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Updates

DATE	PAGE	DESCRIPTION
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Specification

GENERAL DESCRIPTION

Designer Doors are a range of doors to suit all types and styles of home:

- Modern Door Range - Ideal for new homes and apartments, offering a modern look for a striking design statement.
- Traditional Door Range - Designed to recreate the traditional elegance of Victorian, Edwardian and Georgian entrance doors.
- Cottage Range - Has been inspired by the timeless elegance of traditional village cottages and country homes, their designs developed to perfectly suit the more classical house styles.
- Vintage Range - Designed to reflect the timeless elegance and classic style of 1920s and 1930s Art Deco doors.

By using the correct glass/spacer bar configurations, Designer Doors can achieve and exceed the current Approved Document L requirements.

Important Note: Corner assembly of side lights and fanlights using SPD710 is by manual crimper only.

PROFILE SPECIFICATION

The door frame is constructed of aluminium alloy extrusion to BS EN 755-9 and BS EN 12020, extruded from 6060 T6 alloy. The internal and external extrusions are separated with a polyamide thermal break.

The external aluminium alloy extrusion is pre-treated and finished either:-

- Anodised to BS 3987: 1987, grade AA25 to a natural self colour.
- Polyester powder organic coating to BS 6496. Dual colour is available.

GENERAL MANUFACTURING

Outer and vent frames are made by cutting the frame profiles with accurate 45° mitred ends using Tungsten Carbide Tipped Saw Blades, operating at approximately 3000 rpm.

The door outer frame and sash corners are joined using the Designer Doors mechanical cleats to form a cold forged corner joint.

The fixed light corners are joined using crimping cleats to form a cold forged corner joint (made by deforming small slugs of metal into the groove of the corner cleat).

The ends of transoms and mullions are profiled to fit the frame and fixed using self-tapping screws with a small joint sealant.

On polyester powder coated finishes, great care should be taken to avoid getting gap sealer on visible surfaces and should be removed as soon as possible with a clean cloth.

Care should be exercised when using products not supplied by Smart Systems Ltd as no responsibility can be accepted.

Specification

DESIGNER DOOR OVERALL SIZE LIMITATIONS

Doors	Maximum Width (mm)	Minimum Width (mm)	Maximum Height (mm)	Minimum Height (mm)
Modern	1200	860 ^(a)	2400	1960 ^(a)
Traditional	1200	880	2400	2050
Cottage	1200	880	2400	2050
Vintage	1200	880	2400	2050

Note: a) Size Limit varies based on design. Please check limits on <https://smartdoorbuilder.co.uk/>

For advise on sizes outside of the design limitations, please contact the Technical Department at Smart Systems Ltd Tel: 01934 876100

DRAINAGE

As with all dry glazed systems, it is recommended that the system is adequately drained and ventilated. Refer to drainage details in manual, if in doubt ask The Technical Department.

OUTER FRAME MANUFACTURING INFORMATION

The outer frame members are cut with 45° mitred ends to the overall size required, measured to the longest point of the metal.

Prior to corner crimping, the centre line position of any transoms or mullions should be marked on the outer frame members. Where the transom/mullion runs right through, it should be marked out on both jambs or head and cill members in pairs to ensure accurate alignment of the sections.

Using the marked centre line, drill the transom/mullion fixing holes using a 5mm dia. drill bit.

Corners are formed by coating the cut faces to be joined with a suitable small gap sealer ACSIL04. Into the mitred corner insert the cleat glue ACSIL013 and the required corner cleats and, where required, the aluminium corner chevrons. The two mitred ends are then brought together and crimped. The small gap sealer ensures a permanent joint and guards against the ingress of moisture and joint movement. After crimping the corner joint, special care should be taken to ensure any excess sealer is removed from painted surfaces.

Transoms or mullions are cut with square ends to the sizes calculated on the cutting formula sheets. The ends are then profiled to allow them to fit into the outer frame. Special tooling is available on request to profile the end of transom/mullion.

Prior to fixing of transoms and mullions smear the cut ends with a suitable small gap sealer ACSIL04. After fixing, special care should be taken to ensure any excess is cleared from painted surfaces.

Specification

GLAZING

All beads are cut to suit the glazing aperture on the fully assembled frame for glazing either at factory or on site as required.

INTERNALLY BEADED GLAZING

Glazing beads are fitted to openings by cutting the horizontal beads square to head and cill of each fixed light area. Vertical beads are cut square at both ends. Insert bottom beads and two setting blocks to ensure glass will be centralized in vertical dimension of opening (glazing blocks must be full width of cavity to fully support glass or sealed unit), then insert top bead followed by side beads. Finish glazing by insertion of internal gaskets all round.

GLAZING SPECIFICATION

All Designer Doors where glass is included are triple glazed units, either 66.8mm thick or 61.6mm depending on the design.

The majority of our modern doors have a glass unit that has a thickness of 66.8mm and is not replaceable after door manufacture.

For all the doors that have raised glass mouldings the glass specification is as follows (Outside to Inside):

6.8mm Clear Laminated
24mm Warm Edge Spacer
4mm Toughened Satin
24mm Warm Edge Spacer
6.8mm Planitherm Total Plus

N.B. If necessary it is possible to replace the glazing on all doors that have raised glass mouldings from the inside of the door only. See pages E13 - E15 for details.

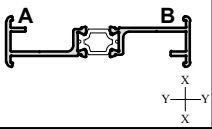
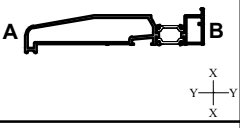
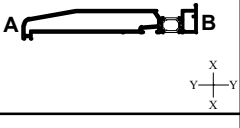
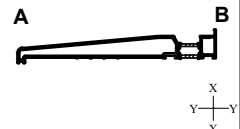
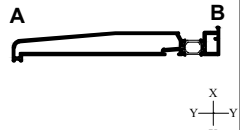
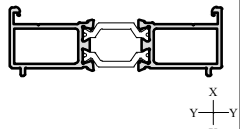
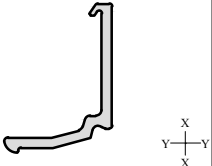
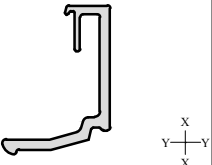
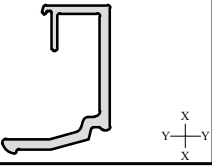
Designer Doors U Values

Please refer to the Smart Systems' Document L White Paper for more information or contact the Technical Department.

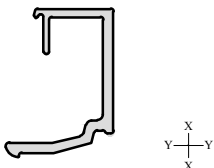
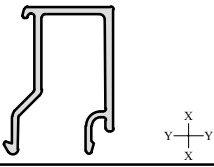
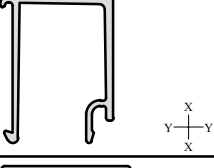
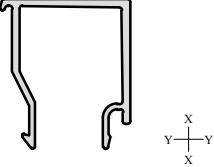
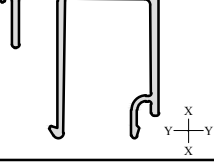
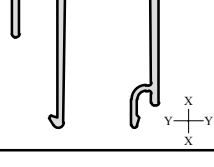
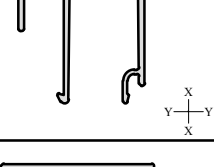
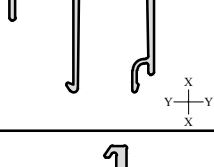
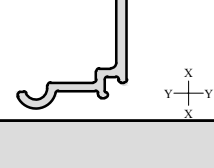
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SPD703		A12	345	64	32.94 — 6.76	1.21 — 1.29	6.5	1		✓			
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SPD760		A14	165	64	- — -	- — -	6.5	1	✓	✓	✓	✓	
SPD762		A14	216	73	- — -	- — -	6.5		✓	✓	✓	✓	
SPD710		A16	401	107	33.02 — 8.76	10.75 — 4.7	6.5		✓	✓	✓	✓	✓
SPD730		A17	671	107	259.16 — 30.49	95.55 — 29.40	6.5		✓	✓	✓	✓	✓
SPD750		A21	31	10	- — -	- — -	4			✓			
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		

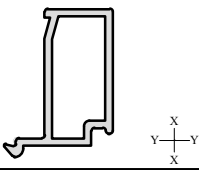
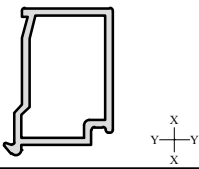
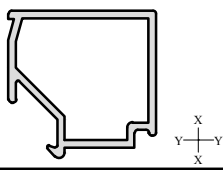
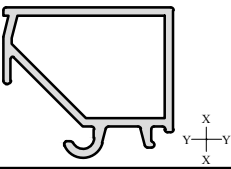
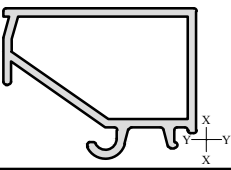
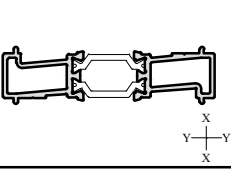
PROFILES : TECHNICAL INFORMATION

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ETC458		A20	524	252	313.62 ----- 32.63	8.87 ----- 4.79	6.5	1	✓	✓	✓	✓	✓
ETC477		A21	782	404	1591.6 ----- 105.33	26.84 ----- 12.84	5	1	✓	✓	✓	✓	✓
ETC479		A20	594	287	501.64 ----- 44.04	9.72 ----- 5.34	6.5	1	✓	✓	✓	✓	✓
ETD057		A15	251	41	16.30 ----- 4.66	1.12 ----- 1.55	6.5	1	✓	✓	✓	✓	✓
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GL012		A18	117.4	33.4	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		

PROFILES : TECHNICAL INFORMATION

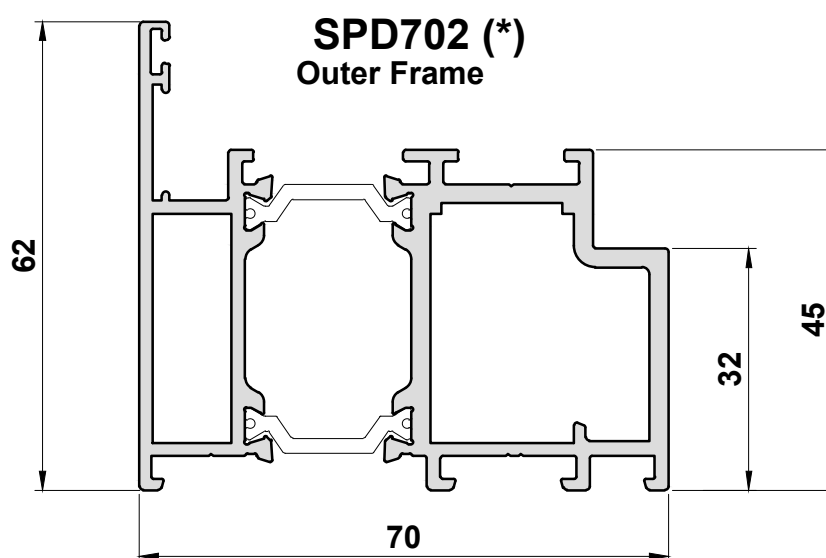
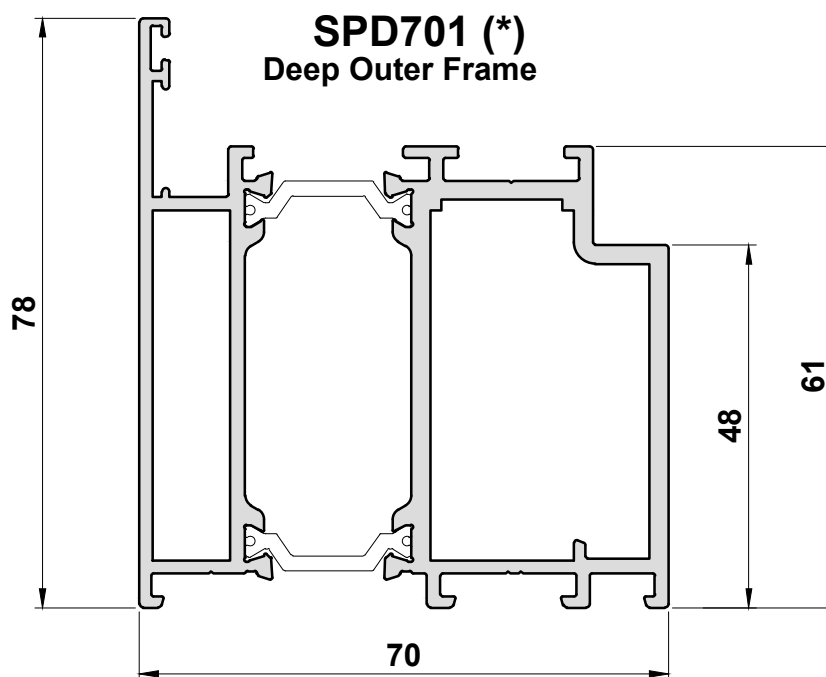
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GL026		A18	169.2	47.3	- -	- -	6.5	1	✓	✓	✓	✓	
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GL030		A18	187.8	51.2	- -	- -	6.5	1	✓	✓	✓	✓	
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GL504		A19	96.2	24.6	- -	- -	6.5	1	✓	✓	✓	✓	
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PROFILES : TECHNICAL INFORMATION

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GL526		A19	112.2	47.6	- -	- -	6.5	1	✓	✓	✓	✓	
GL530		A19	131.2	51.6	- -	- -	6.5	1	✓	✓	✓	✓	
GL534		A19	137.3	55.6	- -	- -	6.5	1	✓	✓	✓	✓	
UN3000		A15	200	52	15.8 4.51	0.79 0.84	6.5	1	✓	✓	✓	✓	✓
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Primary Visible Side

Secondary Visible Side

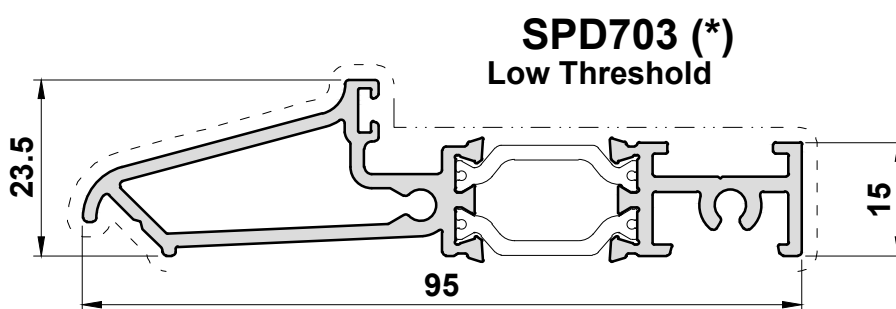


(*) Sold as part of assembled door. Not sold separately.

Scale 1:1

Primary Visible Side

Secondary Visible Side



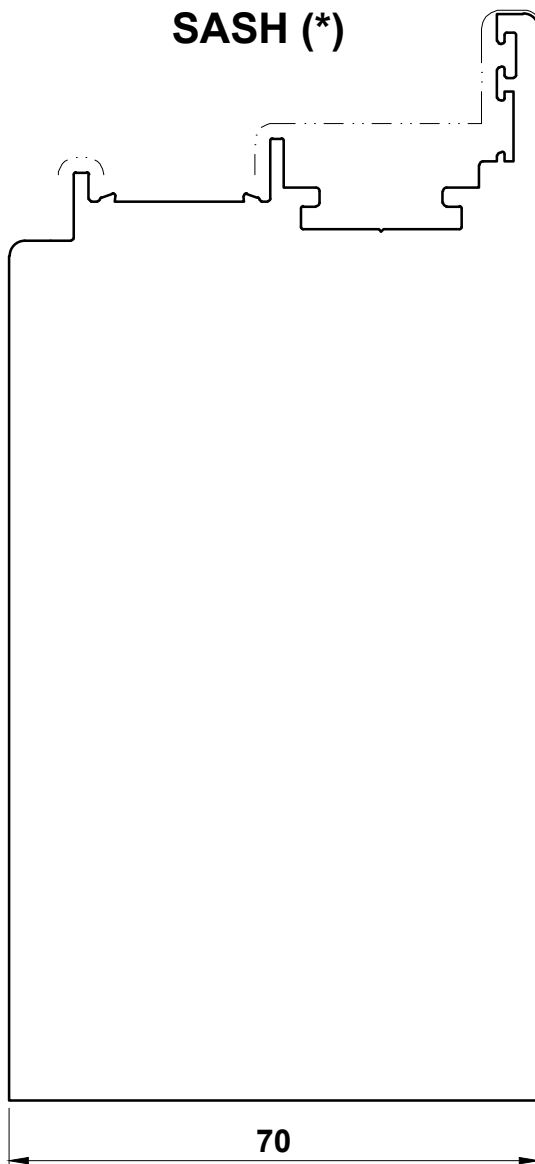
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(*) Sold as part of assembled door. Not sold separately.

Primary Visible Side

Secondary Visible Side

SASH (*)



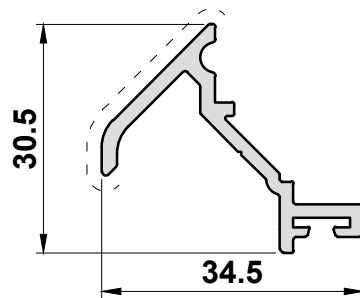
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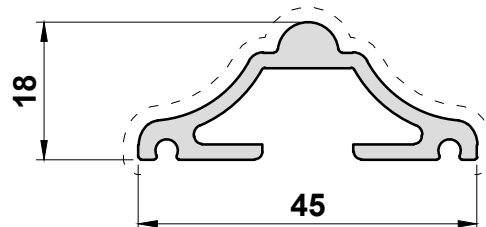
Primary Visible Side

Secondary Visible Side

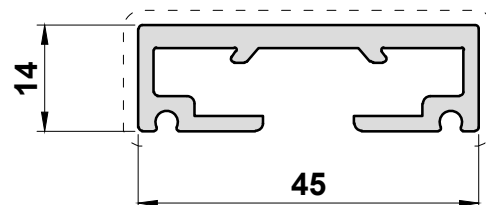
SPD706 (*)
Weather Drip
for SPD703



SPD760 (*)
Moulding



SPD762 (*)
Rectangular Moulding

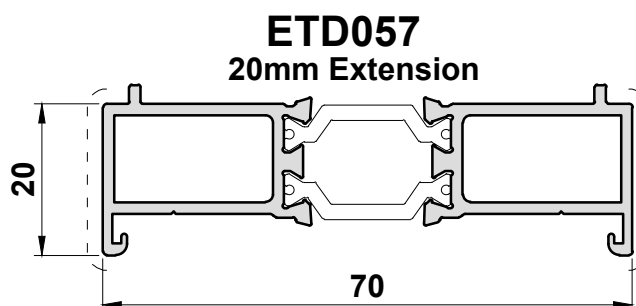
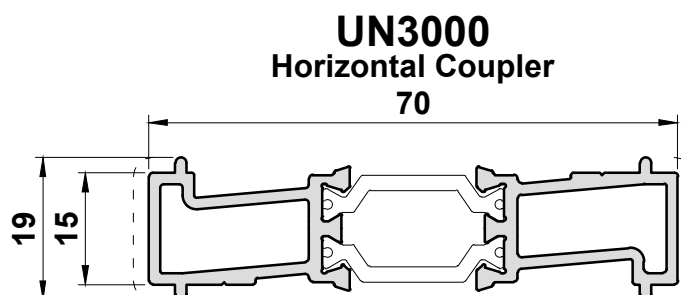
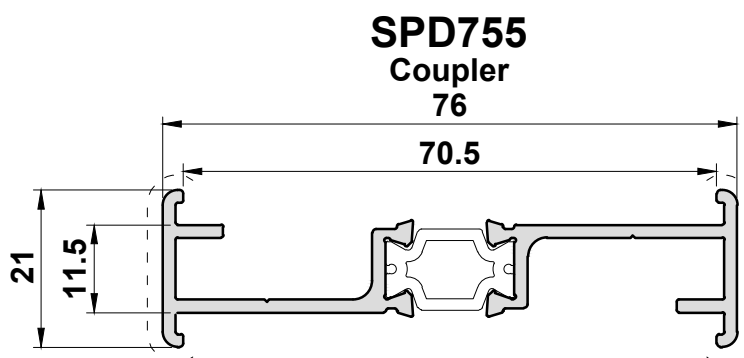


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(*) Sold as part of assembled door. Not sold separately.

Primary Visible Side

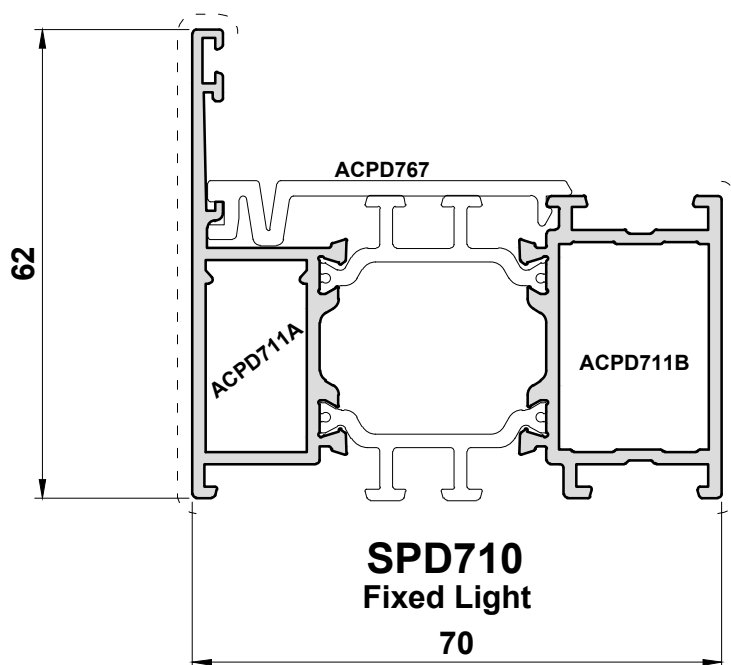
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Primary Visible Side

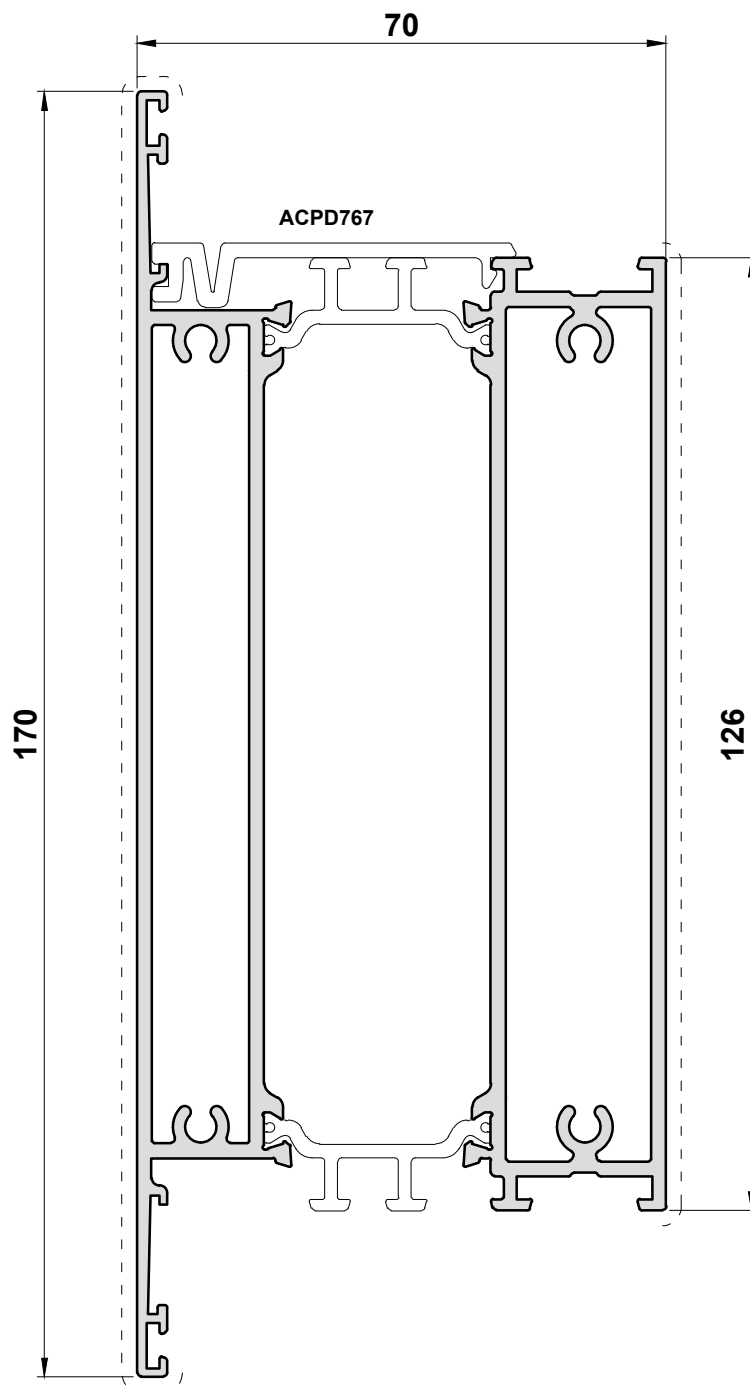
Secondary Visible Side



Scale 1:1

Primary Visible Side

Secondary Visible Side

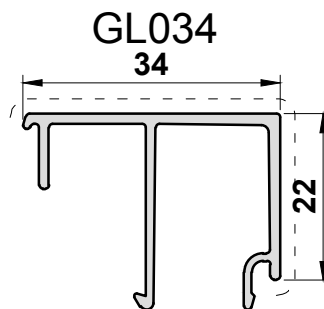
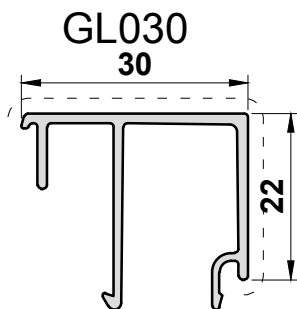
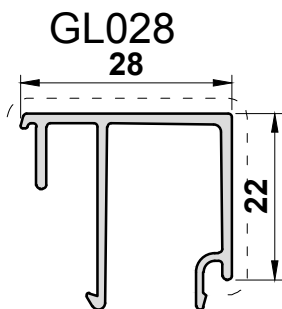
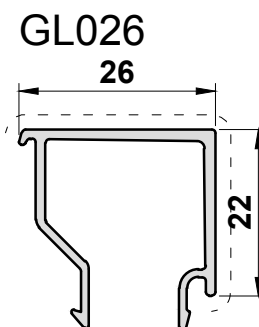
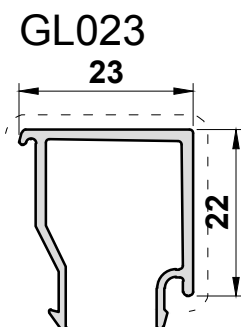
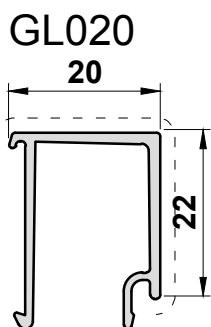
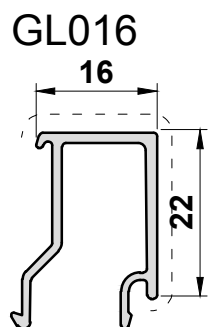
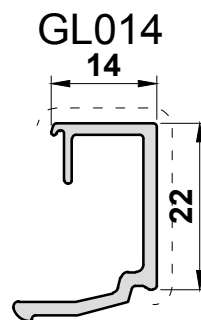
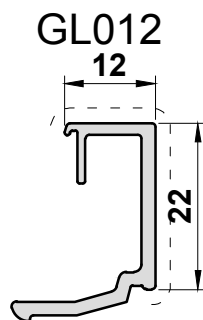
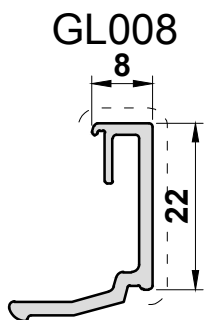
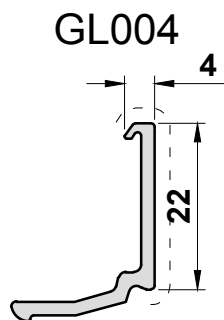


SPD730
Deep Transom

Scale 1:1

Primary Visible Side

Secondary Visible Side

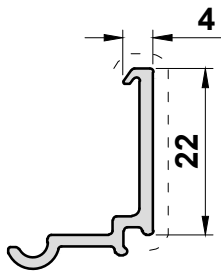


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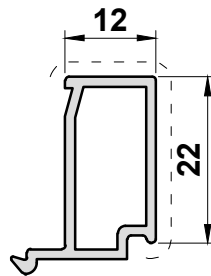
Primary Visible Side

Secondary Visible Side

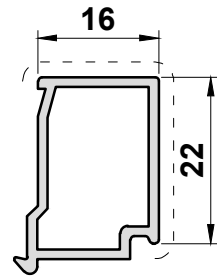
GL504



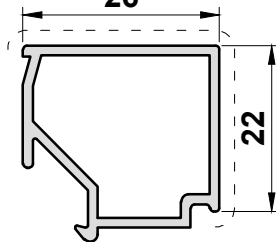
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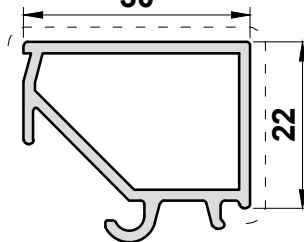
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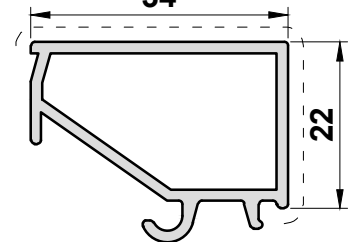
GL526
26



GL530
30



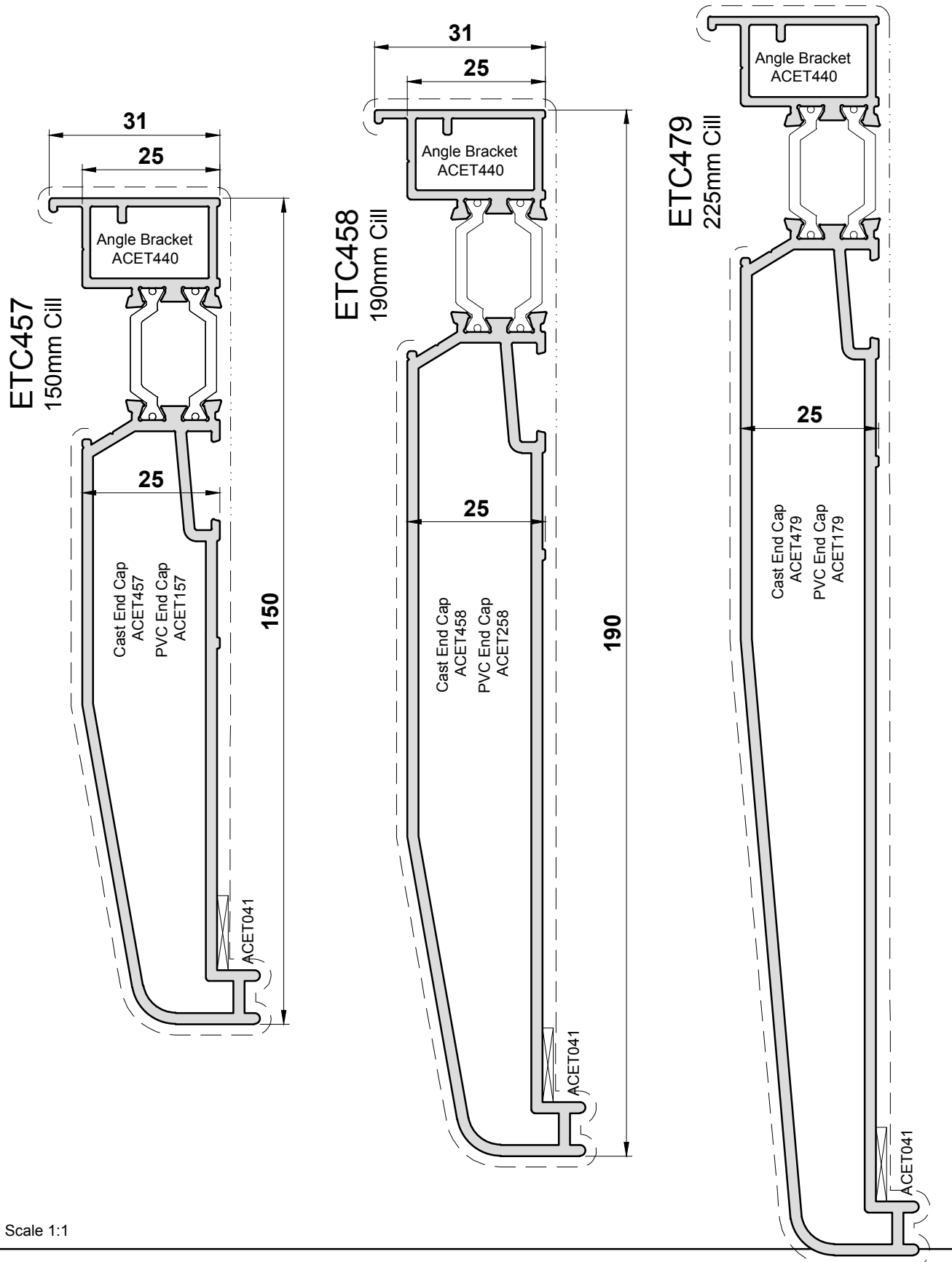
GL534
34



Scale 1:1

Primary Visible Side

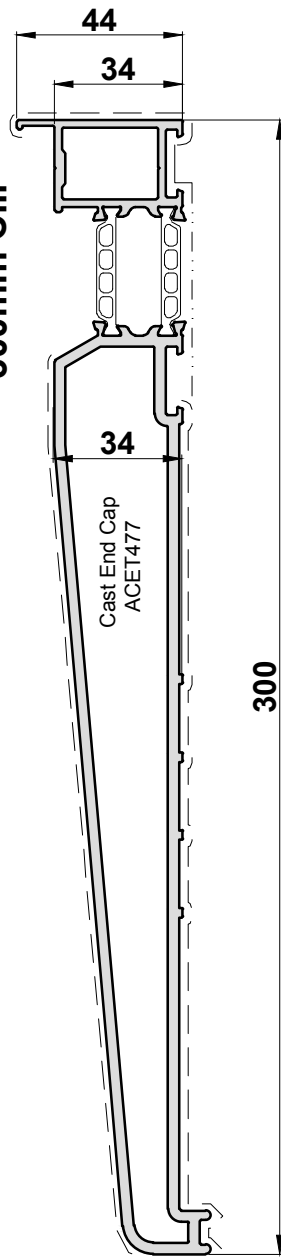
Secondary Visible Side



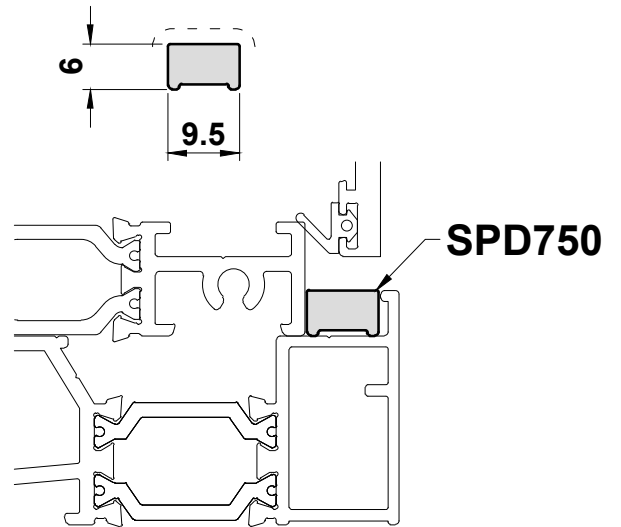
Primary Visible Side

Secondary Visible Side

ETC477
300mm Cill



SPD750
Cill Infill



Scale 1:2

Primary Visible Side - - - - -

Secondary Visible Side - - - - -

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Scale 1:1

Section B

Accessories

Photos & Drawings

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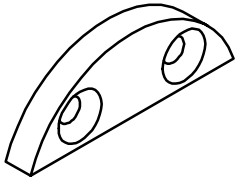
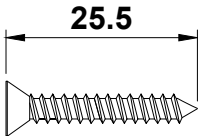
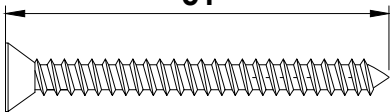
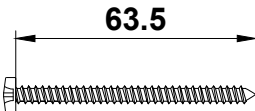
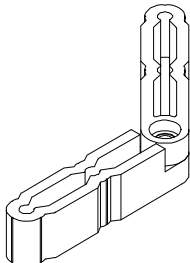
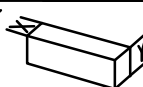
Image	Part Code	Pack	Unit	Application	Colour
	ACET041 Nose Bracket Variable Cill Joint	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACET060 7 x 1" S/S Self Tapping CSK Screw	100	pack		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACET062 No.10 x 2" S/S Self Tapping CSK Screw	100	pack		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACET079 No. 10 x 2½" Pan Head Screw	100	pack		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACET440 Variable Angle Cill Bracket	10	pack	ETC451 ETC452 ETC457 ETC458 ETC477 ETC479	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black	 	

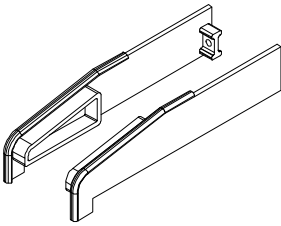
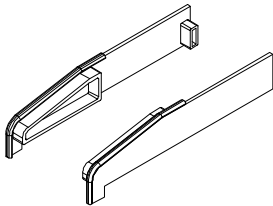
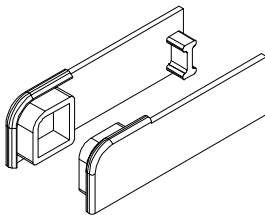
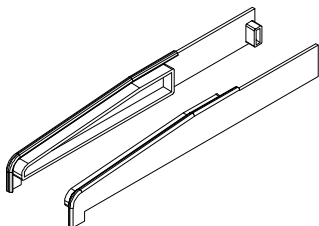
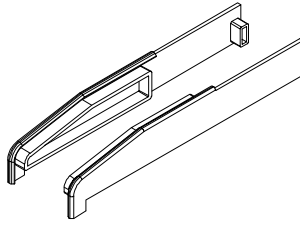
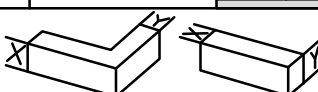
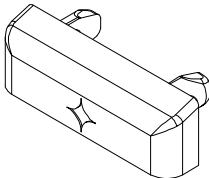
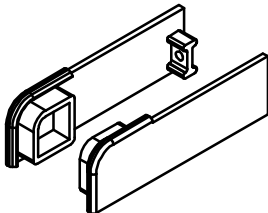
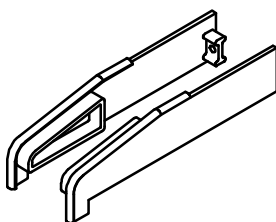
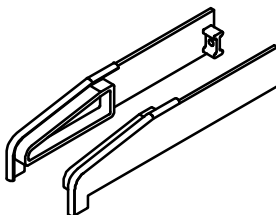
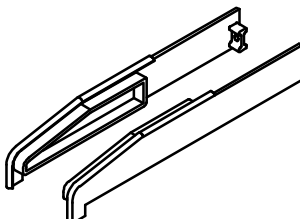
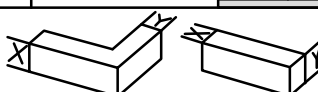
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	ACET152 PVC Cill End Cap	10	pairs	ETC452	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACET157 PVC Cill End Cap	10	pairs	ETC457	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACET178 PVC Cill End Cap	10	pairs	ETC451	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACET179 PVC Cill End Cap	10	pairs	ETC459	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACET258 PVC Cill End Cap	10	pairs	ETC458	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome		W = White Z = Black		

Image	Part Code	Pack	Unit	Application	Colour	
	ACET431 Colour Match Drainage Cap	8	pack		MF	
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACET451 Cast Cill End Cap	1	pair	ETC451	MF	✓
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACET452 Cast Cill End Cap	1	pair	ETC452	MF	✓
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACET457 Cast Cill End Cap	1	pair	ETC457	MF	✓
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACET458 Cast Cill End Cap	1	pair	ETC458	MF	✓
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome		W = White Z = Black		

ACCESSORIES : PHOTOS & DRAWINGS

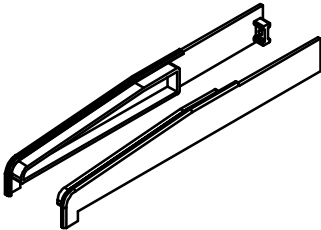
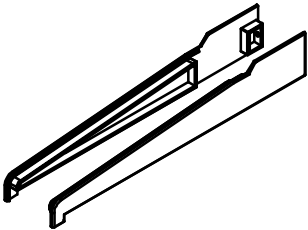
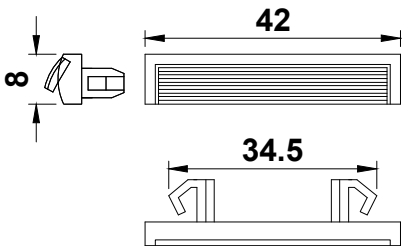
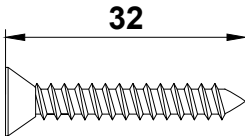
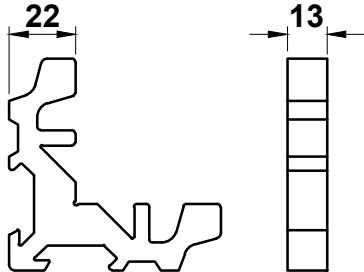
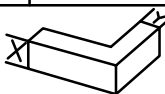
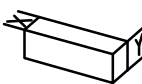
Image	Part Code	Pack	Unit	Application	Colour	
	ACET479 Cast Cill End Cap	1	pair	ETC459	MF	✓
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACET477 Cast Cill End Cap	1	pair	ETC477	MF	✓
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACGSL045 Drainage Cover Cap	100	pack		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACIM062 No.10 x 1 1/4" S/S Self Tapping CSK Screw	100	pack		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACPD711A SPD710 Outer Cleat	24	pack	SPD710	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black	 		

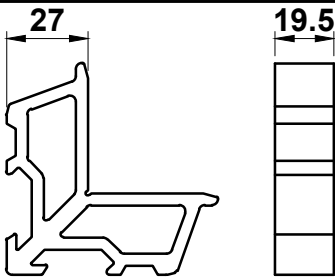
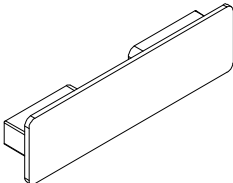
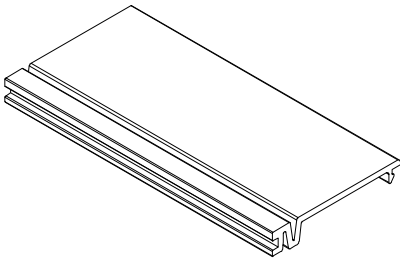
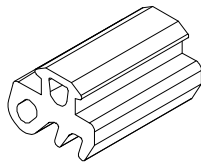
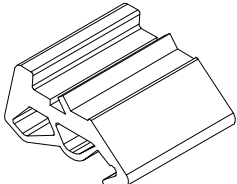
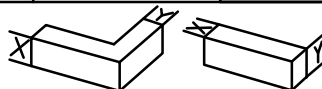
Image	Part Code	Pack	Unit	Application	Colour		
	ACPD711B SPD710 Inner Cleat	24	pack	SPD710	MF	✓	
					SA		
					KL		
					HP		
					SSC		
					SMC		
					W		
					Z		
					PC		
	ACPD765 End Caps for SPD755	20	pack	SPD755	MF		
					SA		
					KL		
					HP		
					SSC		
					SMC		
					W		
					Z	✓	
					PC		
	ACPD767 SPD710 Bridge Packer	10	pack	SPD710	MF		
					SA		
					KL		
					HP		
					SSC		
					SMC		
					W		
					Z		
					PC		
	ACVG31N Glazing gasket outside 3mm rotated ACFT031N	200	m		MF		
					SA		
					KL		
					HP		
					SSC		
		6000	m		SMC		
					W		
					Z		
					PC		
	ACVG32N Glazing gasket inside 3mm rotated ACFT032N	100	m		MF		
					SA		
					KL		
					HP		
					SSC		
		2400	m		SMC		
					W		
					Z		
					PC		
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm  Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome		W = White Z = Black				

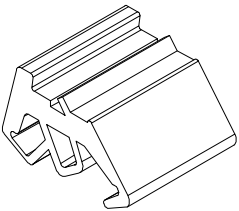
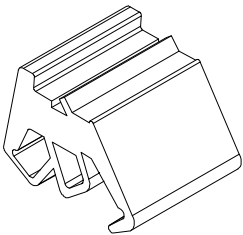
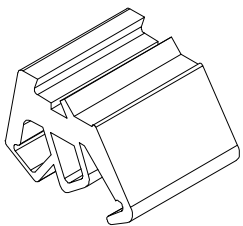
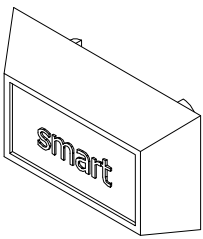
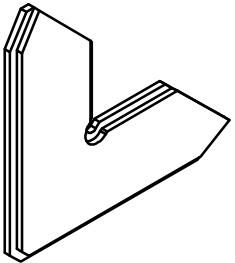
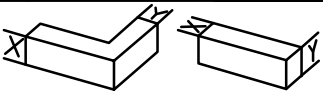
Image	Part Code	Pack	Unit	Application	Colour
	ACVG33N Glazing gasket inside 4mm rotated	100	m		MF ☒ SA ☐ KL ☐ HP ☐ SSC ☐ SMC ☐ W ☐ Z ☐ PC ☐
	ACFT033N	2400	m		
	ACVG340N Glazing gasket inside 6mm rotated	100	m		MF ☐ SA ☐ KL ☐ HP ☐ SSC ☐ SMC ☐ W ☐ Z ☐ PC ☐
	ACFT340N	2400	m		
	ACVG34N Glazing gasket inside 5mm rotated	100	m		MF ☐ SA ☐ KL ☐ HP ☐ SSC ☐ SMC ☐ W ☐ Z ☐ PC ☐
	ACFT034N	2400	m		
	ACVG45N Drainage Cover Cap	100	pack		MF ☐ SA ☐ KL ☐ HP ☐ SSC ☐ SMC ☐ W ☒ Z ☒ PC ☐
	ACVL020B SPD710 Plastic Chevron	200	pack	SPD710	MF ☐ SA ☐ KL ☐ HP ☐ SSC ☐ SMC ☐ W ☐ Z ☐ PC ☐
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm  Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			

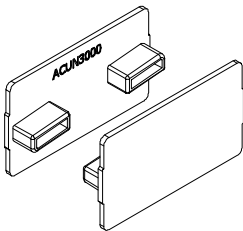
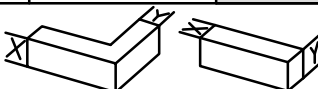
Image	Part Code	Pack	Unit	Application	Colour	
	ACUN3000 End Caps for UN3000	10	pairs	UN3000	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	ACUN3512 No. 8 x 32mm CSK SS Pozi Screw	100	pack	SPD755 UN3000	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACUN3513 No.8 x 45mm CSK SS Pozi Screw	100	pack	SPD755 UN3000	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
					MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
 T-BARS ACVG65=2.5mm ACVG65=3.0mm ACVL150=4.0mm  Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome				MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
						

Image	Part Code	Pack	Unit	Application	Colour		
	ACMX09700 Alu. Polish	1	each		MF	✓	
					SA		
					KL		
					HP		
					SSC		
					SMC		
					W		
					Z		
					PC		
	ACMX09761 Maxi Gloss	1	each		MF		
					SA		
					KL		
					HP		
					SSC		
					SMC		
					W		
					Z		
					PC		
	ACMX09762 Alu. Bright	1	each		MF		
					SA		
					KL		
					HP		
					SSC		
					SMC		
					W		
					Z		
					PC		
	ACMX09763 Teflon Spray	1	each		MF		
					SA		
					KL		
					HP		
					SSC		
					SMC		
					W		
					Z		
					PC		
	ACMX09764 Maxi Clean	1	each		MF		
					SA		
					KL		
					HP		
					SSC		
					SMC		
					W		
					Z		
					PC		
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome		W = White Z = Black			

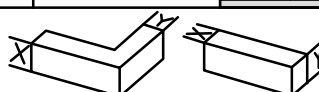
Image	Part Code	Pack	Unit	Application	Colour	
	ACMX09765 Alu. Cleaner	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMX09770 Roll & Wrap 100mm	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMX09775 Grip Handwrap	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMX09801 Protective Tape 50mm	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMX09802 Protective Tape 70mm	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome		W = White Z = Black		

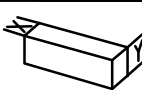
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	ACMX09803 Protective Tape 100mm	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMX09830 Rubber Sealant	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACSIL04 Sealing Glue Order with suffix of KL colour (eg.ACSIL04KL005) or BL=Black/WP=White/ CL=Clear	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACSIL08 Silicon Gun	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACSIL013 Glue for Mitre	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black	 	

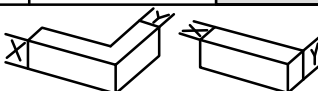
Image	Part Code	Pack	Unit	Application	Colour	
	ACSIL014 Anti-Corrosion Coating	1	each		MF	☒
					SA	☐
					KL	☐
					HP	☐
					SSC	☐
					SMC	☐
					W	☐
					Z	☐
					PC	☐
	ACUN3900 Gasket Roller	1	each		MF	☐
					SA	☐
					KL	☐
					HP	☐
					SSC	☐
					SMC	☐
					W	☐
					Z	☐
					PC	☐
					MF	☐
					SA	☐
					KL	☐
					HP	☐
					SSC	☐
					SMC	☐
					W	☐
					Z	☐
					PC	☐
					MF	☐
					SA	☐
					KL	☐
					HP	☐
					SSC	☐
					SMC	☐
					W	☐
					Z	☐
					PC	☐
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome				MF	☐
					SA	☐
					KL	☐
					HP	☐
					SSC	☐
					SMC	☐
					W	☐
					Z	☐
					PC	☐
						

Image	Part Code	Pack	Unit	Application	Colour
					MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
					MF
					SA
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					Z
					PC
					MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm  Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			

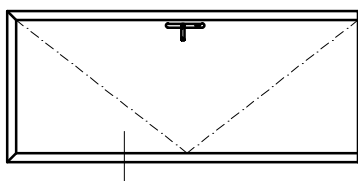
Section C

Sections

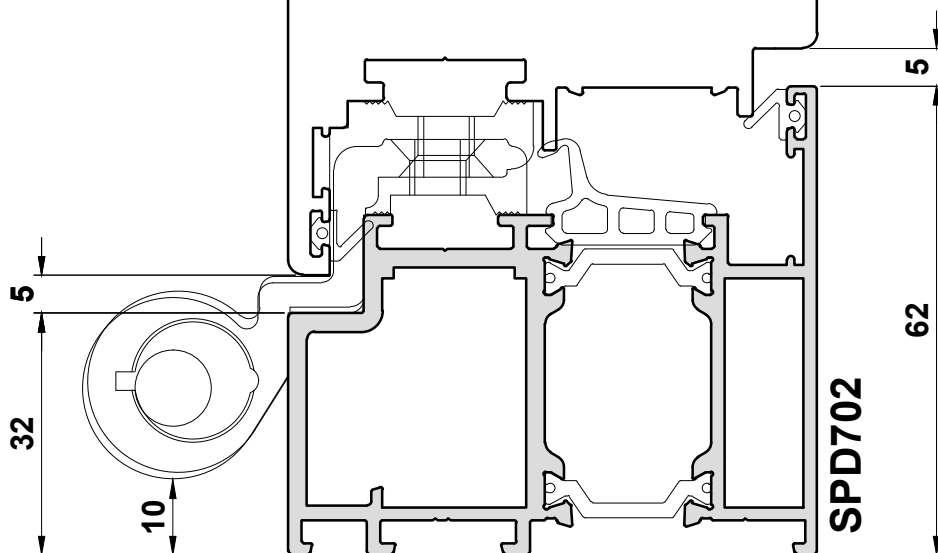
Scale Elevations

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Hinge Jamb 1

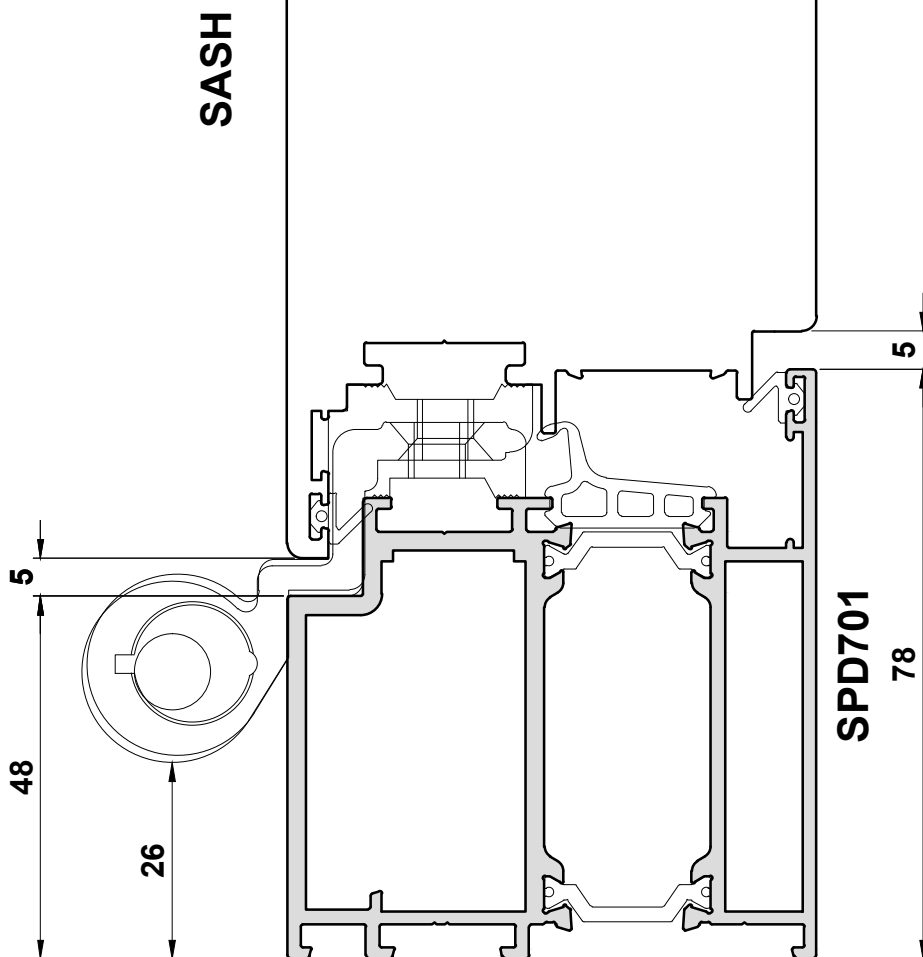
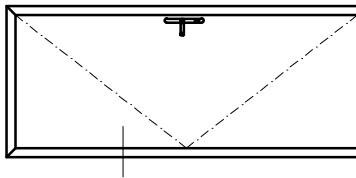


SASH



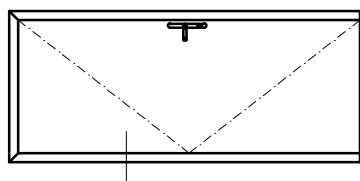
Do Not Scale From This Drawing

Hinge Jamb 2

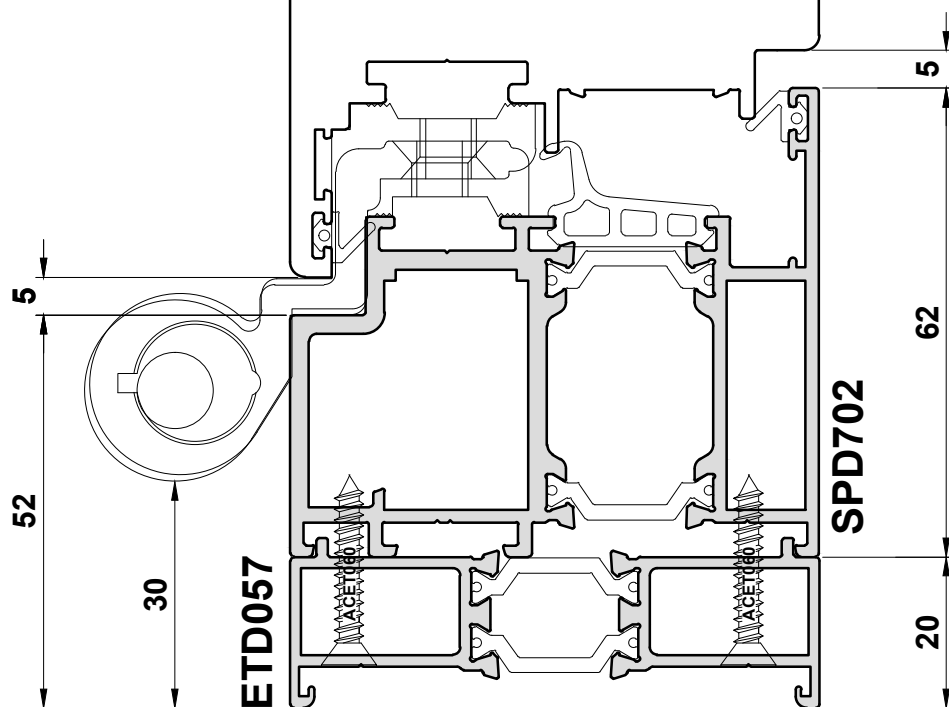


Do Not Scale From This Drawing

Hinge Jamb 3

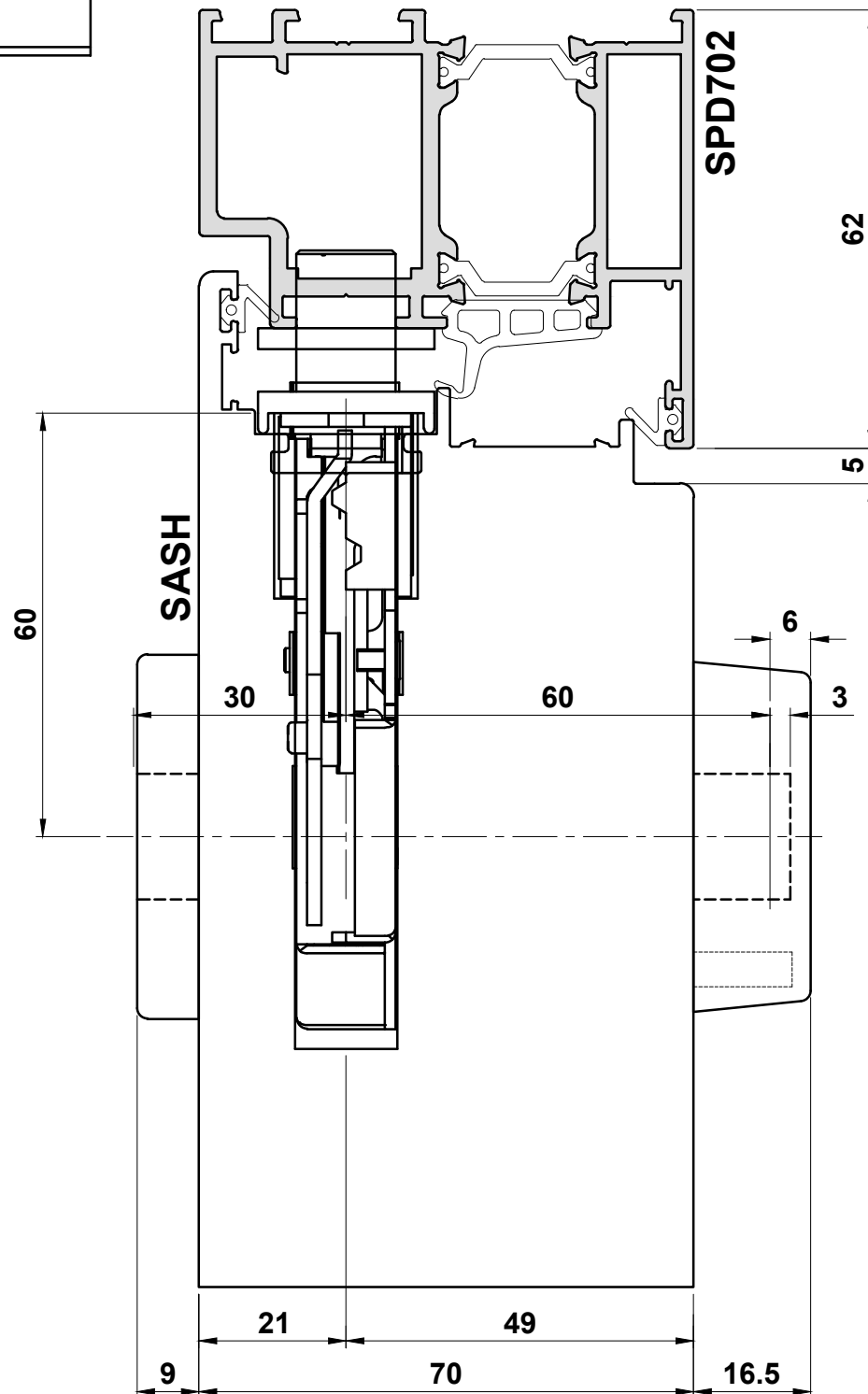
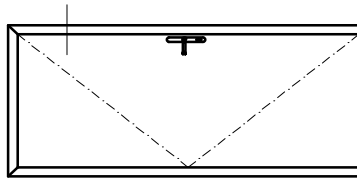


SASH



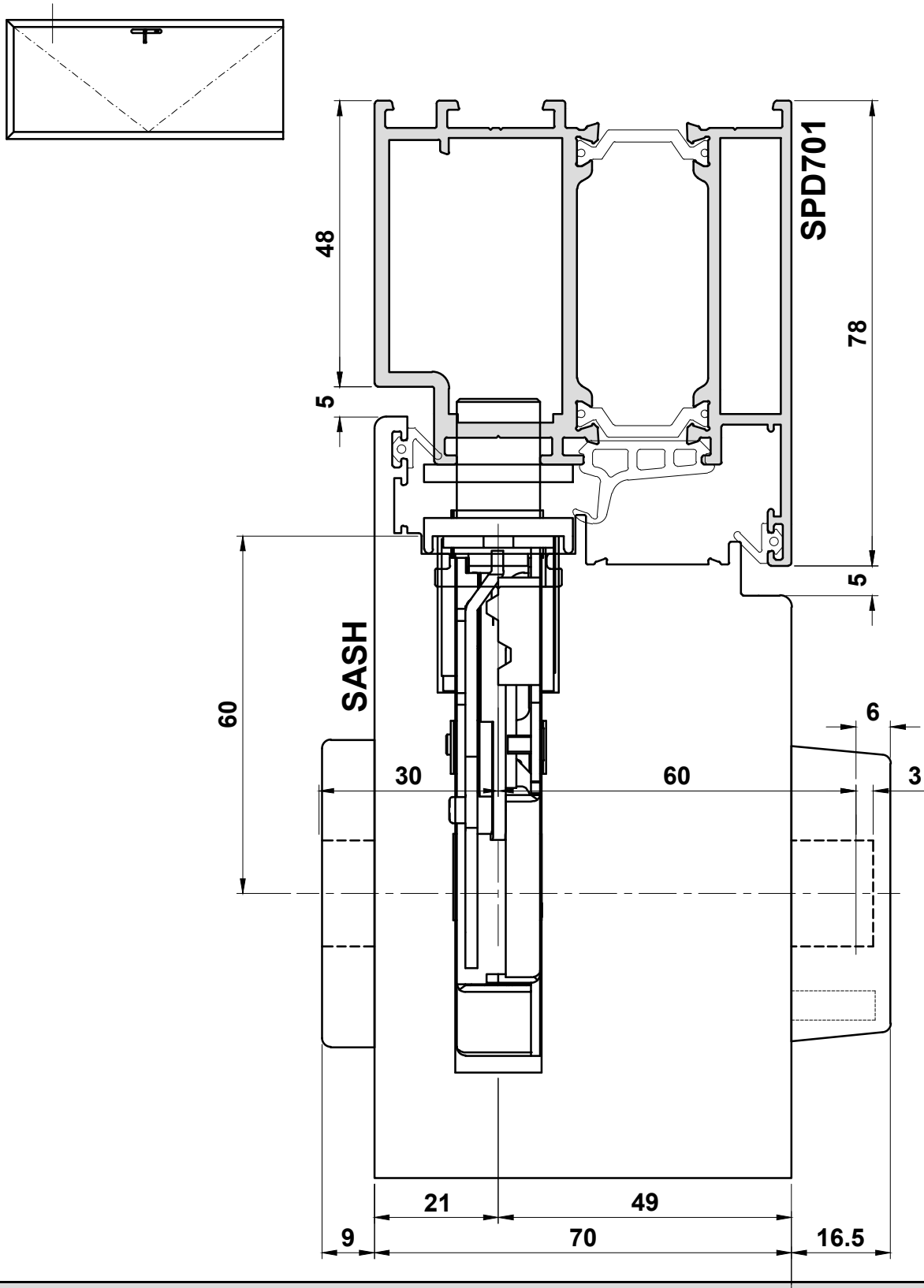
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Lock Jamb 1



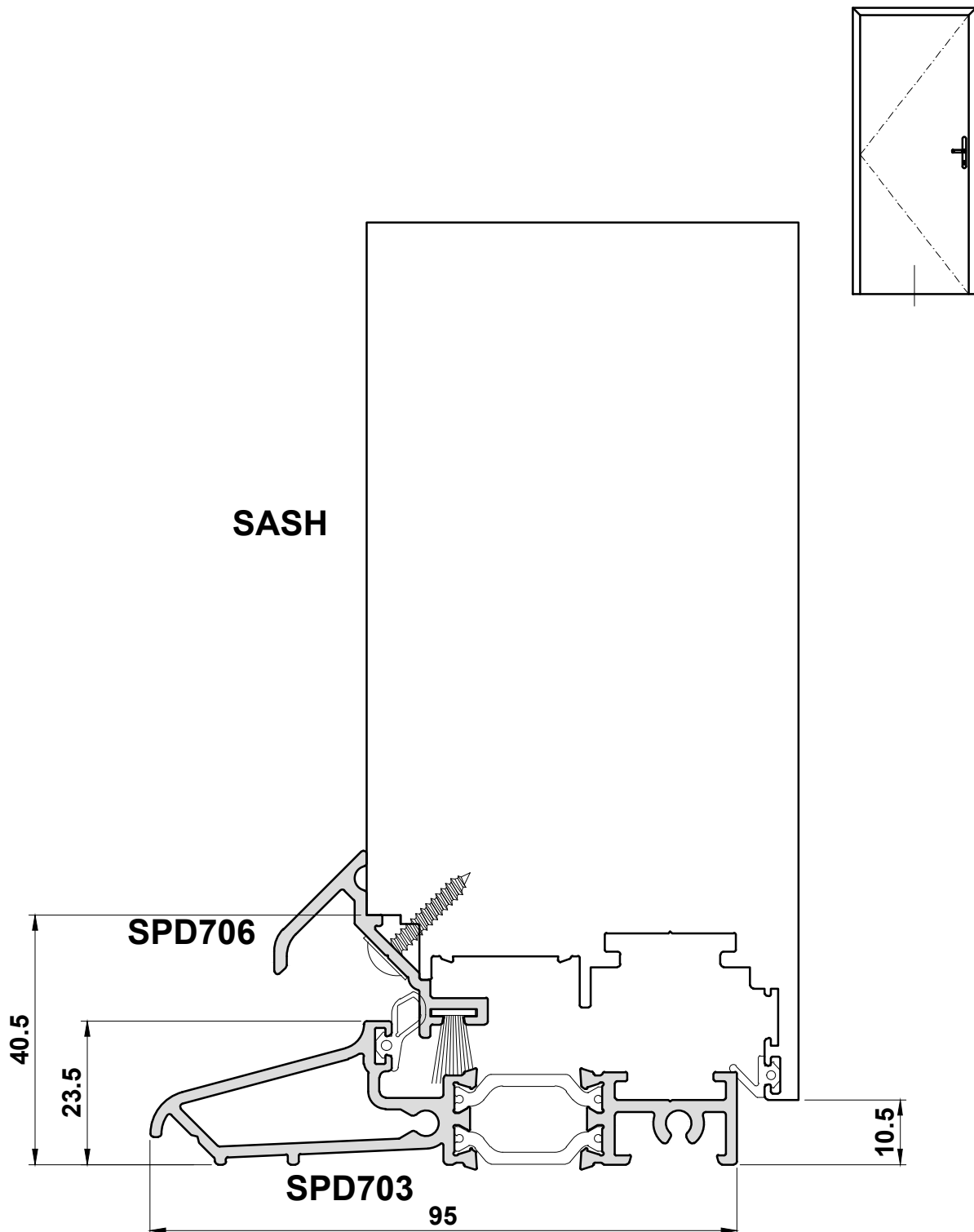
Do Not Scale From This Drawing

Lock Jamb 2



Do Not Scale From This Drawing

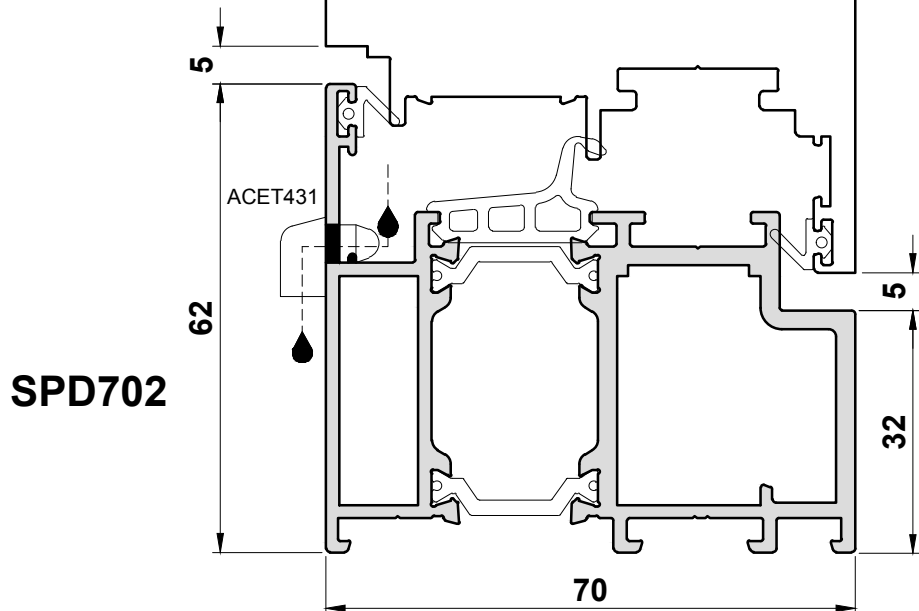
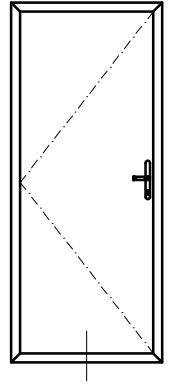
Threshold A



Do Not Scale From This Drawing

Threshold B

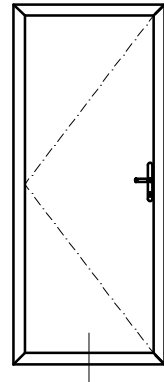
SASH



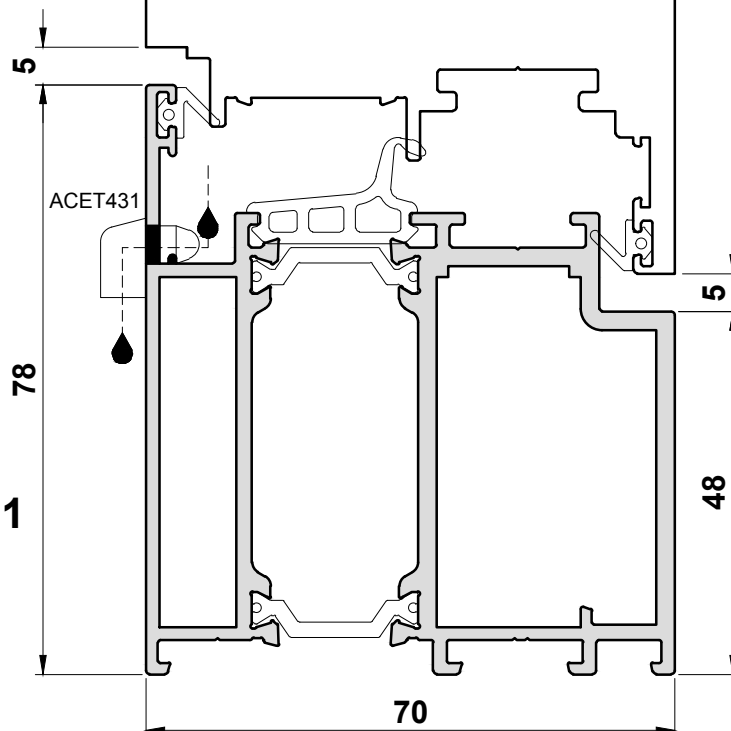
Do Not Scale From This Drawing

Threshold C

SASH

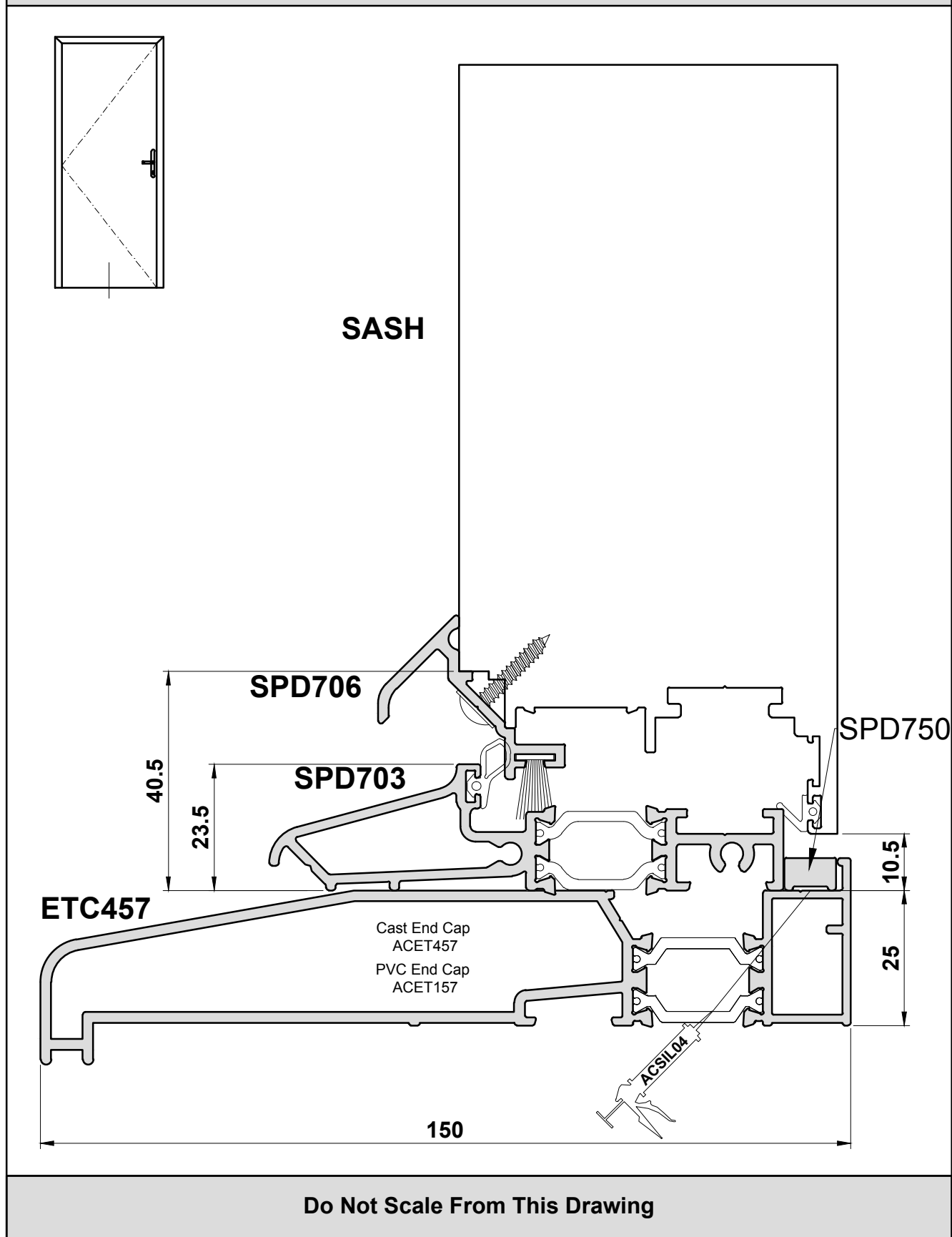


SPD701

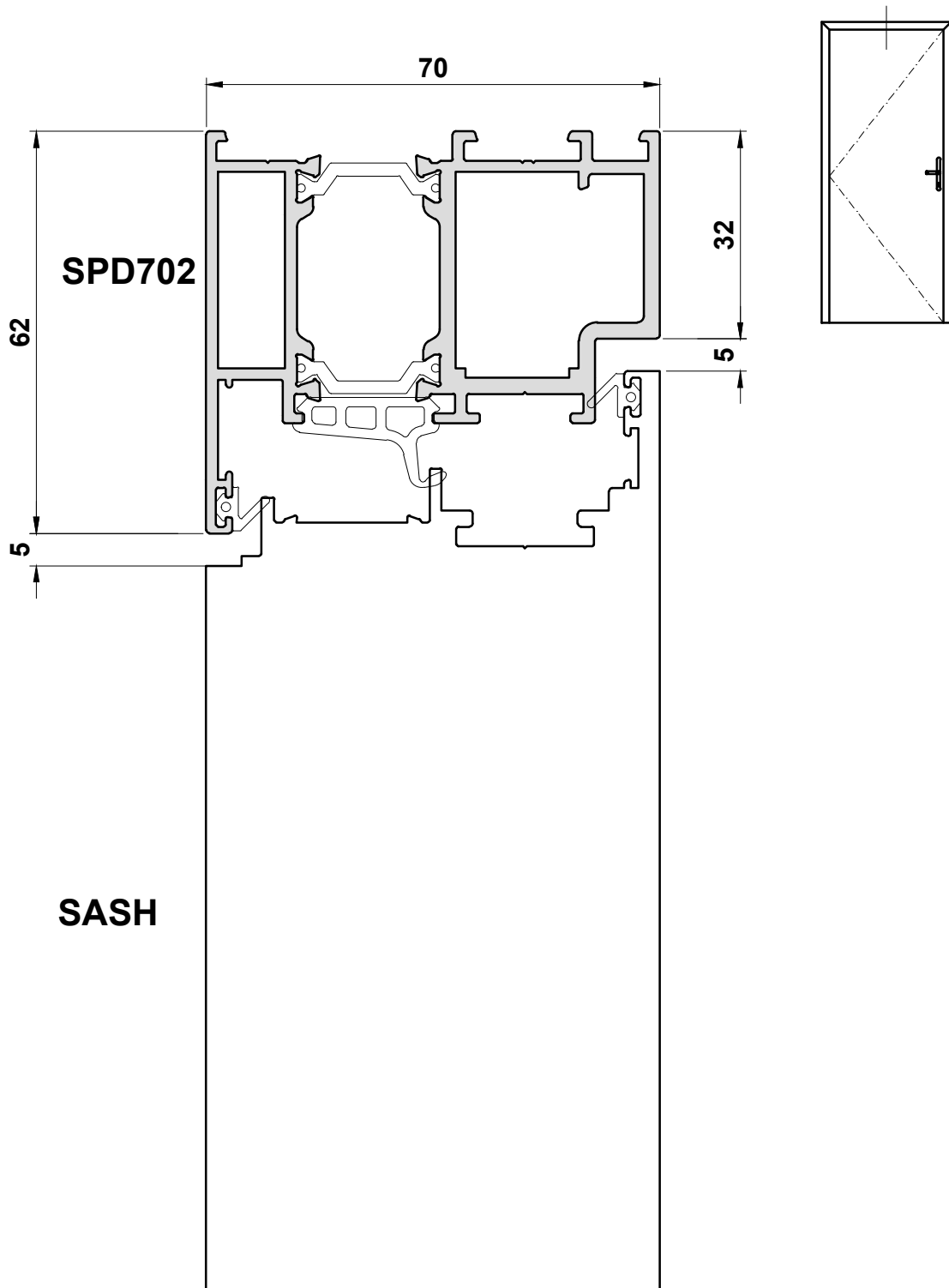


Do Not Scale From This Drawing

Threshold D

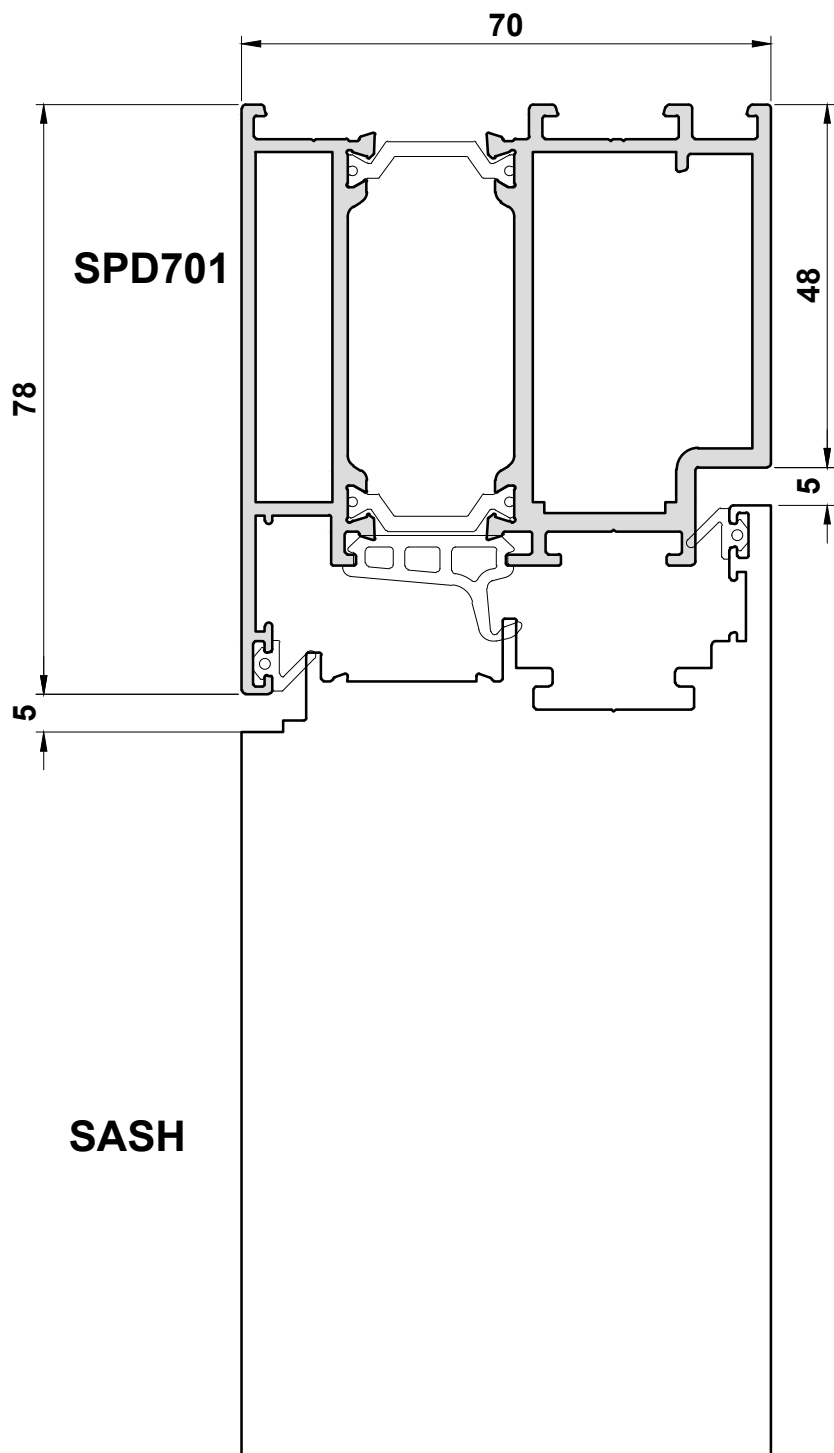


Head 1



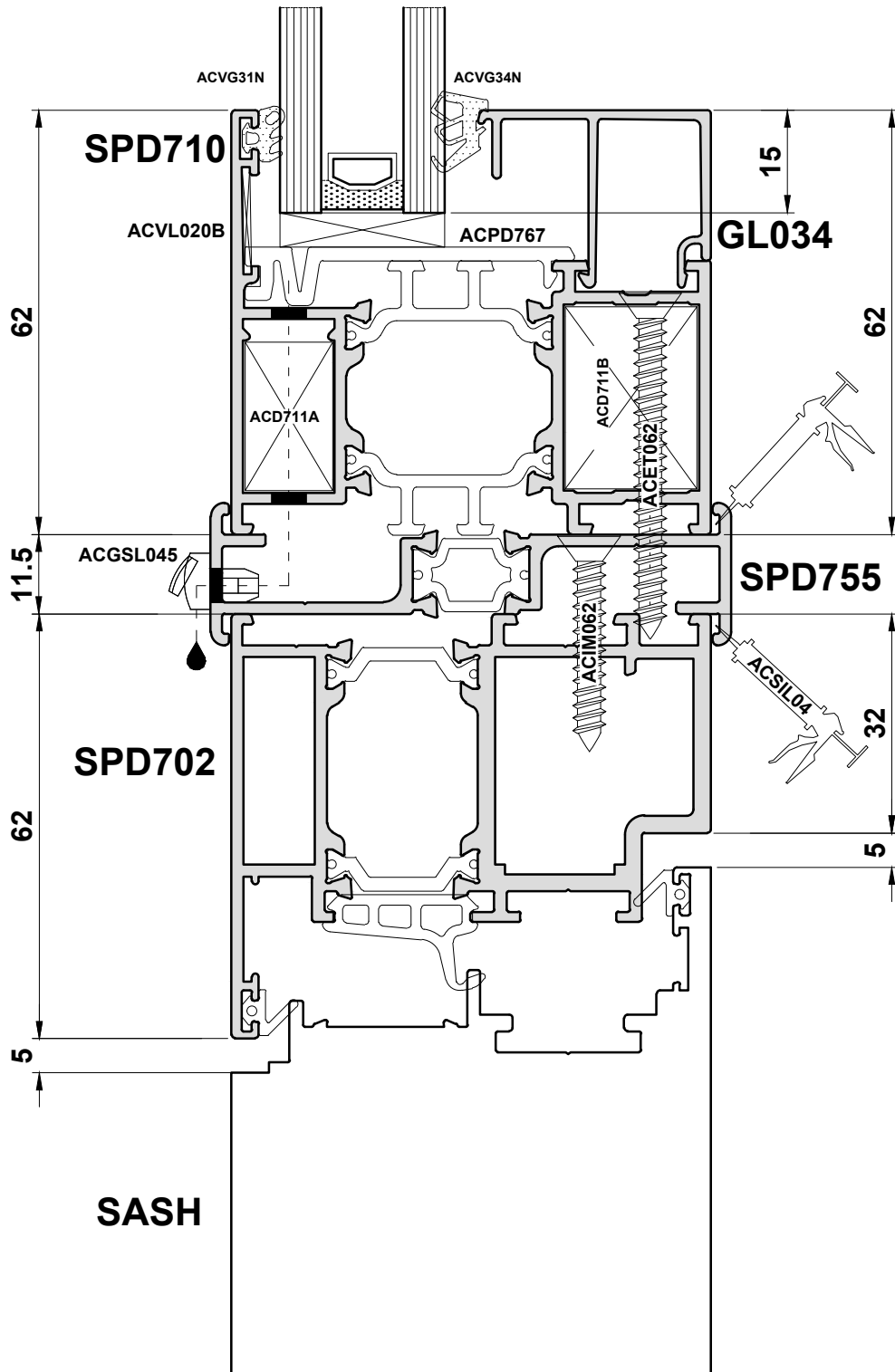
Do Not Scale From This Drawing

Head 2



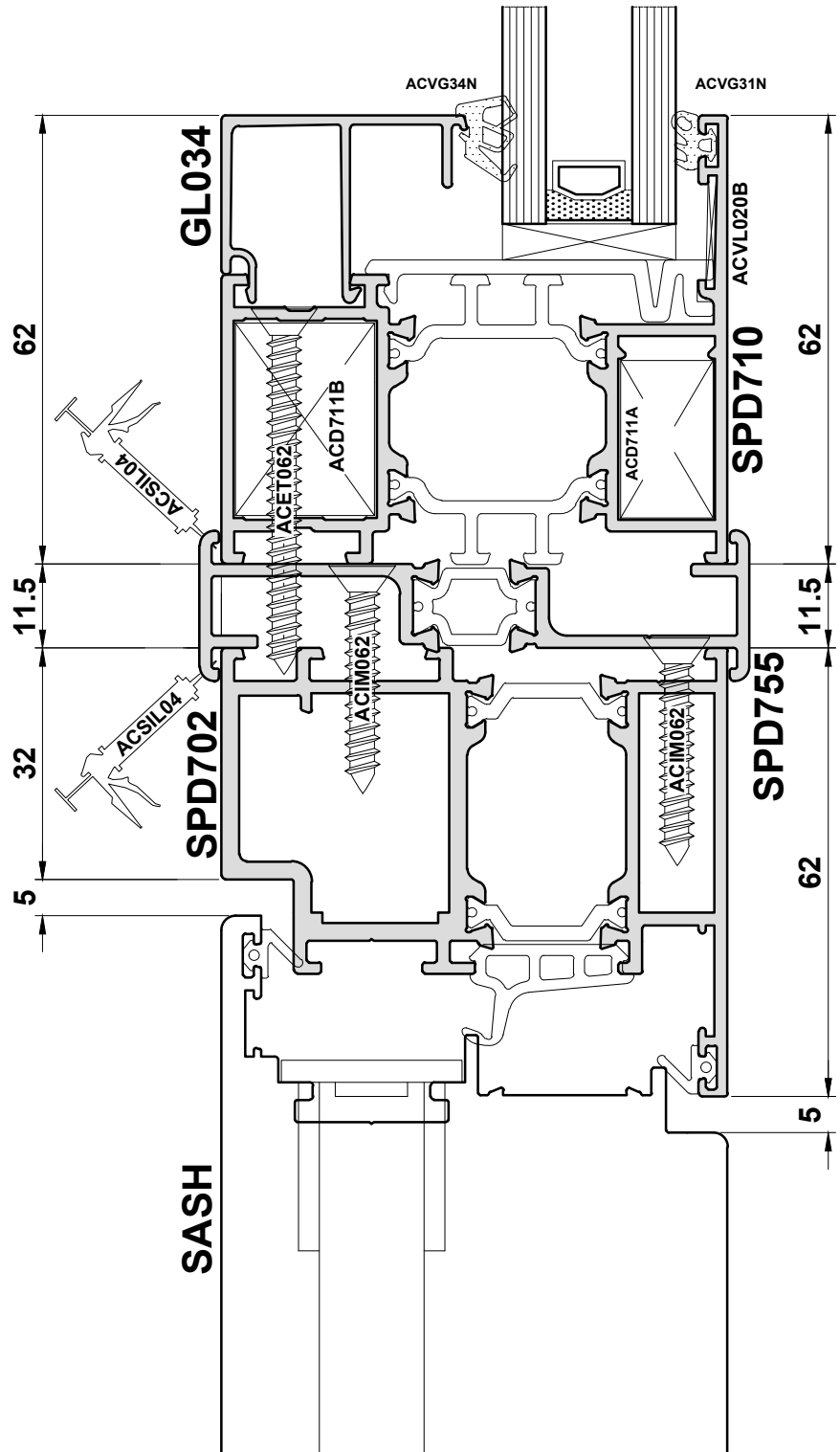
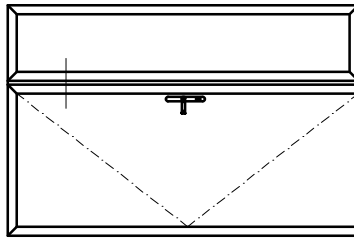
Do Not Scale From This Drawing

Fan Light



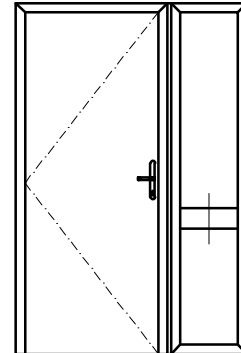
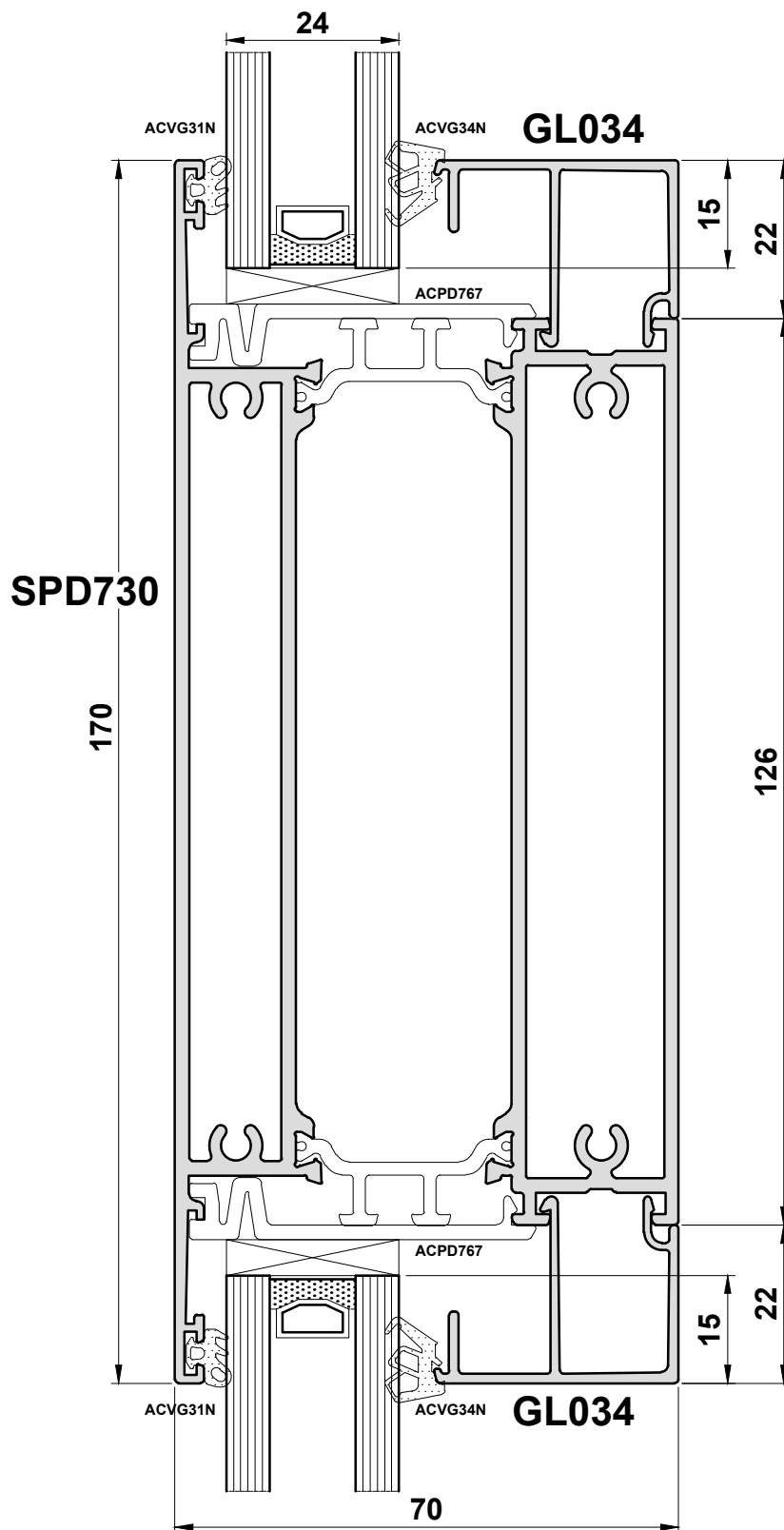
Do Not Scale From This Drawing

Side Light



Do Not Scale From This Drawing

Side Light - Midrail



Do Not Scale From This Drawing

Section D

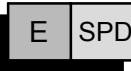
Statics

**For Wind Loading limitations, please contact
the Technical department - T: 01934 876100**

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Section E

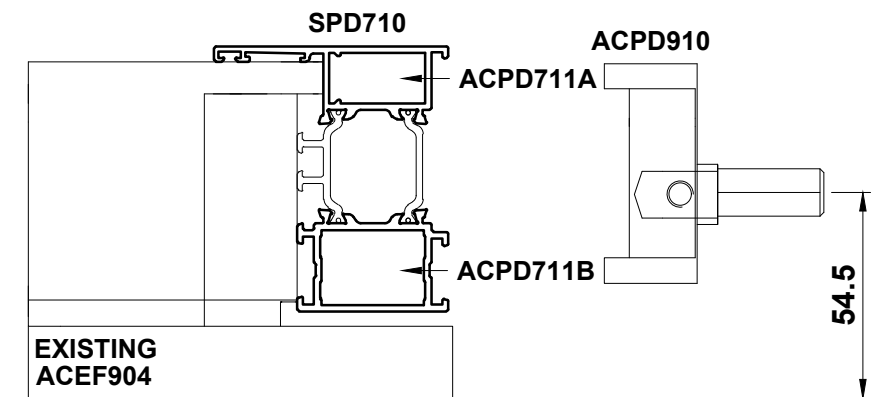
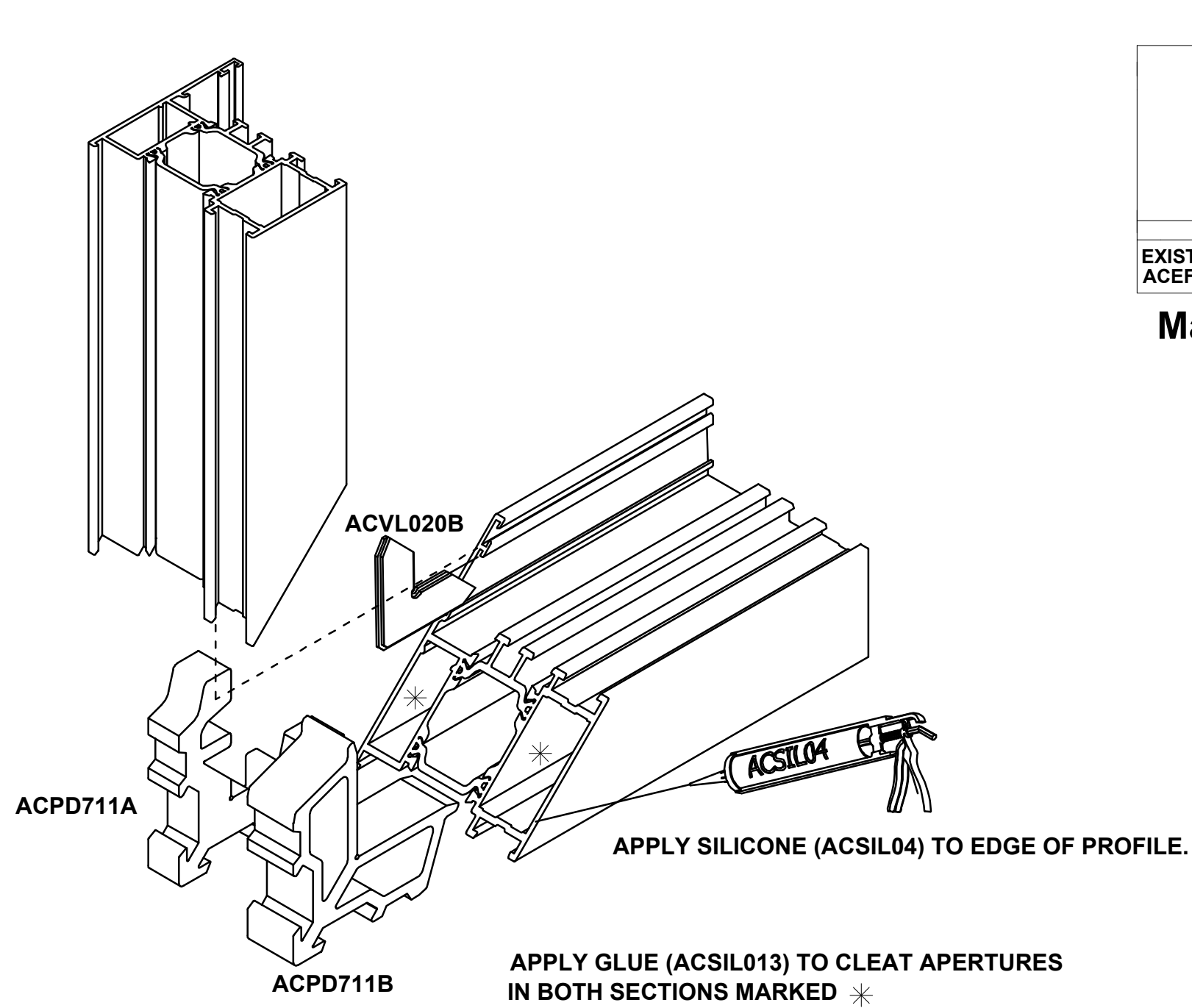
Construction Drawings



Corner Joint Details.....	E03
Drainage.....	E04
UN3000 Drainage and Fixing.....	E05
SPD755 Horizontal Coupler Detail.....	E06
SPD755 Vertical Coupler Detail.....	E07
Coupling Door with Side Lights and Fanlight.....	E08 - E09
SPD730 Transom Fixing.....	E10
ACPD742 LetterBox Preparation.....	E11
Glazing Details.....	E12 - E15

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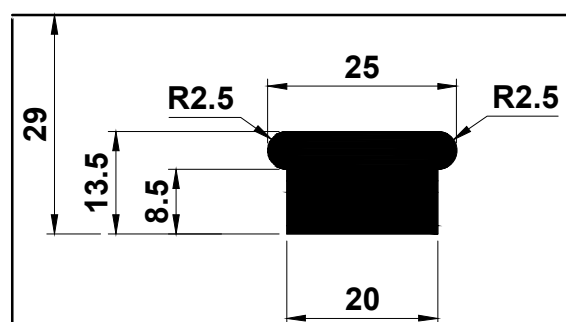
Corner Joint Details



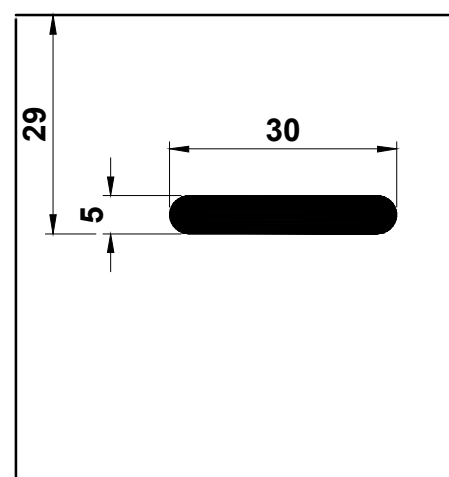
Manual Crimper: WUT024HSZA

Do Not Scale From This Drawing

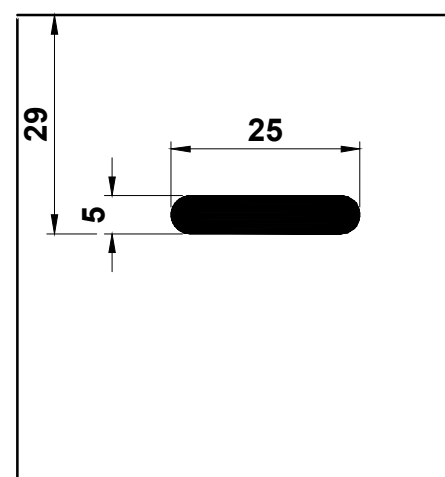
Drainage



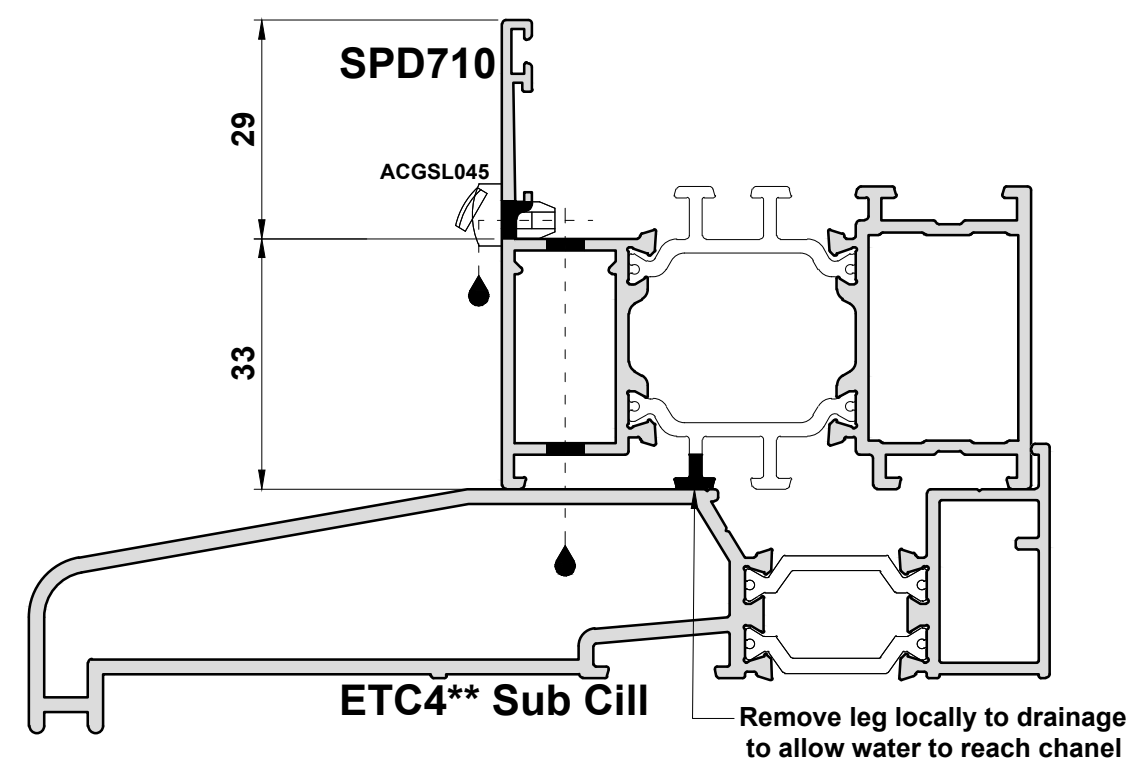
Detail to accept ACVG45N drainage cover cap
Use Punch Tool ACIP913



Detail to accept ACGSL045
drainage cover cap

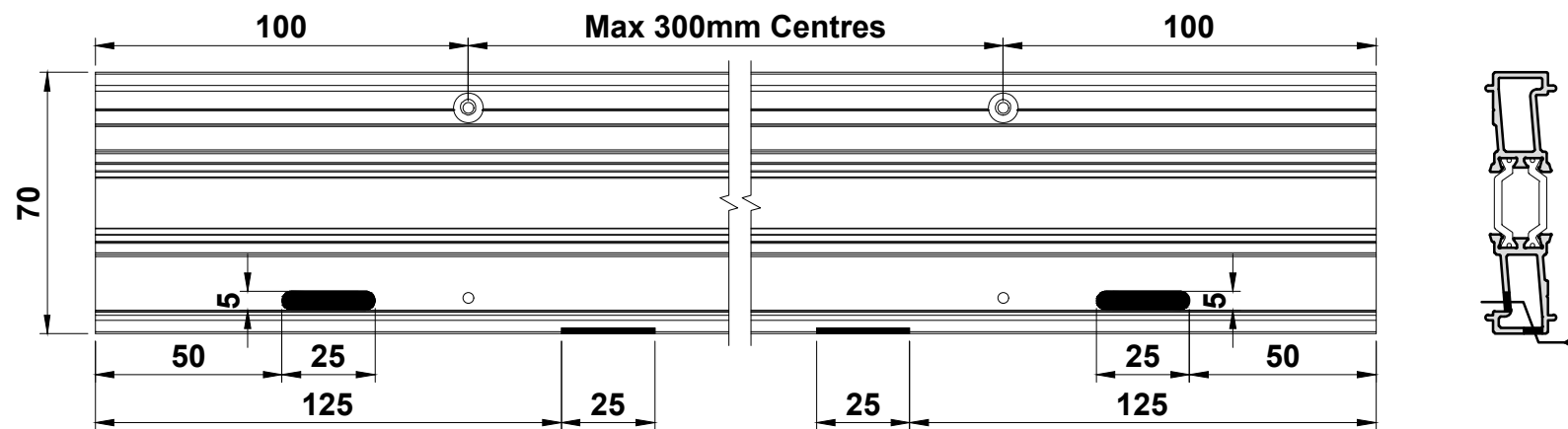


Detail to accept ACET431
drainage cover cap

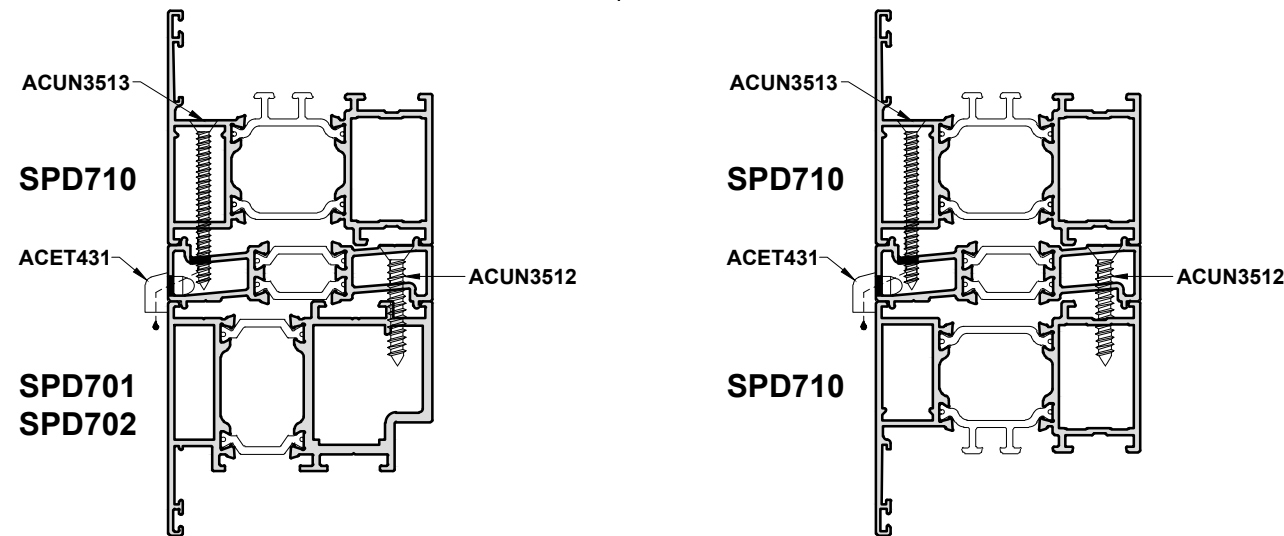


Do Not Scale From This Drawing

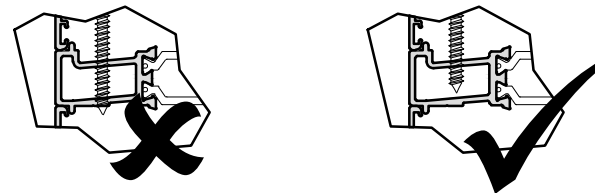
UN3000 Horizontal Coupler Drainage and Fixing



Important Note: Seal all joints to UN3000 using ACSIL04.

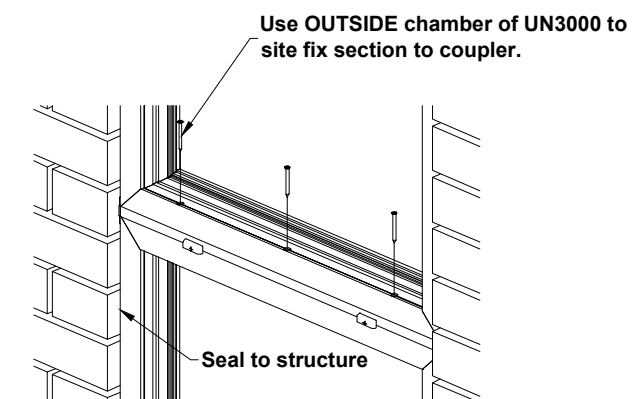
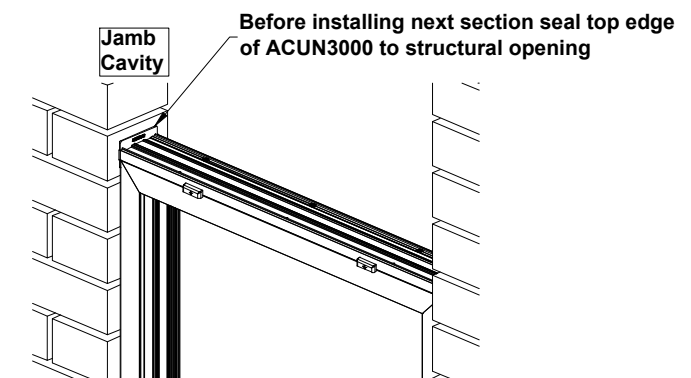
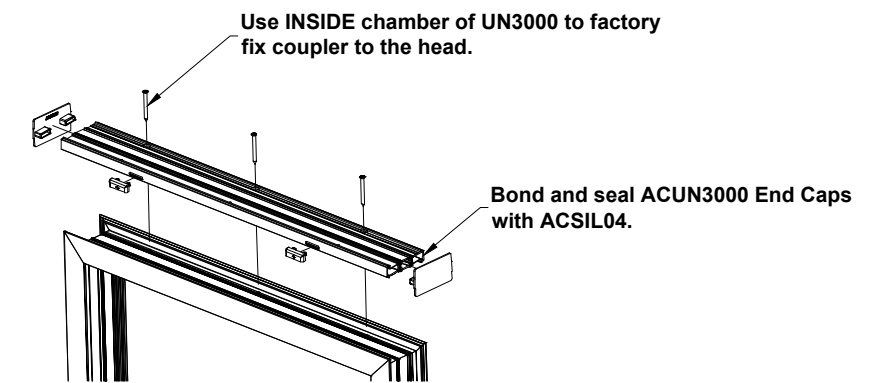


Important Note: Do not screw through drainage channel.



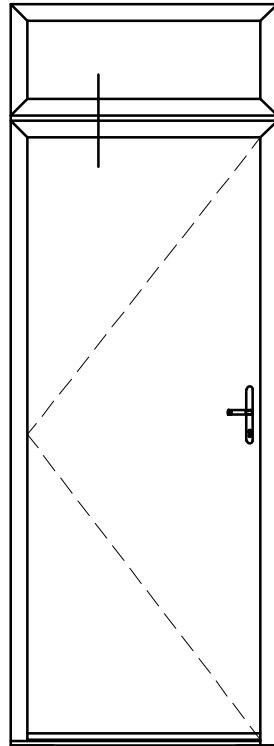
Zone Drainage of Jamb Cavity

CWCT Built up wall guidance recommends drainage of Jamb Cavity



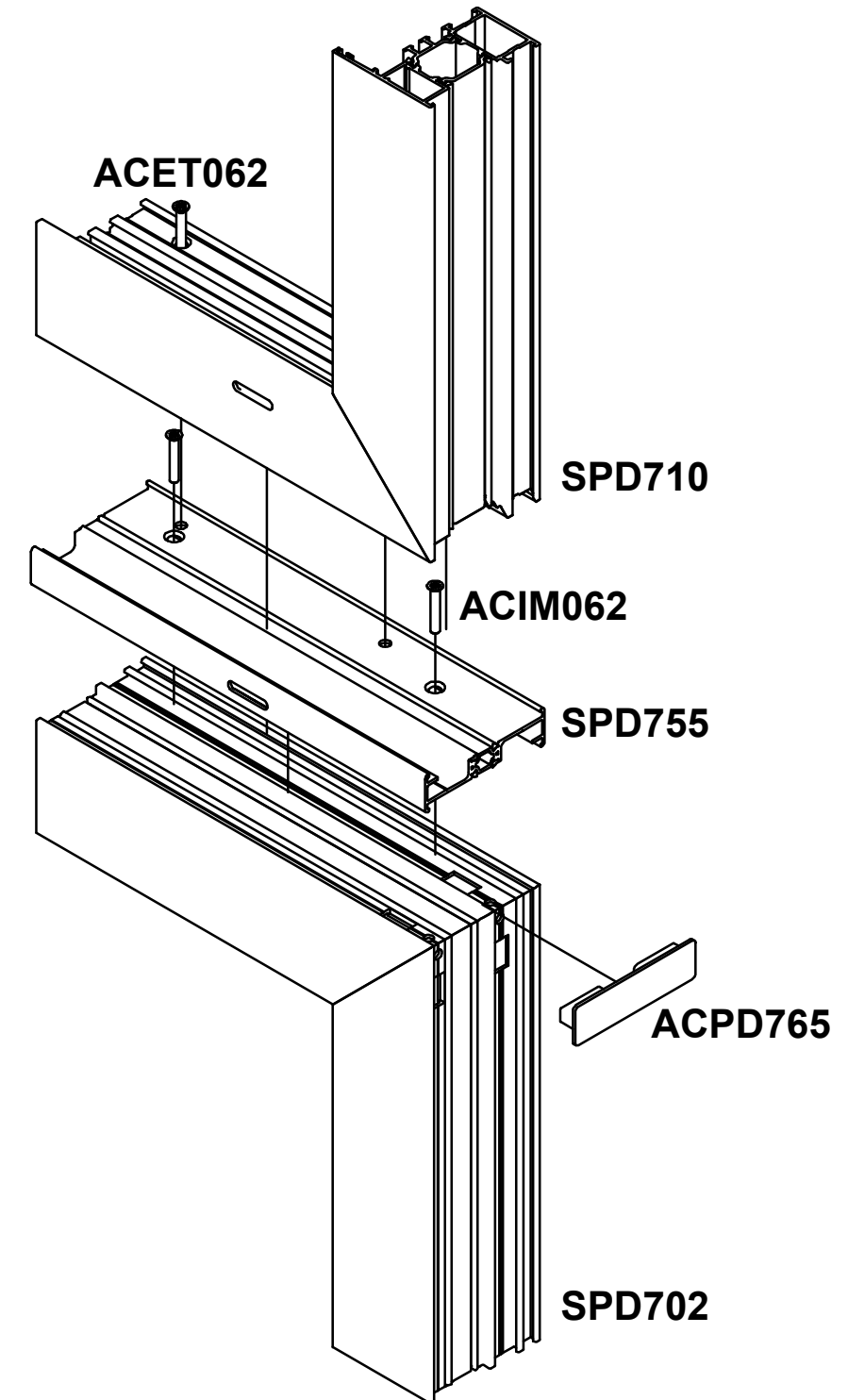
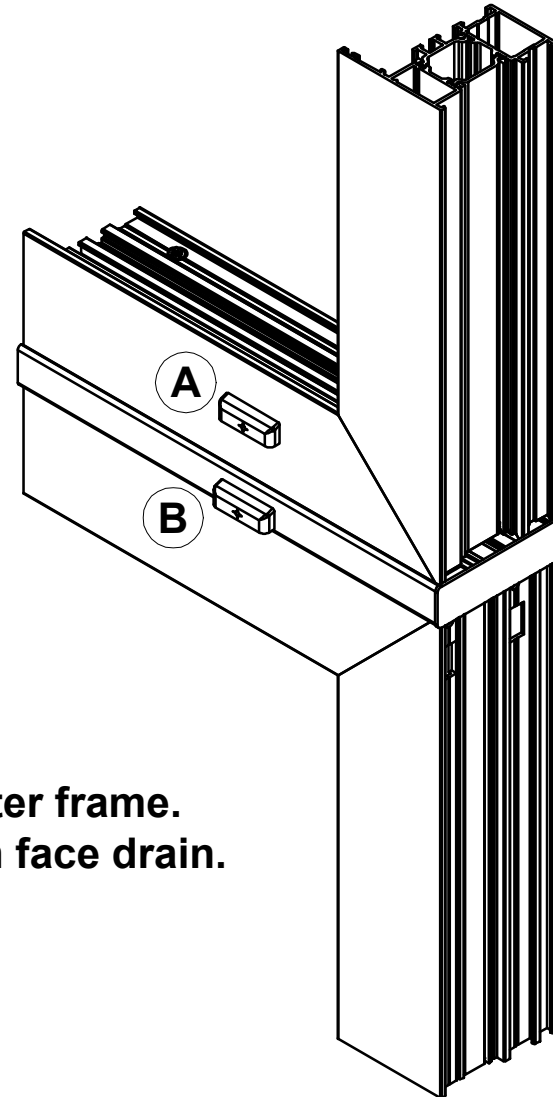
Do Not Scale From This Drawing

SPD755 Horizontal Coupler Detail



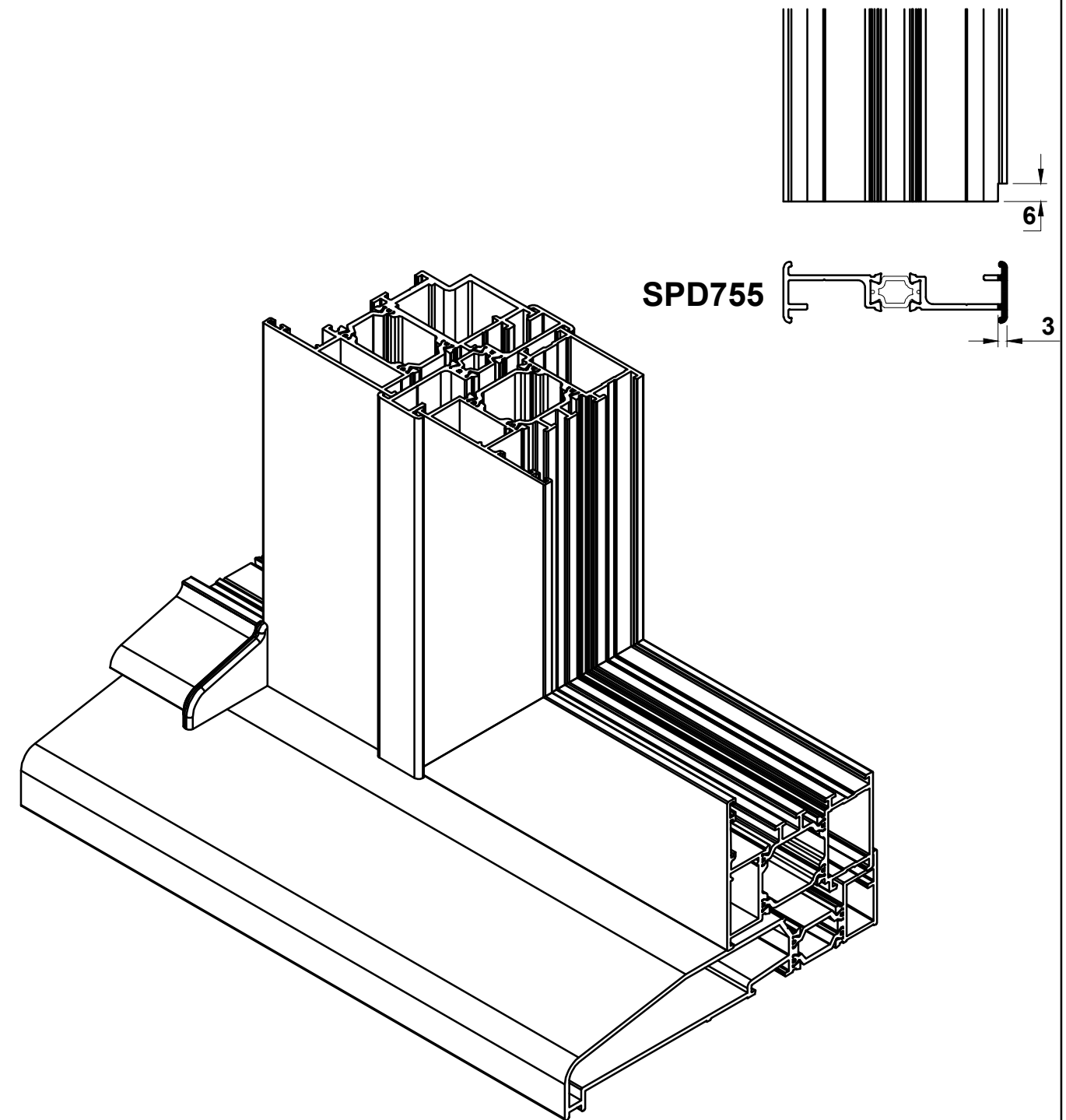
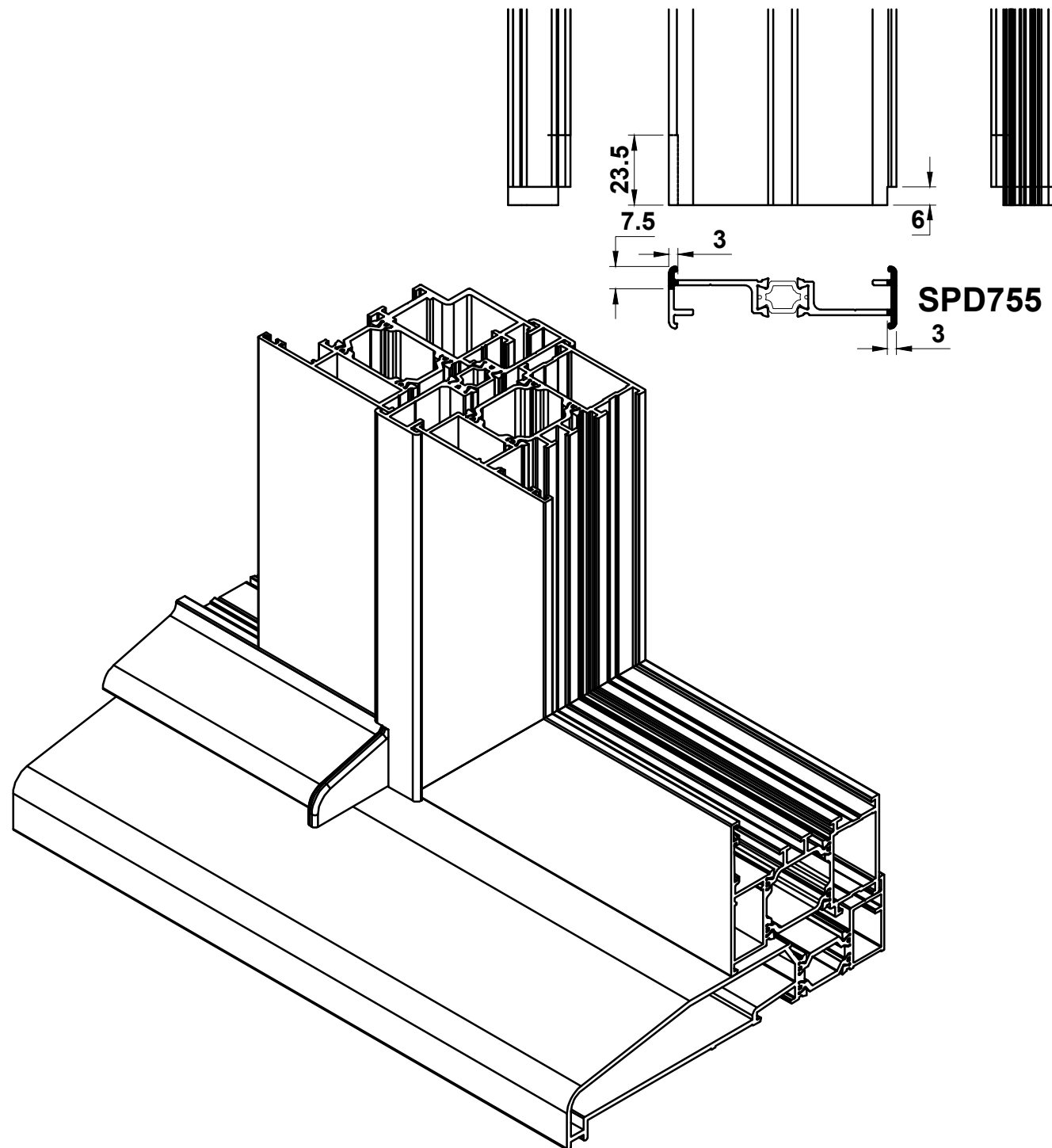
Drainage Options:

- A) Face drain through fixed light outer frame.
- B) Down drain into coupler and then face drain.



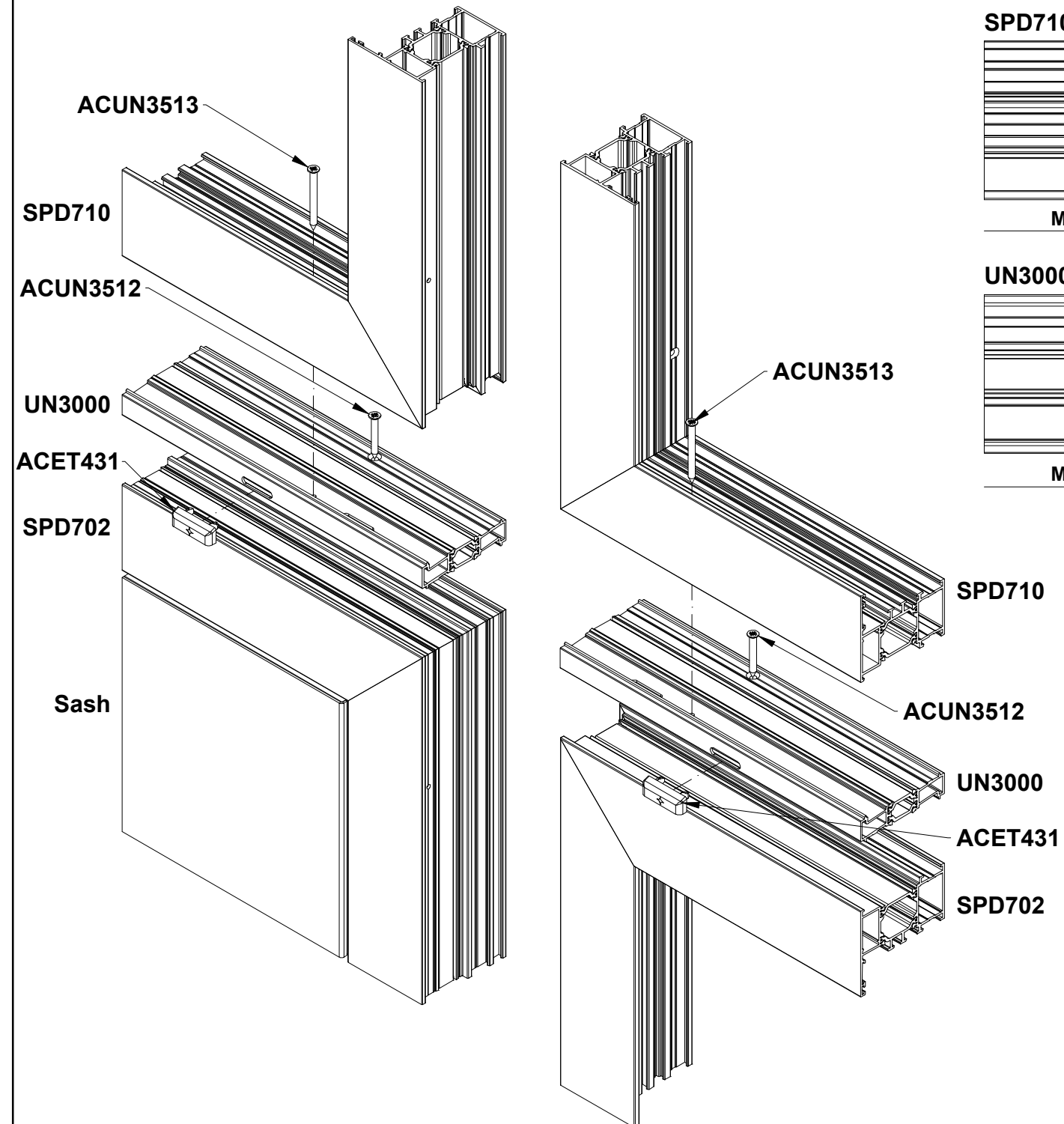
Do Not Scale From This Drawing

SPD755 Vertical Coupler Details

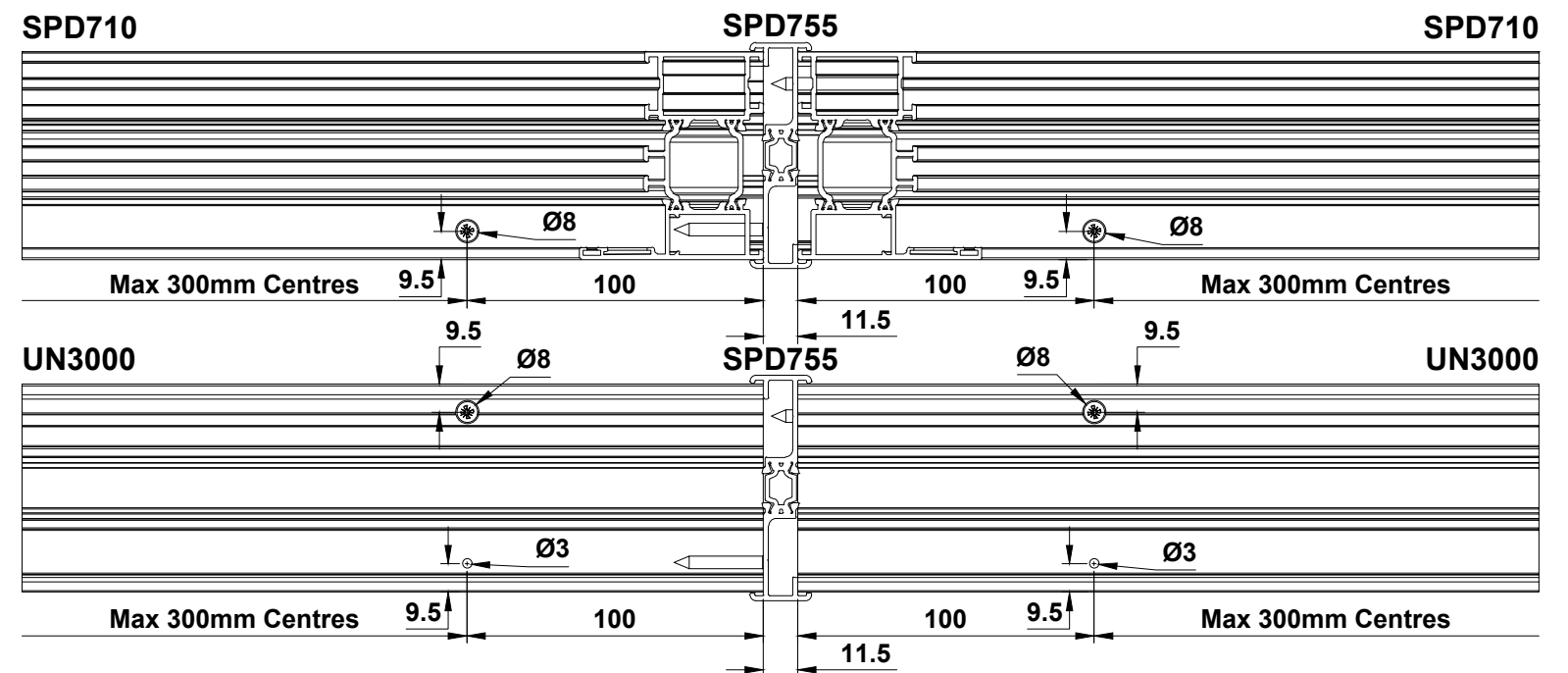


Do Not Scale From This Drawing

Coupling Door with Side Lights and Fanlight (Part 1)



Top View

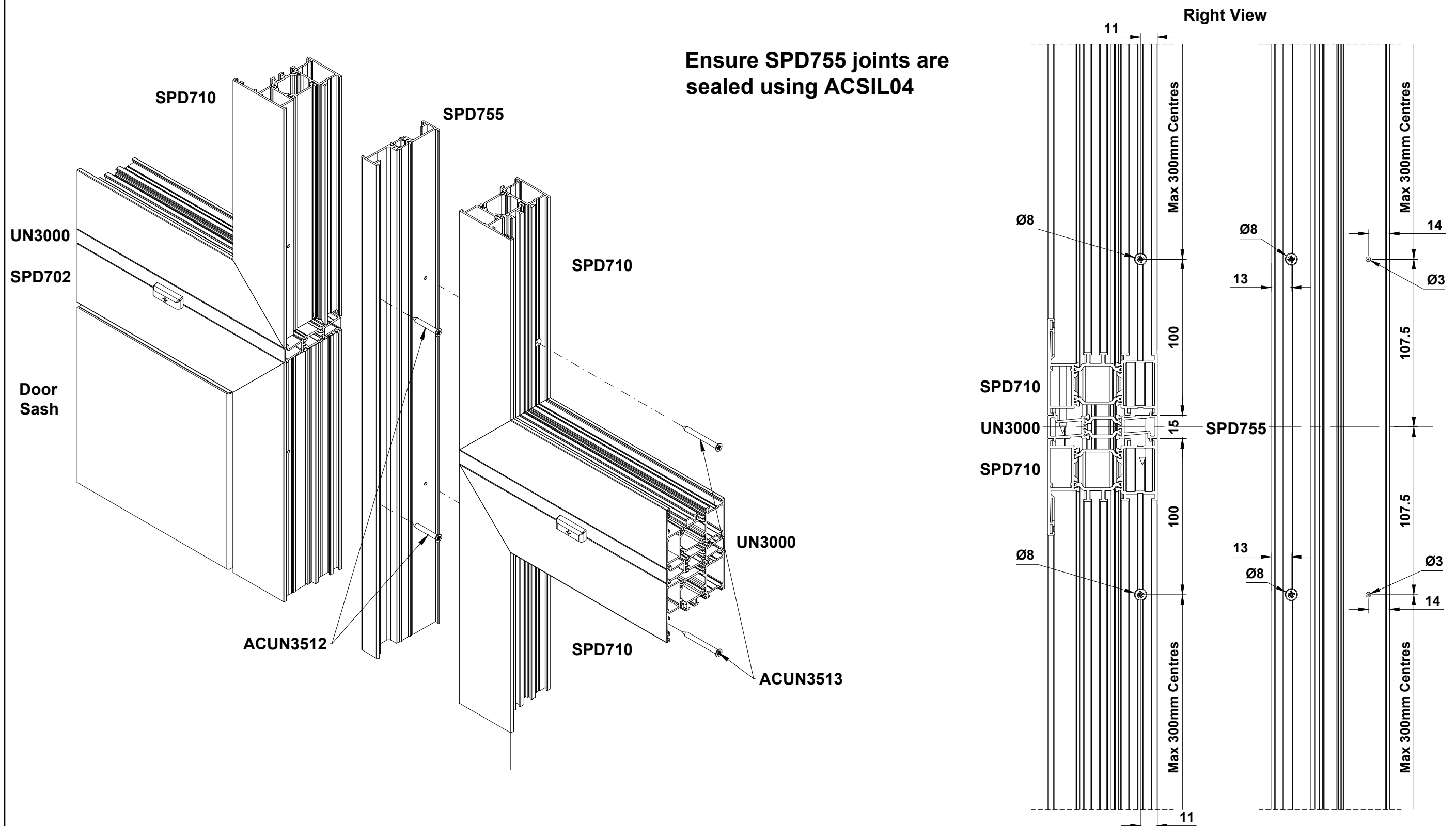


Ensure UN3000 joints are sealed using ACSIL04.

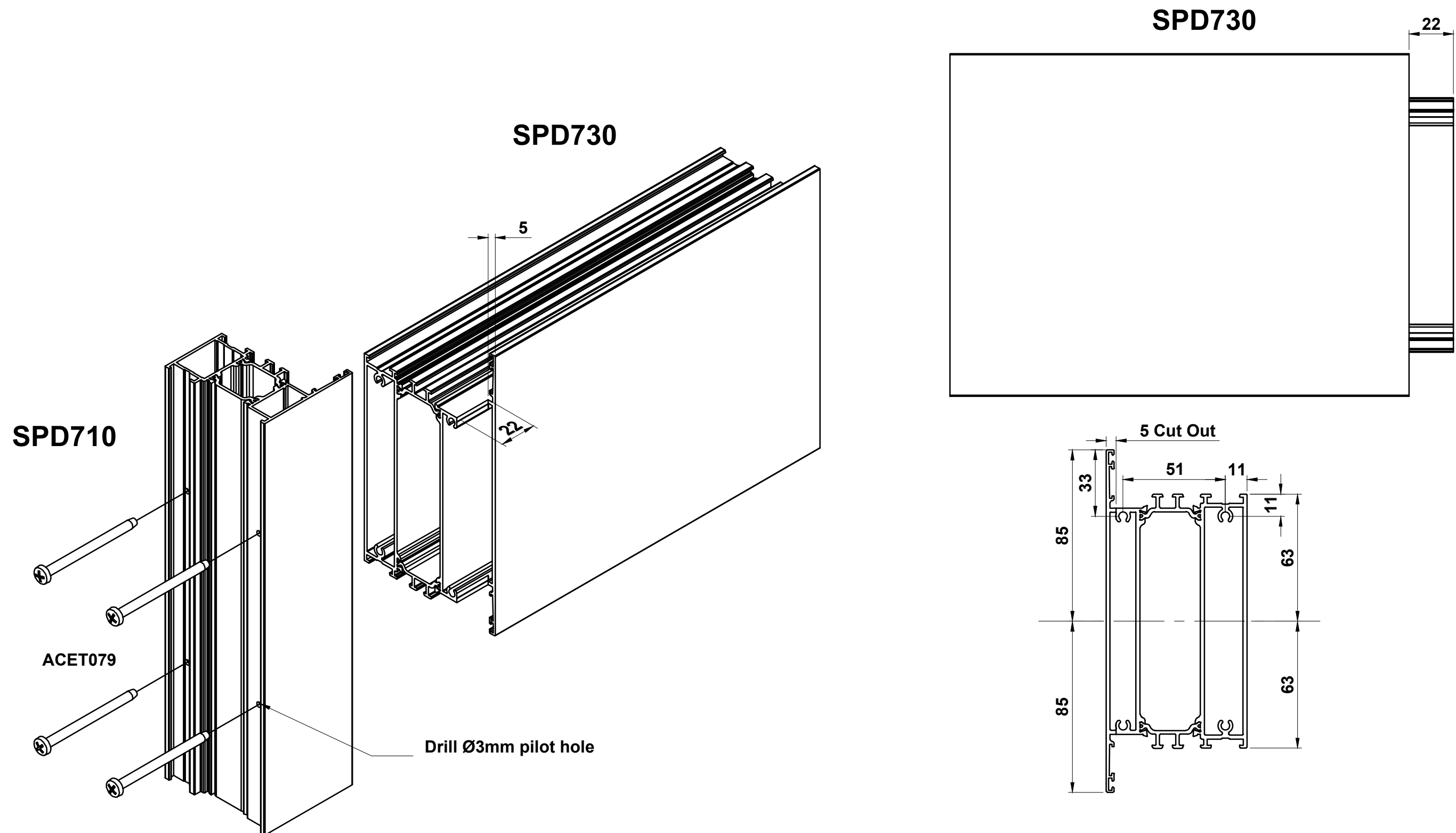
See page E05 for UN3000 Drainage Detail

Do Not Scale From This Drawing

Coupling Door with Side Lights and Fanlight (Part 2)



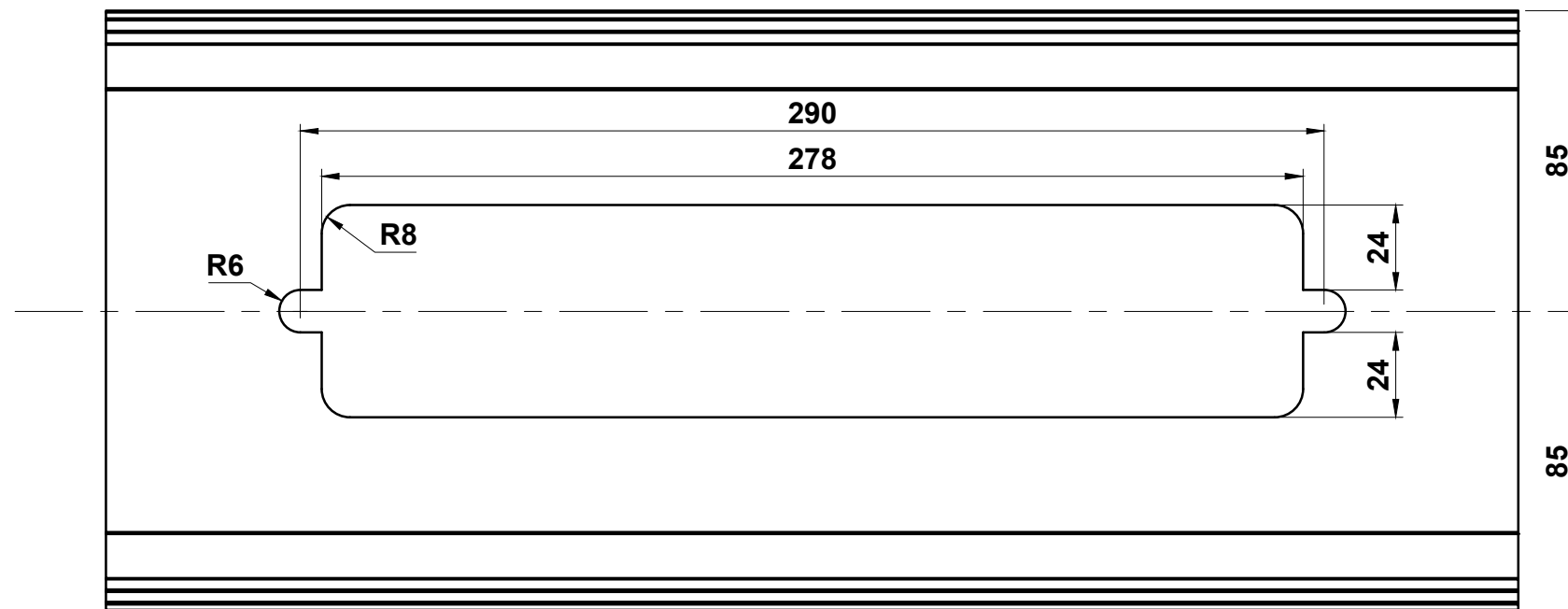
SPD730 Fixing Detail



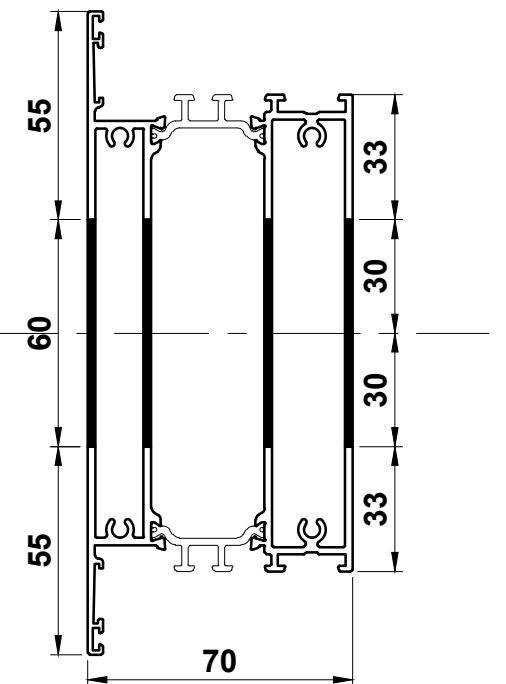
Do Not Scale From This Drawing

ACPD742 Letter Plate Preparation

SPD730



SPD730

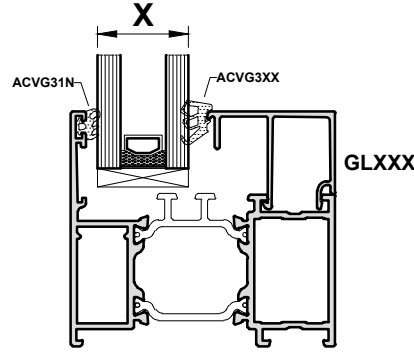


Do Not Scale From This Drawing

Glazing Details

Standard Beads

Outer Frame: SPD710
Transom: SPD730

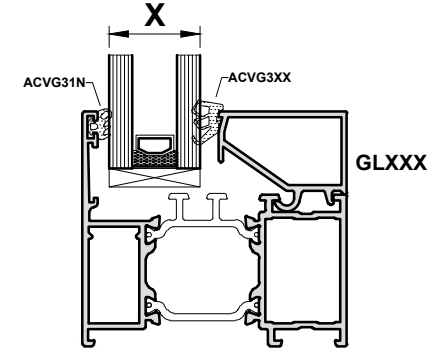


Glass Thickness	External Gasket	Internal Gasket	Glazing Bead
24	ACVG31N	ACVG34N	GL034
25	ACVG31N	ACVG33N	GL034
26	ACVG31N	ACVG32N	GL034
27	ACVG31N	ACVG340N	GL030
28	ACVG31N	ACVG34N	GL030
29	ACVG31N	ACVG33N	GL030
30	ACVG31N	ACVG32N	GL030
31	ACVG31N	ACVG33N	GL028
32	ACVG31N	ACVG32N	GL028
33	ACVG31N	ACVG33N	GL026
34	ACVG31N	ACVG32N	GL026
35	ACVG31N	ACVG34N	GL023
36	ACVG31N	ACVG33N	GL023
37	ACVG31N	ACVG32N	GL023
38	ACVG31N	ACVG34N	GL020
39	ACVG31N	ACVG33N	GL020
40	ACVG31N	ACVG32N	GL020
41	ACVG31N	ACVG340N	GL016
42	ACVG31N	ACVG34N	GL016
43	ACVG31N	ACVG33N	GL016
44	ACVG31N	ACVG32N	GL016
45	ACVG31N	ACVG33N	GL014
46	ACVG31N	ACVG32N	GL014
47	ACVG31N	ACVG33N	GL012
48	ACVG31N	ACVG32N	GL012

Glass Thickness	External Gasket	Internal Gasket	Glazing Bead
49	ACVG31N	ACVG340N	GL008
50	ACVG31N	ACVG34N	GL008
51	ACVG31N	ACVG33N	GL008
52	ACVG31N	ACVG32N	GL008
53	ACVG31N	ACVG340N	GL004
54	ACVG31N	ACVG34N	GL004
55	ACVG31N	ACVG33N	GL004
56	ACVG31N	ACVG32N	GL004

High Security Beads

Outer Frame: SPD710
Transom: SPD730



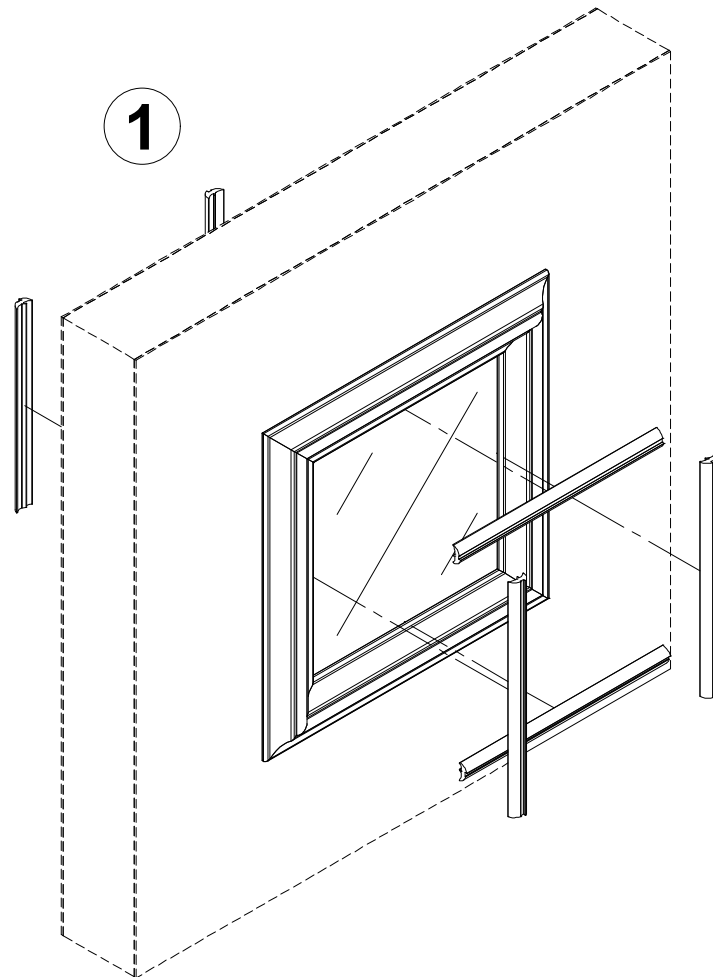
Glass Thickness	External Gasket	Internal Gasket	Glazing Bead
24	ACVG31N	ACVG34N	GL534
25	ACVG31N	ACVG33N	GL534
26	ACVG31N	ACVG32N	GL534
27	ACVG31N	ACVG340N	GL530
28	ACVG31N	ACVG34N	GL530
29	ACVG31N	ACDV33N	GL530
30	ACVG31N	ACVG32N	GL530
31	ACVG31N	ACVG340N	GL526
32	ACVG31N	ACVG34N	GL526
33	ACVG31N	ACVG33N	GL526
34	ACVG31N	ACVG32N	GL526
41	ACVG31N	ACVG340N	GL516
42	ACVG31N	ACVG34N	GL516
43	ACVG31N	ACVG33N	GL516
44	ACVG31N	ACVG32N	GL516
45	ACVG31N	ACVG340N	GL512
46	ACVG31N	ACVG34N	GL512
47	ACVG31N	ACVG33N	GL512
48	ACVG31N	ACVG32N	GL512
53	ACVG31N	ACVG340N	GL504
54	ACVG31N	ACVG34N	GL504
55	ACVG31N	ACVG33N	GL504
56	ACVG31N	ACVG32N	GL504

Do Not Scale From This Drawing

Removing the Glazing from Glass Mouldings

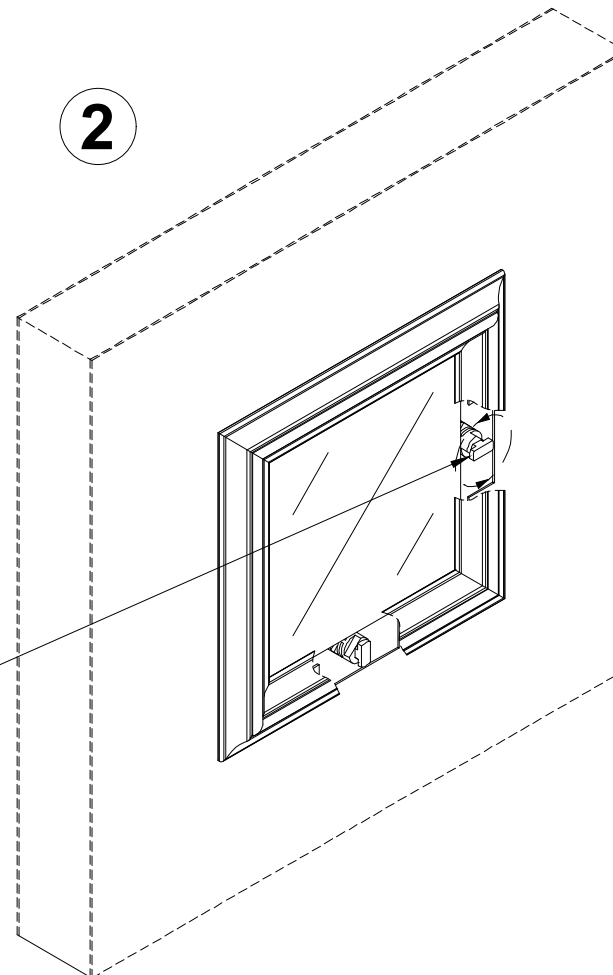
Note: Glazed mouldings can only be glazed from the inside as outside moulding is sealed before delivery. All below drawings are shown from the inside.

1



Carefully remove the glazing gaskets from both sides of the moulding. Glazing gaskets are either ACVG34 (5mm Wedge) or ACVG33 (4mm Wedge).

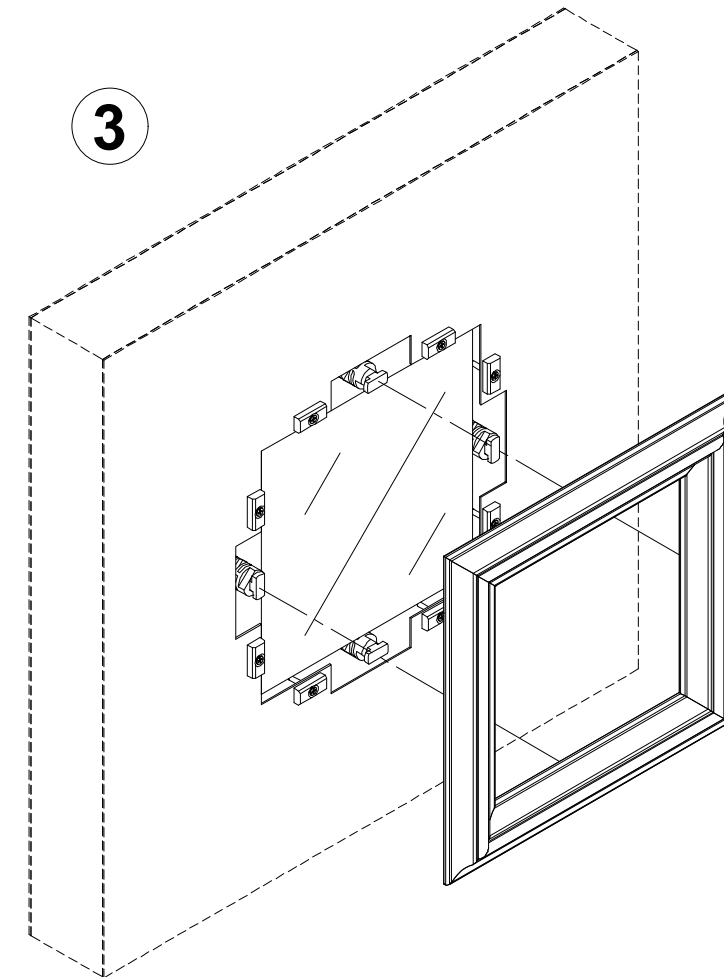
2



Locate the Cam Locks. The locations of these will change depending on size of the moulding. Usual locations are: centre and near corners (within 150mm).

Using a 12mm spanner rotate the cam by 90° anti clockwise to release the moulding.

3



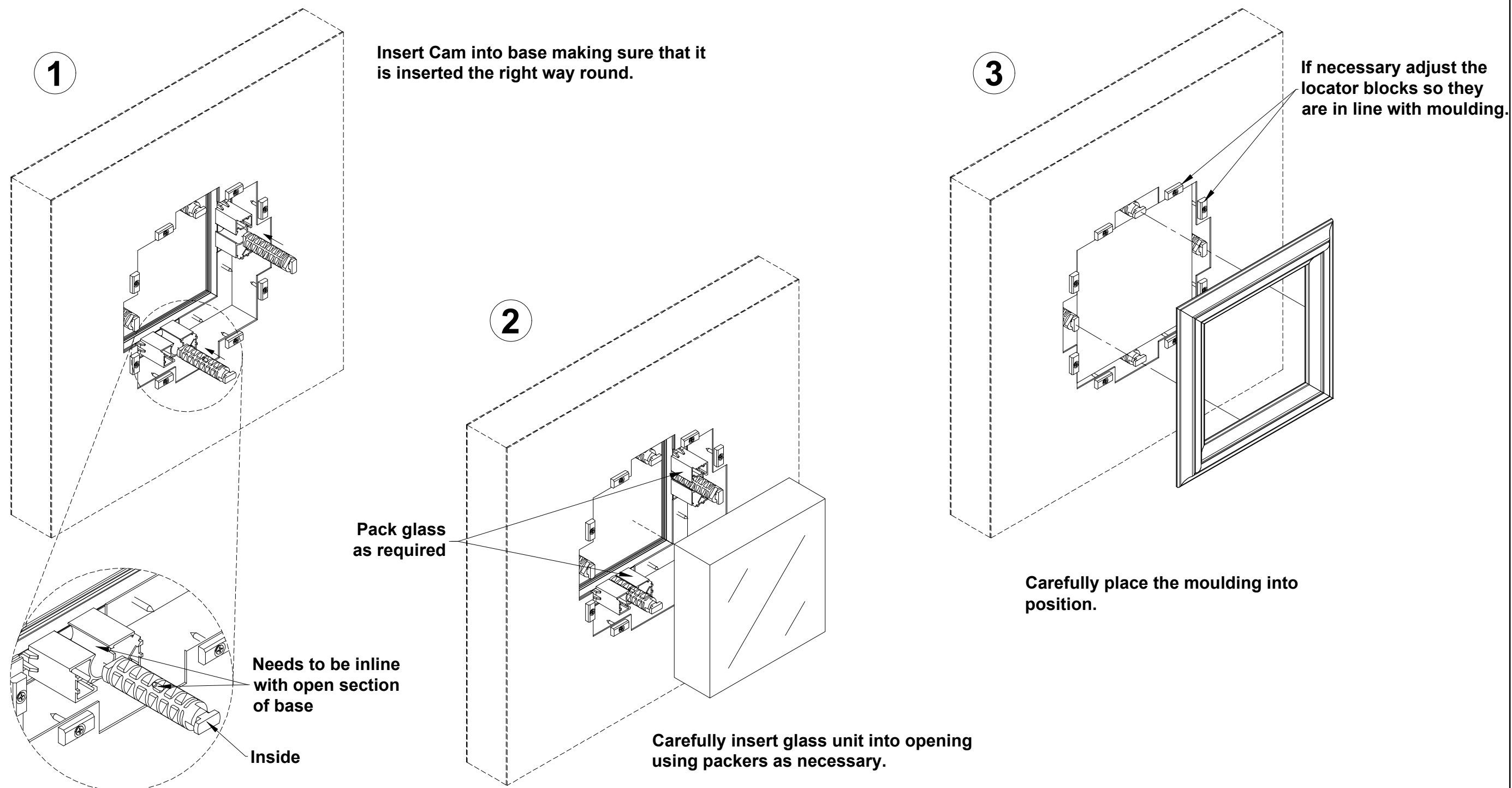
Carefully remove the moulding. The moulding should come away easily with all the cam locks undone.

Once the moulding has been detached the glass unit can be removed.

Do Not Scale From This Drawing

Glazing into Glass Mouldings (Part 1)

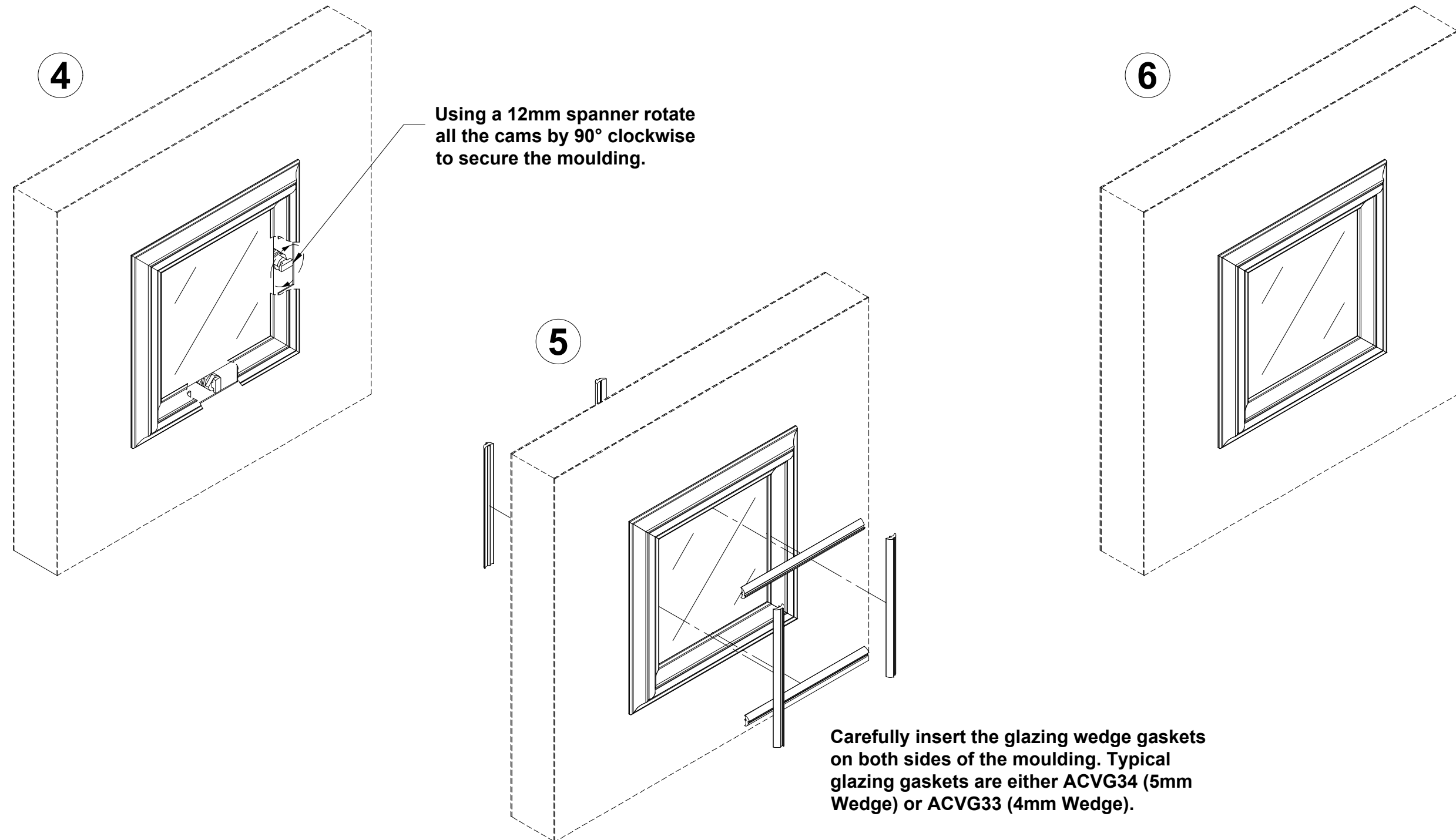
Note: Glazed mouldings can only be glazed from the inside as outside moulding is sealed before delivery. All below drawings are shown from the inside.



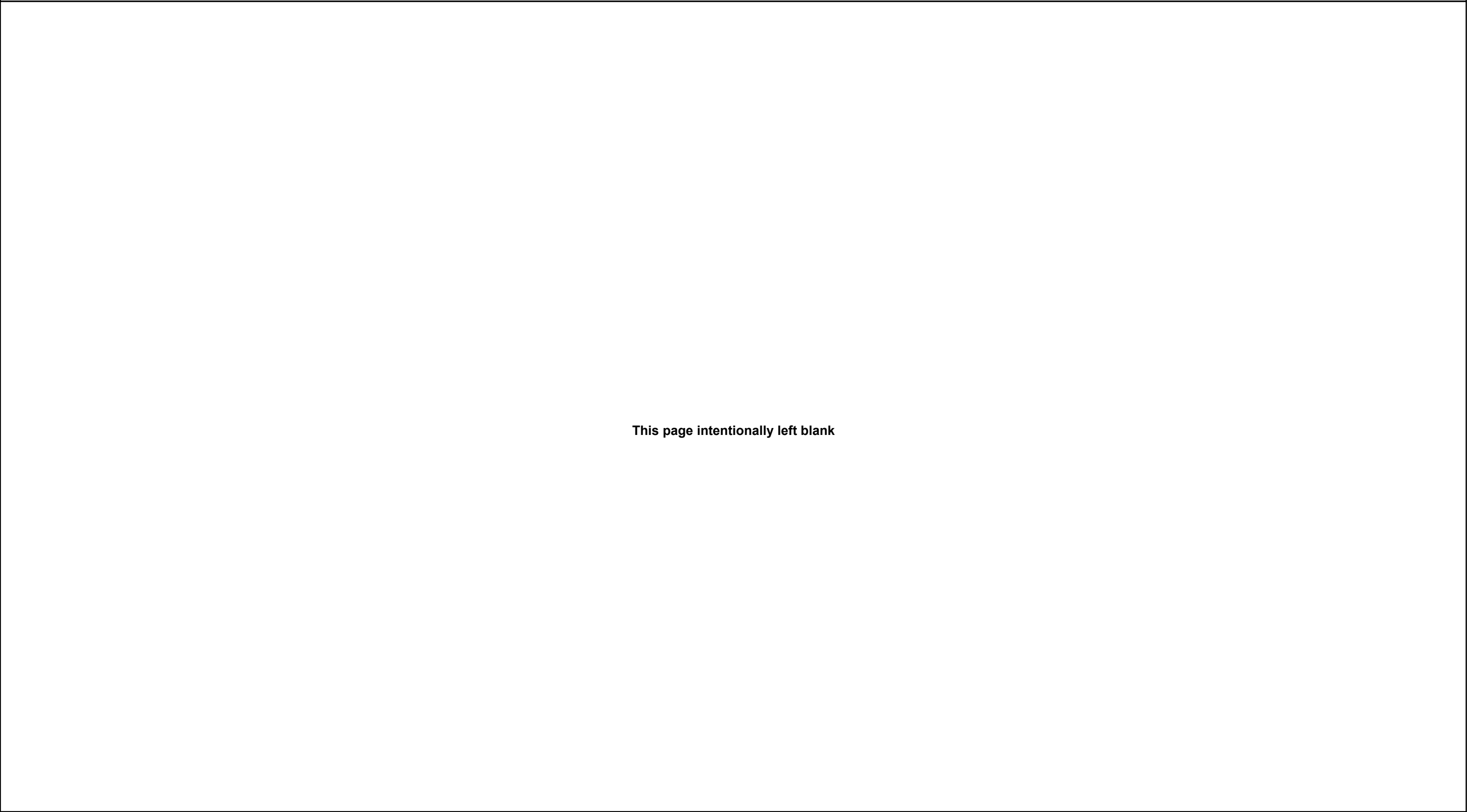
Do Not Scale From This Drawing

Glazing into Glass Mouldings (Part 2)

Note: Glazed mouldings can only be glazed from the inside as outside moulding is sealed before delivery. All below drawings are shown from the inside.



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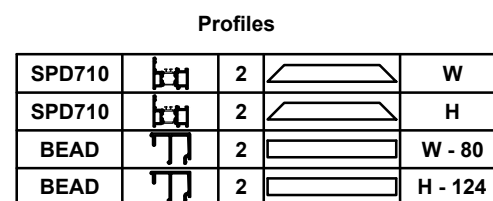
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Section F

Sawing Tables

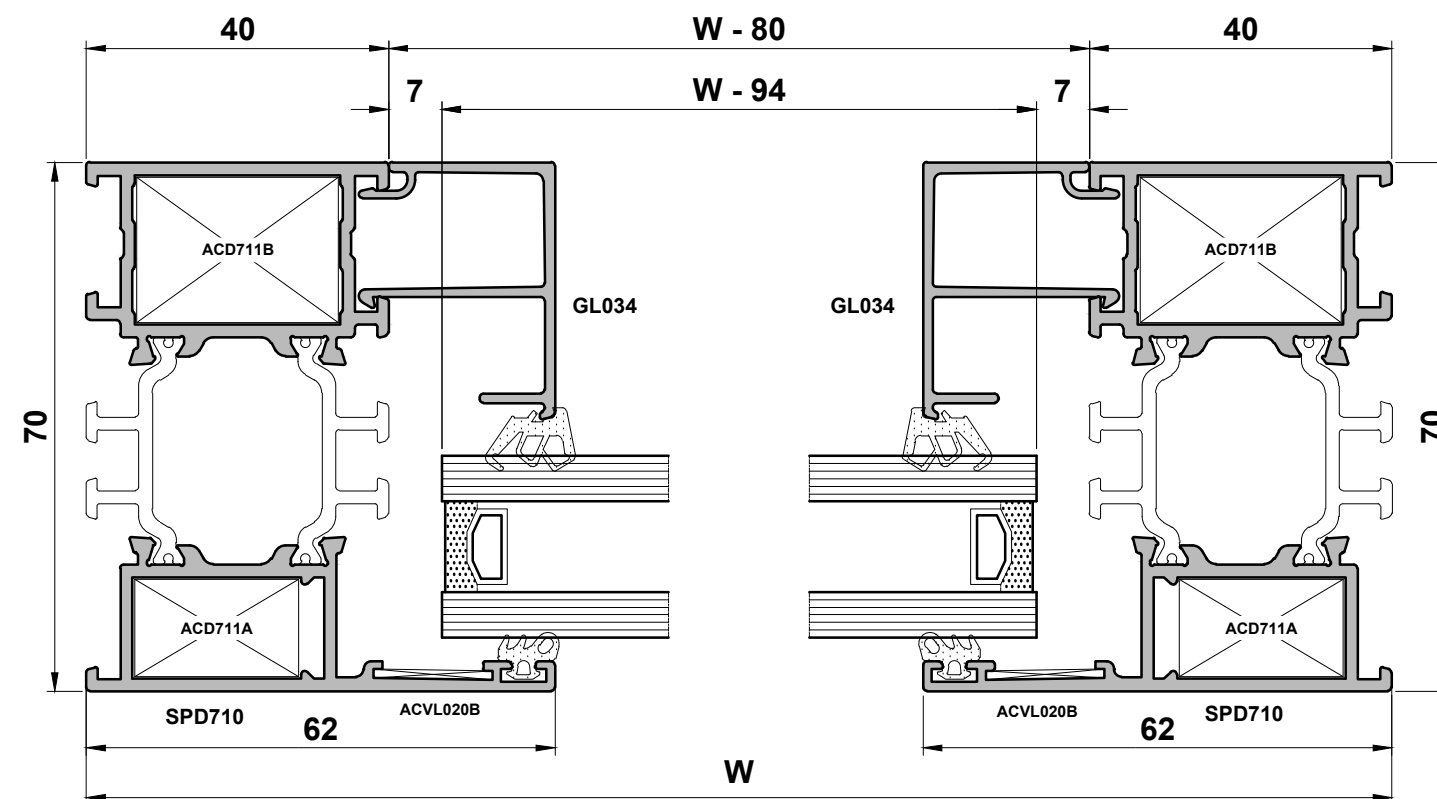
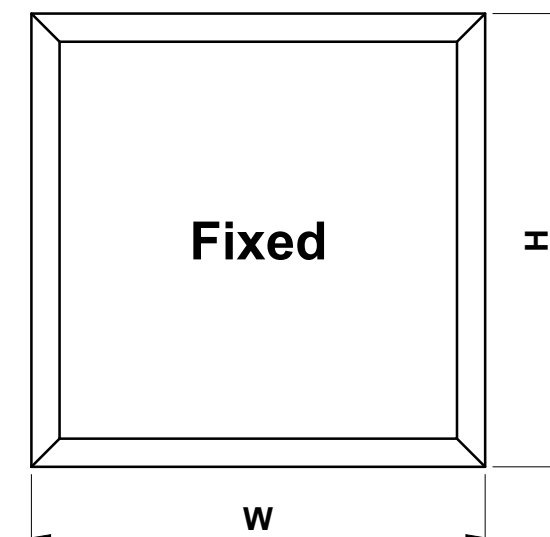
Fixed Light.....	F03
Fixed Light with Transom.....	F04

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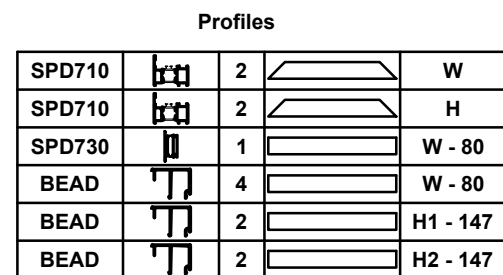
Glass Sizes	
1x	W - 94
	H - 94

Accessories			
ACGSL045		2	Drainage Cover Cap
ACPD711A		4	SPD710 External Crimp Cleat
ACPD711B		4	SPD710 Internal Crimp Cleat
ACPD767		2	Bridge Packer
ACVG31N		2H + 2W - 400	External E Gasket
ACVG3XX		2H + 2W - 400	Internal Wedge Gasket
ACVL020B		4	Chevron



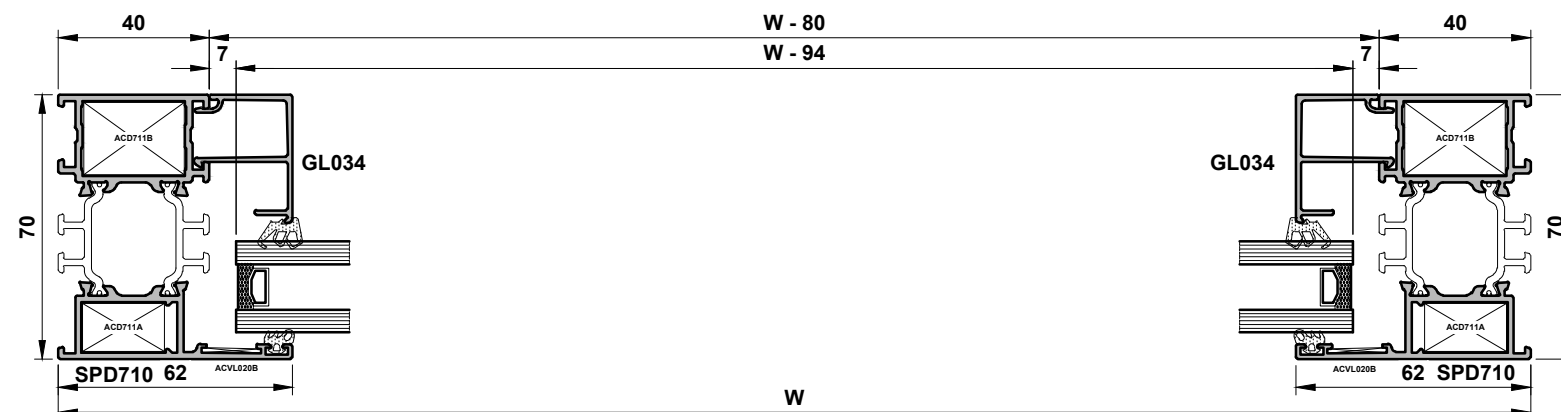
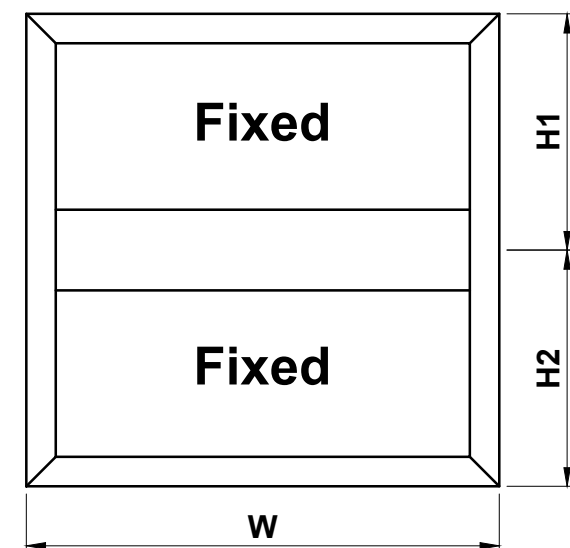
Do Not Scale From This Drawing

	Profiles	Accessories	
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Accessories			
ACET079		8	No. 10 x 63.5mm Pan Head Screw
ACGSL045		4	Drainage Cover Cap
ACPD711A		4	SPD710 External Crimp Cleat
ACPD711B		4	SPD710 Internal Crimp Cleat
ACPD767		4	Bridge Packer
ACVG31N		2H + 4W - 880	External E Gasket
ACVG3XX		2H + 4W - 880	Internal Wedge Gasket
ACVL020B		4	Chevron

Glass Sizes	
1x	W - 94
	H1 - 117
1x	W - 94
	H2 - 117



Do Not Scale From This Drawing