

SPW501 Thermal Framing
Square Cut Rails

SPW501

Product Assembly
Manual 2014
Thermal Framing

Introduction

The Company

Senior Architectural Systems Ltd are a group of companies based in the United Kingdom who operate through a network of regional Service Centres.

Its' operations include the main business of stockholding in both systemized and standard aluminium extrusions. Mill finish, anodised (natural and bronze), and powder coated sections are all available, along with all of the necessary accessories for manufacture. The incorporation of new or modified sections, system compatible, is carried out when required.

The emphasis is on service to our clients, with response speed being very much of the essence. Deliveries are made on dedicated vehicles in our own livery, into all areas of the country on a regular basis - collections can be easily arranged for direct release (ex. works) to our clients' instructions. Short notice collections can also be arranged in the event of the occasional, and inevitable 'emergency'.

The Product Range

Other product ranges available from Senior Architectural Systems include: -

Curtain Wall, Casement Windows, Mid-Rise Commercial Windows, Patent Glazing, Sub Frame, Standard Angles and Rectangular Tubes, Residential Windows, Residential Doors, Patio Doors and Secondary Glazing.

Quality Assurance

We are committed to the aims of ISO 9001 Quality Assurance.

In the event of questions or queries concerning the contents of this manual or any other product on offer from Senior Architectural Systems, please do not hesitate to contact your Regional Service Centre:

Senior Architectural Systems Denaby (Head Office) 01709 772600

Senior Architectural Systems Scotland 01506 407640

Senior Architectural Systems South 01633 277880

Senior Architectural Systems Ltd operate a policy of continuing development and reserve the right to amend and improve their products without notification. Every effort will however be made to ensure that up-dates are circulated to our clients for information as deemed necessary.

All items contained in this manual are subject to our normal terms and conditions, a copy of which is available on request. Whilst we make every effort to ensure the accuracy of the drawings and measurements contained in this manual, we neither warrant nor guarantee the accuracy and you should undertake your own measurements and not place any reliance on or act in consequence of the contents herein.

SPW501 Thermal Framing

Square Cut rails

SPW501.1.iii

10.14

Scope

This specification covers the materials, sections and accessories generally available from stock through the Senior Architectural Systems group of companies. It illustrates typical recommendations for the fabrication of our SPW501 Thermal Framing. The sections and fittings described in this manual are not definitive or exclusive in application but show typical assemblies using standard materials and accessories.

Identical main line extrusions are used for both single and dual colour finishes.

These details are suitable for installations in both new buildings and re-furbishments, which should comply with the latest building regulations.

Construction

SPW501 Thermal Framing is fabricated from square cut components, mechanically jointed, using self tapping screws into special cleats and tie bars for compressive strength.

A proprietary sealant to protect against water entry should be used on all metal-to-metal joints and cleat insertion points at assembly.

Glazing is double glazing 28mm standard.

At all times good working practices should be employed.

Accessories

All accessories shown in this manual are deemed to be both typical, and suitable for, the installations intended. They are generally standard items, which carry with them the manufacturers guarantees and are components that are held in stock.

Testing

The SPW500 Series Door is tested in accordance with BS6375 Part 1, 2009, Exposure Cat .

<i>Air Permeability</i>	<i>XXXPa (Class 1)</i>
<i>Water Tightness</i>	<i>XPa (Class 0)</i>
<i>Wind Resistance</i>	<i>XXXPa (Class A2)</i>

Separate figures are available for Thermal U-values depending on type of frame and glazing material.

Materials

Extruded aluminium is Aluminium Alloy 6063.T6 to BS EN 755 part9: 2008

Polyamide thermal barriers PA66 GF25

Anodising: i) Natural (Silver) anodised to BS3987, 1991. and ii) Anolok Bronze Colour 547 anodised to BS3987, 1991. Anodising is to a minimum of 25 microns (AA25).

Powder Coating is to BS EN 12206-1:2004

Gasketry is manufactured in accordance with BS3734.

Glazing

Note: All Glazing should be carried out to the recommendations of B.S.6262.

Double glazing to 28mm may be installed into this door system.

Glazing is achieved by removal of the snap-in beads. Setting blocks should be located in accordance with recommendations from the relevant standards or industry associates.

The door glass is also held in place by a combination of captive and wedge gaskets.

Site Installation

Site fixing of finished frames should take into account all applicable standards with regard to both the method employed and safe working practices.

Frame fixings should be suitable for the purpose given site conditions and materials into which the installation is to be made. If in doubt, please check with your fixings supplier regarding type and method to be used.

Size Limitations

Size limitations for each type of door vary. The following schedule is an indication of the SPW500 system capabilities.

	<i>W</i>	<i>x</i>	<i>H</i>
<i>Single Door</i>	<i>1000</i>	<i>x</i>	<i>2300</i>
<i>Double Door</i>	<i>2000</i>	<i>x</i>	<i>2300</i>

Due consideration to weight and hardware capabilities should be given..

Index

Description	Detail	Page.	Last Issue Date
Front Cover		SPW501.1.i	10.14
Introduction		SPW501.1.ii	10.14
Specification		SPW501.1.iii	10.14
Index		SPW501.1.iv	11.14
Index		SPW501.1.v	11.14
Section Identification		SPW501.1.vi	11.14
Section Identification		SPW501.1.vii	10.14
Manual Updates		SPW501.1.MUi	11.14
Manual Updates		SPW501.1.MUii	10.14

A - General Arrangements

General Arrangements	G.A. Door Stiles	SPW501.A.01	10.14
General Arrangements	G.A. Deep Door Stiles	SPW501.A.02	10.14
General Arrangements	G.A. AFT Door Stiles	SPW501.A.03	10.14
General Arrangements	G.A. Door Top, Bottom And Midrails	SPW501.A.04	10.14
General Arrangements	G.A. Bottom Rails And Thresholds	SPW501.A.05	10.14
General Arrangements	G.A. Deep Bottom Rails And Thresholds	SPW501.A.06	10.14
General Arrangements	G.A. Door Header Bars	SPW501.A.07	10.14
General Arrangements	G.A. Pocket Plate With Header Bar	SPW501.A.08	10.14
General Arrangements	G.A. Transom	SPW501.A.09	10.14
General Arrangements	G.A. Shuffle Glaze Transom/Mullion	SPW501.A.10	10.14
General Arrangements	G.A. Shuffle Glaze Coupling Mullion	SPW501.A.11	10.14
General Arrangements	G.A. Cills	SPW501.A.12	10.14
General Arrangements	G.A. Door Into Hybrid C/Wall	SPW501.A.13	10.14
General Arrangements	G.A. Door Into Hybrid C/Wall AFT	SPW501.A.14	10.14
General Arrangements	G.A. Door Into C/Wall	SPW501.A.15	10.14
General Arrangements	G.A. Door into C/Wall AFT	SPW501.A.16	11.14
General Arrangements	G.A. Corner Posts	SPW501.A.17	10.14
General Arrangements	Blank	SPW501.A.18	10.14

B - Section Identification

Full Size Sections	Door Stiles	SPW501.B.101	10.14
Full Size Sections	AFT Door Stiles	SPW501.B.102	10.14
Full Size Sections	Top And Bottom Rail	SPW501.B.103	11.14
Full Size Sections	Deep Bottom Rail	SPW501.B.104	10.14
Full Size Sections	Midrail, Bead & Door Stop	SPW501.B.105	10.14
Full Size Sections	Deep Midrail	SPW501.B.106	10.14
Full Size Sections	AFT Jamb Trims	SPW501.B.107	10.14
Full Size Sections	Pad Handles	SPW501.B.108	10.14
Full Size Sections	Framing Transom/Mullion	SPW501.B.201	10.14
Full Size Sections	Shuffle Glaze Transom/Mullion, 58mm Frame	SPW501.B.202	10.14
Full Size Sections	Header Bar And 72mm Frame	SPW501.B.203	10.14
Full Size Sections	Bead, Jamb Closer, Infill Etc.	SPW501.B.204	10.14
Full Size Sections	Thresholds	SPW501.B.205	10.14
Full Size Sections	Corner Posts	SPW501.B.206	10.14

C - Accessory Components

Accessories	Closers And Bracketry	SPW501.C.01	10.14
Accessories	PAS 24 Accessories	SPW501.C.02	10.14
Accessories	Locks And Fittings	SPW501.C.03	10.14
Accessories	Letter Plates And Packs	SPW501.C.04	10.14
Accessories	Cleats And Fixings	SPW501.C.05	10.14
Accessories	Pad Handles	SPW501.C.06	10.14
Accessories	Gaskets And Brush Pile	SPW501.C.07	10.14
Accessories	Blank	SPW501.C.07	10.14

SPW501 Thermal Door

Square Cut Rails

Index

SPW501.1.v

11.14

Description	Product	Page	Last Issue Date
D - Deductions And Drainage			
Deductions	Narrow And Wide Stiles	SPW501.D.101	10.14
Deductions	Anti-Finger Trap Stiles	SPW501.D.102	10.14
Deductions	Top And Bottom Rails	SPW501.D.103	10.14
Deductions	Mid Rails	SPW501.D.104	10.14
Deductions	Framing	SPW501.D.201	10.14
Deductions	Framing	SPW501.D.202	10.14
Deductions	Framing	SPW501.D.203	10.14
Deductions	Framing	SPW501.D.204	10.14
E- Preparation Details			
Preparation	Security Lock Detail	SPW501.E.01	10.14
Preparation	Lock Detail	SPW501.E.02	10.14
Preparation	Top Rail For Standard Stiles	SPW501.E.03	11.14
Preparation	Bottom Rail For Standard Stiles	SPW501.E.04	10.14
Preparation	AFT Stile Bottom Pivot	SPW501.E.05	10.14
Preparation	Top Rail AFT Stiles	SPW501.E.06	11.14
Preparation	Bottom Rails For AFT Stiles	SPW501.E.07	10.14
Preparation	Cleat For Top And Bottom Rail	SPW501.E.08	11.14
Preparation	Cleat For Midrail And SLP2 Letter Plate	SPW501.E.09	10.14
Preparation	Flush Bolts	SPW501.E.10	10.14
Preparation	Header Bar Standard Closer Details	SPW501.E.11	10.14
Preparation	Face Plate Into Meeting Stile	SPW501.E.12	10.14
Preparation	Door Stop For Single Action Doors	SPW501.E.13	10.14
Preparation	Lock Jamb Using Shuffle Glaze Mullion	SPW501.E.14	10.14
Preparation	Cruciform Joint Frame	SPW501.E.15	10.14
Preparation	Transom Joint sing SPW5CA	SPW501.E.16	10.14
Preparation	Shuffle Glaze Joint	SPW501.E.17	10.14
Preparation	Shuffle Glaze Mullion/Transom Joint	SPW501.E.18	10.14
Preparation	Door Midrail Into Framing	SPW501.E.19	10.14
Preparation	135 Deg Corner Post	SPW501.E.20	10.14
Preparation	90 Deg Corner Post	SPW501.E.21	10.14
Preparation	Aft Jamb Fixing	SPW501.E.22	10.14
Preparation	Blank	SPW501.E.23	10.14
Preparation	Shuffle Glaze Mullion Header Connection	SPW501.E.24	10.14
Preparation	72mm Shuffle Glaze Coupling Mullion	SPW501.E.25	10.14
Preparation	72mm Shuffle Glaze Coupling Mullion	SPW501.E.26	10.14
Preparation	58mm Shuffle Glaze Coupling Mullion	SPW501.E.27	10.14
Preparation	58mm Shuffle Glaze Coupling Mullion	SPW501.E.28	10.14
F- Glazing			
Glazing	Shuffle Glazing	SPW501.F.01	10.14

Manual Update

Page No	Update Description	Date	By	Appd
SPW501.vi	Bead reference corrected, now reads SPW568	041114	ACC	MW
SPW501.A.16	Bead reference corrected, now reads SPW568	041114	ACC	MW
SPW501.E.06	Cleat reference corrected, now reads SPW580CT18	051114	ACC	MW
SPW501.E.08	Cleat reference corrected, now reads SPW580CT18	051114	ACC	MW
SPW501.B.103	Cleat reference corrected, now reads SPW580CT18	171114	ACC	MW
SPW501.E.03	Cleat reference corrected, now reads SPW580CT18	171114	ACC	MW
SPW501.E.06	Cleat reference corrected, now reads SPW580CT18	171114	ACC	MW
SPW501.E.08	Cleat reference corrected, now reads SPW580CT18	171114	ACC	MW

SPW501 Thermal Framing

Square Cut Rails

SPW501.1.MU.ii

10.14

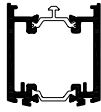
Manual Update

Page No	Update Description	Date	By	Appd

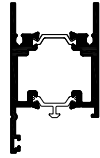
SPW501 Thermal Framing

Square Cut Rails

Section Identification



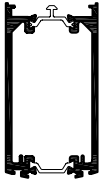
SPW56969
Door Stile



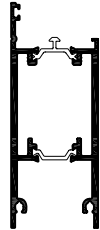
SPW51617X
Top Rail



SPW568
28mm Bead



SPW57272
Deep Door Stile



SPW51213X
Bottom Rail



SD558
Door Stop



SD557
Brush Seal Carrier



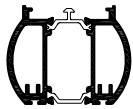
SD583
Standard Threshold



SPW5SCS
Door Stile Cover Strip



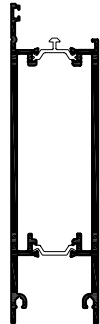
SD598
Square Edge Threshold



SPW57373
AFT Door Stile



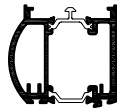
SD501
Drained Threshold



SPW52526X
Deep Bottom Rail



SPW560
Thermal Threshold



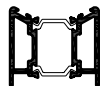
SPW57369
AFT Panic Bar Door Stile



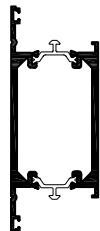
SPW5AFTT
Anti Finger Trap Trim



SD584
Pad Handle



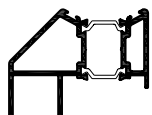
SPW52828
AFT Jamb Trim



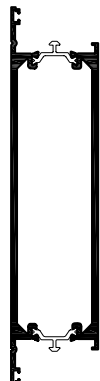
SPW51920X
Mid Rail



SD564
Slim Pad Handle



SPW52928
AFT Jamb Trim



SPW53031X
Deep Mid Rail

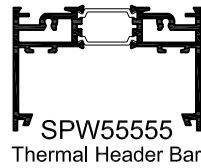
SPW501 Thermal Framing

SPW501.vii

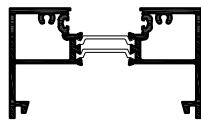
Square Cut Rails

10.14

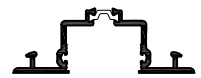
Section Identification



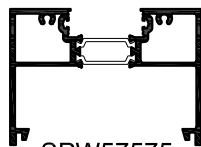
SPW5555
Thermal Header Bar



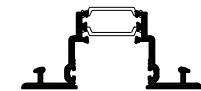
SPW58383
58mm Shuffle Glaze Coupling Mullion



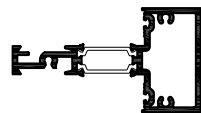
SPW58282
58mm Shuffle Glaze Coupling Mullion Pocket



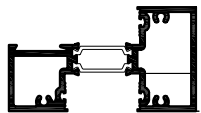
SPW57575
72mm Shuffle Glaze Coupling Mullion



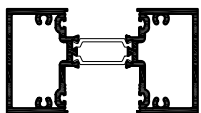
SPW57474
72mm Shuffle Glaze Coupling Mullion Pocket
/Headerbar Pocket Plate



SPW55054
Thermal Transom/Mullion



SPW56654
Thermal Transom/Mullion



SPW56767
Thermal Transom/Mullion



SPW556
28mm Bead



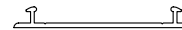
SPW557
Door Jamb Closer



SPW5JI
PVC Jamb In-Fill



SPW5JISG
PVC Jamb In-Fill For Shuffle Glaze



SRA021
PVC Back Plate



SFG118
Sub Cill

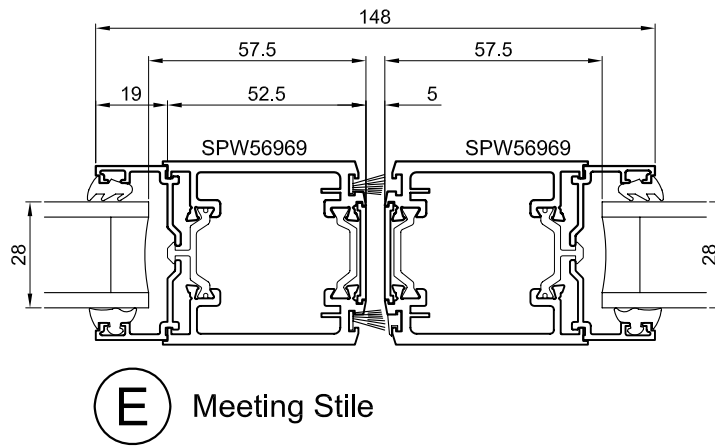
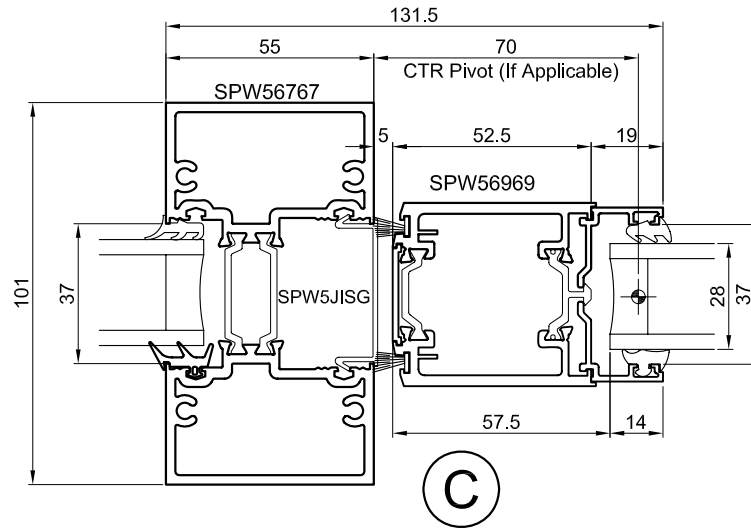
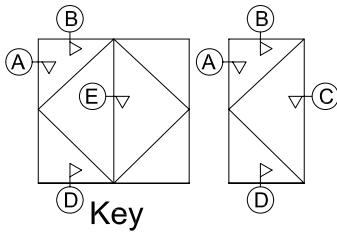
SPW501.A.01

10.14

SPW501 Thermal Framing

Square Cut Rails

General Arrangement - Door Stiles



Note: Use SPW57272 Wide Lock Stile When Fitting Concealed Panic Bars

Half Full Size

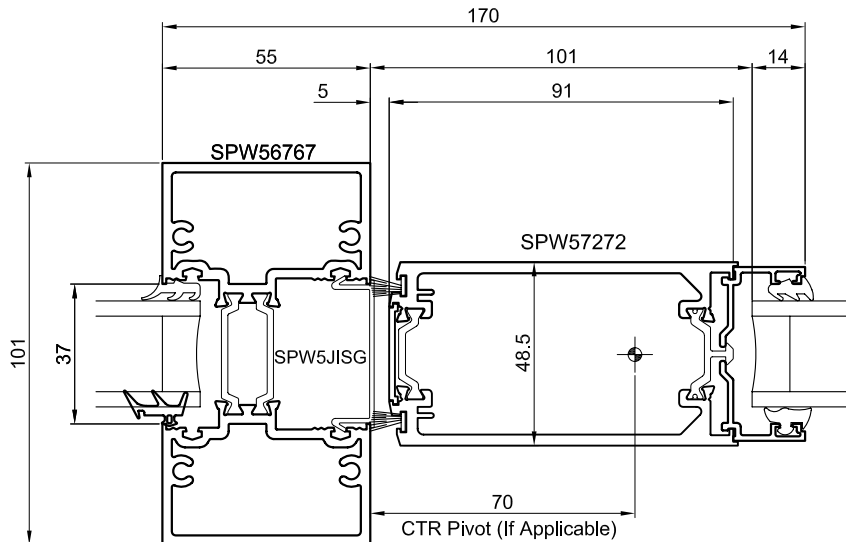
SPW501 Thermal Framing

SPW501.A.02

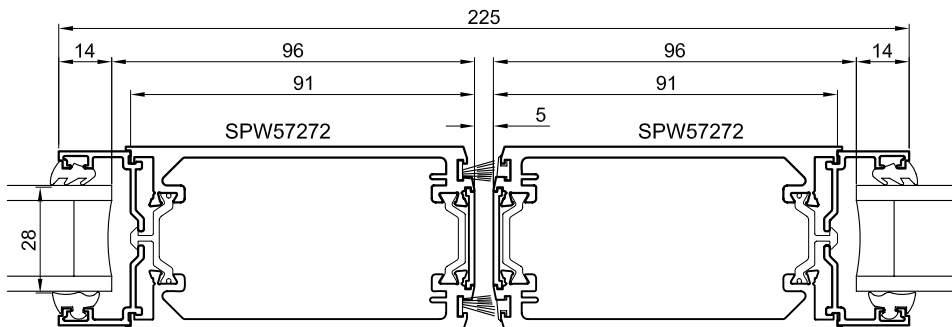
Square Cut Rails

10.14

General Arrangement - Deep Door Stiles



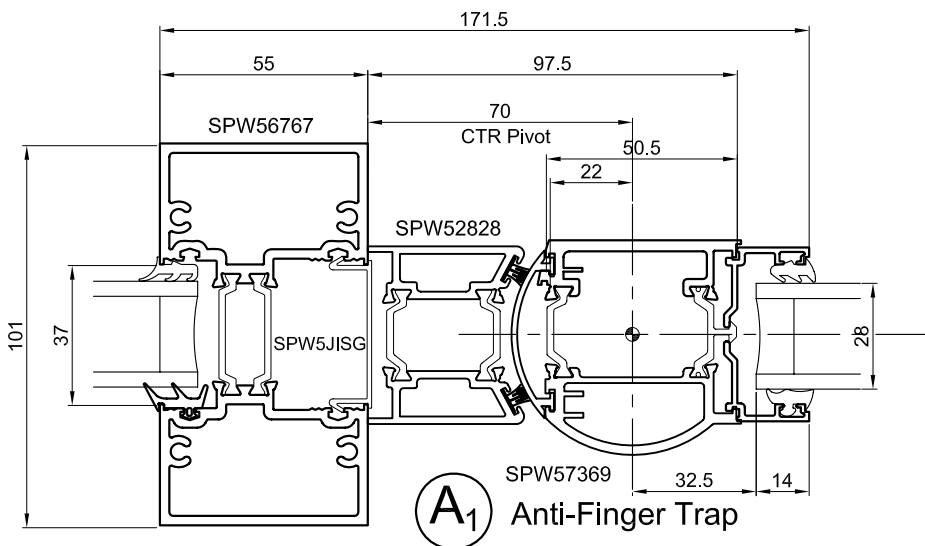
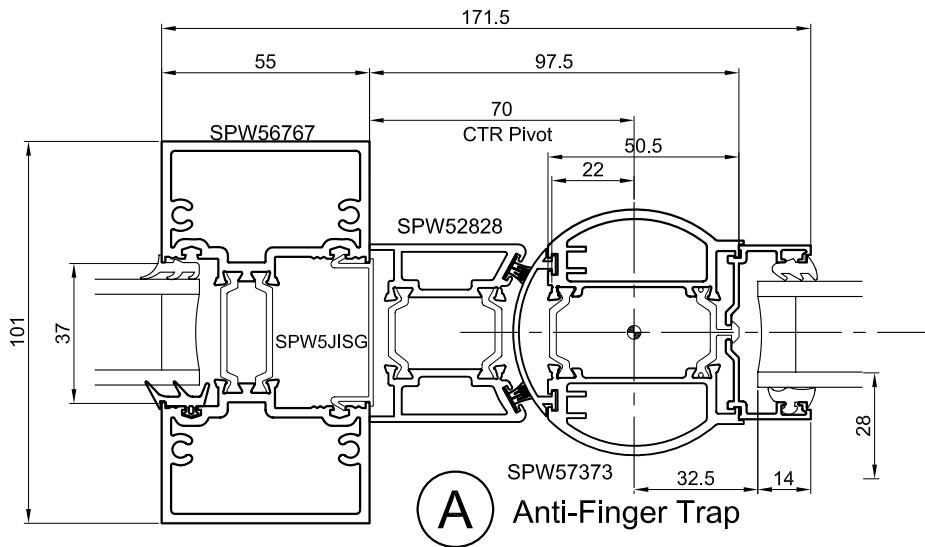
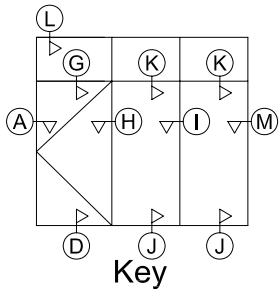
C Deep Hinge Stile With Shuffle Glaze Jamb



E Deep Meeting Stile

Note: Use SPW57272 Wide Lock Stile When Fitting Concealed Panic Bars

General Arrangement - AFT Door Stiles



Note: Use SPW57272 Wide Lock Stile When Fitting Concealed Panic Bars

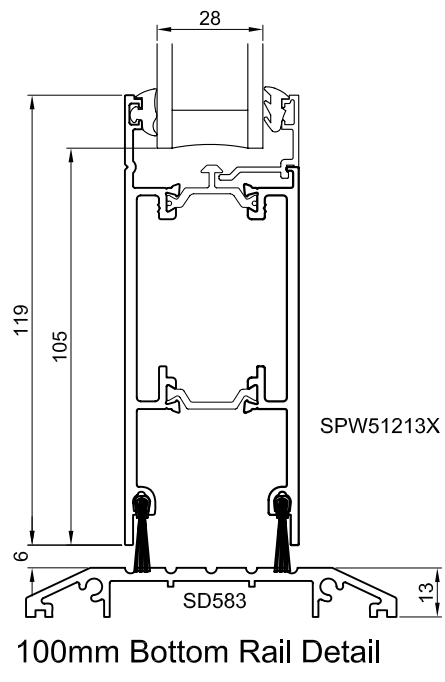
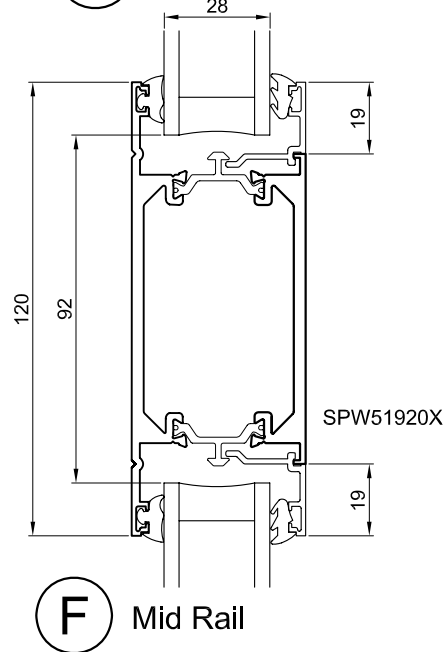
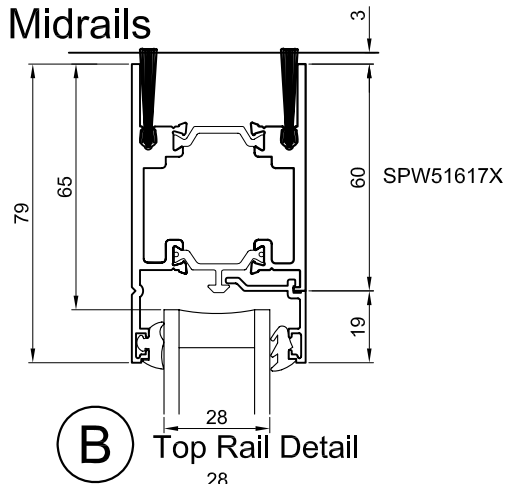
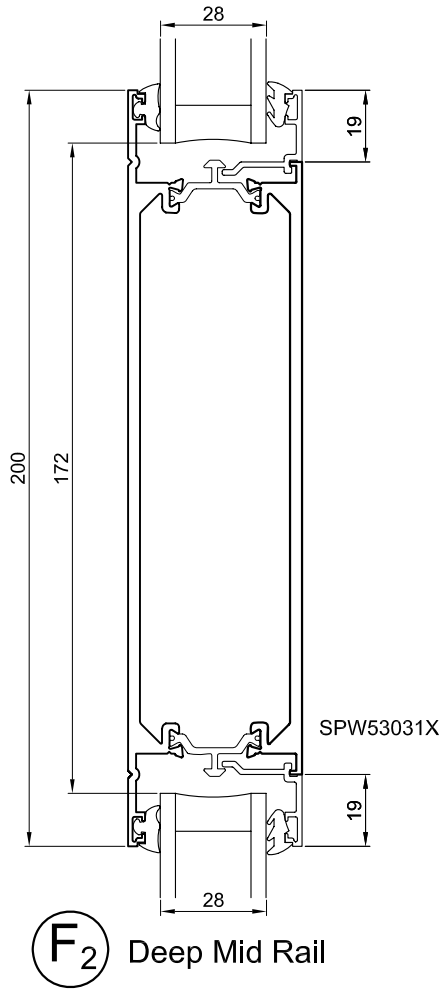
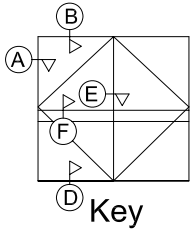
SPW501 Thermal Framing

SPW501.A.04

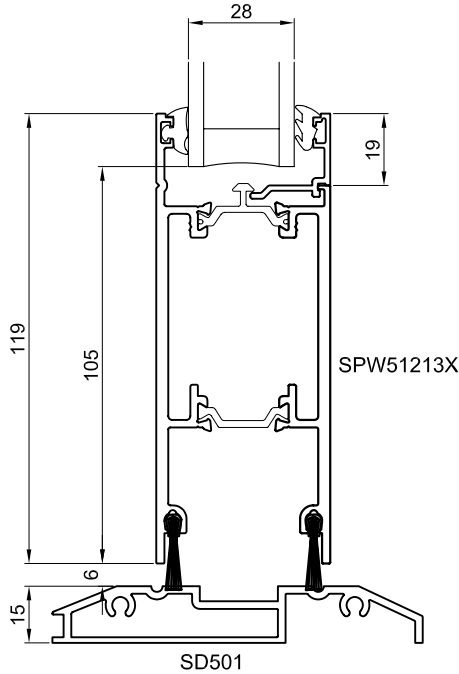
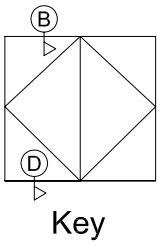
Square Cut Rails

10.14

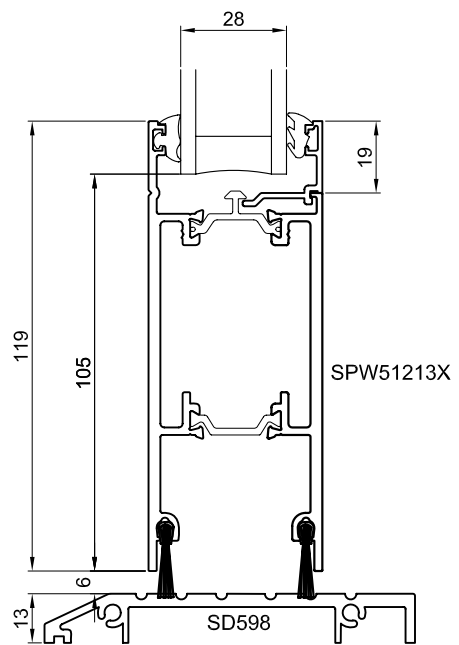
General Arrangement - Top, Bottom And Midrails



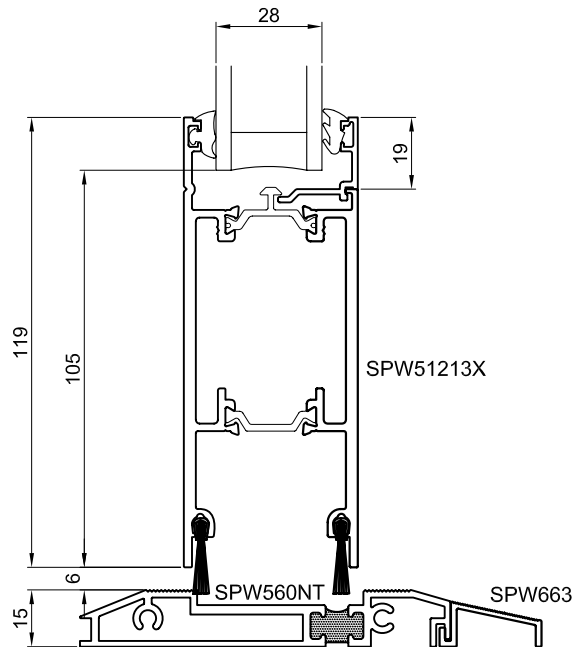
General Arrangements - Bottom Rails And Door Thresholds



D₁ 100mm Bottom Rail Detail



D₂ 100mm Bottom Rail Detail



D₃ 100mm Bottom Rail Detail

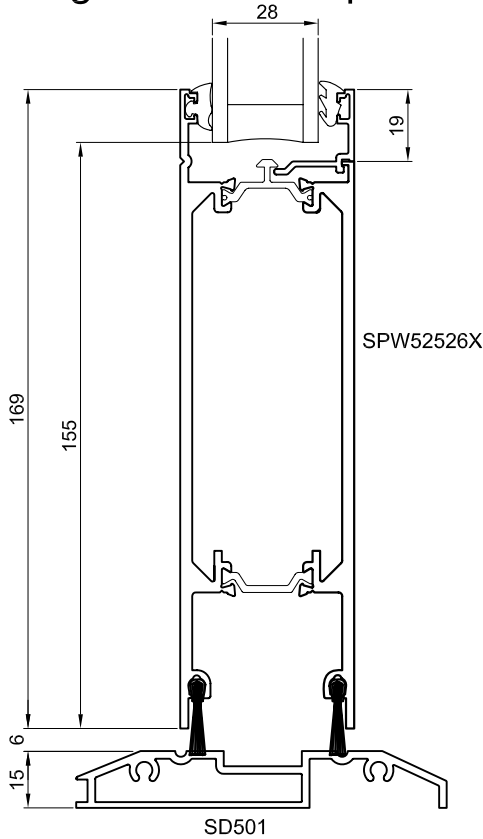
SPW501 Thermal Framing

SPW501.A.06

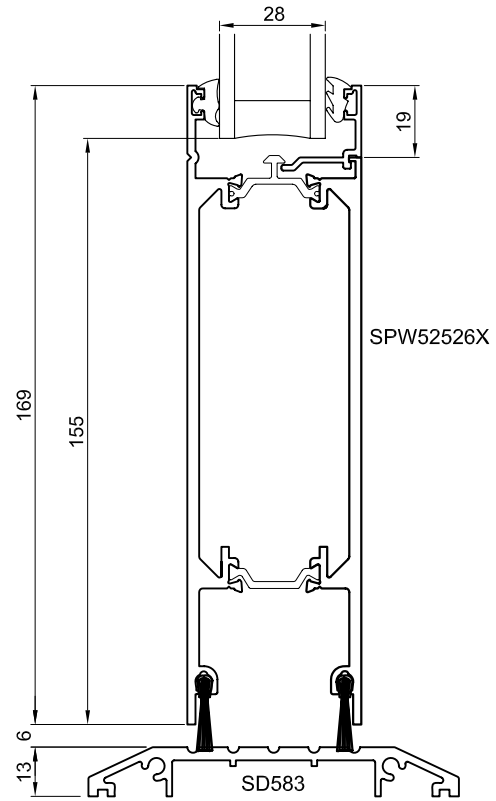
Square Cut Rails

10.14

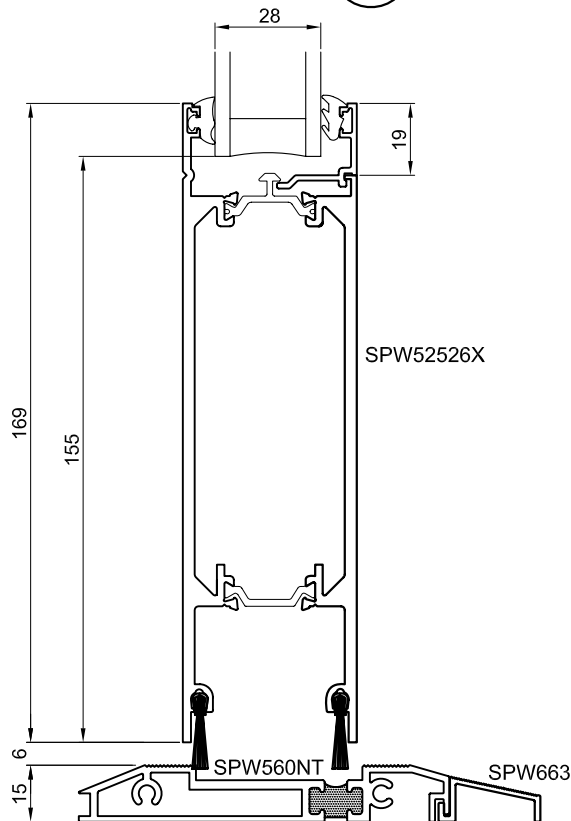
General Arrangements - Deep Bottom Rails And Thresholds



D₁ 150mm Bottom Rail Detail



D₂ 150mm Bottom Rail Detail



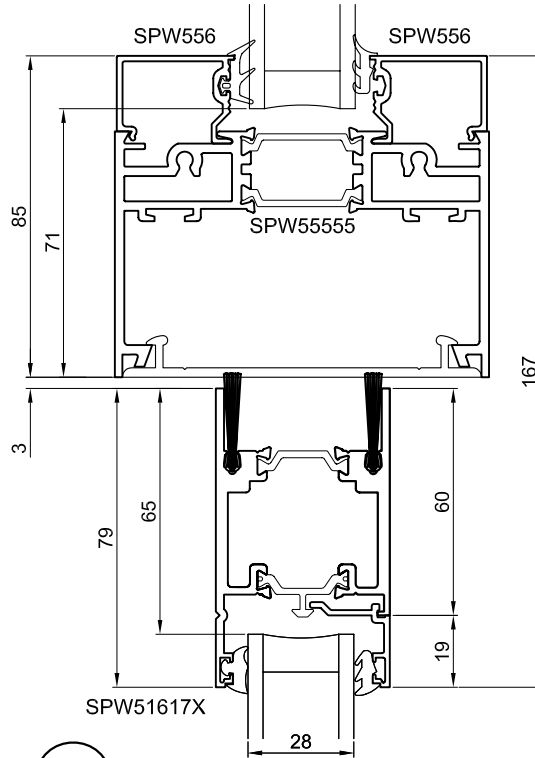
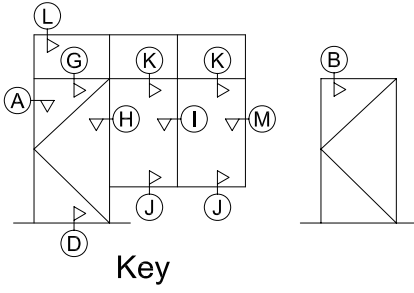
D₃ 150mm Bottom Rail Detail

Half Full Size

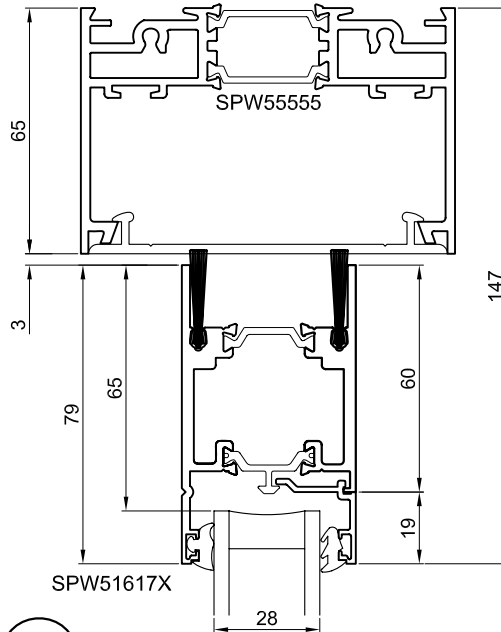
SPW501 Thermal Framing

Square Cut Rails

General Arrangements - Door Header Bars



G Header - Integral Bead Carrier



B Header

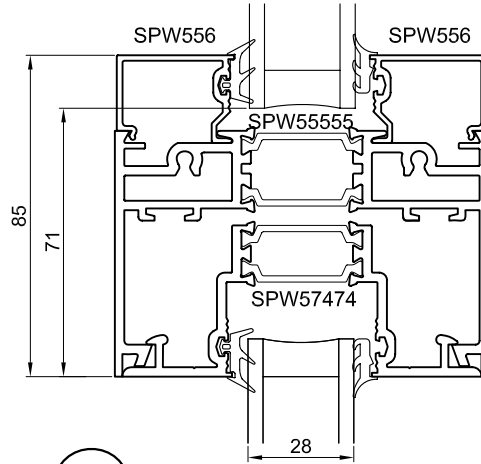
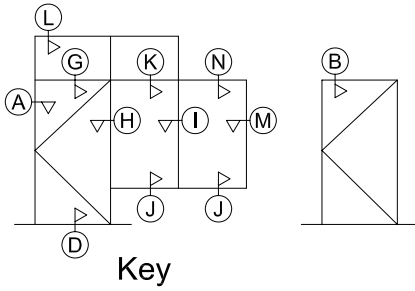
SPW501 Thermal Framing

SPW500.A.08

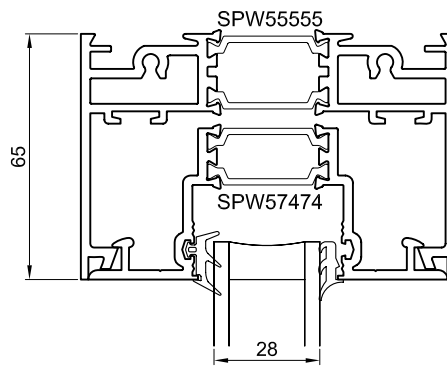
Square Cut Rails

01.12

General Arrangements - Pocket Plate For Header Bar



K₄ Header - Integral Bead Carrier



N Header

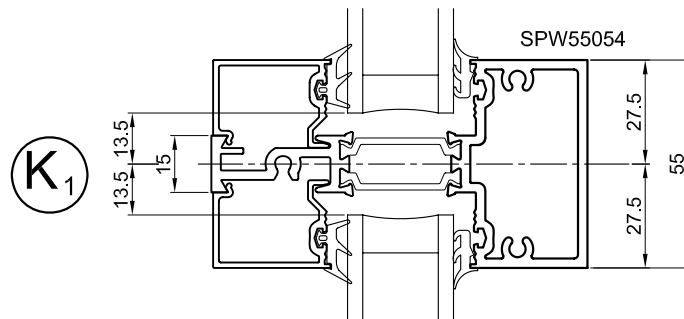
SPW501.A.09

10.14

SPW501 Thermal Framing

Square Cut Rails

General Arrangements - Transom



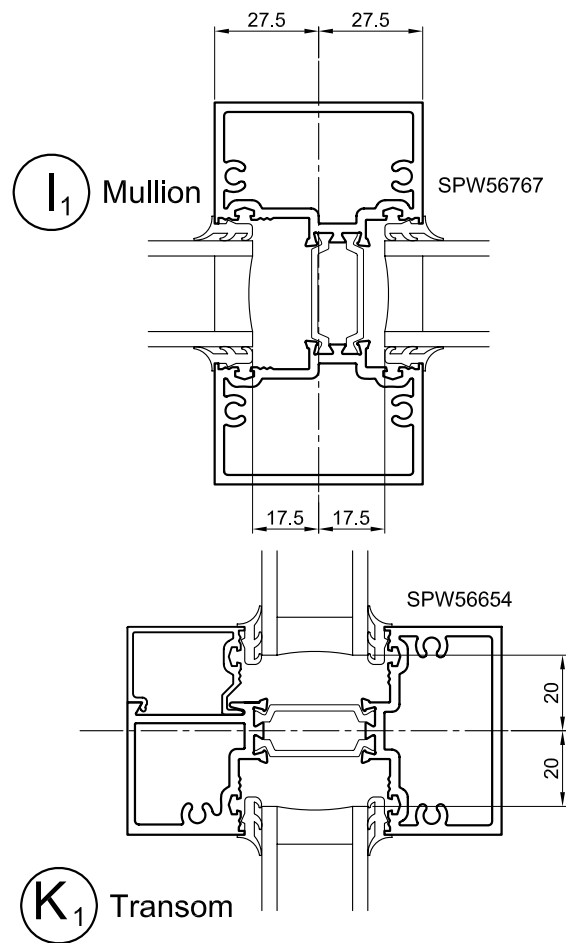
SPW501 Thermal Framing

SPW501.A.10

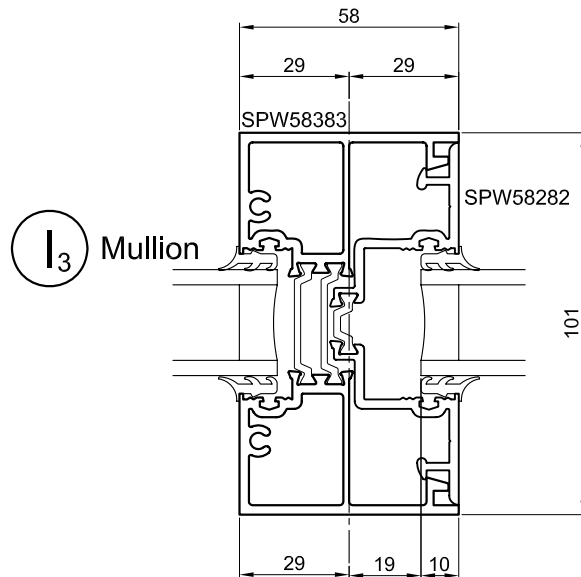
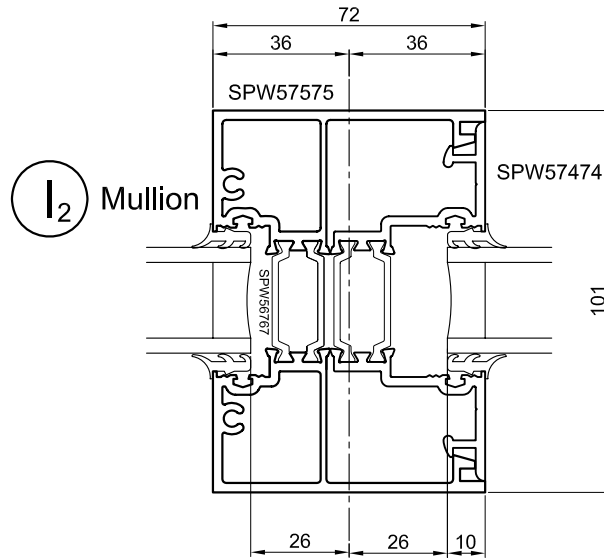
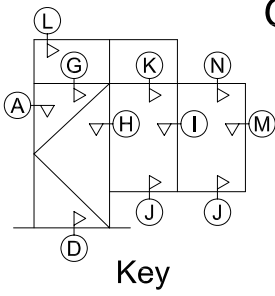
Square Cut Rails

10.14

General Arrangements - Shuffle Glaze Transom/Mullion

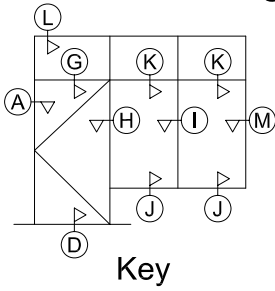


General Arrangements - Shuffle Glaze Coupling mullions

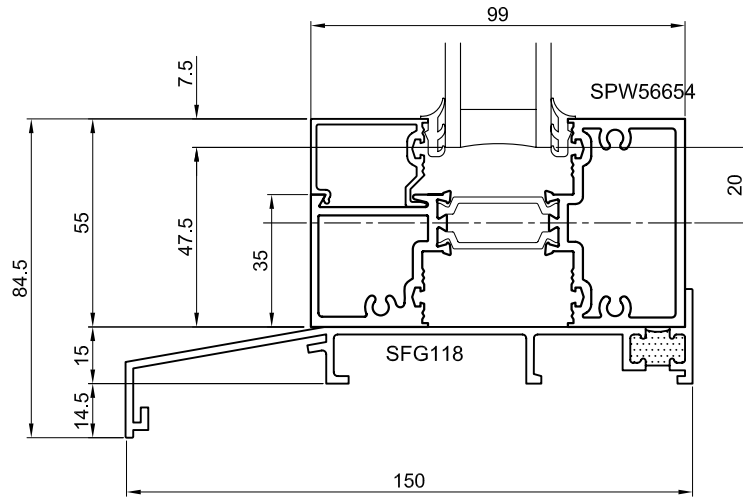


Square Cut Rails

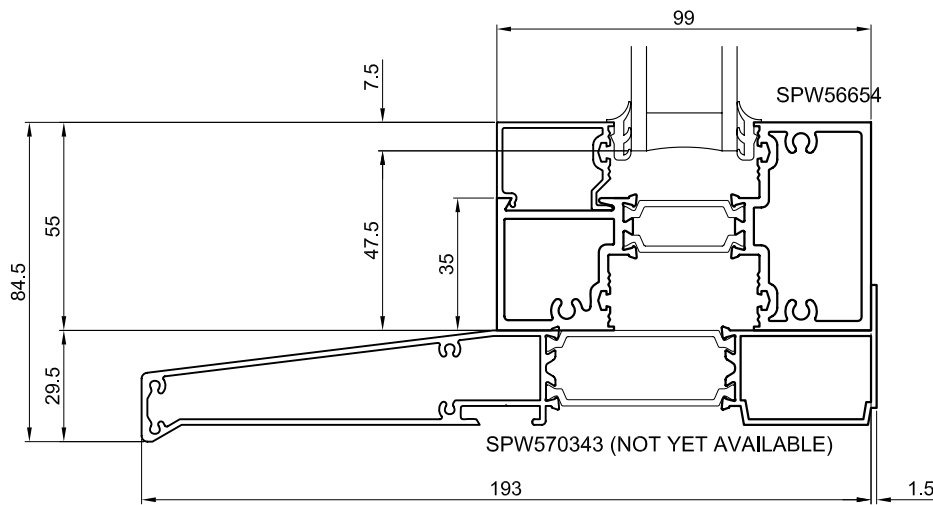
General Arrangements - Cills



Key

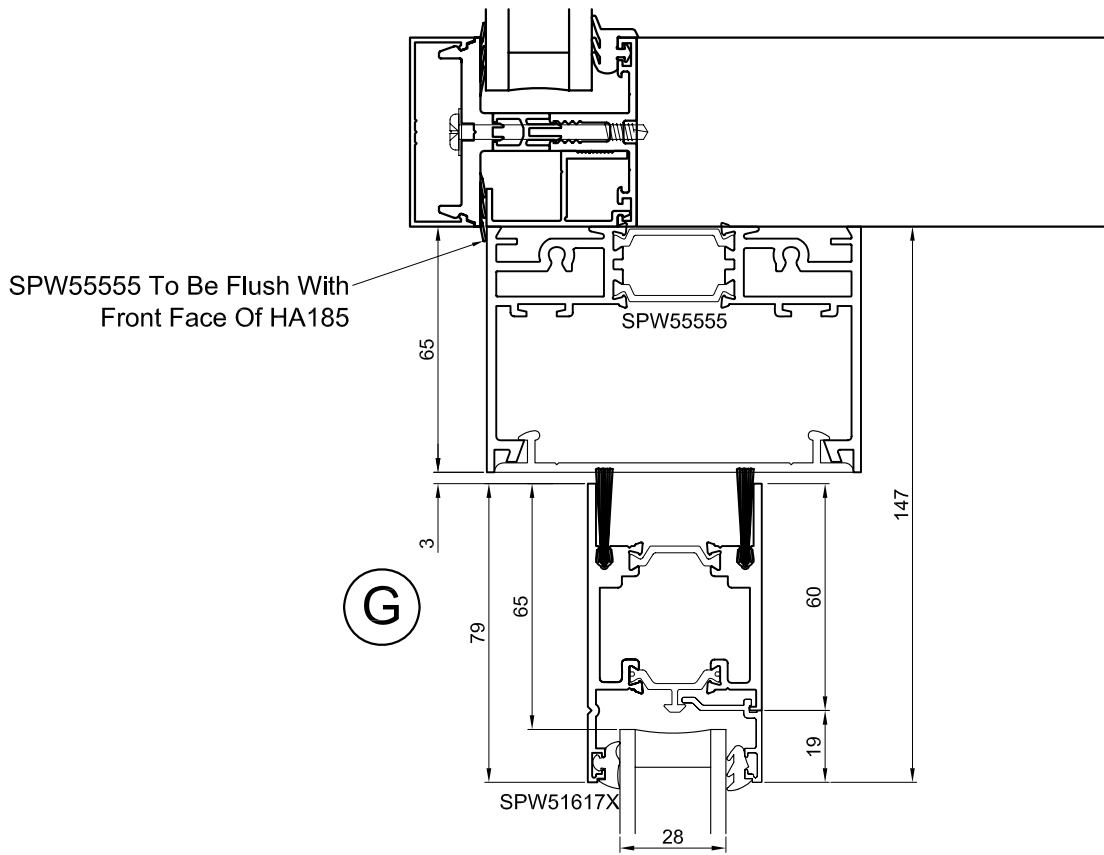
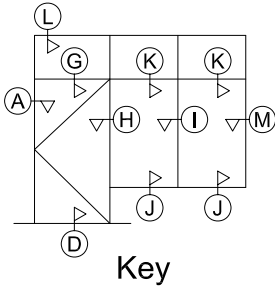


J Cill



J Cill

10.14



Note: For Framing Details, see Hybrid Curtain Wall Manual

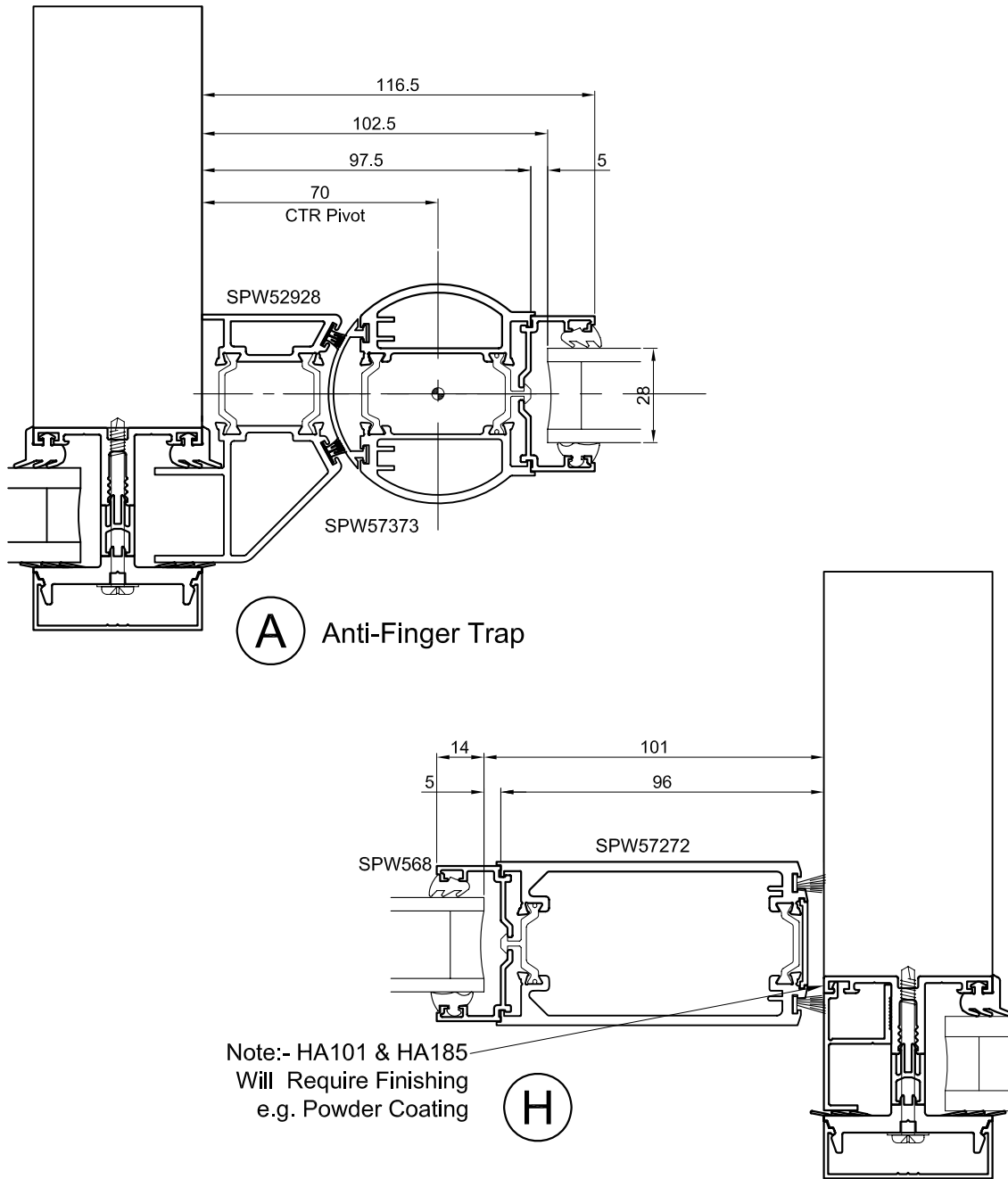
SPW501 Thermal Framing

SPW501.A.14

Square Cut Rails

10.14

General Arrangements - AFT Door into C/Wall



Note: For Framing Details, see Hybrid Curtain Wall Manual

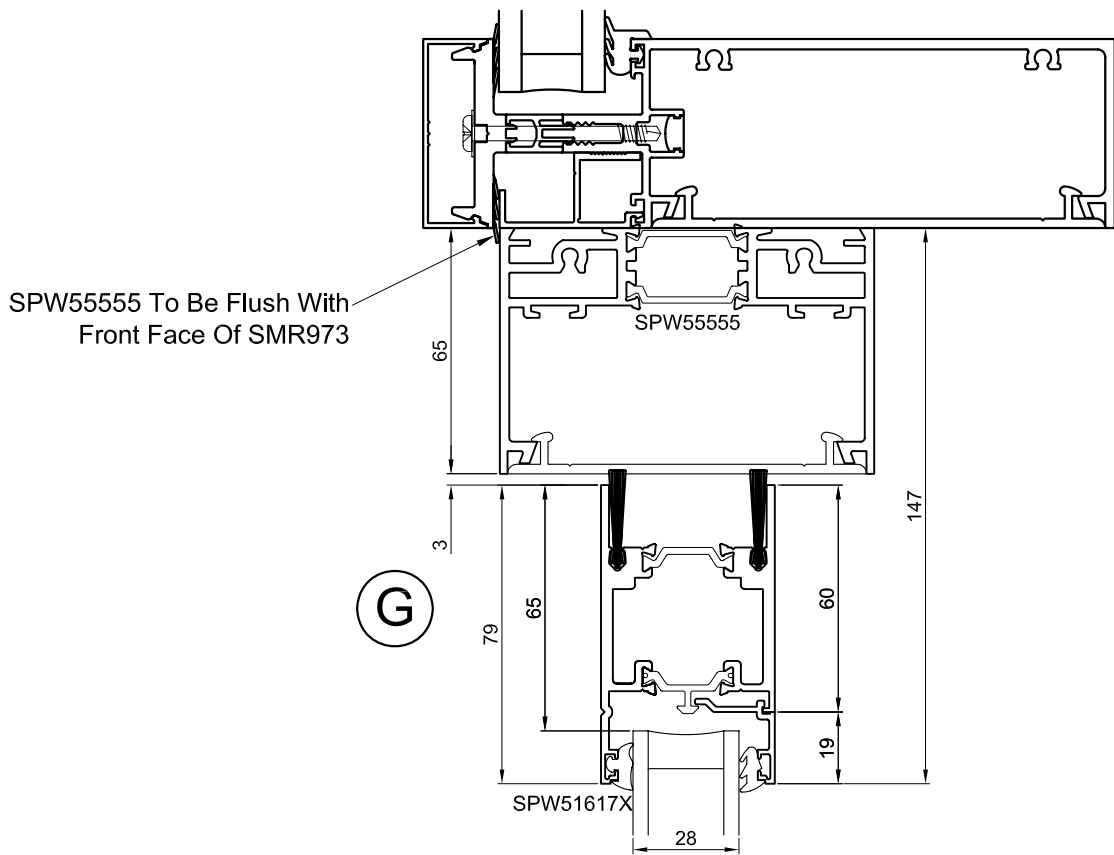
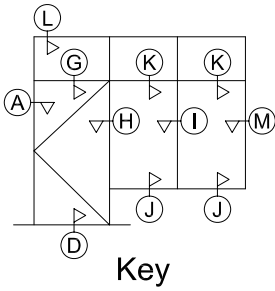
SPW501.A.15

SPW501 Thermal Framing

Square Cut Rails

General Arrangements - Door into C/Wall

10.14



Note: For Framing Details, see Curtain Wall Manuals

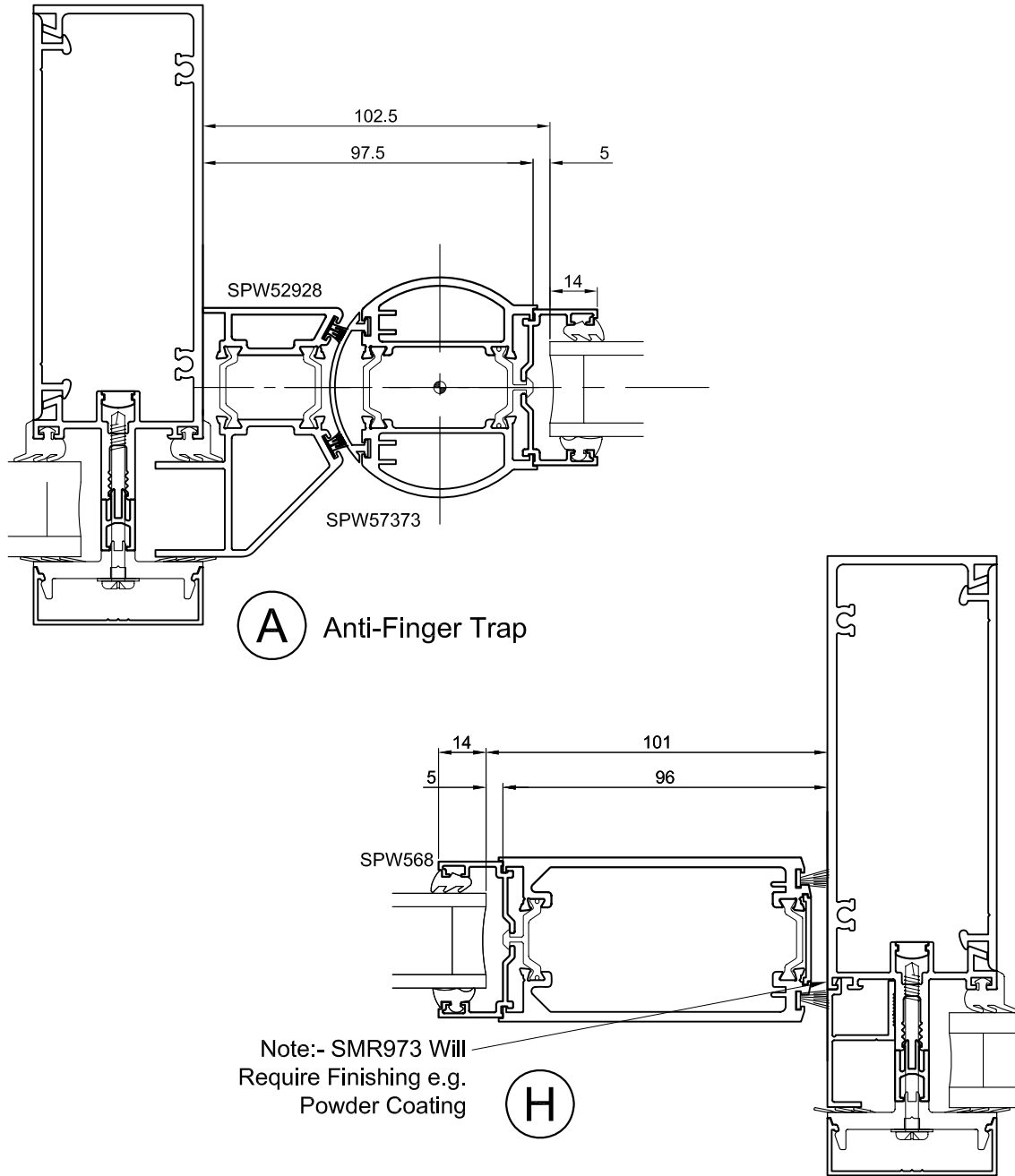
SPW501 Thermal Framing

SPW501.A.16

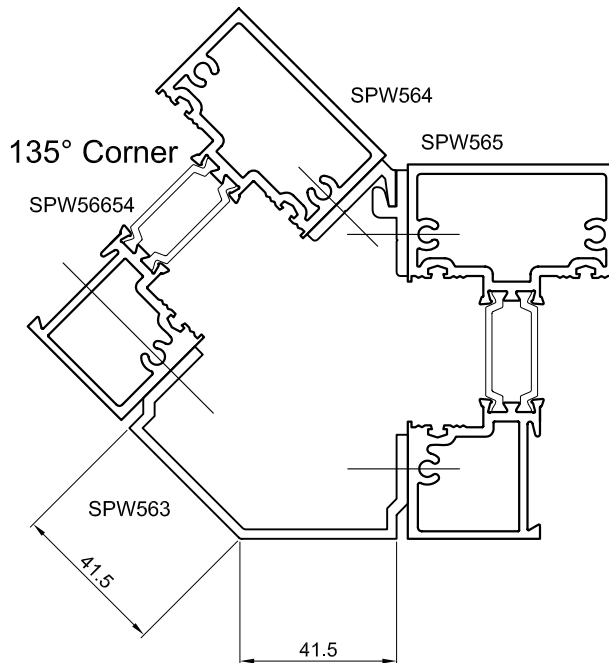
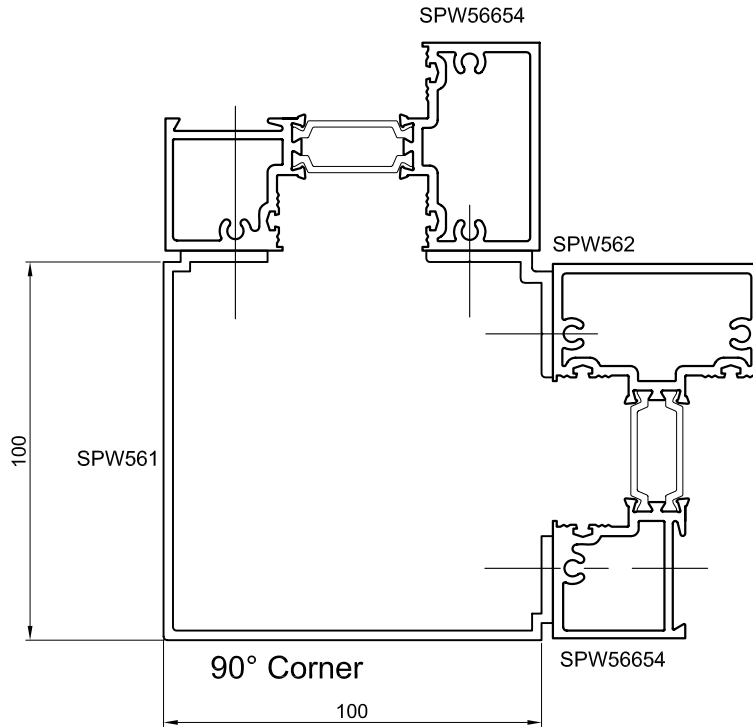
Square Cut Rails

11.14

General Arrangements - AFT Door into C/Wall



Note: For Framing Details, see Curtain Wall Manuals



SPW501 Thermal Framing

Square Cut Rails

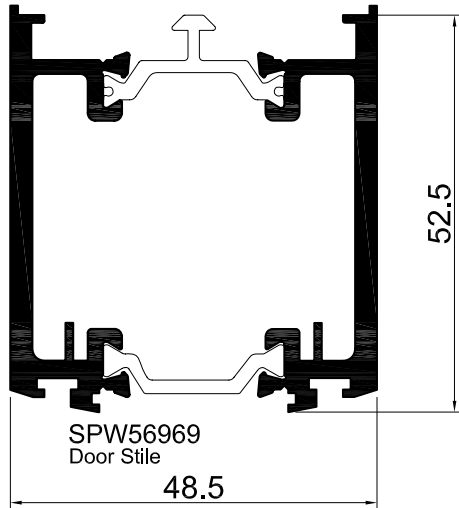
Blank

SPW501.A.18

10.14

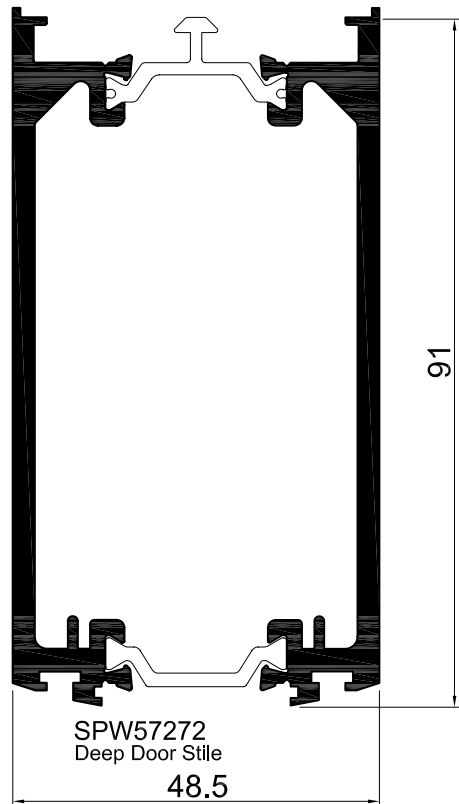
Section Identification - Door Stiles

10.14



Door Stile

ALUMINIUM OUTER	SPW569
ALUMINIUM INNER	SPW569
PERIMETER OUTER	276mm
PERIMETER INNER	219mm
OVERALL EXTERNAL PERIMETER	301mm
POLYAMIDE UPPER	PAW273400S
POLYAMIDE LOWER	PAW956059S
Ixx ←	17.2473cm ⁴
Iyy ↑	18.4558cm ⁴



Deep Door Stile

ALUMINIUM OUTER	SPW572
ALUMINIUM INNER	SPW572
PERIMETER OUTER	346mm
PERIMETER INNER	289mm
OVERALL EXTERNAL PERIMETER	378mm
POLYAMIDE UPPER	PAW273400S
POLYAMIDE LOWER	PAW956059S
Ixx ←	27.4007cm ⁴
Iyy ↑	76.1374cm ⁴



SPW5SCS
Door Stile Cover Strip

Door Stile Cover Strip

SPW5SCS RIGID PVC

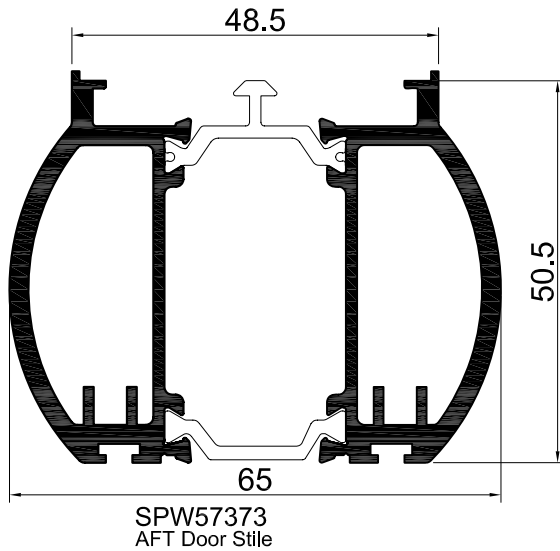
SPW501 Thermal Framing

SPW501.B.102

Square Cut Rails

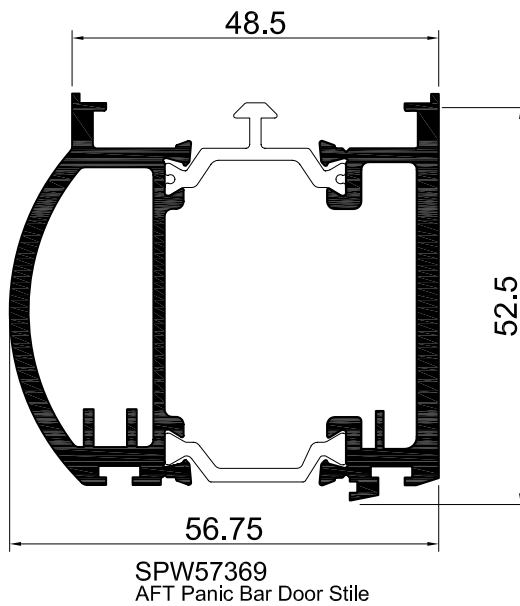
10.14

Section Identification - AFT Door Stiles



AFT Door Stile

ALUMINIUM OUTER	SPW573
ALUMINIUM INNER	SPW573
PERIMETER OUTER	276mm
PERIMETER INNER	219mm
OVERALL EXTERNAL PERIMETER	301mm
POLYAMIDE UPPER	PAW273400S
POLYAMIDE LOWER	PAW956059S
Ixx ←	17.2473cm ⁴
Iyy ↑	18.4558cm ⁴



AFT Panic Bar Door Stile

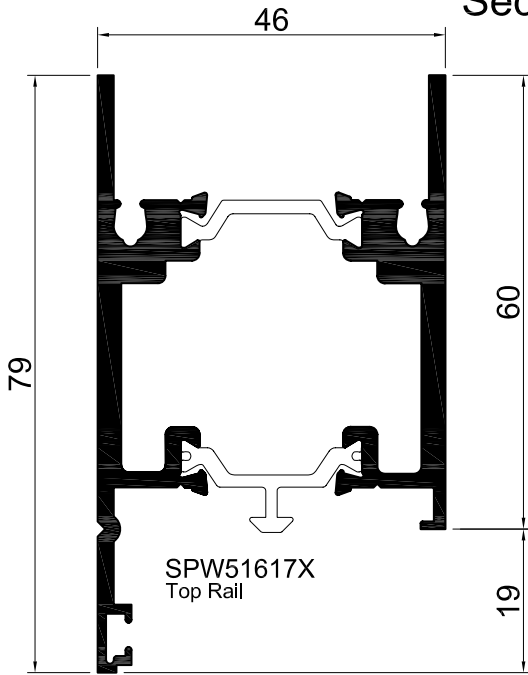
ALUMINIUM OUTER	SPW573
ALUMINIUM INNER	SPW569
PERIMETER OUTER	276mm
PERIMETER INNER	219mm
OVERALL EXTERNAL PERIMETER	301mm
POLYAMIDE UPPER	PAW273400S
POLYAMIDE LOWER	PAW956059S
Ixx ←	17.2473cm ⁴
Iyy ↑	18.4558cm ⁴



SPW5AFTT
Anti Finger Trap Trim

Anti Finger Trap Trim
SPW5AFTT RIGID PVC

Section Identification - Top And Bottom Rails



Top Rail

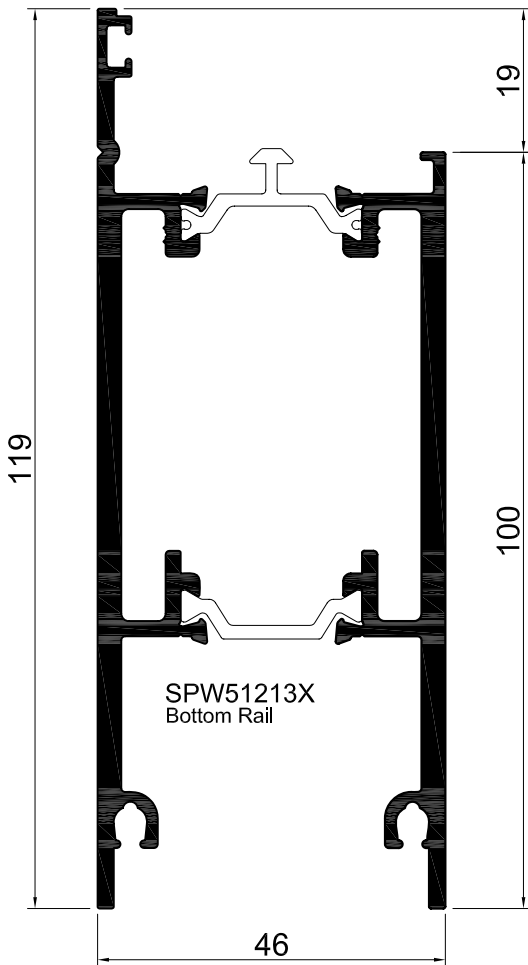
ALUMINIUM OUTER	SPW516
ALUMINIUM INNER	SPW517
PERIMETER OUTER	304mm
PERIMETER INNER	215mm
OVERALL EXTERNAL PERIMETER	344mm
POLYAMIDE UPPER	PAW956059
POLYAMIDE LOWER	PAW273400



SPW580CT18

Ixx ←
Iyy ↑

21.7906cm⁴
19.1728cm⁴



Bottom Rail

ALUMINIUM OUTER	SPW512
ALUMINIUM INNER	SPW513
PERIMETER OUTER	366mm
PERIMETER INNER	314mm
OVERALL EXTERNAL PERIMETER	476mm
POLYAMIDE UPPER	PAW273400
POLYAMIDE LOWER	PAW956059



SPW527CT38

Ixx ←
Iyy ↑

33.1749cm⁴
77.5657cm⁴

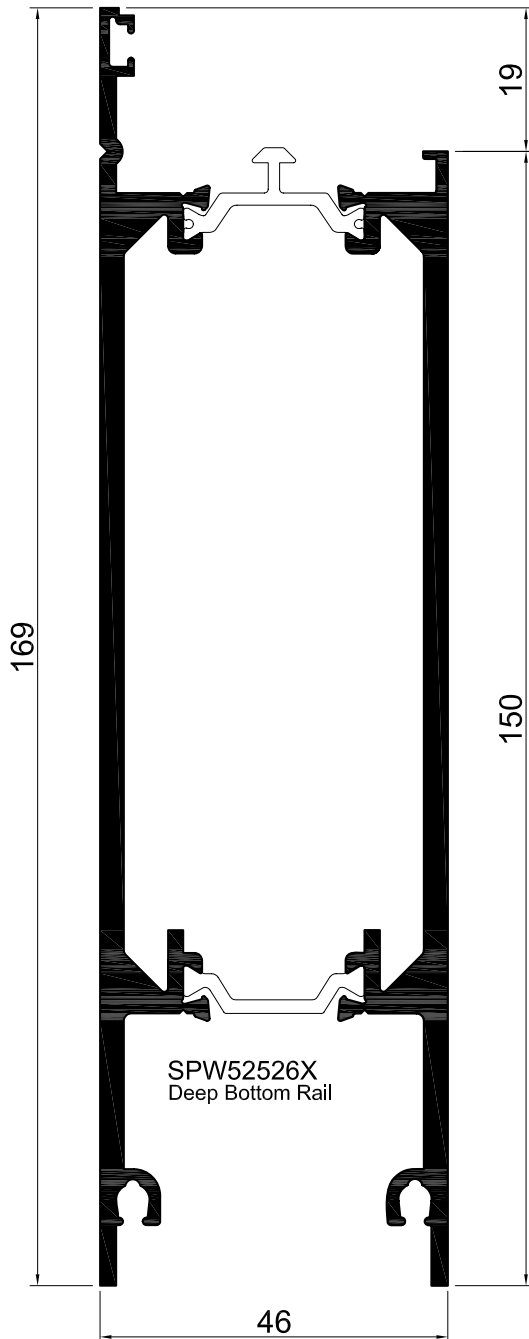
SPW501 Thermal Framing

SPW501.B.104

Square Cut Rails

10.14

Section Identification - Deep Bottom Rail



Deep Bottom Rail

ALUMINIUM OUTER	SPW525
ALUMINIUM INNER	SPW526
PERIMETER OUTER	470mm
PERIMETER INNER	420mm
OVERALL EXTERNAL PERIMETER	576mm
POLYAMIDE UPPER	PAW273400
POLYAMIDE LOWER	PAW956059

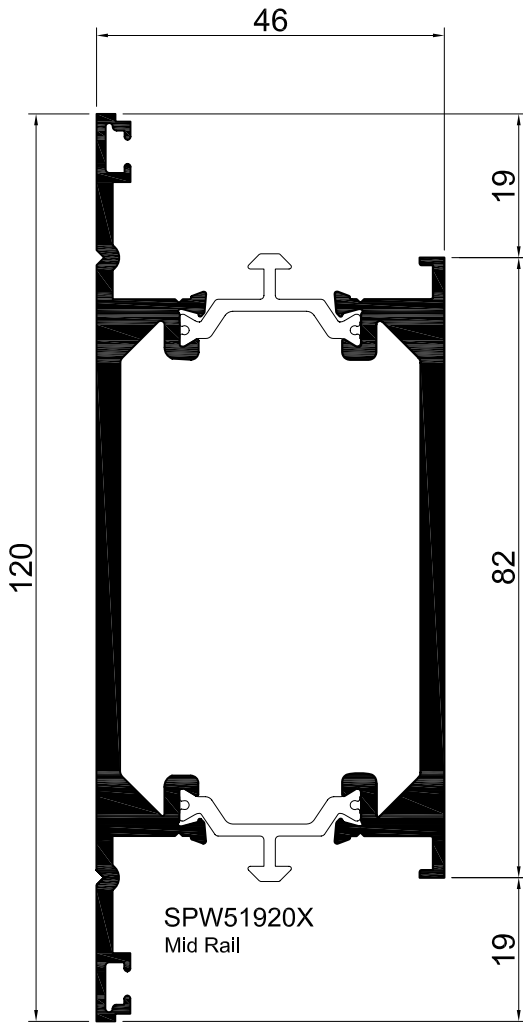


I_{xx} ←
 I_{yy} ↑

SPW527CT88

33.1749cm⁴
77.5657cm⁴

Section Identification - Midrail, Bead And Door Stop



Mid Rail

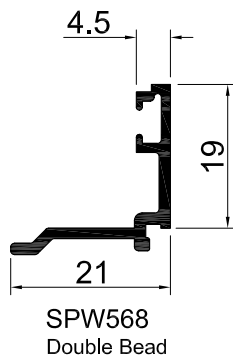
ALUMINIUM OUTER	SPW519
ALUMINIUM INNER	SPW520
PERIMETER OUTER	363mm
PERIMETER INNER	257mm
OVERALL EXTERNAL PERIMETER	401mm
POLYAMIDE UPPER	PAW273400
POLYAMIDE LOWER	PAW273400



I_{xx} ←
 I_{yy} ↑

SPW527CT54

26.2697cm^4
 54.4771cm^4



SPW568
 Bead
 PERIMETER 101mm



SD558
 Door Stop
 PERIMETER 70mm

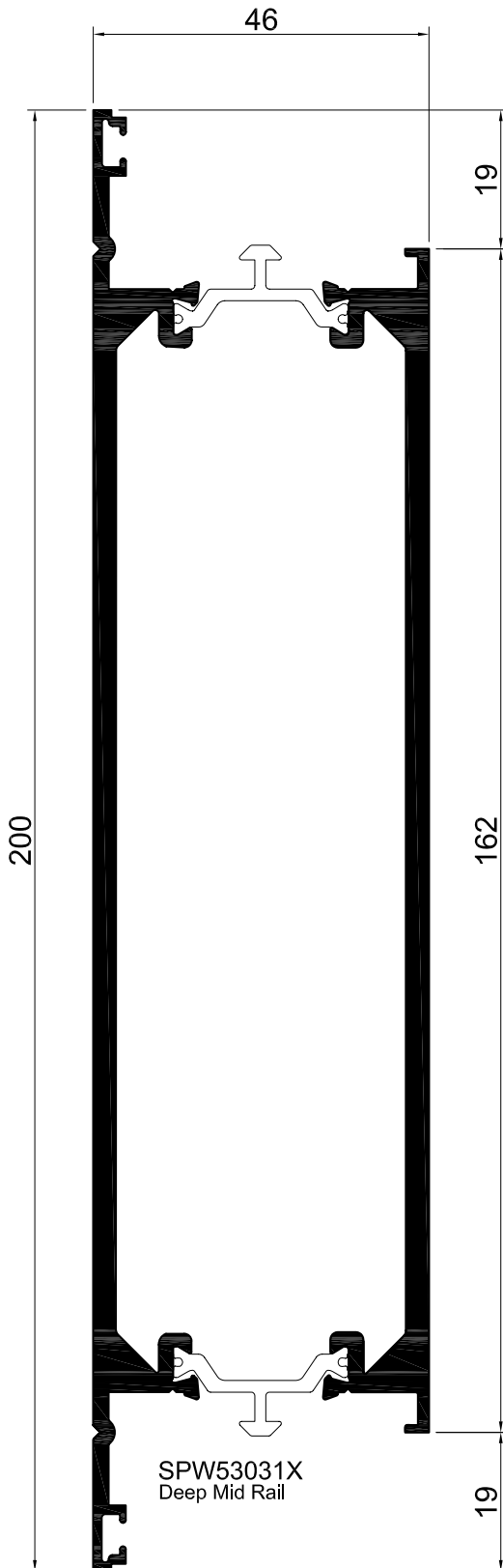
SPW501 Thermal Framing

SPW501.B.106

Square Cut Rails

10.14

Section Identification - Deep Midrail



Deep Mid Rail

ALUMINIUM OUTER	SPW530
ALUMINIUM INNER	SPW531
PERIMETER OUTER	523mm
PERIMETER INNER	417mm
OVERALL EXTERNAL PERIMETER	401mm
POLYAMIDE UPPER	PAW273400
POLYAMIDE LOWER	PAW273400

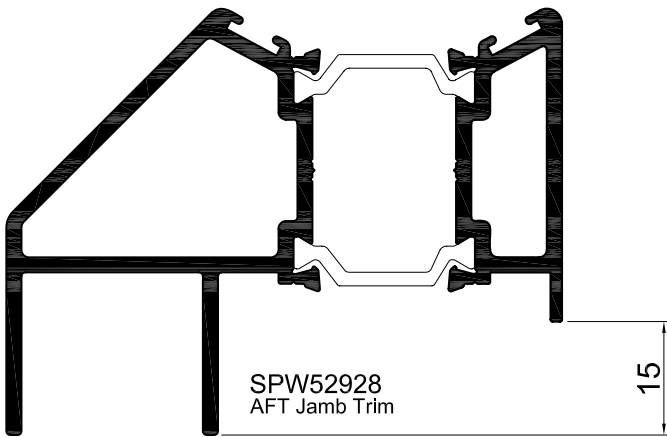


Ixx ↑
Iyy ←

SPW527CT134

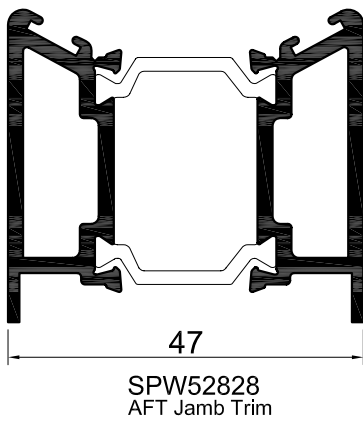
400.0098cm⁴
54.8586cm⁴

Section Identification - Jamb Trims, Rail Cleat And Brush Seal Carrier



AFT Jamb Trim

ALUMINIUM OUTER	SPW529
ALUMINIUM INNER	SPW528
INTERNAL PERIMETER OUTER	140mm
INTERNAL PERIMETER INNER	81mm
EXTERNAL PERIMETER OUTER	140mm
EXTERNAL PERIMETER INNER	81mm
OVERALL EXTERNAL PERIMETER	206mm
POLYAMIDE UPPER	PAW956059S
POLYAMIDE LOWER	PAW956059S
Ixx ←	17.2473cm ⁴
Iyy ↑	18.4558cm ⁴



AFT Jamb Trim

ALUMINIUM OUTER	SPW528
ALUMINIUM INNER	SPW528
INTERNAL PERIMETER OUTER	140mm
INTERNAL PERIMETER INNER	81mm
EXTERNAL PERIMETER OUTER	140mm
EXTERNAL PERIMETER INNER	81mm
OVERALL EXTERNAL PERIMETER	206mm
POLYAMIDE UPPER	PAW956059S
POLYAMIDE LOWER	PAW956059S
Ixx ←	17.2473cm ⁴
Iyy ↑	18.4558cm ⁴

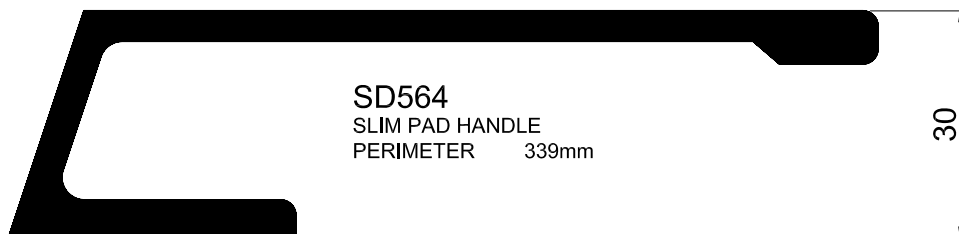
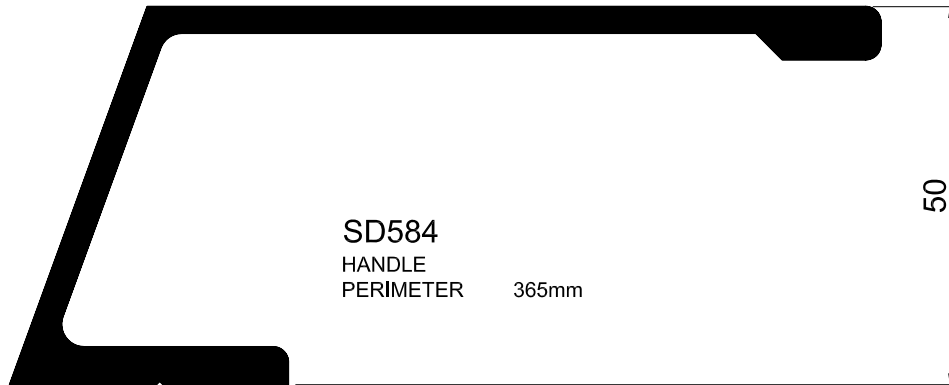
SPW501 Thermal Framing

SPW501.B.108

Square Cut Rails

10.14

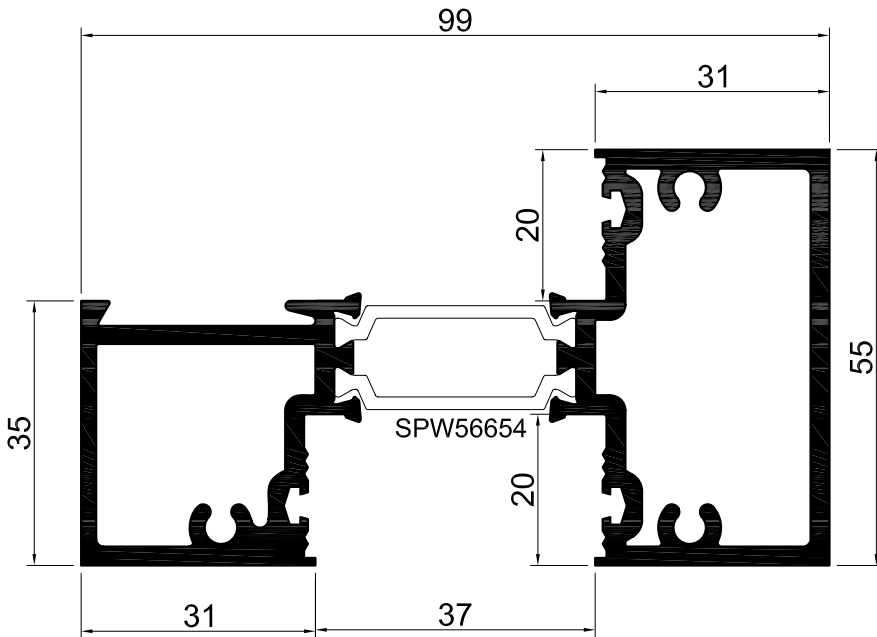
Section Identification - Handles



SPW501 Thermal Framing

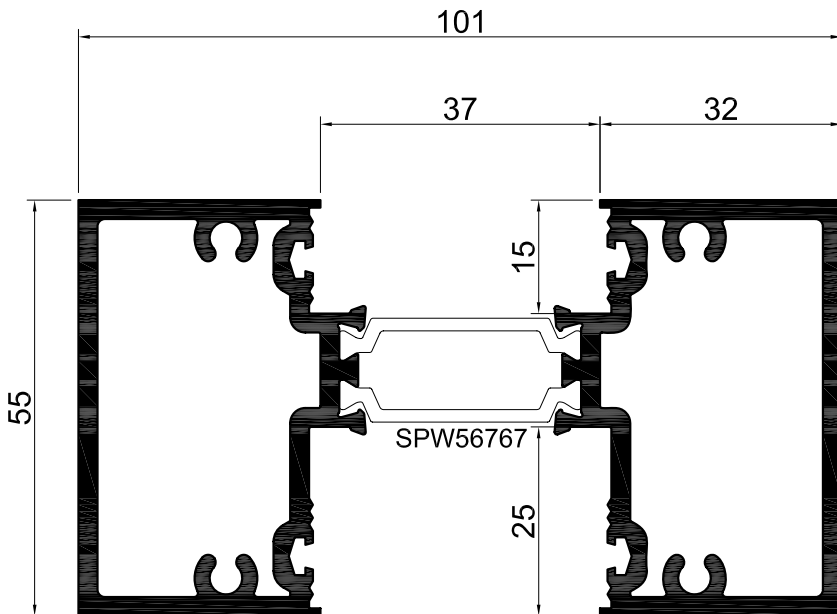
Square Cut Rails

Framing/Transom/Mullion



Thermal Transom

ALUMINIUM OUTER	SPW566
ALUMINIUM INNER	SPW554
INTERNAL PERIMETER OUTER	122 mm
EXTERNAL PERIMETER OUTER	194mm
INTERNAL PERIMETER INNER	197mm
EXTERNAL PERIMETER INNER	228mm
OVERALL EXTERNAL PERIMETER	400mm
POLYAMIDE UPPER	PAW939700
POLYAMIDE LOWER	PAW939700
I_{xx} ←	103.8213cm ⁴
I_{yy} ↑	27.4209cm ⁴



Thermal Mullion

ALUMINIUM OUTER	SPW567
ALUMINIUM INNER	SPW567
INTERNAL PERIMETER OUTER	N/A mm
EXTERNAL PERIMETER OUTER	198mm
INTERNAL PERIMETER INNER	197mm
EXTERNAL PERIMETER INNER	228mm
OVERALL EXTERNAL PERIMETER	408mm
POLYAMIDE UPPER	PAW939700
POLYAMIDE LOWER	PAW939700
I_{xx} ←	125.9457cm ⁴
I_{yy} ↑	38.9937cm ⁴

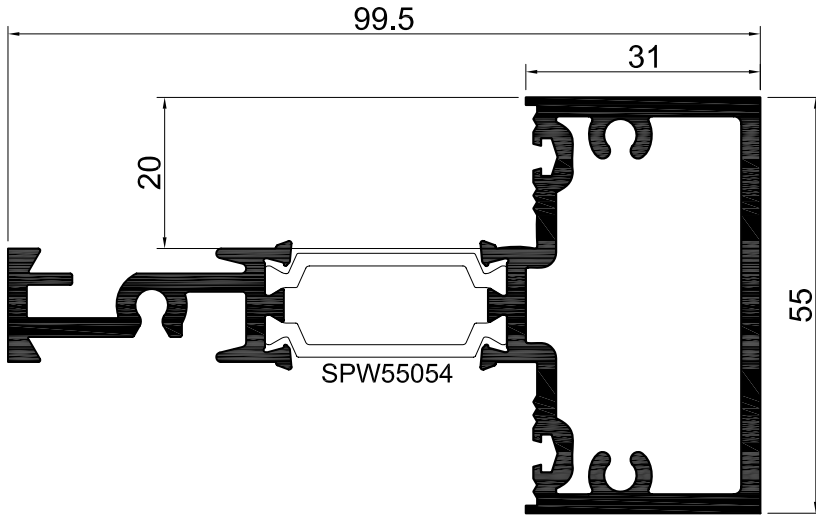
SPW501 Thermal Framing

SPW501.B.202

Square Cut Rails

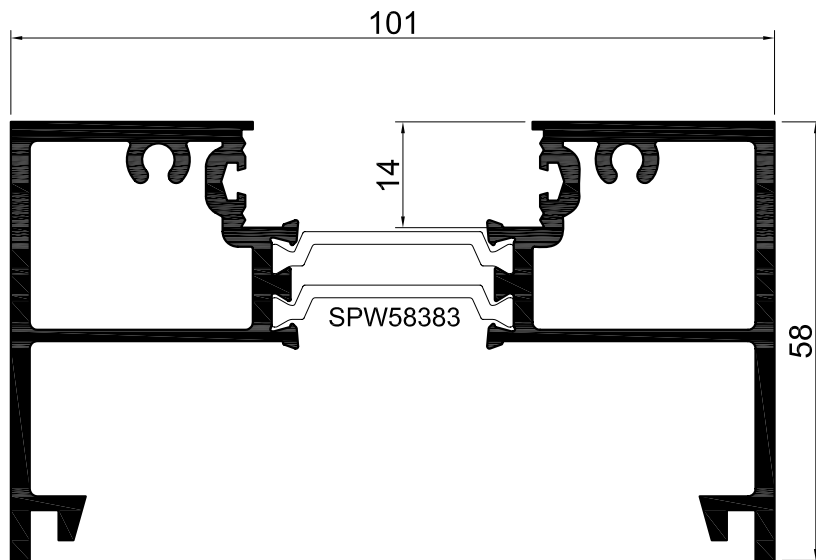
10.14

Shuffle Glaze Transom And Mullion and 58mm Universal Frame



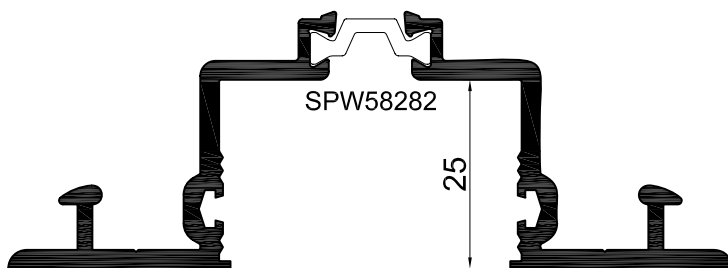
Thermal Transom

ALUMINIUM OUTER	SPW550
ALUMINIUM INNER	SPW554
INTERNAL PERIMETER OUTER	N/A mm
EXTERNAL PERIMETER OUTER	198mm
INTERNAL PERIMETER INNER	197mm
EXTERNAL PERIMETER INNER	228mm
OVERALL EXTERNAL PERIMETER	408mm
POLYAMIDE UPPER	PAW939700
POLYAMIDE LOWER	PAW939700
Ixx ←	73.4822cm ⁴
Iyy ↑	19.4221cm ⁴



58mm Shuffle Glaze Coupling Mullion

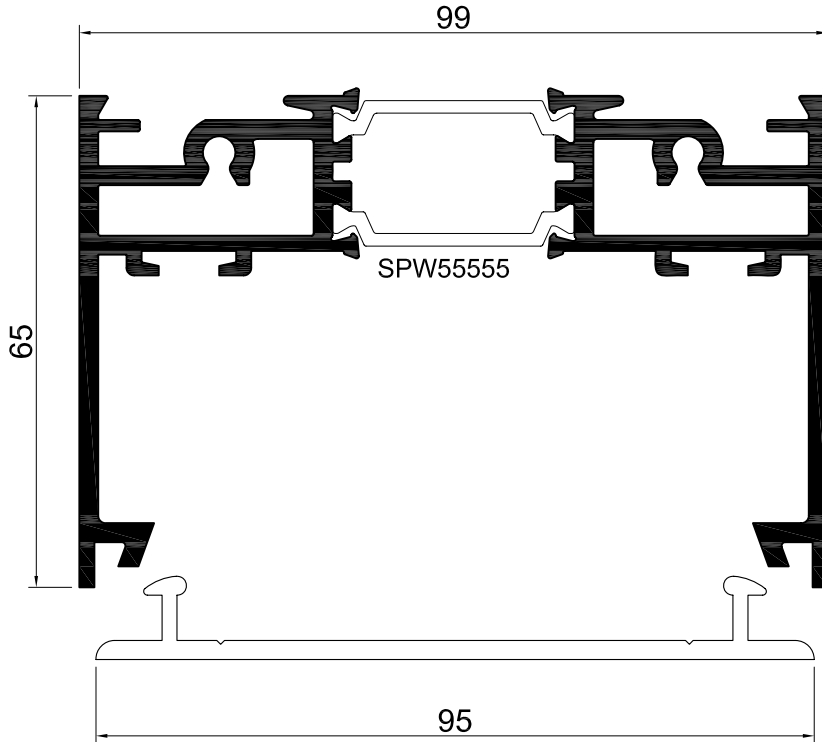
ALUMINIUM OUTER	SPW583
ALUMINIUM INNER	SPW583
INTERNAL PERIMETER OUTER	123mm
EXTERNAL PERIMETER OUTER	242mm
INTERNAL PERIMETER INNER	123mm
EXTERNAL PERIMETER INNER	242mm
OVERALL EXTERNAL PERIMETER	408mm
POLYAMIDE UPPER	PAW939700
POLYAMIDE LOWER	PAW939700
Ixx ←	119.7401cm ⁴
Iyy ↑	23.4142cm ⁴



58mm Shuffle Glaze Coupling Mullion Pocket

ALUMINIUM OUTER	SPW582
ALUMINIUM INNER	SPW582
INTERNAL PERIMETER OUTER	N/A mm
EXTERNAL PERIMETER OUTER	195mm
INTERNAL PERIMETER INNER	N/A mm
EXTERNAL PERIMETER INNER	195mm
OVERALL EXTERNAL PERIMETER	385mm
POLYAMIDE UPPER	PAW219900
POLYAMIDE LOWER	PAW219900
Ixx ←	31.2555cm ⁴
Iyy ↑	5.0954cm ⁴

Section Identification - Header Bar and 72mm Universal Frame

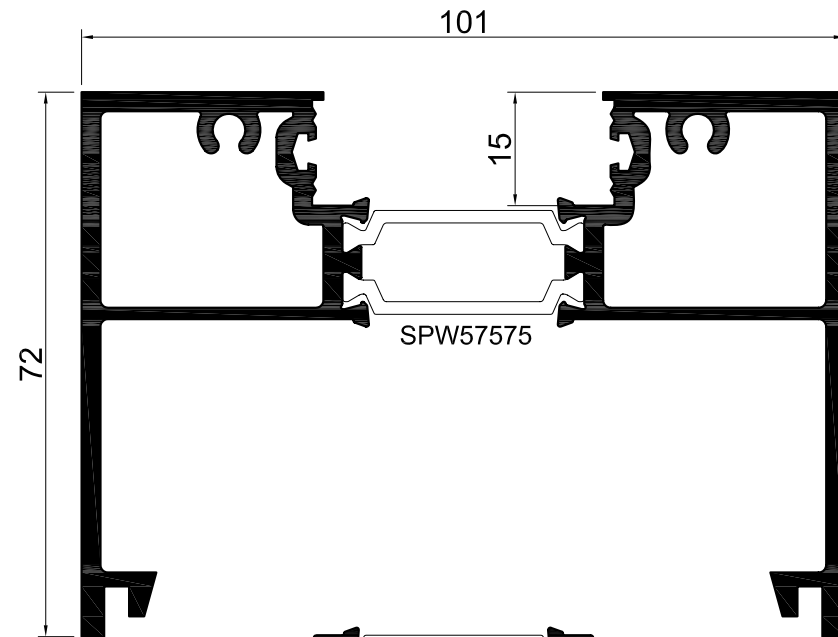


Thermal Header Bar

ALUMINIUM OUTER	SPW555
ALUMINIUM INNER	SPW555
INTERNAL PERIMETER OUTER	93 mm
EXTERNAL PERIMETER OUTER	301mm
INTERNAL PERIMETER INNER	93mm
EXTERNAL PERIMETER INNER	301mm
OVERALL EXTERNAL PERIMETER	363mm
POLYAMIDE UPPER	PAW939700
POLYAMIDE LOWER	PAW939700
Ixx ←	133.2604cm ⁴
Iyy ↑	29.6131cm ⁴

SRA021

PVC BACK PLATE - BLACK
SRA021W
PVC BACK PLATE - WHITE

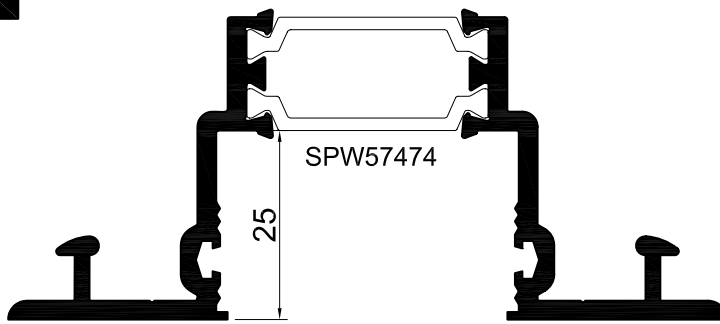


72mm Shuffle Glaze Coupling Mullion

ALUMINIUM OUTER	SPW575
ALUMINIUM INNER	SPW575
INTERNAL PERIMETER OUTER	130 mm
EXTERNAL PERIMETER OUTER	272mm
INTERNAL PERIMETER INNER	130 mm
EXTERNAL PERIMETER INNER	272mm
OVERALL EXTERNAL PERIMETER	526mm
POLYAMIDE UPPER	PAW939700
POLYAMIDE LOWER	PAW939700
Ixx ←	138.4625cm ⁴
Iyy ↑	41.9404cm ⁴

72mm Shuffle Glaze Coupling Mullion Pocket/ Header Pocket Plate

ALUMINIUM OUTER	SPW574
ALUMINIUM INNER	SPW574
INTERNAL PERIMETER OUTER	N/A mm
EXTERNAL PERIMETER OUTER	203mm
INTERNAL PERIMETER INNER	N/Amm
EXTERNAL PERIMETER INNER	203mm
OVERALL EXTERNAL PERIMETER	389mm
POLYAMIDE UPPER	PAW939700
POLYAMIDE LOWER	PAW939700
Ixx ←	32.7869cm ⁴
Iyy ↑	7.6818cm ⁴



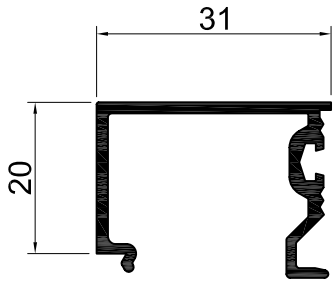
SPW501 Thermal Framing

SPW501.B.204

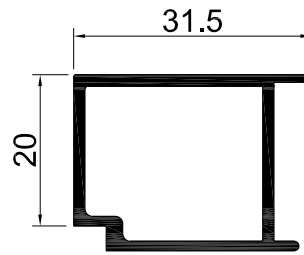
Square Cut Rails

10.14

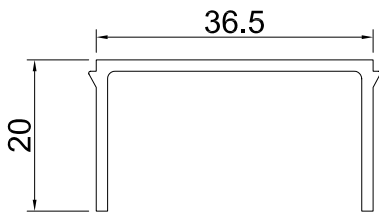
Section Identification - Bead, Jamb Closer, Infill Etc.



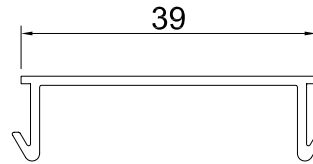
SPW556
28mm BEAD
PERIMETER 178mm



SPW557
DOOR JAMB CLOSER
EXT PERIMETER 116mm
INT PERIMETER 87mm

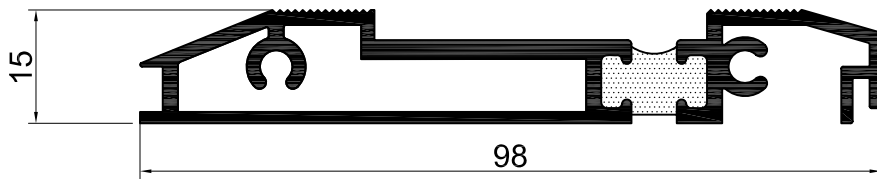


SPW5JI
PVC JAMB IN-FILL



SPW5JISG
PVC JAMB IN-FILL SHUFFLE GLAZE

Section Identification - Thresholds

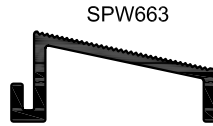


SPW560NT
Thermal Threshold

PLEASE NOTE: ENSURE THIS SECTION IS ORDERED THERMALLY BROKEN I.E. SFG560NT

Thermal Threshold

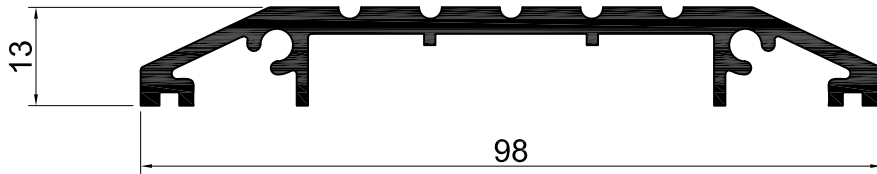
ALUMINIUM OUTER	SPW560NT
INTERNAL PERIMETER	160 mm
EXTERNAL PERIMETER	341mm



SPW663
Low Threshold Ramp

Low Threshold Ramp

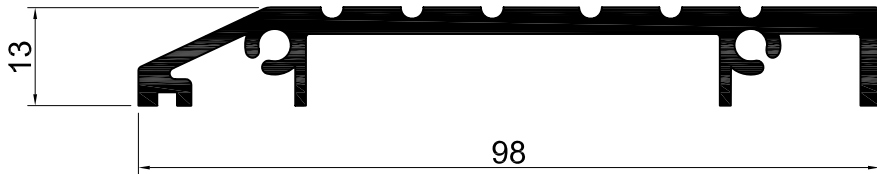
PERIMETER 105mm



SD583
Standard Threshold

Standard Threshold

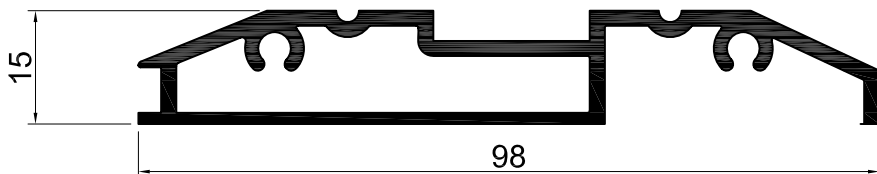
PERIMETER 306mm



SD598
Square Eded Threshold

Square Eded Threshold

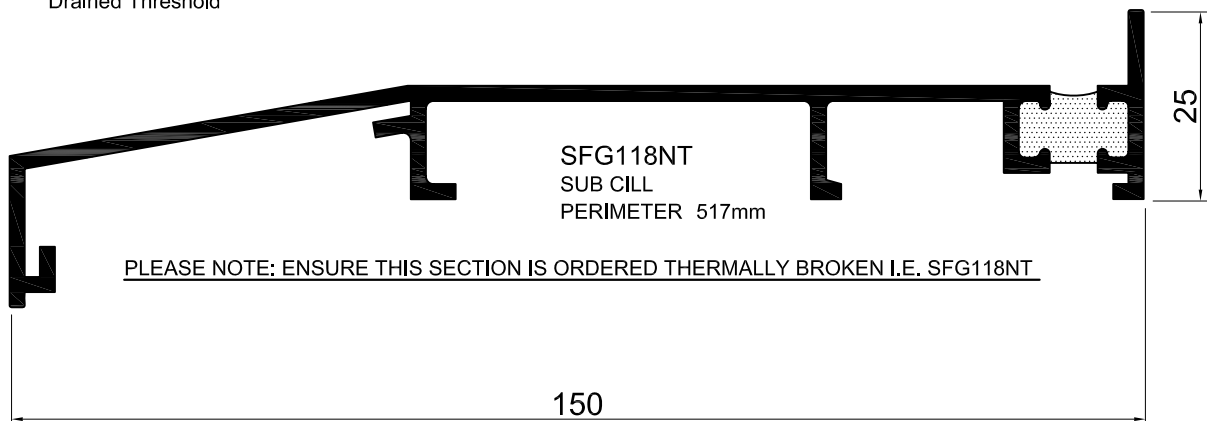
PERIMETER 309mm



SD501
Drained Threshold

Drained Threshold

PERIMETER 272mm
INT.PERIMETER 147mm



SFG118NT
SUB CILL
PERIMETER 517mm

PLEASE NOTE: ENSURE THIS SECTION IS ORDERED THERMALLY BROKEN I.E. SFG118NT

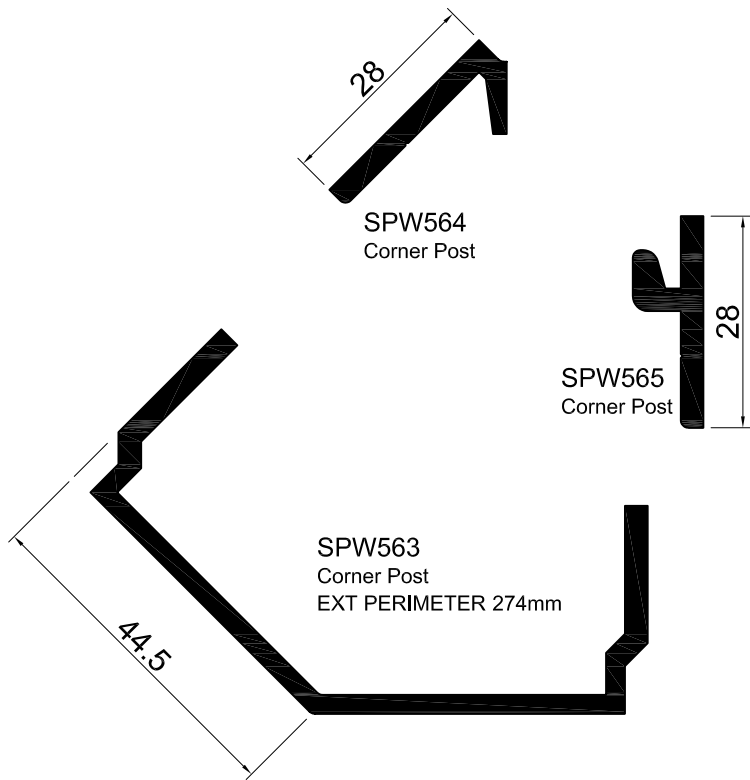
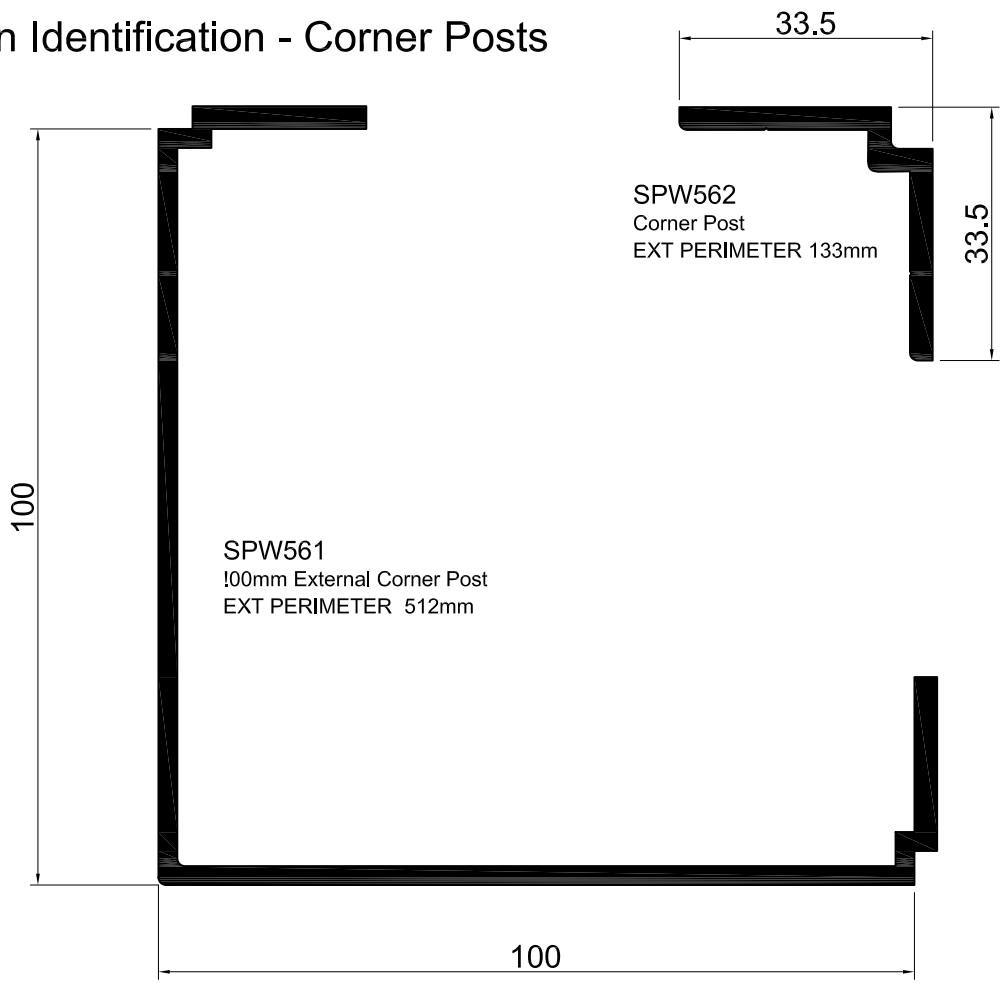
SPW501 Thermal Framing

SPW501.B.206

Square Cut Rails

10.14

Section Identification - Corner Posts

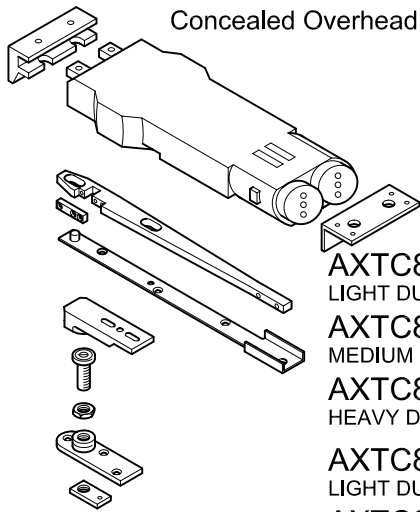


SPW501 Thermal Framing

Square Cut Rails

Accessories - Closers and Bracketry

Concealed Overhead Closers

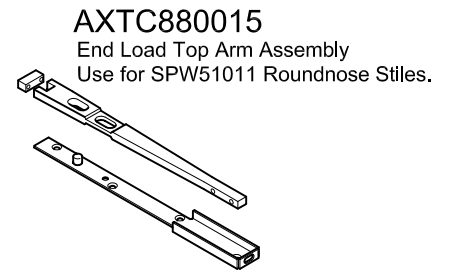


- AXTC881190**
LIGHT DUTY 90° Hold Open Closer Complete
- AXTC881290**
MEDIUM DUTY 90° Hold Open Closer Complete
- AXTC881390**
HEAVY DUTY 90° Hold Open Closer Complete
- AXTC881100**
LIGHT DUTY No Hold Closer Complete
- AXTC881200**
MEDIUM DUTY No Hold Closer Complete
- AXTC881300**
HEAVY DUTY No Hold Closer Complete
- AXTC8800DUMMY**
Dummy Closer Complete

Closer Components Available Separately



AXTC8800T13
Side Load Top Arm Assembly



AXTC880015
End Load Top Arm Assembly
Use for SPW51011 Roundnose Stiles.



AXTC880013
Special Top Arm Assembly
Short Side Load

SD24LN 
Additional Locking Nut For Bottom Pivot

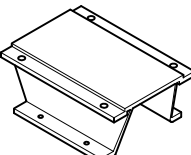
 **SDTHW**
Sq. Washer For SD501

 **SDTEE**
Tee Nut

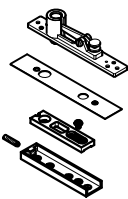
 **SDTW**
Spring Washer

 **SDTS**
Tee Nut Screw

 **AXTC880003**
'F' Bracket with Screws(Set A)

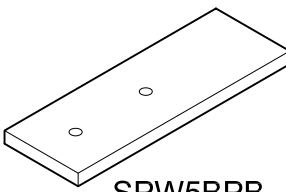
 **SFG139RCUT**
Header Bar Packer

 **AXTC880002**
Bottom Pivot Assembly

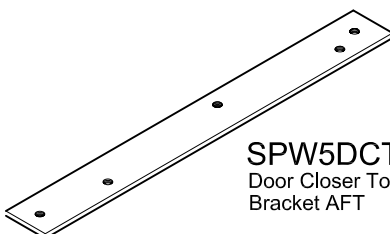
 **AXFS60000114+0115**
Retractable Heavy Duty Top Centre

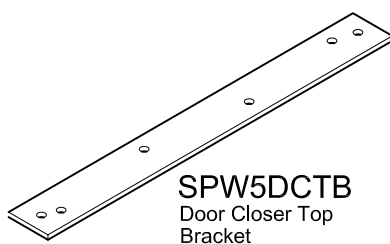
SPW5DCBBAFT
Door Closer Bottom
Bracket AFT



 **SPW5BPB**
Bottom Pivot Bracket

 **SPW5DCBB**
Door Closer Bottom
Bracket

 **SPW5DCTBAFT**
Door Closer Top
Bracket AFT

 **SPW5DCTB**
Door Closer Top
Bracket

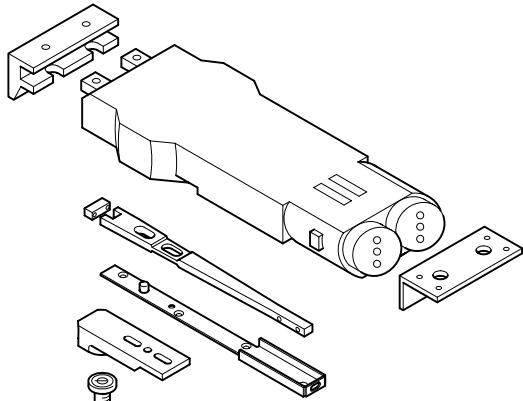
SPW501 Thermal Framing

SPW501.C.02

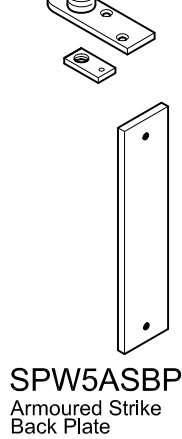
Square Cut Rails

10.14

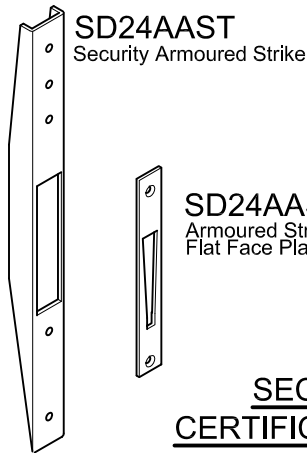
Accessories - PAS24 Accessories - *Single Door Only*



- SD51142997N
HEAVY DUTY Hold Open End Load AFT Closer - Complete
- SD51141997N
HEAVY DUTY No Hold Open End Load AFT Closer - Complete
- SD51132997N
MEDIUM DUTY Hold Open End Load AFT Closer - Complete
- SD51131997N
MEDIUM DUTY No Hold Open End Load AFT Closer - Complete
- SD51122997N
LIGHT DUTY Hold Open End Load AFT Closer - Complete
- SD51121997N
LIGHT DUTY No Hold Open End Load AFT Closer - Complete



SPW5ASBP
Armoured Strike
Back Plate



SD24AAST
Security Armoured Strike



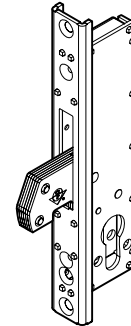
SD24AASTFP
Armoured Strike
Flat Face Plate



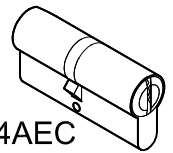
SD24AHLFPF
Face Plate



SD24AESC
Security Escutcheon



SD24AHL
Sentinel Hook Lock

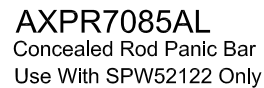
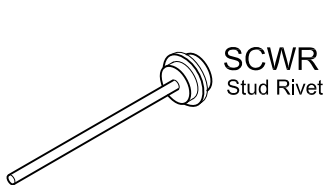
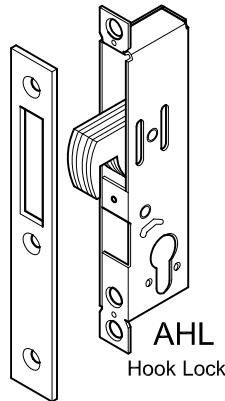
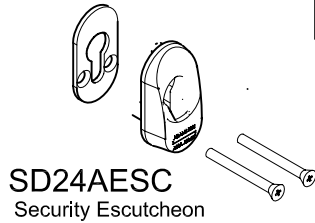
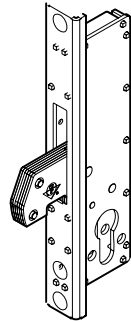
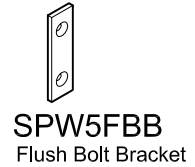
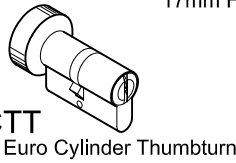


SD24AEC
Kitemark Cylinder

SECURITY TEST PAS24 CERTIFICATE CHILT/P10113/REV1

HARDWARE	PRODUCT CODE	FIXING DETAILS
CLOSER	SD511XX997N	INCLUDED IN CLOSER KIT
CLOSER	SD511XX997N	2No. SFSPM0630 1No. SFSPS01 INTO LEAF. INTEGRAL BOLT INTO RECIEVER THROUGH THRESHOLD WITH WASHER SDTHW AND ADDITIONAL LOCK NUT SD24LN. LOCTITE WAS APPLIED TO ALL NUTS & HELD WITH 1No. MACHINE SCREW FROM KIT.
LOCKING MECHANISM	<u>2No.</u> SD24AHL	4.No. SFSCM0510 PER LOCK
KEEPS	<u>2No.</u> SD24AAST c/w SD24AASTFP	FIXINGS SUPPLIED WITH THE SD24AAST
HANDLES	SD584	2No. SDTHR THREADED BARS c/w SDDN NUTS
CYLINDER	2No. SD24AEC	FIXINGS SUPPLIED WITH SD24AECS
CYLINDER GUARD	2No. SD24AESC	FIXINGS SUPPLIED WITH SD24AESC

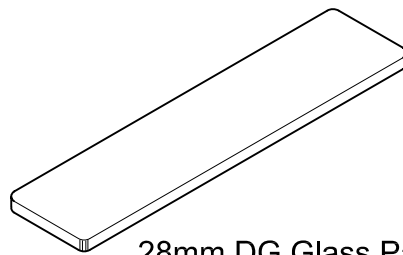
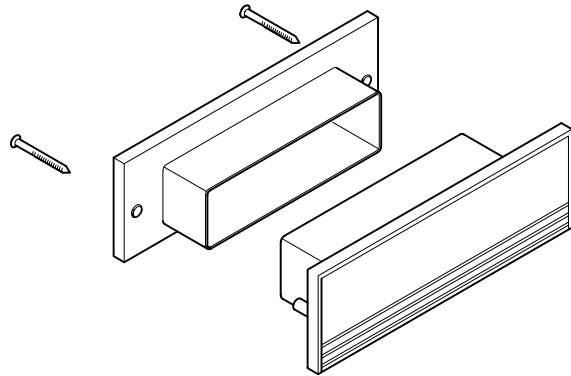
Accessories - Locks And Fittings



Sleeved Letterplates

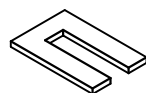
Overall Letterplate Size 295mm x 65mm
Aperture Size 253mm x 36mm (for A4 envelopes)

- SLP2 Sleeved Letterplate - Mill Finish, Unassembled
- SLP2N Sleeved Letterplate - Natural Anodised, (S.A.A.)
- SLP2A Sleeved Letterplate - Anolok 547 Bronze Anodised
- SLP2P Sleeved Letterplate - Powder Coated

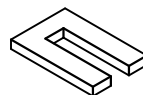


28mm DG Glass Packs

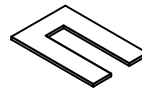
- SGP28x1mm 28mm x 100mm DG Glass Packer @ 1mm thick, Green.
- SGP28x2mm 28mm x 100mm DG Glass Packer @ 2mm thick, Black.
- SGP28x3mm 28mm x 100mm DG Glass Packer @ 3mm thick, White.
- SGP28x4mm 28mm x 100mm DG Glass Packer @ 4mm thick, Grey.
- SGP28x5mm 28mm x 100mm DG Glass Packer @ 5mm thick, Blue.
- SGP28x6mm 28mm x 100mm DG Glass Packer @ 6mm thick, Red.



SPS3
3mm Fixing Packer

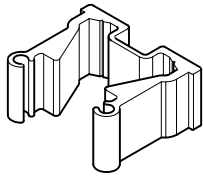


SPS5
5mm Fixing Packer

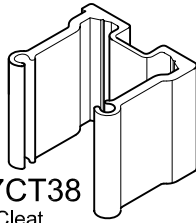


SPS1
1.5mm Fixing Packer

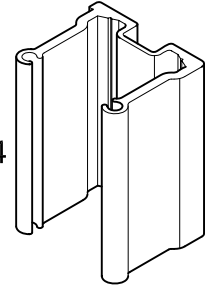
Accessories - Cleats And Fixings



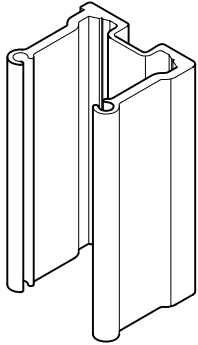
SPW580CT18
Top Rail Cleat



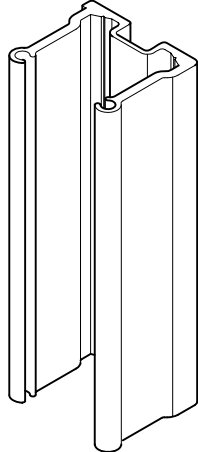
SPW527CT38
Bottom Rail Cleat



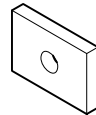
SPW527CT54
MidRail Cleat



SPW527CT88
Deep Bottom Rail Cleat



SPW527CT134
Deep MidRail Cleat



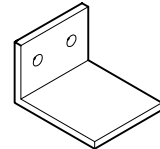
SPW5TBBP
Tie Bar Back Plate



SPW5SGA
Shuffle Glaze Angle



SPW5TBBPAFT
Tie Bar Back Plate



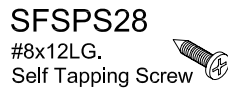
SPW5MA
Midrail Angle Bracket



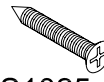
SPW5CP
Cruciform Jointing Plate



SPW5CA
Cruciform Jointing Angle



SFSPS28
#8x12LG.
Self Tapping Screw



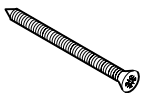
SFSCS1025
#10x25LG.
Self Tapping Screw



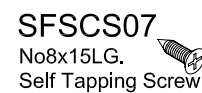
SFSPM0620
M6x20 Long P/Head Machine Screw



SFSCM0530
M5 x 30 Long C/Sink Screws



SFSCS03
No8x12LG C/SK
Self Tapping Screw



SFSCS07
No8x15LG.
Self Tapping Screw



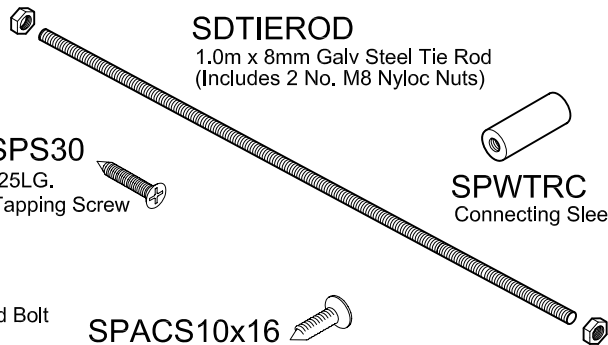
SFSPM0630
M6x30 Long P/Head Machine Screw



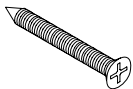
SFSCS1080
No10x80LG C'sk ST
Screw



SFSCM0510
M5x10Lg C'sk
M/C Screw



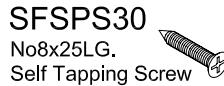
SDTIEROD
1.0m x 8mm Galv Steel Tie Rod
(Includes 2 No. M8 Nyloc Nuts)



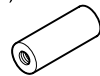
SFSCS1035
No10x35LG.
Self Tapping Screw



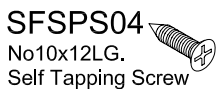
SFSPS33
No8x19LG.
Self Tapping Screw



SFSPS30
No8x25LG.
Self Tapping Screw



SPWTRC
Connecting Sleeve



SFSPS04
No10x12LG.
Self Tapping Screw



SFSSM31
M8 x 40mm Socket Head Bolt



SPACS10x16
No10x16LG C/Sk Screw



SFSPS01
No10x32LG C/Sk Screw



SFSCS29
No8x40LG.
Self Tapping Screw



SFSCS850
No8x50LG C/Sk Screw



SFSPS05
No10x19LG.
Self Tapping Screw



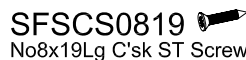
SRAM8SW
M8 Spring Washer



SFSLN08
M8 Lock Nut



SFSCM0612
M6x12lg C'sk M/C Screws



SFSCS0819
No8x19Lg C'sk ST Screw



SFSCM0410
M4x10Lg C'sk M/C Screw

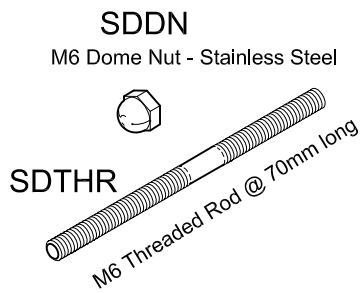
SPW501 Thermal Framing

Square Cut Rails

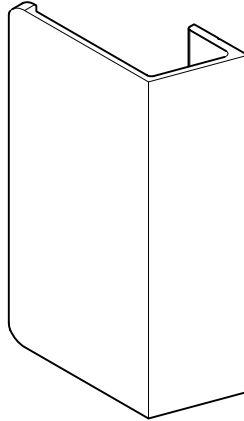
Accessories - Pad Handles

SPW501.C.06

10.14



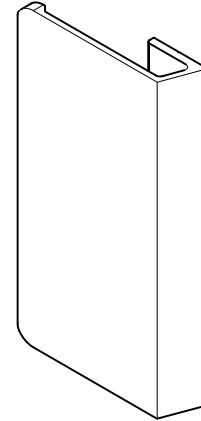
SD584
Standard Pad Handle



STANDARD PAD HANDLES

- SD5848**
Mill Finish
- SD5848N**
Silver Anodised
- SD5848A**
Anolok Bronze 547
- SD5848P**
Powder Coated

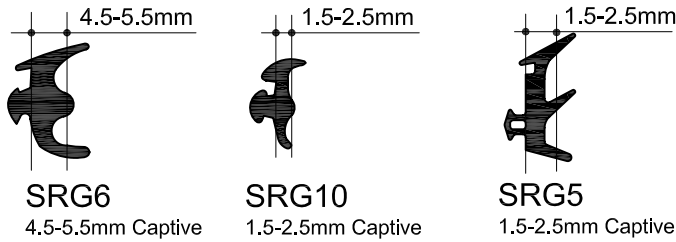
SD564
Slimline Pad Handle



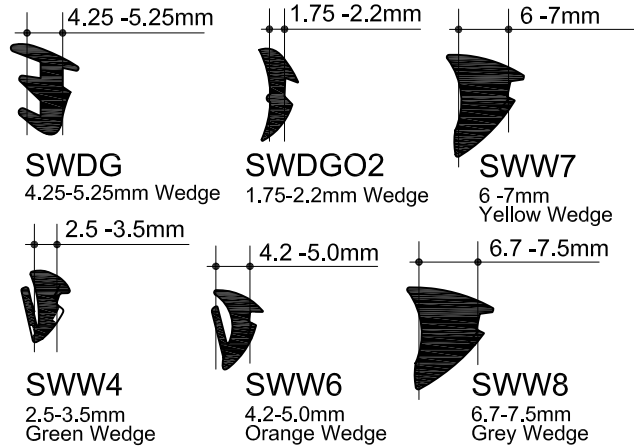
SLIM PAD HANDLES

- SD564200**
Mill Finish
- SD564200N**
Silver Anodised
- SD564200A**
Anolok Bronze 547
- SD564200P**
Powder Coated

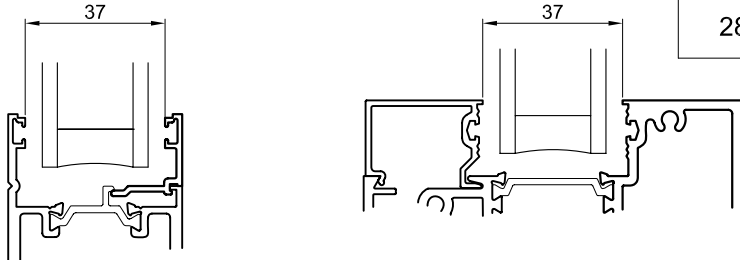
Accessories - Gasket And Brush Pile



Wedge Gaskets



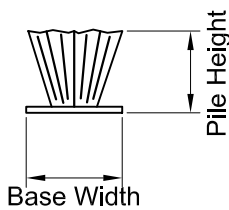
Bead Glazing, Door Sections			
Glass Thickness (mm)	Wedge	Captive	2 x Wedges (alternative)
28.0	SWW8	SRG10	SWW6 + SWDG
Bead Glazing, Framing Sections			
Glass Thickness (mm)	Wedge	Captive	2 x Wedges (alternative)
28.0	SWW7	SRG5	SWW7 + SWW6
Shuffle Glazing, Framing Sections			
Glass Thickness (mm)	Wedge	Captive	2 x Wedges (alternative)
28.0	SWW7	SRG5	SWW7 + SWW6



NOTE: Sizes are nominal.
Wedge Gaskets may need to be altered to accommodate tolerances in extrusion, glass and infill panels.

Weatherpiles For Doors and Framing

Reference	To Fit Section	Base Width	Pile Height	? Fin
SDWP02	SPW51415, SPW52122	5.10	12.00	Yes
NOWP 6.7600P	SPW52828	6.70	6.00	No



SDBR15
15mm Brushpile for
SPW51213 & SPW52526

SDBR21
21mm Brushpile for
SPW51617

SPW501 Thermal Framing

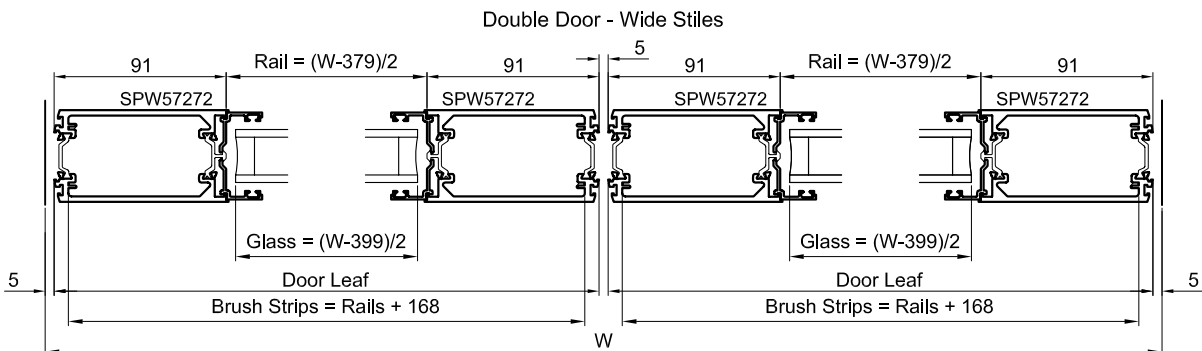
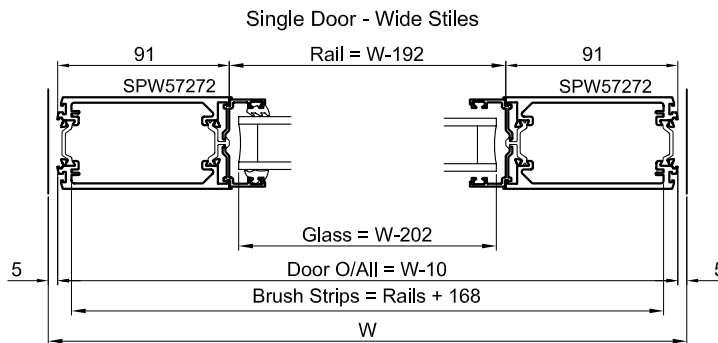
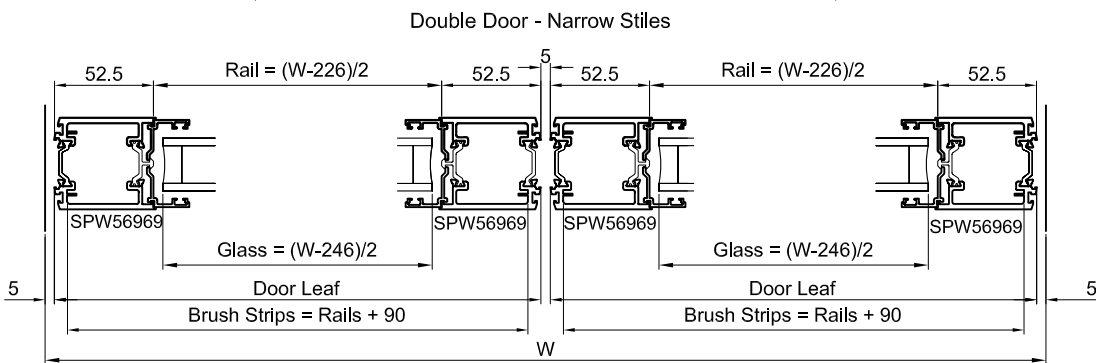
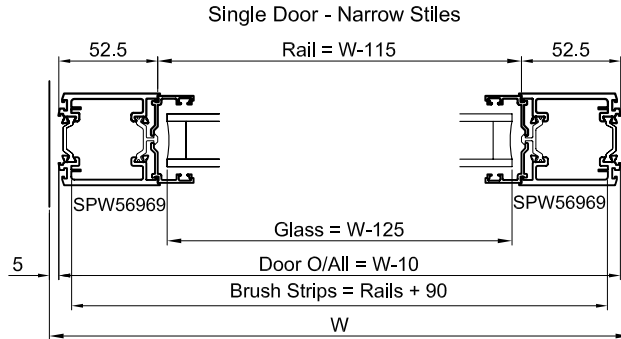
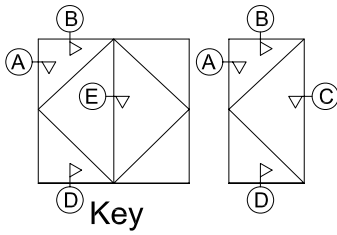
Square Cut Rails

Blank

SPW501.C.08

10.14

10.14



Note: Use SPW57272 Wide Stile When Fitting Concealed Panic Bars
Tie Bar Cutting Size = Rail Size + 54

SPW501 Thermal Framing

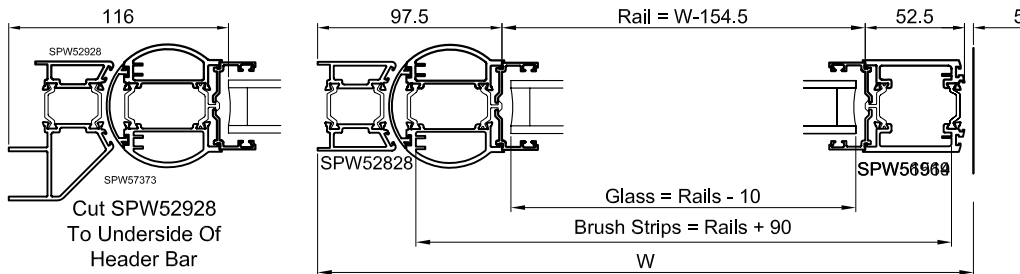
SPW501.D.102

Square Cut Rails

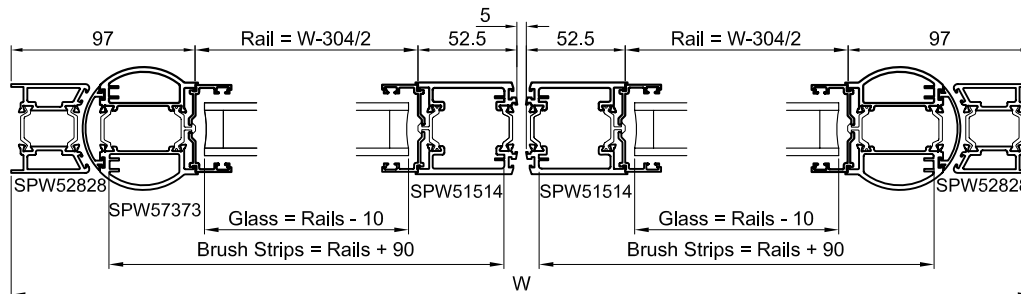
10.14

Deductions - Anti-Finger Trap Stiles

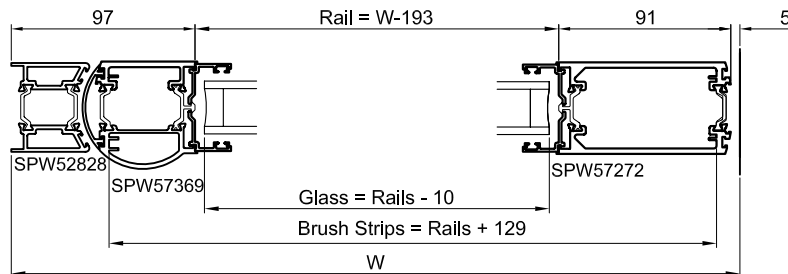
Single Door - Narrow Stiles



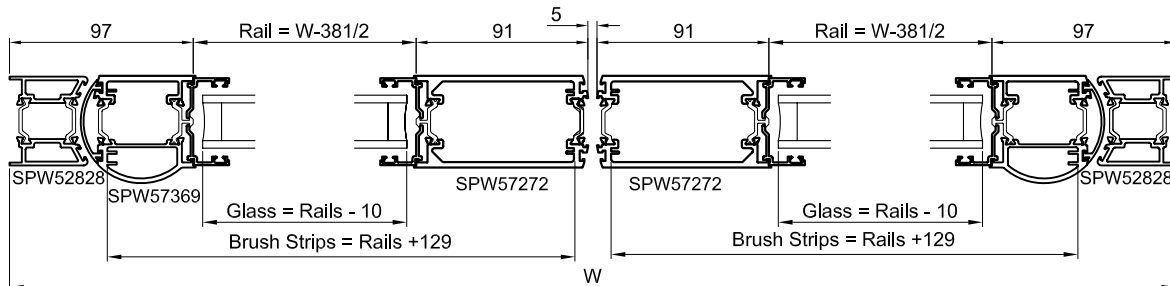
Double Door - Narrow Stiles



Single Door - Wide Stiles

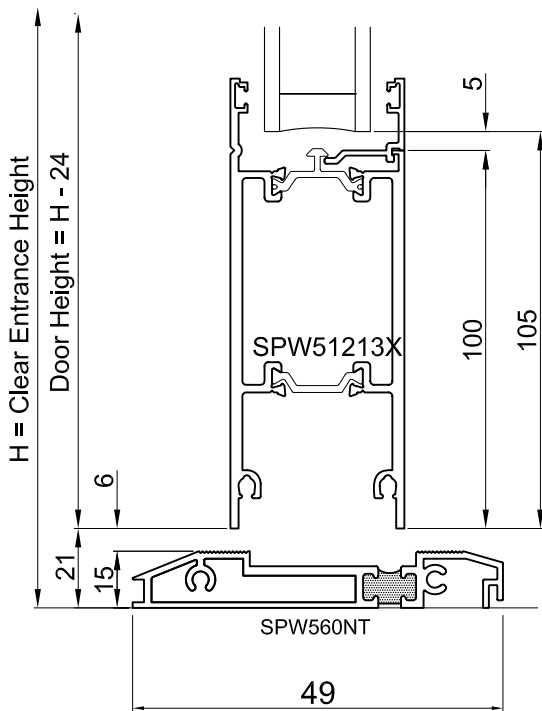
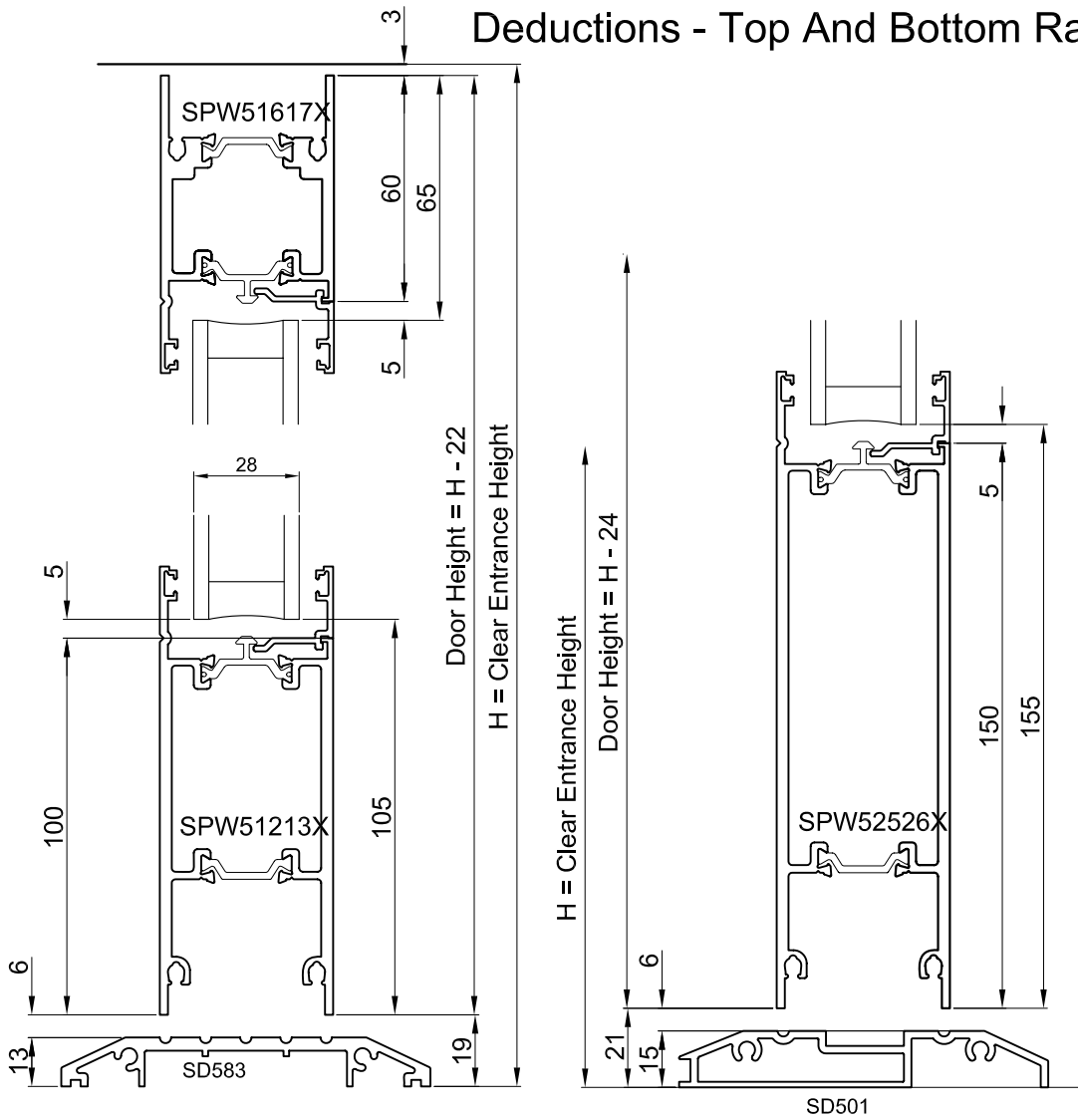


Double Door - Wide Stiles



Note: Use SPW57272 Wide Stile When Fitting Concealed Panic Bars
Tie Bar Cutting Size = Rail Size + 54

Deductions - Top And Bottom Rails



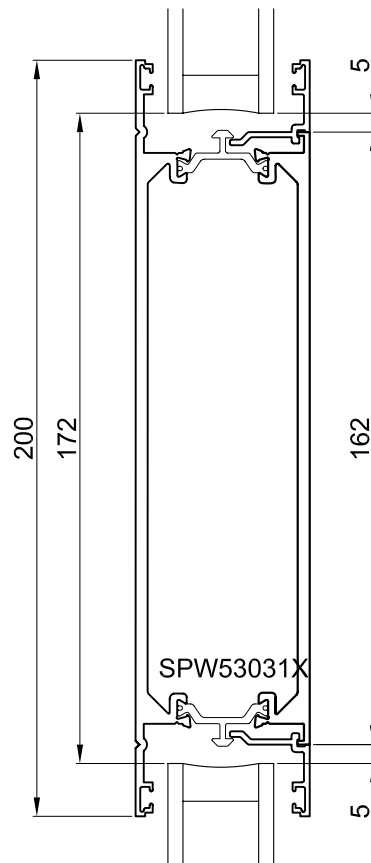
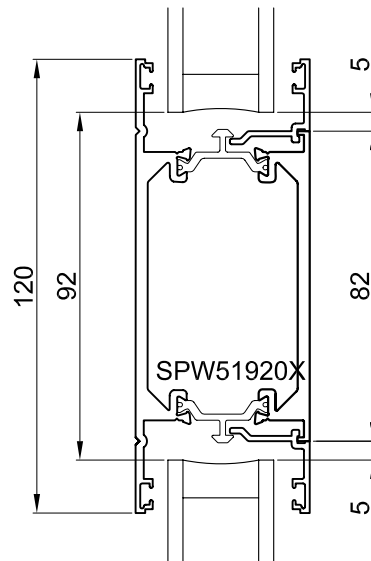
SPW501 Thermal Framing

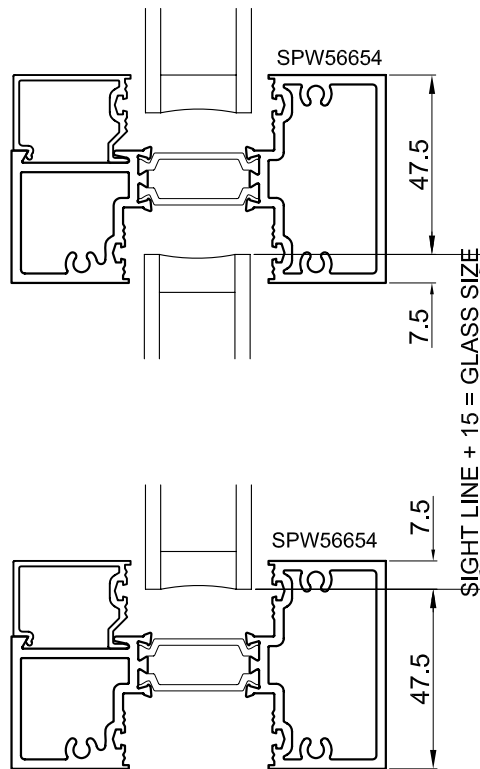
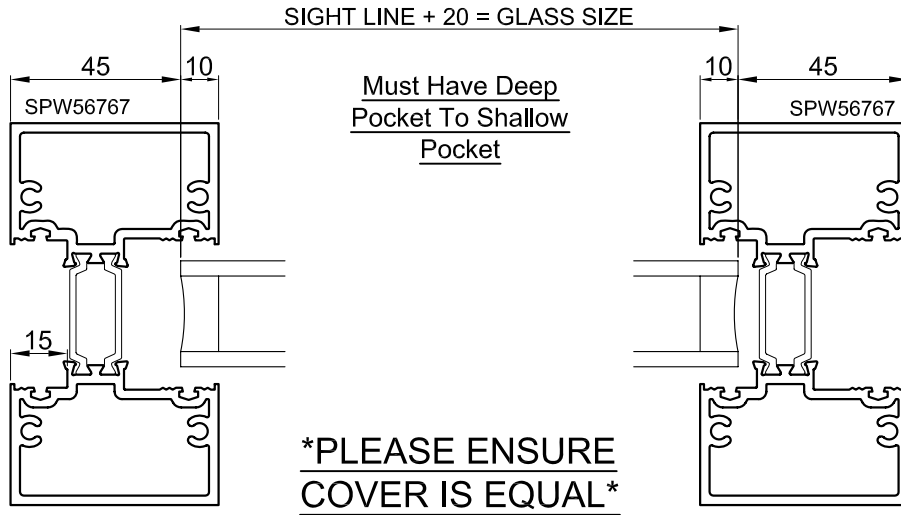
Square Cut Rails

Deductions - Mid Rails

SPW501.D.104

10.14





PLEASE ENSURE COVER IS EQUAL

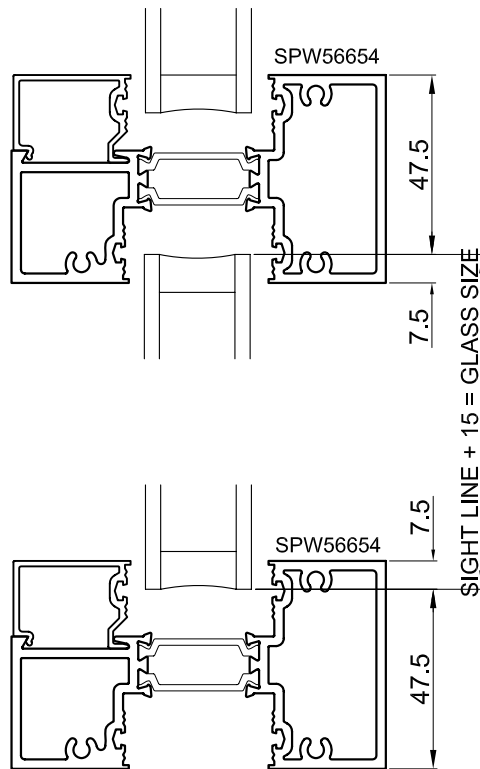
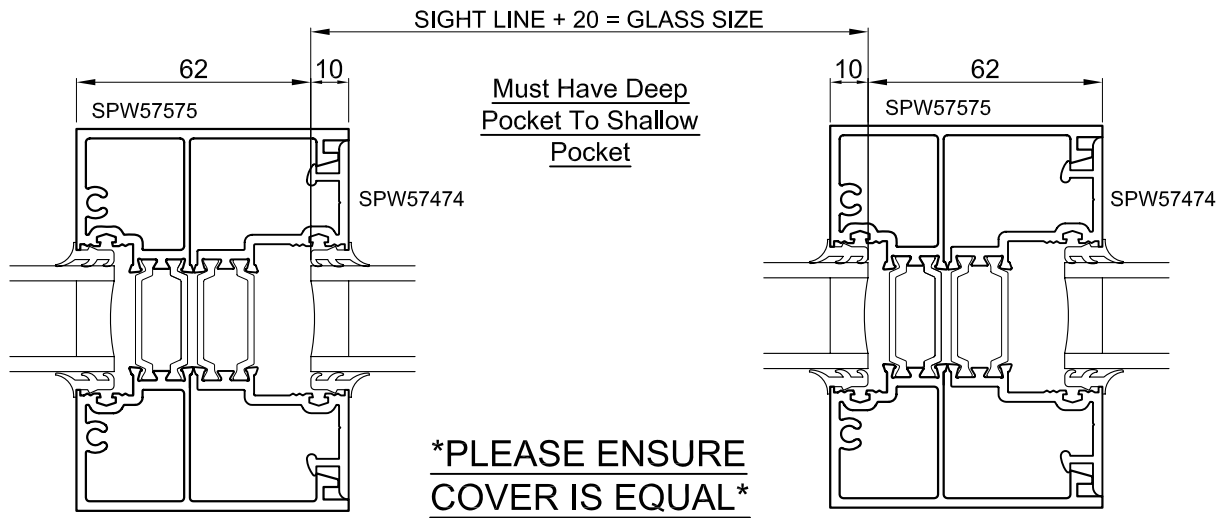
SPW501 Thermal Framing

SPW501.D.202

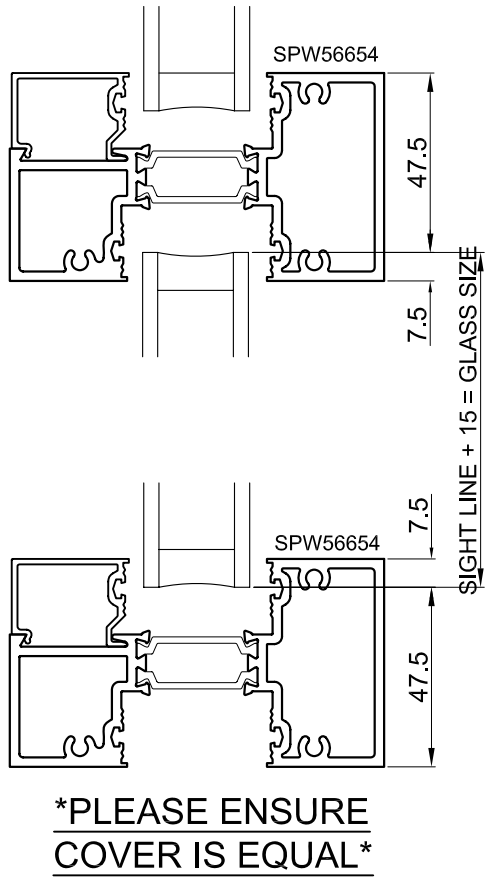
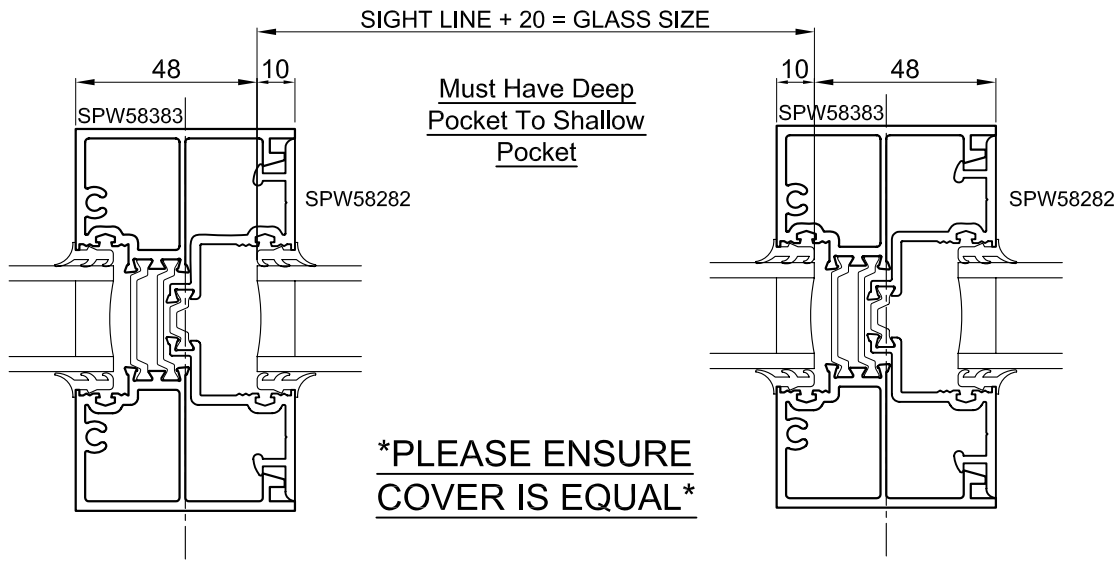
Square Cut Rails

10.14

Deductions - Framing



PLEASE ENSURE COVER IS EQUAL



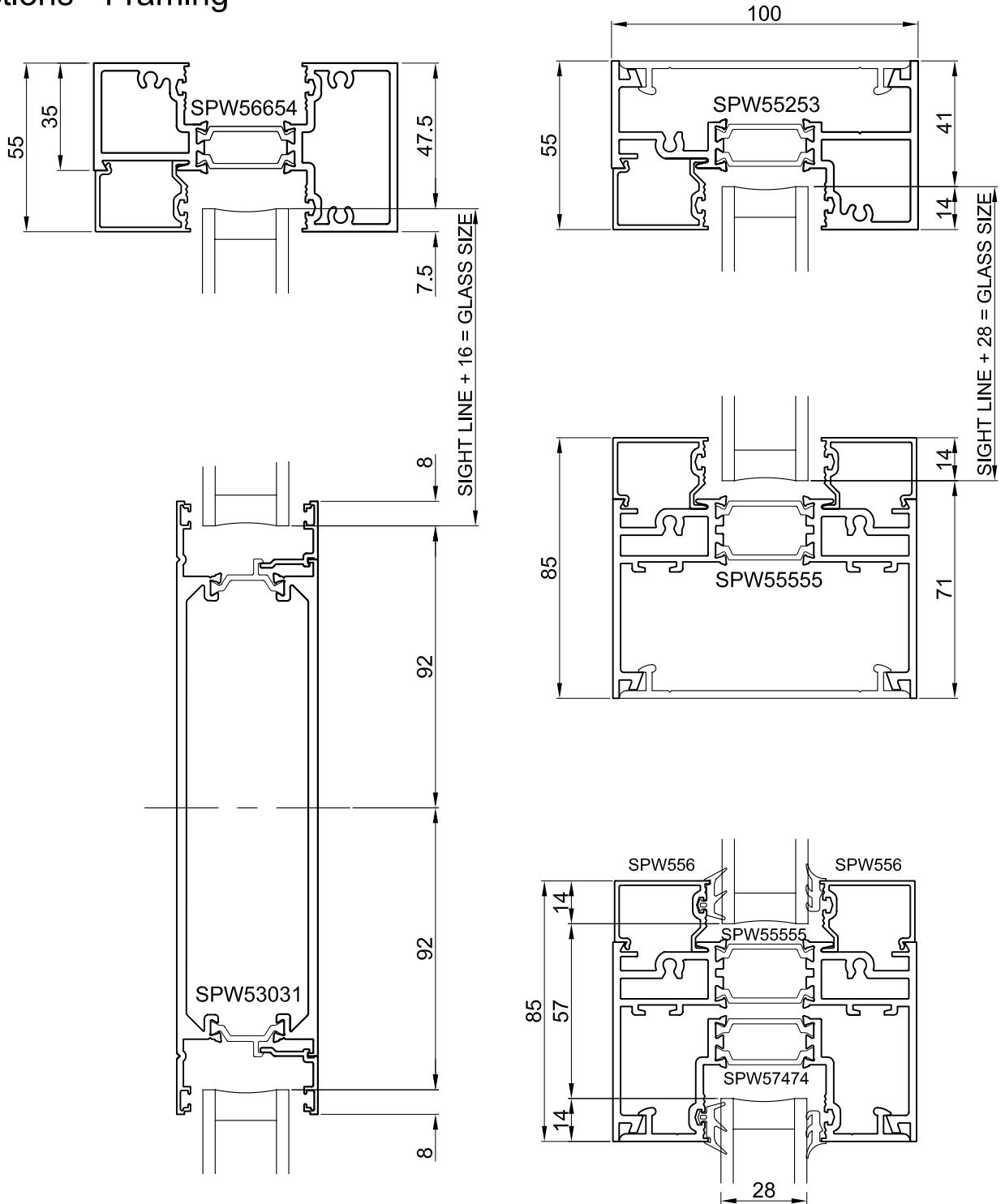
SPW501 Thermal Framing

SPW501.D.204

Square Cut Rails

10.14

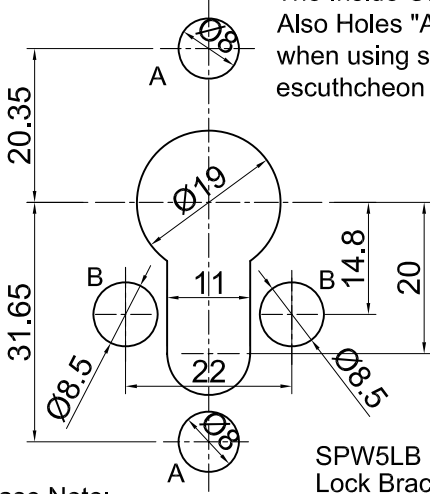
Deductions - Framing



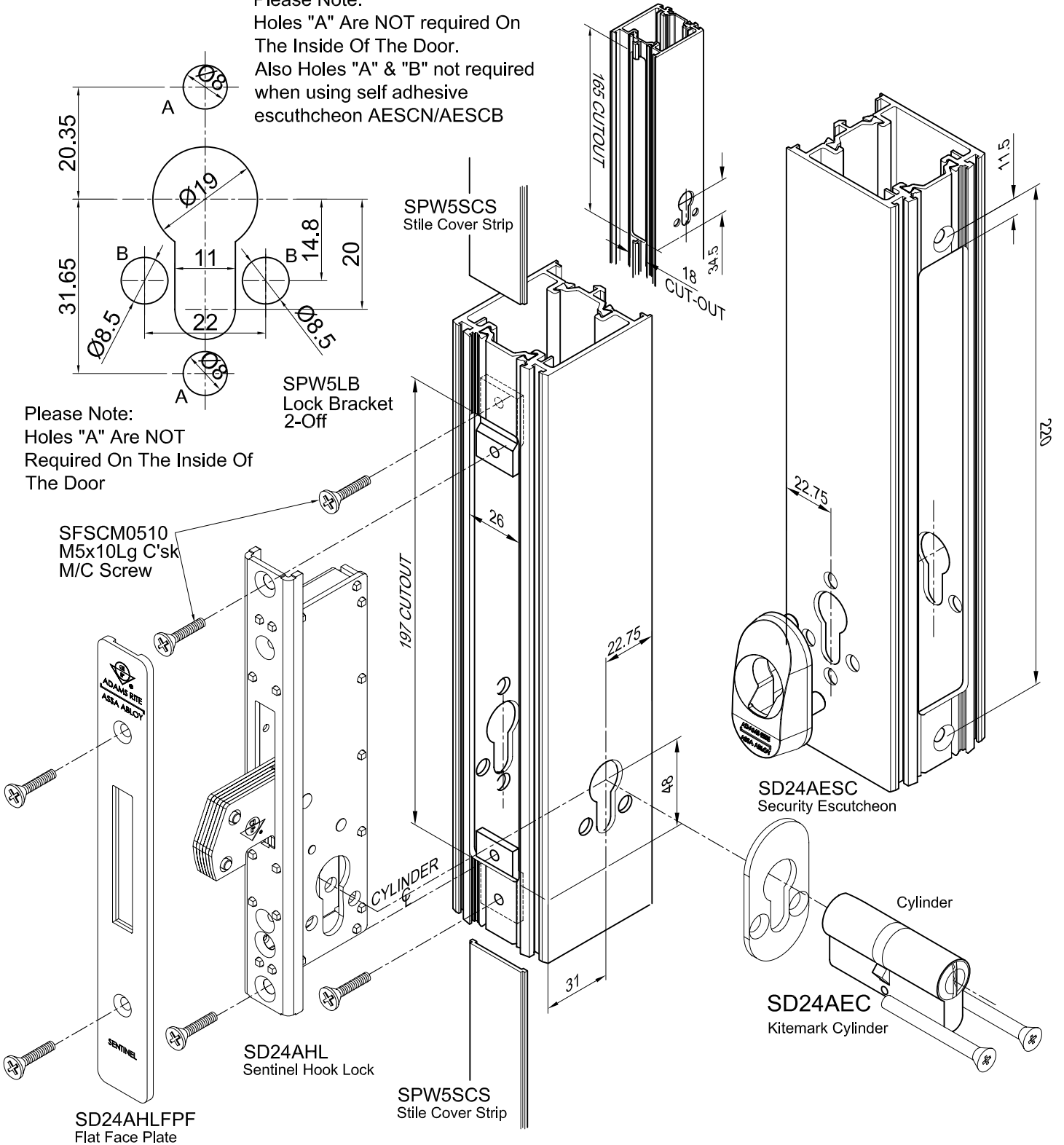
SPW501 Thermal Framing Square Cut Rails

Preparation Details - Security Lock Details

Please Note:
Holes "A" Are NOT required On
The Inside Of The Door.
Also Holes "A" & "B" not required
when using self adhesive
escutcheon AESCN/AESCB



Please Note:
Holes "A" Are NOT
Required On The Inside Of
The Door



VIEWED FROM THE OUTSIDE
LEFT HAND HUNG SHOWN
RIGHT HAND OPPOSITE

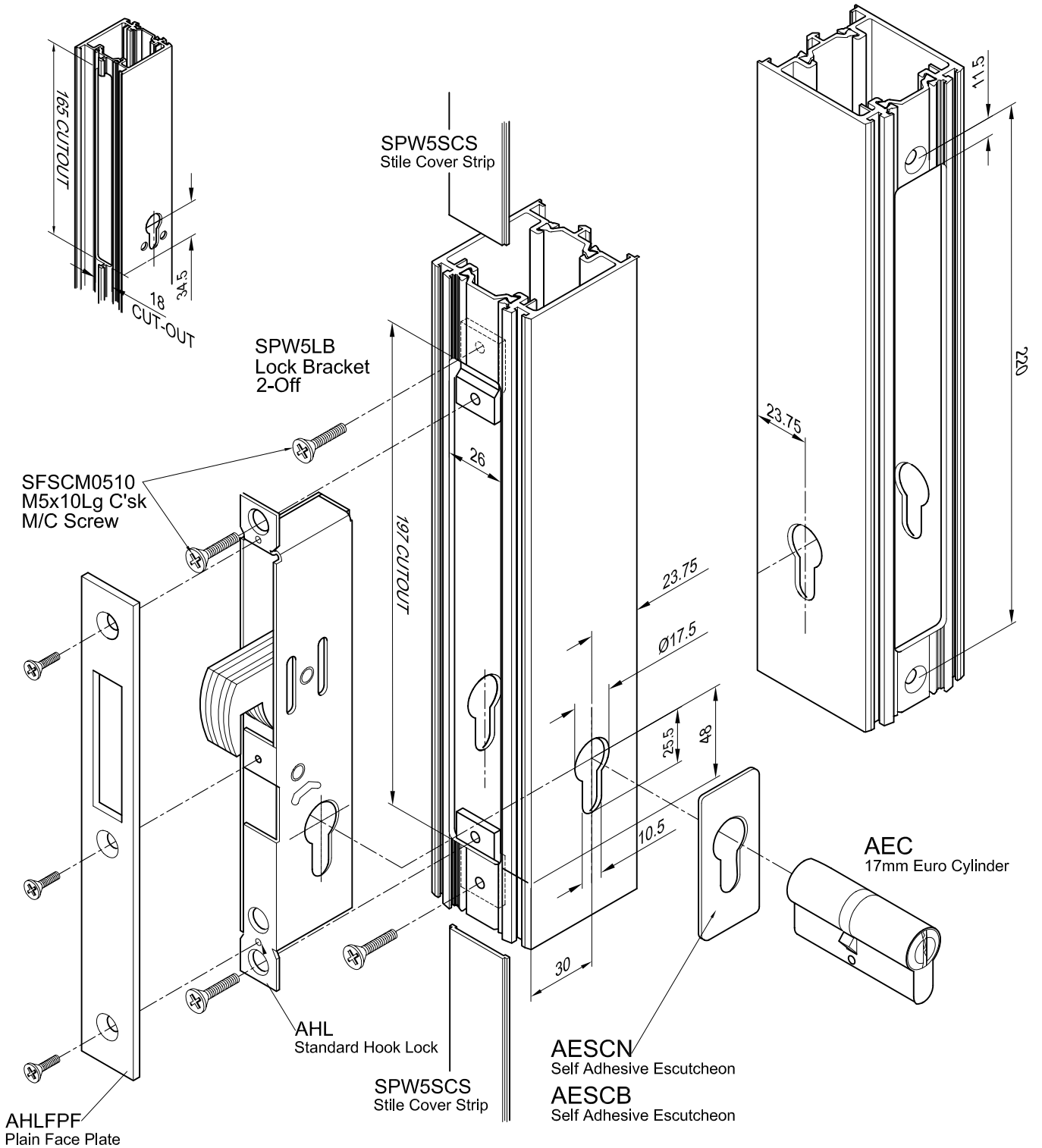
SPW501 Thermal Framing

SPW501.E.02

Square Cut Rails

10.14

Preparation Details - Lock Details



VIEWED FROM THE OUTSIDE
LEFT HAND HUNG SHOWN
RIGHT HAND OPPOSITE

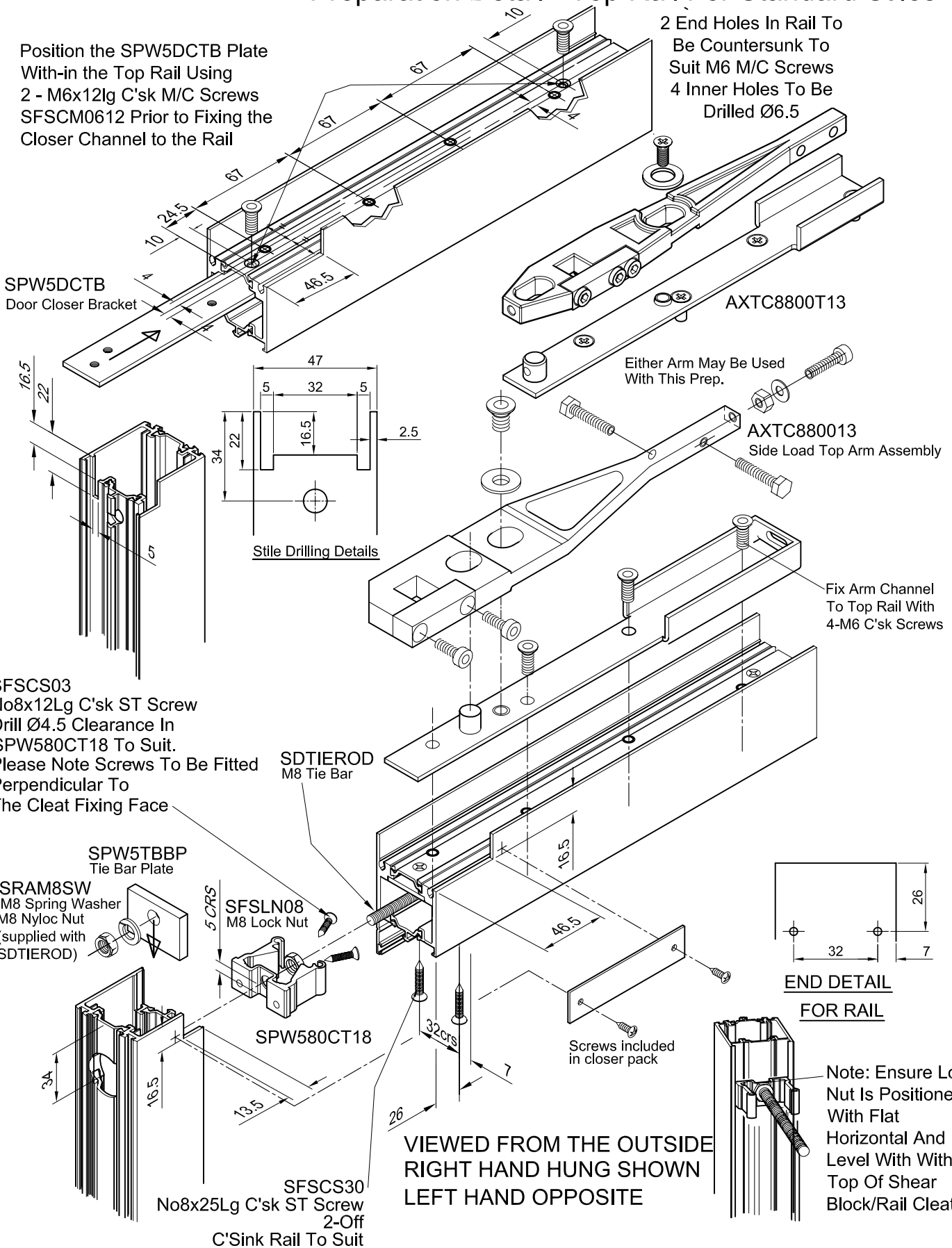
SPW501 Thermal Framing Square Cut Rails

11.14

Preparation Detail - Top Rail For Standard Stiles

Position the SPW5DCTB Plate
Within the Top Rail Using
2 - M6x12lg C'sk M/C Screws
SFSCM0612 Prior to Fixing the
Closer Channel to the Rail

2 End Holes In Rail To
Be Countersunk To
Suit M6 M/C Screws
4 Inner Holes To Be
Drilled Ø6.5



SPW501 Thermal Framing

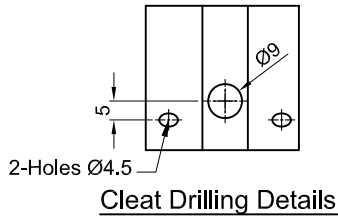
SPW501.E.04

Square Cut Rails

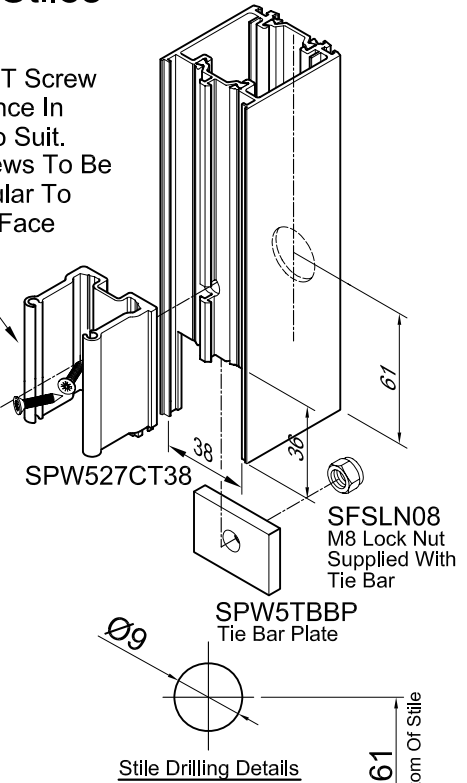
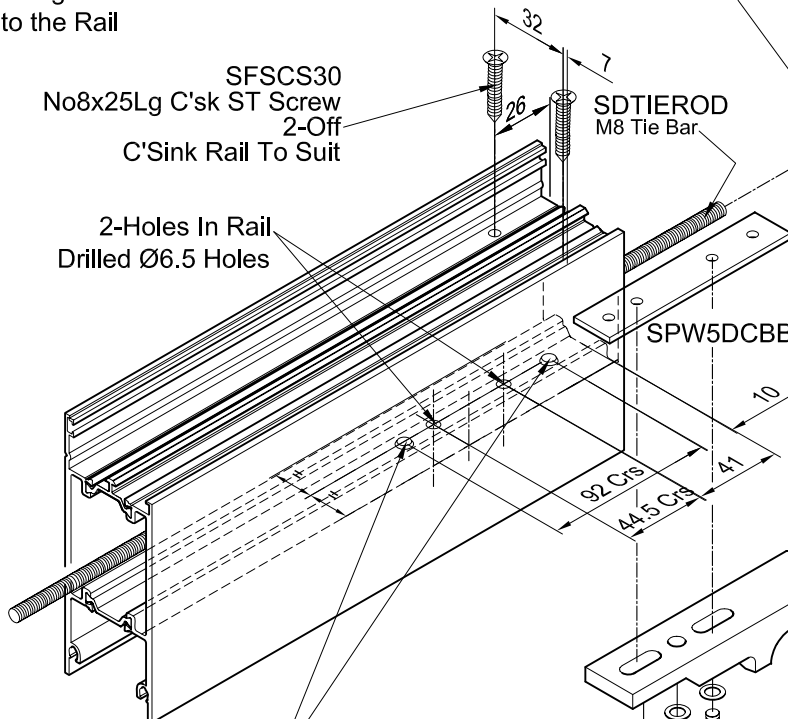
10.14

Preparation Details - Bottom Rails for Standard Stiles

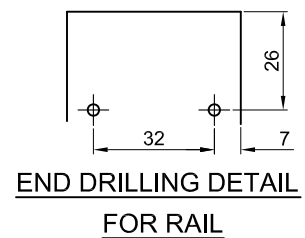
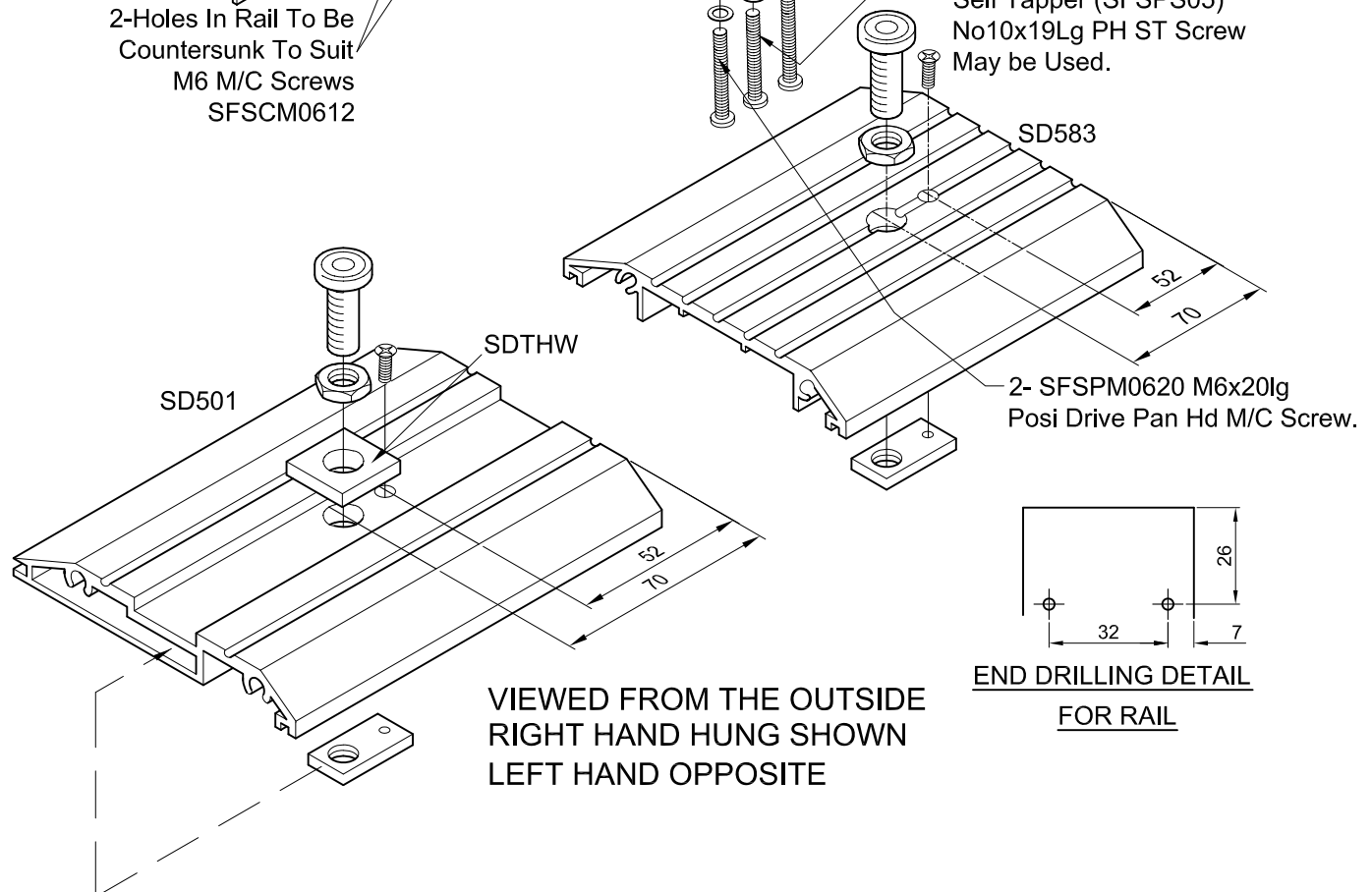
Position the SPW5DCBB Plate With-in the Bottom Rail Using M6x12lg C'sk M/C Screws SFSCM0612 Prior to Fixing the Pivot Casting to the Rail



SFSCS03
No8x12Lg C'sk ST Screw
Drill Ø4.5 Clearance In
SPW527CT38 To Suit.
Please Note Screws To Be
Fitted Perpendicular To
The Cleft Fixing Face



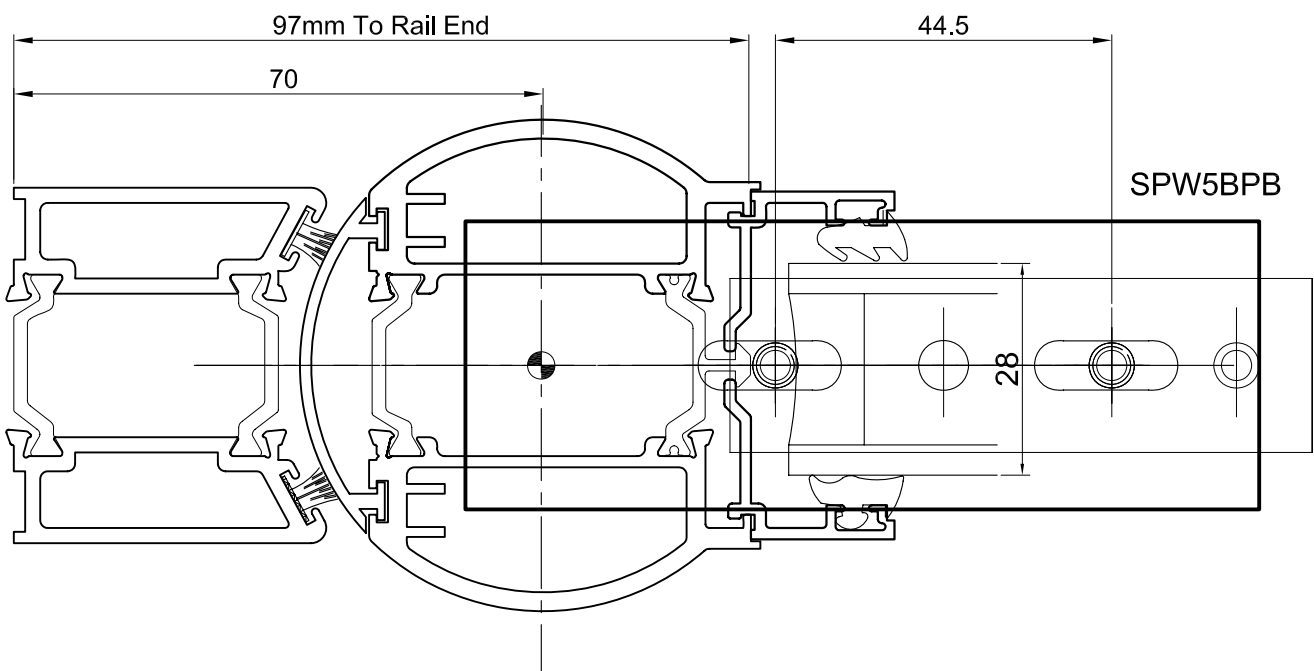
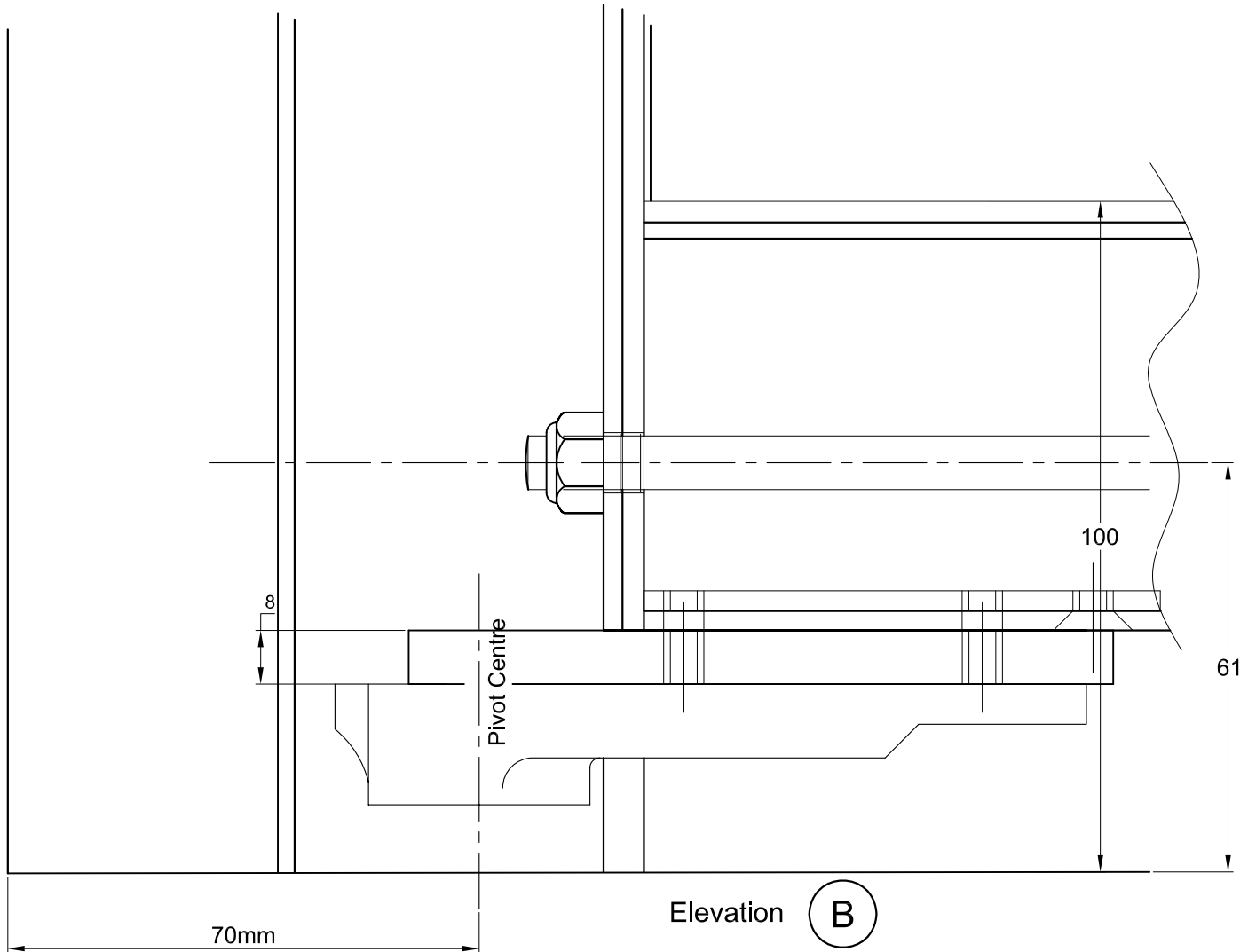
Centre Fixing To be Fitted on
Installation After Adjustment,
Self Tapper (SFSPS05)
No10x19Lg PH ST Screw
May be Used.



SPW501 Thermal Framing

Square Cut Rails

Preparation Details - AFT Stile Bottom Pivot



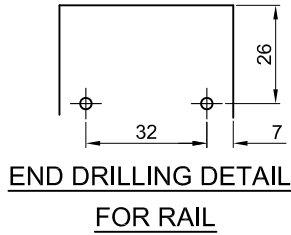
SPW501 Thermal Framing

SPW501.E.06

Square Cut Rails

11.14

Preparation Details - Top Rail AFT Stiles



This Prep Also To Be Used When Using SPW57272 Deep Door Stile As Heal Stile, For Bottom Prep See SPW501.E.07

Fix Arm Channel To Top Rail With 3 No M6 C/Sink Screws

AX880015
End Load Top Arm Assembly

Position the SPW5DCTBAFT Plate With-in the Top Rail Using M6x12lg C'sk M/C Screws SFSCM0612 Prior to Fixing the Closer Channel to the Rail

SPW5DCTBAFT
Door Closer Bracket

SFSCS0819
No8x19Lg C'sk ST Screw
Drill Ø4.5 Clearance In SPW580CT18 To Suit. Please Note Screws To Be Fitted Perpendicular To The Cleat Fixing Face

SPW5TBBPAFT
Tie Bar Plate
SPW5TBBP
Tie Bar Plate When Using SPW57272

M8 Nyloc Nut (supplied with SDTIEROD)

Ø26 Hole

34

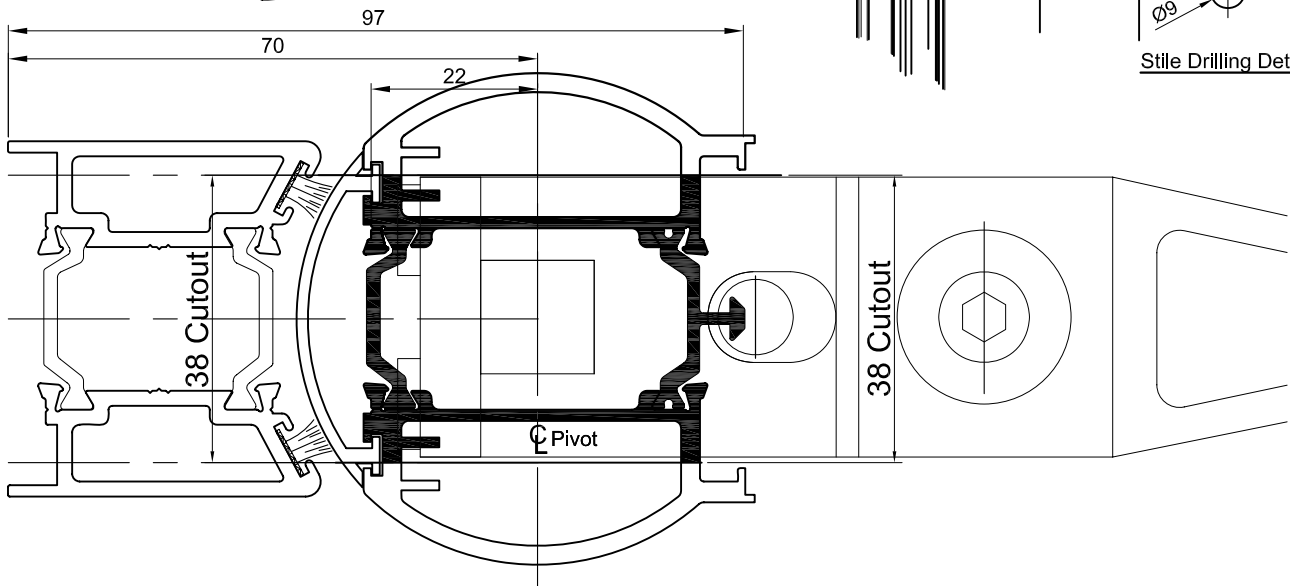
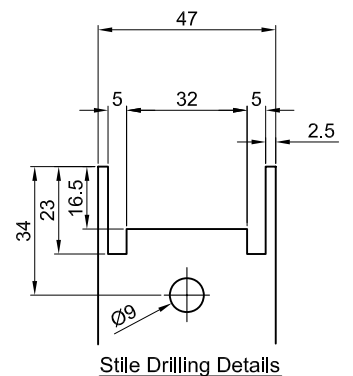
16.5

SPW57373
Safety Stile

SPW580CT18

SFSCS30
No8x25Lg C'skST Screw
2-Off

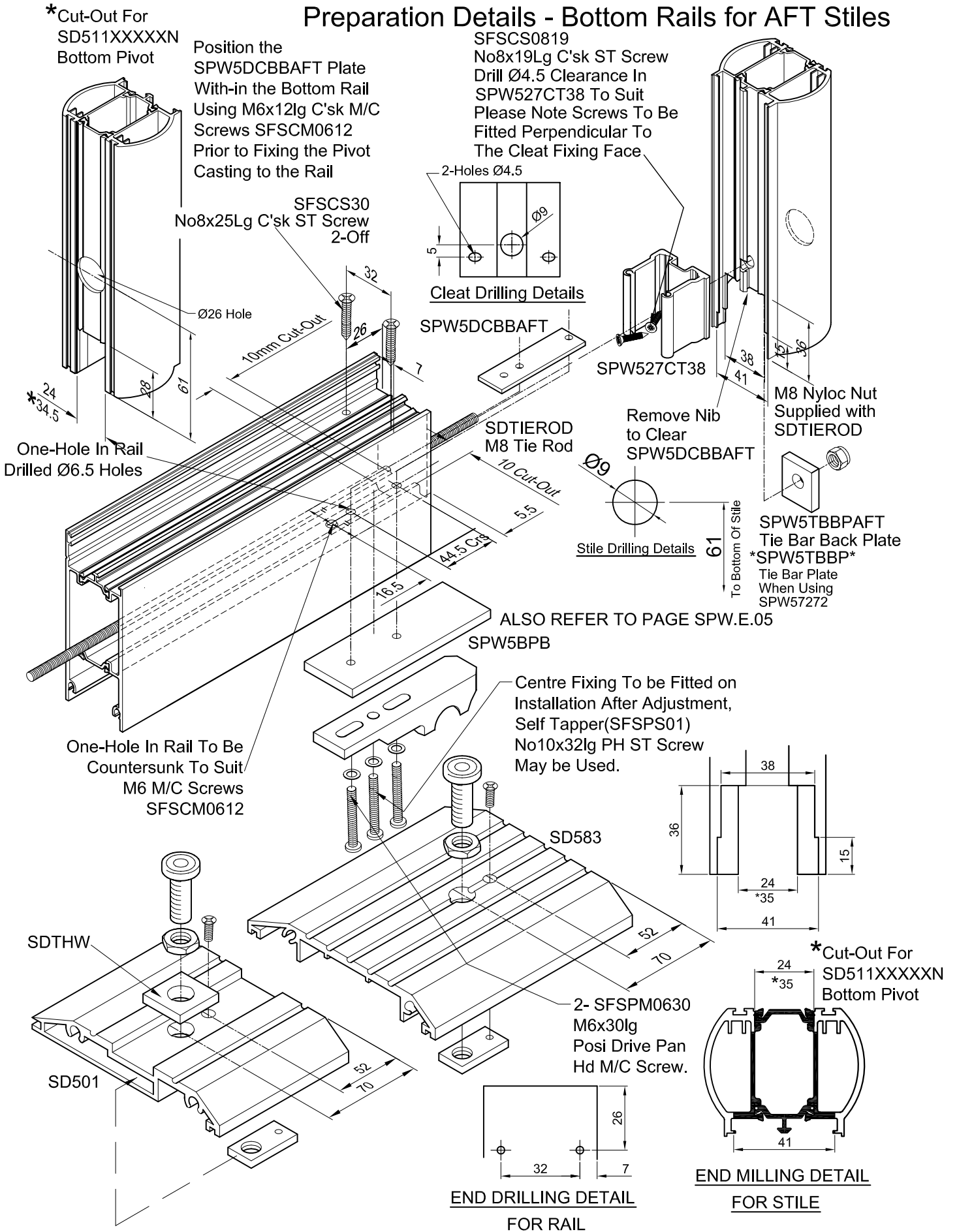
2 End Holes In Rail To Be Countersunk To Suit M6 M/C Screws
3 Inner Holes To Be Drilled Ø6.5



SPW501 Thermal Framing Square Cut Rails

10.14

Preparation Details - Bottom Rails for AFT Stiles



SPW501 Thermal Framing

SPW501.E.08

Square Cut Rails

11.14

Preparation Details - Cleats For Top And Bottom Rail

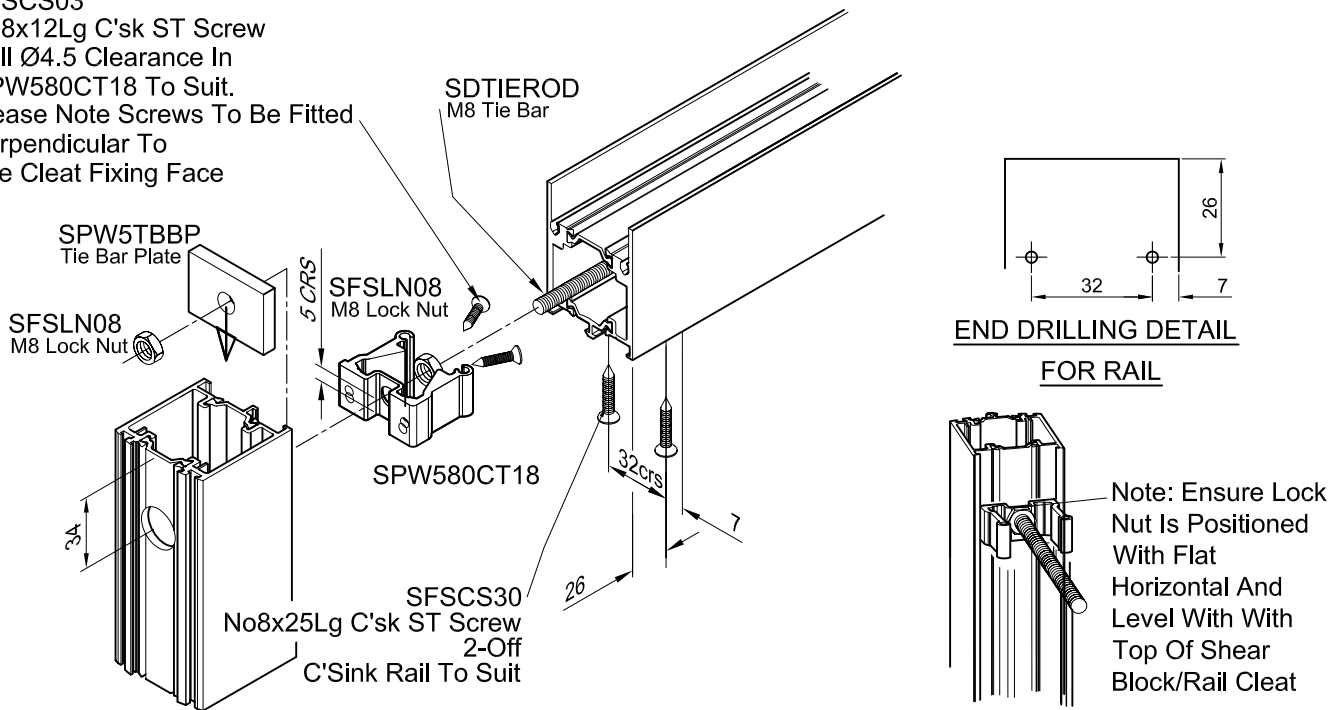
SFSCS03

No8x12Lg C'sk ST Screw

Drill Ø4.5 Clearance In

SPW580CT18 To Suit.

Please Note Screws To Be Fitted Perpendicular To The Cleat Fixing Face



TYPICAL LOCK STILE TIE BAR DETAIL

VIEWED FROM THE OUTSIDE
LEFT HAND HUNG SHOWN
RIGHT HAND OPPOSITE

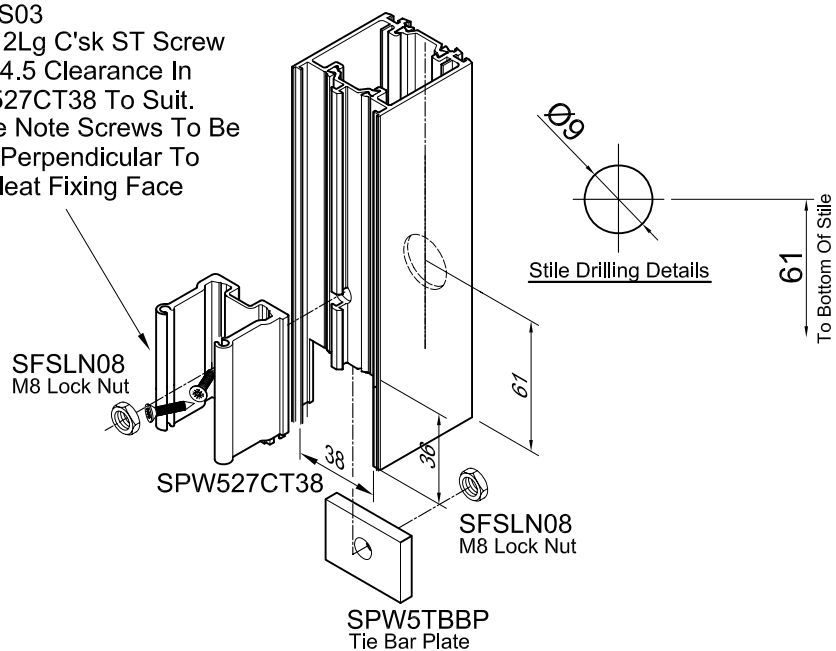
SFSCS03

No8x12Lg C'sk ST Screw

Drill Ø4.5 Clearance In

SPW527CT38 To Suit.

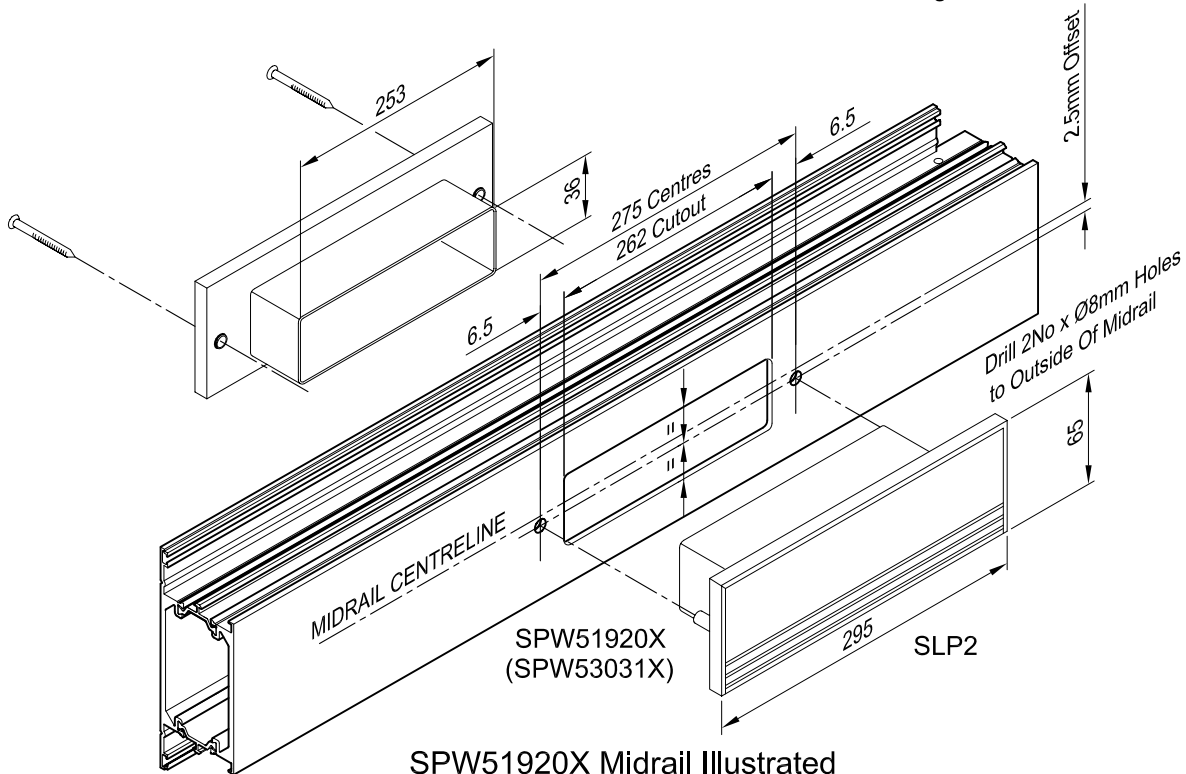
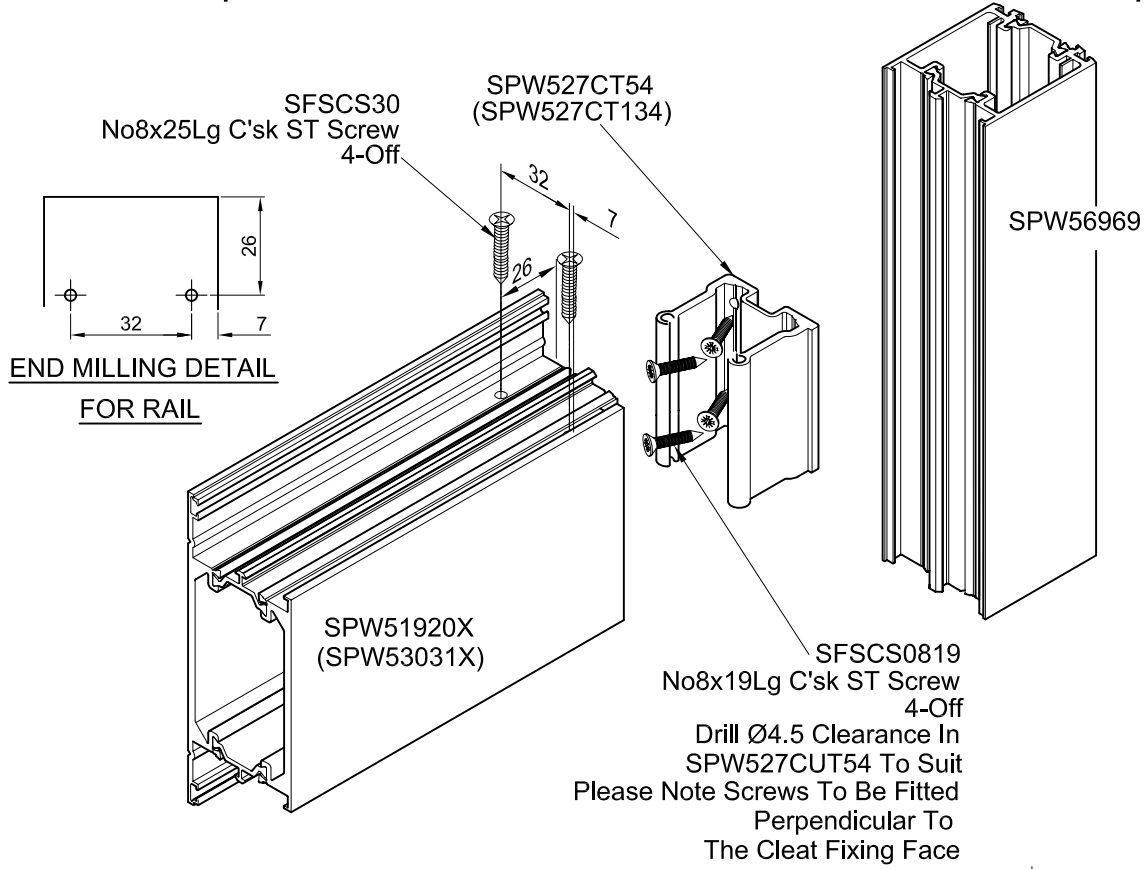
Please Note Screws To Be Fitted Perpendicular To The Cleat Fixing Face



SPW501 Thermal Framing

Square Cut Rails

Preparation Detail - Cleat For Midrails & SLP2 Letterplate



SPW51920X Midrail Illustrated

Overall Letterplate Size 295mm x 65mm

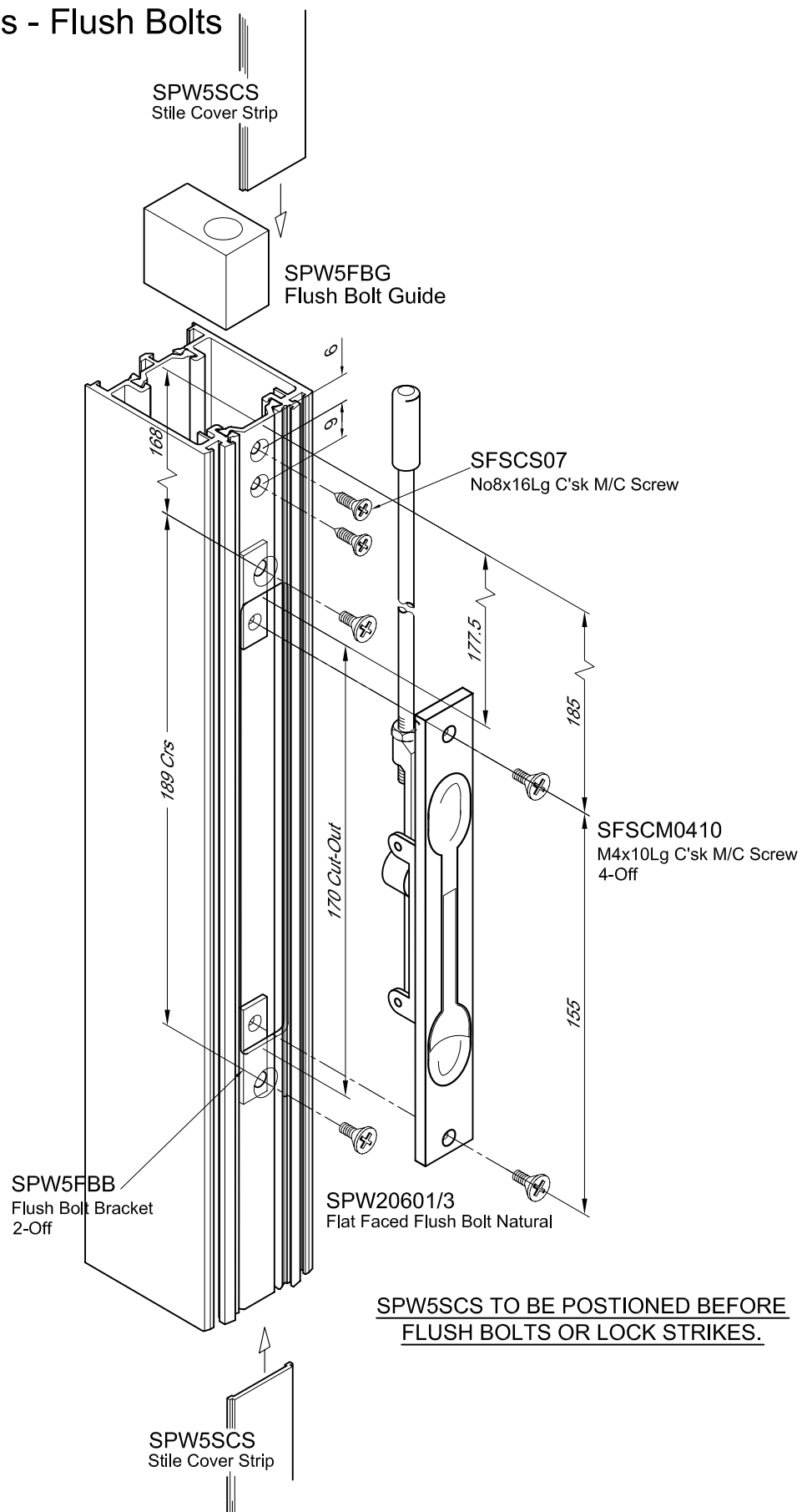
SPW501 Thermal Framing

SPW501.E.10

Square Cut Rails

10.14

Preparation Details - Flush Bolts



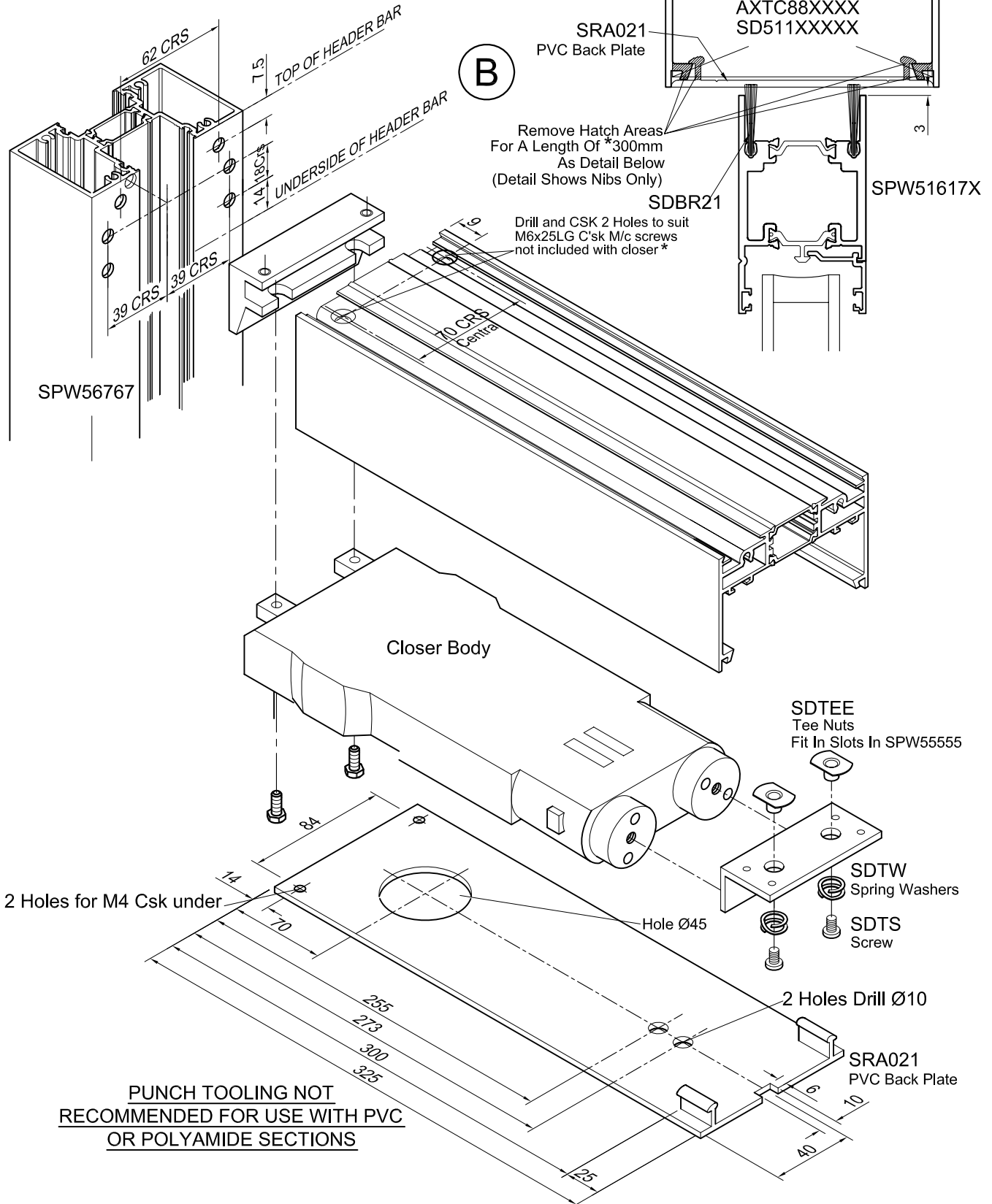
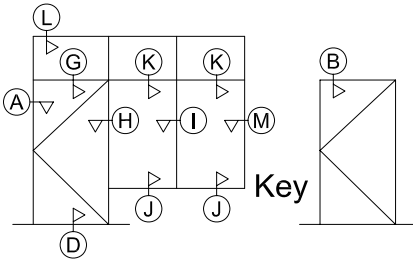
SPW501.E.11

SPW501 Thermal Framing

Square Cut Rails

Preparation - Header Bar Std Closer Detail

10.14



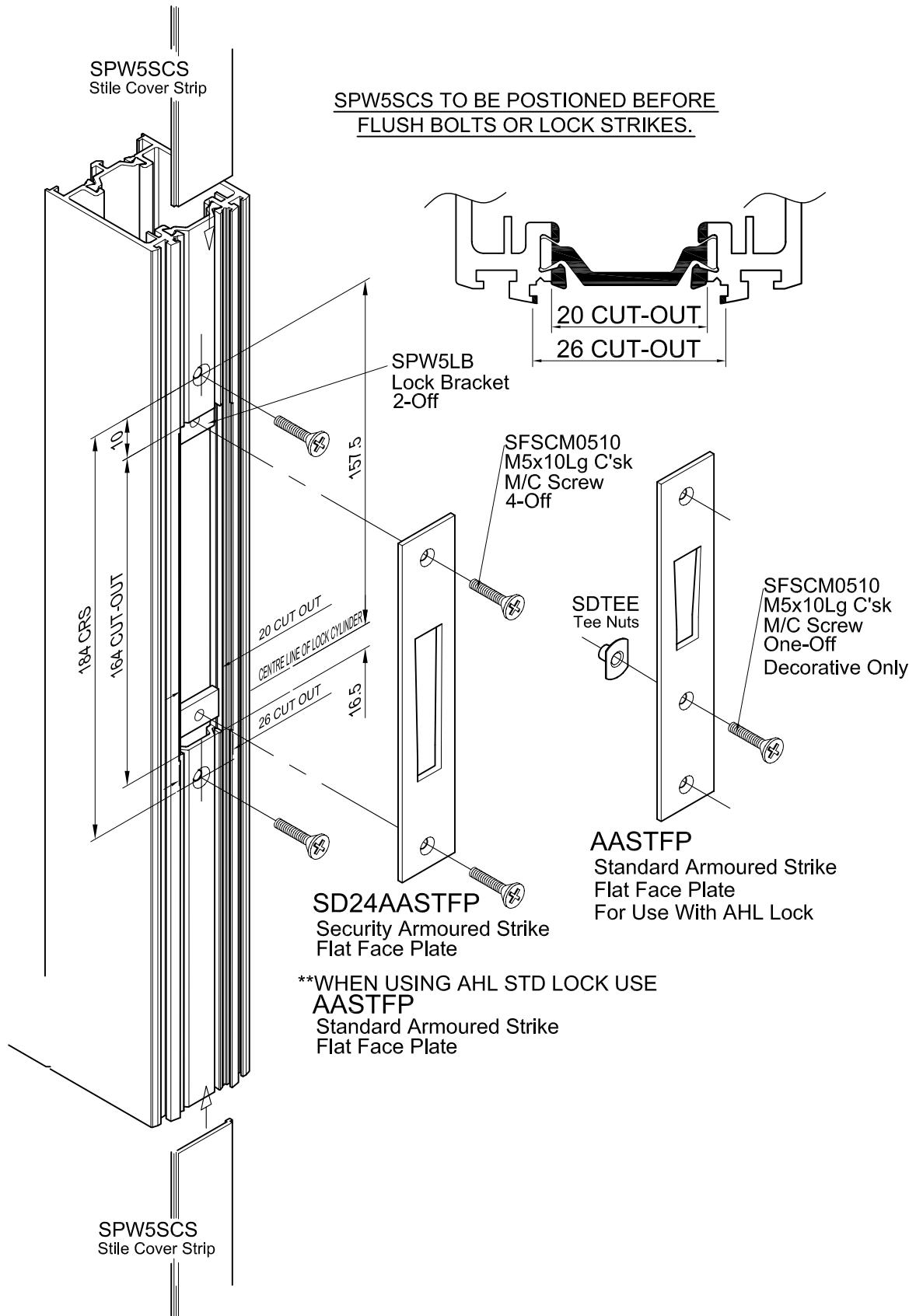
SPW501 Thermal Framing

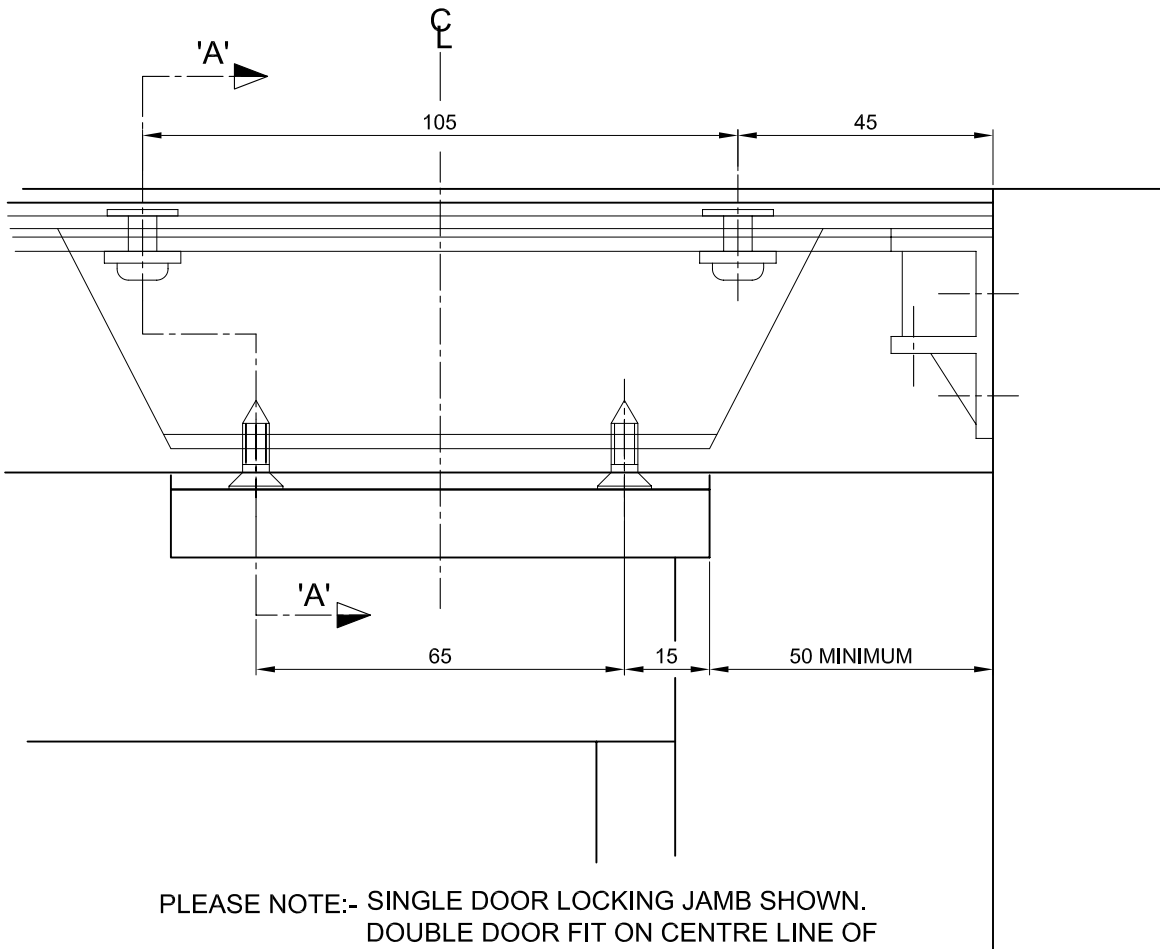
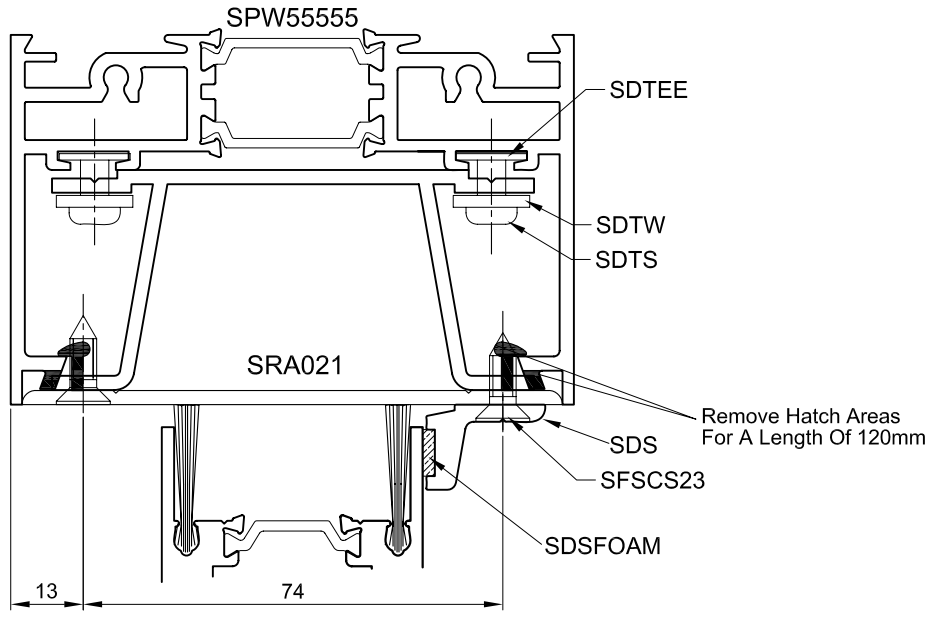
SPW501.E.12

Square Cut Rails

10.14

Preparation Details - Face Plate Into Meeting Stile





PLEASE NOTE:- SINGLE DOOR LOCKING JAMB SHOWN.
DOUBLE DOOR FIT ON CENTRE LINE OF
MEETING STILES

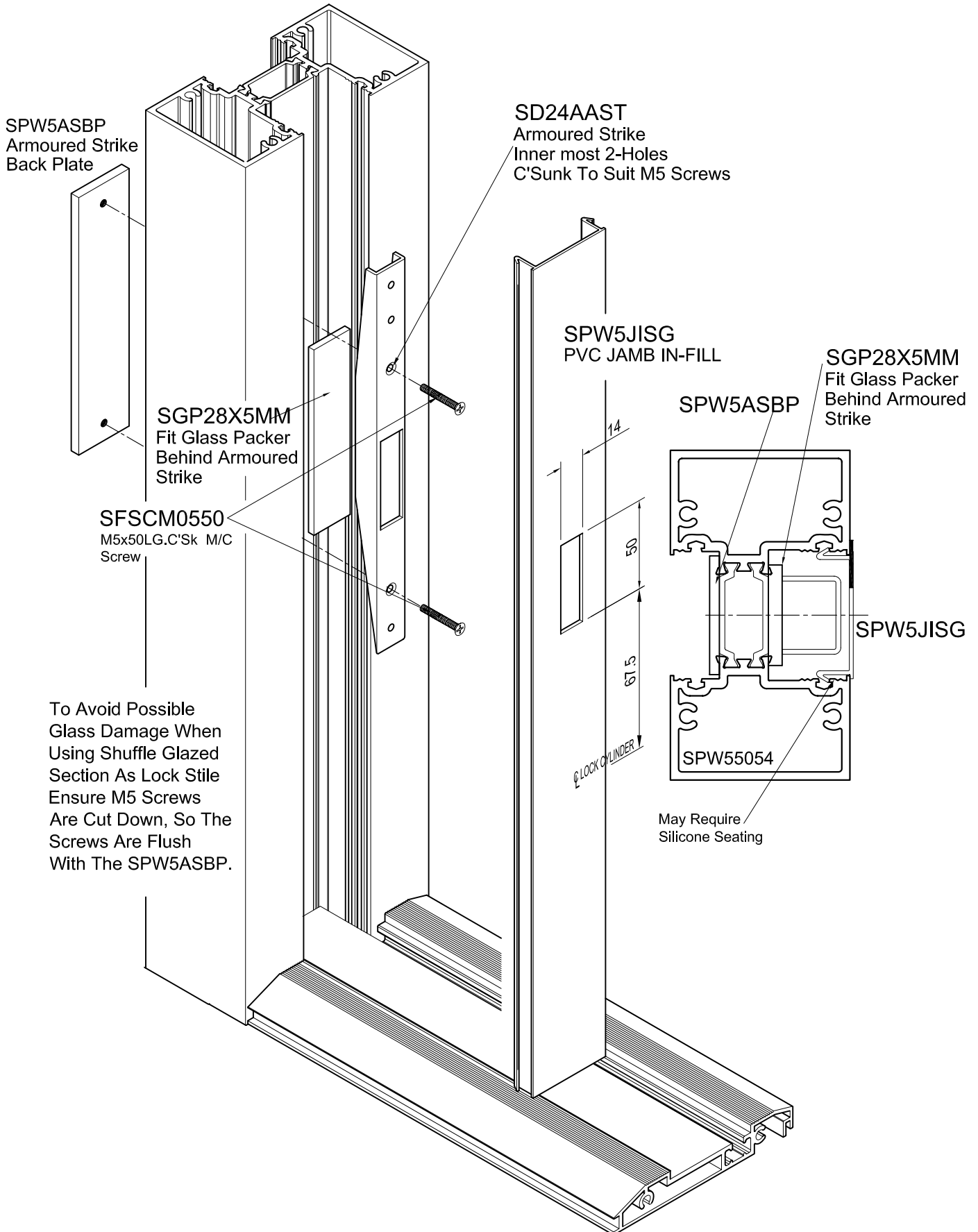
SPW501 Thermal Framing

SPW501.E.14

Square Cut Rails

10.14

Lock Jamb Preparation Using Shuffle Glaze Section



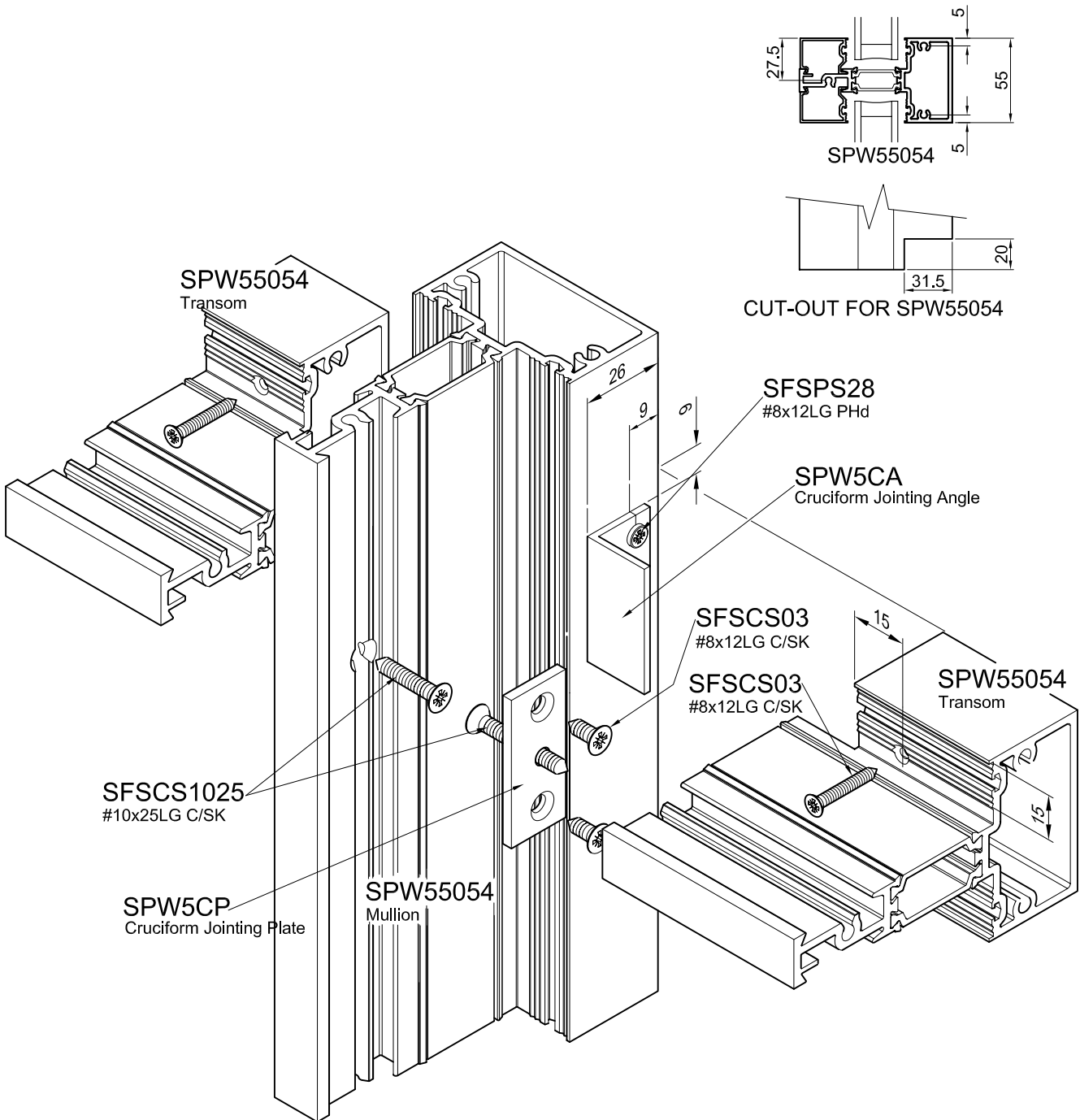
SPW501.E.15

10.14

SPW501 Thermal Framing

Square Cut Rails

Cruciform Joint Frame



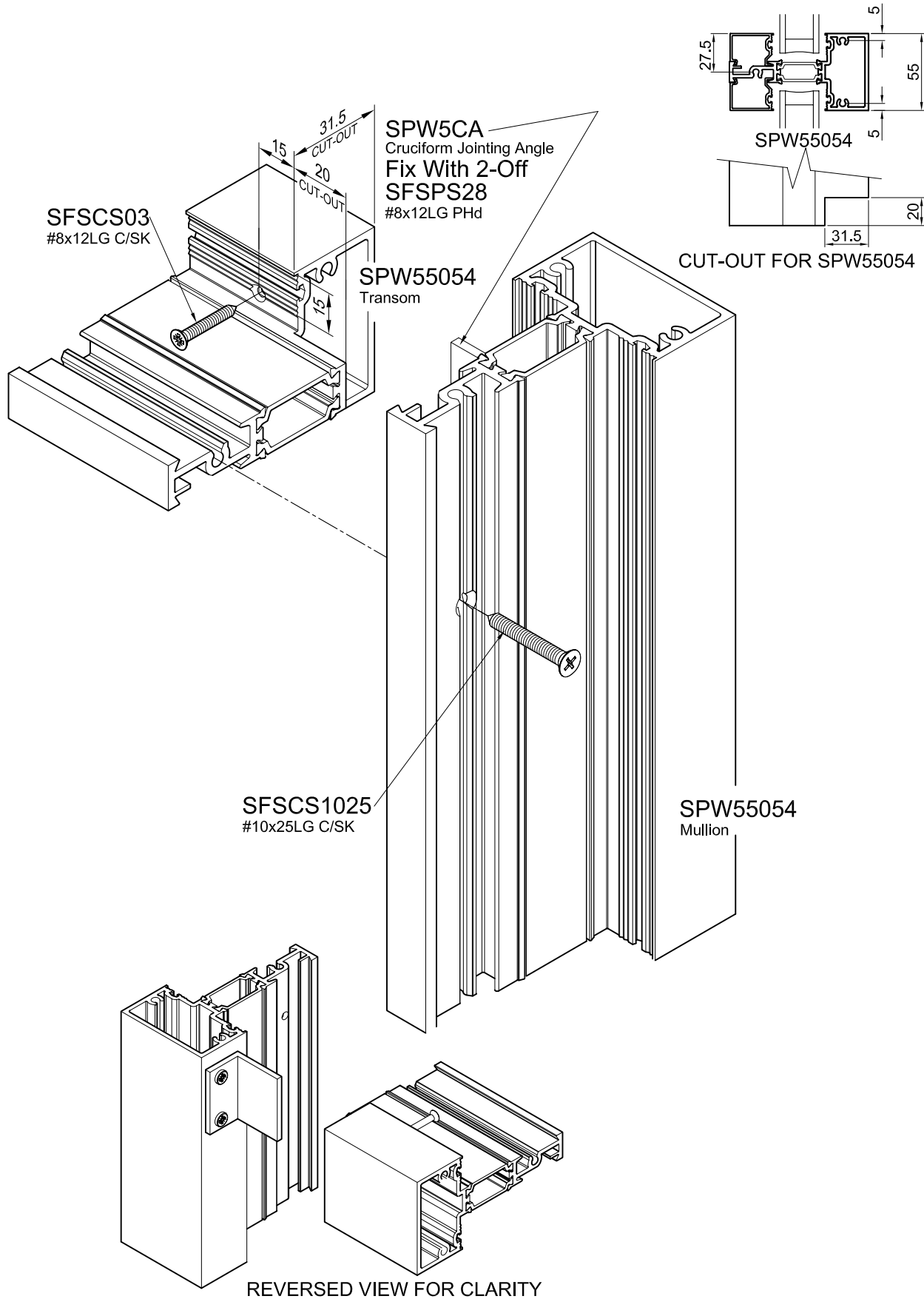
SPW501 Thermal Framing

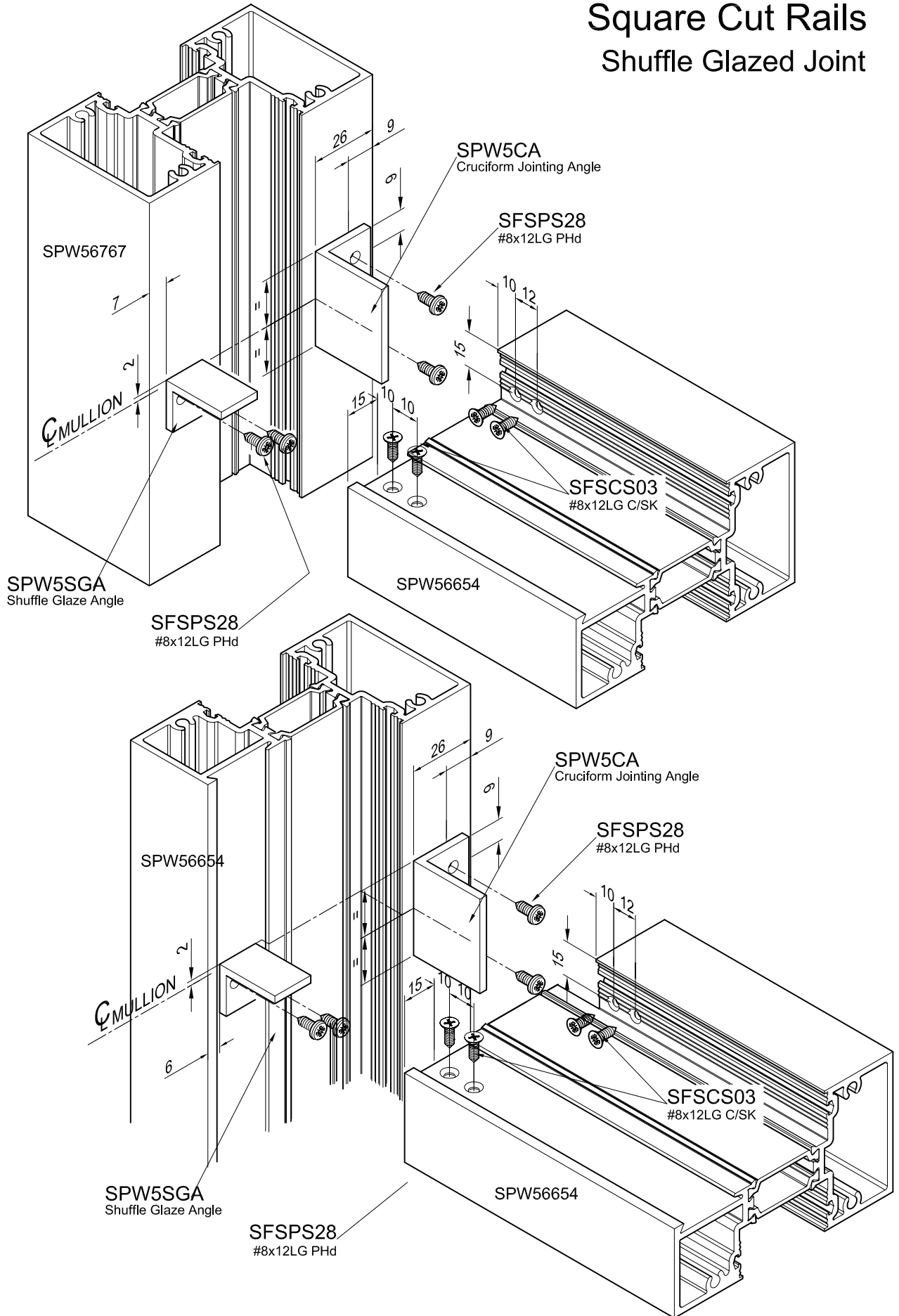
SPW501.E.16

Square Cut Rails

10.14

Transom Joint Using SPW5CA





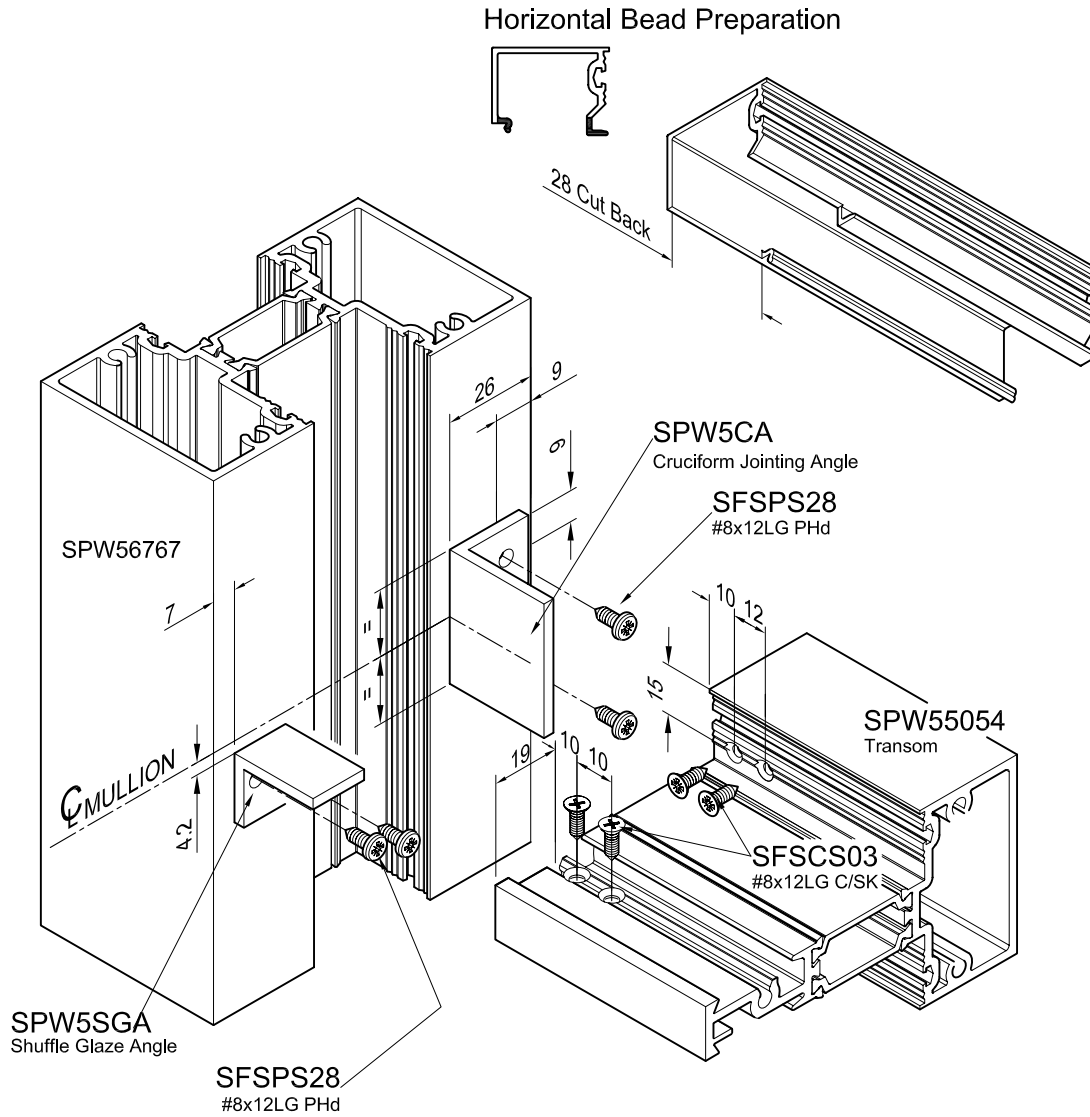
SPW501 Thermal Framing

SPW501.E.18

Square Cut Rails

10.14

Shuffle Glaze Mullion/Transom Joint



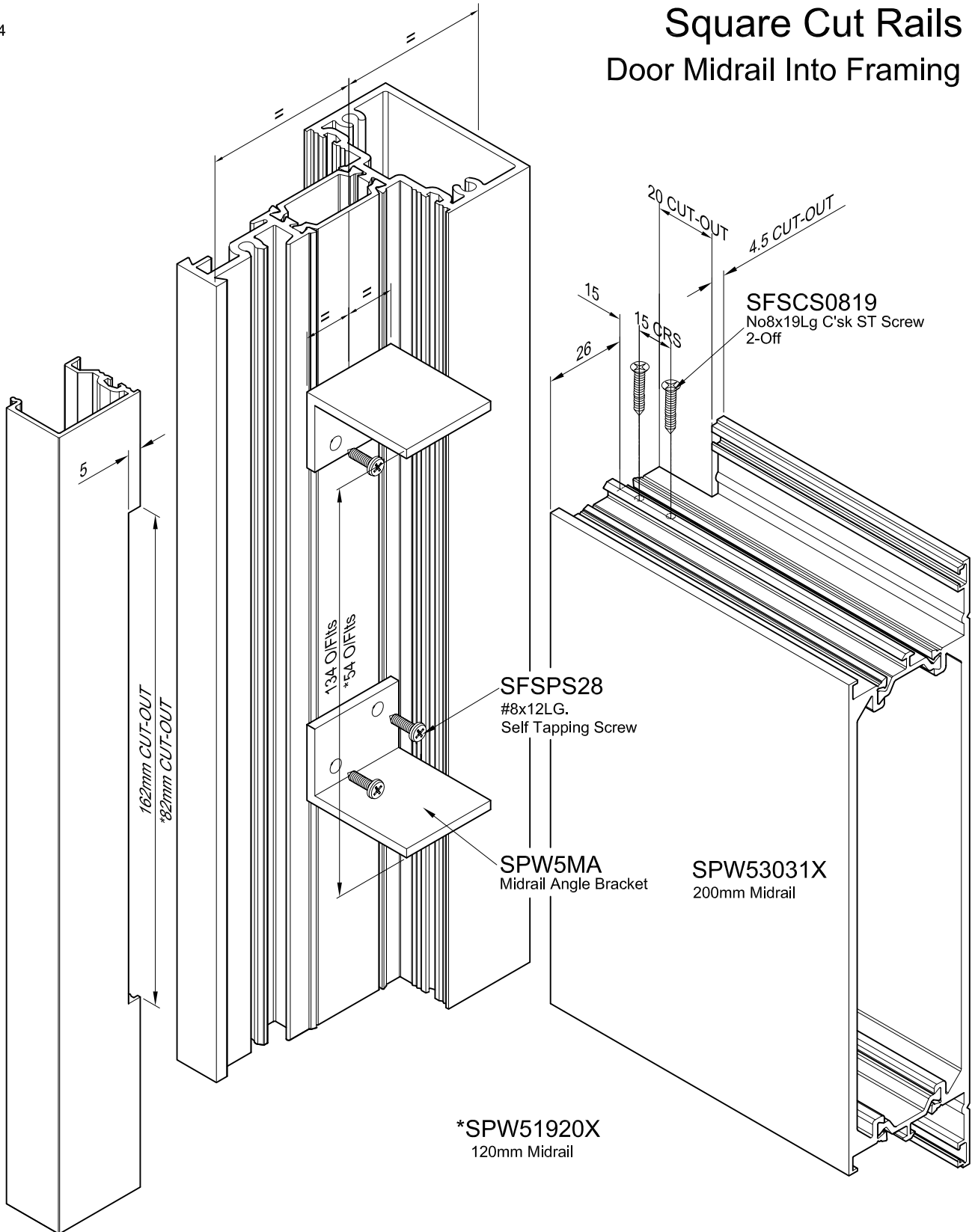
SPW501.E.19

10.14

SPW501 Thermal Framing

Square Cut Rails

Door Midrail Into Framing



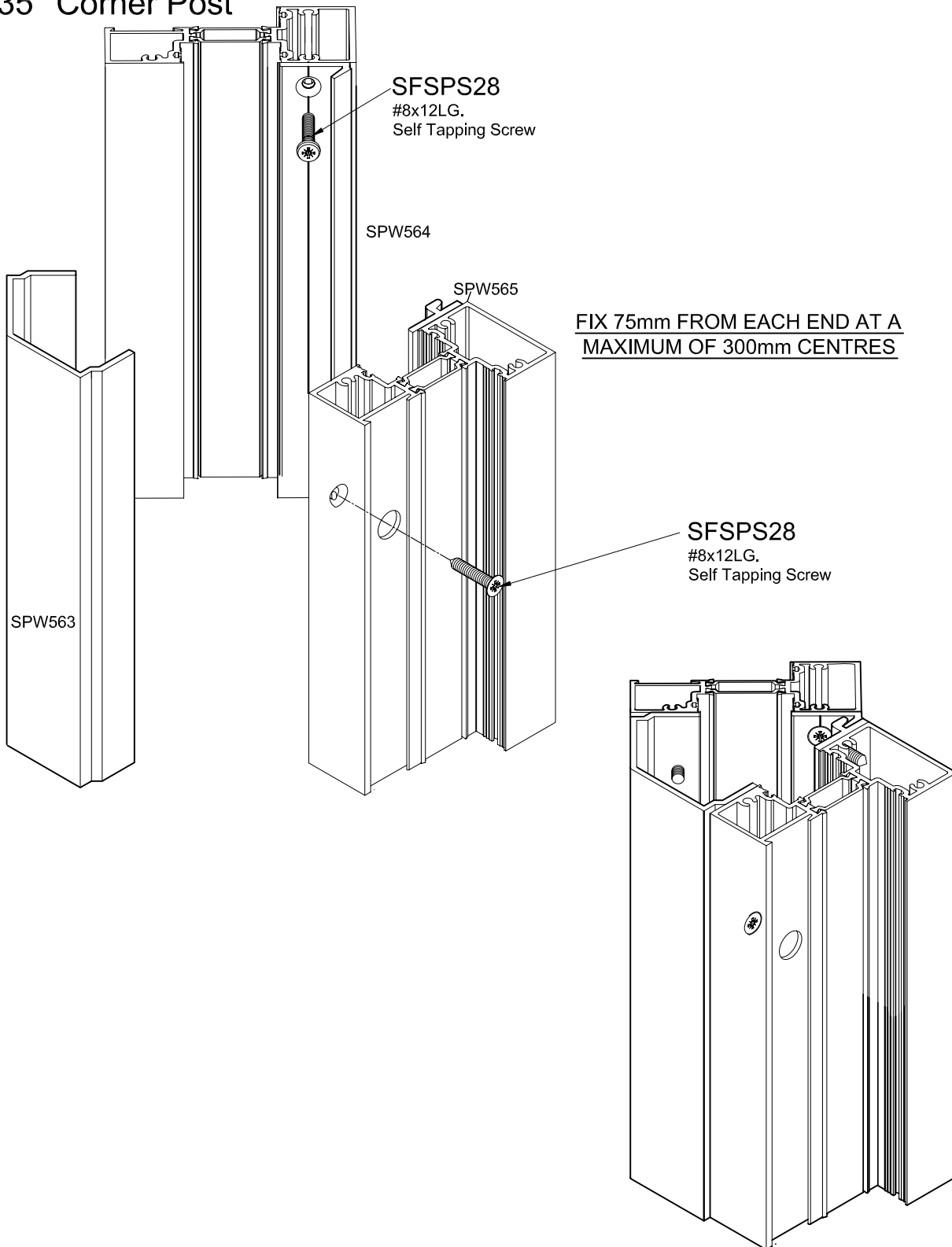
SPW501 Thermal Framing

SPW501.E.20

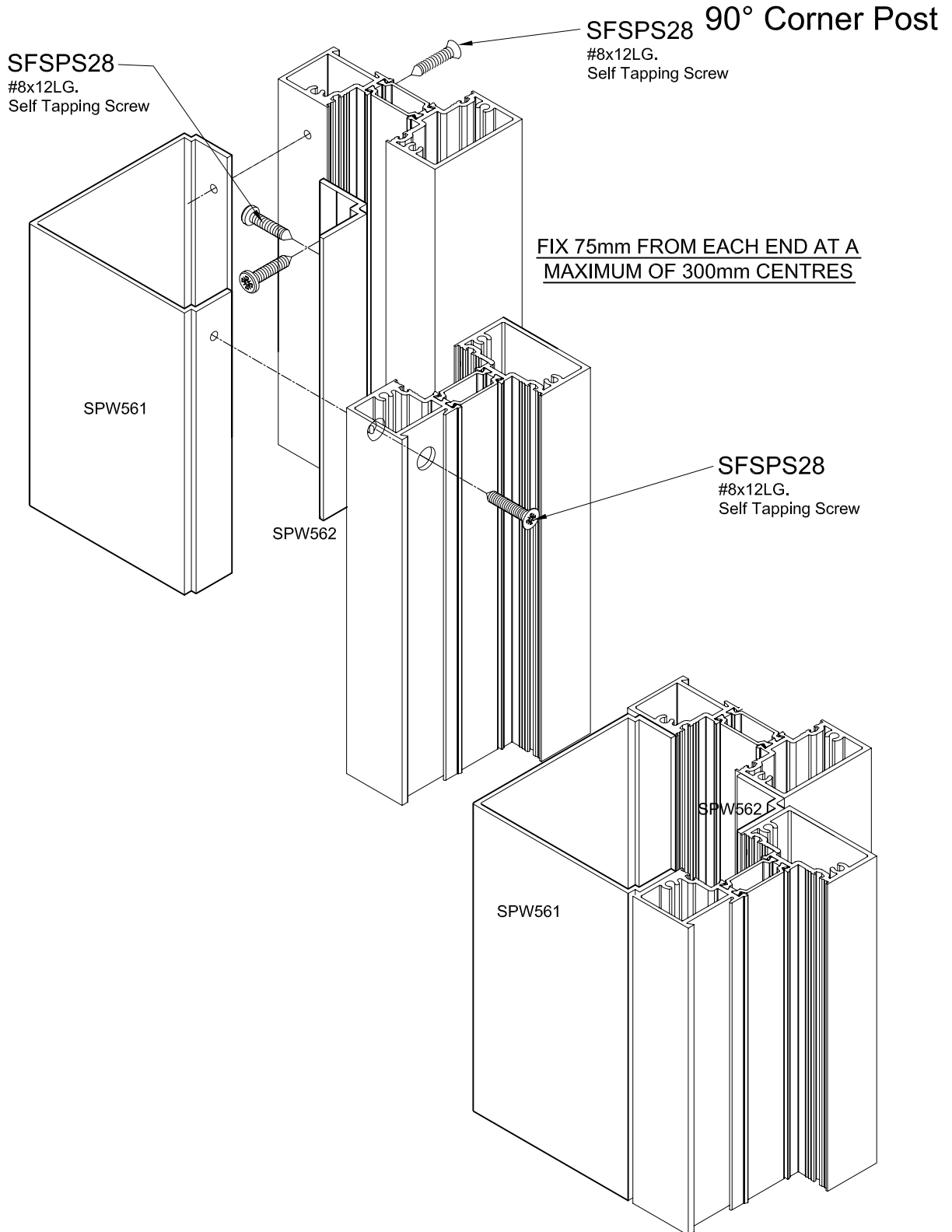
Square Cut Rails

10.14

135° Corner Post



SPW501 Thermal Framing Square Cut Rails



SPW501 Thermal Framing

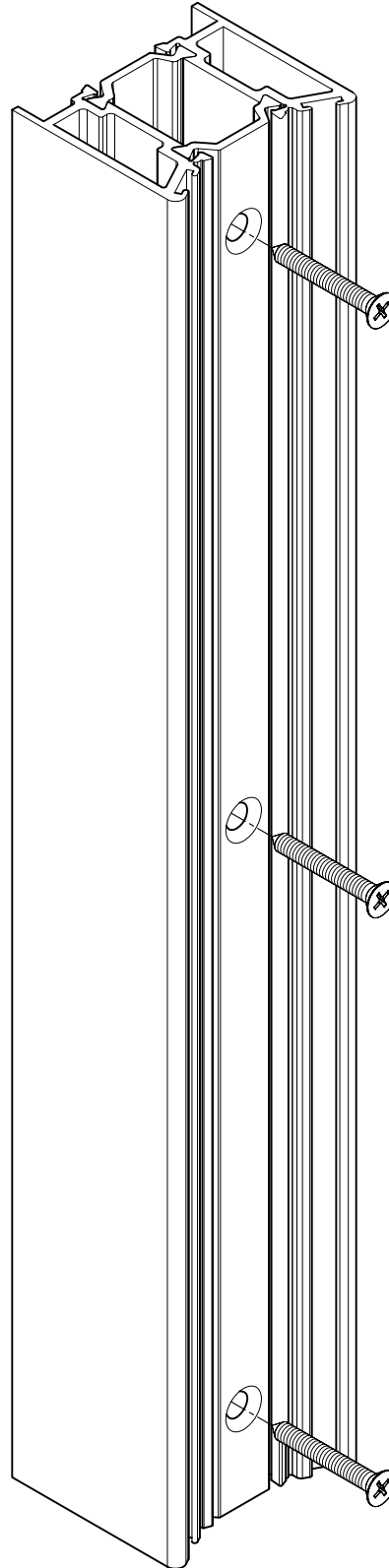
SPW501.E.22

Square Cut Rails

10.14

AFT Jamb Fixing Details

PLEASE ENSURE FIXING HOLES
ARE COUNTERSUNK.
FIX 75mm FROM EACH END AT A
MAXIMUM OF 300mm CENTRES
WITH No8 ST SCREWS OF
SUITABLE LENGTH DEPENDANT
ON POCKET DEPTH.



SPW501.E.23

10.14

SPW501 Thermal Framing

Square Cut Rails

Blank

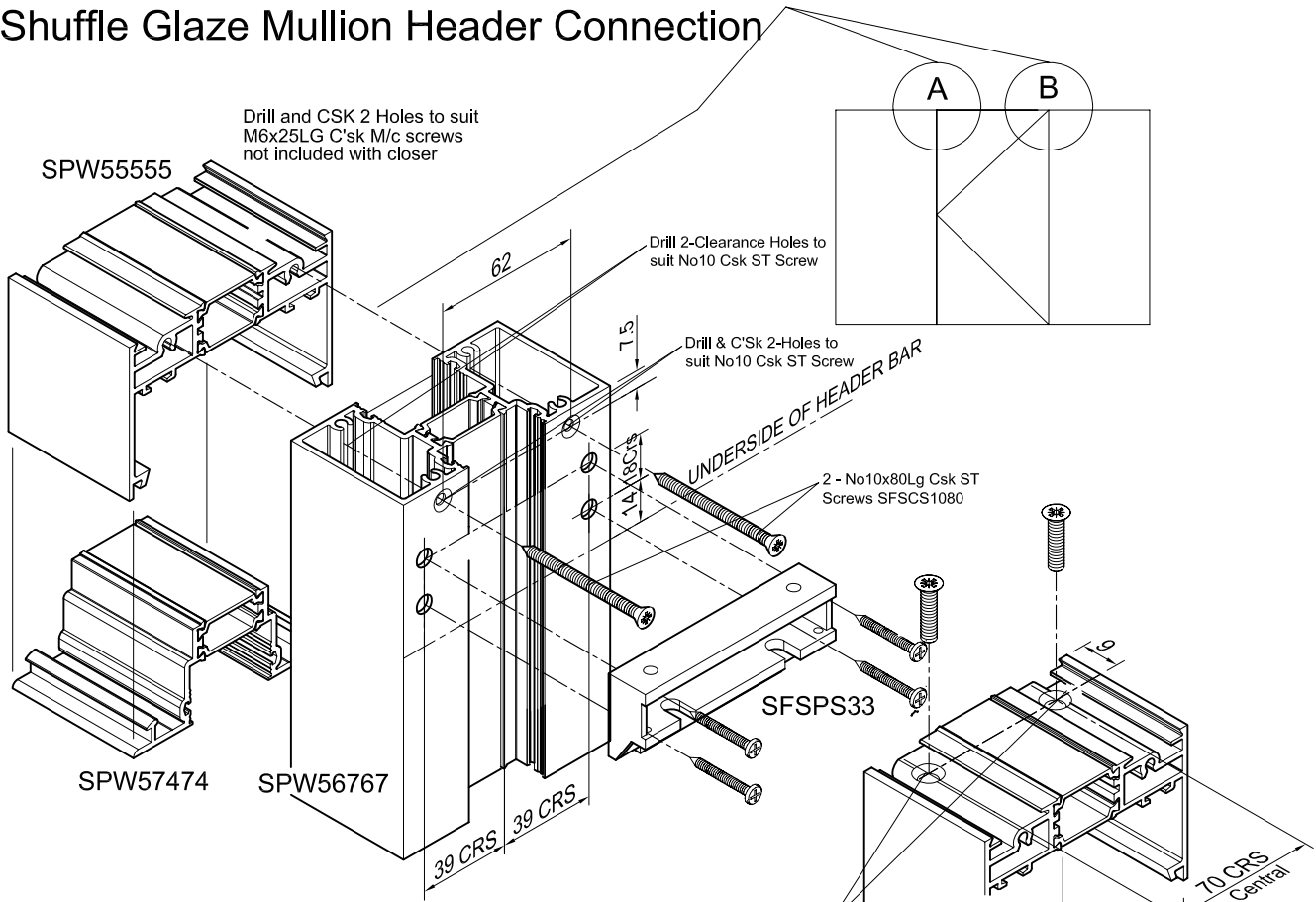
SPW501 Thermal Framing

SPW501.E.24

Square Cut Rails

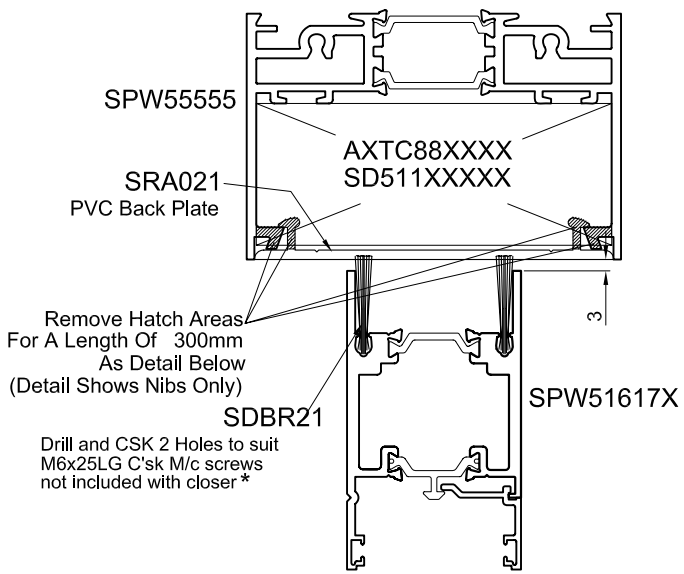
10.14

Shuffle Glaze Mullion Header Connection



Drill and CSK 2 Holes to suit M6x25LG C'sk M/c screws not included with closer

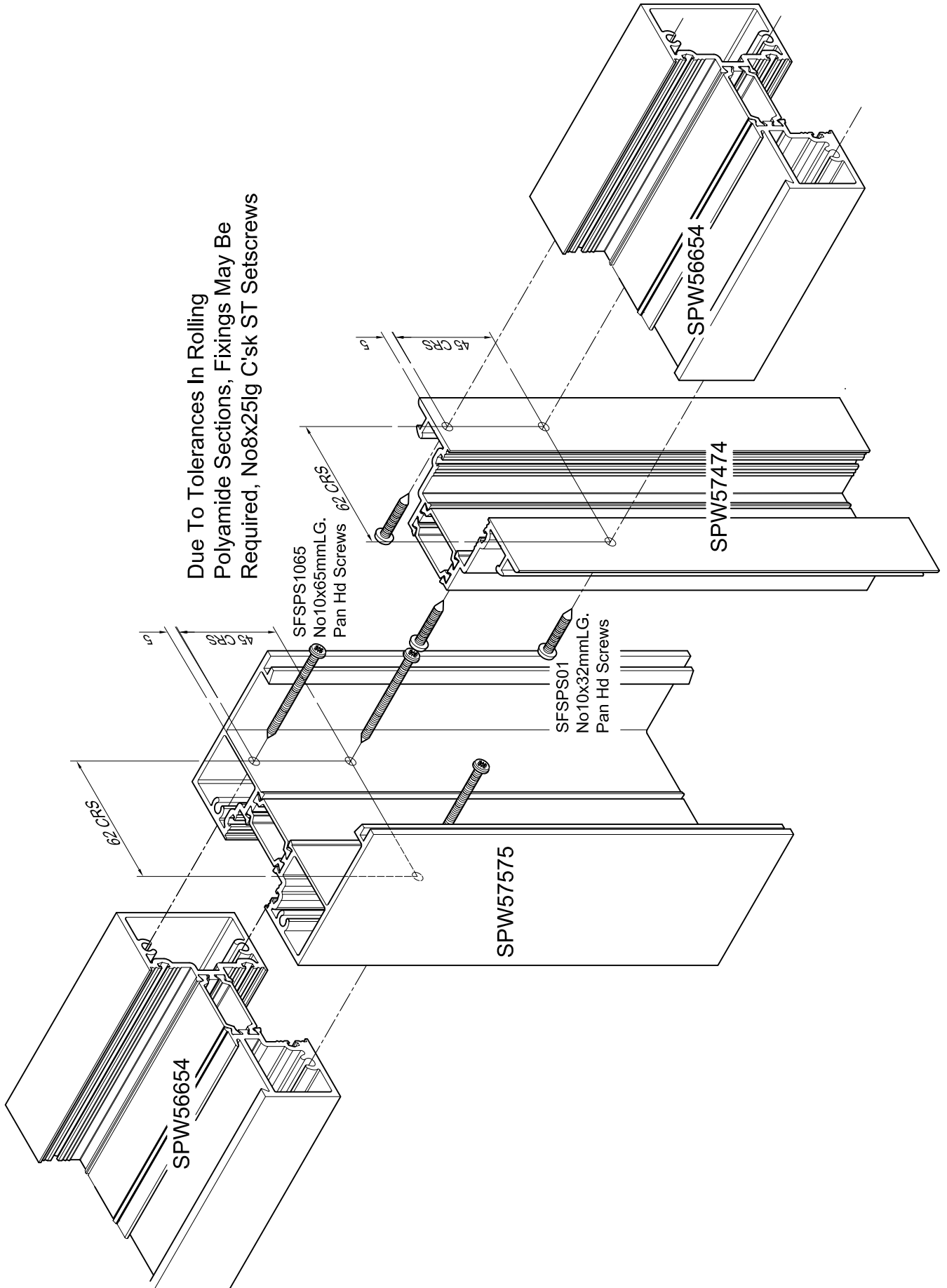
VIEW 'A' AS SHOWN
VIEW 'B' OPPOSITE HAND



SPW501 Thermal Framing

Square Cut Rails

72mm Shuffle Glaze Coupling Mullion



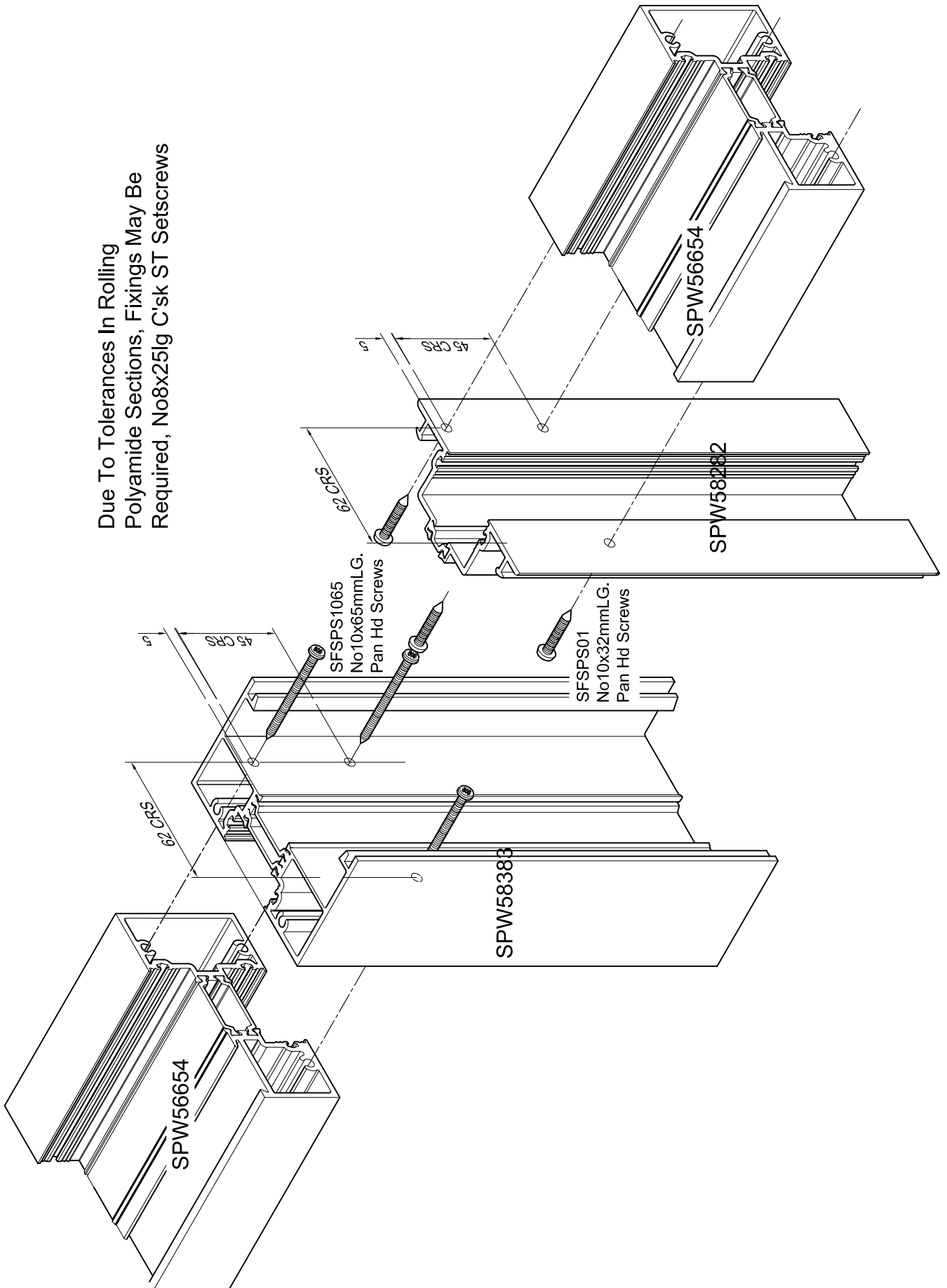
Due To Tolerances In Rolling
Polyamide Sections, Fixings May Be
Required, No8x25lg C'sk ST Setscrews

SPW501 Thermal Framing

Square Cut Rails

Fabrication - Screwported Mullions

Due To Tolerances In Rolling
Polyamide Sections, Fixings May Be
Required, No8x25lg C'sk ST Setscrews



SPW501 Thermal Framing

SPW501.E.28

Square Cut Rails

72mm Shuffle Glaze Coupling Mullion

10.14

Due To Tolerances In Rolling
Polyamide Sections, Fixings May Be
Required, No8x25lg C'sk ST Setscrews

