

Main Index

GSL	Index	Index	Page 01
Profiles			
A	GSL	Specification Pages	Page A02-06
		Technical Information	Page A07-09
		Scale Profile Drawings	Page A10-18
Accessories			
B	GSL	Photos & Drawings	Page B01-14
Sections			
C	GSL	Scale Elevations	Page C01-15
Statics			
D	GSL		Page D01
Construction Drawings			
E	GSL	1 - Outer Frame Assembly.....	Page E02
		2 - Punch Tooling	Page E03-04
		3 - Interlock Preparation	Page E05-06
		4 - Drainage.....	Page E07
		5 - Lock Preparation	Page E08
		6 - Roller Preparation	Page E09
		7 - Mid-Rail Preparation	Page E10
		8 - Sash Assembly	Page E11-14
		9 - Meeting Stile Preparation	Page E15
		10 - Fixed Sash Installation.....	Page E16
Sawing Tables			
F	GSL	Cutting Information	Page F01-03

Specification

GENERAL DESCRIPTION

The Slide Mono Rail system is suitable for patio doors which can be installed into timber sub frames or directly into traditional apertures and achieves excellent U values inline with the Building Regulations.

The system is suitable for replacement doors in existing buildings and for installation into new buildings.

Slide Mono Rail uses a multi-point lock which locates into a stainless steel one piece keep.

Assembly of the outer frame is with screw fixings through the head & cill into the jambs & sashes are screwed together around the glass and gasket.

RECOMMENDED DESIGN LIMITATIONS

Maximum Sash Weight:	100kg
Maximum Sash Height:	2100mm
Minimum Sash Height:	1000mm
Maximum Sash Width:	Providing sashes are within the above limitations there is no maximum width

Specification

PROFILE SPECIFICATION

The frames are 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 frames are made by cutting the head, cill and top of jamb profiles with accurate 90° square ends and by cutting the bottom of the jambs to an accurate 85° angle using Tungsten Carbide Tipped Saw Blades, operating at approximately 3000 rpm.

The joints are made by drilling a Ø5.5mm hole in the 'V' groove of the head & cill and screwed together using PUA028 screws as shown in section E of this manual. All joints should be sealed using ACSIL04 sealant.

The sash joints are made using self tapping stainless steel screws. The holes for which can be made using the relevant punch tooling shown in section E of this manual.

All sash members are built around the glazing and gasket.

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. Warranties and performance may also be affected.

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 MANUFACTURING INFORMATION

Outer frames are made by cutting the head, cill and top of jamb profiles with accurate 90° square ends and by cutting the bottom of the jambs to an accurate 85° angle, measured to the longest point of the metal.

Corners are formed by coating the cut faces to be joined with small gap sealant ACSIL04. The two ends are then brought together and fixed using a stainless steel self-tapper - PUA028 screws are shown in this manual. 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.

VENTS

The glazing gasket should be wrapped around the unit and finished with a neat butt joint to the middle at the top of the unit. The joint should then be glued using a fast-acting sealant.

Horizontal rails are coated with sealant ACSIL04 and tapped into position on the double glazed unit using a rubber mallet to avoid distorting the profile. Vertical profiles are then tapped into position using the same method. Any excess sealant should then be carefully removed.

The joints are made using self tapping stainless steel screws. The holes for which can be made using the relevant punch tooling shown in section E of this manual.

Specification

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

Glass is secured in position using a wrap around gasket with the vent profiles assembled around the unit.

Glazing can be 24mm, 28mm or 32mm by selecting the relevant gasket.

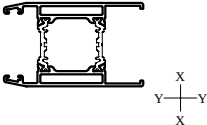
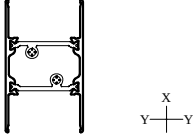
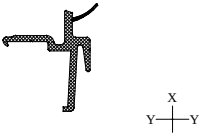
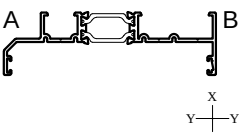
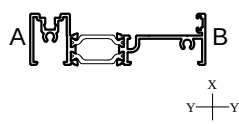
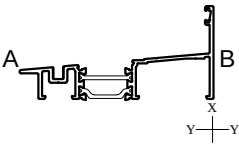
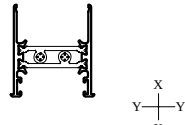
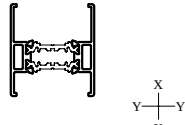
Slide Mono Rail Weather Performance (BS6375-1)

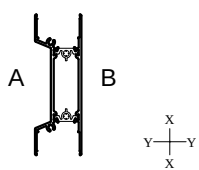
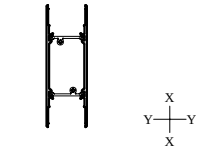
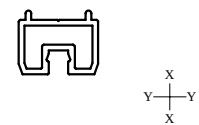
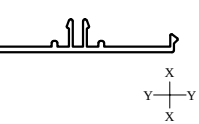
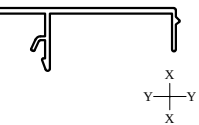
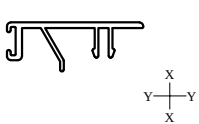
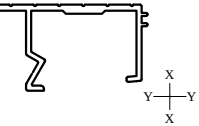
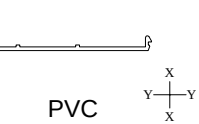
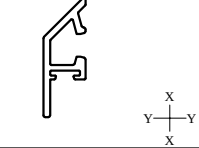
BS EN 1026: 2000 Air Permeability:	TBA
BS EN 1027: 2000 Watertightness:	TBA
BS EN 12211: 2000 Resistance to Wind Load:	TBA

Slide Mono Rail U Values

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

Specification

Number	Picture	Page	Perim. mm	Mec. mm	Ix(cm4) wx(cm3)	Iy(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
GSL022		A10	418	160	15.88 ----- 7.20	15.92 ----- 4.13	6.5	1	X	X	X	X	X
GSL030		A10	349	145	10.85 ----- 5.30	9.23 ----- 2.64	6.5	1	X	X	X	X	X
GSL040		A11	228	84	2.70 ----- 1.67	1.68 ----- 0.93	6.5	1	X	X	X	X	X
GSL053		A11	-	-	- ----- -	- ----- -	6.5	1	X				
GSL1110		A12	464	91	55.46 ----- 9.45	2.32 ----- 1.19	6.5	1	X	X	X	X	X
GSL1111		A12	478	70	43.47 ----- 8.74	2.09 ----- 1.53	6.5	1	X	X	X	X	X
GSL1112		A12	459	107	51.54 ----- 8.92	5.11 ----- 3.09	6.5	1	X	X	X	X	X
GSL1120		A13	292	114	8.56 ----- 3.86	3.78 ----- 1.8	6.5	1	X	X	X	X	X
GSL1121		A13	289	108	10.27 ----- 4.66	4.00 ----- 1.79	6.5	1	X	X	X	X	X
					A = Outside B = Inside			GOZ = Gold W = White Z = Black			MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		

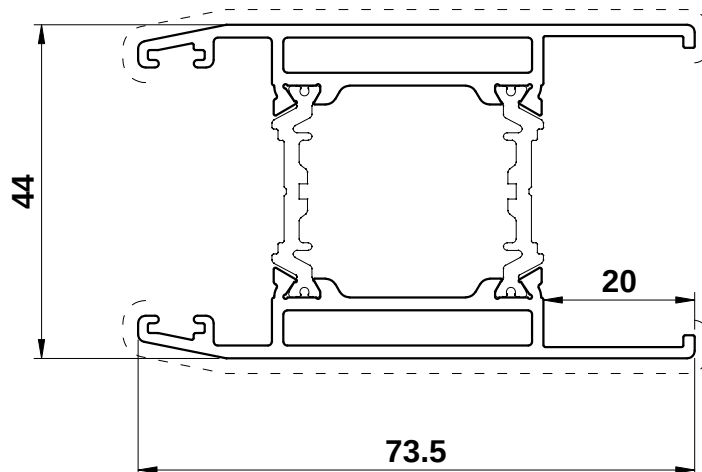
Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
GSL1130		A14	653	271	14.39 ----- 6.03	69.88 ----- 11.27	6.5	1	X	X	X	X	X
GSL1131		A14	570	253	23.79 ----- 11.63	80.58 ----- 13.00	6.5	1	X	X	X	X	X
GSL1140		A15	91	44	- ----- -	- ----- -	6.5	1	X	X	X	X	
GSL1141		A15	171	70	- ----- -	- ----- -	6.5	1	X	X	X	X	
GSL1142		A15	193	74	- ----- -	- ----- -	6.5	1	X	X	X	X	
GSL1143		A15	156	57	- ----- -	- ----- -	6.5	1	X	X	X	X	
GSL1144		A15	260	73	- ----- -	- ----- -	6.5	1	X	X	X	X	
GSL1145		A16	-	-	- ----- -	- ----- -	6.5	1	X				
GSL1146		A16	116	39	- ----- -	- ----- -	6.5	1	X	X	X	X	
					A = Outside B = Inside		GOZ = Gold W = White Z = Black		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
GSL1147		A16	95	58	- ----- -	- ----- -	6.5	1	X	X	X	X	
GSL1148		A16	296	78	- ----- -	- ----- -	6.5	1	X	X	X	X	
GSL1155		A17	381	71	48.1 ----- 10.13	7.4 ----- 4.22	6.5	1	X	X	X	X	X
GSL1330		A18	170	83	38.86 ----- 7.38	7.38 ----- 3.83	6.5	1	X	X	X	X	
GSL1335		A18	215	127	16.63 ----- 3.66	5.22 ----- 3.83	6.5	1	X	X	X	X	
GSL310		A18	248	162	3.79 ----- 1.39	1.48 ----- 0.59	6.5	1	X	X	X	X	
EF423		A12	-	-	- ----- -	- ----- -	7	1	X				
VG52		A19	-	-	- ----- -	- ----- -	6.5	1	X				
VG53		A19	-	-	- ----- -	- ----- -	6.5	1	X				
					A = Outside B = Inside		GOZ = Gold W = White Z = Black		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				

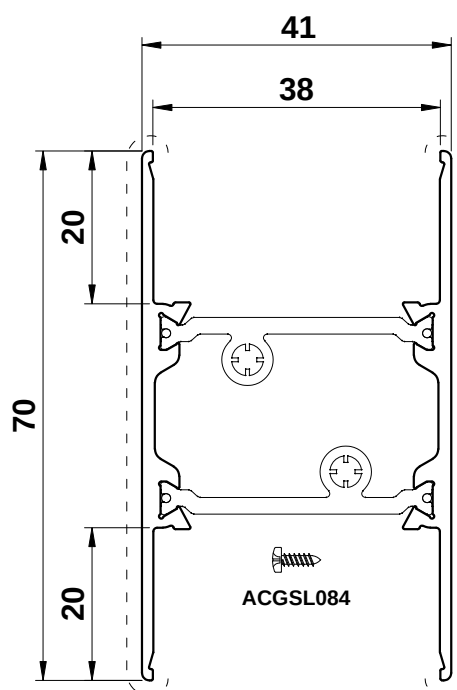
Primary Visible Side

Secondary Visible Side

GSL022 Locking Stile Section



GSL030 Mid Rail

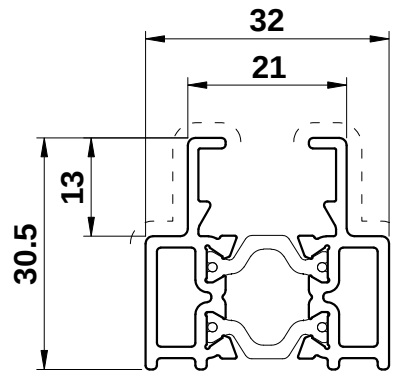


Scale 1:1

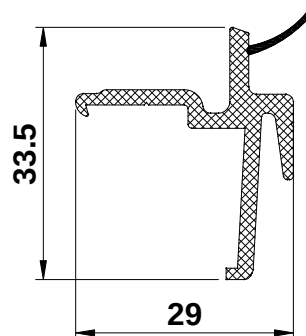
Primary Visible Side

Secondary Visible Side

GSL040 Meeting Stile Section



GSL053 PVC Interlock



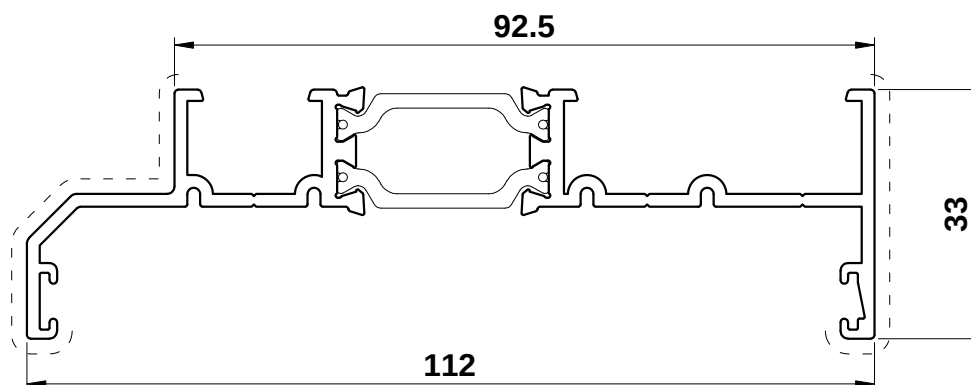
Scale 1:1

Primary Visible Side

Secondary Visible Side

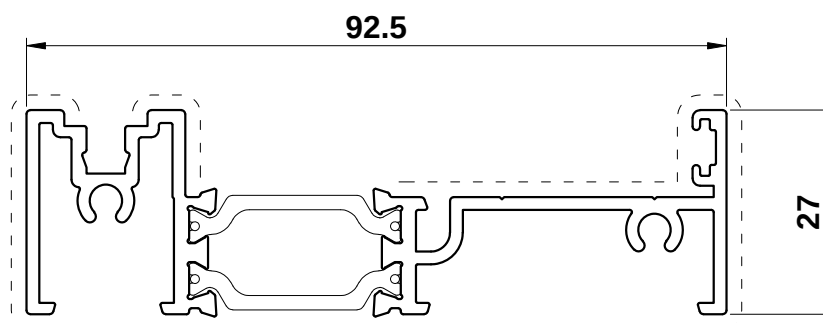
GSL1110

Head Section



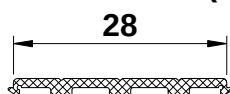
GSL1111

Jamb Section



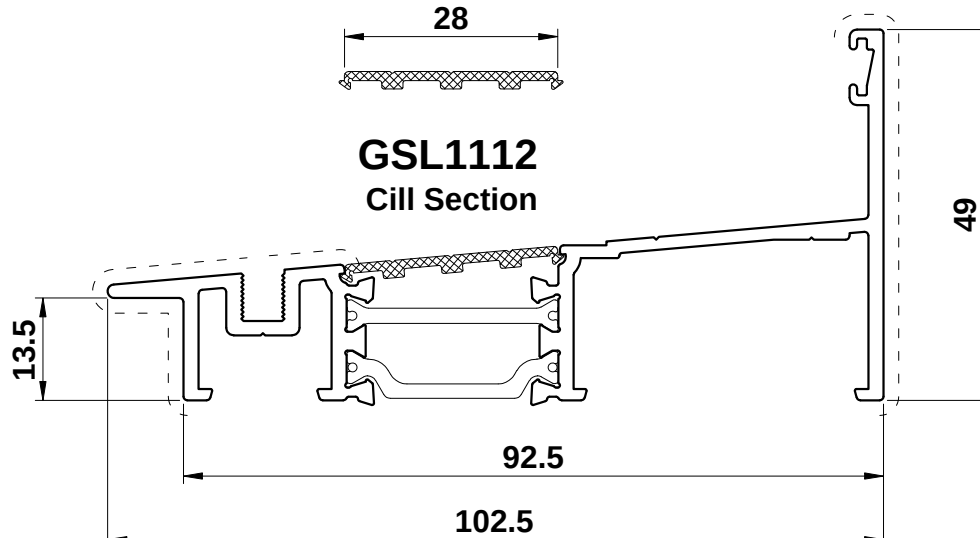
EF423

PVC Cill Infill Section (Black Only)



GSL1112

Cill Section

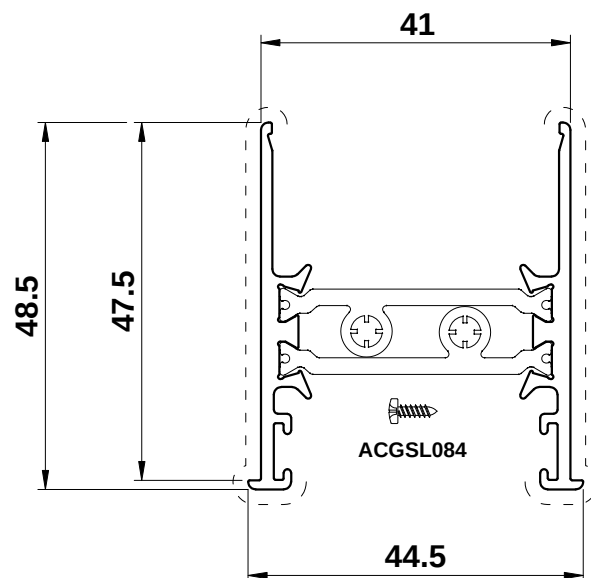


Scale 1:1

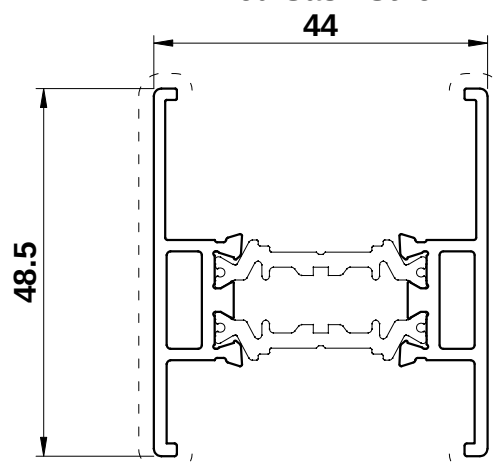
Primary Visible Side

Secondary Visible Side

GSL1120 Top & Bottom Rail



GSL1121 Fixed Sash Stile

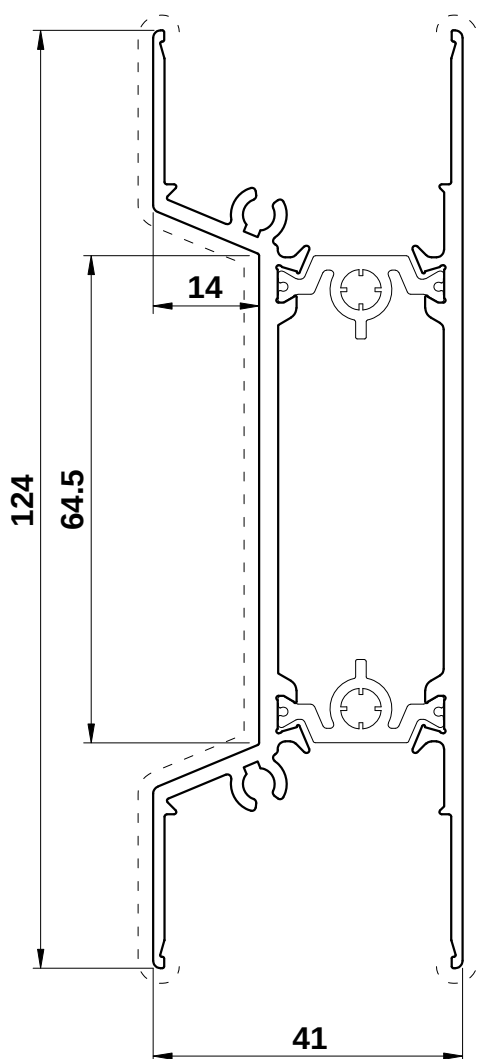


Scale 1:1

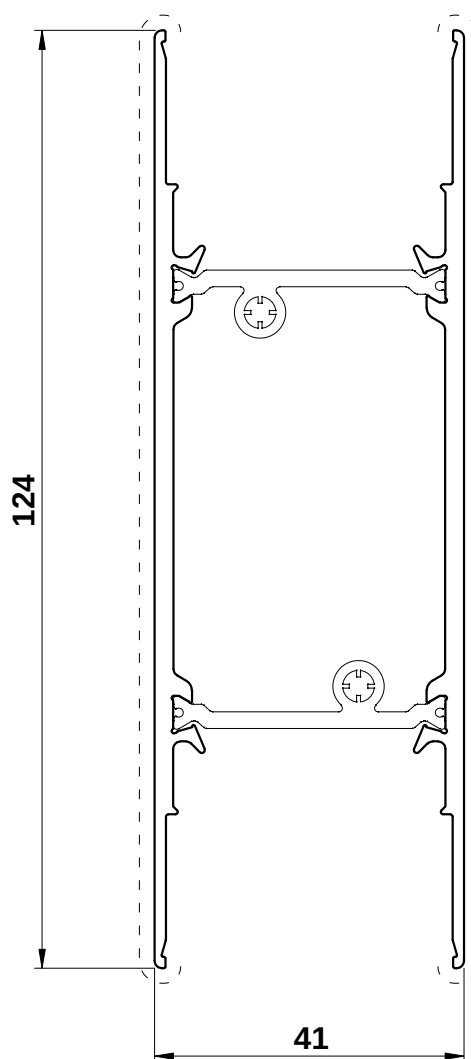
Primary Visible Side

Secondary Visible Side

GSL1130
Mid-Rail for Letter Plate



GSL1131
Mid-Rail



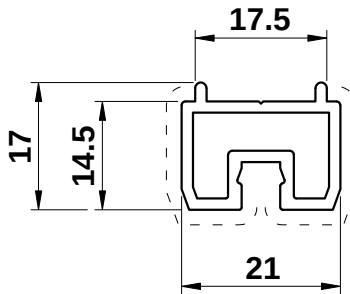
Scale 1:1

Primary Visible Side

Secondary Visible Side

GSL1140

Head Guide Section



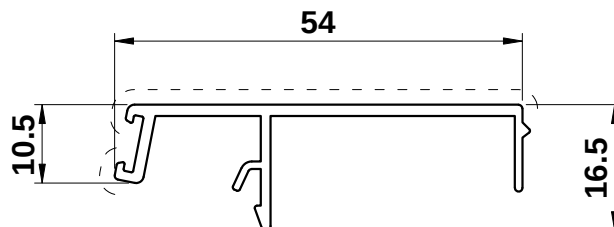
GSL1141

Internal Head Clip Plate



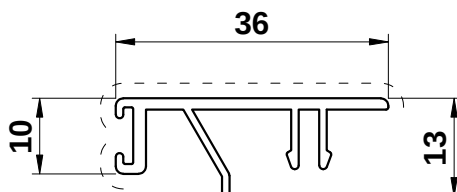
GSL1142

Internal Jamb Clip Plate



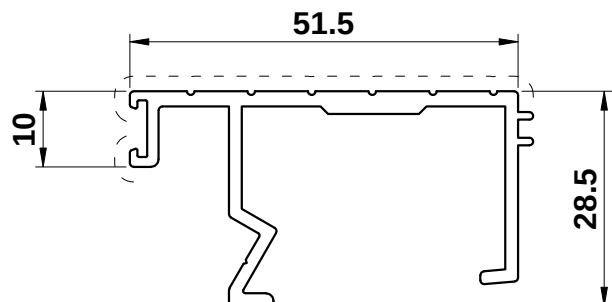
GSL1143

External Jamb Clip Plate



GSL1144

Internal Cill Clip Plate

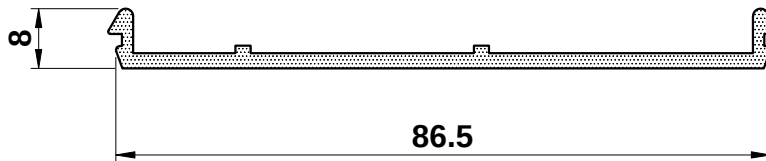


Scale 1:1

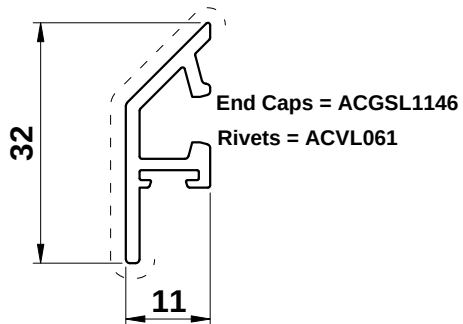
Primary Visible Side

Secondary Visible Side

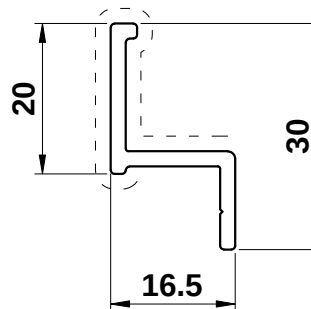
GSL1145
External PVC Clip Plate



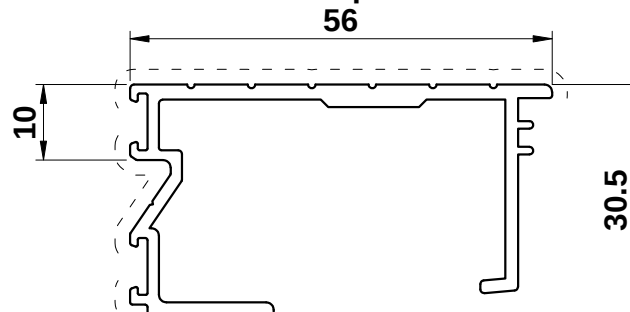
GSL1146
Sash Weather Bar



GSL1147
External Cill Upstand



GSL1148
Internal Cill Clip Plate
with Two Woolpile Channels

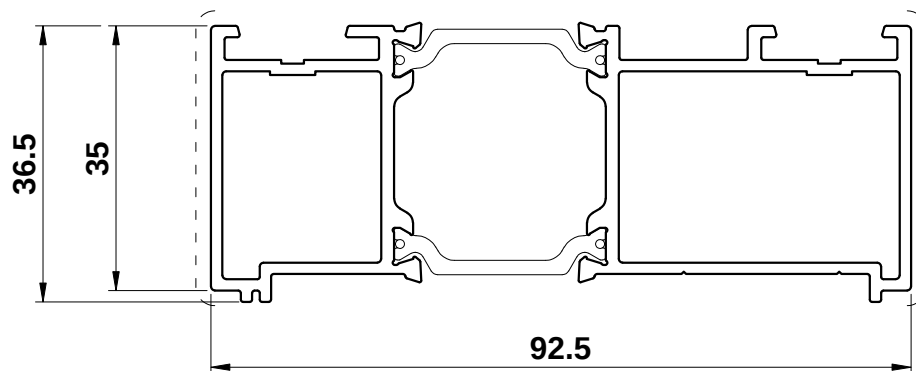


Scale 1:1

Primary Visible Side

Secondary Visible Side

GSL1155 Head Extension



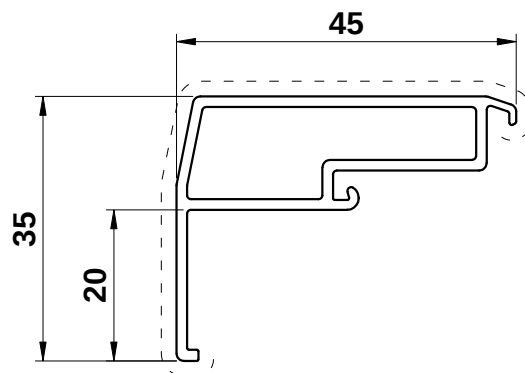
Scale 1:1

Primary Visible Side

Secondary Visible Side

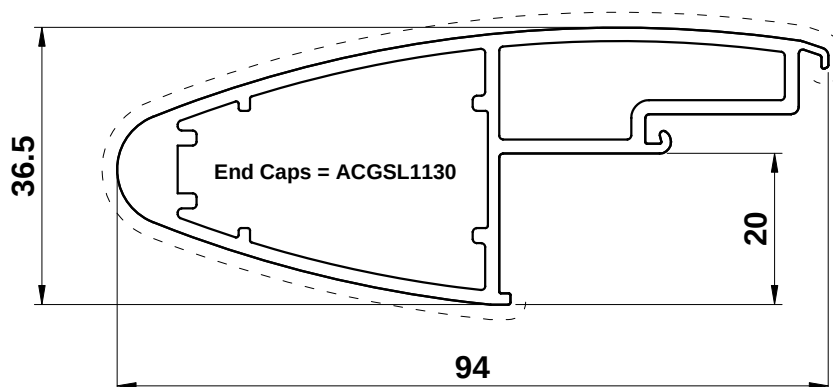
GSL310

Interlock



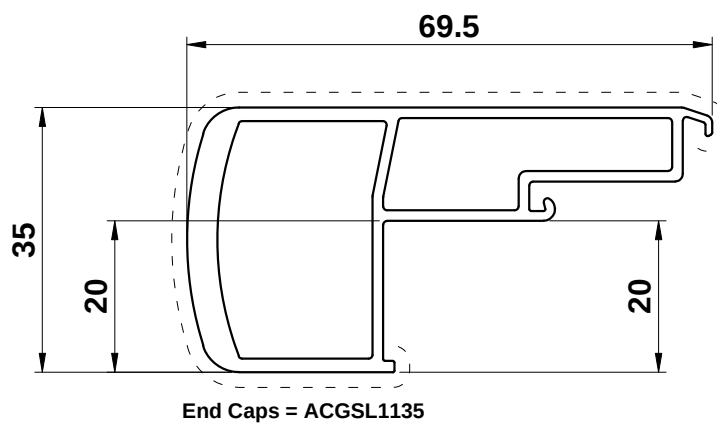
GSL1330

Reinforced Interlock



GSL1335

Reinforced Interlock

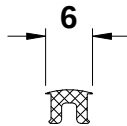


Scale 1:1

Primary Visible Side

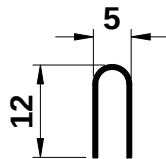
Secondary Visible Side

VG52
PVC Infill (Black Only)



PVC

VG53
Stainless Steel Track



Scale 1:1

Primary Visible Side

Secondary Visible Side

Section B

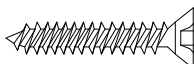
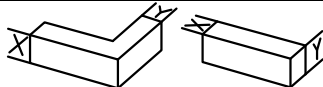
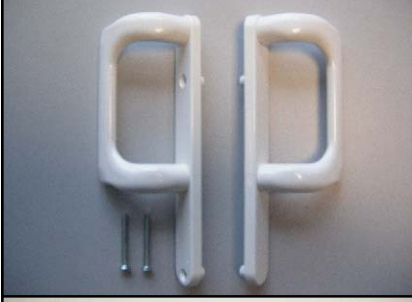
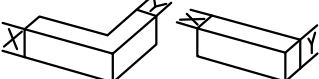
Image	Part Code	Pack	Unit	Application	Colour	
	ACDV265 M4 x 60 CSK Screw	100	pack	GSL040 ACGSL1171	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET060 No. 7 x 25 S/S Self Tapping CSK Screw	100	pack		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET068 No. 8 x 10 S/S Self Tapping Flange Screw	100	pack		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET122 M4 x 10 CSK Screw	100	pack	GSL040 ACGSL1171	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET390 4.3 x 25mm Polyamide Screw	200	pack	ACGSL1125	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					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 M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black			

Image	Part Code	Pack	Unit	Application	Colour	
	ACSL180 Cast Handle Set	1	pair	GSL022 ACGSL1174	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	X
					W	X
					Z	
					PC	X
	ACSL181 Aluminium Handle Set	1	pair	GSL022 ACGSL1174	MF	
					SA	X
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	X
					PC	
	ACSL182 Dummy Handle Set for ACSL180	1	pair	GSL022 ACGSL1174	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	X
					W	X
					Z	
					PC	X
	ACSL183 Dummy Handle Set for ACSL181	1	pair	GSL022 ACGSL1174	MF	
					SA	X
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	X
					PC	
					MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					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 M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black		
						

Slide Mono Rail

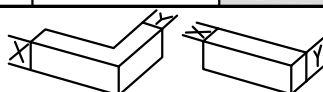
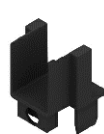
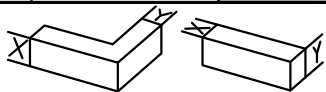
Image	Part Code	Pack	Unit	Application	Colour	
	ACGSL032 24mm Glazing Gasket	25	m	GSL022 GSL030 GSL310 GSL1120 GSL1121 GSL1330	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL032G 24mm Glazing Gasket - Grey	25	m	GSL022 GSL030 GSL310 GSL1120 GSL1121 GSL1330	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL033 28mm Glazing Gasket	25	m	GSL022 GSL030 GSL310 GSL1120 GSL1121 GSL1330	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL033G 28mm Glazing Gasket - Grey	25	m	GSL022 GSL030 GSL310 GSL1120 GSL1121 GSL1330	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL034 32mm Glazing Gasket	25	m	GSL022 GSL030 GSL310 GSL1120 GSL1121 GSL1330	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					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 M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black			
						

Image	Part Code	Pack	Unit	Application	Colour
	ACGSL034G 32mm Glazing Gasket - Grey	25	m	GSL022 GSL030 GSL310 GSL1120 GSL1121 GSL1330	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL040 End Cap	1	each	GSL040	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL042 Woolpile	100	m	GSL020 GSL021 GSL022	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL061 Infill Gasket	150	m	GSL040	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL061G Infill Gasket - Grey	150	m	GSL040	MF
					SA
					KL
					HP
					M
					GOZ
					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 M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black	

Slide Mono Rail

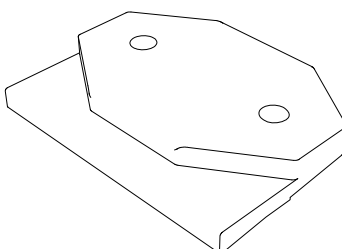
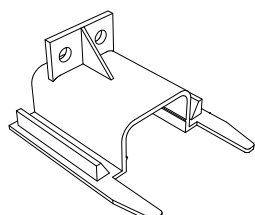
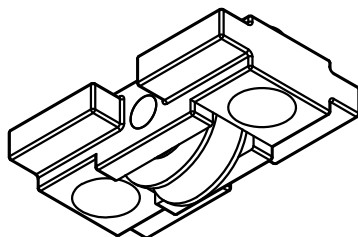
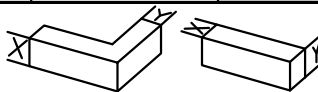
Image	Part Code	Pack	Unit	Application	Colour	
	ACGSL080 Screw	100	pack	GSL040	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL084 Screw	100	pack	GSL020 GSL021 GSL021 CSL030	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL1120 Support block for fixed sash	10	pack	GSL1120	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	X
					PC	
	ACGSL1122 End Cap for GSL022	10	pack	GSL022	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	X
					Z	X
					PC	
	ACGSL1125 Sash Roller	1	each	GSL1120	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					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 M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black		

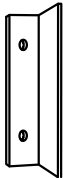
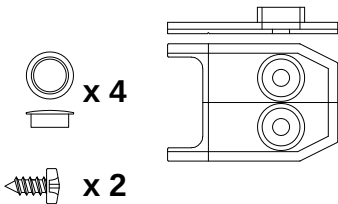
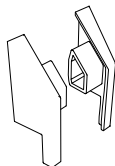
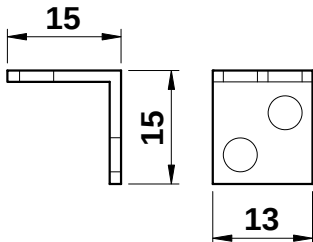
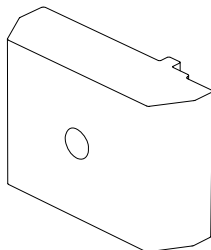
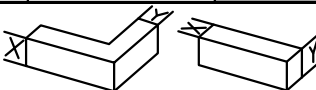
Image	Part Code	Pack	Unit	Application	Colour
	ACGSL1130 Infill Angle	1	pair	GSL1130	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL1132 Cover Cap	10	pack	GSL310 GSL1330 GSL1335	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL1146 End Caps for GSL1146 - Weather Bar	50	pairs	GSL1146	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL1150 Fixing Bracket for Fixed Sash	10	pack		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL1151 Fixed Sash Location Block	10	pack	GSL1121	MF
					SA
					KL
					HP
					M
					GOZ
					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 M = Dual Colour GOZ = Gold PC = Polished Chrome W = White Z = Black			

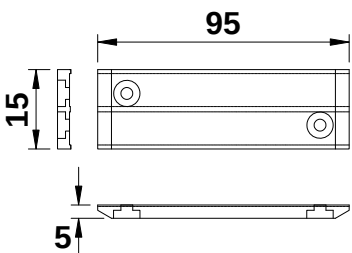
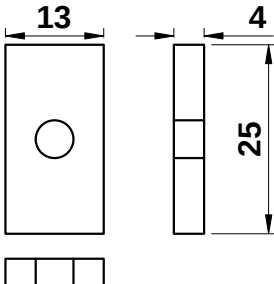
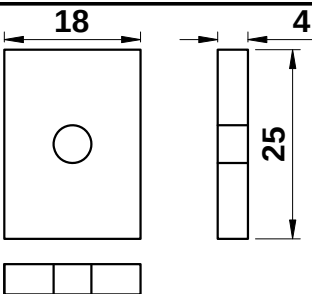
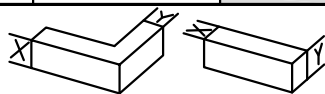
Image	Part Code	Pack	Unit	Application	Colour	
	ACGSL1152 Anti-Lift Block	50	pack	GSL1110 GSL1120	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	X
					PC	
	ACGSL1170 Fixing Plate	12	each	ACGSL1174 ACSG071 GSL040 ACDV265	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL1171 Fixing Plate for ACGSL1174 keep	10	each	ACGSL1174 ACET122 GSL040	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
					MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
					MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
 						
MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black				

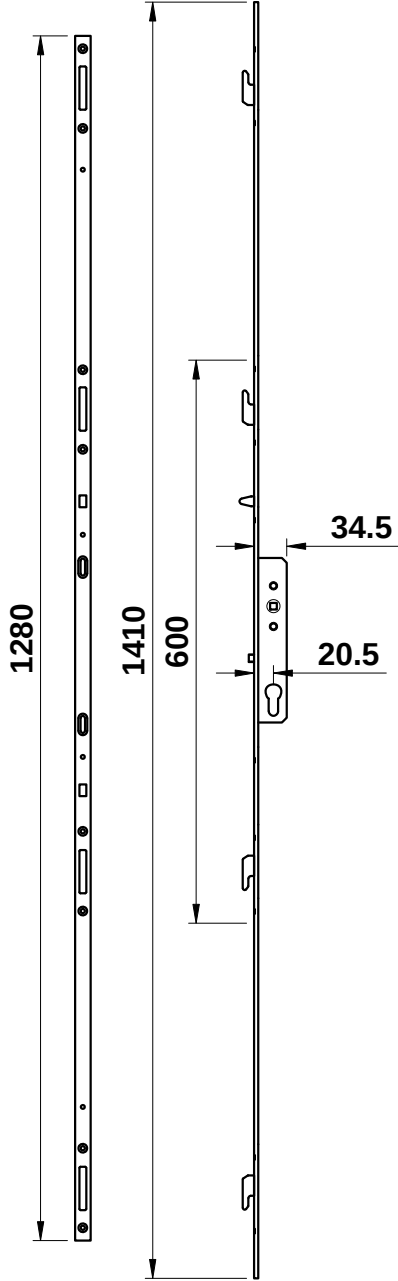
Image	Part Code	Pack	Unit	Application	Colour
	ACSG1174 Multi-point Lock Can be cut down to 600mm leaving two locking points	1	Each	GSL022 ACSL180 ACSL181	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour	GOZ = Gold PC = Polished Chrome W = White Z = Black		

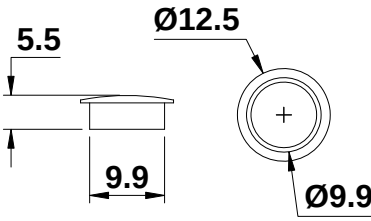
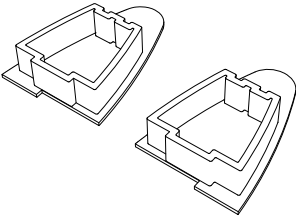
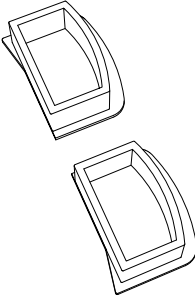
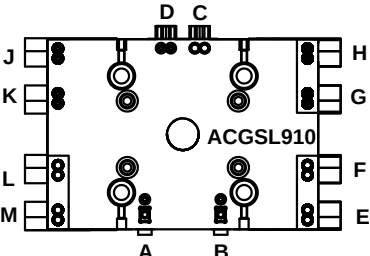
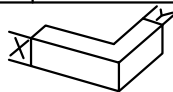
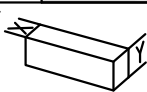
Image	Part Code	Pack	Unit	Application	Colour
	ACGSL1180 Screw Cover Cap	100	pack	ACGSL1174 ACET122	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
PC					
	ACGSL1330 End Cap for GSL1330	10	pairs	GSL1330	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
PC					
	ACGSL1335 End Cap for GSL1335	10	pairs	GSL1335	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
PC					
	ACGSL304 Guide to Locate Locking Stile to Outer Frame	2	pack	GSL1111 GSL022	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
PC					
	ACGSL910 Punch Tool Please see Section E for application.	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					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 M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black	 

Image	Part Code	Pack	Unit	Application	Colour
	ACGSL911 Punch Tool Please see Section E for application.	1	each	GSL022 GSL1121 GSL310 GSL1330 GSL1335	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL9001 Drill Jig Please see Section E for application.	1	each	GSL1110 GSL1111 GSL1112	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL9002 Drill Jig Please see Section E for application.	1	each	GSL022 GSL310 GSL1330 GSL1335	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACSG071 M4 x 40 CSK Screw	1	each	ACSG023 ACGSL1174	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACVG48 Door Stop/Buffer	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					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 M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black	

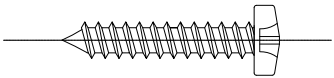
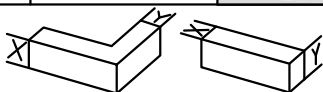
Image	Part Code	Pack	Unit	Application	Colour
	ACMX01615 35/35 Cylinder	1	each	ACGSL1174	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	PUA028 No. 10 x 1" P/H Self Tapper	100	pack	GSL1110 GSL1111 GSL1112	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
					MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
					MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
					MF
					SA
					KL
					HP
					M
					GOZ
					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 M = Dual Colour	GOZ = Gold PC = Polished Chrome W = White Z = Black			MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC

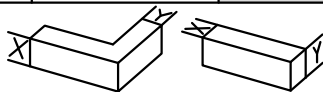
Image	Part Code	Pack	Unit	Application	Colour	
	ACMX09700 Alu. Polish	1	each		MF	X
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
	ACMX09761 Maxi Gloss	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
	ACMX09762 Alu. Bright	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
	ACMX09763 Teflon Spray	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
	ACMX09764 Maxi Clean	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
 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		M = Dual Colour GOZ = Gold W = White Z = Black			

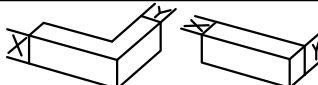
Image	Part Code	Pack	Unit	Application	Colour		
	ACMX09765 Alu. Cleaner	1	each		MF		
					SA		
					KL		
					HP		
					M		
					GOZ		
					W		
					Z		
	ACMX09770 Roll & Wrap 100mm	1	each		MF		
					SA		
					KL		
					HP		
					M		
					GOZ		
					W		
					Z		
	ACMX09775 Grip Handwrap	1	each		MF		
					SA		
					KL		
					HP		
					M		
					GOZ		
					W		
					Z		
	ACMX09801 Protective Tape 50mm	1	each		MF		
					SA		
					KL		
					HP		
					M		
					GOZ		
					W		
					Z		
	ACMX09802 Protective Tape 70mm	1	each		MF		
					SA		
					KL		
					HP		
					M		
					GOZ		
					W		
					Z		
	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		M = Dual Colour GOZ = Gold W = White Z = Black	
							

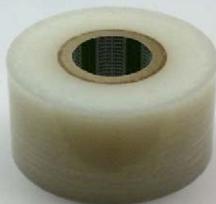
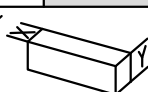
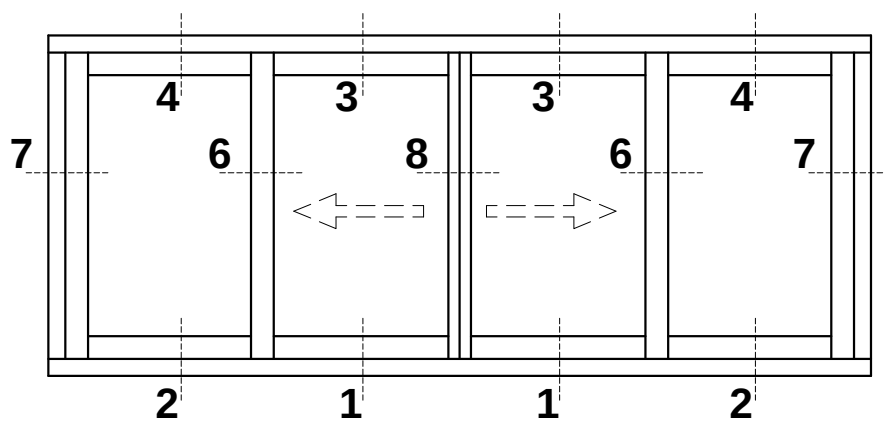
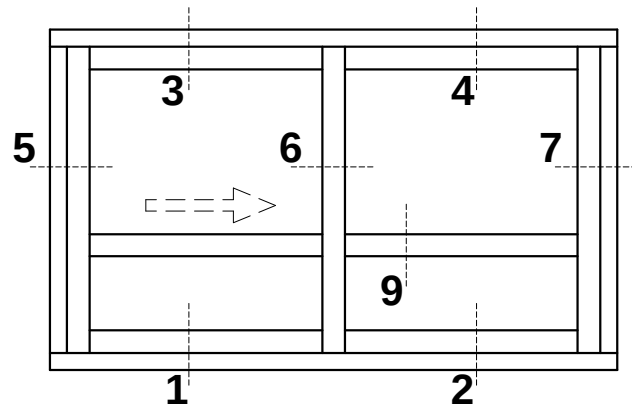
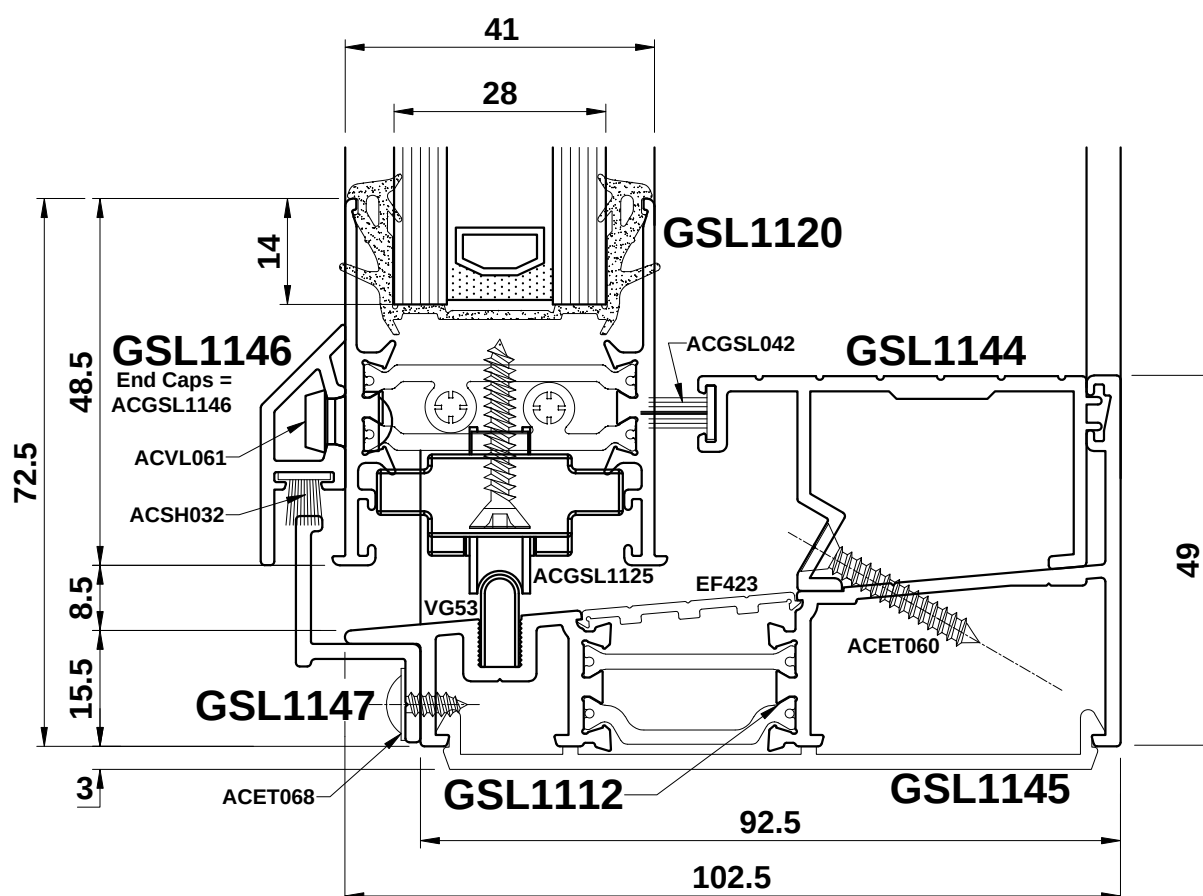
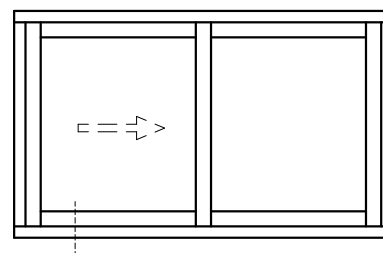
Image	Part Code	Pack	Unit	Application	Colour	
	ACMX09803 Protective Tape 100mm	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
	ACMX09830 Rubber Sealant	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
	ACSIL04 Sealing Glue	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	X
					Z	X
	ACSIL08 Silicon Gun	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
	ACSIL013 Glue for Mitre	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
	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 M = Dual Colour GOZ = Gold W = White Z = Black		

Image	Part Code	Pack	Unit	Application	Colour		
					MF		
					SA		
					KL		
					HP		
					M		
					GOZ		
					W		
					Z		
					MF		
					SA		
					KL		
					HP		
					M		
					GOZ		
					W		
					Z		
					MF		
					SA		
					KL		
					HP		
					M		
					GOZ		
					W		
					Z		
					MF		
					SA		
					KL		
					HP		
					M		
					GOZ		
					W		
					Z		
					MF		
					SA		
					KL		
					HP		
					M		
					GOZ		
					W		
					Z		
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm  Screw (Grub)					MF = Mill Finish	M = Dual Colour	 
					SA = Silver Anodised	GOZ = Gold	
					KL = Basic Colour	W = White	
					HP = Special Colour	Z = Black	

Section C

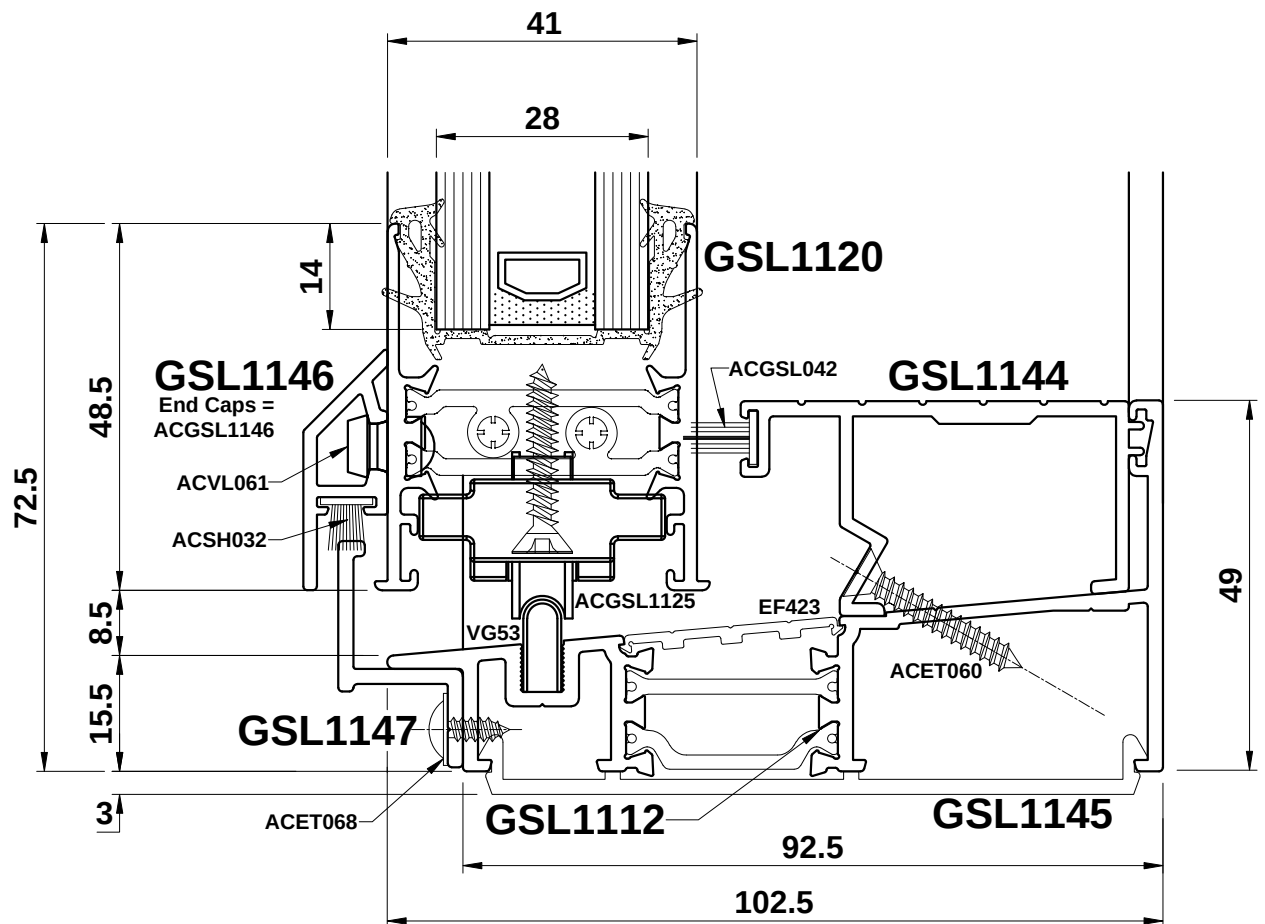
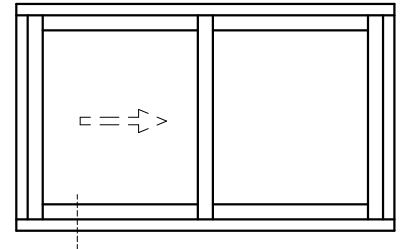


Detail 1A



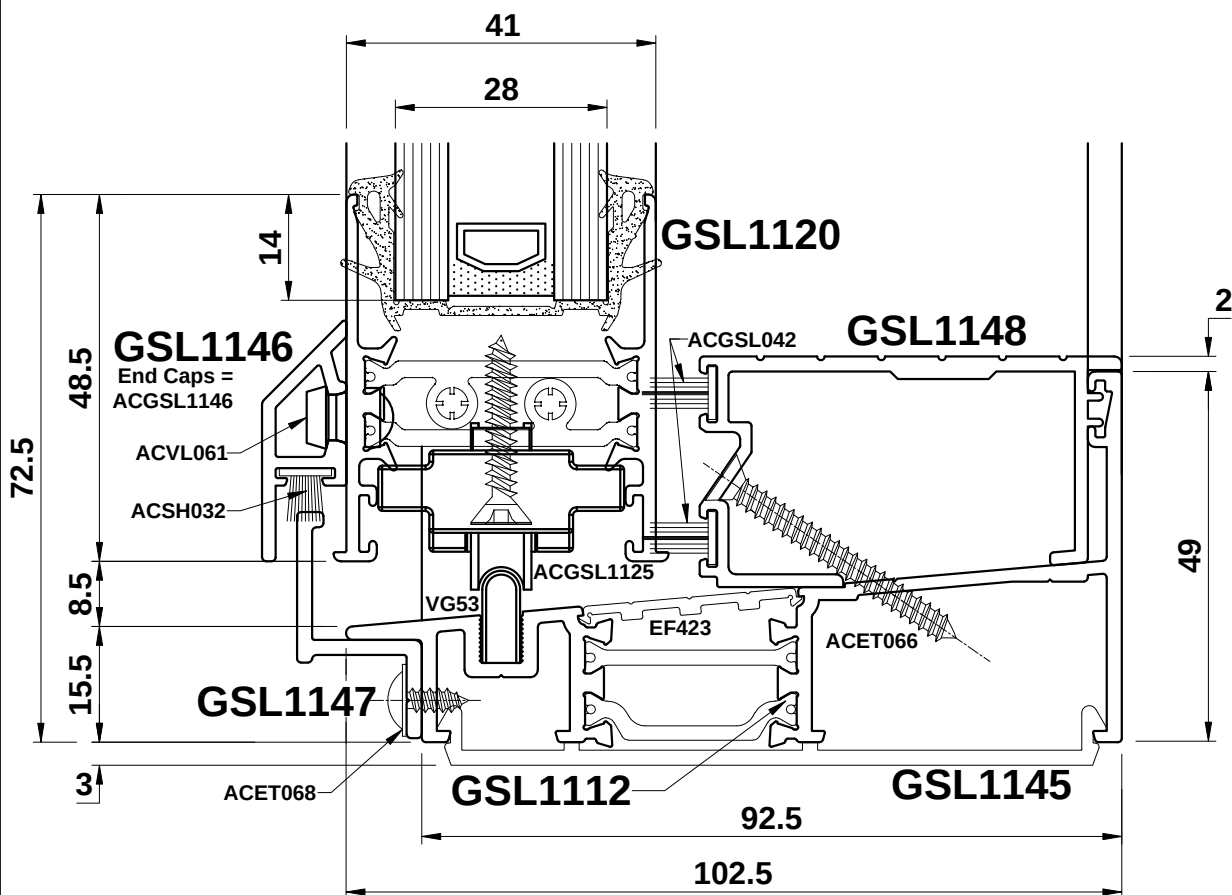
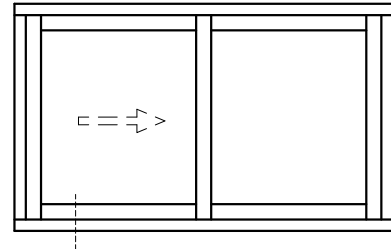
Do Not Scale From This Drawing

Detail 1B



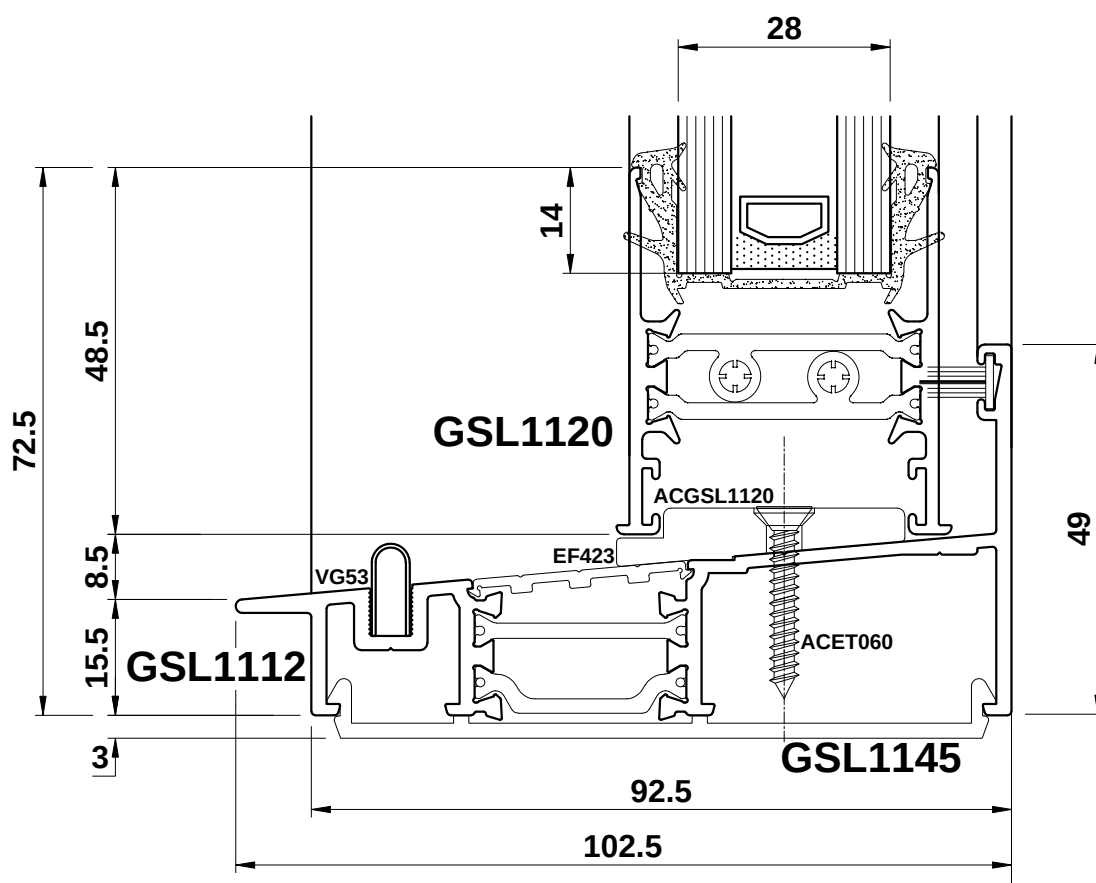
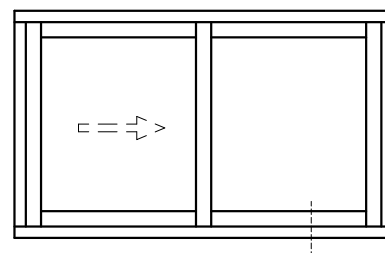
Do Not Scale From This Drawing

Detail 1C



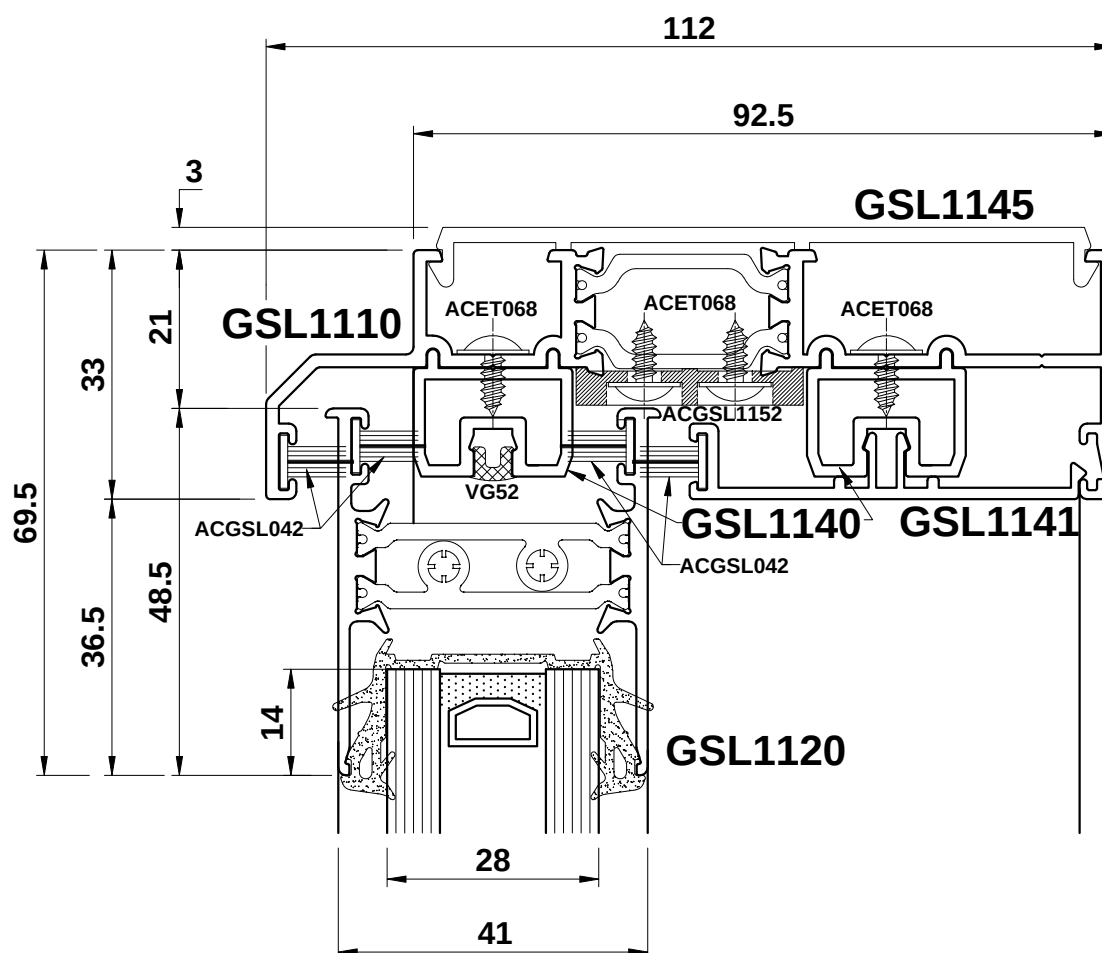
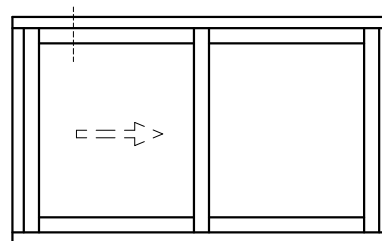
Do Not Scale From This Drawing

Detail 2



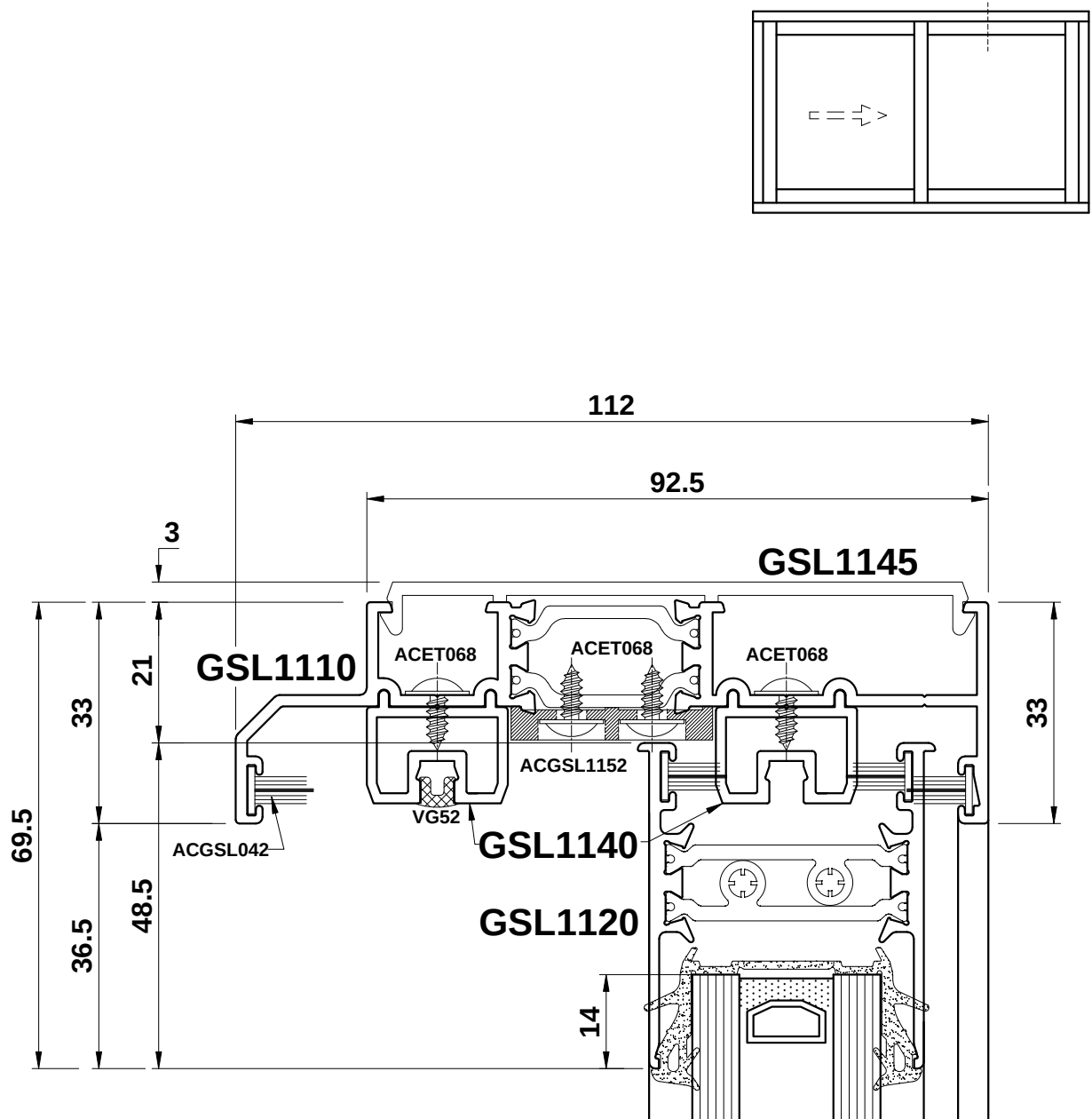
Do Not Scale From This Drawing

Detail 3



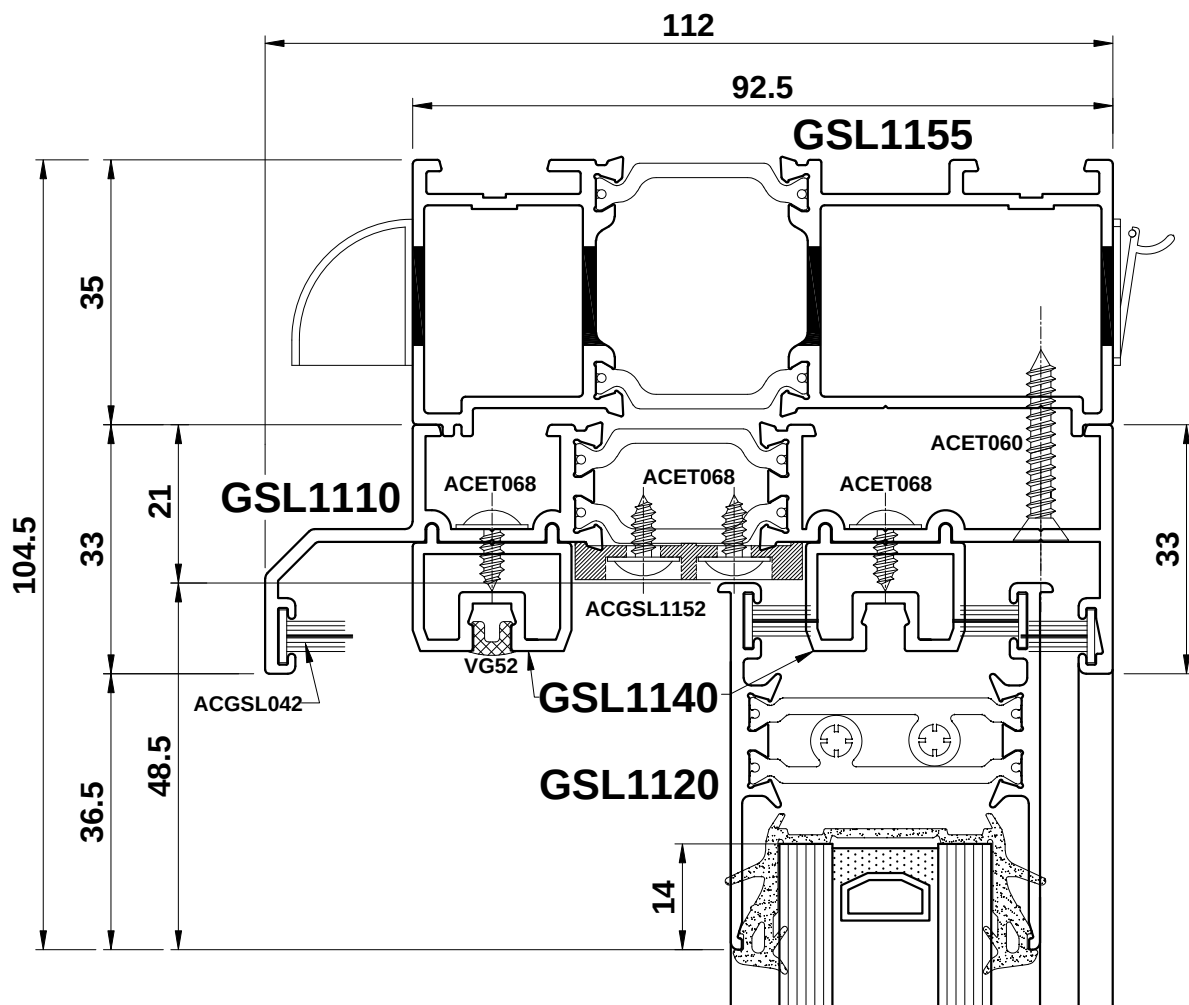
Do Not Scale From This Drawing

Detail 4A



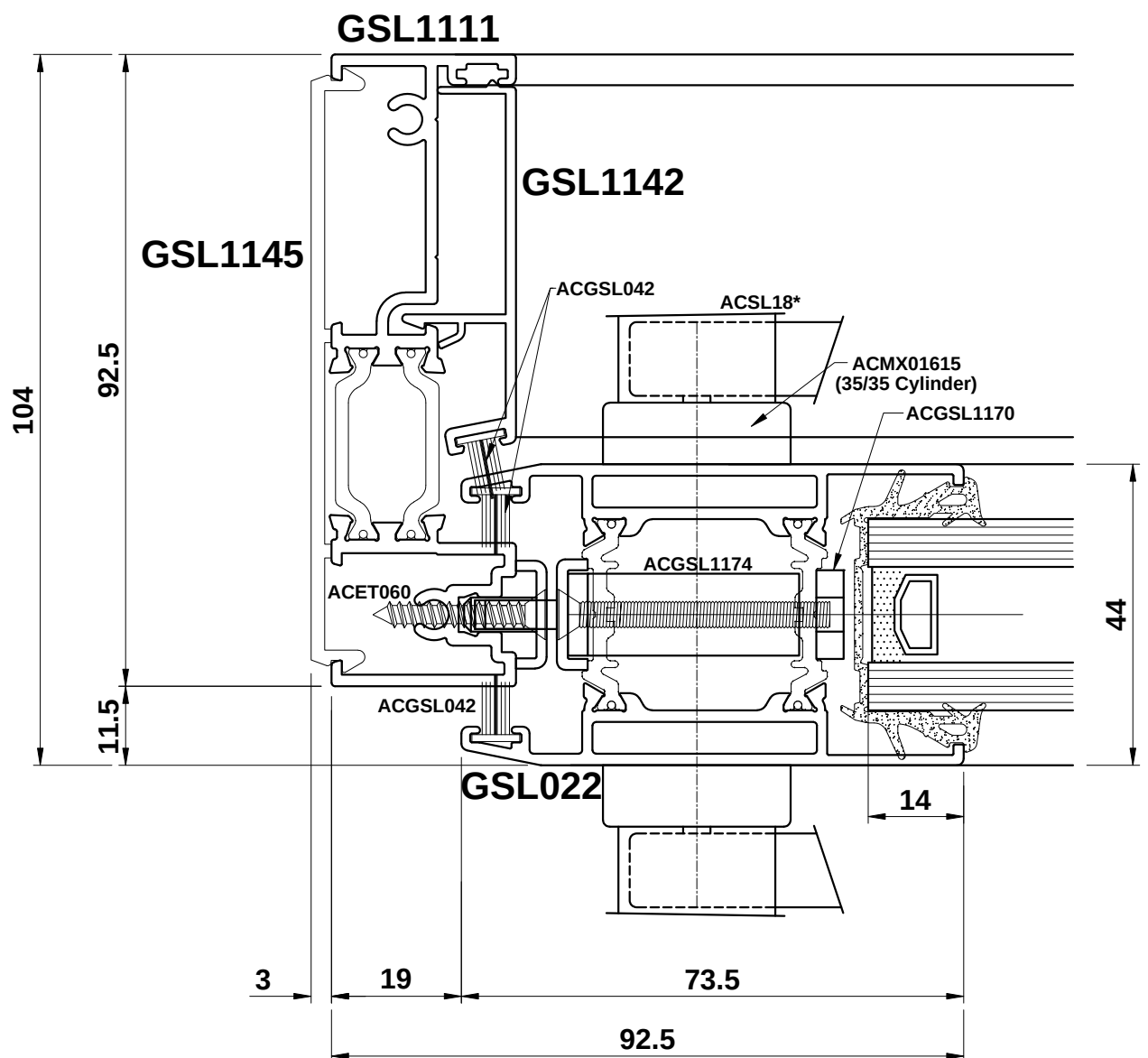
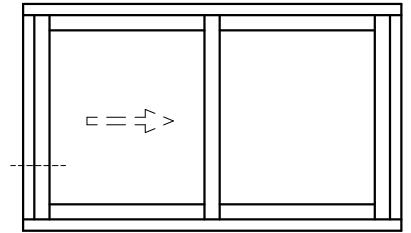
Do Not Scale From This Drawing

Detail 4B



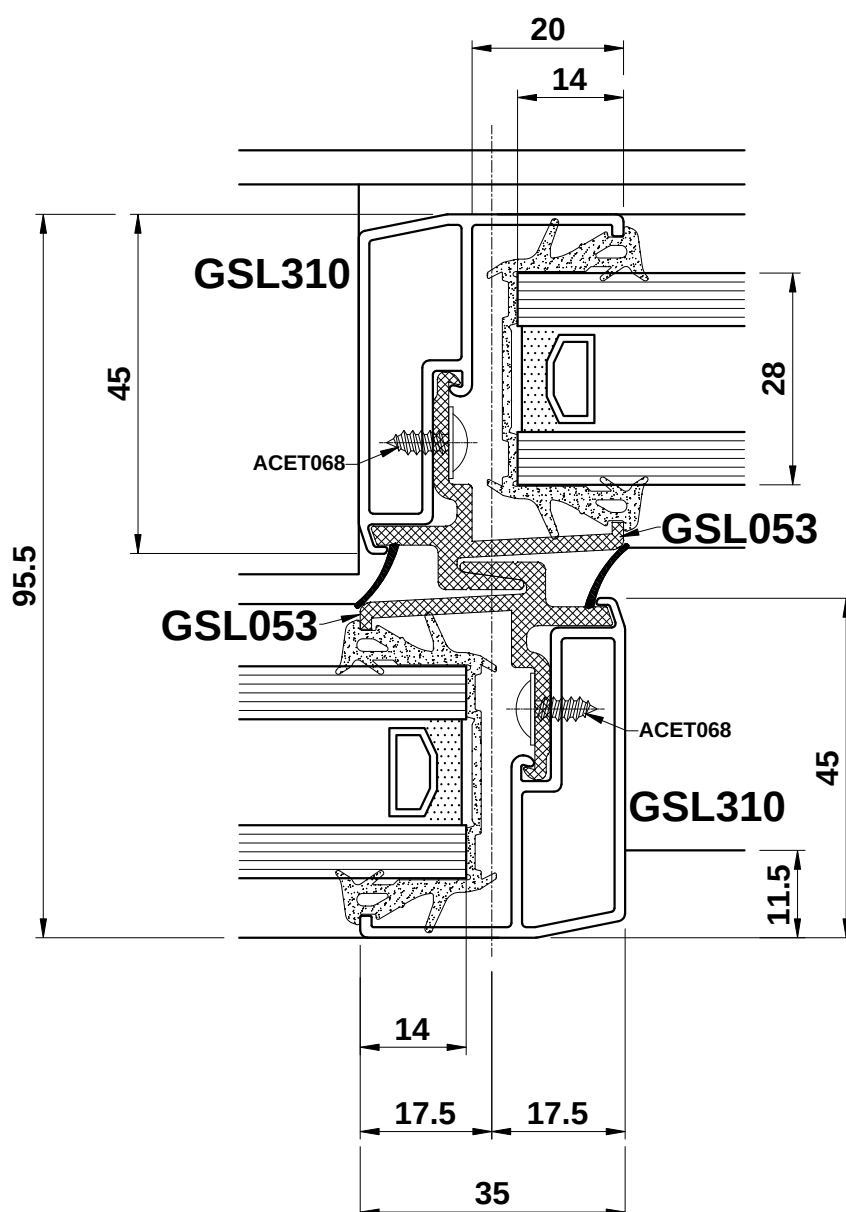
Do Not Scale From This Drawing

Detail 5



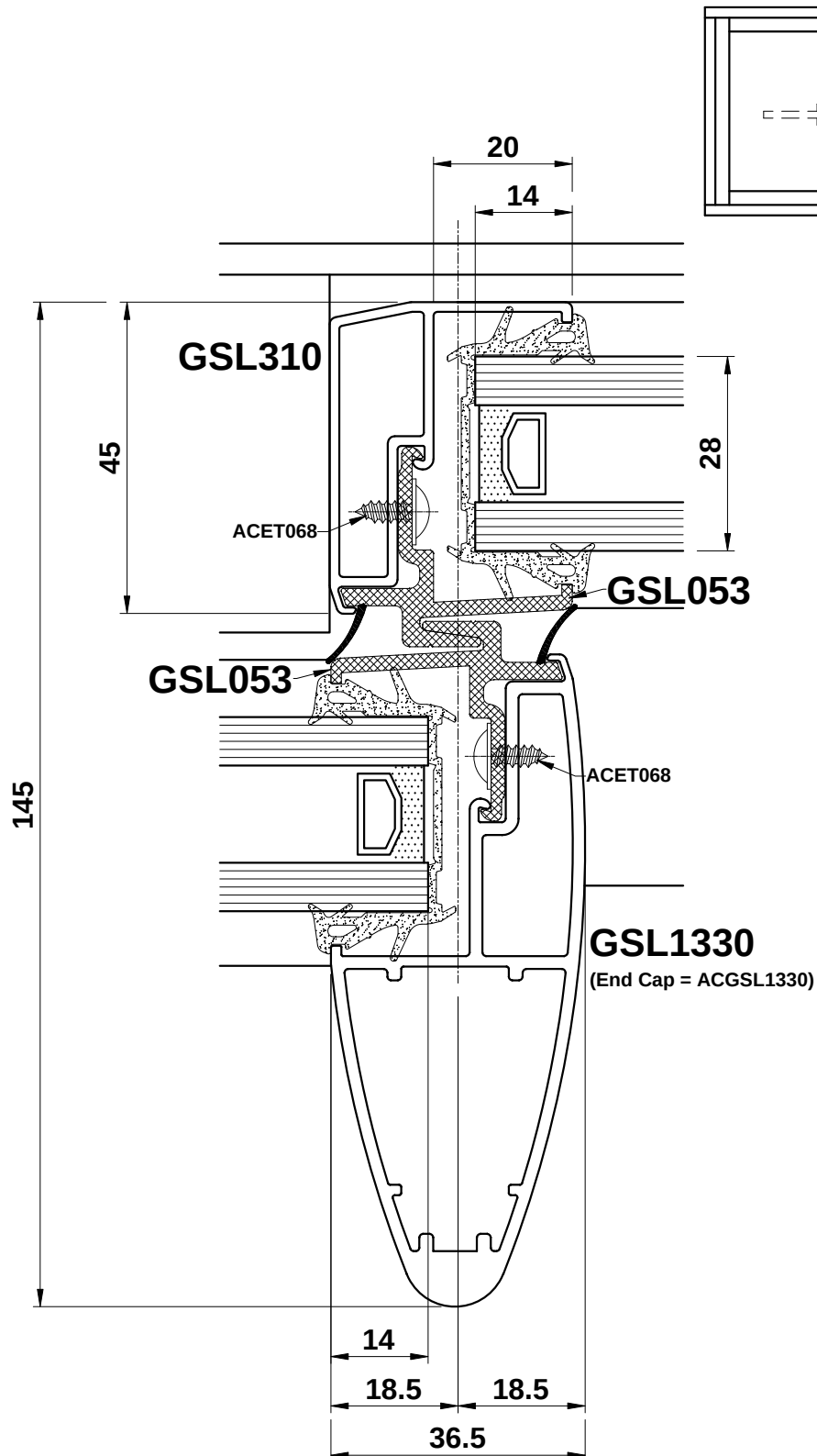
Do Not Scale From This Drawing

Detail 6A



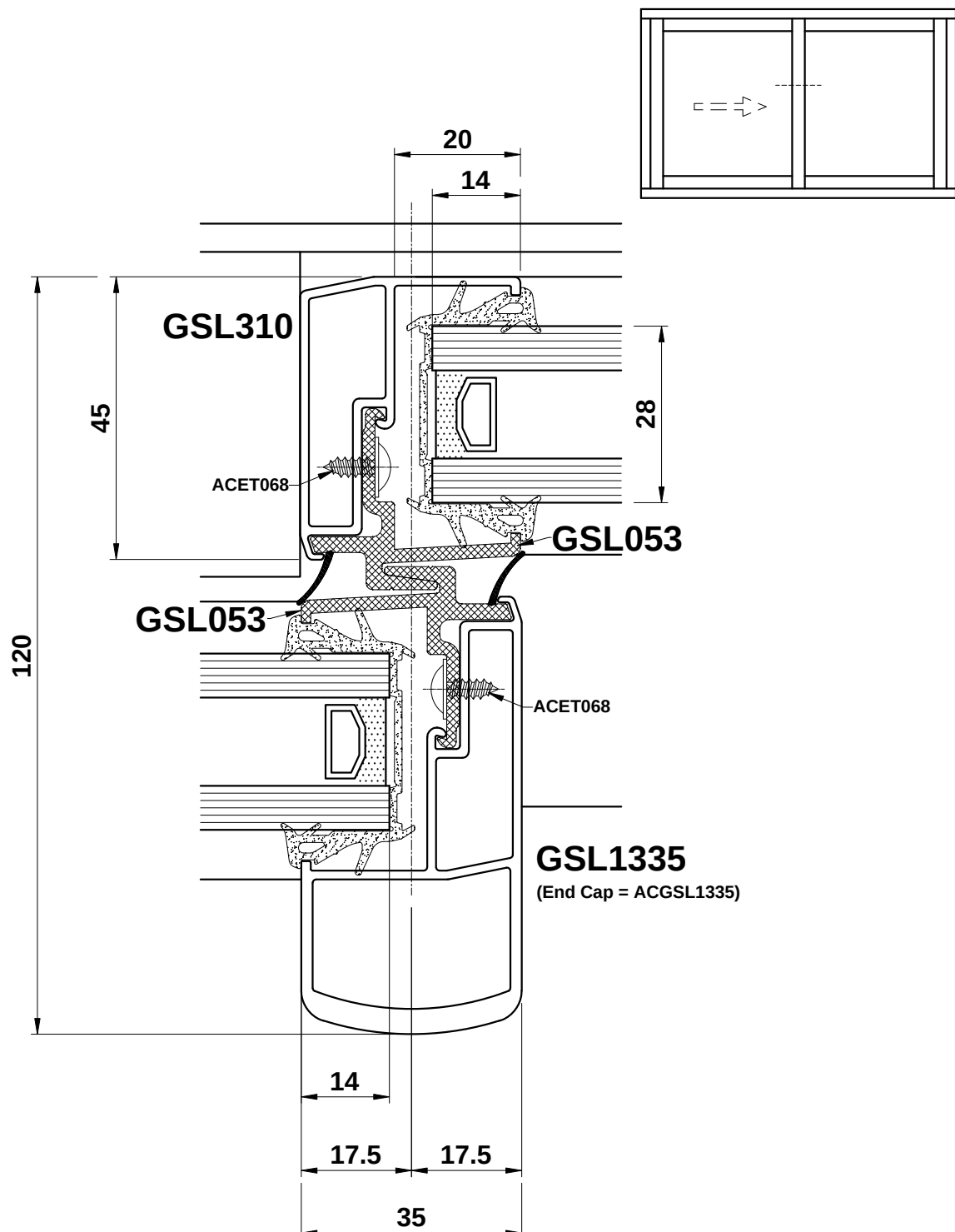
Do Not Scale From This Drawing

Detail 6B



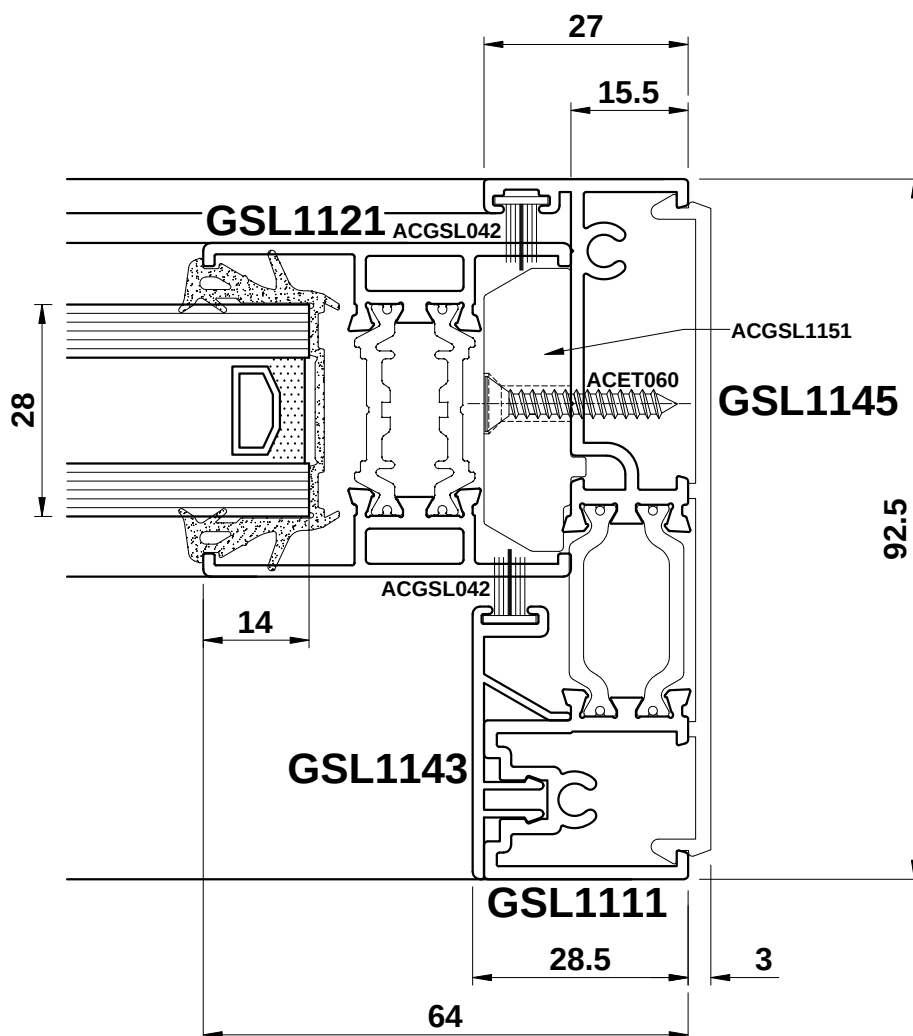
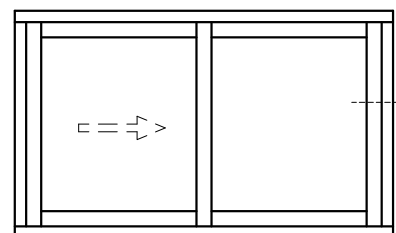
Do Not Scale From This Drawing

Detail 6C



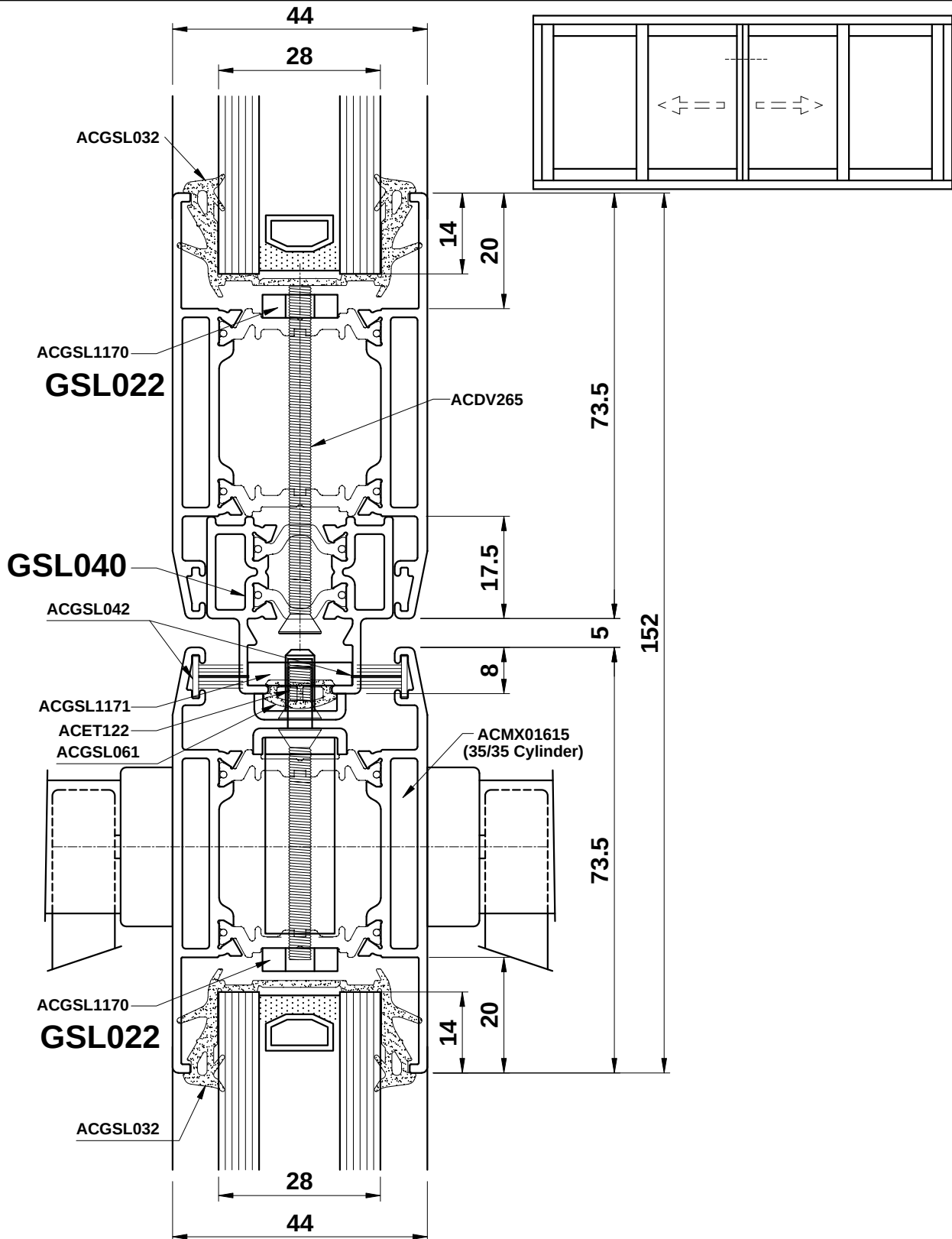
Do Not Scale From This Drawing

Detail 7



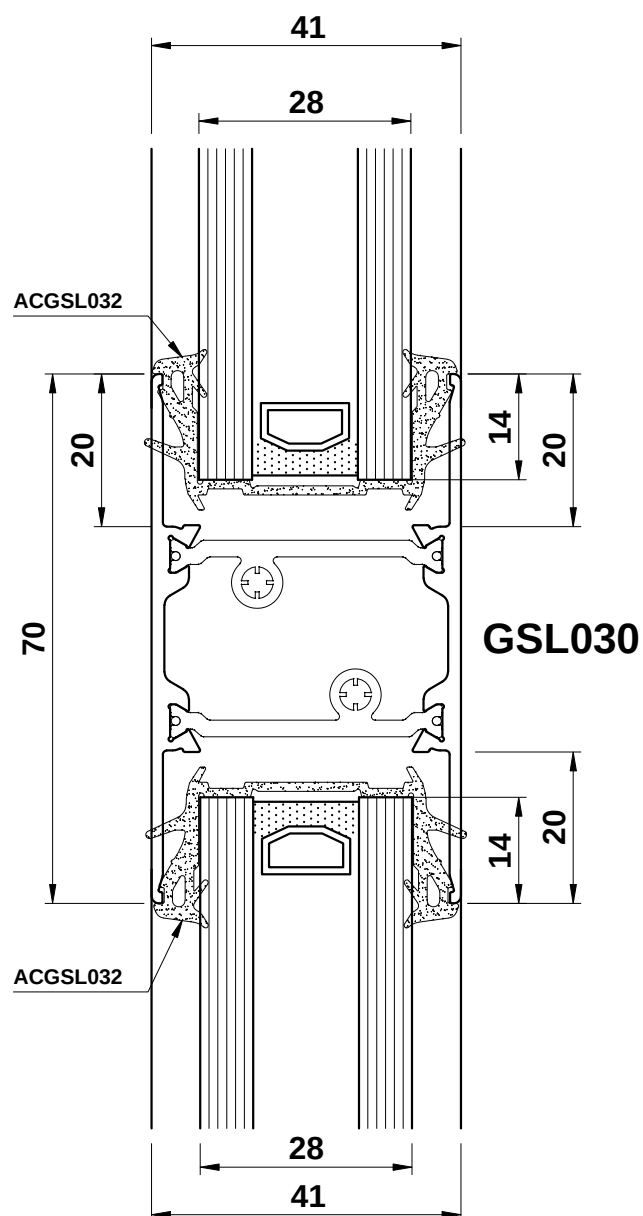
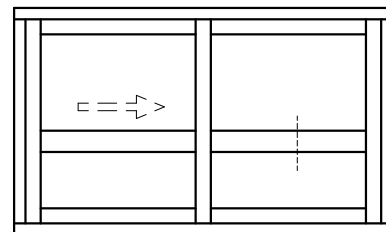
Do Not Scale From This Drawing

Detail 8



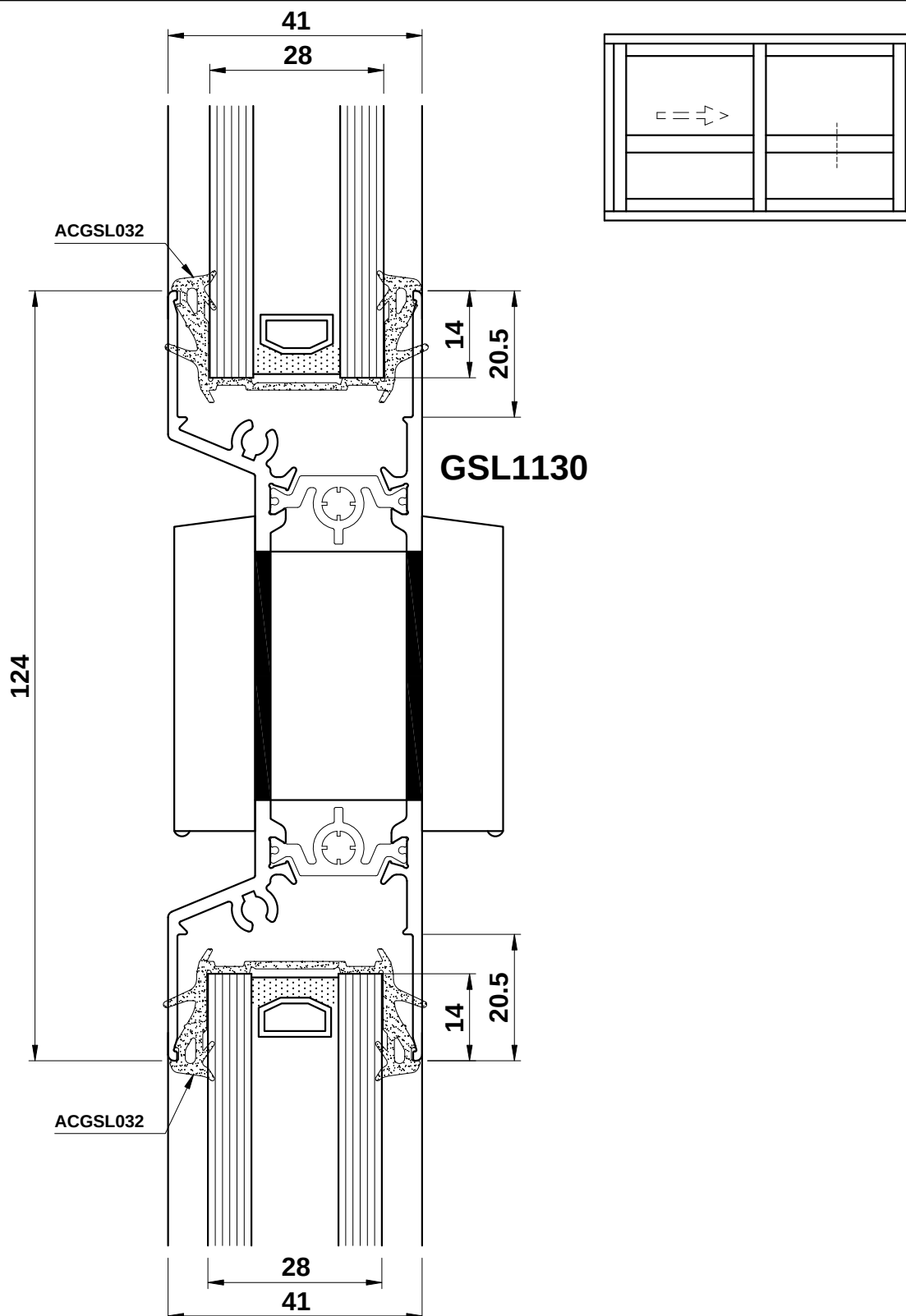
Do Not Scale From This Drawing

Detail 9A



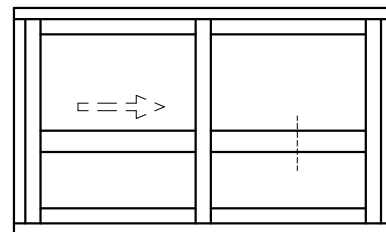
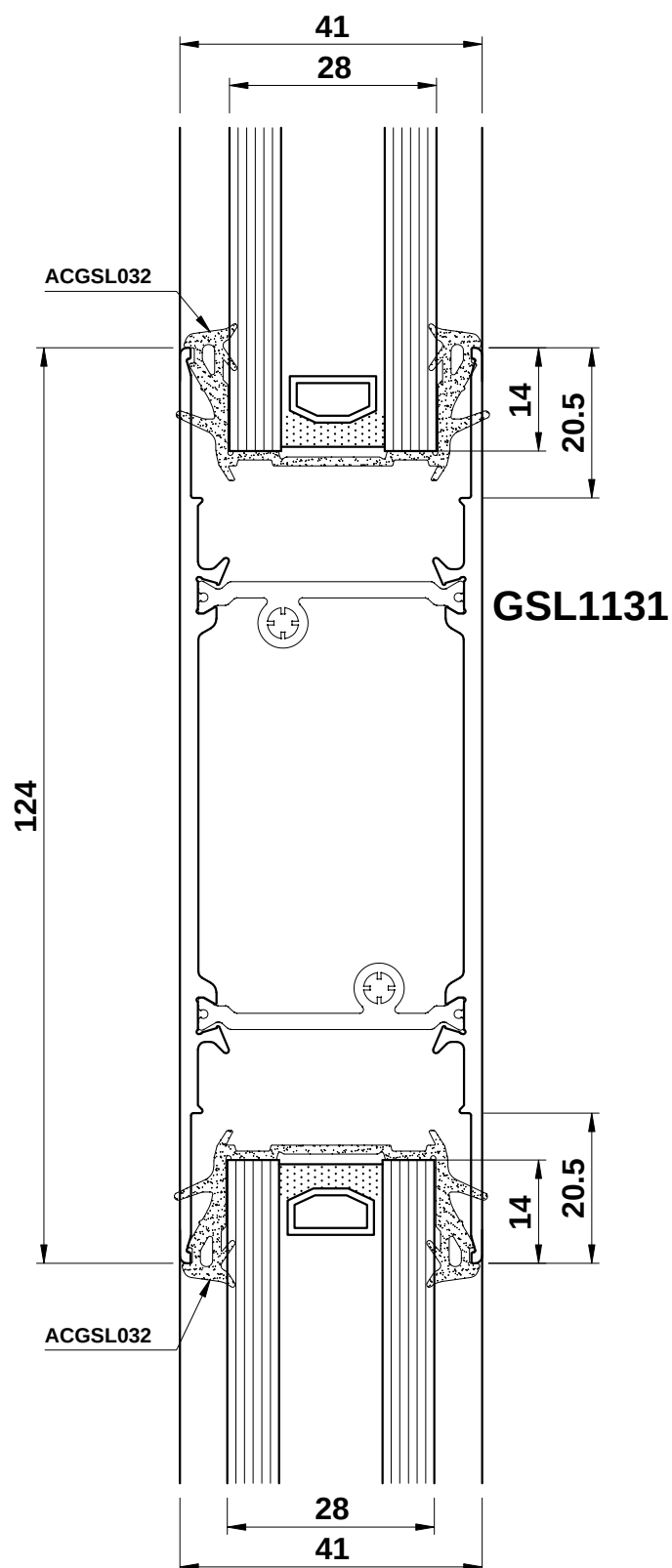
Do Not Scale From This Drawing

Detail 9B



Do Not Scale From This Drawing

Detail 9C



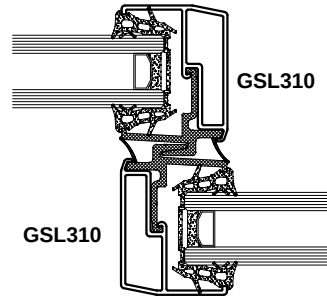
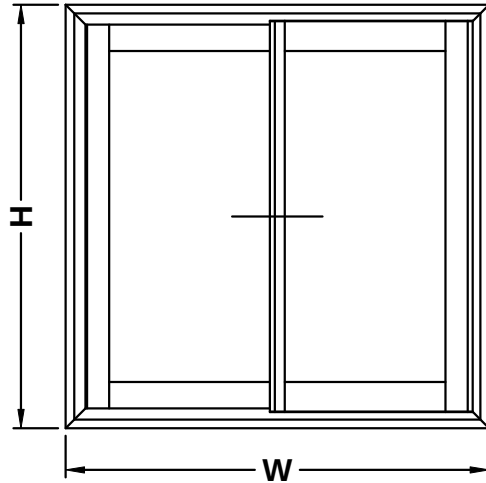
Do Not Scale From This Drawing

Do Not Scale From This Drawing

Section D

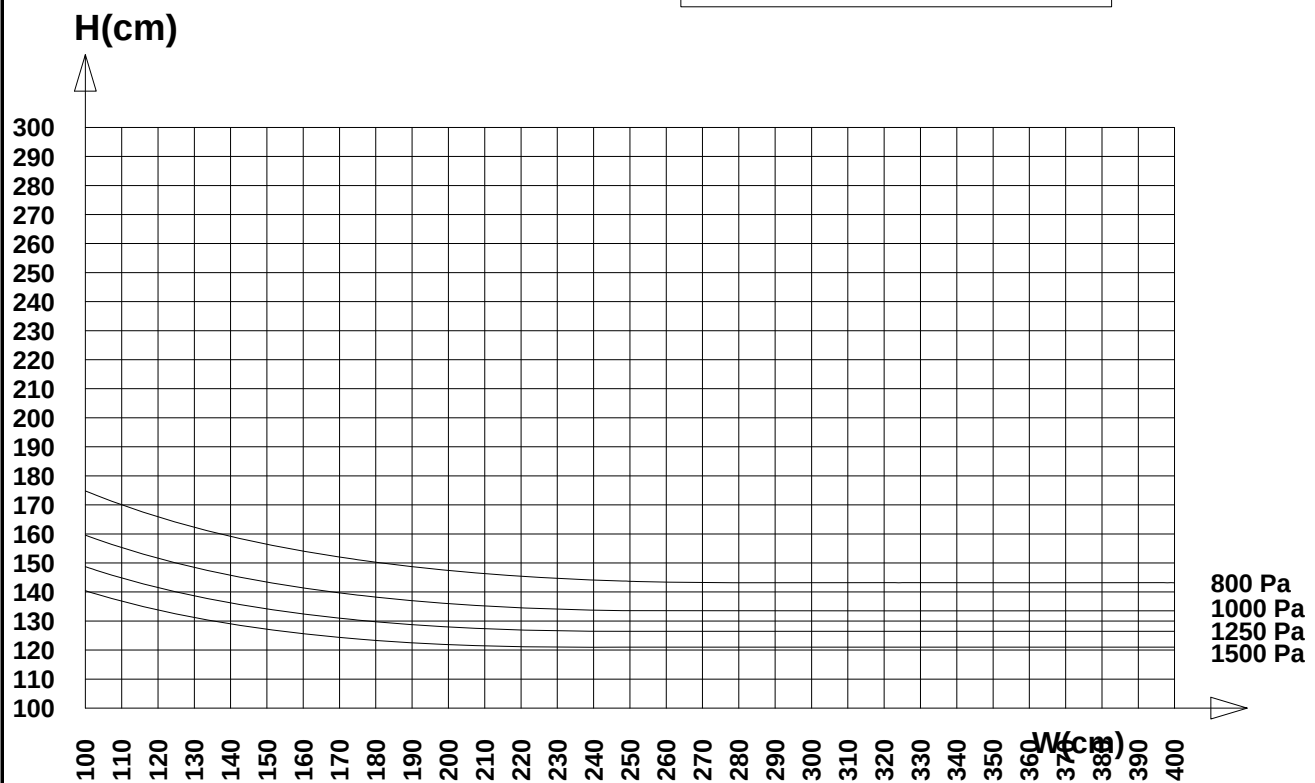
The wind load charts in this section are for guidance only.
If in doubt, please contact the Technical Department

Interlock



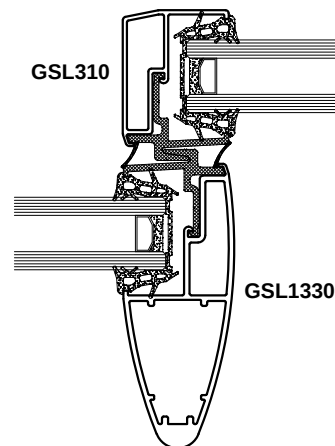
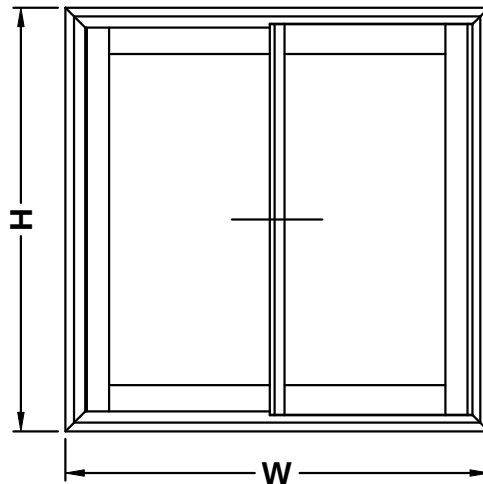
$$I_{xx} = 7.59 \text{ cm}^4$$

$$f_{max} = H/200 \text{ \& } H < 15 \text{ mm}$$



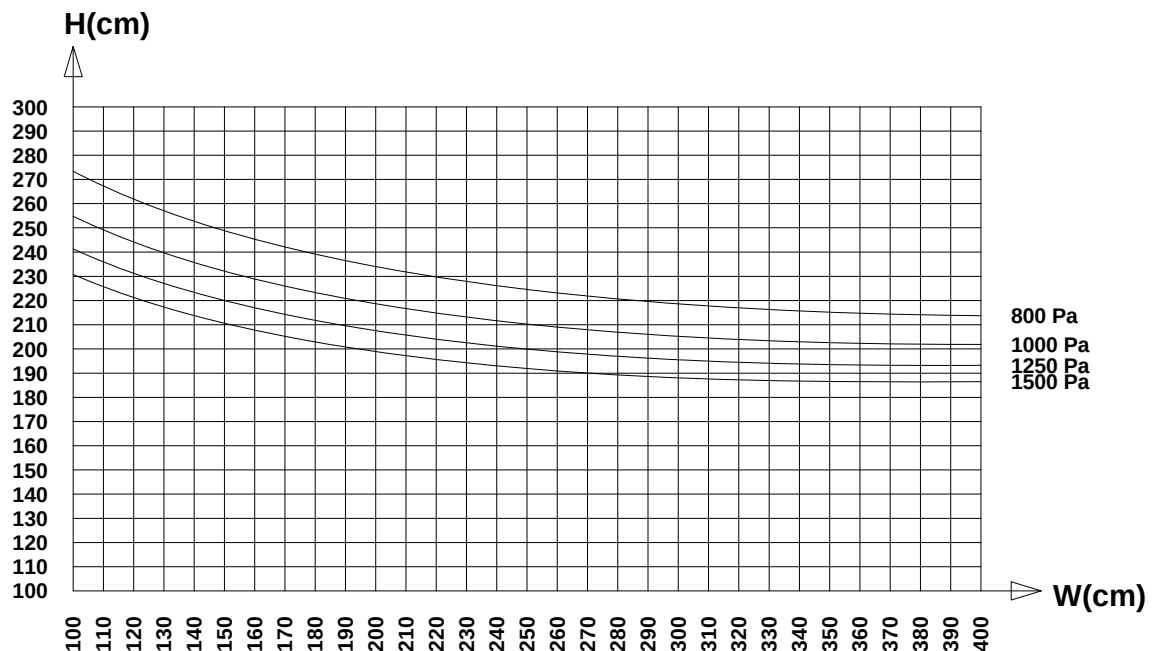
Do Not Scale From This Drawing

Interlock



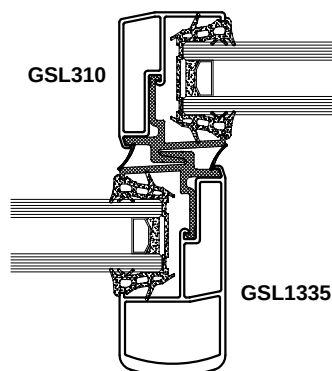
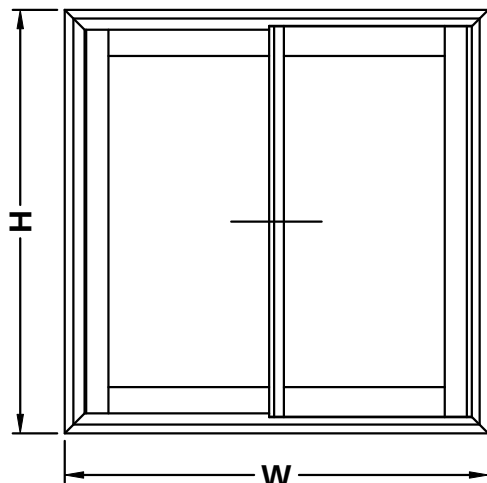
$$I_{xx} = 42.65 \text{ cm}^4$$

$$f_{max} = H/200 \text{ \& } H < 15 \text{ mm}$$



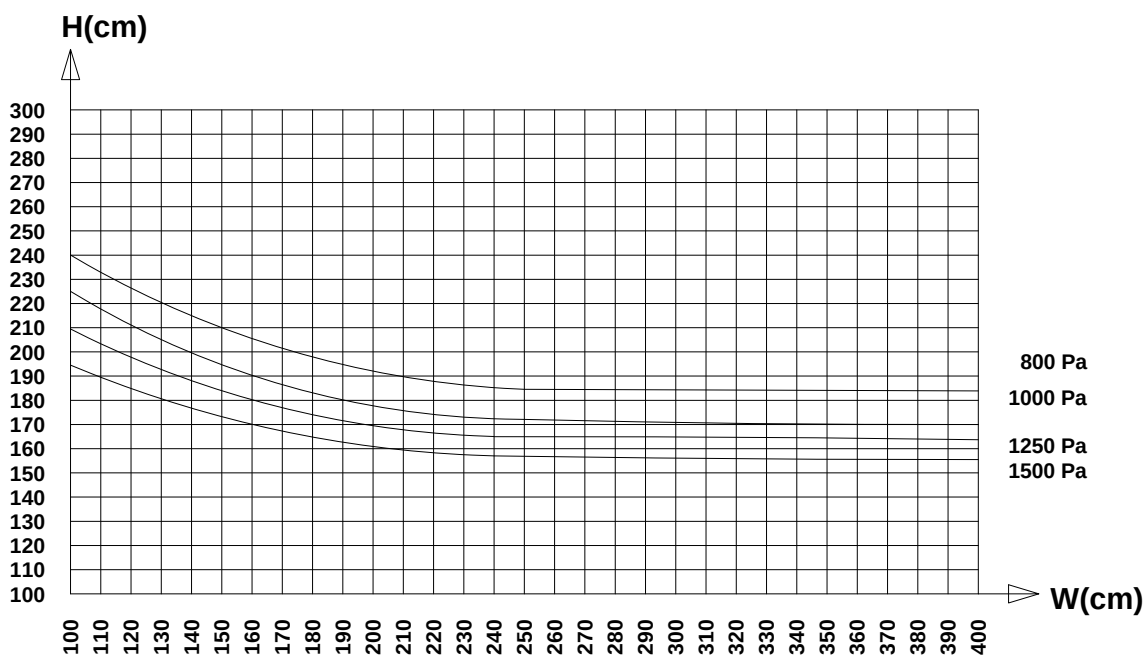
Do Not Scale From This Drawing

Interlock



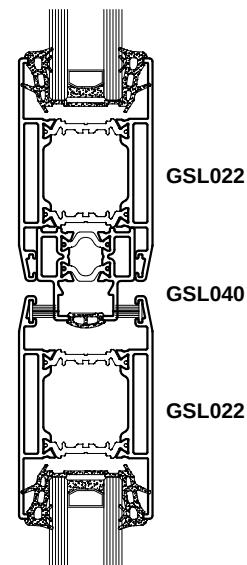
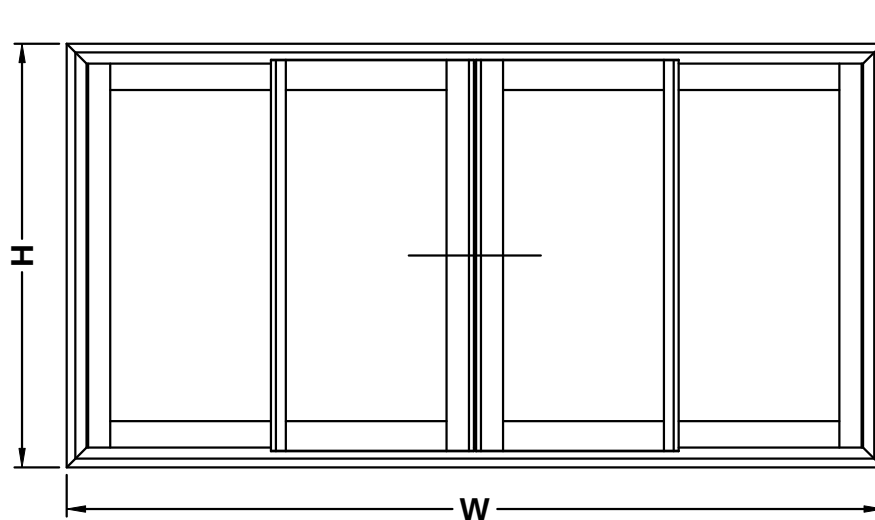
$$I_{xx} = 20.42 \text{ cm}^4$$

$$f_{max} = H/200 \text{ \& } H < 15 \text{ mm}$$



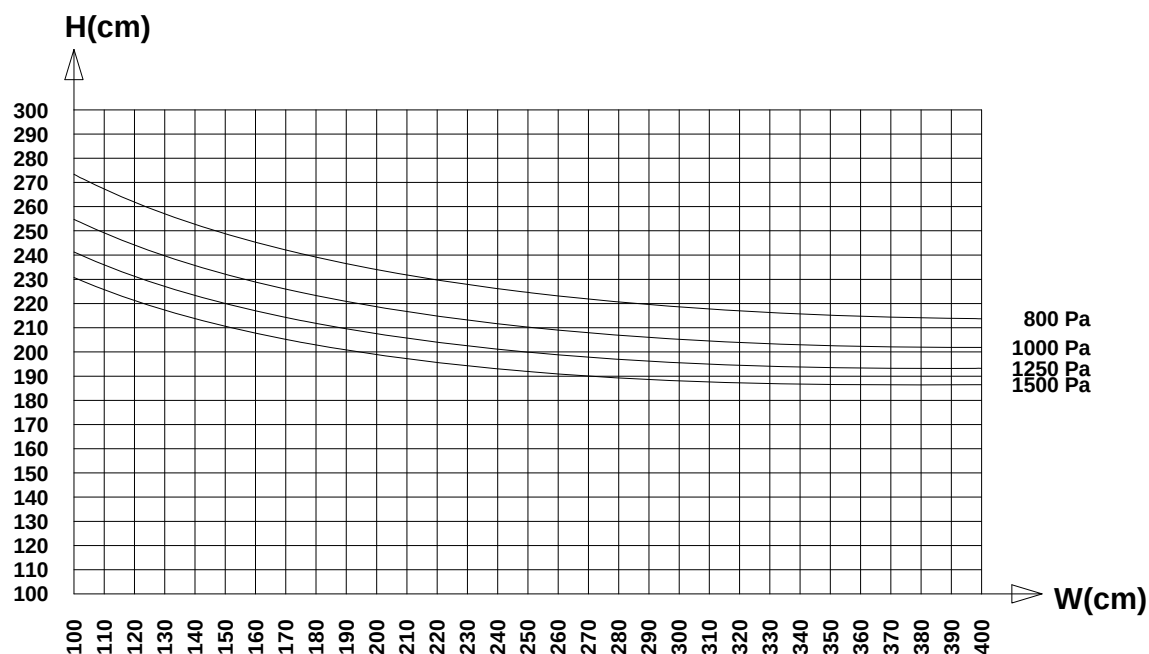
Do Not Scale From This Drawing

Meeting Stile



$$I_{xx} = 34.44 \text{ cm}^4$$

$$f_{max} = H/200 \text{ \& } H < 15 \text{ mm}$$



Do Not Scale From This Drawing

Do Not Scale From This Drawing