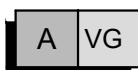


Main Index



Index..... A01 - A02

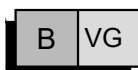


Profiles

Specification Pages..... A03 - A06

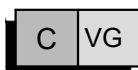
Technical Information..... A07 - A09

Scale Profile Drawings..... A10 - A20



Accessories

Photos & Drawings..... B03 - B19



Sections

Scale Elevations..... C03 - C18



Statics..... D01 - D02



Construction Drawings

Corner Joint Details..... E03 - E04

Drainage & Pressure Equalisation..... E05 - E07

Glazing Bead - Punch Tool..... E08

ACVG110 Rollers..... E09 - E10

Lock Prep & Installation..... E11 - E15

Interlocks..... E16 - E17

Fixed Sash..... E18

ACVG30 Installation..... E19

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ACUN348 Buffer..... E21



Sawing Tables

Sliding Doors..... F03 - F08

DATE _____

PAGE

DESCRIPTION

Specification

GENERAL DESCRIPTION

Visoglide Original is a patio door system which can be operated by sliding hardware.

Visoglide Plus provides the option of multi-point locking with standard lever handles or off-set 'D' handles.

Assembly of the outerframe and the sashes is with mechanical cleats for which the holes are prepped using punch tools ACVG160A & ACVL167. See section E for further details.

Sashes are internally beaded allowing glazing to be completed after installation.

PROFILE SPECIFICATION

The frames are constructed of aluminium alloy extrusion to BS EN 755-9 and BS EN 12020, extruded to 6063 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 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 corner joints can be made using mechanically fixed corner cleats by punching the corners using the relevant punch tooling shown in section E of this manual. All joints should be sealed using ACSIL04 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.

After machining, all exposed aluminium should be coated using ACSIL014 or painted to match frame.

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

Specification

DRAINAGE

As with all dry glazed systems, it is recommended that the profiles are adequately drained and ventilated. Refer to drainage details in section E of this manual, if in doubt, ask the Technical Department.

In order to get maximum performance and weather resistance it is recommended that drips are used over all vents.

OUTER FRAME & VENT 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.

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

LOCKING

The vertical members should be prepped for the locking mechanism prior to fabrication and fitted before assembly. Stainless steel fixings shall be used for securing the locking mechanism and keeps in position.

GLAZING

Glazing can be 20-22mm, 24-26mm or 28-30mm by selecting the relevant bead & gasket.

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

Specification

RECOMMENDED DESIGN LIMITATIONS

Sliding Sashes	
Maximum Sash Weight	200kg (100kg per roller)
Minimum Sash Height	800mm
Maximum Sash Height	2500mm*
Maximum Sash Width	Providing sashes are within above limitations, there is no maximum width*

*dependant on site survey and wind loading calculations.

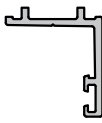
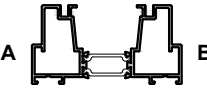
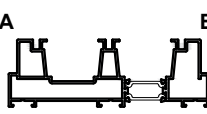
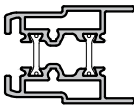
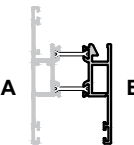
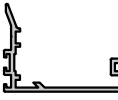
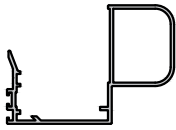
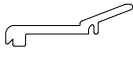
Please see pages D01-D02 for more guidance on vent sizes & limitations.

Visoglide Original U Values

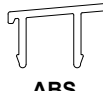
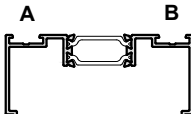
Please refer to the Smart Systems' Document L White Paper or contact the Technical Department.

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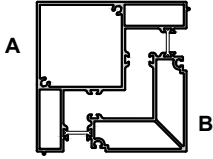
PROFILES : TECHNICAL INFORMATION

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VG12		A19	110	29	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VG15		A10	476	687	78.36 ----- 15.83	19.28 ----- 7.87	7	1	✓	✓	✓	✓	✓
VG115		A11	706	165	78.36 ----- 15.83	19.28 ----- 7.87	7	1	✓	✓	✓	✓	✓
VG21		A14	232	117	5.18 ----- 3.03	5.50 ----- 2.20	6.5	1	✓	✓	✓	✓	✓
VG26		A10	453	140	13.28 ----- 5.72	13.27 ----- 3.78	6.5	1	✓	✓	✓	✓	✓
VG30		A14	259	117	8.58 ----- 2.60	2.56 ----- 0.88	7	1	✓	✓	✓	✓	
VG31		A15	407	239	43.65 ----- 9.37	21.70 ----- 5.85	6.5	1	✓	✓	✓	✓	
VG51	 PVC	A15	-	-	- ----- -	- ----- -	7	1	✓				
VG52	 PVC	A18	-	-	- ----- -	- ----- -	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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VG55	 ABS	A12	216	-	- ----- -	- ----- -	7	1	✓				
VG56	 ABS	A12	74	-	- ----- -	- ----- -	7	1	✓				
VG57		A19	96	83	- ----- -	- ----- -	7	1	✓	✓	✓	✓	
VG558		A16	464	85	58.53 ----- 11.82	6.91 ----- 5.12	7	1	✓	✓	✓	✓	✓
VG577		A16	329	25	35.06 ----- 6.55	0.50 ----- 0.71	6.5	1	✓	✓	✓	✓	✓
VG960		A17	111	33	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VG964		A17	70	23	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VG965		A17	102	28	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
								A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

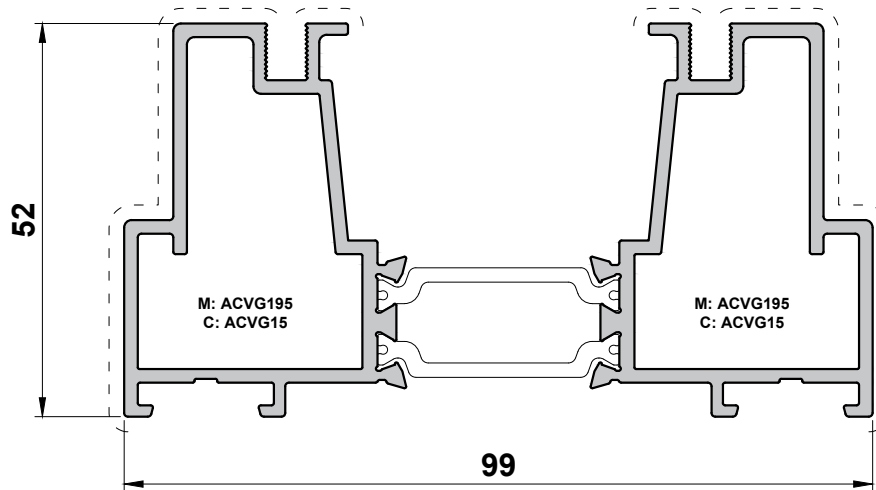
PROFILES : TECHNICAL INFORMATION

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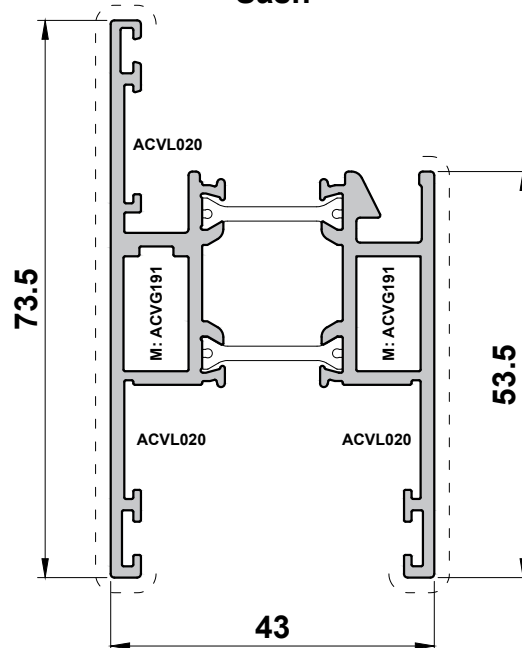
Primary Visible Side

Secondary Visible Side

VG15 Two Track Outer Frame



VG26 Sash

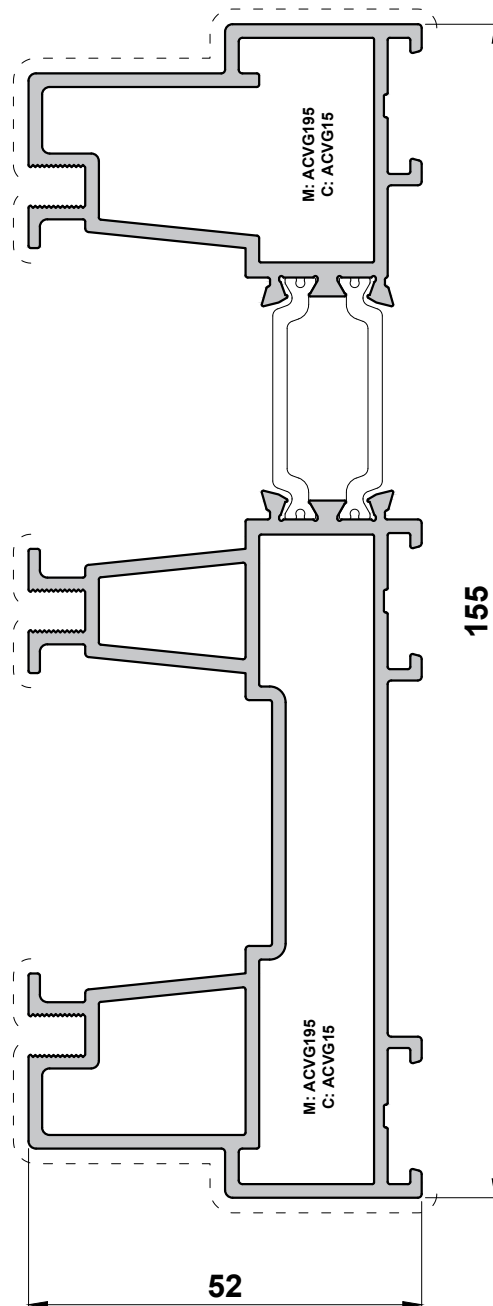


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Primary Visible Side

Secondary Visible Side

VG115
Three Track Outer Frame

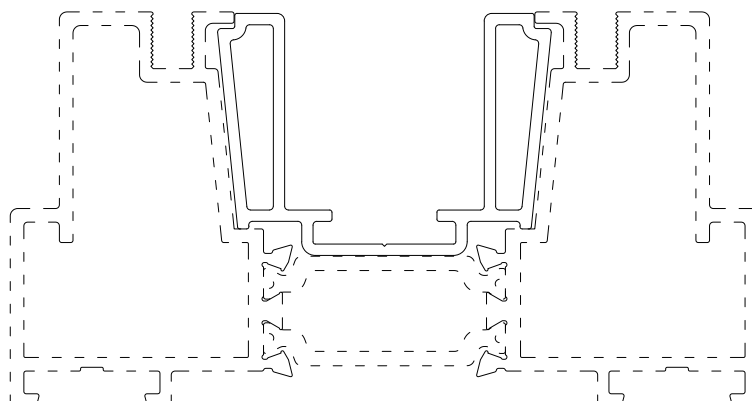


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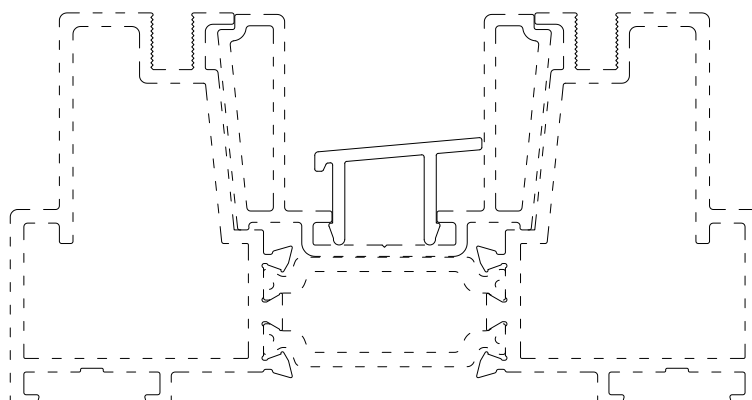
Primary Visible Side

Secondary Visible Side

VG55
ABS Insert



VG56
VG55 Insert ABS

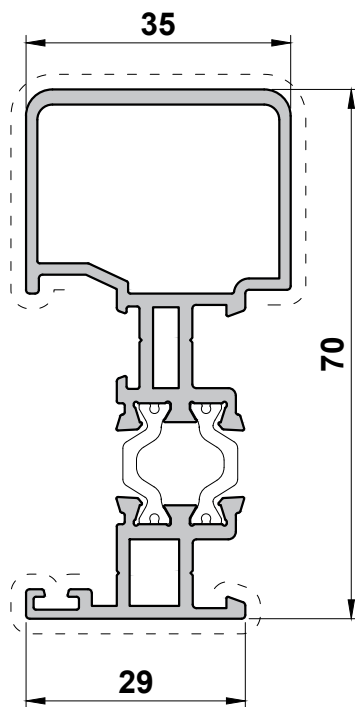


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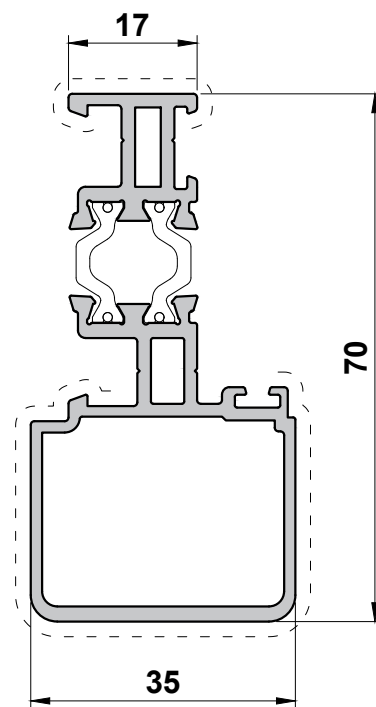
Primary Visible Side

Secondary Visible Side

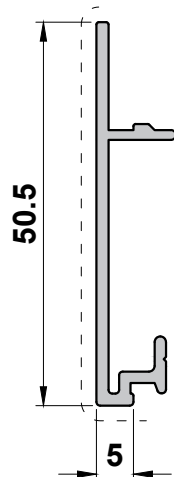
VG36
Internal Slim Interlock



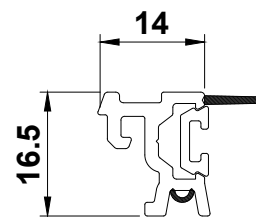
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External Slim Interlock



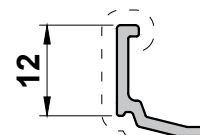
VG35
Slim Interlock
Cover Cap



VG5052
Co-Ex Interlock



VG566
Narrow Bead

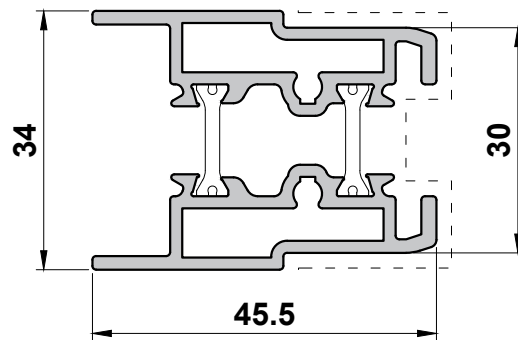


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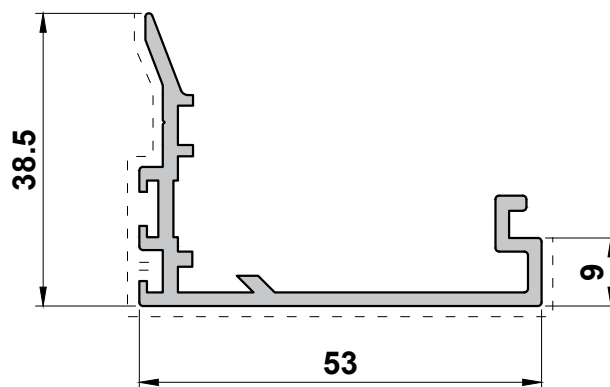
Primary Visible Side

Secondary Visible Side

VG21 Meeting Stile Adaptor



VG30 Interlock Cover

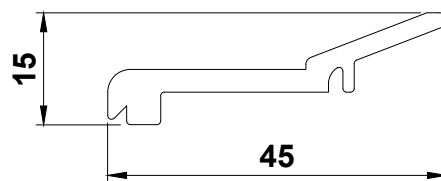


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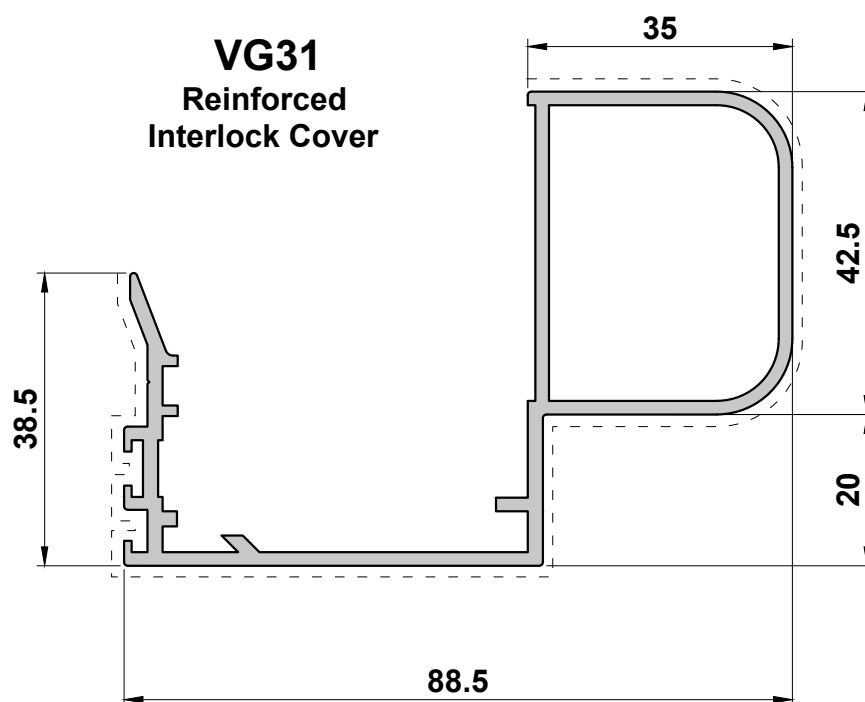
Primary Visible Side

Secondary Visible Side

VG51
PVC Interlock



VG31
Reinforced
Interlock Cover

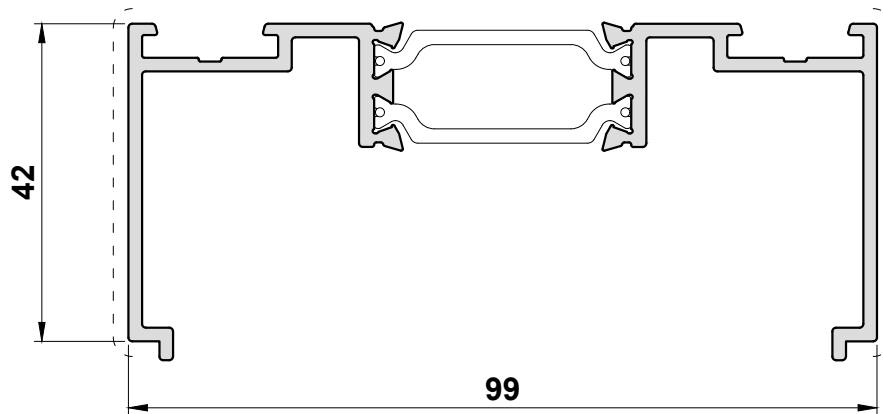


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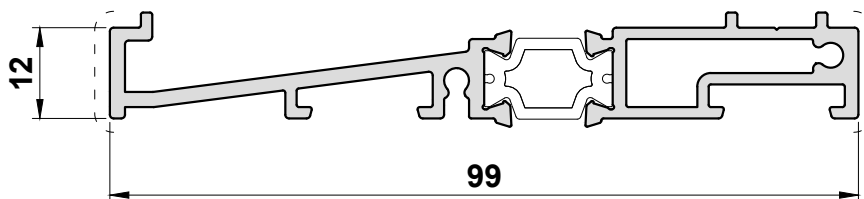
Primary Visible Side

Secondary Visible Side

VG558
VG15 Track Head Extension



VG577
Drainage Tray



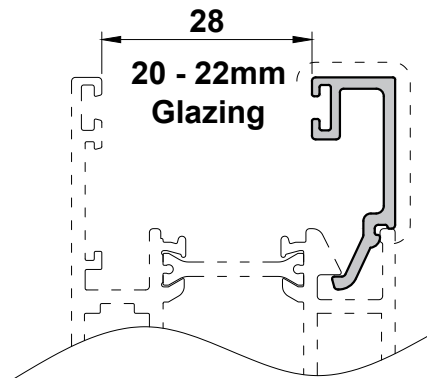
End Cap: ACVG577

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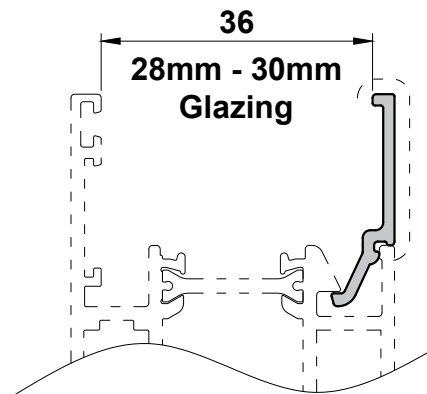
Primary Visible Side

Secondary Visible Side

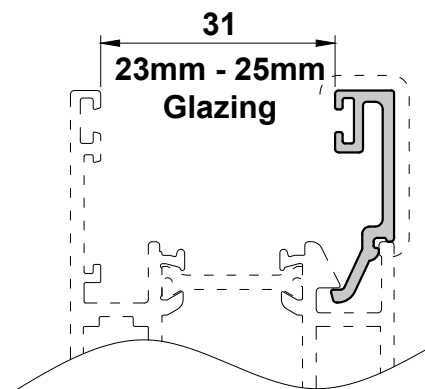
VG960
Glazing Bead



VG964
Glazing Bead



VG965
Glazing Bead

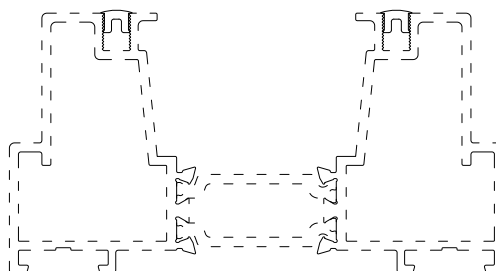
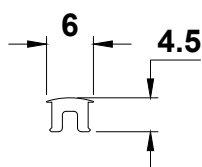


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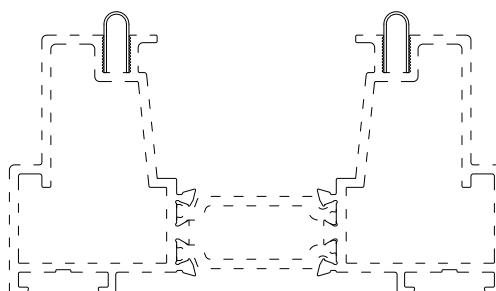
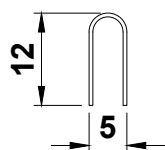
Primary Visible Side

Secondary Visible Side

VG52 PVC Infill



VG53 Stainless Steel Track

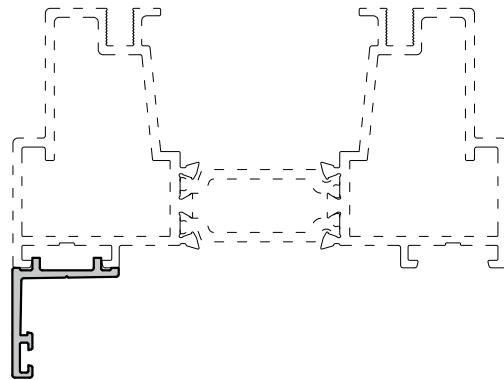
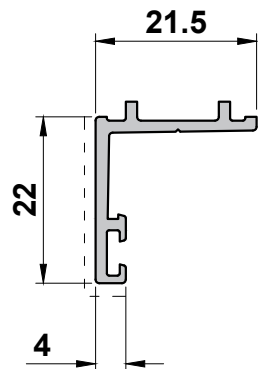


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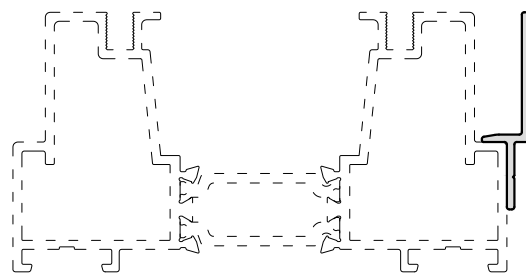
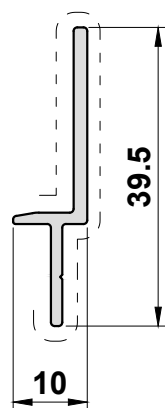
Primary Visible Side

Secondary Visible Side

VG12 Frame Surround



VG57 Track Upstand

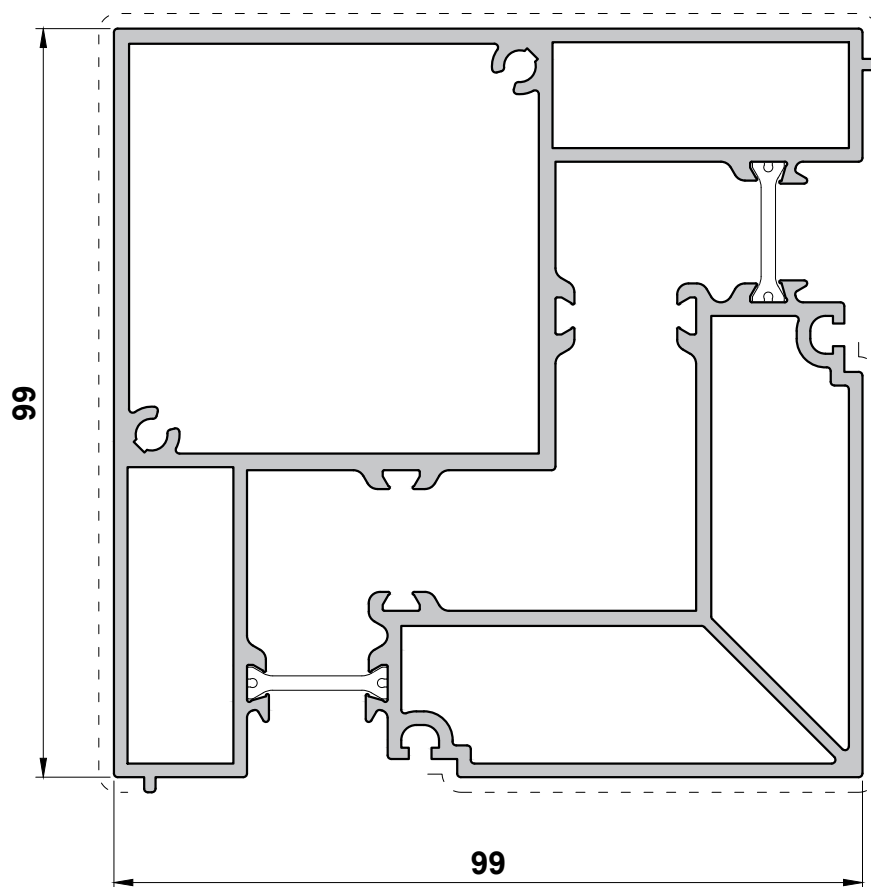


Scale 1:1

Primary Visible Side

Secondary Visible Side

VL155 90° Corner Post

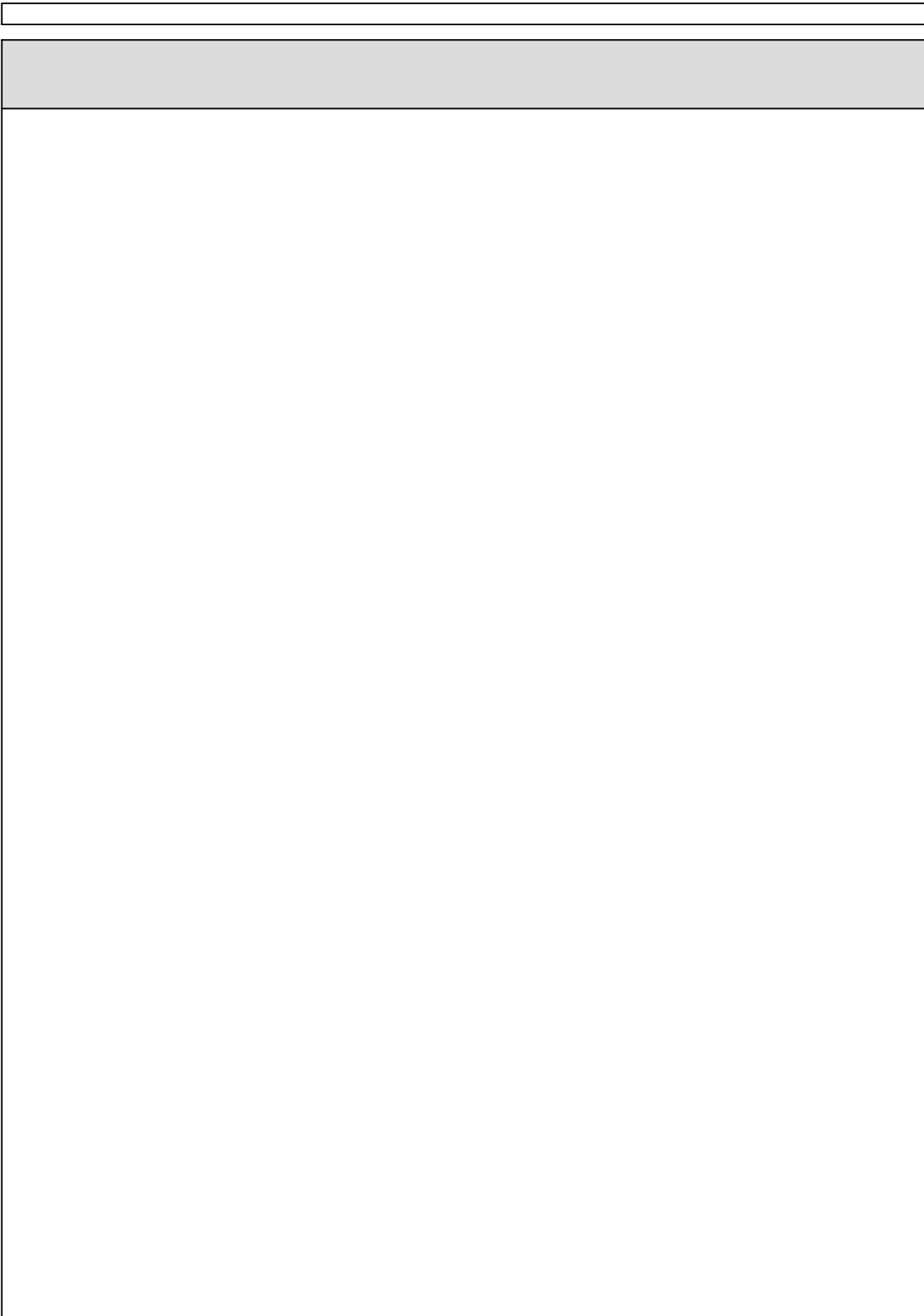


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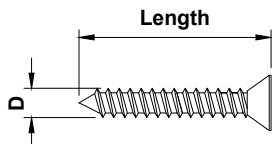
Section B

Accessories

Photos & Drawings



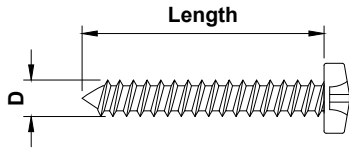
Countersunk Screws



Gauge	'D' (mm)
No.6	3.5
No.7	3.8
No.8	4
No.10	5
No.12	6

Part Number	Gauge	X	Length	Description	Box Qty.
ACUN3530	No.6	X	5/8"	Countersunk Pozi Self Tapper S/S	100
MUA025SSZ	No.6	X	1"	Countersunk Pozi Self Tapper S/S	100
ACET067	No.7	X	1/2"	Countersunk Pozi Self Tapper S/S	100
ACET060	No.7	X	1"	Countersunk Pozi Self Tapper S/S	100
ACET066	No.7	X	1 1/2"	Countersunk Pozi Self Tapper S/S	100
MUA067SSZ	No.7	X	2"	Countersunk Pozi Self Tapper S/S	100
ACUN3544	No.7	X	3/4"	Countersunk Pozi Self Tapper S/S	100
ACET064	No.8	X	5/8"	Countersunk Pozi Self Tapper S/S	100
ACUN3512	No.8	X	1 1/4"	Countersunk Pozi Self Tapper S/S	100
ACUN3513	No.8	X	1 3/4"	Countersunk Pozi Self Tapper S/S	100
ACET072	No.8	X	2 1/2"	Countersunk Pozi Self Tapper S/S	100
ACET490	4.3mm	X	16mm	Countersunk PH2 Polyamide Screw	1000
ACET290	4.3mm	X	20mm	Countersunk PH2 Polyamide Screw	100
ACET390	4.3mm	X	25mm	Countersunk PH2 Polyamide Screw	200
ACET190	4.3mm	X	45mm	Countersunk PH2 Polyamide Screw	1000
ACVS062	4.3mm	X	65mm	Countersunk PH2 Polyamide Screw	1000
ACET048	No.10	X	3/8"	Countersunk Pozi Self Tapper S/S	100
ACIM062	No.10	X	1 1/4"	Countersunk Pozi Self Tapper S/S	100
ACET062	No.10	X	2"	Countersunk Pozi Self Tapper S/S	100
ACET076	No.10	X	2 1/2"	Countersunk Pozi Self Tapper S/S	100

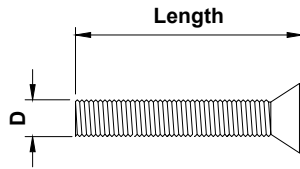
Pan Head Screws



Gauge	'D' (mm)
No.6	3.5
No.7	3.8
No.8	4
No.10	5
No.12	6

Part Number	Gauge	X	Length	Description	Box Qty.
ACET068	No.8	X	3/8"	Pozi Flange AB	100
ACET063	No.8	X	1/2"	Pan Head Self Tapper	100
ACET070	No.8	X	1/2"	Pozi Flange Self Tapper S/S	100
ACUN3535	No.8	X	5/8"	Pan Head Pozi S/S	100
ACET099	No.8	X	3/4"	Pozi Flange Self Tapper S/S	100
ACDR050	4.8mm	X	32mm	Pan Head Pozi S/S	200
PUA028	No.10	X	1"	Pan Head Pozi S/S	100
ACDR052	No.10	X	2"	Pan Head Self Tapper S/S	200
ACET079	No.10	X	2 1/2"	Pan Head Pozi S/S	100
ACW20160	No.12	X	1"	Flange Head Self Tapper S/S	100
ACMC109	6.3mm	X	38mm	DIN7981 - Pan Head Self Tapper	200

Machine Screws



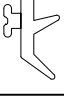
Thread	'D' (mm) Nominal
M4	4
M5	5
M6	6
M8	8
M10	10

Part Number	Thread	X	Length	Description	Box Qty.
ACET122	M4	X	10	CSK Pozi Machine Screw	100
ACET123	M4	X	20	CSK Pozi Machine Screw	100
ACDV264	M4	X	35	CSK Pozi Machine Screw	100
ACSG071	M4	X	40	CSK Pozi Machine Screw	100
ACDV266	M4	X	45	CSK Pozi Machine Screw	100
ACDV262	M4	X	50	CSK Pozi Machine Screw	100
ACDV265	M4	X	60	CSK Pozi Machine Screw	100
ACDR051	M5	X	10	CSK Pozi Machine Screw	100
ACET069	M5	X	12	CSK Pozi Machine Screw	100
HEA132	M5	X	16	CSK Pozi Machine Screw	100
WCA134	M5	X	20	CSK Pozi Machine Screw	100
WCA143	M5	X	25	CSK Pozi Machine Screw	50
ACVS061	M5	X	40	CSK Pozi Machine Screw	100
ACET133	M5	X	50	CSK Pozi Machine Screw	100
ACET220	M5	X	60	CSK Pozi Machine Screw	100
ACET238	M5	X	70	CSK Pozi Machine Screw	100
ACMX861	M5	X	80	DIN965 - CSK Machine Screw	10
ACMX862	M5	X	90	DIN965 - CSK Machine Screw	10
ACUN3503	M6	X	10	CSK Socket Machine Screw	24
ACUN3501	M6	X	13	CSK Flange Socket Machine Screw	48
ACMX852	M6	X	16	DIN965 - CSK Machine Screw	10
HEA390	M6	X	16	CSK Socket Machine Screw	32
ACET235	M6	X	60	CSK Pozi Machine Screw	100
ACET237	M6	X	70	CSK Pozi Machine Screw	100

Glazing Gaskets

Retaining Gasket

Commonly known as an E Gasket.
Retaining gaskets create a seal between the Glass and the Aluminium Profile.

High Line	2mm		ACVG231
			200m
			BL
	3mm		ACVG31
			200m
			BL
	4mm		ACVG131
			100m
			BL
Low Line	2mm		ACET844
			200m
			BL
	3mm		ACET842
			200m
			BL
	4mm		ACET841
			200m
			BL
	4mm		ACET835
			200m
			BL

Thickness	Drawing 1:1	Part number
		Coil length
		Available Colours

Wedge Gasket

Wedge Gaskets help to hold the bead in place by providing tension between the bead and the glazing unit.

High Line	3mm		ACVG32
			100m
			BL
	3mm		ACVG32N
			100m
			BL
	4mm		ACVG33
			100m
			BL
	4mm		ACVG33N
			100m
			BL
	5mm		ACVG34
			100m
			BL
	5mm		ACVG34N
			100m
			BL
	6mm		ACVG340
			200m
			BL
	6mm		ACVG340N
			100m
			BL
Low Line	4mm - 3mm		ACW20038
			50m
			BL
	5mm - 4mm		ACET848
			200m
			BL

Locks

Lock	Desc.	X	Lock Usage		
			Prim.	Sec.	Interm.
ACSZ007	Multipoint Lock	2170	✓		
ACSZ008	Multipoint Lock	1970	✓		
ACSZ009	Multipoint Lock	2370	✓		
ACVG305	Multipoint Lock	1800	✓		

Keep	Description	Compatible Locks
ACSZ100	Centre Keeps (1 per lock req.)	ACSZ007 ACSZ008 ACSZ009
ACSZ101	Keeps (4 per lock req.)	ACSZ007 ACSZ008 ACSZ009
ACSZ103	Full Height Keep	ACSZ007
ACSZ105	Full Height Keep + 600mm	ACSZ007
ACSZ107	Full Height Keep	ACSZ008
ACSZ109	Full Height Keep + 600mm	ACSZ008
ACSZ111	Full Height Keep	ACSZ009
ACSZ113	Full Height Keep + 600mm	ACSZ009
ACVG306	Keep (4 per lock req.)	ACVG305

ACSZ007
ACSZ008
ACSZ009

ACVG305

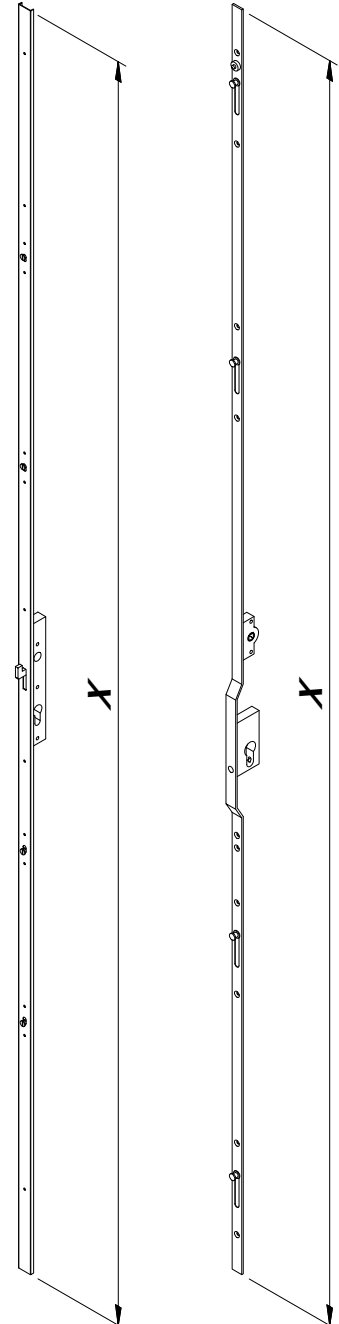


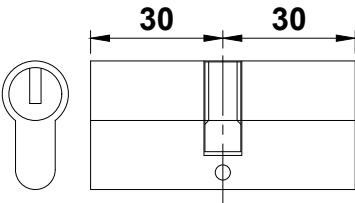
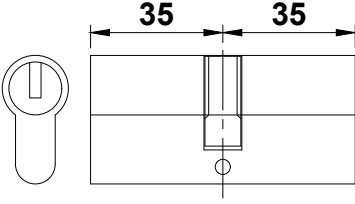
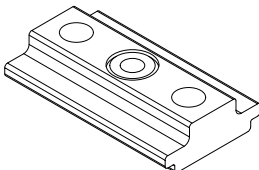
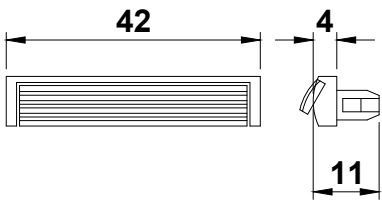
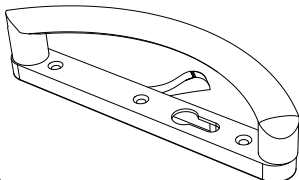
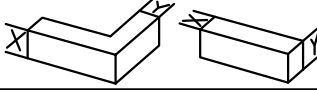
Image	Part Code	Pack	Unit	Application	Colour	
	ACCY3030NKS1 30/30 1 Star Cylinder Nikel Finish For Keyed Alike ACCY3030NKS1SL	1	ea		MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACCY3535NKS1 35/35 1 Star Cylinder Nikel Finish For Keyed Alike ACCY3030NKS1SL	1	ea		MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACDV523 M4 Fixing Plate	50	pack		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	ACGSL045 Drainage Cap	100	pack		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
 R	ACSZ895L/R Internal Handle with Cylinder Cut-out Note: SA version is RAL9006	1	ea	ACSZ841 ACSZ898L/R	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		W = White Z = Black			

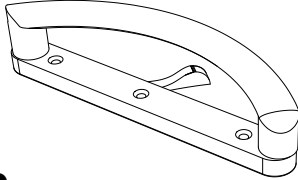
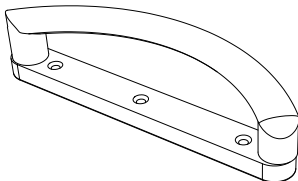
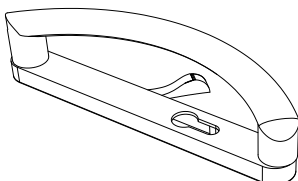
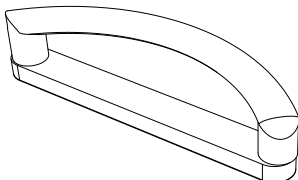
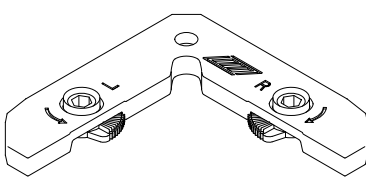
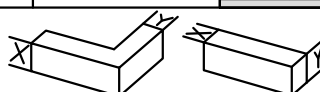
Image	Part Code	Pack	Unit	Application	Colour	
 R	ACSZ896L/R Internal Handle without Cylinder Cut-out Note: SA version is RAL9006	1	ea	ACSZ841	MF	
					SA	✓
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
 R	ACSZ897L/R Dummy Internal Handle Note: SA version is RAL9006	1	ea	ACSZ899L/R	MF	
					SA	✓
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
 R	ACSZ898L/R External Handle with Cylinder Cut-out Note: SA version is RAL9006	1	ea	ACSZ895L/R	MF	
					SA	✓
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
 R	ACSZ899L/R Dummy External Handle Note: SA version is RAL9006	1	ea	ACSZ897L/R	MF	
					SA	✓
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACUN020 Rebate Support	10	pack		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
	ACUN348 Door Buffer	1	ea		MF
					SA ✓
					KL ✓
					HP ✓
					SSC
					SMC
					W ✓
					Z ✓
					PC
	ACVG110 Double Roller Max Weight = 100Kg / Roller	1	ea		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVG134 Set Screws for Handles 4 screws per pack	1	pack		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVG15 Crimping Cleat	24	pack	VG15 VG115	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVG18 Meeting Stile Plug	1	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				

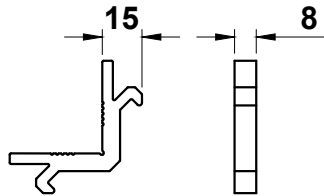
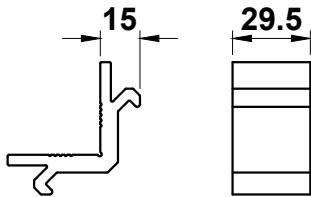
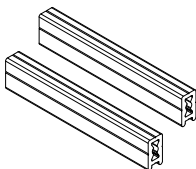
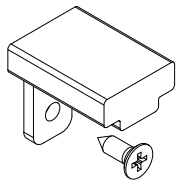
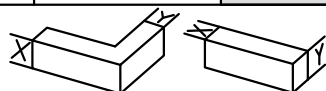
Image	Part Code	Pack	Unit	Application	Colour
	ACVG191 Mechanical Cleat	24	pack	VG26	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVG195 Mechanical Cleat	24	pack	VG15 VG115	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVG20 Interlock Cover Cap	1	ea	VG30 VG31	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVG26 Slim Interlock Fitting	8	pack		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVG29 Anti-Lift Block	1	ea		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				

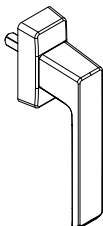
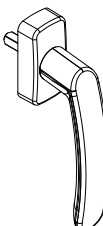
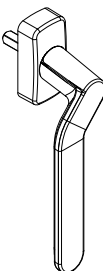
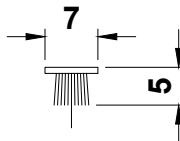
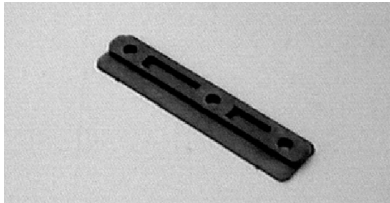
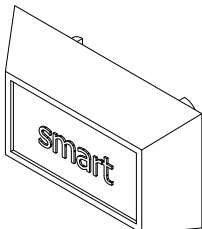
Image	Part Code	Pack	Unit	Application	Colour	
	ACVG310 Delta Handle	1	ea	VG26 ACVG305 ACVG313 ACVG316	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACVG312 Sirius Handle	1	ea	VG26 ACVG305 ACVG313 ACVG317	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACVG313 Handle Fixing Kit	1	ea	VG26 ACVG305 ACVG310 ACVG312	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
 L/H Shown	ACVG315L/R Sirius Handle Cranked	1	ea	VG26 ACVG305 ACVG313 ACVG317	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACVG316 Delta Escutcheon	1	ea	VG26 ACVG305 ACVG310 ACCY3030	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	
	ACVG317 Sirius Escutcheon	1	ea	VG26 ACVG305 ACVG312 ACCY3030	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
						ACVG42 Woolpile
SA						
KL						
HP						
SSC						
SMC						
W						
Z						
PC						
	ACVG43 Glazing Support	1	ea	VG26		
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
						ACVG44 Vent Support
SA						
KL						
HP						
SSC						
SMC						
W						
Z						
PC						
	ACVG45N Weep Hole Cover	100 2500	pack	VG15 VG115		
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
					 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome
 Screw (Grub)						

ACCESSORIES : PHOTOS & DRAWINGS

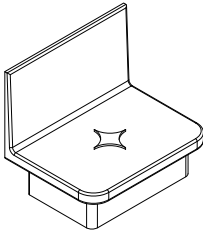
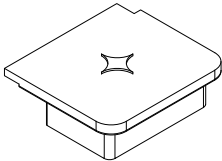
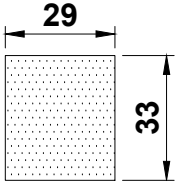
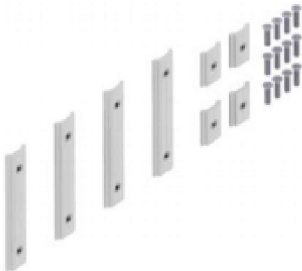
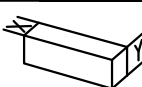
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	ACVG535 35mm Interlock Endcap	1	pair	VG34 VG36	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACVG536 35mm Interlock Endcap	1	pair	VG34 VG36	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACVG562 Interlock Foam	1.25	m	VG30 VG31	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACVG580 Keep Fixing Plate	1	ea	VG21	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACVG631 End Cap	1	ea	VG31	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	 

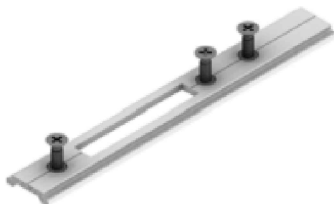
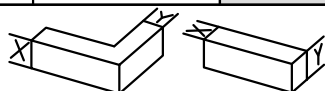
Image	Part Code	Pack	Unit	Application	Colour
	ACVG68 Fixed Grip External	1	pc	VG26	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVG81 Fixing Plate for Lock	1	ea		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVL020 Rebate Support	100	pack		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVL020B Rebate Support	100	pack		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 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			

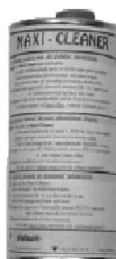
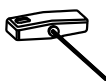
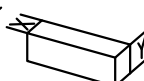
Image	Part Code	Pack	Unit	Application	Colour	
	ACMX09700 Alu. Polish	1	each		MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMX09761 Maxi Gloss	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMX09762 Alu. Bright	1	each		MF	
					SA	
					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	 	

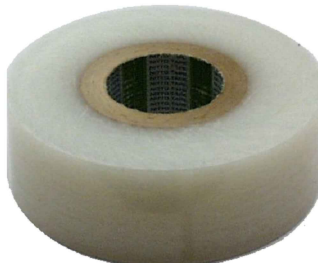
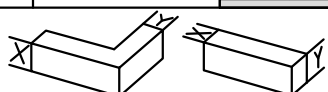
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					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMX09770 Roll & Wrap 100mm	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMX09775 Grip Handwrap	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					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	

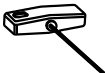
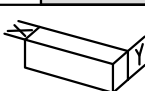
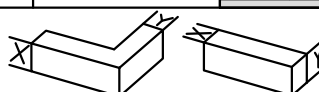
Image	Part Code	Pack	Unit	Application	Colour
	ACMX09803 Protective Tape 100mm	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMX09830 Rubber Sealant	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACSIL04 Sealing Glue Order with suffix of KL colour (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)	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	 	

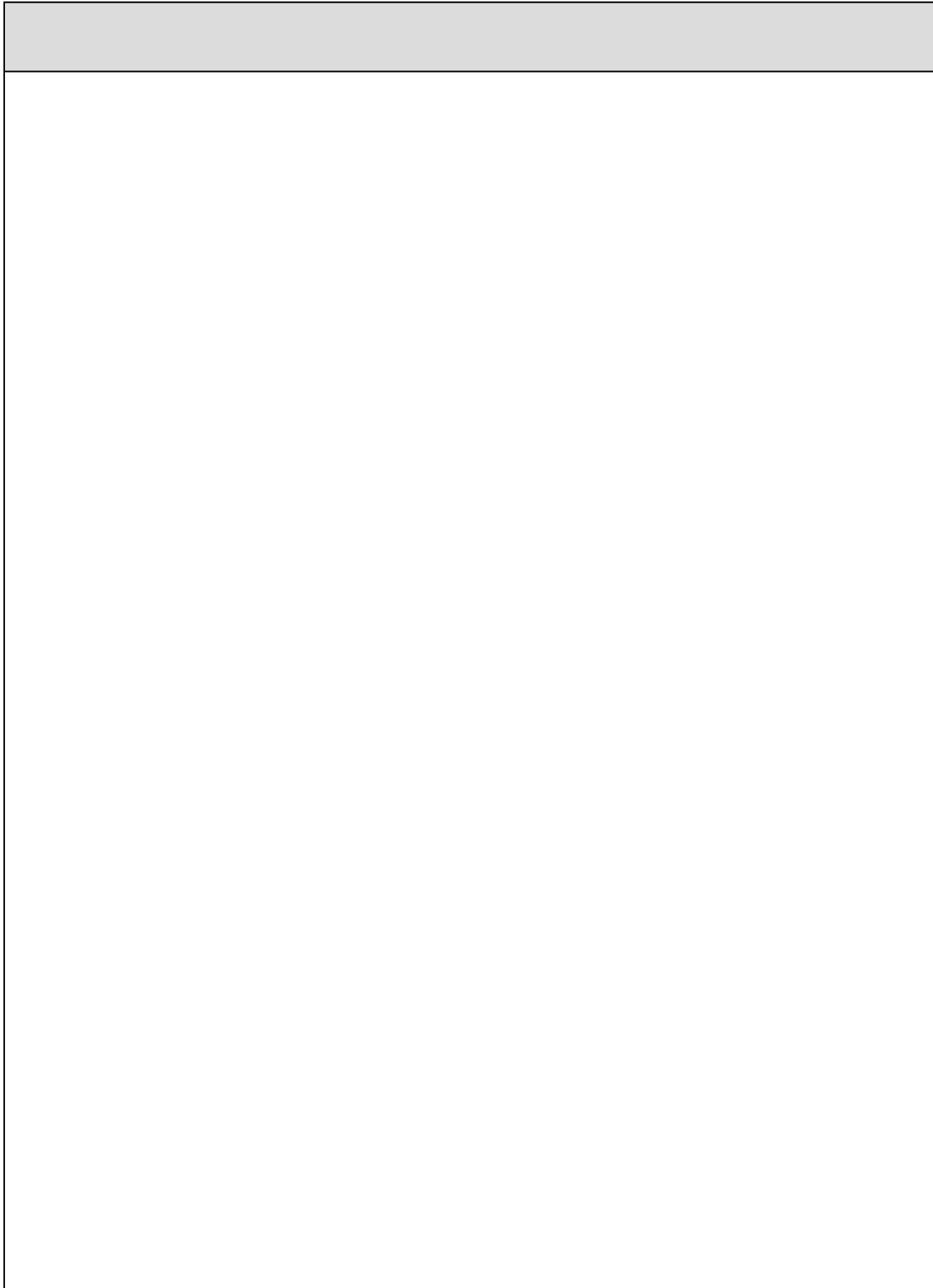
Image	Part Code	Pack	Unit	Application	Colour	
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					SA	☐
					KL	☐
					HP	☐
					SSC	☐
					SMC	☐
					W	☐
					Z	☐
					PC	☐
	ACUN3900 Gasket Roller	1	each		MF	☐
					SA	☐
					KL	☐
					HP	☐
					SSC	☐
					SMC	☐
					W	☐
					Z	☐
					PC	☐
					MF	☐
					SA	☐
					KL	☐
					HP	☐
					SSC	☐
					SMC	☐
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					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				MF	☐
					SA	☐
					KL	☐
					HP	☐
					SSC	☐
					SMC	☐
					W	☐
					Z	☐
					PC	☐
						

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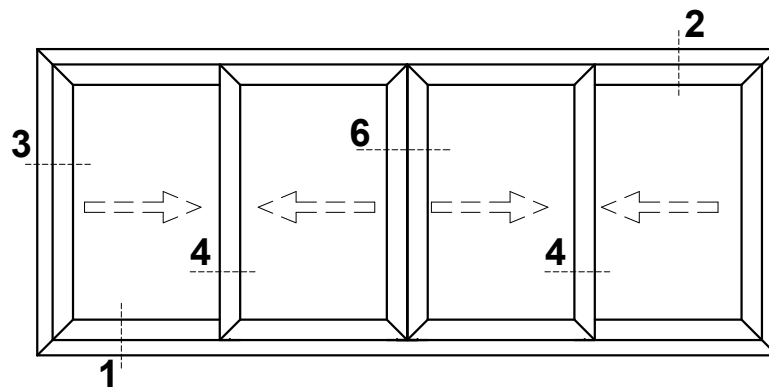
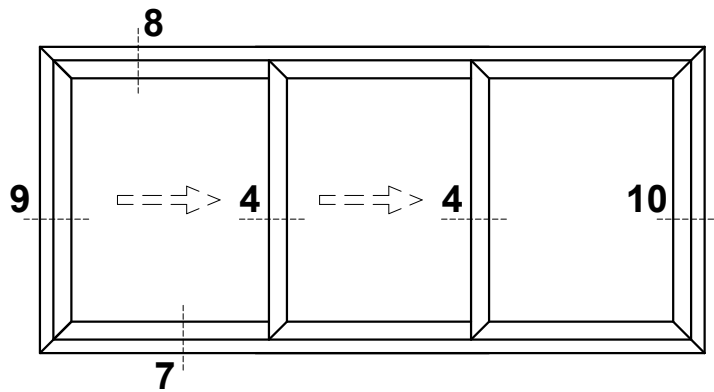
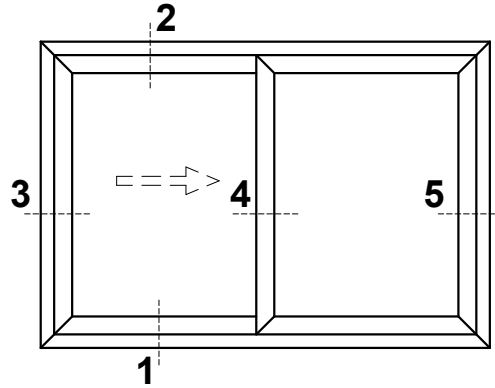
Section C

Sections

Scale Elevations

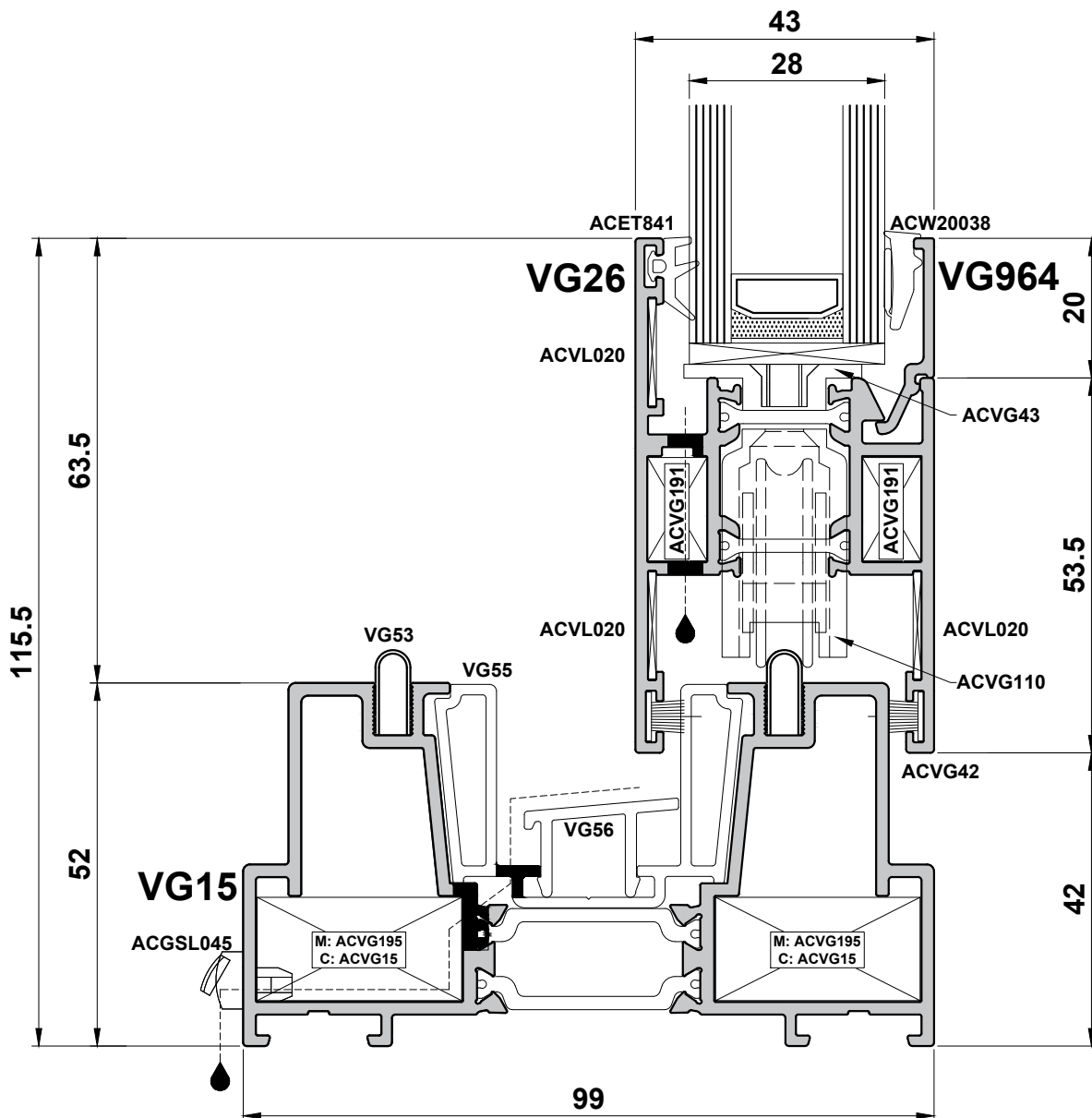
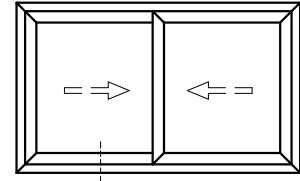


Scale Elevations



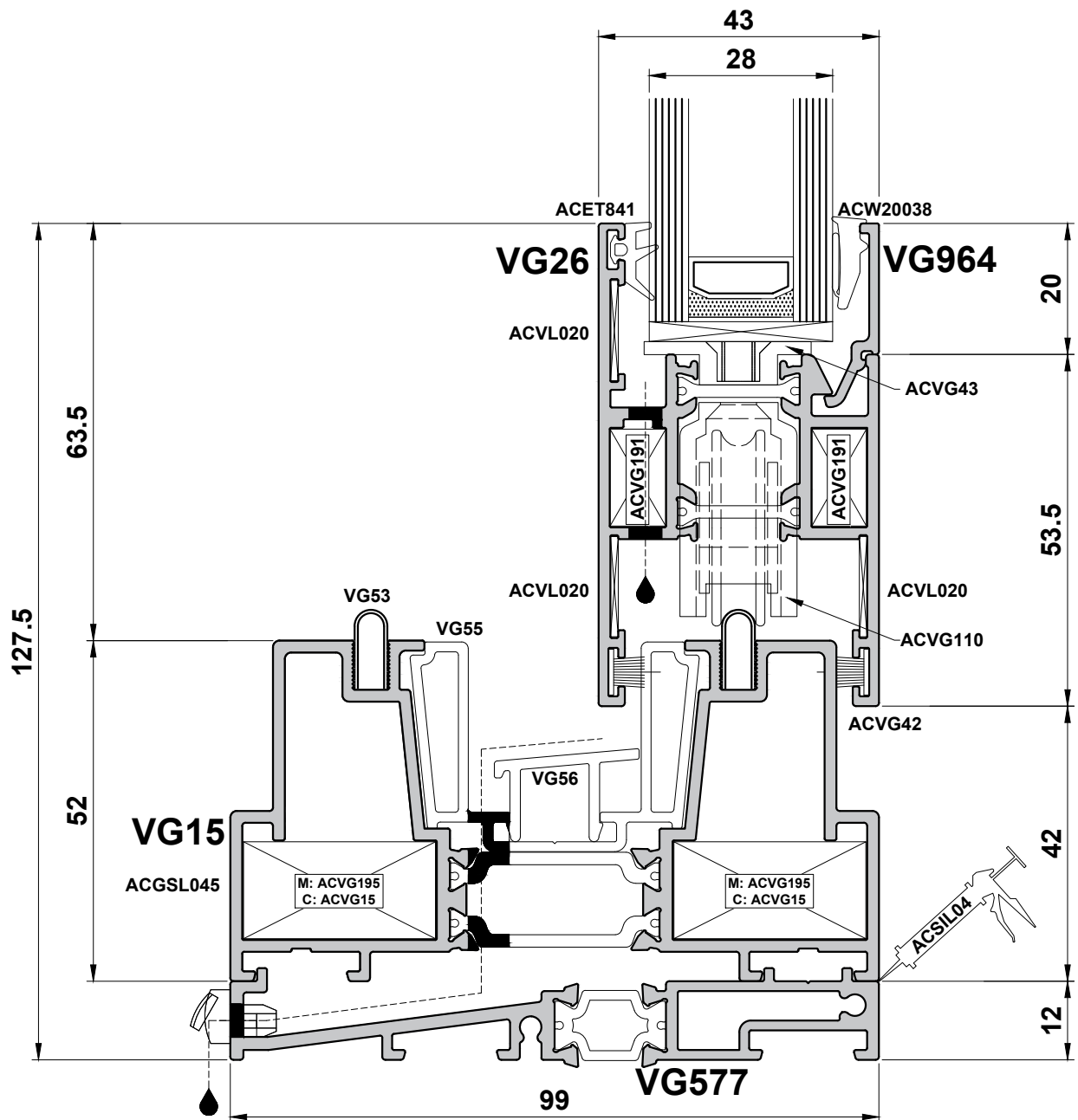
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Detail 1A



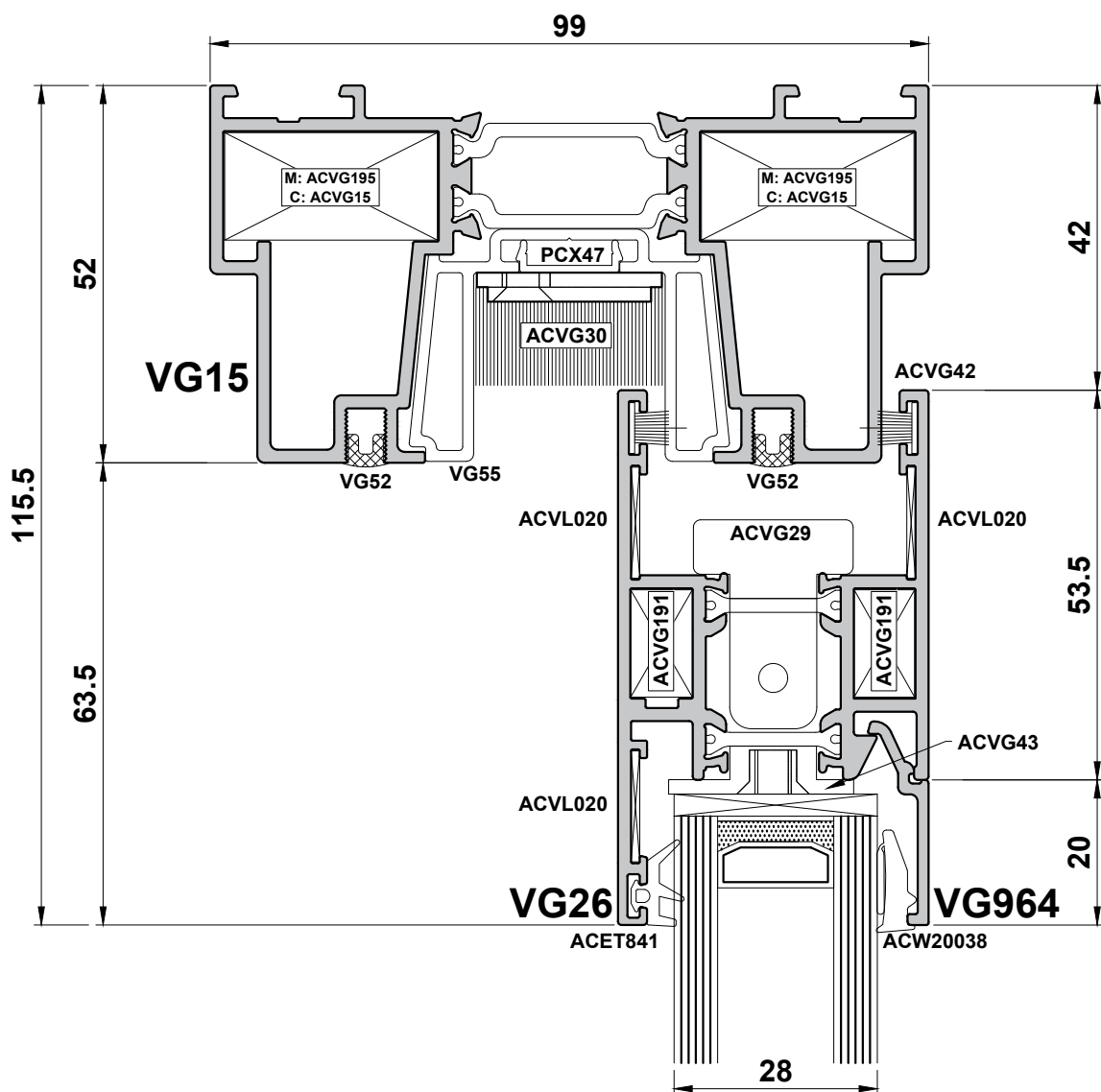
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Detail 1B



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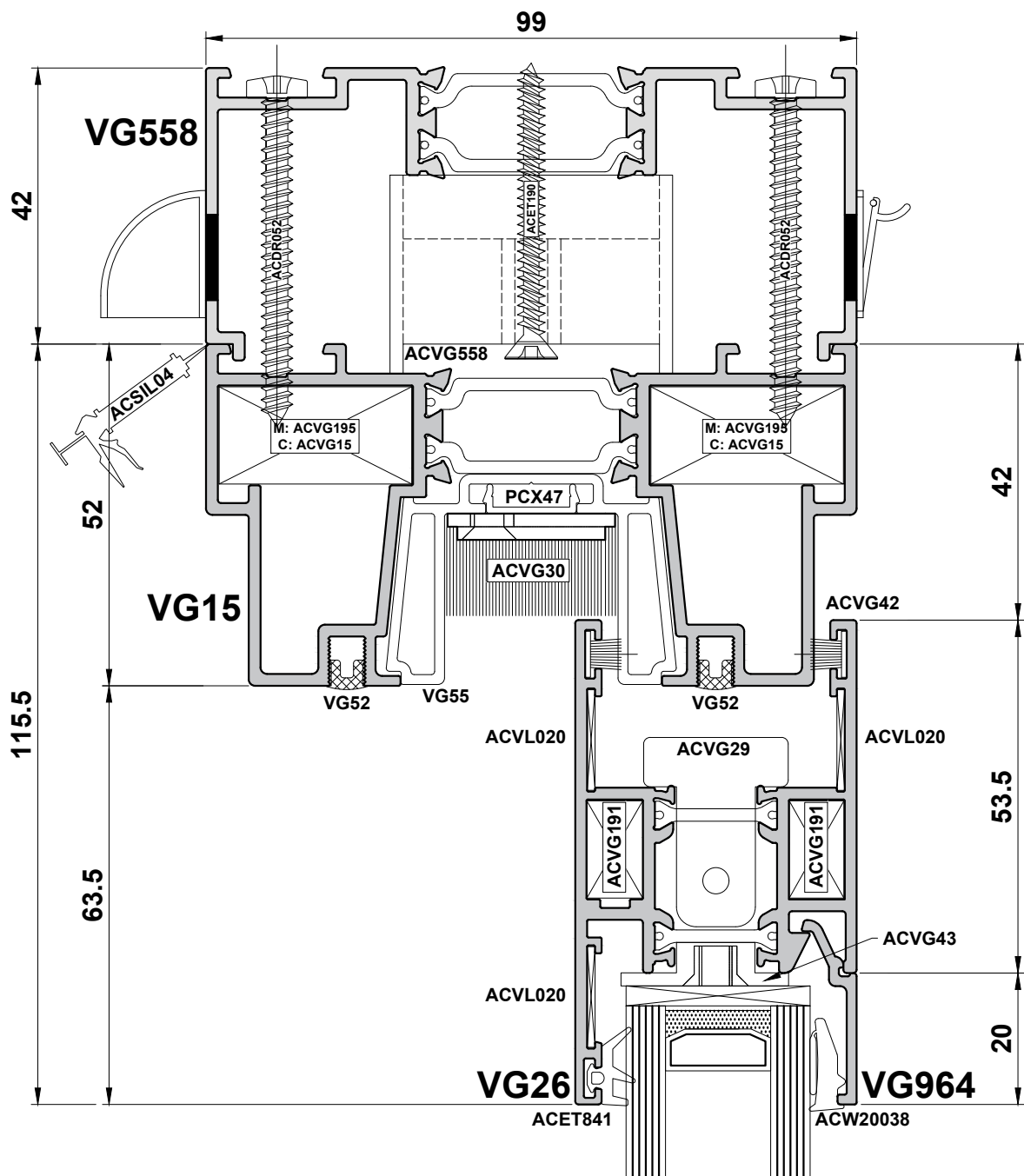
Detail 2A



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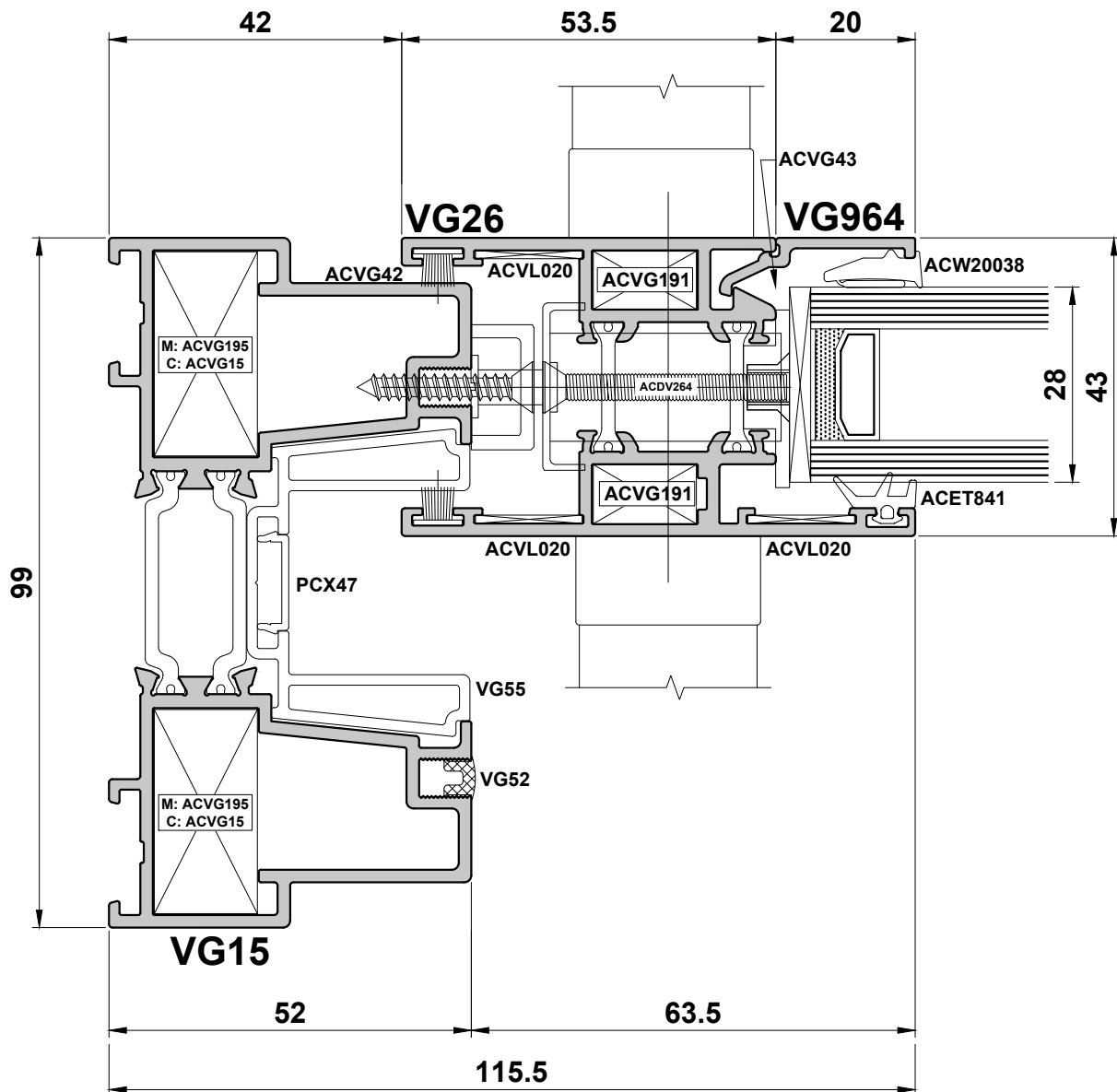
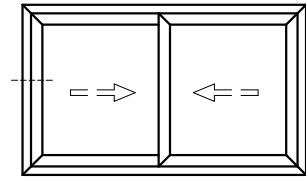
SECTIONS

Detail 2B



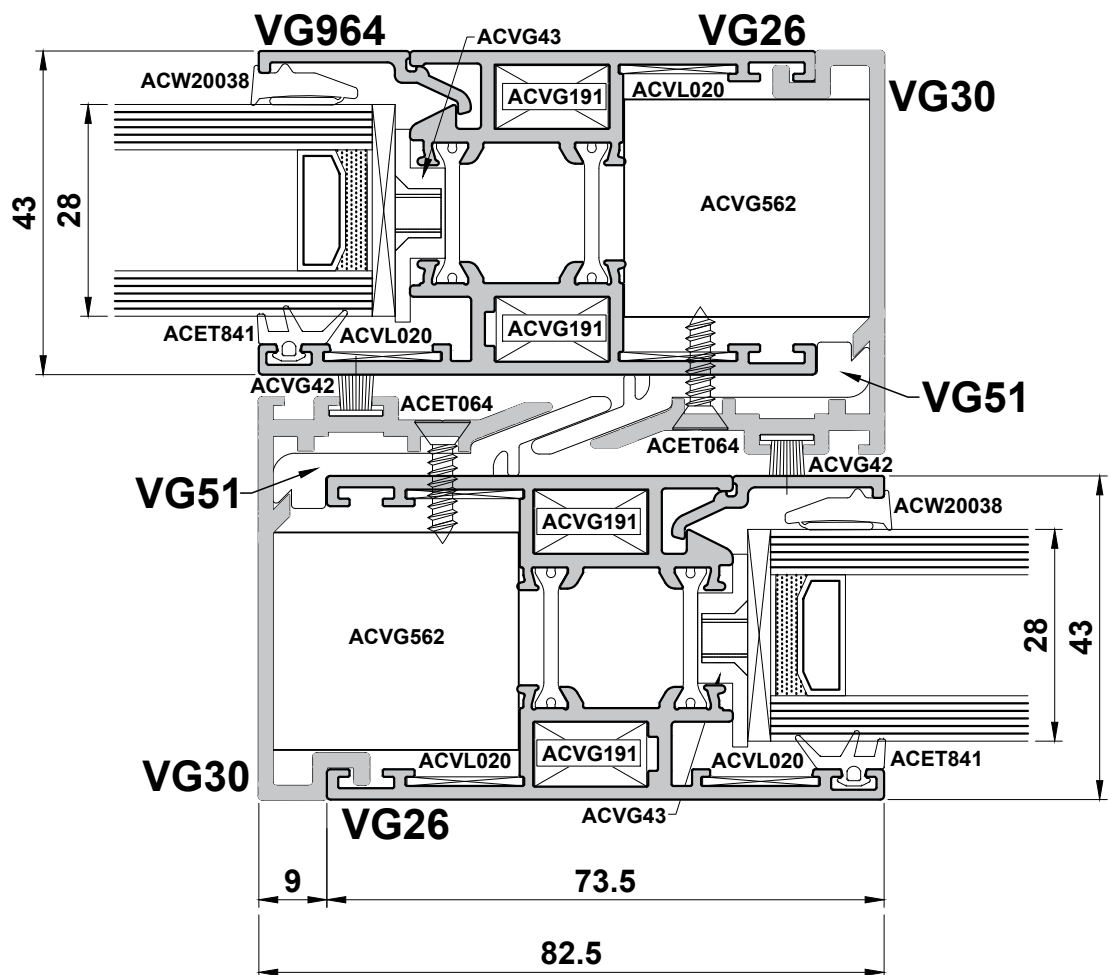
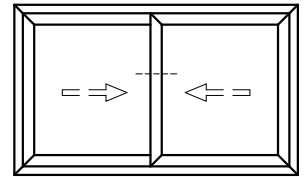
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Detail 3



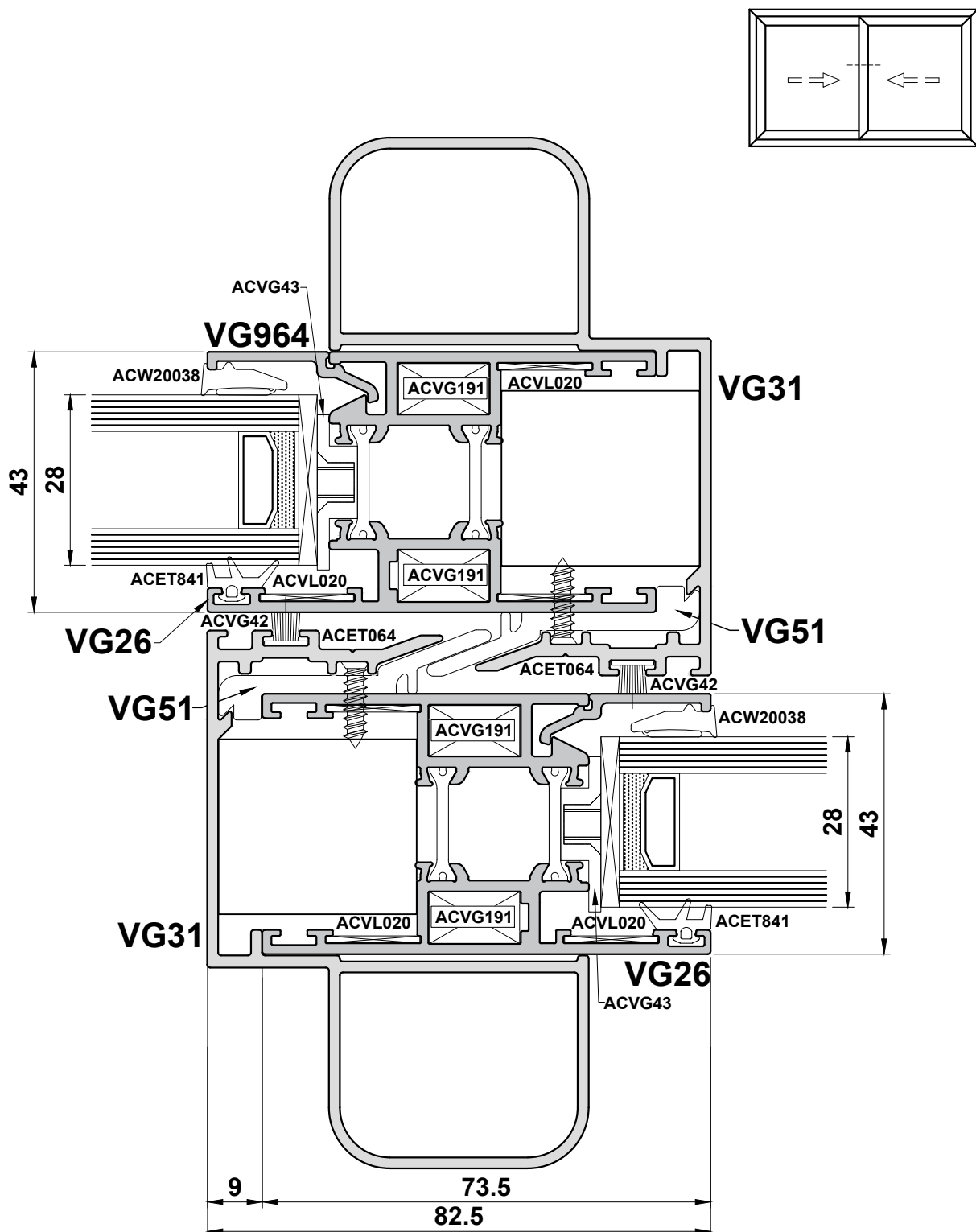
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Detail 4A



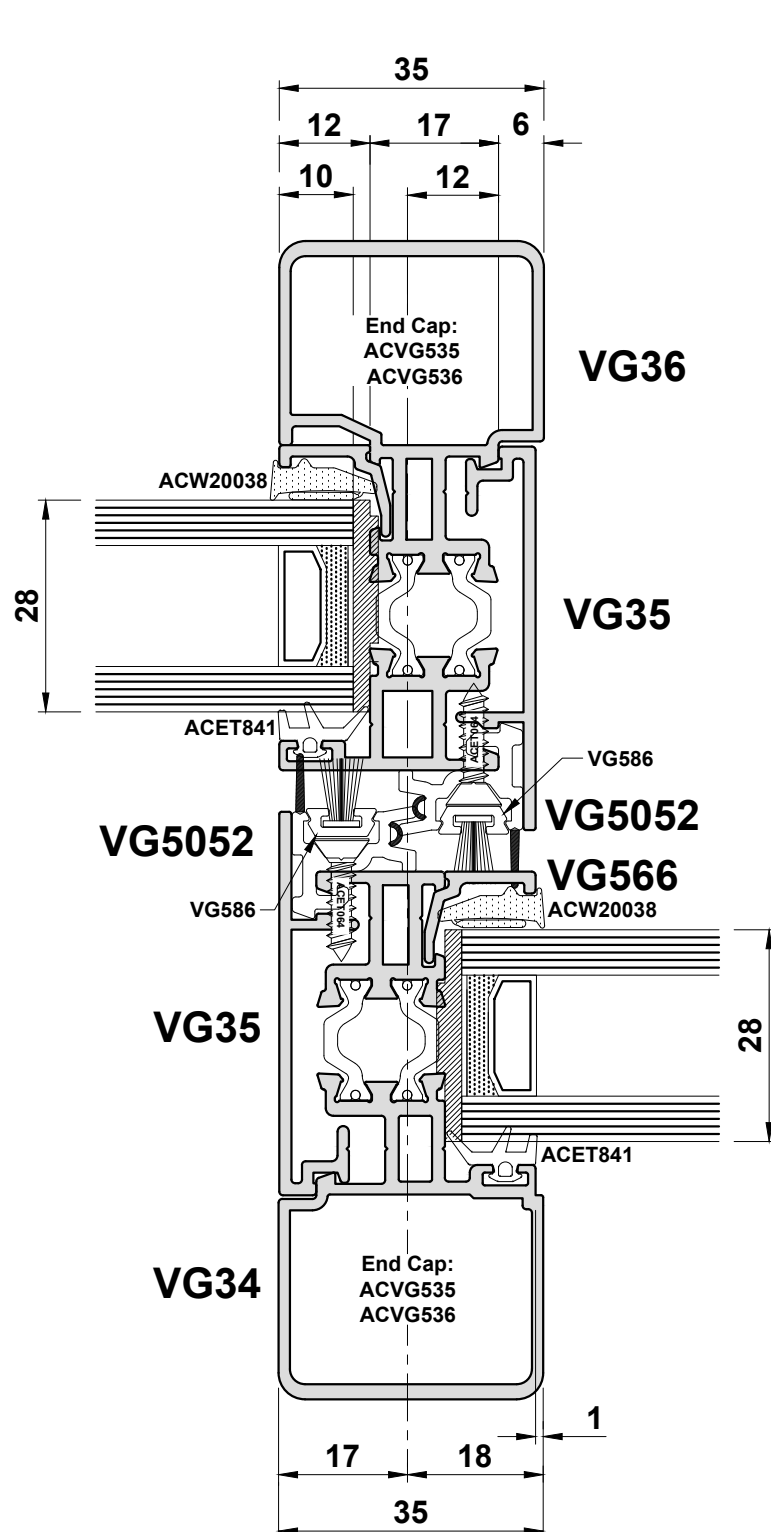
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Detail 4B



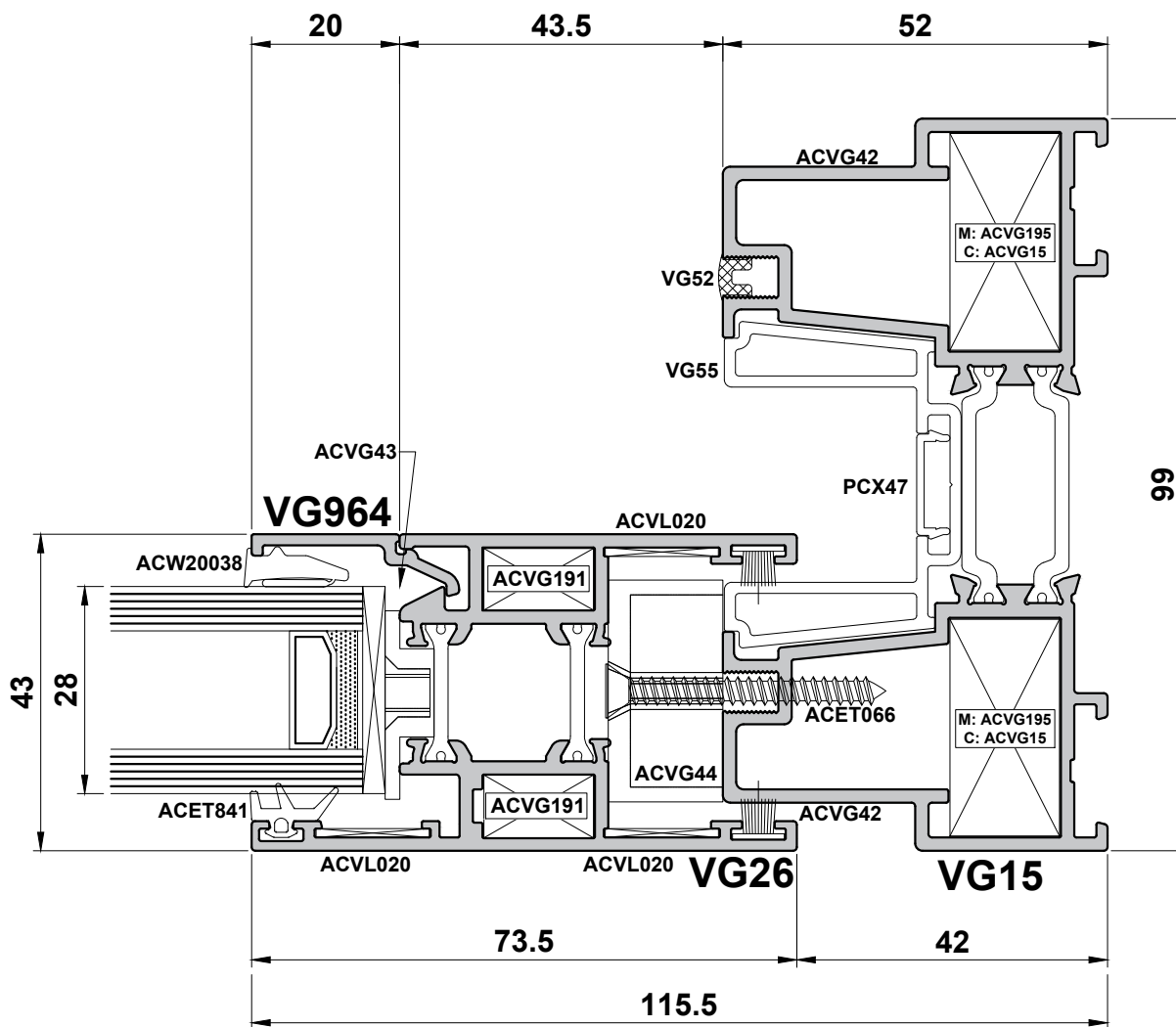
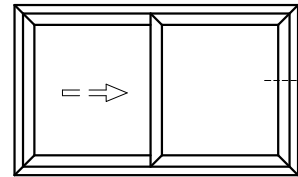
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Detail 4C



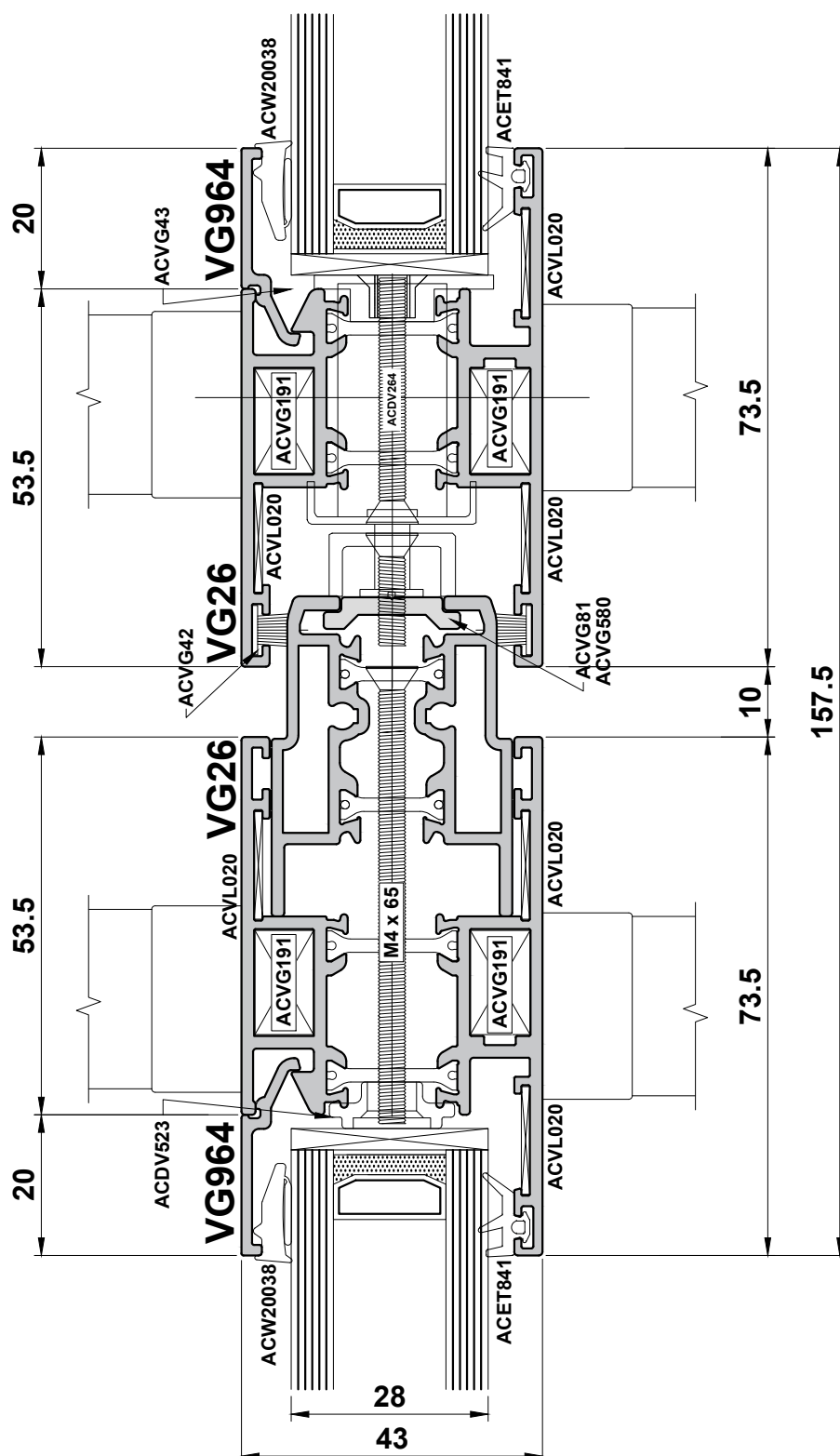
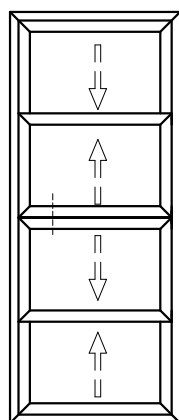
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Detail 5



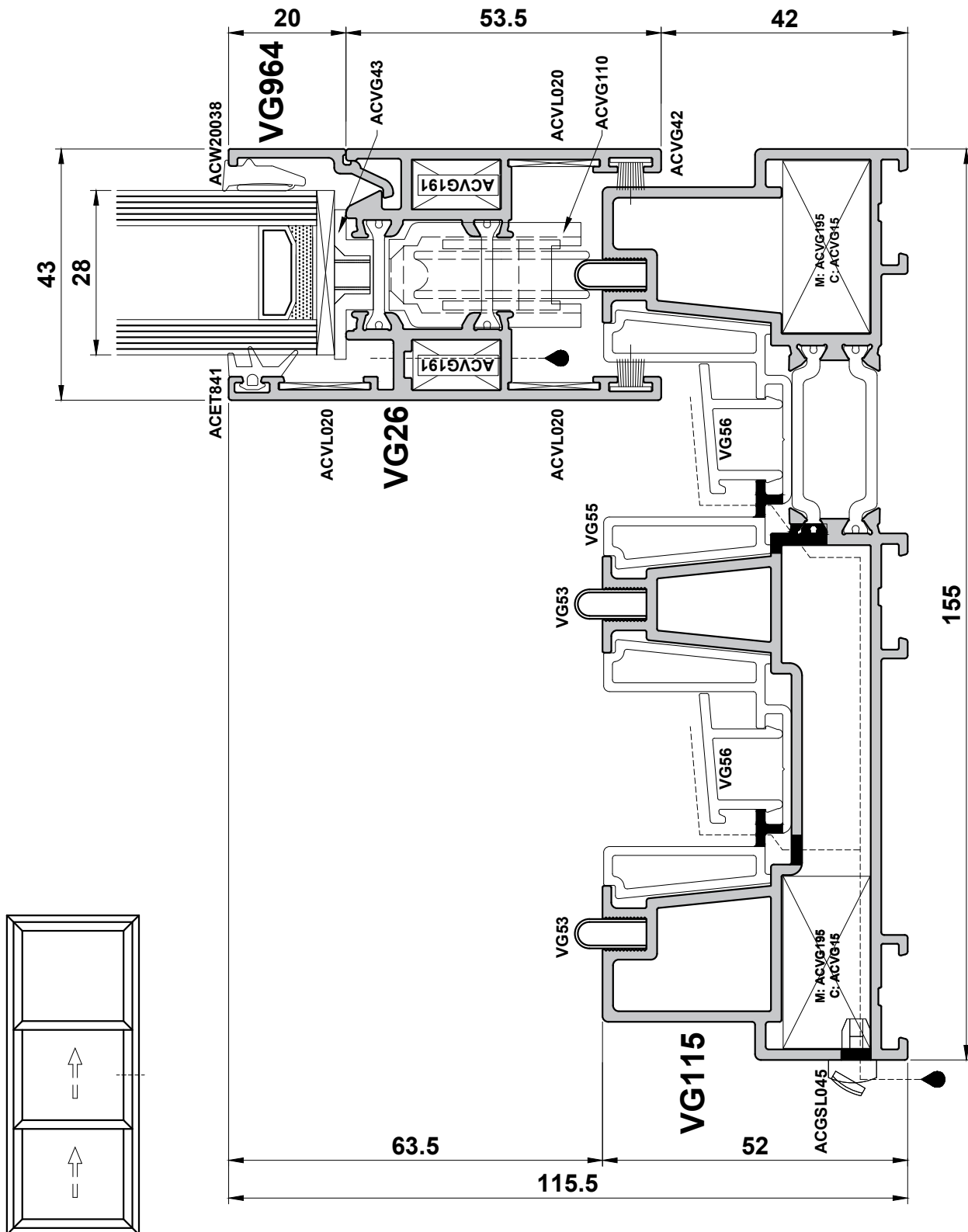
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Detail 6



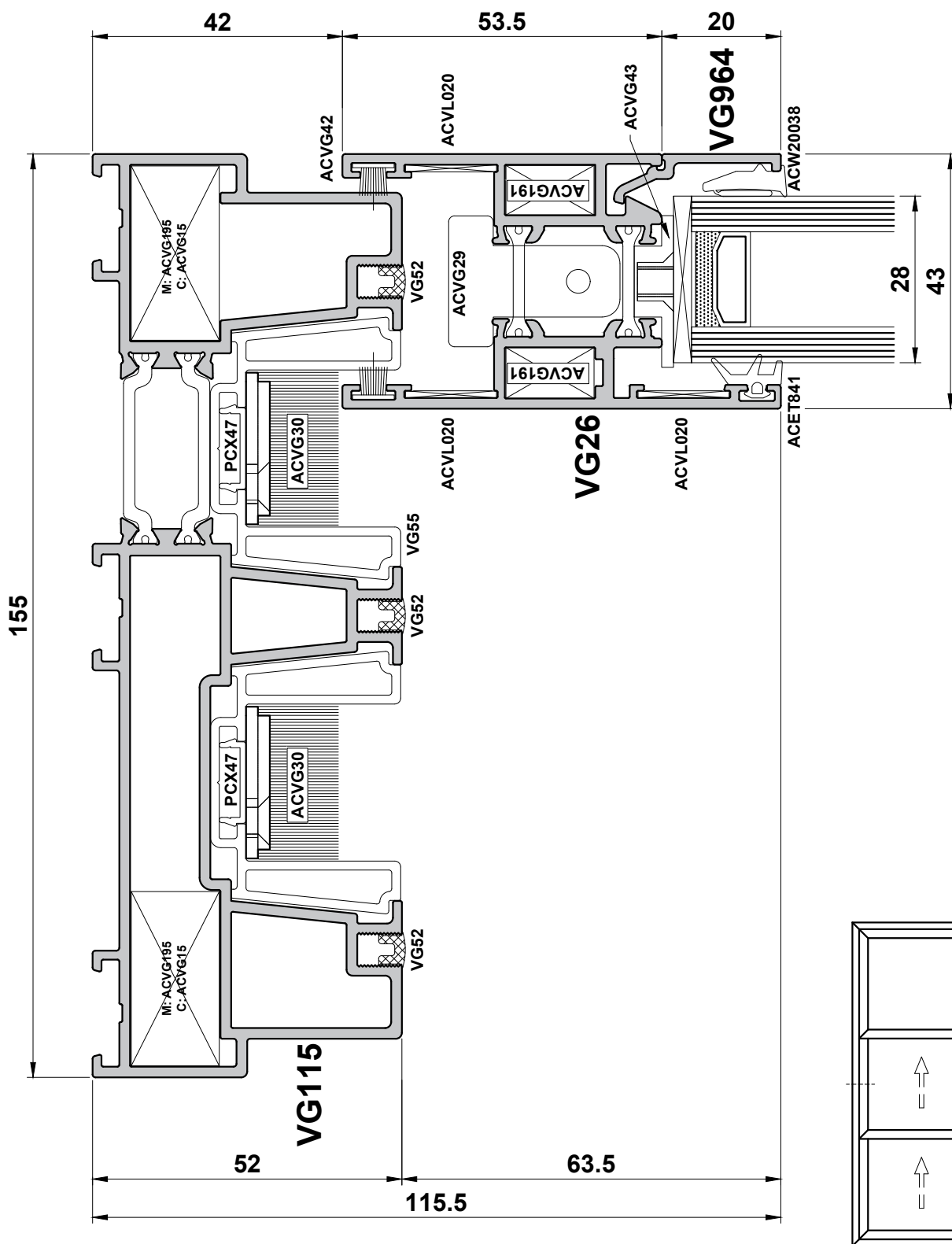
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Detail 7



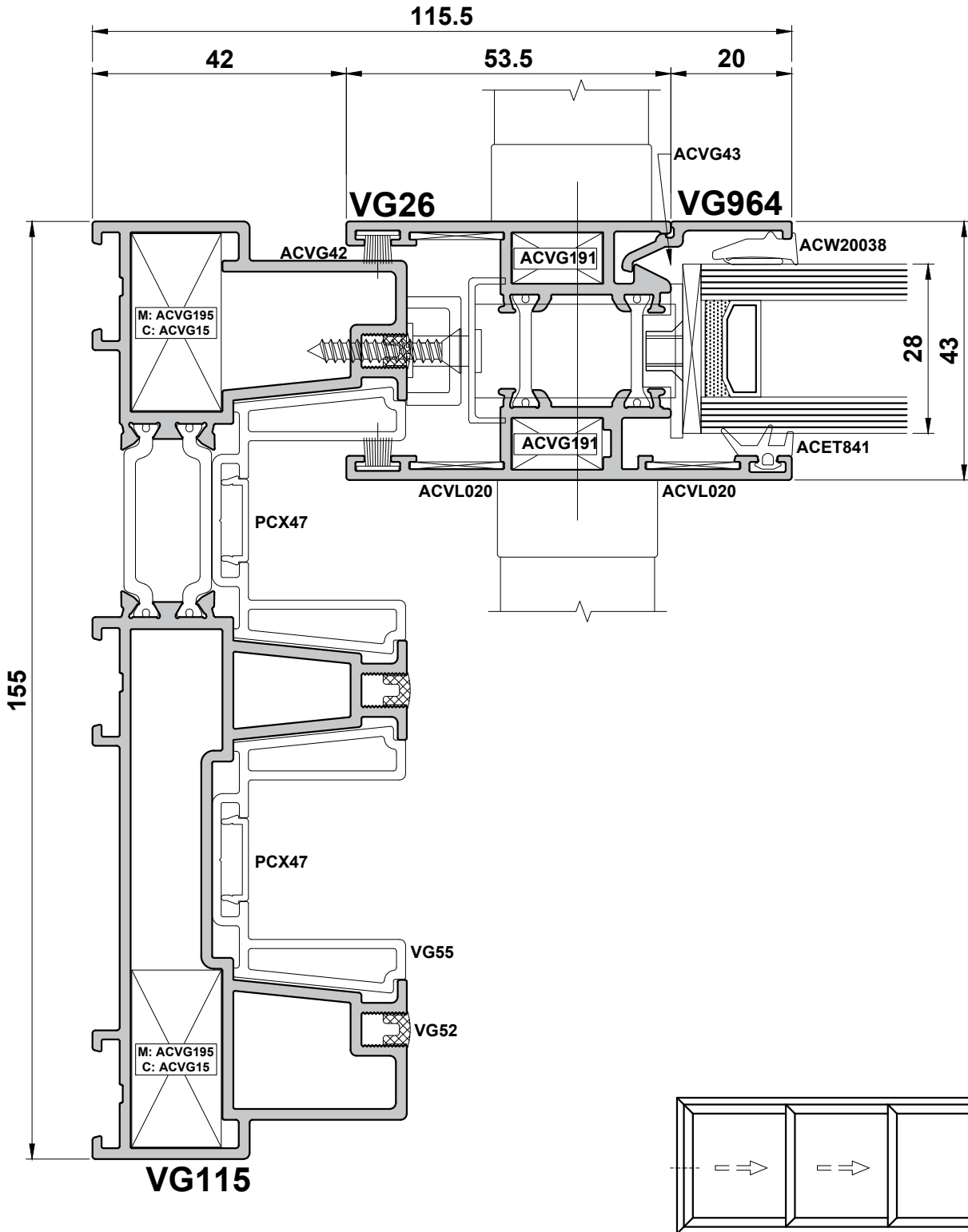
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Detail 8



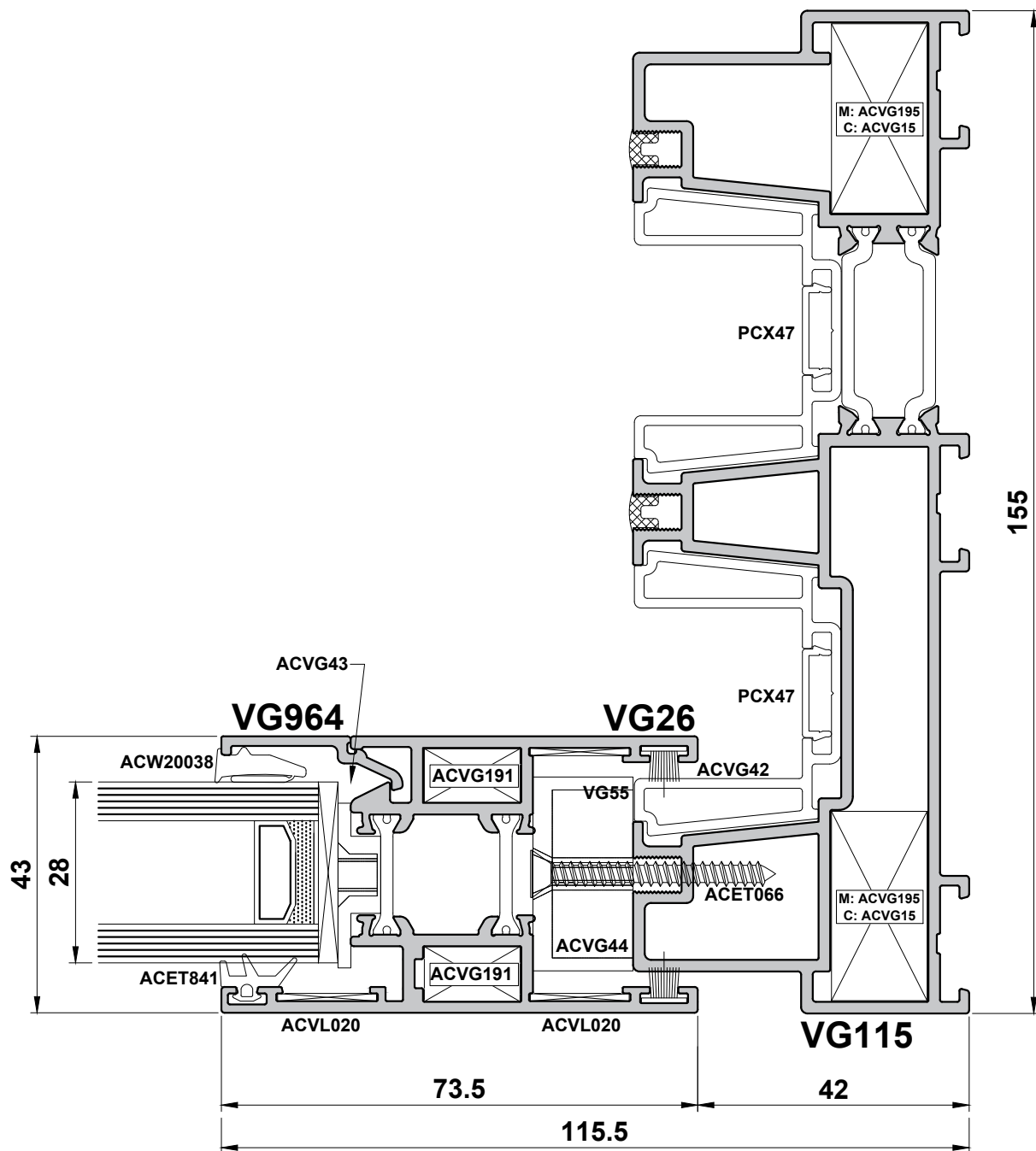
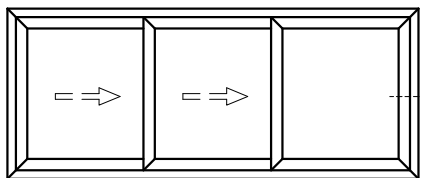
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Detail 9



Do Not Scale From This Drawing

Detail 10



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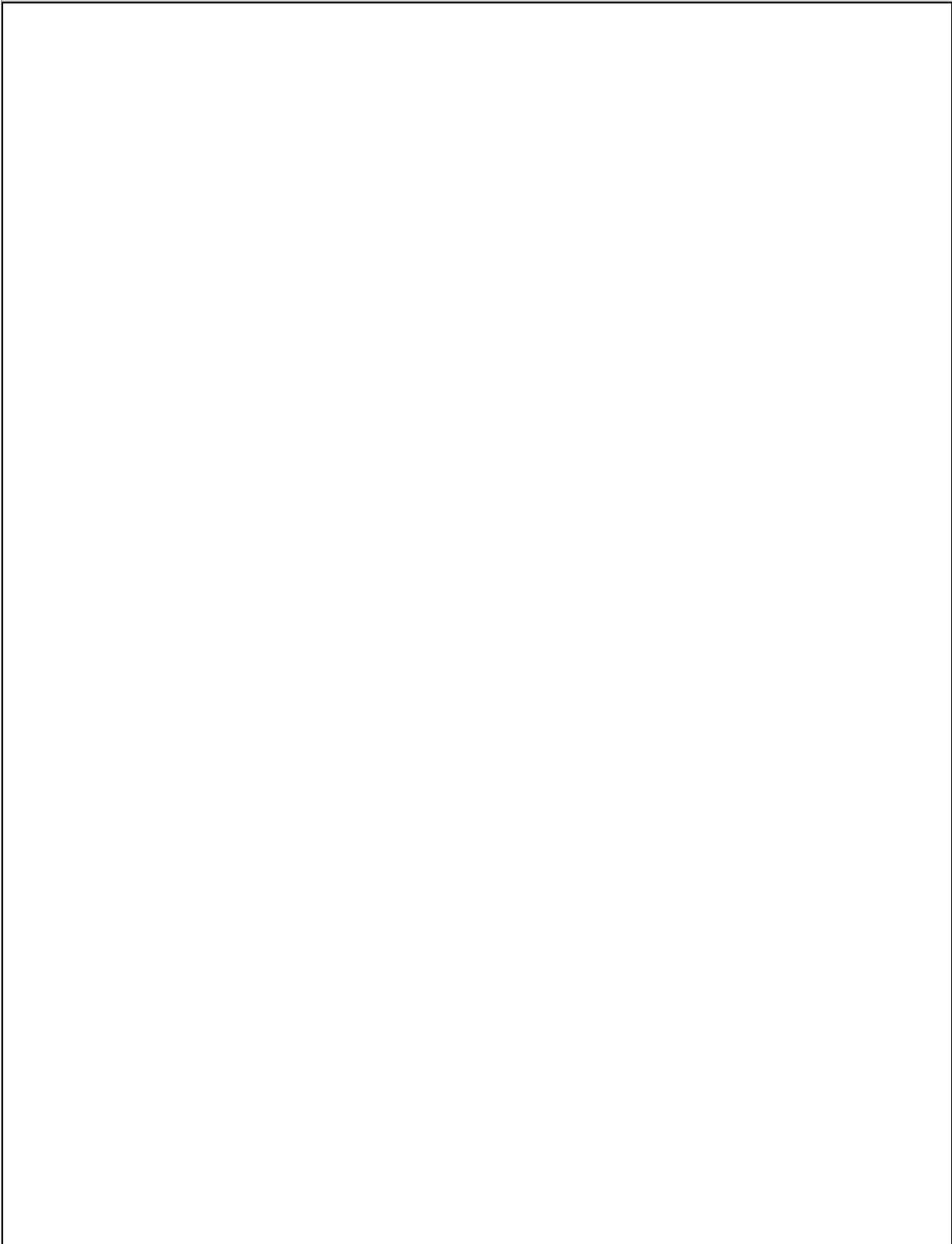
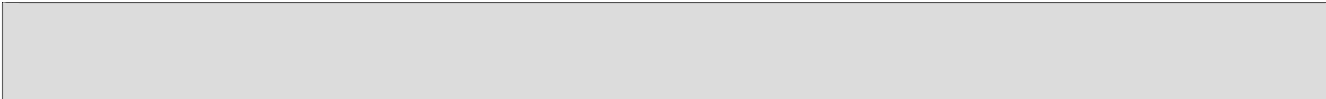
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Section D

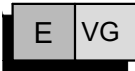
Statics

General Size Limitations are shown on Page A02.

**For Wind Loading Limitations, Please Contact
The Technical Department - T: 01934 833100**



Section E



Construction Drawings

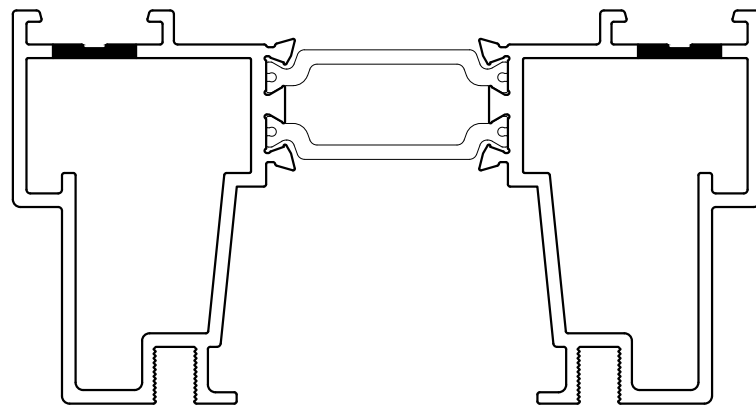
Corner Joint Details.....	E03 - E04
Drainage & Pressure Equalisation.....	E05 - E07
Glazing Bead - Punch Tool.....	E08
ACVG110 Rollers.....	E09 - E10
Lock Prep & Installation.....	E11 - E15
Interlocks.....	E16 - E17
Fixed Sash.....	E18
ACVG30 Installation.....	E19
Glazing Chart.....	E20
ACUN348 Buffer.....	E21



Corner Joints - Punch Tool

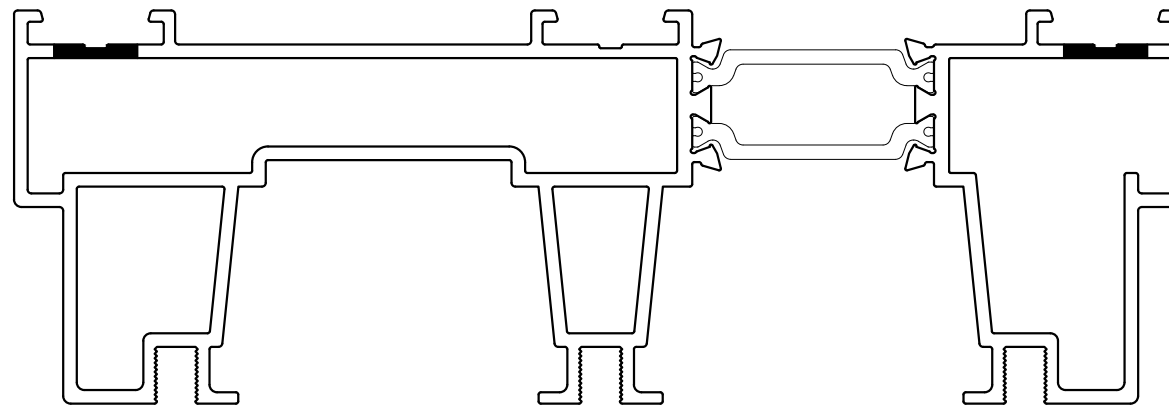
VG15

ACVG160A
STATION 7



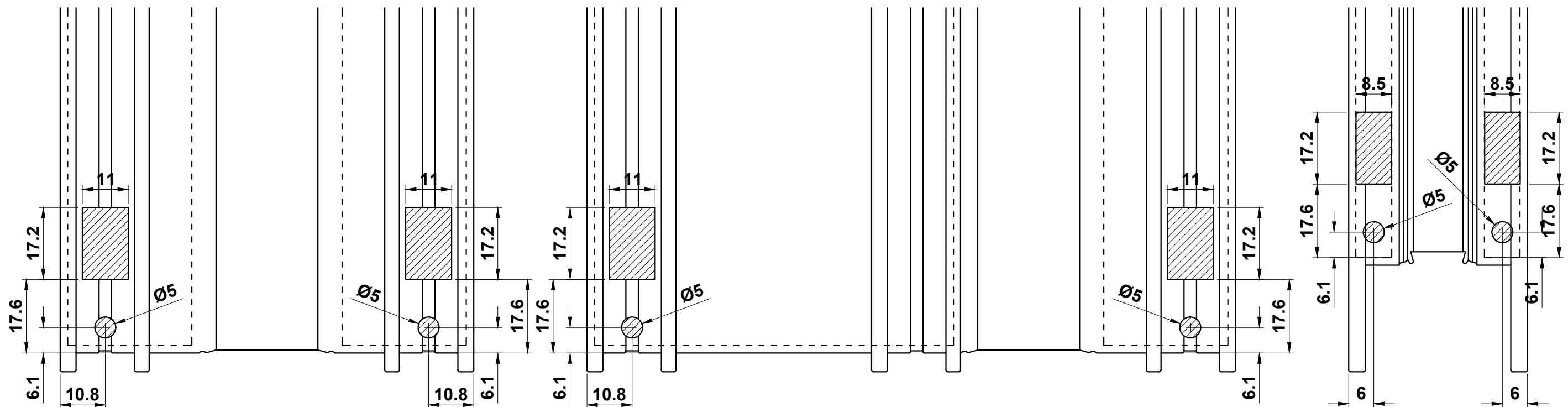
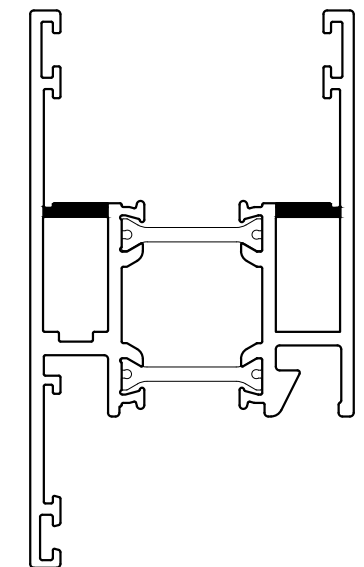
VG115

ACVL167
STATION 1 & 2



VG26

ACVG160A
STATION 6

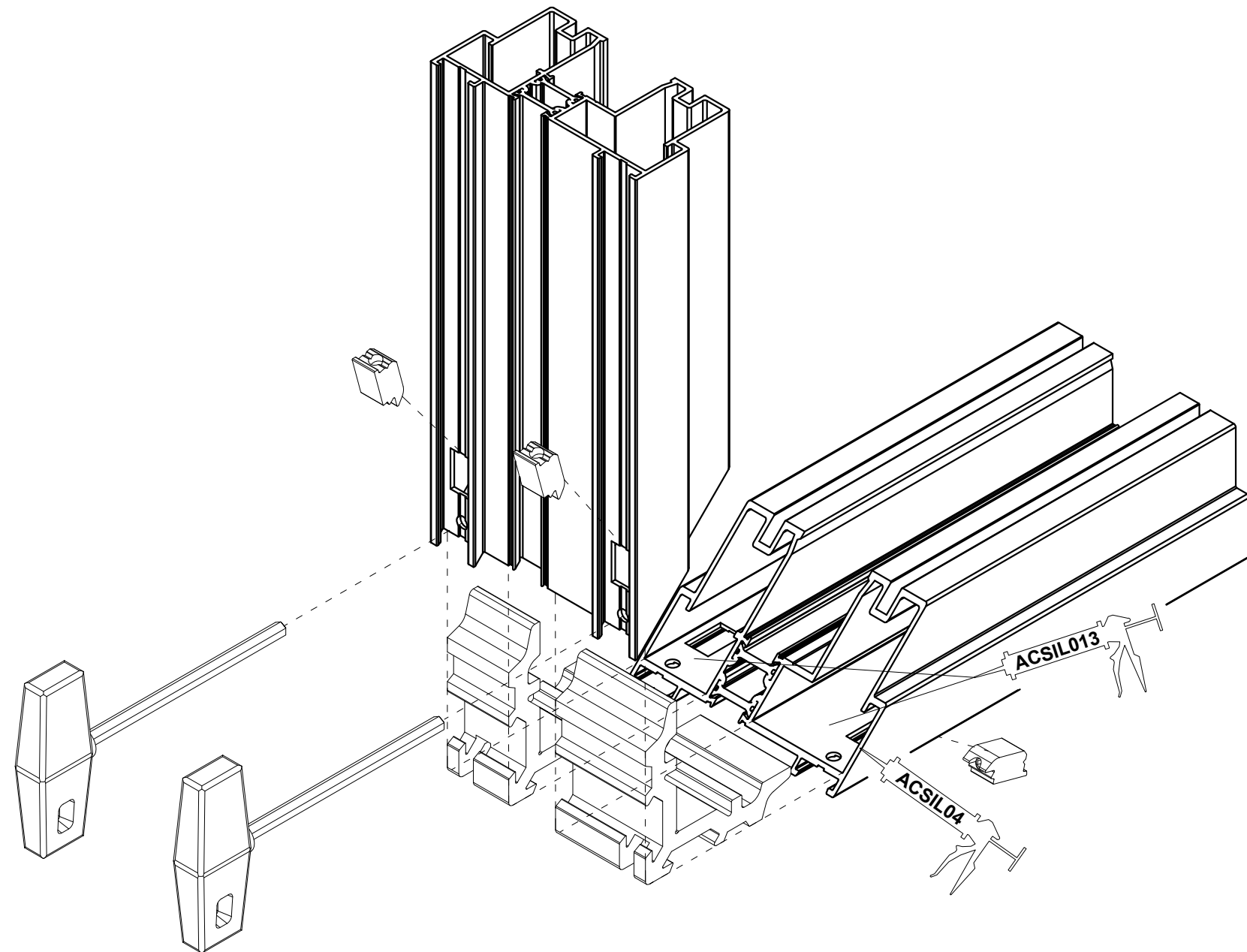


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Corner Joint - Details

Notes

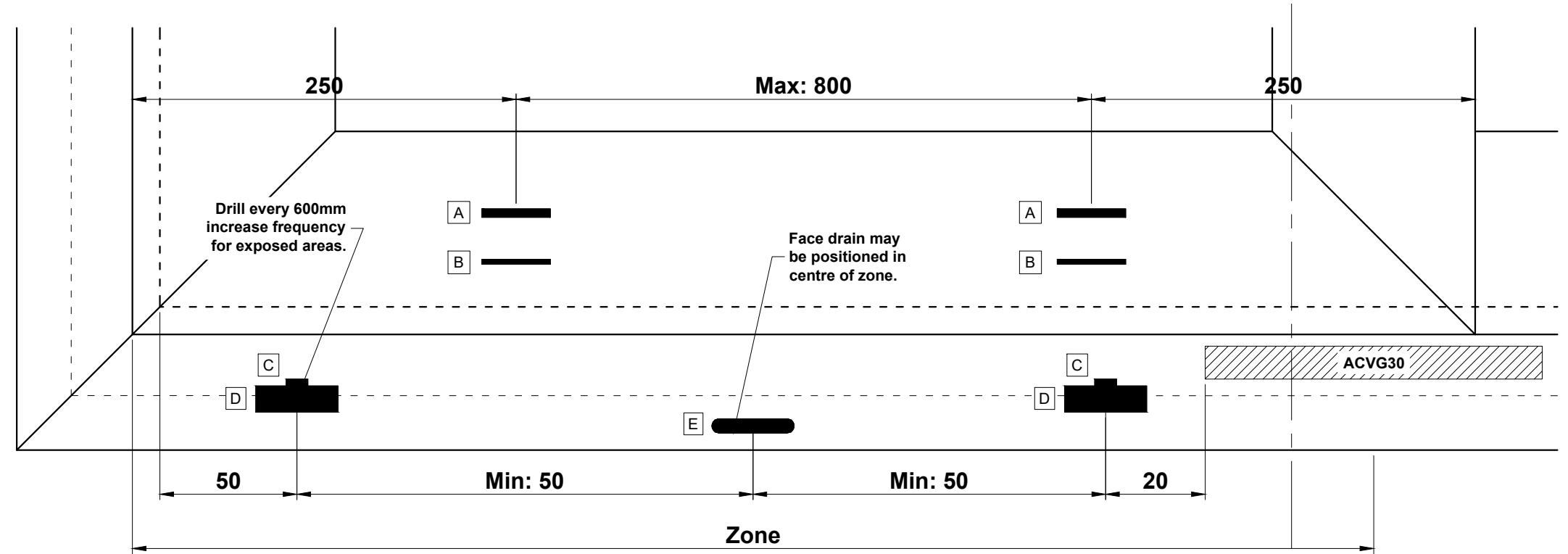
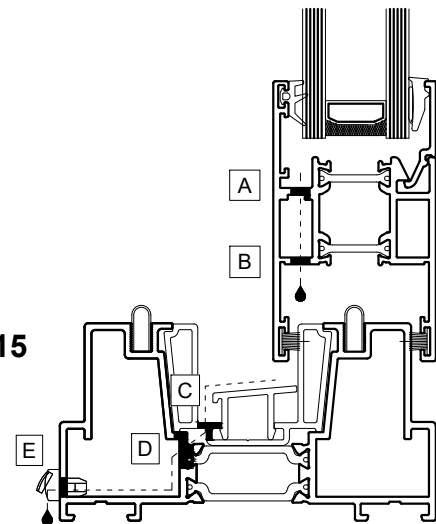
1. Degrease mitre sections
2. Cover mitred faces with ACSIL04
3. Apply ACSIL013 to cleat chambers
4. Apply ACSIL04 to any fractures formed by mechanical joint to make watertight



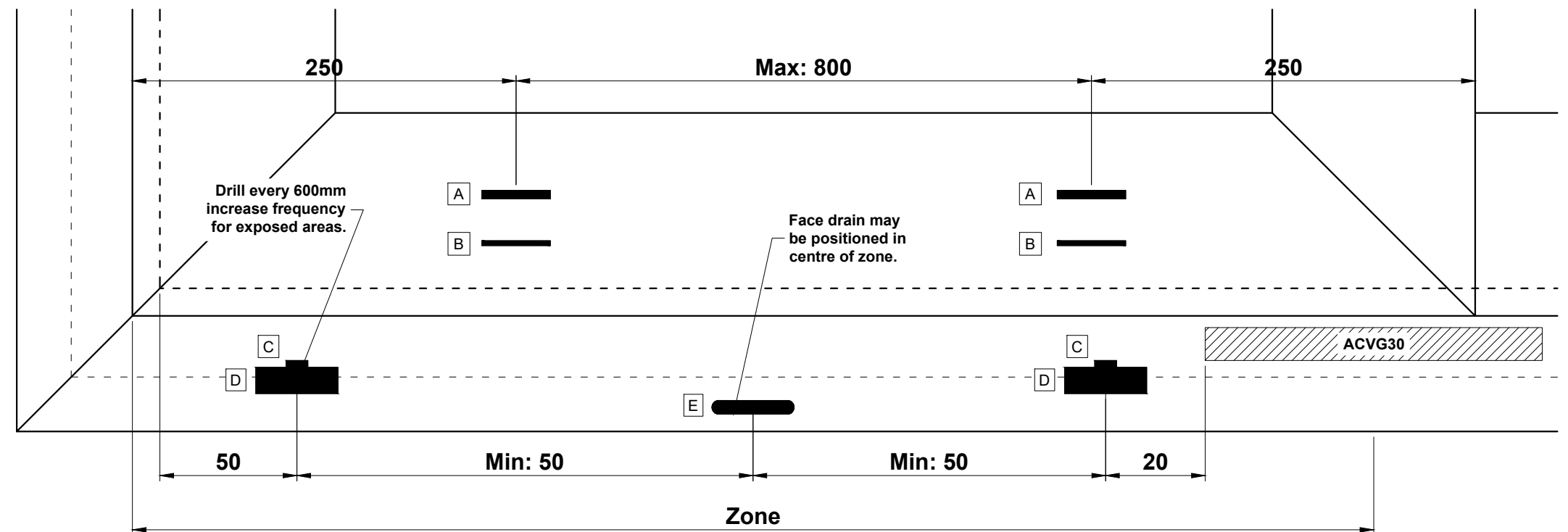
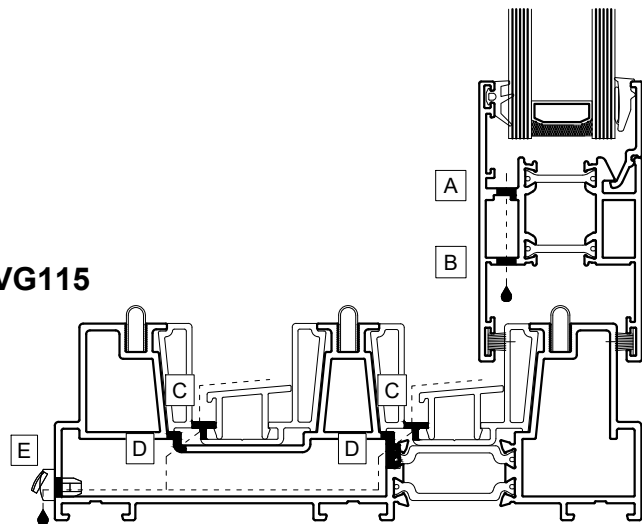
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Drainage - Overview

VG15

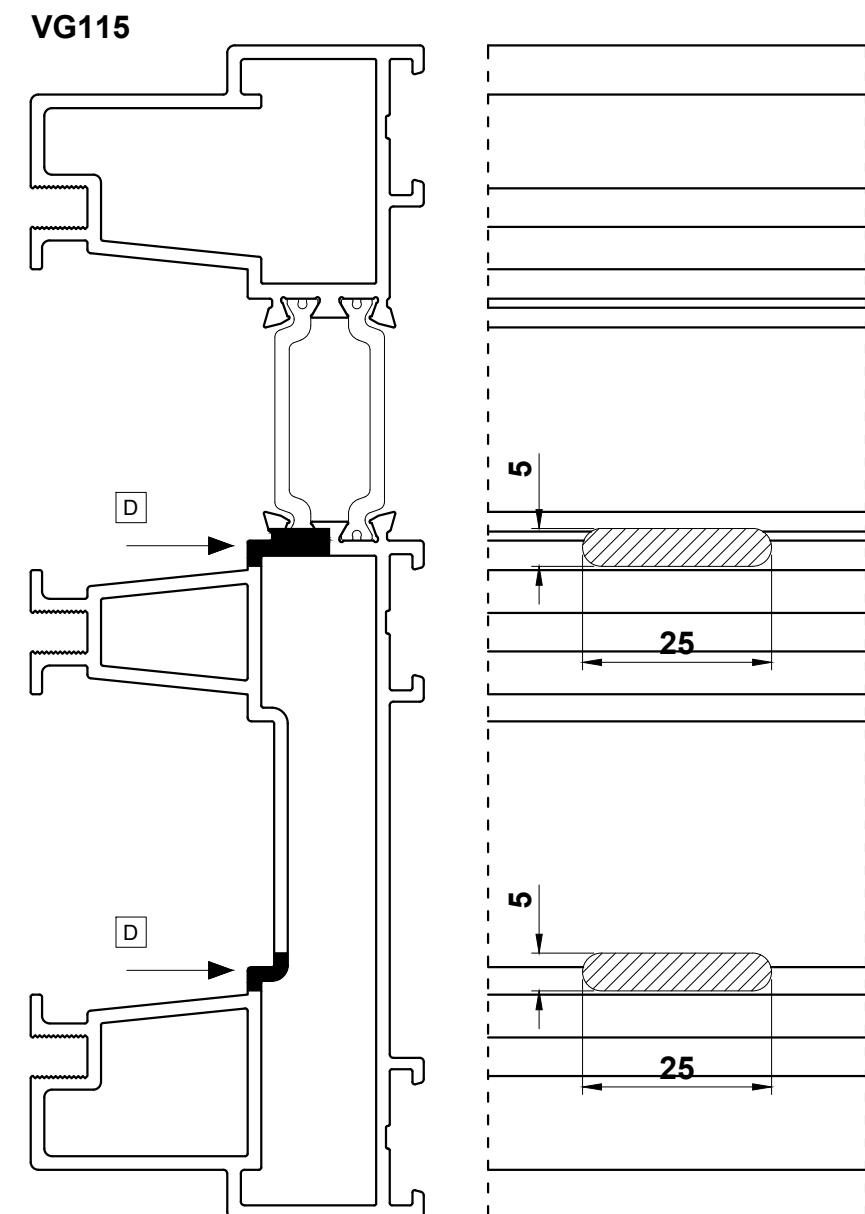
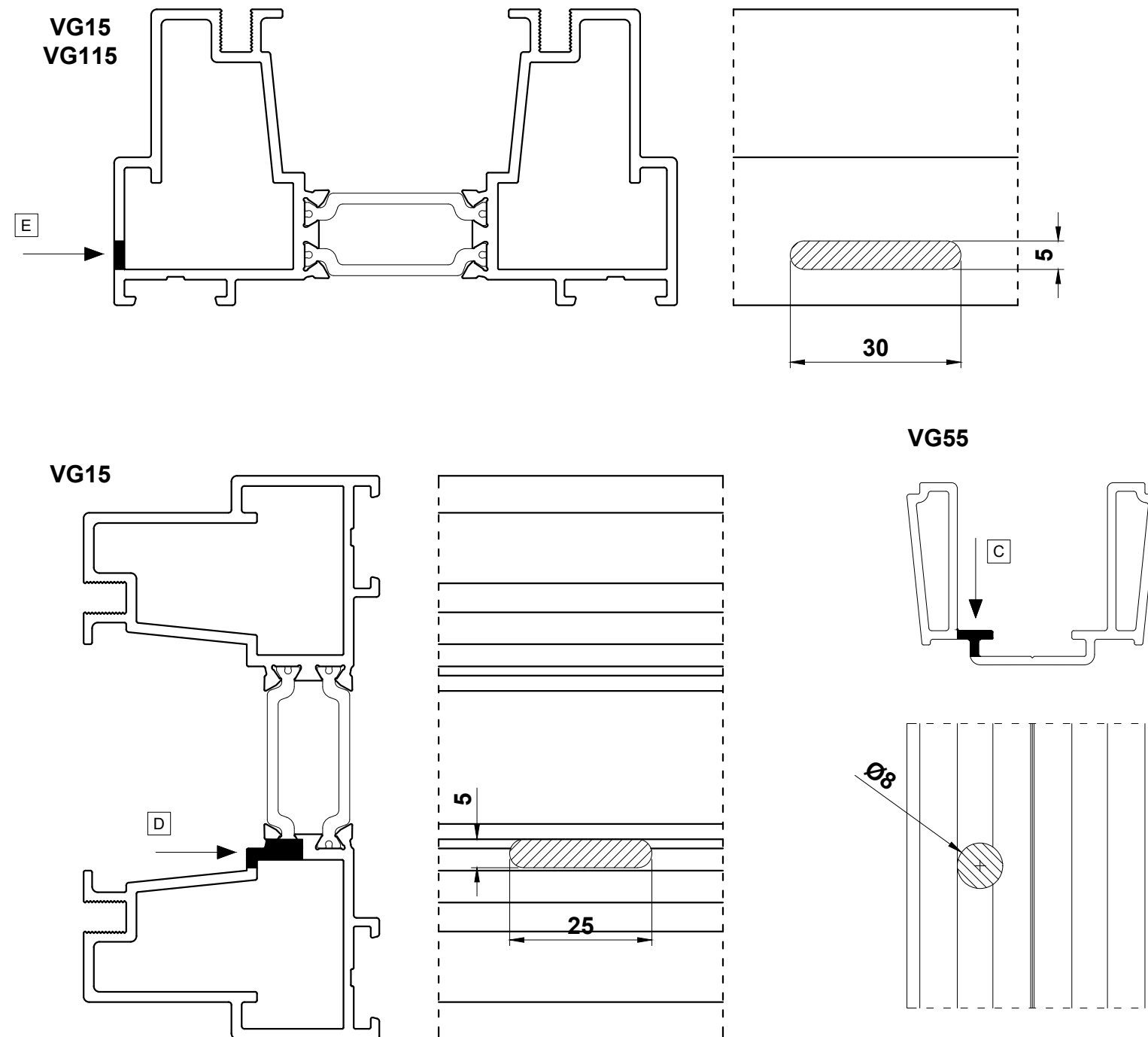


VG115



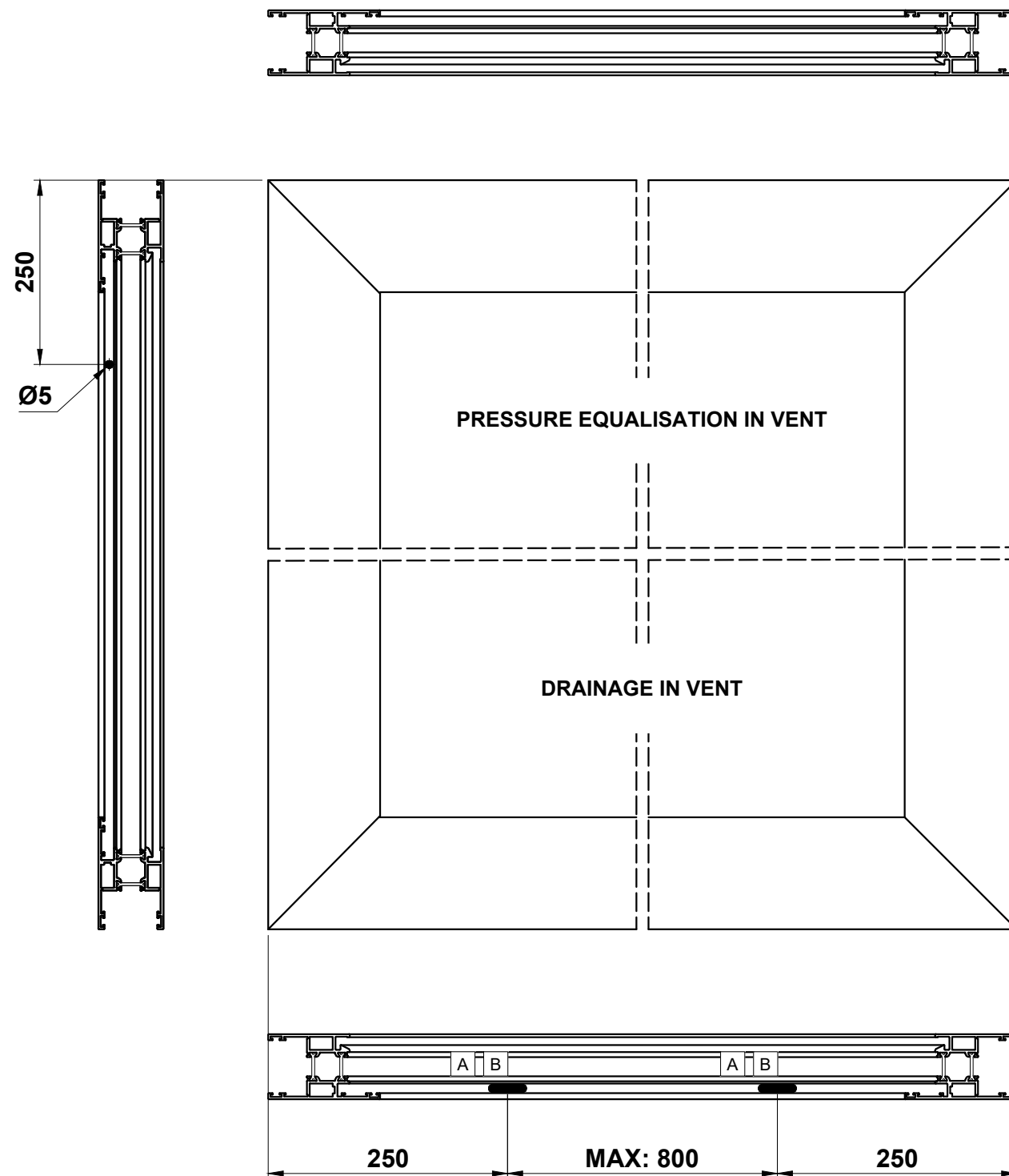
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Outerframe Drainage

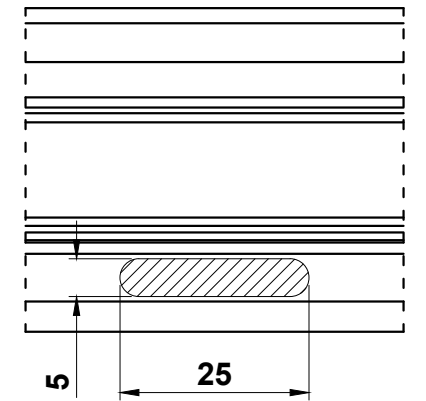
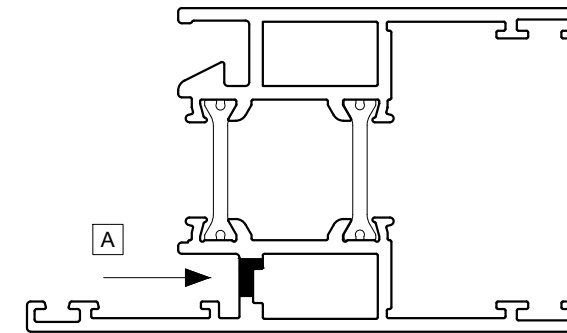


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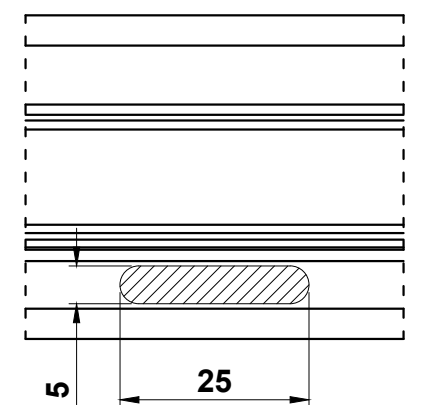
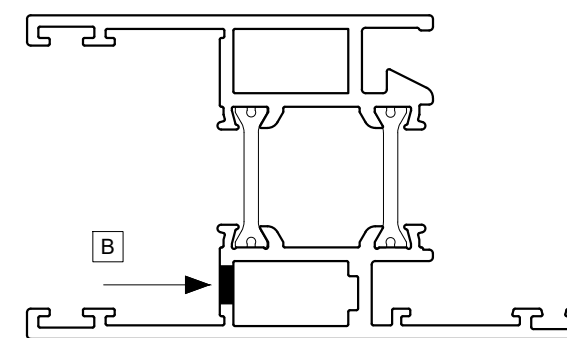
Sash Drainage and Pressure Equalisation



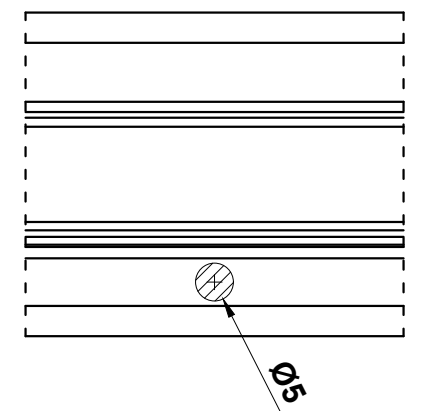
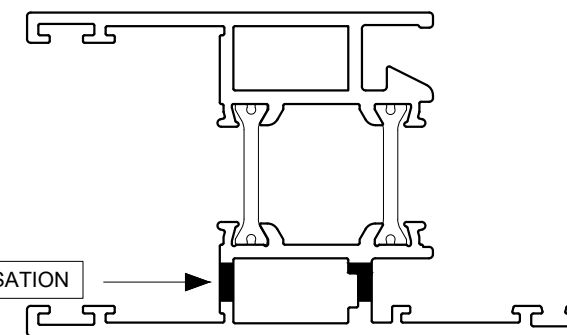
VG26 - Drainage



VG26 - Drainage



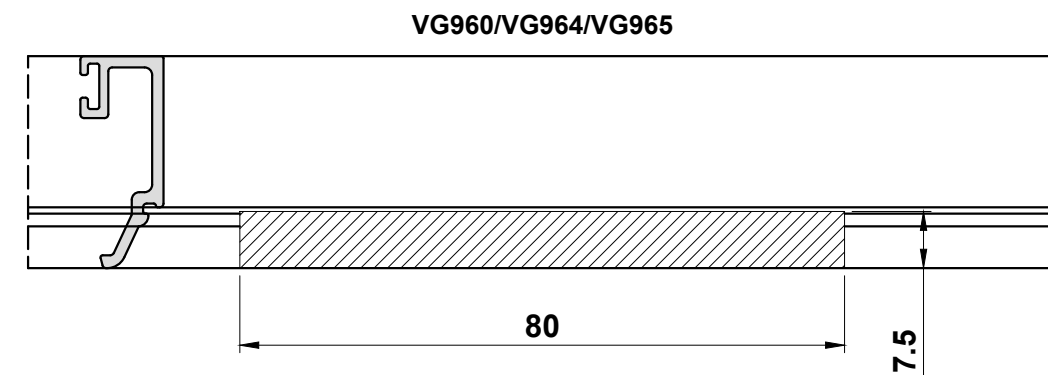
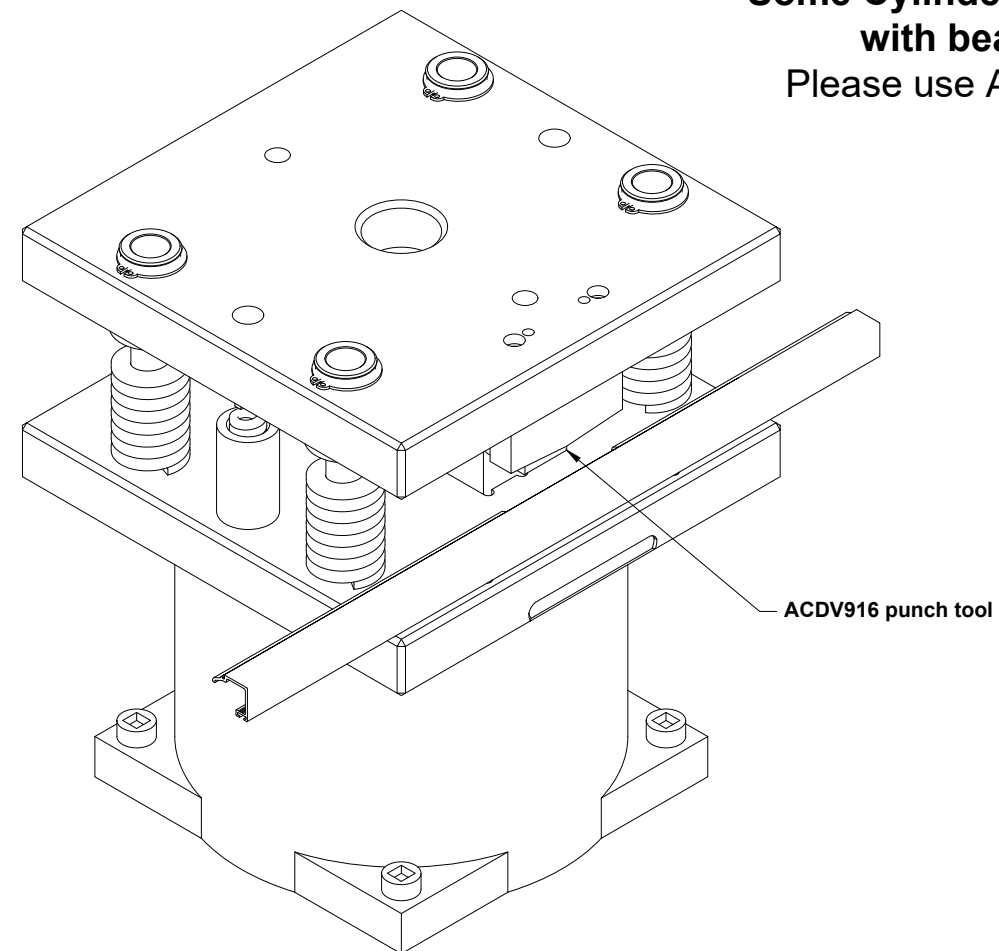
VG26 - Pressure Equalisation



Do Not Scale From This Drawing

Quick Glaze Beads - Punch Tool

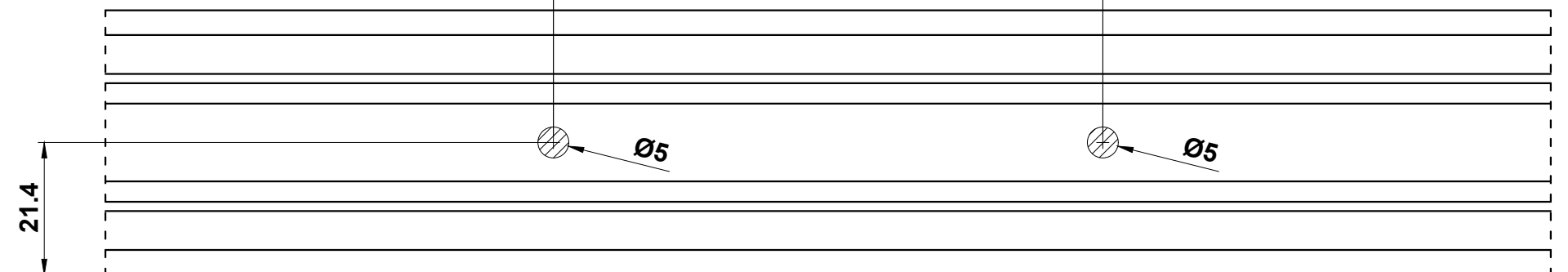
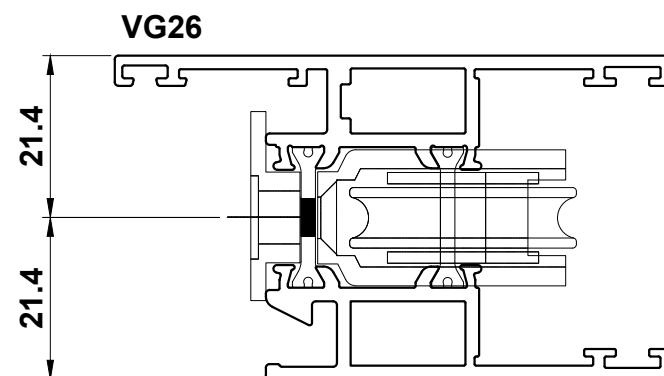
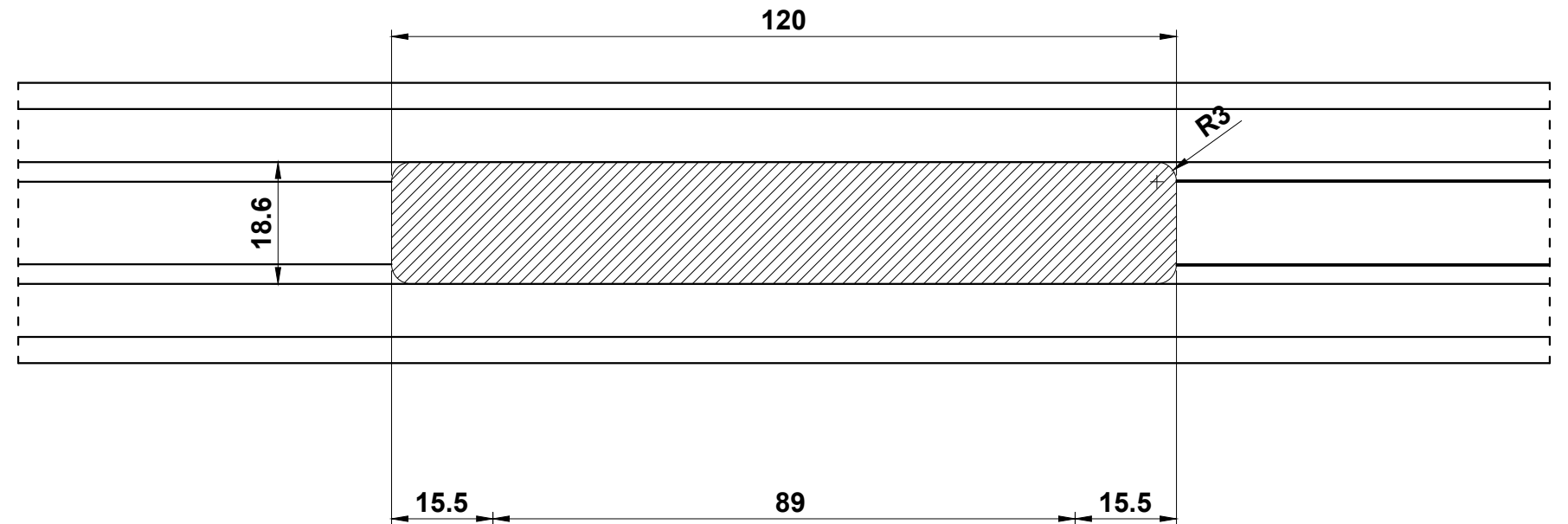
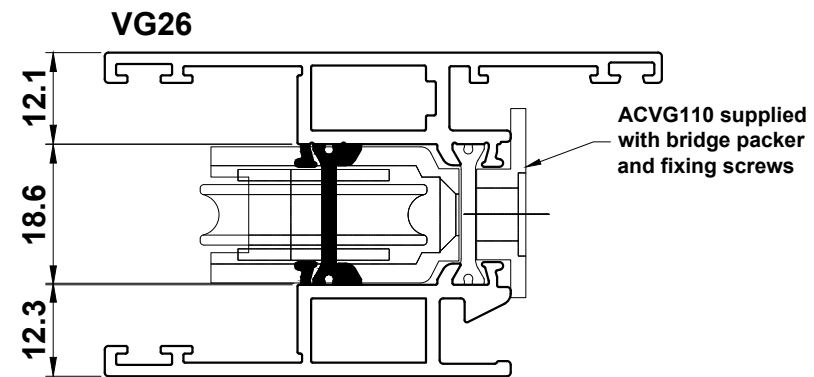
Some Cylinder/Spindle preparations will interfere with beads and will require notching.
Please use ACDV916 bead notching punch tool.



Please contact Technical Department for further information.

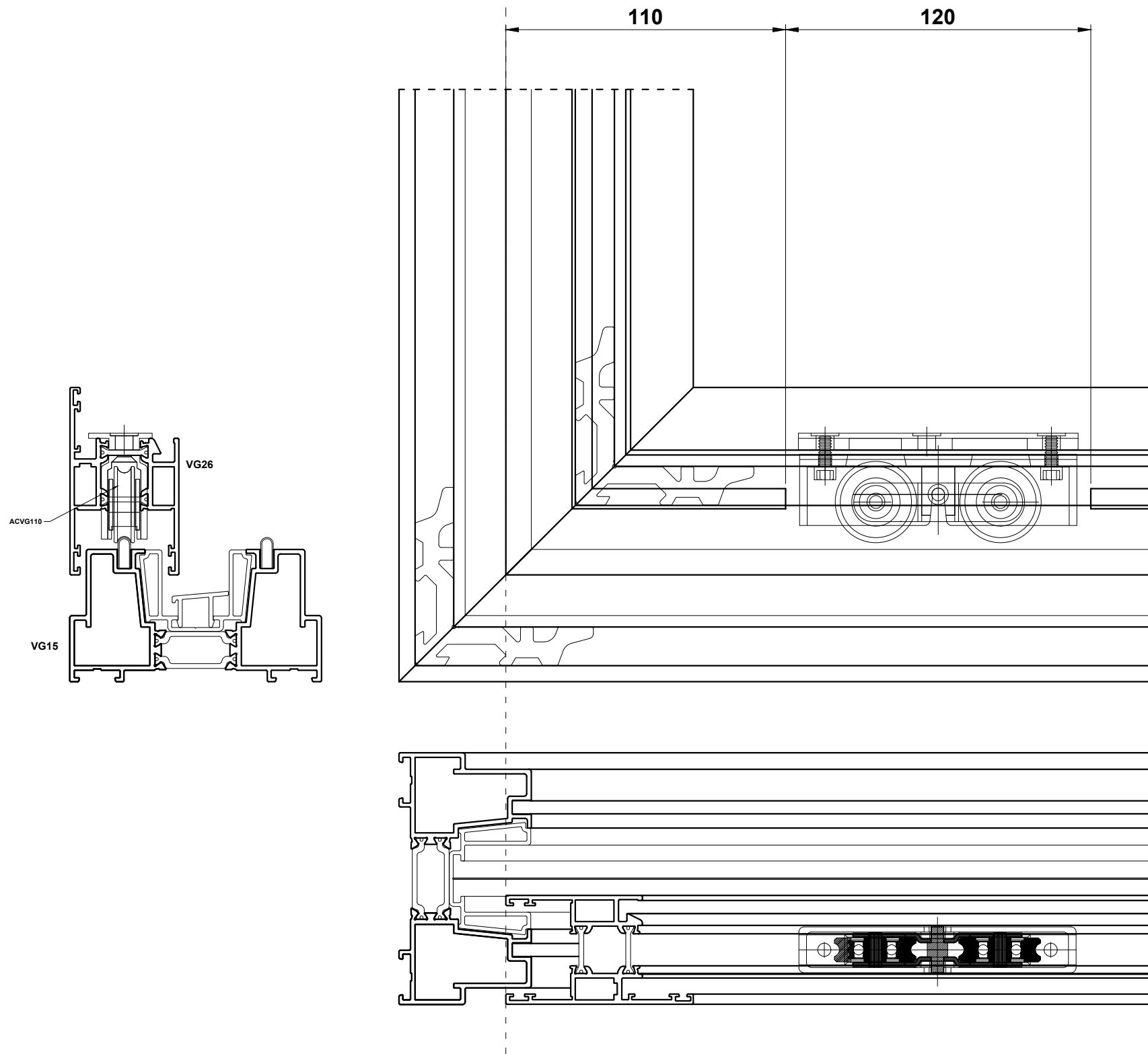
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ACVG110 Rollers - Prep



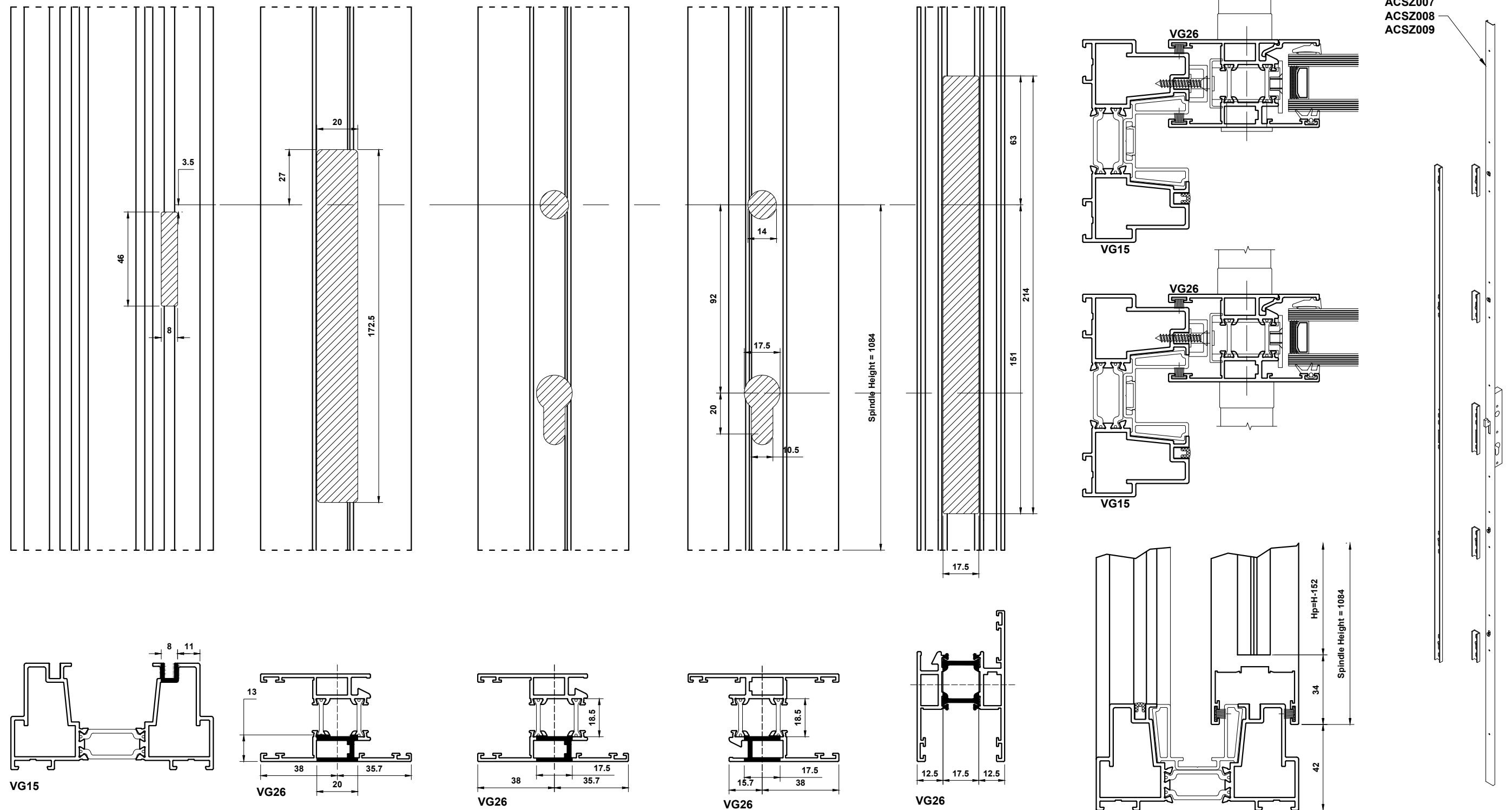
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ACVG110 Rollers - Position

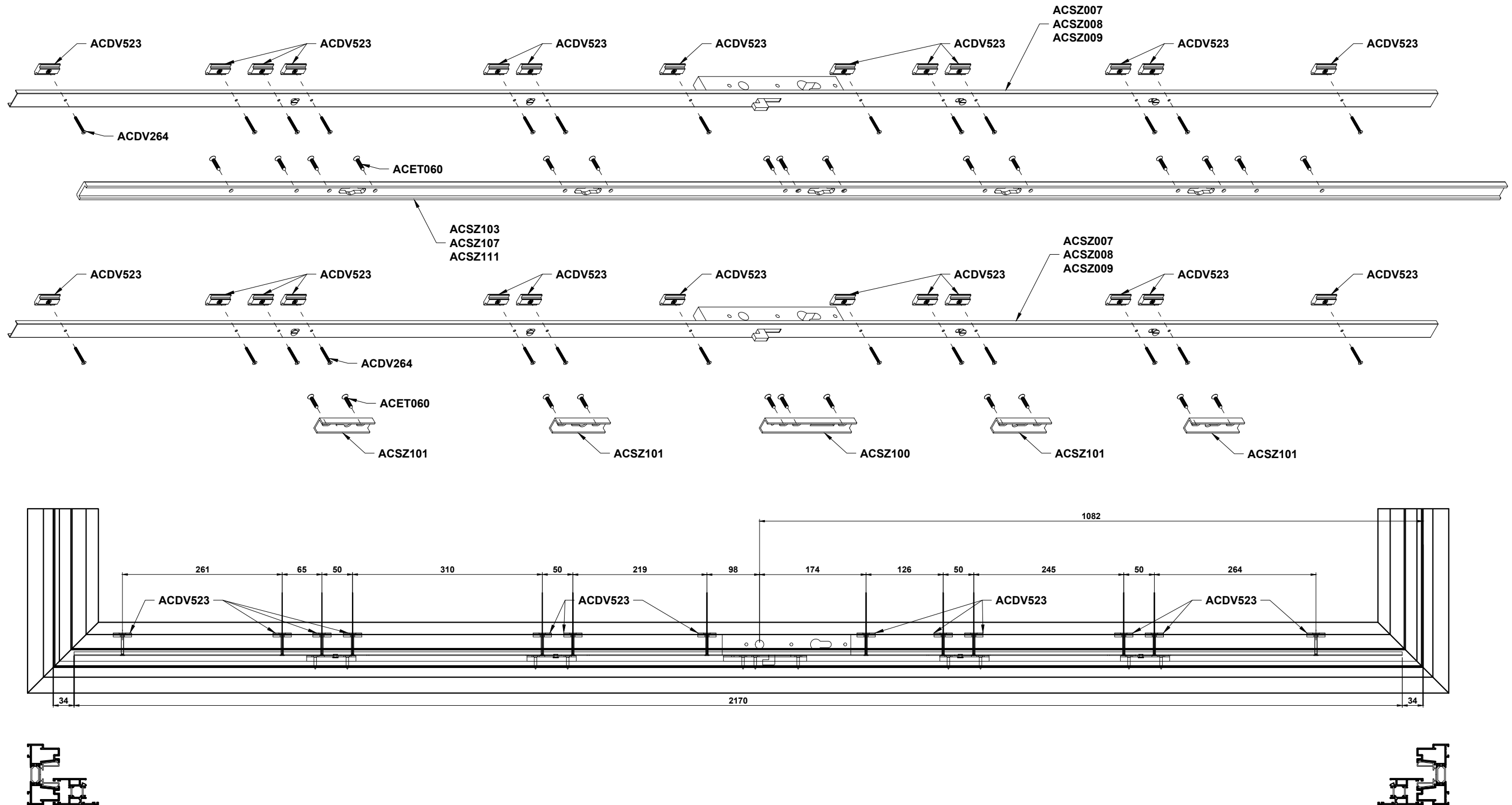


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Locks - Prep - Penta Lock

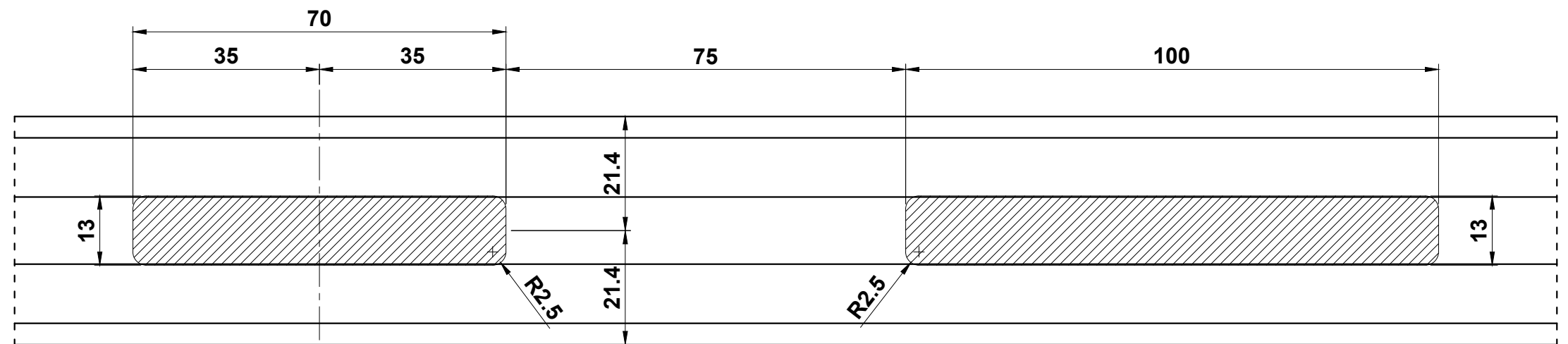
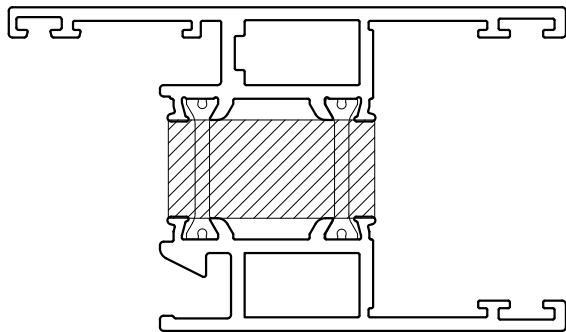


Locks - Installation - Penta Lock

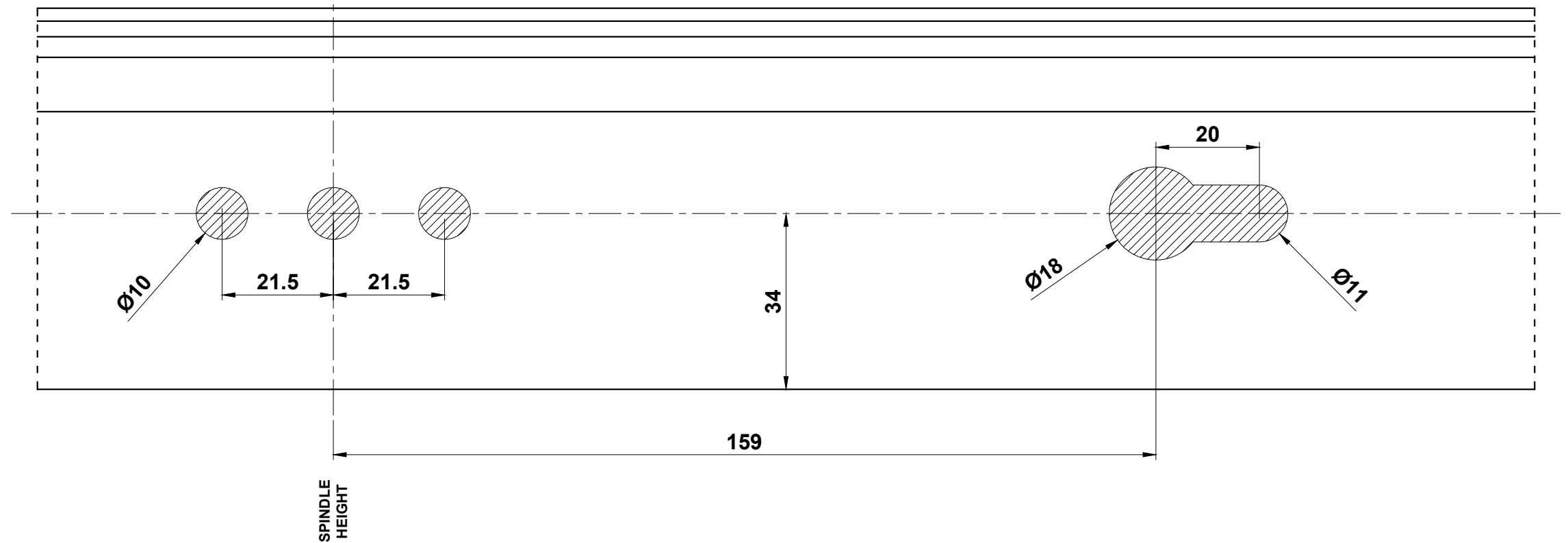
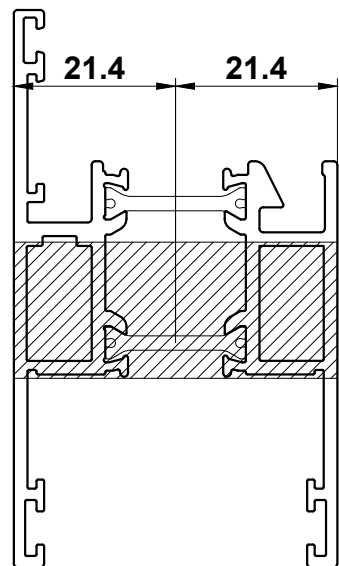


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Locks - Prep - ACVG305 Multipoint Lock

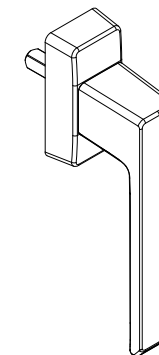
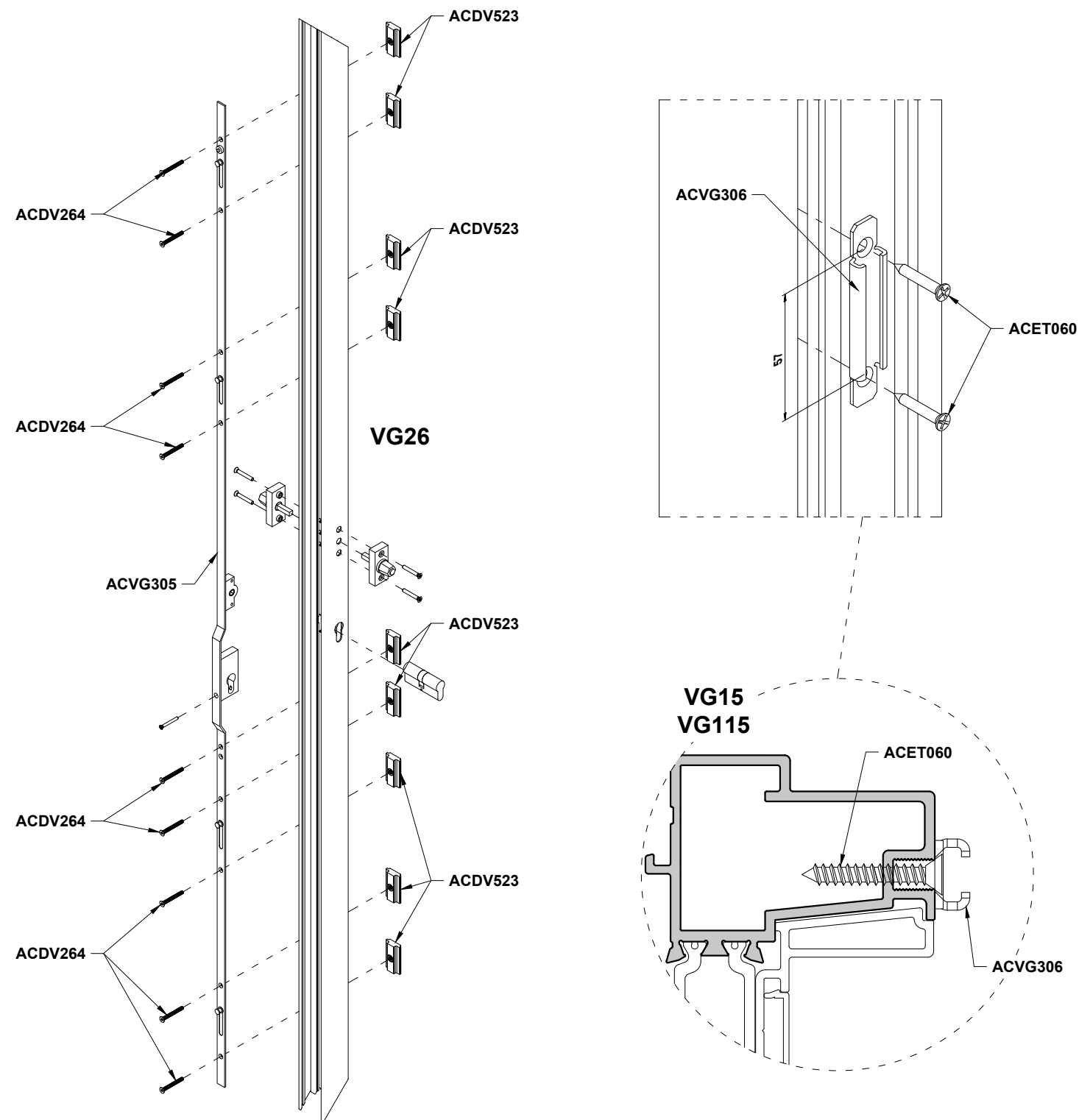
VG26

**SPINDLE
HEIGHT**

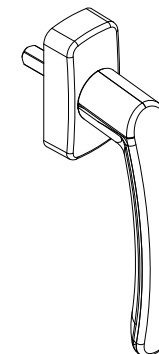
VG26SPINDLE
HEIGHT

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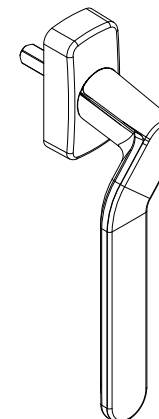
Locks - Installation - ACVG305 Multipoint Lock



Handle: ACVG310
Escutcheon: ACVG316
Fixing Kit: ACVG313



Handle: ACVG312
Escutcheon: ACVG317
Fixing Kit: ACVG313

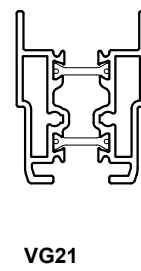
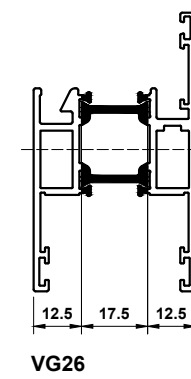
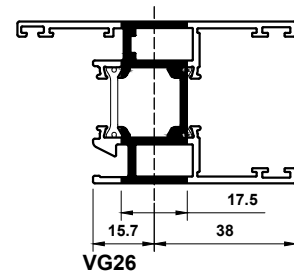
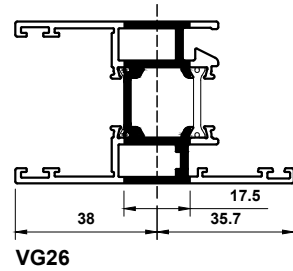
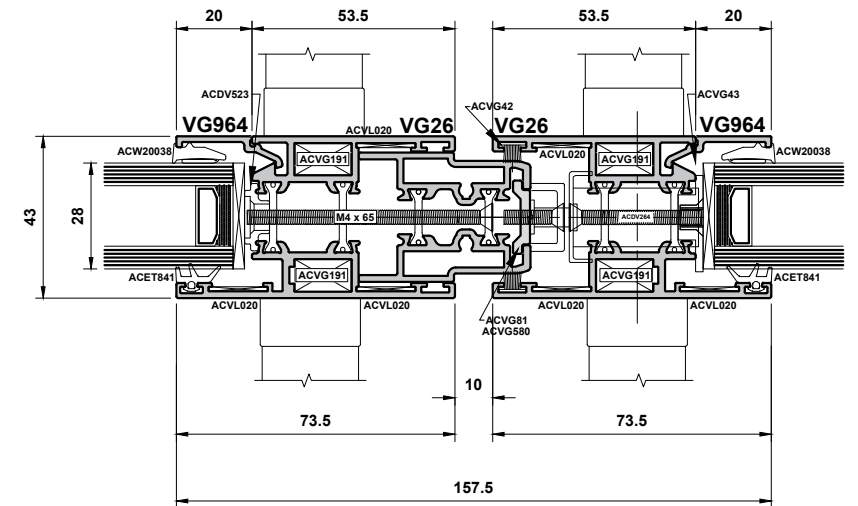
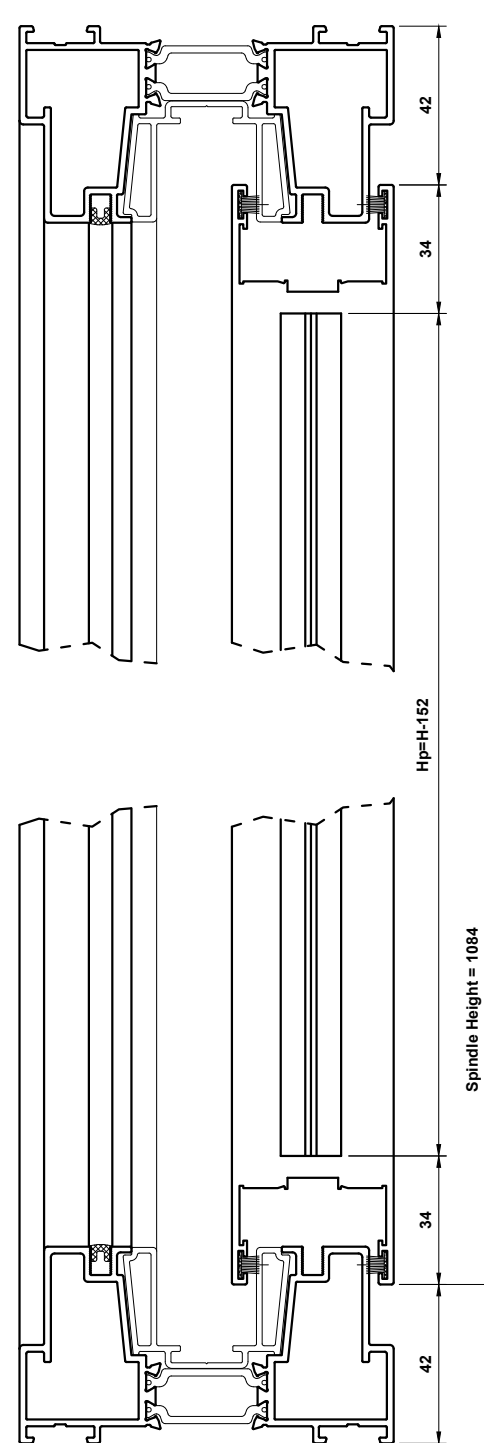
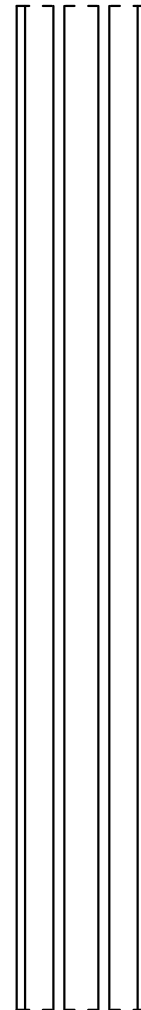
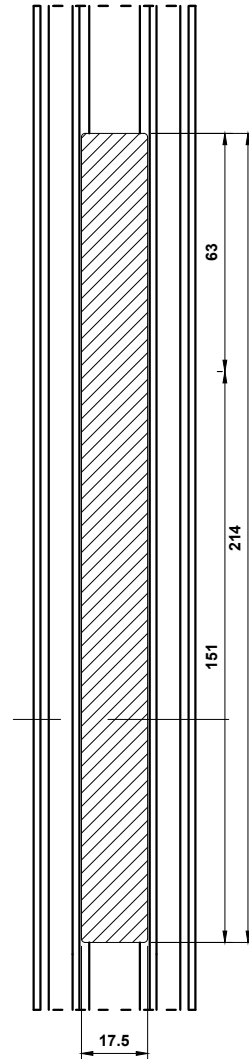
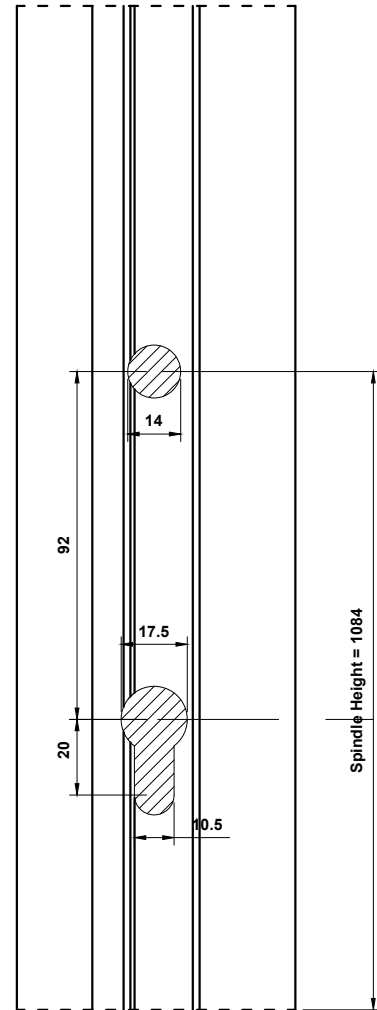
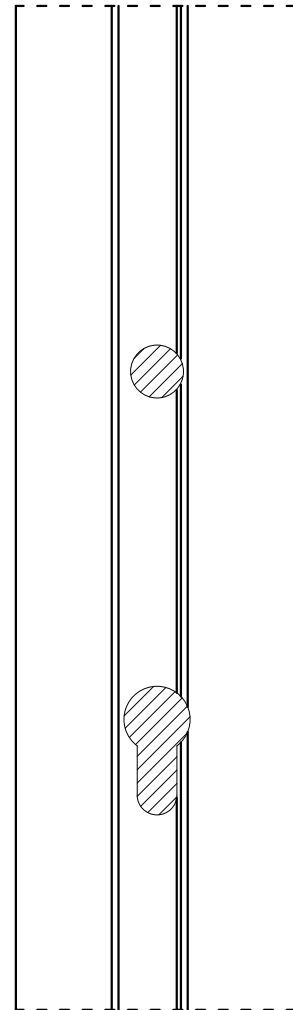


Handle: ACVG315L or ACVL315R
Escutcheon: ACVG317
Fixing Kit: ACVG313

IMPORTANT NOTE
WE STRONGLY RECOMMEND USING ACCY3030
CYLINDERS WITH ACVG305 LOCK.

Do Not Scale From This Drawing

Meeting Stile - Penta Lock Prep



IMPORTANT NOTE:
USE ACVG580 FOR KEEP FIXING

4no

28

12no

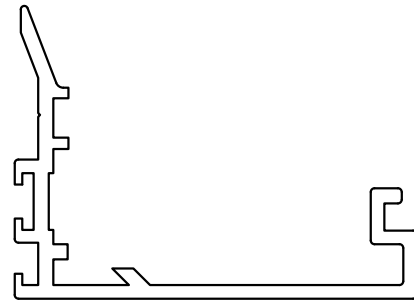
USE ACVG81 FOR KEEP FIXING AT LOCKING POINT

98

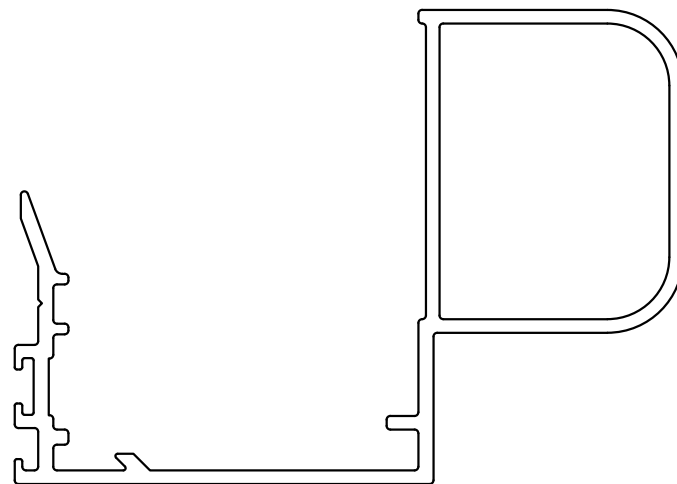
Do Not Scale From This Drawing

Interlock - Standard and Reinforced

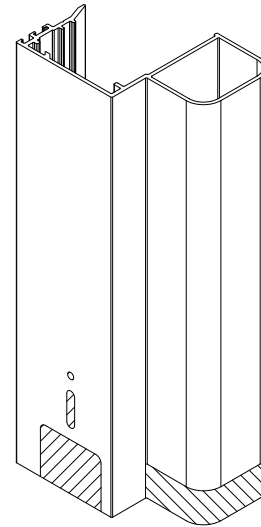
VG30



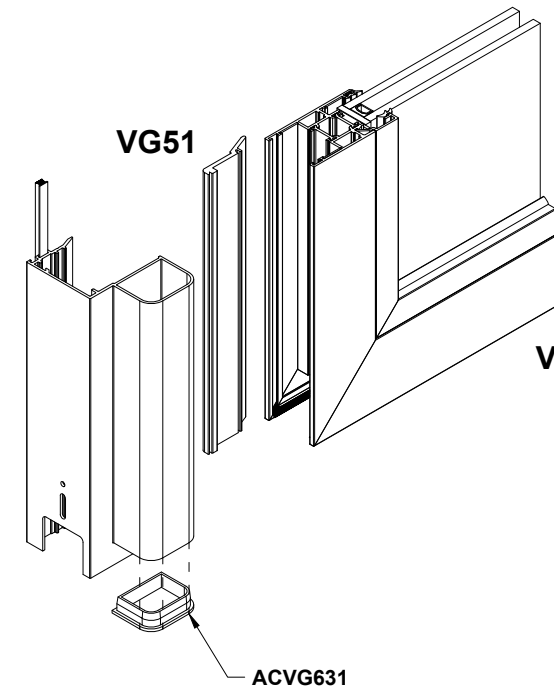
VG31



VG31

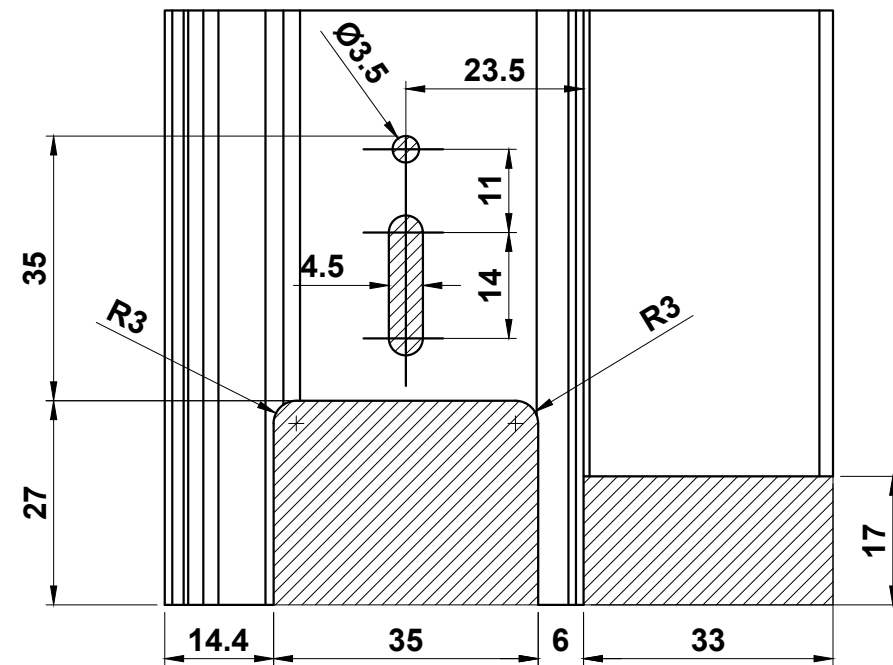


VG51

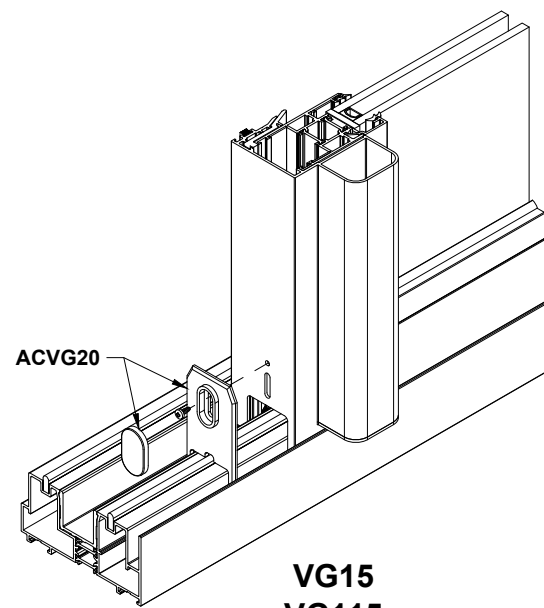


VG26

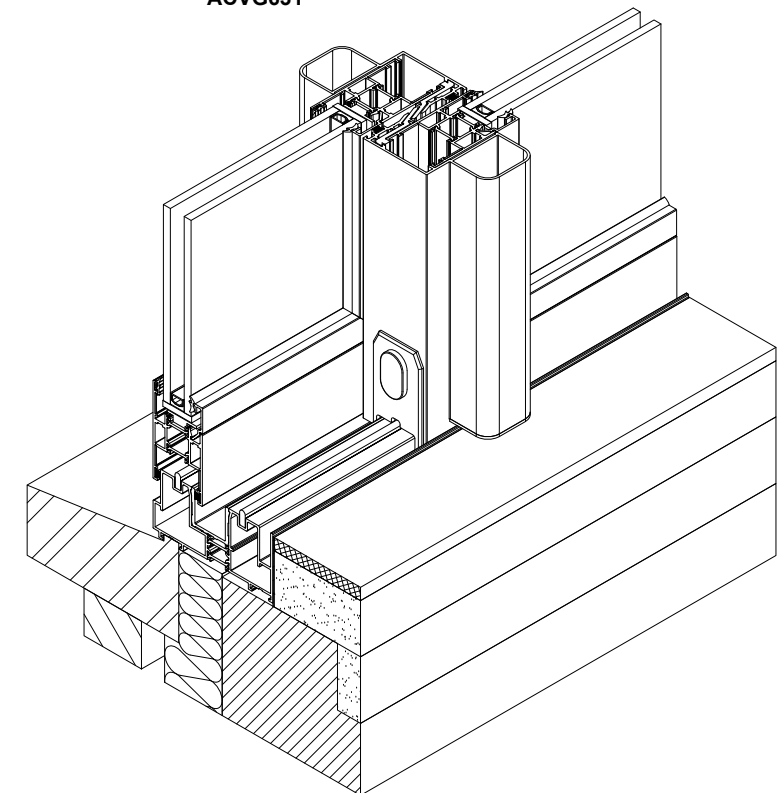
ACVG631



ACVG20

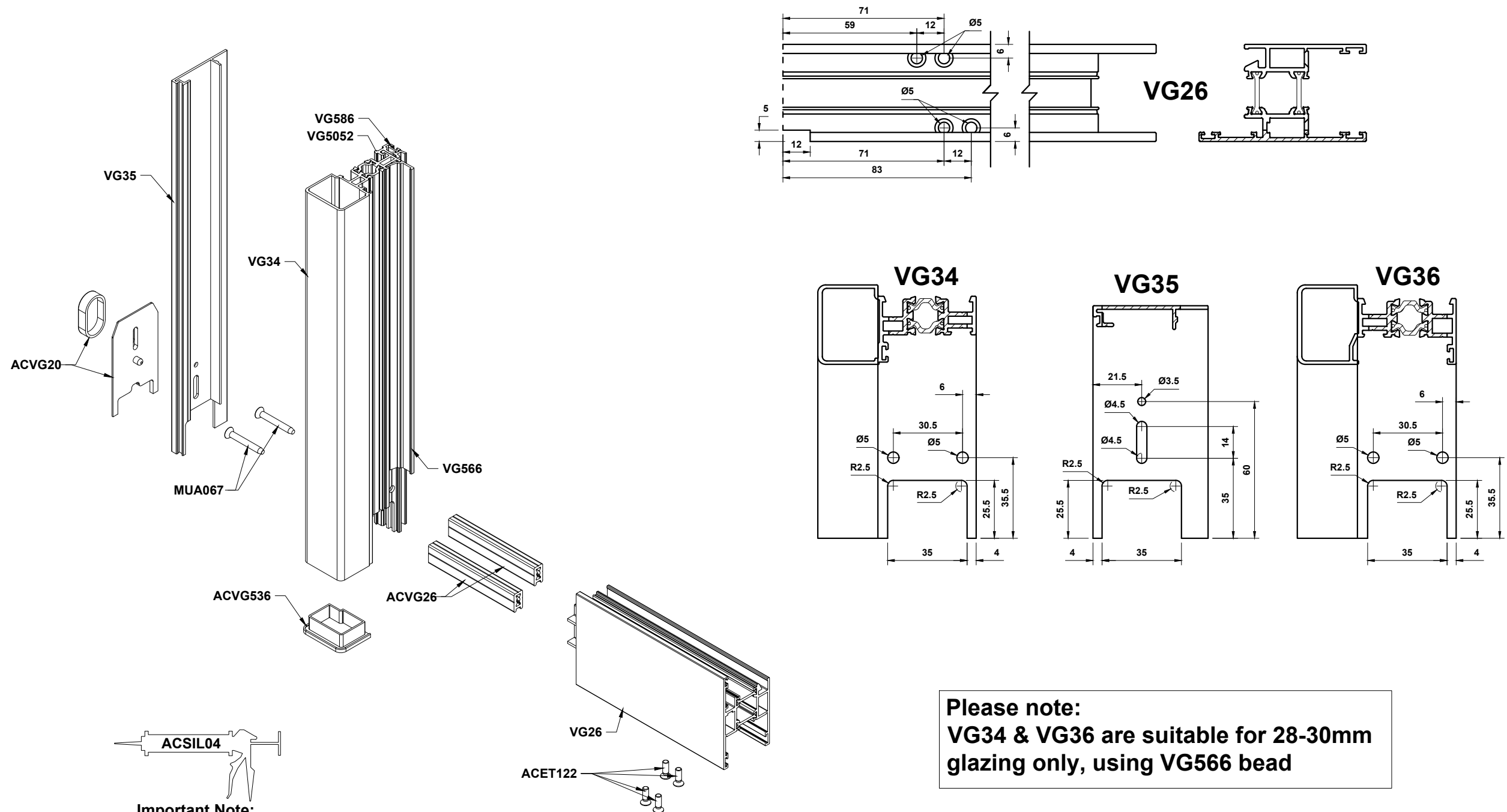


VG15
VG115



Do Not Scale From This Drawing

Interlock - Slim

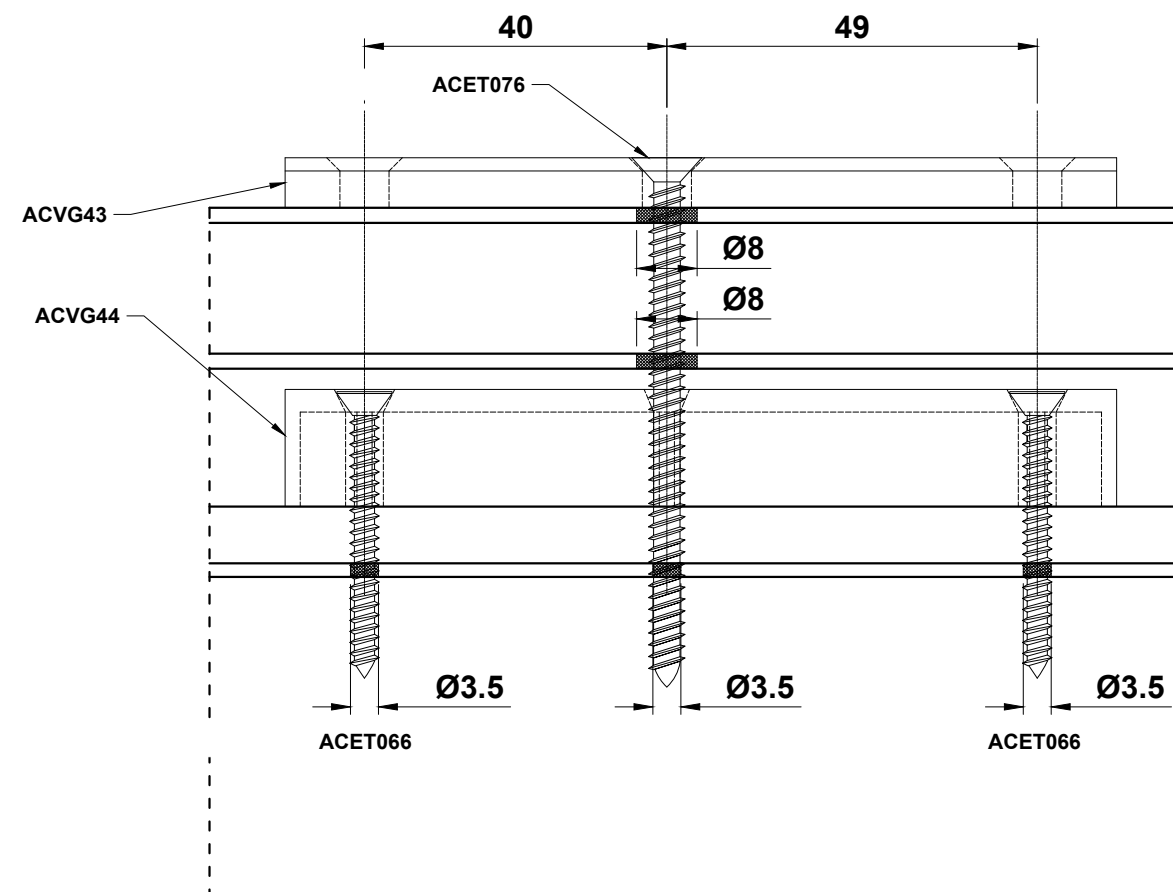
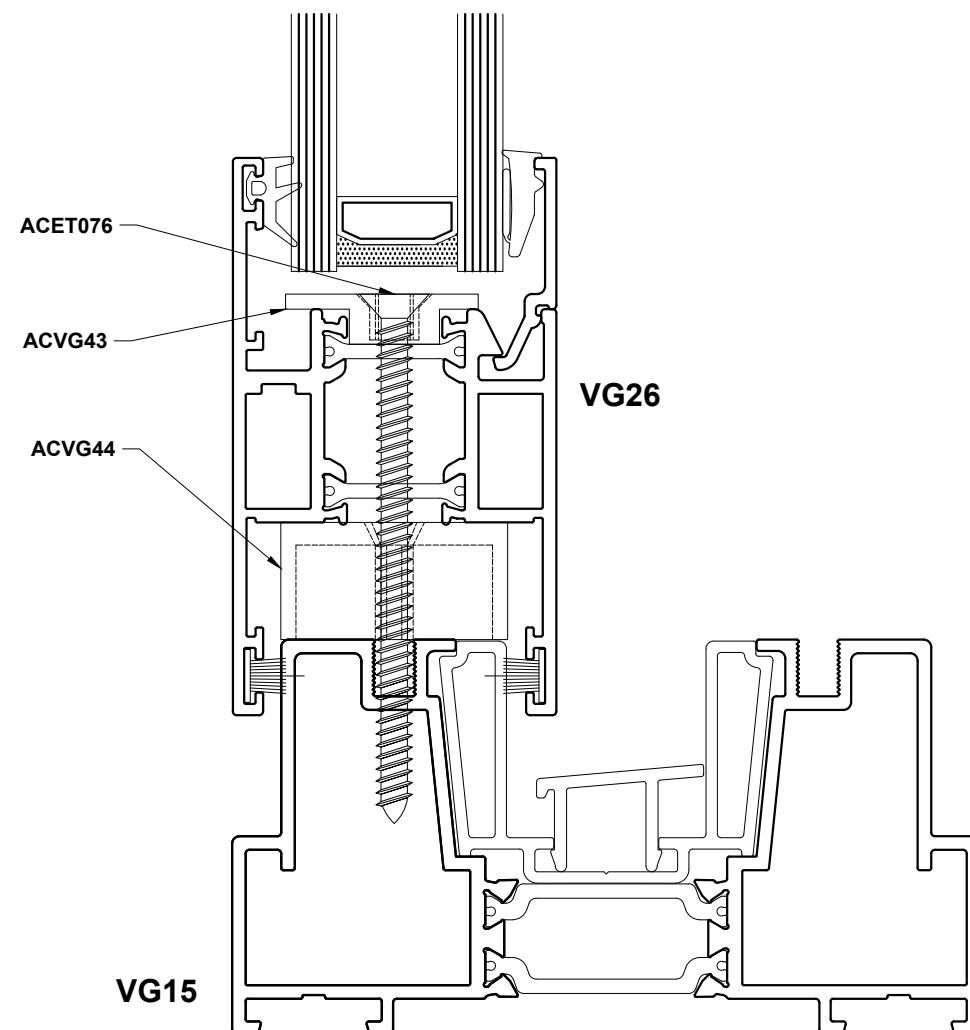


Important Note:
All joints must be adequately sealed using ACSIL04

Please note:
VG34 & VG36 are suitable for 28-30mm glazing only, using VG566 bead

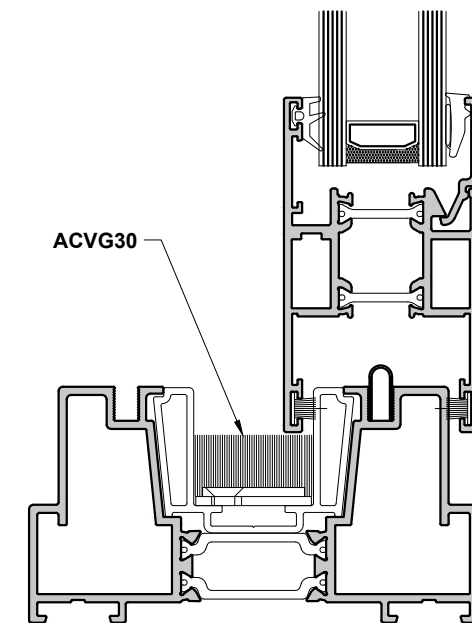
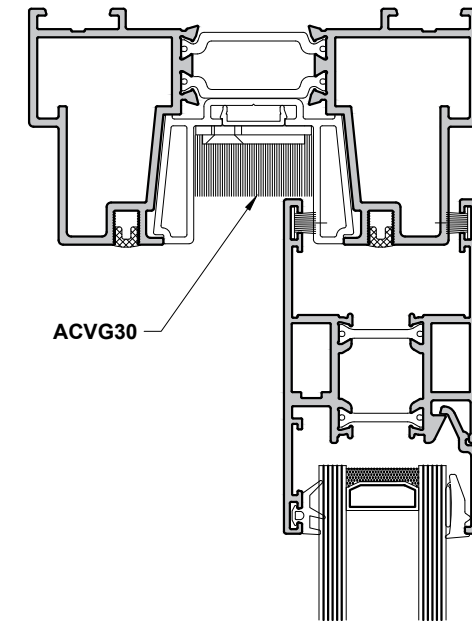
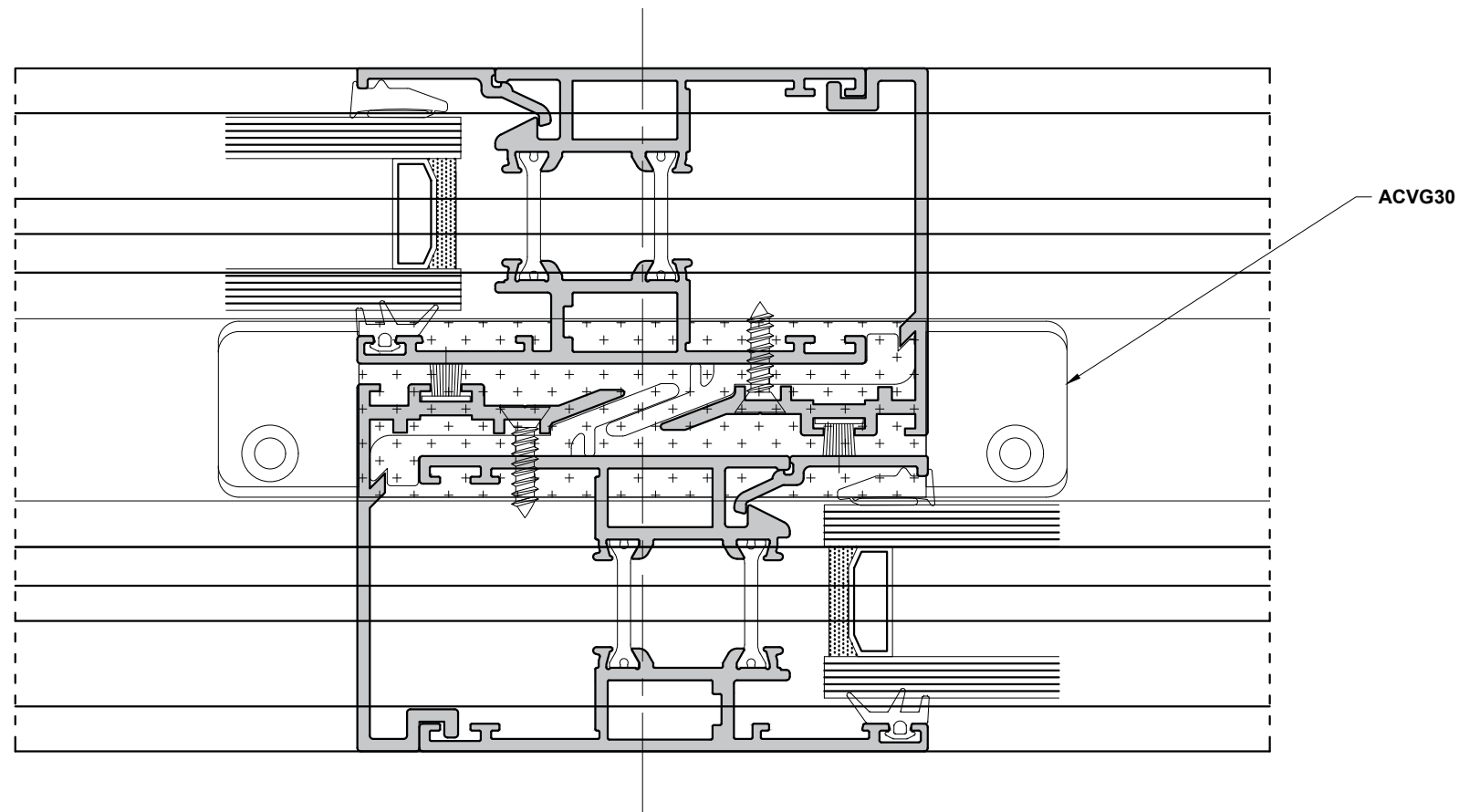
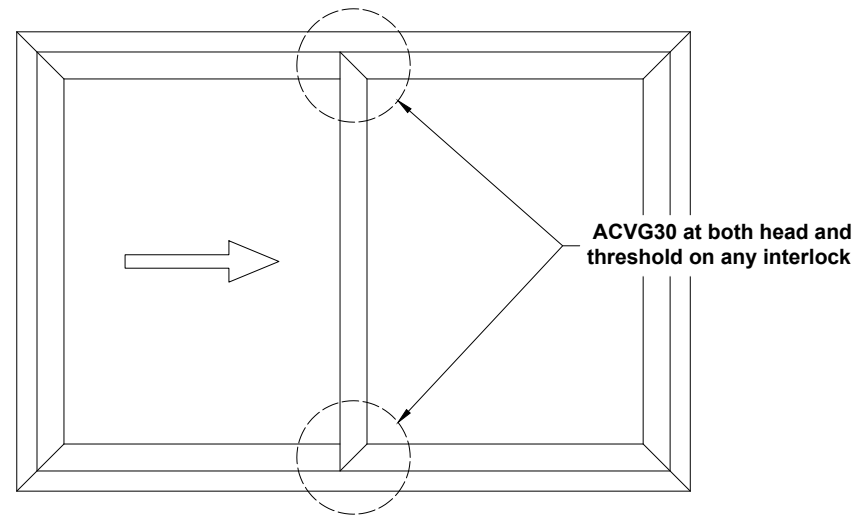
Do Not Scale From This Drawing

Fixed Sash



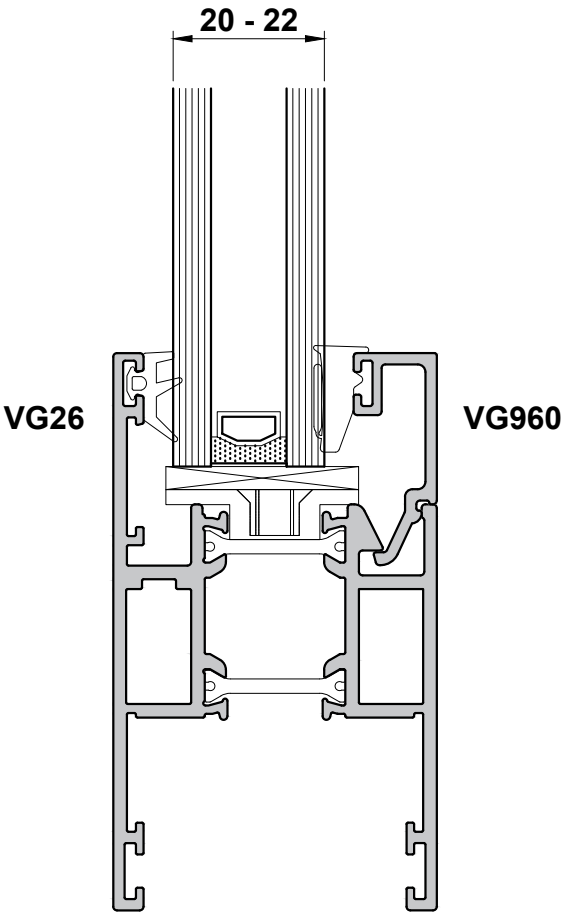
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ACVG30 Installation Location



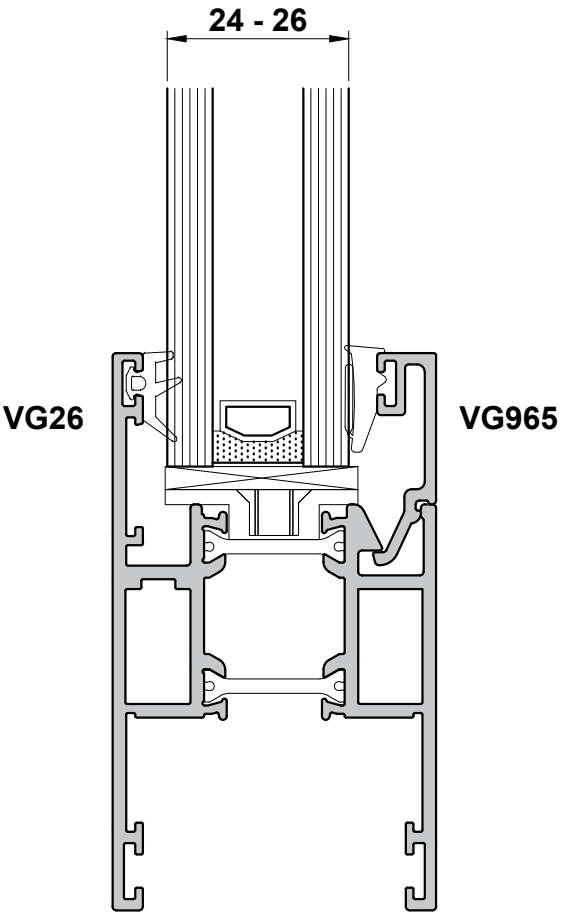
Glazing Chart

Glazing
20mm - 22mm



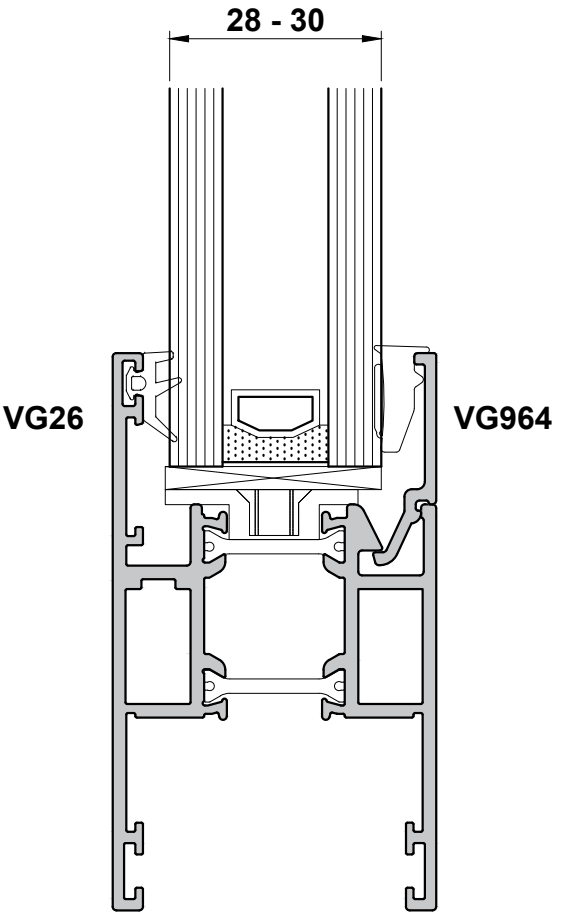
Glass Thickness	Glazing Bead	Retaining Gasket	Wedge Gasket
20mm	VG960	ACET841	ACET848
22mm	VG960	ACET842	ACET848

Glazing
24mm - 26mm



Glass Thickness	Glazing Bead	Retaining Gasket	Wedge Gasket
24mm	VG965	ACET841	ACW20038
25mm (24.8mm)	VG965	ACET841	ACW20038
26mm	VG965	ACET842	ACW20038

Glazing
28mm - 30mm

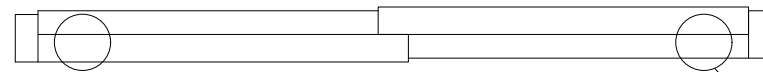
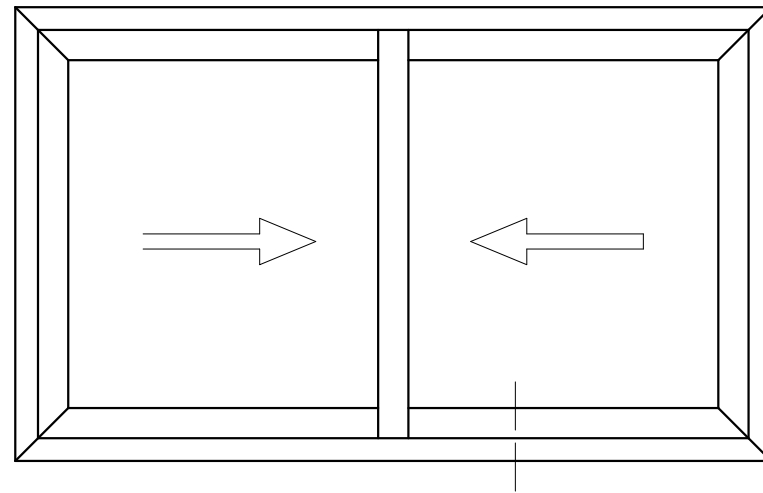


Glass Thickness	Glazing Bead	Retaining Gasket	Wedge Gasket
28mm	VG964	ACET841	ACET848
29mm (28.8mm)	VG964	ACET841	ACET848
30mm	VG964	ACET842	ACET848

Please note:
VG34 & VG36 are suitable for 28-30mm glazing only, using VG566 bead

Do Not Scale From This Drawing

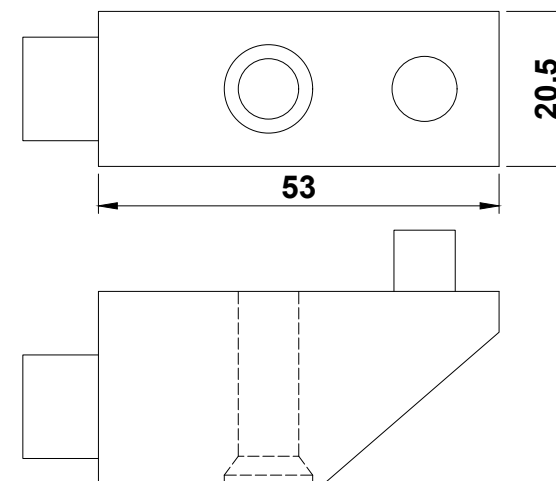
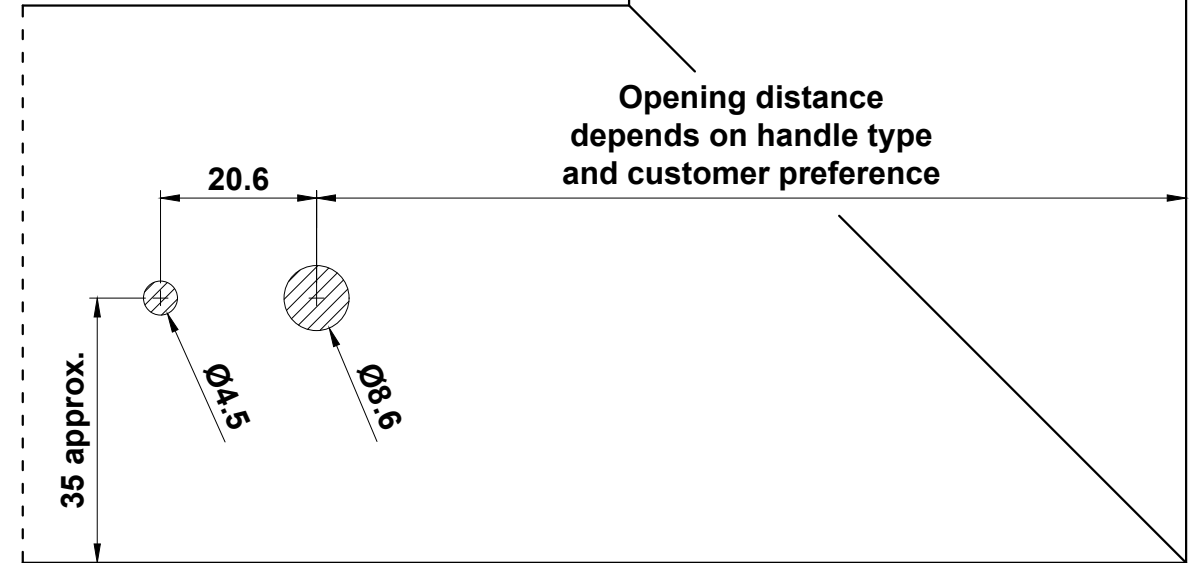
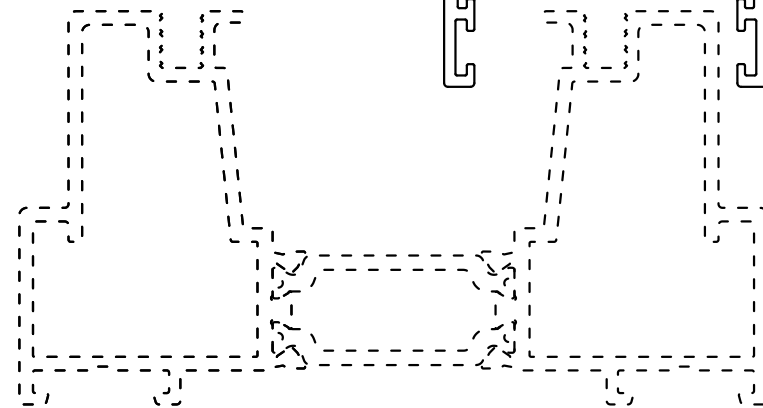
ACUN348 Buffer



ACUN348

ACUN348

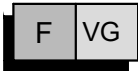
VG26



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Do Not Scale From This Drawing

Section F

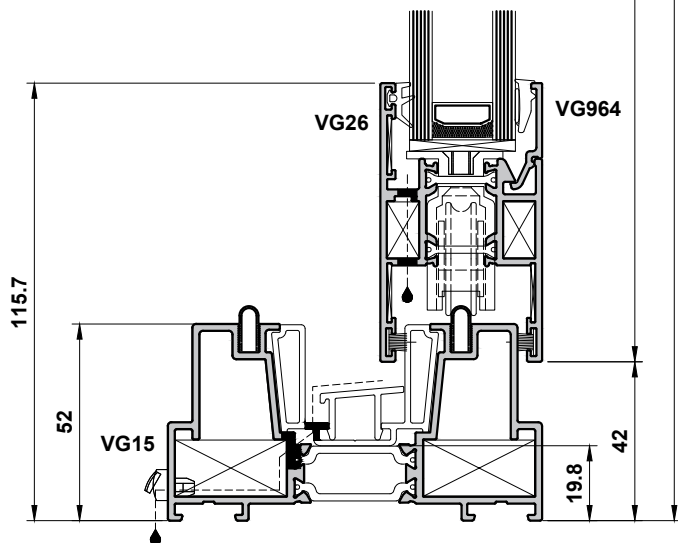
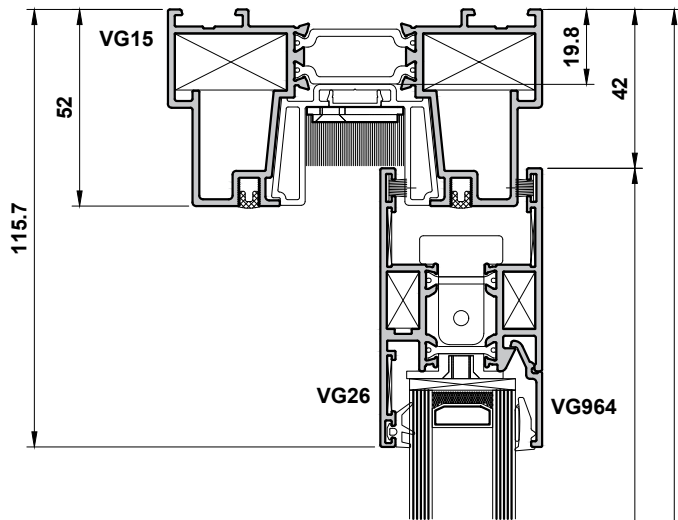


Sawing Tables

Sliding Doors..... F03 - F08

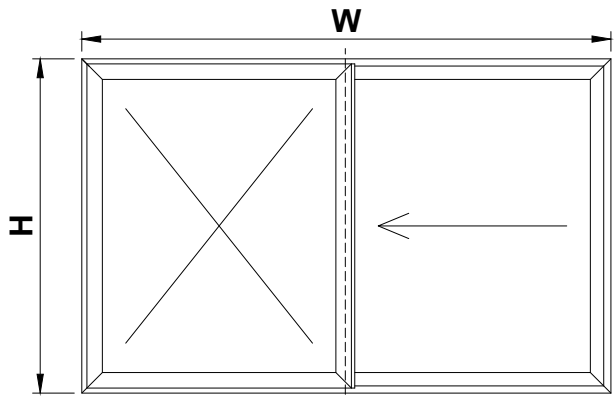
Section F

Cutting Information



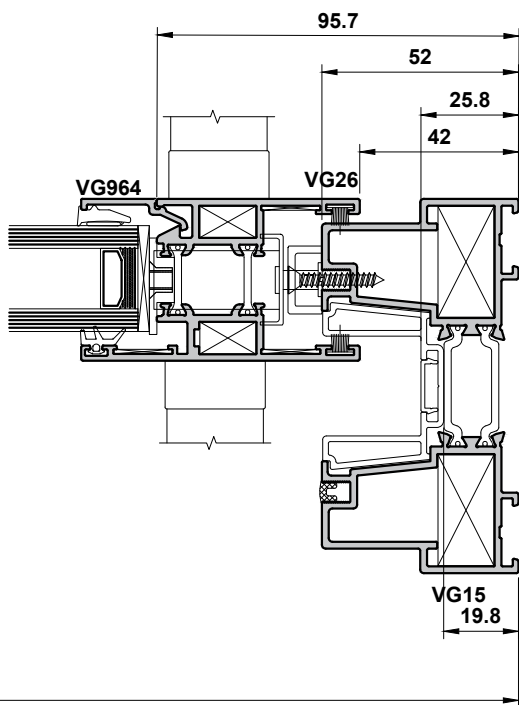
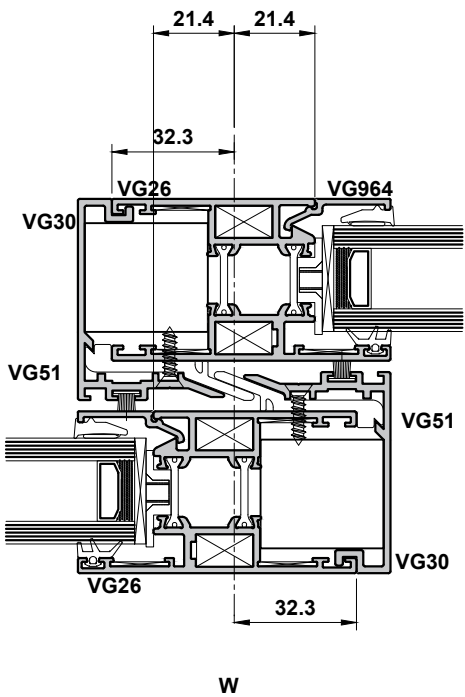
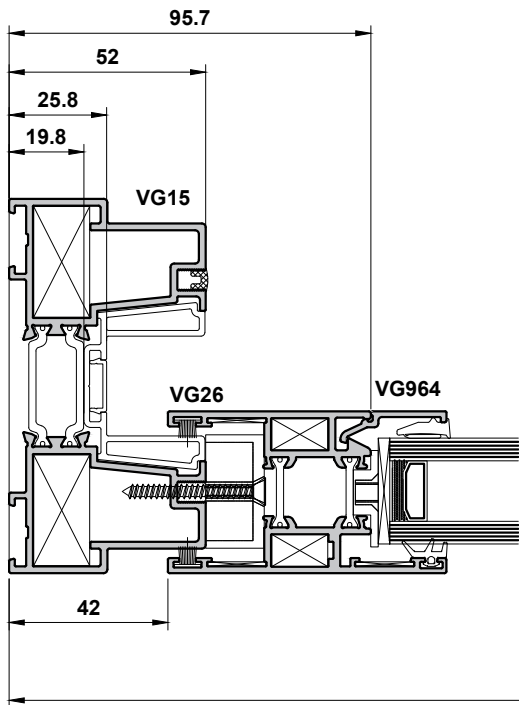
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VG15		2		H
VG26		4		W/2 - 9.5
VG26		4		H - 84
VG55		2		W - 39.6
VG55		2		H - 39.6
VG56		1		W - 51.6
VG30		2		H - 84
VG51		4		H - 84
VG53		1		W - 89
VG52		3		W - 105.2
VG52		2		H - 96.2
BEAD		8		W/2 - 117.1
BEAD		8		H - 231.4
PCX47		2		W
PCX47		2		H

Accessories		
Part #	Qty	Description
ACVG195	8	Mechanical Cleat
ACVG191	16	Mechanical Cleat
ACGSL045	/	Drainage Cover Cap
ACVL020	24	Sash Chevron
ACVG110	2	Roller
ACVG29	1	Anti-Lift Block
ACVG30	2	Interlock Seal
ACVG20	4	Interlock Cover Cap
ACVG44	8	Vent Support
ACUN348	2	Buffer
ACVG43	12	Bridge Packer
ACVG42	4W + 6H	Woolpile
ACVG562	/	Interlock Foam
Gasket	2W + 4H	E Gasket
Gasket	2W + 4H	Wedge Gasket



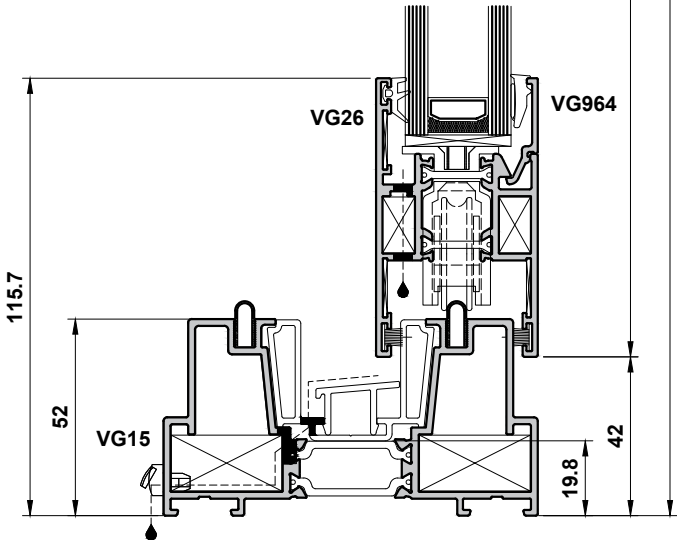
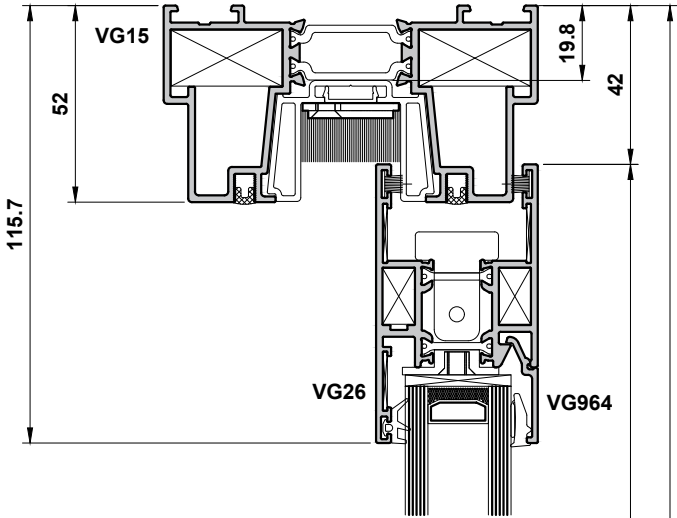
IMPORTANT NOTE
Maximum Sliding Sash Weight: 200kg

Glass		
Qty	Width	Height
2	W/2 - 127.1	H - 201

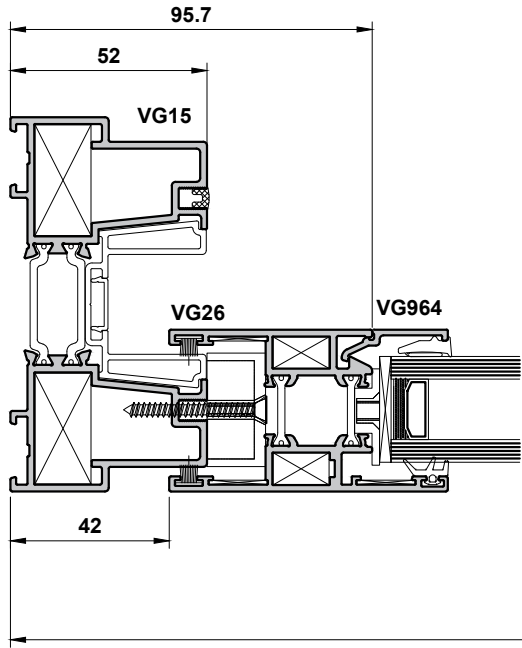


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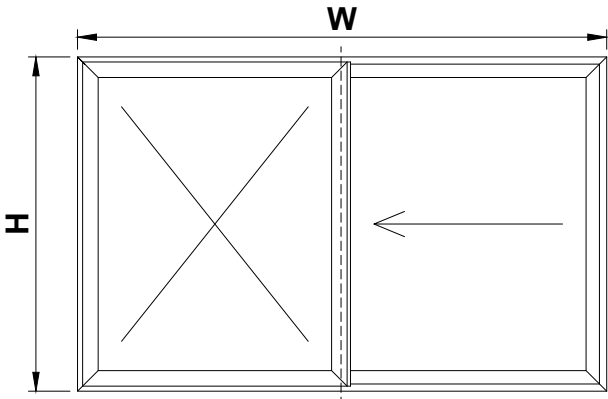
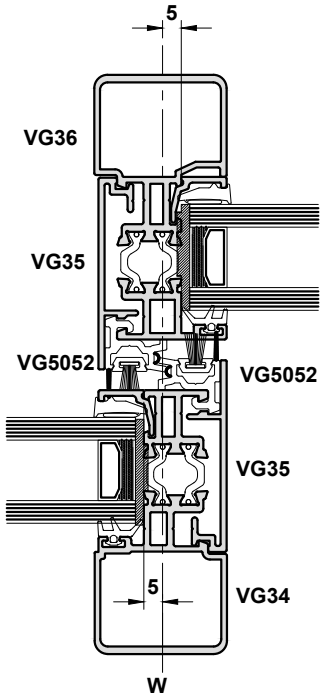
Cutting Information



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VG55		2		W - 39.6
VG55		2		H - 39.6
VG56		1		W - 51.6
VG34		1		H - 84
VG35		2		H - 84
VG36		1		H - 84
VG5052		2		H - 84
VG586		2		H - 84
VG53		1		W - 89
VG52		3		W - 105
VG52		2		H - 96
BEAD		8		W/2 - 100.5
BEAD		8		H - 231.5
PCX47		2		W
PCX47		2		H

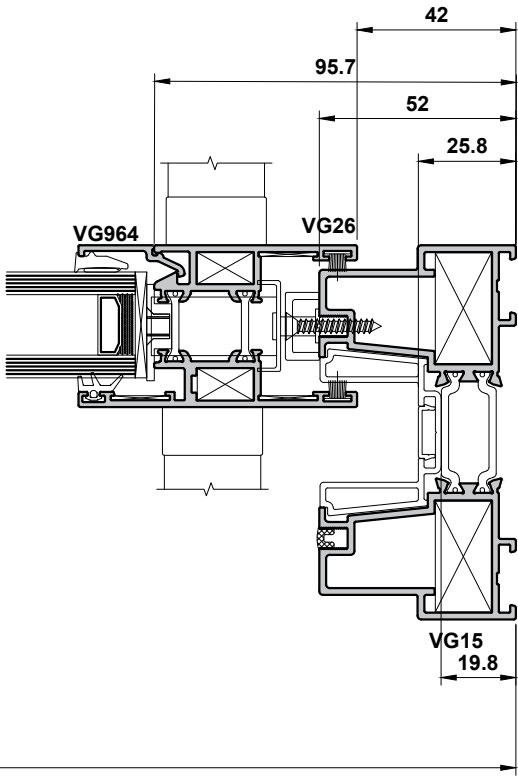


Accessories		
Part #	Qty	Description
ACVG195	8	Mechanical Cleat
ACVG191	8	Mechanical Cleat
ACVG26	8	Slim Interlock Bracket
ACGSL045	/	Drainage Cover Cap
ACVL020	12	Sash Chevron
ACVG110	2	Roller
ACVG29	1	Anti-Lift Block
ACVG30	2	Interlock Seal
ACVG536	2 pair	Interlock Cover Cap
ACVG44	8	Vent Support
ACUN348	2	Buffer
ACVG43	12	Bridge Packer
ACVG42	4W + 4H	Woolpile
ACVS033	4H	Interlock Woolpile
ACVG562	/	Interlock Foam
Gasket	2W + 4H	E Gasket
Gasket	2W + 4H	Wedge Gasket



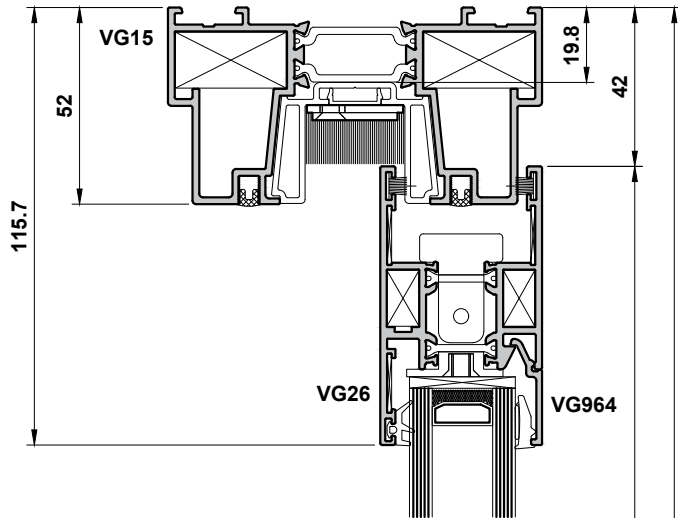
IMPORTANT NOTE
Maximum Sliding Sash Weight: 200kg

Glass		
Qty	Width	Height
2	W/2 - 107.9	H - 201



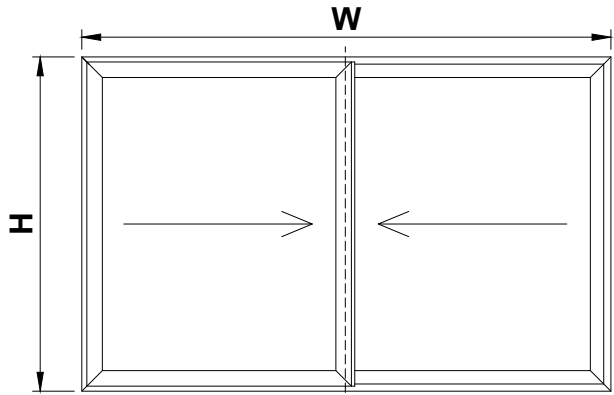
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Cutting Information



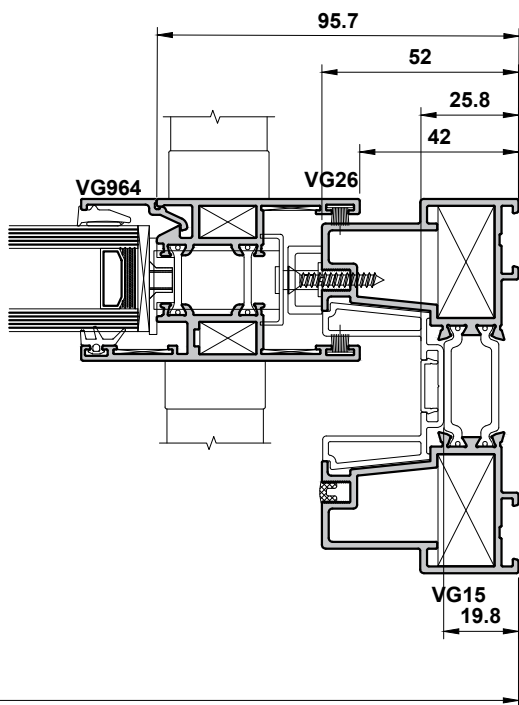
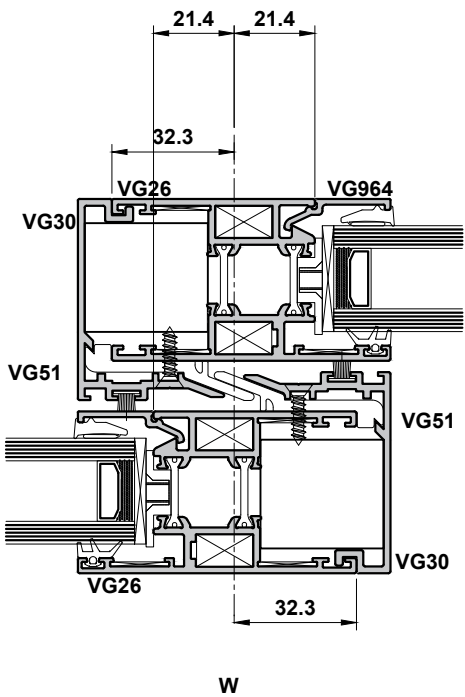
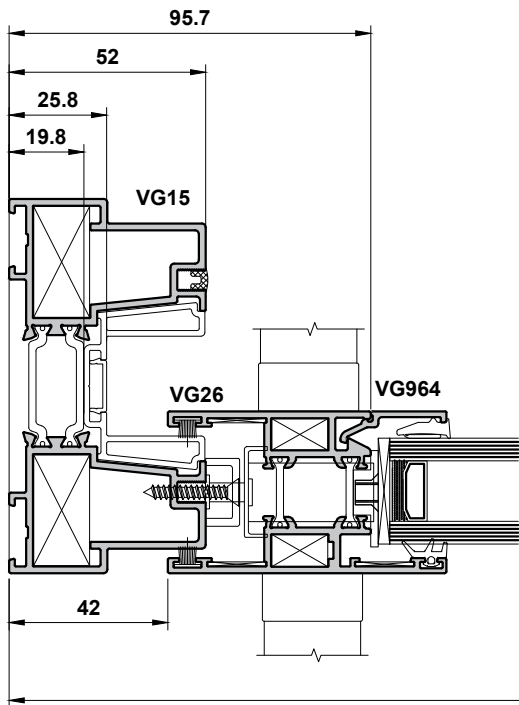
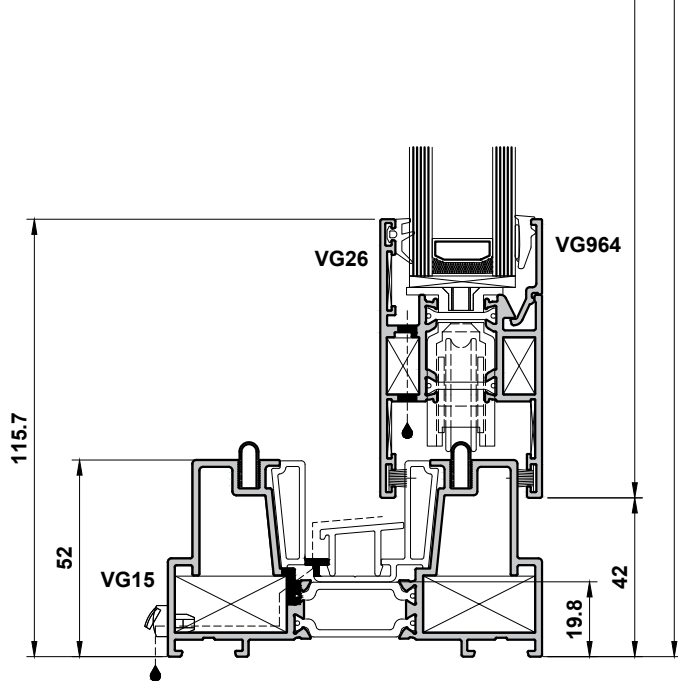
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VG26		4		H - 84
VG55		2		W - 39.6
VG55		2		H - 39.6
VG56		1		W - 51.6
VG30		2		H - 84
VG51		4		H - 84
VG53		1		W - 89
VG52		3		W - 105.2
VG52		2		H - 96.2
BEAD		8		W/2 - 117.1
BEAD		8		H - 231.4
PCX47		2		W
PCX47		2		H

Accessories		
Part #	Qty	Description
ACVG195	8	Mechanical Cleat
ACVG191	16	Mechanical Cleat
ACGSL045	/	Drainage Cover Cap
ACVL020	24	Sash Chevron
ACVG110	4	Roller
ACVG29	2	Anti-Lift Block
ACVG30	2	Interlock Seal
ACVG20	4	Interlock Cover Cap
ACUN348	2	Buffer
ACVG43	12	Bridge Packer
ACVG42	4W + 6H	Woolpile
ACVG562	/	Interlock Foam
Gasket	2W + 4H	E Gasket
Gasket	2W + 4H	Wedge Gasket



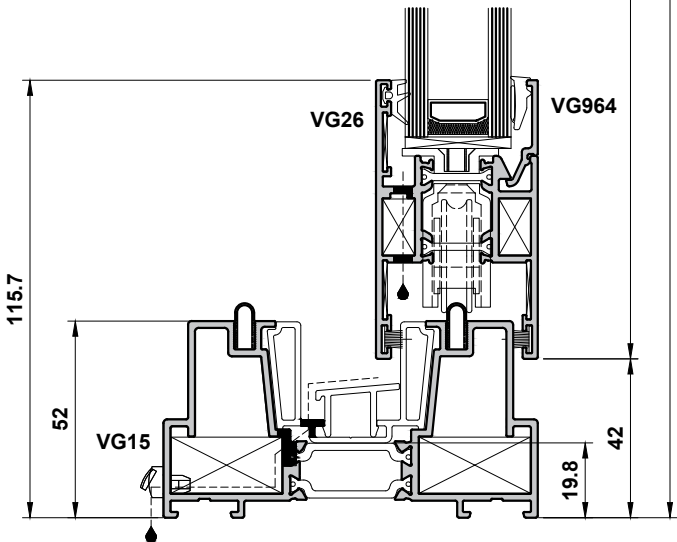
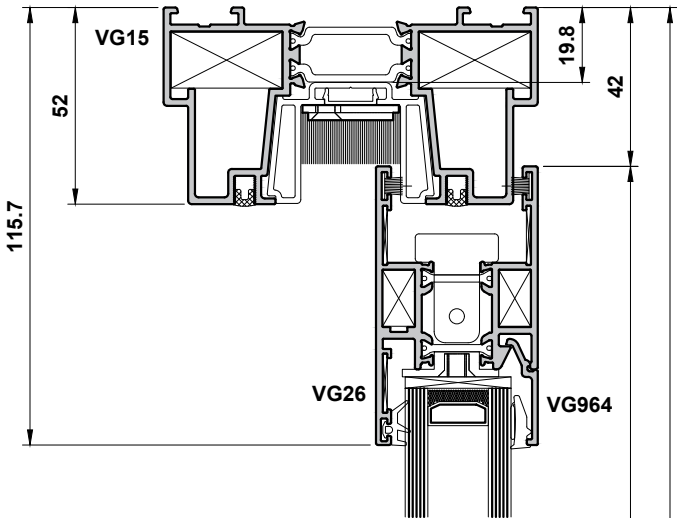
IMPORTANT NOTE
Maximum Sliding Sash Weight: 200kg

Glass		
Qty	Width	Height
2	W/2 - 127.1	H - 201

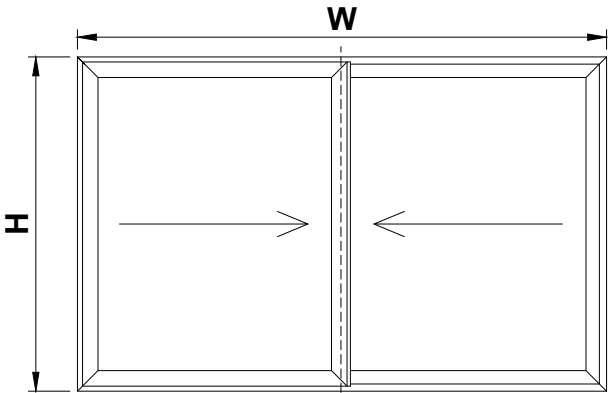
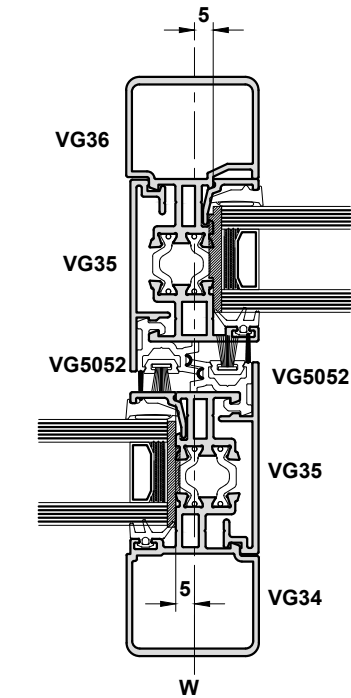
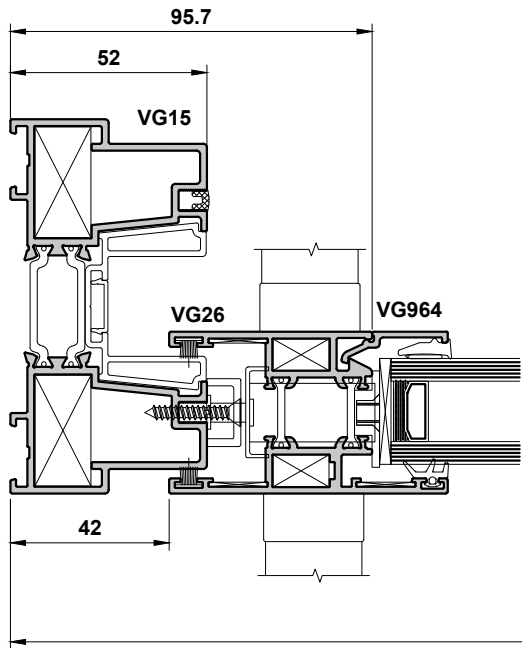


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Cutting Information

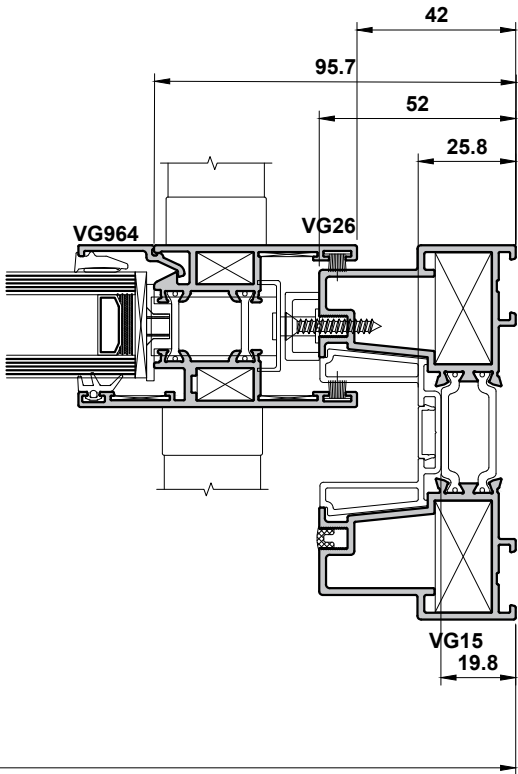


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VG26		2		W/2 - 47
VG26		4		H - 84
VG55		2		W - 39.6
VG55		2		H - 39.6
VG56		1		W - 51.6
VG34		1		H - 84
VG35		2		H - 84
VG36		1		H - 84
VG5052		2		H - 84
VG586		2		H - 84
VG53		1		W - 89
VG52		3		W - 105.2
VG52		2		H - 96.2
BEAD		8		W/2 - 100.7
BEAD		8		H - 231.4
PCX47		2		W
PCX47		2		H



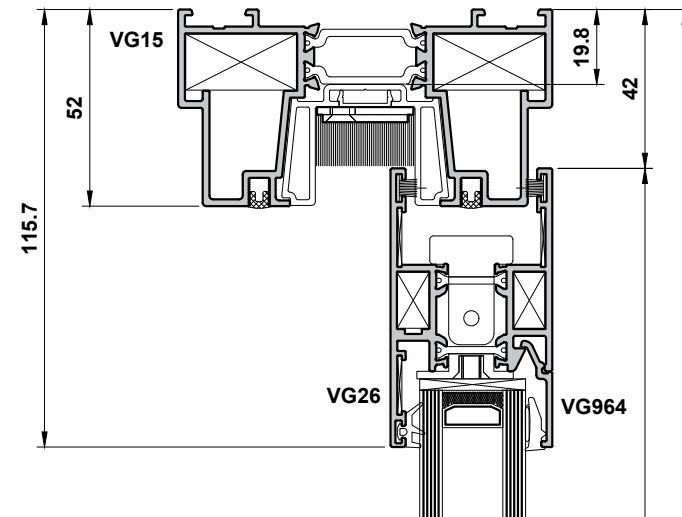
IMPORTANT NOTE
Maximum Sliding Sash Weight: 200kg

Glass		
Qty	Width	Height
2	W/2 - 107.9	H - 201



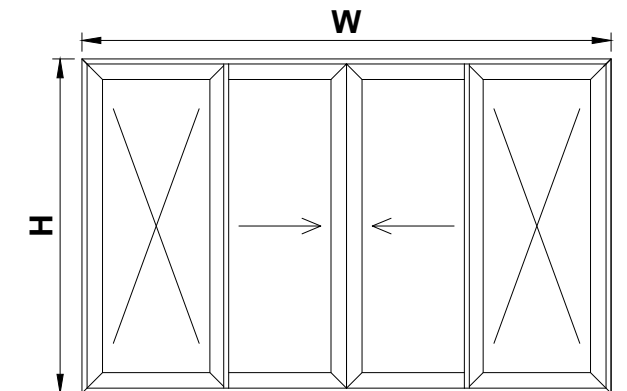
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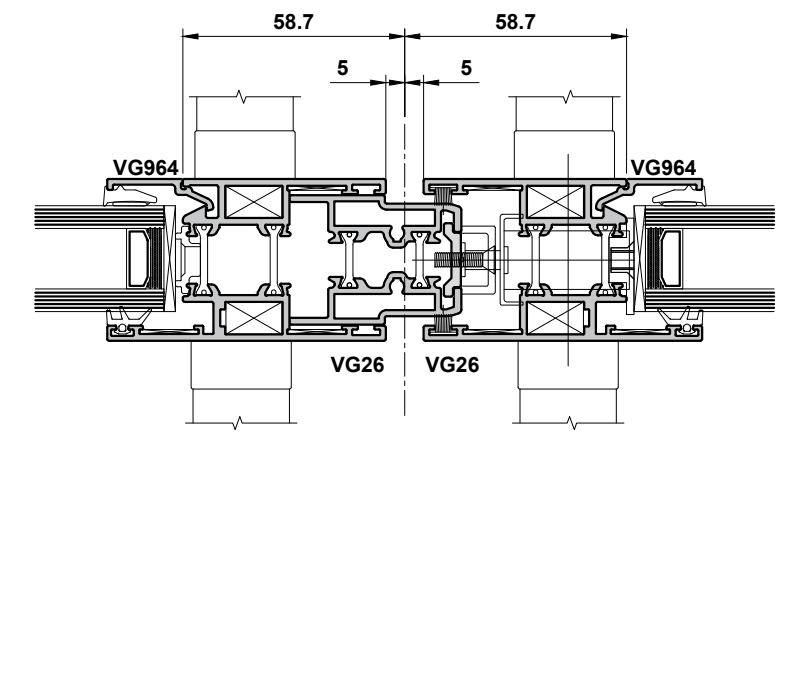
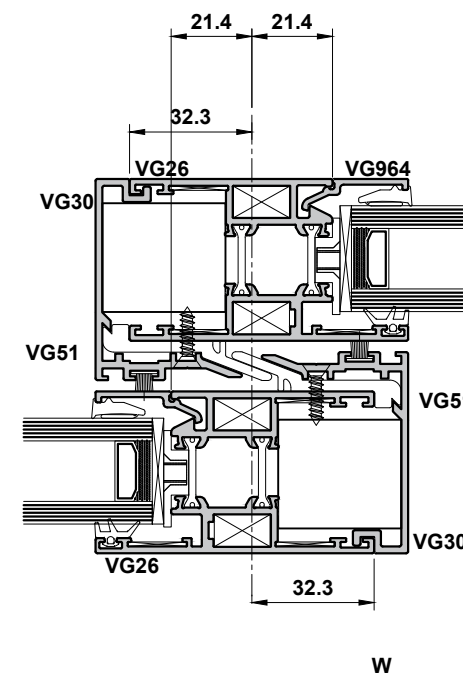
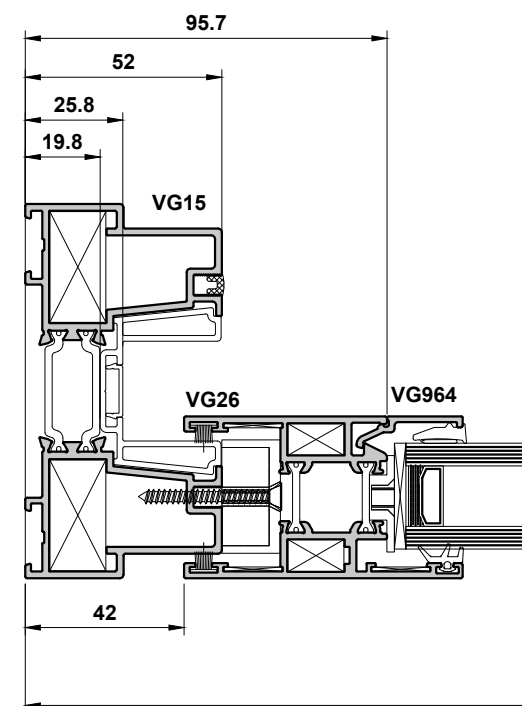
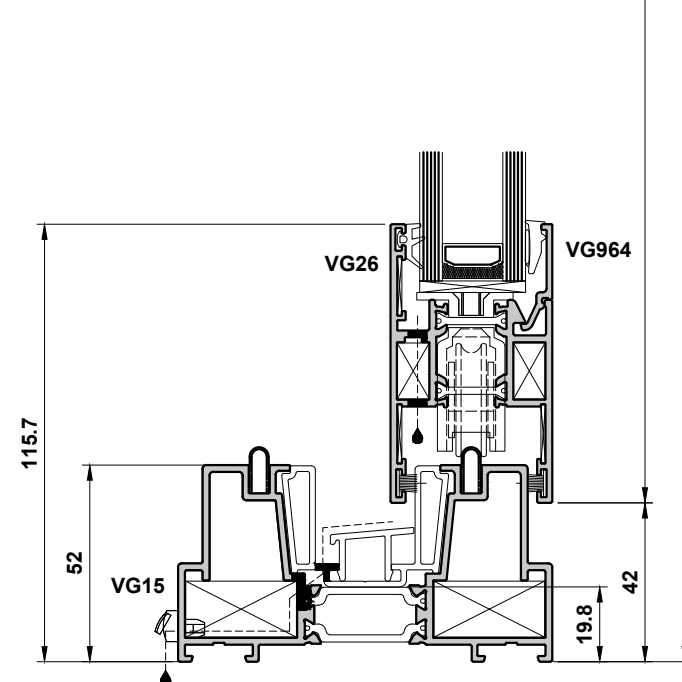
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VG26		8		H - 84
VG21		1		H - 114
VG55		2		W - 39.6
VG55		2		H - 39.6
VG56		1		W - 51.6
VG30		4		H - 84
VG51		4		H - 84
VG53		1		W - 89
VG52		3		W - 105.2
VG52		2		H - 96.2
BEAD		8		W/4 - 98.6
BEAD		8		H - 231.4
PCX47		2		W
PCX47		2		H

Accessories		
Part #	Qty	Description
ACVG195	8	Mechanical Cleat
ACVG191	32	Mechanical Cleat
ACGSL045	/	Drainage Cover Cap
ACVL020	48	Sash Chevron
ACVG110	4	Roller
ACVG29	2	Anti-Lift Block
ACVG30	4	Interlock Seal
ACVG20	8	Interlock Cover Cap
ACVG44	16	Vent Support
ACUN348	4	Buffer
ACVG43	24	Bridge Packer
ACVG42	4W + 10H	Woolpile
ACVG562	4 Sets	Interlock Foam
ACDV523	/	Meeting Stile Fixing
Gasket	2W + 8H	E Gasket
Gasket	2W + 8H	Wedge Gasket



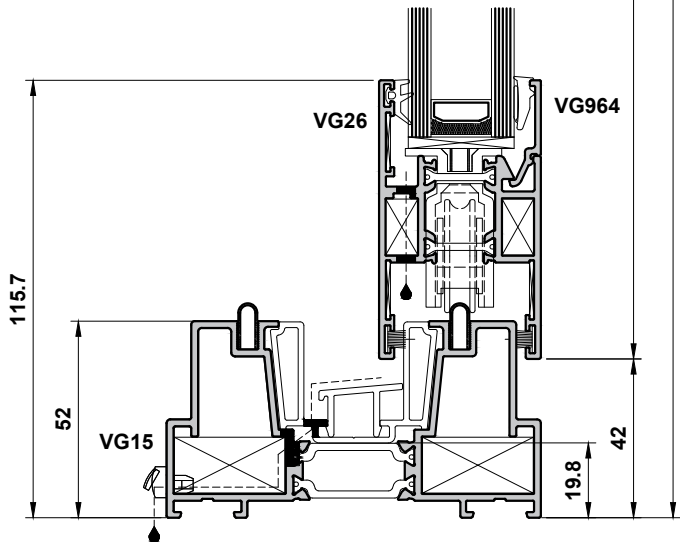
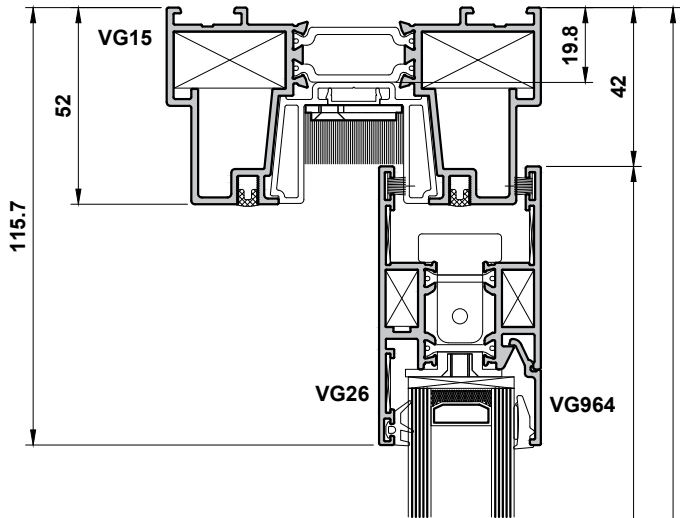
IMPORTANT NOTE
Maximum Sliding Sash Weight: 200kg

Glass		
Qty	Width	Height
4	W/4 - 108.5	H - 201.4

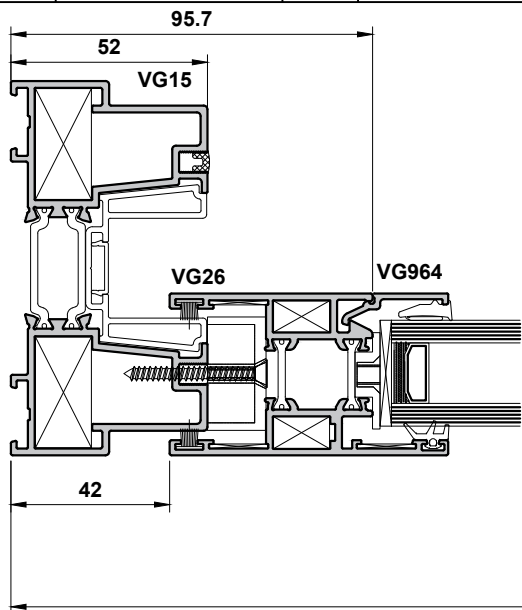


Do Not Scale From This Drawing

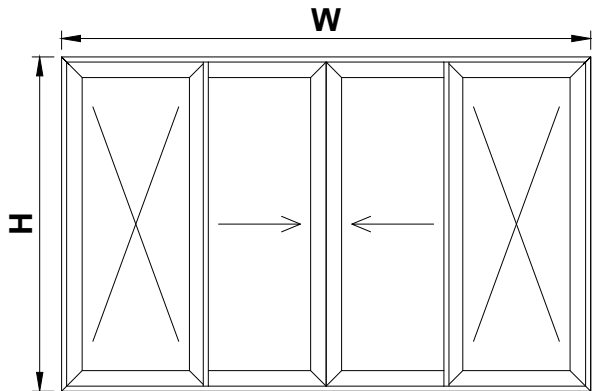
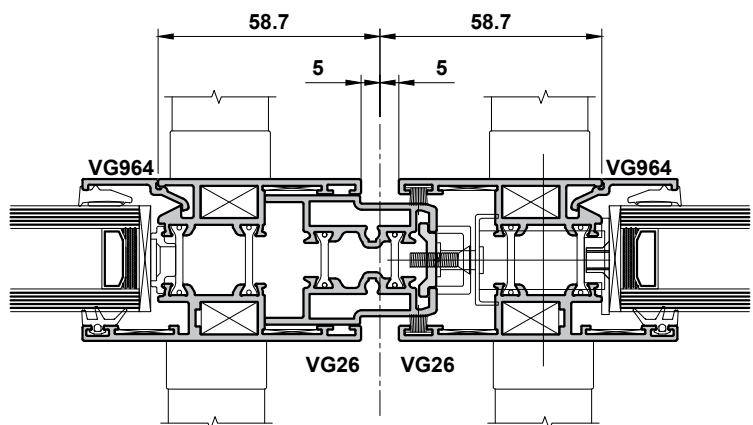
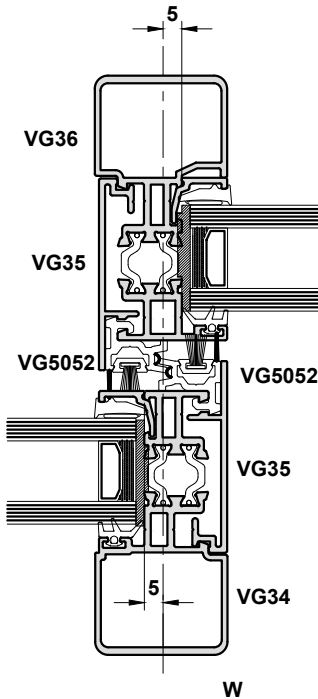
Cutting Information



Profiles				
Profile	Image	Qty	Prep	Deduction
VG15		2		W
VG15		2		H
VG26		4		W/4 - 28.5
VG26		4		W/4 - 28.5
VG26		4		H - 84
VG34		2		H - 84
VG36		2		H - 84
VG35		4		H - 84
VG5052		4		H - 84
VG568		4		H - 84
VG21		1		H - 114
VG55		2		W - 39.6
VG55		2		H - 39.6
VG56		1		W - 51.6
VG53		1		W - 89
VG52		3		W - 105.2
VG52		2		H - 96.2
BEAD		8		W/4 - 82.2
BEAD		8		H - 231.4
PCX47		2		W
PCX47		2		H



Accessories		
Part #	Qty	Description
ACVG195	8	Mechanical Cleat
ACVG191	16	Mechanical Cleat
ACVG26	16	Slim Interlock Bracket
ACGSL045	/	Drainage Cover Cap
ACVL020	24	Sash Chevron
ACVG110	4	Roller
ACVG29	2	Anti-Lift Block
ACVG30	4	Interlock Seal
ACVG20	8	Interlock Cover Cap
ACVG44	16	Vent Support
ACVG536	4 pairs	Slim Interlock Endcaps
ACUN348	4	Buffer
ACVG43	24	Bridge Packer
ACVG42	4W + 6H	Woolpile
ACVS033	4H	Interlock Woolpile
ACDV523	/	Meeting Stile Fixing
Gasket	2W + 8H	E Gasket
Gasket	2W + 8H	Wedge Gasket



IMPORTANT NOTE
Maximum Sliding Sash Weight: 200kg

Glass		
Qty	Width	Height
4	W/4 - 89.4	H - 201.4

Do Not Scale From This Drawing