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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:	Class 3 (600Pa)
BS EN 1027: 2000 Watertightness:	Class 7A (300Pa)
BS EN 12211: 2000 Resistance to Wind Load:	Class 2 (800Pa)

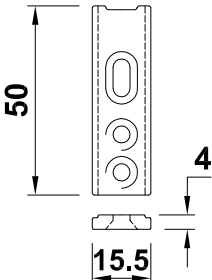
Note: Test results achieved using ACGSL042 woolpile

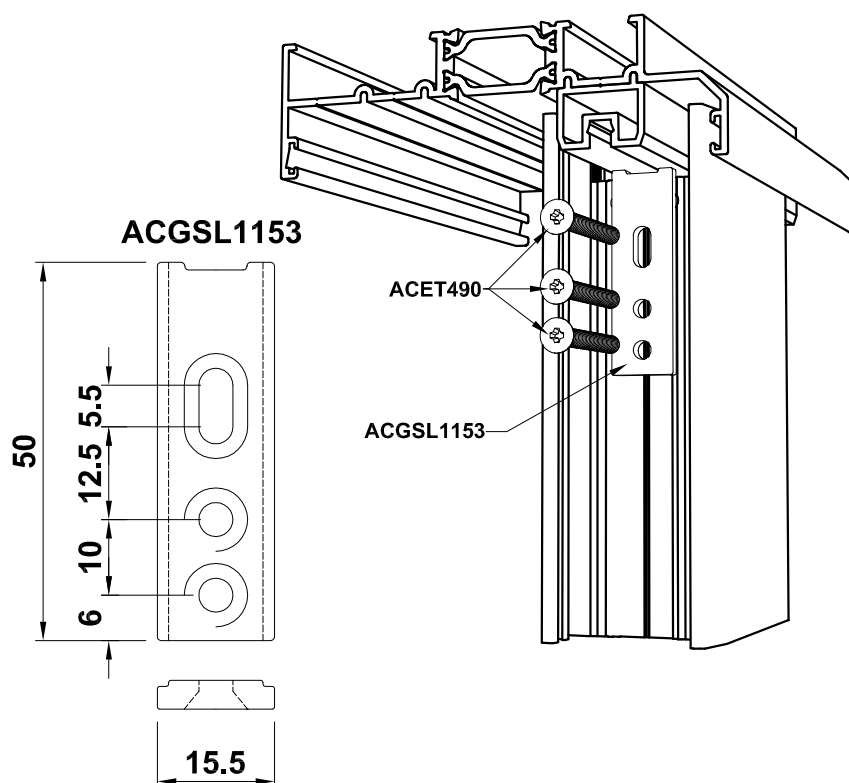
Slide Mono Rail U Values

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

Specification

Bulletin
ACGSL1153 - Locking Stile Anti-Lift Device
New

Image	Part Code	Pack	Unit	Application
	ACGSL1153 Locking Stile Anti-Lift Device	10	pack	GSL1110 GSL1120



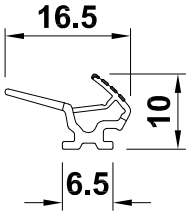
After installation, secure ACGSL1153 to locking stile through the elongated hole tight against the head and close/open to ensure easy operation. Then secure through the two remaining fixing holes.

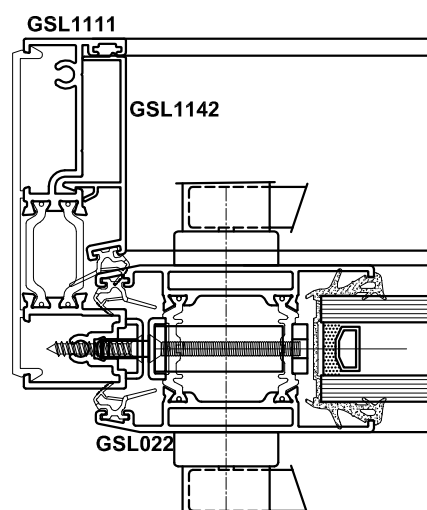
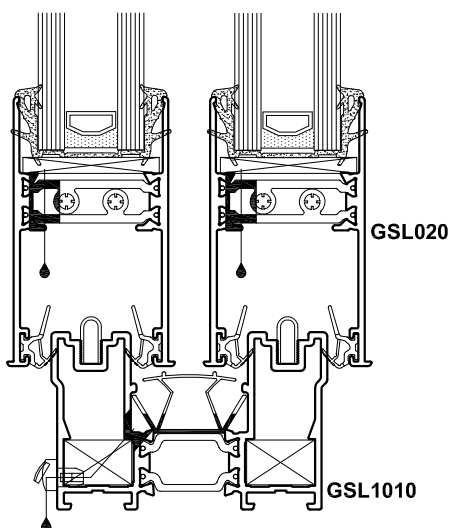
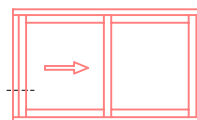
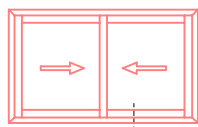
Bulletin
ACGSL1042

New frictionless gasket for Slide 2000 & Slide Mono which may be used as an alternative to ACGSL042 woolpile.

Advantages:

- Neat appearance
- Wipe clean surface
- Quieter operation

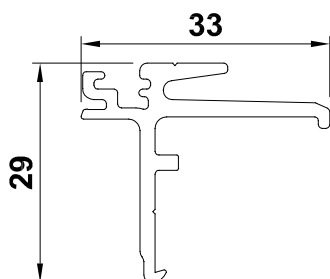
Image	Part Code	Pack	Unit
	ACGSL1042 Frictionless Gasket Colour: Grey with Black frictionless strips	250	m



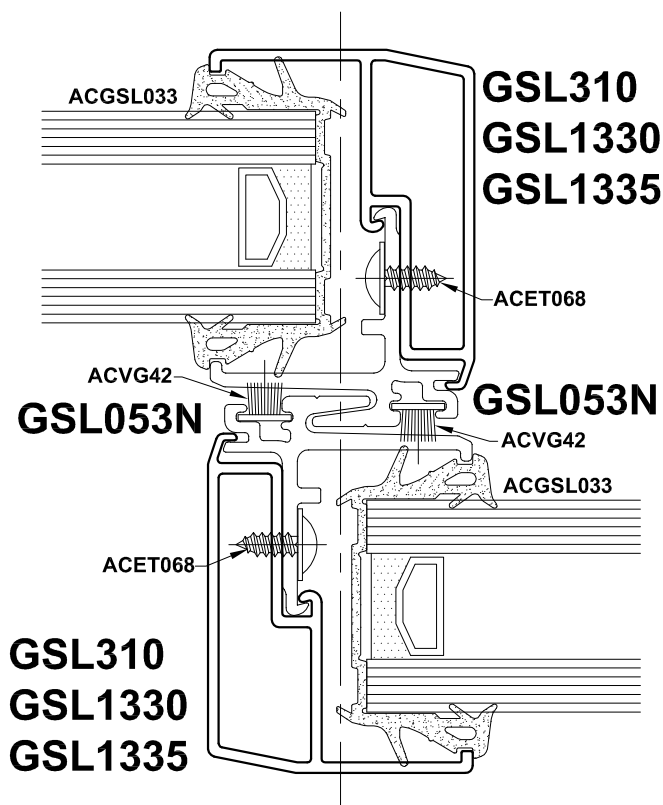
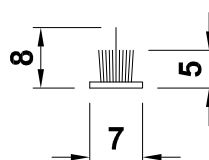
Bulletin
GSL053N

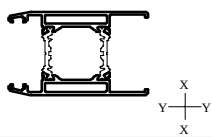
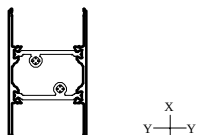
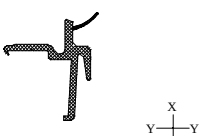
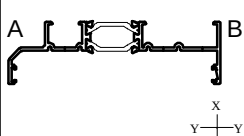
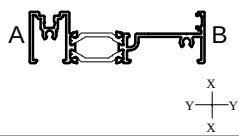
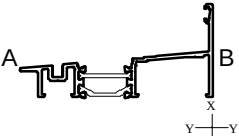
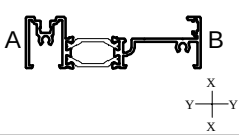
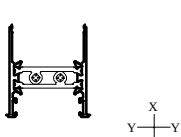
GSL053N supersedes GSL053 with immediate effect.
 GSL053N is produced using polyamide which is stronger than the original PVC version & offers tighter tolerances for an improved grip on the glass.

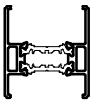
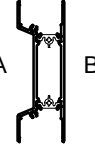
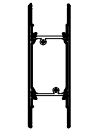
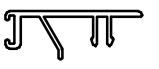
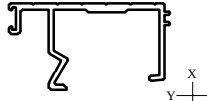
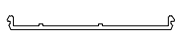
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GSL053N	-	-	- ----- -	- ----- -	6.6	1	✓				

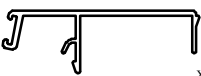
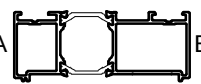
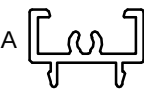
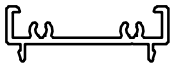
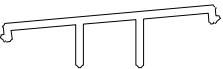
GSL053N


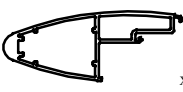
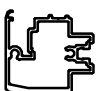
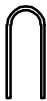
Use with ACVG42



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GSL022		A11	418	160	15.88 ----- 7.20	15.92 ----- 4.13	6.5	1	✓	✓	✓	✓	✓
GSL030		A11	349	145	10.85 ----- 5.30	9.23 ----- 2.64	6.5	1	✓	✓	✓	✓	✓
GSL040		A12	228	84	2.70 ----- 1.67	1.68 ----- 0.93	6.5	1	✓	✓	✓	✓	✓
GSL053		A12	-	-	- ----- -	- ----- -	6.5	1	✓				
GSL1110		A13	464	91	55.46 ----- 9.45	2.32 ----- 1.19	6.5	1	✓	✓	✓	✓	✓
GSL1111		A13	478	70	43.47 ----- 8.74	2.09 ----- 1.53	6.5	1	✓	✓	✓	✓	✓
GSL1112		A13	459	107	51.54 ----- 8.92	5.11 ----- 3.09	6.5	1	✓	✓	✓	✓	✓
GSL1114		A14	486	73	51.54 ----- 8.92	5.11 ----- 3.09	6.5	1	✓	✓	✓	✓	✓
GSL1120		A14	292	114	8.56 ----- 3.86	3.78 ----- 1.8	6.5	1	✓	✓	✓	✓	✓
								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
GSL1121	 	A14	289	108	10.27 ----- 4.66	4.00 ----- 1.79	6.5	1	✓	✓	✓	✓	✓
GSL1130	 	A15	653	271	14.39 ----- 6.03	69.88 ----- 11.27	6.5	1	✓	✓	✓	✓	✓
GSL1131	 	A15	570	253	23.79 ----- 11.63	80.58 ----- 13.00	6.5	1	✓	✓	✓	✓	✓
GSL1140	 	A16	91	44	- ----- -	- ----- -	6.5	1	✓				
GSL1141	 	A16	171	70	- ----- -	- ----- -	6.5	1	✓				
GSL1142	 	A16	193	74	- ----- -	- ----- -	6.5	1	✓				
GSL1143	 	A16	156	57	- ----- -	- ----- -	6.5	1	✓				
GSL1144	 	A16	260	73	- ----- -	- ----- -	6.5	1	✓				
GSL1145	 PVC 	A17	-	-	- ----- -	- ----- -	6.5	1	✓				
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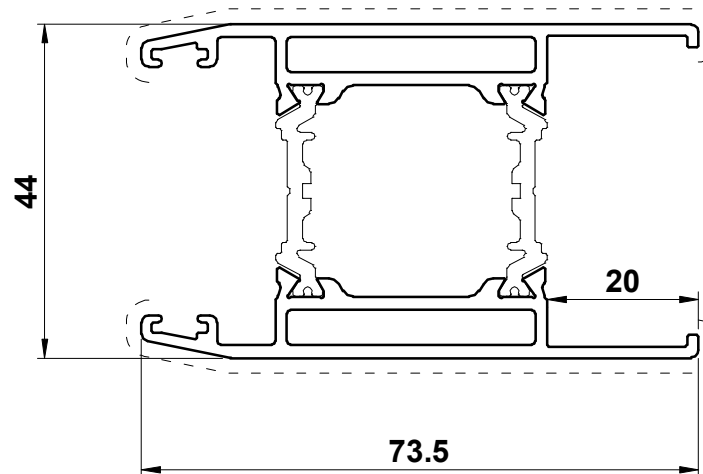
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GSL1148	 	A17	296	78	- ----- -	- ----- -	6.5	1	✓				
GSL1149	 	A18	162	42	- ----- -	- ----- -	6.5	1	✓				
GSL1150	 	A18	188	54	- ----- -	- ----- -	6.5	1	✓				
GSL1155	 	A19	381	71	48.1 ----- 10.13	7.4 ----- 4.22	6.5	1	✓	✓	✓	✓	✓
GSL1157	 	A19	121	21	- ----- -	- ----- -	6.5	1	✓				
GSL1158	 	A19	178	21	- ----- -	- ----- -	6.5	1	✓				
GSL1423	 PVC 	A13	-	-	- ----- -	- ----- -	7	1	✓				
							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
GSL1330	 	A20	170	83	38.86 ----- 7.38	7.38 ----- 3.83	6.5	1	✓				
GSL1333	 	A21	250	108	8.56 ----- 3.27	10.21 ----- 4.81	6.5	1	✓				
GSL1335	 	A20	215	127	16.63 ----- 3.66	5.22 ----- 3.83	6.5	1	✓				
GSL310	 	A20	248	162	3.79 ----- 1.39	1.48 ----- 0.59	6.5	1	✓				
VG52	 PVC 	A21	-	-	- ----- -	- ----- -	6.5	1	✓				
VG53	 STAINLESS STEEL 	A21	-	-	- ----- -	- ----- -	6.5	1	✓				
							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				

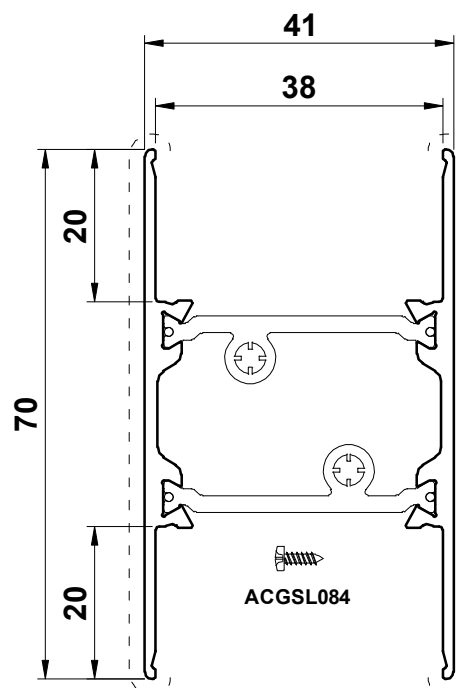
Primary Visible Side

Secondary Visible Side

GSL022 Locking Stile Section



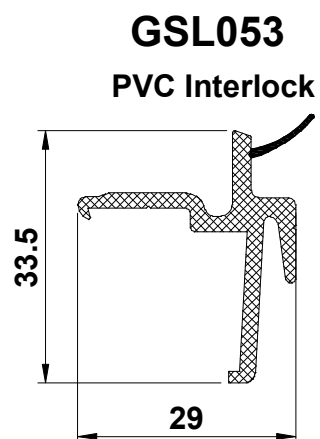
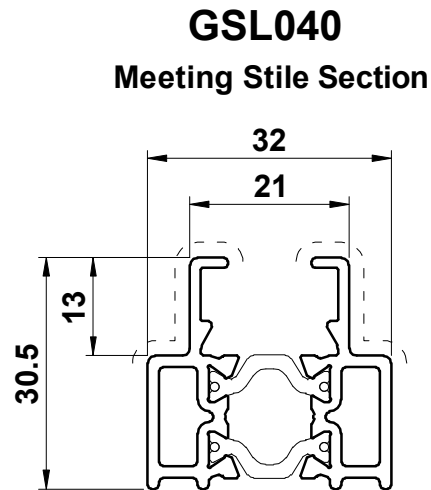
GSL030 Mid Rail



Scale 1:1

Primary Visible Side

Secondary Visible Side



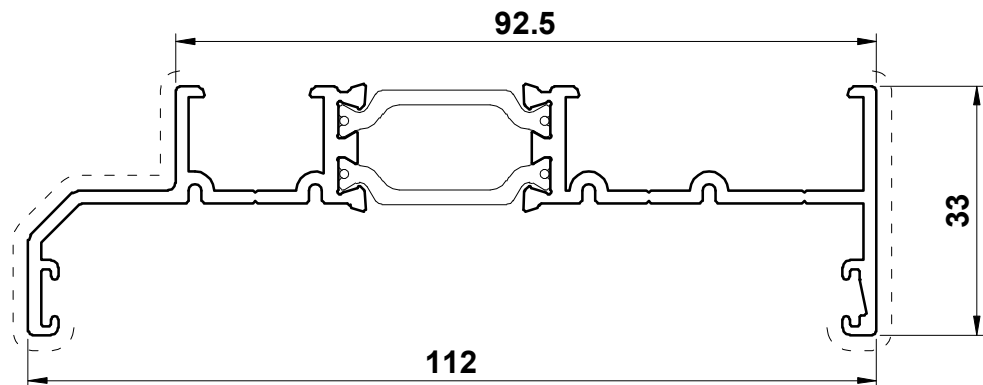
Scale 1:1

Primary Visible Side

Secondary Visible Side

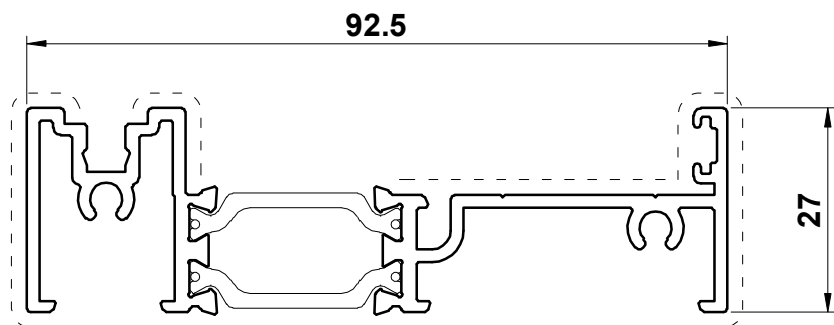
GSL1110

Head Section



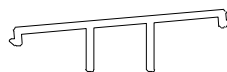
GSL1111

Jamb Section



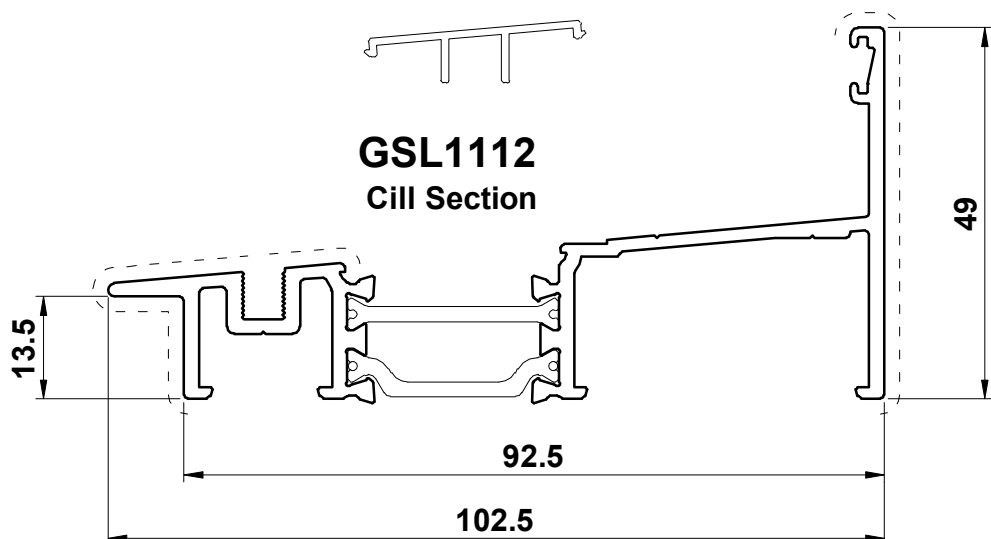
GSL1423

PVC Cill Infill Section (Black Only)



GSL1112

Cill Section

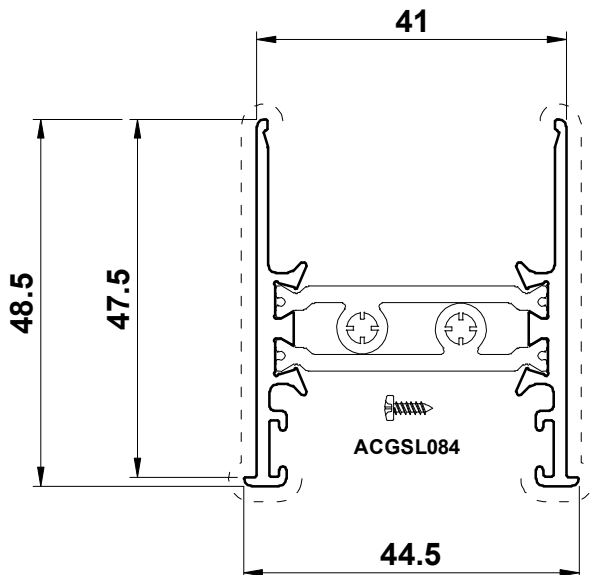
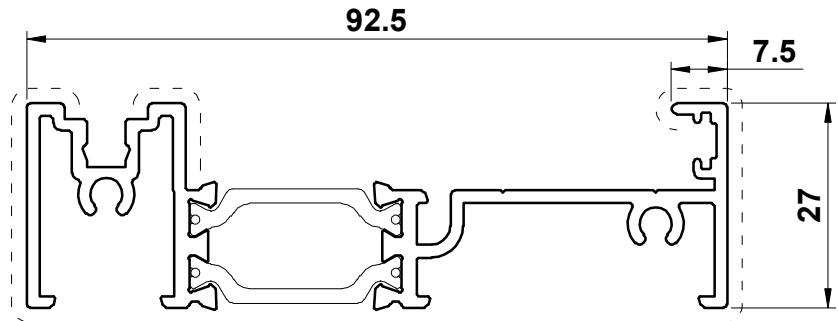


Scale 1:1

Primary Visible Side

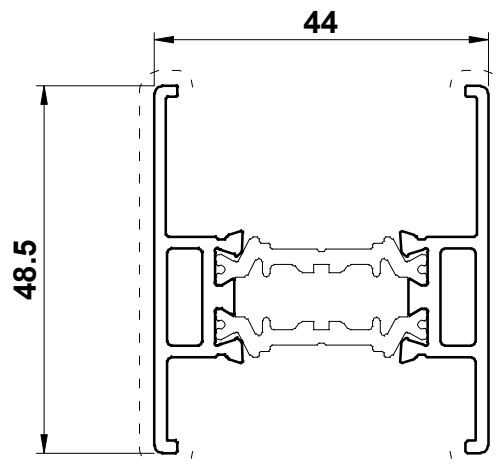
Secondary Visible Side

GSL1114
Jamb Section
to conceal weather seal



GSL1120
Top & Bottom Rail

GSL1121
Fixed Sash Stile

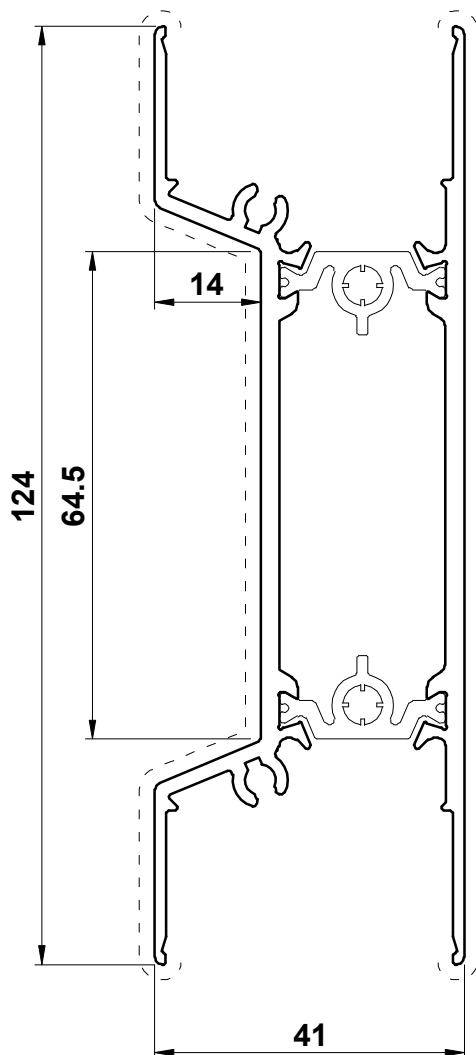


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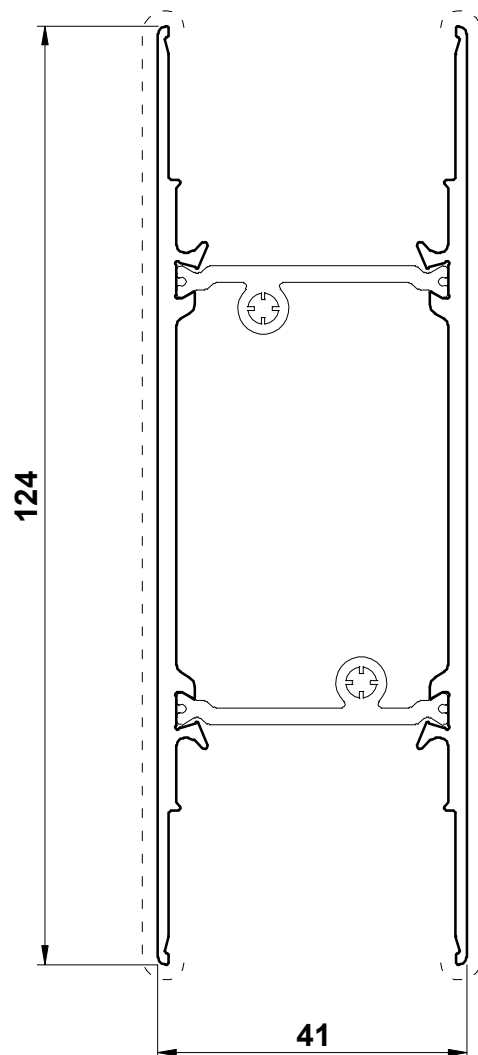
Primary Visible Side

Secondary Visible Side

GSL1130
Mid-Rail for Letter Plate



GSL1131
Mid-Rail



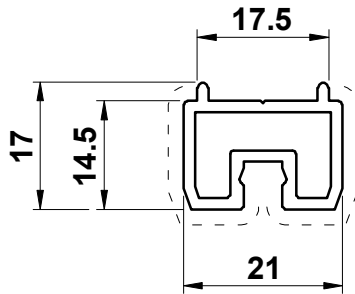
Scale 1:1

Primary Visible Side

Secondary Visible Side

GSL1140

Head Guide Section



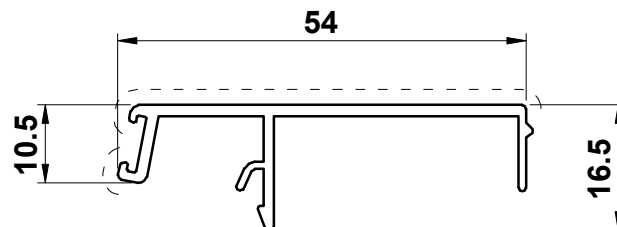
GSL1141

Internal Head Clip Plate



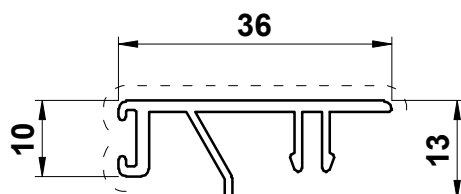
GSL1142

Internal Jamb Clip Plate
for GSL1111



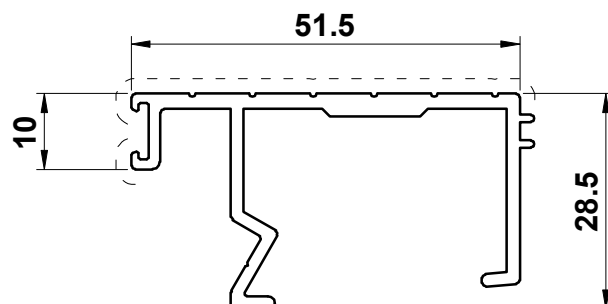
GSL1143

External Jamb Clip Plate



GSL1144

Internal Cill Clip Plate

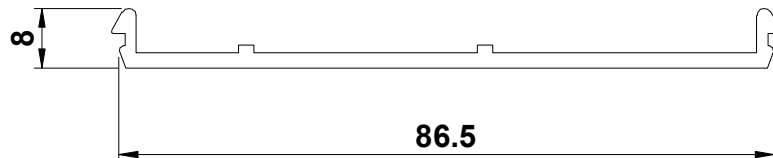


Scale 1:1

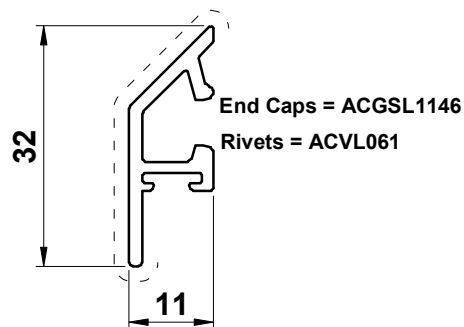
Primary Visible Side

Secondary Visible Side

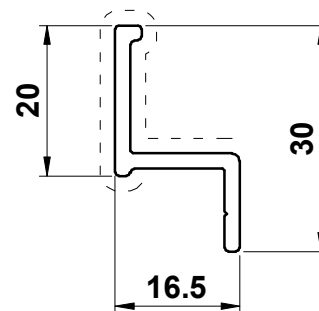
GSL1145 External PVC Clip Plate



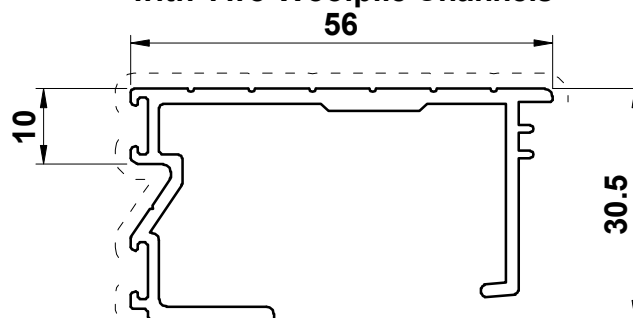
GSL1146 Sash Weather Bar



GSL1147 External Cill Upstand



GSL1148 Internal Cill Clip Plate with Two Woolpile Channels



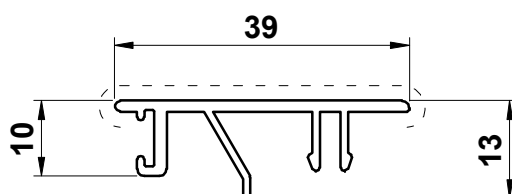
Scale 1:1

Primary Visible Side

Secondary Visible Side

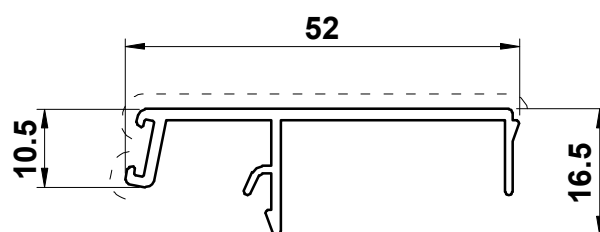
GSL1149

External Jamb Clip Plate
to conceal weather seal



GSL1150

Internal Jamb Clip Plate
for GSL1114

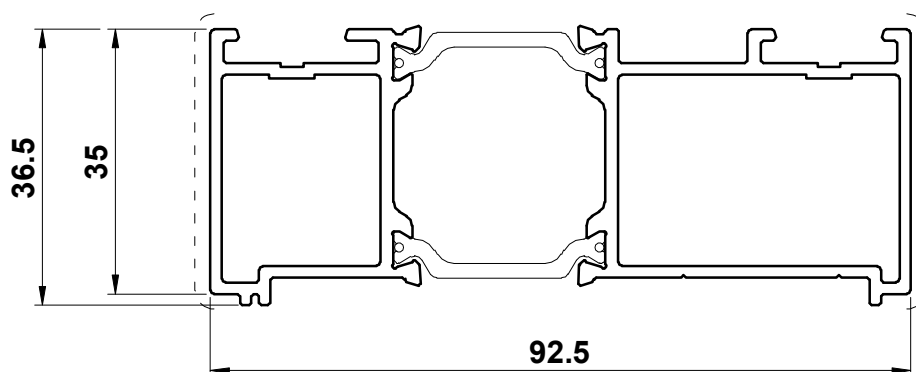


Scale 1:1

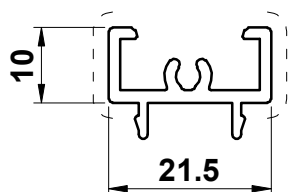
Primary Visible Side

Secondary Visible Side

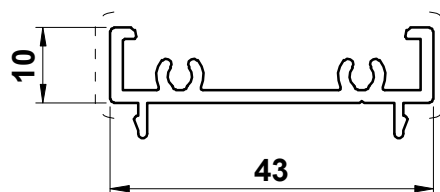
GSL1155 Head Extension



GSL1157 Frame Extension



GSL1158 Frame Extension



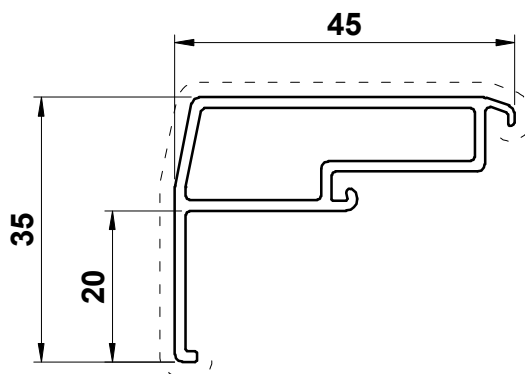
Scale 1:1

Primary Visible Side

Secondary Visible Side

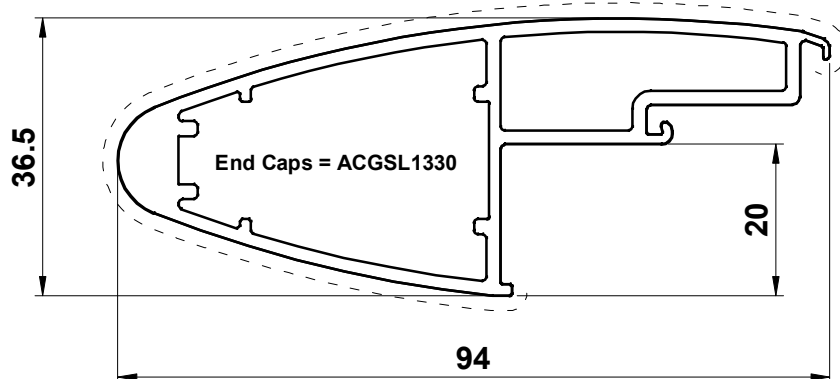
GSL310

Interlock



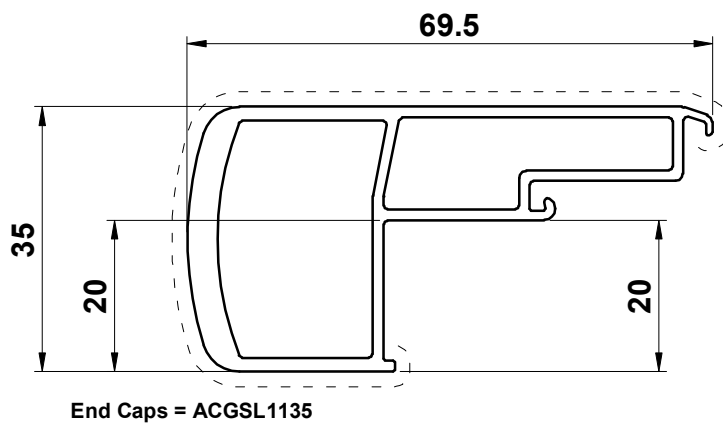
GSL1330

Reinforced Interlock



GSL1335

Reinforced Interlock

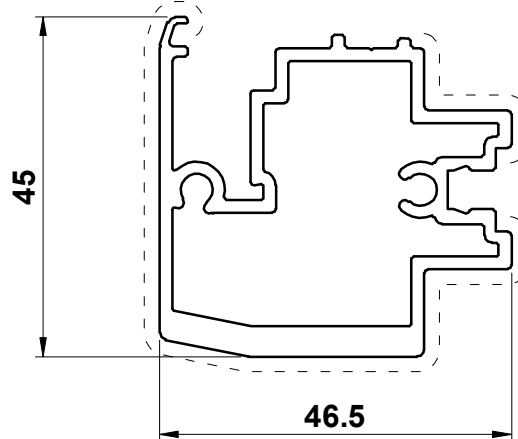


Scale 1:1

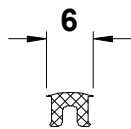
Primary Visible Side

Secondary Visible Side

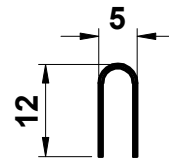
GSL1333
Fixed Interlock



VG52
PVC Infill (Black Only)



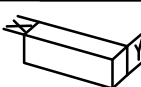
VG53
Stainless Steel Track



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 ACGSL1128	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

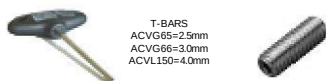
Image	Part Code	Pack	Unit	Application	Colour	
	ACET490 4.3 x 16mm Polyamide Screw	200	pack		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACSL180 Cast Handle Set	1	pair	GSL022 ACGSL1174	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	✓
					W	✓
					Z	
					PC	✓
	ACSL181 Aluminium Handle Set	1	pair	GSL022 ACGSL1174	MF	
					SA	✓
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACSL182 Dummy Handle Set for ACSL180	1	pair	GSL022 ACGSL1174	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	✓
					W	✓
					Z	
					PC	✓
	ACSL183 Dummy Handle Set for ACSL181	1	pair	GSL022 ACGSL1174	MF	
					SA	✓
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm  Screw (Gnub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black			

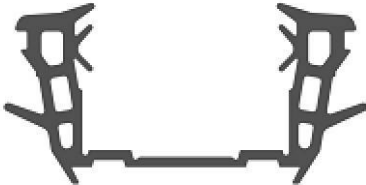
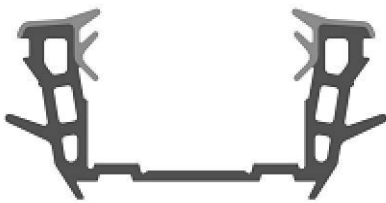
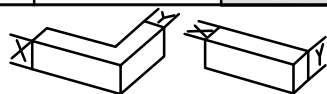
Image	Part Code	Pack	Unit	Application	Colour	
	ACGSL032 24mm Glazing Gasket	25	m	GSL022 GSL030 GSL310 GSL1120 GSL1121 GSL1330	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL032G 24mm Glazing Gasket - Grey	25	m	GSL022 GSL030 GSL310 GSL1120 GSL1121 GSL1330	MF	
					SA	
					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		

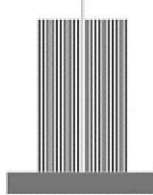
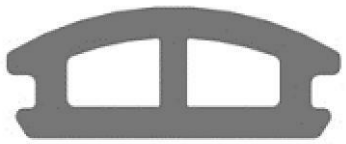
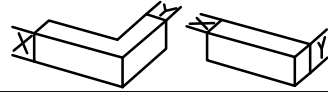
Image	Part Code	Pack	Unit	Application	Colour
	ACGSL034G 32mm Glazing Gasket - Grey	25	m	GSL022 GSL030 GSL310 GSL1120 GSL1121 GSL1330	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL040 End Cap	1	each	GSL040	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL042 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	

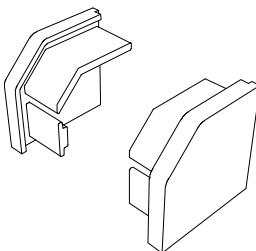
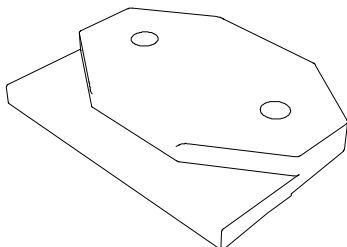
Image	Part Code	Pack	Unit	Application	Colour	
	ACGSL080 Screw	100	pack	GSL040	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL084 Screw	100	pack	GSL020 GSL021 GSL021 CSL030	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL1042 Frictionless Gasket Colour: Grey with black lines	250	m	GSL1120	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACGSL1110 End Caps for GSL1110	10	pairs	GSL1110	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	✓
					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		

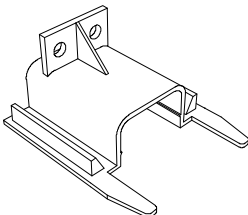
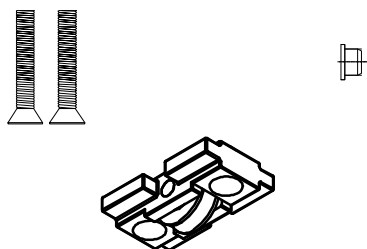
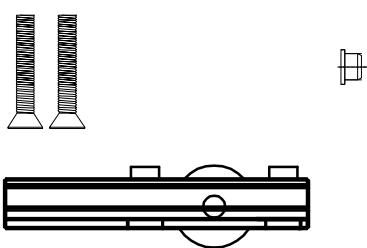
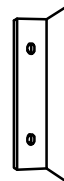
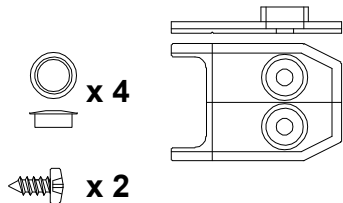
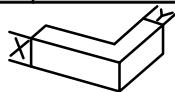
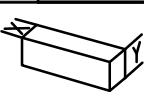
Image	Part Code	Pack	Unit	Application	Colour	
	ACGSL1122 End Cap for GSL022	10	pack	GSL022	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACGSL1125 Fixed Sash Roller	1	each	GSL1120	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL1128 Adjustable Sash Roller	1	each	GSL1120	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	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	
 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		 	

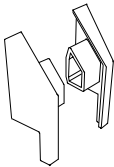
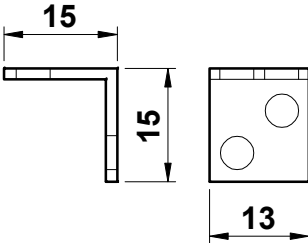
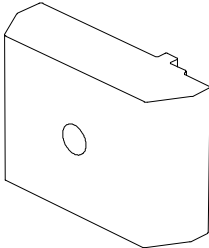
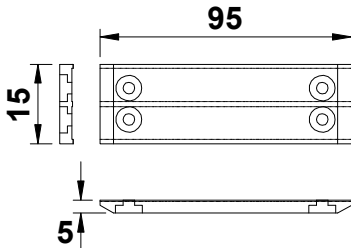
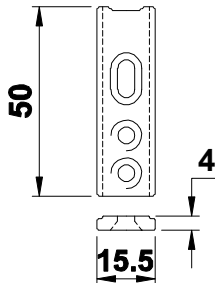
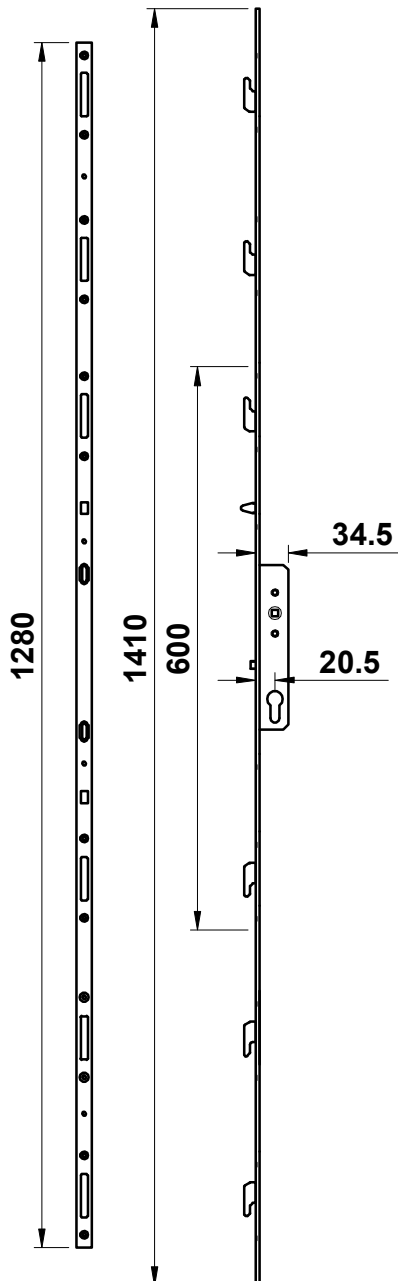
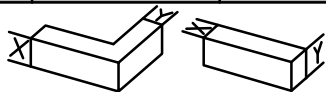
Image	Part Code	Pack	Unit	Application	Colour
	ACGSL1146 End Caps for GSL1146 - Weather Bar	50	pairs	GSL1146	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL1150 Fixing Bracket for Fixed Sash	10	pack		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL1151 Fixed Sash Location Block	100	pack	GSL1121	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL1152 Anti-Lift Block	50	pack	GSL1110 GSL1120	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL1153 Locking Stile Anti-Lift Block	10	pack	GSL1110 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
	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
					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
	ACSGL1174 Multi-point Lock Can be cut down to 600mm leaving two locking points			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			

Slide Mono Rail

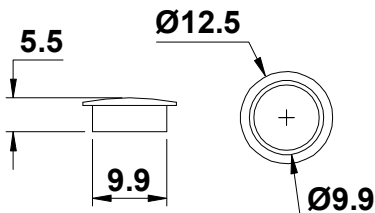
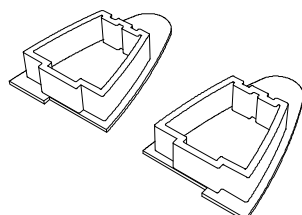
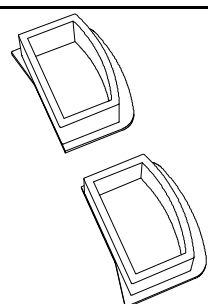
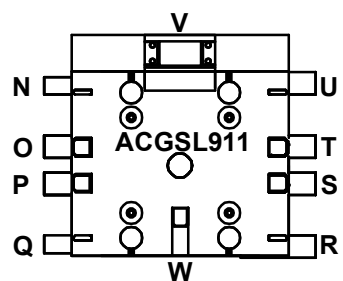
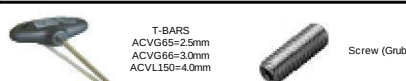
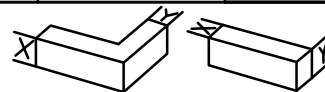
Image	Part Code	Pack	Unit	Application	Colour
	ACGSL1180 Screw Cover Cap	100	pack	ACGSL1174 ACET122	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL1330 End Cap for GSL1330	10	pairs	GSL1330	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL1335 End Cap for GSL1335	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
	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
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm 					
MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour GOZ = Gold PC = Polished Chrome W = White Z = Black					

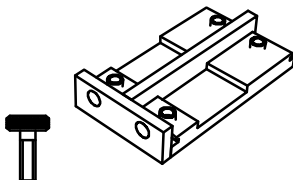
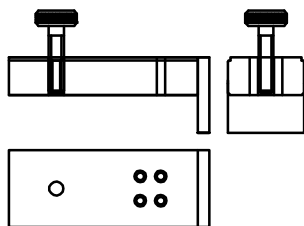
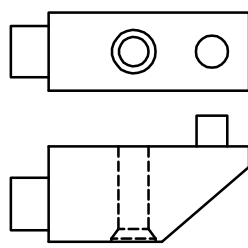
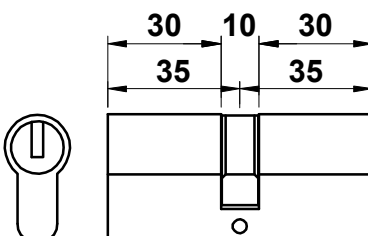
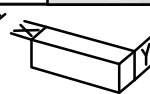
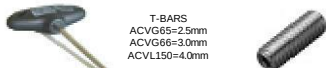
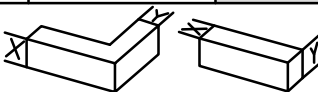
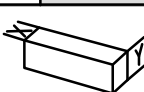
Image	Part Code	Pack	Unit	Application	Colour	
	ACGSL9001 Drill Jig Please see Section E for application.	1	each	GSL1110 GSL1111 GSL1112	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACGSL9002 Drill Jig Please see Section E for application.	1	each	GSL022 GSL310 GSL1330 GSL1335	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	
	ACMX01615 35/35 Cylinder For keyed alike order ACMX01615SL	1	each	ACGSL1174	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	
	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	
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour		M = Dual Colour GOZ = Gold W = White Z = Black			

Slide Mono Rail

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		
		 				

Slide Mono Rail

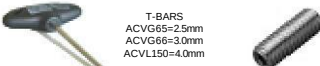
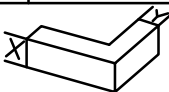
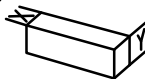
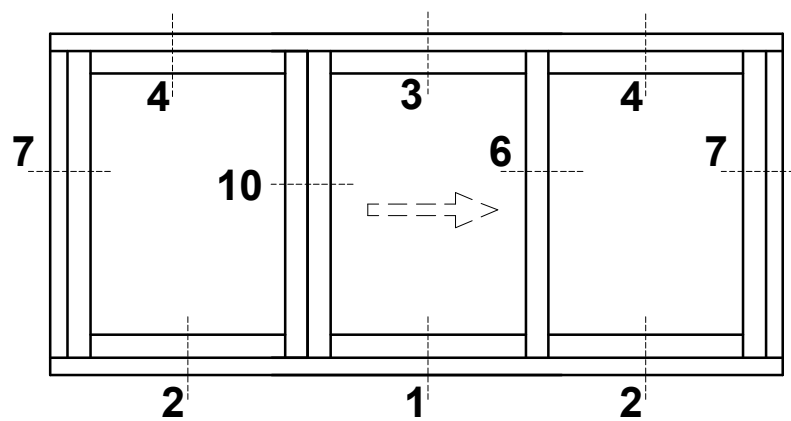
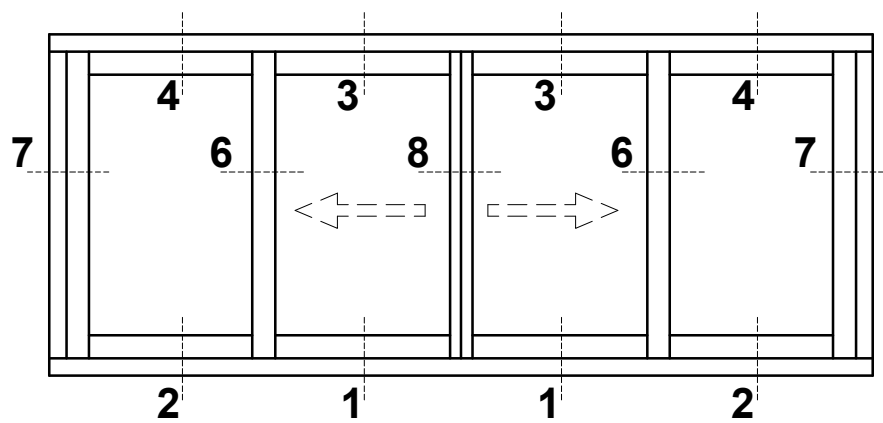
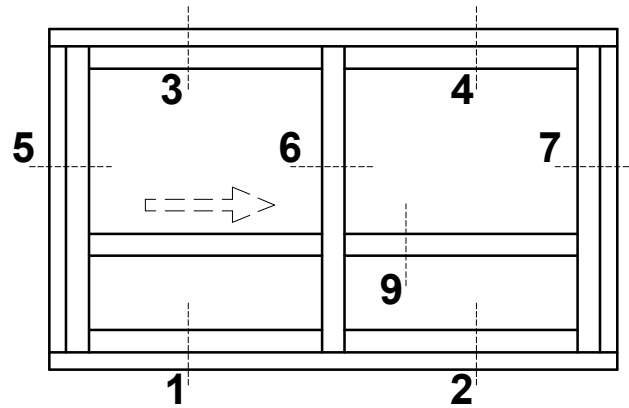
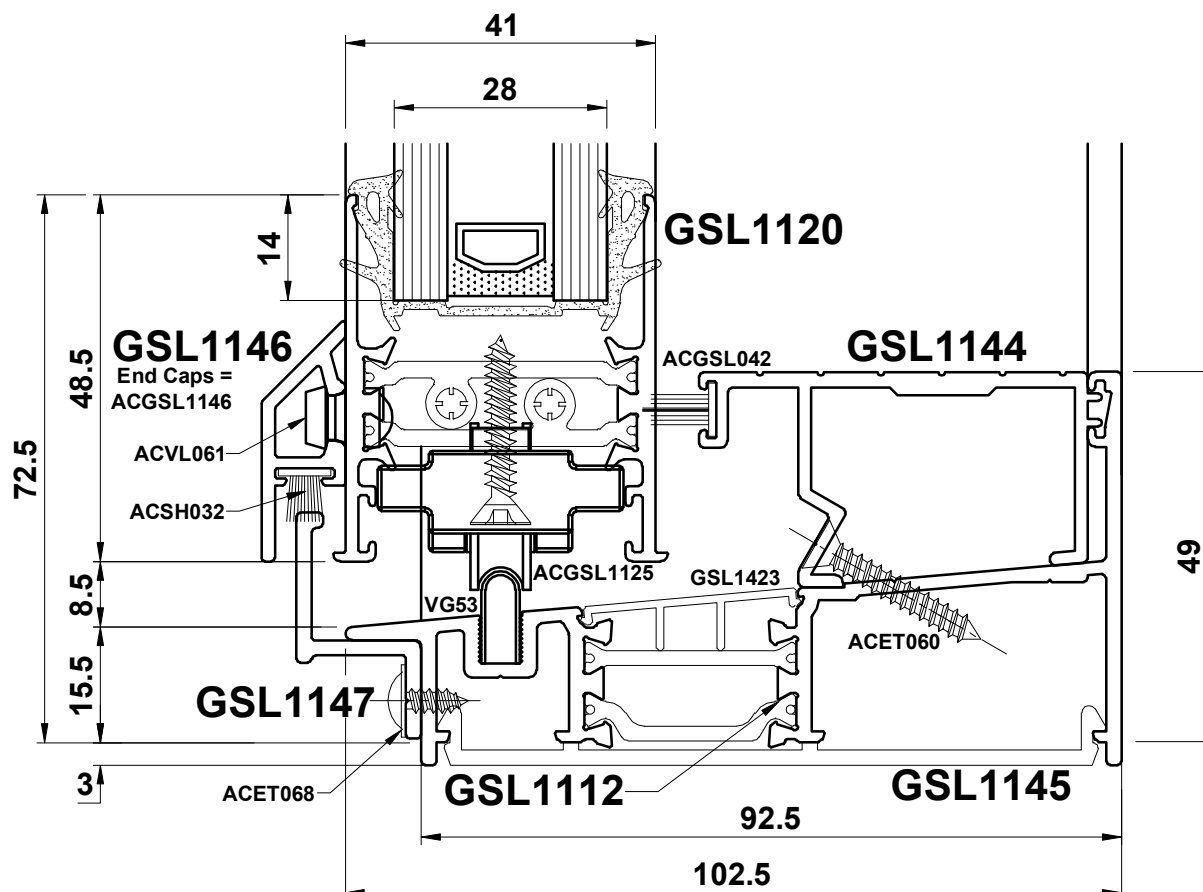
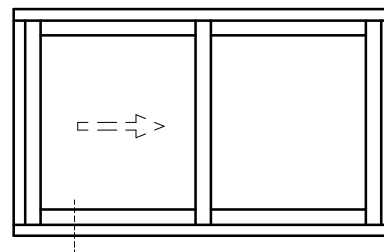
Image	Part Code	Pack	Unit	Application	Colour	
	ACMX09803 Protective Tape 100mm	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
	ACMX09830 Rubber Sealant	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
	ACSIL04 Sealing Glue	1	each		MF	
					SA	
					KL	
					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 	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

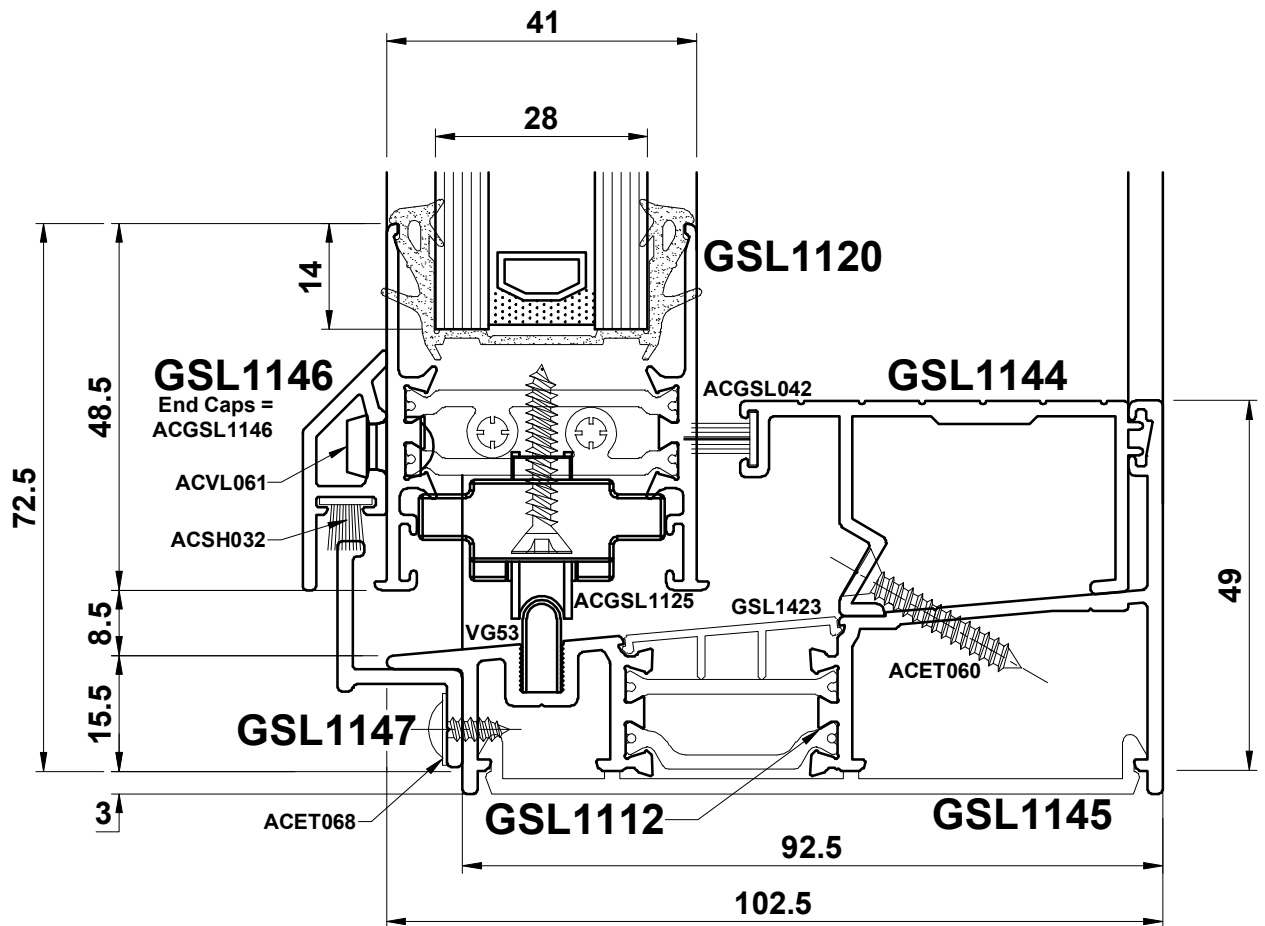
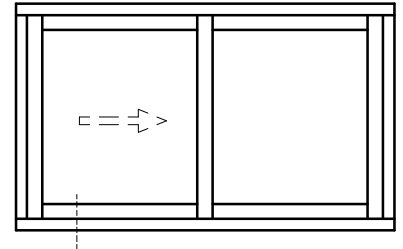


Detail 1A



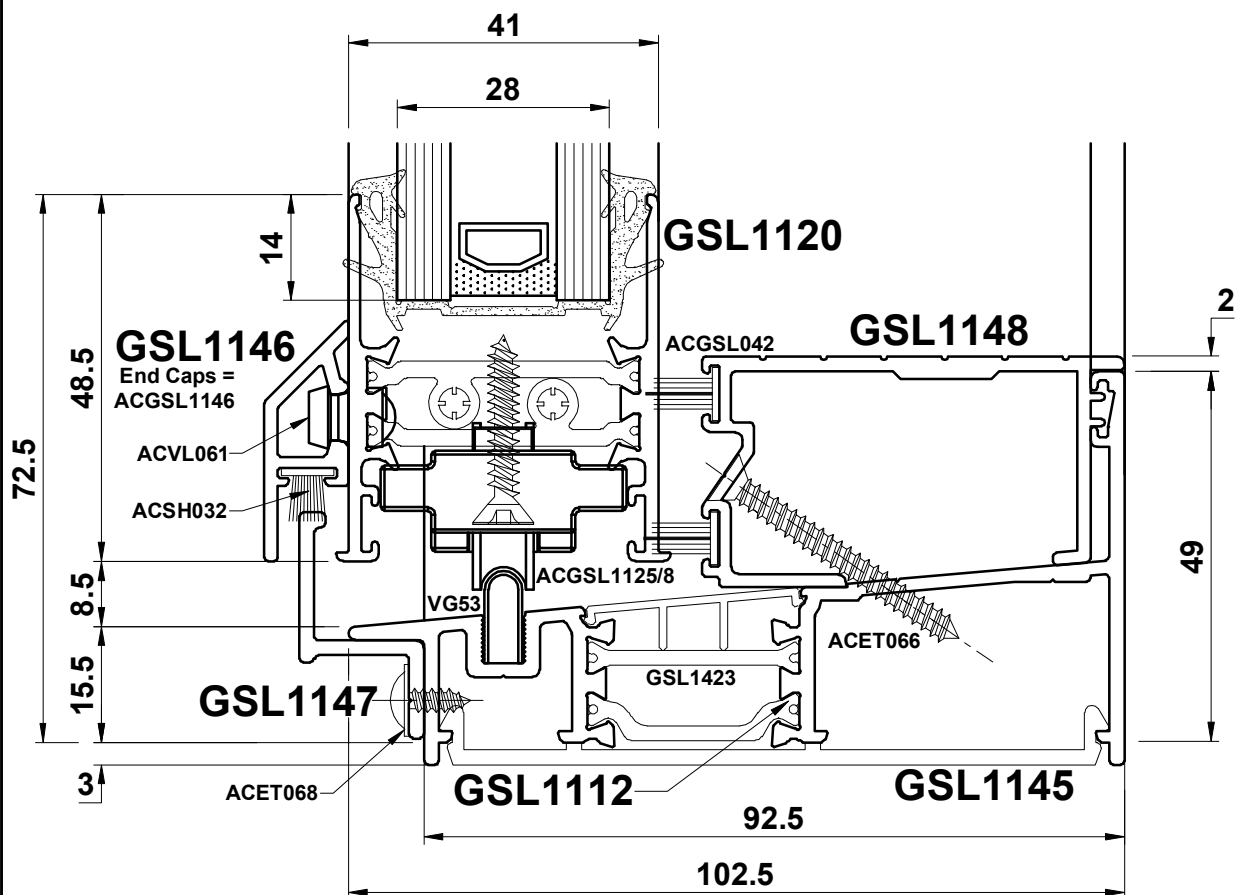
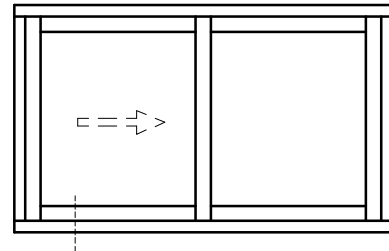
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Detail 1B



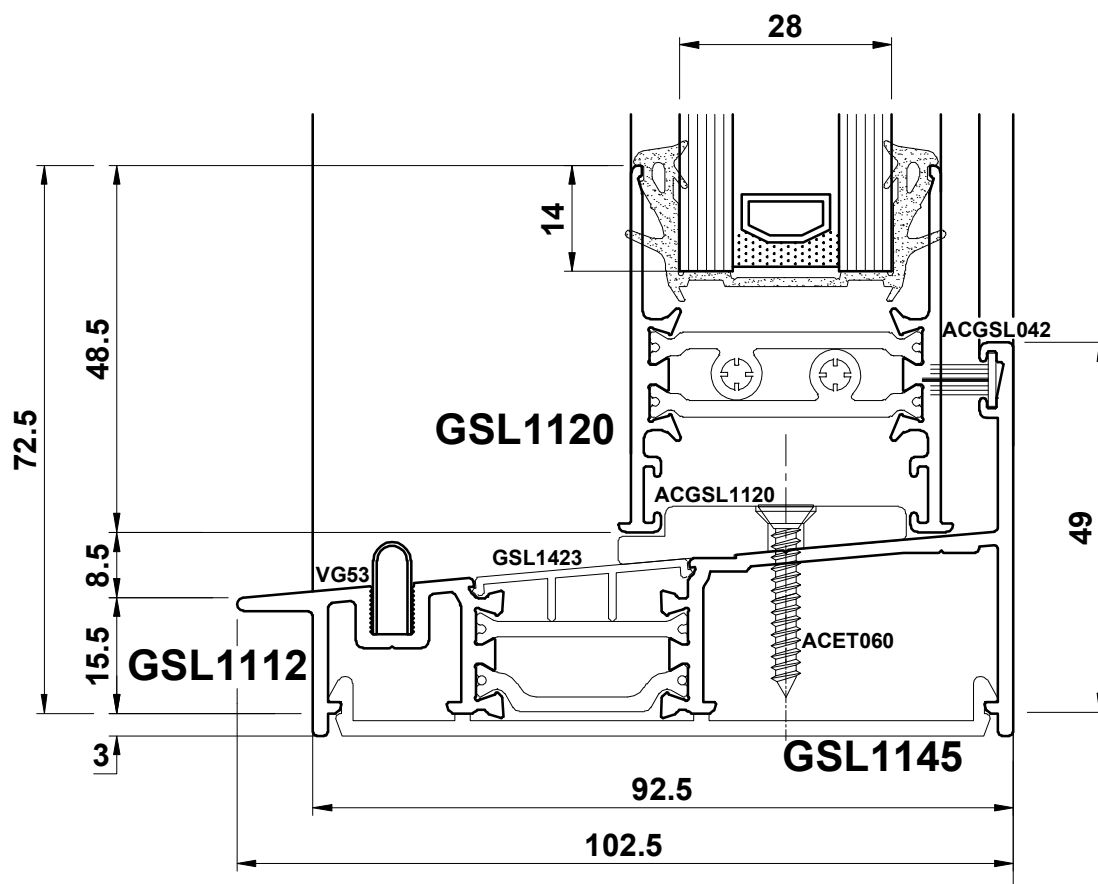
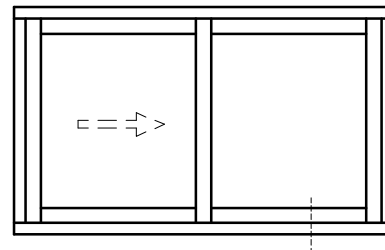
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Detail 1C



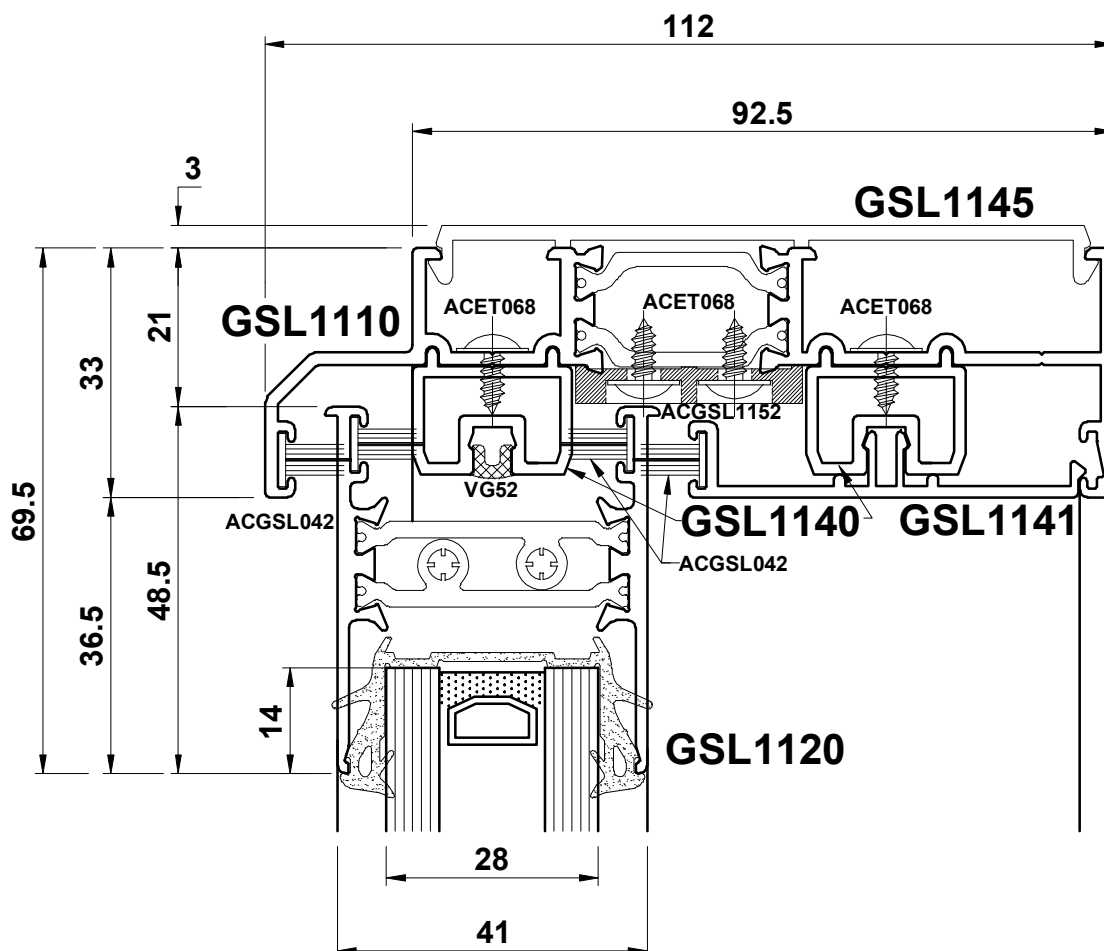
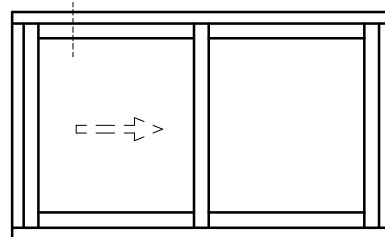
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Detail 2



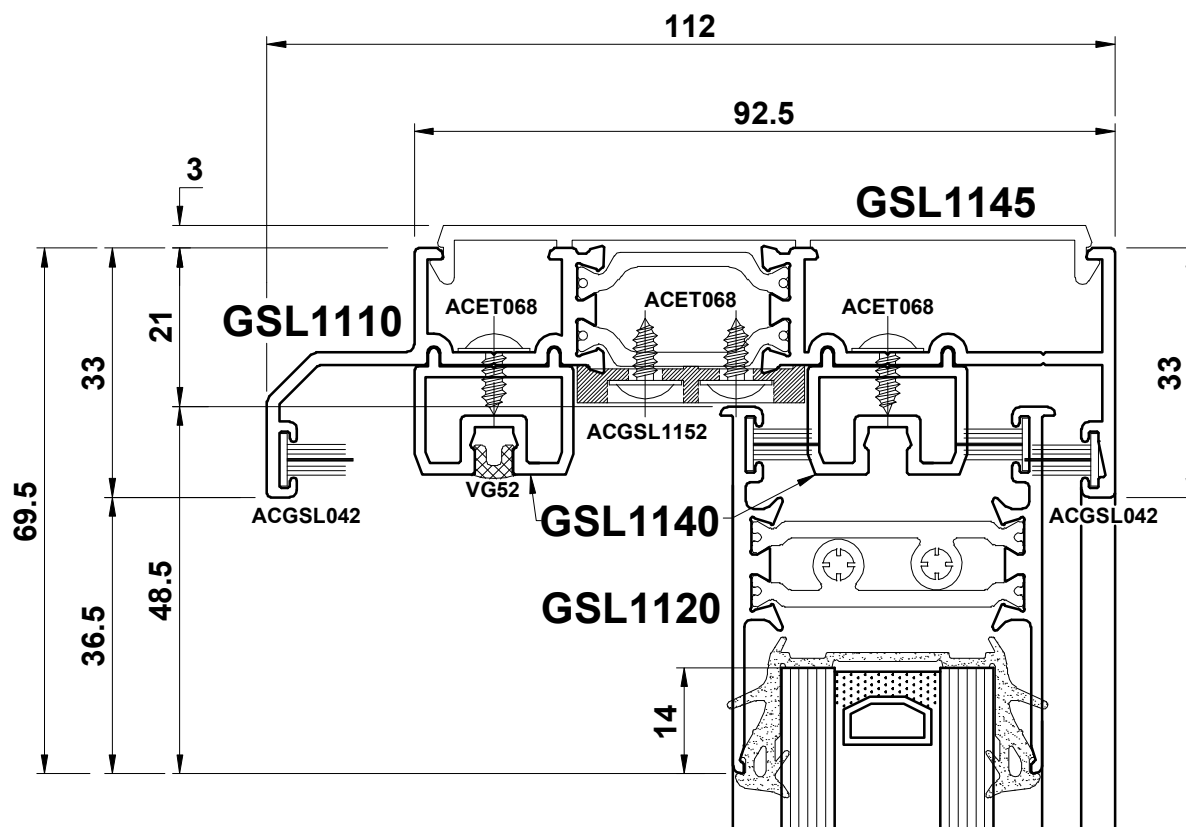
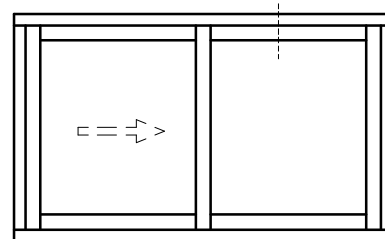
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Detail 3



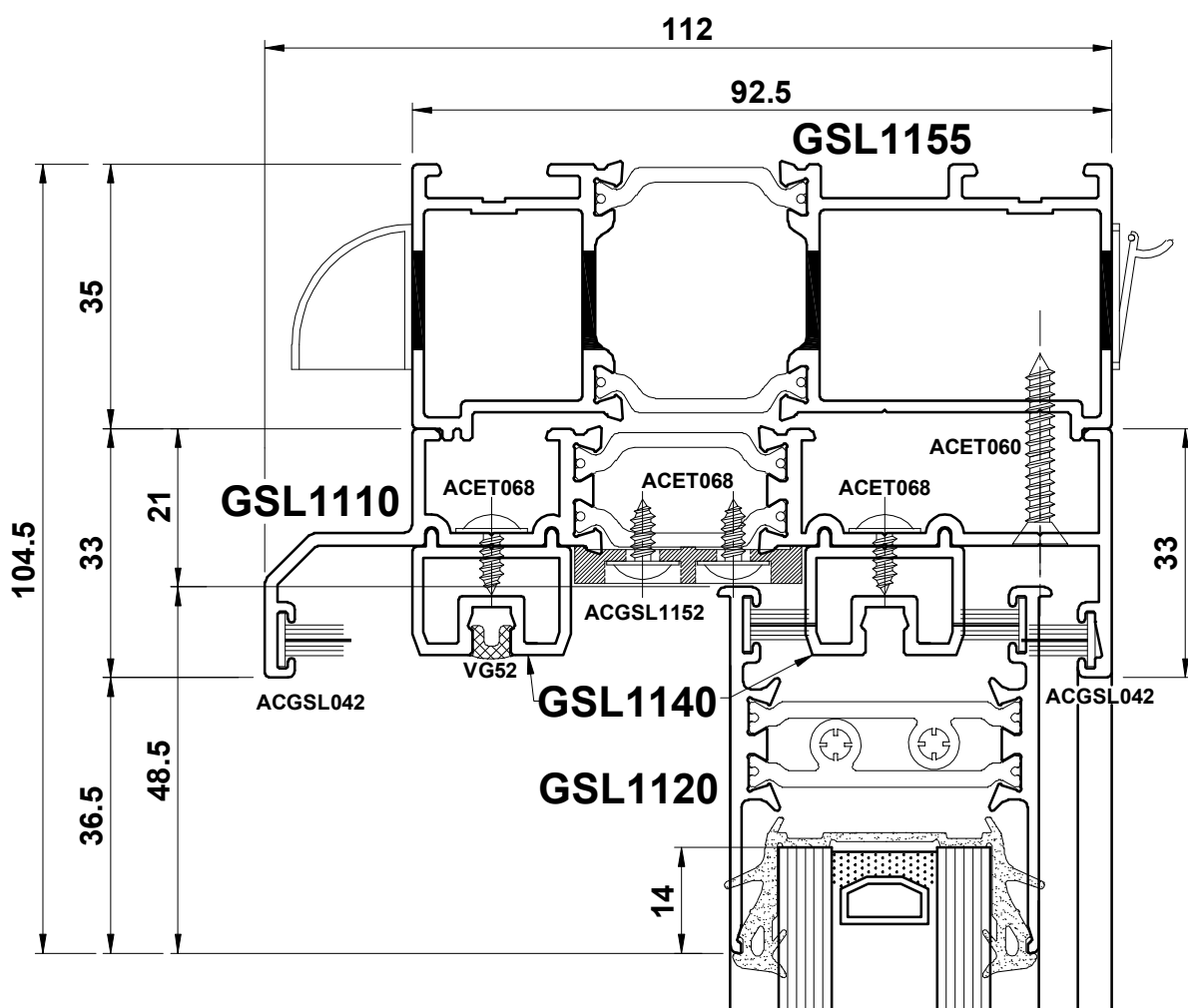
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Detail 4A



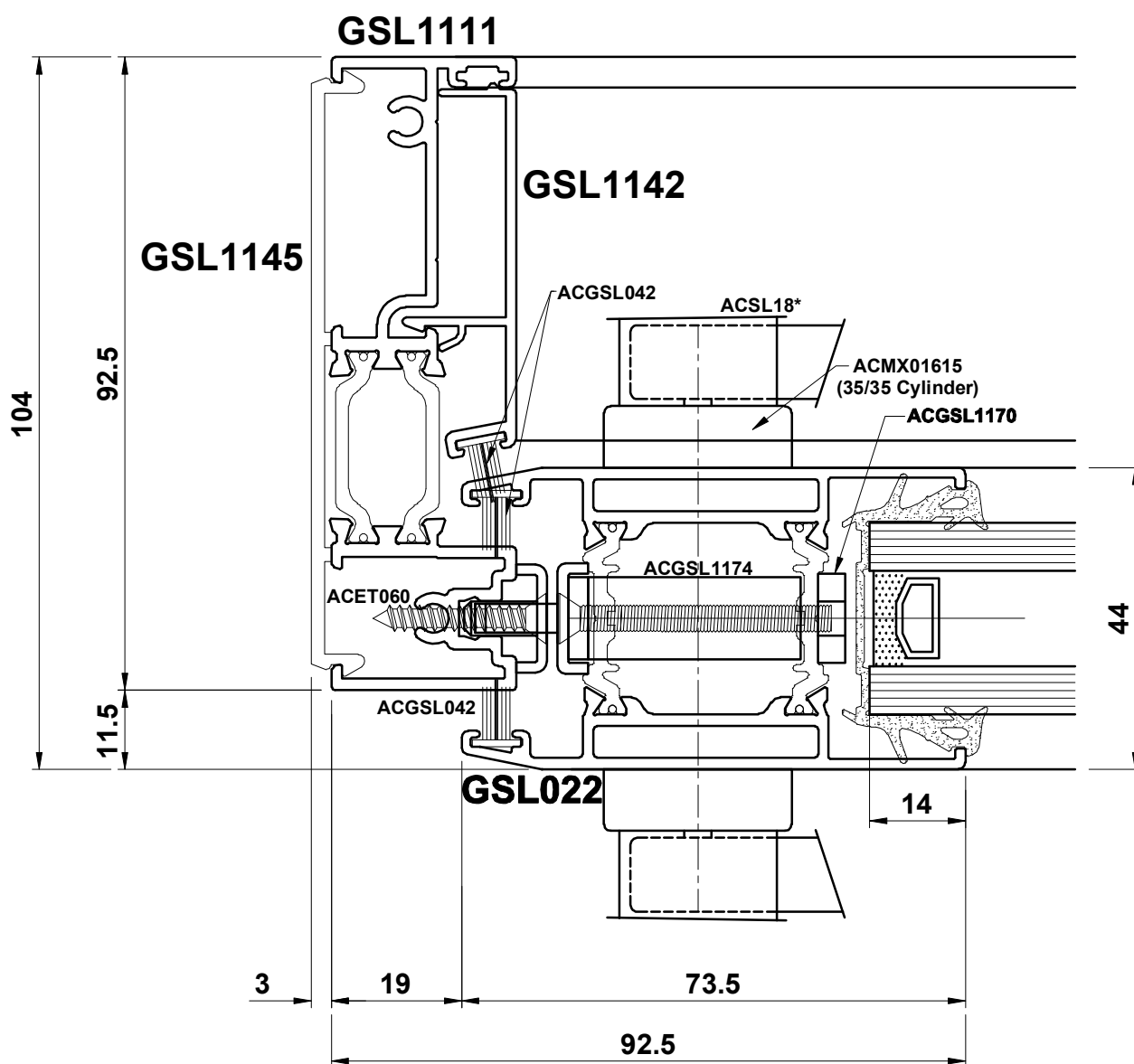
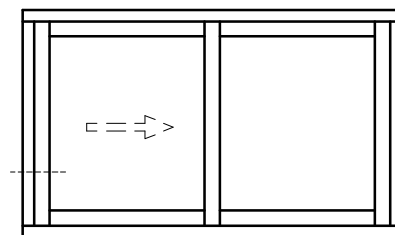
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Detail 4B



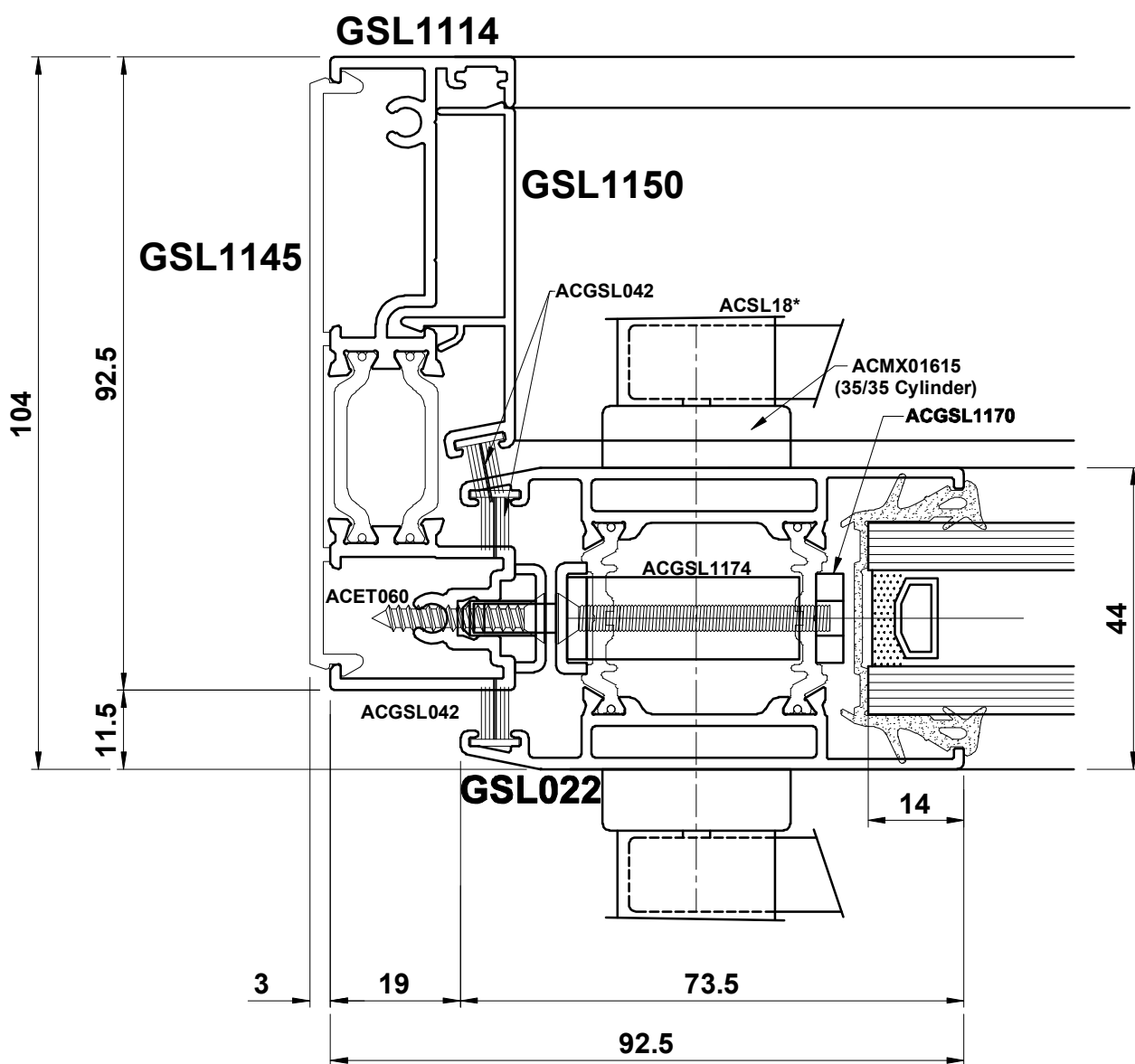
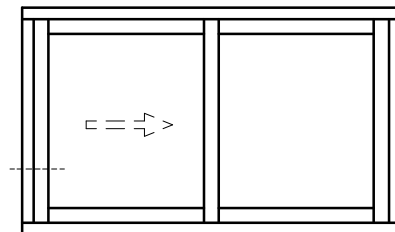
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Detail 5A



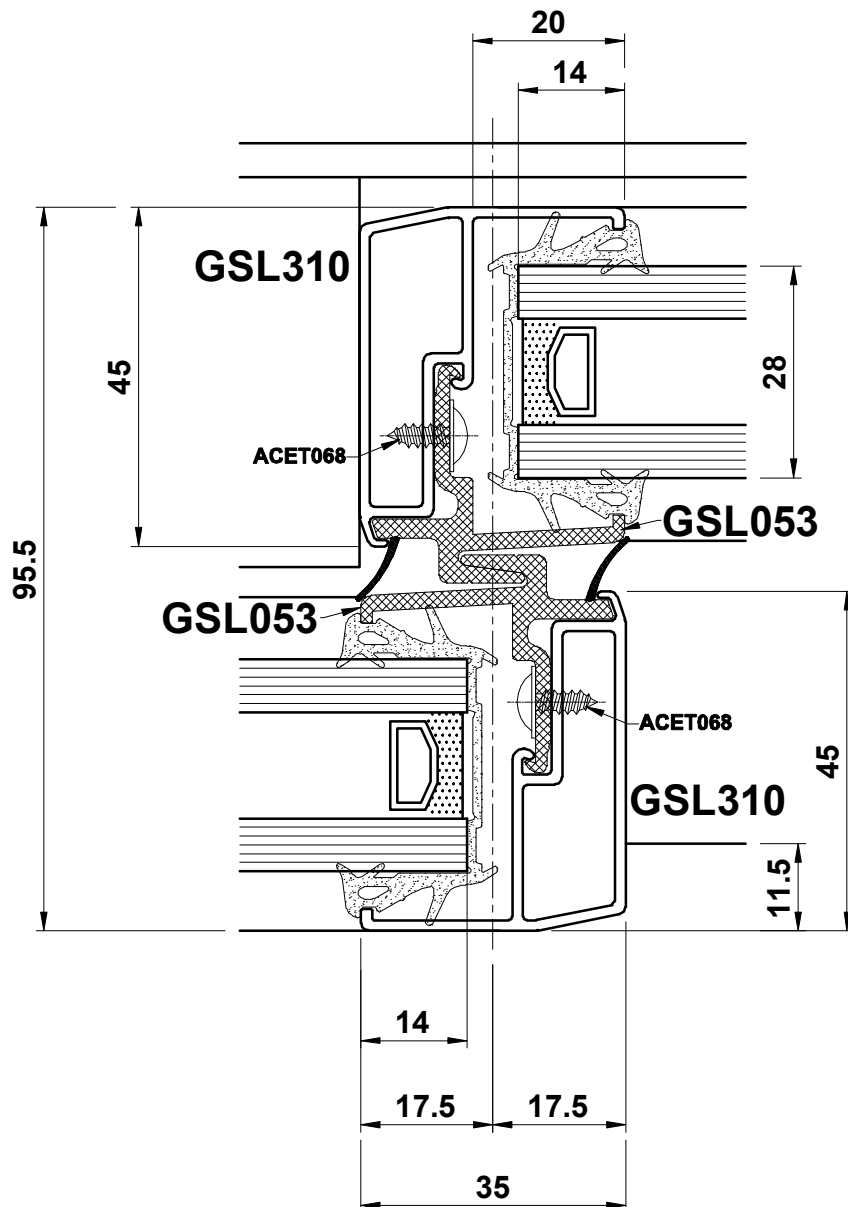
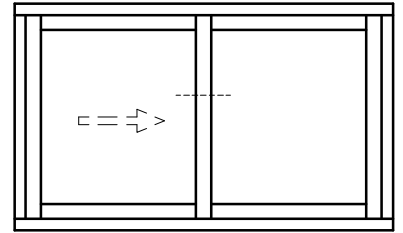
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Detail 5B



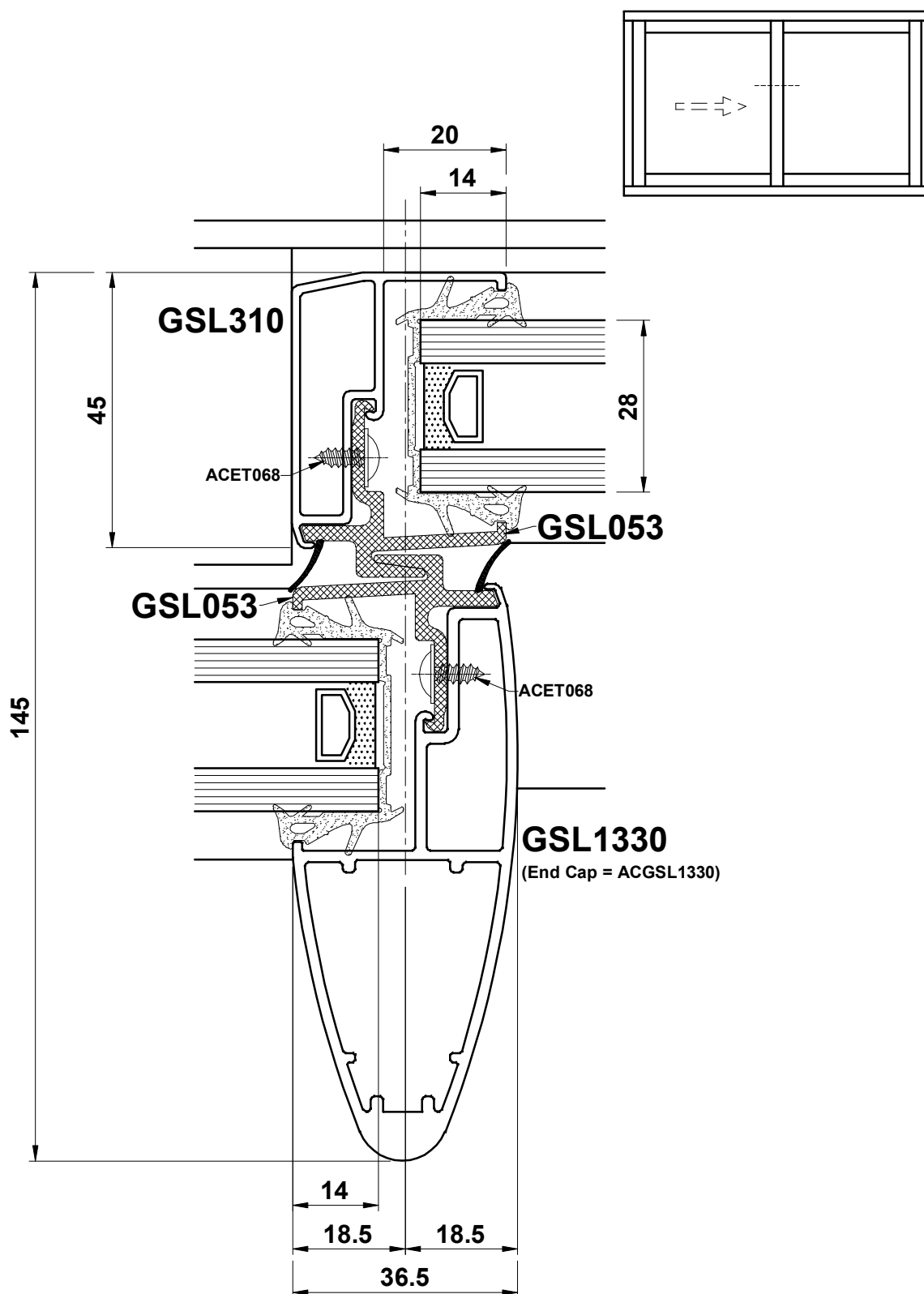
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Detail 6A



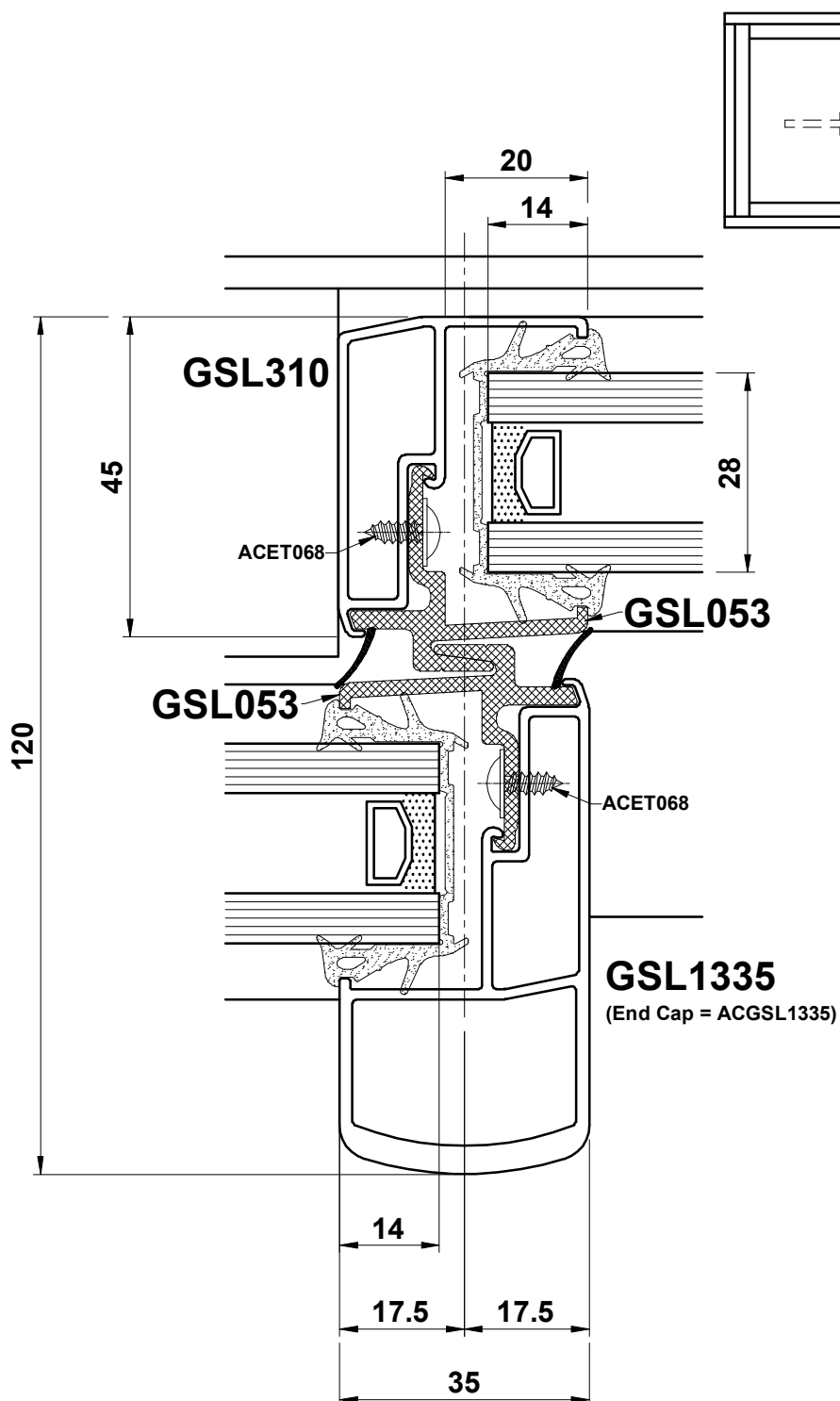
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Detail 6B



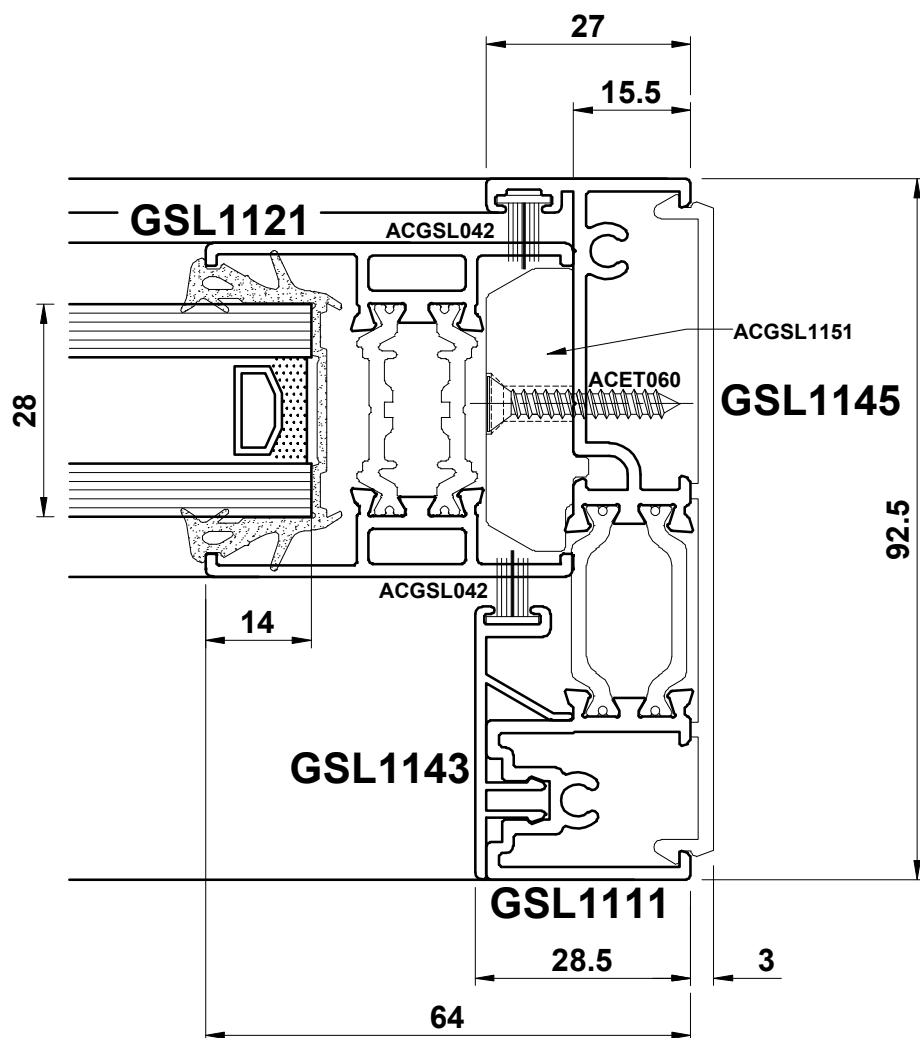
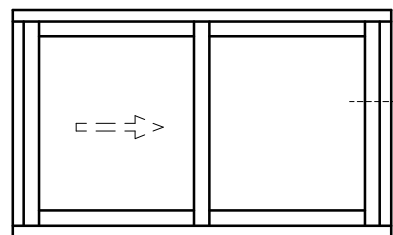
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Detail 6C



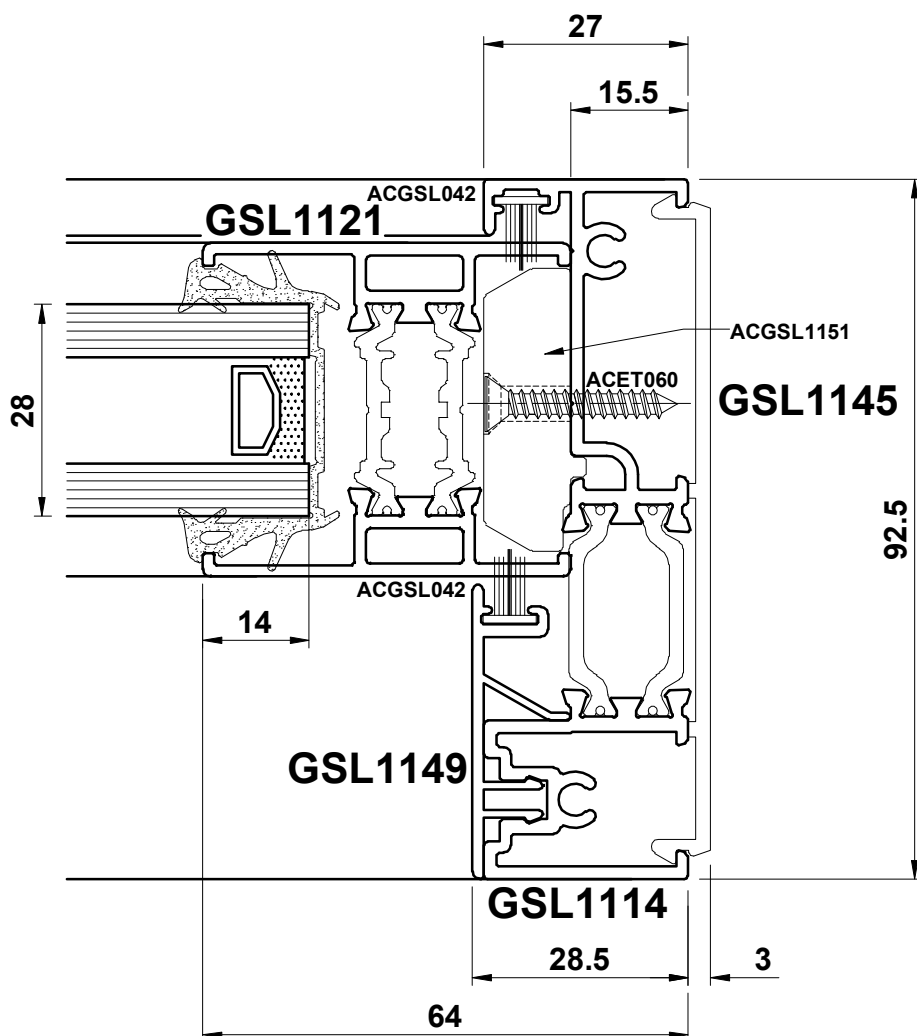
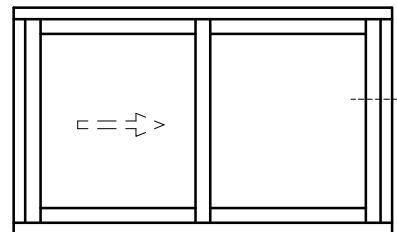
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Detail 7A

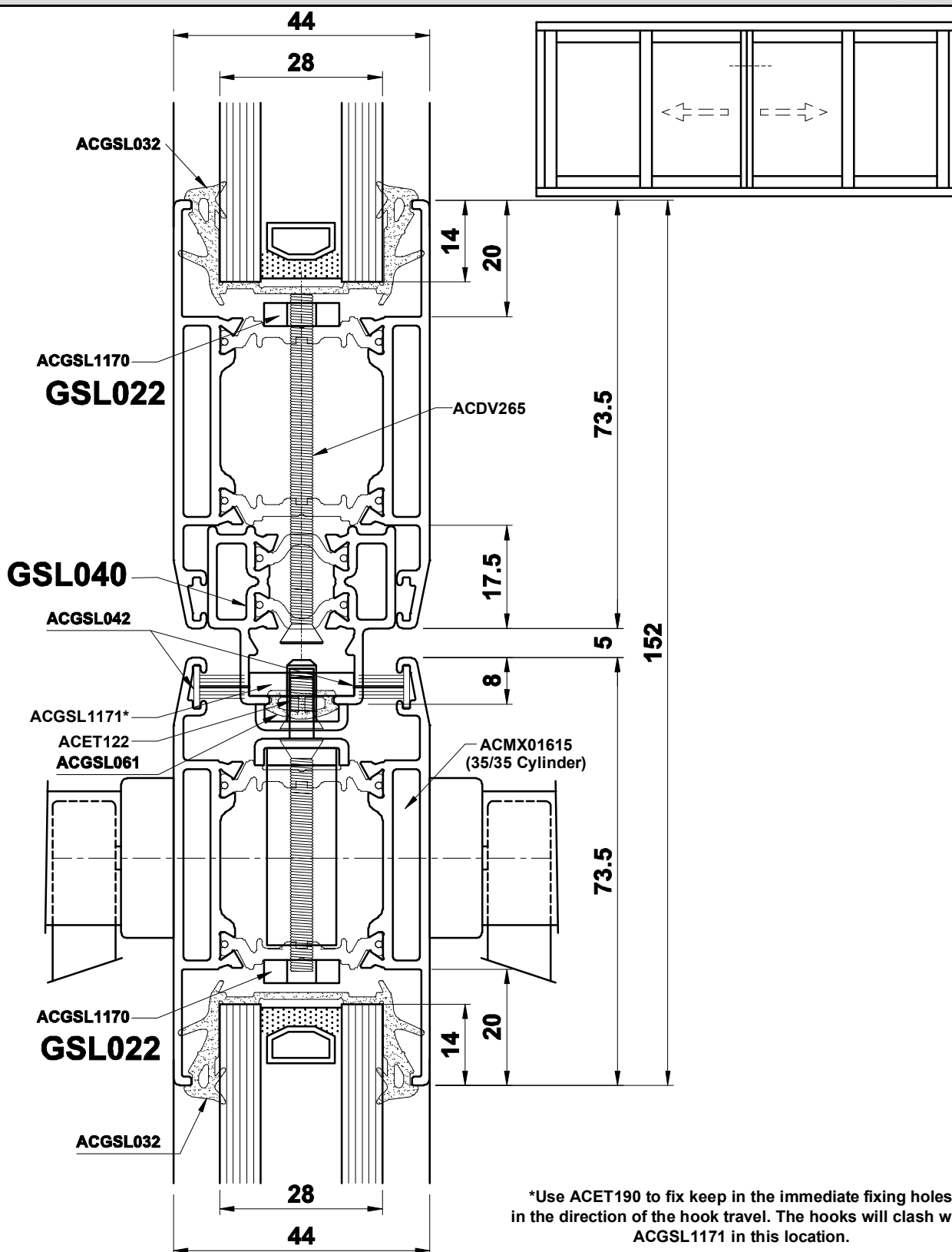


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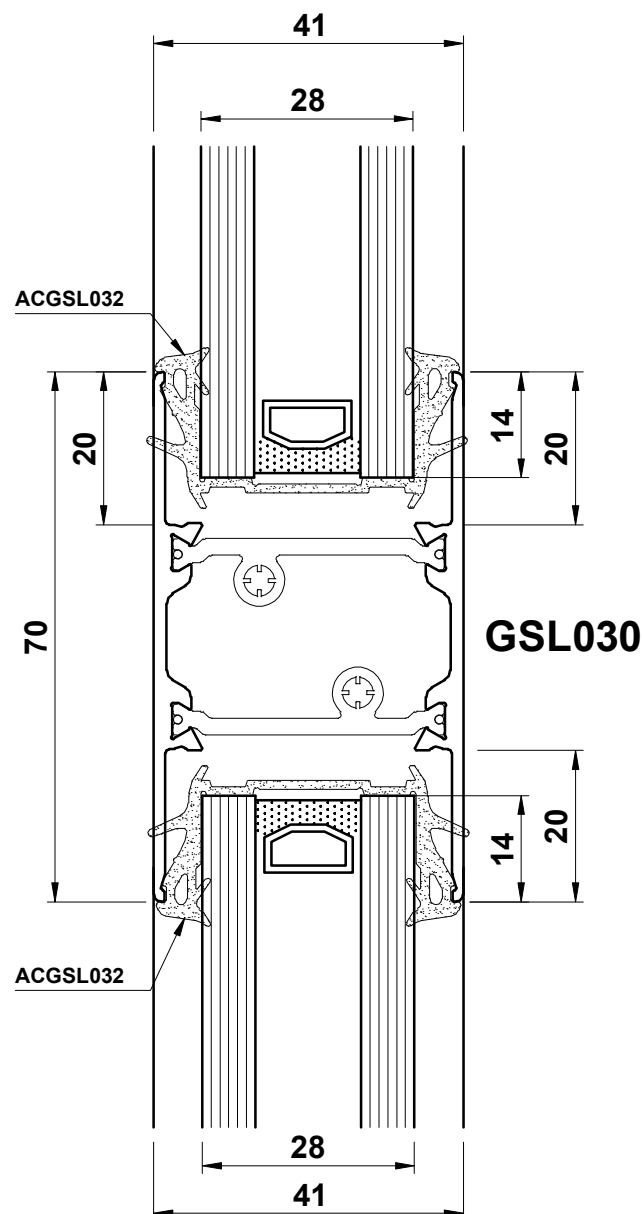
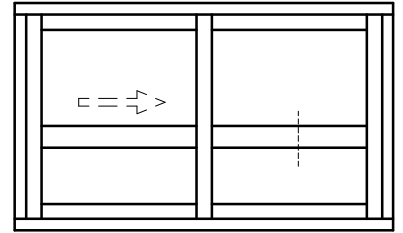
Detail 7B



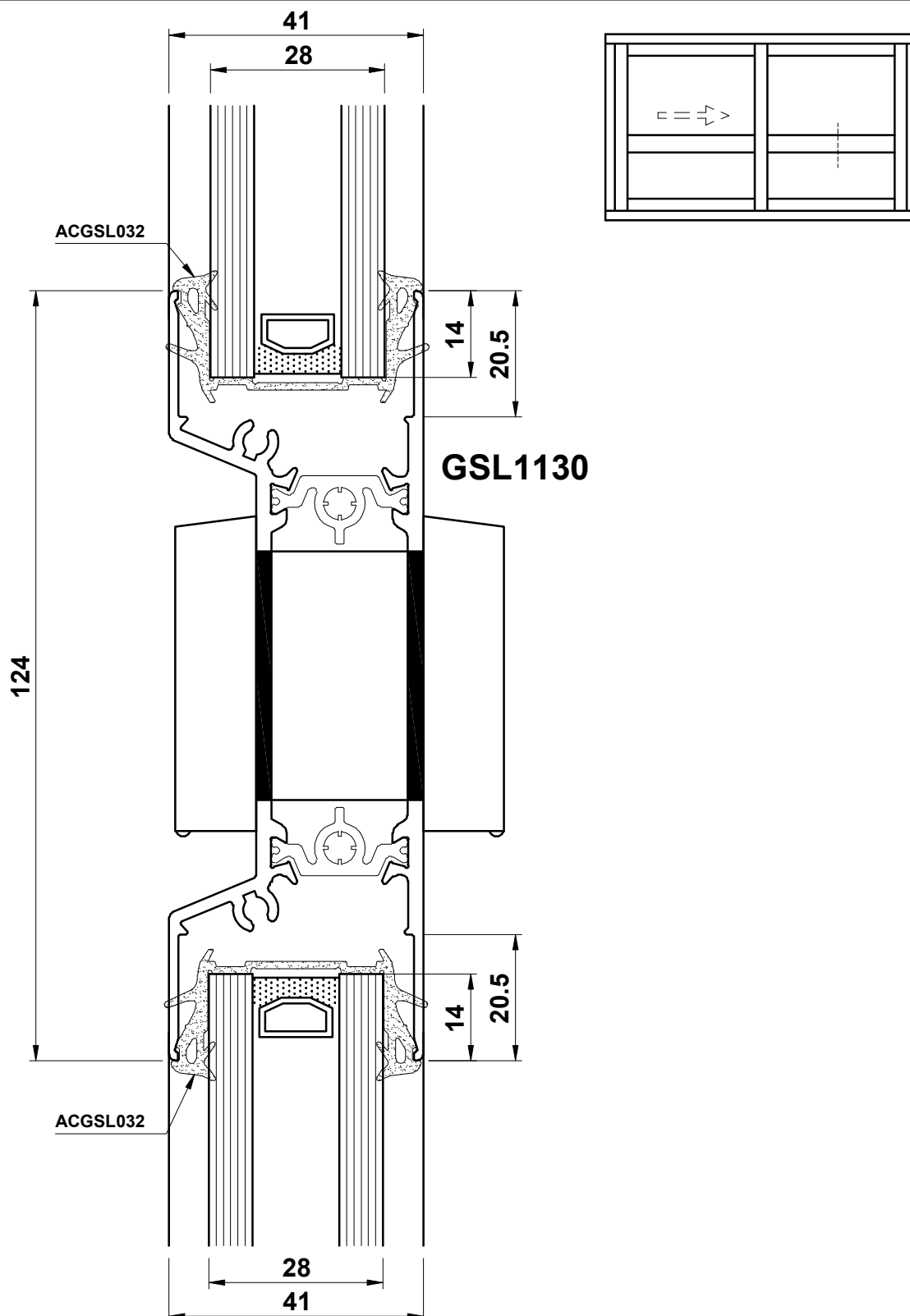
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Do Not Scale From This Drawing

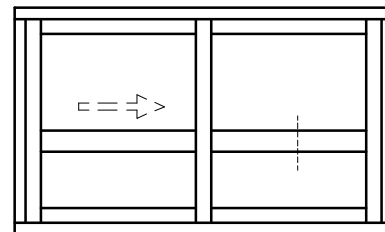
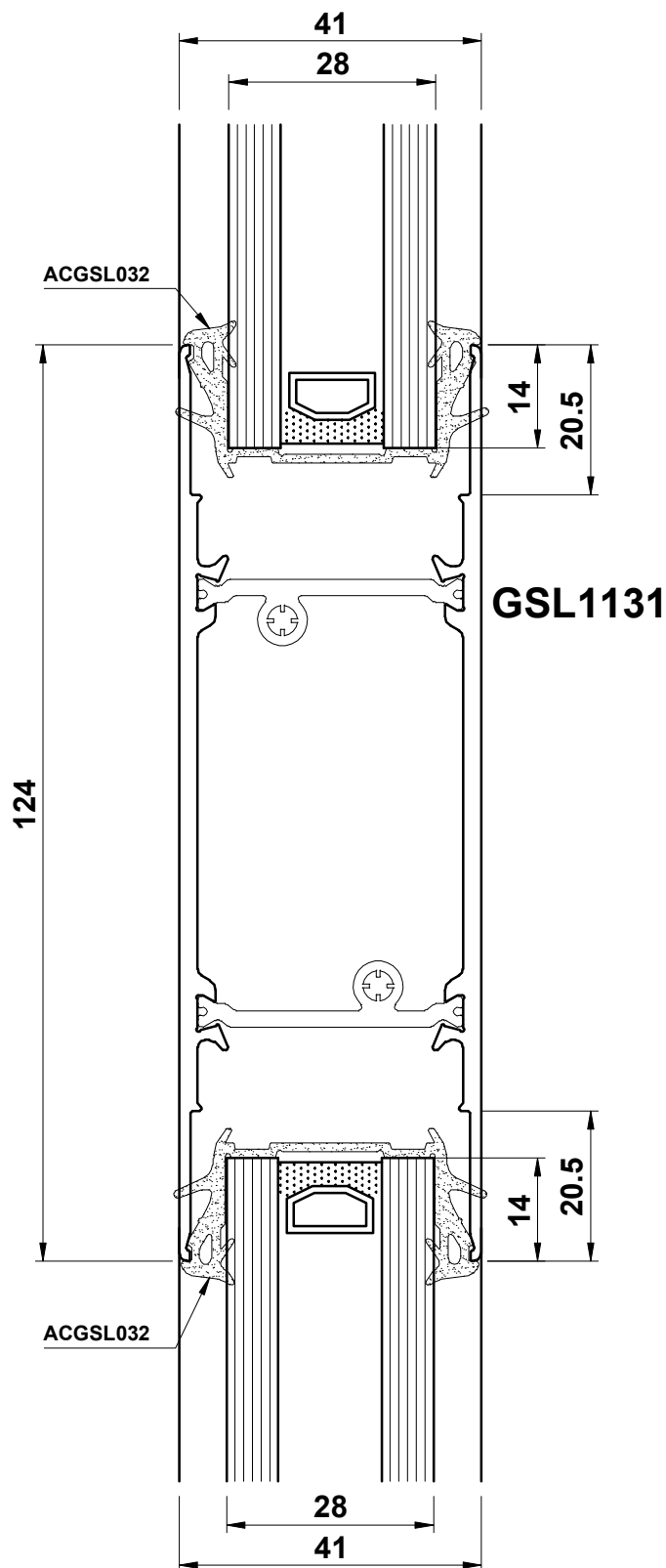


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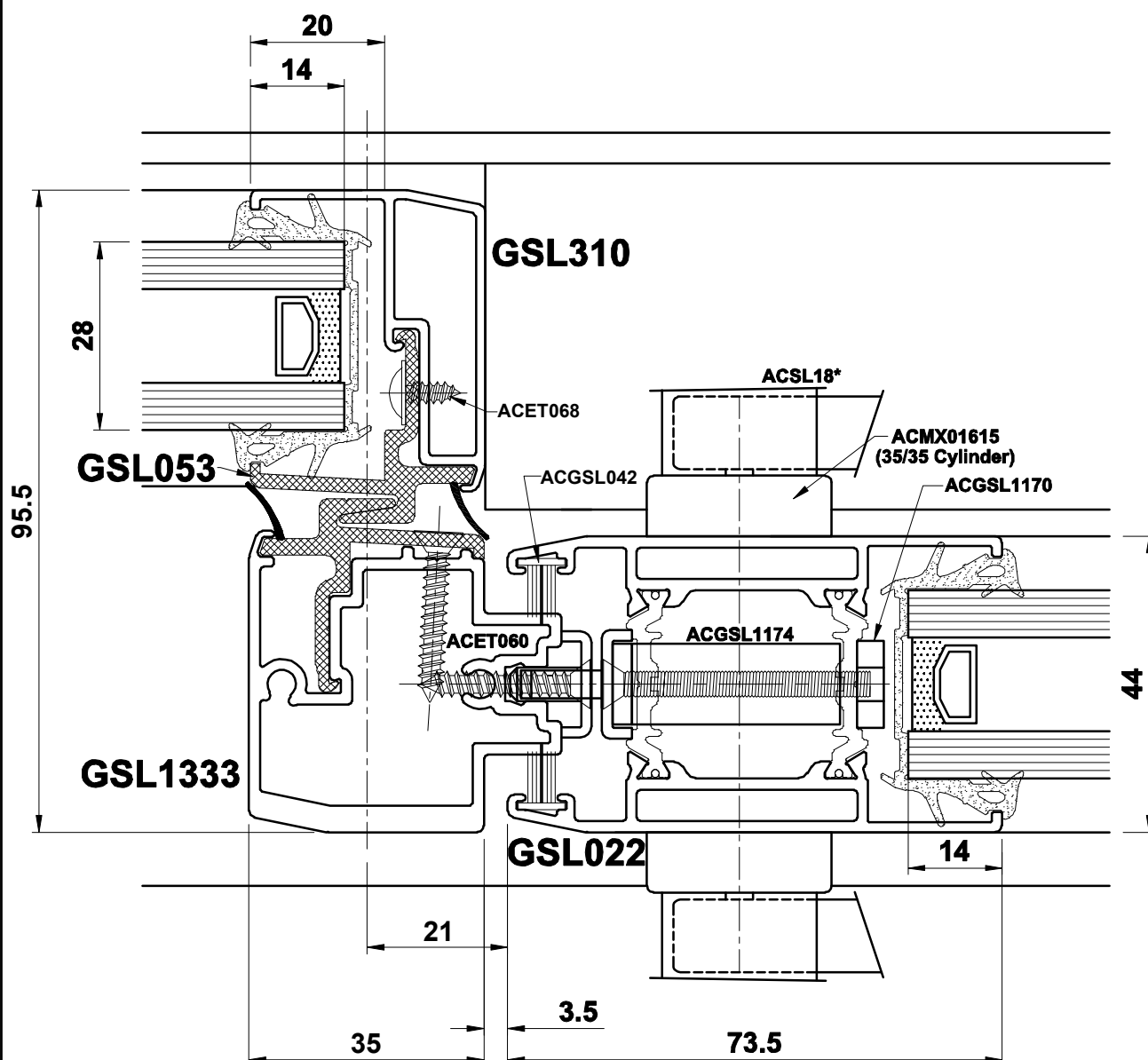
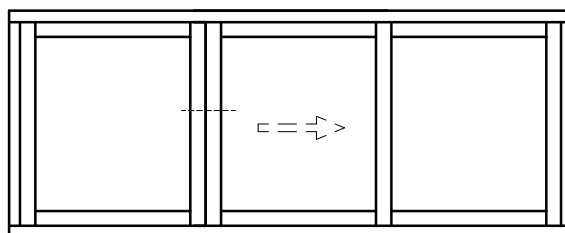
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Detail 9C



Do Not Scale From This Drawing

Detail 10

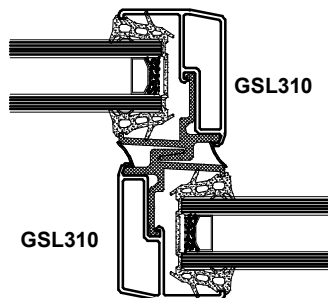
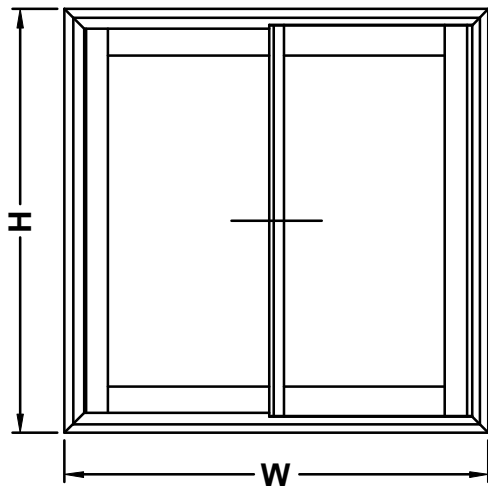


Do Not Scale From This Drawing

Section D

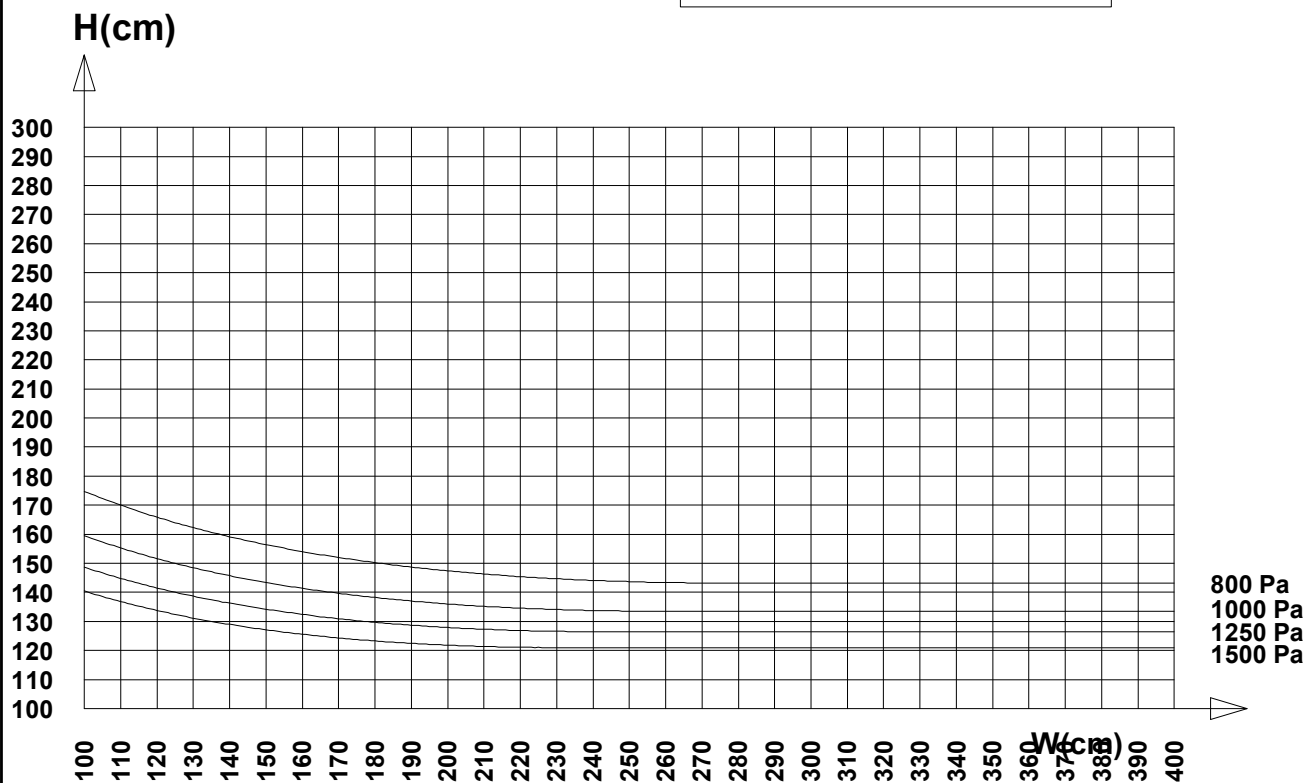
The wind load charts in this section are for guidance only.
If in doubt, please contact the Technical Department

Interlock



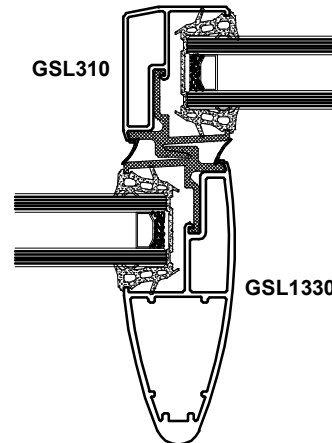
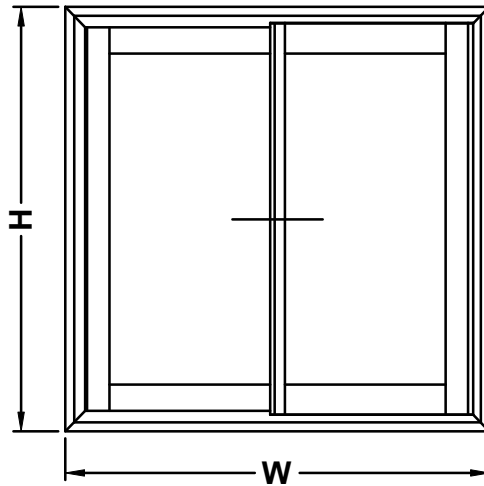
$$I_{xx} = 7.59 \text{ cm}^4$$

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



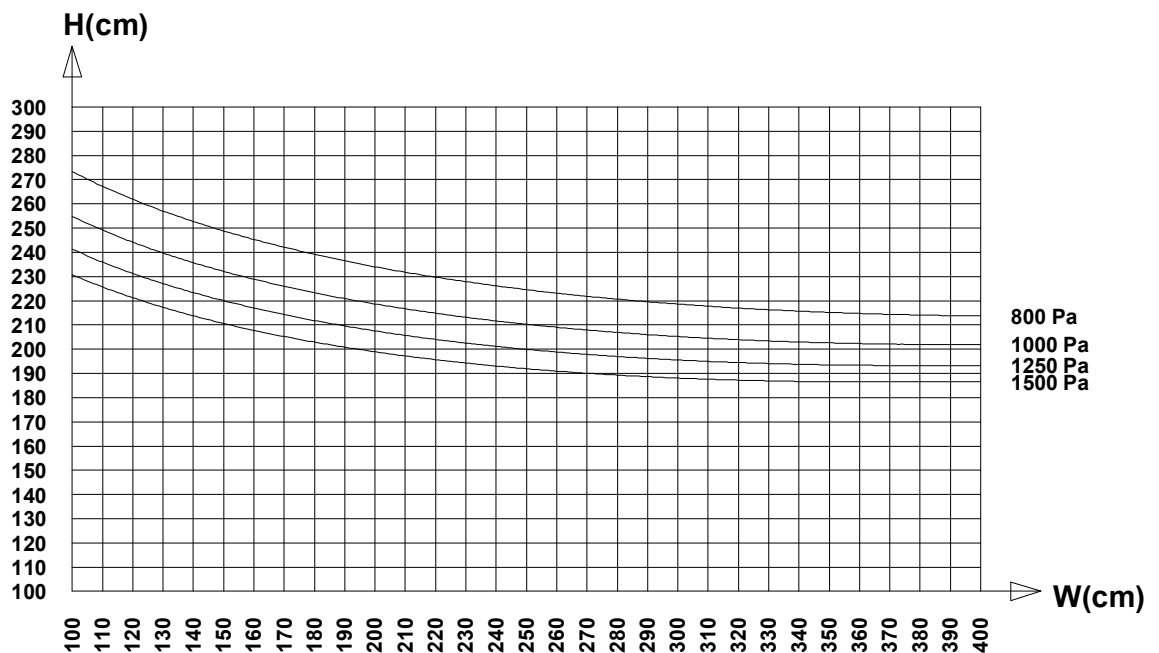
Do Not Scale From This Drawing

Interlock



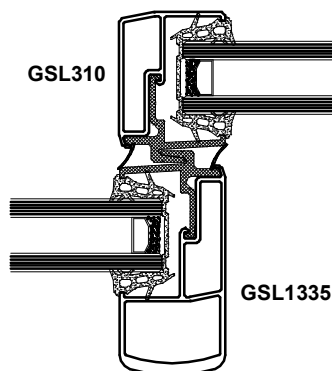
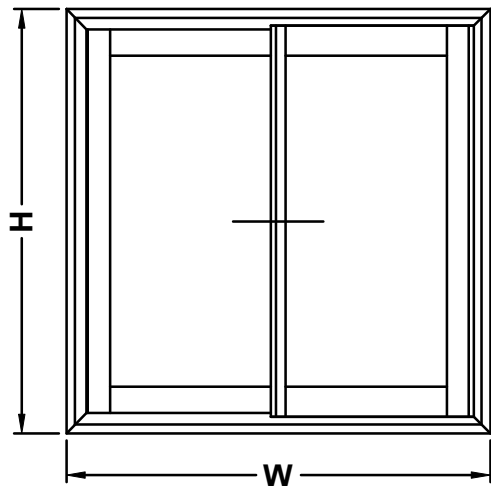
$$I_{xx} = 42.65 \text{ cm}^4$$

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



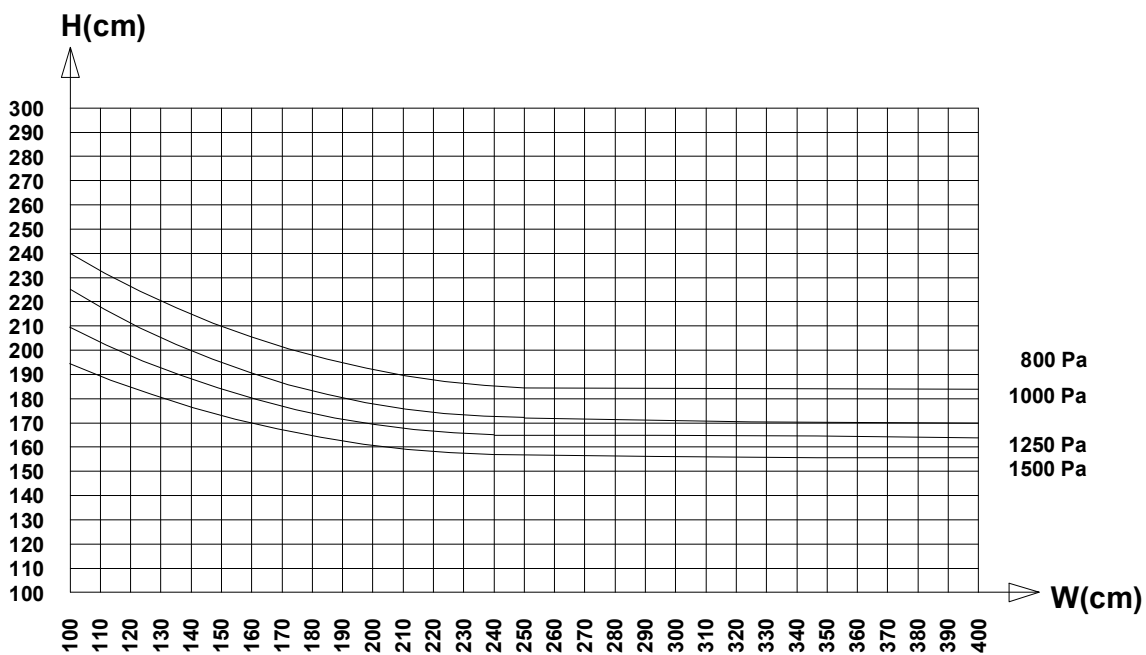
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Interlock



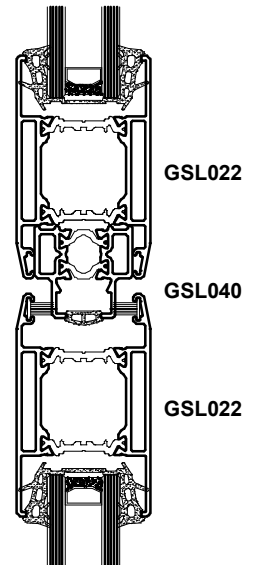
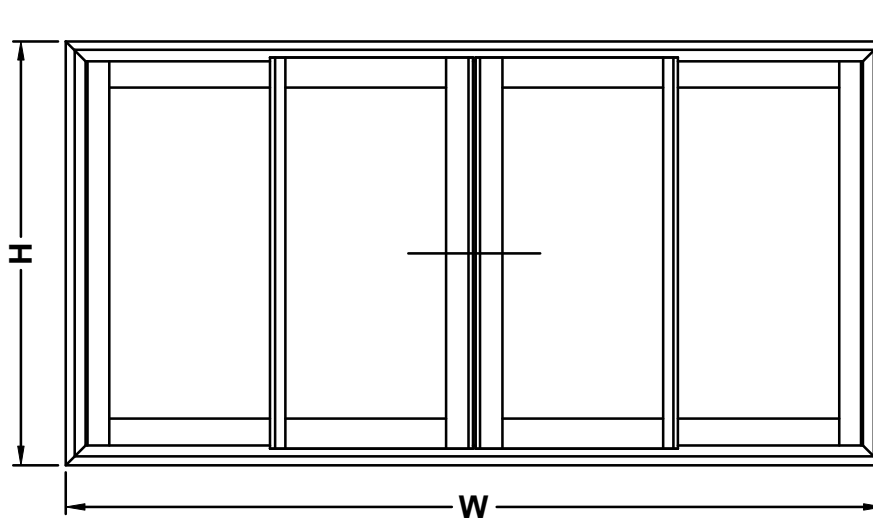
$$I_{xx} = 20.42 \text{ cm}^4$$

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



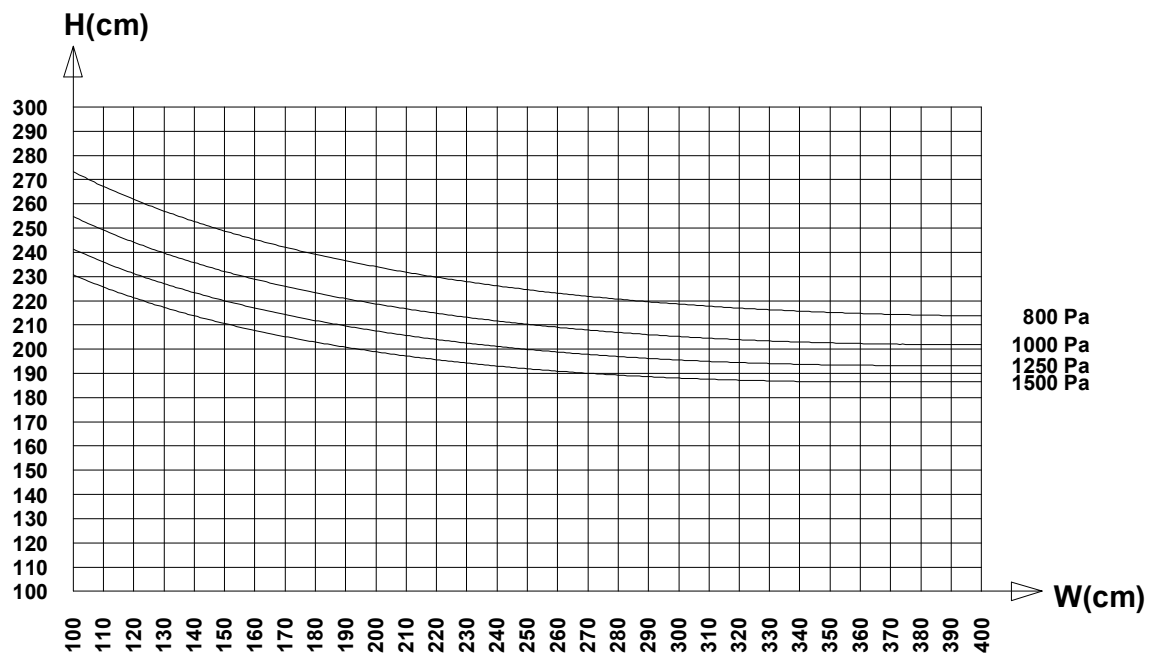
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Meeting Stile



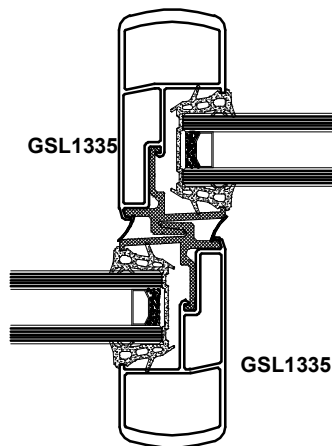
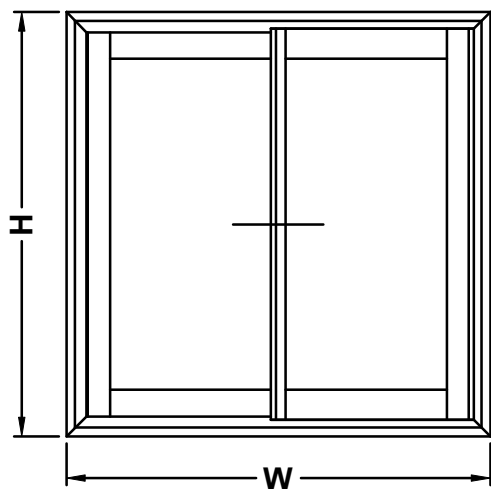
$$I_{xx} = 34.44 \text{ cm}^4$$

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



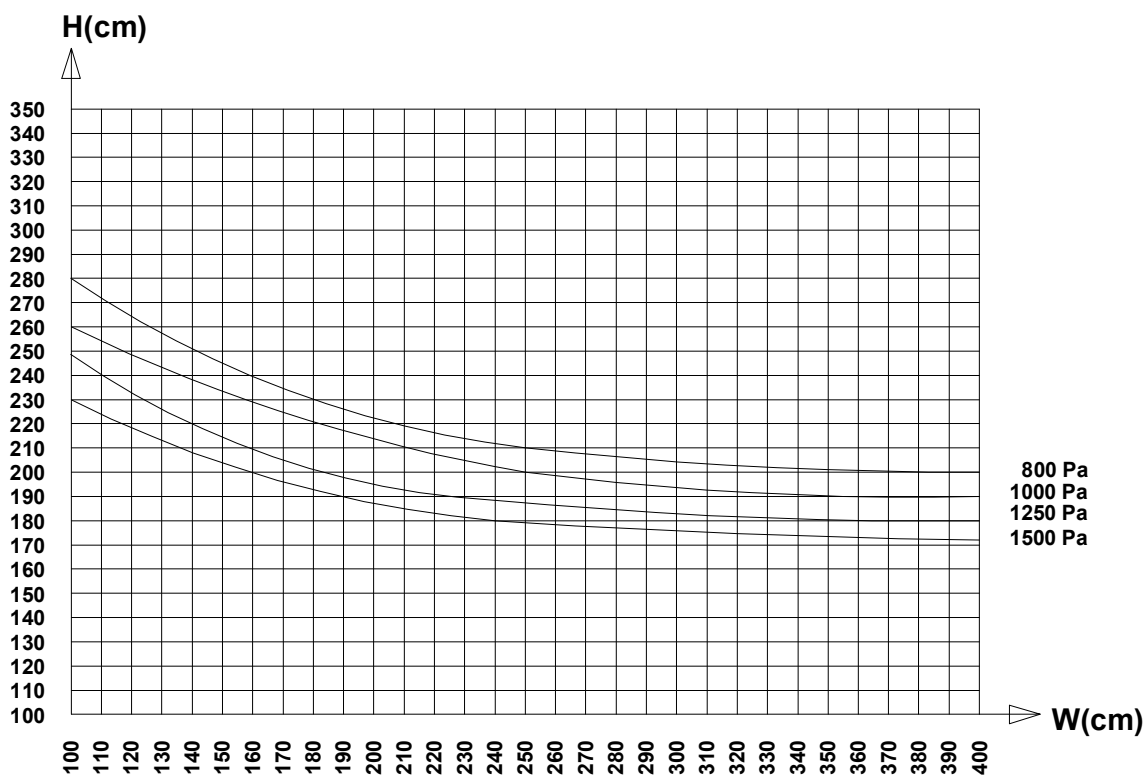
Do Not Scale From This Drawing

Interlock



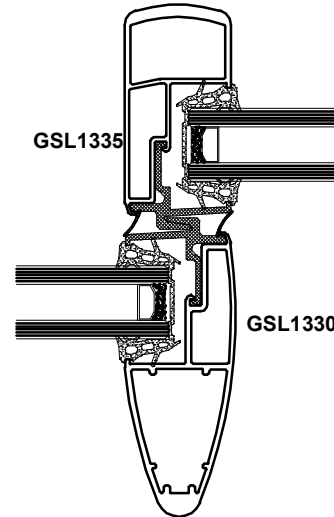
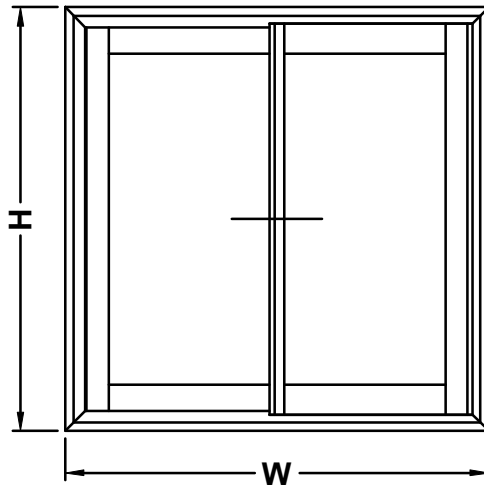
$$I_{xx} = 33.26 \text{ cm}^4$$

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

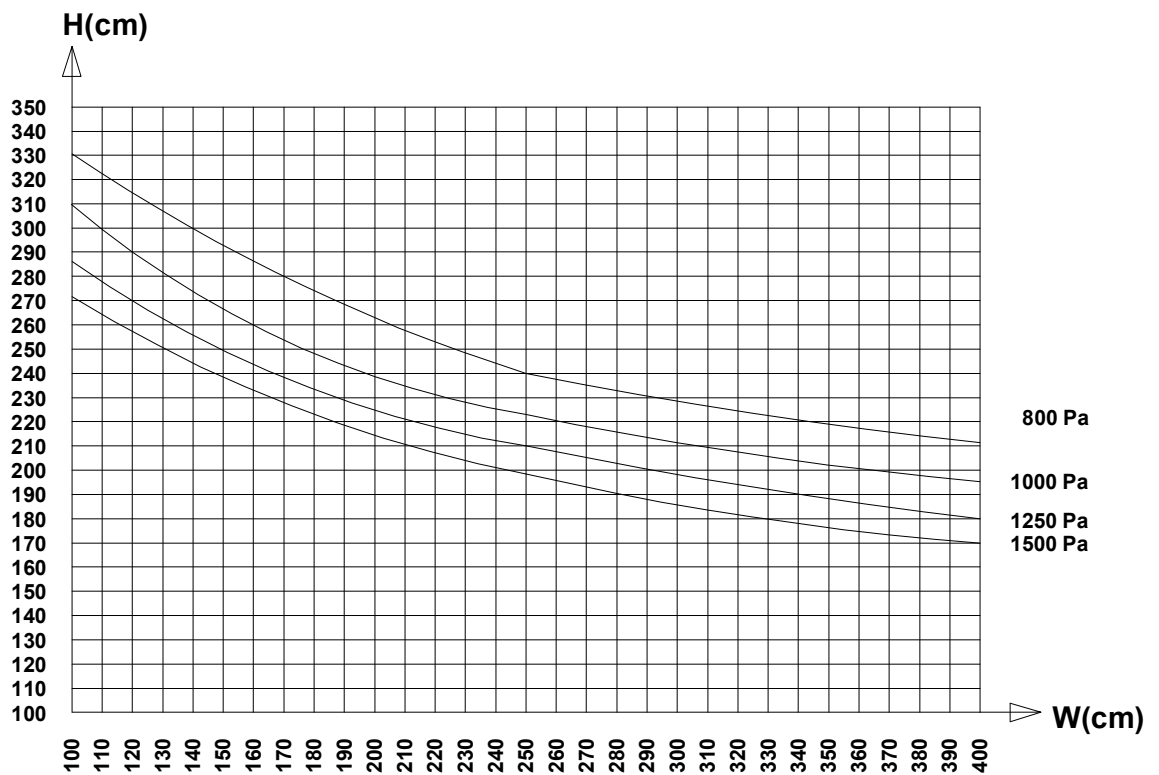


Do Not Scale From This Drawing

Interlock

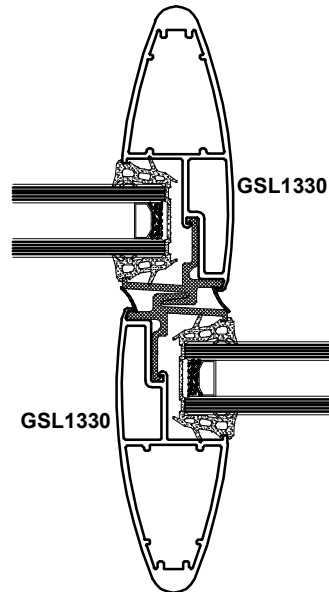
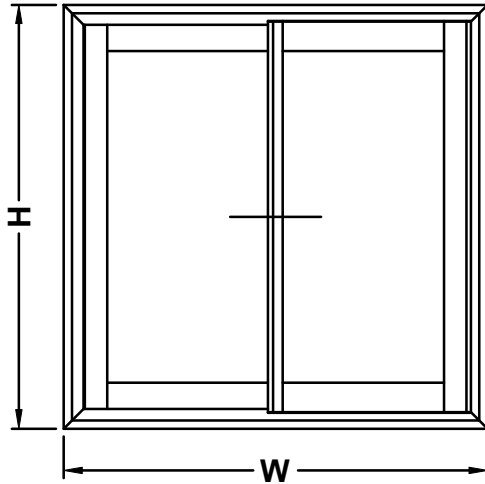


$I_{xx} = 55.49 \text{ cm}^4$
 $f_{max} = H/200 \text{ \& } H < 15 \text{ mm}$



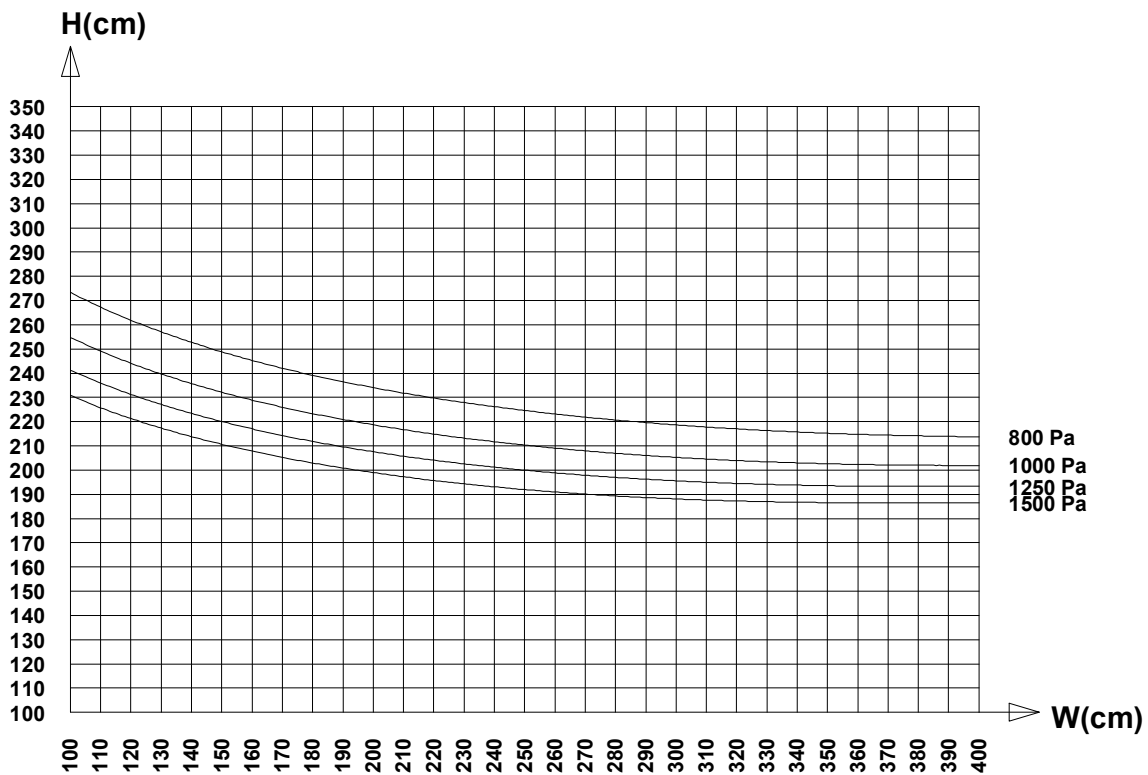
Do Not Scale From This Drawing

Interlock



$$I_{xx} = 83.19 \text{ cm}^4$$

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



Do Not Scale From This Drawing

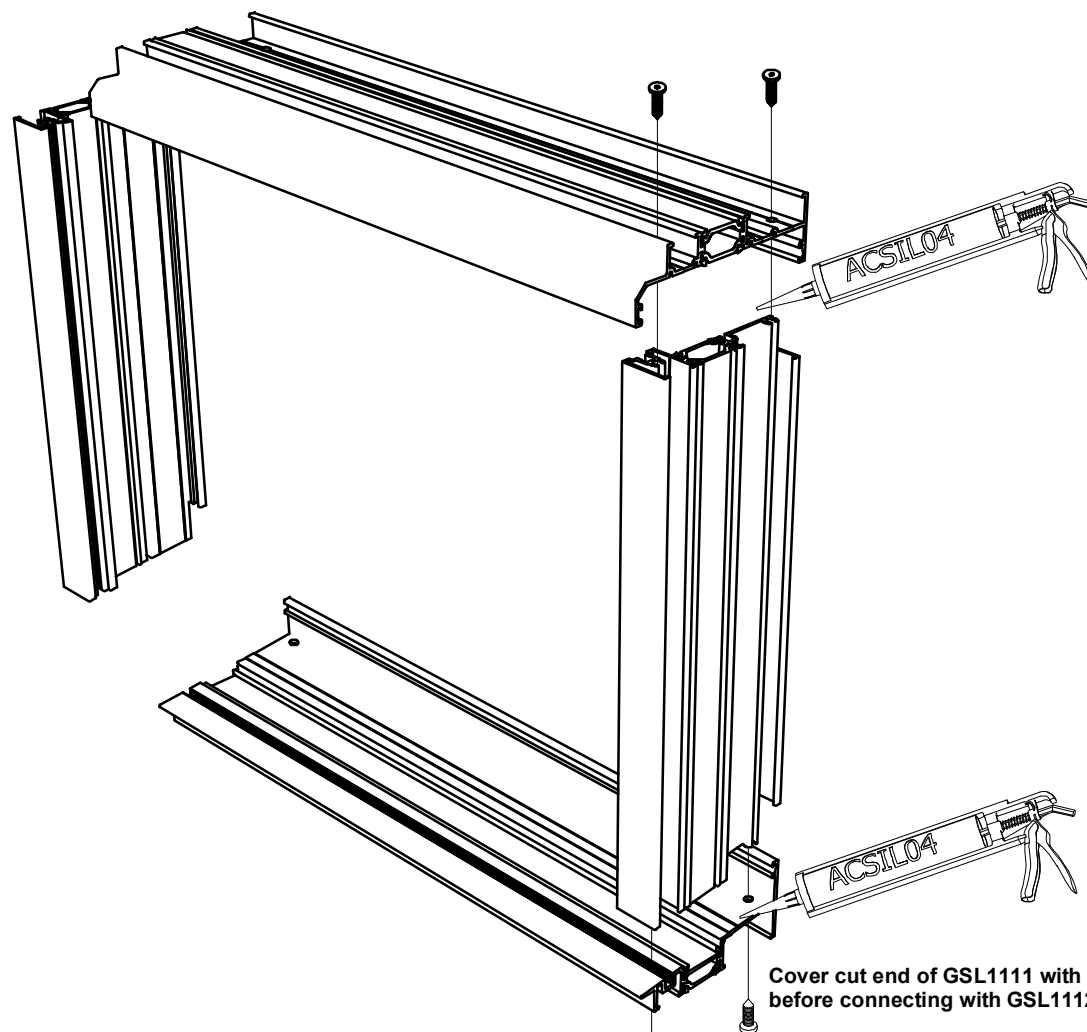
Section E

Section E

Outer Frame Assembly

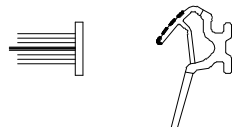


Sealing required during assembly
ACSIL04 is available in black, white, clear and the KL colours
Order with suffix of KL colour (eg.ACSIL04KL005)
or BL=Black/WP=White/CL=Clear



Prior to assembly, insert GSL1423 infill strip into cill to cover thermal break.
ACSIL04 shall be used to form a seal along full width of cill.

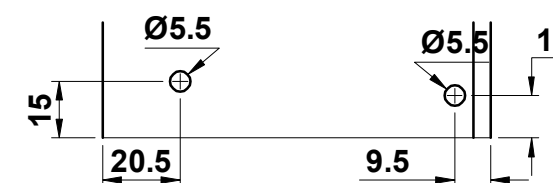
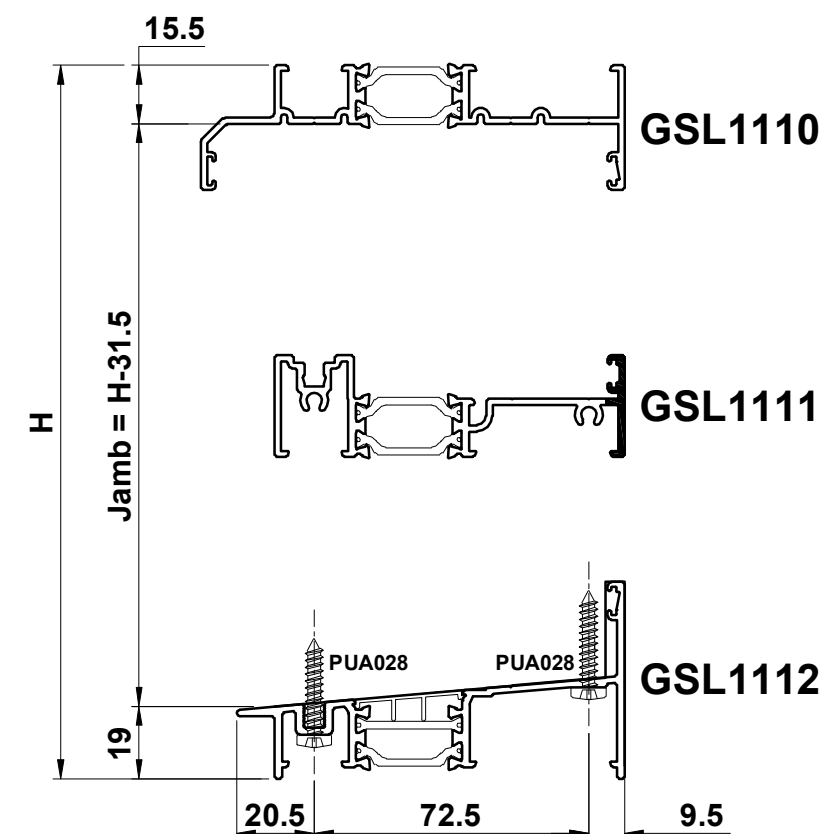
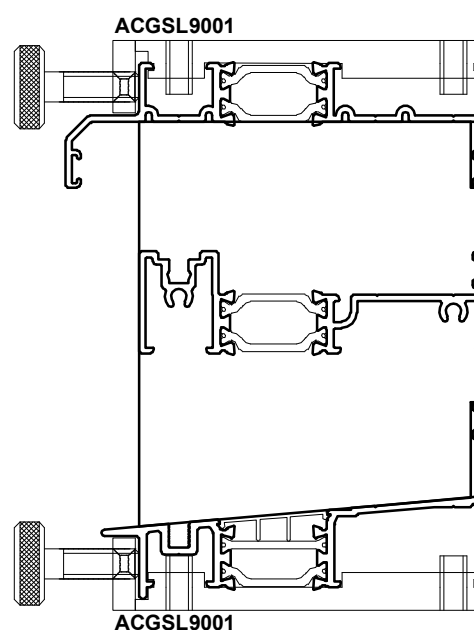
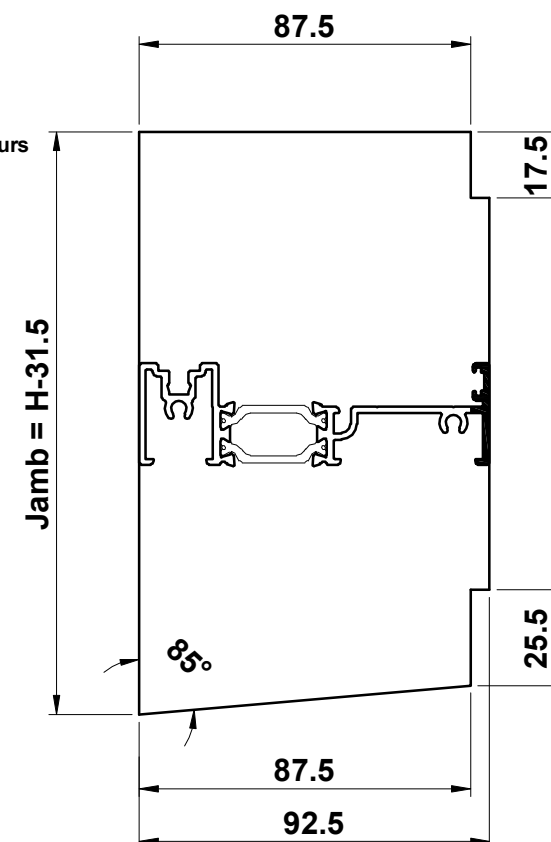
ACGSL042 ACGSL1042



Also, prior to assembly, insert ACGSL042/ACGSL1042 weather seal into:

- Jamb on side of the fixed sash
- Cill & internal channel at head up to interlock on side of fixed sash

Cover cut end of GSL1111 with sealant before connecting with GSL1112

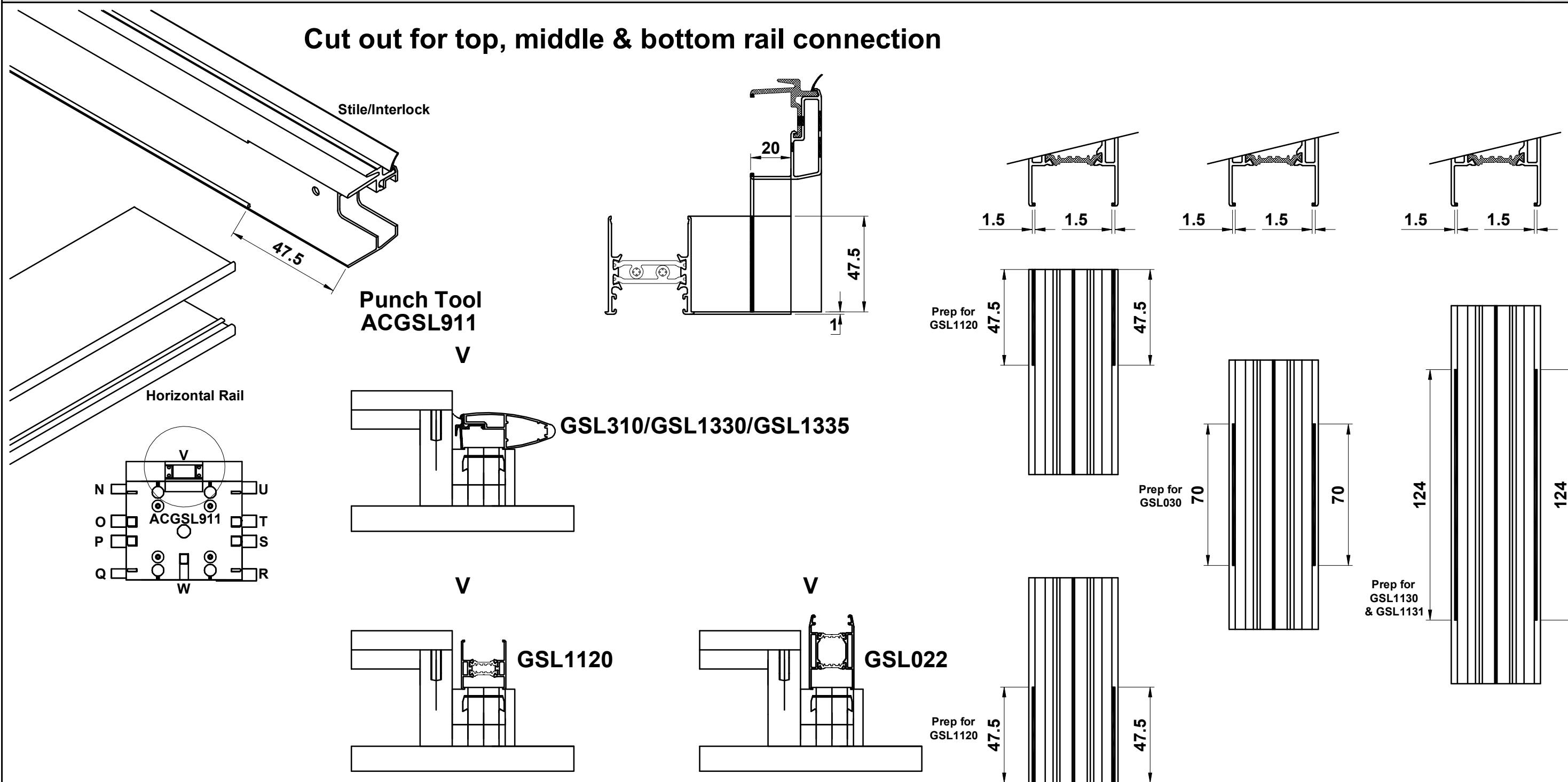


Use Drill Jig:
ACGSL9001

Do Not Scale From This Drawing

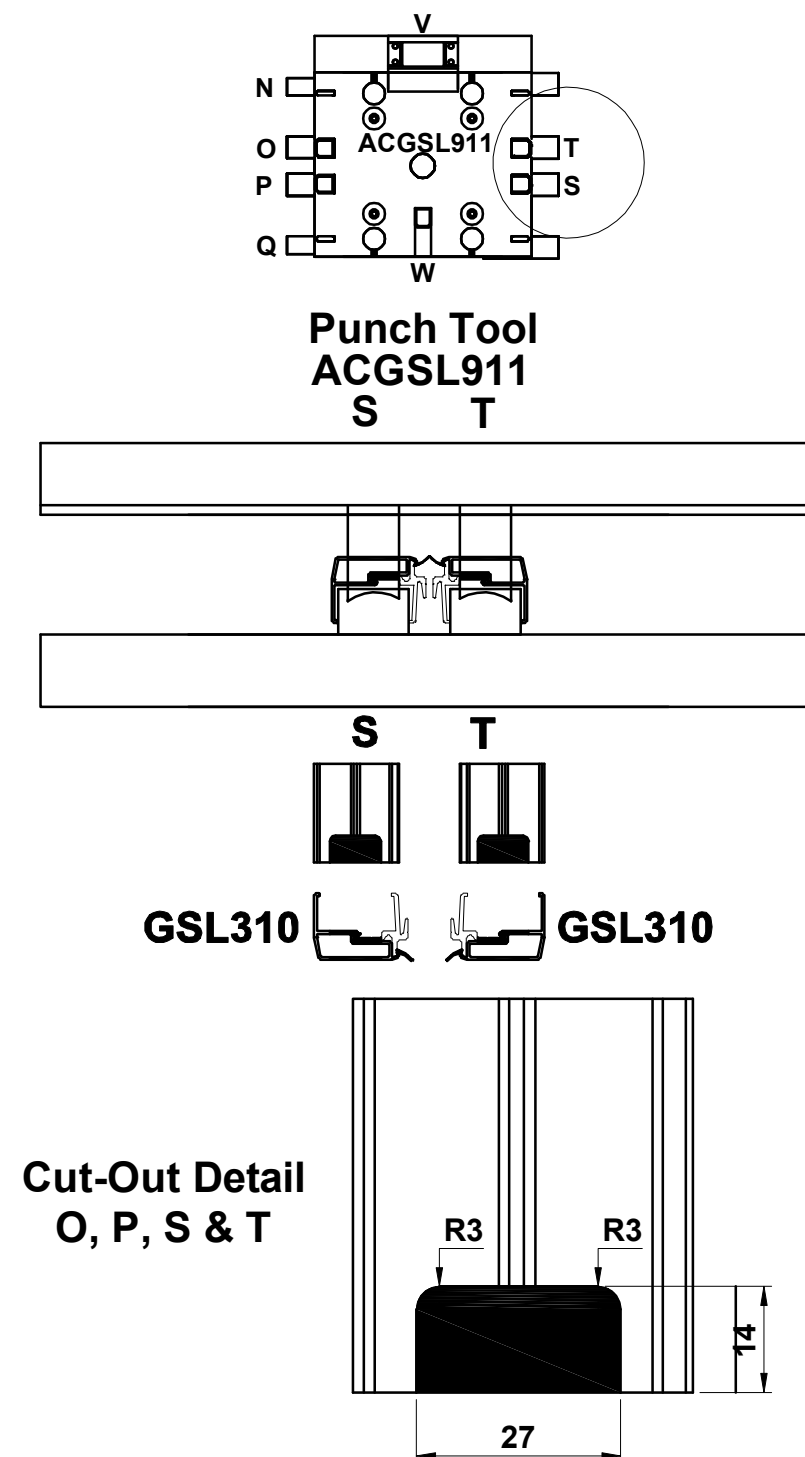
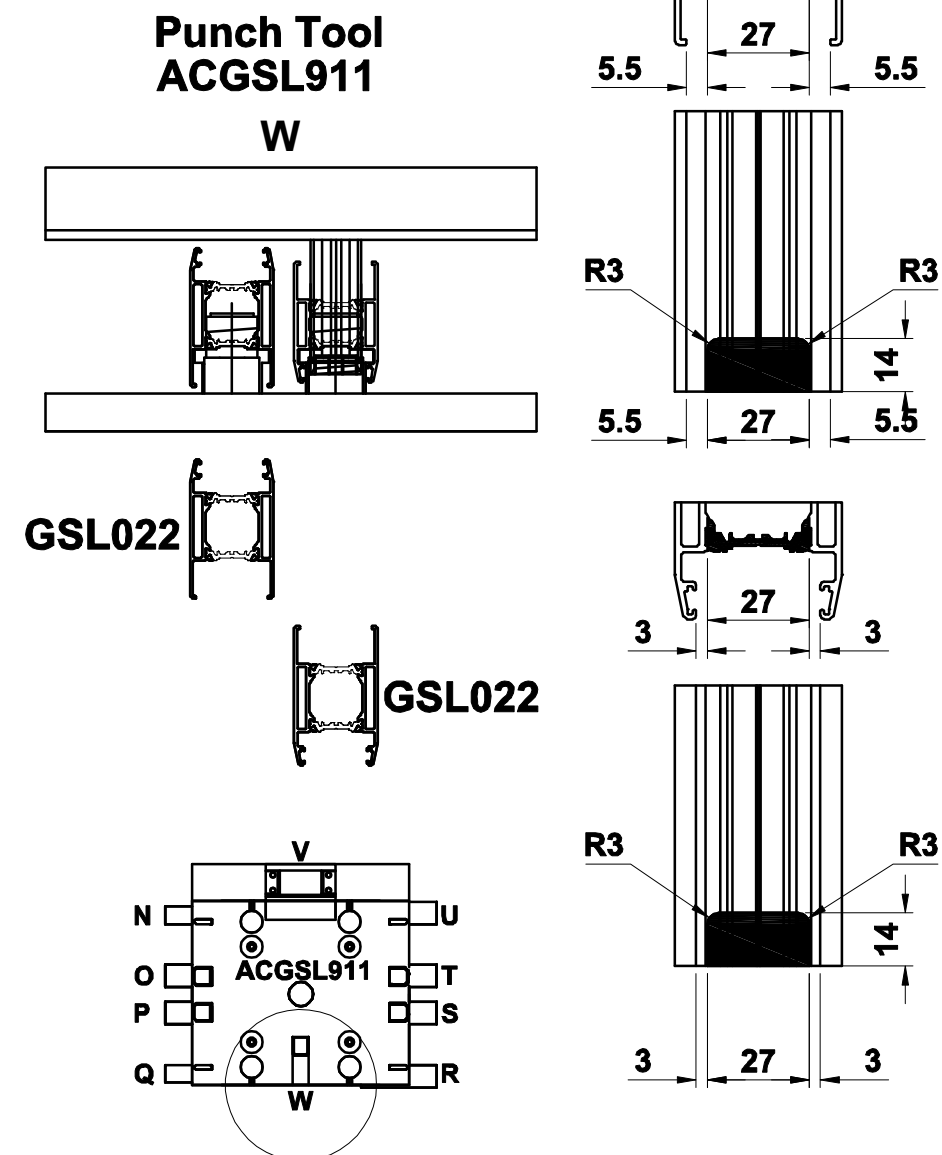
Sash Punch Tooling

Cut out for top, middle & bottom rail connection



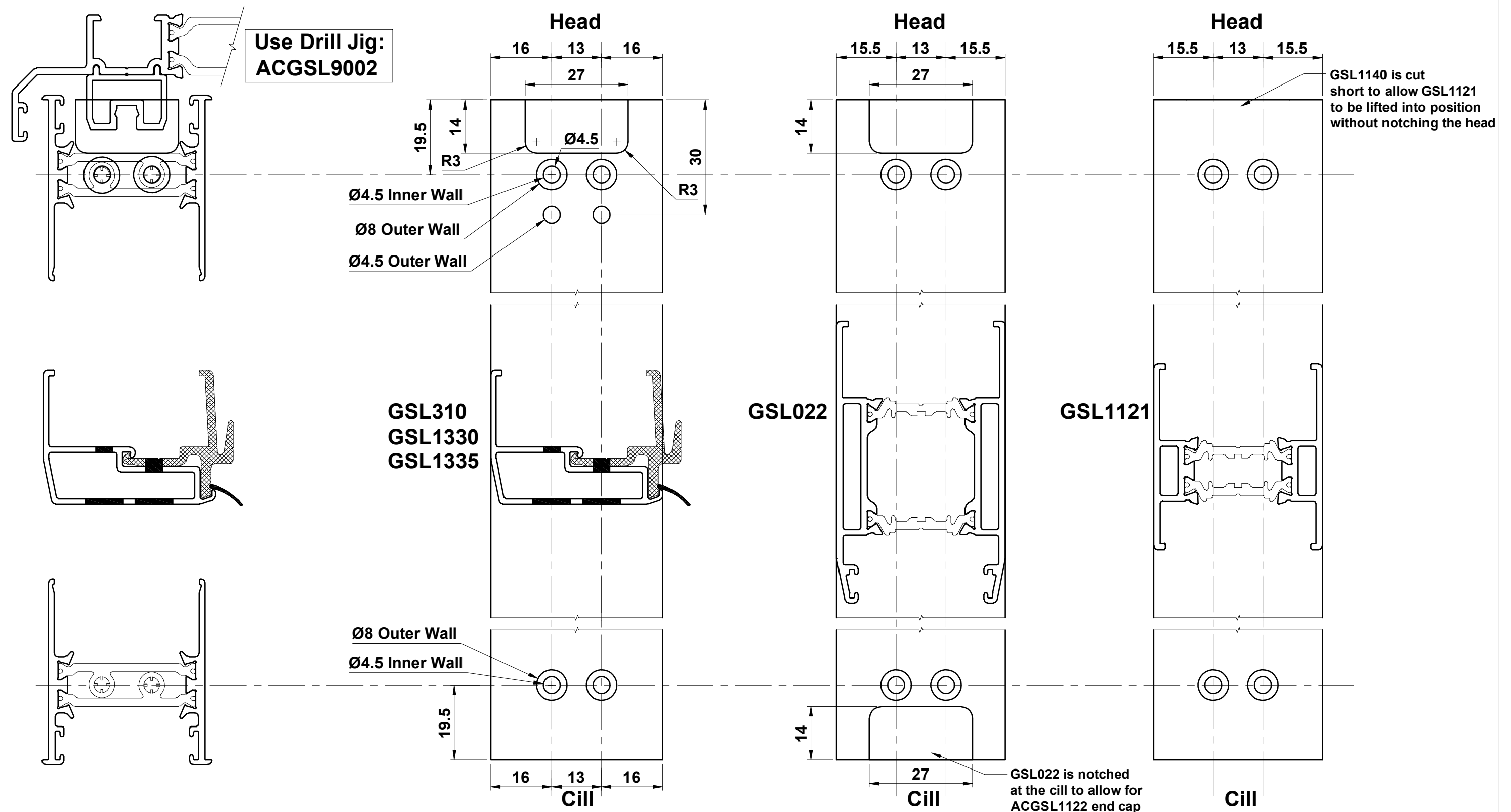
Do Not Scale From This Drawing

Sash Punch Tooling (Top of Sash Only)



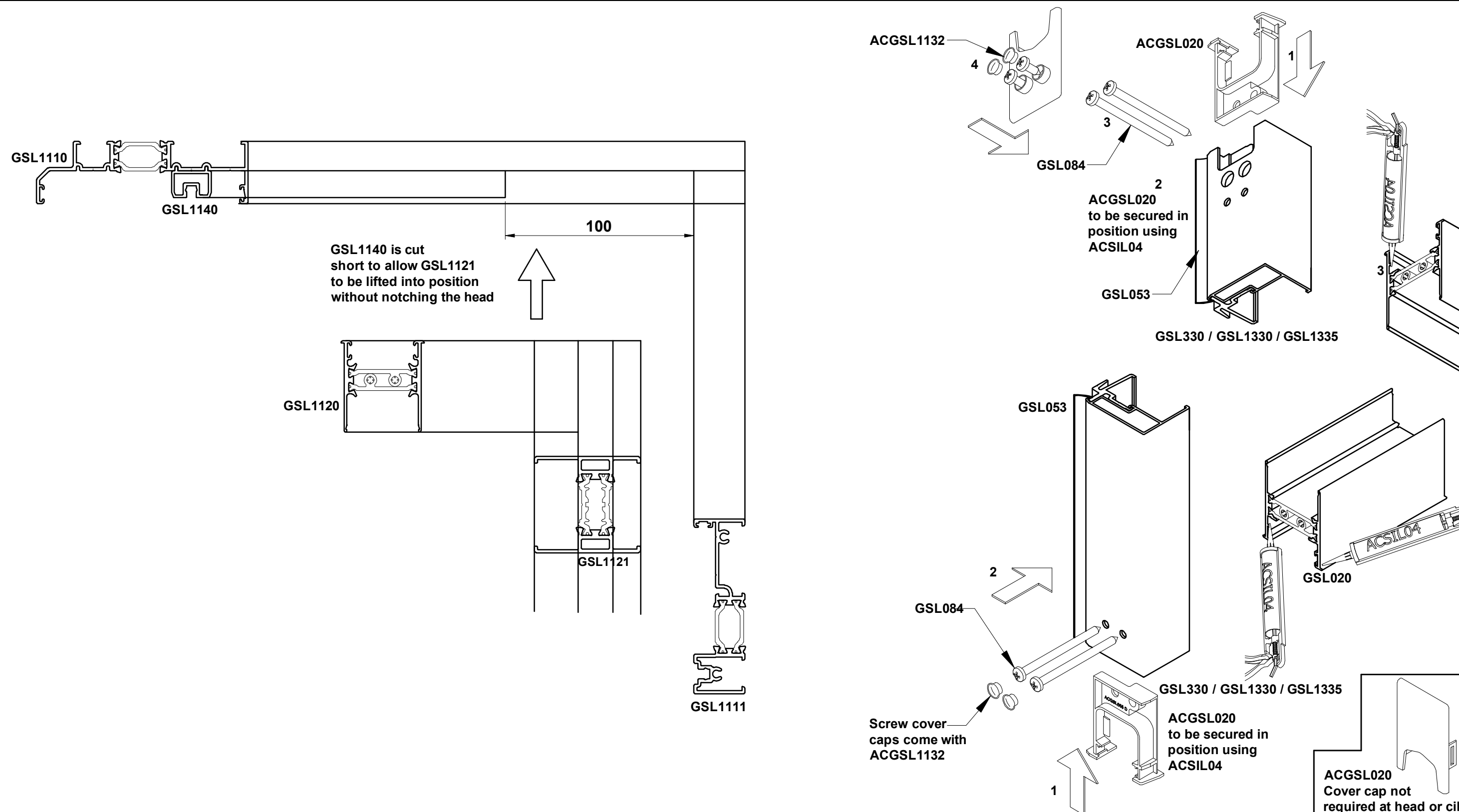
Do Not Scale From This Drawing

Stile Preparation



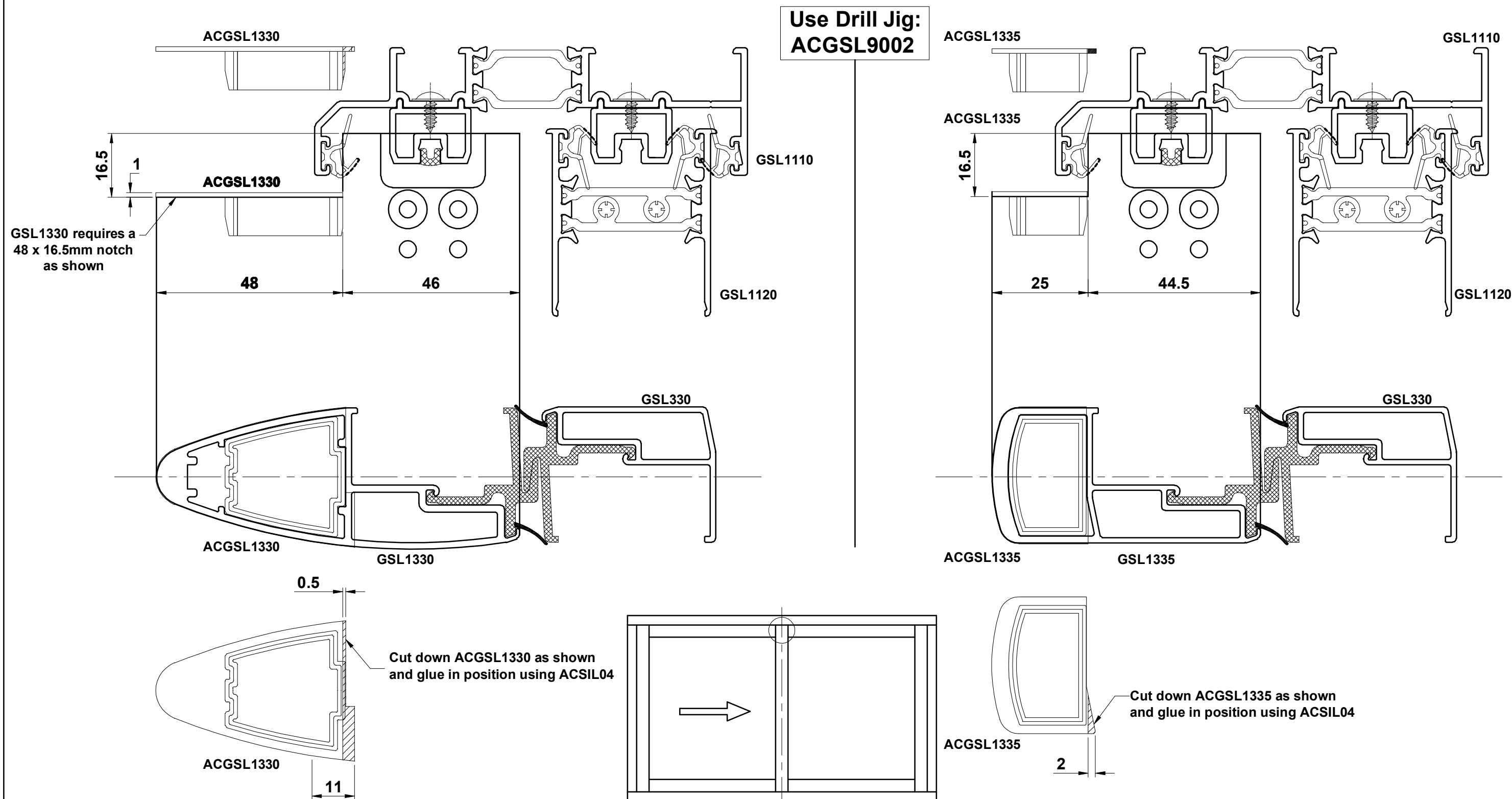
Do Not Scale From This Drawing

Stile Preparation

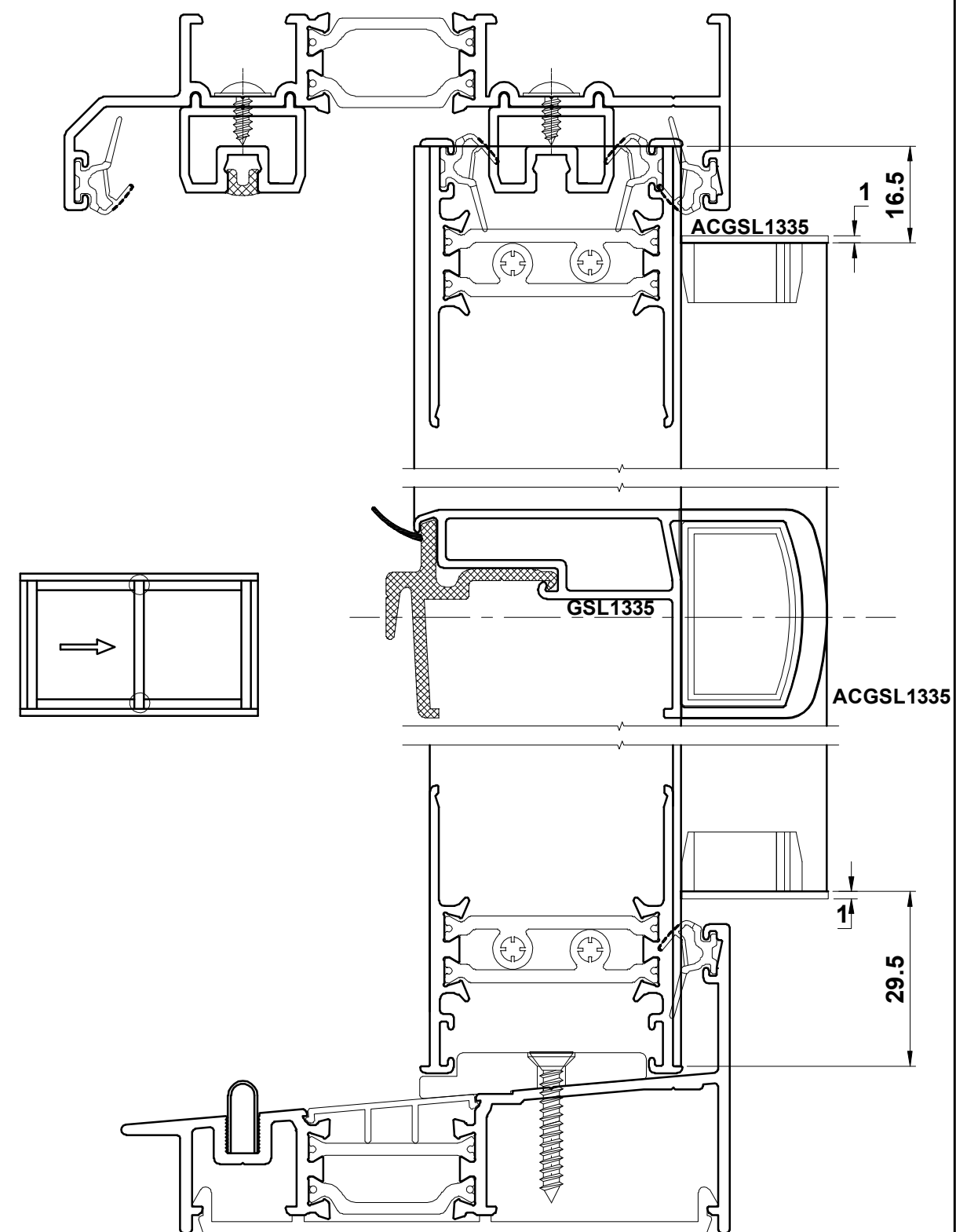
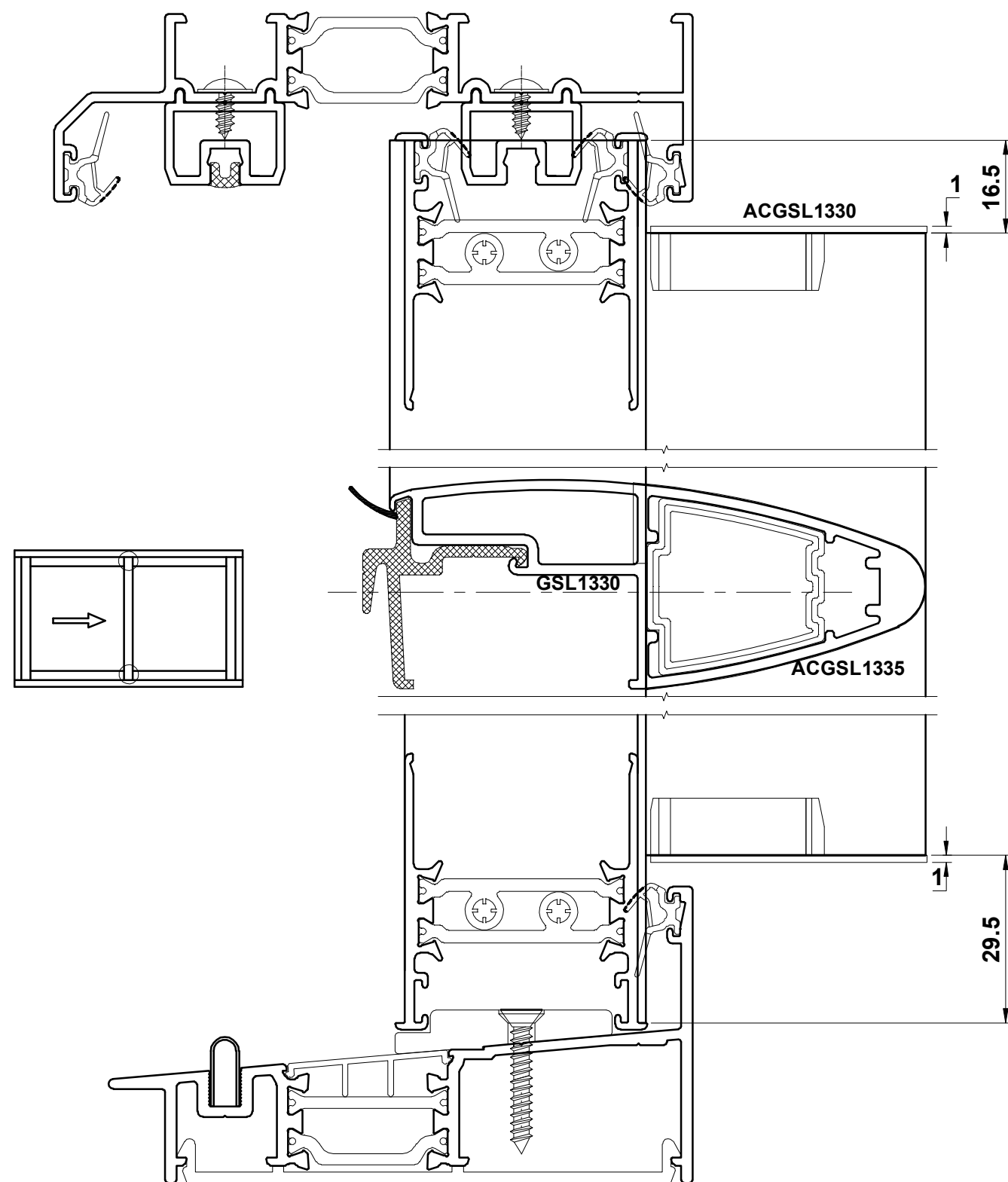


Do Not Scale From This Drawing

GSL1330 & GSL1335 External Top Preparation

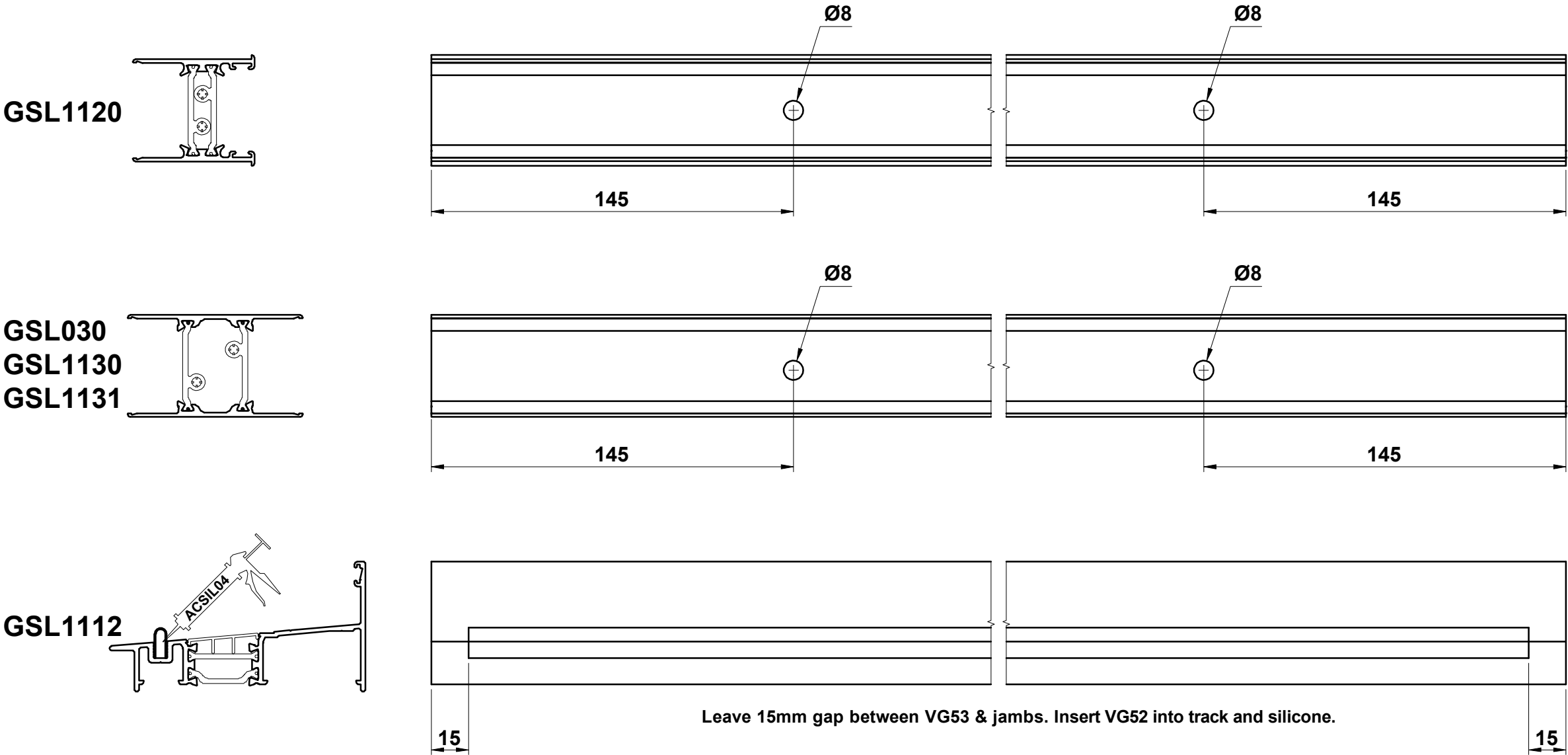


GSL1330 & GSL1335 Internal Top & Bottom Preparation



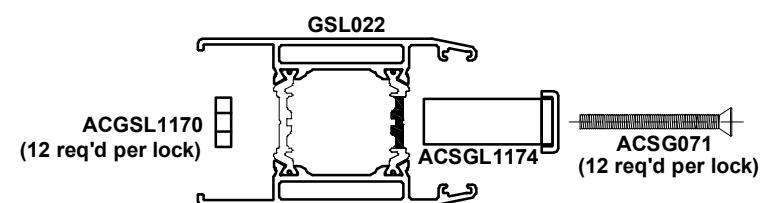
Do Not Scale From This Drawing

Drainage



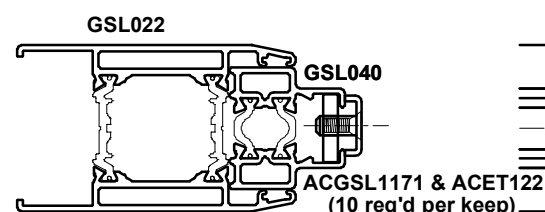
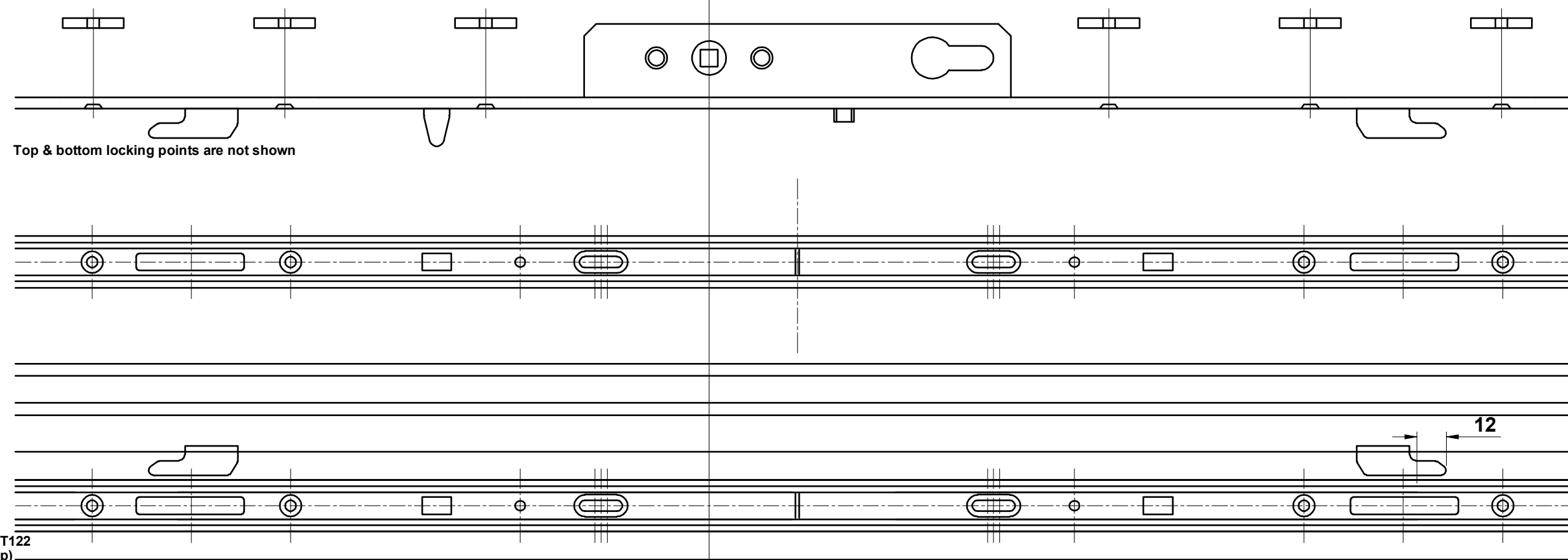
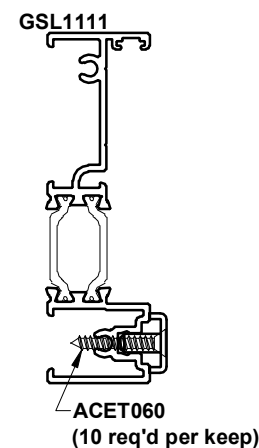
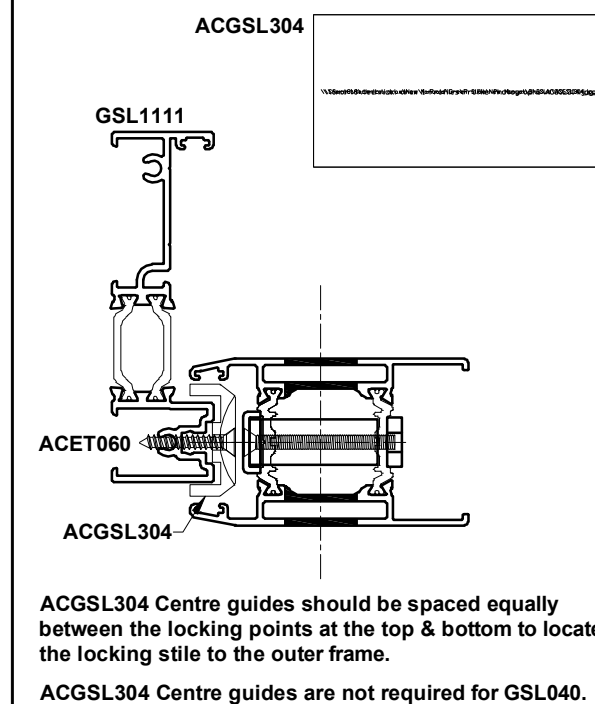
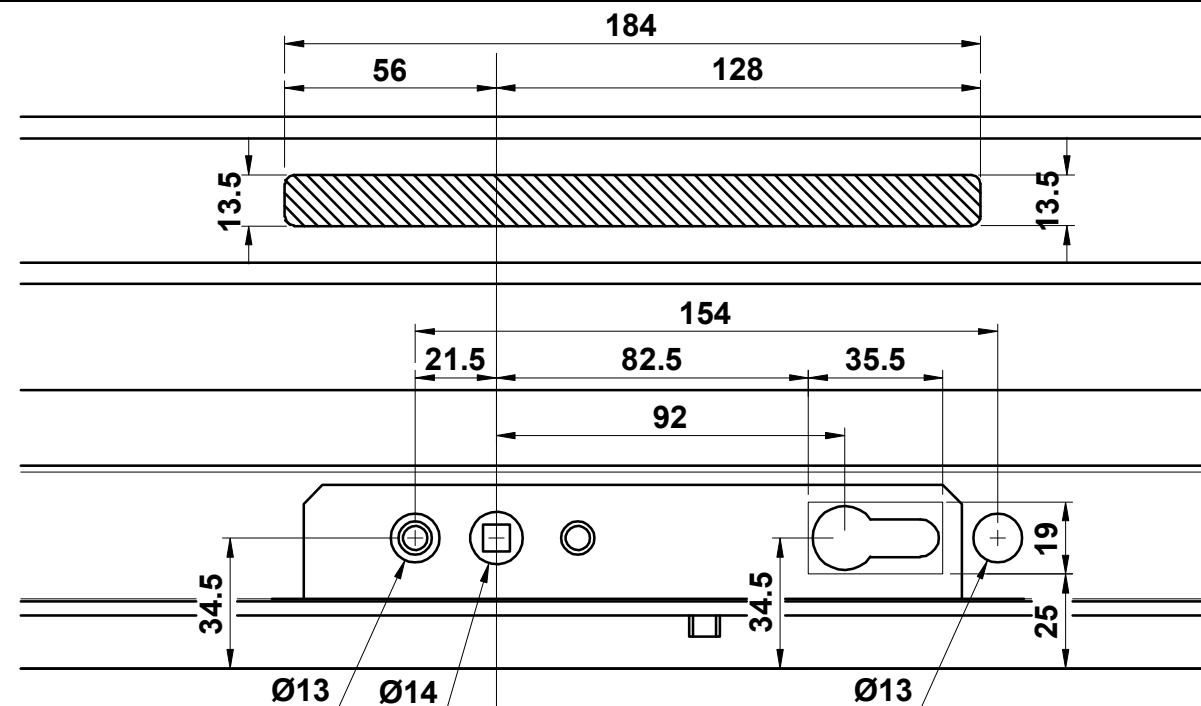
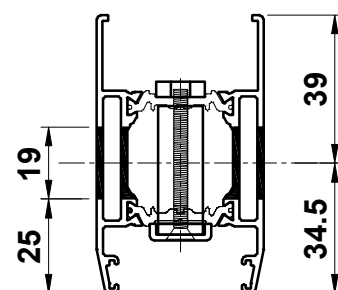
Do Not Scale From This Drawing

ACGSL1174 Lock Installation



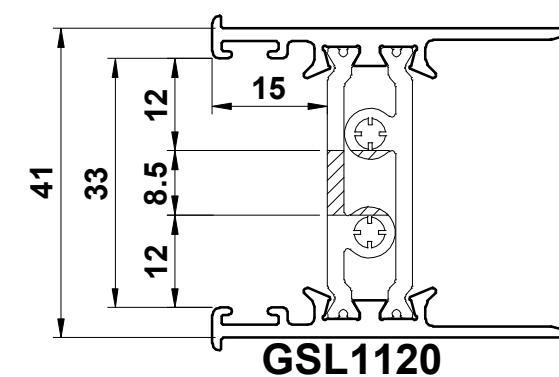
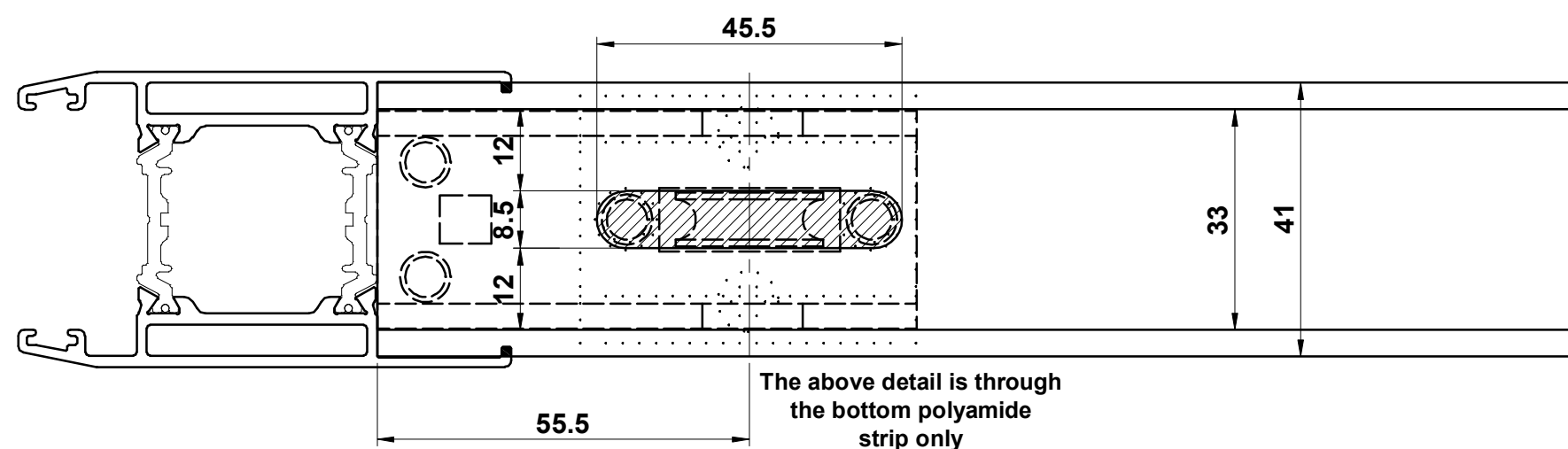
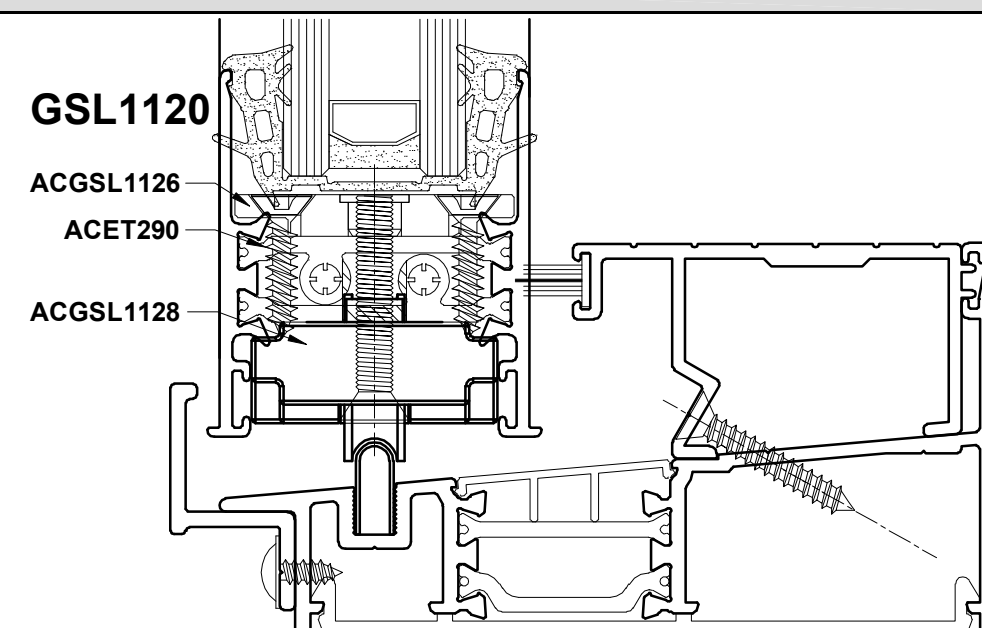
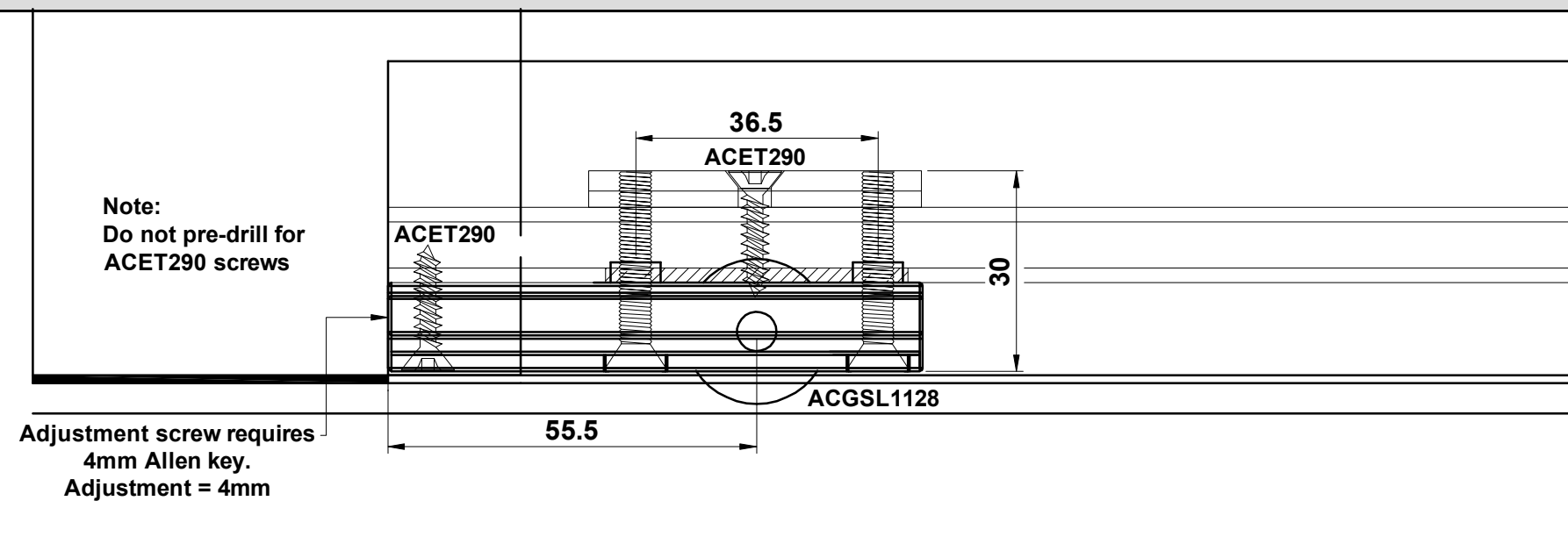
NOTE:

1. ACGSL1174 can be used with handles ACSL180-186 with ACMX01615 cylinder
2. ACGSL1174 can be cut down to 600mm keeping 2 locking points.

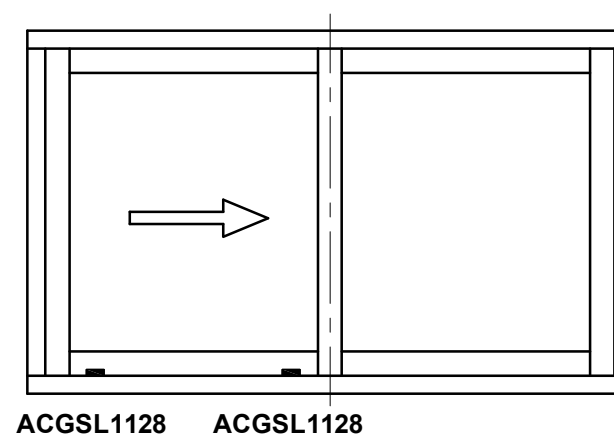


Do Not Scale From This Drawing

Roller Preparation



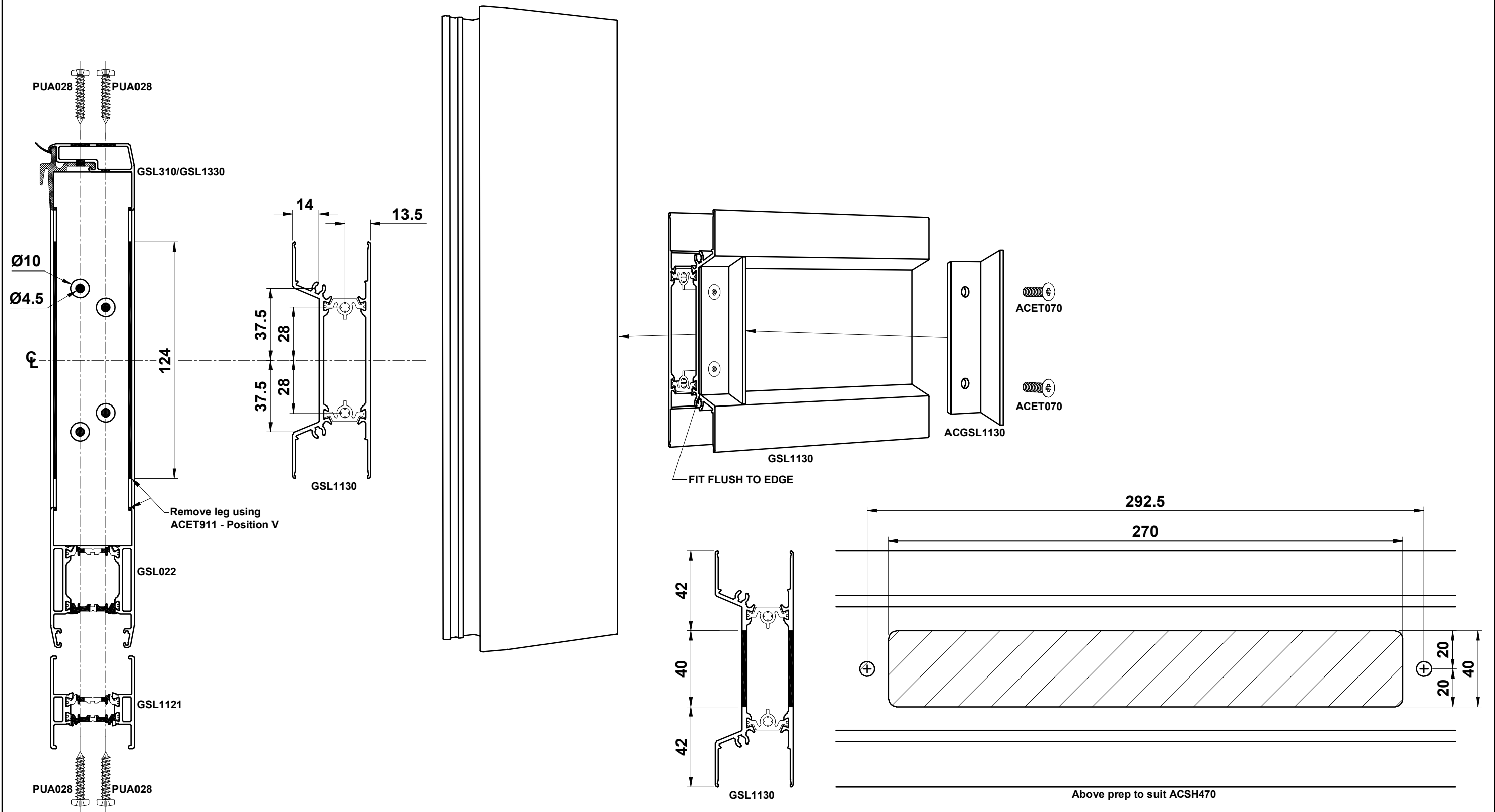
Note:
This drawing concentrates on the prep for
ACGSL1128 adjustable roller, however, it
also applies to ACGSL1125 fixed roller.



Important Note:
Only support glass above the rollers

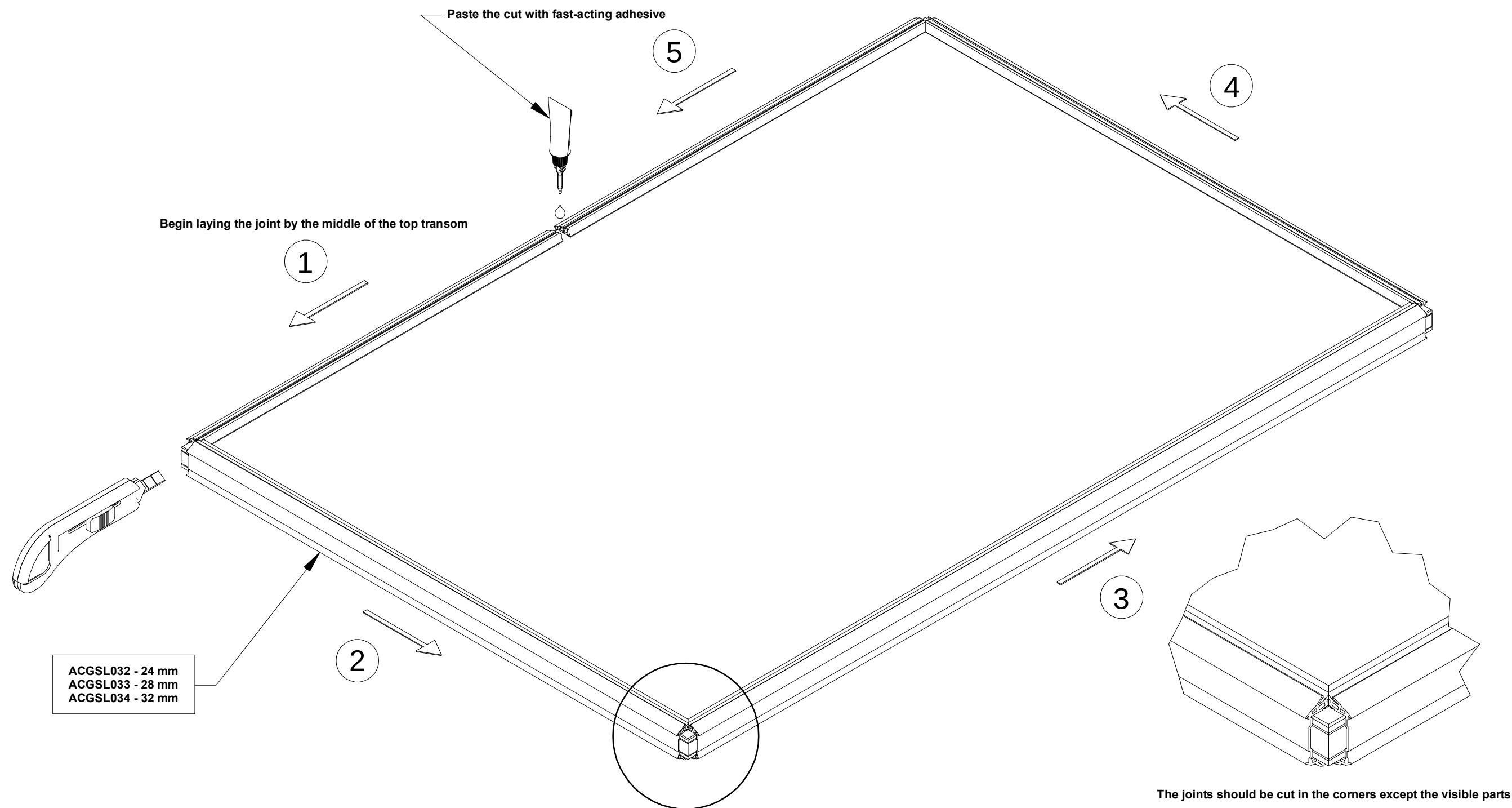
Do Not Scale From This Drawing

Mid-Rail/Letterplate Preparation



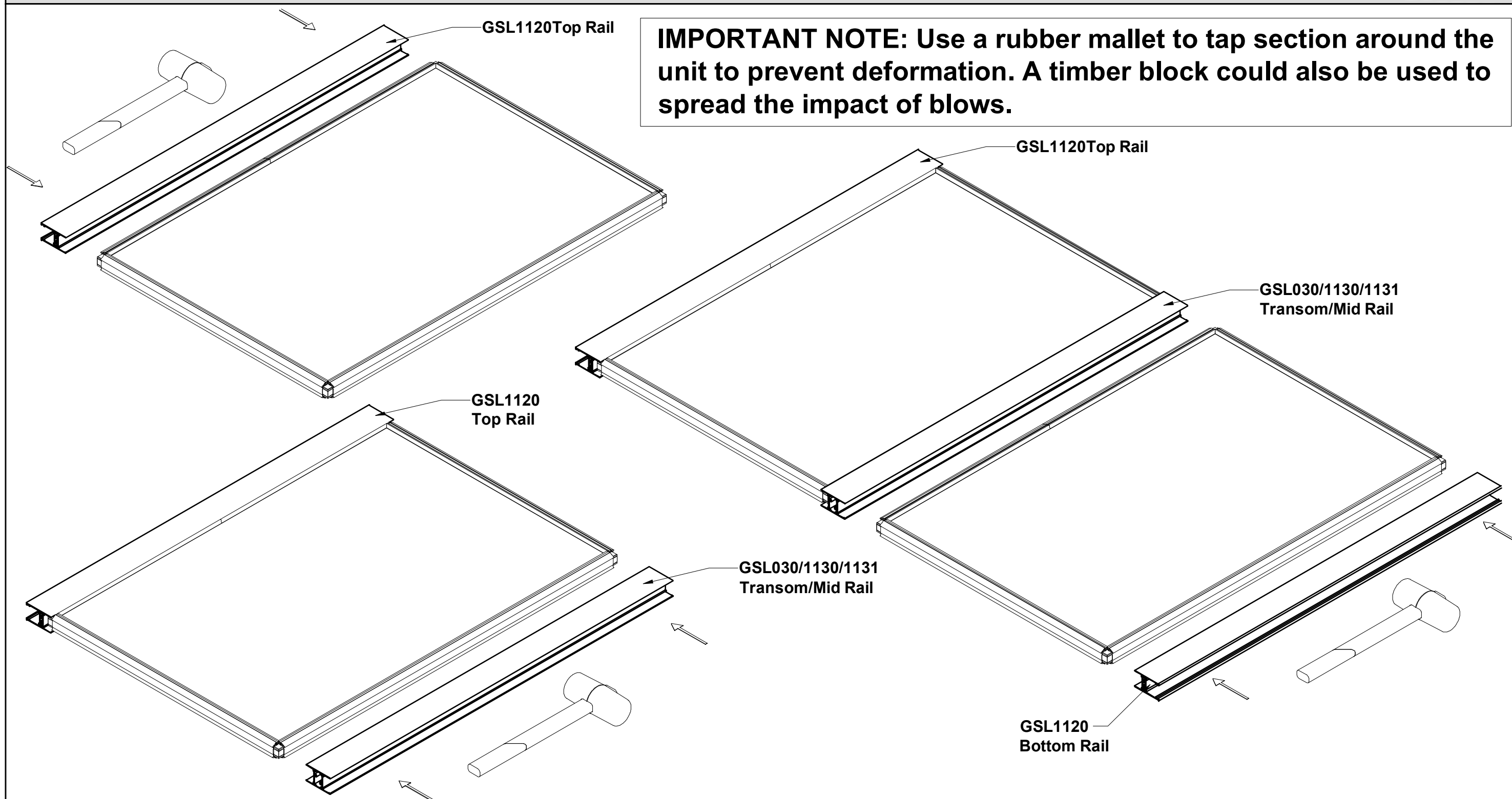
Do Not Scale From This Drawing

Sash Assembly



Do Not Scale From This Drawing

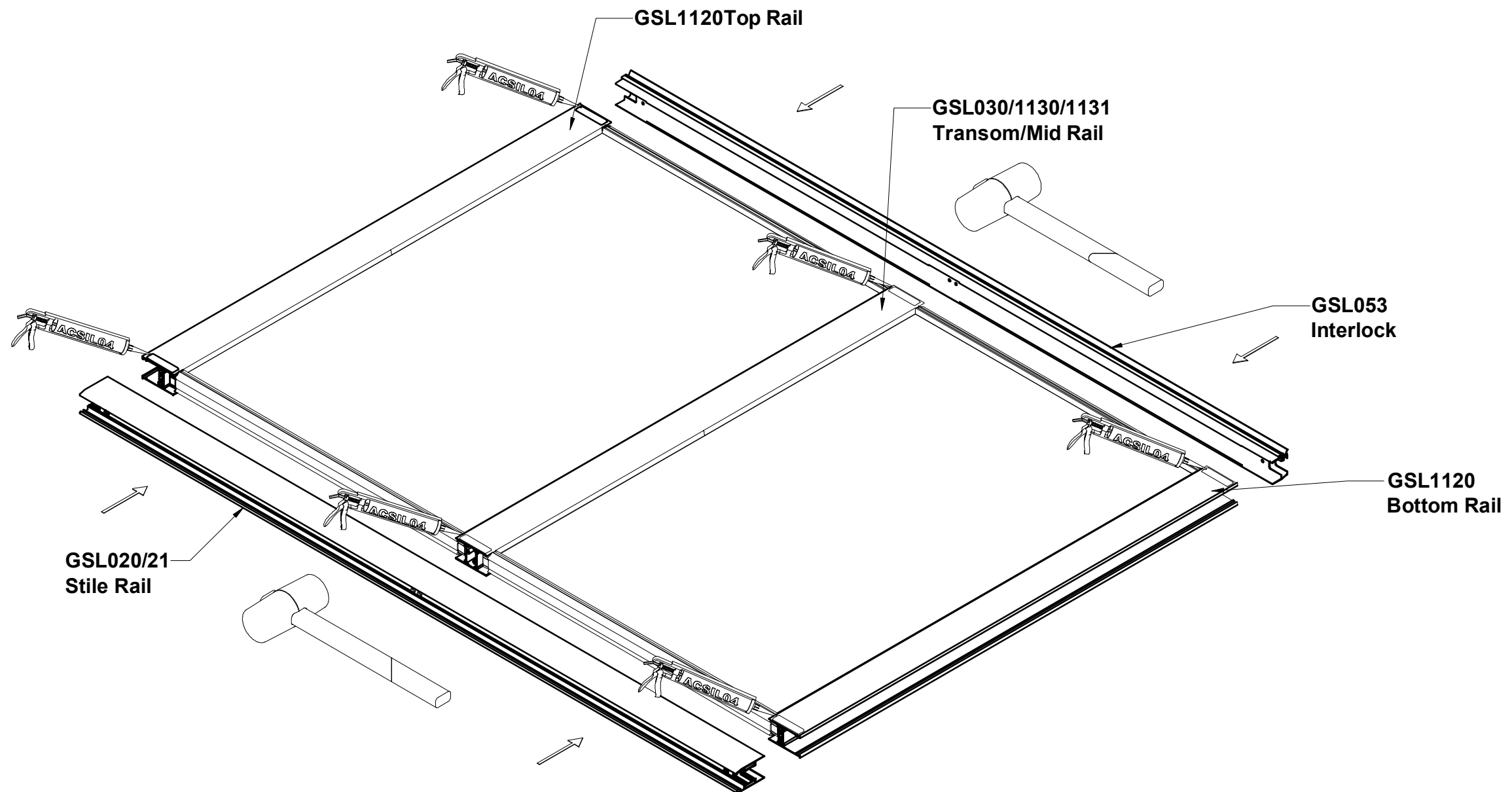
Sash Assembly



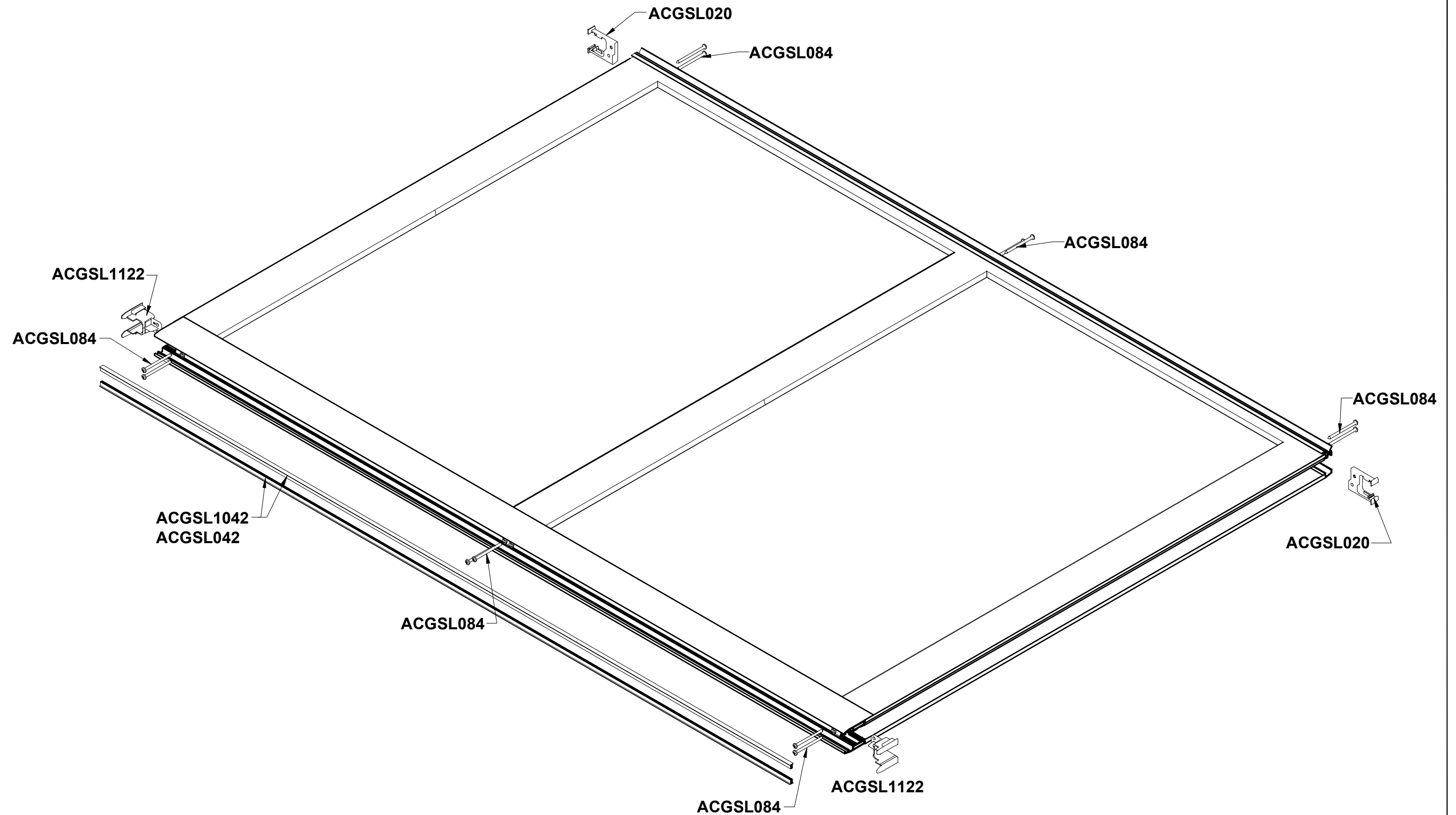
Do Not Scale From This Drawing

Sash Assembly

IMPORTANT NOTE: Use a rubber mallet to tap section around the unit to prevent deformation. A timber block could also be used to spread the impact of blows.

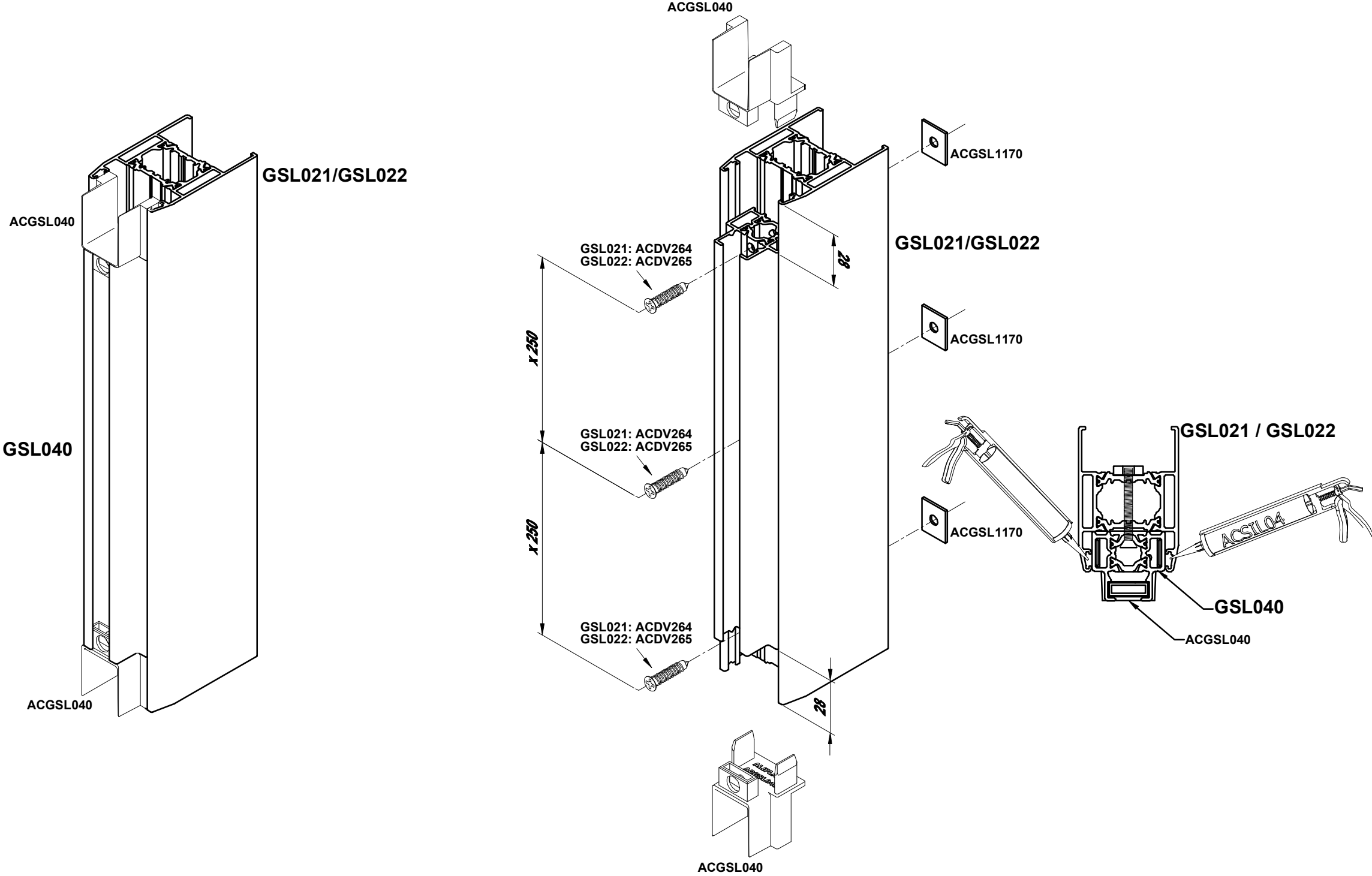


Do Not Scale From This Drawing

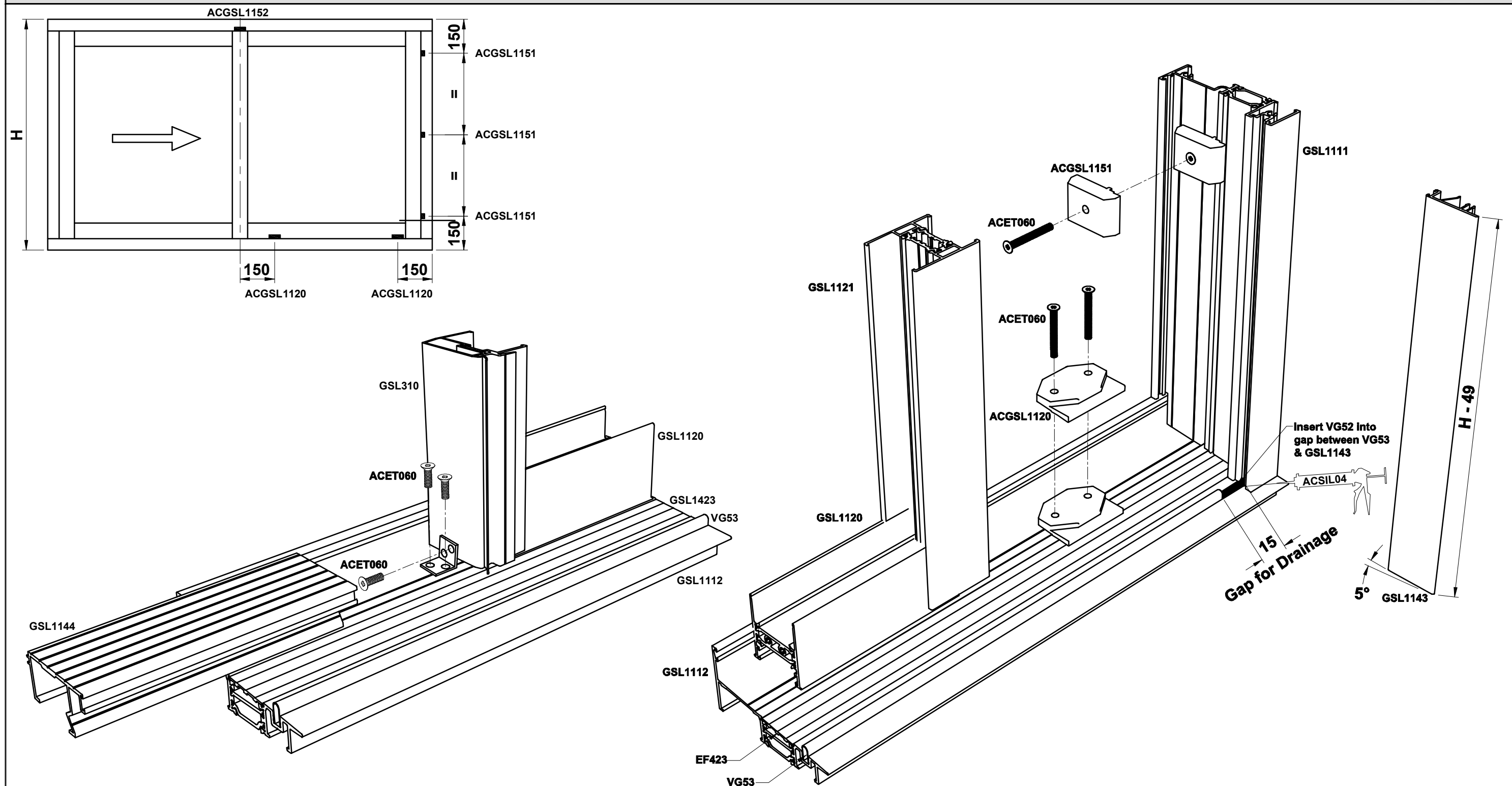


Do Not Scale From This Drawing

Meeting Stile Preparation



Fixed Sash Installation



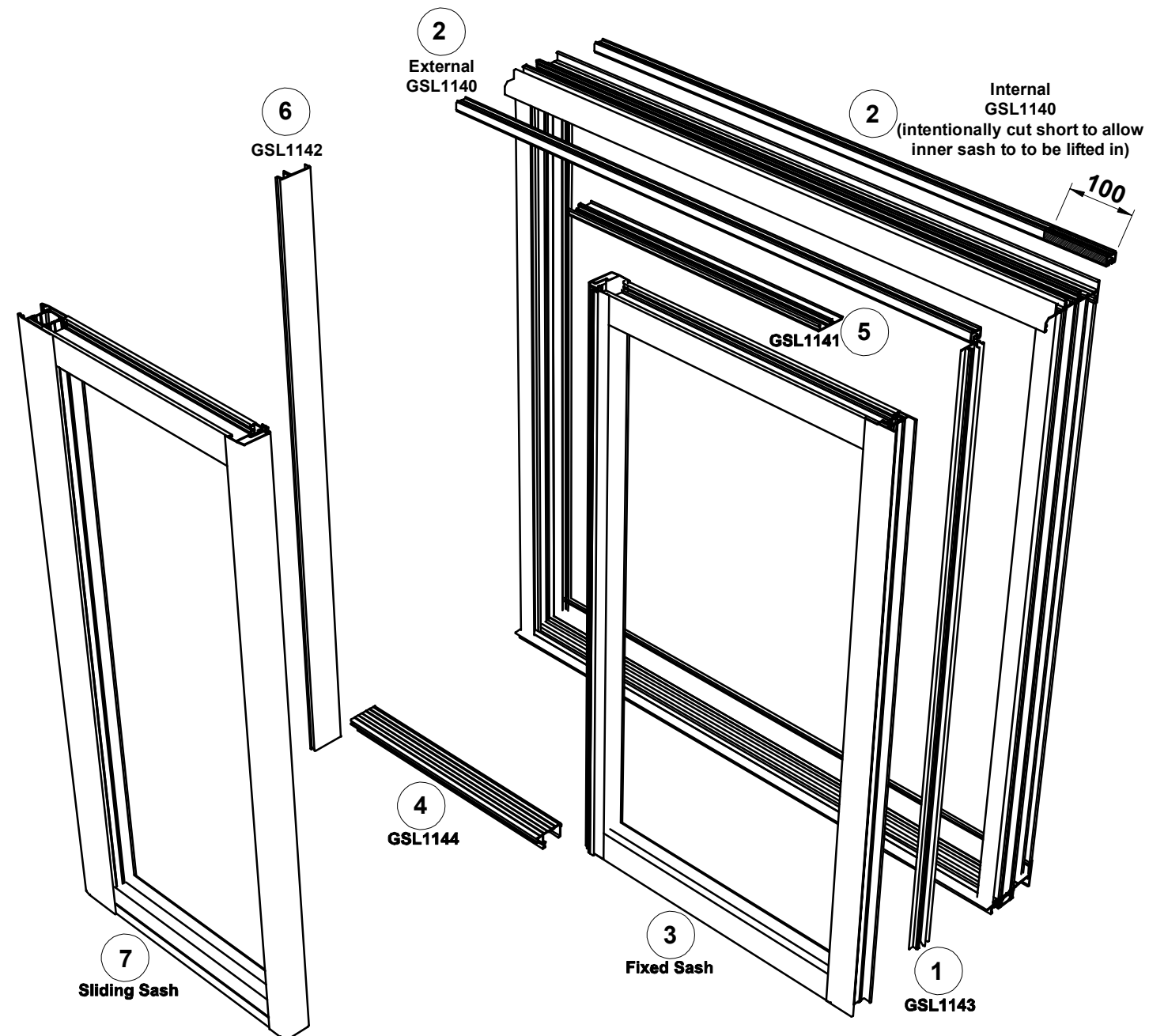
Do Not Scale From This Drawing

Order of 'Clip-in' Installation

The below steps are taken after fabrication of the outer frame which includes inserting the ACGSL042 woolpile, EF424 cover strip & VG53 stainless steel track.

Steps 4 to 7 should be completed on-site to conceal fixings into aperture.

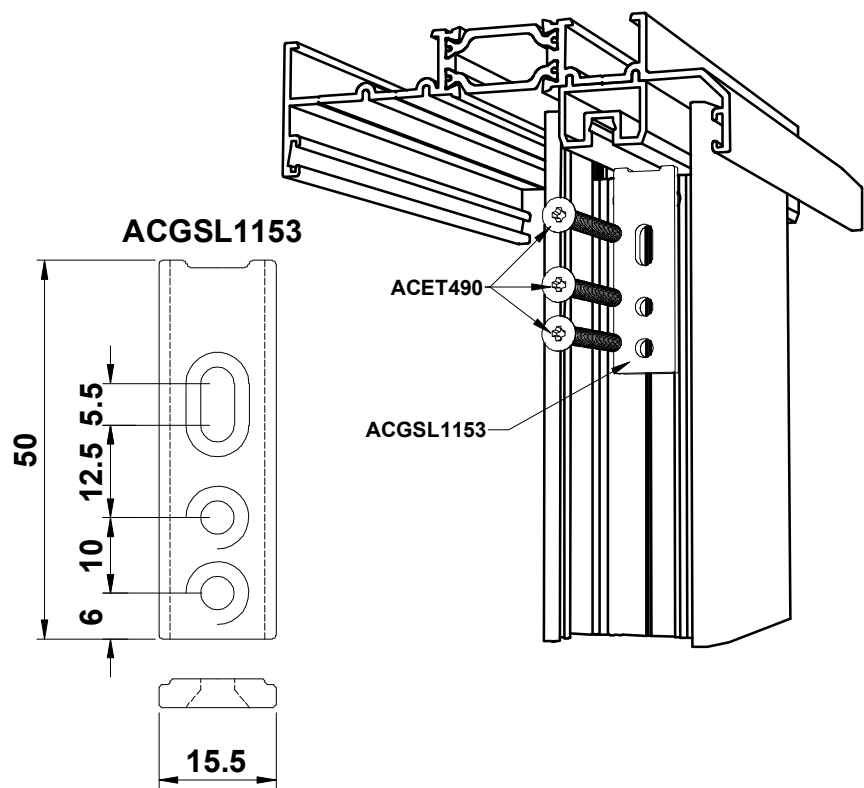
1. Insert woolpile ACGSL042 into the channel of GSL1143 and clip into position using a rubber mallet
2. GSL1140 Top tracks are screwed into position through the head section. The external GSL1140 is butted against GSL1143. The internal GSL1140 is cut short to allow the fixed sash to be lifted into position
3. Lift fixed sash into position on ACGSL1120 support blocks and locate against jamb using ACGSL1151 location blocks. The fixed sash shall then be secured using ACGSL1150
4. Insert woolpile ACGSL042 into the channel of GSL1144 and screw into position
5. Insert woolpile ACGSL042 into the channel of GSL1141 and clip into position using a rubber mallet
6. Insert woolpile ACGSL042 into the channel of GSL1142 and clip into position between GSL1141 & GSL1144
7. Lift sliding sash into position and fit ACGSL1152 anti-lift block and ACGSL1132 cover cap.



Do Not Scale From This Drawing

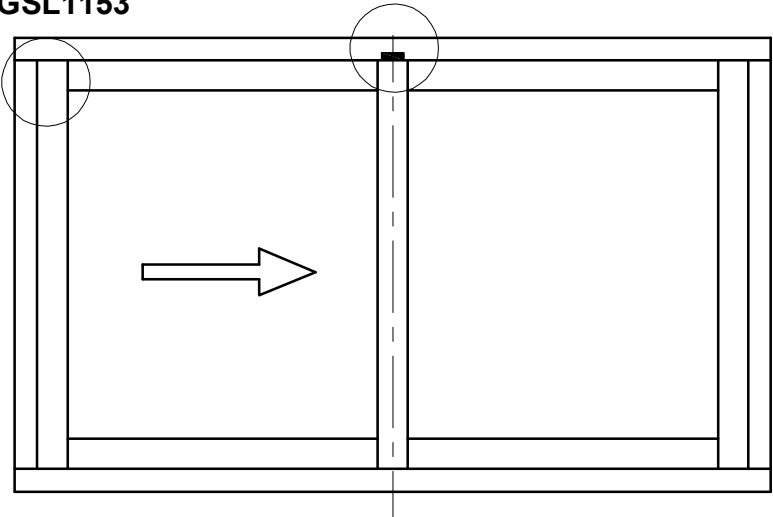
Anti-lift Fittings

ACGSL1153

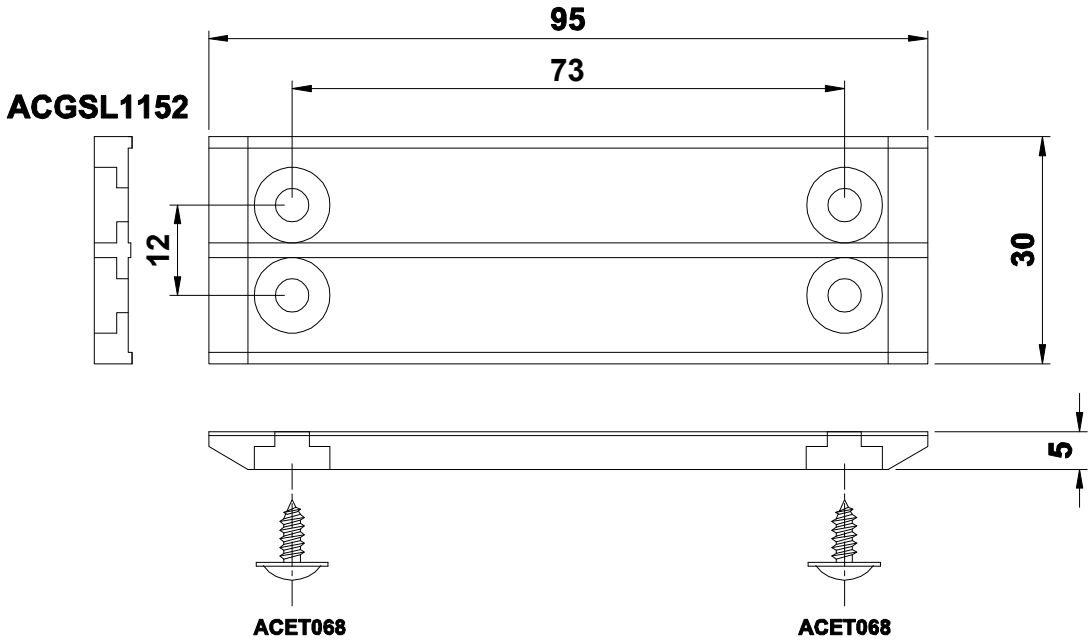
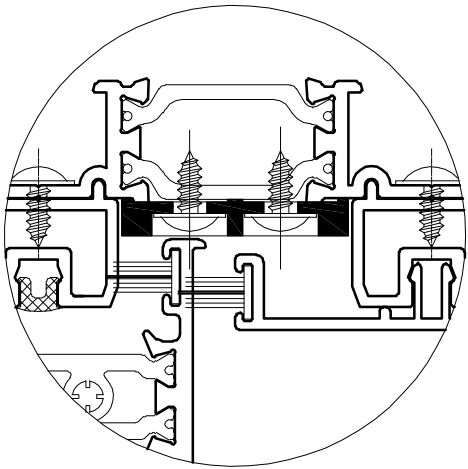


ACGSL1153

ACGSL1152

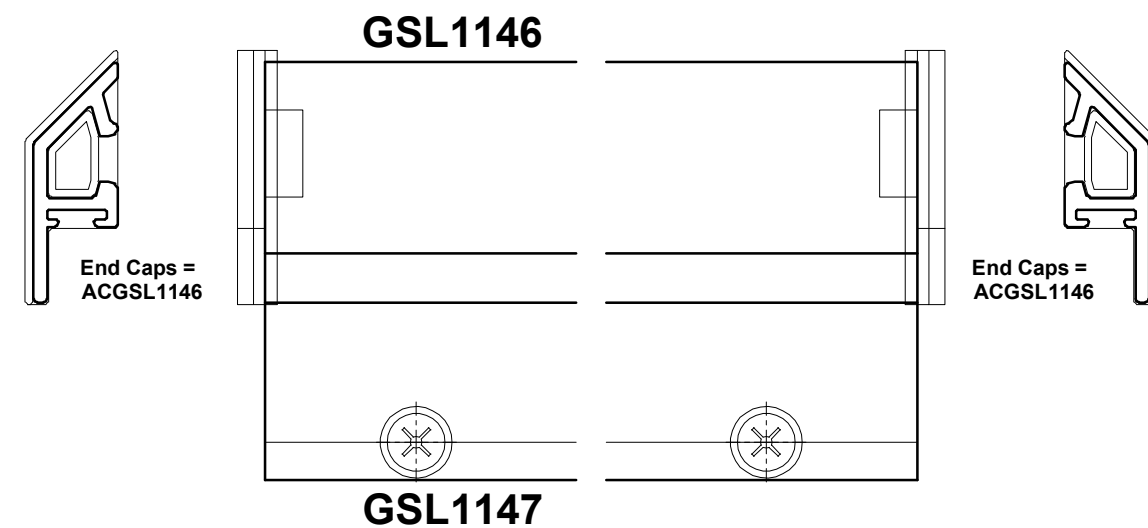
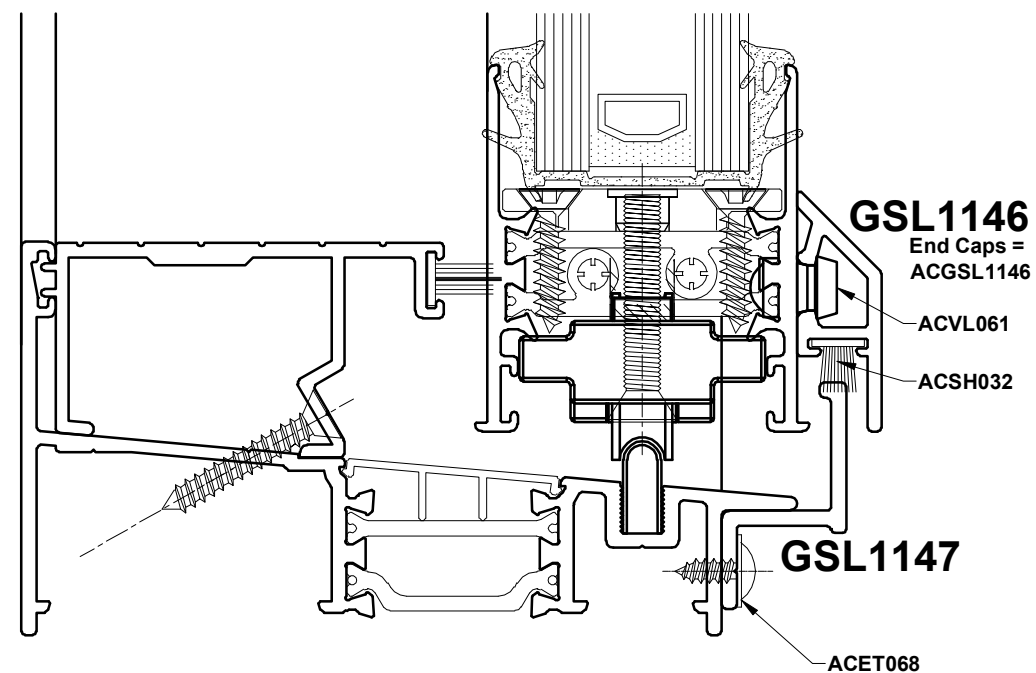
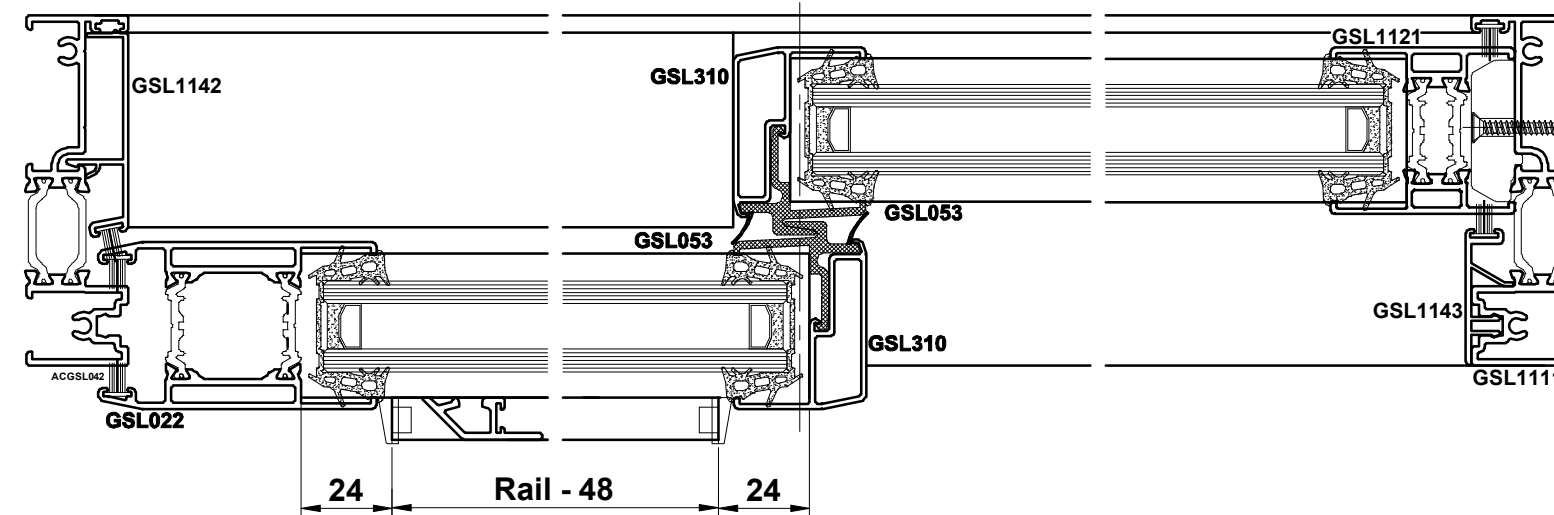


ACGSL1152



GSL1146 & GSL1147 Fitting Details

Note:
GSL1146 is fitted to the bottom rail
between the stiles.
GSL1147 is fitted inline with GSL1146 so
it is hidden when the door is closed.
By cutting GSL1147 smaller than the rail
length, notching of the interlock is
avoided.



Do Not Scale From This Drawing

Locking Jamb = H-30.5

45

85°

H

Locking Jamb = H-30.5

15.5

18

1.5

20.5

GSL1110

GSL1112

PUA028

PUA028

PUA028

12.5

Ø5.5

17

20.5

Ø5.5

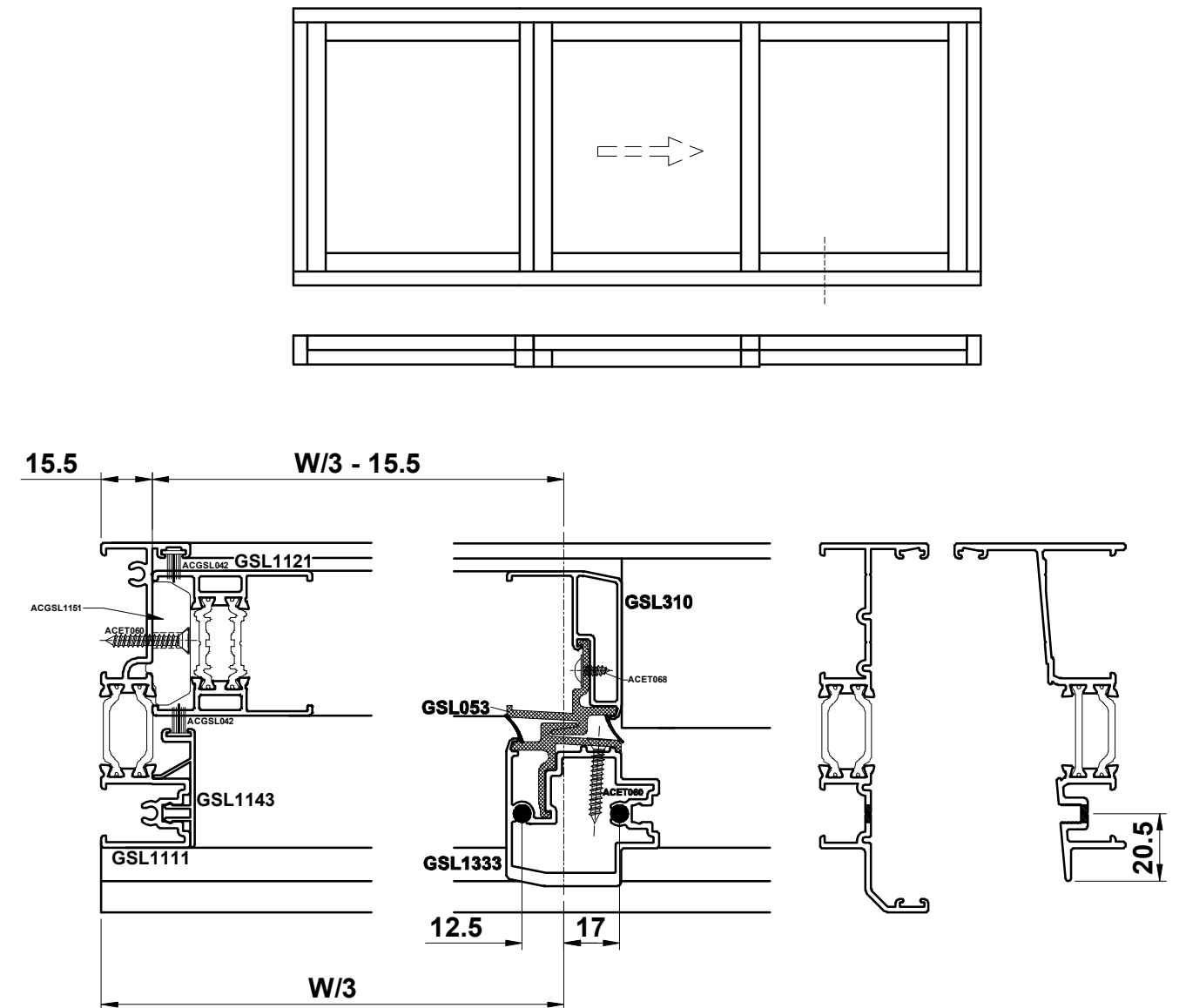
GSL1333

Centre Line

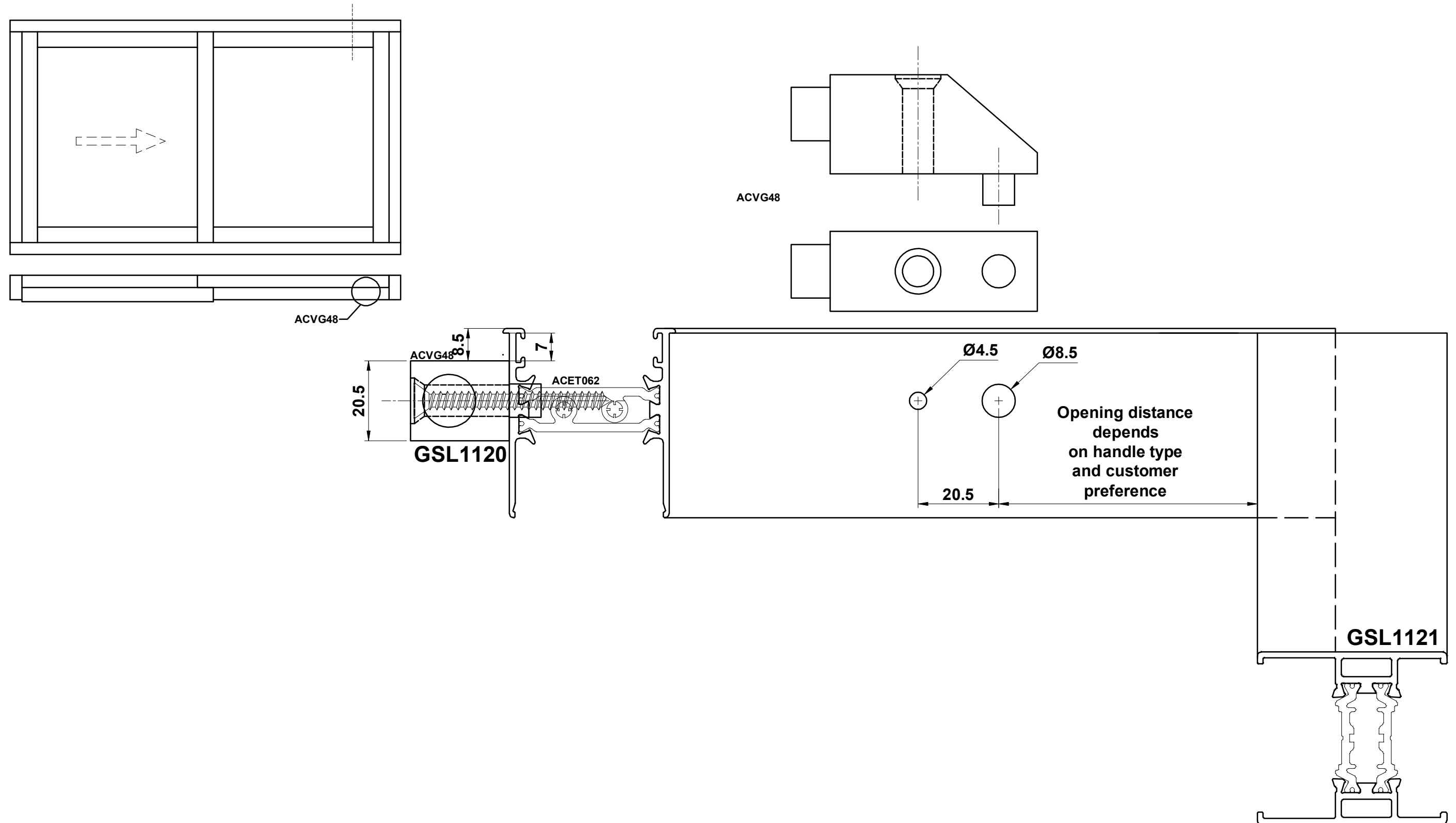
GSL1333 Preparation:

1. Connect GSL053 with GSL1333 by sliding in into position
2. Cut to length using the deductions shown
3. Screw GSL053 into GSL1333 using ACET060 screws at 300mm centres approx

- GSL1333 Preparation:**
- 1. Connect GSL053 with GSL1333 by sliding in into position**
- 2. Cut to length using the deductions shown**
- 3. Screw GSL053 into GSL1333 using ACET060 screws at 300mm centres approx.**
- 4. Mark & drill head & cill prior to assembly**
- 5. Assemble outer frame with GSL1111 jambs and GSL1333 locking jamb.**



ACVG48 Location

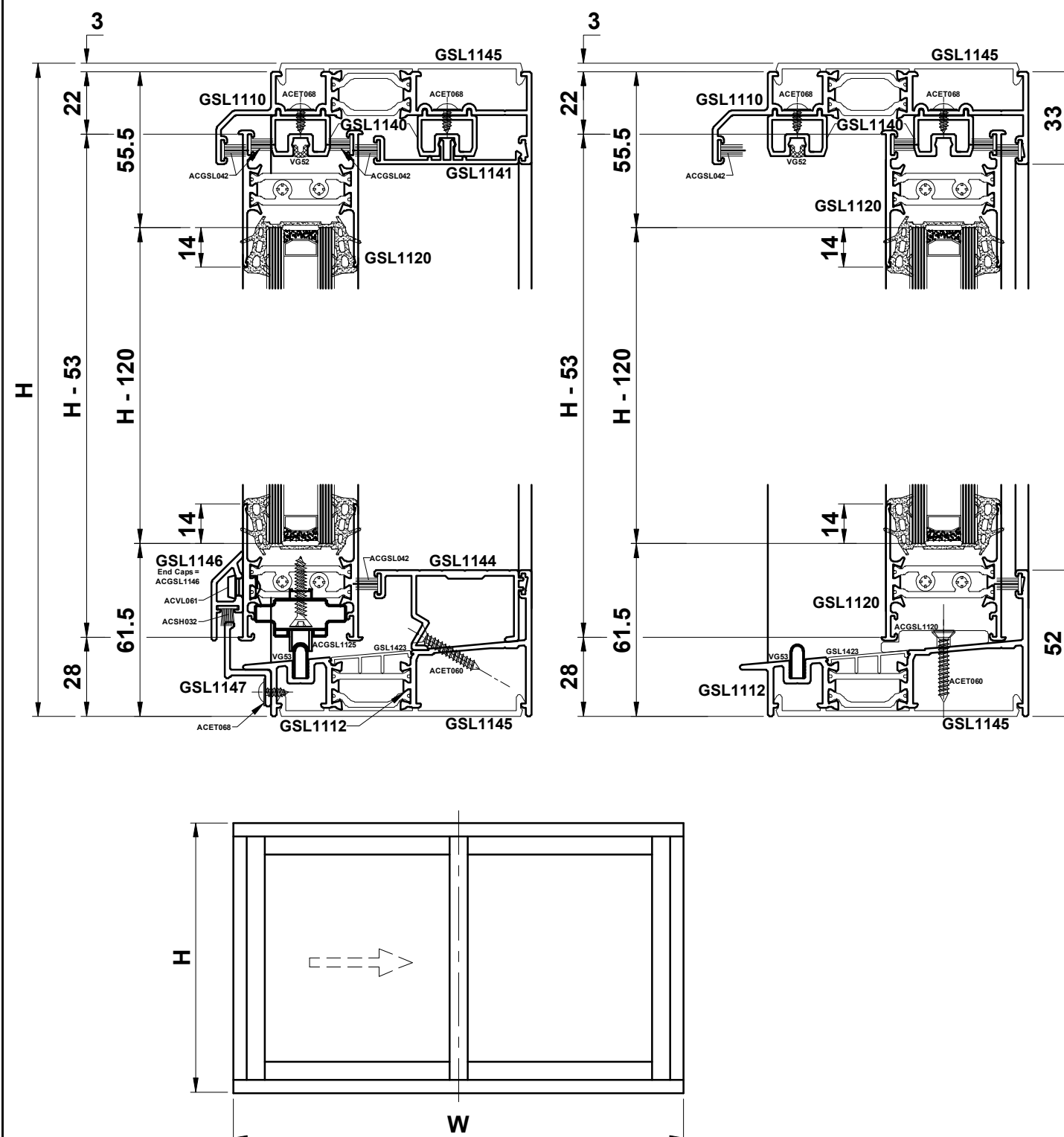


Do Not Scale From This Drawing



Section F

Cutting Information - 2 Pane with Central Interlock



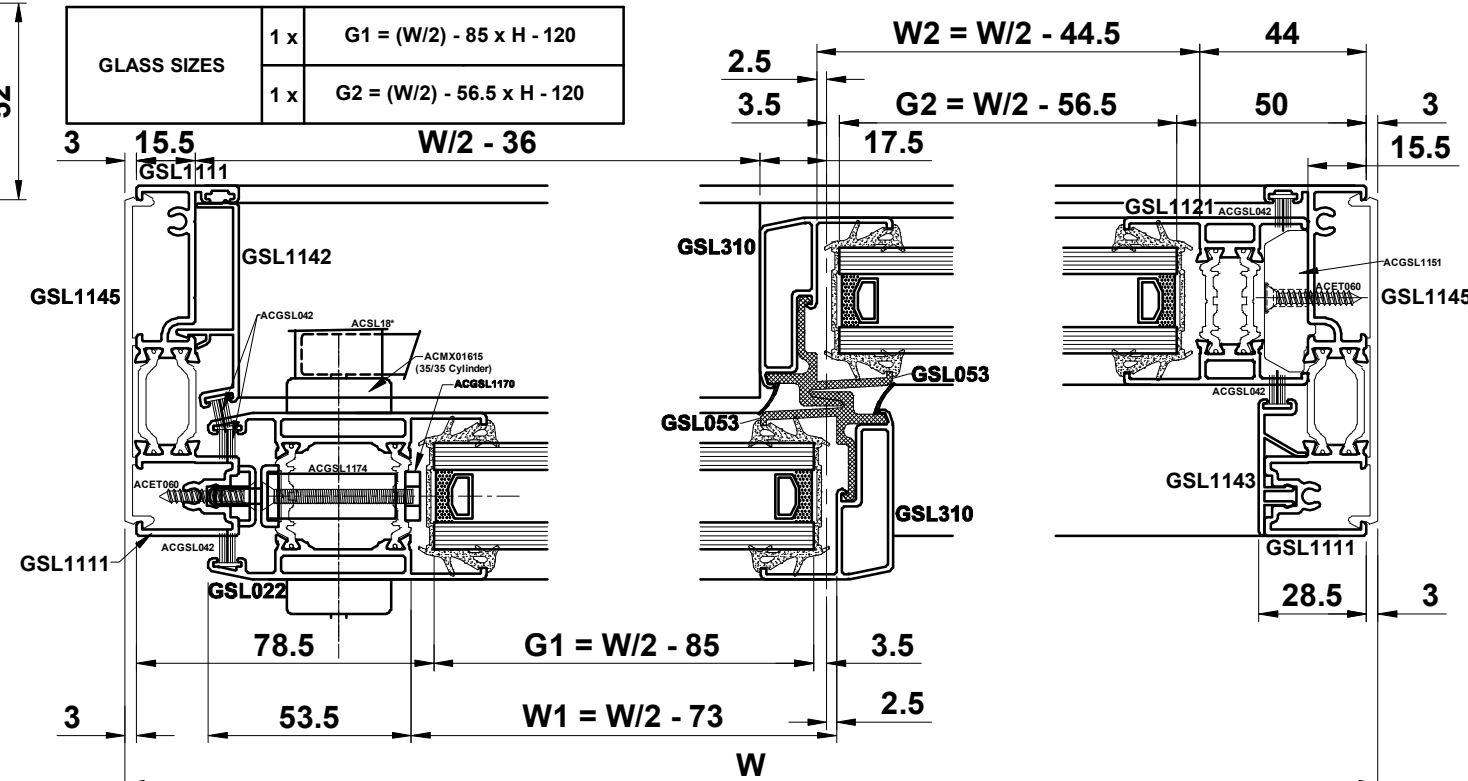
PROFILE CUTTING SCHEDULE

Outer Frame	GSL1110		1		W - 6	(to the longest point)
	GSL1111		2		H - 37.5	
	GSL1112		1		W - 6	
	GSL1140		1		W - 61.5	
	GSL1140		1		W - 162	
	GSL1141		1		W/2 - 36	
	GSL1142		1		H - 88	
	GSL1143		1		H - 37.5	(to the longest point)
	GSL1144		1		W/2 - 36	
	GSL1145		2		W	
	GSL1145		2		H - 38	
	GSL1147		1		W/2 - 121	
	GSL1423		1		W - 6	
Sashes	VG52		1		W - 61.5	
	VG52		1		H - 37.5	
	VG53		1		W - 91.5	
	GSL022		1		H - 53	
	GSL053		2		H - 53	
	GSL310		1		H - 53	
	GSL310 GSL1330 GSL1335		1		H - 53	
	GSL1120		2		W/2 - 73.5	
	GSL1120		2		W/2 - 46.5	
	GSL1121		1		H - 53	
	GSL1146		1		W/2 - 121	

GLASS SIZES	1 x	G1 = (W/2) - 85 x H - 120
	1 x	G2 = (W/2) - 56.5 x H - 120

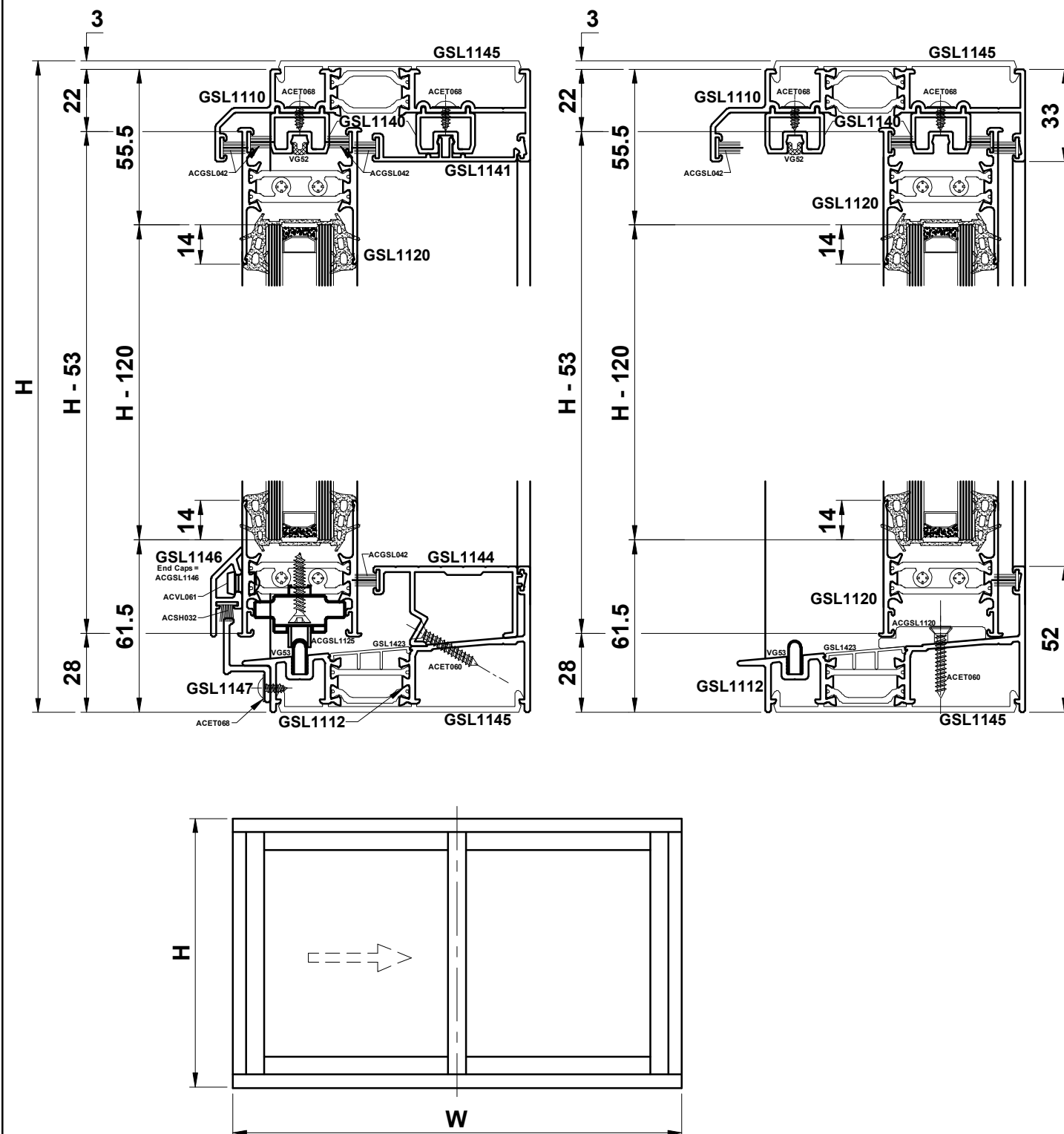
ACCESSORIES

ACET060	25 (approx)	Self Tapping C/S Screw
ACET068	60 (approx)	Self Tapping Flange Head Screw
ACET390	4	Screw To Secure ACGSL1125
ACGSL020	2 pairs	Interlock Guide
ACGSL032/33/34	4 x (W/2-72) + 4 x (H-131)	Glazing Gasket
ACGSL042/1042	3 x (W) + 3 x (H-31)	Outer Frame Woolpile
ACGSL042/1042	2 x (W-56) + 4 x (H-47)	Sash Woolpile
ACGSL084	16	Sash Assembly Screw
ACGSL304	2	Locking Stile Guide
ACGSL1120	2	Fixed Sash Support Blocks
ACGSL1122	2	GSL022 End Caps
ACGSL1125	2	Rollers
ACGSL1132	2	Cover Caps
ACGSL1146	1 pair	GSL1146 End Caps
ACGSL1150	1 pair	Bracket To Secure Fixed Sash
ACGSL1151	4	Location Block For Fixed Sash
ACGSL1152	1	Anti-lift Block
ACGSL1153	1	Locking Stile Anti-lift Block
ACGSL1170	12	Fixings For ACGSL1174
ACGSL1174	1	Multi-Point Lock
ACGSL1330/5	1 pair	End Cap For GSL1330/GSL1335
ACSL18*	1 pair	Handles
ACMX01615	1	35/35 Cylinder
PUA028	8	Screw For Outer Frame Assembly
ACSG071	12	Screw For ACGSL1170/1174
ACVG48	1	Buffer



Do Not Scale From This Drawing

Cutting Information - 2 Pane with Equal Sash Sizes



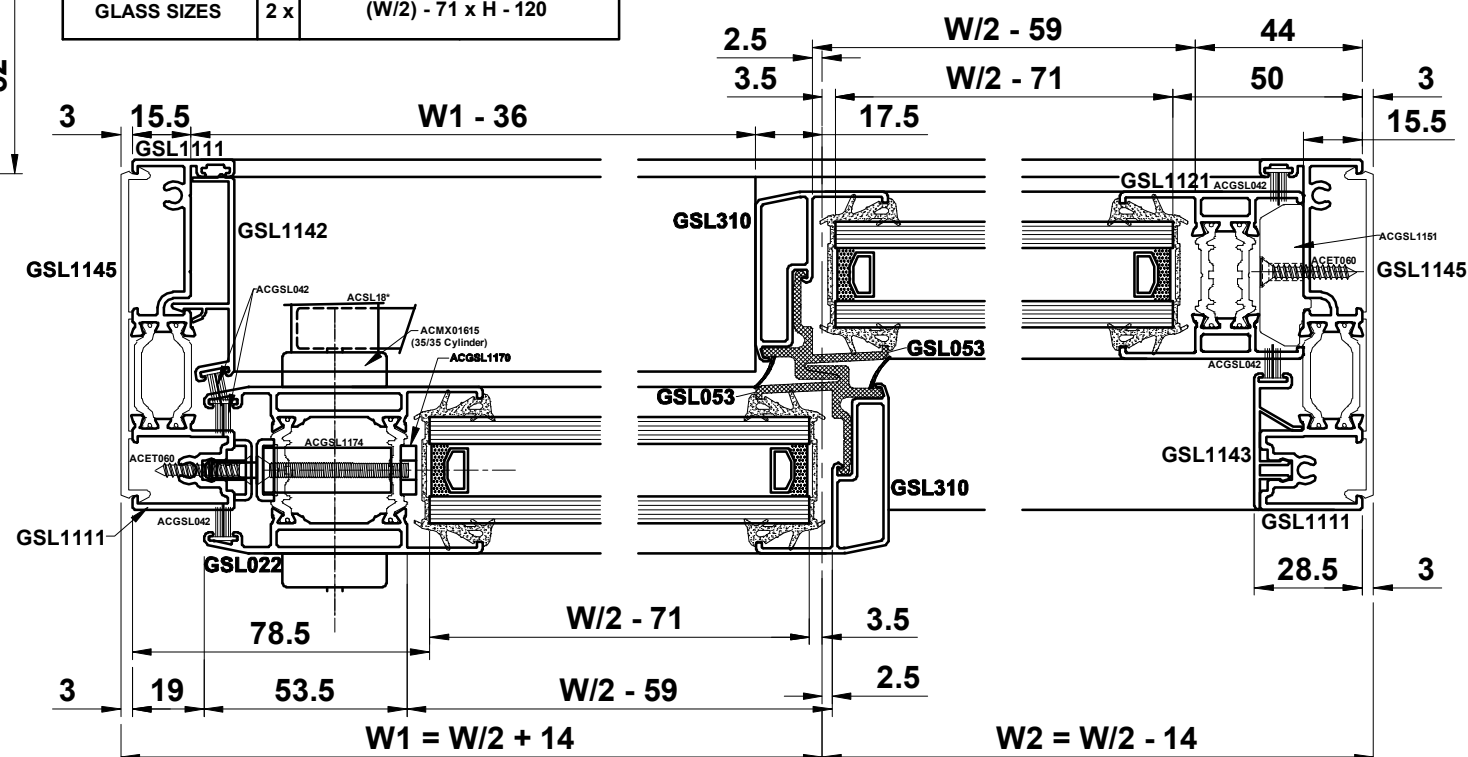
PROFILE CUTTING SCHEDULE

Outer Frame	GSL1110		1		W - 6	(to the longest point)
	GSL1111		2		H - 37.5	
	GSL1112		1		W - 6	(to the longest point)
	GSL1140		1		W - 61.5	
	GSL1140		1		W - 162	(to the longest point)
	GSL1141		1		W1 - 36	
	GSL1142		1		H - 88	(to the longest point)
	GSL1143		1		H - 37.5	
	GSL1144		1		W1 - 36	(to the longest point)
	GSL1145		2		W	
	GSL1145		2		H - 38	(to the longest point)
	GSL1147		1		W/2 - 121	
	GSL1423		1		W - 6	(to the longest point)
	VG52		1		W - 61.5	
VG52		1		H - 37.5	(to the longest point)	
VG53		1		W - 91.5		
Sashes	GSL022		1		H - 53	(to the longest point)
	GSL053		2		H - 53	
	GSL310		1		H - 53	(to the longest point)
	GSL310 GSL1330 GSL1335		1		H - 53	
	GSL1120		2		W/2 - 59	(to the longest point)
	GSL1120		2		W/2 - 59	
	GSL1121		1		H - 53	(to the longest point)
	GSL1146		1		W/2 - 121	

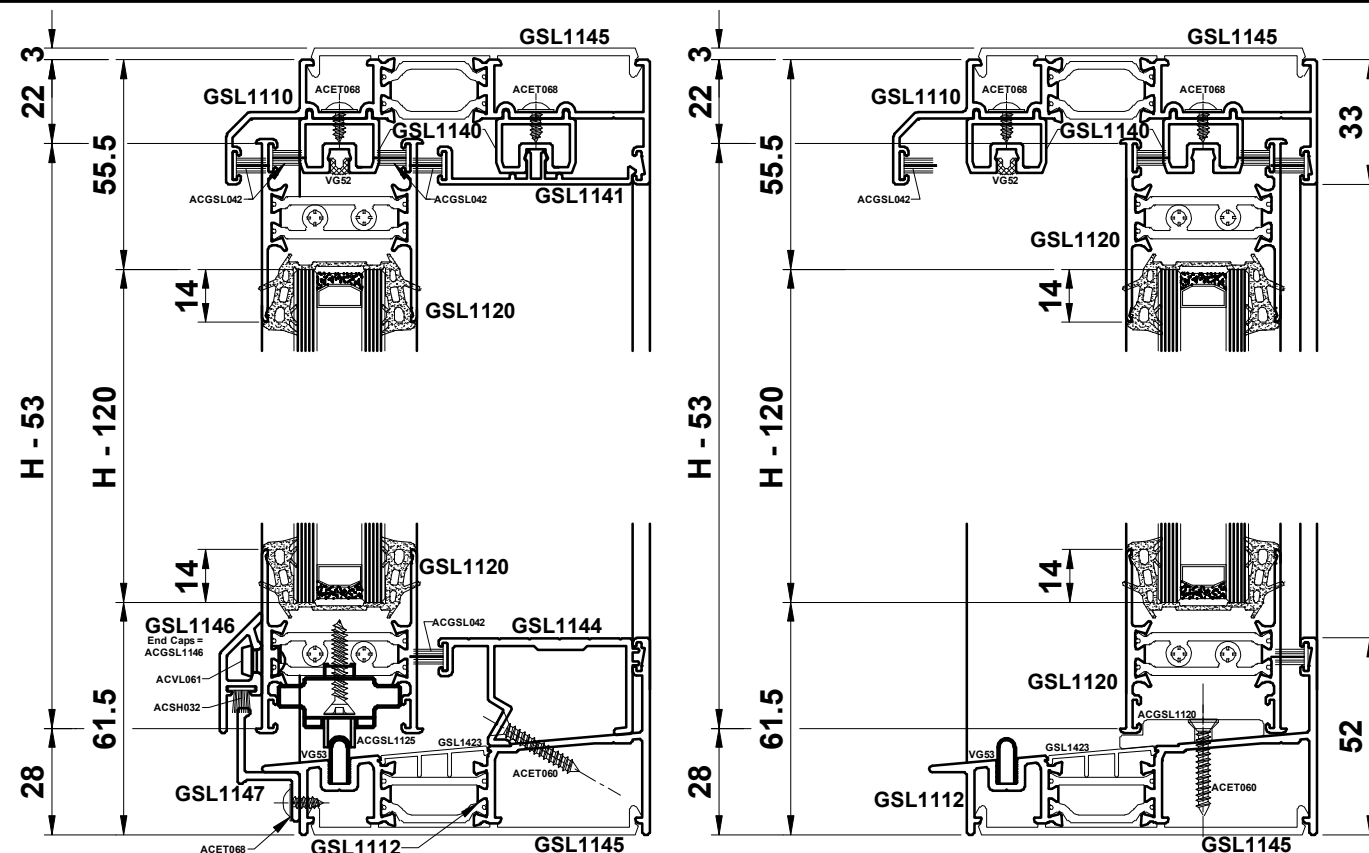
GLASS SIZES	2 x	(W/2) - 71 x H - 120
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ACCESSORIES

ACET060	25 (approx)	Self Tapping C/S Screw
ACET068	60 (approx)	Self Tapping Flange Head Screw
ACET390	4	Screw To Secure ACGSL1125
ACGSL020	2 pairs	Interlock Guide
ACGSL032/33/34	4 x (W/2-72) + 4 x (H-131)	Glazing Gasket
ACGSL042/1042	3 x (W) + 3 x (H-31)	Outer Frame Woolpile
ACGSL042/1042	2 x (W-56) + 4 x (H-47)	Sash Woolpile
ACGSL084	16	Sash Assembly Screw
ACGSL304	2	Locking Stile Guide
ACGSL1120	2	Fixed Sash Support Blocks
ACGSL1122	2	GSL022 End Caps
ACGSL1125	2	Rollers
ACGSL1132	2	Cover Caps
ACGSL1146	1 pair	GSL1146 End Caps
ACGSL1150	1 pair	Bracket To Secure Fixed Sash
ACGSL1151	4	Location Block For Fixed Sash
ACGSL1152	1	Anti-lift Block
ACGSL1153	1	Locking Stile Anti-lift Block
ACGSL1170	12	Fixings For ACGSL1174
ACGSL1174	1	Multi-Point Lock
ACGSL1330/5	1 pair	End Cap For GSL1330/GSL1335
ACSL18*	1 pair	Handles
ACMX01615	1	35/35 Cylinder
PUA028	8	Screw For Outer Frame Assembly
ACSG071	12	Screw For ACGSL1170/1174
ACVG48	1	Buffer



Cutting Information - 3 Pane with Equal Sash Sizes



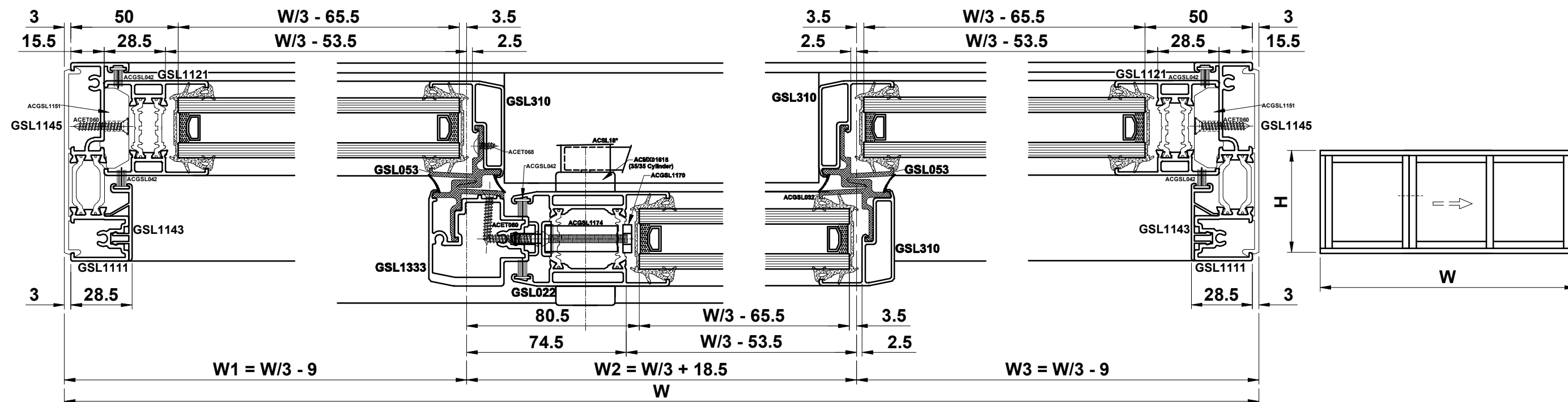
PROFILE CUTTING SCHEDULE

Outer Frame	GSL1110		1		W - 6	(to the longest point)
	GSL1111		2		H - 37.5	
	GSL1112		1		W - 6	(to the longest point)
	GSL1140		1		W - 63	
	GSL1140		1		W - 163	(to the longest point)
	GSL1141		1		W2 - 35	
	GSL1143		2		H - 38	(to the longest point)
	GSL1144		1		W2 - 35	
	GSL1145		2		W	(to the longest point)
	GSL1145		2		H - 31.5	
	GSL1147		1		W2 - 115	(to the longest point)
GSL1333 & GSL053		1		H - 30.5		
	GSL1423		1		W - 6	
	VG52		1		W - 61.5	
	VG53		1		W - 91.5	
Sashes	GSL022		1		H - 53	
	GSL053		3		H - 53	
	GSL310		2		H - 53	
	GSL310		2		H - 53	
	GSL1330		2		H - 53	
	GSL1335		2		H - 53	
	GSL1120		6		W/3 - 53.5	
	GSL1121		2		H - 53	
	GSL1146		1		W2 - 123	

ACCESSORIES

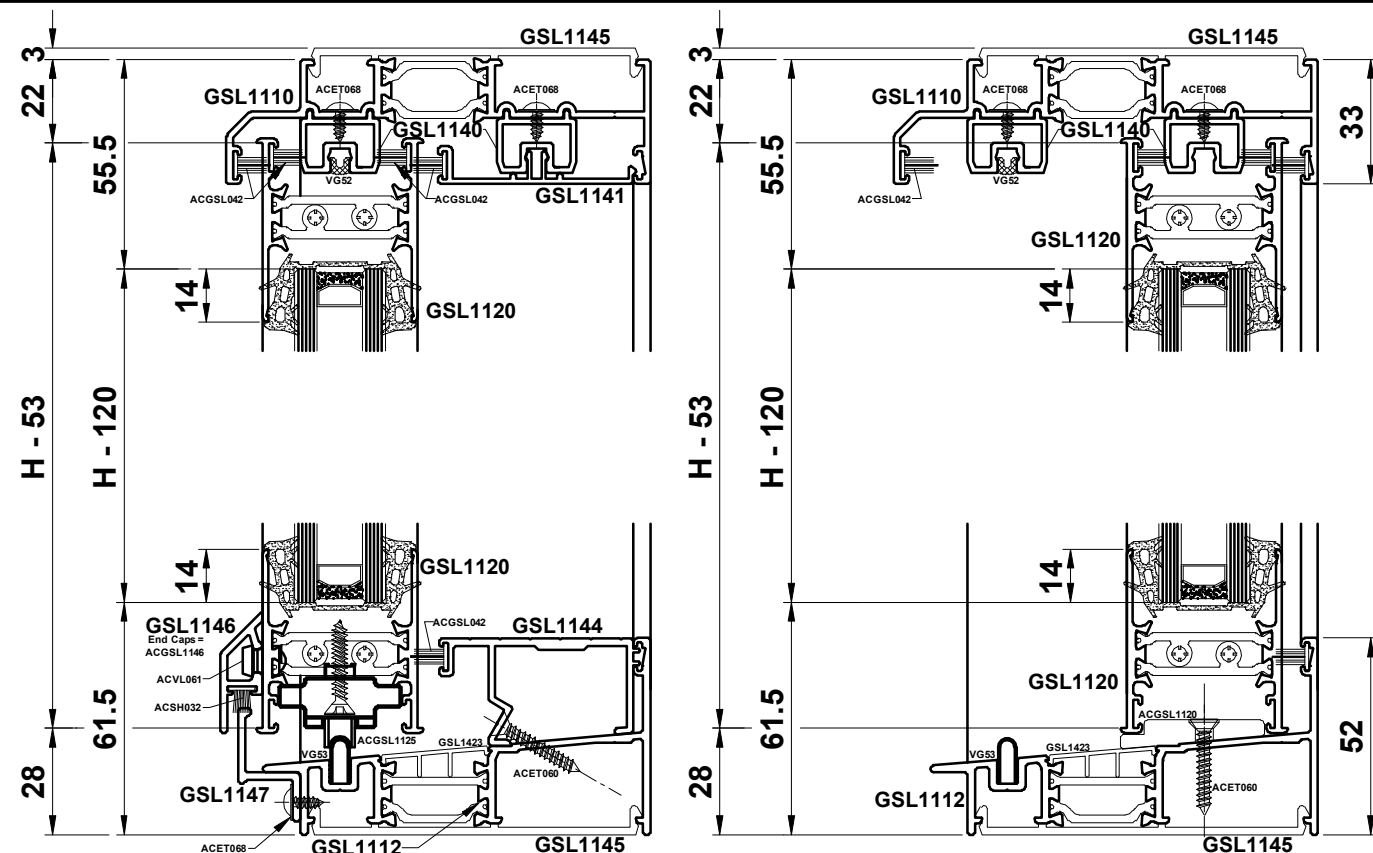
ACET060	60 (approx)	Self Tapping C/S Screw
ACET068	70 (approx)	Self Tapping Flange Head Screw
ACET122	10	Machine Screw For ACGSL1171
ACET390	8	Screw To Secure ACGSL1125
ACGSL020	3 pairs	Interlock Guide
ACGSL032/33/34	6 x (W/3) - 45 x 6 x H - 131	Glazing Gasket
ACGSL042/1042	3 x (W) + 4 x (H-31)	Outer Frame Woolpile
ACGSL042/1042	2 x (W-56) + 2 x (H-47)	Sash Woolpile
ACGSL084	24	Sash Assembly Screw
ACGSL1120	4	Fixed Sash Support Blocks
ACGSL1122	2	GSL022 End Caps
ACGSL1125	2	Rollers
ACGSL1132	6	Cover Caps
ACGSL1146	1 pair	GSL1146 End Caps
ACGSL1150	4	Bracket To Secure Fixed Sash
ACGSL1151	8	Location Block For Fixed Sash
ACGSL1152	1	Anti-lift Block
ACGSL1153	1	Locking Stile Anti-lift Block
ACGSL1170	12	Fixings For ACGSL1174
ACGSL1174	1	Multi-Point Lock
ACGSL1330/5	1 pair	End Cap For GSL1330/GSL1335
ACSL180/1	1 pair	Handles
ACMX01615	1	35/35 Cylinder
ACSG071	12	Screw For ACGSL1170/1174
PUA028	8	Screw For Outer Frame Assembly
ACVG48	1	Buffer

GLASS SIZES	3 x	(W/3) - 65.5 x H - 120
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Do Not Scale From This Drawing

Cutting Information - 4 Pane Equal Sash Sizes



PROFILE CUTTING SCHEDULE

Outer Frame	GSL1110		1		W - 6
	GSL1111		2		H - 37.5 (to the longest point)
	GSL1112		1		W - 6
	GSL1140		1		W - 63
	GSL1140		1		W - 263
	GSL1141		1		W/2 - 26
	GSL1143		2		H - 38 (to the longest point)
	GSL1144		1		W/2 - 26
	GSL1145		2		W
	GSL1145		2		H - 31.5
	GSL1147		1		W/2 - 34
	GSL1423		1		W - 6
	VG52		1		W - 61.5
	VG53		1		W - 91.5
Sashes	GSL022		2		H - 53
	GSL040		1		H - 109
	GSL053		4		H - 53
	GSL310		2		H - 53
	GSL310		2		H - 53
	GSL330		2		H - 53
	GSL335		2		H - 53
	GSL1120		8		W/4 - 49
	GSL1121		2		H - 53
	GSL1146		2		W/4 - 97

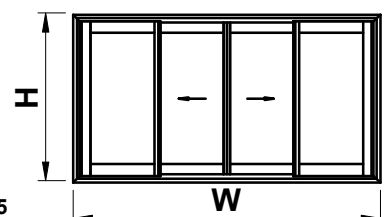
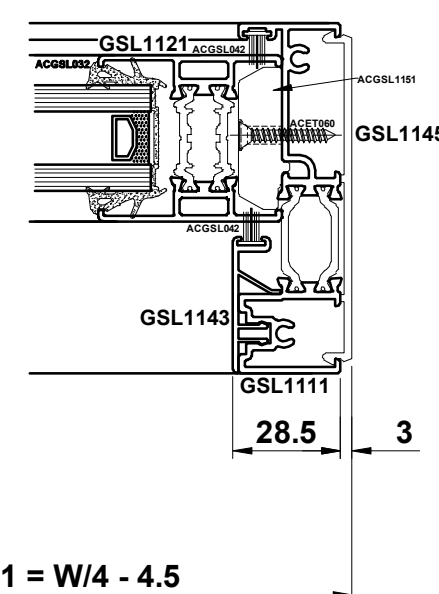
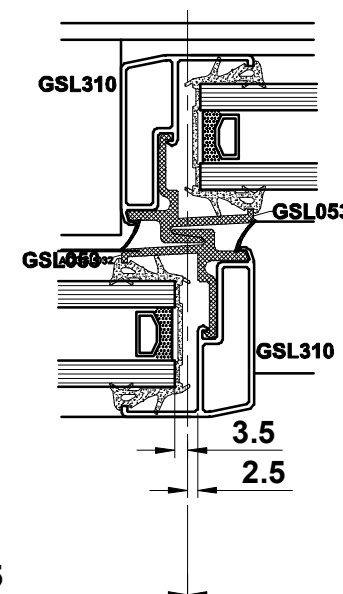
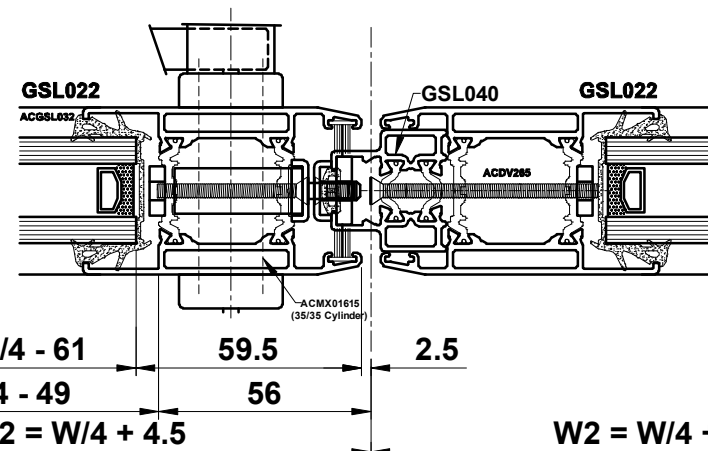
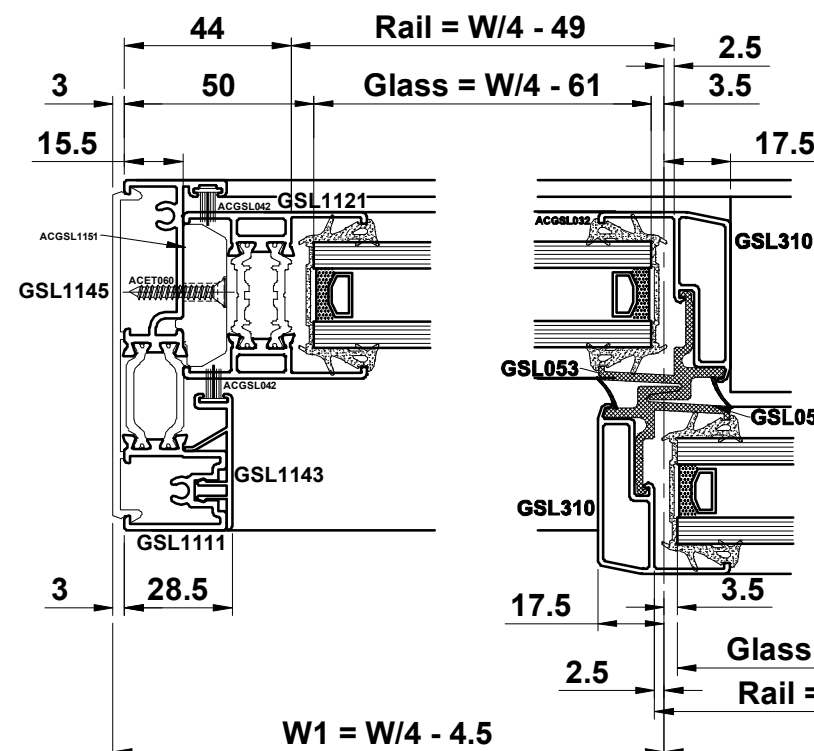
GLASS SIZES 4 x (W/4) - 61 x H - 120

ACCESSORIES

ACDV265	10 (approx)	Machine Screw For GSL040
ACET060	50 (approx)	Self Tapping C/S Screw
ACET068	70 (approx)	Self Tapping Flange Head Screw
ACET122	10	Machine Screw For ACGSL1171
ACET390	8	Screw To Secure ACGSL1125
ACGSL020	4 pairs	Interlock Guide
ACGSL032/33/34	8 x (W/4) - 45 + 8 x H - 131	Glazing Gasket
ACGSL040	2	GSL040 End Cap
ACGSL042/1042	3 x (W) + 4 x (H-31)	Outer Frame Woolpile
ACGSL042/1042	4 x (W-56) + 2 x (H-47)	Sash Woolpile
ACGSL061	2 x (H-103)	Gasket For GSL040
ACGSL084	32	Sash Assembly Screw
ACGSL1120	4	Fixed Sash Support Blocks
ACGSL1122	4	GSL022 End Caps
ACGSL1125	4	Rollers
ACGSL1132	4	Cover Caps
ACGSL1146	2 pairs	GSL1146 End Caps
ACGSL1150	2 pairs	Bracket To Secure Fixed Sash
ACGSL1151	8	Location Block For Fixed Sash
ACGSL1152	2	Anti-lift Block
ACGSL1153	1	Locking Stile Anti-lift Block
ACGSL1170	24	Fixings For ACGSL1174
ACGSL1171	10	Fixings For Keep in GSL040
ACGSL1174	1	Multi-Point Lock
ACGSL1330/5	2 pairs	End Cap For GSL1330/GSL1335
ACSL180/1	1 pair	Handles
ACMX01615	1	35/35 Cylinder
ACSG071	24	Screw For ACGSL1170/1174
PUA028	8	Screw For Outer Frame Assembly
ACVG48	2	Buffer

Optional:

ACSL182/3	1 Pair	Dummy Handles
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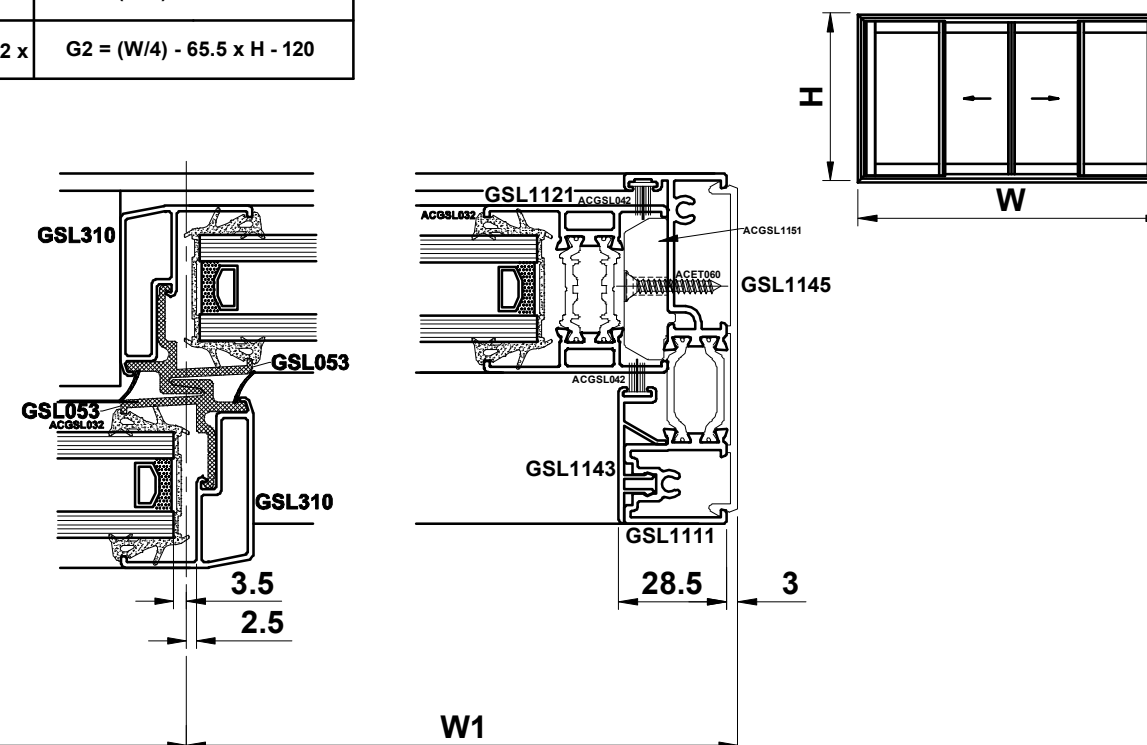


ACCESSORIES

ACDV265	10 (approx)	Machine Screw For GSL040
ACET060	50 (approx)	Self Tapping C/S Screw
ACET068	70 (approx)	Self Tapping Flange Head Screw
ACET122	10	Machine Screw For ACGSL1171
ACET390	8	Screw To Secure ACGSL1125
ACGSL020	4 pairs	Interlock Guide
ACGSL032/33/34	8 x (W/4) - 45 x 8 x H - 131	Glazing Gasket
ACGSL040	2	GSL040 End Cap
ACGSL042/1042	3 x (W) + 4 x (H-31)	Outer Frame Woolpile
ACGSL042/1042	4 x (W-56) + 2 x (H-47)	Sash Woolpile
ACGSL061	2 x (H-103)	Gasket For GSL040
ACGSL084	32	Sash Assembly Screw
ACGSL1120	4	Fixed Sash Support Blocks
ACGSL1122	4	GSL022 End Caps
ACGSL1125	4	Rollers
ACGSL1132	4	Cover Caps
ACGSL1146	2 pairs	GSL1146 End Caps
ACGSL1150	2 pairs	Bracket To Secure Fixed Sash
ACGSL1151	8	Location Block For Fixed Sash
ACGSL1152	2	Anti-lift Block
ACGSL1170	24	Fixings For ACGSL1174
ACGSL1171	10	Fixings For Keep in GSL040
ACGSL1174	1	Multi-Point Lock
ACGSL1330/5	2 pairs	End Cap For GSL1330/GSL1335
ACSL180/1	1 pair	Handles
ACMX01615	1	35/35 Cylinder
ACSG071	24	Screw For ACGSL1170/1174
PUA028	8	Screw For Outer Frame Assembly
ACVG48	2	Buffer

Optional:

ACSL182/3	1 Pair	Dummy Handles
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[illegible]

Do Not Scale From This Drawing