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Updates

DATE	PAGE	DESCRIPTION
01-02-17	E.21 - E.23	Amendments to glazing charts.
01-02-17	F.09 - F.10	Flush window sections amended to show dummy vents for fixed frame solution .
01-02-17	F.09 - F.10	Cutting sheets added for Flush window.
28-06-17	A.21 C.54-C.62	ETC8250 Chevron changed to ACET311
17-04-18	E.23	Updated Glazing Chart for Flush Casement
01-05-18	E.21-23, E.26 E.28	ETC877, ETC878, ETC880, ETC881 & UN3000 Added
29-11-18	B.29	Added ACINDP24 Heavy Duty Friction Hinges
01-05-19	A14, A32 E17 E18	ETC882 superseded by ETC883 New handle fixing detail through bead shown French casement detail added
23-09-19	A11-A14, A21 A32, B21, B35, Section C, E05, E16-E17	ETC883 Bead Updated ETC8255 Externally Beaded Flush Casement Added ETC872 Bead Superseded ACSIL014 Image Updated UN3070 Head Extension Added
11-03-20	All Sections Various Various	Flush French Casement Window Added ACET861, ACET862, ACET863, ACET864, ACET865 & ACET866 Locks removed ETC825 removed
21-11-22	All Sections A31 Various	ETC8252 Flat Flush Casement Added UN3070 35mm x 70mm Head Extension Added ETC825 removed

Specification

GENERAL DESCRIPTION

The "Alitherm 800" window system described in this manual is suitable for domestic or commercial applications as replacement windows for existing buildings, and for installation into new buildings.

The system incorporates internally & externally beaded vent frames suitable for cockspur and espagnolette locking.

The low line gaskets and extended polyamide thermal breaks help to provide excellent U Values and Window Energy Rating capable of achieving an 'A' Rating when used in conjunction with the correct double glazed unit. Please refer to the WER calculator for guidance.

Alitherm 800 is a crimp only system.

Kitemark™ Certificate

No. KM 81543

Size Limitations and Performance Characteristics

Alitherm 800 Aluminium Alloy Window System

Window Type	Width (mm) - Maximum	Height (mm) - Maximum	Perimeter (mm) - Maximum	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	1400	1300	-	-	3	8A	A2	800
Projecting side hung	800	1400	-	-	3	E1050	AE	2000
Overall dimensions for windows with approved outer frame profiles:								
Fixed	2100	2100	4800	-	3	E1050	AE	2000
Overall dimensions for approved outer frames & transom/mullion profiles:								
*Multilights, ETC831 T/M Reinforcement	2100	2100	7100	1450	3	E1050	AE	2000

*Transom/mullion subject to lxx/lyy requirements

⚠ Important! ⚠

The size parameters shown against the 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

PROFILE SPECIFICATION

The window frames are constructed of aluminium alloy extrusion to BS EN 755-9 and BS EN 12020, extruded to 6063 T6 alloy. The internal and external extrusions are separated with a polyamide thermal break.

The external aluminium alloy extrusion is pre-treated and finished either:-

- a) Anodised to BS 3987: 1987, grade AA25 to a natural self colour.
- b) Polyester powder organic coating to BS 6496. Dual colour is available.

GENERAL MANUFACTURING

Outer 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 800 crimping tools 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 silicone seal.

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.

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 and glue 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 gap sealer. After fixing, special care should be taken to ensure any excess is cleared from painted surfaces.

Specification

INTERNALLY BEADED VENT

Corners are formed by coating the cut faces to be joined with a suitable gap sealer. In the mitred corner insert and glue the required corner cleats and chevrons. The 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. Care should be taken to ensure any excess sealer is removed from the surfaces.

The cutting sizes produce vent frames with a cavity of 13mm.

When fixing, the friction stays into both the outer and vent frame, care should be taken to ensure that holes are located on 'V' grooves in the aluminium extrusions.

INTERNALLY BEADED ADAPTOR FRAME

The internally beaded adaptor frame members are cut with 45° mitred ends to the overall size required, measured to the longest point of metal. Care should be taken when measuring and cutting the frame members as only nominal clearance is required when the assembled frame is fixed in the outer frame.

Corners are formed by coating the cut faces to be joined with a suitable small gap sealer. Into the mitred corner insert and glue a corner cleat and the required corner chevrons. The small gap sealer ensures a permanent joint and guards against the ingress of moisture and joint movements. Care should be taken to ensure any excess sealer is removed from painted surfaces.

MULTI-POINT LOCKING

The vent should be prepped for the locking mechanism prior to fabrication and fitted into vent before hanging. Stainless steel fixing should be used for securing the locking mechanism and keeps in position.

TOP HUNG VENTILATORS WHEN USING COCKSPUR HANDLES

(Cockspur handles are not included in the Alitherm 800 Kitemark)

If the width of the ventilator frame is less than 750mm, fit one handle.

If the width of the ventilator is greater than 750mm, fit two handles.

SIDE HUNG VENTILATORS WHEN USING COCKSPUR HANDLES

If the height of the ventilator frame is less than 750mm, fit one handle.

If the height of the ventilator is greater than 750mm, fit two handles.

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. It is advisable to use a gasket roller when using low-line gaskets to ensure a neat finish.

Specification

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.

The below is a summary of testing under Kitemark Licence Numbers: KM81580 & KM81543. The full details may be downloaded from www.smartsystems.co.uk

Alitherm 800 Window Weather Performance (BS6375-1:2009)

BS EN 1026: 2000 Air Permeability:	Class 3 (600Pa)
BS EN 1027: 2000 Watertightness:	Class E1050
BS EN 12211: 2000 Resistance to Wind Load:	Class 5 (2000Pa)

Alitherm 800 Window Operational Performance (BS6375-2:2009)

Alitherm 800 has passed the operational & strength requirements of of BS6375-2

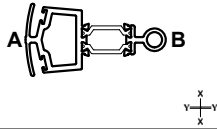
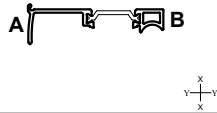
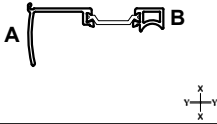
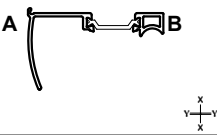
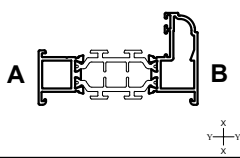
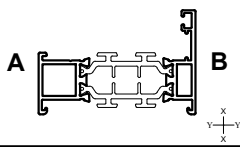
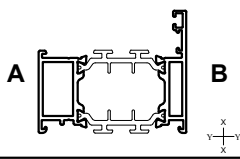
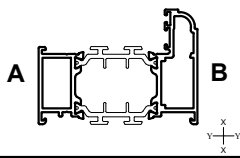
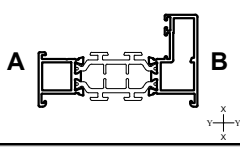
Alitherm 800 Security (PAS24:2012)

Alitherm 800 has been successfully tested to PAS24:2012

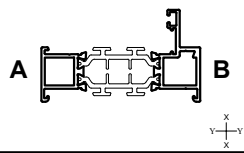
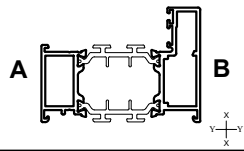
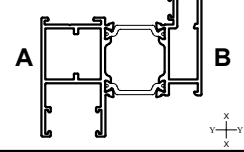
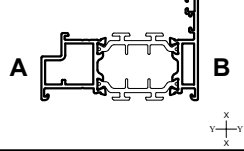
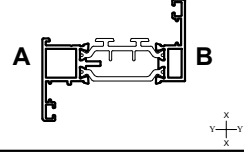
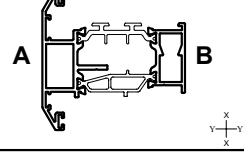
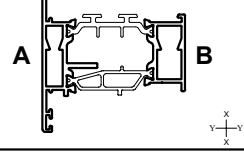
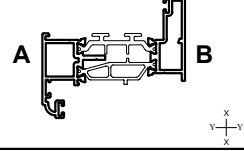
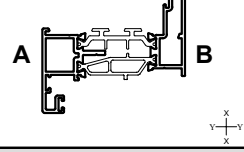
Alitherm 800 Window U Values

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

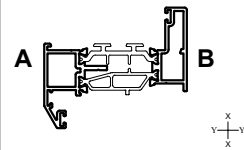
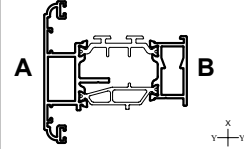
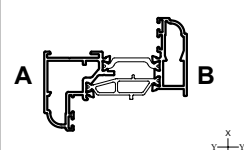
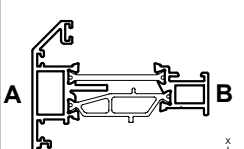
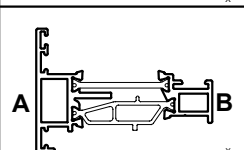
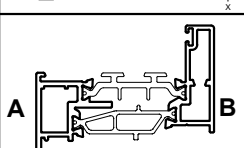
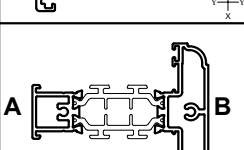
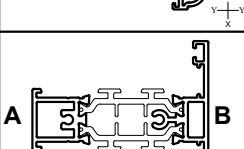
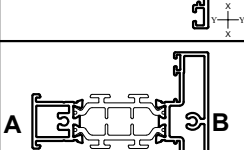
Specification

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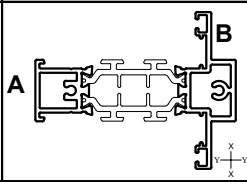
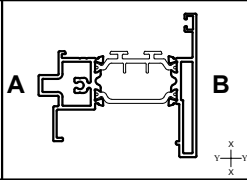
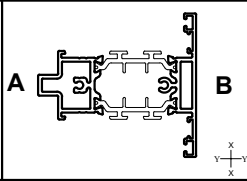
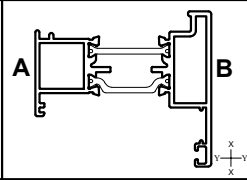
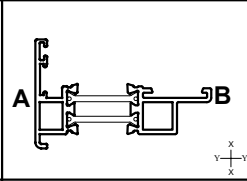
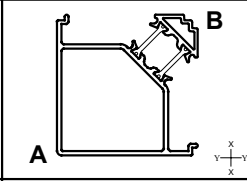
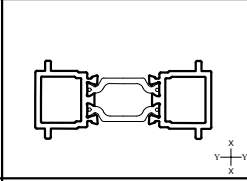
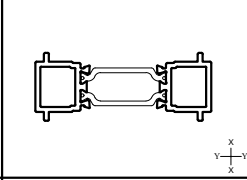
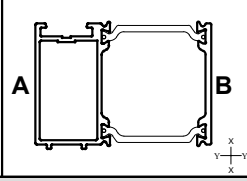
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ETC816		A19	339	106	30.74 ----- 7.74	8.78 ----- 3.9	6.5	1	✓	✓	✓	✓	✓	
ETC817		A19	471	125	35.68 ----- 9.91	16.90 ----- 4.8	6.5	1	✓	✓	✓	✓	✓	
ETC819		A19	295	99	29.23 ----- 9.94	7.48 ----- 2.50	6.5	1	✓	✓	✓	✓	✓	
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ETC823		A21	423	114	26.72 ----- 10.35	9.66 ----- 3.02	6.5	1	✓	✓	✓	✓	✓	
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ETC826		A23	345	99	24.02 ----- 7.50	6.30 ----- 2.24	6.5	1	✓	✓	✓	✓	✓	
ETC827		A23	350	103	24.48 ----- 7.74	6.69 ----- 2.41	6.5	1	✓	✓	✓	✓	✓	
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

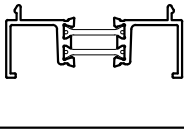
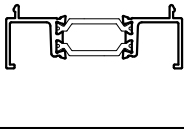

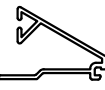
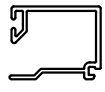
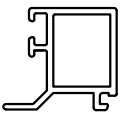
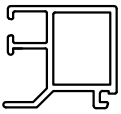

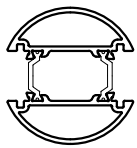
PROFILES : TECHNICAL INFORMATION

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ETC828		A24	338	98	23.69 ----- 7.34	6.14 ----- 2.17	6.5	1	✓	✓	✓	✓	✓	
ETC829		A24	435	119	27.14 ----- 10.64	10.06 ----- 3.15	6.5	1	✓	✓	✓	✓	✓	
ETC8201		A20	349	104	26.84 ----- 7.78	7.23 ----- 2.55	6.5	1	✓	✓	✓	✓	✓	
ETC8250		A22	316	86	19.73 ----- 8.02	4.90 ----- 1.93	6.5	1	✓	✓	✓	✓	✓	
ETC8252		A22	329	76	18.78 ----- 4.95	3.85 ----- 1.62	6.5	1	✓	✓	✓	✓	✓	
ETC8255		A22	325	93	22.38 ----- 6.95	5.85 ----- 2.19	6.5	1	✓	✓	✓	✓	✓	
ETC830		A25	307	101	24.81 ----- 5.87	6.56 ----- 2.41	6.5	1	✓	✓	✓	✓	✓	
ETC832		A25	336	90	18.32 ----- 5.05	3.89 ----- 1.43	6.5	1	✓	✓	✓	✓	✓	
ETC834		A26	312	109	23.81 ----- 5.99	7.24 ----- 2.6	6.5	1	✓	✓	✓	✓	✓	
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

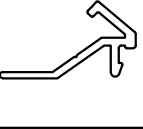
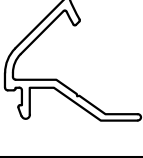
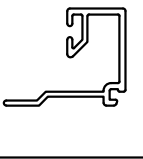
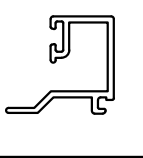
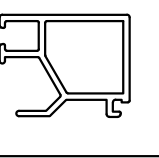

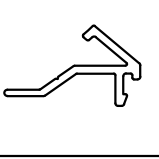
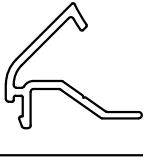

PROFILES : TECHNICAL INFORMATION

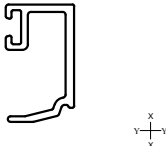
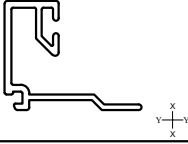
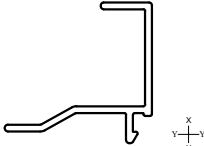
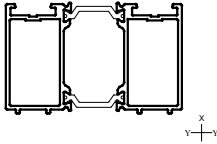
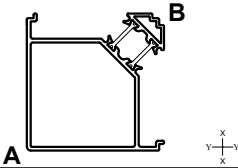
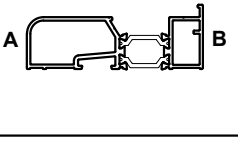
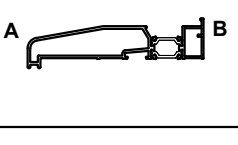
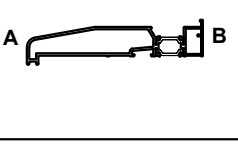
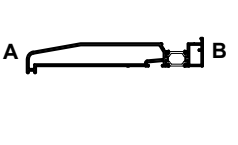
Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M	
ETC835		A26	324	109	23.81 ----- 5.76	4.36 ----- 1.6	6.5	1	✓	✓	✓	✓	✓	
ETC8350		A27	397	120	32.22 ----- 8.02	9.16 ----- 3.08	6.5	1	✓	✓	✓	✓	✓	
ETC839		A27	347	127	29.67 ----- 7.17	7.10 ----- 2.25	6.5	1	✓	✓	✓	✓	✓	
ETC845		A28	342	104	20.19 ----- 8.06	6.17 ----- 2.8	6.5	1	✓	✓	✓	✓	✓	
ETC846		A28	273	44	10.17 ----- 2.74	1.66 ----- 1.12	6.5	1	✓	✓	✓	✓	✓	
ETC848		A29	375	140	27.88 ----- 8.78	27.88 ----- 8.78	6.5	1	✓	✓	✓	✓	✓	
ETC852		A30	230	41	16.21 ----- 5.32	1.94 ----- 1.4	6.5	1	✓	✓	✓	✓	✓	
ETC853		A30	230	41	23.28 ----- 6.65	1.94 ----- 1.4	6.5	1	✓	✓	✓	✓	✓	
ETC856		A31	293	85	18.10 ----- 6.48	7.25 ----- 3.19	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	
ETC857		A30	253	70	10.67 ----- 3.50	0.96 ----- 0.7	6.5	1	✓	✓	✓	✓	✓	
ETC858		A30	253	70	15.43 ----- 4.41	0.96 ----- 0.7	6.5	1	✓	✓	✓	✓	✓	
ETC861		A34	154	36	** ----- **	** ----- **	6.5	1	✓	✓	✓	✓		
ETC862		A32	138	31	** ----- **	** ----- **	6.5	1	✓	✓	✓	✓		
ETC864		A32	162	40	** ----- **	** ----- **	6.5	1	✓	✓	✓	✓		
ETC865		A36	108	33	** ----- **	** ----- **	6.5	1	✓	✓	✓	✓		
ETC866N		A36	123	39	** ----- **	** ----- **	6.5	1	✓	✓	✓	✓		
ETC867		A34	134	28	** ----- **	** ----- **	6.5	1	✓	✓	✓	✓		
ETC869		A37	332	144	** ----- **	** ----- **	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	
ETC870		A37	91	13	** ----	** ----	6.5	1	✓	✓	✓	✓		
ETC871		A37	116	23	** ----	** ----	6.5	1	✓	✓	✓	✓		
ETC873		A35	138	30	** ----	** ----	6.5	1	✓	✓	✓	✓		
ETC875		A36	134	31	** ----	** ----	6.5	1	✓	✓	✓	✓		
ETC877		A36	127	41	** ----	** ----	6.5	1	✓	✓	✓	✓		
ETC879		A34	129	26	** ----	** ----	6.5	1	✓	✓	✓	✓		
ETC880		A37	94	15	** ----	** ----	6.5	1	✓	✓	✓	✓		
ETC881		A37	120	24	** ----	** ----	6.5	1	✓	✓	✓	✓		
ETC883		A33	113	38	** ----	** ----	6.5	1	✓	✓	✓	✓		
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M	
ETC884		A33	104	31	** ---- **	** ---- **	6.5	1	✓	✓	✓	✓		
ETC885		A35	134	26	** ---- **	** ---- **	6.5	1	✓	✓	✓	✓		
ETC886		A39	118	31	** ---- **	** ---- **	6.5	1	✓	✓	✓	✓		
DV515		A31	356	86	27.2 ---- 7.8	14.4 ---- 6.8	6.5	1	✓	✓	✓	✓	✓	
ETC048		A29	414	152	42.64 ---- 11.72	42.64 ---- 11.81	6.5	1	✓	✓	✓	✓	✓	
ETC451		A40	304	109	32.44 ---- 7.29	3.46 ---- 2.79	6.5	1	✓	✓	✓	✓	✓	
ETC452		A40	414	197	122.46 ---- 18.03	6.01 ---- 3.34	6.5	1	✓	✓	✓	✓	✓	
ETC457		A40	444	212	163.27 ---- 21.60	6.79 ---- 3.73	6.5	1	✓	✓	✓	✓	✓	
ETC458		A41	524	252	313.62 ---- 32.63	8.87 ---- 4.79	6.5	1	✓	✓	✓	✓	✓	
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

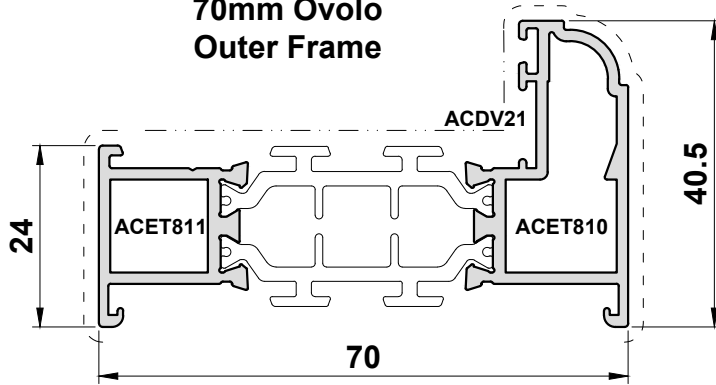
PROFILES : TECHNICAL INFORMATION

Number	Picture	Page	Perim. mm	Mec. mm	Ix(cm4) wx(cm3)	Iy(cm4) wy(cm3)	Length	Pack pr.	MF						
ETC477		A42	752	408	1591.6 ----- 105.33	26.84 ----- 12.84	6.5	1	✓	✓	✓	✓	✓	✓	
ETC479N		A41	591	409	572.5 ----- 11.6	50 ----- 6.41	6.5	1	✓	✓	✓	✓	✓	✓	
UN3000		A30	200	52	15.8 ----- 4.51	0.79 ----- 0.84	6.5	1	✓	✓	✓	✓	✓	✓	
UN3070		A31	253	71	27.6 ----- 7.82	5.74 ----- 3.15	6.5	1	✓	✓	✓	✓	✓	✓	
									A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				

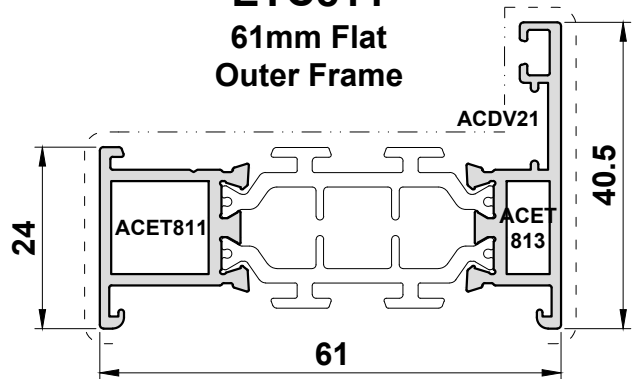
Primary Visible Side

Secondary Visible Side

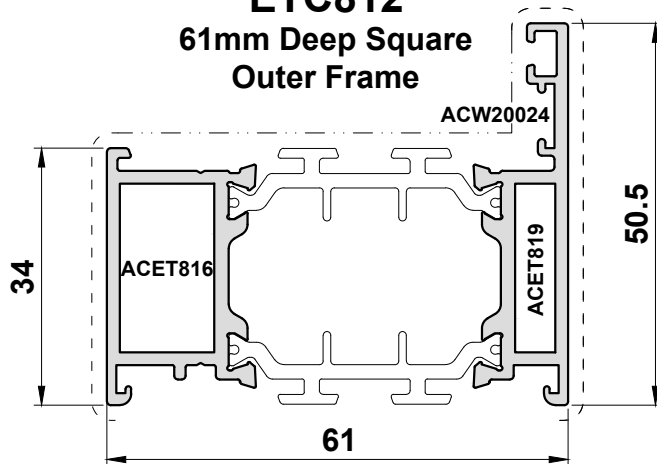
ETC810
70mm Ovolo
Outer Frame



ETC811
61mm Flat
Outer Frame



ETC812
61mm Deep Square
Outer Frame

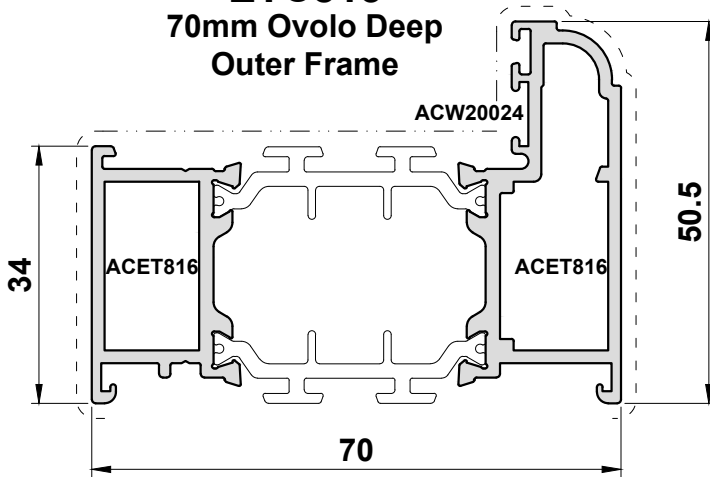


Scale 1:1

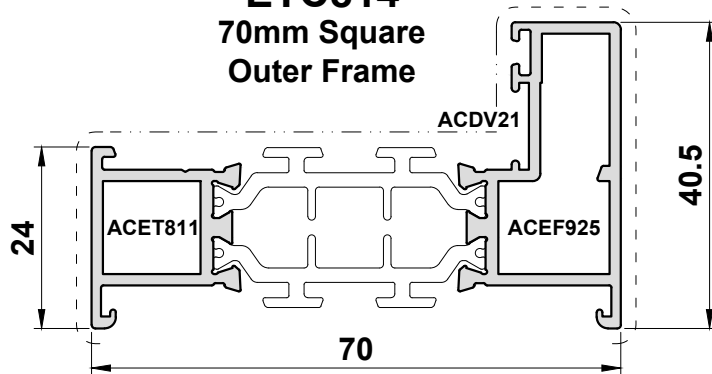
Primary Visible Side

Secondary Visible Side

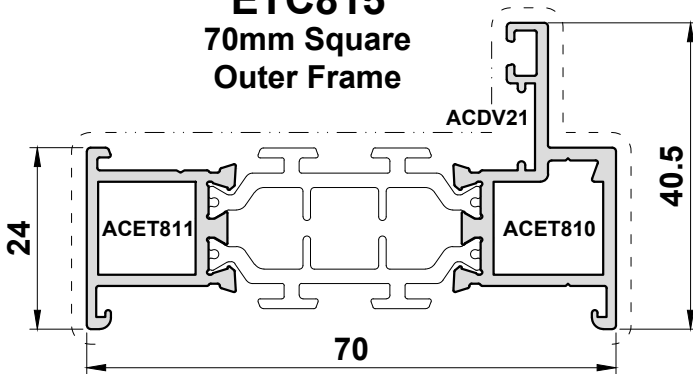
ETC813
70mm Ovolo Deep
Outer Frame



ETC814
70mm Square
Outer Frame



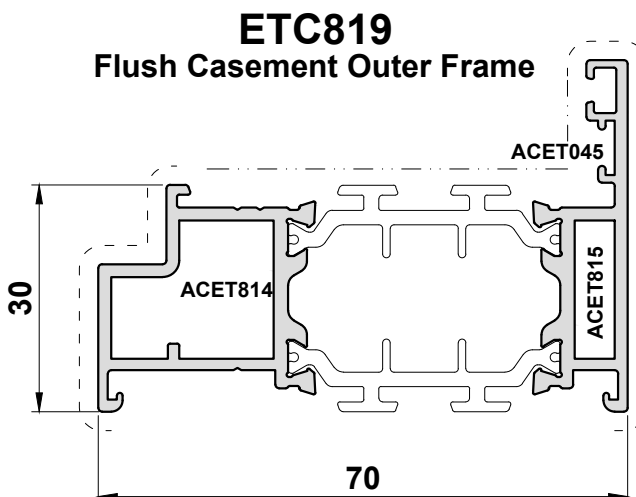
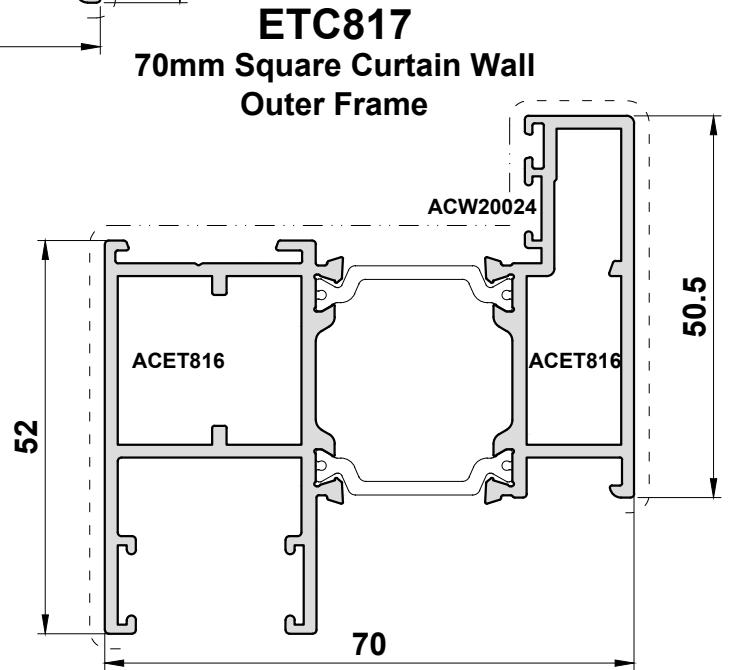
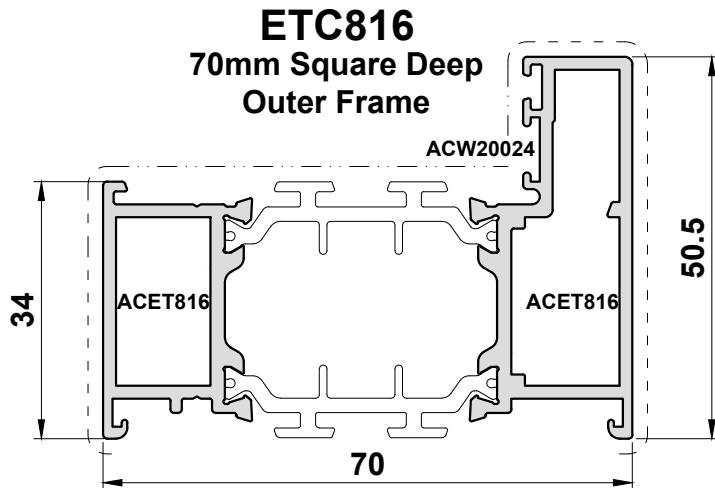
ETC815
70mm Square
Outer Frame



Scale 1:1

Primary Visible Side

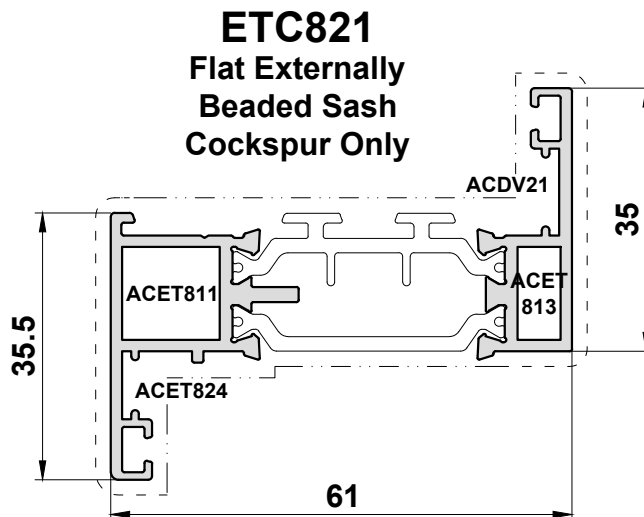
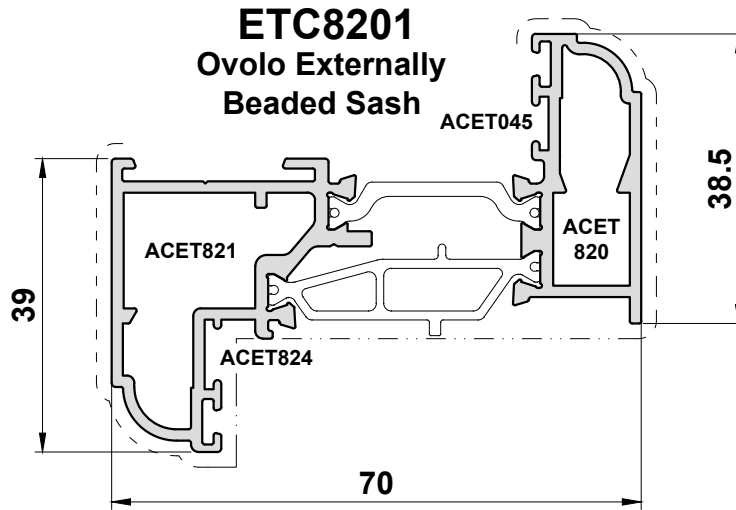
Secondary Visible Side



Scale 1:1

Primary Visible Side

Secondary Visible Side



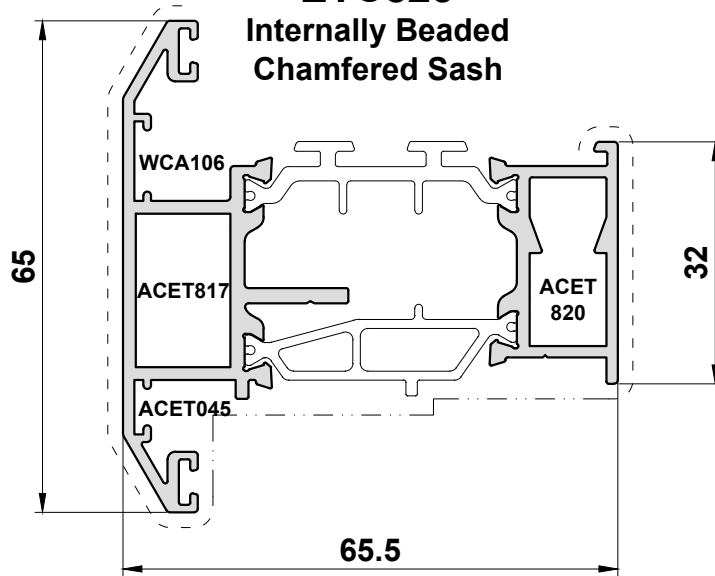
Scale 1:1

Primary Visible Side

Secondary Visible Side

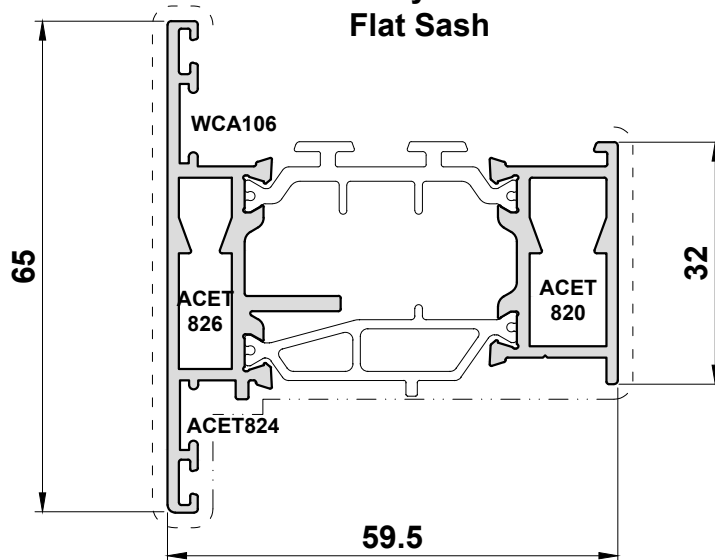
ETC823

**Internally Beaded
Chamfered Sash**



ETC824

**Internally Beaded
Flat Sash**

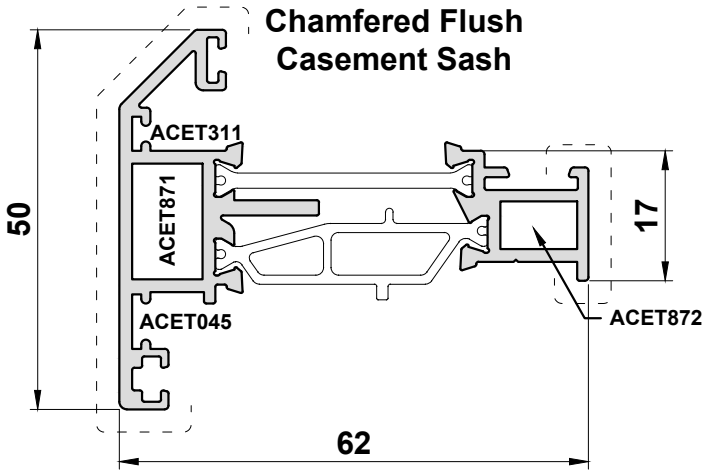


Scale 1:1

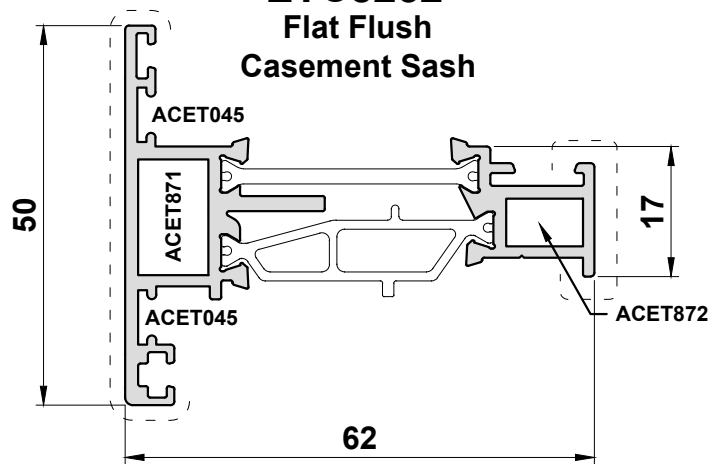
Primary Visible Side

Secondary Visible Side

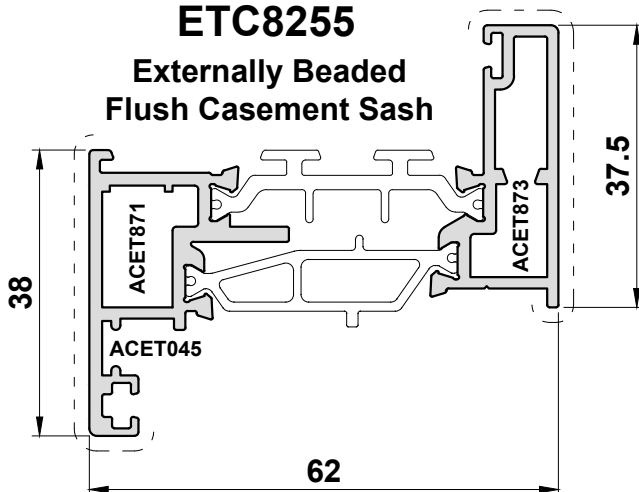
ETC8250
Chamfered Flush
Casement Sash



ETC8252
Flat Flush
Casement Sash



ETC8255
Externally Beaded
Flush Casement Sash

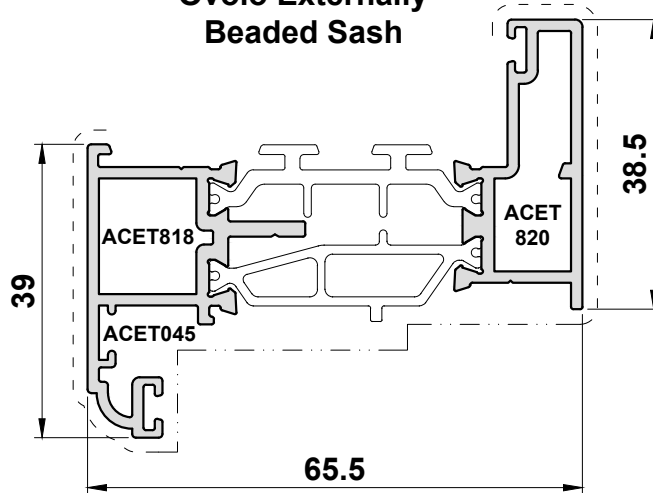


Scale 1:1

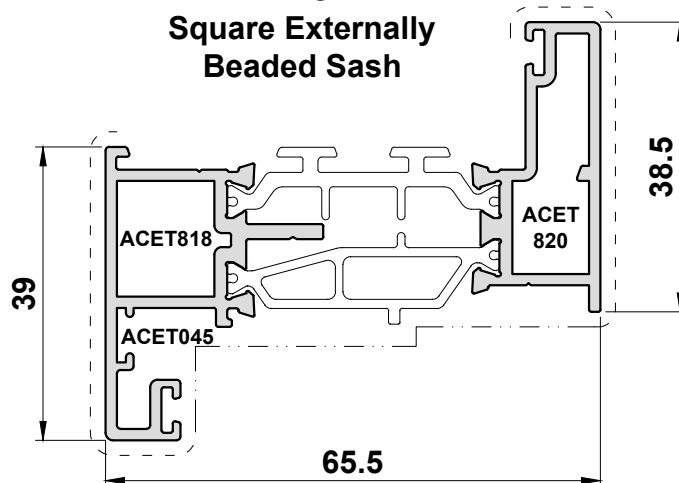
Primary Visible Side

Secondary Visible Side

ETC826
Ovolo Externally
Beaded Sash



ETC827
Square Externally
Beaded Sash

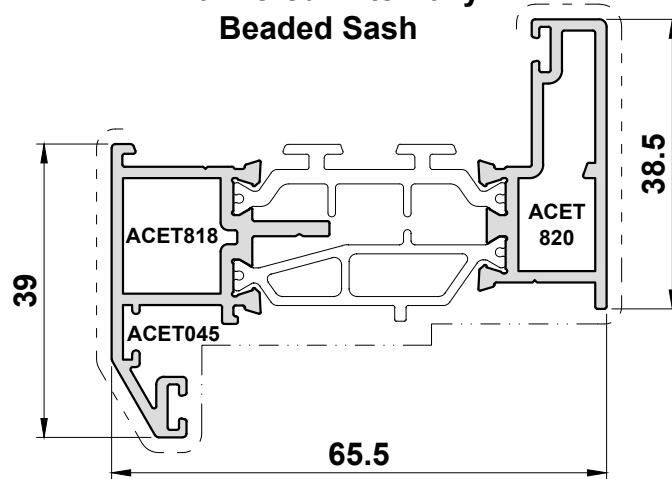


Scale 1:1

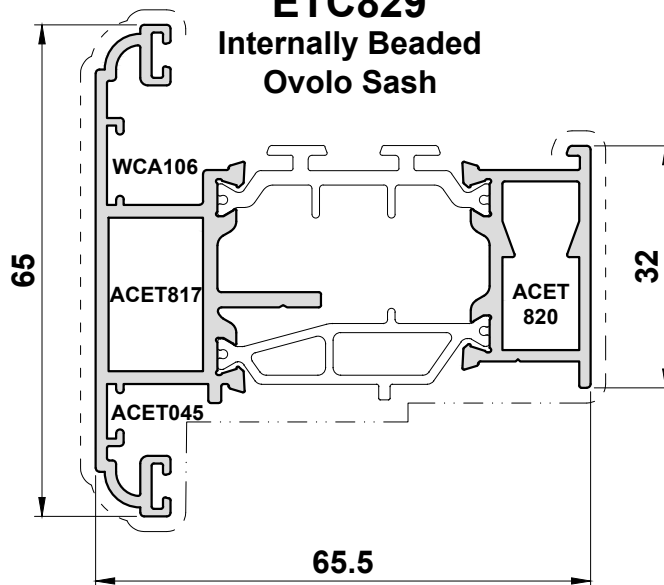
Primary Visible Side

Secondary Visible Side

ETC828 Chamfered Externally Beaded Sash



ETC829 Internally Beaded Ovolo Sash

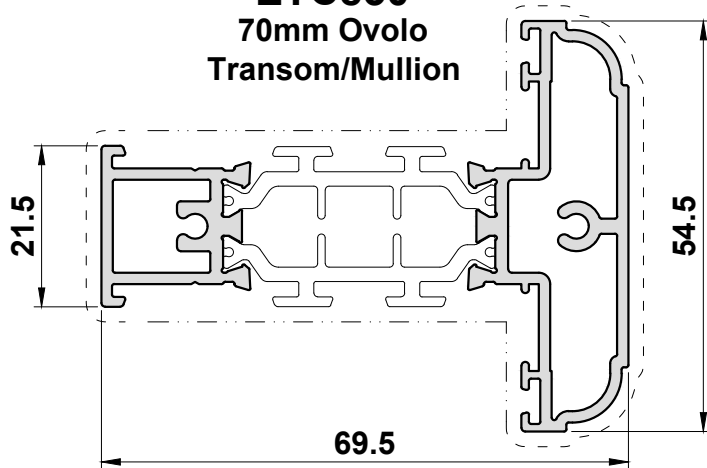


Scale 1:1

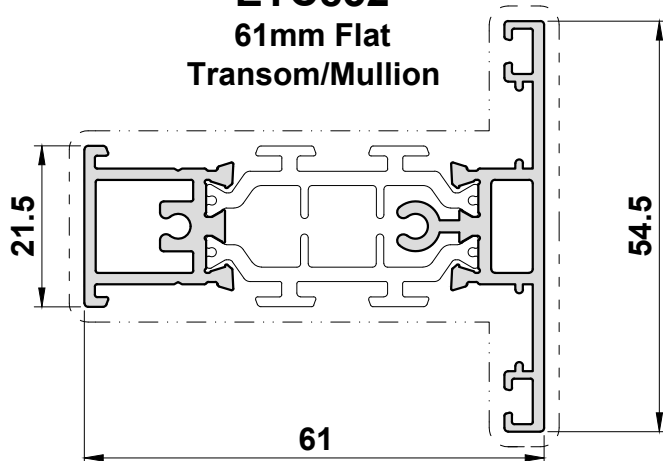
Primary Visible Side

Secondary Visible Side

ETC830
70mm Ovolo
Transom/Mullion



ETC832
61mm Flat
Transom/Mullion

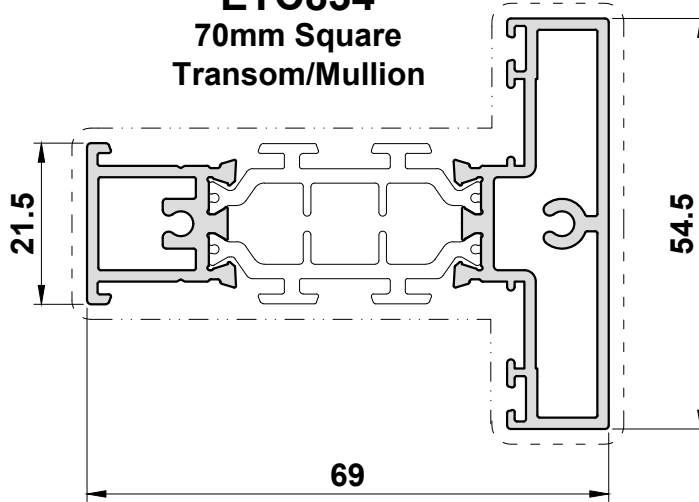


Scale 1:1

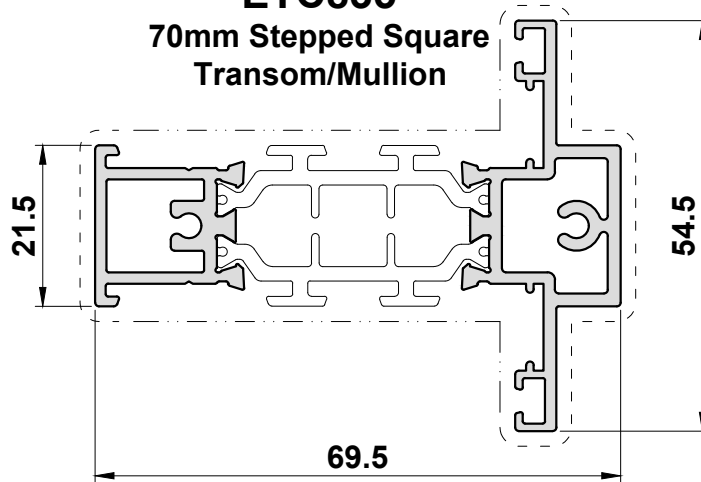
Primary Visible Side

Secondary Visible Side

ETC834
70mm Square
Transom/Mullion



ETC835
70mm Stepped Square
Transom/Mullion

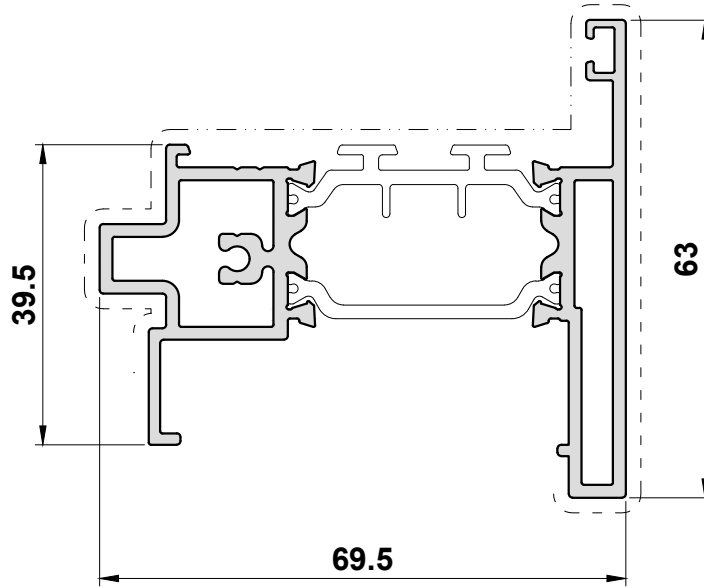


Scale 1:1

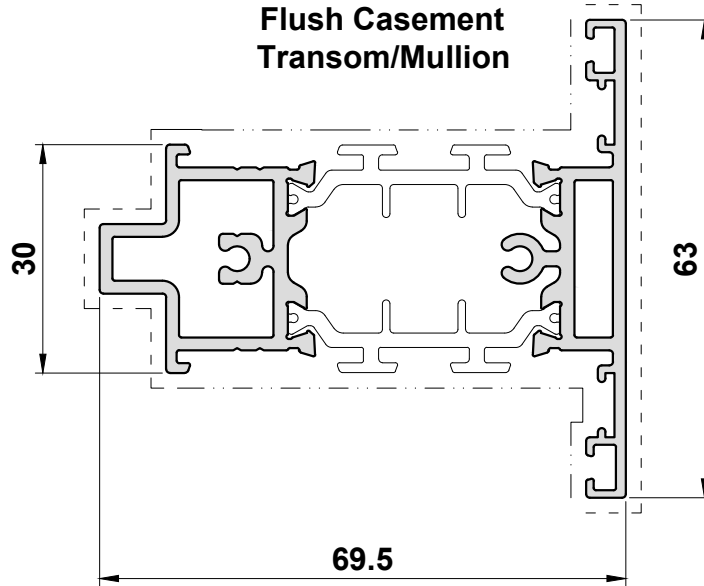
Primary Visible Side

Secondary Visible Side

ETC8350
French Casement Mullion



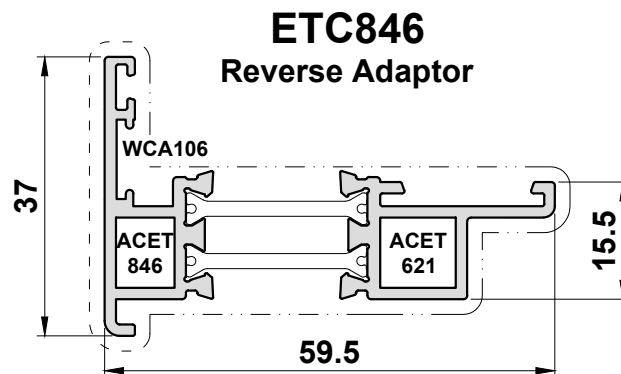
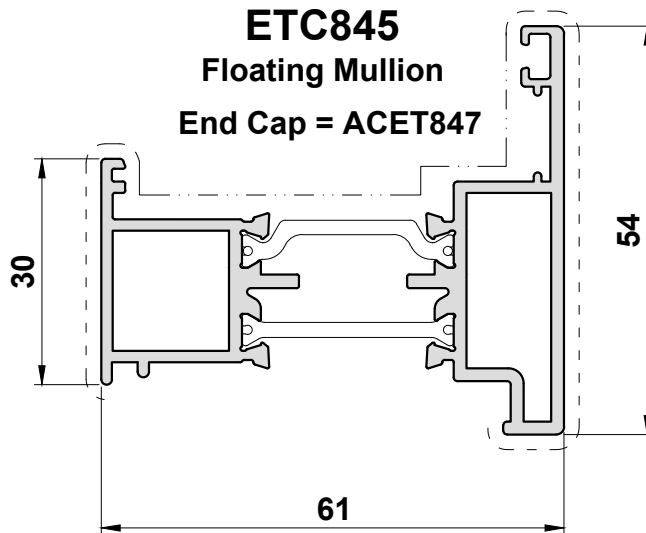
ETC839
Flush Casement
Transom/Mullion



Scale 1:1

Primary Visible Side

Secondary Visible Side

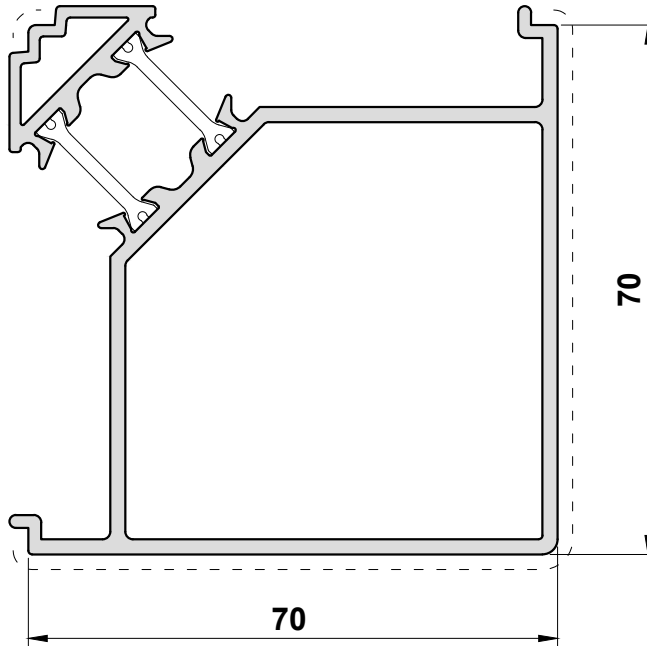


Scale 1:1

Primary Visible Side

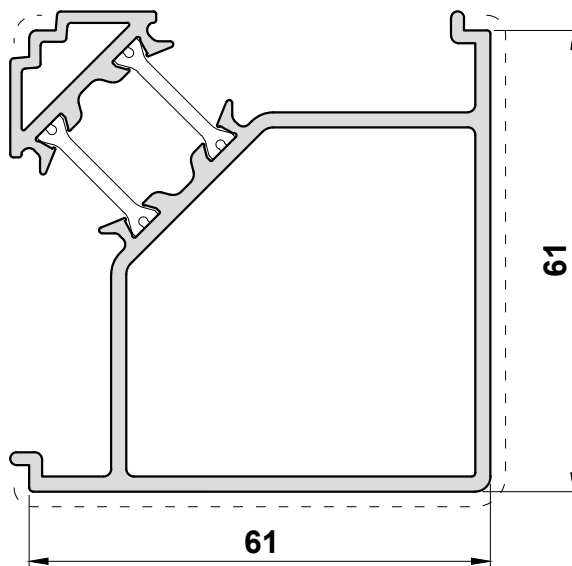
Secondary Visible Side

ETC048
70mm 90° Corner Post



ETC810 ETC815
ETC813 ETC816
ETC814

ETC848
61mm 90° Corner Post



ETC811
ETC812

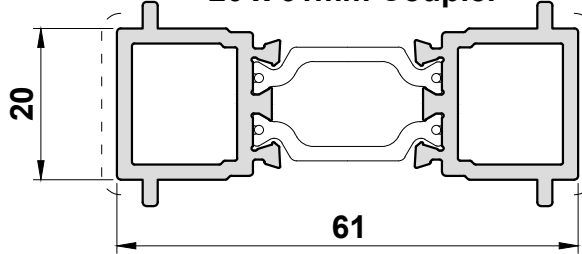
Scale 1:1

Primary Visible Side

Secondary Visible Side

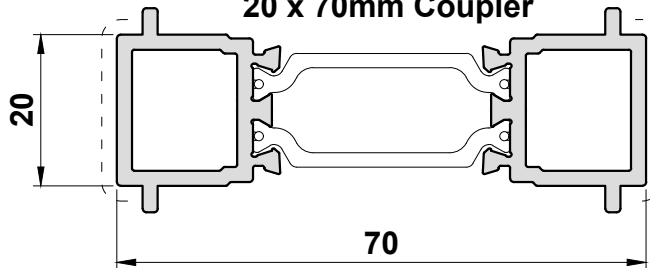
ETC852

20 x 61mm Coupler



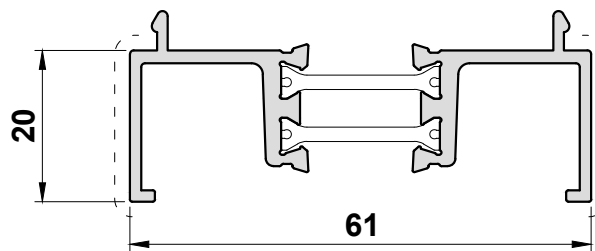
ETC853

20 x 70mm Coupler



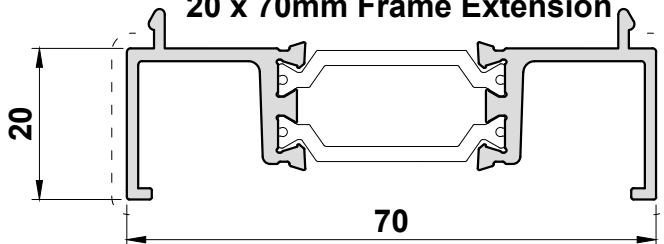
ETC857

20 x 61mm Frame Extension



ETC858

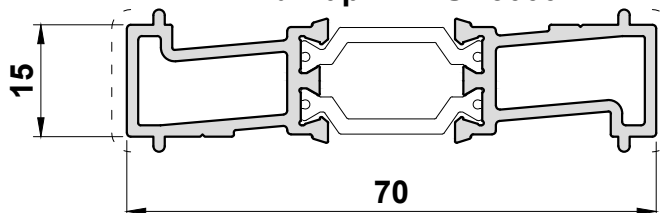
20 x 70mm Frame Extension



UN3000

15 x 70mm Horizontal Coupler

End Cap = ACUN3000

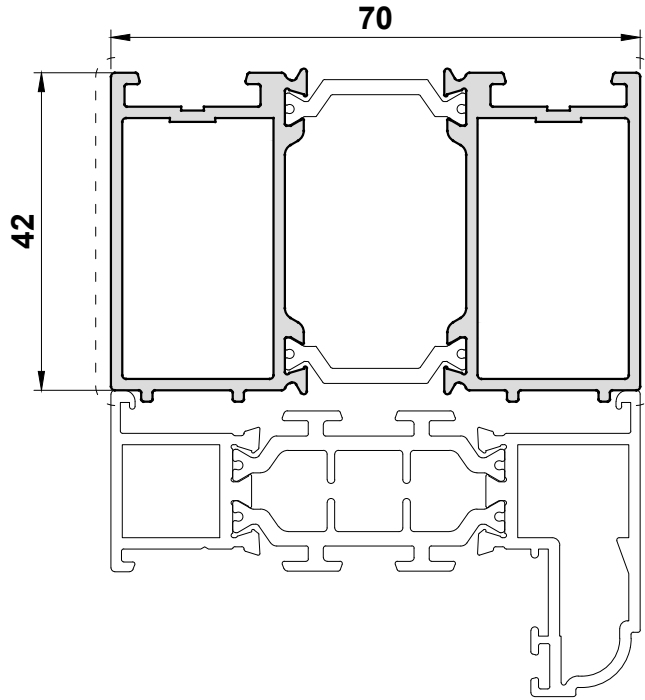


Scale 1:1

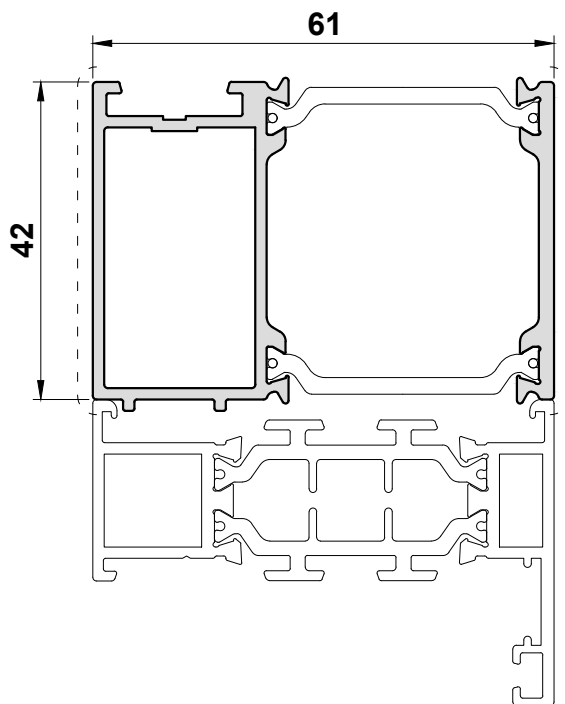
Primary Visible Side

Secondary Visible Side

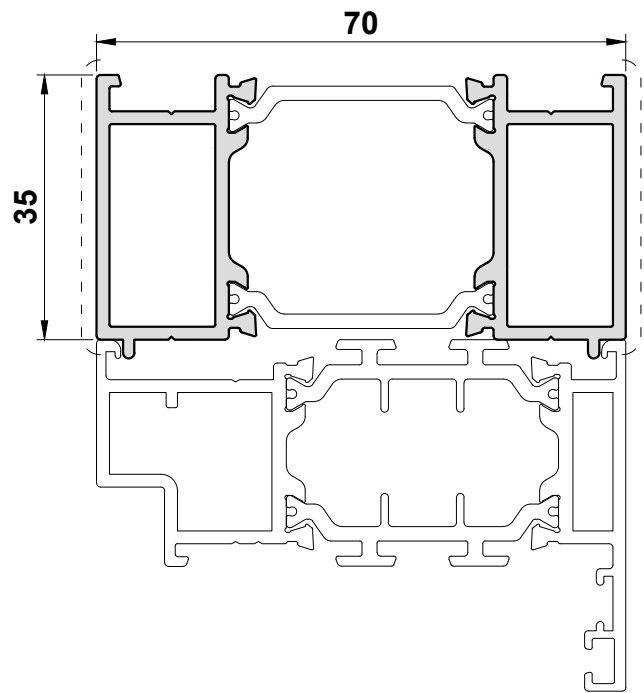
DV515
70mm Head Extension



ETC856
61mm Head Extension



UN3070
35 x 70mm Head Extension



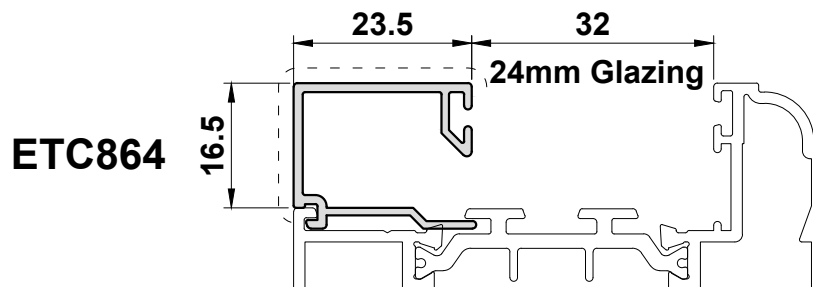
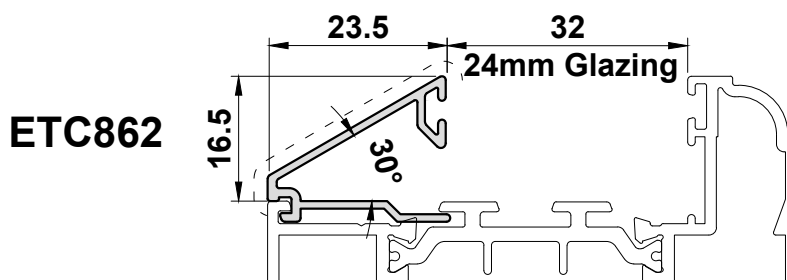
Scale 1:1

Primary Visible Side

Secondary Visible Side

24mm External Glazing

(NOT ETC825)



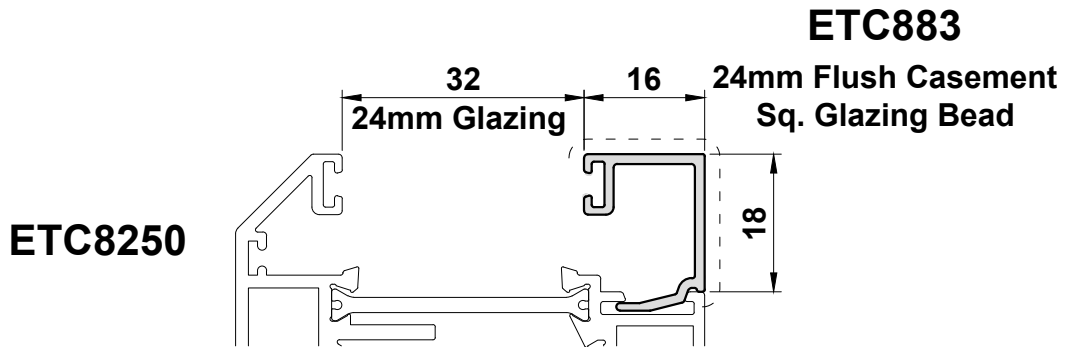
See E21 - E23 for full glazing schedule

Scale 1:1

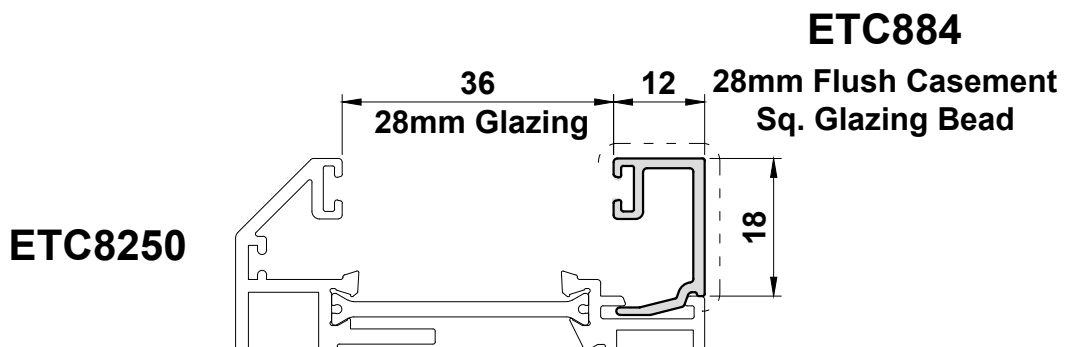
Primary Visible Side

Secondary Visible Side

24mm Flush Casement Internal Glazing



28mm Flush Casement Internal Glazing



See E21 - E23 for full glazing schedule

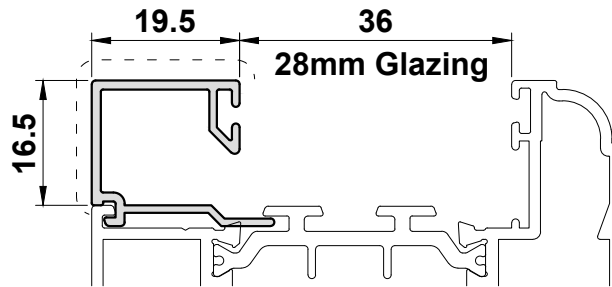
Scale 1:1

Primary Visible Side

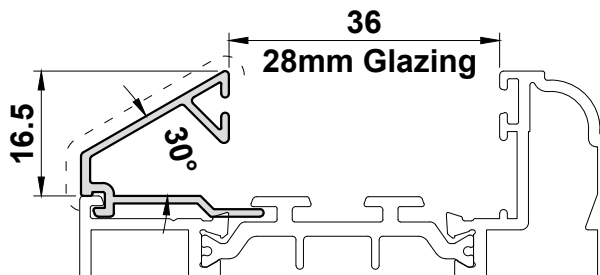
Secondary Visible Side

28mm External Glazing

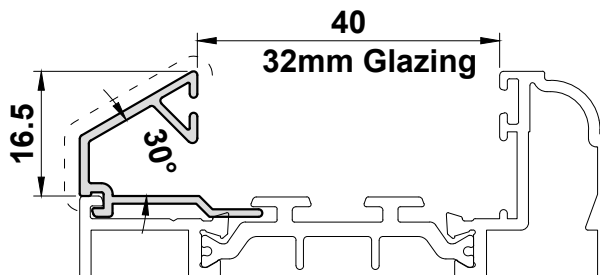
ETC861



ETC867



ETC879



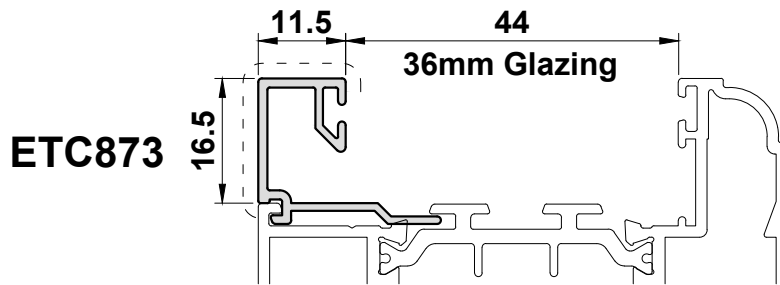
See E21 - E23 for full glazing schedule

Scale 1:1

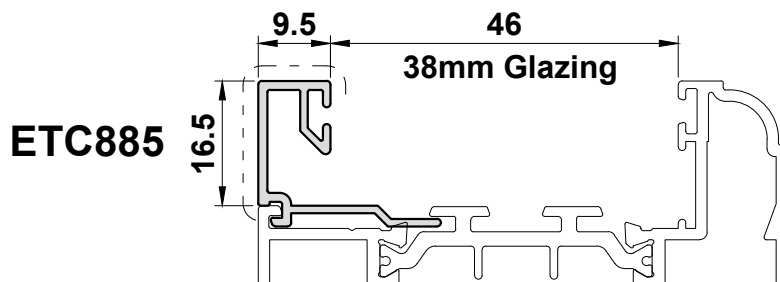
Primary Visible Side

Secondary Visible Side

36mm External Glazing



38mm External Glazing



See E21 - E23 for full glazing schedule

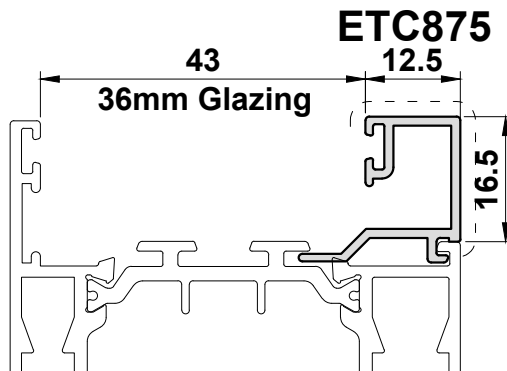
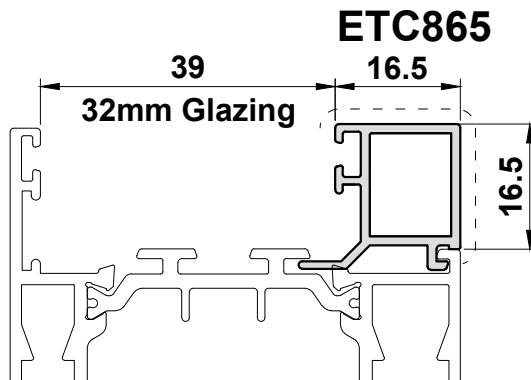
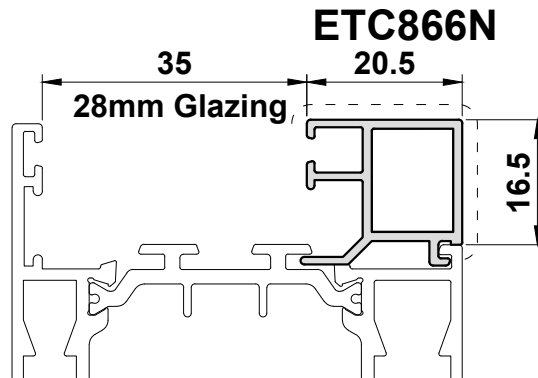
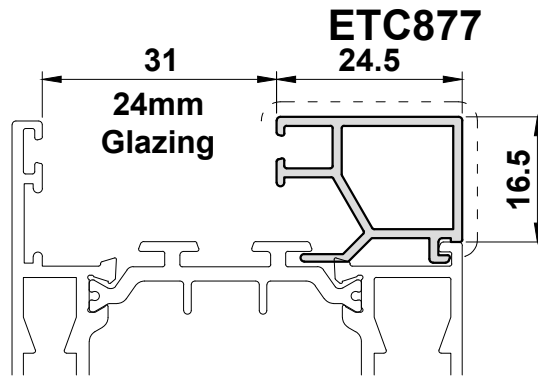
Scale 1:1

Primary Visible Side

Secondary Visible Side

Internal Glazing

ETC823
ETC824
ETC829
ETC846

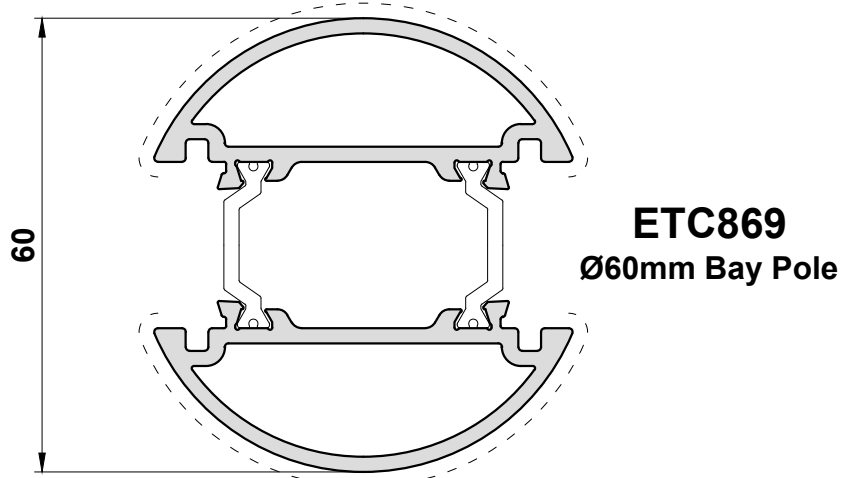


Scale 1:1

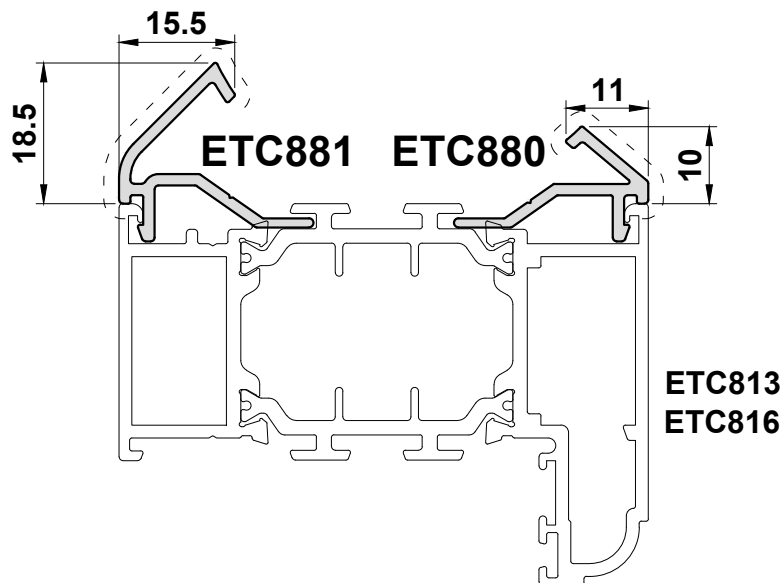
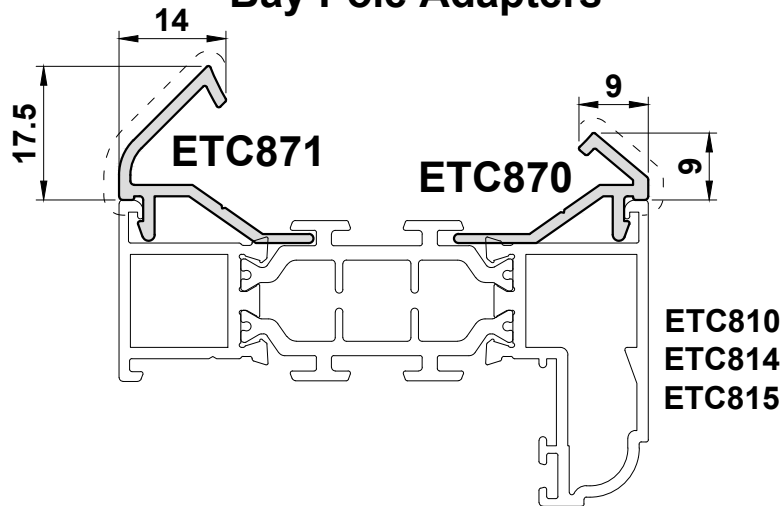
See E21 - E23 for full glazing schedule

Primary Visible Side

Secondary Visible Side



Bay Pole Adapters



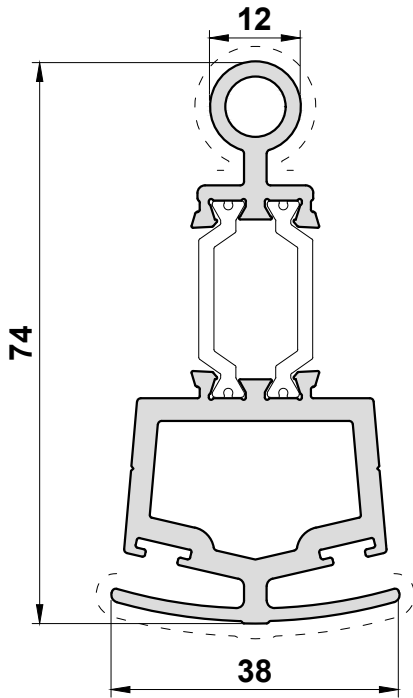
See E25 - E27 for bay pole arrangements

Scale 1:1

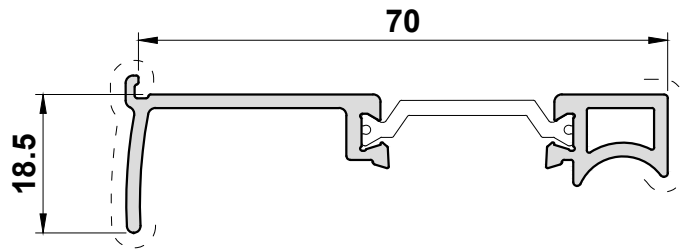
Primary Visible Side

Secondary Visible Side

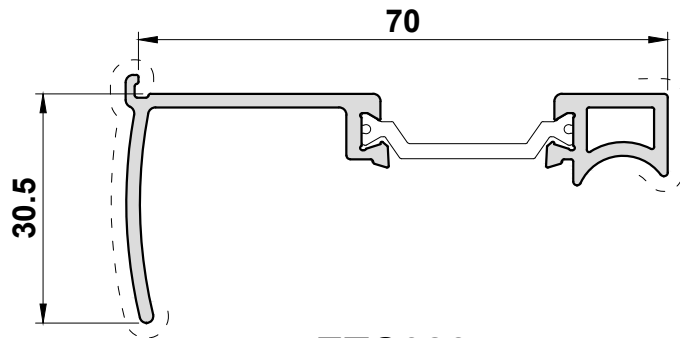
ETC080
Bay Pole



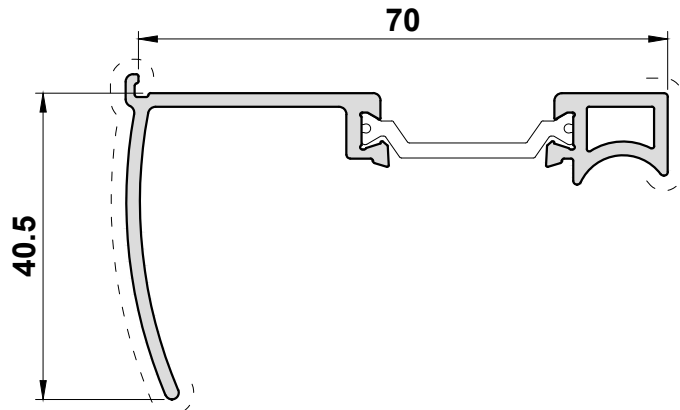
ETC081
169° - 150°
Bay Pole Adaptor



ETC082
149° - 130°
Bay Pole Adaptor



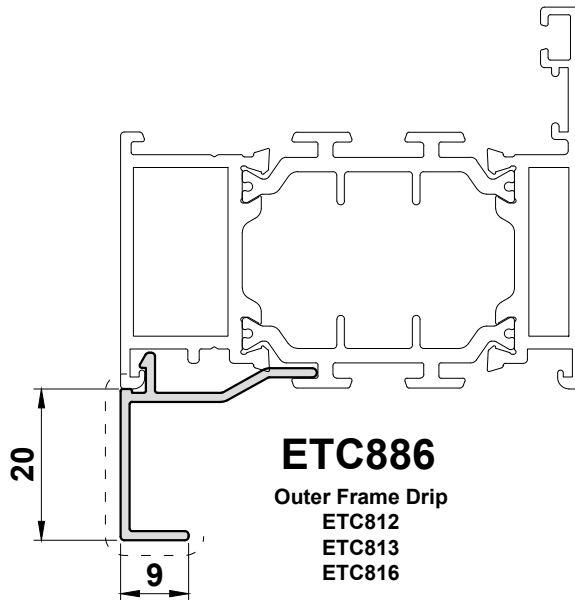
ETC083
129° - 115°
Bay Pole Adaptor



Scale 1:1

Primary Visible Side

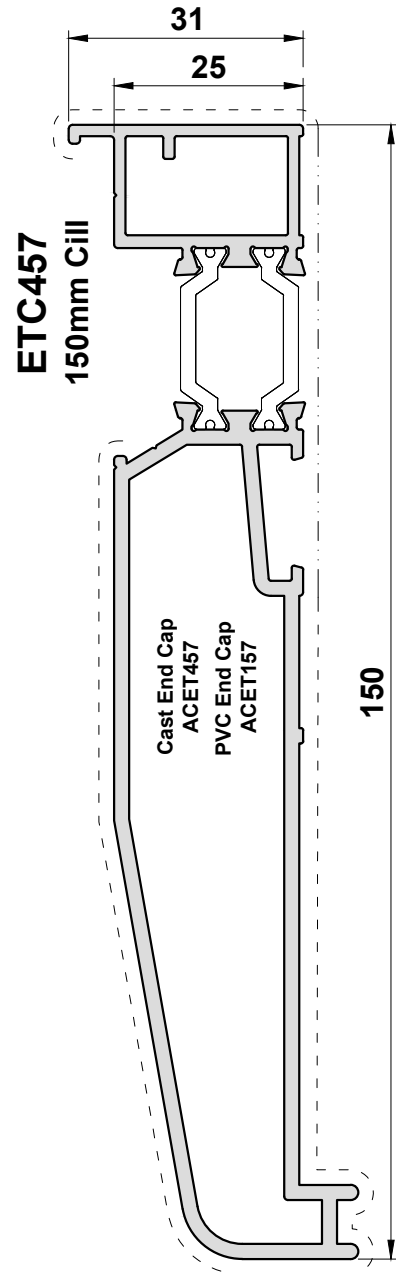
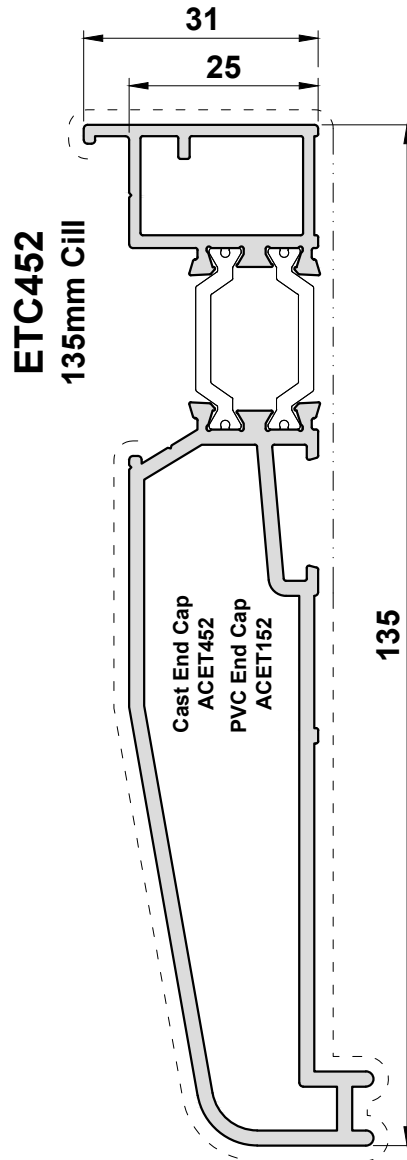
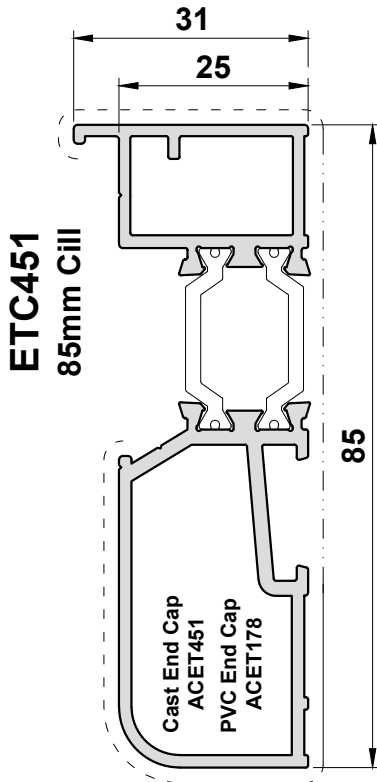
Secondary Visible Side



Scale 1:1

Primary Visible Side

Secondary Visible Side

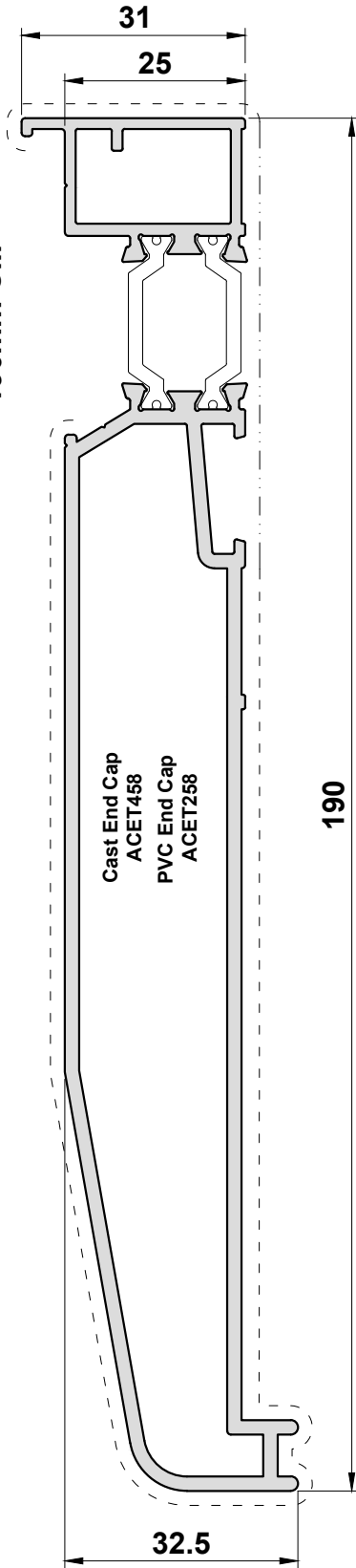


Scale 1:1

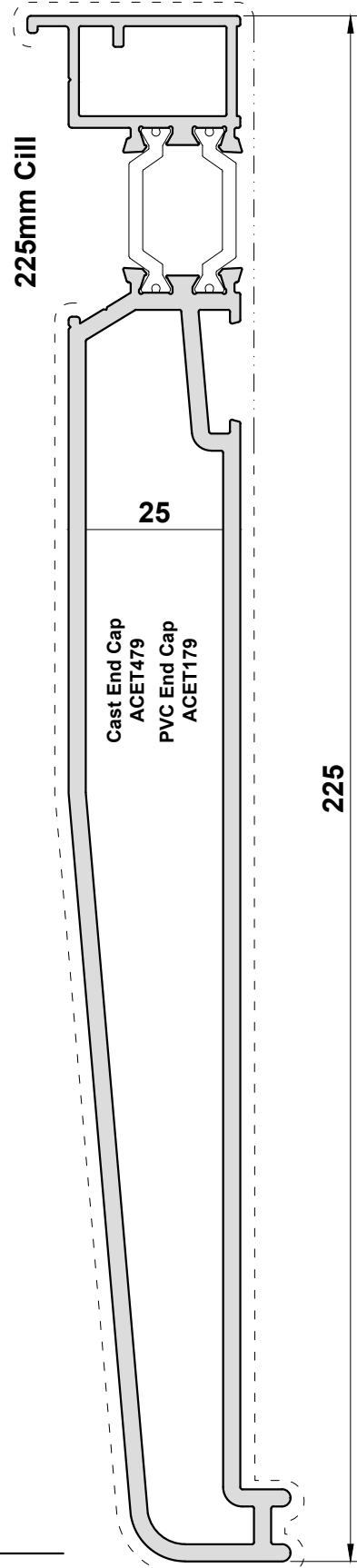
Primary Visible Side

Secondary Visible Side

ETC458
190mm Cill



ETC479N
225mm Cill

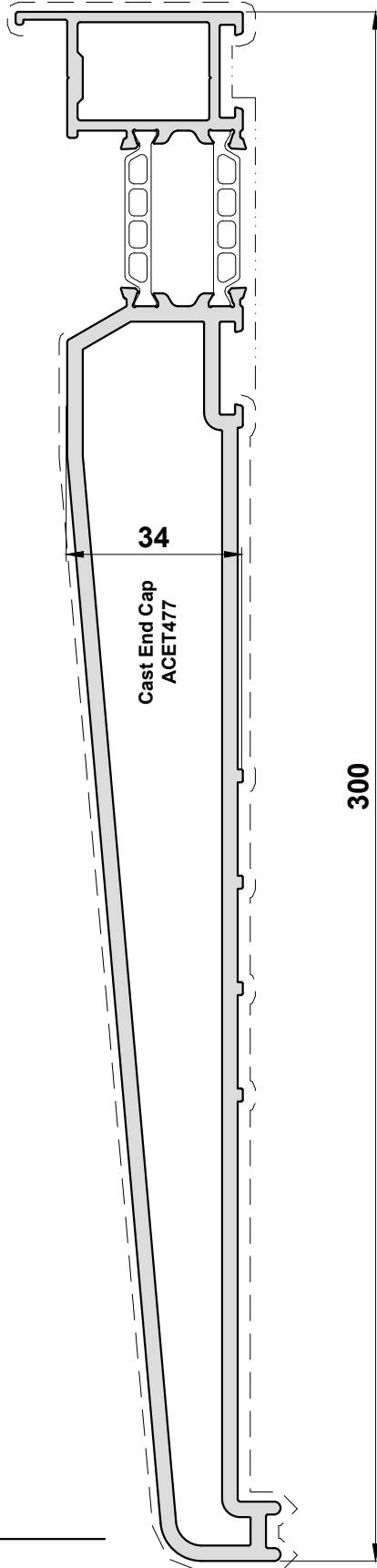


Scale 1:1

Primary Visible Side

Secondary Visible Side

ETC477
300mm Cill



Scale 1:1.333

Section B

Alitherm 800
Accessories
Photos & Drawings

Section B

Image	Part Code	Pack	Unit	Application	Colour
	ACDR052 No.10 x 50 S/S Tapping Pan Hd Screw	200	pack	ETC048 ETC655	MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
Z					
	ACDV21 Stainless Steel Chevron	100	pack	ETC810 ETC811 ETC814 ETC815 ETC821	MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
Z					
	ACET041 Cill Nose Bracket Screws = ACET067	1	Each	ETC457 ETC458 ETC479N	MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
Z					
	ACET045 Stainless Steel Chevron	100	pack	ETC820 ETC823 ETC826 ETC827 ETC828 ETC829	MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
Z					
	ACET057 Crimping Cleat	24	pack	ETC628	MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
Z					
<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 BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome</p> <p>W = White Z = Black</p>					

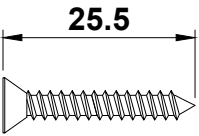
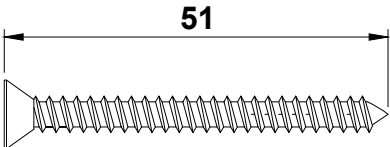
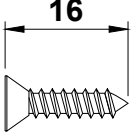
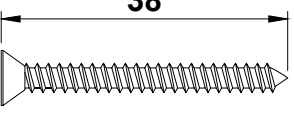
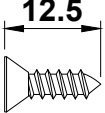


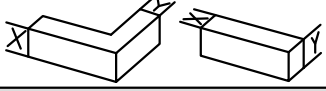
Image	Part Code	Pack	Unit	Application	Colour
	ACET060 No. 7 x 1" CSK S/S Self Tapping Screw	100	pack		MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
Z					
	ACET062 No. 10 x 50 S/S Self Tapping CSK Screw	100	pack		MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
Z					
	ACET064 No. 8 x 16 S/S Self Tapping Flange Screw	100	pack		MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
Z					
	ACET066 No. 7 x 38 S/S Self Tapping CSK Screw	100	pack		MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
Z					
	ACET067 No. 7 x 13 S/S Self Tapping CSK Screw	100	pack		MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
Z					
 <small>T-BARS ACV665=2.5mm ACV666=3.0mm ACVL150=4.0mm</small>	 <small>Screw (Grub)</small>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black		

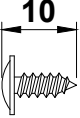
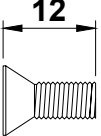
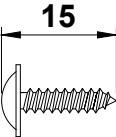
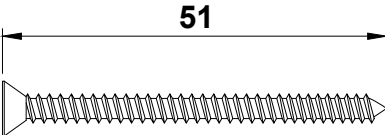



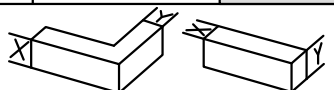
Image	Part Code	Pack	Unit	Application	Colour																		
	ACET068 No. 8 x 10 S/S Self Tapping Flange Screw	100	pack		<table border="1"> <tr><td>MF</td><td></td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	
MF																							
SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET069 M5 x 12 S/S CSK Machine Screw	100	pack		<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	
MF																							
SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET070 No. 8 x 13 S/S Self Tapping Flange Screw	100	pack		<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	
MF																							
SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET072 No.8 x 2½ inch CSK S/S Self Tapper	100	pack		<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	
MF																							
SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET080 Cockspur Handle	1	Each	ACET083	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> </table>	MF		SA	✓	KL		HP		BSC		SMC		PC		W	✓	Z	✓
MF																							
SA	✓																						
KL																							
HP																							
BSC																							
SMC																							
PC																							
W	✓																						
Z	✓																						
 	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black																					

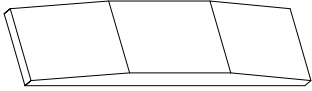
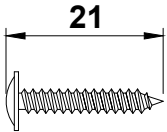
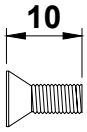
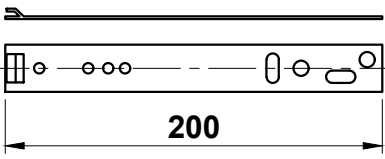
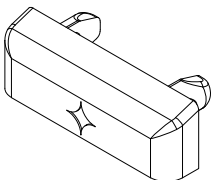


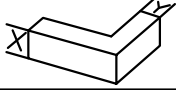
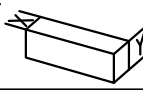
Image	Part Code	Pack	Unit	Application	Colour	
	ACET083 3mm Wedge	100	pack	ACET080	MF	✓
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
Z						
	ACET099 No. 8 x 19 S/S Self Tapping Flange Screw	100	pack		MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
Z						
	ACET122 M4 x 10mm CSK Machine Screw	100	pack		MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
Z						
	ACET130 Galvanised Steel Fixing Strap 200mm x 25mm x 1.5mm	100	pack	ETC810 ETC811	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
Z						
	ACET131 Drainage Cover Cap	100	pack		MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	✓
Z	✓					
 <small>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</small>	 <small>Screw (Grub)</small>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black	 		

Image	Part Code	Pack	Unit	Application	Colour
	ACET136 Crimping Cleat	24	pack	ETC628	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET152 Cill End Cap	10	Pairs	ETC452	MF <input type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input checked="" type="checkbox"/>
					Z <input checked="" type="checkbox"/>
	ACET157 PVC End Cap	10	Pairs	ETC457	MF <input type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input checked="" type="checkbox"/>
					Z <input checked="" type="checkbox"/>
	ACET165 Espagnolette Handle 9mm Spindle	1	Each	ACET495 ACET801 ACET802 ACET803 ACET804 ACET805	MF <input type="checkbox"/>
					SA <input checked="" type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input checked="" type="checkbox"/>
					Z <input checked="" type="checkbox"/>
	ACET178 Plastic End Caps	10	Pairs	ETC451	MF <input type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input checked="" type="checkbox"/>
					Z <input checked="" type="checkbox"/>
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 BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black		

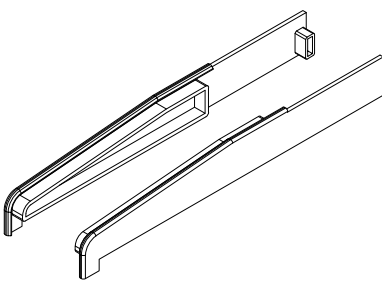
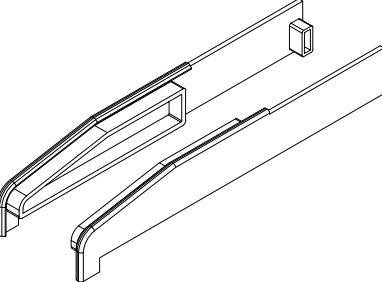
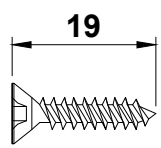
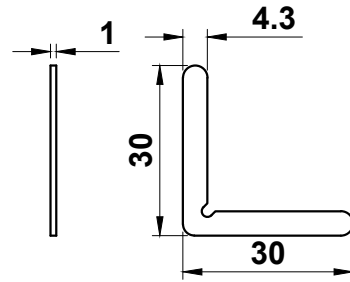
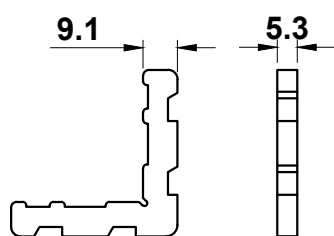

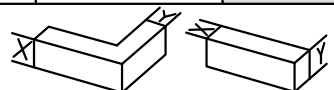
Image	Part Code	Pack	Unit	Application	Colour	
	ACET179N PVC End Cap	10	Pairs	ETC479N	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	✓
					Z	✓
	ACET258 PVC End Cap	10	Pairs	ETC458	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	✓
					Z	✓
	ACET290 20mm x 4.3mm Polyamide Screw	1000	pack	Keeps	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET311 S/S Chevron	50	pack		MF	✓
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET324 Crimping Cleat (inner chamber)	24	pack	ETC811 ETC821	MF	✓
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
 <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 BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black				

Image	Part Code	Pack	Unit	Application	Colour
	ACET352 Pull-in Blocks	50	pack	Friction Hinges	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET390 4.3 x 25mm CSK Polyamide Screw	200	pack		MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET432 Drainage Cover Cap	10	pack		MF <input type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input checked="" type="checkbox"/>
					HP <input checked="" type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET440 Variable Cill Angle Bracket	10	Each		MF <input type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET451 Cast Cill End Caps	1	Pair	ETC451	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input checked="" type="checkbox"/>
					HP <input checked="" type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					Z <input type="checkbox"/>
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			

Image	Part Code	Pack	Unit	Application	Colour
	ACET452 Cast Cill End Caps	1	Pair	ETC452	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input checked="" type="checkbox"/>
					HP <input checked="" type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
Z <input type="checkbox"/>					
	ACET457 Cast Cill End Caps	1	Pair	ETC457	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input checked="" type="checkbox"/>
					HP <input checked="" type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
Z <input type="checkbox"/>					
	ACET458 Cast Cill End Caps	1	Pair	ETC458	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input checked="" type="checkbox"/>
					HP <input checked="" type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
Z <input type="checkbox"/>					
	ACET460 Inline Espag Handle with 9mm Spindle	1	Each	ACET495 ACET801 ACET802 ACET803 ACET804 ACET805	MF <input type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input checked="" type="checkbox"/>
					HP <input checked="" type="checkbox"/>
					BSC <input checked="" type="checkbox"/>
					SMC <input checked="" type="checkbox"/>
					PC <input checked="" type="checkbox"/>
					W <input checked="" type="checkbox"/>
Z <input checked="" type="checkbox"/>					
	ACET461 Inline Espag Handle with 15mm Spindle	1	Each	ACET861 ACET862 ACET863 ACET864 ACET865 ACET866	MF <input type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input checked="" type="checkbox"/>
					HP <input checked="" type="checkbox"/>
					BSC <input checked="" type="checkbox"/>
					SMC <input checked="" type="checkbox"/>
					PC <input checked="" type="checkbox"/>
					W <input checked="" type="checkbox"/>
Z <input checked="" 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 BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			



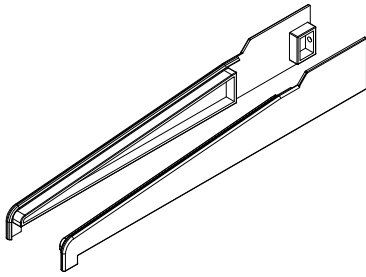
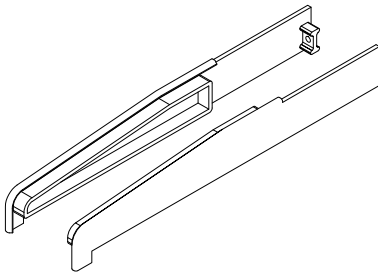
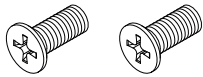


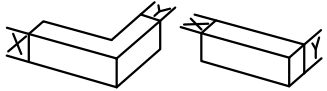
Image	Part Code	Pack	Unit	Application	Colour	
	ACET465 L/R Cranked Espag Handle with 9mm Spindle	1	Each	ACET495 ACET801 ACET802 ACET803 ACET804 ACET805	MF	
					SA	
					KL	✓
					HP	✓
					BSC	✓
					SMC	✓
					PC	✓
					W	✓
					Z	✓
	ACET466 L/R Cranked Espag Handle with 15mm Spindle	1	Each	ACET861 ACET862 ACET863 ACET864 ACET865 ACET866	MF	
					SA	
					KL	✓
					HP	✓
					BSC	✓
					SMC	✓
					PC	✓
					W	✓
					Z	✓
	ACET477 Cast Cill End Caps	1	Pair	ETC477	MF	✓
					SA	
					KL	✓
					HP	✓
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET479N Cast Cill End Caps	1	Pair	ETC479N	MF	✓
					SA	
					KL	✓
					HP	✓
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET495 2No. M5 x 12 S/S CSK Screws	1	pack	ACET460 ACET465	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
 <small>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</small>  <small>Screw (Grub)</small>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black				

Image	Part Code	Pack	Unit	Application	Colour																		
	ACET810 Crimping Cleat (inner chamber)	24	pack	ETC810 ETC815	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
MF	✓																						
SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET811 Crimping Cleat (outer chamber)	24	pack	ETC810 ETC811 ETC814 ETC815 ETC821	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
MF	✓																						
SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET813 Crimping Cleat (inner chamber)	24	pack	ETC811 ETC821	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET814 Crimping Cleat	24	pack	ETC819	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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HP																							
BSC																							
SMC																							
PC																							
W																							
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	ACET815 Crimping Cleat	24	pack	ETC819	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
MF	✓																						
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PC																							
W																							
Z																							
<p>T-BARS ACV1085=2.5mm ACV1086=3.0mm ACV1150=4.0mm</p> <p>Screw (Grub)</p>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black																					

Image	Part Code	Pack	Unit	Application	Colour																		
	ACET816 Cleat	24	pack	ETC812 ETC813 ETC816 ETC817	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	
MF																							
SA																							
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BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET817 Cleat	24	pack	ETC823	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET818 Cleat	24	pack	ETC826 ETC827 ETC828	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET819 Cleat	24	pack	ETC812 ETC813 ETC816 ETC817	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	
MF																							
SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	ACET820 Crimping Cleat (inner chamber)	24	pack	ETC8201 ETC823 ETC824 ETC826 ETC827 ETC828	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
MF	✓																						
SA																							
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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 BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black																					

Image	Part Code	Pack	Unit	Application	Colour
	ACET821 Crimping Cleat (outer chamber)	24	pack	ETC8201	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET823 Stainless steel chevron	50	pack	ETC829	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET824 Stainless Steel Chevron	50	pack	ETC8201 ETC821 ETC824	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET825 Crimping Cleat (outer chamber)	24	pack	ETC822	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET826 Crimping Cleat (outer chamber)	24	pack	ETC824	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			

Image	Part Code	Pack	Unit	Application	Colour	
	ACET831 Anti-Twist Bracket	10	pack	ETC830	MF	✓
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET832 Transom bracket	10	pack	ETC830 ETC831	MF	✓
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET833 Cruciform Fixing Bracket	10	pack	ETC830 ETC831	MF	✓
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET835 4mm External Captive Gasket	200	m	ETC861 ETC862 ETC863 ETC864	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	✓
	ACET8350 ETC8350 End Cap	1	pair	ETC8350	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	✓
					Z	✓
 <small>T-BARS ACVG85=2.5mm ACVG66=3.0mm ACVL150=4.0mm</small> <small>Screw (Grub)</small>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black				

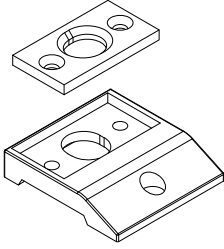
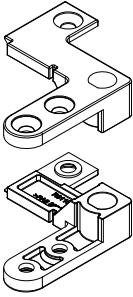
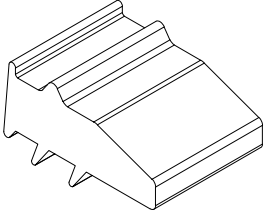
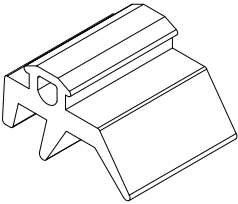
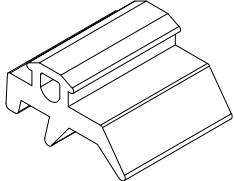


Image	Part Code	Pack	Unit	Application	Colour	
	ACET8352 Keep & Packer	1	pair	ETC8350 ACUN3050	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	✓
						ACET8355 Shootbolt Guide
SA						
KL						
HP						
BSC						
SMC						
PC						
W						
Z	✓					
	ACET840 5mm Low Line Wedge	150	m			
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	✓
						ACET841 4mm Low Line External Gasket
SA						
KL						
HP						
BSC						
SMC						
PC						
W						
Z						
	ACET842 3mm Low Line External Gasket	200	m			
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	✓
					 <small>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</small>	 <small>Screw (Grub)</small>

Image	Part Code	Pack	Unit	Application	Colour																		
	ACET843 2mm Low Line External Gasket	200	m		<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td>✓</td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	✓
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KL																							
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BSC																							
SMC																							
PC																							
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Z	✓																						
	ACET846 Crimping Cleat (outer chamber)	24	pack	ETC846	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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BSC																							
SMC																							
PC																							
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	ACET847 ETC845 End Cap	10	Pairs	ETC847	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W	✓	Z	✓
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	ACET853 Shootbolt	1	Each	ACET854	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td>✓</td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	✓
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	ACET854 Keep	1	Each	ACET853	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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<p>T-BARS ACV669=2.5mm ACV668=3.0mm ACVL150=4.0mm</p> <p>Screw (Grub)</p>	<p>MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome</p>	<p>W = White Z = Black</p>																					

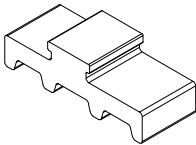
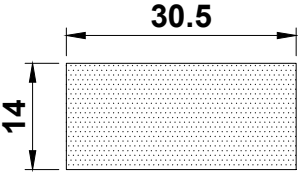
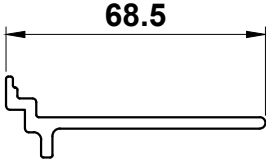
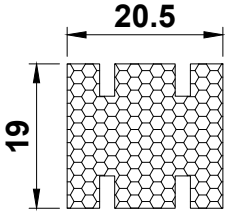

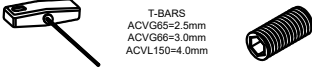
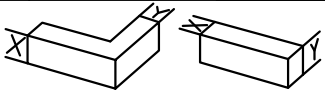
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	ACET856 Foam Infill 1250mm Lengths	1	Each	ETC812 ETC813 ETC816	<table border="1"> <tr><td>MF</td><td>✓</td></tr> <tr><td>SA</td><td></td></tr> <tr><td>KL</td><td></td></tr> <tr><td>HP</td><td></td></tr> <tr><td>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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KL																							
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BSC																							
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	ACET857 Bridge Packer	10	pack		<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	
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	ACET858 Foam Insert 1250mm Lengths	1	Each	ETC819 ETC839	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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	ACET868 15mm Spindle Handle	25 1	pack Each	ACET861 ACET862 ACET863 ACET864 ACET865 ACET866	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td>✓</td></tr> <tr><td>Z</td><td>✓</td></tr> </table>	MF		SA	✓	KL		HP		BSC		SMC		PC		W	✓	Z	✓
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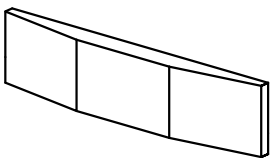
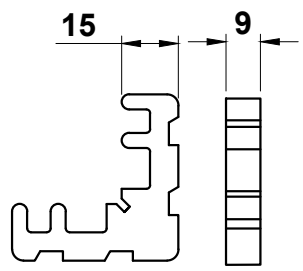
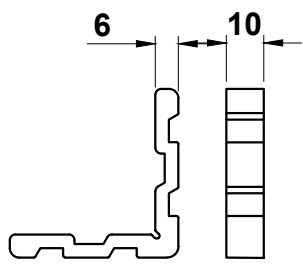
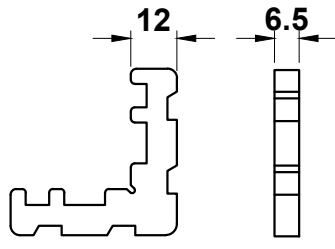
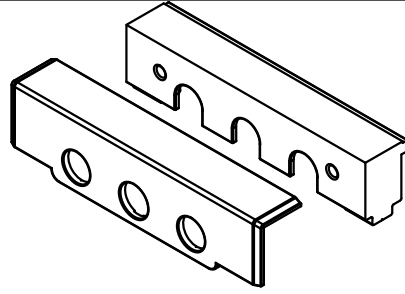

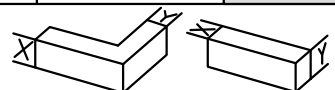
Image	Part Code	Pack	Unit	Application	Colour																		
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BSC																							
SMC																							
PC																							
W	✓																						
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	ACET871 Crimping Cleat	24	pack	ETC8250	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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	ACET872 Crimping Cleat	24	pack	ETC8250	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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	ACET873 Crimping Cleat	24	pack	ETC8255	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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BSC																							
SMC																							
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	ACET874 Handle Fixing Block & Cover	1	Each	ETC8250 ETC882	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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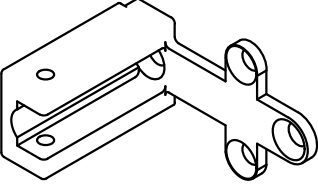
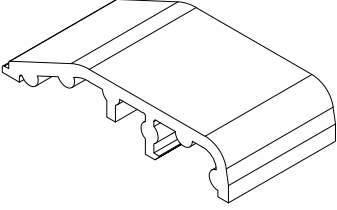
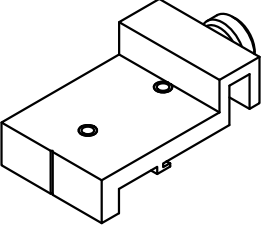
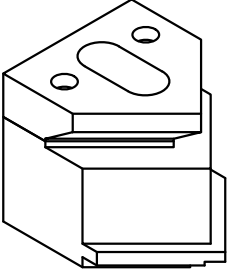



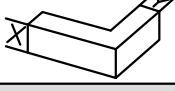
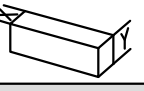
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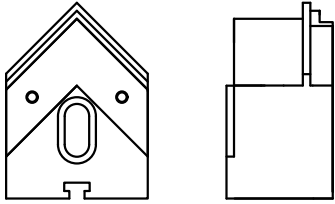
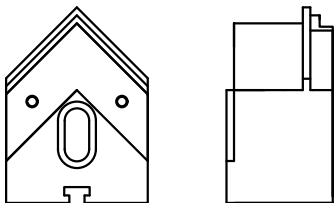
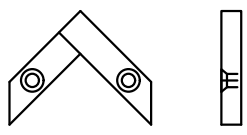

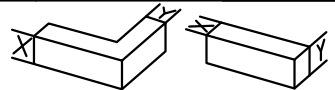
Image	Part Code	Pack	Unit	Application	Colour	
	ACET887 Vee Block	1	Each	ETC817	MF	✓
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET888 Crimping Punches	1	Pair	ETC817	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET889 Vee Block	1	Each	ETC812 ETC813 ETC816	MF	✓
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET892 Vee Block	1	Each	ETC8201	MF	✓
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACET893 Tufnel Packer	1	Each	ETC810 ETC811 ETC812 ETC813 ETC814 ETC815 ETC816 ETC826 ETC827 ETC828	MF	✓
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black				

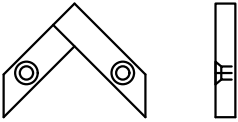
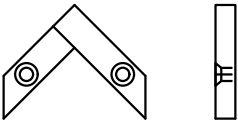
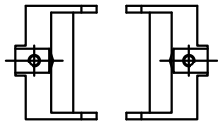
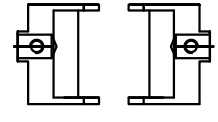
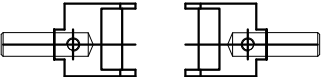

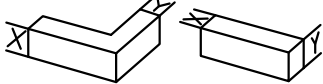
Image	Part Code	Pack	Unit	Application	Colour
	ACET894 Tufnel Packer for use with vee block ACET967N	1	Each	ETC823 ETC824 ETC829	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
Z <input type="checkbox"/>					
	ACET895 Tufnel Packer for use with vee block ACET892	1	Each	ETC8201	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
Z <input type="checkbox"/>					
	ACET897 Crimping Punches	1	Pair	ETC813 ETC814 ETC815 ETC816	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
Z <input type="checkbox"/>					
	ACET898 Crimping Punches	1	Pair	ETC812	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
Z <input type="checkbox"/>					
	ACET918 Crimping Punches	1	Pair	ETC846	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
Z <input type="checkbox"/>					
 <small>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</small>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			

Image	Part Code	Pack	Unit	Application	Colour
	ACET946 Transom/Mullion Drill Jig	1	Each	ETC830 ETC831 ACET832	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET947 Friction Hinge Drill Jig For Standard Top Hung & Side Hung (13mm Stack)	1	Each	ETC8201 ETC821 ETC827 ETC823 ETC824	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET967N Vee Block	1	Each	ETC823 ETC824 ETC829	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET983 5.75mm Packer for use with vee block ACET967 & ACET993	1	Each	ETC810 ETC811 ETC819 ETC820 ETC821 ETC824 ETC8255 ETC846	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					Z <input type="checkbox"/>
	ACET988 7mm Packer for use with vee block ACET967 & ACET993	1	Each	ETC810 ETC811 ETC819 ETC821 ETC824 ETC8255	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					BSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					PC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					Z <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 BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			

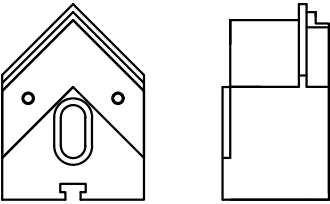
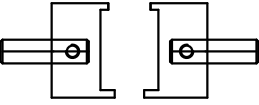
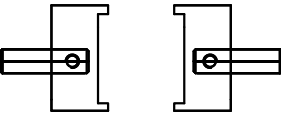
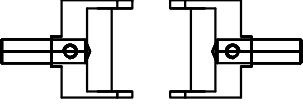
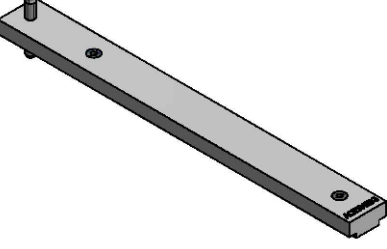

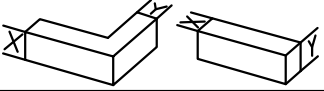
Image	Part Code	Pack	Unit	Application	Colour						
	ACET993 Vee Block	1	Each	ETC810 ETC811 ETC814 ETC815 ETC819 ETC821 ETC8255 ETC826 ETC827 ETC828 ETC846	MF <input checked="" type="checkbox"/>						
					SA <input type="checkbox"/>						
					KL <input type="checkbox"/>						
					HP <input type="checkbox"/>						
					BSC <input type="checkbox"/>						
					SMC <input type="checkbox"/>						
					PC <input type="checkbox"/>						
					W <input type="checkbox"/>						
					Z <input type="checkbox"/>						
					<hr/>						
						ACET995N Crimping Punches	1	Each	ETC8201 ETC823 ETC824 ETC826 ETC827 ETC828 ETC829	MF <input checked="" type="checkbox"/>	
										SA <input type="checkbox"/>	
										KL <input type="checkbox"/>	
HP <input type="checkbox"/>											
BSC <input type="checkbox"/>											
SMC <input type="checkbox"/>											
PC <input type="checkbox"/>											
W <input type="checkbox"/>											
Z <input type="checkbox"/>											
<hr/>											
	ACET997 Crimping Punches	1	Pair	ETC810						MF <input checked="" type="checkbox"/>	
										SA <input type="checkbox"/>	
										KL <input type="checkbox"/>	
					HP <input type="checkbox"/>						
					BSC <input type="checkbox"/>						
					SMC <input type="checkbox"/>						
					PC <input type="checkbox"/>						
					W <input type="checkbox"/>						
					Z <input type="checkbox"/>						
					<hr/>						
						ACET998 Crimping Punches	1	Pair	ETC811 ETC821 ETC819	MF <input checked="" type="checkbox"/>	
										SA <input type="checkbox"/>	
										KL <input type="checkbox"/>	
HP <input type="checkbox"/>											
BSC <input type="checkbox"/>											
SMC <input type="checkbox"/>											
PC <input type="checkbox"/>											
W <input type="checkbox"/>											
Z <input type="checkbox"/>											
<hr/>											
	ACETME93 Egress Drill Jig	1	Each	ACETME13						MF <input checked="" type="checkbox"/>	
										SA <input type="checkbox"/>	
										KL <input type="checkbox"/>	
					HP <input type="checkbox"/>						
					BSC <input type="checkbox"/>						
					SMC <input type="checkbox"/>						
					PC <input type="checkbox"/>						
					W <input type="checkbox"/>						
					Z <input type="checkbox"/>						
					<hr/>						
					 <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 BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black				

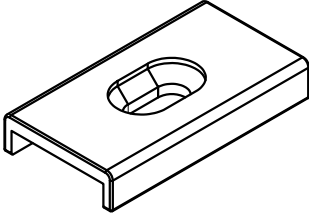
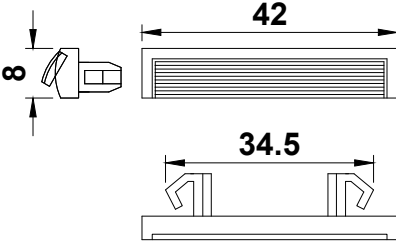
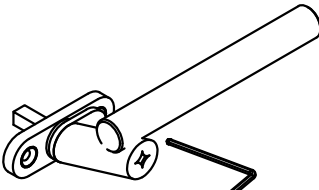
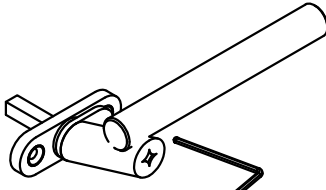
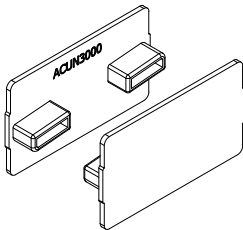

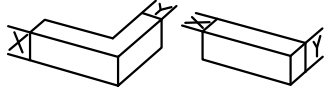
Image	Part Code	Pack	Unit	Application	Colour	
	ACETME99 Easy Clean Immobiliser for Sashes Over 600mm	100	Pack	ACETME13	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACGSL045 Drainage Cap	100	Pack		MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	✓
					Z	✓
 <p>Right Hand Shown</p>	ACSM010SSR/L Stainless Steel Espag. Handle. 9mm spindle.	1	Each	ACET801 ACET802 ACET803 ACET804 ACET805	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
 <p>Right Hand Shown</p>	ACSM022SSR/L Stainless Steel Espag. Handle. 15mm spindle.	1	Each	ACET861 ACET862 ACET863 ACET864 ACET865 ACET866	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	
					Z	
	ACUN3000 End Caps for UN3000	10	Pairs	UN3000	MF	
					SA	
					KL	
					HP	
					BSC	
					SMC	
					PC	
					W	✓
					Z	
 <p>T-BARS ACVG66=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 BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black				


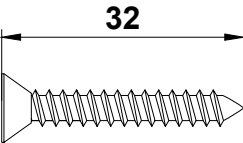
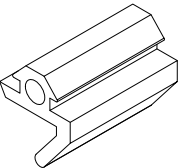

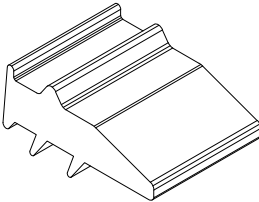

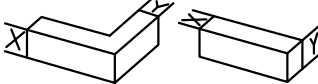
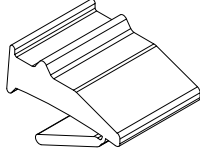
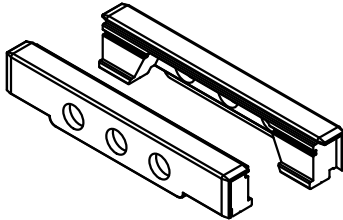
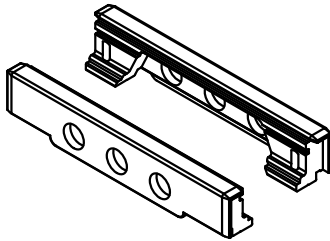
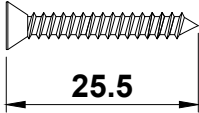
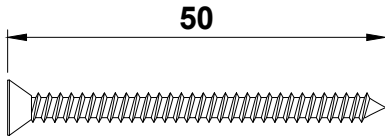



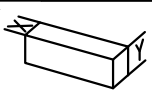
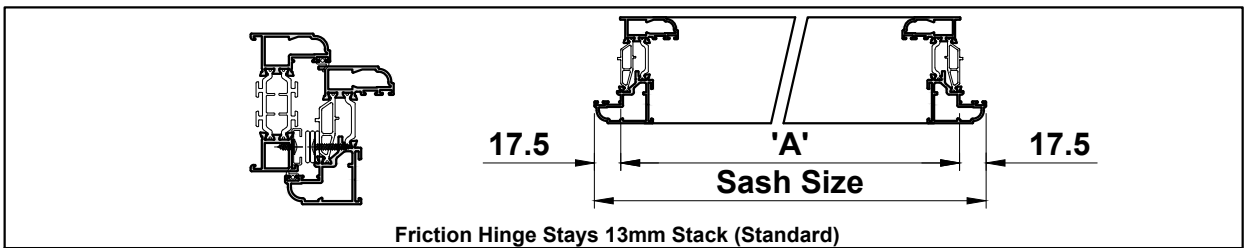
Image	Part Code	Pack	Unit	Application	Colour
	ACUN3050 French Casement Shootbolt Kit. Includes: 2 x Cam connectors 2 x 180mm SS threaded bar 2 x Stainless Steel Shootbolt 2 x M8 Nuts	1	Kit	ACET8251 ACET8252 ACET8253 ACET8254 ACET8255 ACET8352 ACET8355	MF SA KL HP BSC SMC PC W Z
	ACUN3512 No.8 x 32mm CSK SS Pozi Screw	100	Pack		MF SA KL HP BSC SMC PC W Z
	ACVL032 Flipper Gasket	250	m	ETC810 ETC811 ETC830 ETC831	MF SA KL HP BSC SMC PC W Z ✓
	ACVS057 Bridge Packer	10	Pack		MF SA KL HP BSC SMC PC W Z
	ACW20034 4mm Low Line Wedge	200	m		MF SA KL HP BSC SMC PC W Z
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			

Image	Part Code	Pack	Unit	Application	Colour
	ACW20038 Tearaway gasket	150	m		MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
					Z
	ACW20128 24mm Handle Fixing Blocks	1	Each		MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
					Z
	ACW20129 28mm Handle Fixing Blocks	1	Each		MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
					Z
	MUA025SSZ No. 6 x 1" CSK Pozi Stainless Steel Self Tapper	100	Pack	ACET854	MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
					Z
	MUA067 No. 7 x 2" CSK Stainless Steel Self Tapper	100	Pack	ETC8201 ETC824	MF
					SA
					KL
					HP
					BSC
					SMC
					PC
					W
					Z
 <small>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</small>	 <small>Screw (Grub)</small>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour BSC = Brushed Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black	 	

ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour																		
	WCA106 Stainless Steel Chevron	100	Pack	ETC824 ETC846	<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	WCA134 M5 X 20 CSK M/C Screw	100	Pack		<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	
MF																							
SA																							
KL																							
HP																							
BSC																							
SMC																							
PC																							
W																							
Z																							
	WUT024HSZA Manual Crimper Note: Vee blocks & punches are sold separately	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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF	✓	SA		KL		HP		BSC		SMC		PC		W		Z	
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					<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>BSC</td><td></td></tr> <tr><td>SMC</td><td></td></tr> <tr><td>PC</td><td></td></tr> <tr><td>W</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	MF		SA		KL		HP		BSC		SMC		PC		W		Z	
MF																							
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Locking (except ETC821)



Top Hung Windows

Top Hung	Type of Hinge / Stay	Max. Vent	Height ('A')		Opening Angle (+/- 2.5°)
		Weight (kgs)	Minimum	Maximum	
ACINDS10	Standard	16	275	400	80°
ACINDS16		21	400	780	80°
ACINDS20		26	700	1100	50°
ACINDS24		40	850	1300	37.5°
ACINDP24	Heavy Duty	50	850	1500	32°
ACINDA10	Austenitic	16	275	400	80°
ACINDA16		21	400	780	80°
ACINDA20		26	700	1100	50°
ACINDA24		40	850	1300	37.5°
ACINDR12	Restricted	20	350	550	14°/65°
ACINDR16		21	500	780	10°/59°
ACINDR20		26	700	1100	8°/50°
ACINDR24		40	850	1300	7°/37.5°

Side Hung Windows

Side Hung	Type of Hinge / Stay	Max. Vent	Width ('A')		Opening Angle (+/- 2.5°)
		Weight (kgs)	Minimum	Maximum	
ACINDSSH12	Standard	22	300	600	60°
ACINDSSH16		24	400	600	60°
ACINDASH12	Austenitic	22	300	600	60°
ACINDASH16		24	400	600	60°
ACETSH1312L ACETSH1312R	Restricted Left Hand R/H Non-Restricted Right Hand L/H Non-Restricted	22	300	600	13°/58°
ACETSH1316L ACETSH1316R	VIEWED FROM OUTSIDE L/H Restricted R/H Restricted	24	400	600	11°/58°
ACETME13	Egress *use with ACET352 pull in blocks	40	365	865	90°

Note1: Vent Height / Width is measured in mm from rebate to rebate (not overall size or outer frame)

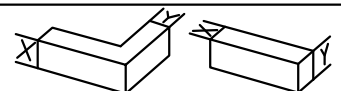
Note2: Top hung height and side hung width sizes to be reduced by 2mm where size is 450mm or smaller

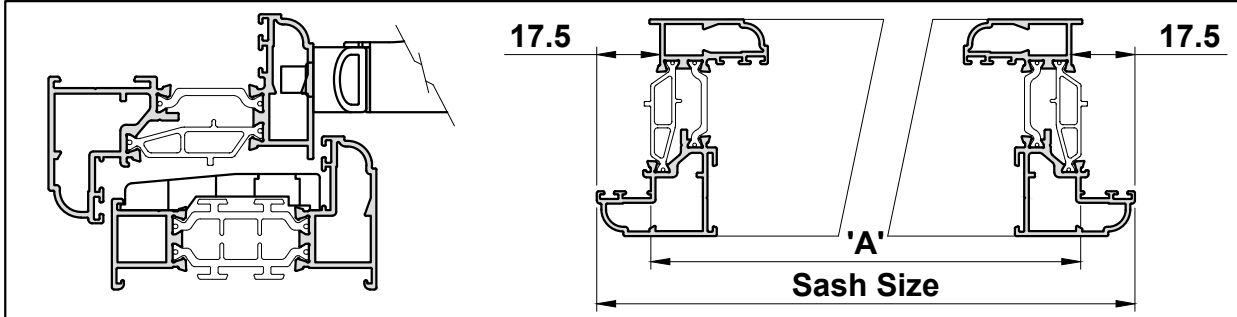
Note3: Typical Dimensions based on Max. Size and Glass 30kg/metre

Note4: For additional security use ACET513 hinge protectors

Note5: Kitemark specification covers Top Hung Max. height up to 1400mm. ACINDP24 Max. height is 1500mm

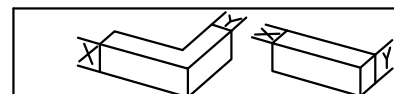
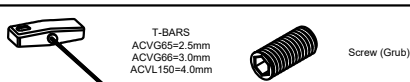
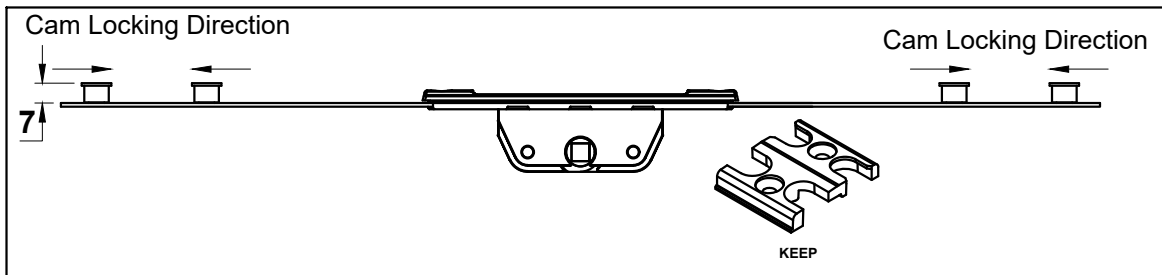
Note6: For sashes over 600mm, ACETME99 is recommended for ACETME13 to disable easy clean function

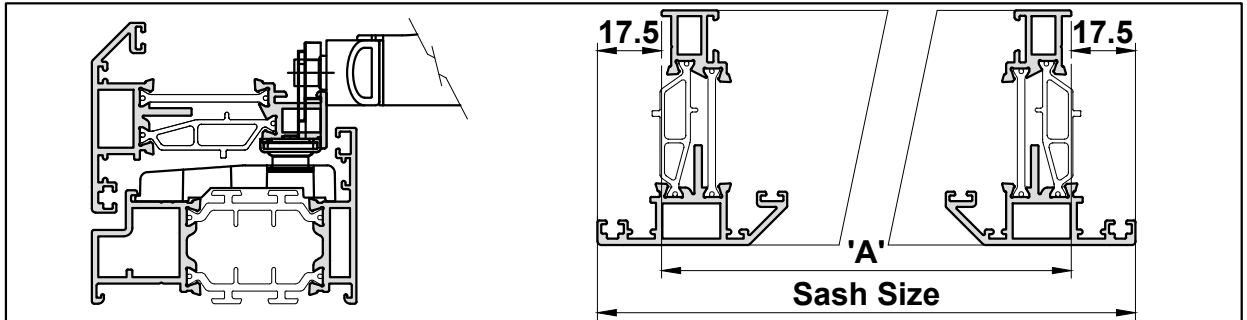




Part Code	Rod Length (mm)	Number of Keeps	Sash Rebate Size ('A')	
			Minimum	Maximum
ACET801L	335	2	340	505
ACET801R				
ACET802L	500	2	506	755
ACET802R				
ACET803L	750	2	756	1005
ACET803R				
ACET804L	1000	4	1006	1255
ACET804R				
ACET805L	1250	4	1256	1400
ACET805R				

Note: To Suit Handle ACET165





Part Code	Rod Length (mm)	Number of Keeps	Sash Rebate Size ('A')	
			Minimum	Maximum
ACET8251L	335	2	340	505
ACET8251R				
ACET8252L	500	2	506	755
ACET8252R				
ACET8253L	750	2	756	1005
ACET8253R				
ACET8254L	1000	4	1006	1255
ACET8254R				
ACET8255L	1250	4	1256	1400
ACET8255R				

Note: To Suit Handle ACET165

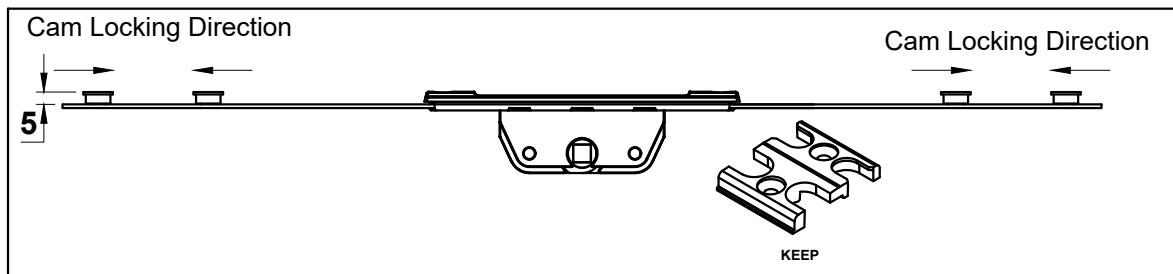


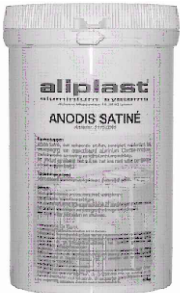


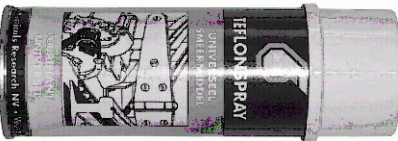



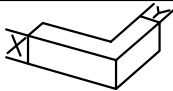
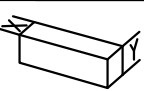
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	ACMX09700 Alu-Polish Cleaning emulsion for aluminium oxide.	1	each		MF <input checked="" type="checkbox"/> SA <input type="checkbox"/> KL <input type="checkbox"/> HP <input type="checkbox"/> M <input type="checkbox"/> GOZ <input type="checkbox"/> W <input type="checkbox"/> Z <input type="checkbox"/> PC <input type="checkbox"/>
	ACMX09761 Maxi Gloss Protection for painted and anodised surfaces.	1	each		MF <input type="checkbox"/> SA <input type="checkbox"/> KL <input type="checkbox"/> HP <input type="checkbox"/> M <input type="checkbox"/> GOZ <input type="checkbox"/> W <input type="checkbox"/> Z <input type="checkbox"/> PC <input type="checkbox"/>
	ACMX09762 Alu. Bright Cleaner for rough, anodised or enamelled aluminium frames.	1	each		MF <input type="checkbox"/> SA <input type="checkbox"/> KL <input type="checkbox"/> HP <input type="checkbox"/> M <input type="checkbox"/> GOZ <input type="checkbox"/> W <input type="checkbox"/> Z <input type="checkbox"/> PC <input type="checkbox"/>
	ACMX09763 Teflon Spray Lubricant	1	each		MF <input type="checkbox"/> SA <input type="checkbox"/> KL <input type="checkbox"/> HP <input type="checkbox"/> M <input type="checkbox"/> GOZ <input type="checkbox"/> W <input type="checkbox"/> Z <input type="checkbox"/> PC <input type="checkbox"/>
	ACMX09764 Maxi Cleaner For cleaning oily surfaces.	1	each		MF <input type="checkbox"/> SA <input type="checkbox"/> KL <input type="checkbox"/> HP <input type="checkbox"/> M <input type="checkbox"/> GOZ <input type="checkbox"/> W <input type="checkbox"/> Z <input 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 M = Dual Colour GOZ = Gold W = White Z = Black	 			









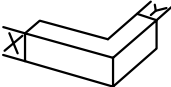
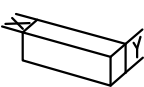
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					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACMX09770 Roll & Wrap 100mm	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACMX09775 Grip Handwrap	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACMX09801 Protective Tape 50mm	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACMX09802 Protective Tape 70mm	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour	M = Dual Colour GOZ = Gold W = White Z = Black	 	

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>M</td><td></td></tr> <tr><td>GOZ</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		M		GOZ		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>M</td><td></td></tr> <tr><td>GOZ</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		M		GOZ		W	✓	Z	✓	PC	
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HP																							
M																							
GOZ																							
W	✓																						
Z	✓																						
PC																							
	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>M</td><td></td></tr> <tr><td>GOZ</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		M		GOZ		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>M</td><td></td></tr> <tr><td>GOZ</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		M		GOZ		W		Z		PC	
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	ACSIL013 Glue for Mitre	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>M</td><td></td></tr> <tr><td>GOZ</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		M		GOZ		W		Z		PC	
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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	M = Dual Colour GOZ = Gold W = White Z = Black	 																				

ACCESSORIES : PHOTOS & DRAWINGS




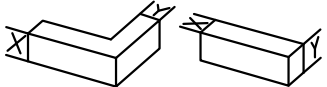


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					W <input type="checkbox"/>	
					Z <input type="checkbox"/>	
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	ACUN3900 Gasket Roller	1	each		MF <input type="checkbox"/>	
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					PC <input type="checkbox"/>	
 <p>T-BARS ACV665=2.5mm ACV666=3.0mm ACVL150=4.0mm</p> <p>Screw (Grub)</p>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour				M = Dual Colour	
					GOZ = Gold	
					W = White	
					Z = Black	
						

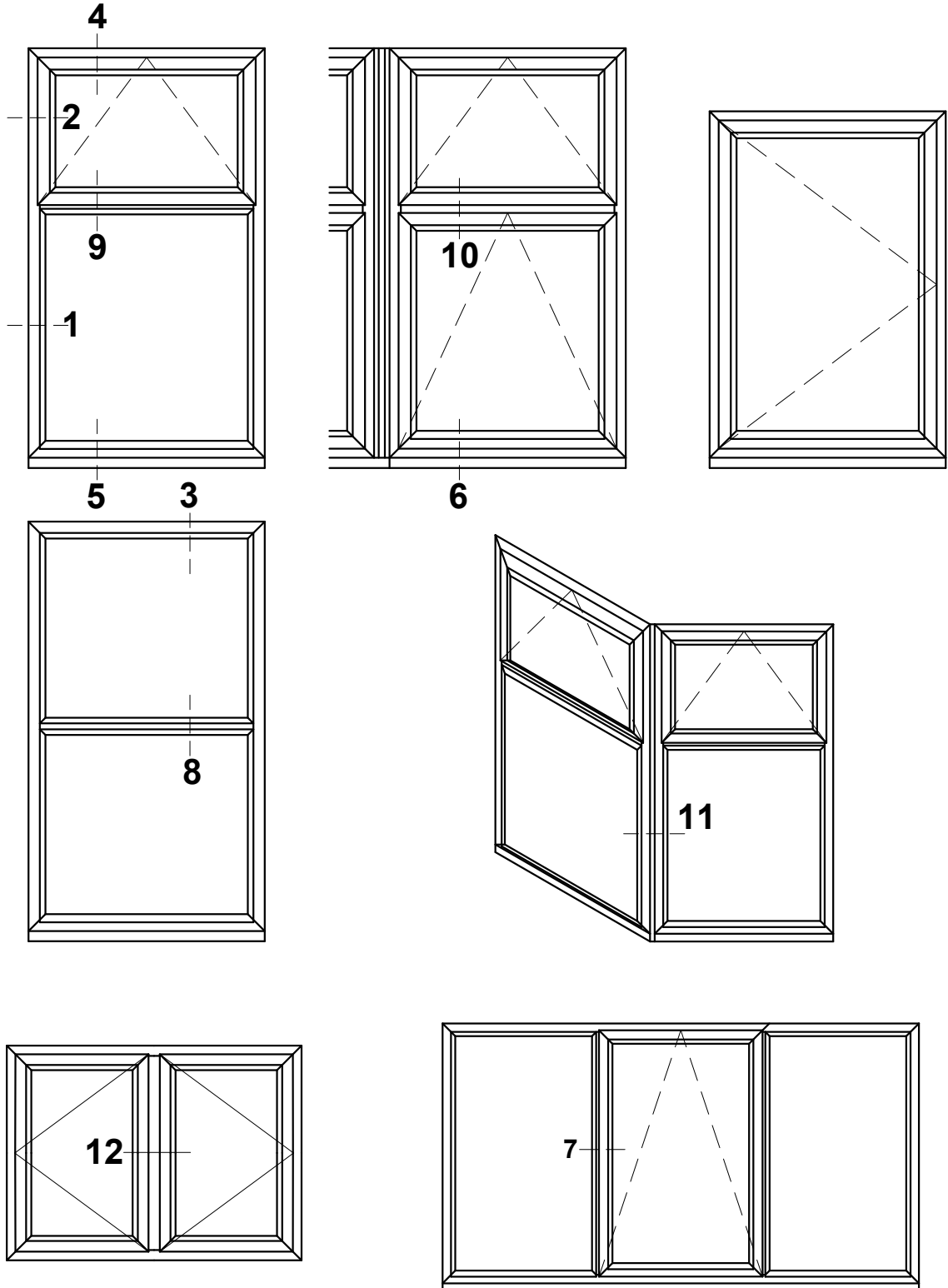
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					MF SA KL HP M GOZ W Z PC
					MF SA KL HP M GOZ W Z PC
					MF SA KL HP M GOZ W Z PC
					MF SA KL HP M GOZ W Z PC
 <p>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</p> <p>Screw (Grub)</p>	<p>MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour</p> <p>M = Dual Colour GOZ = Gold W = White Z = Black</p>				

Section C

**Alitherm 800
Sections
Scale Elevations**

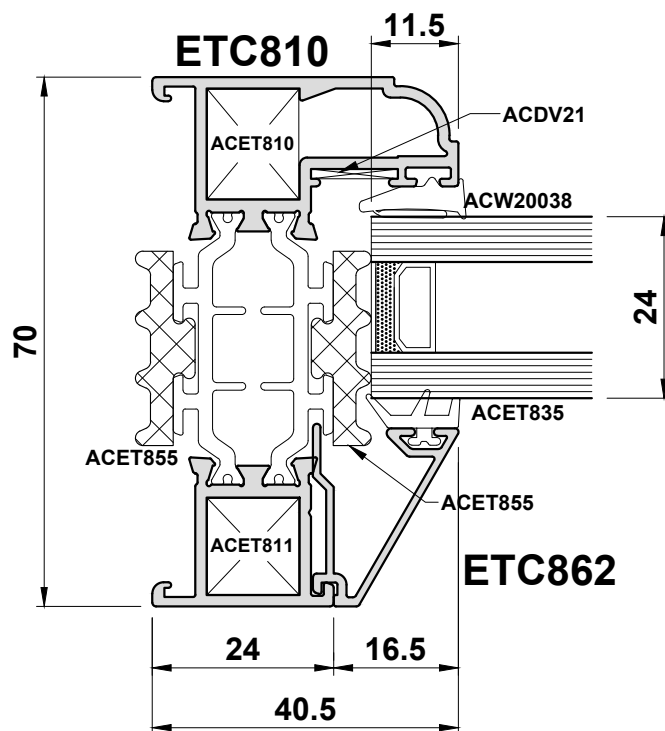
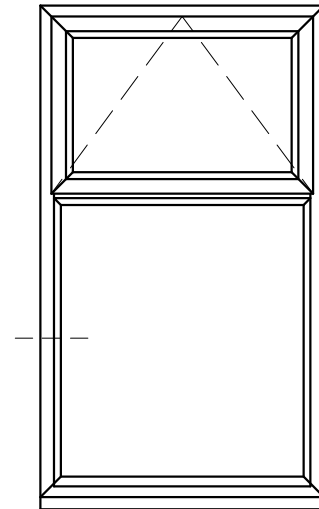
Section C

Scale Elevations



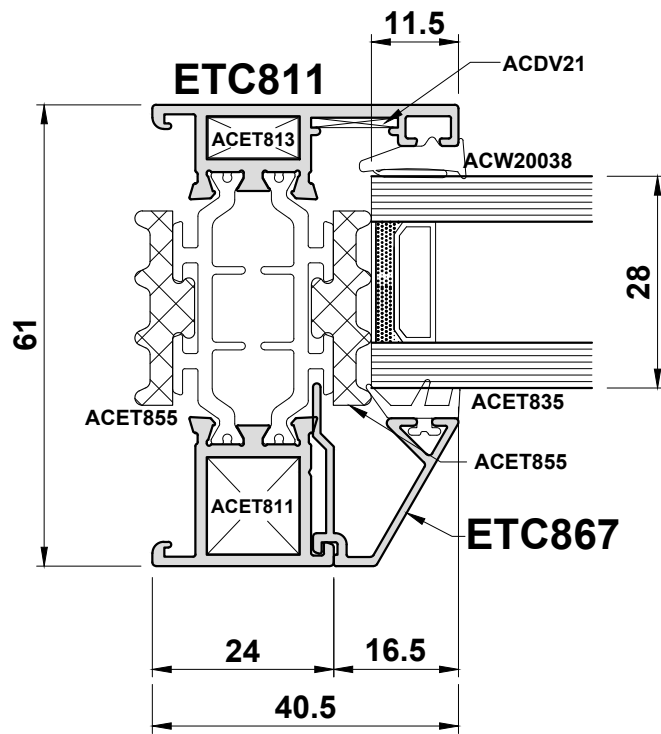
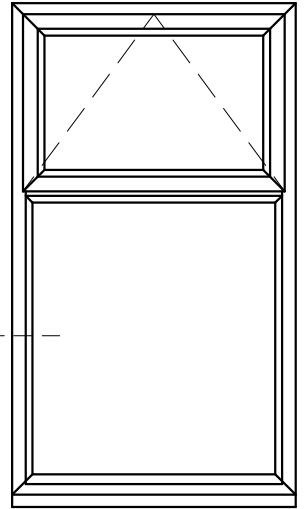
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Detail 1A



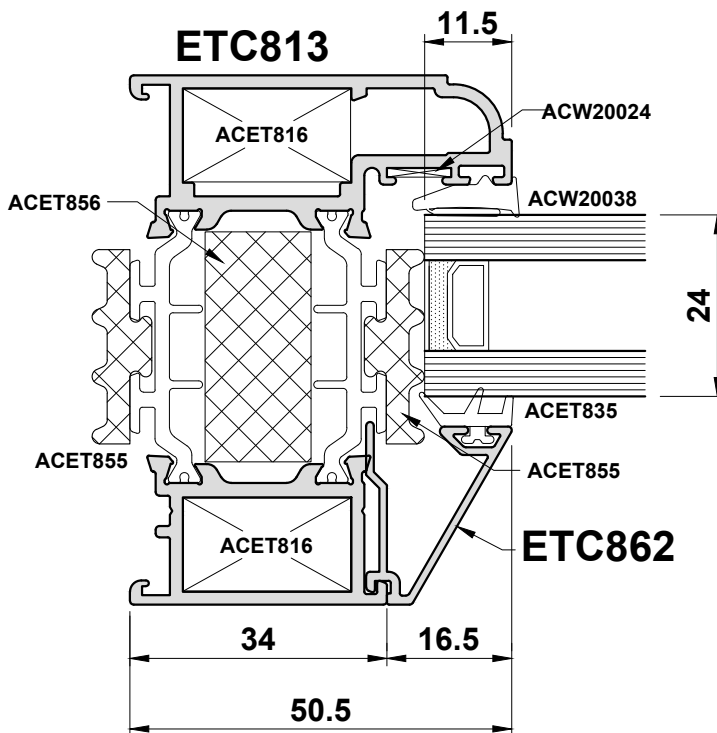
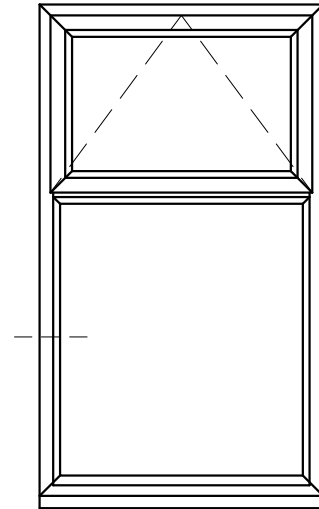
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Detail 1B



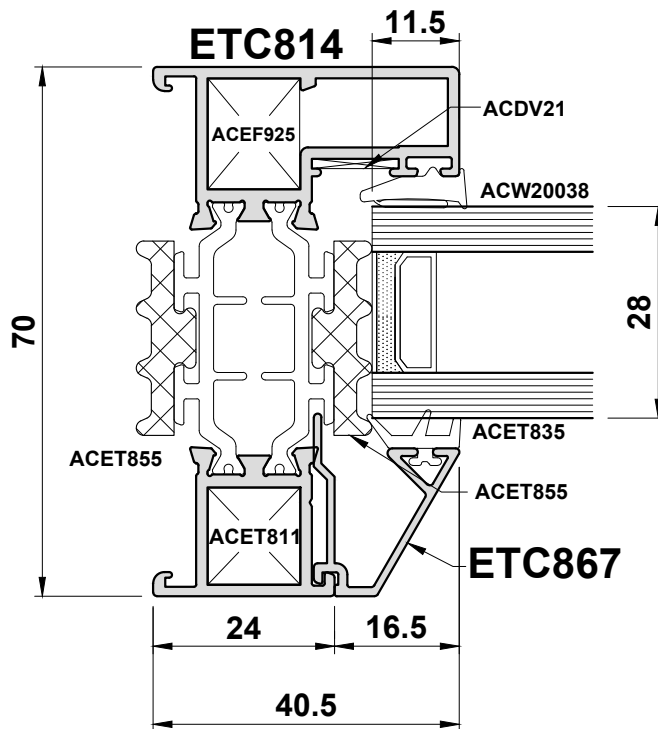
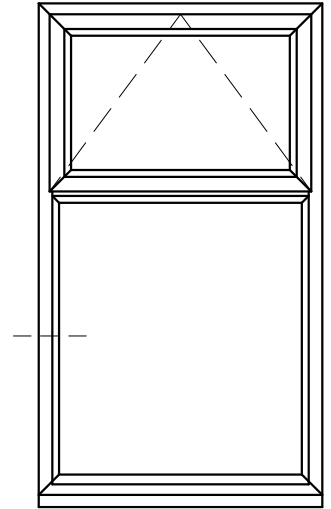
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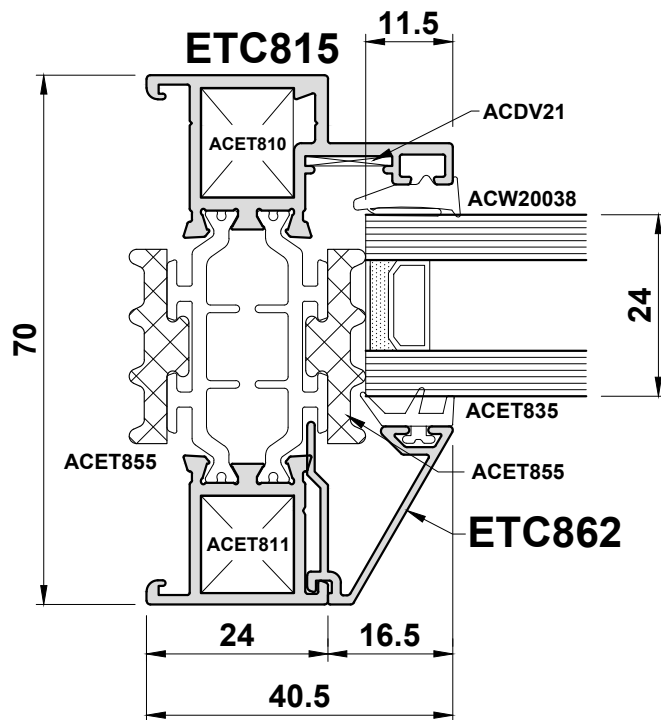
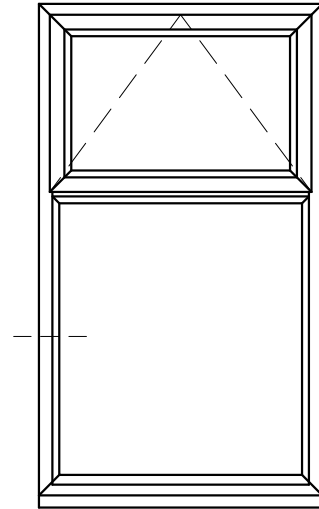
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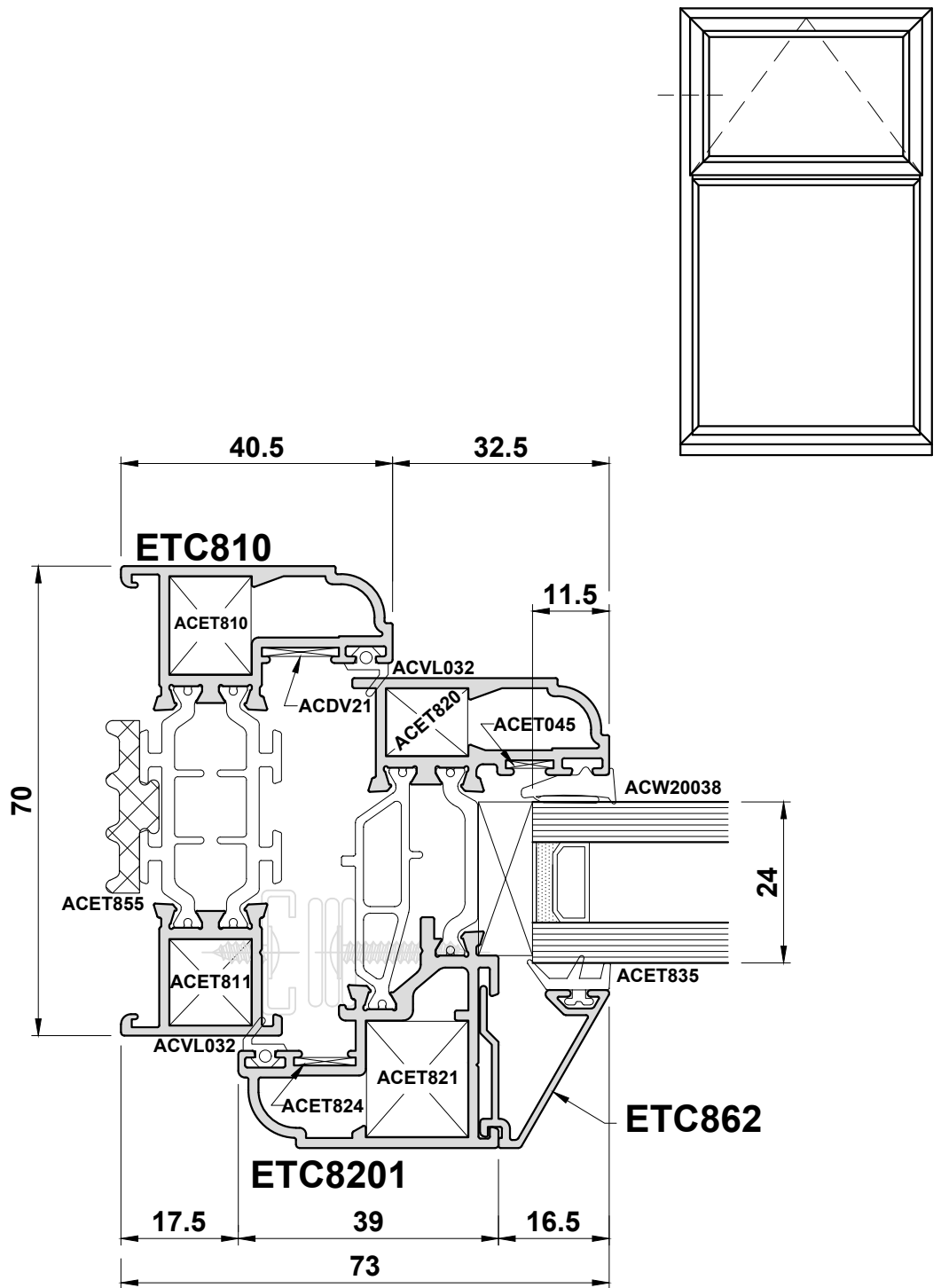
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Detail 1E



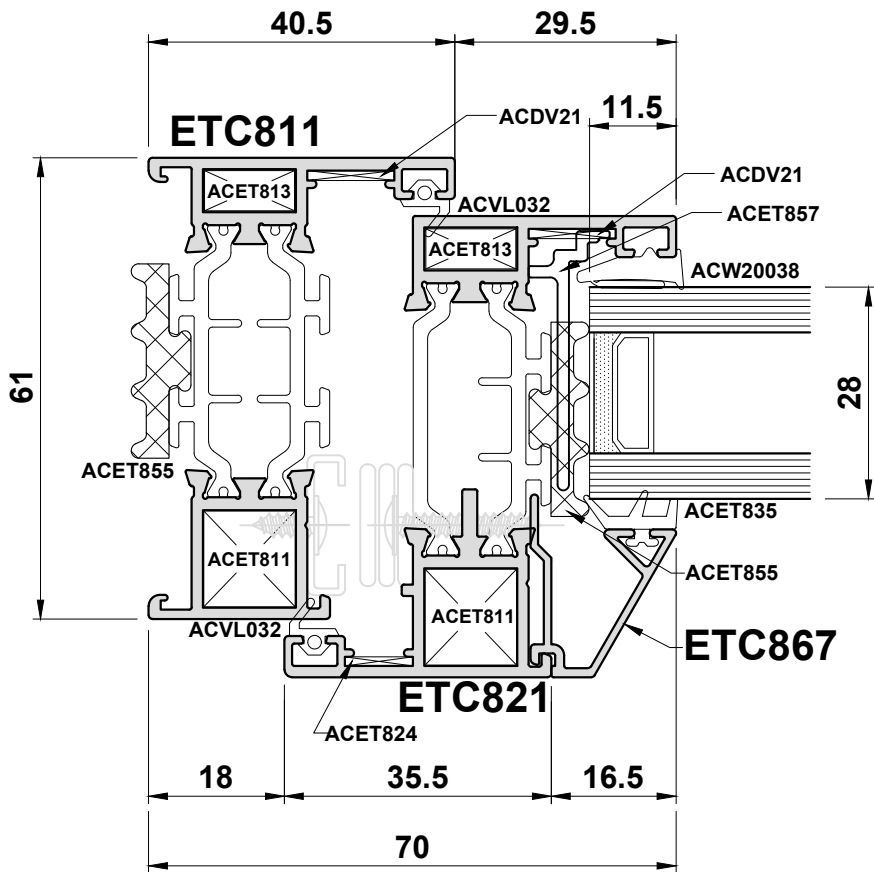
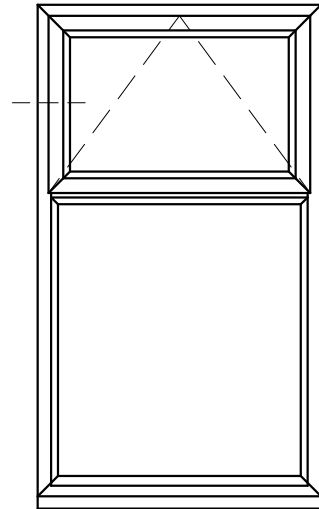
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Detail 2A



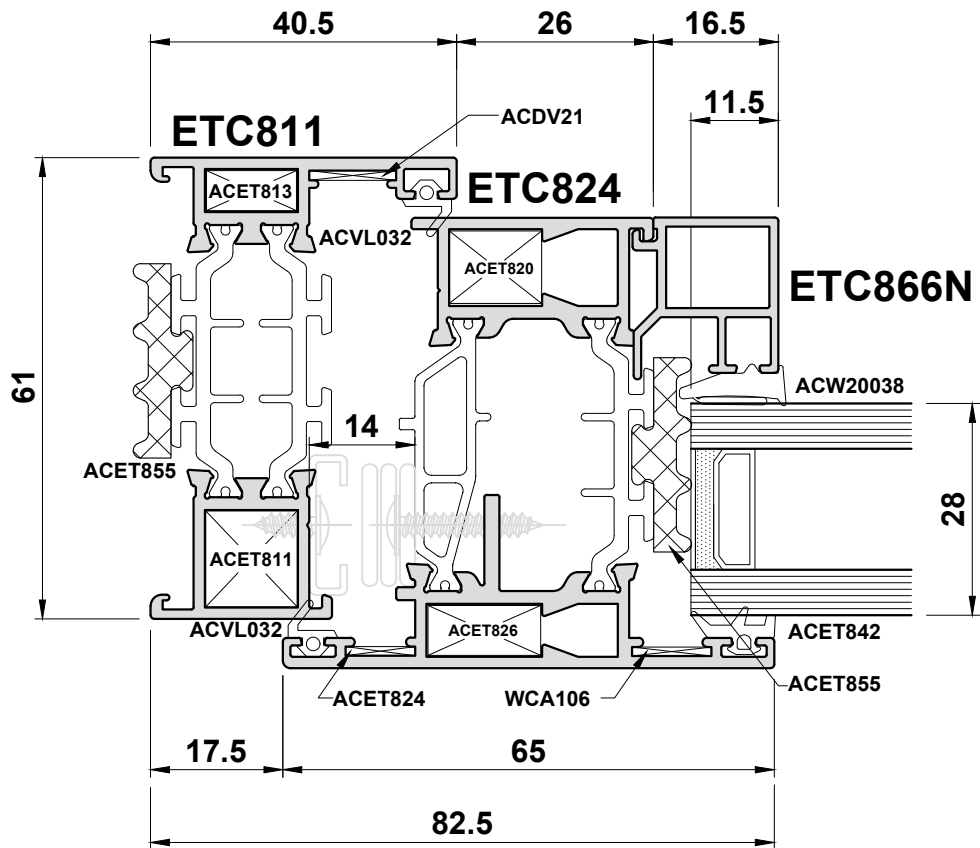
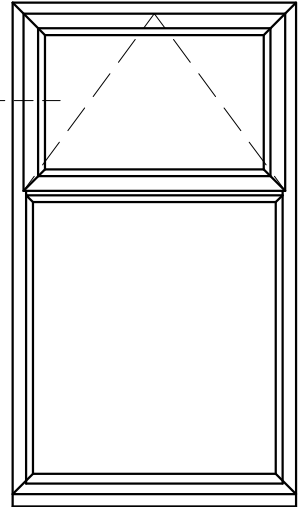
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Detail 2B



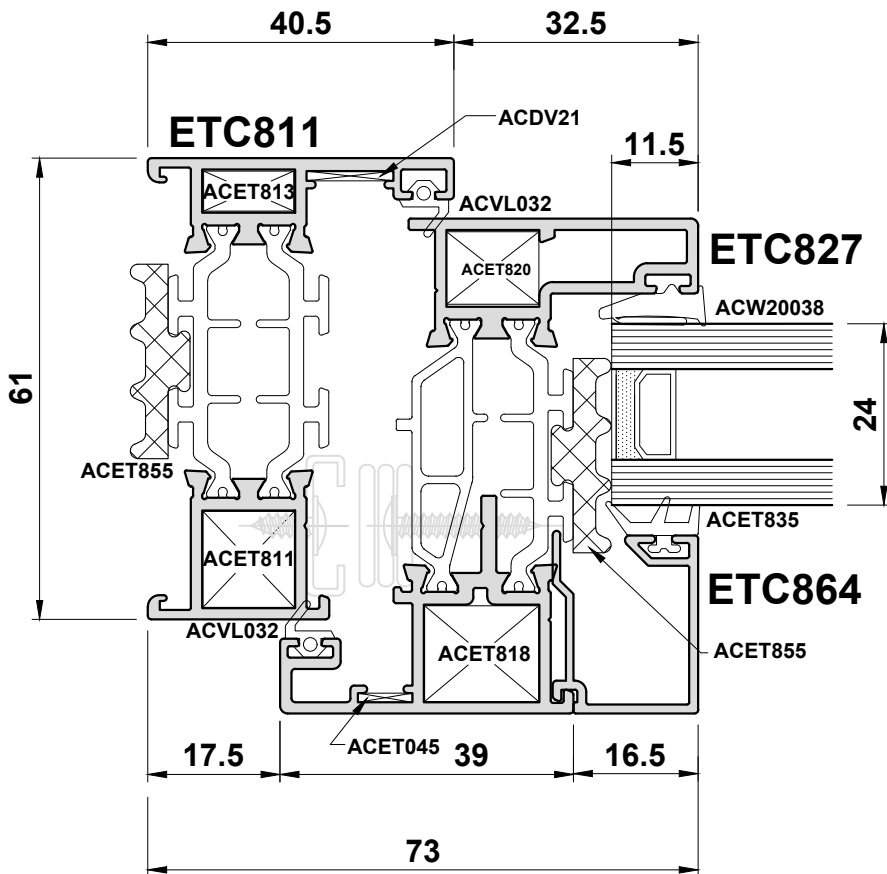
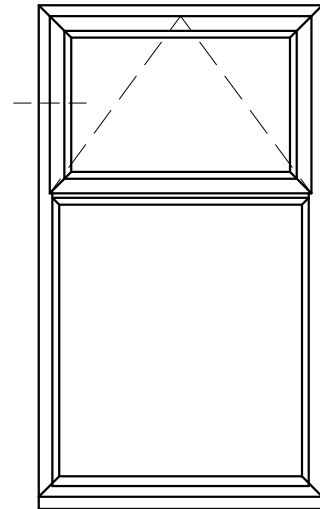
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Detail 2C



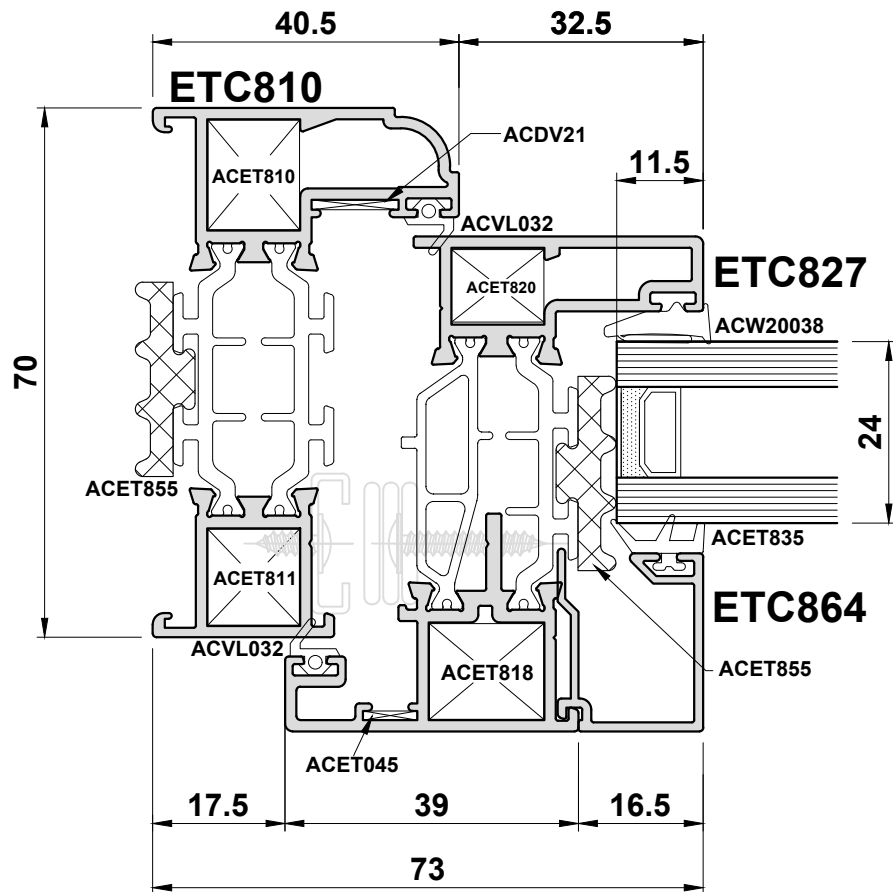
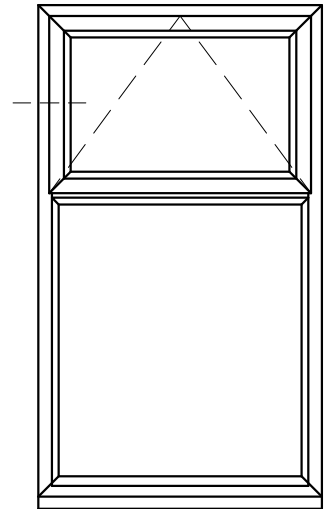
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Detail 2D



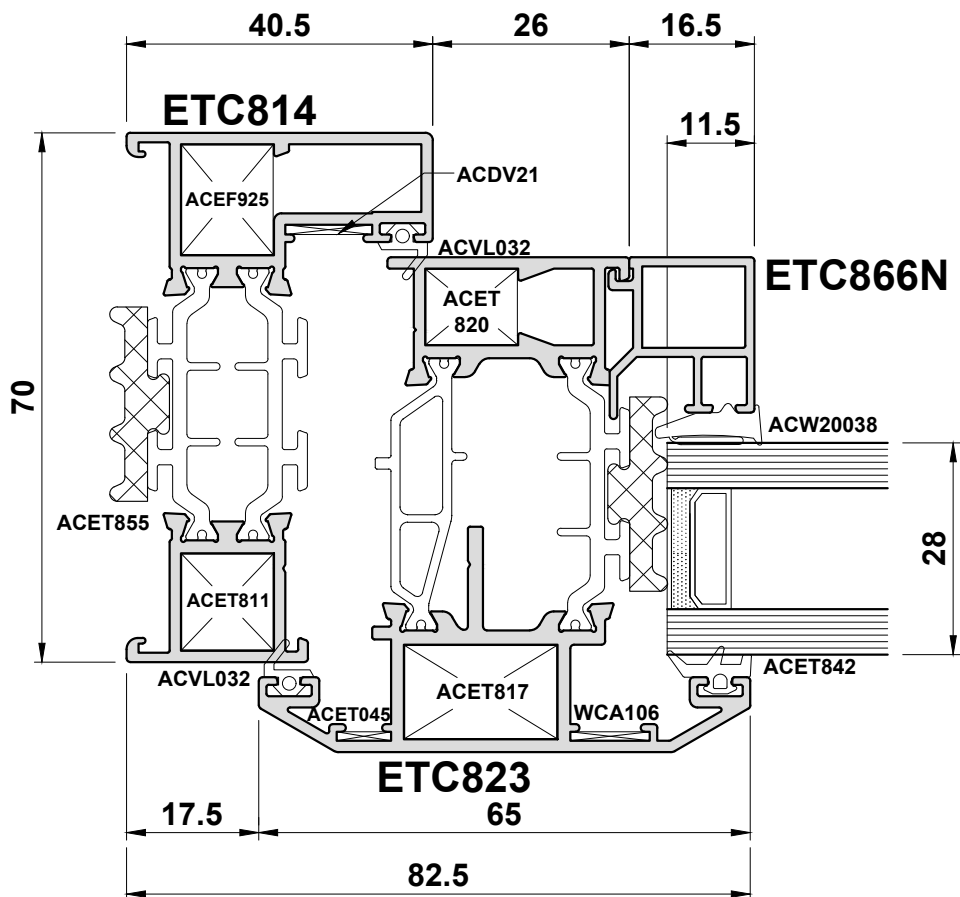
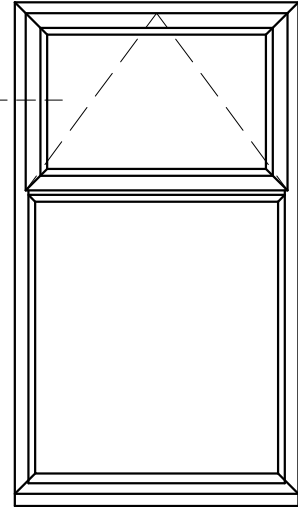
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Detail 2E



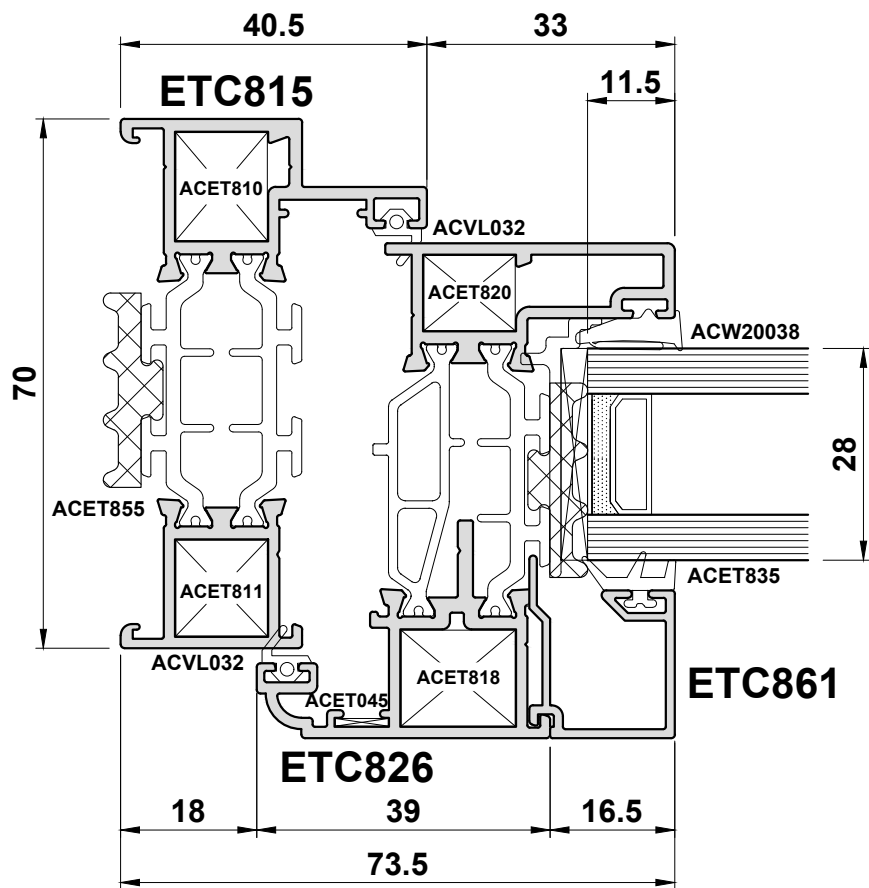
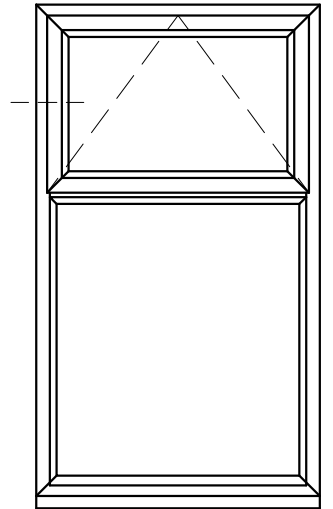
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Detail 2F



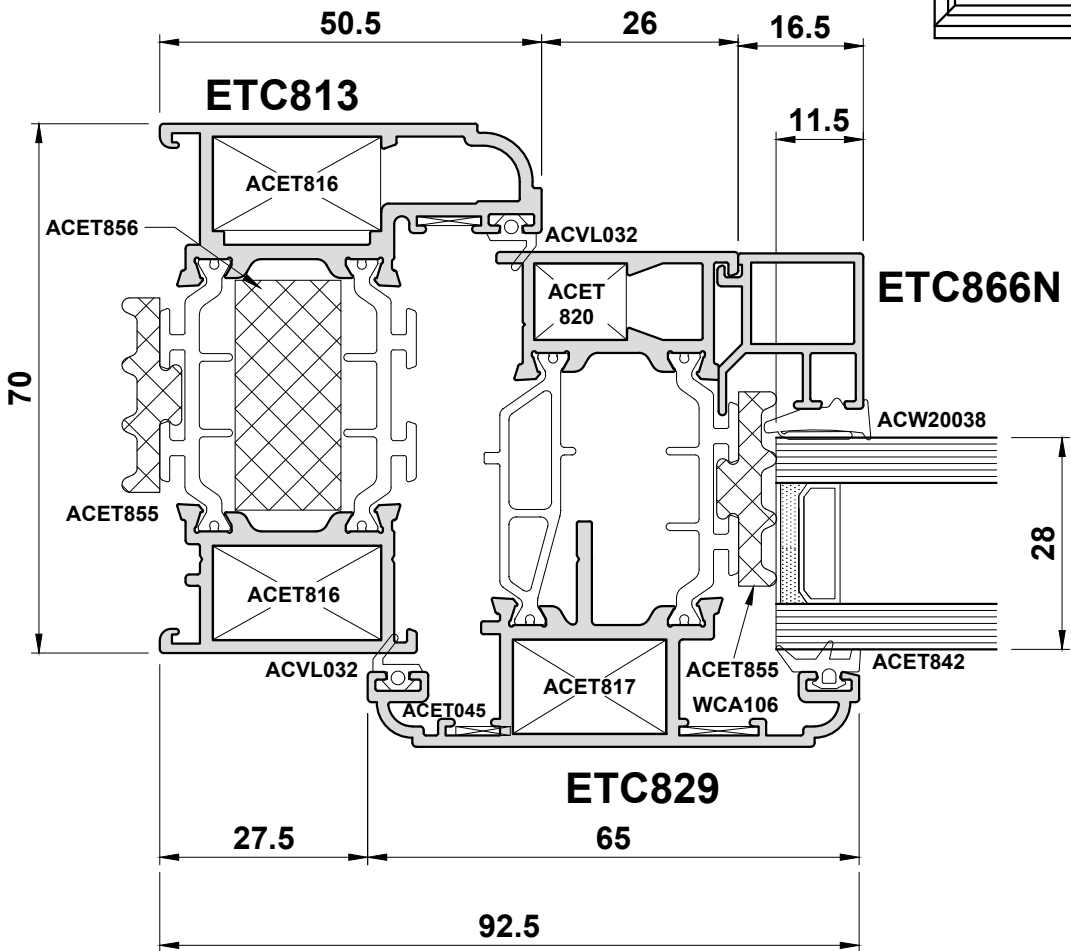
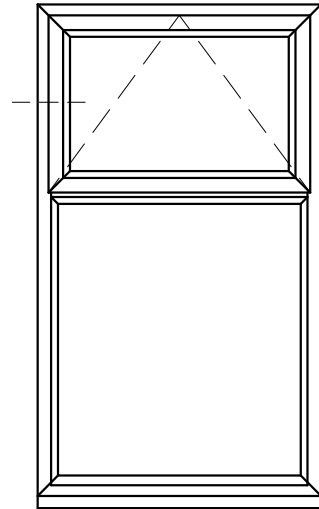
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Detail 2G



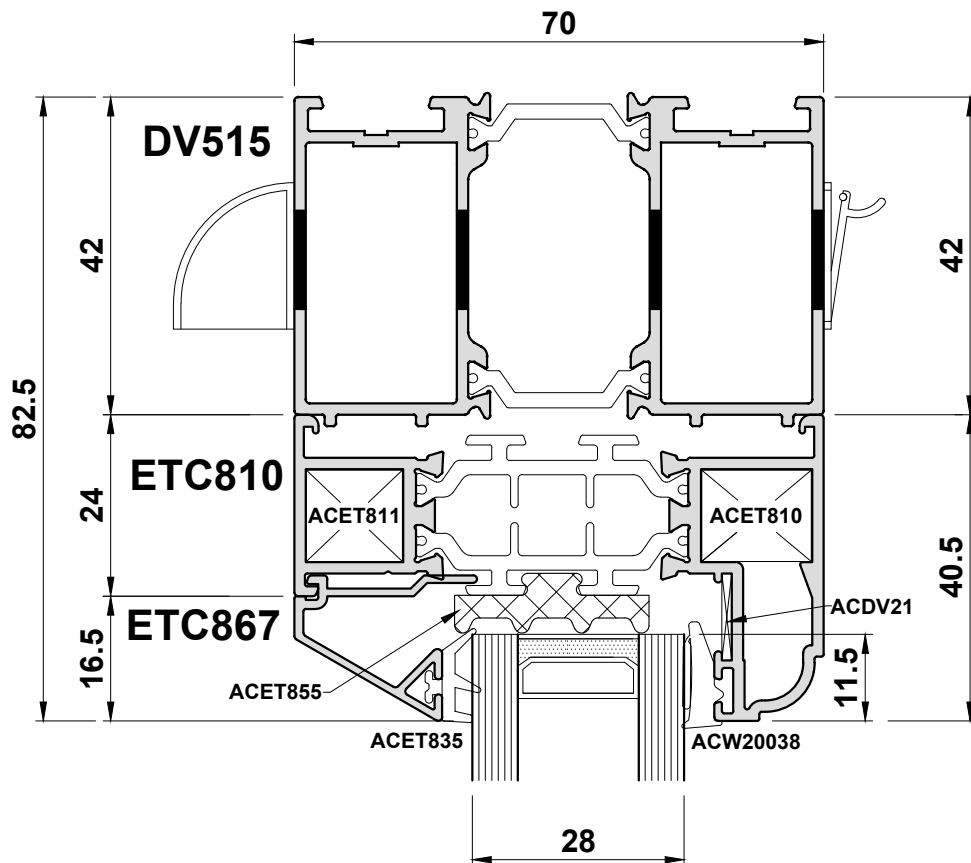
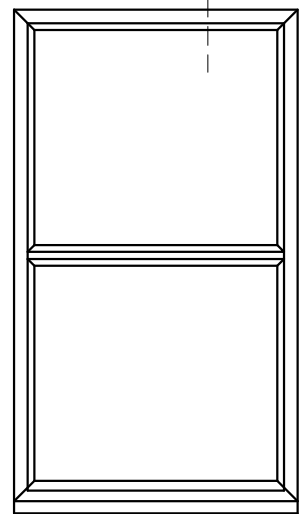
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Detail 2H



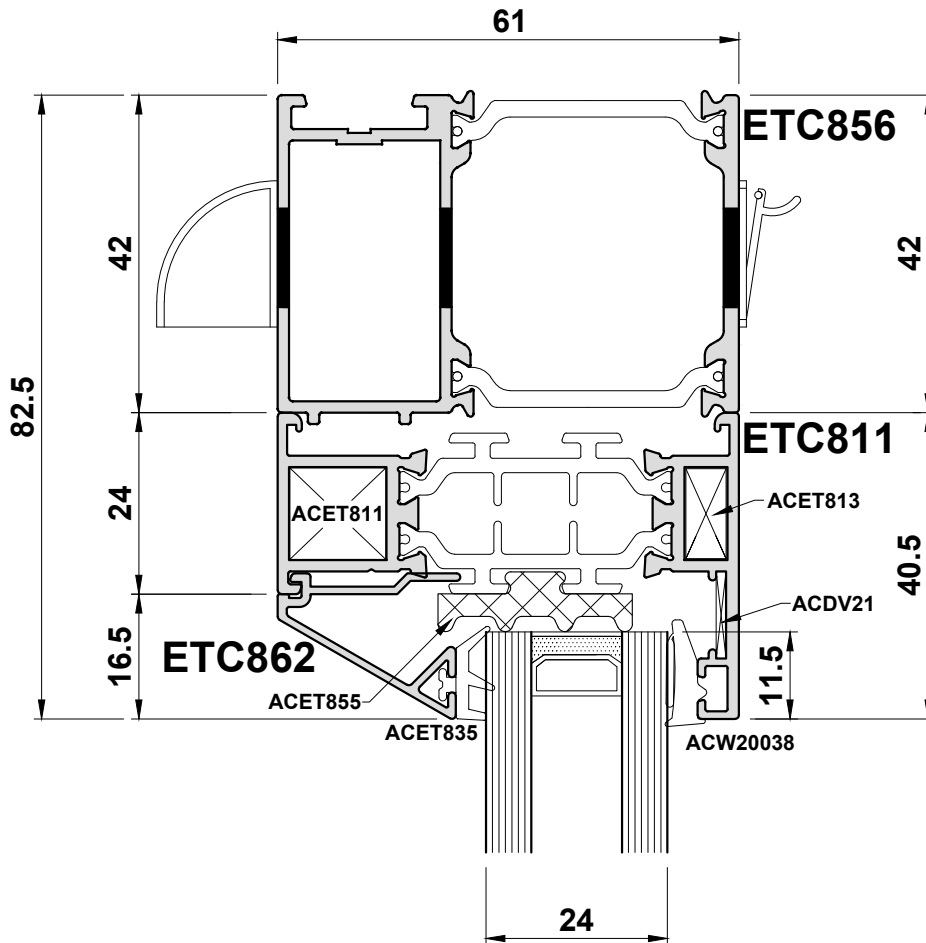
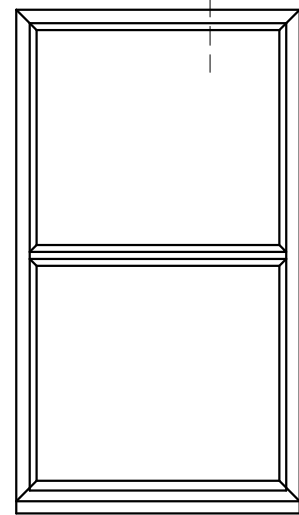
Do Not Scale From This Drawing

Detail 3A



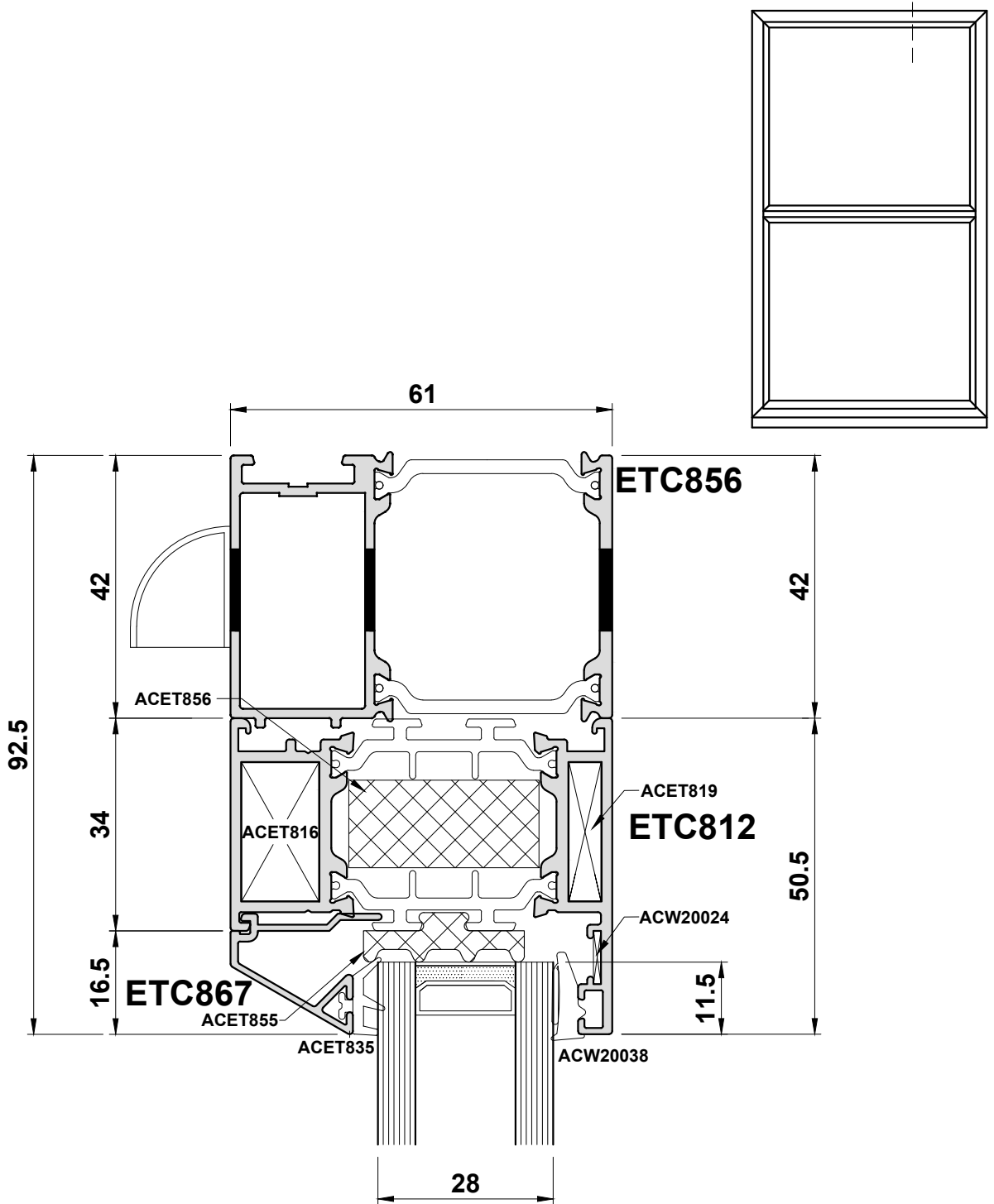
Do Not Scale From This Drawing

Detail 3B



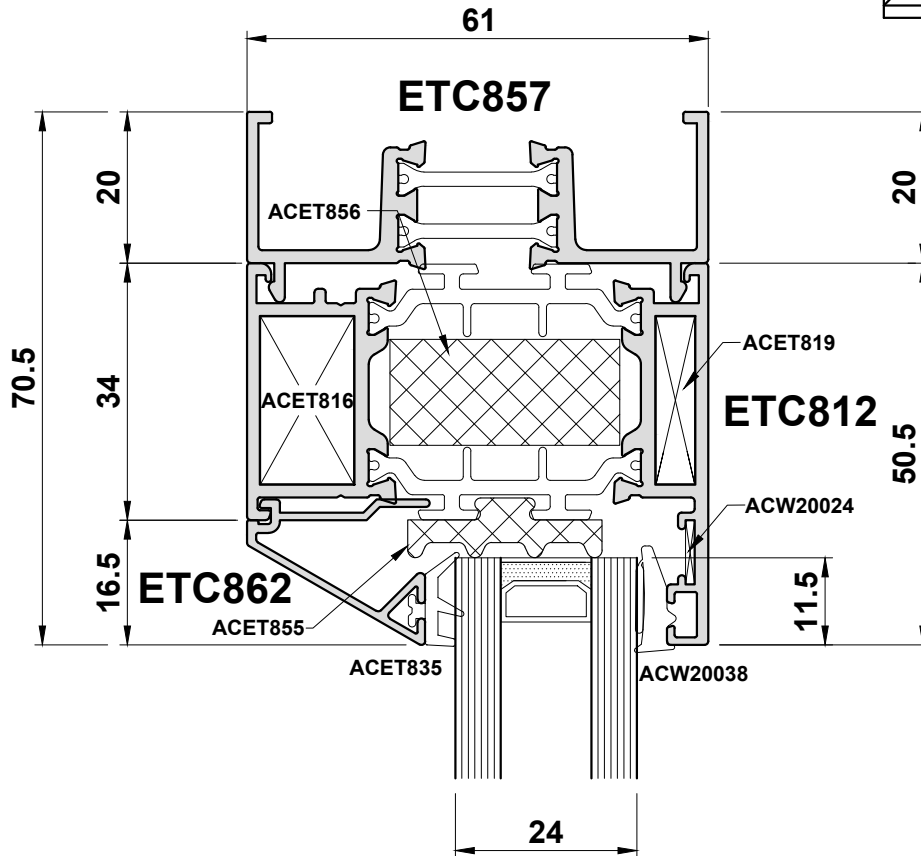
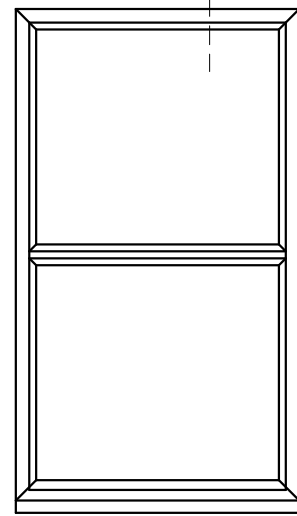
Do Not Scale From This Drawing

Detail 3C



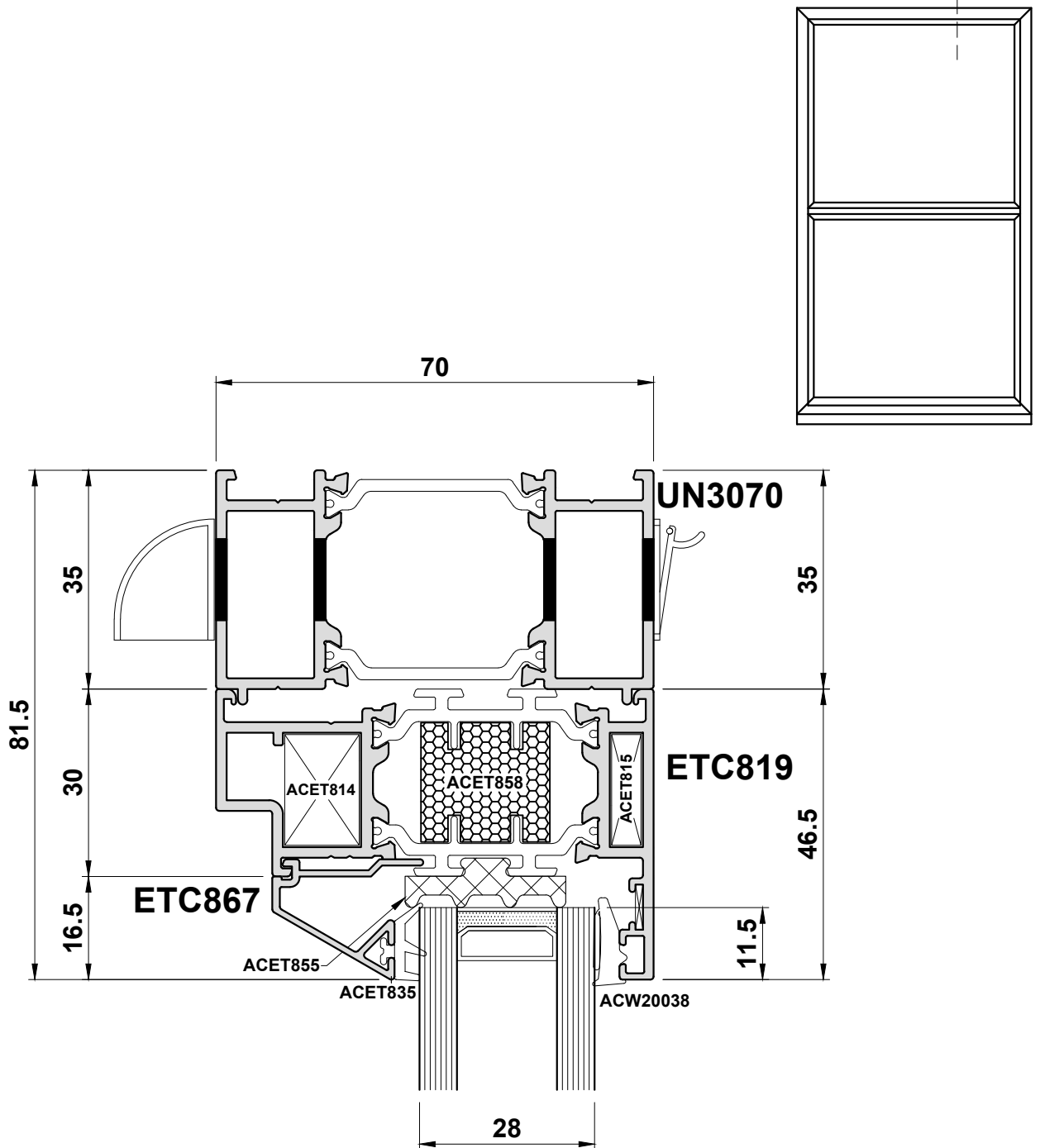
Do Not Scale From This Drawing

Detail 3D



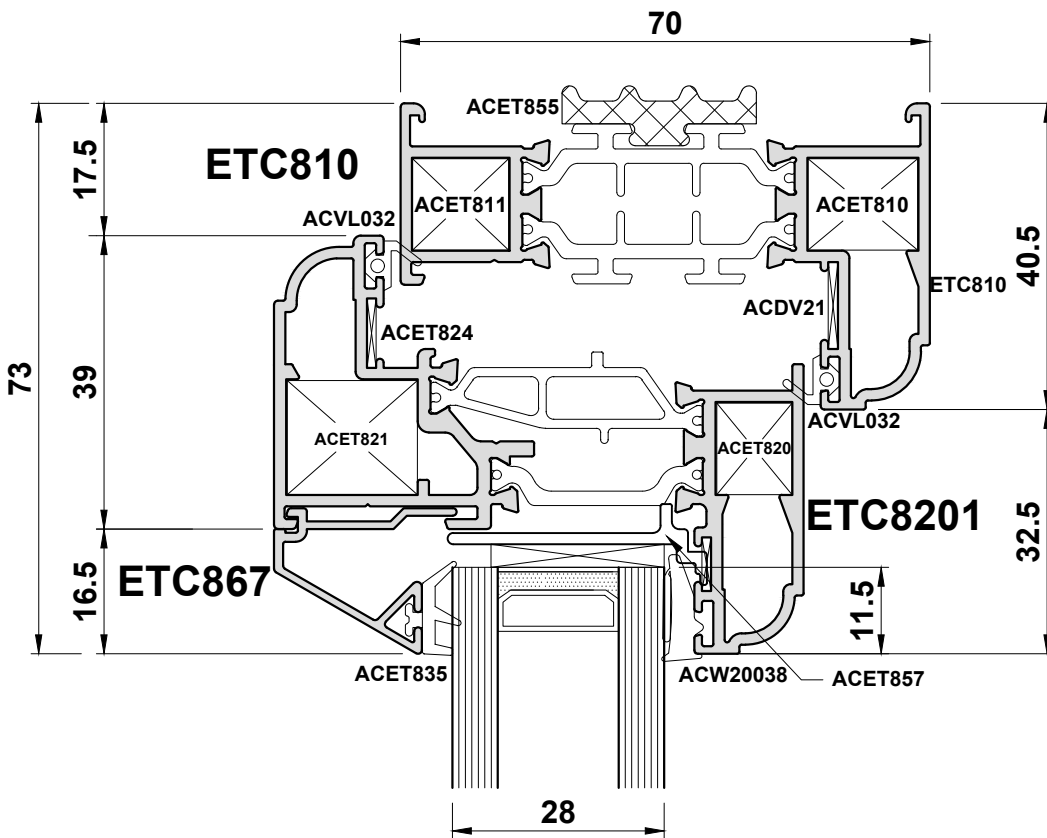
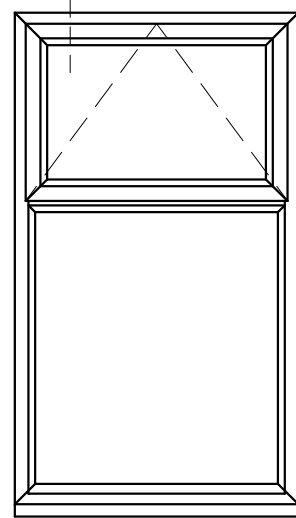
Do Not Scale From This Drawing

Detail 3E



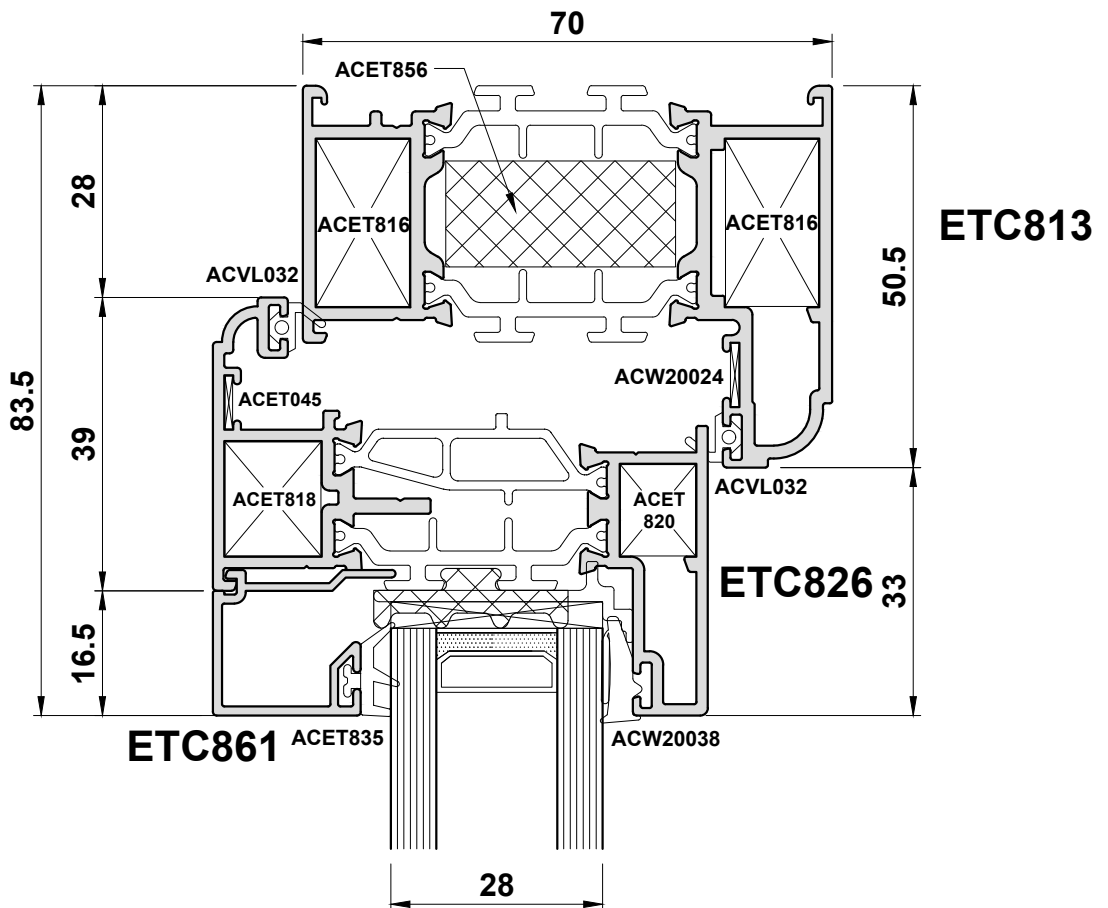
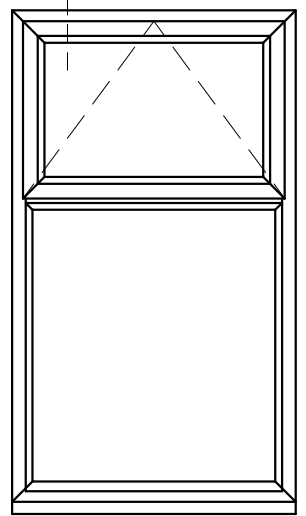
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Detail 4A



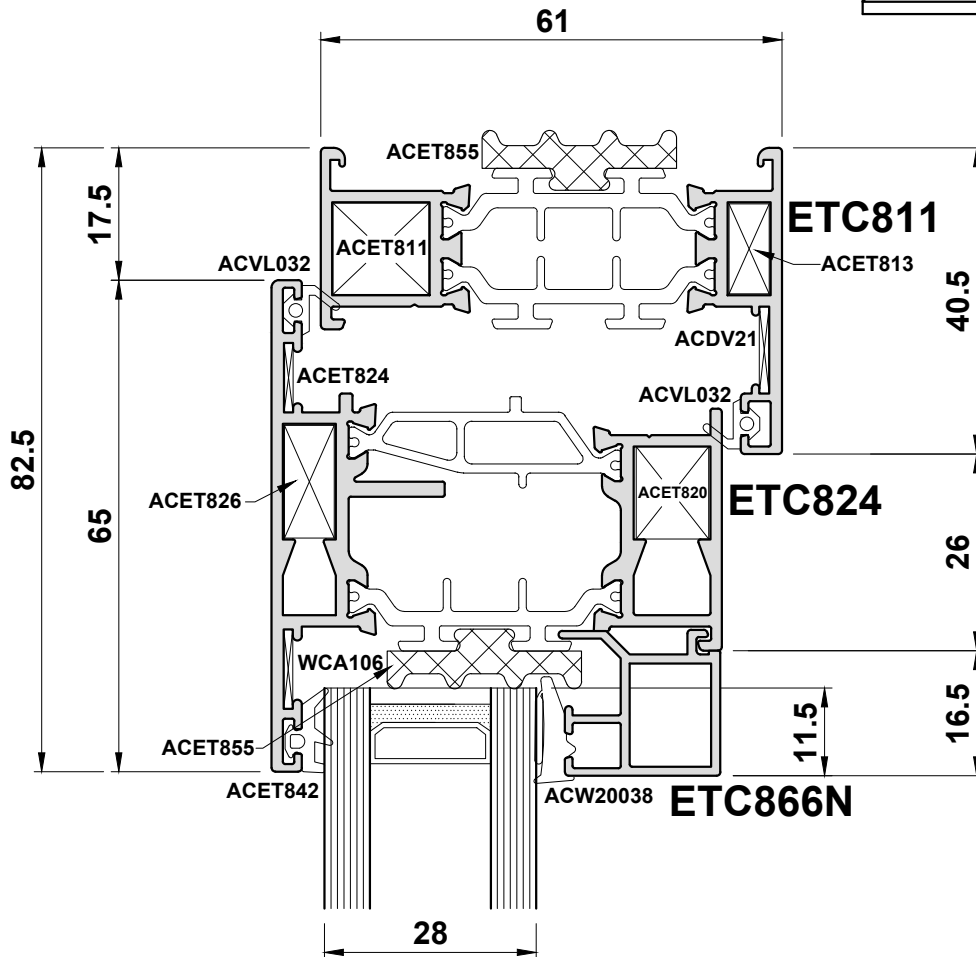
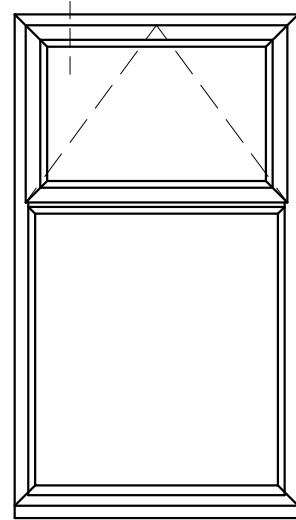
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Detail 4B



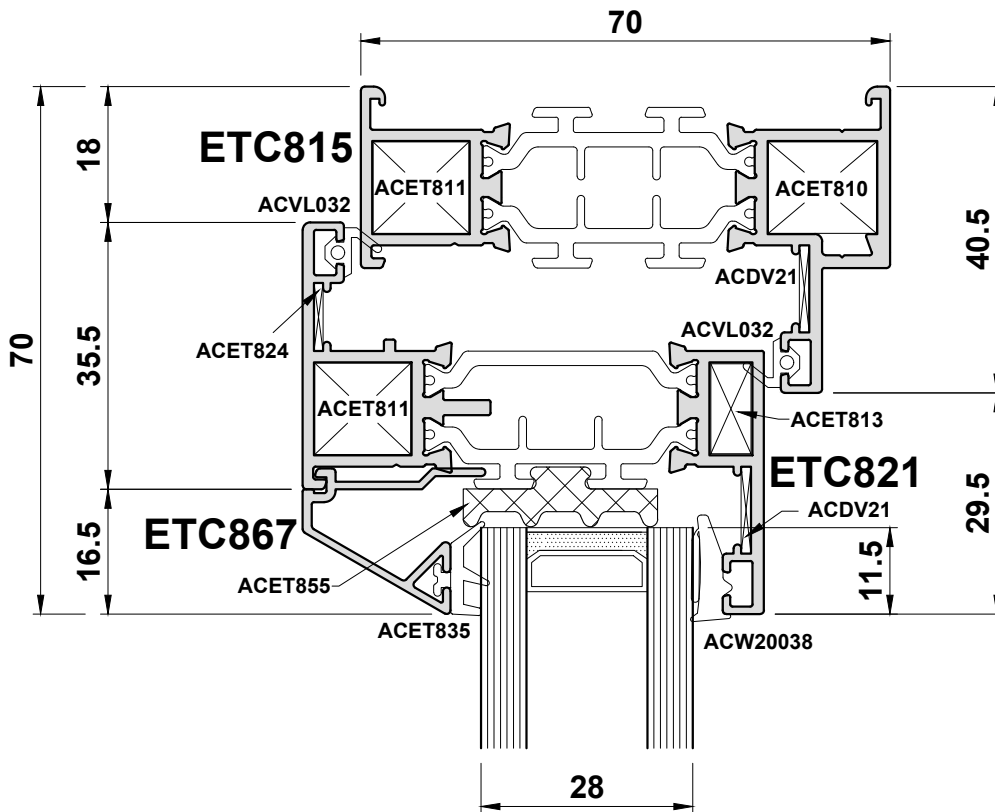
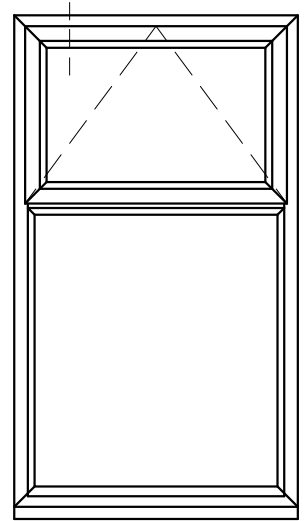
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Detail 4C



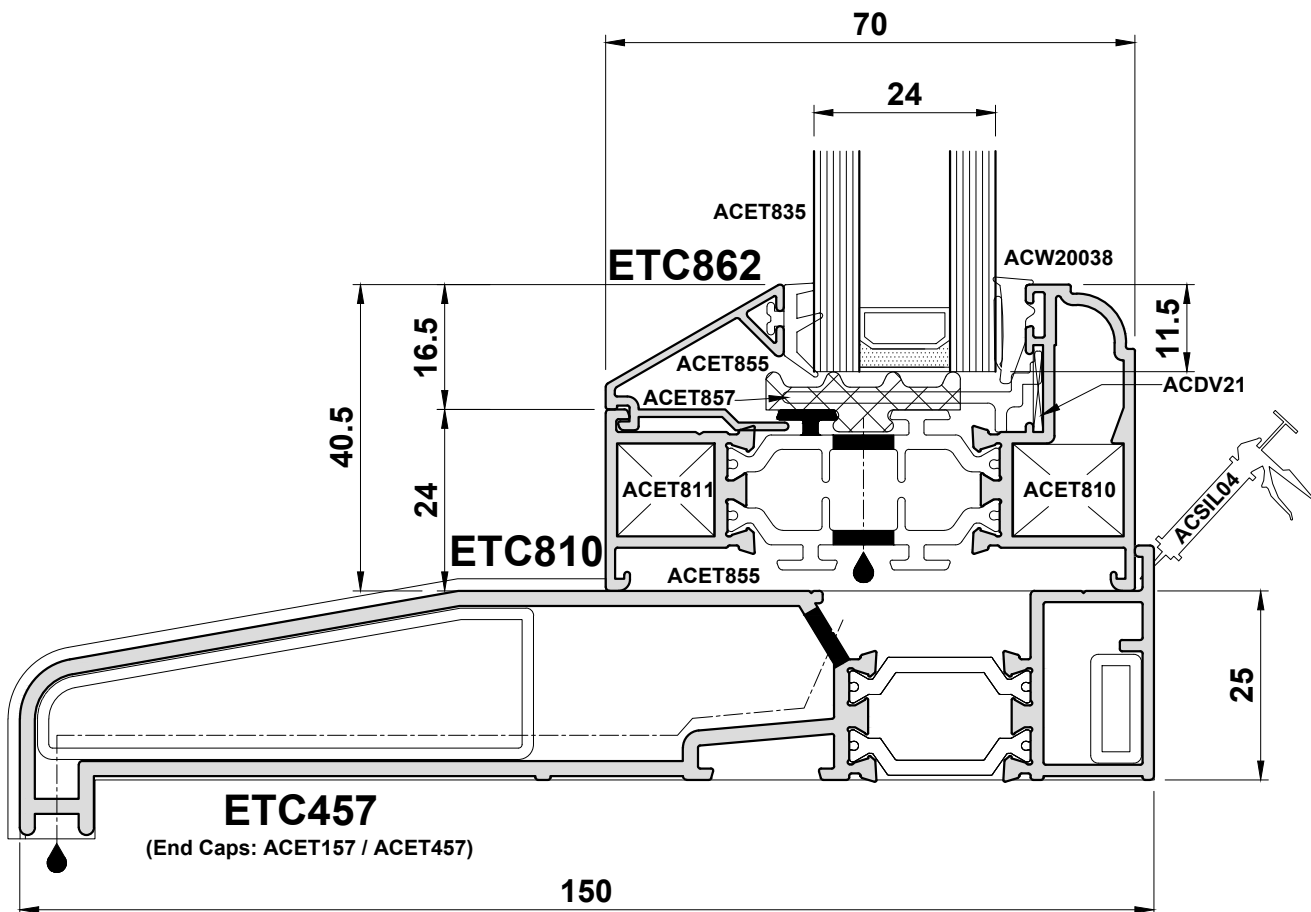
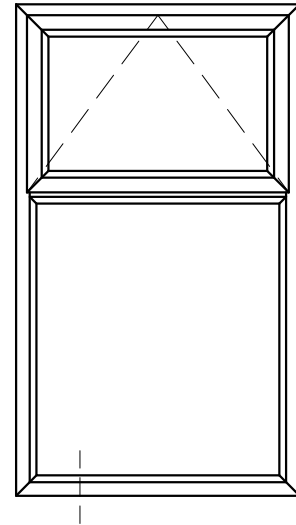
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Detail 4D



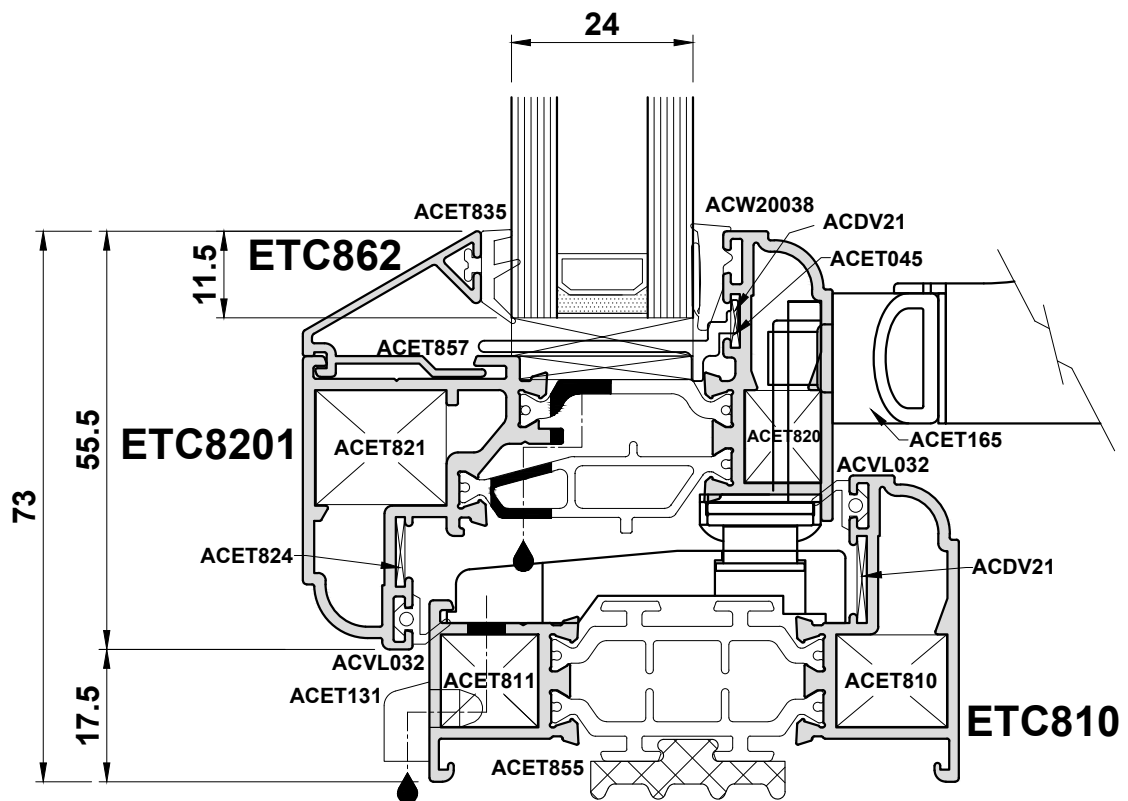
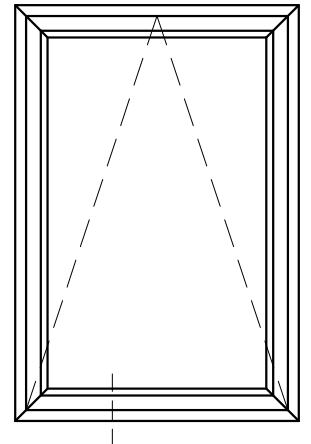
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Detail 5A



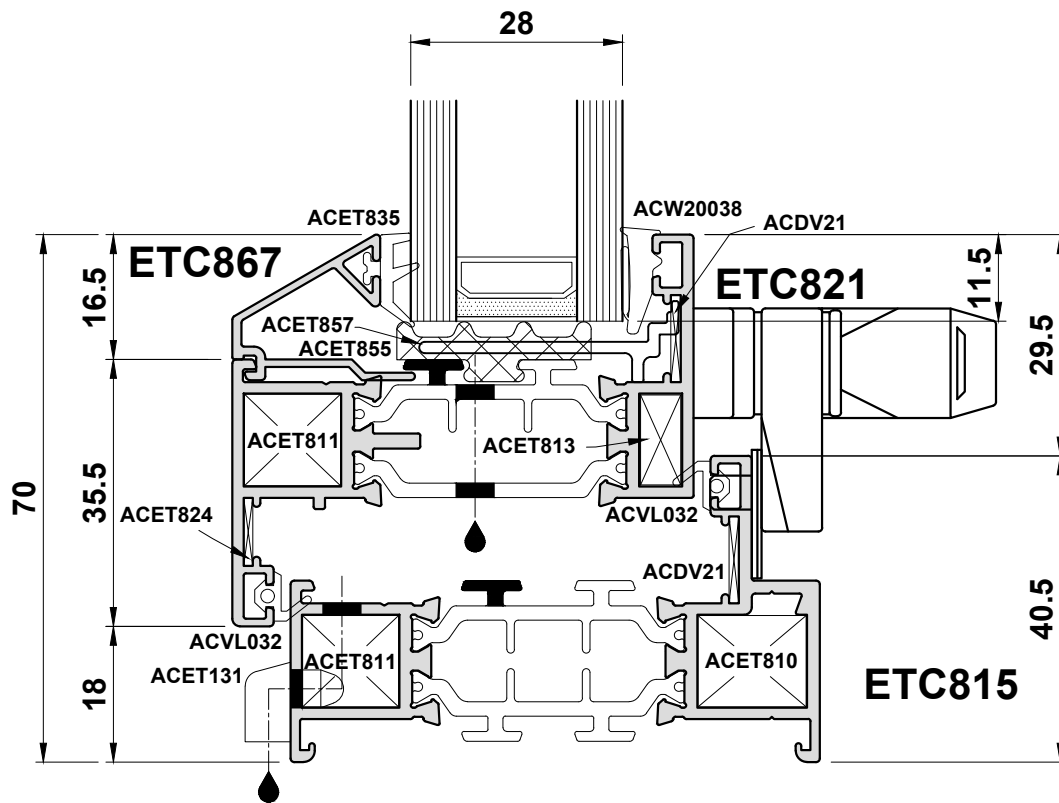
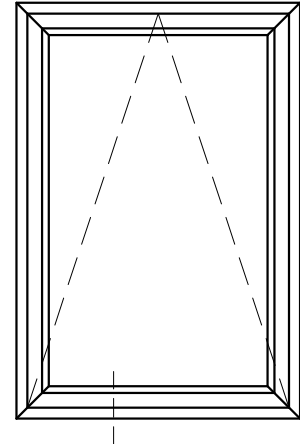
Do Not Scale From This Drawing

Detail 6A



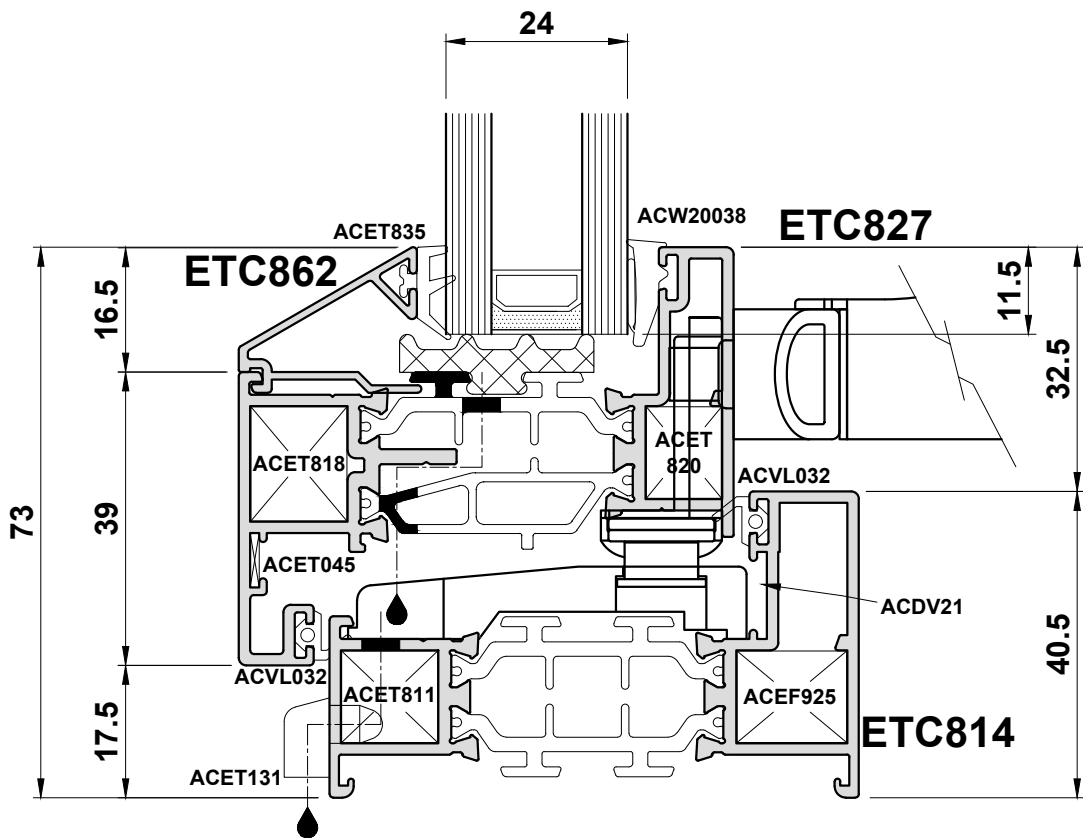
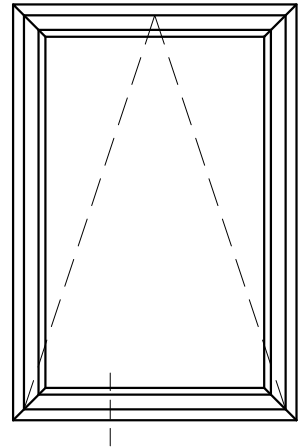
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Detail 6B



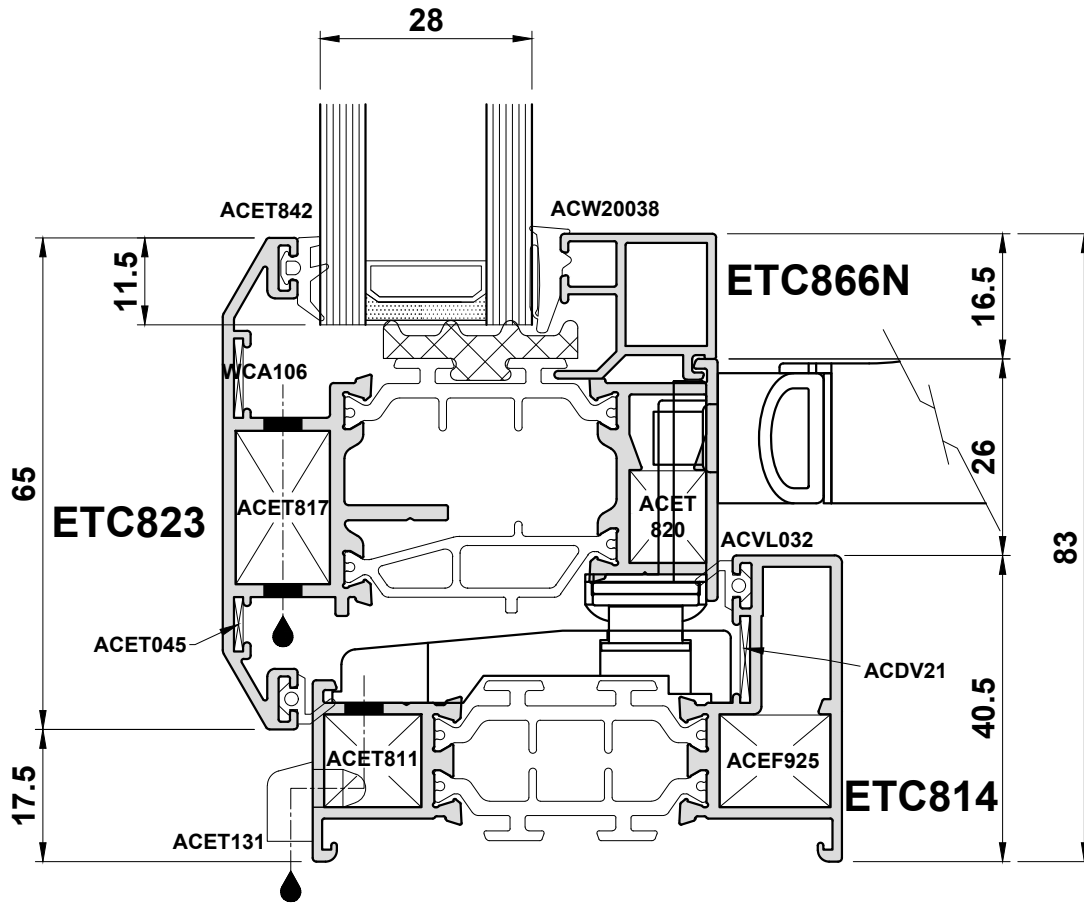
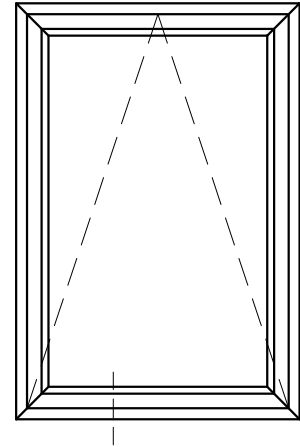
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Detail 6C



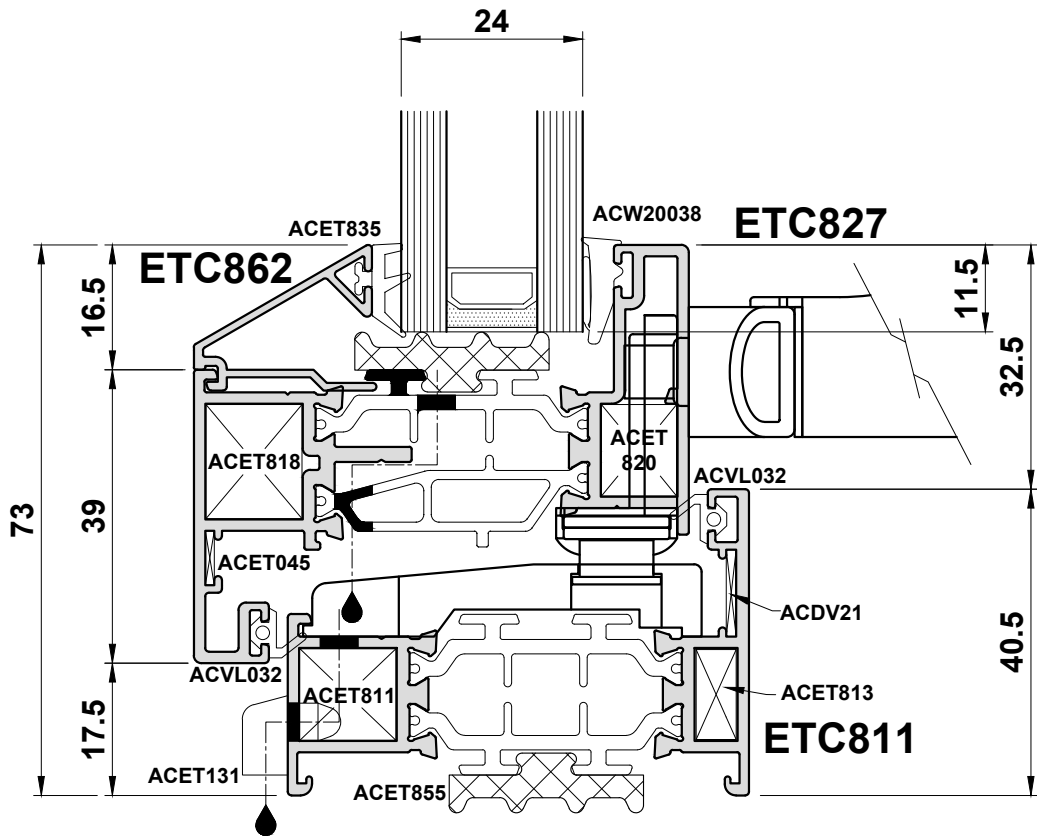
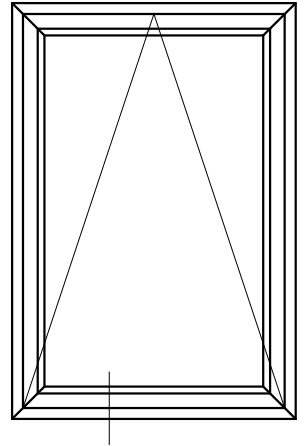
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Detail 6D



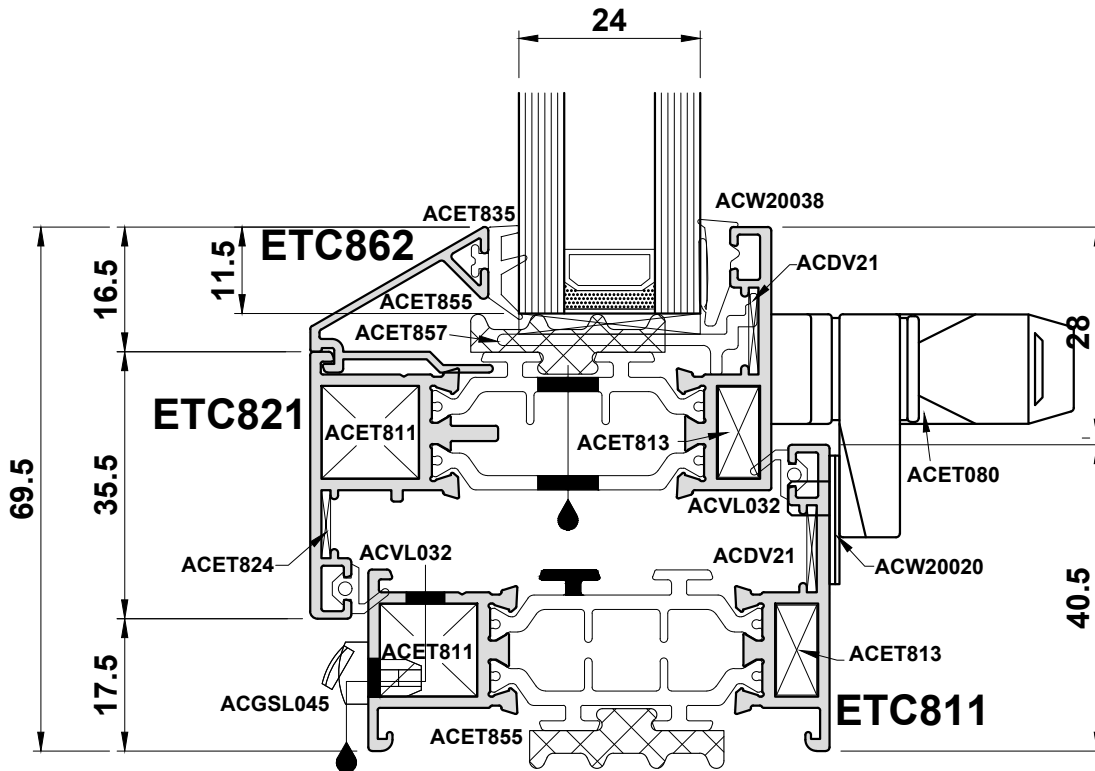
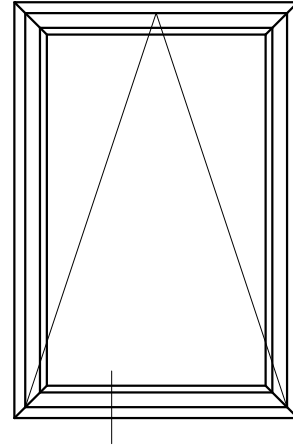
Do Not Scale From This Drawing

Detail 6E



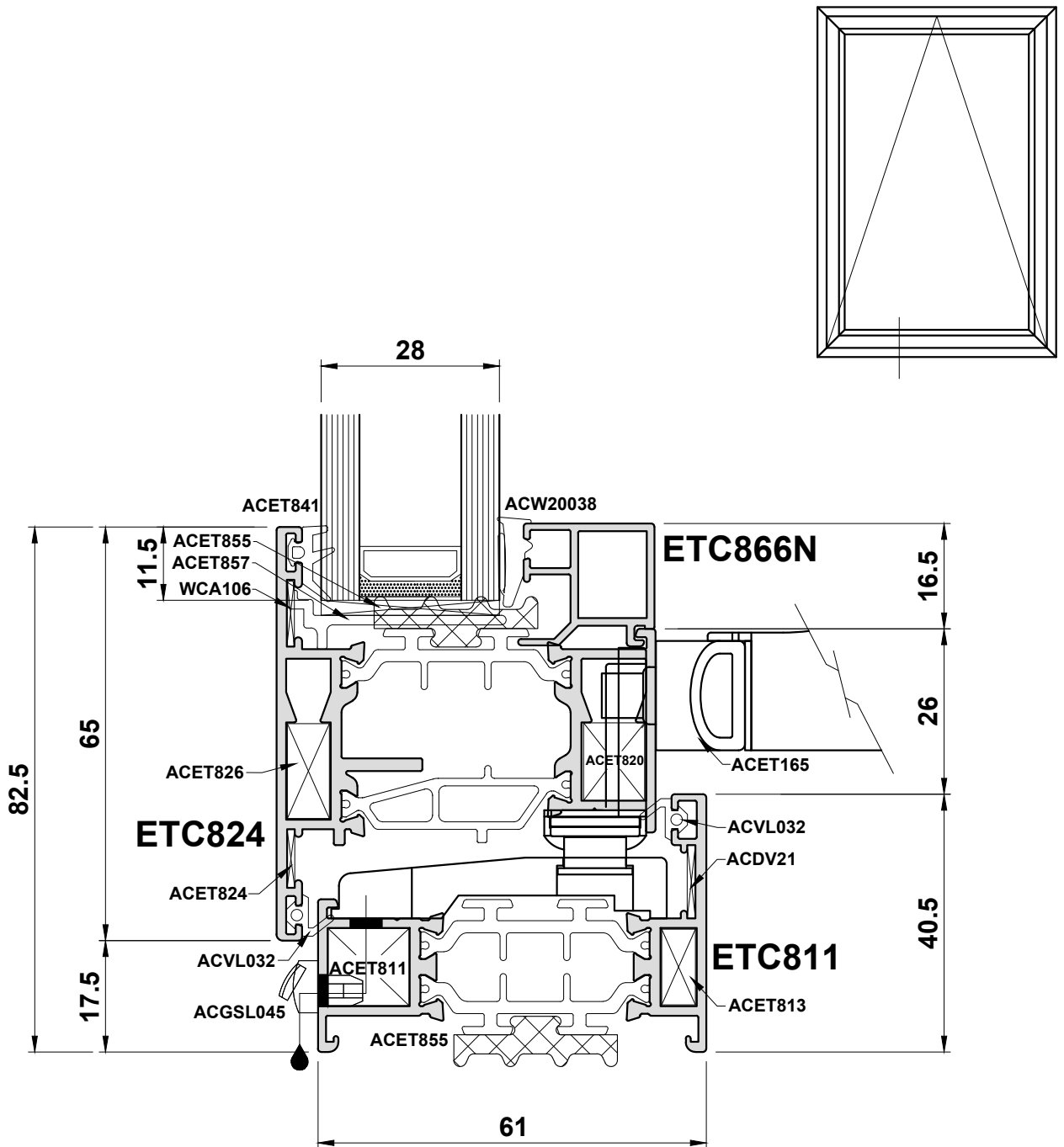
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Detail 6F



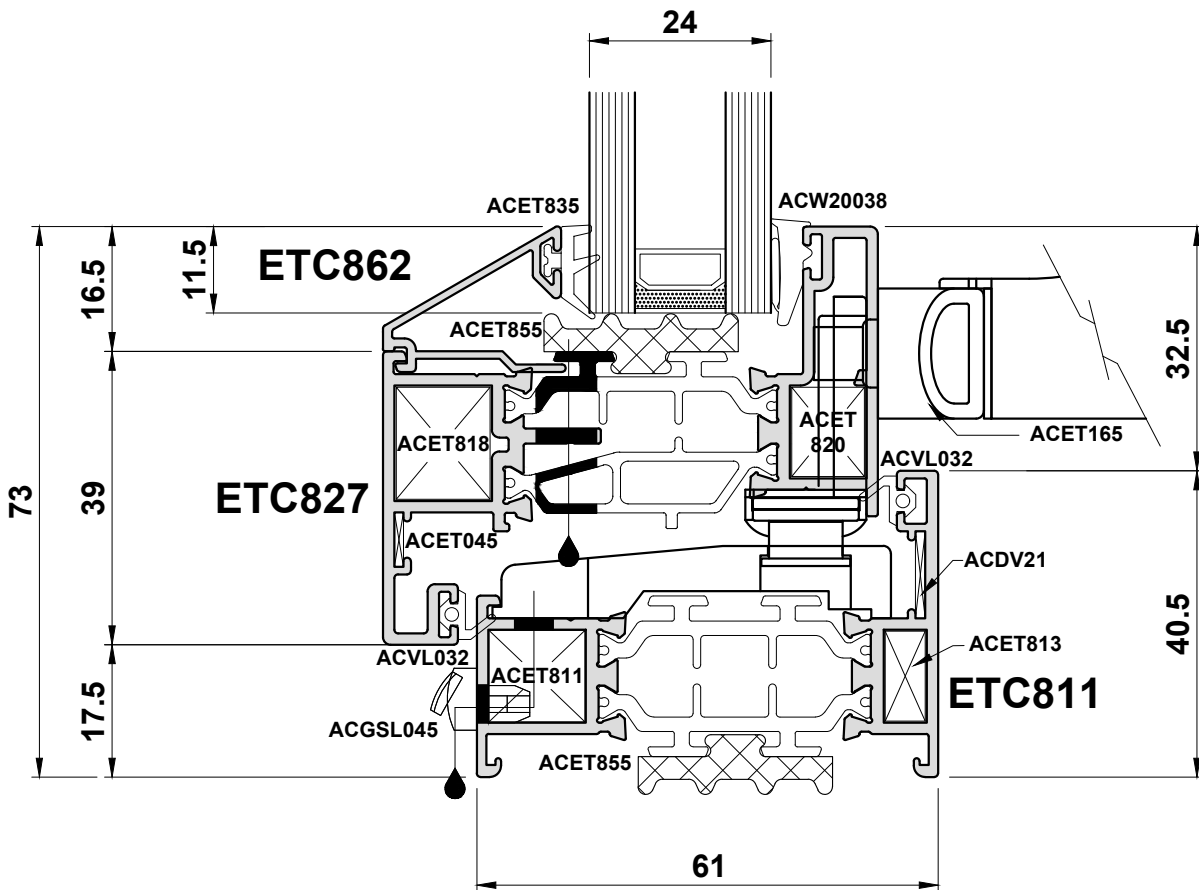
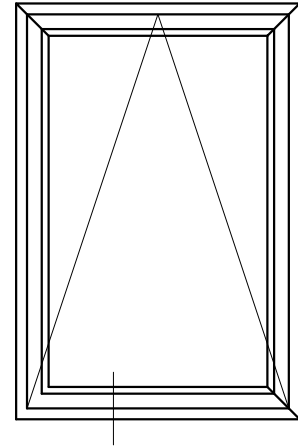
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Detail 6G



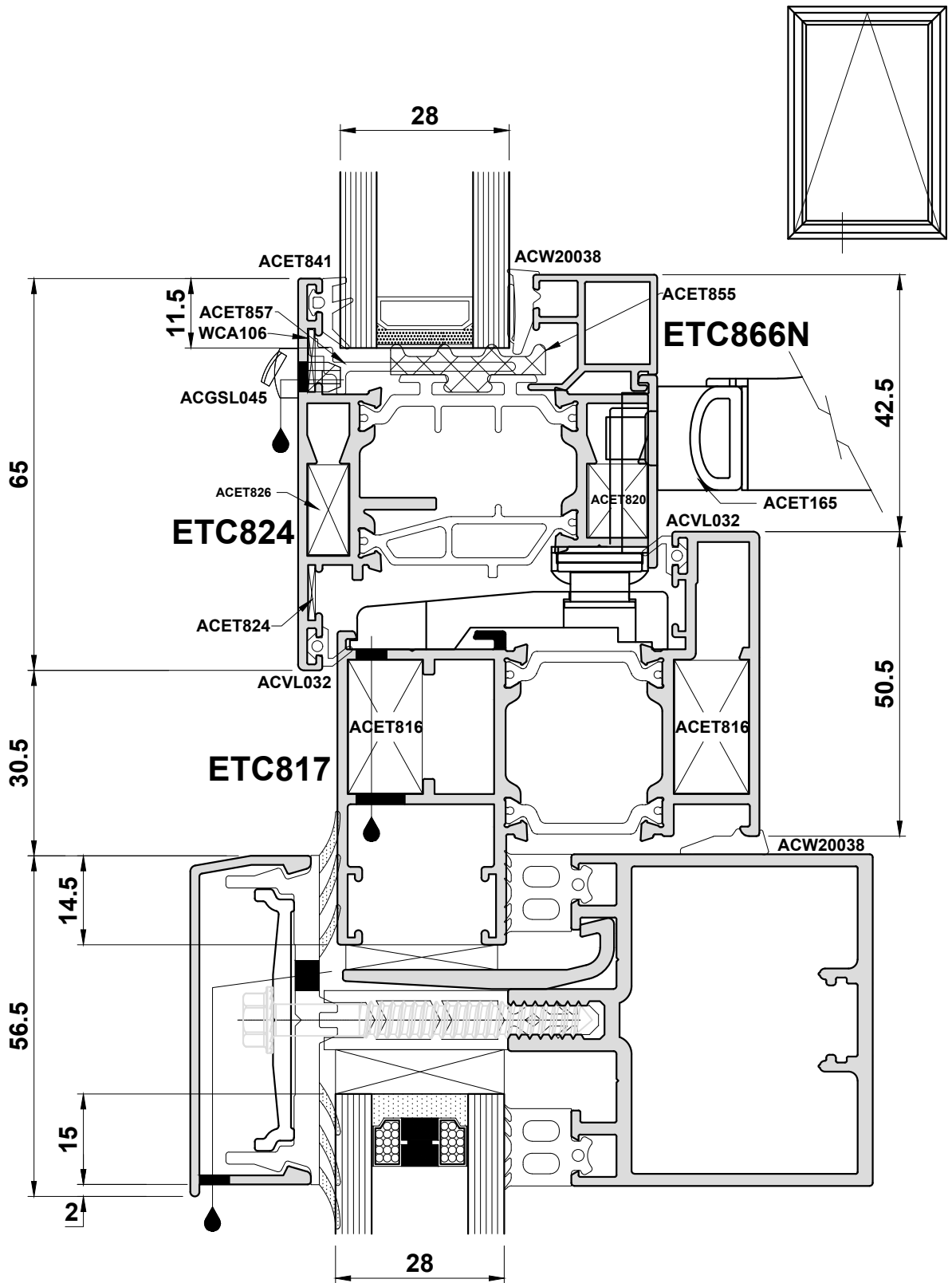
Do Not Scale From This Drawing

Detail 6H



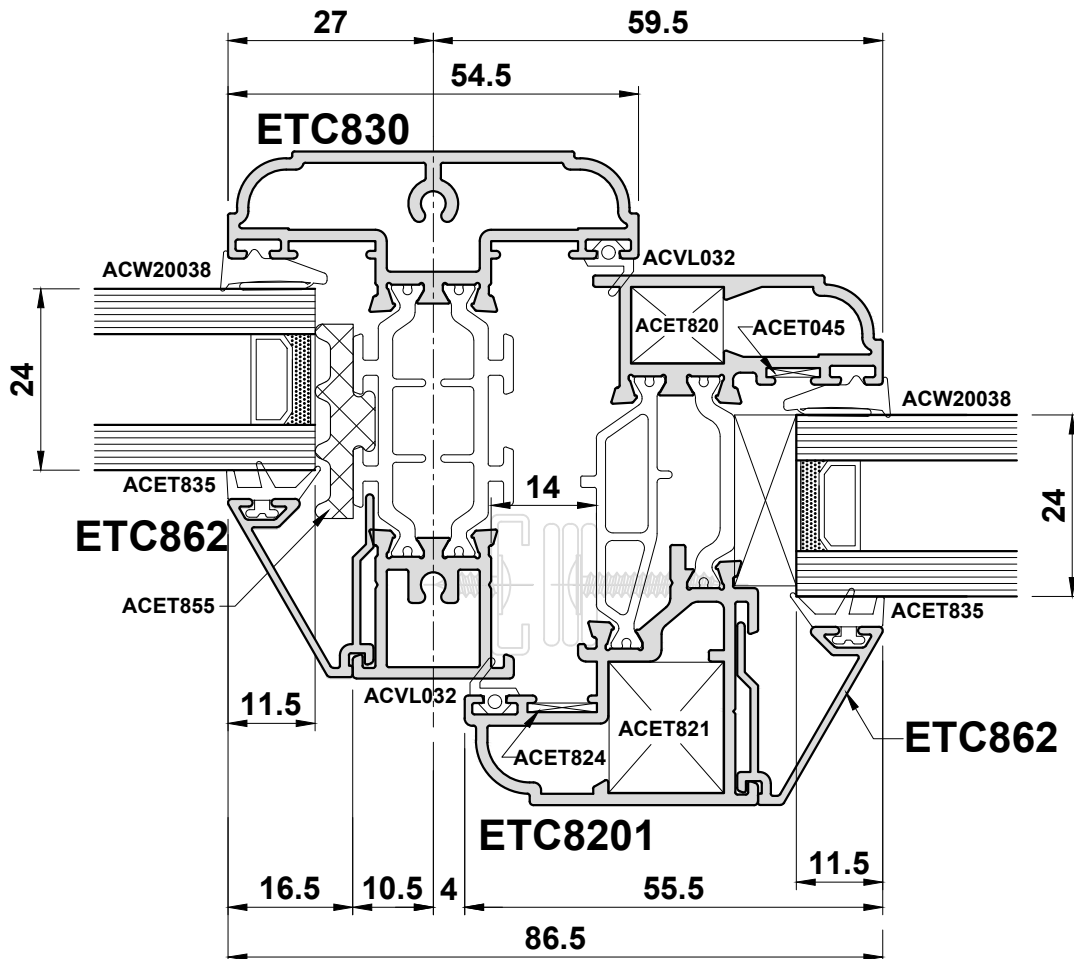
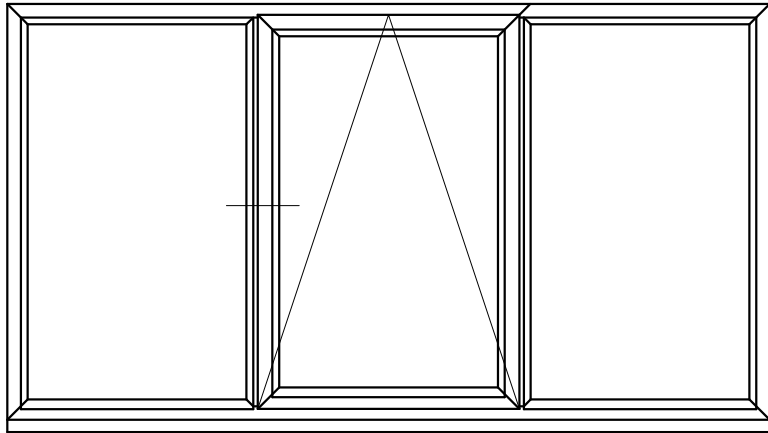
Do Not Scale From This Drawing

Detail 6I



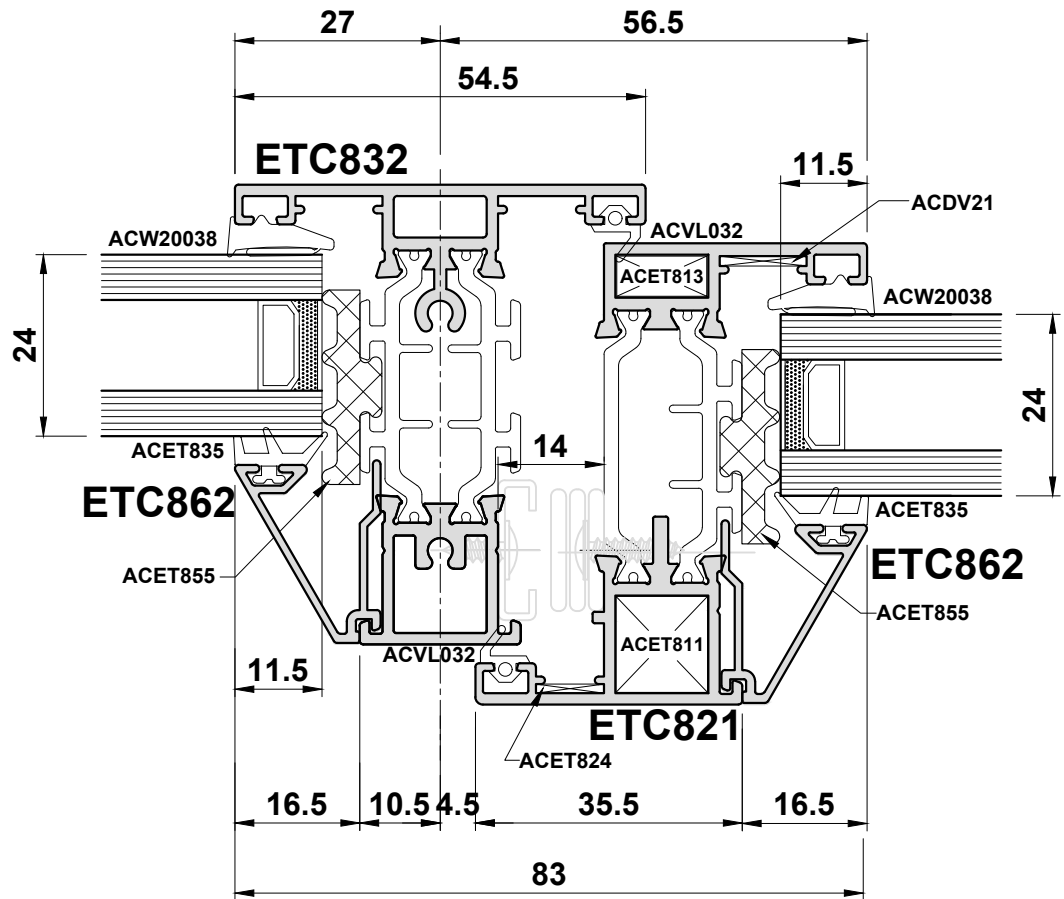
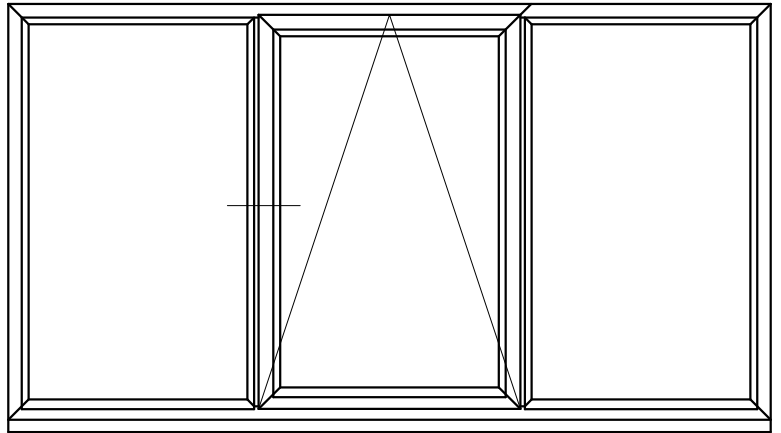
Do Not Scale From This Drawing

Detail 7A



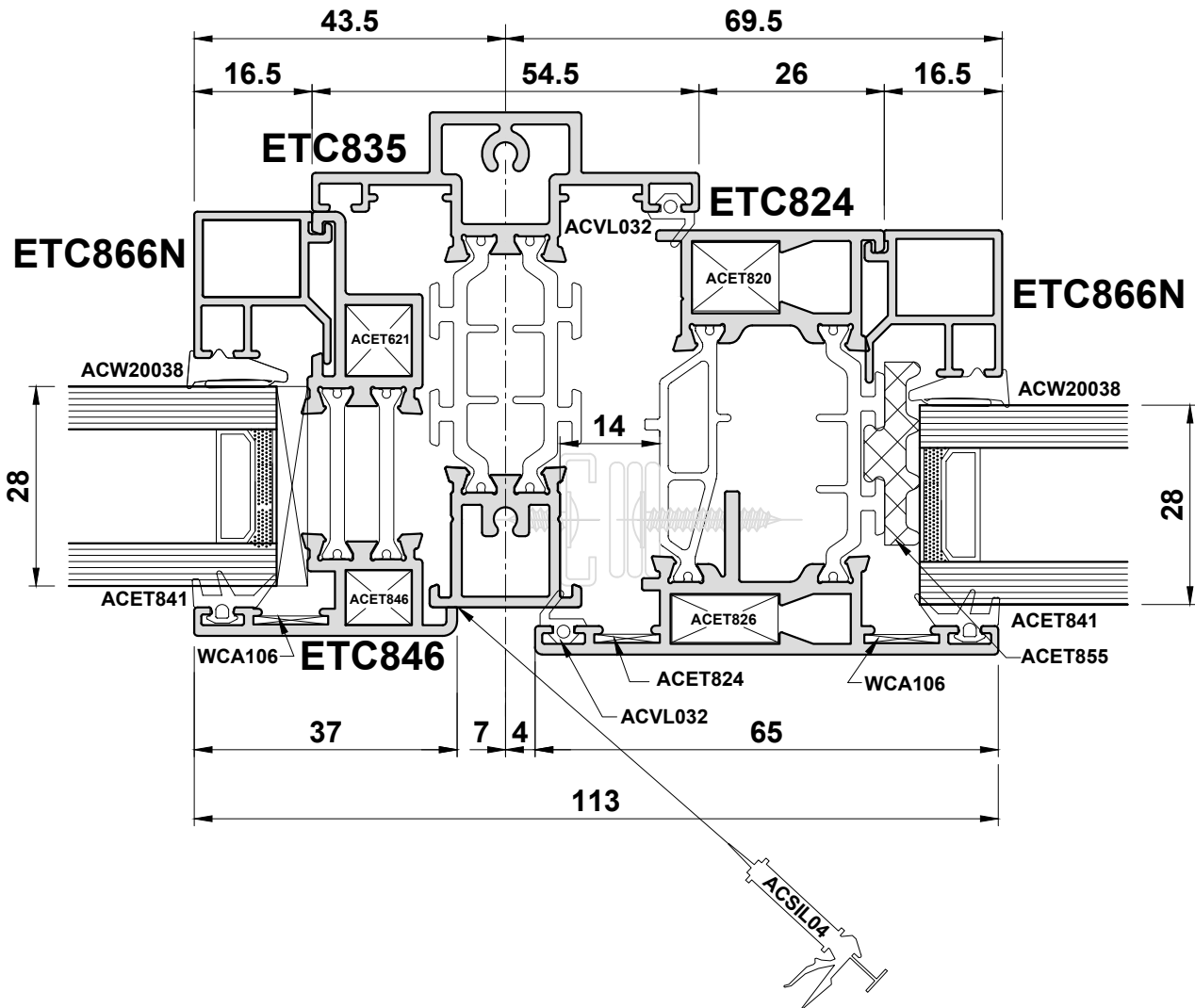
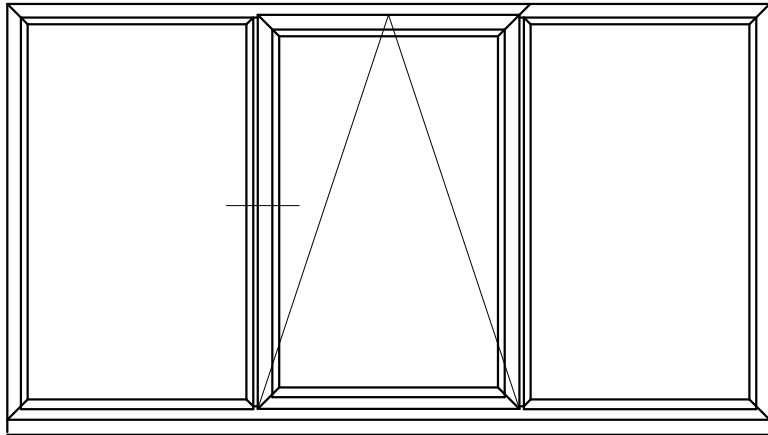
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Detail 7B



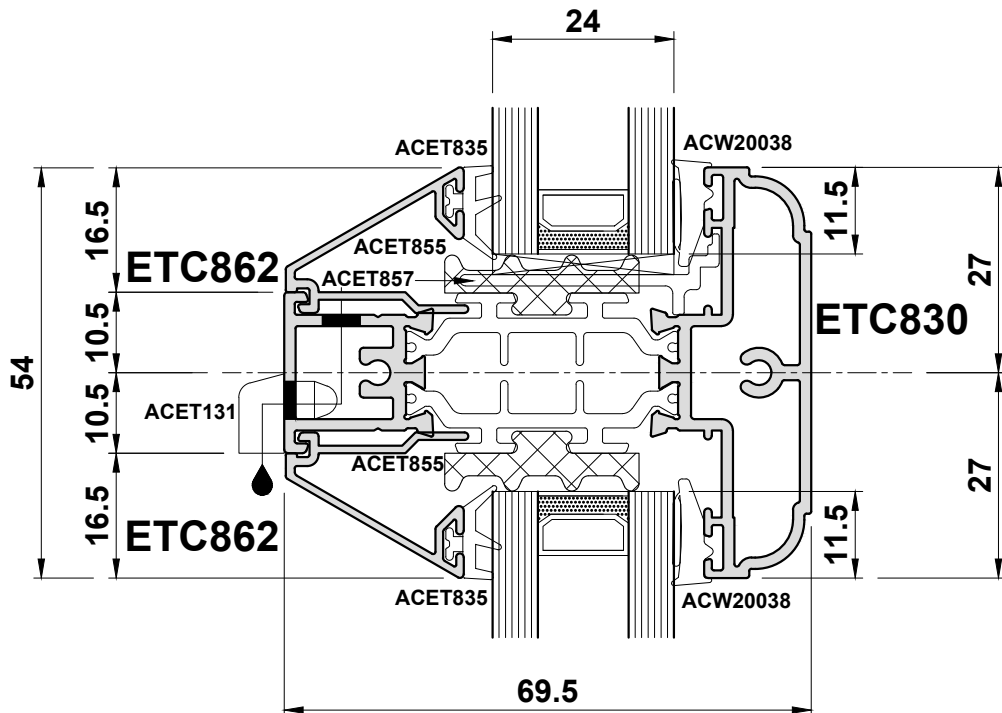
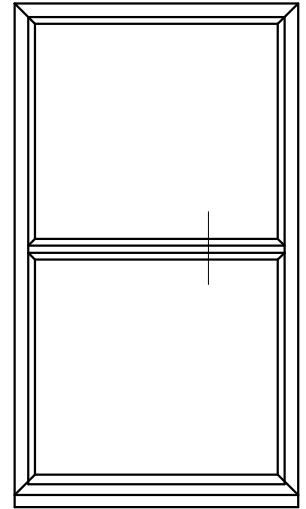
Do Not Scale From This Drawing

Detail 7C



Do Not Scale From This Drawing

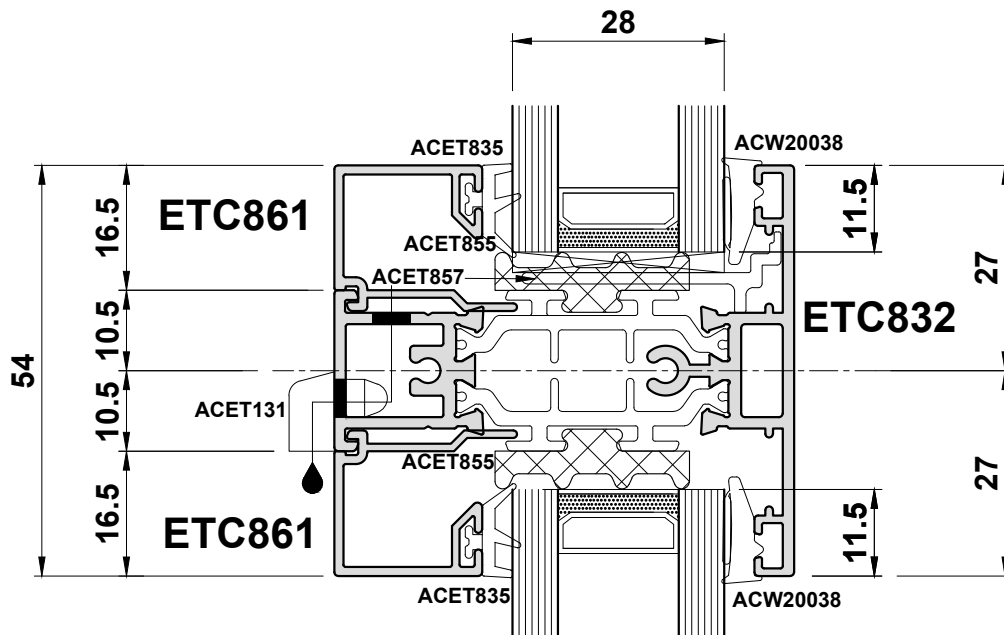
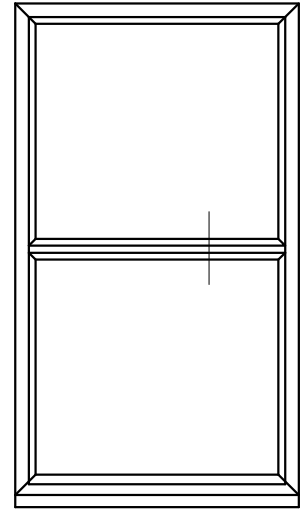
Detail 8A



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

Do Not Scale From This Drawing

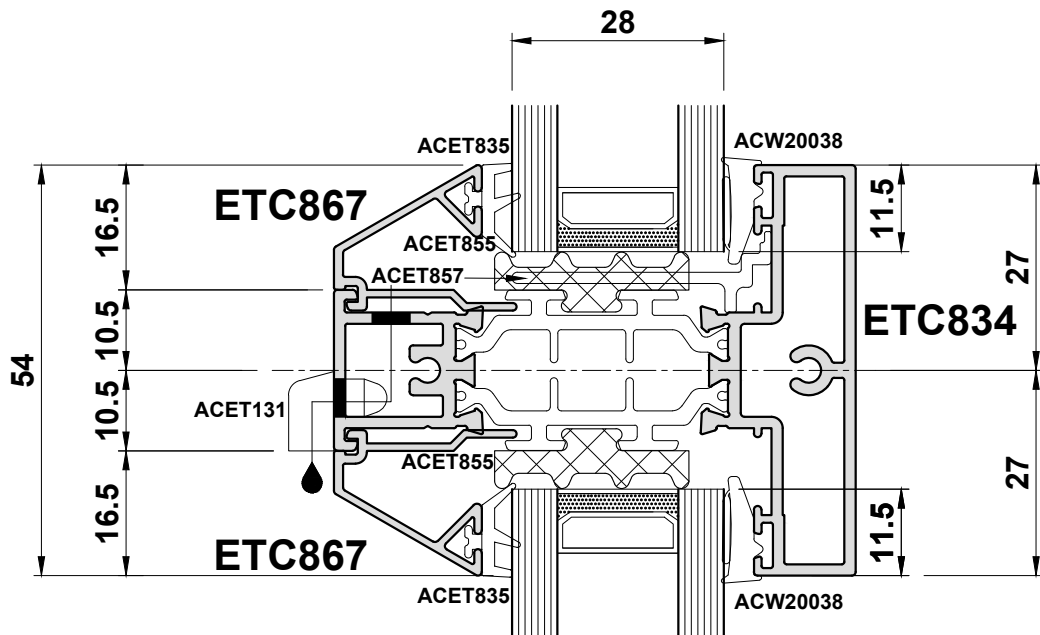
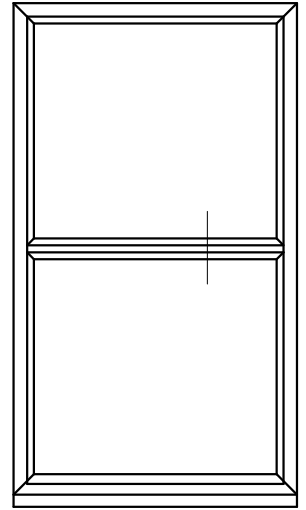
Detail 8B



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

Do Not Scale From This Drawing

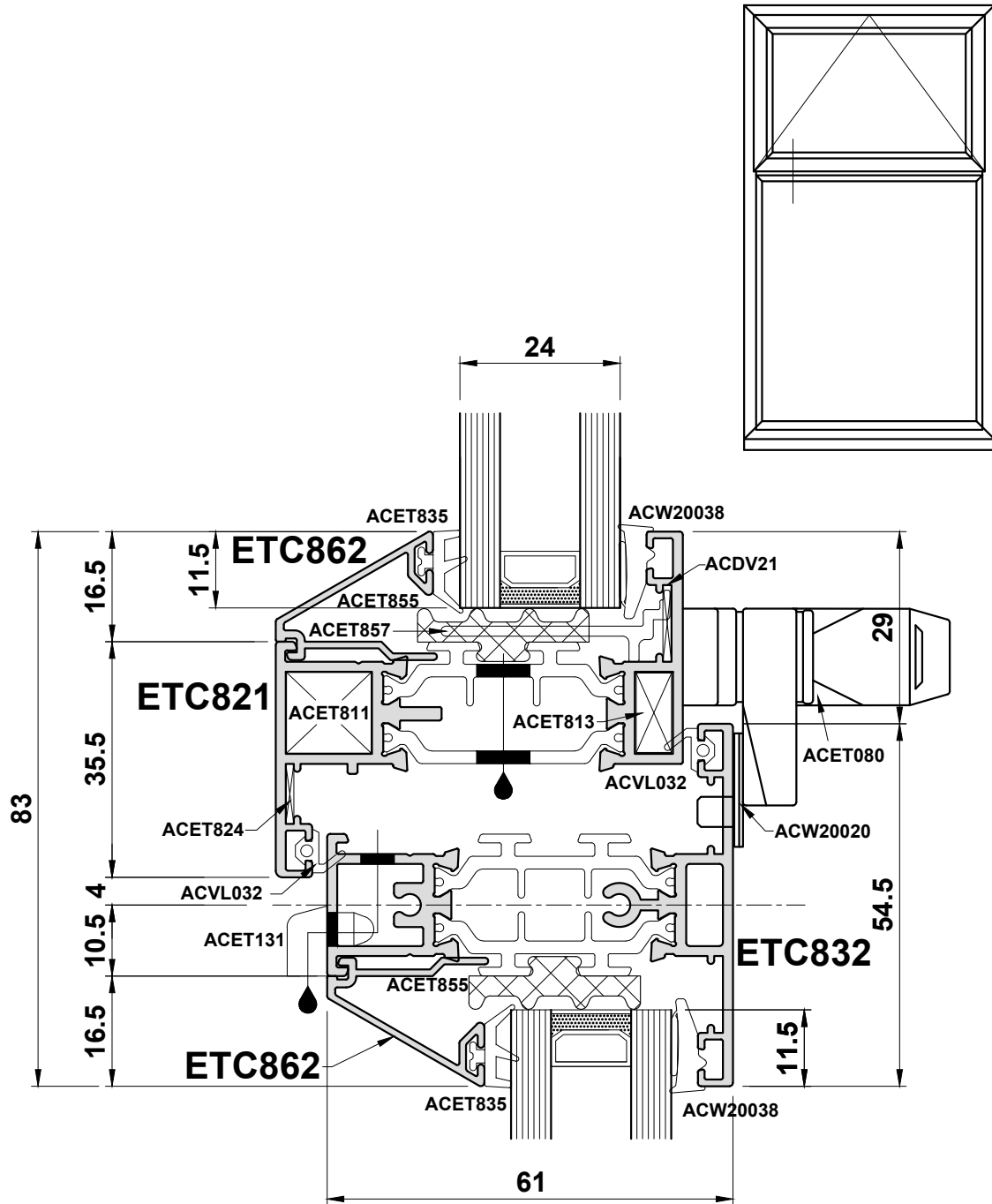
Detail 8C



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

Do Not Scale From This Drawing

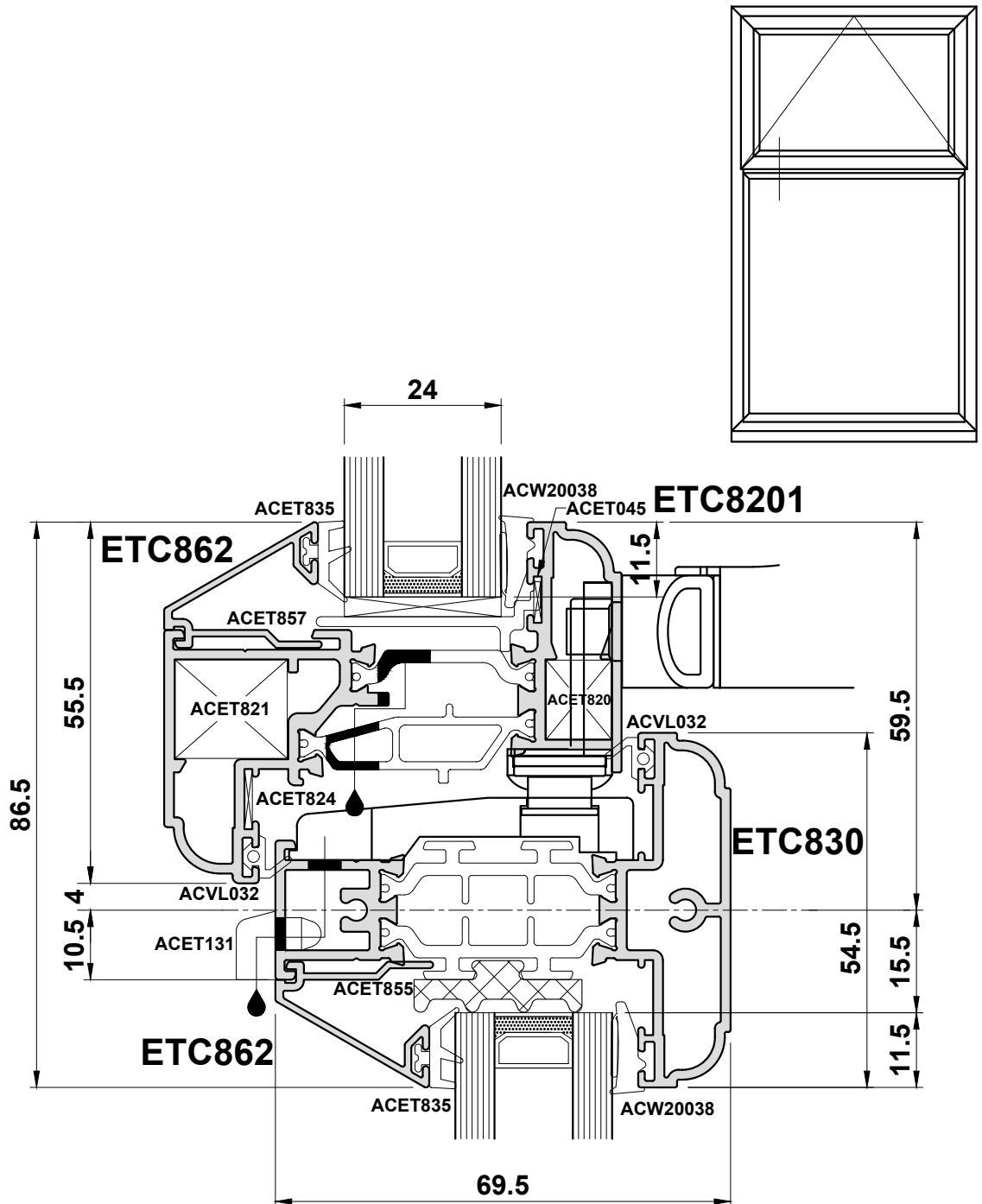
Detail 9A



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

Do Not Scale From This Drawing

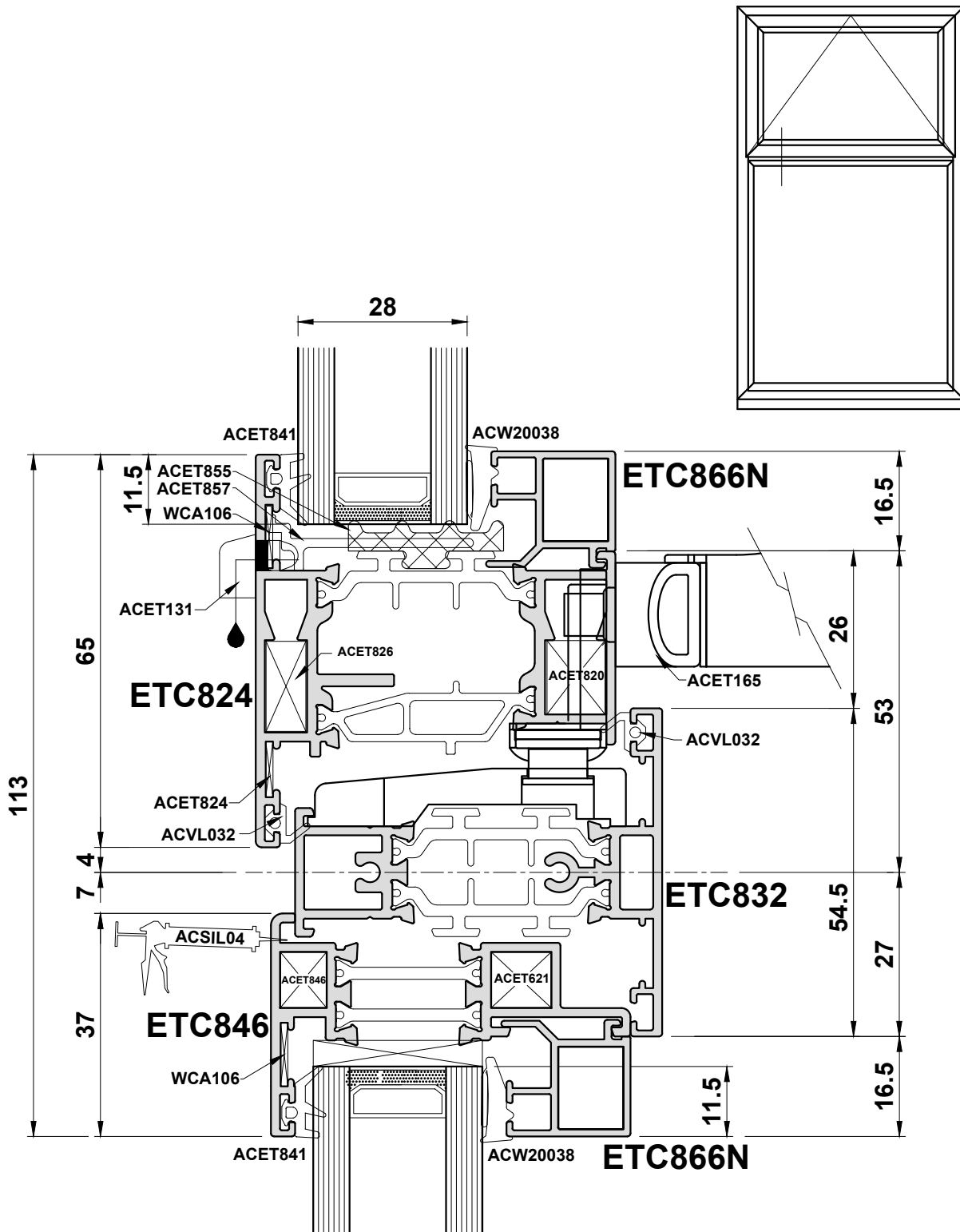
Detail 9B



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

Do Not Scale From This Drawing

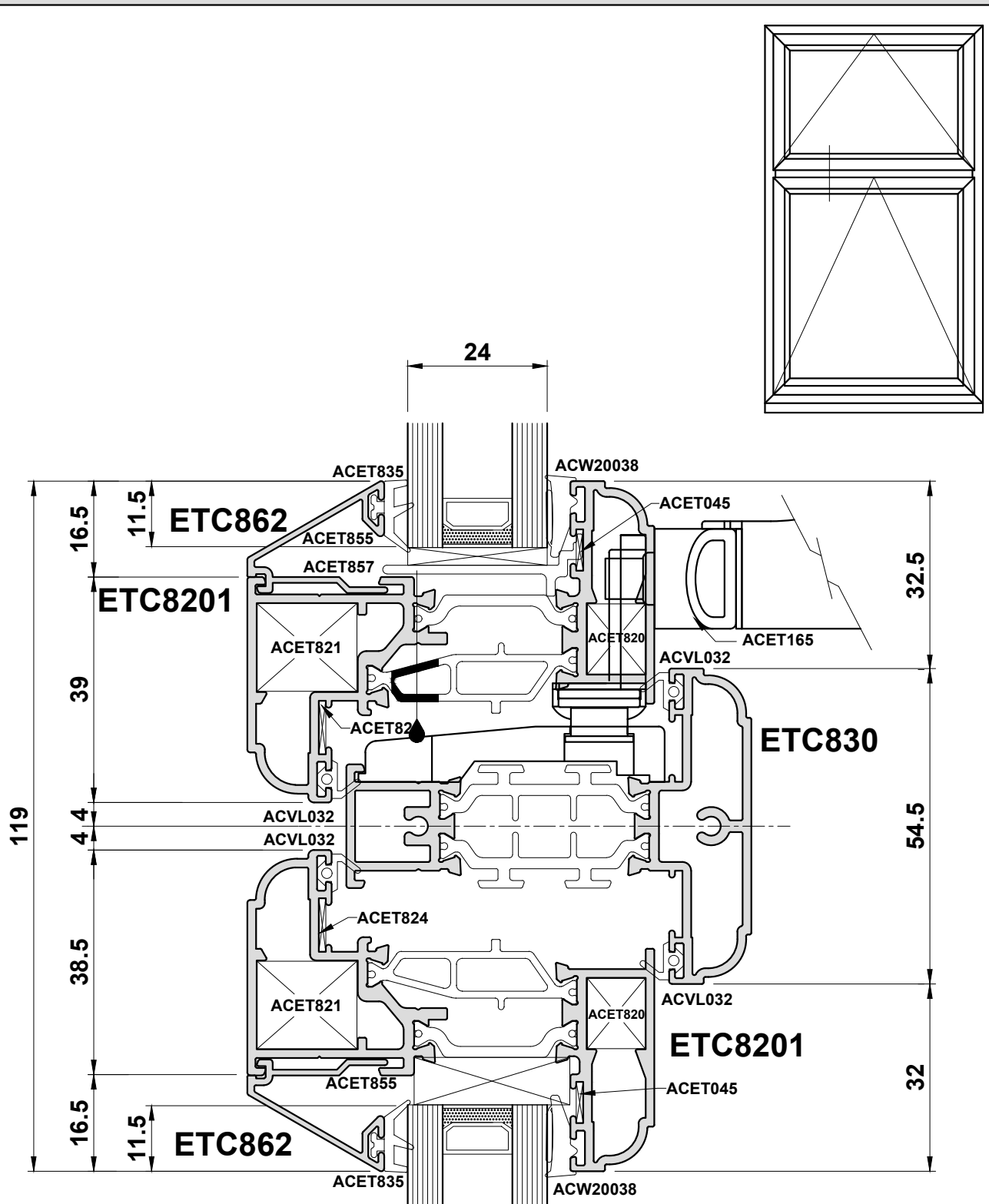
Detail 9C



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

Do Not Scale From This Drawing

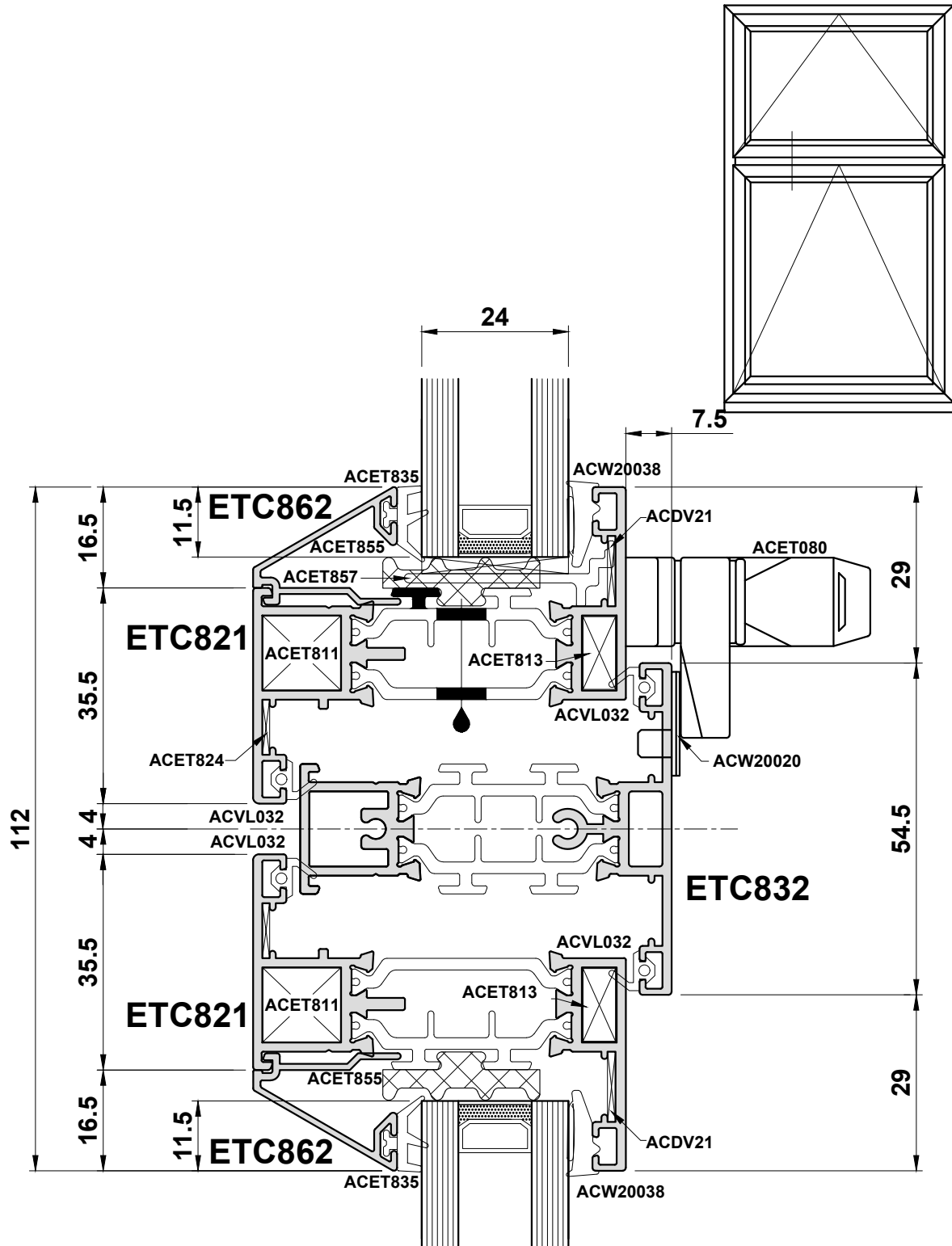
Detail 9D



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

Do Not Scale From This Drawing

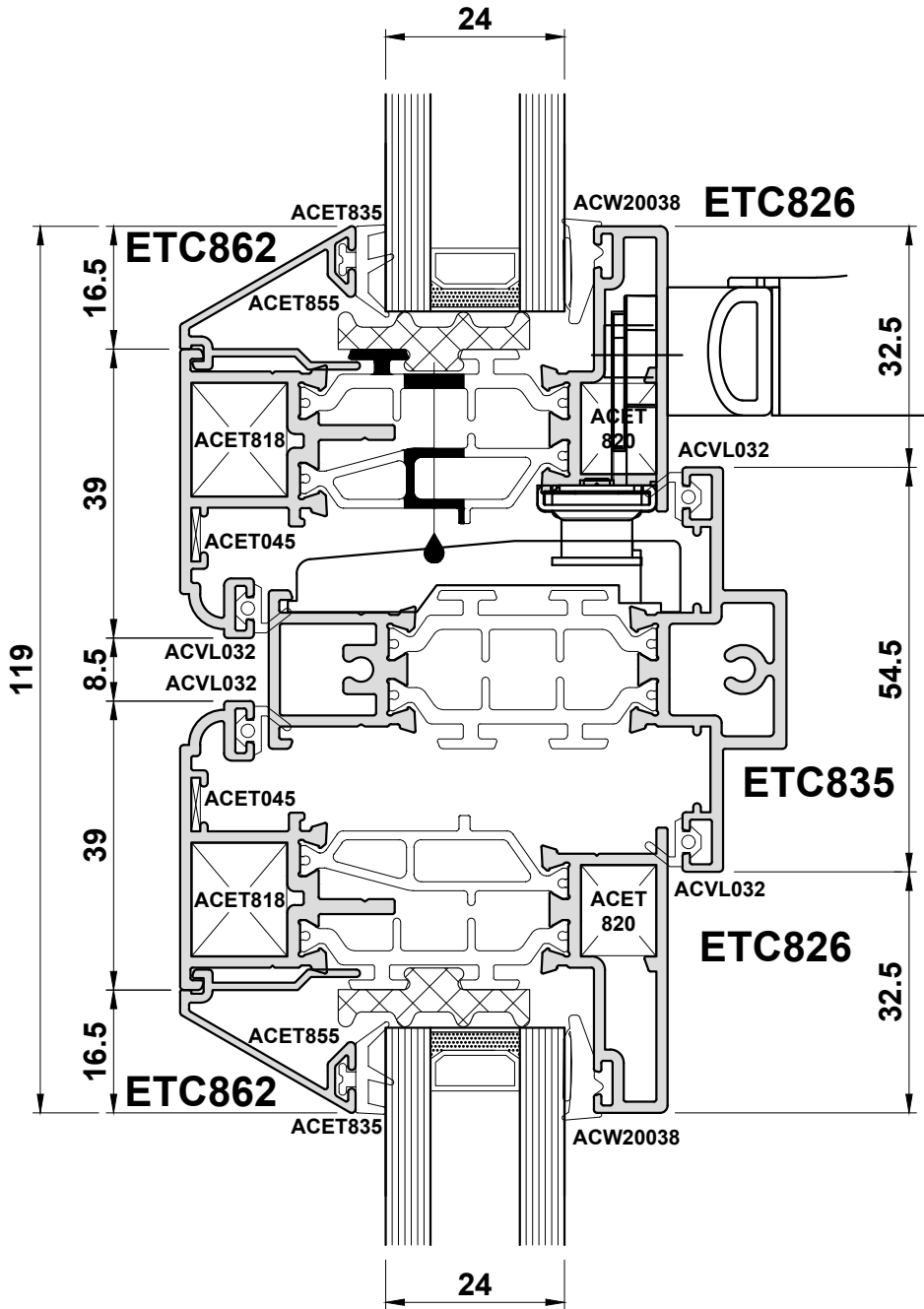
Detail 10A



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

Do Not Scale From This Drawing

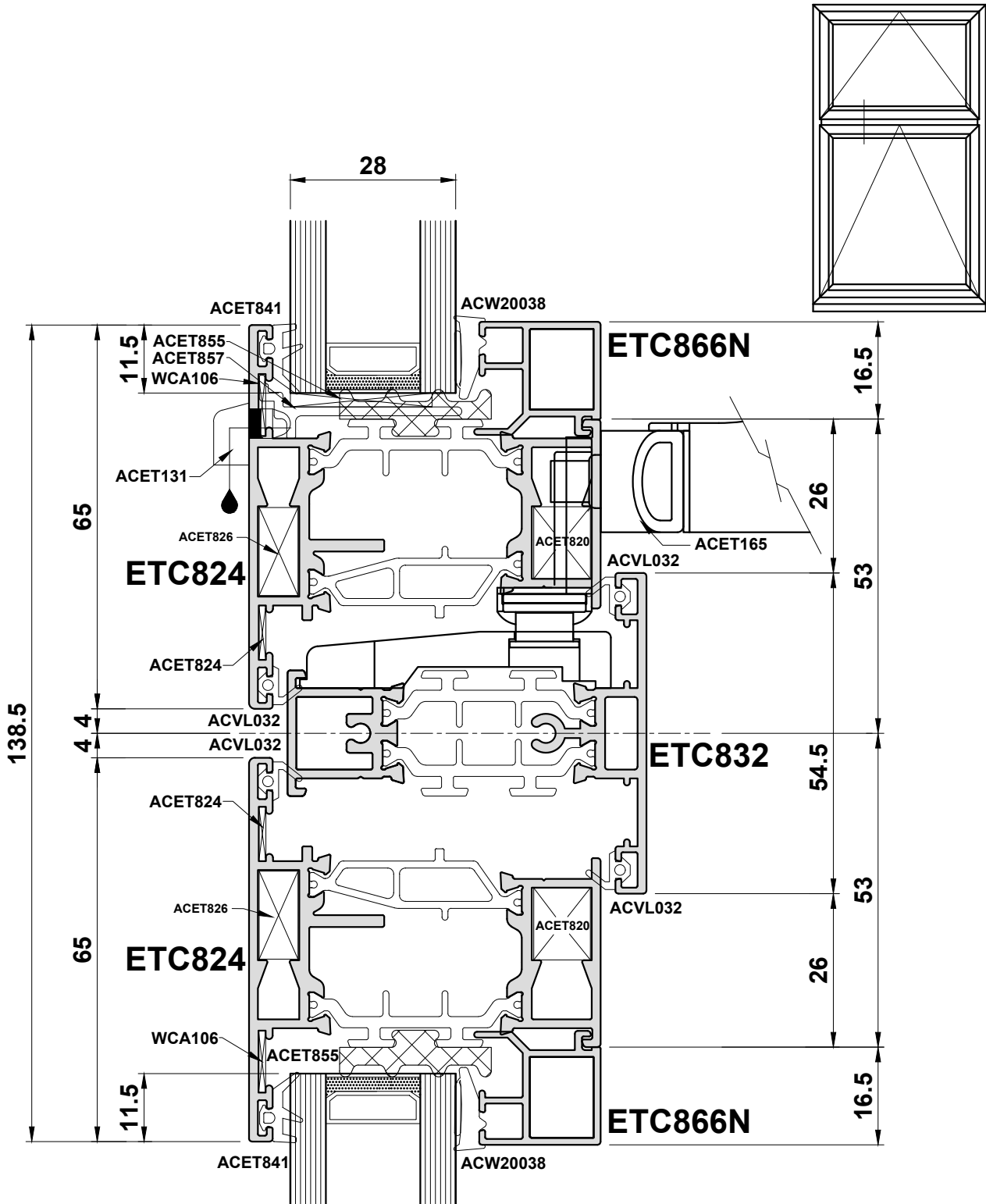
Detail 10B



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

Do Not Scale From This Drawing

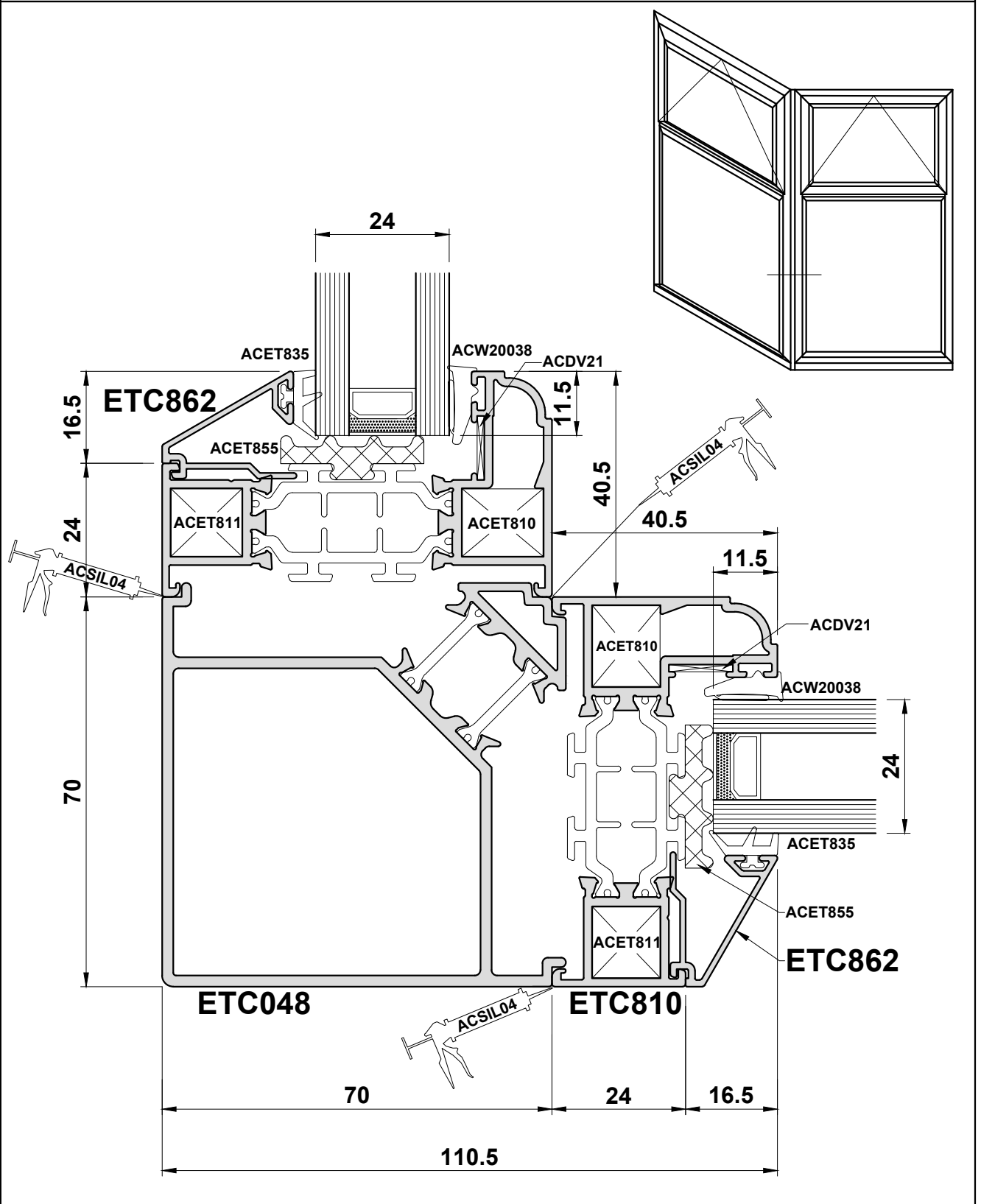
Detail 10C



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

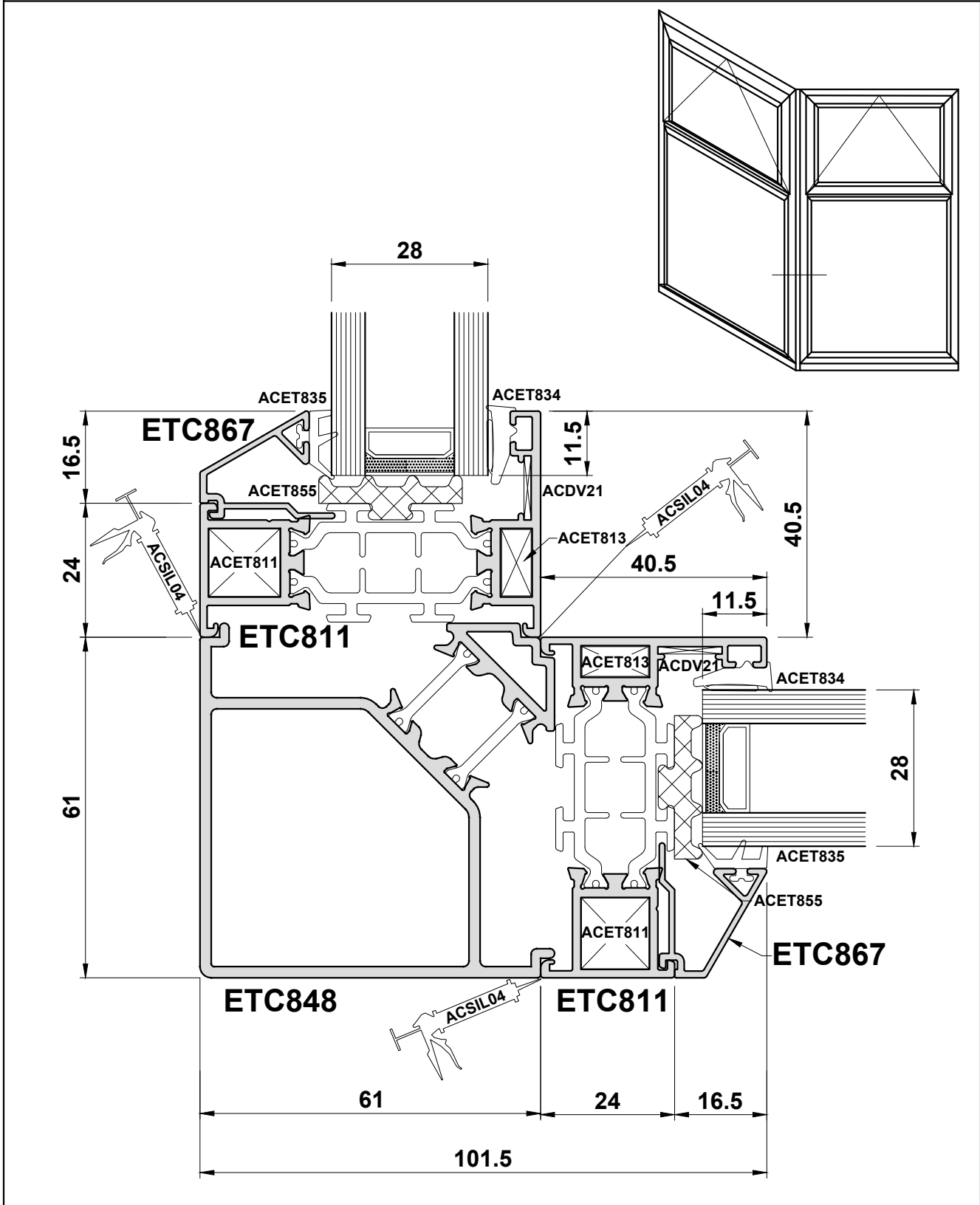
Do Not Scale From This Drawing

Detail 11A



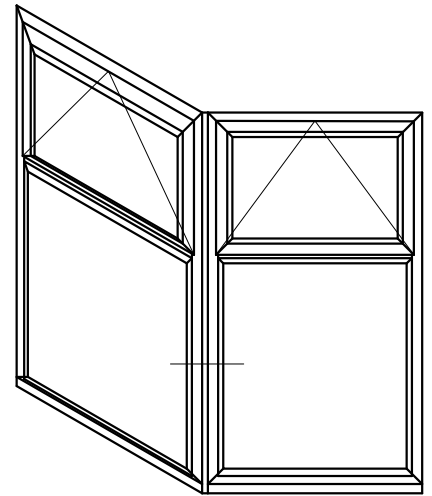
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Detail 11B

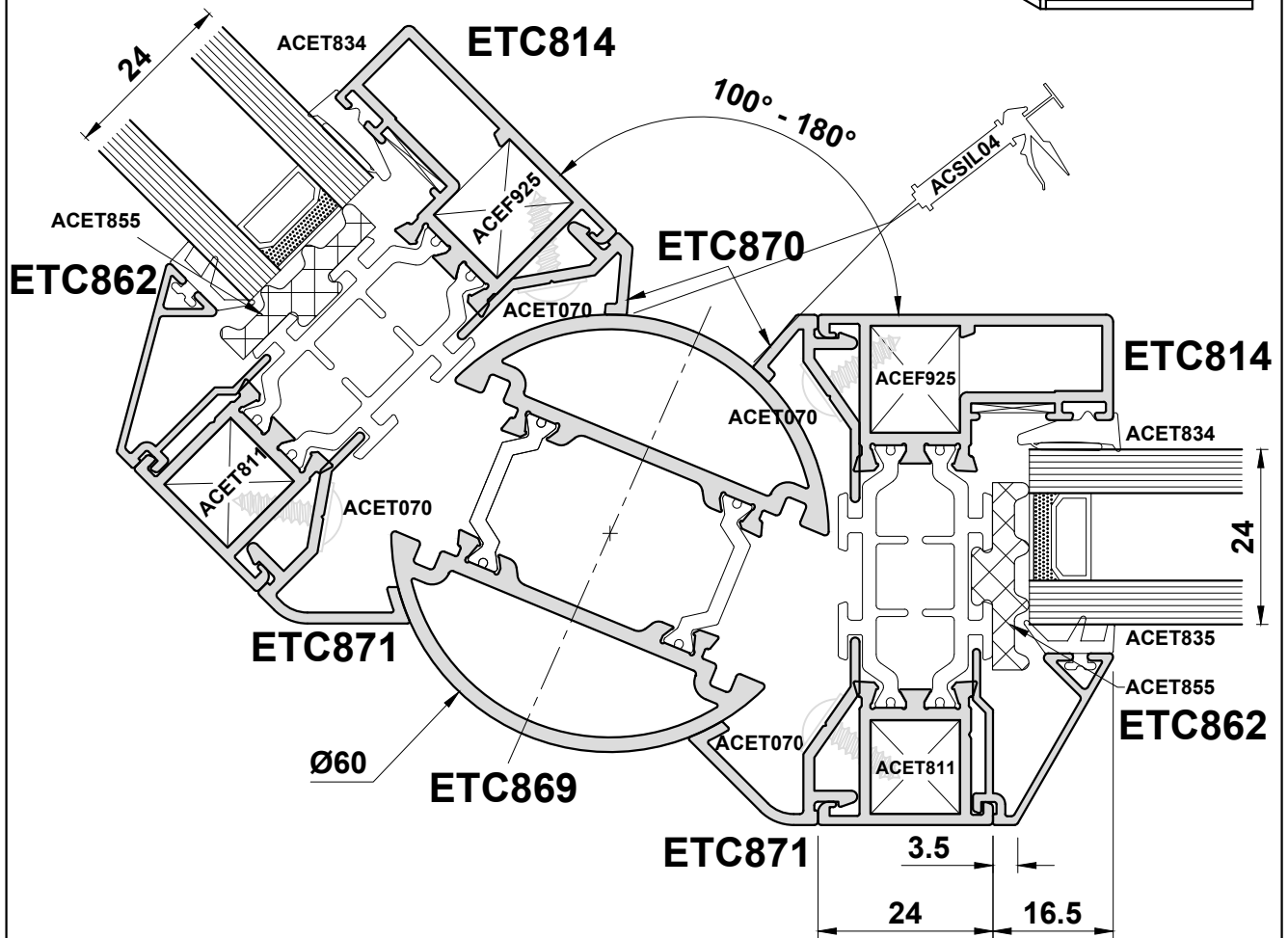


Do Not Scale From This Drawing

Detail 11C



See page E12 for angles & deductions

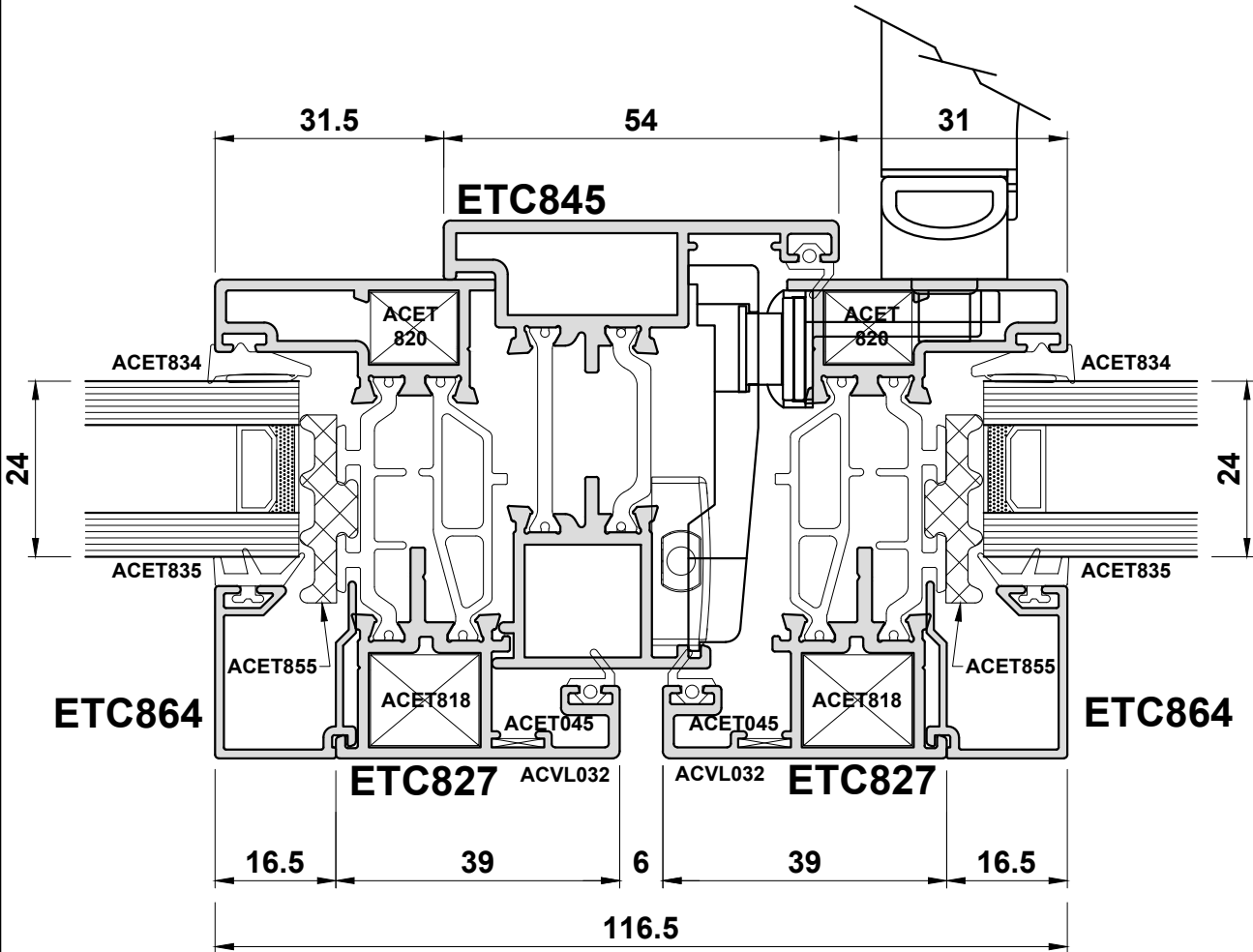
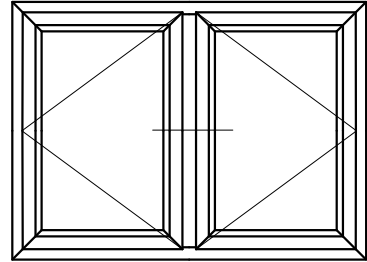


Note:

ETC870 & ETC871 are compatible with ETC810, ETC814 and ETC815 only.

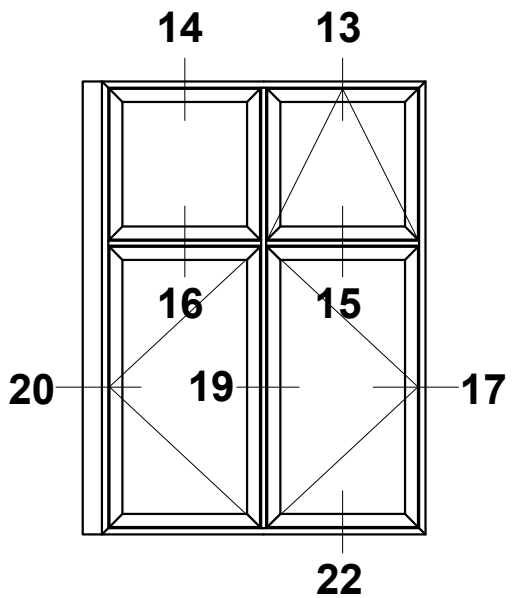
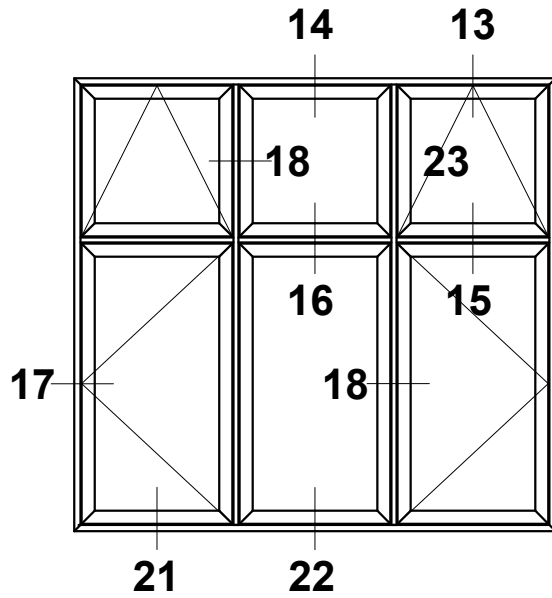
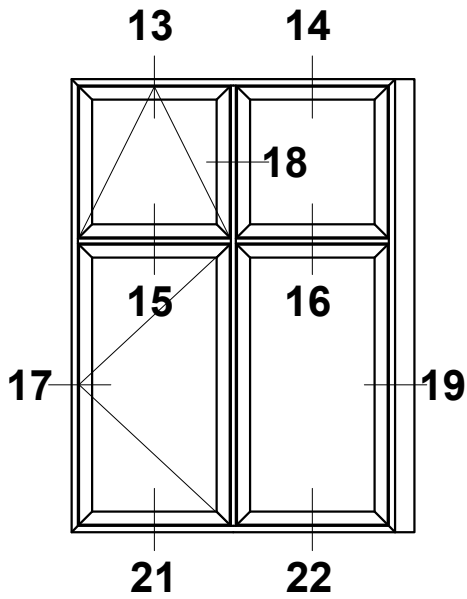
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Detail 12



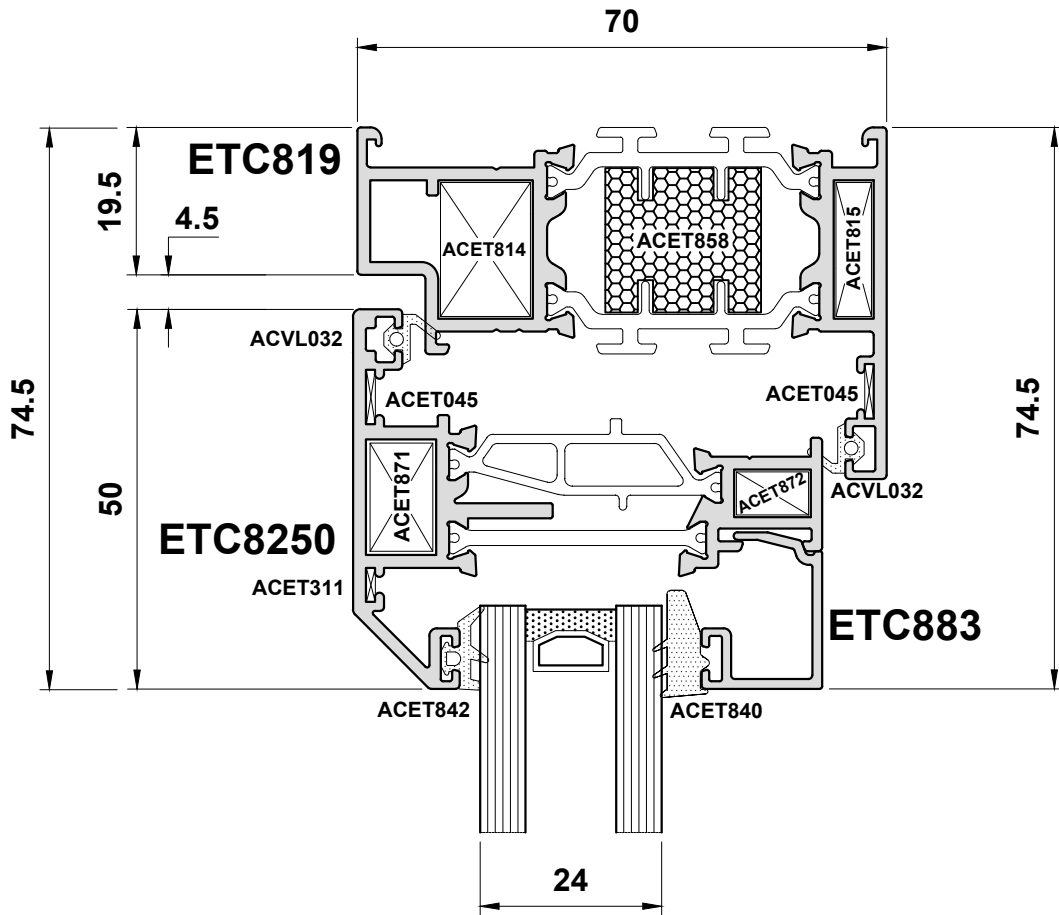
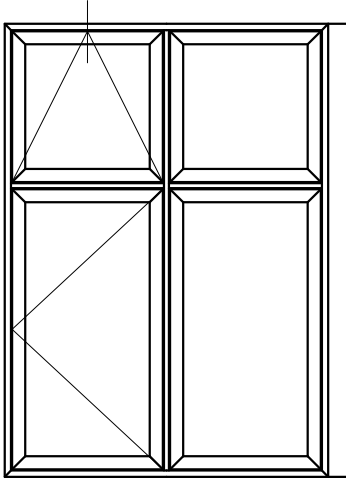
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Scale Elevations

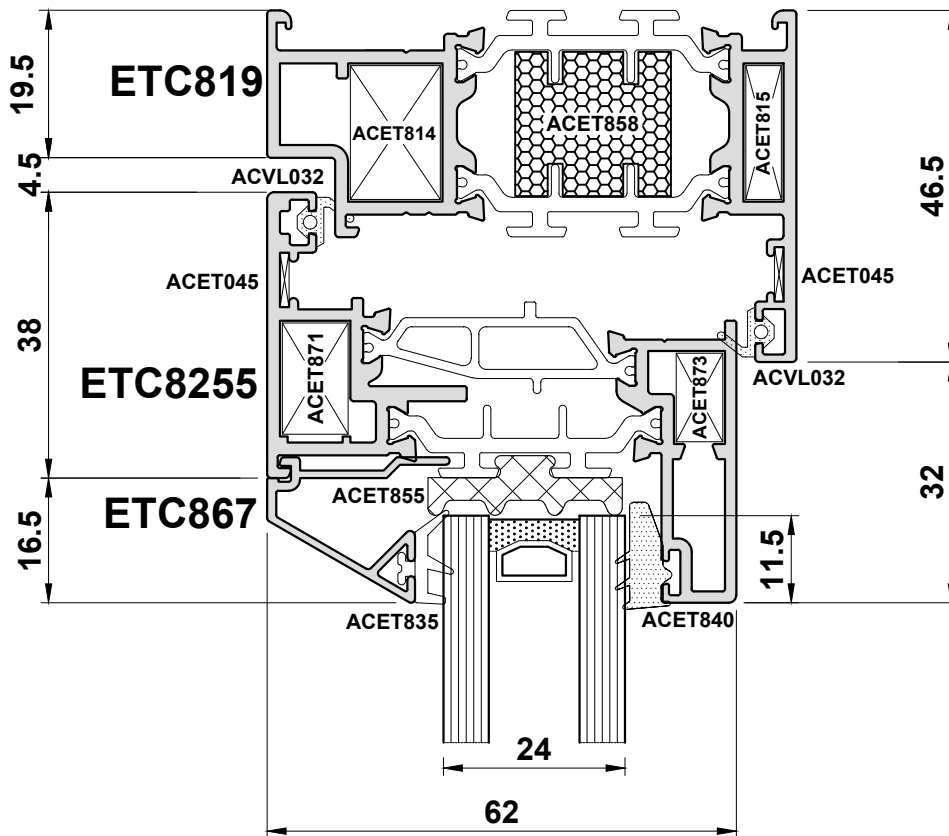
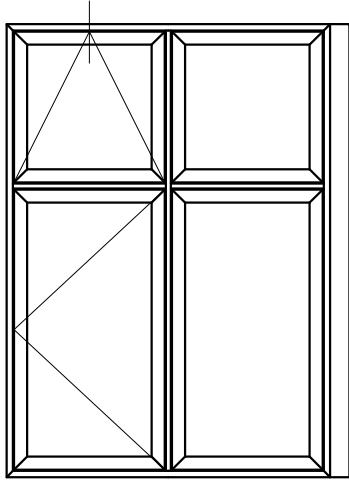


Do Not Scale From This Drawing

Detail 13

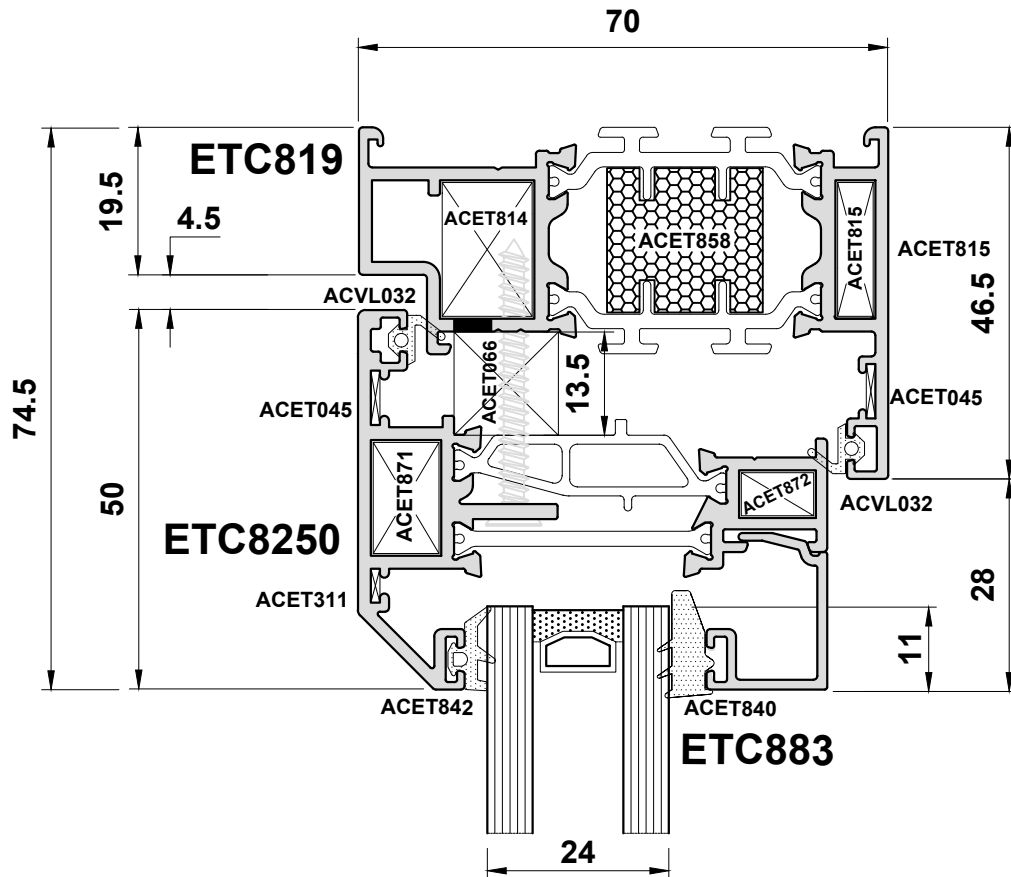
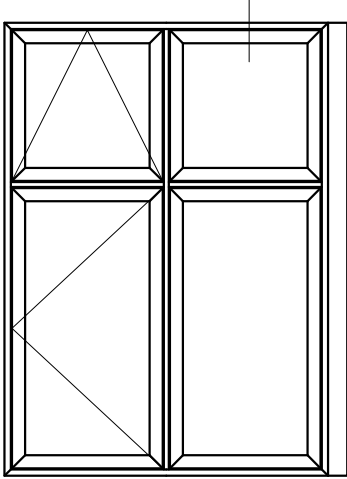


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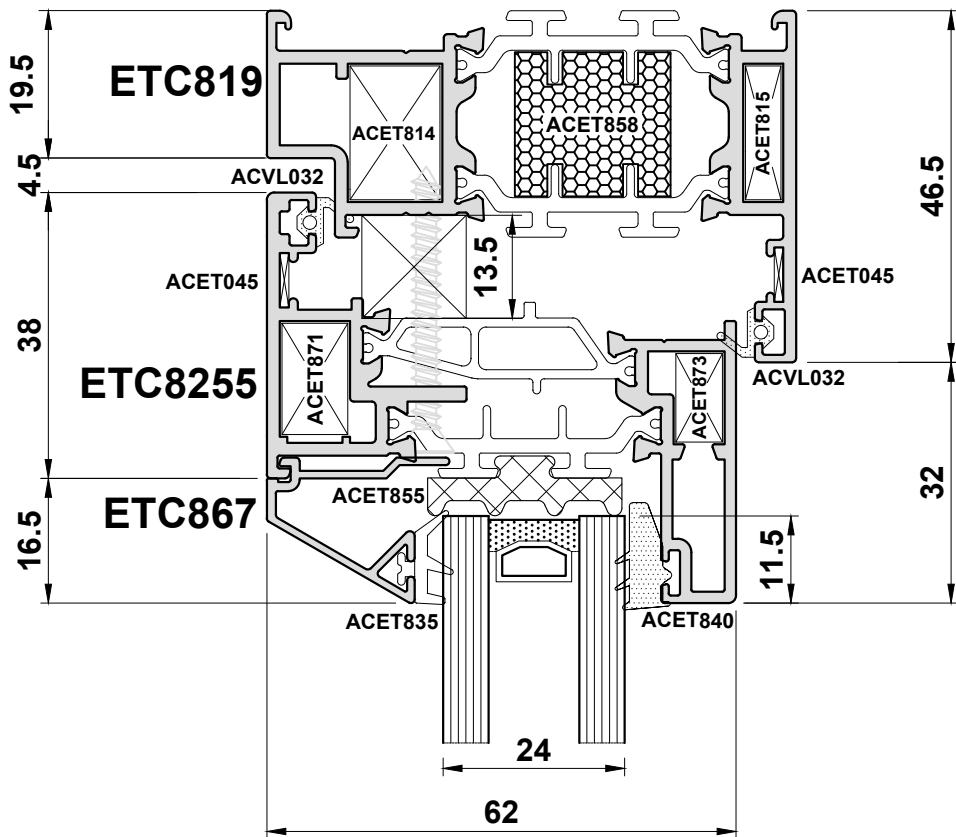
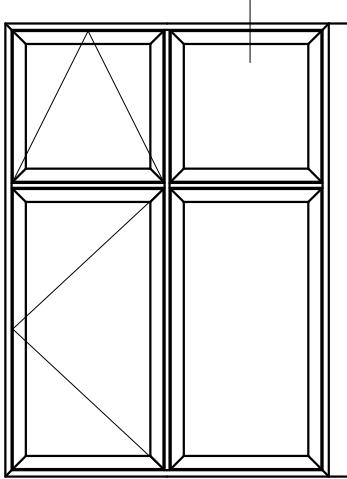
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Detail 14A



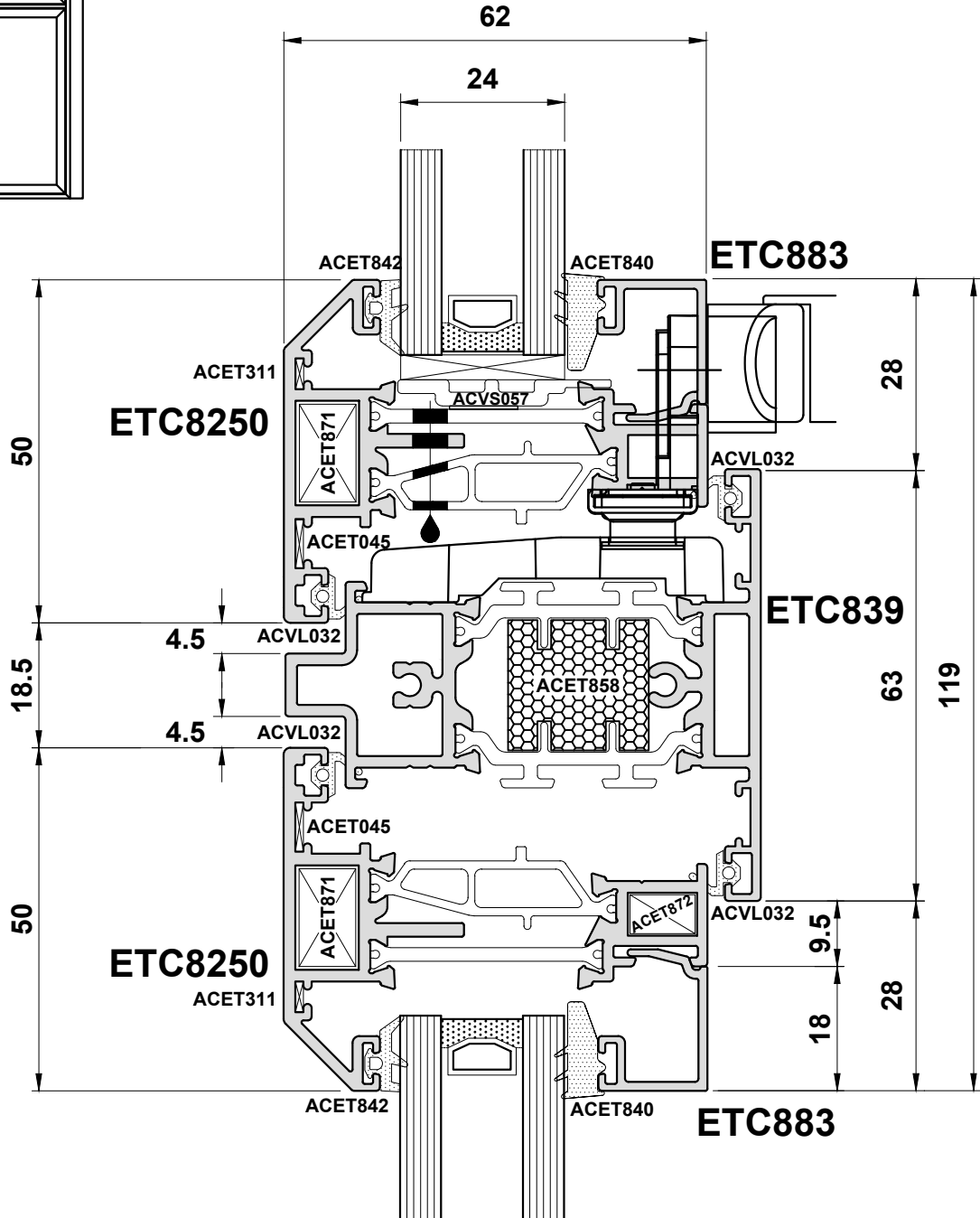
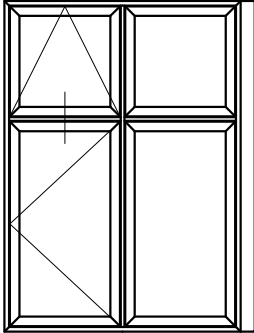
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Detail 14B



Do Not Scale From This Drawing

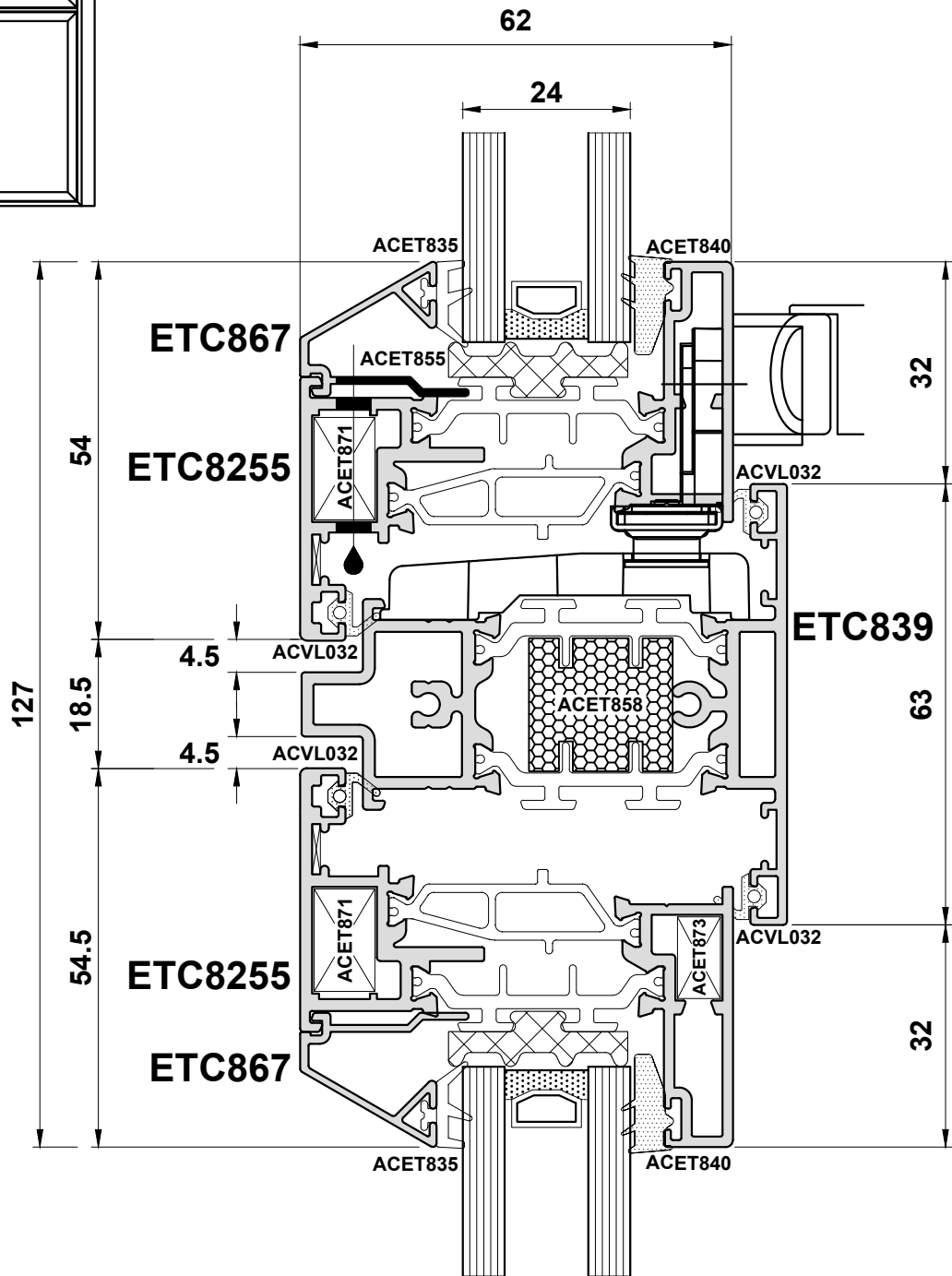
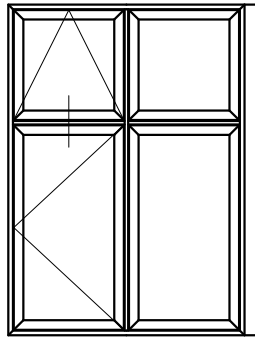
Detail 15A



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

Do Not Scale From This Drawing

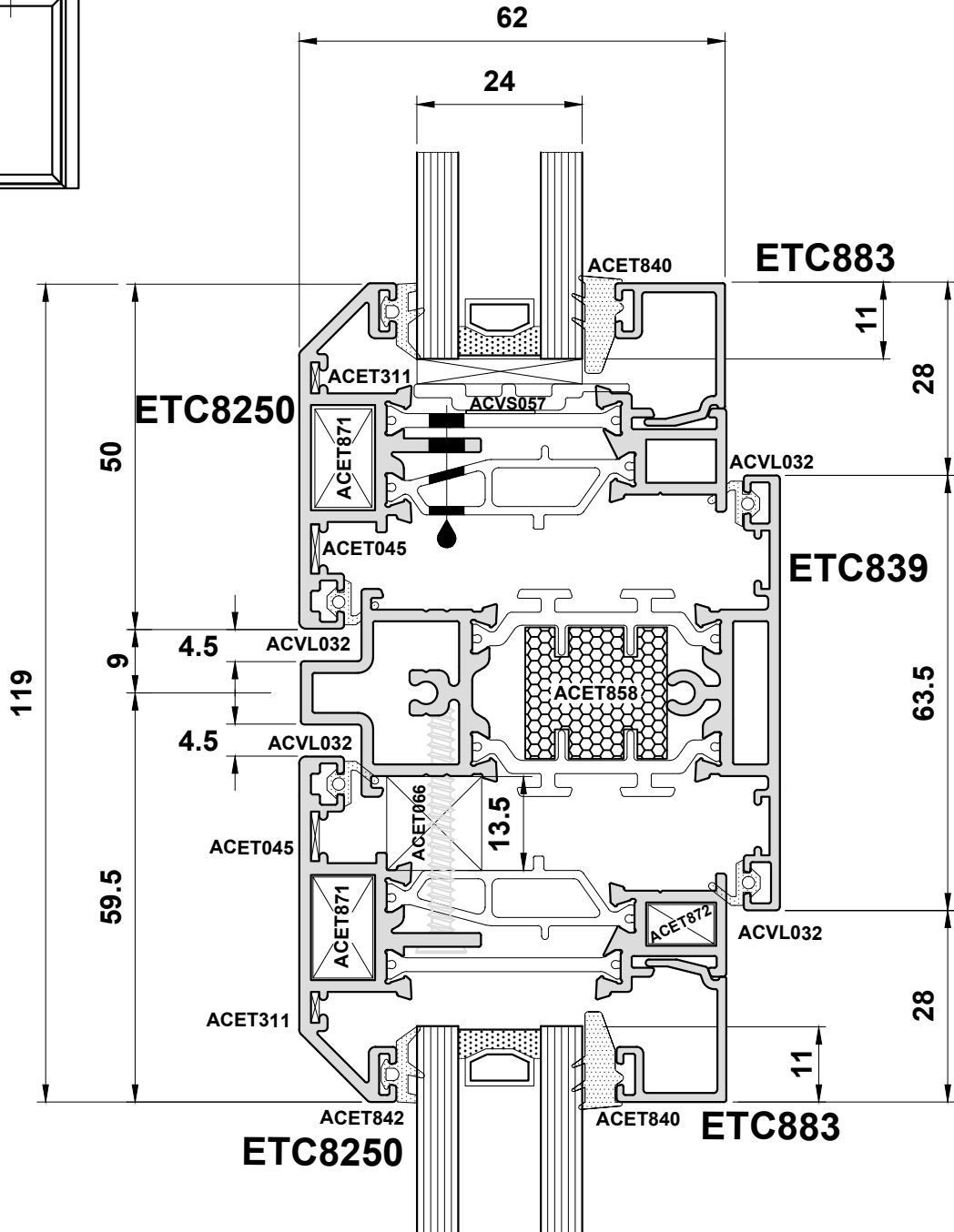
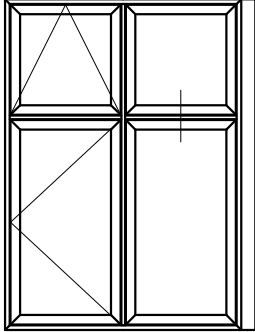
Detail 15B



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

Do Not Scale From This Drawing

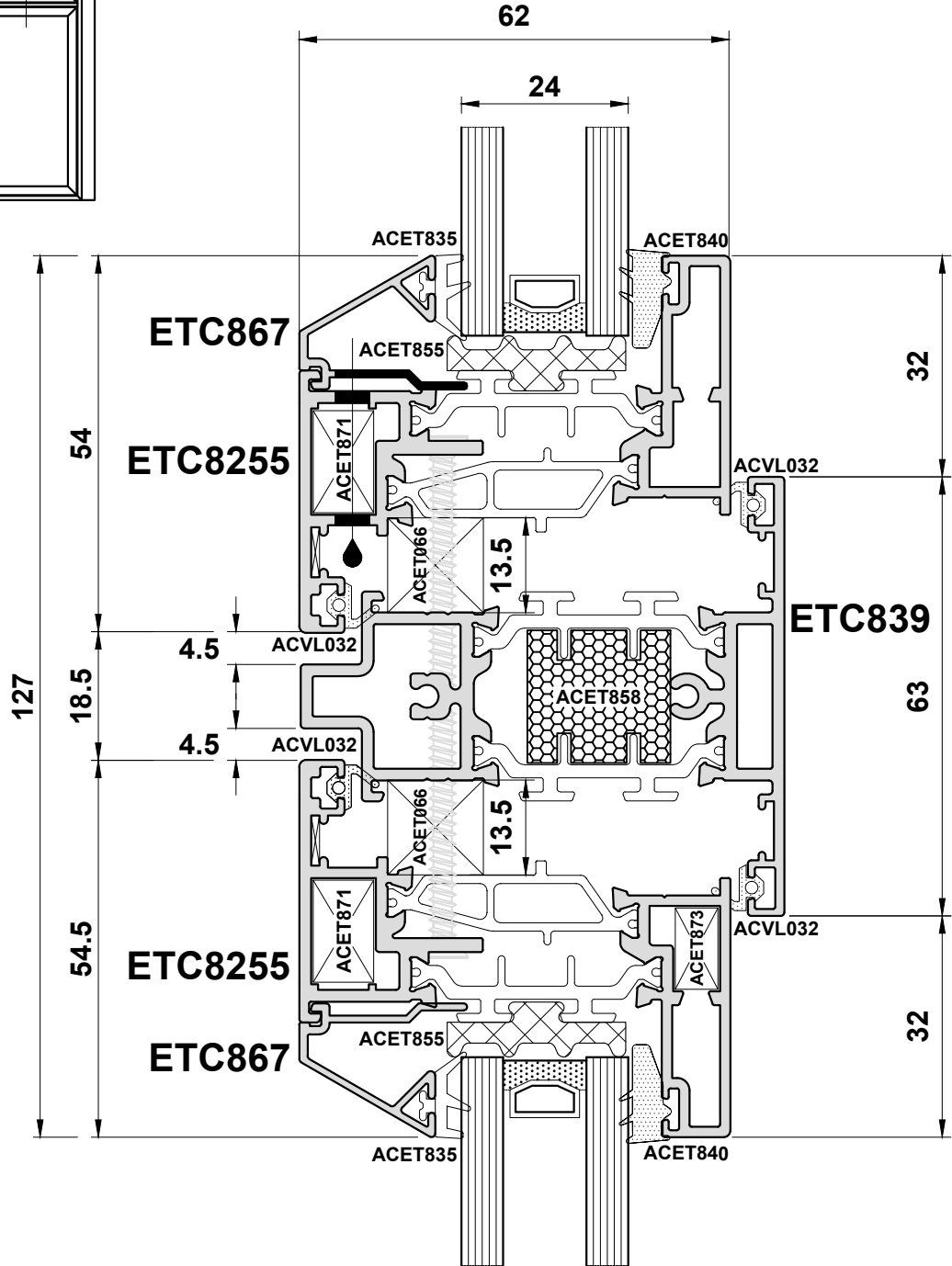
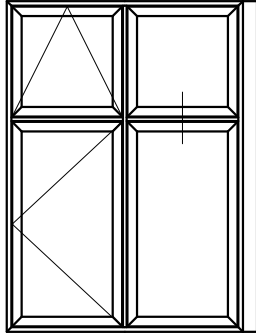
Detail 16A



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

Do Not Scale From This Drawing

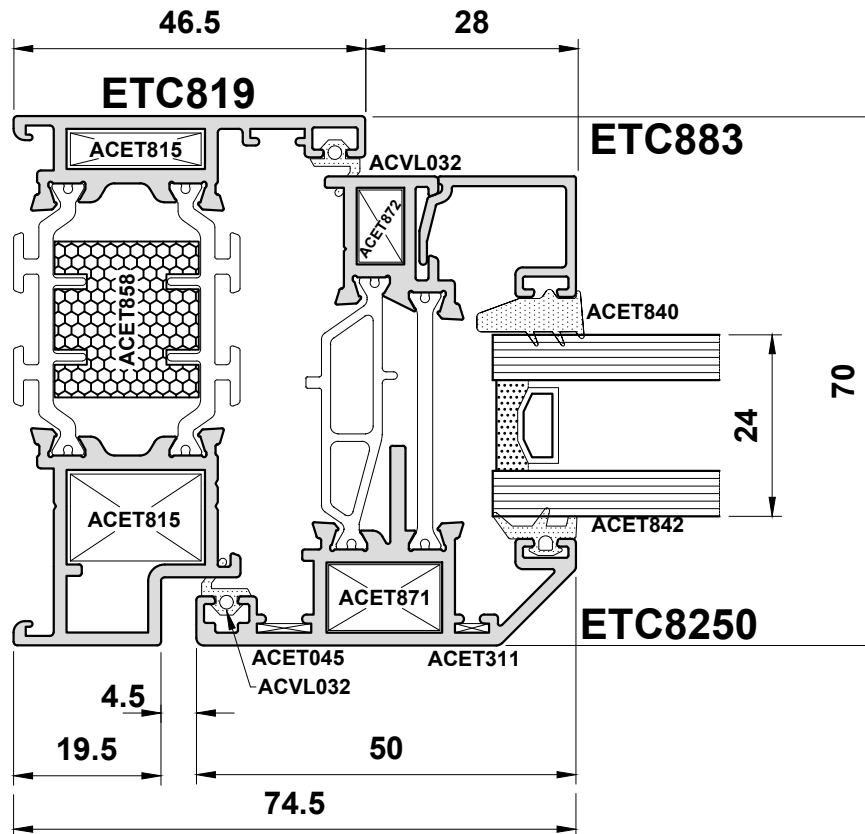
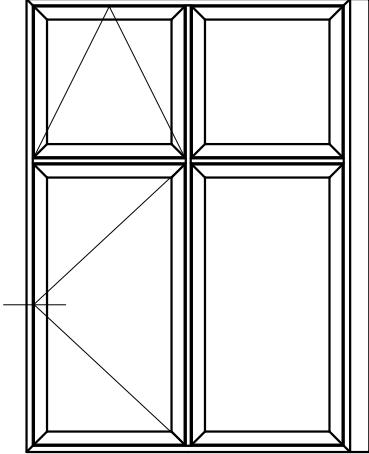
Detail 16B



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

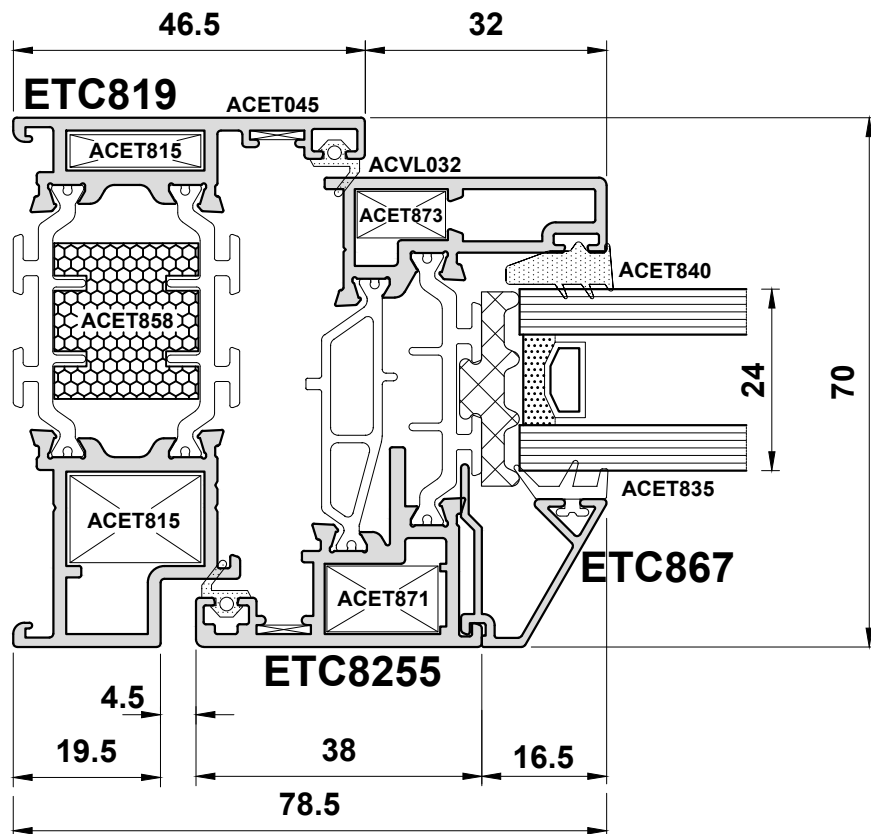
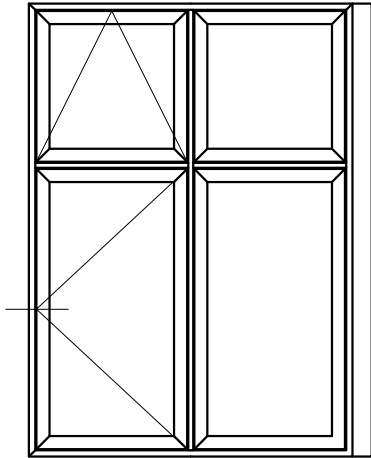
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Detail 17A



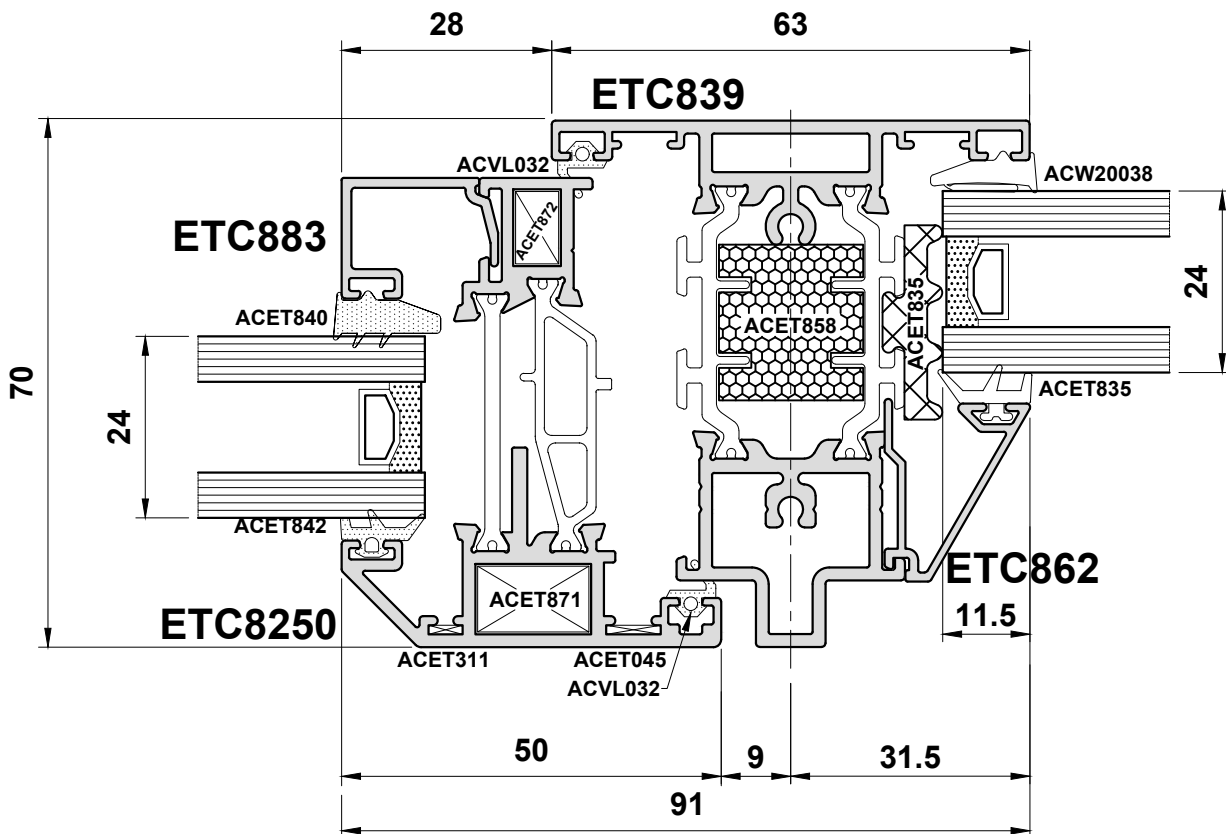
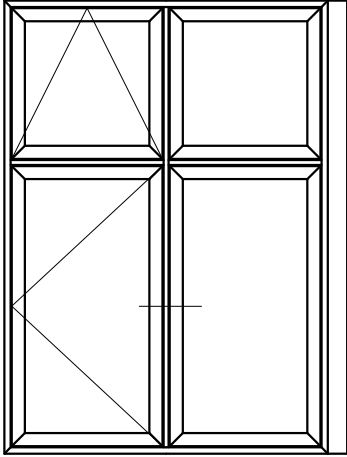
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Detail 17B



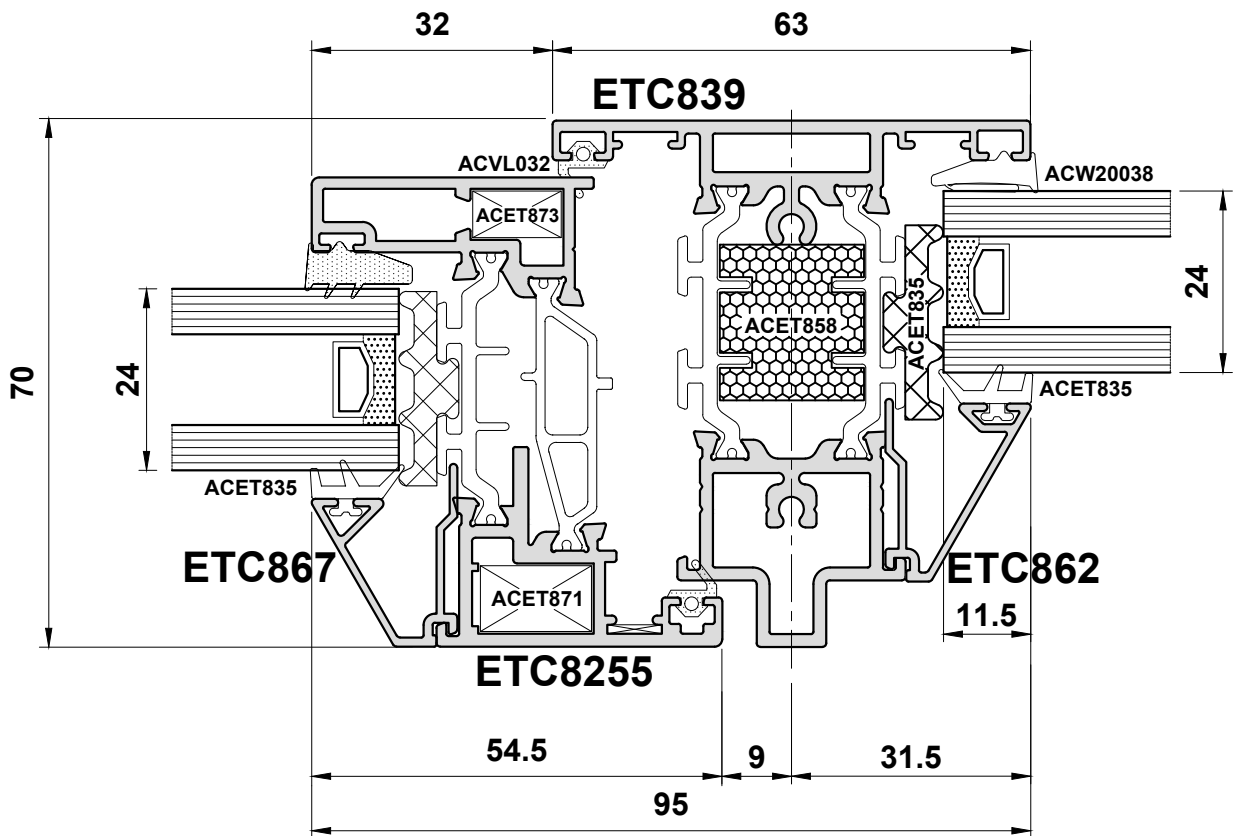
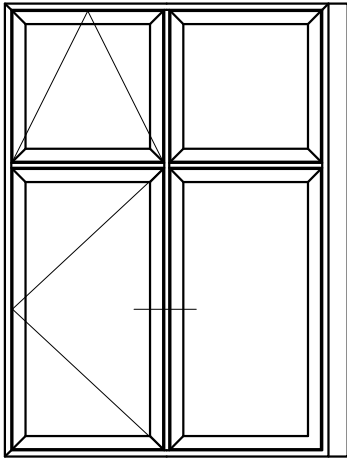
Do Not Scale From This Drawing

Detail 18A



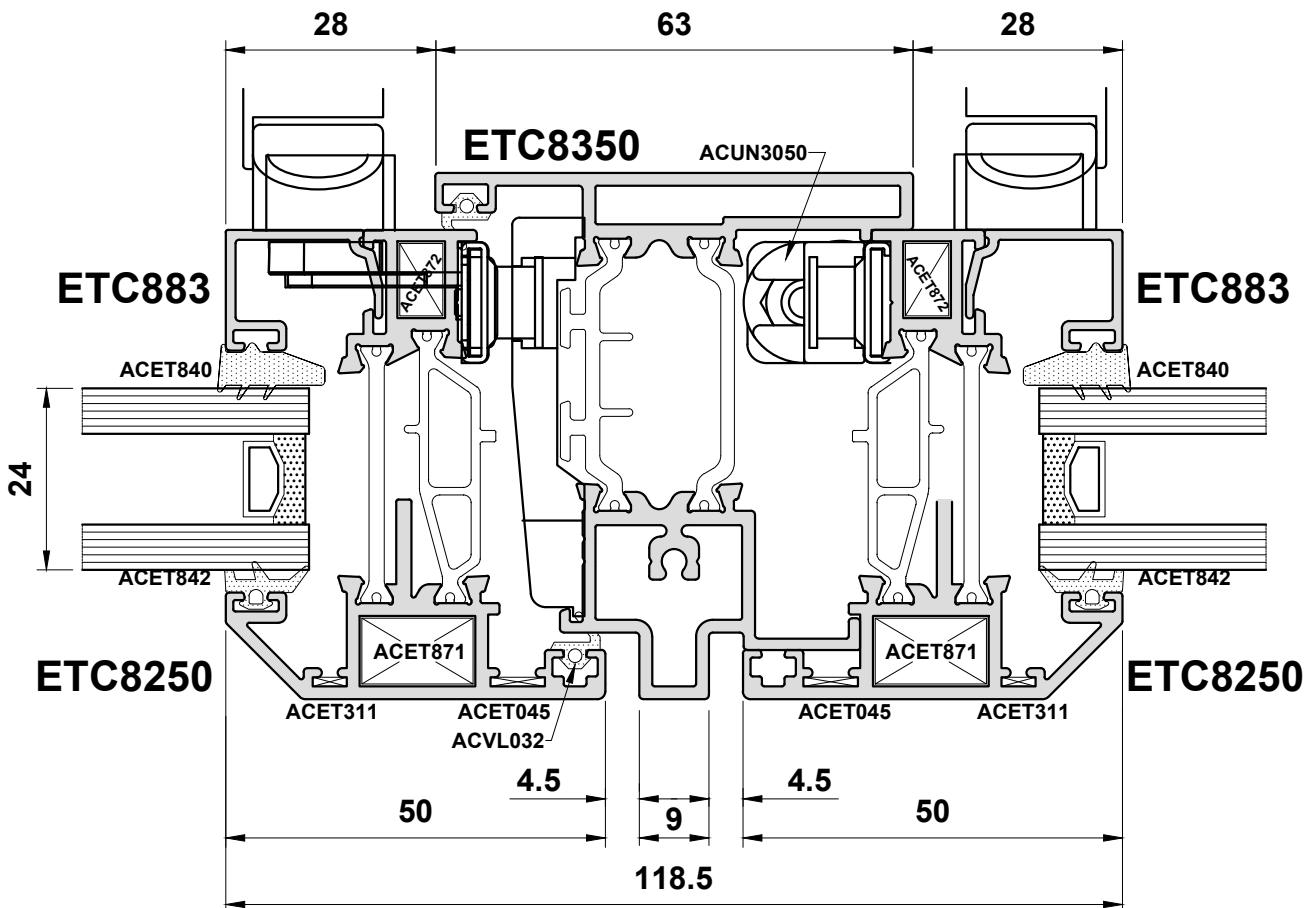
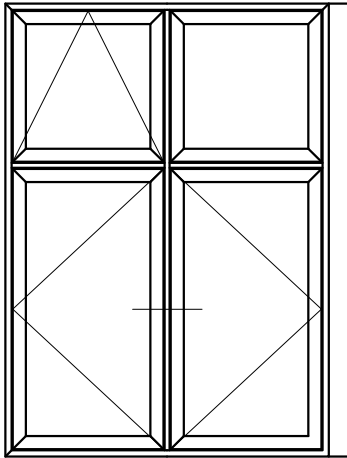
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Detail 18B



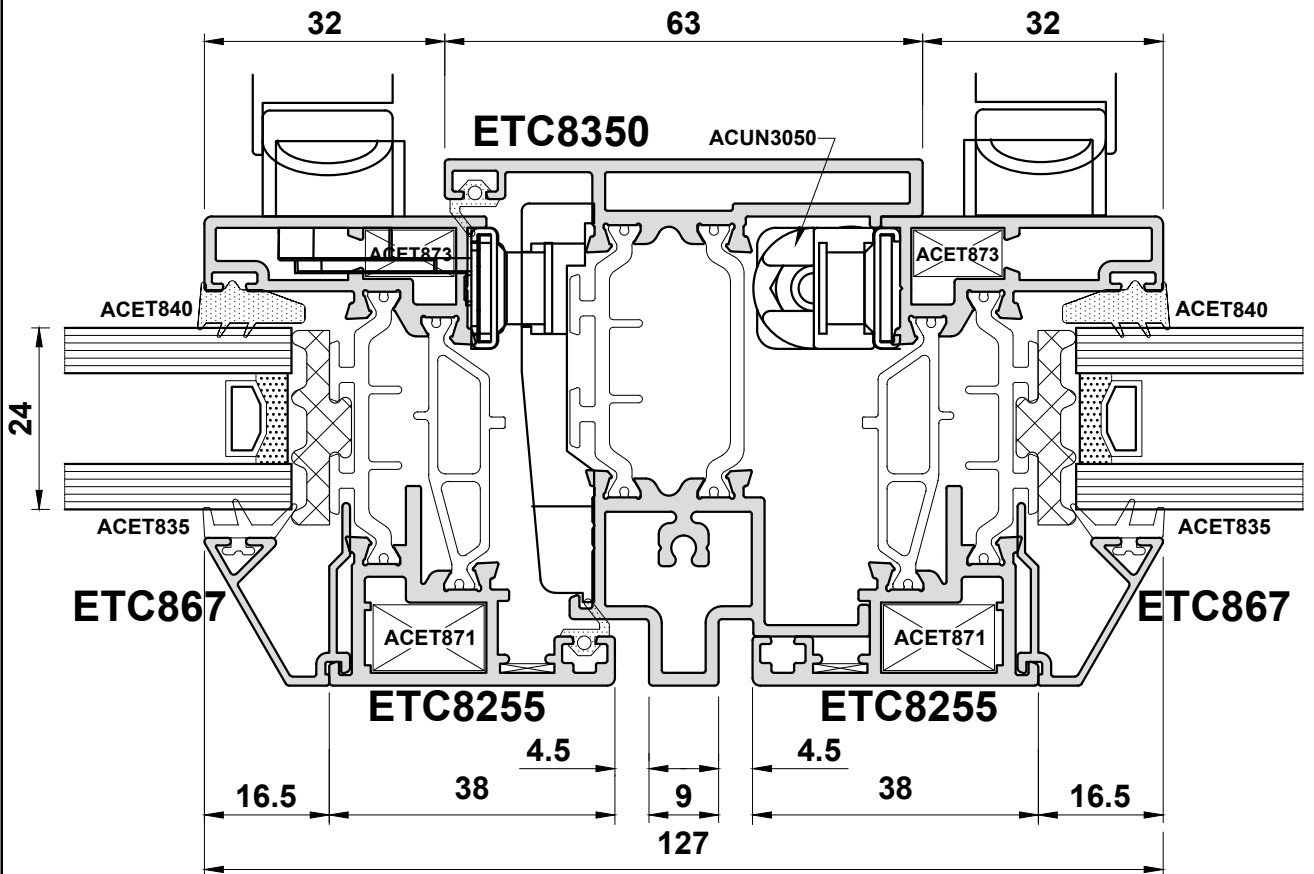
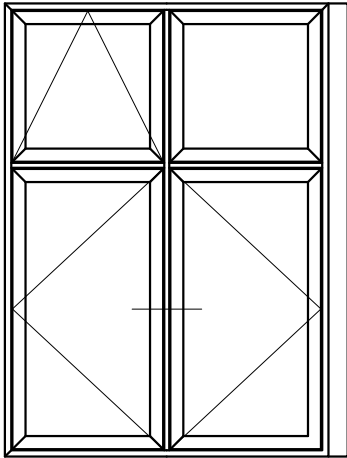
Do Not Scale From This Drawing

Detail 19A



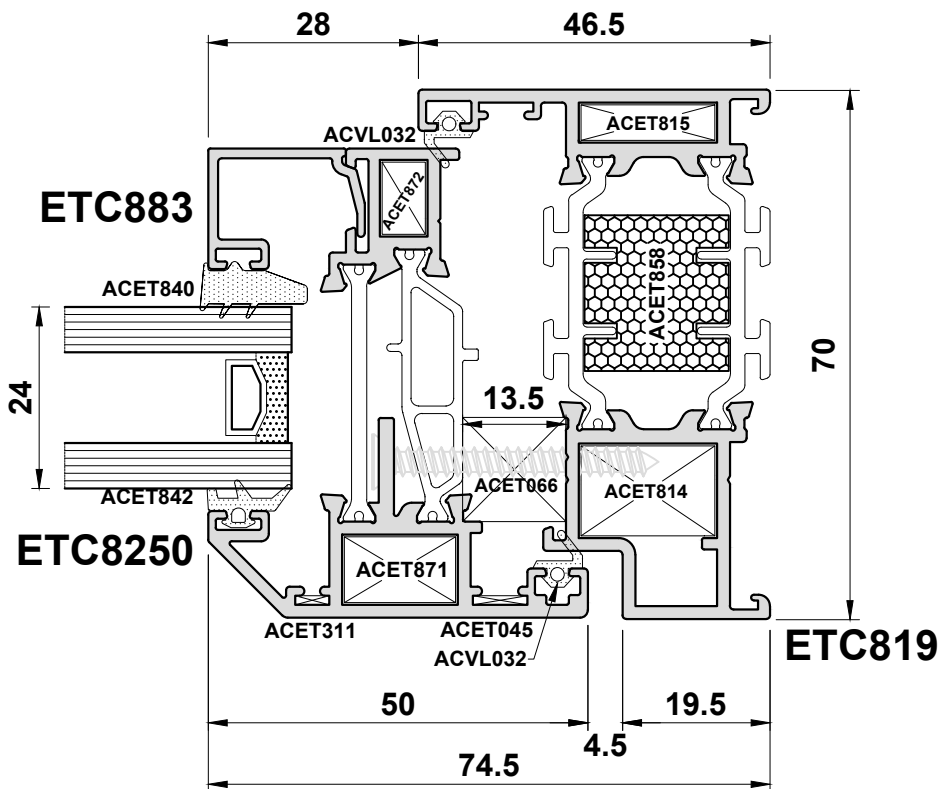
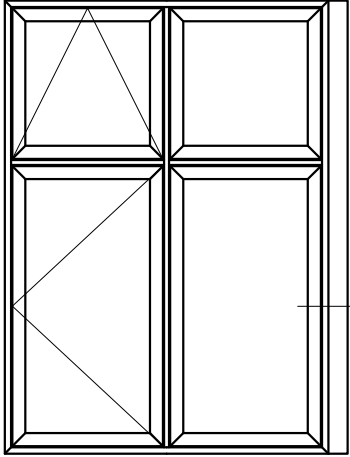
Do Not Scale From This Drawing

Detail 19B



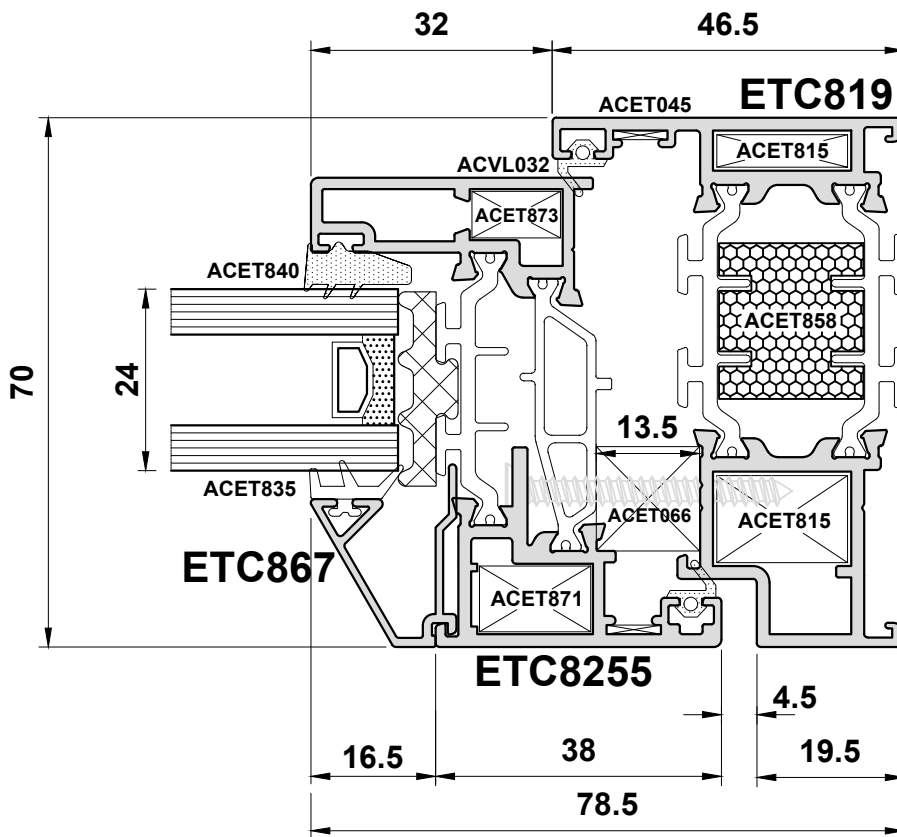
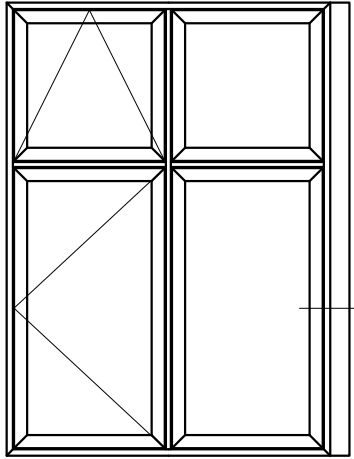
Do Not Scale From This Drawing

Detail 20A



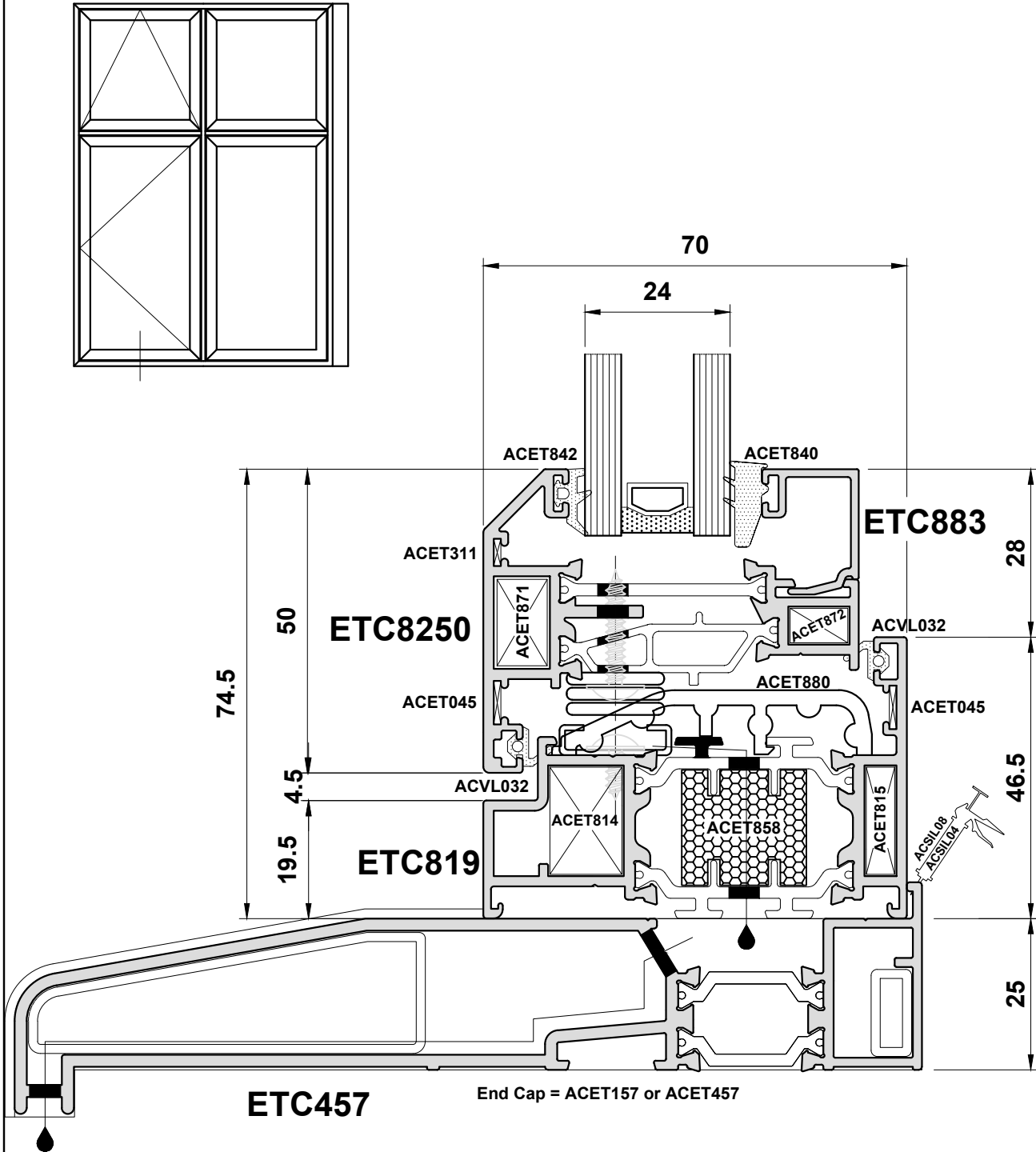
Do Not Scale From This Drawing

Detail 20B



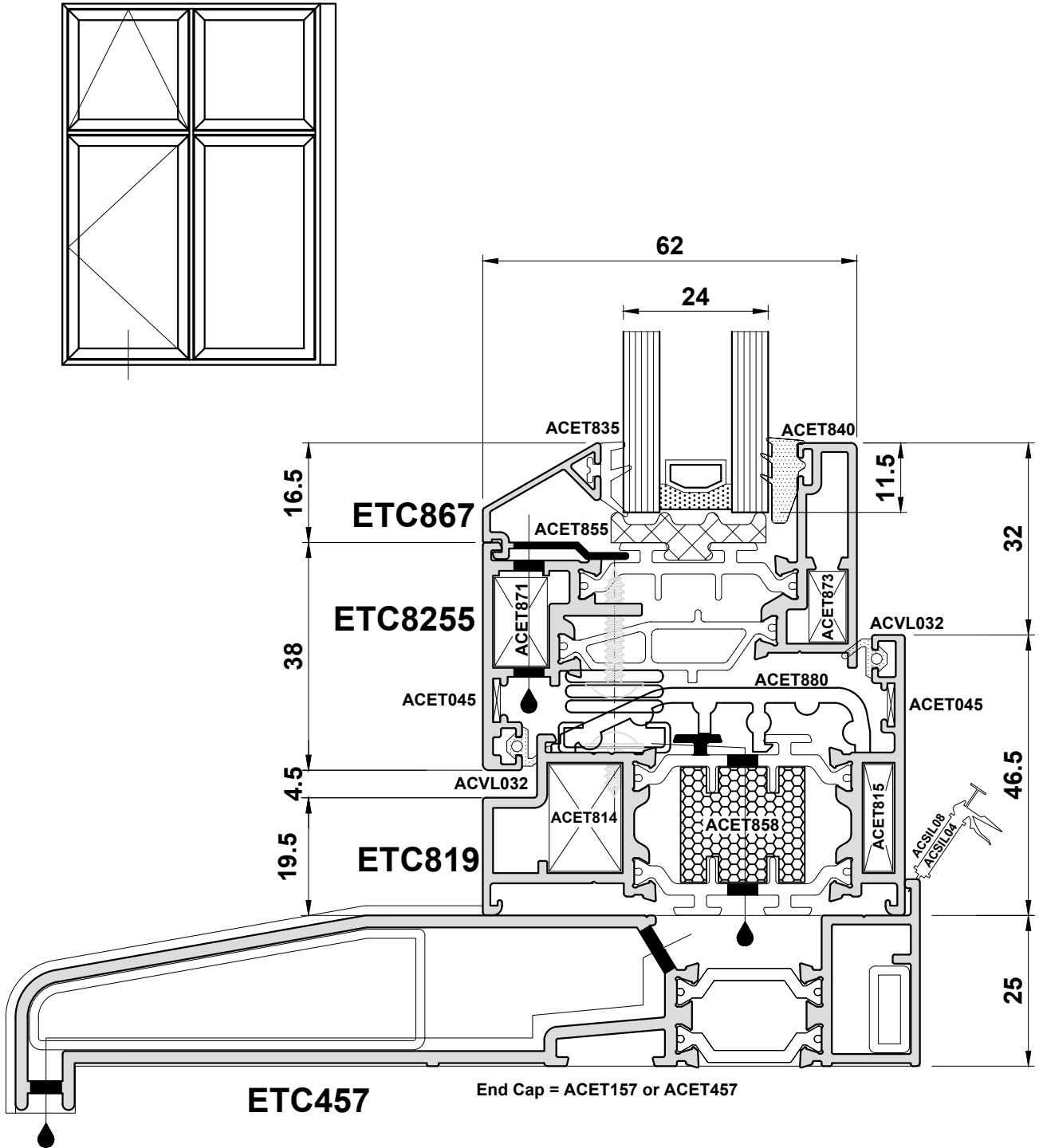
Do Not Scale From This Drawing

Detail 21A



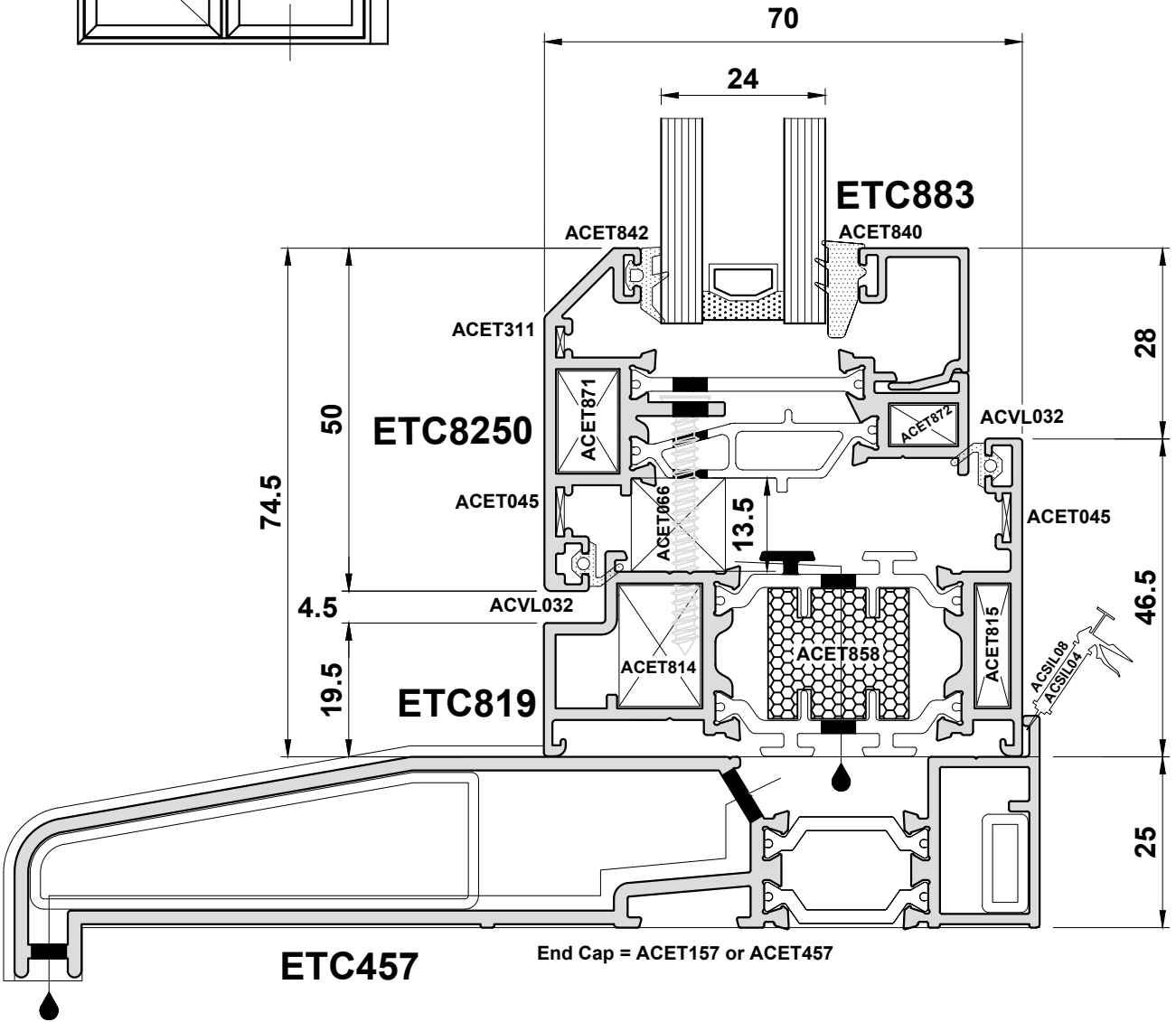
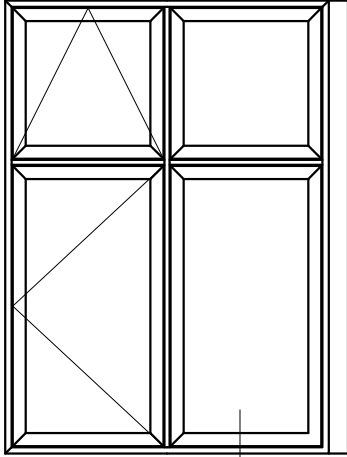
Do Not Scale From This Drawing

Detail 21B

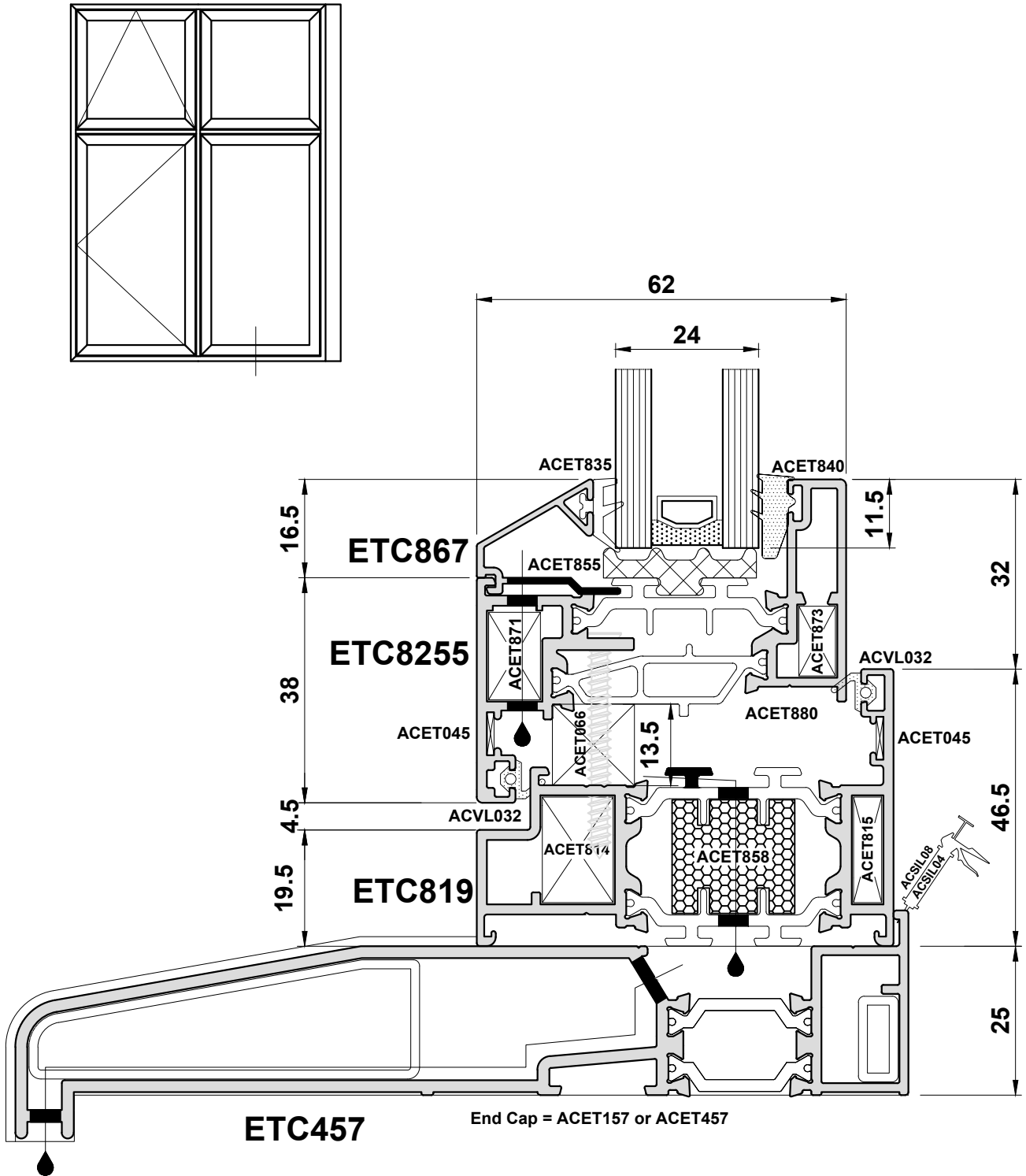


Do Not Scale From This Drawing

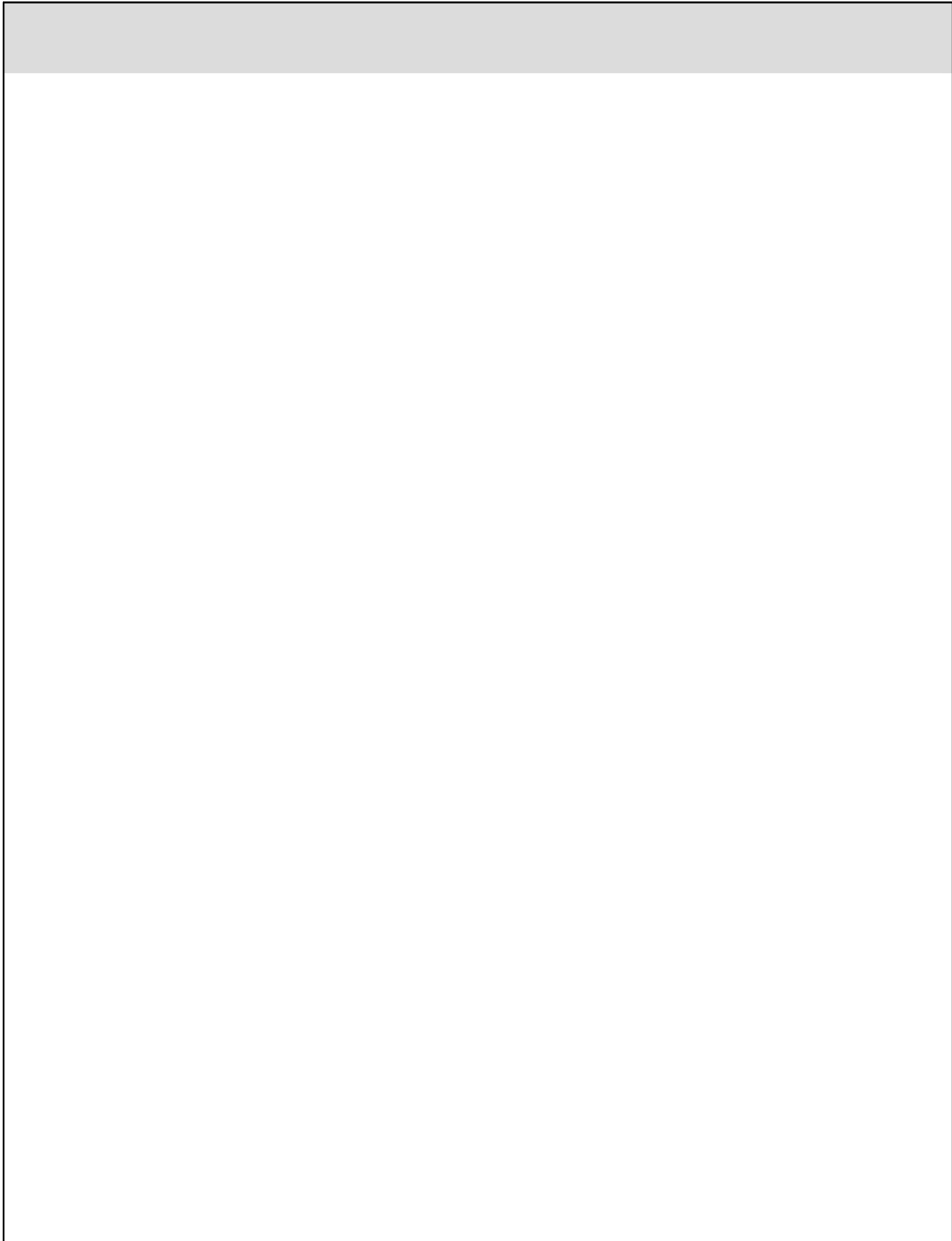
Detail 22A



Detail 22B



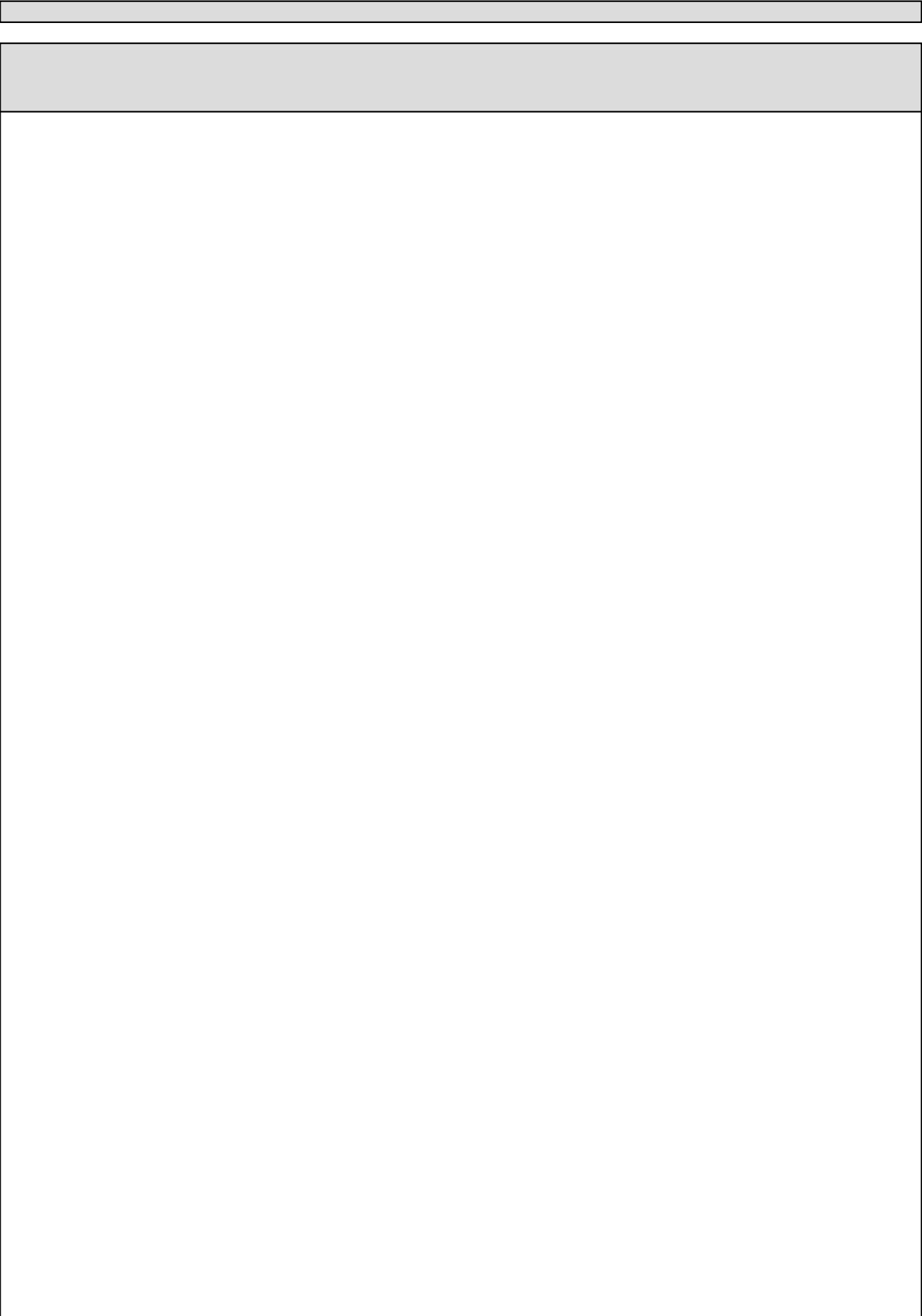
Do Not Scale From This Drawing



Do Not Scale From This Drawing

Section D

**For Wind Loading Limitations,
Please Contact
The Technical Department.**



Section E



Construction Drawings

1	-	Corner Jointing	Page E03-E05
2	-	Drainage.....	Page E06-E07
3	-	Transom/Mullion Fixings.....	Page E08-E11
4	-	Friction Stay Accessories.....	Page E12
5	-	Friction Stays.....	Page E13-E14
6	-	Locking.....	Page E15-E18
7	-	French Casement.....	Page E19-E20
8	-	Beads & Glazing.....	Page E21-E23
9	-	Fixing Strap Detail.....	Page E24
10	-	Baypole Configuration.....	Page E25-E28
11	-	Horizontal Coupler.....	Page E29

Section E

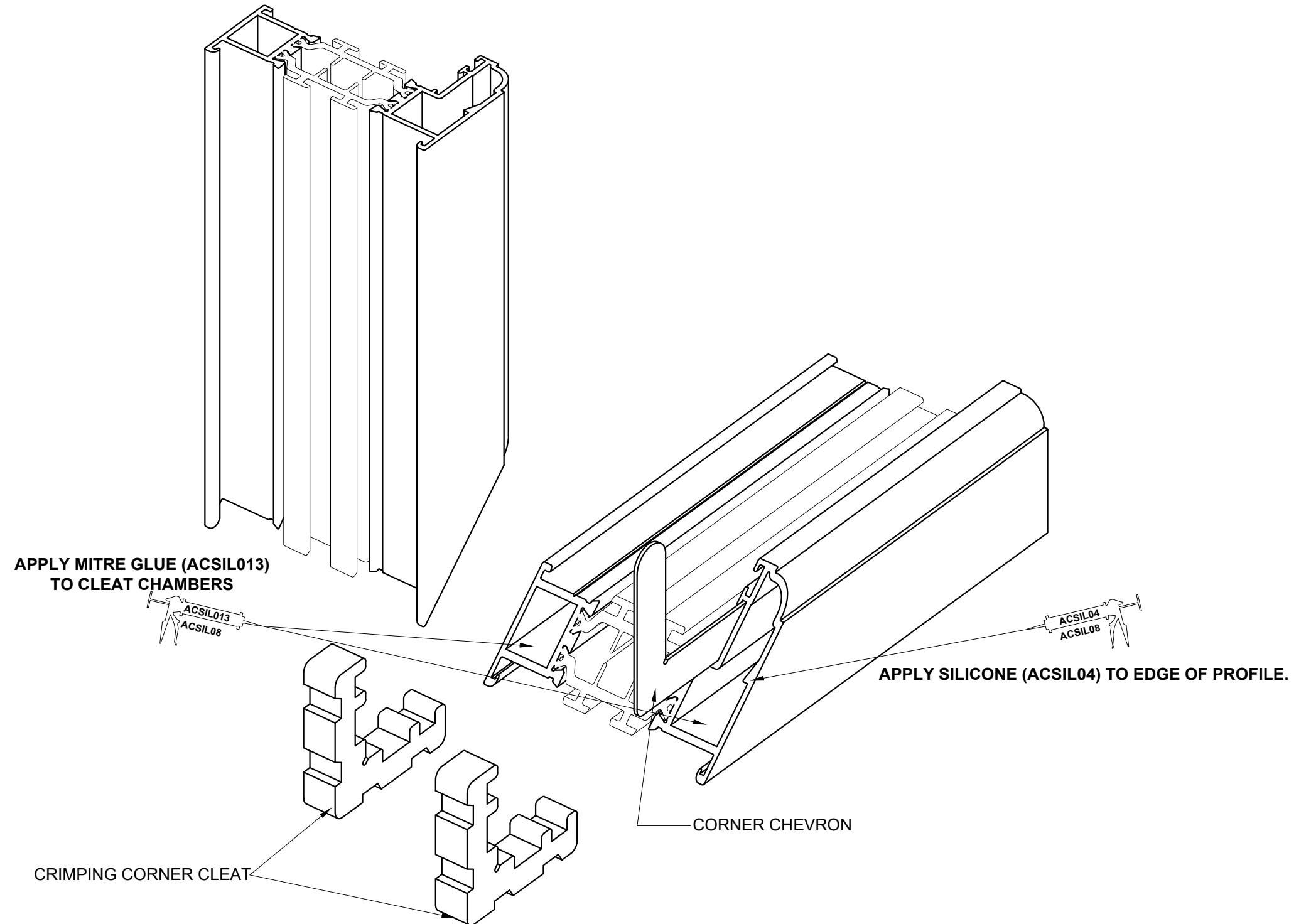
Typical Corner Detail

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

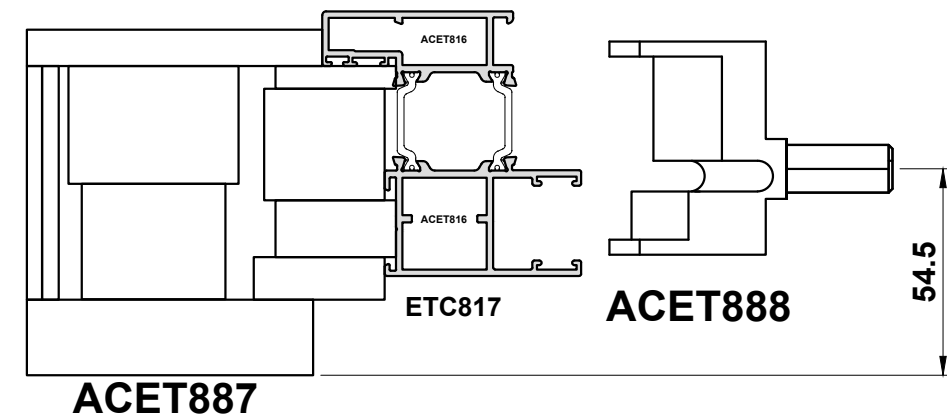
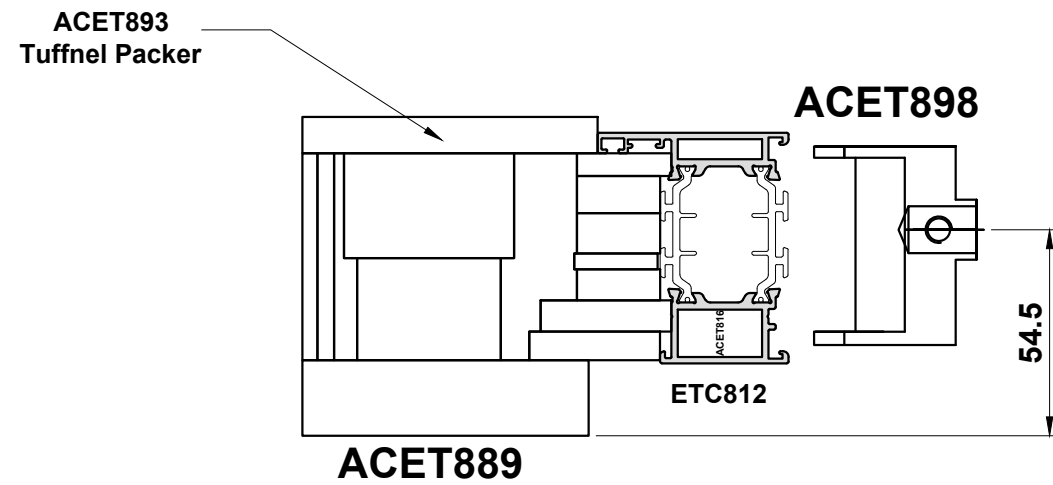
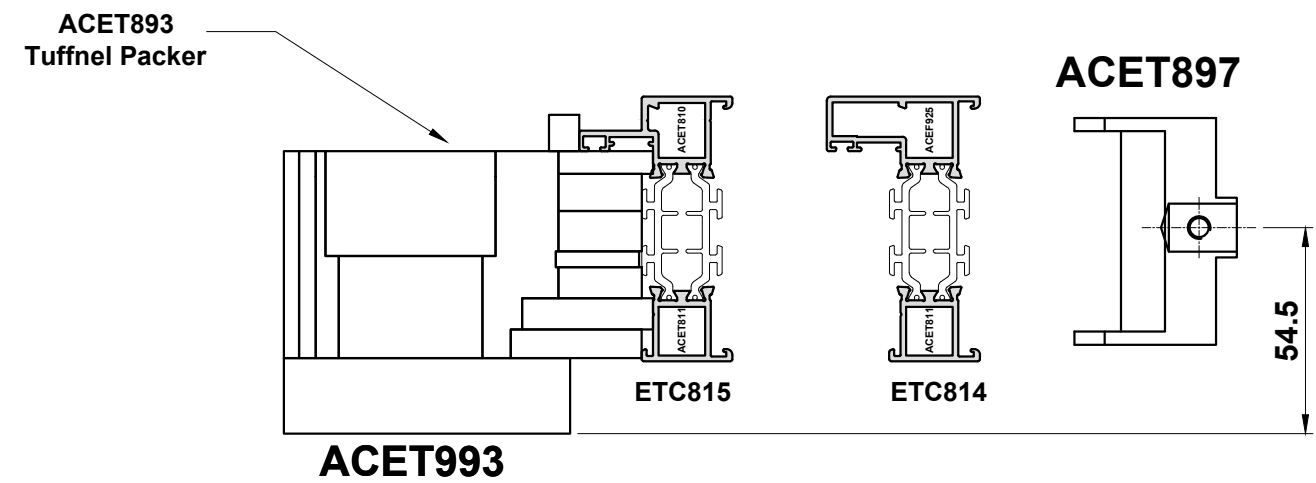
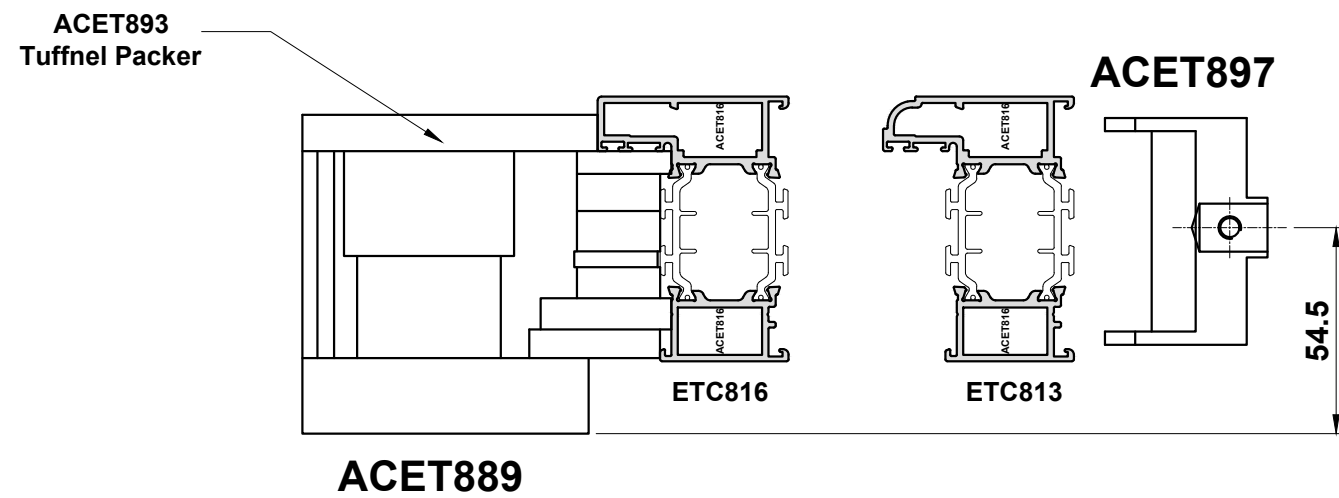
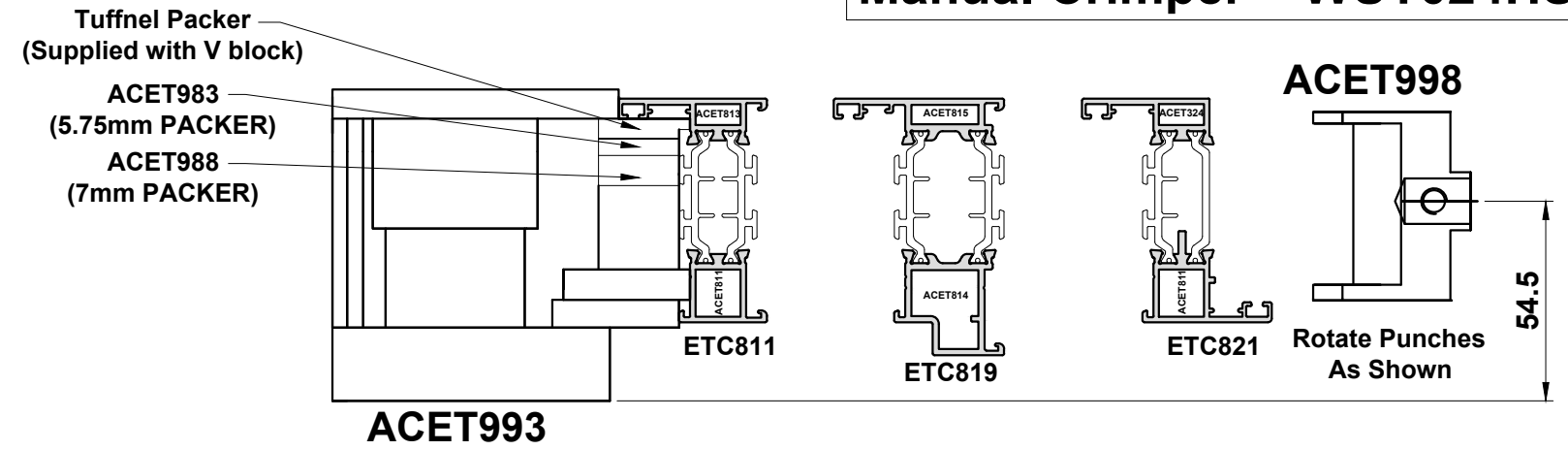
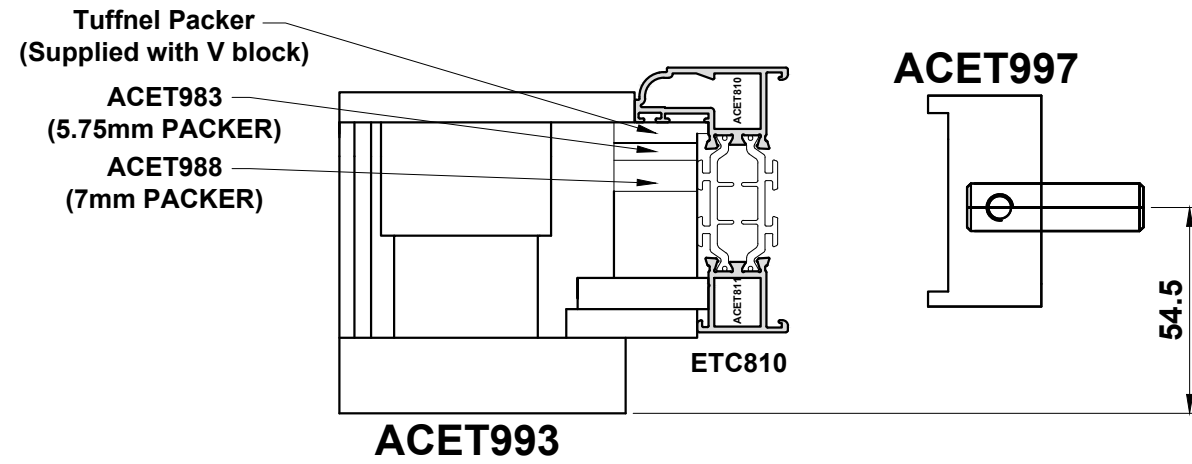
KL Colour	Sealant Part Number
Black	ACSIL04BL
White	ACSIL04WP
Clear	ACSIL04CL
KL001	ACSIL04KL001
KL002	ACSIL04KL002
KL003	ACSIL04KL003
KL004	ACSIL04KL004
KL005	ACSIL04KL005
KL006	ACSIL04KL006
KL007	ACSIL04KL007
KL010	ACSIL04KL010
KL011	ACSIL04KL011
KL012	ACSIL04KL012
KL013	ACSIL04KL013



Do Not Scale From This Drawing

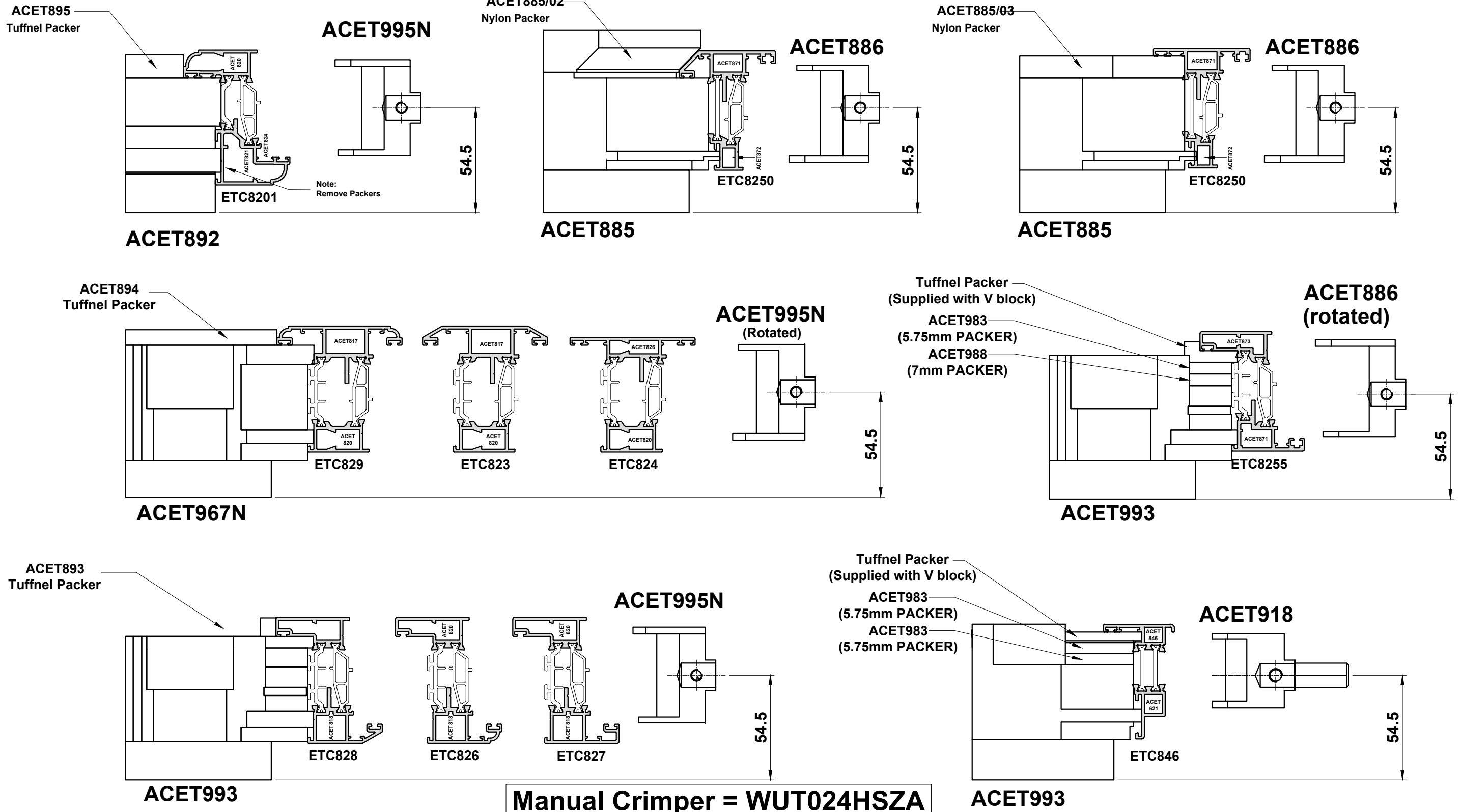
Corner Crimping

Manual Crimper = WUT024HSZA



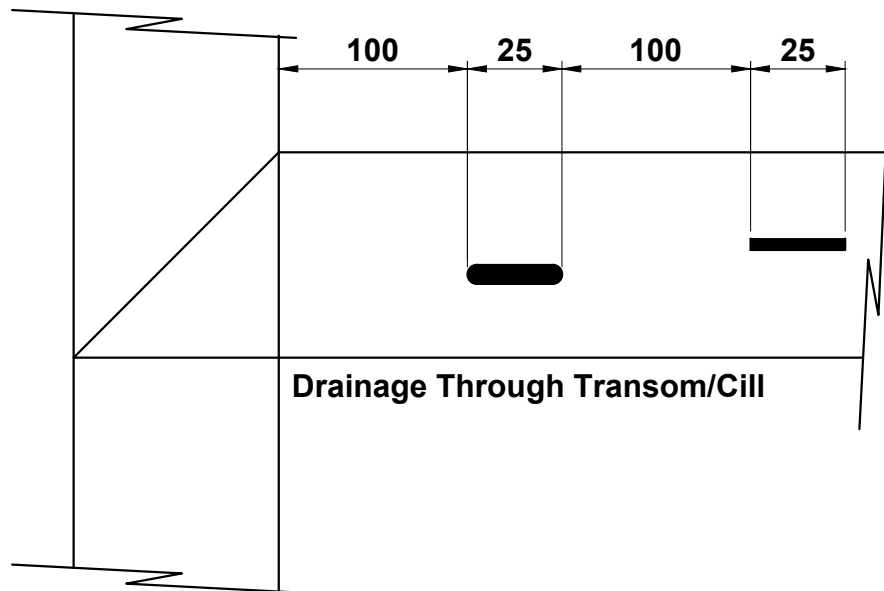
Do Not Scale From This Drawing

Corner Crimping

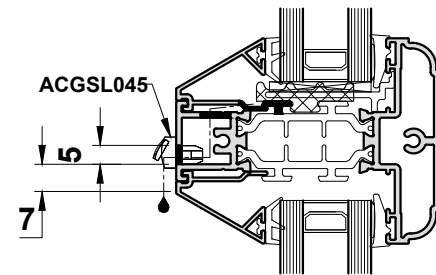


Do Not Scale From This Drawing

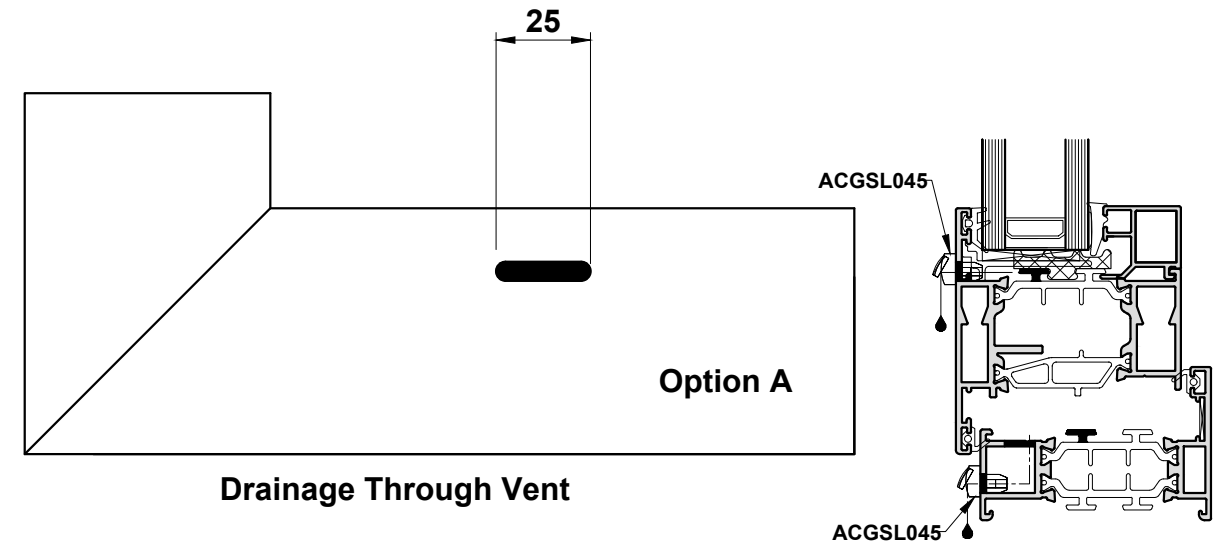
Drainage Details



Drainage Through Transom/Cill

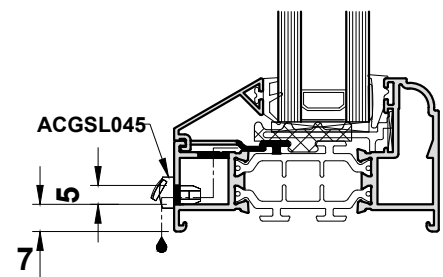


Transoms will also drain through the join to the outerframe

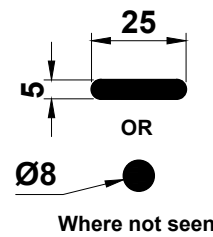


Option A

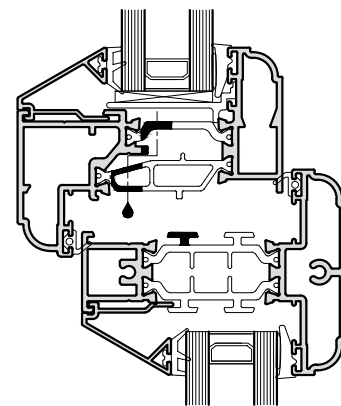
Drainage Through Vent



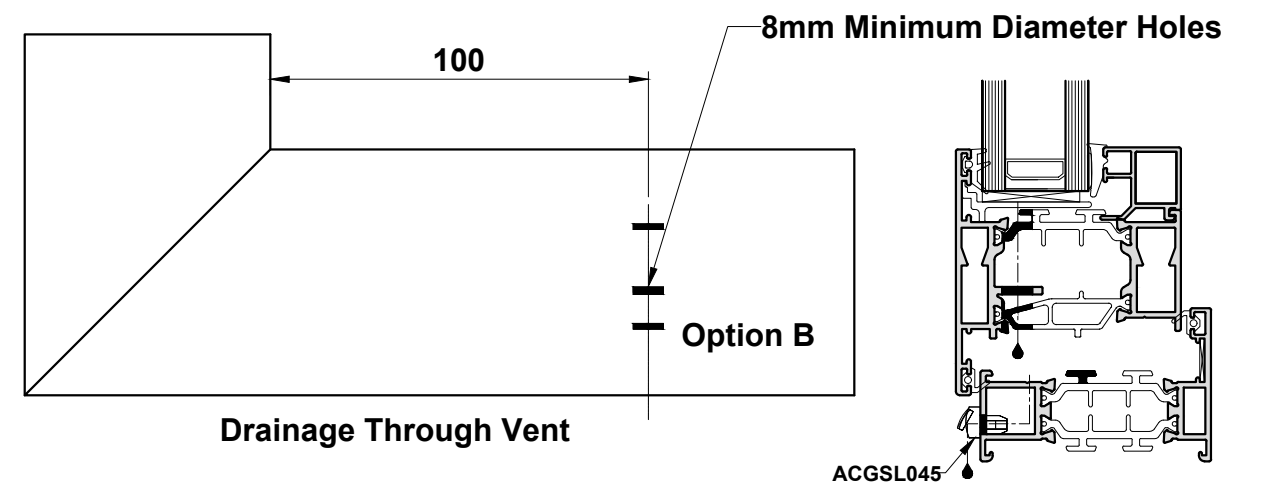
Outerframe Without Cill



Where not seen

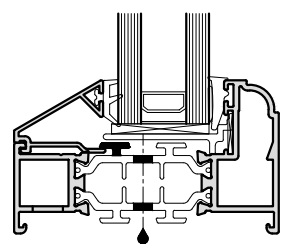


Transoms will also drain through the join to the outerframe

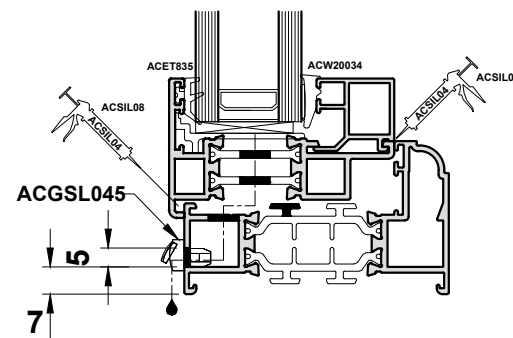
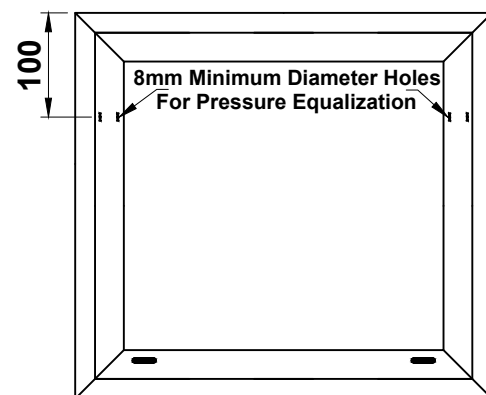


Option B

Drainage Through Vent



Outerframe With Cill

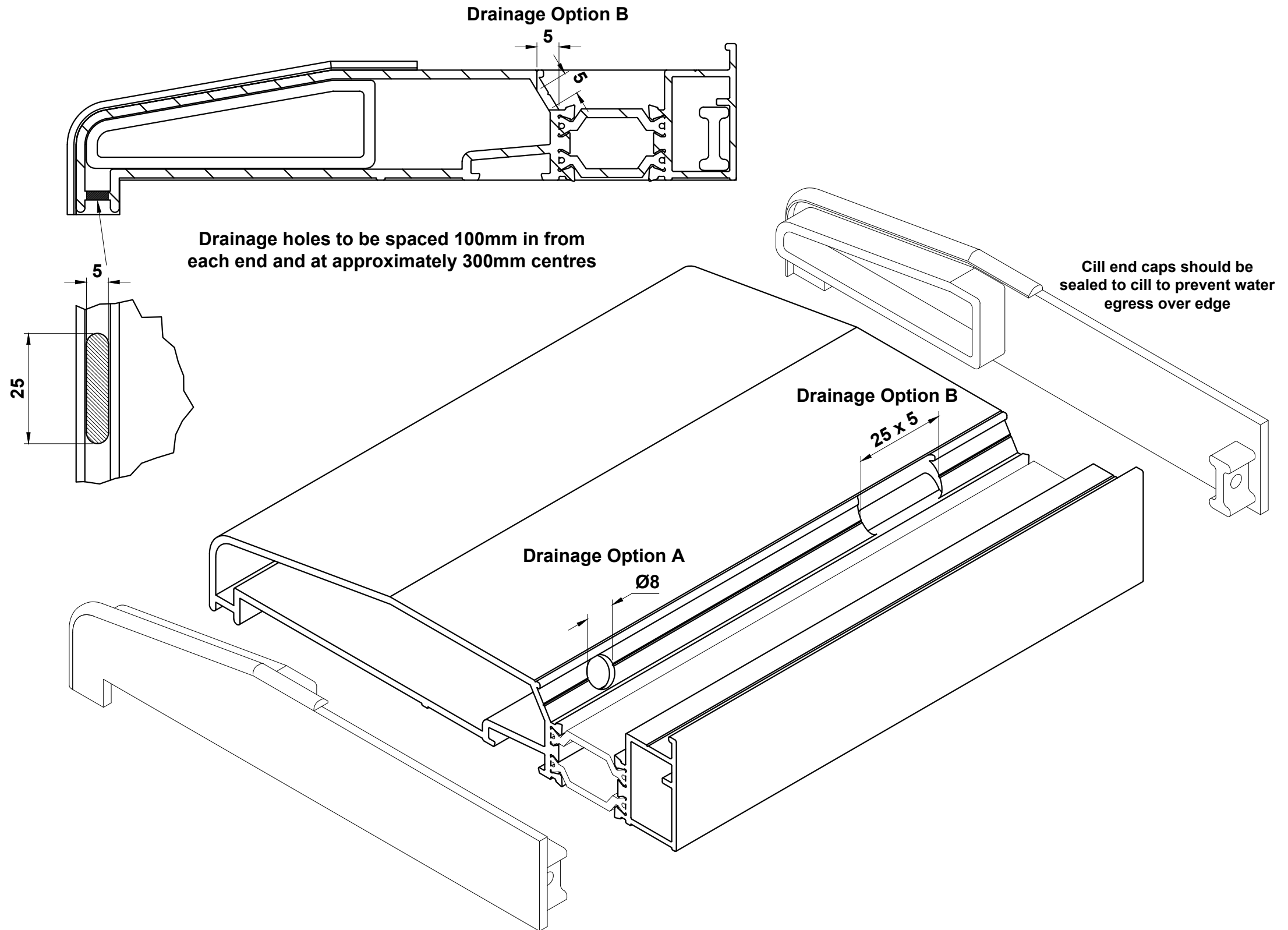


Outerframe With Reverse Adaptor

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

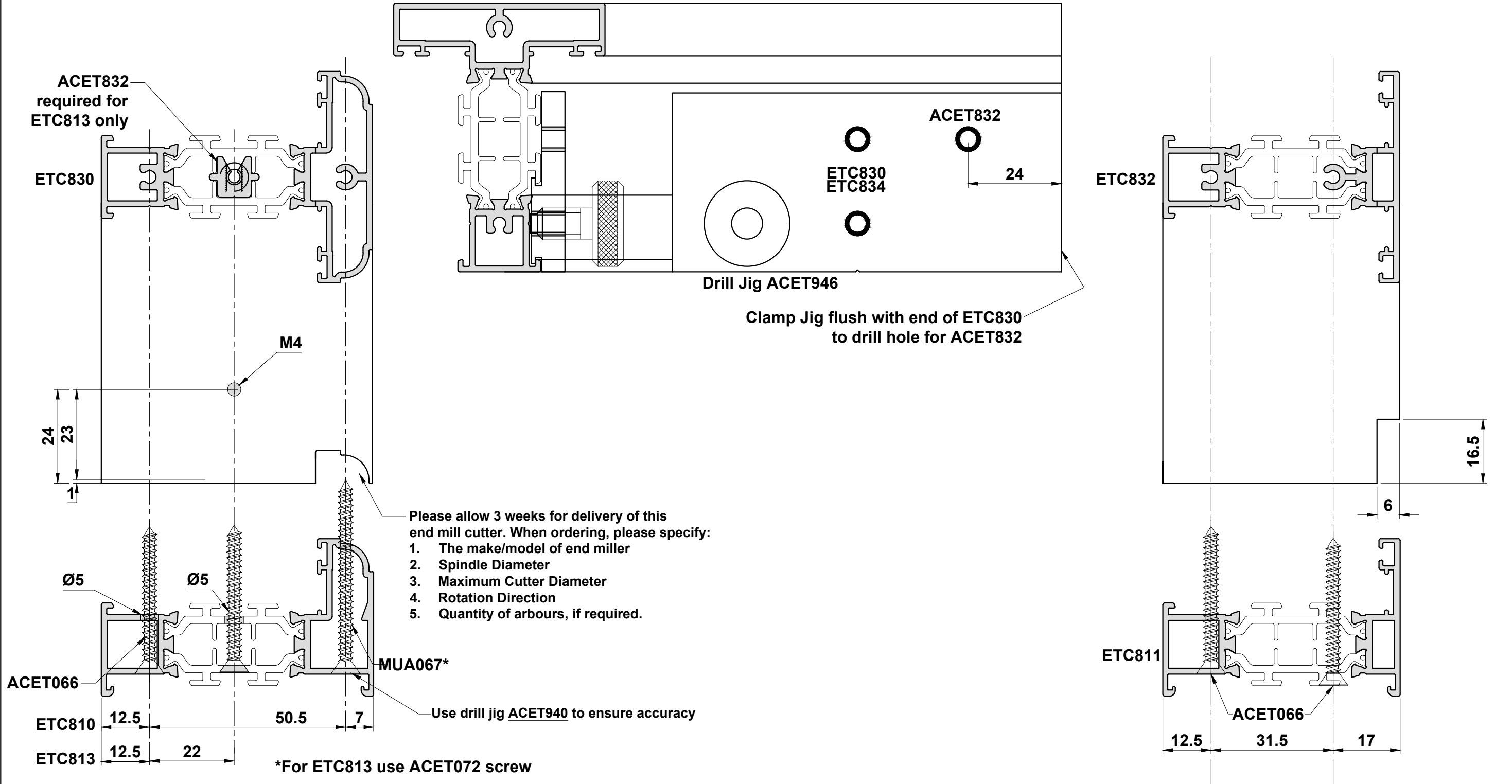
Do Not Scale From This Drawing

Cill Drainage



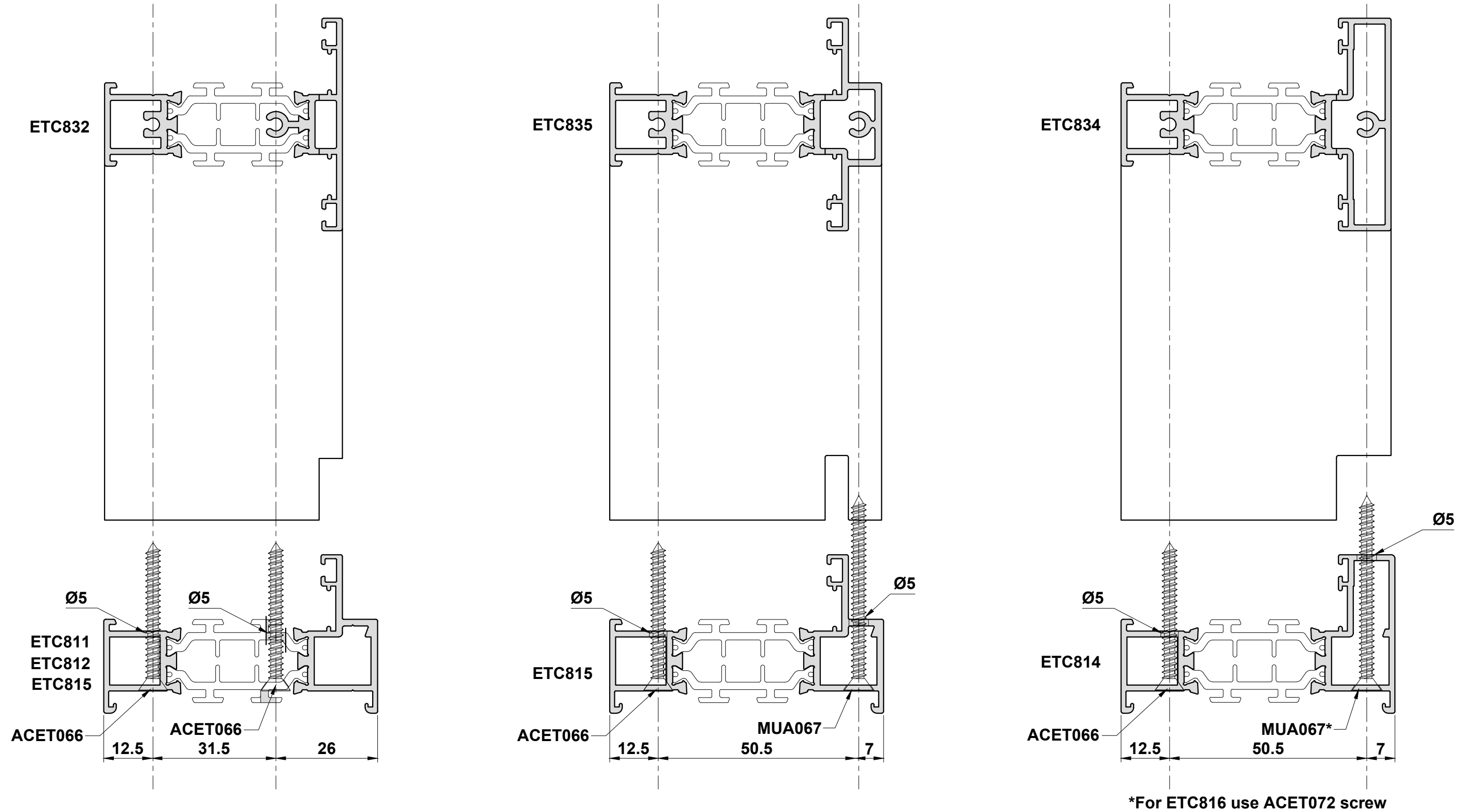
Do Not Scale From This Drawing

Transom/Mullion Preparation



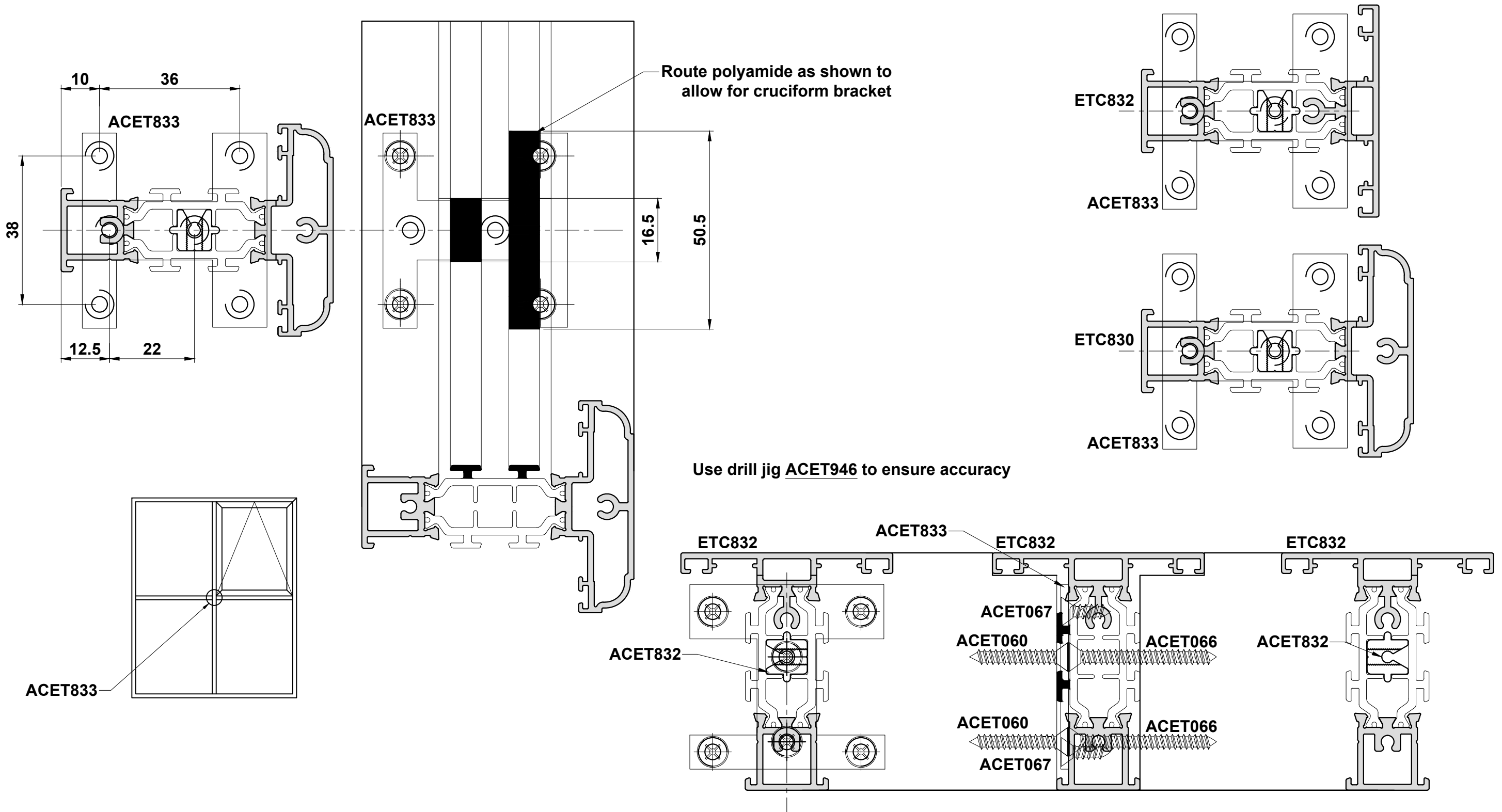
Do Not Scale From This Drawing

Transom/Mullion Preparation



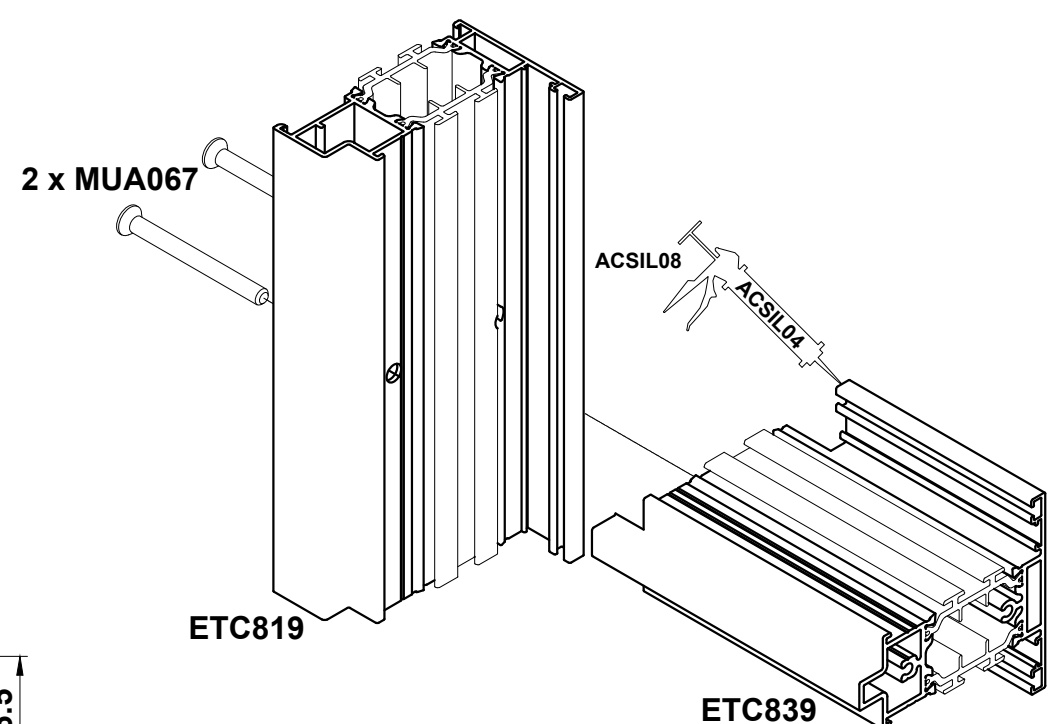
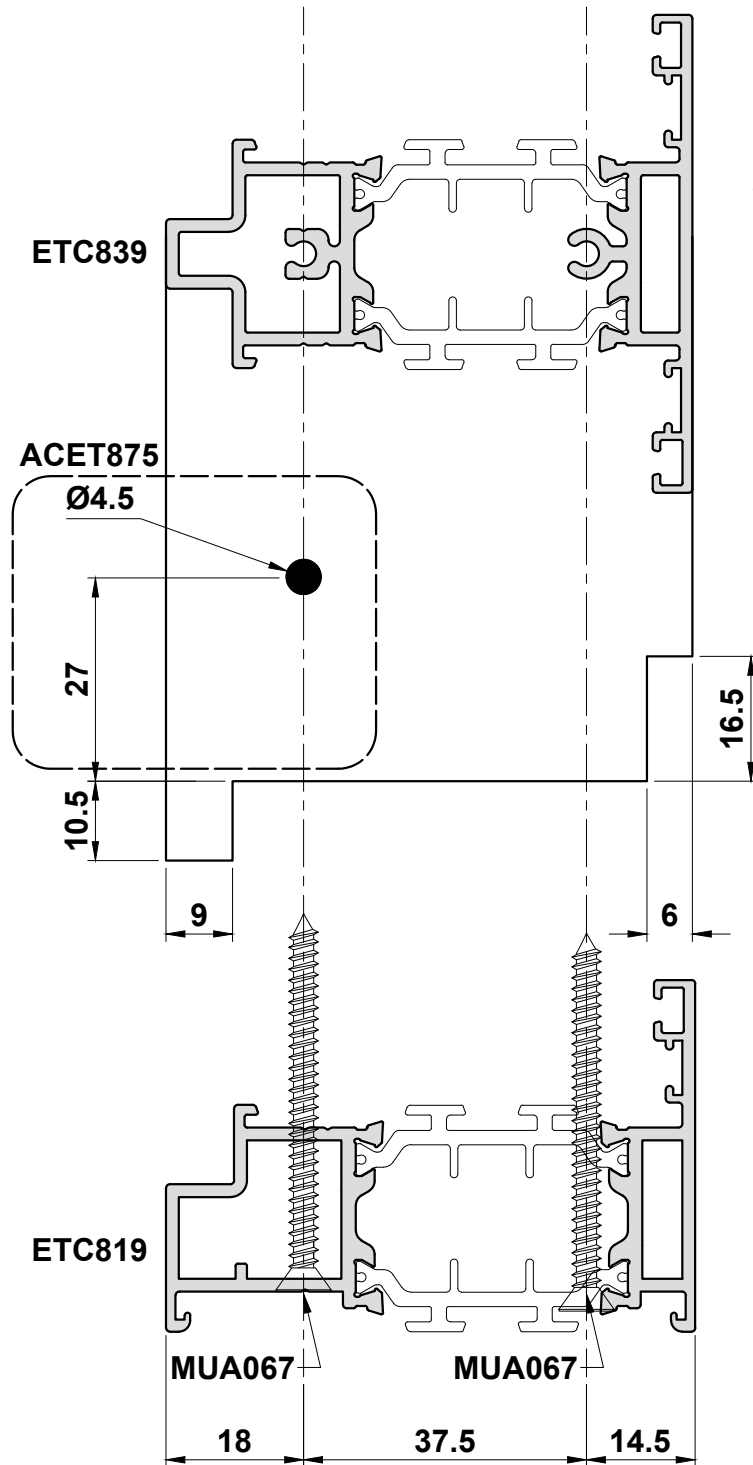
Do Not Scale From This Drawing

Transom/Mullion Preparation For Cruciform

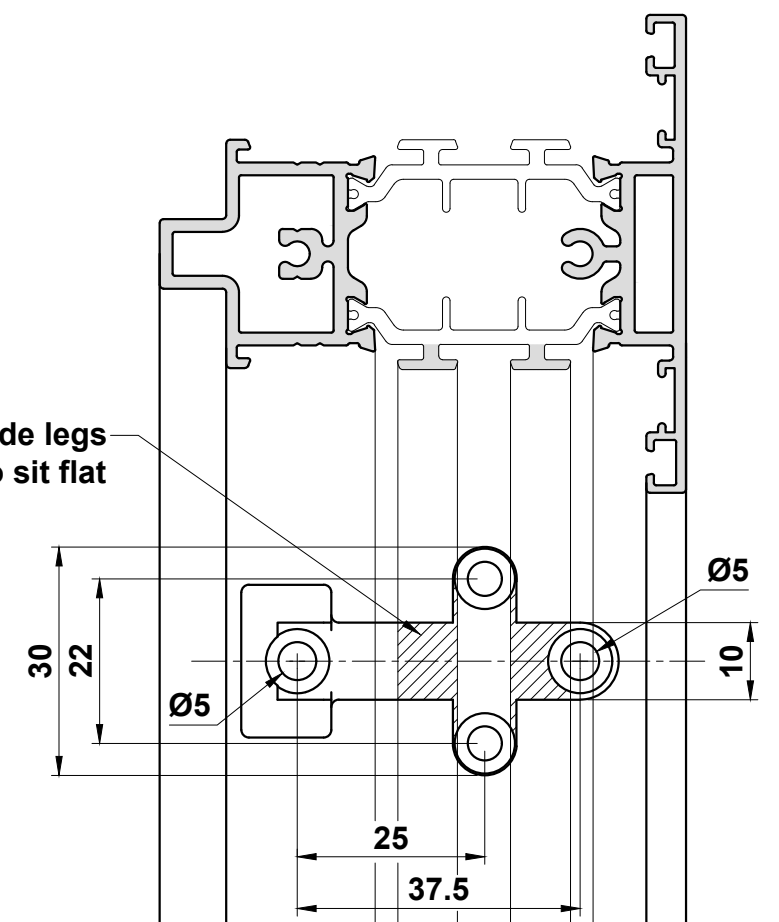


Do Not Scale From This Drawing

Mullion/Transom Detail



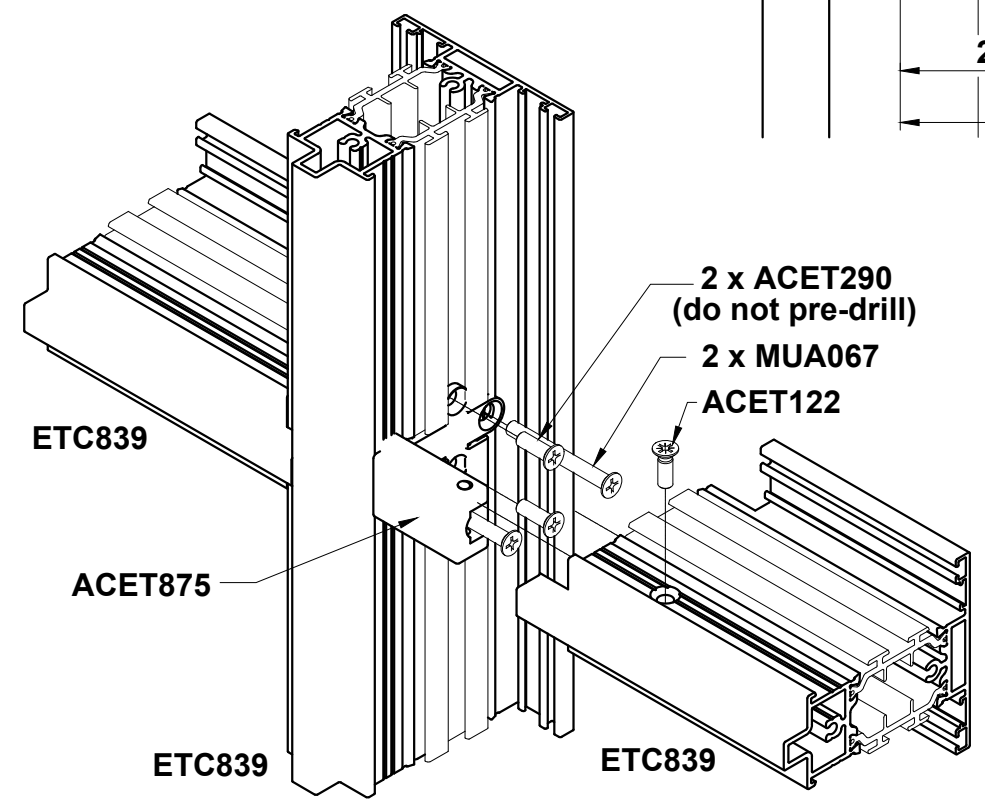
Remove polyamide legs to allow ACET875 to sit flat



Please allow 3 weeks for delivery of this end mill cutter. When ordering, please specify:

1. The make/model of end miller
2. Spindle Diameter
3. Maximum Cutter Diameter
4. Rotation Direction
5. Quantity of arbours, if required.

Use drill jig ACET884 to ensure accuracy

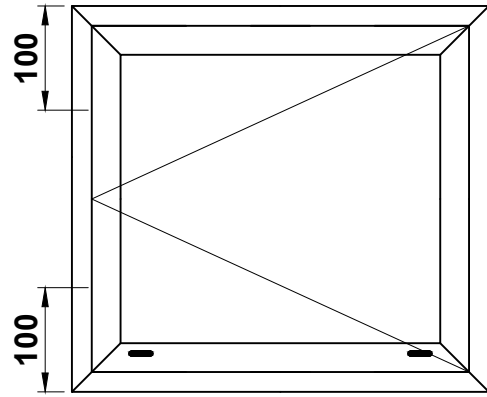


Do Not Scale From This Drawing

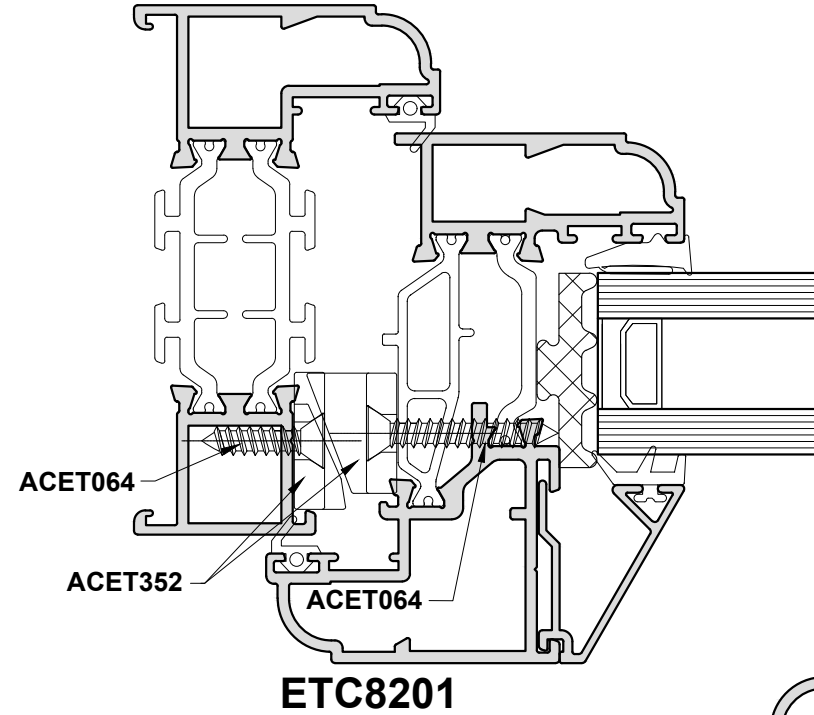
Friction Stay Accessories

Pull In Blocks for Easy Clean/Egress Stays

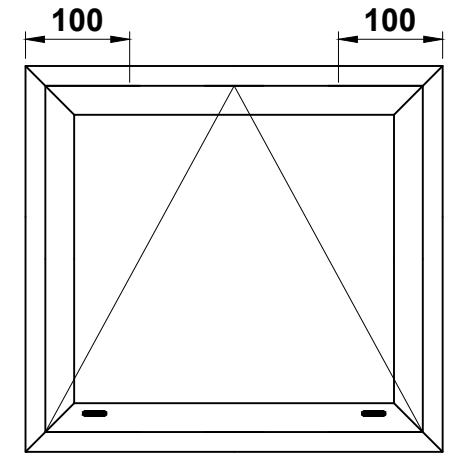
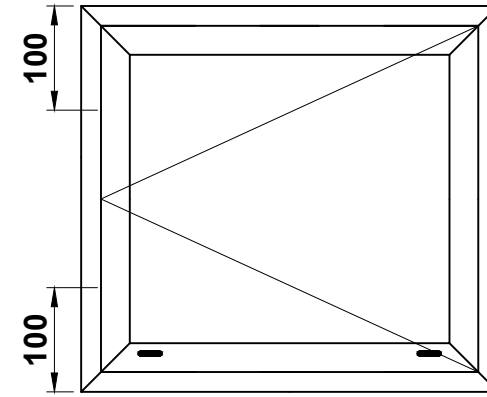
Security Hinge Protectors



ETC810



ETC8201



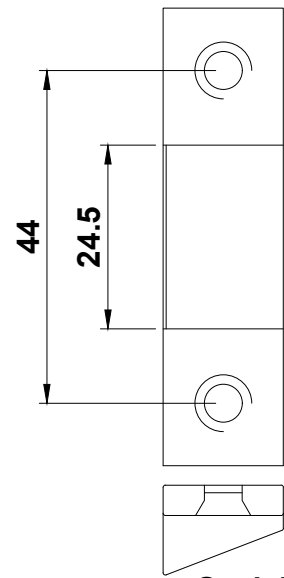
Please Note:

- 2 pairs per opening vent to be fitted to hinged side of window
- Each pair must be fitted with the wedge centre within 100mm of each hinge and in the centre of the window when sash height is greater than 800mm.

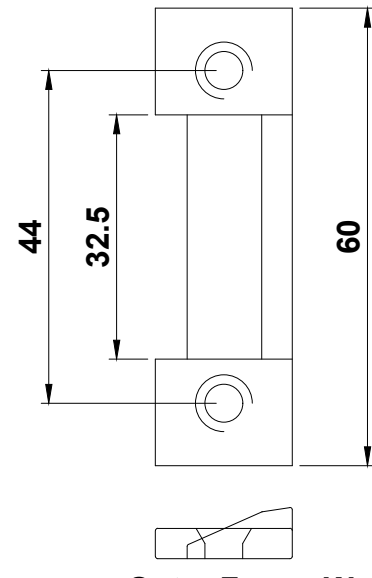
Please Note:

- 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

ACET352

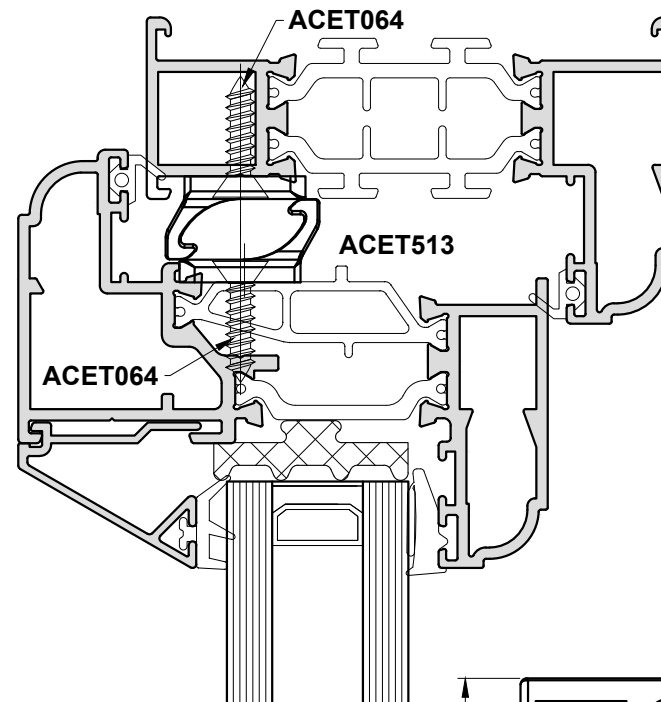


Sash Wedge

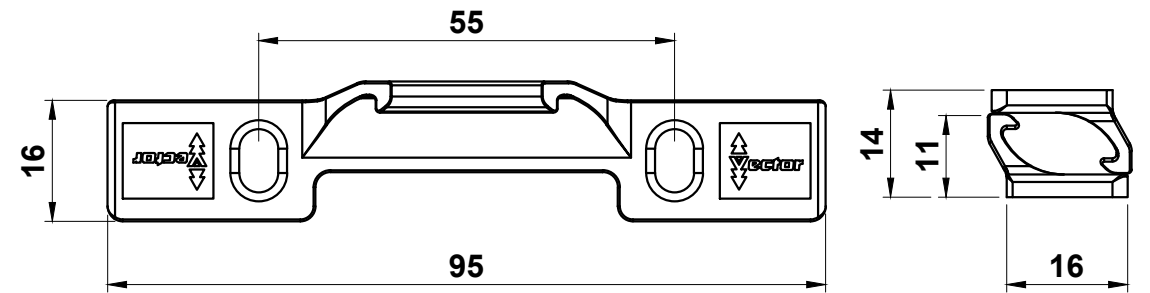


Outer Frame Wedge

ETC8201

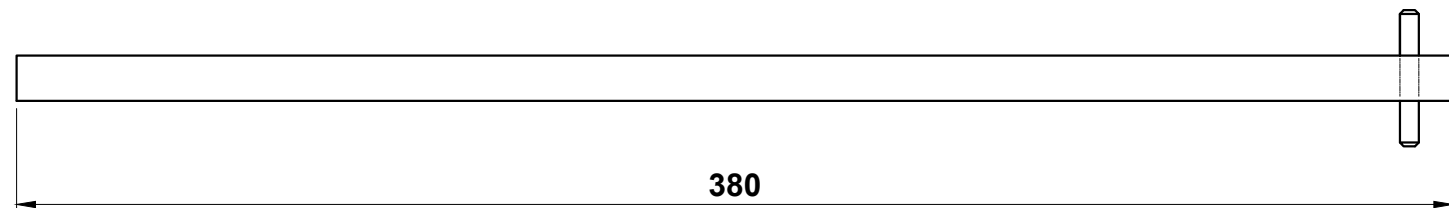
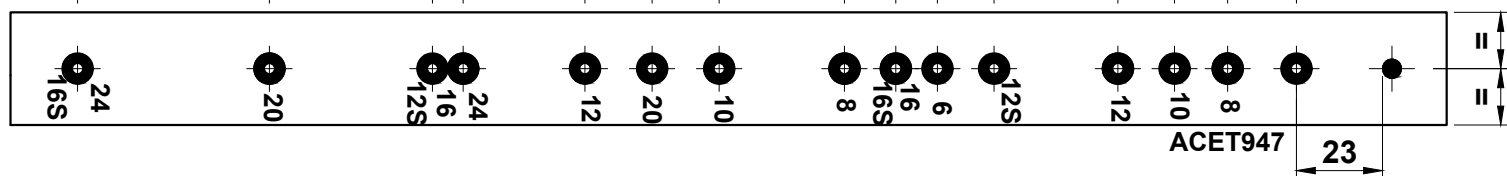
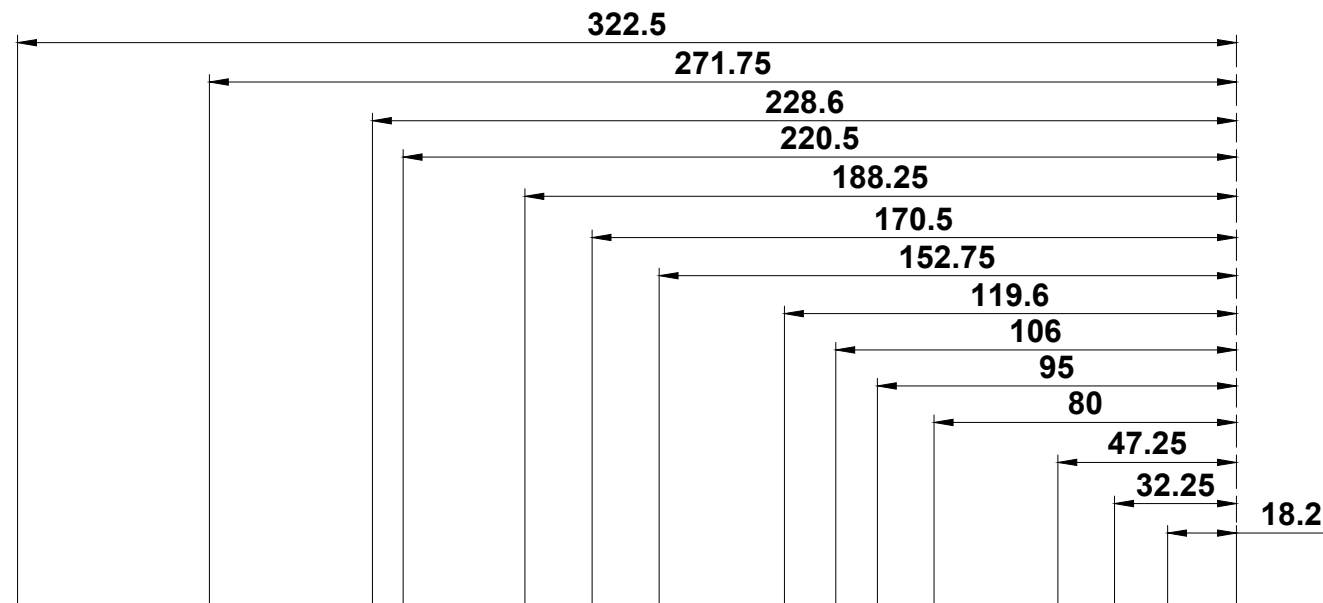
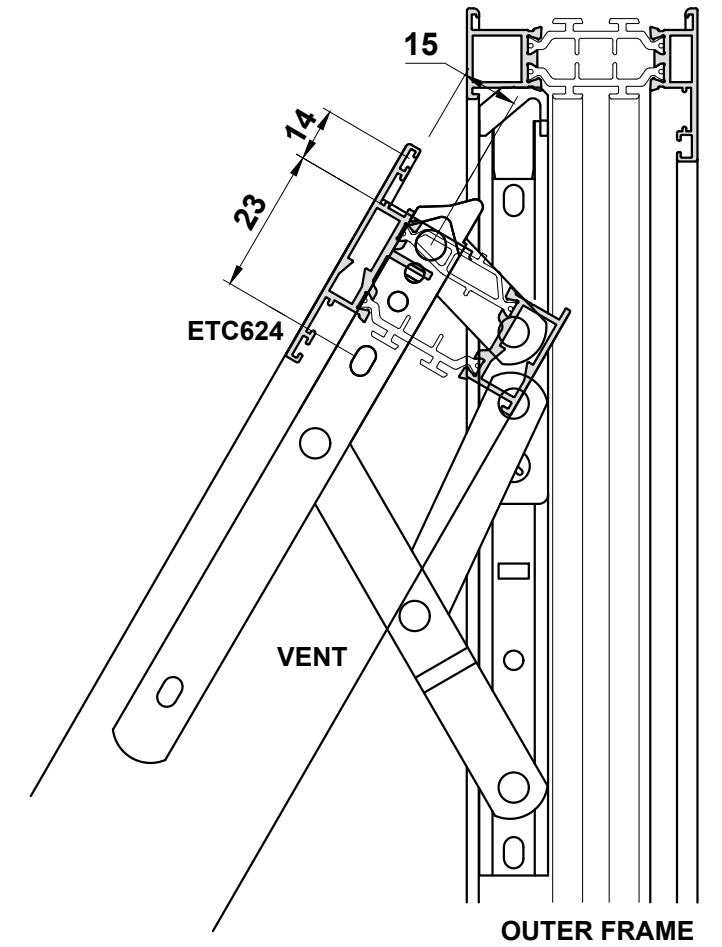
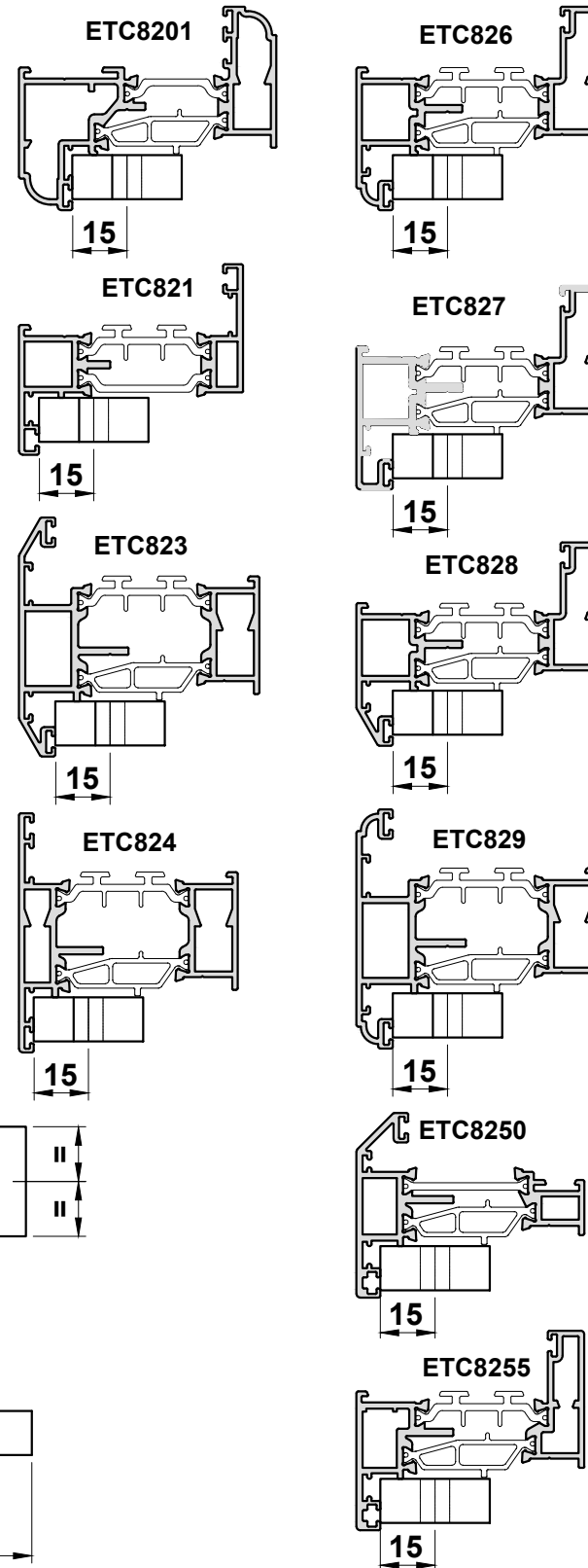
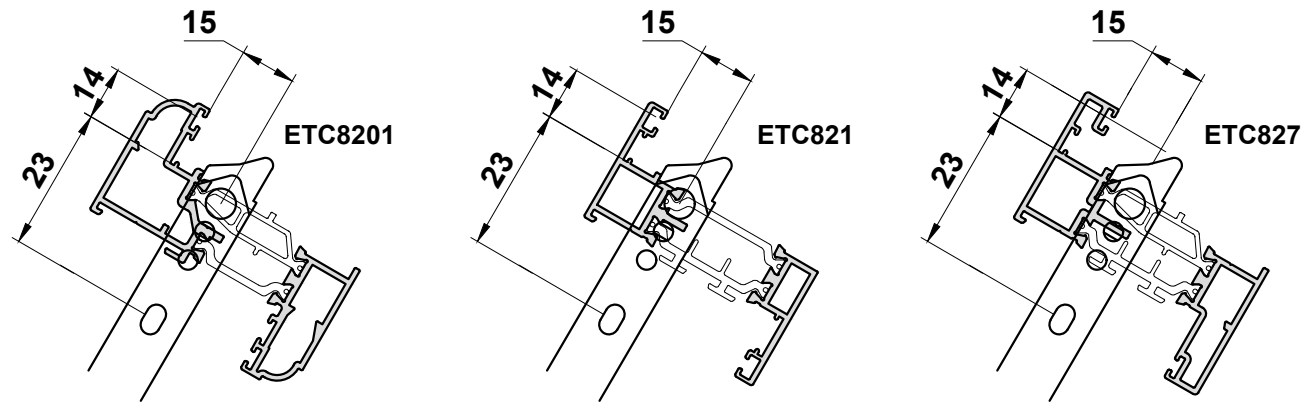


ETC810



Do Not Scale From This Drawing

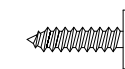
Friction Hinge Details



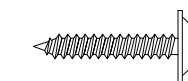
To ensure accuracy use drill jig: ACET947

Numbers indicate stay length in inches, numbers followed by an 'S' are used for side hung stays. ACET947 Cannot be used with easy clean stays.

TOP HUNG HEIGHT AND SIDE HUNG WIDTH SASH SIZES TO BE REDUCED BY 2mm WHERE SIZE IS 450mm OR SMALLER

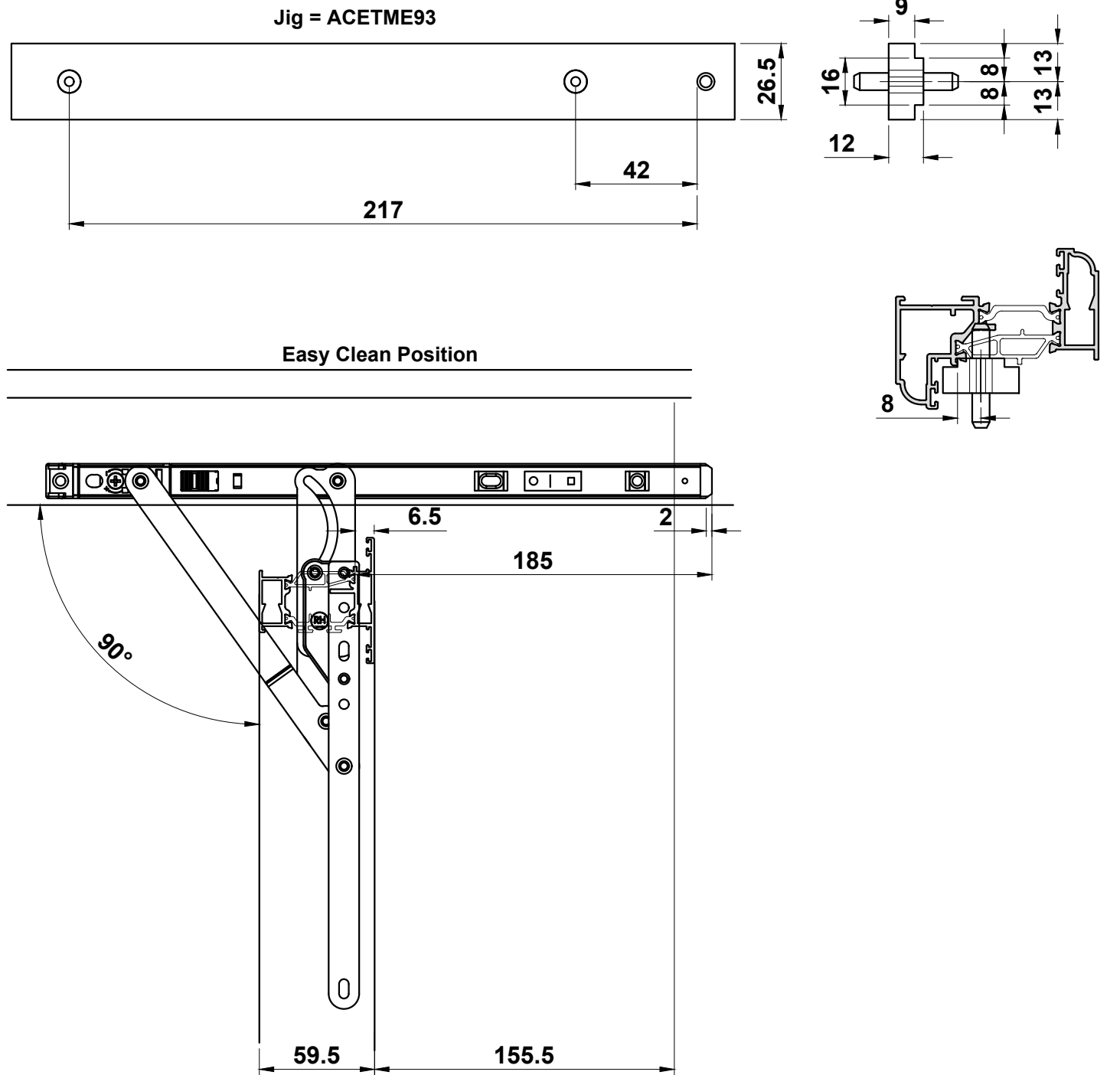
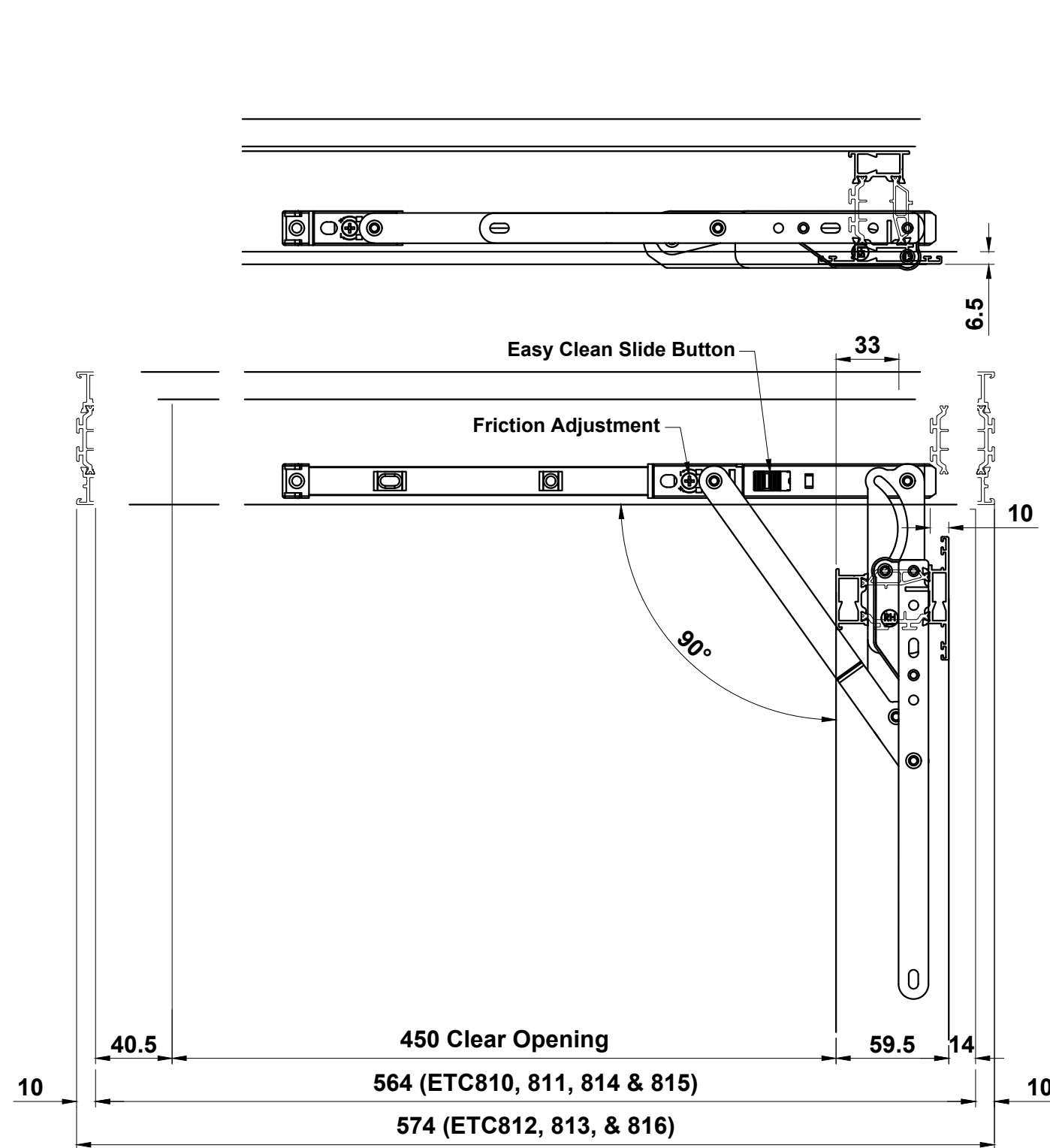


ACET070 = Recommended Screw for ETC821 & outerframe



ACET099 = Recommended Screw for ETC8201, ETC823, ETC824, ETC8250, ETC8255, ETC826, ETC827, ETC828 & ETC829

Easy Clean Fire Egress Stay



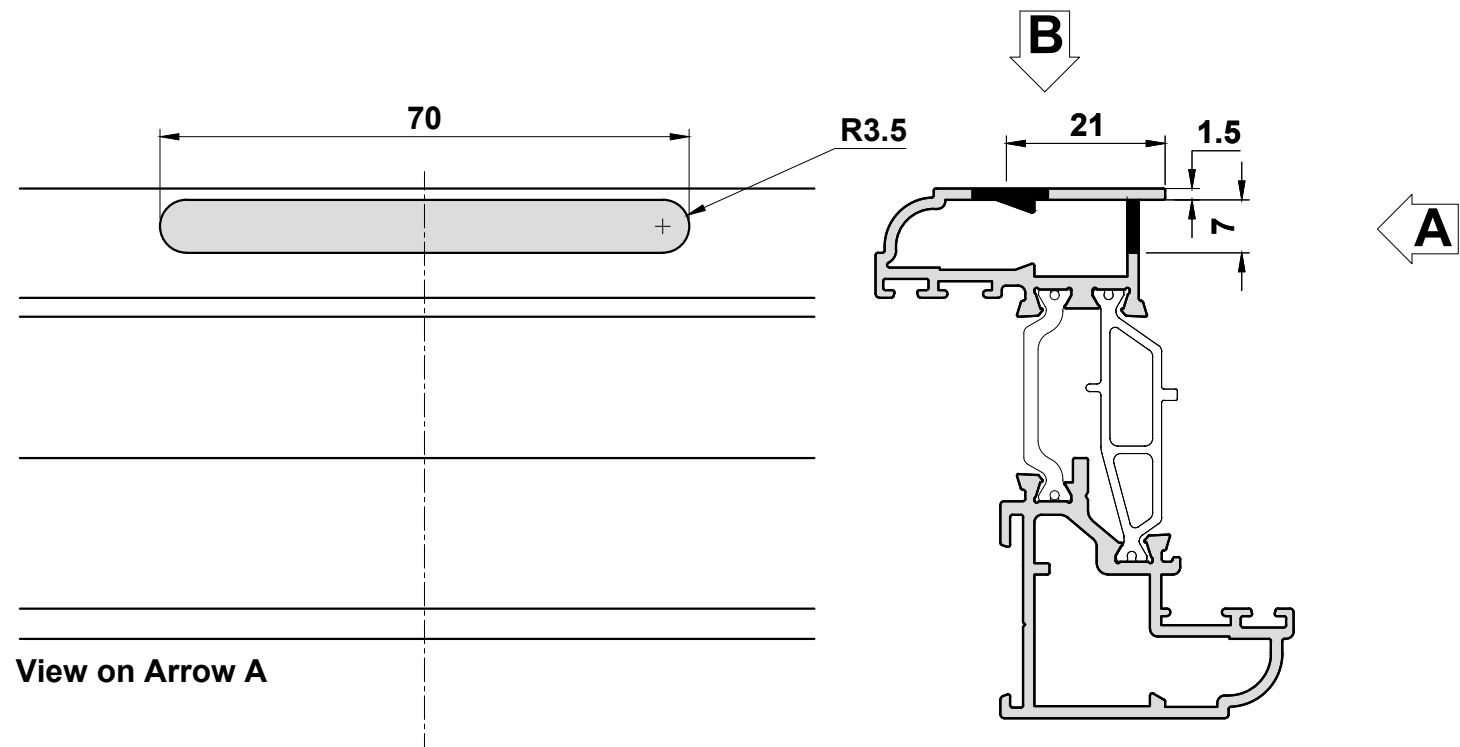
For further information regarding clear openings, please see the Smart Systems' White Paper Document B

Do Not Scale From This Drawing

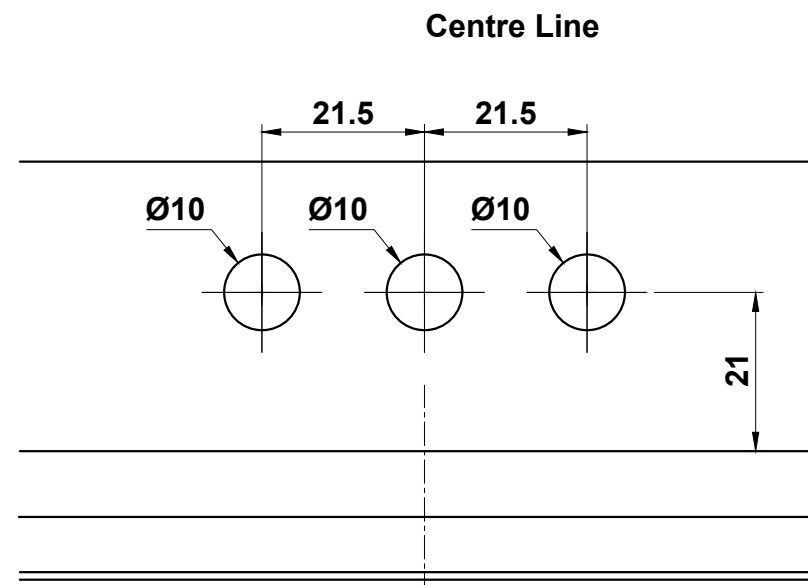
Espagnolette Locking Preparation

Part Code	Rod Length (mm)	Number of Keeps	Sash Rebate Size ('A')	
			Minimum	Maximum
ACET801L	335	2	340	505
ACET801R				
ACET802L	500	2	506	755
ACET802R				
ACET803L	750	2	756	1005
ACET803R				
ACET804L	1000	4	1006	1255
ACET804R				
ACET805L	1250	4	1256	1400
ACET805R				

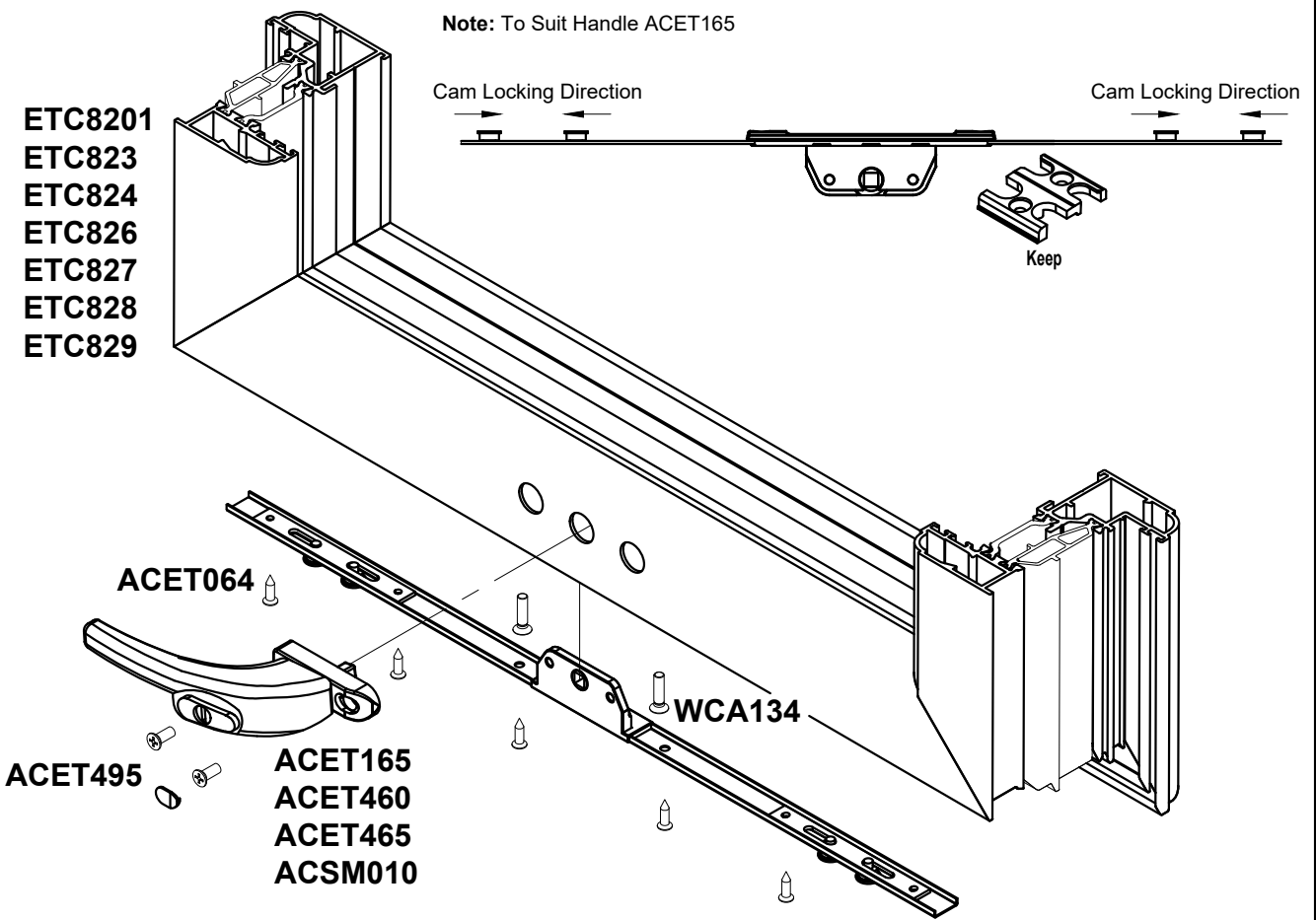
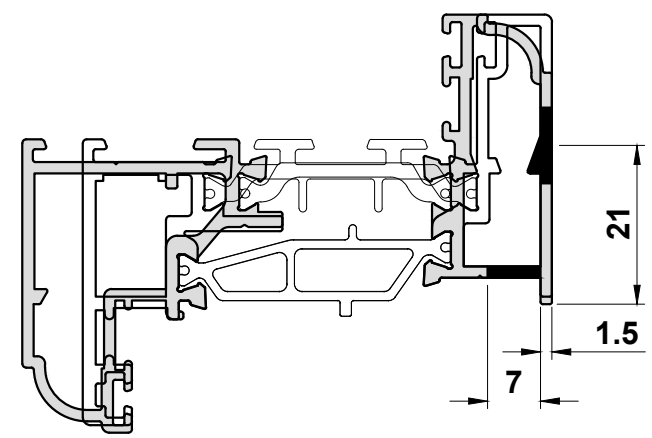
Note: To Suit Handle ACET165



View on Arrow A

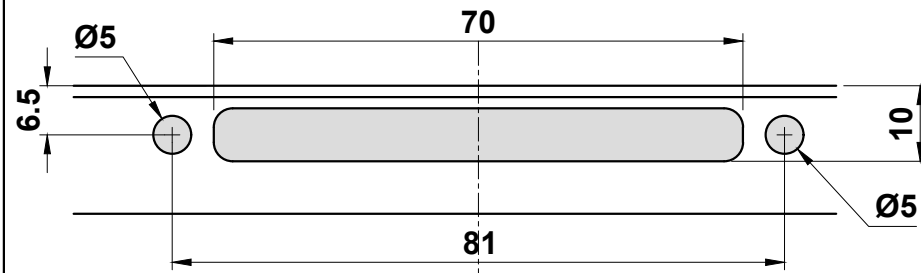


View on Arrow B



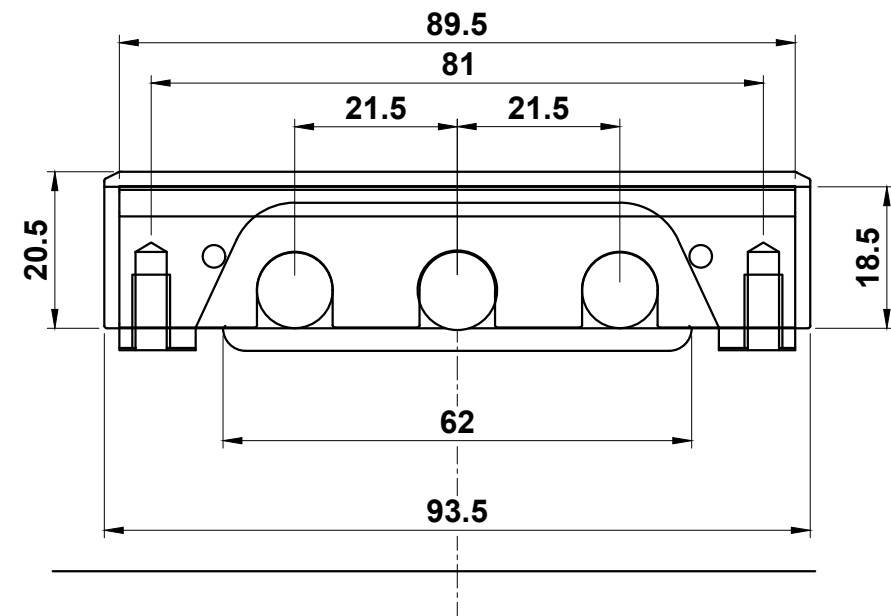
Do Not Scale From This Drawing

ETC8250 Shootbolt Locking Preparation

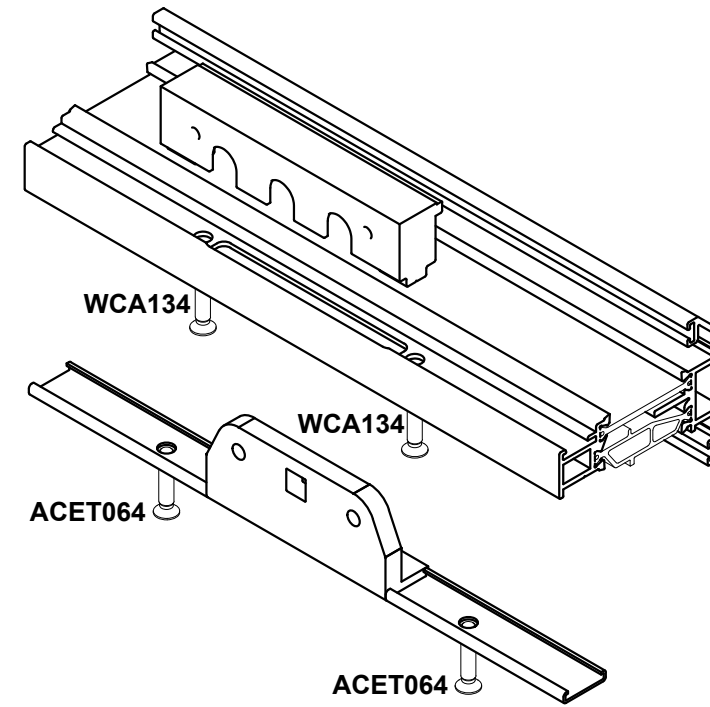
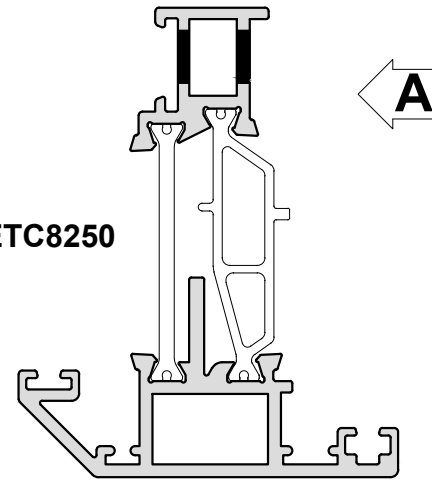


View on Arrow A

Centre Line

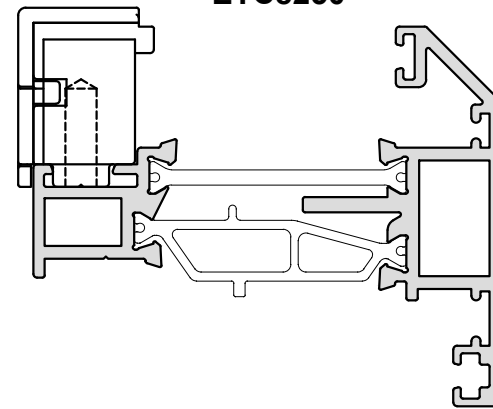


ETC8250



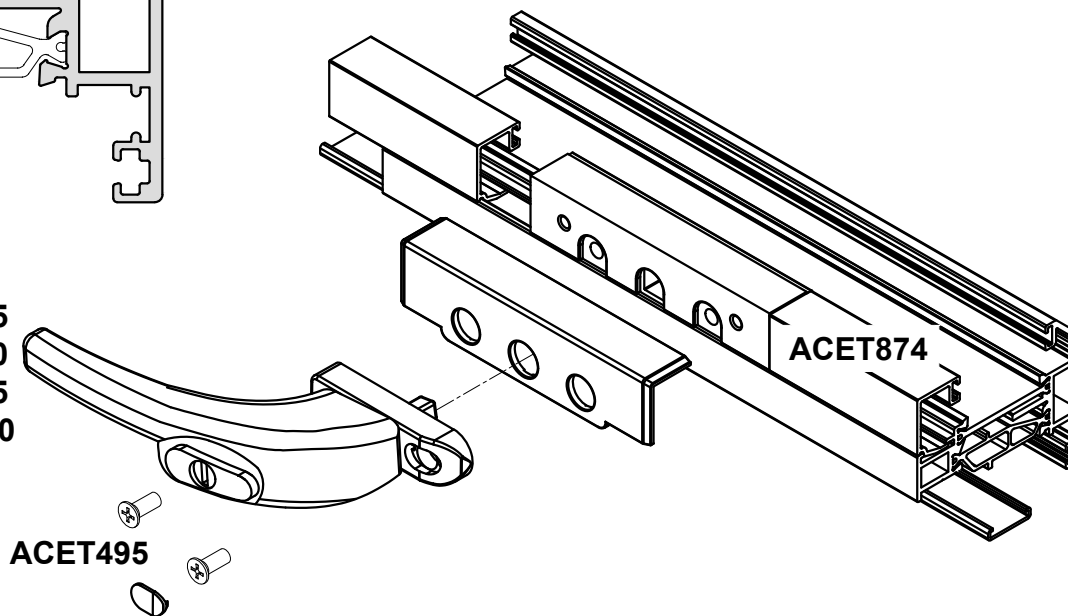
ACET874

ETC8250

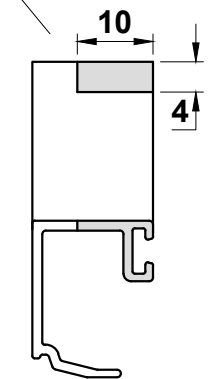
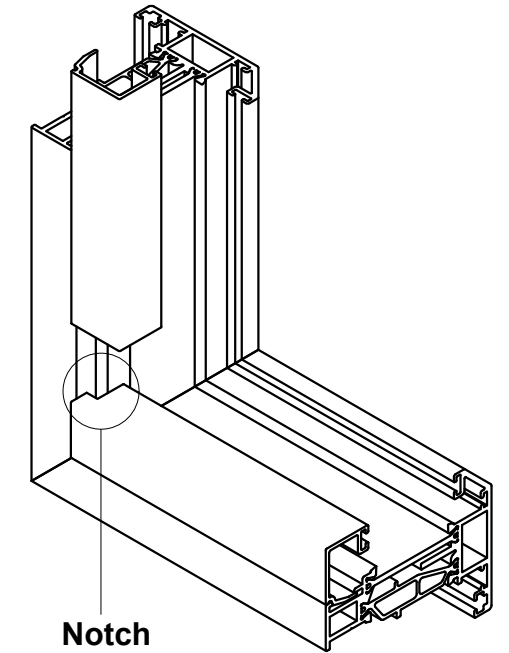


ACET165
ACET460
ACET465
ACSM010

ACET495



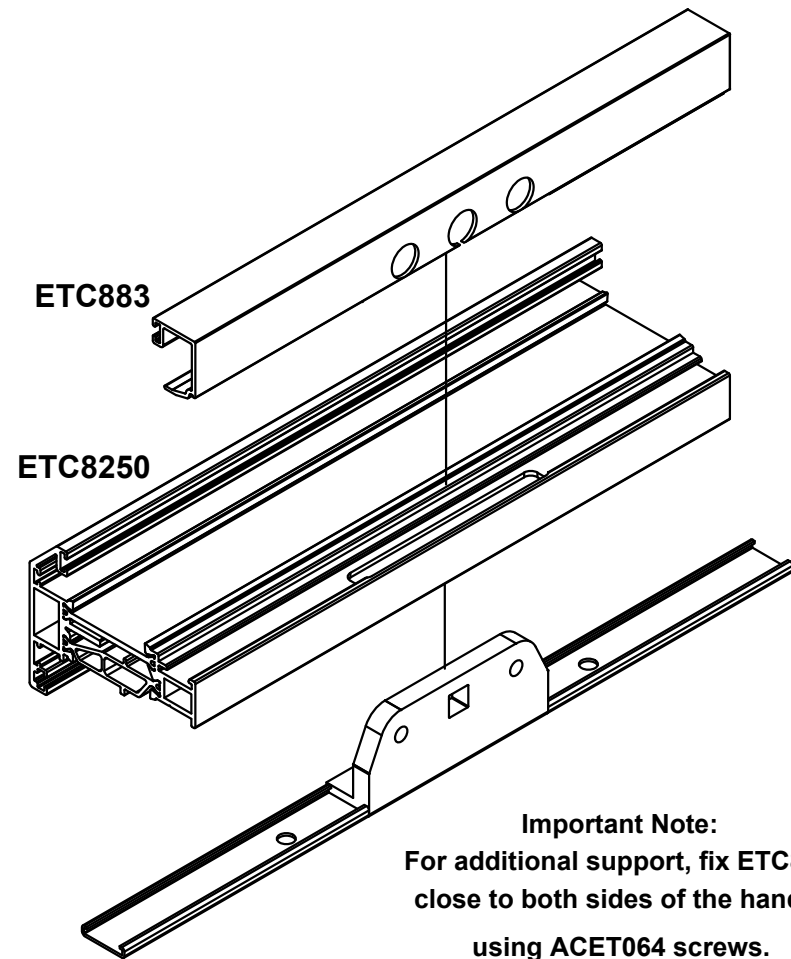
Notch
Horizontal Bead



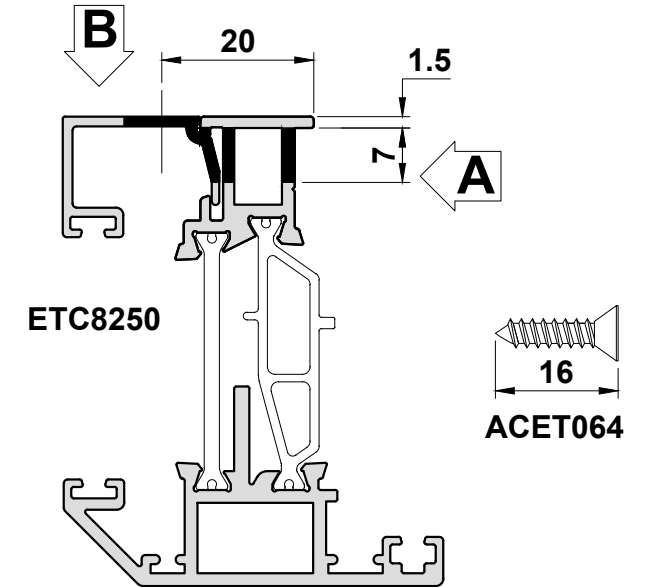
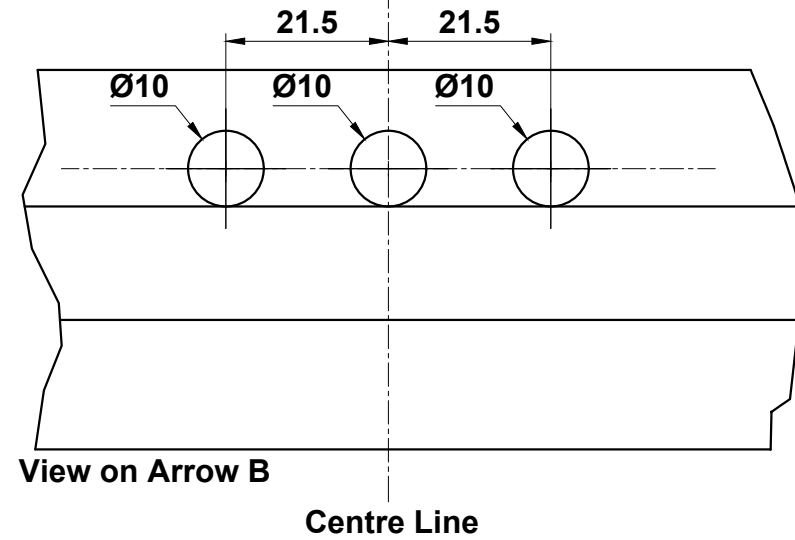
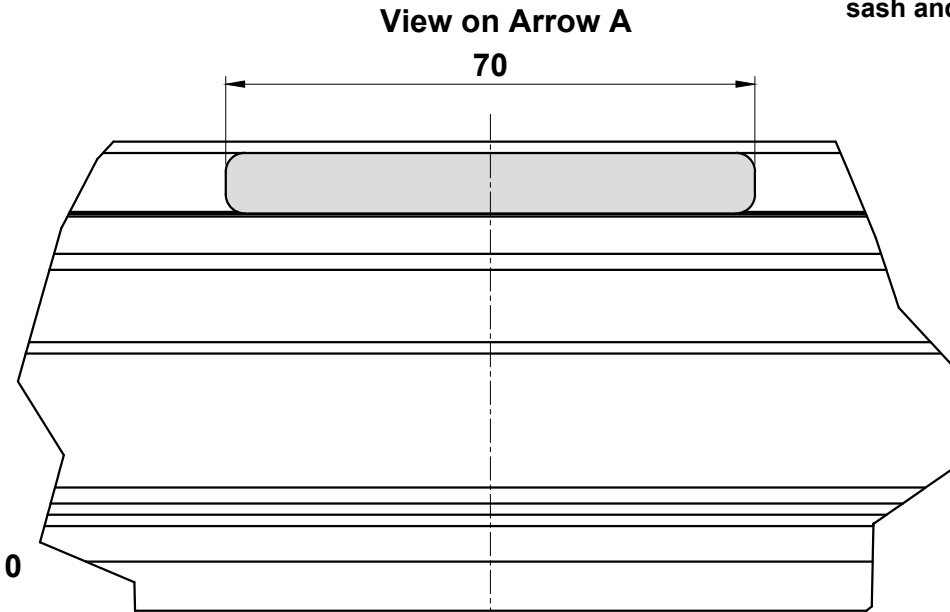
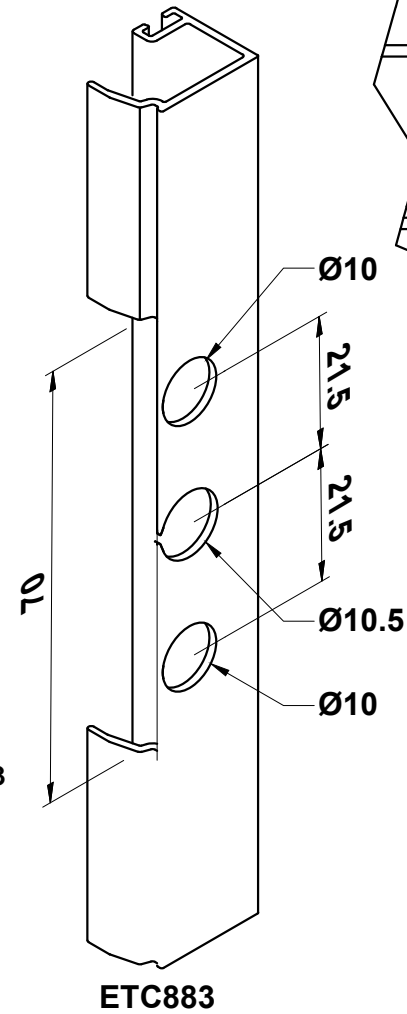
Do Not Scale From This Drawing

ETC8250 Shootbolt Locking Preparation Without Handle Block

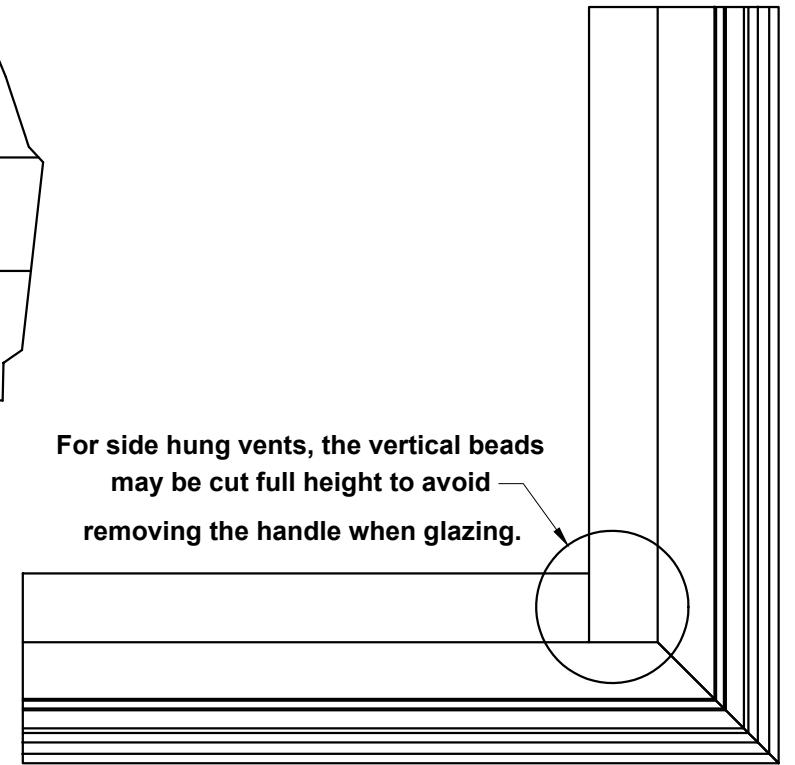
To aid fabrication ETC883 bead may be screwed to ETC8250 sash and machined as one section using ACET064 screws.



Important Note:
For additional support, fix ETC883 close to both sides of the handle using ACET064 screws.



For side hung vents, the vertical beads may be cut full height to avoid removing the handle when glazing.

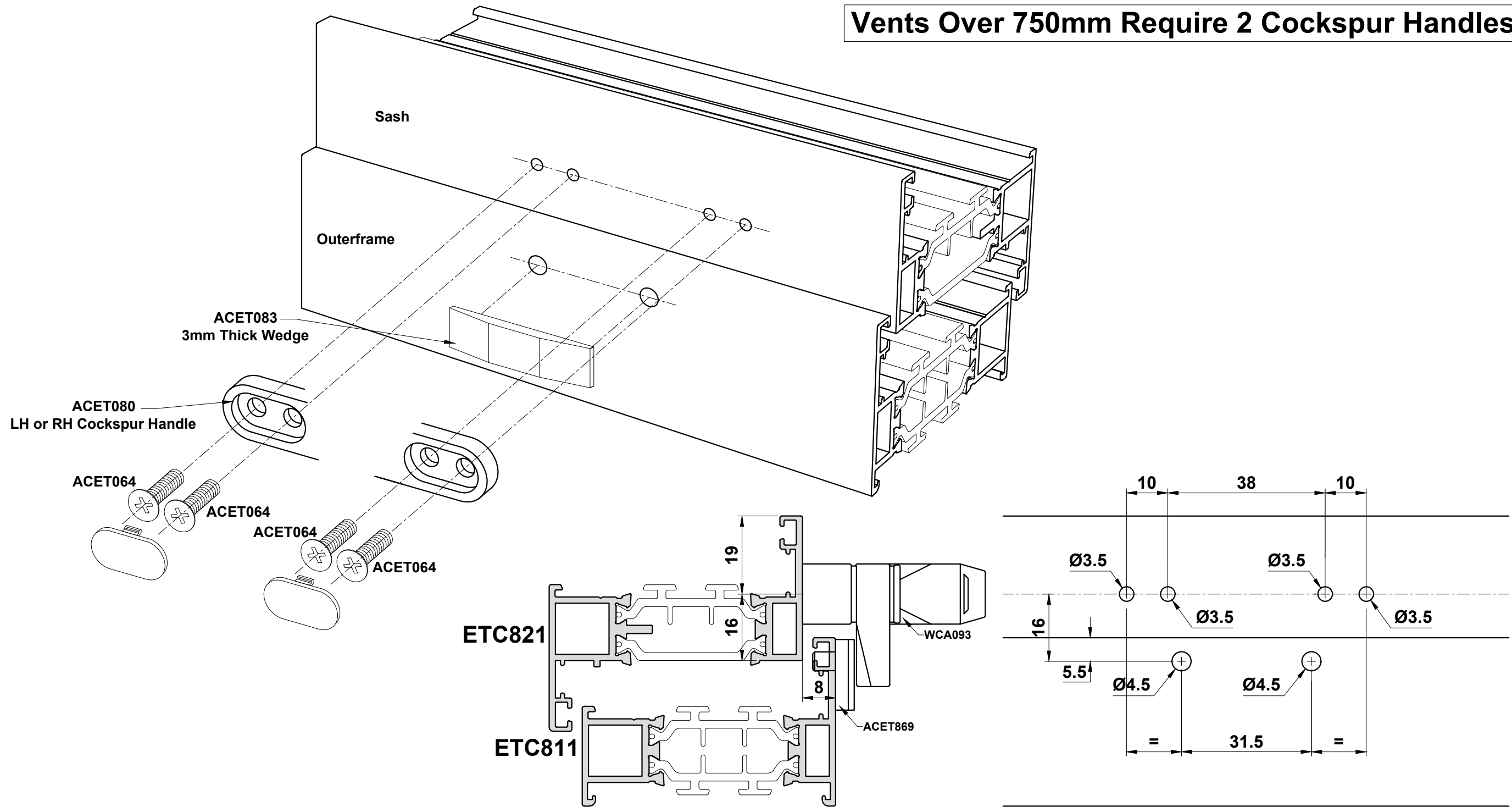


See previous page for bead notching detail

Do Not Scale From This Drawing

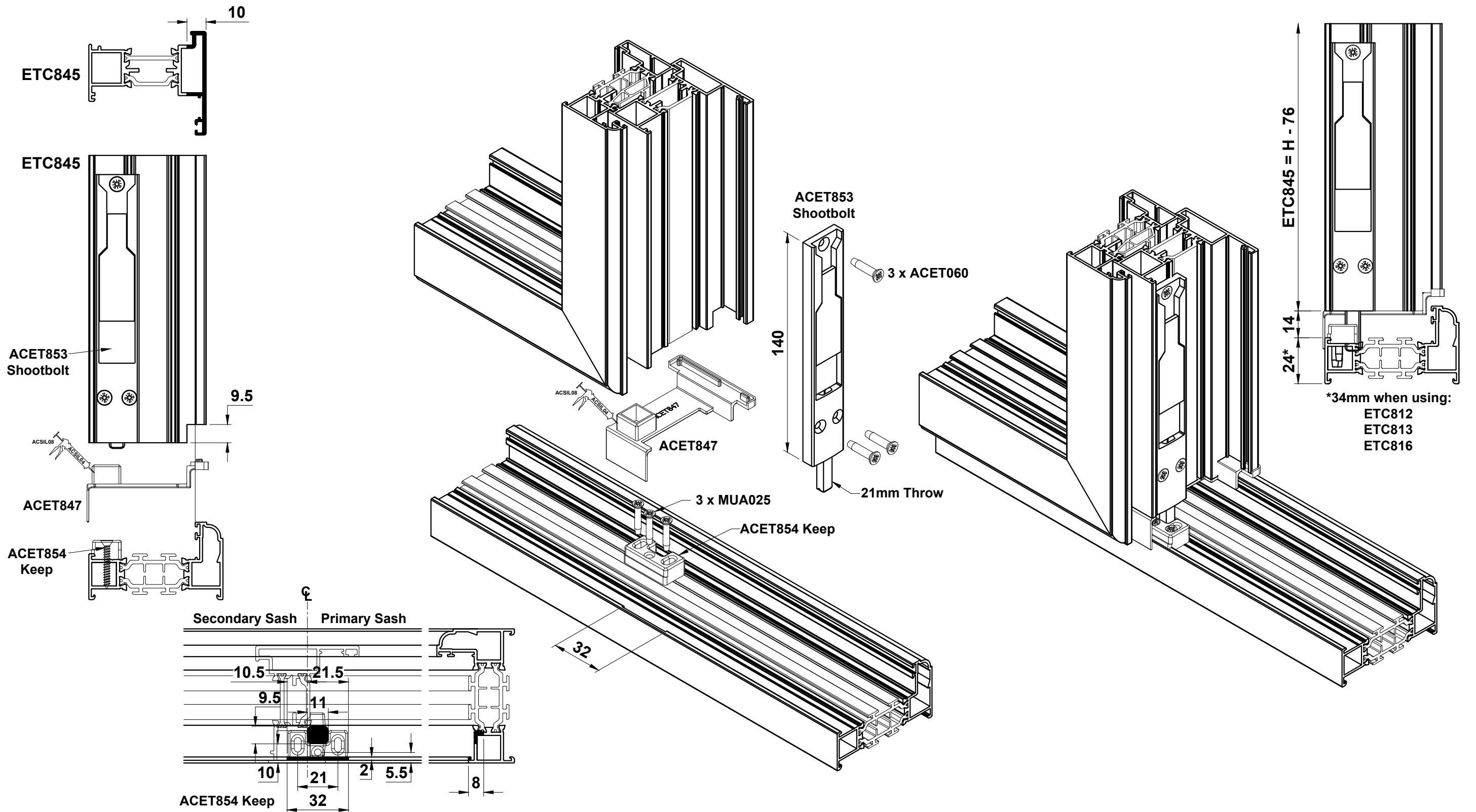
Cockspur Preparation

Vents Over 750mm Require 2 Cockspur Handles



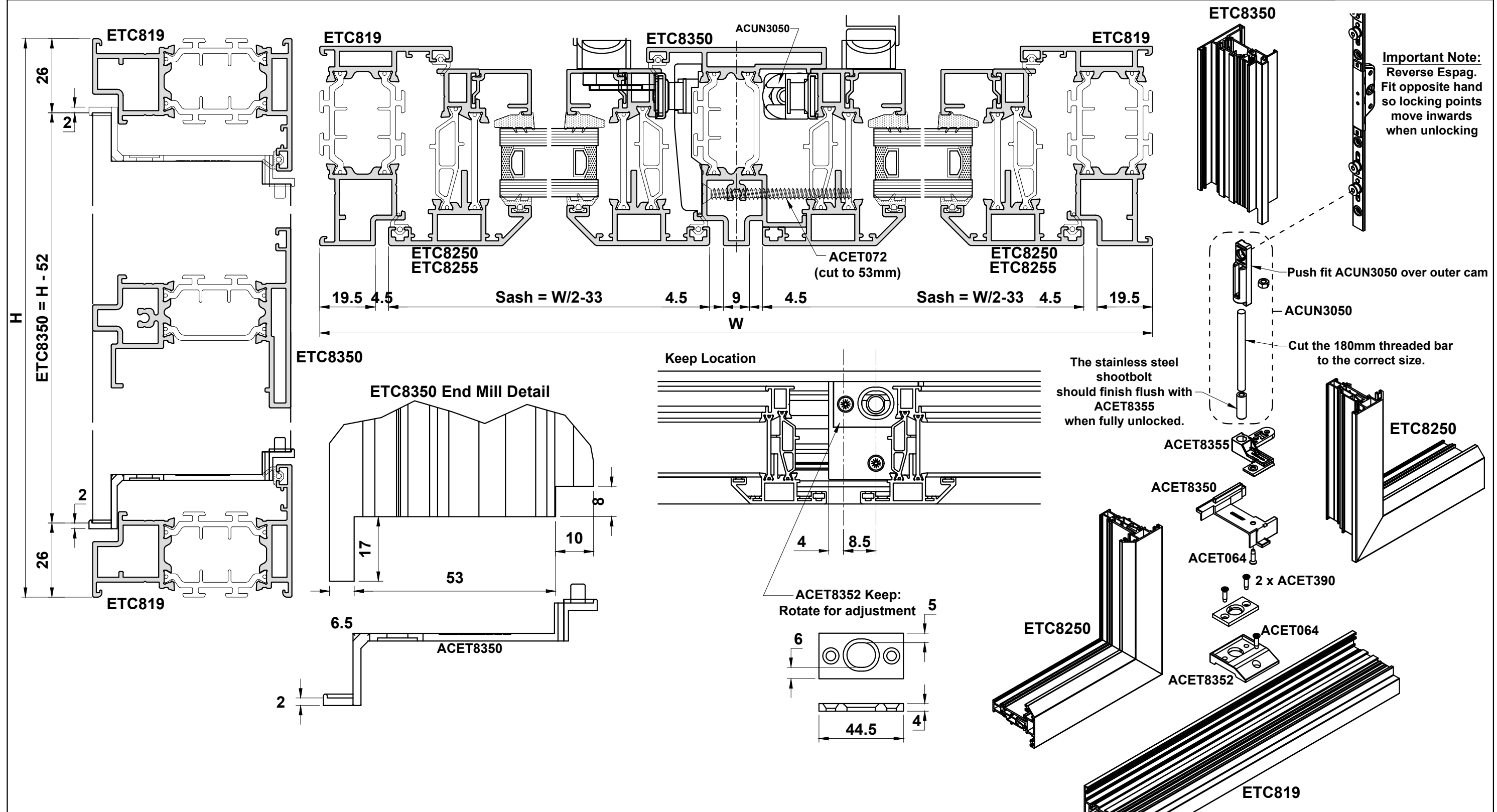
Do Not Scale From This Drawing

ETC845 & ETC853



Do Not Scale From This Drawing

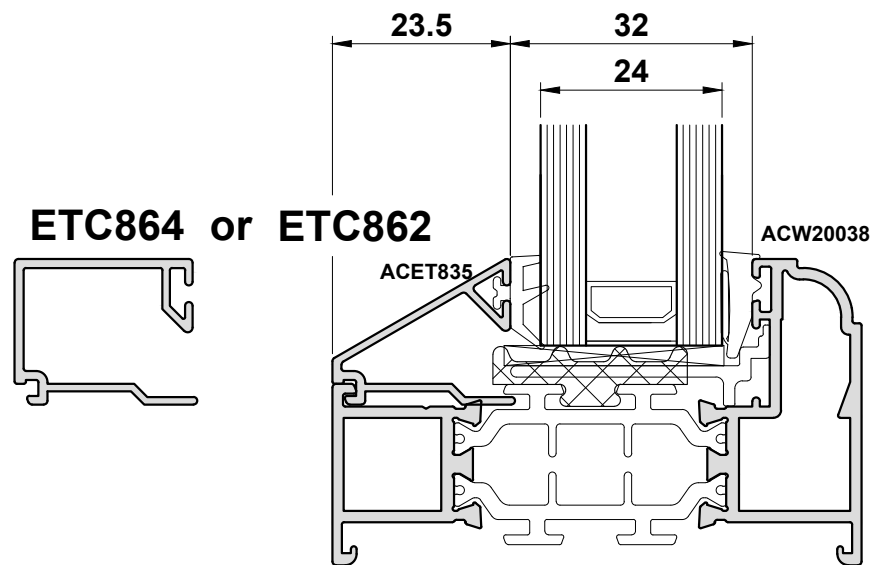
ETC8350 & ACET8350 End Cap Detail



Do Not Scale From This Drawing

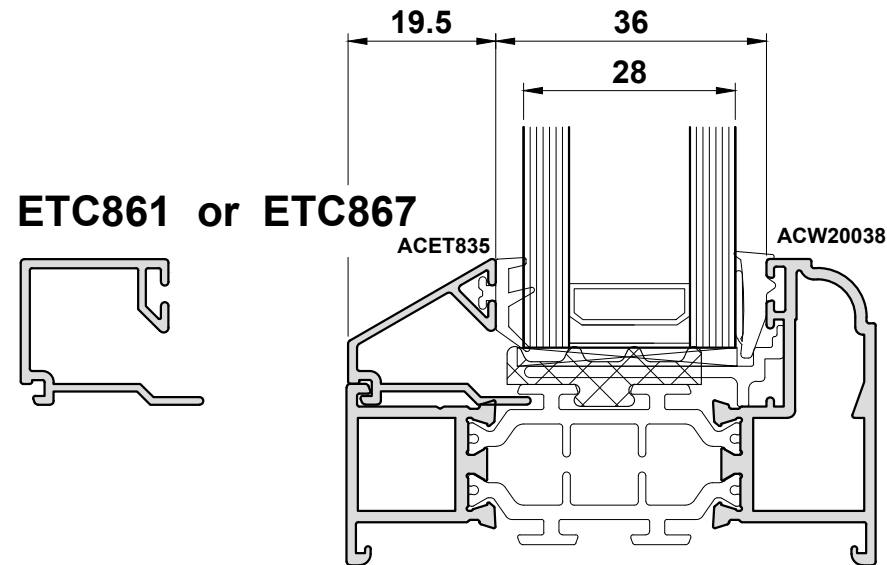
External Glazing Chart

**Externally Beaded Sections
24mm Glazing**



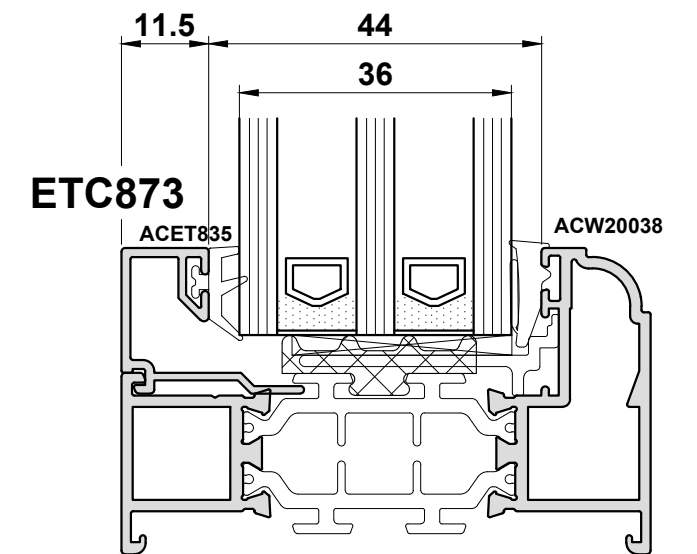
- ETC810 ETC8201 ETC830
- ETC811 ETC821 ETC832
- ETC812 ETC826 ETC834
- ETC813 ETC827
- ETC814 ETC828
- ETC815
- ETC816
- ETC817
- ETC819

**Externally Beaded Sections
28mm Glazing**



- ETC810 ETC8201 ETC830
- ETC811 ETC821 ETC832
- ETC812 ETC826 ETC834
- ETC813 ETC827
- ETC814 ETC828
- ETC815
- ETC816
- ETC817
- ETC819

**Externally Beaded Sections
36mm Glazing**

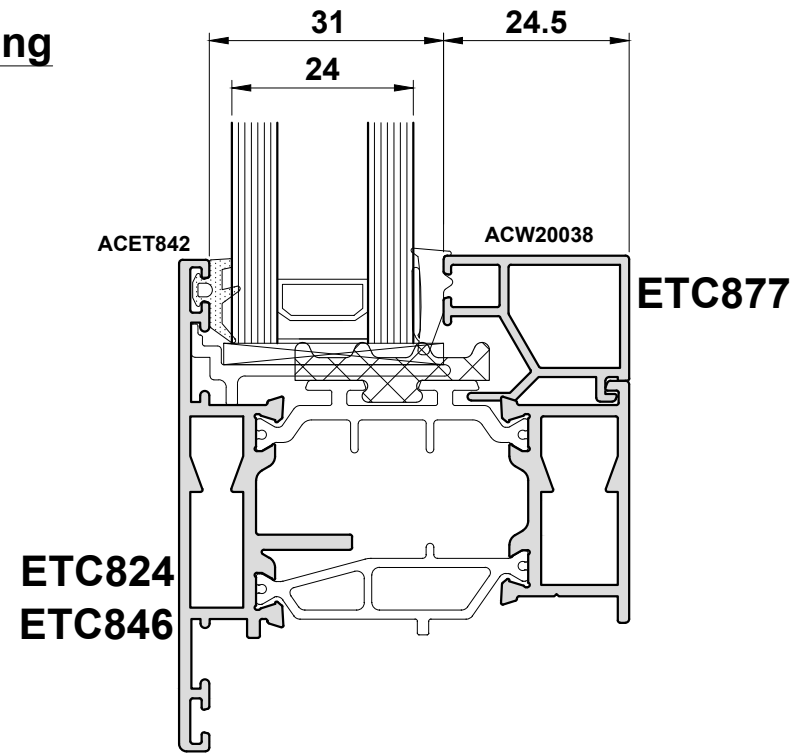


- ETC810 ETC8201 ETC830
- ETC811 ETC821 ETC832
- ETC812 ETC826 ETC834
- ETC813 ETC827
- ETC814 ETC828
- ETC815
- ETC816
- ETC817
- ETC819

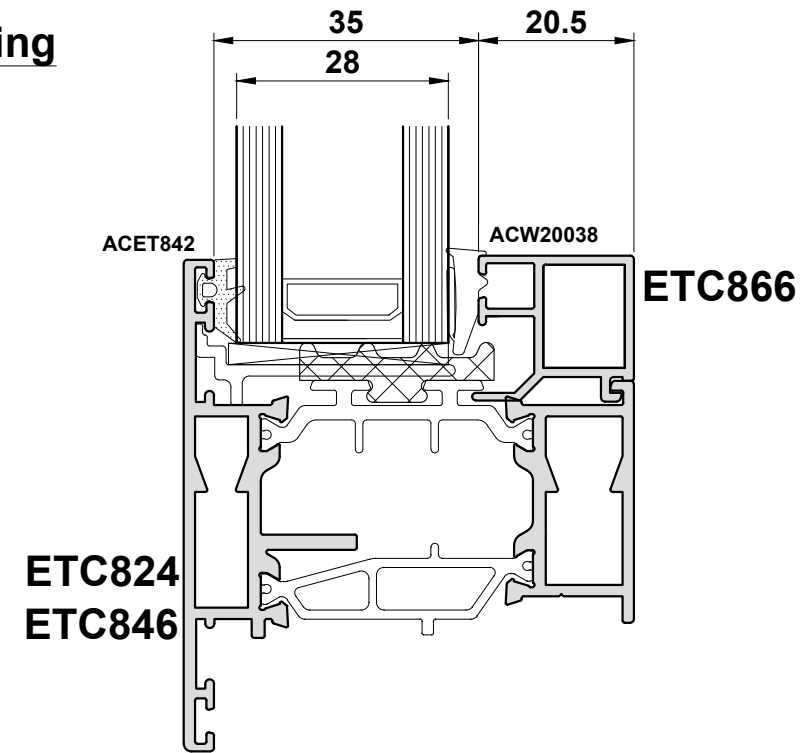
Do Not Scale From This Drawing

Internal Glazing Chart

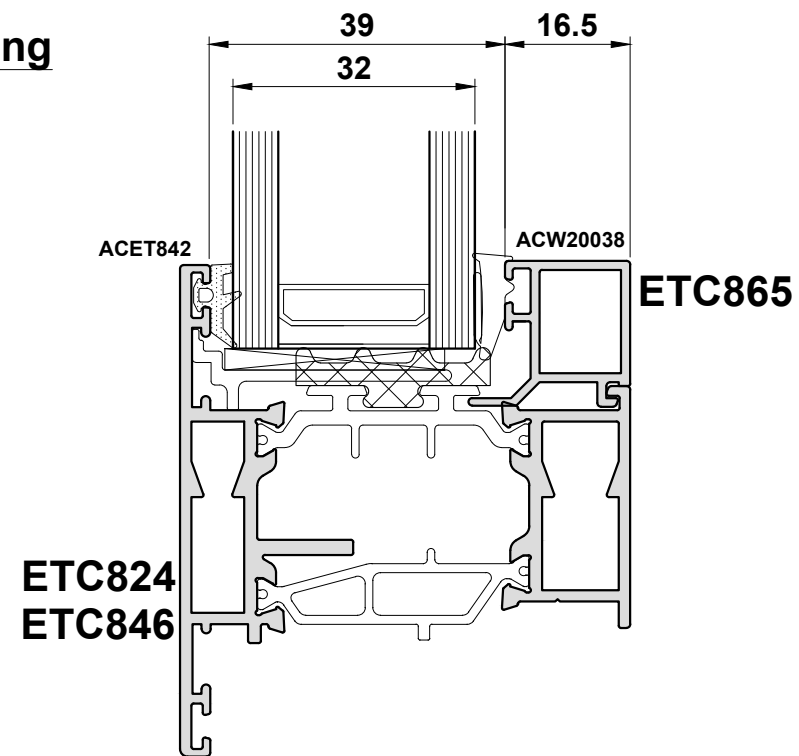
24mm Glazing



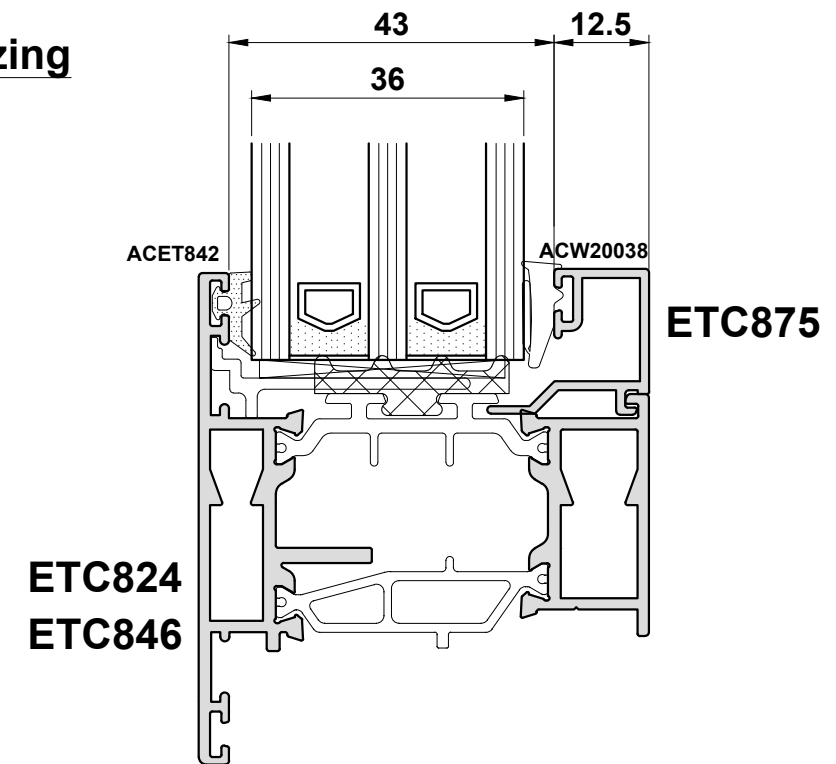
28mm Glazing



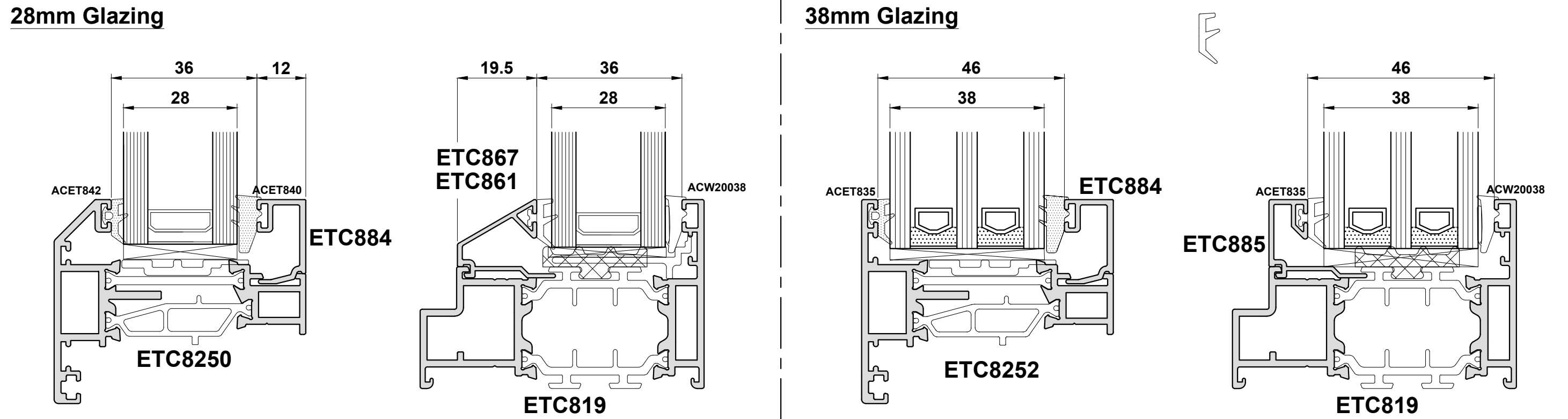
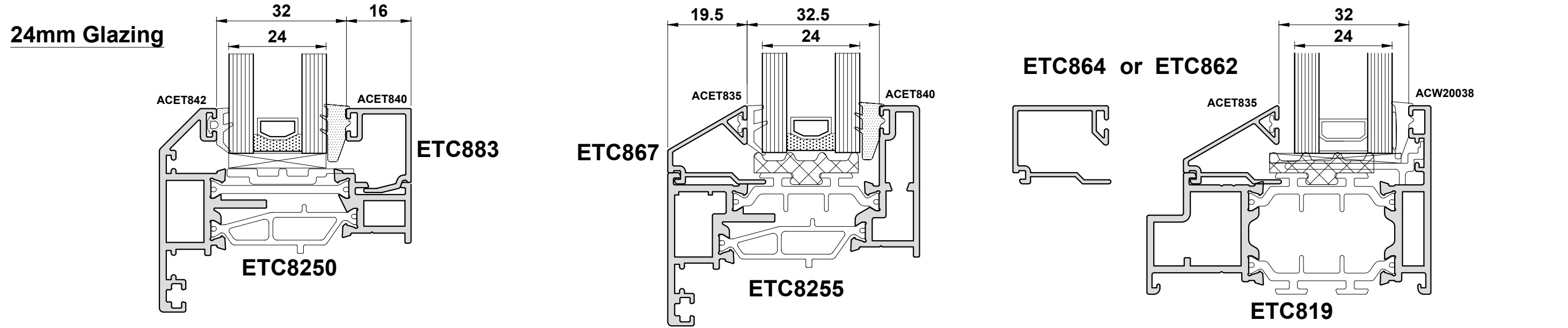
32mm Glazing



36mm Glazing

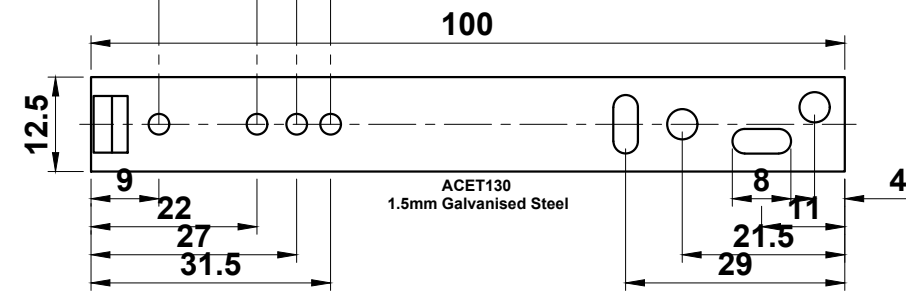
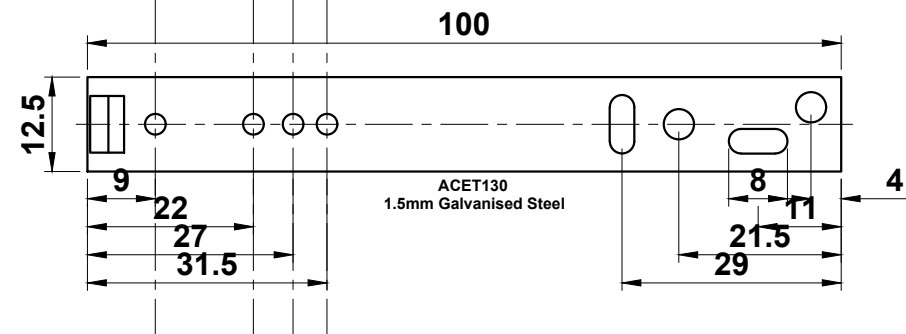
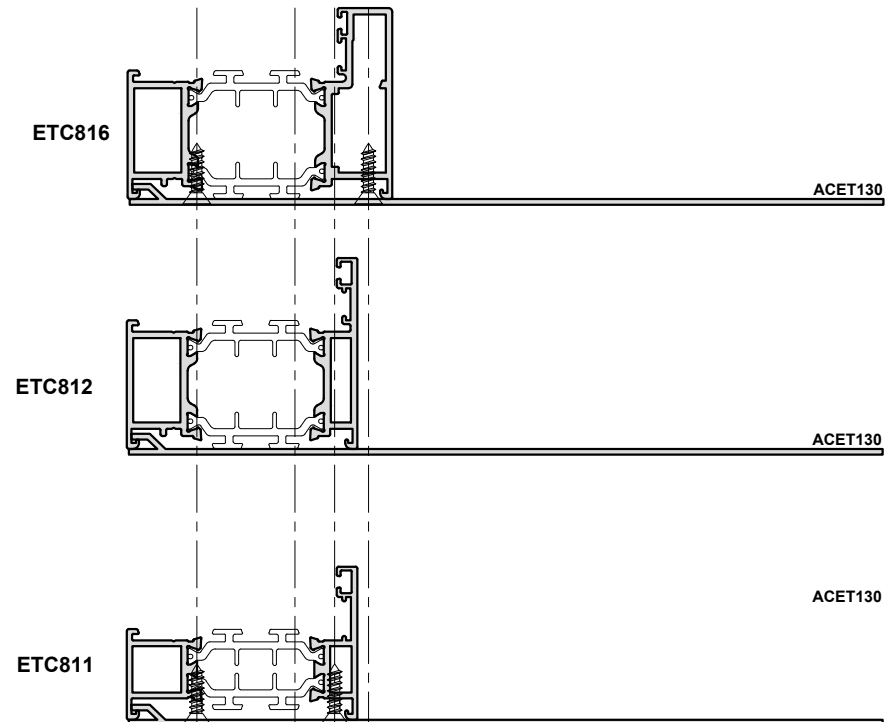
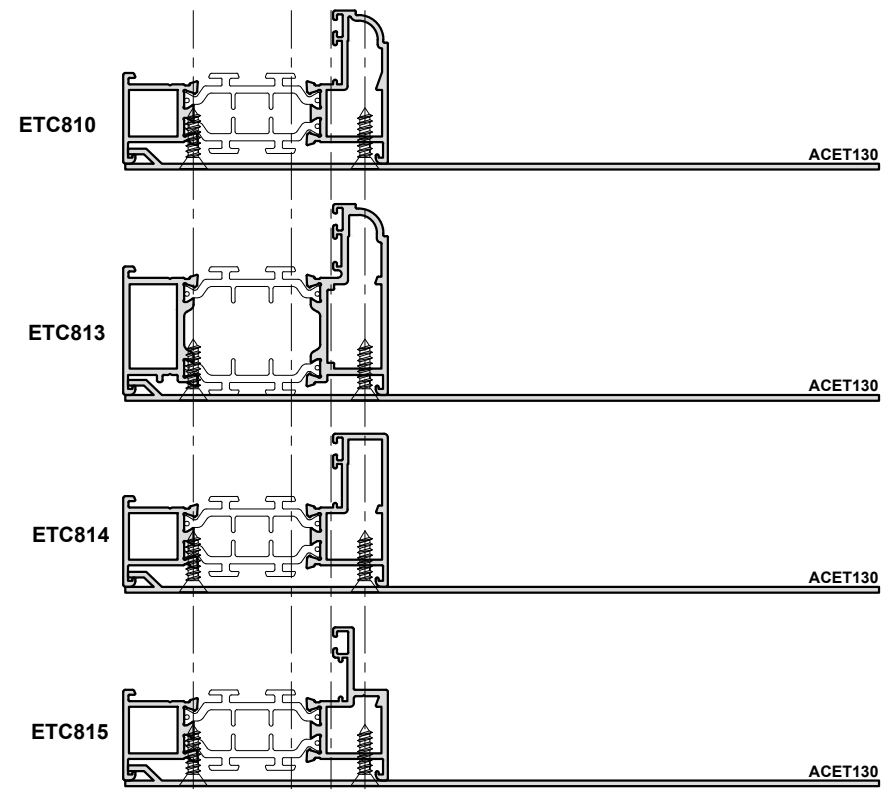


Glazing Chart for Flush Casement



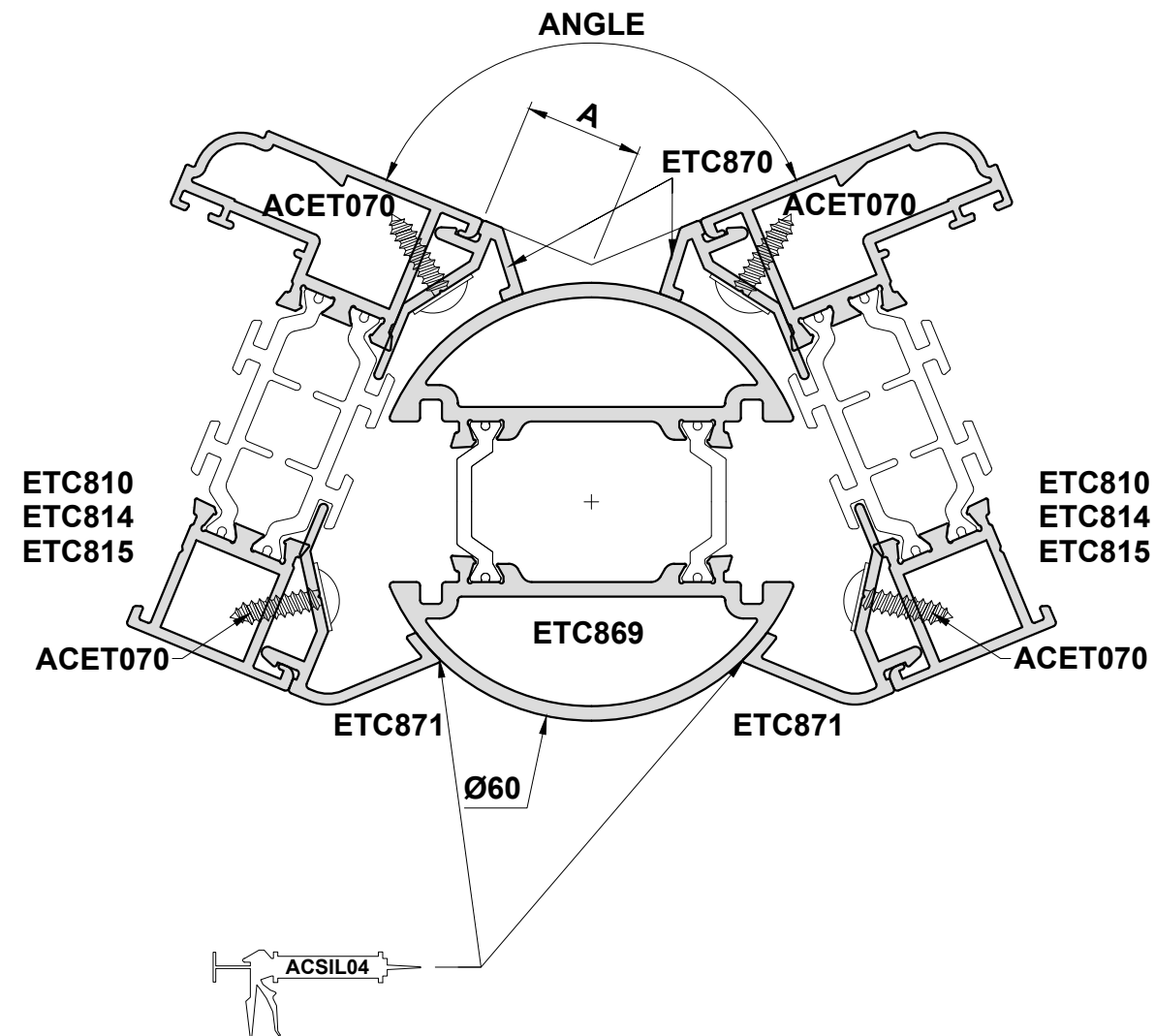
Fixing Strap Details

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



ETC870 & ETC871 Bay Pole Adaptors

Important Note: Seal all joints using ACSIL04.

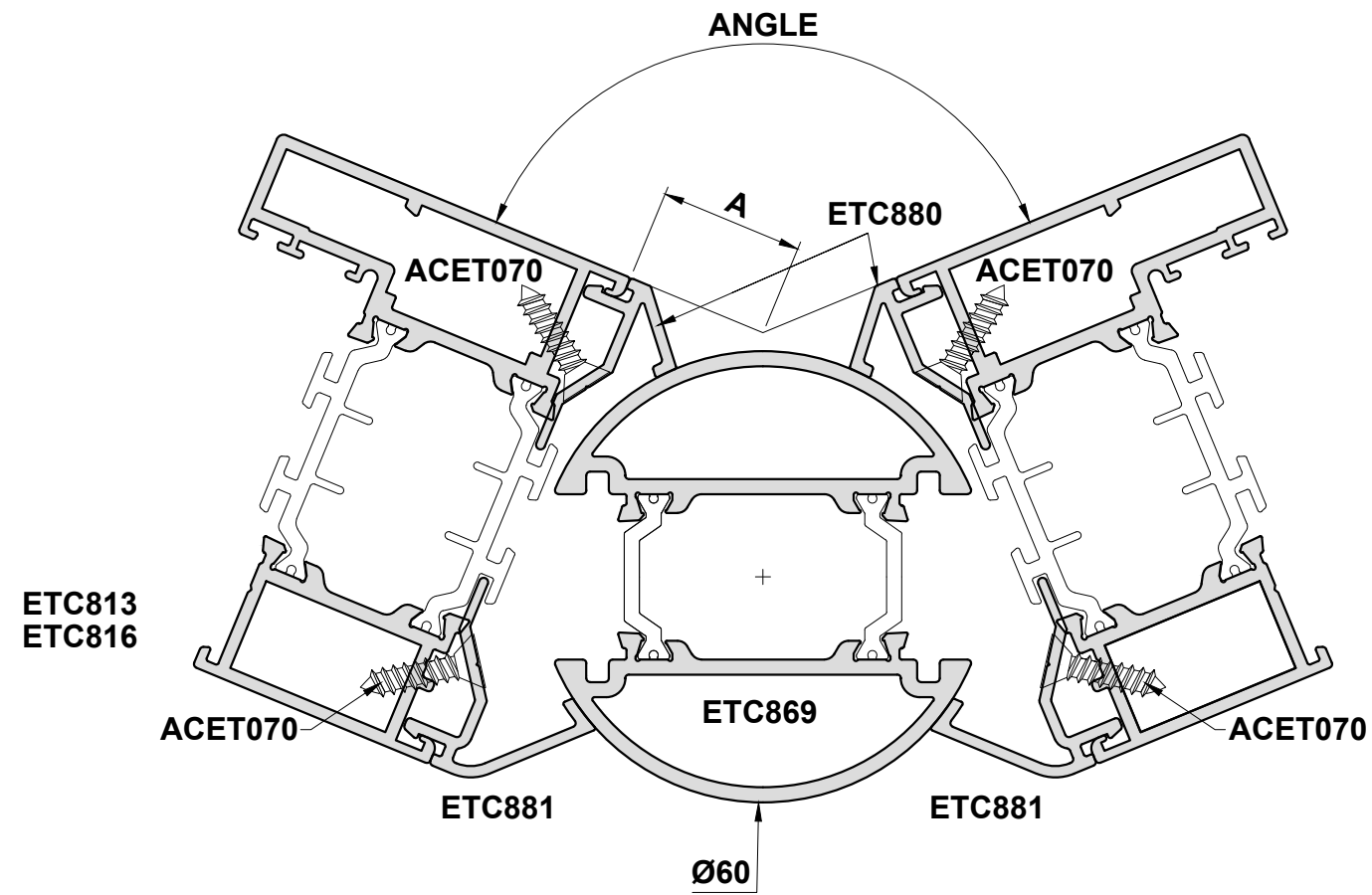


ANGLE	DEDUCTION 'A'
180°	28.5
175°	27
170°	26
165°	24.5
160°	23
155°	22
150°	20.5
145°	19
140°	17.5
135°	16
130°	14.5
125°	13
120°	11.5
115°	10.5
110°	7.5
105°	5.5
100°	3.5

Do Not Scale From This Drawing

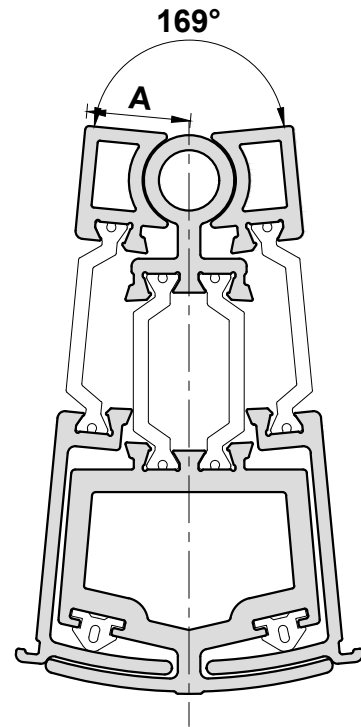
ETC880 & ETC881 Bay Pole Adaptors

Important Note: Seal all joints using ACSIL04.



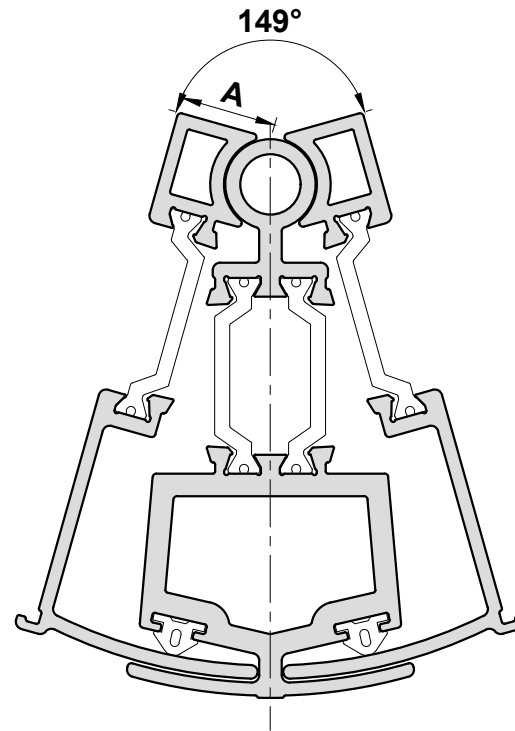
ANGLE	DEDUCTION 'A'
180°	31.5
175°	30
170°	29
165°	27.5
160°	26
155°	25
150°	23.5
145°	22
140°	20.5
135°	19
130°	17.5
125°	16
120°	14
115°	12.5
110°	10.5
105°	8.5
100°	6.5

70mm Baypole Configuration

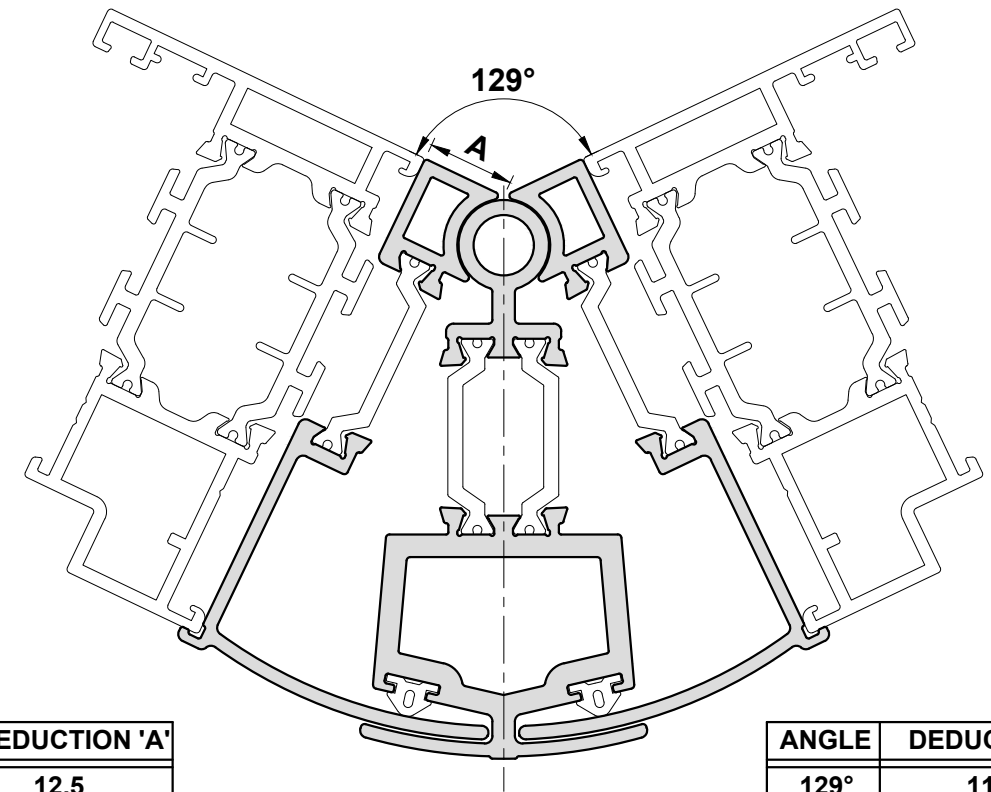


Important Note:
All joints must be adequately sealed using ACSIL04

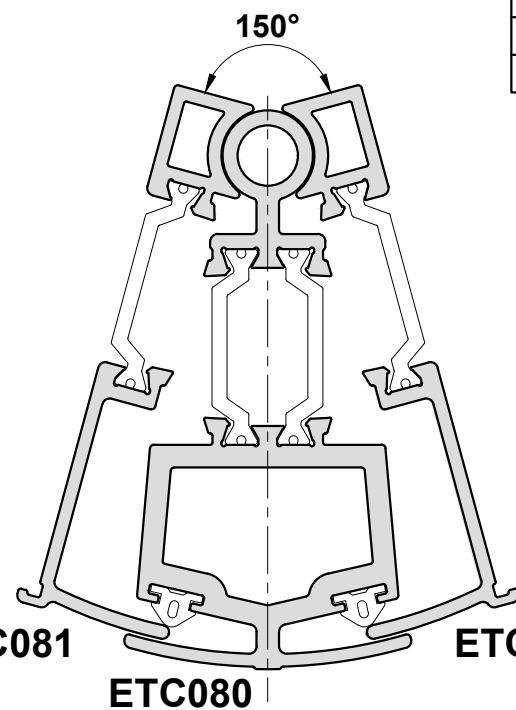
ANGLE	DEDUCTION 'A'
169°	14
165°	13.5
160°	13.6
155°	13
150°	13



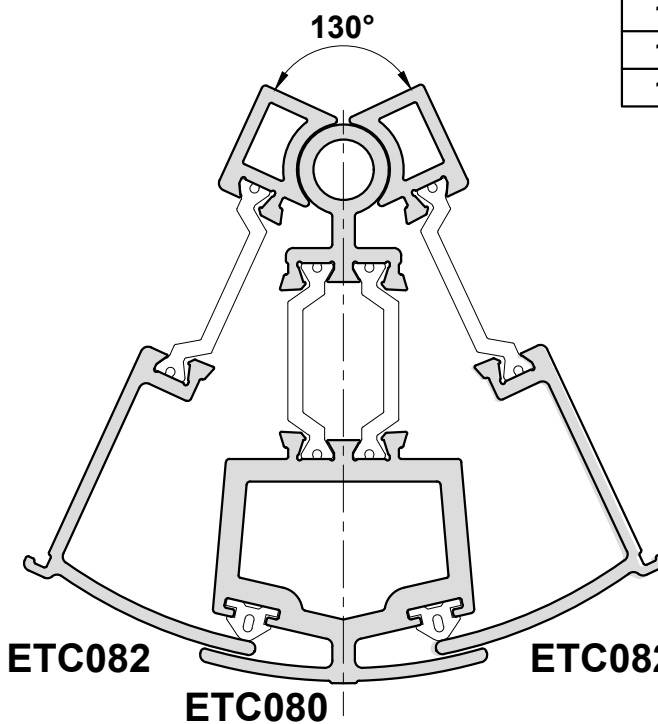
ANGLE	DEDUCTION 'A'
149°	12.5
145°	12.5
140°	12
135°	12
130°	11.5



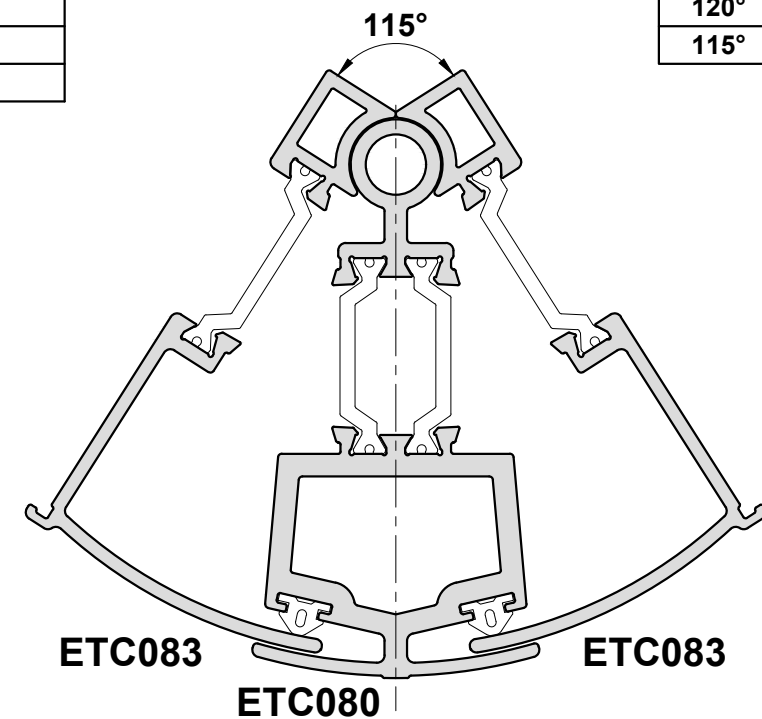
ANGLE	DEDUCTION 'A'
129°	11.5
125°	11.5
120°	11
115°	10.5



ETC081 ETC081
ETC080



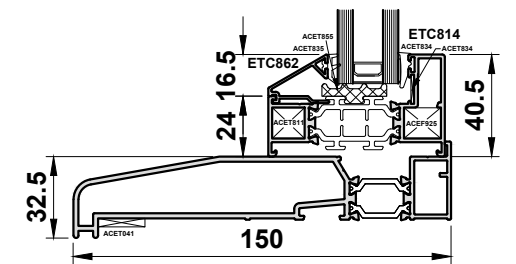
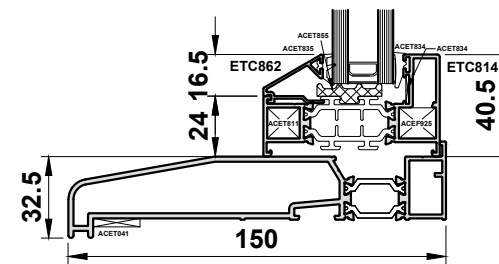
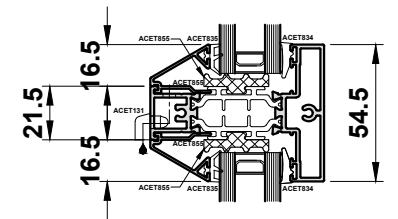
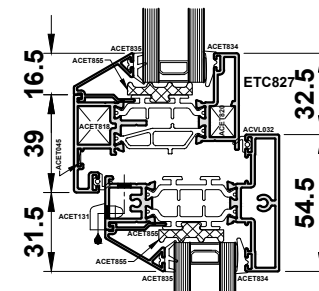
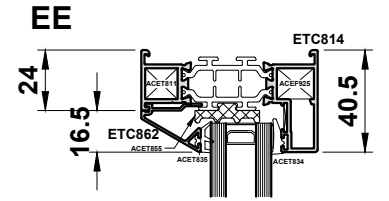
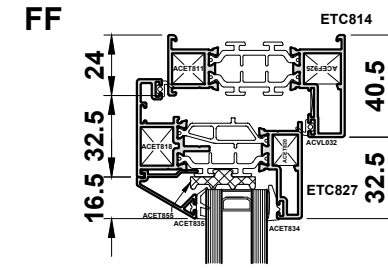
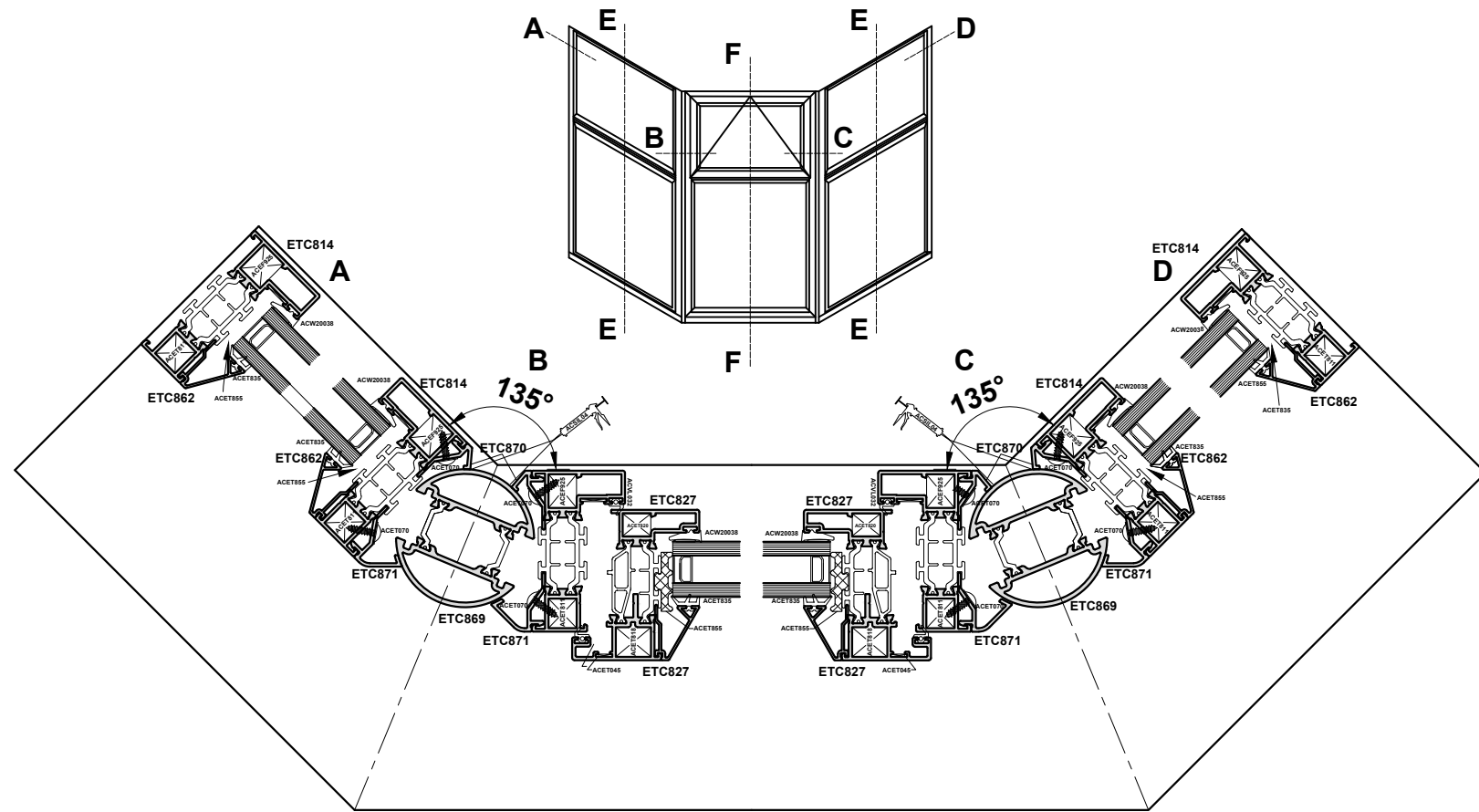
ETC082 ETC082
ETC080

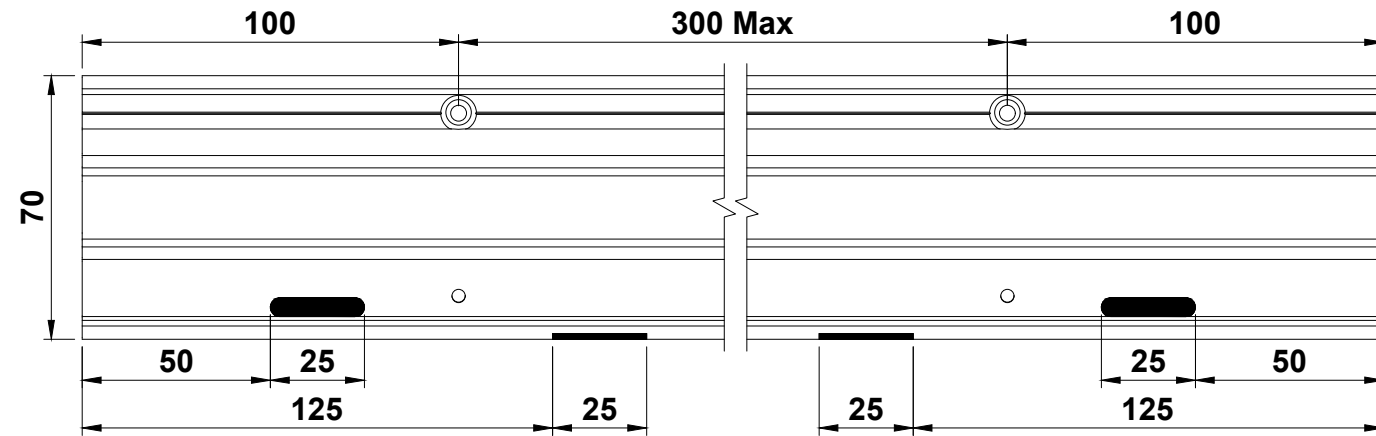


ETC083 ETC083
ETC080

Do Not Scale From This Drawing

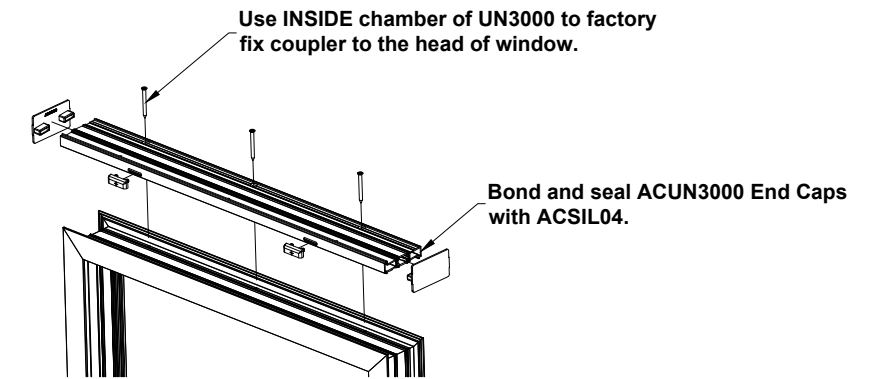
Baypole Configuration



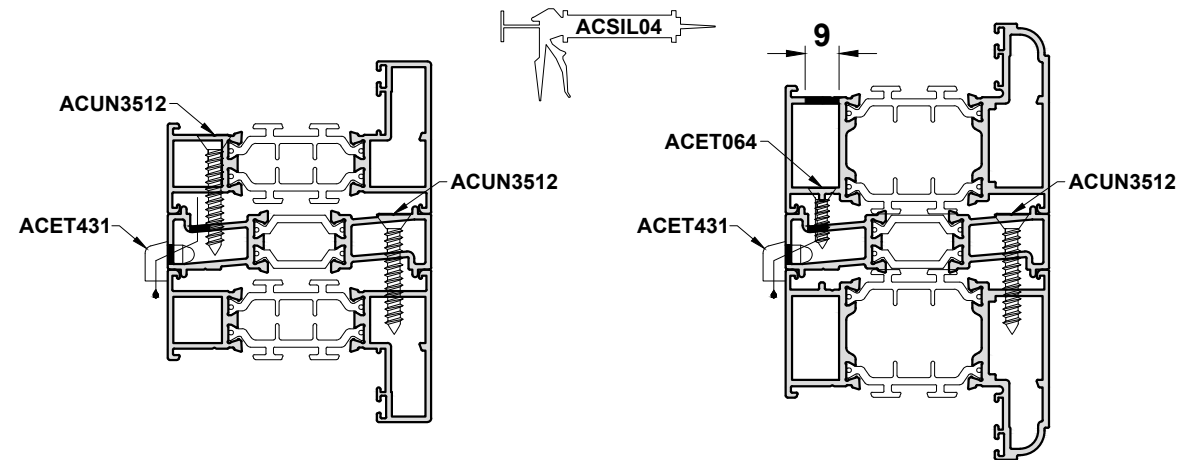


Zone Drainage of Jamb Cavity

CWCT Built up wall guidance recommends drainage of Jamb Cavity



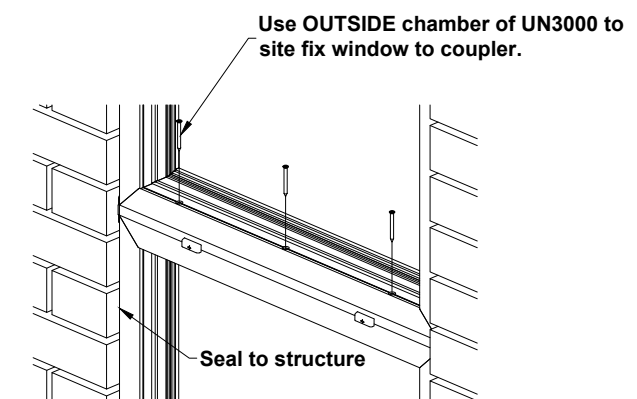
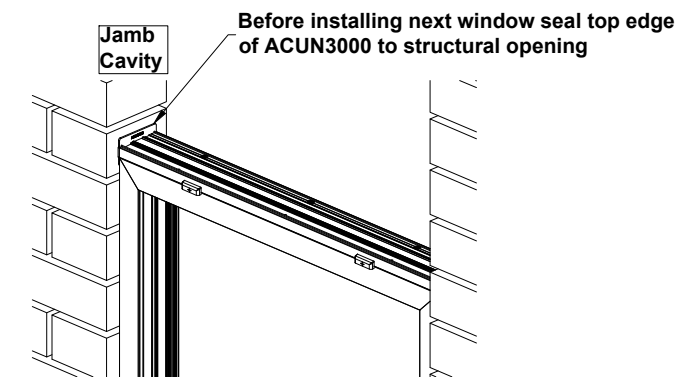
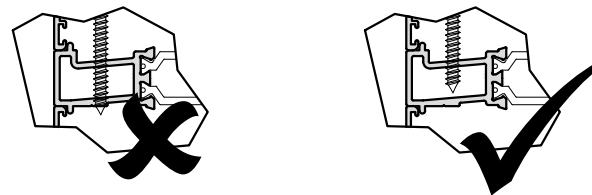
Important Note: Seal all joints to UN3000 using ACSIL04.



**ETC810
ETC814
ETC815**

**ETC813
ETC816**

Important Note: Do not screw through drainage channel.



Do Not Scale From This Drawing



Section F

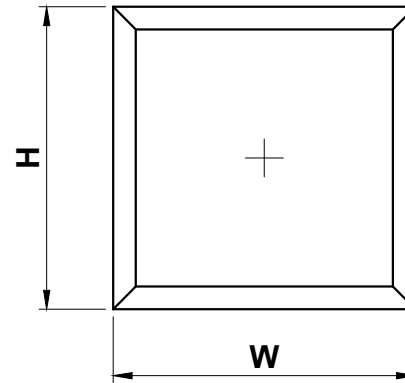
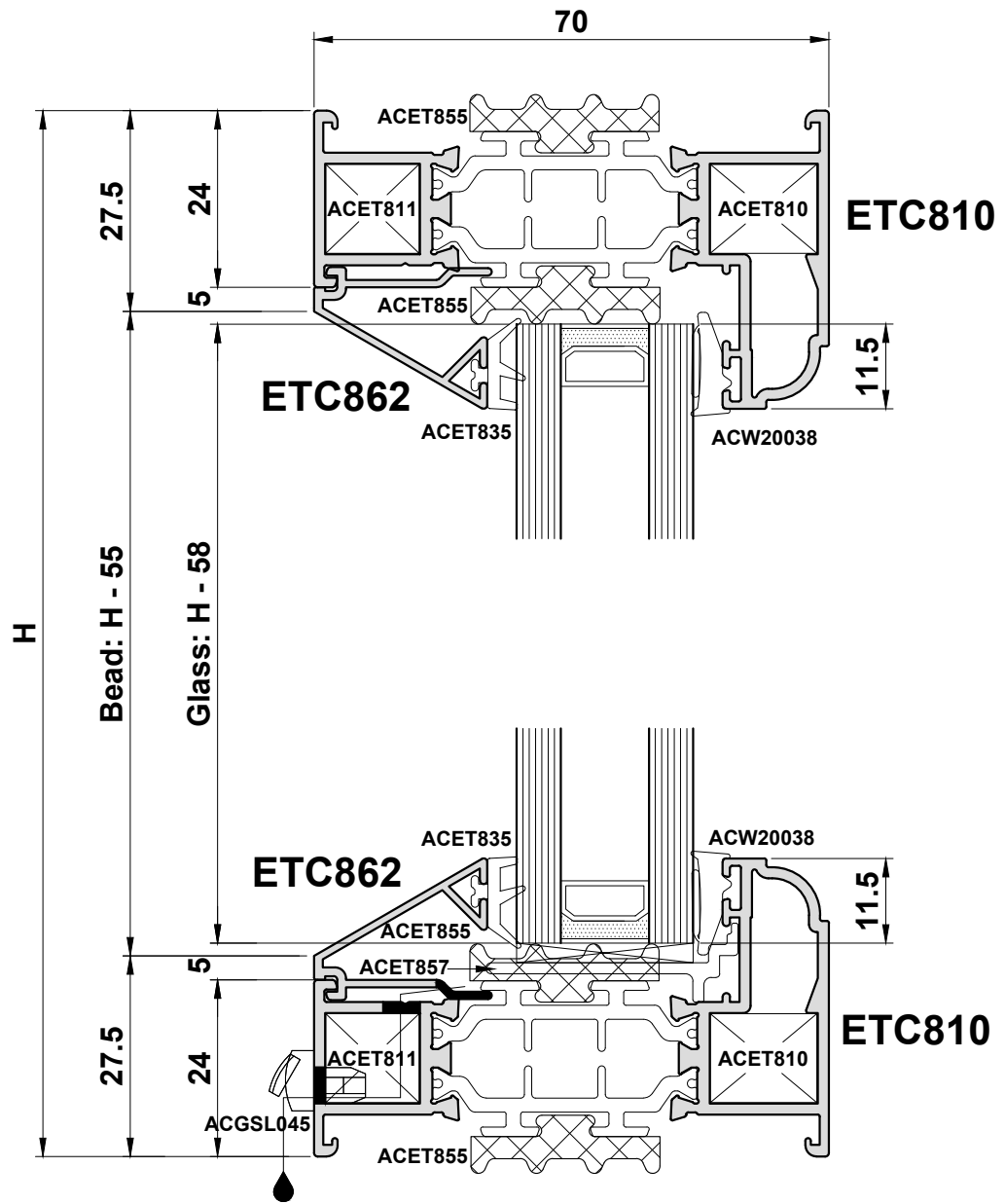


Sawing Tables

1	-	Fixed Light.....	Page F03
2	-	Ext. Glazed Single Casement.....	Page F04
3	-	Ext. Glazed Single Casement Adjacent to Fixed Light.....	Page F05
4	-	Int. Glazed Single Casement.....	Page F06
5	-	Int. Glazed Single Casement Adjacent to Fixed Light.....	Page F07
6	-	Flush Single Casement.....	Page F08
7	-	Flush Single Casement Adjacent to Fixed light.....	Page F09

Section F

Sample 1 - Cutting Information

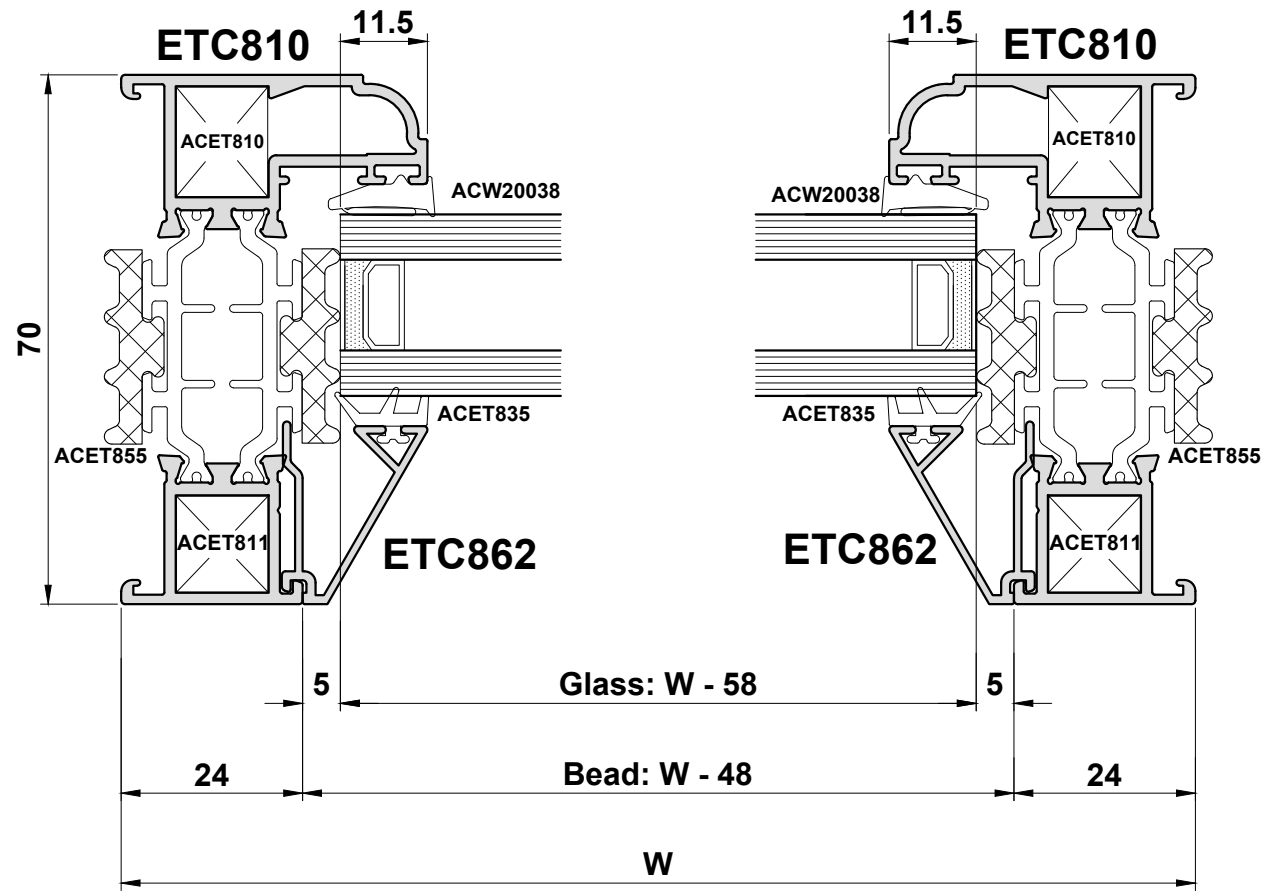


Profile Cutting Schedule

Part No.	Detail	QTY	Cutting Angle	Size
ETC810		2		W
ETC810		2		H
ETC862		2		W-48
ETC862		2		H-55

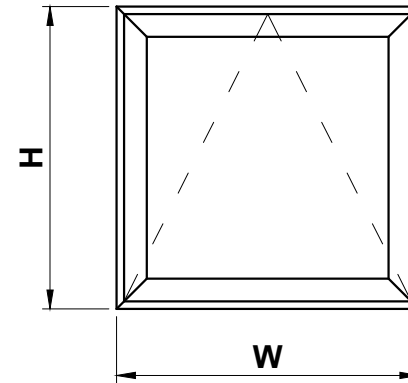
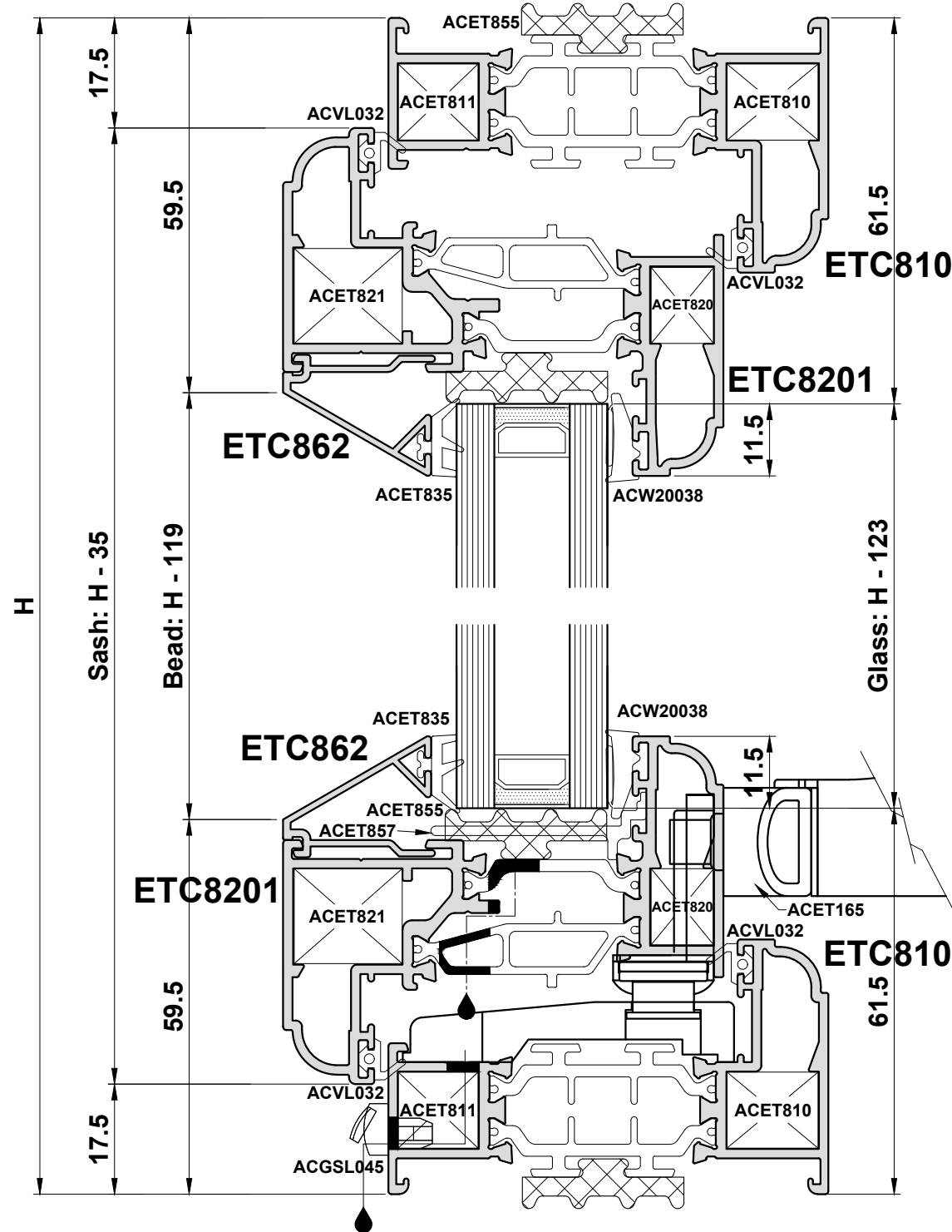
Glass Size

W-58 x H-58



Do Not Scale From This Drawing

Sample 2 - Cutting Information

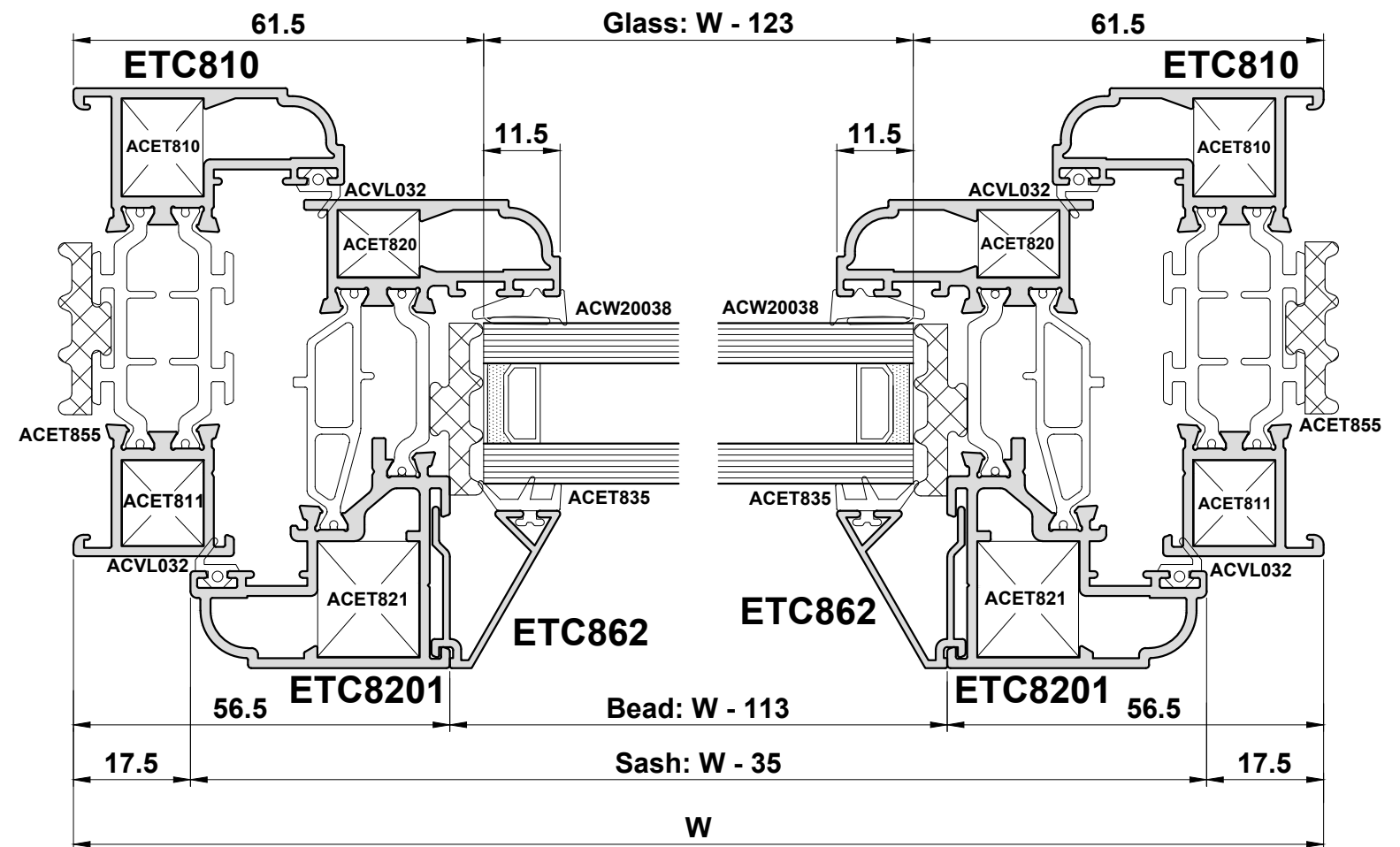


Profile Cutting Schedule

Part No.	Detail	QTY	Cutting Angle	Size
ETC810	W	2		W
ETC810	H	2		H
ETC8201	W - 35	2		W - 35
ETC8201	H - 35	2		H - 35
ETC862	W-113	2		W-113
ETC862	H-119	2		H-119

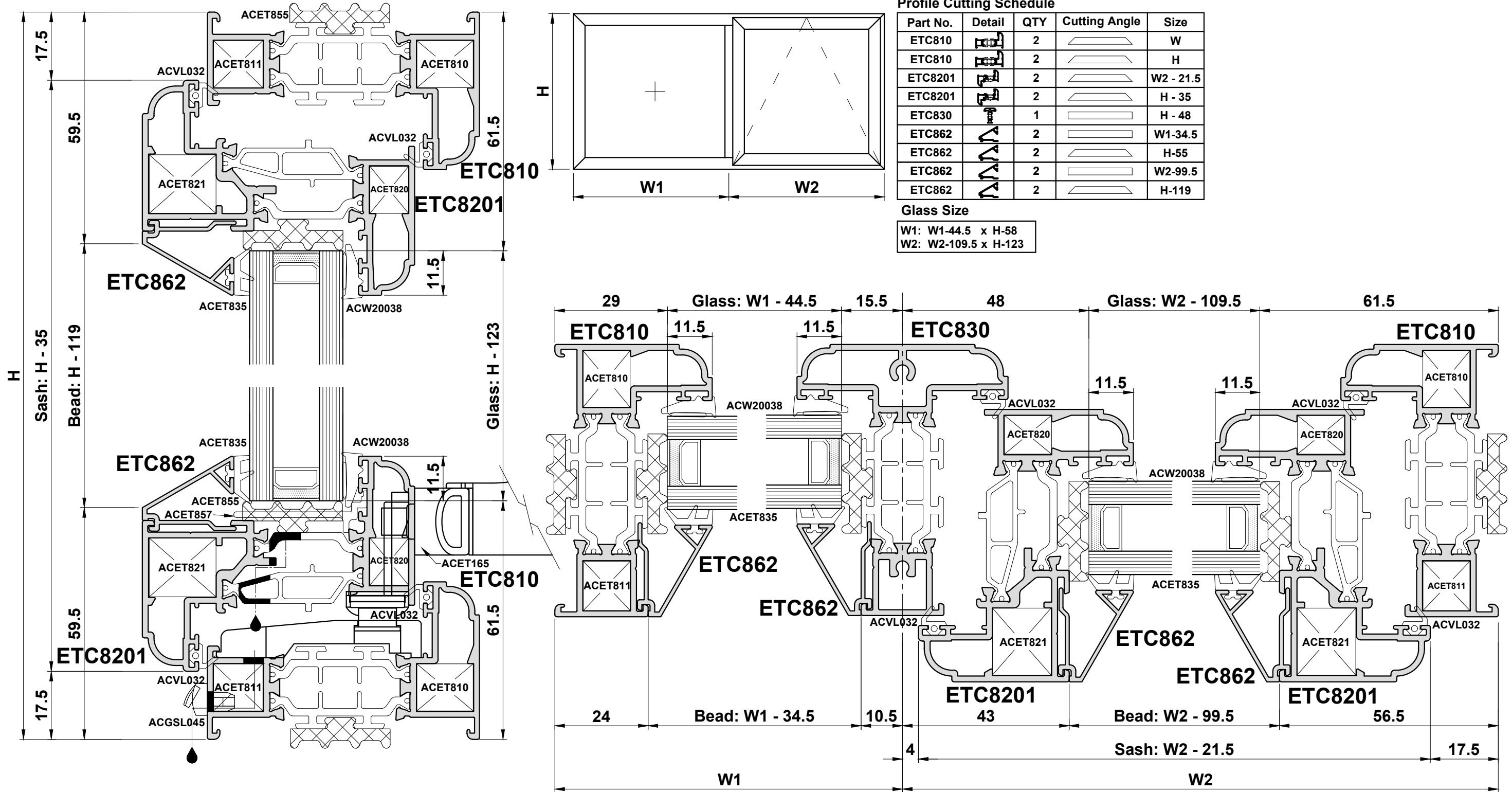
Glass Size

W-123 x H-123



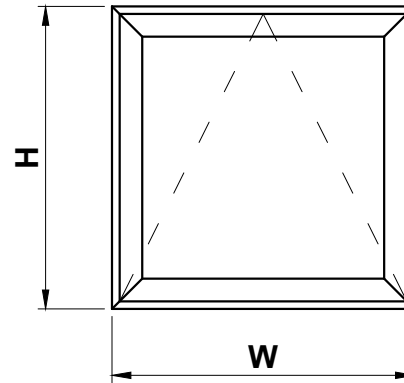
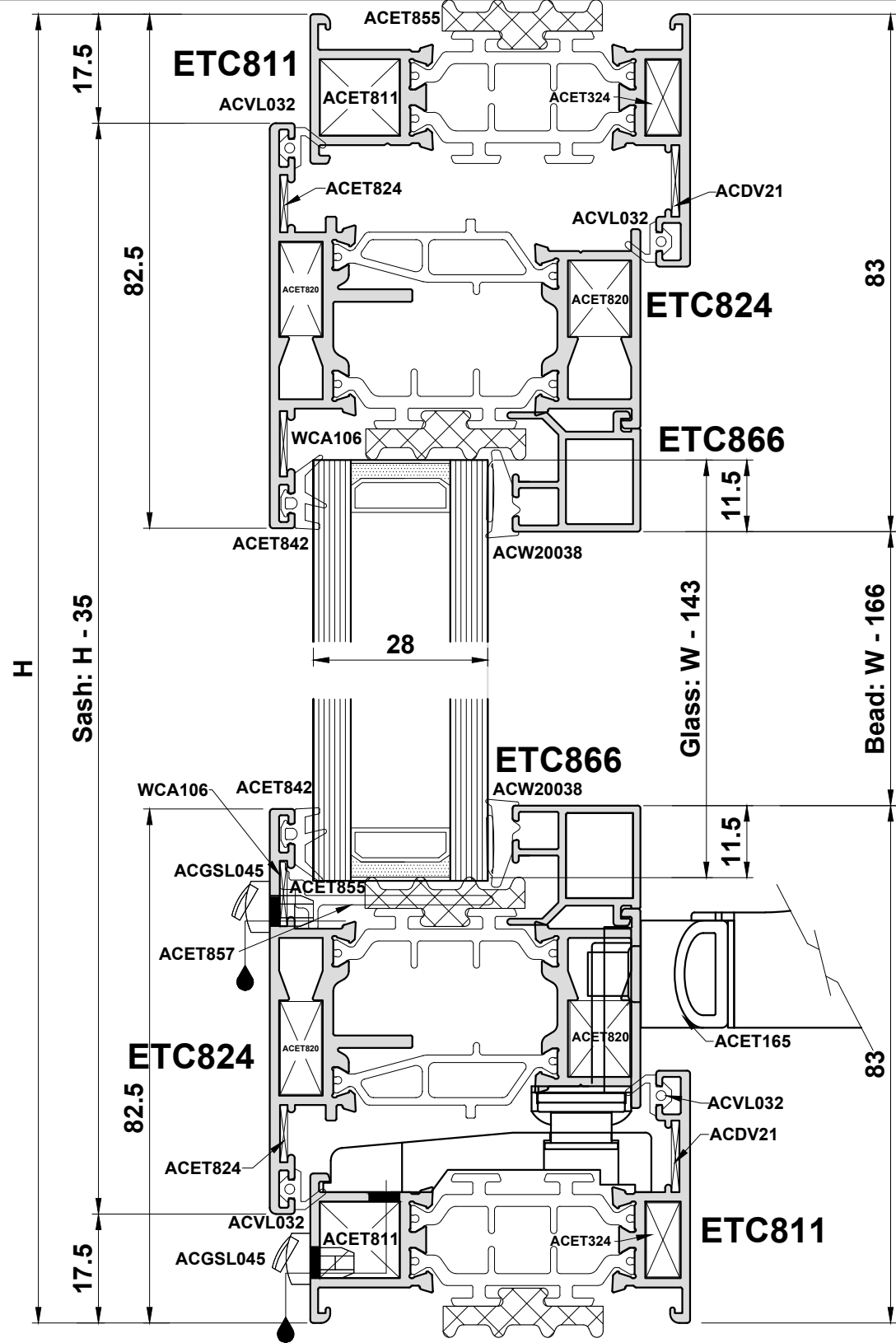
Do Not Scale From This Drawing

Sample 3 - Cutting Information



Do Not Scale From This Drawing

Sample 4 - Cutting Information

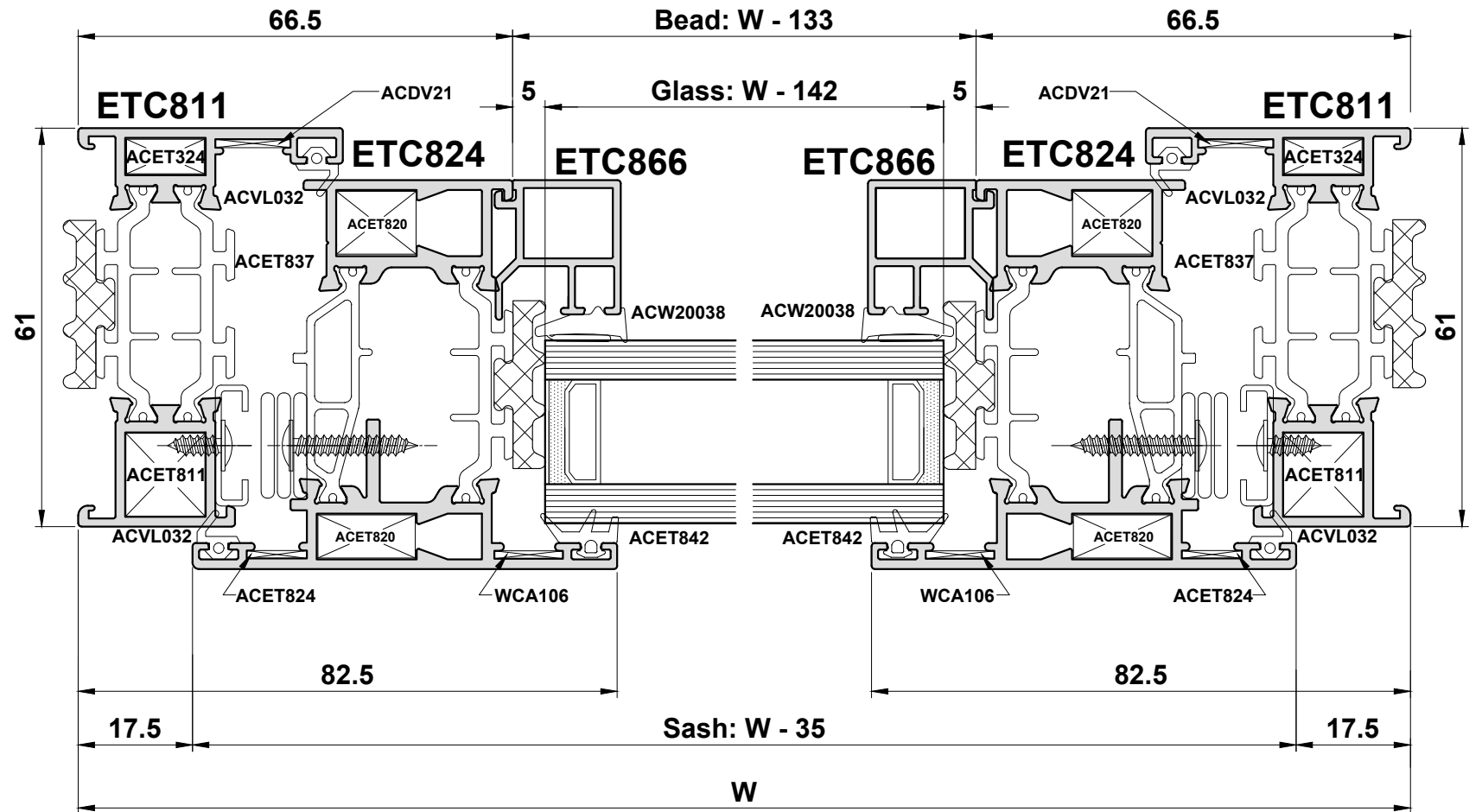


Profile Cutting Schedule

Part No.	Detail	QTY	Cutting Angle	Size
ETC811		2		W
ETC811		2		H
ETC824		2		W - 35
ETC824		2		H - 35
ETC866		2		W-133
ETC866		2		H-166

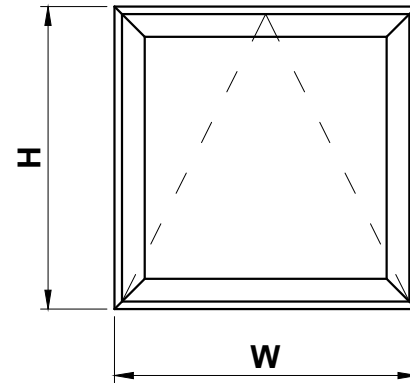
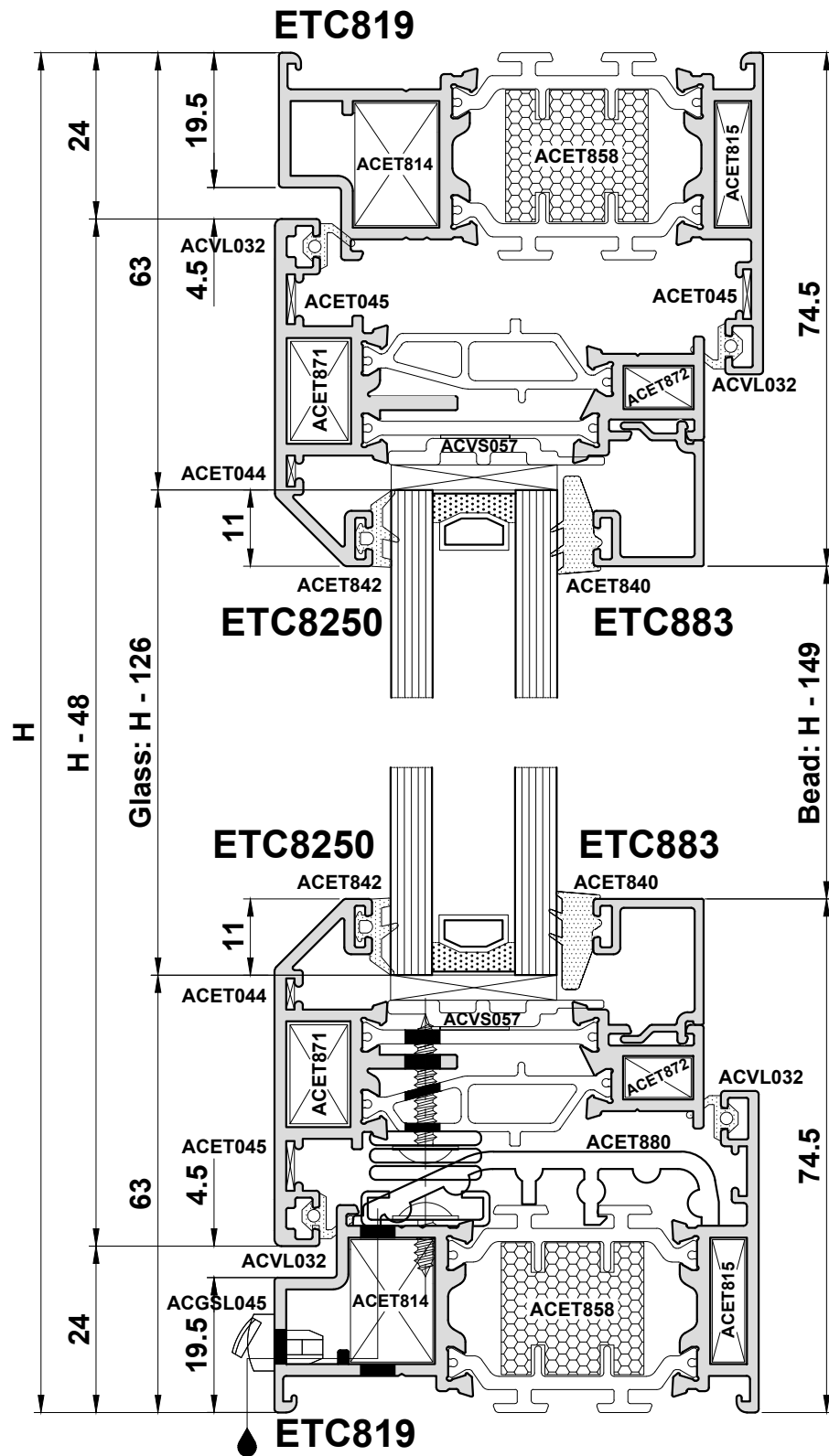
Glass Size

W-142 x H-142



Do Not Scale From This Drawing

Sample 6 - Cutting Information

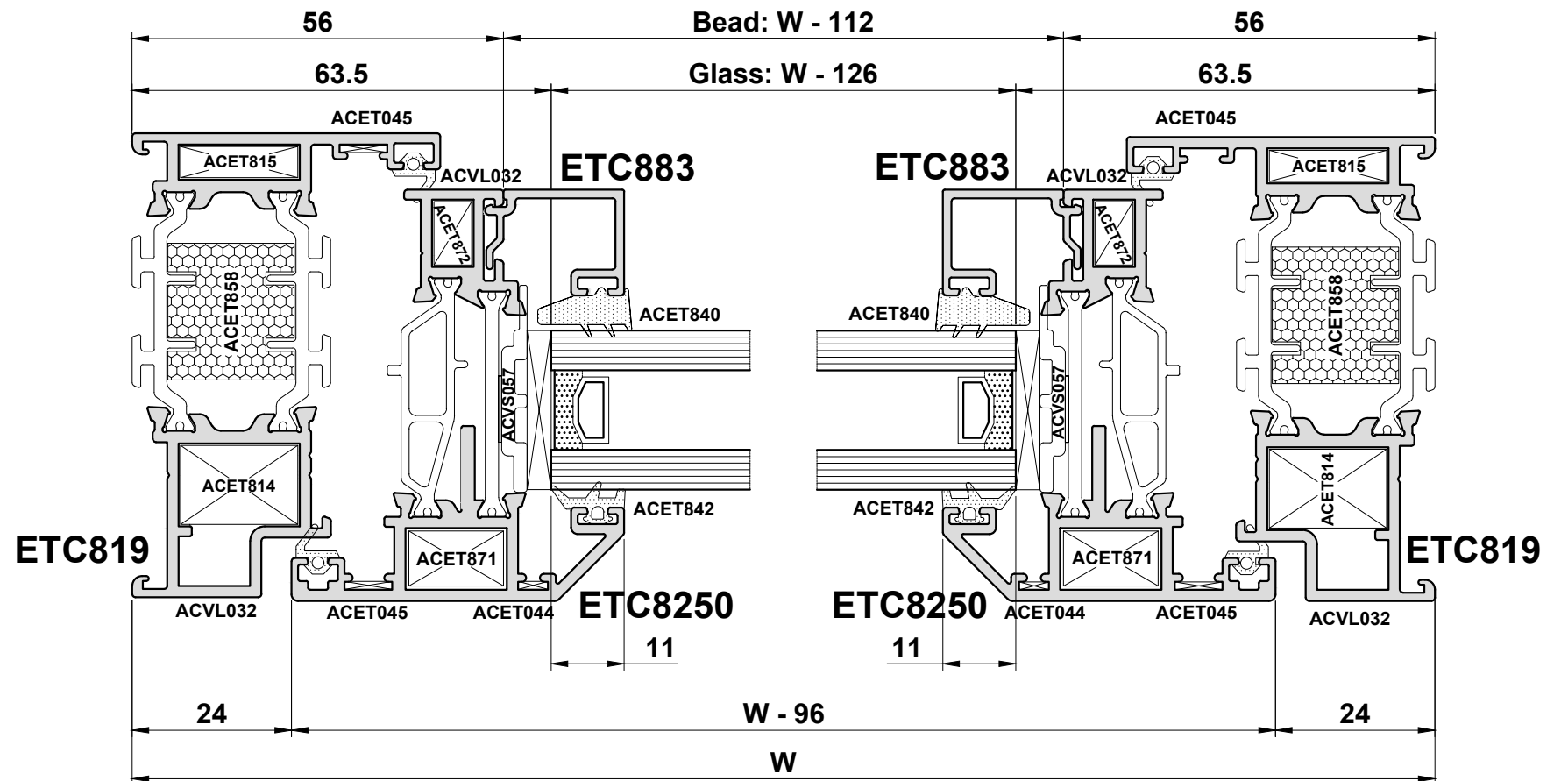


Profile Cutting Schedule

Part No.	Detail	QTY	Cutting Angle	Size
ETC819		2		W
ETC819		2		H
ETC8250		2		W - 48
ETC8250		2		H - 48
ETC883		2		W-112
ETC883		2		H-149

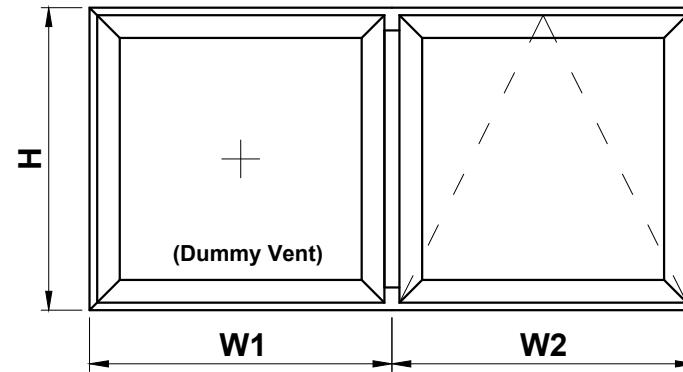
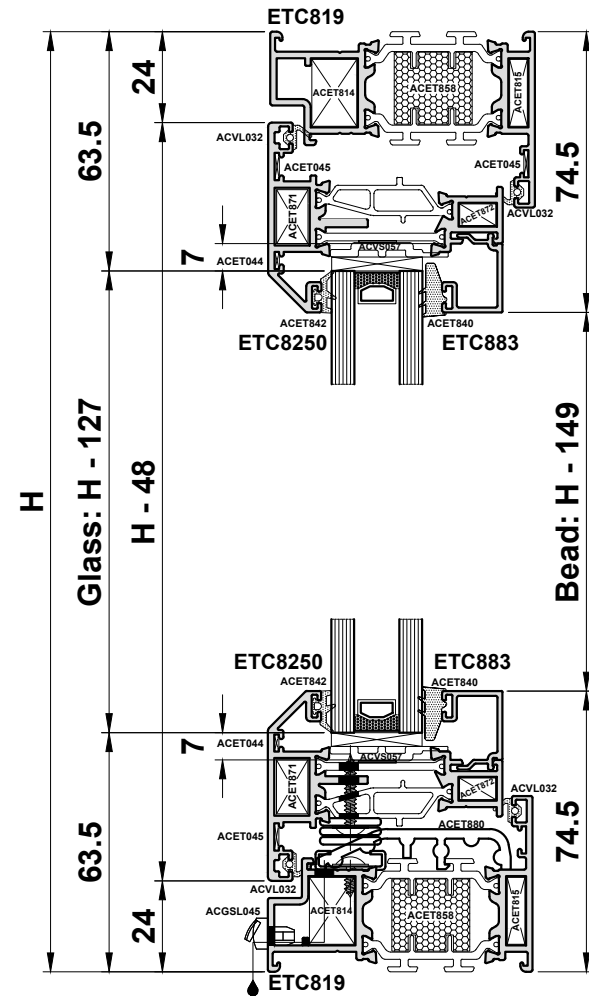
Glass Size

W-126 x H-126



Do Not Scale From This Drawing

Sample 7 - Cutting Information

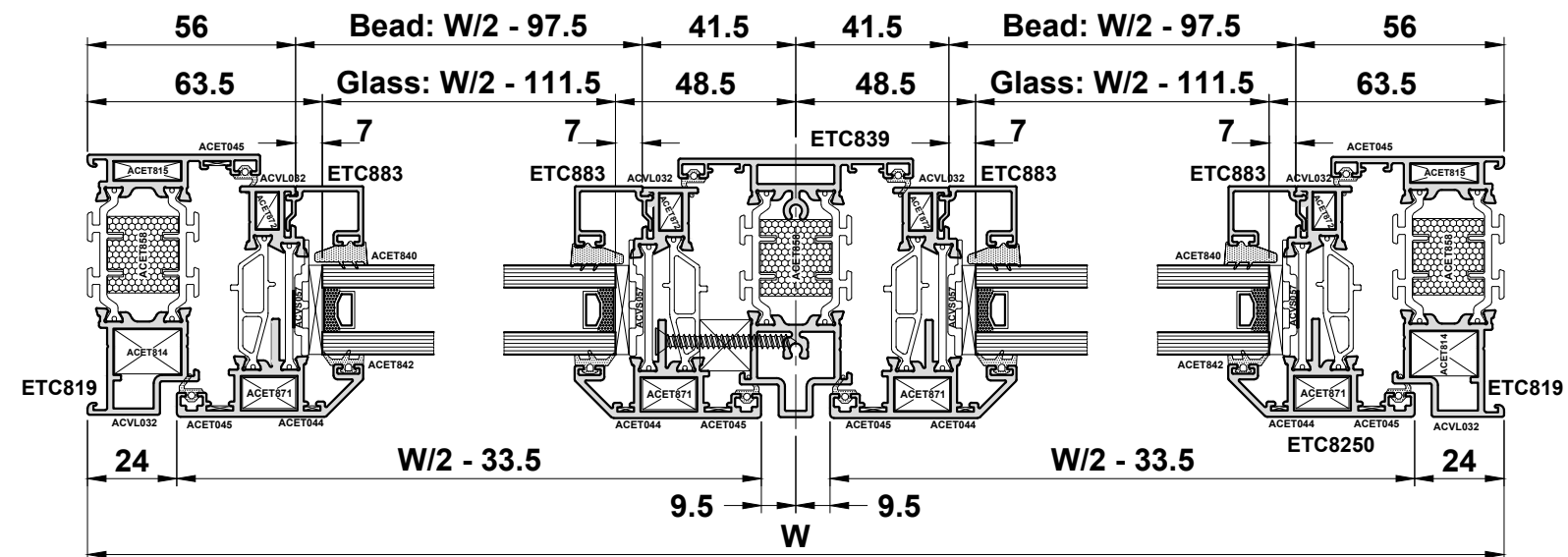


Profile Cutting Schedule

Part No.	Detail	QTY	Cutting Angle	Size
ETC819		4		W
ETC819		4		H
ETC8250		4		W/2 - 33.5
ETC8250		4		H - 48
ETC839		1		H - 39
ETC883		4		W/2-97.5
ETC883		4		H-149

Glass Size

2No. @ W/2-111.5 x H-127



Do Not Scale From This Drawing