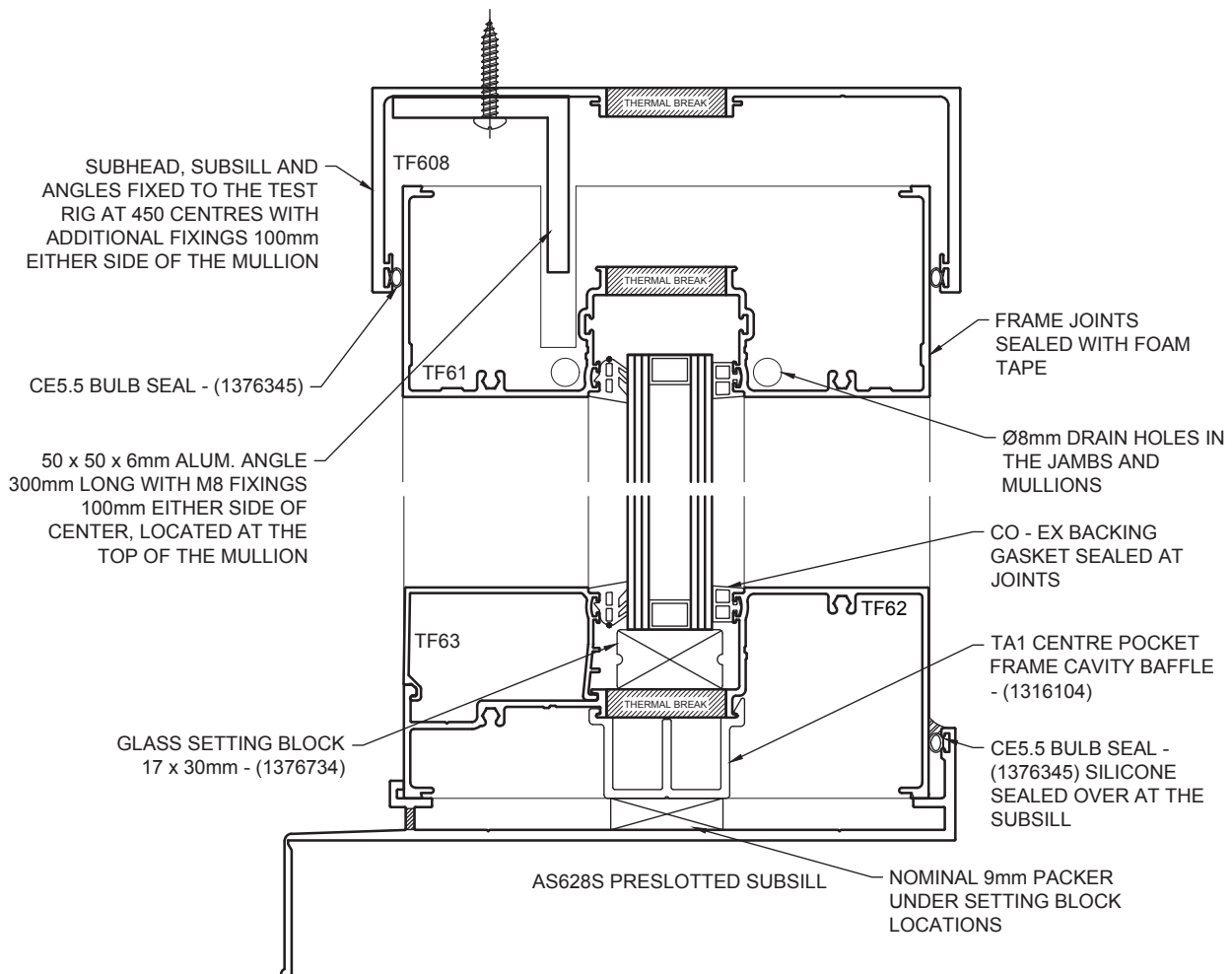
DISCLAIMER:

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 Over Fixed/ Fixed

TEST REPORT:	AS15.253
SYSTEM CONFIGURATION	THERMAFRAME 150mm CENTRE POCKET WITH TF74 & TF75 MULLIONS AND TF85 & TF63 TRANSOM, WITH 50x50x6mm MULLION ANGLE SUPPORT
TEST SAMPLE SIZE	2.70m H x 3.06m W
SERVICEABILITY LOAD	+/- 2.6 kPa
ULTIMATE LOAD	+/- 5.52 kPa



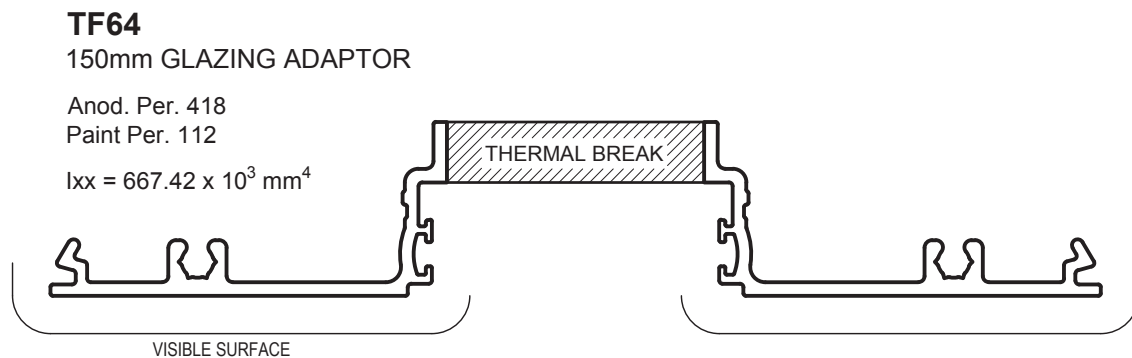
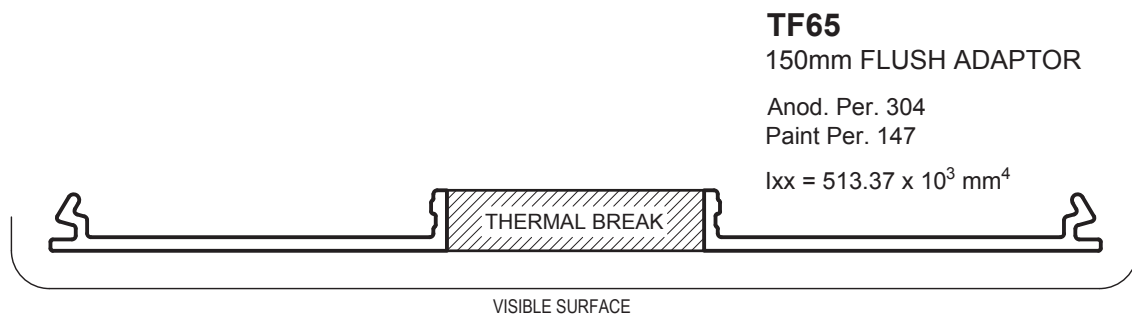
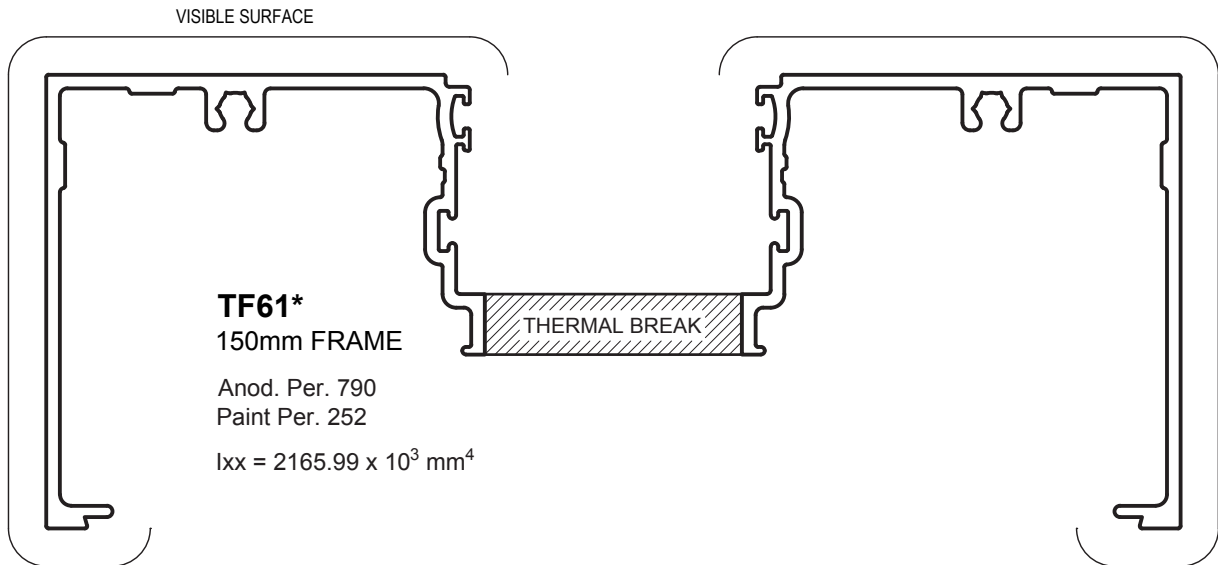
DISCLAIMER:

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.

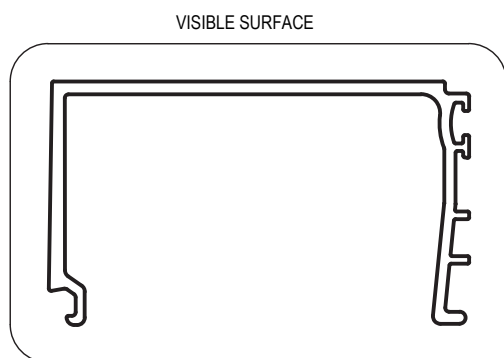
5. Extrusions

AUSTRALIAN PATENT No. 2013904581

* DENOTES REGISTERED DESIGN

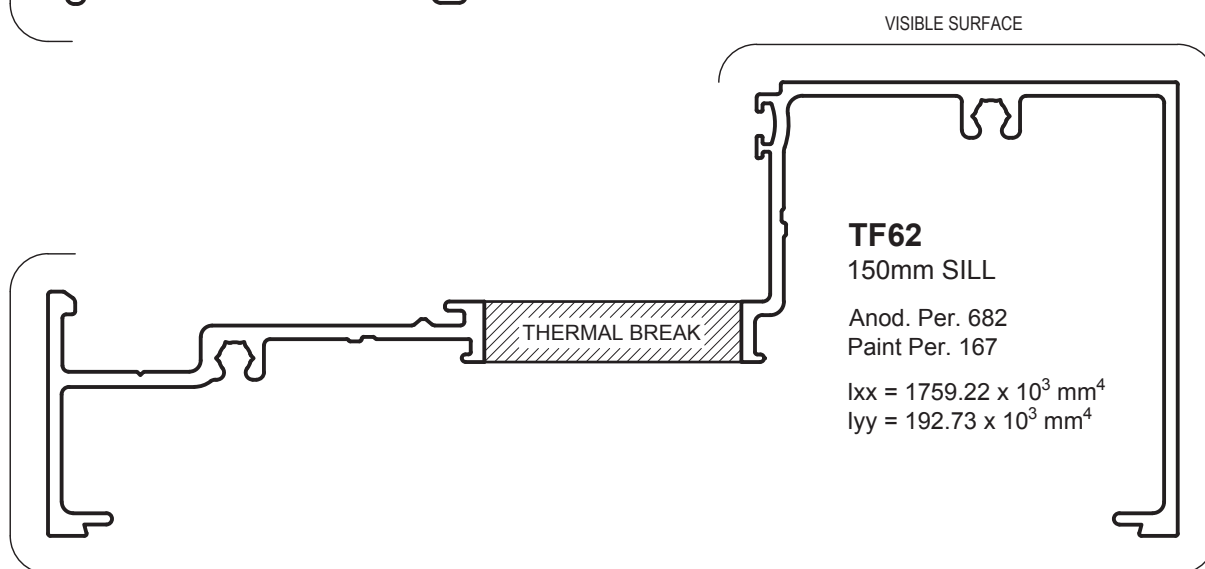


5. Extrusions



TF63 SILL BEAD

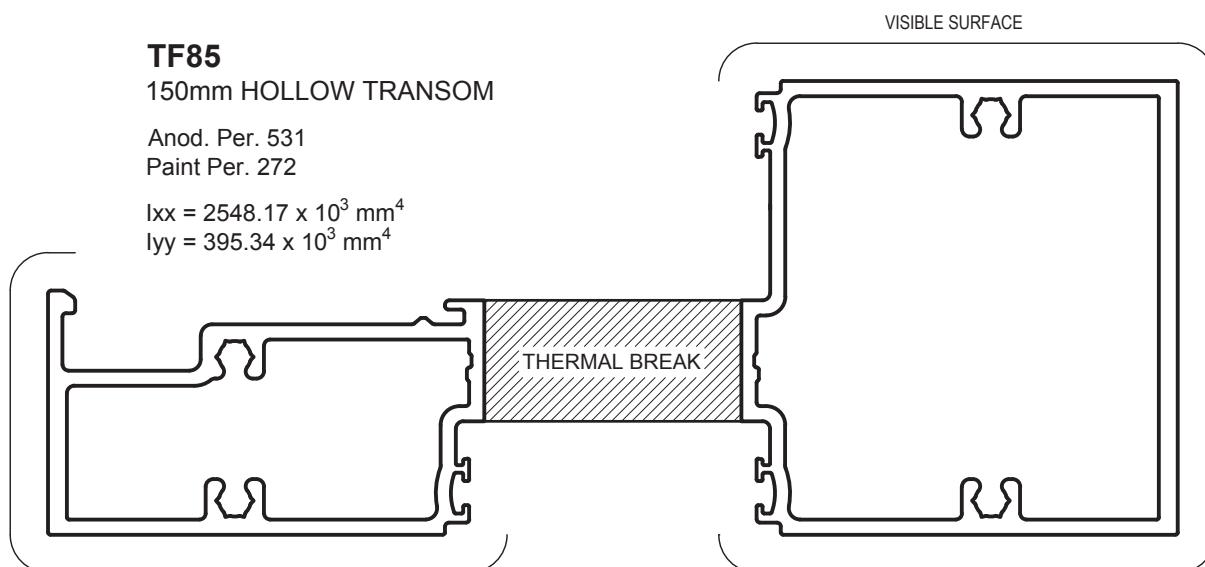
Anod. Per. 260
Paint Per. 100



TF62 150mm SILL

Anod. Per. 682
Paint Per. 167

$I_{xx} = 1759.22 \times 10^3 \text{ mm}^4$
 $I_{yy} = 192.73 \times 10^3 \text{ mm}^4$



TF85 150mm HOLLOW TRANSOM

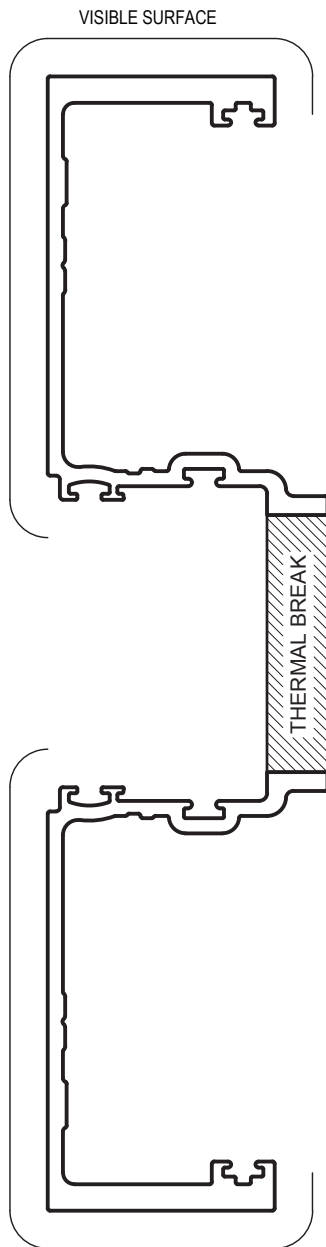
Anod. Per. 531
Paint Per. 272

$I_{xx} = 2548.17 \times 10^3 \text{ mm}^4$
 $I_{yy} = 395.34 \times 10^3 \text{ mm}^4$

5. Extrusions

AUSTRALIAN PATENT No. 2013904581

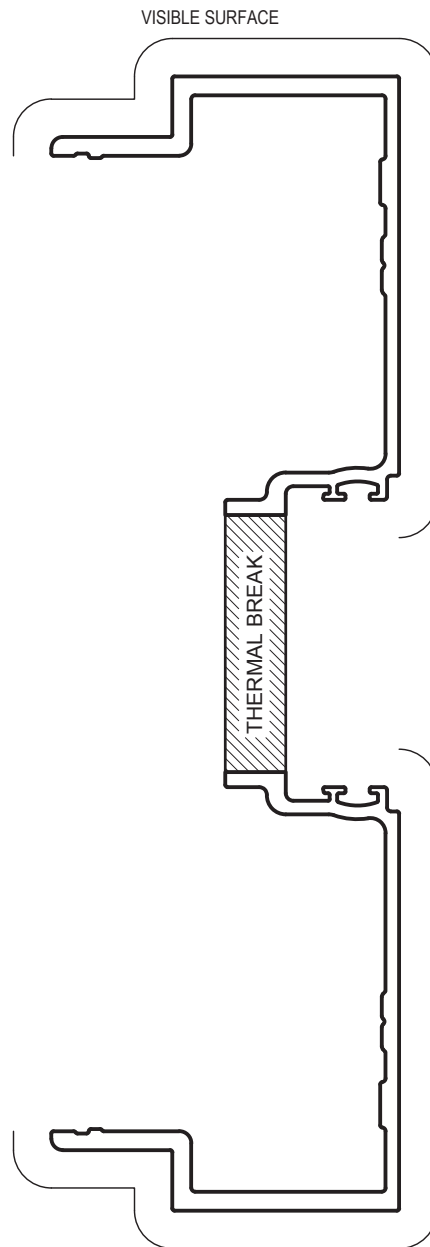
* DENOTES REGISTERED DESIGN



TF72*
150mm MULLION DEEP

Anod. Per. 604
Paint Per. 192

$I_{xx} = 1883.02 \times 10^3 \text{ mm}^4$



TF73
150mm MULLION SHALLOW

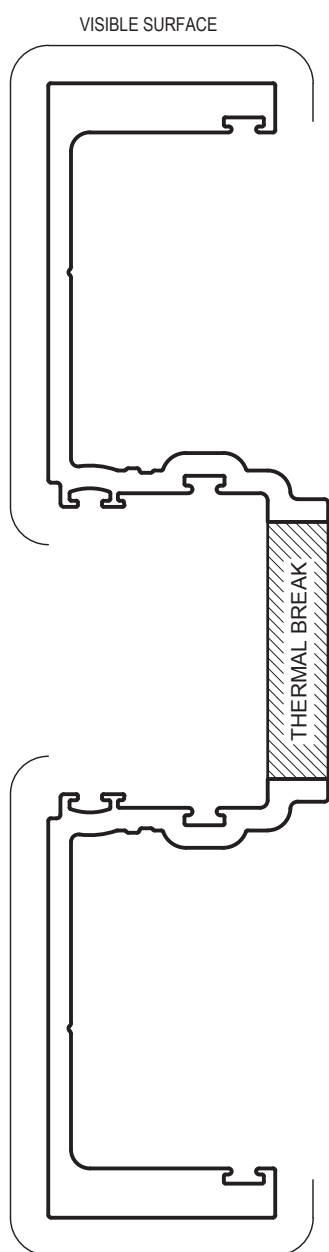
Anod. Per. 580
Paint Per. 224

$I_{xx} = 1897.79 \times 10^3 \text{ mm}^4$

5. Extrusions

AUSTRALIAN PATENT No. 2013904581

* DENOTES REGISTERED DESIGN

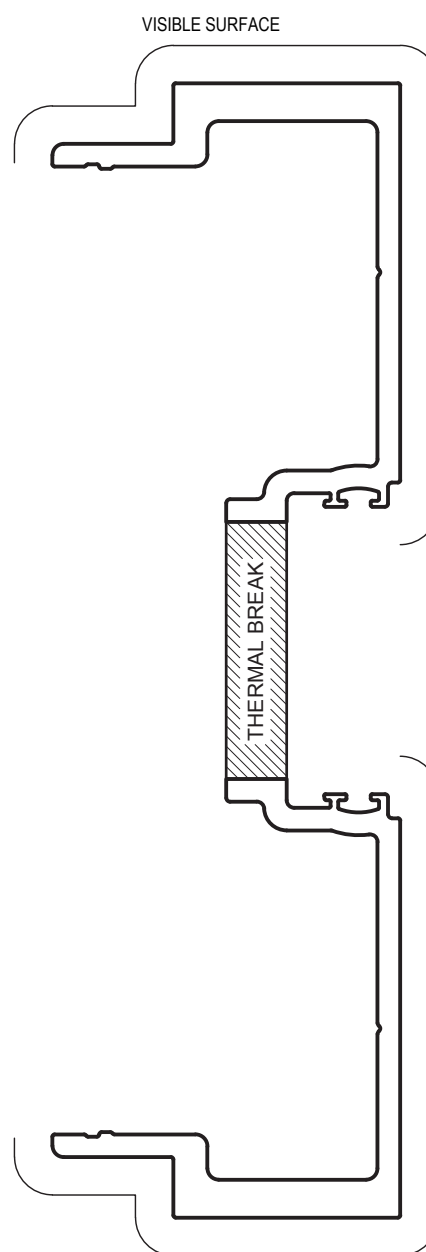


TF74*

150mm H.D.
MULLION DEEP

Anod. Per. 604
Paint Per. 192

$I_{xx} = 2701.19 \times 10^3 \text{ mm}^4$



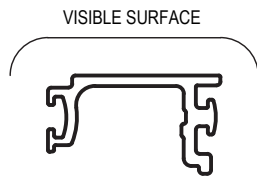
TF75

150mm H.D.
MULLION SHALLOW

Anod. Per. 564
Paint Per. 224

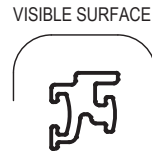
$I_{xx} = 2980.45 \times 10^3 \text{ mm}^4$

5. Extrusions



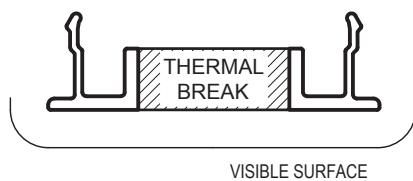
HE431
SINGLE GLAZE
ADAPTOR

Anod. Per. 105
Paint Per. 100



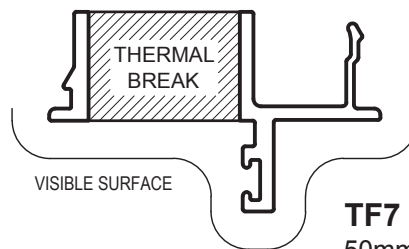
ECO123
GLAZING
ADAPTOR

Anod. Per. 100
Paint Per. 100



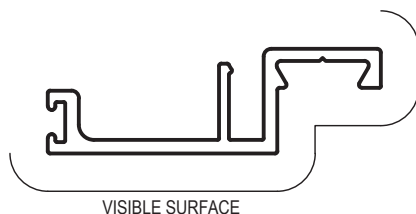
TF8
FLUSH POCKET INFILL

Anod. Per. 156
Paint Per. 100



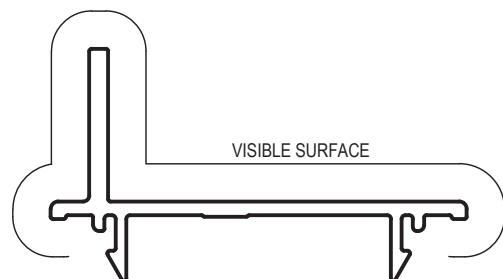
TF7
50mm DOOR STOP

Anod. Per. 210
Paint Per. 100



TF67
50mm DOOR
STOP ADAPTOR

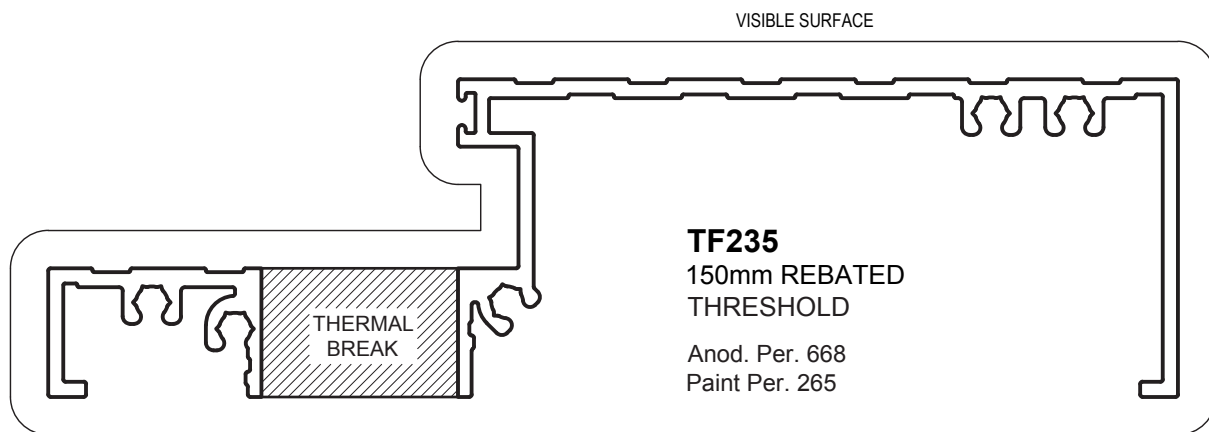
Anod. Per. 164
Paint Per. 100



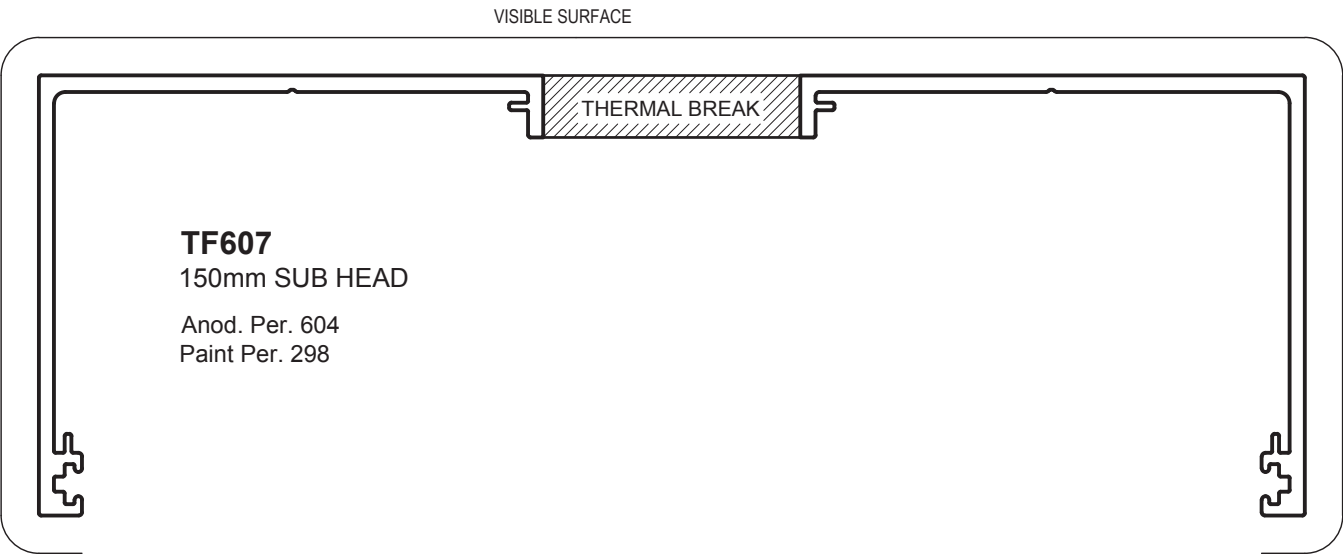
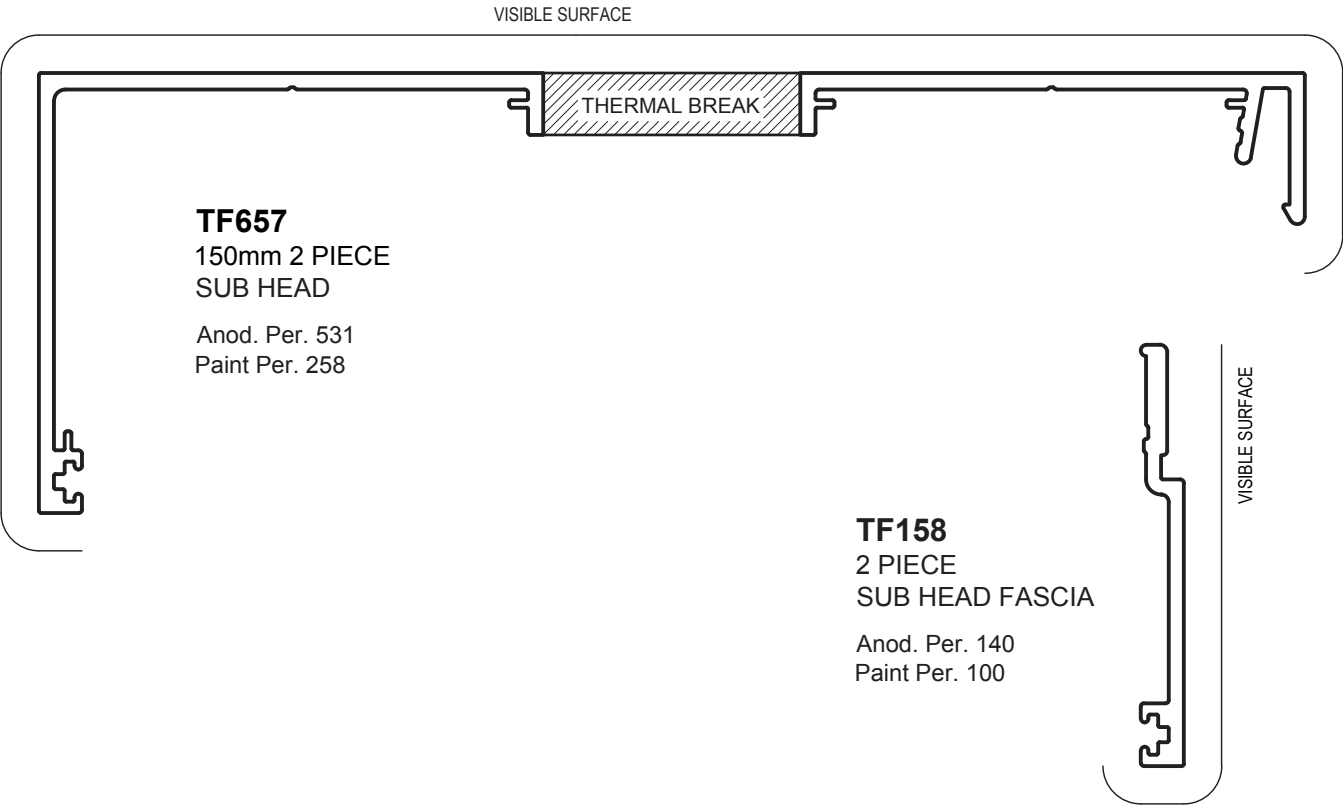
TF82
56mm AWNING
ADAPTOR 150CP

Anod. Per. 195
Paint Per. 102

5. Extrusions

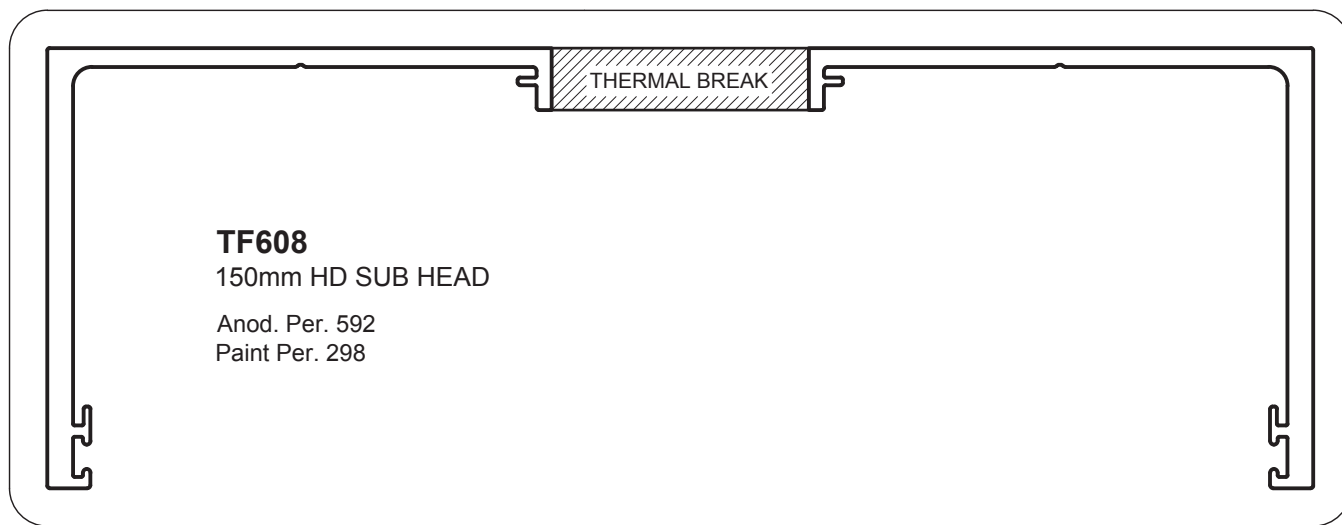


5. Extrusions

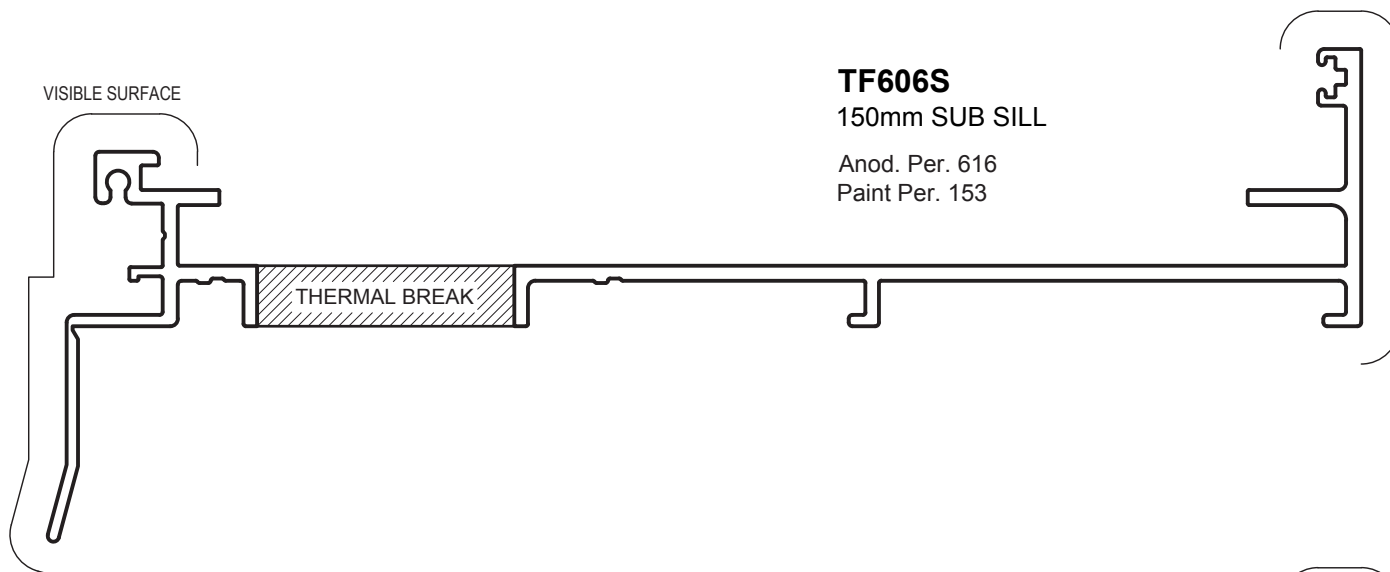


5. Extrusions

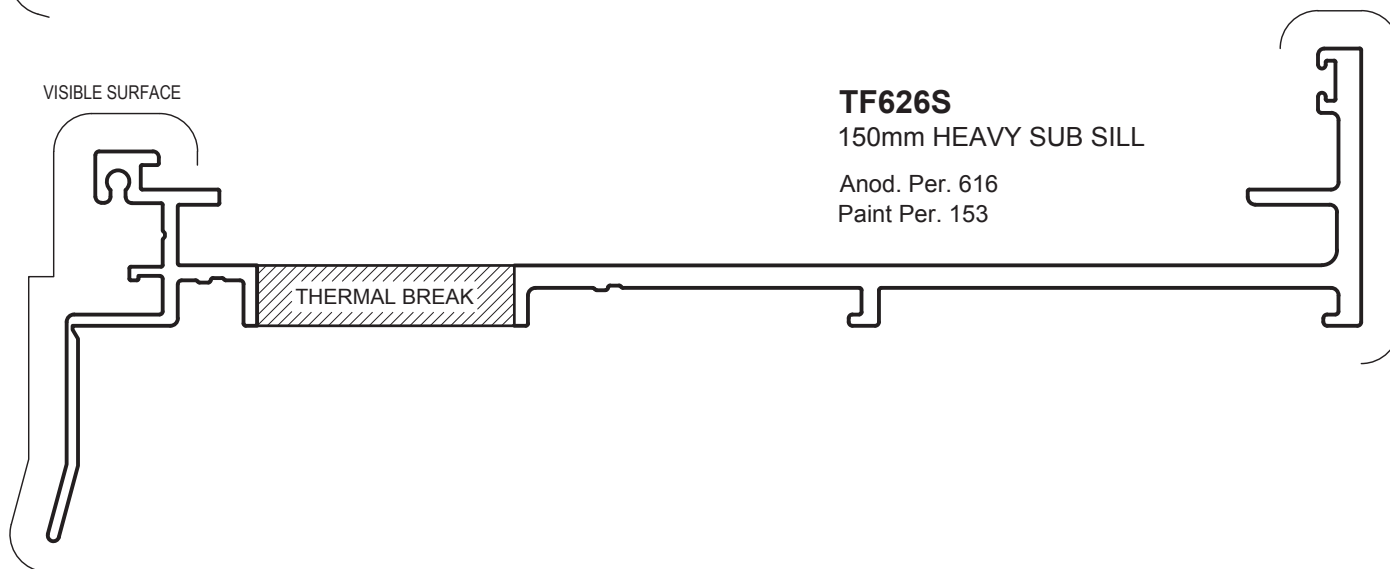
VISIBLE SURFACE



VISIBLE SURFACE



VISIBLE SURFACE



6. Hardware & Components

Glazing Wedges

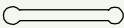
IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	3mm	PVC	1313055	GR43 GLAZING WEDGE (BROWN) (3mm GAP) PVC x 200m ROLL
		S/PRENE	1313063	GR43S GLAZING WEDGE (BROWN) (3mm GAP) S/PRENE x 200m ROLL
	4mm	PVC	1313056	GR44 GLAZING WEDGE (WHITE) (4mm GAP) PVC x 200m ROLL
		S/PRENE	1313064	GR44S GLAZING WEDGE (WHITE) (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
	1376202	BLACK (034)	SR1 SKIRTING RUBBER BLACK MTR
	1376201		SR1B-100 SKIRTING RUBBER BLACK
	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

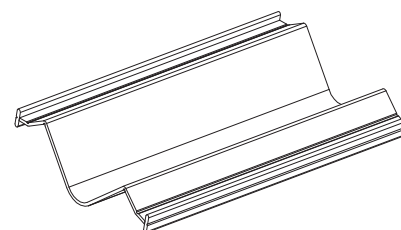
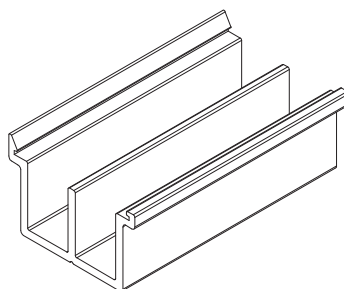
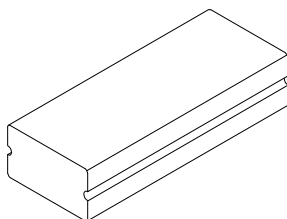
Fasteners

SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382054	PHILLIPS #2	10g x 1 (25mm) SS PHIL PAN S/TAP SCREW x 500	MAIN FRAME
1382030	PHILLIPS #2	6g x 1/2 (13mm) SS PHIL PAN S/TAP SCREW x 1000	DOOR STOP

Frame Joint Gaskets

PART #	DESCRIPTION	FINISH
1385560	FJG008 60mm x 150mm 760 PER ROLL	BLACK (034) GREY (036)

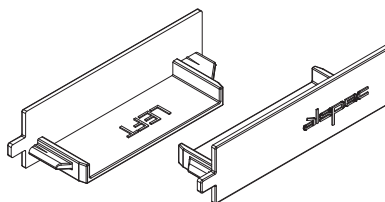
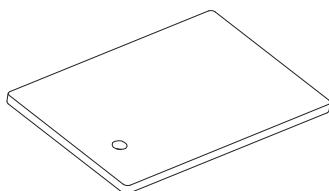
Accessories



SETTING BLOCK 17 x 30 x 75mm BAG OF 50	
PART	1376734
FINISH	BLACK (034)
QTY	BAG of 50

TA1 CENTRE POCKET FRAME CAVITY BAFFLE x 3.6m	
PART	1316104
FINISH	BLACK (034)
QTY	EACH (3.6m LENGTHS)

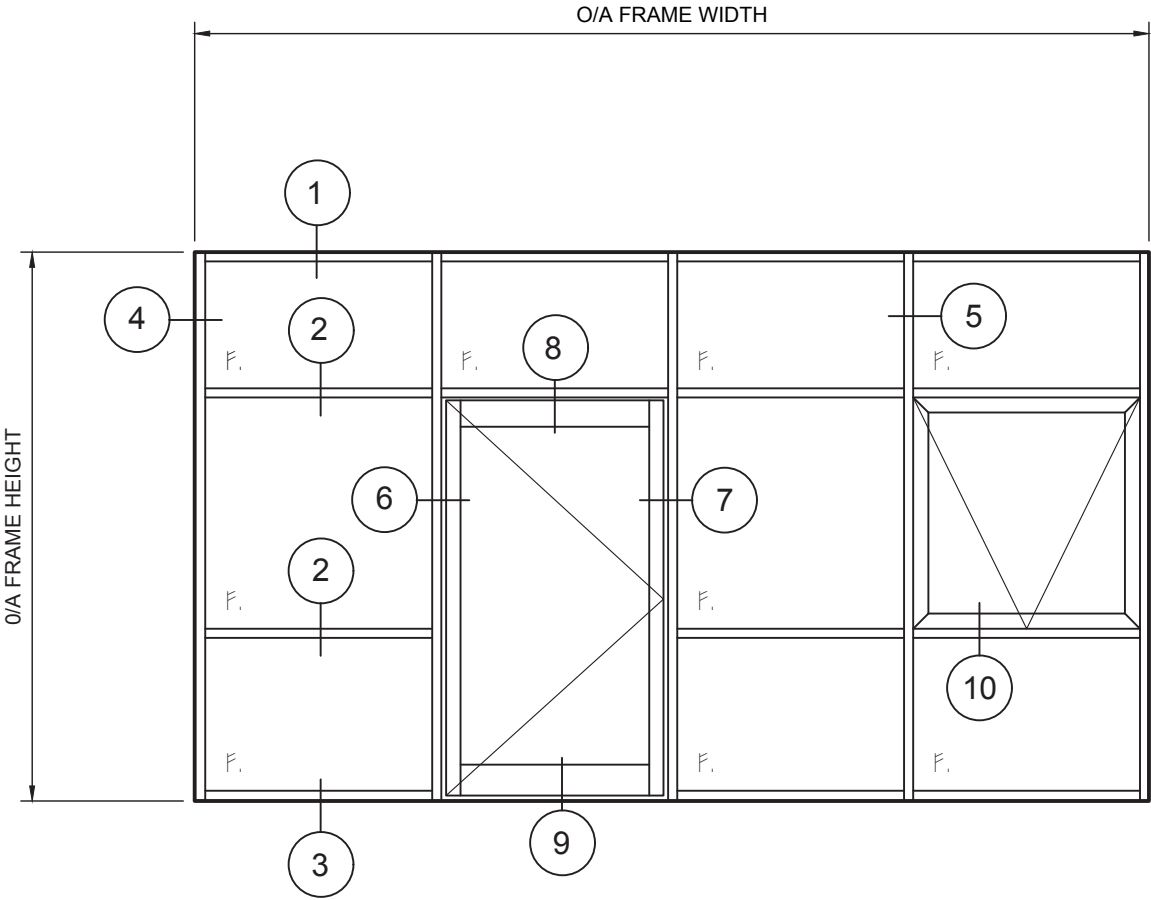
TA2 GLAZING POCKET BAFFLE x 100m ROLL	
PART	1316105
FINISH	BLACK (034)
QTY	EACH



TA7 38mm POCKET STOP	
PART	1316100
FINISH	BLACK (034)
QTY	EACH

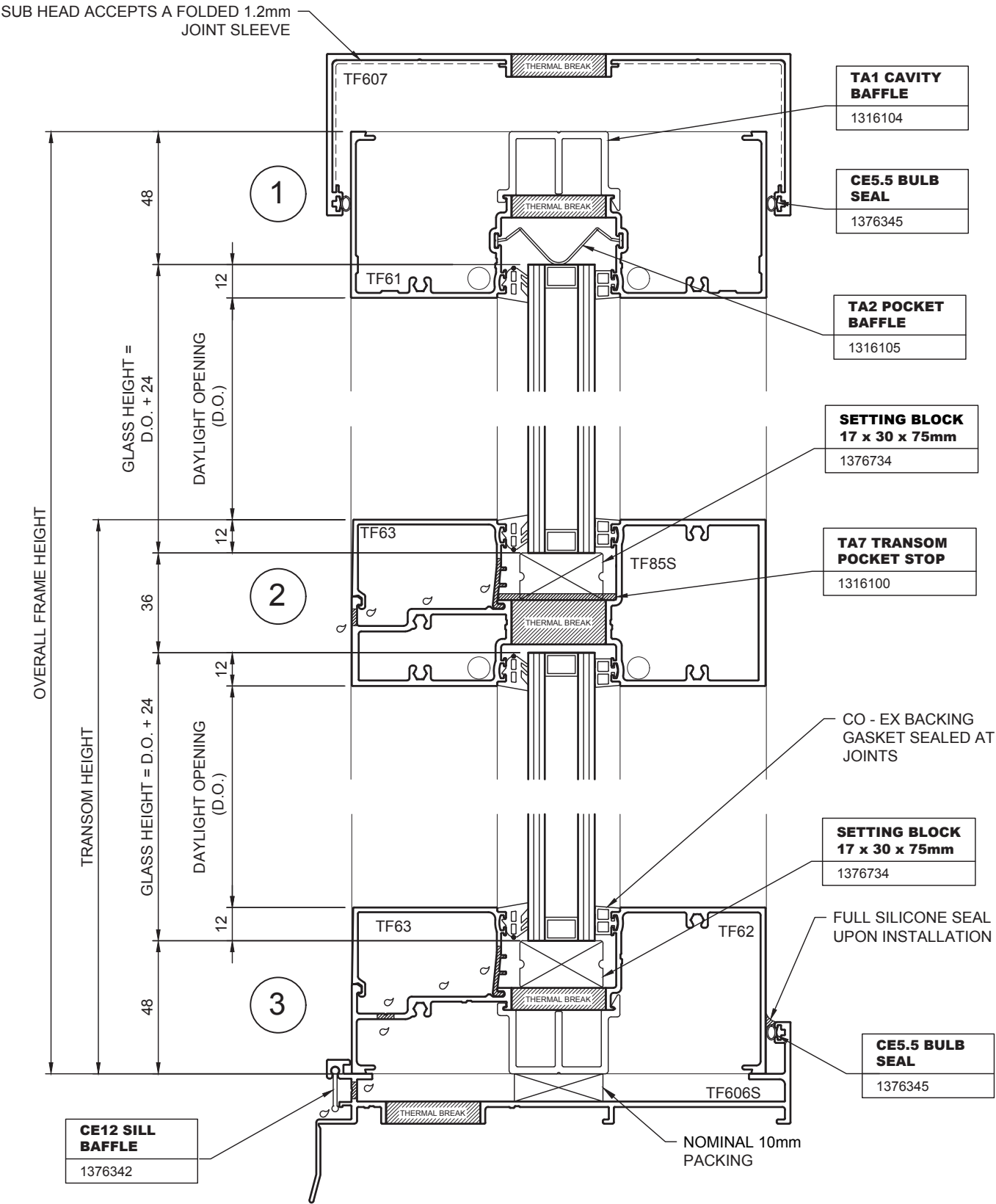
TA20 150mm ThermaFrame SUBSILL END CAP x PAIR	
PART	1345562
FINISH	BLACK (034)
QTY	PAIR

7. Typical Elevation



8. Typical Details

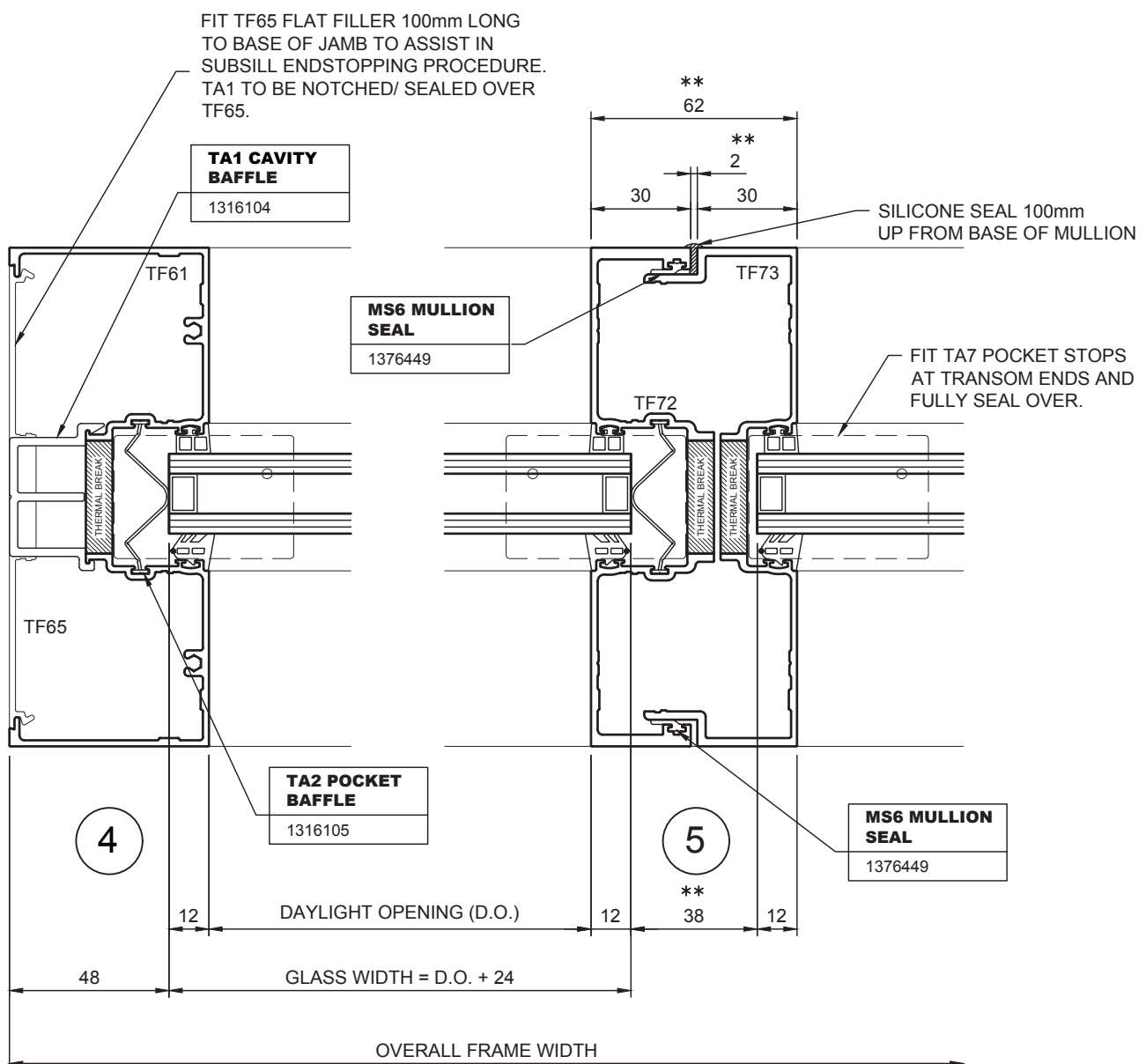
Typical Head, Transom & Sill Details



8. Typical Details

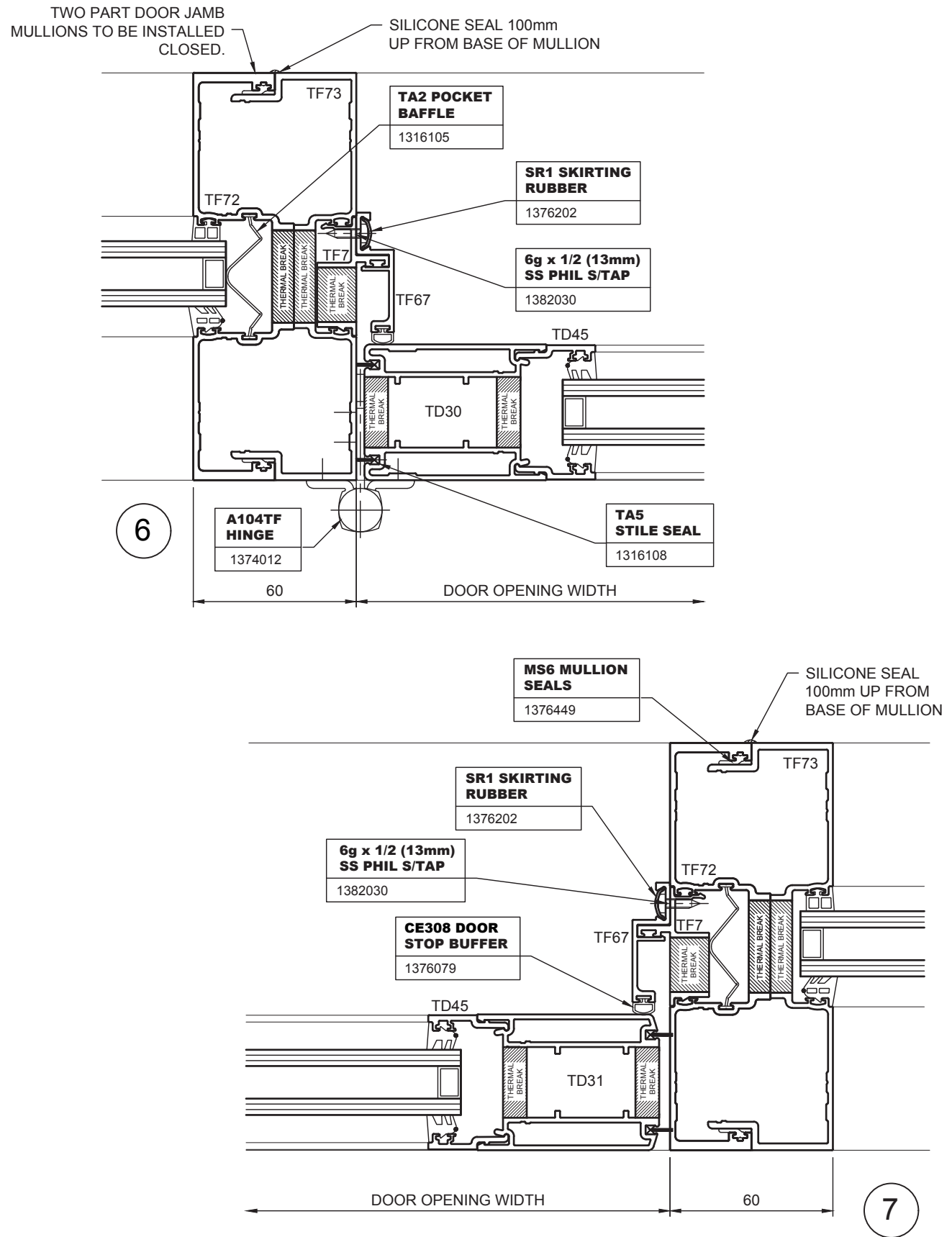
Typical Jamb & Mullion Details

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



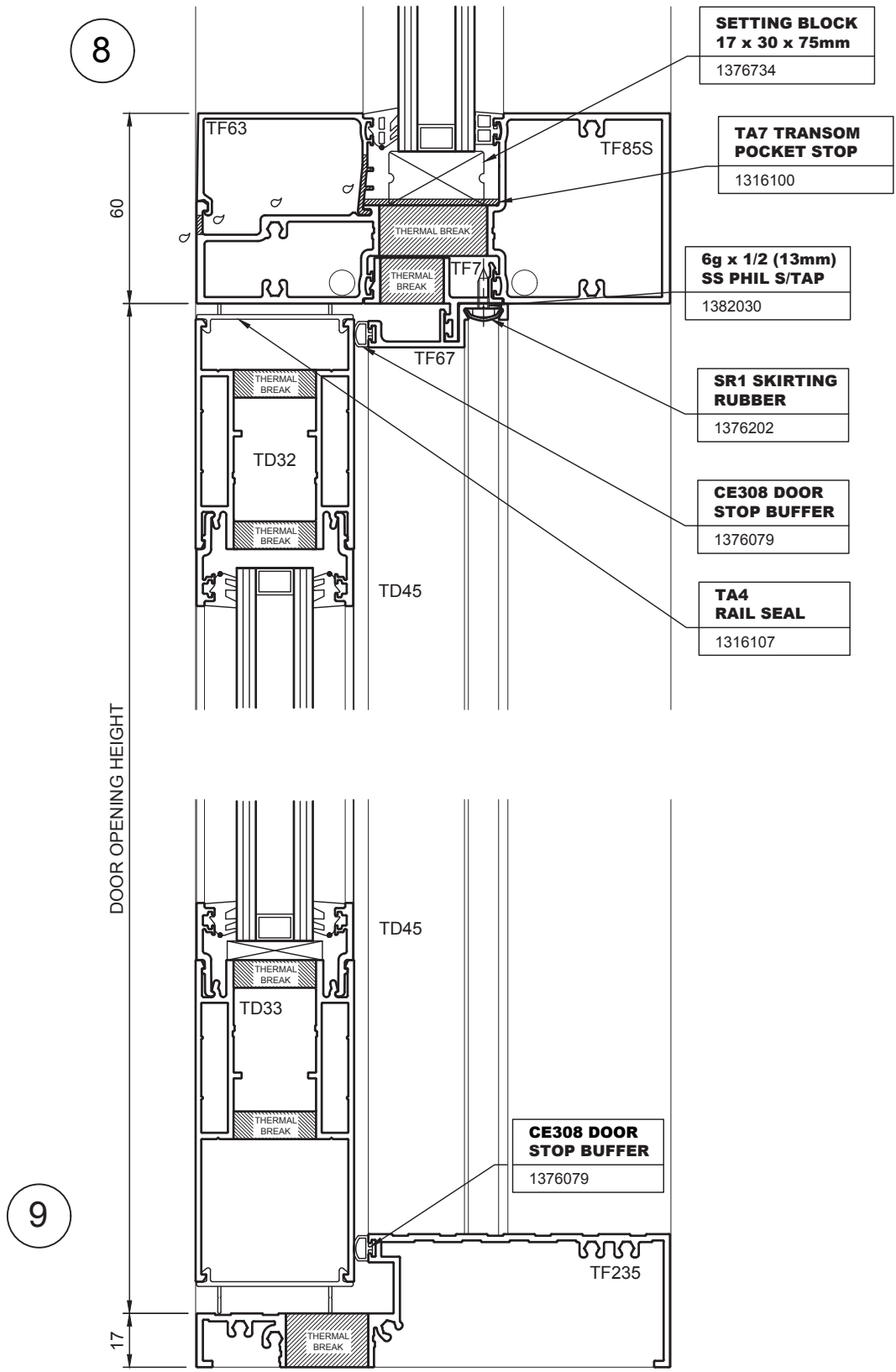
8. Typical Details

Typical Door Jamb Details



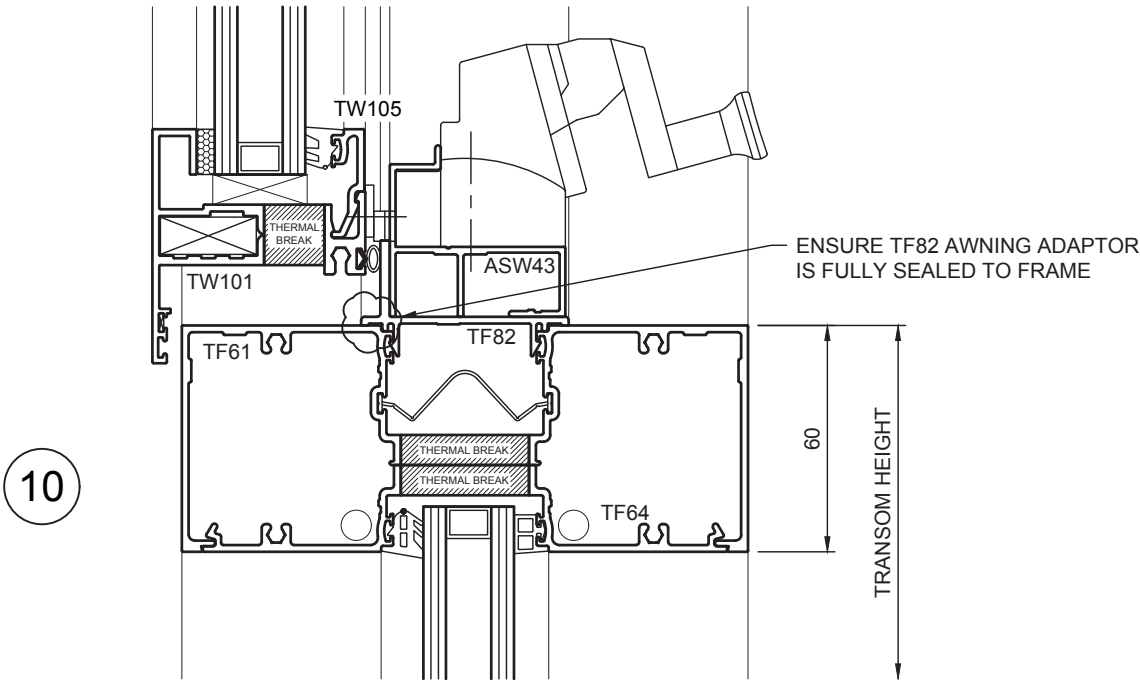
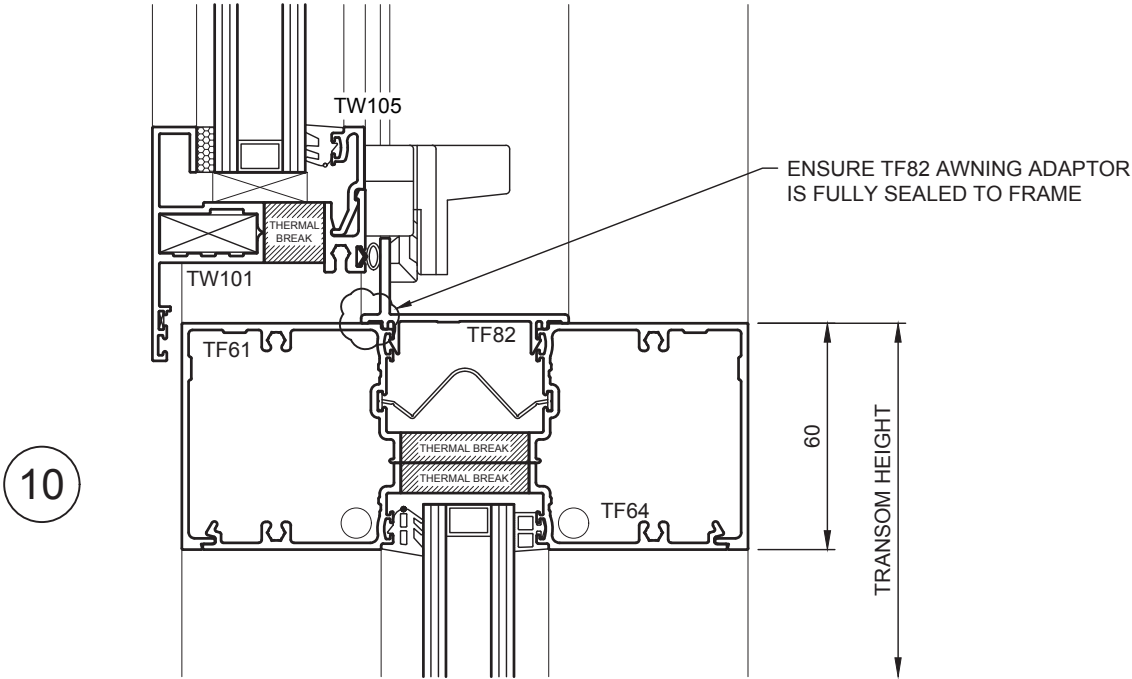
8. Typical Details

Typical Door Head & Threshold Details



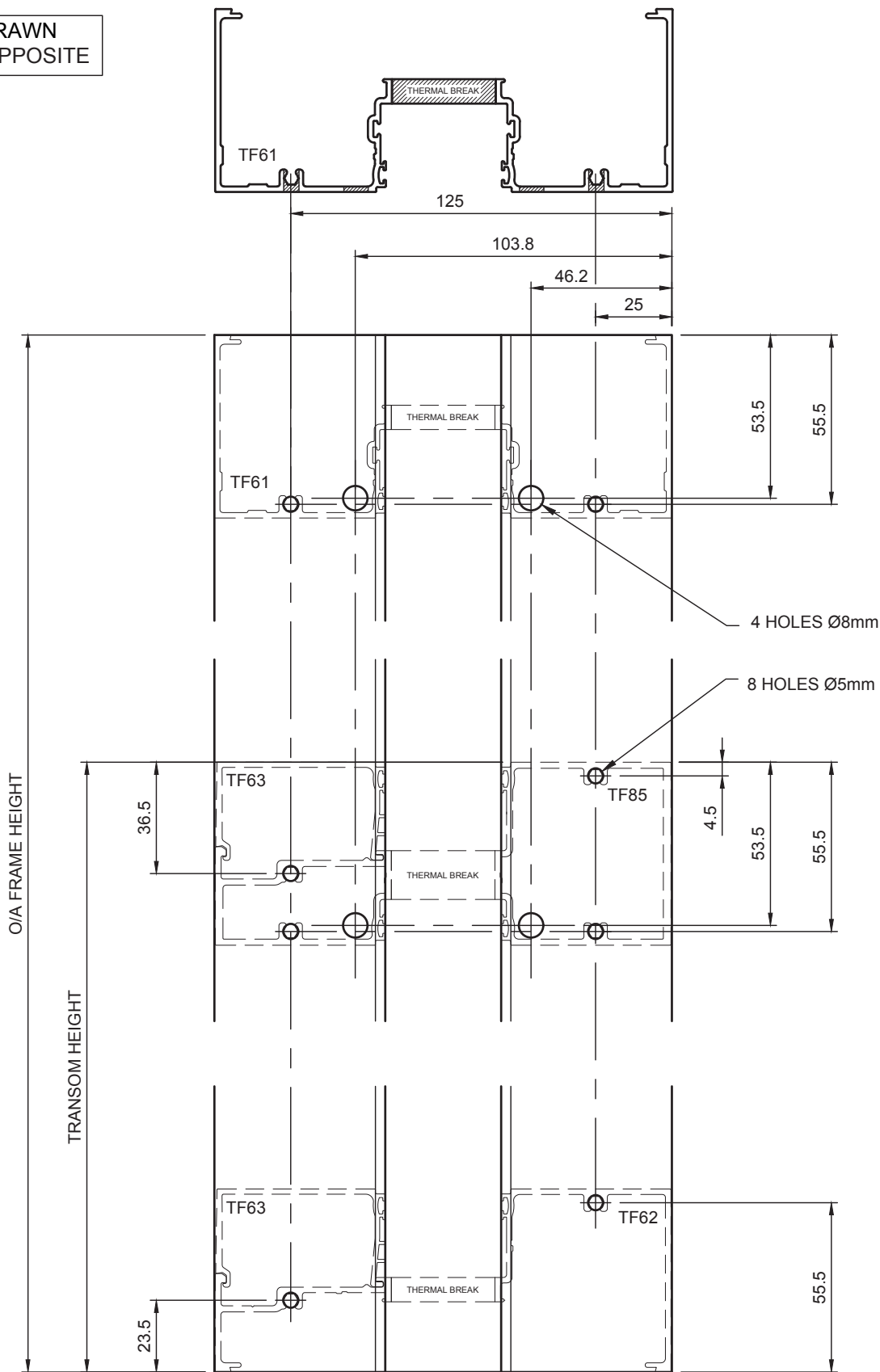
8. Typical Details

Typical Transom Details - Awning



Frame Preparation - Frame / Jamb

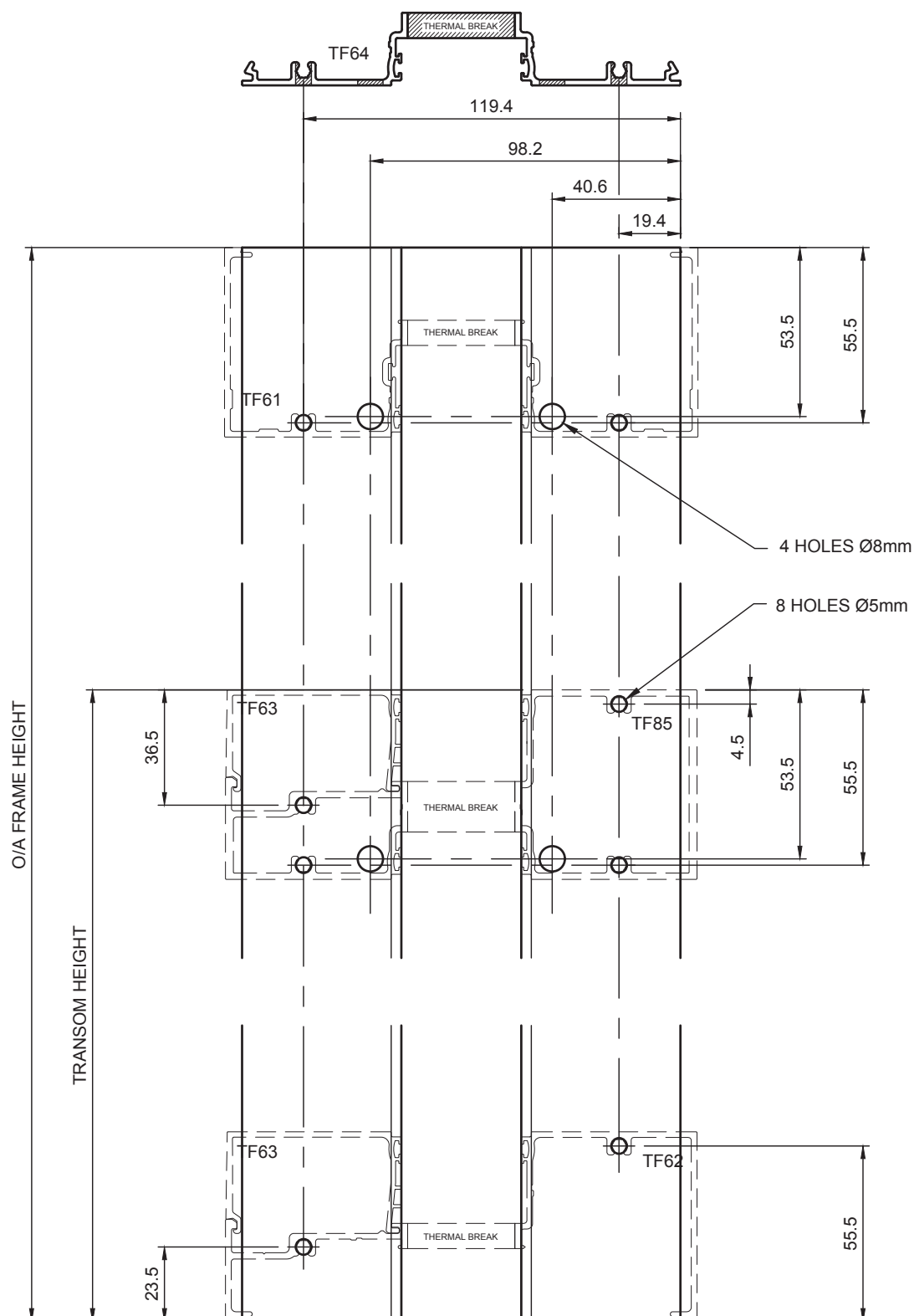
L.H. DRAWN
R.H. OPPOSITE



10. Manufacturing Details

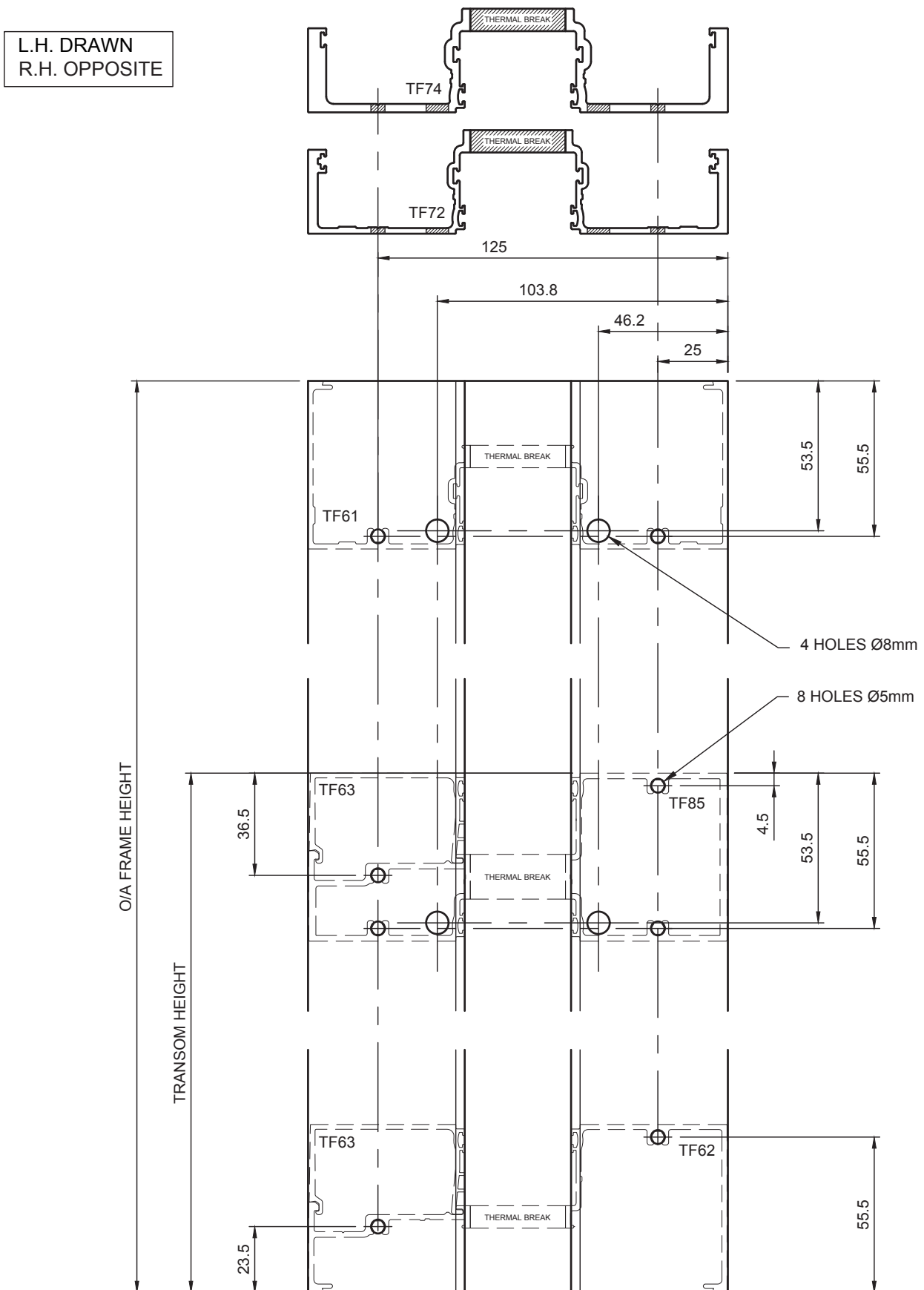
Frame Preparation - Glazing Adaptor

L.H. DRAWN
R.H. OPPOSITE



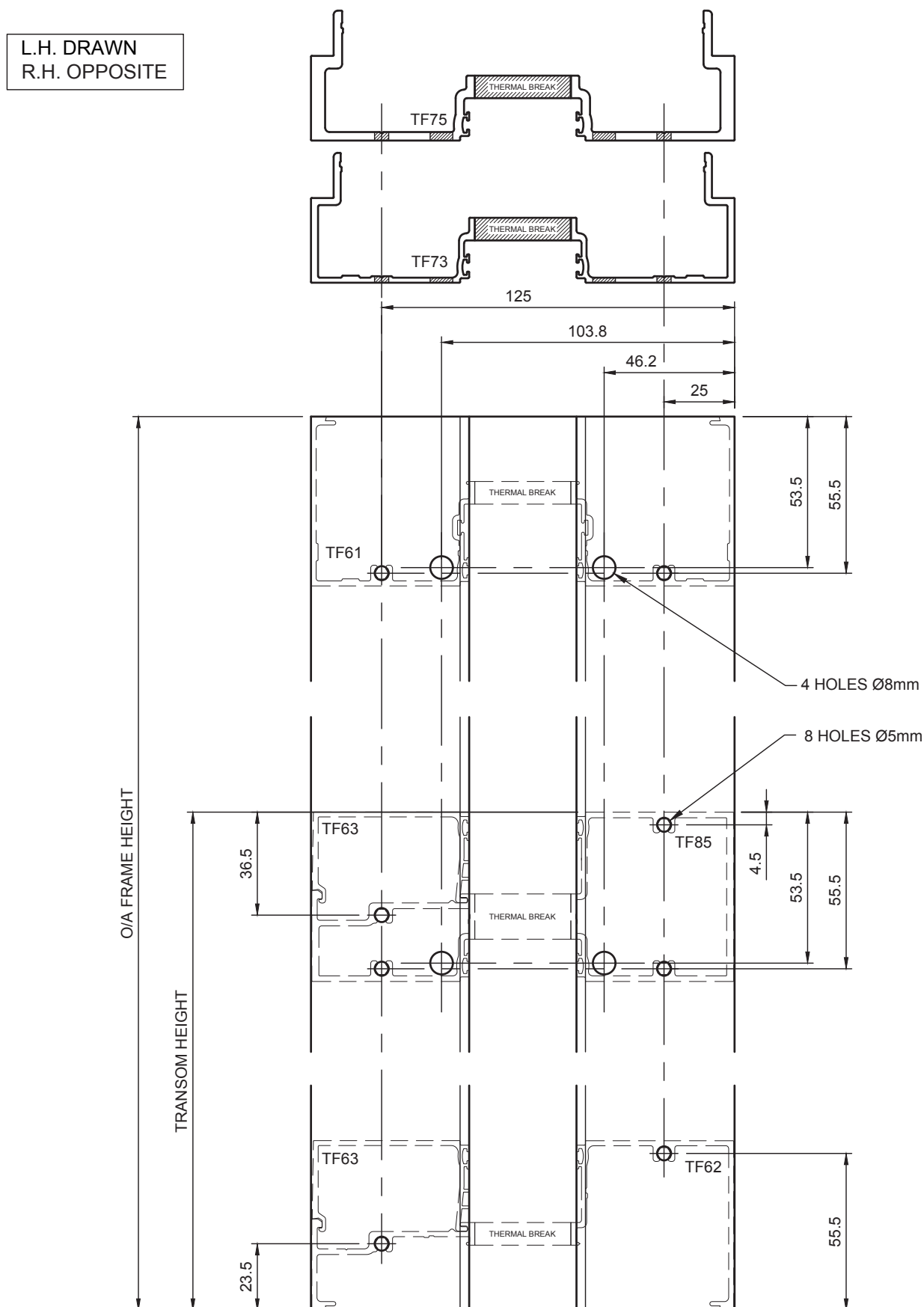
10. Manufacturing Details

Frame Preparation - Deep Pocket Mullion



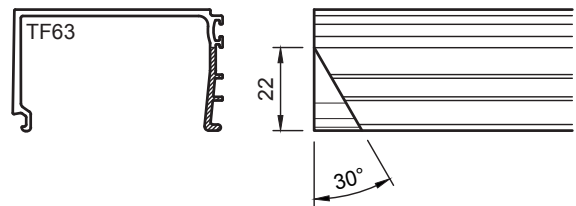
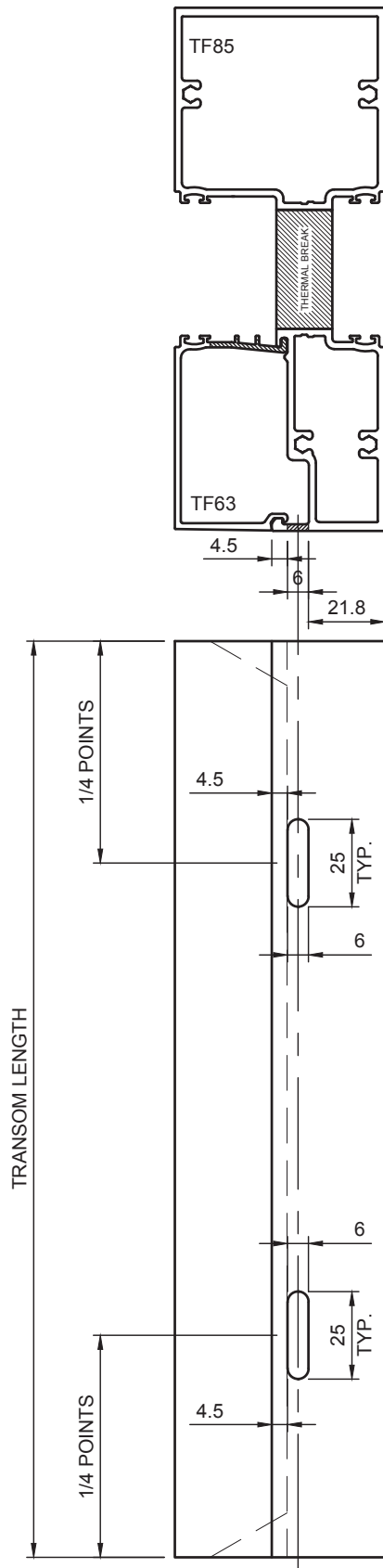
10. Manufacturing Details

Frame Preparation - Shallow Pocket Mullions



10. Manufacturing Details

Frame Preparation - Transom Drainage



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

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

11. Assembly Details

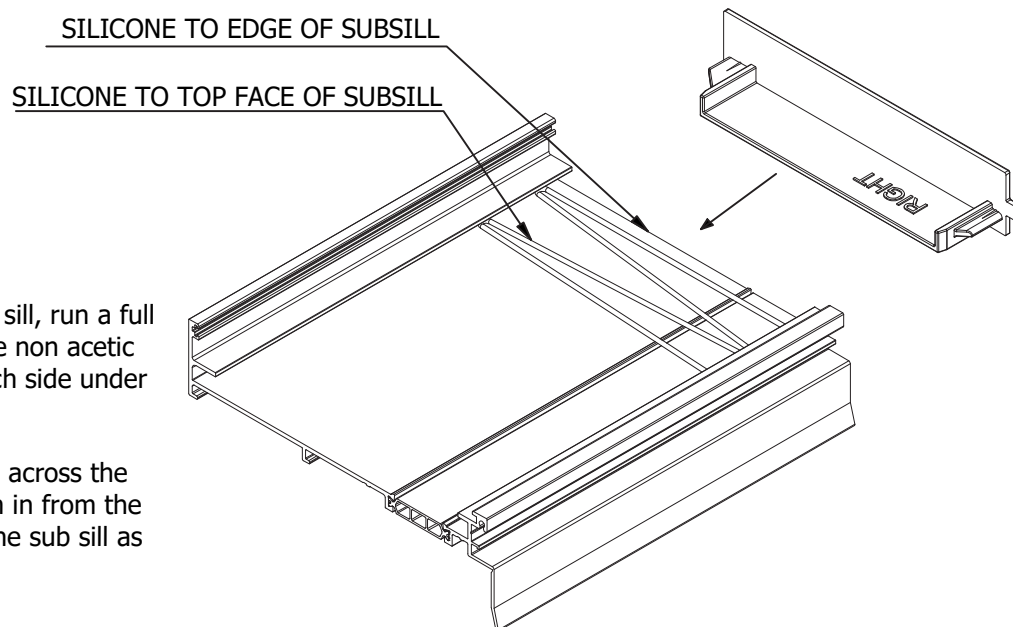
Sub Sill with End Cap

TA20 150mm ThermaFrame Sub Sill End Cap is a purpose designed component reducing labour time required for the installation and sealing of TF606S & TF626S Sub Sill.

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

TA20 150mm 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.

TA20 is available as a set with 1 left and 1 right end.



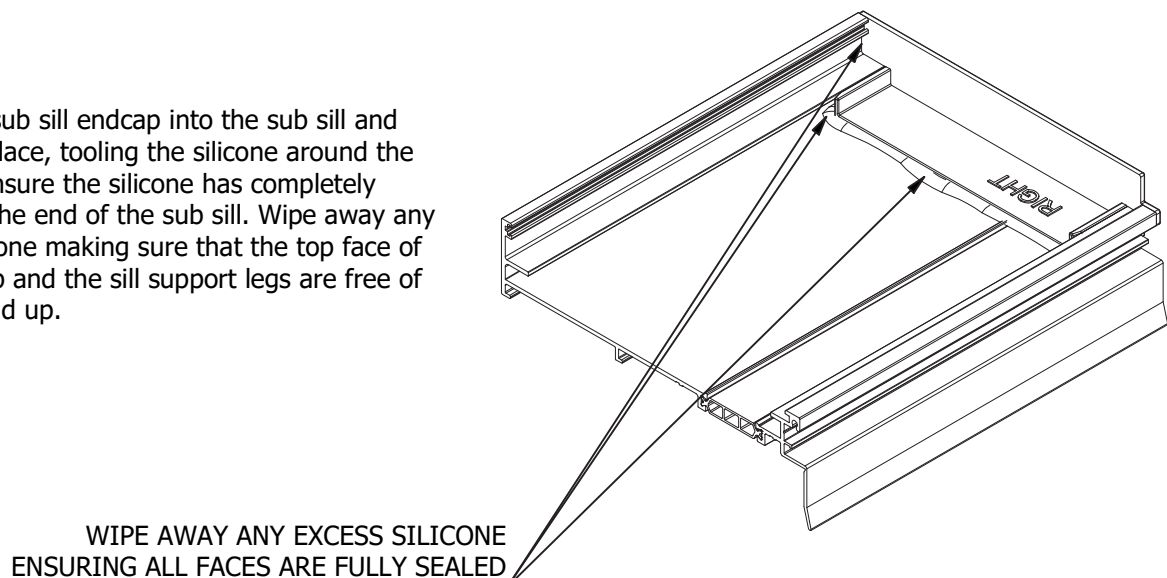
Step 1

Starting from the end of the sub sill, run a full bead of silicone (general purpose non acetic neutral cure) 30mm long, on each side under the sill support legs.

Run a close zig zag pattern bead across the bottom face of the sub sill 30mm in from the end. Apply silicone to edges of the sub sill as shown in detail opposite.

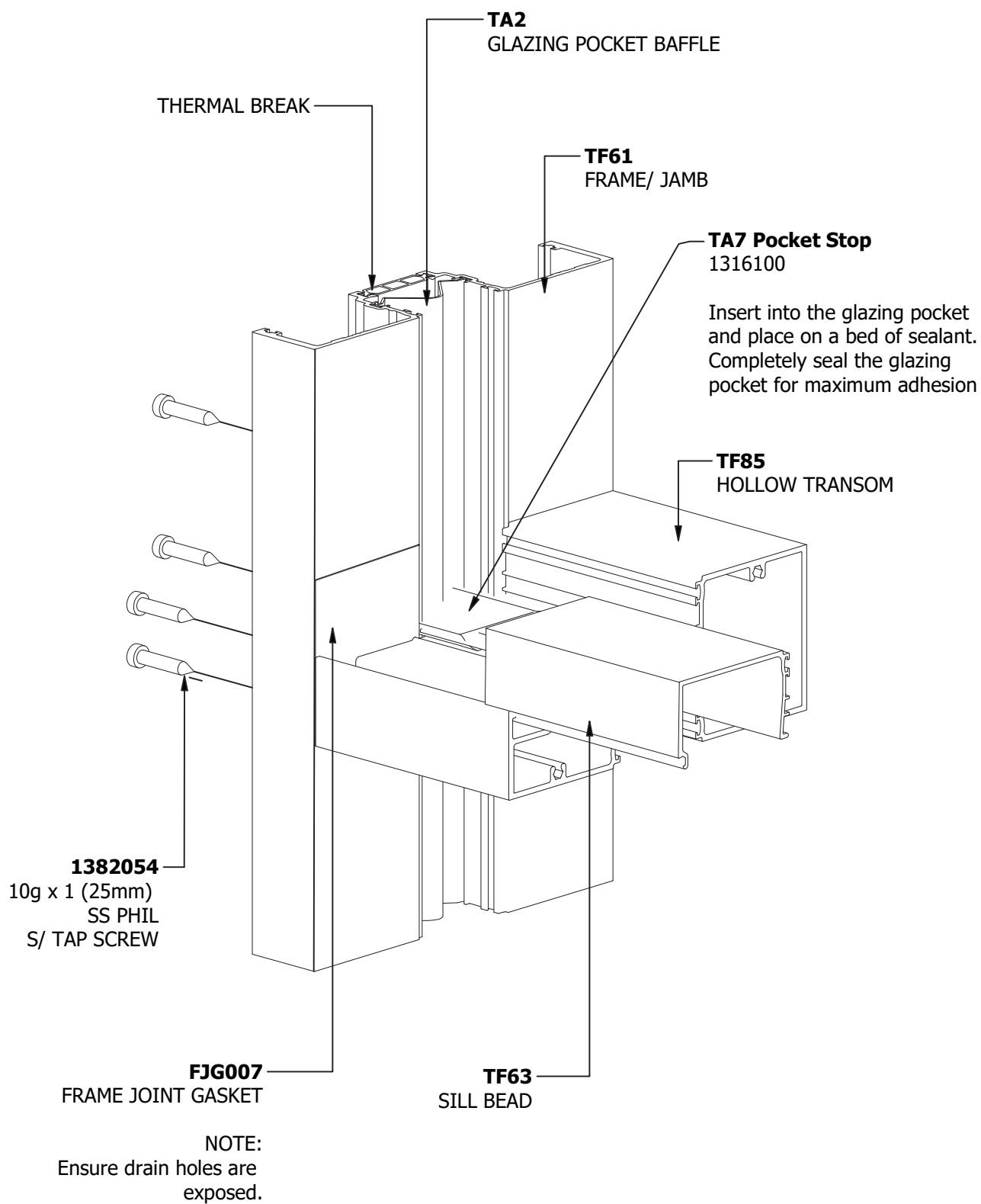
Step 2

Insert the sub sill endcap into the sub sill and push into place, tooling the silicone around the end cap. Ensure the silicone has completely sealed off the end of the sub sill. Wipe away any excess silicone making sure that the top face of the end cap and the sill support legs are free of silicone build up.



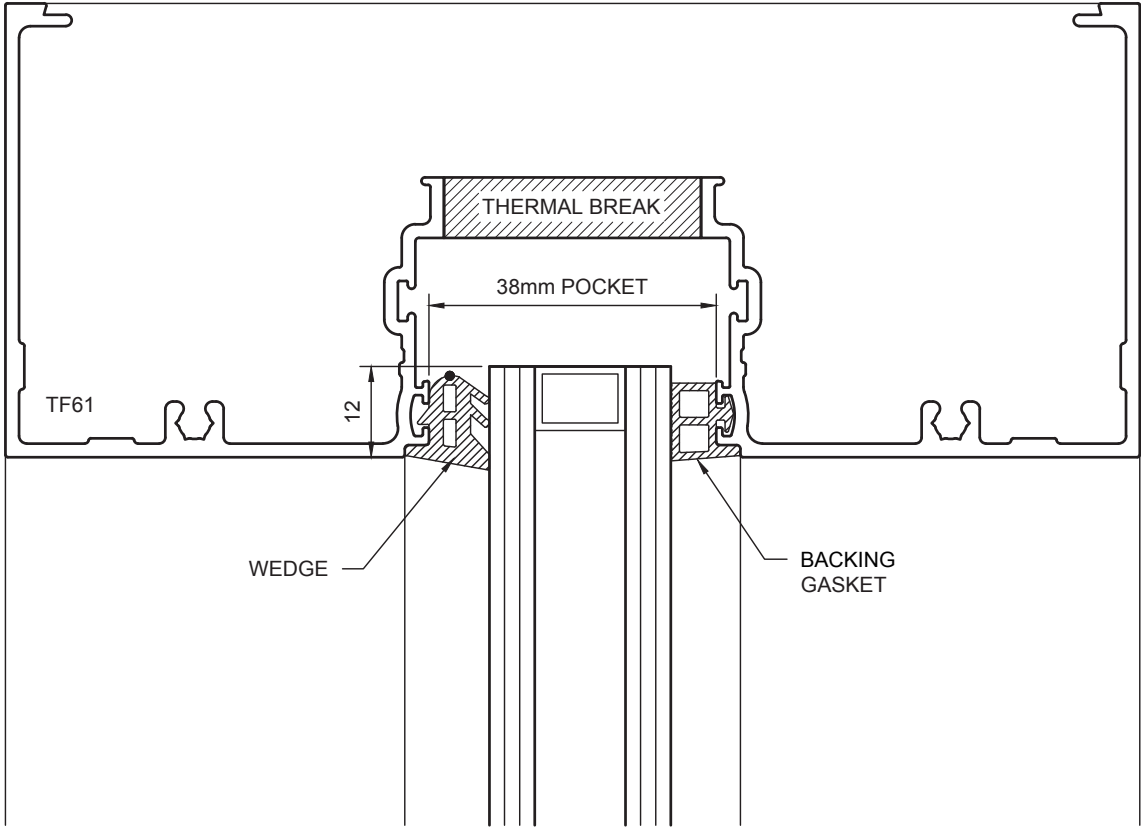
11. Assembly Details

Frame Assembly



12. Glazing Details

Captive Glazing

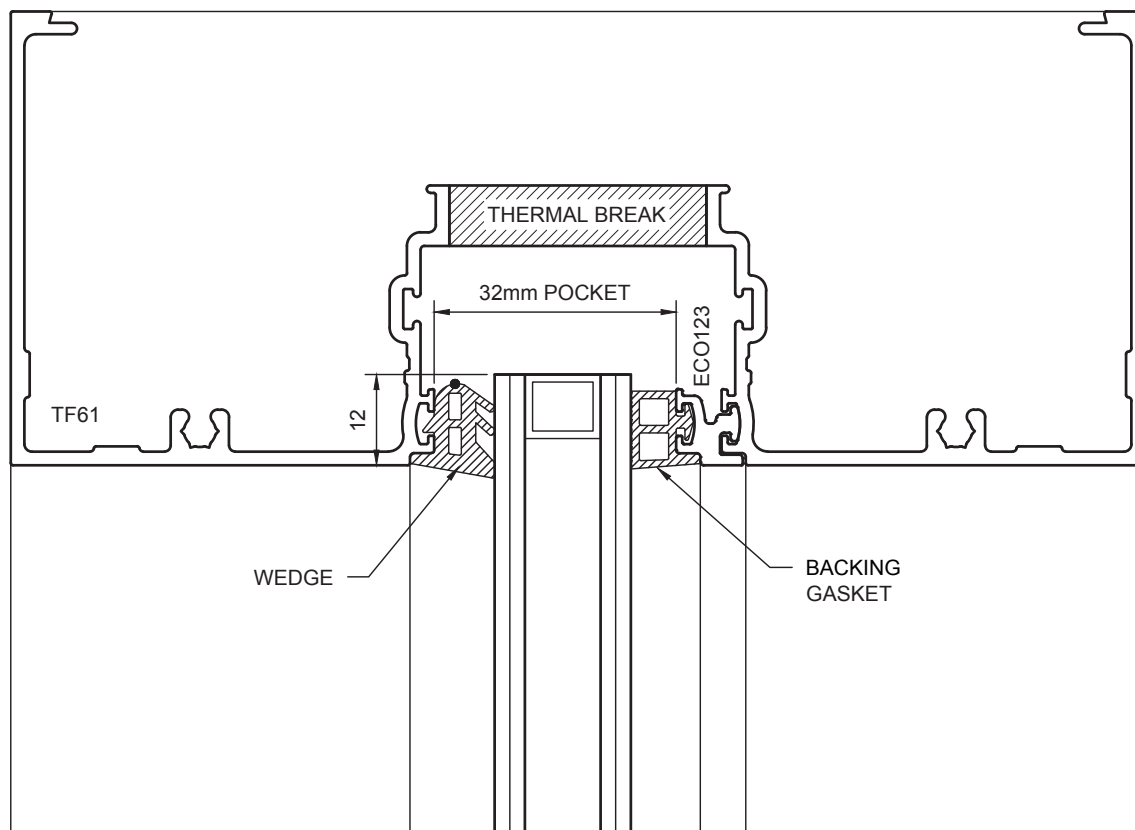


	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
24m	ORANGE	GR48 (8mm)	GR49 (6mm)	CE49 (6mm)
25mm	RED	GR47 (7mm)	GR49 (6mm)	CE49 (6mm)
28mm	YELLOW	GR46 (6mm)	GR37 (4mm)	CE37 (4mm)
30mm	WHITE	GR44 (4mm)	GR37 (4mm)	CE37 (4mm)
32mm	WHITE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

REVERSE GLAZING WEDGE COMBINATIONS FOR INTERNAL GLAZING

12. Glazing Details

ECO123 Glazing Adaptor

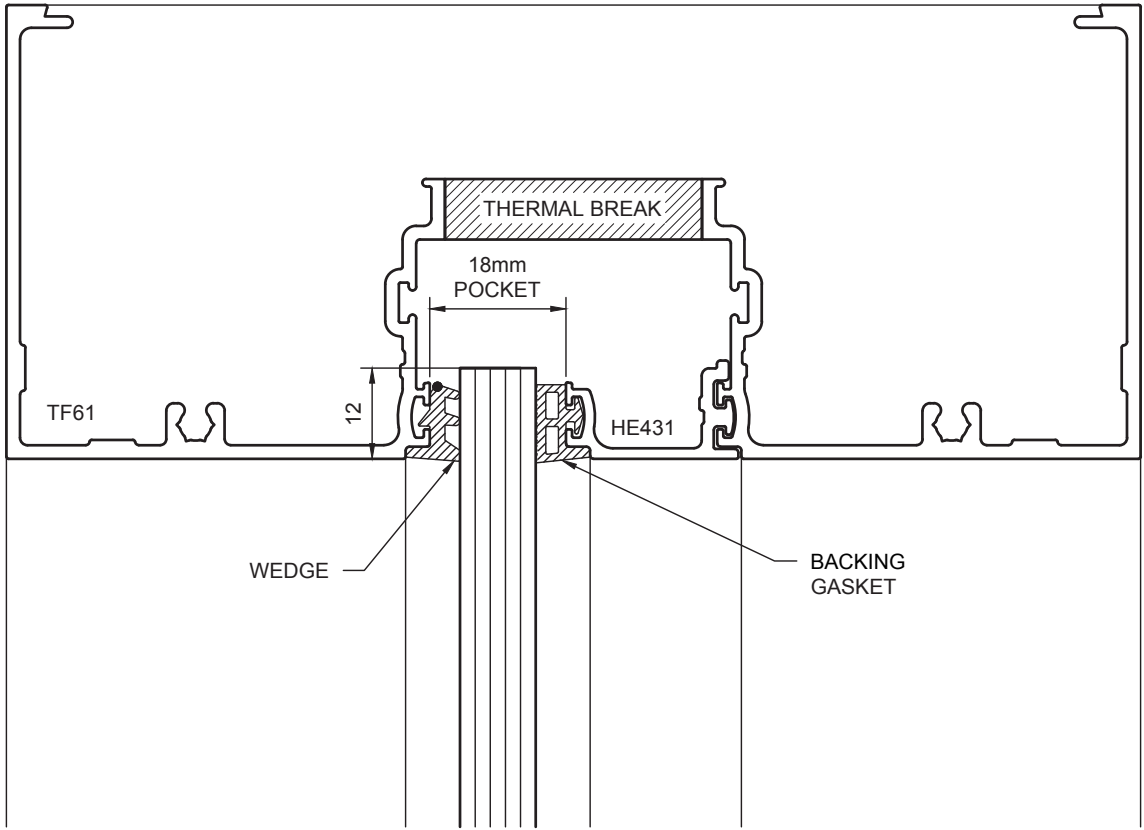


	WEDGE		PUSH IN BACKING GASKET	CO-EXTRUDED BACKING GASKET
GLASS THICKNESS	ID COLOUR	REF. (GAP)	REF. (GAP)	REF. (GAP)
14.52mm	GREEN	GR50 (9mm)	-	CE52S (8.5mm)
16mm	ORANGE	GR48 (8mm)	-	CE52S (8.5mm)
18mm	ORANGE	GR48 (8mm)	GR49 (6mm)	CE49 (6mm)
20mm	YELLOW	GR46 (6mm)	GR49 (6mm)	CE49 (6mm)
22mm	YELLOW	GR46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

13. Care & Maintenance

FRAMING

Your new **ThermAFrame 150mm Centre Pocket Framing** system 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 150mm Centre Pocket Framing** system will retain it's good looks and resist the elements for years to come.

The **ThermAFrame 150mm Centre Pocket Framing** system 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 150mm Centre Pocket Framing** system 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 150mm Centre Pocket Framing** system 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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