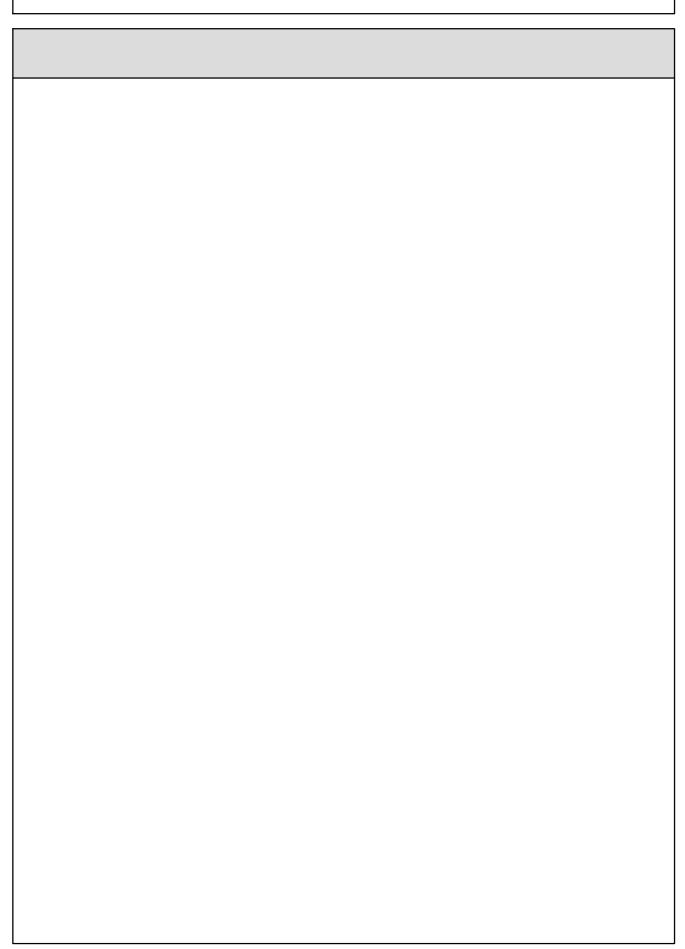


## **Main Index** SPD Index SPD **Profiles** Scale Profile Drawings...... A11 - A21 SPD **Accessories** Photos & Drawings...... B03 - B14 SPD **Sections** SPD SPD **Construction Drawings** Drainage..... E04 UN3000 Drainage and Fixing..... E05 SPD755 Horizontal Coupler Detail...... E06 SPD755 Vertical Coupler Detail...... E07 Coupling Door with Side Lights and Fanlight..... E08 - E09 SPD730 Transom Fixing..... E10 ACPD742 Letter Box Preparation..... E11 Glazing Details...... E12 - E15 **Sawing Tables** Fixed Light..... F03 Fixed Light with Transom..... F04





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PROFILES: SPECIFICATION PAGES

		Updates
DATE	PAGE	DESCRIPTION
	i ! !	



**PROFILES: SPECIFICATION PAGES** 

### **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 tradtional 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:-

- a) Anodised to BS 3987: 1987, grade AA25 to a natural self colour.
- b) 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.



**PROFILES: SPECIFICATION PAGES** 

### **Specification**

#### DESIGNER DOOR OVERALL SIZE LIMITATIONS

Doors	Maximum Width (mm)	Minimum Width (mm)	Maximum Height (mm)	Minimum Height (mm)
Modern	1200	860 <sup>(a)</sup>	2400	1960 <sup>(a)</sup>
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.

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**PROFILES: SPECIFICATION PAGES** 

### **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.



PROFILES: TECHNICAL INFORMATION

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	НР	M
SPD701	A B	A11	517	154	47.76 — 13.01	35.2 — 10.7	6.5	1	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>✓</b>	<b>✓</b>
SPD702	A B X Y Y X	A11	453	121.6	38.08 — 10.43	15.99 — 6.47	6.5	1	<b>√</b>	<b>✓</b>	<b>√</b>	<b>✓</b>	<b>✓</b>
SPD703	A S B Y X Y X	A12	345	64	32.94 — 6.76	1.21 — 1.29	6.5	1		<b>✓</b>			
SPD706	× × × × ×	A14	146	27	.   .	.   .	6.5	1	>	<b>✓</b>	<b>&gt;</b>	<b>✓</b>	
SPD760		A14	165	64	.   .	.   .	6.5	1	>	<b>✓</b>	<b>&gt;</b>	<b>✓</b>	
SPD762		A14	216	73	.   .		6.5		>	<b>✓</b>	>	<b>&gt;</b>	
SPD710	A B X Y Y Y Y	A16	401	107	33.02 — 8.76	10.75 — 4.7	6.5		>	<b>✓</b>	<b>&gt;</b>	<b>✓</b>	<b>✓</b>
SPD730	A B X Y X Y X	A17	671	107	259.16 — 30.49	95.55 — 29.40	6.5		<b>✓</b>	<b>✓</b>	<b>√</b>	<b>✓</b>	<b>✓</b>
SPD750		A21	31	10	.   .	.   .	4			<b>✓</b>			
A = Outside MF = Mill Finish B = Inside SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour													

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PROFILES: TECHNICAL INFORMATION

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	НР	М
SPD755	A B X Y X Y X Y X X	A15	301	50	18.29  4.81	0.67 — 0.64	6.5		>	>	>	>	<b>√</b>
ETC457	A X Y X Y	A20	444	212	163.27  21.60	6.79  3.73	6.5	1	>	>	>	>	<b>✓</b>
ETC458	A X Y X Y X Y X Y X Y X Y X Y X Y X Y X	A20	524	252	313.62  32.63	8.87  4.79	6.5	1	>	<b>&gt;</b>	<b>✓</b>	<b>&gt;</b>	<b>√</b>
ETC477	A B X Y X Y X Y X	A21	782	404	1591.6  105.33	26.84  12.84	5	1	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓
ETC479	A B X Y X Y X Y X X	A20	594	287	501.64  44.04	9.72  5.34	6.5	1	<b>√</b>	<b>√</b>	<b>✓</b>	<b>&gt;</b>	✓
ETD057	X Y X	A15	251	41	16.30  4.66	1.12  1.55	6.5	1	>	<b>&gt;</b>	>	>	✓
GL004	x x x x x x x x x x x x x x x x x x x	A18	88.6	24.6	1   1	1   1	6.5	1	>	>	>	>	
GL008	T x x y + x	A18	109.4	29.4	- - -	•   •	6.5	1	<b>&gt;</b>	<b>&gt;</b>	<b>✓</b>	<b>\</b>	
GL012		A18	117.4	33.4	<del>-</del>	-	6.5	1	<b>✓</b>	<b>√</b>	<b>✓</b>	<b>✓</b>	
								A = Ou B = Ins		SA KL HF	= Basi	er Anodis c Colour cial Colo	



PROFILES: TECHNICAL INFORMATION

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	НР	M
GL014	T x x x x x x x x x x x x x x x x x x x	A18	121.3	35.4	<u>-</u> -	-   -	6.5	1	✓	<b>✓</b>	✓	<b>✓</b>	
GL016		A18	146.7	37.3	<u>-</u>	.   .	6.5	1	<b>√</b>	<b>✓</b>	<b>√</b>	<b>✓</b>	
GL020		A18	151.7	41.6	<u>-</u> -	-   -	6.5	1	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>✓</b>	
GL023		A18	160.2	44.3	<u>-</u> -	- - -	6.5	1	✓	✓	✓	✓	
GL026		A18	169.2	47.3	<u>-</u> -	-   -	6.5	1	✓	<b>✓</b>	✓	<b>✓</b>	
GL028		A18	183.8	49.2	-	1   1	6.5	1	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>✓</b>	
GL030		A18	187.8	51.2	- -	.   .	6.5	1	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>✓</b>	
GL034	T x x x x x x x x x x x x x x x x x x x	A18	195.8	55.3	<u>-</u> -	-	6.5	1	<b>√</b>	<b>√</b>	<b>√</b>	<b>✓</b>	
GL504	, v, v,	A19	96.2	24.6	- -	-   -	6.5	1	<b>√</b>	<b>✓</b>	✓	<b>✓</b>	
	A = Outside MF = Mill Finish B = Inside SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour												

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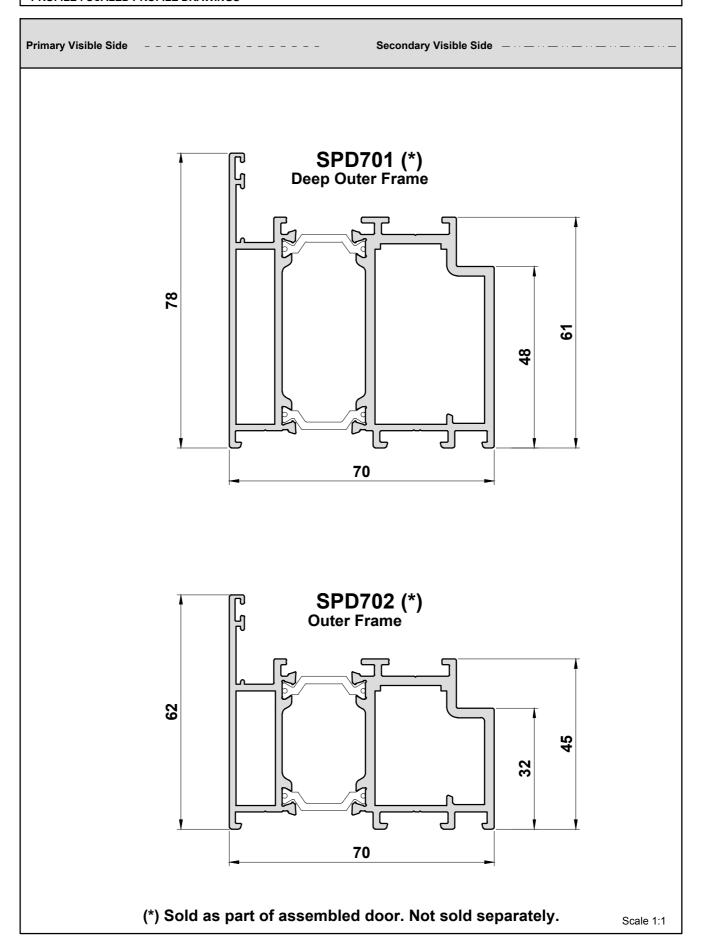


PROFILES: TECHNICAL INFORMATION

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	НР	М
GL512	v x v x	A19	90.5	33.6	-   -	1   1	6.5	1	<b>✓</b>	<b>\</b>	<b>√</b>	<b>✓</b>	
GL516	Y X X X X X X X X X X X X X X X X X X X	A19	90.1	37.6	1   1	'   '	6.5	1	<b>✓</b>	>	<b>✓</b>	<b>&gt;</b>	
GL526		A19	112.2	47.6		·   ·	6.5	1	✓	<b>√</b>	✓	✓	
GL530			131.2	51.6	·   ·	·   ·	6.5	1	<b>✓</b>	>	<b>✓</b>	<b>&gt;</b>	
GL534		A19	137.3	55.6	.   .	·   ·	6.5	1	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>	
UN3000	X Y X Y	A15	200	52	15.8 -— 4.51	0.79 — 0.84	6.5	1	<b>✓</b>	>	✓	>	✓
	A = Outside MF = Mill Finish B = Inside SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour												



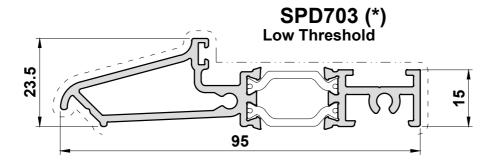
PROFILE: SCALED PROFILE DRAWINGS



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PROFILE: SCALED PROFILE DRAWINGS

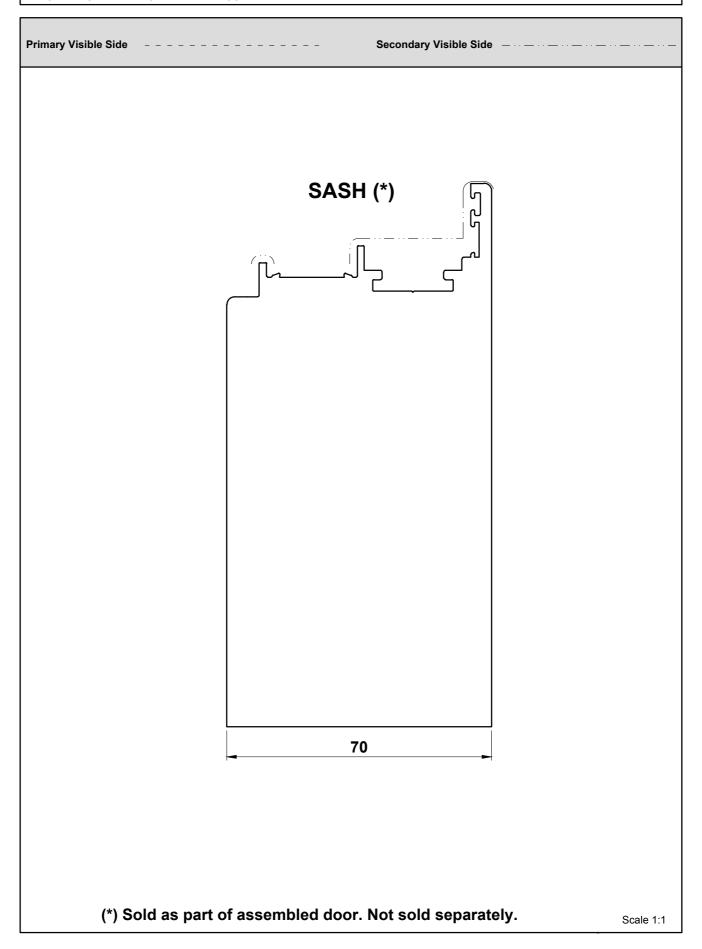


Scale 1:1

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



PROFILE: SCALED PROFILE DRAWINGS

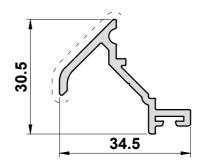


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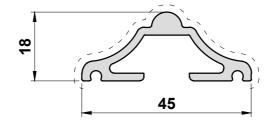
PROFILE: SCALED PROFILE DRAWINGS

Primary Visible Side ----- Secondary Visible Side ------ Secondary Visible Side ------

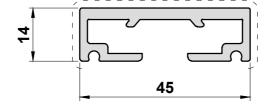
### SPD706 (\*) Weather Drip for SPD703



### SPD760 (\*) Moulding



### SPD762 (\*) Rectangular Moulding



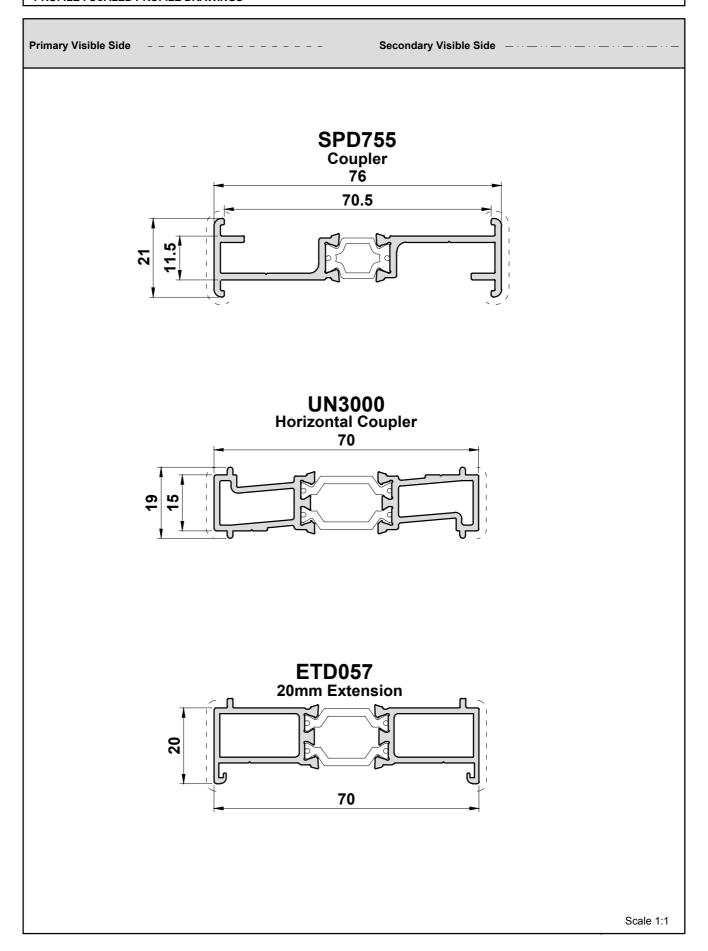
(\*) Sold as part of assembled door. Not sold separately.

**PAGE A14** 

Scale 1:1



PROFILE: SCALED PROFILE DRAWINGS



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ISSUED: NOVEMBER 2018

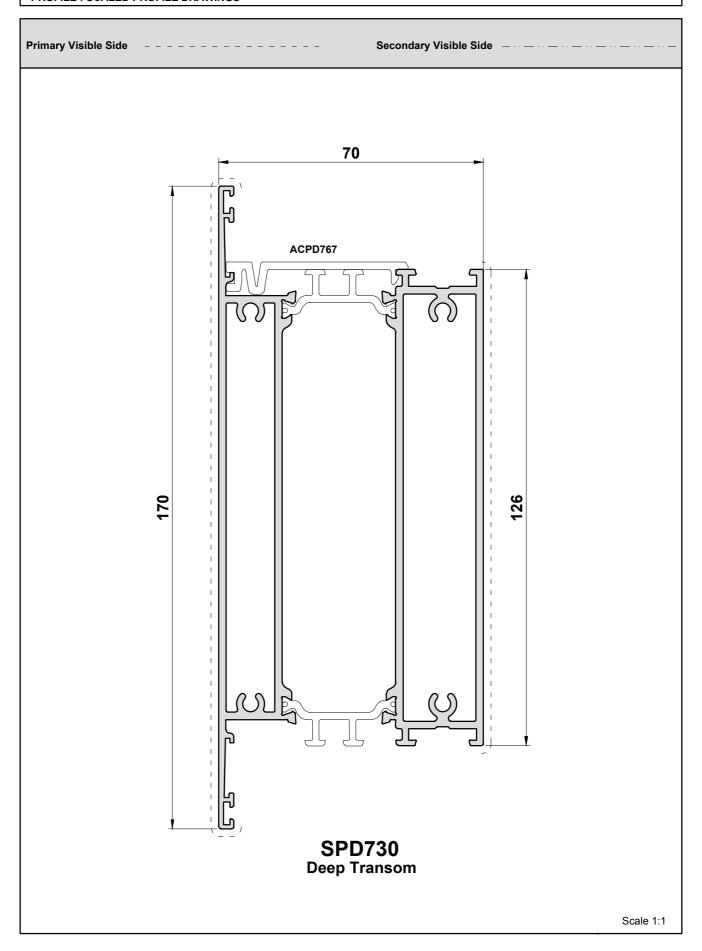
PROFILE: SCALED PROFILE DRAWINGS

**Primary Visible Side** Secondary Visible Side ACPD767 62 ACPD711B **SPD710 Fixed Light 70** Scale 1:1

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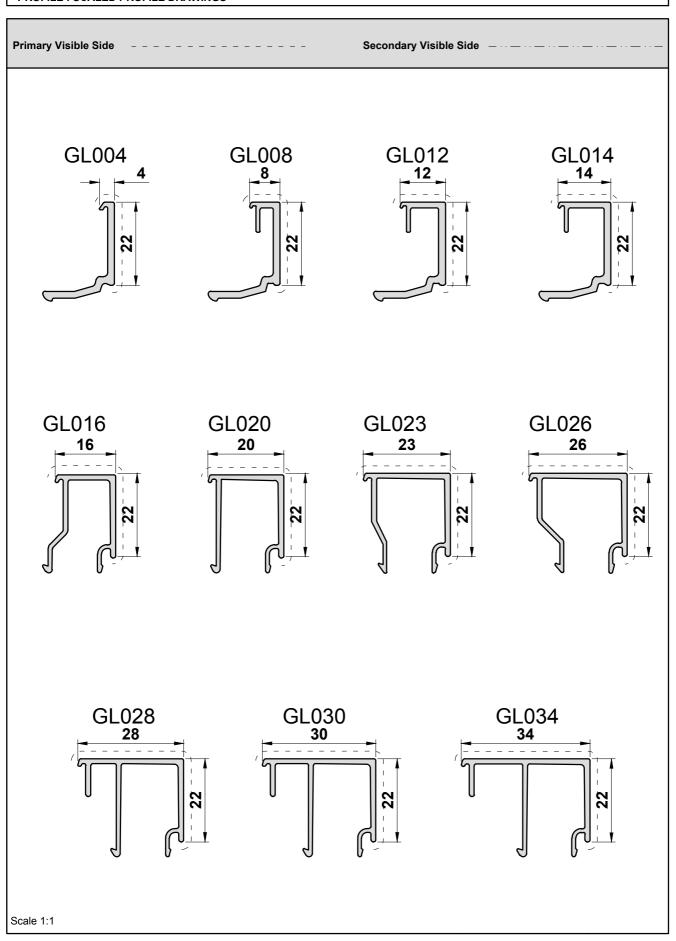


PROFILE: SCALED PROFILE DRAWINGS



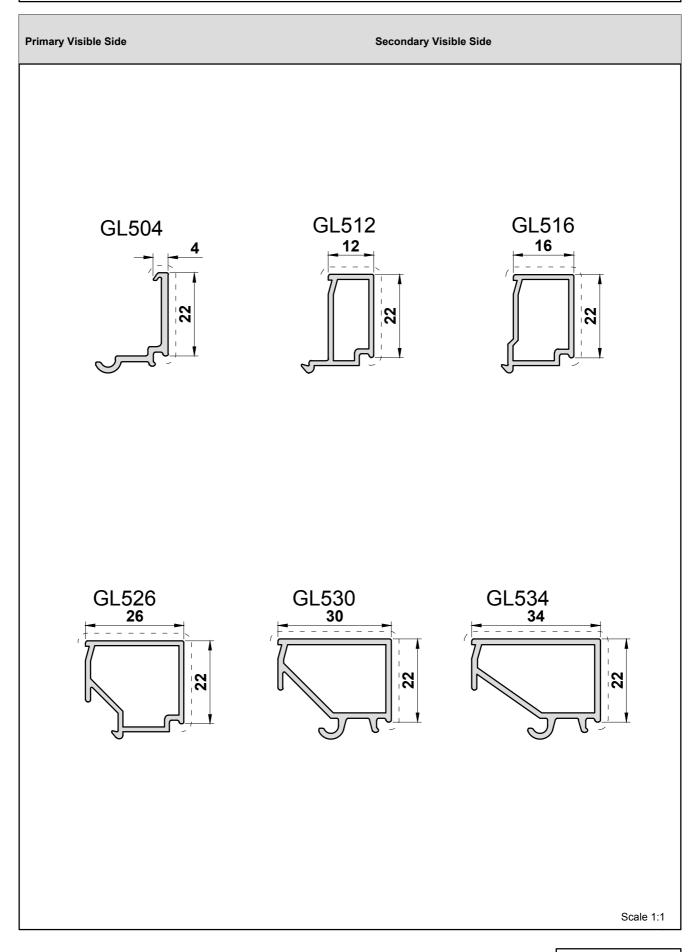
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PROFILE : SCALED PROFILE DRAWINGS

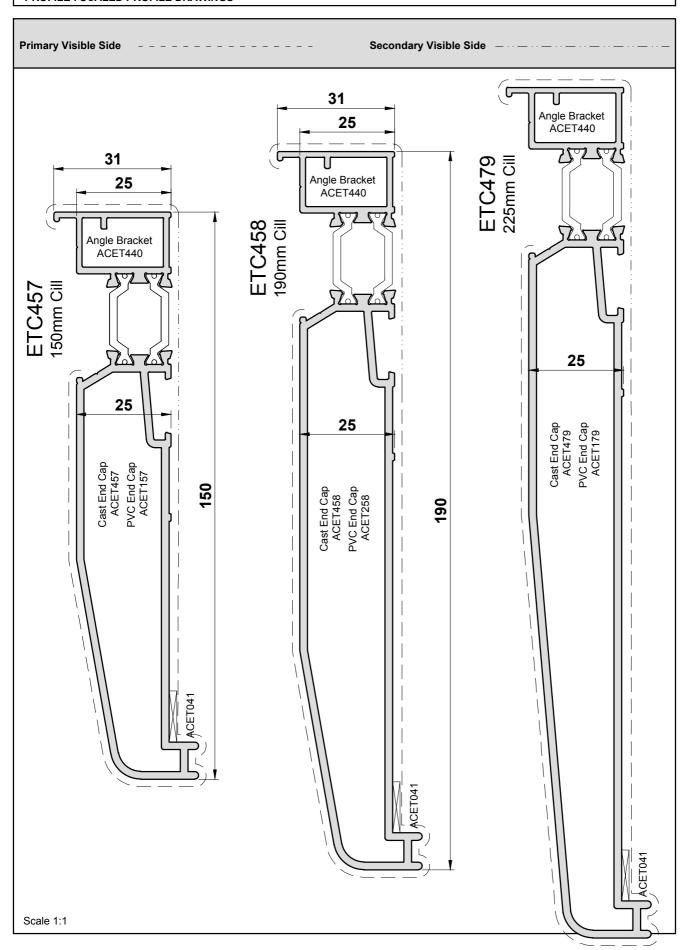




### PROFILE : SCALED PROFILE DRAWINGS

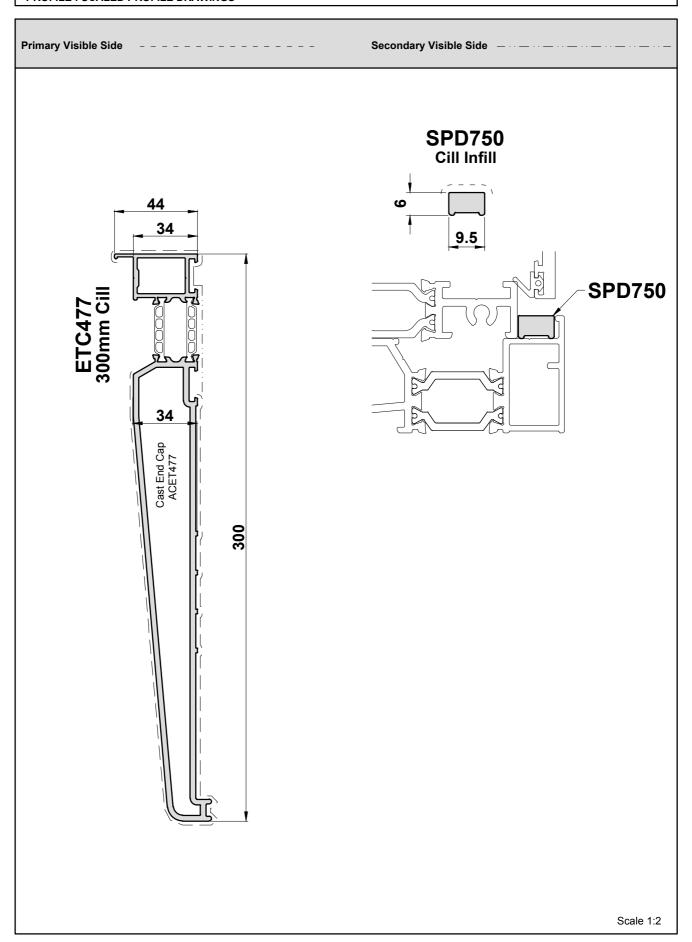


PROFILE: SCALED PROFILE DRAWINGS





PROFILE: SCALED PROFILE DRAWINGS



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ISSUED: NOVEMBER 2018



PROFILE : SCALED PROFILE DRAWINGS

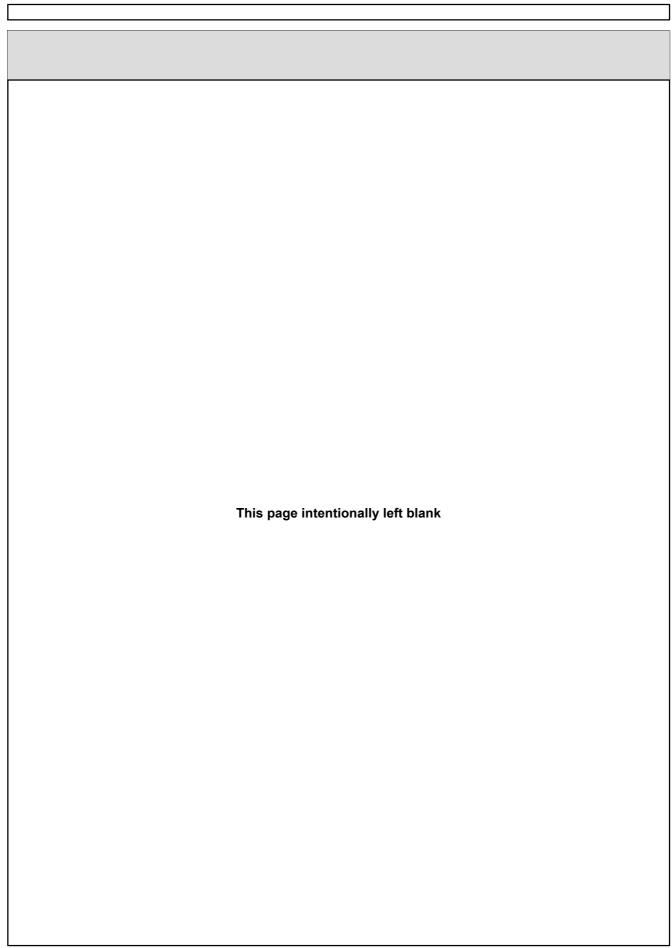
Primary Visible Side		Secondary Visible Side
	This page intenti	onally left blank
Scale 1:1		

PAGE **A22** 



Section B	
Accessories	
Photos & Drawings	





PAGE B02 ISSUED: NOVEMBER 2018



ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour
0	ACET041  Nose Bracket Variable Cill Joint	1	each		MF SA KL HP SSC SMC W Z PC
25.5	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
63.5 	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 ACVC66=3.0mm ACVL150=4.0mm Screw (Grub)		: White : Black	X	77	



ACCESSORIES : PHOTOS & DRAWINGS

ACCESSORIES : FRO TOS & DRAWING					
Image	Part Code	Pack	Unit	Application	Colour
	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 V ✓ Z ✓
	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 ✓
	ACET258 PVC Cill End Cap	10	pairs	ETC458	MF SA KL HP SSC SMC W ✓ Z ✓
T-BARS ACVC65=25mm ACVC66=30mm ACVL150=4.0mm  Screw (Grub)	0.1	White Black	X	<b>1</b>	



ACCESSORIES : PHOTOS & DRAWINGS

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 V SA KL V HP V SSC SMC W V Z V
	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 V SA KL V HP V SSC SMC W V Z V
T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm  Screw (Grub)	04 09 - 4 - 4 - 4	= White = Black	X	<b>7</b> 7	

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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
34.5	ACGSL045  Drainage Cover Cap	100	pack		MF SA KL HP SSC SMC W Z PC
32	ACIM062  No.10 x 1½" S/S Self Tapping CSK Screw	100	pack		MF SA KL HP SSC SMC W Z PC
22	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)	l	- White - Black	X	<b>S</b>	



ACCESSORIES : PHOTOS & DRAWINGS

AGESSONIES : FITO TOS & BINAWINGS							
lmage	Part Code	Pack	Unit	Application	Colour		
27 19.5	ACPD711B SPD710 Inner Cleat	24	pack	SPD710	MF ✓ SA KL HP		
					SSC SMC W Z PC		
	ACPD765	20	pack	SPD755	MF SA KL		
	End Caps for SPD755				HP SSC SMC W		
					Z V PC		
	ACPD767 SPD710 Bridge Packer	10	pack	SPD710	SA KL HP		
					SSC SMC W Z PC		
	ACVG31N	200	m		MF SA		
	Glazing gasket outside 3mm rotated				KL HP SSC SMC		
	ACFT031N	6000	m		W Z PC		
	ACVG32N	100	m		MF SA KL		
	Glazing gasket inside 3mm rotated				HP SSC SMC		
	ACFT032N	2400	m		W Z PC		
T.BARS ACVG65=2.5mm ACVG65=3.0mm ACVL150=4.0mm		= White = Black	X	<b>1</b>			
	SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome						

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ACCESSORIES : PHOTOS & DRAWINGS

ACCESSORIES : FHOTOS & DRAWINGS	-				
Image	Part Code	Pack	Unit	Application	Colour
	ACVG33N	100	m		MF ✓
	ASTOCK	100	•••		SA KL
	Glazing gasket inside				HP
	4mm rotated				SSC
					SMC W
	ACFT033N	2400	m		Z
					PC
	ACVG340N	100	m		MF
	AC V G 3 4 0 1 4	100	111		SA KL
	Glazing gasket inside				HP
	6mm rotated				SSC
					SMC W
	ACFT340N	2400	m		Z
					PC
	ACVG34N	100			MF
	ACVG34N	100	m		SA KL
	Glazing gasket inside				HP
	5mm rotated				SSC SMC
					W
	ACFT034N	2400	m		Z
					PC
	ACVG45N	100	pack		MF
	Drainage Cover Cap		puon		SA KL
					HP
Smart					SSC SMC
					W ✓
					Z ✓
					PC PC
	ACVL020B	200	pack	SPD710	MF SA
			•		KL
	SPD710 Plastic Chevron				HP SSC
					SMC
					W
					Z PC
TRADE	MF = Mill Finish W =	 = White		~ 14 >	
T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm Screw (Grub)	SA = Silver Anodised Z = KL = Basic Colour	Black	X		
, ,	HP = Special Colour			<u> </u>	
	SSC = Smooth Satin Chrome SMC = Smokey Chrome				
	PC = Polished Chrome				



ACCESSORIES : PHOTOS & DRAWINGS

ACCESSORIES : FIOTOS & DRAWINGS					
lmage	Part Code	Pack	Unit	Application	Colour
_	A CLINISOOO	10	pairs	LINISOOO	MF
	ACUN3000	10	pairs	UN3000	SA
ACUREOUO	Find Comp for UNI2000				KL
	End Caps for UN3000				HP SSC
					SMC
					W
					Z 🗸
					PC
		4.0.0	_		MF
	ACUN3512	100	pack		SA
				UN3000	KL
	No. 8 x 32mm CSK SS Pozi				HP
	Screw				SSC
					SMC
					W Z
					PC
					· ·
	ACUN3513	100	pack	SPD755	MF SA
			-	UN3000	KL
4	No.8 x 45mm CSK SS Pozi				HP
	Screw				SSC
					SMC
					W
					Z
					PC
					MF
					SA
					KL
					HP SSC
					SMC
					W
					Z
					PC
					MF
					SA
					KL
					HP
					SSC
					SMC W
					Z
					PC
T-BARS ACVG65=25mm ACVG66=30mm Screw (Grub)	SA = Silver Anodised Z =	L = White = Black	Ā	<b>/</b> // P	
ACVL150=4.0mm	KL = Basic Colour HP = Special Colour				
	SSC = Smooth Satin Chrome SMC = Smokey Chrome				
	PC = Polished Chrome				

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lmage	Part Code	Pack	Unit	Application	Cole	our
Will Pools	ACMX09700 Alu. Polish	1	each		MF SA KL HP SSC SMC W Z	<b>√</b>
MANGE - O COSA  THE COST OF TH	ACMX09761 Maxi Gloss	1	each		PC  MF SA KL HP SSC SMC W Z	
TERIODICUS  WAS ARISE SERVICES  WAS ARISE SERVICES  WAS ARREST SERVICES	ACMX09762 Alu. Bright	1	each		MF SA KL HP SSC SMC W Z	
CRO DRY LUBE payer of for latence of the payer of for latence of the payer of the p	ACMX09763 Teflon Spray	1	each		MF SA KL HP SSC SMC W Z	
MAXI - CLEANER  The state of th	ACMX09764 Maxi Clean	1	each		MF SA KL HP SSC SMC W Z PC	
T-BARS ACVG05-2-5mm ACVL150-4-0mm  Screw (Grub)	0.1	= White = Black	X			

PAGE B10



Image	Part Code	Pack	Unit	Application	Colour
CLUE-CLEANER  REGELE ONIVETER BE EUCONE-REMOVER !  CONTAGET ALL LUMBERTER by SAMMERS ROAT LANGERING TOURS  THE STATE OF TH	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)	• • • • • • • • • • • • • • • • • • •	White Black	X	77	

ISSUED: NOVEMBER 2018 PAGE B11



Image	Part Code	Pack	Unit	Application	Colour
	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)		- White - Black	X	<b>7</b> 7	

PAGE **B12** 



STANDARD ACCESSORIES

lmage	Part Code	Pack	Unit	Application	Cole	our
and (parlow read)	ACSIL014 Anti-Corrosion Coating	1	each		MF SA KL HP SSC SMC W Z PC	<b>Y</b>
	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	
T-BARS ACVG65-2.5mm ACVG66-3.0mm Screw (Grub)	SA = Silver Anodised Z =	= White = Black	X	<b>√</b> /3 ₹	MF SA KL HP SSC SMC W Z PC	<b>X</b> 1.
ACVL150=4.0mm	KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome		7	7	<u></u>	

PAGE B13



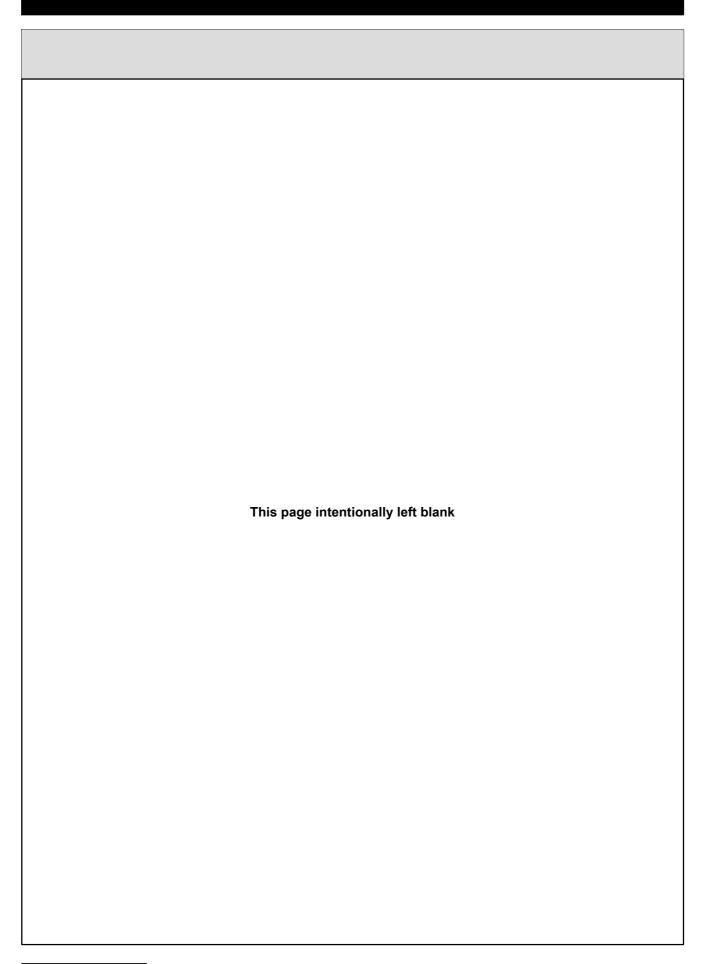
STANDARD ACCESSORIES

Image	Part Code	Pack	Unit	Application	Colour
					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
					SA
					KL
					HP SSC
					SMC
					W
					Z
					PC
					MF
					SA
					KL
					HP SSC
					SMC
					W
					Z
					PC
T-BARS ACVG65=25mm ACVG66=30mm ACVL150=4.0mm	SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome	W = White Z = Black	X	<b>1</b>	
	SMC = Smokey Chrome PC = Polished Chrome				



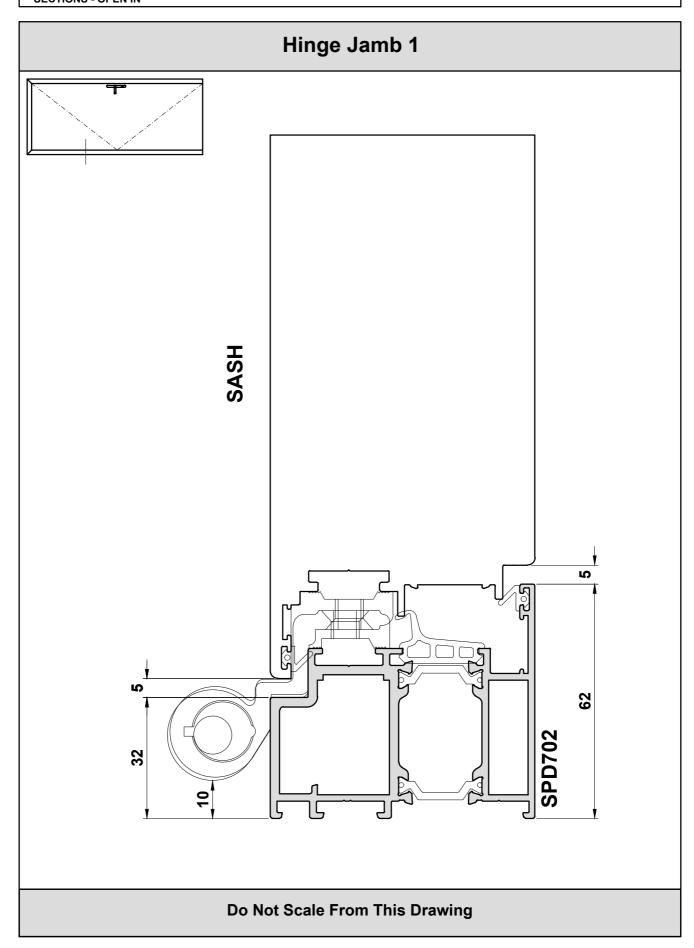
Section C
<u>Sections</u>
Scale Elevations

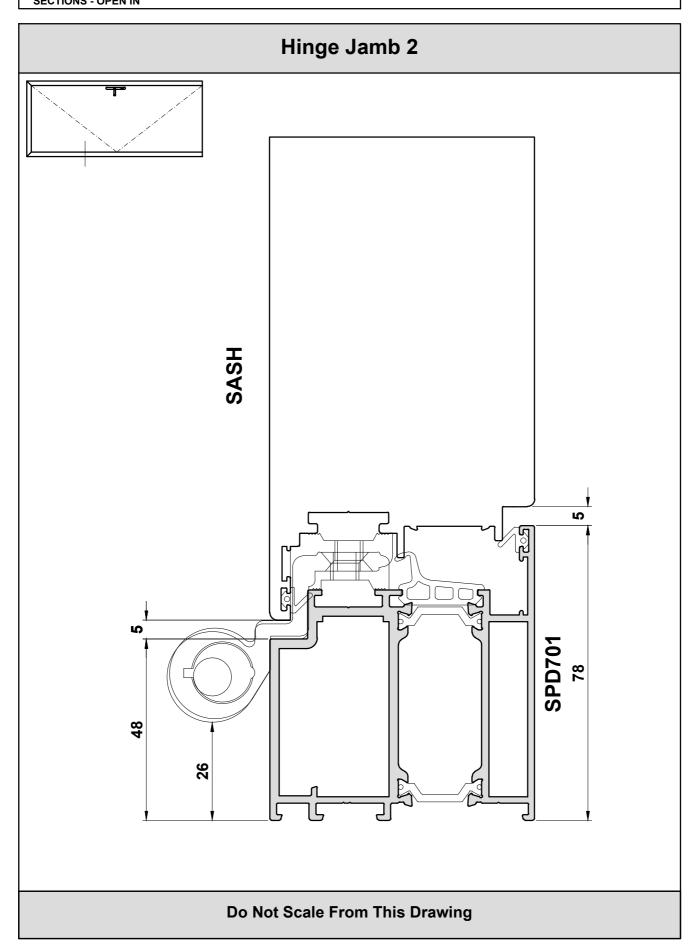




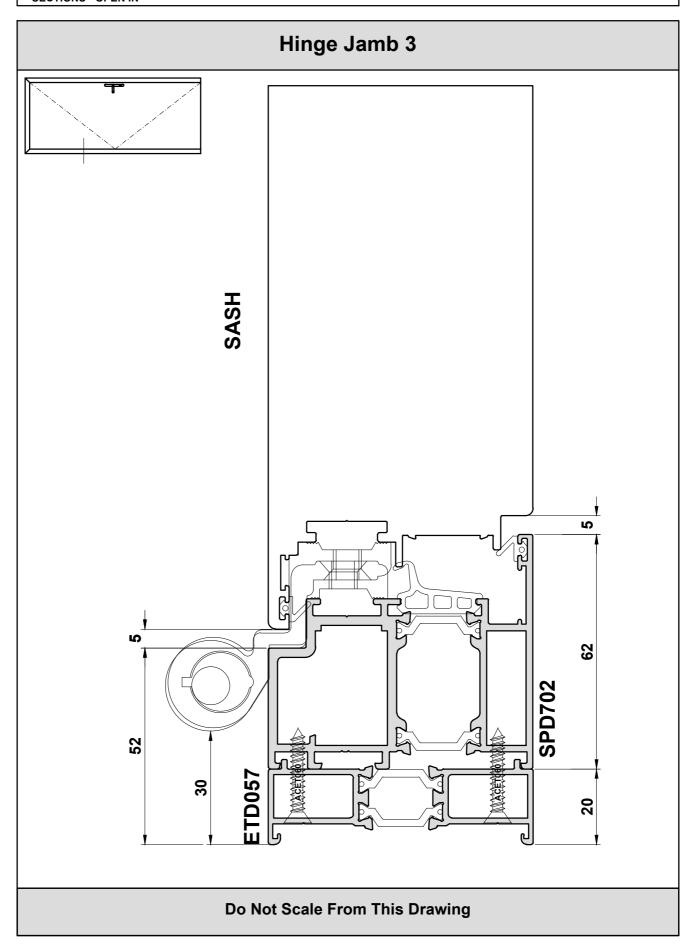
PAGE C02 ISSUED: NOVEMBER 2018

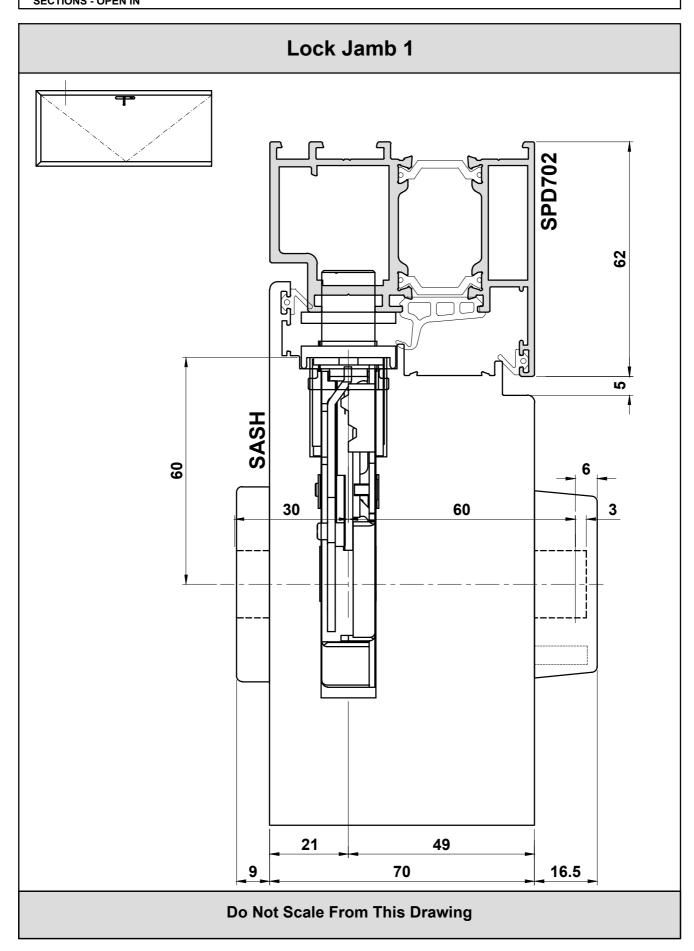




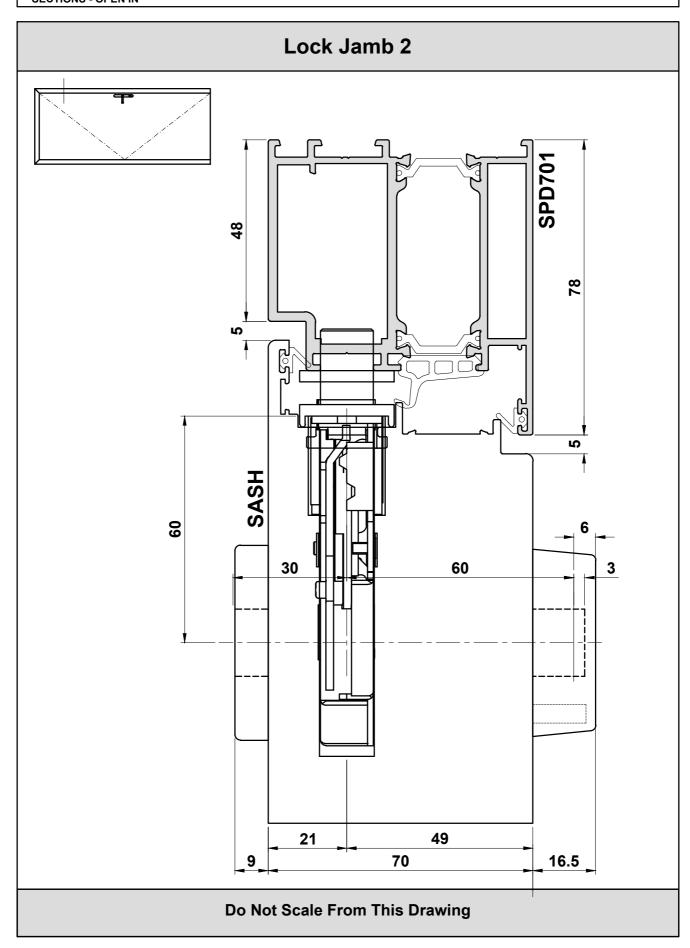


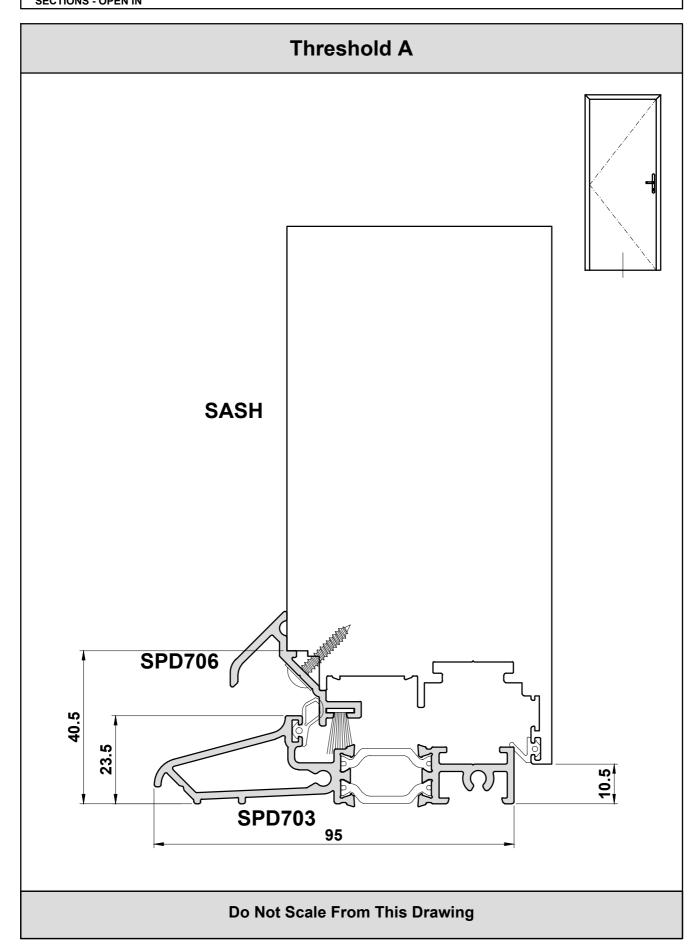




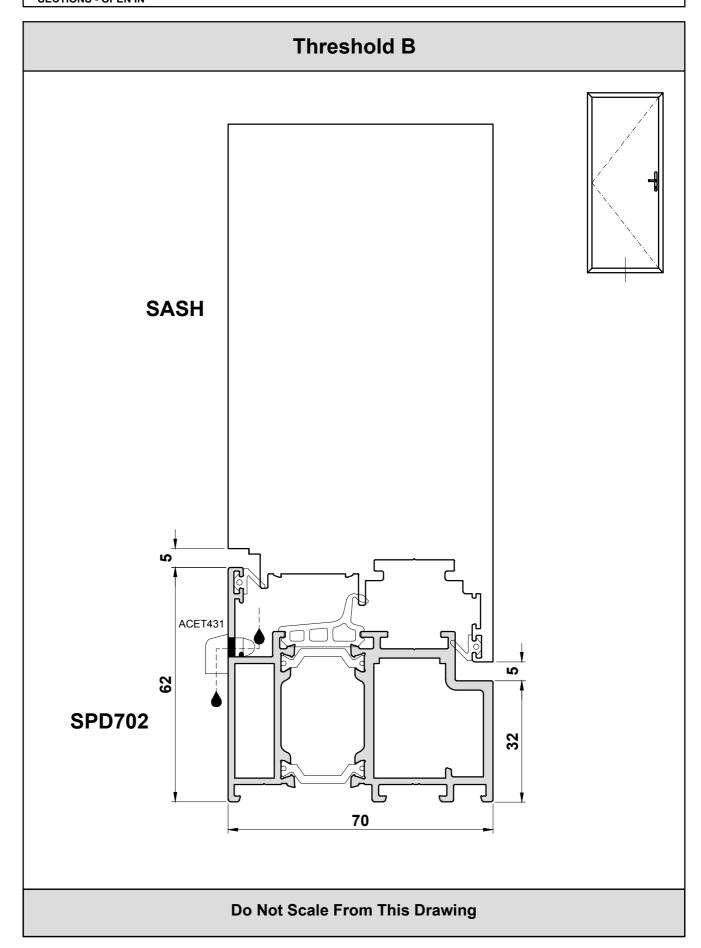


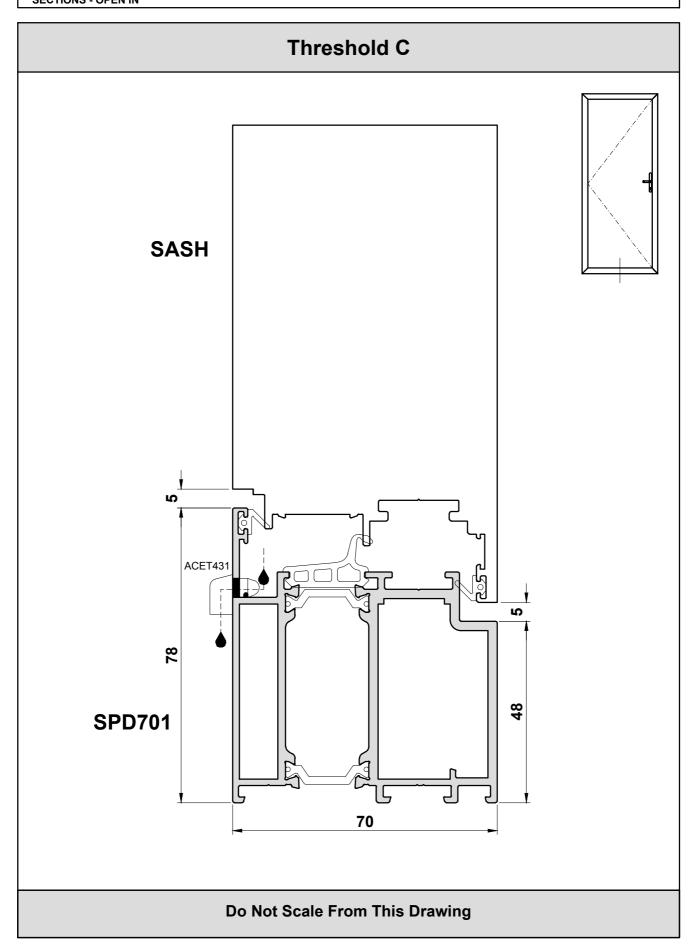




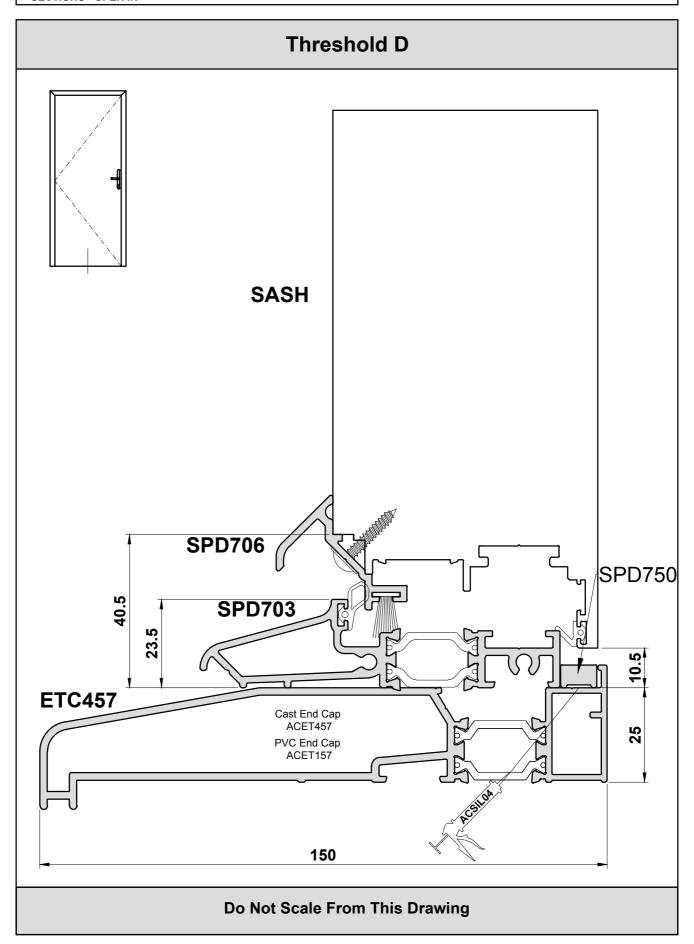




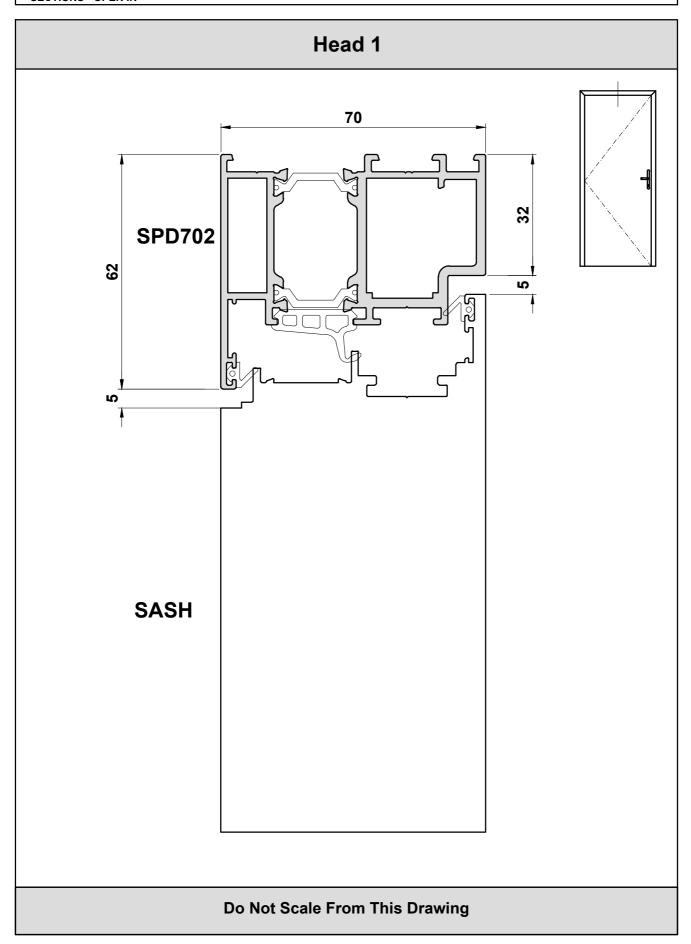




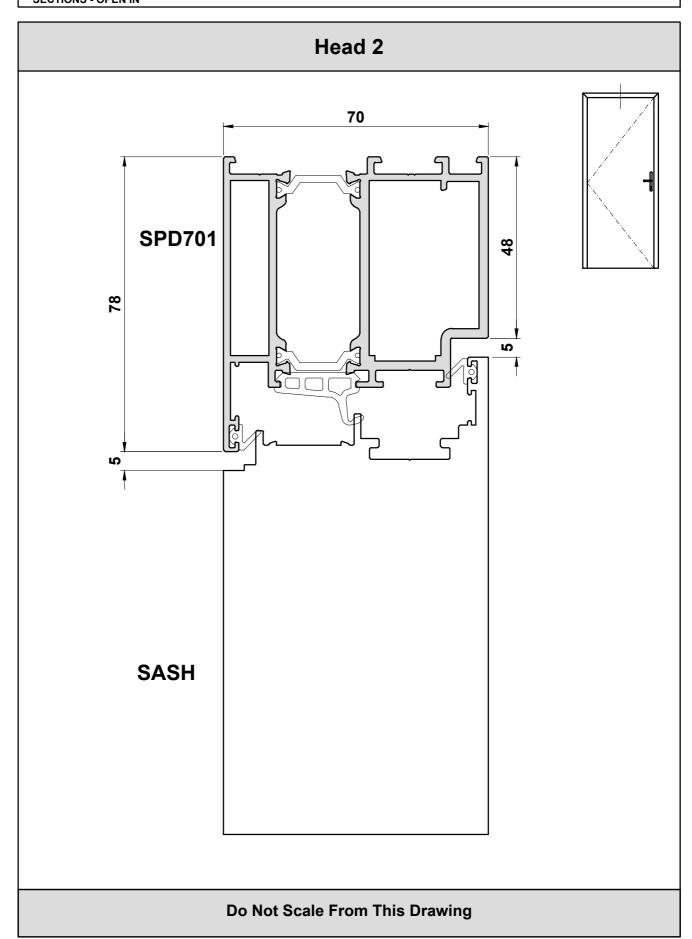


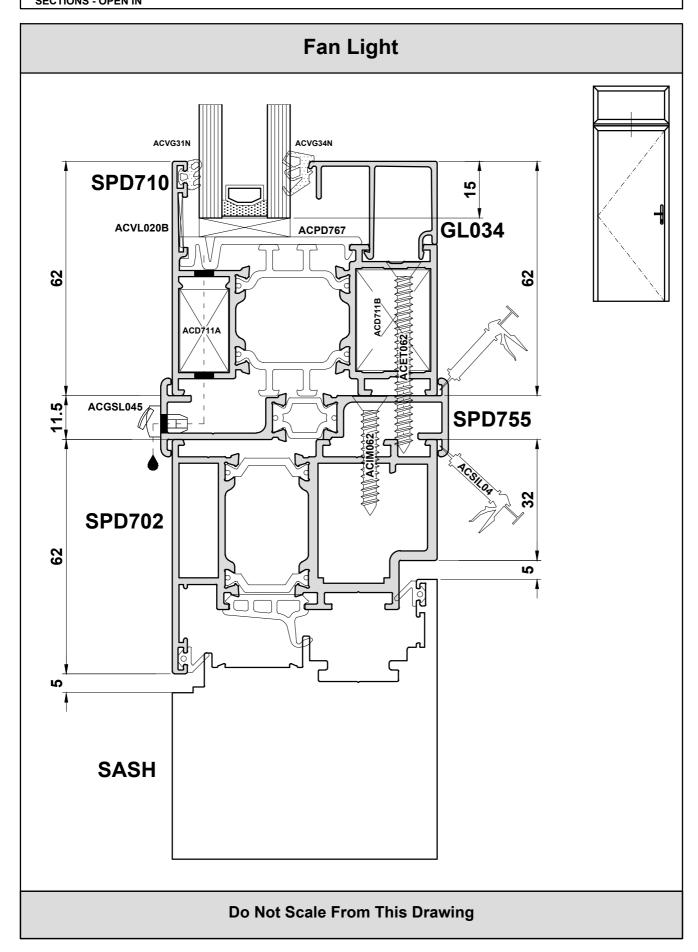




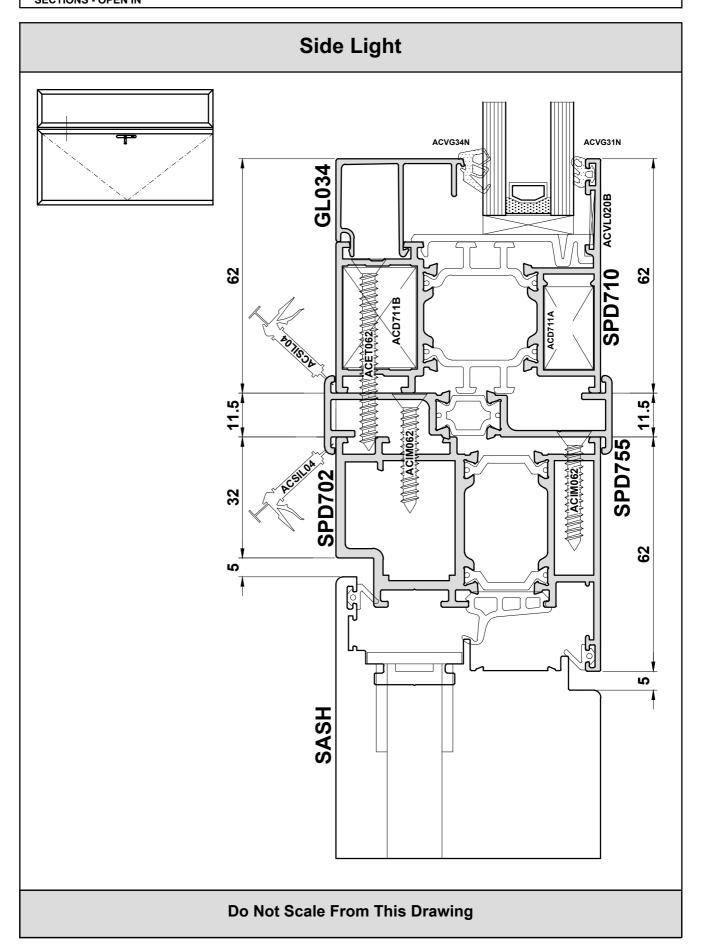


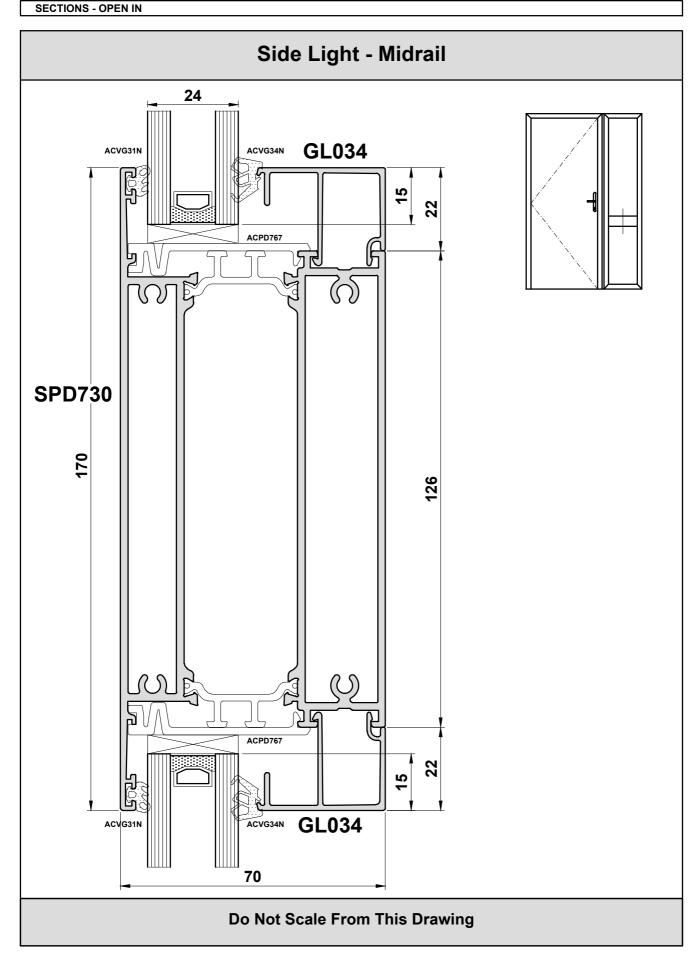












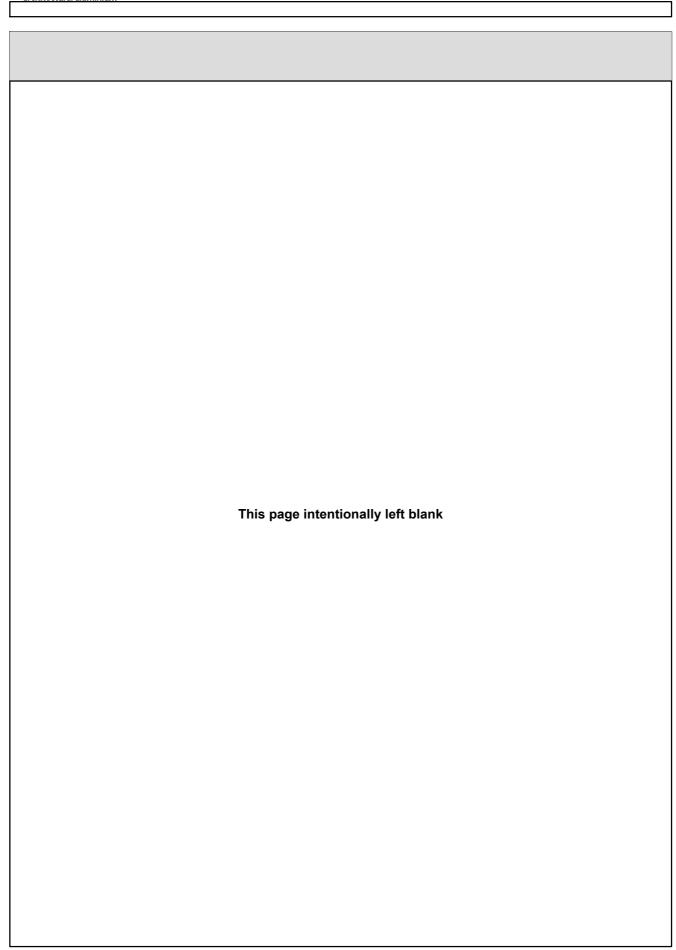


### **Section D**

**Statics** 

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





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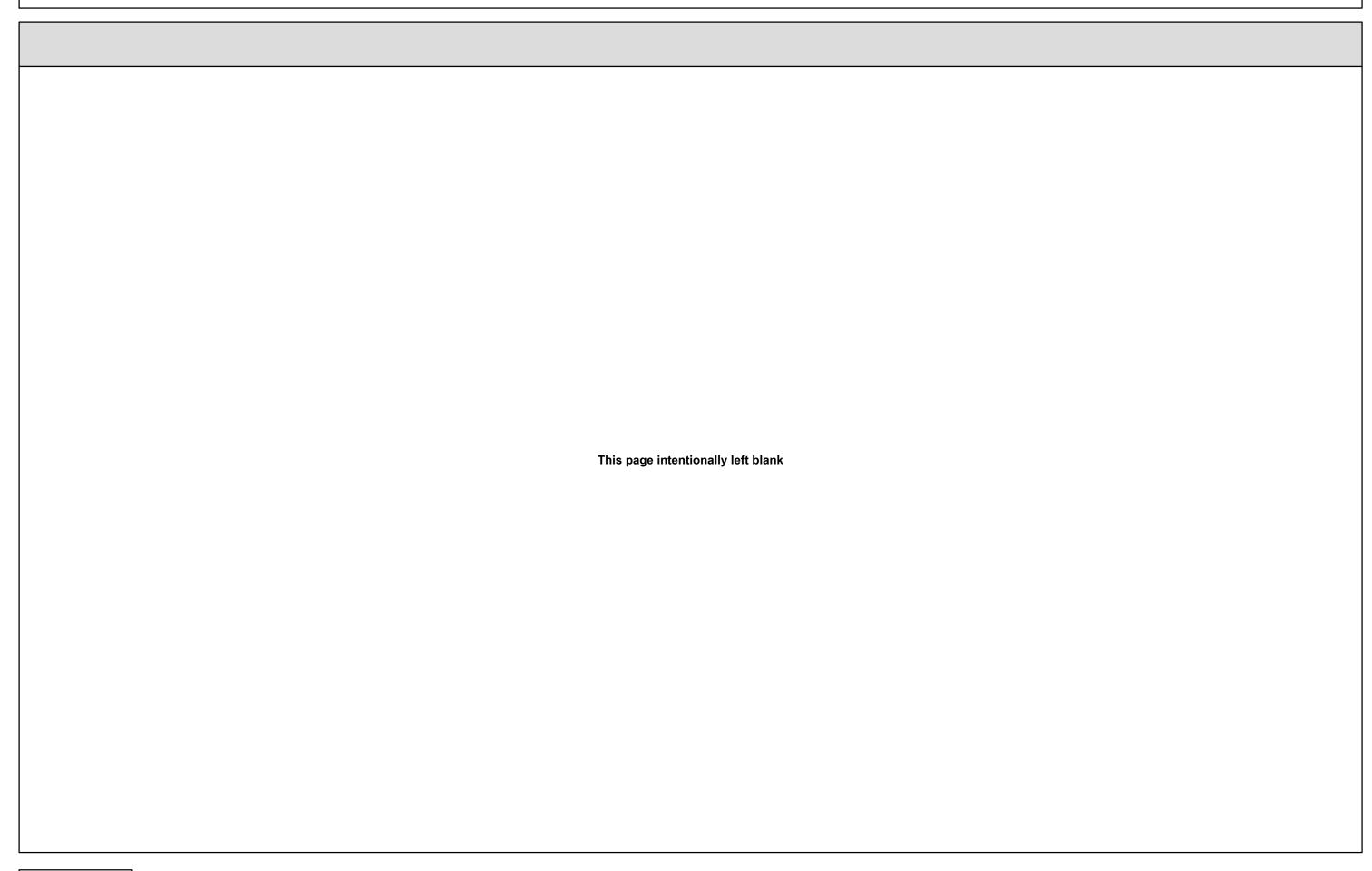


## Section E

# **Construction Drawings**



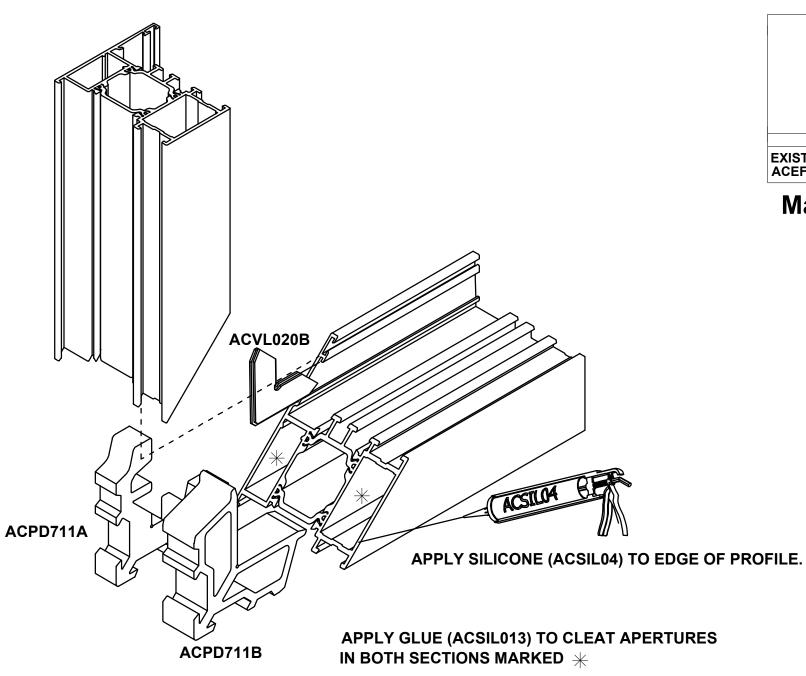
Corner Joint Details	E03
Drainage	E04
UN3000 Drainage and Fixing	E05
SPD755 Horizontal Coupler Detail	E06
SPD755 Vertical Coupler Detail	E07
Coupling Door with Side Lights and Fanlight	E08 - E09
SPD730 Transom Fixing	E10
ACPD742 LetterBox Preparation	E11
Glazing Details	E12 - E15

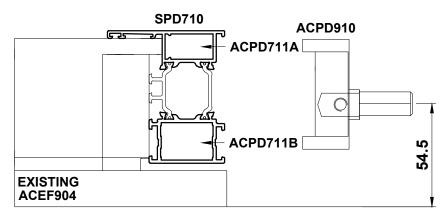


**PAGE E02** 



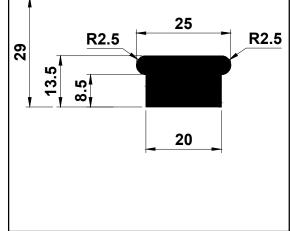
#### **Corner Joint Details**



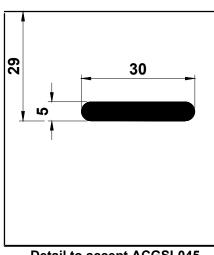


**Manual Crimper: WUT024HSZA** 

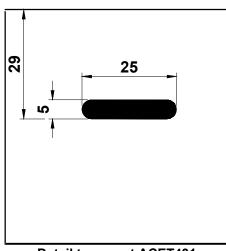
## Drainage



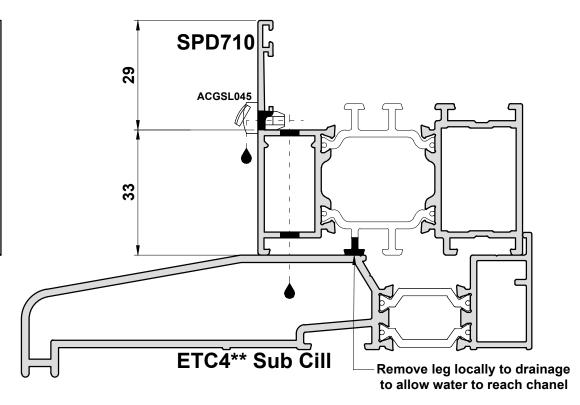
Detail to accept ACVG45N drainage cover cap
Use Punch Tool ACIP913



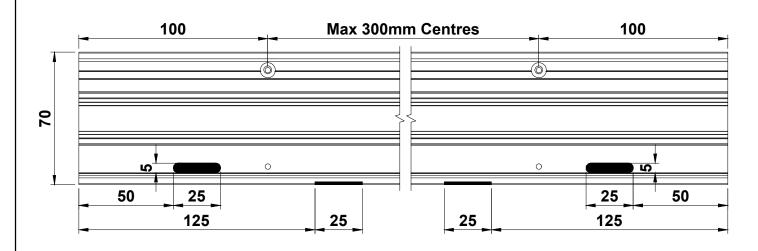
Detail to accept ACGSL045 drainage cover cap

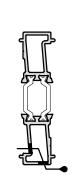


Detail to accept ACET431 drainage cover cap

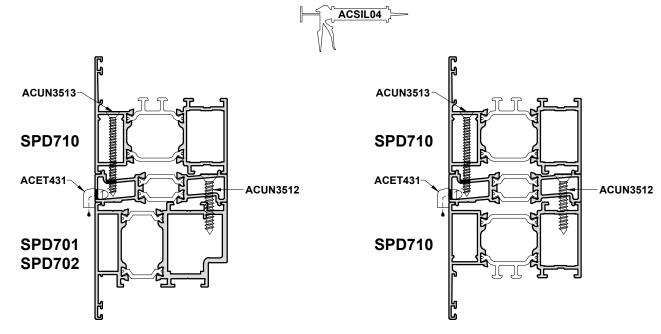


### **UN3000 Horizontal Coupler Drainage and Fixing**

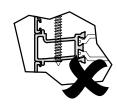


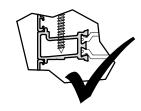


#### Important Note: Seal all joints to UN3000 using ACSIL04.



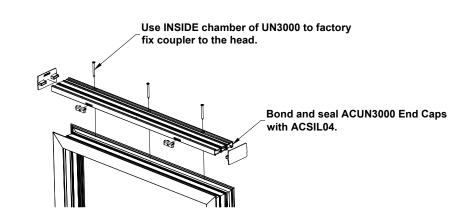


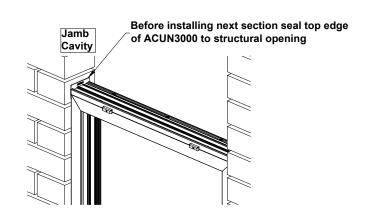


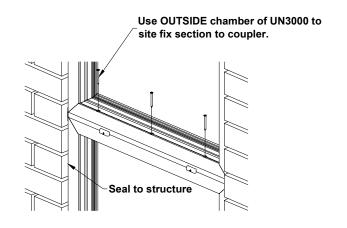


### **Zone Drainage of Jamb Cavity**

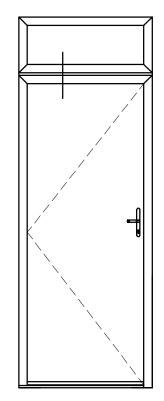
CWCT Built up wall guidance recommends drainage of Jamb Cavity





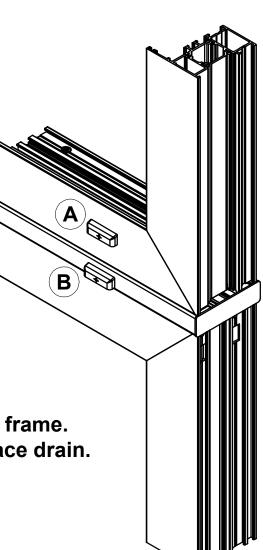


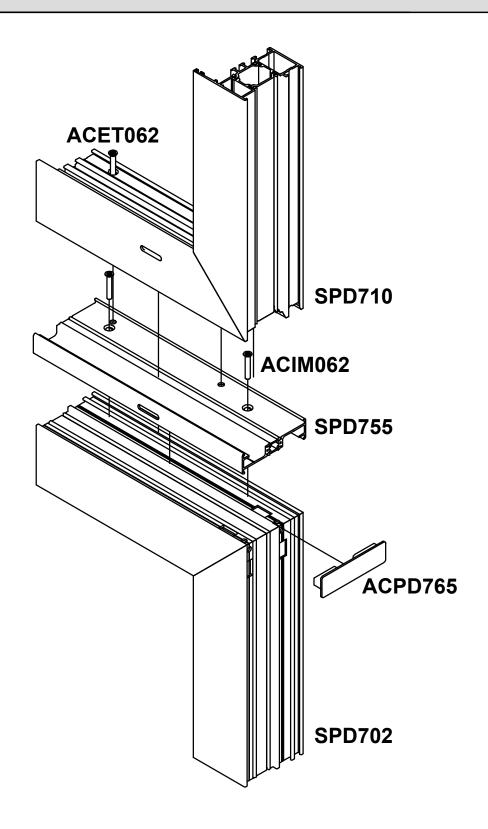
### **SPD755 Horizontal Coupler Detail**



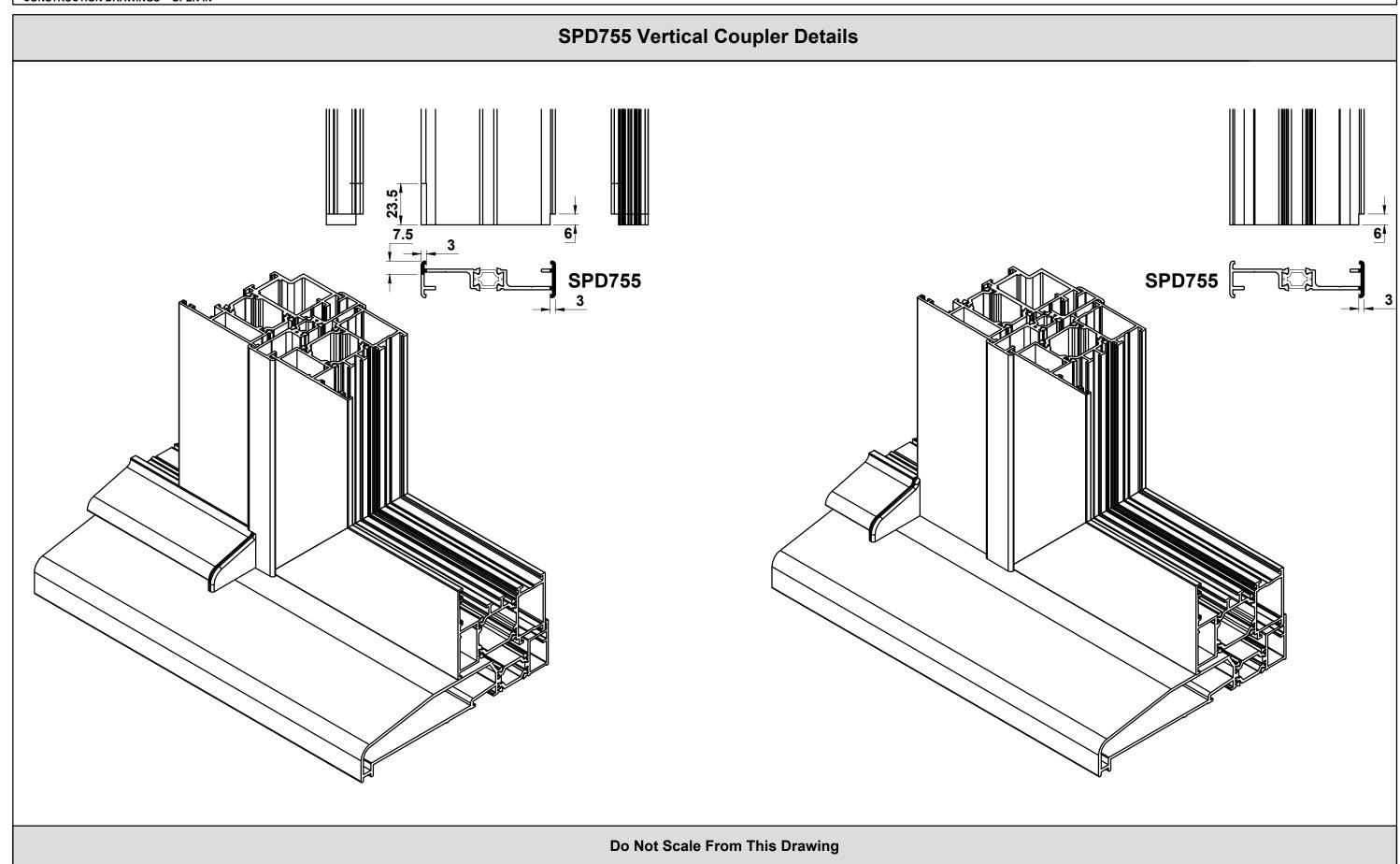


- A) Face drain through fixed light outer frame.
- B) Down drain into coupler and then face drain.

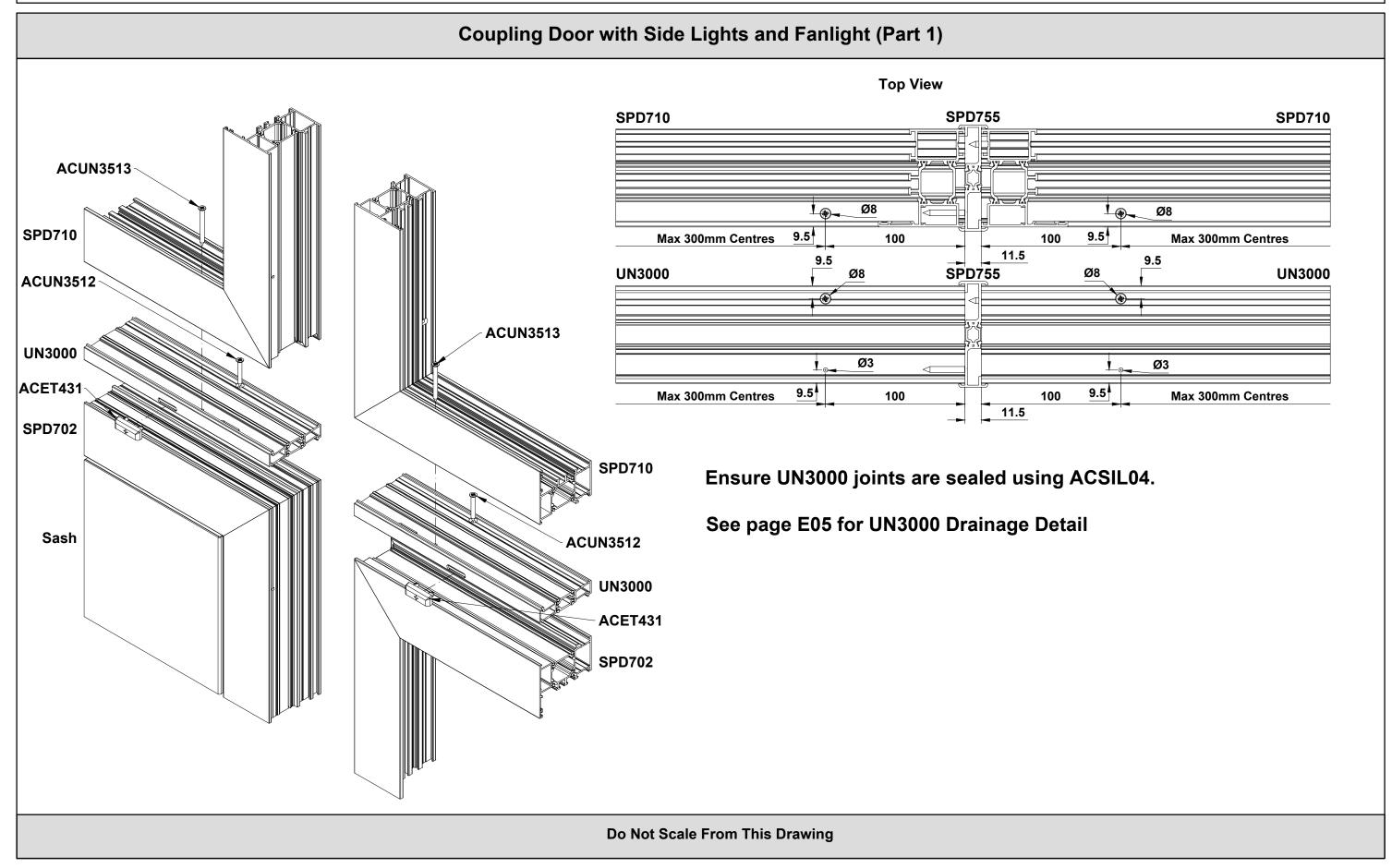




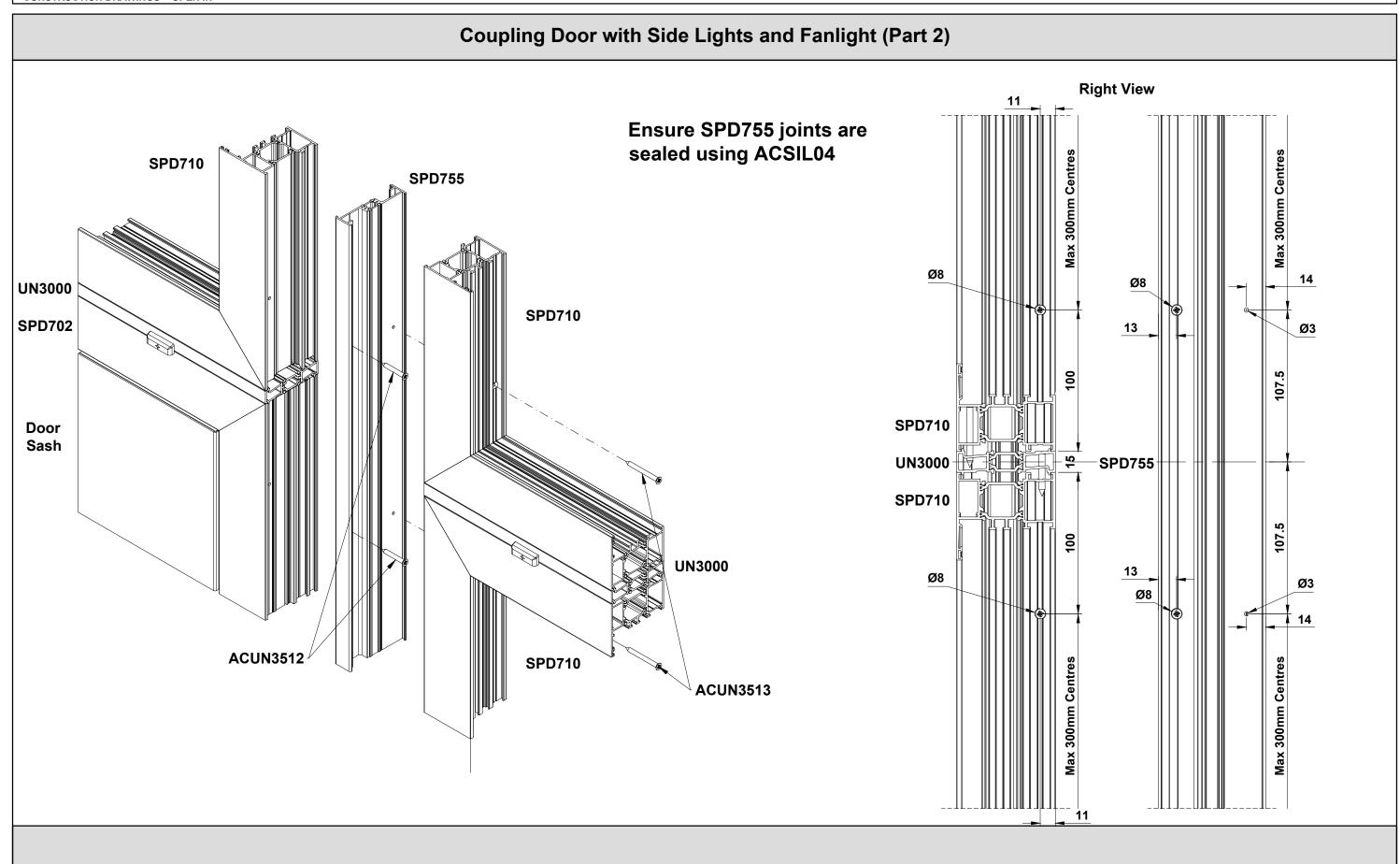




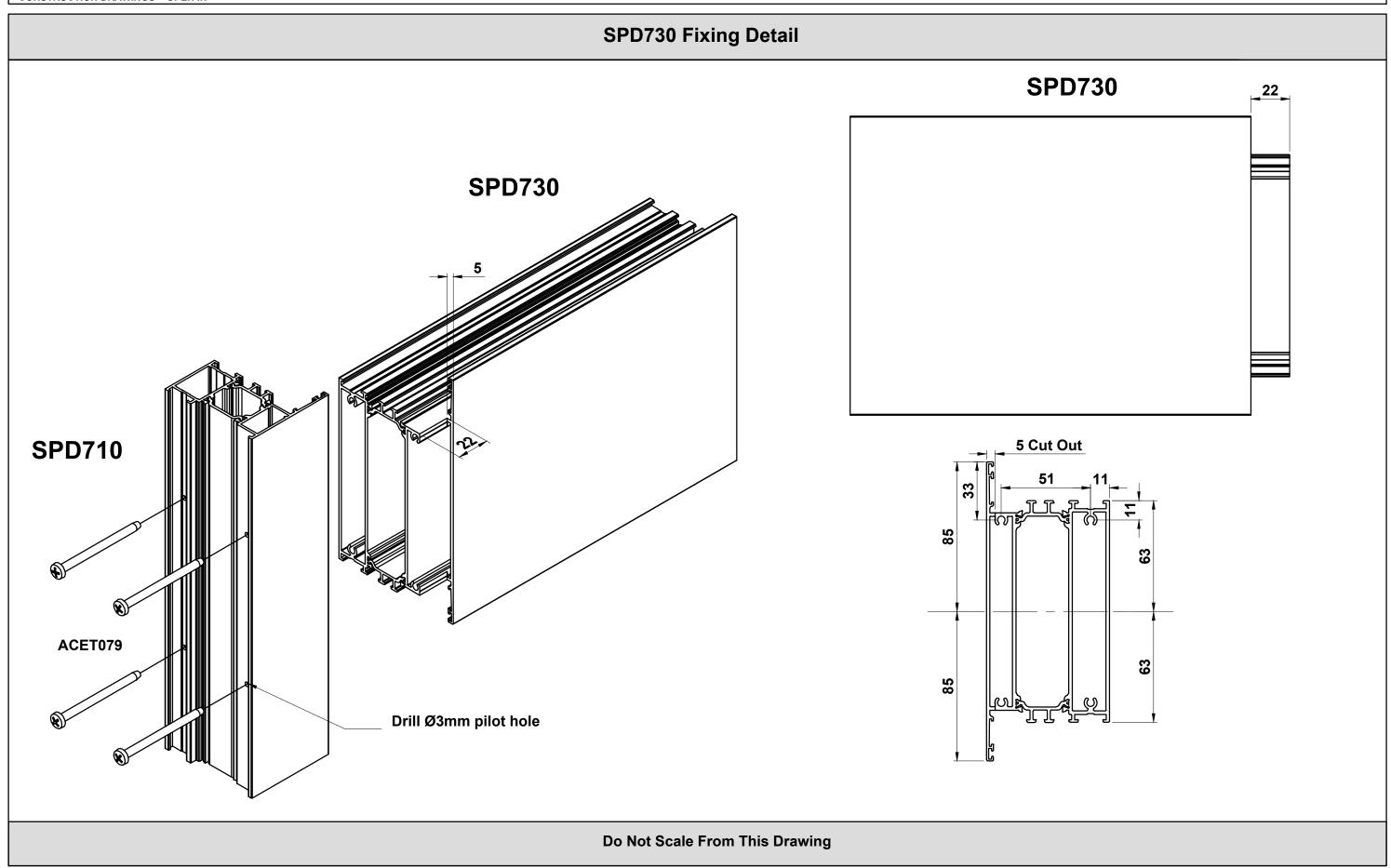






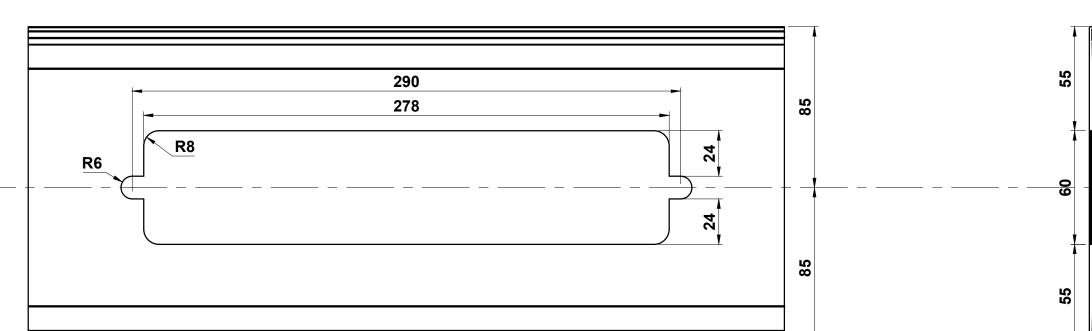




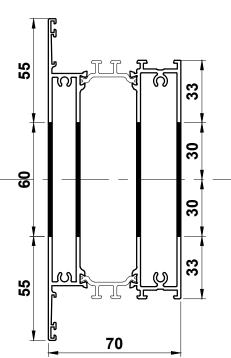




## **ACPD742 Letter Plate Preparation**



**SPD730** 

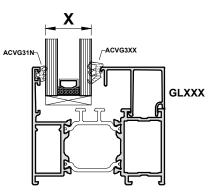


**SPD730** 

## **Glazing Details**

#### **Standard Beads**

Outer Frame: SPD710 Transom: SPD730

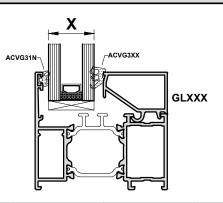


		1	_
Glass	External	Internal	Glazing
Thickness	Gasket	Gasket	Bead
24	ACVG31N	ACVG34N	GL034
25	ACVG31N	ACVG33N	GL034
26	ACVG31N	ACVG32N	GL034
27	ACVG31N	ACVG340N	GL030
28	ACVG31N	ACVG34N	GL030
29	ACVG31N	ACVG33N	GL030
30	ACVG31N	ACVG32N	GL030
31	ACVG31N	ACVG33N	GL028
32	ACVG31N	ACVG32N	GL028
33	ACVG31N	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**

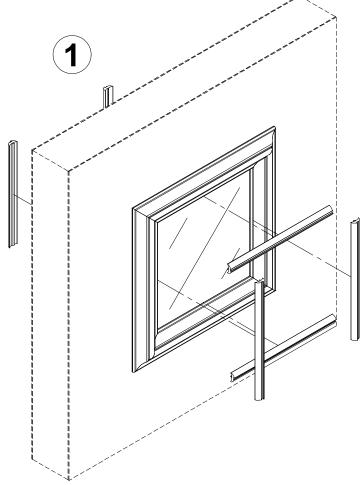
Outer Frame: SPD710 Transom: SPD730



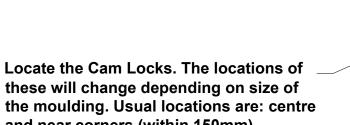
Glass Thickness	External Gasket	Internal Gasket	Glazing Bead
24	ACVG31N	ACVG34N	GL534
25	ACVG31N	ACVG33N	GL534
26	ACVG31N	ACVG32N	GL534
27	ACVG31N	ACVG340N	GL530
28	ACVG31N	ACVG34N	GL530
29	ACVG31N	ACDV33N	GL530
30	ACVG31N	ACVG32N	GL530
31	ACVG31N	ACVG340N	GL526
32	ACVG31N	ACVG34N	GL526
33	ACVG31N	ACVG33N	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

### **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.

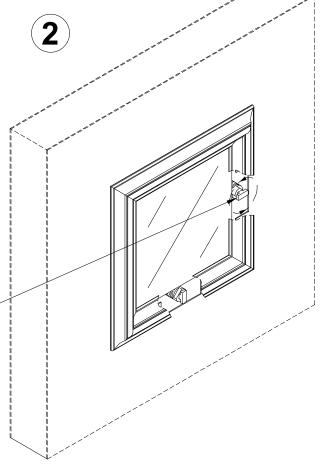


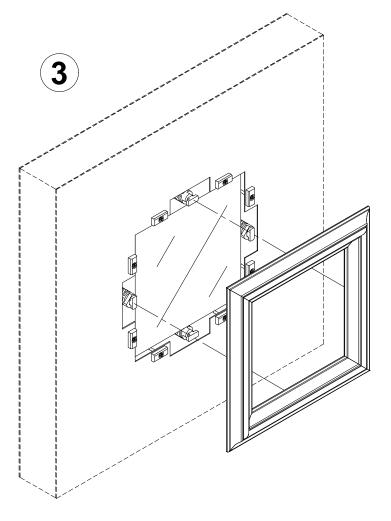
Carefully remove the glazing gaskets from both sides of the moulding. Glazing gaskets are either ACVG34 (5mm Wedge) or ACVG33 (4mm Wedge).



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

and near corners (within 150mm).



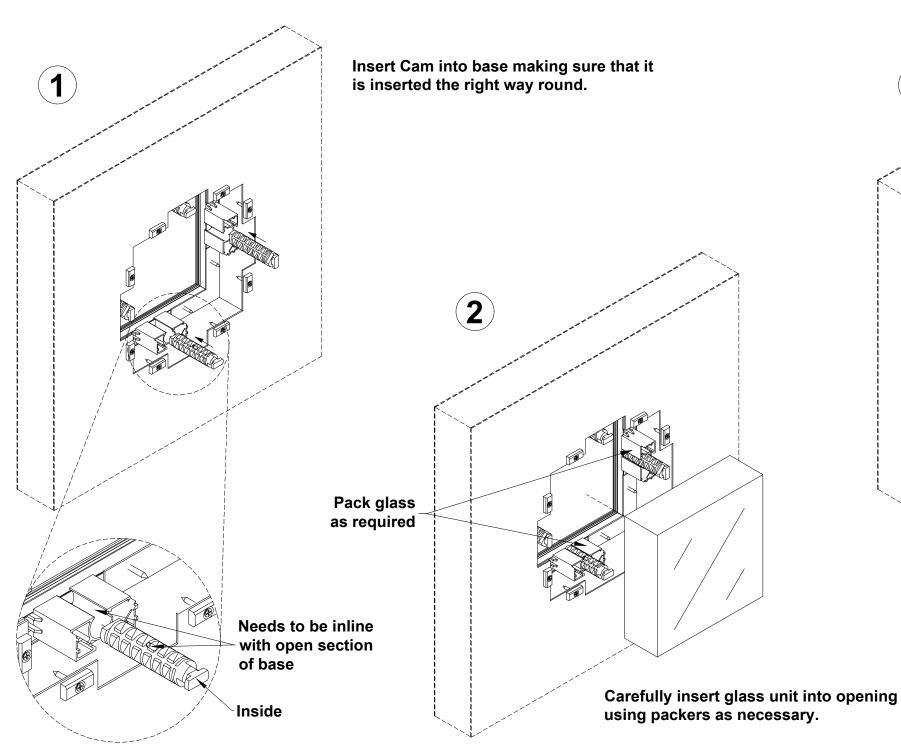


Carefully remove the moulding. The moulding should come away easily with all the cam locks undone.

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

### **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.

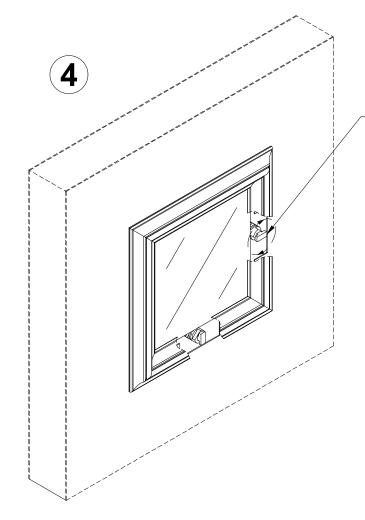


If necessary adjust the locator blocks so they are in line with moulding.

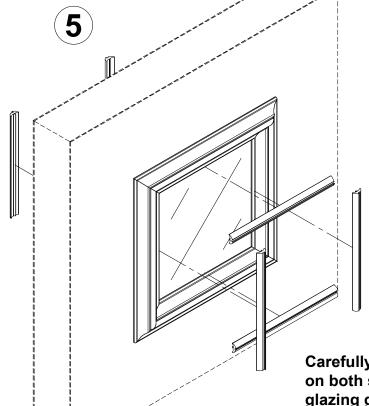
Carefully place the moulding into position.

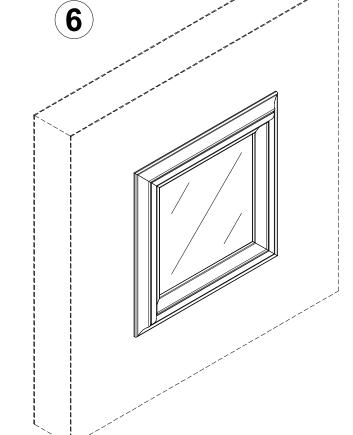
### **Glazing into Glass Mouldings (Part 2)**

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.



Using a 12mm spanner rotate all the cams by 90° clockwise to secure the moulding.





Carefully insert the glazing wedge gaskets on both sides of the moulding. Typical glazing gaskets are either ACVG34 (5mm Wedge) or ACVG33 (4mm Wedge).



CONSTRUCTION DRAWINGS - OPEN IN	
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	Do Not Scale From This Drawing

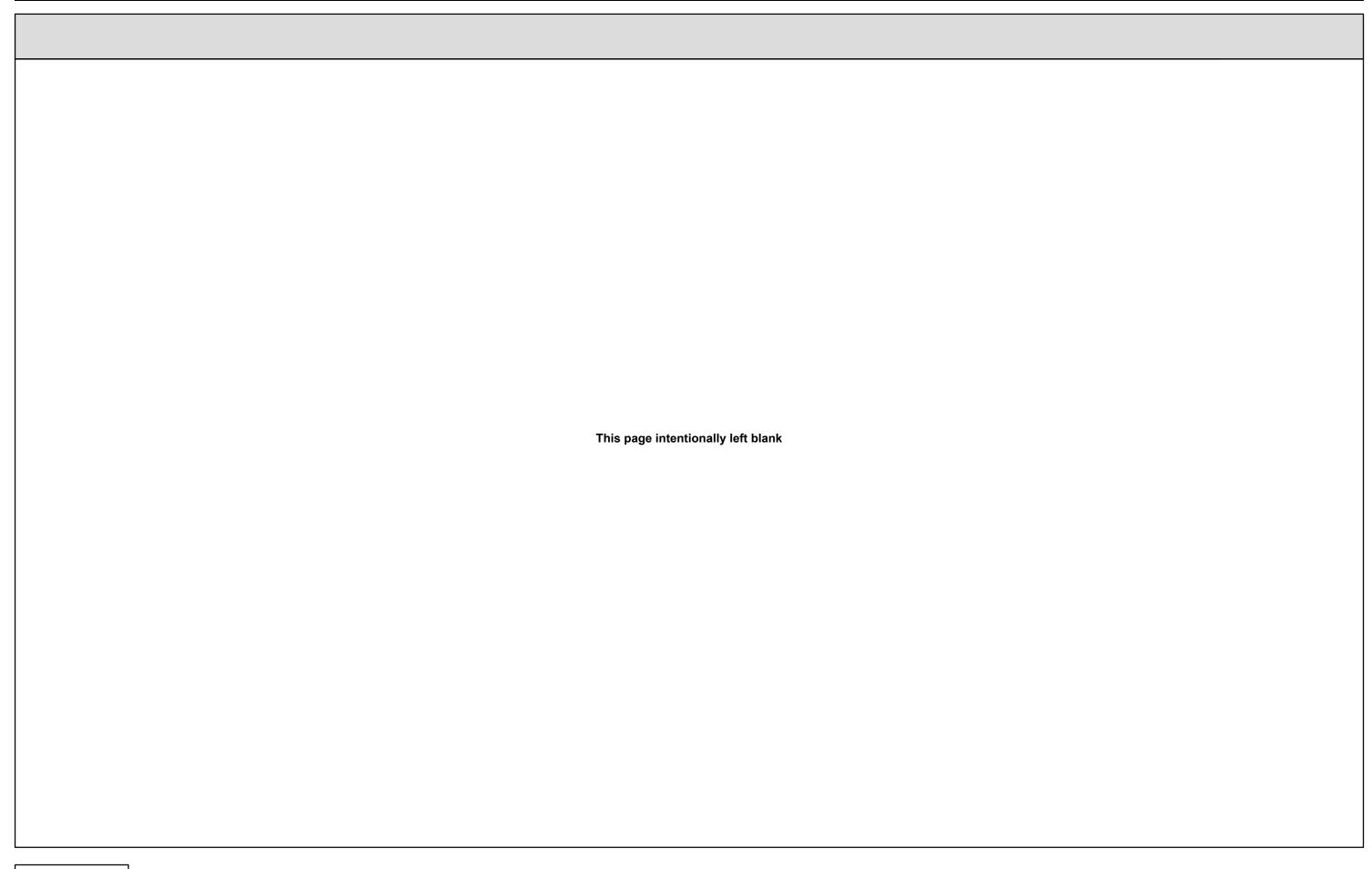
PAGE E16



# **Section F**

# **Sawing Tables**

xed Light	F03
ixed Light with Transom	F04



SAWING TABLES : OPEN IN

ACVL020B

SPD710

SPD710

62

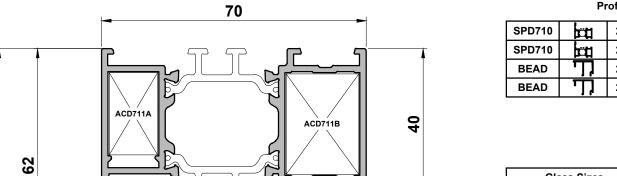
ACVL020B

I

### **Cutting Information - Fixed Light**

W - 80

H - 124



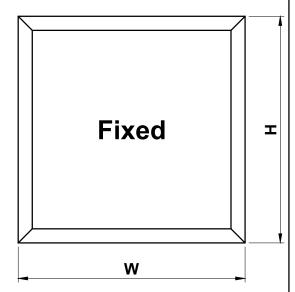
GL034

GL034

70

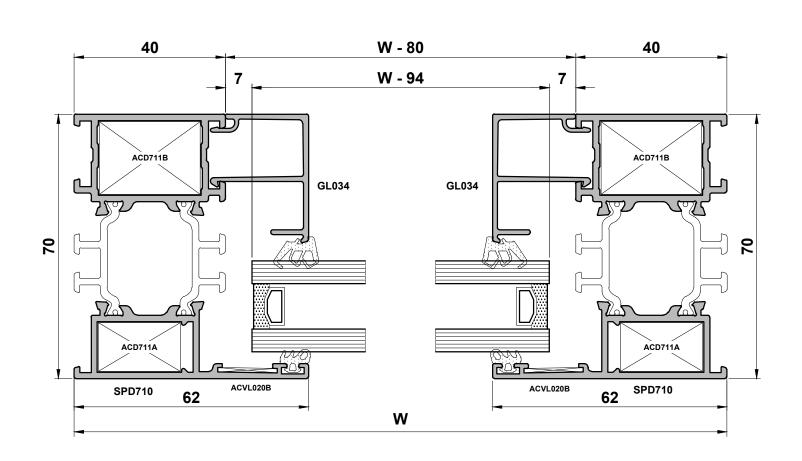
Н - 94

Accessories					
ACGSL045	ì		Drainage Cover Cap		
ACPD711A	w.}}	4	SPD710 External Crimp Cleat		
ACPD711B	긦	4	SPD710 Internal Crimp Cleat		
ACPD767	<i>(</i> )	2	Bridge Packer		
ACVG31N	<u> </u>	2H + 2W - 400	External E Gasket		
ACVG3XX		2H + 2W - 400	Internal Wedge Gasket		
ACVL020B		4	Chevron		



Glas	s Sizes
14	W - 94
1x	H - 94

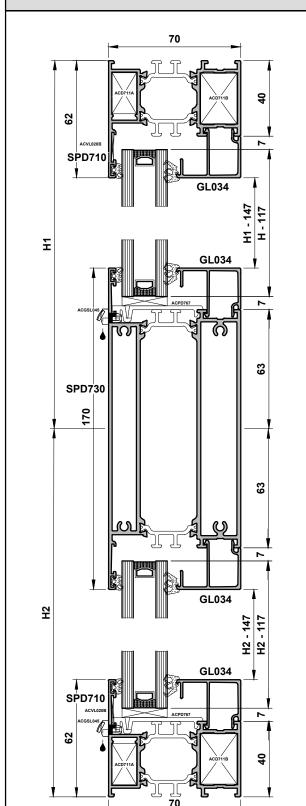
**Profiles** 





SAWING TABLES : OPEN IN

## **Cutting Information - Fixed Light with Transom**

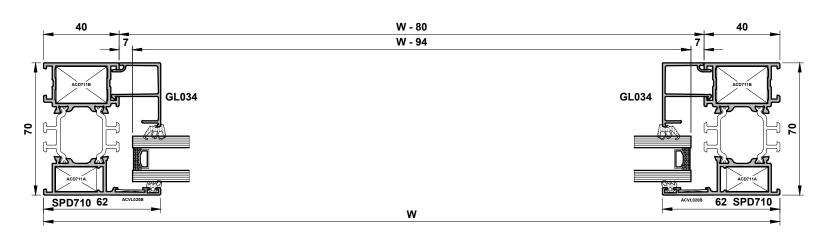


Profiles					
SPD710	田田	2		W	
SPD710	丑	2		Н	
SPD730	旦	1		W - 80	
BEAD	F	4		W - 80	
BEAD	Ţ	2		H1 - 147	
BEAD	F	2		H2 - 147	

ACET079 - 8 No. 10 x 63.5mm Pan Head Sc  ACGSL045 Drainage Cover Cap  ACPD711A	rew
ACPD711A SPD710 External Crimp Clea	
ACPD711B 4 SPD710 Internal Crimp Clea	at
	ıt
ACPD767 4 Bridge Packer	
ACVG31N 2H + 4W - 880 External E Gasket	
ACVG3XX DH + 4W - 880 Internal Wedge Gasket	
ACVL020B 🕒 4 Chevron	

Fixed	Ŧ
Fixed	H2
W	

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



**Do Not Scale From This Drawing** 

PAGE F04