



THERMAFRAME
THERMALLY BROKEN WINDOW AND DOOR SYSTEMS

ThermAFrame 50mm Commercial Door

Technical Manual
January 2025 / ISSUE E

alspec[®]
EVERYTHING ALUMINIUM
& HARDWARE

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1. Technical Manual Release Notes

This page is intended to record all changes to the **THERMAFRAME 50mm COMMERCIAL DOOR** technical manual pages.

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

ISSUE	DATE	Amendment Description	Refer to Tech Memo #
A	09/2016	Technical manual initial release	
B	04/2020	Technical manual update & re-release	353
C	06/2020	Loading tables amended	382
D	05/2021	Added TA34 &TA35, added H+B & Verta Door Lock Kits, added 55mm & 60mm Backset Locks and updated Manufacturing Details	450
E	11/2023	Added OT23-164 Test Summary to page 4.2	573

2. Technical Specifications

ALUMINIUM

Aluminium frames should be manufactured using Alspec's **THERMAFRAME 50mm COMMERCIAL DOOR** system

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

HINGED AND PIVOT DOORS

- Max Height is 3000mm.
- Max Width is 1200mm.

SLIDING DOORS

- Max Height is 2500mm.
- Max Width is 2700mm.

(Note: The above sizes are dependent on the bottom or top hung track system being specified and able to support the door weight).

GLAZING

- Minimum glass thickness is 20mm
- Maximum glass thickness is 32mm
- Glazing wedges shall be Alspec's wedges to suit standard & captive glazing options, refer glazing pages 12.1 and 12.2.

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 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 50mm COMMERCIAL DOOR system should seek certification by a consultant structural engineer as to the 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 for various wind loads and frame sizes.

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

Framing must be checked for suitability.

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

Step 1: Locate the height

Step 2: Locate the width

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

SECTION PART NO.	Panel Height	Maximum Design Pressure (Pa)					
	2850	S	1040	840	720	630	570
		U	2410	1960	1660	1460	1310
	2700	S	1230	1000	850	750	680
		U	2700	2190	1870	1640	1480
	2550	S	1460	1200	1020	910	830
		U	3040	2470	2210	1860	1690
	2400	S	1770	1450	1250	1080	1010
		U	3440	2810	2410	2100	1940
	2250	S	2160	1780	1530	1370	1270
		U	3940	3230	2780	2470	2270
	2100	S	2670	2210	1920	1730	1610
		U	4550	3750	3240	2900	2680
lxx = xxx x xxx mm4	Panel Width	800	1000	1200	1400	1600	

STEP 1

→

2400

STEP 2

↑

1000

STEP 3

←

1450

Tables are based on theoretical section properties

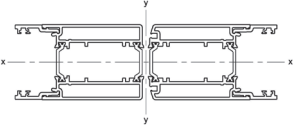
3. Loading Tables

TD45/ TD42/ TD31/ TD45 Hinged Meeting Stiles

Max Stress = 110Mpa

S = Serviceability limit state l/100

U = Ultimate limit state

TD45/ TD42/ TD31/ TD45 HINGED MEETING STILES	Panel Height	Maximum Design Pressure (Pa)							
	3000	S	1180	1110	1050	1000	960	920	880
		U	2320	2190	2080	1980	1880	1800	1730
	3900	S	1310	1230	1170	1110	1060	1020	980
		U	2490	2350	2230	2120	2020	1930	1850
	2800	S	1460	1380	1300	1240	1190	1140	1090
		U	2680	2530	2400	2280	2180	2080	2000
	2700	S	1630	1540	1460	1390	1330	1270	1220
		U	2890	2730	2590	2460	2350	2250	2160
	2600	S	1830	1730	1640	1560	1490	1430	1380
		U	3120	2950	2800	2660	2540	2430	2340
	2500	S	2060	1950	1860	1770	1690	1620	1560
		U	3380	3200	3040	2890	2760	2640	2540
	2400	S	2340	2220	2110	2010	1920	1840	1770
		U	3680	3480	3310	3150	3010	2890	2770
	2300	S	2670	2530	2410	2300	2200	2110	2030
		U	4030	3810	3620	3450	3300	3160	3040
	2200	S	3000	2910	2770	2640	2530	2430	2340
		U	4420	4180	3970	3790	3630	3480	3350
	2100	S	3000	3000	3000	3000	2940	2820	2720
		U	4870	4610	4390	4190	4010	3850	3710
$I_{xx} = 465 \times 10^3 \text{ mm}^4$	Panel Width		800	850	900	950	1000	1050	1100

Tables are based on theoretical section properties

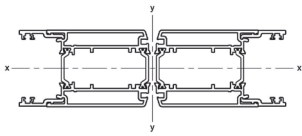
3. Loading Tables

TD45/ TD31/ TD31/ TD45 Pivot Meeting Stiles

Max Stress = 110Mpa

S = Serviceability limit state l/100

U = Ultimate limit state

TD45/ TD31/ TD31/ TD45 PIVOT MEETING STILES	Panel Height	Maximum Design Pressure (Pa)							
	3000	S	1180	1110	1050	1000	960	920	880
		U	2320	2190	2080	1980	1880	1800	1730
	3900	S	1310	1230	1170	1110	1060	1020	980
		U	2490	2350	2230	2120	2020	1930	1850
	2800	S	1460	1380	1300	1240	1190	1140	1090
		U	2680	2530	2400	2280	2180	2080	2000
	2700	S	1630	1540	1460	1390	1330	1270	1220
		U	2890	2730	2590	2460	2350	2250	2160
	2600	S	1830	1730	1640	1560	1490	1430	1380
		U	3120	2950	2800	2660	2540	2430	2340
	2500	S	2060	1950	1860	1770	1690	1620	1560
		U	3380	3200	3040	2890	2760	2640	2540
	2400	S	2340	2220	2110	2010	1920	1840	1770
		U	3680	3480	3310	3150	3010	2890	2770
	2300	S	2670	2530	2410	2300	2200	2110	2030
		U	4030	3810	3620	3450	3300	3160	3040
	2200	S	3000	2910	2770	2640	2530	2430	2340
		U	4420	4180	3970	3790	3630	3480	3350
	2100	S	3000	3000	3000	3000	2940	2820	2720
		U	4870	4610	4390	4190	4010	3850	3710
$I_{xx} = 460 \times 10^3 \text{ mm}^4$	Panel Width		800	850	900	950	1000	1050	1100

Tables are based on theoretical section properties

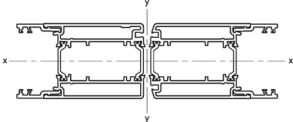
3. Loading Tables

TD45/ TD48/ TD31/ TD45 Hinged Meeting Stiles

Max Stress = 110Mpa

S = Serviceability limit state l/100

U = Ultimate limit state

TD45/ TD48/ TD31/ TD45 HINGED MEETING STILES	Panel Height	Maximum Design Pressure (Pa)						
	3000	S	1200	1140	1080	1020	980	930
		U	2370	2240	2120	2020	1920	1840
	3900	S	1330	1260	1200	1140	1090	1040
		U	2540	2400	2280	2170	2070	1970
	2800	S	1490	1410	1330	1270	1210	1160
		U	2740	2580	2450	2330	2220	2130
	2700	S	1660	1570	1490	1420	1360	1300
		U	2950	2790	2640	2510	2400	2300
	2600	S	1870	1770	1680	1600	1530	1460
		U	3190	3010	2860	2720	2600	2490
	2500	S	2110	2000	1900	1810	1730	1660
		U	3460	3270	3100	2950	2820	2700
	2400	S	2390	2270	2150	2050	1960	1880
		U	3760	3560	3380	3220	3080	2950
	2300	S	2730	2590	2460	2350	2250	2160
		U	4110	3890	3700	3520	3370	3230
	2200	S	3000	2970	2830	2700	2590	2480
		U	4510	4270	4060	3870	3710	3560
	2100	S	3000	3000	3000	3000	3000	2880
		U	4980	4710	4480	4280	4100	3930
I_{xx} = 475 x 10³ mm⁴	Panel Width		800	850	900	950	1000	1050
							1100	

Tables are based on theoretical section properties

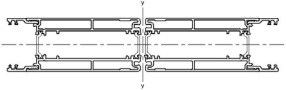
3. Loading Tables

TD45/ TD34/ TD34/ TD45 Hinged Wide Meeting Stiles

Max Stress = 110Mpa

S = Serviceability limit state l/100

U = Ultimate limit state

TD45/ TD34/ TD34/ TD45 HINGED MEETING STILES	Panel Height	Maximum Design Pressure (Pa)							
	3000	S	1830	1730	1640	1560	1490	1430	1370
		U	3620	3410	3230	3070	2930	2800	2690
	3900	S	2030	1920	1820	1730	1660	1580	1520
		U	3880	3660	3470	3300	3150	3010	2880
	2800	S	2270	2140	2030	1930	1850	1770	1700
		U	4170	3930	3730	3550	3380	3240	3110
	2700	S	2530	2400	2270	2160	2070	1980	1900
		U	4490	4240	4020	3830	3650	3500	3350
	2600	S	2850	2690	2560	2430	2330	2230	2140
		U	4850	4590	4350	4140	3950	3790	3630
	2500	S	3000	3000	2890	2750	2630	2520	2420
		U	5000	4980	4720	4500	4300	4110	3950
	2400	S	3000	3000	3000	3000	2990	2870	2760
		U	5000	5000	5000	4900	4680	4490	4310
	2300	S	3000	3000	3000	3000	3000	3000	3000
		U	5000	5000	5000	5000	5000	4920	4730
	2200	S	3000	3000	3000	3000	3000	3000	3000
		U	5000	5000	5000	5000	5000	5000	5000
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	5000	5000	5000	5000	5000	5000	5000
$I_{xx} = 723 \times 10^3 \text{ mm}^4$	Panel Width		800	850	900	950	1000	1050	1100

Tables are based on theoretical section properties

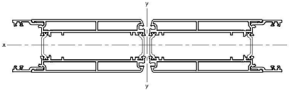
3. Loading Tables

TD45/ TD35/ TD35/ TD45 Pivot Wide Meeting Stiles

Max Stress = 110Mpa

S = Serviceability limit state I/100

U = Ultimate limit state

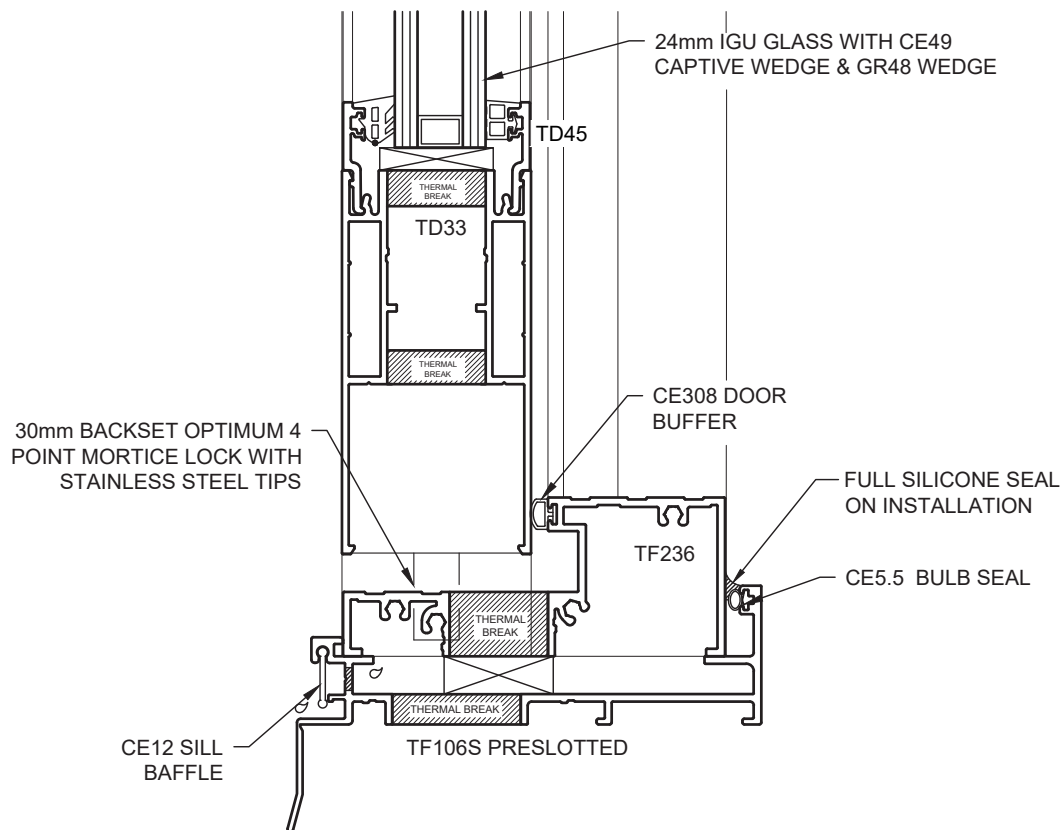
TD45/ TD35/ TD35/ TD45 HINGED MEETING STILES	Panel Height	Maximum Design Pressure (Pa)							
	3000	S	1760	1660	1570	1500	1430	1360	1310
		U	3460	3270	3100	2940	2810	2680	2570
	3900	S	1950	1840	1750	1660	1590	1520	1460
		U	3710	3500	3320	3160	3010	2880	2760
	2800	S	2170	2050	1950	1850	1770	1690	1620
		U	3990	3770	3570	3400	3240	3100	2970
	2700	S	2430	2290	2180	2070	1980	1900	1820
		U	4300	4060	3850	3670	3500	3350	3210
	2600	S	2730	2580	2450	2330	2230	2130	2050
		U	4650	4390	4170	3970	3790	3630	3480
	2500	S	3000	2910	2760	2640	2520	2420	2320
		U	5000	4770	4520	4310	4110	3940	3780
	2400	S	3000	3000	3000	2990	2860	2750	2640
		U	5000	5000	4930	4690	4490	4300	4130
	2300	S	3000	3000	3000	3000	3000	3000	3000
		U	5000	5000	5000	5000	4910	4710	4530
	2200	S	3000	3000	3000	3000	3000	3000	3000
		U	5000	5000	5000	5000	5000	5000	4990
	2100	S	3000	3000	3000	3000	3000	3000	3000
		U	5000	5000	5000	5000	5000	5000	5000
Ixx = 723 x 10³ mm⁴	Panel Width		800	850	900	950	1000	1050	1100

Tables are based on theoretical section properties

4. Test Summary

AS2047 - Door/ Fixed

TEST REPORT:	AS15.278
SYSTEM CONFIGURATION	THERMAFRAME CENTRE POCKET 100 WITH DOOR/ FIXED
TEST SAMPLE SIZE	2.4 (H) x 2.3 (W)
SERVICEABILITY LOAD	+/- 1.4 kPa
ULTIMATE LOAD	+/- 3 kPa
AIR INFILTRATION @ 75Pa	+ 0.18 L/s/ms ² - 0.70 L/s/ms ²
OPERATING FORCE TEST INITIATING MOVEMENT SUSTAINING MOVEMENT	5.7 N / 4.9 N 6.5 N / 8.3 N

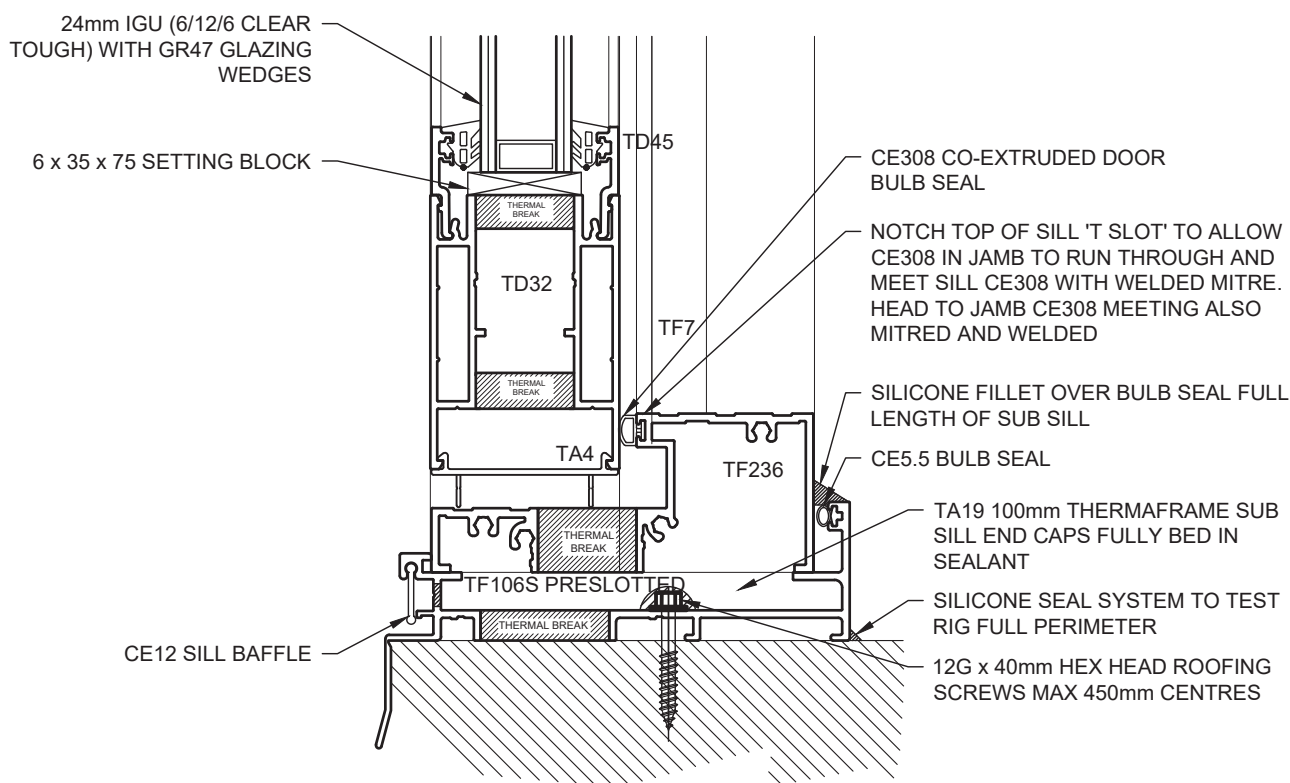


DISCLAIMER:
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.

4. Test Summary

AS2047 - Door

TEST REPORT:	OT23-164
SYSTEM CONFIGURATION	THERMAFRAME CENTRE POCKET 100 WITH DOOR
TEST SAMPLE SIZE	2.455 (H) x 1.217 (W)
SERVICEABILITY LOAD	+/- 1.5 kPa
ULTIMATE LOAD	+/- 4.002 kPa
WATER PENETRATION	450 Pa
AIR INFILTRATION @ 75Pa	+ 0.20 L/s/ms ² - 0.31 L/s/ms ²
OPERATING FORCE TEST	
INITIATING MOVEMENT	3.6 N / 3.5 N
SUSTAINING MOVEMENT	6.8 N / 8.6 N



DISCLAIMER:

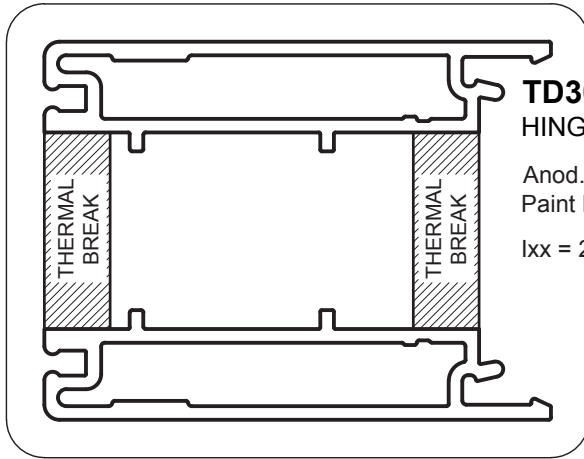
Please note that the test results shown above reflect specific configurations of a system and are representative only. If a specific high wind load or a different configuration (i.e. changes to frames, transoms, mullions) is required on a project please discuss with Alspec prior to commencement.

4. Test Summary

Acoustic - AS/NZS ISO 717.1

TEST REPORT	PRODUCT DESCRIPTION	SIZE	GLASS	Rw
TL581-06-1	THERMAFRAME 100mm CENTRE GLAZED DOOR/ FIXED	2.1m (H) x 1.8m (W)	10.38/12/6.38mm LAMINATE IGU	36

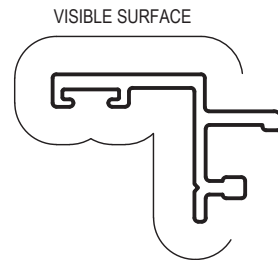
5. Extrusions



TD30
HINGE STILE

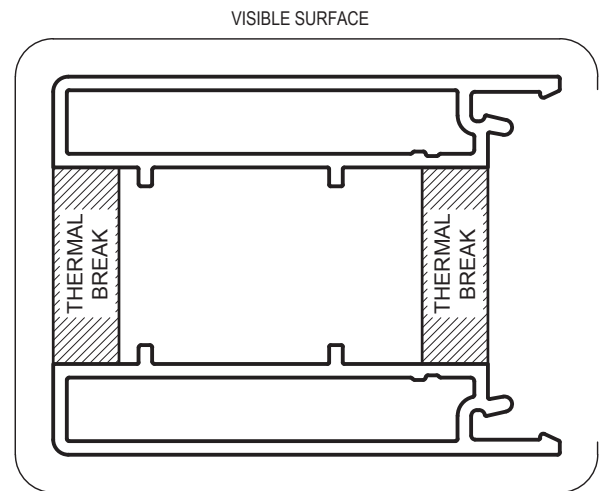
Anod. Per. 442
Paint Per. 222

$I_{xx} = 250.09 \times 10^3 \text{ mm}^4$



TD29
MEETING STILE
ADAPTOR

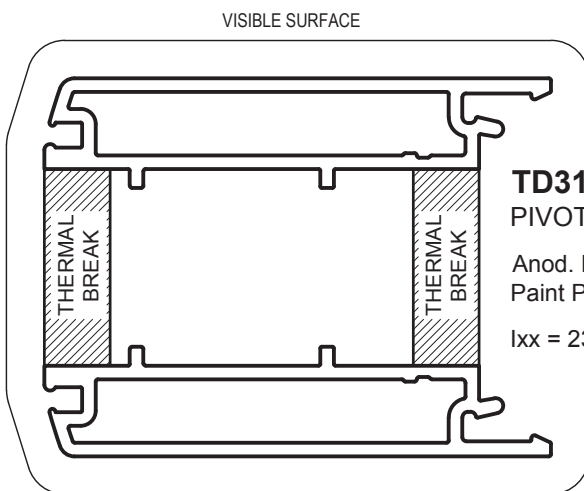
Anod. Per. 124
Paint Per. 100



TD42
PLAIN STILE

Anod. Per. 420
Paint Per. 222

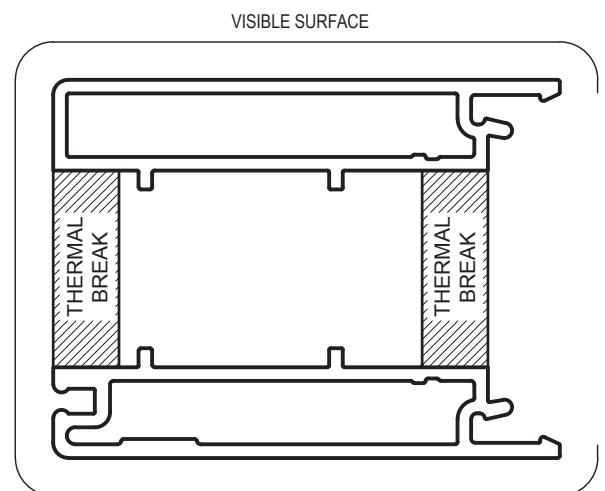
$I_{xx} = 230.62 \times 10^3 \text{ mm}^4$



TD31
PIVOT / LOCK STILE

Anod. Per. 436
Paint Per. 216

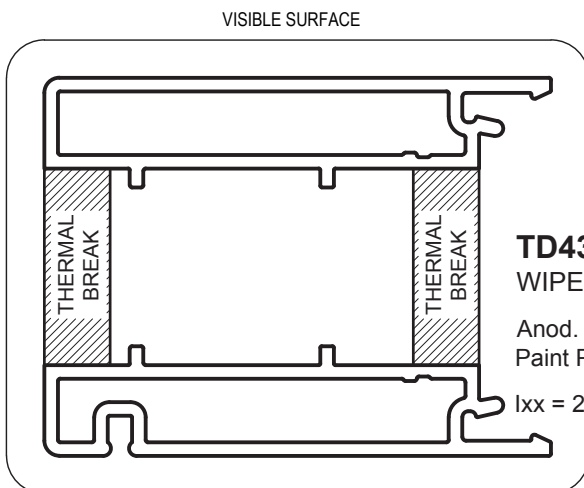
$I_{xx} = 234.84 \times 10^3 \text{ mm}^4$



TD48
MEETING STILE

Anod. Per. 431
Paint Per. 222

$I_{xx} = 240.04 \times 10^3 \text{ mm}^4$

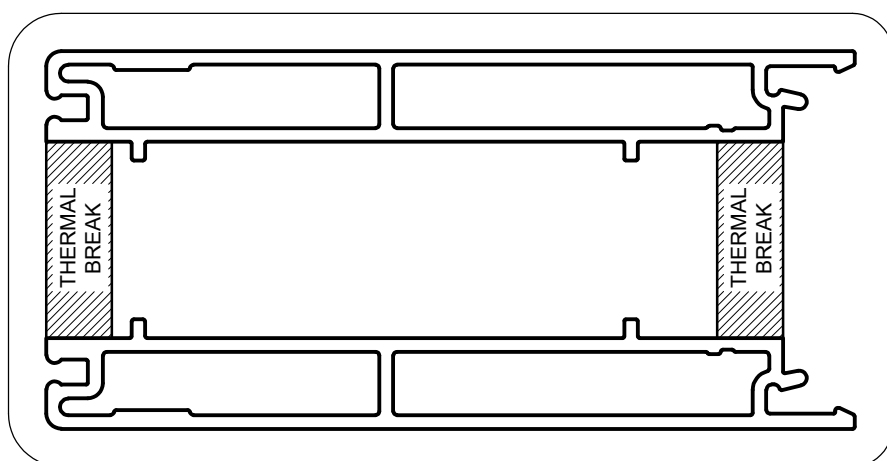


TD43
WIPER STILE

Anod. Per. 431
Paint Per. 222

$I_{xx} = 237.16 \times 10^3 \text{ mm}^4$

5. Extrusions

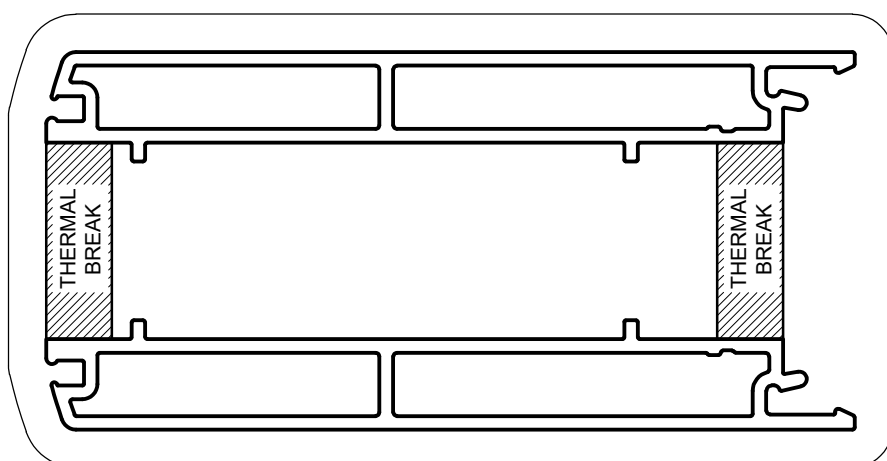


TD34 WIDE HINGE STILE

Anod. Per. 602

Paint Per. 268

$I_{xx} = 361.46 \times 10^3 \text{ mm}^4$



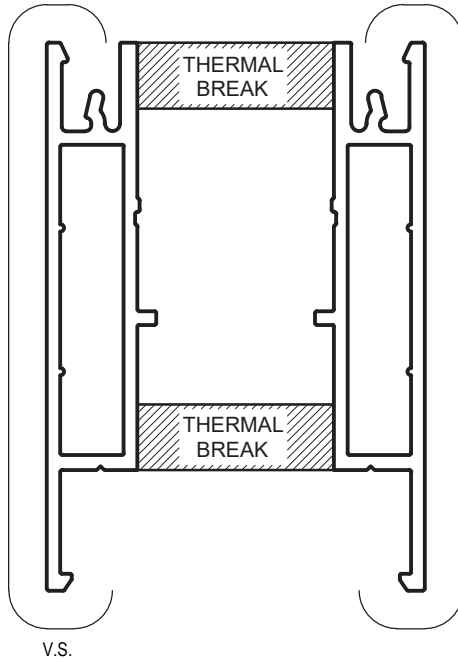
TD35 WIDE PIVOT / LOCK STILE

Anod. Per. 596

Paint Per. 265

$I_{xx} = 346.21 \times 10^3 \text{ mm}^4$

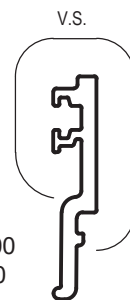
5. Extrusions



TD32 TOP RAIL

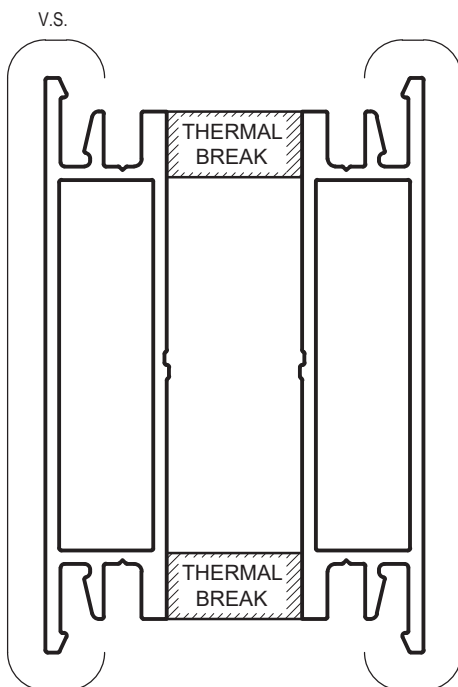
Anod. Per. 482
Paint Per. 164

$I_{xx} = 248.57 \times 10^3 \text{ mm}^4$
 $I_{yy} = 359.16 \times 10^3 \text{ mm}^4$



TD45 BEAD

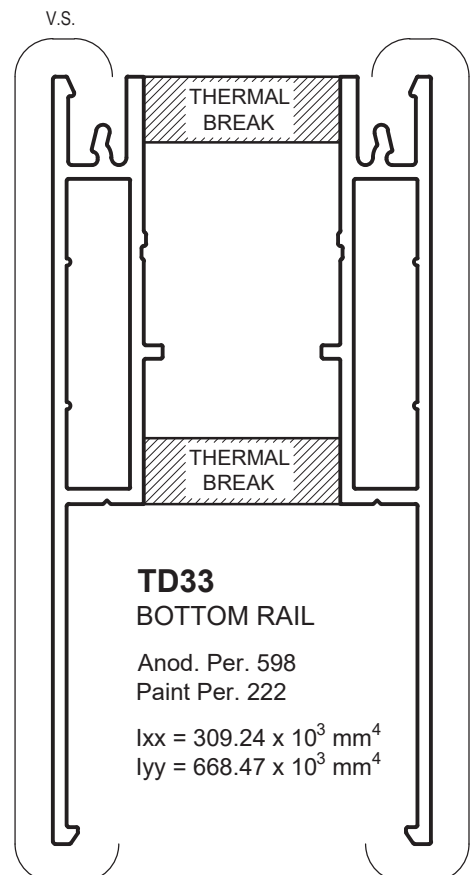
Anod. Per. 100
Paint Per. 100



TD47 110mm MID RAIL

Anod. Per. 532
Paint Per. 172

$I_{xx} = 246.29 \times 10^3 \text{ mm}^4$
 $I_{yy} = 508.63 \times 10^3 \text{ mm}^4$

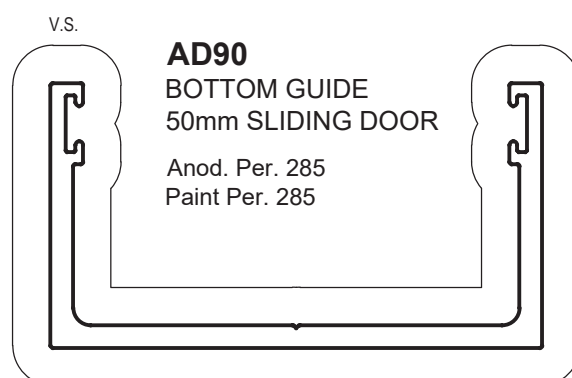
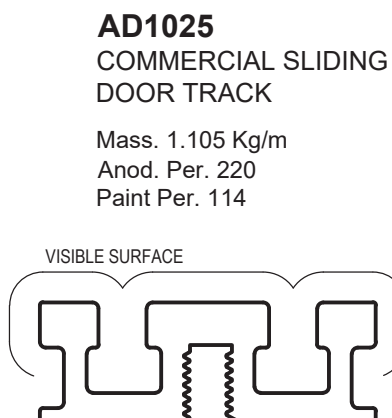
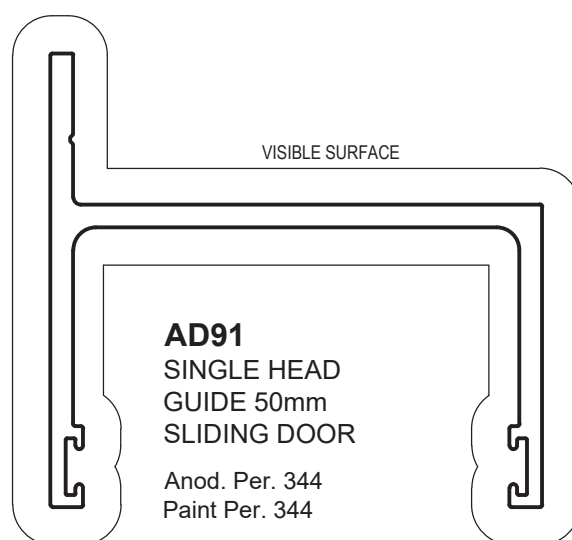
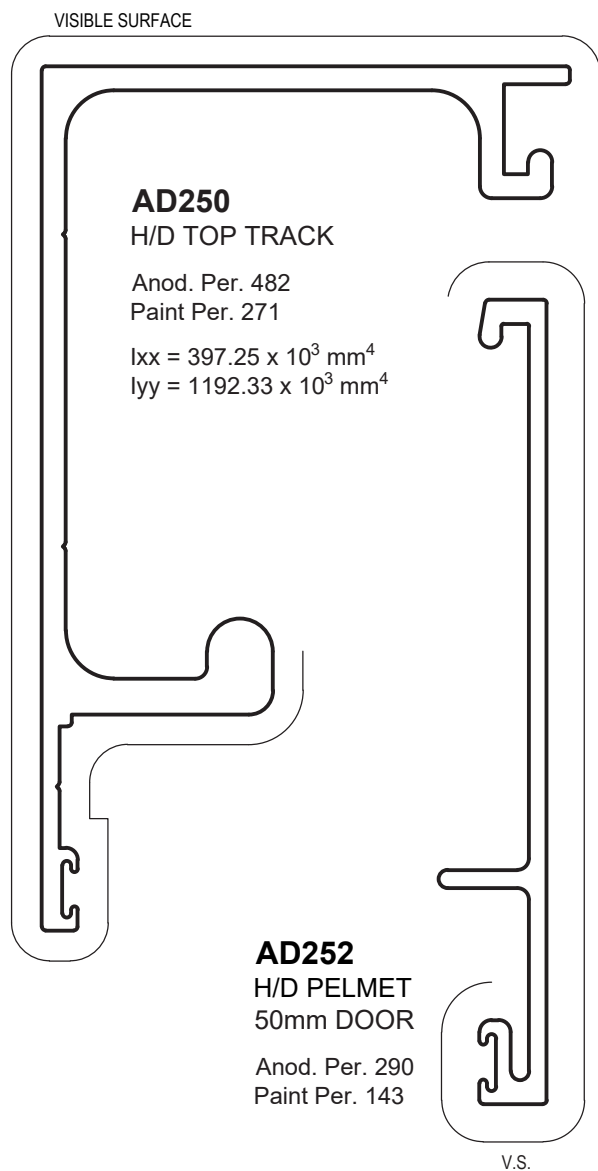


TD33 BOTTOM RAIL

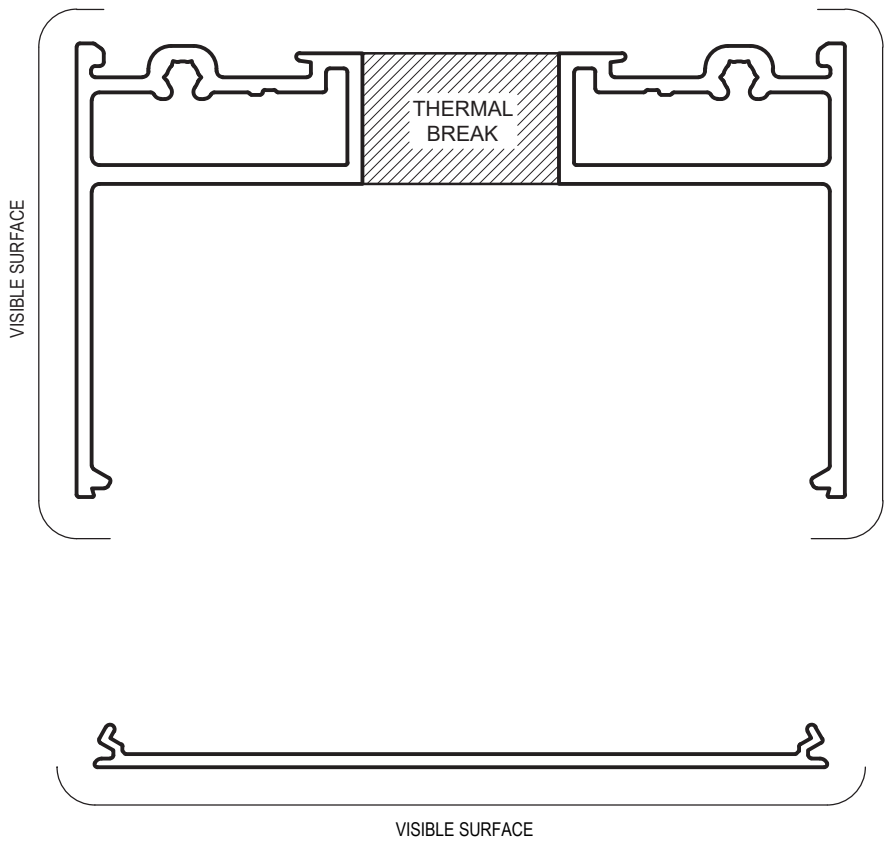
Anod. Per. 598
Paint Per. 222

$I_{xx} = 309.24 \times 10^3 \text{ mm}^4$
 $I_{yy} = 668.47 \times 10^3 \text{ mm}^4$

5. Extrusions



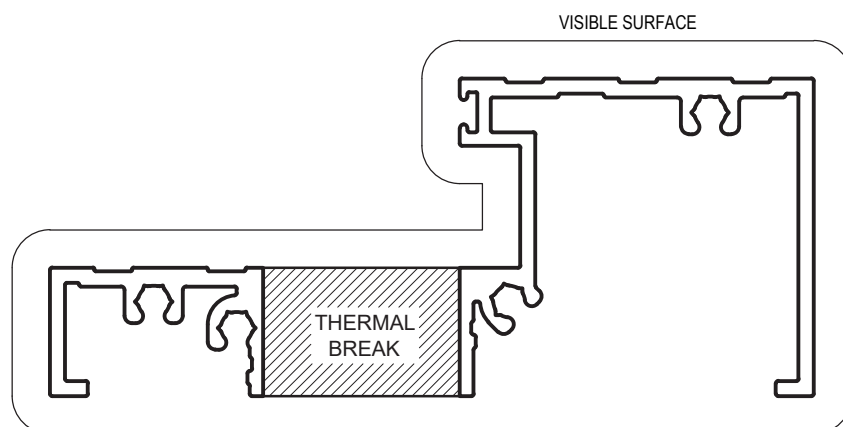
5. Extrusions



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

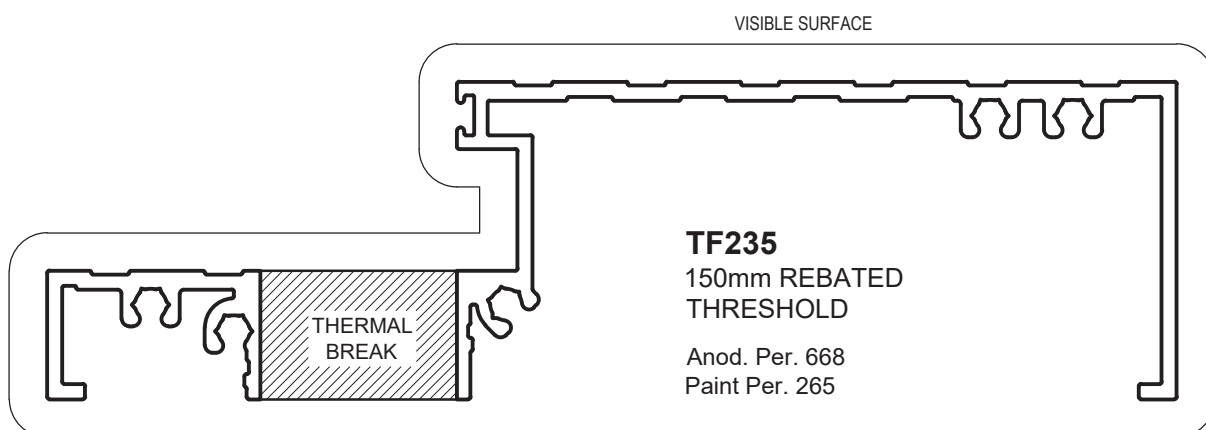
AS27
C.O.C FLUSH FILLER
Anod. Per. 214
Paint Per. 100
 $I_{xx} = 151.01 \times 10^3 \text{ mm}^4$
 $I_{yy} = 0.13 \times 10^3 \text{ mm}^4$

5. Extrusions



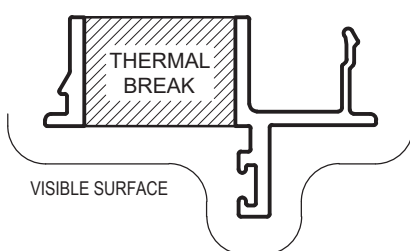
TF236
101.6mm REBATED
THRESHOLD

Anod. Per. 548
Paint Per. 214



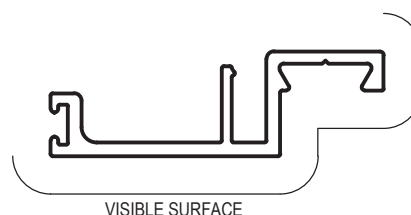
TF235
150mm REBATED
THRESHOLD

Anod. Per. 668
Paint Per. 265



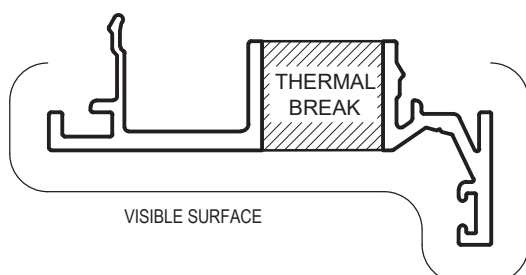
TF7
50mm DOOR STOP

Anod. Per. 210
Paint Per. 100



TF67
50mm DOOR
STOP ADAPTOR

Anod. Per. 164
Paint Per. 100



TF407
50mm DOOR STOP

Anod. Per. 286
Paint Per. 123

6. Hardware & Components

Glazing Wedges

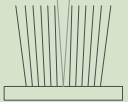
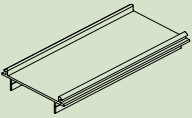
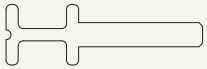
IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	3mm	PVC	1313055	GR43 GLAZING WEDGE (BROWN) (3mm GAP) PVC x 200m ROLL
		S/PRENE	1313063	GR43S GLAZING WEDGE (BROWN) (3mm GAP) S/PRENE x 200m ROLL
	4mm	PVC	1313056	GR44 GLAZING WEDGE (WHITE) (4mm GAP) PVC x 200m ROLL
		S/PRENE	1313064	GR44S GLAZING WEDGE (WHITE)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

Backing Gaskets

IMAGE	TO SUIT GAP	MATERIAL	PART #	DESCRIPTION
	2mm	PVC	1313052	GR36 BACKING GASKET - PUSH IN (2mm GAP) PVC x 200m ROLL
		S/PRENE	1313053	GR36S BACKING GASKET - PUSH IN (2mm GAP) S/PRENE x 200m ROLL
	2mm	PVC	1313079	CE36 CO-EXT BACKING GASKET (2mm GAP) PVC x 100m ROLL
		S/PRENE	1313080	CE36S CO-EXT BACKING GASKET (2mm GAP) S/PRENE x 100m ROLL
	4mm	PVC	1313054	GR37 BACKING GASKET - PUSH IN (4mm GAP) PVC x 175m ROLL
		S/PRENE	1313069	GR37S BACKING GASKET - PUSH IN (4mm GAP) S/PRENE x 175m ROLL
	4mm	PVC	1313081	CE37 CO-EXT BACKING GASKET (4mm GAP) PVC x 100m ROLL
		S/PRENE	1313082	CE37S CO-EXT BACKING GASKET (4mm GAP) S/PRENE x 100m ROLL
	6mm	PVC	1313074	GR49 BACKING GASKET - PUSH IN (6mm GAP) PVC x 100m ROLL
		S/PRENE	1313075	GR49S BACKING GASKET - PUSH IN (6mm GAP) S/PRENE x 100m ROLL
	6mm	PVC	1313083	CE49 CO-EXT BACKING GASKET (6mm GAP) PVC x 100m ROLL
		S/PRENE	1313084	CE49S CO-EXT BACKING GASKET (6mm GAP) S/PRENE x 100m ROLL

6. Hardware & Components

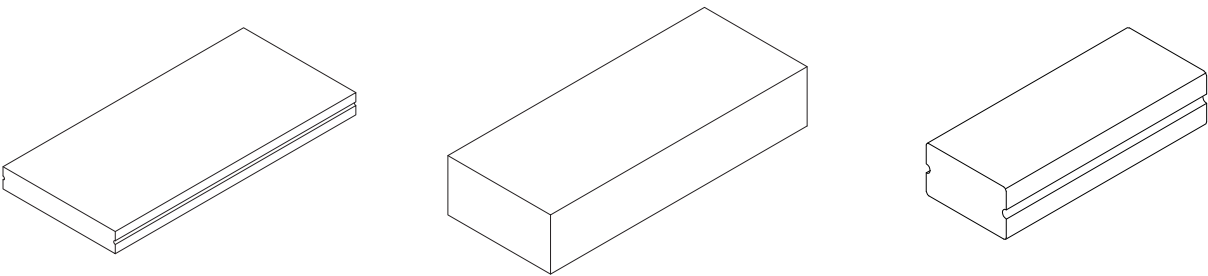
Seals

IMAGE	PART #	FINISH	DESCRIPTION
	1376079	BLACK (034)	CE308 CO-EXT DOOR BUFFER S/PRENE x 200m ROLL
	1377114	BLACK (034)	PBF69-550-4B FINSEAL T-SLOT x 400m
	1377117		PBF69-550-4B FINSEAL T-SLOT x 1m
	1377414	BLACK (034)	PS13 13mm FRINGE PILE x 100m
	1377412		PS13 13mm FRINGE PILE x 1m
	1316107	BLACK (034)	TA4 RAIL SEAL x 1.2m
	1316108	BLACK (034)	TA5 STILE SEAL x 200m ROLL
	1376202	BLACK (034)	SR1B-100 SKIRTING RUBBER x 100m ROLL
	1376201		SR1B SKIRTING RUBBER x METRE
	1376207	GREY (036)	SR1G-100 SKIRTING RUBBER x 100m ROLL
	1376206		SR1G SKIRTING RUBBER x METRE

Fasteners

SCREWS			
PART #	HEAD	DESCRIPTION	LOCATION
1382519	SQUARE #2	10g x 1 (25mm) 304SS SQUARE PAN W/WIND S/TAP x 500	MAIN FRAME
1382054	PHILLIPS #2	10g x 1 (25mm) SS PHIL PAN S/TAP SCREW x 500	MAIN FRAME

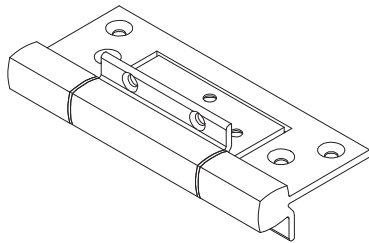
Accessories



SETTING BLOCK 6 x 35 x 75mm BAG OF 50		SETTING BLOCK 15 x 30 x 75mm BAG OF 50		SETTING BLOCK 17 x 30 x 75mm BAG OF 50	
PART	1376736	PART	1376733	PART	1376734
FINISH	BLACK (034)	FINISH	BLACK (034)	FINISH	BLACK (034)
QTY	BAG	QTY	BAG	QTY	BAG of 50

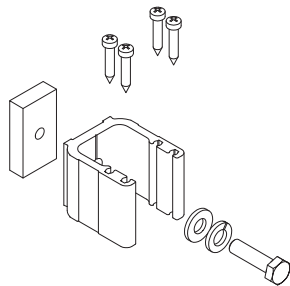
6. Hardware & Components

Hardware

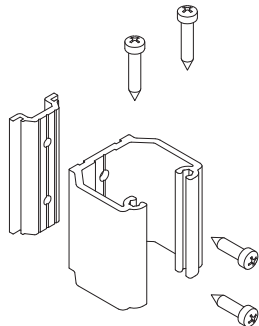


Assembly Detail
page 11.5

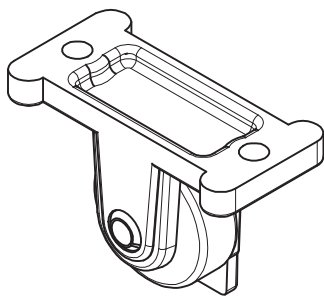
A104TF HINGE SUITS THERMAFRAME	
PART	1374012
FINISH	10UM CLEAR ANO (002) BLACK (034)
QTY	EACH



TA8 CORNER JOINER KIT TF50CD	
PART	1316101
FINISH	NOT SPECIFIED (099)
QTY	BAG

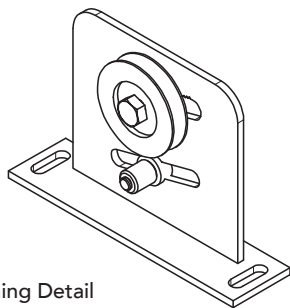


TA9 MID RAIL SPIGOT KIT TF50CD	
PART	1316102
FINISH	NOT SPECIFIED (099)
QTY	BAG

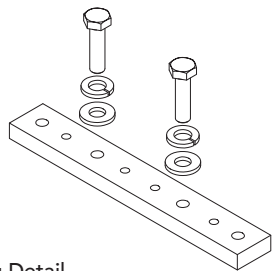


Machining Detail
page 10.18

AD1058 SHOPFRONT DOOR ROLLER MAX 100kg	
PART	1378013
FINISH	NOT SPECIFIED (099)
QTY	EACH

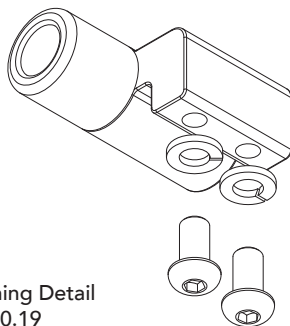


TT225 HD ROLLERS	
PART	1311800
FINISH	NOT SPECIFIED (099)
QTY	EACH



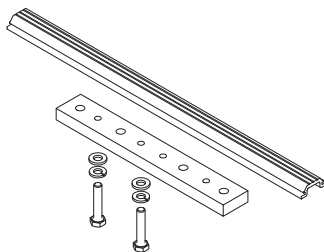
Drawing Detail
page 8.7

TA11 ROLLING DOOR MOUNTING KIT TF50CD	
PART	1316110
FINISH	NOT SPECIFIED (099)
QTY	BAG



Machining Detail
page 10.19

SEH009 TOP HUNG BUMP STOP	
PART	1376244
FINISH	SILVER (031)
QTY	PACK



Drawing Detail
page 8.4

TA13 PIVOT DOOR FIXING PLATE KIT TF50CD	
PART	1316112
FINISH	NOT SPECIFIED (099)
QTY	BAG

6. Hardware & Components

Mortice Lock Kits Hinge Door - Lockwood 3782 & 5782 Selector Series 23mm & 30mm Backset
Refer to page 6.10 - 6.11 for extended cylinder requirements



Machining Detail page 10.7



3782KIT01NOCYL DOUBLE CYLINDER KIT 23mm B/SET NO CYL	
PART	1370601
FINISH	SATIN CHROME (094)
QTY	KIT



Machining Detail page 10.7

3782KIT04NOCYL CYLINDER & TURN KIT 23mm B/SET NO CYL	
PART	1370604
FINISH	SATIN CHROME (094)
QTY	KIT



Machining Detail page 10.7



3782KIT05NOCYL SINGLE CYLINDER KIT 23mm B/SET NO CYL	
PART	1370605
FINISH	SATIN CHROME (094)
QTY	KIT



Machining Detail page 10.7



5782KIT01NOCYL DOUBLE CYLINDER KIT 30mm B/SET NO CYL	
PART	1370611
FINISH	SATIN CHROME (094)
QTY	KIT



Machining Detail page 10.7

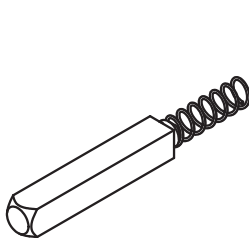
5782KIT04NOCYL CYLINDER & TURN KIT 30mm B/SET NO CYL	
PART	1370614
FINISH	SATIN CHROME (094)
QTY	KIT



Machining Detail page 10.7



5782KIT05NOCYL SINGLE CYLINDER KIT 30mm B/SET NO CYL	
PART	1370615
FINISH	SATIN CHROME (094)
QTY	KIT

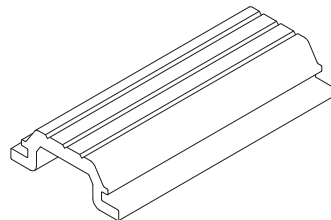


Machining Detail page 10.7

SP3570-5228 EXTENSION SPINDLE 50-75mm DOOR	
PART	1370015
FINISH	NOT SPECIFIED (099)
QTY	EACH



TA16 - SELECTOR TIMBER FACE PLATE WITH 4 x SCREWS	
PART	1370649
FINISH	STAINLESS STEEL (0G8)
QTY	EACH



Machining Detail page 10.7

TA14 MORTICE LOCK FIXING PLATE TF50CD		
PART	1316113	1316115
FINISH	NOT SPECIFIED (099)	
QTY	BAG (100)	EACH

MORE OPTIONS & FINISHES AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH

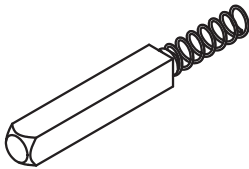
6. Hardware & Components

Mortice Lock Kits Hinge Door - Lockwood 3772 Selector Series 60mm Backset
Requires extended cylinders - refer to page 6.10 - 6.11



Machining Detail
page 10.8

3772TSS PRIMARY LOCK 60mm B/SET INC LOCKING ADAPTOR	
PART	1370697
FINISH	SATIN S/LESS STEEL (0A6)
QTY	EACH



SP3570-5228 EXTENSION SPINDLE 50-75mm DOOR	
PART	1370015
FINISH	NOT SPECIFIED (099)
QTY	EACH



Machining Detail
page 10.8

1805/70SC WIDE EXTERNAL SQUARE END PLATE & 70 LEVER	
PART	1370338
FINISH	SATIN CHROME (094)
QTY	EACH



Machining Detail
page 10.8

1801/70SC EXTERNAL SQUARE PLATE CYL HOLE & 70 LEVER	
PART	1370334
FINISH	SATIN CHROME (094)
QTY	EACH



Machining Detail
page 10.8

1905/70SC WIDE INTERNAL SQUARE END PLATE 70 LEVER	
PART	1370351
FINISH	SATIN CHROME (094)
QTY	EACH



Machining Detail
page 10.8

1901/70SC INTERNAL SQUARE END PLATE CYL & 70 LEVER	
PART	1370340
FINISH	SATIN CHROME (094)
QTY	EACH



Machining Detail
page 10.8

1904/70SC INTERNAL SQUARE PLATE TURN & 70 LEVER	
PART	1370342
FINISH	SATIN CHROME (094)
QTY	EACH

6. Hardware & Components

Mortice Lock Kits Hinge Door - DormaKaba



MS2602KIT6AS30KASSS SINGLE CYL KIT KAL 60mm B/SET

PART	1370187
FINISH	SATIN S/LESS STEEL (0A6)
QTY	KIT

MS2602KIT3AS30KAA CYL & TURN KIT INC KAL CYL 60mm B/SET

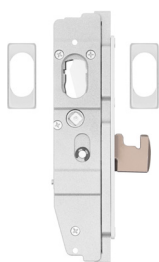
PART	1370183
FINISH	SATIN S/LESS STEEL (0A6)
QTY	KIT

MS2602KIT1AS30KAA DOUBLE CYL KIT KEY ALIKE 60mm B/SET

PART	1370180
FINISH	SATIN S/LESS STEEL (0A6)
QTY	KIT

Mortice Lock Swing Bolt Kits - Lockwood 5541 Synergy Series

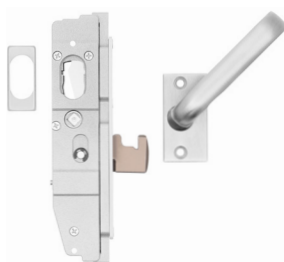
Refer to page 6.10 - 6.11 for extended cylinder requirements



Machining Detail page 10.10

5541RRSCNCYL 30mm B/SET 28mm HOOK NO CYL

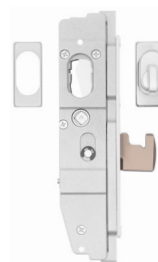
PART	1371249
FINISH	SATIN CHROME (094)
QTY	EACH



Machining Detail page 10.10

5541RL1SCNCYL 30mm B/SET 28mm HOOK L1 LEVER NO CYL

PART	1371250
FINISH	SATIN CHROME (094)
QTY	EACH



Machining Detail page 10.10

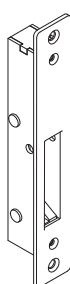
5541RT4SCNCYL 30mm B/SET 28mm HOOK T4 TURN NO CYL

PART	1371248
FINISH	SATIN CHROME (094)
QTY	EACH



TA17 3540 TIMBER FACE PLATE WITH 4 x SCREWS

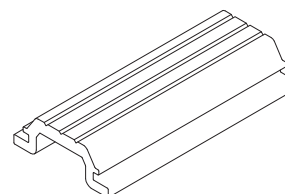
PART	1371167
FINISH	SATIN CHROME (094)
QTY	EACH



Machining Detailpage 10.11

TA6 3540 LATCHING STRIKE INCL TIMBER FACE PLATE & 4 x SCREWS

PART	1316117
FINISH	SATIN CHROME (094)
QTY	EACH



TA14 MORTICE LOCK FIXING PLATE TF50CD

PART	1316113	1316115
FINISH	NOT SPECIFIED (099)	
QTY	BAG (100)	EACH

6. Hardware & Components

Hinge Door Lock Kits - Killara Optimum

Refer to page 6.10 - 6.11 for cylinder requirements



Machining Detail page 10.12

KILLARA XTRA 2PT KIT INC OPTIMUM LOCK HANDLES & STRIKE

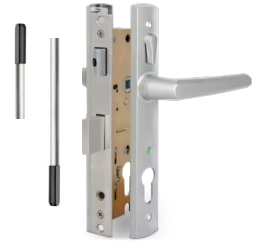
PART	1344016
FINISH	BLACK (034) SATIN CHROME (094)
QTY	EACH



Machining Detail page 10.12

KILLARA XTRA 4 PT KIT INC RODS BLK

PART	1344005
FINISH	BLACK (034)
QTY	KIT



Machining Detail page 10.12

KILLARA XTRA 4 PT KIT INC RODS SC

PART	1344006
FINISH	SATIN CHROME (094)
QTY	KIT

Door Lock Body - Killara Optimum

KILLARA OPTIMUM LOCK BODY ONLY



OPTIMUM 1PT HINGED 30mm B/S OP30/1LAN/SS

PART	1345563	FINISH	SATIN S/LESS STEEL (0A6)	QTY	EACH
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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
------	---------	--------	--------------------------	-----	------

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

Hinge Door Lock Kits - Killara Optimum (con)



Machining Detail
page 10.13



REQUIRED FOR WIND PRESSURES ABOVE 2KPA, AND PANELS OVER 2700 HIGH. SUITS KILLARA TWIN BOLT AND OPTIMUM LOCKS ONLY



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

OPTIMUM 12mm DOUBLE SIDED STRIKE OPS001SS

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

STAINLESS STEEL D ROD TIP 65mm x 1 P9731

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

Twin Bolt Lock Kits - Killara

KILLARA TWIN BOLT LOCK KITS



KILLARA TWINBOLT NONLOCK 1x1m 1x1.3m RODS SS TIPS

PART	1344018	FINISH	BLACK (034)	QTY	EACH
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KILLARA TWINBOLT NONLOCK 1x1m 1x1.3m RODS SS TIPS

PART	1344014	FINISH	SATIN CHROME (094)	QTY	EACH
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KILLARA TWINBOLT LOCKING 1x1m / 1x1.3m RODS NO CYLINDER SS TIPS SC

PART	1344011	FINISH	BLACK (034)	QTY	EACH
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KILLARA TWINBOLT LOCKING 1x1m / 1x1.3m RODS NO CYLINDER SS TIPS SC

PART	1344012	FINISH	SATIN CHROME (094)	QTY	EACH
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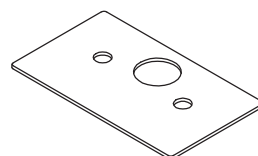
STANDARD TIPS ALSO AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH



MORE KEY OPTIONS AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH



SUITS OPTIMUM DOOR LOCK & KILLARA TWIN BOLTS



Machining Detail
page 10.15

TWINBOLT CYLINDER ONLY 70C4CYLJ031 A01

PART	1346621
FINISH	SATIN CHROME (094)
QTY	EACH

1m ROD WITH EXTENSION JOINER NO TIP P84017

PART	1345144
FINISH	NOT SPECIFIED (099)
QTY	EACH

TA15 FLUSH BOLT GUIDE PLATE

PART	1316116
FINISH	STAINLESS STEEL (0G8)
QTY	EACH

6. Hardware & Components

Verta Hinge Door Mortice Lock Kit Selection

Cylinder requirements
page 6.10 - page 6.11



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 10.16 - page 10.17



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



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

Machining Detail
page 10.16 - page 10.17

6. Hardware & Components

Euro Cylinders

	76mm Euro Double Cylinder	
	Part	Item Description
	1346741	EURO DBL CYL FIXED CAM 5PIN 76mm J031 INTERLOCK A01
	1346742	EURO DBL CYL FIXED CAM 5PIN 76mm J032 INTERLOCK A02
	1346743	EURO DBL CYL FIXED CAM 5PIN 76mm J033 INTERLOCK A03
	1346744	EURO DBL CYL FIXED CAM 5PIN 76mm J034 INTERLOCK A04
	1346745	EURO DBL CYL FIXED CAM 5PIN 76mm J035 INTERLOCK A05
	1346746	EURO DBL CYL FIXED CAM 5PIN 76mm J036 INTERLOCK A06
	1346747	EURO DBL CYL FIXED CAM 5PIN 76mm J037 INTERLOCK A07
	1346748	EURO DBL CYL FIXED CAM 5PIN 76mm J038 INTERLOCK A08
	1346749	EURO DBL CYL FIXED CAM 5PIN 76mm J039 INTERLOCK A09
	1346750	EURO DBL CYL FIXED CAM 5PIN 76mm J040 INTERLOCK A10
	79mm Euro Cylinder and Turn	
	Part	Item Description
	1345691	EURO CYL & TURN FIXED CAM 79mm 5PIN J031 INTERLOCK A01
	1345692	EURO CYL & TURN FIXED CAM 79mm 5PIN J032 INTERLOCK A02
	1345693	EURO CYL & TURN FIXED CAM 79mm 5PIN J033 INTERLOCK A03
	1345694	EURO CYL & TURN FIXED CAM 79mm 5PIN J034 INTERLOCK A04
	1345695	EURO CYL & TURN FIXED CAM 79mm 5PIN J035 INTERLOCK A05
	1345696	EURO CYL & TURN FIXED CAM 79mm 5PIN J036 INTERLOCK A06
	1345697	EURO CYL & TURN FIXED CAM 79mm 5PIN J037 INTERLOCK A07
	1345698	EURO CYL & TURN FIXED CAM 79mm 5PIN J038 INTERLOCK A08
	1345699	EURO CYL & TURN FIXED CAM 79mm 5PIN J039 INTERLOCK A09
	1345700	EURO CYL & TURN FIXED CAM 79mm 5PIN J040 INTERLOCK A10

- Suits
- Killara Optimum Hinge
 - Verta Hinge Door Locks

		
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)

6. Hardware & Components

Oval Extended Cylinders



570E/SC5KA EXTENDABLE ASSEMBLED 5 PIN CYL WITH "U" CAM	
PART	1370581
FINISH	SATIN CHROME (094)
QTY	EACH



570/EXT07 7mm OVAL CYLINDER EXTENTION x 1	
PART	1360071
FINISH	NOT SPECIFIED (099)
QTY	EACH



SP3700 V CAM FOR 3782/5782 CYL LOCK / UNLOCK / RETRACT x1	
PART	1370676
FINISH	NOT SPECIFIED (099)
QTY	EACH



SP3700 X7 CAM FOR 3782/5782 CYL RETRACT & LOCK ONLY x1	
PART	1370668
FINISH	NOT SPECIFIED (099)
QTY	EACH



SP3540-815ZP RABBIT CAM FOR 5541 (LOCK/UNLOCK)	
PART	1371207
FINISH	NOT SPECIFIED (099)
QTY	EACH

6. Hardware & Components

Surface Mounted Door Closers - Efco

	EFCO 80 STANDARD ARM SIZE 2 CLOSER SILVER					
	PART	1351005	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 80 STANDARD ARM SIZE CLOSER SILVER					
	PART	1351007	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 80 STANDARD ARM SIZE 4 CLOSER SILVER					
	PART	1351009	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 80 STANDARD ARM SIZE 5 CLOSER SILVER					
	PART	1351011	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 80 OFFSET PARALLEL ARM SIZE 3 CLOSER SILVER					
	PART	1351015	FINISH	SATIN CHROME (094)	QTY	EACH
 OFFSET ARM CLOSERS Cranked arm keeps door closer away from the glazing bead!	EFCO 80 OFFSET PARALLEL ARM SIZE 4 CLOSER SILVER					
	PART	1351017	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 80 OFFSET PARALLEL ARM SIZE 5 CLOSER SILVER					
	PART	1351019	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 80 HOLD OPEN ARM SIZE 2 CLOSER SILVER					
	PART	1351025	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 80 HOLD OPEN ARM SIZE 3 CLOSER SILVER					
	PART	1351027	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 80 HOLD OPEN ARM SIZE 4 CLOSER SILVER					
	PART	1351029	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 72 STD/PA ARM POWER ADJUSTABLE SIZE 2-4 CLOSER SIL					
	PART	1351003	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 72 SLIDE RAIL ARM POWER ADJUSTABLE SIZE 1-3 CLOSER SIL					
	PART	1351074	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 83 STD/PA ARM POWER ADJUSTABLE SIZE 2-6 CLOSER SIL					
	PART	1351001	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 83 SLIDE RAIL POWER ADJUSTABLE 2-5 CLOSER SILVER					
	PART	1351073	FINISH	SATIN CHROME (094)	QTY	EACH
	EFCO 80 HOLD OPEN ARM ONLY SILVER					
	PART	1351041	FINISH	NOT SPECIFIED (099)	QTY	EACH
	EFCO 72 / 83 SERIES HOLD OPEN ARM ONLY SILVER					
	PART	1351067	FINISH	NOT SPECIFIED (099)	QTY	EACH
	EFCO 83 SERIES PARALLEL ARM BRACKET Z TYPE SILVER					
	PART	1351043	FINISH	NOT SPECIFIED (099)	QTY	EACH
	EFCO 80 SERIES DROP PLATE SILVER					
	PART	1351049	FINISH	NOT SPECIFIED (099)	QTY	EACH
	EFCO 72 / 83 SERIES DROP PLATE SILVER					
	PART	1351062	FINISH	NOT SPECIFIED (099)	QTY	EACH

MORE CLOSERS AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH

6. Hardware & Components

Surface Mounted Door Closers - DormaKaba

	TS68 STANDARD ARM STRENGTH 2-4 BACKCHECK					
	PART	1371055	FINISH	SILVER PAINT (031)	QTY	EACH
	TS72 STANDARD ARM STRENGTH 2-4 BACKCHECK					
	PART	1371050	FINISH	SILVER PAINT (031)	QTY	EACH
	TS73V STANDARD ARM STRENGTH 1-4 DELAYED ACTION & B/CHECK					
	PART	1378547	FINISH	SILVER PAINT (031)	QTY	EACH
	TS83 STANDARD ARM STRENGTH 3-6 DELAYED ACTION & BACKCHECK					
	PART	1378519	FINISH	SILVER PAINT (031)	QTY	EACH
	TS92G N EN1-4 PUSH SIDE COMPLETE NO ANGLE BRACKET SIL					
	PART	1371062	FINISH	NOT SPECIFIED (099)	QTY	EACH
	TS92B N CAM ACTION STRENGTH 1-4 PULL SIDE COMPLETE SIL					
	PART	1371061	FINISH	NOT SPECIFIED (099)	QTY	EACH
	TS93/G CAM ACTION STRENGTH EN1-5 PUSH SIDE NO ANGLE BRACKET					
	PART	1371065	FINISH	SILVER PAINT (031)	QTY	EACH
	TS93B N CAM ACTION STRENGTH 1-5 PULL SIDE COMPLETE SIL					
	PART	1371064	FINISH	SILVER PAINT (031)	QTY	EACH



G-N ANGLE BRACKET FOR TS92 & TS93 PUSH SIDE CLOSERS	
PART	1371090
FINISH	SILVER PAINT (031)
QTY	EACH



1250 DOOR LIMITER STAY SCP	
PART	1309677
FINISH	SATIN CHROME (034)
QTY	EACH



KBSIL KINKED PARALLEL ARM BRACKET	
PART	1386352
FINISH	SILVER PAINT (031)
QTY	EACH



G-HO DEVICE HOLD OPEN UNIT FOR TS91/TS92/TS93	
PART	1371091
FINISH	NOT SPECIFIED (099)
QTY	EACH



DORMA G-N LIMITING STOP	
PART	1371057
FINISH	NOT SPECIFIED (099)
QTY	EACH



DORMA TS83/TS73 DROP PLATE	
PART	1378549
FINISH	SILVER PAINT (031)
QTY	EACH

MORE CLOSERS AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH

6. Hardware & Components

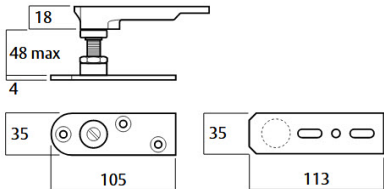
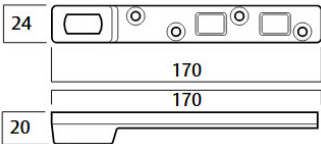
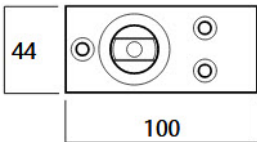
Transom Door Closers

SIZE 2 TRANSOM CLOSER						
 MAX DOOR WEIGHT: 115kg MAX DOOR WIDTH: 850mm	9852N SIZE 2 OTC TRANSOM CLOSER NON HOLD OPEN					
	PART	1352034	FINISH	NOT SPECIFIED (099)	QTY	EACH
	9852H90 SIZE 2 OTC TRANSOM CLOSER 90 DEGREE HOLD OPEN					
	PART	1352022	FINISH	NOT SPECIFIED (099)	QTY	EACH

SIZE 3 TRANSOM CLOSER						
 MAX DOOR WEIGHT: 115kg MAX DOOR WIDTH: 1050mm	9853N SIZE 3 TRANSOM CLOSER NON HOLD OPEN					
	PART	1352031	FINISH	NOT SPECIFIED (099)	QTY	EACH
	9853H90 SIZE 3 TRANSOM CLOSER 90 DEGREE HOLD OPEN					
	PART	1352032	FINISH	NOT SPECIFIED (099)	QTY	EACH
	9853H105 SIZE 3 TRANSOM CLOSER 105 DEGREE HOLD OPEN					
	PART	1352030	FINISH	NOT SPECIFIED (099)	QTY	EACH

SIZE 4 TRANSOM CLOSER						
 MAX DOOR WEIGHT: 115kg MAX DOOR WIDTH: 1220mm	9854N SIZE 4 TRANSOM CLOSER NON HOLD OPEN					
	PART	1352035	FINISH	NOT SPECIFIED (099)	QTY	EACH
	9854H90 SIZE 4 TRANSOM CLOSER 90 DEGREE HOLD OPEN					
	PART	1352042	FINISH	SATIN S/LESS STEEL (0A6)	QTY	EACH
	9854H105 SIZE 4 TRANSOM CLOSER 105 DEGREE HOLD OPEN					
	PART	1352044	FINISH	SATIN S/LESS STEEL (0A6)	QTY	EACH

Transom Door Closers - Spare Parts

		
SP985-15 UNIVERSAL BOTTOM PIVOT 115kg	SP985-30 FIRE RATED HEAVY DUTY BOTTOM STRAP 200kg	SP985-35 FIRE RATED HEAVY DUTY FLOOR PIVOT 200kg
PART 1352056	PART 1352033	PART 1352036
FINISH NOT SPECIFIED (099)	FINISH NOT SPECIFIED (099)	FINISH NOT SPECIFIED (099)
QTY EACH	QTY EACH	QTY EACH

MORE TRANSOM CLOSERS AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH

6. Hardware & Components

Entrance Pull Handles

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

MORE ENTRANCE PULL HANDLES AND FINISHES AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH

6. Hardware & Components

Door Holders



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



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



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

Door Stops



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



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



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



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



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

MORE OPTIONS & FINISHES AVAILABLE - CONTACT YOUR LOCAL ALSPEC BRANCH

6. Hardware & Components

Electric Strikes

	ES110-1 ELECTRIC STRIKE 12/24Vdc FAIL SAFE/SECURE NON MON					
	PART	1370773	FINISH	NOT SPECIFIED (099)	QTY	EACH
	ES200-1 ELECTRIC STRIKE 12Vdc FAIL SAFE/SECURE NON MON					
	PART	1370731	FINISH	NOT SPECIFIED (099)	QTY	EACH
	ES2000-1 ELECTRIC STRIKE 12Vdc FAIL SAFE/SECURE MON					
	PART	1304579	FINISH	NOT SPECIFIED (099)	QTY	EACH
ES2100-1 ELECTRIC STRIKE 12/30Vdc FAIL SAFE/SECURE MON						
	PART	1304578	FINISH	NOT SPECIFIED (099)	QTY	EACH

Power Transfer Leads

	EA280 POWER TRANSFER LEAD COVER					
	PART	1373083	FINISH	SATIN CHROME (094)	QTY	EACH
	LC8810 POWER TRANSFER LEAD 277mm					
	PART	1373082	FINISH	SATIN CHROME (094)	QTY	EACH
	LC8811 POWER TRANSFER LEAD 497mm					
	PART	1373081	FINISH	SATIN CHROME (094)	QTY	EACH

Electromagnetic Locks

						
						
	EMZ4-SN MAG LOCK 12/24Vdc SINGLE NON MONITORED 250kg					
	PART	1389900	FINISH	NOT SPECIFIED (099)	QTY	EACH
	EMZ4-RSM RECESSED MAG LOCK 12/24Vdc SINGLE MONITORED 250kg					
	PART	1389905	FINISH	NOT SPECIFIED (099)	QTY	EACH
EMZ4B-SLZ BRACKET L-Z FOR SINGLE MAG LOCK						
	PART	1389901	FINISH	NOT SPECIFIED (099)	QTY	EACH
EMZ4-DN MAG LOCK 12/24Vdc DOUBLE NON MONITORED 500kg						
	PART	1389908	FINISH	SATIN CHROME (094)	QTY	EACH
EMZ4-DM MAG LOCK 12/24Vdc DOUBLE MONITORED 500kg						
	PART	1389909	FINISH	SATIN CHROME (094)	QTY	EACH
EMZ4B-DLZ EMZ BRACKET L - Z FOR DOUBLE MAG LOCKS						
	PART	1389911	FINISH	SATIN CHROME (094)	QTY	EACH

6. Hardware & Components

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.

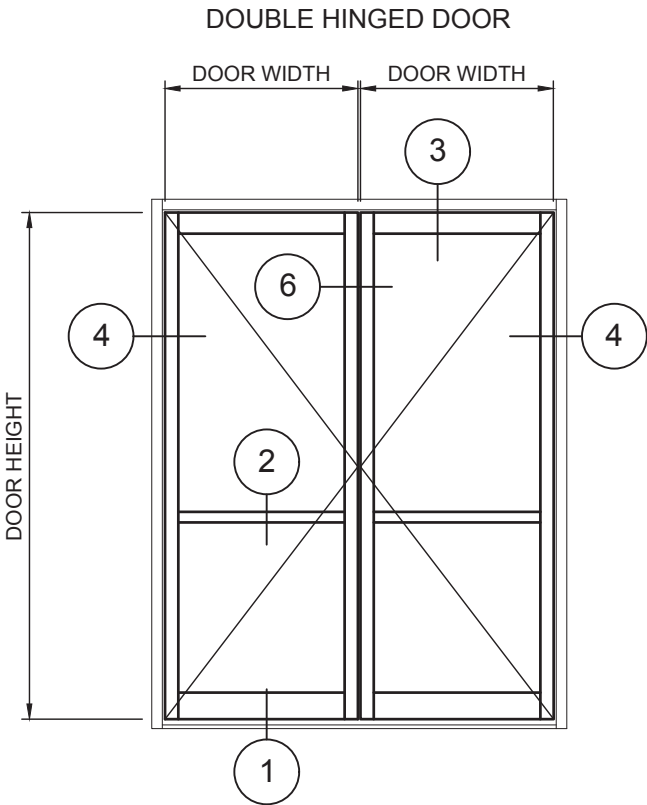
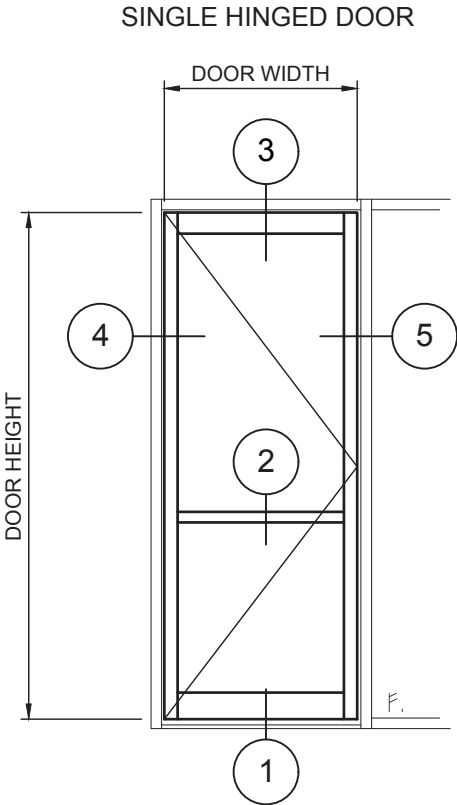
6. Hardware & Components

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

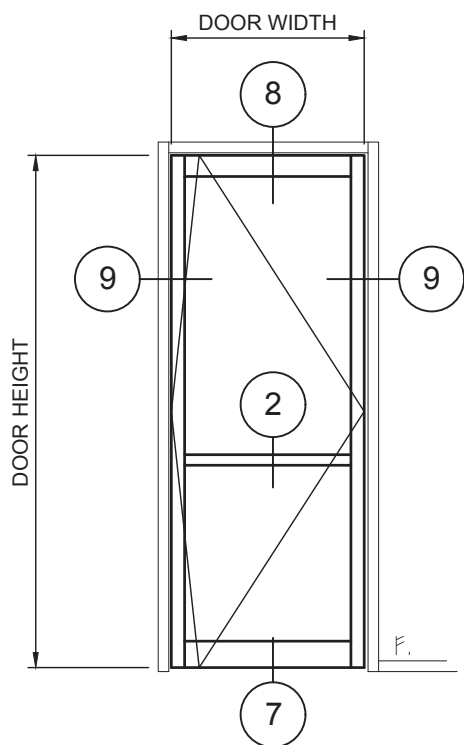
Hinged Doors



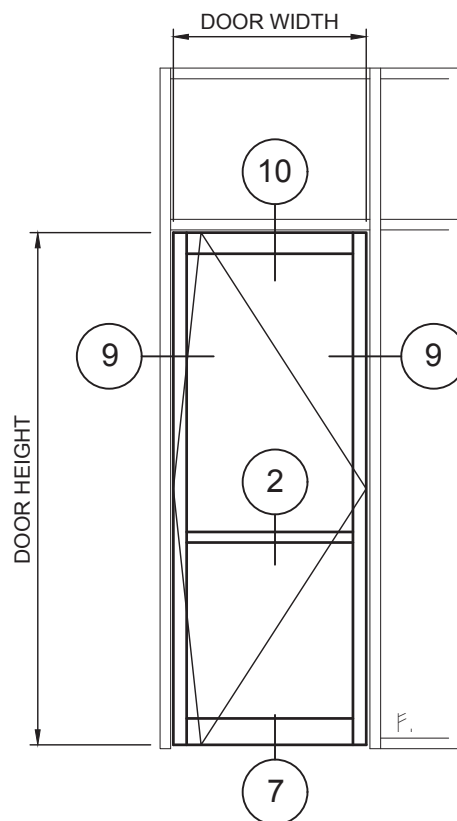
7. Typical Elevation

Pivot Doors

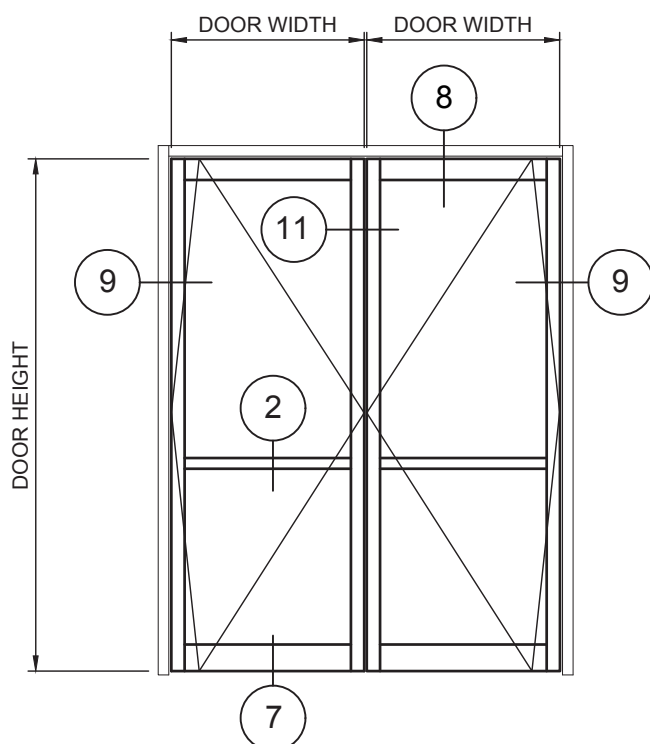
SINGLE PIVOT DOOR



SINGLE PIVOT DOOR WITH HIGH LITE



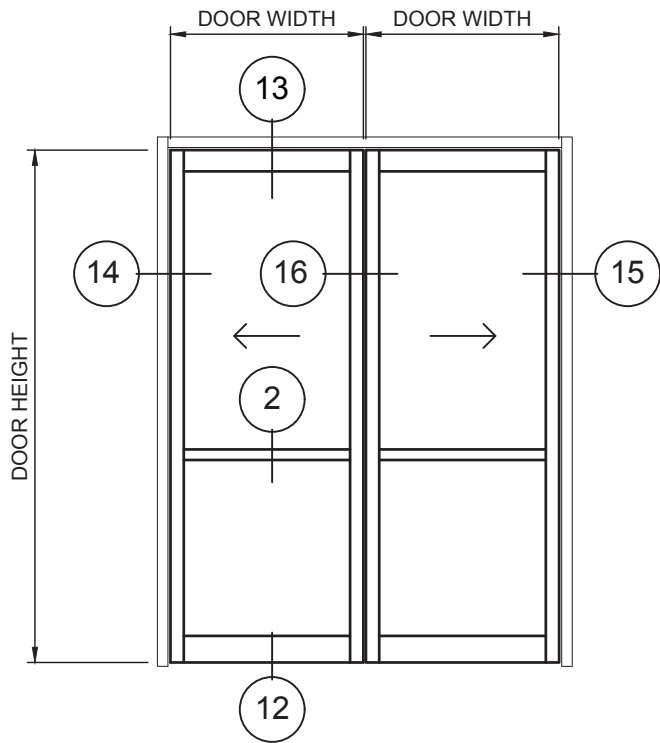
DOUBLE PIVOT DOOR



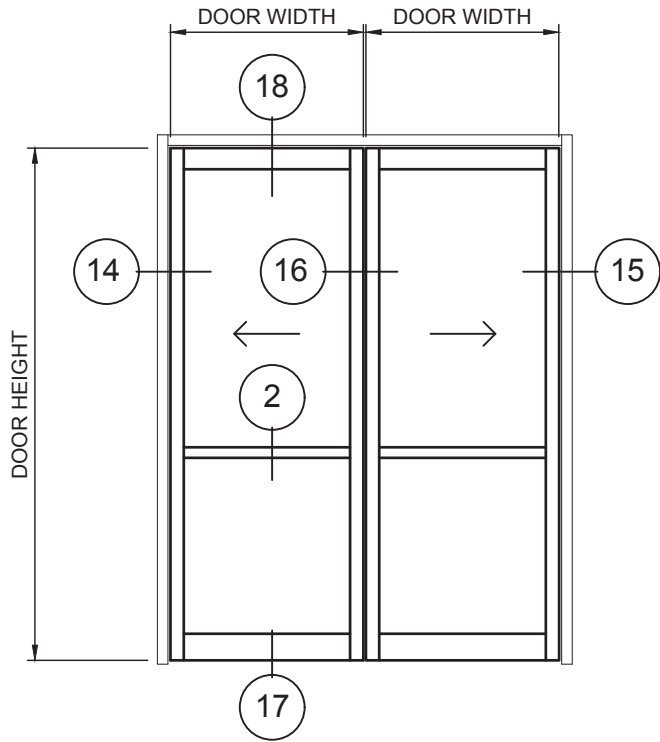
7. Typical Elevation

Sliding Doors

BOTTOM TRACK SLIDING DOOR



TOP TRACK SLIDING DOOR



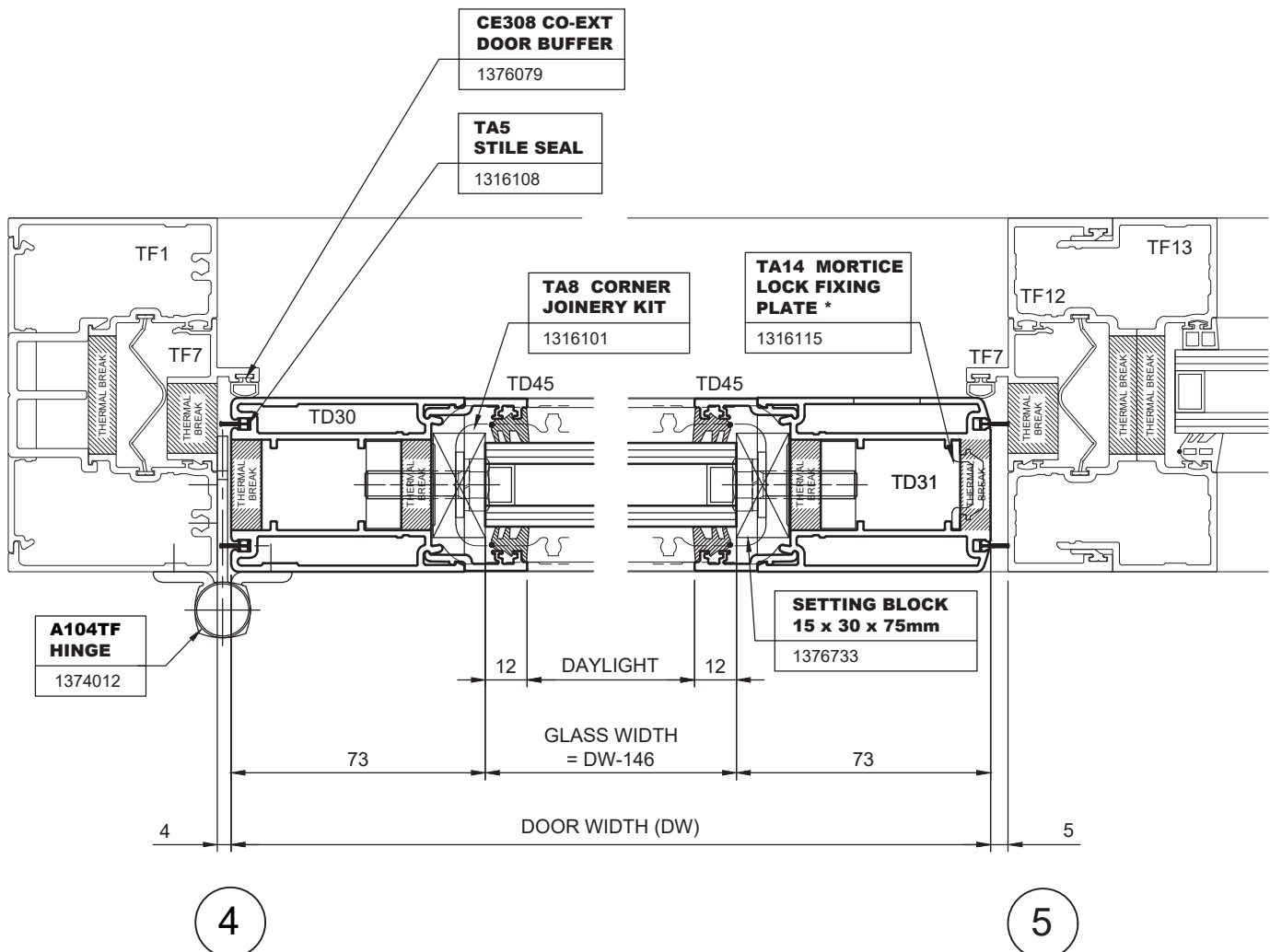
Hinged Door Head, Mid Rail & Threshold



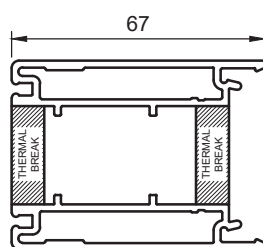
8. Typical Details

Hinged Jamb & Mullion Details

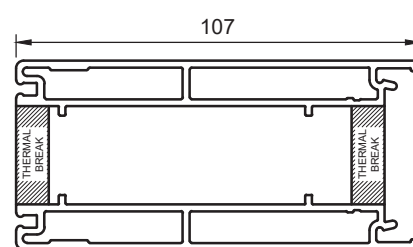
* REFER MANUFACTURING DRAWINGS FOR LOCK MACHINING
AND TA14 MORTICE LOCK FIXING PLATE FIXING DETAILS



DOOR STILE SIZES



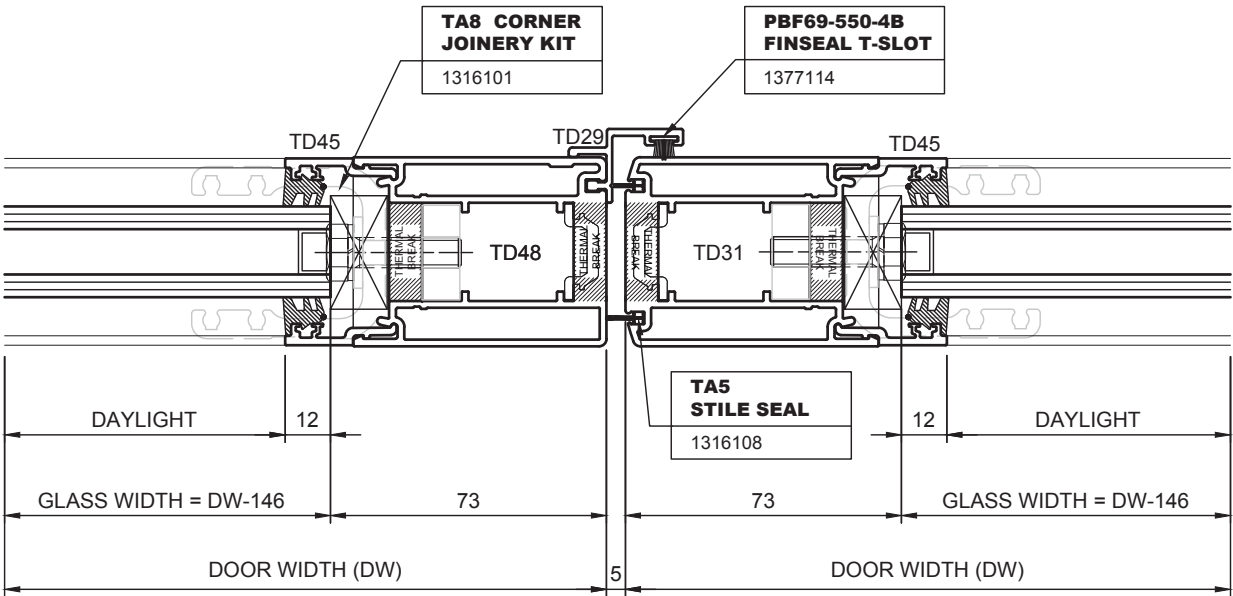
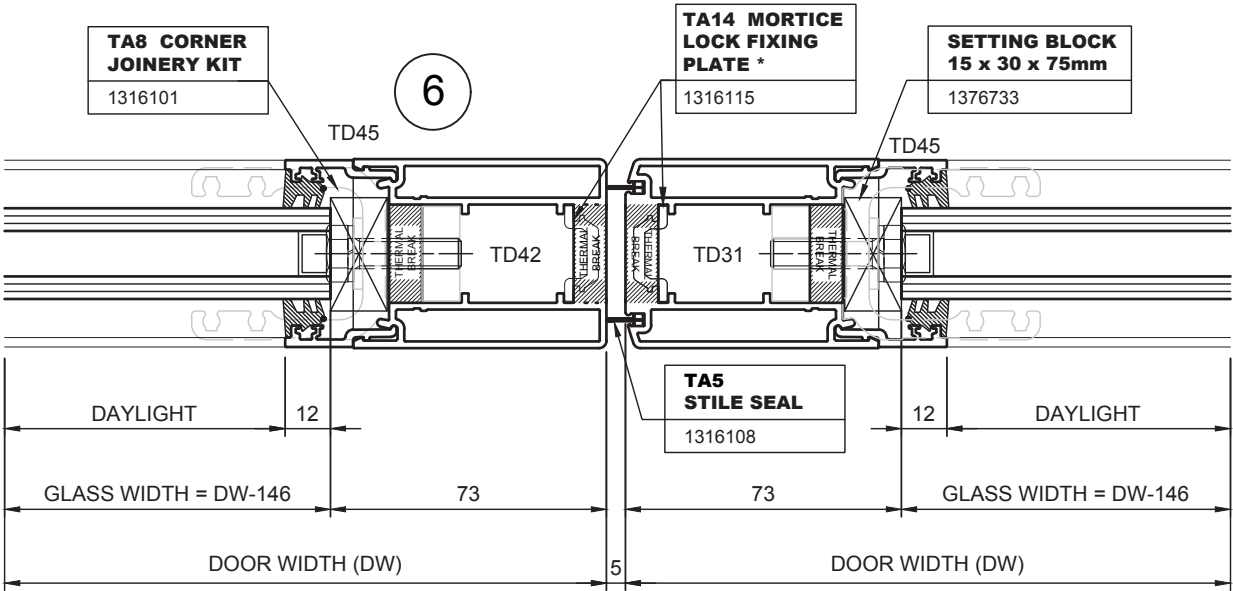
ALL STD STILES = 67mm WIDE
(TD30, TD31, TD42, TD43, TD48)



ALL WIDE STILES = 107mm WIDE
(TD34, TD35)

8. Typical Details

Hinged Meeting Stile Details

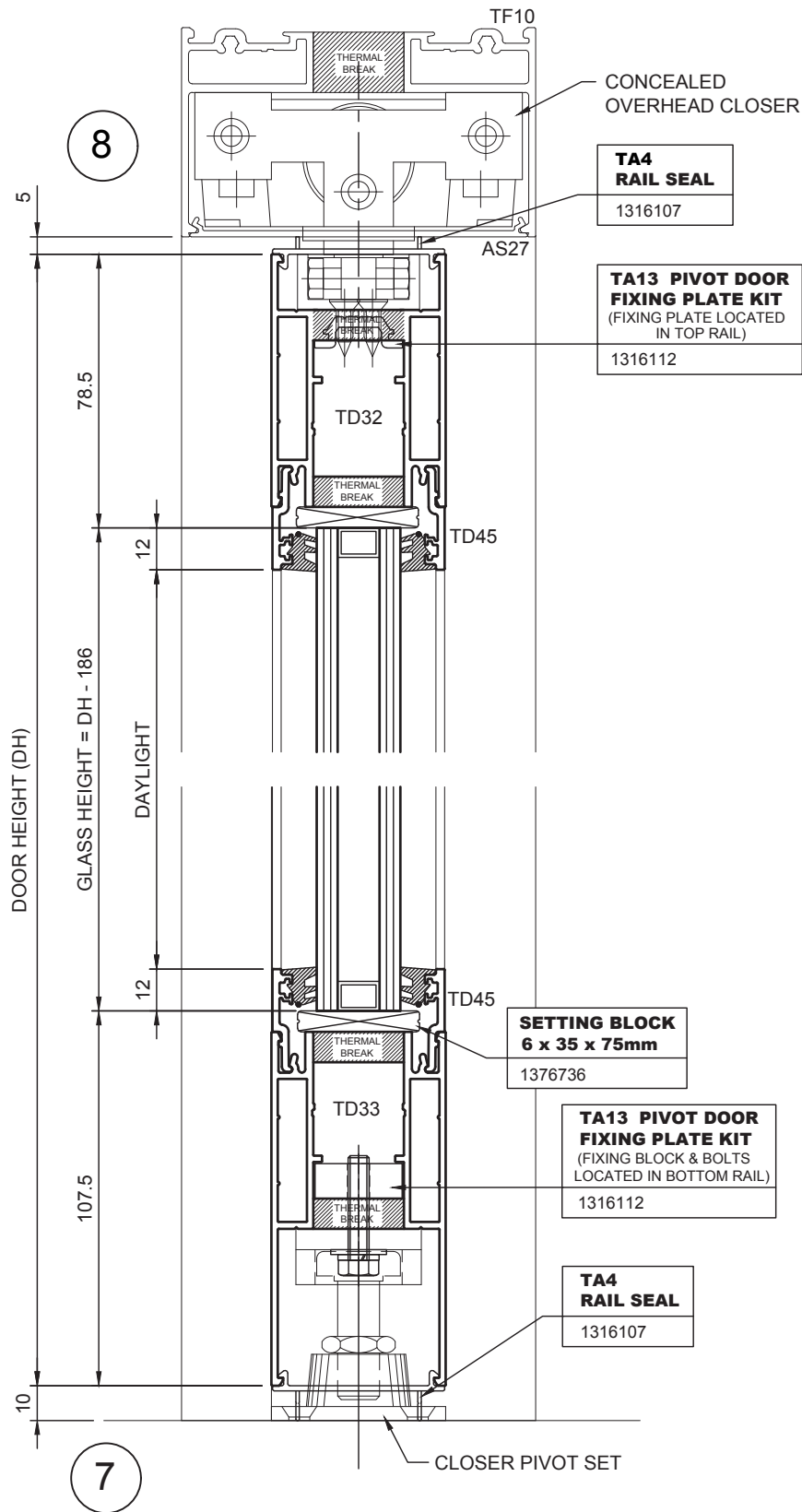


6 OPTION FOR HINGED MEETING STILE ONLY

* REFER MANUFACTURING DRAWINGS FOR LOCK MACHINING AND TA14 MORTICE LOCK FIXING PLATE FIXING DETAILS

8. Typical Details

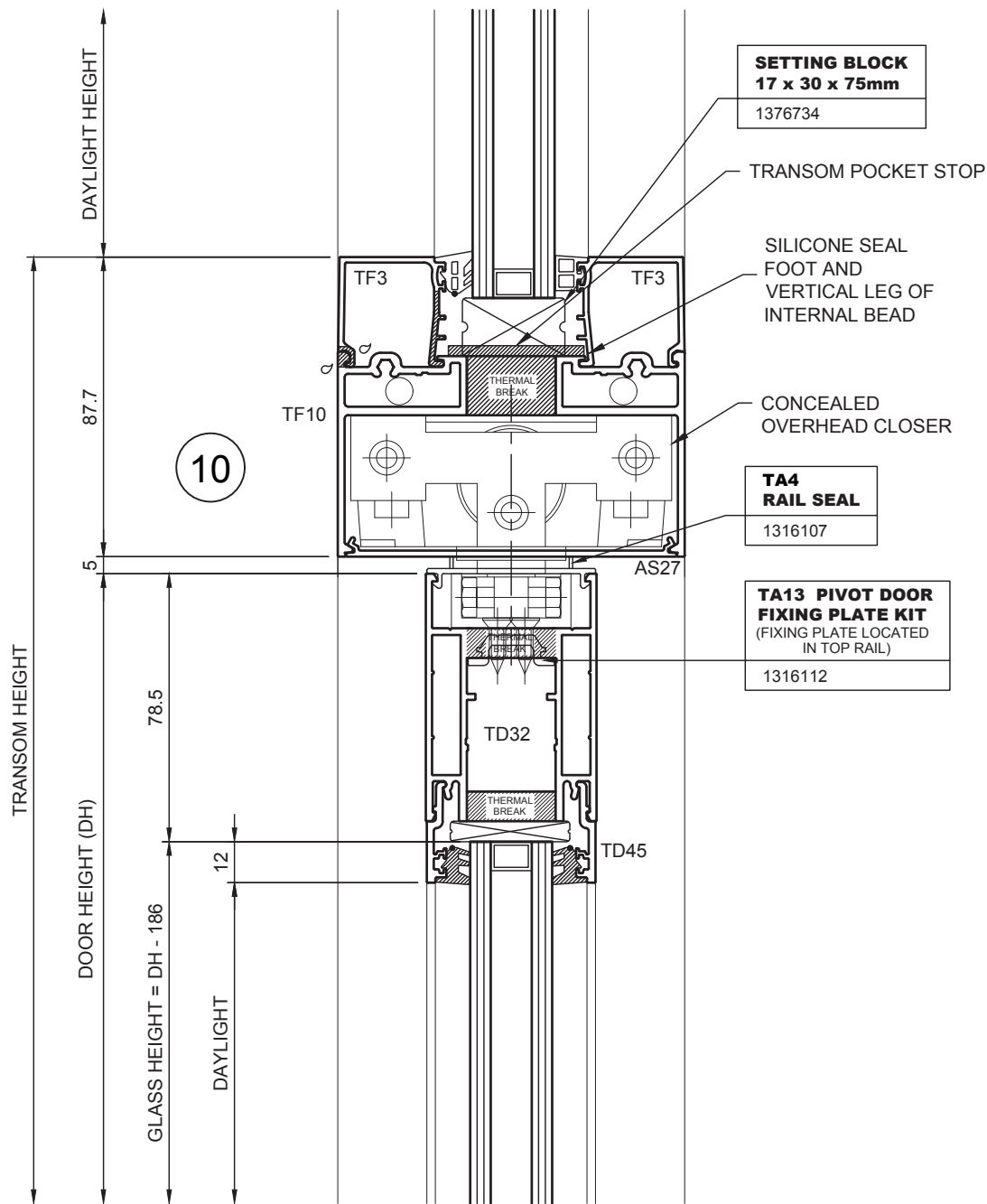
Pivot Door Head & Head Threshold Details



8. Typical Details

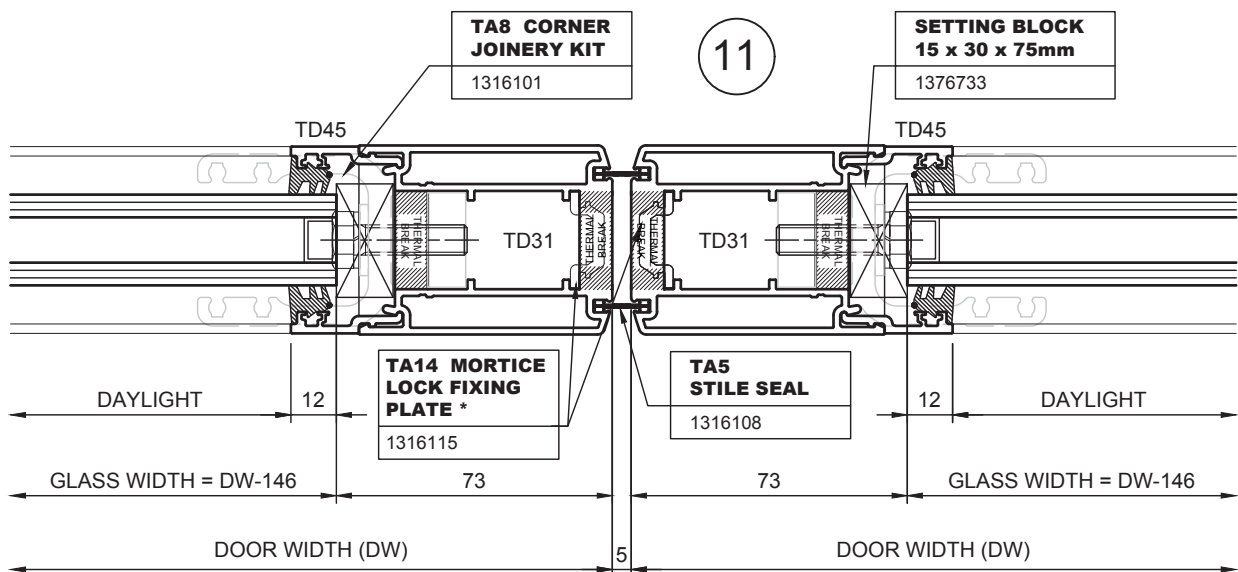
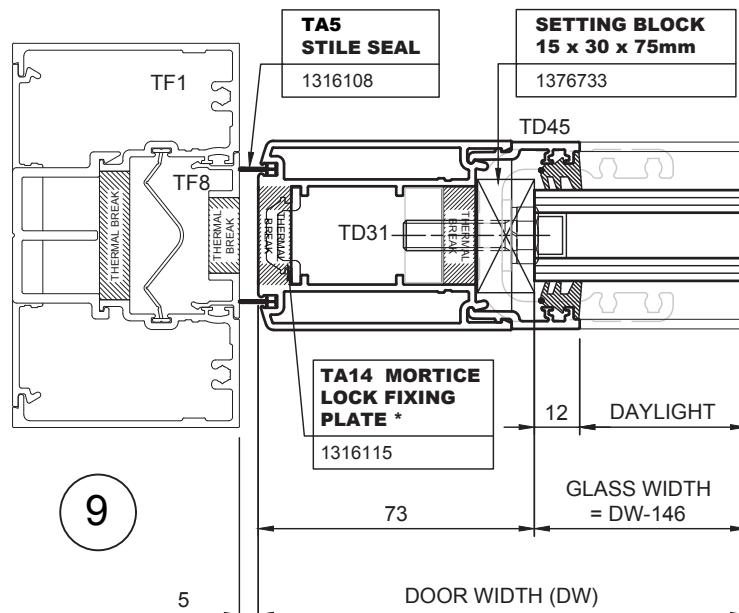
Transom Detail at Pivot Door Head

REFER 101.6mm ThermAFrame CENTRE POCKET FRAMING
TECHNICAL MANUAL FOR FULL FRAMING DETAILS



8. Typical Details

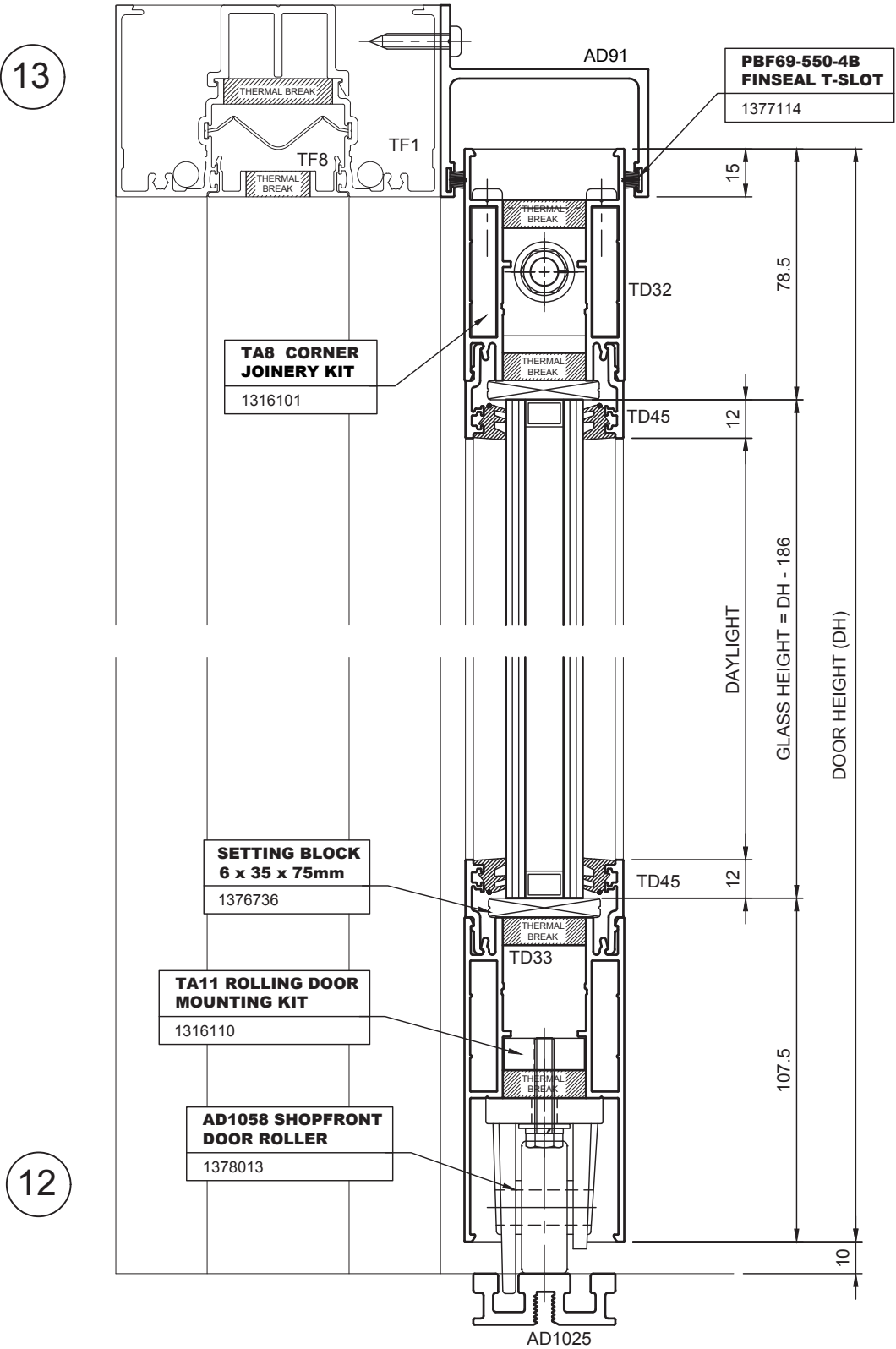
Pivot Door Jamb & Meeting Stile Details



* REFER MANUFACTURING DRAWINGS FOR LOCK MACHINING
AND TA14 MORTICE LOCK FIXING PLATE FIXING DETAILS

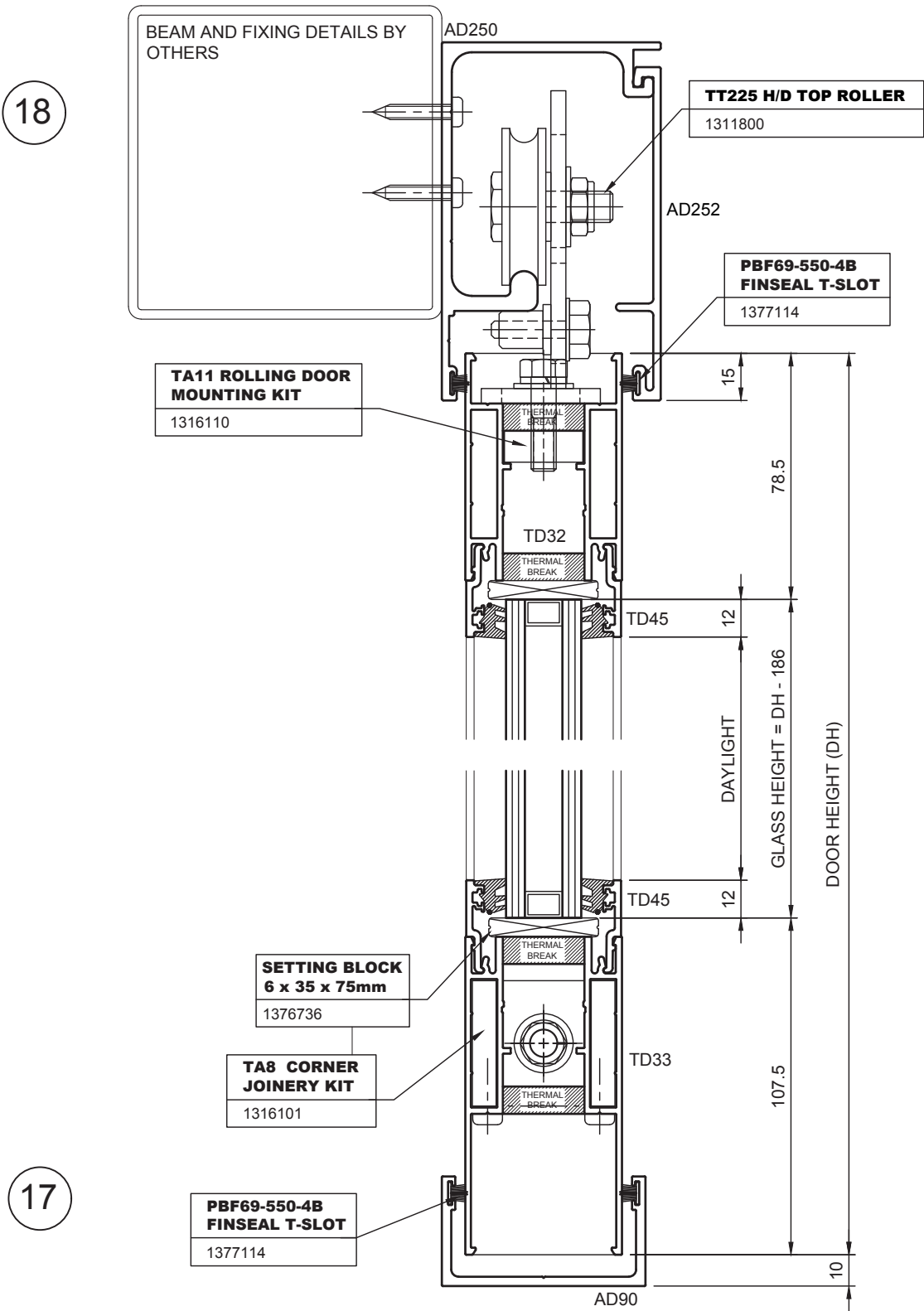
8. Typical Details

Bottom Rolling Door - Top and Bottom Door Rail Details



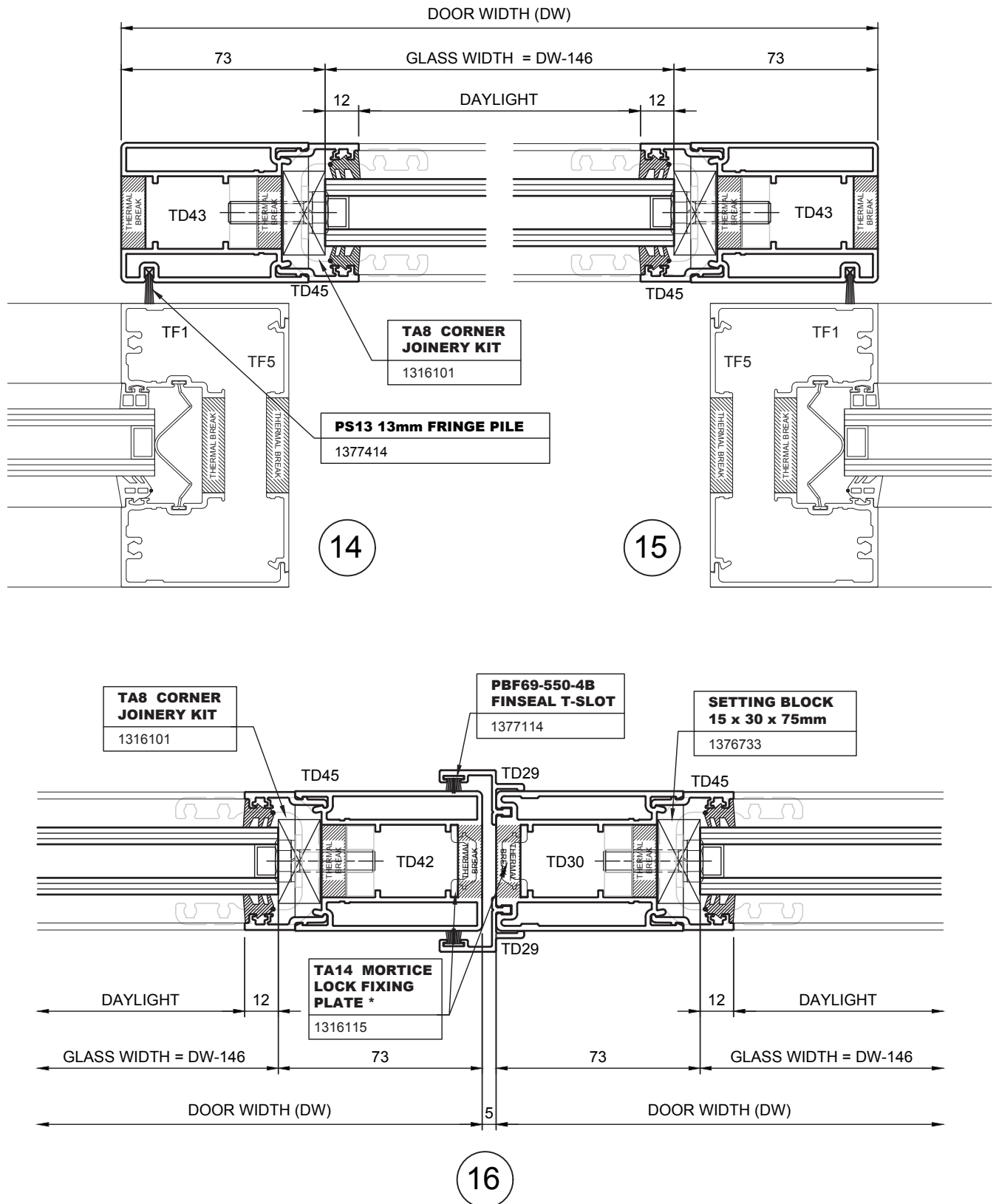
8. Typical Details

Top Hung Sliding - Top and Bottom Door Rail Details



8. Typical Details

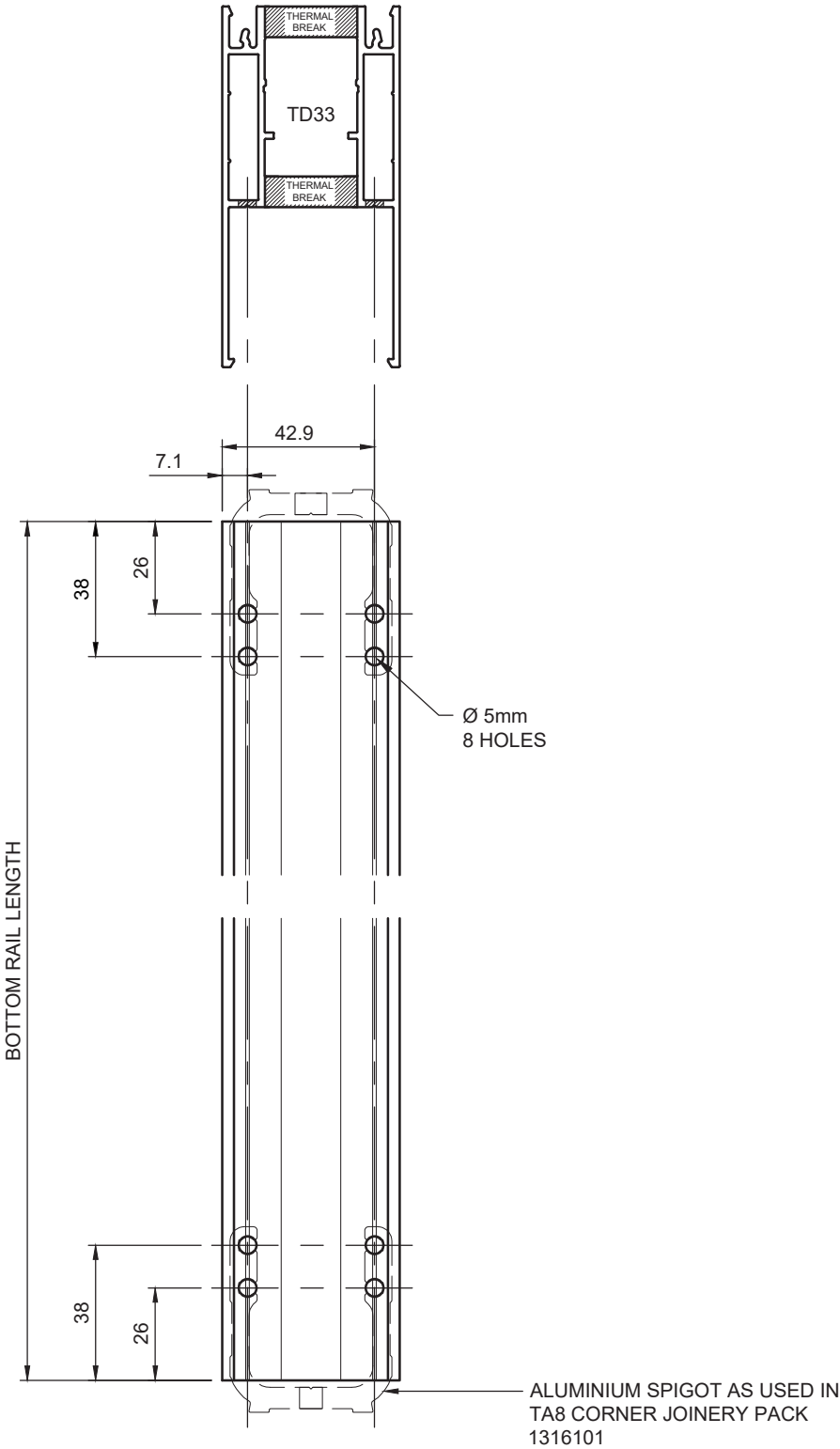
Top Track Sliding Door Detail



* REFER MANUFACTURING DRAWINGS FOR LOCK MACHINING
AND TA14 MORTICE LOCK FIXING PLATE FIXING DETAILS

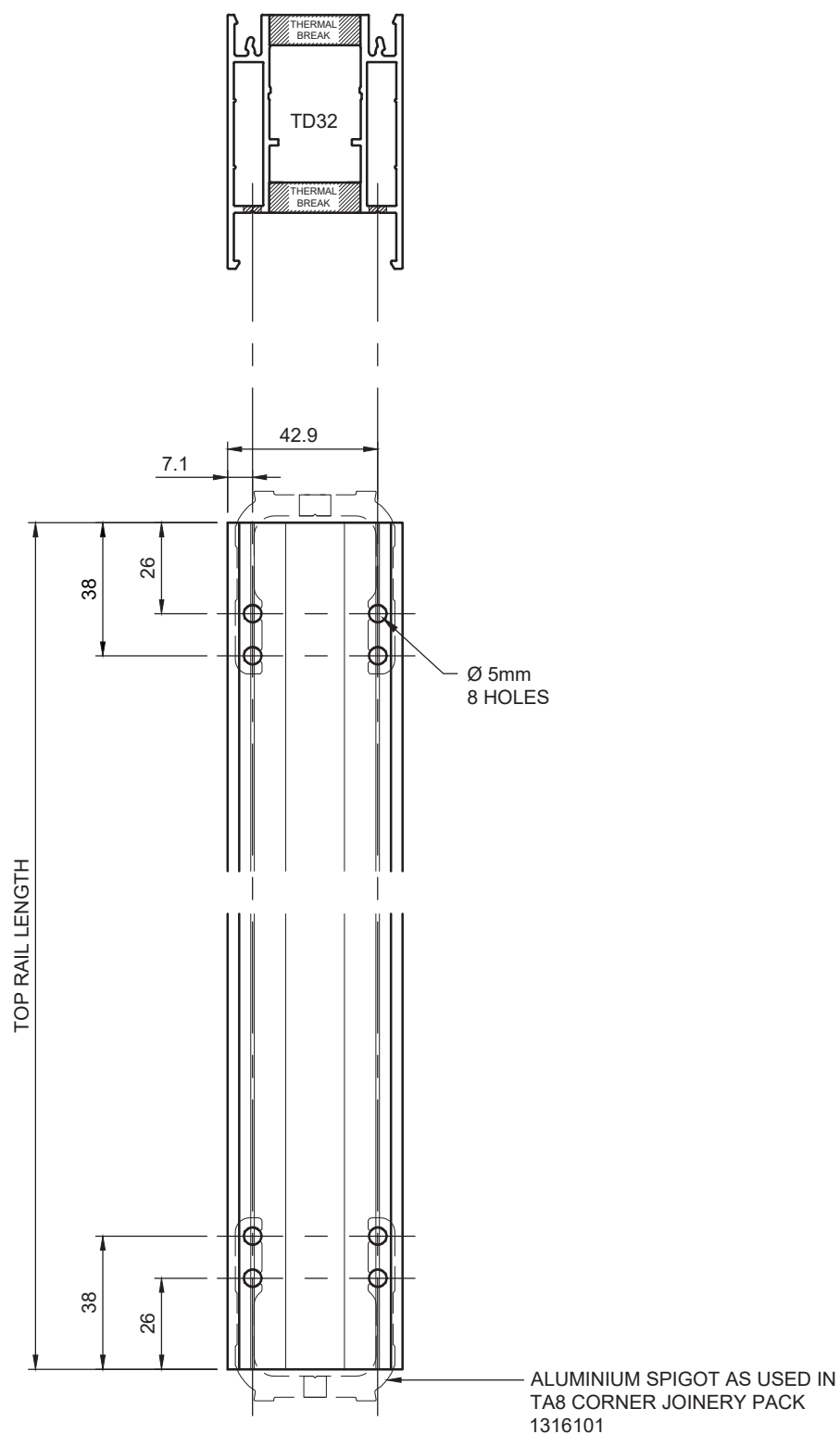
10. Manufacturing Details

Frame Preparation - Bottom Rail



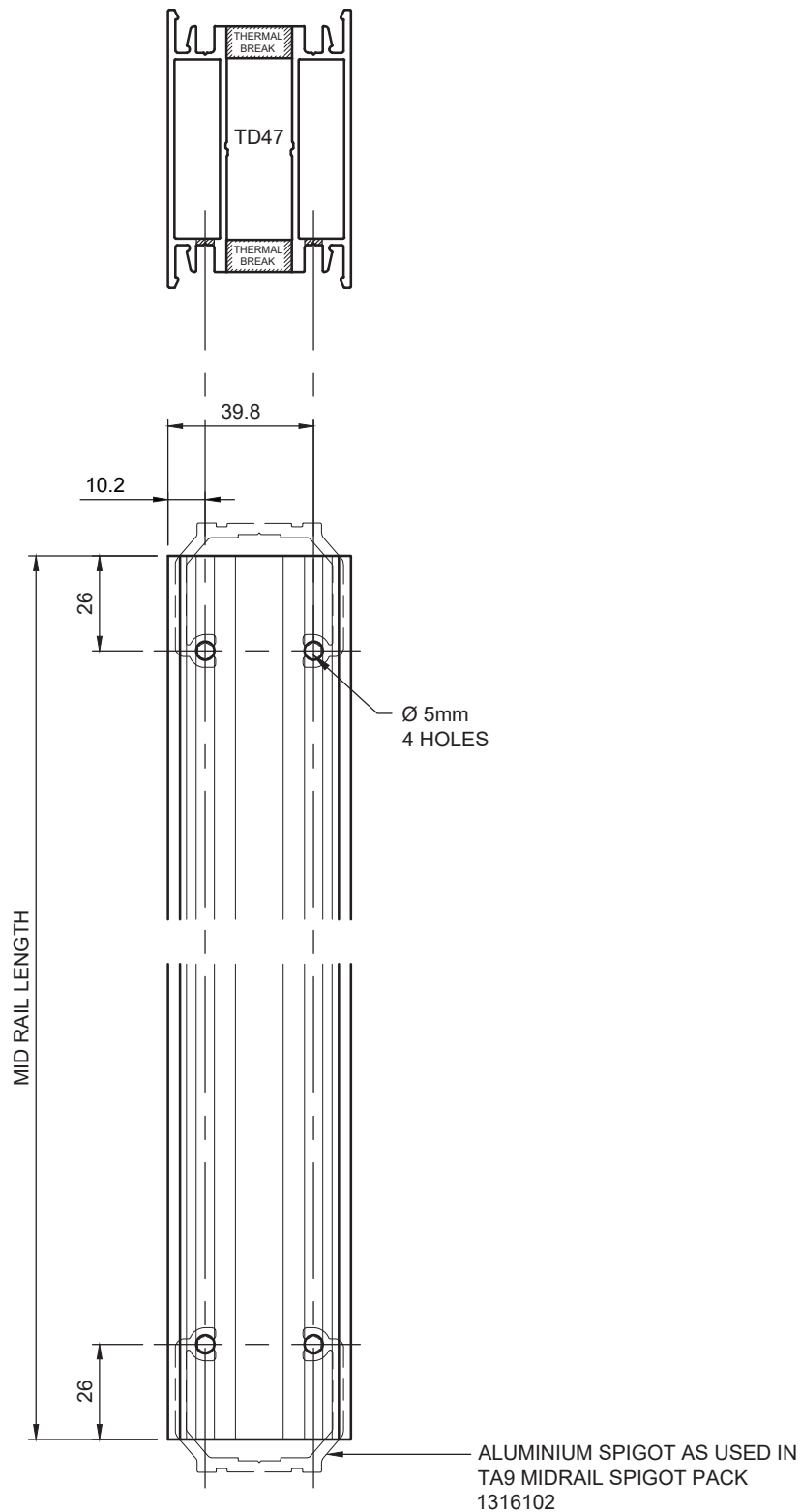
10. Manufacturing Details

Frame Preparation - Top Rail



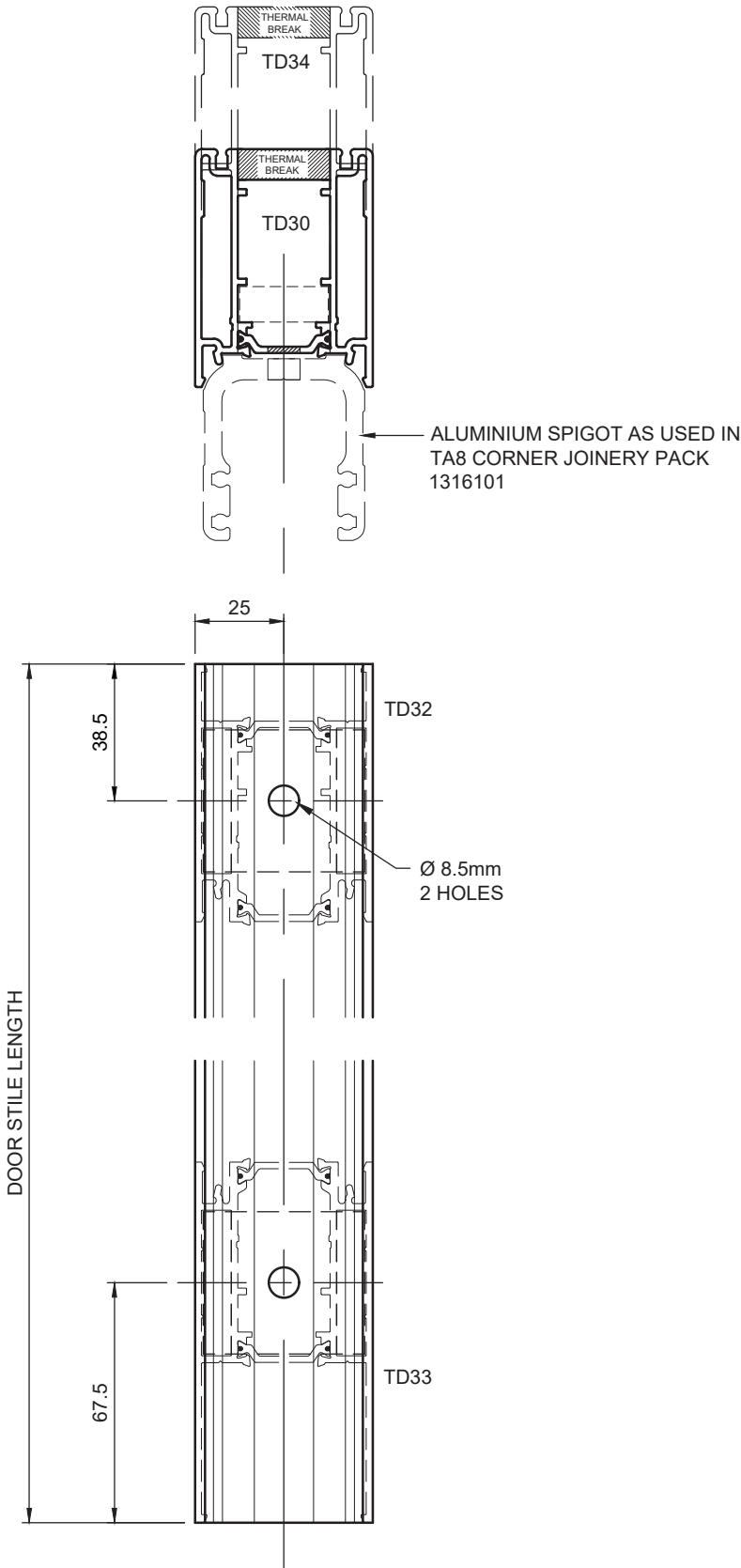
10. Manufacturing Details

Frame Preparation - Mid Rail



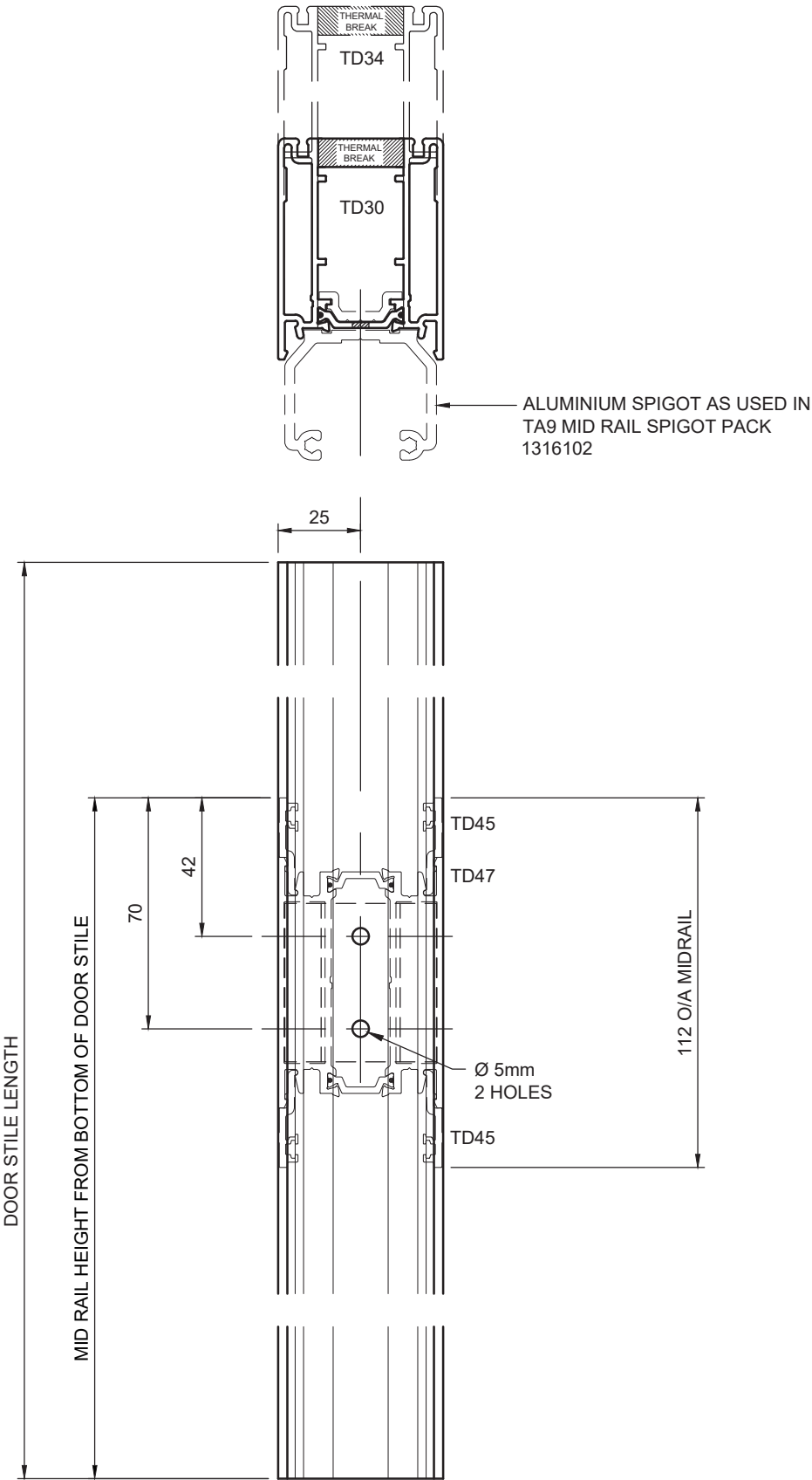
10. Manufacturing Details

Frame Preparation - Stile with Top and Bottom rail only



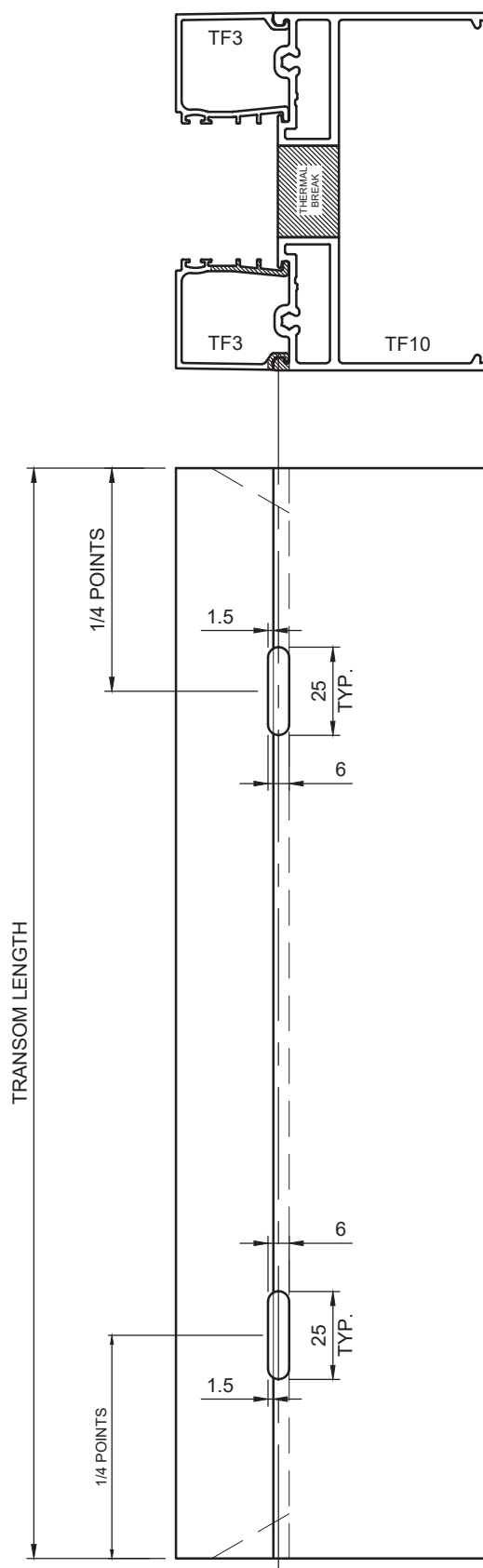
10. Manufacturing Details

Frame Preparation - Stile with Mid Rail

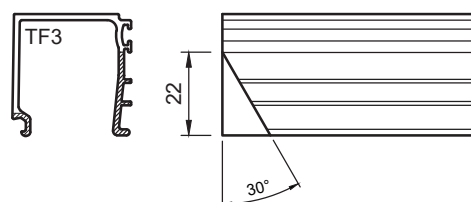


10. Manufacturing Details

Frame Prep - O/H Closer Transom and Bead Machining



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

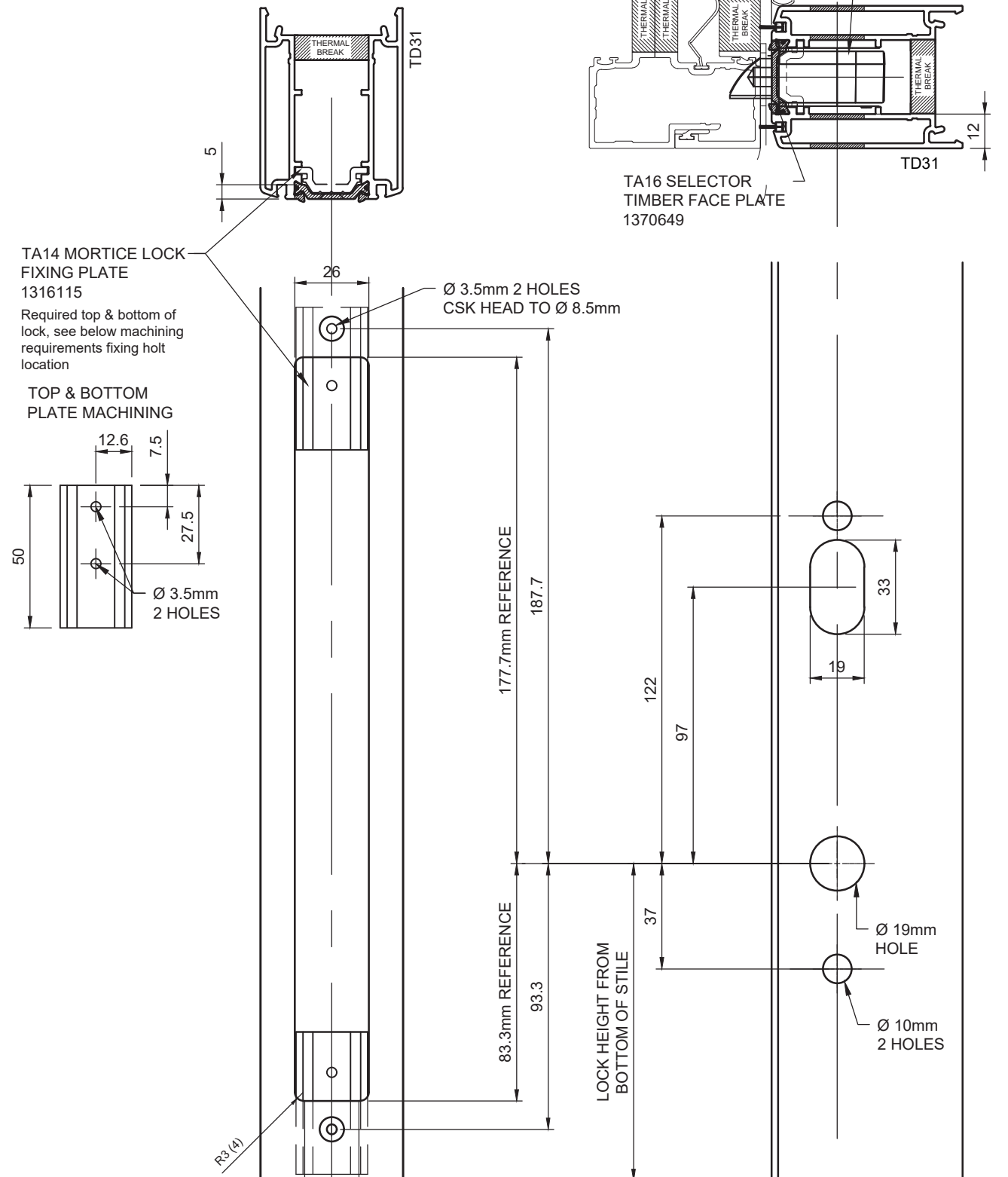


DRAINAGE CUT BACK
INSIDE LEG OF BEAD ONLY
- BOTH ENDS AS ABOVE

10. Manufacturing Details

Lock Stile Preparation (Hinged) - ASSA 3782 / 5782 & TA14 Prep

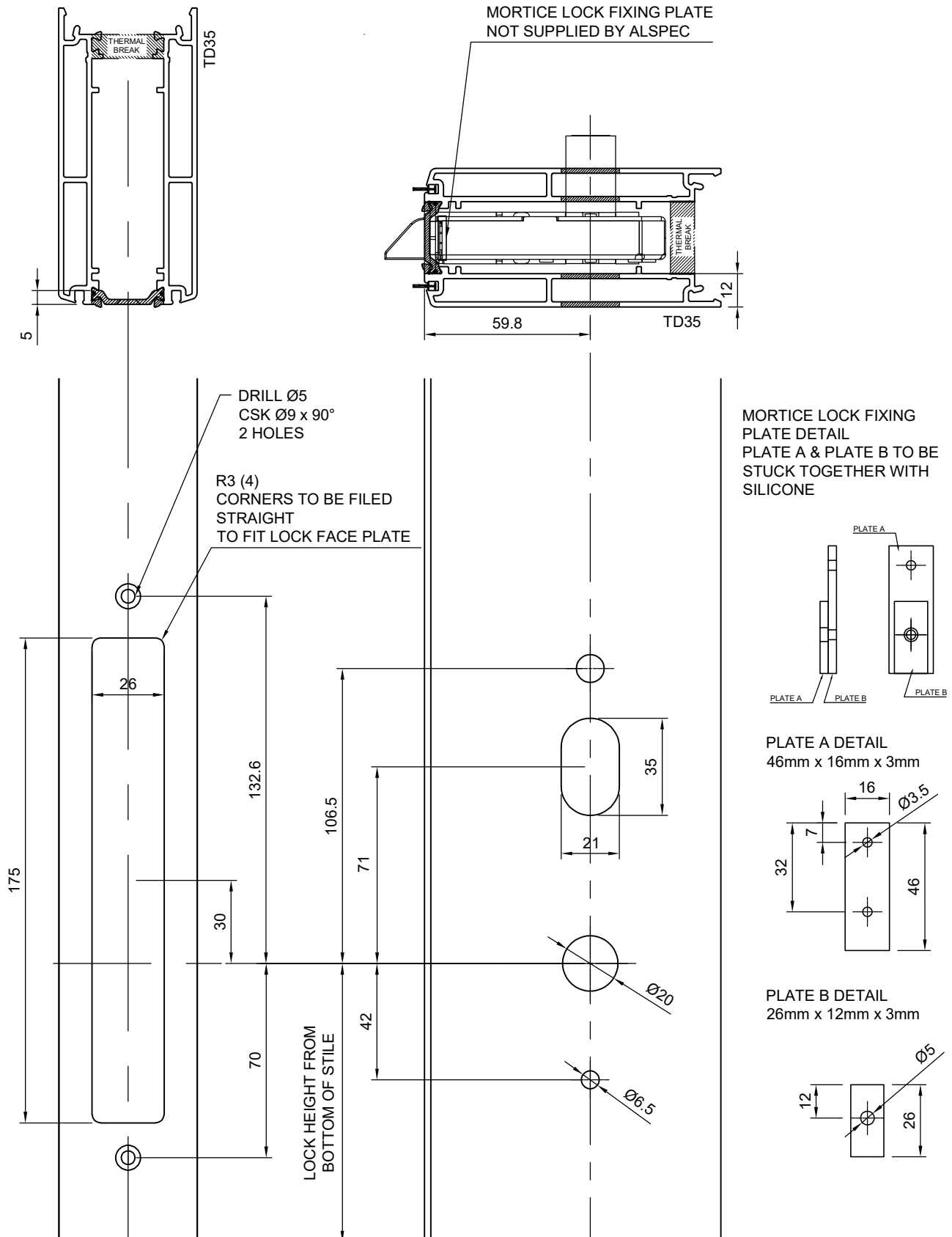
MORTICE LOCK	
LOCK	BACKSET (mm)
ASSA 3782	23
ASSA 5782	30



10. Manufacturing Details

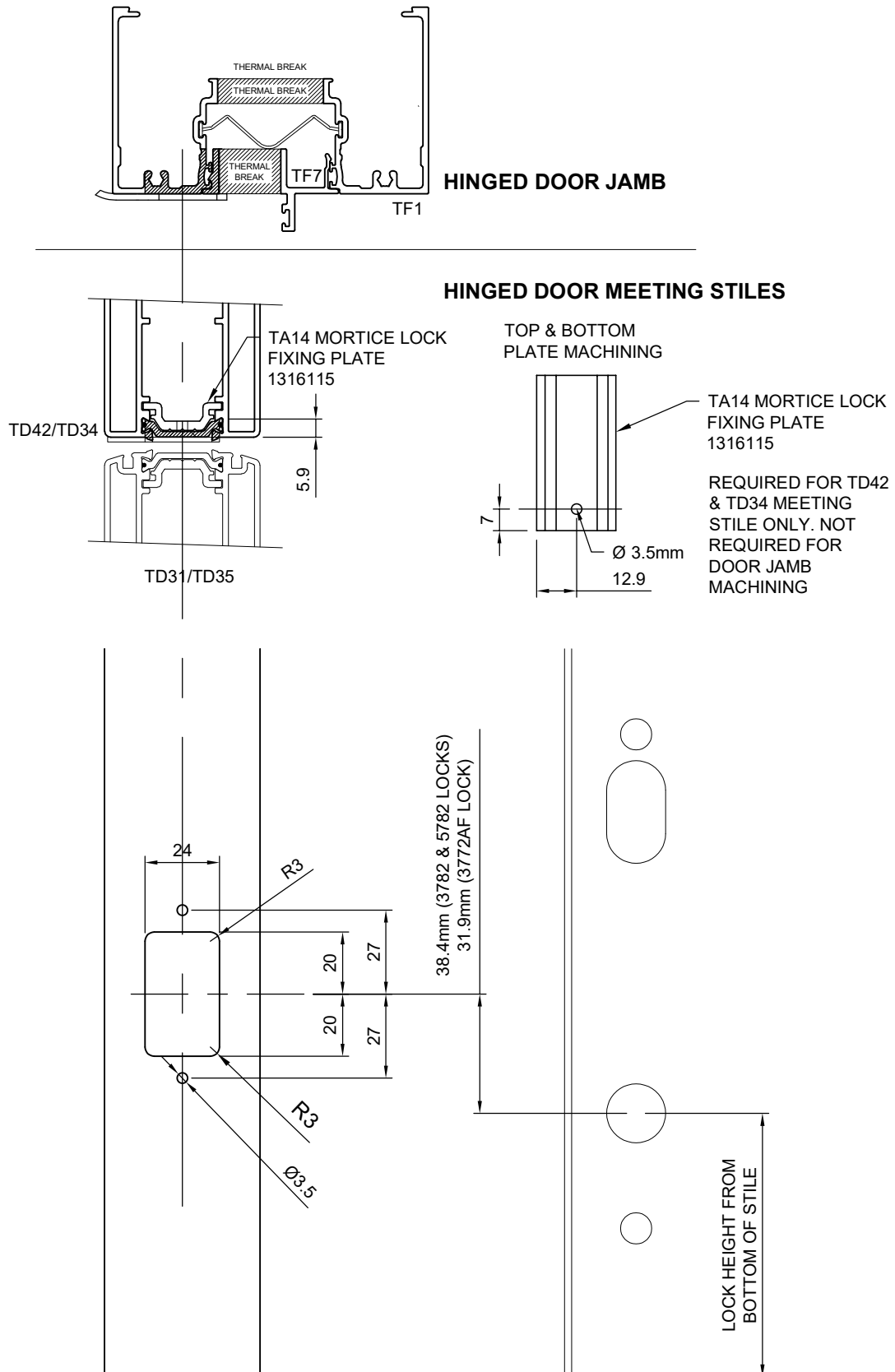
Lock Stile Preparation (Hinged) - Lockwood 3772 Selector Series Mortice Lock

LOCK STILE - 60mm BACKSET



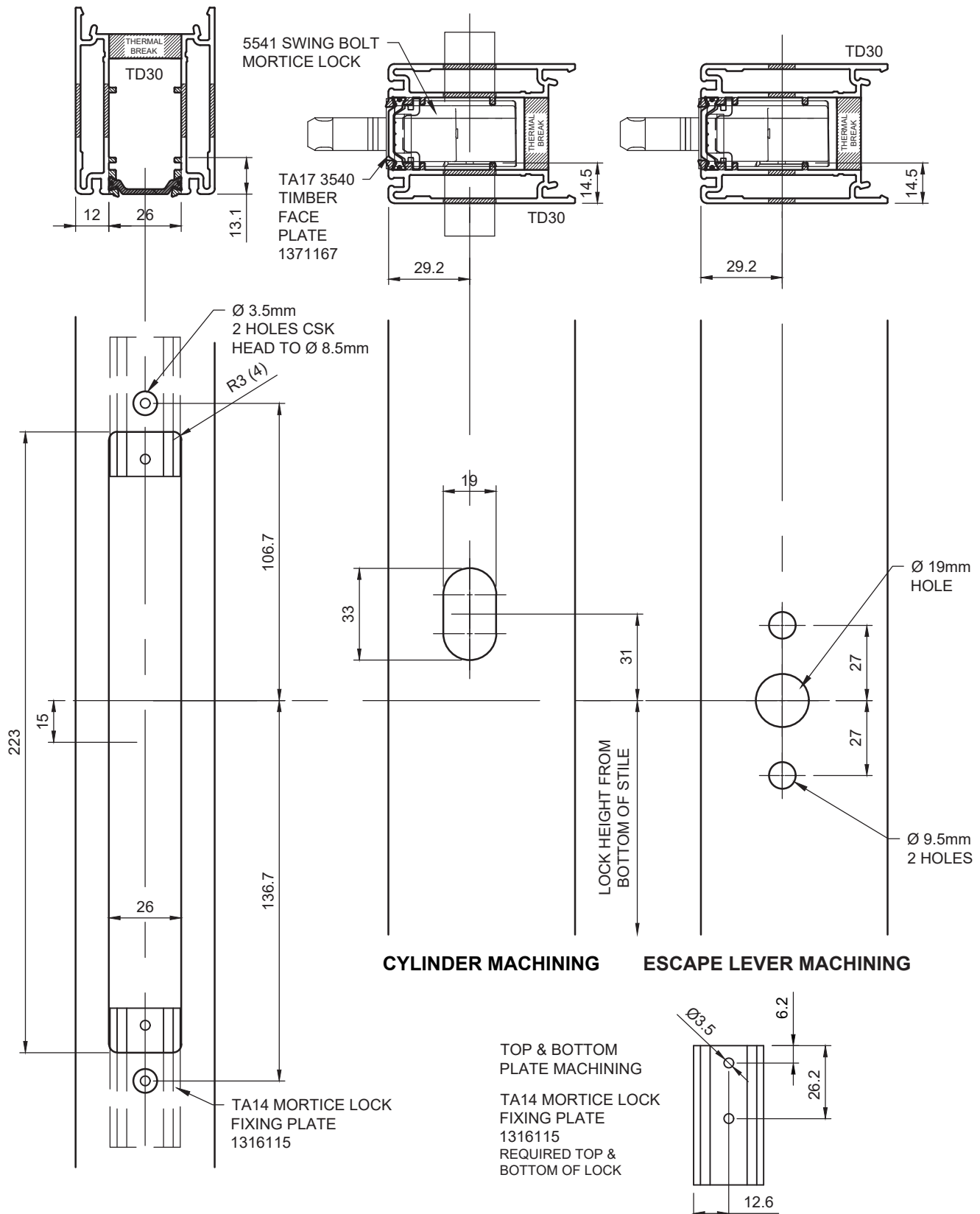
10. Manufacturing Details

Jamb Strike Preparation (Hinged) - 3782 / 5782 / 3772 Mortice Locks & TA14 Prep



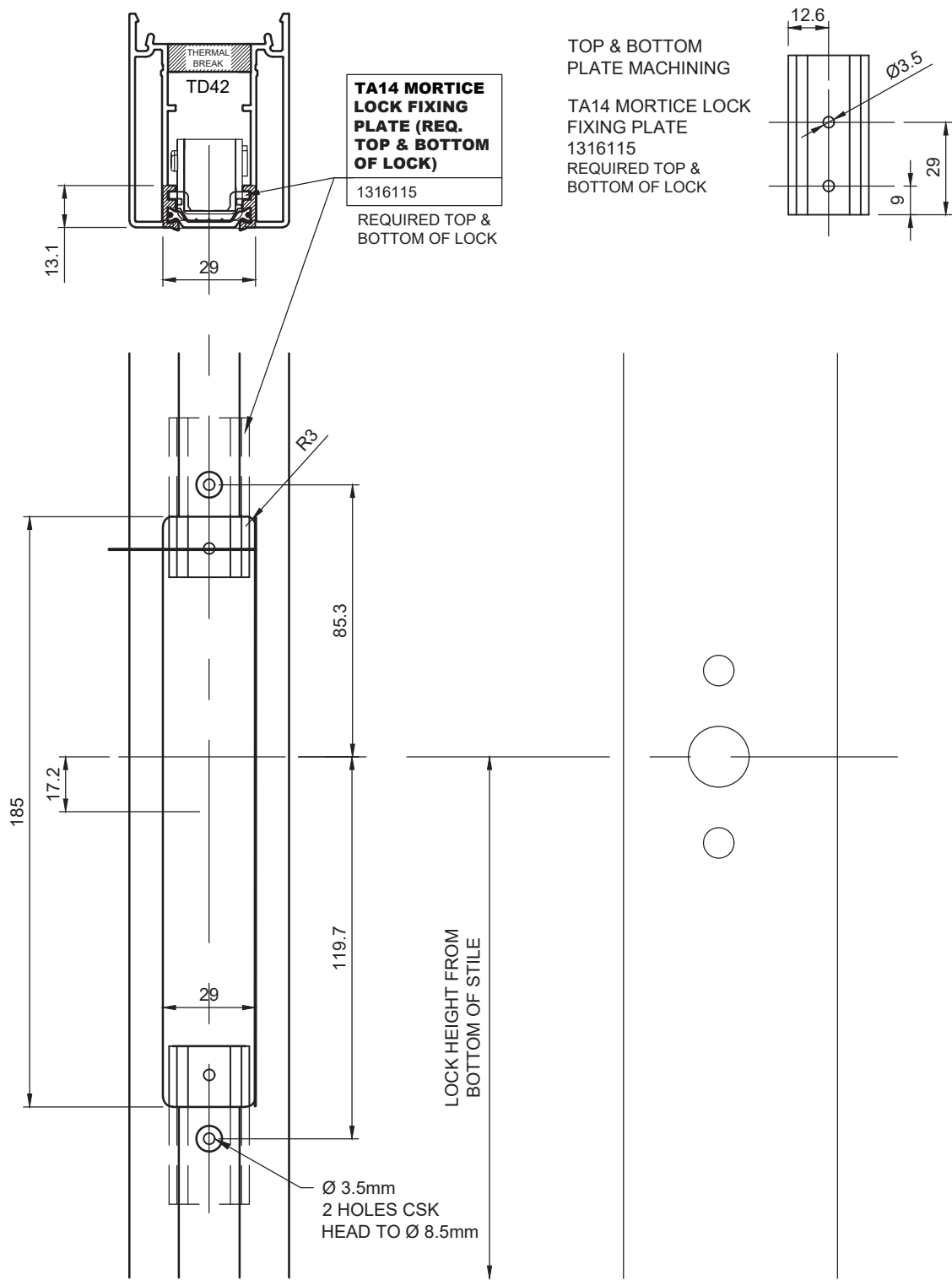
10. Manufacturing Details

Lock Stile Preparation (Sliding) - ASSA 5541 (30mm Backset Swing Bolt) & TA14 Prep



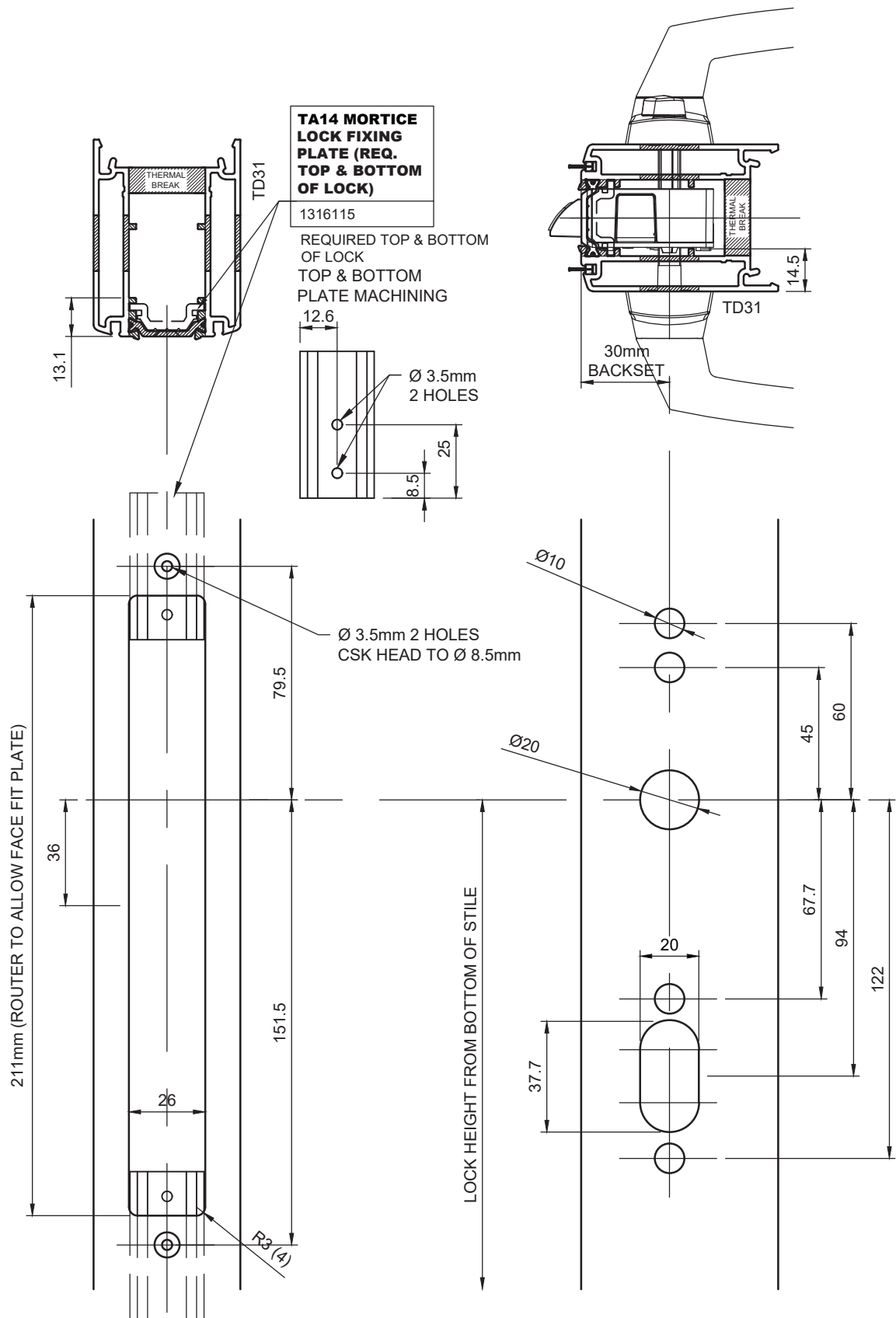
10. Manufacturing Details

Sliding Strike & TA14 Fixing Plate Prep. ASSA 5541



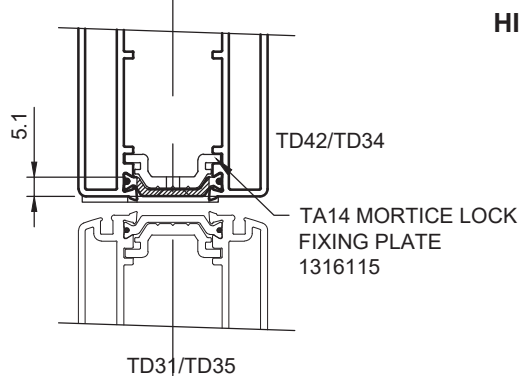
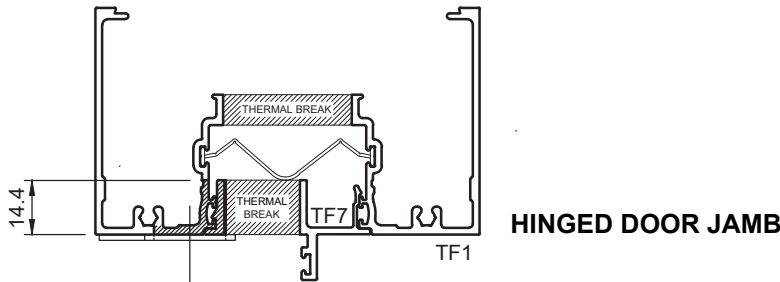
10. Manufacturing Details

Lock Stile Preparation (Hinged) - ASSA Killara Optimum & TA14 Prep

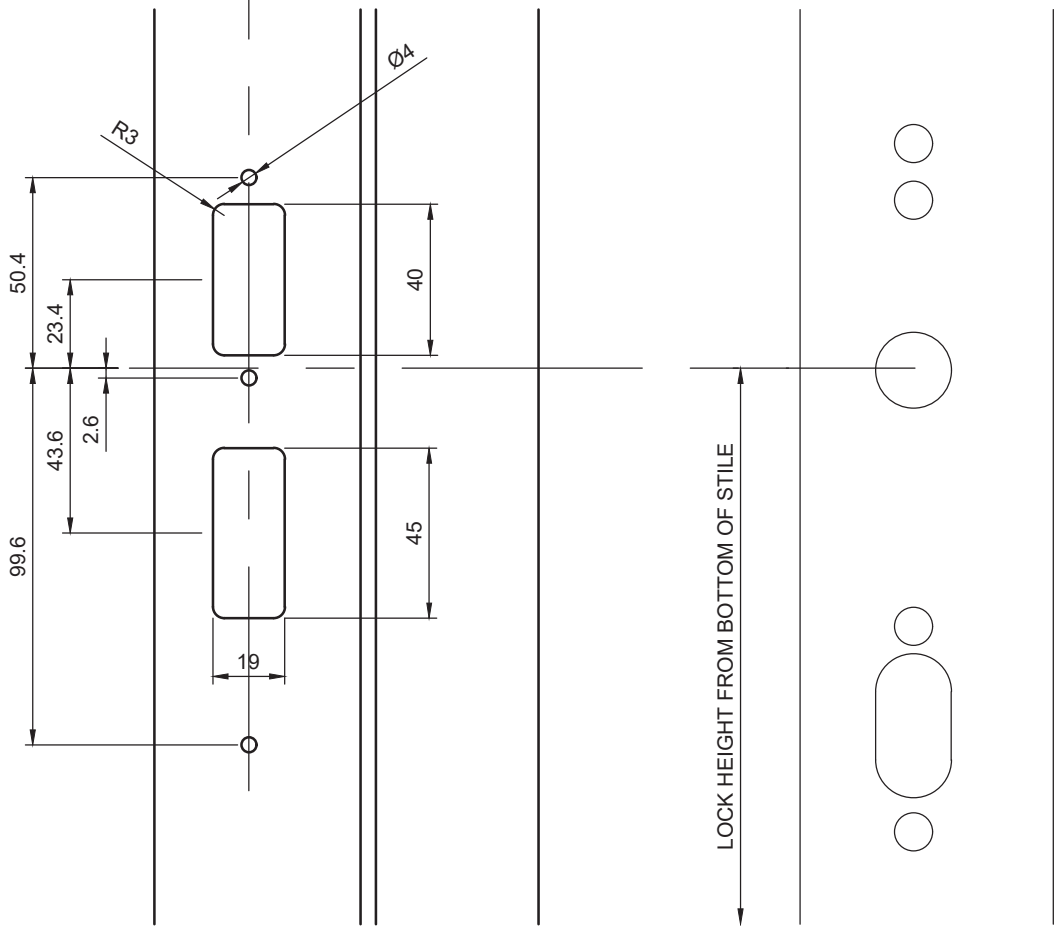
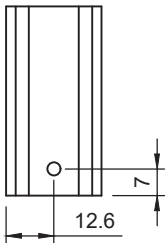


10. Manufacturing Details

Jamb Strike Preparation (Hinged OPS001 Strike) - ASSA Optimum/Killara Handles & TA14 Prep

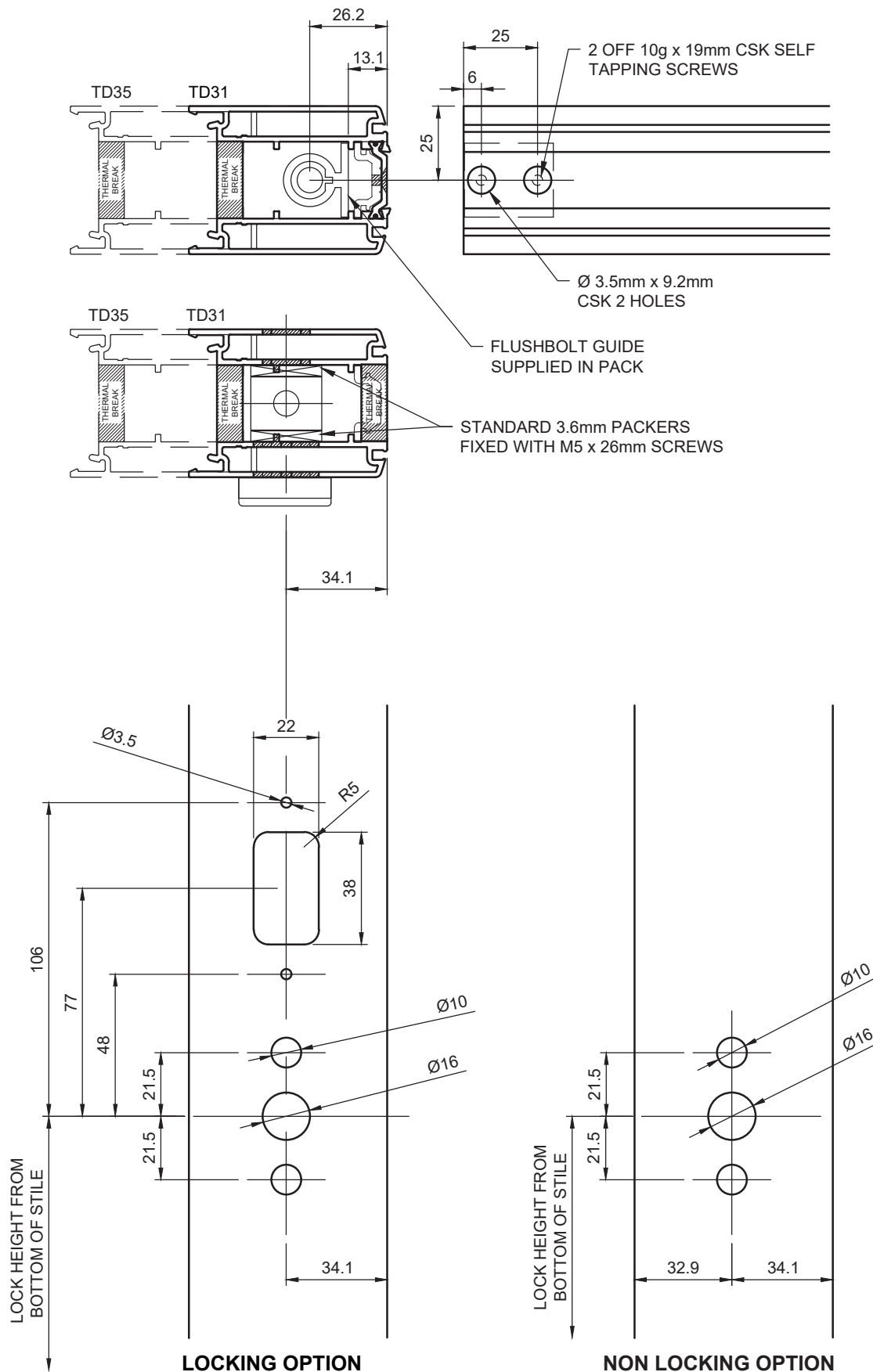


TOP & BOTTOM
PLATE MACHINING
TA14 MORTICE LOCK
FIXING PLATE
1316115
REQUIRED FOR TD42 & TD34
MEETING STILE ONLY. NOT
REQUIRED FOR DOOR JAMB
MACHINING



10. Manufacturing Details

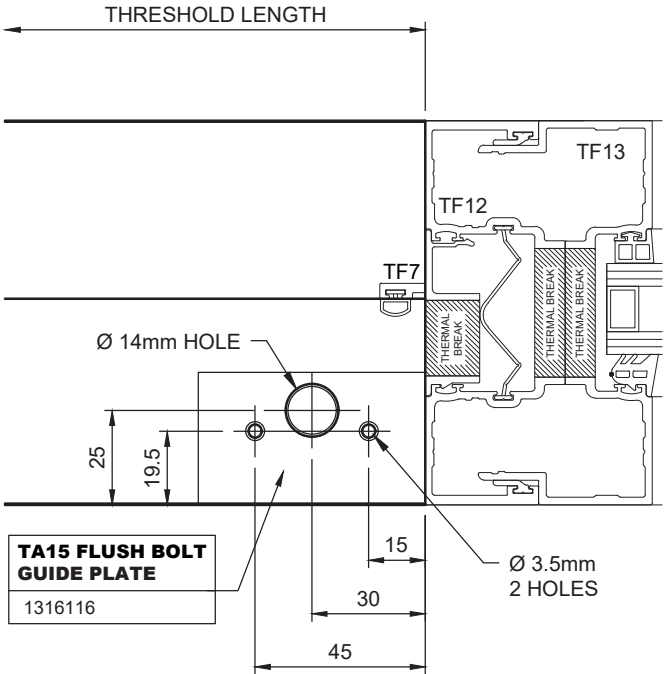
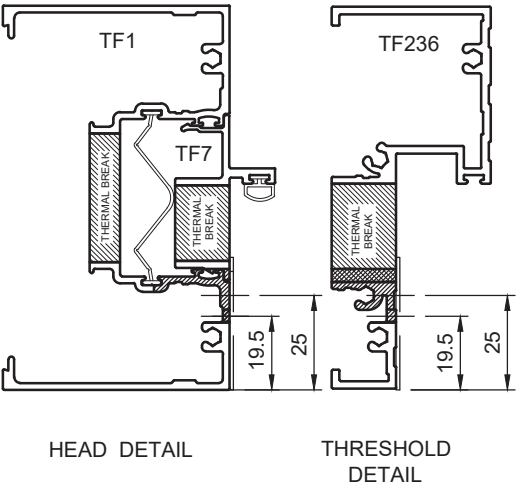
Killara Twin Bolt Flushbolt Preparations



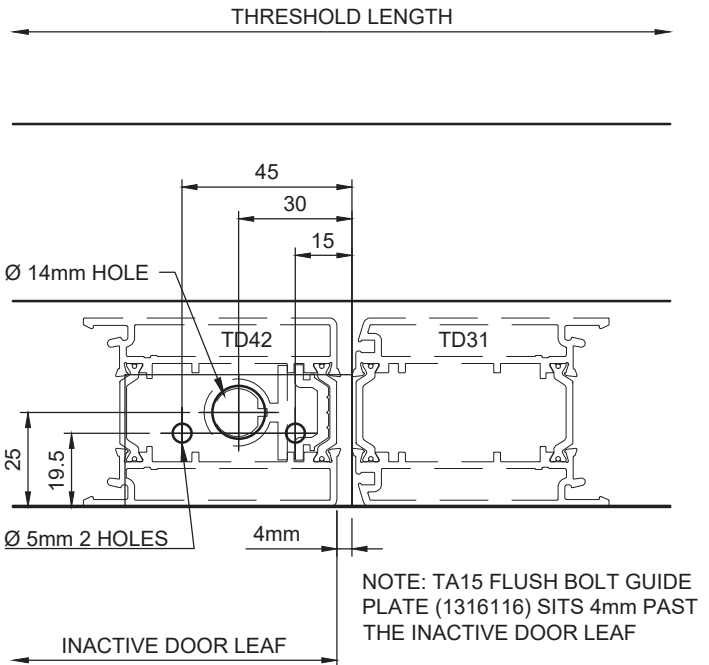
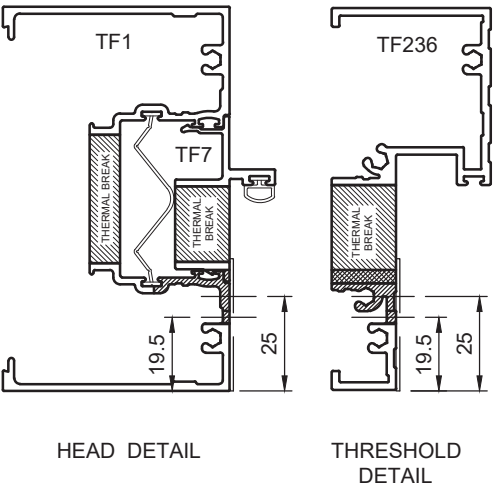
10. Manufacturing Details

Killara Flushbolt Plate Preparation - Single & Double Door

SINGLE DOOR

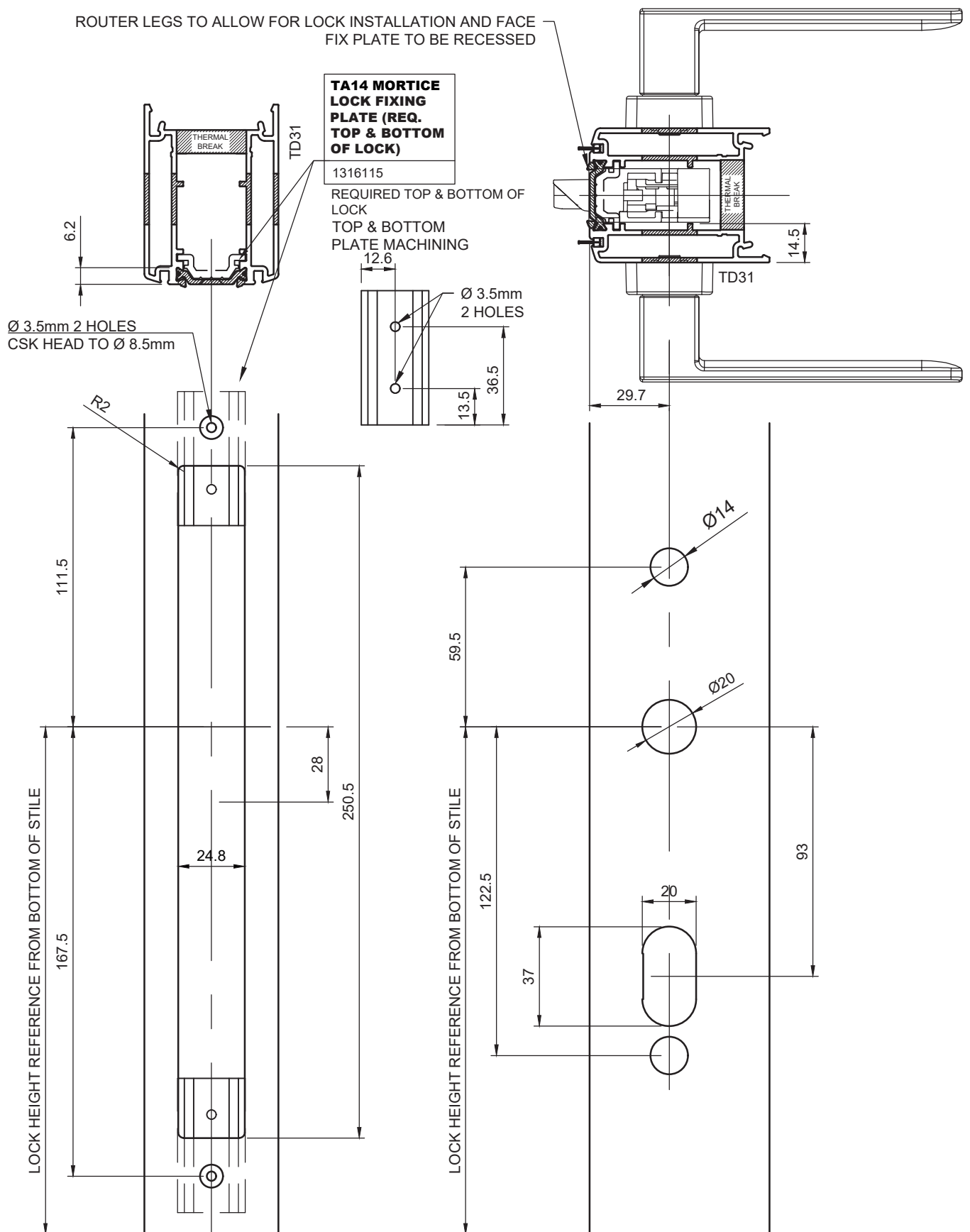


DOUBLE DOOR



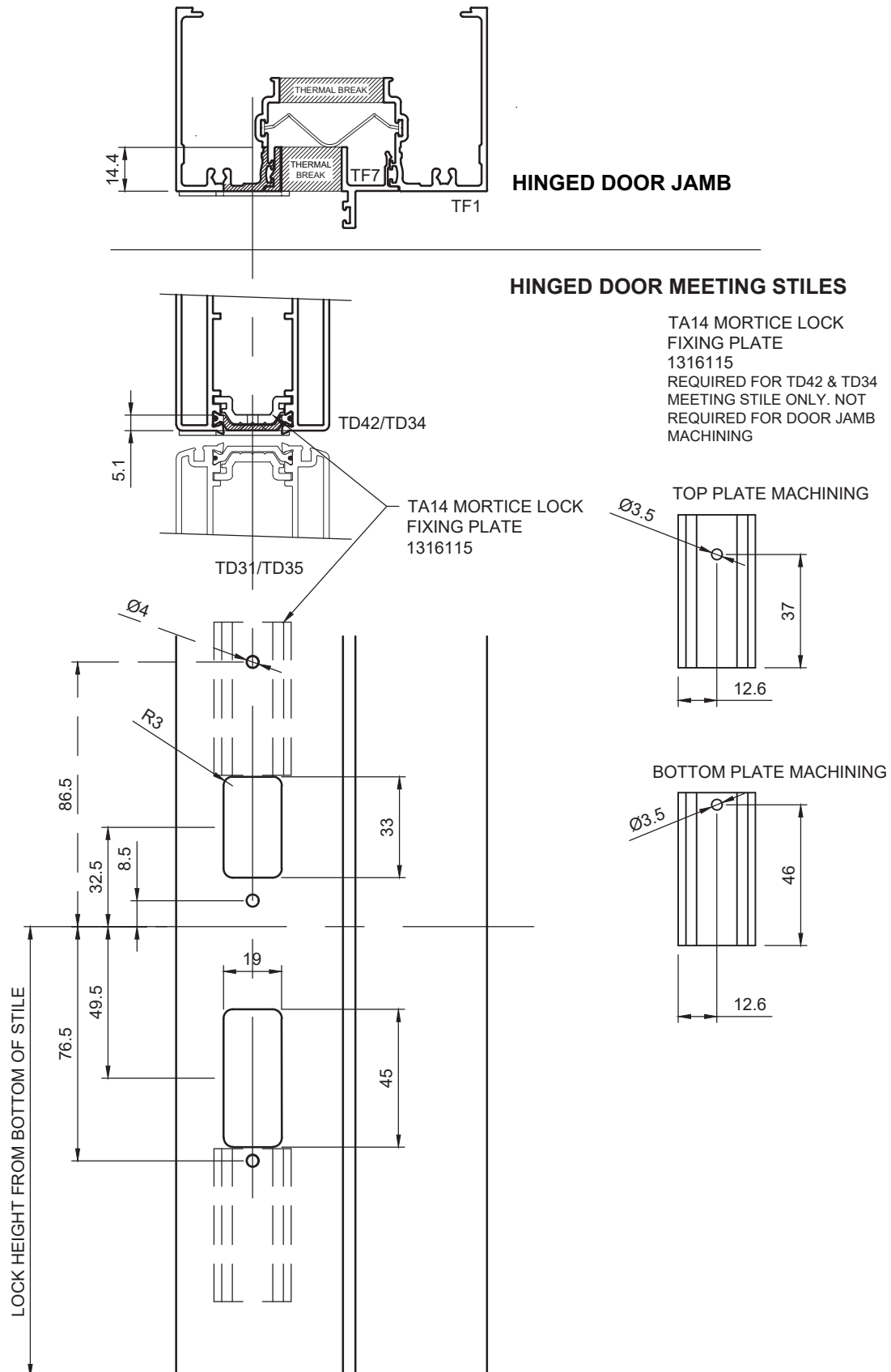
10. Manufacturing Details

Lock Stile Preparation (Hinged) - Verta Hinge Door Lock & TA14 Prep



10. Manufacturing Details

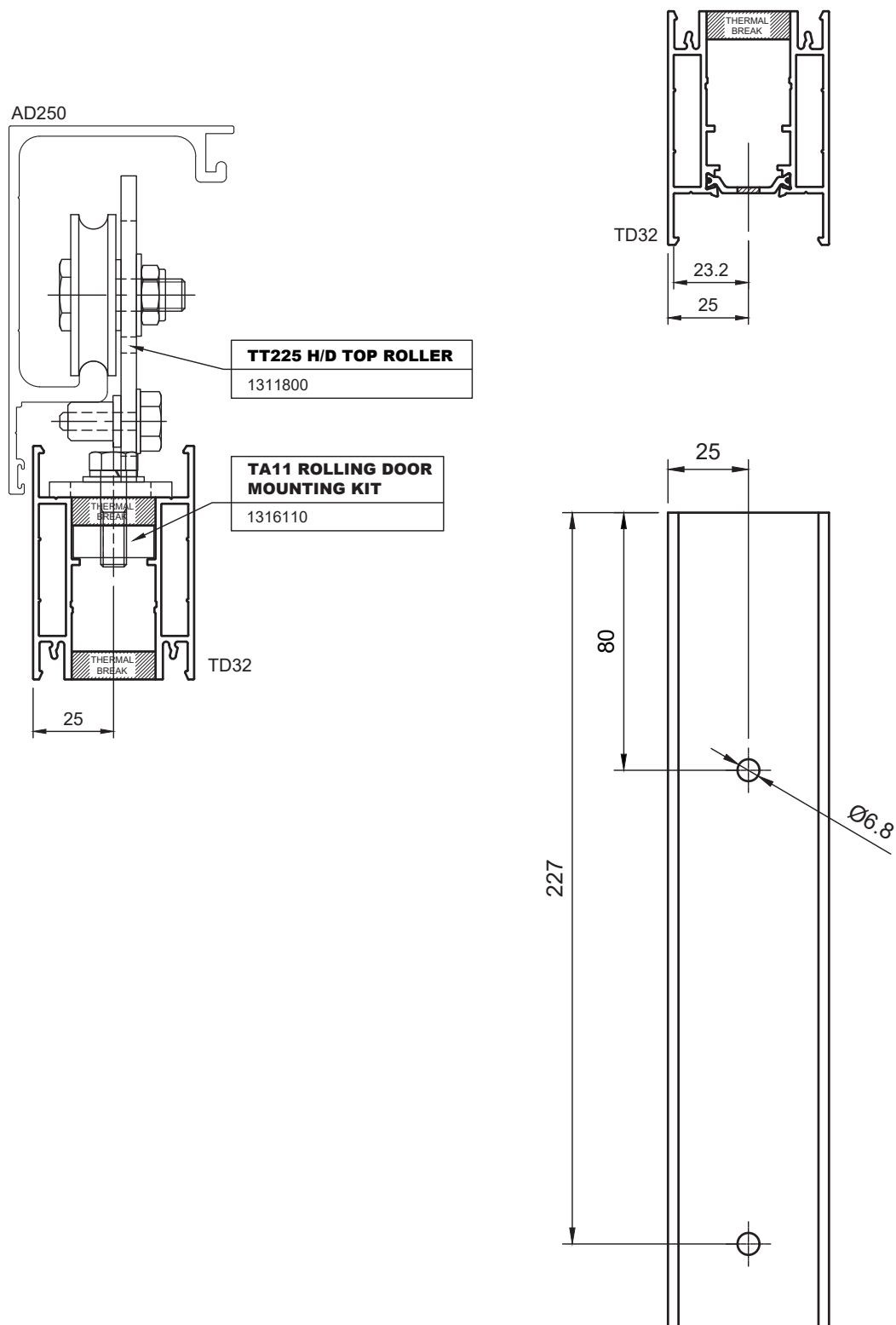
Jamb Strike Preparation (Hinged) - Verta Hinge Door Lock & TA14 Prep



10. Manufacturing Details

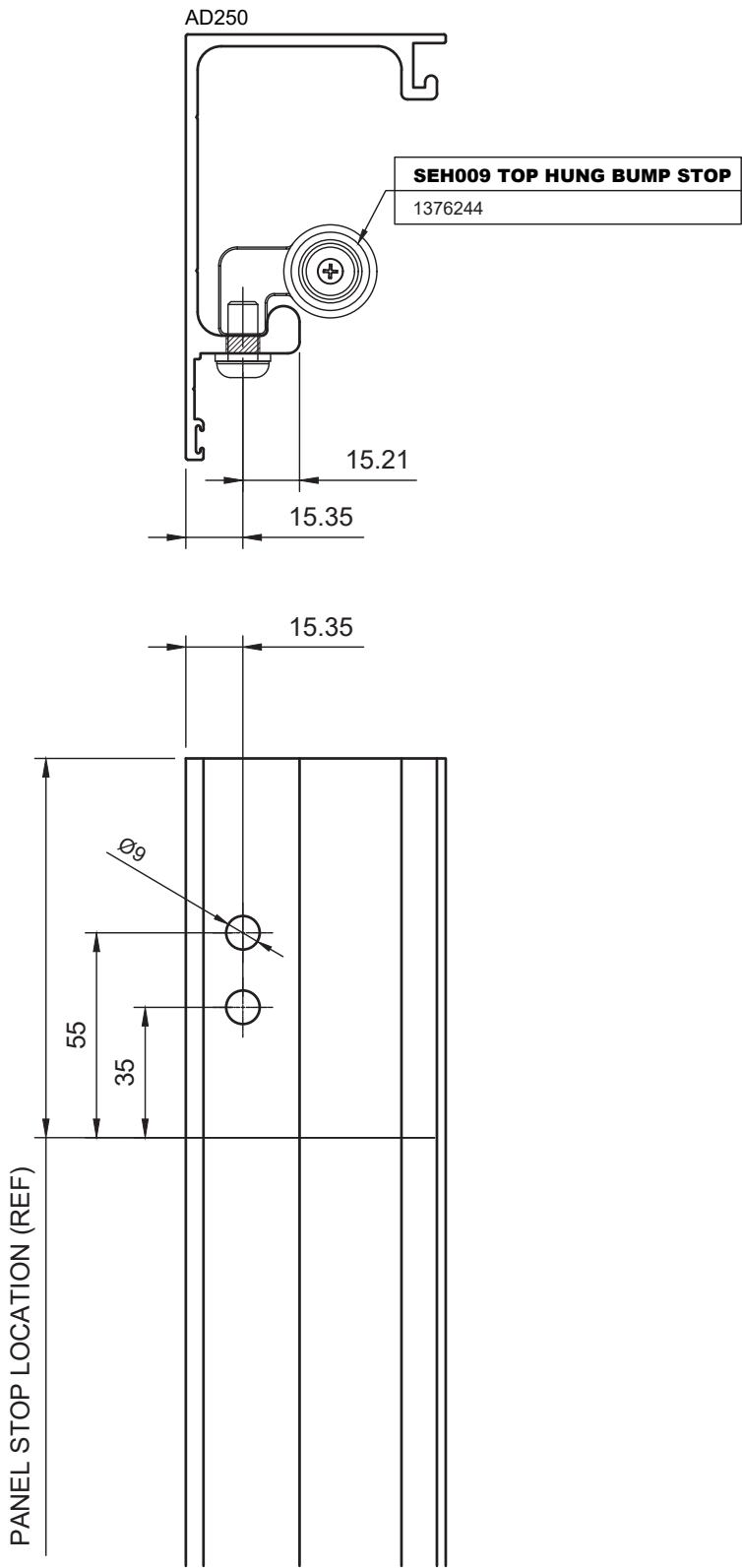
TT225 HD Top Track Roller Machining

MAX WEIGHT: 272kg PER PANEL



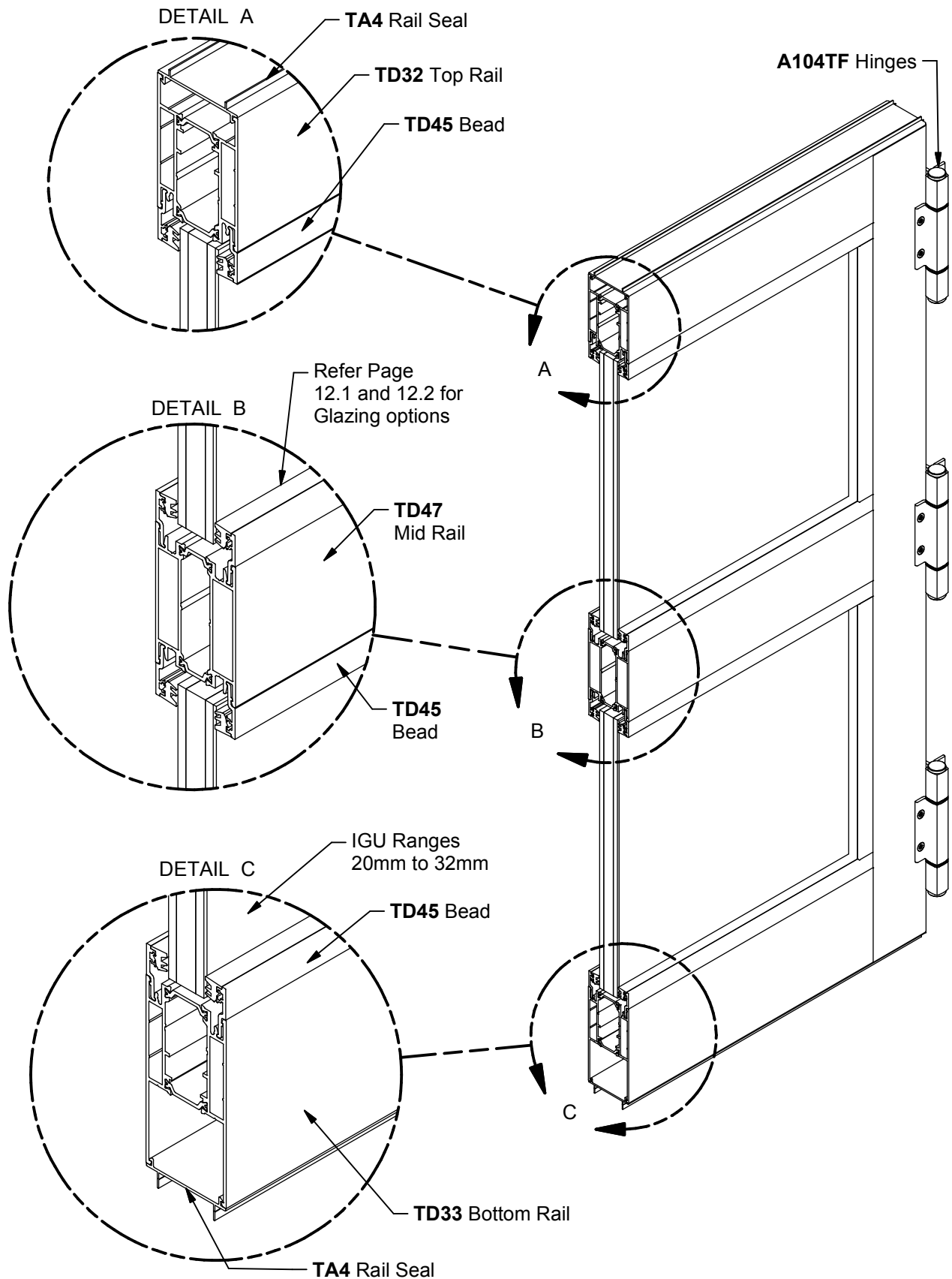
10. Manufacturing Details

SEH008 Bump Stop Machining



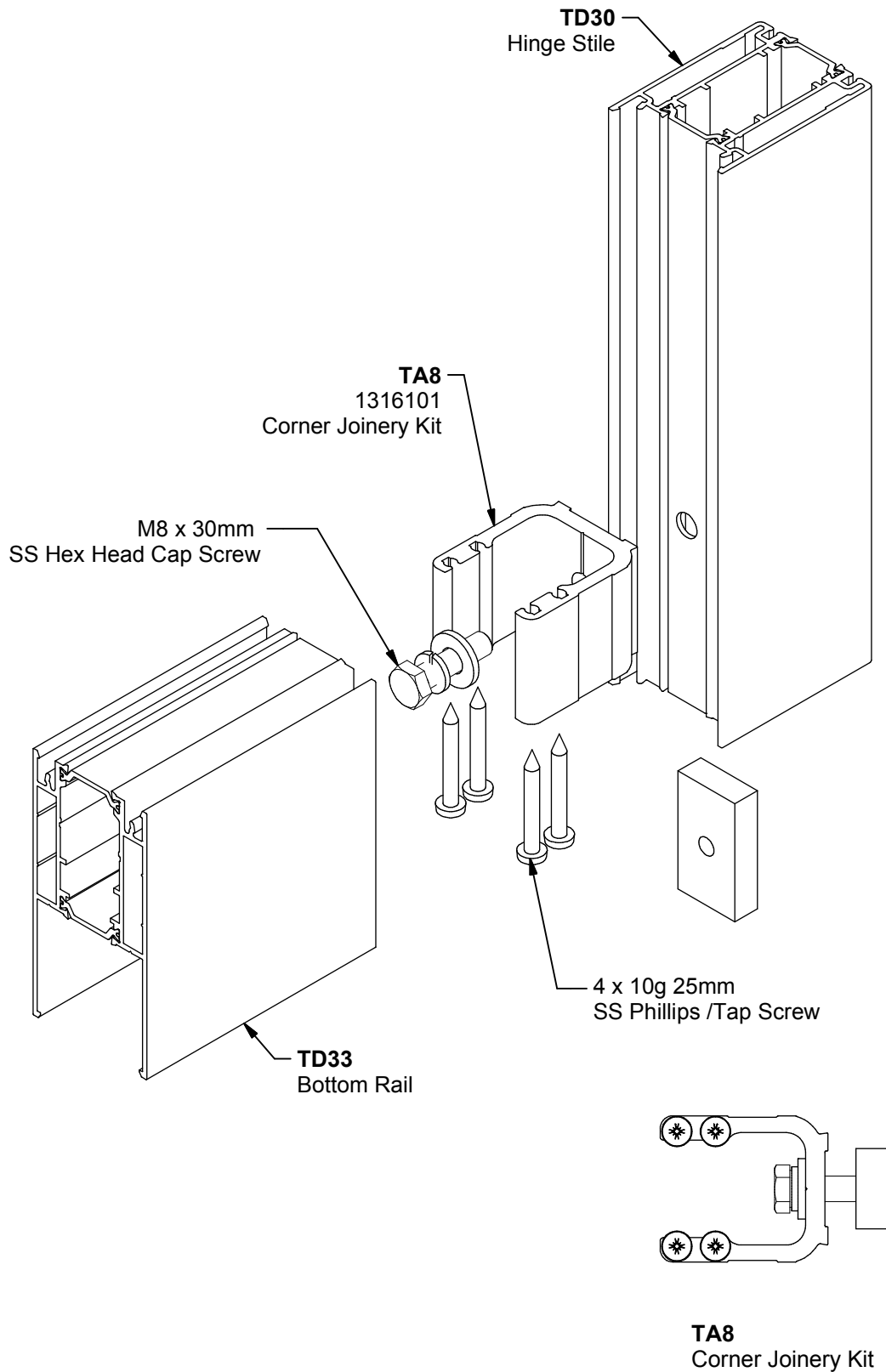
11. Assembly Details

50mm Commercial Door



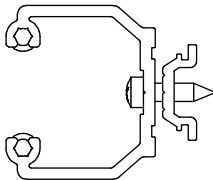
11. Assembly Details

Door Panel Corner Assembly Details

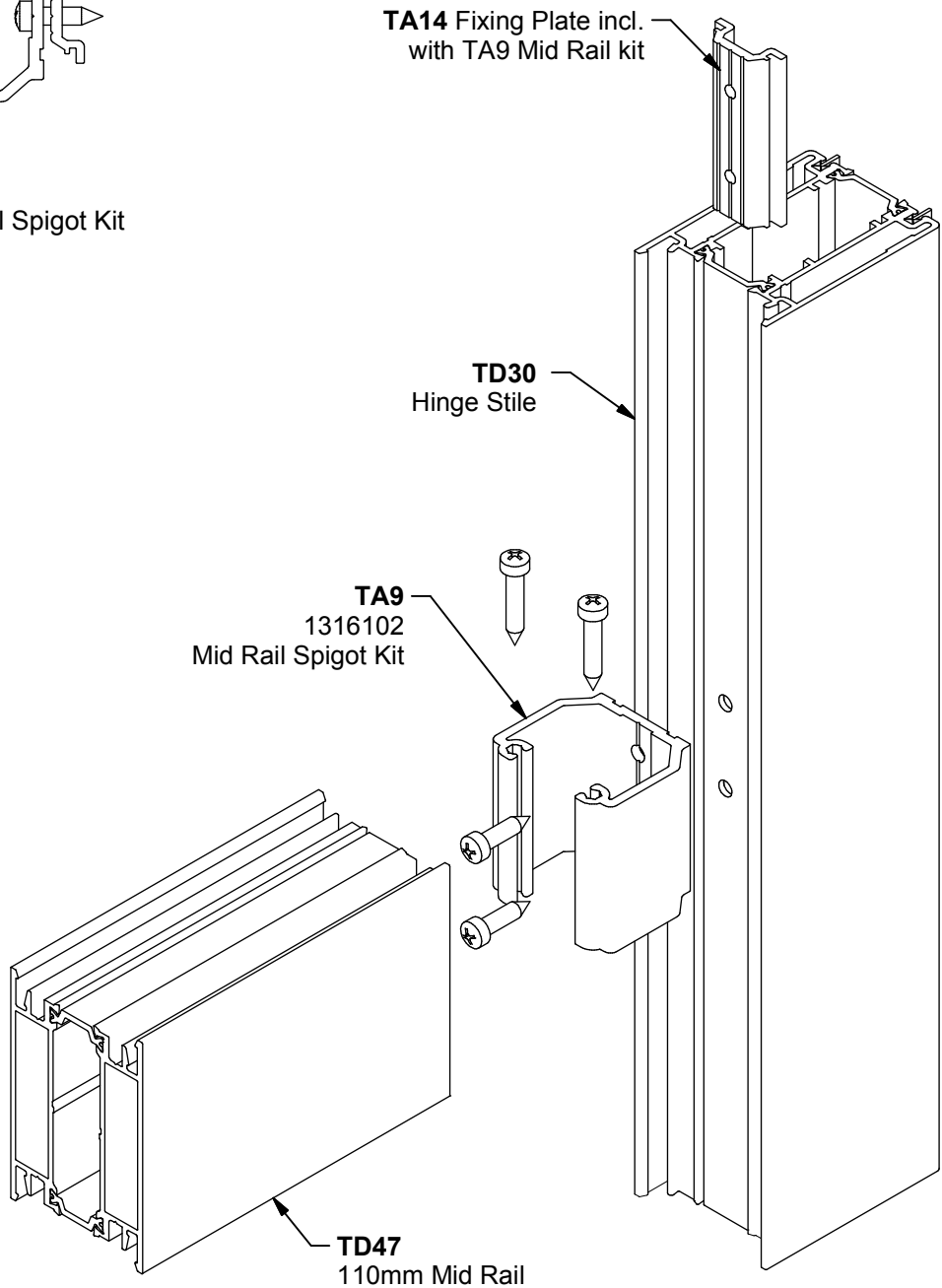


11. Assembly Details

Midrail Assembly Detail

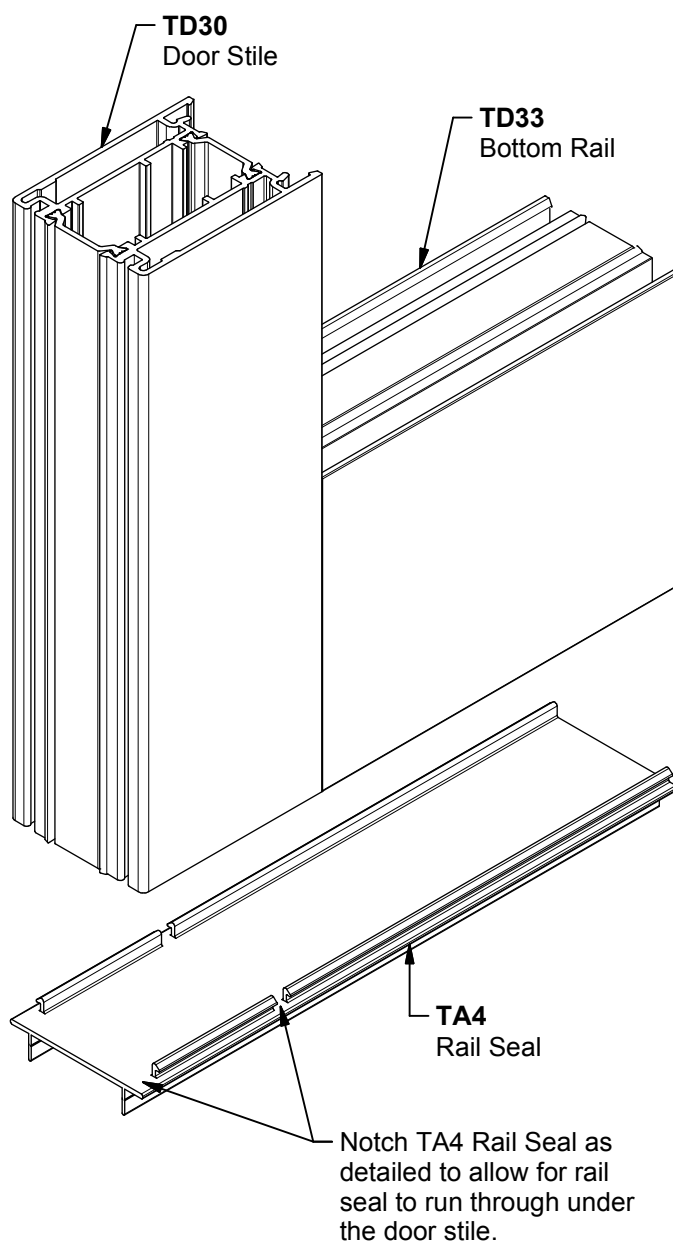
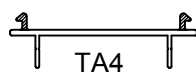
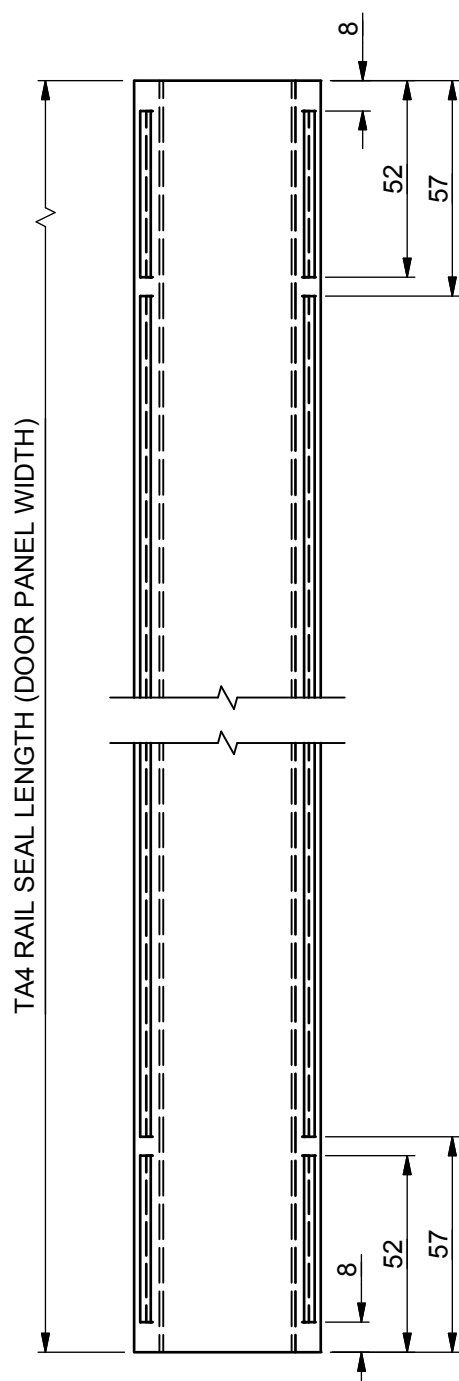


TA9
Mid Rail Spigot Kit



11. Assembly Details

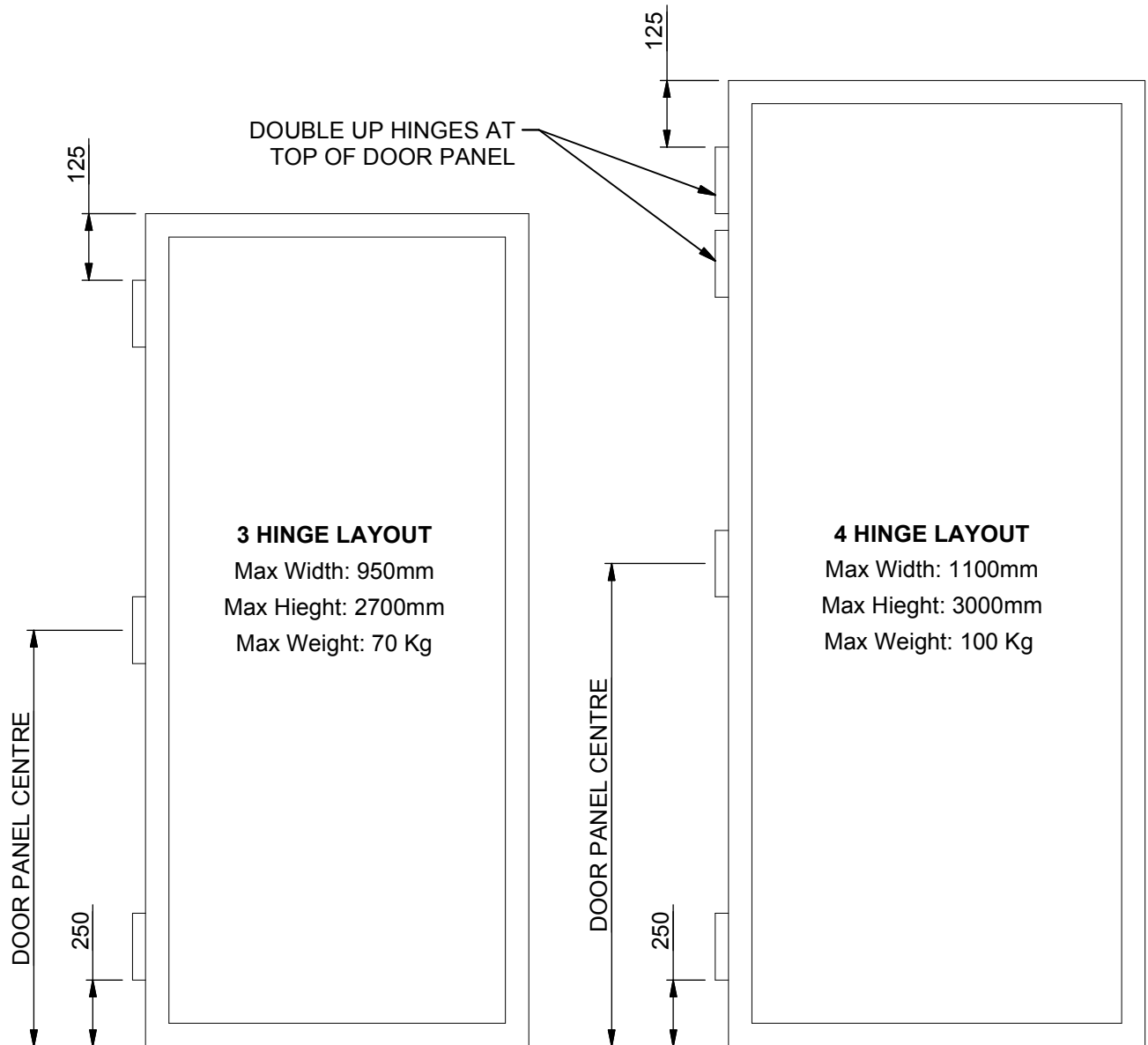
TA4 Rail Seal Detail at Site



Add sealant to tabs to secure in place.

11. Assembly Details

A104TF Hinge Layout

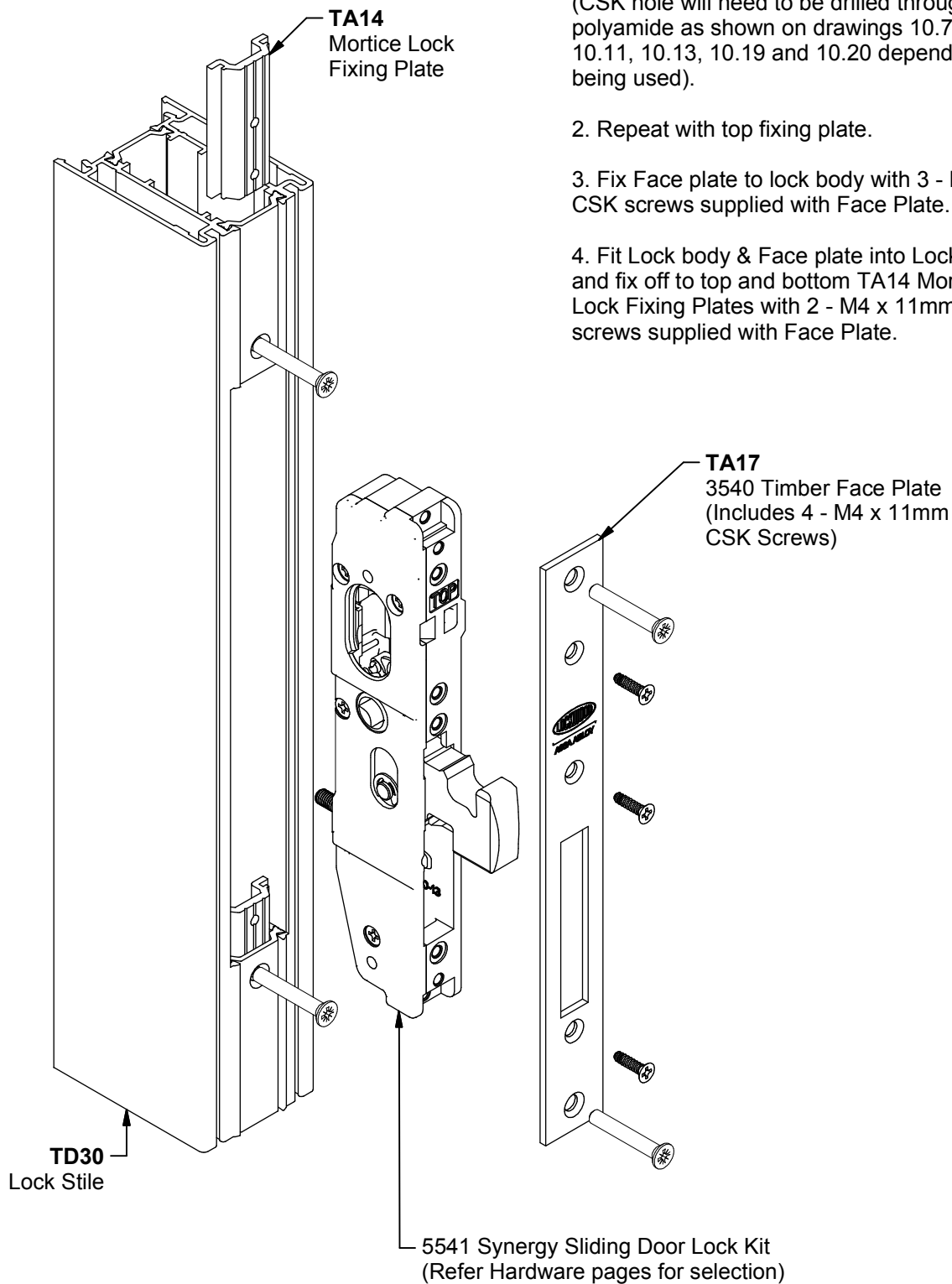


Door closer application: The 4 hinge layout must be used in all cases due to the additional lateral forces applied by the door closer.

The above hinge layouts and recommendations are only applicable to the A104TF Heavy Duty Hinges.

11. Assembly Details

Mortice Lock Fixing Plate Installation



Installation:

1. Drop in bottom TA14 Mortice Lock Fixing Plate and fix with M4 x 11mm CSK screw (CSK hole will need to be drilled through polyamide as shown on drawings 10.7, 10.9, 10.11, 10.13, 10.19 and 10.20 depending on Lock being used).

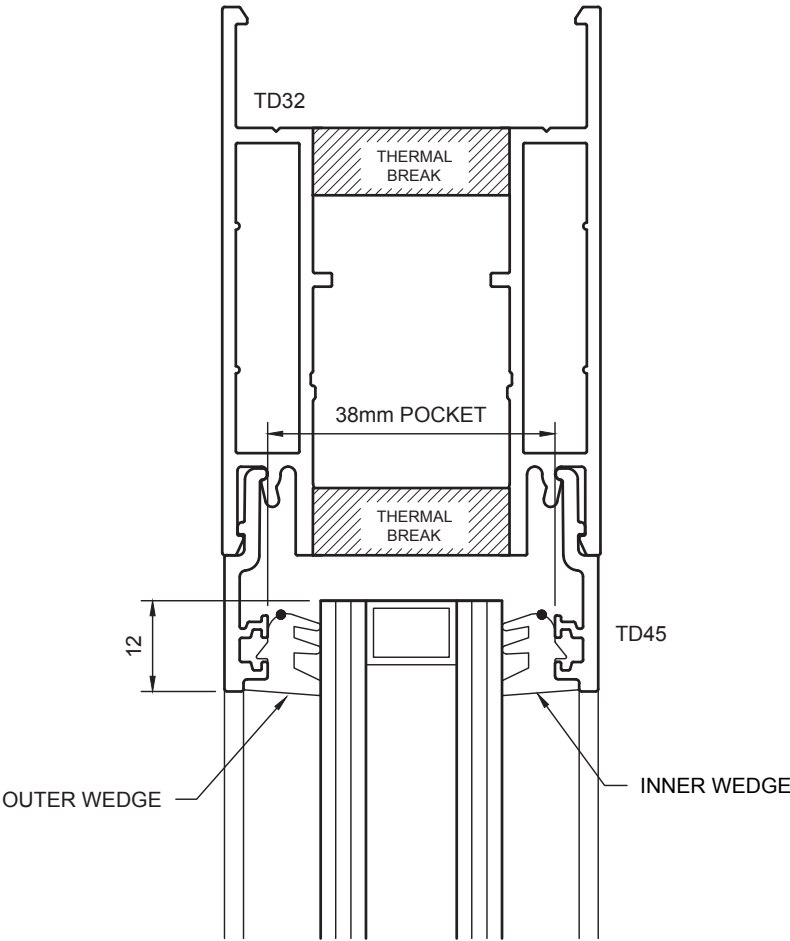
2. Repeat with top fixing plate.

3. Fix Face plate to lock body with 3 - M4 x 11mm CSK screws supplied with Face Plate.

4. Fit Lock body & Face plate into Lock Stile and fix off to top and bottom TA14 Mortice Lock Fixing Plates with 2 - M4 x 11mm CSK screws supplied with Face Plate.

12. Glazing Details

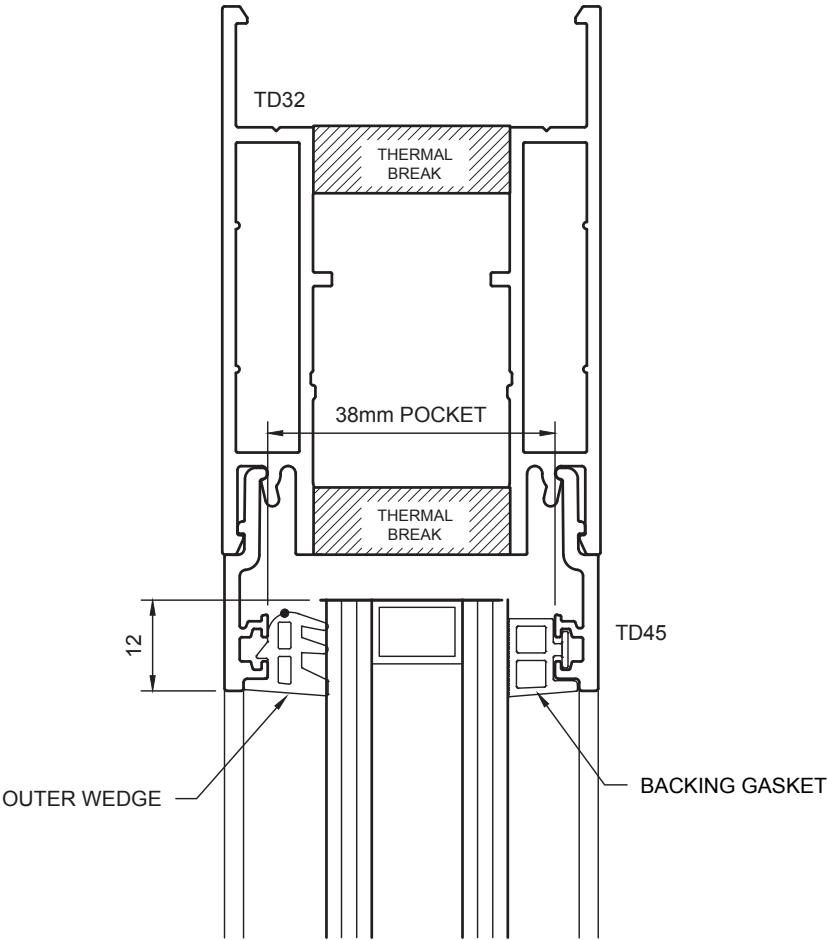
Glazing Details - Wedge Glazing



	INNER WEDGE		OUTER WEDGE	
GLASS THICKNESS	ID COLOUR	REF. (GAP)	ID COLOUR	REF. (GAP)
20mm	GREEN	GR50 (9mm)	GREEN	GR50 (9mm)
22mm	ORANGE	GR48 (8mm)	ORANGE	GR48 (8mm)
24mm	RED	GR47 (7mm)	RED	GR47 (7mm)
25mm	RED	GR47 (7mm)	ORANGE	GR48 (6mm)
26mm	RED	GR47 (7mm)	BLUE	GR45 (5mm)
28mm	BLUE	GR45 (5mm)	BLUE	GR45 (5mm)
30mm	WHITE	GR44 (4mm)	WHITE	GR44 (4mm)
32mm	BROWN	GR43 (3mm)	BROWN	GR43 (3mm)

12. Glazing Details

Glazing Details - Captive



	INNER 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	GREEN	GR50 (9mm)	GR37 (4mm)	CE37 (4mm)
26mm	ORANGE	GR48 (8mm)	GR37 (4mm)	CE37 (4mm)
28mm	ORANGE	GR48 (8mm)	GR36 (2mm)	CE36 (2mm)
30mm	YELLOW	GR46 (6mm)	GR36 (2mm)	CE36 (2mm)

13. Care & Maintenance

FRAMING

Your new **ThermAFrame 50mm Commercial Door** systems 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 50mm Commercial Door** systems will retain it's good looks and resist the elements for years to come.

The **ThermAFrame 50mm Commercial Door** systems 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 50mm Commercial Door** systems 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 50mm Commercial Door** systems 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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