

Main Index

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Updates

DATE	PAGE	DESCRIPTION
18/01/22	All Sections	<p>Profiles;</p> <ul style="list-style-type: none"> • ETC479 Superseded by ETC479N • W20135N Renamed to W20135 • W20168 Superseded by W20168N • W20170 Superseded by W20170N • W20171 Superseded by W20171N • W20331 Removed • W20333 Removed • W20346 Added <p>Accessories;</p> <ul style="list-style-type: none"> • ACET179 Superseded by ACET179N • ACET479 Superseded by ACET479N • ACSIL014 Image Updated • ACW20331 Superseded by ACW20335 • ACW20333 Removed • ACW20346 Added • ACW20391 Added • ACW20392 Added • ACW306 Added

Specification

GENERAL DESCRIPTION

The "Alitherm Heritage HD" window system described in this manual is designed to offer a modern aluminium thermally broken replacement to steel windows. Taking inspiration from traditional steel windows, Alitherm Heritage HD features signature slim sightlines and attractive aesthetic contours coupled with polyamide thermal break technology giving Alitherm Heritage HD enhanced thermal performance and narrow sightlines.

Alitherm Heritage HD is designed to be built as a series of horizontal or vertical modules which can be stacked using horizontal couplers to form a multi-part window featuring a specially design drip bar between modules.

Applications:

Windows:

- Fixed windows
- Side hung open out casements
- Top hung open out casements

Corner assembly of Alitherm Heritage HD is crimping only.

PROFILE SPECIFICATION

The window frame 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.

Specification

GENERAL MANUFACTURING

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

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

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

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

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

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

Specification

WINDOW DRAINAGE

As with all dry glazed systems, it is recommended that the window system is adequately drained and ventilated. Refer to drainage details in 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

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

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

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

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

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

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

Specification

GLAZING

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

EXTERNALLY BEADED GLAZING

Glazing beads are fitted to openings by cutting the horizontal beads square to head and cill of each vent and fixed light area. Vertical beads are cut at 45° or 90° both ends. When using glazing beads W20362, W20365 and W20366 slide retained ACET845 gasket into section and ensure it is not stretched. Insert bottom beads and two setting blocks to ensure glass will be centralized in vertical dimension of opening (glazing blocks must be full width of cavity to fully support glass or sealed unit), then insert top bead followed by side beads. Finish glazing by insertion of internal gaskets all round. We advise to seal all beads with silicon in high exposed areas.

INTERNALLY BEADED GLAZING

Glazing beads are fitted to openings by cutting the horizontal beads square to head and cill of each vent and fixed light area. Vertical beads are cut square at both ends. Insert bottom beads and two setting blocks to ensure glass will be centralized in vertical dimension of opening (glazing blocks must be full width of cavity to fully support glass or sealed unit), then insert top bead followed by side beads. Finish glazing by insertion of internal gaskets all round except in the case of 28mm glazing where glazing tape is used in conjunction with vent profile W20320 & W20325. We advise to seal all beads with silicon in high exposed areas.

Specification

Kitemark™ Certificate No. KM 81580

WINDOW DESIGN LIMITATIONS & PERFORMANCE CHARACTERISTICS

Window Type	Width (mm) Maximum	Height (mm) Maximum	Weight (kg) Maximum	Area (M ²) Maximum	Friction Stays (up to and including)	Transom/Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Water tightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1:2009
Sash dimensions for windows with approved sash profiles:										
Projecting top hung Internally beaded	1750	1400	40	-	24"	-	4	7A	AE2400	2000+
Projecting top hung Externally beaded	1750	1400	40	-	24"	-	4	5A	AE2400	2000+
Projecting side hung Internally beaded	600	1750	28	-	16"	-	4	7A	AE2400	2000+
Projecting side hung Externally beaded	600	1750	28	-	16"	-	4	5A	AE2400	2000+
Overall dimensions for windows with approved outer frame profiles:										
Fixed Internally Beaded	2100	2100	-	4.2	-	-	4	7A	AE2400	2000+
Fixed Externally Beaded	2100	2100	-	4.2	-	-	4	5A	AE2400	2000+
Overall dimensions for approved outer frames & transom/mullion profiles:										
Multilights* W20035 T/M Internally Beaded	2100	2100	-	2.5	-	1450	4	7A	AE2400	2000+
Multilights* W20035 T/M Externally Beaded	2100	2100	-	2.5	-	1450	4	5A	AE2400	2000+

*Transom/mullion subject to
lxx/lyy requirements

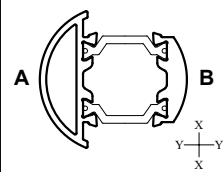
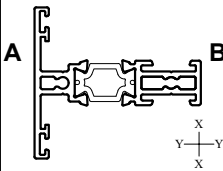
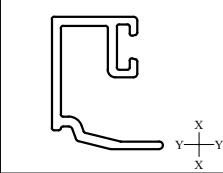
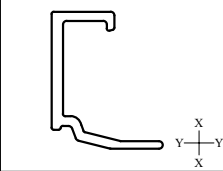
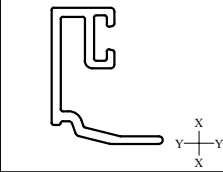
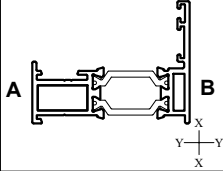
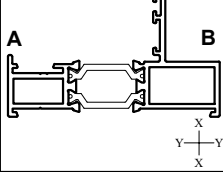
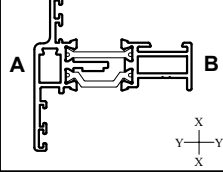
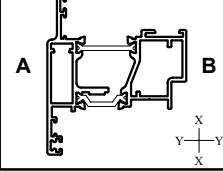
Please see pages B22 and B23 for more
guidance on vent sizes, limitations &
hardware selection.

⚠ Important! ⚠

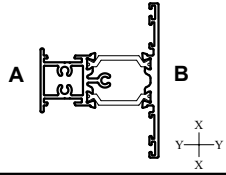
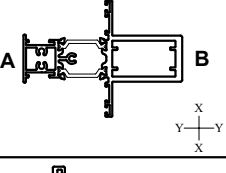
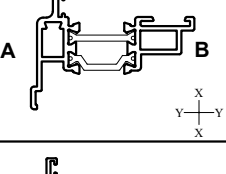
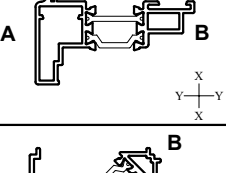
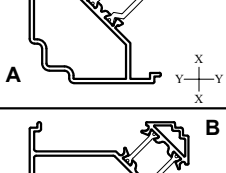
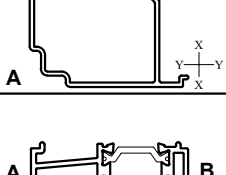
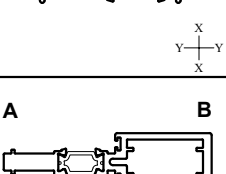
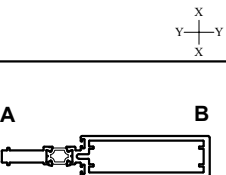
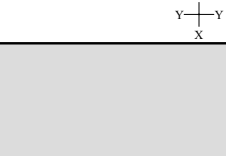
The size parameters shown against Kitemark are the maximum allowed without the need for further testing. Please note these are not necessarily the system parameters which may be smaller or larger. Please refer to fabrication parameters in this manual.

Specification

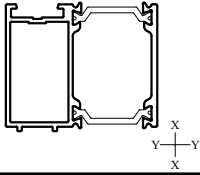
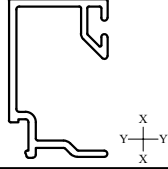
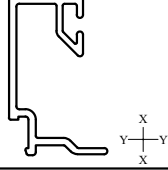
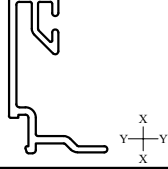
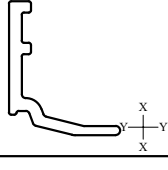
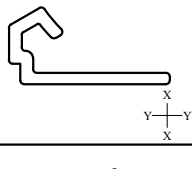
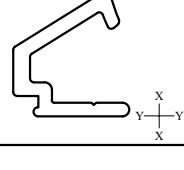
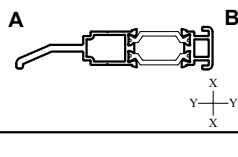
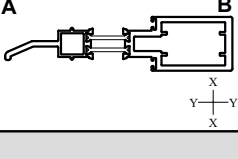
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W20168N		A24	104	27	- ----- -	- ----- -	5	1	✓	✓	✓	✓		
W20170N		A25	77	24	- ----- -	- ----- -	4	1	✓	✓	✓	✓		
W20171N		A25	99	34	- ----- -	- ----- -	4	1	✓	✓	✓	✓		
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W20317		A15	307	83	18.50 ----- 5.07	2.89 ----- 2.26	6.5	1	✓	✓	✓	✓	✓	
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W20325		A16	439	124	22.41 ----- 6.14	12 ----- 3.51	6.5	1	✓	✓	✓	✓	✓	
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

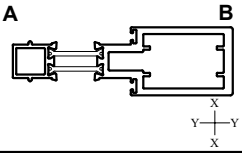
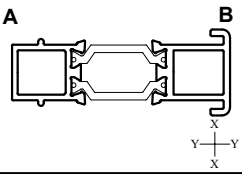
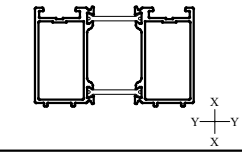
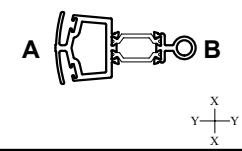
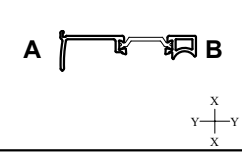
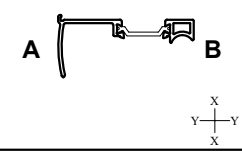
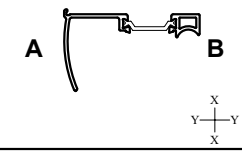
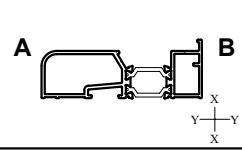
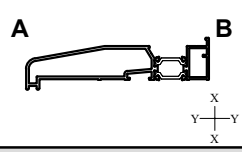
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W20332		A18	482	185	63.83 — 12.49	11.51 — 3.39	6.5	1	✓	✓	✓	✓	✓	
W20345		A19	281	62	8.30 — 2.57	2.21 — 0.99	6.5	1	✓	✓	✓	✓	✓	
W20346		A19	263	69	12.88 — 3.41	3.52 — 1.54	6.5	1	✓	✓	✓	✓	✓	
W20348		A21	281	114	14.09 — 5.14	14.09 — 5.16	6.5	1	✓	✓	✓	✓	✓	
W20349		A21	409	139	39.81 — 10.70	39.81 — 11.31	6.5	1	✓	✓	✓	✓	✓	
W20350		A28	204	36	7.88 — 2.97	0.67 — 0.74	6.5	1	✓	✓	✓	✓	✓	
W20351		A20	304	126	70.43 — 13.14	4.78 — 3.54	6.5	1	✓	✓	✓	✓	✓	
W20354		A20	384	212	184.38 — 25.75	22.41 — 6.12	6.5	1	✓	✓	✓	✓	✓	
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

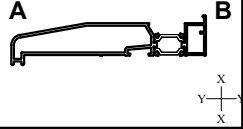
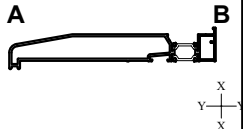
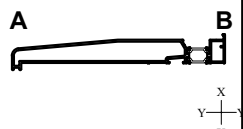
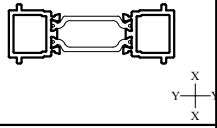
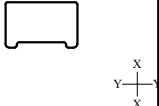
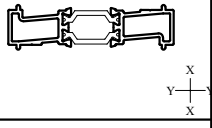
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W20356		A23	294	85.5	7.25 — 3.19	12.51 — 4.65	6.5	1	✓	✓	✓	✓	✓	
W20362		A24	141	36.5	- — -	- — -	6.5	1	✓	✓	✓	✓		
W20365		A25	133	32.5	- — -	- — -	6.5	1	✓	✓	✓	✓		
W20366		A26	125	28.5	- — -	- — -	6.5	1	✓	✓	✓	✓		
W20370		A26	63	15.5	- — -	- — -	6.5	1	✓	✓	✓	✓		
W20371		A20	70	19	- — -	- — -	6.5	1	✓	✓	✓	✓		
W20372		A20	79	26.5	- — -	- — -	6.5	1	✓	✓	✓	✓		
W20385		A28	259	101	24.65 — 5.24	0.76 — 0.87	6.5	1	✓	✓	✓	✓	✓	
W20386		A28	375	198	102.48 — 12.84	6.57 — 4.47	6.5	1	✓	✓	✓	✓	✓	
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

PROFILES : TECHNICAL INFORMATION

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M	
W20387		A29	312	135	54.56 --- 9.15	6.47 --- 4.31	6.5	1	✓	✓	✓	✓	✓	
W20389		A29	209	47	10.28 --- 3.26	0.92 --- 0.81	6.5	1	✓	✓	✓	✓	✓	
DV515		A23	356	85	27.16 --- 7.76	14.38 --- 6.75	6.5	1	✓	✓	✓	✓	✓	
ETC080		A22	334	61	25.58 ----- 5.47	4.88 ----- 2.57	6.5	1	✓	✓	✓	✓	✓	
ETC081		A22	197	35	13.85 ----- 3.8	0.36 ----- 0.52	6.5	1	✓	✓	✓	✓	✓	
ETC082		A22	221	47	16.21 ----- 4.19	1.15 ----- 1.29	6.5	1	✓	✓	✓	✓	✓	
ETC083		A22	248	58	17.66 ----- 4.32	2.64 ----- 2.36	6.5	1	✓	✓	✓	✓	✓	
ETC451		A30	271	180	32.44 ----- 7.29	3.46 ----- 2.79	6.5	1	✓	✓	✓	✓	✓	
ETC452		A30	414	382	122.46 ----- 18.03	6.01 ----- 3.34	6.5	1	✓	✓	✓	✓	✓	
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

PROFILES : TECHNICAL INFORMATION

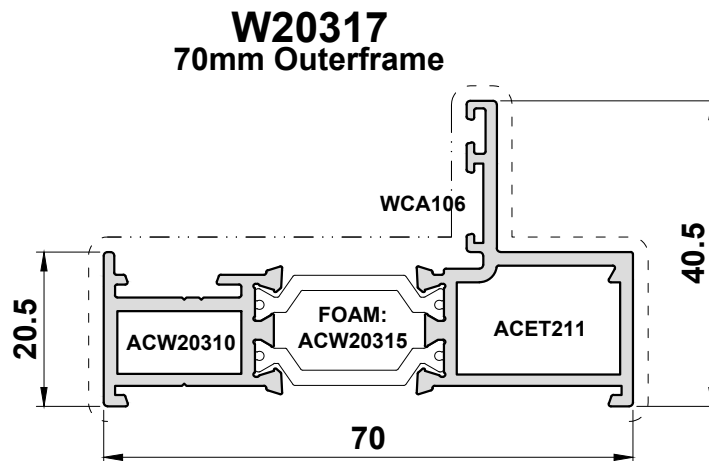
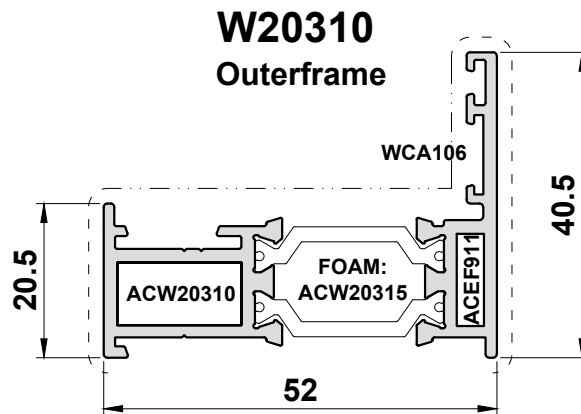
Number	Picture	Page	Perim. mm	Mec. mm	Ix(cm4) wx(cm3)	Iy(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M	
ETC457		A30	444	412	163.27 ----- 21.60	6.79 ----- 3.73	6.5	1	✓	✓	✓	✓	✓	
ETC458		A31	524	492	313.62 ----- 32.63	8.87 ----- 4.79	6.5	1	✓	✓	✓	✓	✓	
ETC479N		A31	594	559	501.64 ----- 44.04	9.72 ----- 5.34	6.5	1	✓	✓	✓	✓	✓	
ETC853		A29	219	54	23.28 ----- 6.65	1.94 ----- 1.43	6.5	1	✓	✓	✓	✓	✓	
SPD750		A20	31	31	- ----- -	- ----- -	4	1	✓	✓				
UN3000		A28	200	43.5	15.8 ----- 4.51	0.79 ----- 0.84	6.5	1	✓	✓	✓	✓	✓	
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

PROFILES : TECHNICAL INFORMATION

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
									A = Outside B = Inside	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

Primary Visible Side

Secondary Visible Side

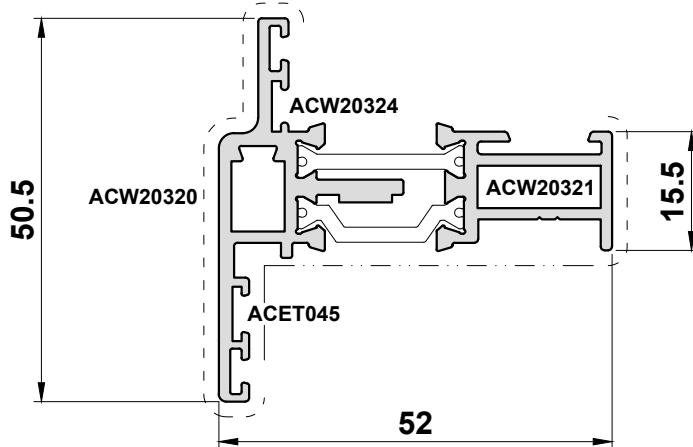


Scale 1:1

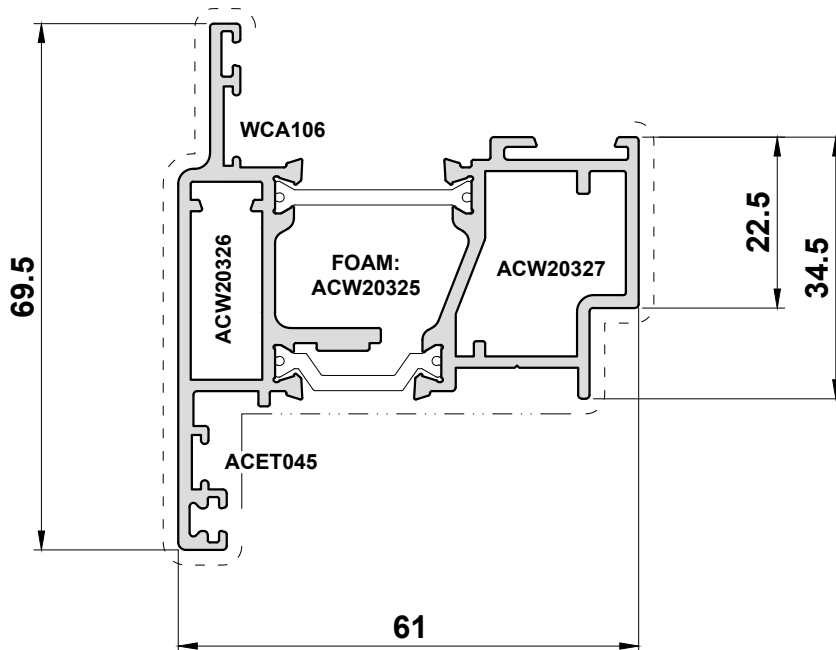
Primary Visible Side

Secondary Visible Side

W20320
Vent



W20325
Deep Vent

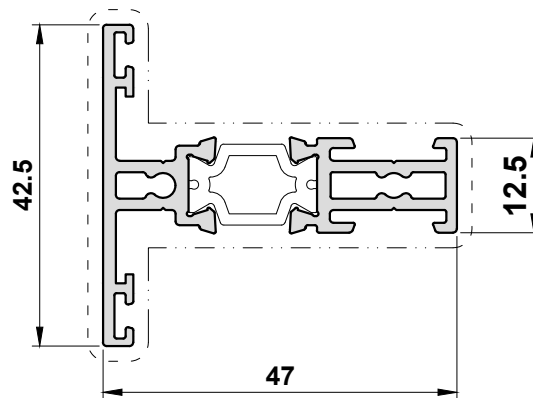


Scale 1:1

Primary Visible Side

Secondary Visible Side

W20135 Dummy Transom

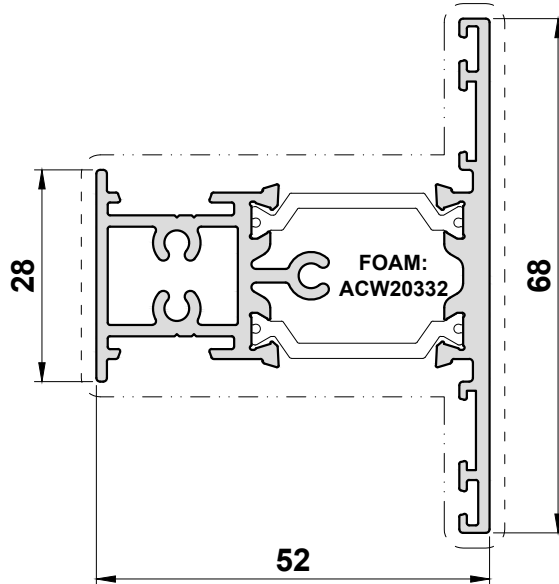


Scale 1:1

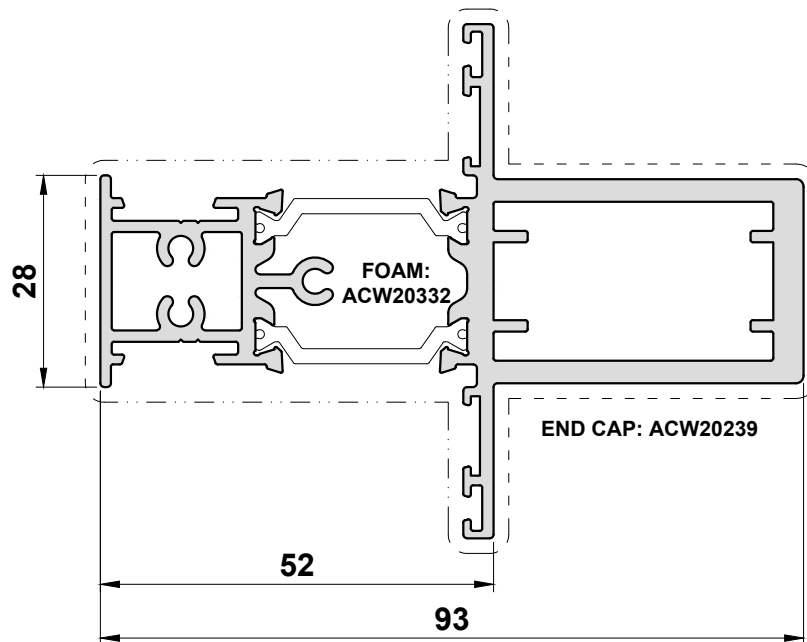
Primary Visible Side

Secondary Visible Side

W20330 Transom / Mullion



W20332 Reinforced Transom / Mullion

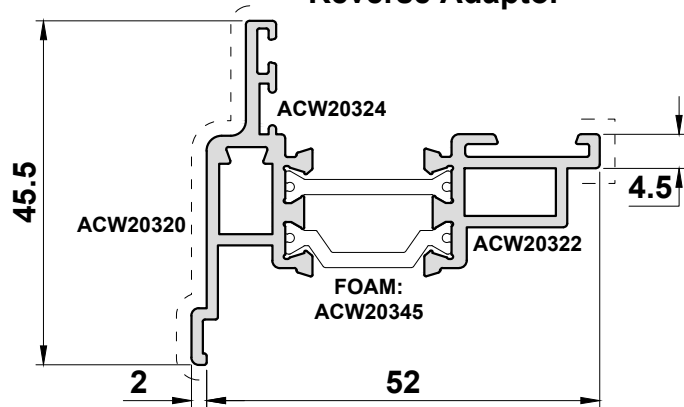


Scale 1:1

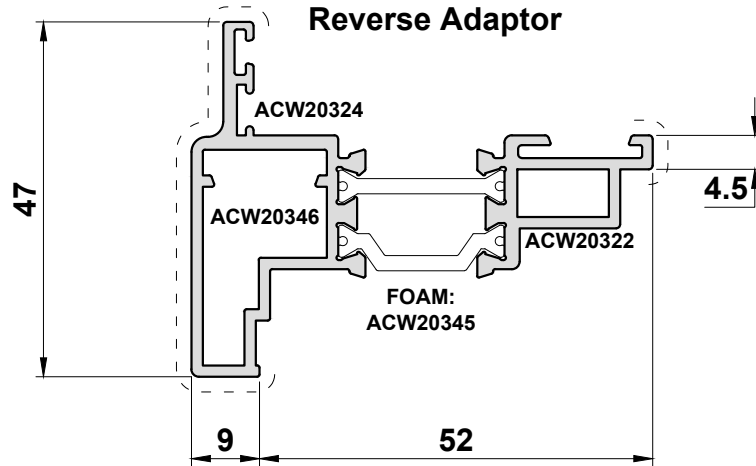
Primary Visible Side

Secondary Visible Side

W20345
Reverse Adaptor



W20346
Reverse Adaptor

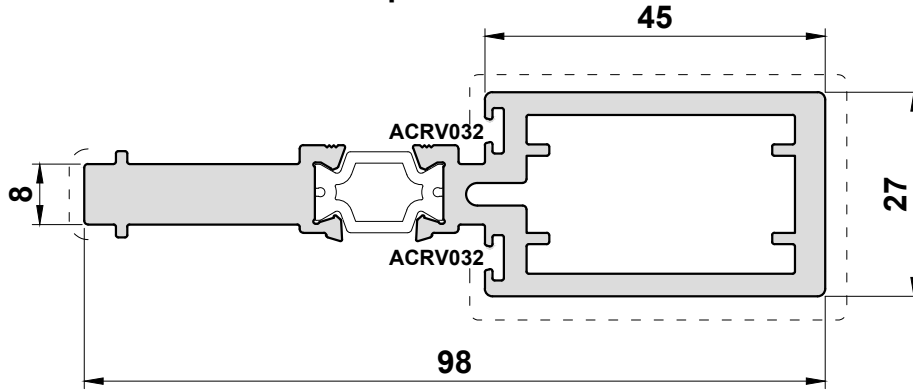


Scale 1:1

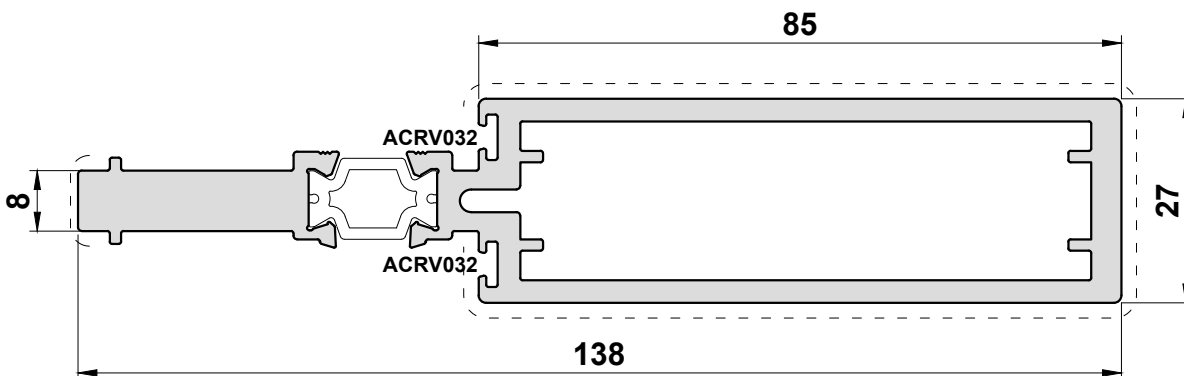
Primary Visible Side

Secondary Visible Side

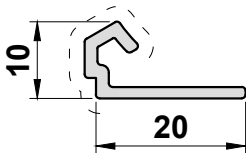
W20351
Coupler / Mullion



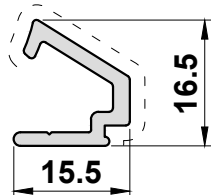
W20354
Coupler / Mullion



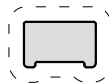
W20371
Bay Pole Adaptor



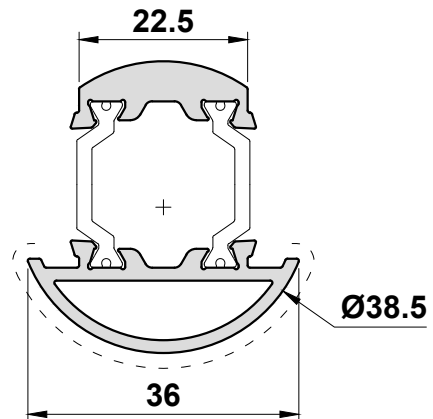
W20372
Bay Pole Adaptor



SPD750
Cill Infill



W20069
W20310 Bay Pole



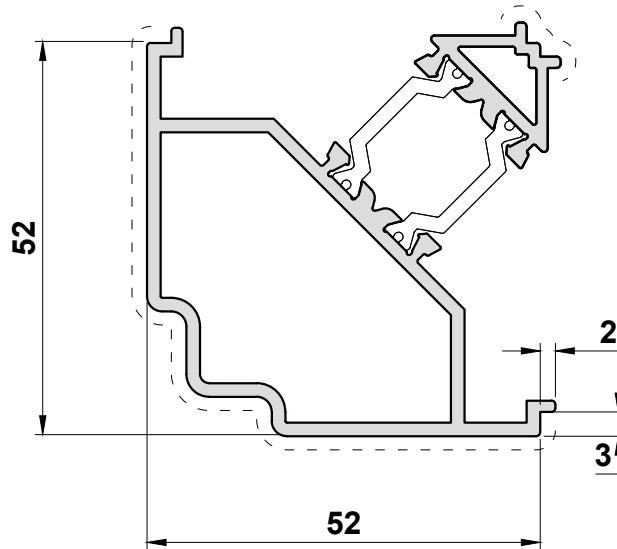
Scale 1:1

Primary Visible Side

Secondary Visible Side

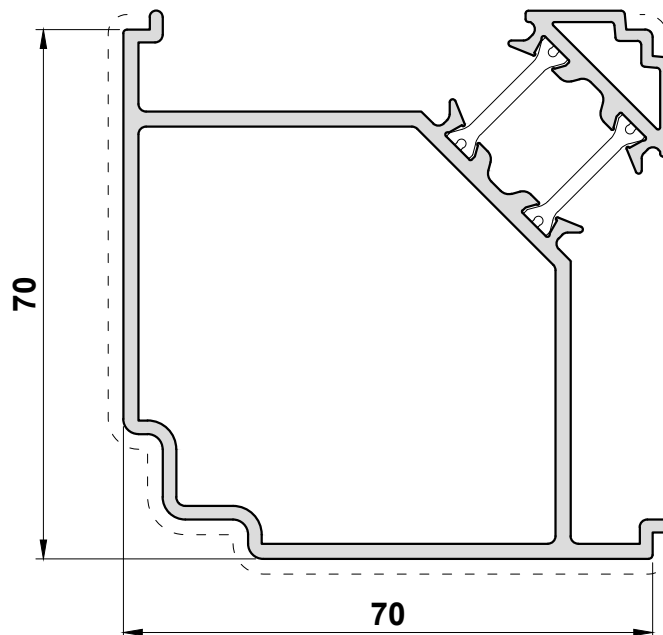
W20348

52mm 90° Corner Post



W20349

70mm 90° Corner Post

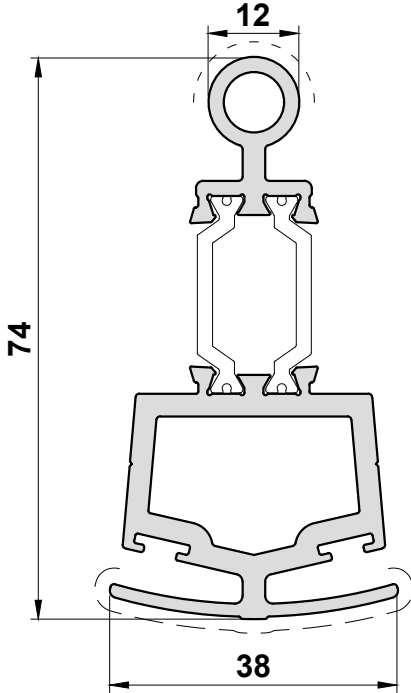


Scale 1:1

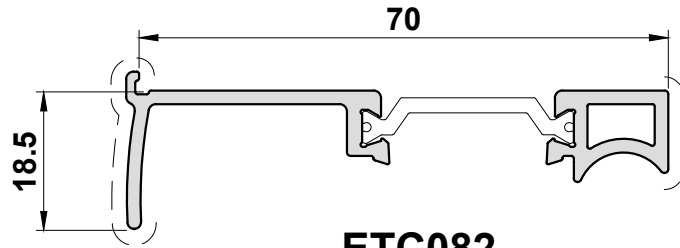
Primary Visible Side

Secondary Visible Side

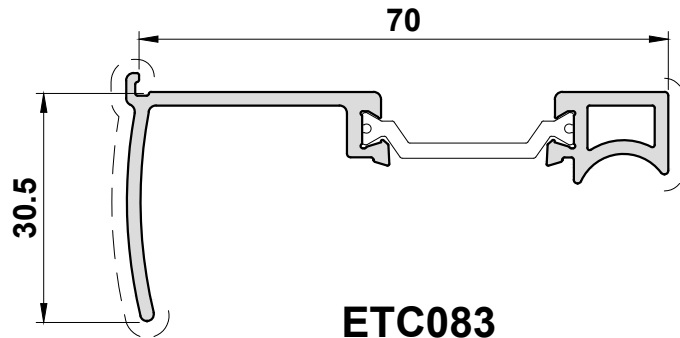
ETC080
Bay Pole



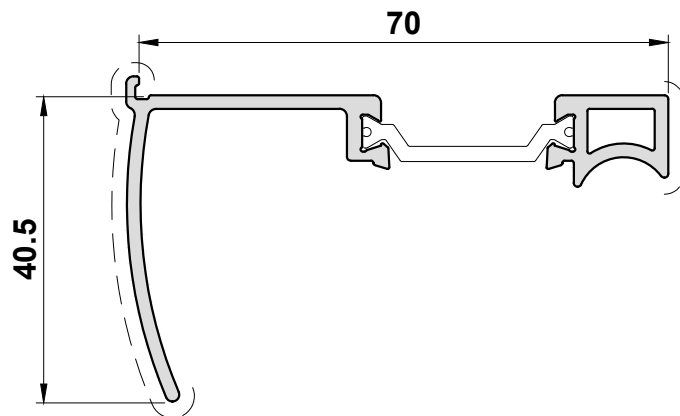
ETC081
169° - 150°
Bay Pole Adaptor



ETC082
149° - 130°
Bay Pole Adaptor



ETC083
129° - 115°
Bay Pole Adaptor



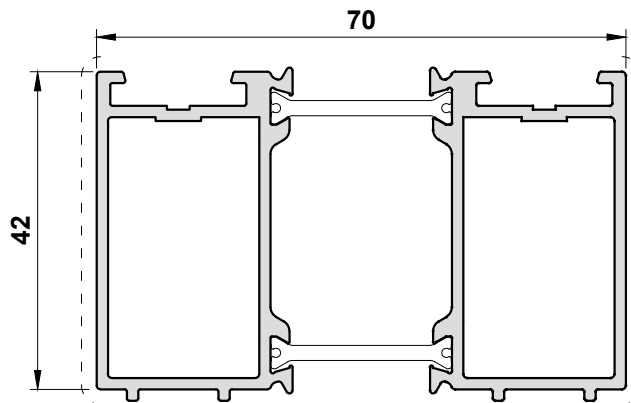
Scale 1:1

Primary Visible Side

Secondary Visible Side

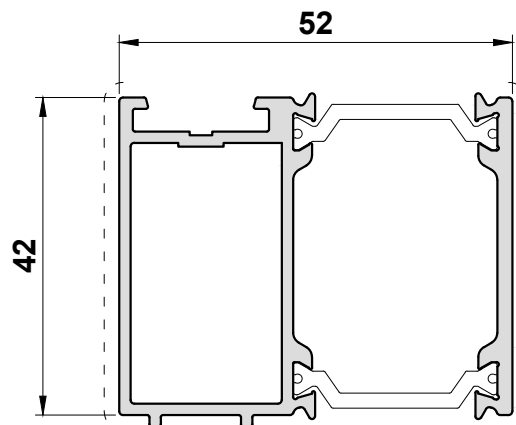
DV515

70 x 42mm Head Extension



W20356

52 x 42mm Head Extension

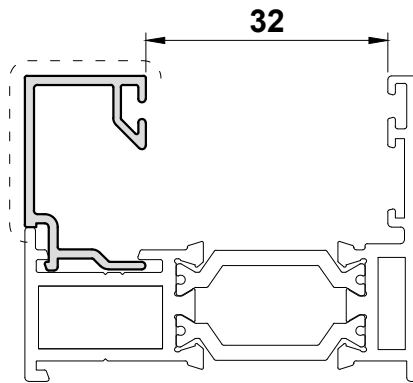


Scale 1:1

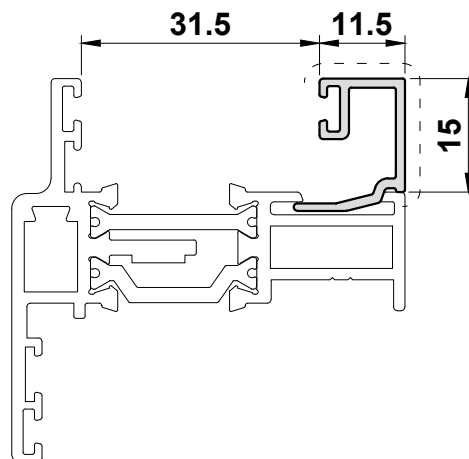
Primary Visible Side

Secondary Visible Side

W20362
24mm Square Bead



W20168N
24mm Squared Bead



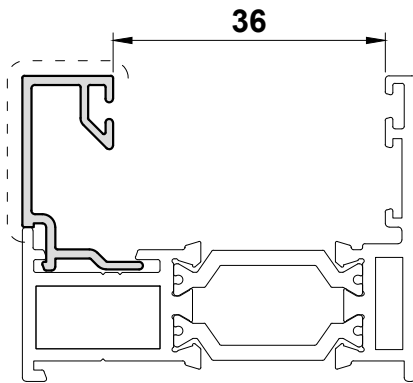
Scale 1:1

Primary Visible Side

Secondary Visible Side

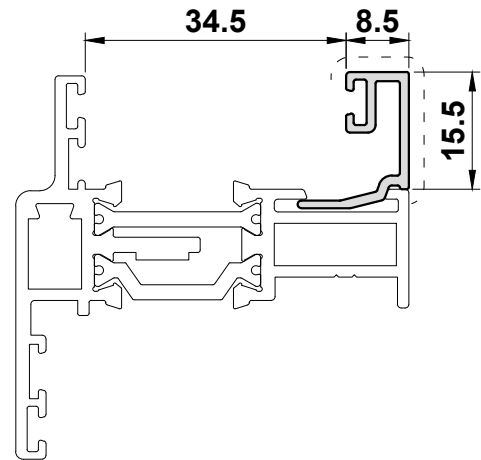
W20365

28mm Square Bead



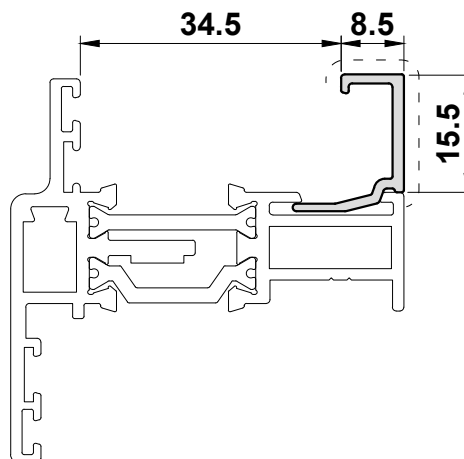
W20171N

28mm Squared Bead



W20170N

28mm Squared Bead
(Direct Handle Fixing)

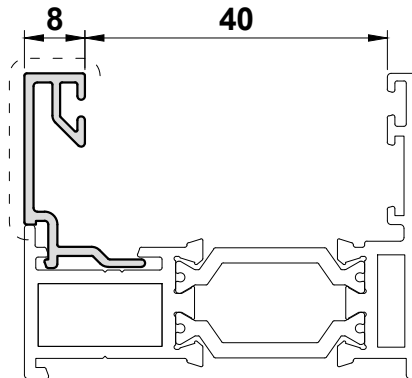


Scale 1:1

Primary Visible Side

Secondary Visible Side

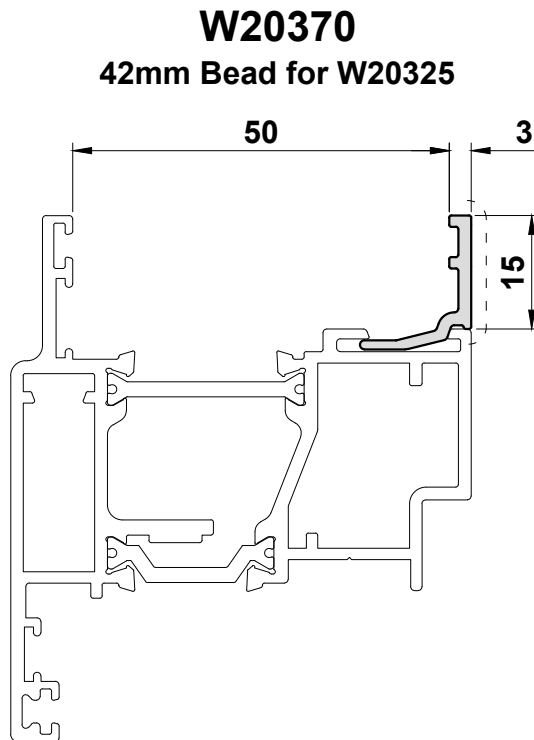
W20366 32mm Square Bead



Scale 1:1

Primary Visible Side

Secondary Visible Side



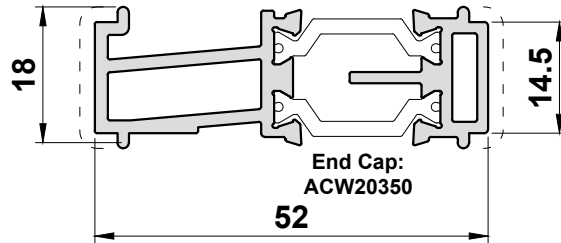
Scale 1:1

Primary Visible Side

Secondary Visible Side

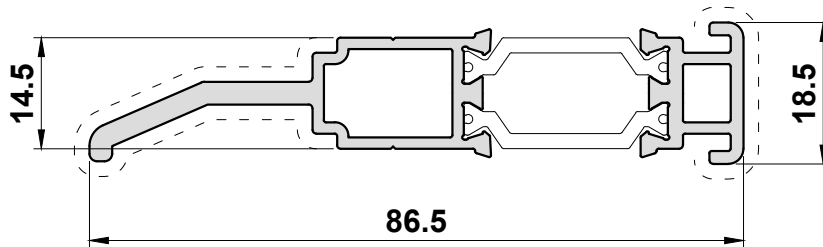
W20350

Horizontal Coupler



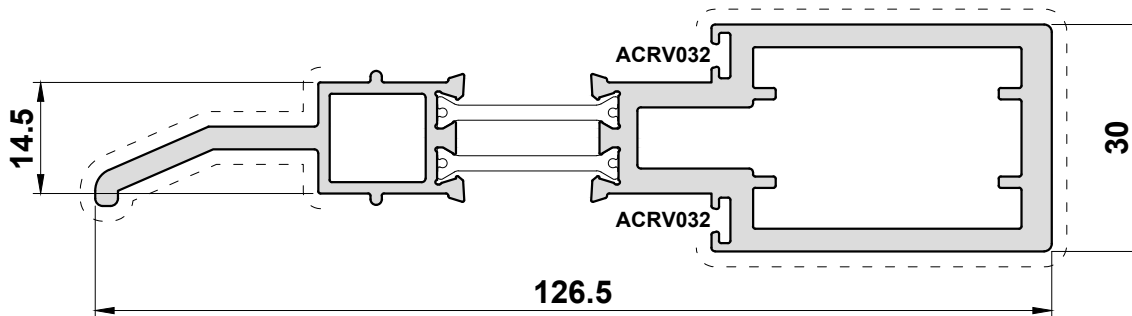
W20385

Horizontal Coupler with Drip Bar



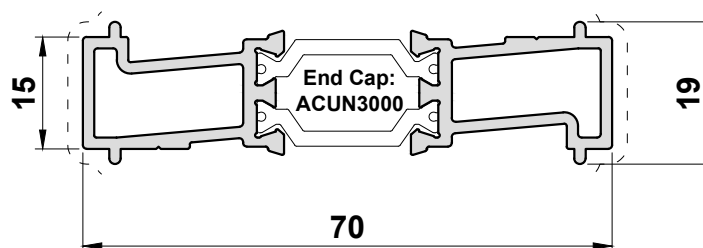
W20386

45mm Box Horizontal Coupler with Drip Bar



UN3000

Horizontal Coupler

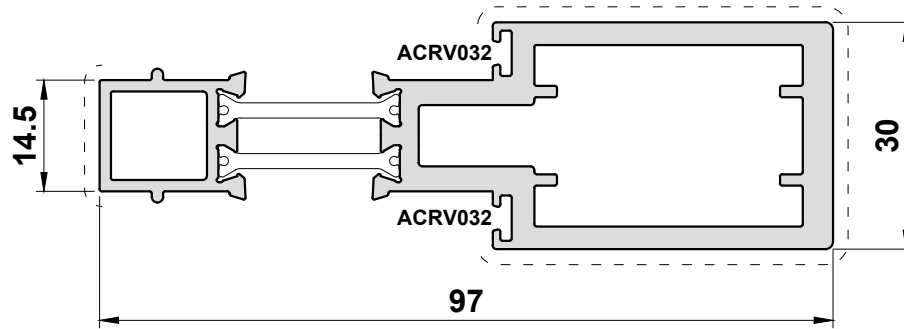


Scale 1:1

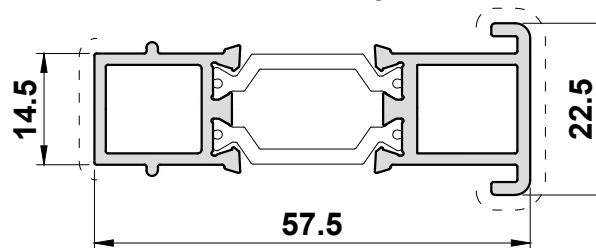
Primary Visible Side

Secondary Visible Side

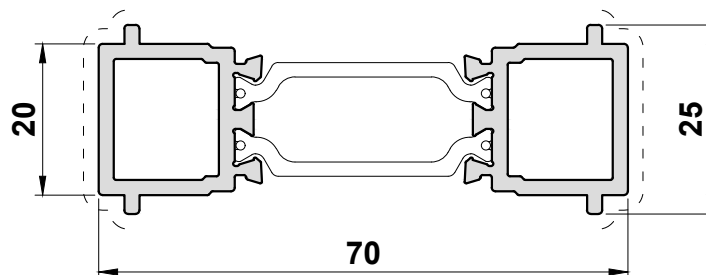
W20387 45mm Box Vertical Coupler



W20389 Vertical Coupler



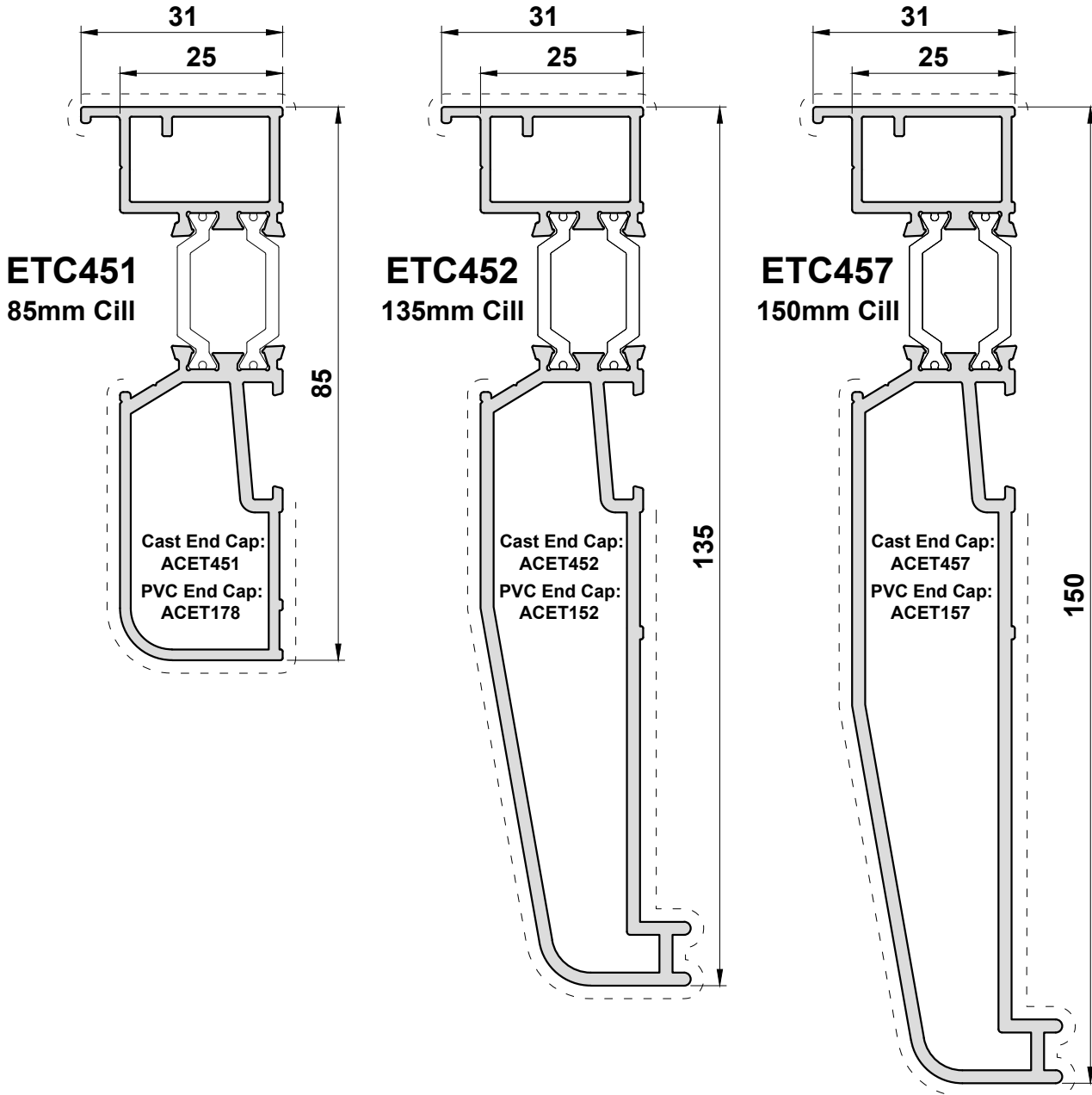
ETC853 Coupler



Scale 1:1

Primary Visible Side

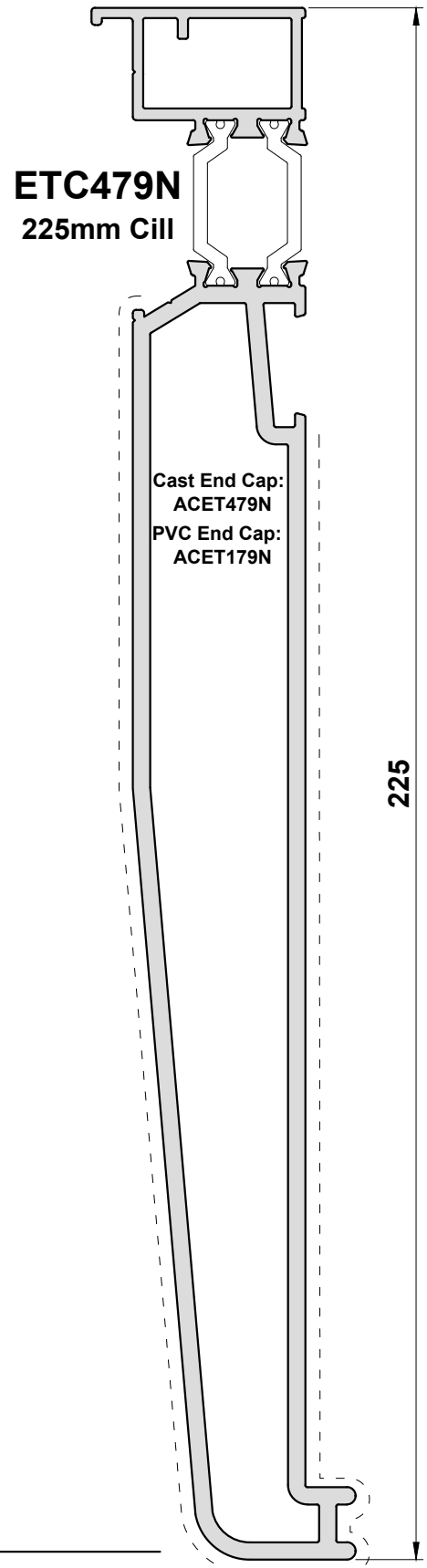
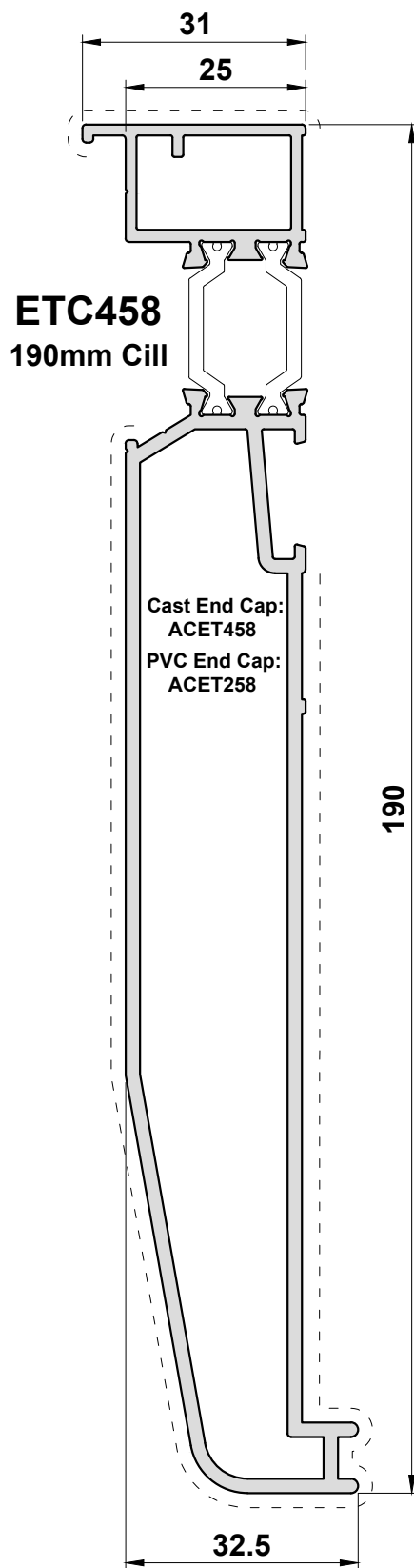
Secondary Visible Side



Scale 1:1

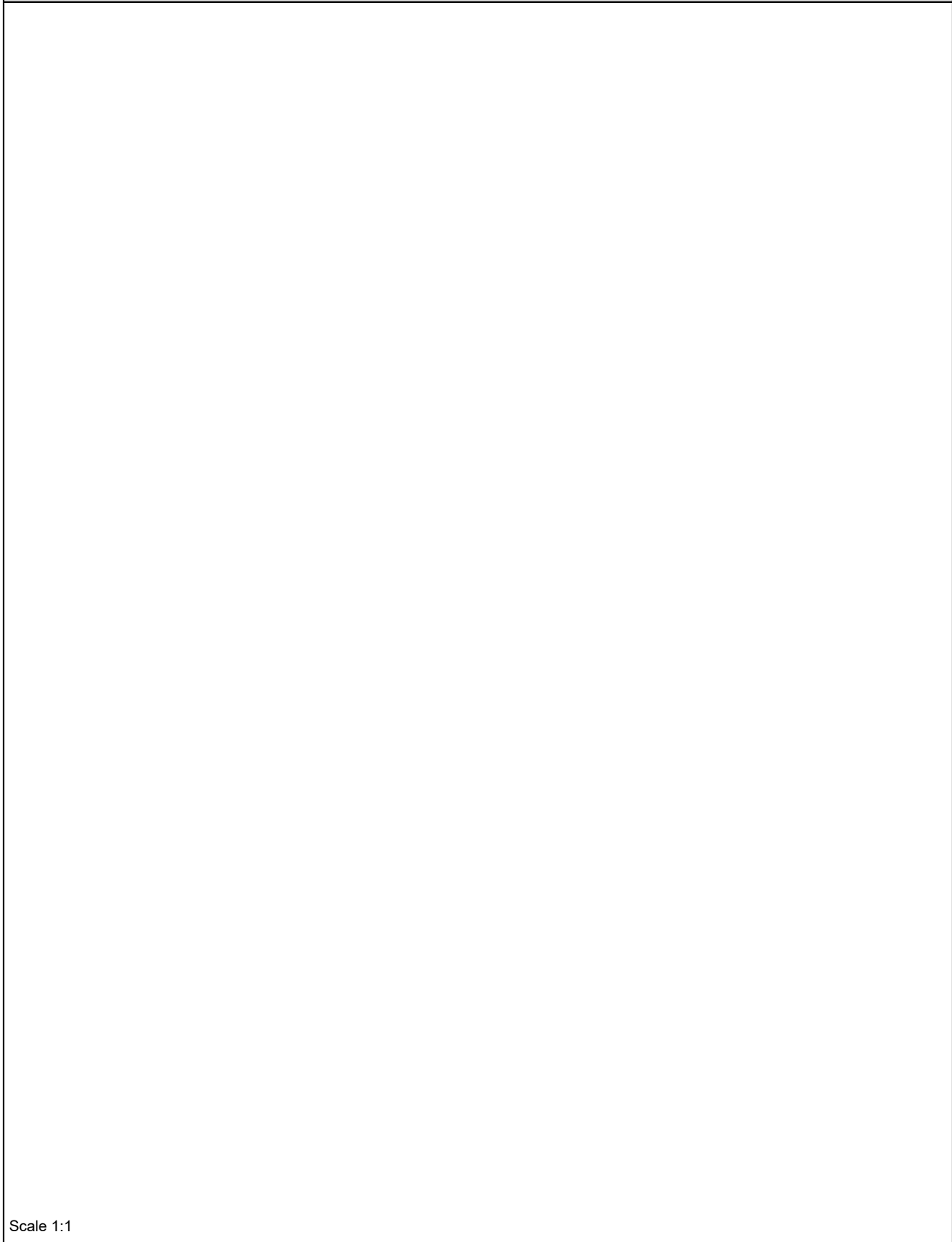
Primary Visible Side

Secondary Visible Side



PROFILE : SCALED PROFILE DRAWINGS

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

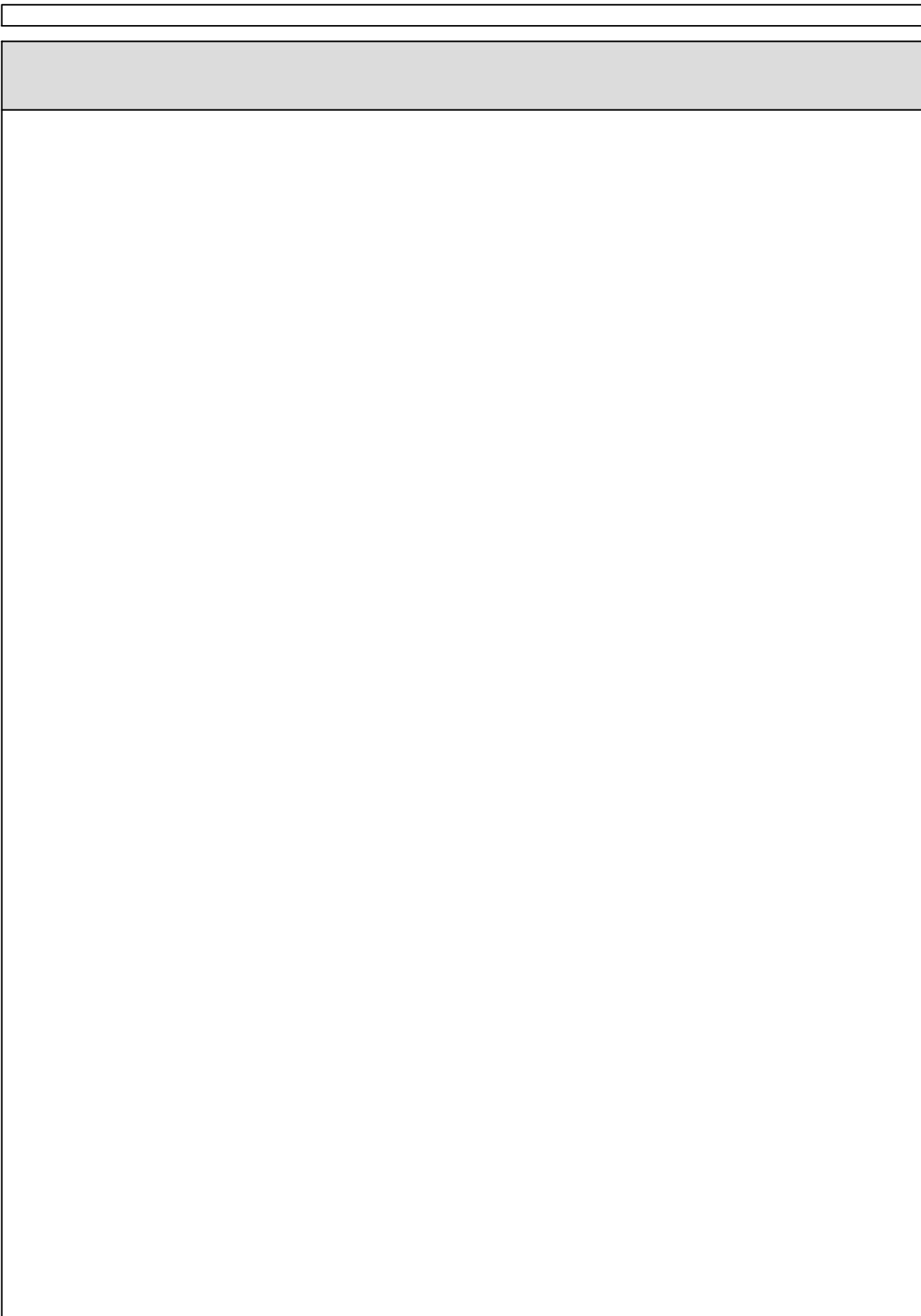


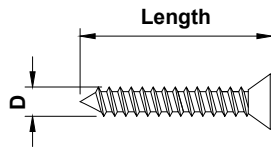
Scale 1:1

Section B

Accessories

Photos & Drawings





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

Part Number	Gauge	X	Length	Description	Box Qty.
ACUN3530	No.6	X	5/8"	Countersunk Pozi Self Tapper S/S	100
MUA025SSZ	No.6	X	1"	Countersunk Pozi Self Tapper S/S	100
ACET067	No.7	X	1/2"	Countersunk Pozi Self Tapper S/S	100
ACET060	No.7	X	1"	Countersunk Pozi Self Tapper S/S	100
ACET066	No.7	X	1 1/2"	Countersunk Pozi Self Tapper S/S	100
MUA067SSZ	No.7	X	2"	Countersunk Pozi Self Tapper S/S	100
ACPD815	No.7	X	3/4"	Countersunk Pozi Self Tapper S/S	100
ACET064	No.8	X	5/8"	Countersunk Pozi Self Tapper S/S	100
ACUN3512	No.8	X	1 1/4"	Countersunk Pozi Self Tapper S/S	100
ACUN3513	No.8	X	1 3/4"	Countersunk Pozi Self Tapper S/S	100
ACET072	No.8	X	2 1/2"	Countersunk Pozi Self Tapper S/S	100
ACET490	4.3mm	X	16mm	Countersunk PH2 Polyamide Screw	1000
ACET290	4.3mm	X	20mm	Countersunk PH2 Polyamide Screw	100
ACET390	4.3mm	X	25mm	Countersunk PH2 Polyamide Screw	200
ACET190	4.3mm	X	45mm	Countersunk PH2 Polyamide Screw	1000
ACVS062	4.3mm	X	65mm	Countersunk PH2 Polyamide Screw	1000
ACET048	No.10	X	3/8"	Countersunk Pozi Self Tapper S/S	100
ACIM062	No.10	X	1 1/4"	Countersunk Pozi Self Tapper S/S	100
ACET062	No.10	X	2"	Countersunk Pozi Self Tapper S/S	100
ACET076	No.10	X	2 1/2"	Countersunk Pozi Self Tapper S/S	100



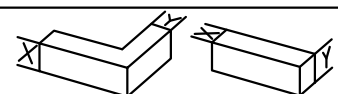
T-BARS
ACVG65=2.5mm
ACVG66=3.0mm
ACVL150=4.0mm



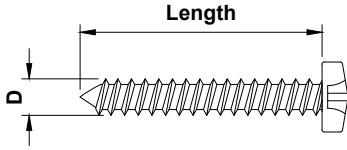
Screw (Grub)

MF = Mill Finish
SA = Silver Anodised
KL = Basic Colour
HP = Special Colour
SSC = Smooth Satin Chrome
SMC = Smokey Chrome
PC = Polished Chrome

W = White
Z = Black



ACCESSORIES : PHOTOS & DRAWINGS



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

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



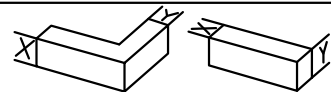
T-BARS
ACVG65=2.5mm
ACVG66=3.0mm
ACVL150=4.0mm

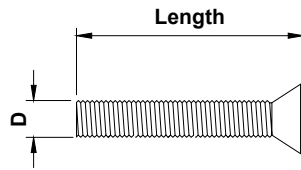


Screw (Grub)

MF = Mill Finish
SA = Silver Anodised
KL = Basic Colour
HP = Special Colour
SSC = Smooth Satin Chrome
SMC = Smokey Chrome
PC = Polished Chrome

W = White
Z = Black





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

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



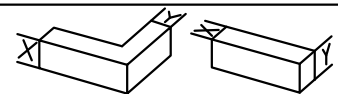
T-BARS
ACVG65=2.5mm
ACVG66=3.0mm
ACVL150=4.0mm



Screw (Grub)








MF = Mill Finish
SA = Silver Anodised
KL = Basic Colour
HP = Special Colour
SSC = Smooth Satin Chrome
SMC = Smokey Chrome
PC = Polished Chrome

W = White
Z = Black



Retaining Gasket

Commonly known as an E Gasket.
Retaining gaskets create a seal between the glass and the aluminium profile.











High Line	2mm		ACVG231
			200m
			BL
	3mm		ACVG31
			200m
			BL
4mm		ACVG131	
		100m	
		BL	
Low Line	2mm		ACET843
			200m
			BL
	3mm		ACET842
			200m
			BL
	4mm		ACET841
			200m
			BL
	4mm		ACET835
200m			
BL			

Thickness	Drawing 1:1	Part number
		Coil length
		Available Colours

**PLEASE SEE GLAZING
CHART IN SECTION E FOR
FURTHER INFORMATION**

Wedge Gasket

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

High Line	3mm		ACVG32
			100m
			BL
	3mm		ACVG32N
			100m
			BL
	4mm		ACVG33
			100m
			BL
	4mm		ACVG33N
			100m
			BL
	5mm		ACVG34
			100m
			BL
5mm		ACVG34N	
		100m	
		BL	
6mm		ACVG340	
		100m	
		BL	
6mm		ACVG340N	
		100m	
		BL	
Low Line	4mm - 3mm		ACW20038
			50m
			BL
	5mm		ACET840N
200m			
			BL



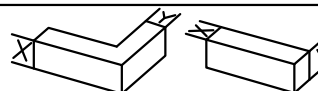
T-BARS
ACVG65=2.5mm
ACVG66=3.0mm
ACVL150=4.0mm



Screw (Grub)

MF = Mill Finish
SA = Silver Anodised
KL = Basic Colour
HP = Special Colour
SSC = Smooth Satin Chrome
SMC = Smokey Chrome
PC = Polished Chrome

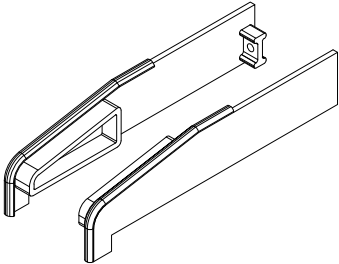
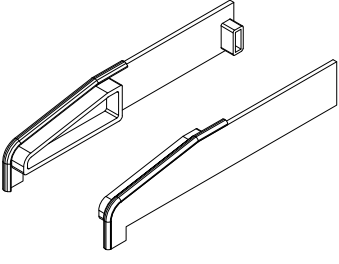

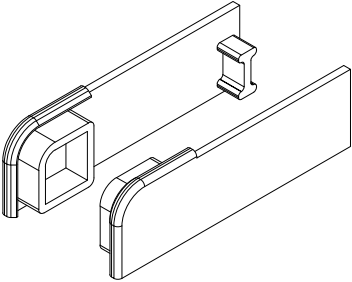
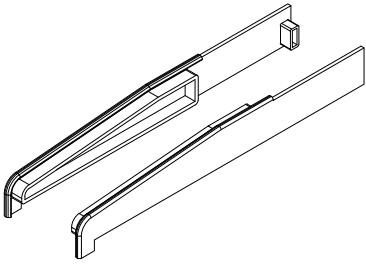


W = White
Z = Black



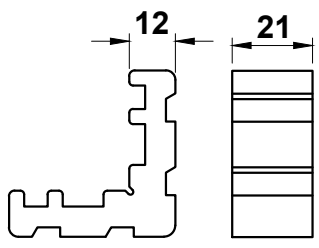
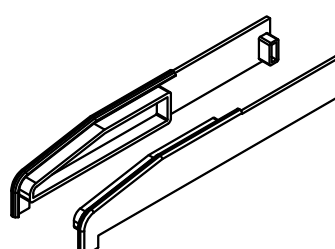
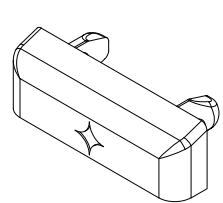
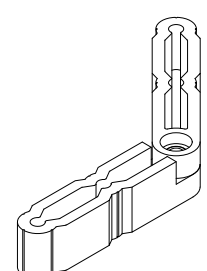
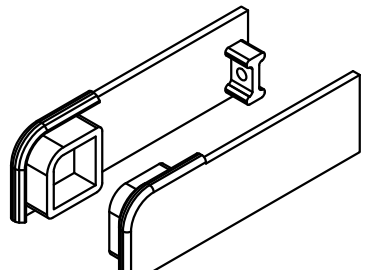
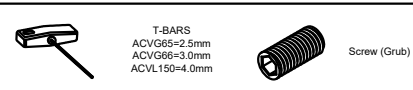
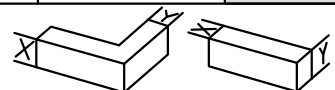
ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour																		
	ACEF911 Crimping Cleat	24	pack	W20310 W23011	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
MF	✓																						
SA																							
KL																							
HP																							
SSC																							
SMC																							
W																							
Z																							
PC																							
	ACET041 Cill Nose Bracket	1	each	ETC451 ETC452 ETC457 ETC458 ETC479N	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
MF	✓																						
SA																							
KL																							
HP																							
SSC																							
SMC																							
W																							
Z																							
PC																							
	ACET045 Stainless Steel Chevron	100	pack	W20320	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
MF	✓																						
SA																							
KL																							
HP																							
SSC																							
SMC																							
W																							
Z																							
PC																							
	ACET130 Fixing Strap	1	100	W20310 W20317	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
MF	✓																						
SA																							
KL																							
HP																							
SSC																							
SMC																							
W																							
Z																							
PC																							
	ACET131 Drainage Cap	100	pack	W20310 W20317	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
MF																							
SA																							
KL																							
HP																							
SSC																							
SMC																							
W	✓																						
Z	✓																						
PC																							
<p>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</p> <p>Screw (Grub)</p>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black																					

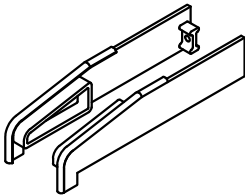
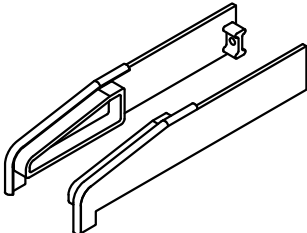
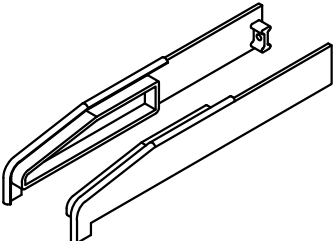
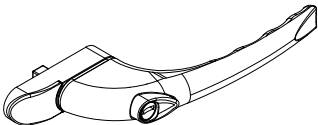
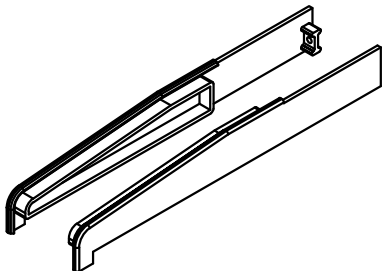


ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour	
	ACET152 PVC Cill End Caps	10	pair	ETC452	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
						ACET157 PVC Cill End Caps
SA						
KL						
HP						
SSC						
SMC						
W	✓					
Z	✓					
PC						
	ACET160R Flipper Gasket	100	m			
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
						ACET178 PVC Cill End Caps
SA						
KL						
HP						
SSC						
SMC						
W	✓					
Z	✓					
PC						
	ACET179N PVC Cill End Caps	10	pair	ETC479N		
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
					 <small>T-BARS ACVG66=2.5mm ACVG66=3.0mm ACVL150=4.0mm</small>	 <small>Screw (Grub)</small>

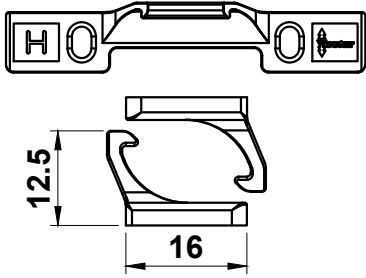
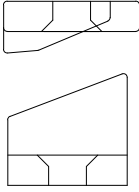
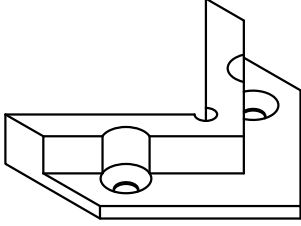
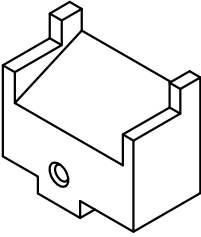
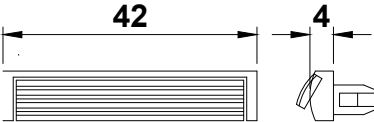


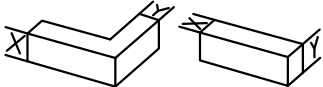
ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour	
	ACET211 Corner Cleat	24	pack	W20317	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACET258 PVC Cill End Cap	10	pair	ETC458	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACET431 Colour Match Drainage Cover Cap	8	pack		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	ACET440 90° - 180° Variable Angle Cill / Bracket	10	pack	ETC451 ETC452 ETC457 ETC458 ETC479N	MF	
					SA	✓
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACET451 Cast Cill End Caps	1	pair	ETC451	MF	✓
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
 <p>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</p> <p>Screw (Grub)</p>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black				

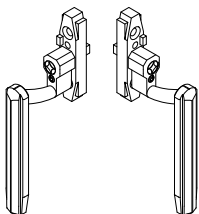
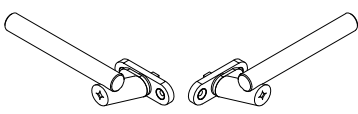
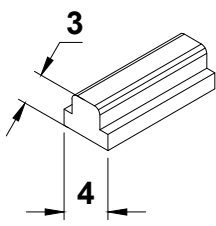
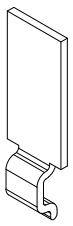
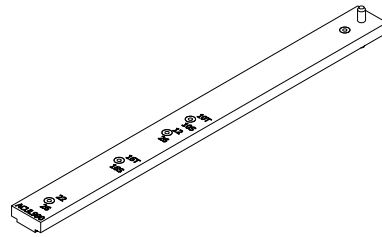

ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour	
	ACET452 Cast Cill End Caps	1	Pair	ETC452	MF	✓
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
						ACET457 Cast Cill End Caps
SA						
KL	✓					
HP	✓					
SSC						
SMC						
W	✓					
Z	✓					
PC						
	ACET458 Cast Cill End Caps	1	Pair	ETC458		
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
						ACET460 Inline Espagnolette Handle 9mm Spindle
SA						
KL	✓					
HP	✓					
SSC	✓					
SMC	✓					
W	✓					
Z	✓					
PC	✓					
	ACET479N Cast Cill End Caps	1	Pair	ETC479N		
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
					 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)

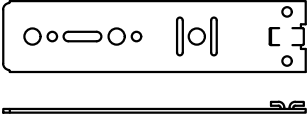
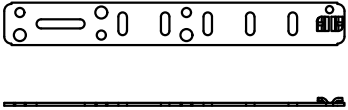
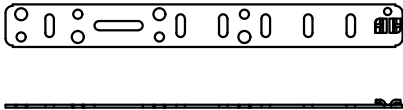
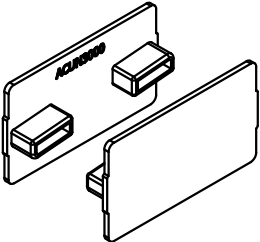
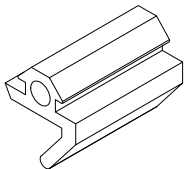

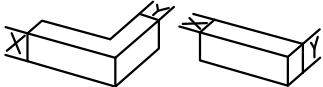
ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour	
	ACET516 16mm Cavity Hinge Protector 4 Per Set (2 pairs)	50	sets		MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACET652 Pull-In Blocks	50	pack		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	ACET975 Vee Block Packer	1	Each	W20320	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	ACET978 Punch Tool	1	Each	W20317	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACGSL045 Drainage Cap	100	pack		MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
 T-BARS ACVG66=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			

ACCESSORIES : PHOTOS & DRAWINGS





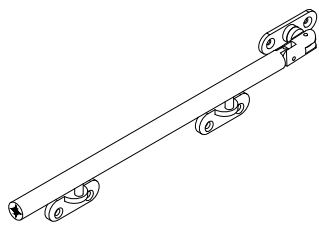


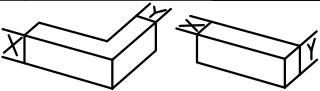
Image	Part Code	Pack	Unit	Application	Colour	
	ACSM002 L/R Art Deco Window Handles	1	each	ACW301 ACW302 ACW303 ACW304 ACW305 ACW306	MF	
					SA	
					KL	✓
					HP	✓
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	✓
						ACSM010 L/R Stainless Steel Casement Window Handle
SA						
KL						
HP						
SSC						
SMC						
W						
Z						
PC						
	ACRV032 Sealing Gasket for Coupler	50	m	W20351 W20354 W20386 W20387		
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
						ACUL025 Anti-Twist Clip
SA						
KL						
HP						
SSC						
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PC						
	ACUL990 Friction Hinge Drill Jig	1	Each			
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
					 <p>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</p> <p>Screw (Grub)</p>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome

ACCESSORIES : PHOTOS & DRAWINGS


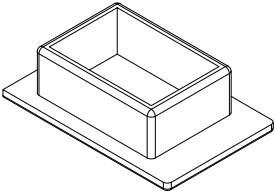
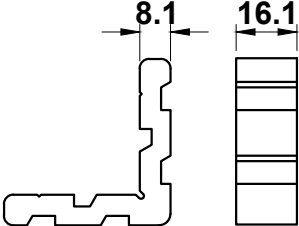
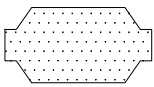
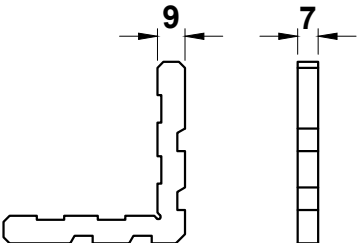


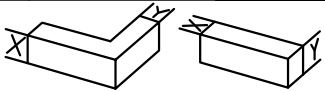
Image	Part Code	Pack	Unit	Application	Colour
	ACUN230 160mm Fixing Lug	100	pack	ETC451 ETC452 ETC457 ETC458 ETC479N	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
					PC <input type="checkbox"/>
	ACUN232 240mm Fixing Lug	100	pack	ETC451 ETC452 ETC457 ETC458 ETC479N	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
					PC <input type="checkbox"/>
	ACUN233 280mm Fixing Lug	100	pack	ETC451 ETC452 ETC457 ETC458 ETC479N	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
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					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
					PC <input type="checkbox"/>
	ACUN3000 End Cap for UN3000	10	Pairs	UN3000	MF <input type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
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PC <input type="checkbox"/>					
	ACVL032 EPDM Flipper Gasket	100	m		MF <input type="checkbox"/>
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					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input checked="" type="checkbox"/>
PC <input type="checkbox"/>					
 <p>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</p> <p>Screw (Grub)</p>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			

ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour																		
	ACW20024 Stainless Steel Chevron	100	pack	W20310	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z		PC	
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SA																							
KL																							
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SSC																							
SMC																							
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Z																							
PC																							
	ACW20100 L/R Monkey Tail Espag Handle Black or Pewter	1	each	ACW301 ACW302 ACW303 ACW304 ACW305 ACW306	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
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SSC																							
SMC																							
W	✓																						
Z	✓																						
PC																							
	ACW20101 L/R Bulb End Espag Handle Black or Pewter	1	each	ACW301 ACW302 ACW303 ACW304 ACW305 ACW306	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
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KL																							
HP																							
SSC																							
SMC																							
W	✓																						
Z	✓																						
PC																							
	ACW20102 8" Monkey Tail Peg Stay Black or Pewter	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
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SSC																							
SMC																							
W	✓																						
Z	✓																						
PC																							
	ACW20103 10" Monkey Tail Peg Stay Black or Pewter	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
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W	✓																						
Z	✓																						
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<p>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</p> <p>Screw (Grub)</p>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black																					

Image	Part Code	Pack	Unit	Application	Colour																		
	ACW20104 12" Monkey Tail Peg Stay Black or Pewter	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
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SSC																							
SMC																							
W	✓																						
Z	✓																						
PC																							
	ACW20105 8" Bulb End Peg Stay Black or Pewter	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
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HP																							
SSC																							
SMC																							
W	✓																						
Z	✓																						
PC																							
	ACW20106 10" Bulb End Peg Stay Black or Pewter	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
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SMC																							
W	✓																						
Z	✓																						
PC																							
	ACW20107 12" Bulb End Peg Stay Black or Pewter	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
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SSC																							
SMC																							
W	✓																						
Z	✓																						
PC																							
	ACW20108 Stainless Steel Peg Stay	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z		PC	
MF																							
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ACCESSORIES : PHOTOS & DRAWINGS

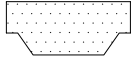
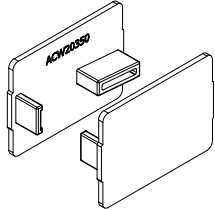
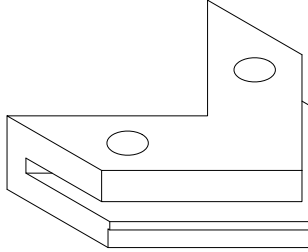



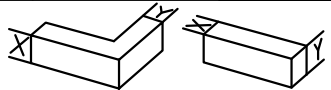
Image	Part Code	Pack	Unit	Application	Colour																		
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MF																							
SA																							
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HP																							
SSC																							
SMC																							
W																							
Z																							
PC																							
	ACW20239 End Cap for W20332	20	pack	W20332	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
MF																							
SA																							
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SSC																							
SMC																							
W	✓																						
Z	✓																						
PC																							
	ACW20310 Crimping Cleat	24	pack	W20310 W23017	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
MF	✓																						
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HP																							
SSC																							
SMC																							
W																							
Z																							
PC																							
	ACW20315 Infill Foam for W20310 & W20317	1	each	W20310 W20317	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z	✓	PC	
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SA																							
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HP																							
SSC																							
SMC																							
W																							
Z	✓																						
PC																							
	ACW20320 Extended Sash Cleat	1	each	W20320 W23045	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
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ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour
	ACW20321 Extended Sash Cleat	24	pack	W20320	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
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					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
	ACW20322 Crimping Cleat	24	pack	W20345	MF <input checked="" type="checkbox"/>
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					KL <input type="checkbox"/>
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					Z <input type="checkbox"/>
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	ACW20324 Stainless Steel Chevron	100	pack	W20320 W20345	MF <input type="checkbox"/>
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					KL <input type="checkbox"/>
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					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
	ACW20325 Infill Foam for W20325	1	each	W20325	MF <input type="checkbox"/>
					SA <input type="checkbox"/>
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					HP <input type="checkbox"/>
					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
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					Z <input checked="" type="checkbox"/>
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					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
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Image	Part Code	Pack	Unit	Application	Colour																		
	ACW20327 Crimping Cleat	24	pack	W20325	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
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SA																							
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HP																							
SSC																							
SMC																							
W																							
Z																							
PC																							
	ACW20330 End Packer for W20330	50	Pack	W20330 W20332	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z	✓	PC	
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SMC																							
W																							
Z	✓																						
PC																							
	ACW20332 Infill Foam for W20330 & W20332	1	each	W20330 W20332	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z	✓	PC	
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	ACW20335 Cruciform Bracket	10	Pack	W20330 W20332	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
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	ACW20344 W20345 Fixing Kit	10	Pack	W20345	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
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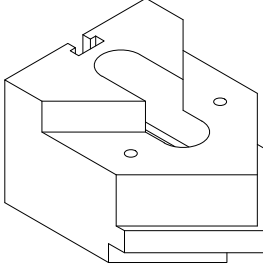
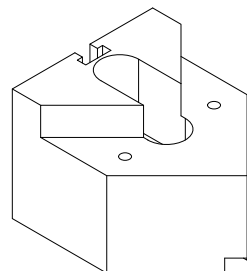
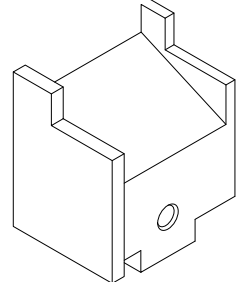
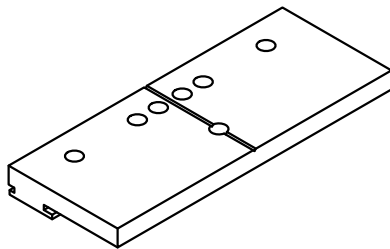


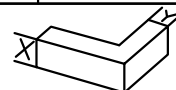
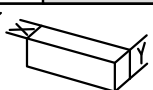
ACCESSORIES : PHOTOS & DRAWINGS

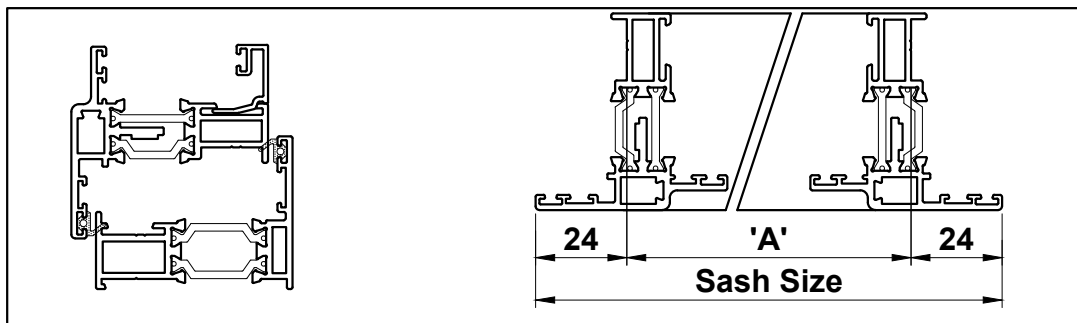
Image	Part Code	Pack	Unit	Application	Colour																		
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	ACW20346 Crimping Cleat	1	each	W20346	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
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	ACW20350 End Cap for W20350	10	Pairs	W20350	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W	✓	Z	✓	PC	
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	ACW20390 Vee Block Packer	1	Each	W20310 W20317	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z	✓	PC	
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ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour																		
	ACW20392 Vee Block Packer	1	Each	W20346	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z	✓	PC	
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	ACW20393 Vee Block Packer	1	Each	W20325	<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z	✓	PC	
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ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour																		
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	ACW906 Vee Block	1	Each	W20320 W20325 W20345 W20346	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
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	ACW20399 Punch Tool	1	Each	W20325	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
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	ACW936 Drilling Jig	1	Each	W20310 W20330 W20332	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF	✓	SA		KL		HP		SSC		SMC		W		Z		PC	
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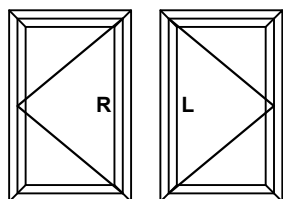


Part Code	Rod Length (mm)	Number of Keeps	Sash Rebate Size ('A')		Pack Size
			Minimum	Maximum	
ACW301L	335	2	340	505	20
ACW301R					
ACW302L	500	2	506	755	20
ACW302R					
ACW303L	750	2	756	1005	20
ACW303R					
ACW304L	1000	4	1006	1255	20
ACW304R					
ACW305L	1250	4	1256	1505	20
ACW305R					
ACW306L	1500	4	1506	1750	20
ACW306R					

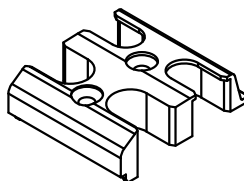
Cam Locking Direction



Cam Locking Direction



OUTSIDE VIEW



Note:
The same dimensions apply to W20325.



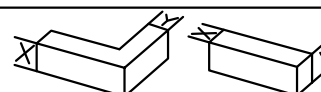
T-BARS
ACVG65=2.5mm
ACVG66=3.0mm
ACVL150=4.0mm

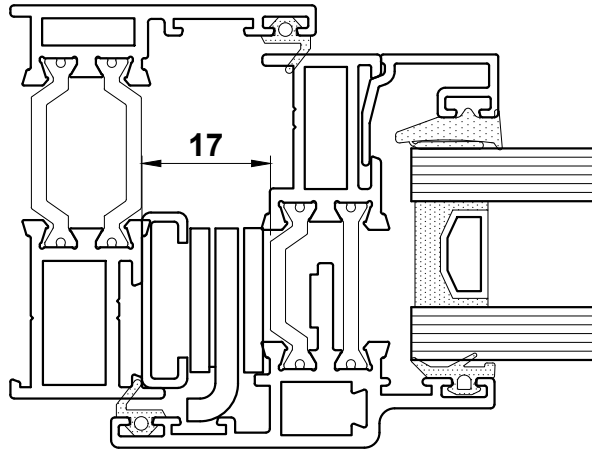


Screw (Grub)

MF = Mill Finish
SA = Silver Anodised
KL = Basic Colour
HP = Special Colour
SSC = Smooth Satin Chrome
SMC = Smokey Chrome
PC = Polished Chrome

W = White
Z = Black





Note:
The same dimensions apply to W20325.

Hinge Code Top Hung	Hinge Length (mm)	Max Vent Weight (kg)	Min Vent Height (mm)	Max Vent Height (mm)	Opening Angle (+/-2.5°)
ACINS10	262	40	315	640	50
ACINS12	313	50	640	800	50
ACINS16	415	65	800	1100	50
ACINS22	567	100	1090	1500	45
ACINS22W	567	100	1500	2000	20
ACINS26	680	180	2000	2500	20
Side Hung	Hinge Length (mm)	Max Vent Weight (kg)	Min Vent Width (mm)	Max Vent Width (mm)	Opening Angle (+/-2.5°)
ACINSSH10	262	38	327	660	85
ACINSSH16	415	55	450	838	60

Please Note:

- Dimensions shown in table are sash sizes - not rebate sizes.
- The minimum sash sizes for ACINS10 & ACINSSH10 can both be reduced to 281mm where cockscur handles are used.
- Top hung height & side hung width sizes to be reduced by 2mm where size is 450mm or smaller.
- Vents of 100kg must be fitted with ACINS09 cam adjustment devices, which are optional on lighter vents
- Separate restrictors (ACINS30 & ACINS31) vent holding devices may be required to hold large vents in a selected ventilation position against variable wind pressure.



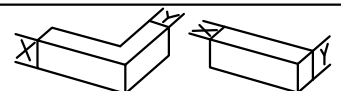
T-BARS
ACVG65=2.5mm
ACVG66=3.0mm
ACVL150=4.0mm



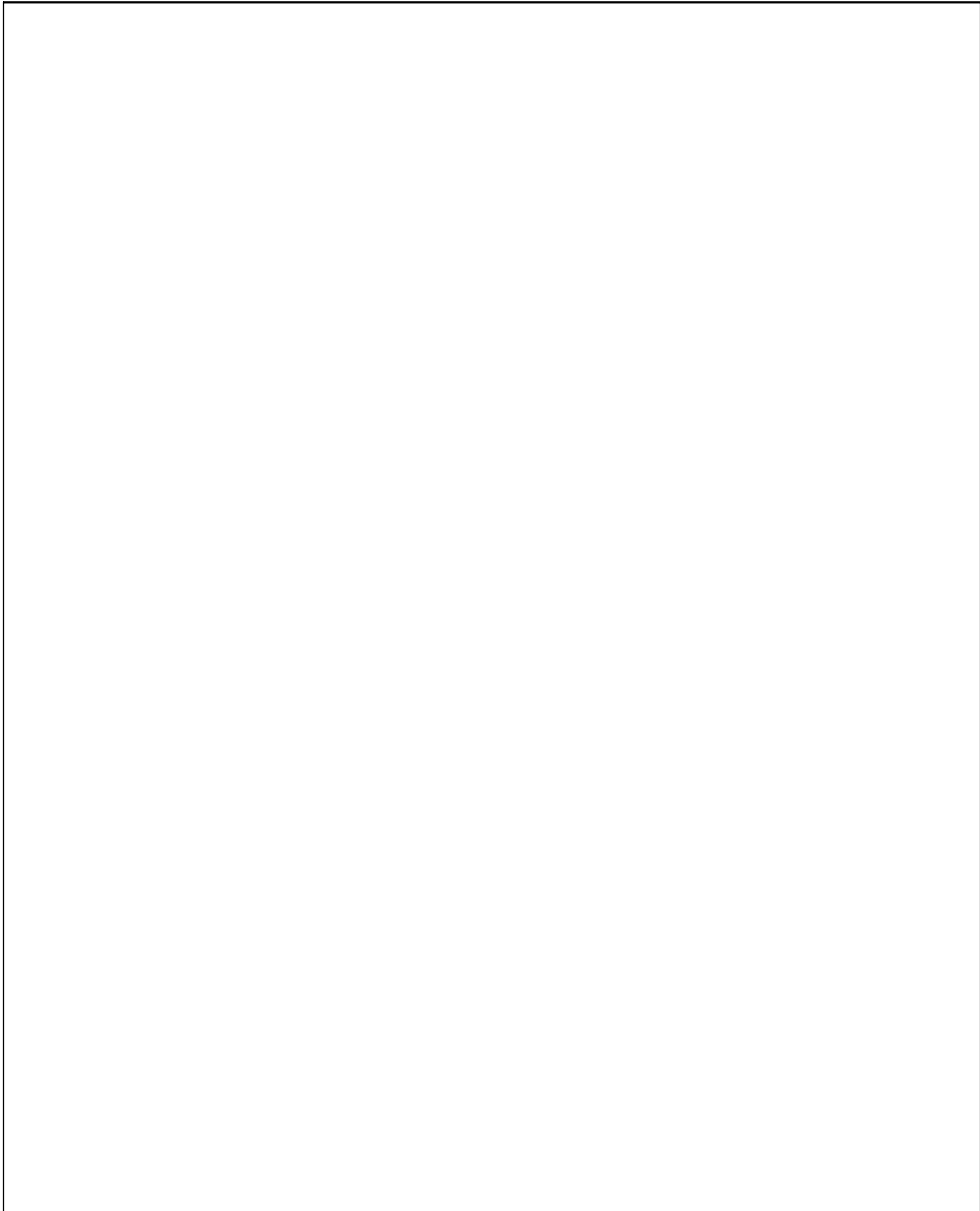
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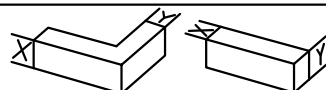
 <p>T-BARS ACVG665=2.5mm ACVG666=3.0mm ACVL150=4.0mm</p>	 <p>Screw (Grub)</p>	<p>MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome</p>		<p>W = White Z = Black</p>	
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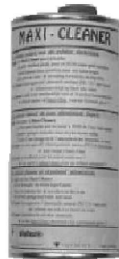


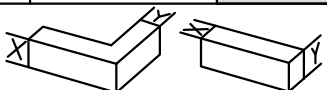
Image	Part Code	Pack	Unit	Application	Colour																		
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	ACMX09761 Maxi Gloss	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z		PC	
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	ACMX09762 Alu. Bright	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z		PC	
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SMC																							
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	ACMX09763 Teflon Spray	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z		PC	
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	ACMX09764 Maxi Clean	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z		PC	
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Image	Part Code	Pack	Unit	Application	Colour
	ACMX09765 Alu. Cleaner	1	each		MF SA KL HP SSC SMC W Z PC
	ACMX09770 Roll & Wrap 100mm	1	each		MF SA KL HP SSC SMC W Z PC
	ACMX09775 Grip Handwrap	1	each		MF SA KL HP SSC SMC W Z PC
	ACMX09801 Protective Tape 50mm	1	each		MF SA KL HP SSC SMC W Z PC
	ACMX09802 Protective Tape 70mm	1	each		MF SA KL HP SSC SMC W Z PC
 <p>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</p>  <p>Screw (Grub)</p>	<p>MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome</p>	<p>W = White Z = Black</p>	 		








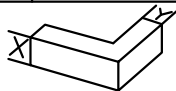
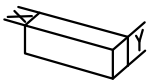



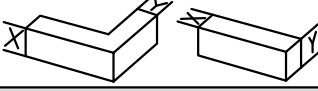
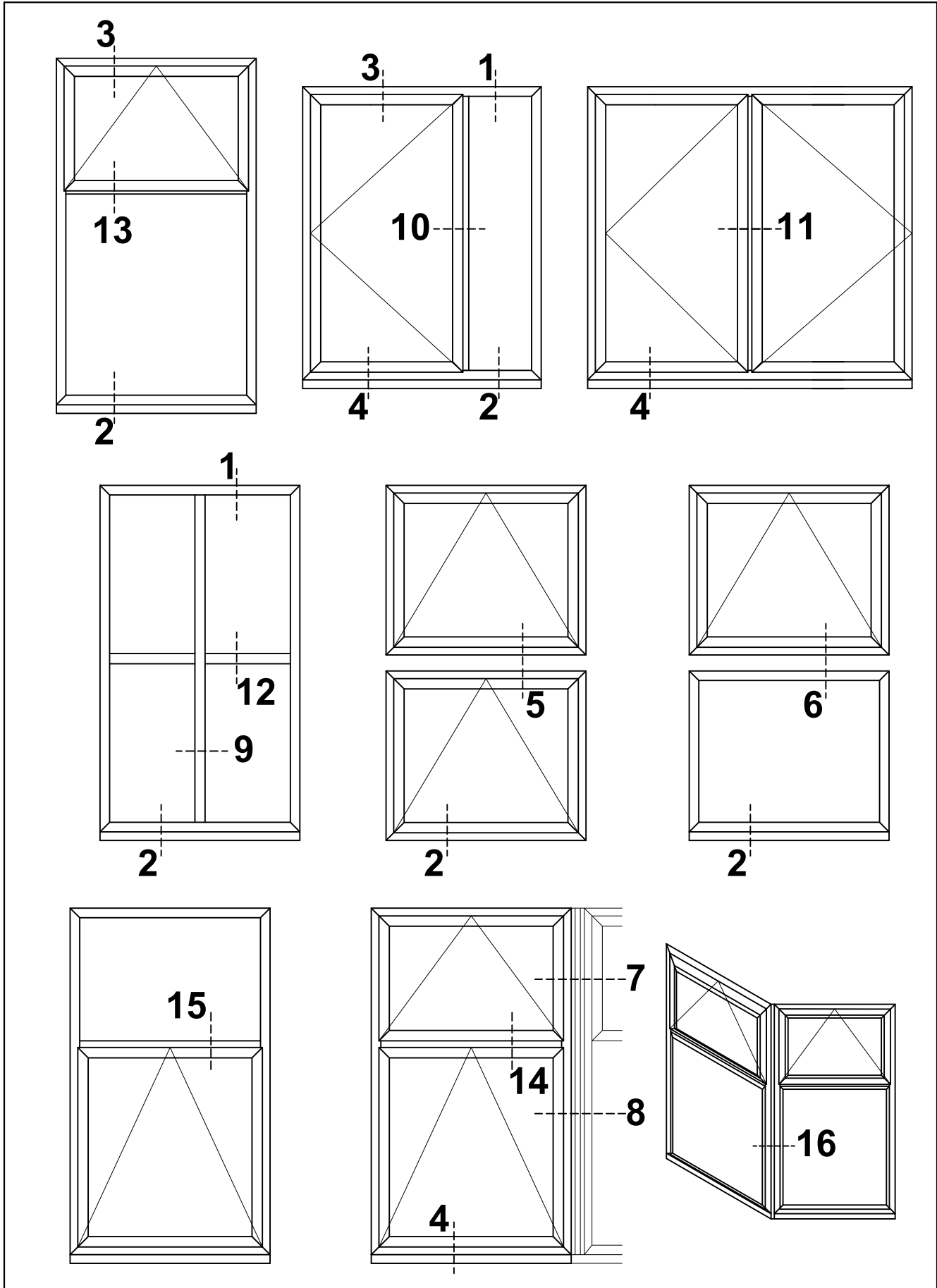
Image	Part Code	Pack	Unit	Application	Colour																		
	ACMX09803 Protective Tape 100mm	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z		PC	
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	ACSIL04 Sealing Glue Order with suffix of KL colour (eg.ACSIL04KL005) or BL=Black/WP=White/ CL=Clear	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td>✓</td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL	✓	HP		SSC		SMC		W	✓	Z	✓	PC	
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HP																							
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Z	✓																						
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	ACSIL05 Rubber Sealant	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z		PC	
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	ACSIL08 Silicon Gun	1	each		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>SSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> <tr><td>PC</td><td></td></tr> </table>	MF		SA		KL		HP		SSC		SMC		W		Z		PC	
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					KL <input type="checkbox"/>	
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					SMC <input type="checkbox"/>	
					W <input type="checkbox"/>	
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SSC <input type="checkbox"/>						
SMC <input type="checkbox"/>						
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					KL <input type="checkbox"/>	
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					SMC <input type="checkbox"/>	
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					Z <input type="checkbox"/>	
					PC <input type="checkbox"/>	
SA <input type="checkbox"/>						
KL <input type="checkbox"/>						
HP <input type="checkbox"/>						
SSC <input type="checkbox"/>						
SMC <input type="checkbox"/>						
W <input type="checkbox"/>						
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PC <input type="checkbox"/>						
 <p>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</p> <p>Screw (Grub)</p>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome					
					Z = Black	
						

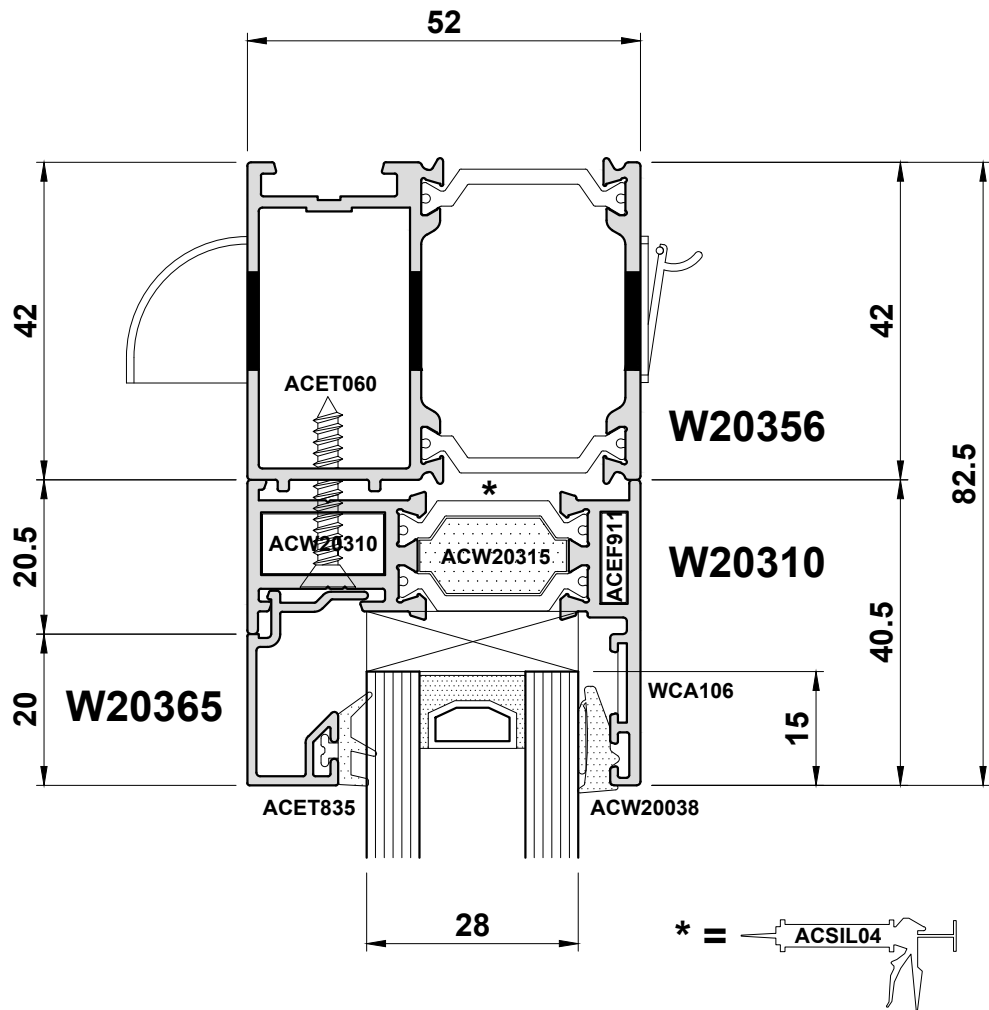
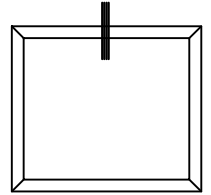
Section C

Sections

Scale Elevations

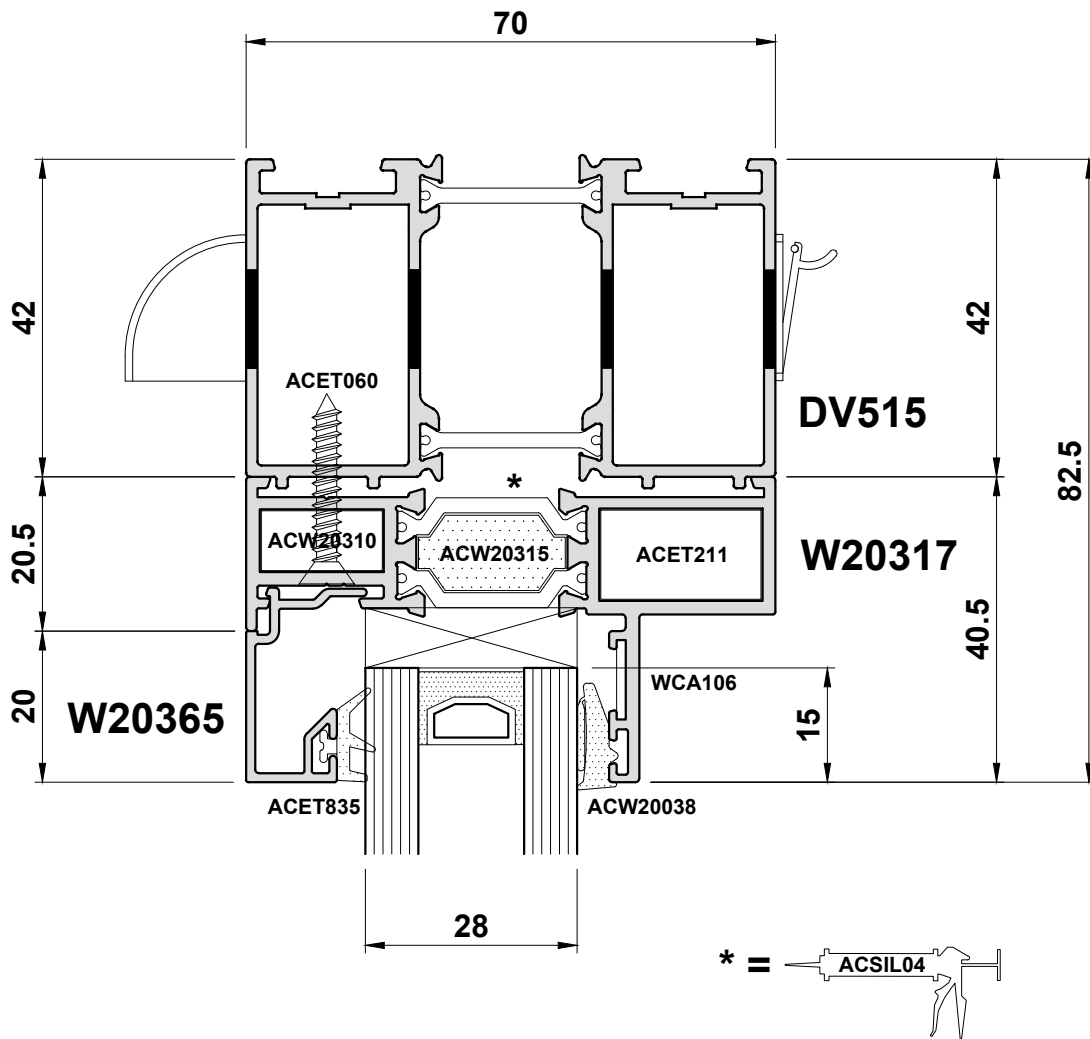
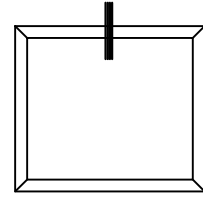


Detail 1A



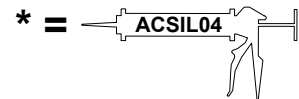
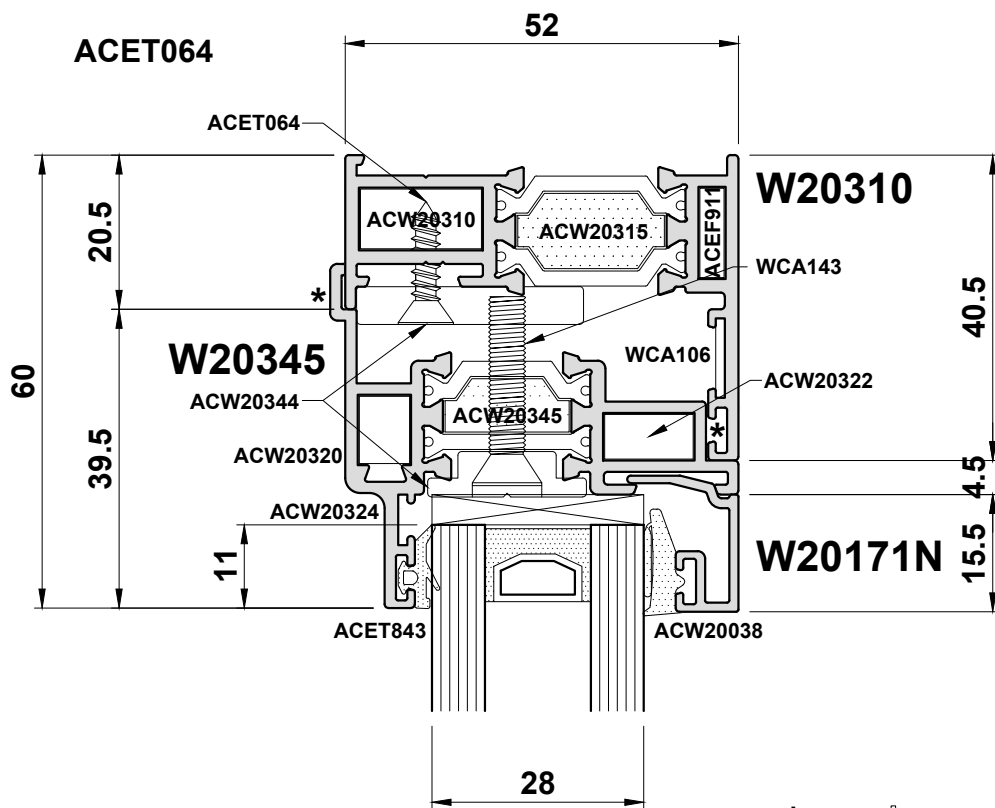
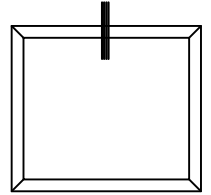
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Detail 1B



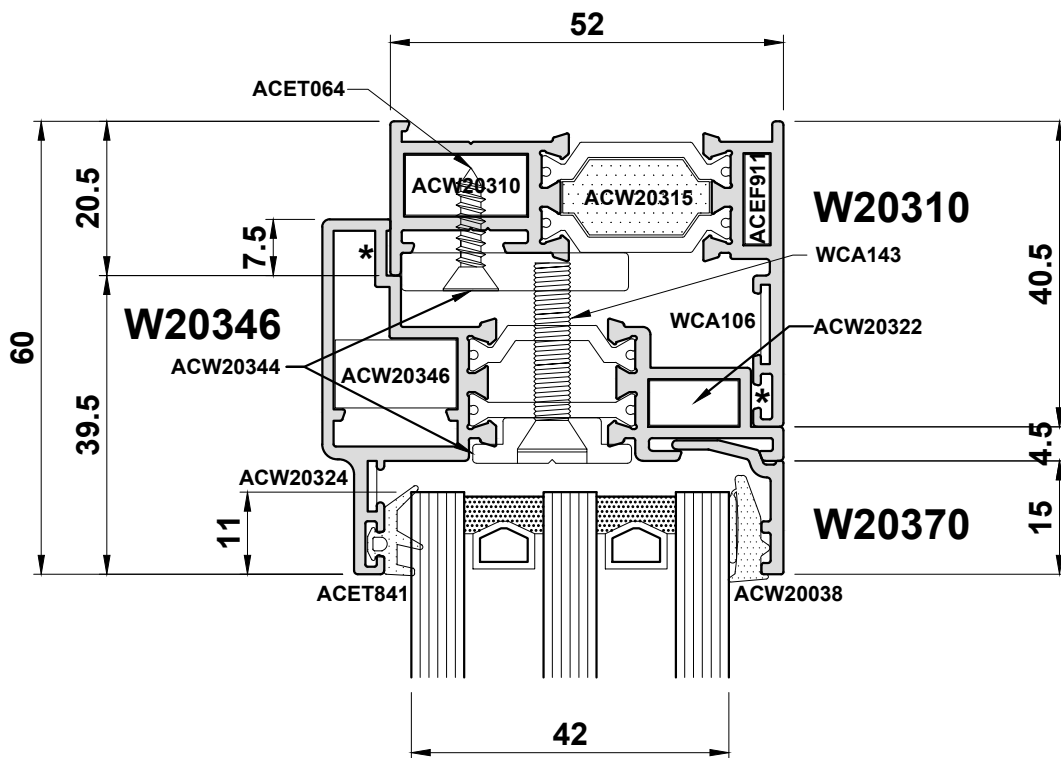
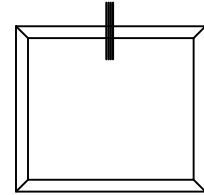
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Detail 1C



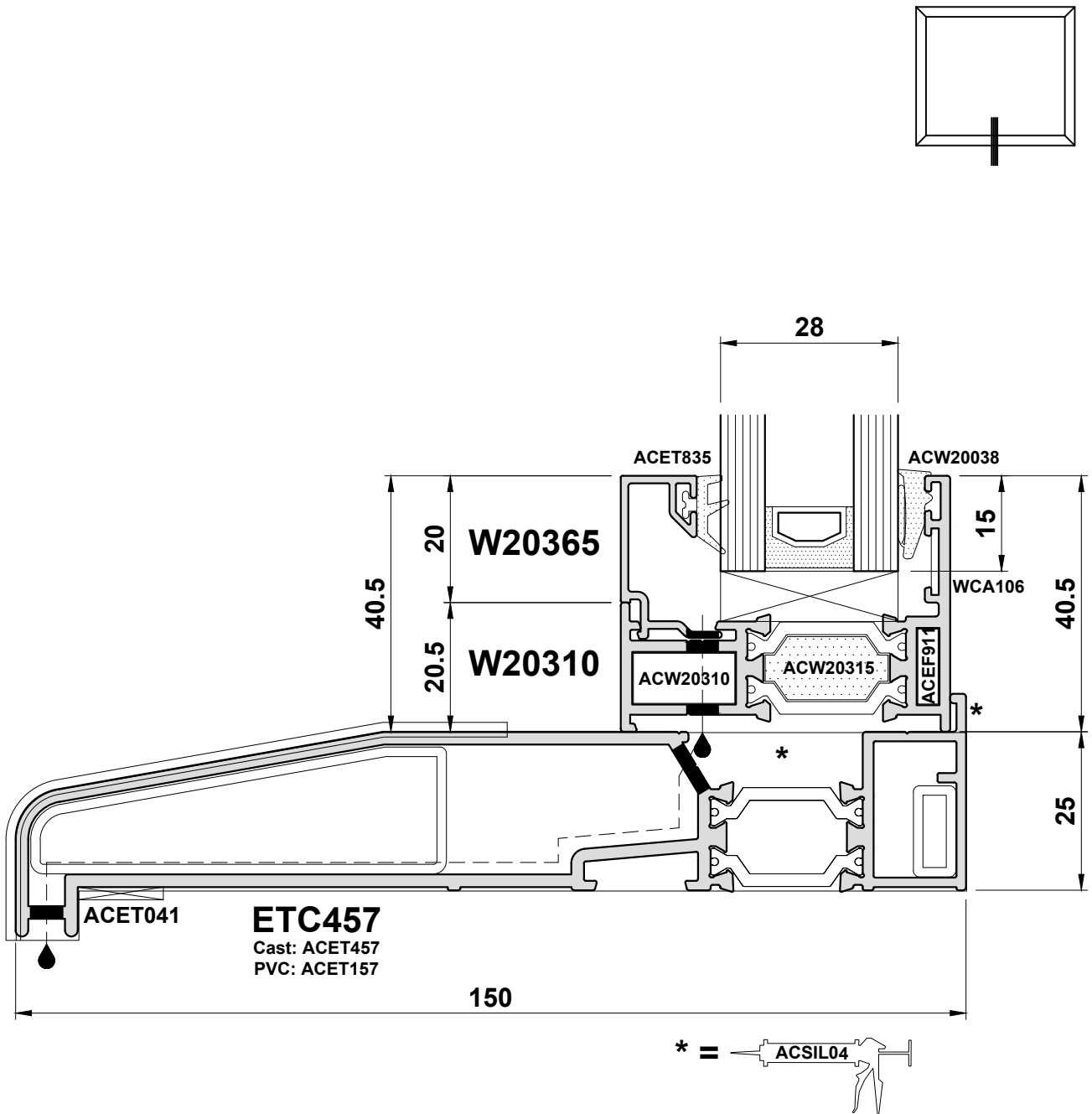
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Detail 1D



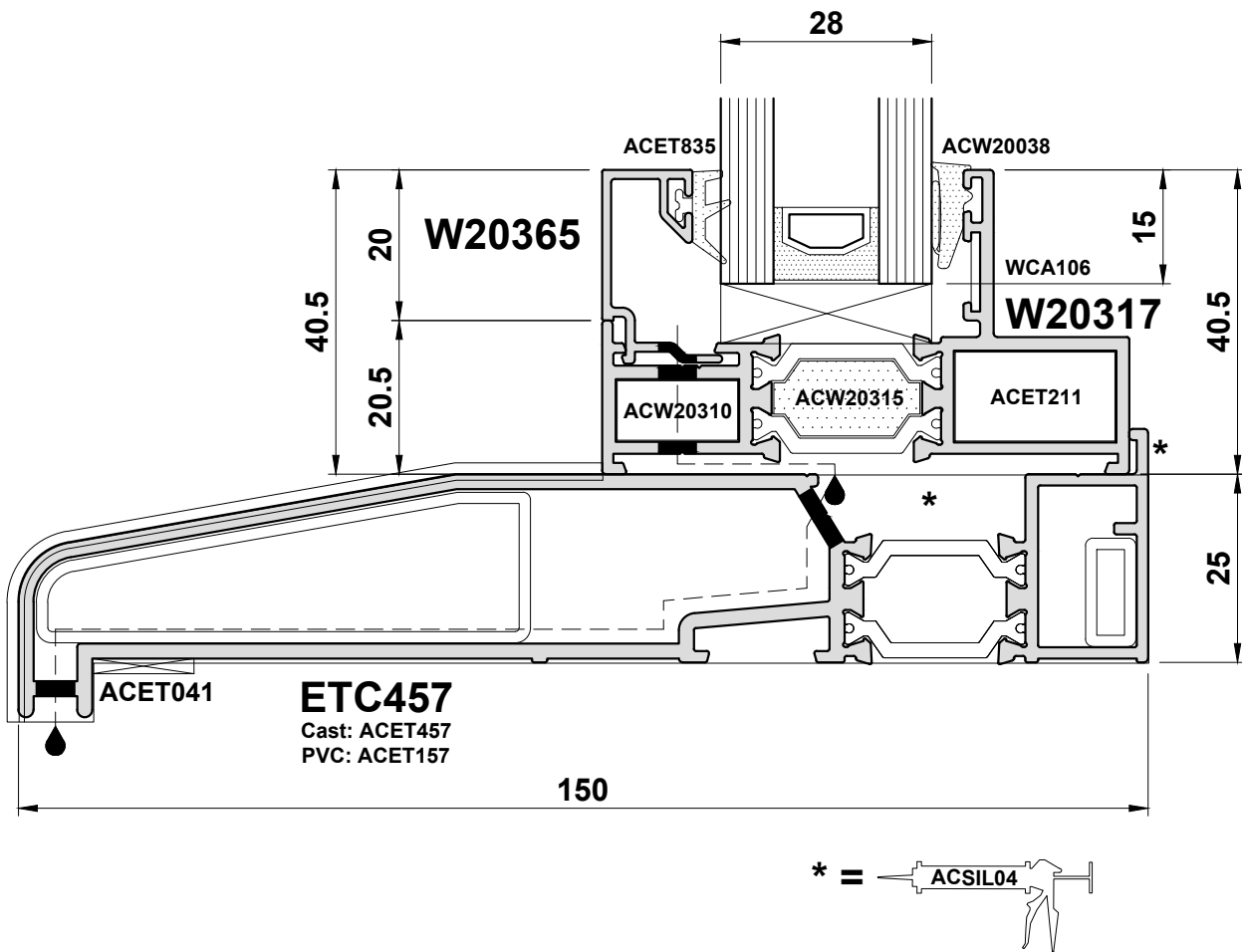
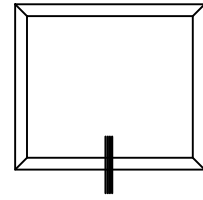
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Detail 2A



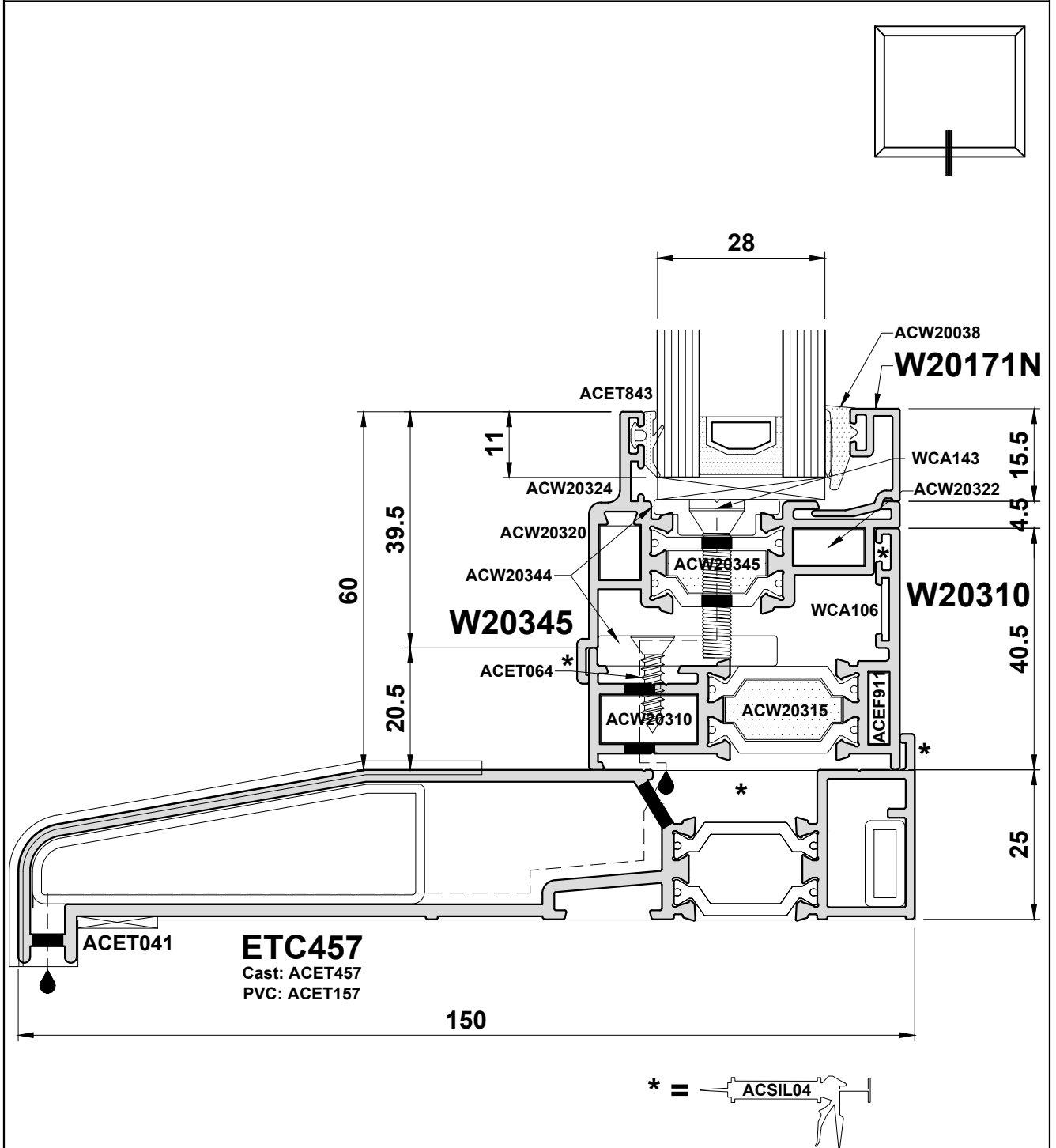
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Detail 2B



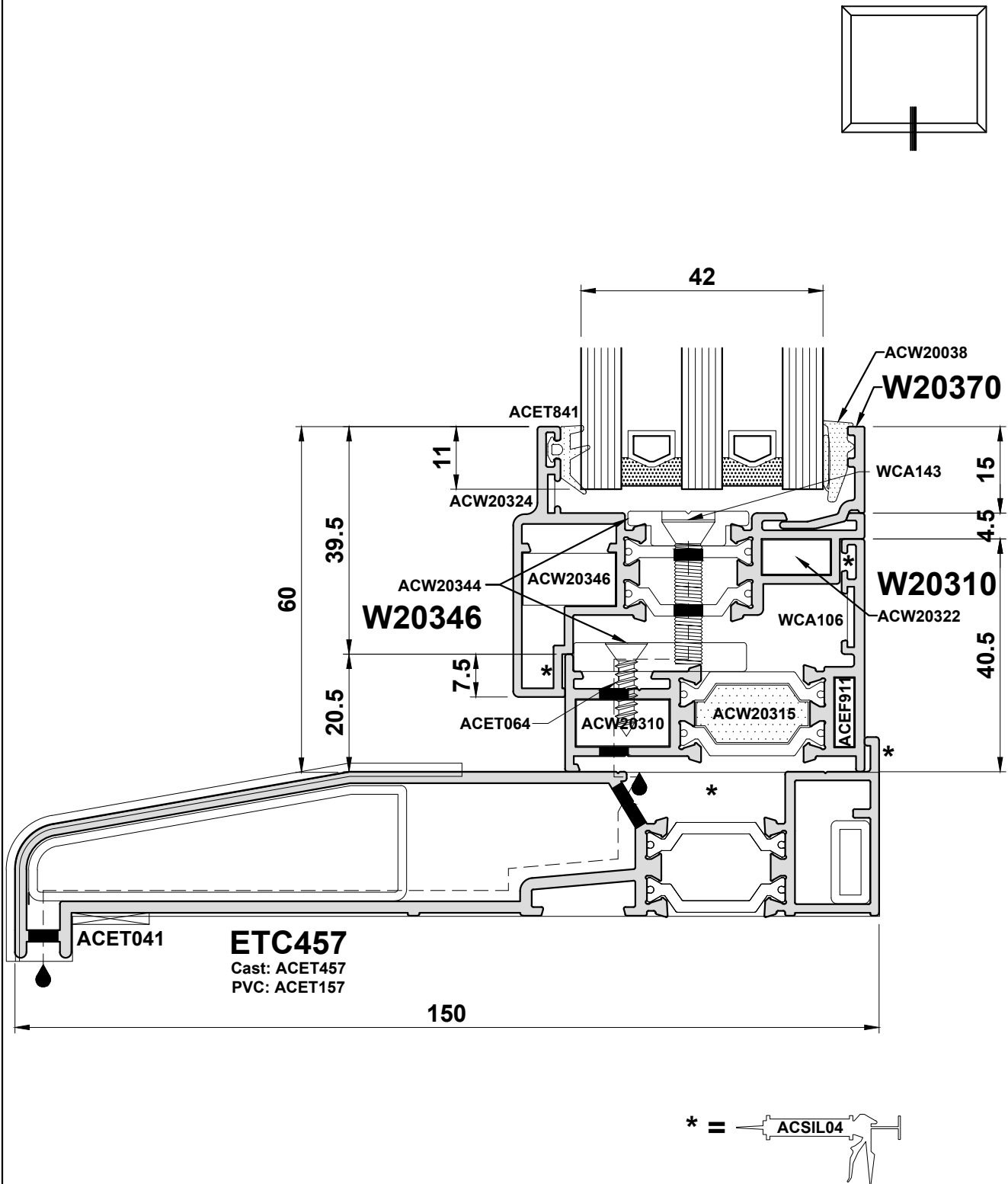
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Detail 2C



Do Not Scale From This Drawing

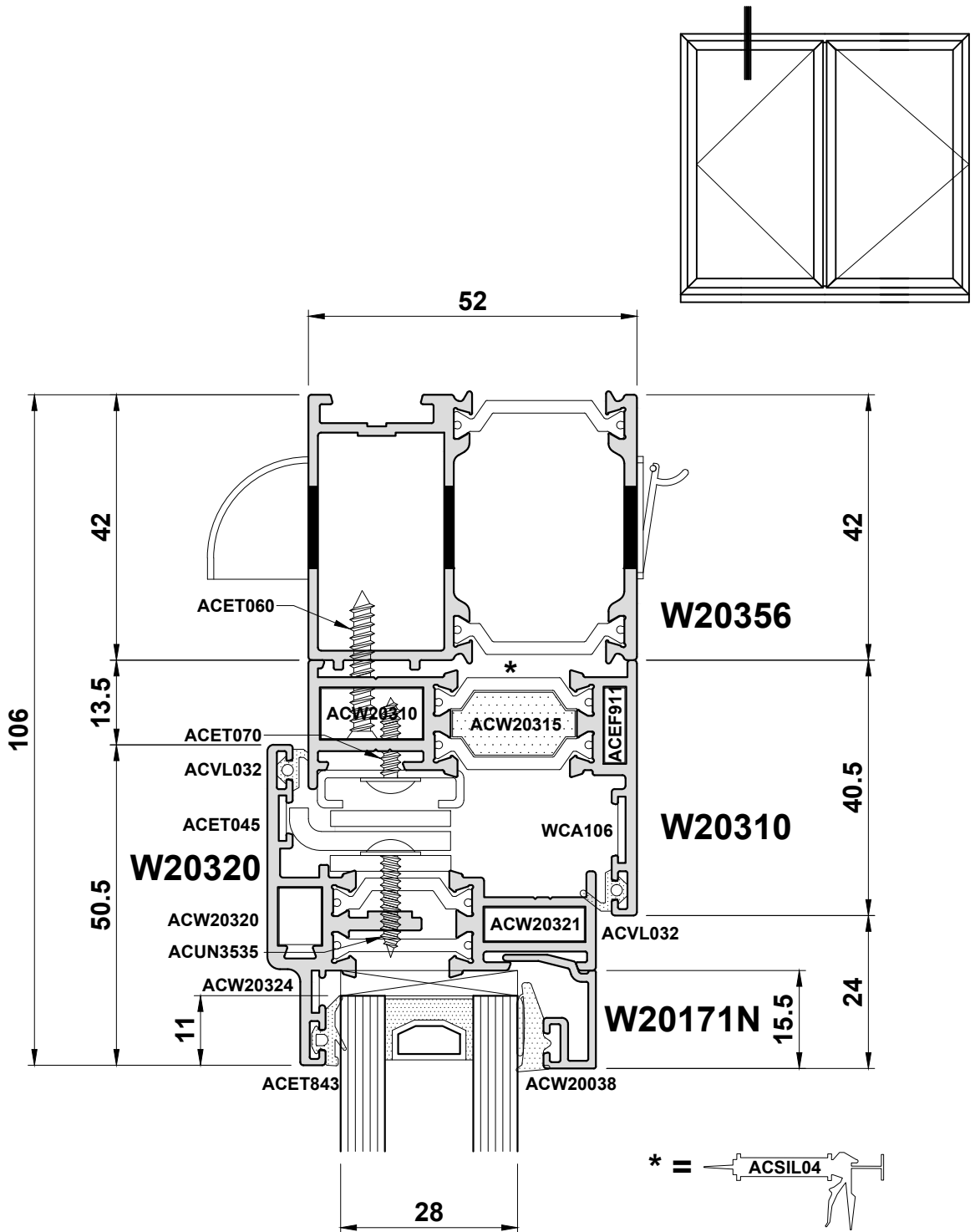
Detail 2D



ETC457
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PVC: ACET157

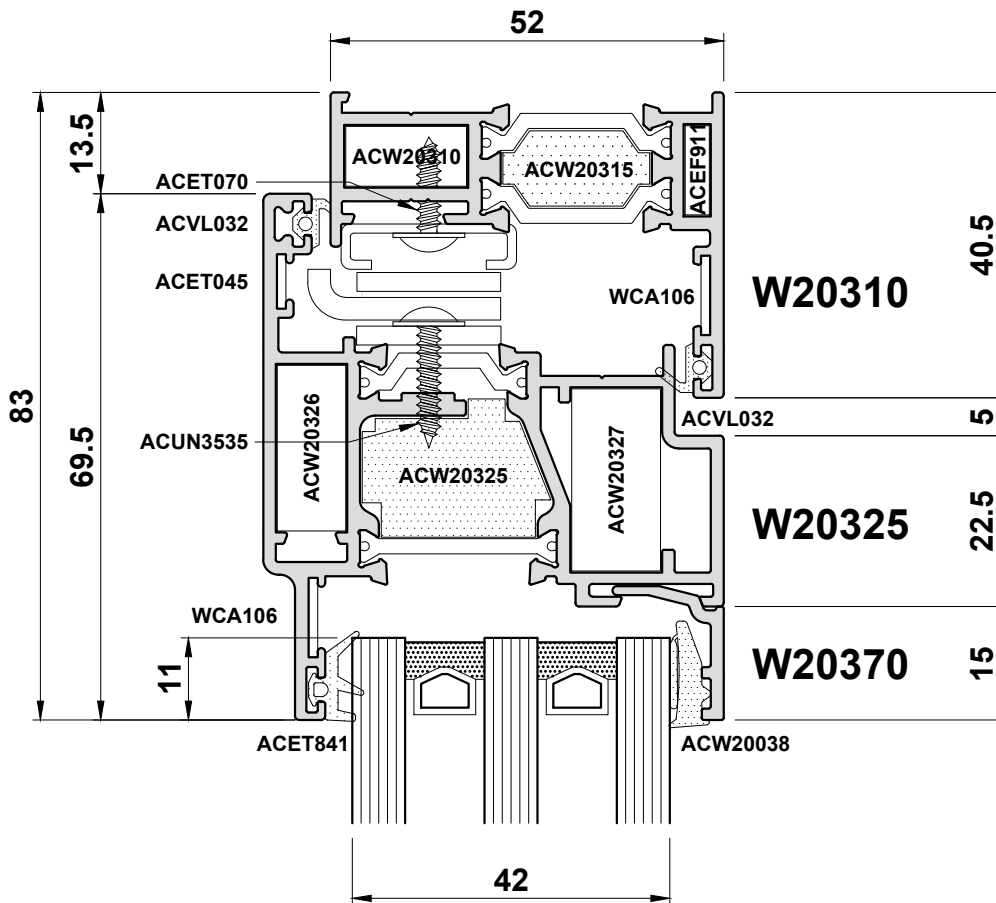
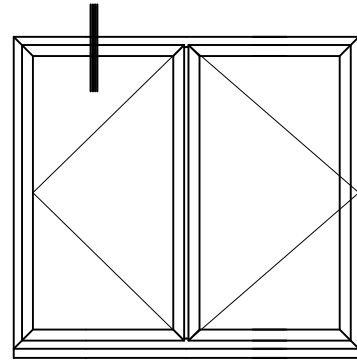
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Detail 3A



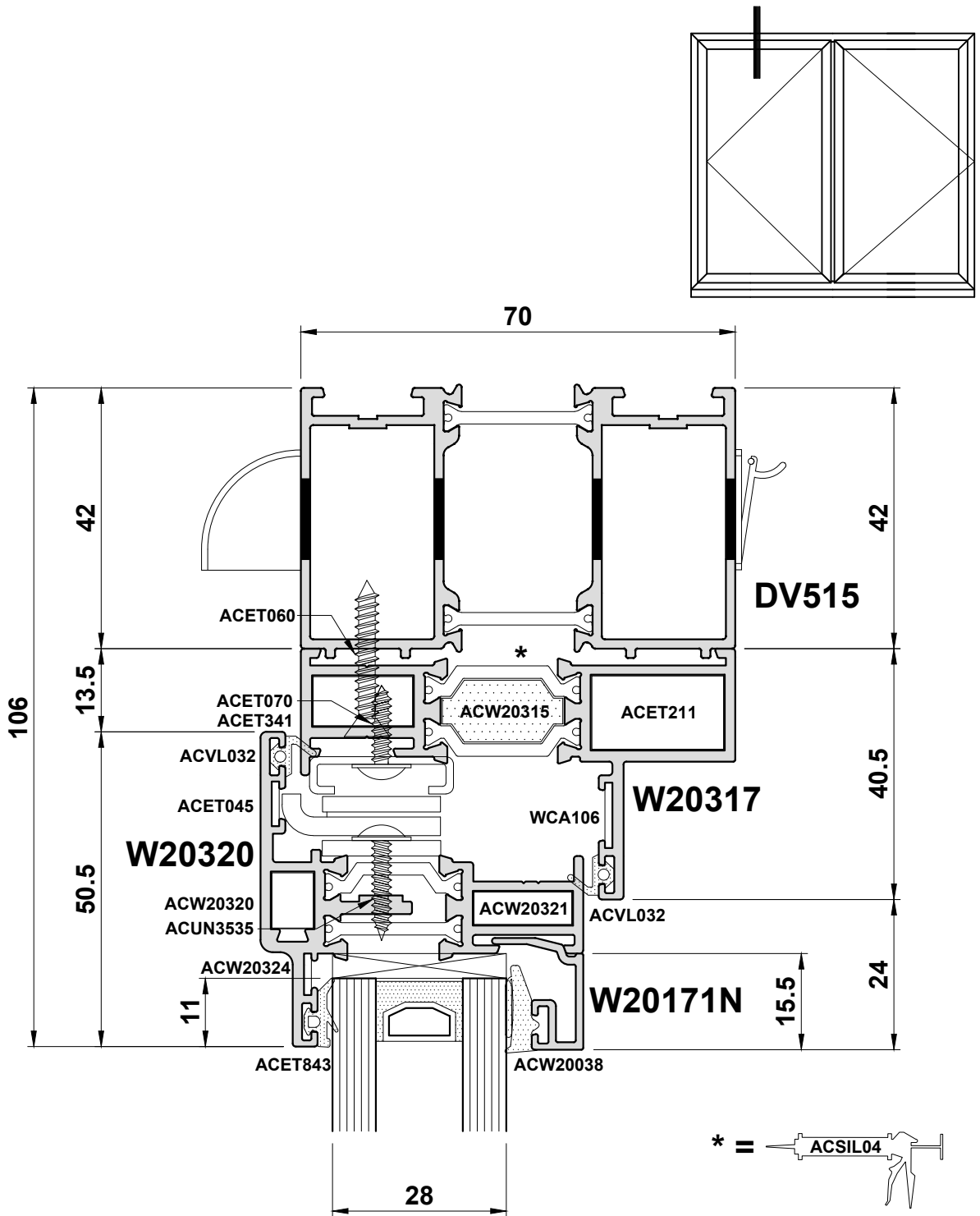
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Detail 3B



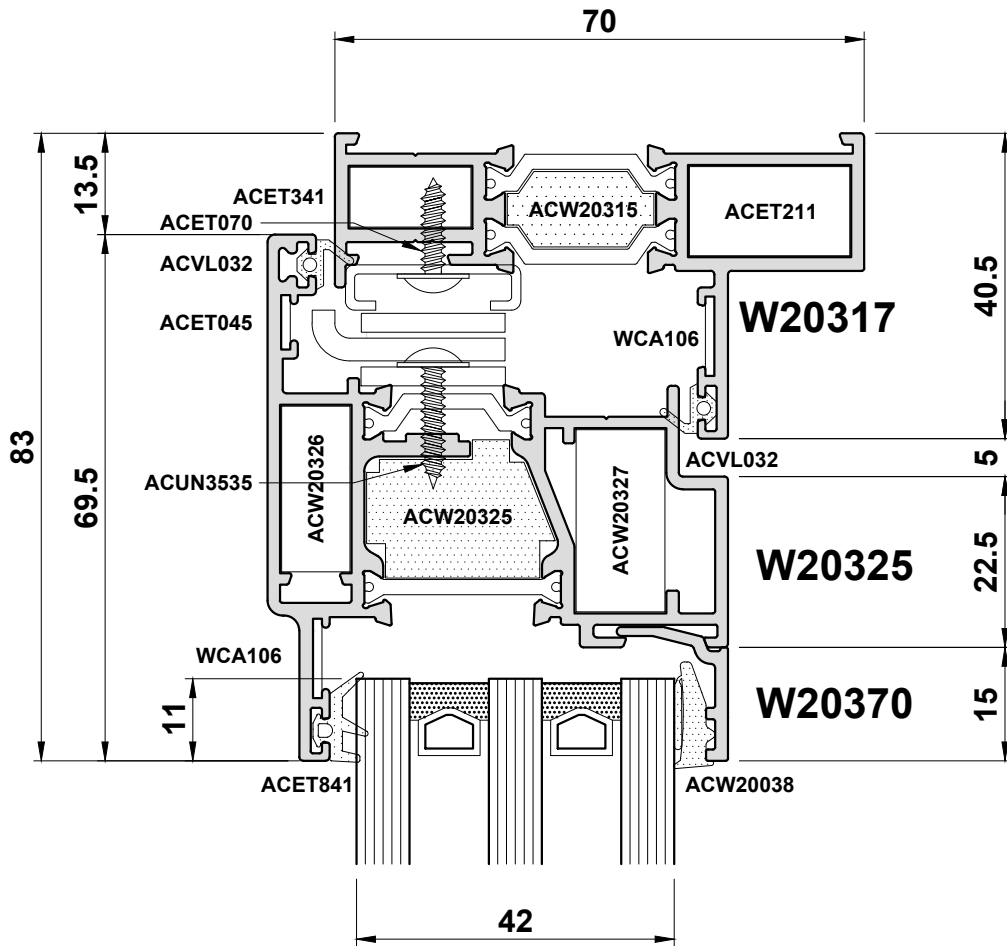
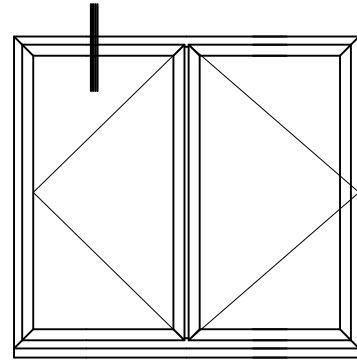
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Detail 3C



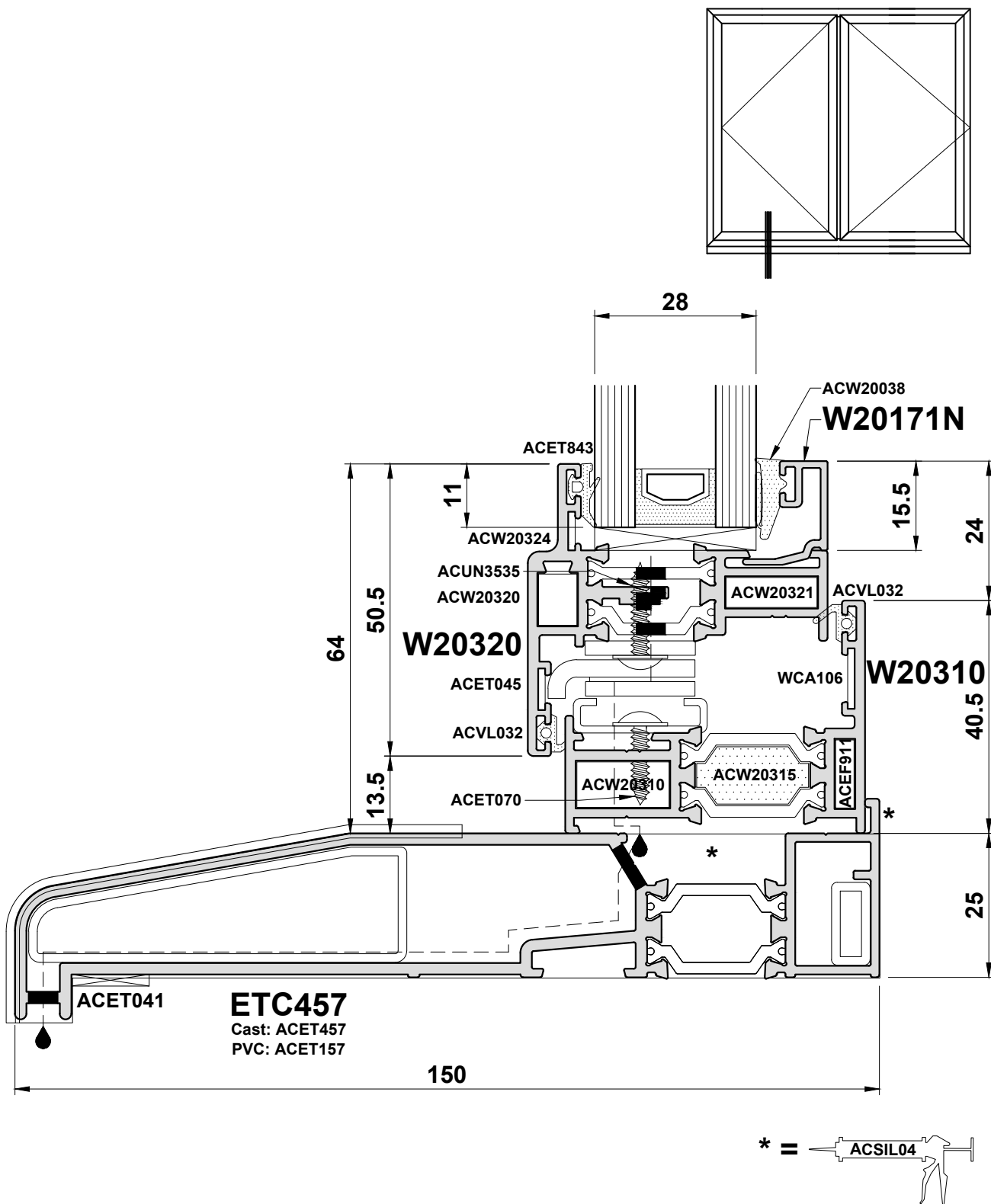
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Detail 3D



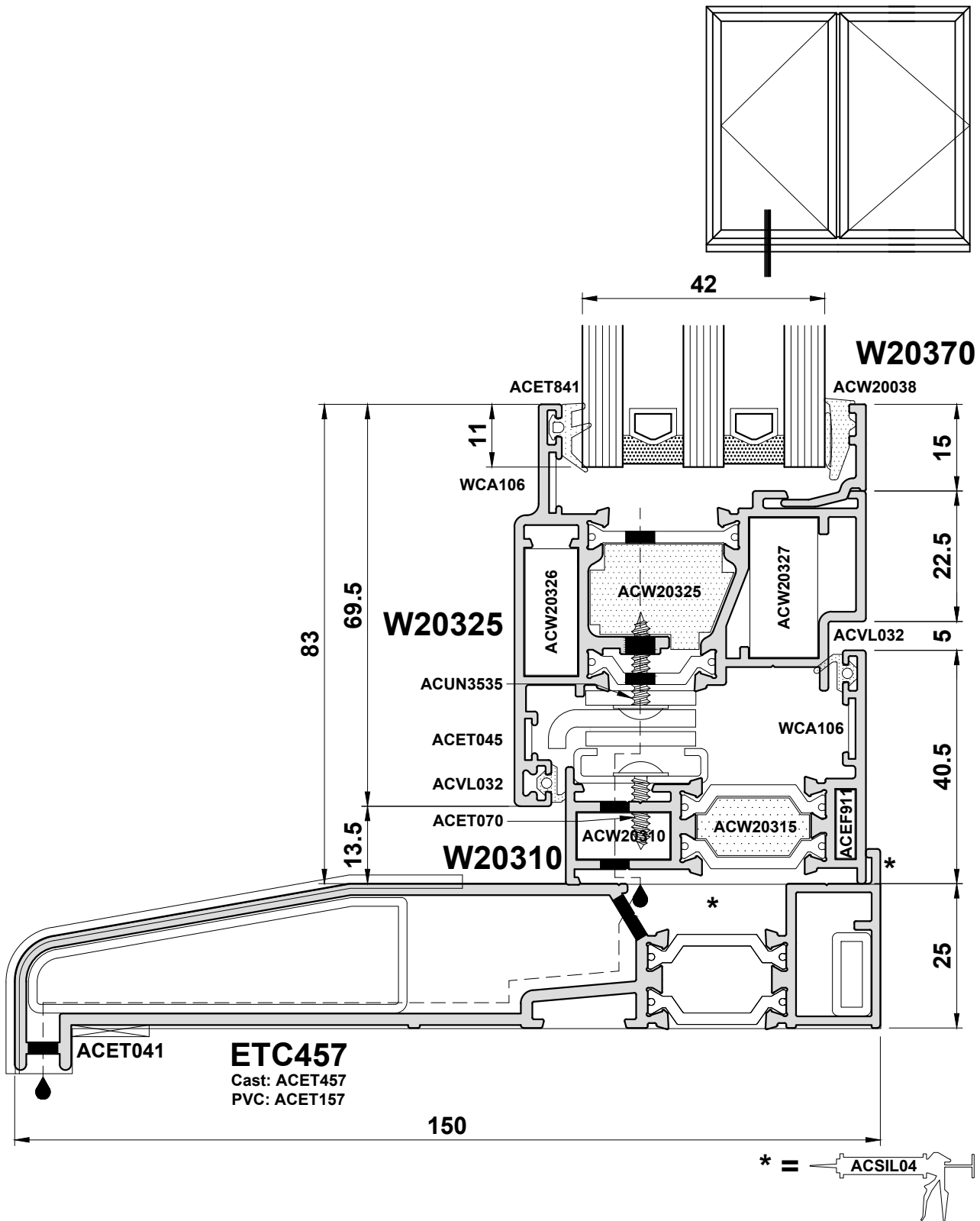
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Detail 4A



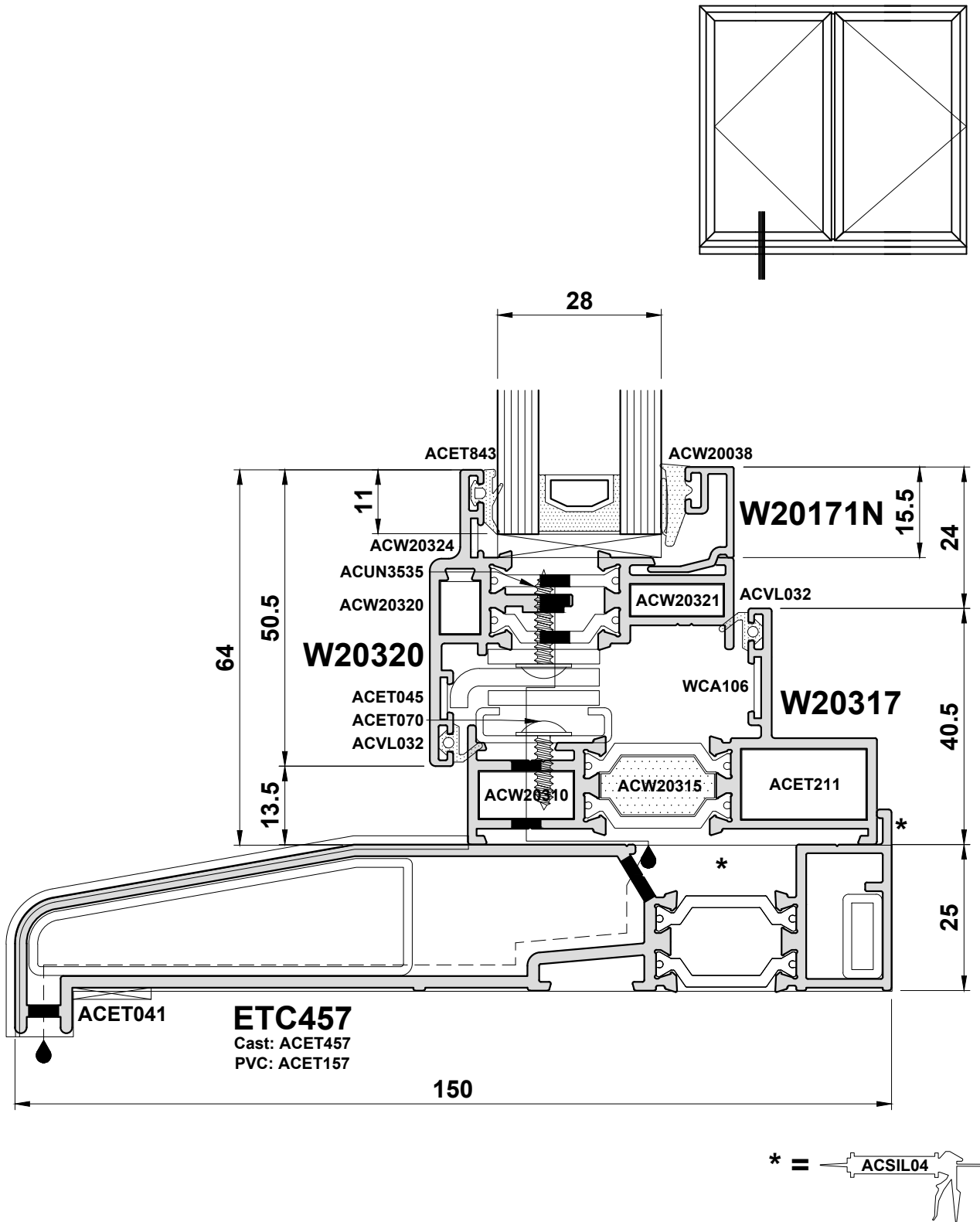
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Detail 4B



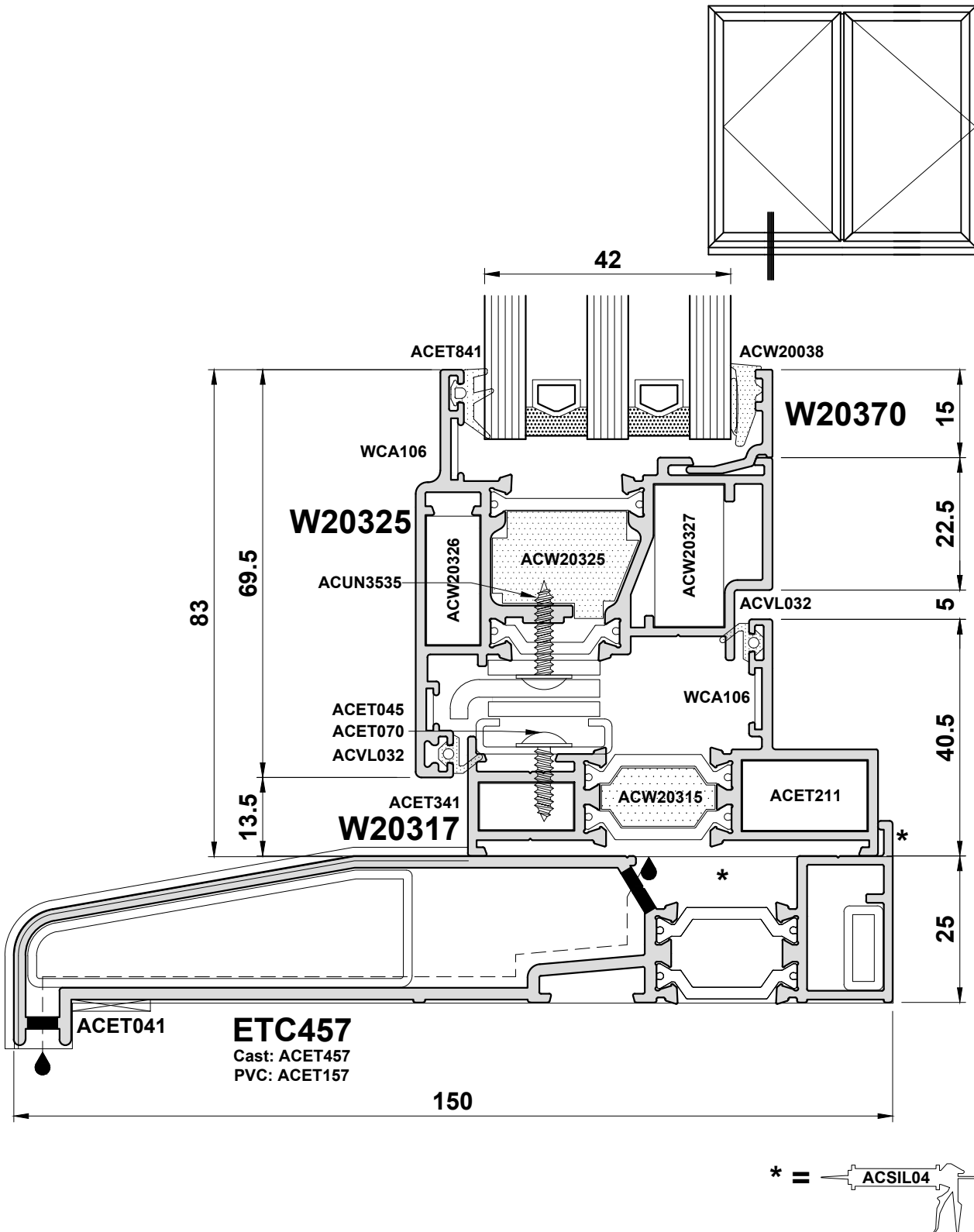
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Detail 4C



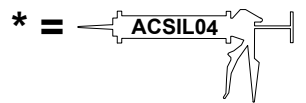
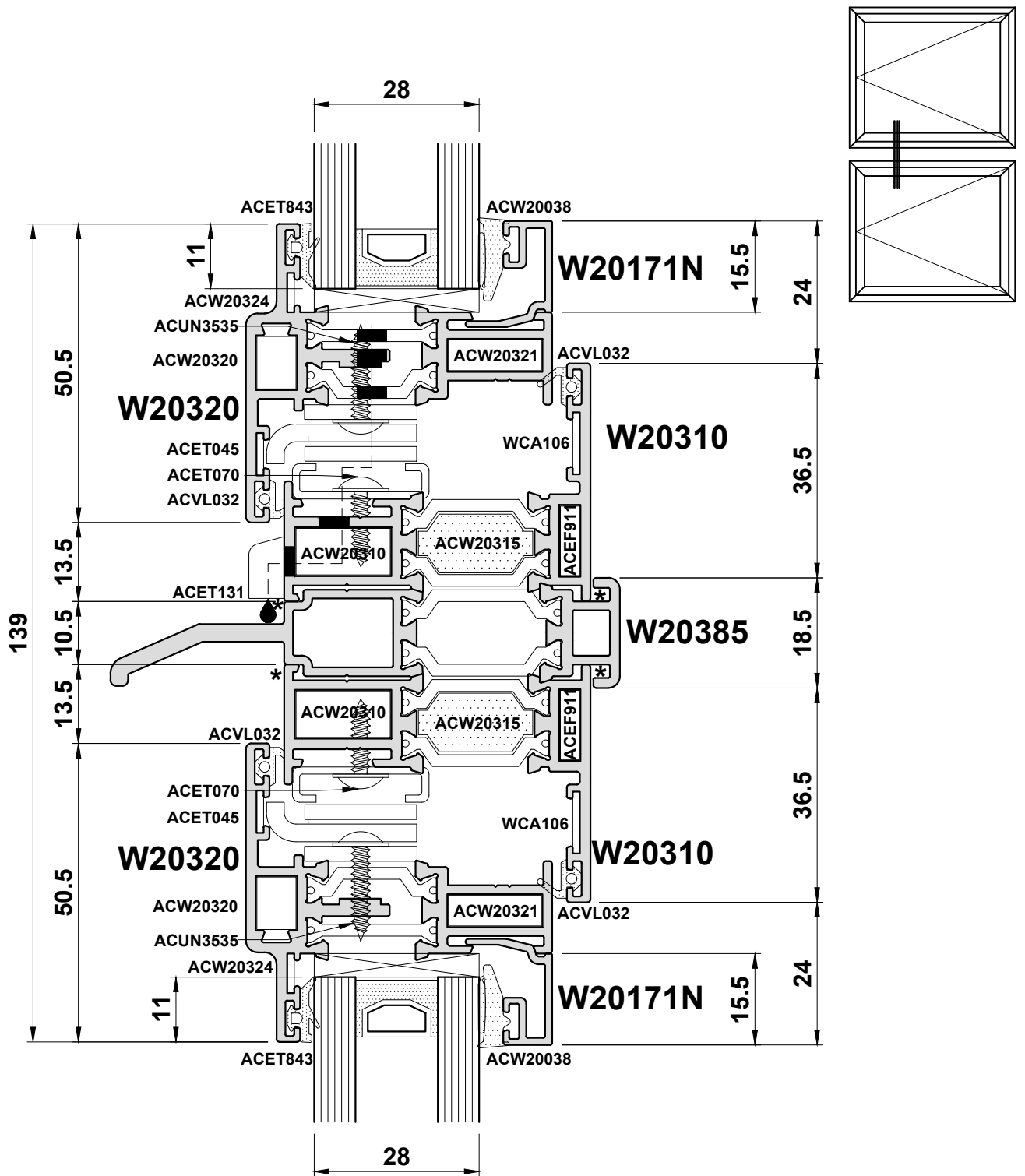
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Detail 4D



Do Not Scale From This Drawing

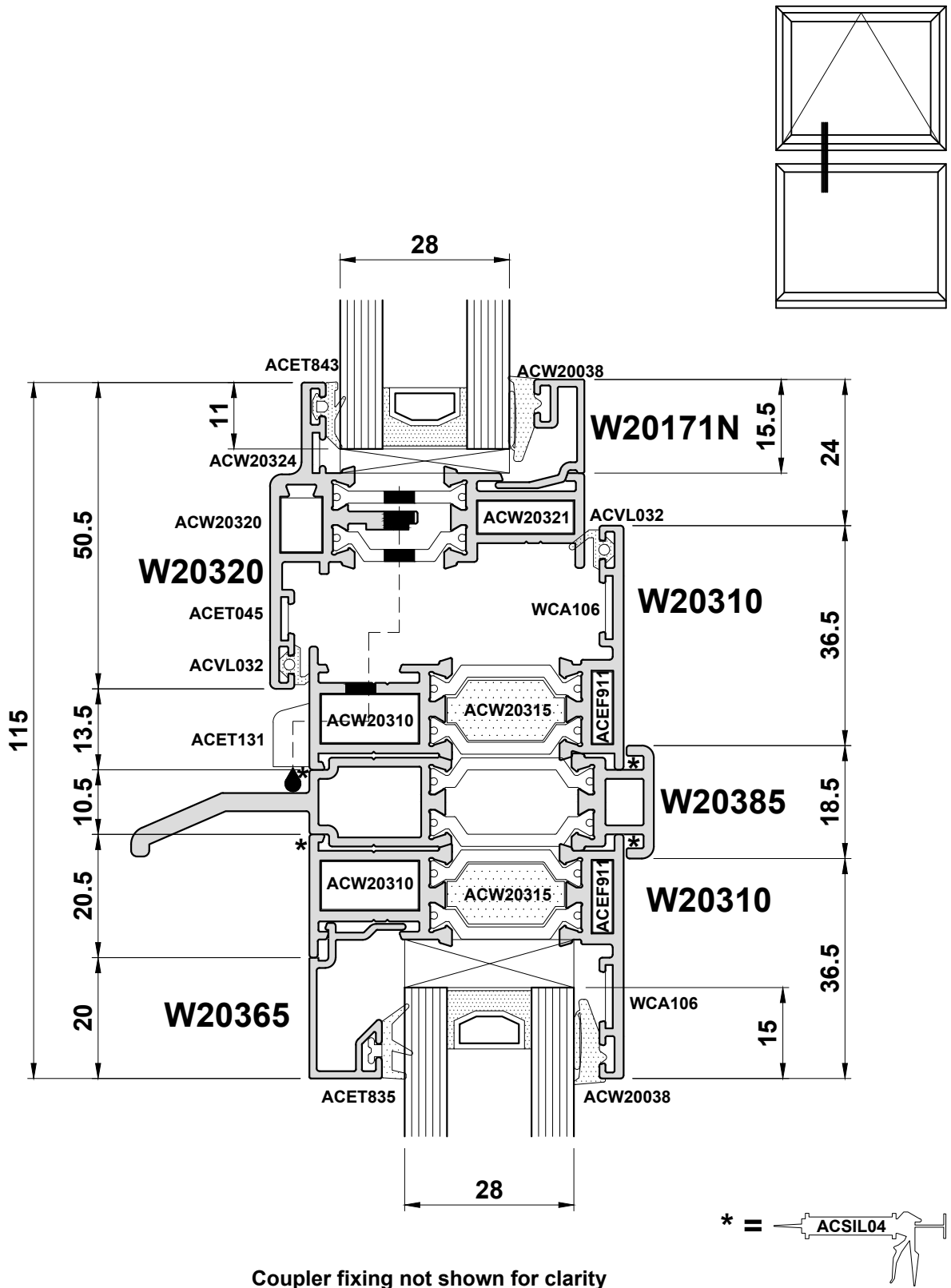
Detail 5



Coupler fixing not shown for clarity

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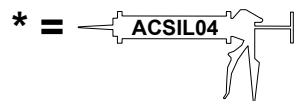
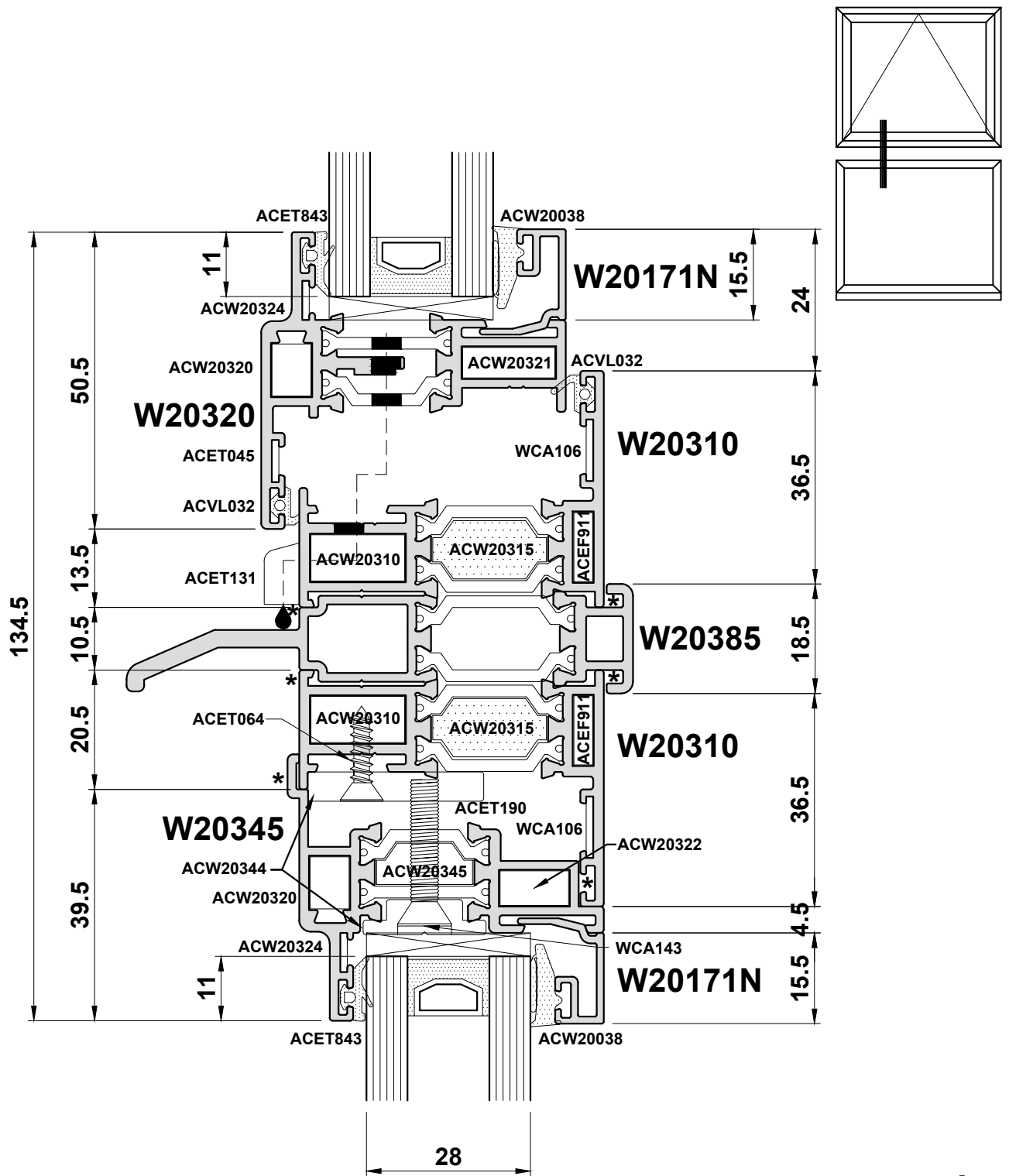
Detail 6A



Coupler fixing not shown for clarity

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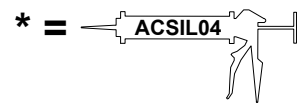
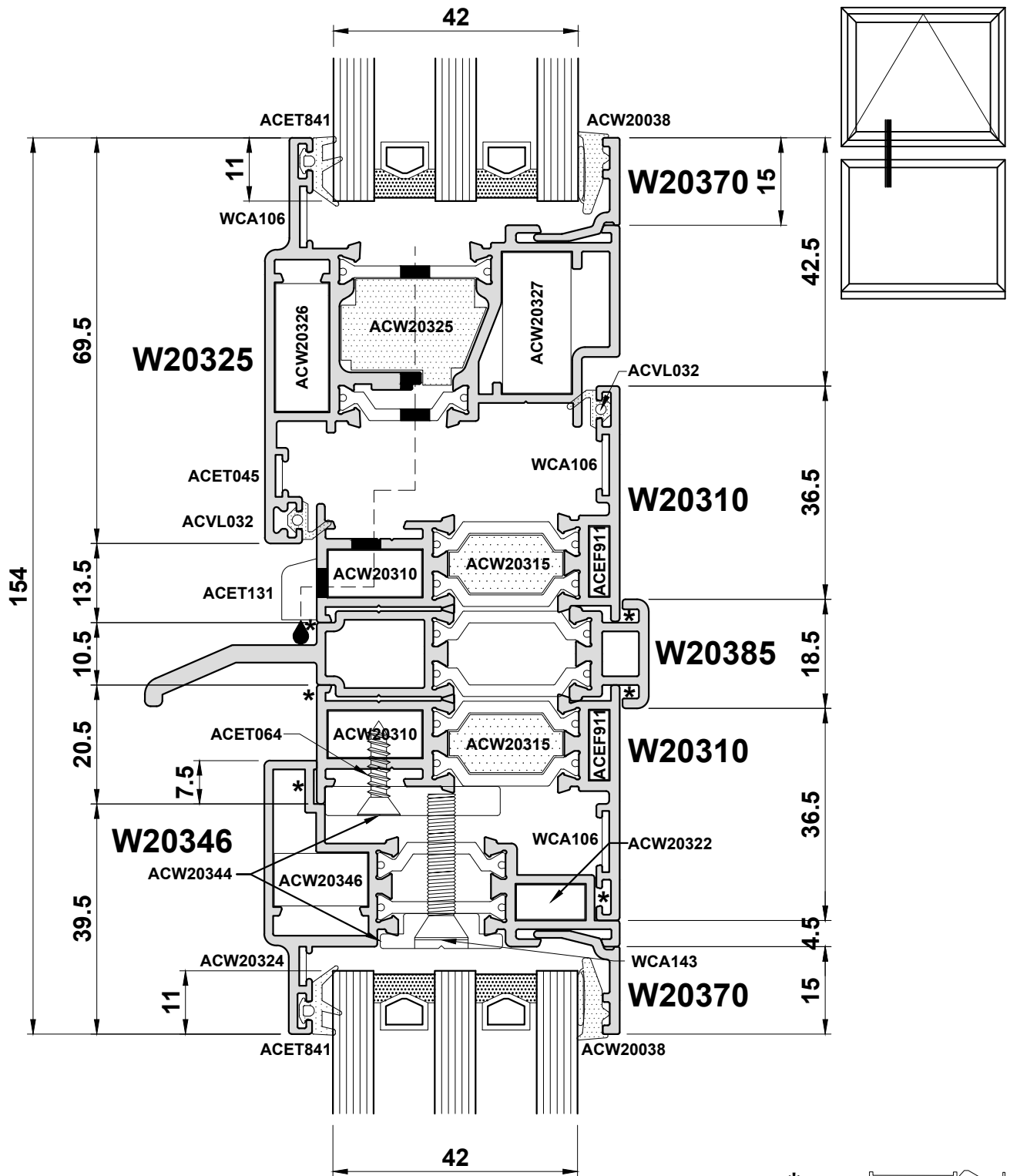
Detail 6B



Coupler fixing not shown for clarity

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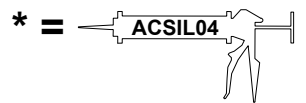
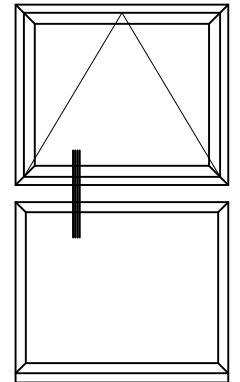
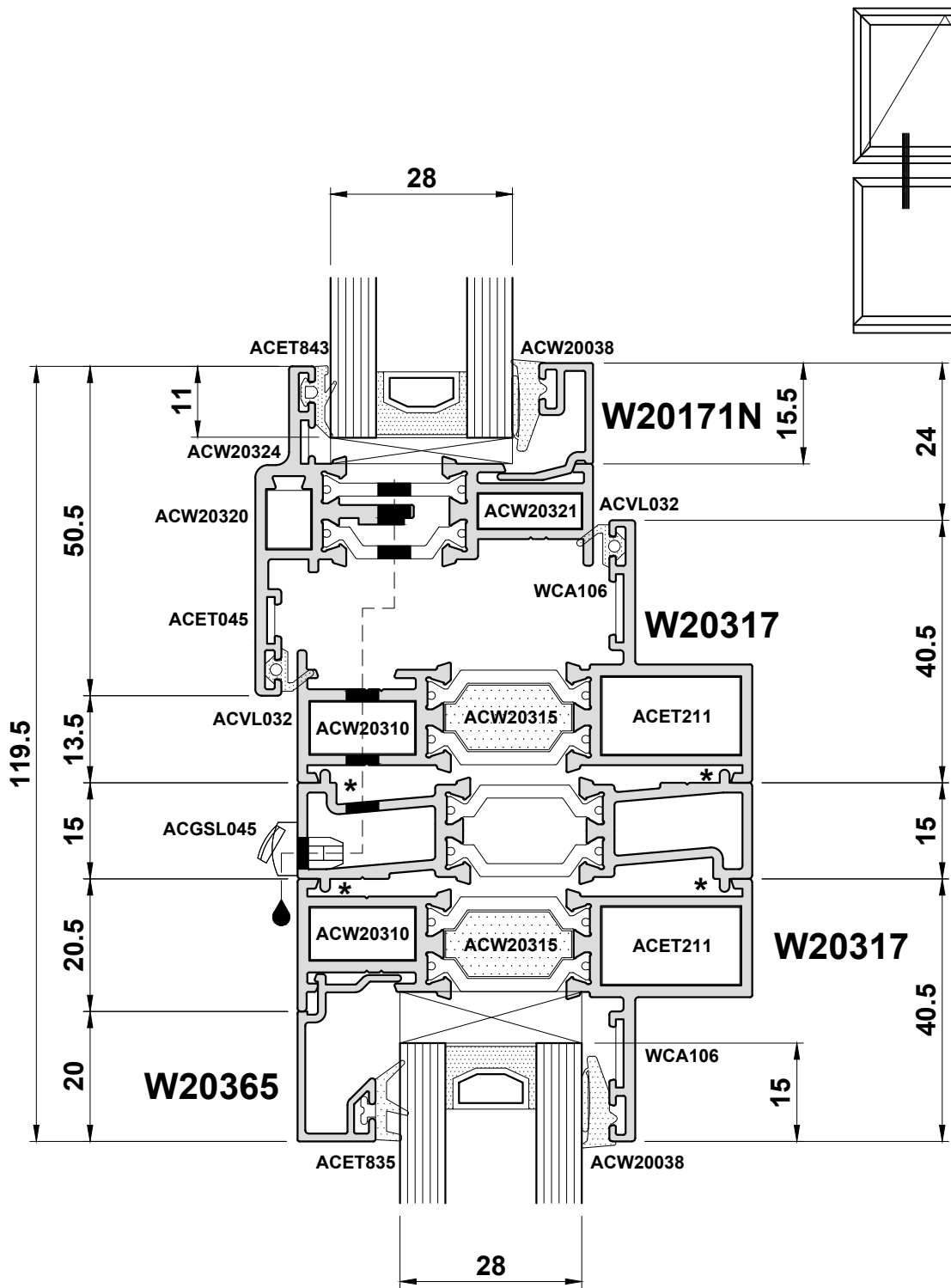
Detail 6C



Coupler fixing not shown for clarity

Do Not Scale From This Drawing

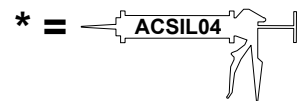
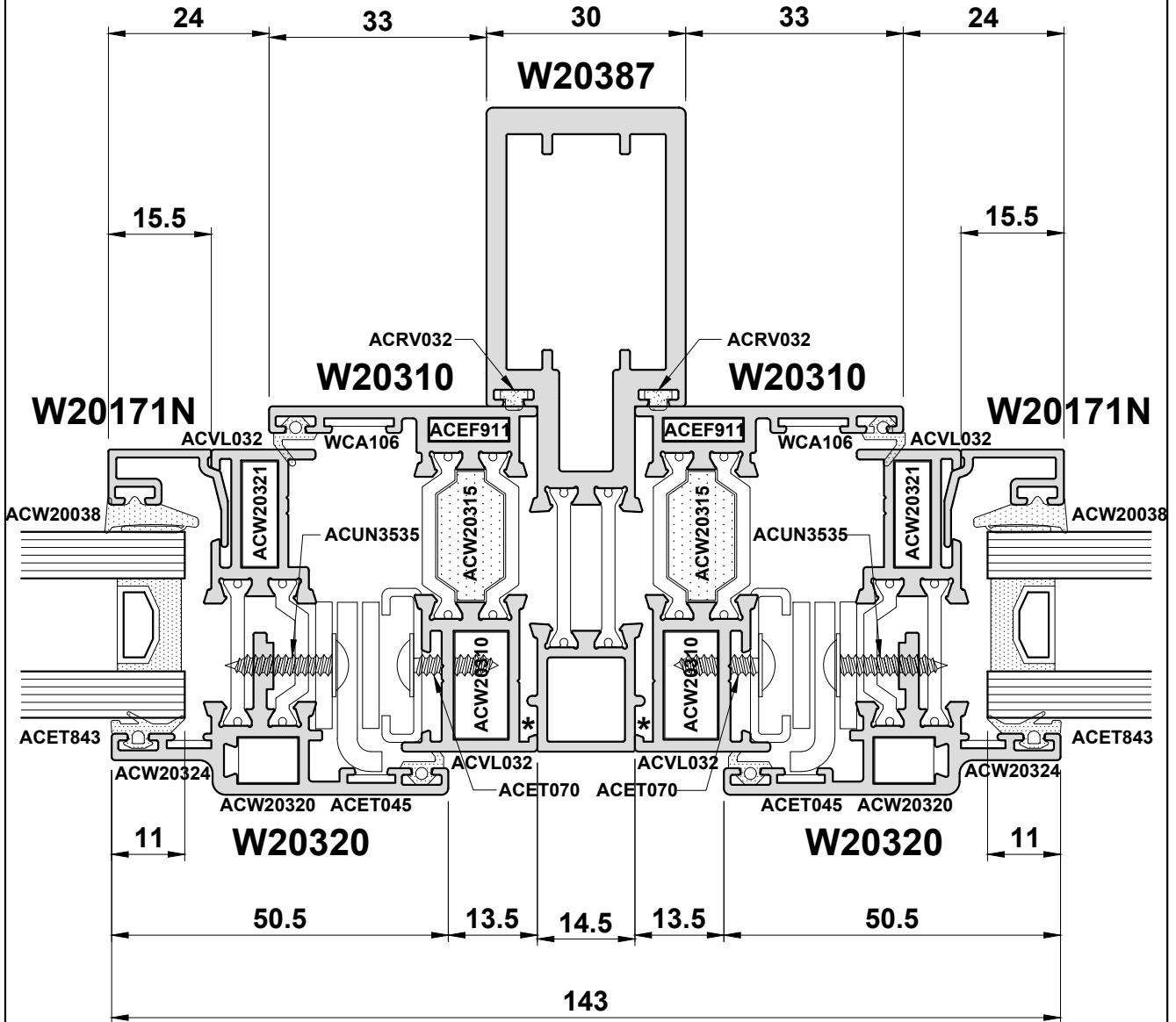
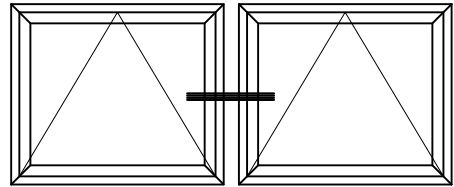
Detail 6D



Coupler fixing not shown for clarity

Do Not Scale From This Drawing

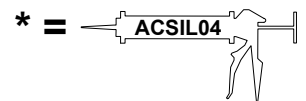
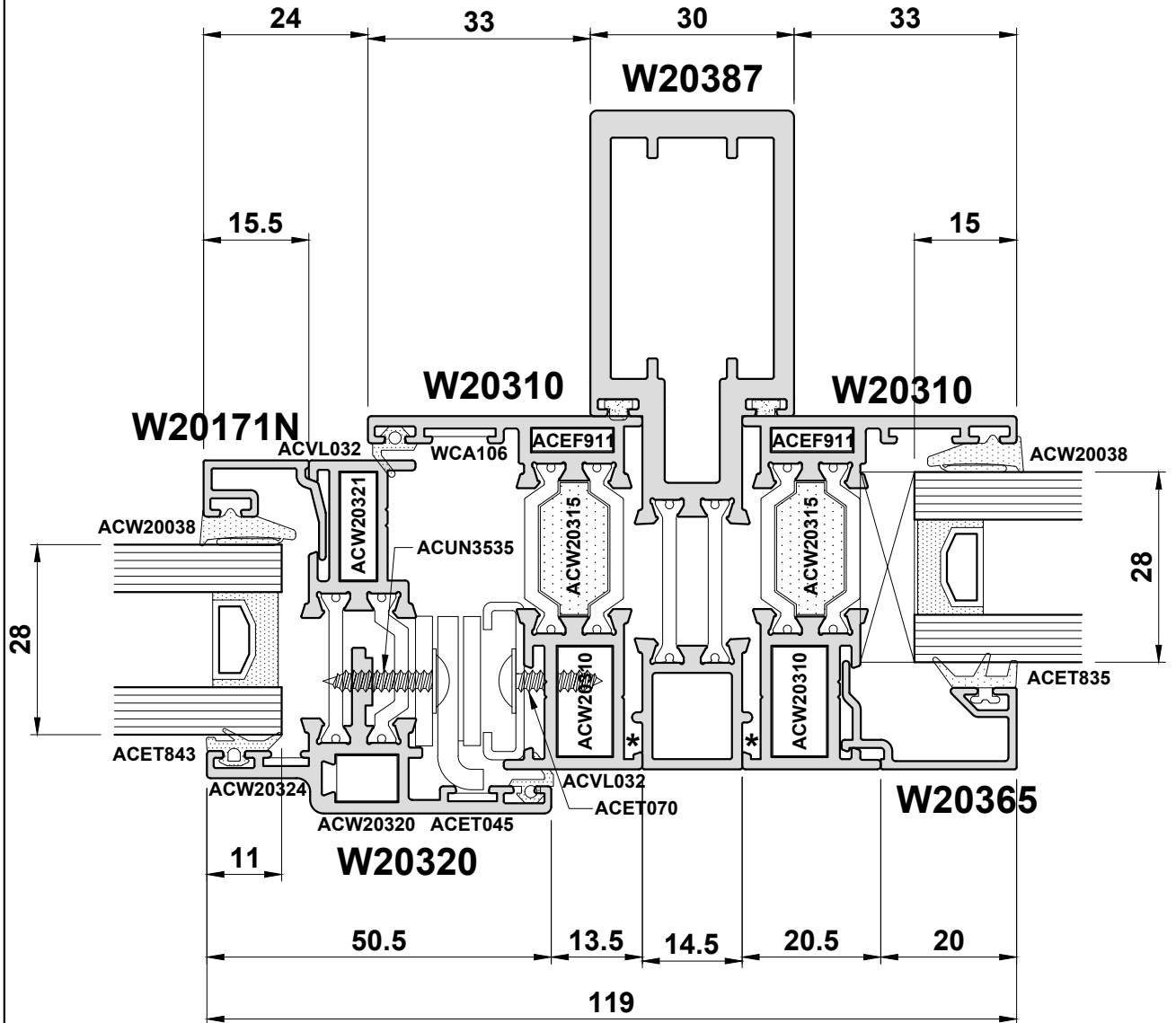
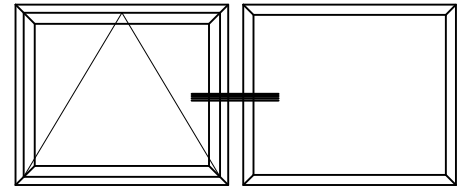
Detail 7



Coupler fixing not shown for clarity

Do Not Scale From This Drawing

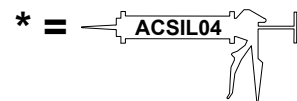
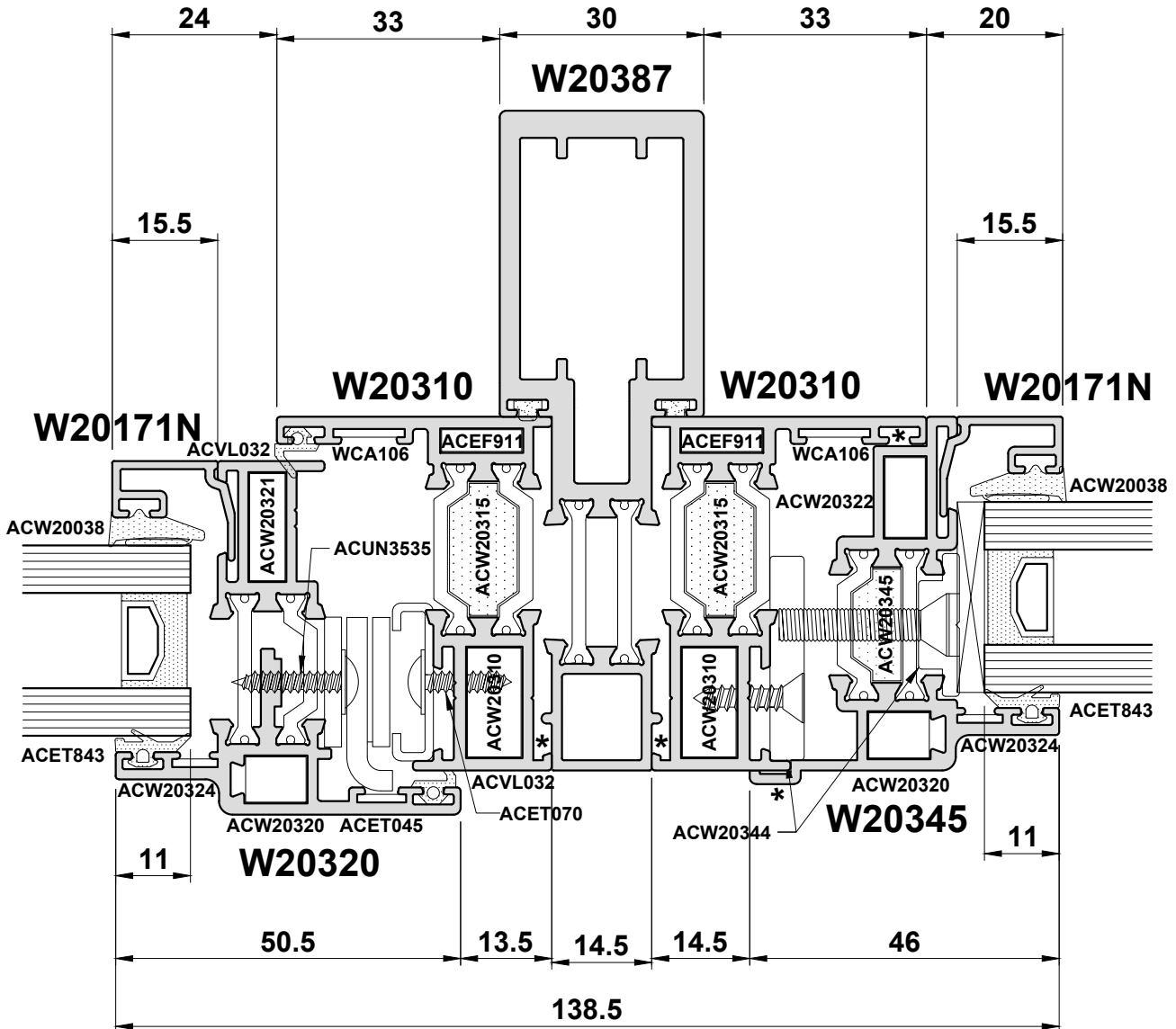
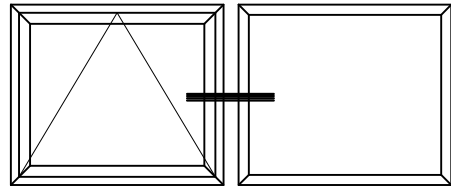
Detail 8A



Coupler fixing not shown for clarity

Do Not Scale From This Drawing

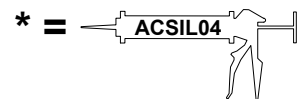
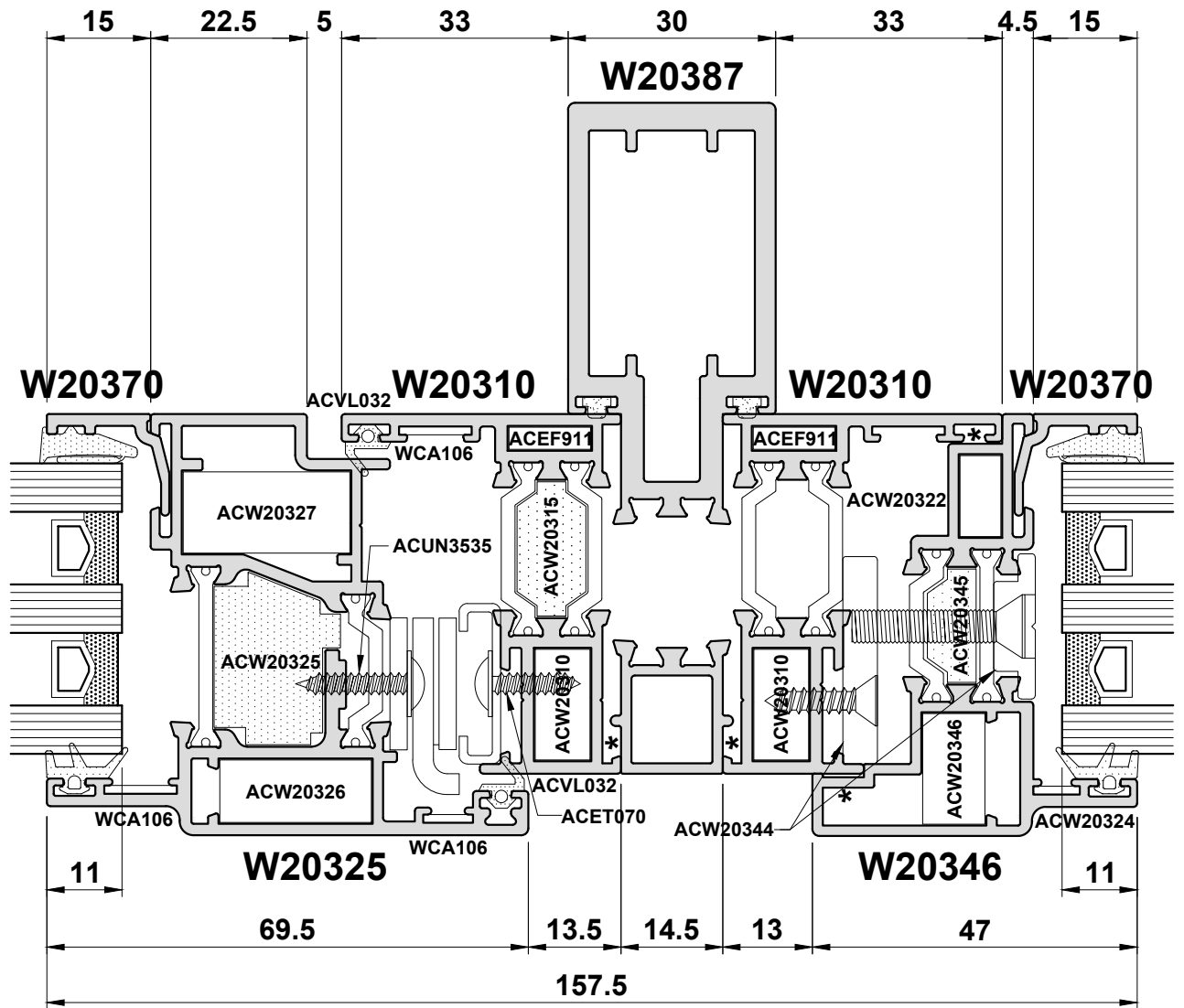
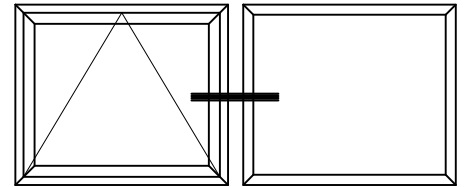
Detail 8B



Coupler fixing not shown for clarity

Do Not Scale From This Drawing

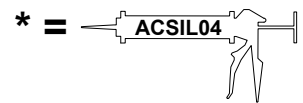
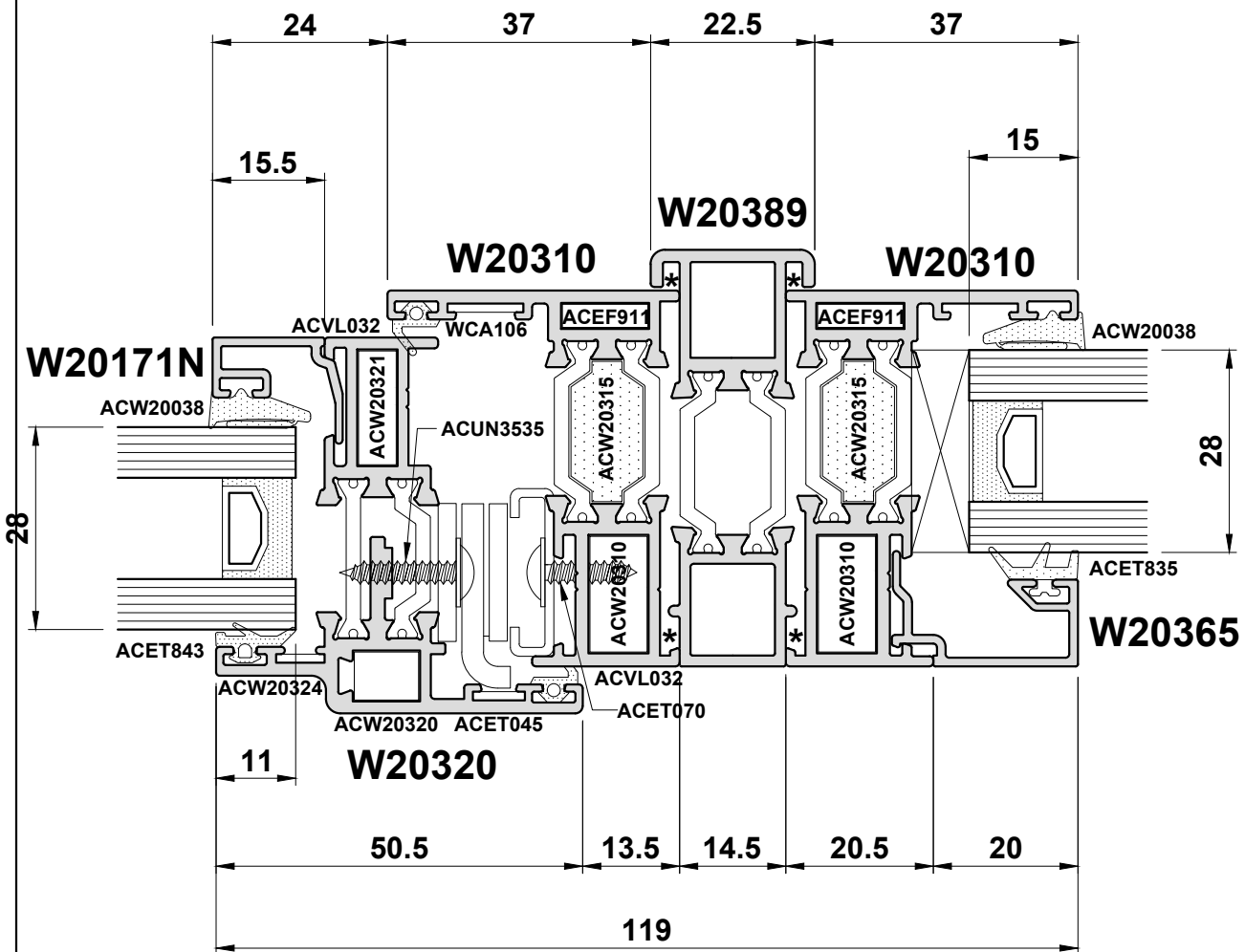
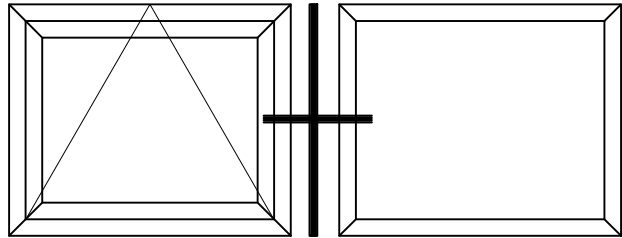
Detail 8C



Coupler fixing not shown for clarity

Do Not Scale From This Drawing

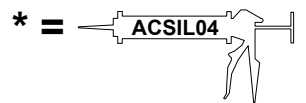
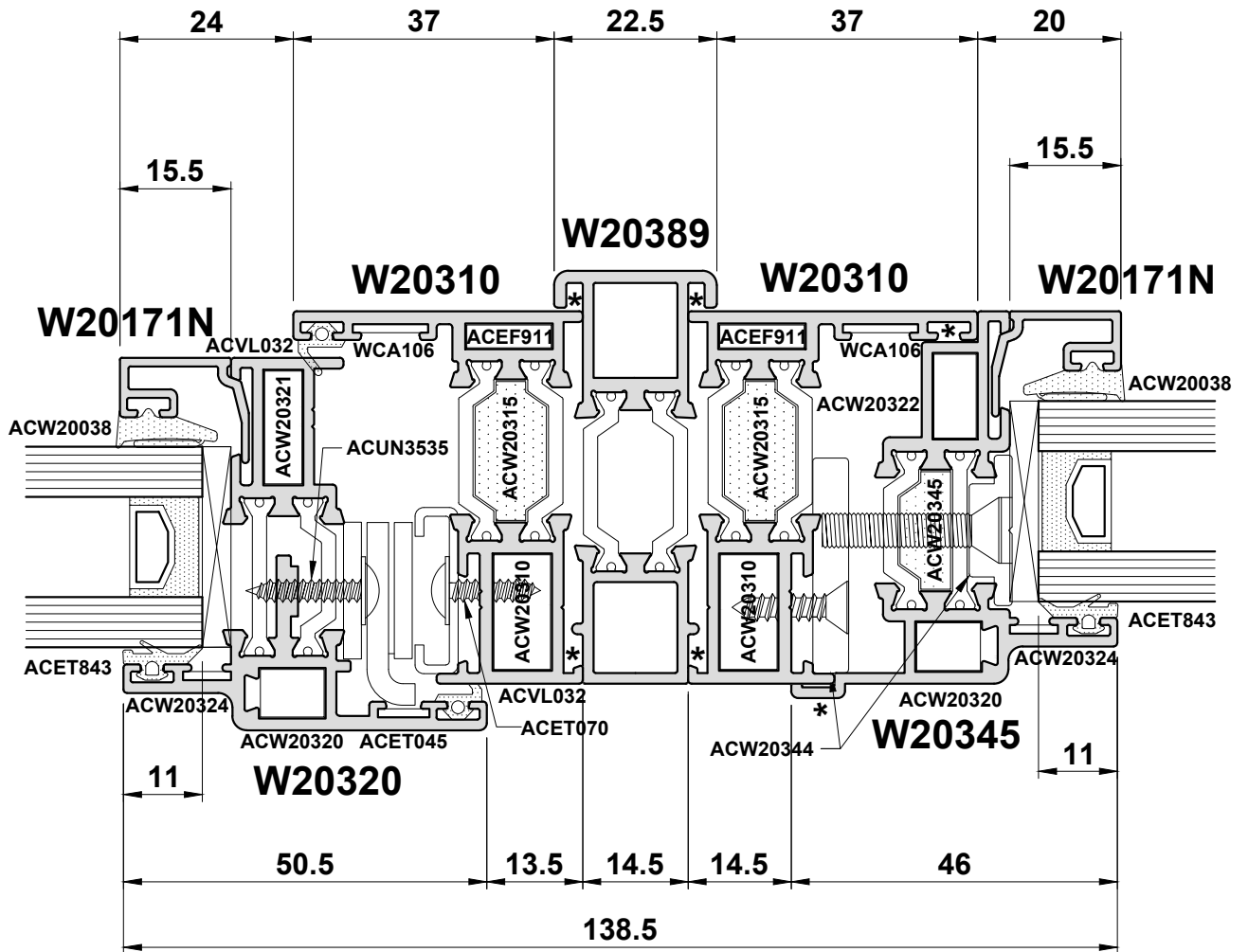
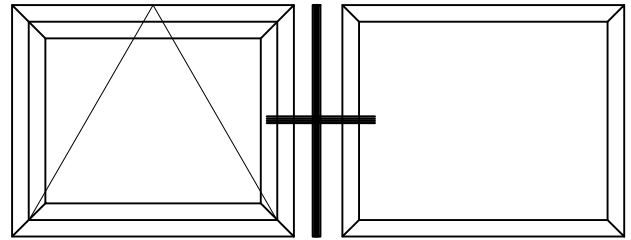
Detail 8D



Coupler fixing not shown for clarity

Do Not Scale From This Drawing

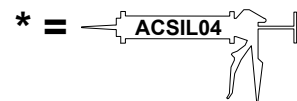
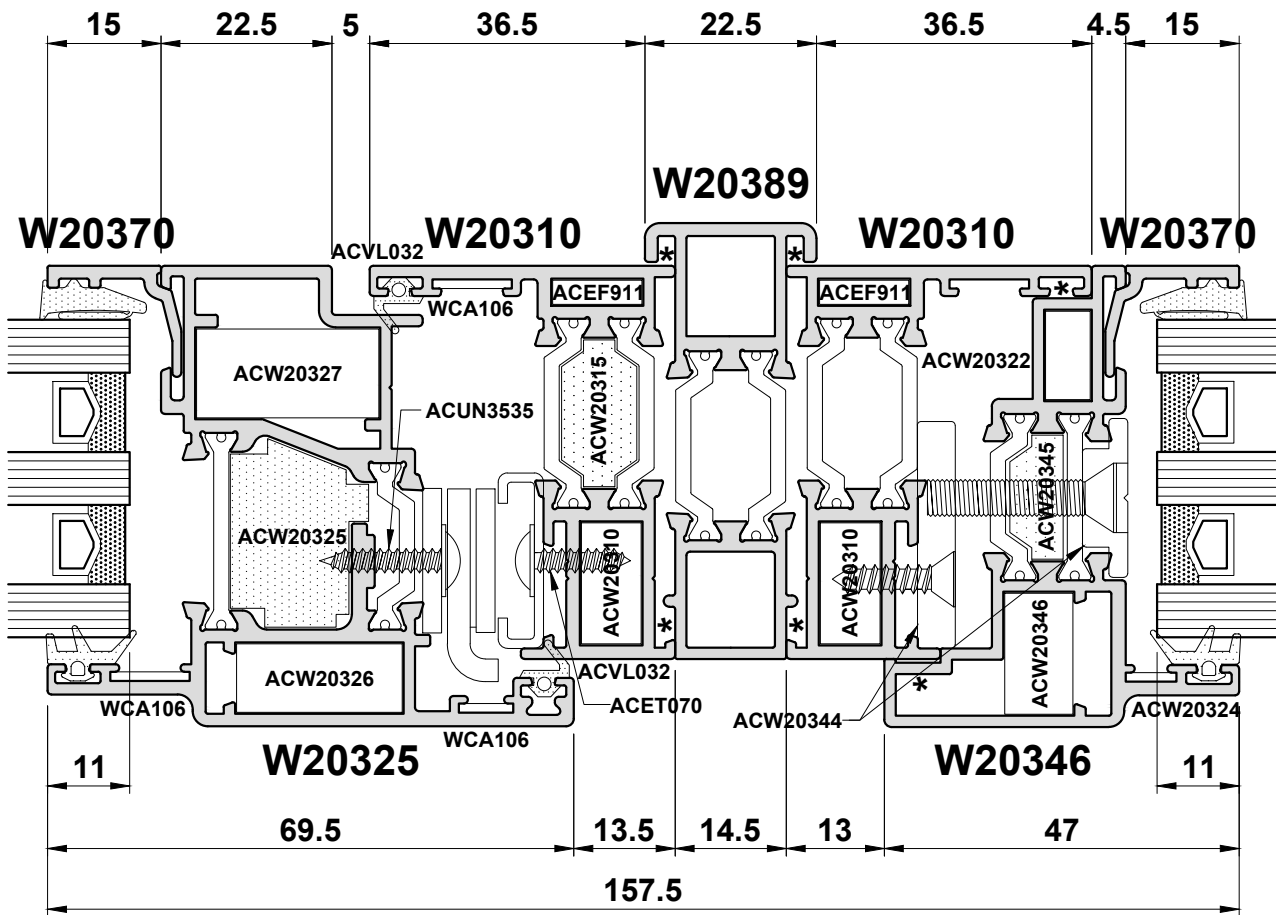
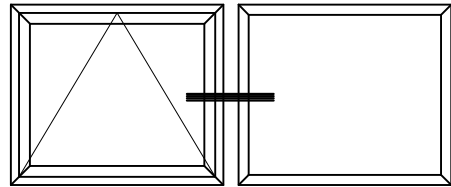
Detail 8E



Coupler fixing not shown for clarity

Do Not Scale From This Drawing

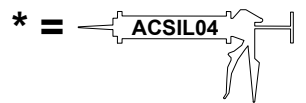
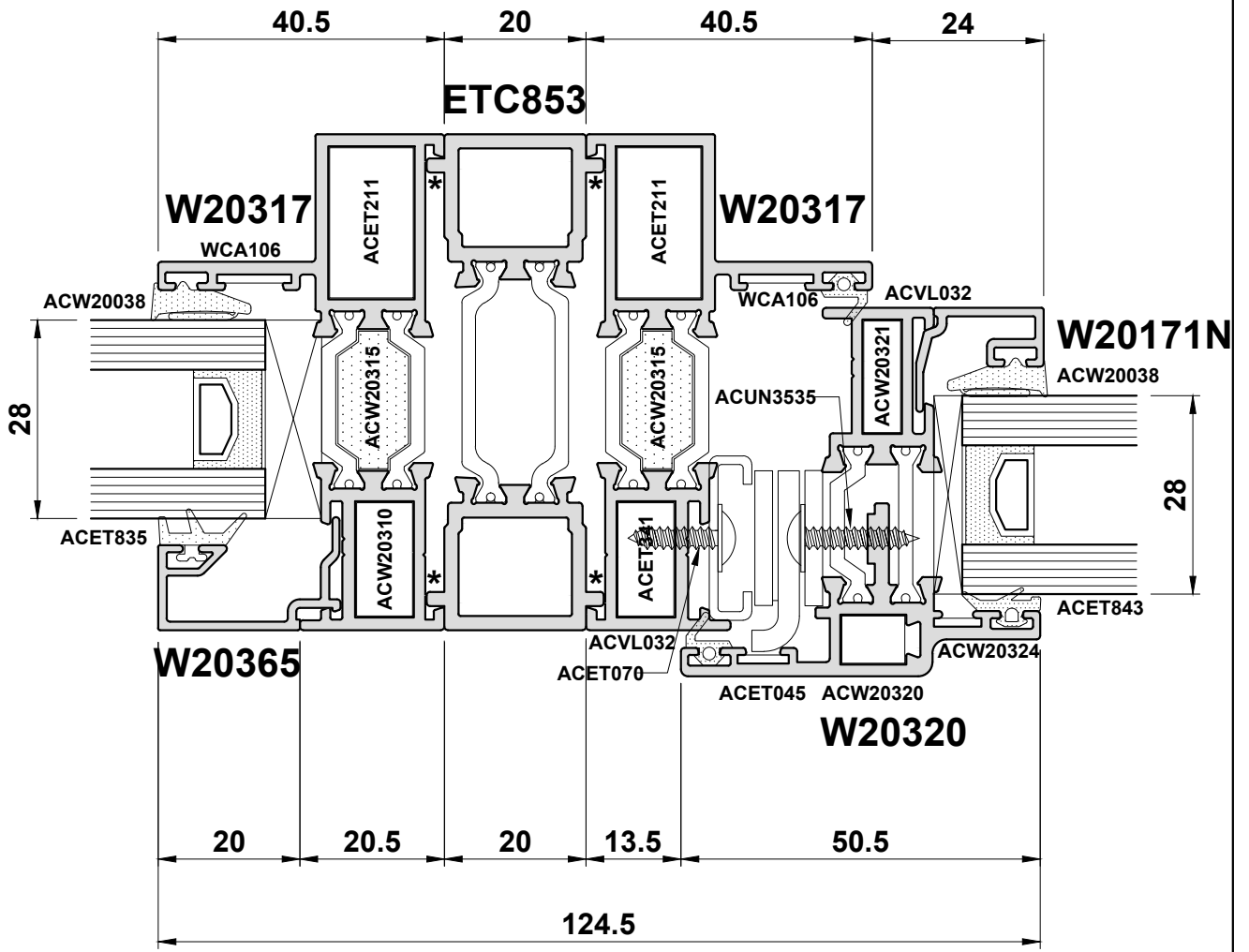
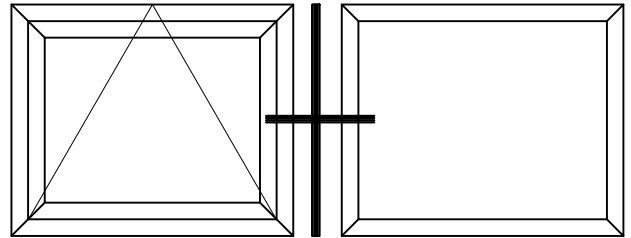
Detail 8F



Coupler fixing not shown for clarity

Do Not Scale From This Drawing

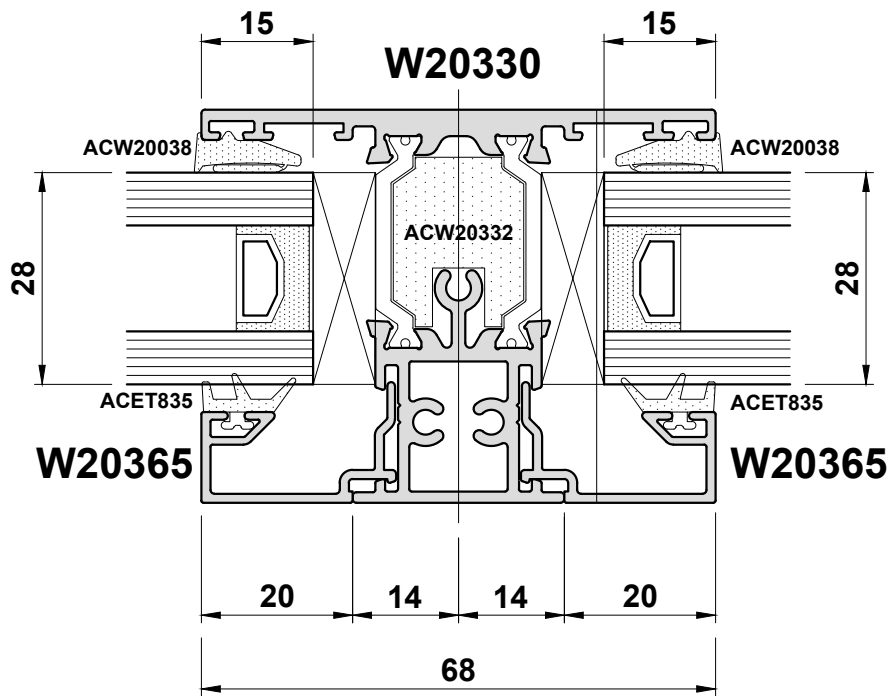
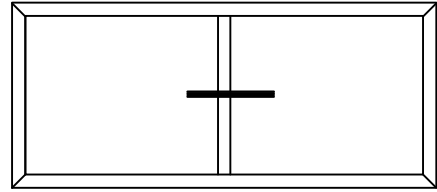
Detail 8G



Coupler fixing not shown for clarity

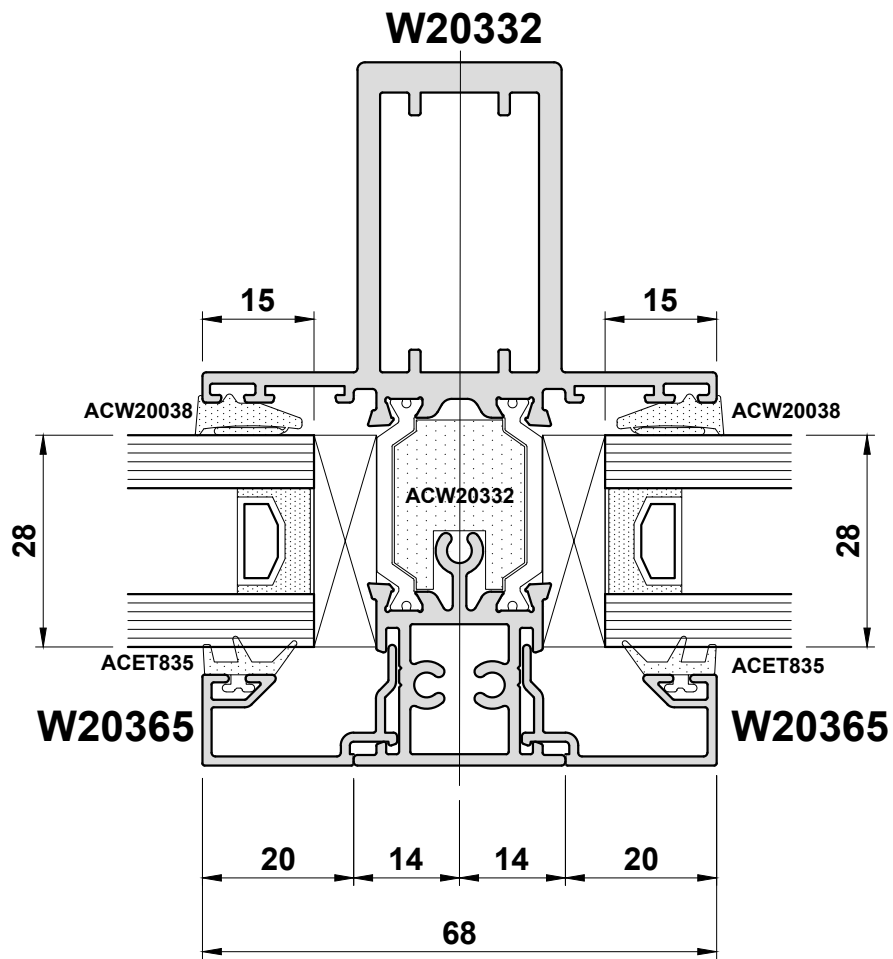
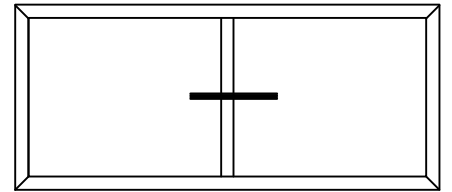
Do Not Scale From This Drawing

Detail 9A



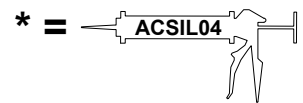
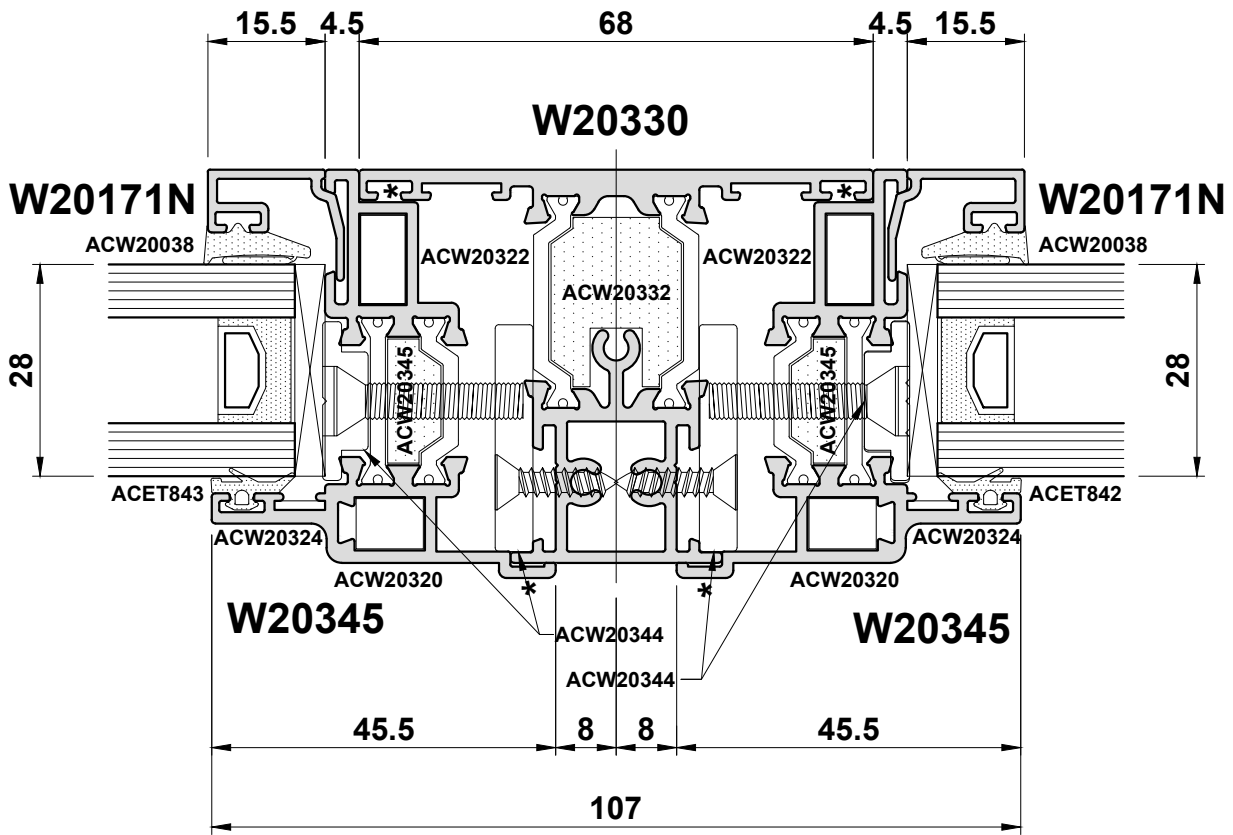
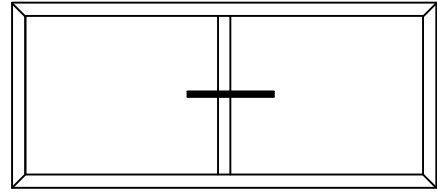
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Detail 9B



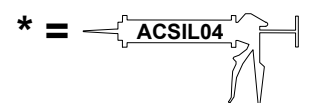
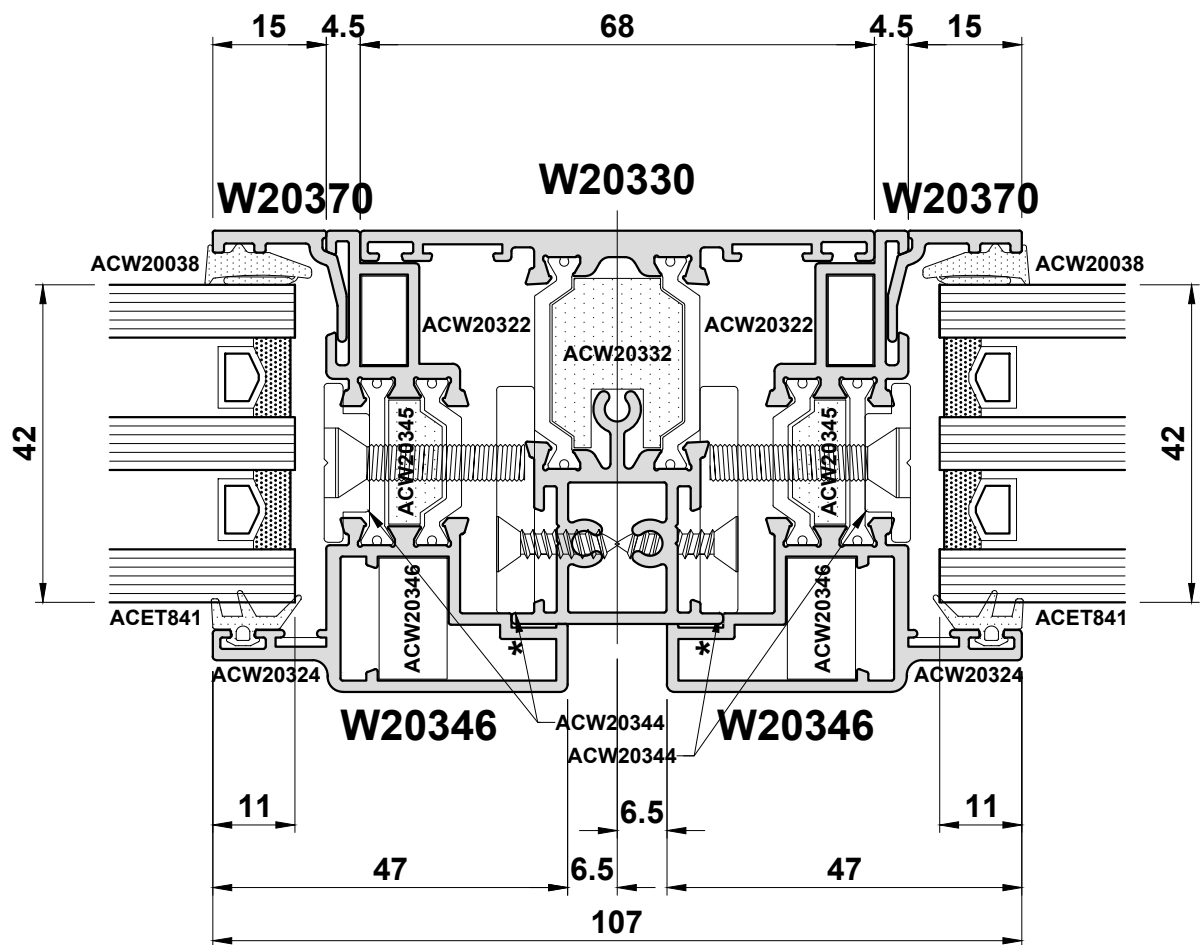
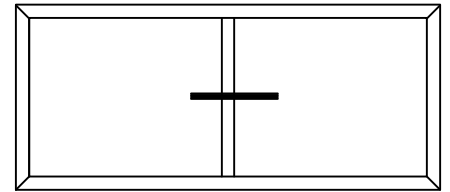
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Detail 9C



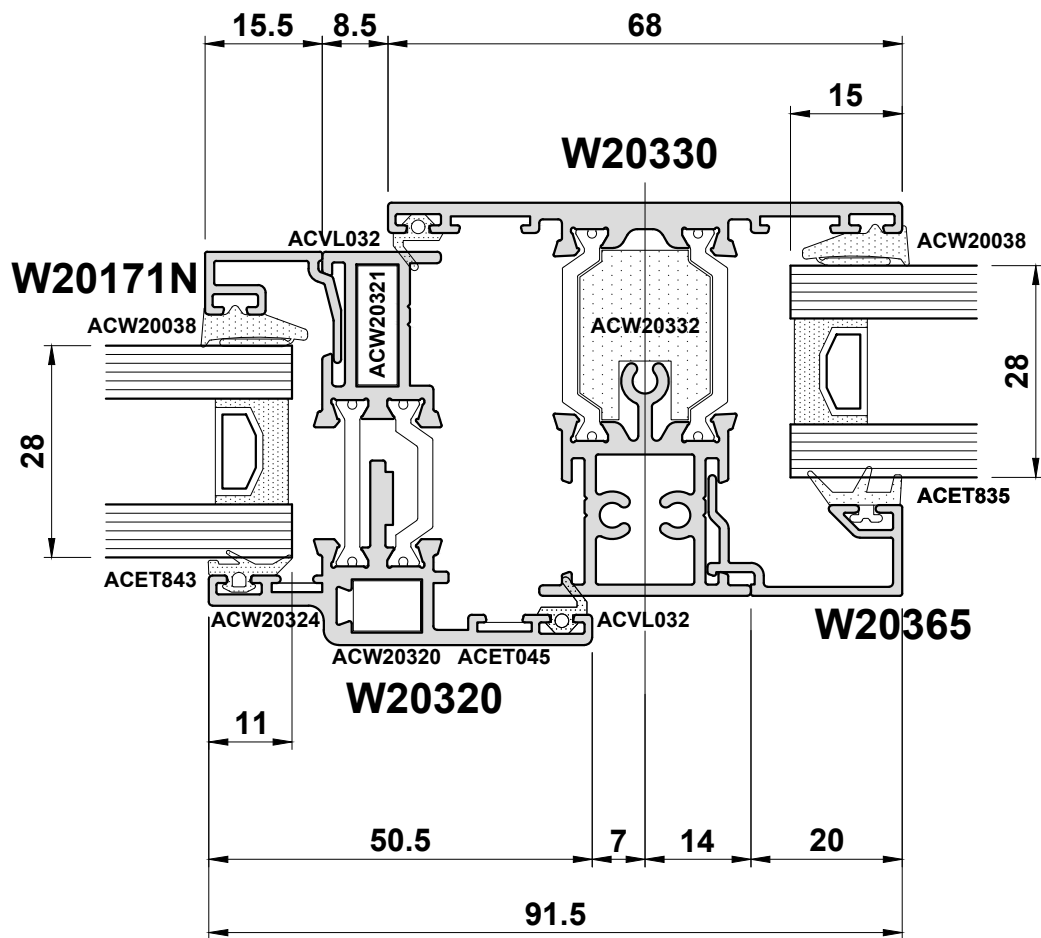
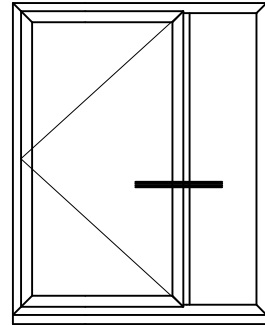
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Detail 9D



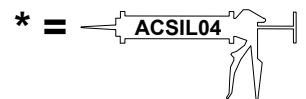
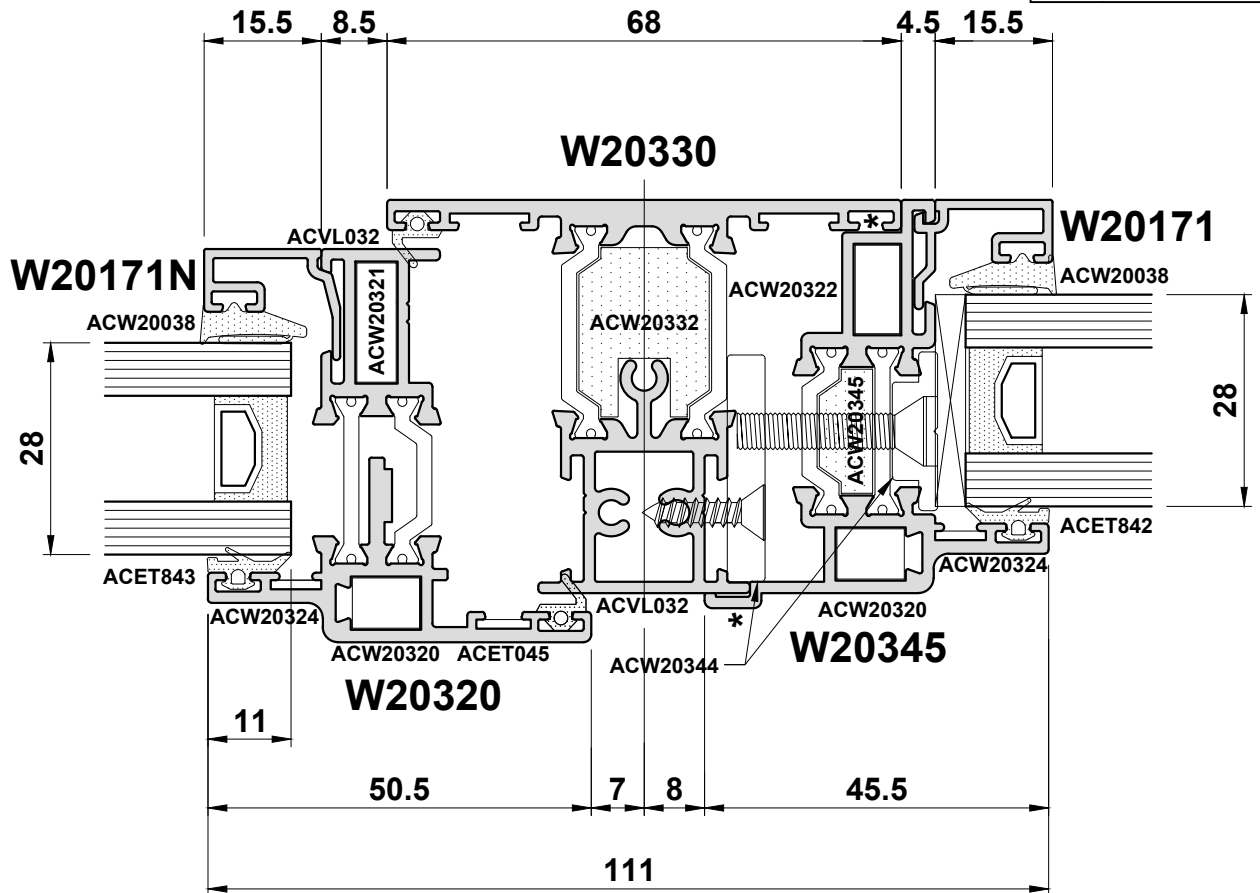
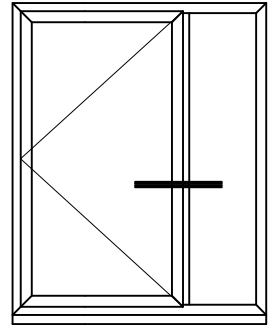
Do Not Scale From This Drawing

Detail 10A



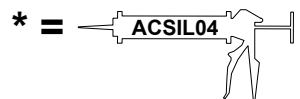
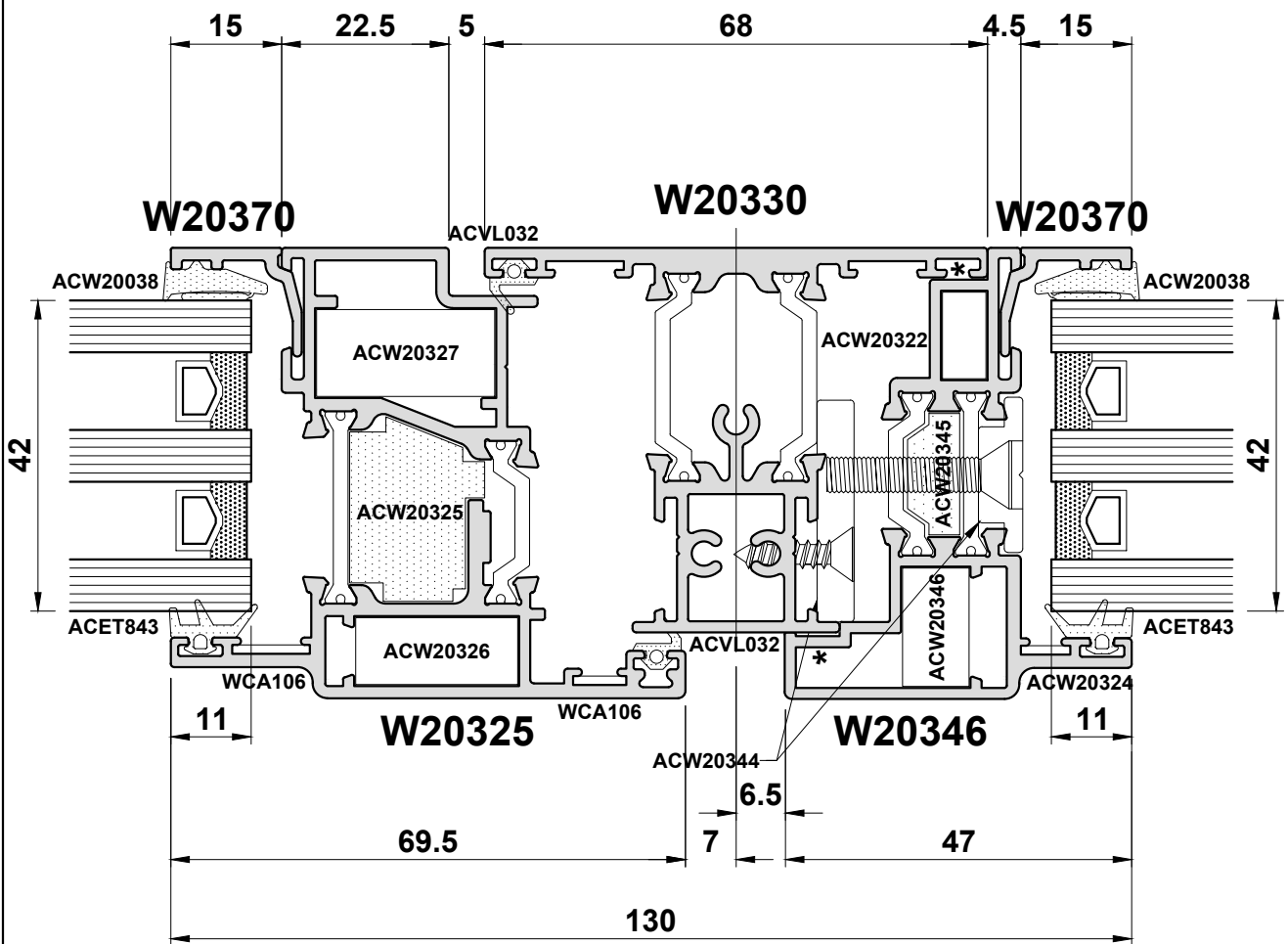
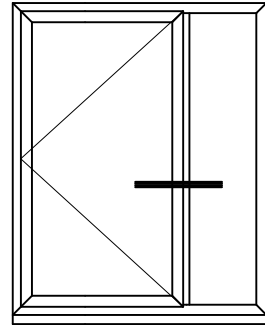
Do Not Scale From This Drawing

Detail 10B



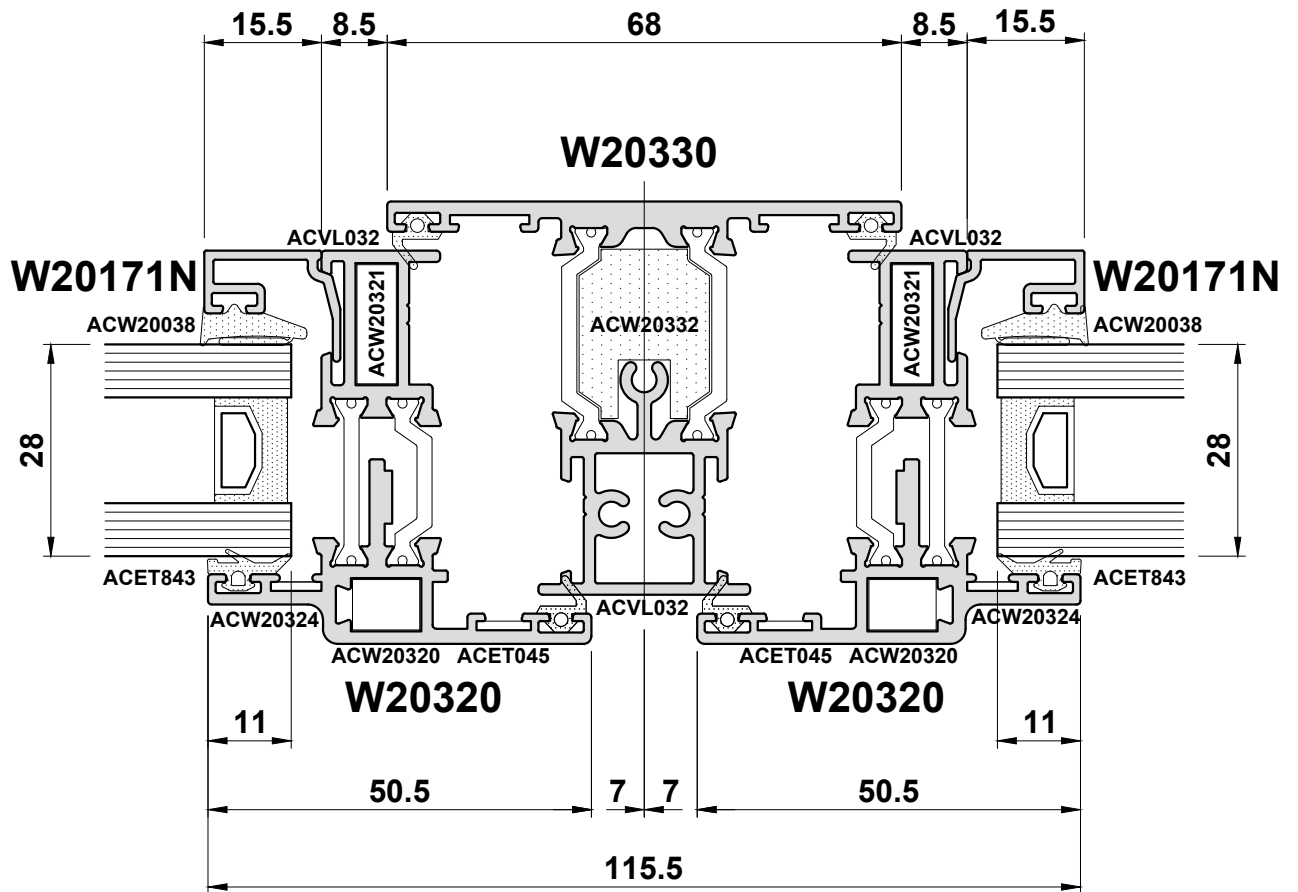
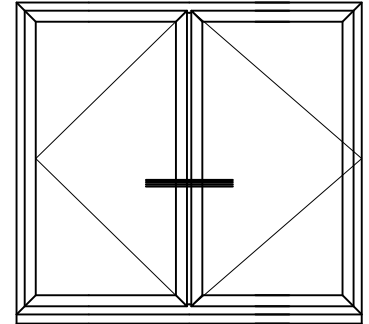
Do Not Scale From This Drawing

Detail 10C



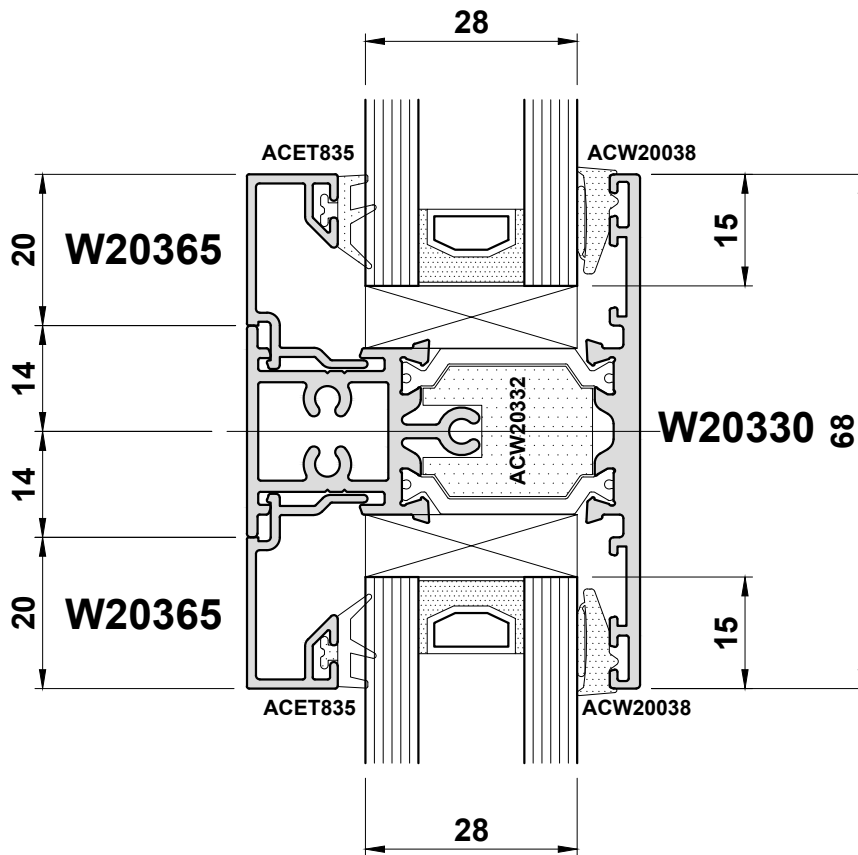
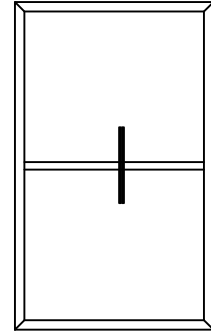
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Detail 11



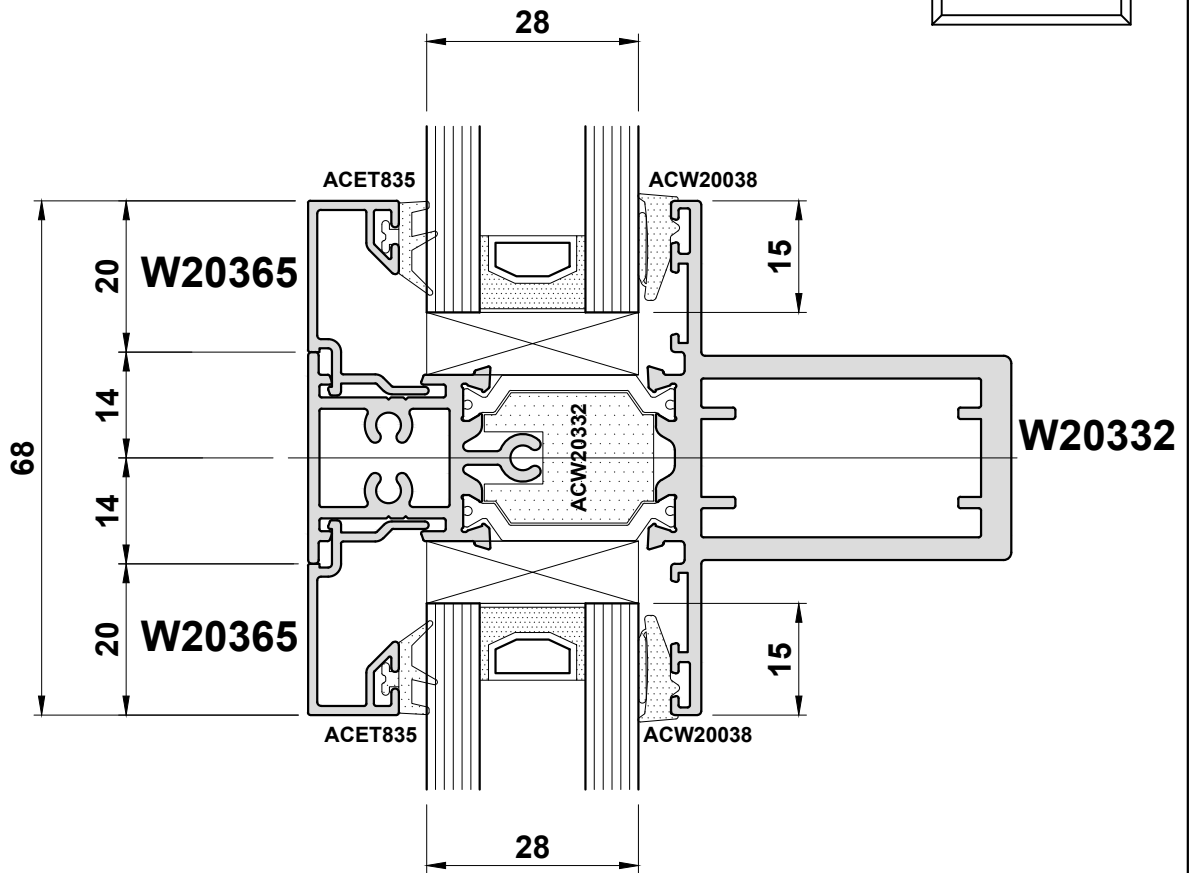
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Detail 12A



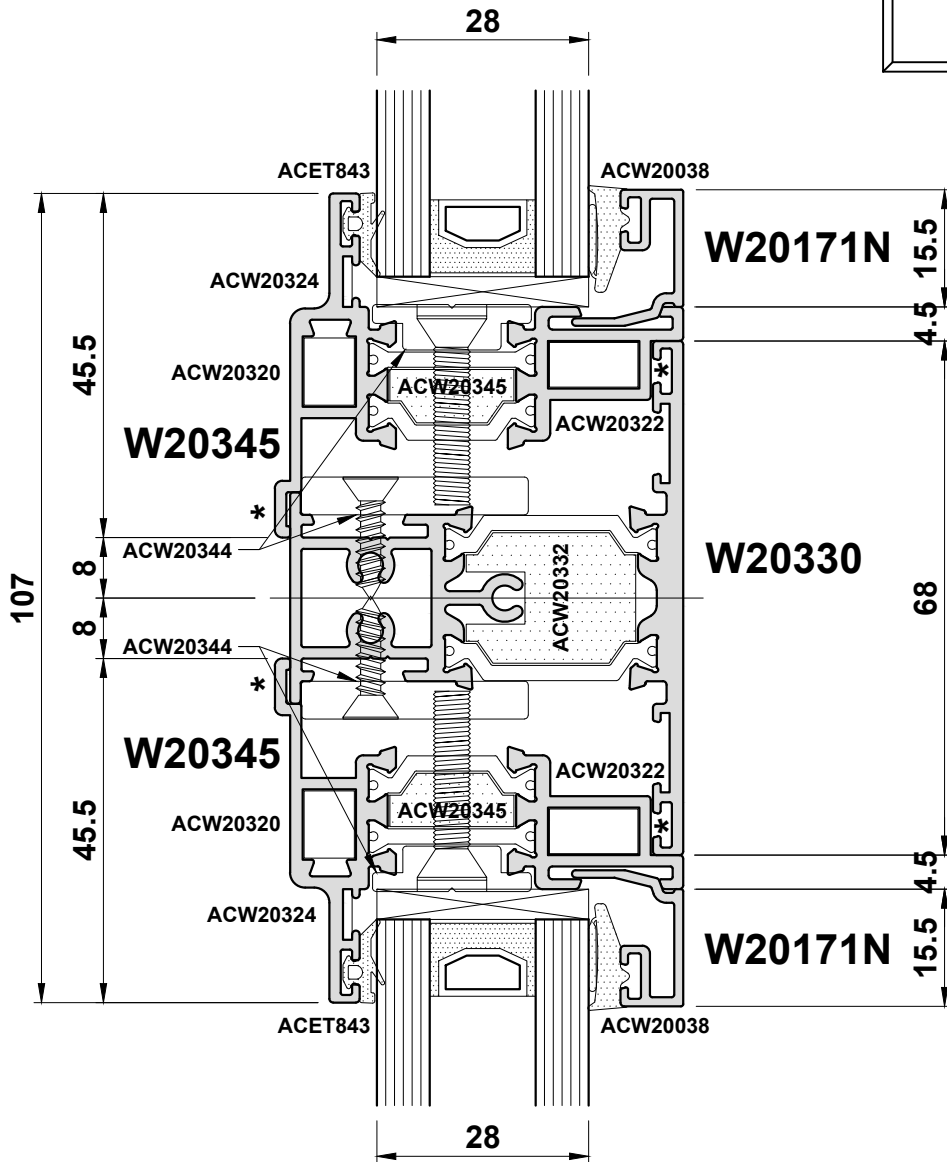
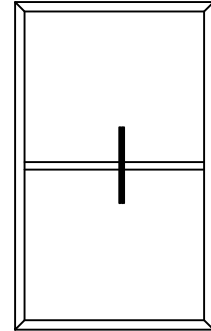
Do Not Scale From This Drawing

Detail 12B



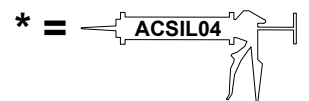
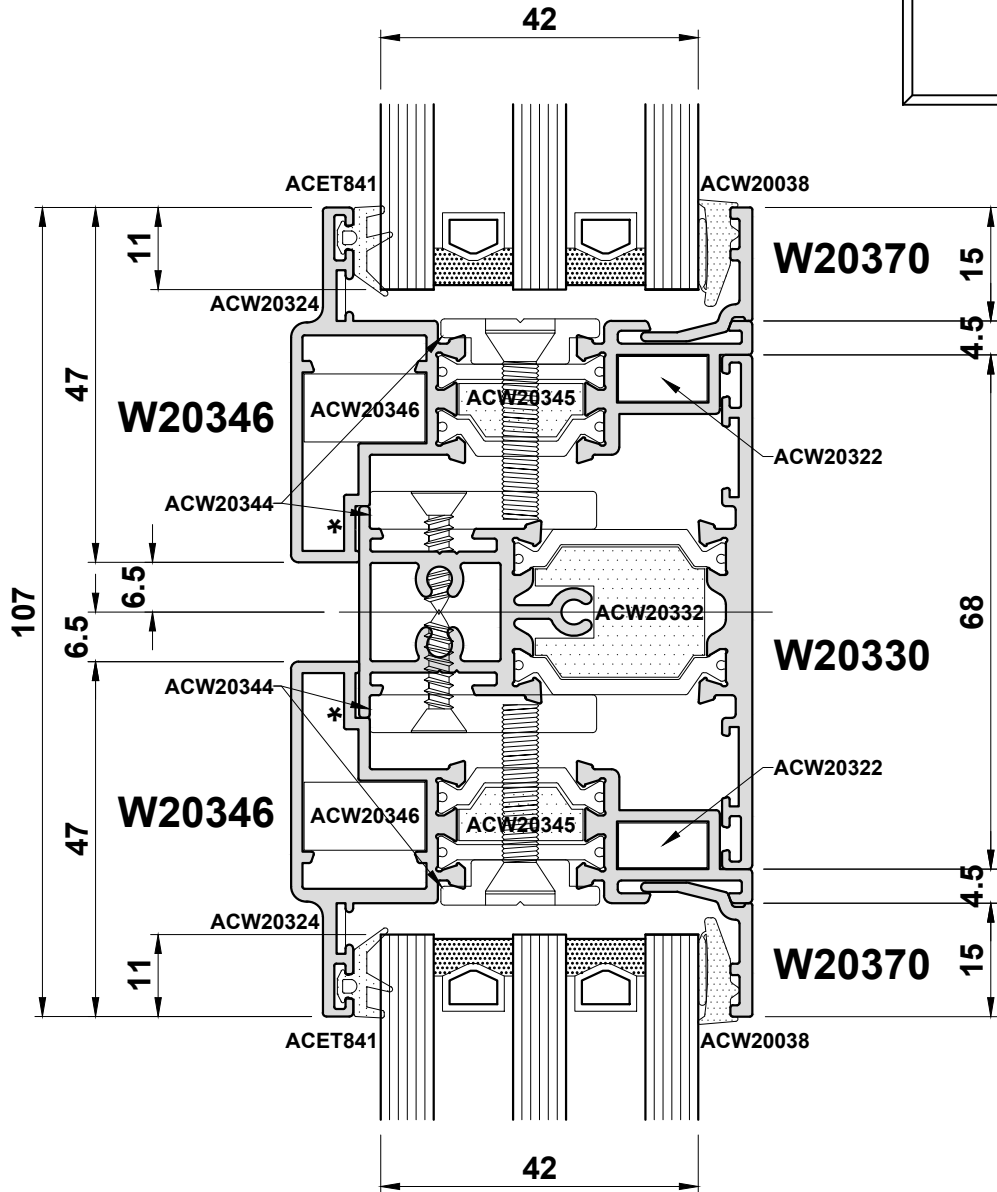
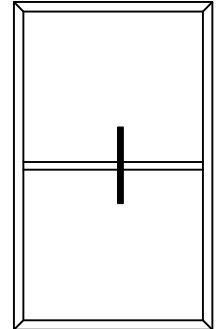
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Detail 12C



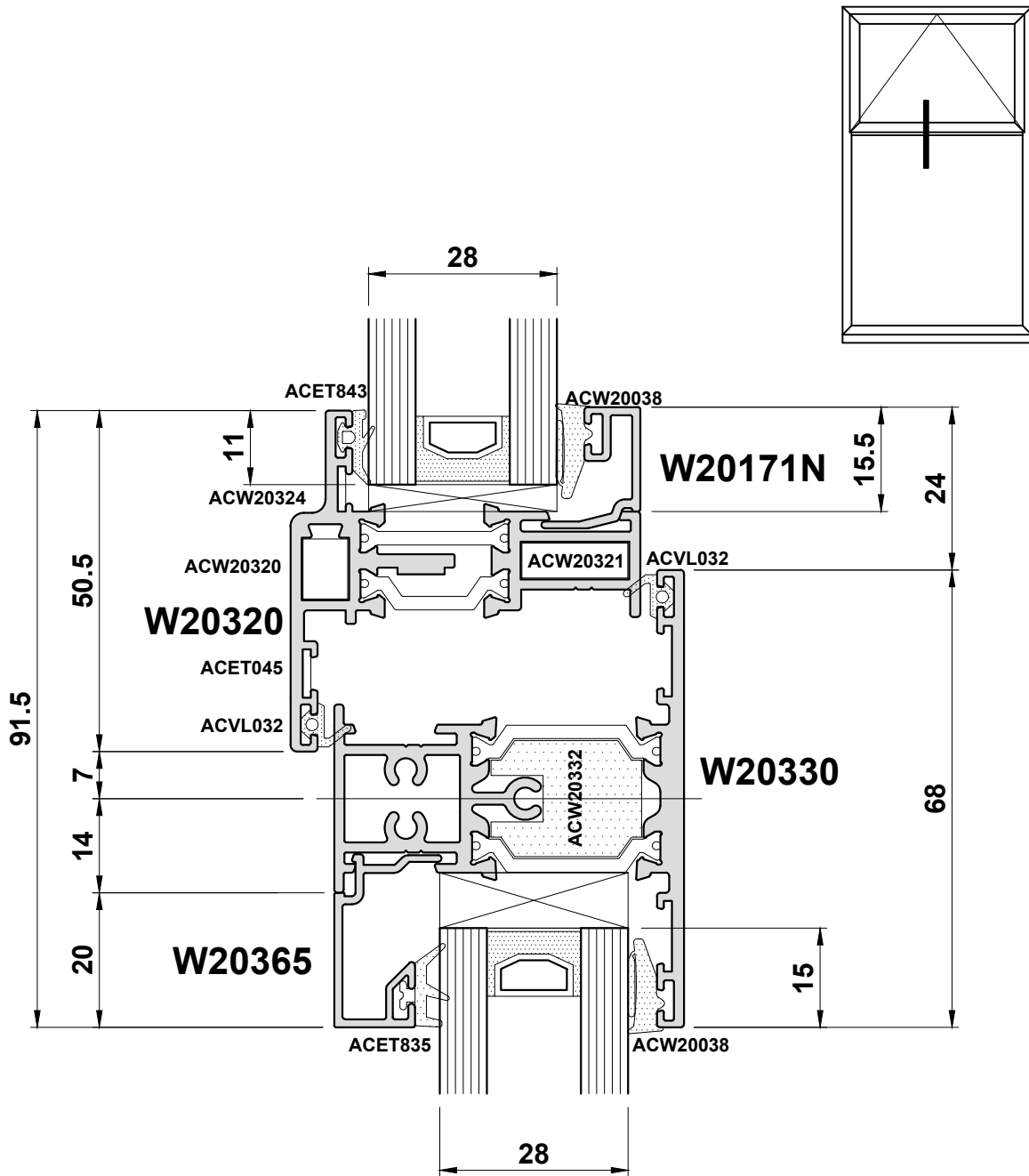
Do Not Scale From This Drawing

Detail 12D



Do Not Scale From This Drawing

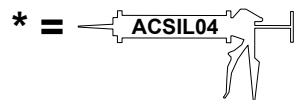
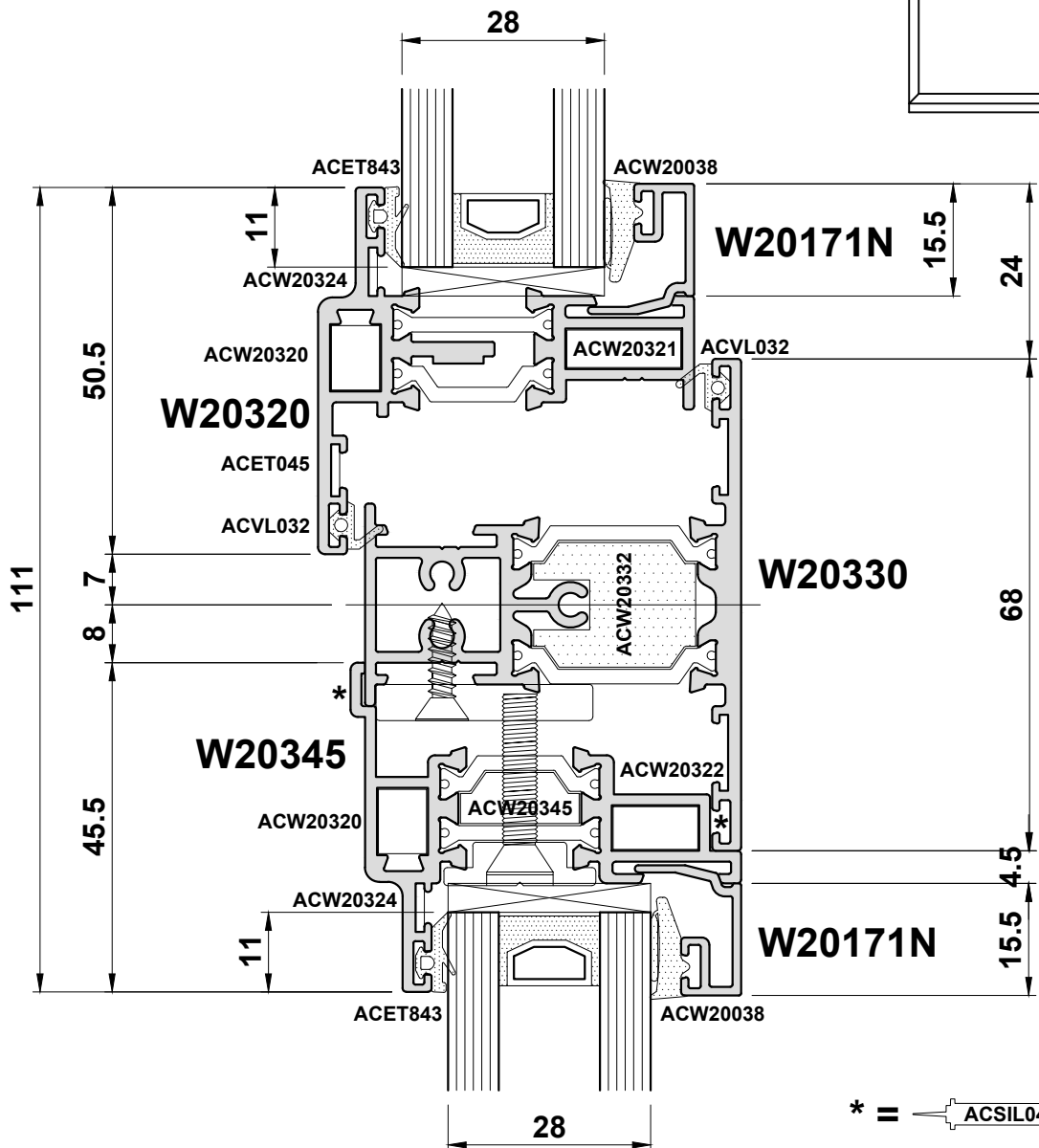
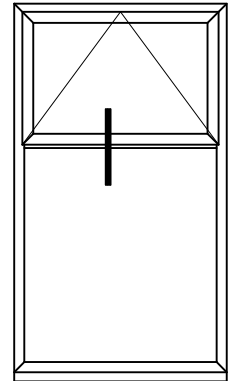
Detail 13A



Note: Transoms will drain through the join to the outerframe.

Do Not Scale From This Drawing

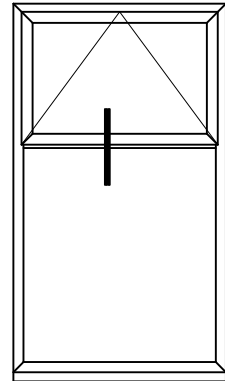
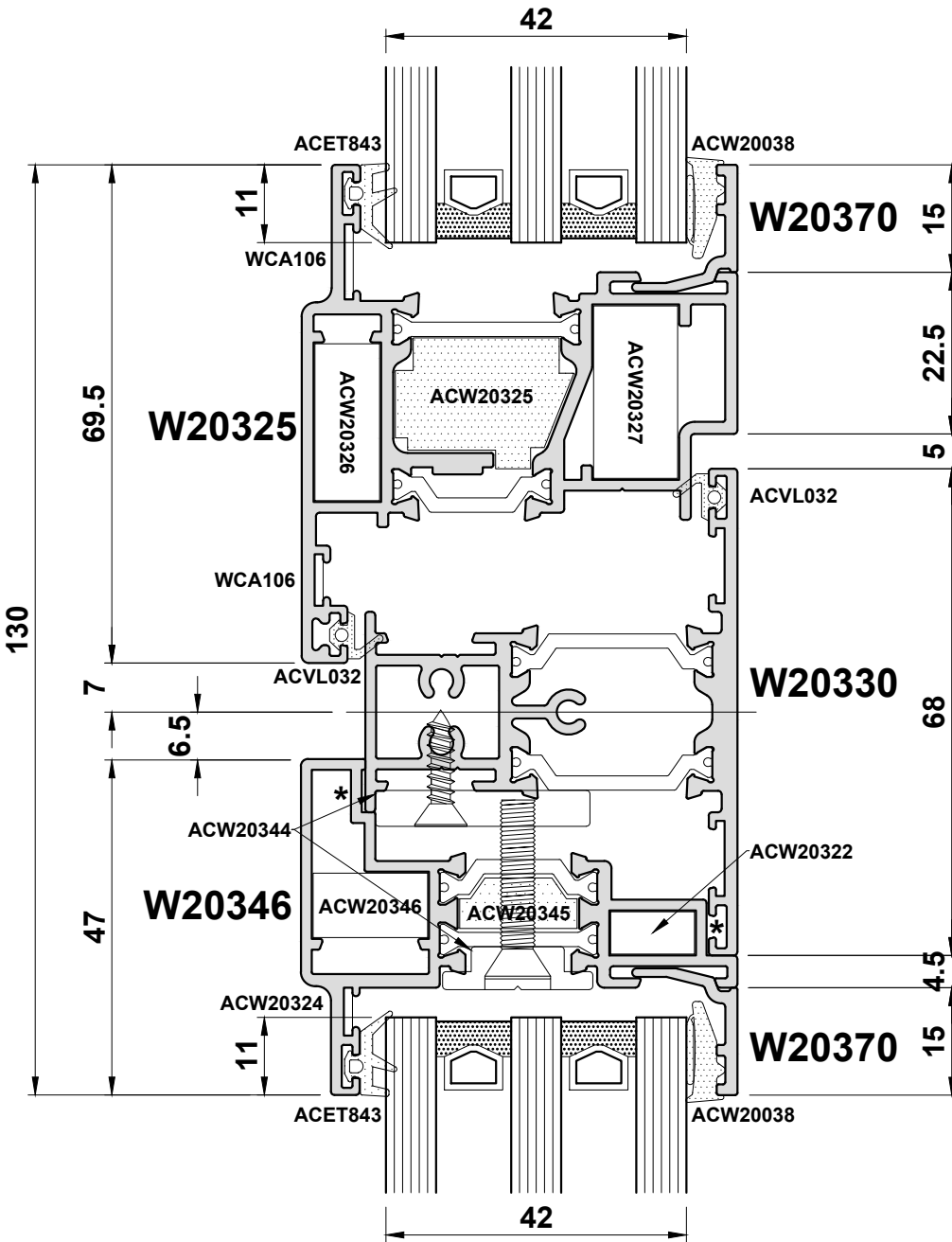
Detail 13B



Note: Transoms will drain through the join to the outerframe.

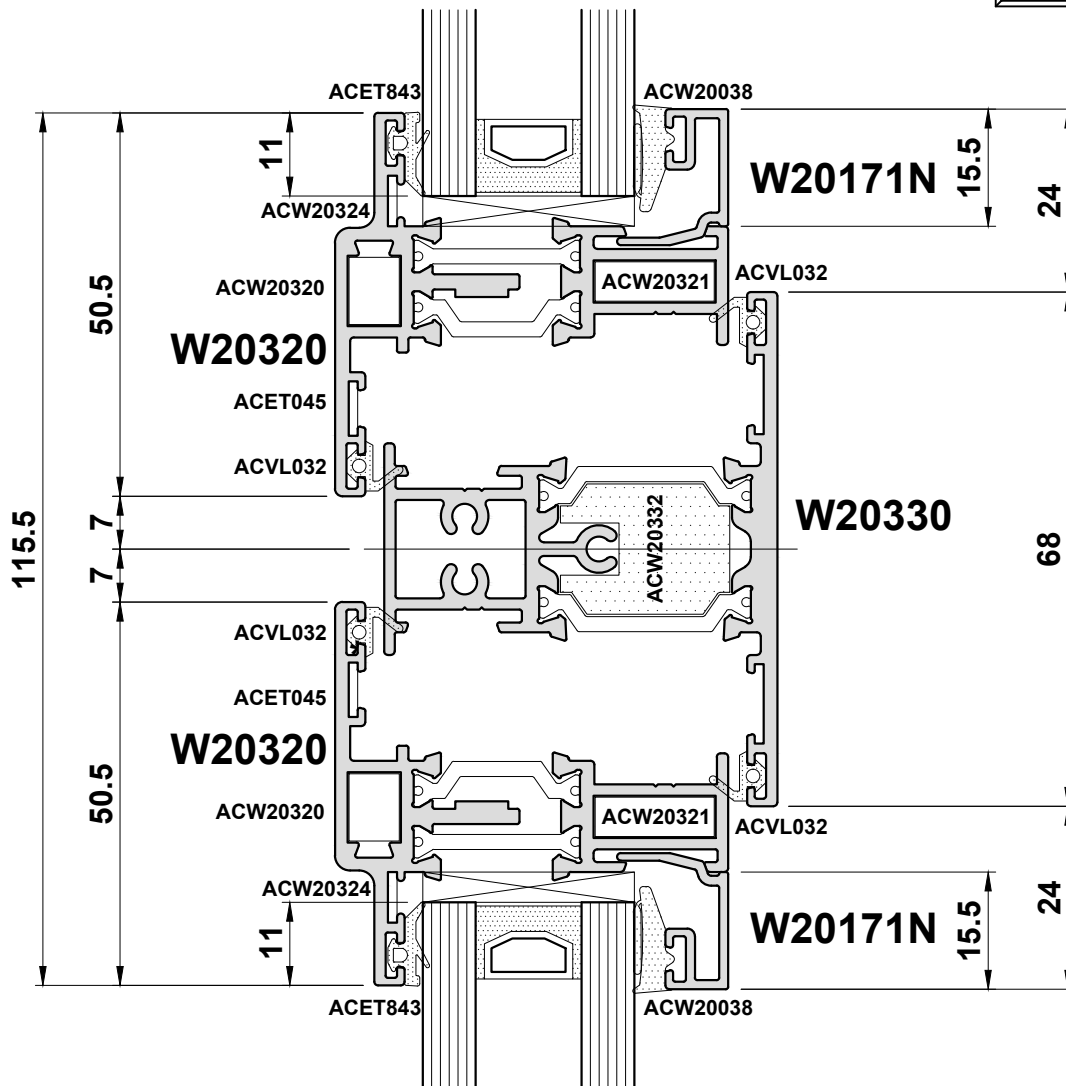
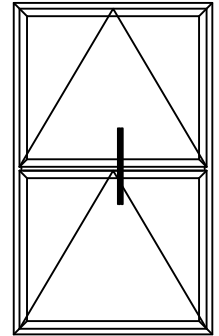
Do Not Scale From This Drawing

Detail 13C



Do Not Scale From This Drawing

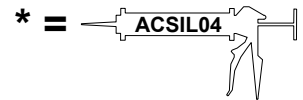
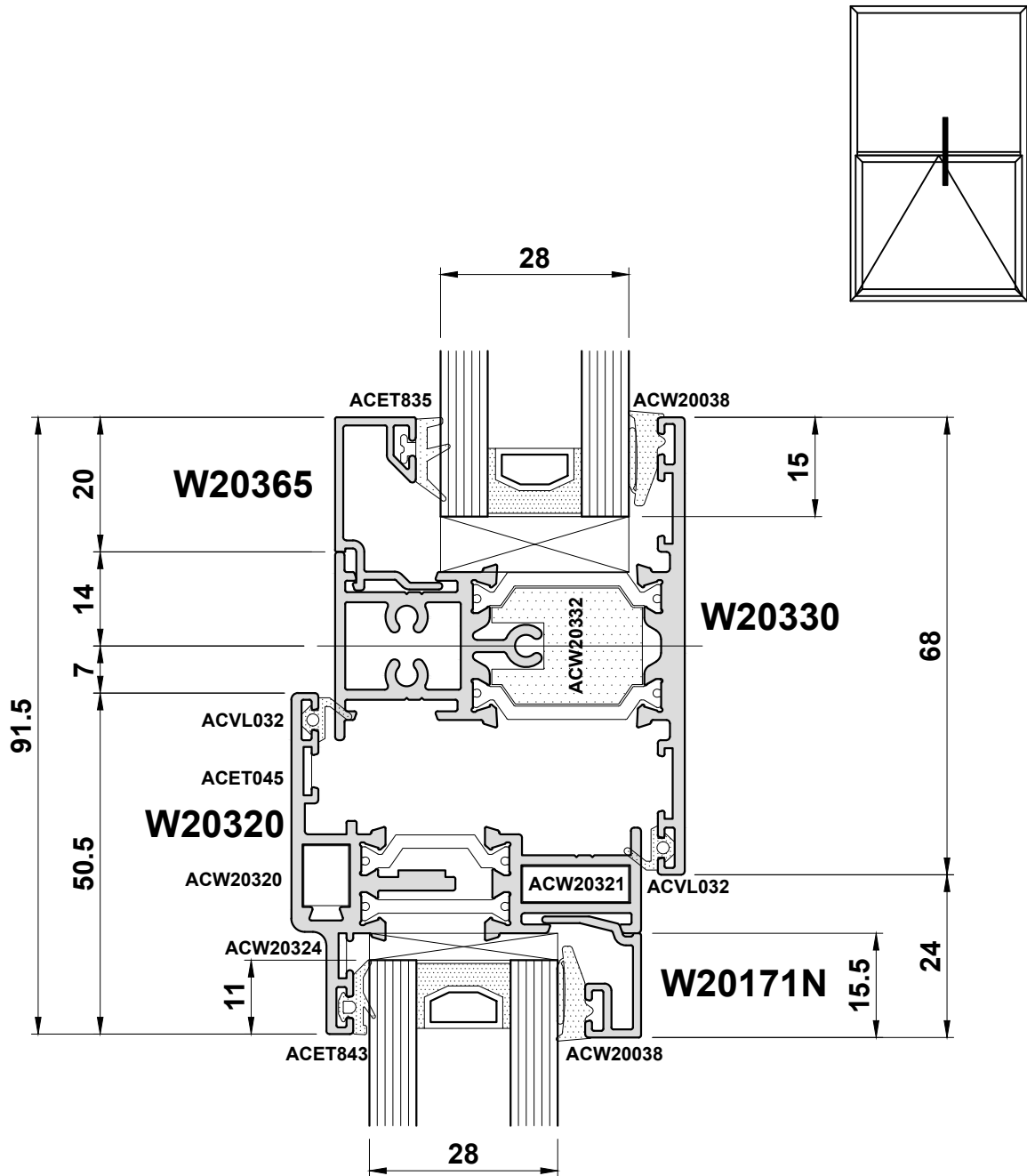
Detail 14



Note: Transoms will drain through the join to the outerframe.

Do Not Scale From This Drawing

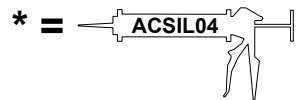
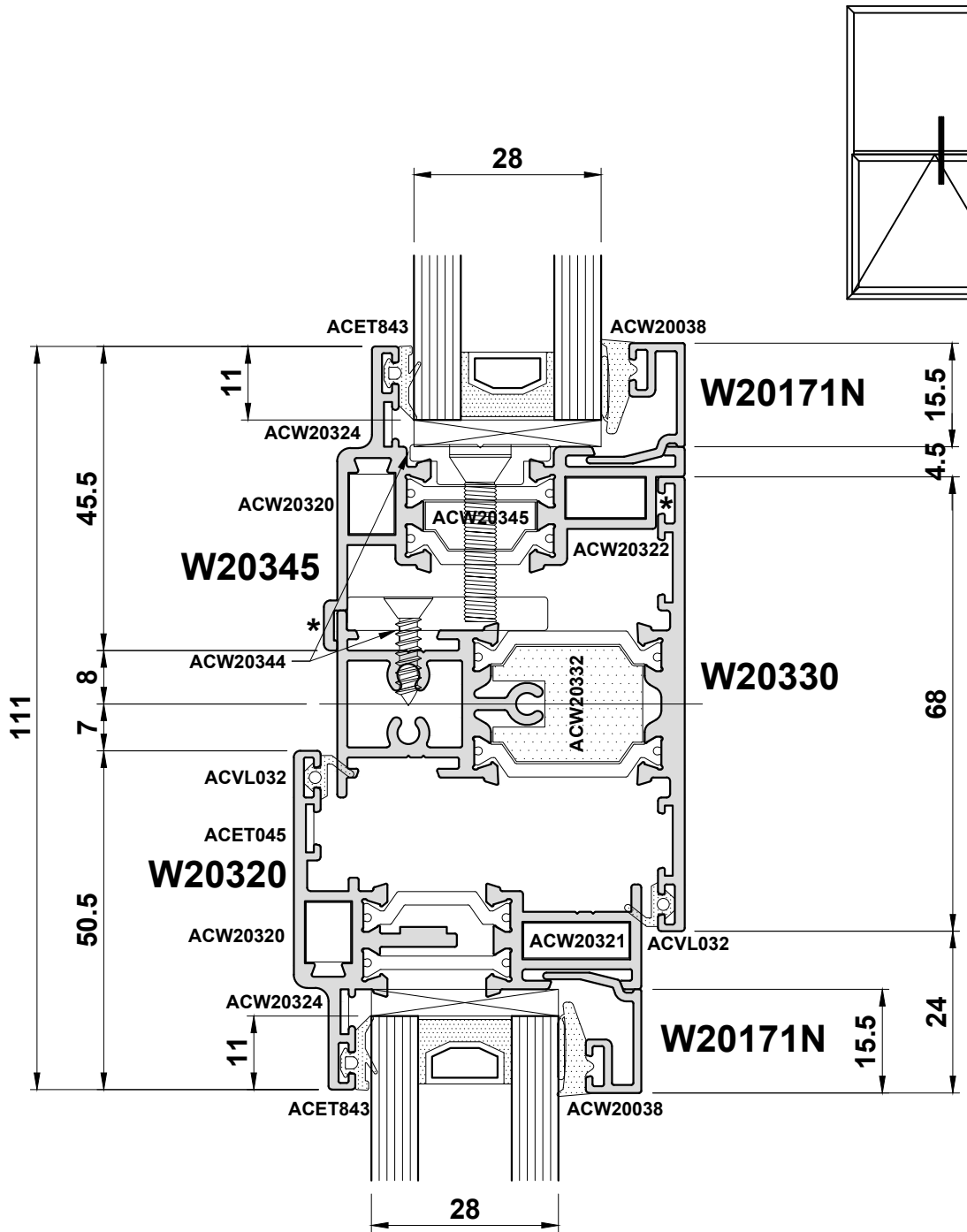
Detail 15A



Note: Transoms will drain through the joint to the outerframe.

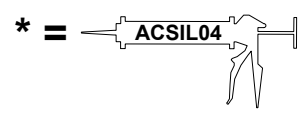
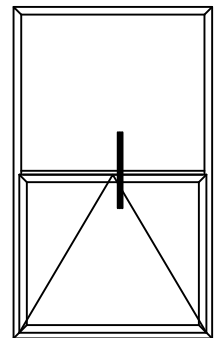
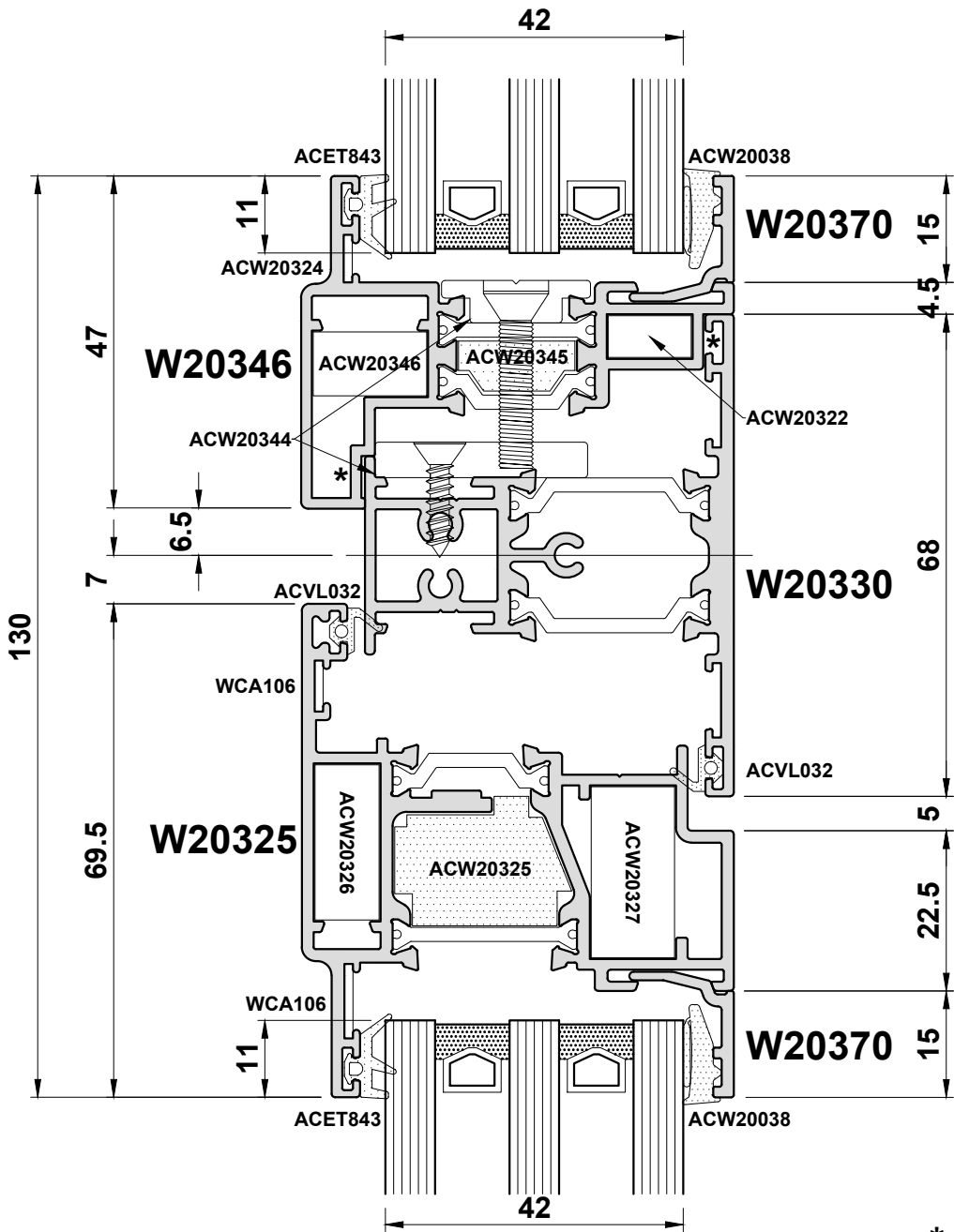
Do Not Scale From This Drawing

Detail 15B



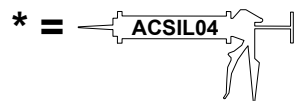
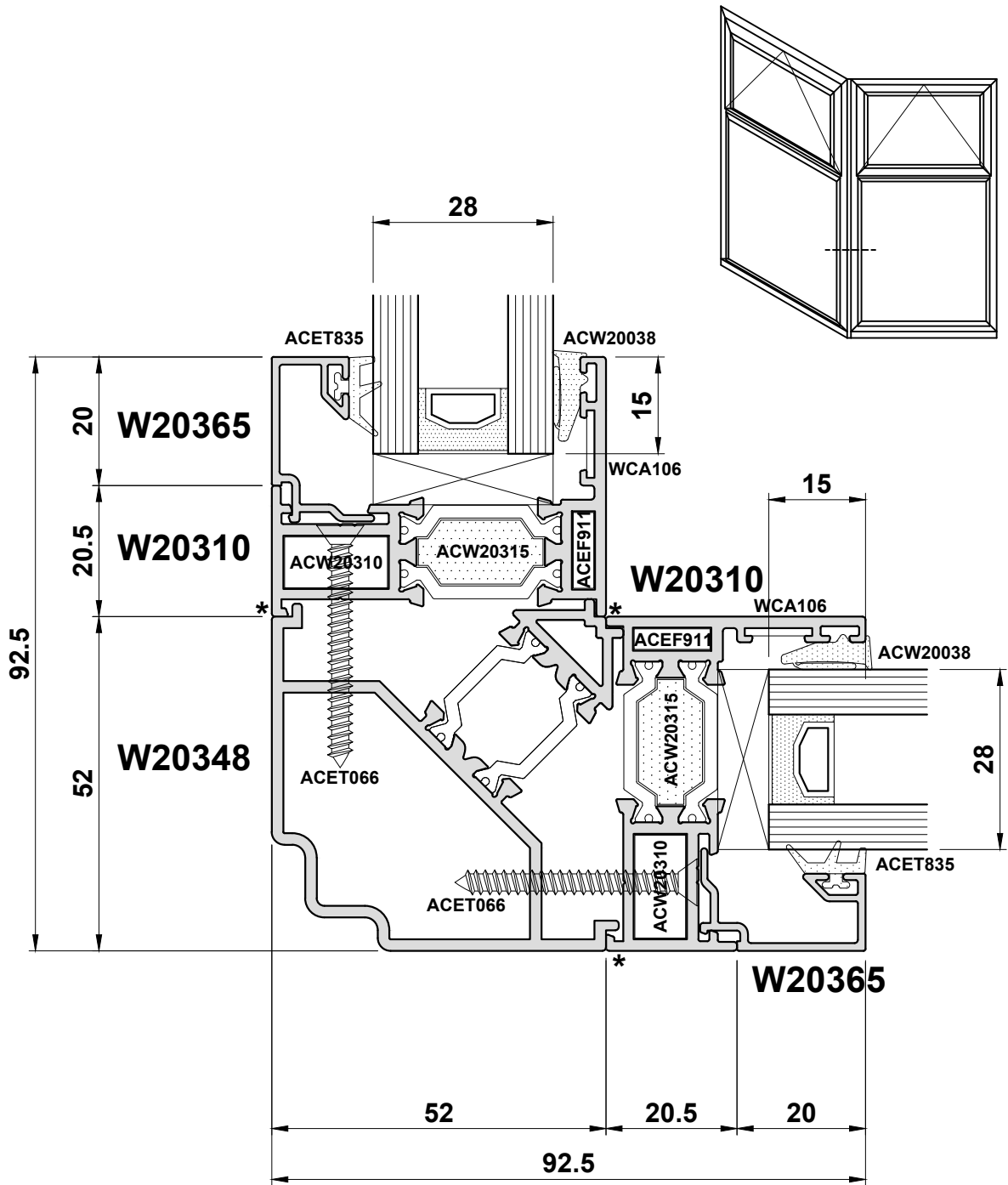
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Detail 15C



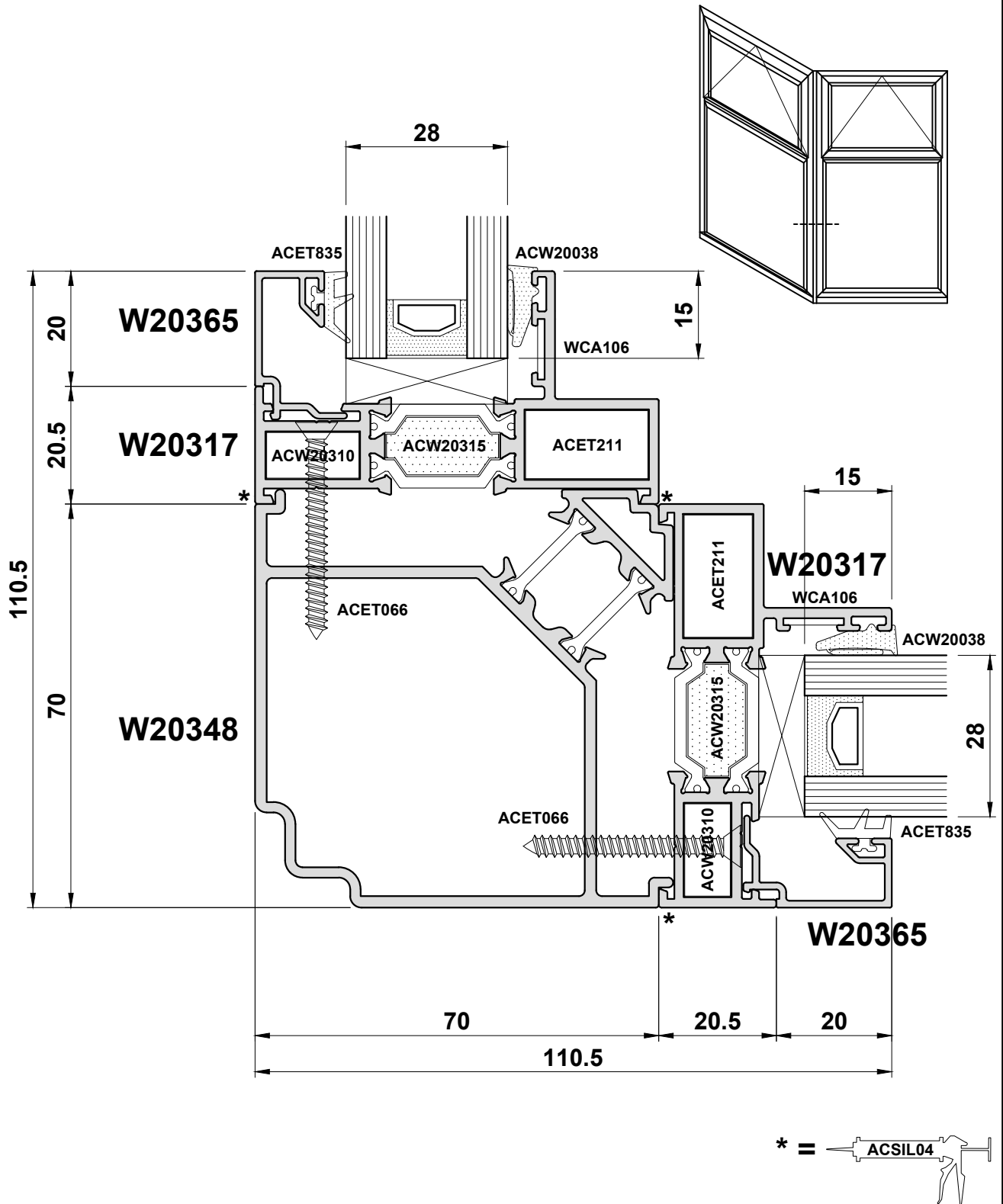
Do Not Scale From This Drawing

Detail 16A

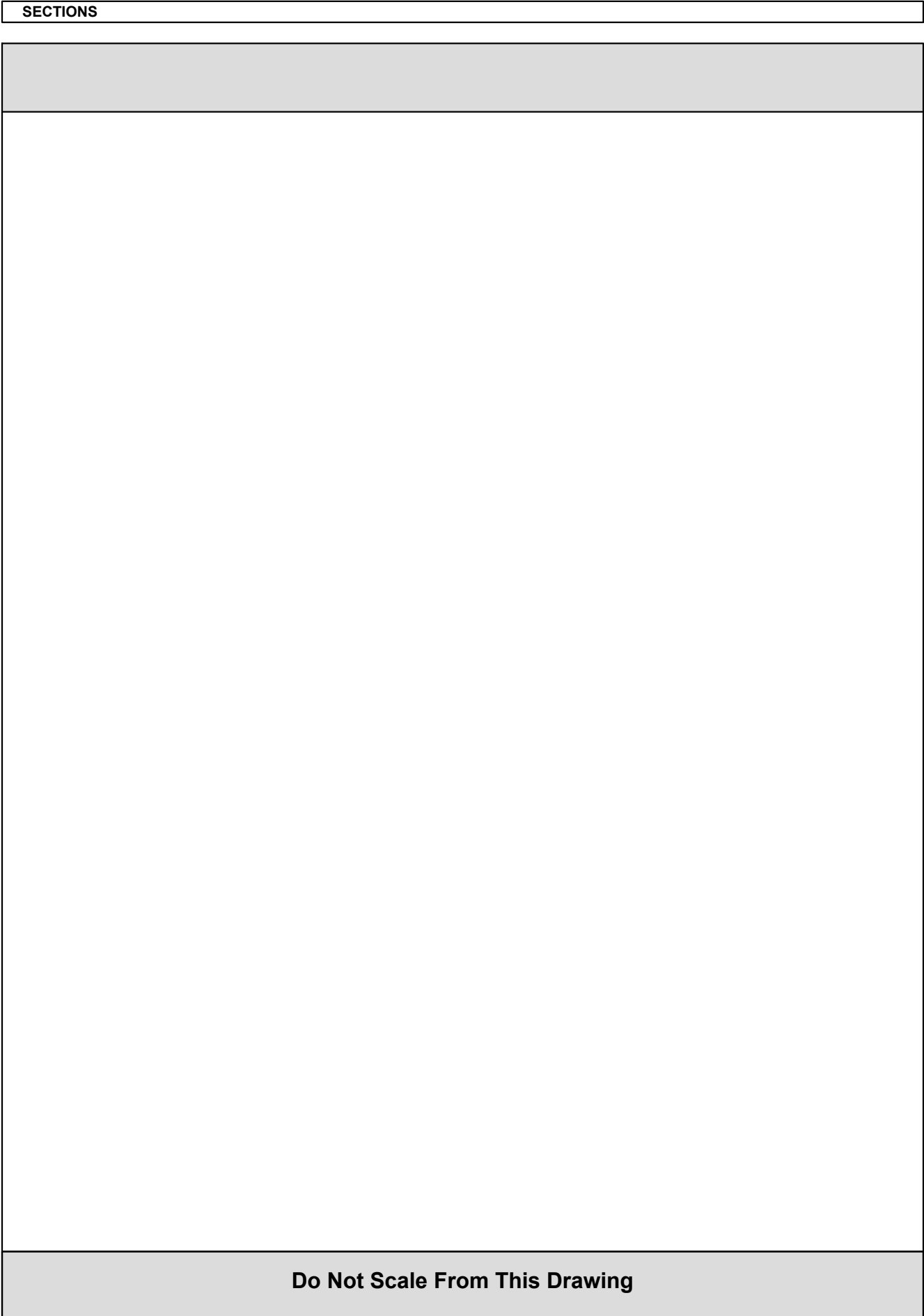


Do Not Scale From This Drawing

Detail 16C



Do Not Scale From This Drawing



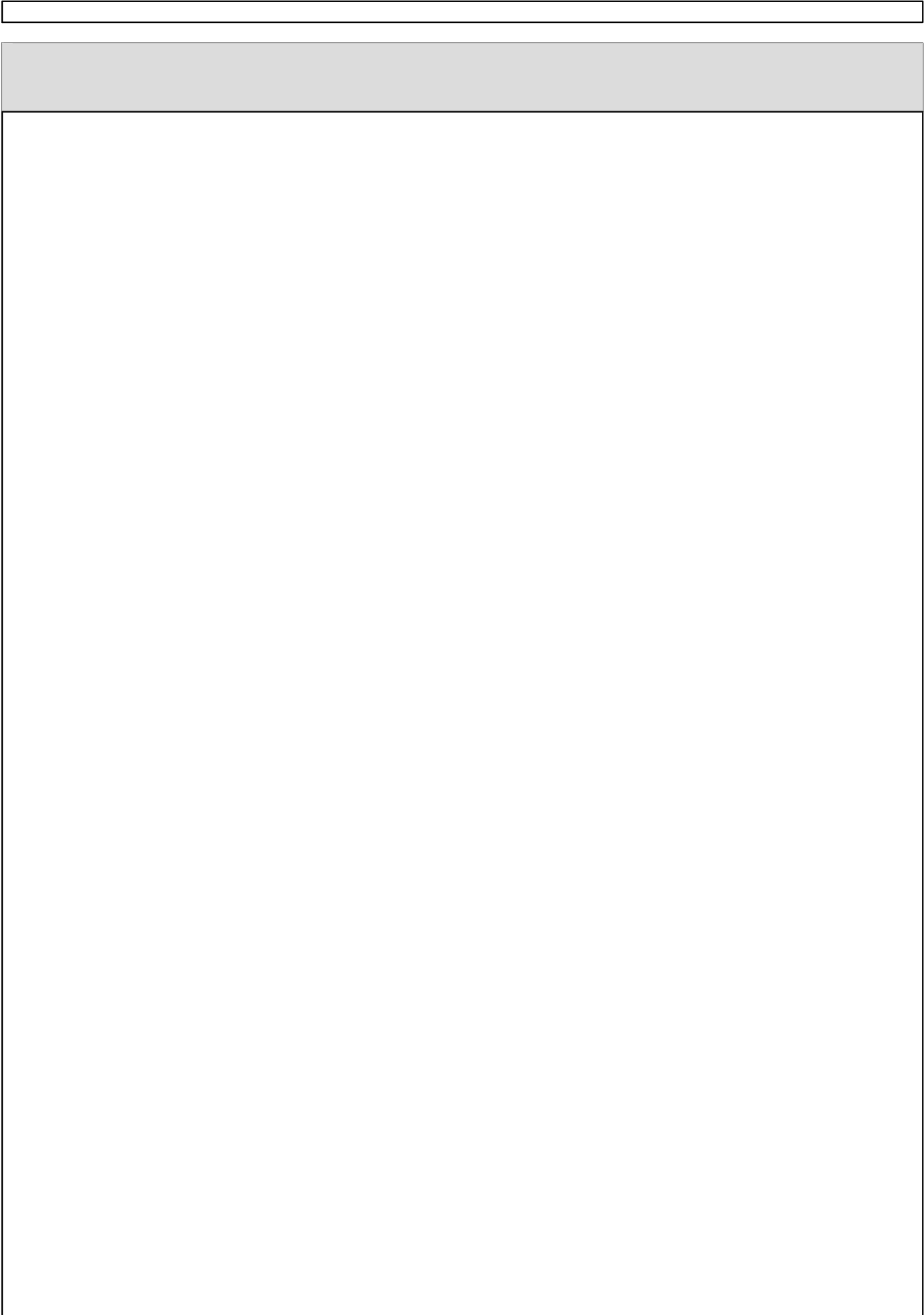
Do Not Scale From This Drawing

Section D

Statics

General Size Limitations are shown on Page A02.

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



Section E



Construction Drawings

Corner Joint Detail.....	E03
Crimping Detail.....	E04
Drainage Detail.....	E05 - E07
Installation of ACW20345 using ACW20344.....	E08
Mullion/Transom Detail.....	E09 - E10
Friction Stay Detail.....	E11 - E12
Lock Detail.....	E13 - E15
Peg Stay Detail.....	E16 - E17
Coupler Detail.....	E18
Glazing Chart.....	E19 - E20
Bay Pole Detail.....	E21 - E22
Fixing Strap Guide.....	E23
Example Layout.....	E24



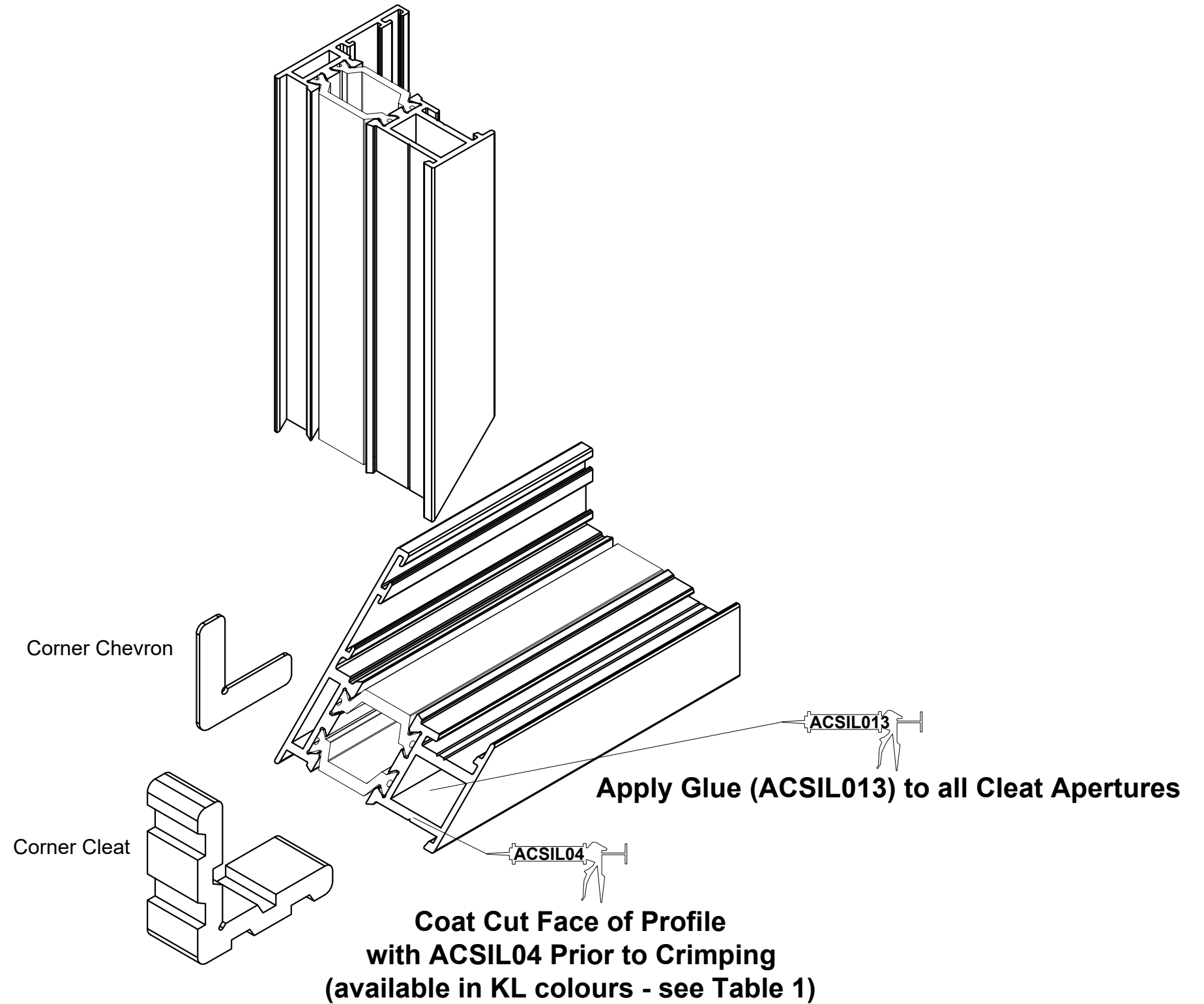
Corner Joint Details

Notes

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

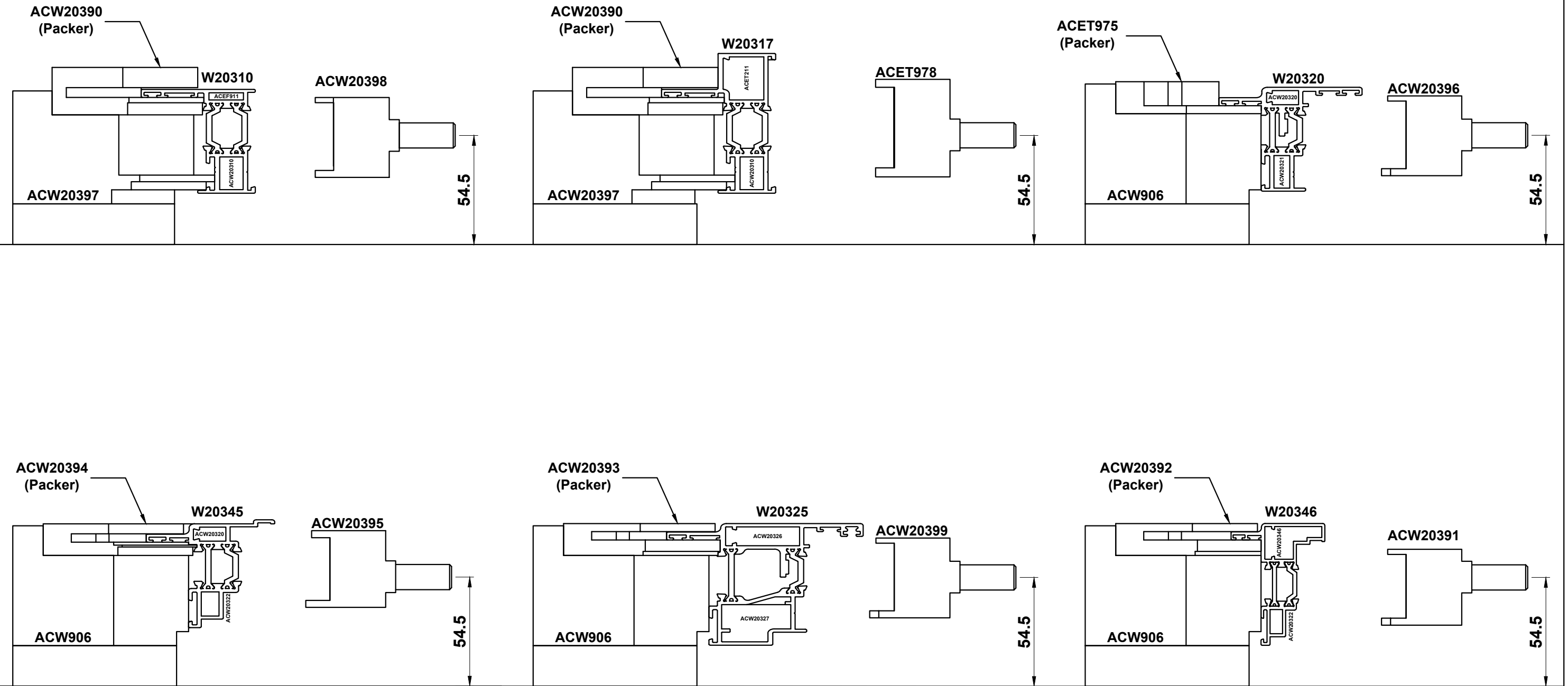
Table 1

KL Colour	Sealant Part Number
Black	ACSIL04BL
White	ACSIL04WP
Clear	ACSIL04CL
KL001	ACSIL04KL001
KL002	ACSIL04KL002
KL003	ACSIL04KL003
KL004	ACSIL04KL004
KL005	ACSIL04KL005
KL006	ACSIL04KL006
KL007	ACSIL04KL007
KL010	ACSIL04KL010
KL011	ACSIL04KL011
KL012	ACSIL04KL012
KL013	ACSIL04KL013



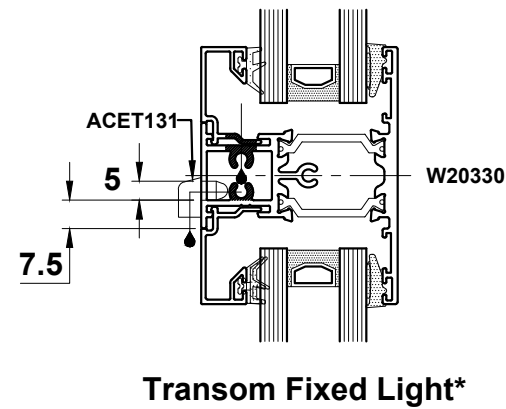
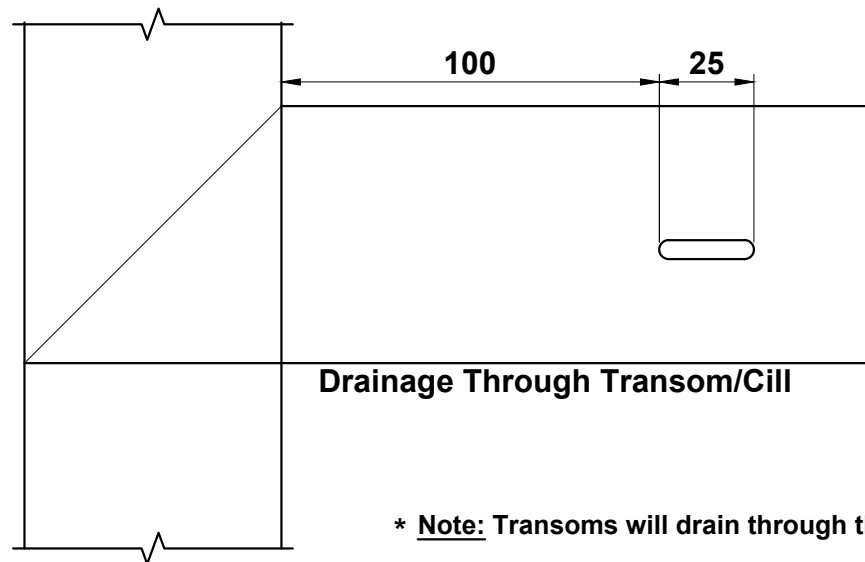
Do Not Scale From This Drawing

Crimping Detail

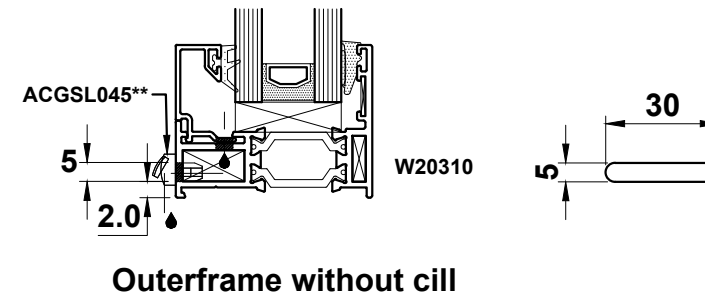


Do Not Scale From This Drawing

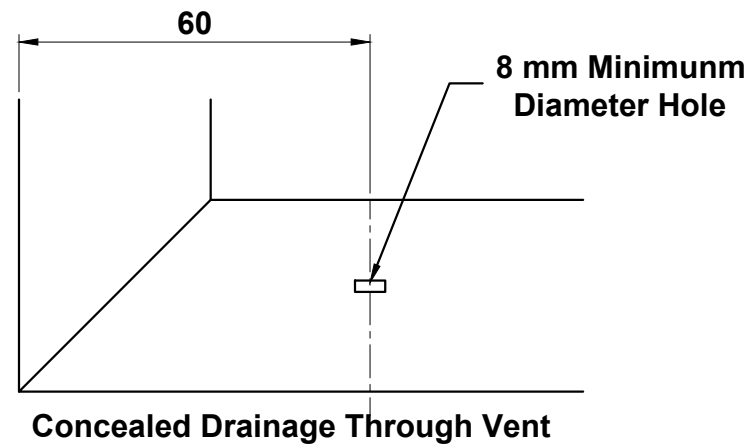
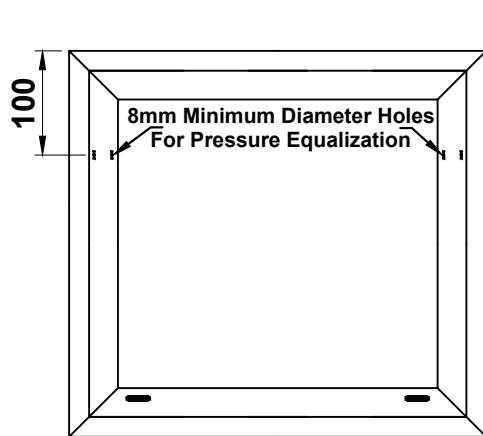
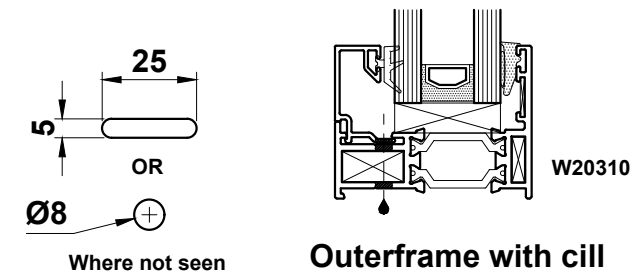
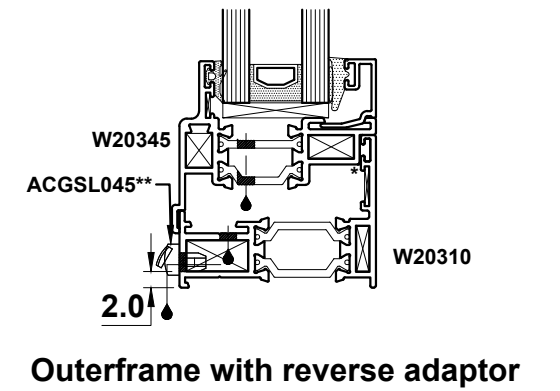
Drainage Details



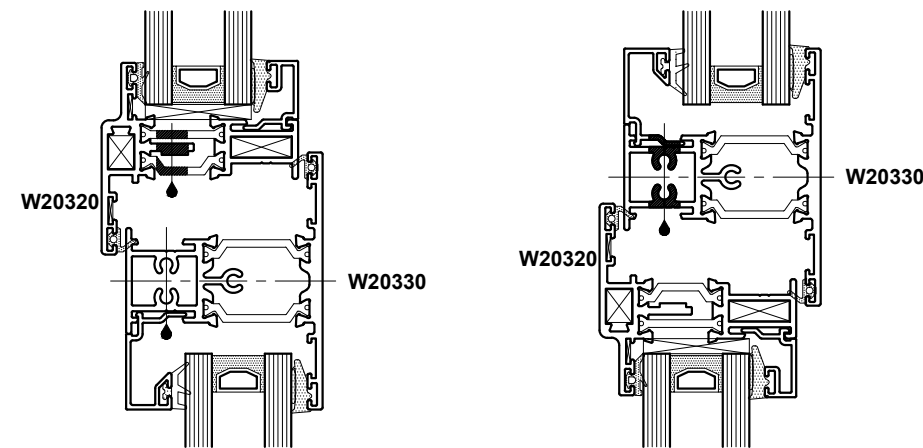
* **Note:** Transoms will drain through the join to the outerframe.



**ACGSL045 must be used here as water drains through the front of the cap. ACGSL045 may also be used throughout the system.



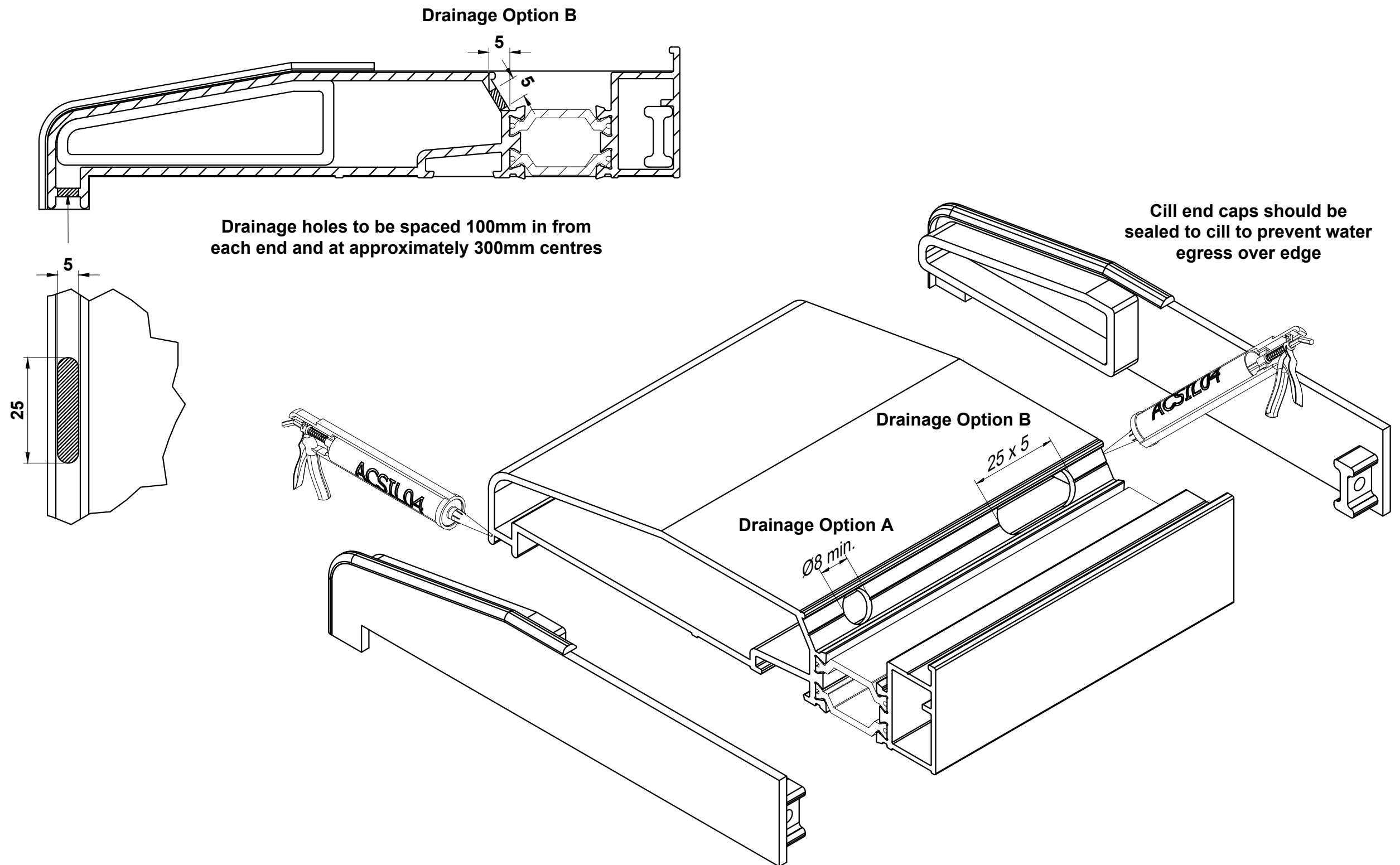
Important Note: All exposed aluminium should be coated using ACSIL014 or painted to match the frame.



Note: Transoms will drain through the join to the outerframe.

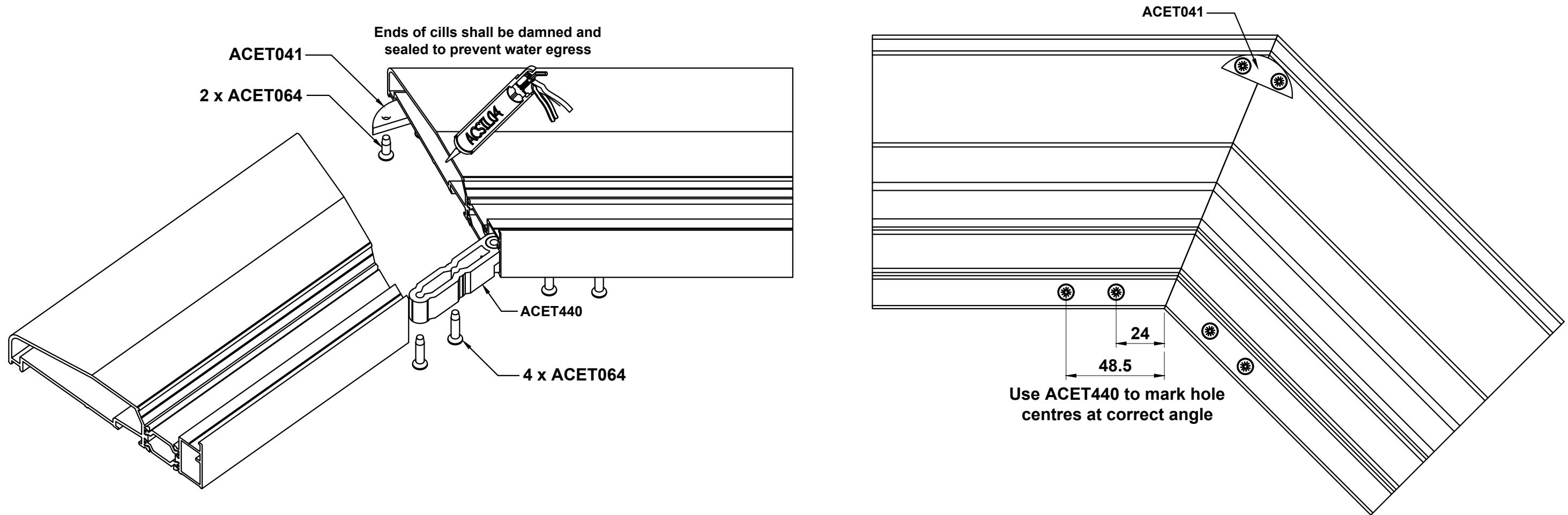
Do Not Scale From This Drawing

Sub Cill Drainage



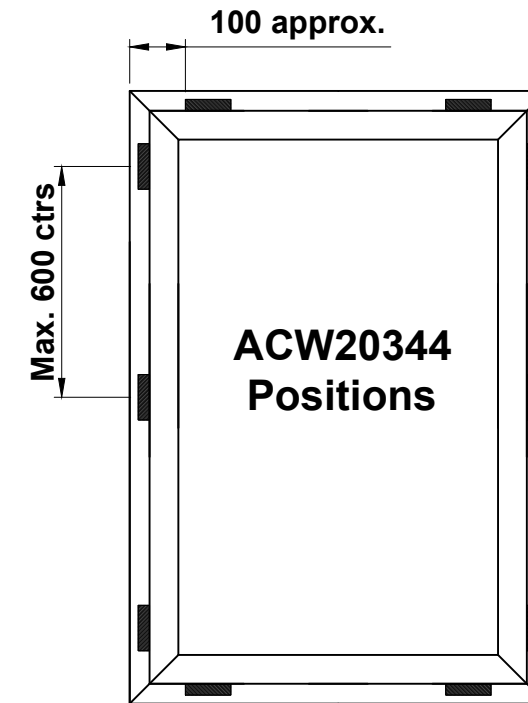
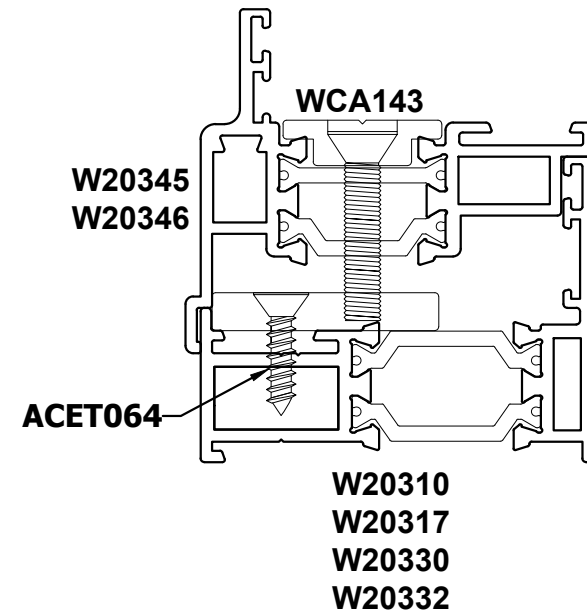
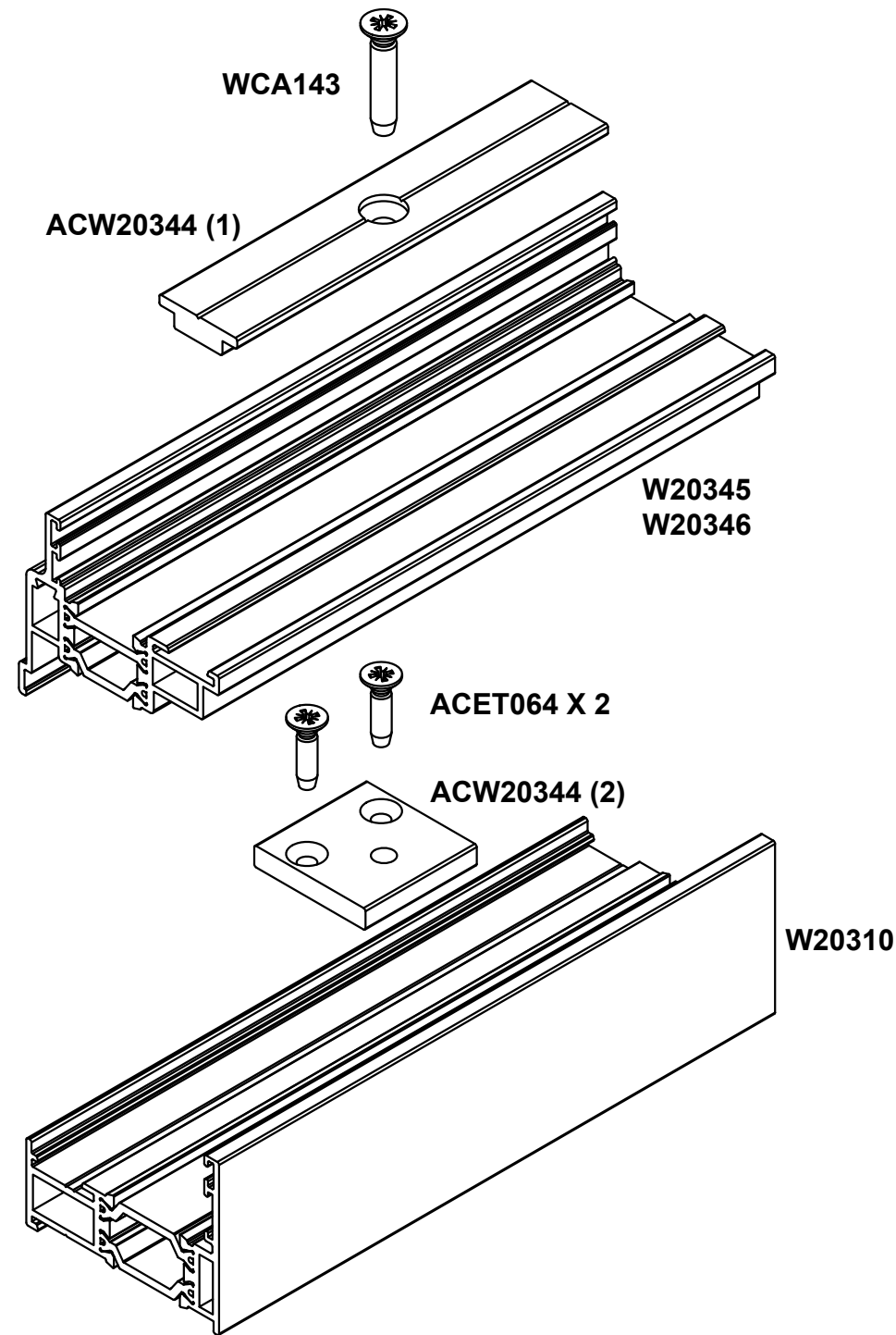
Do Not Scale From This Drawing

Angled Sub Cill



Do Not Scale From This Drawing

Installation of W20345 using ACW20344

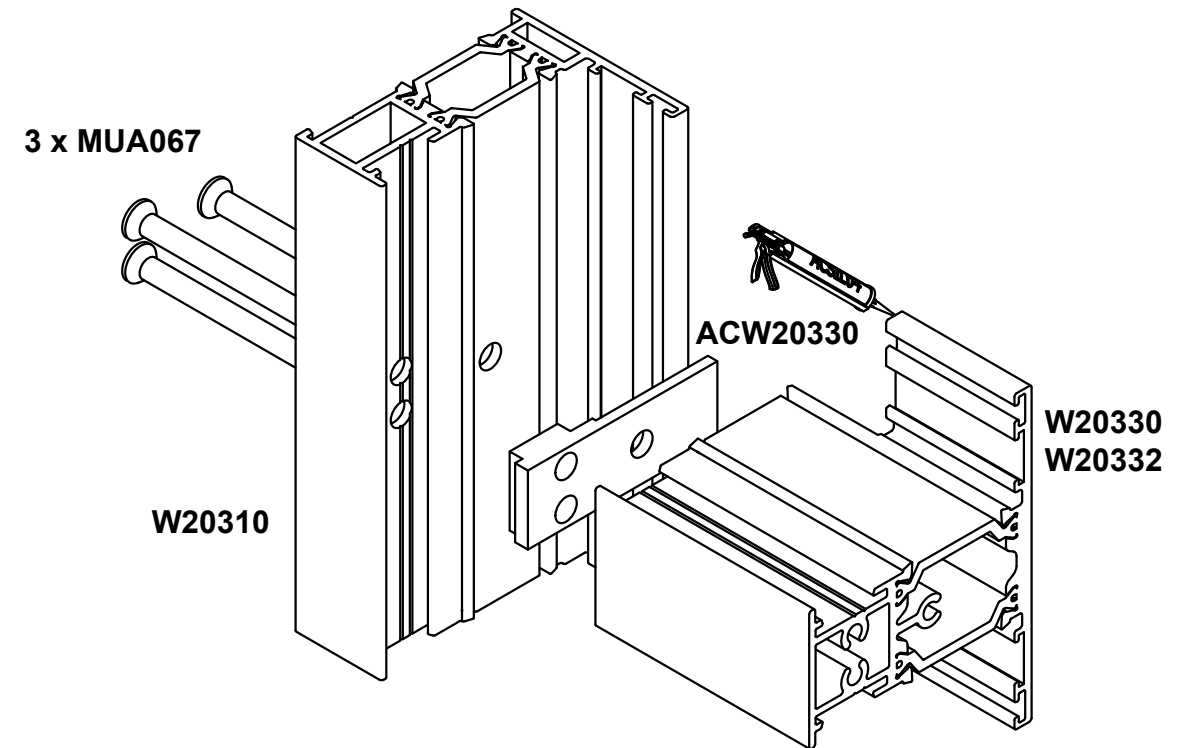
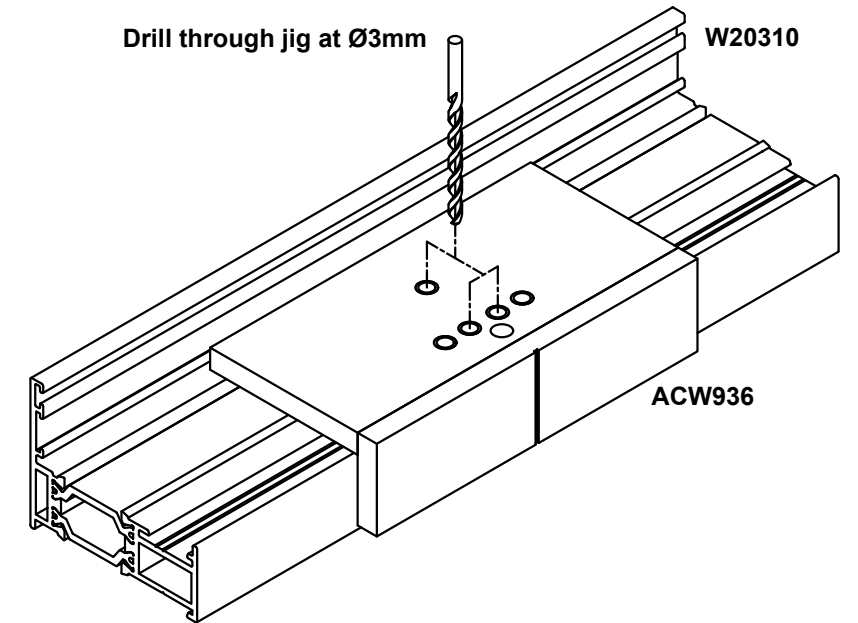
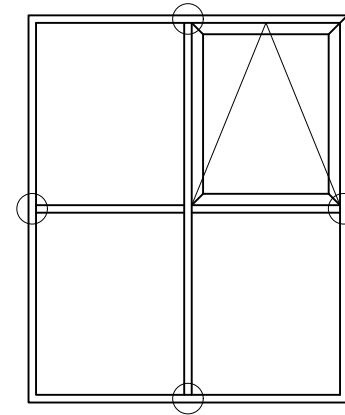
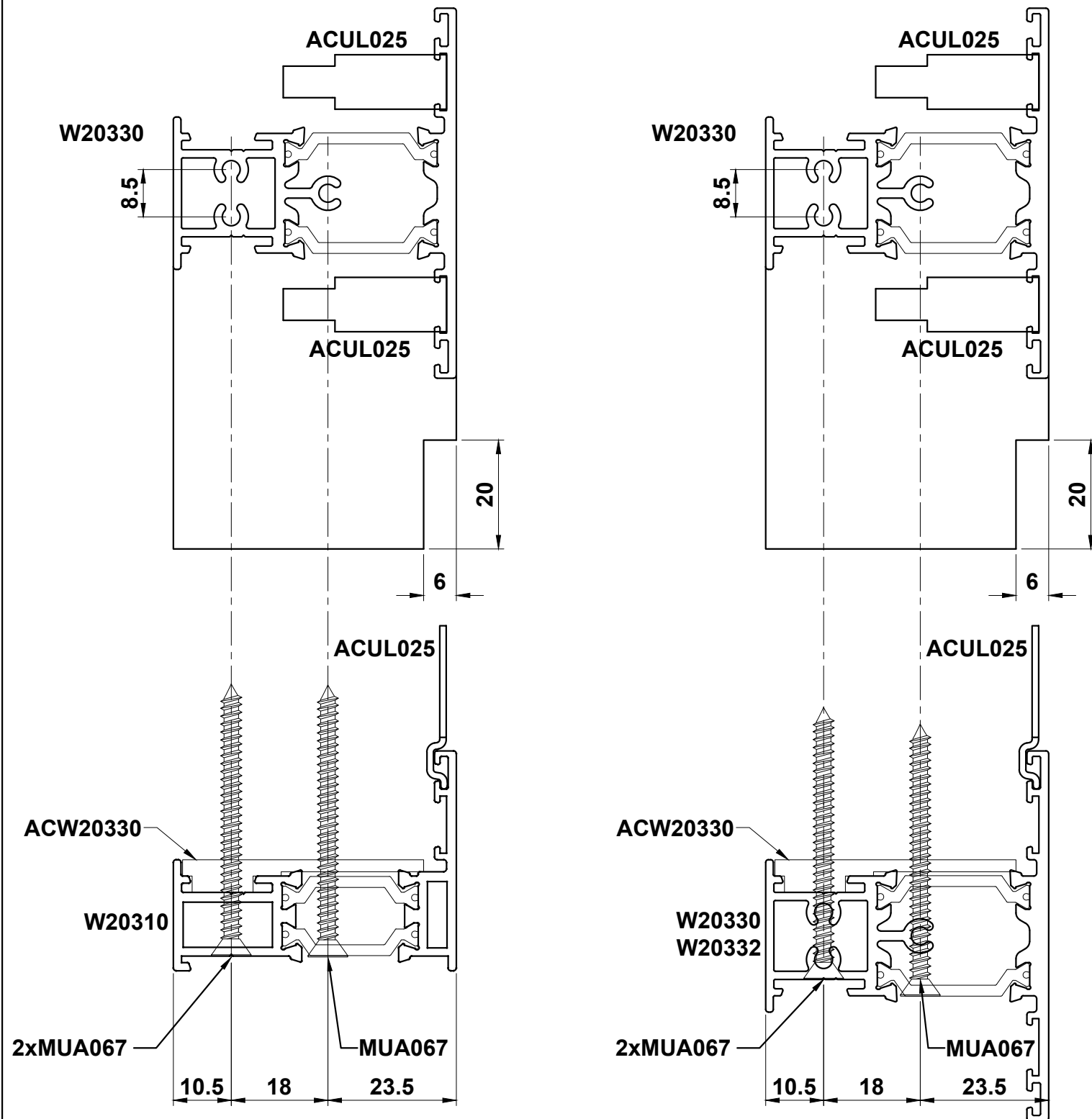


Steps on how to fix Outerframe/Mullion to W20345 using ACW20344:

1. Butt ACW20344 (2) up to where W20345 meets the outer frame (mullion/transom) as shown in the drawing.
2. Use 2 x ACET064 to fix ACW20344 (2) to outer frame.
3. Use WCA143 machine scw to fix ACW20344 (1) into ACW20344 (2).

Do Not Scale From This Drawing

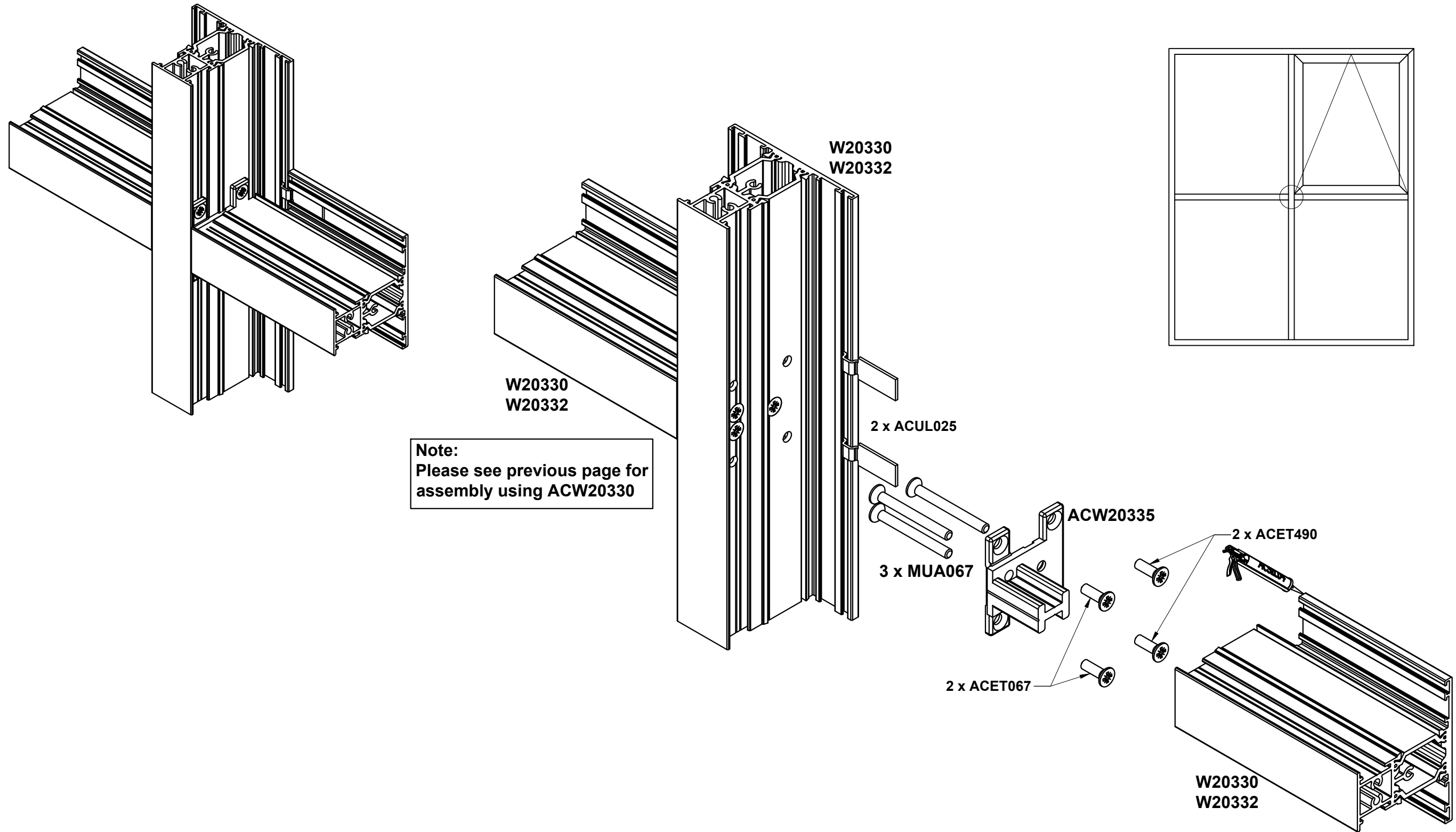
Mullion/Transom Detail



Note:
End mill cutters can be ordered through Smart Systems Ltd.
Please contact the Technical Department for an order form.
Standard delivery is 2-3 weeks approx.

Do Not Scale From This Drawing

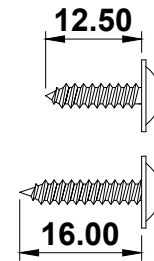
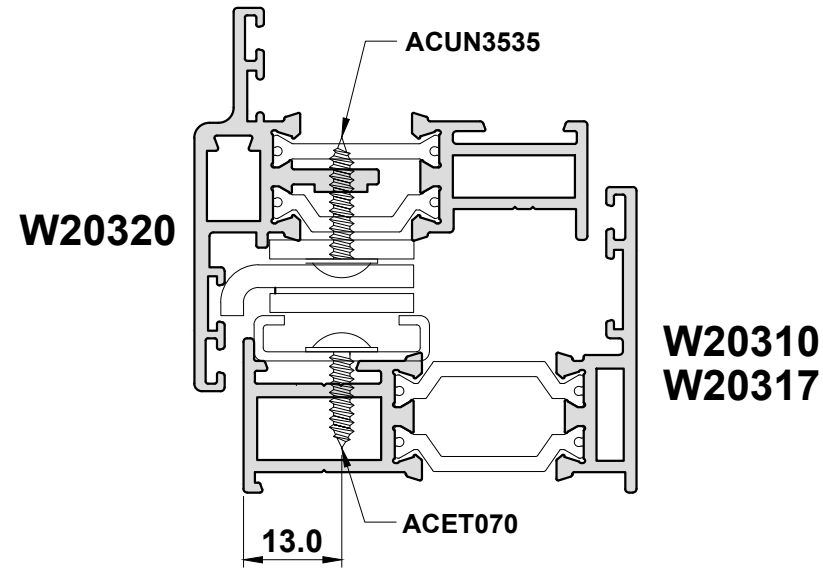
Mullion/Transom Detail Continued



Do Not Scale From This Drawing

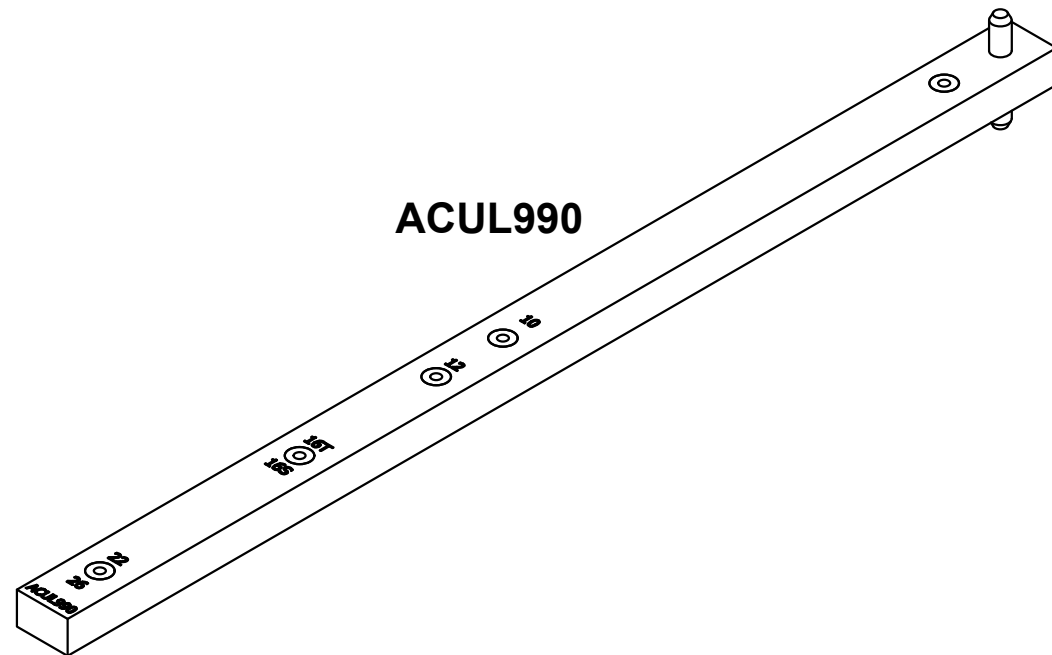
Friction Stay Accessories

**Vent Sizes 450mm or Smaller
to be Reduced by 2mm**



ACET070 = Recommended screw
for fixing stay to outer frame

ACUN3535 = Recommended screw
for fixing stay to sash



Heavy Duty (Sterling) Stays

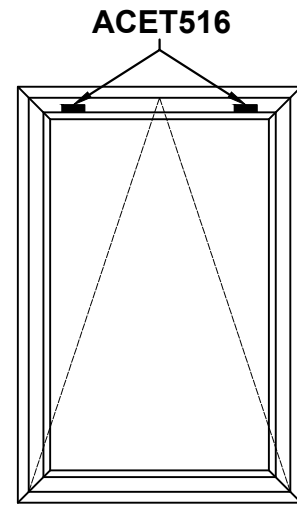
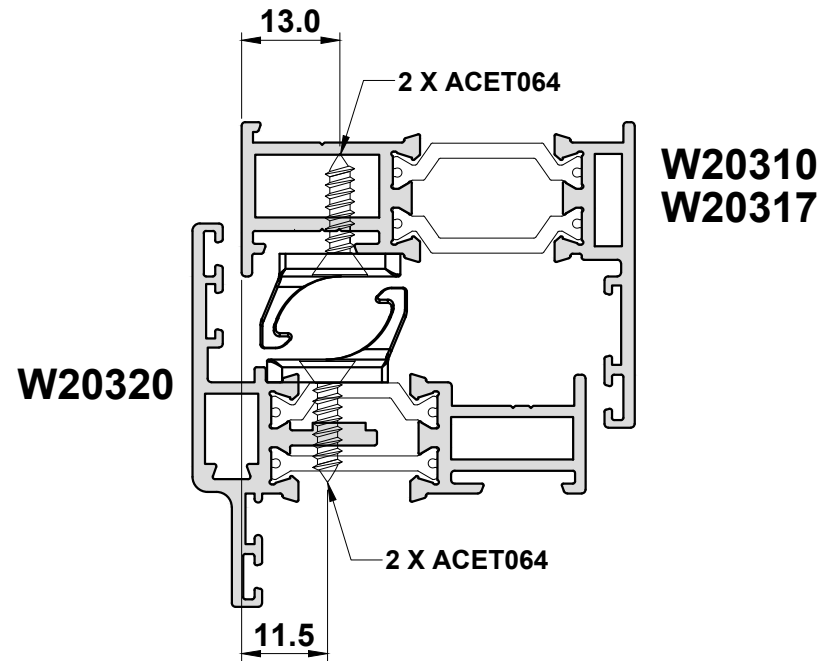
Hinge Code Top Hung	Hinge Length (mm)	Max Vent Weight (kg)	Min Vent Height (mm)	Max Vent Height (mm)	Opening Angle (+/-2.5°)
ACINS10	262	40	315	640	50
ACINS12	313	50	640	800	50
ACINS16	415	65	800	1100	50
ACINS22	567	100	1090	1500	45
ACINS22W	567	100	1500	2000	20
ACINS26	680	180	2000	2500	20
Side Hung	Hinge Length (mm)	Max Vent Weight (kg)	Min Vent Width (mm)	Max Vent Width (mm)	Opening Angle (+/-2.5°)
ACINSSH10	262	38	327	660	85
ACINSSH16	415	55	450	838	60

Please Note:

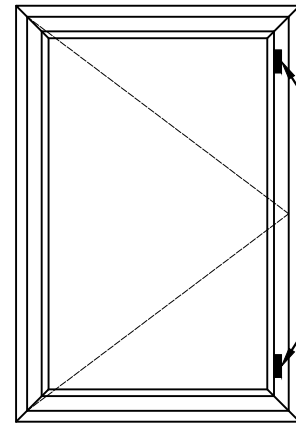
1. Dimensions shown in table are sash sizes - not rebate sizes.
2. The minimum sash sizes for ACINS10 & ACINSSH10 can both be reduced to 281mm where cockspur handles are used.
3. Top hung height & side hung width sizes to be reduced by 2mm where size is 450mm or smaller.
4. Vents of 100kg must be fitted with ACINS09 cam adjustment devices, which are optional on lighter vents
5. Separate restrictors (ACINS30 & ACINS31) vent holding devices may be required to hold large vents in a selected ventilation position against variable wind pressure.

Do Not Scale From This Drawing

Hinge Protectors & Pull In Blocks



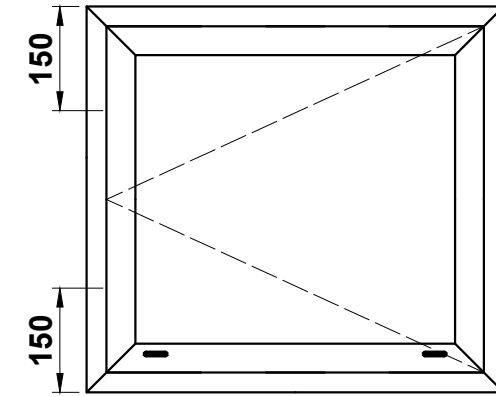
Top Hung



Side Hung

Please Note:

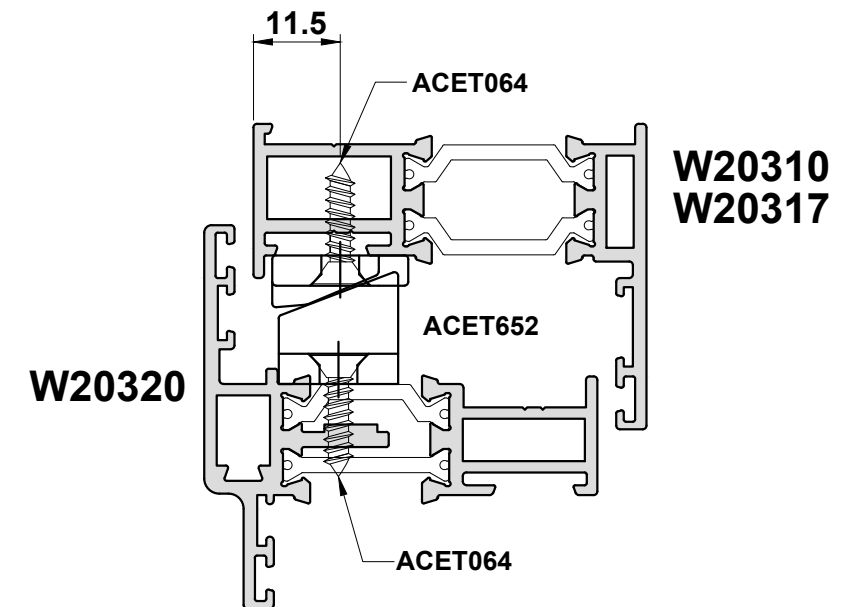
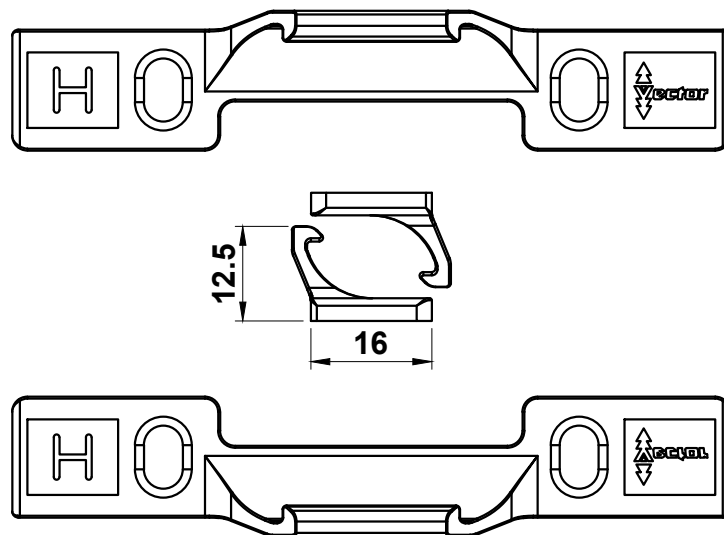
- 2 pairs per opening vent to be fitted to hinged side of window
- Each pair must be fitted with the hook centre within 100mm of each hinge



Please Note:

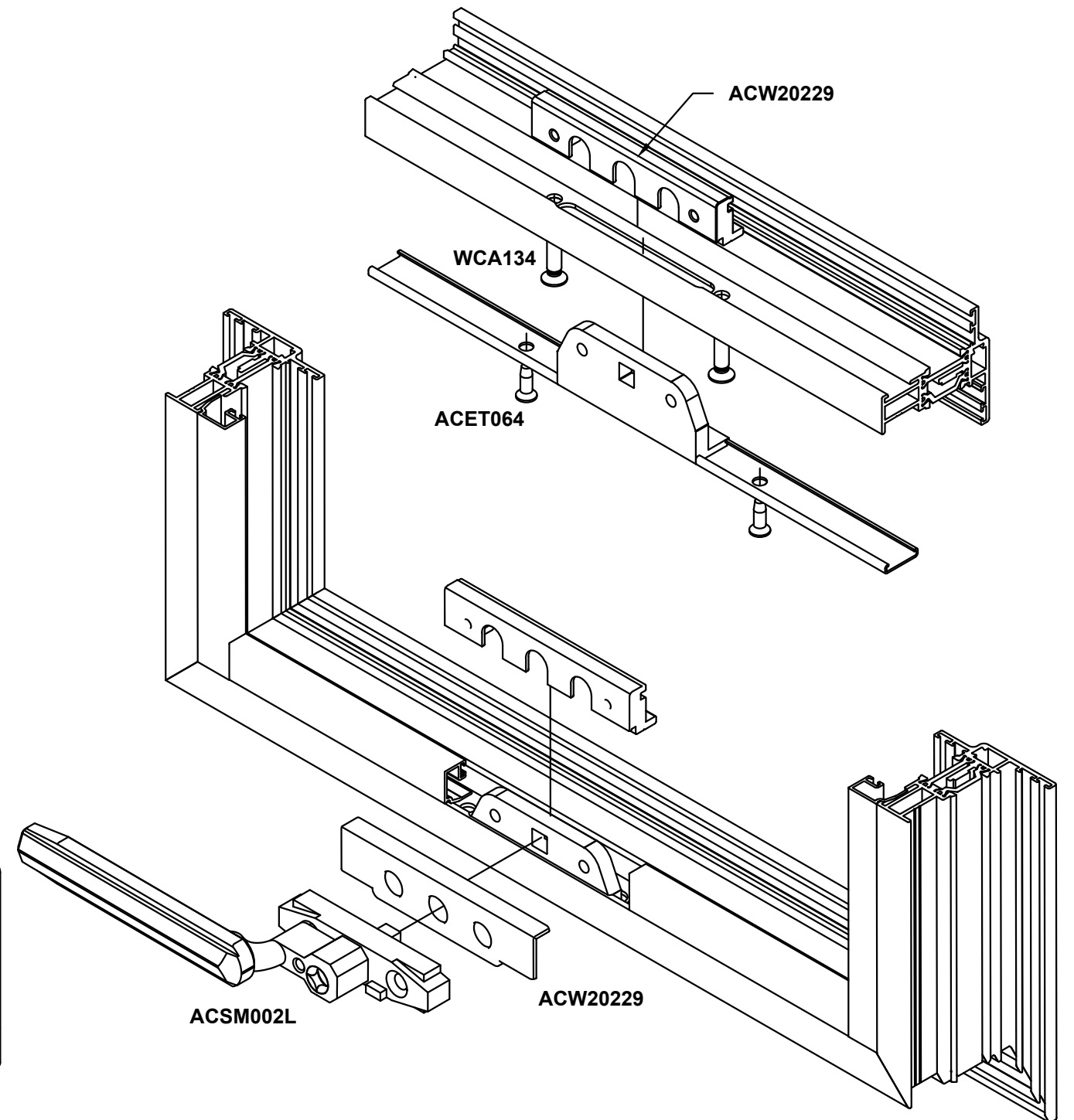
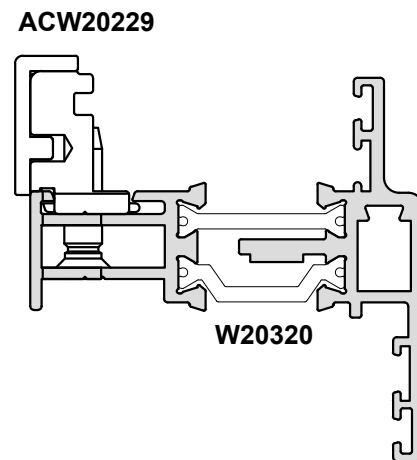
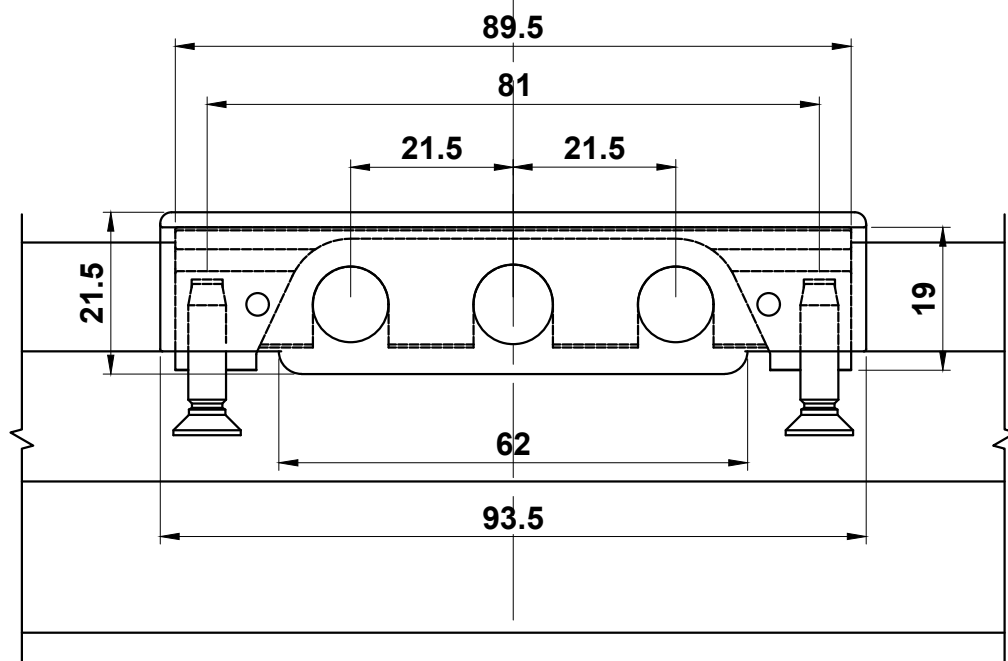
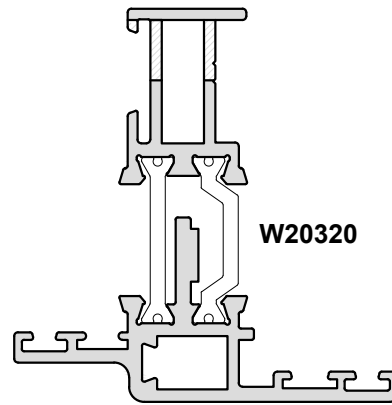
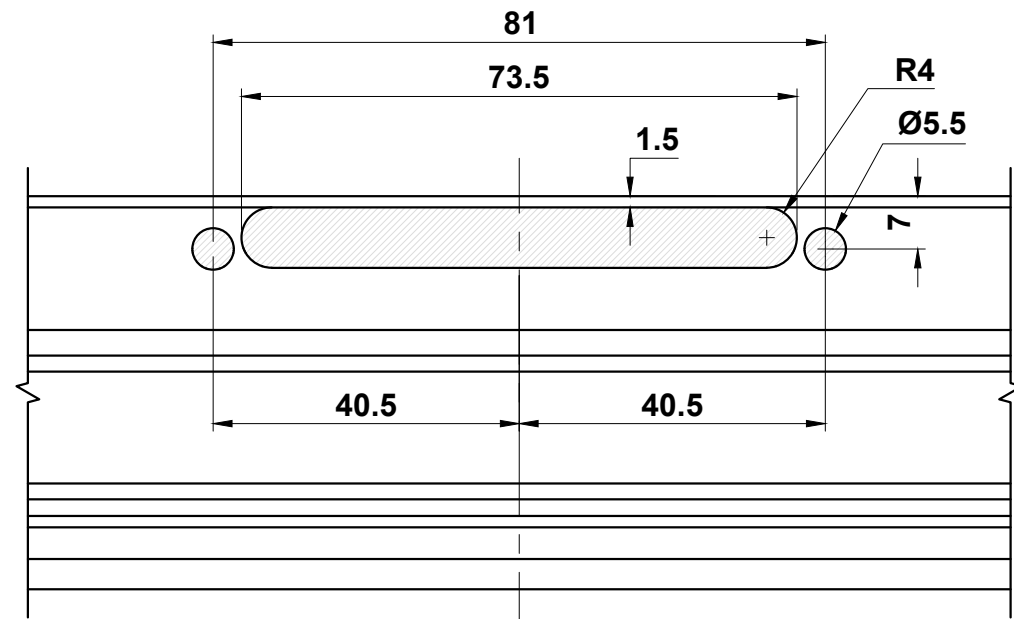
- 2 pairs per opening vent to be fitted to hinged side of window
- Each pair must be fitted with the wedge centre within 150mm of each hinge and in the centre of the window when sash height is greater than 800mm.

ACET516
Scale 1:1



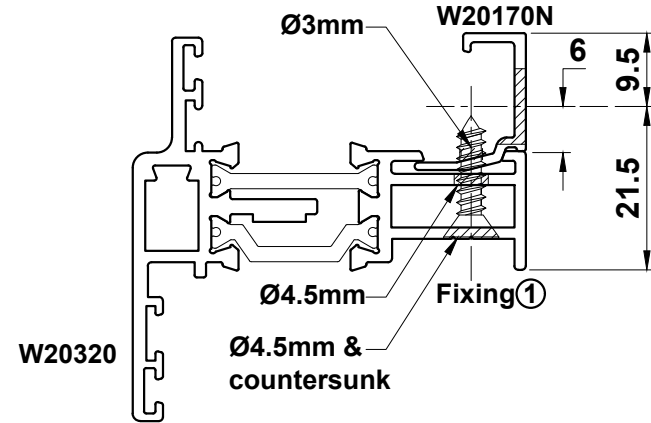
Do Not Scale From This Drawing

Espag Locking Details with ACSM002L using ACW20229

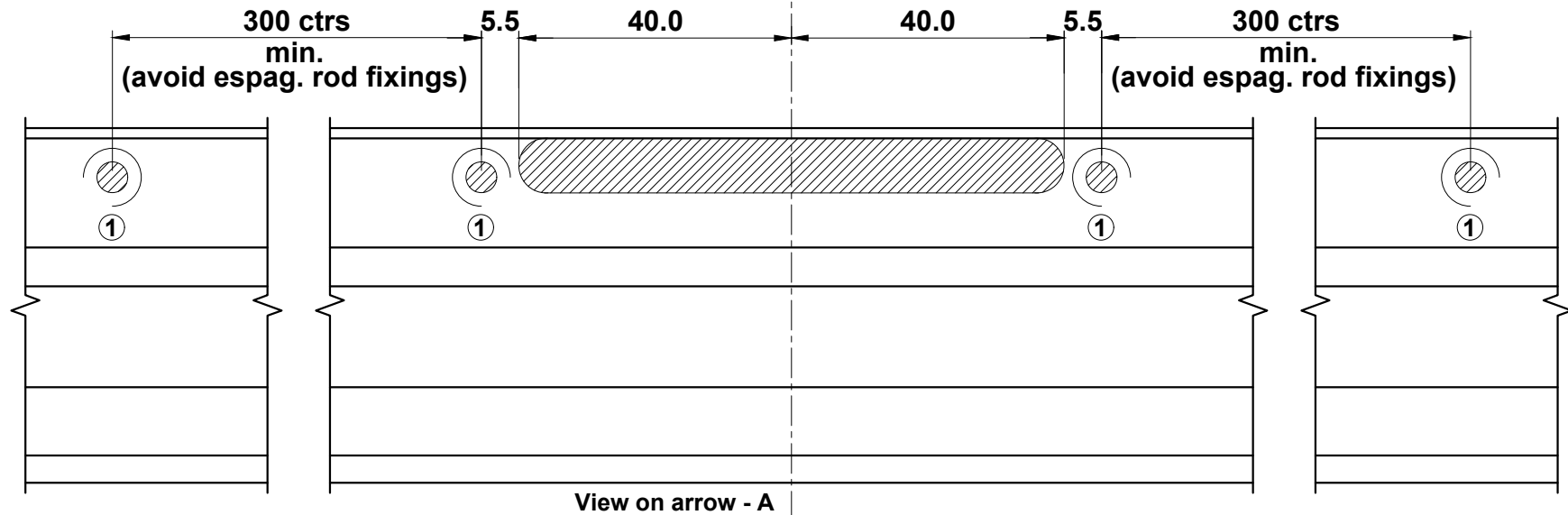
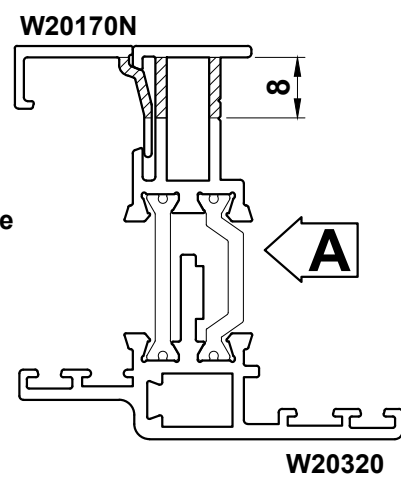
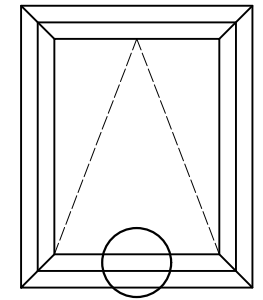
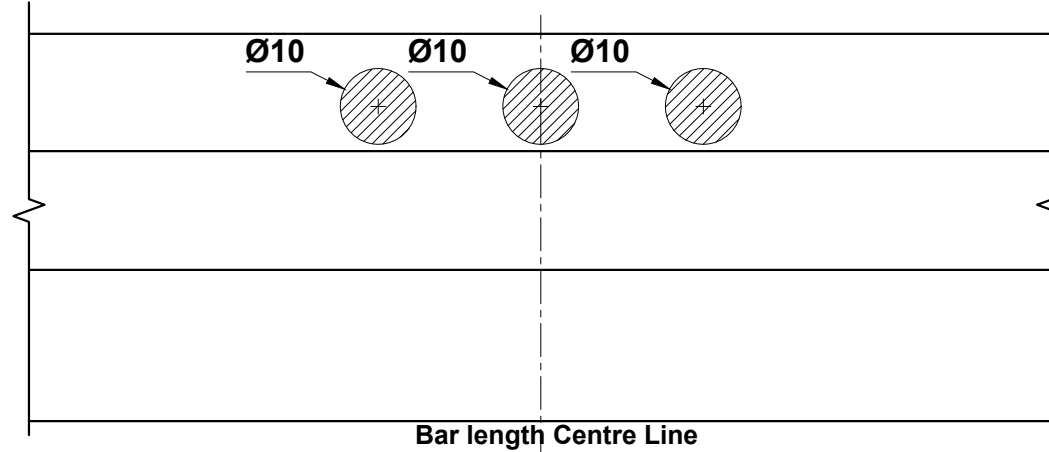


Do Not Scale From This Drawing

Espag Locking Details with ACET460, ACW20100 Monkey Tail & ACW20101 Bulb End Handles



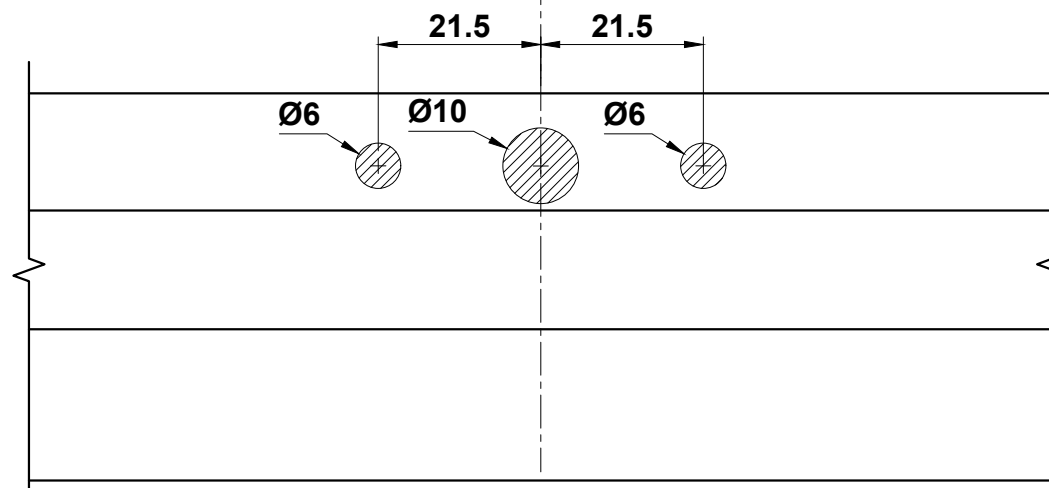
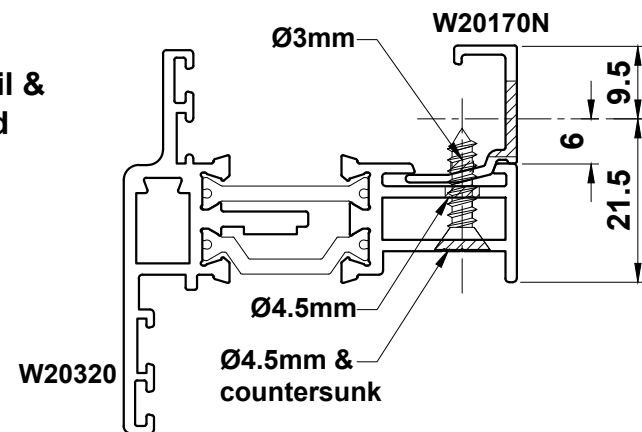
ACET460 Handle Prep



Steps:

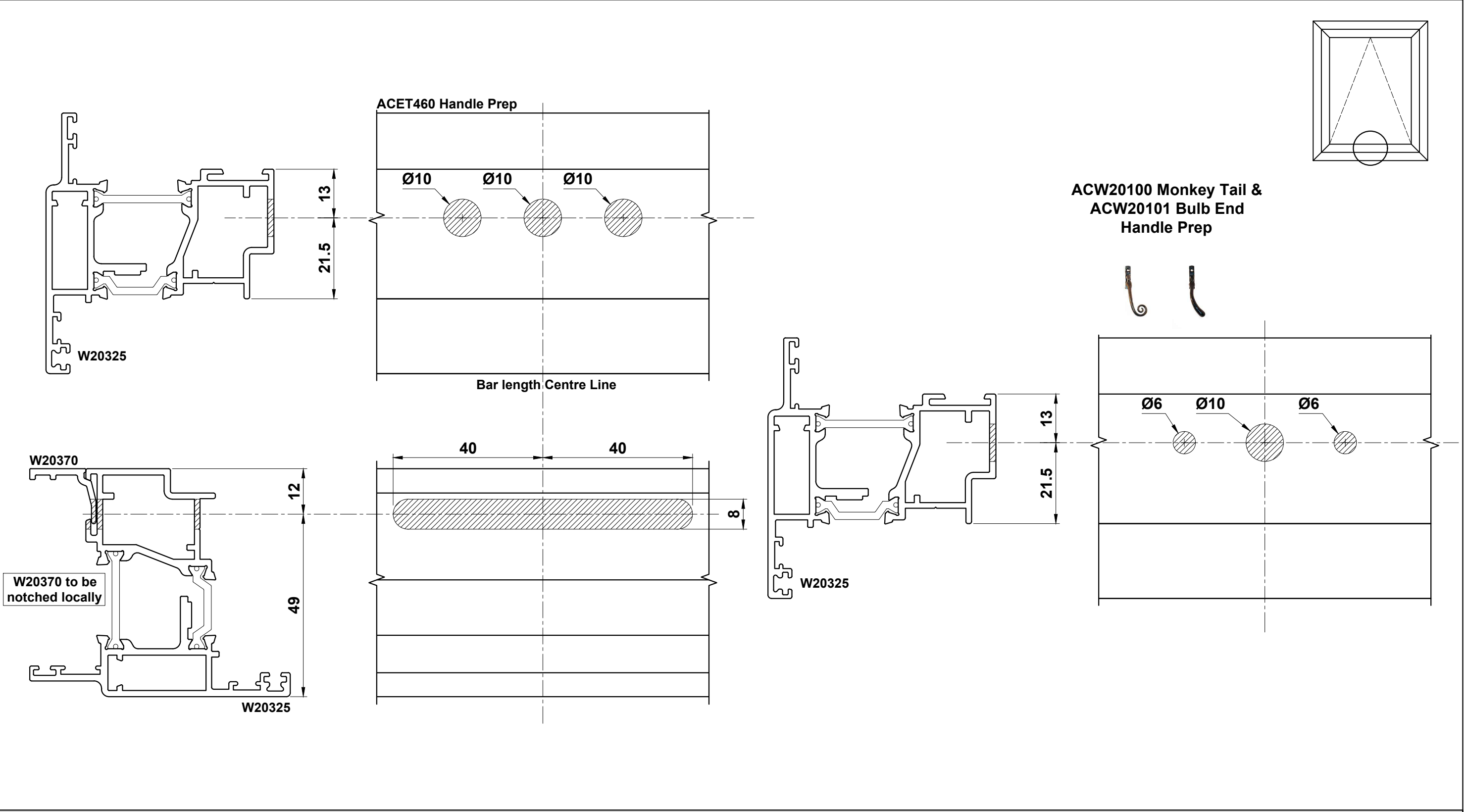
1. Cut bead to length and align centre of bead with centre of sash
2. Secure bead into sash using ACET064 screws as shown (Fixing 1) ensuring the bead cannot move
3. Route and drill for lock and handle
4. Remove bead and assemble sash
5. Refit bead and secure at a minimum of 300mm centres
6. Fit espag locking rod and handle.

ACW20100 Monkey Tail & ACW20101 Bulb End Handle Prep



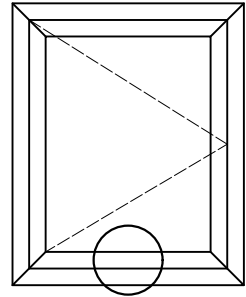
Do Not Scale From This Drawing

Espag Locking Details with ACET460, ACW20100 Monkey Tail & ACW20101 Bulb End Handles Continued



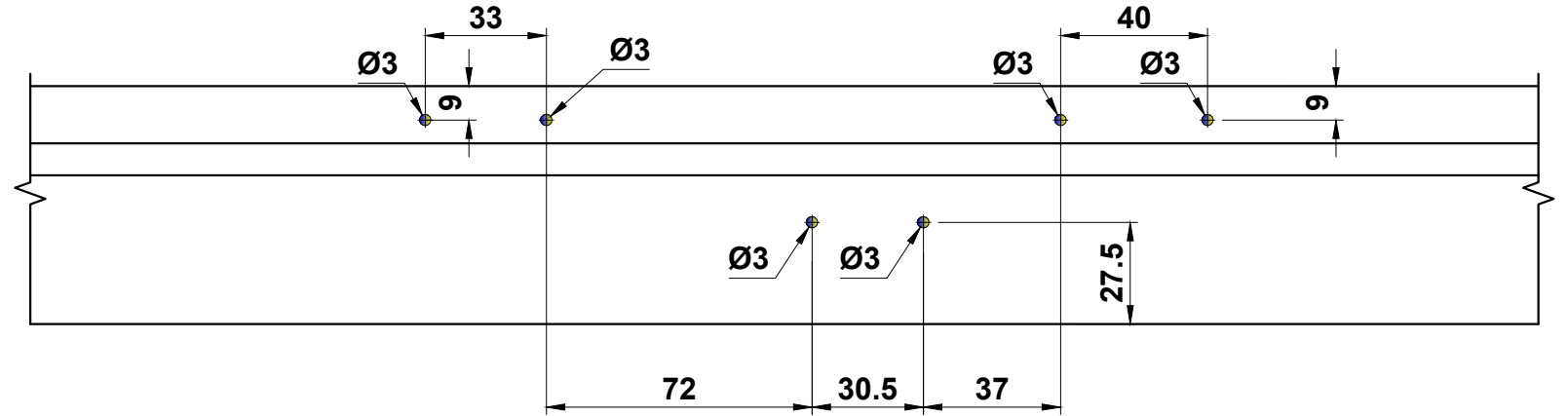
Do Not Scale From This Drawing

Peg Stay Detail



TOP HUNG WITH PEG STAY HAS NOT BEEN TESTED AS ADDITIONAL HANDLE CAN NOT BE FITTED

Typical layout for 10" peg stay



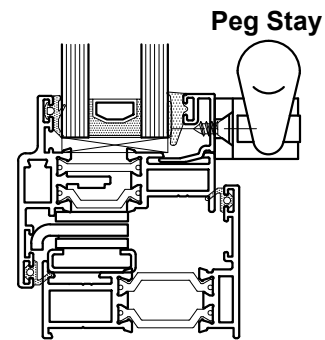
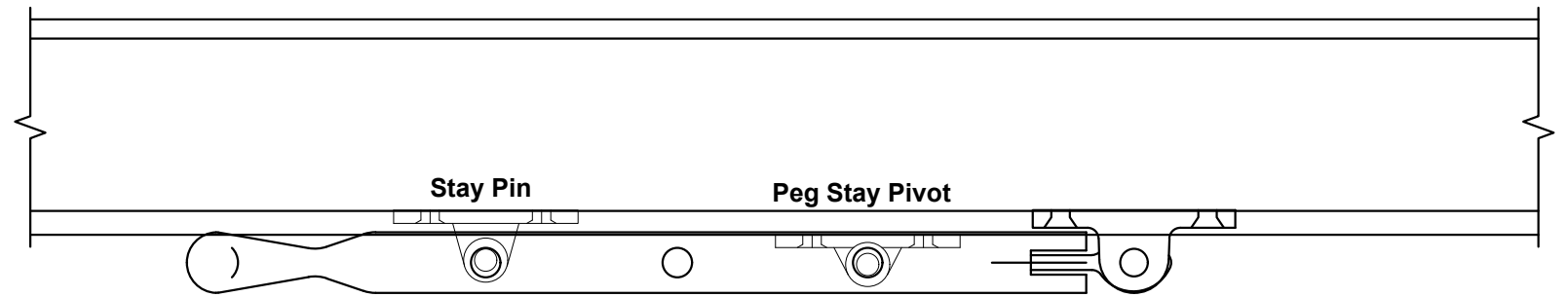
Please use the above dimensions for guidance only.
As each peg stay is hand made, the dimensions will vary slightly.



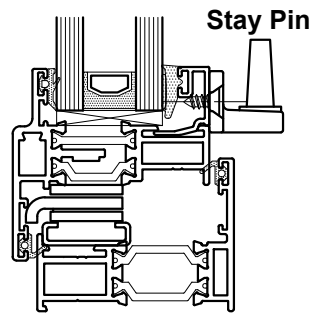
Monkey Tail Peg Stay



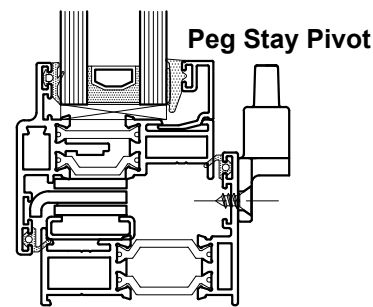
Bulb End Peg Stay



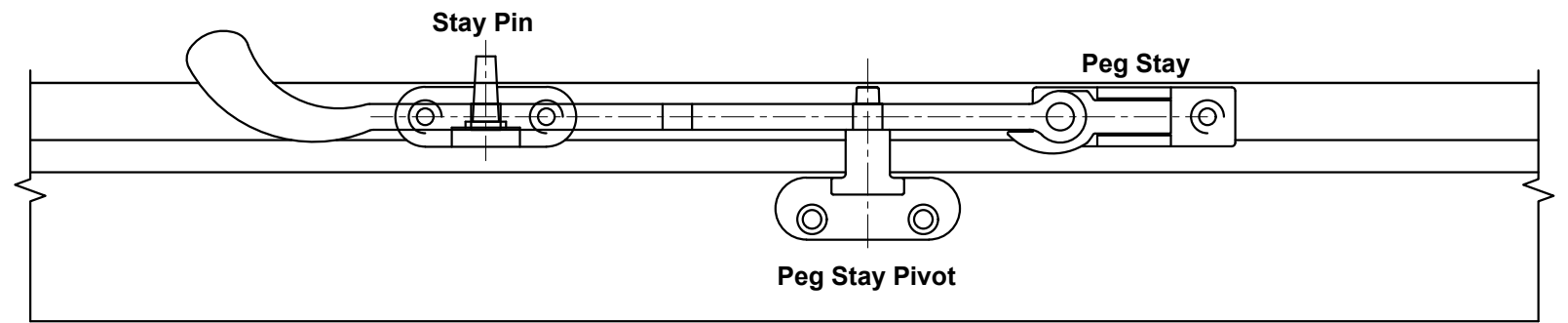
Peg Stay



Stay Pin

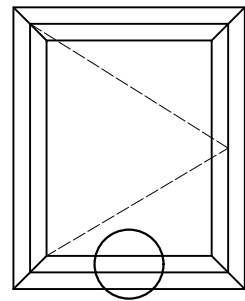


Peg Stay Pivot

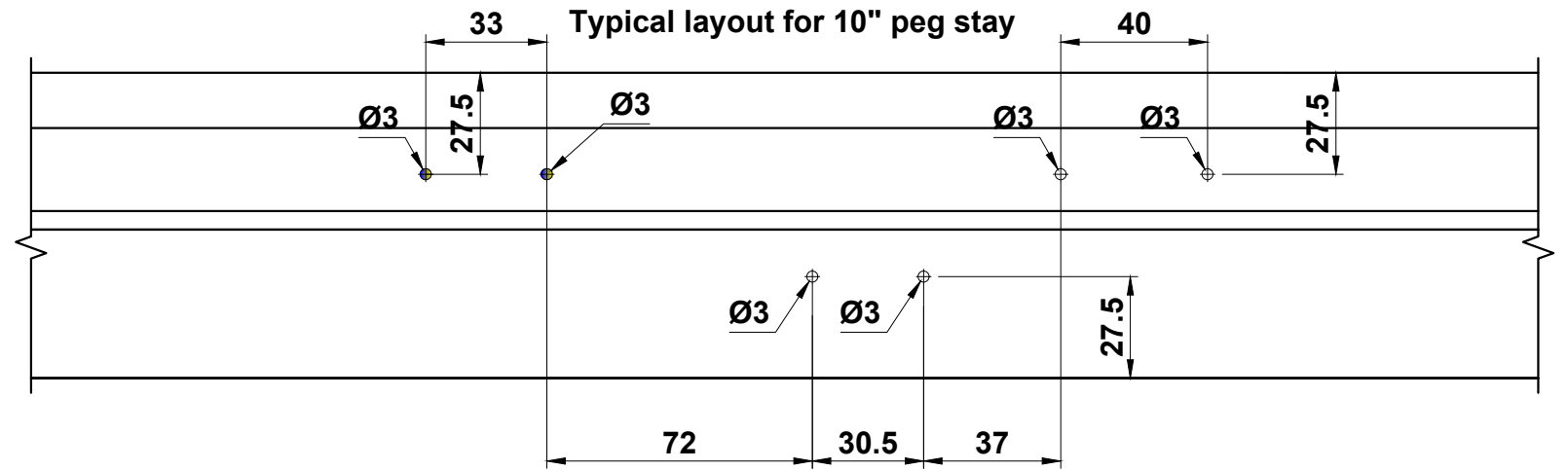


Do Not Scale From This Drawing

Peg Stay Detail Continued



TOP HUNG WITH PEG STAY HAS NOT BEEN TESTED AS ADDITIONAL HANDLE CAN NOT BE FITTED



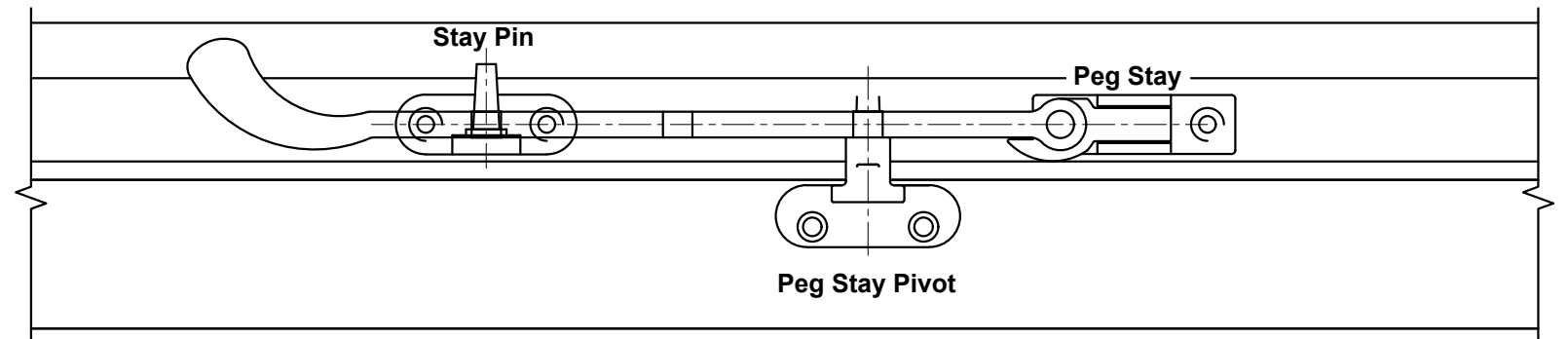
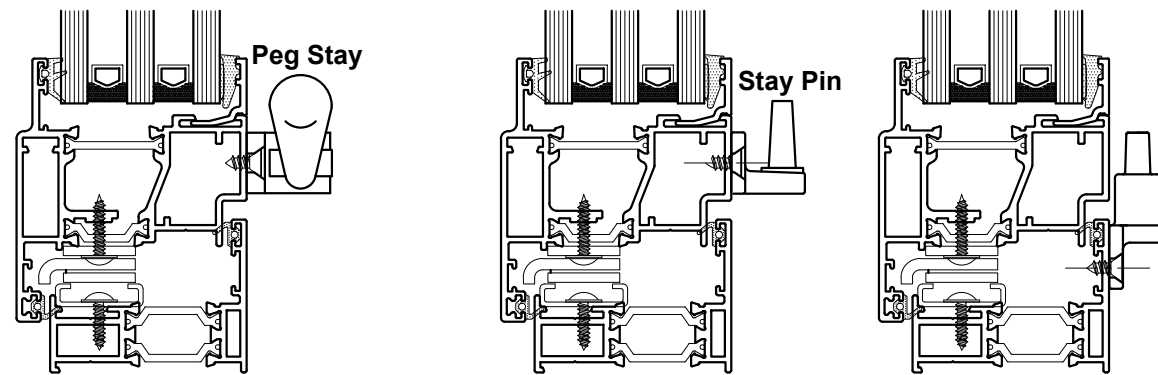
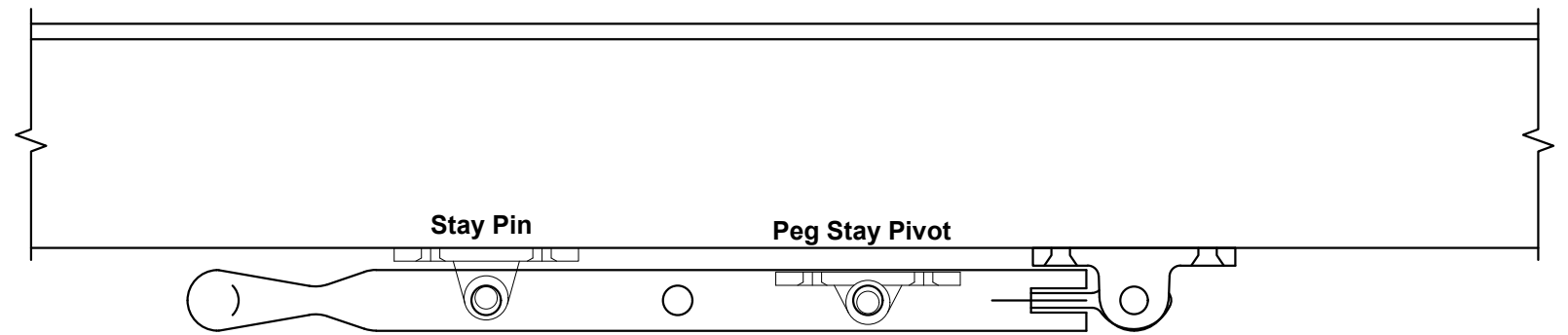
Please use the above dimensions for guidance only. As each peg stay is hand made, the dimensions will vary slightly.



Monkey Tail Peg Stay

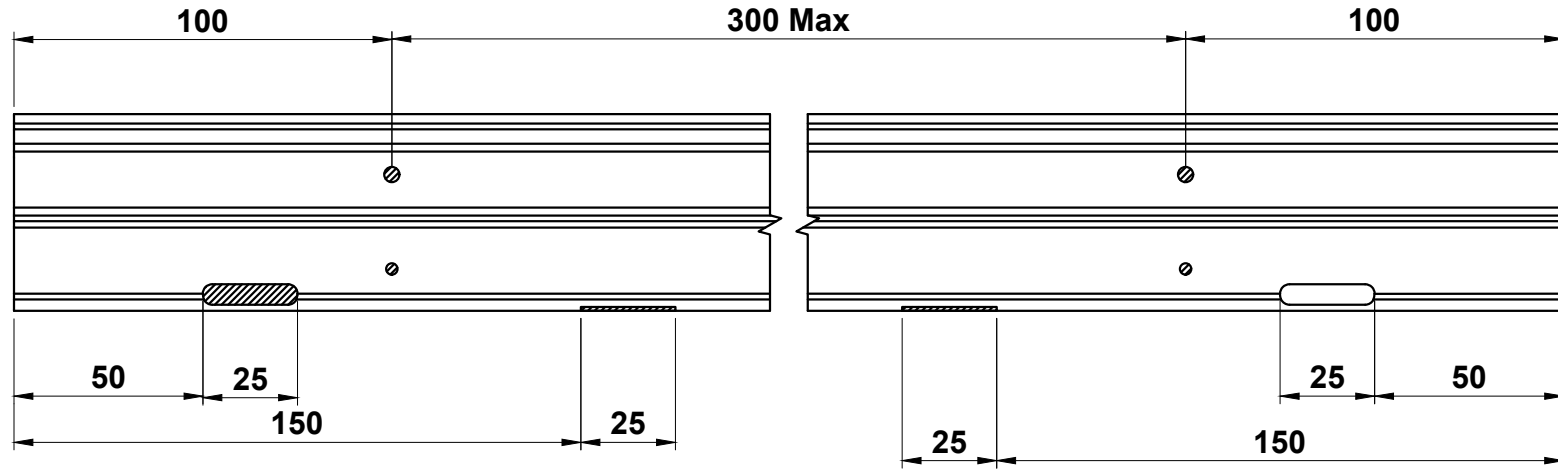


Bulb End Peg Stay

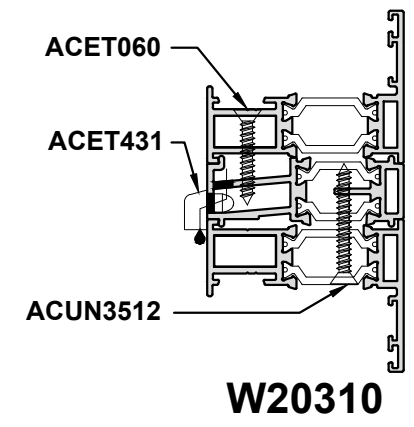


Do Not Scale From This Drawing

W20350 Horizontal Coupler Detail

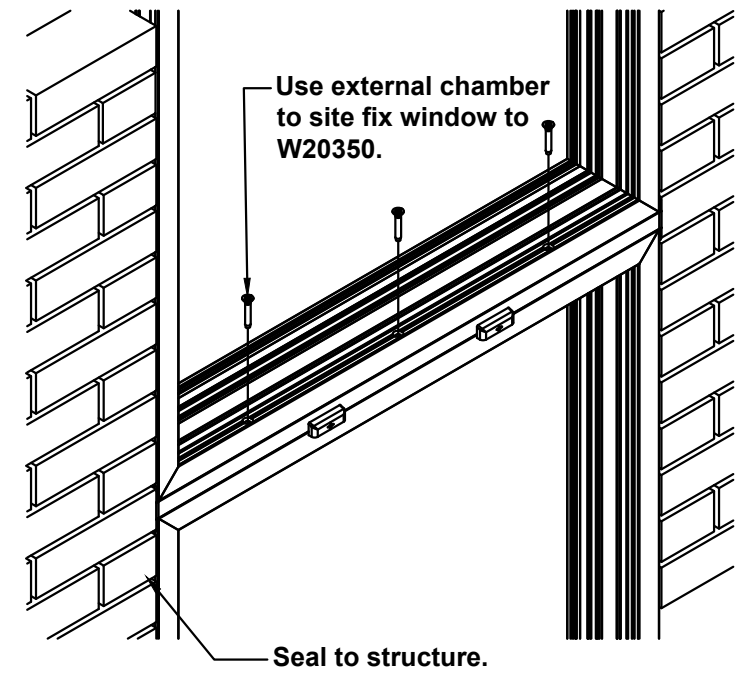
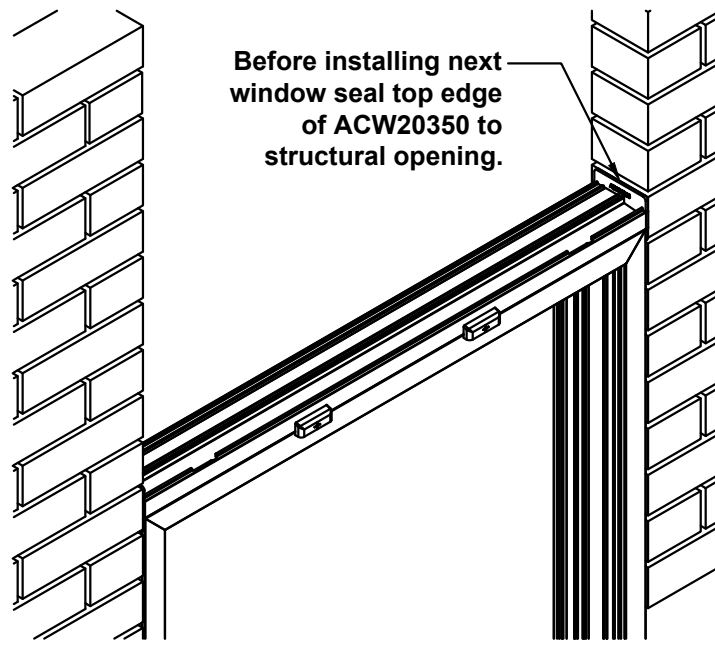
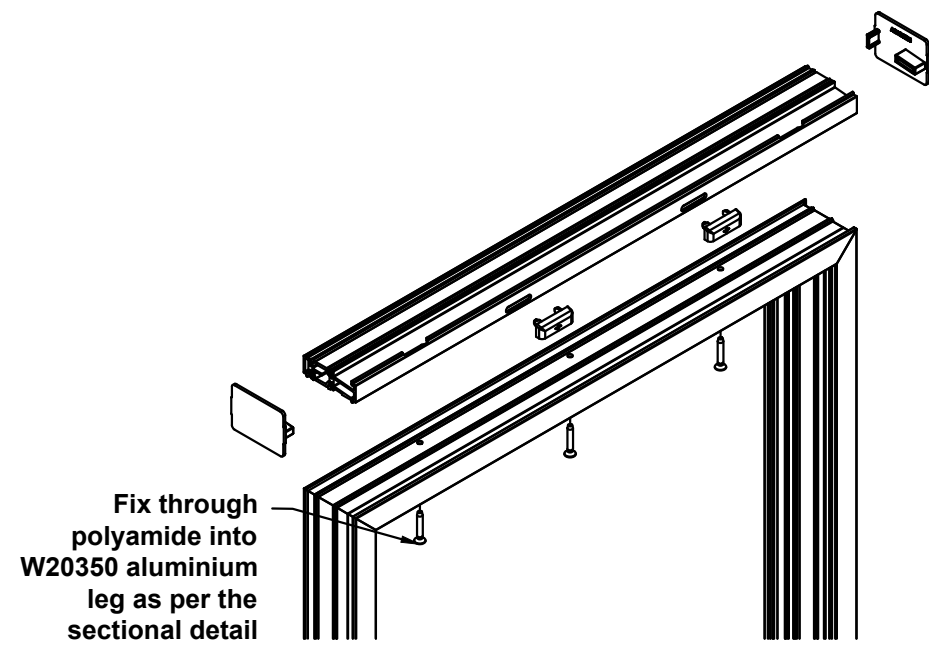


Important Note: Do not screw through drainage channel.



Zone Drainage of Jamb Cavity

CWCT Built up wall guidance recommends drainage of Jamb Cavity

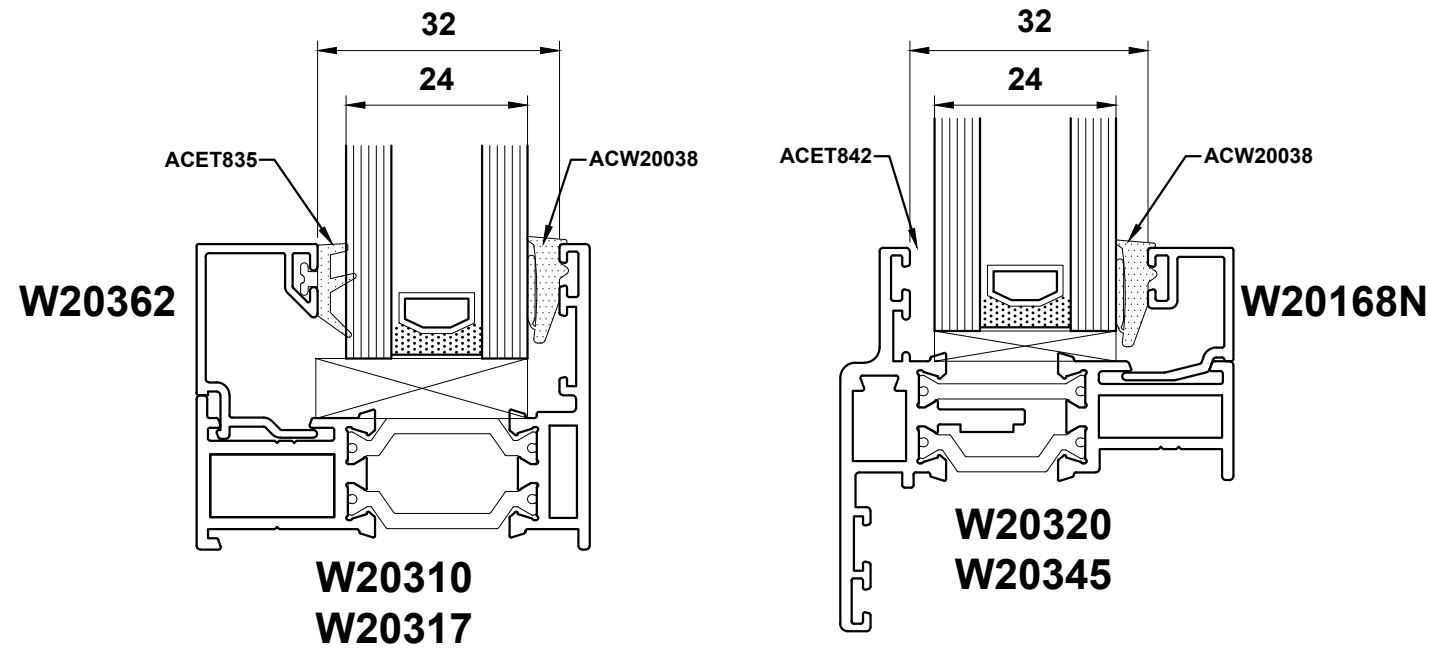


Do Not Scale From This Drawing

Glazing Chart

24mm Glazing

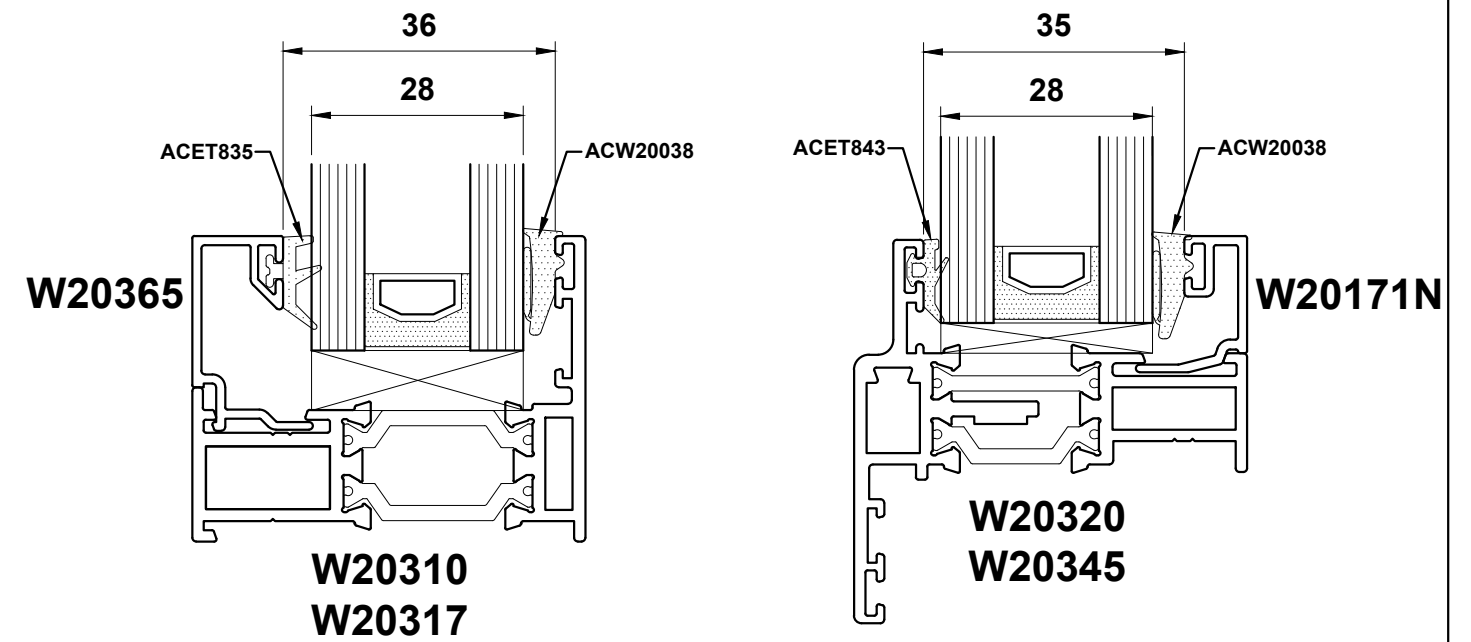
Gasket Glazed



Note: We advise to silicon seal bead in high exposed areas.

28mm Glazing

Gasket Glazed

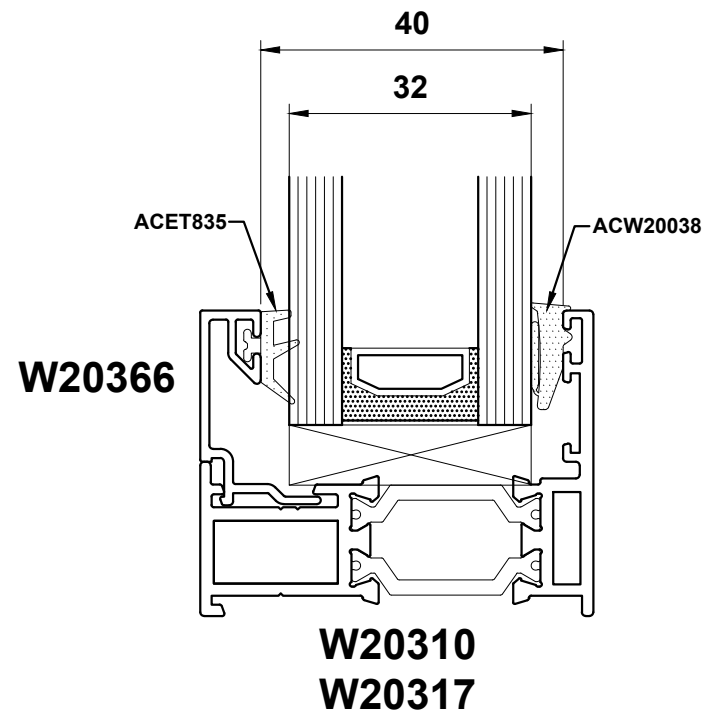


Note: We advise to silicon seal bead in high exposed areas.

Glazing Chart

32mm Glazing

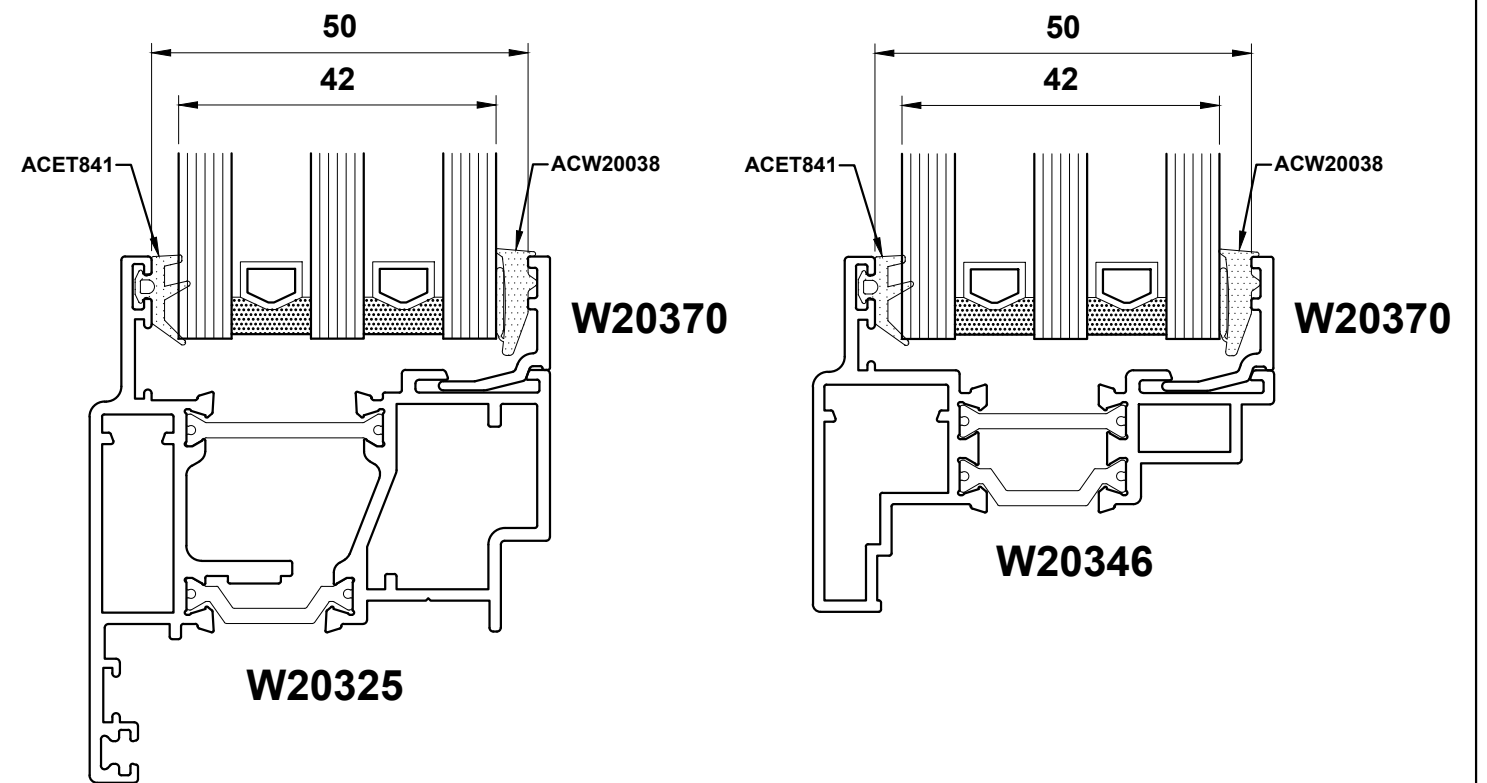
Gasket Glazed



Note: We advise to silicon seal bead in high exposed areas.

42mm Glazing

Gasket Glazed

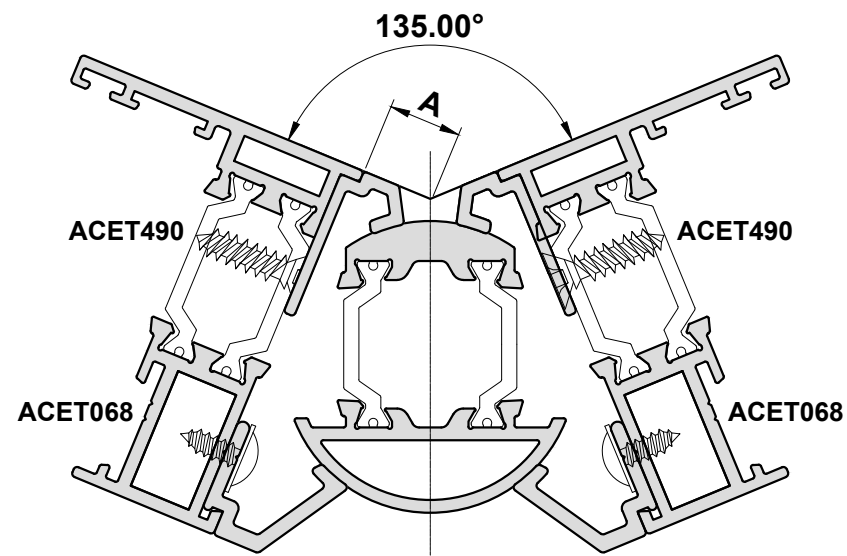
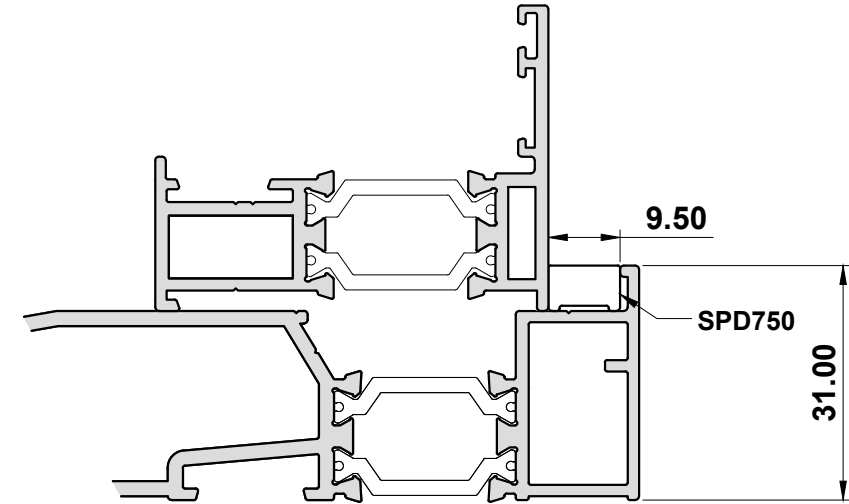
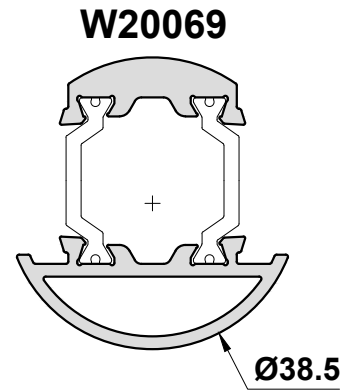
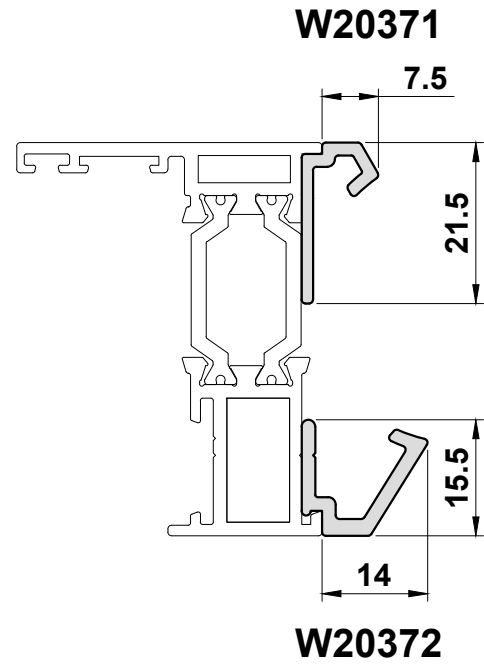


Note: We advise to silicon seal bead in high exposed areas.

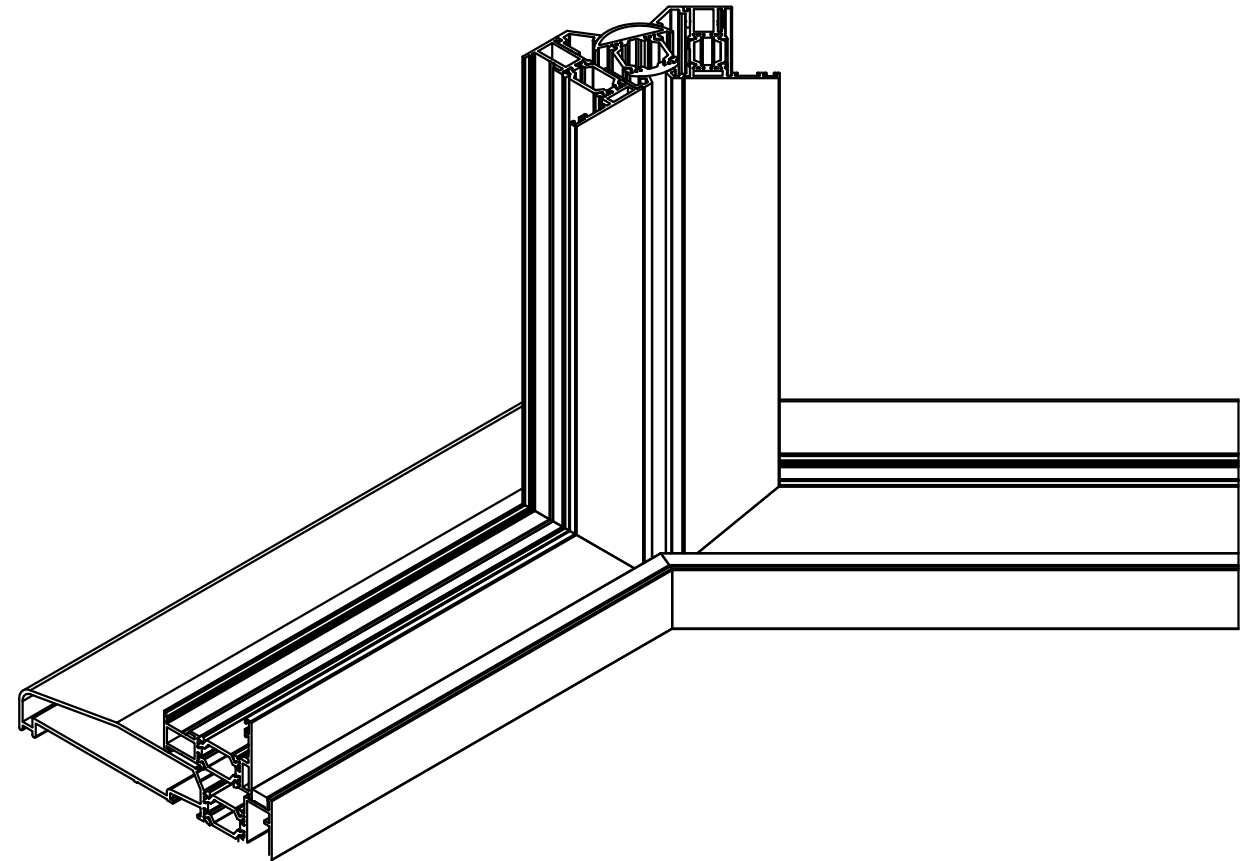
Do Not Scale From This Drawing

W20015 Bay Pole Selection

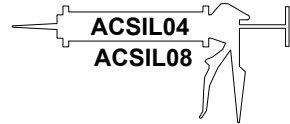
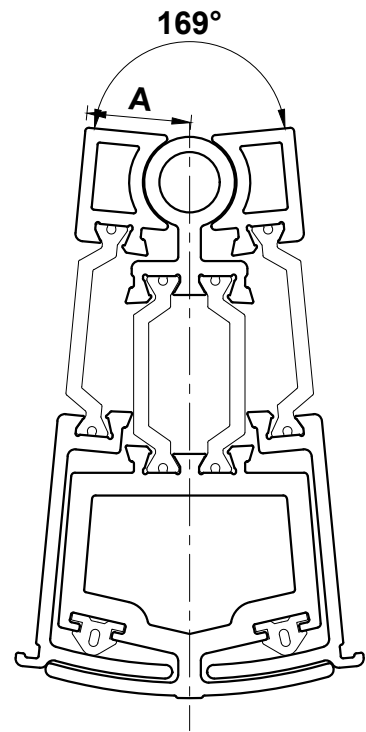
When using W20069 on a cill, we recommend using SPD750 infill to position the assembly forward over the drainage channel.



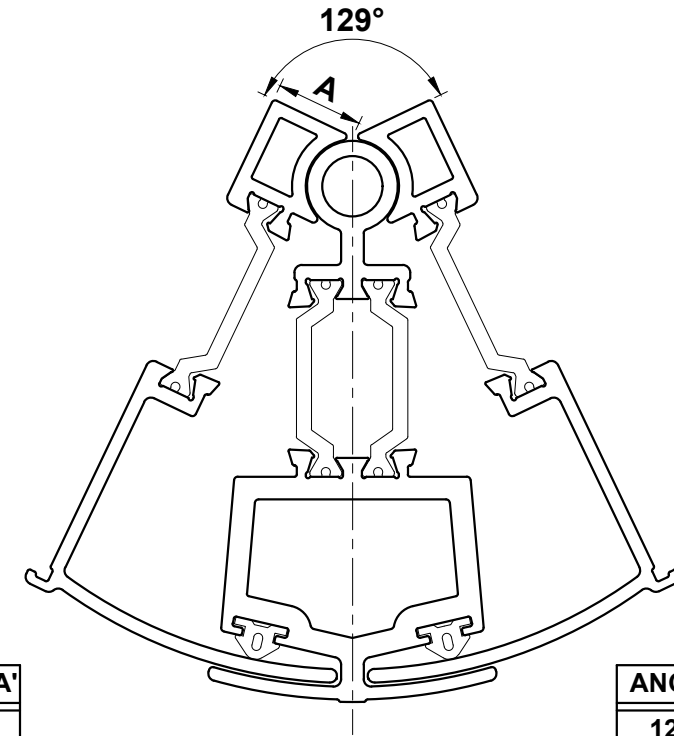
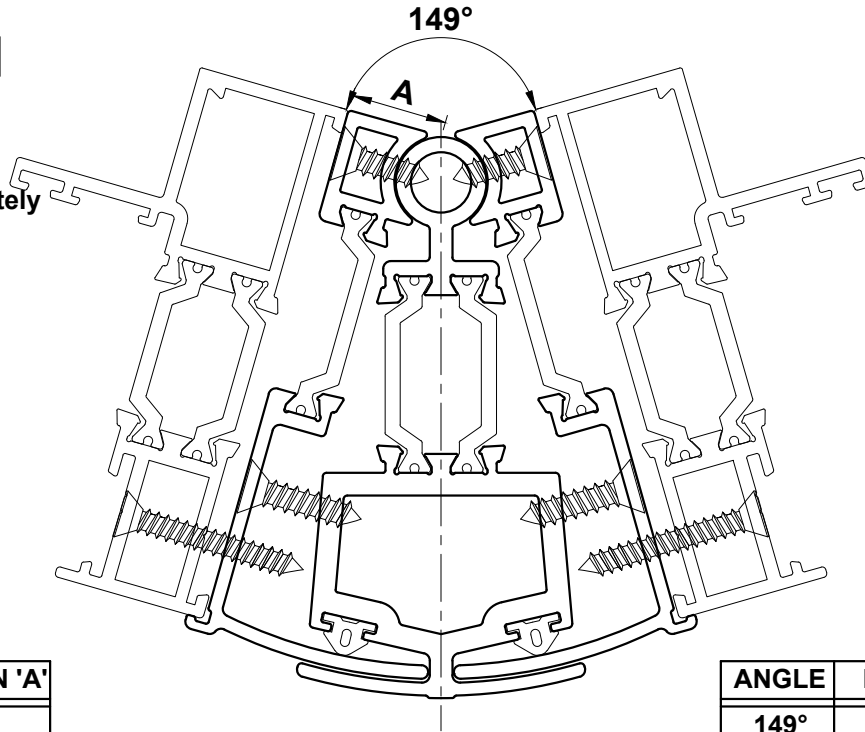
ANGLE	DEDUCTION 'A'
180°	18
175°	17
170°	16
165°	15.5
160°	14.5
155°	13.5
150°	12.5
145°	11.5
140°	10.5
135°	9.5
130°	8.5
125°	7.5
120°	6.5
115°	5



W20317 Bay Pole Selection



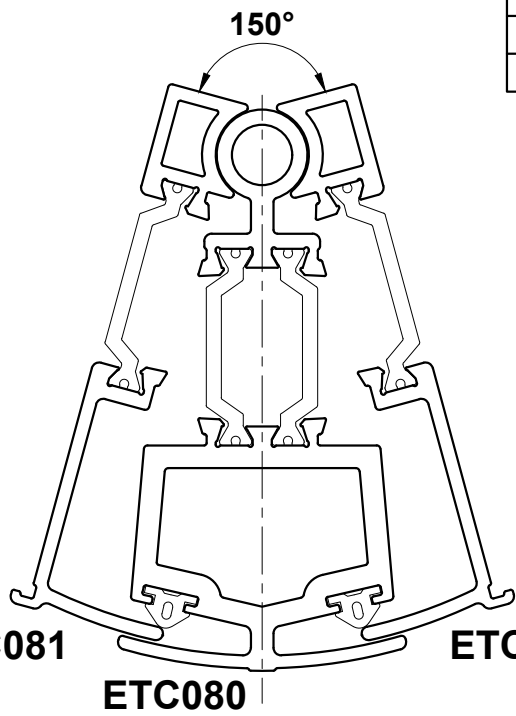
Important Note:
All joints must be adequately sealed using ACSIL04



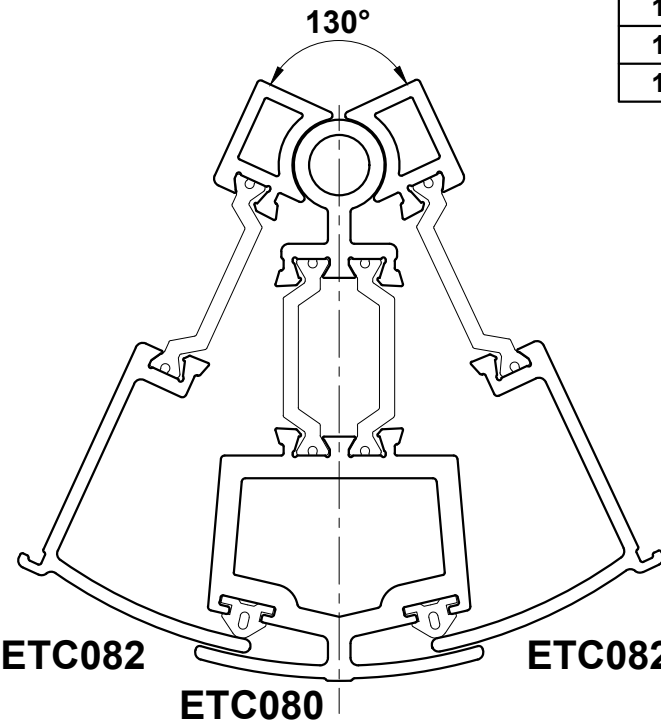
ANGLE	DEDUCTION 'A'
169°	14
165°	13.5
160°	13.6
155°	13
150°	13

ANGLE	DEDUCTION 'A'
149°	12.5
145°	12.5
140°	12
135°	12
130°	11.5

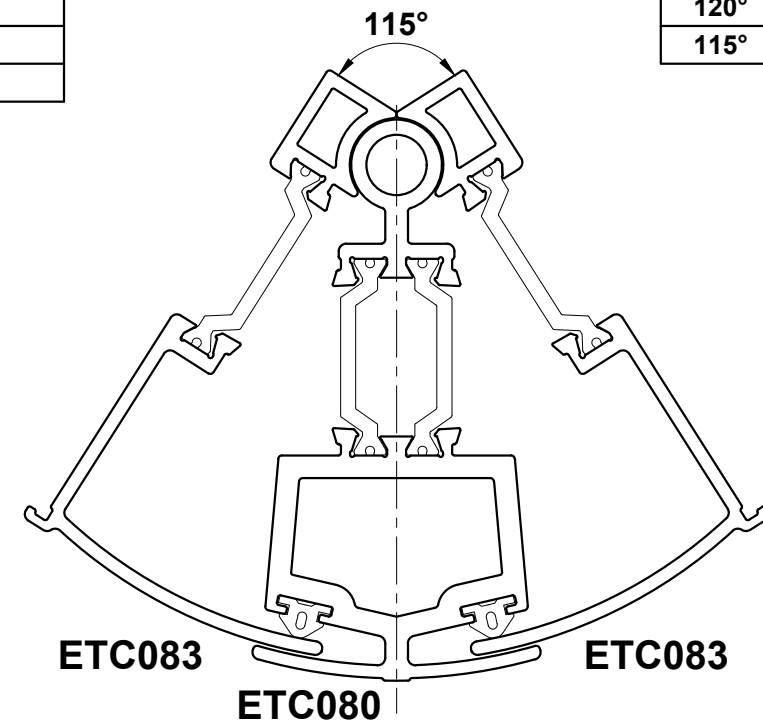
ANGLE	DEDUCTION 'A'
129°	11.5
125°	11.5
120°	11
115°	10.5



ETC081 ETC081
ETC080

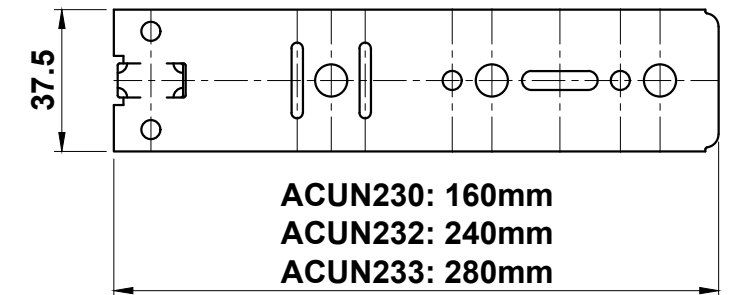
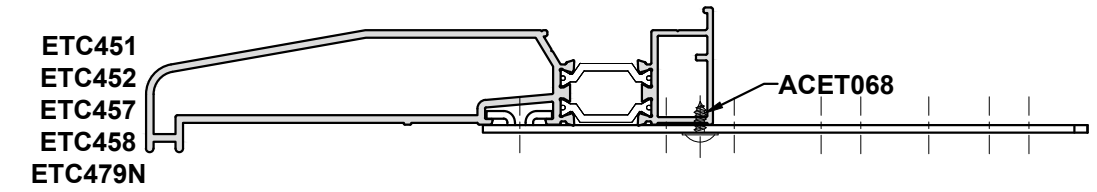
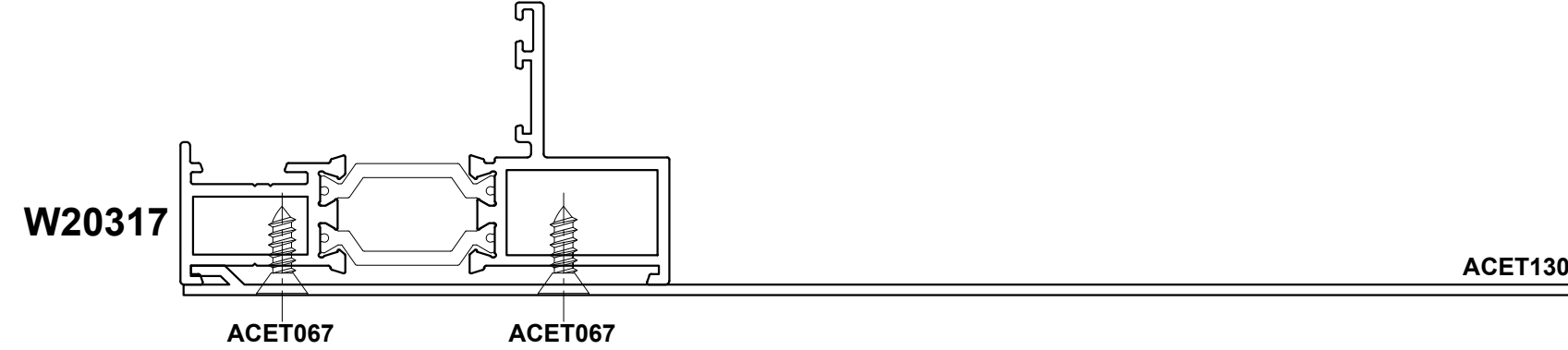


ETC082 ETC082
ETC080

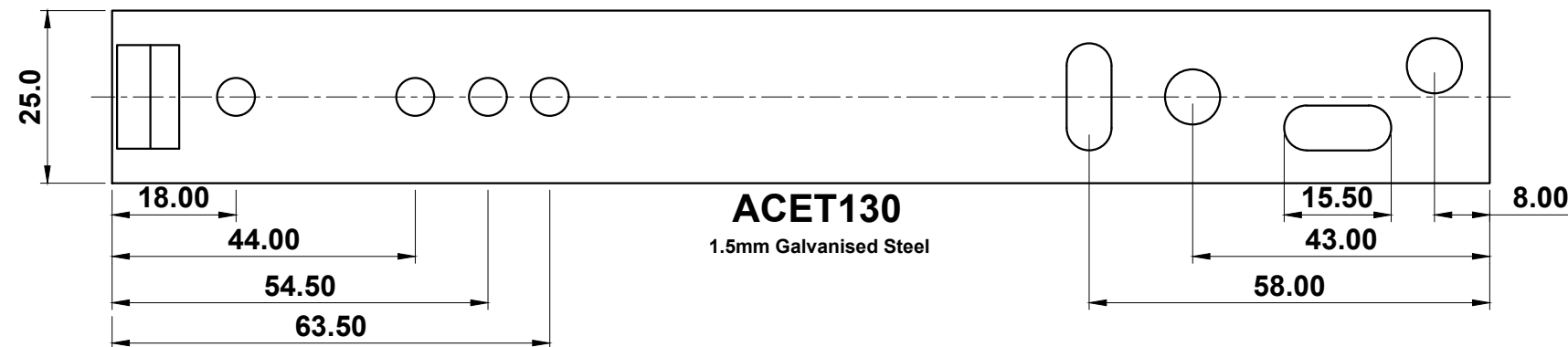


ETC083 ETC083
ETC080

Do Not Scale From This Drawing

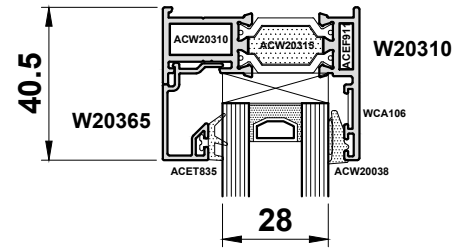


NOTE:
Fixing straps should be spaced a minimum of 150mm in from each end & at a maximum of 300mm apart.

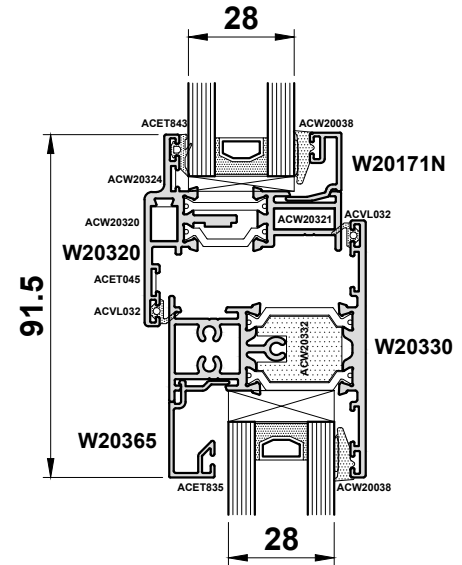
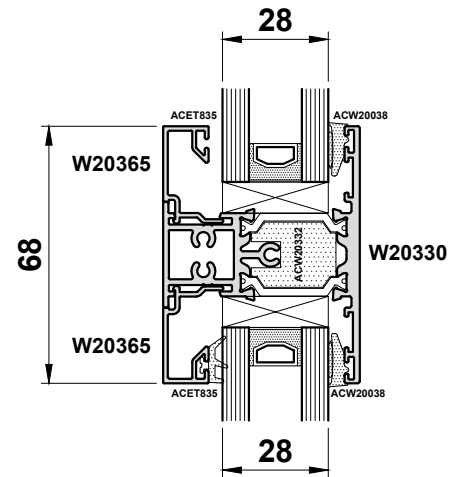
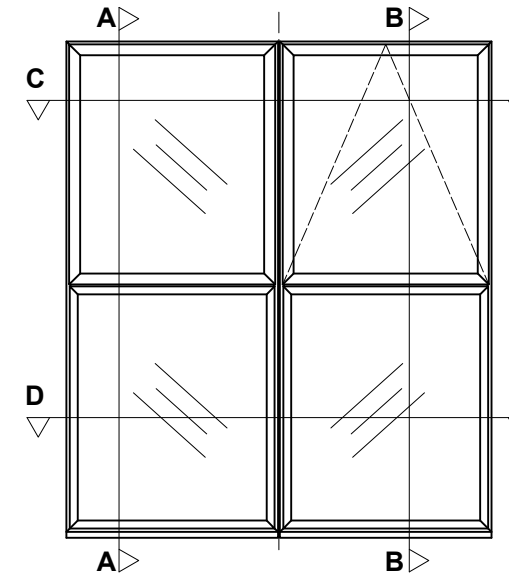
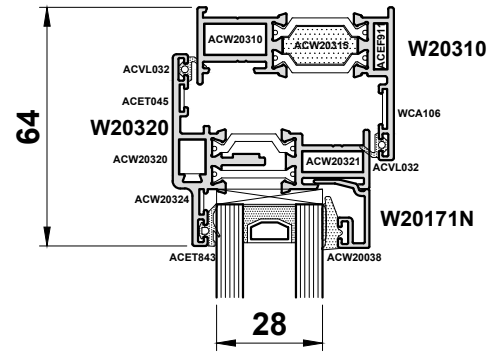


Example Layout

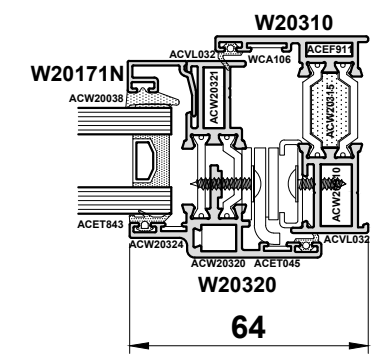
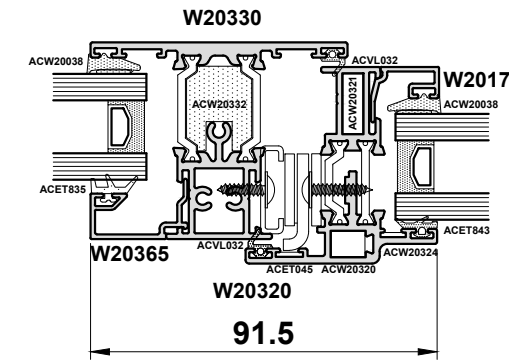
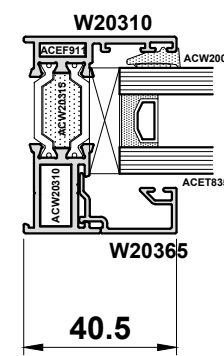
AA



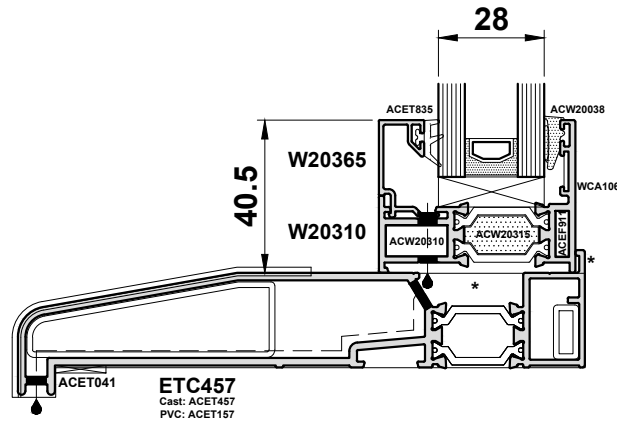
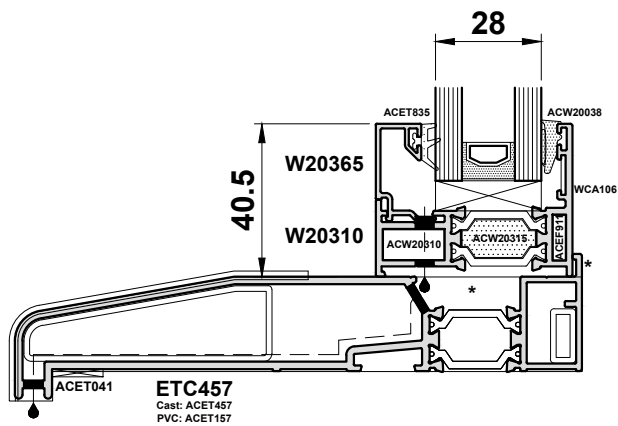
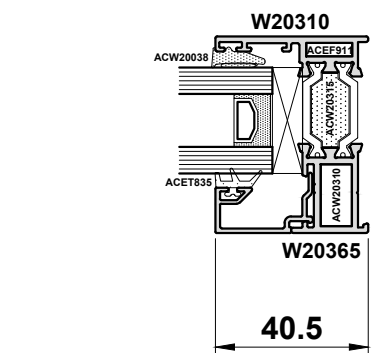
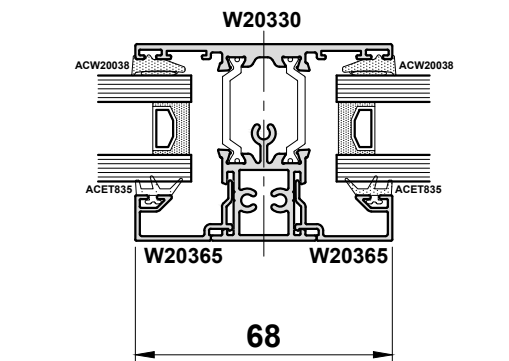
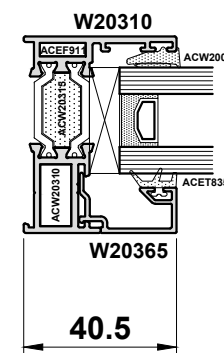
BB



CC



DD



Do Not Scale From This Drawing

Section F



Sawing Tables

Cutting Information..... F03

Cutting Information..... F04

Cutting Information..... F05

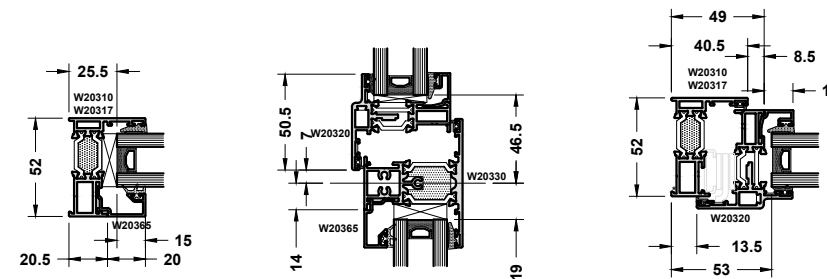
Section F

Cutting Information

PART DESCRIPTIONS	TYPICAL STYLES	[Icons representing 16 different window styles]															
Outer Frame	Head & Cill	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
	Jambs	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
	Transoms		W - 41		W - 41	W - 41	W - 41		OF to €M - 34.5	W - 41		OF to €M - 34.5	€M to €M - 28	W - 41	OF to €M - 34.5	W - 41	
	Mullions							H - 41	H - 41	OF to €T - 34.5	H - 41	H - 41	H - 41	OF to €T - 34.5	H - 41		
Vent (1)	Horizontal Members			W - 27	W - 27	W - 27	W - 27	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	W - 27	
	Vertical Members			H - 27	OF to €T - 20.5	OF to €T - 20.5	€T to €T - 14	H - 27	H - 27	OF to €T - 20.5	H - 27	OF to €T - 20.5	H - 27	OF to €T - 20.5	OF to €T - 20.5	OF to €T - 20.5	
	Glass Width			W - 106	W - 106	W - 106	W - 106	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	W - 106	
	Glass Height			H - 106	OF to €T - 99.5	OF to €T - 99.5	€T to €T - 93	H - 106	H - 106	OF to €T - 99.5	H - 106	OF to €T - 99.5	H - 106	OF to €T - 99.5	OF to €T - 99.5	OF to €T - 99.5	
Vent (2)	Horizontal Members					W - 27		OF to €M - 20.5				OF to €M - 20.5	€M to €M - 14	€M to €M - 14	OF to €M - 20		
	Vertical Members					OF to €T - 20.5		OF to €T - 20.5				OF to €T - 20.5	OF to €T - 20.5	OF to €T - 20.5	OF to €T - 20.5		
	Glass Width					W - 106		OF to €M - 99.5				OF to €M - 99.5	€M to €M - 93	€M to €M - 93	OF to €M - 99.5		
	Glass Height					OF to €T - 99.5		OF to €T - 99.5				OF to €T - 99.5	OF to €T - 99.5	OF to €T - 99.5	OF to €T - 99.5		
Fixed Pane (1)	Glass Width	W - 51	W - 51		W - 51		W - 51	OF to €M - 44.5	OF to €M - 44.5	W - 51	€M to €M - 38	€M to €M - 38	€M to €M - 38	W - 51	OF to €M - 44.5	W - 51	
	Glass Height	H - 51	OF to €T - 44.5		OF to €T - 44.5		OF to €T - 44.5	H - 51	OF to €T - 44.5	OF to €T - 44.5	H - 51	H - 51	OF to €T - 44.5	OF to €T - 44.5	H - 51	OF to €T - 44.5	

Legend
W = Outer Frame Width (Longest Leg)
H = Outer Frame Height (Longest Leg)
€T = Centre Line of Transom
€M = Centre Line of Mullion
OF = Edge of Outer Frame (Longest Leg)

Sections
Outer Frame: W20310, W20317
Sash: W20320
Fixed Light: Beaded
Transom/Mullion: W20330, W20332



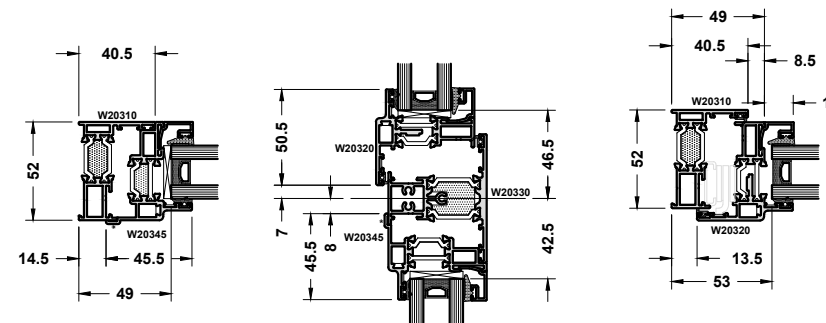
Do Not Scale From This Drawing

Cutting Information

PART DESCRIPTIONS	TYPICAL STYLES	[Icons representing various window styles]															
		[Icon 1]	[Icon 2]	[Icon 3]	[Icon 4]	[Icon 5]	[Icon 6]	[Icon 7]	[Icon 8]	[Icon 9]	[Icon 10]	[Icon 11]	[Icon 12]	[Icon 13]	[Icon 14]	[Icon 15]	[Icon 16]
Outer Frame	Head & Cill	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
	Jambs	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
	Transoms		W - 41		W - 41	W - 41	W - 41		OF to €M - 34.5	W - 41		OF to €M - 34.5	€M to €M - 28	W - 41	OF to €M - 34.5	W - 41	
	Mullions							H - 41	H - 41	OF to €T - 34.5	H - 41	H - 41	H - 41	OF to €T - 34.5	H - 41		
Vent (1)	Horizontal Members			W - 27	W - 27	W - 27	W - 27	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	W - 27	
	Vertical Members			H - 27	OF to €T - 20.5	OF to €T - 20.5	€T to €T - 14	H - 27	H - 27	OF to €T - 20.5	H - 27	OF to €T - 20.5	H - 27	OF to €T - 20.5	OF to €T - 20.5	OF to €T - 20.5	
	Glass Width			W - 106	W - 106	W - 106	W - 106	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	OF to €M - 99.5	W - 106	
	Glass Height			H - 106	OF to €T - 99.5	OF to €T - 93	€T to €T - 99.5	H - 106	H - 106	OF to €T - 99.5	H - 106	OF to €T - 99.5	H - 106	OF to €T - 99.5	OF to €T - 99.5	OF to €T - 99.5	
Vent (2)	Horizontal Members					W - 27		OF to €M - 20.5	OF to €M - 20.5			OF to €M - 20.5	€M to €M - 14	€M to €M - 14	OF to €M - 20.5		
	Vertical Members					OF to €T - 20.5		OF to €T - 20.5	OF to €T - 20.5			OF to €T - 20.5	OF to €T - 20.5	OF to €T - 20.5	OF to €T - 20.5		
	Glass Width					W - 106		OF to €M - 99.5	OF to €M - 99.5			OF to €M - 99.5	€M to €M - 93	€M to €M - 93	OF to €M - 93		
	Glass Height					OF to €T - 99.5		OF to €T - 99.5	OF to €T - 99.5			OF to €T - 99.5	OF to €T - 99.5	OF to €T - 99.5	OF to €T - 99.5		
Fixed Pane (1)	Horizontal Members	W - 29	W - 29		W - 29		W - 29	OF to €M - 22.5	OF to €M - 22.5	W - 29	€M to €M - 16	€M to €M - 16	€M to €M - 16	W - 29	OF to €M - 22.5	W - 29	
	Vertical Members	H - 29	OF to €T - 22.5		OF to €T - 22.5		OF to €T - 22.5	H - 29	OF to €T - 22.5	OF to €T - 22.5	H - 29	H - 29	OF to €T - 22.5	OF to €T - 22.5	H - 29	OF to €T - 22.5	
	Glass Width	W - 98	W - 98		W - 98		W - 98	OF to €M - 91.5	OF to €M - 91.5	W - 98	€M to €M - 85	€M to €M - 85	€M to €M - 85	W - 98	OF to €M - 91.5	W - 98	
	Glass Height	H - 98	OF to €T - 91.5		OF to €T - 91.5		OF to €T - 91.5	H - 98	OF to €T - 91.5	OF to €T - 91.5	H - 98	H - 98	OF to €T - 91.5	OF to €T - 91.5	H - 98	OF to €T - 91.5	

Legend
W = Outer Frame Width (Longest Leg)
H = Outer Frame Height (Longest Leg)
€T = Centre Line of Transom
€M = Centre Line of Mullion
OF = Edge of Outer Frame (Longest Leg)

Sections
Outer Frame: W20310, W20317
Sash: W20320
Fixed Light: W20345
Transom/Mullion: W20330, W20332



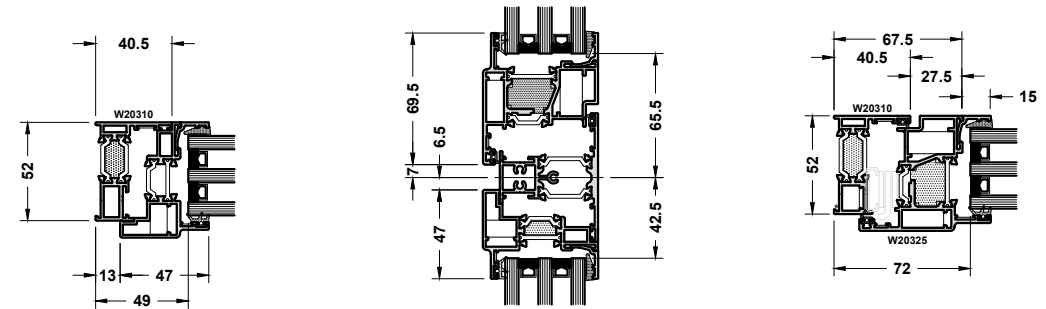
Do Not Scale From This Drawing

Cutting Information

PART DESCRIPTIONS	TYPICAL STYLES	[Icons representing various window styles]															
		[Icon 1]	[Icon 2]	[Icon 3]	[Icon 4]	[Icon 5]	[Icon 6]	[Icon 7]	[Icon 8]	[Icon 9]	[Icon 10]	[Icon 11]	[Icon 12]	[Icon 13]	[Icon 14]	[Icon 15]	
Outer Frame	Head & Cill	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
	Jambs	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
	Transoms		W - 41		W - 41	W - 41	W - 41		OF to €M - 34.5	W - 41		OF to €M - 34.5	€M to €M - 28	W - 41	OF to €M - 34.5	W - 41	
	Mullions							H - 41	H - 41	OF to €T - 34.5	H - 41	H - 41	H - 41	OF to €T - 34.5	H - 41		
Vent (1)	Horizontal Members			W - 27	W - 27	W - 27	W - 27	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	OF to €M - 20.5	W - 27	
	Vertical Members			H - 27	OF to €T - 20.5	OF to €T - 20.5	€T to €T - 14	H - 27	H - 27	OF to €T - 20.5	H - 27	OF to €T - 20.5	H - 27	OF to €T - 20.5	OF to €T - 20.5	OF to €T - 20.5	
	Glass Width			W - 144	W - 144	W - 144	W - 144	OF to €M - 137.5	OF to €M - 137.5	OF to €M - 137.5	OF to €M - 137.5	OF to €M - 137.5	OF to €M - 137.5	OF to €M - 137.5	OF to €M - 137.5	W - 144	
	Glass Height			H - 144	OF to €T - 137.5	OF to €T - 137.5	€T to €T - 131	H - 144	H - 144	OF to €T - 137.5	H - 144	OF to €T - 137.5	H - 144	OF to €T - 137.5	OF to €T - 137.5	OF to €T - 137.5	
Vent (2)	Horizontal Members					W - 27		OF to €M - 20.5				OF to €M - 20.5	€M to €M - 14	€M to €M - 14	OF to €M - 20.5		
	Vertical Members					OF to €T - 20.5		OF to €T - 20.5				OF to €T - 20.5	OF to €T - 20.5	OF to €T - 20.5	OF to €T - 20.5		
	Glass Width					W - 137.5		OF to €M - 137.5				OF to €M - 137.5	€M to €M - 131	€M to €M - 131	OF to €M - 137.5		
	Glass Height					OF to €T - 137.5		OF to €T - 137.5				OF to €T - 137.5	OF to €T - 137.5	OF to €T - 137.5	OF to €T - 137.5		
Fixed Pane (1)	Horizontal Members	W - 26	W - 26		W - 26		W - 26	OF to €M - 19.5	OF to €M - 19.5	W - 26	€M to €M - 13	€M to €M - 13	€M to €M - 13	W - 26	OF to €M - 19.5	W - 26	
	Vertical Members	H - 26	OF to €T - 19.5		OF to €T - 19.5		OF to €T - 19.5	H - 26	OF to €T - 19.5	OF to €T - 19.5	H - 26	H - 26	OF to €T - 19.5	OF to €T - 19.5	H - 26	OF to €T - 19.5	
	Glass Width	W - 98	W - 98		W - 98		W - 98	OF to €M - 91.5	OF to €M - 91.5	W - 98	€M to €M - 85	€M to €M - 85	€M to €M - 85	W - 98	OF to €M - 91.5	W - 98	
	Glass Height	H - 98	OF to €T - 91.5		OF to €T - 91.5		OF to €T - 91.5	H - 98	OF to €T - 91.5	OF to €T - 91.5	H - 98	H - 98	OF to €T - 91.5	OF to €T - 91.5	H - 98	OF to €T - 91.5	

Legend
W = Outer Frame Width (Longest Leg)
H = Outer Frame Height (Longest Leg)
€T = Centre Line of Transom
€M = Centre Line of Mullion
OF = Edge of Outer Frame (Longest Leg)

Sections
Outer Frame: W20310
Sash: W20325
Fixed Light: W20346
Transom/Mullion: W20330, W20332



Do Not Scale From This Drawing