

# SFG+SD

## GROUND FLOOR TREATMENT

SFG+SD Series  
Product Assembly  
Manual 2006

## Introduction

### The Company

*Senior Architectural Systems 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.*

*Also available from Senior Architectural Systems include: -*

*The HYBRID product range comprising: Casement, Tilt and Turn open in, Doors - Open in / Open out, 44mm Door Slab, and a Curtain Wall system.*

### 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 us on:*

**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.*

## 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 Entrance Screens, Shopfronts and Commercial Doors. The sections and fittings described in this manual are not definitive or exclusive in application but show typical assemblies using standard materials and accessories.*

*These details are suitable for installations in both new buildings and refurbishments. The relevant building regulations should be considered when specifying these products.*

## Construction

*Entrance framing, whether single or double glazed, is constructed using mechanical methods at butt joints. Assemblies use stainless steel or plated self tapping screws into integral screw ports extruded into the body of the sections, directly through square cut adjoining component parts. A proprietary sealant to protect against water entry should always be used on all metal-to-metal joints during assembly.*

*Vertical sections are designed to run through which enables individual panels to be made separately and eases the problems associated with handling or transporting large, or multi panel, frames when fully assembled.*

*Doors are fabricated from square cut components, mechanically jointed, using self tapping screws into special corner brackets and (or) torsion bars for compressive strength, or welded.*

*Glazing options include single glazing to 12mm, double glazing to 24mm, and 'offset' single glazing towards one side of the door. Security is achieved either by securing special outer beads to the main door structure or using our Fixed Rebate Door Rail Sections. 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 which are held in stock at each of our service centres. Door pad handles are held as standard in mill finish, natural anodised AA25 microns, and bronze anodised (Anolok 547) AA25 microns. Tubular handles are also available. Door kits are stock items.*

## Materials

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

*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 gasket tolerances BS3734.*

## Glazing

*Note: All Glazing should be carried out to the recommendations of BS6262.*

*Single glazing:- Glass thickness between 6mm and 12mm may be installed into both the framing system and the door leaves.*

*Framing:- Location of each pane of glass is made into the framing by removing one single 'access' bead at the bottom of each glass opening. The glass is 'shuffle' glazed into position, laterally and vertically, and is held in place by special captive and wedge gaskets.*

*Doors:- Glazing is achieved by the removal of the snap-in beads. Setting blocks should be located in accordance with recommendations from the relevant Standards or Industry Associations. The door glass is also held in place by a combination of captive and wedge gaskets.*

*Double glazing:- A standard unit thickness of 24mm has been adopted as typical for design.*

*Glazing is carried out in the same manner as single glazing.*

## Machinery Requirement

*Senior Architectural Systems' Entrance and Door Systems are designed to facilitate assembly with the minimum of equipment. It is however advisable that a reasonable approach be made to available machinery and it's use to ensure a good quality of finished work with any aluminium product. A range of door punch tooling may be purchased from Senior Aluminium Systems.*

## 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.*

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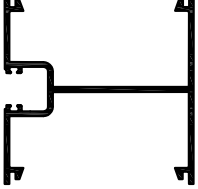
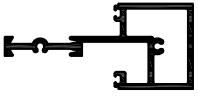
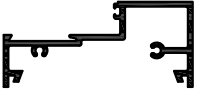







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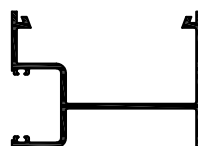
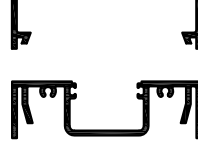
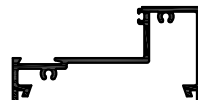


### SINGLE GLAZING

	SFG101 100 x 45 Plain Channel
	SFG102 Standard Plain Plate
	SFG103 Std S.G. Pocket Plate
	SFG104 Deep S.G. Pocket Plate
	SFG105 100 x 45 S.G. Pocket Channel
	SFG106 100 x 100 S.G. Corner Post
	SFG107 100 x 45 S.G. Transom
	SFG108 100 x 45 S.G. Cill & Transom
	SFG109 Standard S.G. Cill & Transom Bead
	SFG133 Sloping S.G. Cill & Transom Bead
	SFG110 S.G. Pocket Filler
	SFG117 Light Plain Plate
	SFG120 S.G. Variable Corner Section
	SFG135 S.G. Pocket Rebate
	SRA021 PVC Back Plate




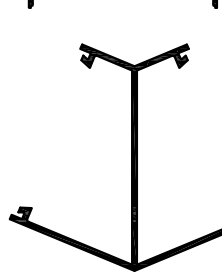


### THRESHOLDS

	SD570 Rebated Threshold
	SD583 Standard Threshold
	SD598 Square Edged Threshold
	SD501 Drained Threshold






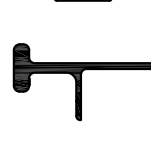
### DOUBLE GLAZING

	SFG121 100 x 50 Plain Channel
	SFG122 D.G. Pocket Filler
	SFG123 D.G. Pocket Plate
	SFG125 100 x 50 D.G. Pocket Channel
	SFG126 100 x 100 D.G. Corner Post
	SFG127 D.G. Variable Corner Section
	SFG128 100 x 50 D.G. Cill & Transom
	SFG129 D.G. Cill/Transom Bead
	SFG136 D.G. Pocket Rebate

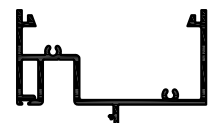

### MISCELLANEOUS

	SFG111 Standard Header Bar
	SFG112 Standard Header Bar Plate
	SFG114 Square Header Bar
	SFG116 135° Corner Post
	SFG118 Sub Cill
	SFG119 Snap In Plate with Weatherpile Slots



### SLIDING DOORS

	SD601 Guide Channel
	SD607 50mm Guide Channel
	SD602 Carrier For SL72-3 Track
	SD603 Normal Duty Track
	SD604 Insert For SL70-3 Track
	SD605 Vertical Handle

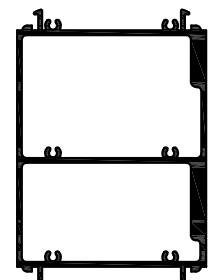
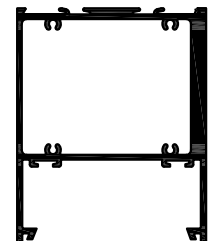
### VISTAFOLD SLIDERS

	SD505 Sliding Door Head
	SD504 Sliding Door Cill

### BEADED SECTIONS

	SFG131 100 x 45 Bead Channel
	SFG132 Bead Plate

### AUTO GEAR SECTIONS

	SFG134 Auto Gear Header
	SFG144 Slim Line Auto Gear Header

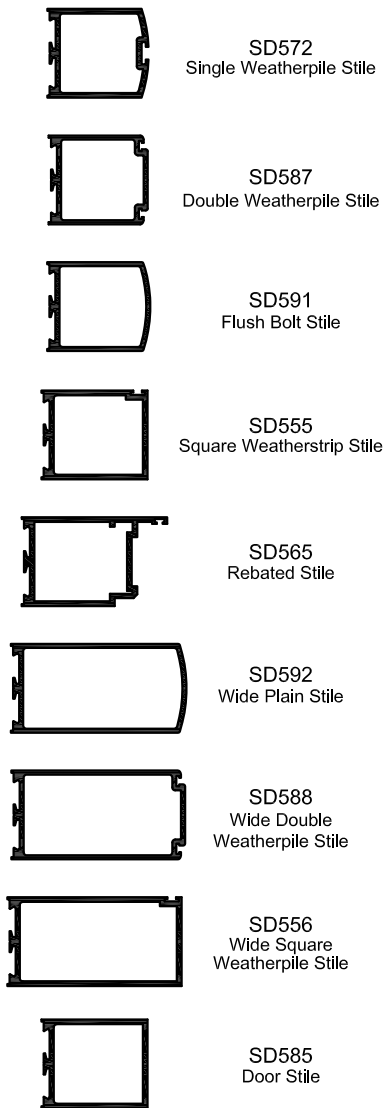
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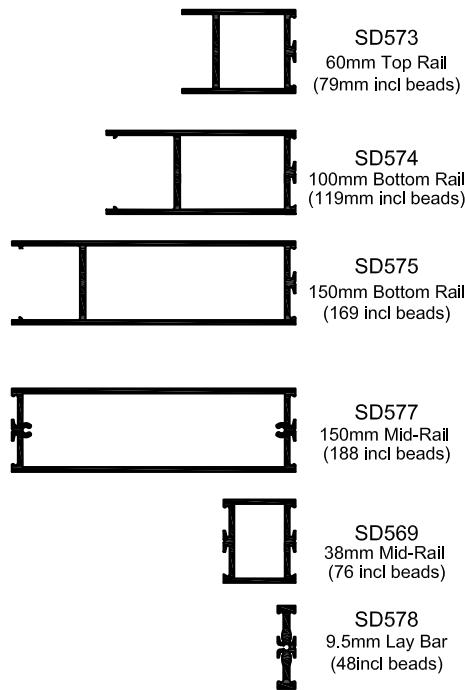
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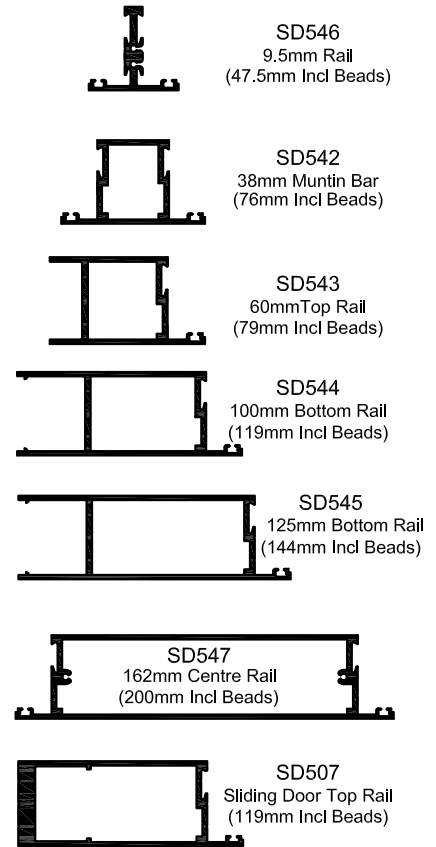
### DOOR STILES



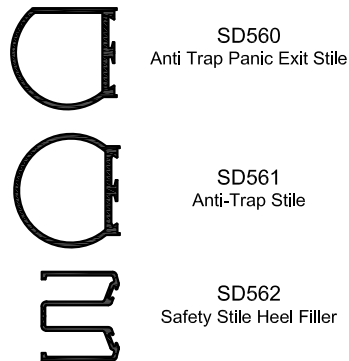
### DOOR RAILS



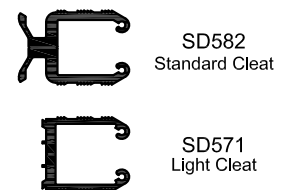
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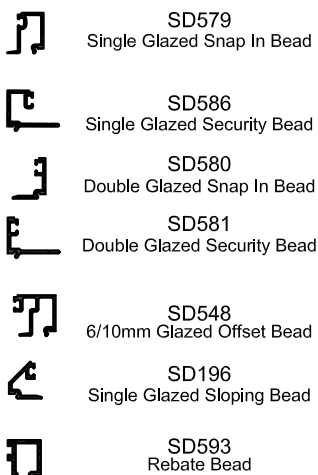
### SAFETY SECTIONS



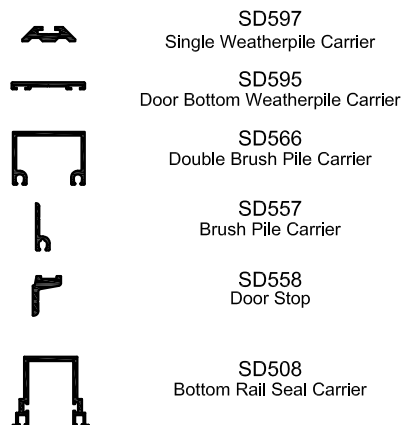
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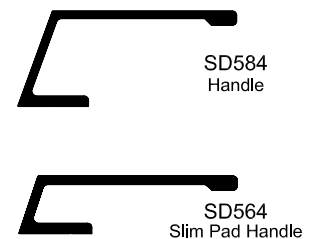
### BEADS



### MISCELLANEOUS



### HANDLES



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1.E.604	Back Set Up-Dated To 31mm (Was 30mm)	04.11
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1.1.iii	General Update	05.11
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1.A.704	Vista Duo+ Page Added	05.11
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1.D.13	Vistafold/Vista Duo+ Combo - Hor Deductions Added	05.11
1.D.14	Vistafold/Vista Duo+ Combo - Hor Deductions Added	05.11
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1.E.403	Screws For SL72402 Changed From M6 To M5.	02.12
1.C.06	Supplier Change - SL95617 Now Brushed Stainless	12.13
1.E.404	Supplier Change - SL95617 Now Brushed Stainless, 73mm Cutout Was 77mm And Appearance Differs Slightly On Elevation, Machining Details Amended To Suit.	12.13

# SFG and SD Series

1.1.MUii

04.11

## Manual Update

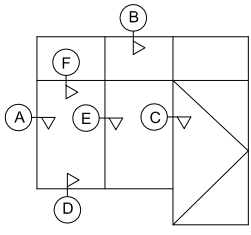
Page No	Update Description	Date

# 1.A.101

02.12

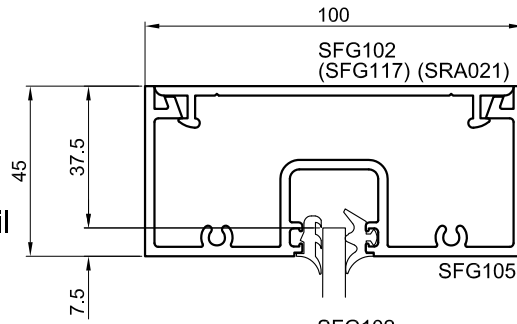
# SFG and SD Series

## General Arrangements - Single Glazed Entrances

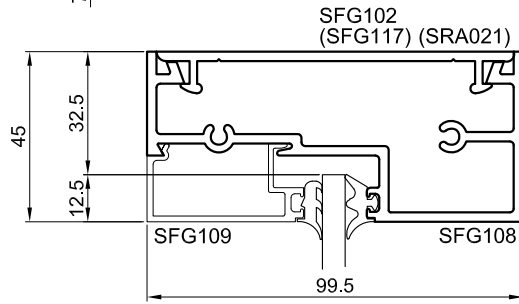


Key

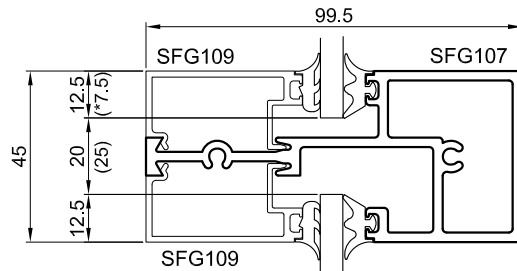
**B<sub>1</sub>** Head Detail



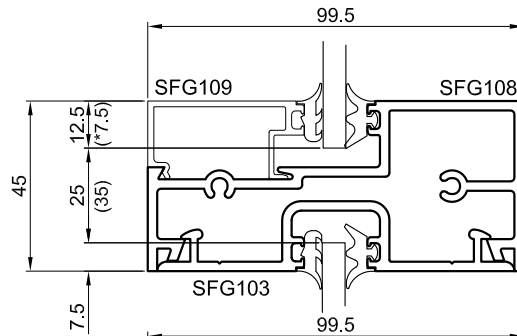
**B<sub>2</sub>** Head Detail (Preferred)



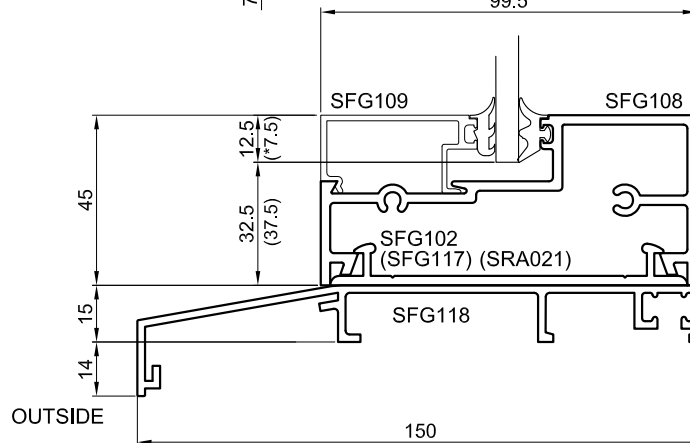
**F<sub>1</sub>** Transom Detail 1



**F<sub>2</sub>** Transom Detail 2



**D** Cill Detail



**\*7.5mm IF USING POCKET FRAME ABOVE  
(AS DETAIL B<sub>1</sub> AND F<sub>2</sub>)**

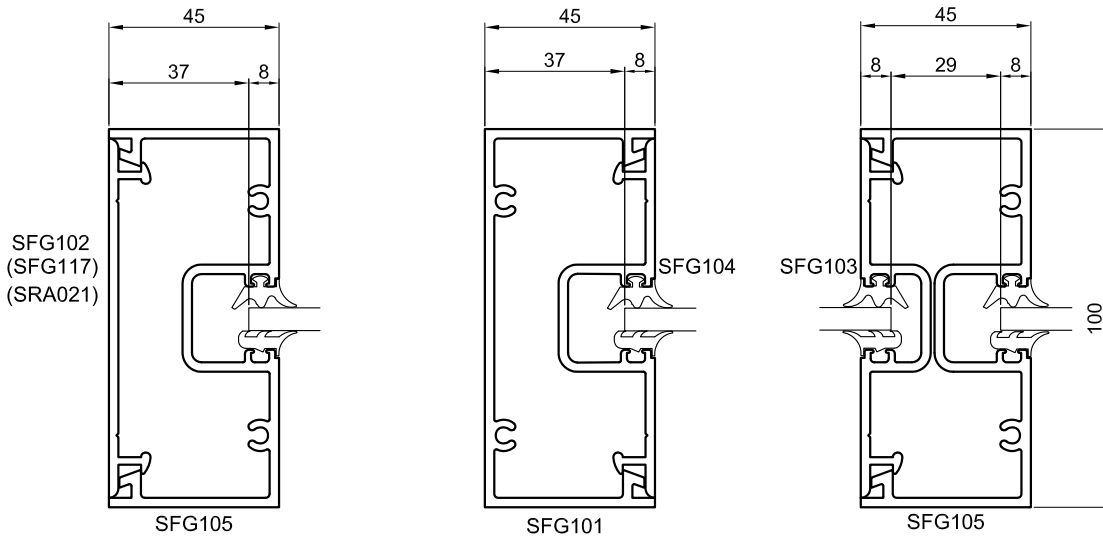
Half Full Size

# SFG and SD Series

1.A.102

## General Arrangements - Single Glazed Entrances

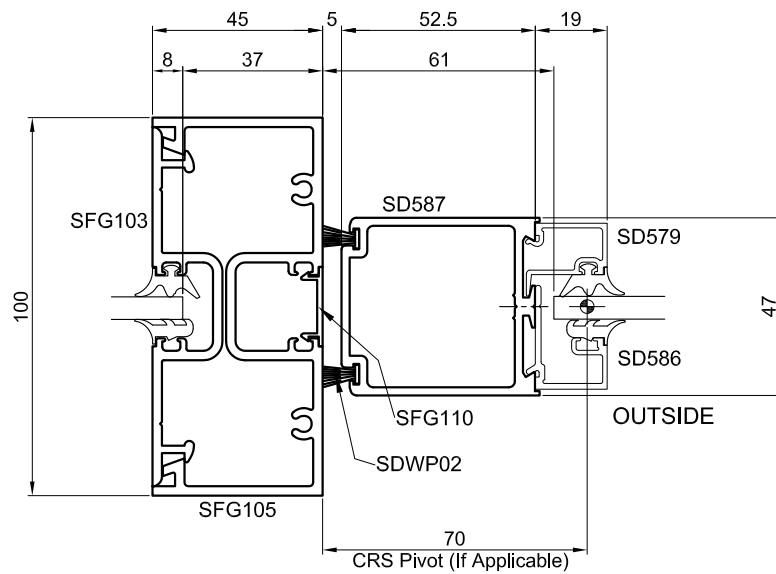
02.12



**A1** Jamb Detail

**A2** Jamb Detail

**E** Mullion Detail



**C** Door Mullion Detail

Half Full Size

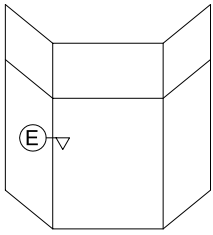
# 1.A.103

08.06

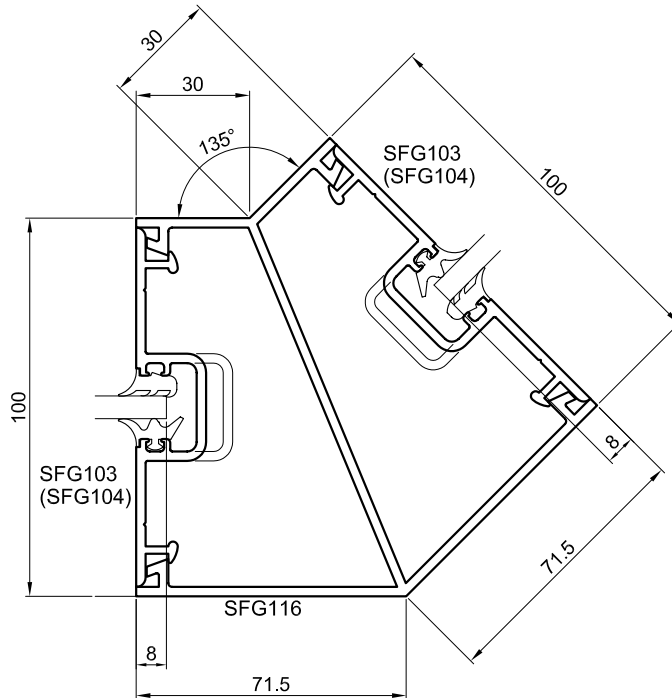
# SFG and SD Series

## General Arrangements - Corner Posts

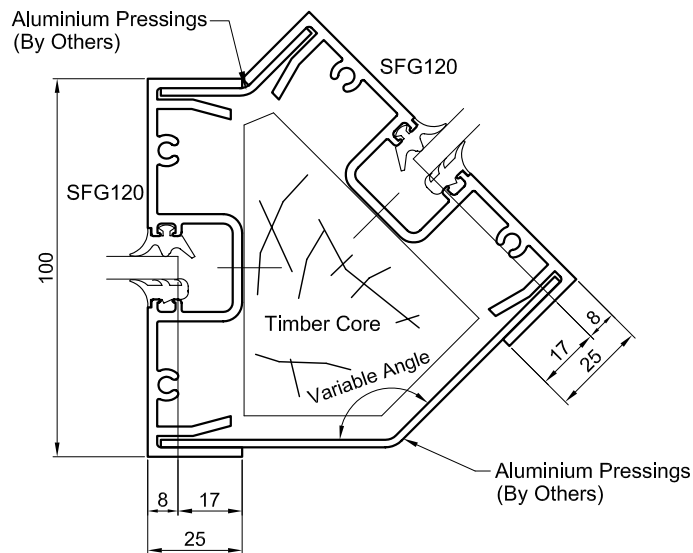
### Variable Angle Posts



Key



**E<sub>1</sub>** 135° Corner Detail



**E<sub>2</sub>** Variable Angle Post  
Single Glazed

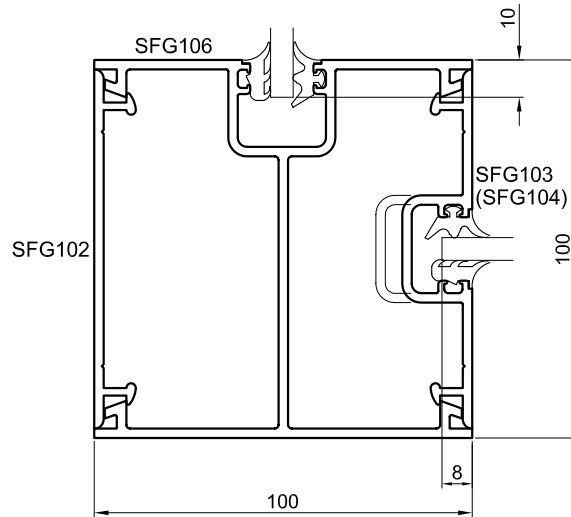
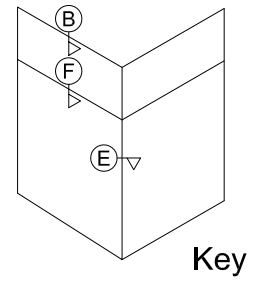
Half Full Size

# SFG and SD Series

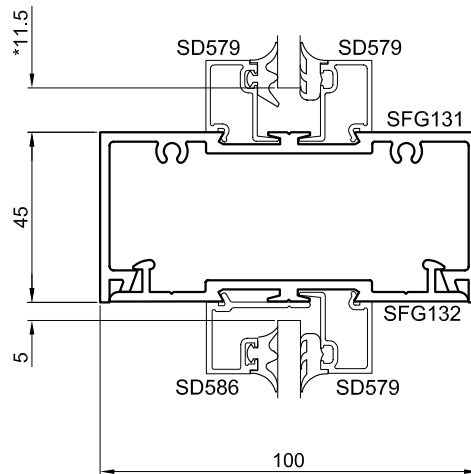
## General Arrangements - Corner Posts Beaded Sections

1.A.104

08.06



**E** 90° Corner Post  
(Single Glazed)



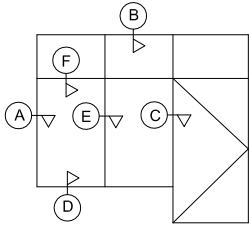
\* REDUCE TO 5mm CLEARANCE IF  
BEAD GLAZING AT B (SEE ABOVE)

**F** Beaded Sections

# 1.A.201

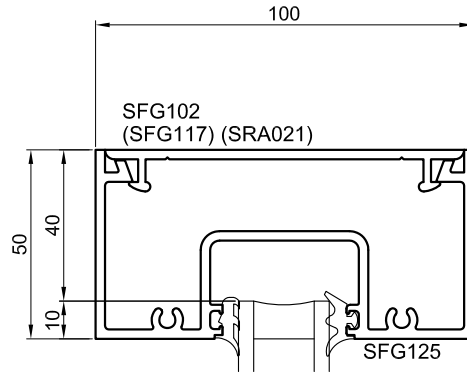
02.12

# SFG and SD Series General Arrangements - Double Glazed Entrances

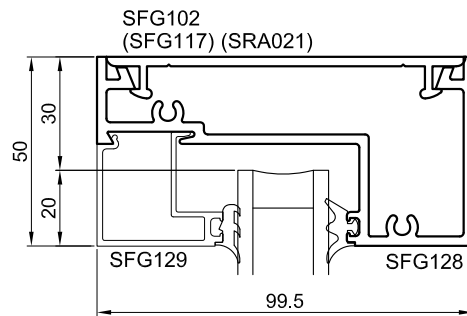


Key

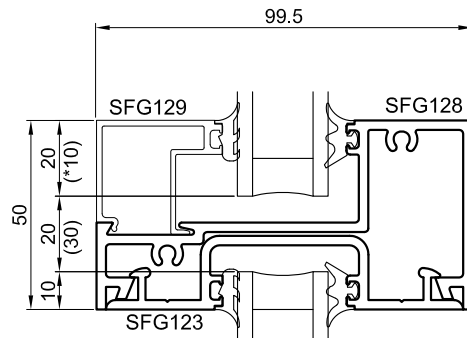
**B<sub>1</sub>** Top Rail



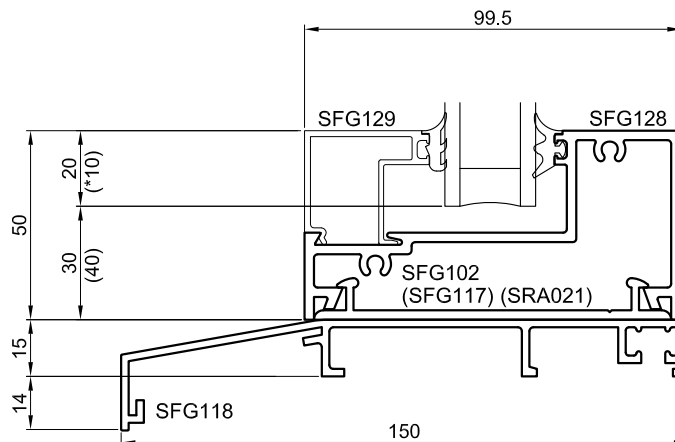
**B<sub>2</sub>** Top Rail (Preferred)



**F** Transom



**D** Cill



\*10mm IF USING POCKET FRAME ABOVE  
(AS DETAIL B<sub>1</sub> AND F)

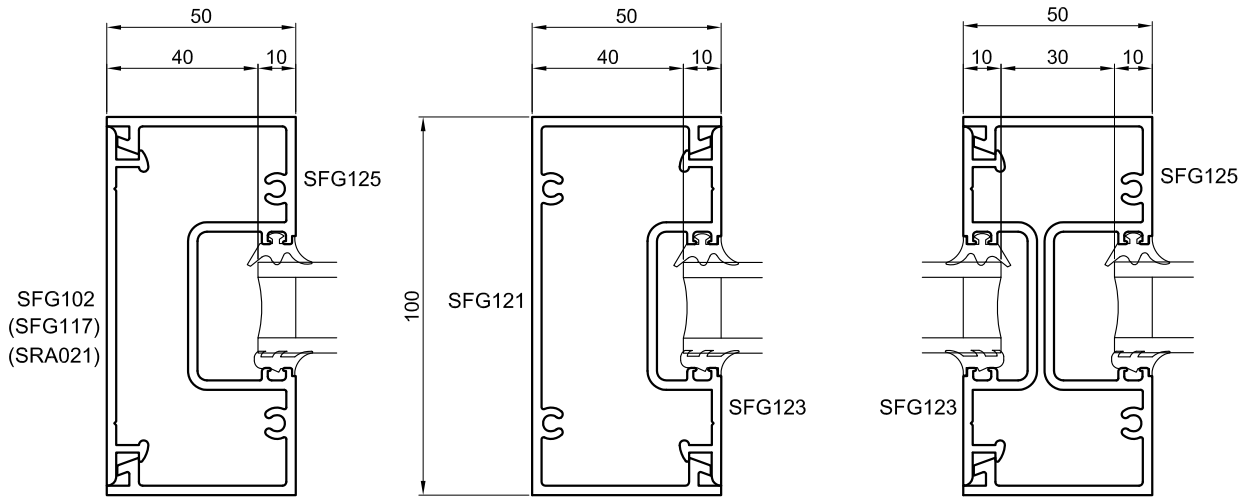
Half Full Size

# SFG and SD Series

1.A.202

## General Arrangements - Double Glazed Entrances

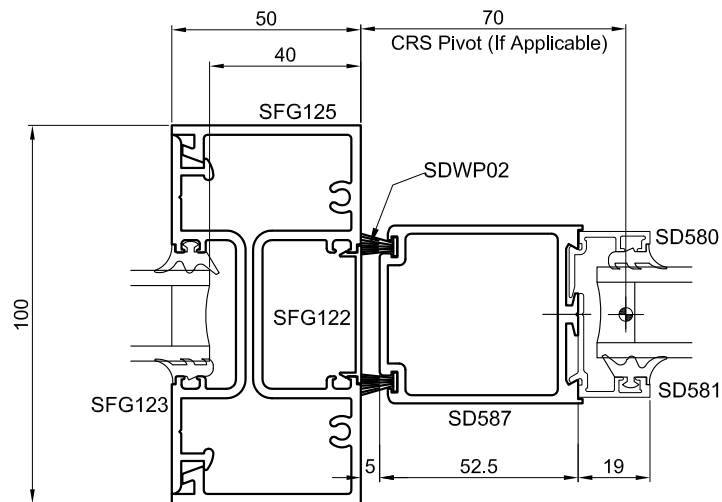
02.12



**A<sub>1</sub>** Jamb Detail

**A<sub>2</sub>** Jamb Detail

**E** Mullion Detail



**C** Door Mullion Detail

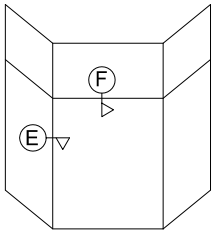
Half Full Size

# 1.A.203

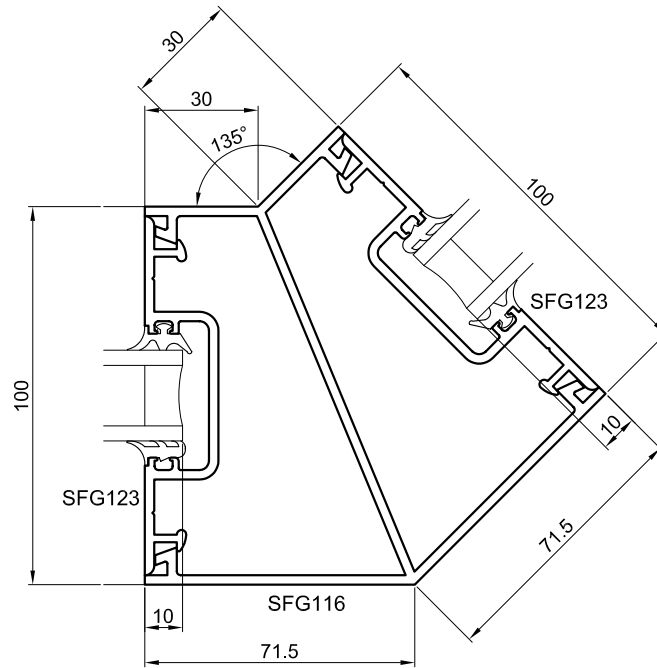
# SFG and SD Series

08.06

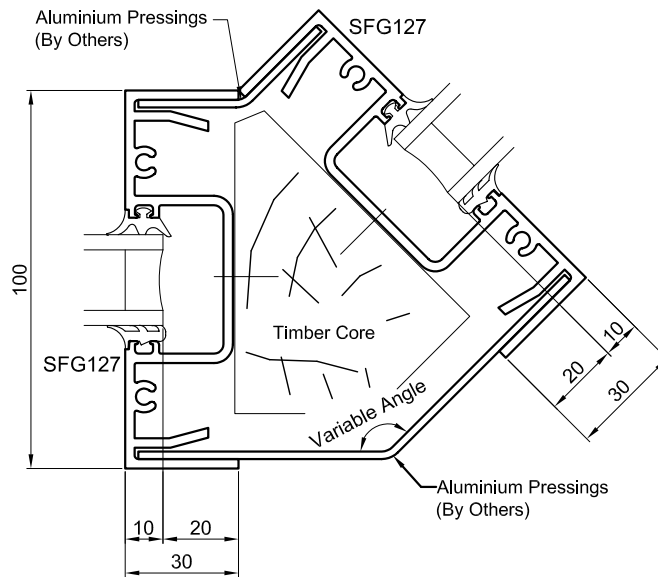
## General Arrangements - Corner Posts, Variable Angle Posts



Key



**E<sub>1</sub>** 135° Corner Detail



**E<sub>2</sub>** Variable Angle Post  
Double Glazed

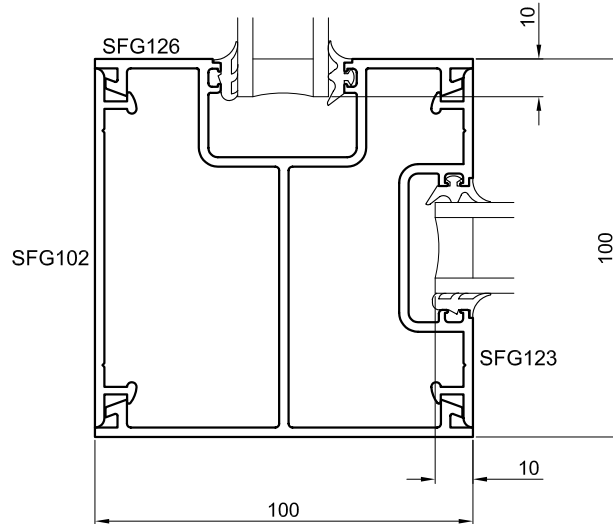
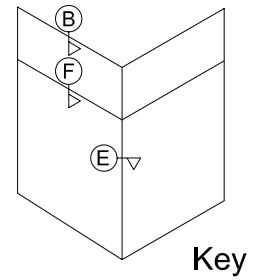
Half Full Size

# SFG and SD Series

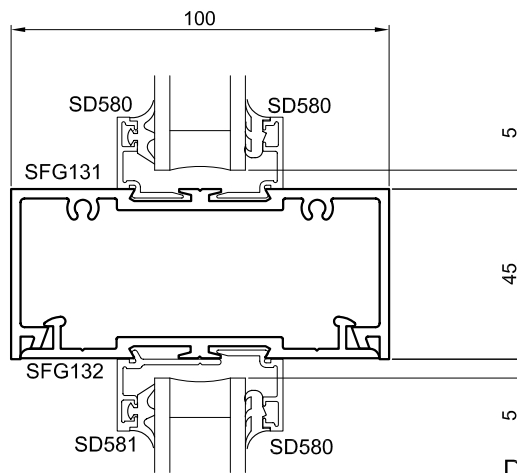
## General Arrangements - Corner Posts & Beaded Section

1.A.204

08.06



**E** 90° Corner Post  
(Double Glazed)



DETAIL NOT SUITABLE FOR  
POCKET GLAZING AT HEAD B

**F** Beaded Sections

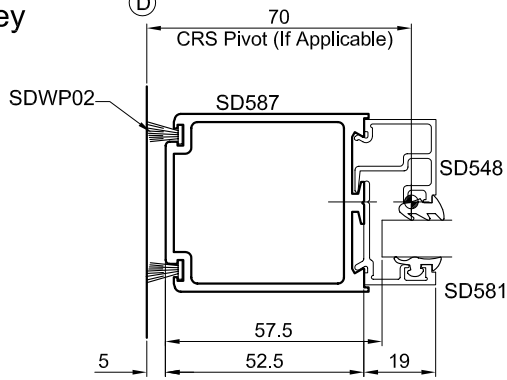
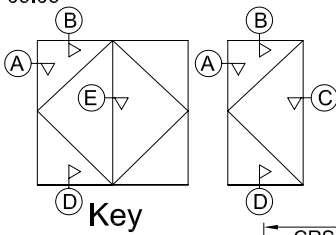
Half Full Size

# 1.A.301

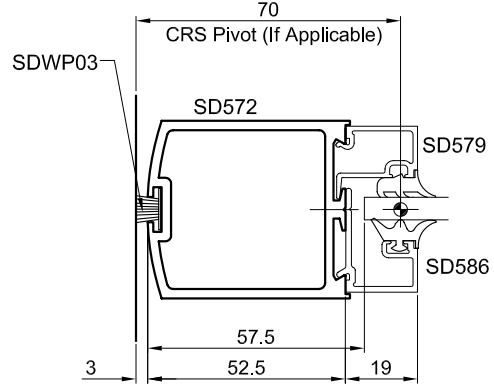
09.06

# SFG and SD Series

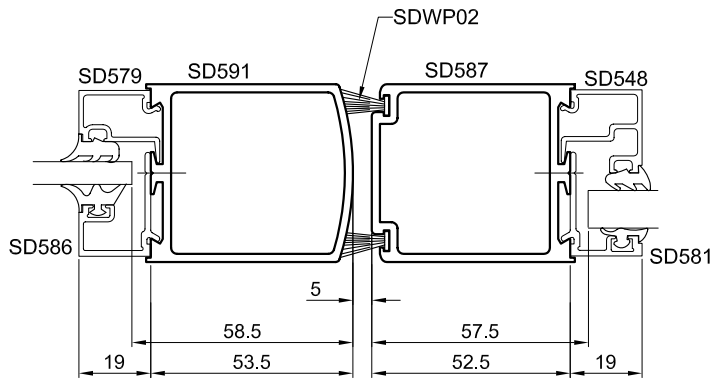
## General Arrangements - Door Stiles



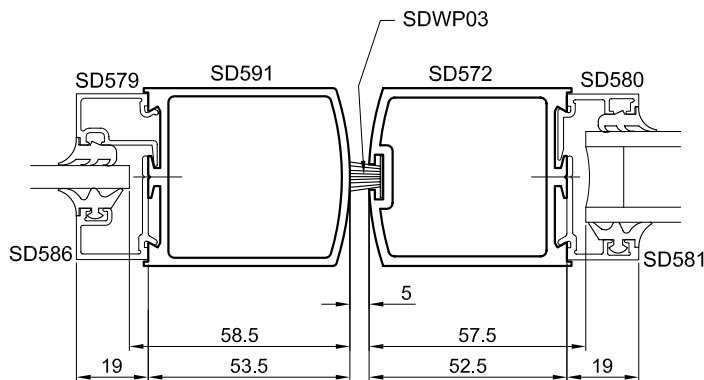
**A<sub>1</sub>** Double Weatherstrip Hinge Stile



**A<sub>2</sub>** Single Weatherstrip Hinge Stile



**E<sub>1</sub>** Double Weatherstrip Meeting Stiles



**E<sub>2</sub>** Single Weatherstrip Meeting Stiles

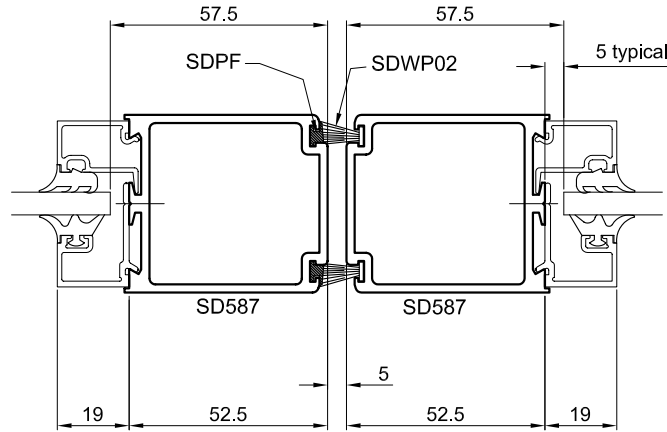
Half Full Size

# SFG and SD Series

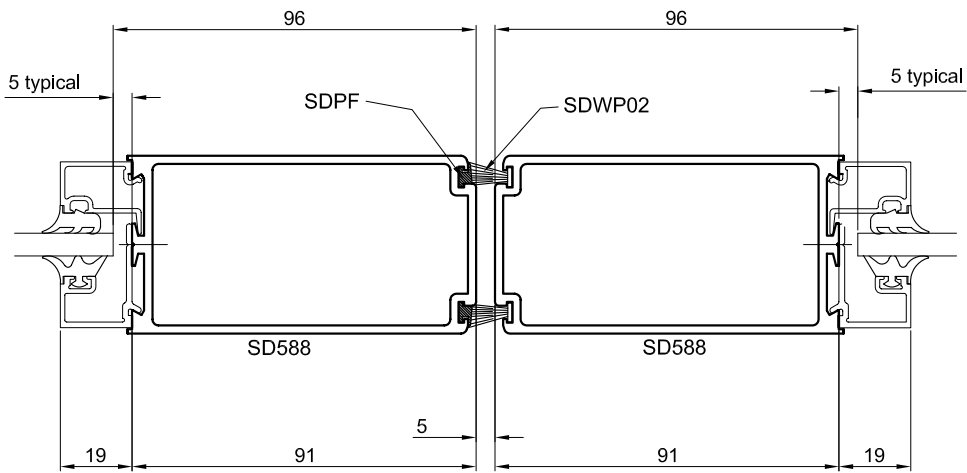
Pocket Filler - SDPF

1.A.302

08.06



**E<sub>3</sub>** SD587 Double Weatherstrip Meeting Stiles



**E<sub>4</sub>** SD588 Double Weatherstrip Meeting Stiles

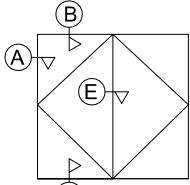
Half Full Size

1.A.303

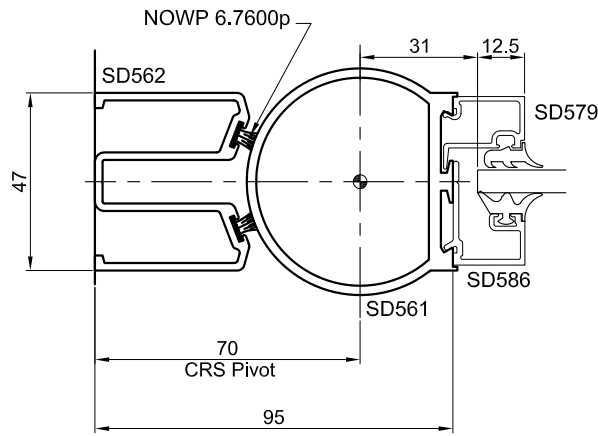
# SFG and SD Series

## General Arrangements - Anti Finger Trap Door Stiles

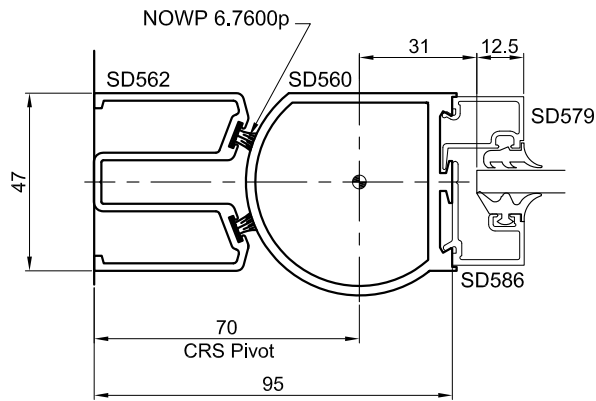
02.12



Key



**A<sub>1</sub>** Anti Finger Trap Stiles Double Action



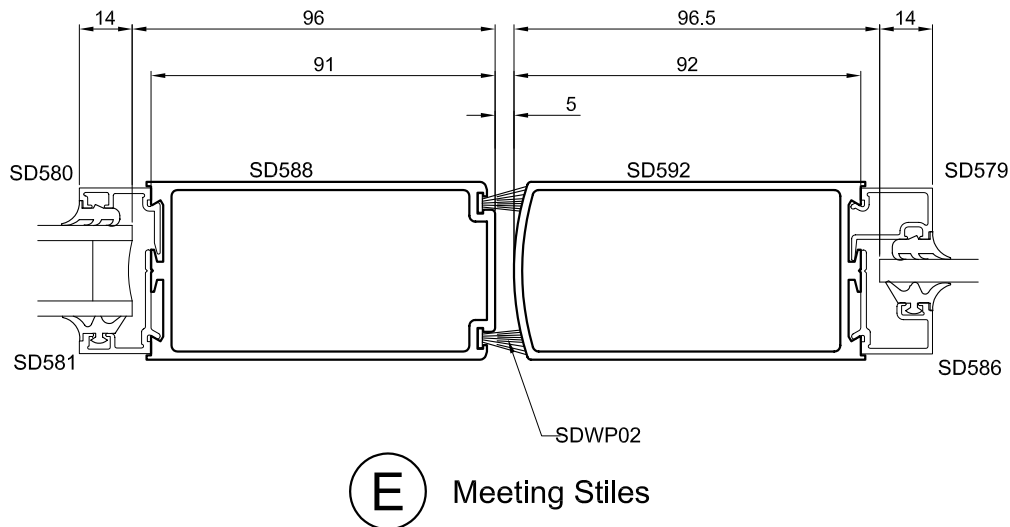
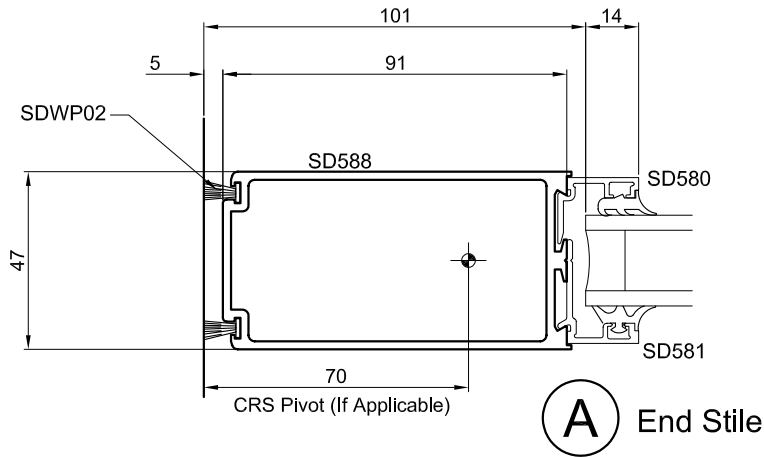
**A<sub>2</sub>** Anti Finger Trap Stiles (Panic Bar)

# SFG and SD Series

1.A.304

## General Arrangements - Wide Door Stiles

08.06



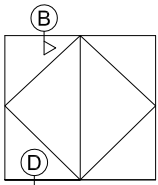
See Also Detail C4 On Page 1.A.302

Half Full Size

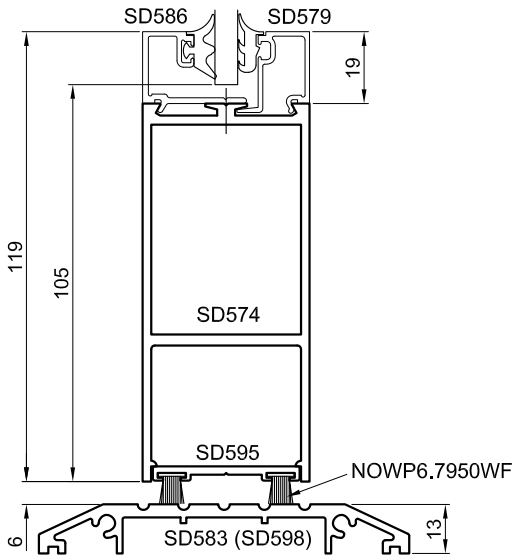
# 1.A.305

02.12

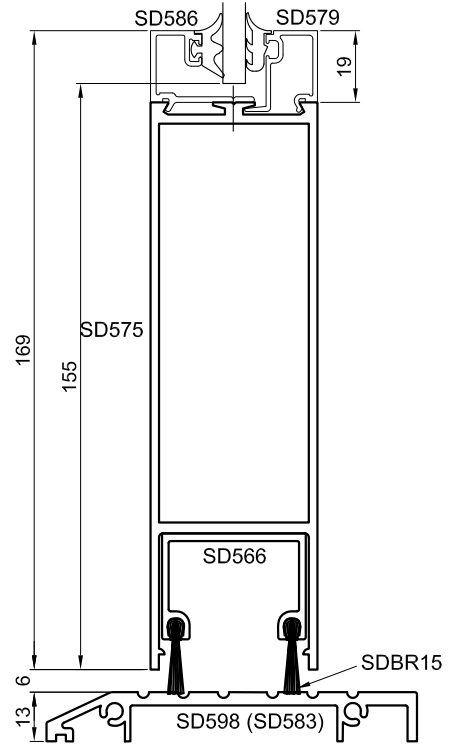
# SFG and SD Series General Arrangements - Door Thresholds



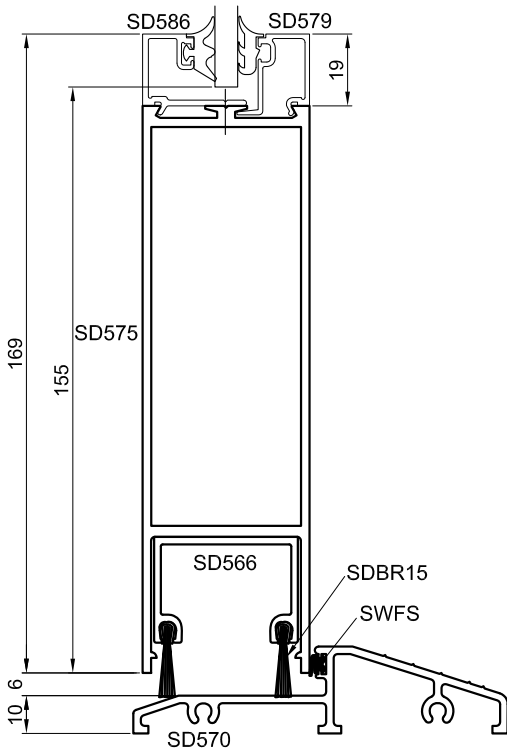
Key



**D<sub>1</sub>** 100mm Bottom Rail Detail



**D<sub>2</sub>** 150mm Bottom Rail Detail



**D<sub>3</sub>** 150mm Bottom Rail Detail

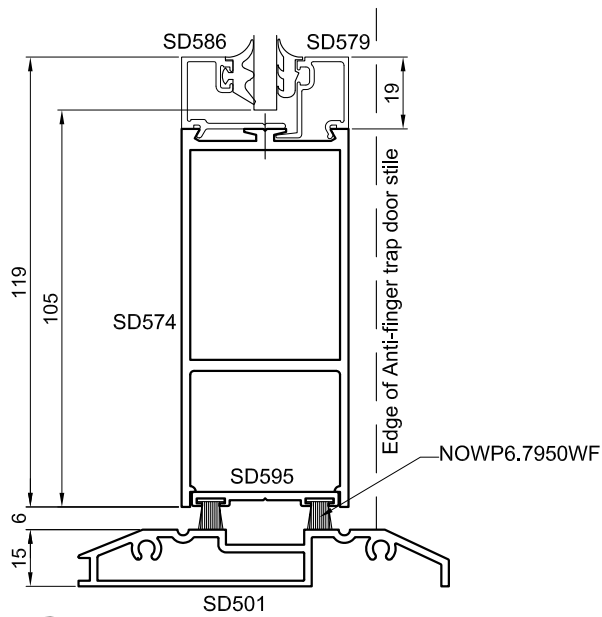
Half Full Size

# SFG and SD Series

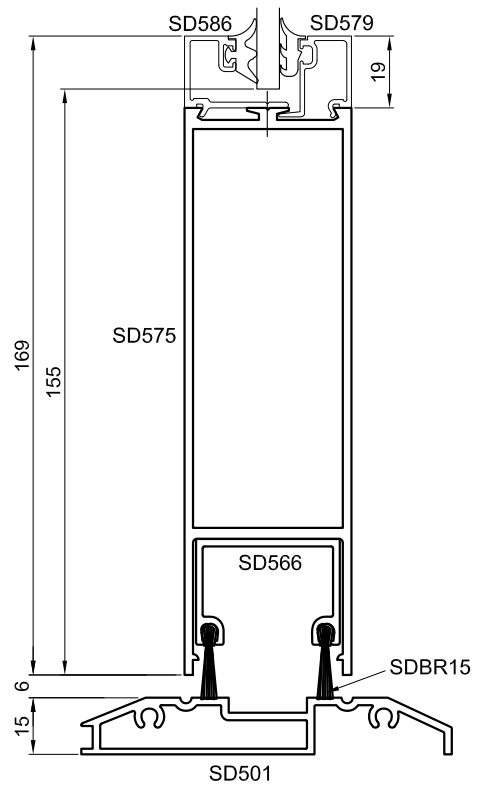
## General Arrangements - Door Thresholds

1.A.306

02.12



**D<sub>5</sub>** 100mm Bottom Rail Detail



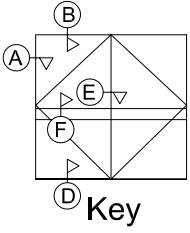
**D<sub>6</sub>** 150mm Bottom Rail Detail

1.A.307

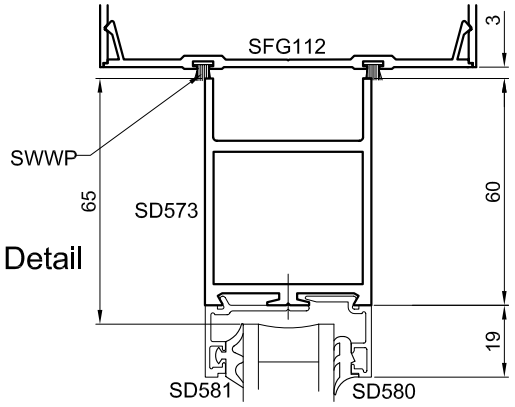
09.06

# SFG and SD Series

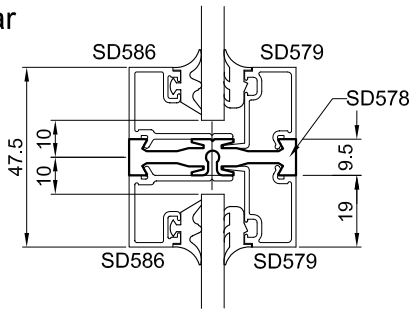
## General Arrangements - Top Rail & Midrails



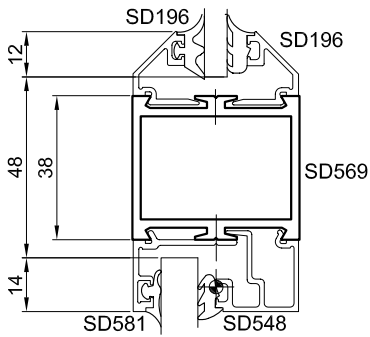
**B<sub>1</sub>** Top Rail Detail



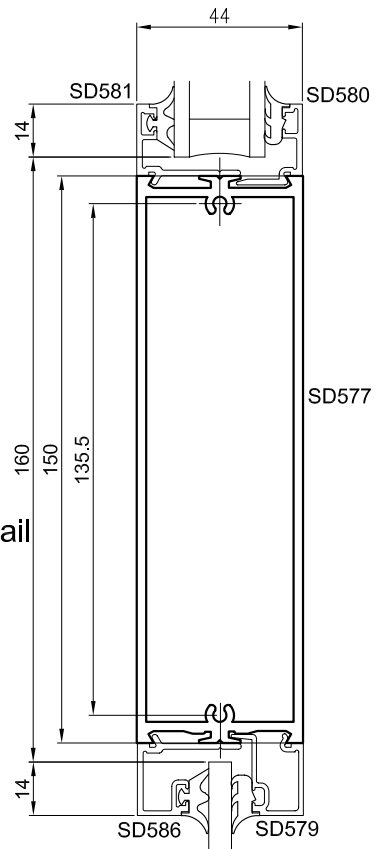
**F<sub>3</sub>** Laybar



**F<sub>4</sub>** Midrail



**F<sub>1</sub>** Midrail



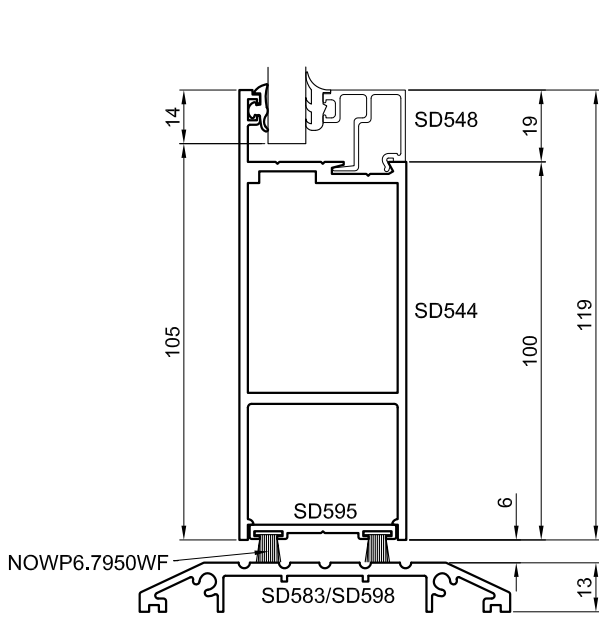
Half Full Size

# SFG and SD Series

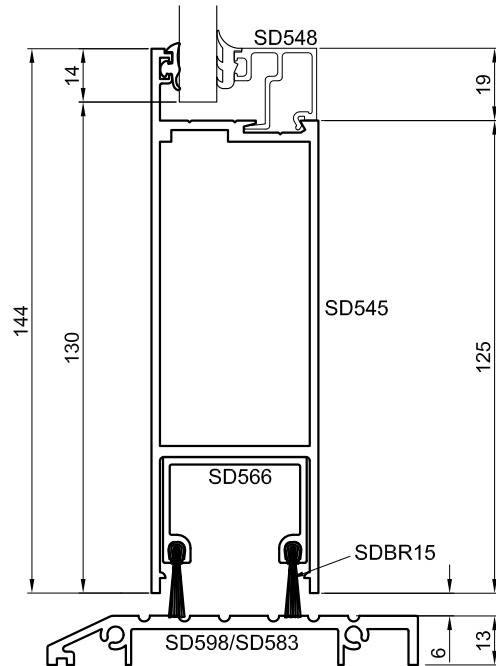
1.A.308

## General Arrangements - Door Rails, Fixed Bead

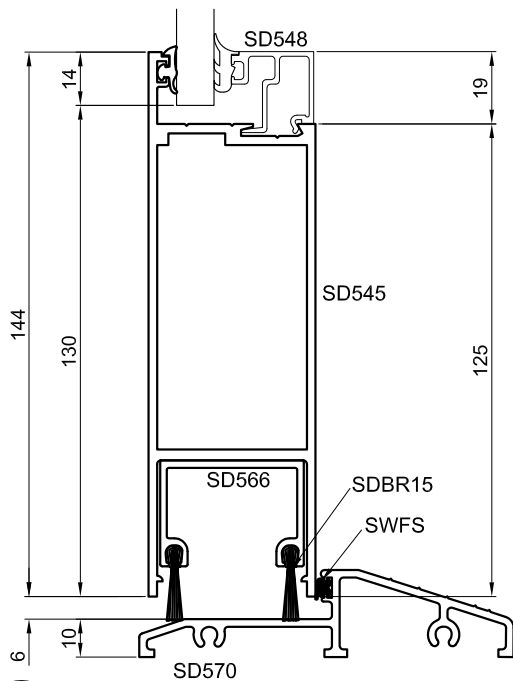
02.12



**D<sub>1</sub>** 100mm Bottom Rail Detail



**D<sub>2</sub>** 150mm Bottom Rail Detail



**D<sub>3</sub>** 150mm Bottom Rail Detail

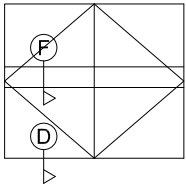
Half Full Size

1.A.309

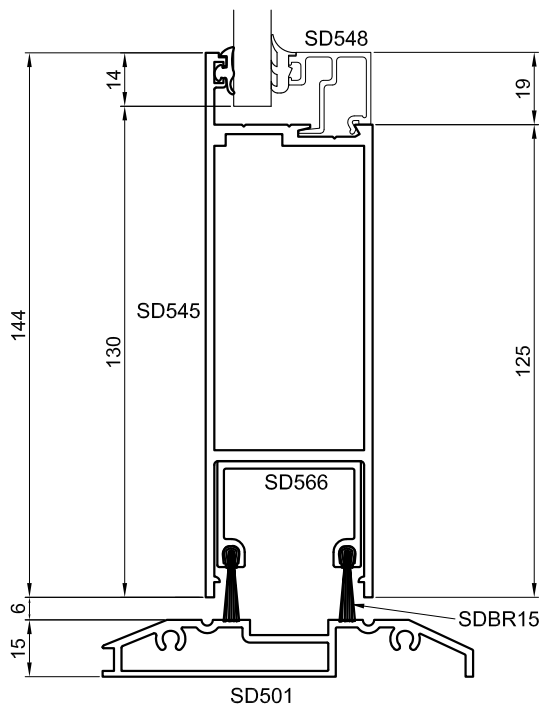
02.12

# SFG and SD Series

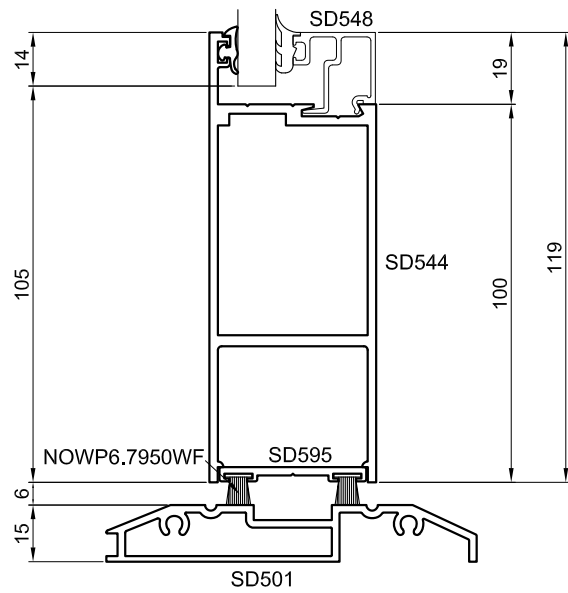
## General Arrangements - Door Rails Fixed Bead



Key



**D<sub>5</sub>** Bottom Rail



**D<sub>6</sub>** Bottom Rail

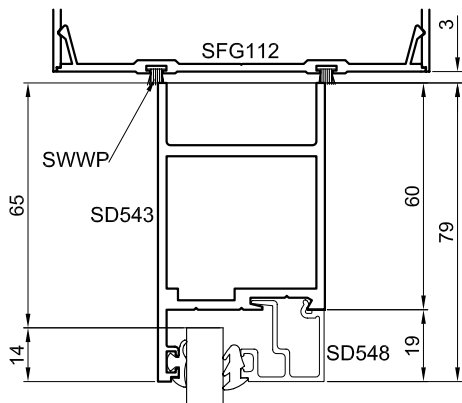
Half Full Size

# SFG and SD Series

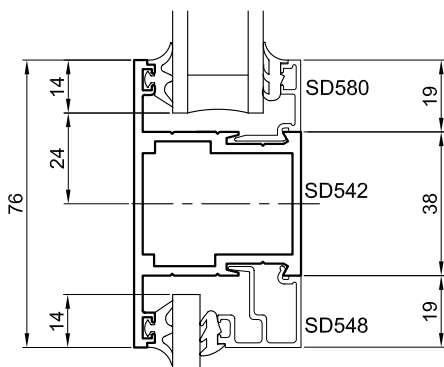
1.A.310

## General Arrangements - Door Rails Fixed Bead

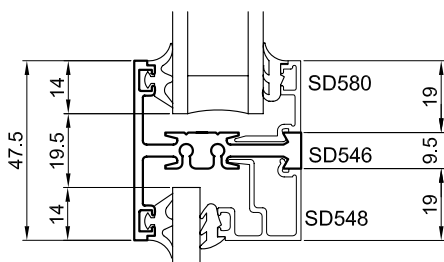
08.06



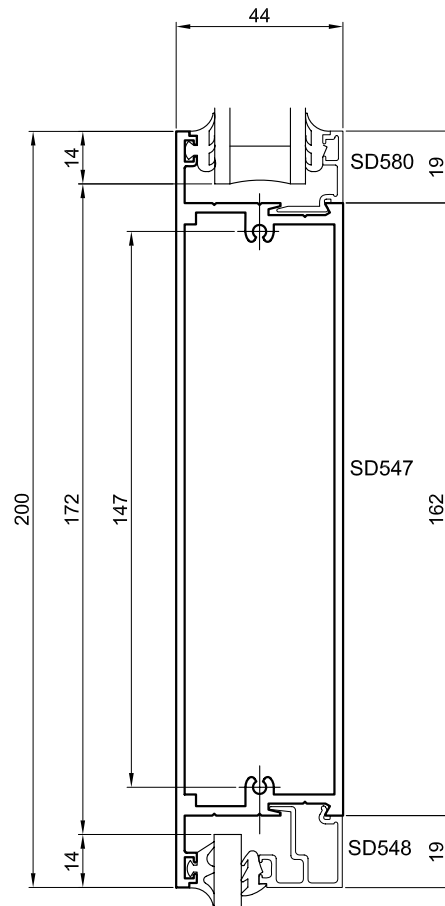
**B<sub>2</sub>** Top Rail



**F<sub>5</sub>** Midrail



**F<sub>6</sub>** Midrail



**F<sub>7</sub>** MidRail

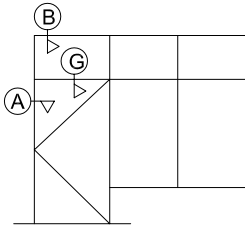
Half Full Size

# 1.A.311

# SFG and SD Series

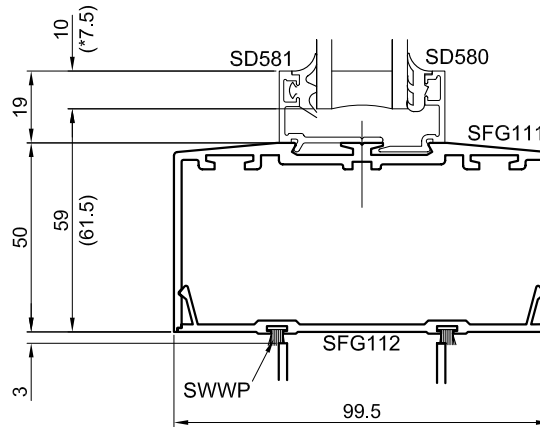
## General Arrangements - Door Header Bars

08.06



Key

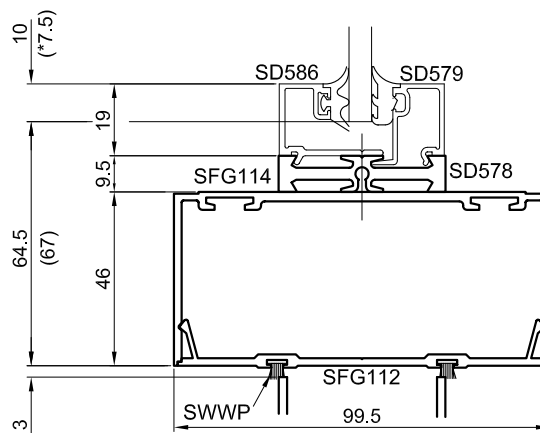
For Concealed Overhead Door Closers.  
(Double Glaze Shown)



\*7.5mm If Using Pocket Frame At Head (B)

**G<sub>1</sub>** Header - Integral Bead Carrier

For Concealed Overhead Door Closers.  
(Single Glaze Shown)



\*7.5mm If Using Pocket Frame At Head (B)

**G<sub>2</sub>** Header - Bead Carrier

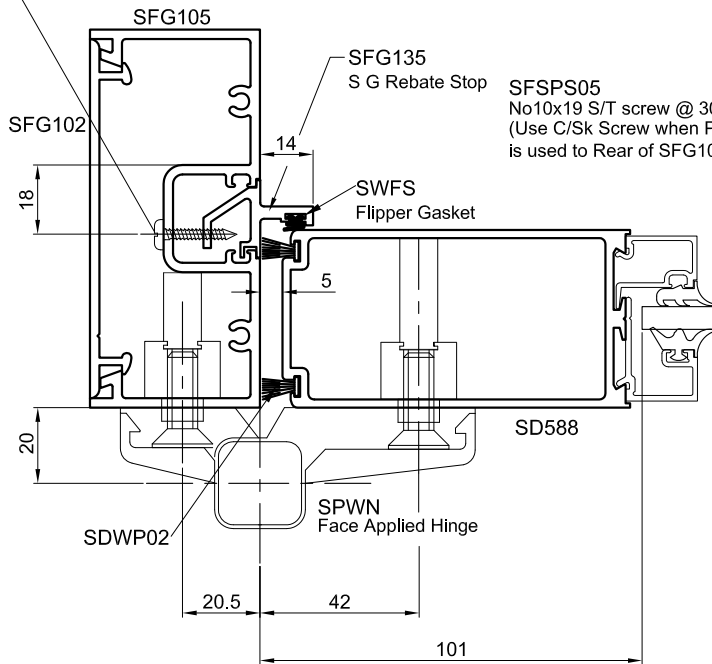
# SFG and SD Series

1.A.312

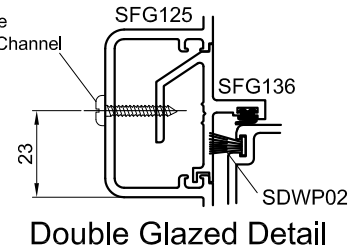
## General Arrangements - Rebated Door Perimeters

08.06

SFSPS05  
 No10x19 S/T screw @ 300CrS  
 (Use C/Sk Screw when Pocket Plate  
 is used to Rear of SFG105 Pocket Channel

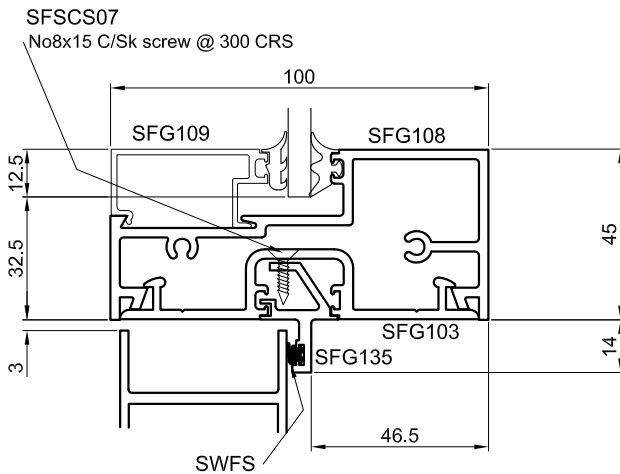


**A** Door Mullion Plan (Single Glazed)

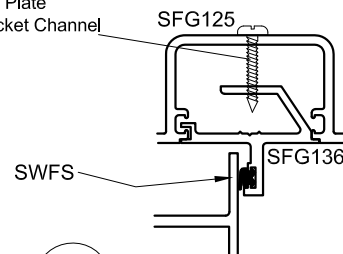


Double Glazed Detail

SFSPS05  
 No10x19 S/T screw @ 300 CRS  
 (Use C/Sk Screw when Pocket Plate  
 is used to Rear of SFG125 Pocket Channel

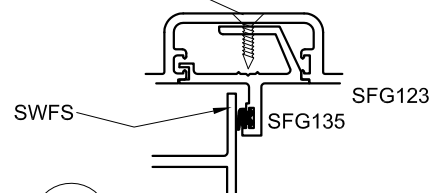


**G1** Door Header Section (Single Glazed)



**G2** Double Glazed Detail

SFSCS07  
 No8x15 C/Sk screw @ 300 CRS

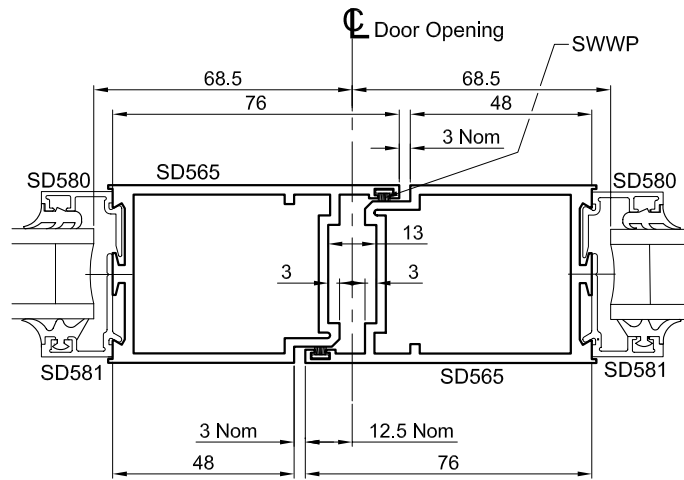
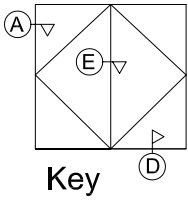


**G3** Double Glazed Detail

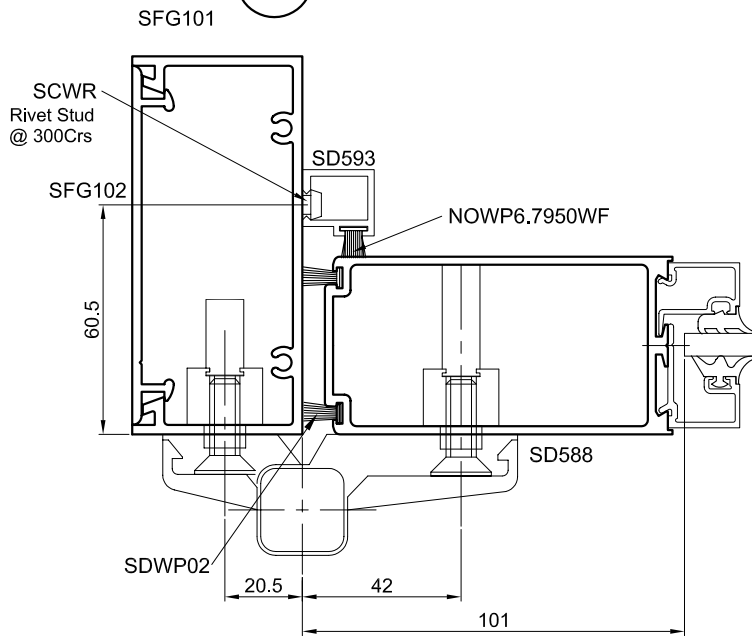
# 1.A.313

08.06

# SFG and SD Series General Arrangements - Rebated Doors



**E** Rebated Meeting Stiles



**A** SD593 Rebate

Half Full Size

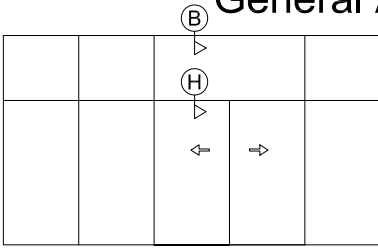
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# 1.A.401

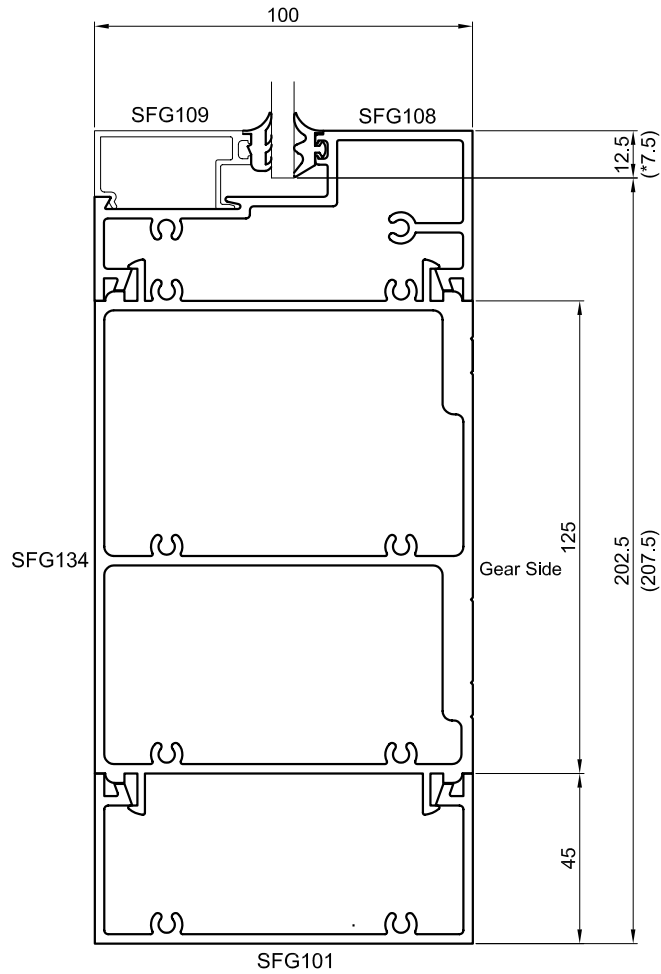
# SFG and SD Series

08.06

## General Arrangements - Auto Gear Header Single Glazed



Key



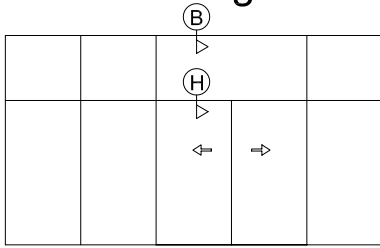
**(H)** Auto Gear Header

\*7.5mm IF USING POCKET FRAME  
AT B ABOVE

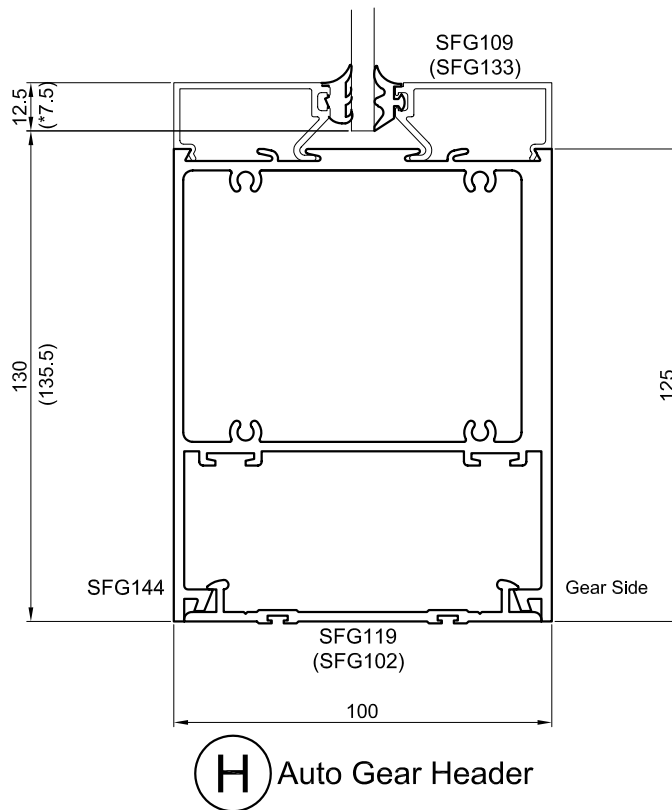
# SFG and SD Series

1.A.402

General Arrangements - Slim Auto Gear Header Bar Single Glazed 08.06



Key



\*7.5mm IF USING POCKET FRAME  
AT B ABOVE

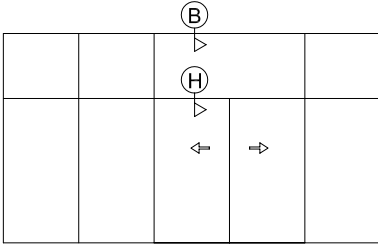
Half Full Size

# 1.A.403

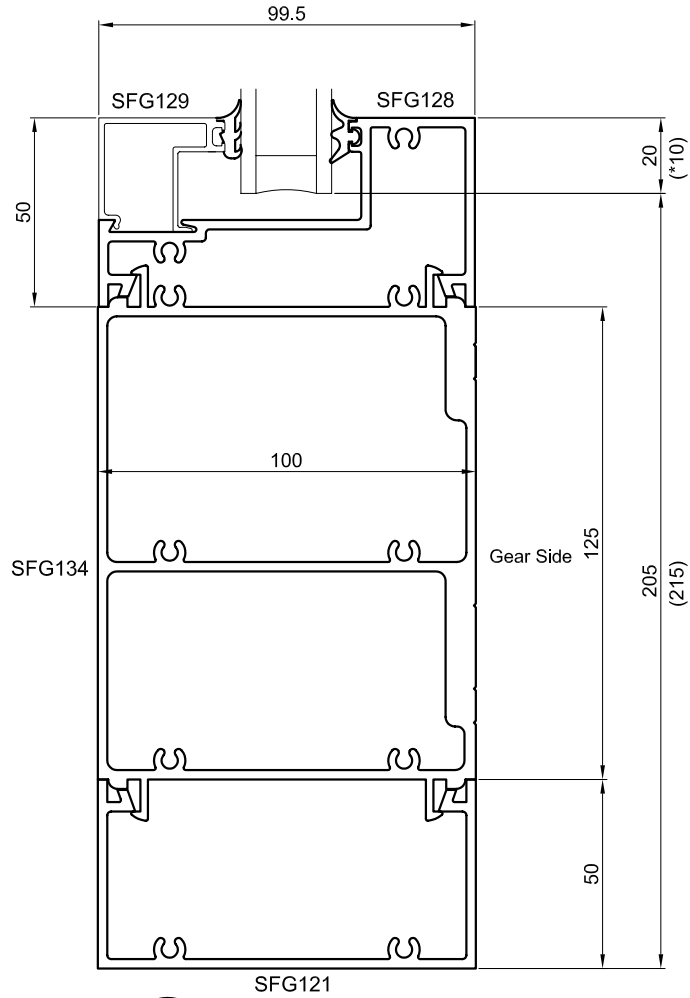
08.06

# SFG and SD Series

## General Arrangements - Auto Gear Header Double Glazed



Key



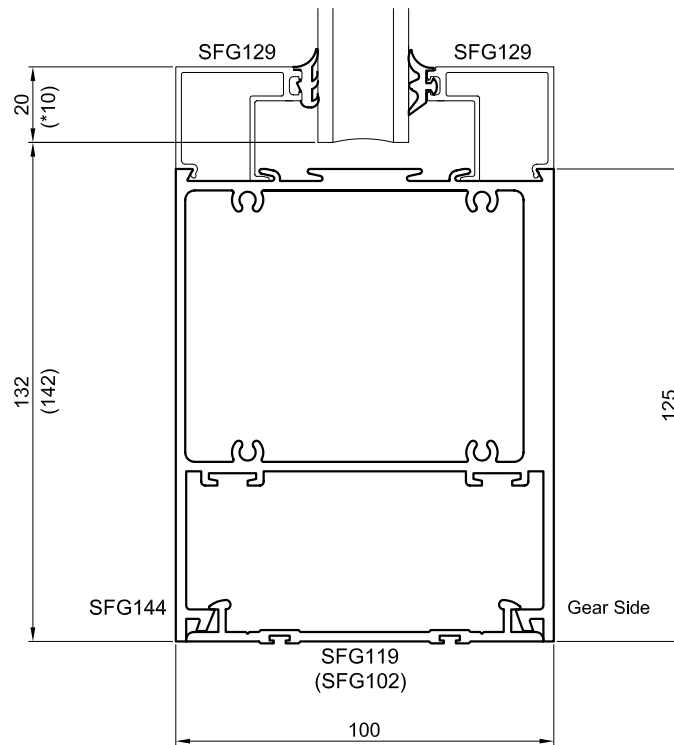
**(H)** Auto Gear Header

\*10mm IF USING POCKET FRAME  
AT B ABOVE

# SFG and SD Series

1.A.404

General Arrangements - Slim Auto Gear Header Bar Double Glazed 08.06



\*10mm IF USING POCKET FRAME  
AT B ABOVE

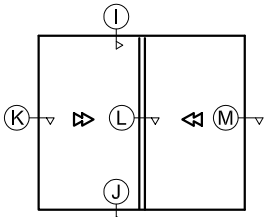
Half Full Size

# 1.A.501

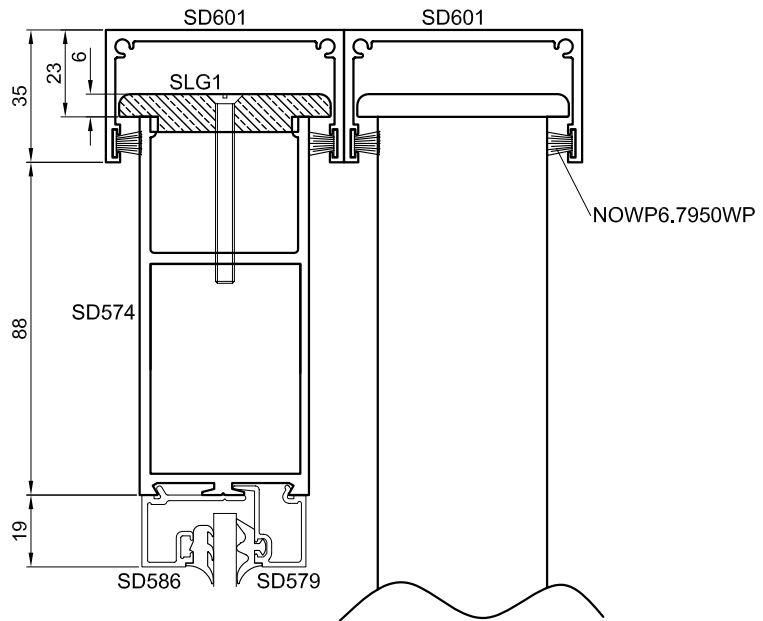
08.06

# SFG and SD Series

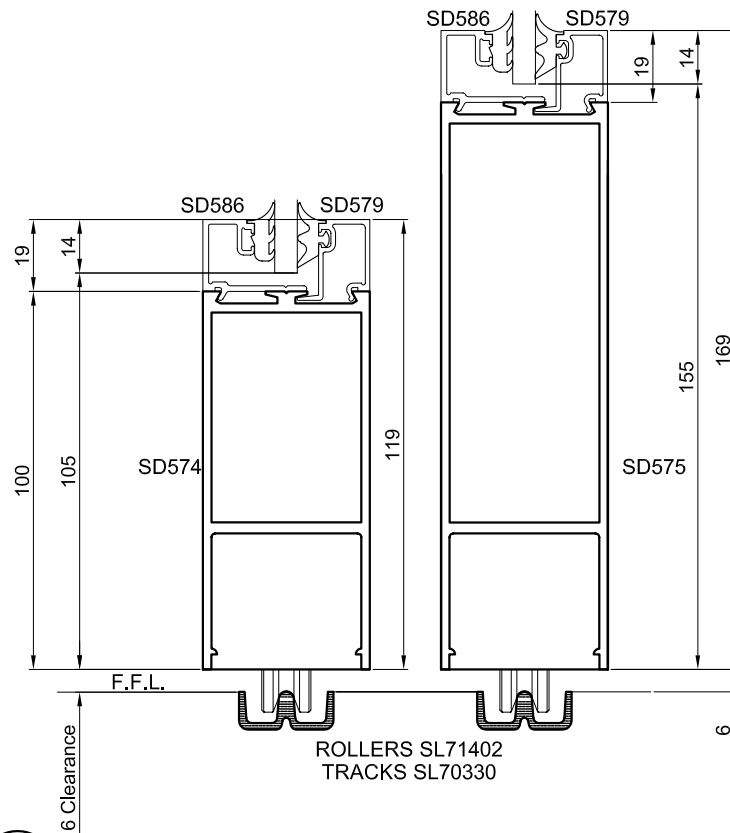
## General Arrangements - Top & Bottom Rail - Options Typical Details for Doors up to 180 Kg



Front Elevation of Sliding Doors



**I** Typical Head Details for Doors up to 180 Kg



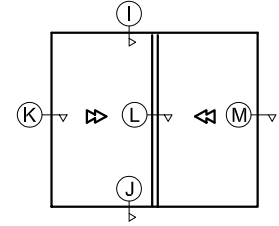
**J** Bottom Roller Details for Doors up to 180 Kg

# SFG and SD Series

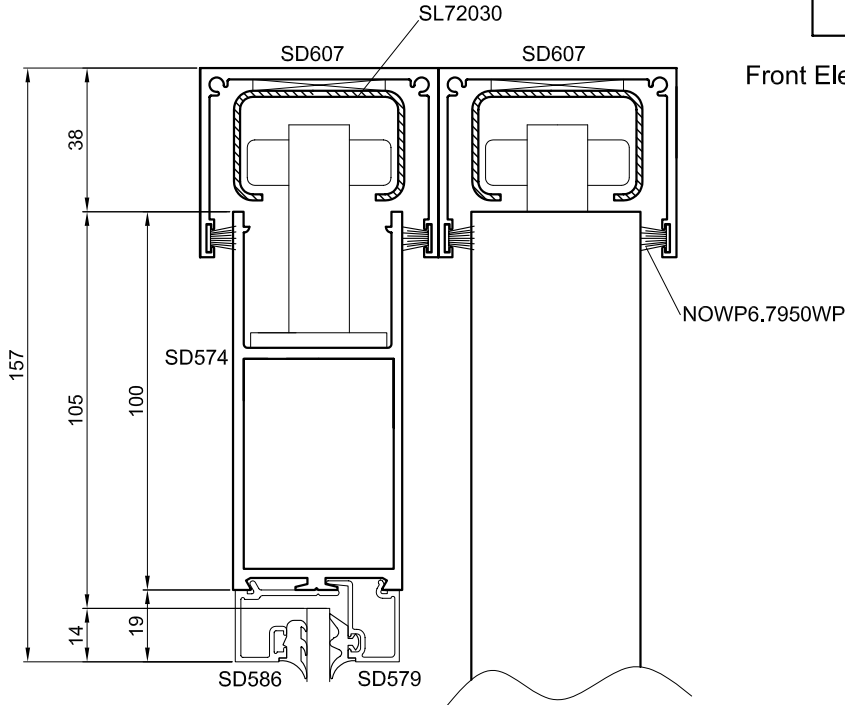
1.A.502

General Arrangements - Top & Bottom Rail - Options  
 Typical Details for Doors over 180 Kg

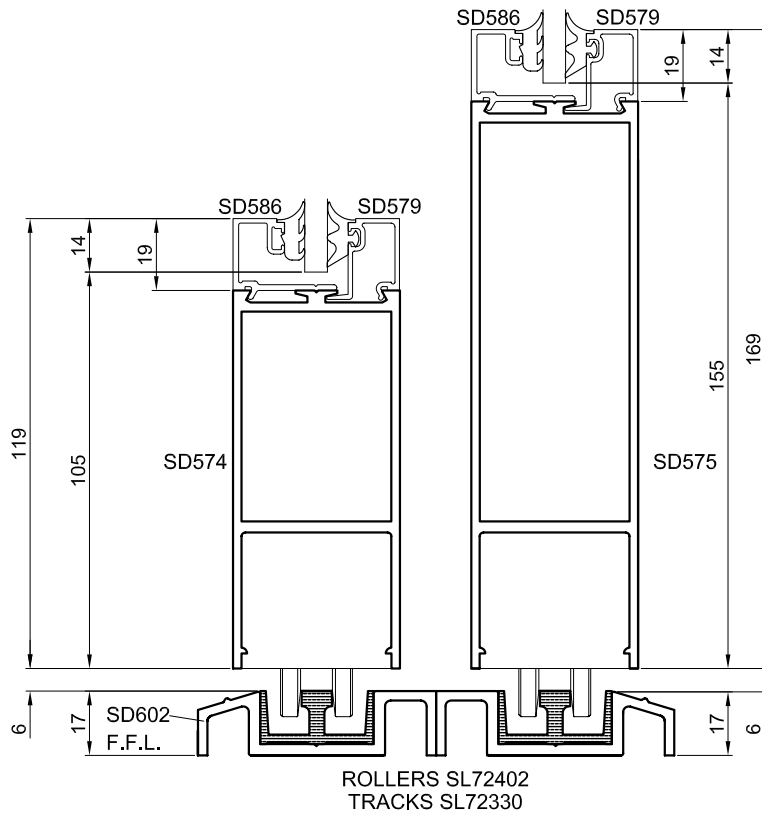
08.06



Front Elevation of Sliding Doors



**I** Typical Head Details for Doors over 180 Kg



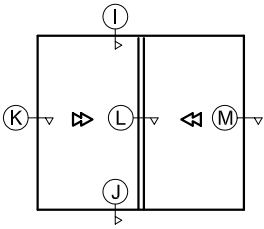
**J** Bottom Roller Details for Doors Over 180 Kg (Maximum 400 KG)  
 With Aluminium Cill

# 1.A.503

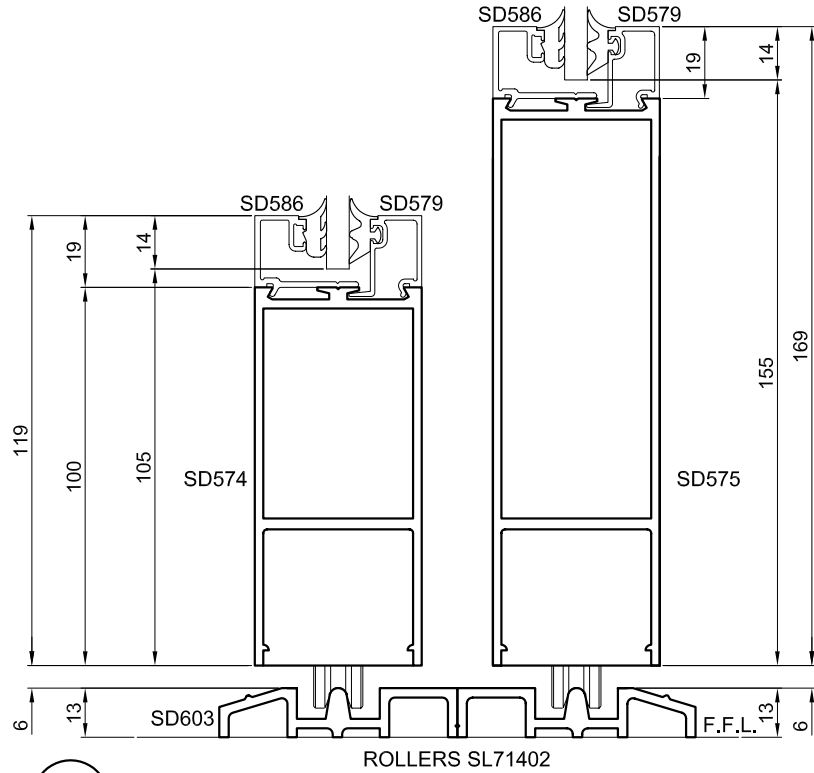
08.06

# SFG and SD Series

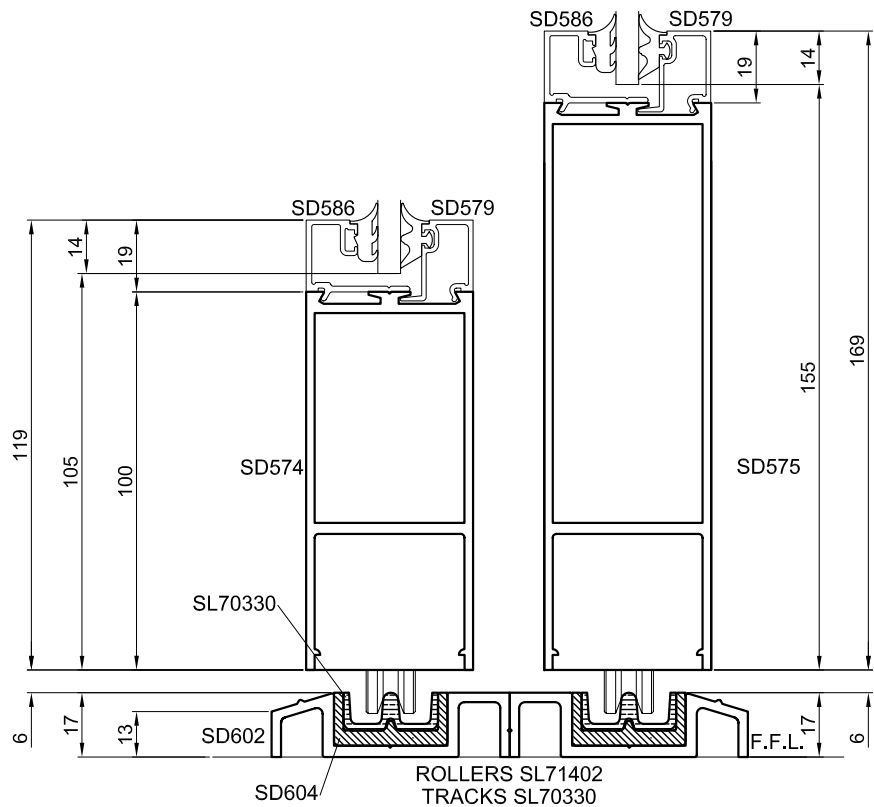
## General Arrangements - Top & Bottom Rail - Options Bottom Roller Details for Doors up to 180 Kg



Front Elevation of Sliding Doors



**J<sub>1</sub>** Bottom Roller Details for Doors up to 180 Kg



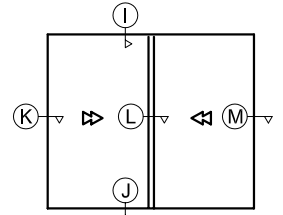
**J<sub>2</sub>** Bottom Roller Details for Doors up to 180 Kg

# SFG and SD Series

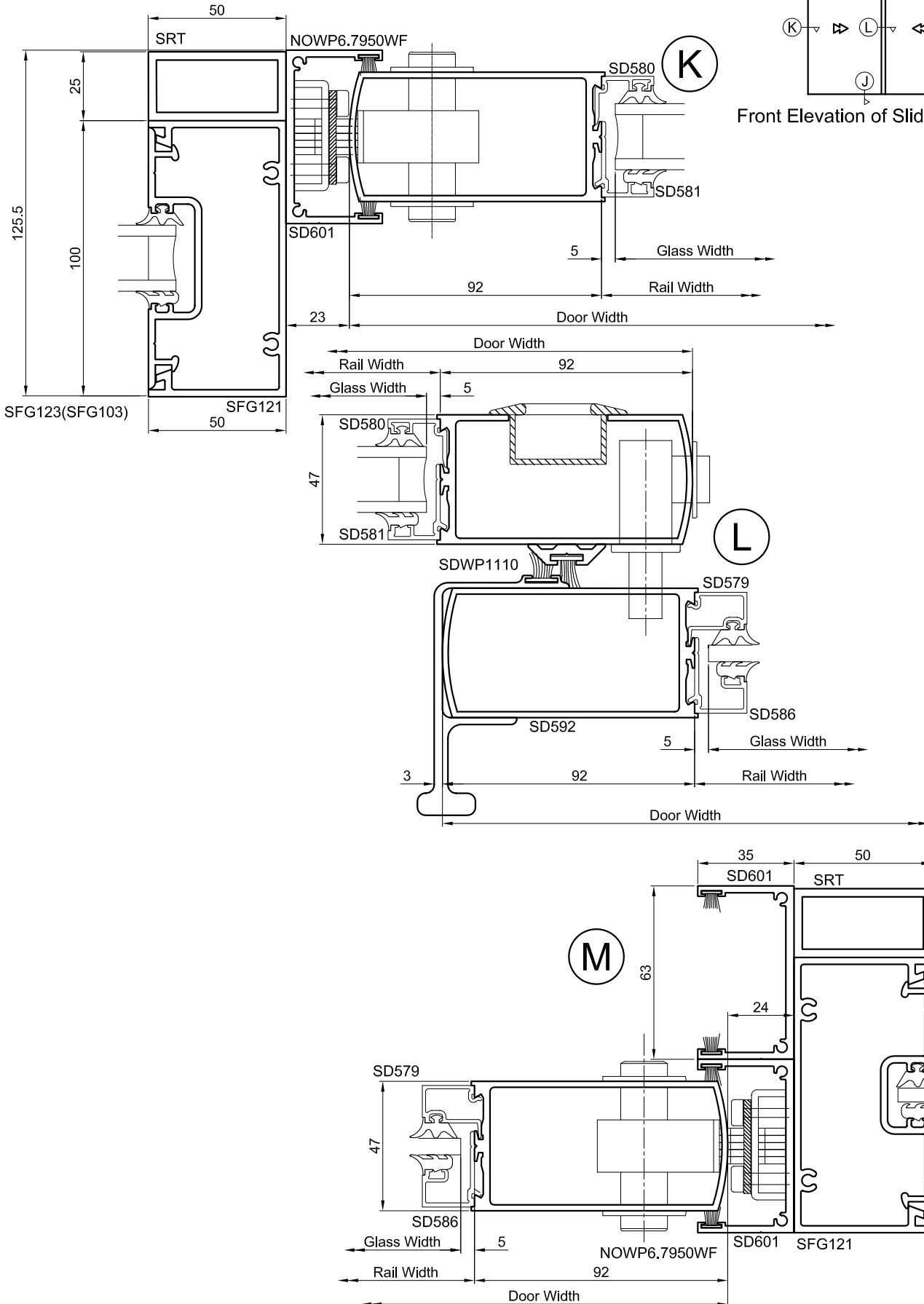
1.A.504

General Arrangements - Top & Bottom Rail - Options  
 Typical Details for Sliding Doors

08.06



Front Elevation of Sliding Doors

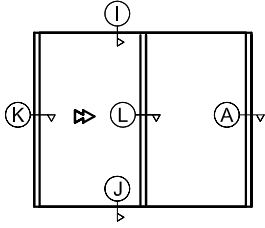


# 1.A.505

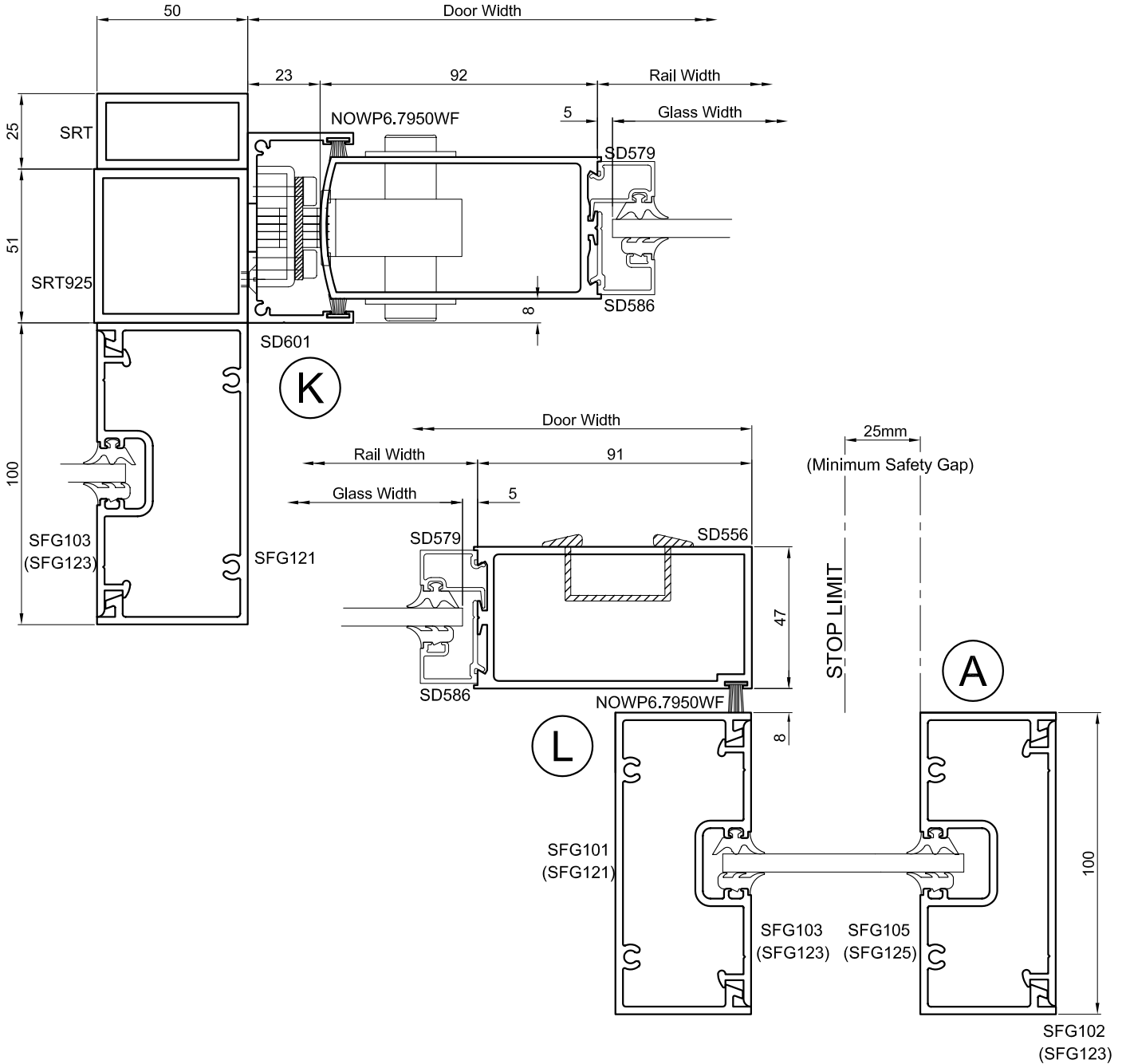
08.08

# SFG and SD Series

## General Arrangements - Top & Bottom Rail - Options Typical Details for Sliding Doors



Front Elevation of Sliding Doors

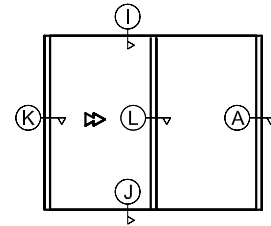


# SFG and SD Series

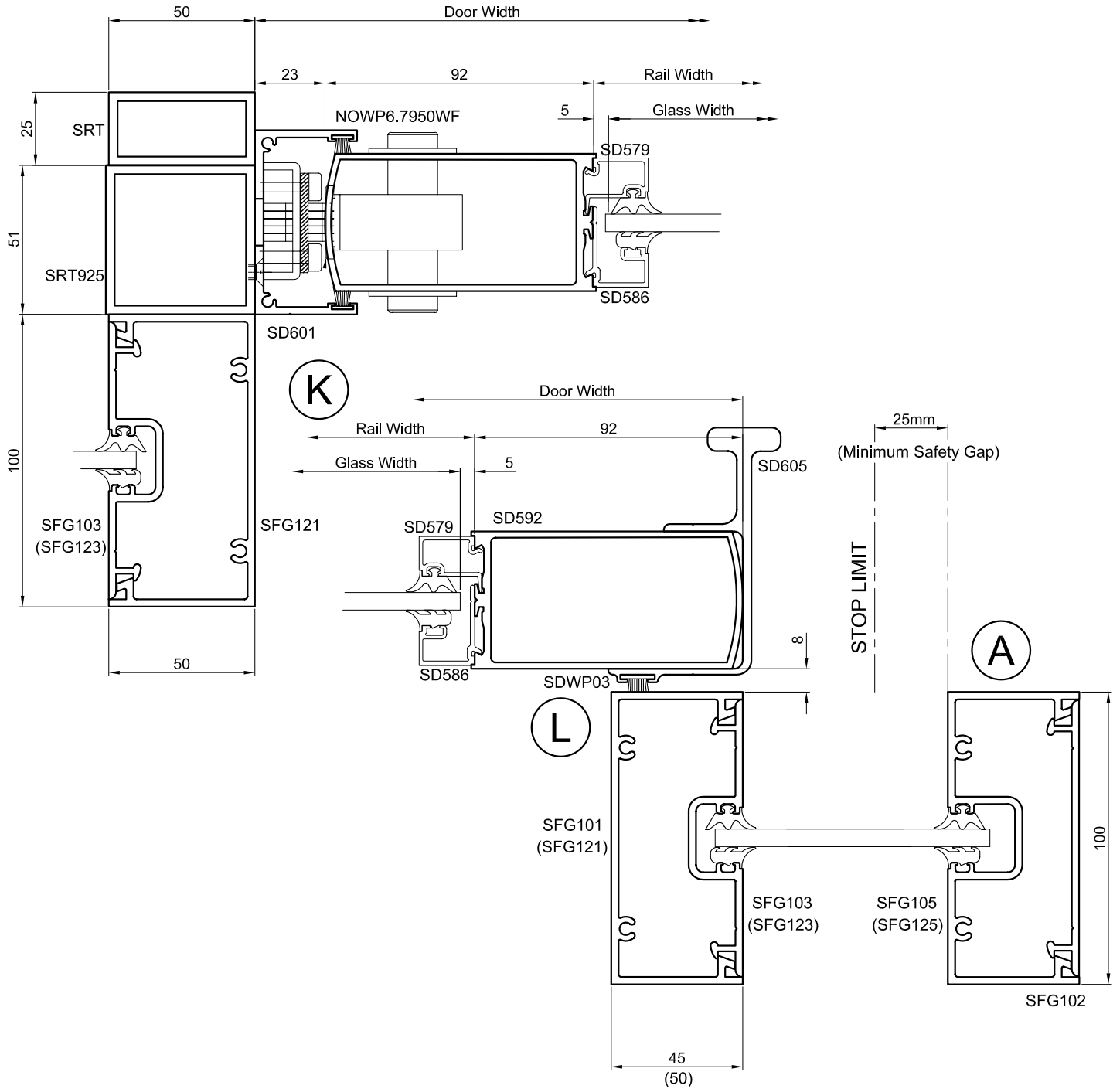
1.A.506

General Arrangements - Top & Bottom Rail - Options  
 Typical Details for Sliding Doors

08.06



Front Elevation of Sliding Doors



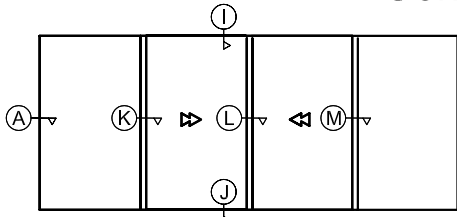
# 1.A.507

08.08

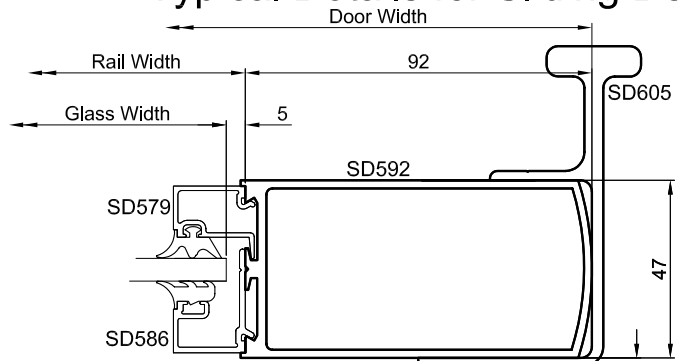
# SFG and SD Series

## General Arrangements - Top & Bottom Rail - Options

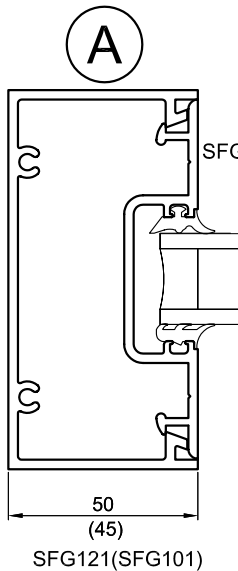
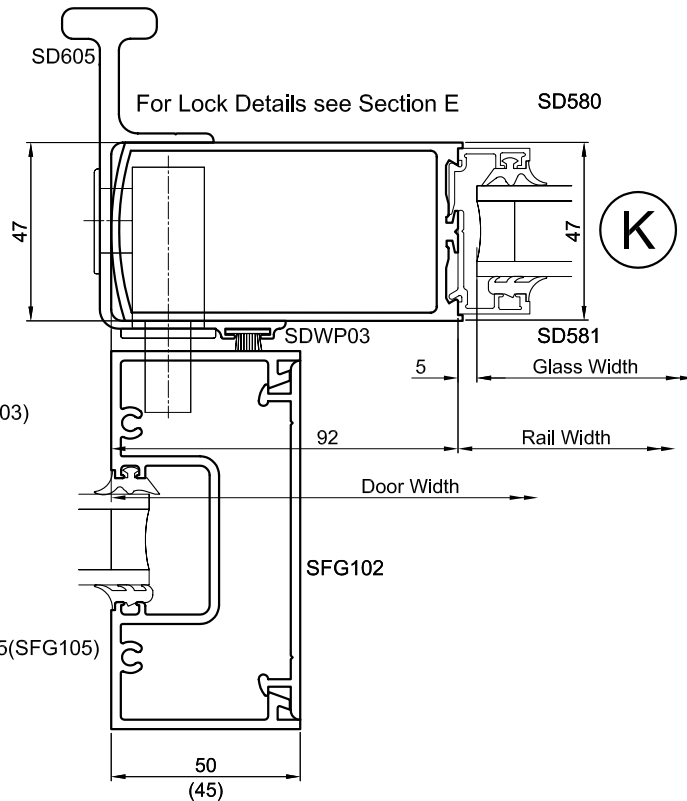
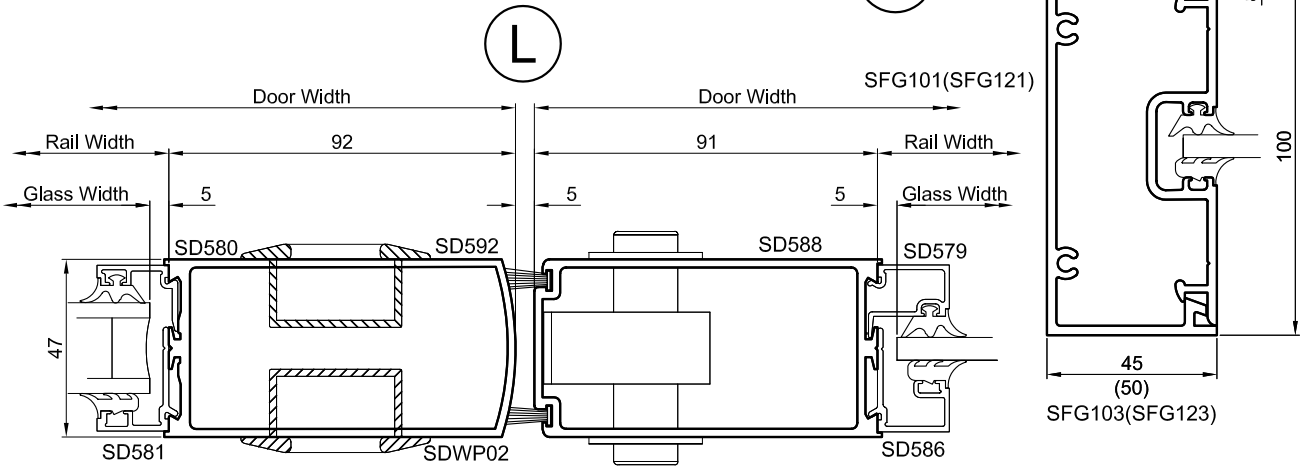
### Typical Details for Sliding Doors



Front Elevation of Sliding Doors



(M)



SFG125(SFG105)

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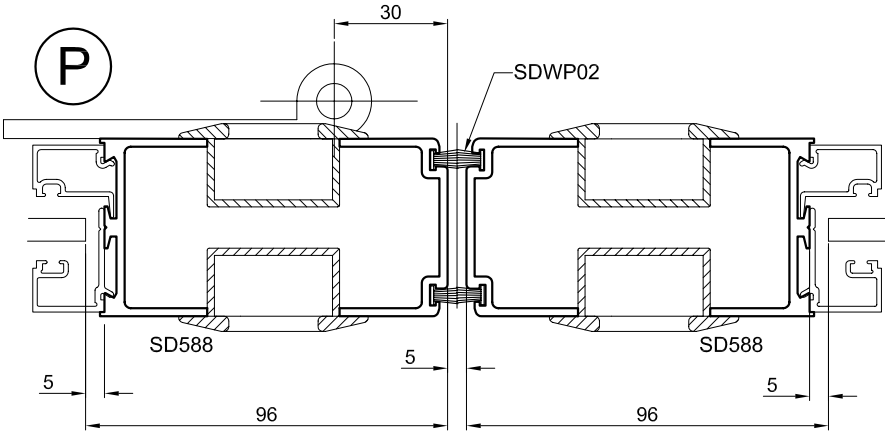
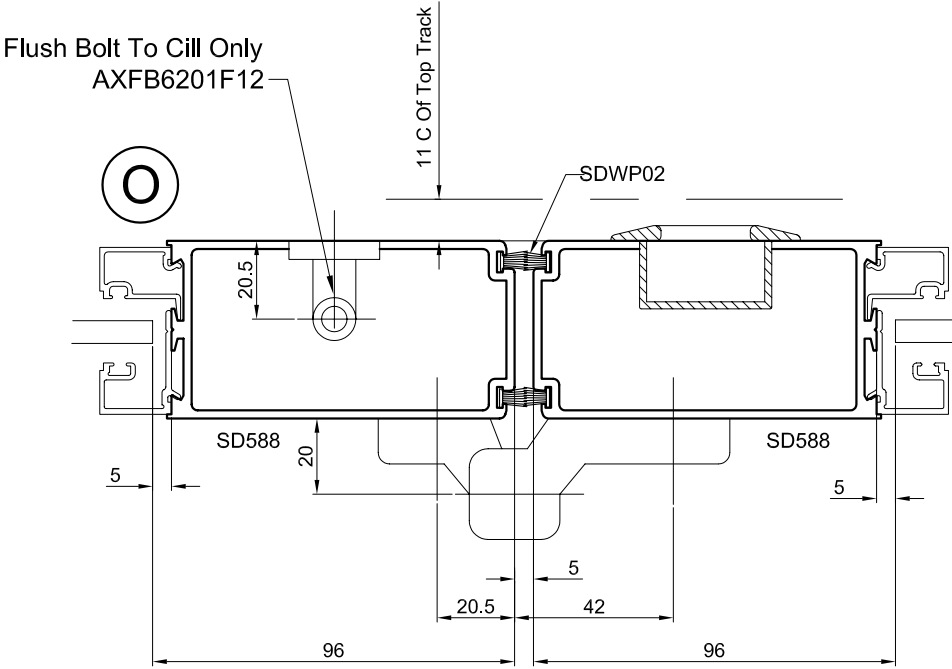


# SFG and SD Series

1.A.602

## General Arrangements - Sliding Folding Doors

08.06

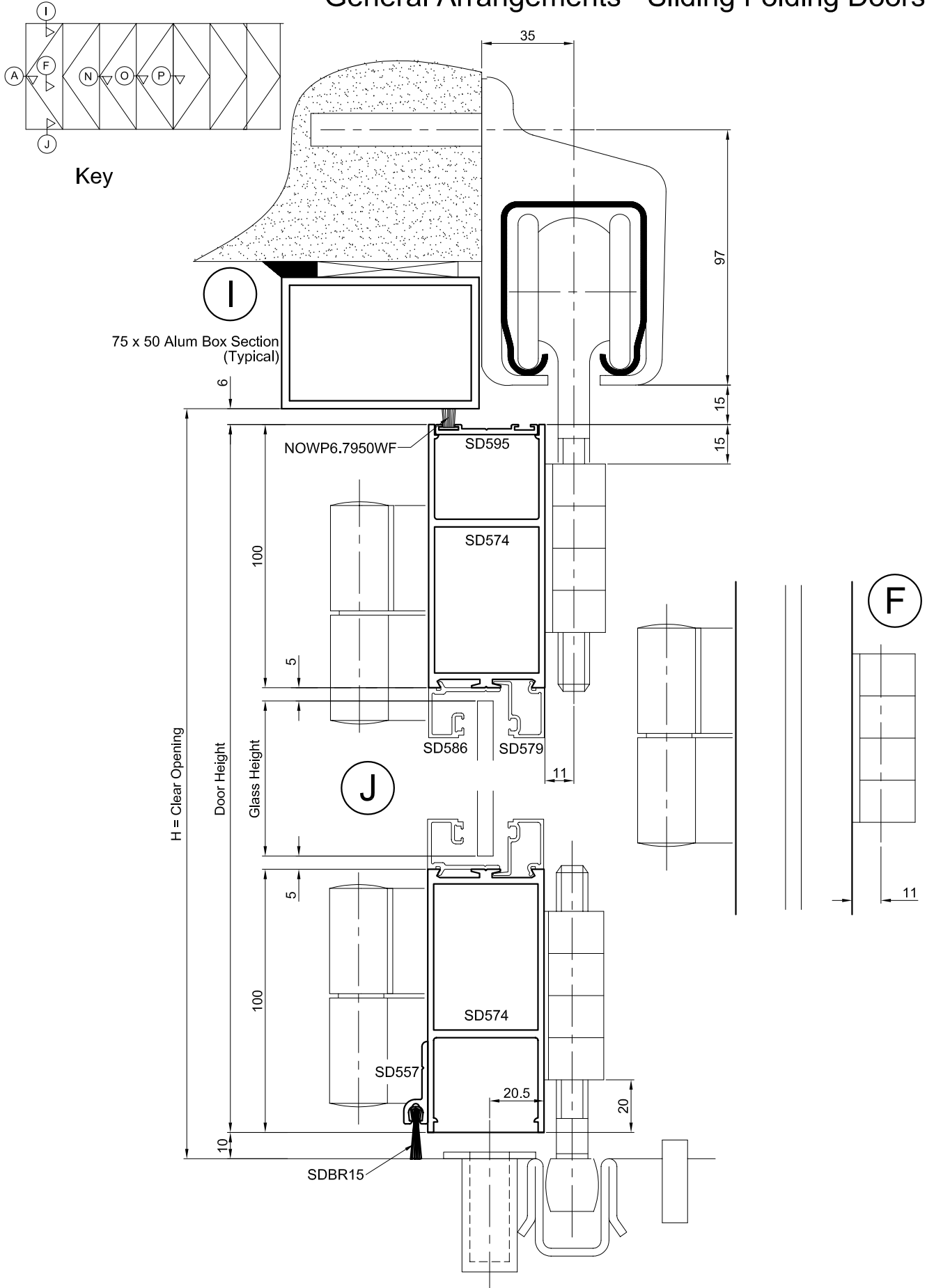


1.A.603

# SFG and SD Series

08.06

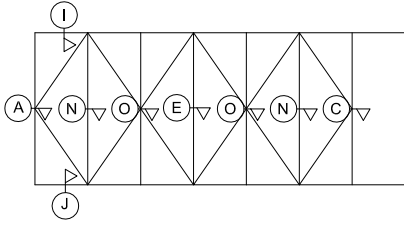
## General Arrangements - Sliding Folding Doors





# 1.A.701

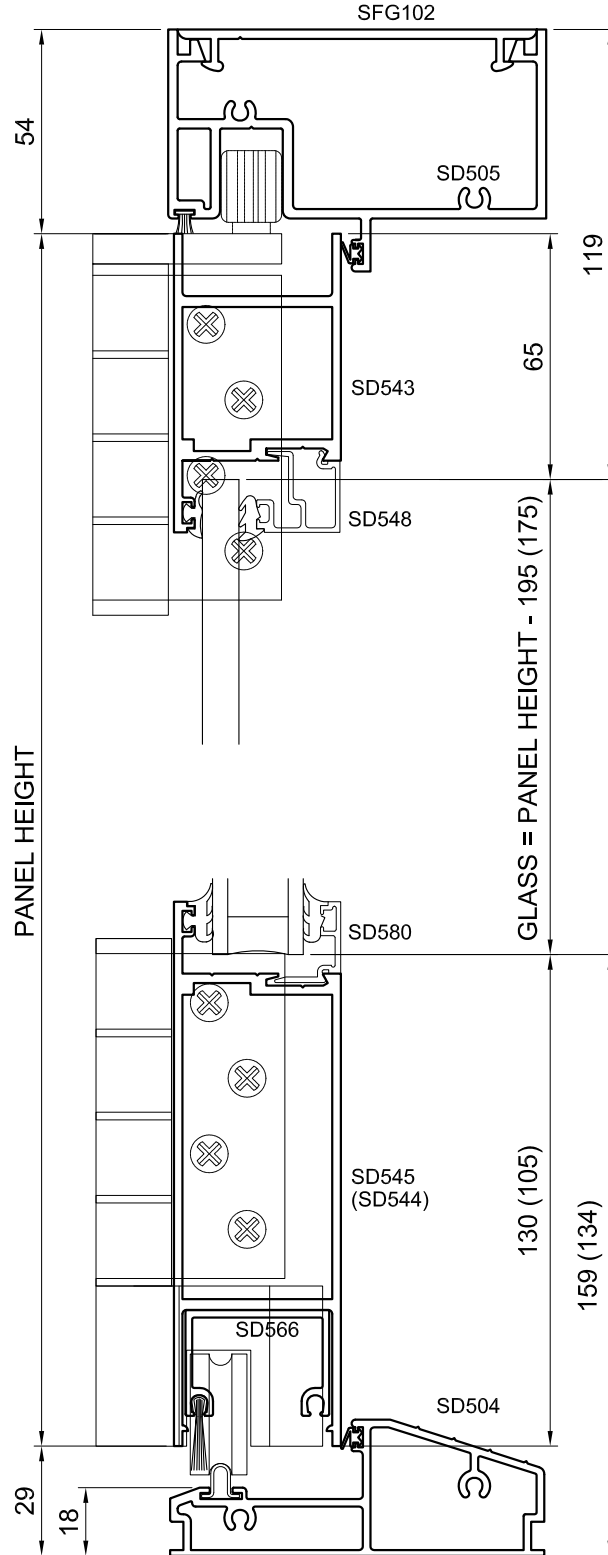
06.09



Key  
For Further Combinations -  
see 1.D.11

# SFG and SD Series

General Arrangements - Sliding Folding Vistafold  
Single Glazed or Double Glazed

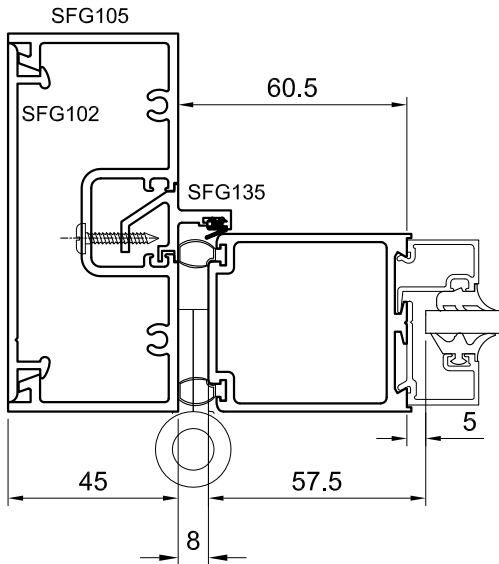


# SFG and SD Series

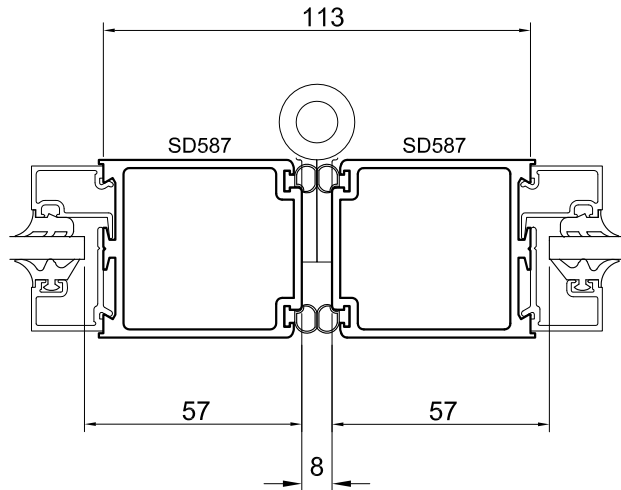
1.A.702

General Arrangements - Sliding Folding Vistafold  
Single Glazed or Double Glazed

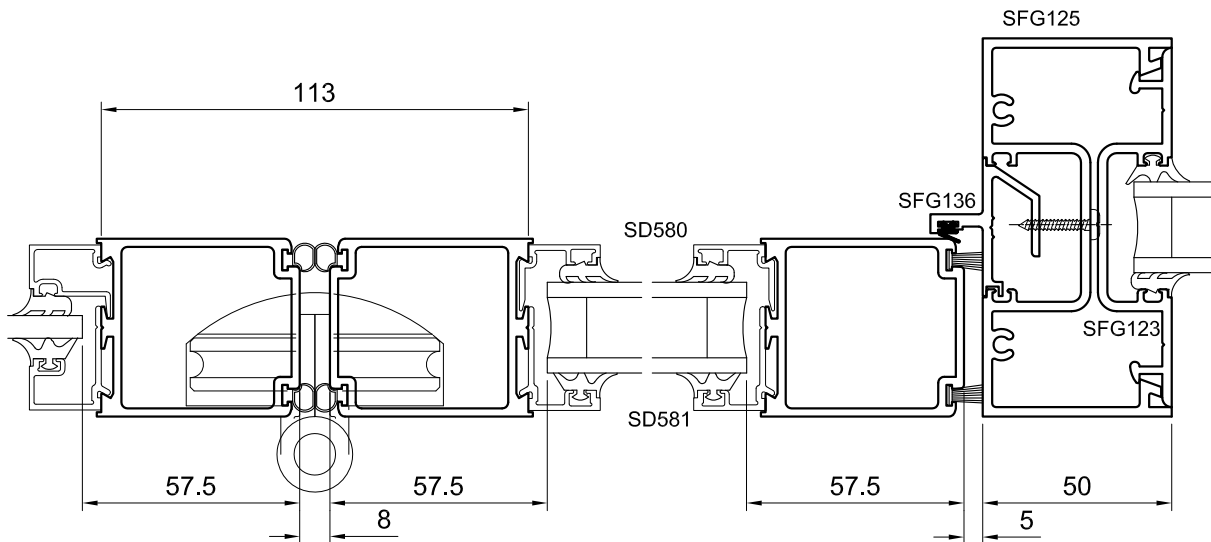
06.09



**A<sub>1</sub>** Jamb Detail



**N** Intermediate Hinge



**O** Roller / Pivot

**C** Mullion Detail

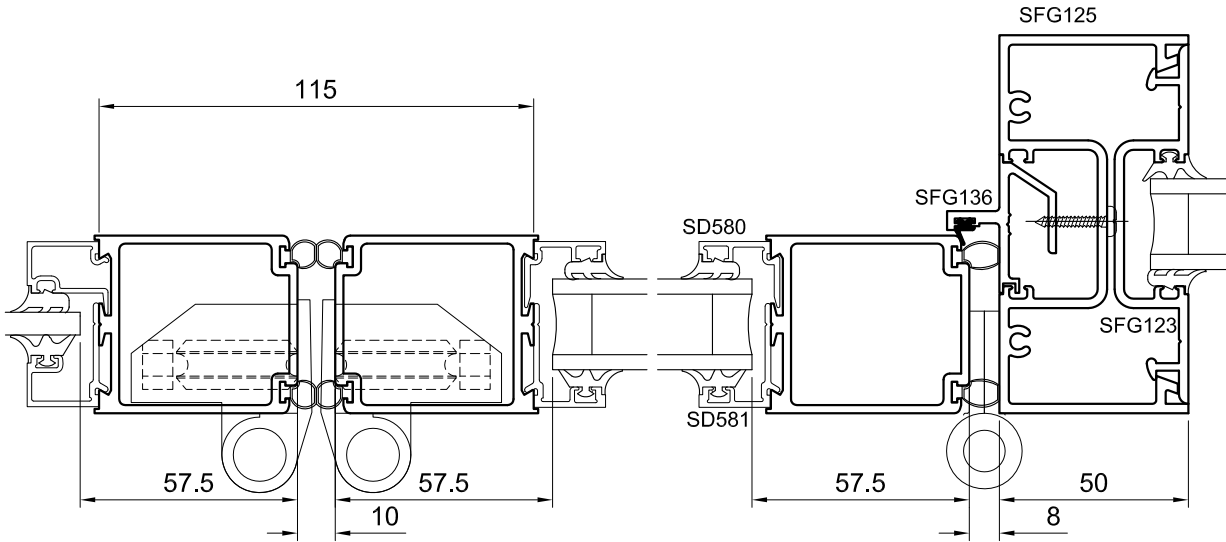


# SFG and SD Series

1.A.704

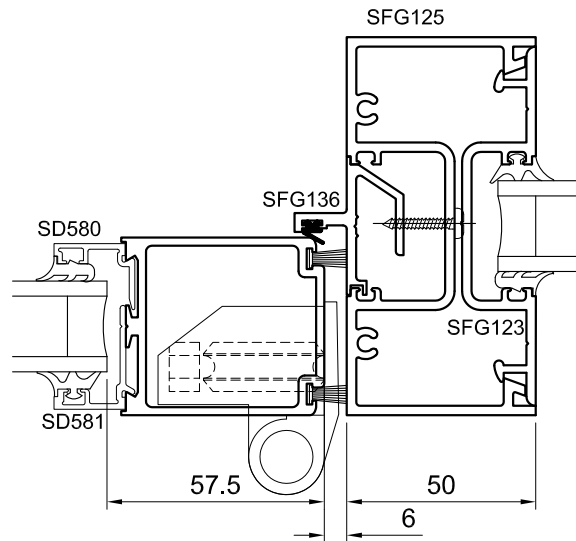
General Arrangements - Sliding Folding Vistafold/Vista Duo+  
Single Glazed or Double Glazed

05.11



**L** Meeting Stiles

**C<sub>2</sub>** Mullion Detail



**C<sub>3</sub>** Mullion Detail

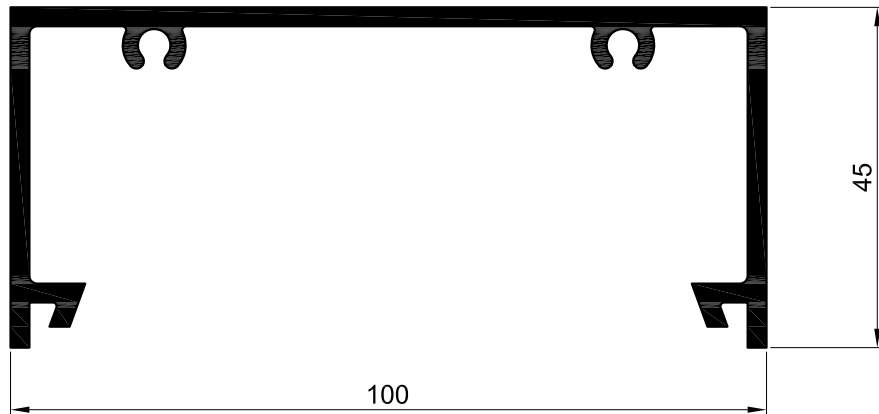
# 1.B.101

02.12

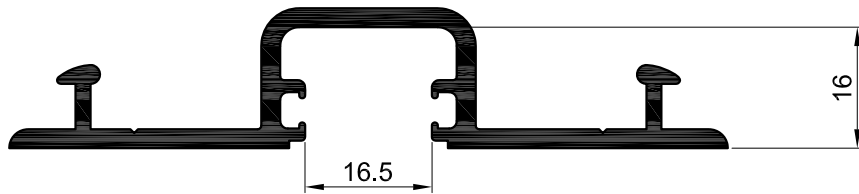
# SFG and SD Series

## Section Identification - Framing - Single Glazed

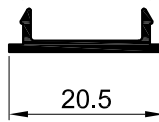
**SFG101**  
 PLAIN CHANNEL  
 SINGLE GLAZED  
 PERIMETER 455mm  
 $I_{xx} \rightarrow 85.2884\text{cm}^4$   
 $I_{yy} \uparrow 12.6098\text{cm}^4$



**SFG103**  
 POCKET PLATE  
 SINGLE GLAZED  
 PERIMETER 324mm  
 $I_{xx} \rightarrow 25.2791\text{cm}^4$   
 $I_{yy} \uparrow 1.4342\text{cm}^4$



**SFG110**  
 POCKET FILLER  
 SINGLE GLAZED  
 PERIMETER 62mm



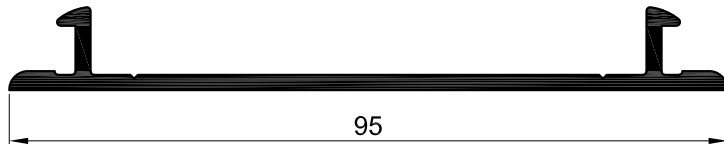
**SRA021**  
 PVC BACK PLATE  
 PERIMETER 236mm



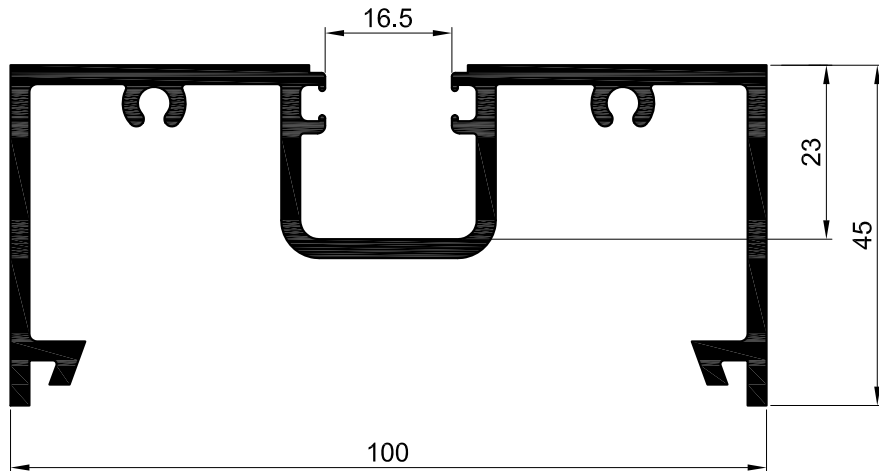
**SFG102**  
 PLAIN PLATE  
 PERIMETER 238mm  
 $I_{xx} \rightarrow 23.8024\text{cm}^4$   
 $I_{yy} \uparrow 0.1848\text{cm}^4$



**SFG117**  
 LIGHT PLAIN PLATE  
 PERIMETER 236mm  
 $I_{xx} \rightarrow 22.3201\text{cm}^4$   
 $I_{yy} \uparrow 0.1758\text{cm}^4$



**SFG105**  
 POCKET CHANNEL  
 SINGLE GLAZED  
 PERIMETER 569mm  
 $I_{xx} \rightarrow 87.3516\text{cm}^4$   
 $I_{yy} \uparrow 12.9086\text{cm}^4$

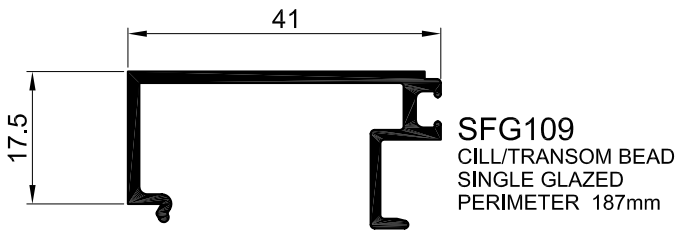


# SFG and SD Series

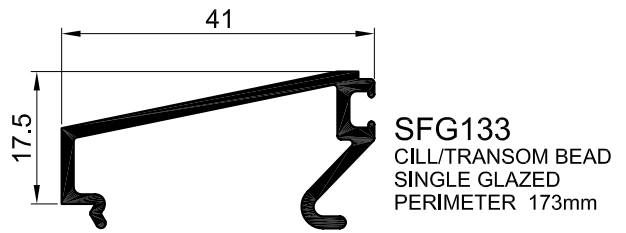
1.B.102

## Section Identification - Framing - Single Glazed and Header Bar

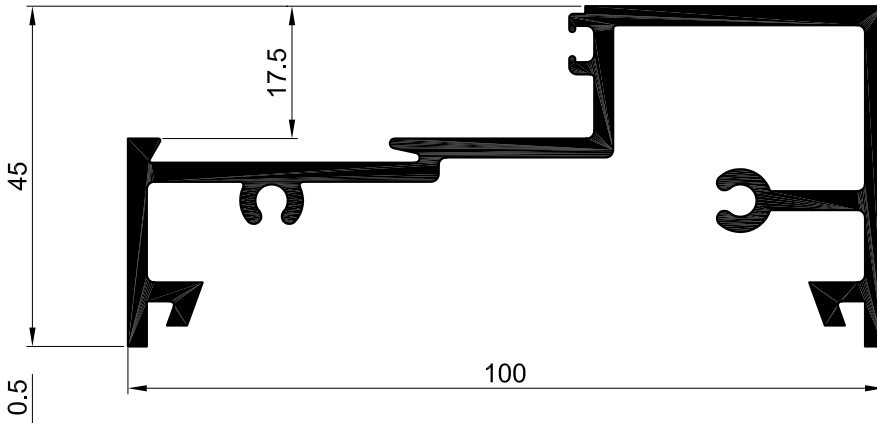
08.06



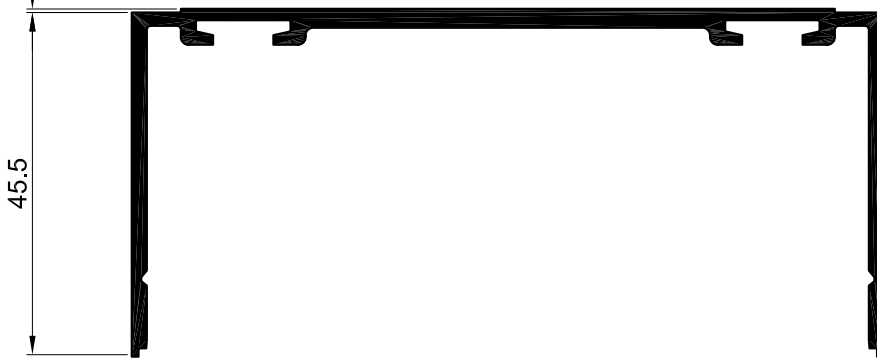
**SFG109**  
CILL/TRANSOM BEAD  
SINGLE GLAZED  
PERIMETER 187mm



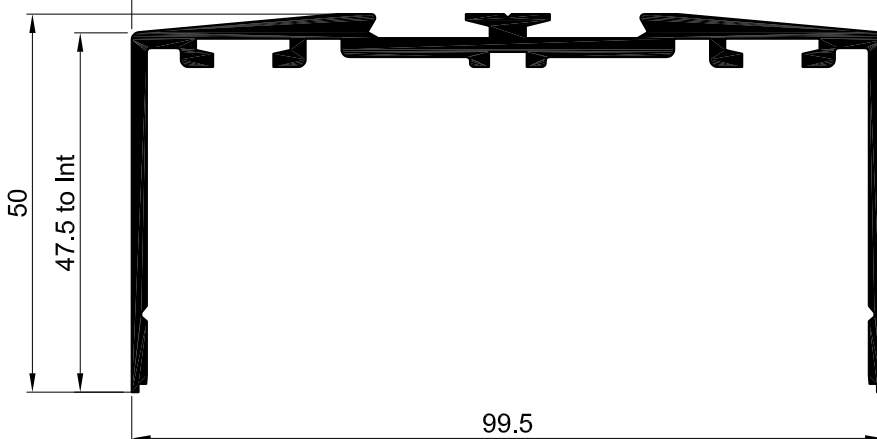
**SFG133**  
CILL/TRANSOM BEAD  
SINGLE GLAZED  
PERIMETER 173mm



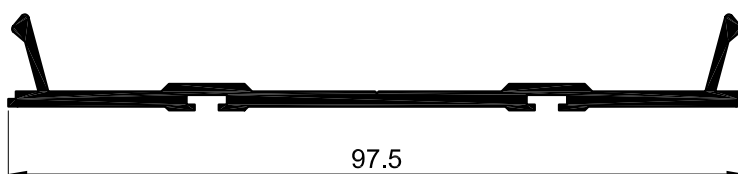
**SFG108**  
CILL/TRANSOM  
SINGLE GLAZED  
PERIMETER 481mm  
Ixx → 77.6835cm<sup>4</sup>  
Iyy ↑ 7.9118cm<sup>4</sup>



**SFG114**  
HEADER BAR  
PERIMETER 412mm  
Ixx → 63.4455cm<sup>4</sup>  
Iyy ↑ 9.2660cm<sup>4</sup>



**SFG111**  
HEADER BAR  
WITH BEAD DOVETAILS  
PERIMETER 461mm  
Ixx → 73.0020cm<sup>4</sup>  
Iyy ↑ 14.2201cm<sup>4</sup>



**SFG112**  
HEADER BAR PLATE  
PERIMETER 261mm  
Ixx → 17.9667cm<sup>4</sup>  
Iyy ↑ 0.1680cm<sup>4</sup>

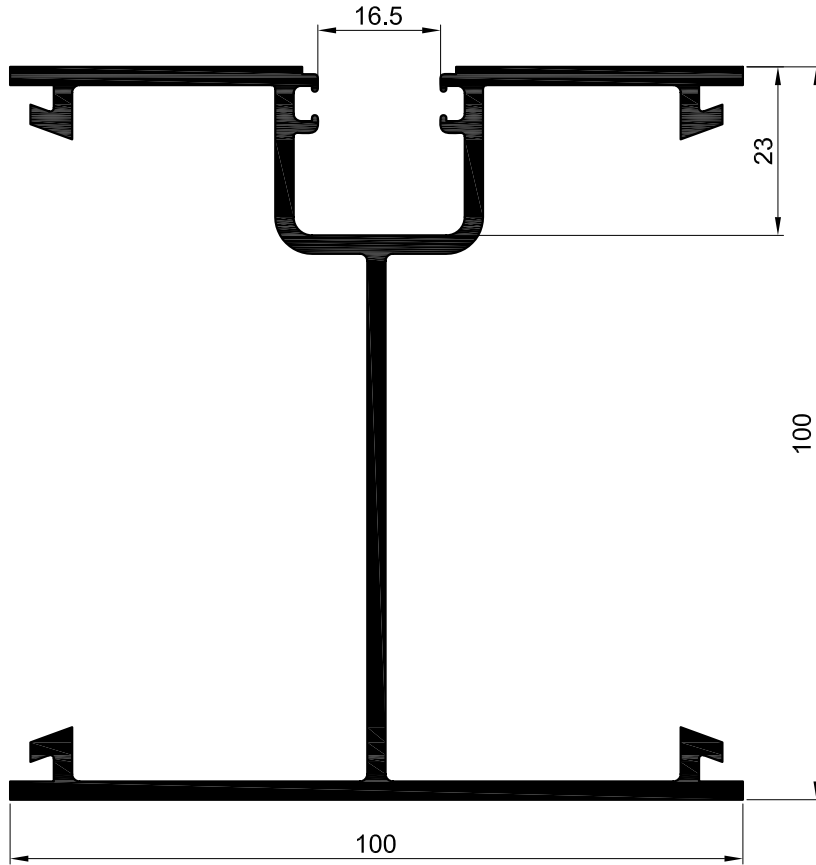
# 1.B.103

09.09

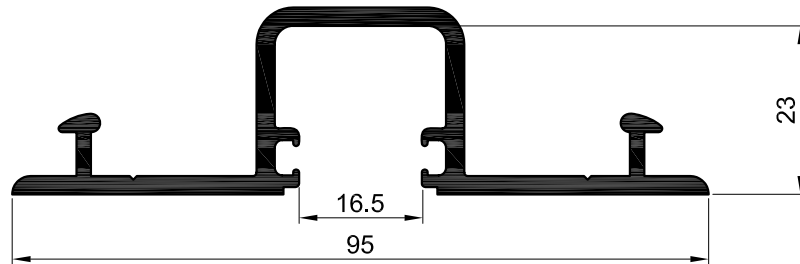
# SFG and SD Series

## Section Identification - Single Glazed

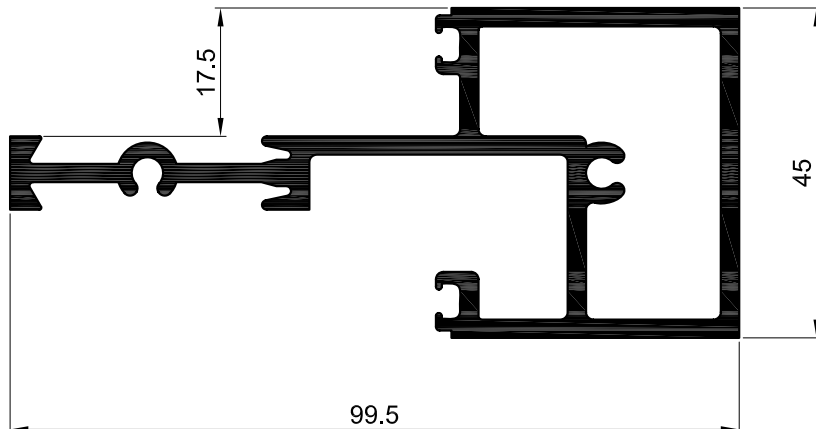
**SFG106**  
CORNER POST  
SINGLE GLAZED  
PERIMETER 745mm  
Ixx  $\uparrow$  157.3921cm<sup>4</sup>  
Iyy  $\rightarrow$  61.9538cm<sup>4</sup>



**SFG104**  
POCKET PLATE  
SINGLE GLAZED  
USE WITH SFG101,106,116 ONLY  
PERIMETER 352mm  
Ixx  $\rightarrow$  25.8656cm<sup>4</sup>  
Iyy  $\uparrow$  3.1284cm<sup>4</sup>



**SFG107**  
BEADED TRANSOM  
SINGLE GLAZED  
PERIMETER 416mm  
INTERNAL PERIMETER 162mm  
Ixx  $\rightarrow$  57.7176cm<sup>4</sup>  
Iyy  $\uparrow$  12.9060cm<sup>4</sup>

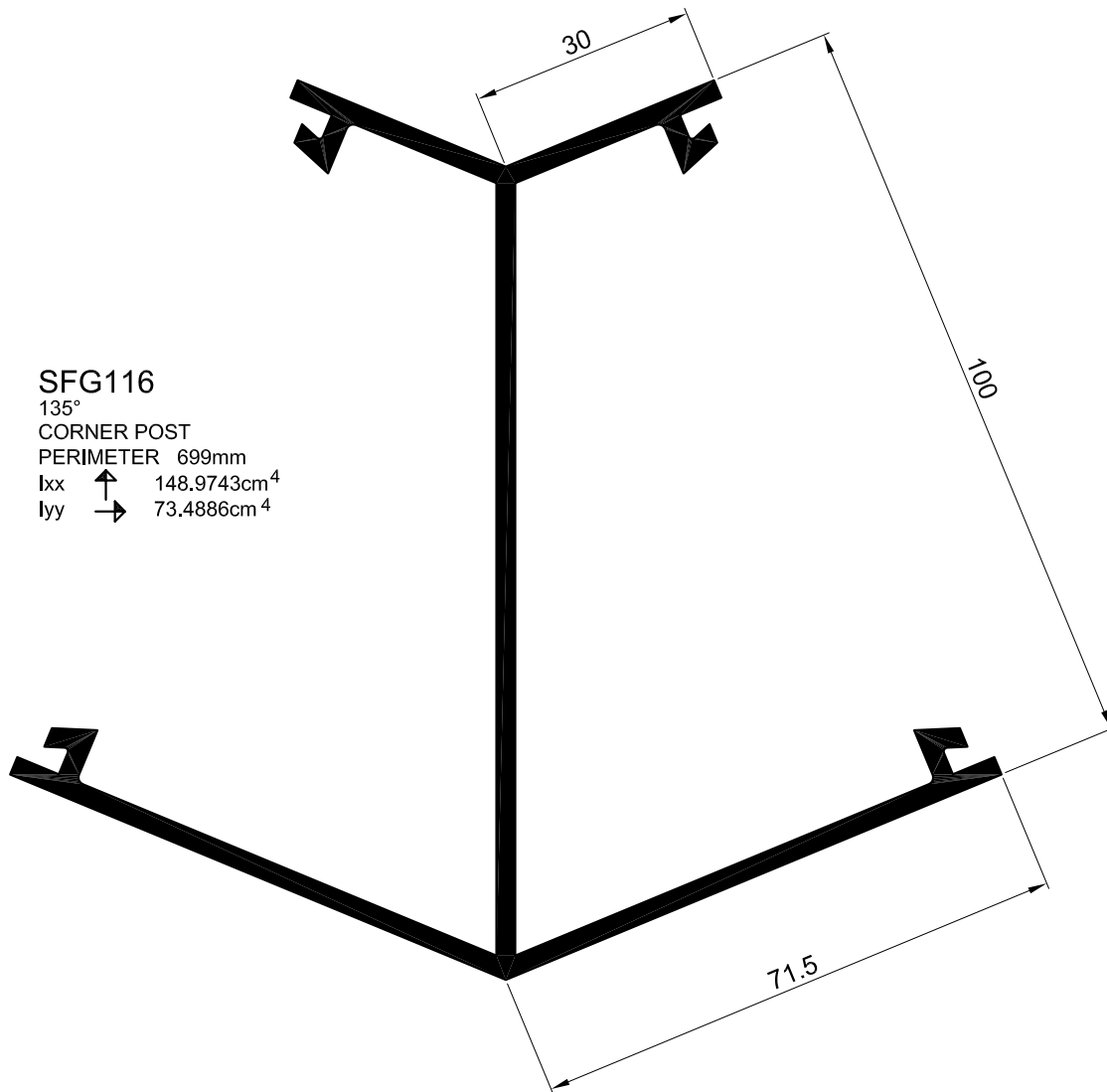


# SFG and SD Series

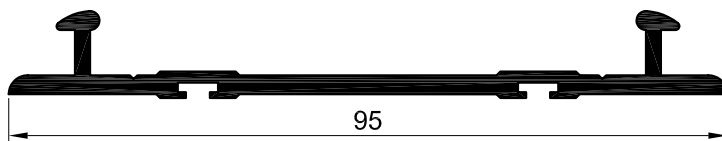
1.B.104

## Section Identification - Single Glazed Variable Corners

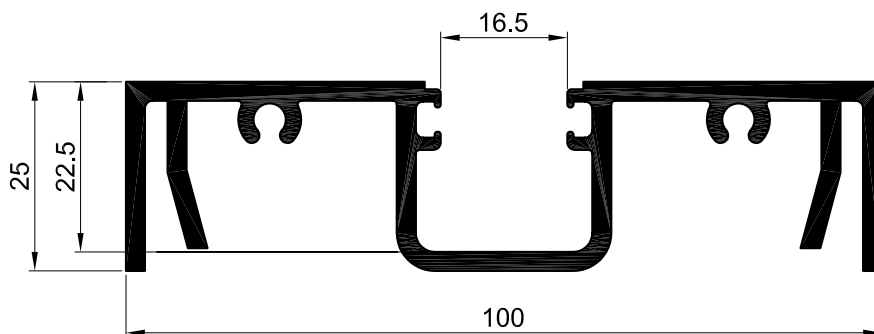
08.06



**SFG116**  
135°  
CORNER POST  
PERIMETER 699mm  
Ixx  $\uparrow$  148.9743cm<sup>4</sup>  
Iyy  $\rightarrow$  73.4886cm<sup>4</sup>



**SFG119**  
WEATHER SEAL PLATE  
PERIMETER 257mm  
Ixx  $\rightarrow$  23.6085cm<sup>4</sup>  
Iyy  $\uparrow$  0.1872cm<sup>4</sup>



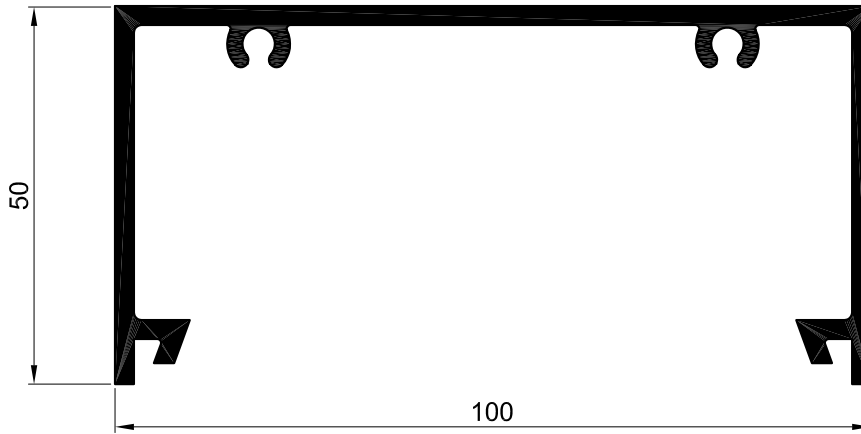
**SFG120**  
ADJUSTABLE CORNER POCKET  
SINGLE GLAZED  
PERIMETER 523mm  
Ixx  $\rightarrow$  72.6195cm<sup>4</sup>  
Iyy  $\uparrow$  4.2663cm<sup>4</sup>

1.B.105

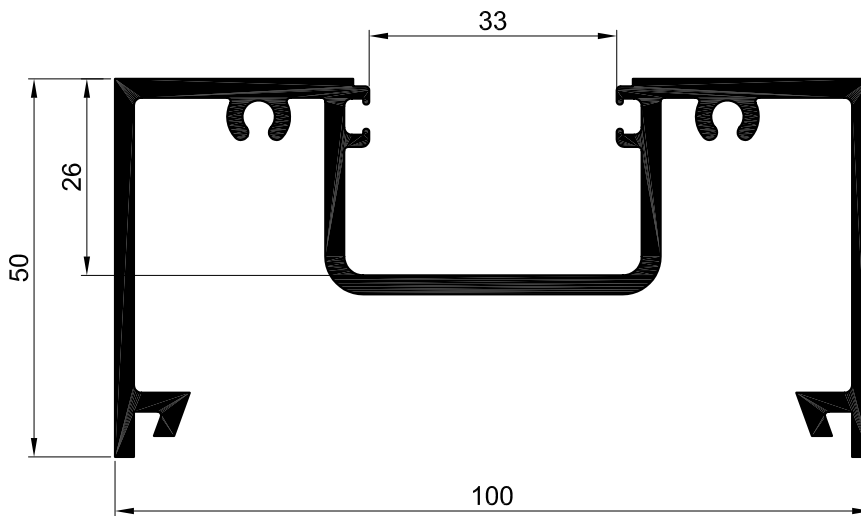
08.06

# SFG and SD Series

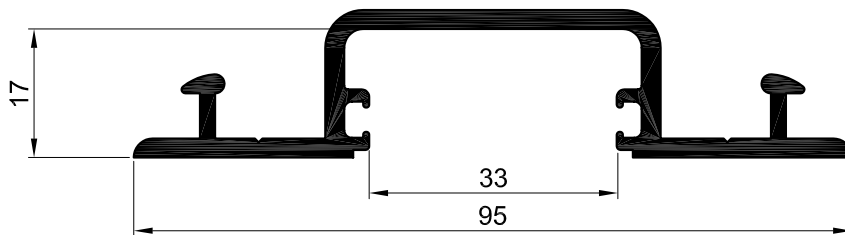
## Section Identification - Framing - Double Glazed



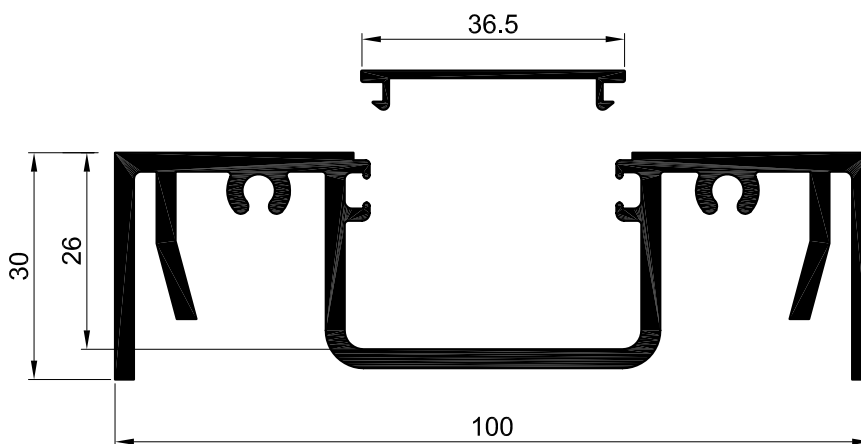
**SFG121**  
PLAIN CHANNEL  
DOUBLE GLAZED  
PERIMETER 475mm  
Ixx → 91.2311cm<sup>4</sup>  
Iyy ↑ 16.6667cm<sup>4</sup>



**SFG125**  
POCKET CHANNEL  
DOUBLE GLAZED  
PERIMETER 601mm  
Ixx → 97.4571cm<sup>4</sup>  
Iyy ↑ 16.4373cm<sup>4</sup>



**SFG123**  
POCKET PLATE  
DOUBLE GLAZED  
PERIMETER 328mm  
Ixx → 28.0557cm<sup>4</sup>  
Iyy ↑ 1.9355cm<sup>4</sup>



**SFG122**  
POCKET FILLER  
DOUBLE GLAZED  
PERIMETER 94mm

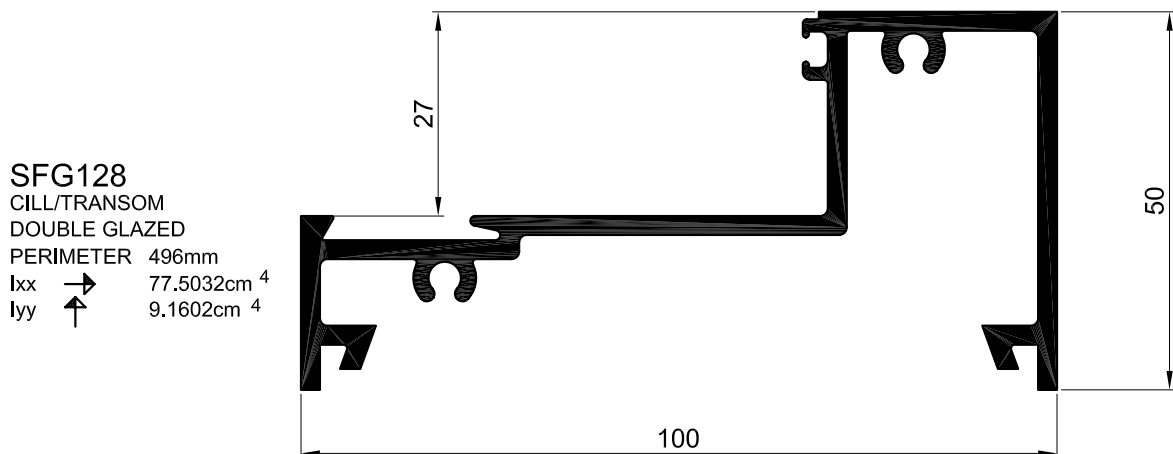
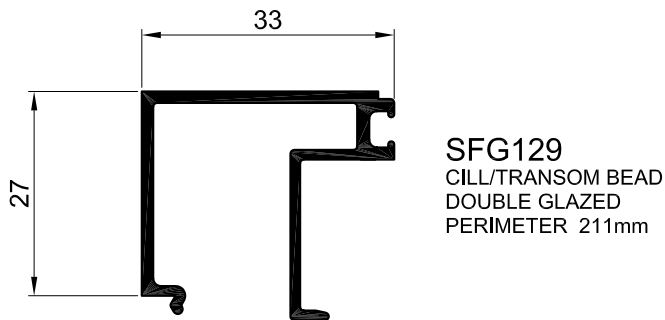
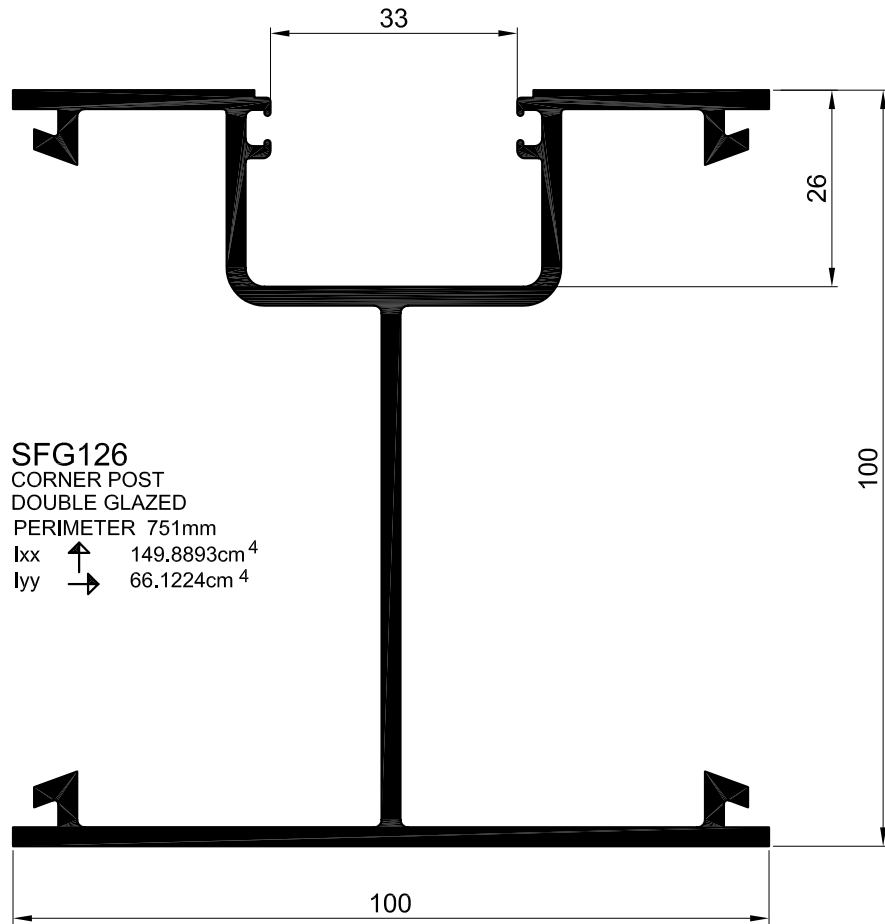
**SFG127**  
ADJUSTABLE CORNER POCKET  
DOUBLE GLAZED  
PERIMETER 557mm  
Ixx → 83.2844cm<sup>4</sup>  
Iyy ↑ 6.5862cm<sup>4</sup>

# SFG and SD Series

1.B.106

## Section Identification - Framing - Double Glazed and Corners

08.06

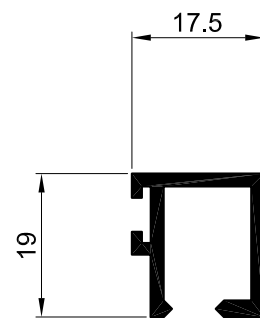
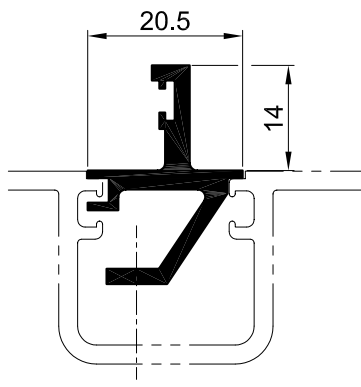
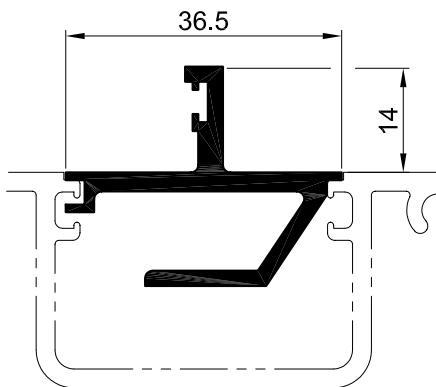
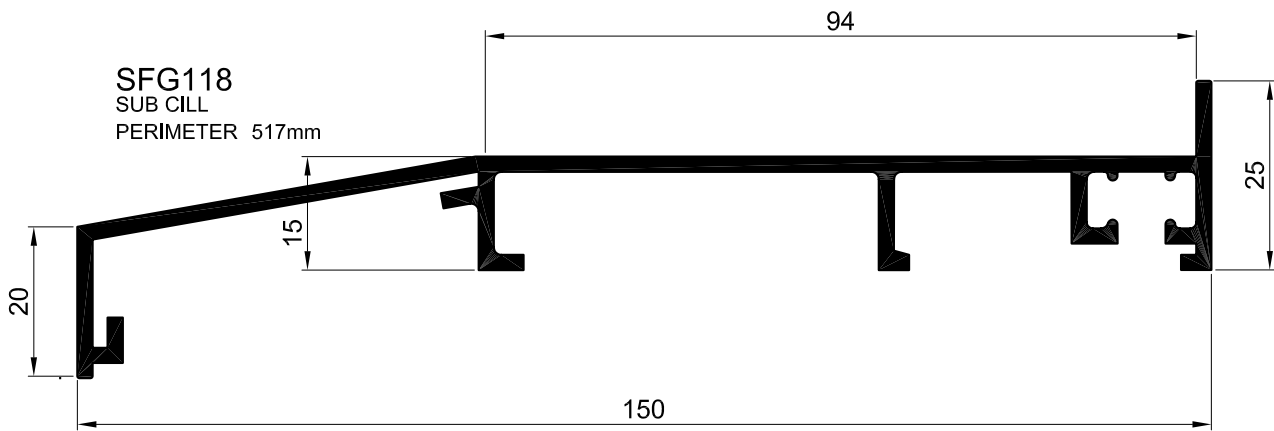
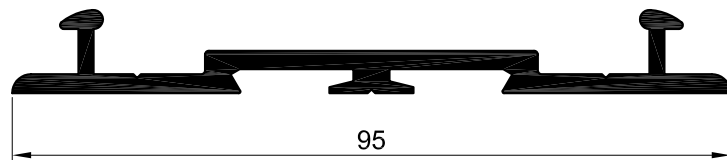
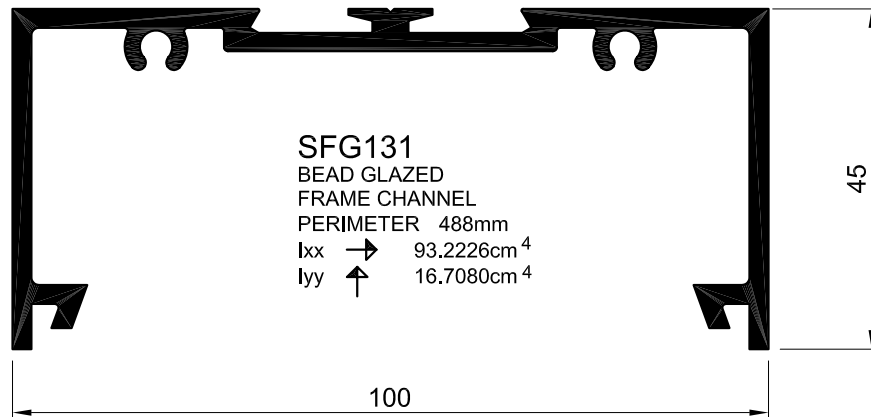


# 1.B.107

08.06

# SFG and SD Series

## Section Identification - Framing - Bead System and Sundries

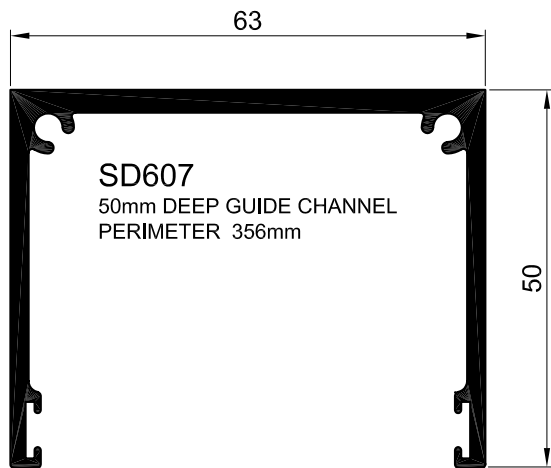


# SFG and SD Series

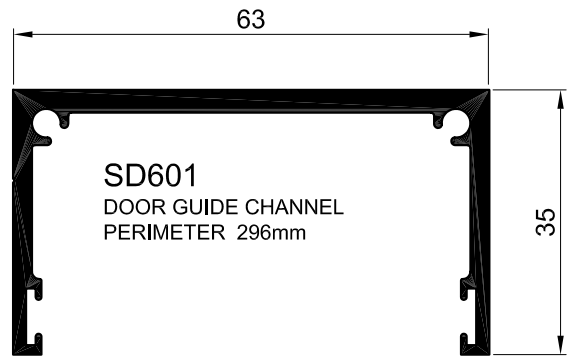
1.B.108

## Section Identification - Framing - Sliding Sections

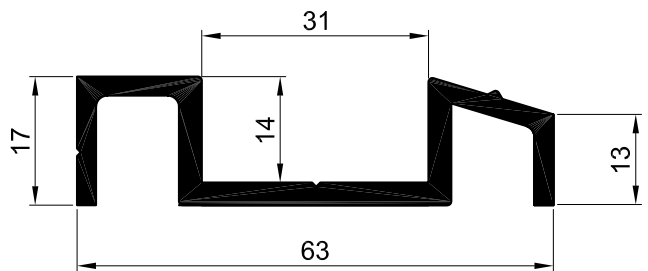
08.06



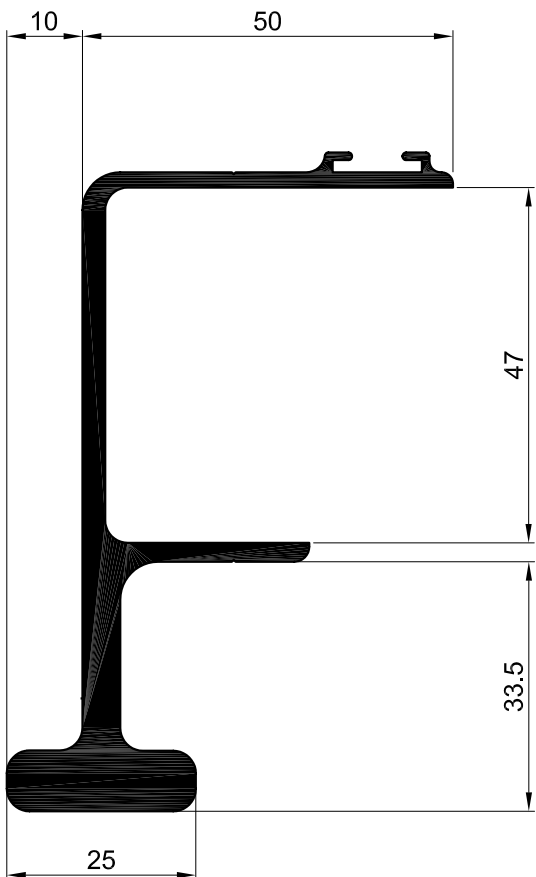
**SD607**  
50mm DEEP GUIDE CHANNEL  
PERIMETER 356mm



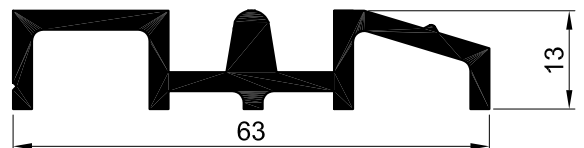
**SD601**  
DOOR GUIDE CHANNEL  
PERIMETER 296mm



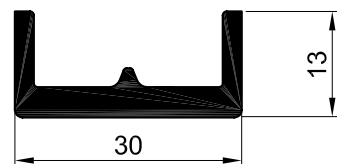
**SD602**  
BOTTOM CARRIER FOR  
SL72-3-30 TRACKS  
PERIMETER 236mm



**SD605**  
VERTICAL HANDLE/REINFORCING  
PERIMETER 372mm  
I<sub>xx</sub> ↑ 57.5171cm<sup>4</sup>  
I<sub>yy</sub> → 9.1041cm<sup>4</sup>

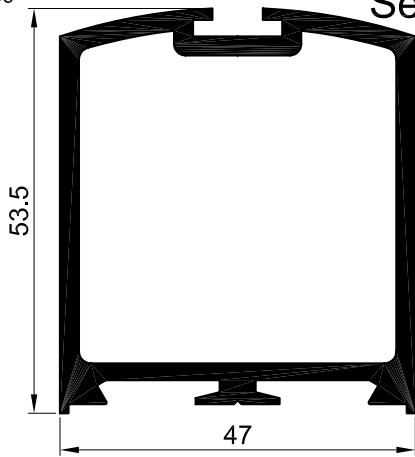


**SD603**  
BOTTOM TRACK FOR  
SL71-402 ROLLERS  
PERIMETER 219mm

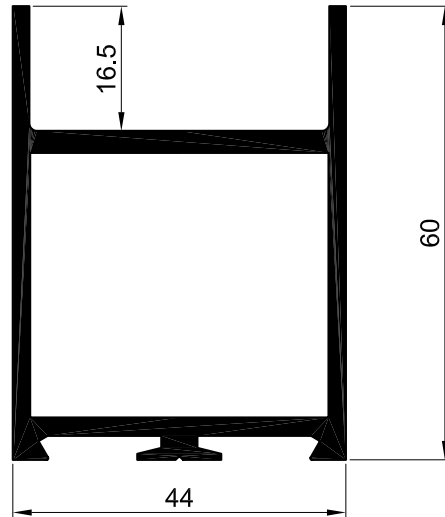


**SD604**  
CHANNEL FILLER FOR SD602  
AND PACK FOR TRACK SL70-3-30  
PERIMETER 107mm

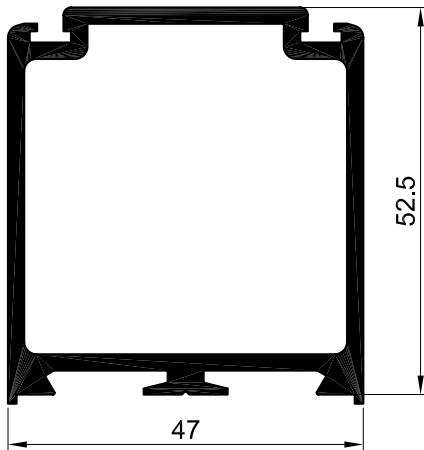
## Section Identification - Doors - Standard Sections



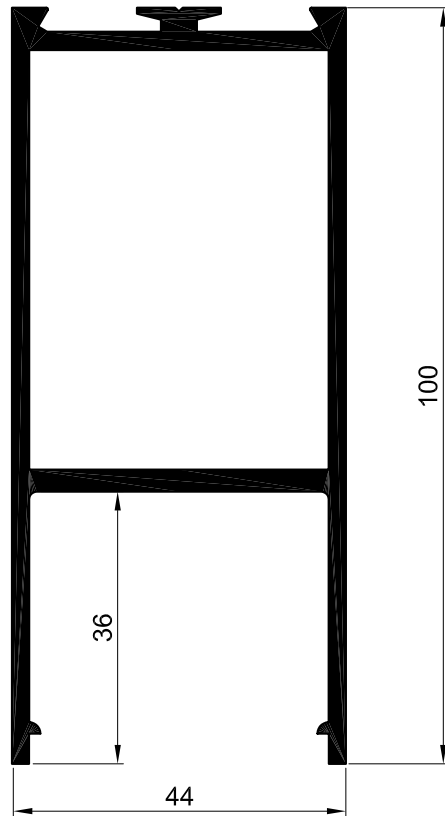
**SD572**  
 SINGLE WEATERPILE STILE  
 PERIMETER 240mm  
 INT. PERIMETER 172mm  
 Ixx ↑ 19.0531cm<sup>4</sup>  
 Iyy → 15.7390cm<sup>4</sup>



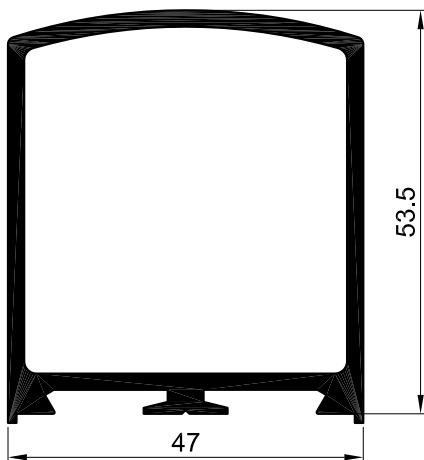
**SD573**  
 TOP RAIL  
 PERIMETER 267mm  
 INT. PERIMETER 149mm  
 Ixx ↑ 17.9377cm<sup>4</sup>  
 Iyy → 15.0159cm<sup>4</sup>



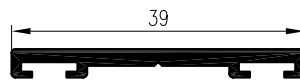
**SD587**  
 DOOR STILE DOUBLE PILE  
 PERIMETER 246mm  
 INT. PERIMETER 172mm  
 Ixx ↑ 17.5652cm<sup>4</sup>  
 Iyy → 15.1518cm<sup>4</sup>



**SD574**  
 BOTTOM RAIL  
 PERIMETER 393mm  
 INT. PERIMETER 190mm  
 Ixx ↑ 65.4123cm<sup>4</sup>  
 Iyy → 23.1798cm<sup>4</sup>



**SD591**  
 PLAIN DOOR STILE  
 PERIMETER 226mm  
 INT. PERIMETER 169mm  
 Ixx ↑ 17.4561cm<sup>4</sup>  
 Iyy → 14.6843cm<sup>4</sup>



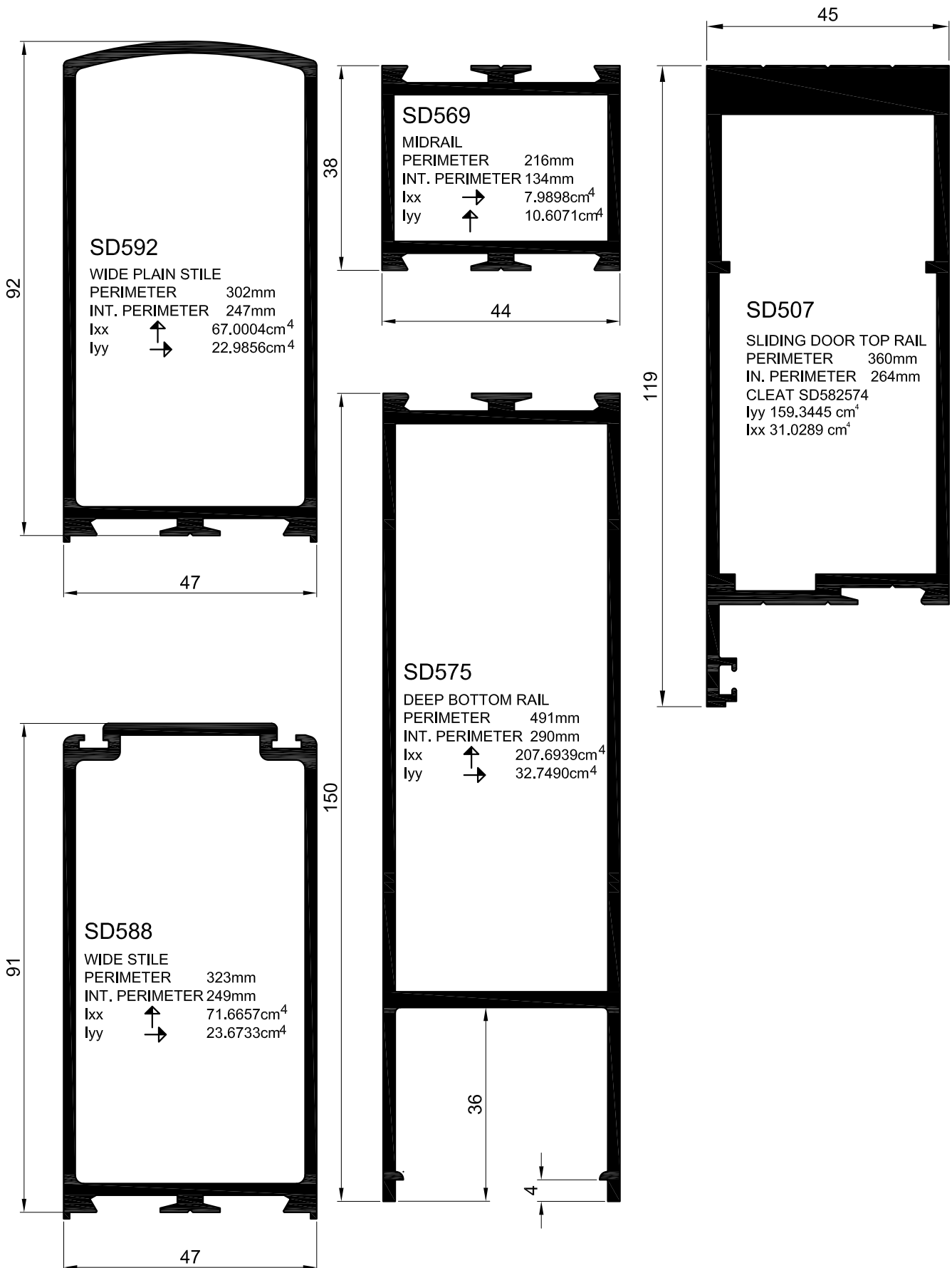
**SD595**  
 W/STRIP CARRIER  
 PERIMETER 108mm

# SFG and SD Series

1.B.202

## Section Identification - Doors - Wide Stiles and Rails

02.12

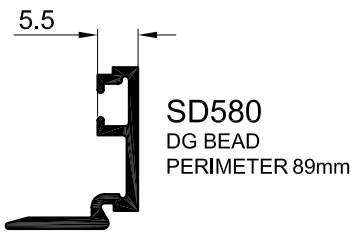
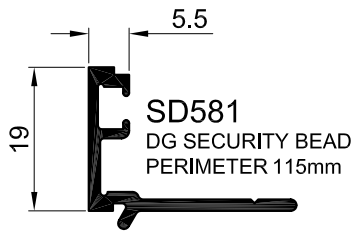


# 1.B.203

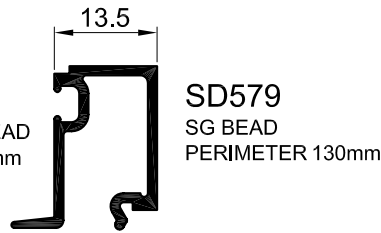
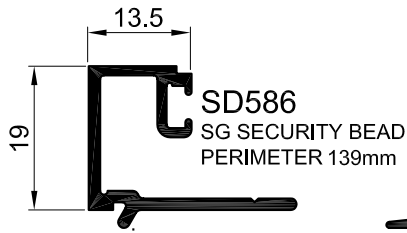
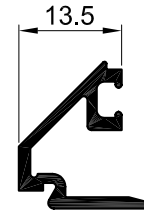
08.06

# SFG and SD Series

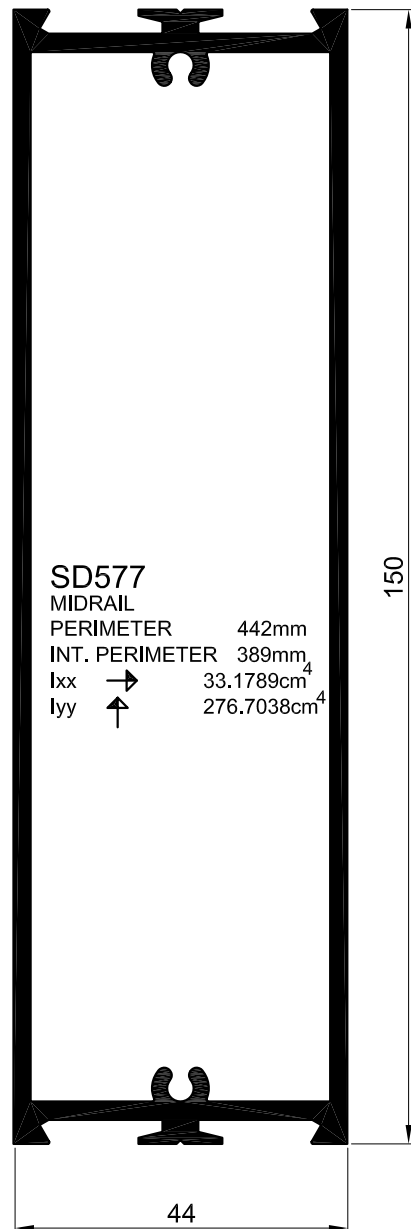
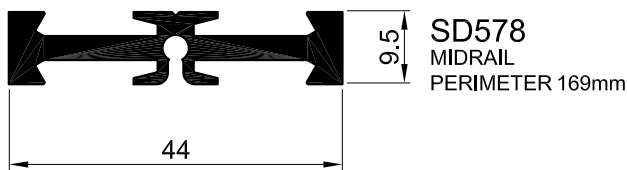
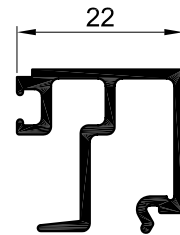
## Section Identification - Doors - Midrails and Beads



**SD196**  
SG BEAD  
PERIMETER 105mm



**SD548**  
6/10mm OFFSET  
BEAD (16.5 GAP)  
PERIMETER 175mm

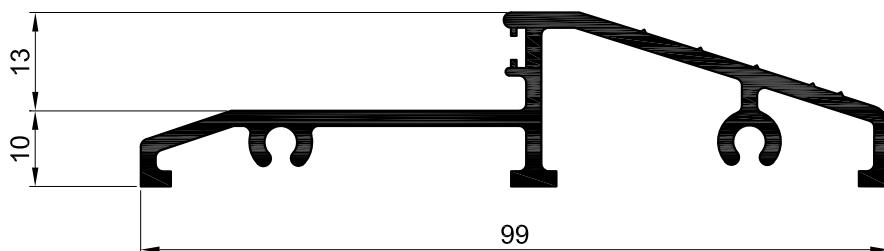


# SFG and SD Series

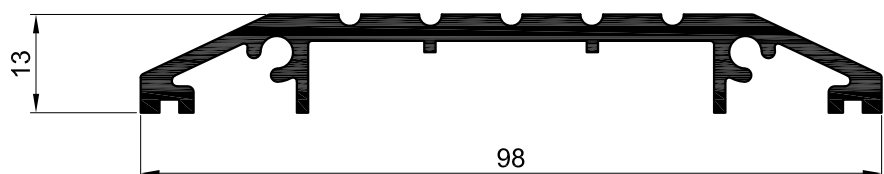
## Section Identification - Doors - Thresholds

1.B.204

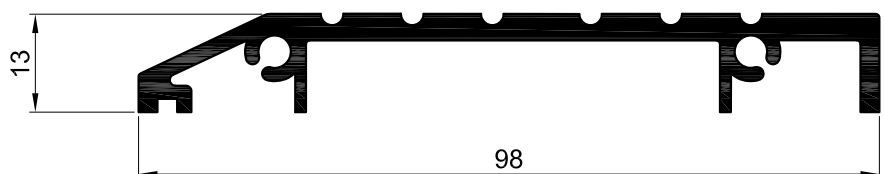
02.12



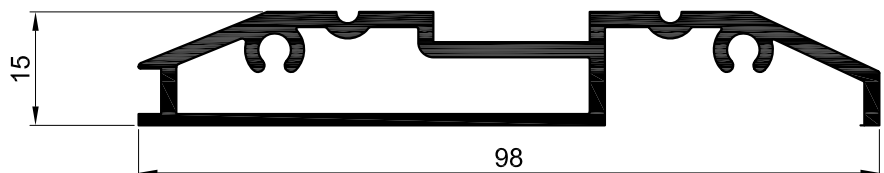
**SD570**  
REBATED THRESHOLD  
PERIMETER 356mm



**SD583**  
STANDARD THRESHOLD  
PERIMETER 306mm



**SD598**  
SQUARE EDGE THRESHOLD  
PERIMETER 309mm

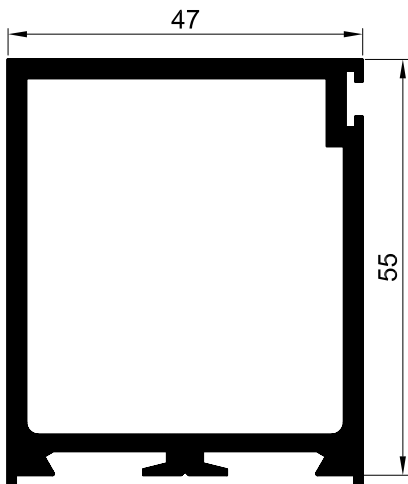


**SD501**  
DRAINED THRESHOLD  
PERIMETER 272mm  
INT.PERIMETER 147mm

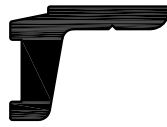
# 1.B.205

# SFG and SD Series

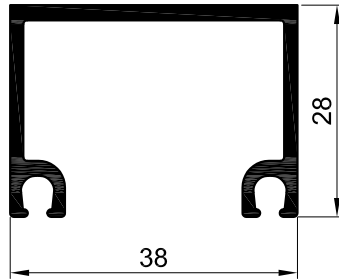
## 02.12 Section Identification - Doors - Cleats, Square Stiles and Sundries



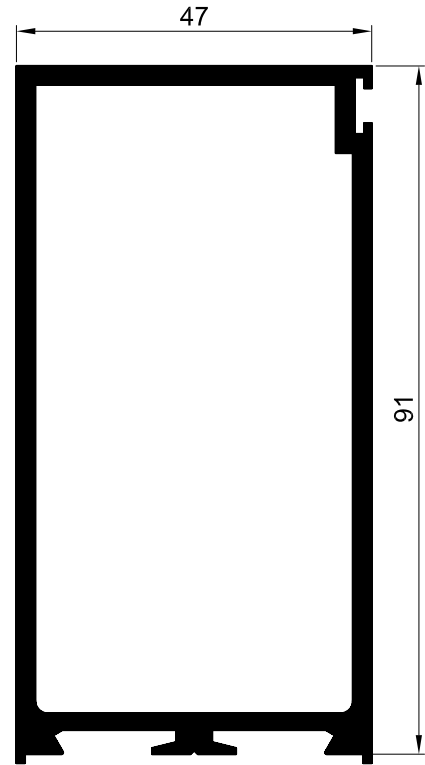
**SD555**  
 SQUARE DOOR STILE FOR WOOLPILE  
 PERIMETER 235mm  
 INT. PERIMETER 177mm  
 Ixx → 17.6550cm<sup>4</sup>  
 Iyy ↑ 22.6700cm<sup>4</sup>



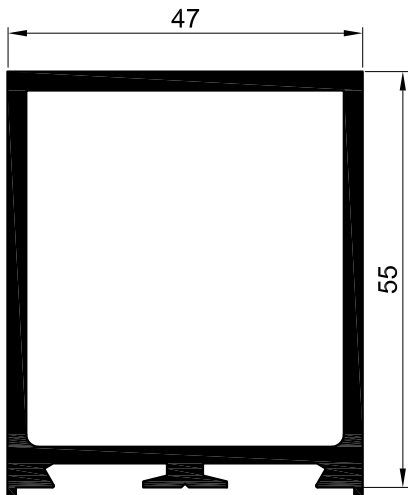
**SD558**  
 DOOR STOP  
 PERIMETER 70mm



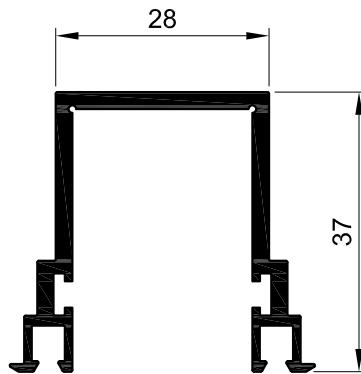
**SD566**  
 TWIN BRUSH SEAL CARRIER  
 PERIMETER 302mm



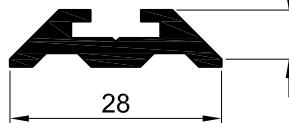
**SD556**  
 WIDE SQUARE DOOR STILE FOR WOOLPILE  
 PERIMETER 323mm  
 INT. PERIMETER 249mm  
 Ixx → 19.3926cm<sup>4</sup>  
 Iyy ↑ 33.1053cm<sup>4</sup>



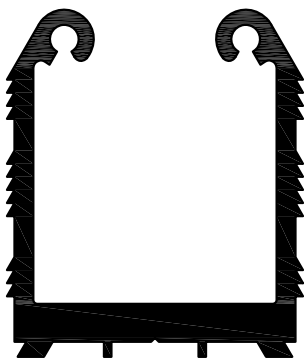
**SD585**  
 SQUARE DOOR STILE  
 PERIMETER 235mm  
 INT. PERIMETER 177mm  
 Ixx → 17.4700cm<sup>4</sup>  
 Iyy ↑ 22.2300cm<sup>4</sup>



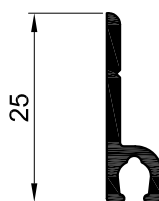
**SD508**  
 BOTTOM RAIL SEAL CARRIER  
 PERIMETER 271mm



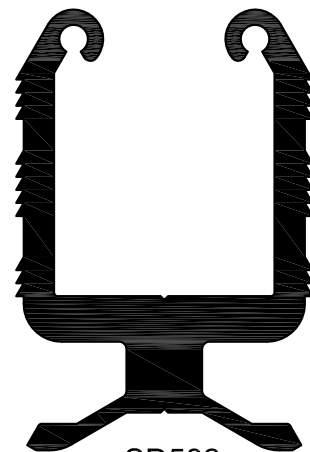
**SD597**  
 WEATHERPILE CARRIER  
 TO SUIT 11mm BASE W/STRIP  
 PERIMETER 83mm



**SD571**  
 MIDRAIL CLEAT



**SD557**  
 BRUSH SEAL CARRIER  
 PERIMETER 75mm



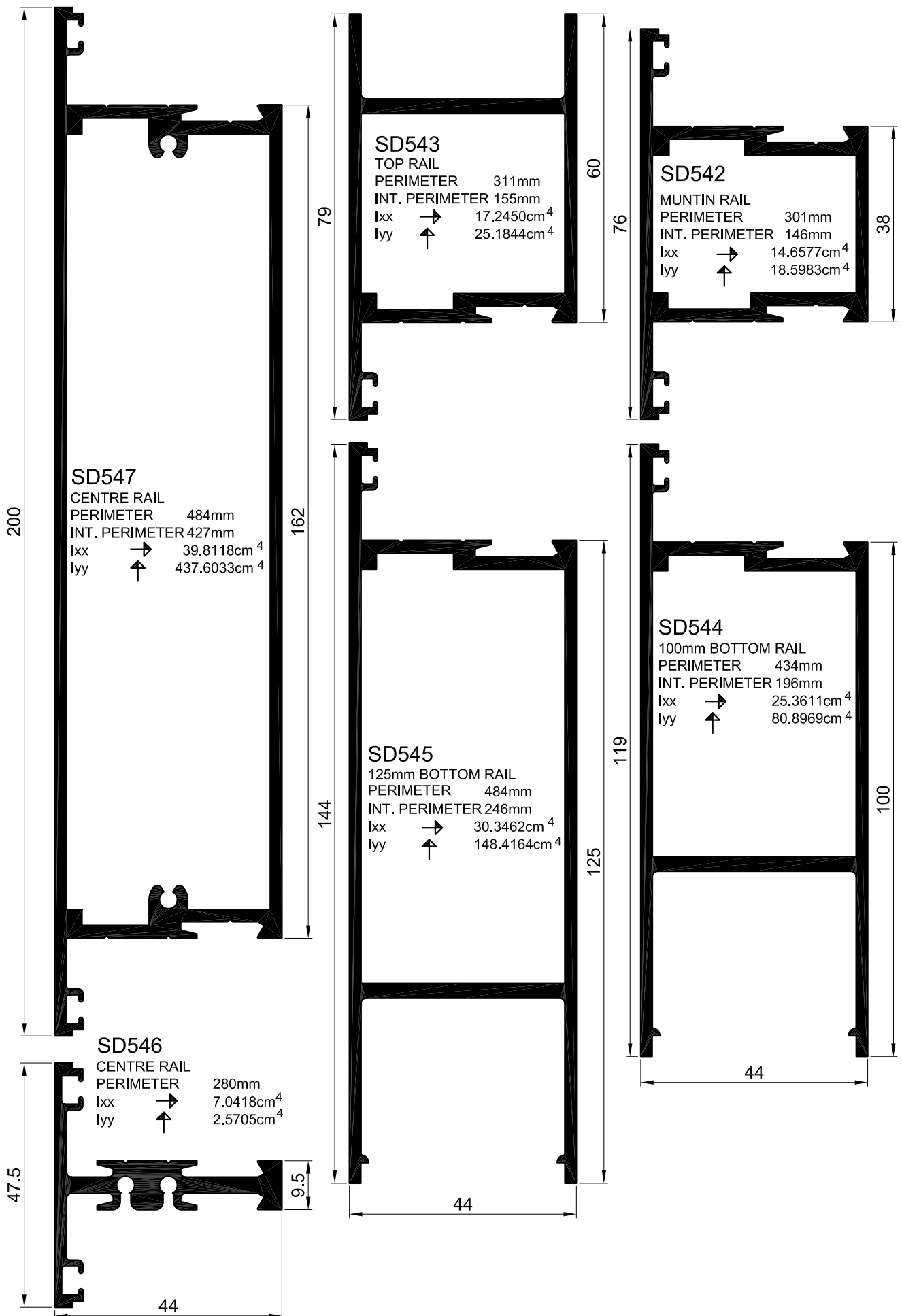
**SD582**  
 RAIL CLEAT

# SFG and SD Series

1.B.206

## Section Identification - Doors - Fixed Rebated Rails

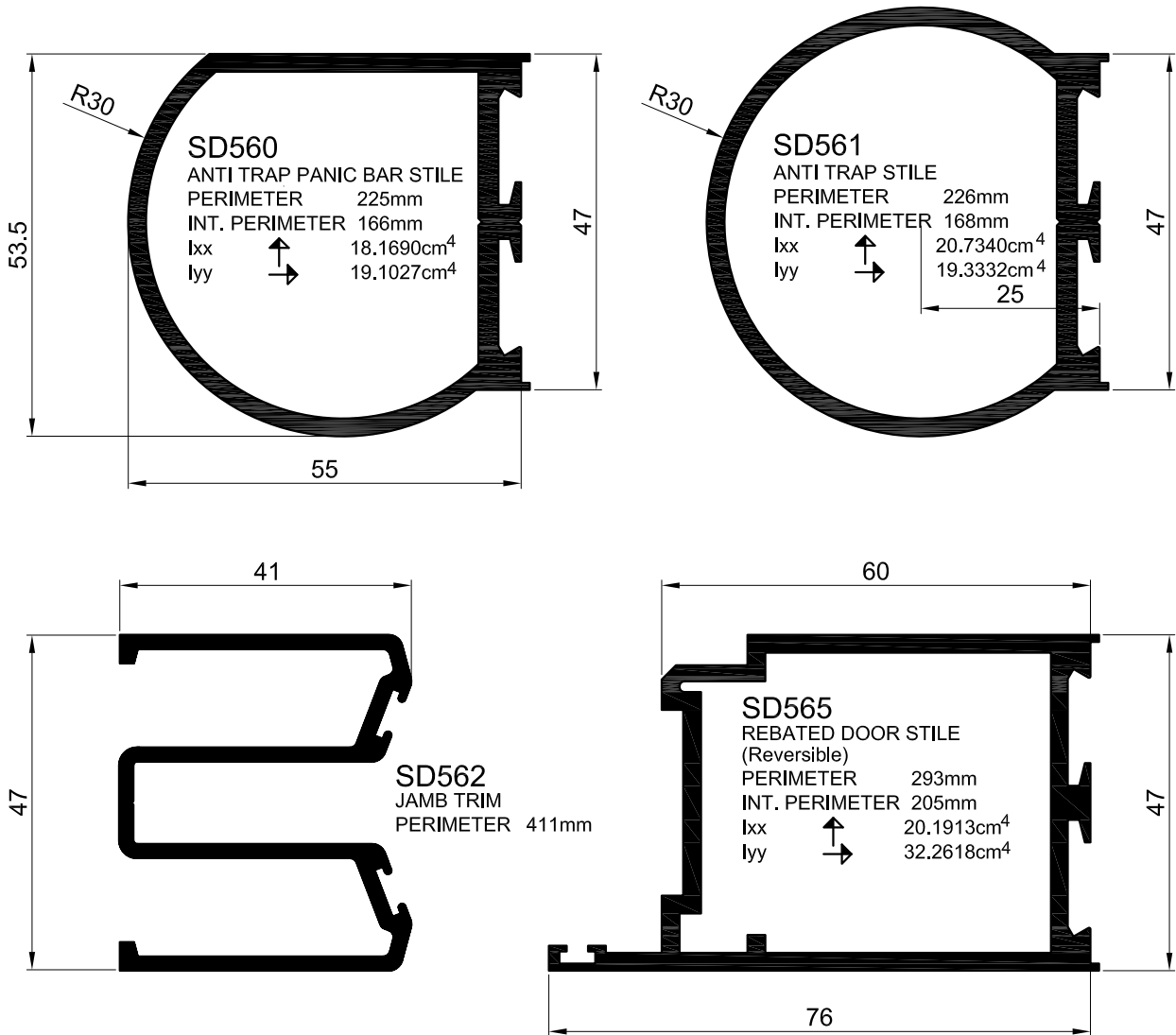
08.06



# 1.B.207

# SFG and SD Series

## 02.12 Section Identification - Doors - Anti Finger Trap and Rebated Stiles

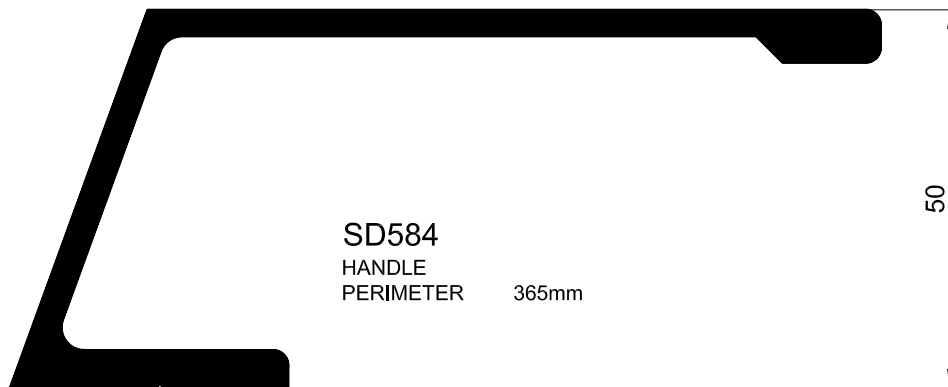


# SFG and SD Series

## Section Identification - Doors - Pad Handles

1.B.208

08.06

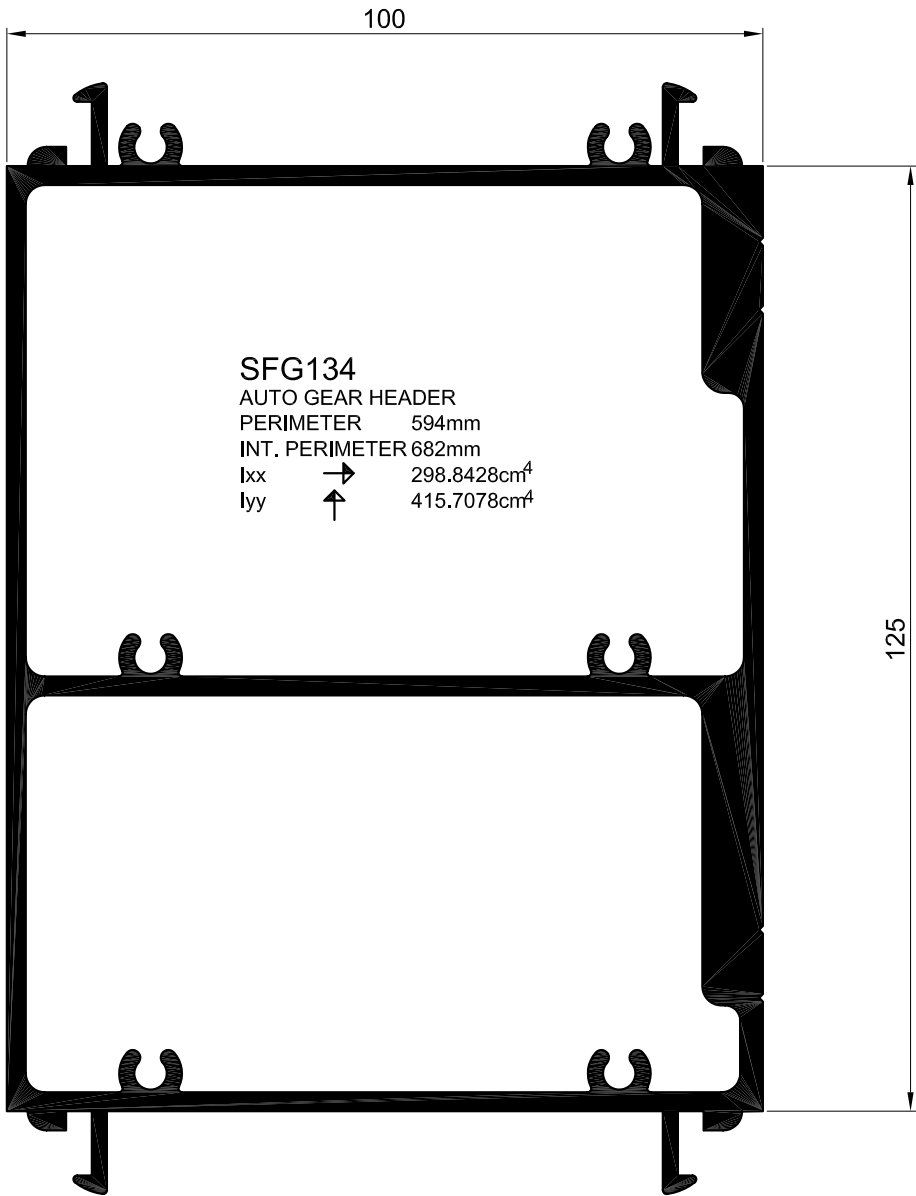


1.B.209

08.06

# SFG and SD Series

## Section Identification - Framing - Auto Gear Header

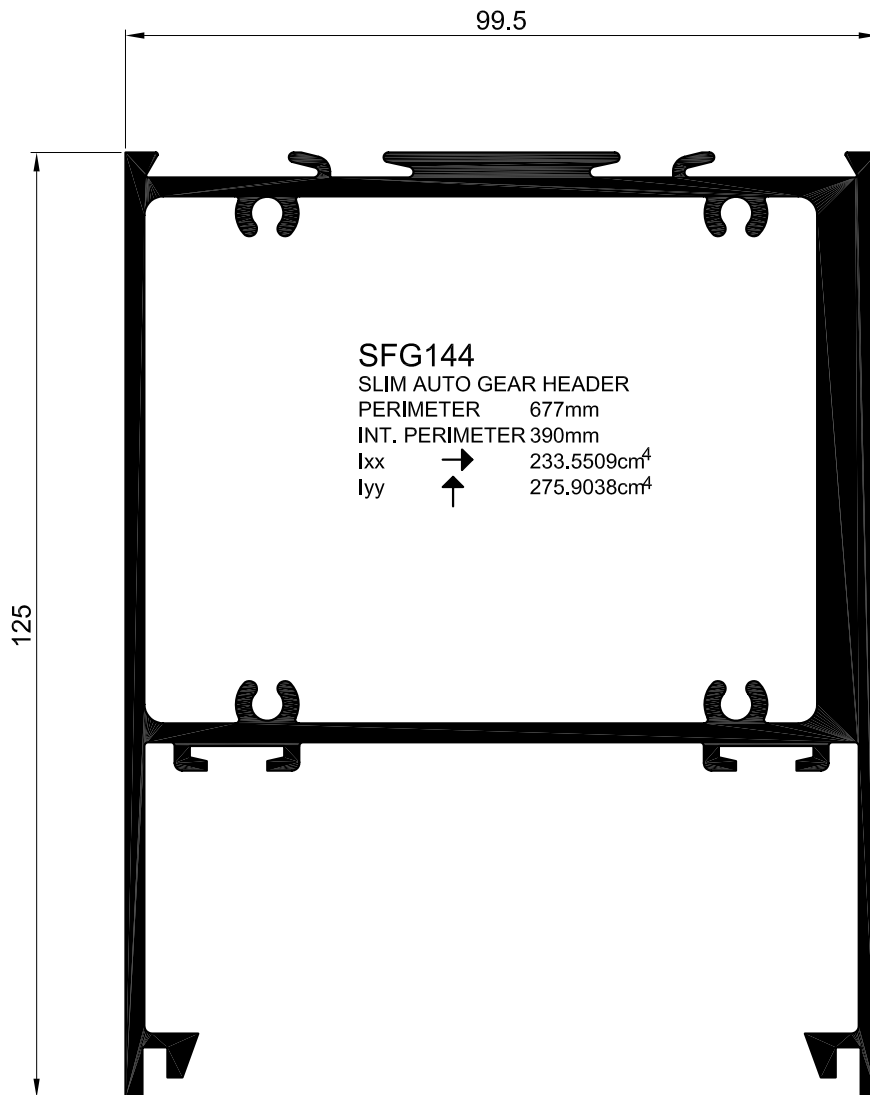


# SFG and SD Series

## Section Identification - Framing - Slim Auto Gear Header

1.B.210

08.06



1.B.211

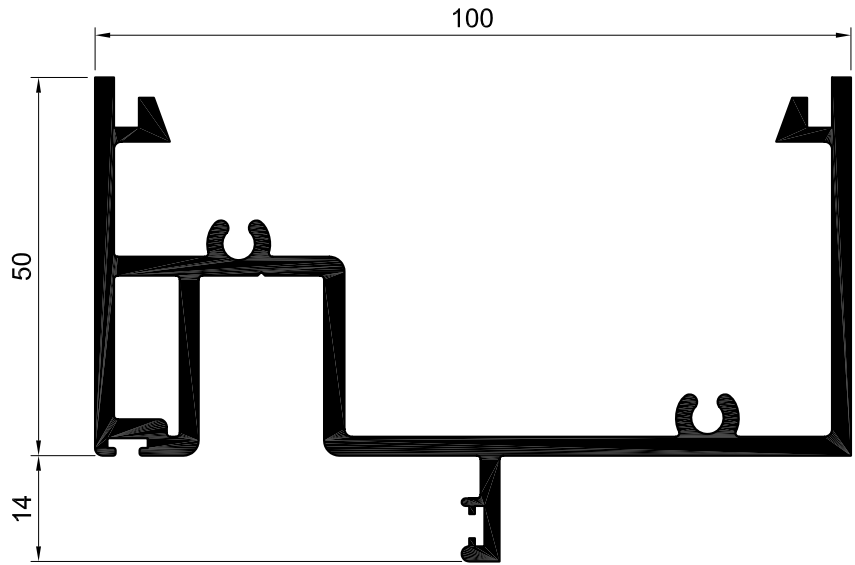
03.07

# SFG and SD Series

Section Identification - Vistafold

## SD505

SLIDING DOOR HEAD  
EXT PERIMETER 572mm  
INT PERIMETER 58mm  
Ixx → 103.947cm<sup>4</sup>  
Iyy ↑ 18.977cm<sup>4</sup>



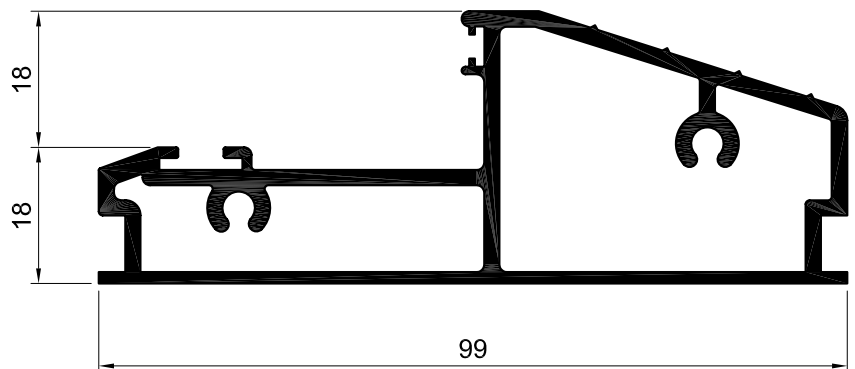
## SPA107

STAINLESS STEEL TRACK INSERT



## SD504

SLIDING DOOR CILL  
EXT PERIMETER 307mm  
INT PERIMETER 322mm



# SFG and SD Series

Blank

1.B.212

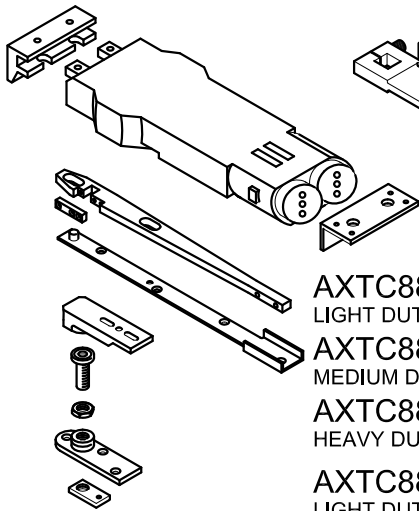
03.07

# SFG and SD Series

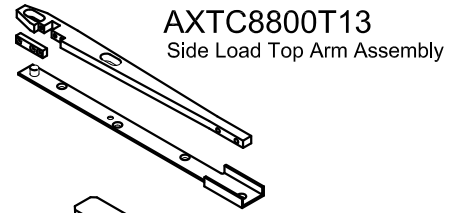
## Accessories - Closers and Fixings

Closer Components Available Separately

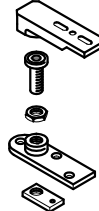
### Concealed Overhead Closers



- AXTC880018**  
Top Arm and Slide Channel
- 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



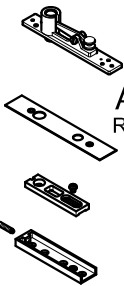
**AXTC8800T13**  
Side Load Top Arm Assembly



**AXTC880002**  
Bottom Pivot Assembly



**AXTC880015**  
End Load Top Arm Assembly  
Use for SD561 Roundnose Stiles.



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



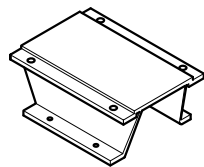
**SDTEE**  
Tee Nut



**SDTW**  
Spring Washer



**SDTS**  
Tee Nut Screw



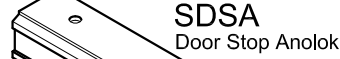
**SFG139RCUT**  
Header Bar Packer



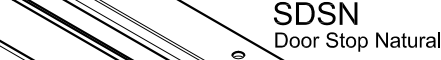
**SDS**  
Door Stop Mill



**SDSP**  
Door Stop Powder Coat



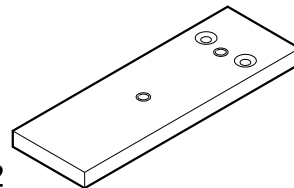
**SDSA**  
Door Stop Anolok



**SDSN**  
Door Stop Natural



**SDS FOAM**  
Door Stop Foam Tape



**SDAB02**  
Pivot Support Plate For  
SD561 Round Stile.



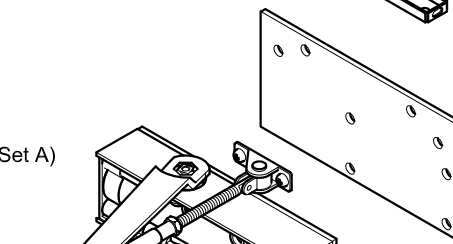
**SDTHW**  
Sq. Washer For SD501



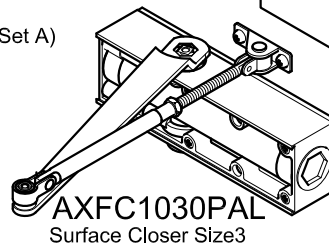
**AXTC880003**  
'F' Bracket with Screws (Set A)



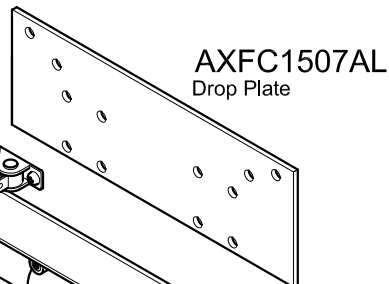
**AXTC880013**  
Special Top Arm Assembly  
Short Side Load



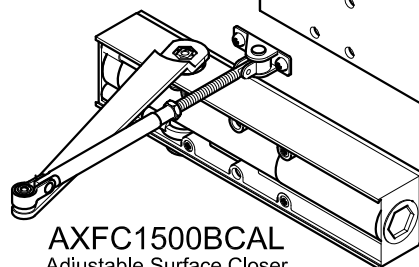
**AXFC100012AL**  
Drop Plate



**AXFC1030PAL**  
Surface Closer Size 3



**AXFC1507AL**  
Drop Plate



**AXFC1500BCAL**  
Adjustable Surface Closer

# SFG and SD Series

1.C.02

## Accessories - Locks and Fittings

12.08



**AEC**  
17mm Euro Cylinder



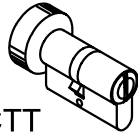
**AKB**  
Key Blank for AEC



**AECPASS**  
17mm Euro Cylinder To Pass Same Key



**AEC2**  
17mm Half Cylinder



**AECTT**  
17mm Euro Cylinder Thumbturn



**SDFBG3**  
Flush Bolt Guide  
Vistafold



**SDFBG2**  
Flush Bolt Guide  
Vistafold



**SDFBG**  
Flush Bolt Guide

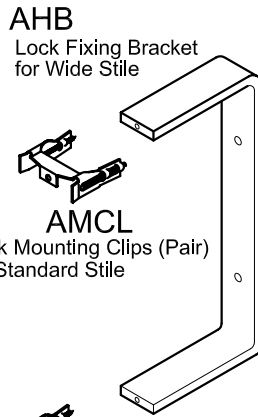


**SFSCS23**  
No.10x16 CSK  
SCREW



**AESCN**  
Self Adhesive Escutcheon  
Anodised Natural (S.A.A.)

**AESCB**  
Self Adhesive Escutcheon  
Anodised Black



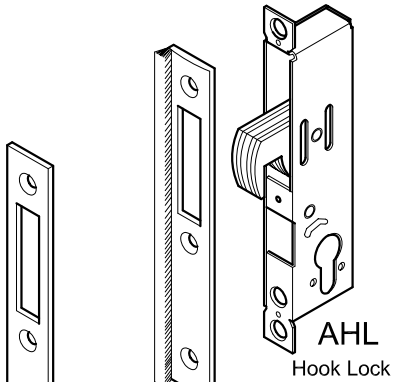
**AHB**  
Lock Fixing Bracket  
for Wide Stile

**AMCL**  
Lock Mounting Clips (Pair)  
for Standard Stile

**AXFB6201F12**  
Flat Faced Flush Bolt Natural  
**AXFB6202F12A**  
Flat Faced Flush Bolt Bronze



**AXFB6201R12**  
Radius Faced Flush Bolt Natural  
**AXFB6202R12A**  
Radius Faced Flush Bolt Bronze



**AHL**  
Hook Lock

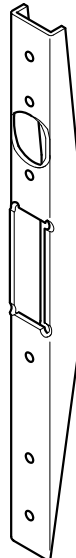
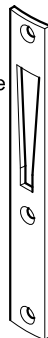
**AHLFP**  
Faceplate With Weatherstrip

**AHLFPF**  
Plain Faceplate

**AAST**  
Armoured Strike  
c/w Fixings

**AASTFP**  
Armoured Strike  
Flat Face Plate

**AASTRP**  
Armoured Strike  
Radius Face Plate



# 1.C.03

02.12

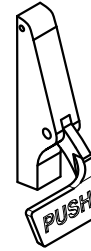
# SFG and SD Series

## Accessories - Panic Bar, Handle and Packs



**AXPR7085AL**  
Concealed Rod Panic Bar  
Max Door Height 2135mm

NOTE:  
Door Height Above 2135mm  
Order Extension Rod & Coupler  
**AXRE712**



**AXPR7085PALRH**  
**AXPR7085PALLH**  
Push handle  
(PALRH shown)  
Max Door Height 2135mm



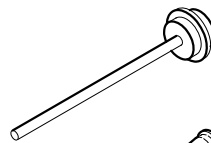
**AXRC785AL**  
Rim Cylinder inc 2 Keys SAA



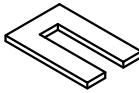
**AXMP786AL**  
Rim Cylinder Mount and Lockring



**SDPLUG**  
Tie Bar Access Hole Filler



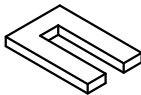
**SCWR**  
Stud Rivet



**SPS3**  
3mm Fixing Packer



**SDPL02**  
13mm Plug



**SPS5**  
5mm Fixing Packer

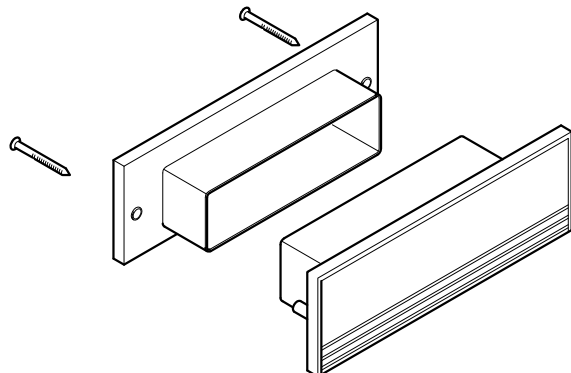


**SPS1**  
1.5mm Fixing Packer

### 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



# SFG and SD Series

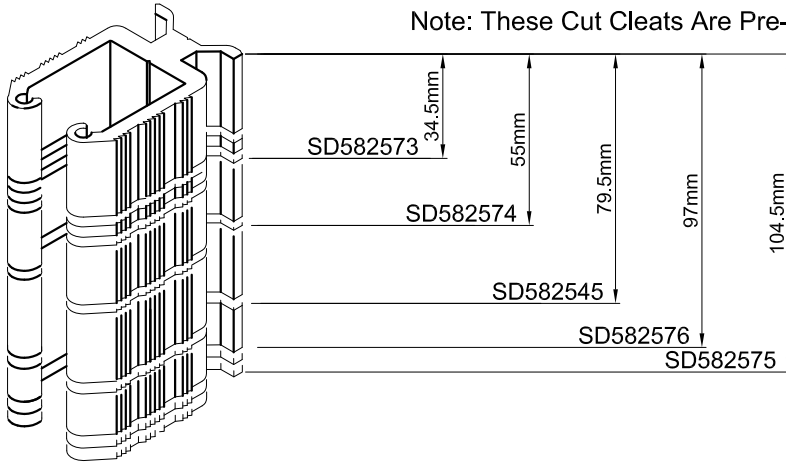
1.C.04

## Accessories - Cut Door Cleats

02.12

### Section SD582 Cleat

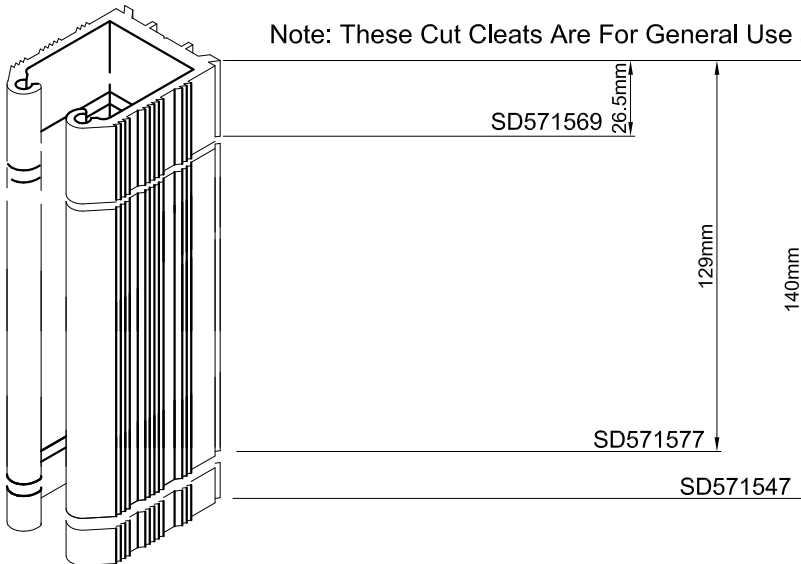
Note: These Cut Cleats Are Pre-Drilled For Use With Tie Rods



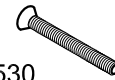
SECTION	CLEAT
SD573	SD582573F
SD543	SD582573F
SD574	SD582574F
SD575	SD582575F
SD544	SD582574F
SD545	SD582545F

### Section SD571 Midrail Cleat

Note: These Cut Cleats Are For General Use and Are Therefore Not Drilled.



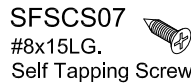
SECTION	CLEAT
SD569	SD571569
SD577	SD571577
SD542	SD571569
SD547	SD571547



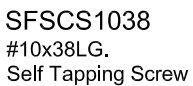
SFSCM0530  
M5 x 30 Long C/Sink Screws



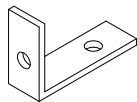
SFSCS03  
#8x12LG C/SK  
Self Tapping Screw



SFSCS07  
#8x15LG.  
Self Tapping Screw



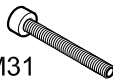
SFSCS1038  
#10x38LG.  
Self Tapping Screw



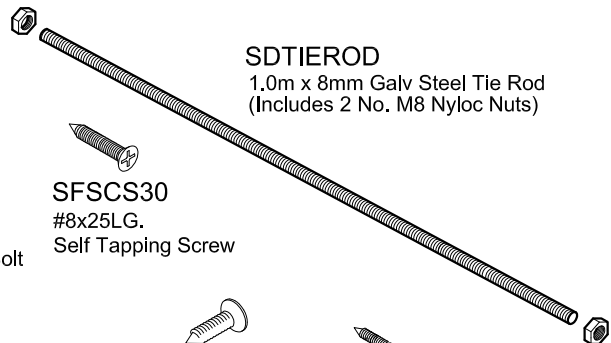
SPA119  
Mid Rail Fixing Bracket



SFSPS04  
#10x12LG.  
Self Tapping Screw



SFSSM31  
M8 x 40mm Socket Head Bolt



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



SFSCS30  
#8x25LG.  
Self Tapping Screw



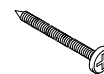
SFSCS850  
No8x50LG C/Sk Screw



SFSPS05  
#10x19LG.  
Self Tapping Screw



SFSCS23  
No10x16LG C/Sk Screw



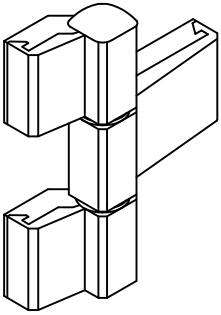
SFSPS01  
No10x32LG C/Sk Screw

# 1.C.05

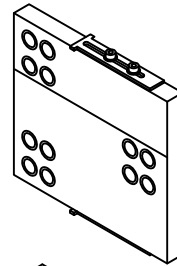
03.14

# SFG and SD Series

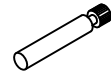
## Accessories - Face Applied Hinges



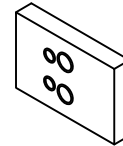
- SPW3M**  
3 Part Knuckle Hinge Mill
- SPW3N**  
3 Part Knuckle Hinge Natural Anodised
- SPW3P**  
3 Part Knuckle Hinge Powder Coated
- SPW3W**  
3 Part Knuckle Hinge White Powder Coated



**SKJIG**  
Drilling Jig



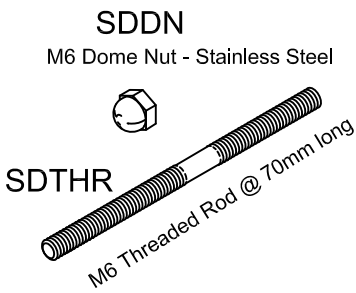
**SKHPIN**  
Security Pin



**SKJIG**  
Additional Drill Jig  
For Adjustment Holes

**Note:**

For doors up to 100Kg weight use 3x 3 Part Hinges



**SDDN**

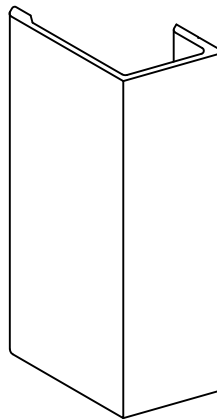
M6 Dome Nut - Stainless Steel

**SDTHR**

M6 Threaded Rod @ 70mm long

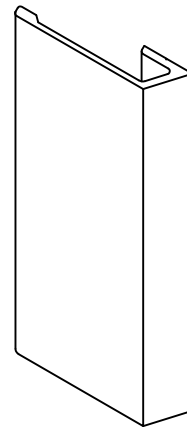
### SD584

Standard Pad Handle



### SD564

Slimline Pad Handle



#### STANDARD PAD HANDLES

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

#### SLIM PAD HANDLES

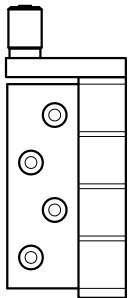
- SD564200**  
Mill Finish
- SD564200N**  
Silver Anodised
- SD564200A**  
Anolok Bronze 547
- SD564200P**  
Powder Coated

# SFG and SD Series

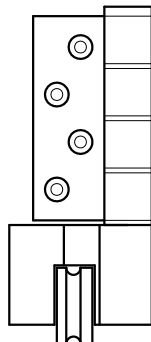
1.C.06

## Accessories - Sliding Doors

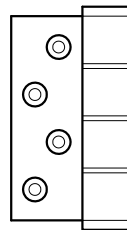
12.13



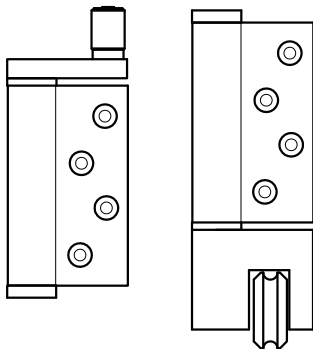
**SPW868TGN**  
Vistafold Top Guide - Natural



**SPW868BHN**  
Vistafold Hinge - Natural

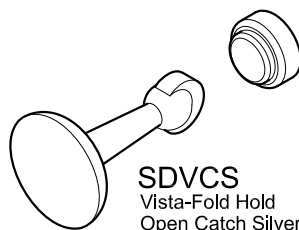


**SPW868HHN**  
Vistafold Handle / Hinge - Natural



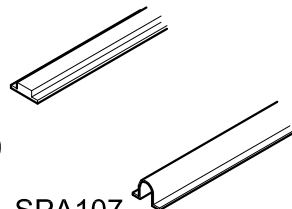
**SPW870BRN**  
Vistafold Offset Bottom Roller - Natural

**Please Note: Handle Hinges  
Only required On Outward  
Opening Doors.**



**SDVCS**  
Vista-Fold Hold  
Open Catch Silver

**SPA108125**  
Track Infil 125mm  
**SPA1081500**  
Track Infil 1500mm



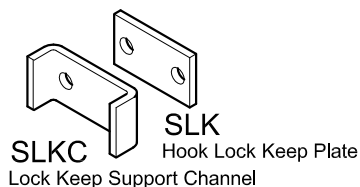
**SPA107**  
Stainless Steel Track - 5000mm

**SPW871X25LHN (shown)**  
Vista Duo+ Offset Bottom Roller LH - Natural  
Vista Duo+ Top Guide LH - Natural

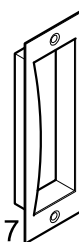
**SPW871X25RHN (opp hand)**  
Vista Duo+ Offset Bottom Roller RH - Natural  
Vista Duo+ Top Guide RH - Natural



**SLG1**  
Top Glider



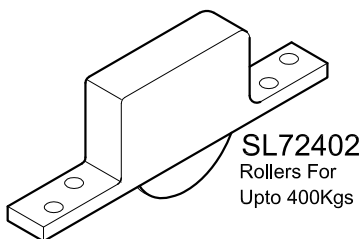
**SLKC** Lock Keep Support Channel  
**SLK** Hook Lock Keep Plate



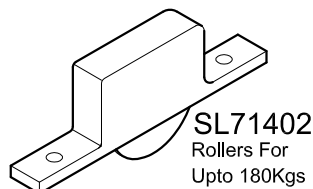
**SL95617**  
100 x 50 Flush Pull B.S.



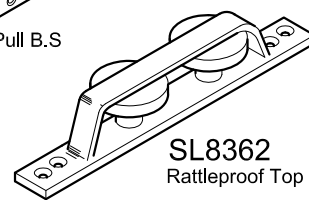
**SLB**  
20mm Black Screw on Stop



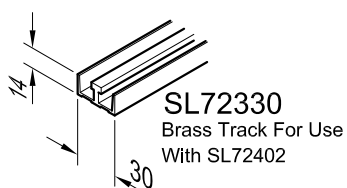
**SL72402**  
Rollers For  
Upto 400Kgs



**SL71402**  
Rollers For  
Upto 180Kgs



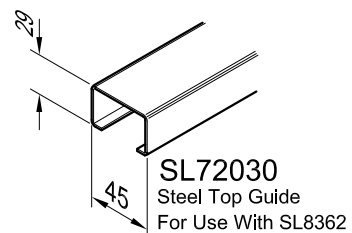
**SL8362**  
Rattleproof Top Roller



**SL72330**  
Brass Track For Use  
With SL72402



**SL70330**  
Brass Track For Use  
With SL71402



**SL72030**  
Steel Top Guide  
For Use With SL8362

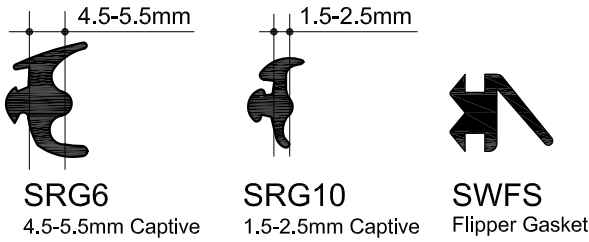
# 1.C.07

06.09

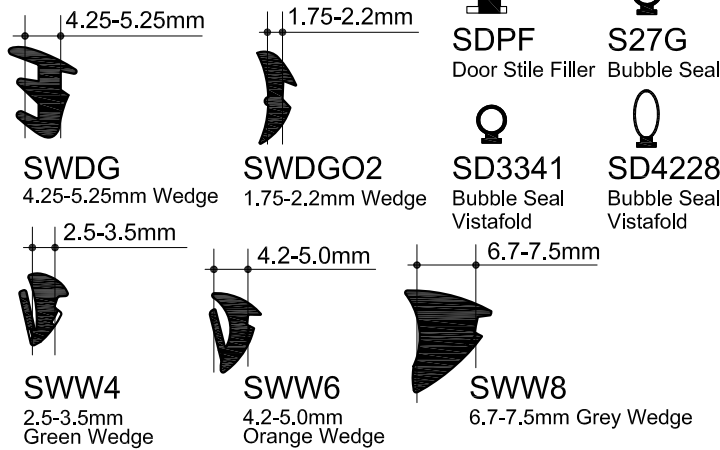
# SFG and SD Series

## Accessories - Gaskets and Weatherpiles

### Door Seals



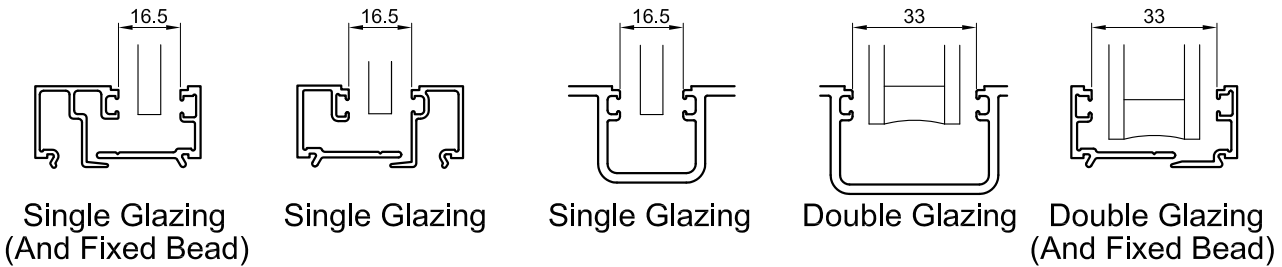
### Wedge Gaskets



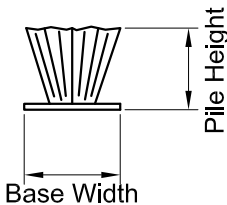
Pocket and Bead Glazing			
Glass Thickness (mm)	Wedge	Captive	2 x Wedges (alternative)
6.0	SWDG	SRG6	SWDG
6.4	SWDG	SRG6	SWDG
7.5	SWW6	SRG6	N/A
8.8	N/A	N/A	SWDG/SWW6
10.0	SWDG	SRG10	SWW4
10.8	SWW4	SRG10	SWW4
11.3	SWW6	SRG10	SWW4
11.5	SWW6	SRG10	SWW4
12.0	N/A	N/A	SWDGO2
21.0	SWW8	SRG6	N/A
24.0	SWDG	SRG6	SWDG
24.8	SWW4	SRG6	SWDG
*28	SWDG02	SRG10	SWDG02/SWW4

\*NOT SUITABLE FOR POCKET GLAZING

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



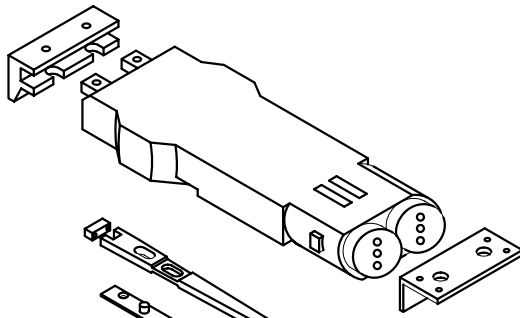
Reference	To Fit Section	Base Width	Pile Height	? Fin
SDWP02	SD587, SD588	5.10	12.00	Yes
SDWP03	SD572, SD597 SD605	11.00	7.25	No
SDWP04	SD587, SD588	5.10	9.00	Yes
SDWP 1110	SD572, SD597	11.00	10.00	No
NOWP 6.7950WF	SD595, SD593, SD555 SD556, SD601, SD607	6.70	9.50	Yes
SWWP	SFG112, SFG119 SD570, SD565, SD505	4.80	5.00	No
NOWP 6.7600P	SD562, SD555, SD556 SD595,	6.70	6.00	No
SWFS Flipper	SFG135, SFG136, SD502 SD504, SD505, SD570			
S27G Bubble	SD587, SD588			
SD3341 Bubble	SD587, SD588			
SD4228 Bubble	SD587, SD588			

# SFG and SD Series

## Accessories - PAS24 Security Accessories

1.C.08

01.11



**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**

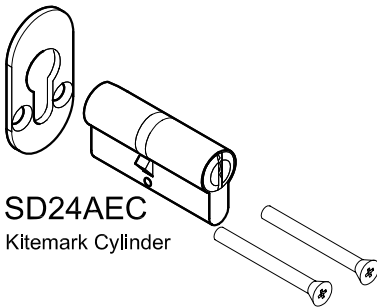
MEDIUM DUTY No Hold Open End Load AFT Closer - Complete

**SD51122997N**

LIGHT DUTY Hold Open End Load AFT Closer - Complete

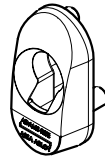
**SD51121997N**

LIGHT DUTY No Hold Open End Load AFT Closer - Complete



**SD24AEC**

Kitemark Cylinder

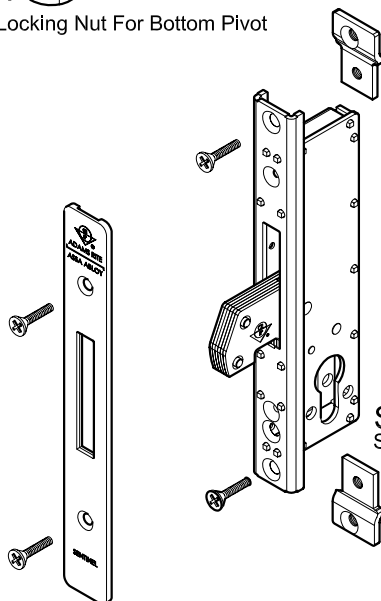


**SD24AESC**

Adams Rite Security Escutcheon

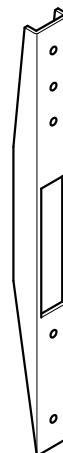


**SD24LN**  
Additional Locking Nut For Bottom Pivot



**SD24AHL**

Security Hook Lock Sentinel



**SD24AAST**

Security Armoured Strike



**SD24AASTFP**

Security Armoured Strike  
Flat Face Plate

**SD24AHLFPF**

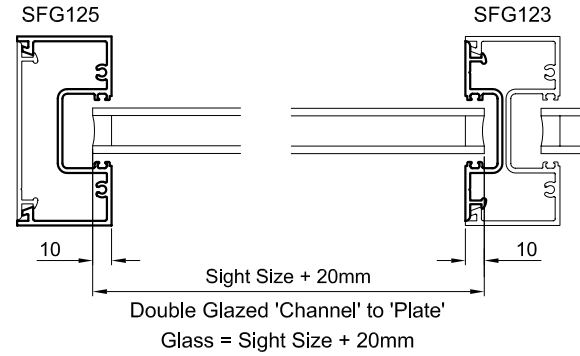
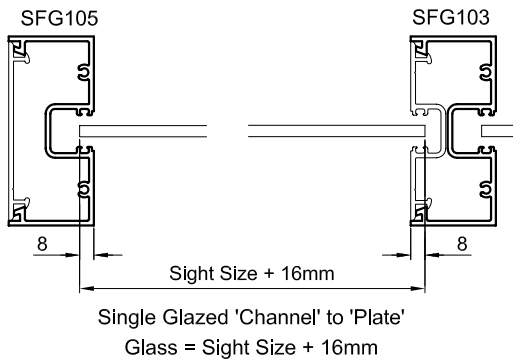
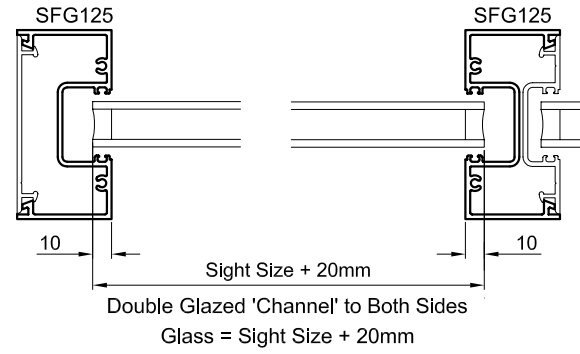
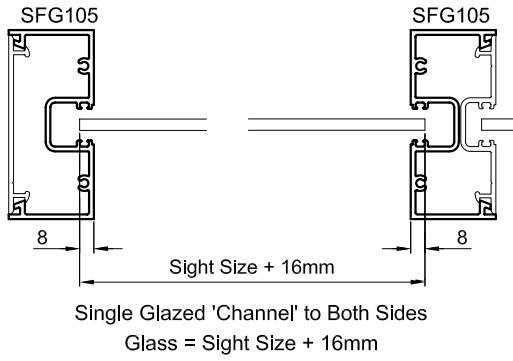
Security Face Plate

# 1.D.01

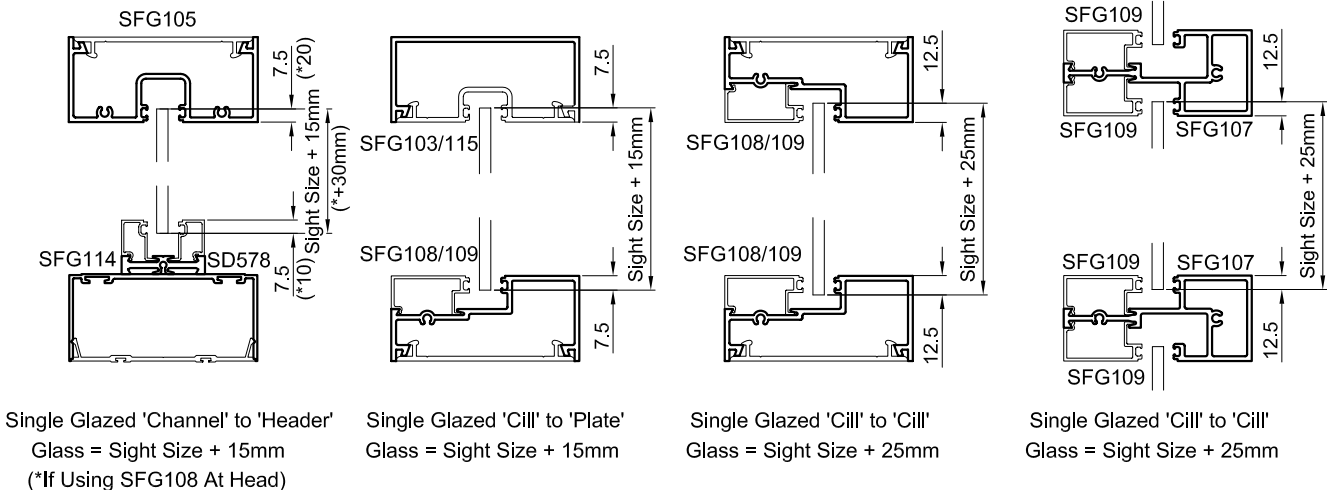
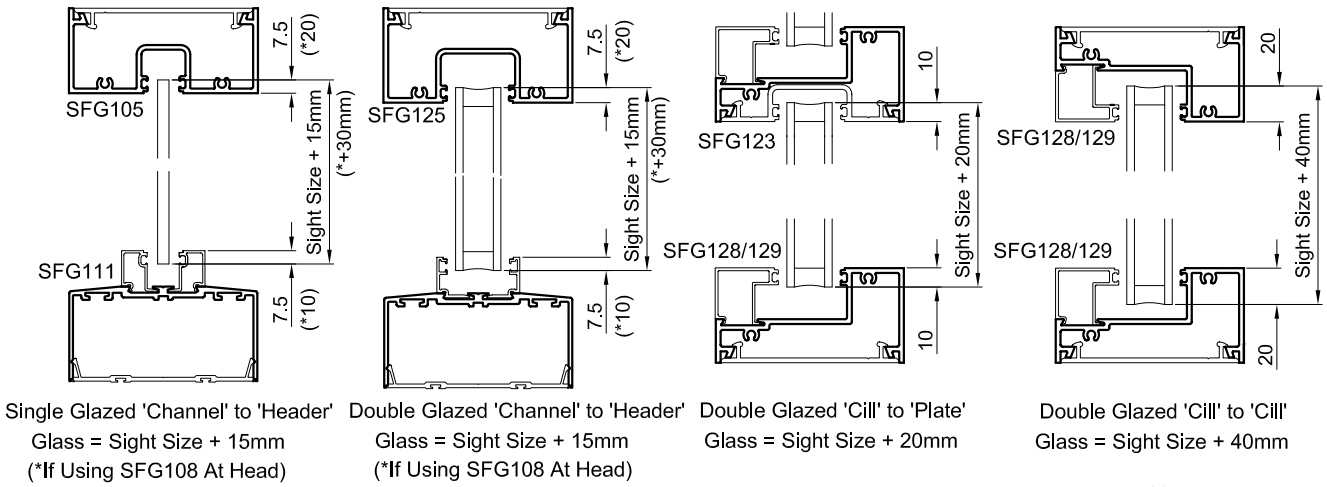
08.06

# SFG and SD Series

Data - Glass Formulae



## Horizontal Cross Section.



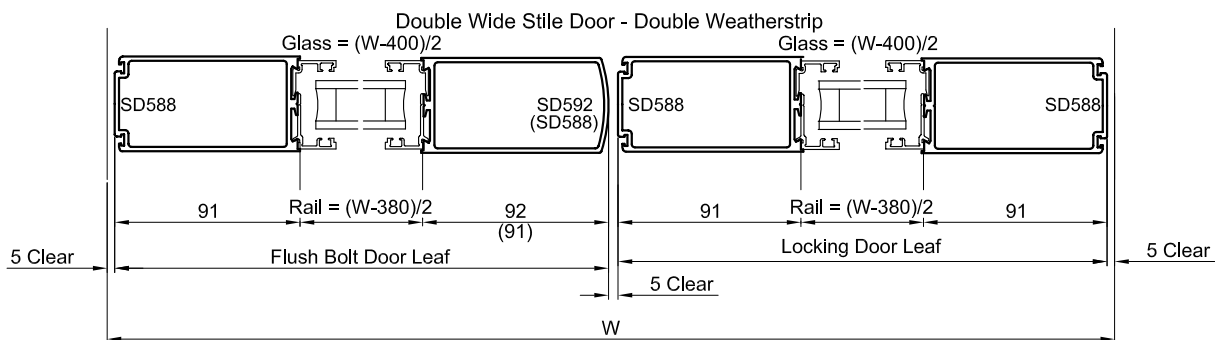
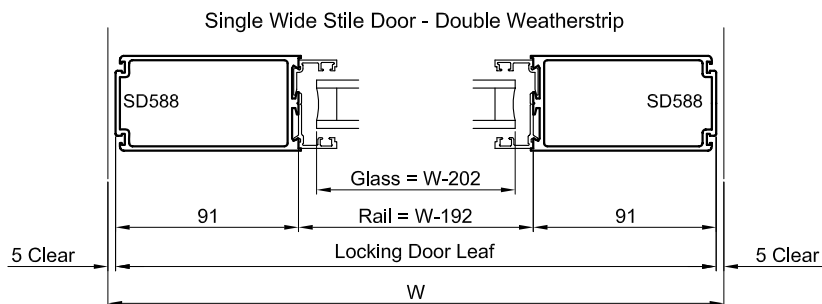
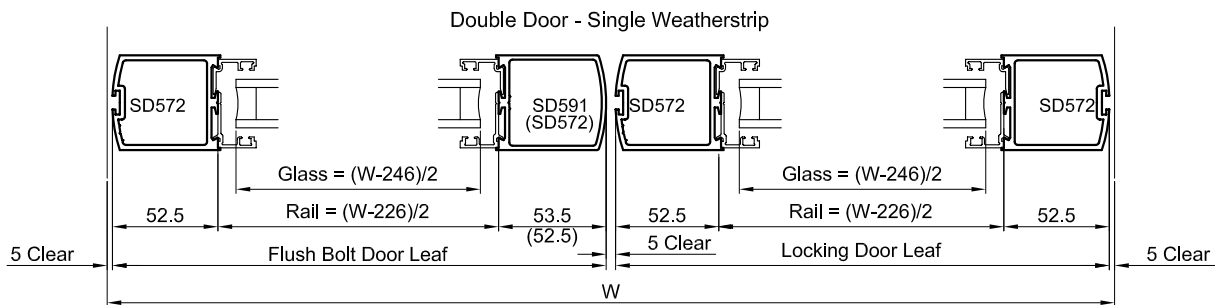
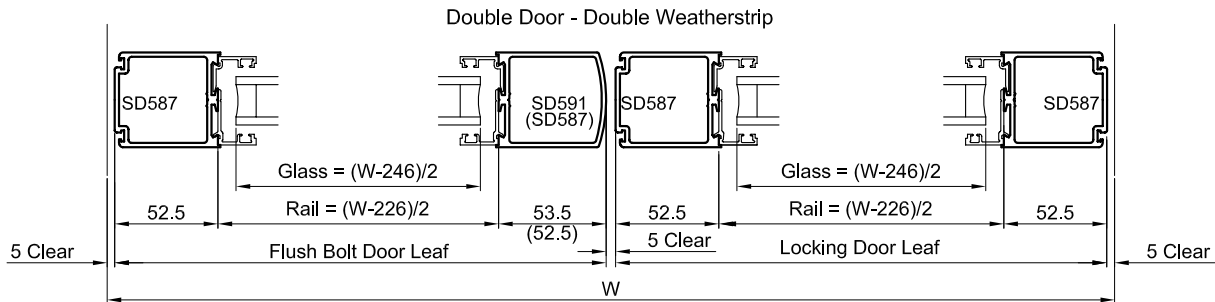
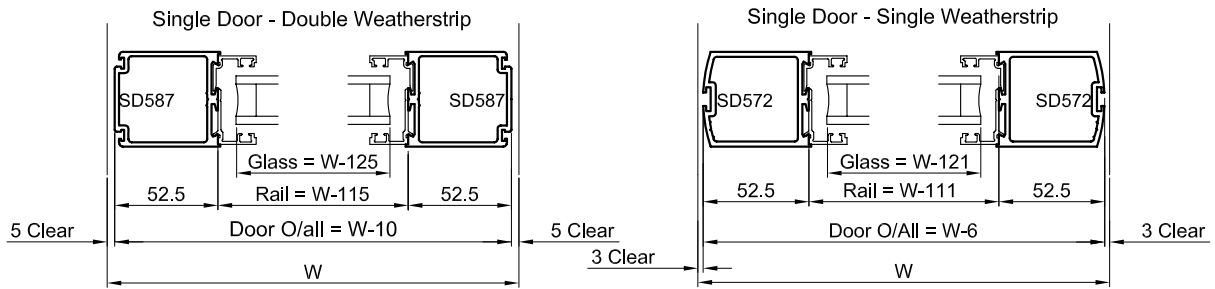
## Vertical Cross Section.

# SFG and SD Series

1.D.02

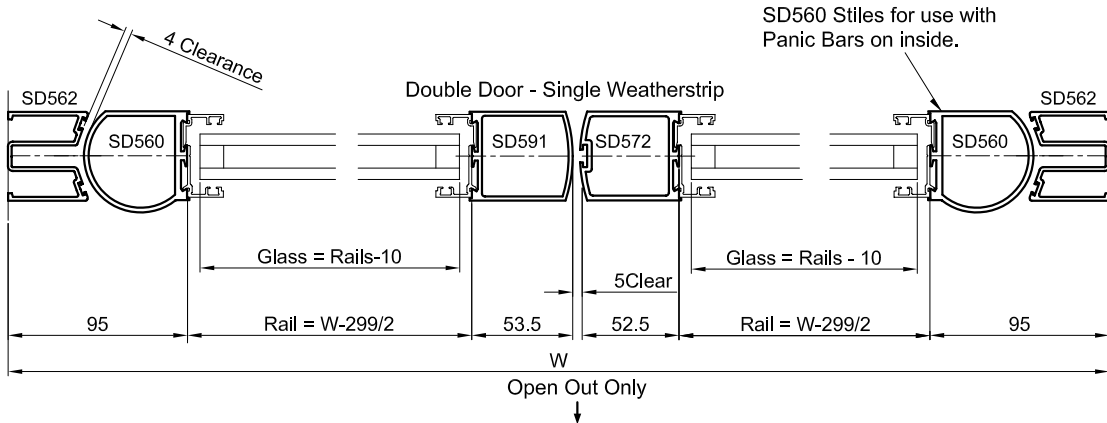
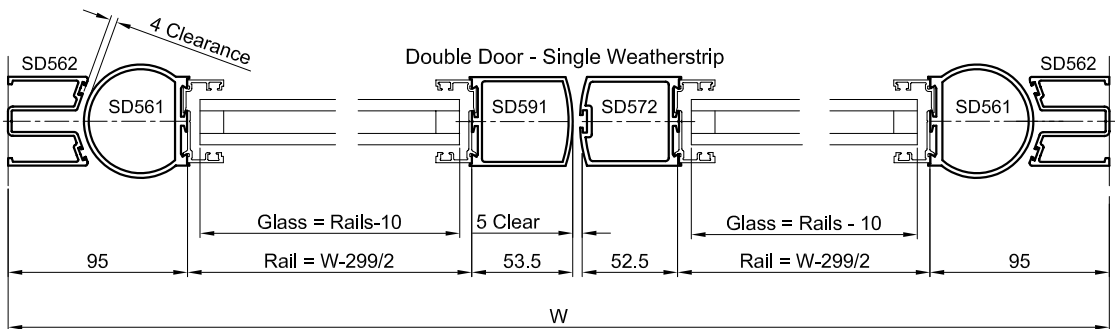
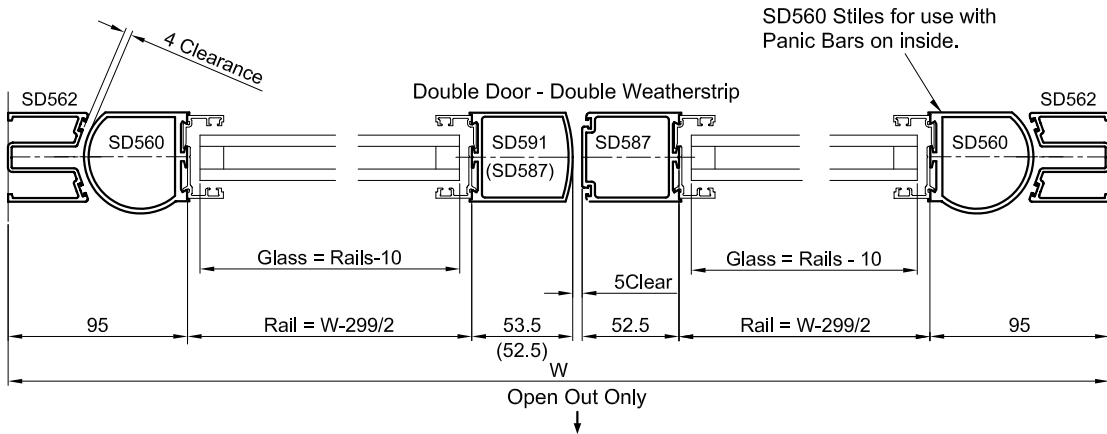
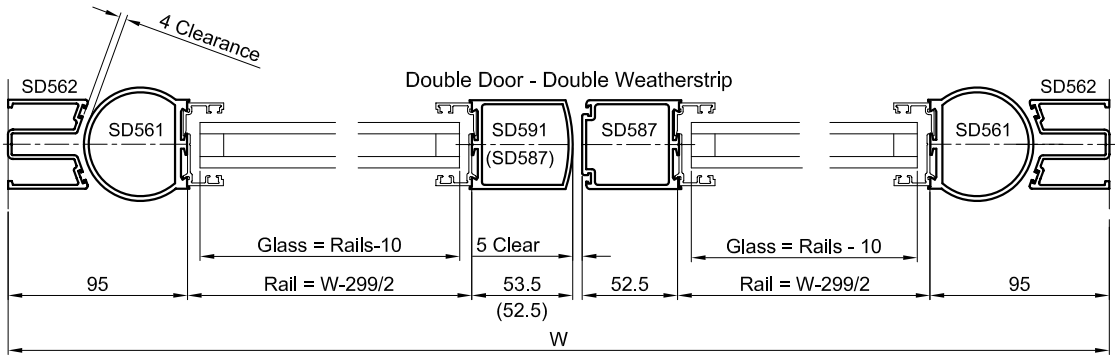
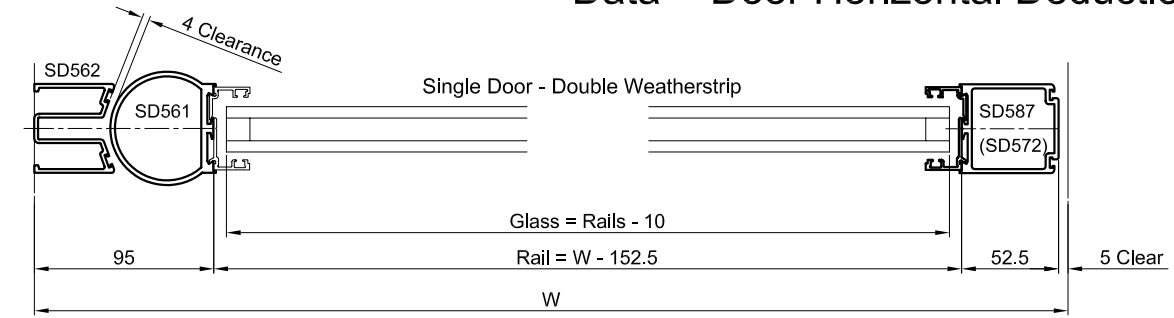
## Data - Hinged Door Horizontal Deductions

05.08



# SFG and SD Series

## Data - Door Horizontal Deductions

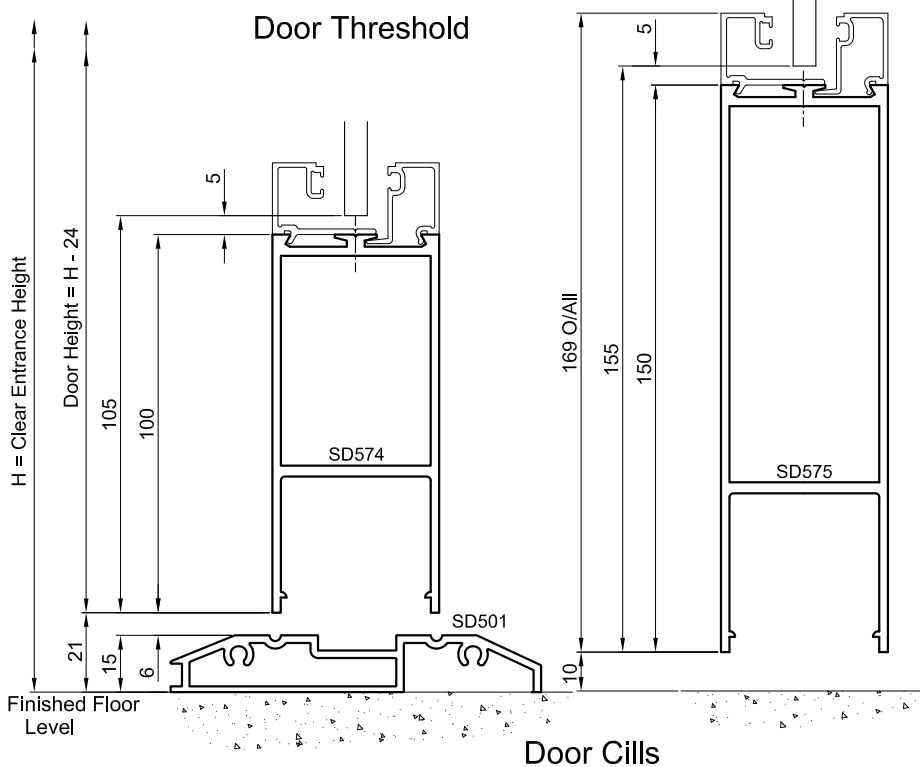
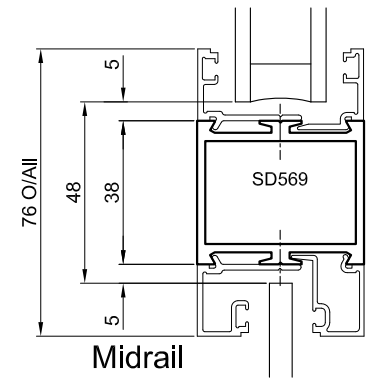
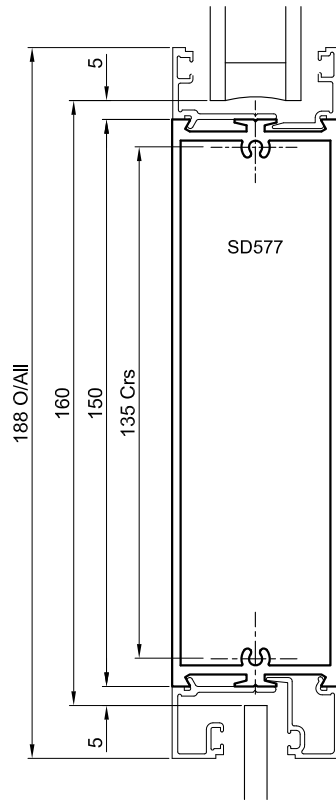
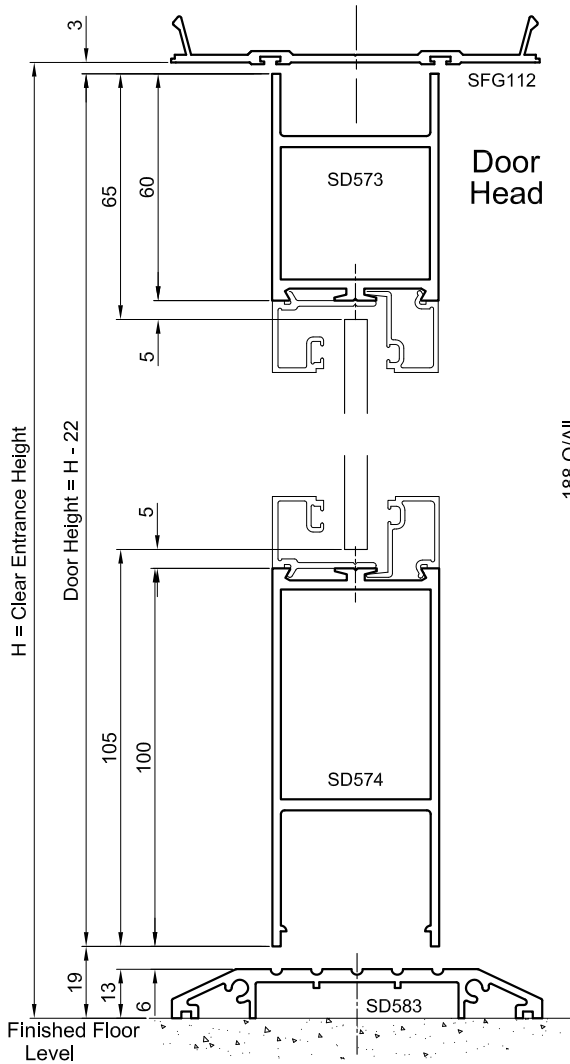


# SFG and SD Series

## Data - Door Vertical Deductions

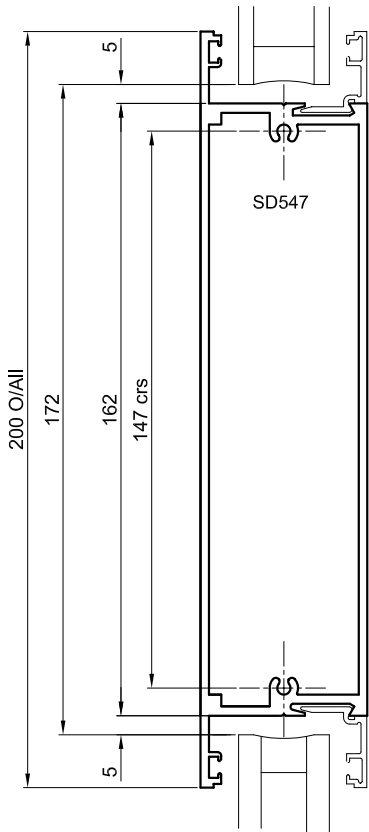
1.D.04

02.12

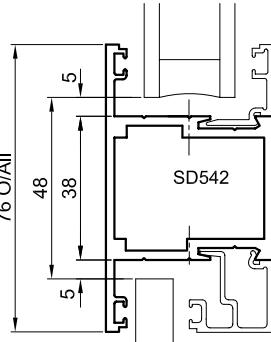


# SFG and SD Series

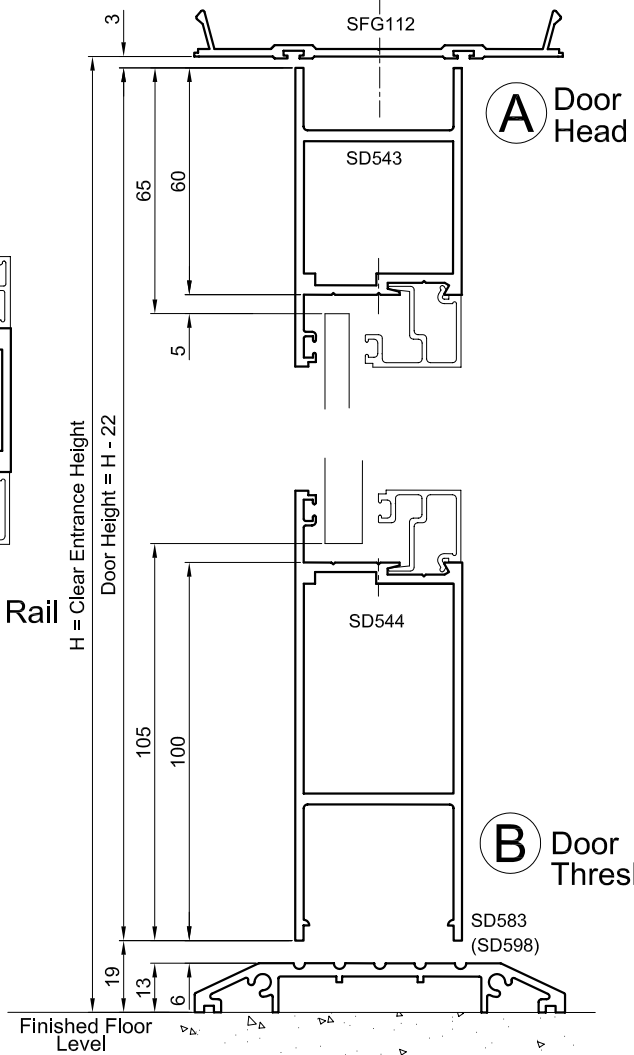
## Data - Deductions for Rebated SD Rails



**C** Deep Midrail



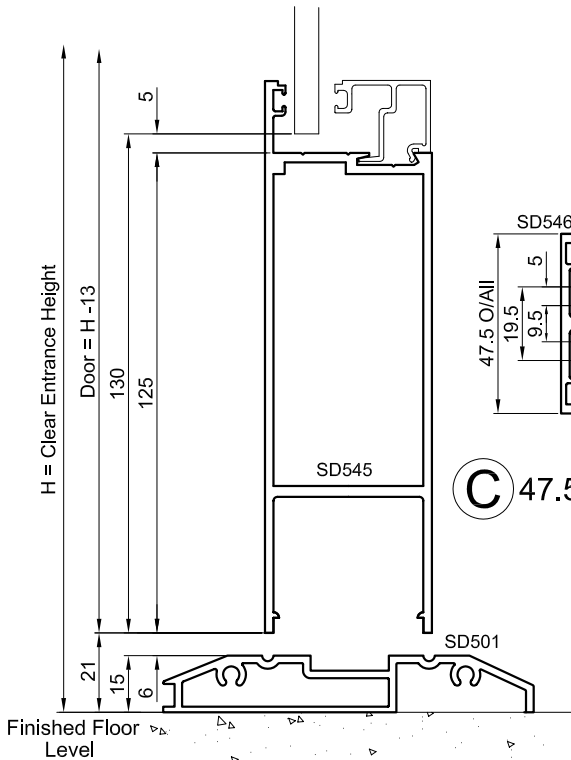
**C** 76mm Mid Rail



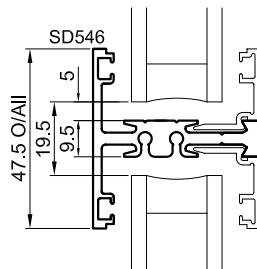
**A** Door Head

**B** Door Threshold

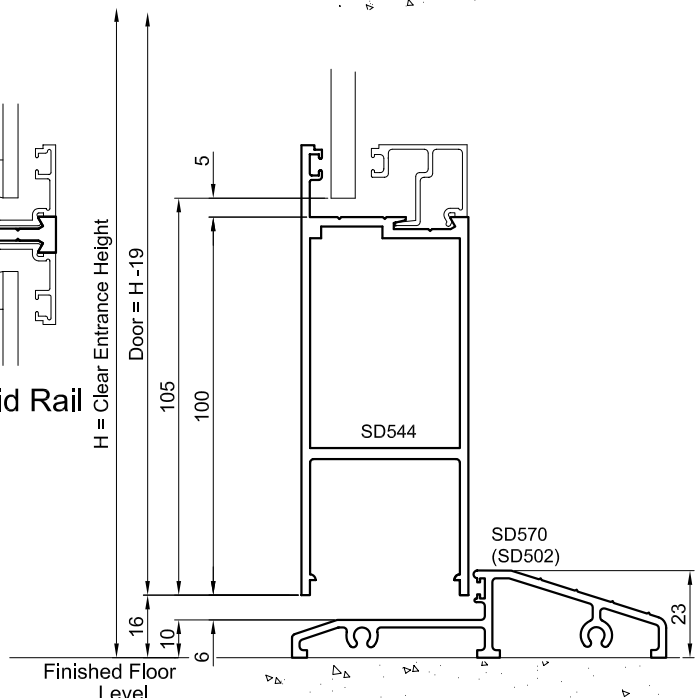
H = Clear Entrance Height  
Door Height = H - 22



**B** Drainage Threshold



**C** 47.5mm Mid Rail



H = Clear Entrance Height  
Door = H - 19

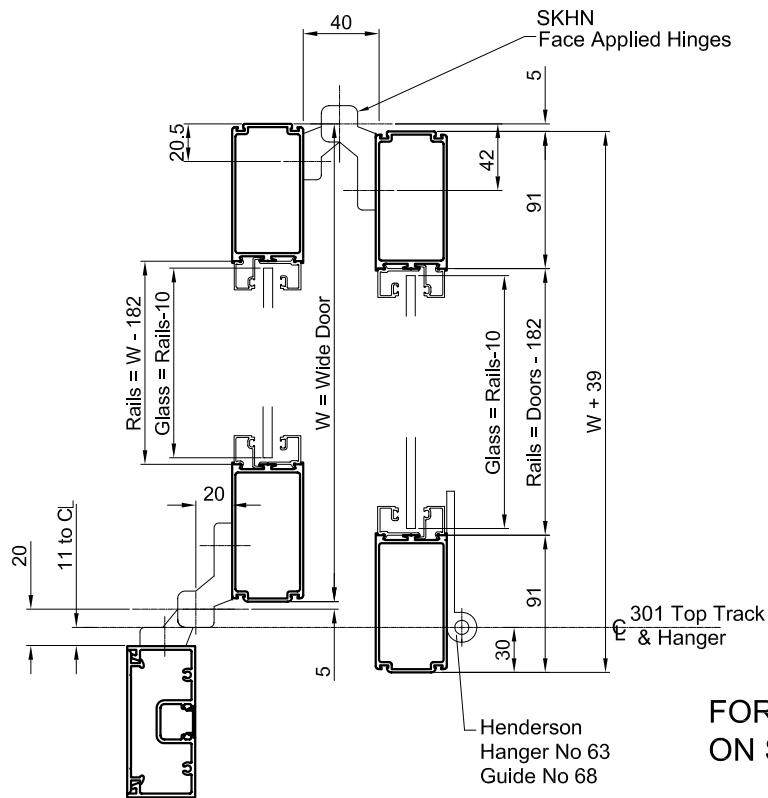
**B** Rebated Threshold

# SFG and SD Series

## Folding Sliding Doors - Horizontal Deductions

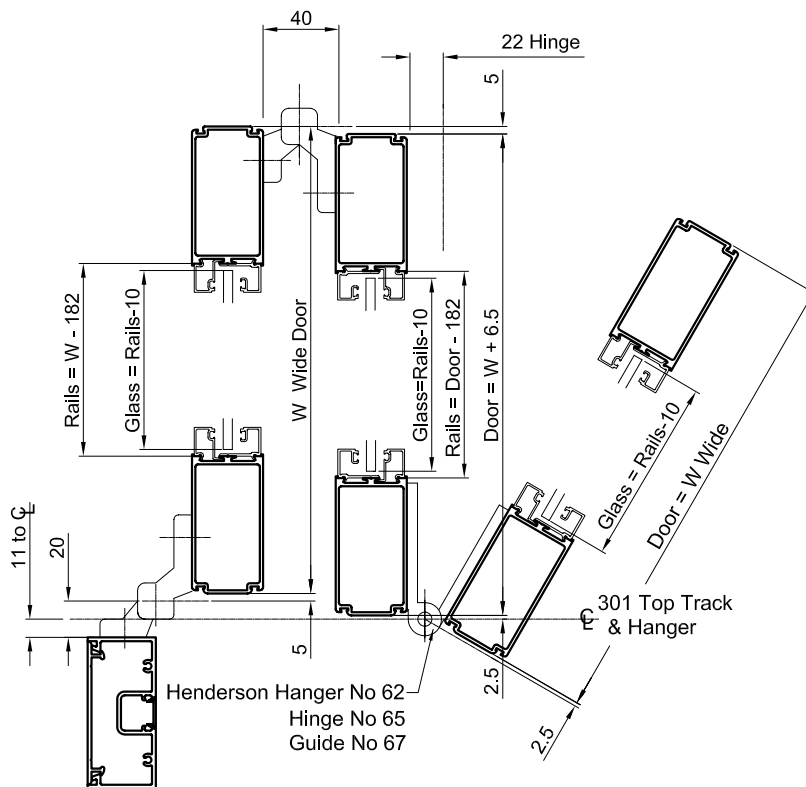
1.D.06

08.06



FOR 'W' SEE CHART  
ON SHEET No 1.D.08

Plan of Sliding Folding Doors with 2 Leaves

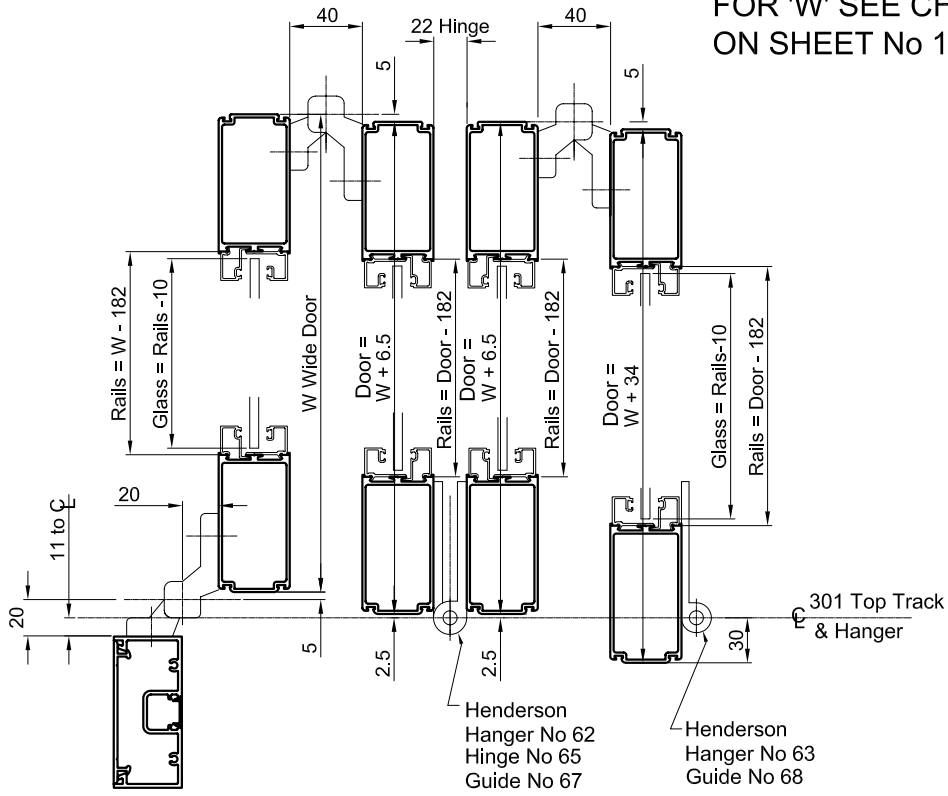


Plan of Sliding Folding Doors with 3 Leaves

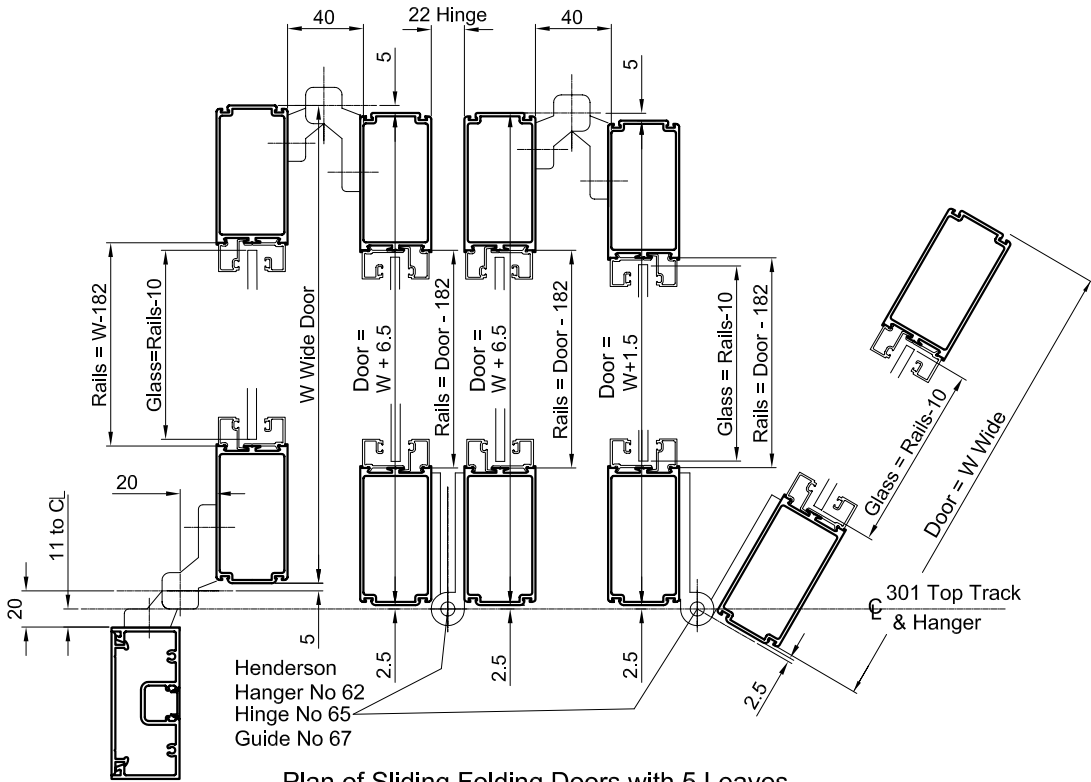
# SFG and SD Series

## Folding Sliding Doors - Horizontal Deductions

FOR 'W' SEE CHART  
ON SHEET No 1.D.08



Plan of Sliding Folding Doors with 4 Leaves



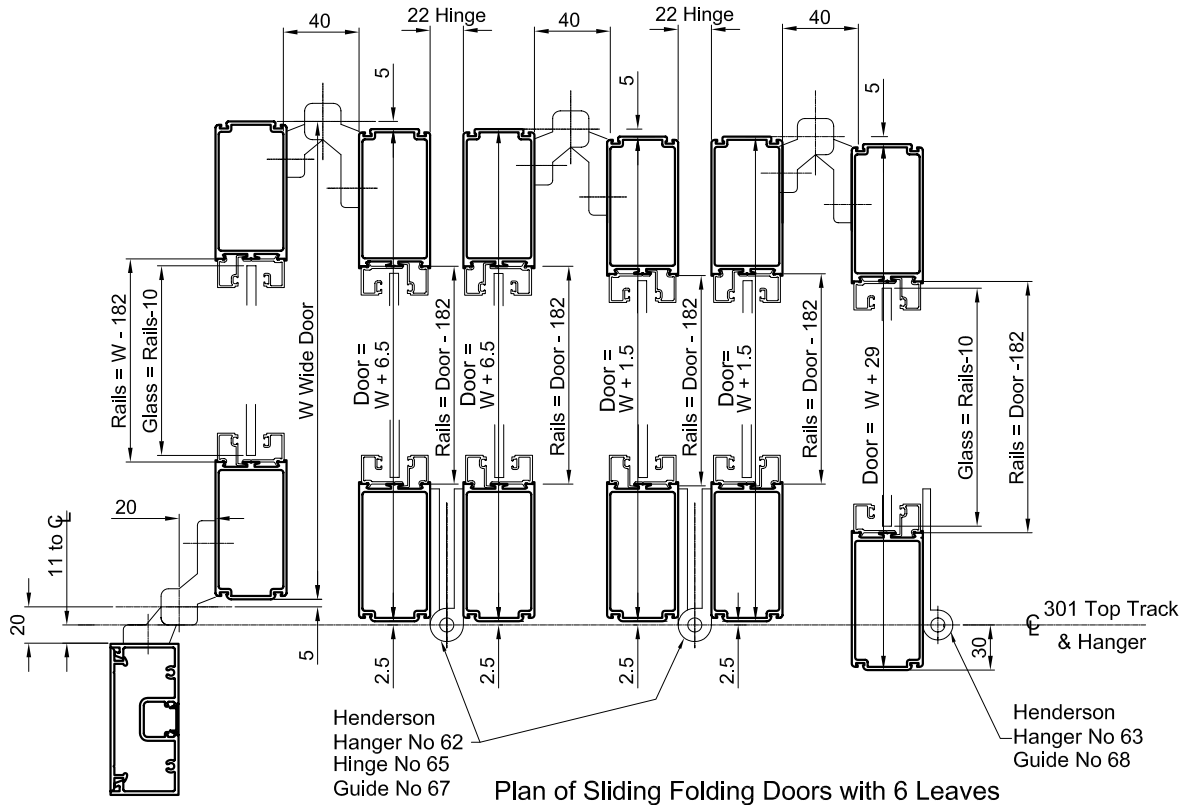
Plan of Sliding Folding Doors with 5 Leaves

# SFG and SD Series

## Folding Sliding Doors - Horizontal Deductions

1.D.08

08.06



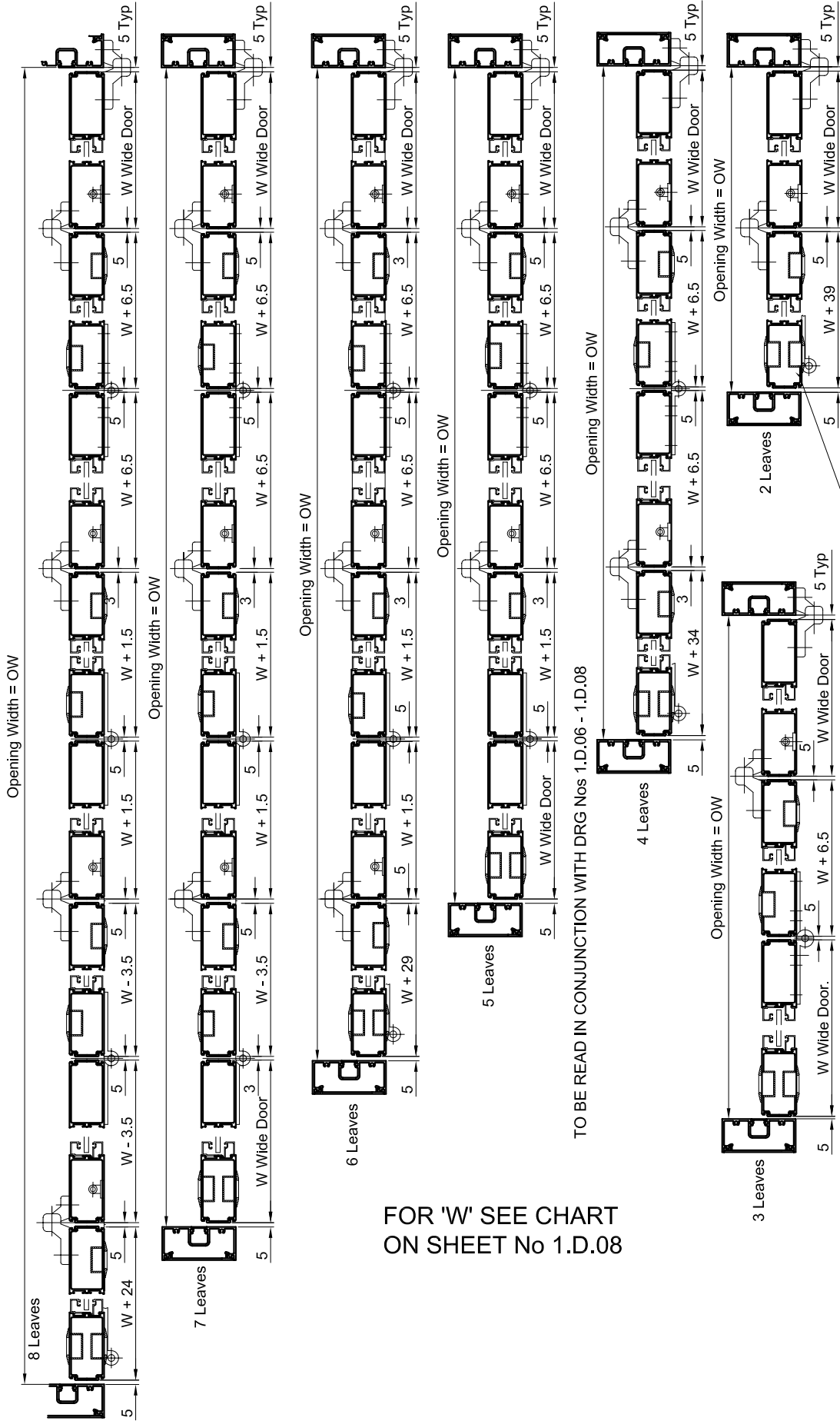
MAXIMUM DOOR LEAF WIDTH = 900mm  
 MINIMUM DOOR LEAF WIDTH = 500mm  
 MAXIMUM DOOR WEIGHT = 55KG  
 MAXIMUM DOOR OPENING HEIGHT = 2500mm  
 MAXIMUM No OF DOOR LEAVES EACH SIDE = 8  
 (AS RECOMMENDED BY GEARING MANUFACTURER  
 NOTE: HOLES FOR HINGES  
 MUST BE MARKED OFF USING  
 SKJIG DRILLING JIG.  
 DOORS SHOWN ARE HINGED LEFT HAND.

NOTE: AFTER DOOR SIZES HAVE BEEN WORKED  
 OUT, PLEASE CHECK OVERALL WIDTH BY ADDING  
 UP ALL DOOR WIDTHS PLUS 5mm CLEARANCES  
 AND THEN ADDING WIDTHS OF END FRAME UNITS  
 & TOLERANCES TO OBTAIN STRUCTURAL OPENING  
 WIDTH REQUIRED,

DOOR WIDTHS FOR SLIDING FOLDING DOORS			
Door Layout	No of Leaves	Opening Width OW	Width W
	2 ONE SIDE	1776 MAX	$\frac{OW - 54}{2}$
	3 ONE SIDE	2707MAX	$\frac{OW - 26.5}{3}$
	4 ONE SIDE	3536 MAX	$\frac{OW - 72}{4}$
	5 ONE SIDE	4512MAX	$\frac{OW - 44.5}{5}$
	6 ONE SIDE	5306 MAX	$\frac{OW - 80}{6}$
	7 ONE SIDE	6315 MAX	$\frac{OW - 52.5}{7}$
	8 ONE SIDE	7086 MAX	$\frac{OW - 78}{8}$
	2 LH 2 RH	3547MAX	$\frac{OW - 103}{4}$
	2 LH 3 RH	4478MAX	$\frac{OW - 75.5}{5}$
	4 LH 3 RH	6238 MAX	$\frac{OW - 93.5}{7}$
	4 LH 4 RH	7067 MAX	$\frac{OW - 139}{8}$
	4 LH 5 RH	8043MAX	$\frac{OW - 111.5}{9}$
	6 LH 5 RH	9813MAX	$\frac{OW - 119.5}{11}$
	6 LH 6 RH	10607 MAX	$\frac{OW - 155}{12}$
	8 LH 7 RH	13396MAX	$\frac{OW - 125.5}{15}$
	8 LH 8 RH	14167MAX	$\frac{OW - 151}{16}$

# SFG and SD Series

## Folding Sliding Doors - Horizontal Deductions



TO BE READ IN CONJUNCTION WITH DRG Nos 1.D.06 - 1.D.08

FOR 'W' SEE CHART ON SHEET No 1.D.08

IN ALL END LOCKING STILES:  
ADAMS RITE HOOK LOCK

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# 1.D.11

06.09

# SFG and SD Series

## Folding Sliding Vistafold - Horizontal Deductions

RECOMMENDED MAXIMUM 5 DOORS  
HINGED TOGETHER TO THE FRAME

MAX MASS PER DOOR LEAF : 60 kg

MAXIMUM DOOR WIDTH : 900 mm

MINIMUM DOOR WIDTH : 500 mm

DOOR PANEL WIDTH = W

GLASS WIDTH = W - 115

DOOR RAILS = W - 105

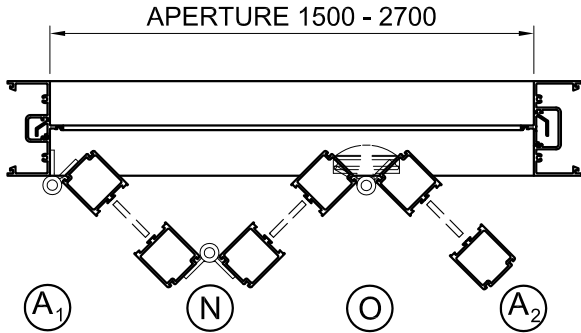
SPA107 TRACK MAY BE CUT FULL

APERTURE WIDTH LEAVING 50mm EACH

END FOR DRAINAGE. FILL WITH SPA108

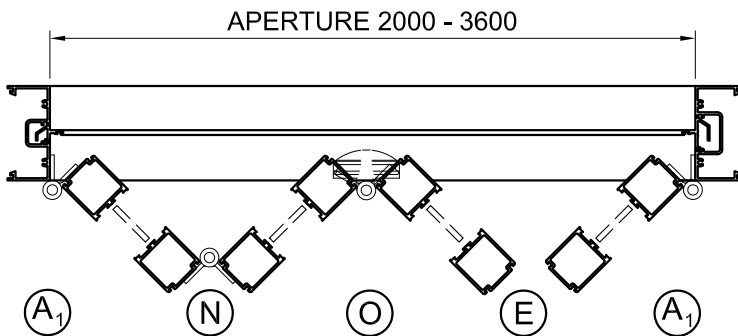
FOR INWARD OPENING DOOR CUT TRACK

AT FULL APERTURE WIDTH



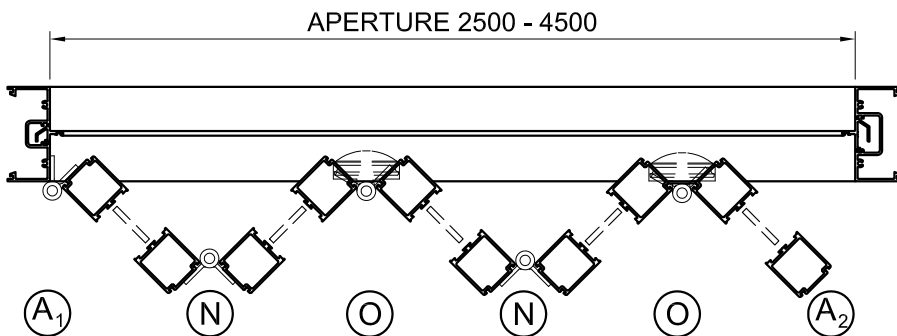
$$W = \frac{\text{APERTURE} - 29}{3}$$

SPA107 TRACK = 2 X W



$$W = \frac{\text{APERTURE} - 36}{4}$$

SPA107 TRACK = 2 X W



$$W = \frac{\text{APERTURE} - 45}{5}$$

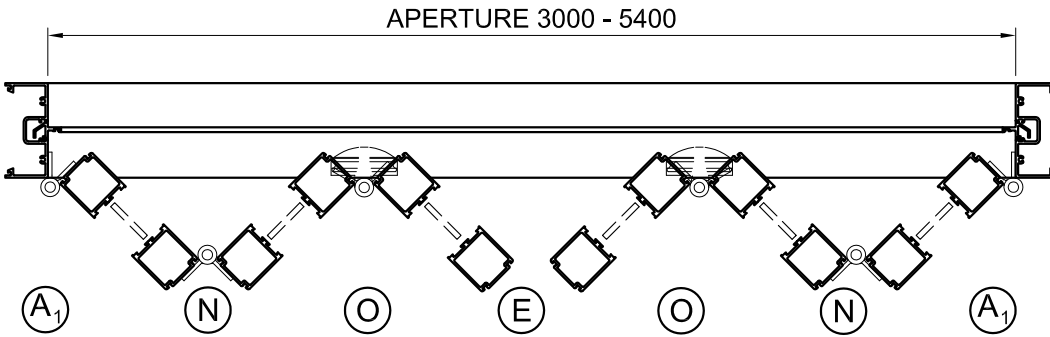
SPA107 TRACK = 4 X W

# SFG and SD Series

1.D.12

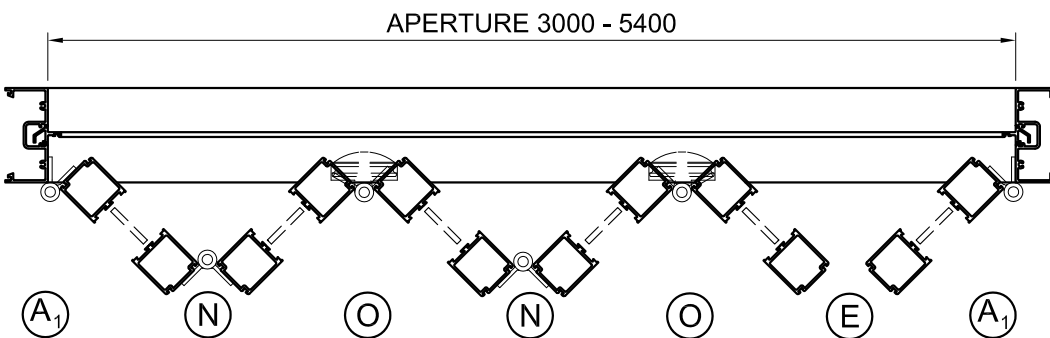
## Folding Sliding Vistafold - Horizontal Deductions

06.09



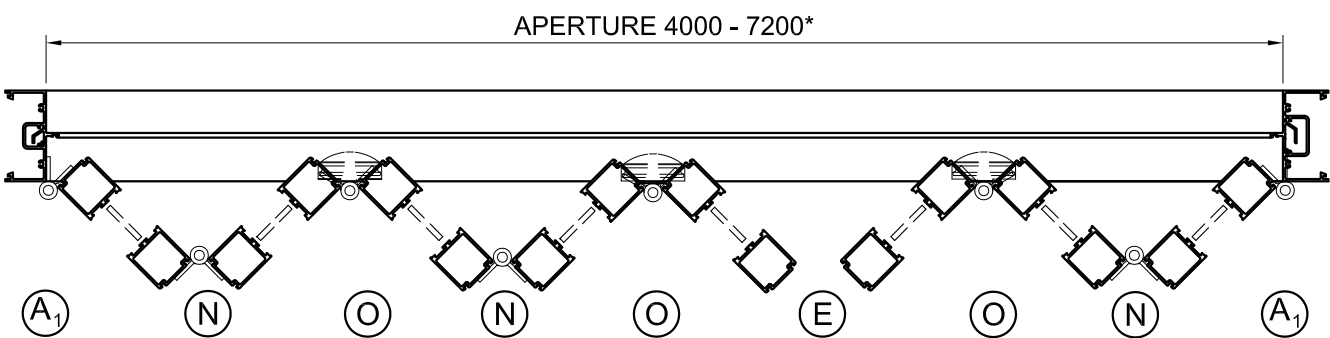
$$W = \frac{\text{APERTURE} - 52}{6}$$

SPA107 TRACK = 2 X W (2 PIECES - 1 EACH END)



$$W = \frac{\text{APERTURE} - 52}{6}$$

SPA107 TRACK = 4 X W



$$W = \frac{\text{APERTURE} - 68}{8}$$

SPA107 TRACK = 4 X W  
SPA107 TRACK = 2 X W

\*NOTE - MAX RECOMMENDED WIDTH 6000

# 1.D.13

# SFG and SD Series

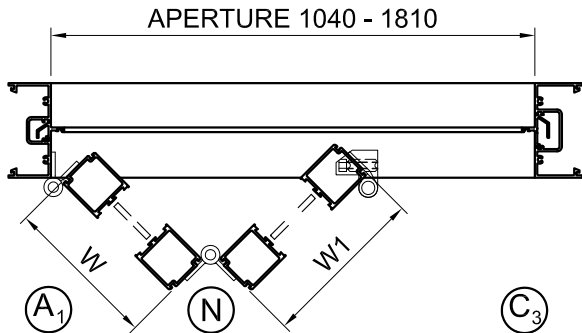
## 05.11 Folding Sliding Vistafold/Vista Duo+ Combo - Horizontal Deductions

RECOMMENDED MAXIMUM 4 DOORS  
HINGED TOGETHER TO THE FRAME

MAX MASS PER DOOR LEAF : 60 kg  
 MAXIMUM DOOR WIDTH W : 885mm  
 MAXIMUM DOOR WIDTH W1 : 900mm  
 MINIMUM DOOR WIDTH W : 500mm  
 MINIMUM DOOR WIDTH W1 : 515mm

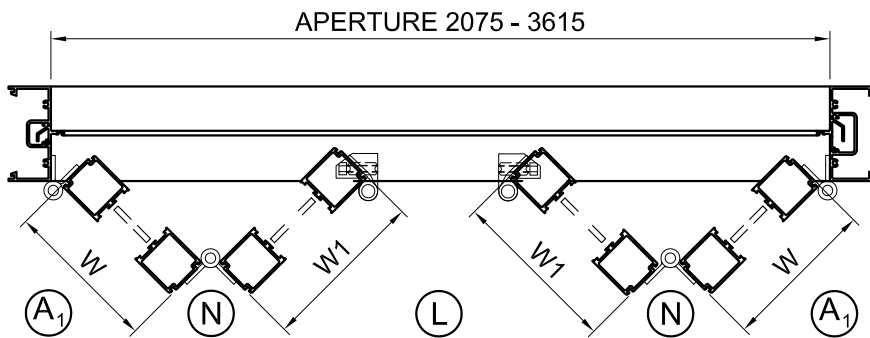
DOOR PANEL WIDTH = W or W1  
 GLASS WIDTH = W - 115  
 DOOR RAILS = W - 105  
 SPA107 TRACK TO BE CUT FULL  
 APERTURE WIDTH LEAVING 50mm AT STACK  
 END(S) FOR DRAINAGE. FILL WITH SPA108  
 FOR INWARD OPENING DOOR CUT TRACK  
 AT FULL APERTURE WIDTH

IMPORTANT NOTE:  
 DOOR PANEL WIDTH W1 MUST BE 15mm  
 WIDER THAN DOOR PANEL WIDTH W



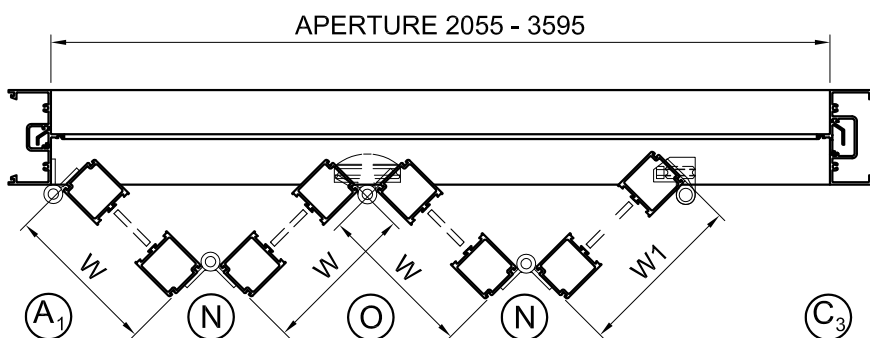
$$W = \frac{\text{APERTURE} - 37}{2}$$

$$W1 = W + 15$$



$$W = \frac{\text{APERTURE} - 72}{4}$$

$$W1 = W + 15$$



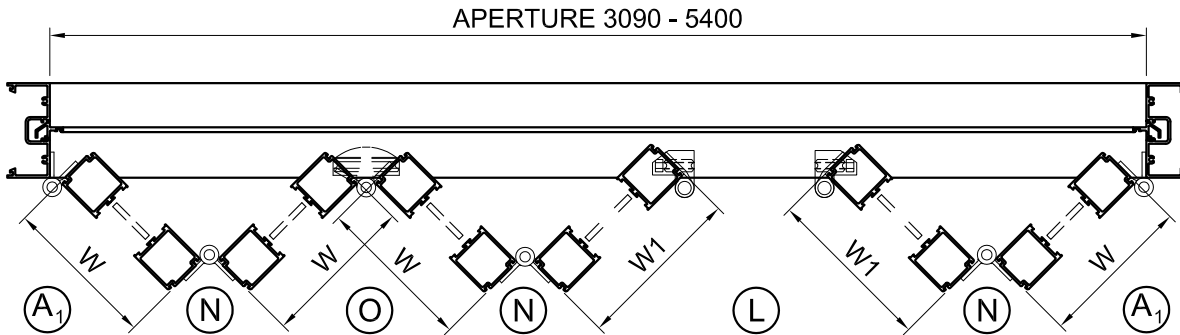
$$W = \frac{\text{APERTURE} - 53}{4}$$

$$W1 = W + 15$$

# SFG and SD Series

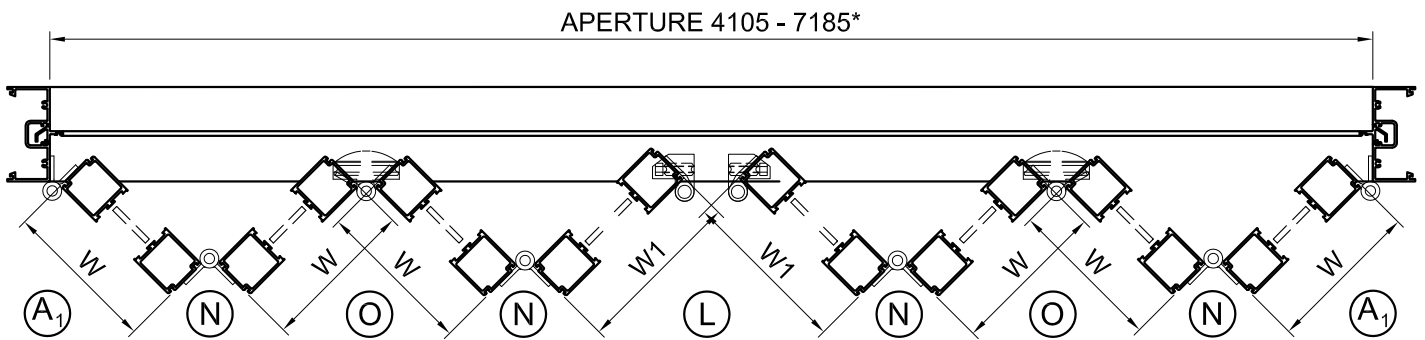
1.D.14

Folding Sliding Vistafold/Vista Duo+ Combo - Horizontal Deductions <sup>05.11</sup>



$$W = \frac{\text{APERTURE} - 88}{6}$$

$$W1 = W + 15$$



$$W = \frac{\text{APERTURE} - 104}{8}$$

$$W1 = W + 15$$

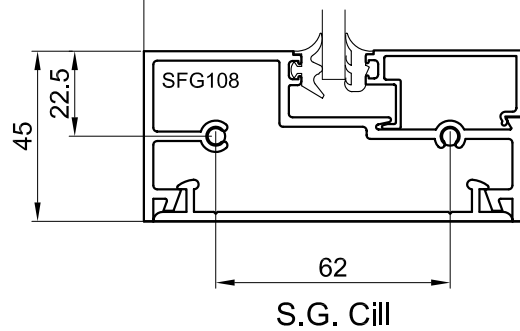
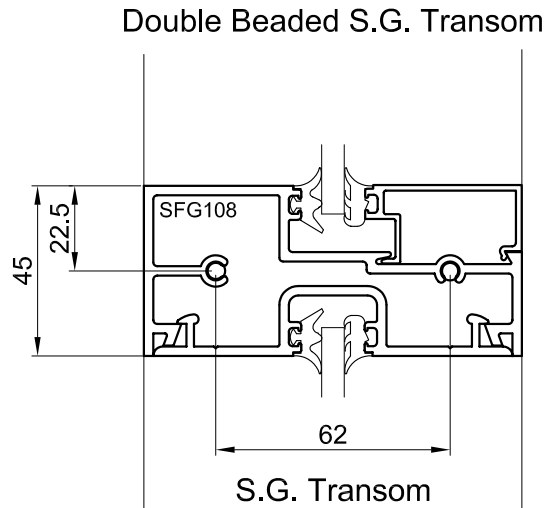
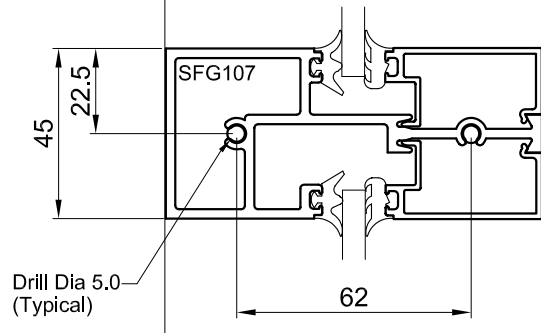
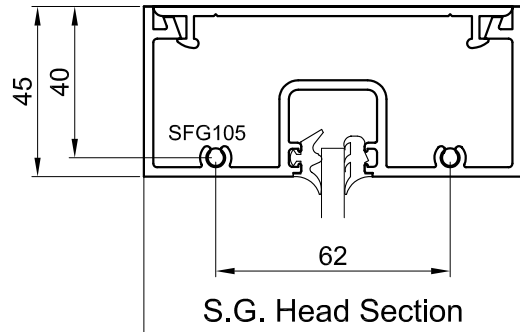
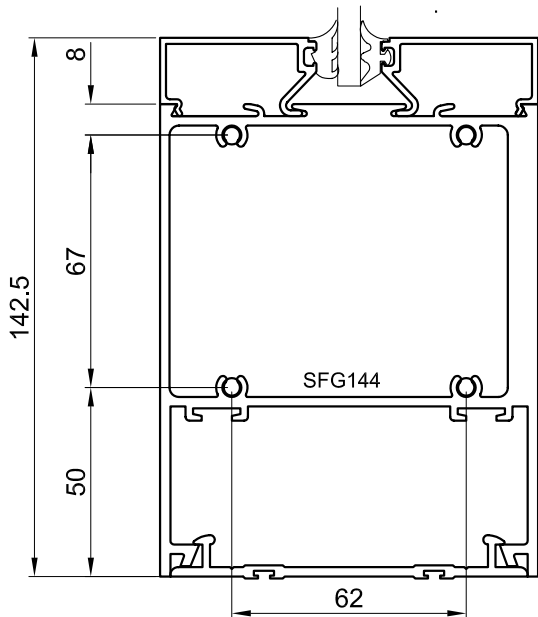
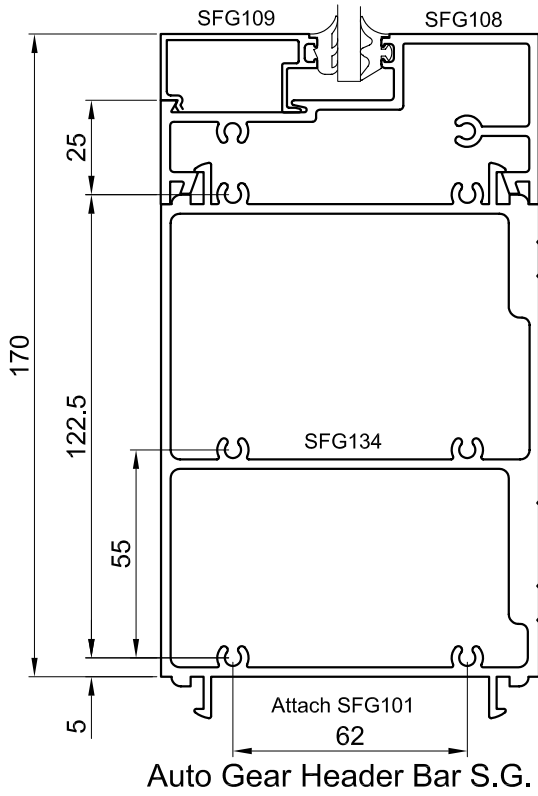
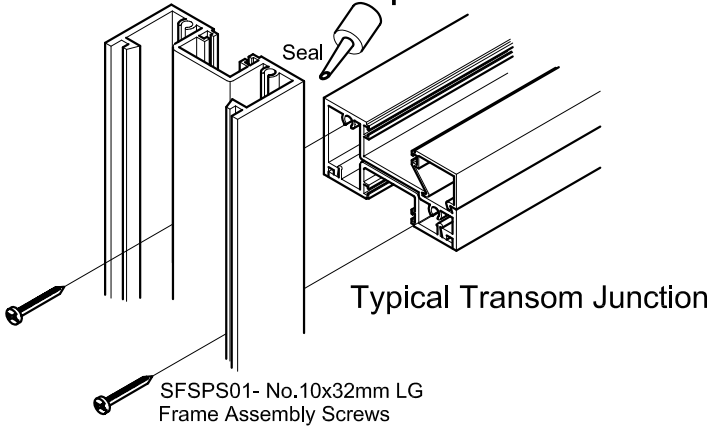
\*NOTE - MAX RECOMMENDED WIDTH 6000

# 1.E.101

08.06

# SFG and SD Series

## Preparation Details - Single Glaze Frame Drilling Details

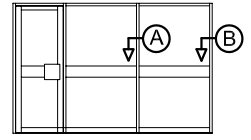


# SFG and SD Series

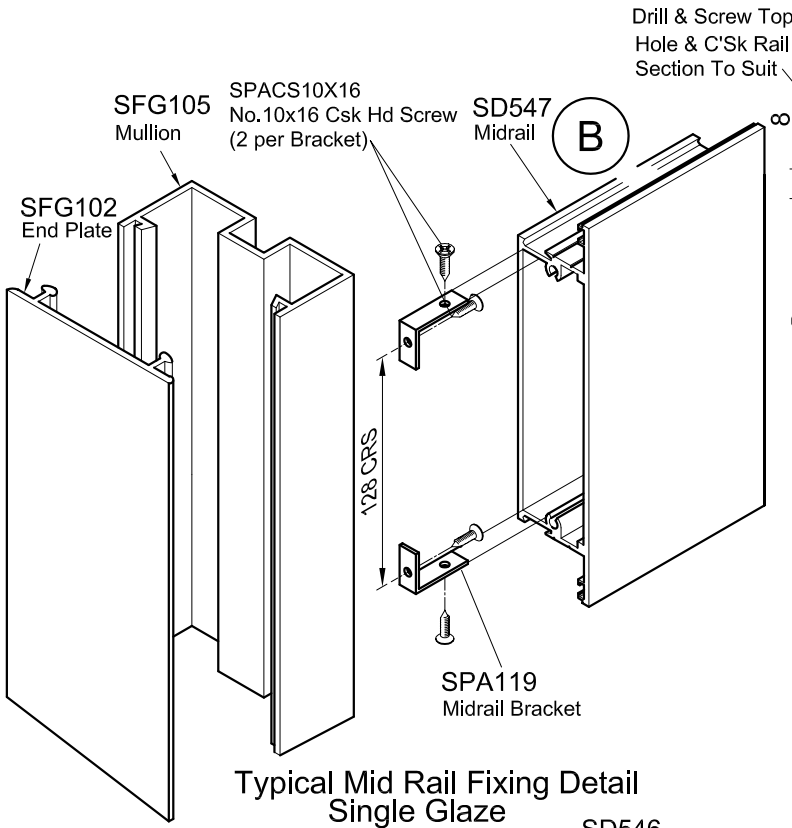
1.E.102

## Preparation Details - SD546 Mid Rail

08.06

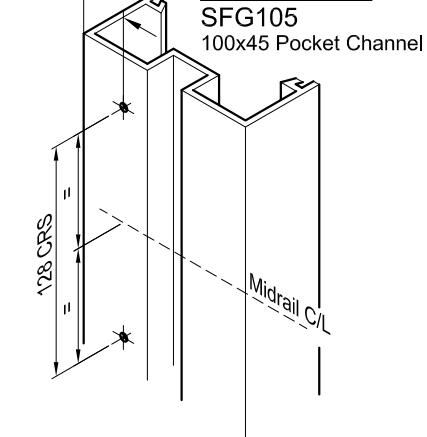
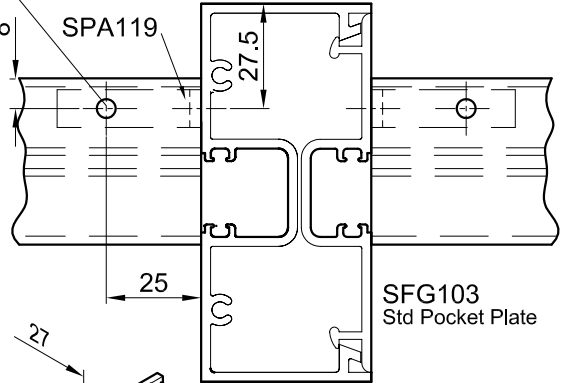


Typical Elevation



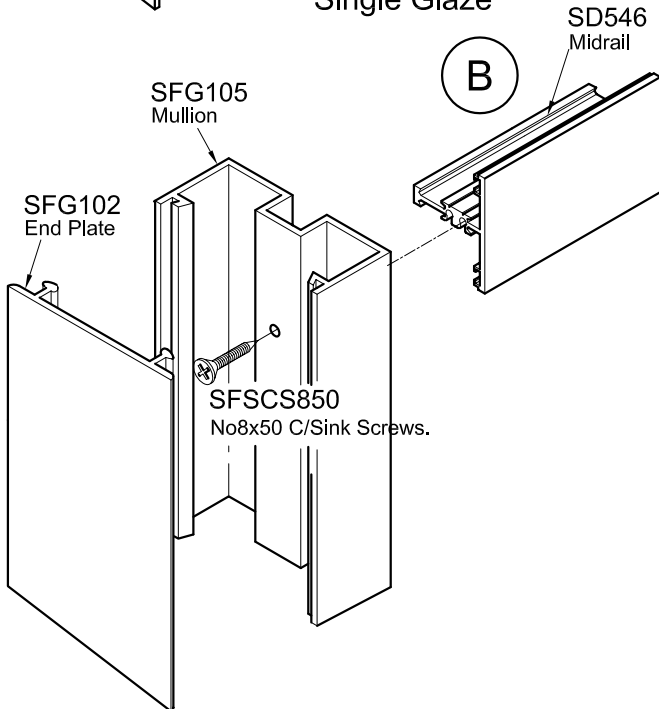
Typical Mid Rail Fixing Detail  
Single Glaze

Drill & Screw Top  
Hole & C'Sk Rail  
Section To Suit

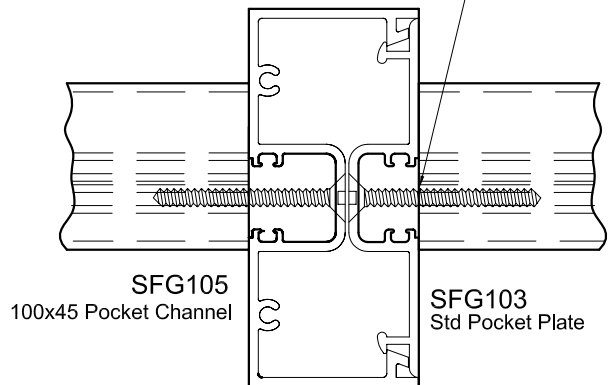


Please Note:  
Bead Must Be Trimmed When  
Using SPA119 With SD546

Note: Use SFSCS850 when using  
SFG125 & SFG123 Mullion.  
(No 8 x 50 Long C/Sink S/T Screws)



Typical Mid Rail Fixing Detail  
Single Glazed

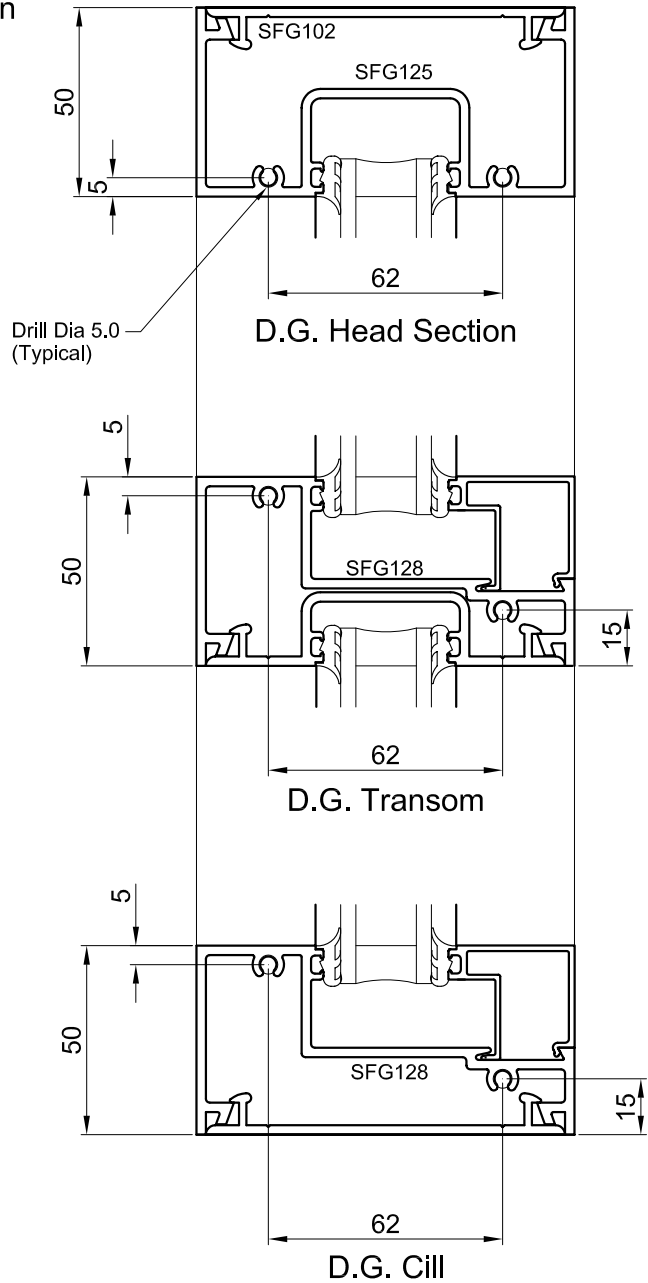
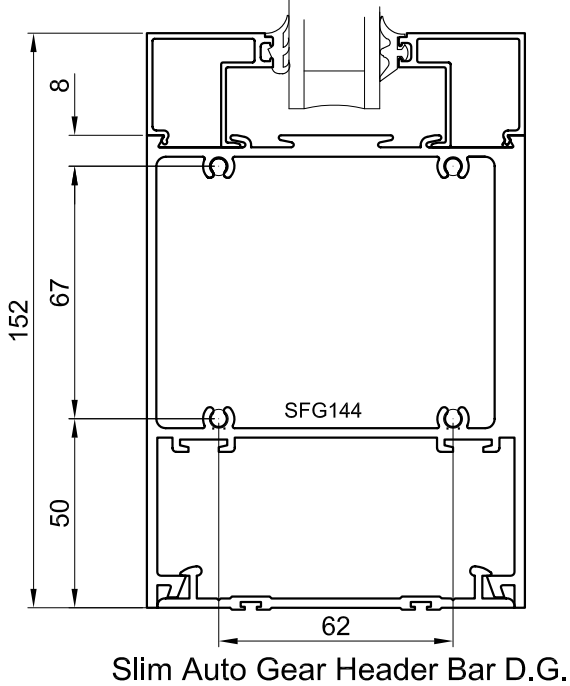
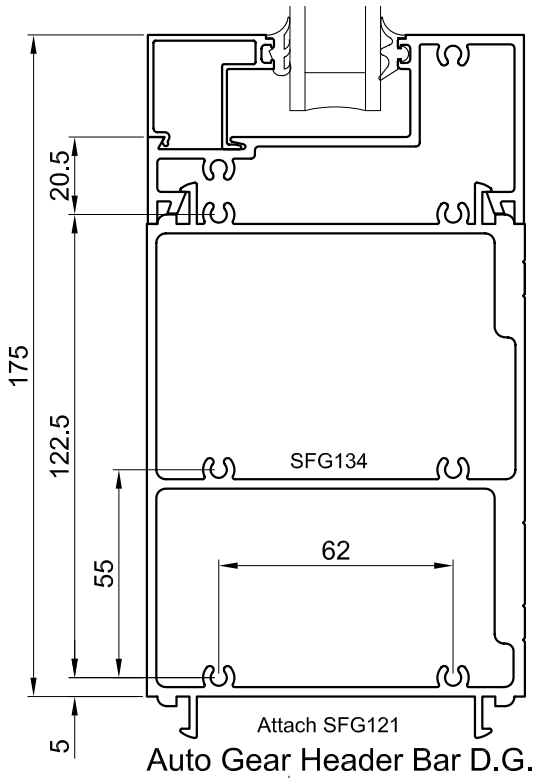
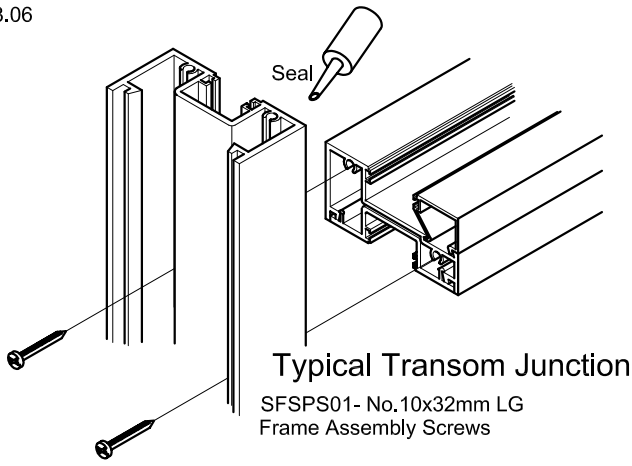


1.E.201

08.06

# SFG and SD Series

## Preparation Details - Frame Drilling

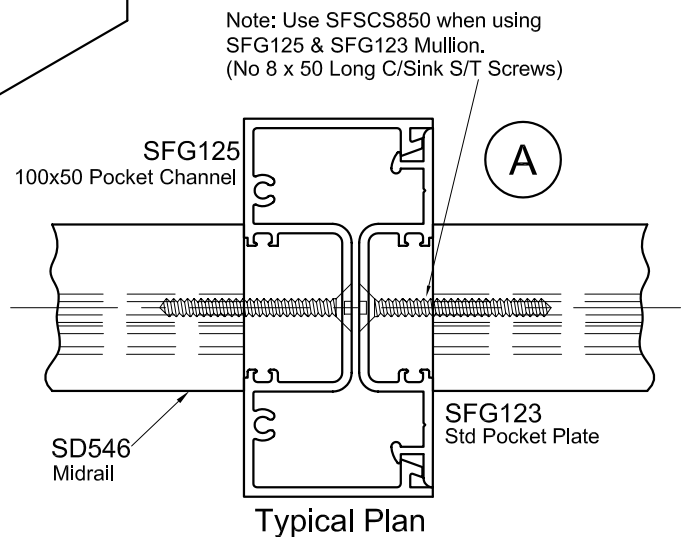
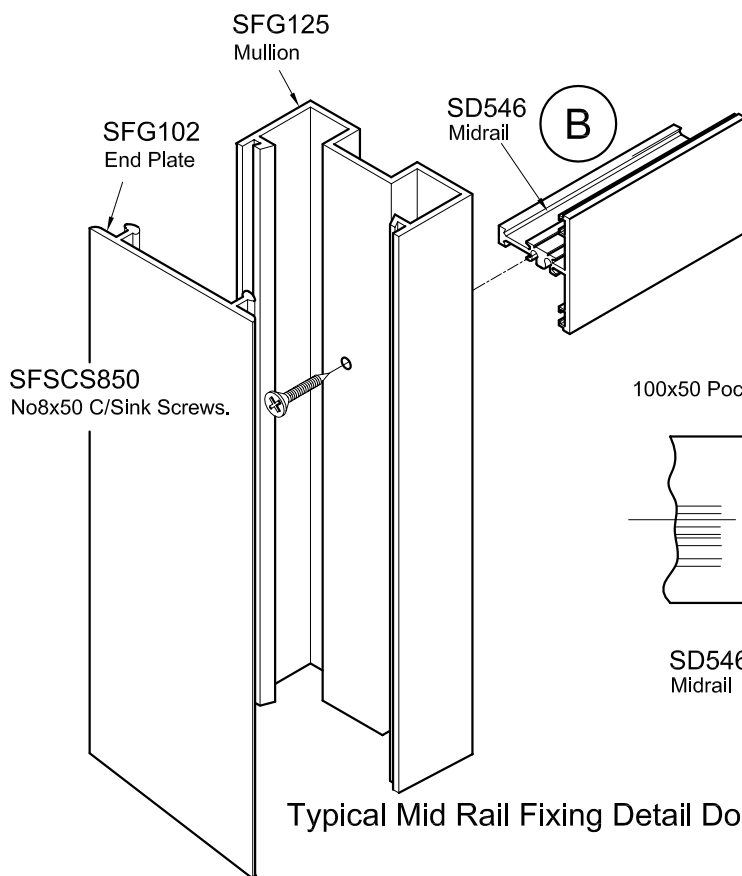
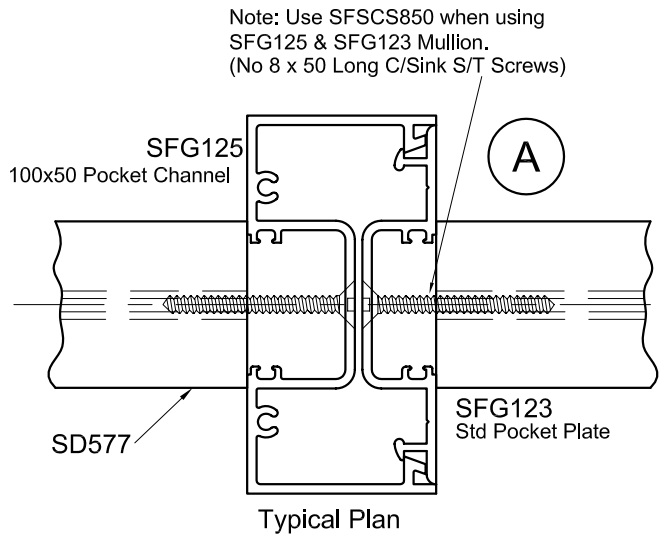
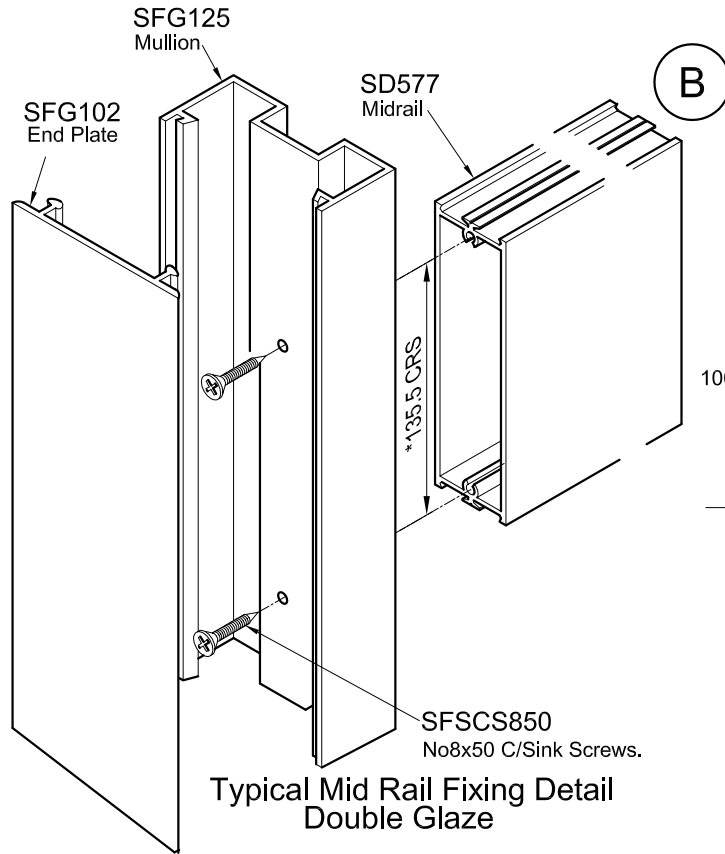


# SFG and SD Series

1.E.202

## Preparation Details - Double Glaze Midrails

08.06

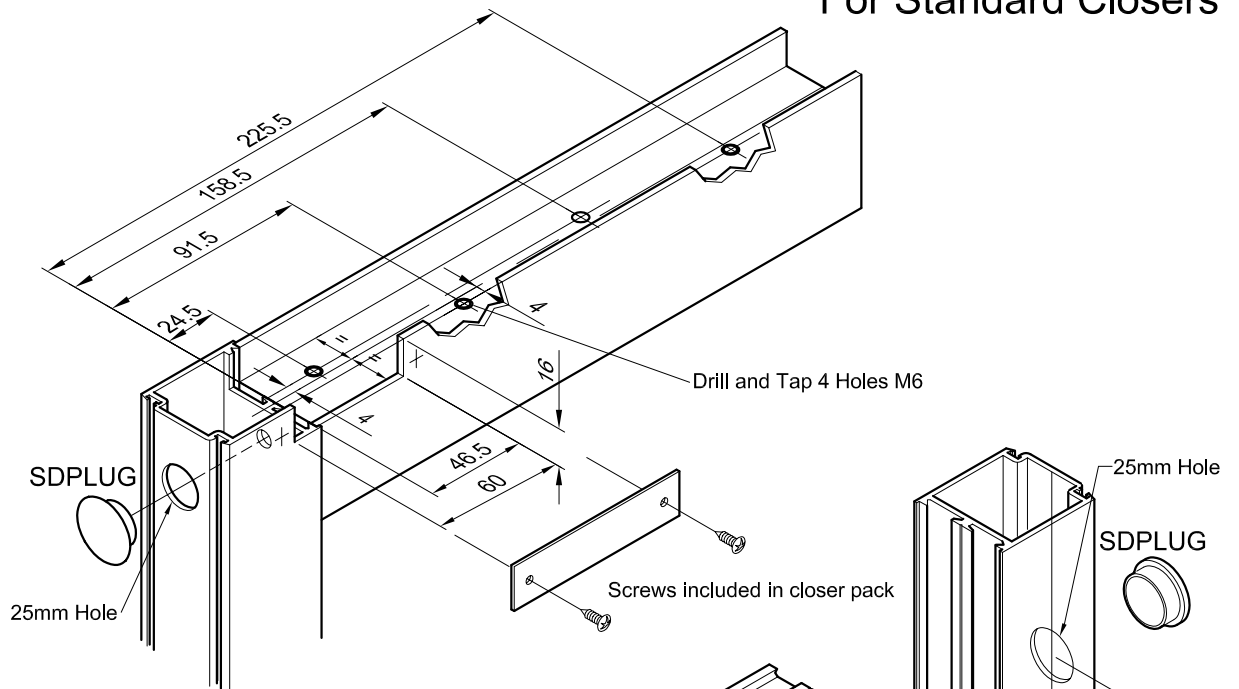


1.E.301

08.06

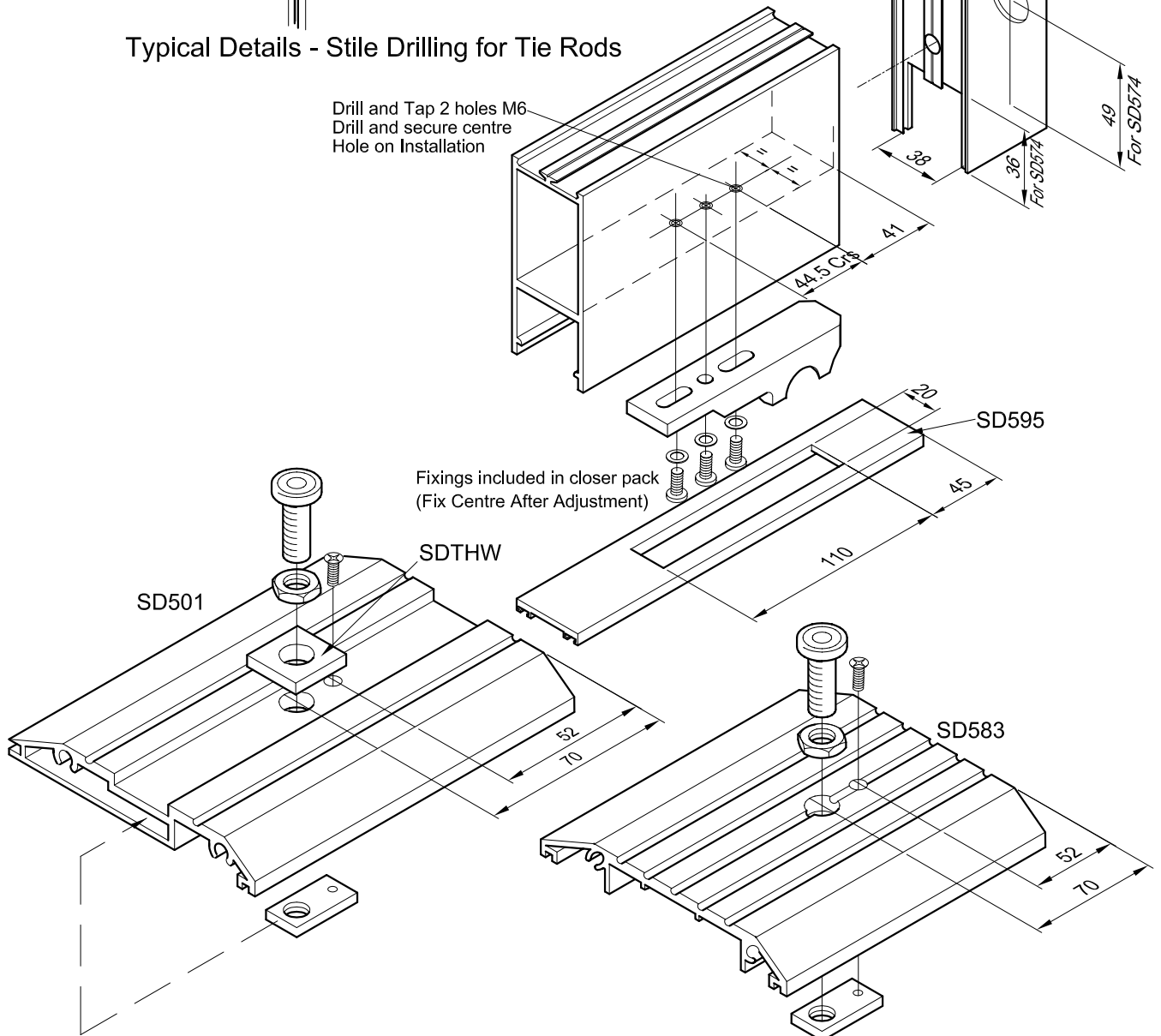
# SFG and SD Series

## Preparation Details - Door Top & Bottom Rails For Standard Closers



### Typical Details - Stile Drilling for Tie Rods

Drill and Tap 2 holes M6  
Drill and secure centre  
Hole on Installation

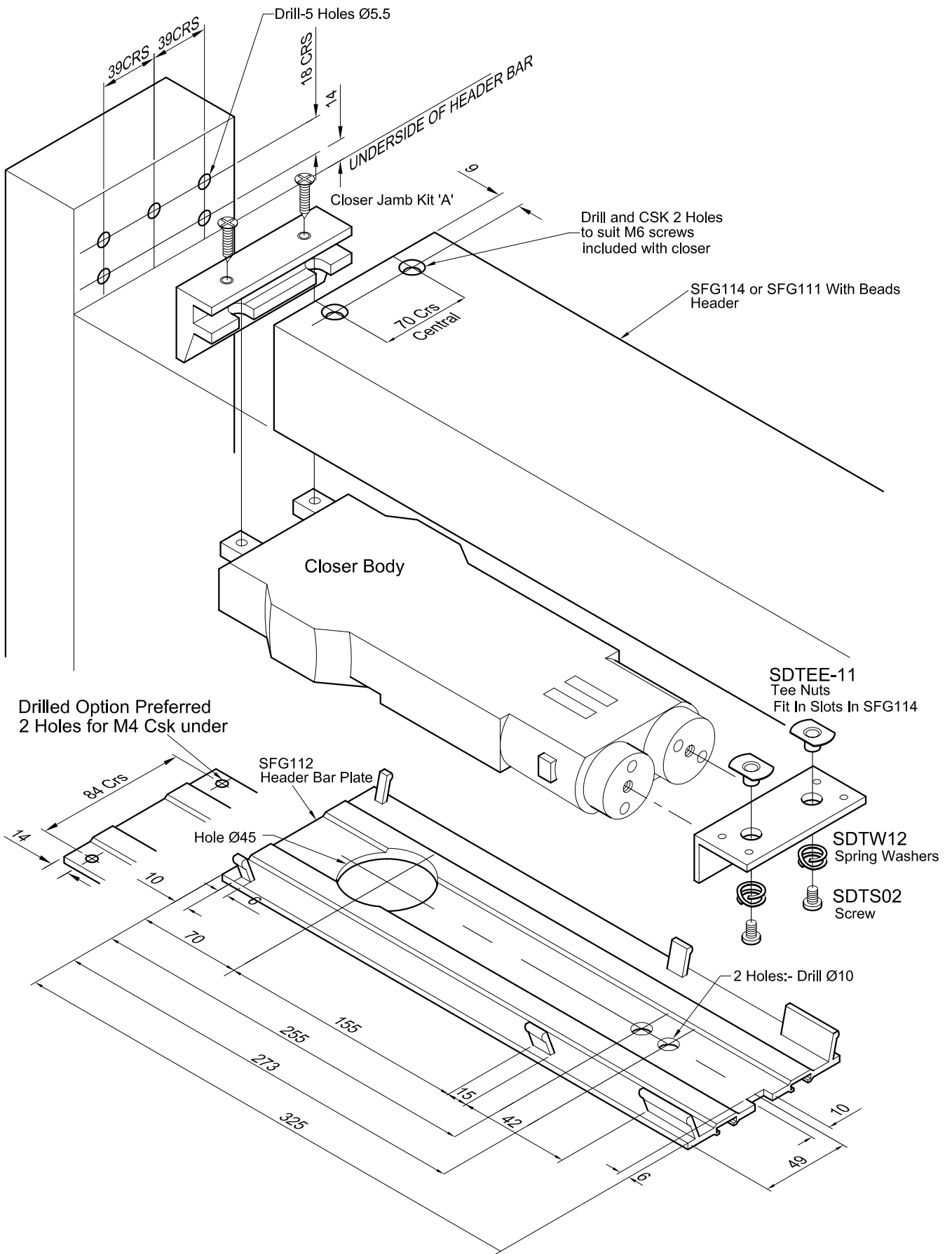


# SFG and SD Series

1.E.302

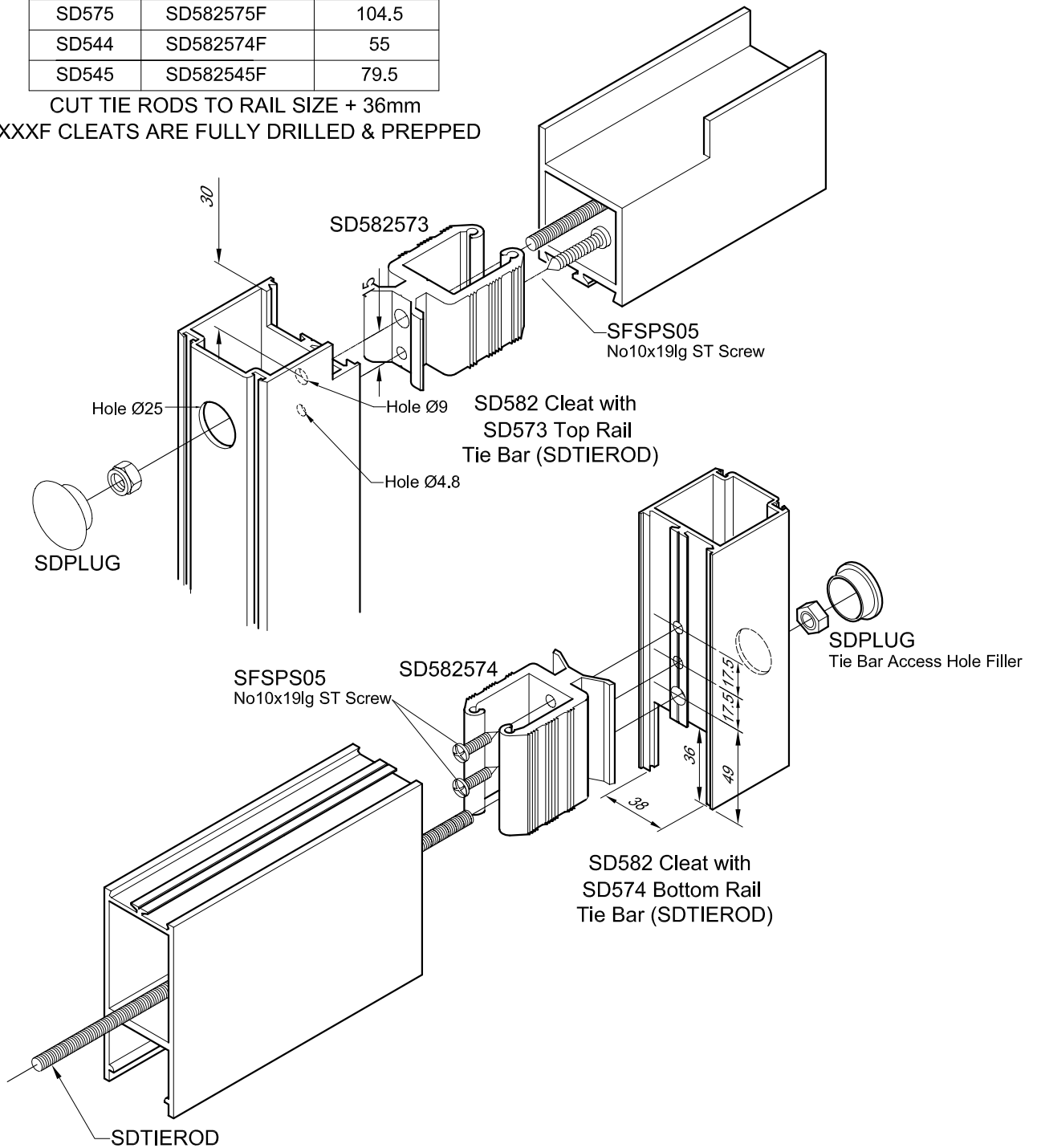
## Preparation Details - Header Bar Standard Closer Details

08.06



SECTION	CLEAT	LENGTH
SD573	SD582573F	34.5
SD543	SD582573F	34.5
SD574	SD582574F	55
SD575	SD582575F	104.5
SD544	SD582574F	55
SD545	SD582545F	79.5

CUT TIE RODS TO RAIL SIZE + 36mm  
 SD582XXXF CLEATS ARE FULLY DRILLED & PREPPED



# SFG and SD Series

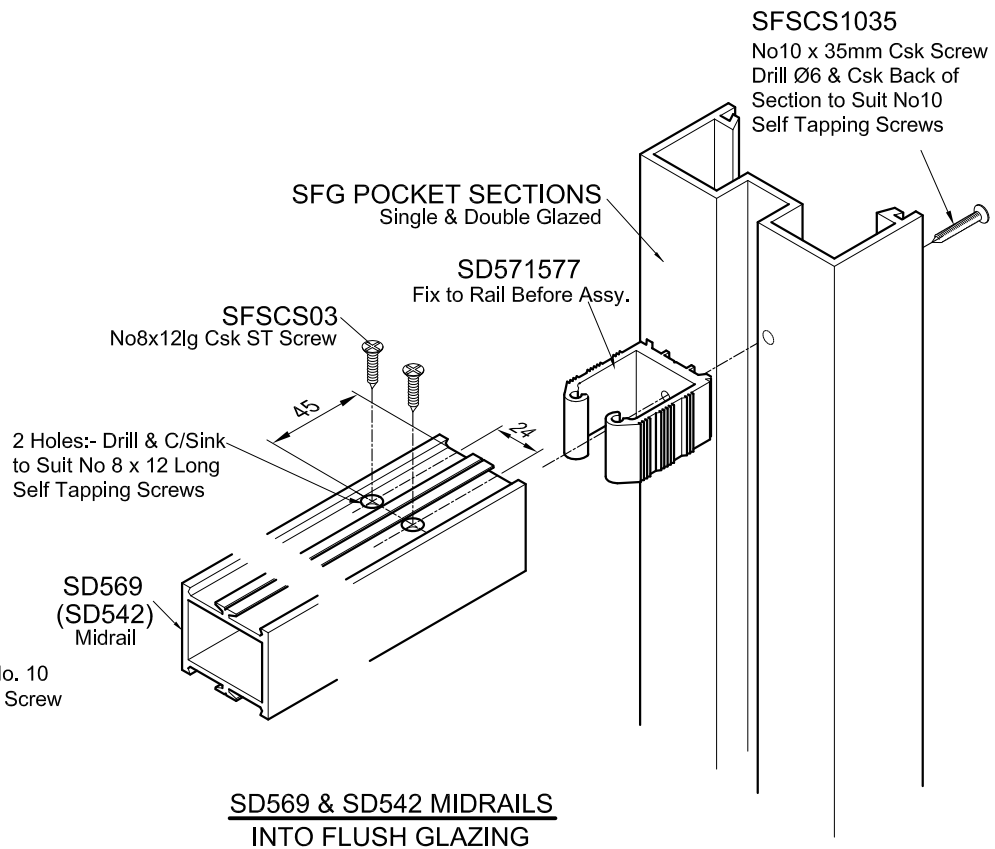
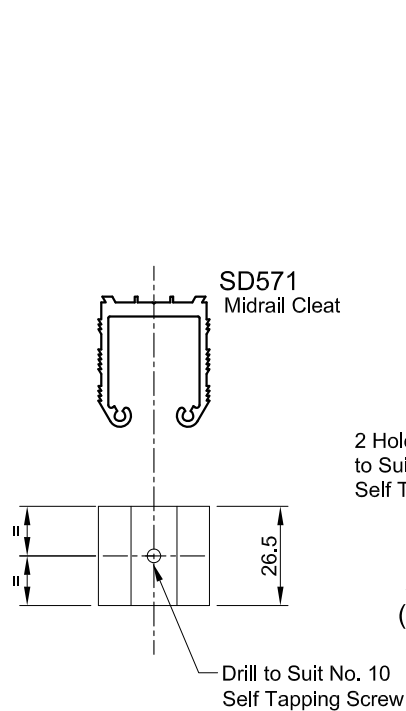
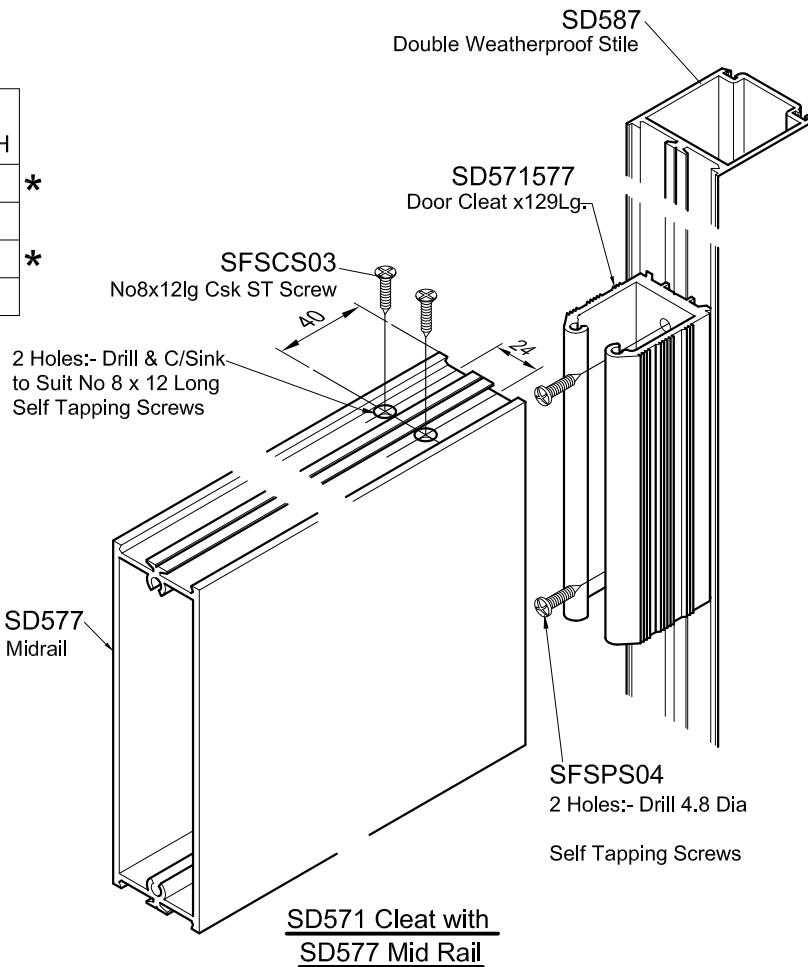
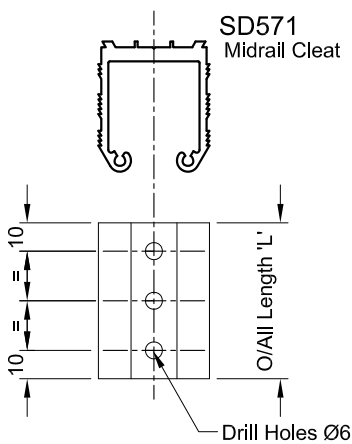
1.E.304

## Preparation Details - Cleat Hole Centres & Mid Rails

02.12

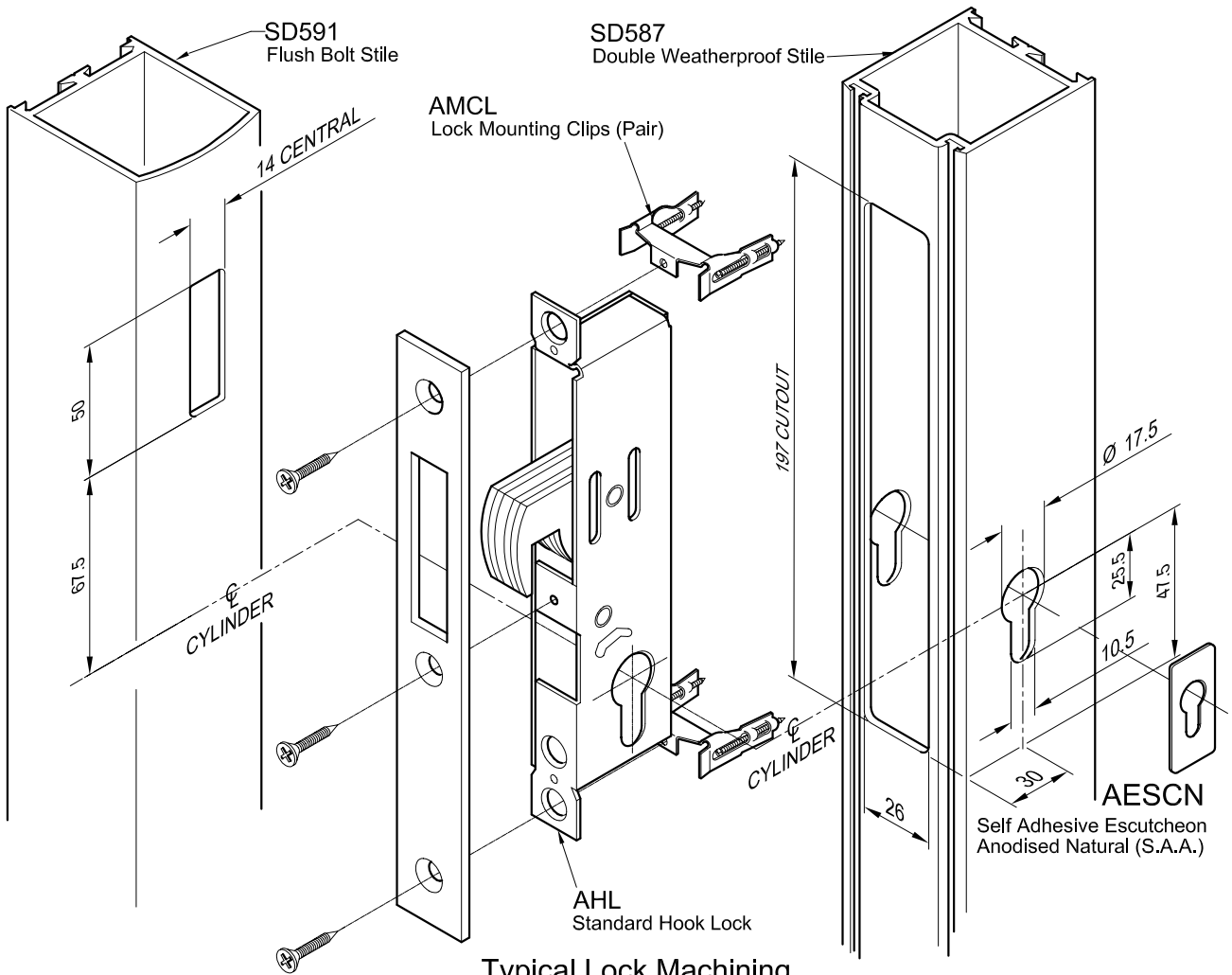
SECTION	CLEAT	LENGTH	
SD569	SD571569	26.5	*
SD577	SD571577	129	
SD542	SD571569	26.5	*
SD547	SD571547	140	

\* Centre Holes Only Required

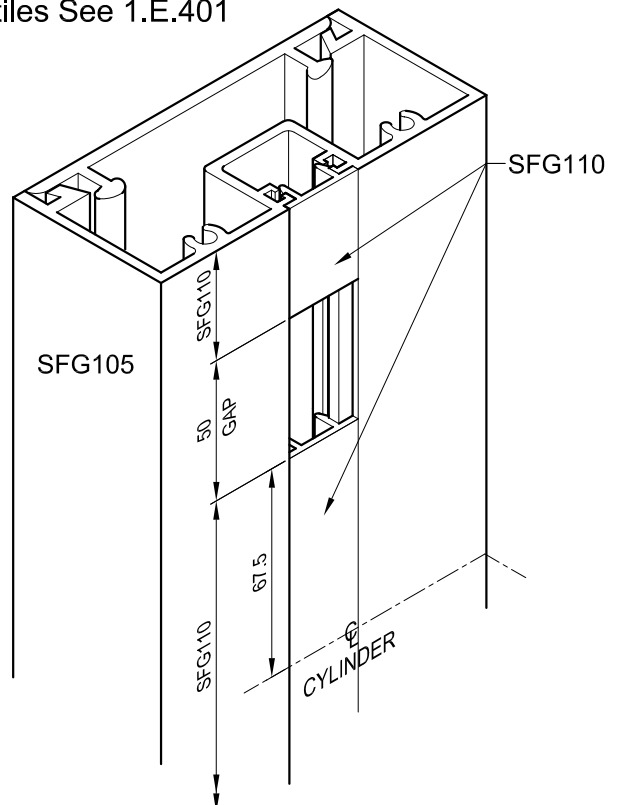
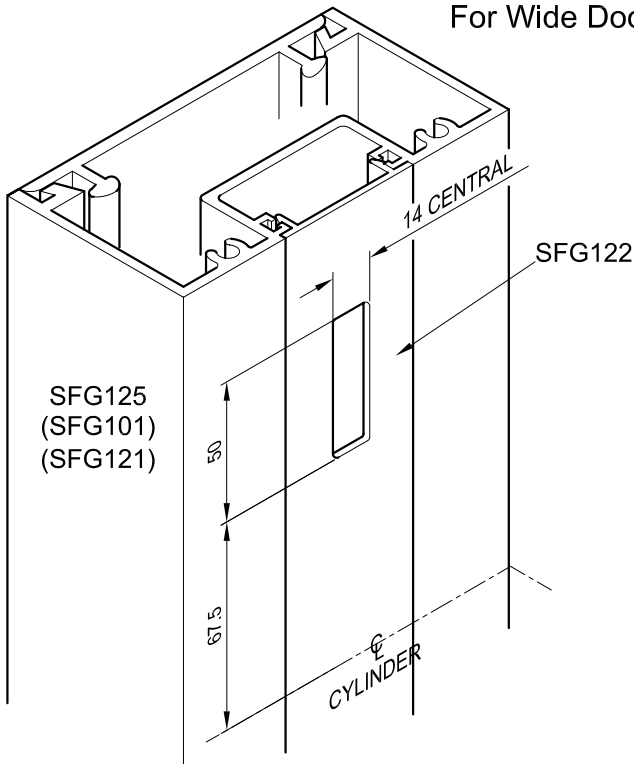


# SFG and SD Series

## Preparation Details - Lock and Shoot Cut-outs



Typical Lock Machining  
For Wide Door Stiles See 1.E.401



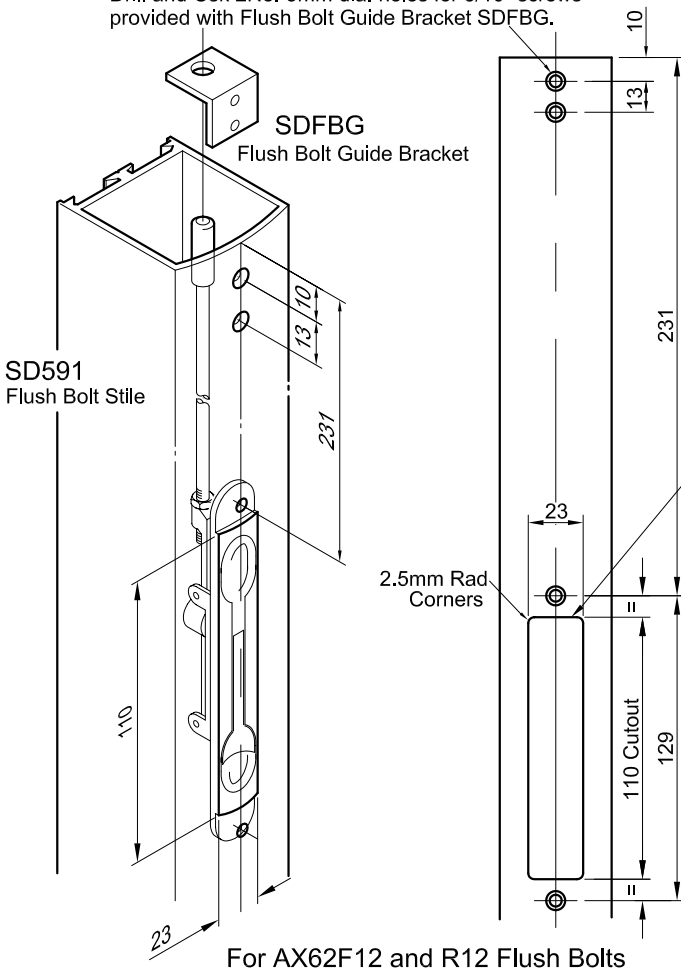
# SFG and SD Series

1.E.306

08.06

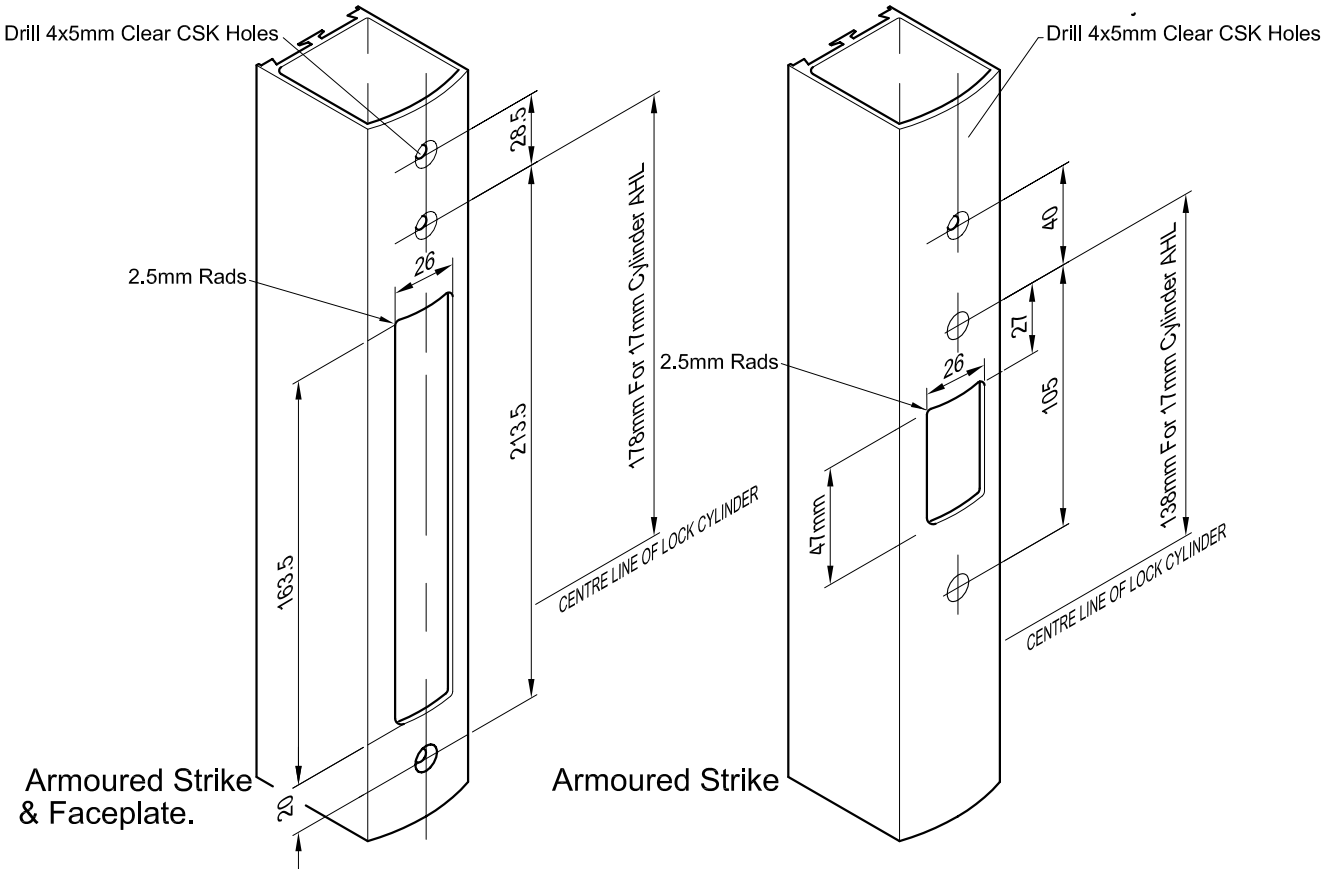
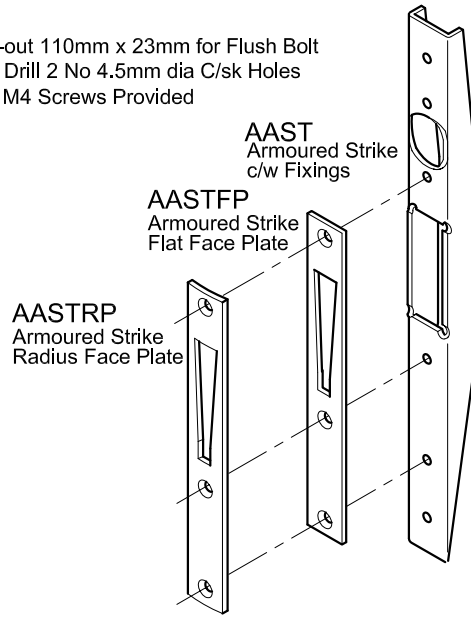
## Preparation Details - Door Stiles

Drill and Csk 2No. 5mm dia. holes for 3/16" screws provided with Flush Bolt Guide Bracket SDFBG.



### Flush Bolts

Cut-out 110mm x 23mm for Flush Bolt and Drill 2 No 4.5mm dia C/sk Holes For M4 Screws Provided

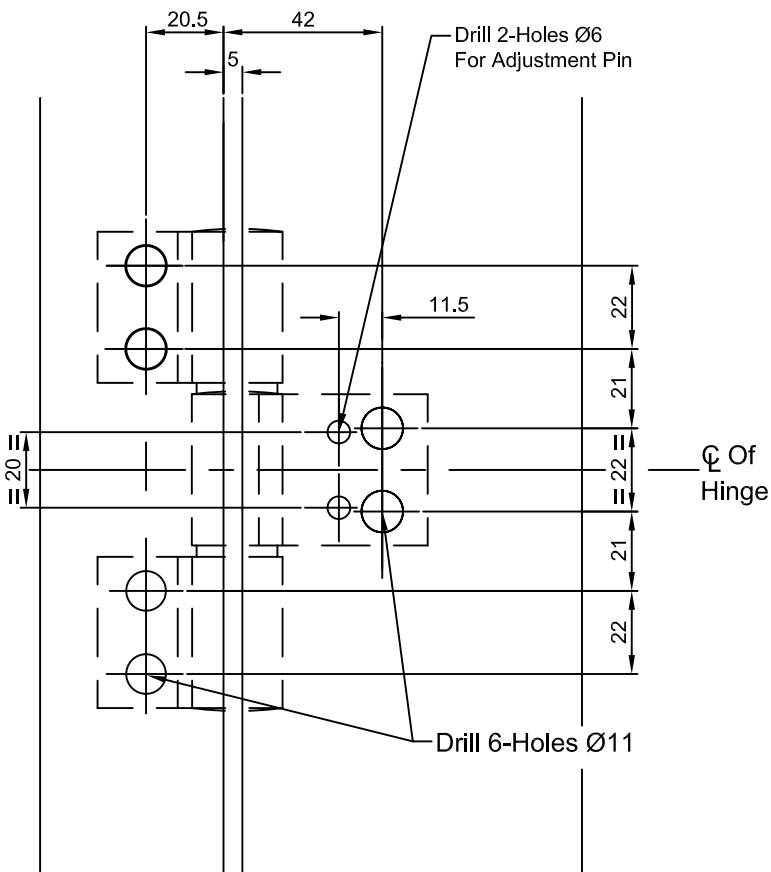
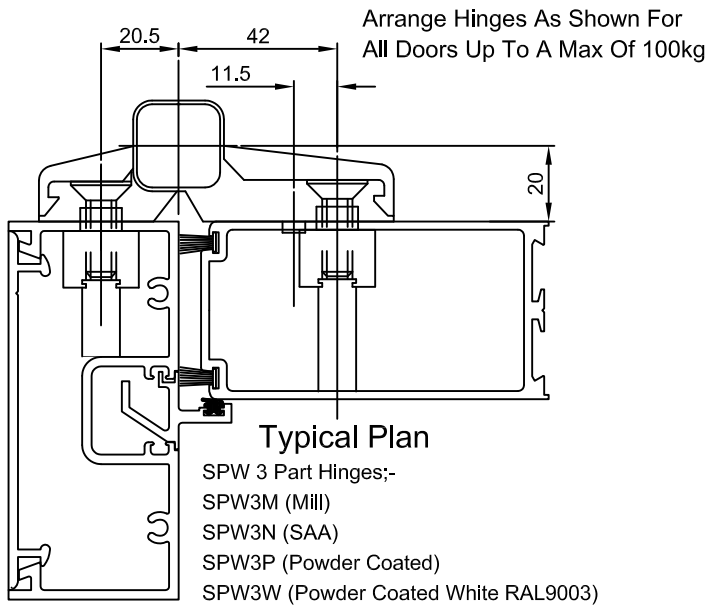


# 1.E.307

# SFG and SD Series

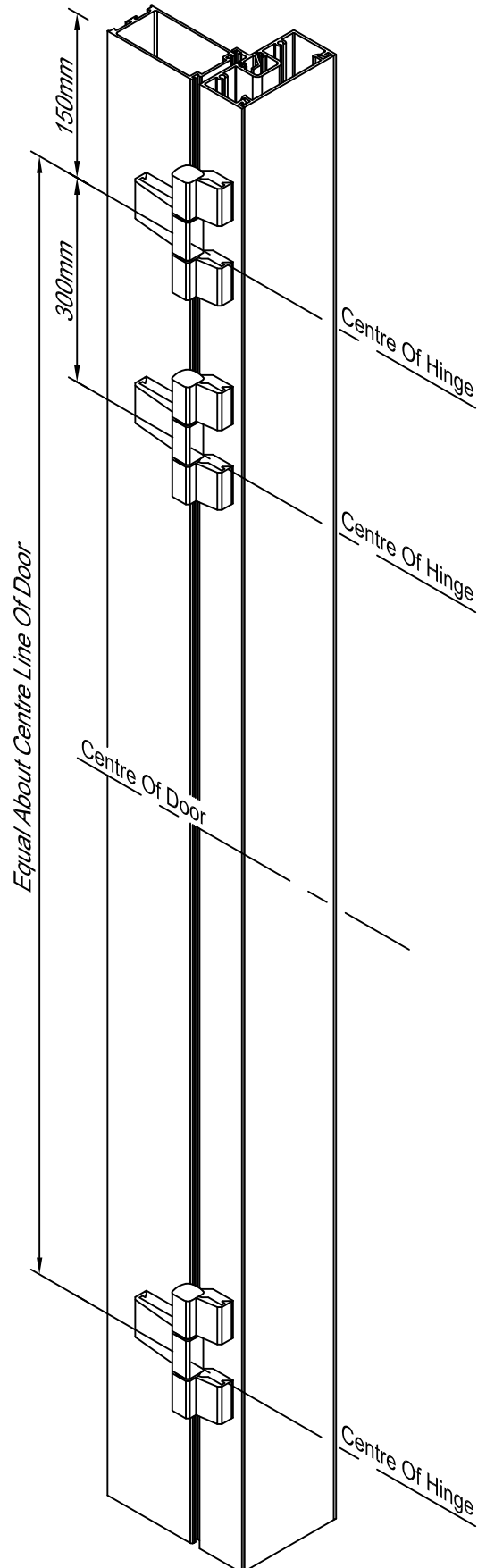
03.14

## Preparation Details - SPW 3 Part Face Applied Hinges



Hole Drilling Details

Drill Jigs Are Available  
Part Code: SKJIG + SKHJIGSUB



# SFG and SD Series

Blank

1.E.308

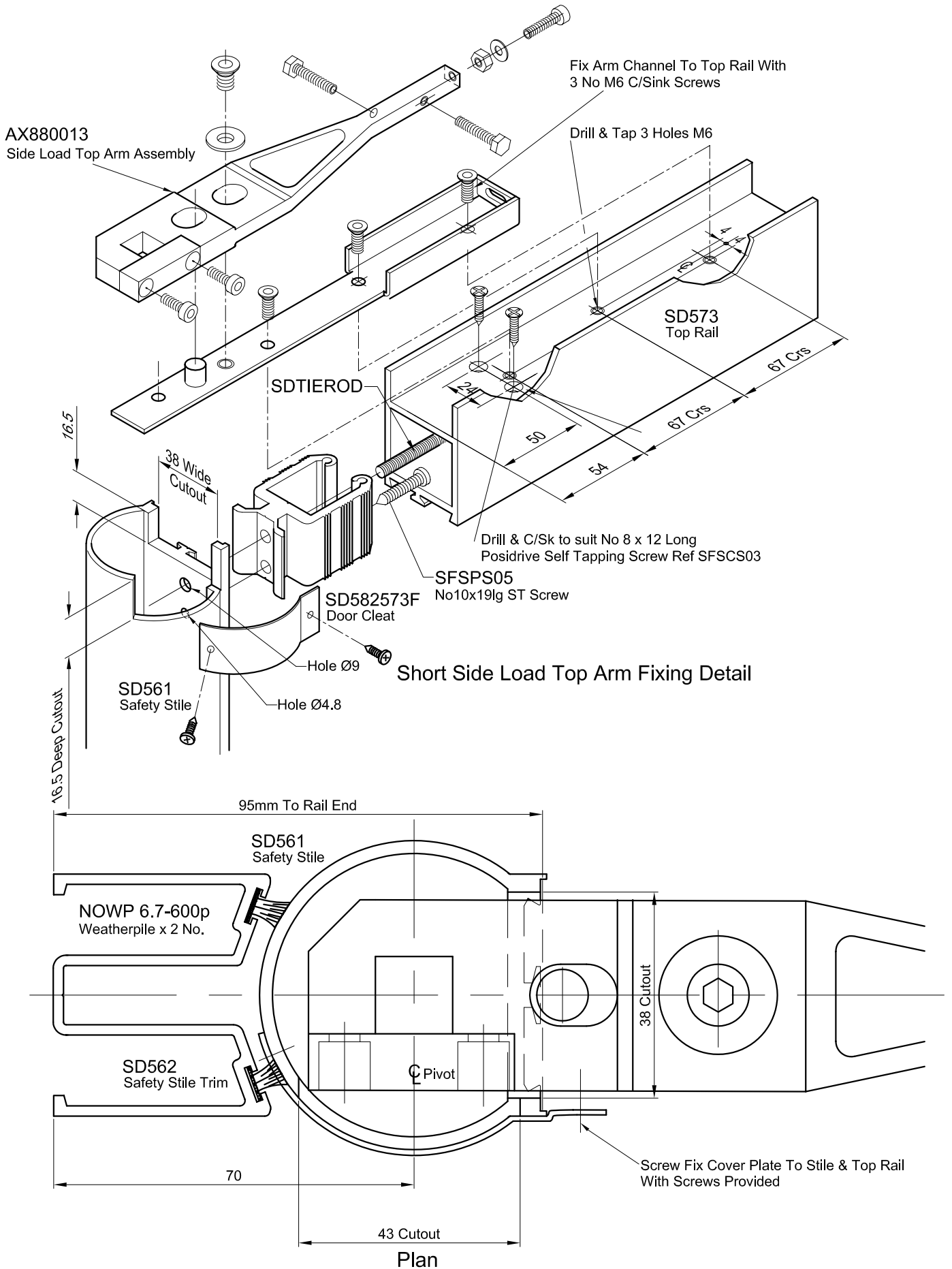
03.14

# 1.E.309

08.06

# SFG and SD Series

## Preparation Details-Safety Stile Top Detail For Side Load Arm

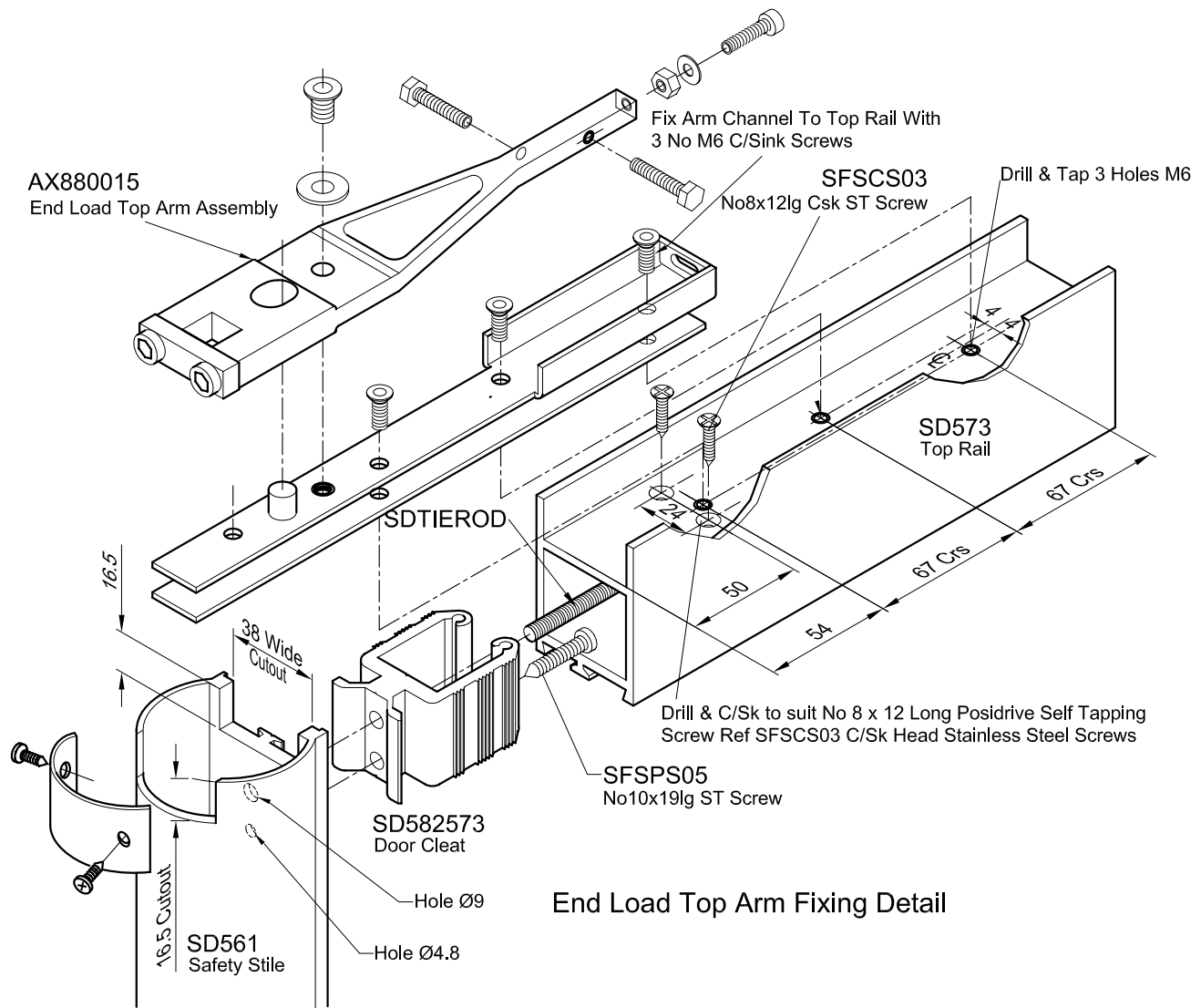


# SFG and SD Series

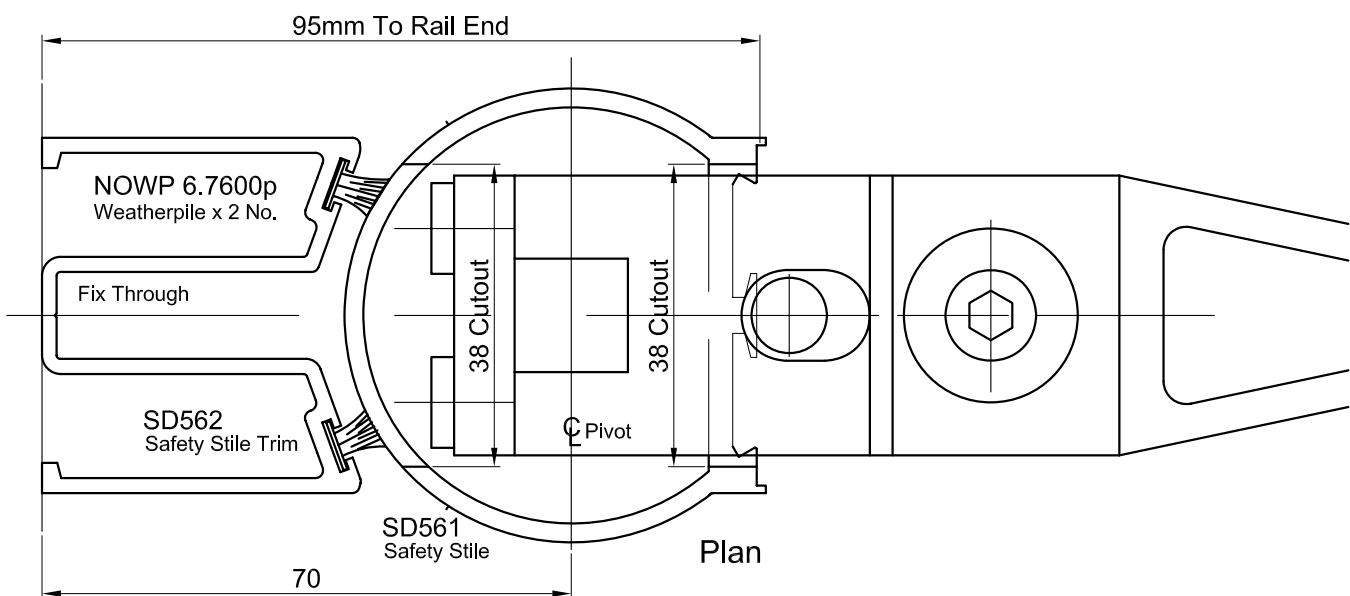
1.E.310

## General Arrangements - Safety Stile Top Detail - End Load

08.11

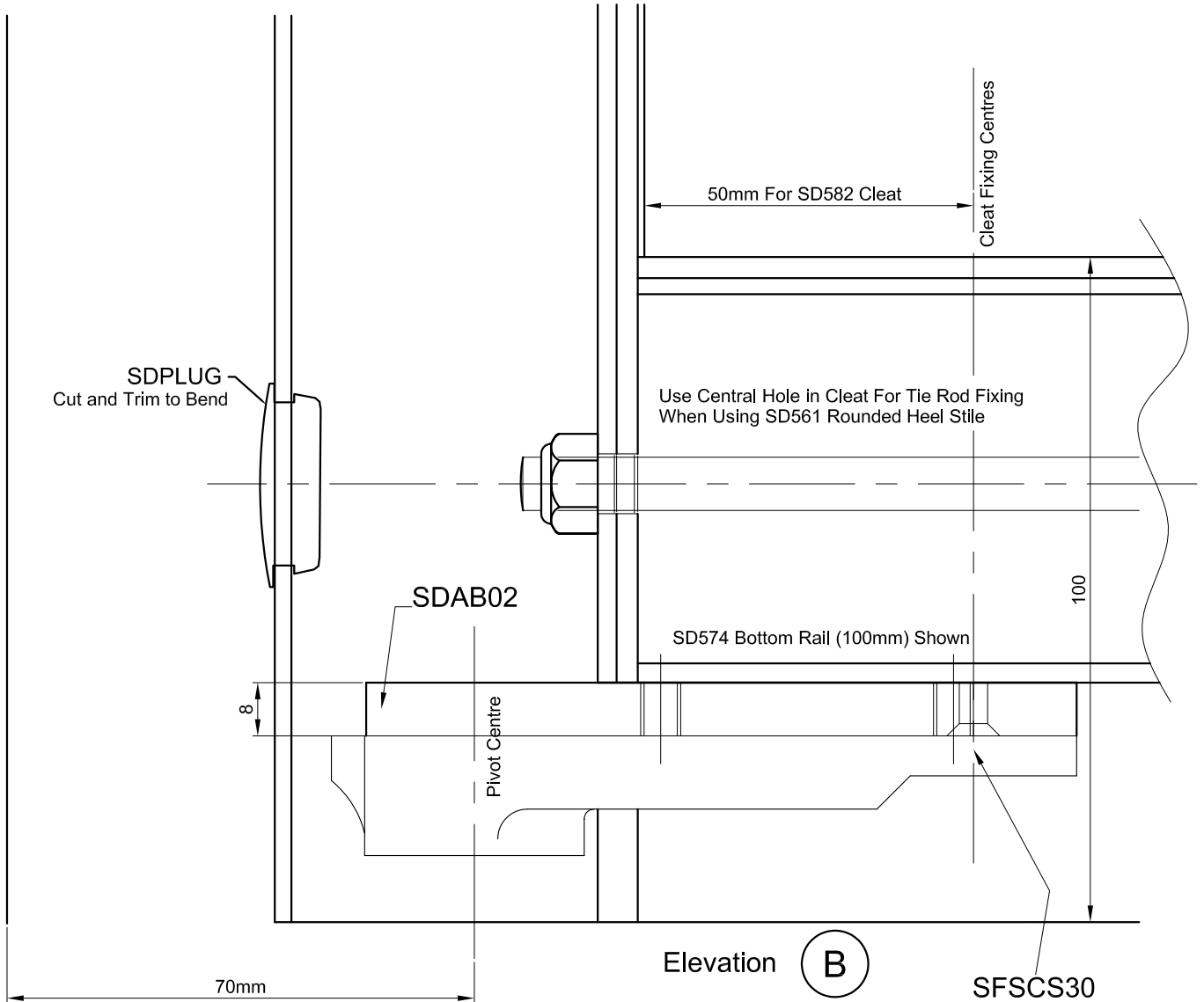


End Load Top Arm Fixing Detail

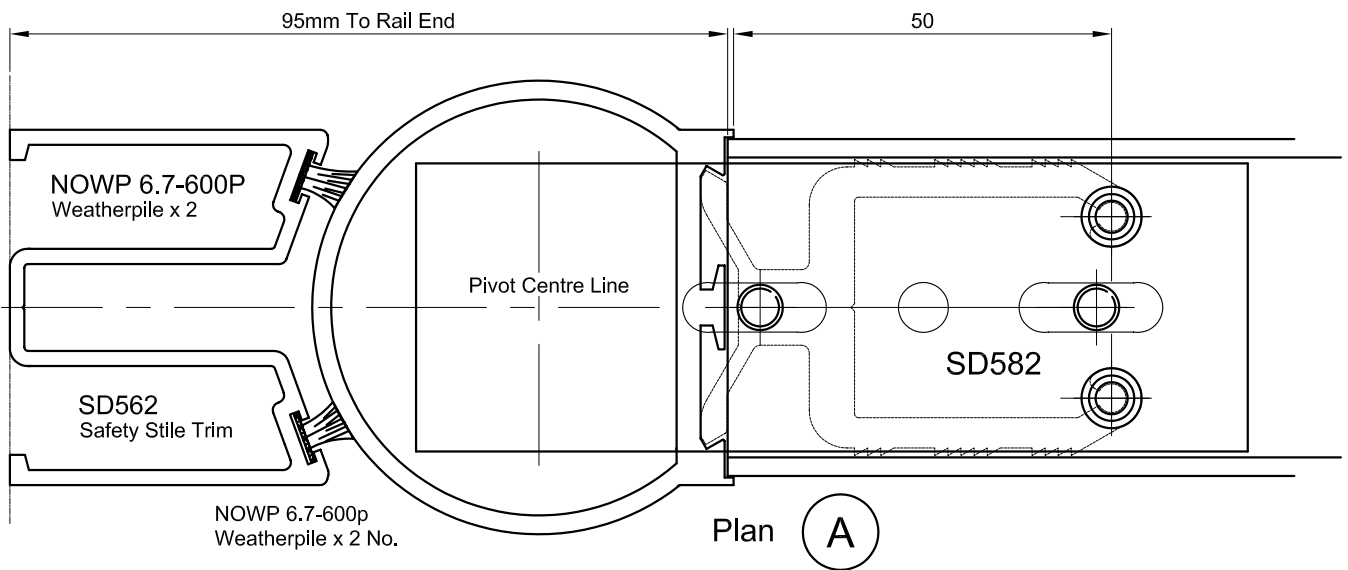


# SFG and SD Series

## Preparation Details - Safety Stile Bottom Pivot



SFSCS30  
No8x25LG C'SK Screw

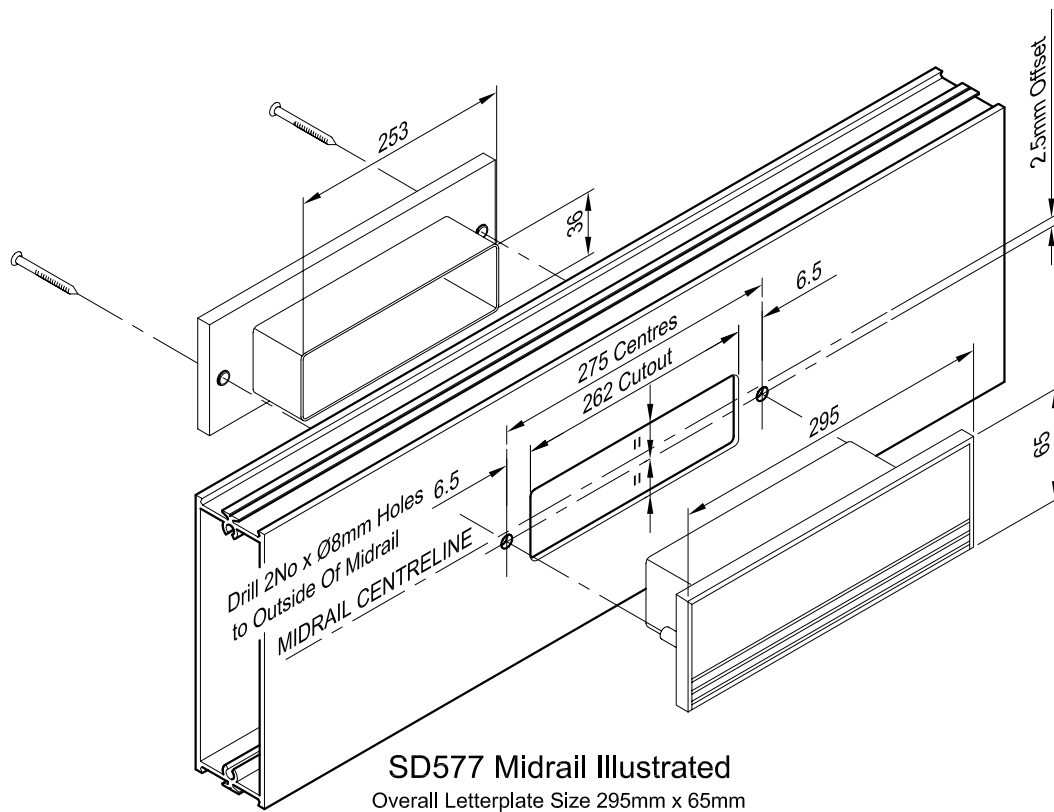


# SFG and SD Series

## SLP2 Letterplate Cutout

1.E.312

08.06

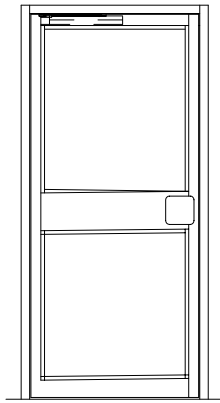


1.E.313

08.06

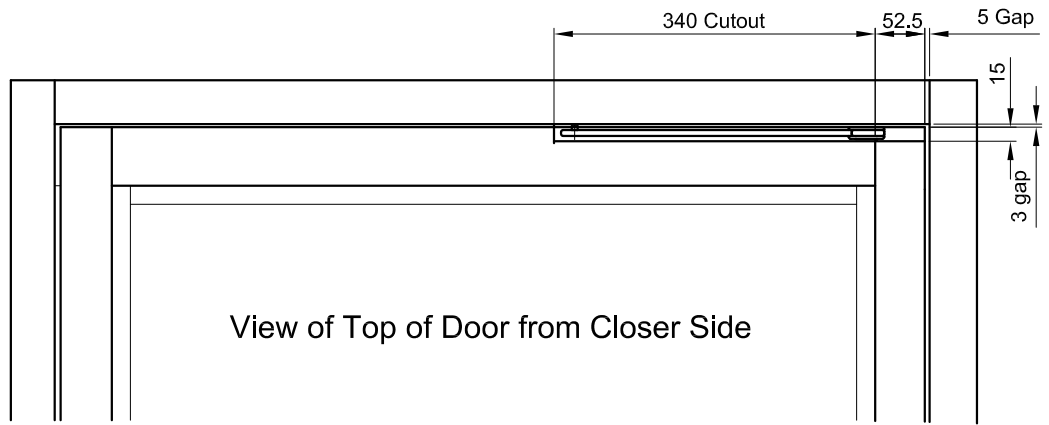
# SFG and SD Series

## Offset Arm for Concealed O/Head Closer with Hinges

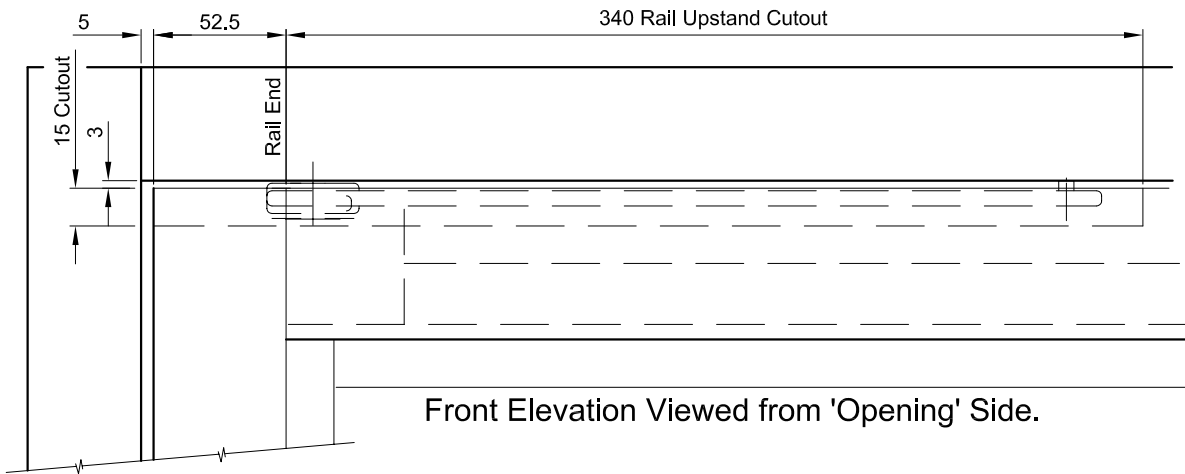


Door Elevation

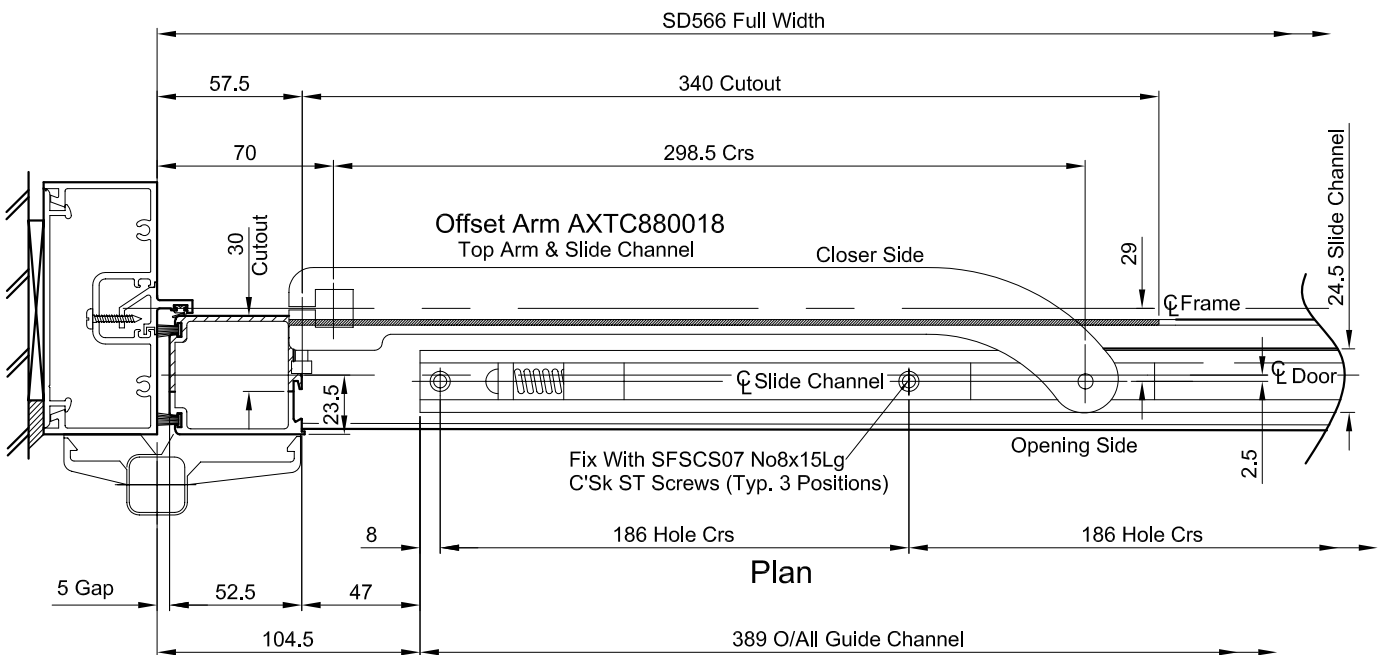
(Viewed from Opening Side)



View of Top of Door from Closer Side



Front Elevation Viewed from 'Opening' Side.



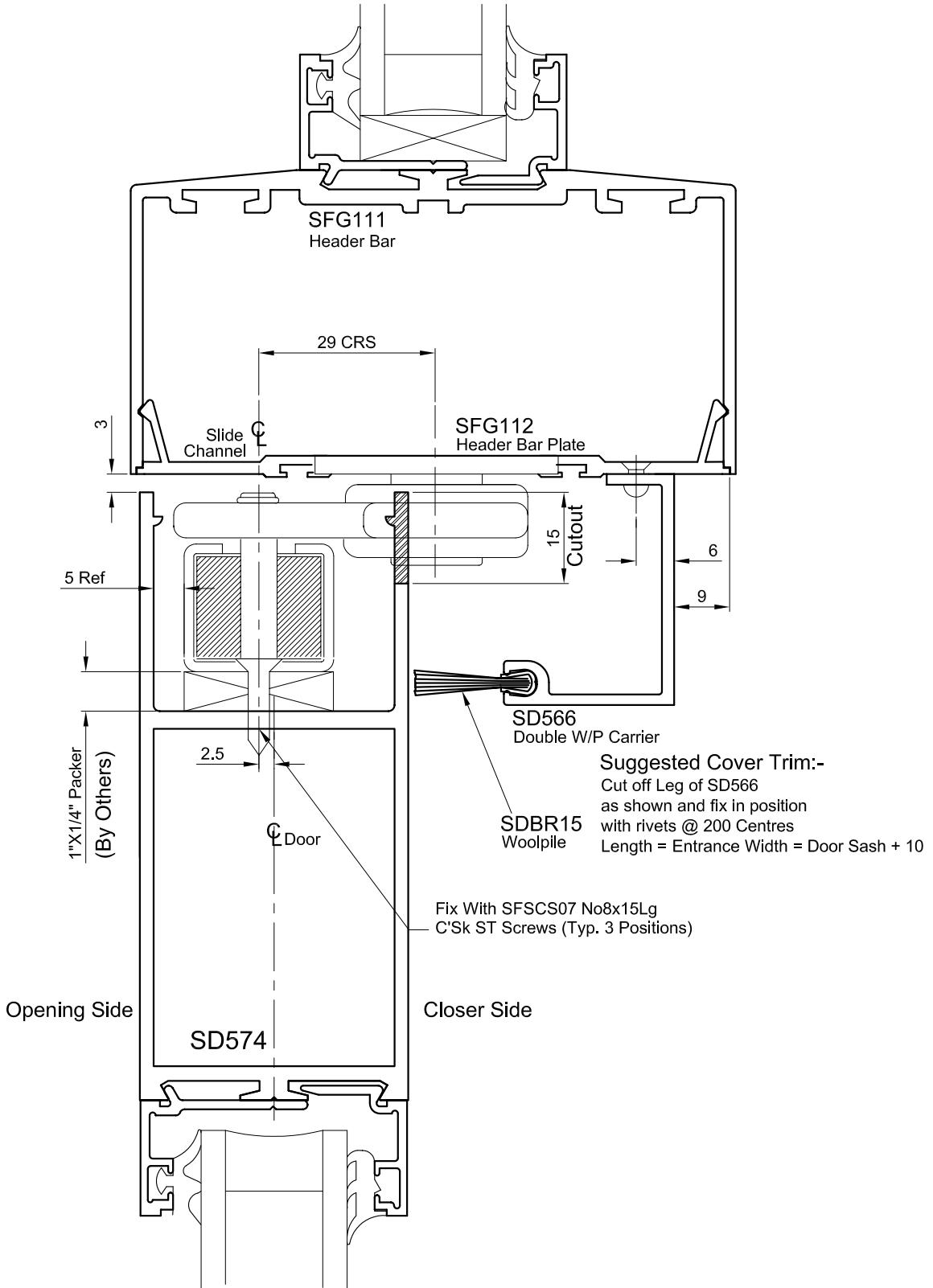
Plan

# SFG and SD Series

1.E.314

## Offset Arm for Concealed O/Head Closer with Hinges

08.06

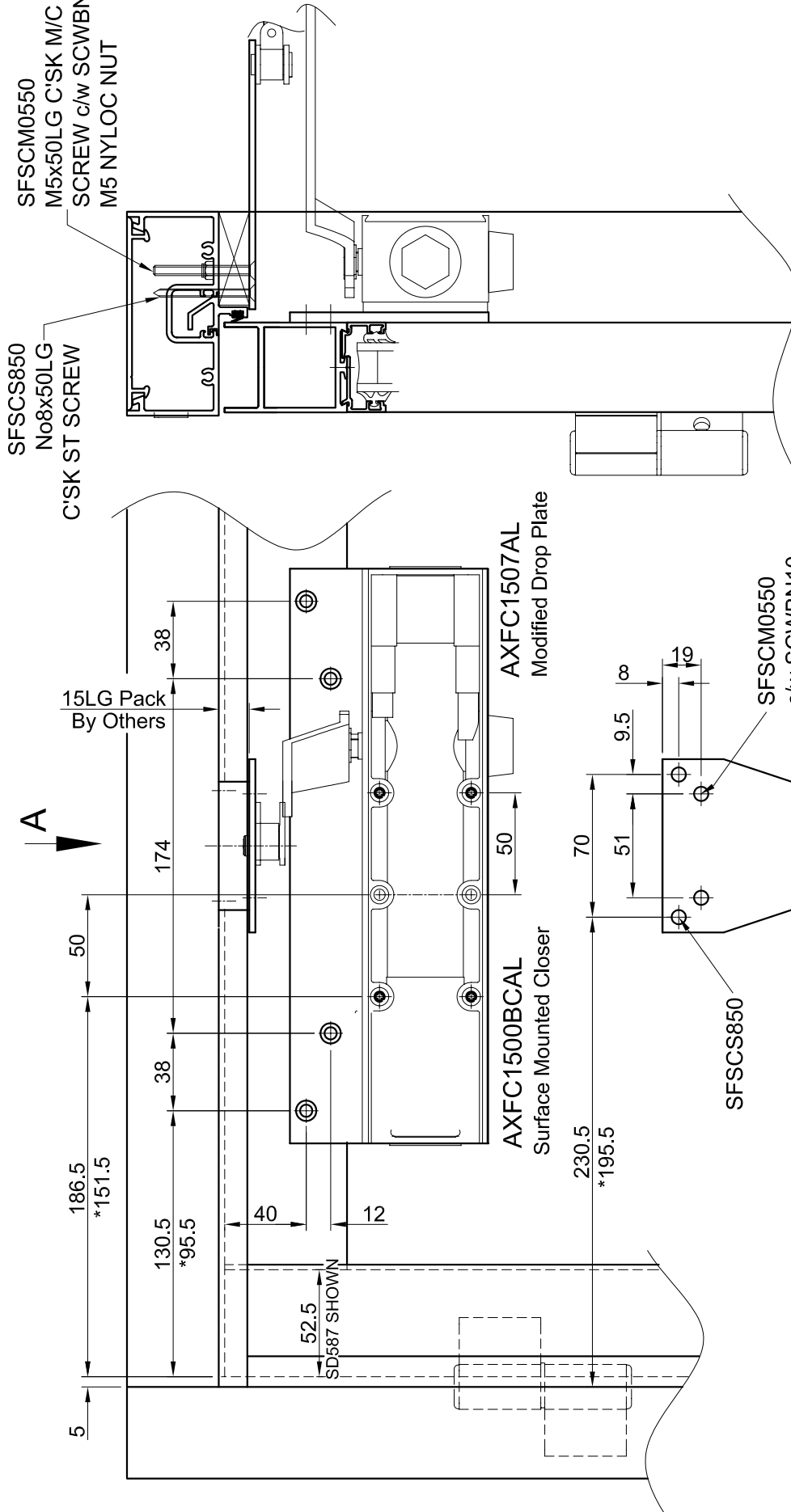


# 1.E.315

# SFG and SD Series

08.06

## Installation For Adjustable Surface Closer - AXFC1500BCAL



No Of Turns	Power Size	Interior Door Width	Exterior Door Width Swing Out Swing In	Closing Force (Kgf.M)	Door Wt. (Kgs)
-3	1	900	800	1.2	25-45
0	2	1050	700	1.9	40-65
+4	3	1200	900	2.9	60-85
+8	4	1350	1200	3.8	80-120

\* Denotes Dimensions For Approximately 180° Openings  
 All Other Dimensions Are For Approximately 120° Openings  
**REFER ALSO TO LITERATURE SUPPLIED WITH CLOSER**

**VIEW ON ARROW 'A'**  
 Door Head Omitted For Clarity

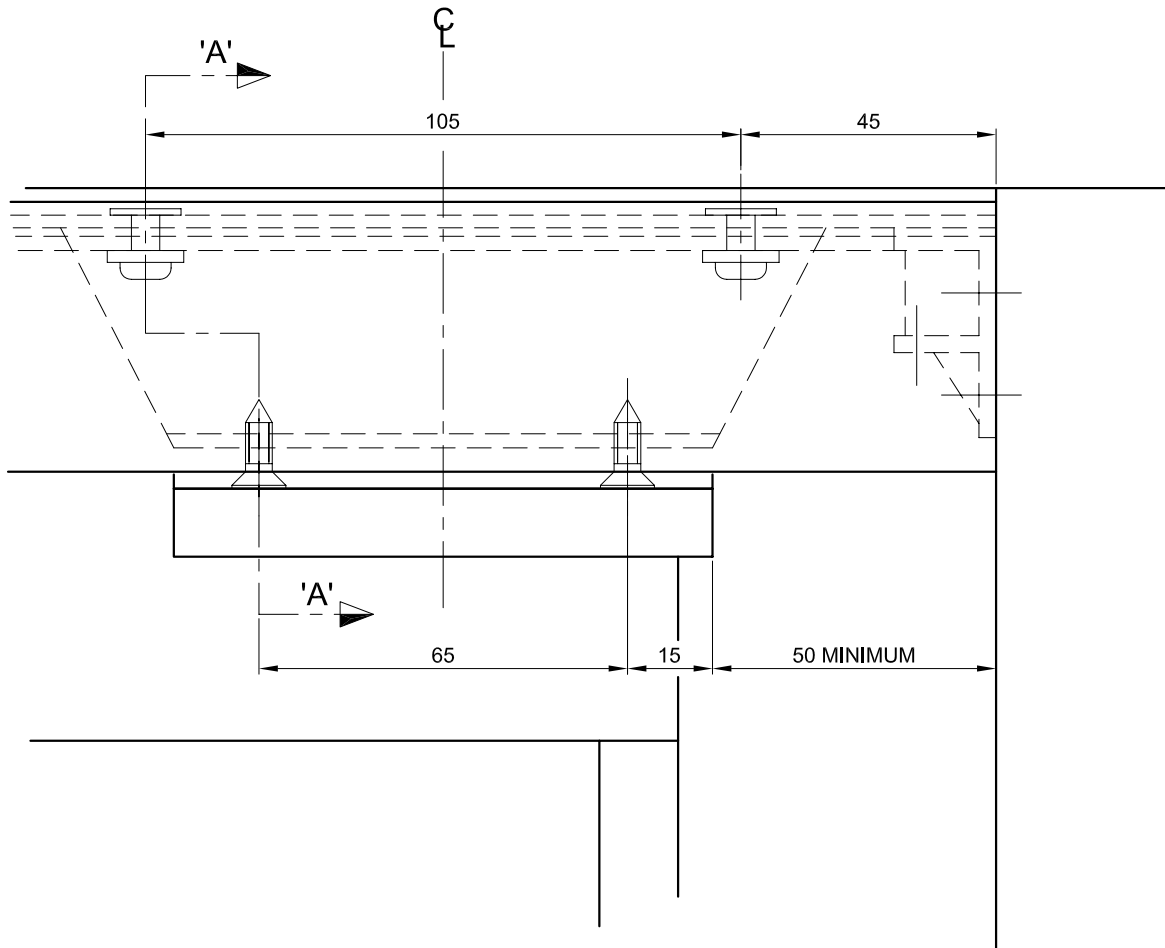
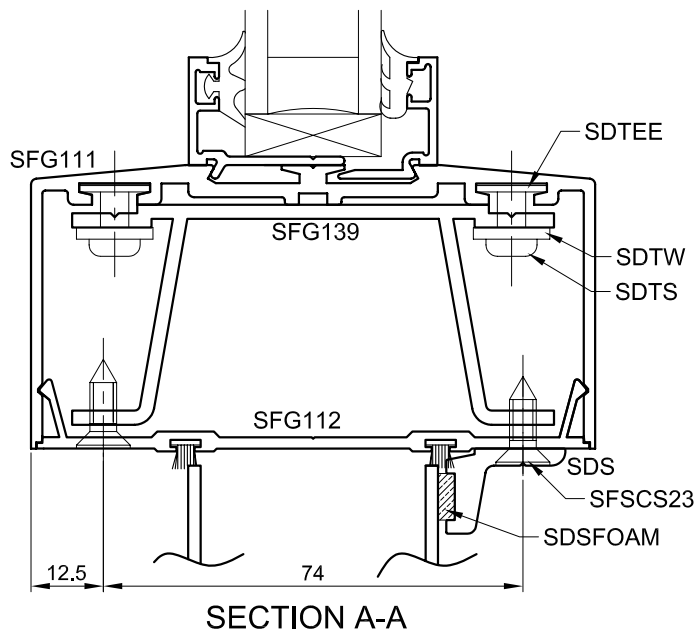


1.E.317

08.06

# SFG and SD Series

## Door Stop for Concealed O/Head Closer with Hinges



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

This Page Is Intentionally Left Blank

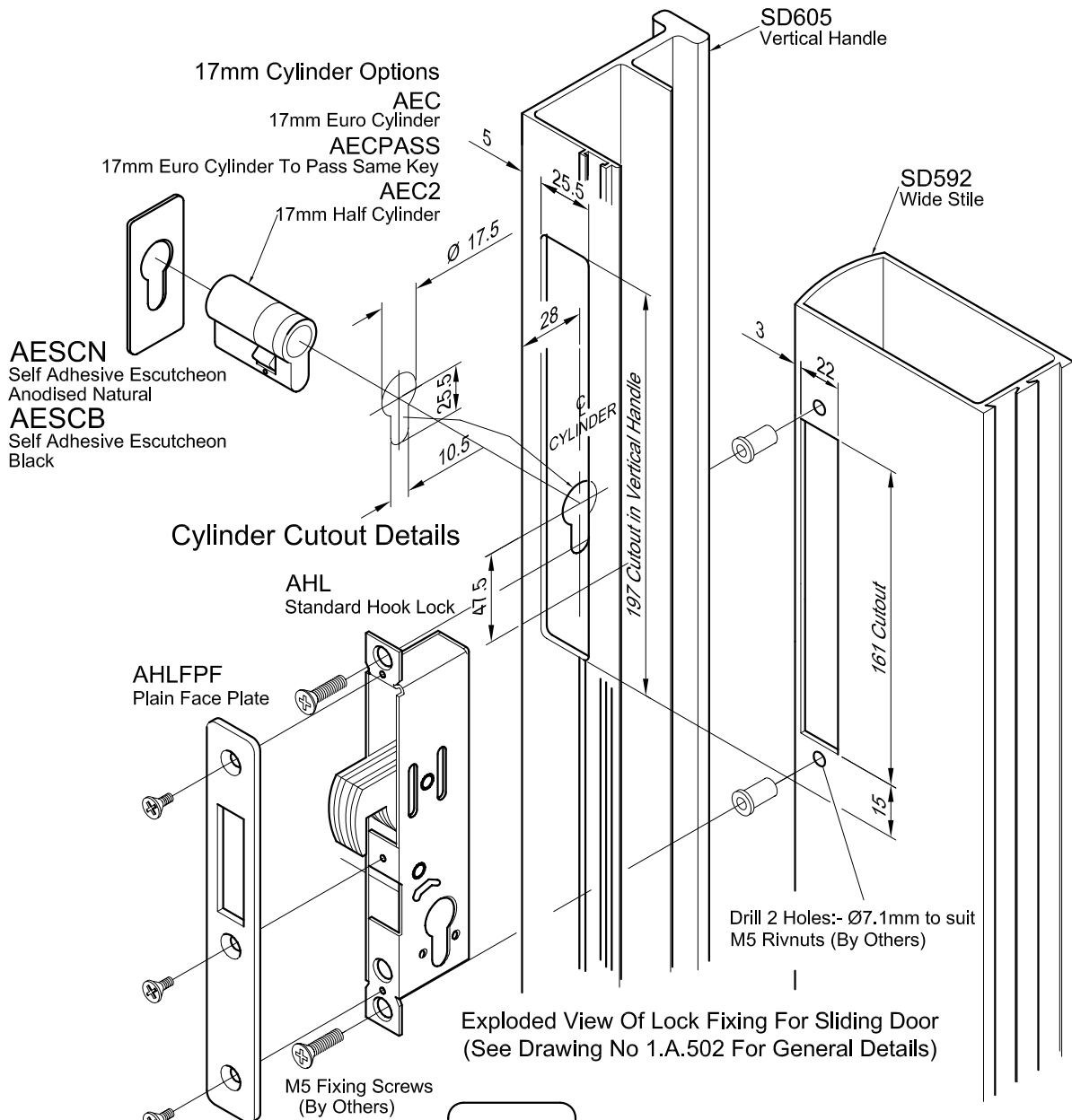


# SFG and SD Series

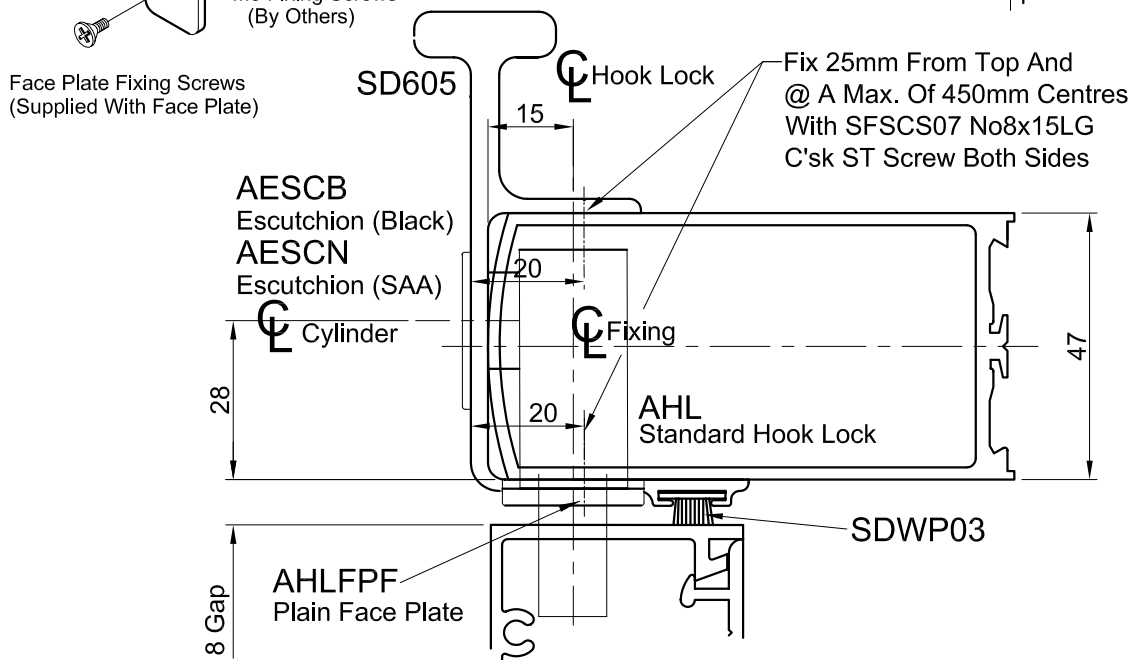
1.E.402

## Sliding Doors - Lock Fixing Details Into Frame

08.06



Exploded View Of Lock Fixing For Sliding Door  
(See Drawing No 1.A.502 For General Details)

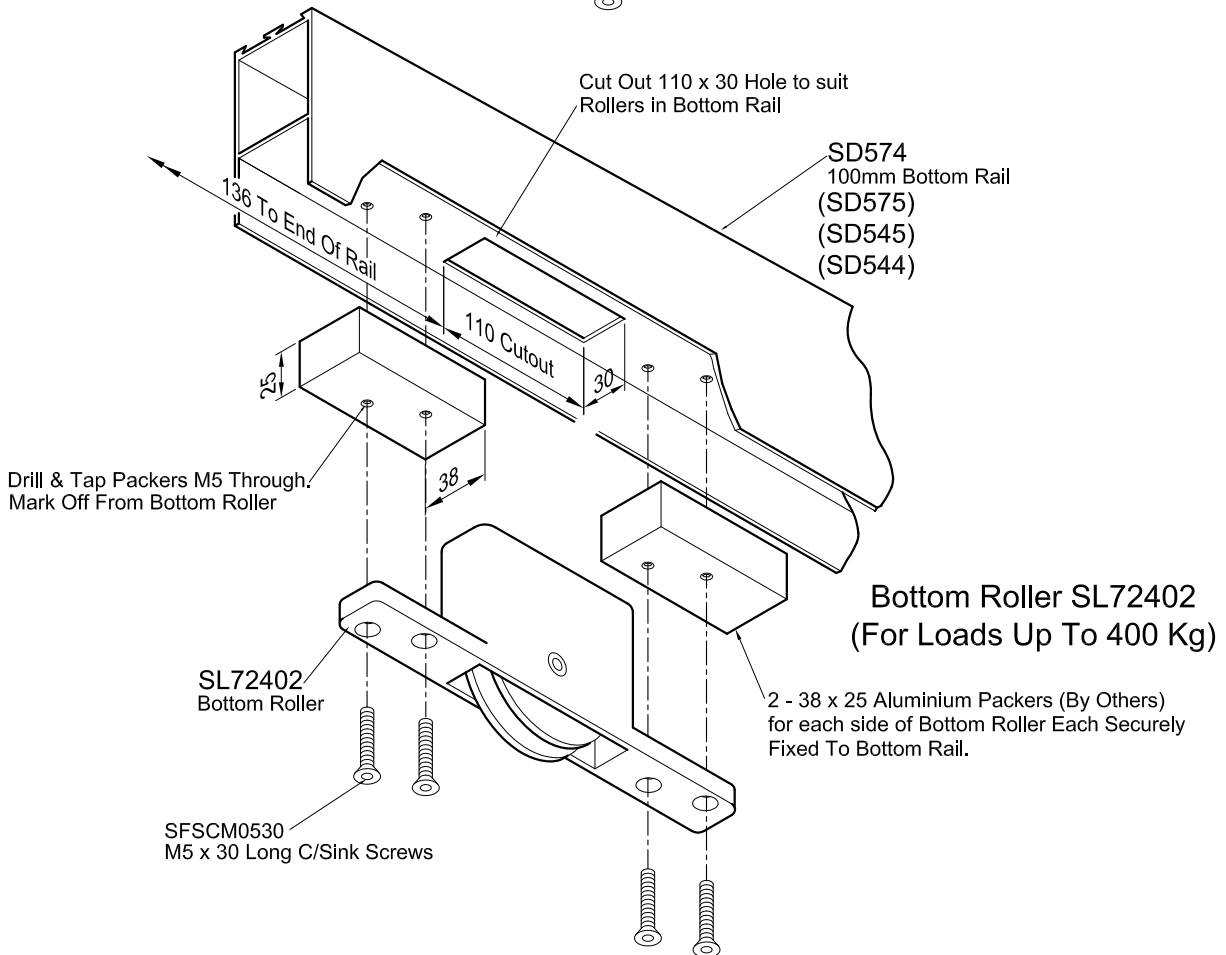
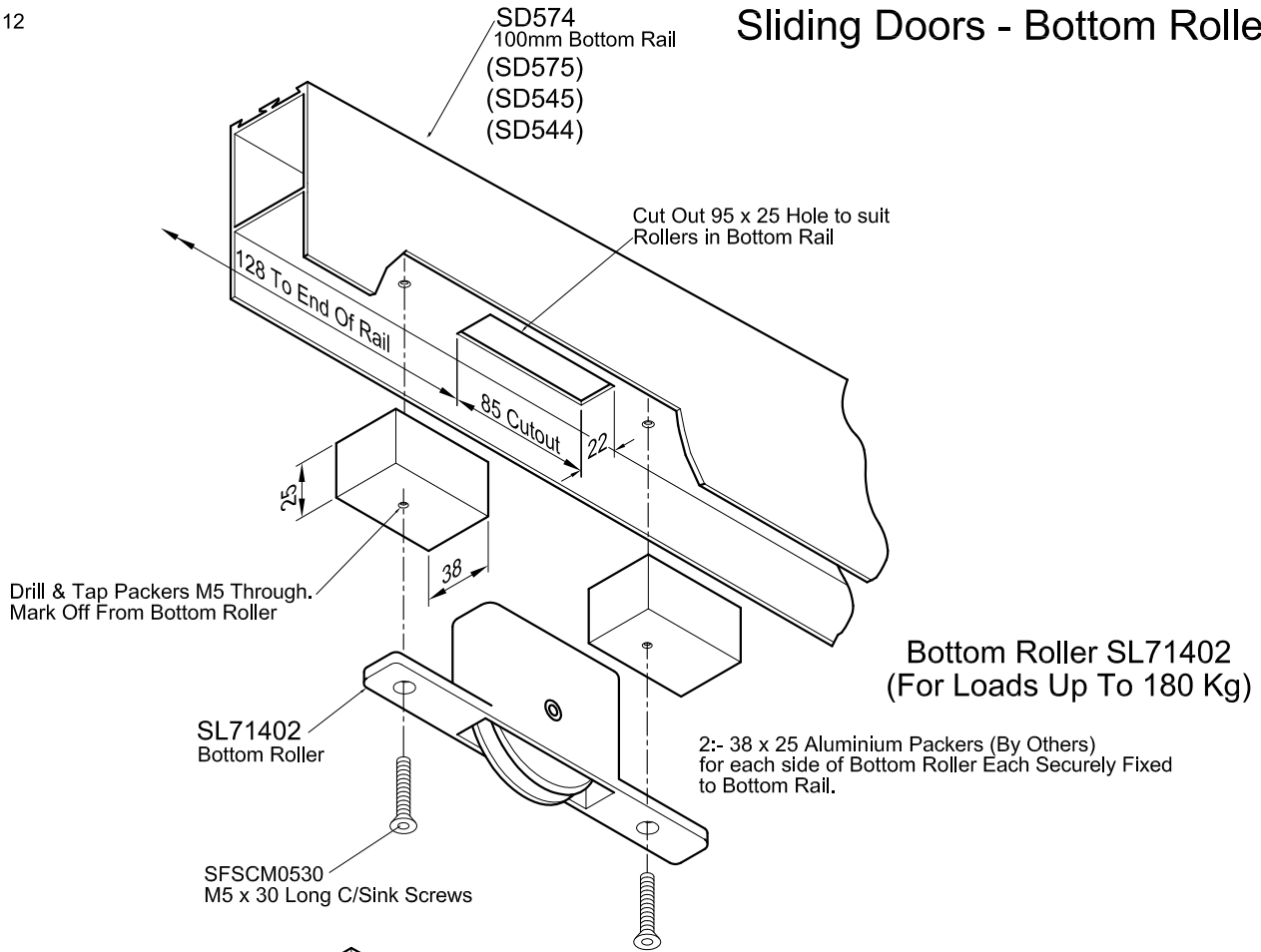


# 1.E.403

02.12

# SFG and SD Series

## Sliding Doors - Bottom Rollers

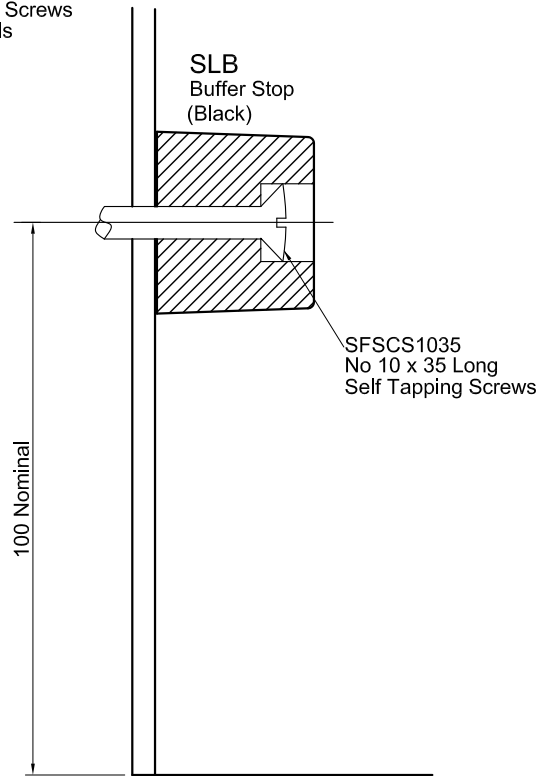
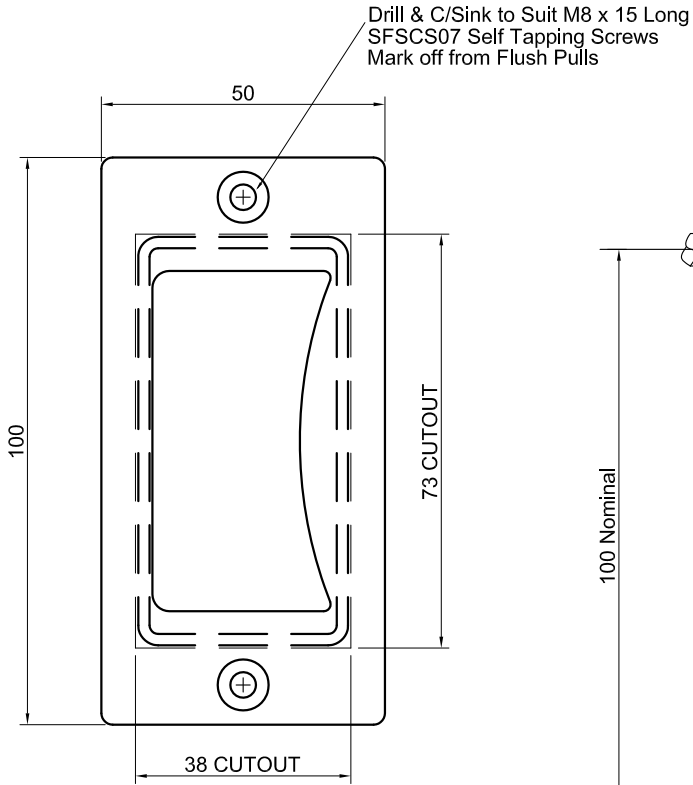


# SFG and SD Series

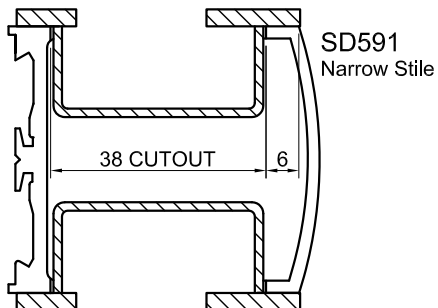
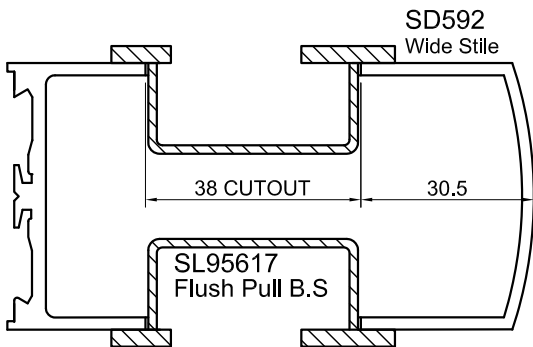
Sliding Doors - Flush Pulls - Door Stops

1.E.404

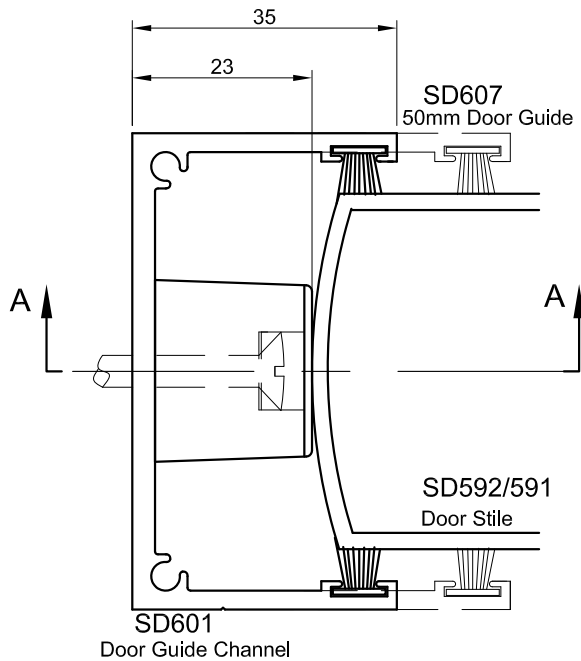
12.13



Section on A - A



Machining Details For Flush Pull Handles



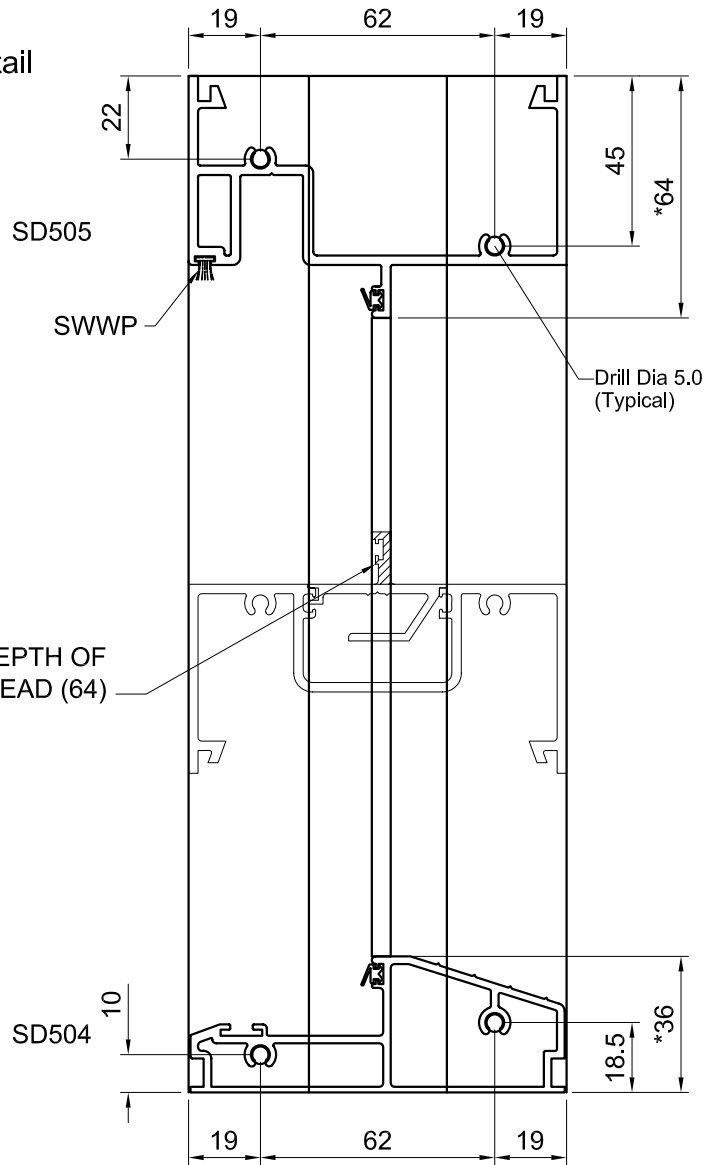
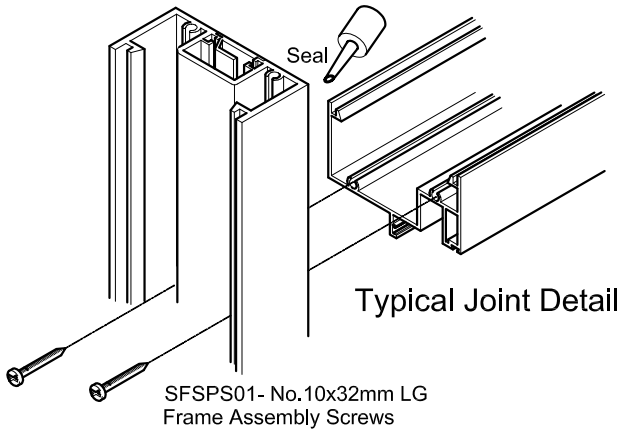
Details of Buffer Stop

1.E.501

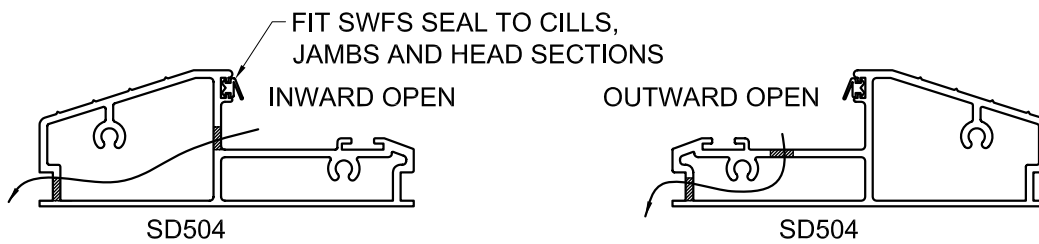
03.07

# SFG and SD Series

## Vistafold - Head & Cill Detail



\*REMOVE JAMB REBATE TO DEPTH OF  
SD504 CILL (36) & SD505 HEAD (64)



CILL DRAINAGE -  
MACHINE SLOTS 50mm IN FROM EACH  
& MAXIMUM OF 600mm CENTRES.  
SLOTS TO BE 6 x 25 LONG.

# SFG and SD Series

1.E.502

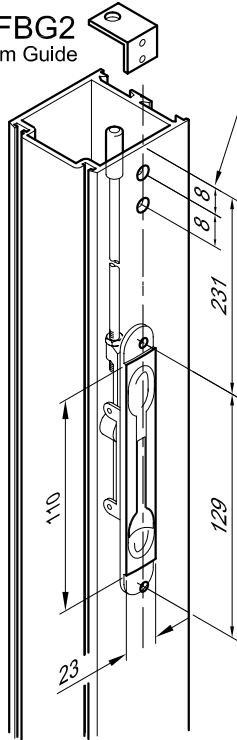
## Vistafold - Top & Bottom Flush Bolts

12.08

SDFBG3  
Top Guide

SDFBG2  
Bottom Guide

\*PLEASE NOTE:-  
DIMENSIONS VARY  
WHEN USING SDFBG3\*



SFSCS23  
No.10x16 CSK SCREW

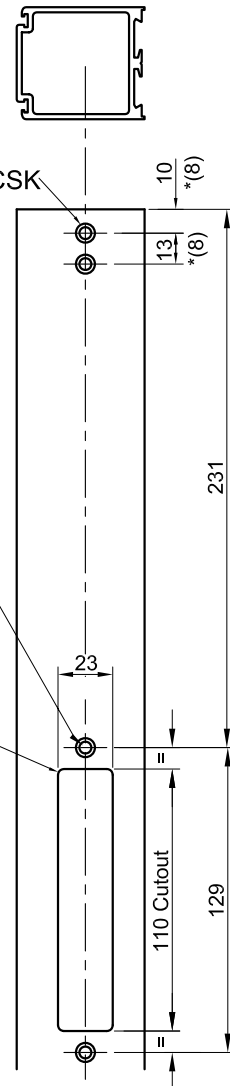
AXFB6201F12/A  
Flush Bolt

INWARD OPENING

Drill and Csk 2No.  
5mm Dia. Holes For  
SFSCS23 No. 10x16 CSK  
Self Tapping Screws

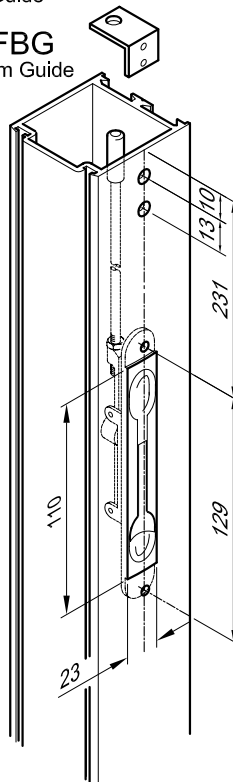
Drill 2 No 4.5mm dia  
C'sk Holes For M4  
M4 Screws Provided

2.5mm Rad  
Corners



SDFBG2  
Top Guide

SDFBG  
Bottom Guide



SFSCS23  
No.10x16 CSK SCREW

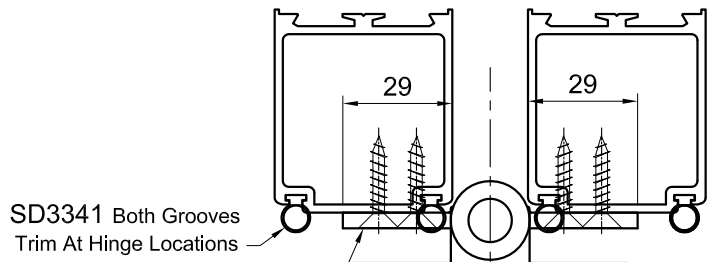
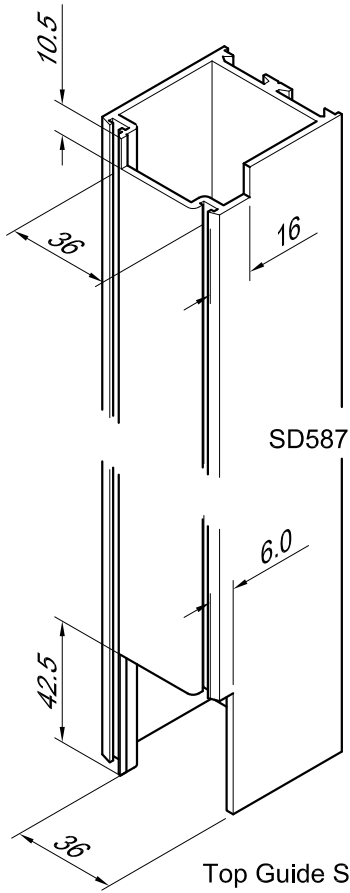
AXFB6201F12/A  
Flush Bolt

OUTWARD OPENING

# 1.E.503

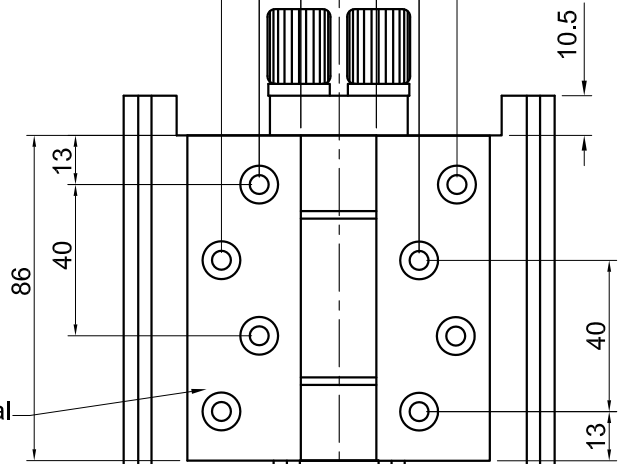
06.09

# SFG and SD Series Vistafold - Top Guide & Bottom Roller



Fix With SFSCS23  
No.10 X 16 Csk Screws

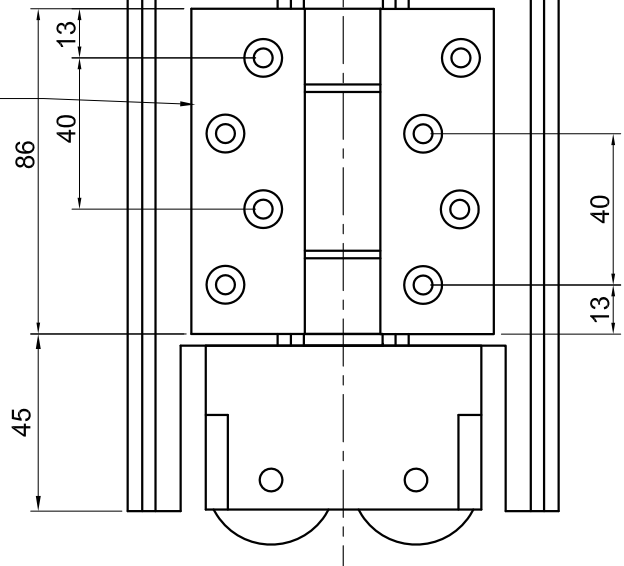
TOP



Fit One Hinge SPW868BHN  
Central To Door Stiles

Bottom Roller SPW870BRN Natural

BOTTOM

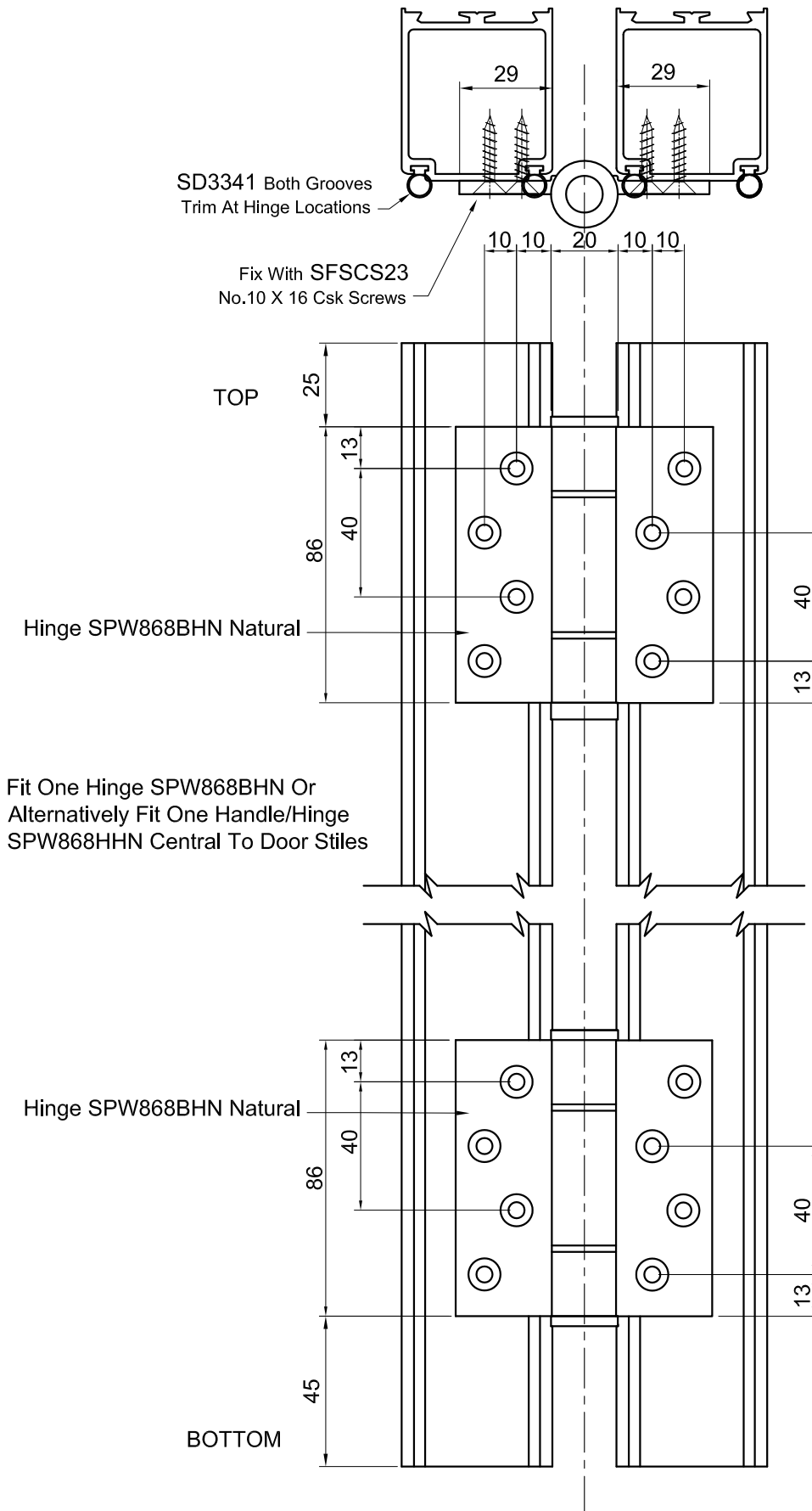


# SFG and SD Series

## Vistafold - Hinges To Doors

1.E.504

06.09

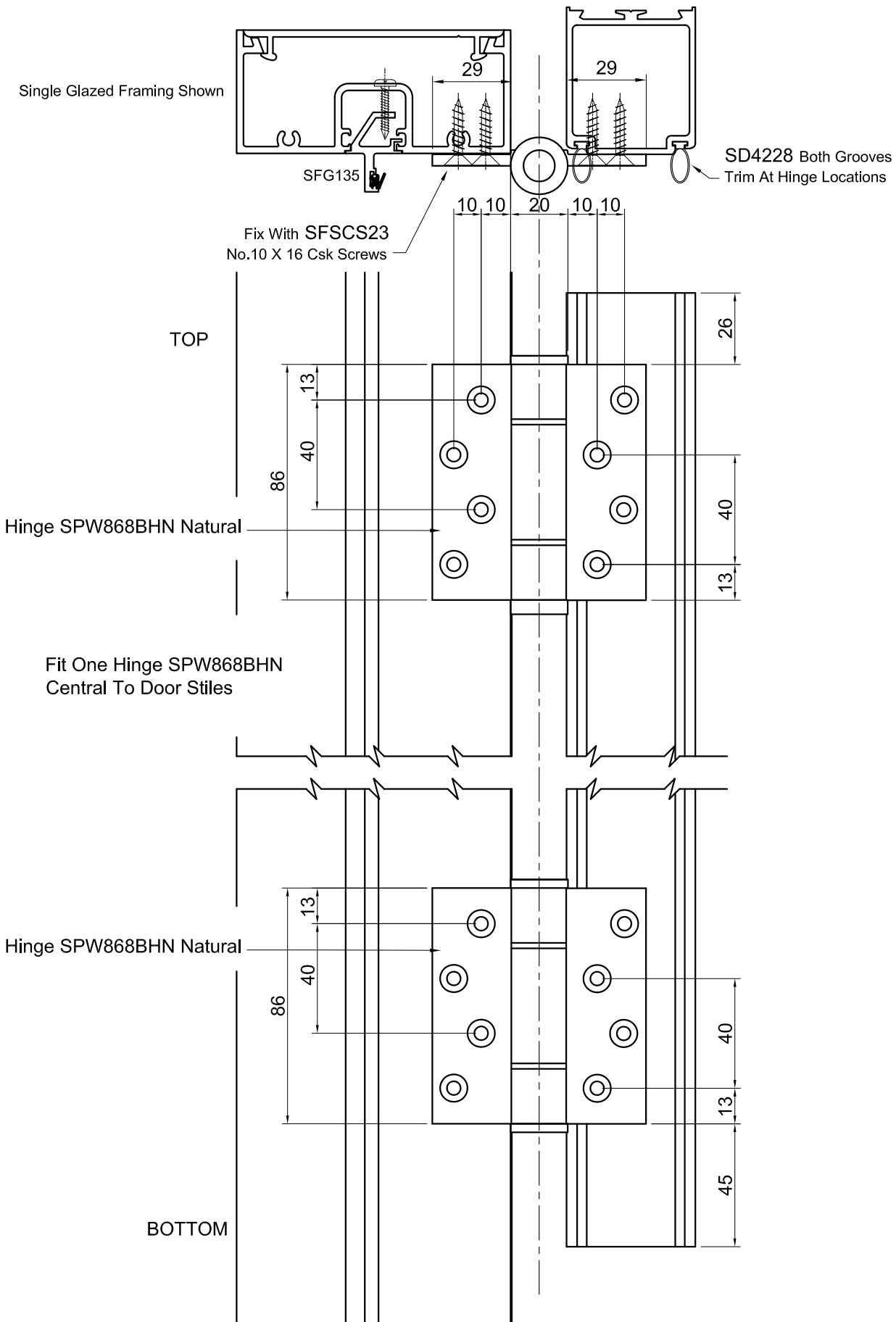


# 1.E.505

06.09

# SFG and SD Series

## Vistafold - Hinges To Frame/Door

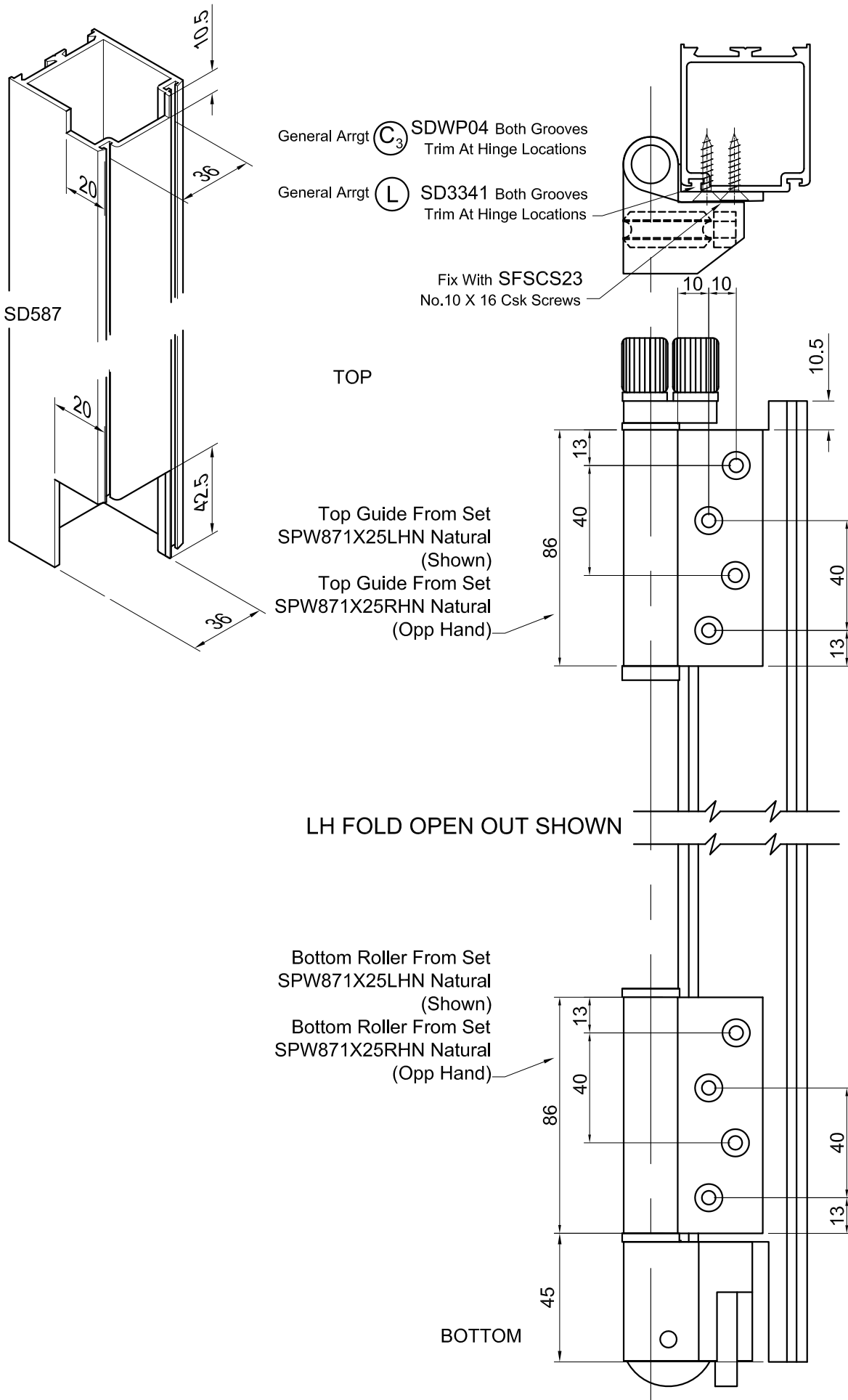


# SFG and SD Series

1.E.506

## Folding Sliding Vista Duo+ - Half Roller/Guide To Door

05.11

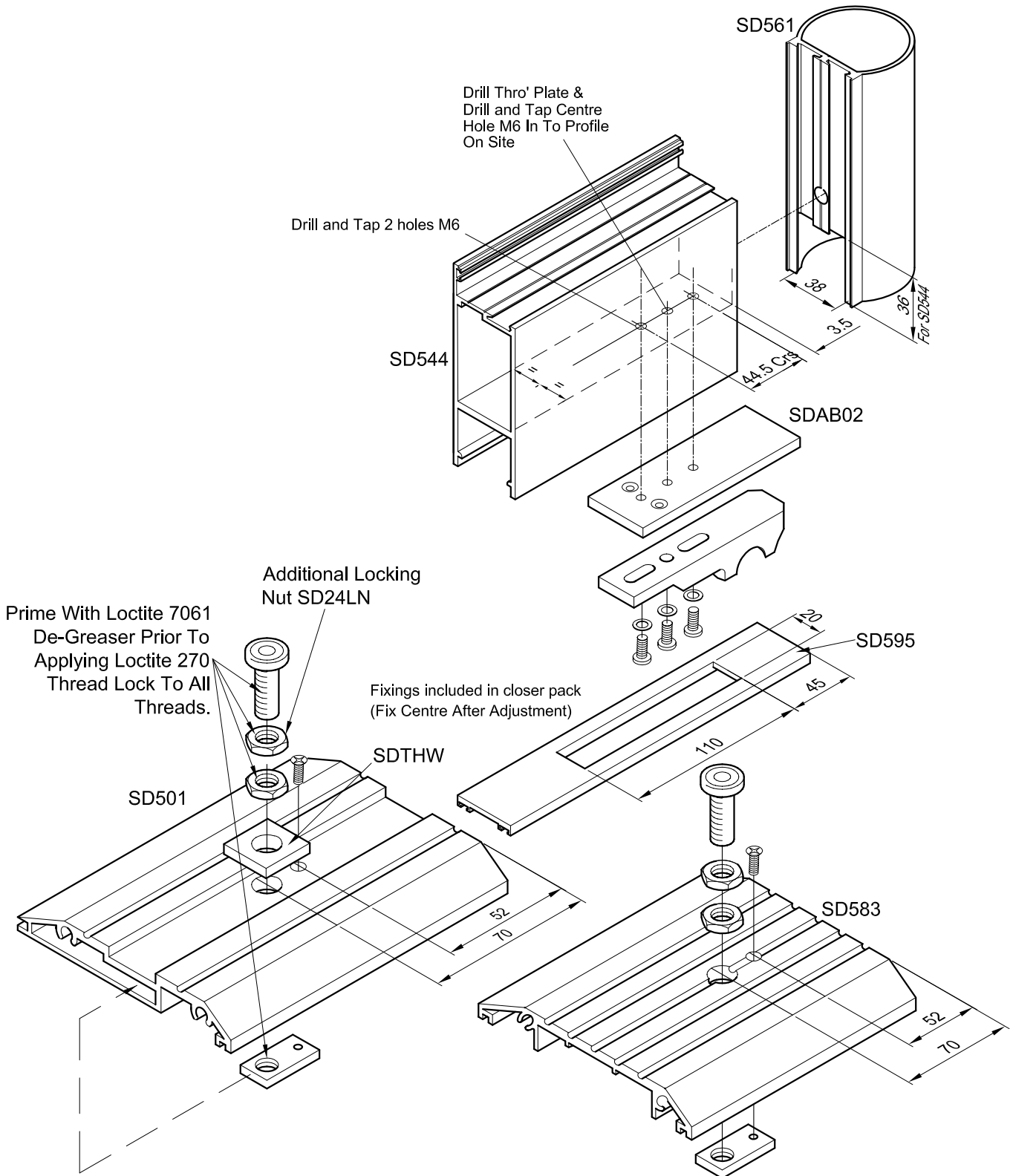


1.E.601

04.10

# SFG and SD Series PAS 24

## Preparation Details - PAS24 Pivot Detail



# SFG and SD Series PAS 24

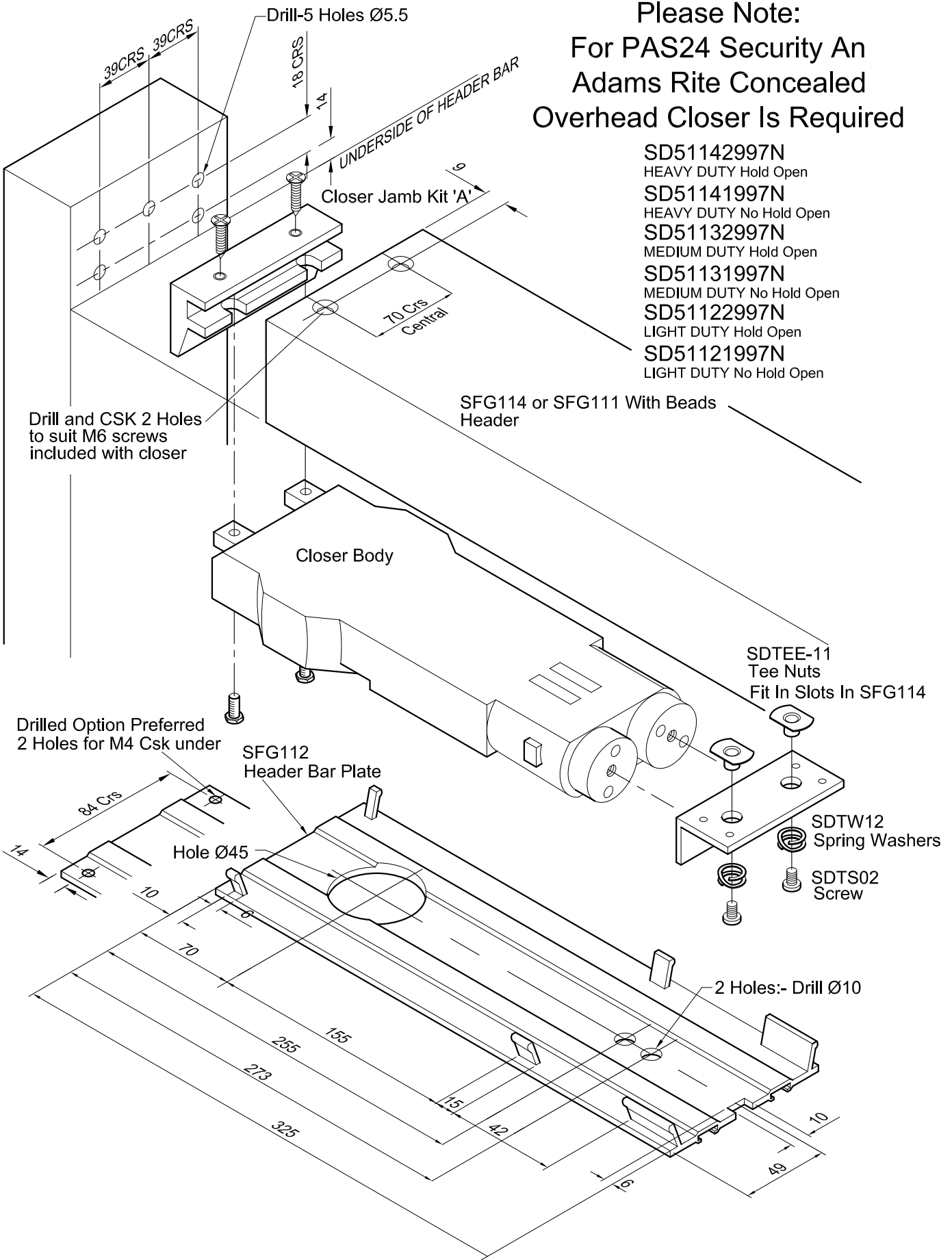
1.E.602

## Preparation Details - Header Bar Security Closer Details

01.11

**Please Note:**  
For PAS24 Security An  
Adams Rite Concealed  
Overhead Closer Is Required

- SD51142997N  
HEAVY DUTY Hold Open
- SD51141997N  
HEAVY DUTY No Hold Open
- SD51132997N  
MEDIUM DUTY Hold Open
- SD51131997N  
MEDIUM DUTY No Hold Open
- SD51122997N  
LIGHT DUTY Hold Open
- SD51121997N  
LIGHT DUTY No Hold Open

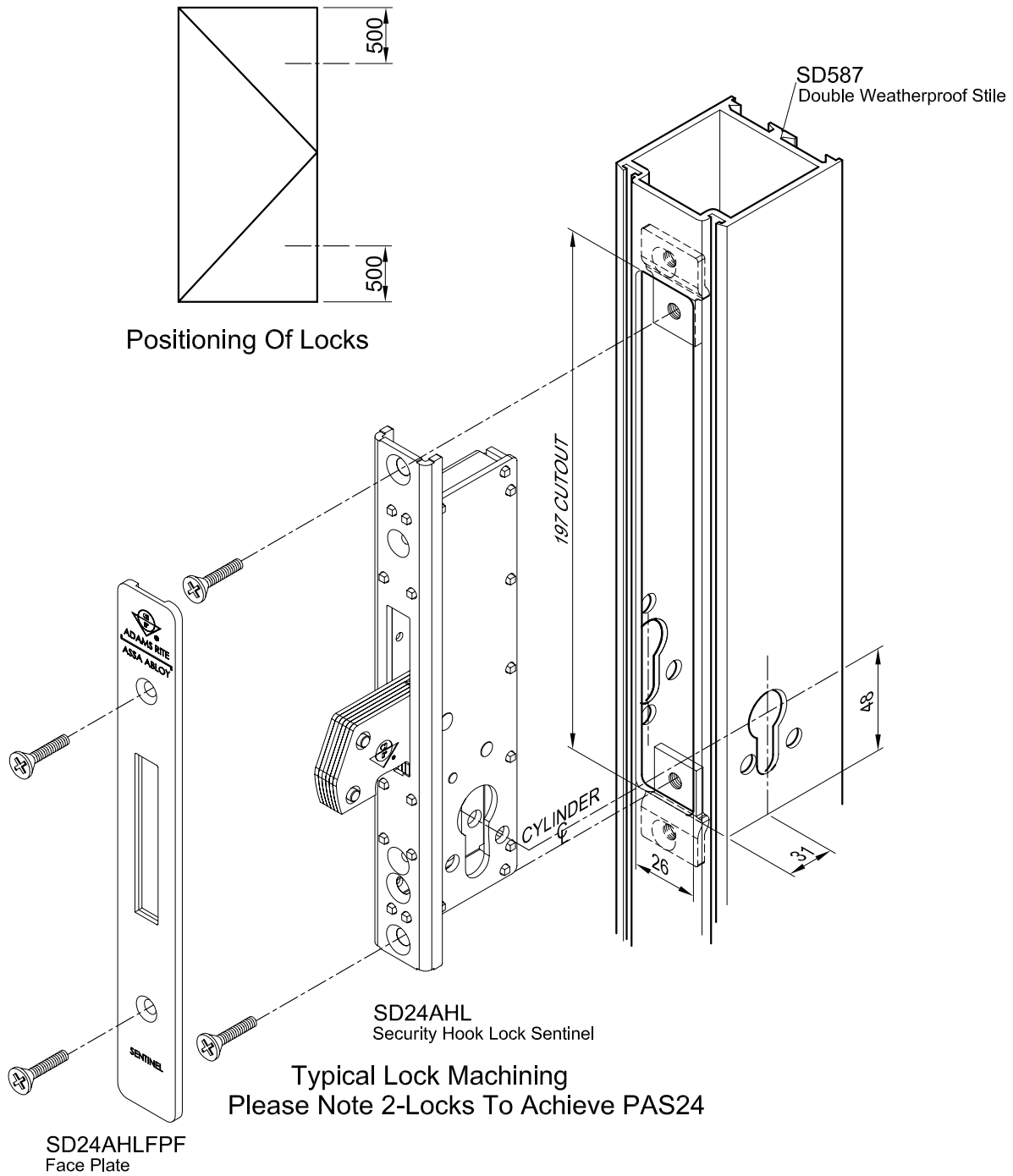


1.E.603

04.11

# SFG and SD Series PAS 24

## Preparation Details - PAS24 Hook Lock

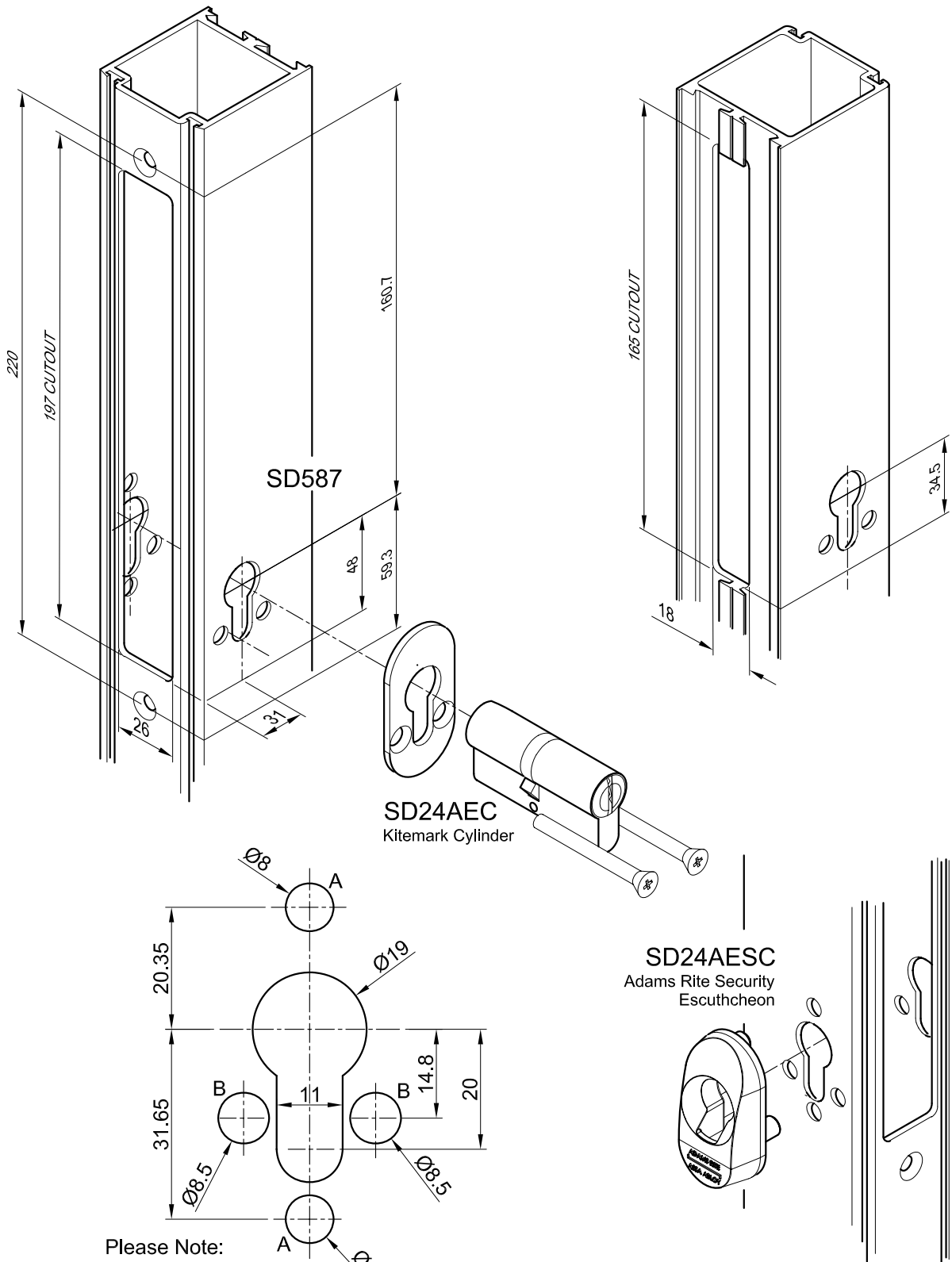


# SFG and SD Series PAS 24

1.E.604

## Preparation Details - PAS24 Cylinder and Escutcheon

04.11



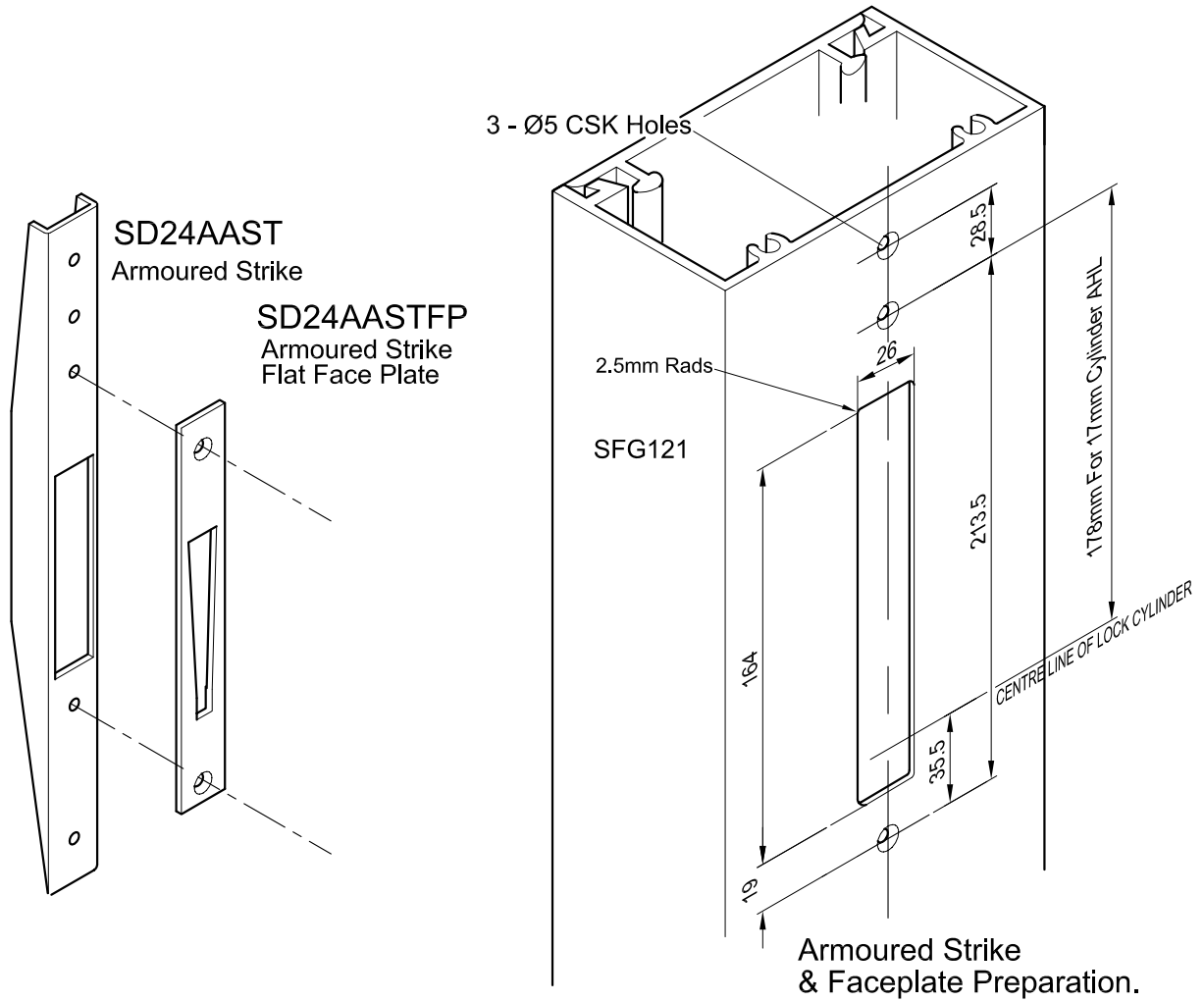
Please Note:  
Holes "A" Are NOT  
Required On The Inside Of  
The Door

1.E.605

04.10

# SFG and SD Series PAS 24

## Preparation Details - Security Armoured Strike



# SFG and SD Series PAS 24

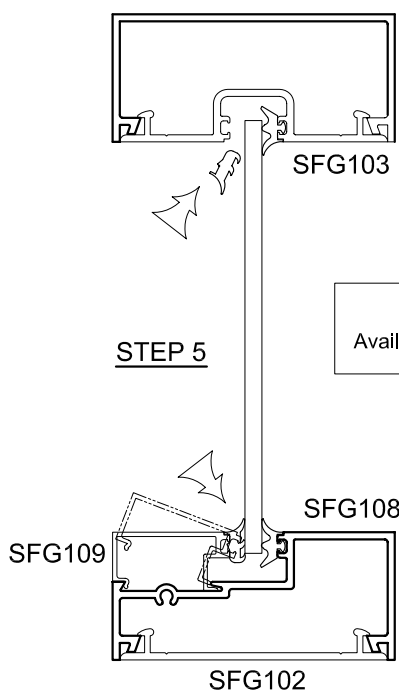
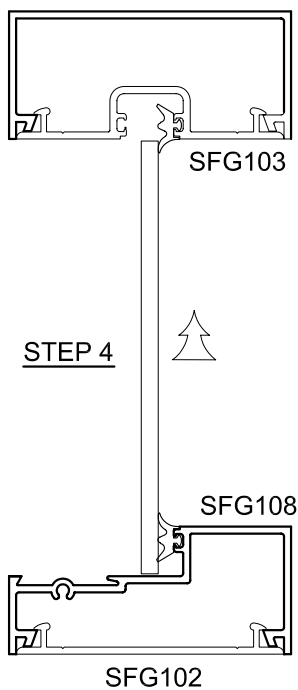
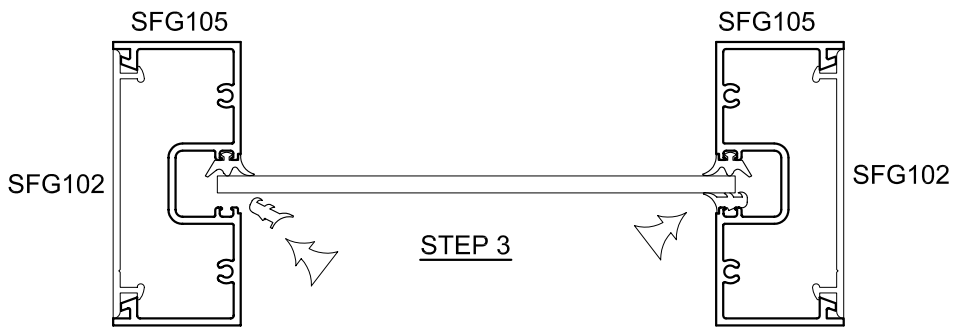
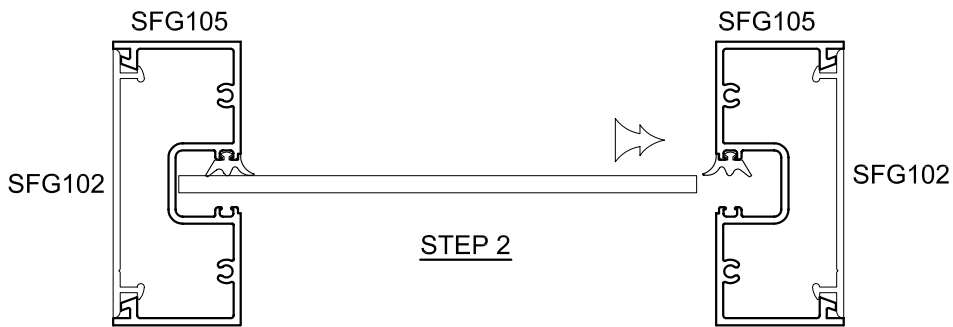
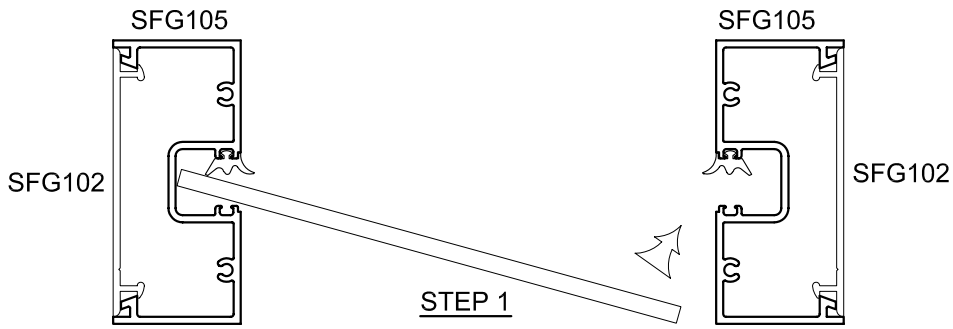
Blank

1.E.606

04.10

# SFG and SD Series

Shuffle Glazing - Single Glazed



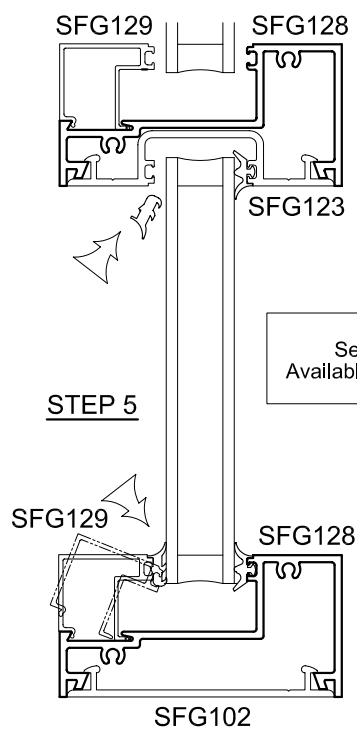
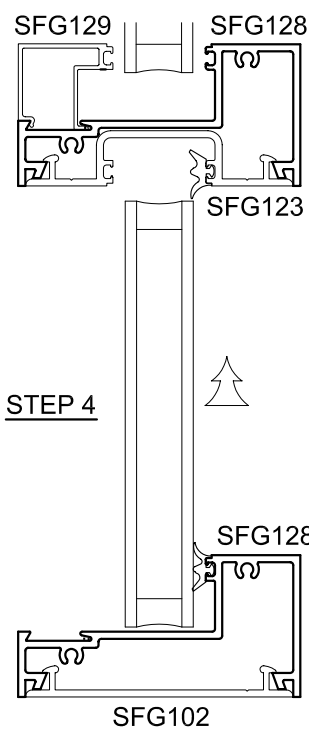
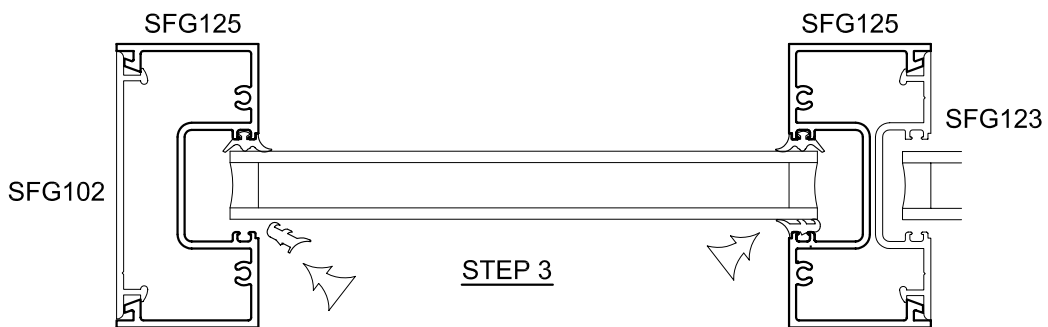
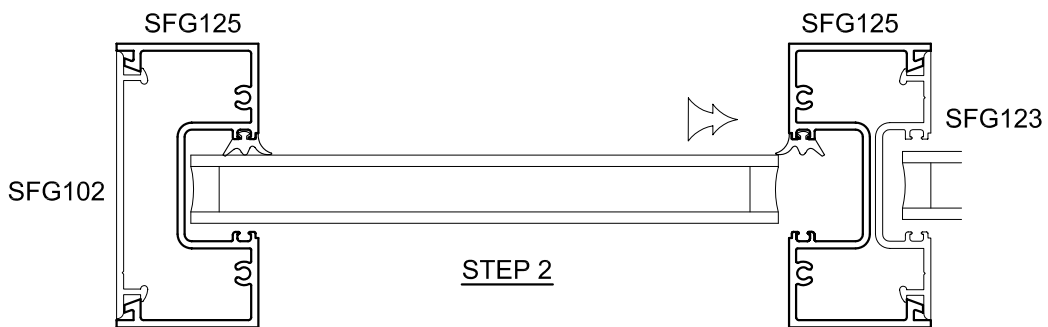
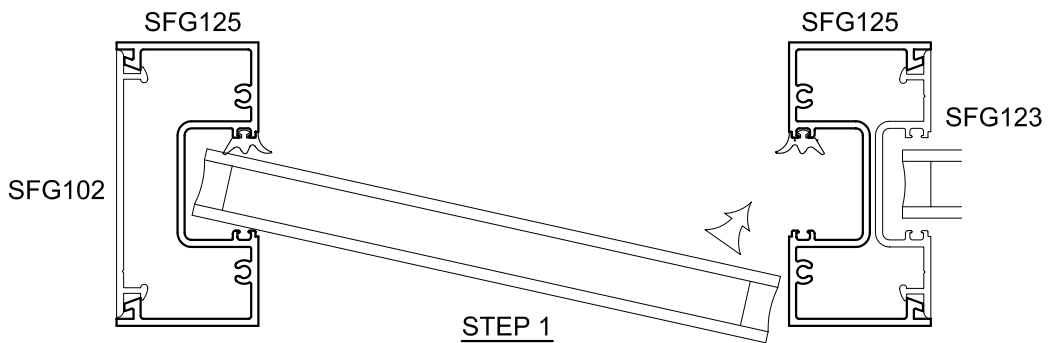
See Accessory Page 1.C.07 For Available Gasket, Glass and Bead Options

# SFG and SD Series

## Shuffle Glazing - Double Glazing

1.F.102

08.06



See Accessory Page 1.C.07 For Available Gasket, Glass and Bead Options

# 1.F.103

08.06

# SFG and SD Series

## Glazing

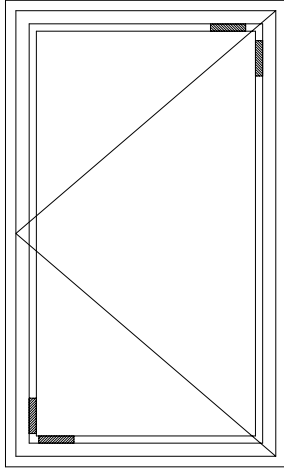


FIGURE A - CONVENTIONAL GLASS PACKING

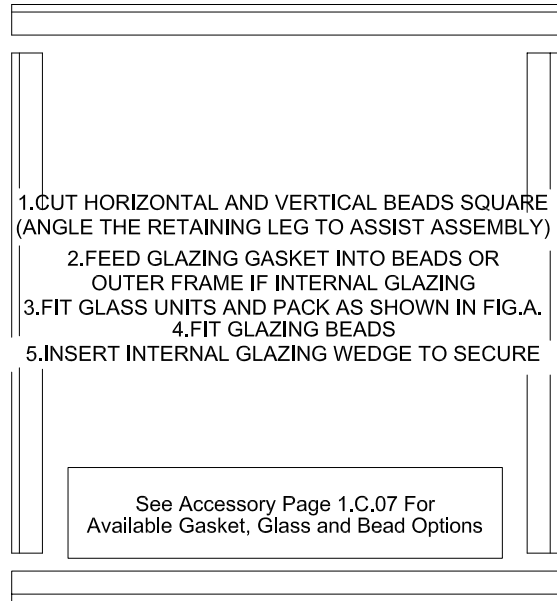
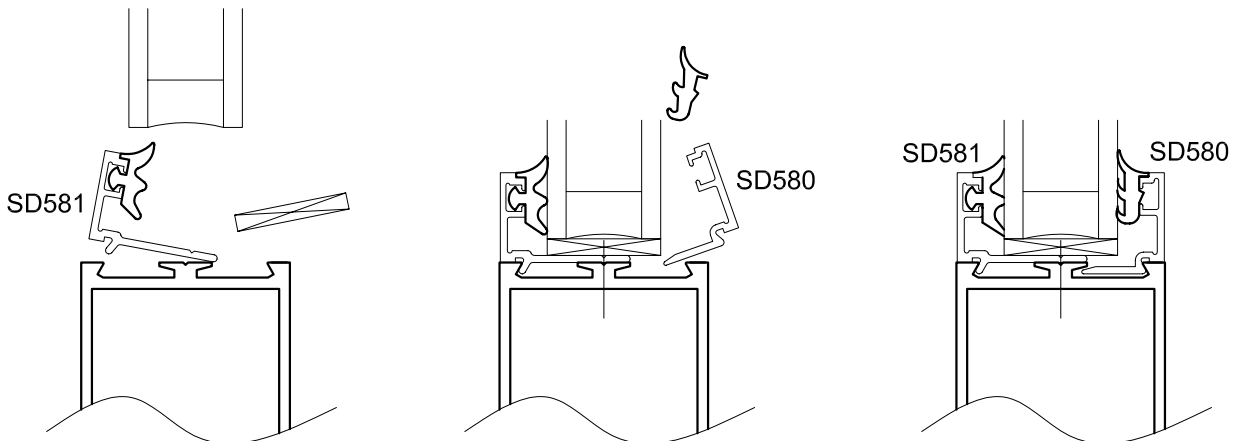
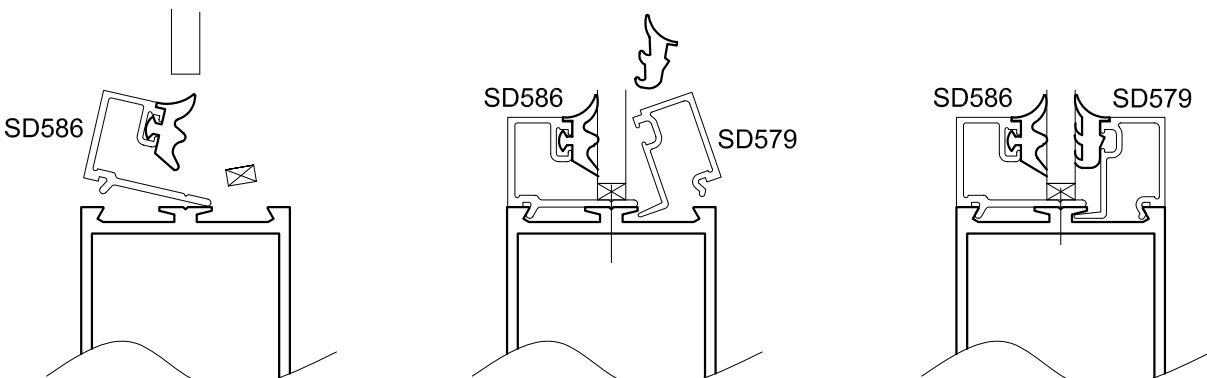


FIGURE B - BEAD CUTTING



If Using Fixed Bead Rails, SD581 May Be Replaced With SD580 On Door Stiles



If Using Fixed Bead Rails, SD586 May Be Replaced With SD579 On Door Stiles