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E ETD

Open Out

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F ETD

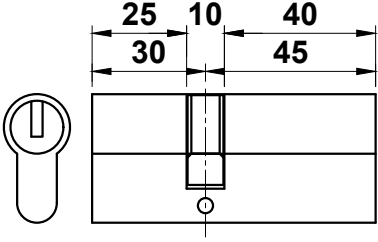
Sawing Tables

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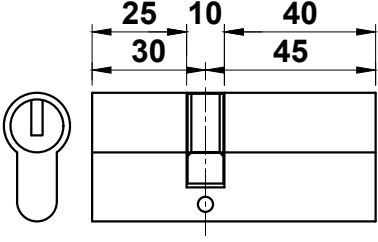
Bulletin

The ACCY3045S1 high security 45/30 lock cylinder will not be available to order until April 2017.

Please check with our sales departments for availability.

Image	Part Code	Pack	Unit	Application
	ACCY3045S1	1	Each	ETD025N (open out)

ACCY3045S1 (SL) keyed alike high security cylinder is to be discontinued with immediate effect.

Image	Part Code	Pack	Unit	Application
	ACCY3045S1 (SL)	1	Each	ETD025N (open out)

Specification

GENERAL DESCRIPTION

Alitherm Plus is a thermally broken residential door system suitable for both replacement doors in existing buildings and for installation into new buildings.

The system incorporates internally beaded sashes which are hung on either face fitted adjustable flag hinges or adjustable butt hinges which fit into the channels of the sash & outer frame. Sashes are locked by a multi-point lock which engages into a one piece keep for single doors or individual keeps for double doors, and operated by lever/lever handles.

The locks & face fitted hinges have been successfully tested to PAS24:2012.

DESIGN LIMITATIONS & PERFORMANCE CHARACTERISTICS

	Width (mm) minimum	Width (mm) maximum	Height (mm) - minimum	Height (mm) - maximum	Weight (kg) - maximum	Air Permeability	Watertightness	Resistance to Wind	Exposure Category*
Single Leaf Open in & out low threshold	500	1000	1885	2500	100	4	3A	A3	1200
Single Leaf Open in & out standard threshold	500	1000	1885	2500	100	4	9A	AE2400	2000+
Double Leaf Open in & out low threshold	500	1000	1885	2500	100	4	3A	A3	1200
Double Leaf Open out standard threshold	500	1000	1885	2500	100	4	8A	A3	1200
Double Leaf Open in standard threshold	500	1000	1885	2500	100	4	7A	A3	1200

* As given in Table 1 of BS 6375-1:2009

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

Specification

PROFILE SPECIFICATION

The door frames are constructed of aluminium alloy extrusion to BS EN 755-9 and BS EN 12020, extruded from 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:-

Anodised to BS 3987: 1987, grade AA25 to a natural self colour.

- a) Anodised to BS 3987 : 1987, grade AA25 to a natural 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 corner joints can be made using mechanically fixed corner cleats by punching the corners using the relevant punch tooling shown in section E of this manual.

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

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

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

DOOR DRAINAGE

As with all dry glazed systems, it is recommended that the door 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 open out sashes.

Specification

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

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

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

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

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

SASHES

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

The cutting sizes produce vent frames which overlap the outer frame by 6mm.

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.

Specification

GLAZING

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

BEAD GLAZING TO OUTER FRAME

Glazing beads are fitted to openings by cutting the horizontal beads square to head and cill of each vent and fixed light area. Beads are guided over the deep channel by ACET153 packers. Vertical beads are cut at 45° or 90° 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.

BEAD GLAZING TO SASH

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. Ensure the double glazed unit is properly toe & healed, and Insert bottom bead, then insert top bead followed by side beads. Finish glazing by insertion of internal gaskets all round.

The below is a summary of the sliding door testing under Kitemark Licence Number: KM530838. The full details may be downloaded from www.smartsystems.co.uk

Alitherm Plus Weather Performance (BS6375-1)

See Design Limitations & Design Characteristics table on Page A3

Alitherm Plus Operational Performance (BS6375-2:2009)

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

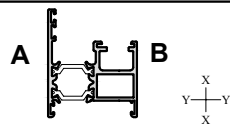
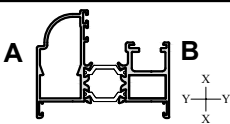
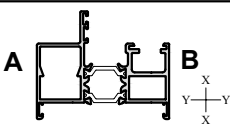
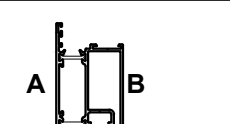
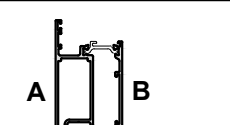
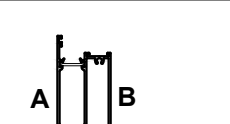
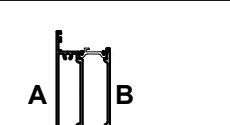
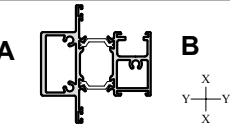
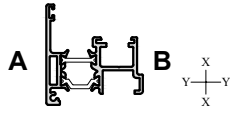
Alitherm Plus Security (PAS24:2012)

Alitherm Plus has been successfully tested to PAS24:2012

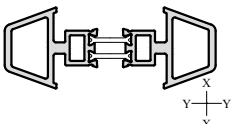
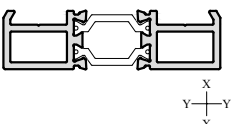
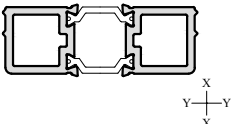
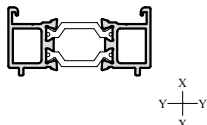
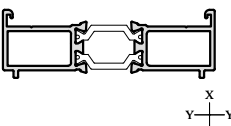
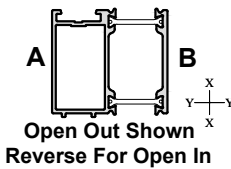
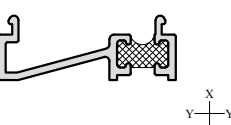
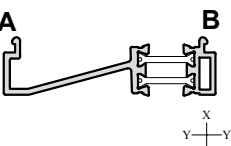
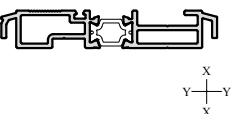
Alitherm Plus U Values

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

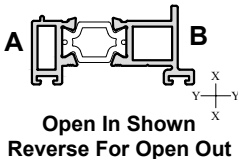
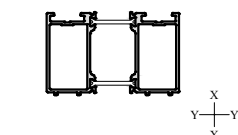
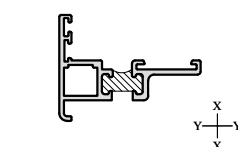
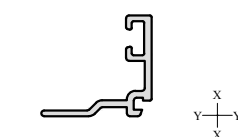
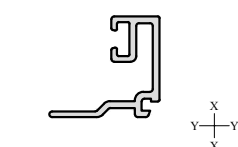
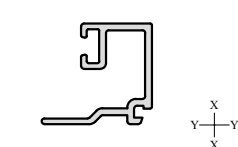
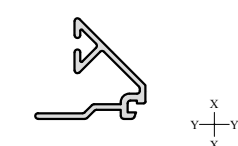
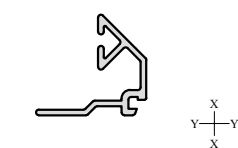
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ETD012	 Open In Shown Reverse For Open Out	A13	389	108	12.5 ----- 5.0	6.8 ----- 2.9	6.5	1	✓	✓	✓	✓	✓
ETD015	 Open In Shown Reverse For Open Out	A13	428	130	29.4 ----- 8.3	10.6 ----- 4.3	6.5	1	✓	✓	✓	✓	✓
ETD017	 Open In Shown Reverse For Open Out	A13	434	130	28.6 ----- 8.0	8.7 ----- 3.6	6.5	1	✓	✓	✓	✓	✓
ETD024N		A14	505	165	19.0 ----- 8.0	32.2 ----- 6.9	6.5	1	✓	✓	✓	✓	✓
ETD025N		A14	520	204	21.0 ----- 8.1	43.4 ----- 8.5	6.5	1	✓	✓	✓	✓	✓
ETD030		A15	418	203	21.6 ----- 8.7	57.3 ----- 10.5	6.5	1	✓	✓	✓	✓	✓
ETD033		A15	418	203	21.5 ----- 8.1	56.2 ----- 10.3	6.5	1	✓	✓	✓	✓	✓
ETD034	 Open In Shown Reverse For Open Out	A16	474	172	36.8 ----- 9.9	18.1 ----- 4.9	6.5	1	✓	✓	✓	✓	✓
ETD048	 Open In Shown Reverse For Open Out	A16	388	105	11.8 ----- 3.9	5.1 ----- 2.4	6.5	1	✓	✓	✓	✓	✓
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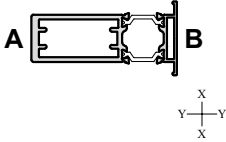
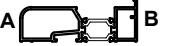
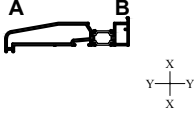
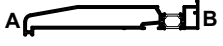
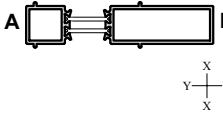
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ETD053		A17	175	-	19.4 ----- 6.0	2.7 ----- 2.3	6.5	1	✓				
ETD056		A19	205	41	6.31 ----- 2.69	0.82 ----- 0.77	6.5	1	✓	✓	✓	✓	✓
ETD057		A19	251	41	16.30 ----- 4.66	1.12 ----- 1.55	6.5	1	✓	✓	✓	✓	✓
ETD058		A21	294	85	9.92 ----- 4.22	7.25 ----- 3.4	6.5	1	✓	✓	✓	✓	✓
ETD092		A19	172	25	0.35 ----- 0.33	7.25 ----- 2.13	6.5	1	✓	✓	✓	✓	
ETD095		A19	239	29	16.23 ----- 4.23	0.72 ----- 0.90	6.5	1	✓	✓	✓	✓	✓
ETD196		A20	302	122	28.40 ----- 6.51	0.92 ----- 1.28	6.5	1		✓			
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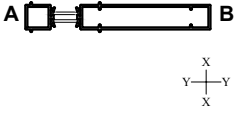
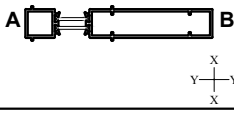
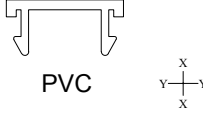
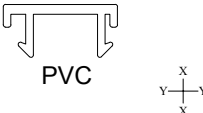
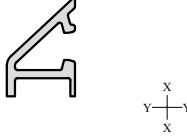
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ETD198		A20	213	78	0.61 ----- 0.42	7.52 ----- 2.41	6.5	1		✓			
DV515		A21	356	85	27.16 ----- 7.76	14.38 ----- 6.75	6.5	1	✓	✓	✓	✓	✓
ETC046		A14	237	44	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
ETC160		A22	95	23	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
ETC161		A22	115	27	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
ETC162		A22	123	31	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
ETC163		A22	106	26	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
ETC164		A22	103	25	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
							A = Outside B = Inside		GOZ = Gold W = White Z = Black		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		

PROFILES : TECHNICAL INFORMATION

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ETC452		A23	414	101	6.01 ----- 2.96	122.46 ----- 18.25	6.5	1	✓	✓	✓	✓	✓
ETC452		A36	414	197	122.46 ----- 18.03	6.01 ----- 3.34	6.5	1	✓	✓	✓	✓	✓
ETC457		A37	444	212	163.27 ----- 21.60	6.79 ----- 3.73	6.5	1	✓	✓	✓	✓	✓
ETC458		A37	524	252	313.62 ----- 32.63	8.87 ----- 4.79	6.5	1	✓	✓	✓	✓	✓
ETC479		A37	594	287	501.64 ----- 44.04	9.72 ----- 5.34	6.5	1	✓	✓	✓	✓	✓
EUD03		A22	113	39	- ----- -	- ----- -	4	1	✓	✓			
FT054		A18	281	96	43.3 ----- 8.58	2.65 ----- 2.2	6.5	1	✓	✓	✓	✓	✓
							A = Outside B = Inside		GOZ = Gold W = White Z = Black		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		

PROFILES : TECHNICAL INFORMATION

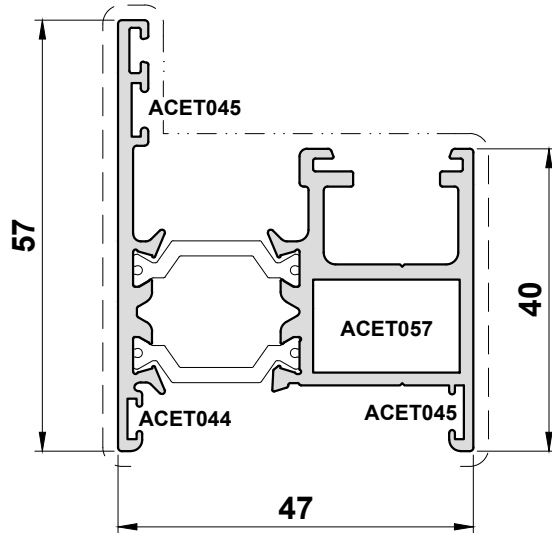
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PCX17	 PVC	A21	-	-	- ----- -	- ----- -	5	1	✓				
VL72		A21	101	54	- ----- -	- ----- -	6.5	5	✓	✓	✓	✓	
					A = Outside B = Inside		GOZ = Gold W = White Z = Black		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				

PROFILES : TECHNICAL INFORMATION

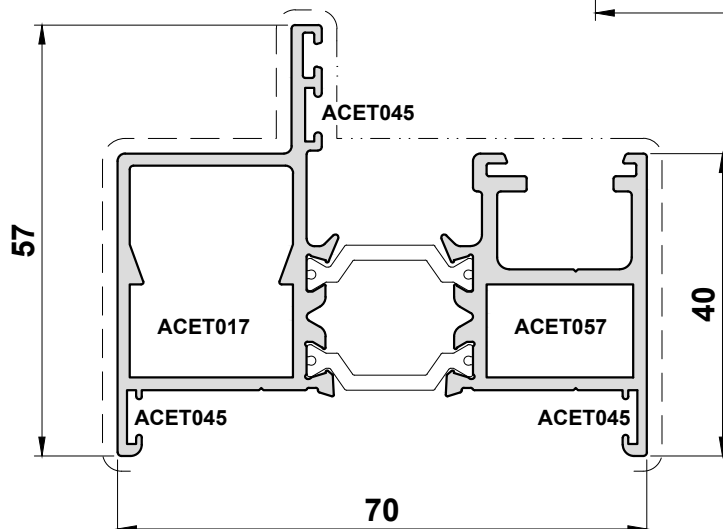
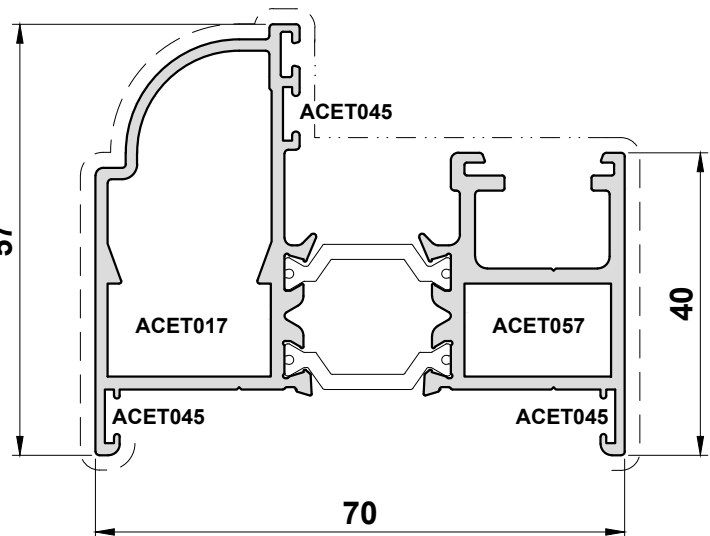
Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
						A = Outside B = Inside	GOZ = Gold W = White Z = Black			MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

Primary Visible Side

Secondary Visible Side



ETD015
70mm Ovolo
Outer Frame



ETD017
70mm Square
Outer Frame

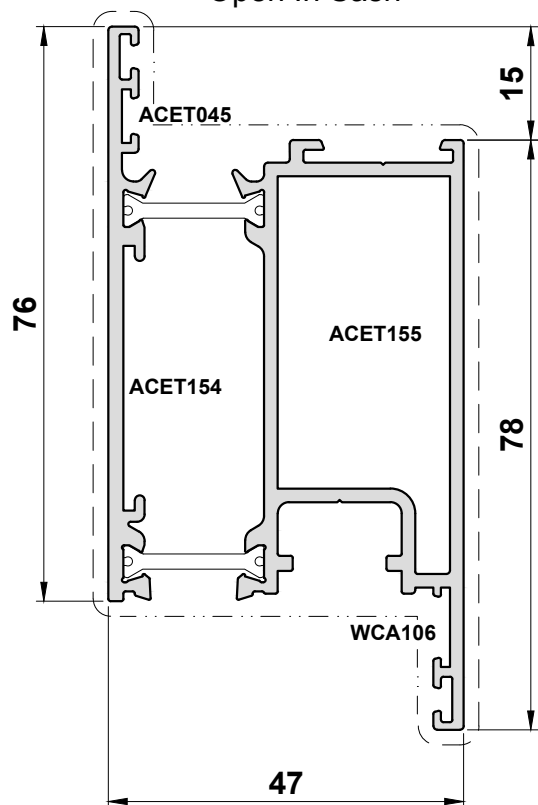
Scale 1:1

Primary Visible Side

Secondary Visible Side

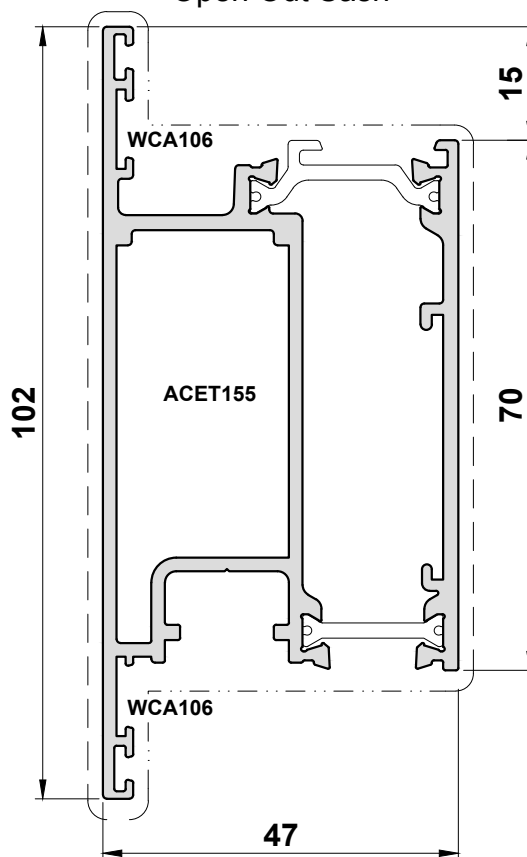
ETD024N

Open In Sash



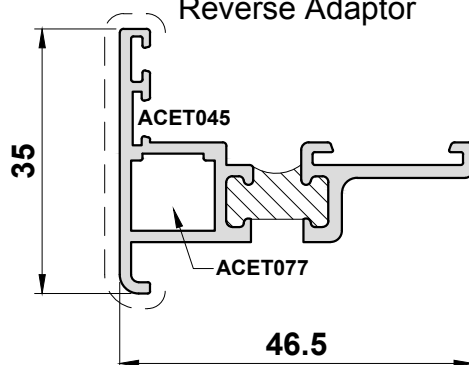
ETD025N

Open Out Sash



ETC046

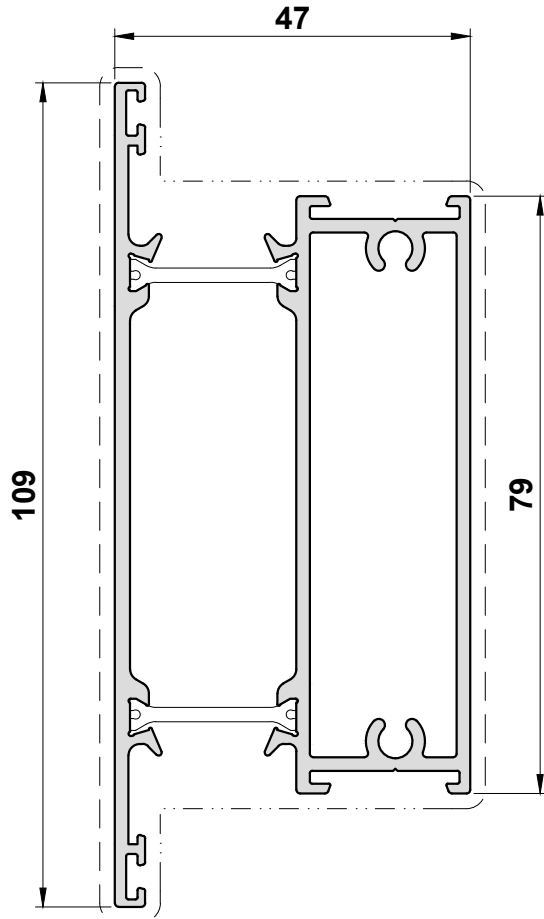
Reverse Adaptor



Scale 1:1

Primary Visible Side

Secondary Visible Side

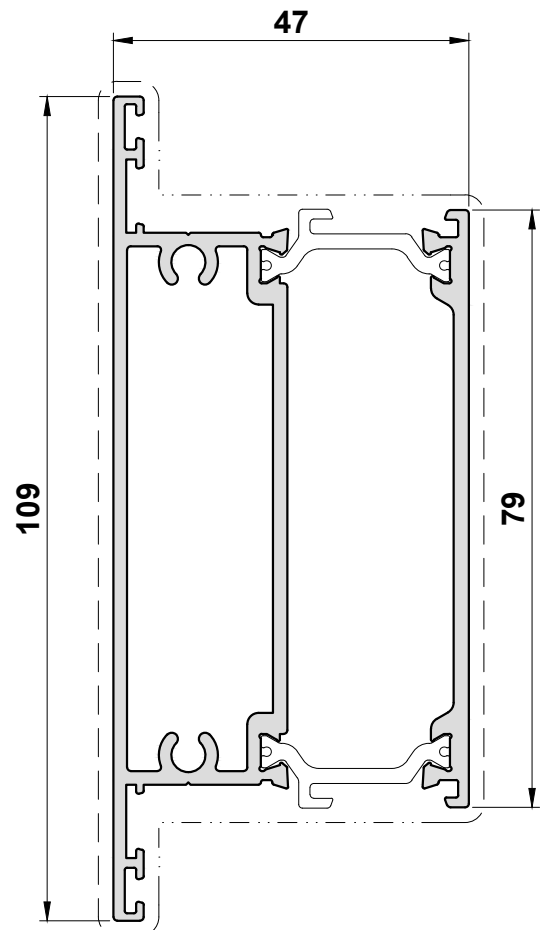


ETD030

Open In
Mid Rail

ETD033

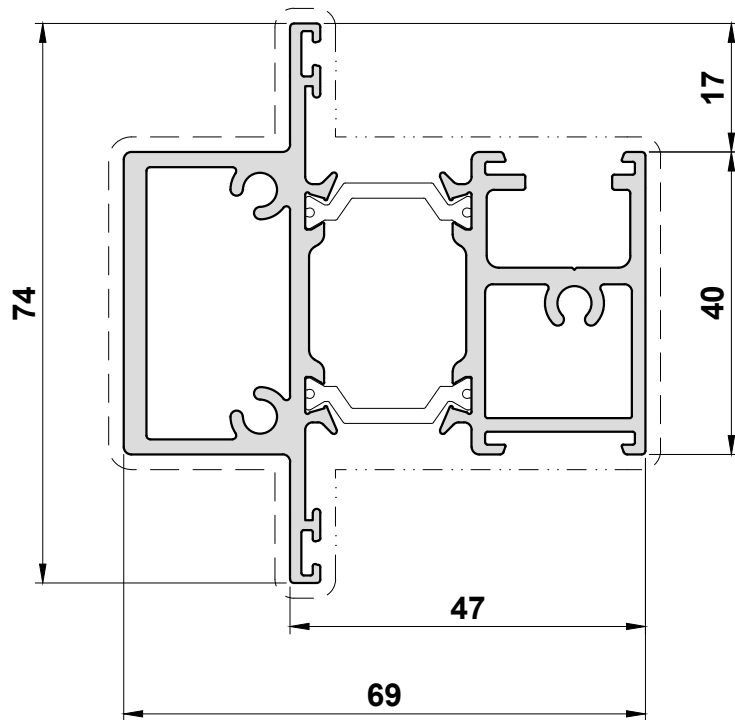
Open Out
Mid Rail



Scale 1:1

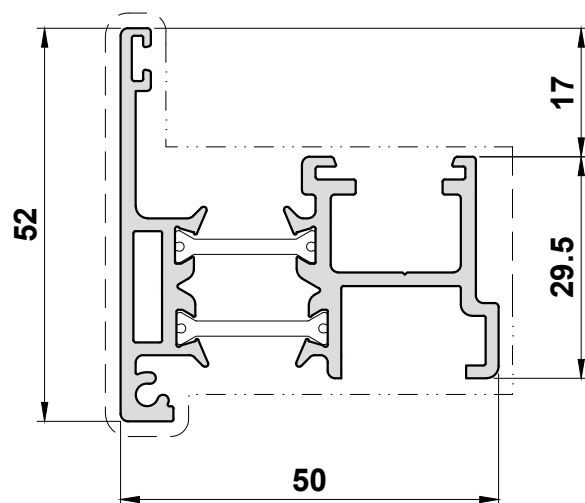
Primary Visible Side

Secondary Visible Side



ETD034
Integral
Mullion/Transom

ETD048
Meeting Stile
Rebate



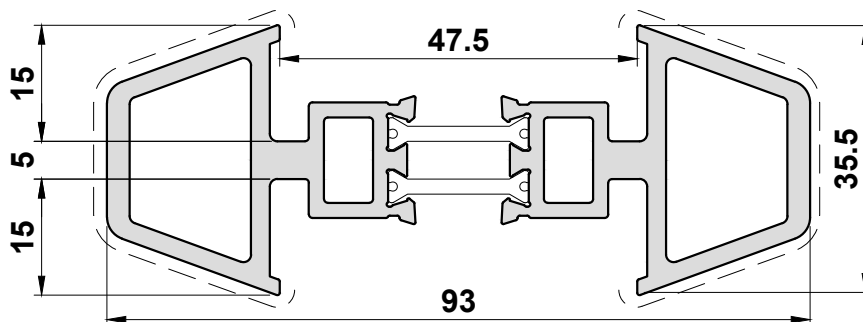
Primary Visible Side

Secondary Visible Side

ETD051

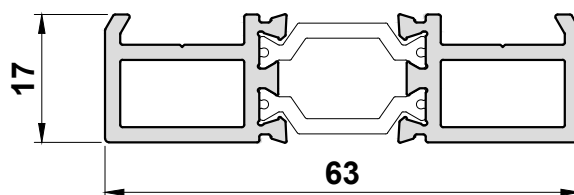
47mm Coupler

**Note: ETD051 must be used with ETD056
where ACET250 hinges are selected**



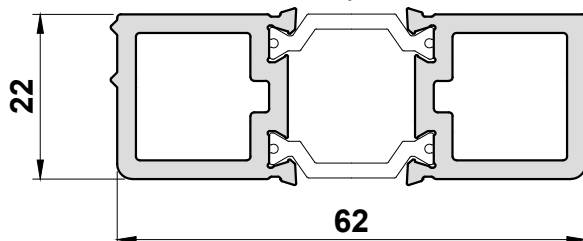
ETD052

Concealed Coupler



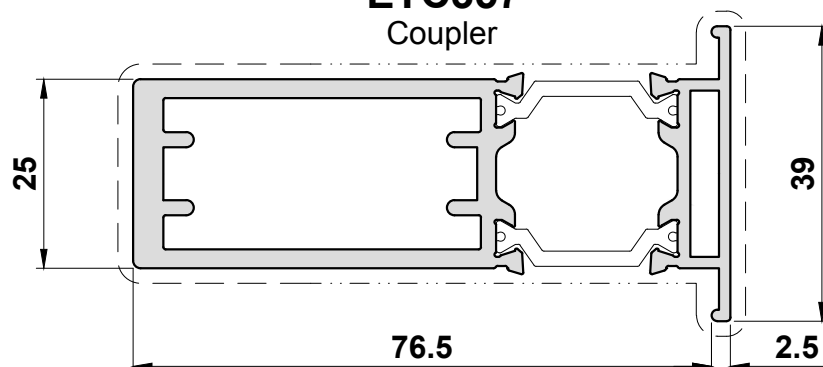
ETD053

70mm Concealed
Coupler



ETC357

Coupler

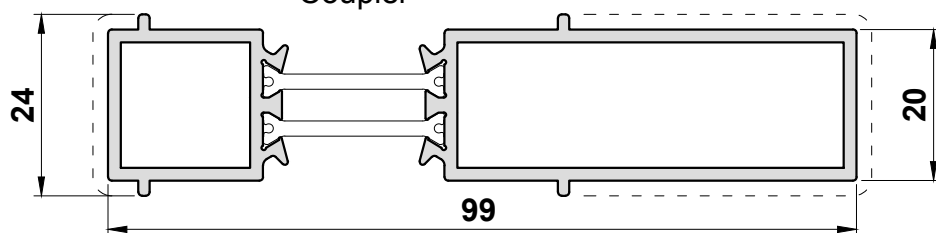


Primary Visible Side

Secondary Visible Side

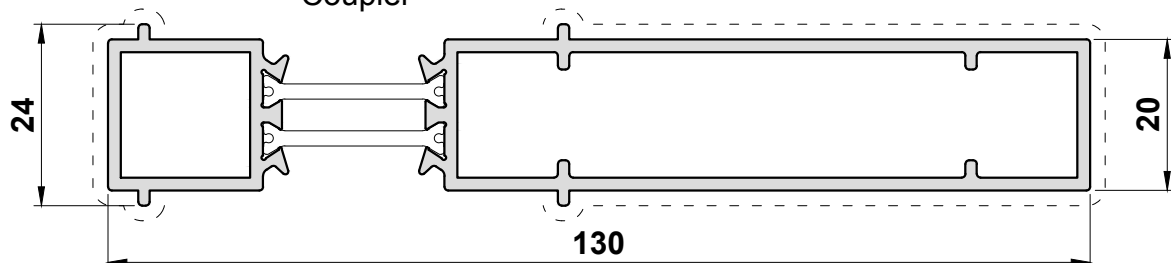
FT054

Coupler



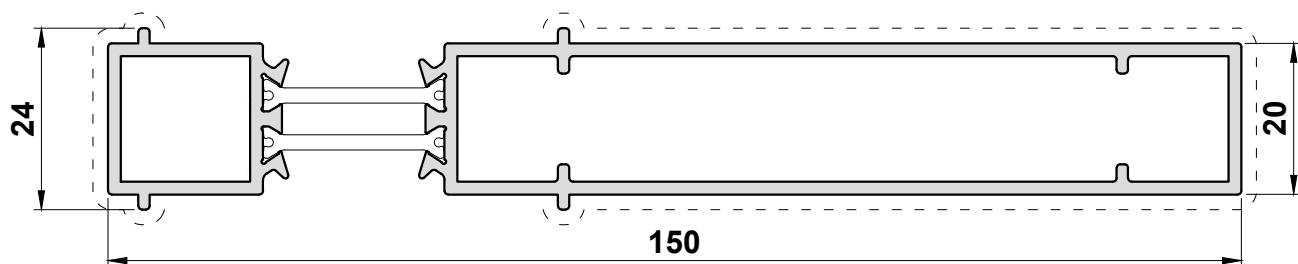
FT156

Coupler



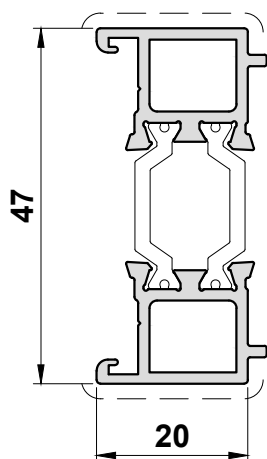
FT155

Coupler

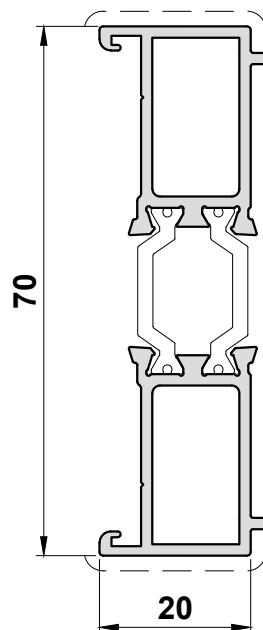


Primary Visible Side

Secondary Visible Side

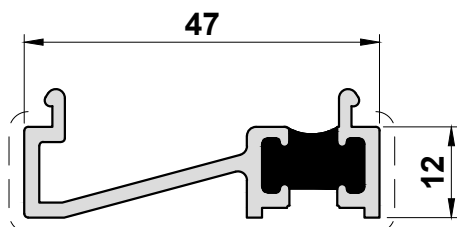


ETD056
47mm Frame
Extension

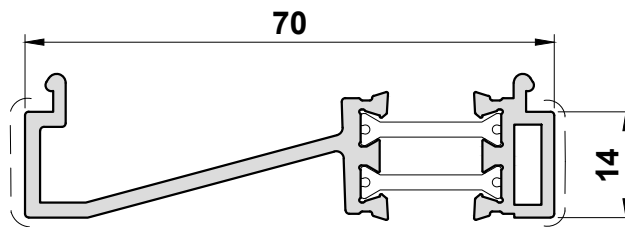


ETD057
70mm Frame
Extension

ETD092
47mm Flush Cill



ETD095
70mm Flush Cill

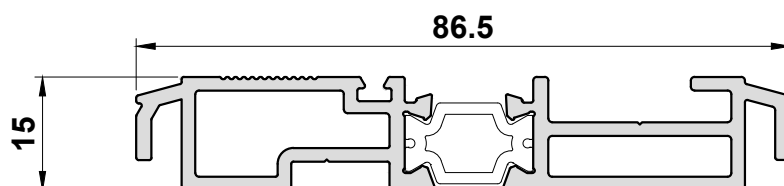


Primary Visible Side

Secondary Visible Side

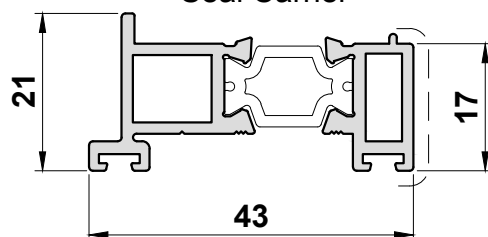
ETD196

Low Threshold



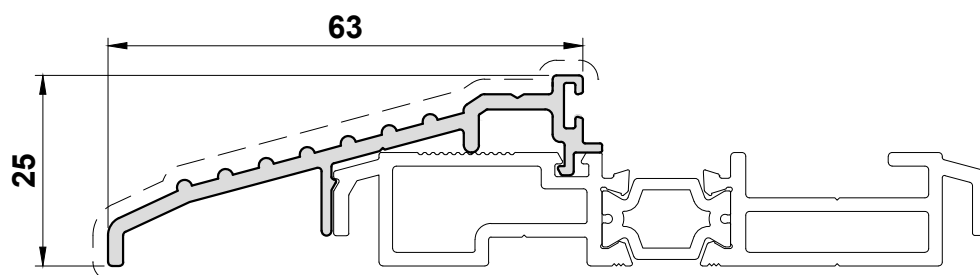
ETD197

Low Threshold
Seal Carrier



ETD198

Low Threshold
Rebate



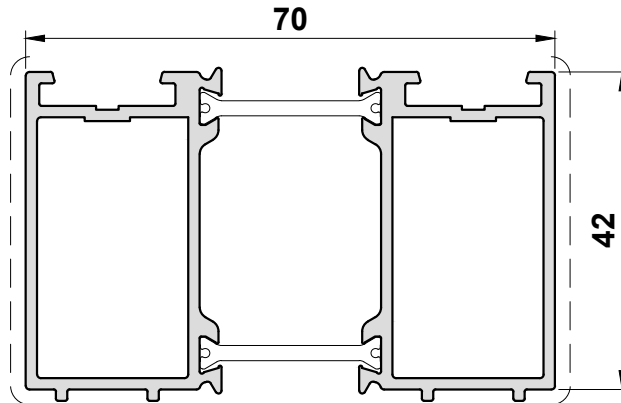
Scale 1:1

Primary Visible Side

Secondary Visible Side

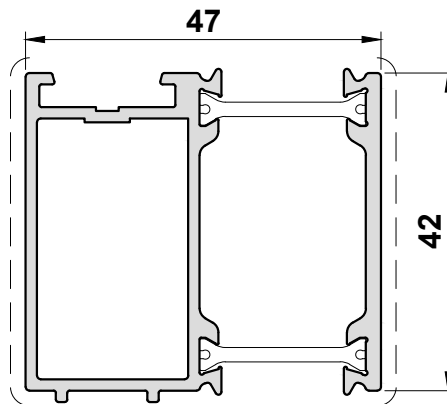
DV515

70mm Outer
Frame Extension



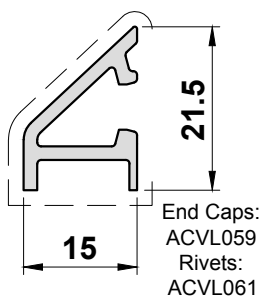
ETD058

47mm Outer
Frame Extension



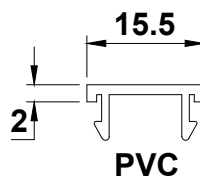
VL72

Weather Drip



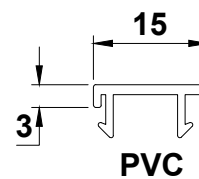
PCX15

Sash Infill Strip



PCX17

Outer Frame Infill Strip



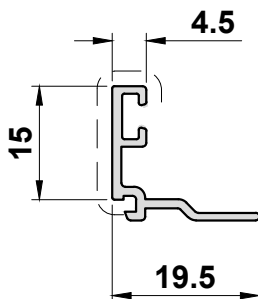
Scale 1:1

Primary Visible Side

Secondary Visible Side

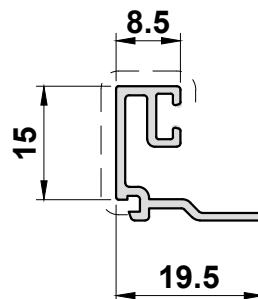
ETC160

32mm Glazing Bead



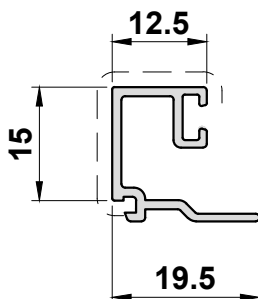
ETC161

28mm Glazing Bead



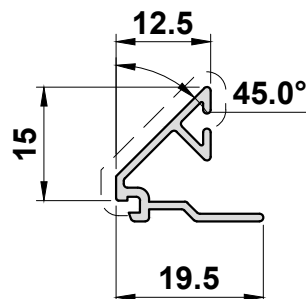
ETC162

24mm Glazing Bead



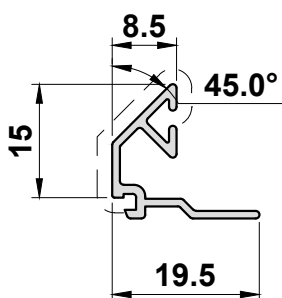
ETC163

24mm Glazing Bead



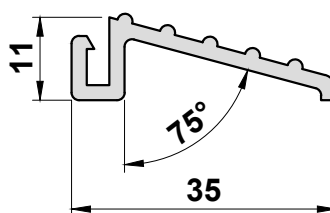
ETC164

28mm Glazing Bead



EUD03

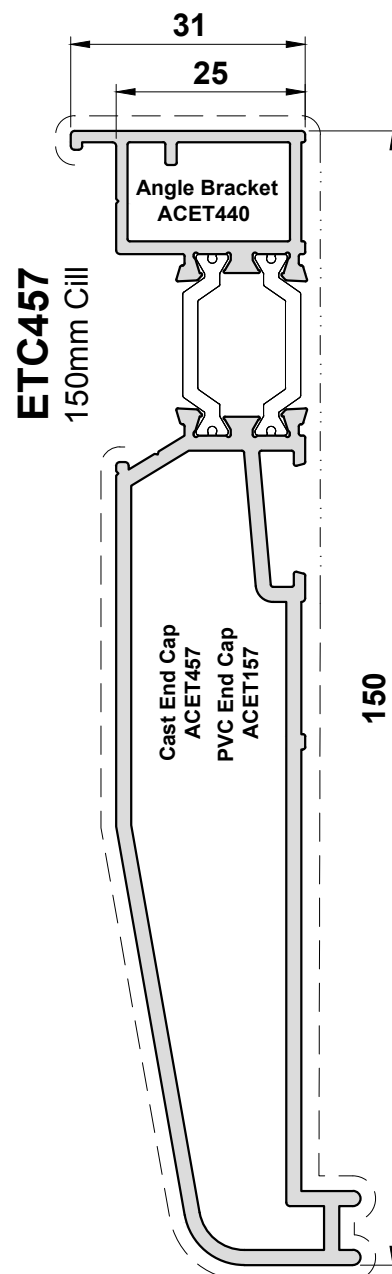
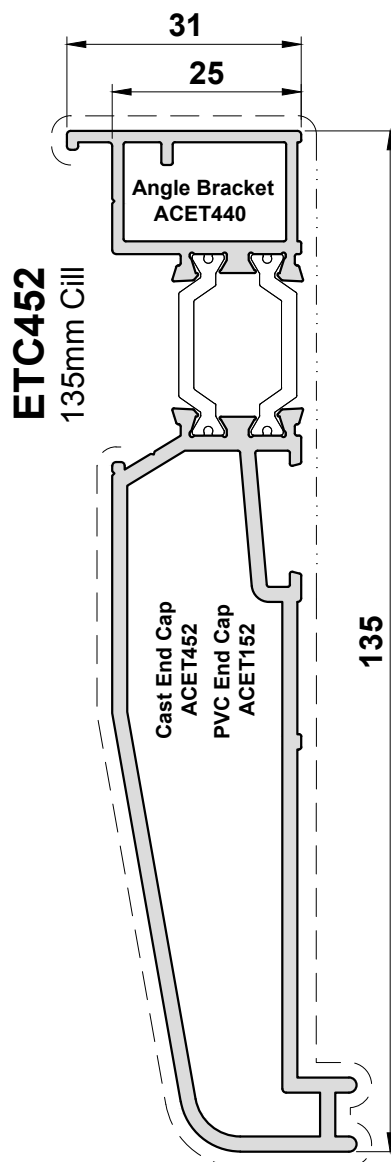
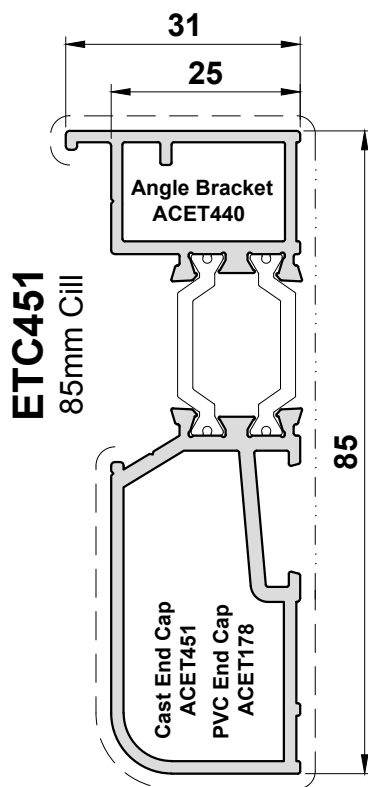
Door Threshold Ramp



Scale 1:1

Primary Visible Side

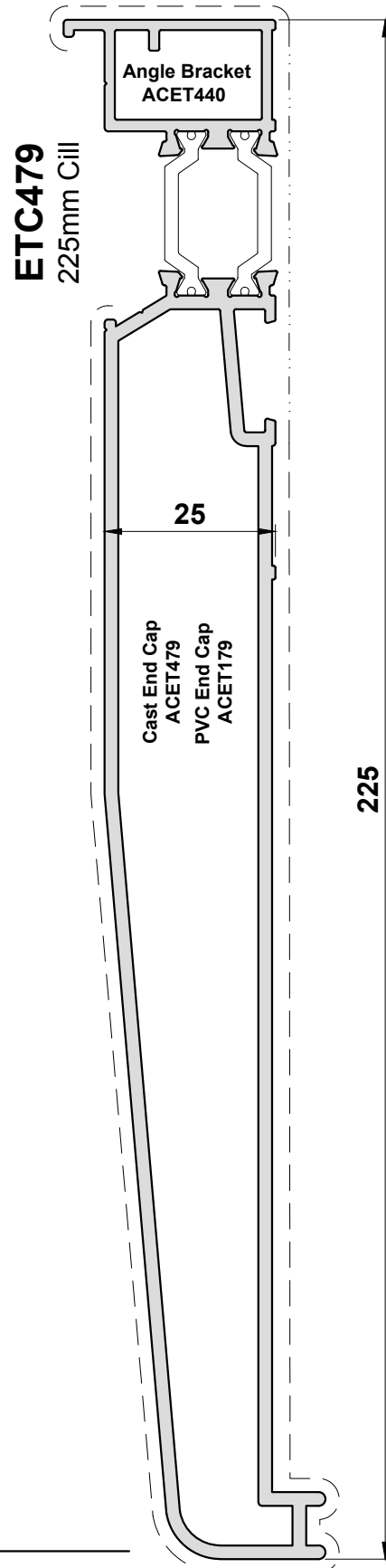
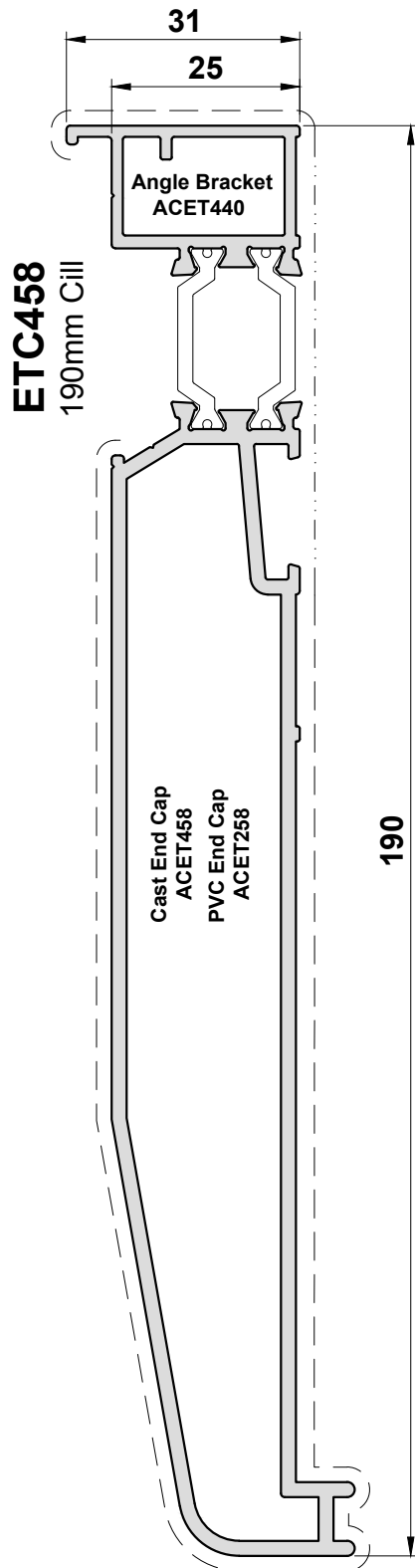
Secondary Visible Side



Scale 1:1

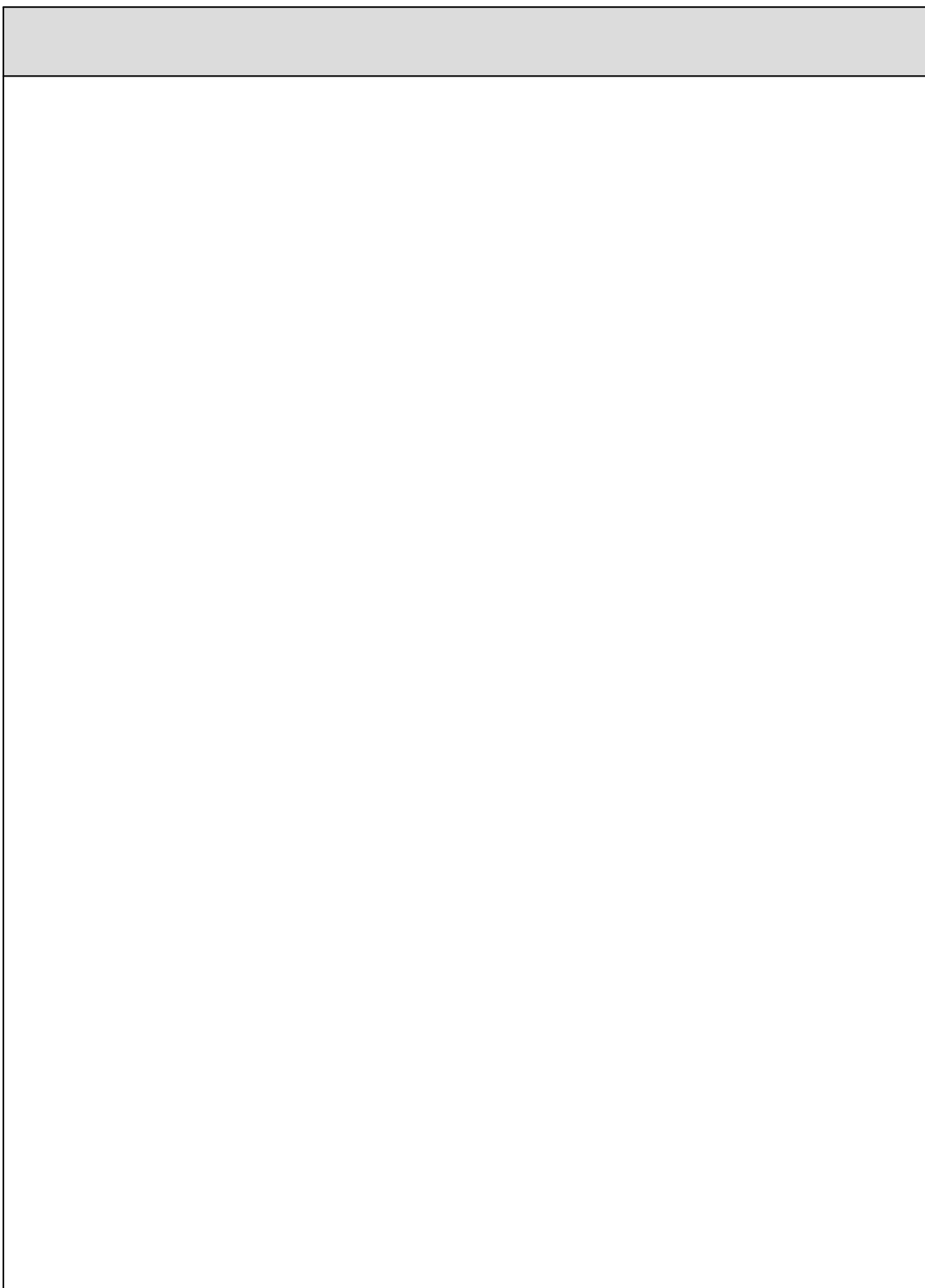
Primary Visible Side

Secondary Visible Side

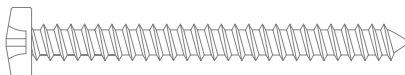
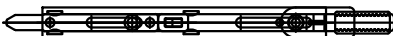
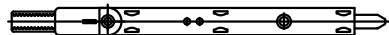


Section B

Template
Accessories
Photos & Drawings



ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour	
	ACDR052 No. 10 x 2" Pan Head S/S Self Tapper	200	pack		MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACDV251 Lever/Lever Handle	1	pair	ACET282 ACET283 ETD024N ETD025N	MF	
					SA	
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	✓
	ACDV737 Bottom Shoot Bolt	1	each	ACET282 ACET283 ACET292 ACET293 ETD024N ETD025N	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACDV738 Top Shoot Bolt	1	each	ACET282 ACET283 ACET292 ACET293 ETD024N ETD025N	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACDV742 200mm Shoot Bolt Extension	1	each	ACDV737 ACDV738 ACET282 ACET283 ACET285 ACET292 ACET293 ETD024N ETD025N	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black			

ACCESSORIES : PHOTOS & DRAWINGS

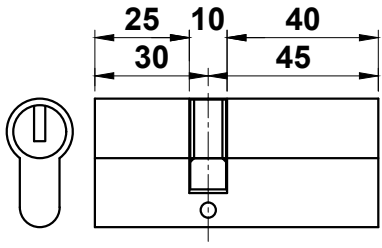
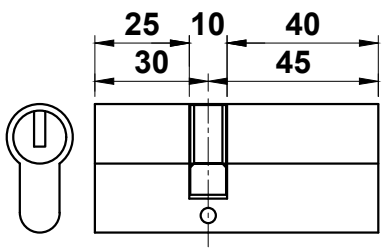
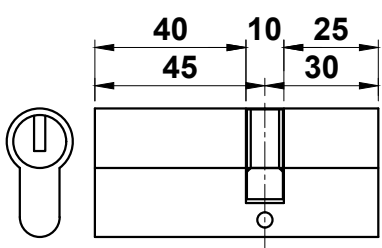
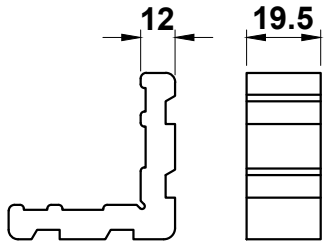
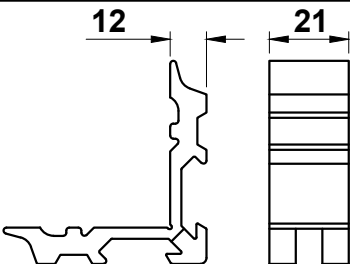
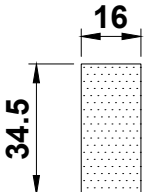
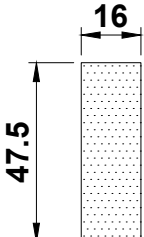
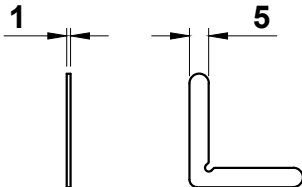
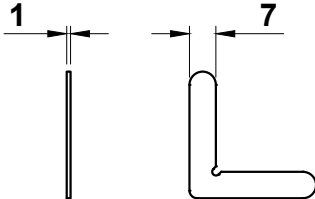
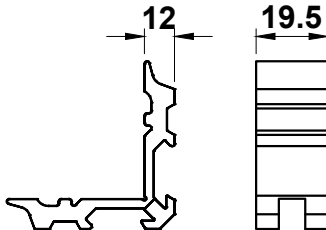
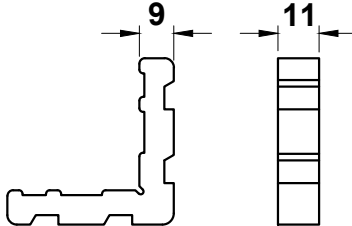
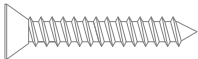
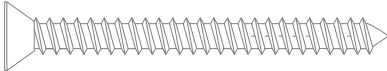
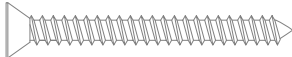
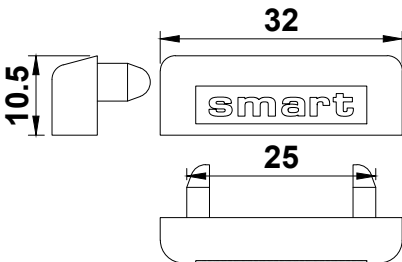
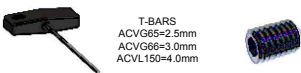
Image	Part Code	Pack	Unit	Application	Colour
	ACDV744 400mm Shoot Bolt Extension	1	each	ACDV737 ACDV738 ACET282 ACET283 ACET285 ACET292 ACET293 ETD024N ETD025N	MF ✓ SA KL HP M GOZ W Z PC
	ACCY3045 Standard 30/45 Europrofile Cylinder Plished Chrome Finish For Keyed Alike Order <u>ACCY3045 SL</u>	1	each	ETD024N ETD025N	MF ✓ SA KL HP M GOZ W Z PC
	ACCY3045S1 High Security 30/45 Europrofile Cylinder Anti-Bump, Anti-Pick, Anti-Screw & Anti-Drill protection. Nickel Finish For Keyed Alike Order <u>ACCY3045S1 SL</u>	1	each	ETD025N (open out)	MF ✓ SA KL HP M GOZ W Z PC
	ACCY4530S1 High Security 45/30 Europrofile Cylinder Anti-Bump, Anti-Pick, Anti-Screw & Anti-Drill protection. Nickel Finish For Keyed Alike Order <u>ACCY4530S1 SL</u>	1	each	ETD024N (open in)	MF ✓ SA KL HP M GOZ W Z PC
	ACET012 Crimping Cleat	24	pack	ETD012 ETD015 ETD017	MF ✓ SA KL HP M GOZ W Z PC
	MF = Mill Finish GOZ = Gold SA = Silver Anodised PC = Polished Chrome KL = Basic Colour W = White HP = Special Colour Z = Black M = Dual Colour				

Image	Part Code	Pack	Unit	Application	Colour
	ACET017 Mechanical Cleat	24	pack	ETD015 ETD017	MF ☒
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐
	ACET024 Foam Infill (1250mm lengths)	10	pack	ETD024N	MF ☒
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐
	ACET026 Foam Infill (1250mm lengths)	10	pack	ETD025N	MF ☒
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐
	ACET035 Bead Gasket	100	mtr		MF ☐
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☒
					PC ☐
	ACET041 Cill Nose Bracket	1	each	ETC451 ETC452 ETC457 ETC458 ETC479	MF ☒
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐
		MF = Mill Finish GOZ = Gold SA = Silver Anodised PC = Polished Chrome KL = Basic Colour W = White HP = Special Colour Z = Black M = Dual Colour			

ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour	
	ACET044 Stainless steel chevron	50	pack	ETD012 ETD015 ETD017	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET045 Stainless steel chevron	50	pack	ETD012 ETD015 ETD017 ETD024N ETD025N	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET057 Mechanical Cleat	24	pack	ETD012 ETD015 ETD017	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET077 Crimping Cleat	24	pack	ETC046	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET060 No. 7 x 1" CSK S/S Self Tapper	100	pack		MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black		

ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour	
	ACET062 No. 10 x 2" CSK S/S Self Tapper	100	pack	ETD034	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET066 No. 7 x 1 1/2" CSK S/S Self Tapper	100	pack		MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET093 Packer	24	pack	ETD012 ETD015 ETD017	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET131 Drainage Cap	100	pack	ETD012 ETD015 ETD017	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET149 Slimline Restrictor	1	each	ETD012 ETD015 ETD017 ETD024N ETD025N	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm Screw (Grub)					MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour	GOZ = Gold PC = Polished Chrome W = White Z = Black

ACCESSORIES : PHOTOS & DRAWINGS

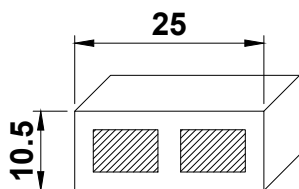
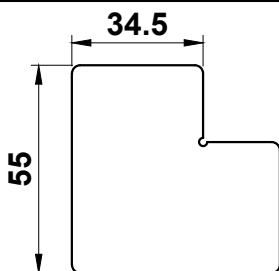
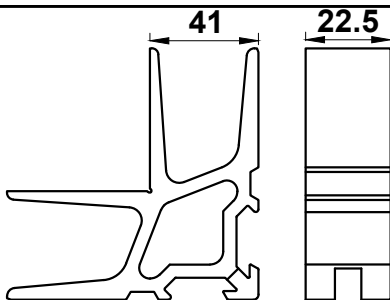
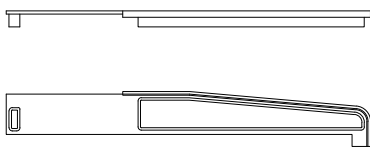
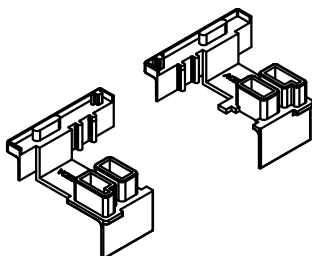
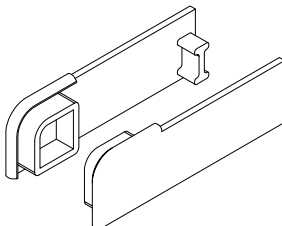
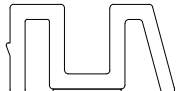
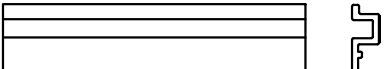
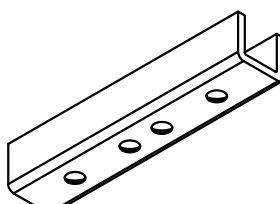
Image	Part Code	Pack	Unit	Application	Colour	
	ACET153 Self-Adhesive Packer	24	Pack	ETD012 ETD015 ETD017 ETD024N ETD025N	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET154 Chevron	24	pack	ETD024N ETD025N	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET155 Cleat	24	pack	ETD024N ETD025N	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET157 PVC Cill End Cap	10	pair	ETC457	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET160 Flipper Gasket	100	mtr	ETD012 ETD015 ETD017 ETD024N ETD025N ETD047	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
 T-BARS ACVG66=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black		

Image	Part Code	Pack	Unit	Application	Colour	
	ACET162 ETD048 End Cap	1	pair	ETD024N ETD025N	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET174 Adjustable Hinge	1	pair	ETD012 ETD015 ETD017 ETD024N ETD025N	MF	✓
					SA	✓
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET178 Cill End Cap	10	pair	ETC451	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET179 PVC Cill End Cap	10	pair	ETC479	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET200 Bridge Packer	10	pack	ETD024N	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
 T-BARS ACVG66=2.5mm ACVG66=3.0mm ACVL150=4.0mm						
 Screw (Grub)						
MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				GOZ = Gold PC = Polished Chrome W = White Z = Black		

ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour	
	ACET201 Bridge Packer	10	pack	ETD012 ETD015 ETD017	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET202 Bridge Packer	10	pack	ETD025N	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET217 Steel Keep Reinforcement	1	each	ETD012 ETD015 ETD017 ETD048	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET232 Threshold Gasket	100	mtr	ETD198	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACET234 Threshold Gasket	100	mtr	ETD196	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm  Screw (Grub)		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black		

ACCESSORIES : PHOTOS & DRAWINGS

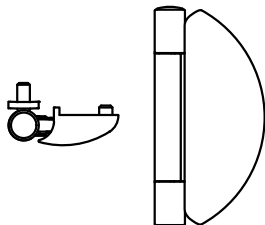
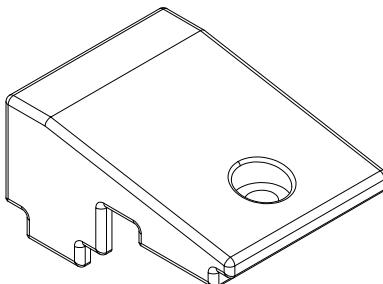
Image	Part Code	Pack	Unit	Application	Colour	
	ACET250 Fully adjustable hinge Available in White, Black or Silver-Grey.	24	pack	ETD012 ETD015 ETD017 ETD024N ETD025N	MF	✓
					SA	
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET257 Guide Block	50	pack	ETD012 ETD015 ETD017	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET258 PVC Cill End Cap	10	pair	ETC458	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET259 ETD196 End Cap/Bracket	1	pair	ETD012 ETD015 ETD017 ETD196	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
					MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm  Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			GOZ = Gold PC = Polished Chrome W = White Z = Black		

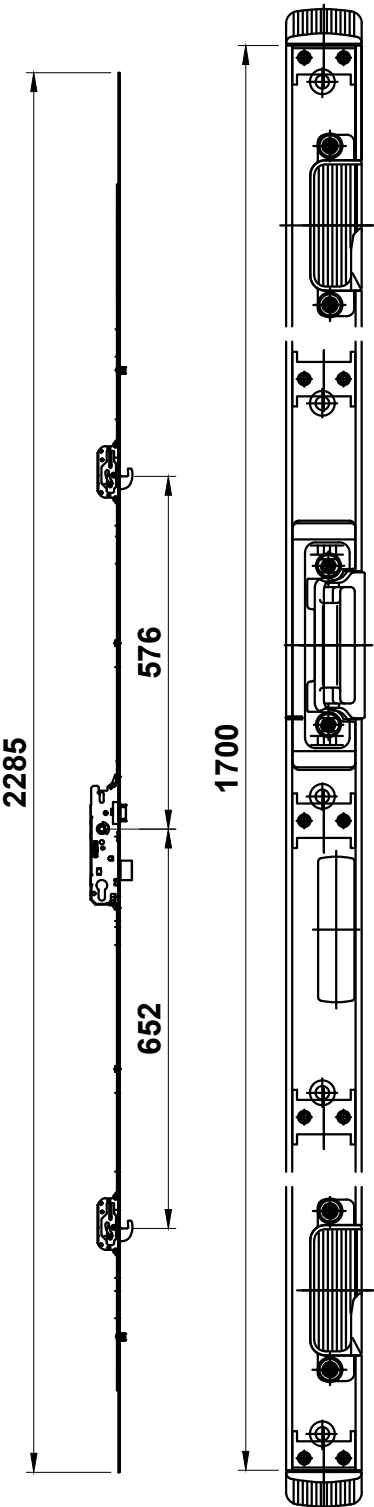
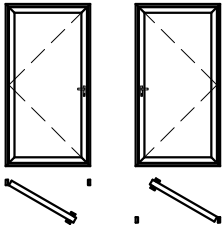
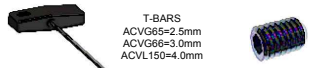
Image	Part Code	Pack	Unit	Application	Colour
	ACET282 Multi-point Lock Kit with Left Hand Full Height Keep Viewed Externally  Left Hand Open Out Right Hand Open In	1	pack	ACDV251 ACDV351 ACDV737 ACDV738 ACDV742 ACDV744 ETD024N ETD025N	MF SA KL HP M GOZ W Z PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour GOZ = Gold PC = Polished Chrome W = White Z = Black				

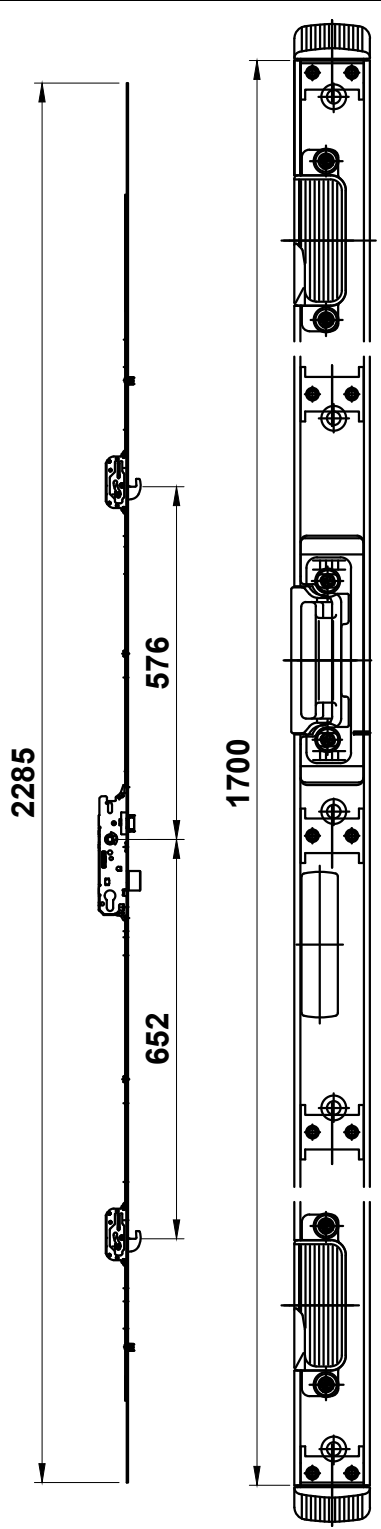
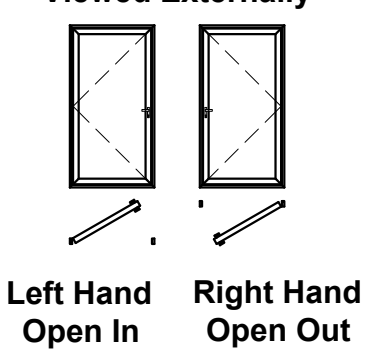
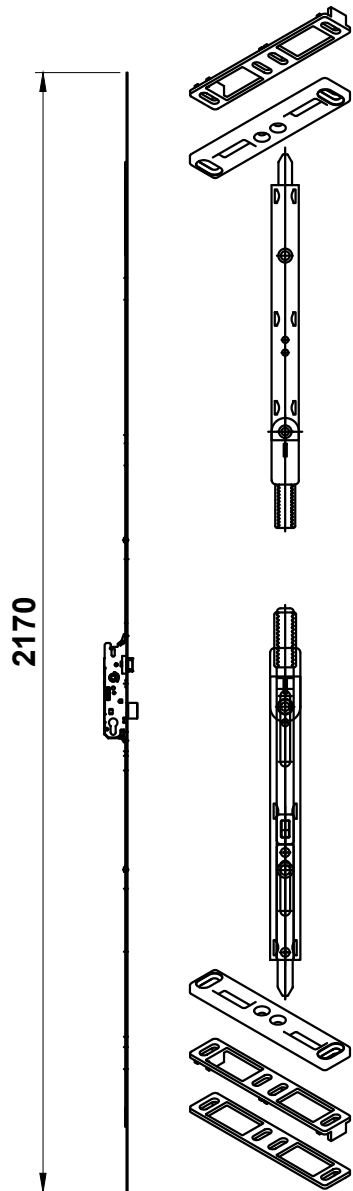
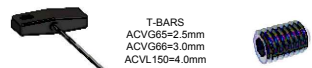
Image	Part Code	Pack	Unit	Application	Colour
	ACET283 Multi-point Lock Kit with Right Hand Full Height Keep Viewed Externally 	1	pack	ACDV251 ACDV351 ACDV737 ACDV738 ACDV742 ACDV744 ETD024N ETD025N	MF SA KL HP M GOZ W Z PC
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour GOZ = Gold PC = Polished Chrome W = White Z = Black				

Image	Part Code	Pack	Unit	Application	Colour
	ACET285 Secondary Door Lock Kit Kit Includes: • 1 x Lock • 1 x Top Shoot Bolt • 1 x Bottom Shoot Bolt • 2 x Double Keeps • 2 x Full Frame Keep Underplates • 1 x Low Threshold Keep Underplate	1	pack	ACDV251 ACDV351 ACDV742 ACDV744 ETD024N ETD025N	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
 T-BARS ACVG66=2.5mm ACVG66=3.0mm ACVL150=4.0mm Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour	GOZ = Gold PC = Polished Chrome W = White Z = Black			

ACCESSORIES : PHOTOS & DRAWINGS

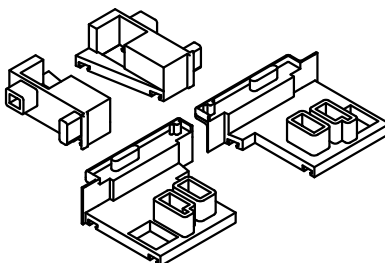
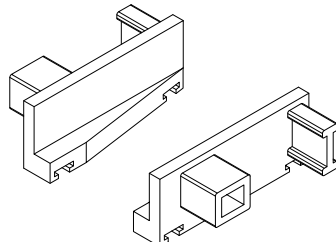
Image	Part Code	Pack	Unit	Application	Colour	
	ACET289 Double Door End Caps For Low Threshold Pack Includes: 1 Pair Primary Door End Caps 1 Pair Secondary Door End Caps	1	pack	ETD024N ETD025N ETD048 ETD197	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET291 End Caps for ETD197	1	pair	ETD197	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
					MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
					MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour GOZ = Gold PC = Polished Chrome W = White Z = Black				MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	

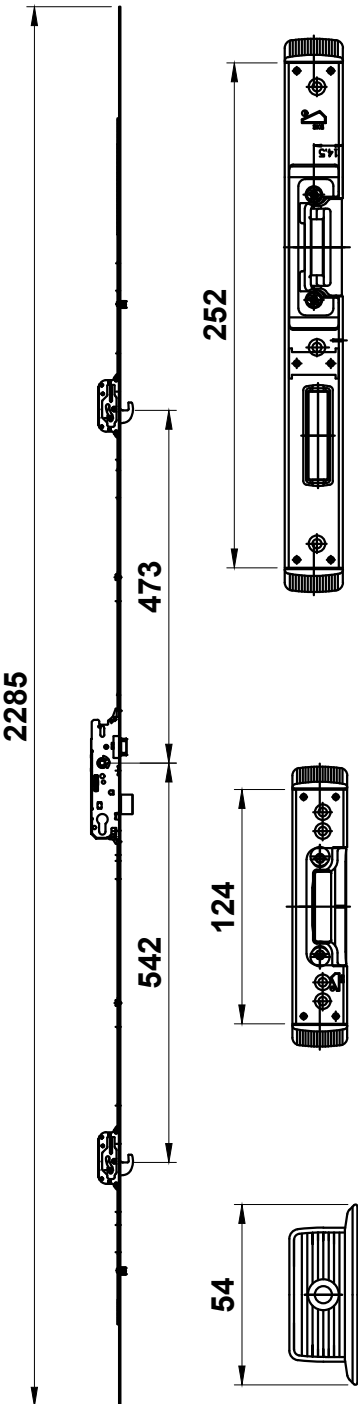
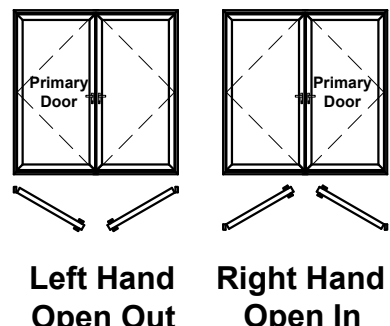
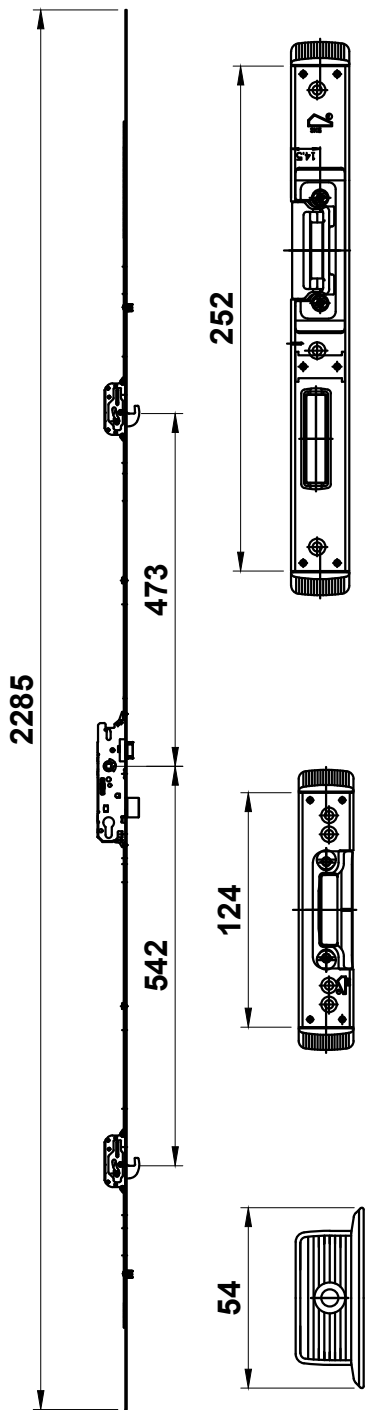
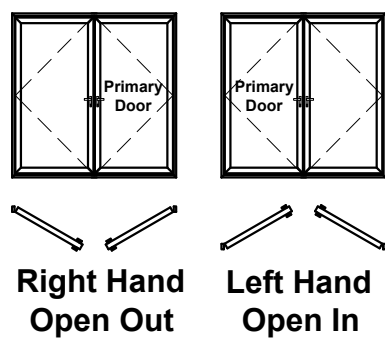
Image	Part Code	Pack	Unit	Application	Colour
	ACET292 Primary Door Lock Kit with Left Hand Keeps Kit Includes: • 1 x Lock • 1 x Left Hand Centre Keep • 2 x Hook Keeps • 2 x Roller Keeps Viewed Externally  Left Hand Open Out Right Hand Open In	1	pack	ACDV251 ACDV351 ACDV742 ACDV744 ETD024N ETD025N	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm		 Screw (Grub)		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour	GOZ = Gold PC = Polished Chrome W = White Z = Black

Image	Part Code	Pack	Unit	Application	Colour
	ACET293 Primary Door Lock Kit with Right Hand Keeps Kit Includes: • 1 x Lock • 1 x Right Hand Centre Keep • 2 x Hook Keeps • 2 x Roller Keeps Viewed Externally 	1	pack	ACDV251 ACDV351 ACDV742 ACDV744 ETD024N ETD025N	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
 	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black		

ACCESSORIES : PHOTOS & DRAWINGS

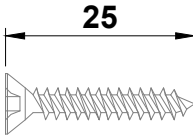
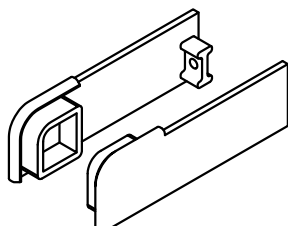
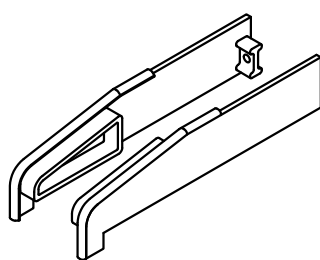
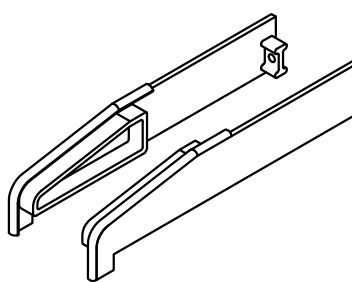
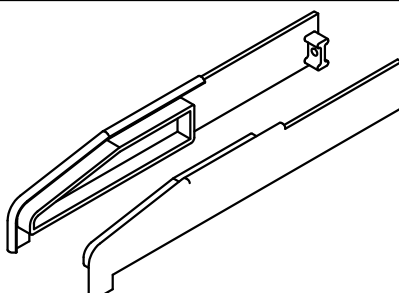
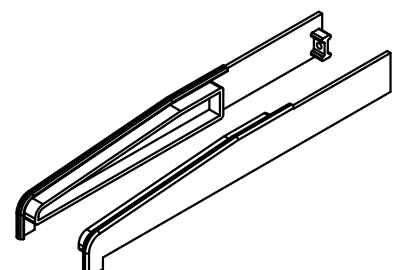
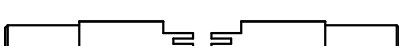
Image	Part Code	Pack	Unit	Application	Colour	
	ACET390 25mm Polyamide Screw	1000	pack	ACET259	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACET351 High Security Lever/Lever Handle	1	pair	ACET282 ACET283 ETD024N ETD025N	MF	
					SA	✓
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	✓
	ACET451 Cast Cill End Caps	1	pair	ETC451	MF	✓
					SA	
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET452 Cast Cill End Caps	1	pair	ETC452	MF	✓
					SA	
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET457 Cast Cill End Caps	1	pair	ETC457	MF	✓
					SA	
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				
		GOZ = Gold PC = Polished Chrome W = White Z = Black				

Image	Part Code	Pack	Unit	Application	Colour	
	ACET458 Cast Cill End Caps	1	pair	ETC458	MF	
					SA	
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET479 Cast Cill End Caps	1	pair	ETC479	MF	✓
					SA	
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACET835 External Captive Bead Gasket - Low Line Alternative to ACET035	200	mtr		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACET913 Crimping Punches	1	pair	ETC046	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACET939 Punch Tool	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black		

ACCESSORIES : PHOTOS & DRAWINGS

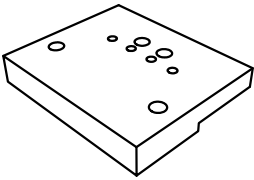
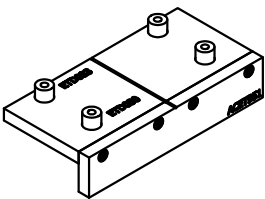
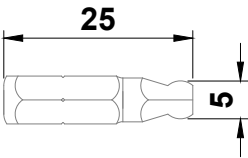
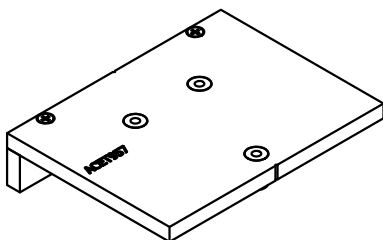
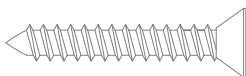
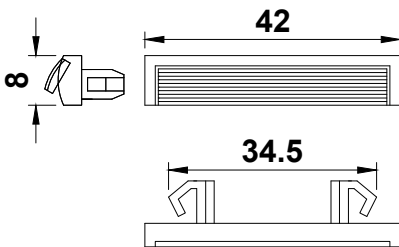
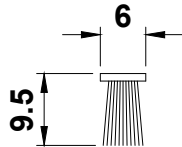
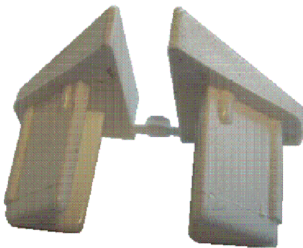
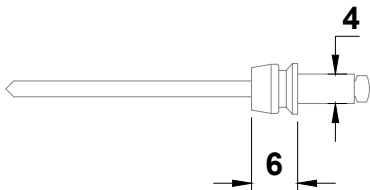
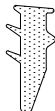
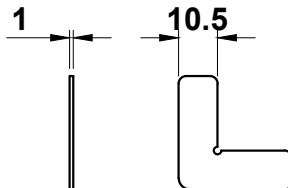
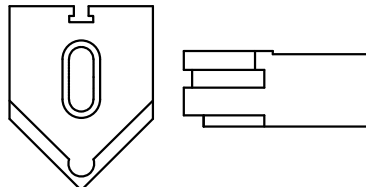
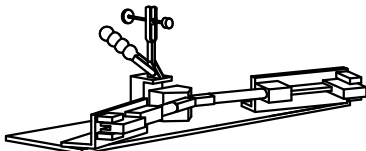
Image	Part Code	Pack	Unit	Application	Colour
	ACET950 Drill Jig for ACET250	1	each	ACET250 ETD012 ETD015 ETD017 ETD024N ETD025N	MF SA KL HP M GOZ W Z PC
	ACET951 Drill Jig for ETD030 & ETD033	1	each	ETD030 ETD033	MF SA KL HP M GOZ W Z PC
	ACET952 Ø7.2mm Drill Bit	1	each	ACET250	MF SA KL HP M GOZ W Z PC
	ACET953 9mm Spanner with 5mm Hex	1	each	ACET250	MF SA KL HP M GOZ W Z PC
	ACET954 5mm Ball Ended Bit	1	each	ACET250	MF SA KL HP M GOZ W Z PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm  Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black		

Image	Part Code	Pack	Unit	Application	Colour
	ACET955 Angle Driver	1	each	ACET250	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACET957 Drill Jig for ETD034	1	each	ETD034	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM062 No. 10 x 2" CSK S/S Self Tapper	100	pack		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACGSL045 Drainage Cap	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACSH038N Brush Pile	225	mtr	ETD197	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black		

ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour	
	ACSH471 Letter Plate Set Outside dimensions-265mm x 70mm with brush fitting Please note: ACSH471 does not comply with BS EN 13724:2002	1	each	ETD030 ETD033	MF	✓
					SA	✓
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
						ACVG31 Gasket
SA						
KL						
HP						
M						
GOZ						
W						
Z	✓					
PC						
	ACVG34 Gasket	100	mtr	ETC161 ETC164		
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
						ACVL059 End Caps
SA						
KL						
HP						
M						
GOZ						
W	✓					
Z	✓					
PC						
	ACVL061 Rivet to secure VL72	100	pack	VL72		
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
					 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	
		GOZ = Gold PC = Polished Chrome W = White Z = Black				

ACCESSORIES : PHOTOS & DRAWINGS

Image	Part Code	Pack	Unit	Application	Colour	
	ACVL159 Super Glue	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACW20034 4mm Wedge Gasket	100	mtr		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	WCA106 Chevron	100	pack	ETD024N ETD025N	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	WCT072 Vee Block	1	each	ETC046	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	WUT024HSZA Manual Crimper Note: Vee blocks & punches are sold separately	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour		GOZ = Gold PC = Polished Chrome W = White Z = Black		

ACCESSORIES : PHOTOS & DRAWINGS

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

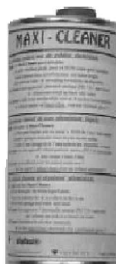
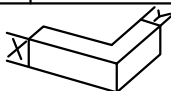
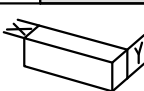
Image	Part Code	Pack	Unit	Application	Colour	
	ACMX09700 Alu. Polish	1	each		MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACMX09761 Maxi Gloss	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACMX09762 Alu. Bright	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACMX09763 Teflon Spray	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACMX09764 Maxi Clean	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		 

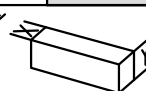
Image	Part Code	Pack	Unit	Application	Colour
	ACMX09765 Alu. Cleaner	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACMX09770 Roll & Wrap 100mm	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACMX09775 Grip Handwrap	1	each		MF
					SA
					KL
					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	 	

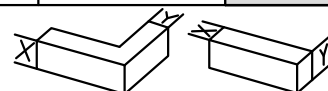
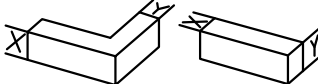
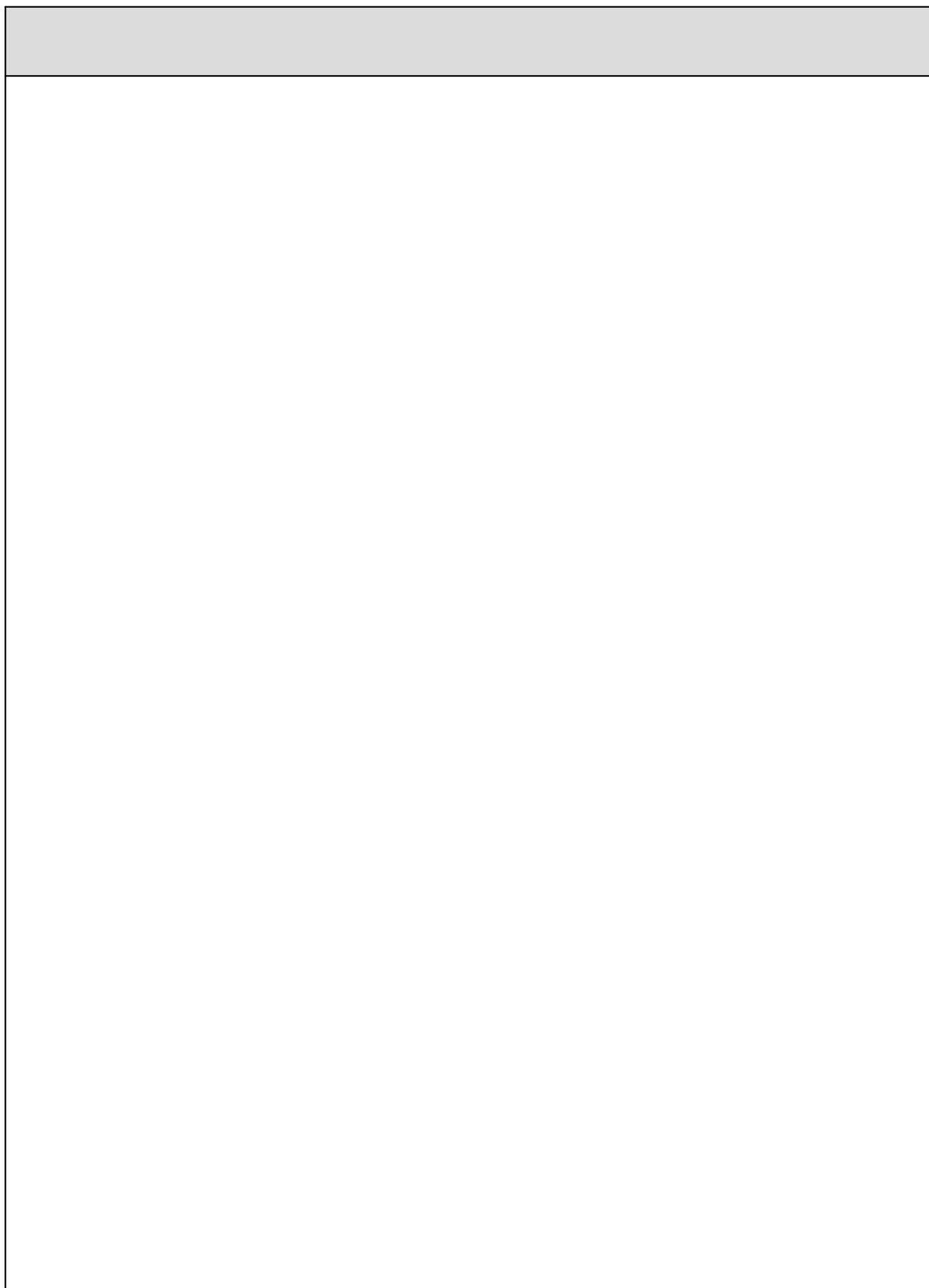
Image	Part Code	Pack	Unit	Application	Colour
	ACMX09803 Protective Tape 100mm	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACMX09830 Rubber Sealant	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACSIL04 Sealing Glue Order with suffix of KL colour (eg.ACSIL04KL005) or BL=Black/WP=White/ CL=Clear	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACSIL08 Silicon Gun	1	each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACSIL013 Glue for Mitre	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
	ACSIL014 Anti-Corrosion Coating	1	each		MF ☒
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐
					MF ☐
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐
					MF ☐
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐
					MF ☐
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour				MF ☐
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐
	M = Dual Colour GOZ = Gold W = White Z = Black				MF ☐
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐
					MF ☐
					SA ☐
					KL ☐
					HP ☐
					M ☐
					GOZ ☐
					W ☐
					Z ☐
					PC ☐

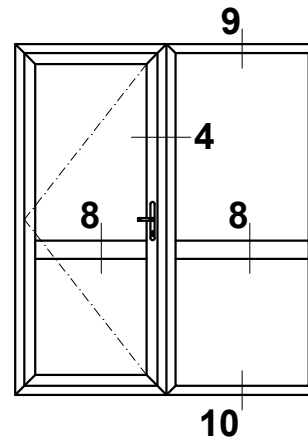
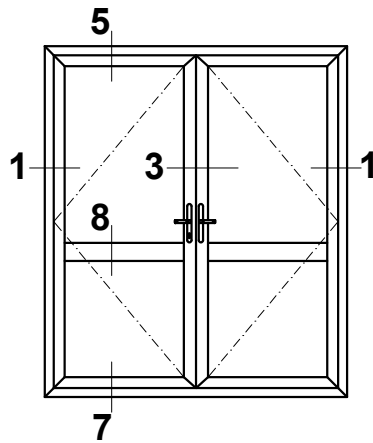
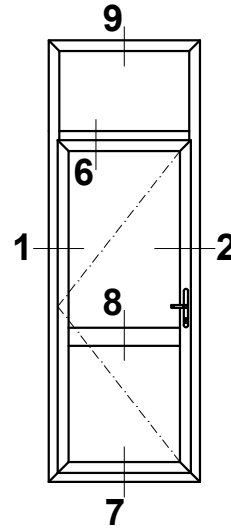
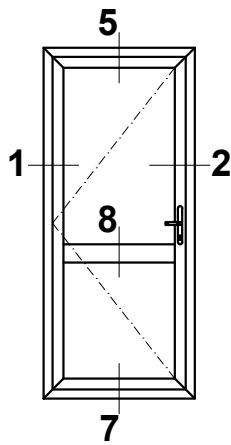
Section C

Sections

Scale Elevations

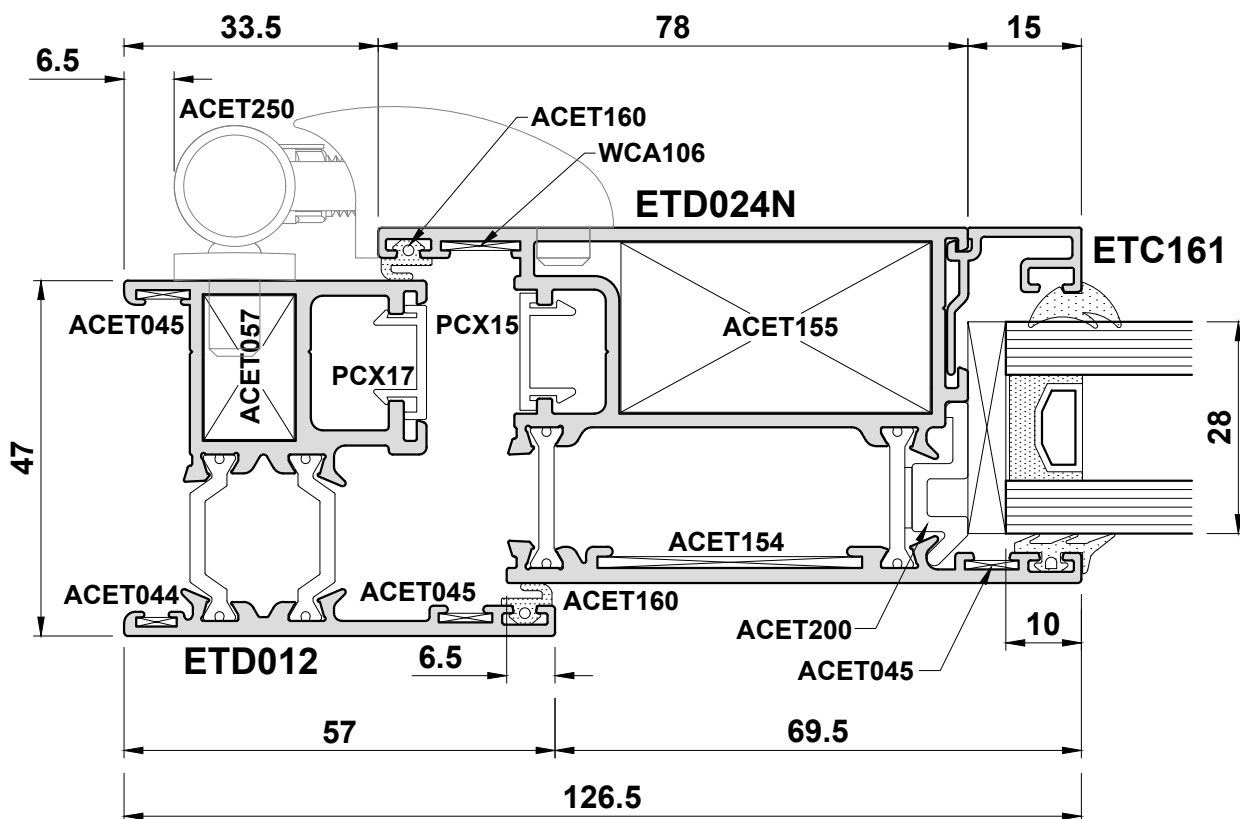
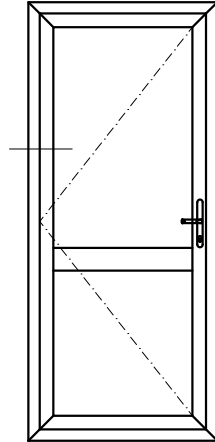


Open In



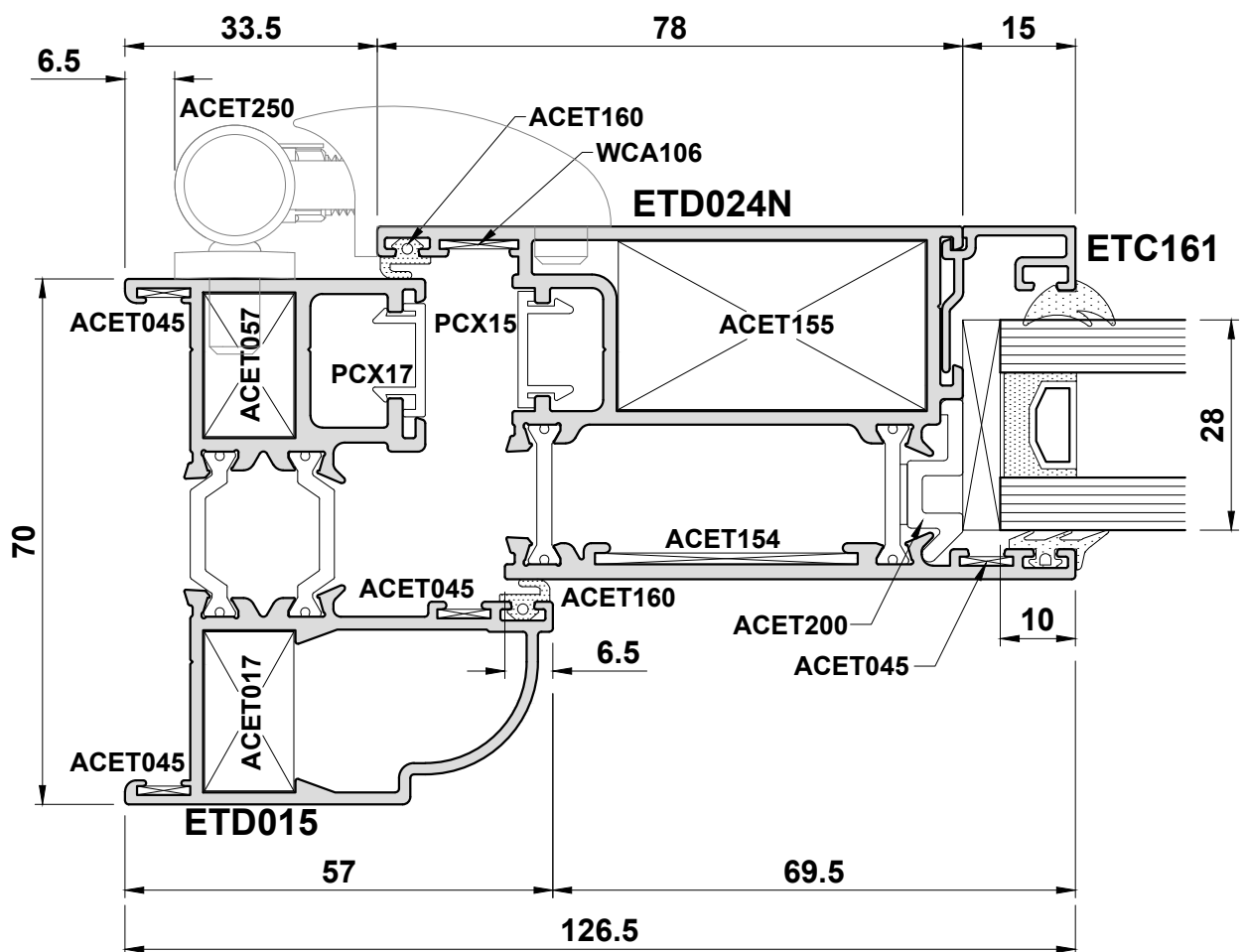
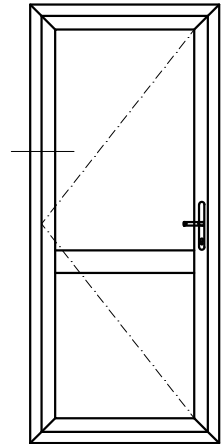
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Detail 1A



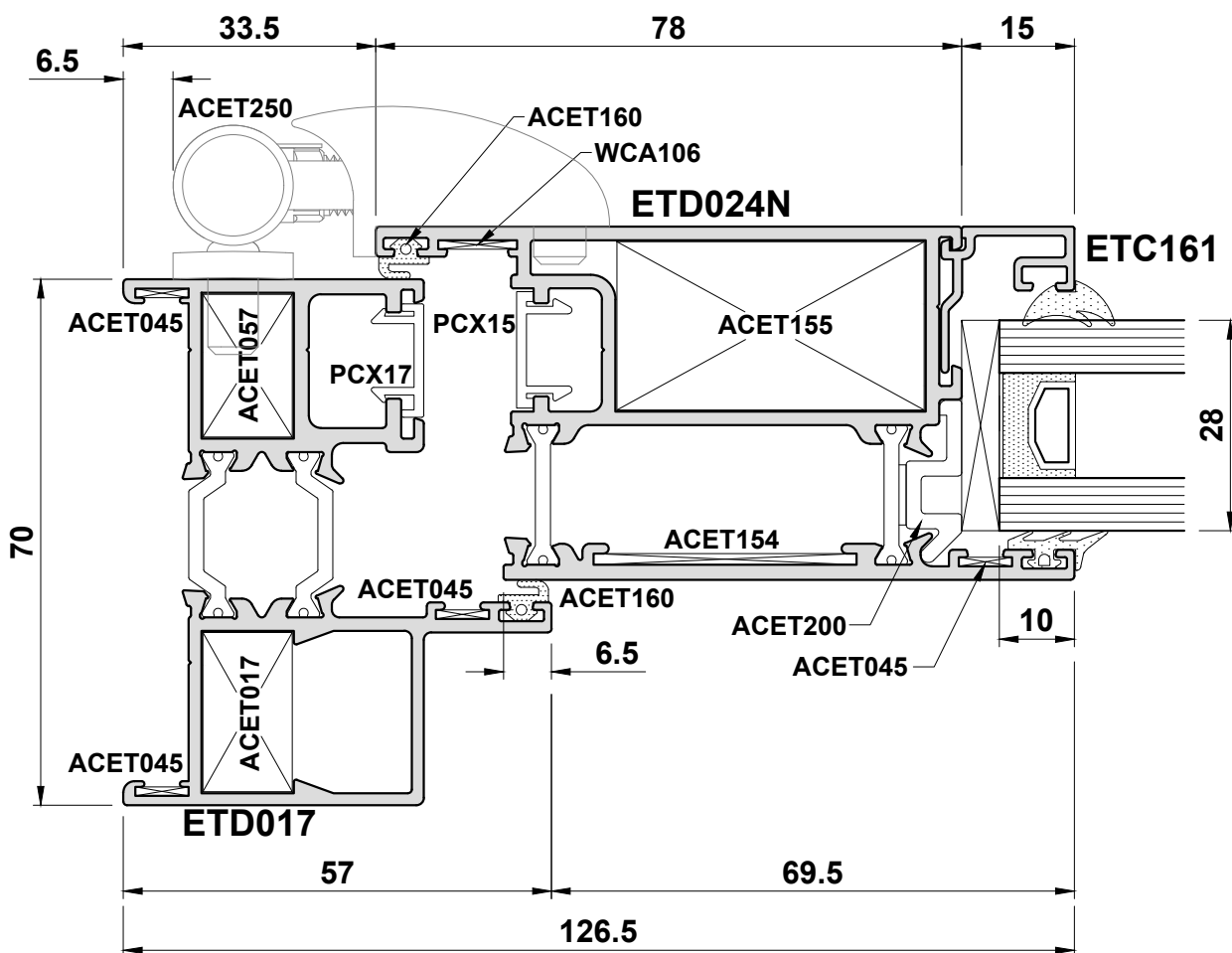
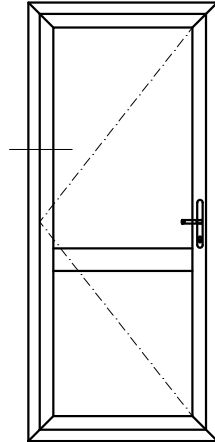
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Detail 1B



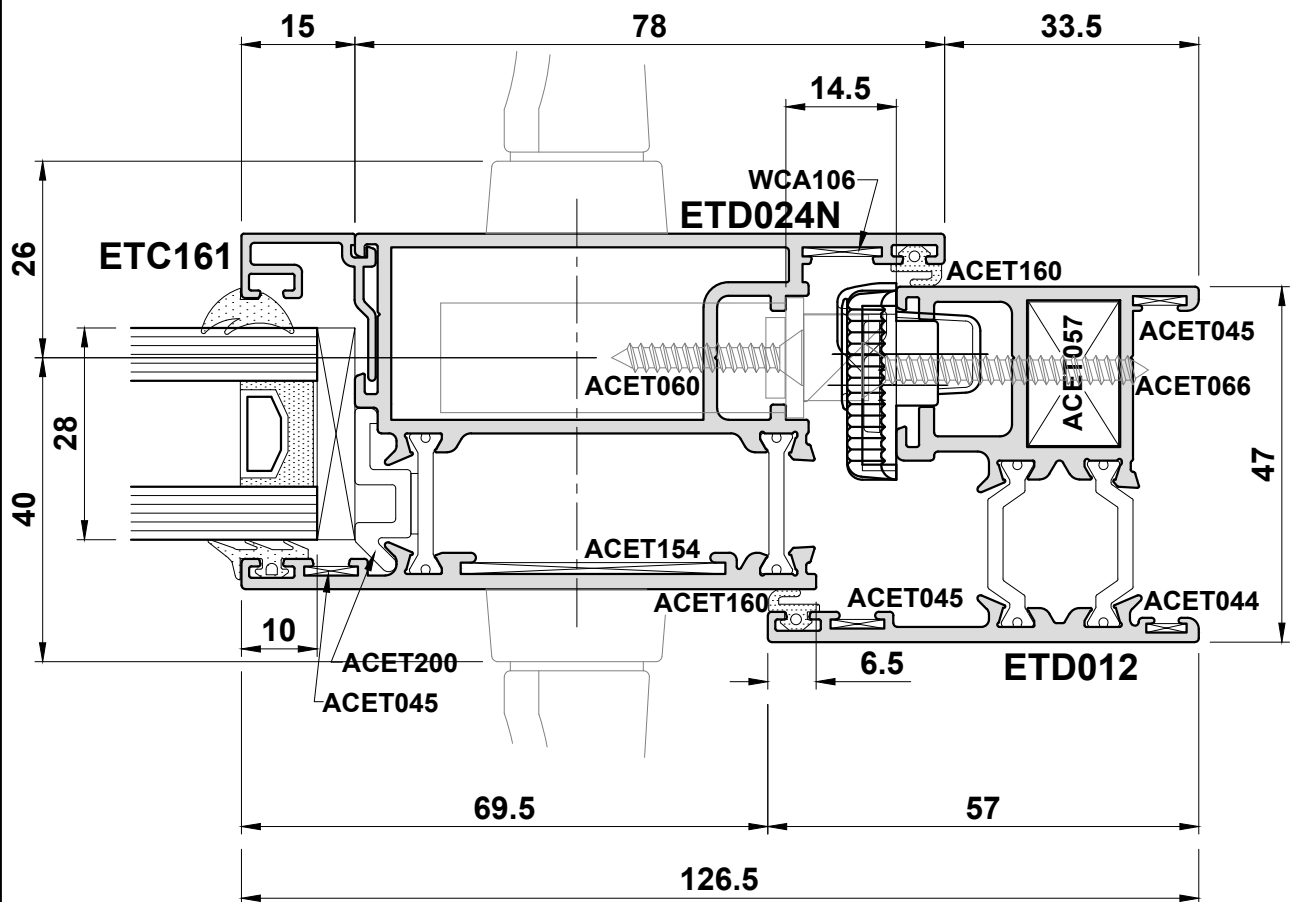
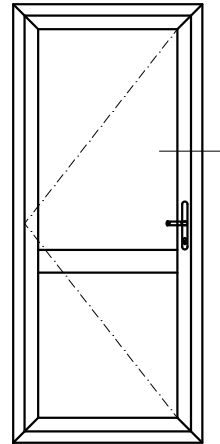
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Detail 1C



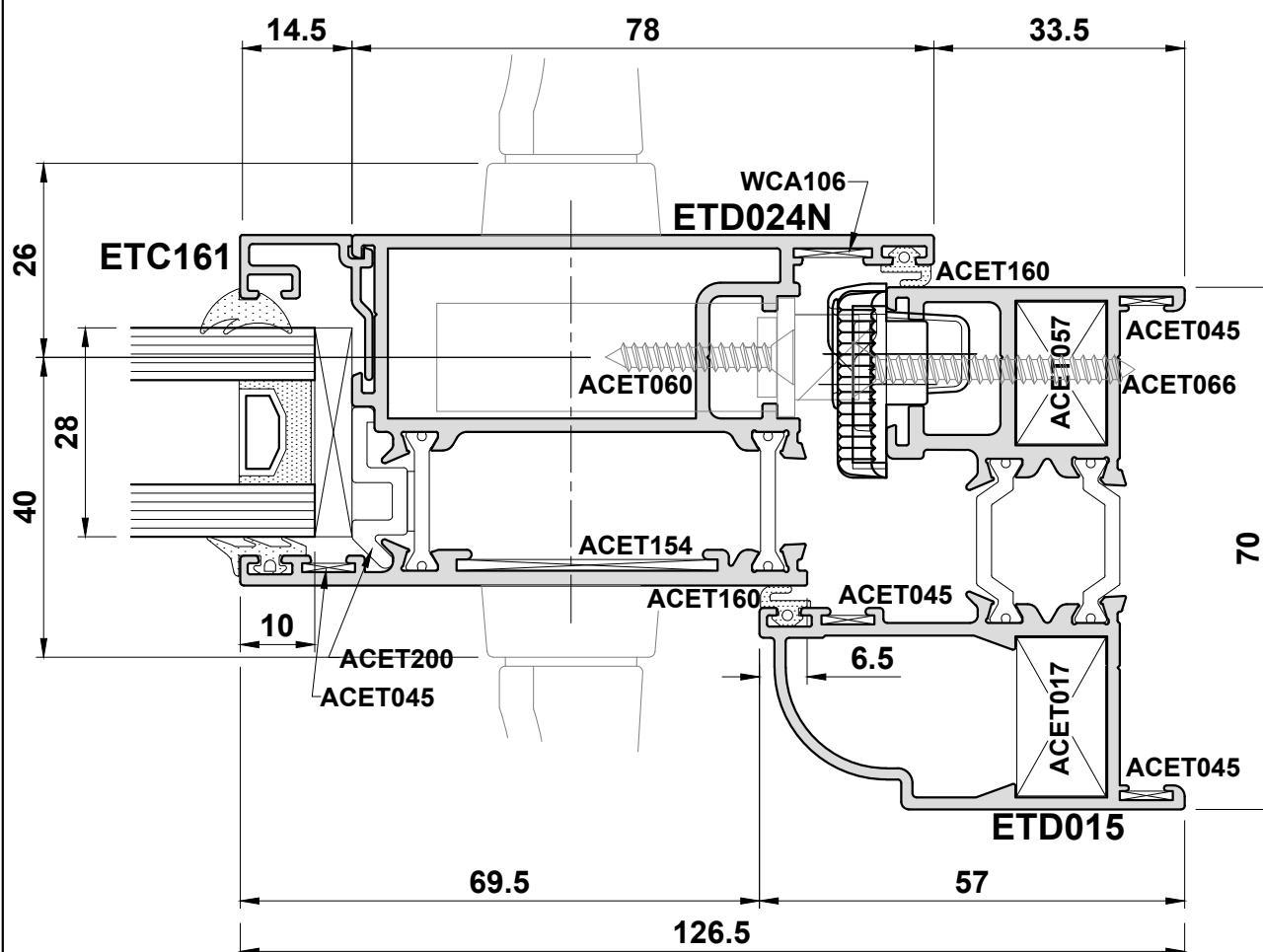
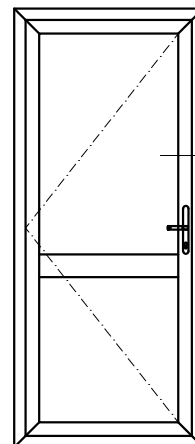
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Detail 2A



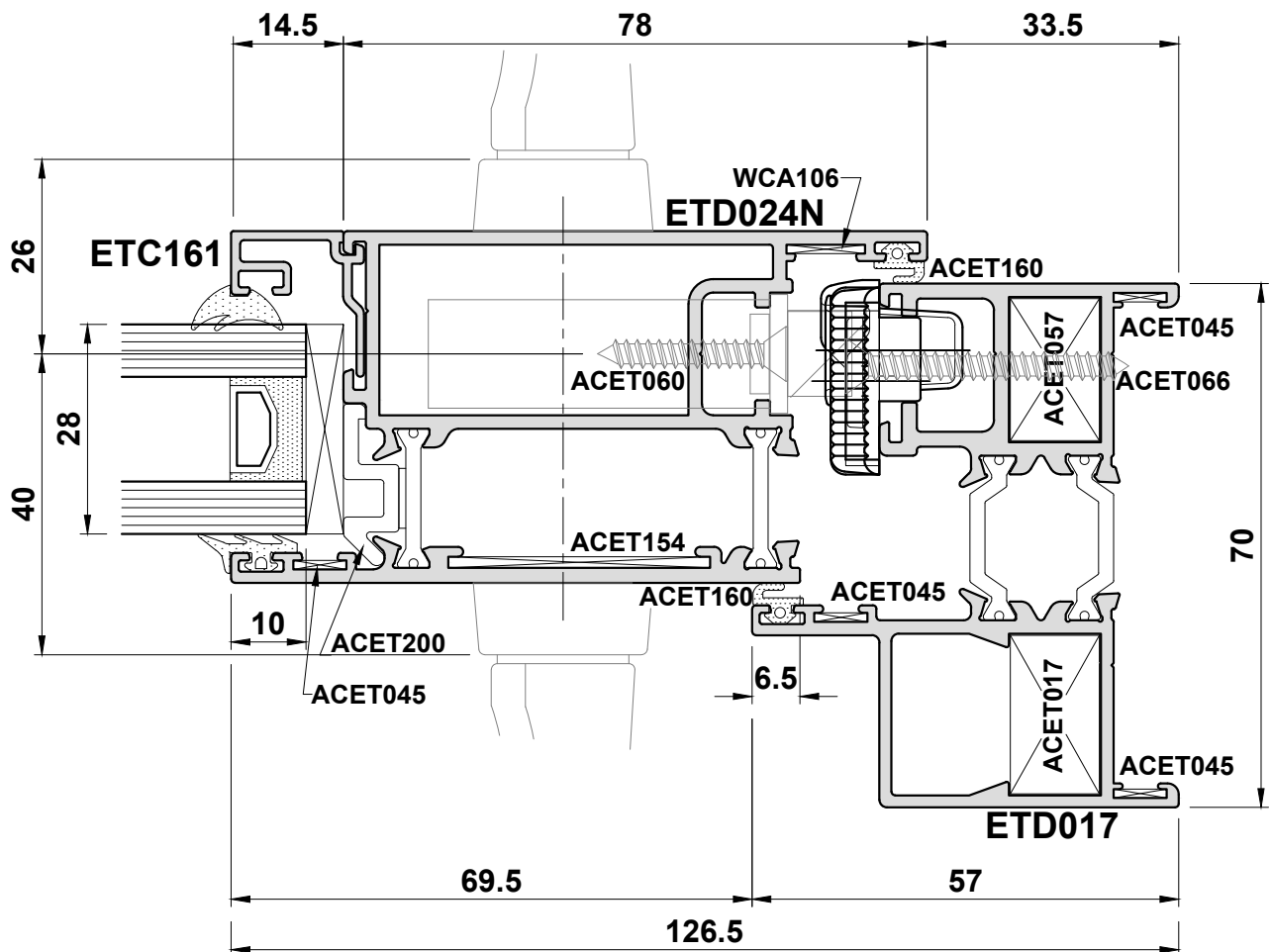
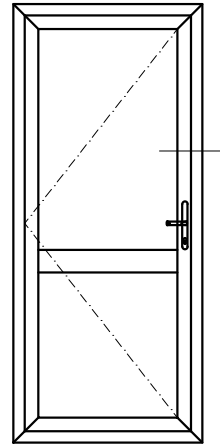
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Detail 2B



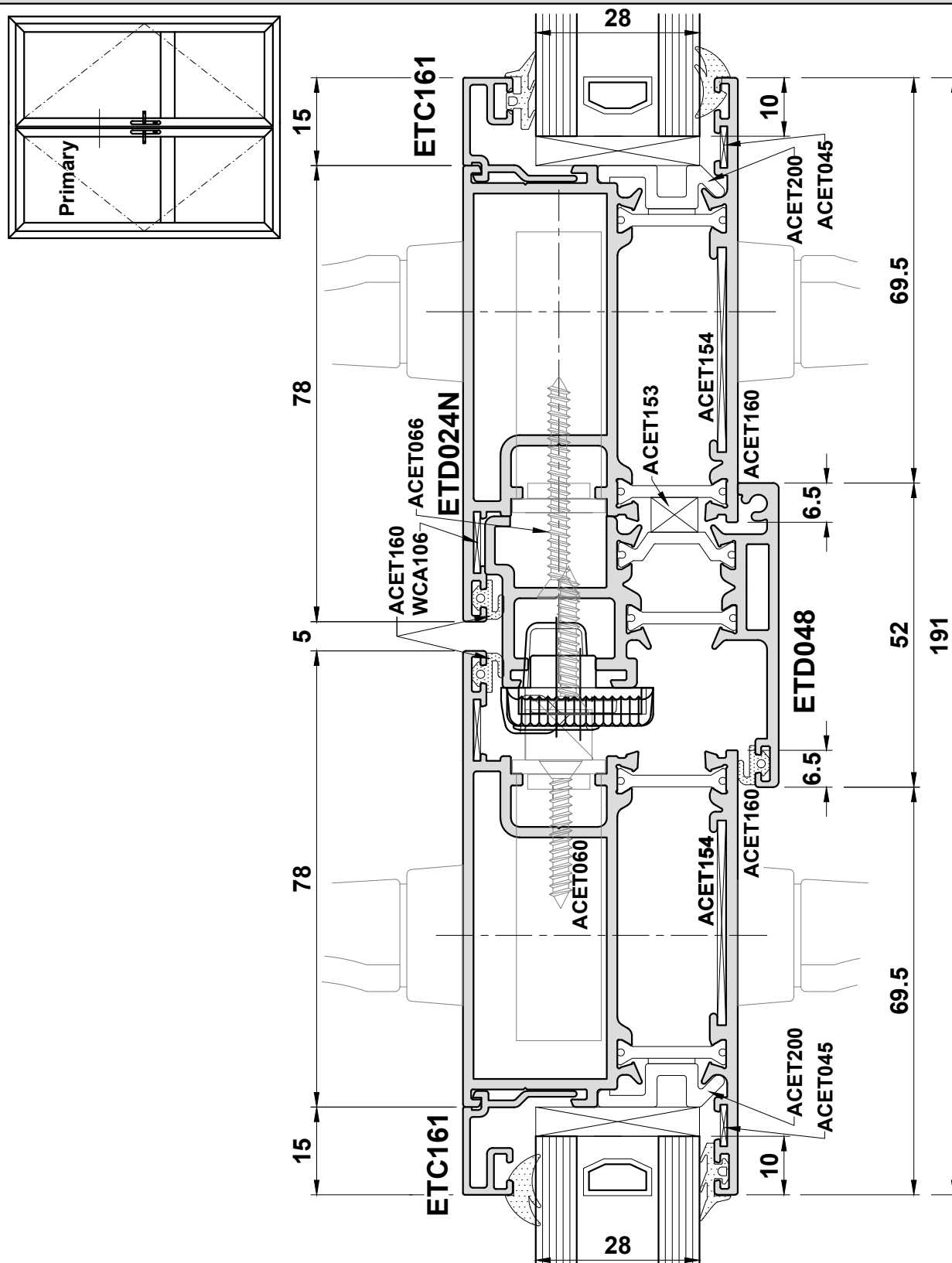
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Detail 2C



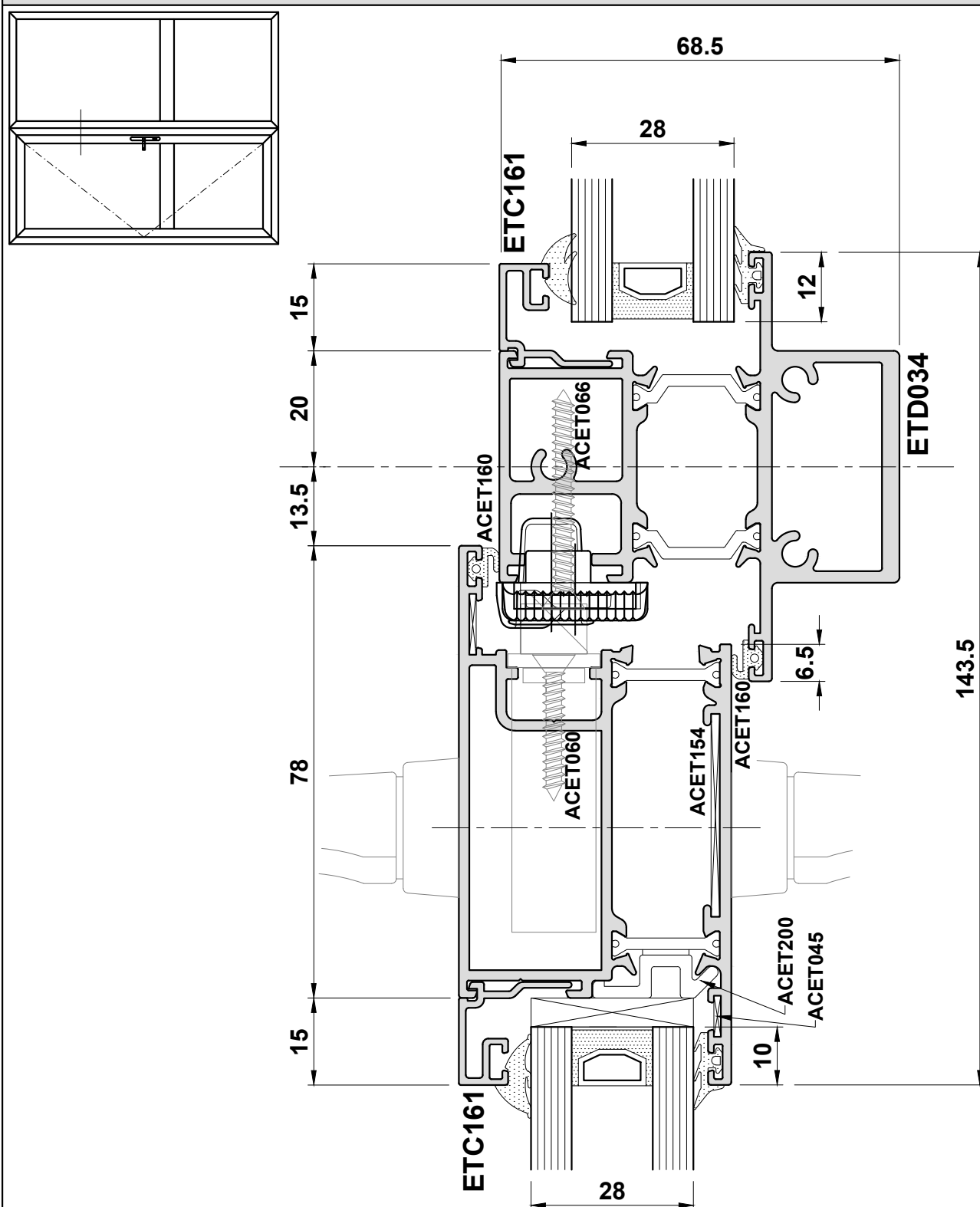
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Detail 3



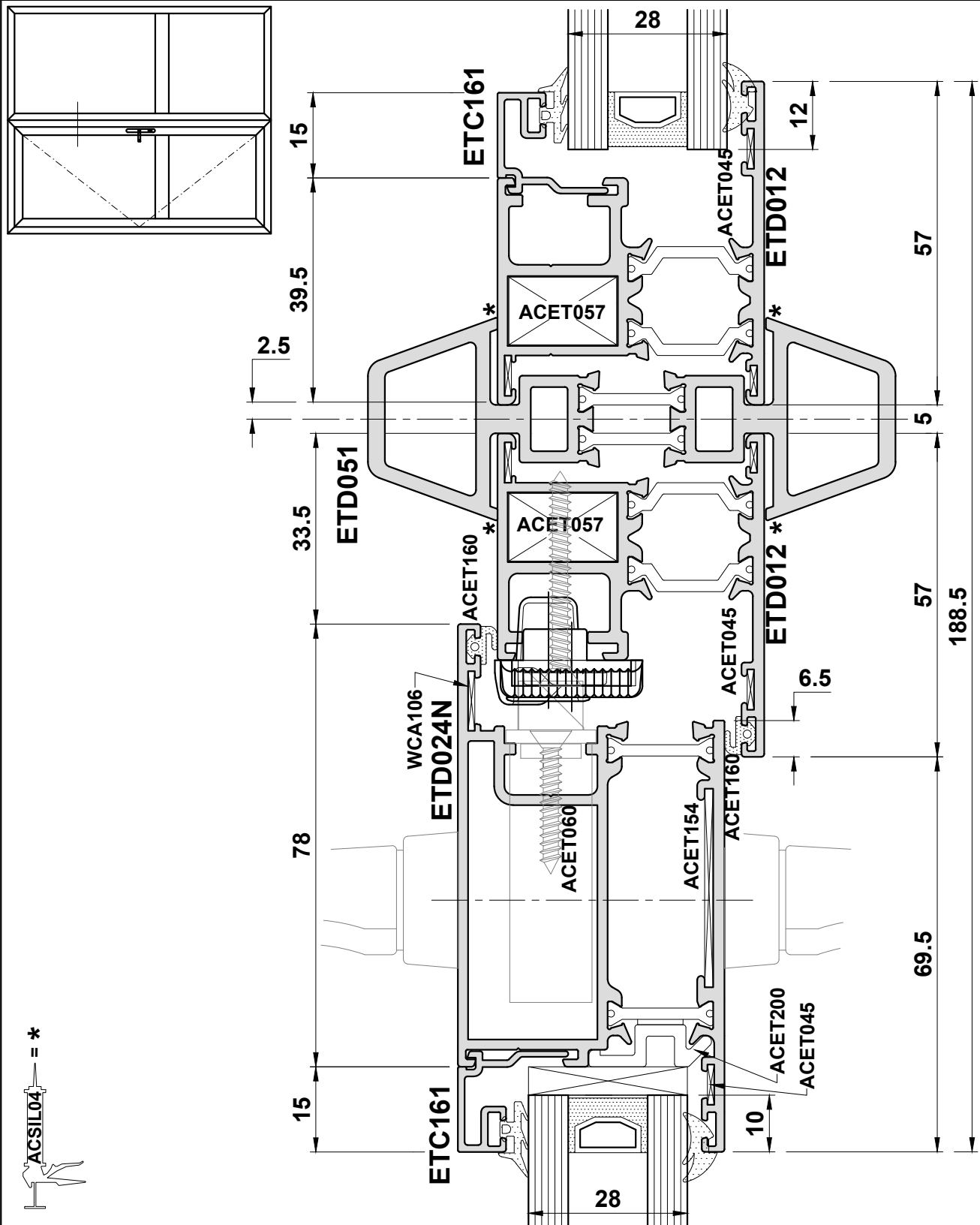
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Detail 4A



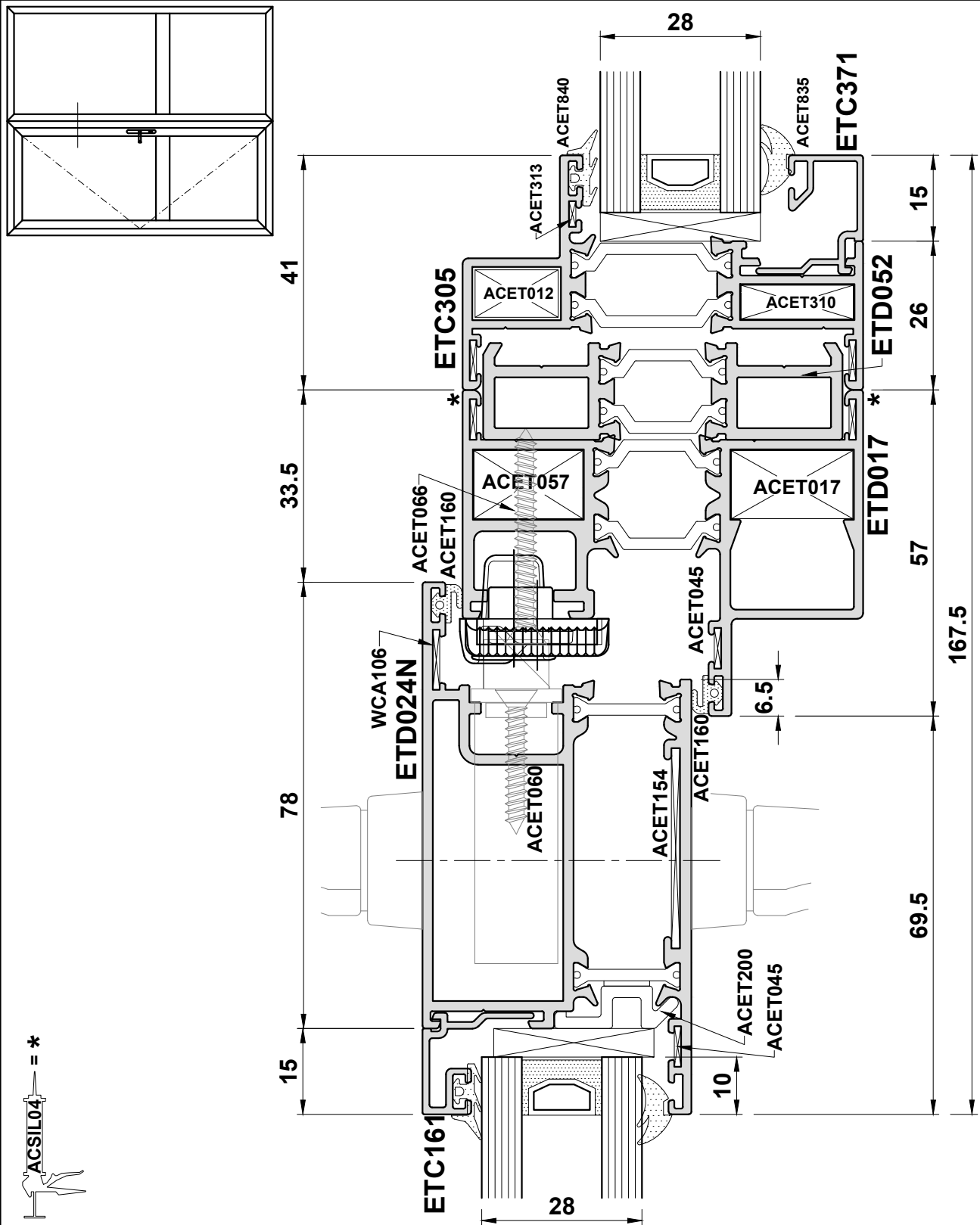
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Detail 4B



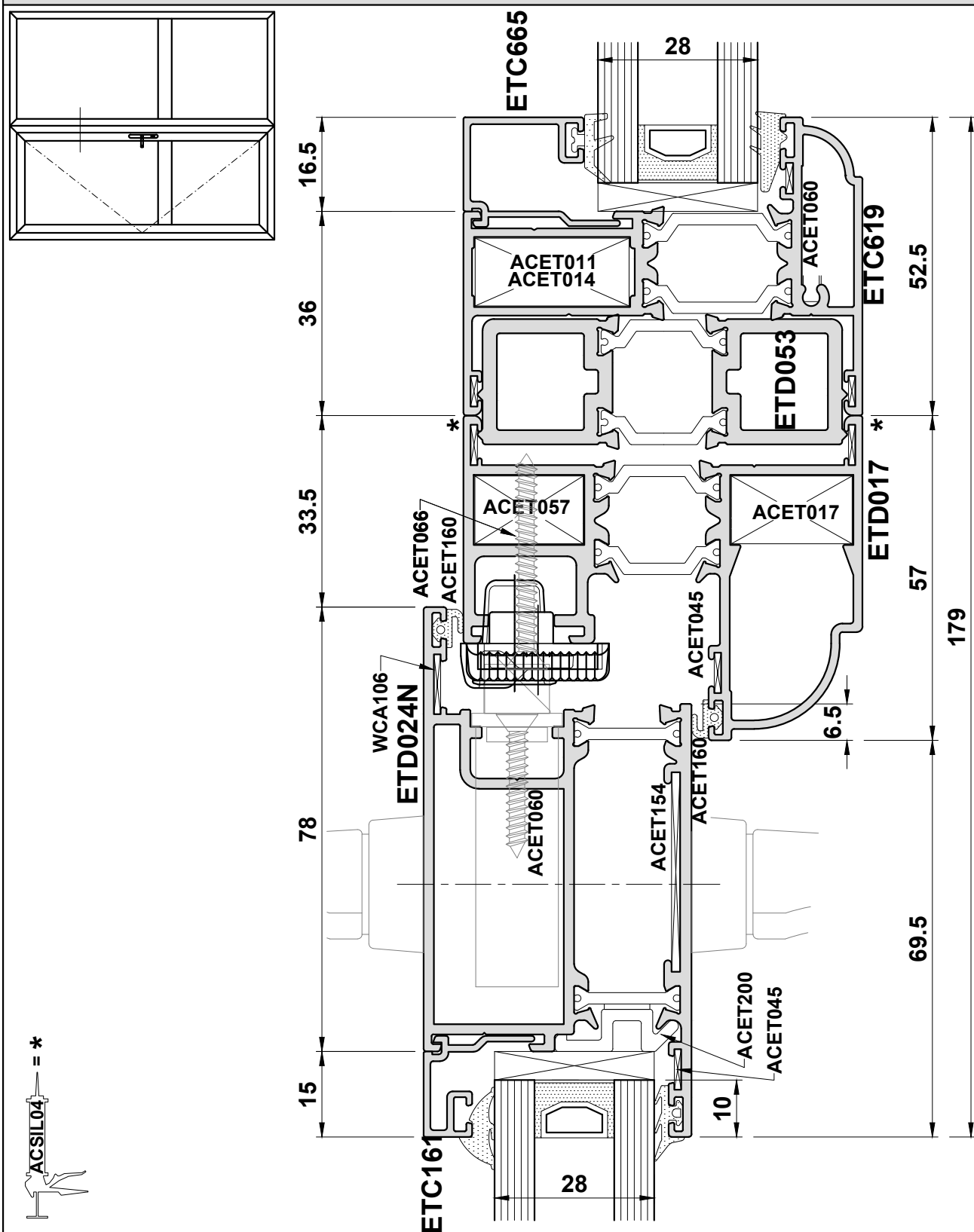
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Detail 4C



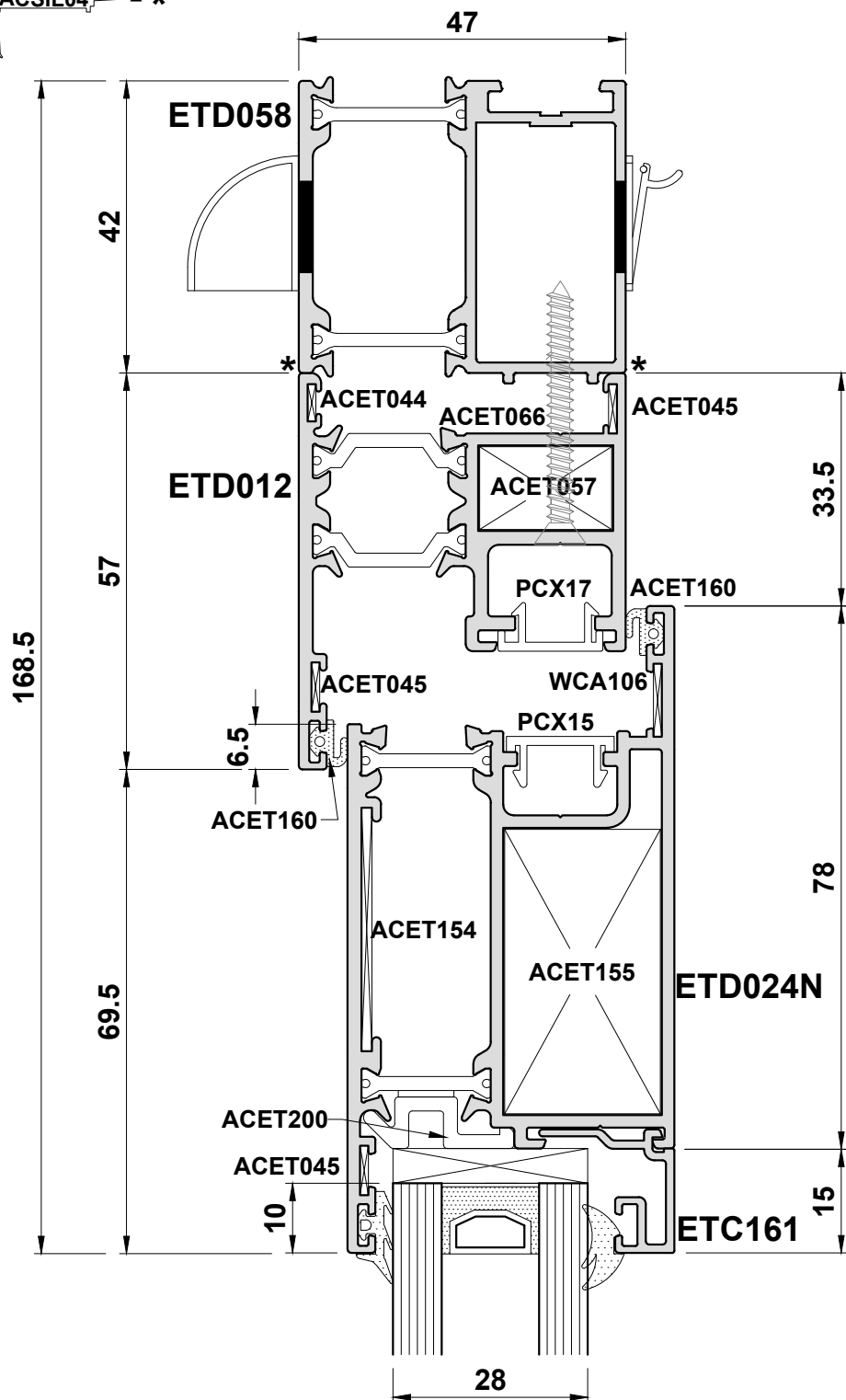
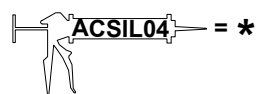
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Detail 4D



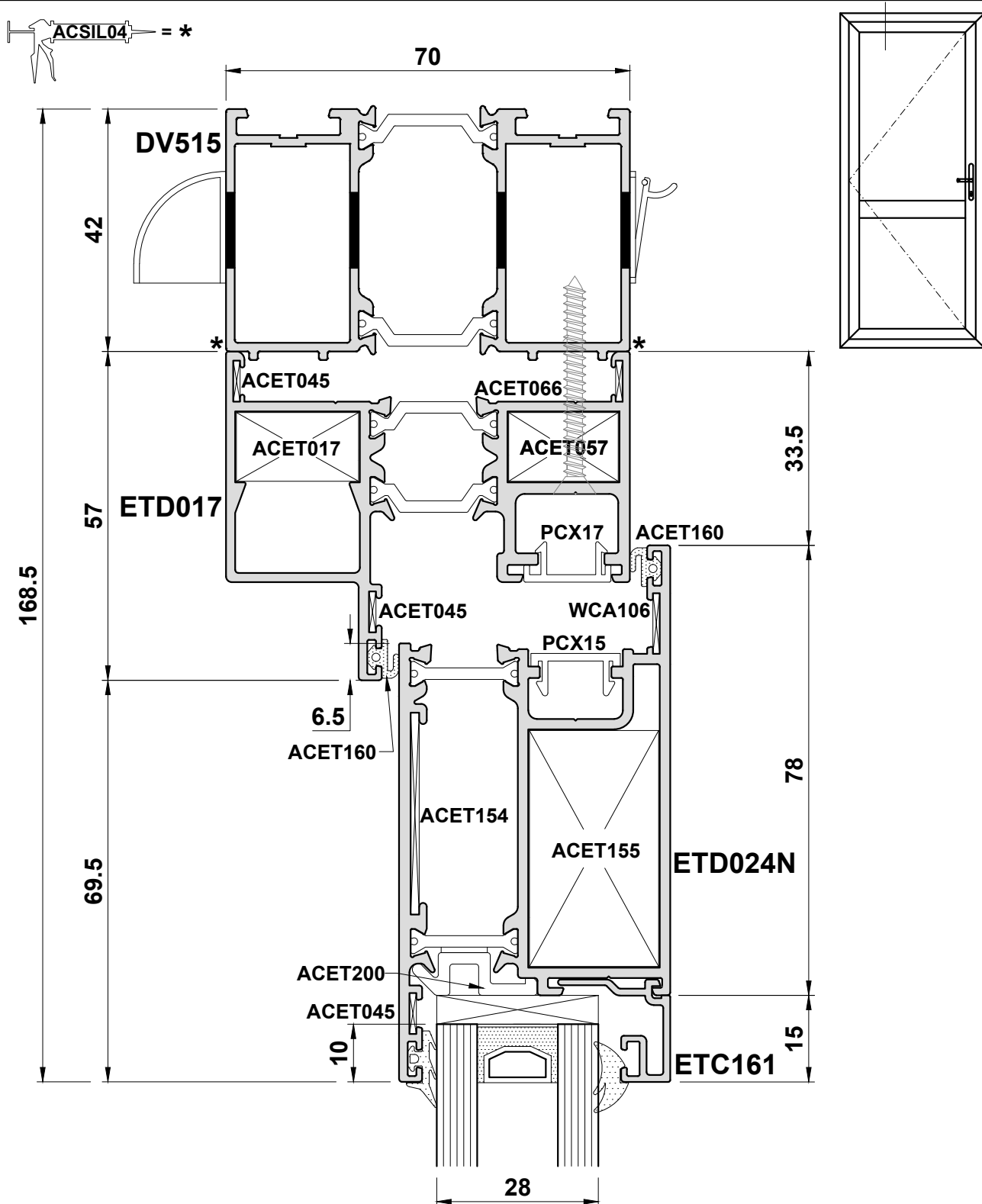
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Detail 5A



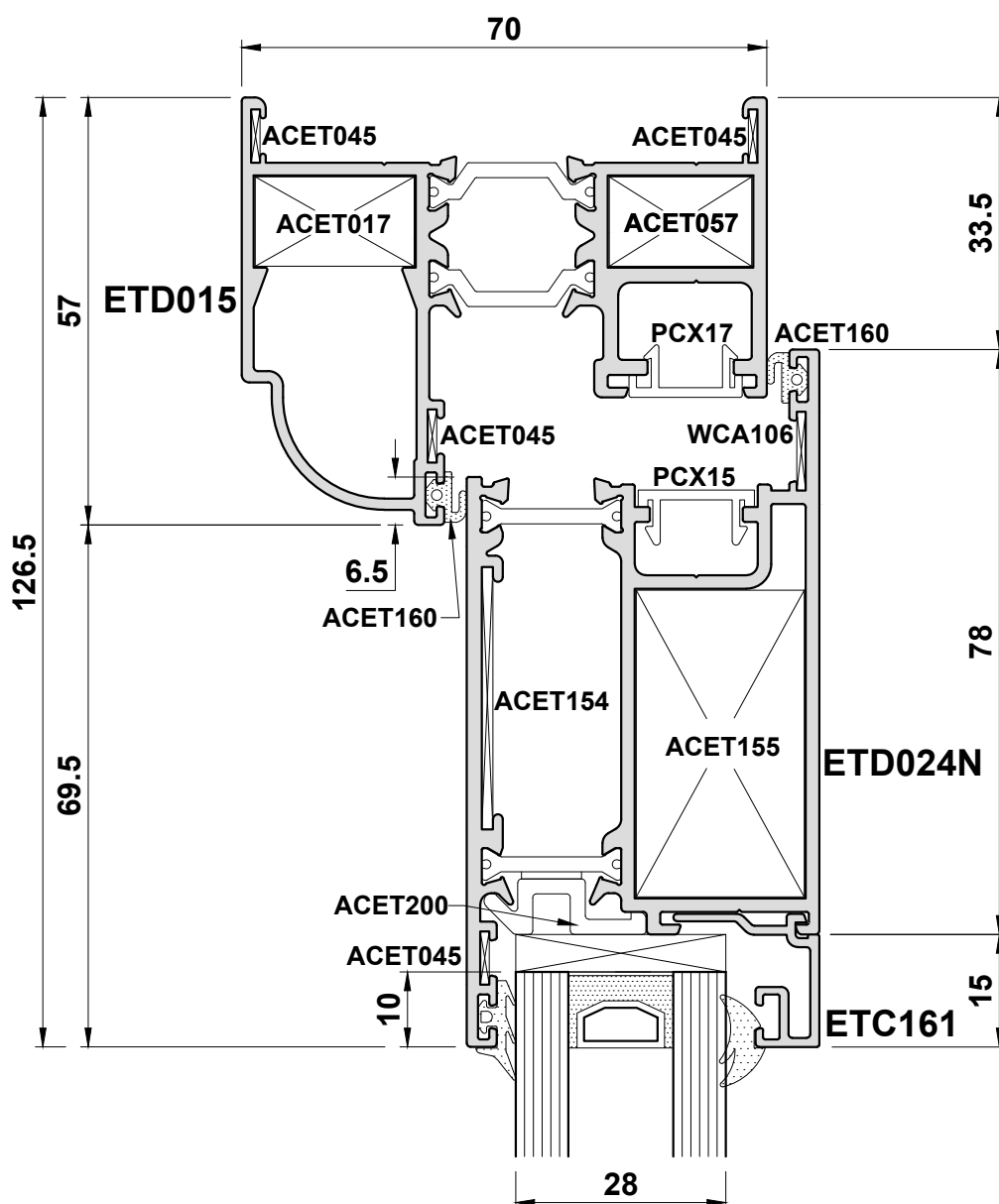
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Detail 5B



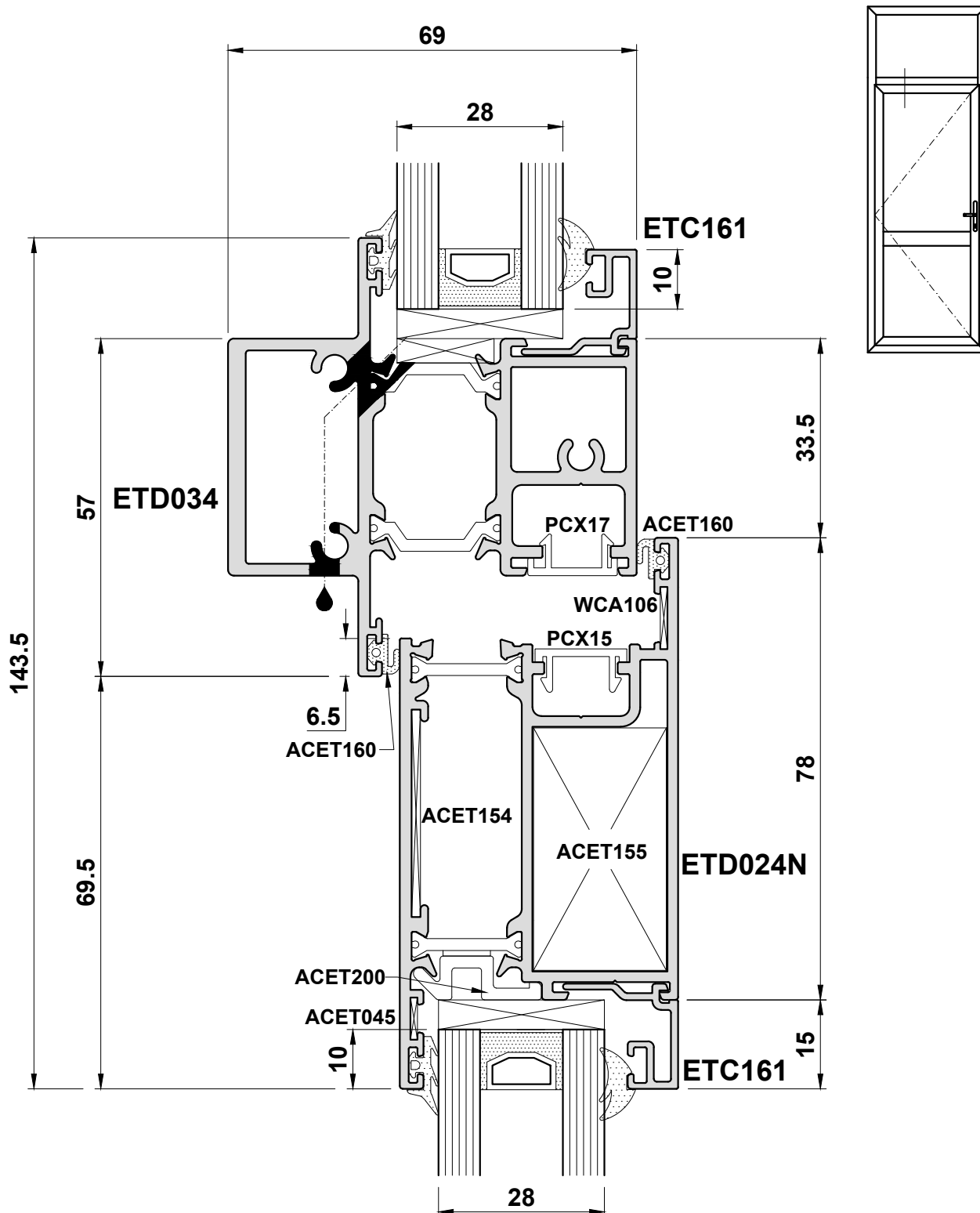
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Detail 5C



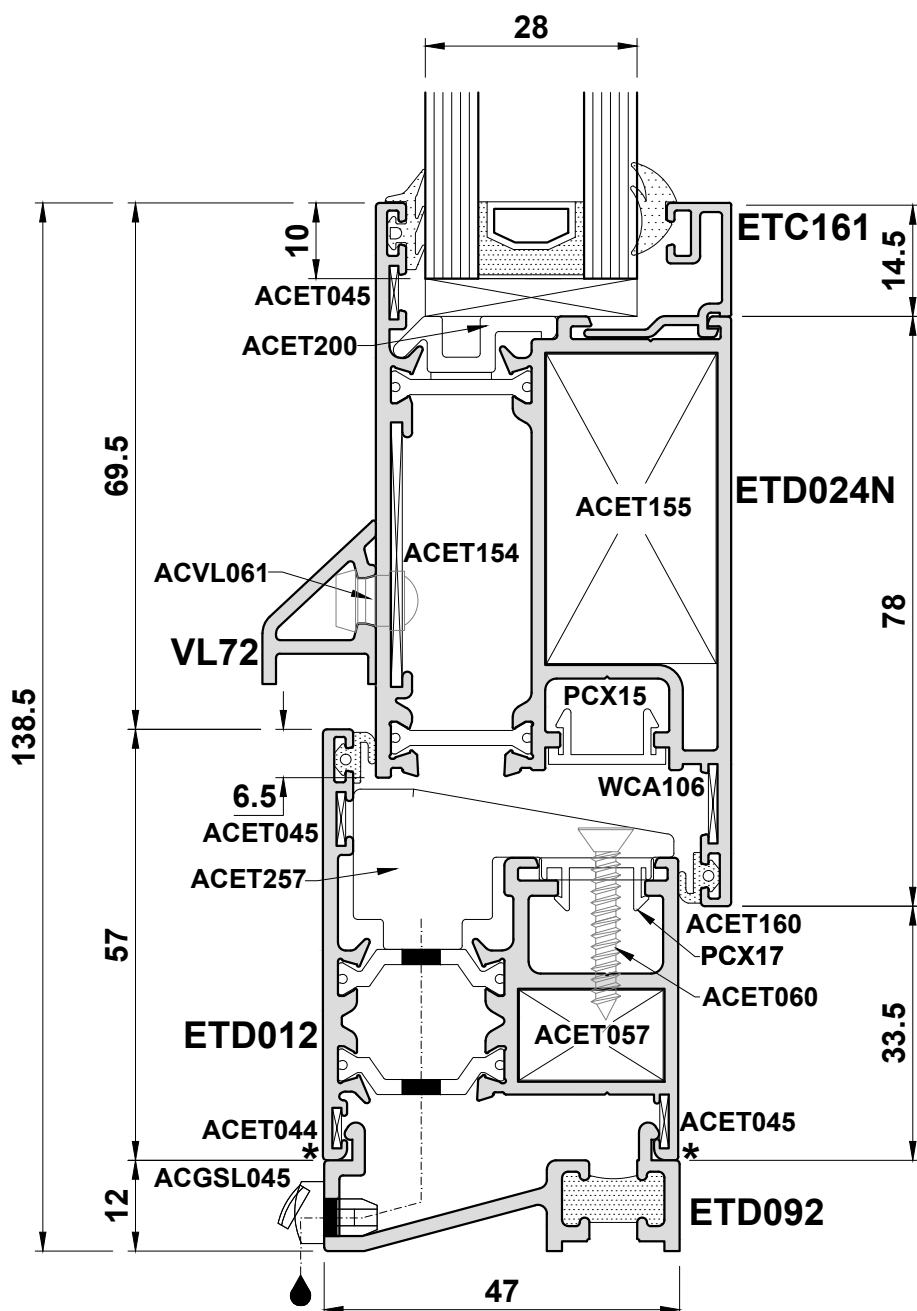
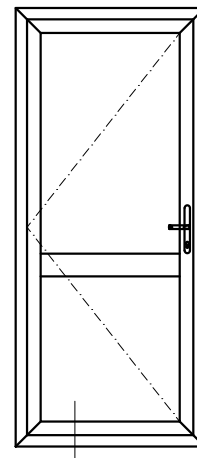
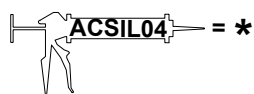
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Detail 6



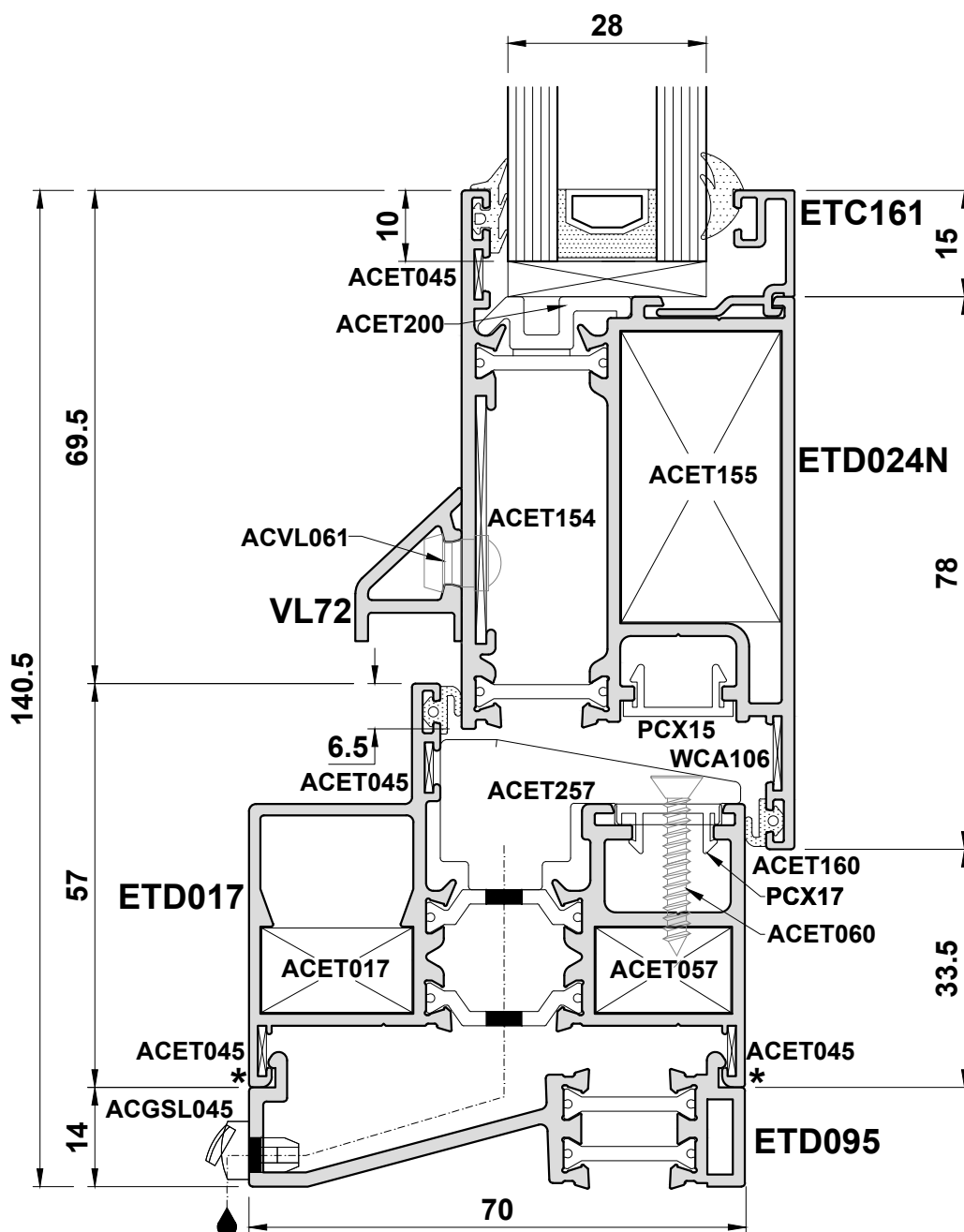
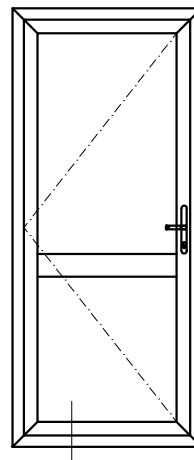
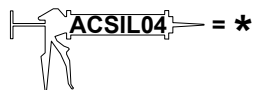
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Detail 7A



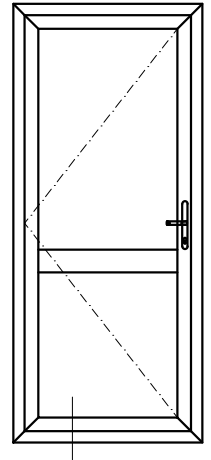
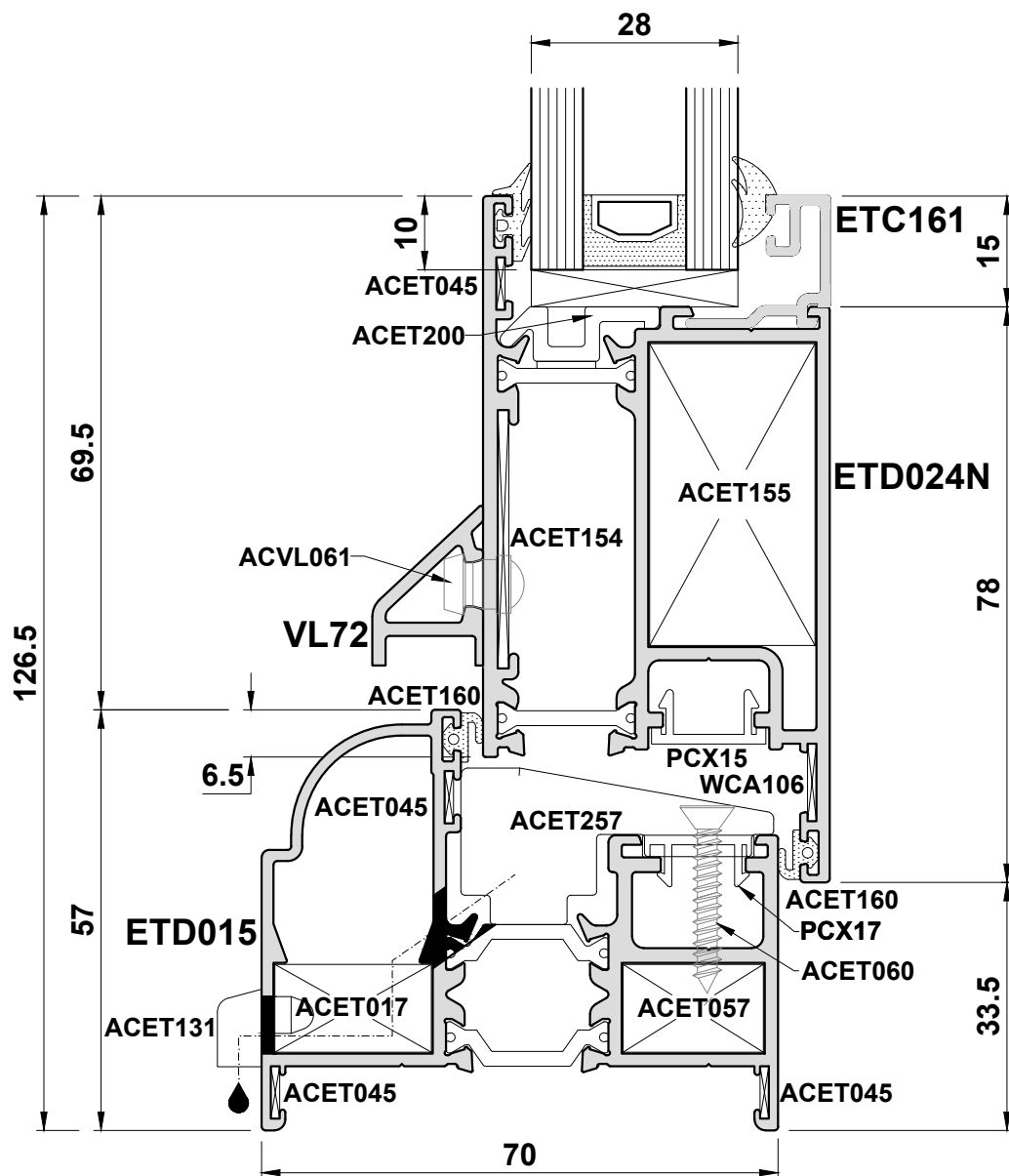
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Detail 7B



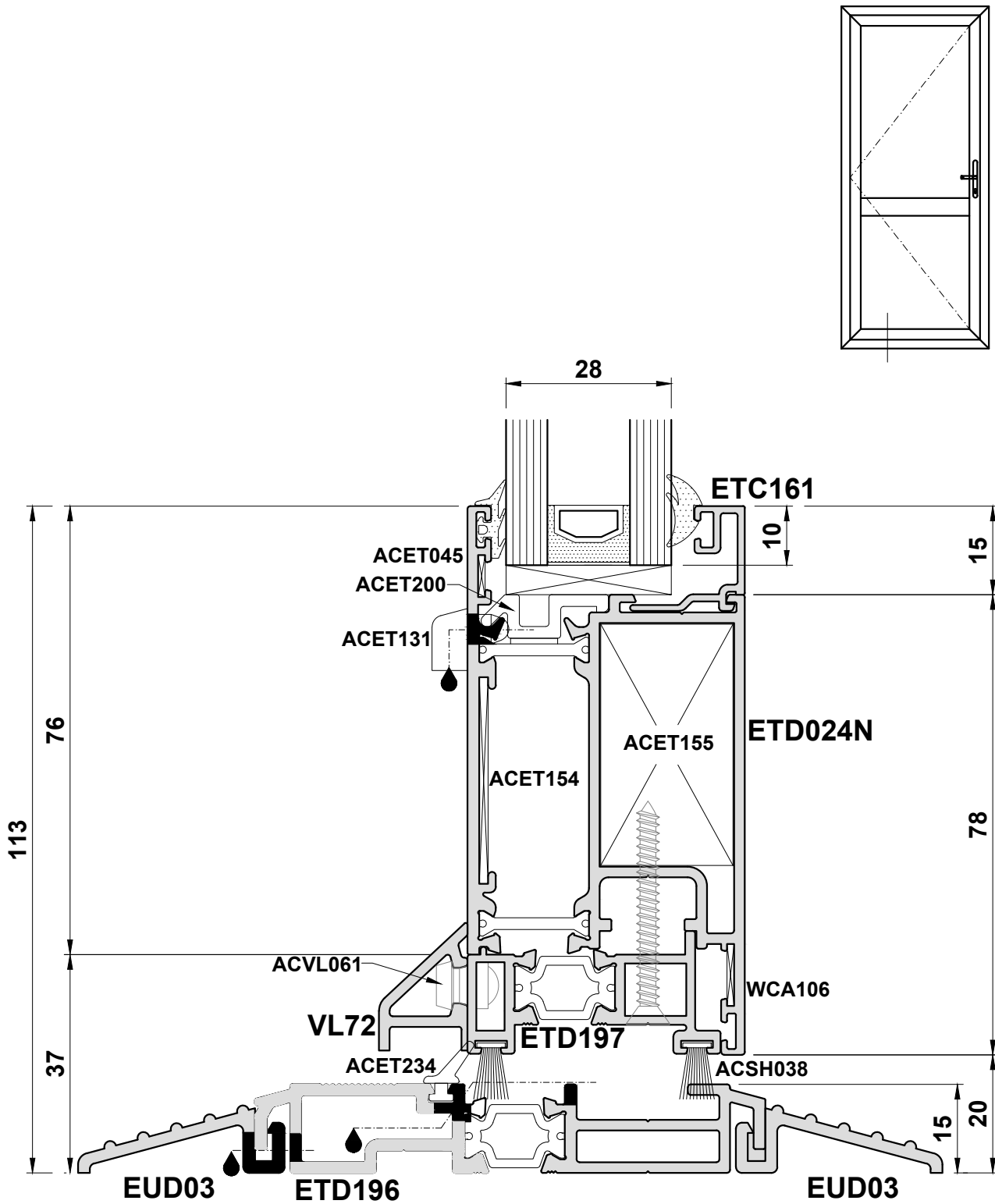
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Detail 7C



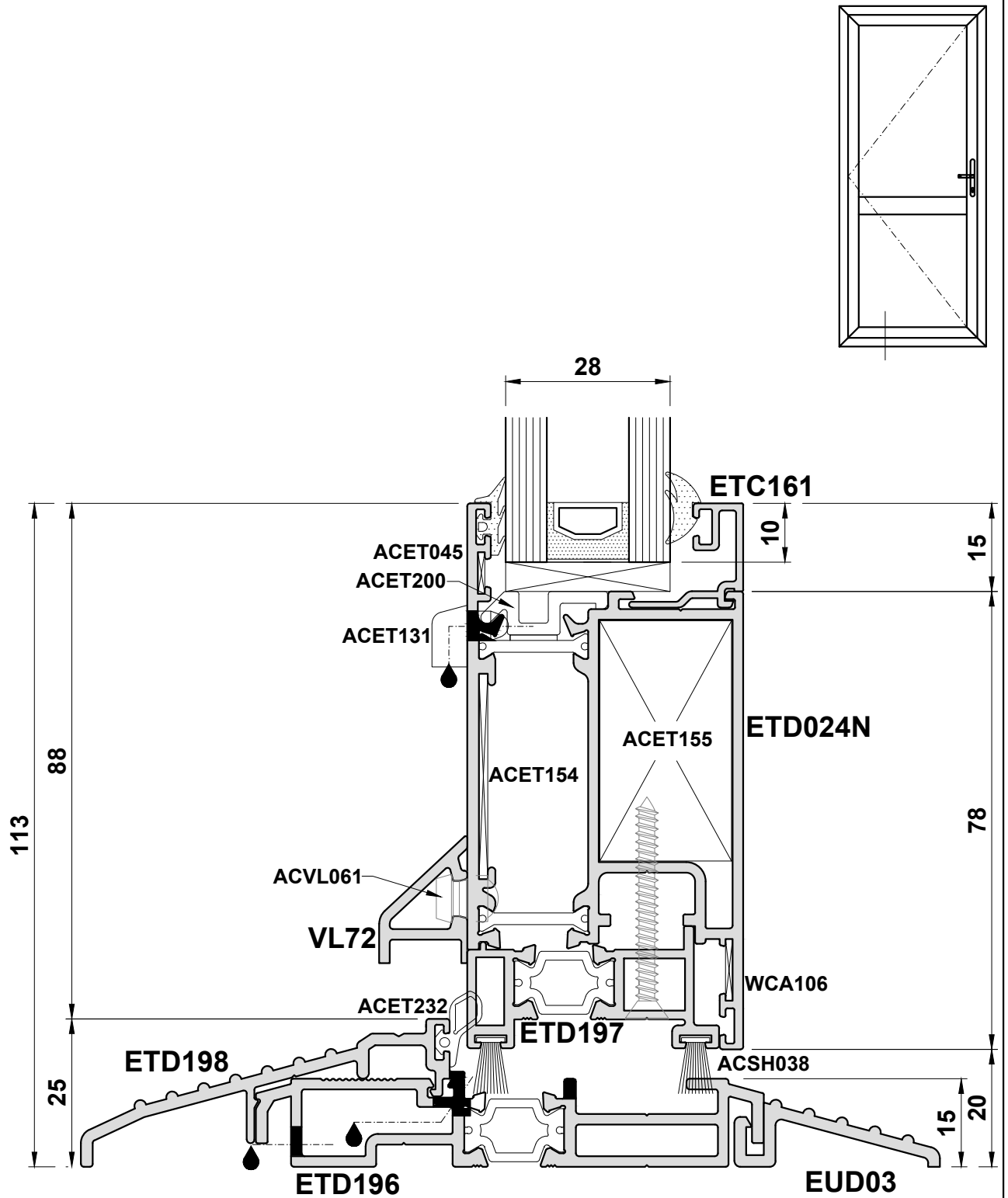
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Detail 7D



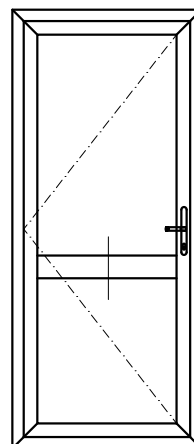
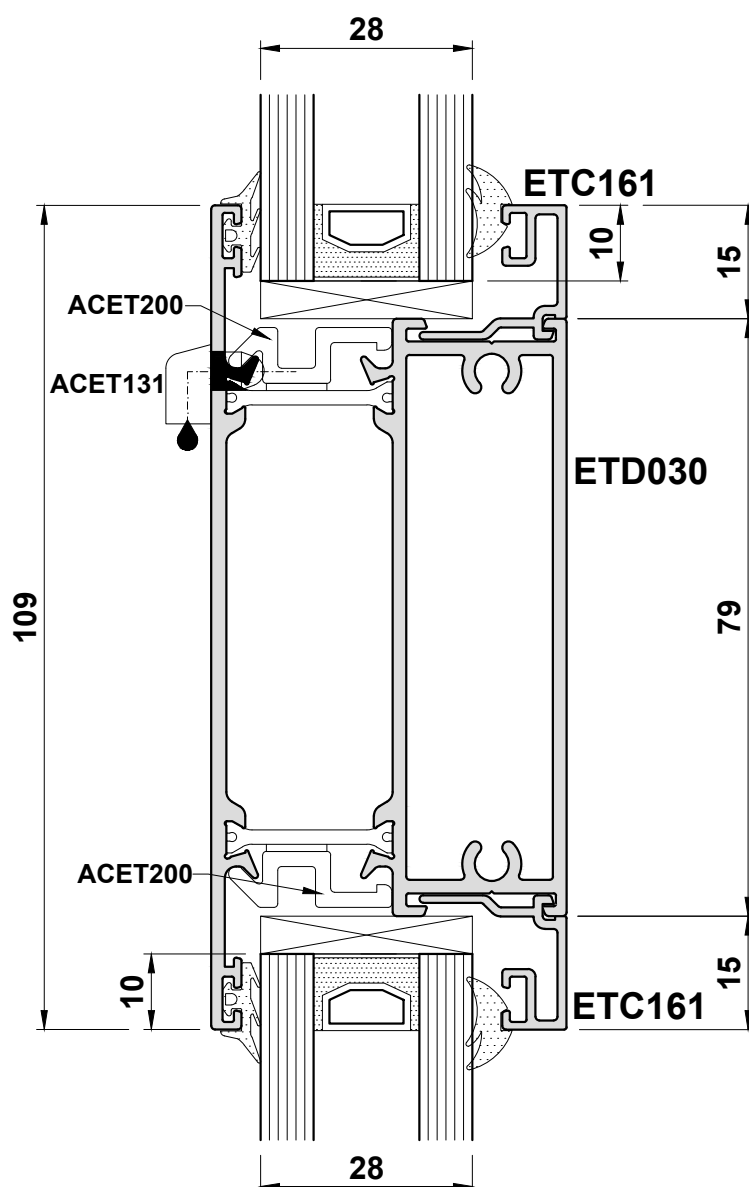
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Detail 7E



Do Not Scale From This Drawing

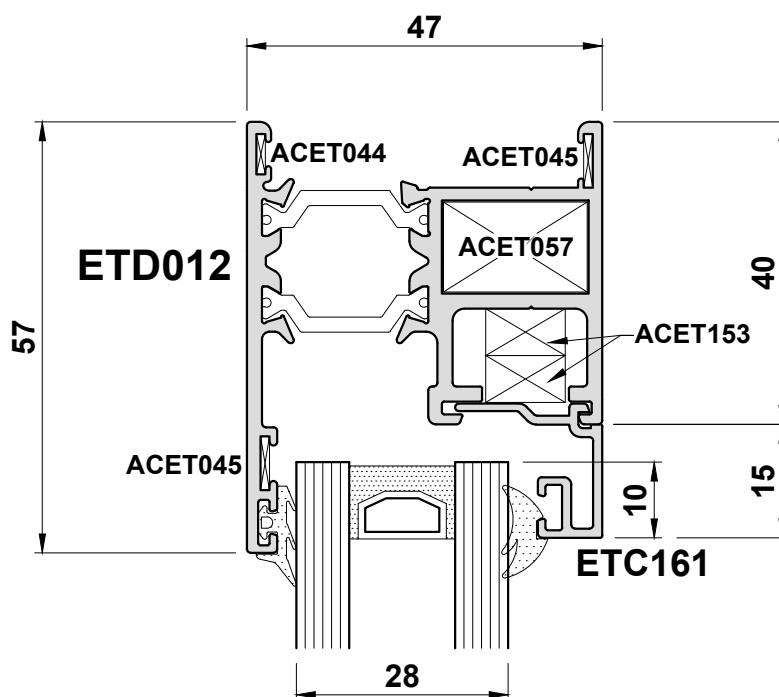
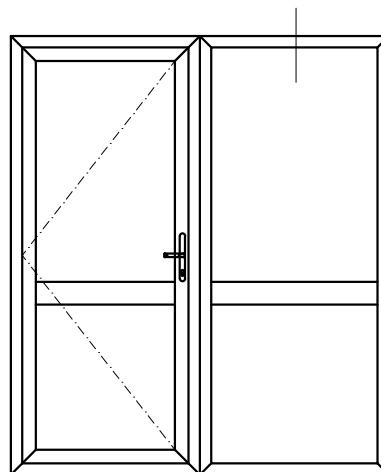
Detail 8



Note: Midrail will drain through the join to the stiles.

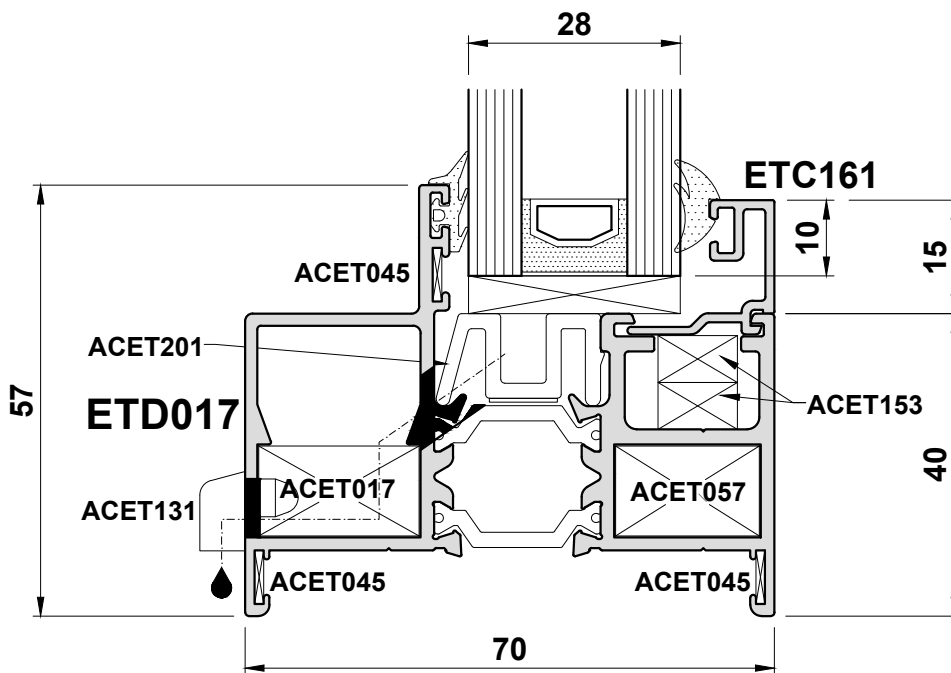
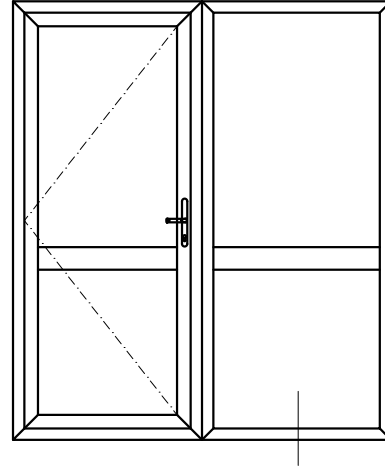
Do Not Scale From This Drawing

Detail 9



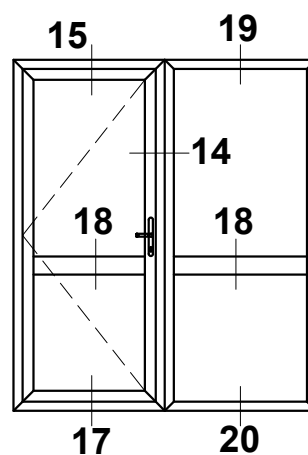
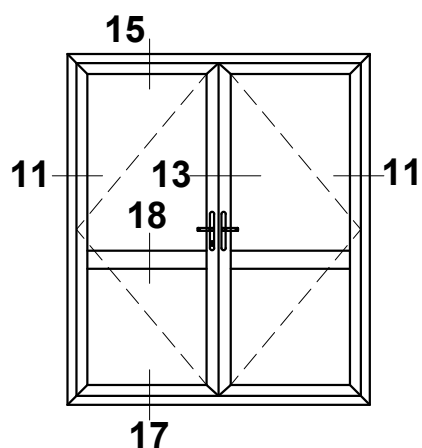
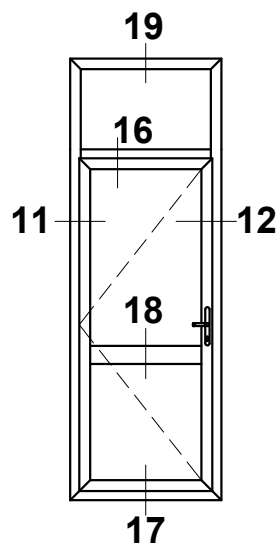
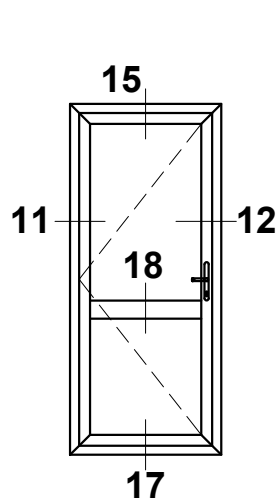
Do Not Scale From This Drawing

Detail 10



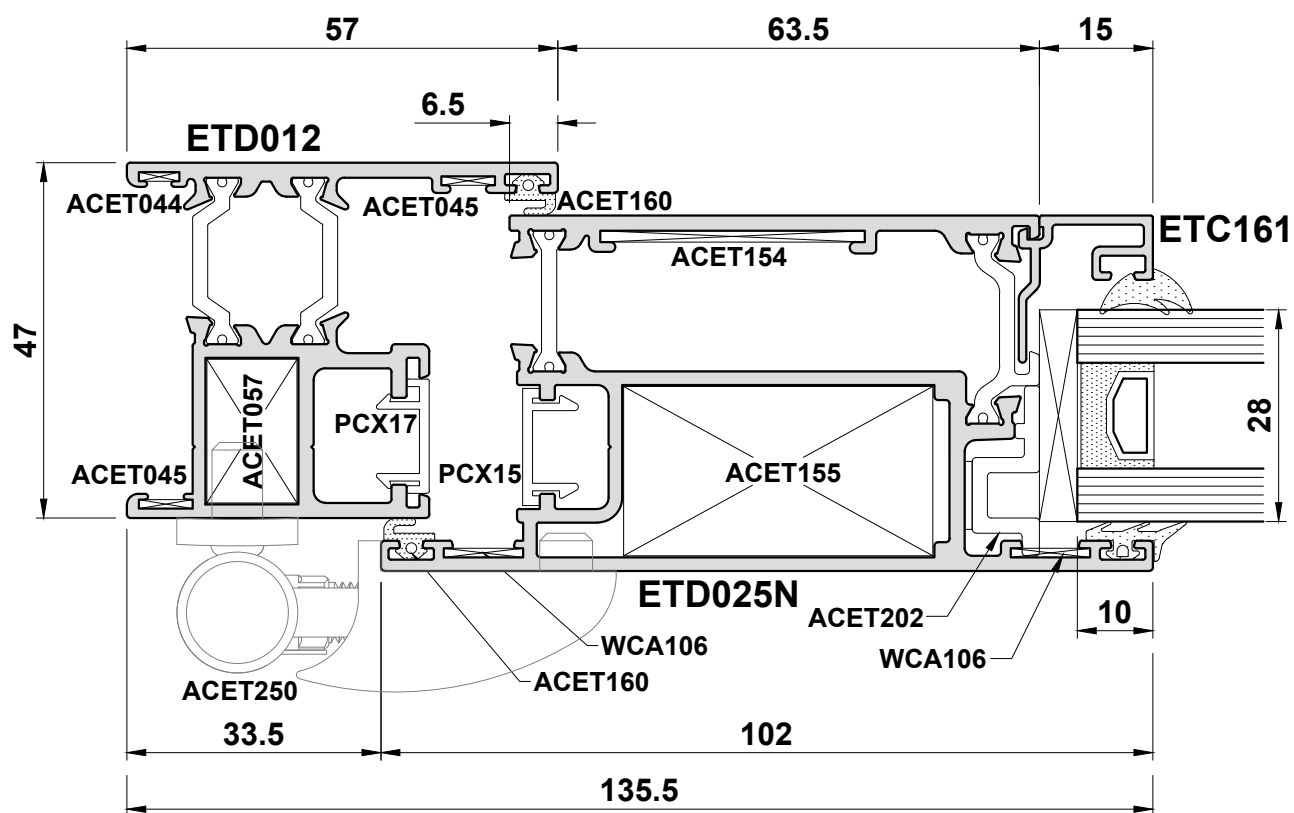
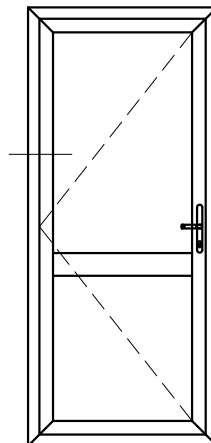
Do Not Scale From This Drawing

Open Out



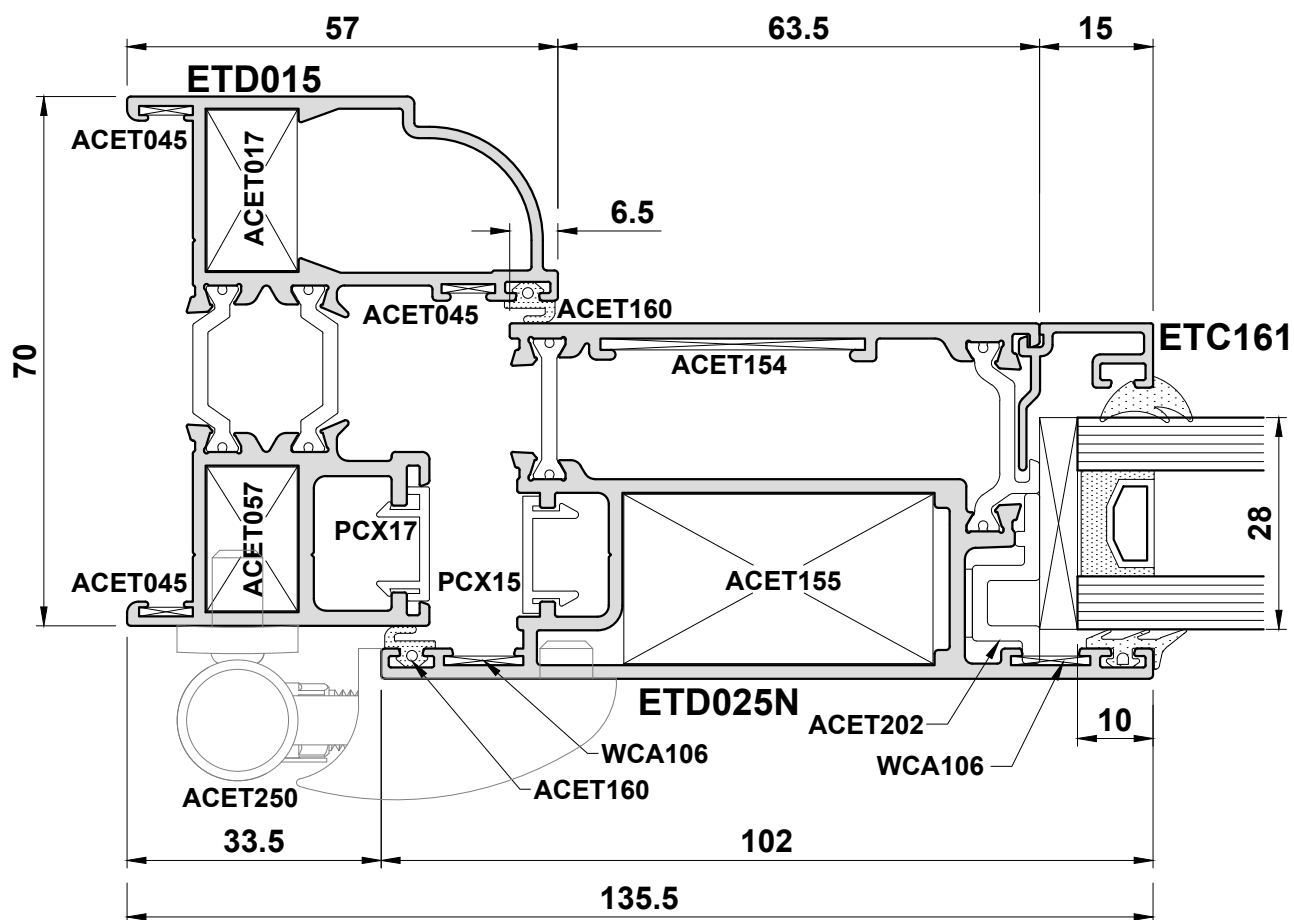
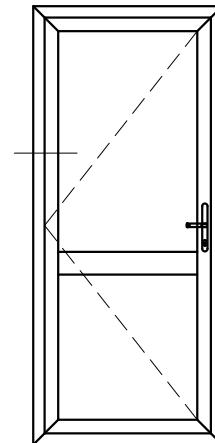
Do Not Scale From This Drawing

Detail 11A



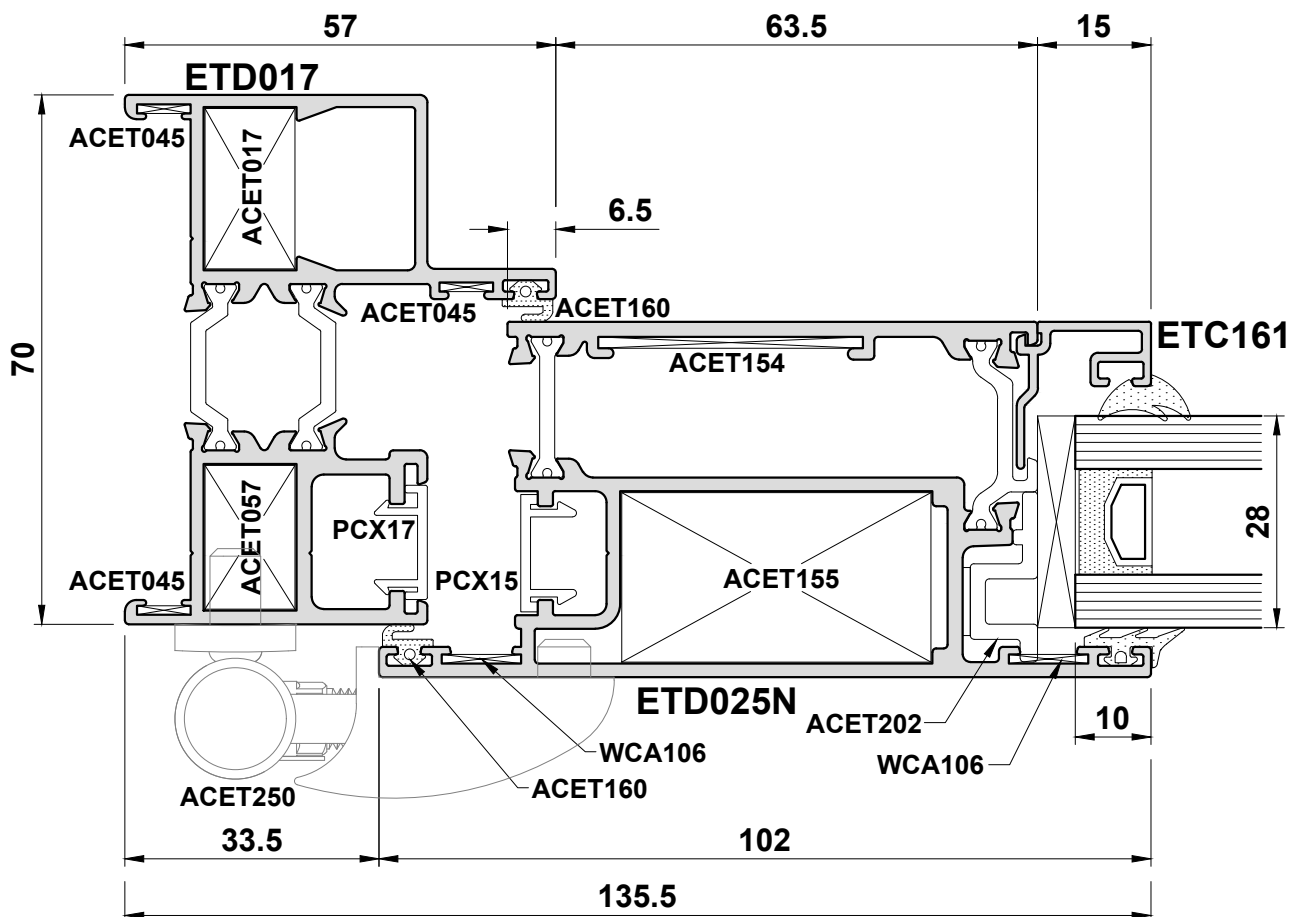
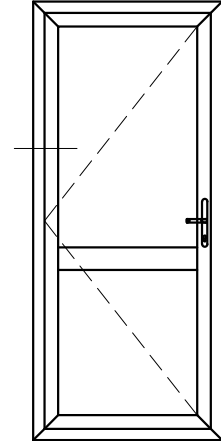
Do Not Scale From This Drawing

Detail 11B



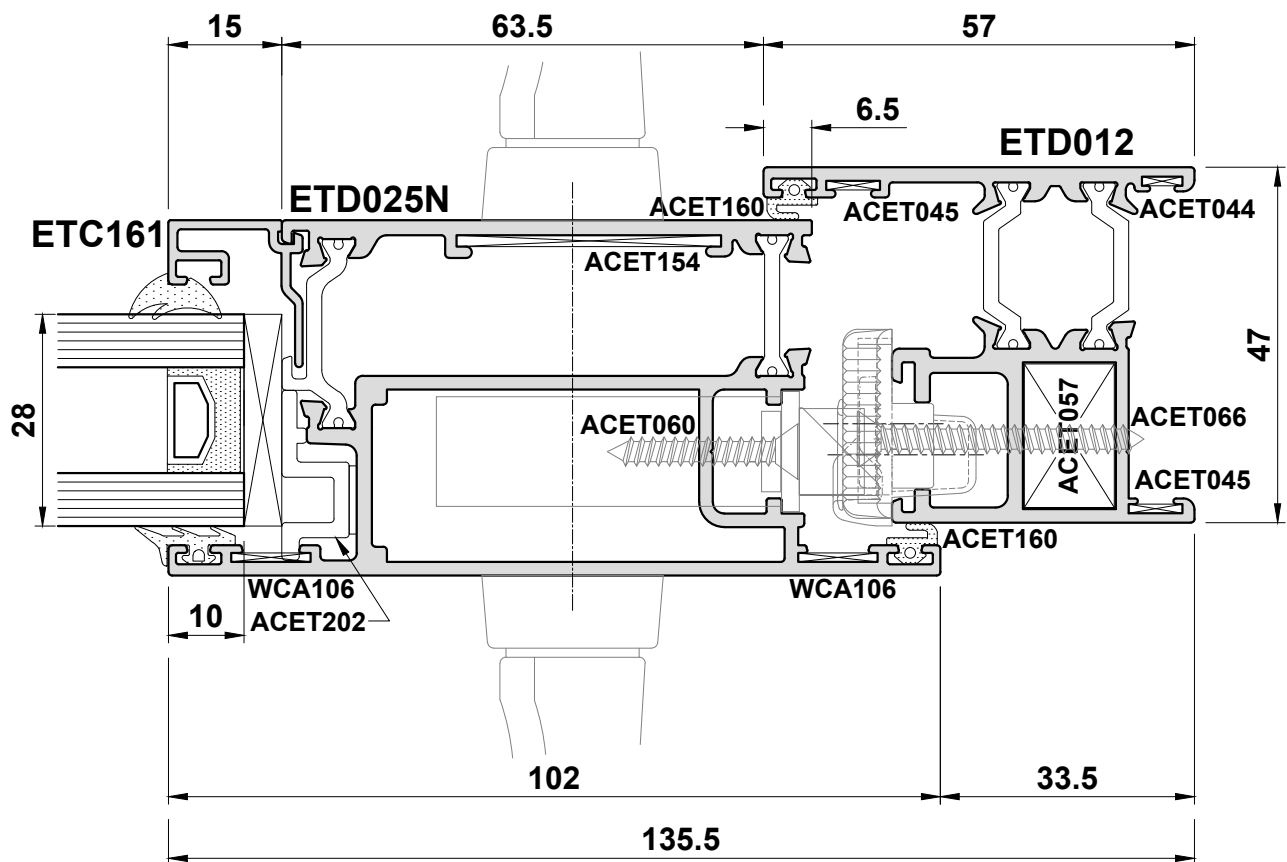
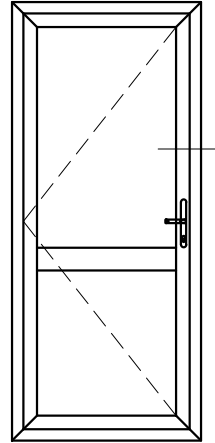
Do Not Scale From This Drawing

Detail 11C



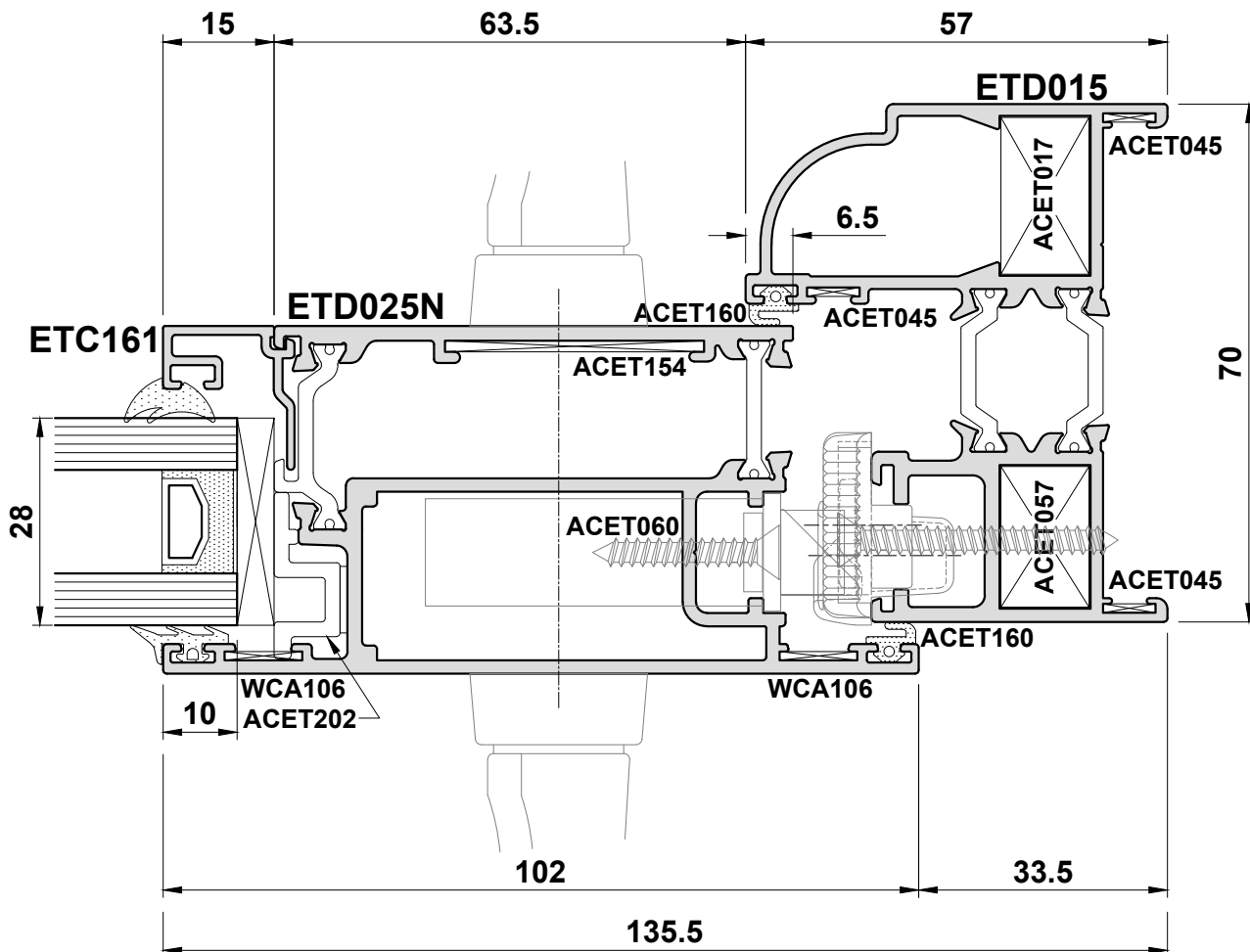
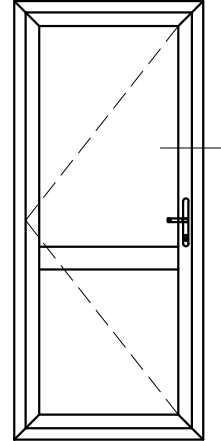
Do Not Scale From This Drawing

Detail 12A



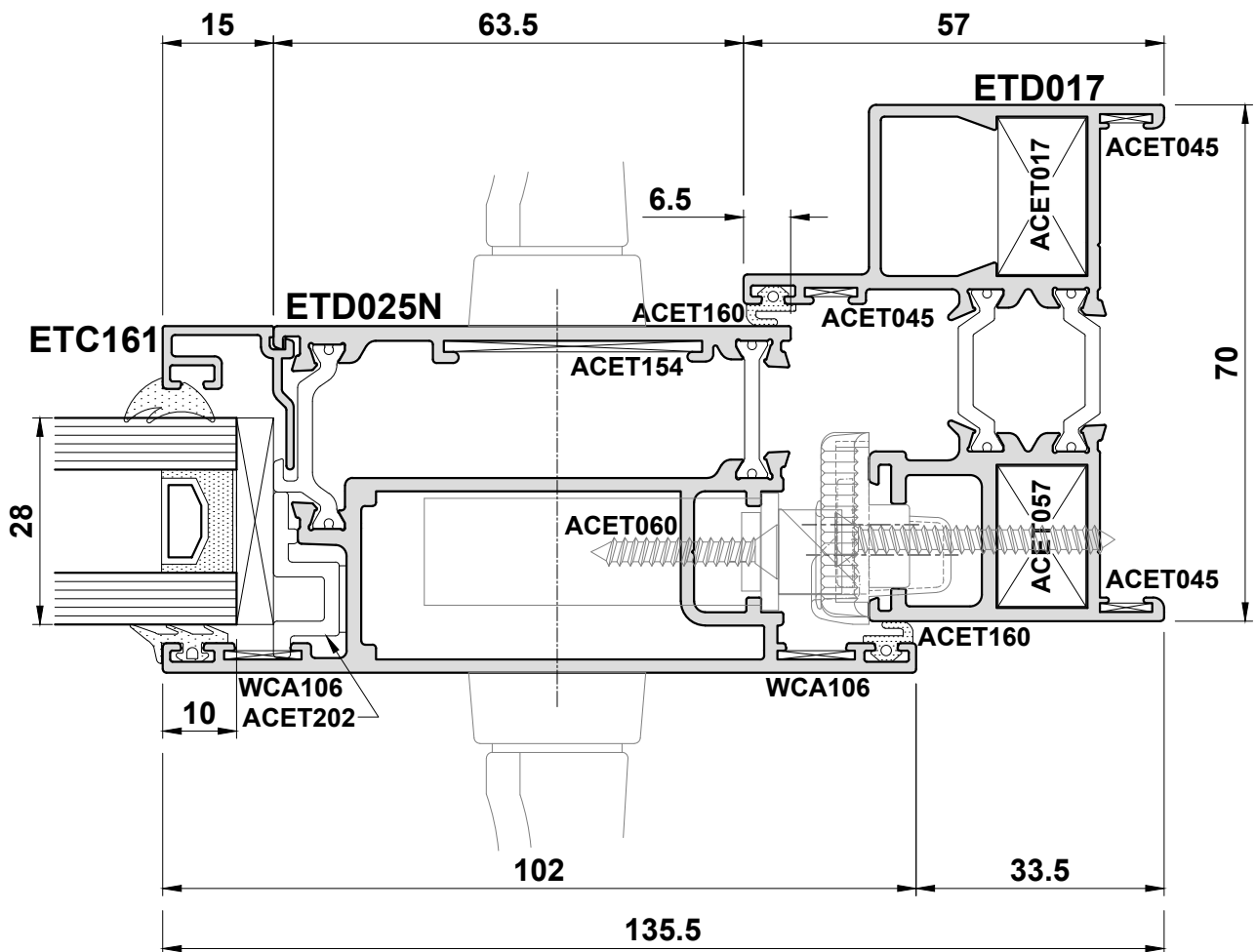
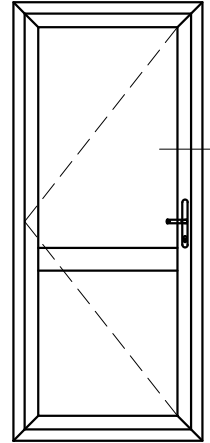
Do Not Scale From This Drawing

Detail 12B



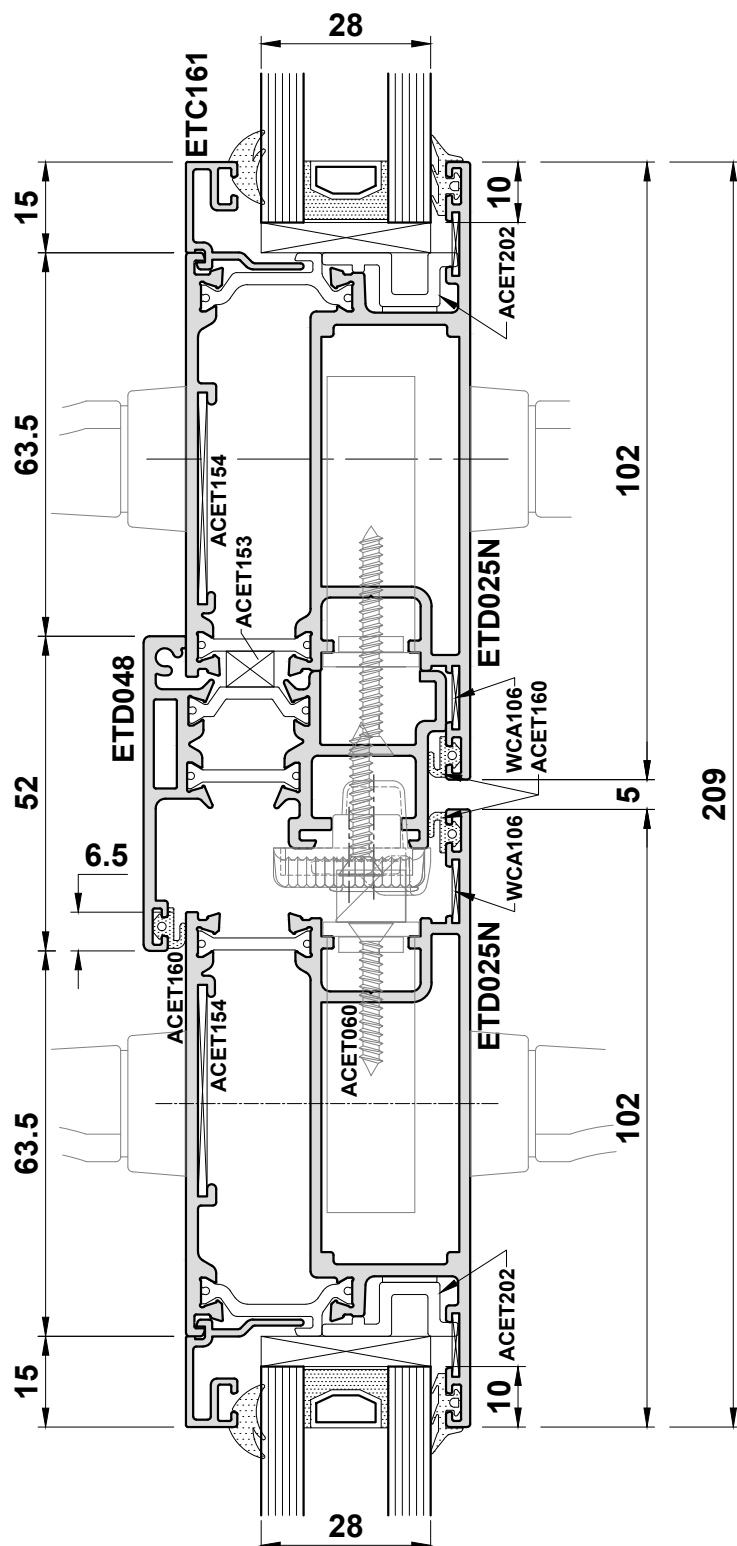
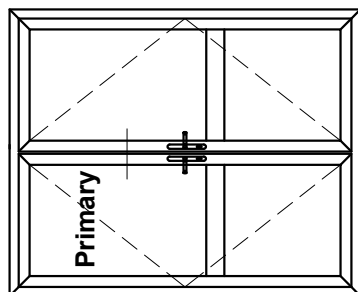
Do Not Scale From This Drawing

Detail 12C



Do Not Scale From This Drawing

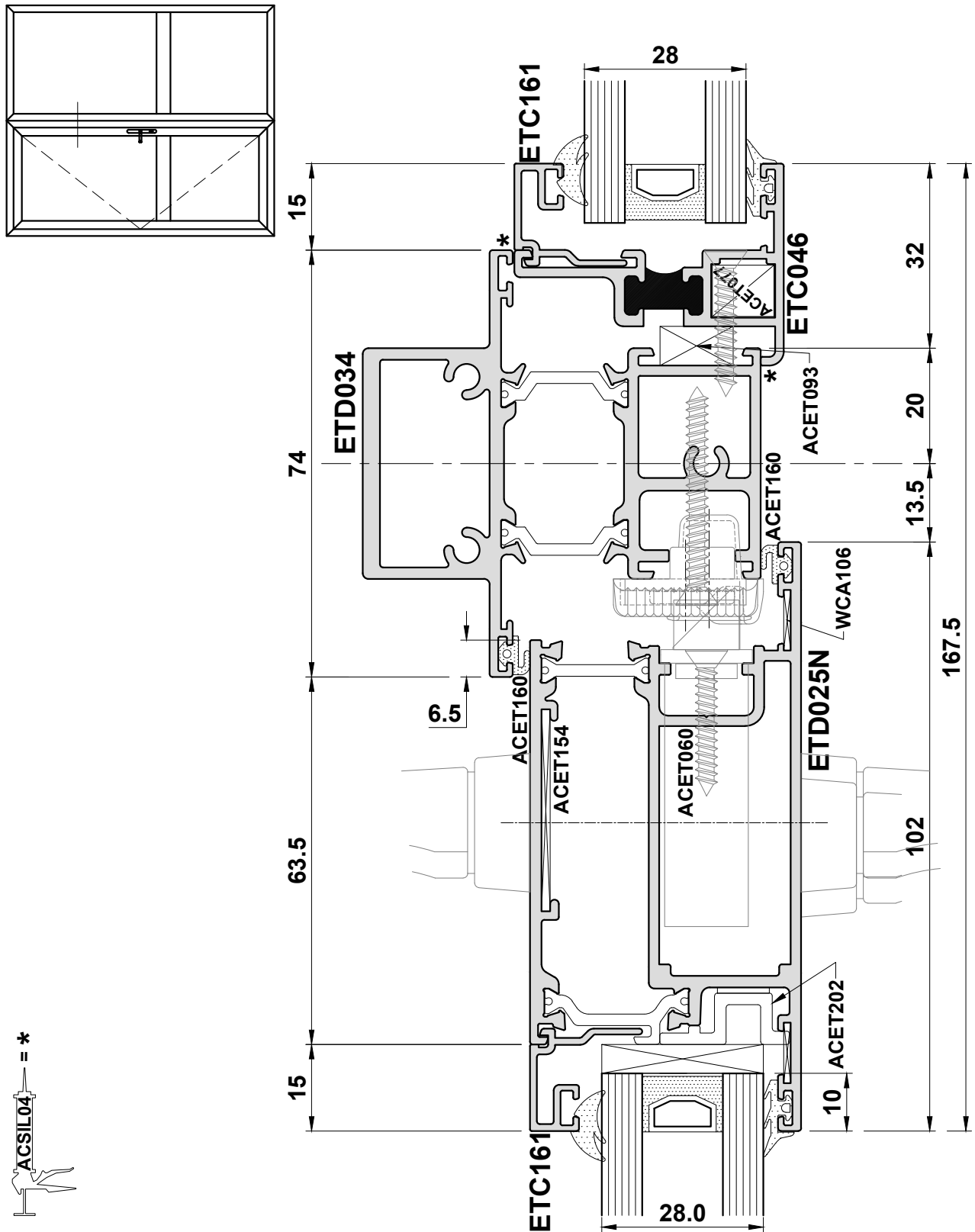
Detail 13



Scaled To Fit

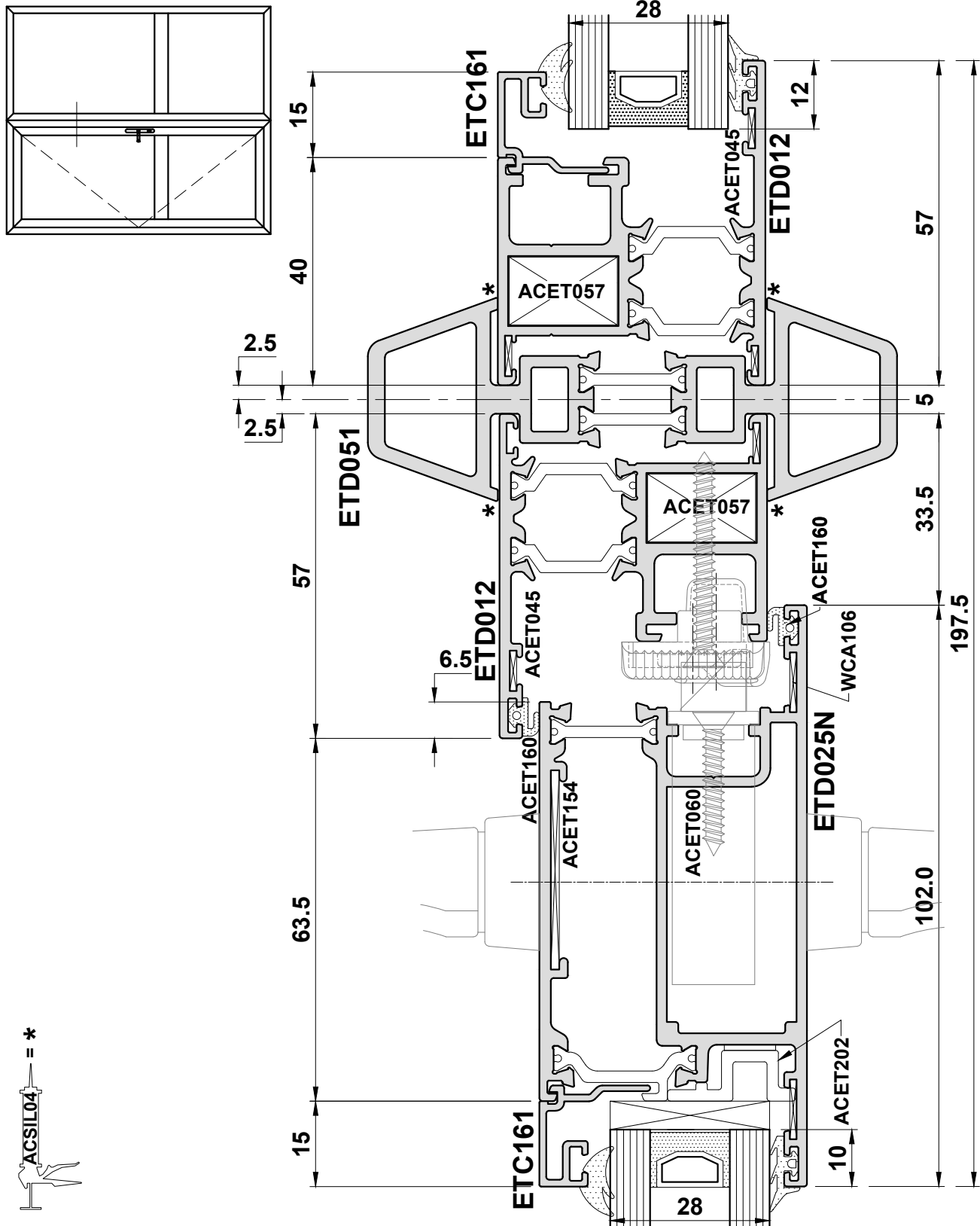
Do Not Scale From This Drawing

Detail 14A



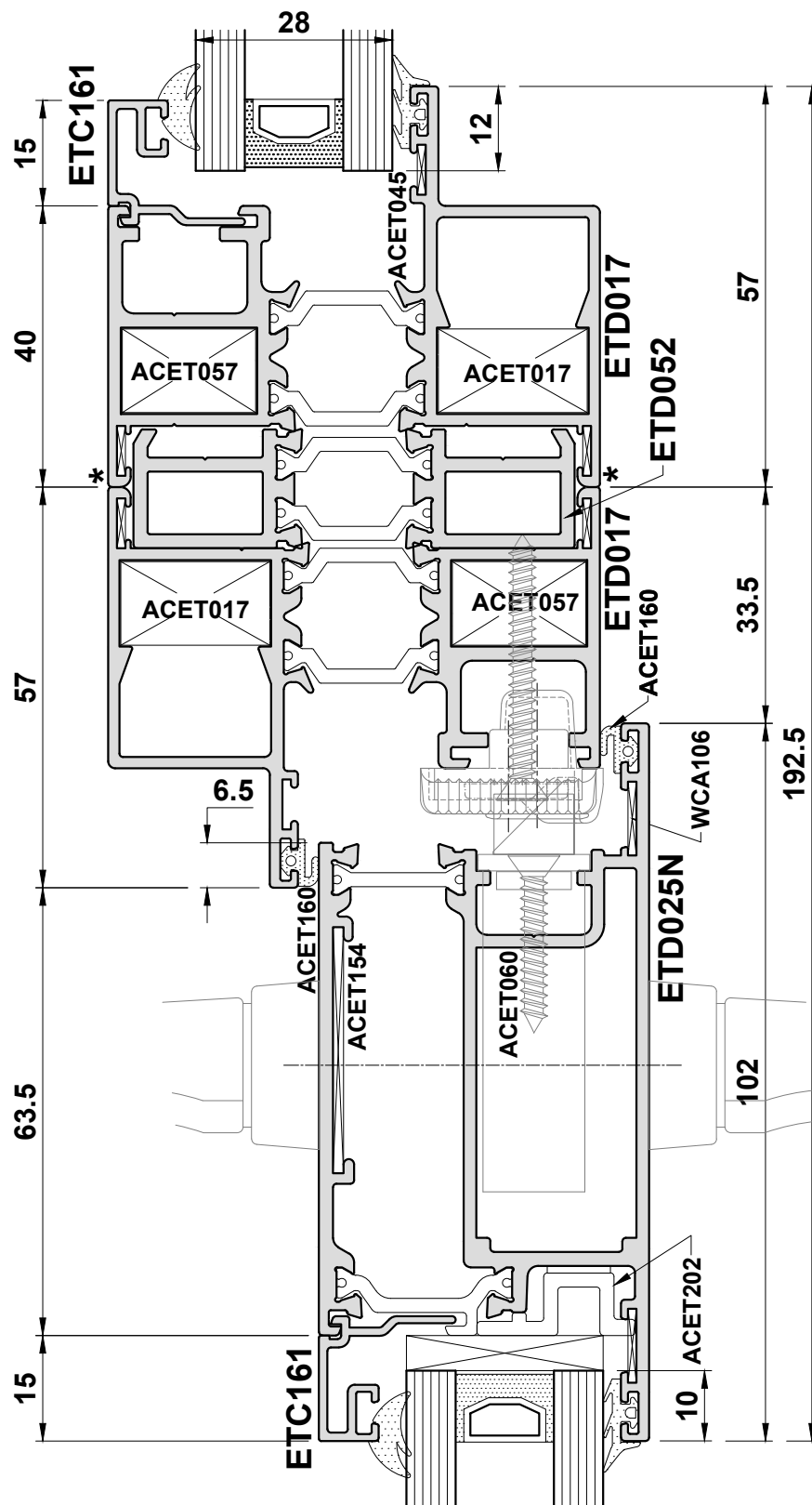
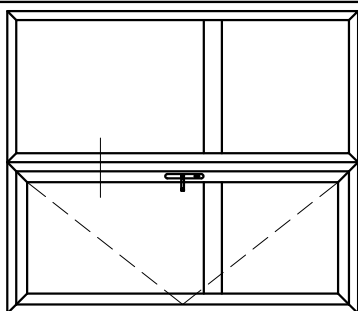
Do Not Scale From This Drawing

Detail 14B



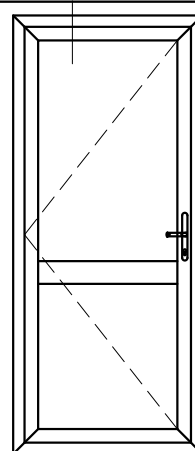
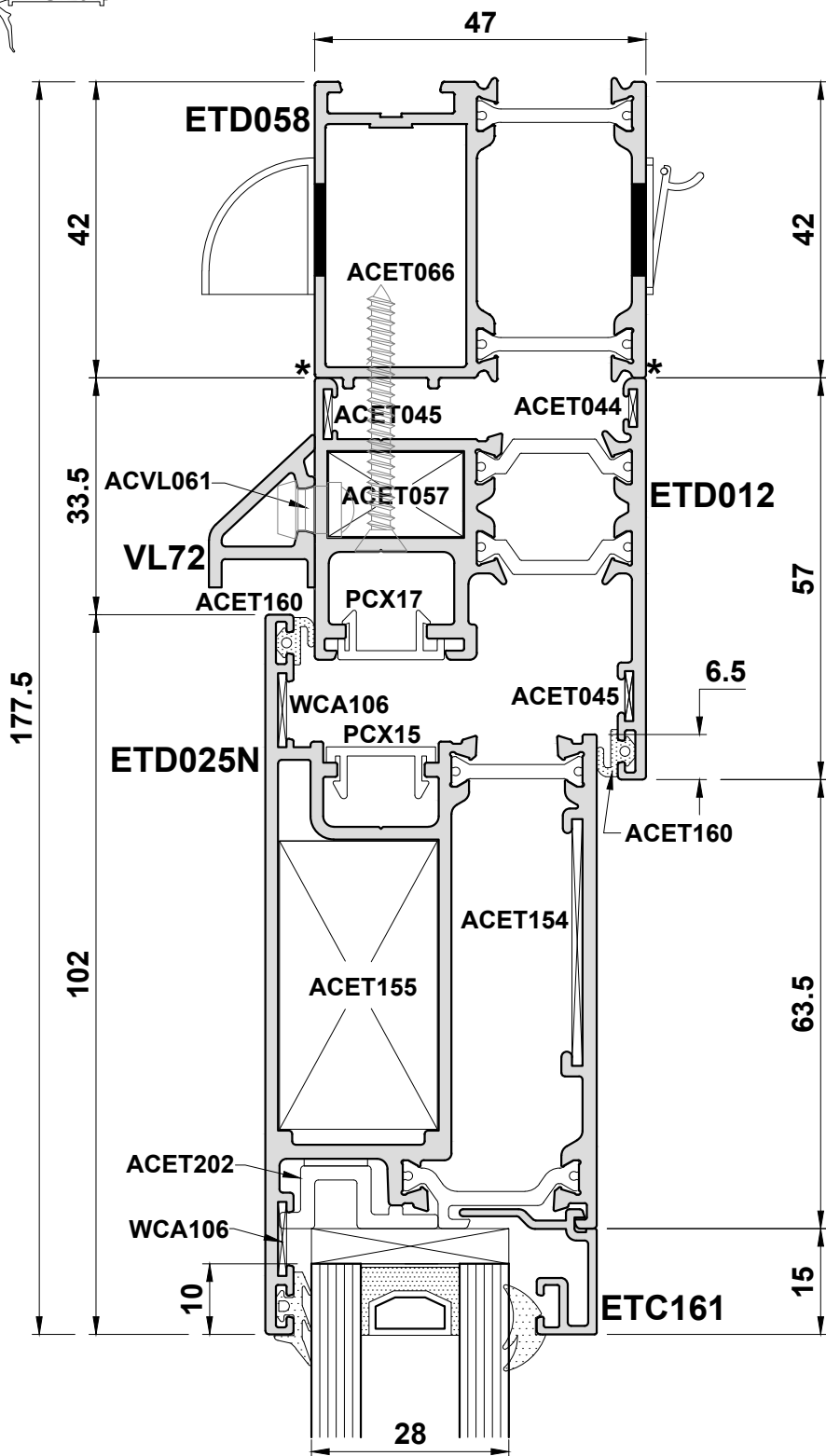
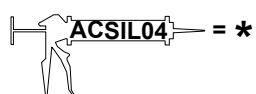
Do Not Scale From This Drawing

Detail 14C



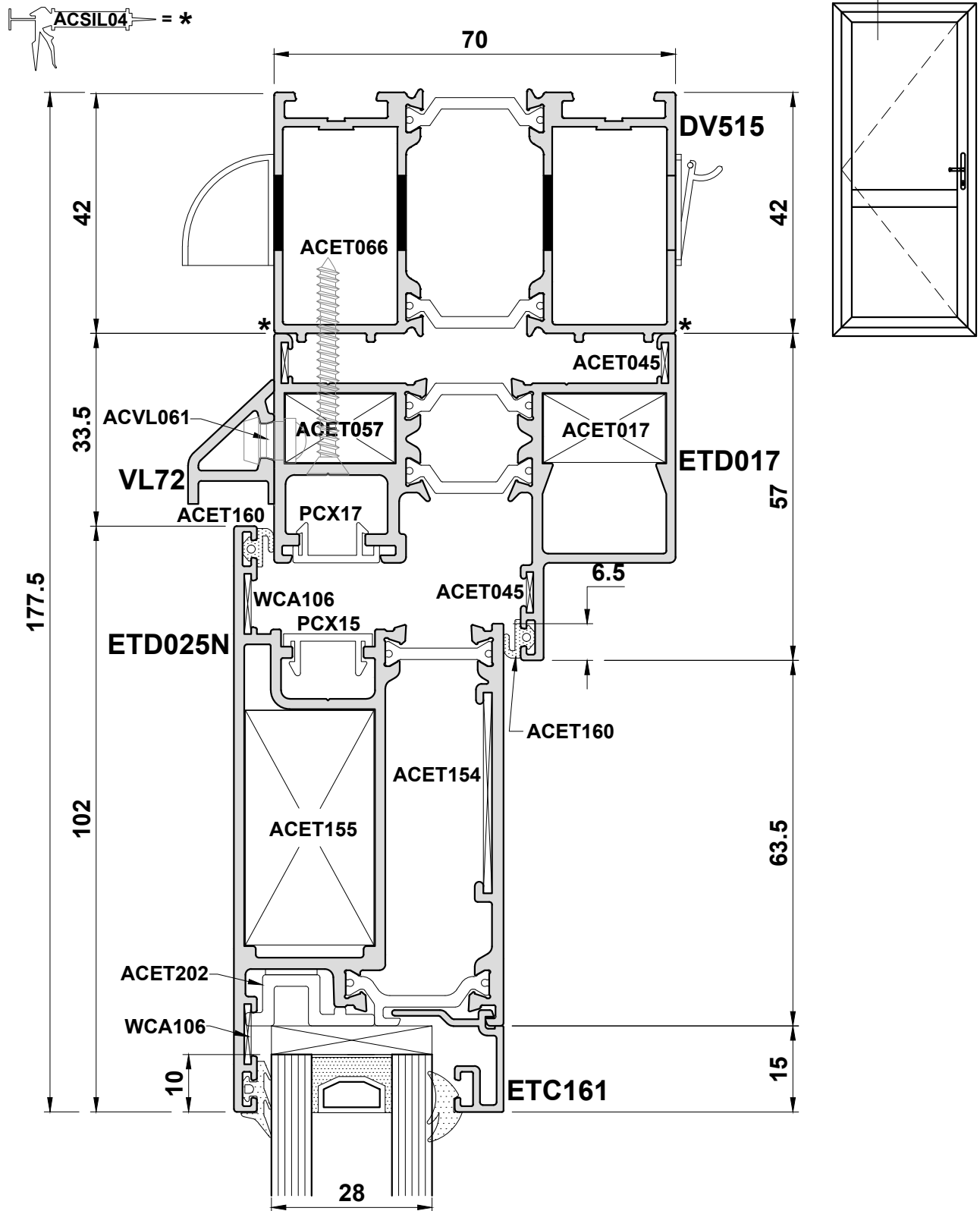
Do Not Scale From This Drawing

Detail 15A

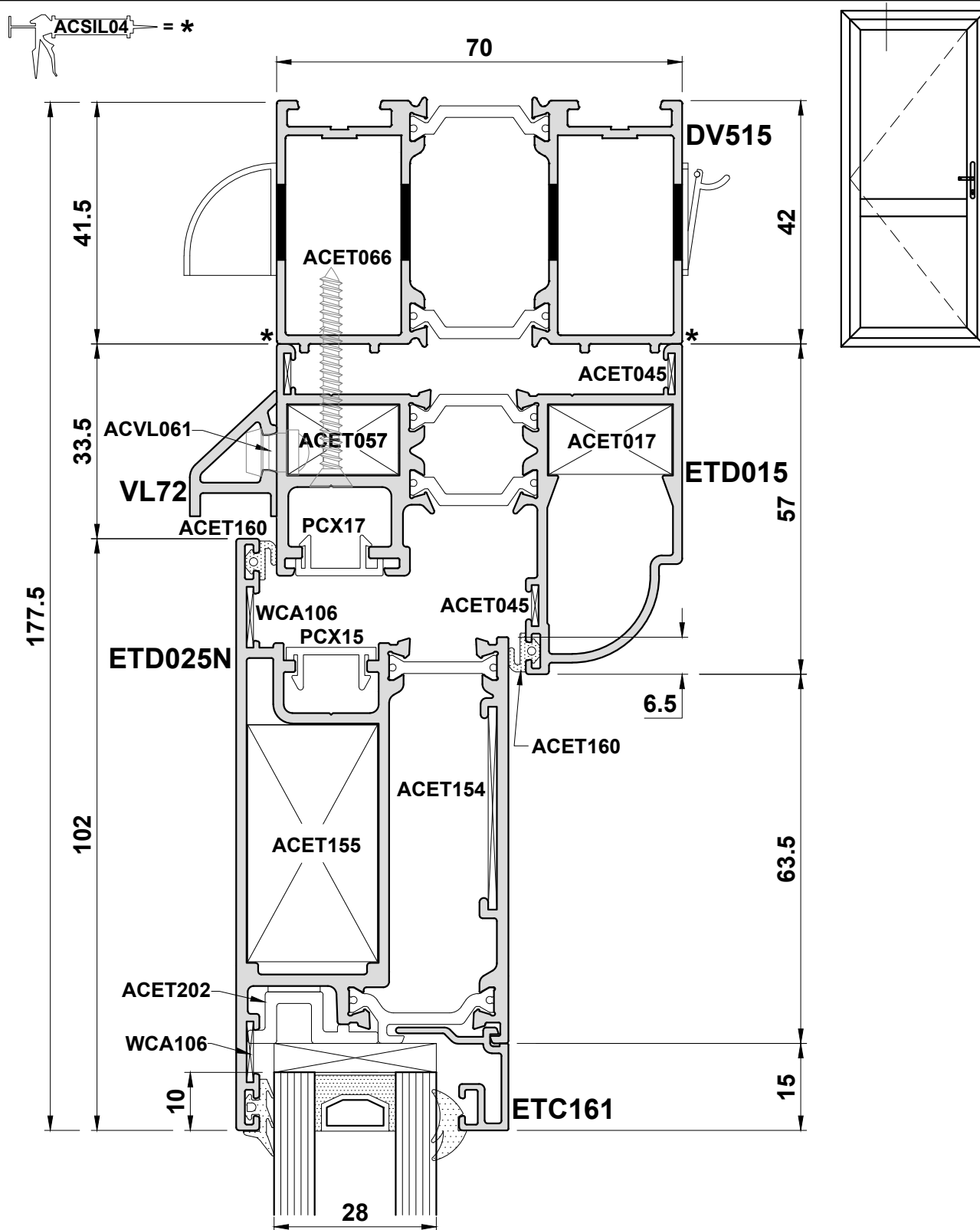


Do Not Scale From This Drawing

Detail 15B

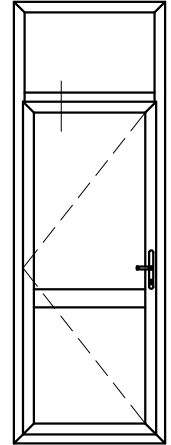
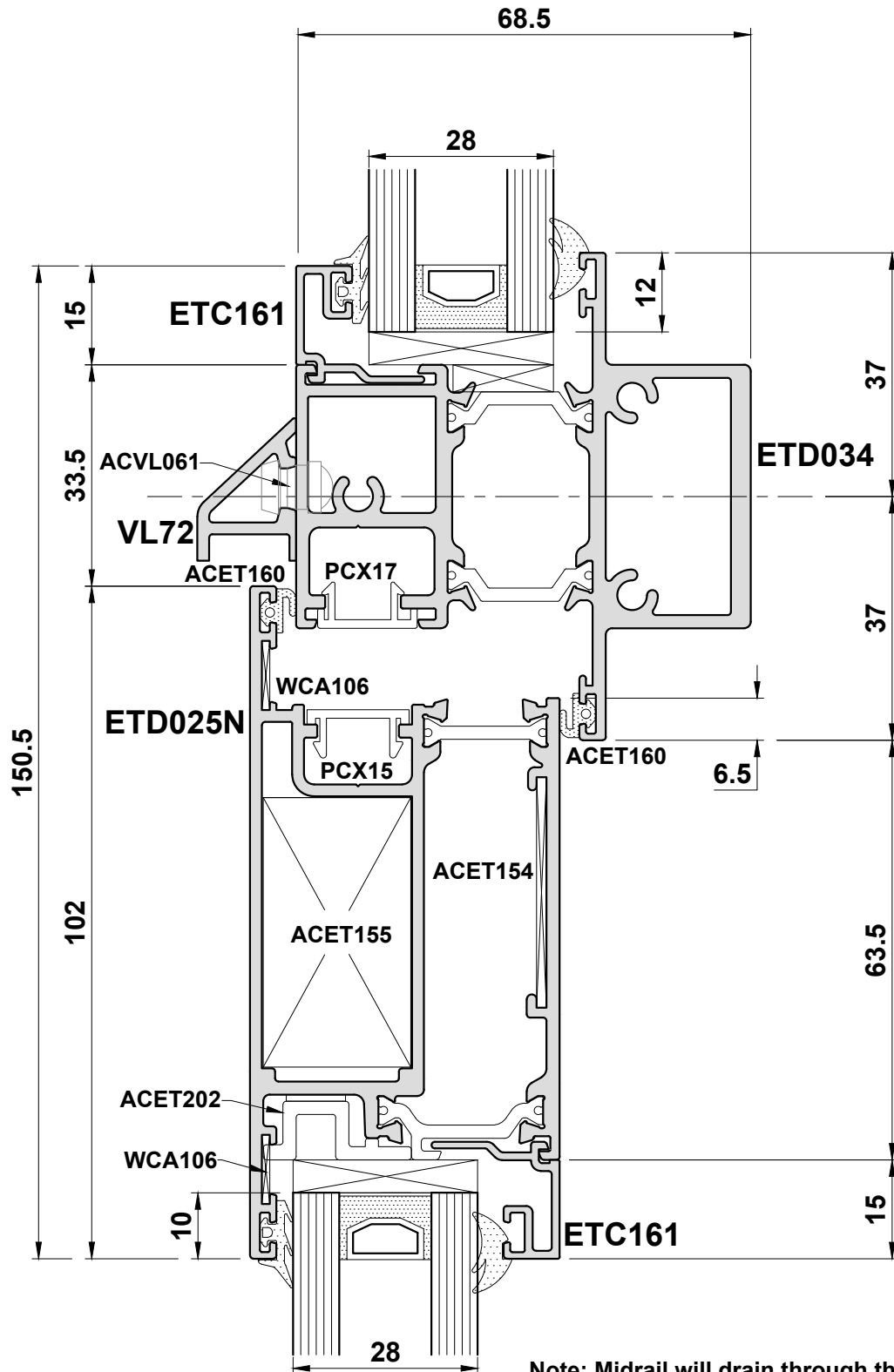


Detail 15C



Do Not Scale From This Drawing

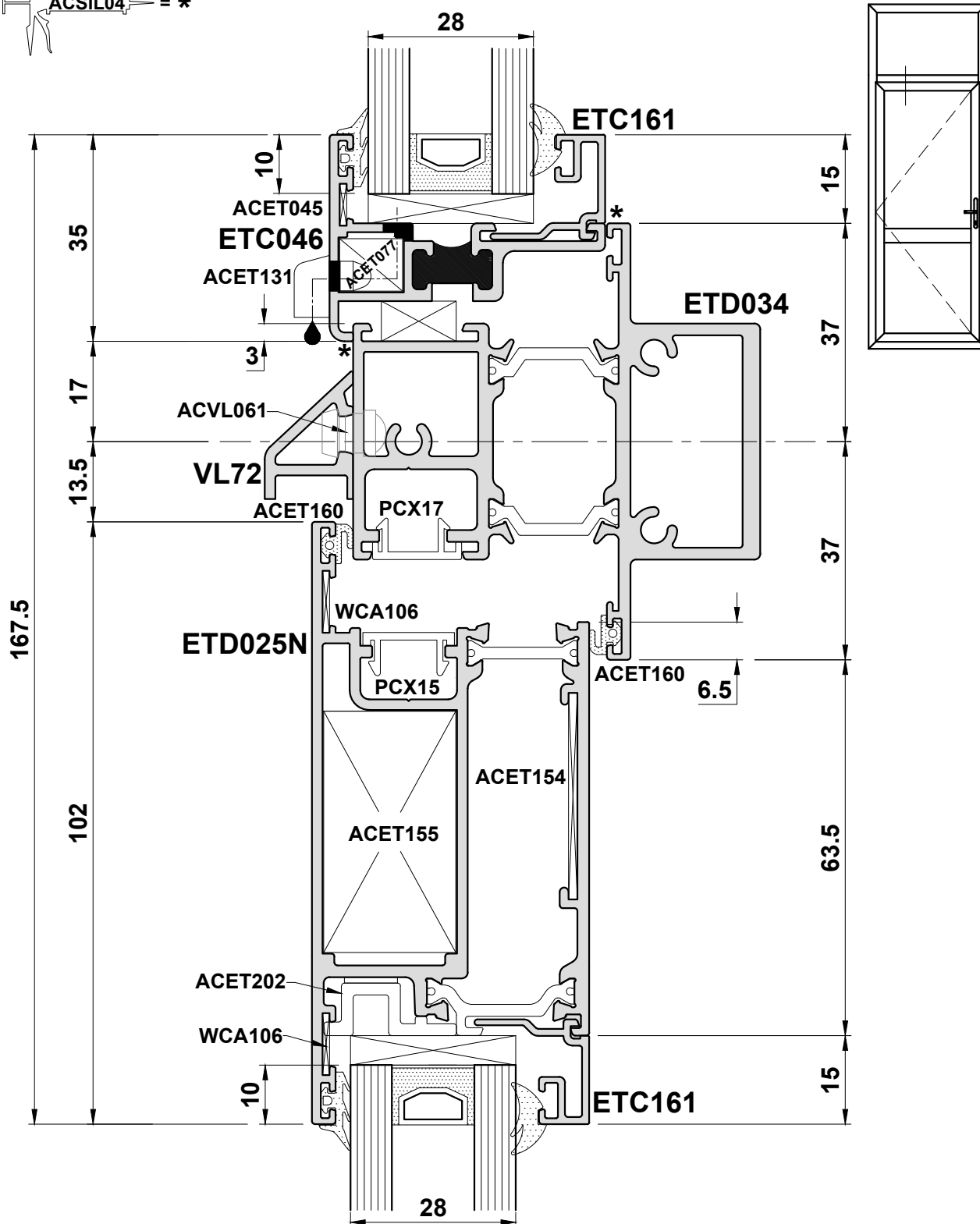
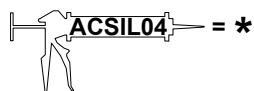
Detail 16A



Note: Midrail will drain through the join to the stiles.

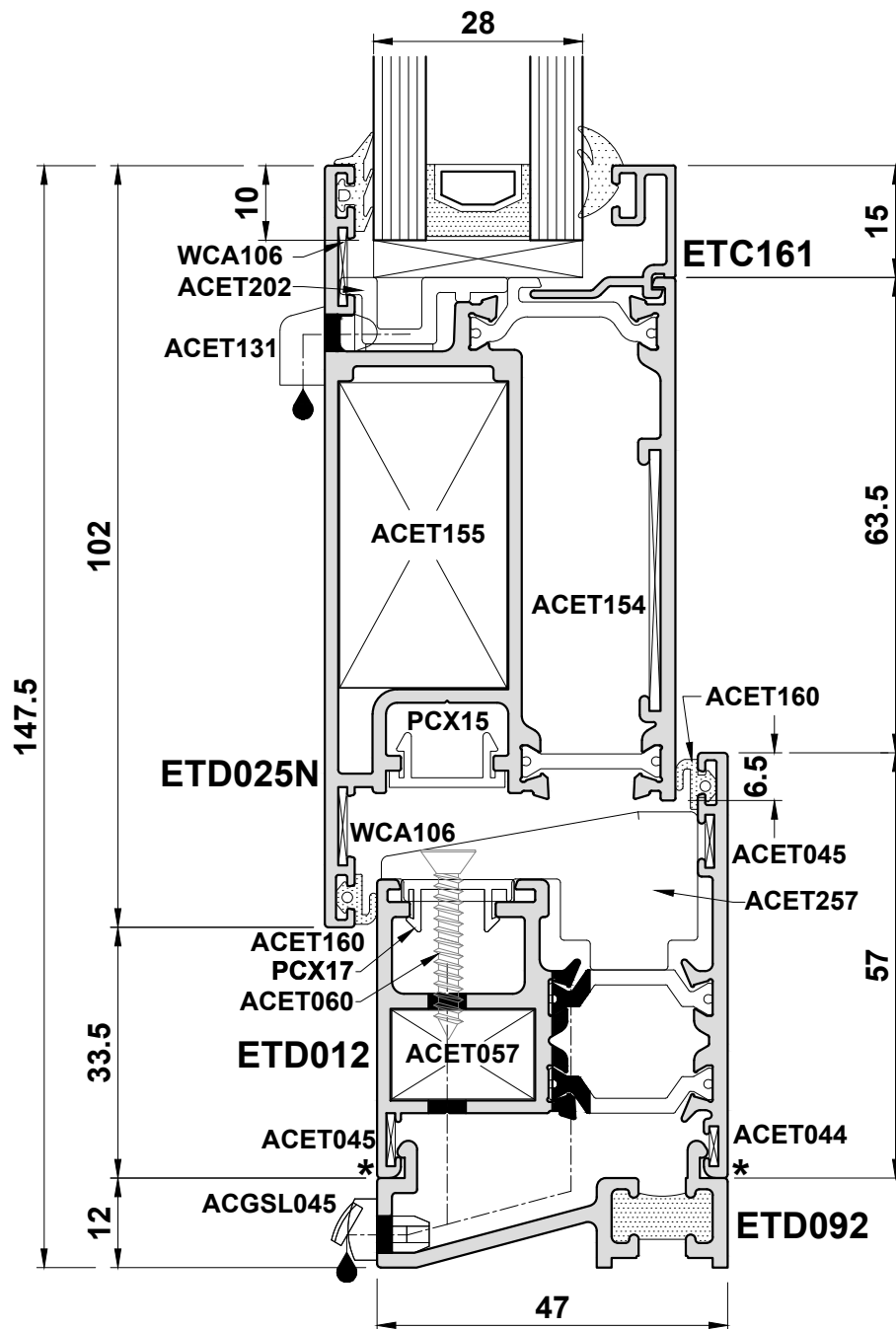
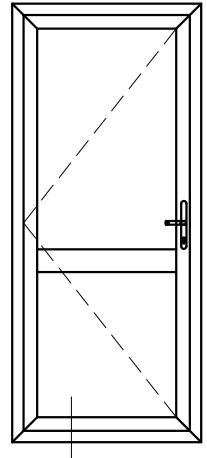
Do Not Scale From This Drawing

Detail 16B

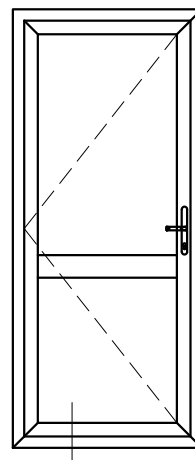
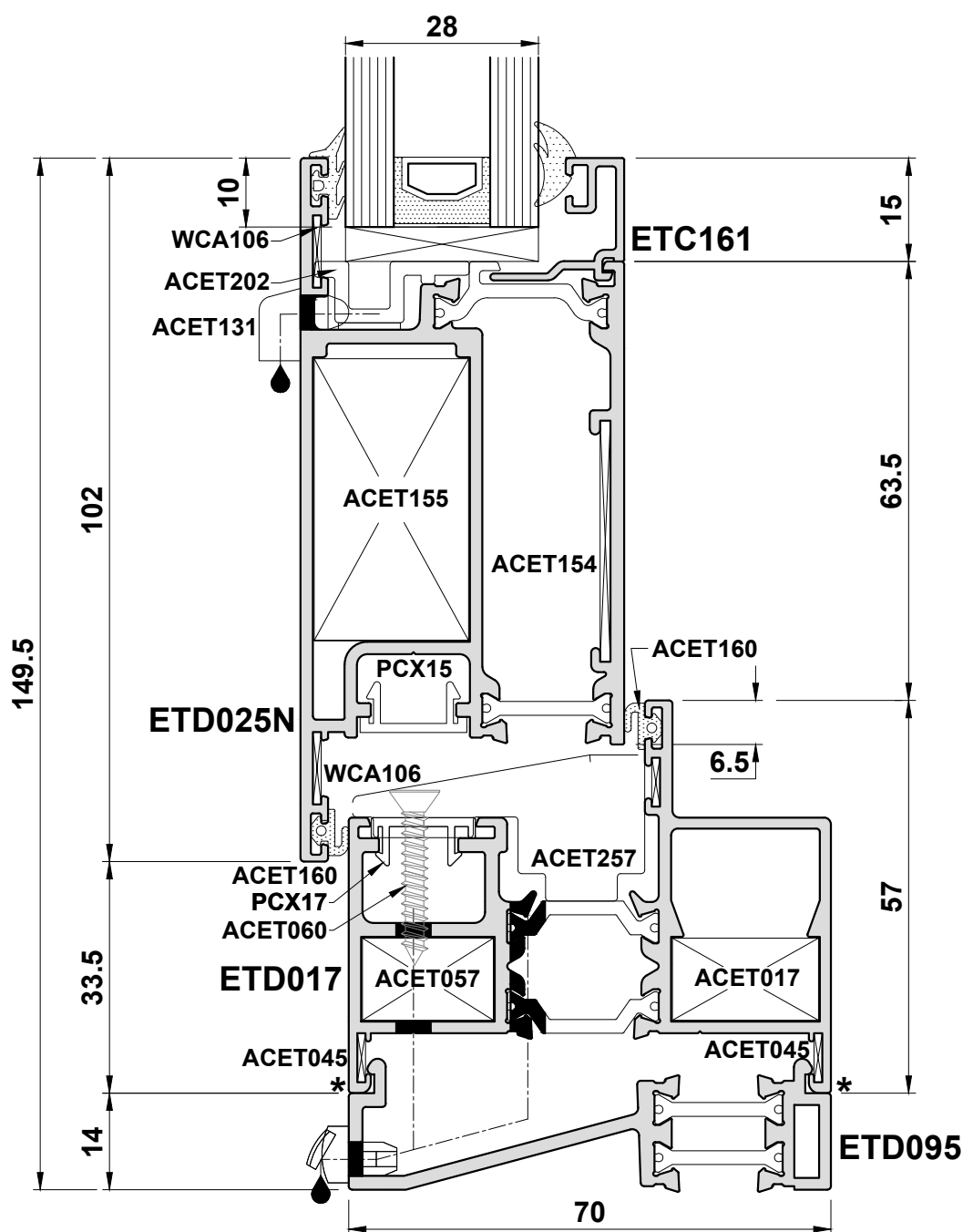


Do Not Scale From This Drawing

Detail 17A

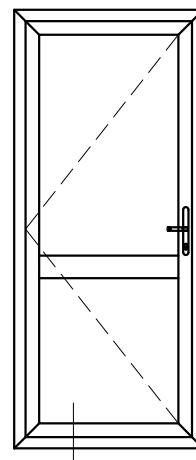
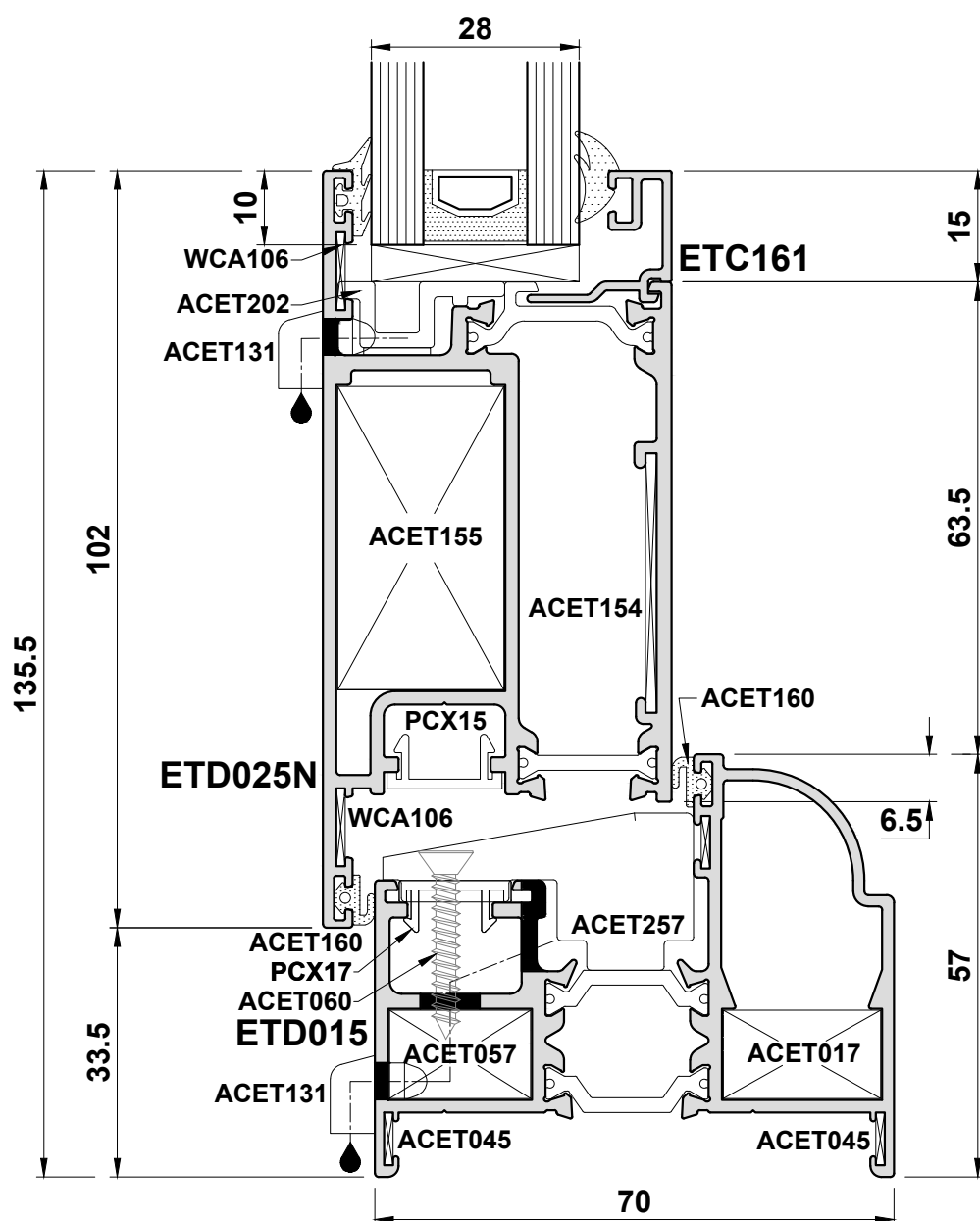


Detail 17B



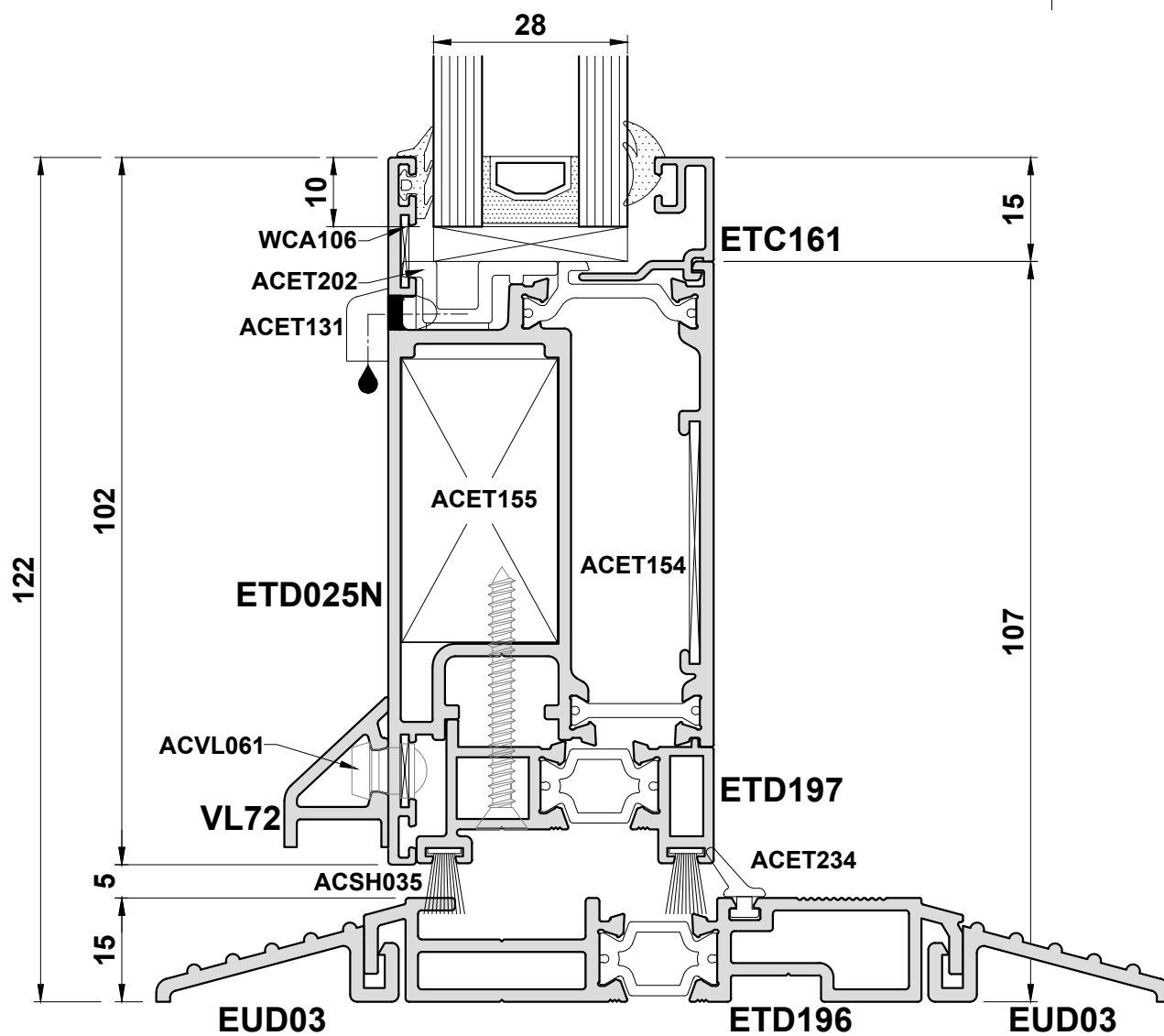
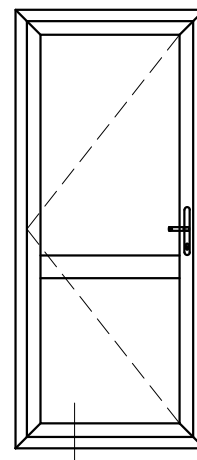
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Detail 17C



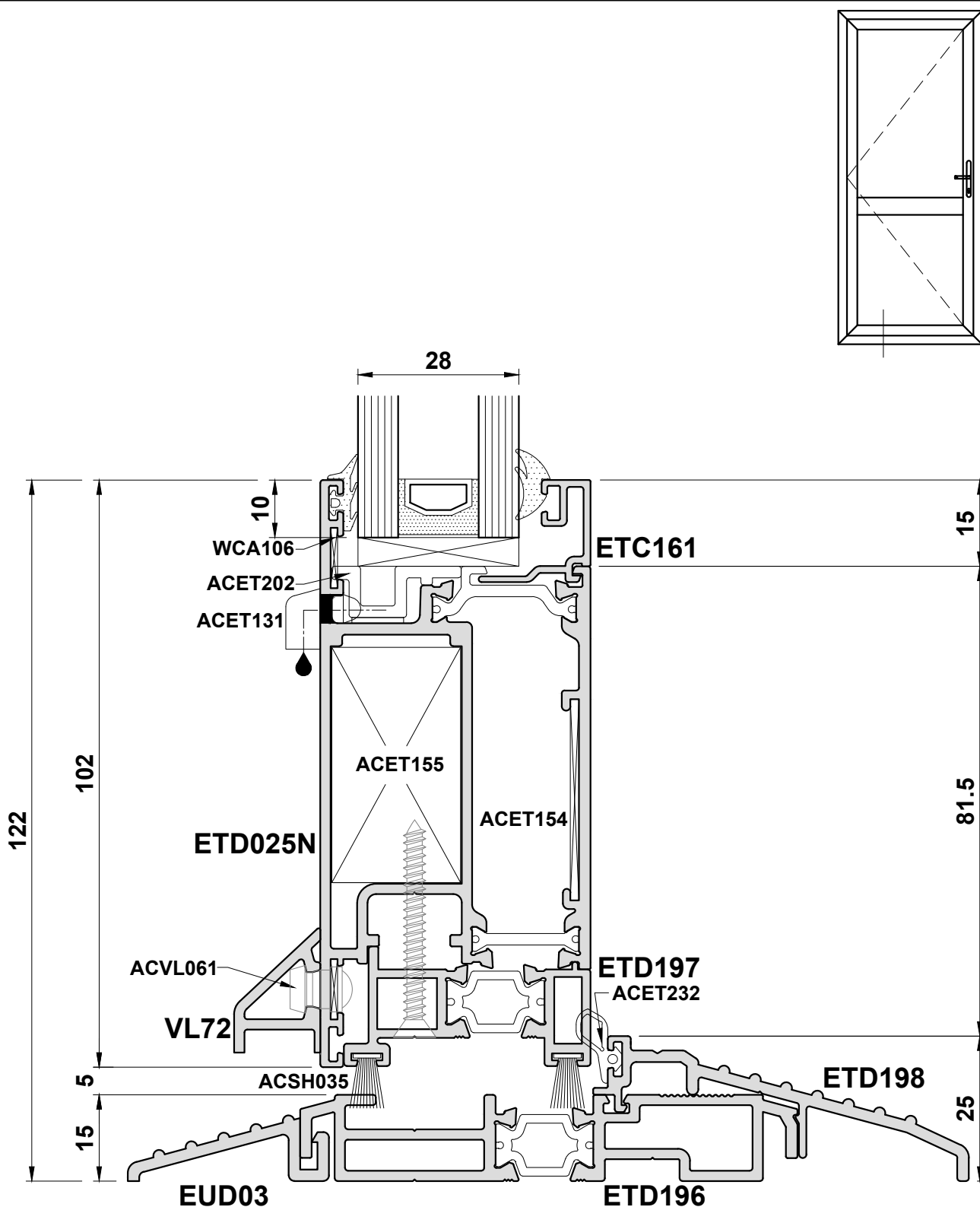
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Detail 17D



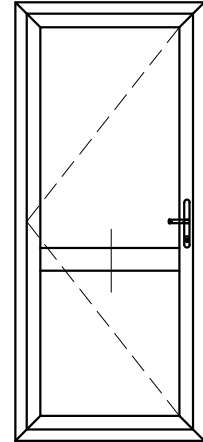
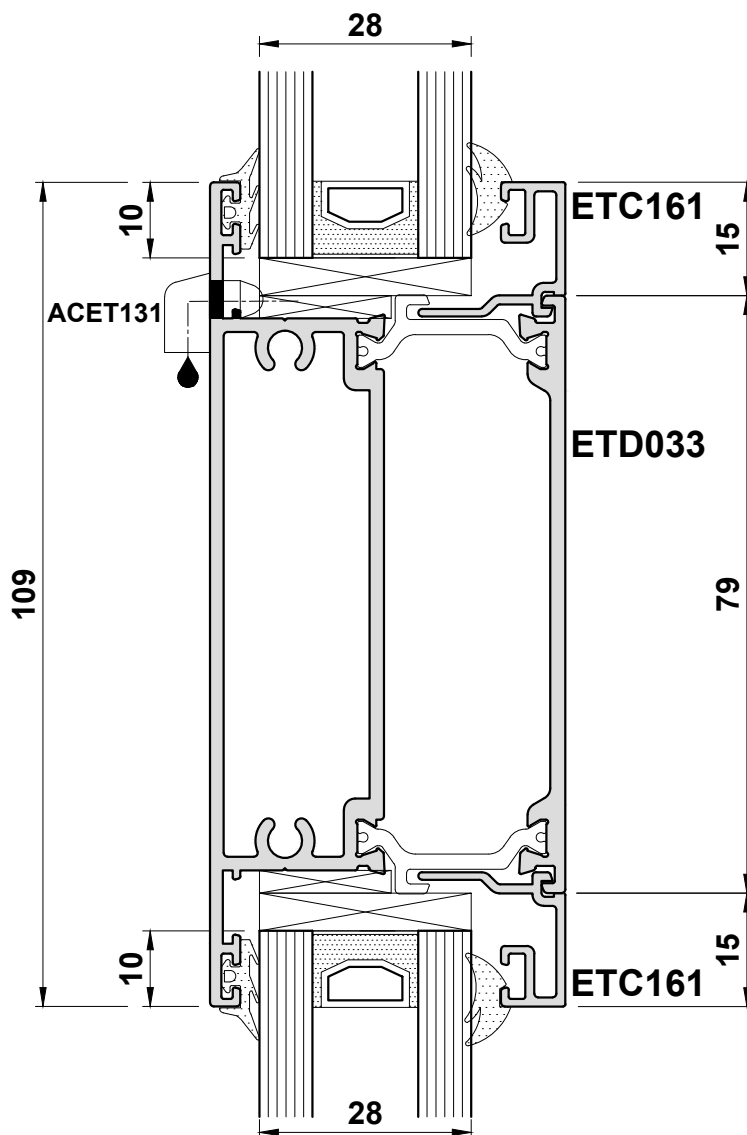
Do Not Scale From This Drawing

Detail 17E



Do Not Scale From This Drawing

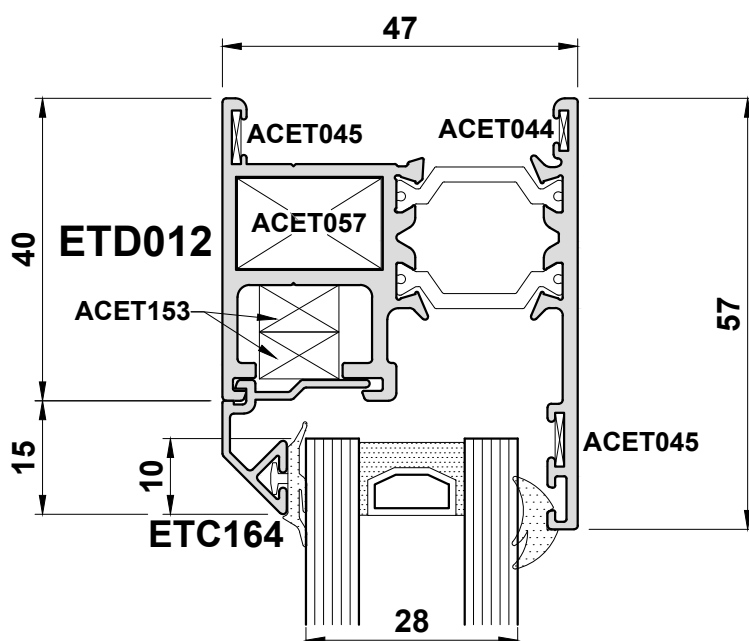
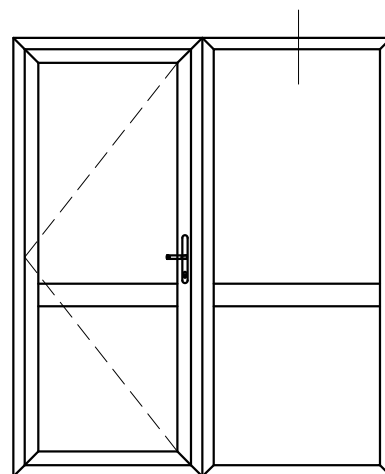
Detail 18



Note: Midrail will drain through the join to the stiles.

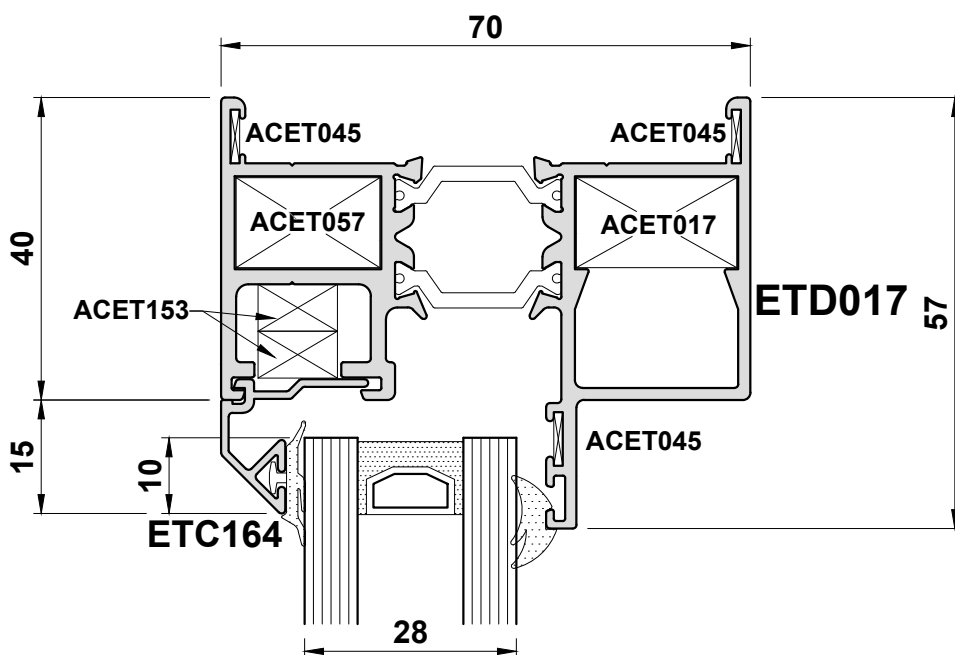
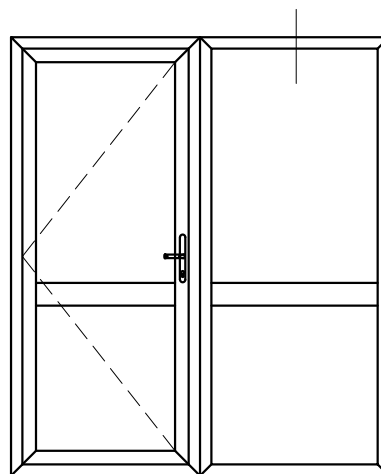
Do Not Scale From This Drawing

Detail 19A



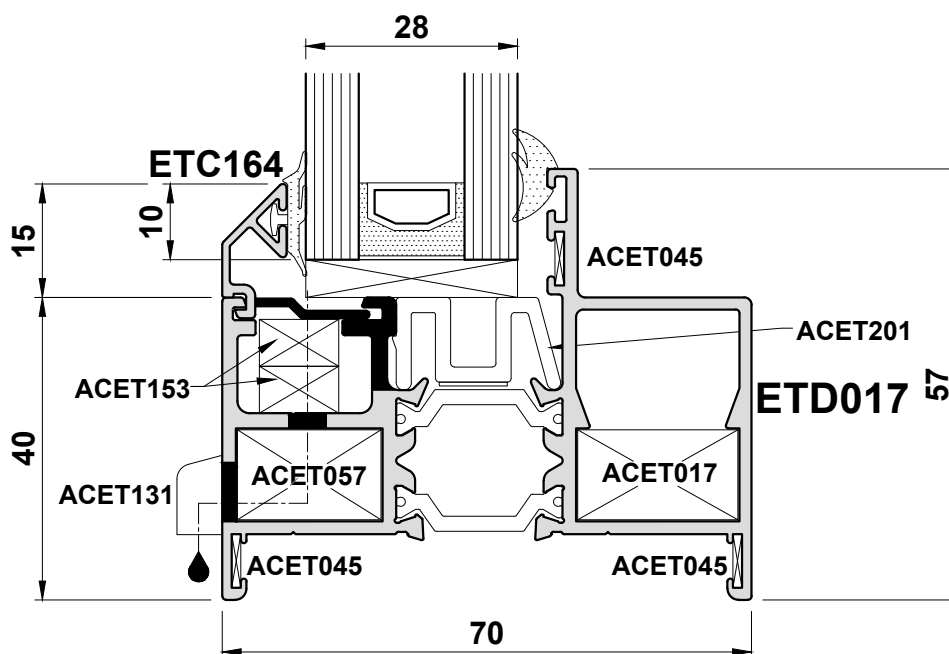
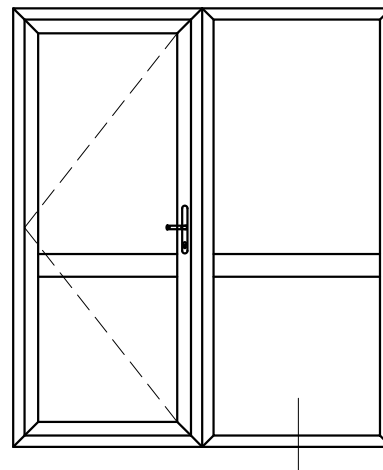
Do Not Scale From This Drawing

Detail 19B



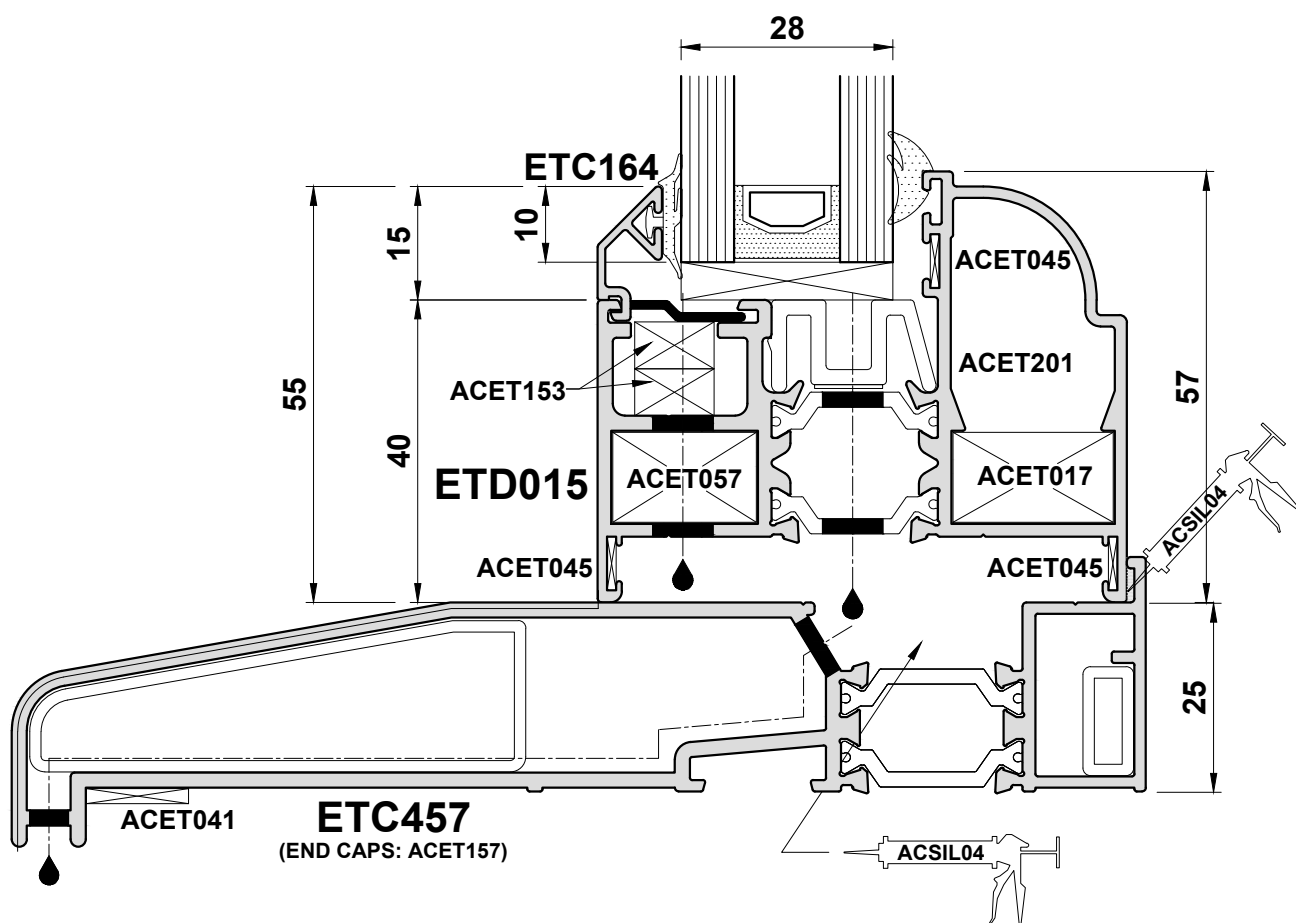
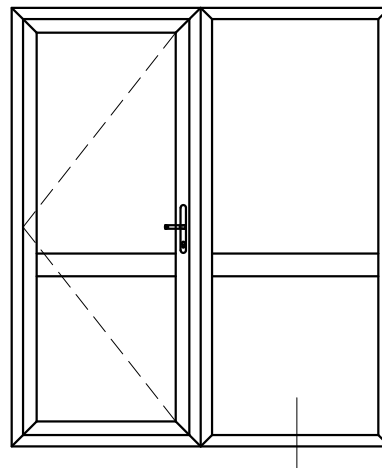
Do Not Scale From This Drawing

Detail 20A



Do Not Scale From This Drawing

Detail 20B



Do Not Scale From This Drawing

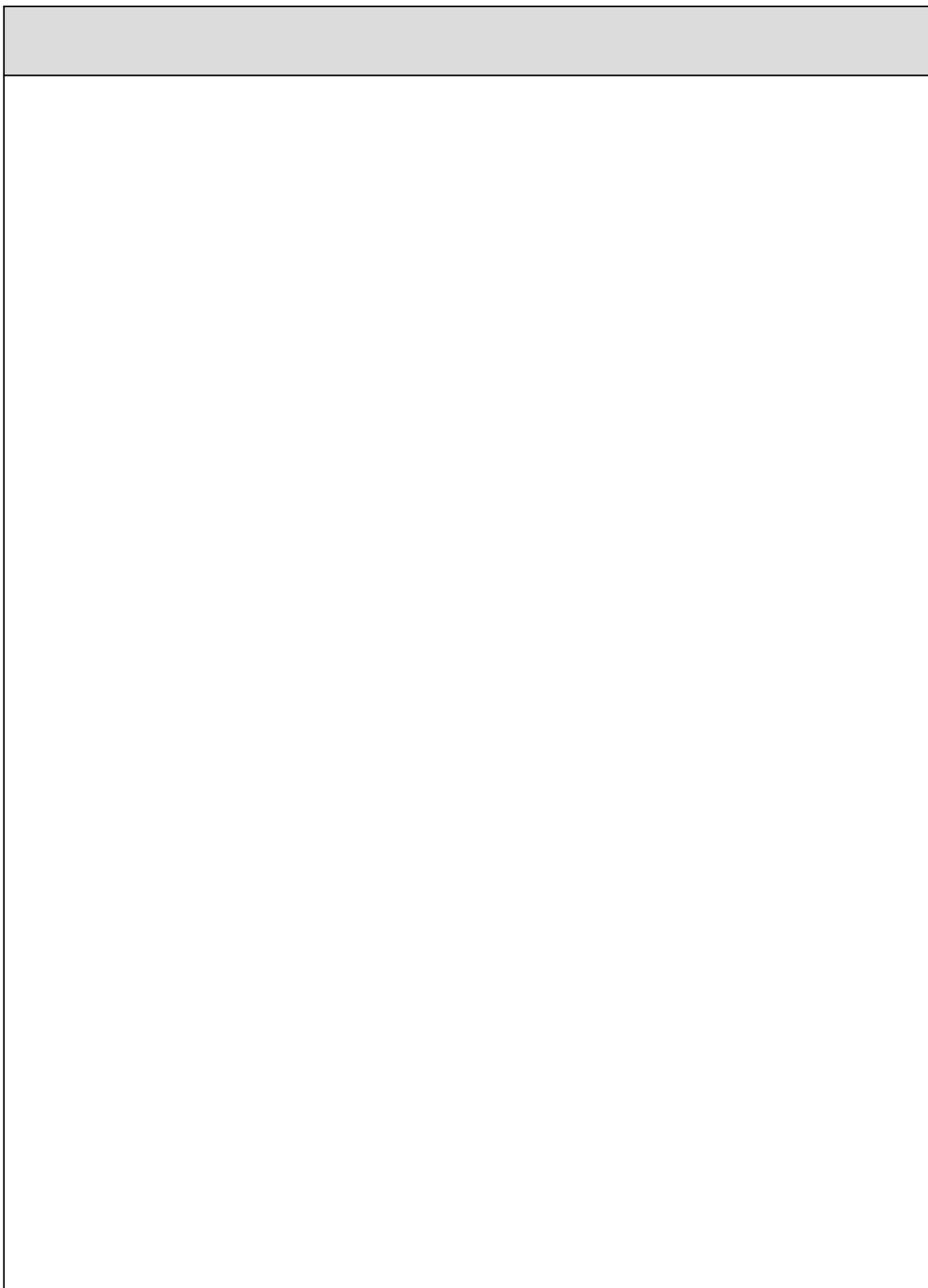
Section D

Statics

Open Out & In

General Size Limitations are shown on Page A03.

**For Wind Loading Limitations, Please Contact
The Technical Department - T: 01934 876100**



Section E

Construction Drawings

Open In

Corner Joint Details	Page E03 - E07
Drainage	Page E08 - E09
Mullion & Mid-Rail	Page E10 - E12
Hinges	Page E13 - E14
Lock Selection & Installation	Page E15 - E20
ETD048 & ETD197 Preparation & End Caps	Page E21
Letter Plate	Page E22
Glazing Details	Page E23
ACET149	Page E24
Example Layout	Page E25
PAS24:2012 Accessories & Position	Page E26

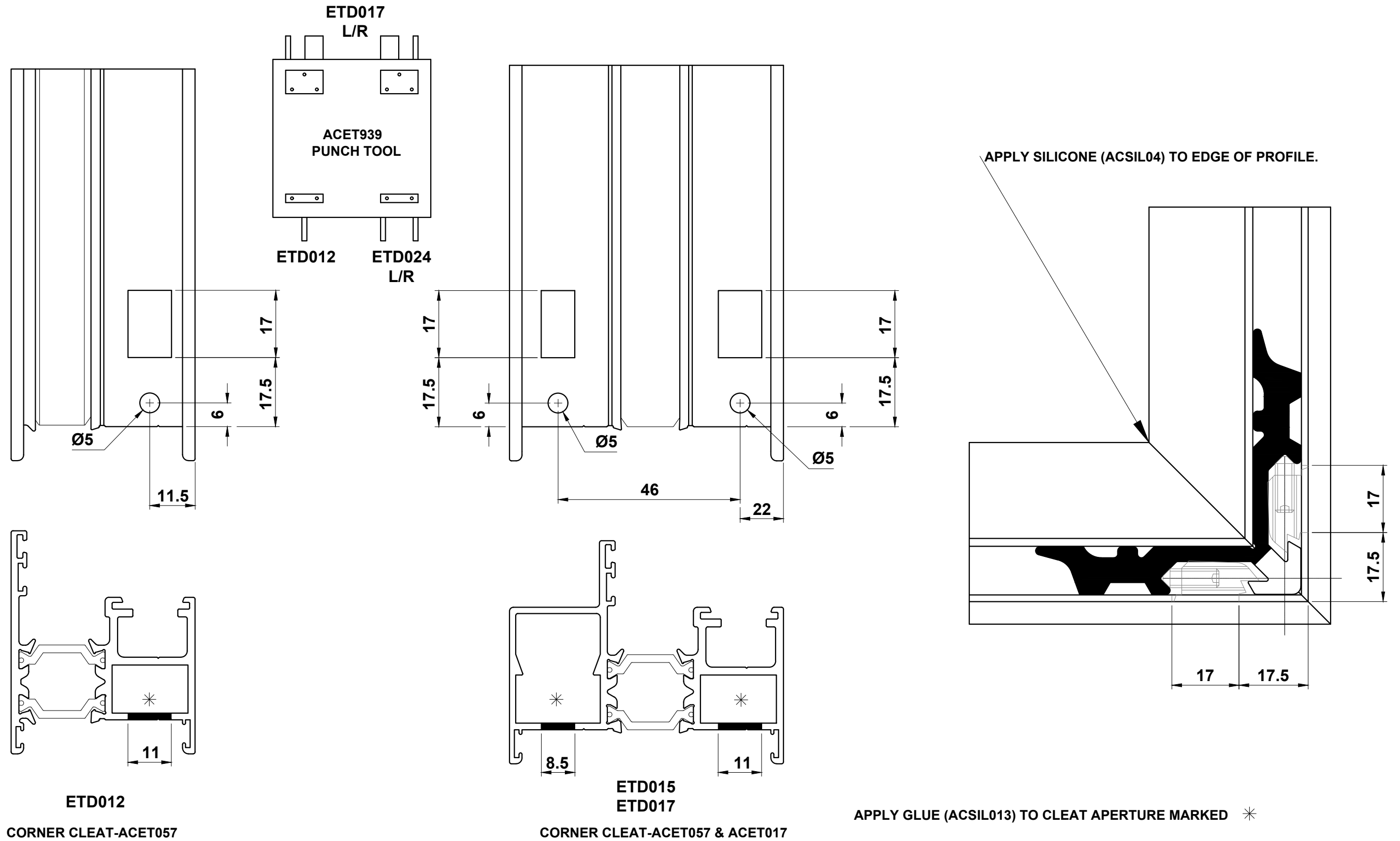
Section E

Construction Drawings

Open Out

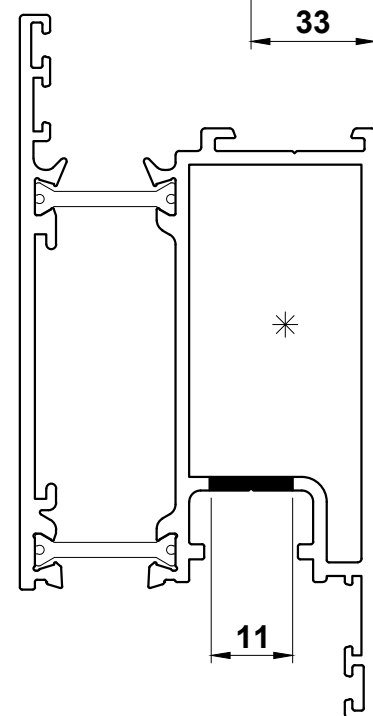
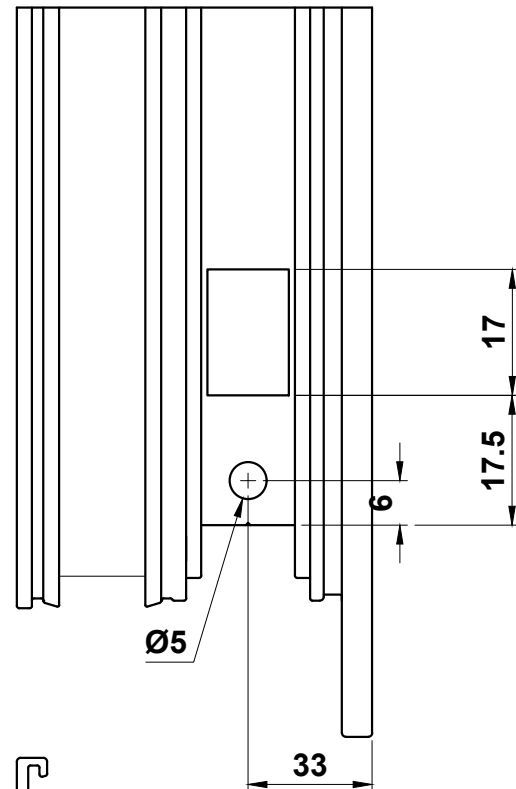
Corner Joint Details	Page E27 - E31
Drainage	Page E32 - E33
Mullion & Mid-Rail	Page E34 - E36
Hinges	Page E37 - E38
Lock Selection & Installation	Page E39 - E41
ETD048 & ETD197 Preparation & End Caps	Page E44
Letter Plate	Page E45
Glazing Details	Page E46
ACET149	Page E47
Example Layout	Page E48
PAS24:2012 Accessories & Position	Page E49
Fixing Strap Guide	Page E50

Outer Frame Corner Joint Details

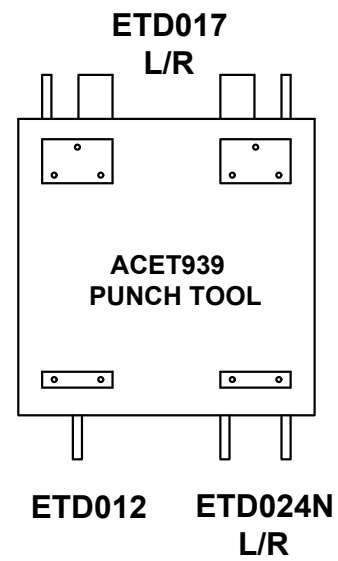


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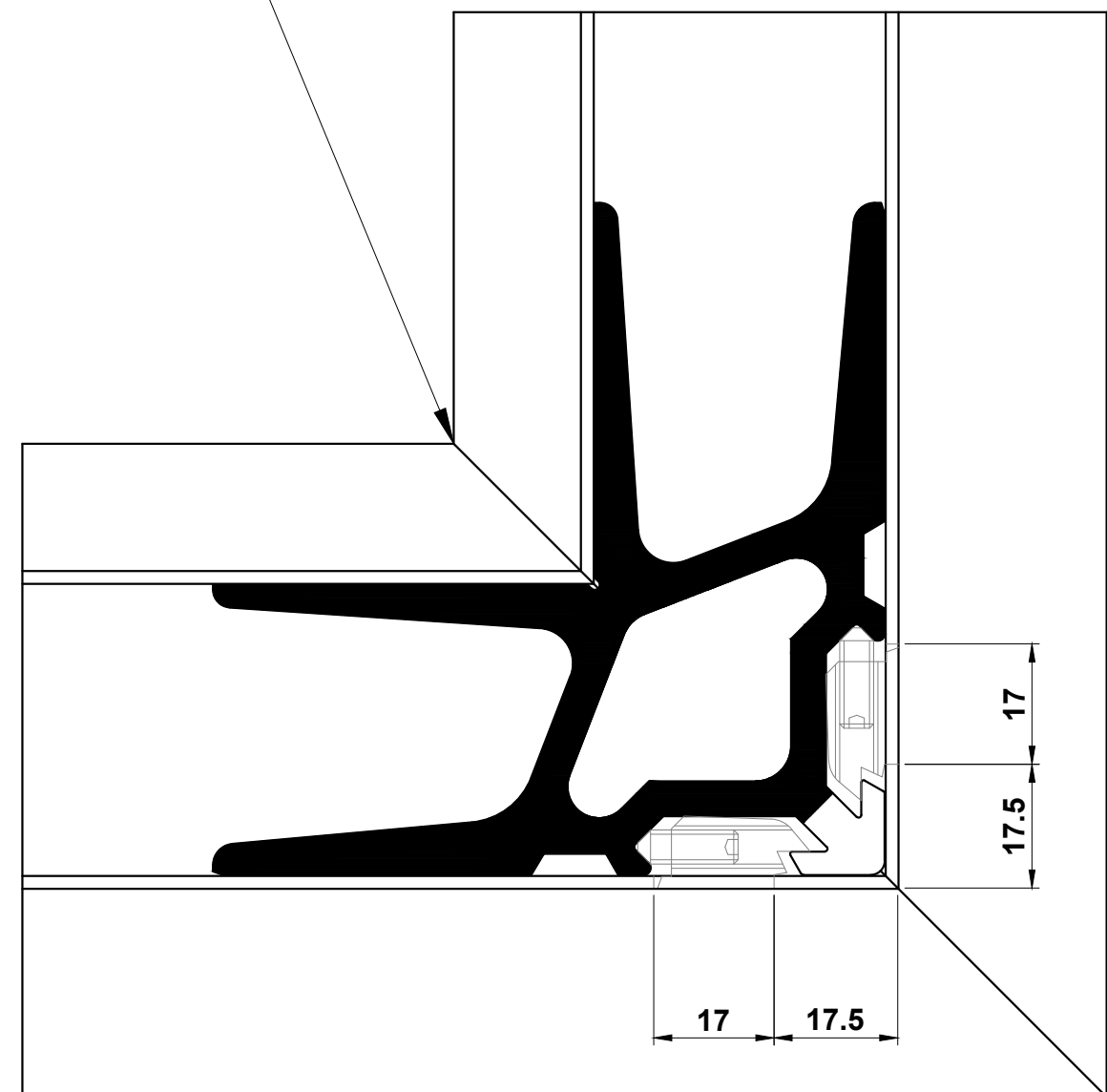
Sash Corner Joint Details



ETD024N
Corner Cleat - ACET155



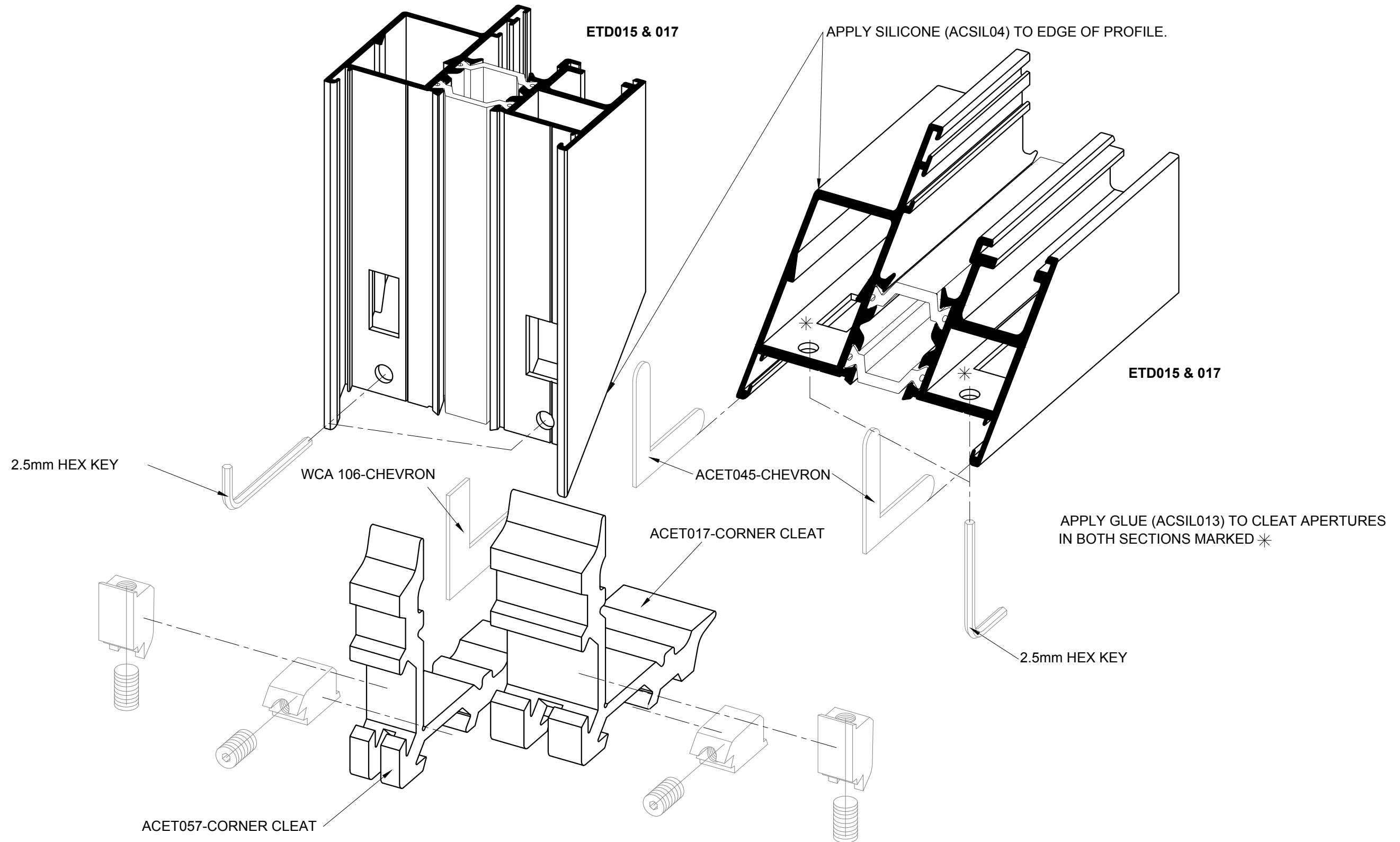
Apply Silicone (ACSIL04) to Edge of Profile



Apply Glue (ACSIL013) to Cleat Aperture Marked *

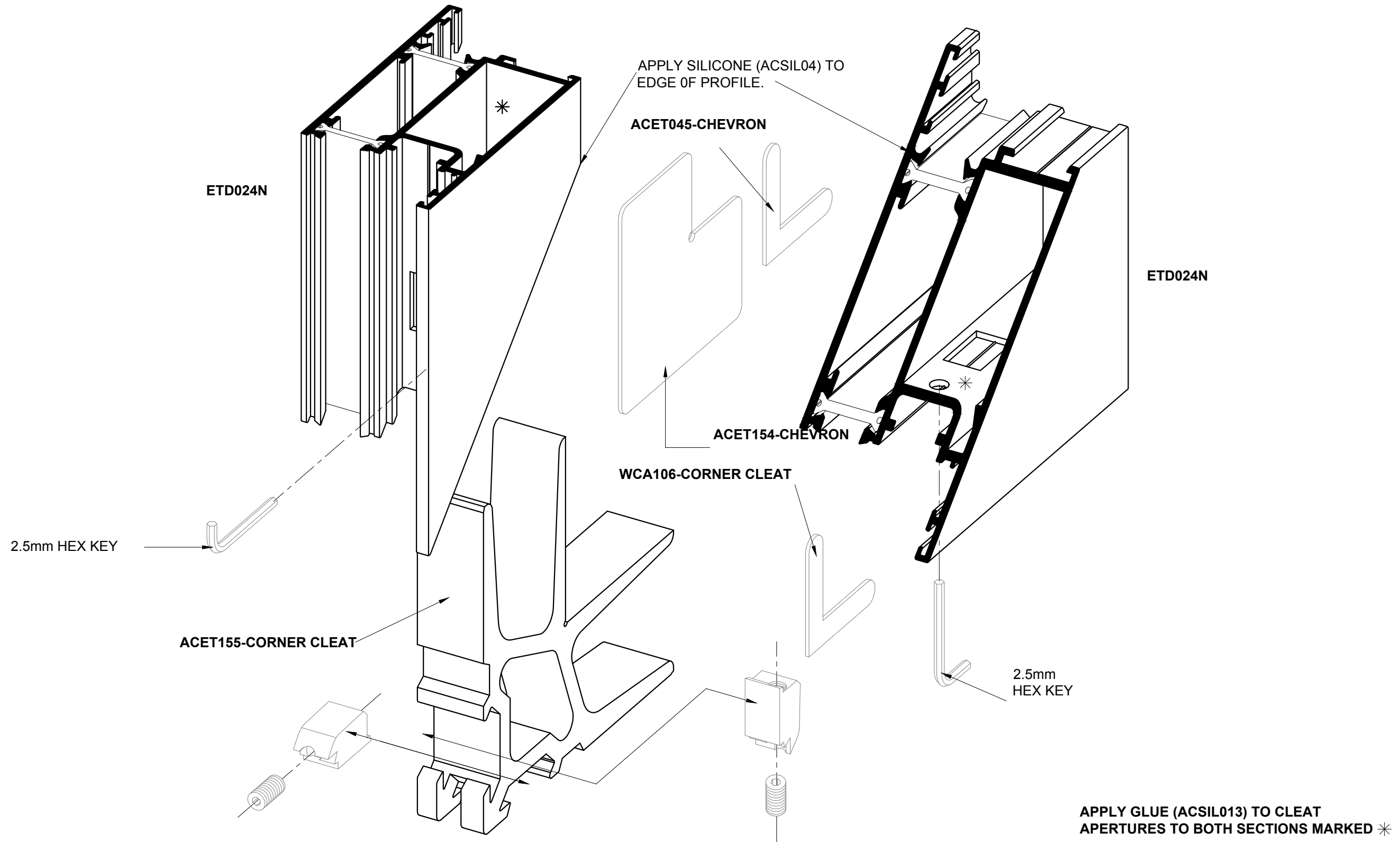
Do Not Scale From This Drawing

Outer Frame Corner Assembly



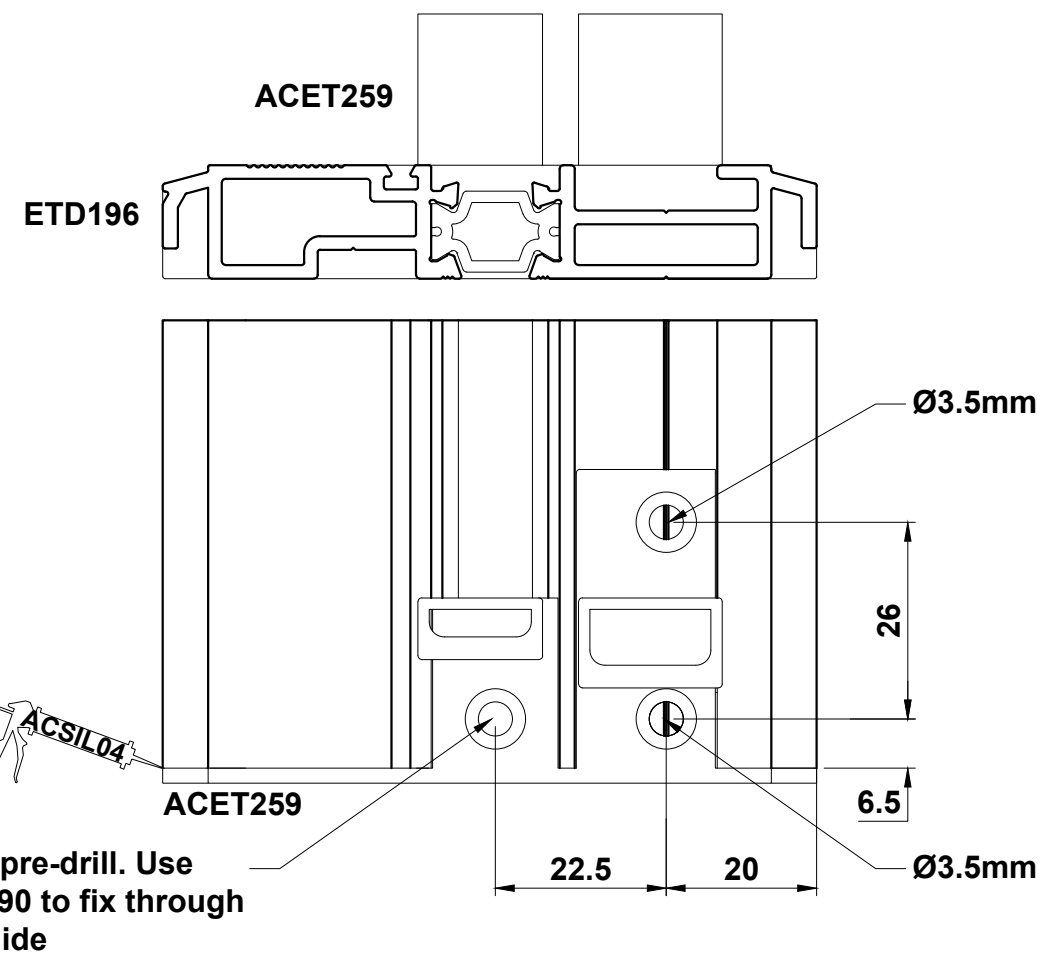
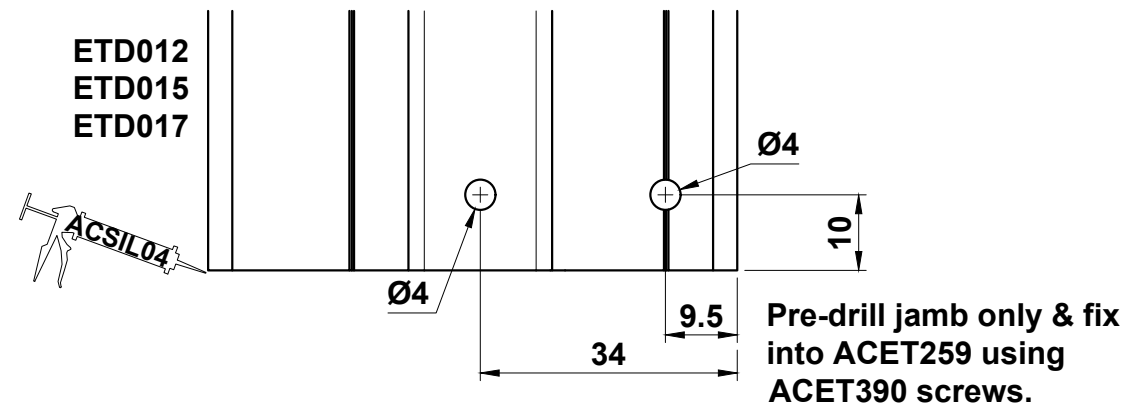
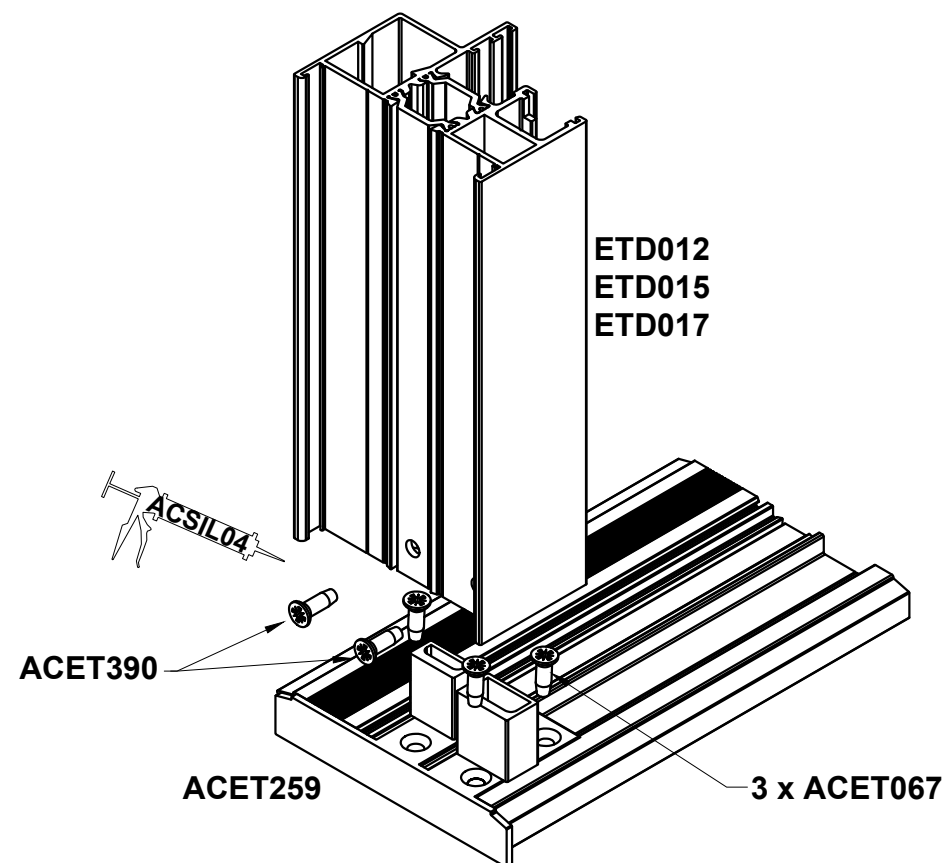
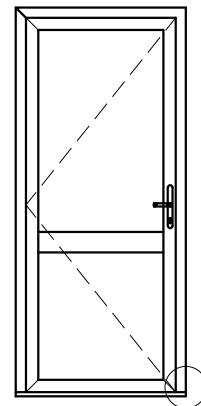
Do Not Scale From This Drawing

Sash Corner Assembly

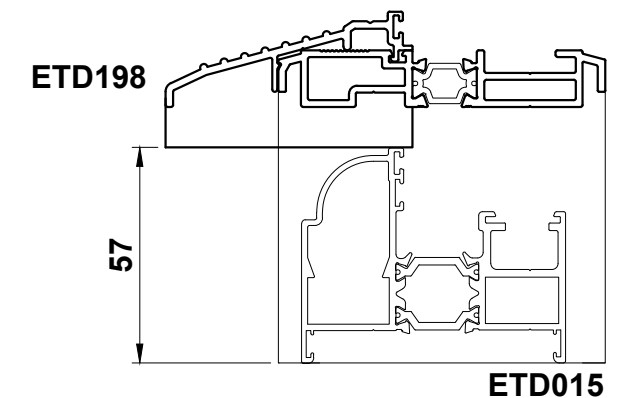
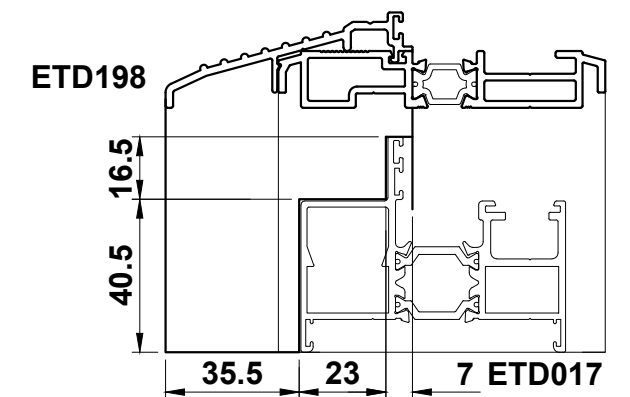
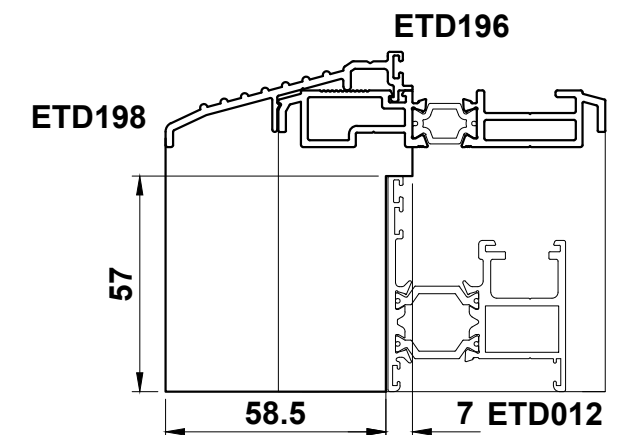
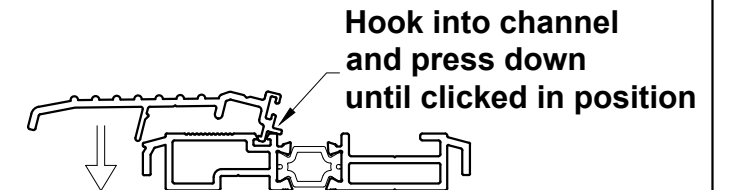


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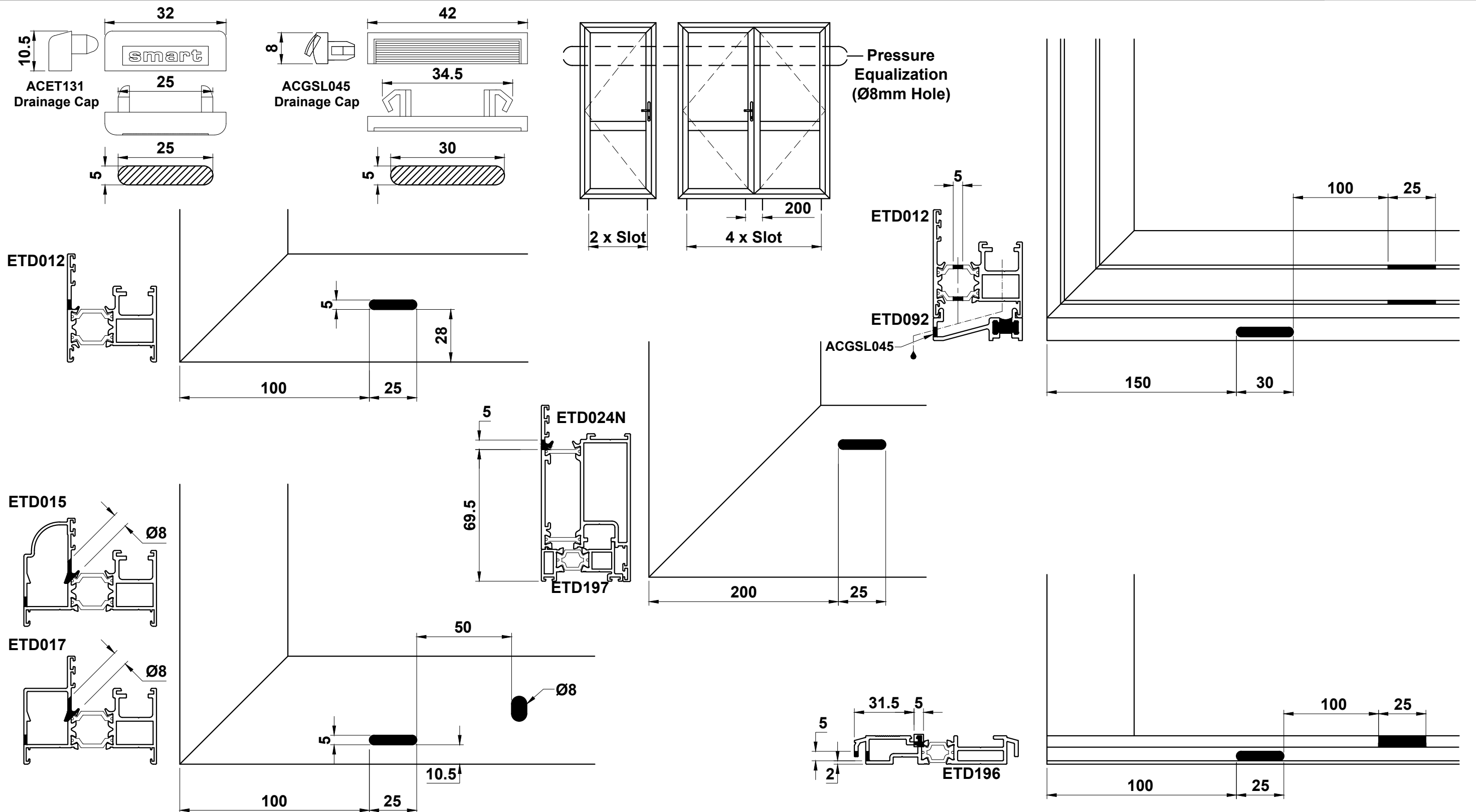
Low Threshold Preparation & Assembly



ETD198 Fitting

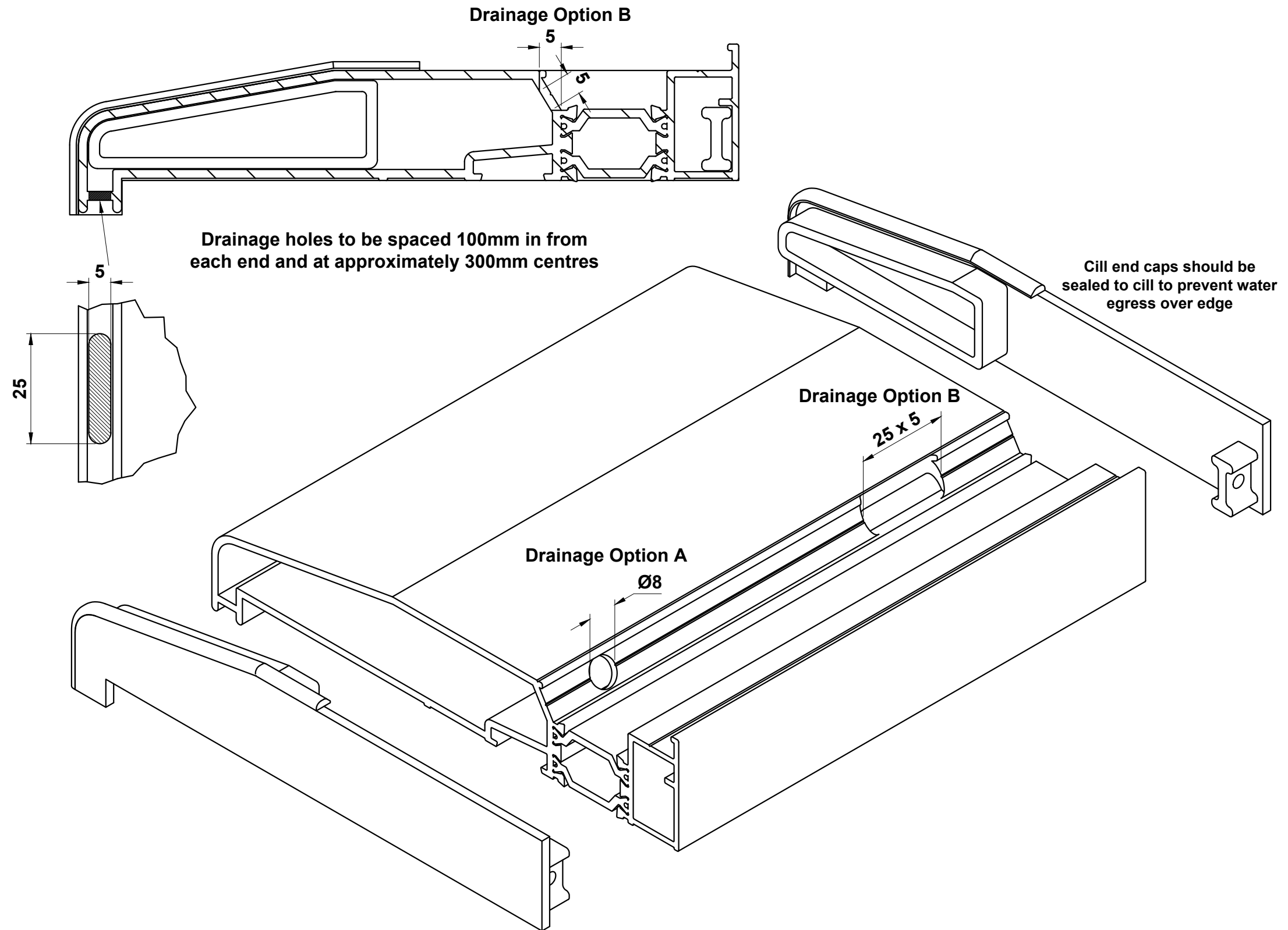


Do Not Scale From This Drawing



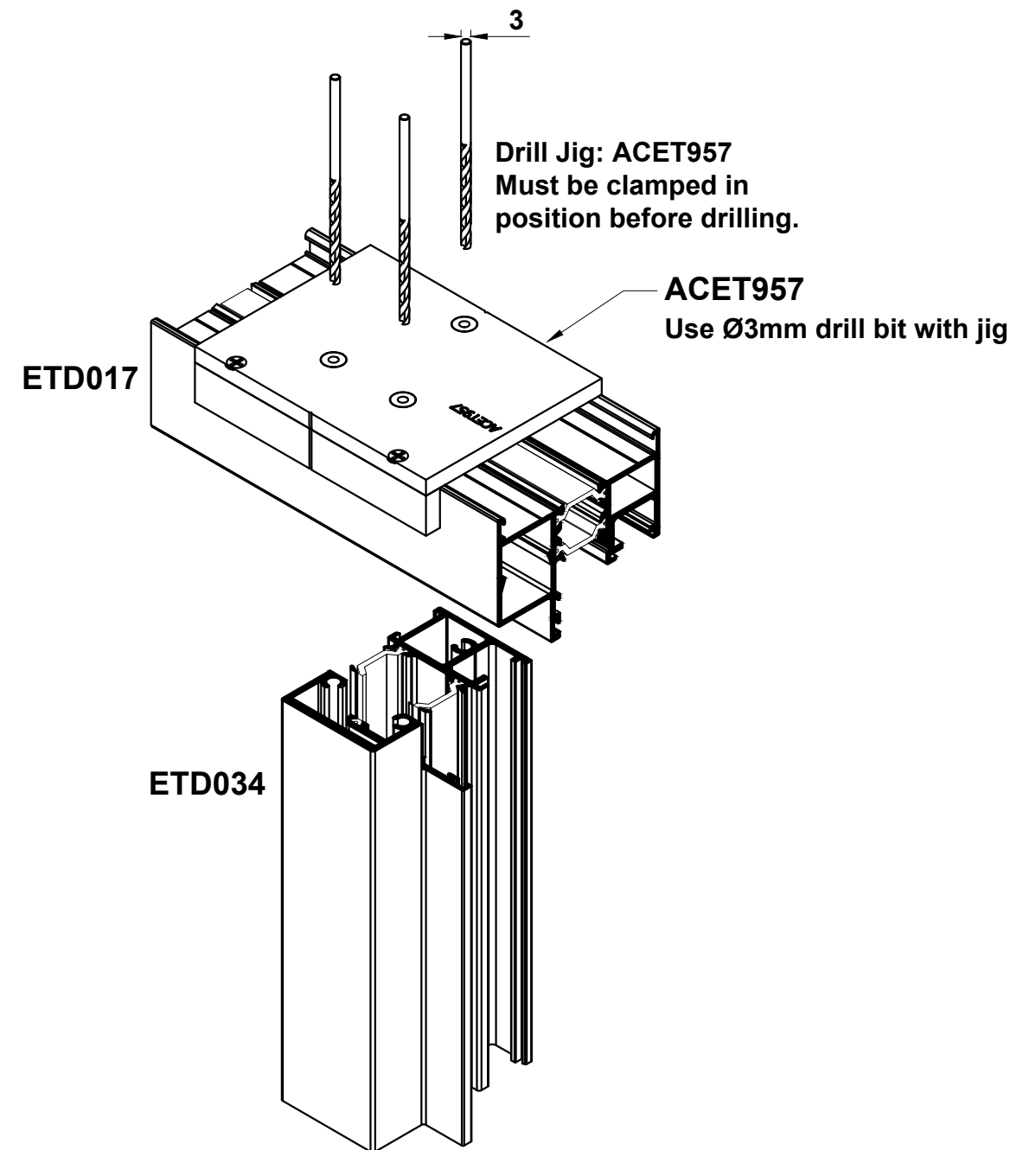
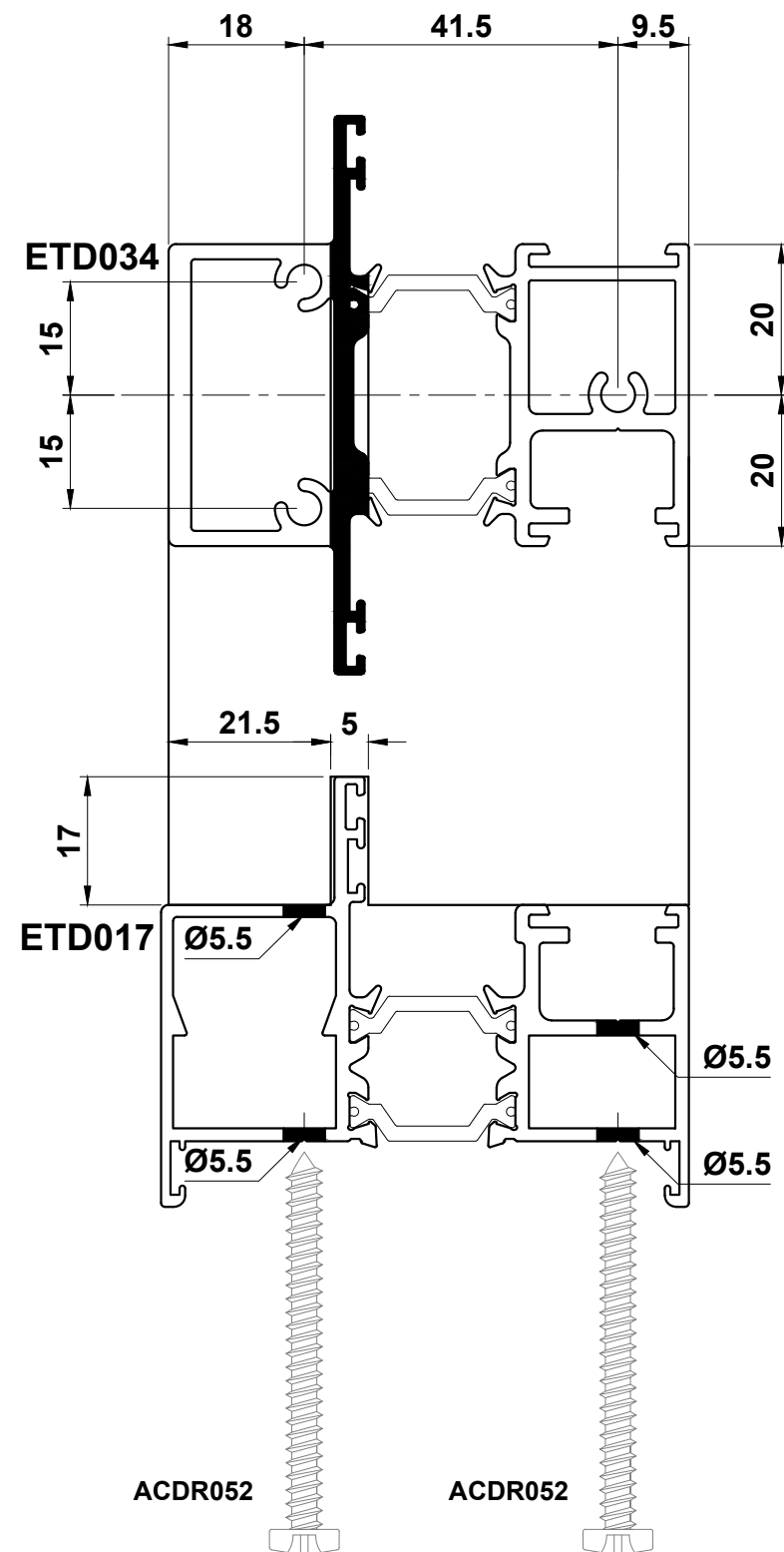
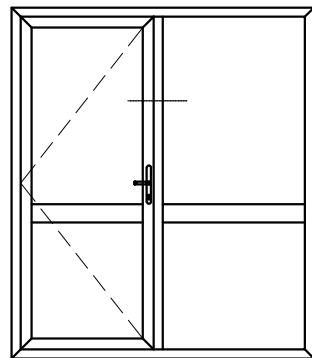
Do Not Scale From This Drawing

Cill Drainage Details



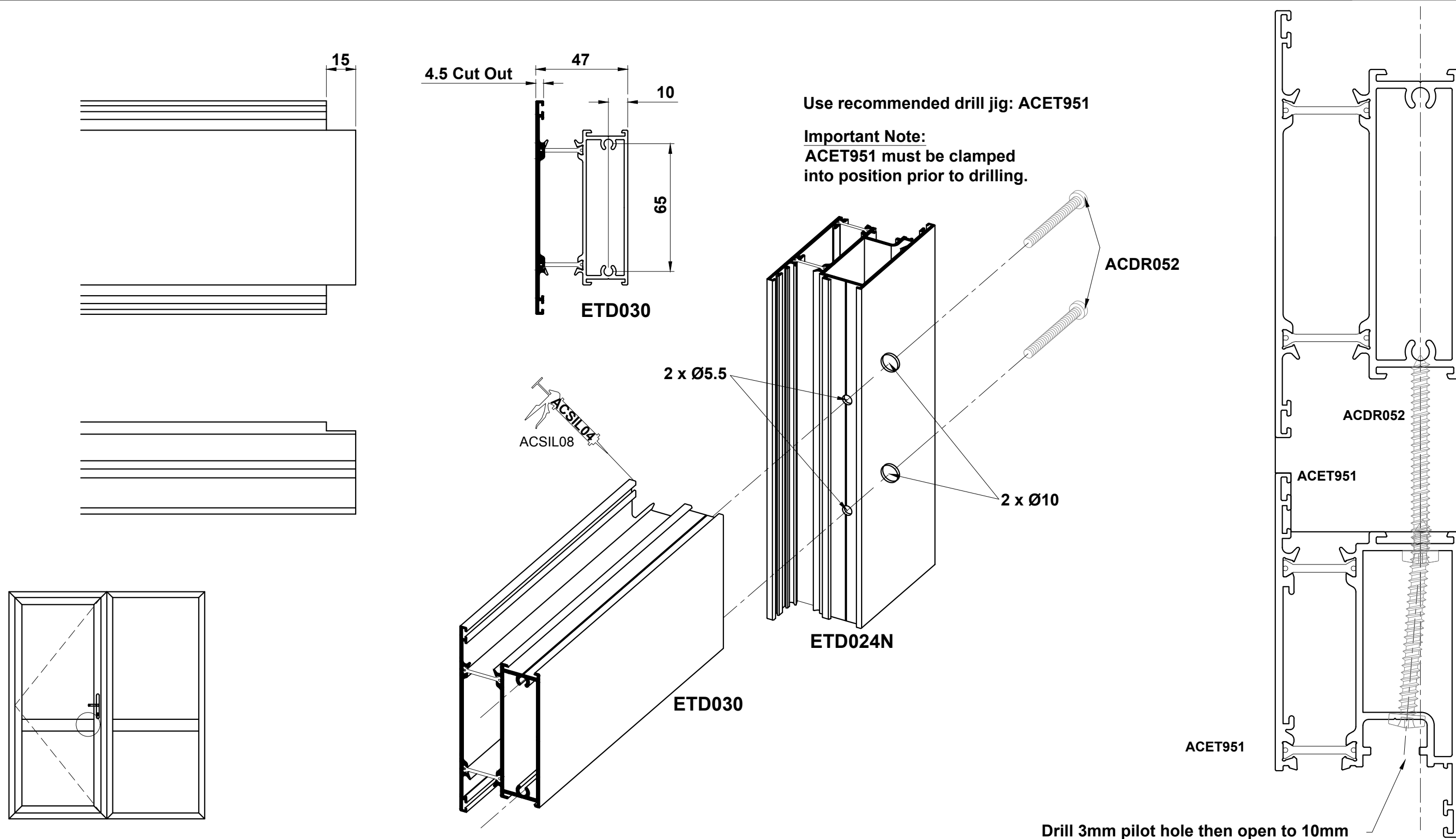
Do Not Scale From This Drawing

Mullion Preparation



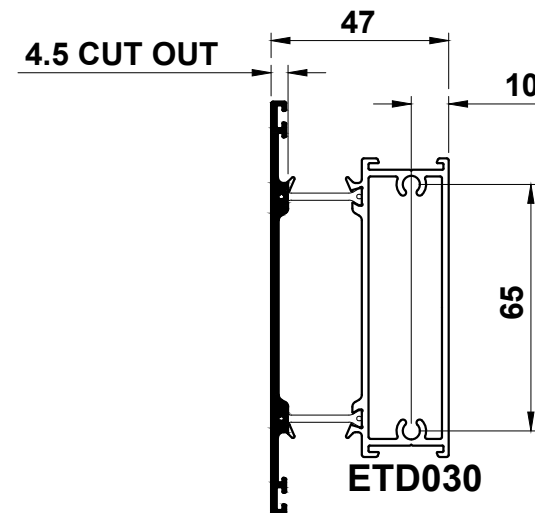
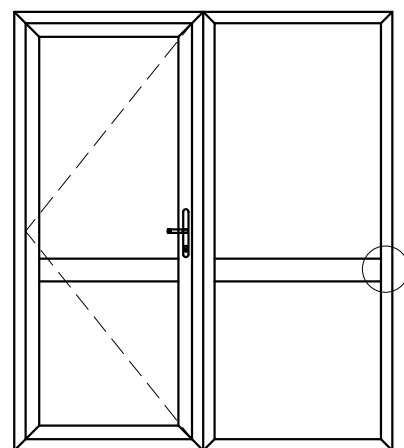
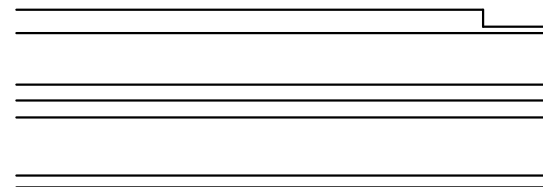
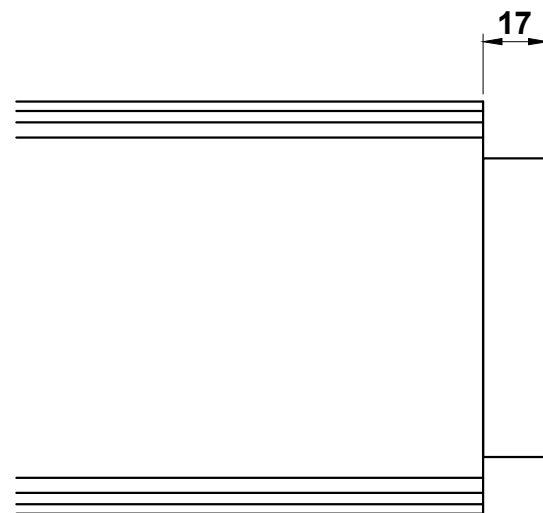
Do Not Scale From This Drawing

Mid Rail Preparation into Sash



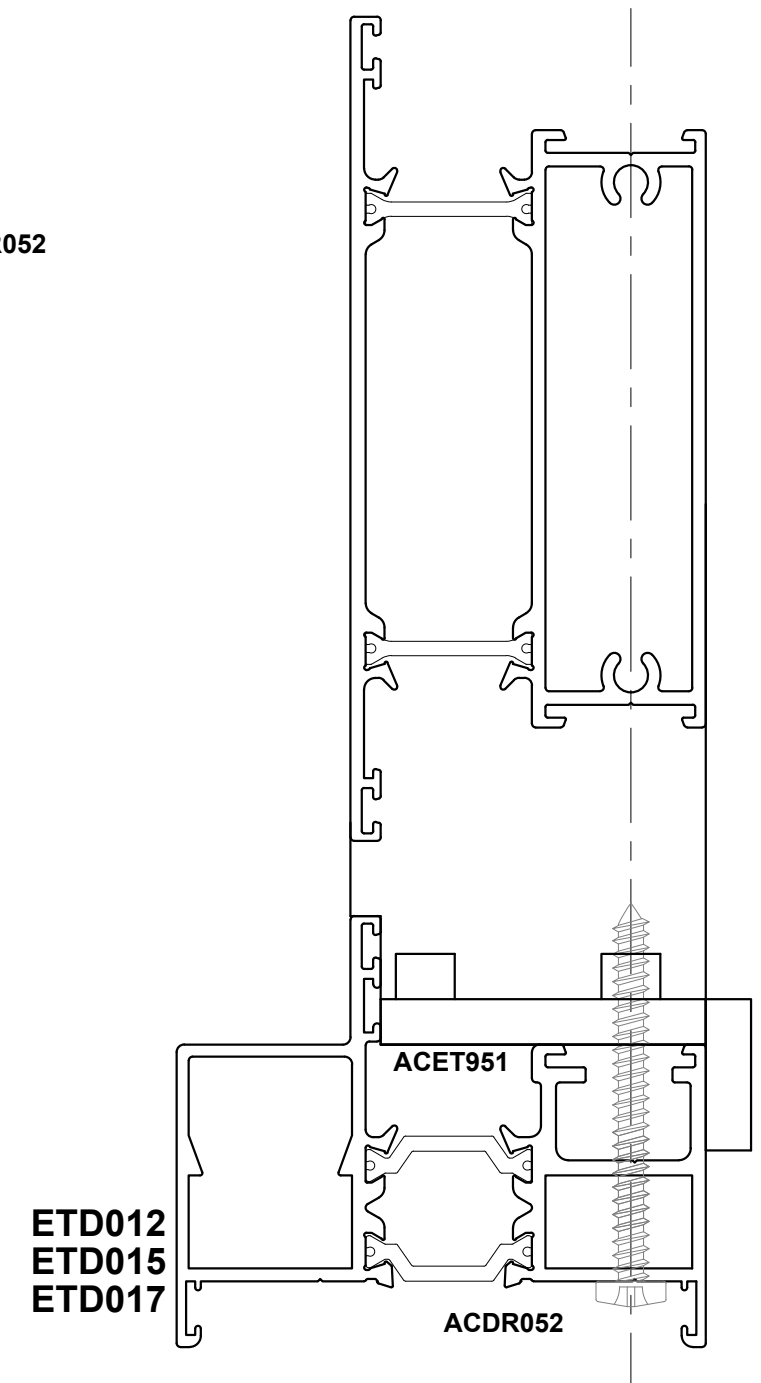
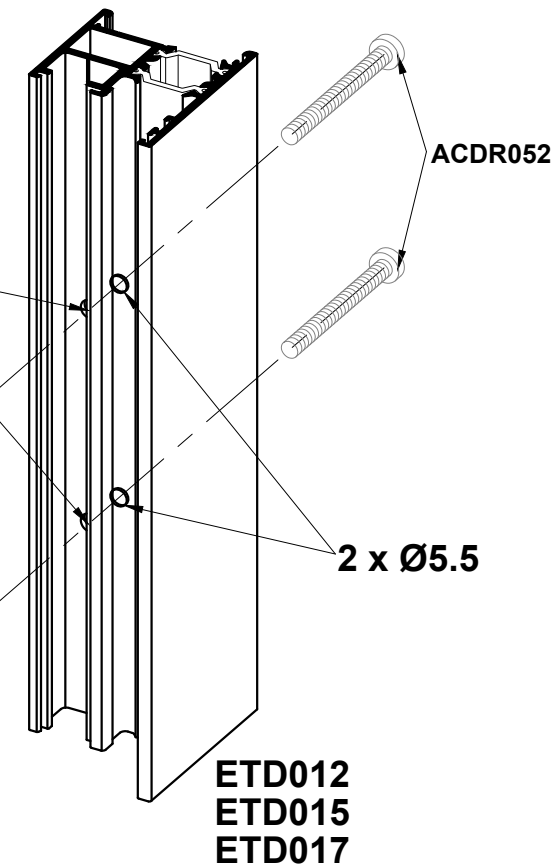
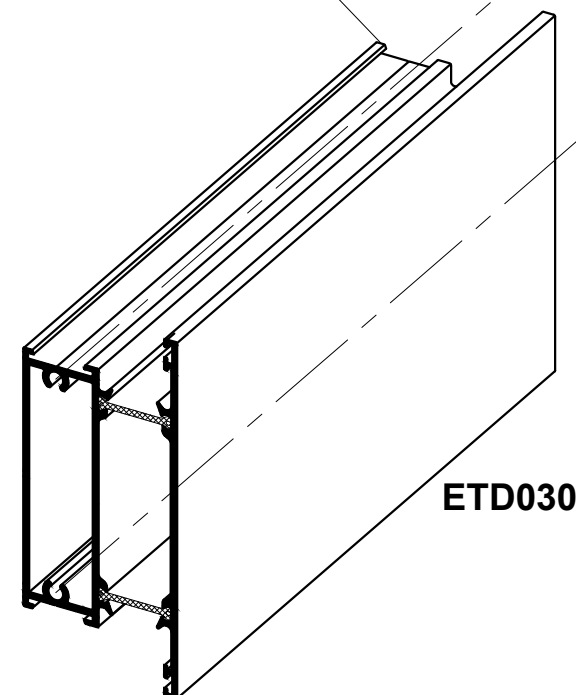
Do Not Scale From This Drawing

Mid Rail Preparation into Outer Frame



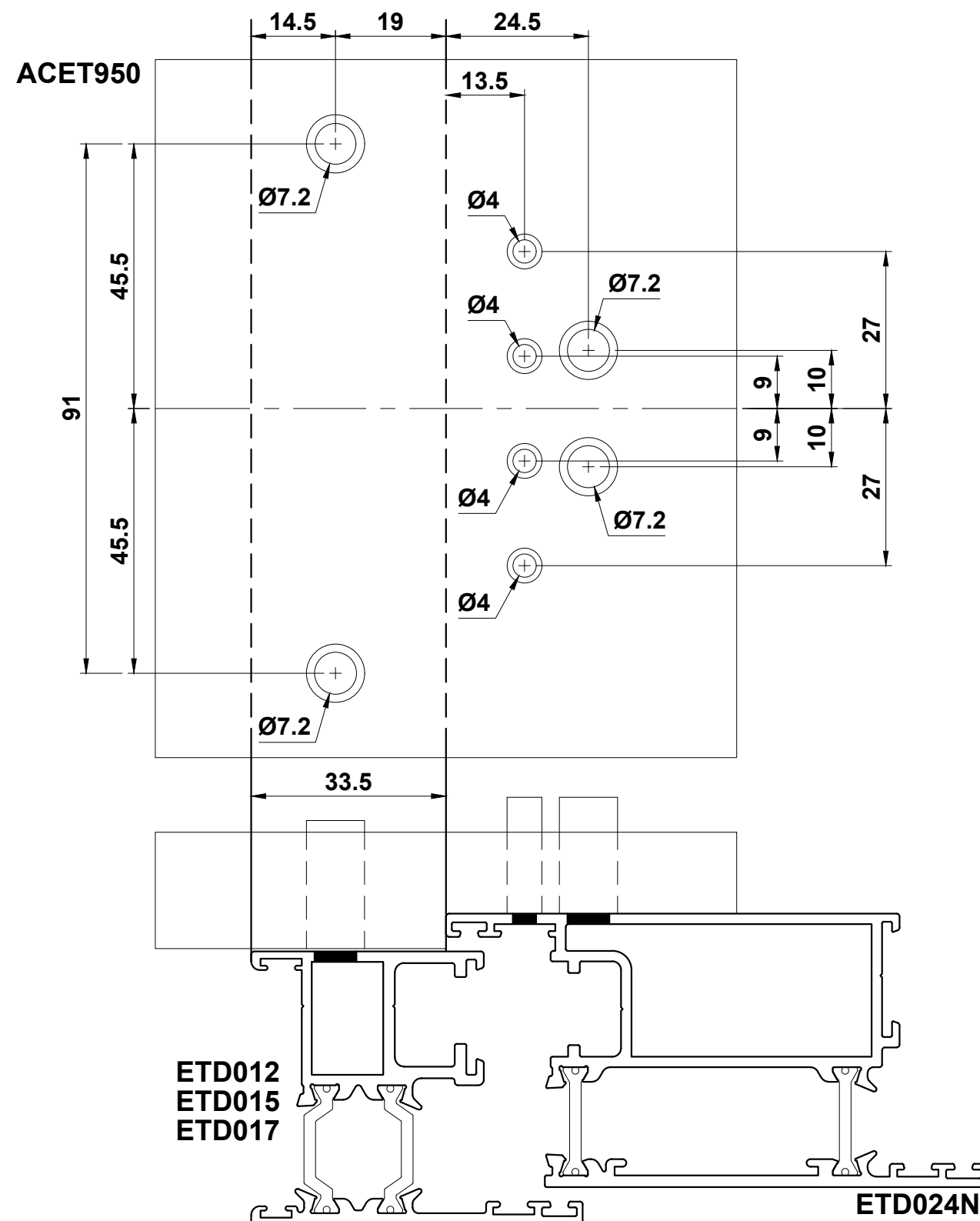
Use recommended drill jig: ACET951

Important Note:
ACET951 must be clamped into position prior to drilling.



Do Not Scale From This Drawing

ACET250 Hinge Fitting Details

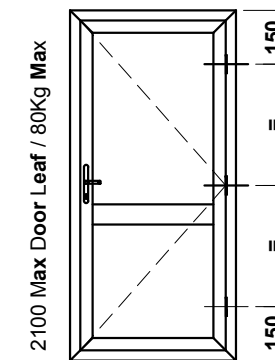


Fitting Instructions:

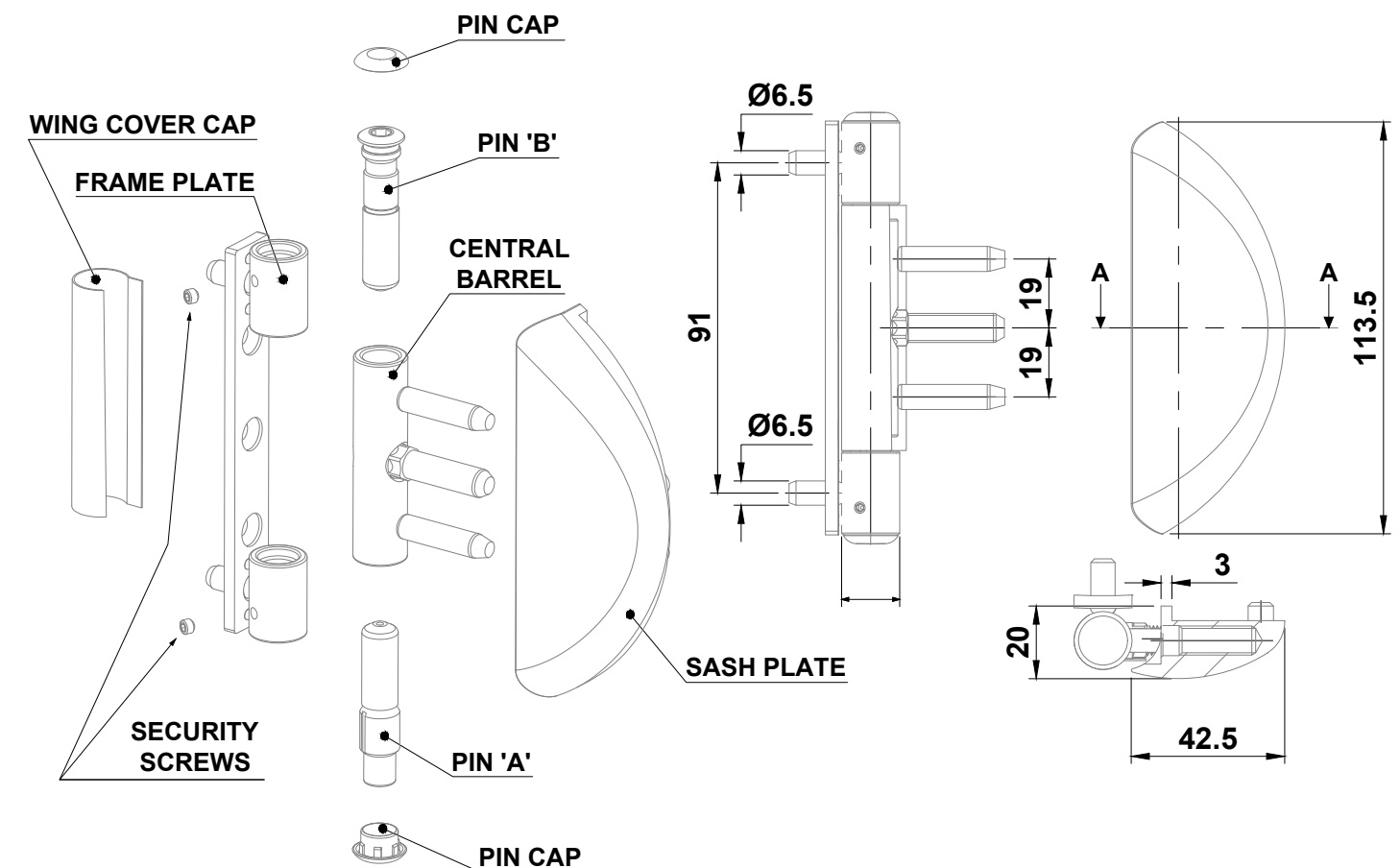
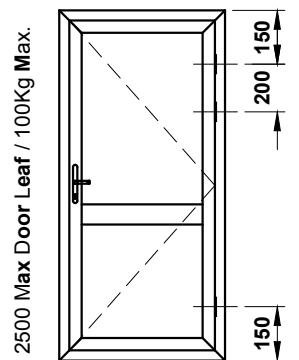
(Full instructions are supplied with each ACET250 Hinge)

1. Align outer frame and sash in correct position
2. Clamp drill jig ACET950 over the centre line of the hinge
3. Drill through all bushes marked '1' with a Ø7.2mm drill bit (supplied) and through all bushes marked '2' with a Ø4mm drill bit (not supplied)
4. Fasten the sash plate
5. Fasten the frame plate using ACIM062 screws ensuring the grub screws are positioned towards the door sash
6. Drive in the central barrel until it lines up with the rings on the frame plate
7. Drive in pin 'B' to the top of the hinge and then drive in pin 'A' to the bottom of the hinge
8. Open the door and lightly tighten the security screws
9. Adjust hinge as required then insert caps and cover caps.

UP TO 900 DOOR LEAF



UP TO 1000 DOOR LEAF



Do Not Scale From This Drawing

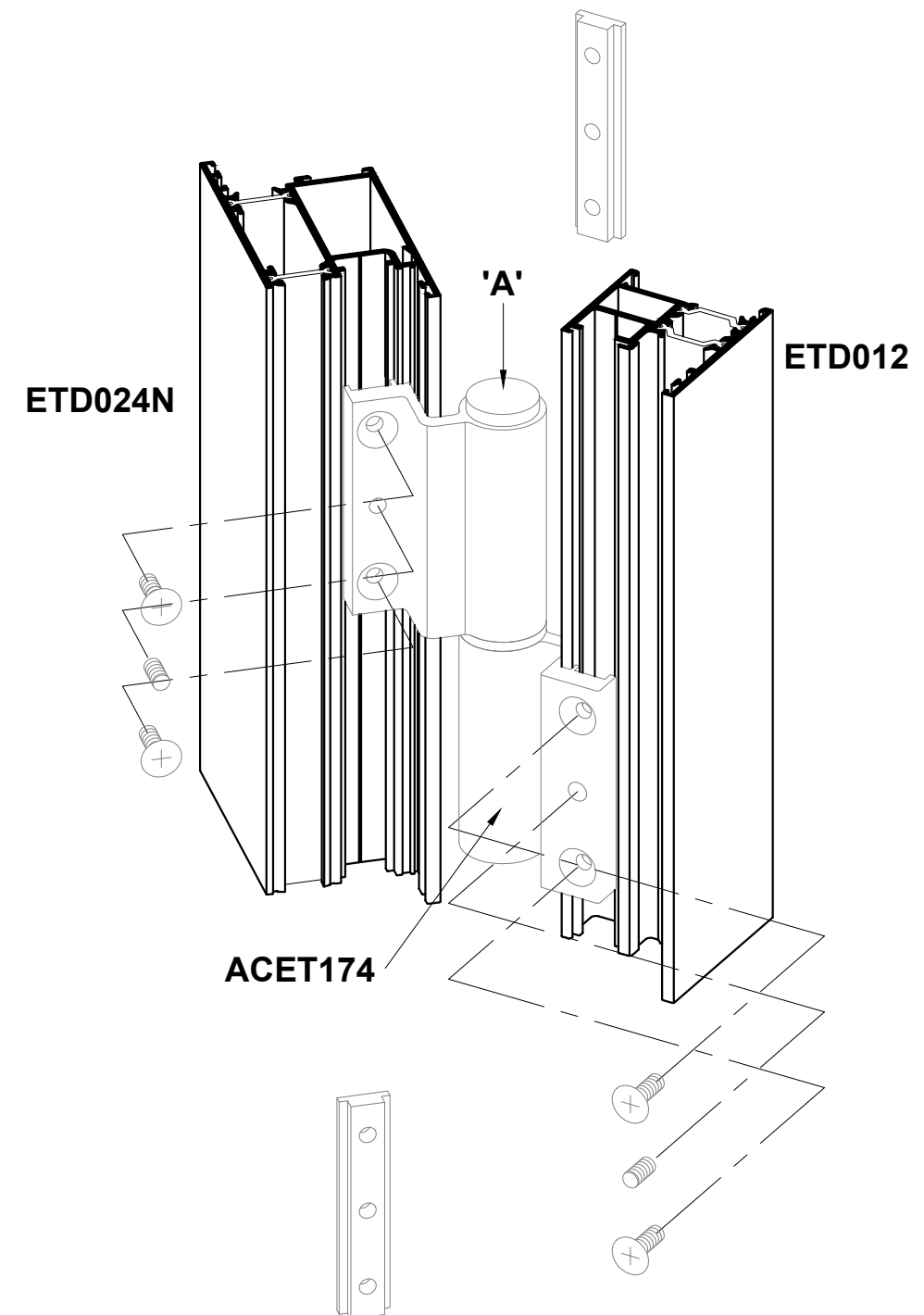
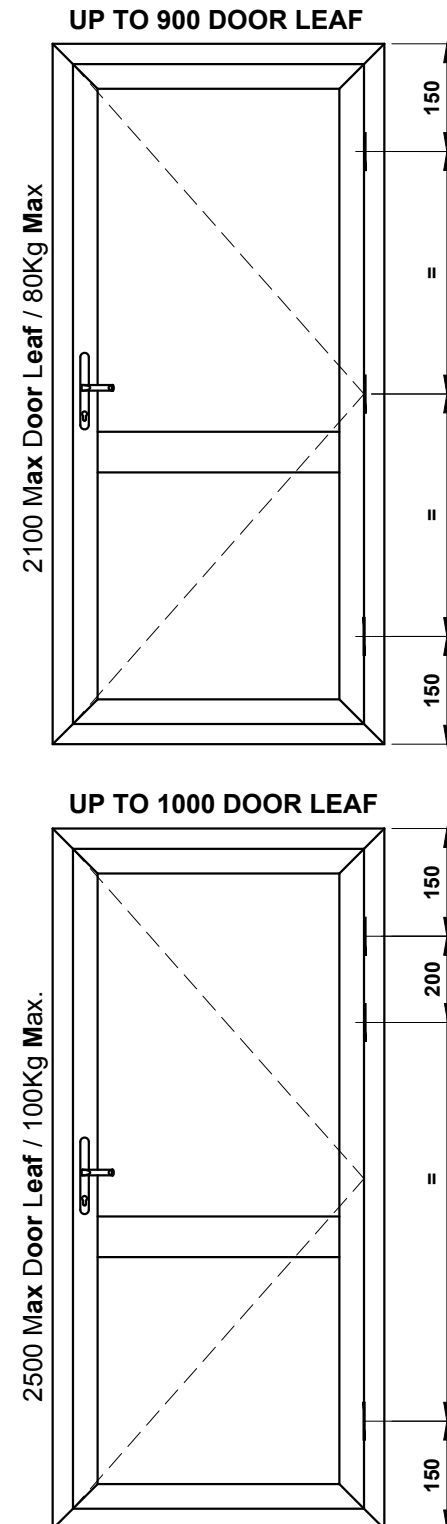
ACET174 Hinge Fitting Details

Assembly Instructions:

1. Fix 2no M5x10mm grub screws to sash frame clamp plate and slide into sash eurogroove to hinge position.
2. Locate hinge and clamp in position using 2no M5x10mm machine screws.
3. Fix sash to outer frame using clamp plates and fit M5 x 15mm CSK machine screws and adjust for correct position.
4. If the sash requires adjustment after the door has been glazed this can be achieved by loosening the clamp plate machine screws, adjusting the sash height and tightening the clamp plates.
5. The final adjustment of the sash width and compression of the gasket when the sash is closed can be achieved by rotating the cam in the hinge (A).

Important Note:

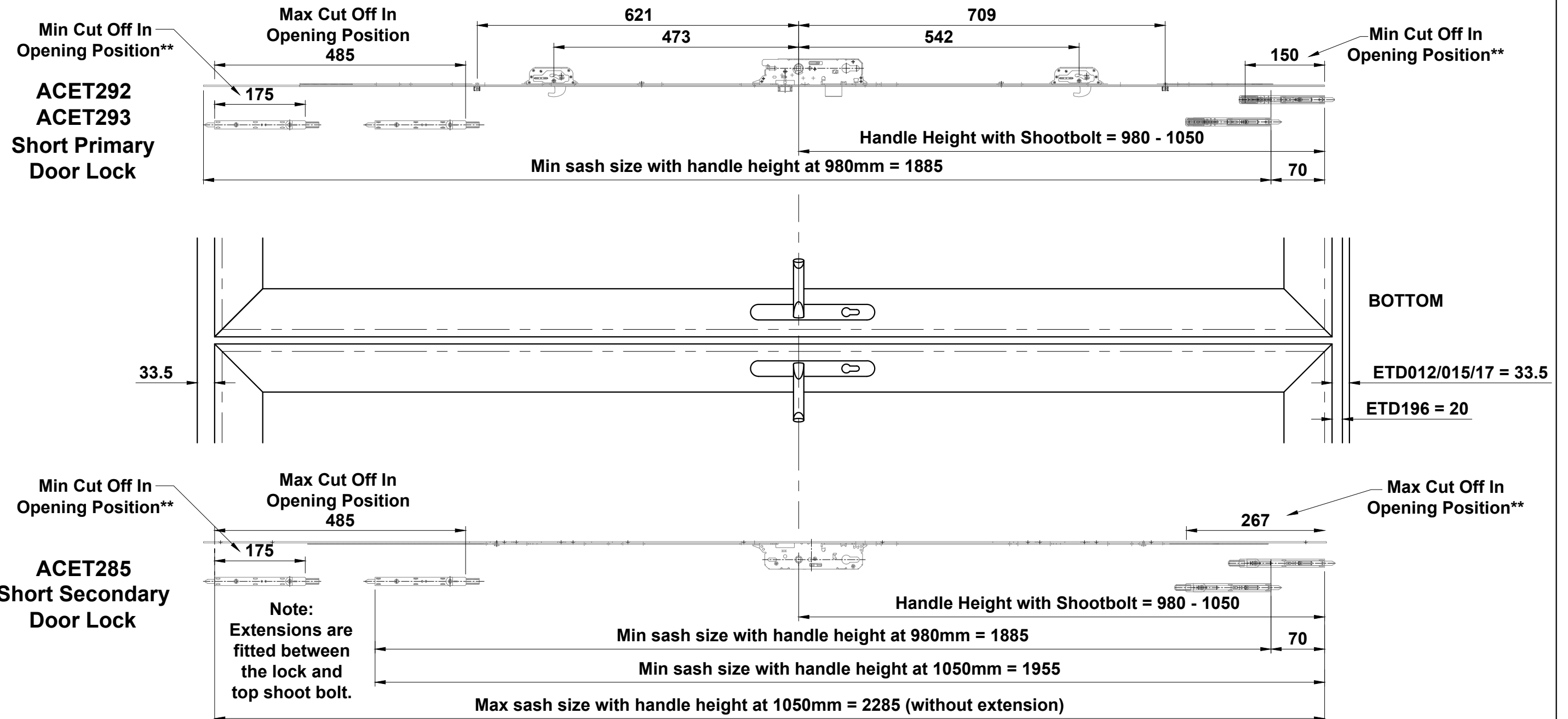
ACET174 hinges are not covered by the Kitemark. ACET250 hinges must be used where compliance is required.



Do Not Scale From This Drawing

Lock Selection with Shootbolts

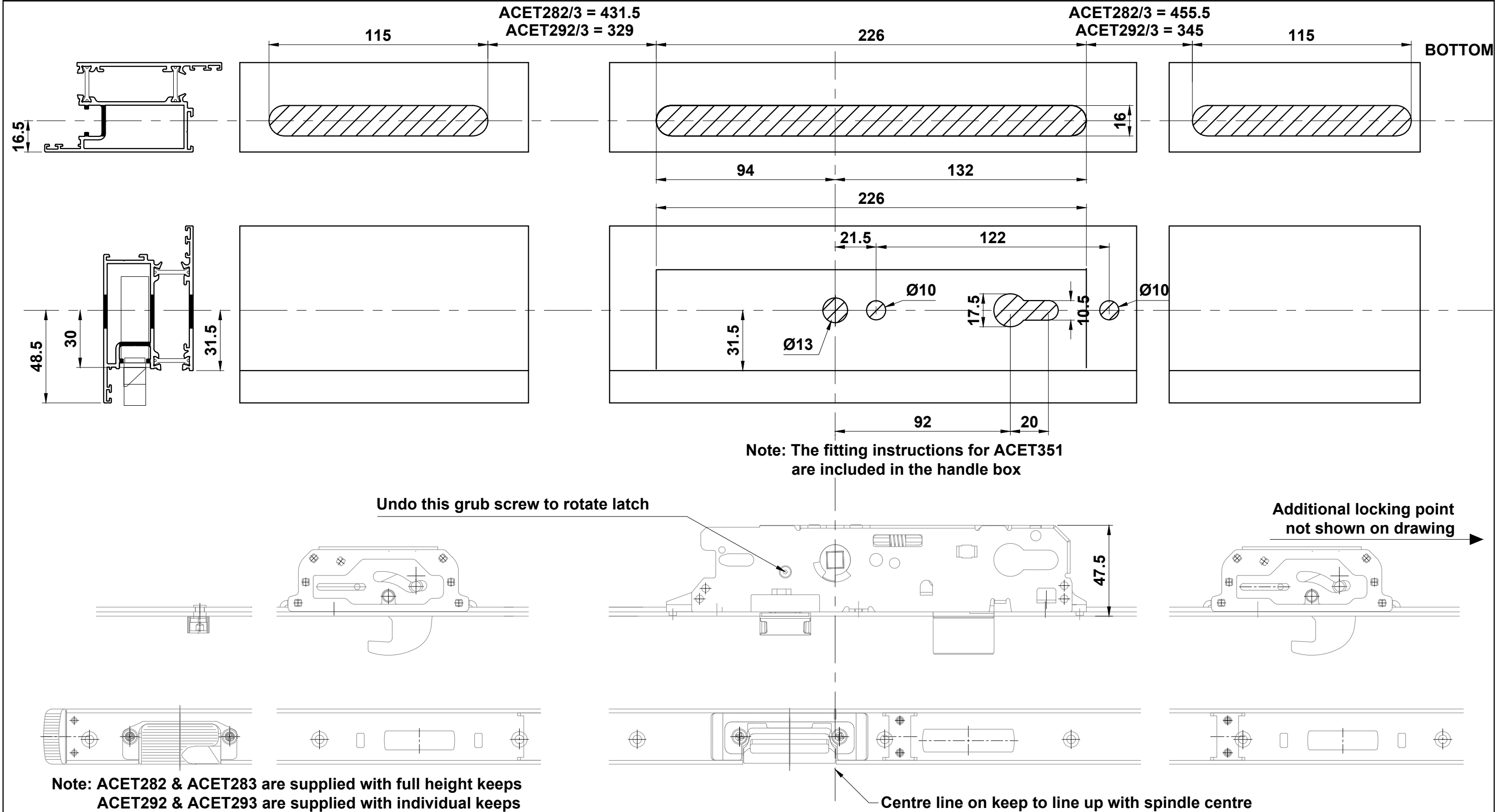
Note: ACDV742 & ACDV744 extensions may used with all locks



*Maximum sash height is 2500mm. Sizes shown here only indicate sizes with ACDV744.
**Minimum cut off positions are required to fit the shoot bolts.

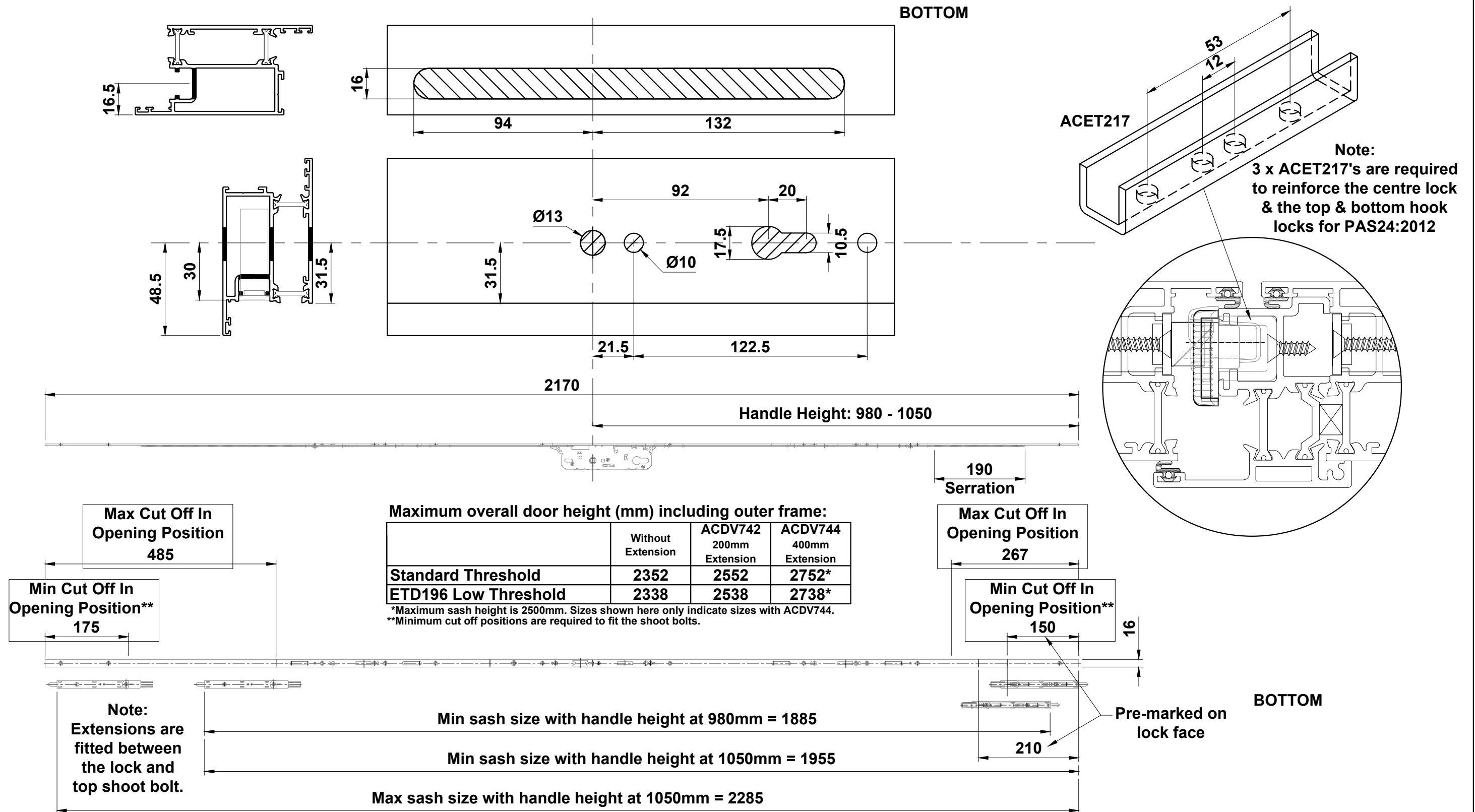
Do Not Scale From This Drawing

Primary Door Lock Fitting Details with ACDV251 or ACET351 Handle



Do Not Scale From This Drawing

Secondary Door Lock Fitting Details & Primary/Secondary Shootbolt Details



Do Not Scale From This Drawing

Lock Overview

ACET285 Secondary Door Lock Kit with Shoot Bolts & Keeps Non-Handed

Top Shoot Bolt

Secondary Door Lock

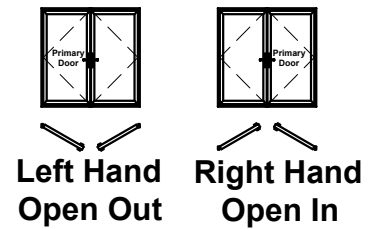
2 x Shoot
Bolt Keep

2 x Shoot
Bolt Keep
Base

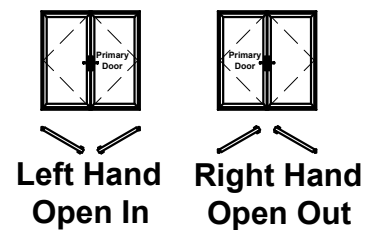
1 x Low
Threshold Shoot
Bolt Keep Base

Bottom Shoot Bolt

ACET292 Multi Point Lock Kit with LEFT HAND Full Height Keep Viewed Externally



ACET293 Multi Point Lock Kit with RIGHT HAND Full Height Keep Viewed Externally

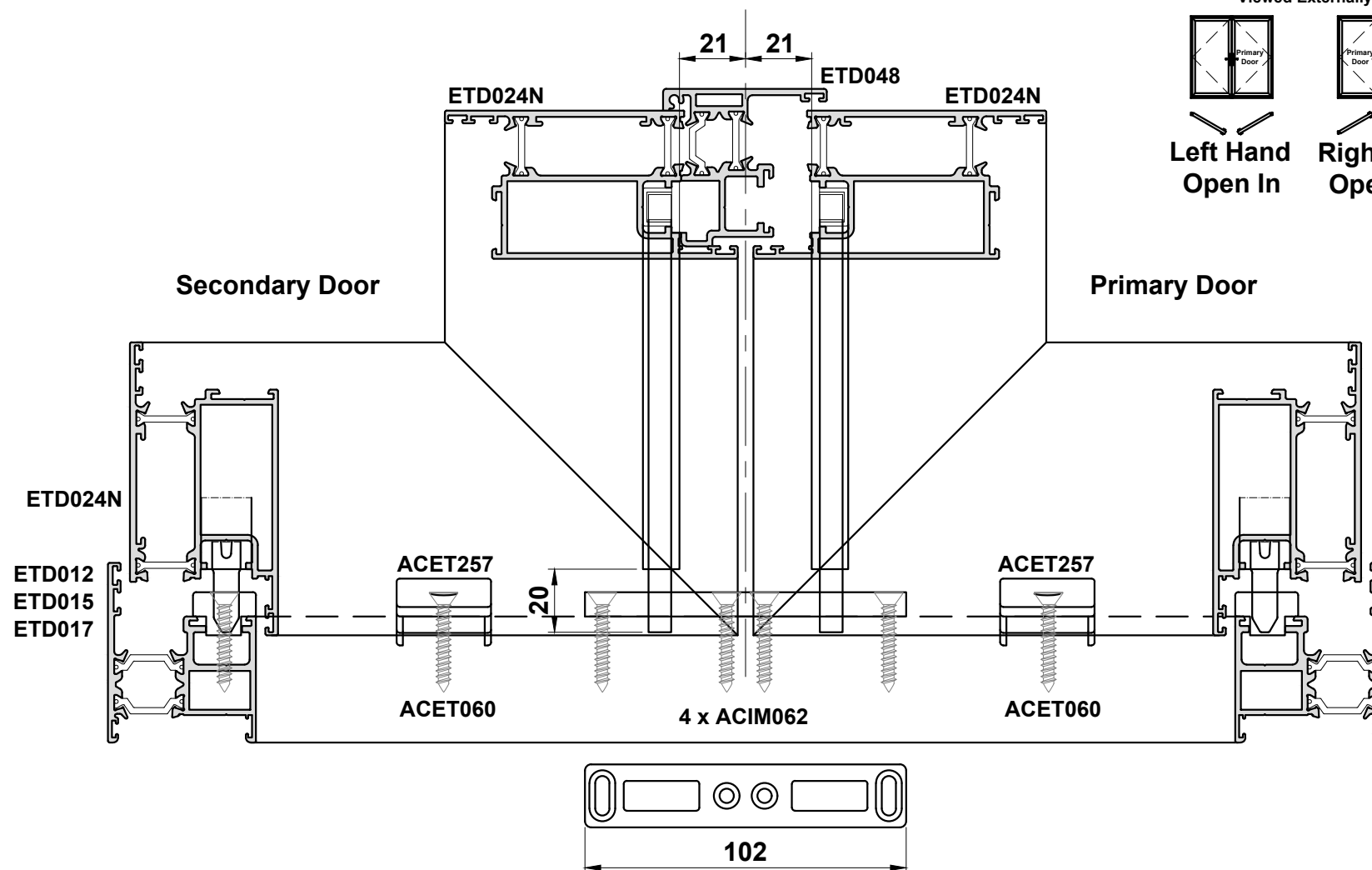


ACDV738 Top Shoot Bolt (sold separately)

Full Height Keep
(Included)

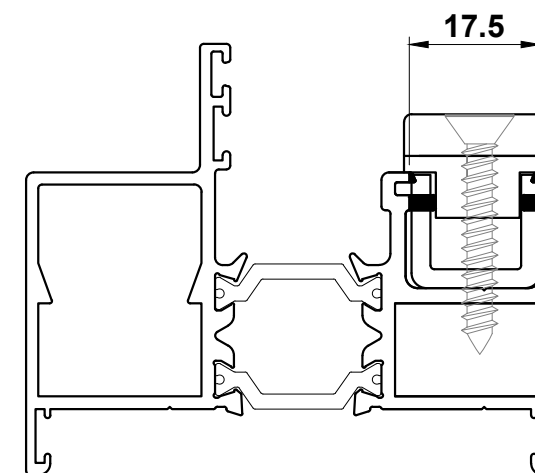
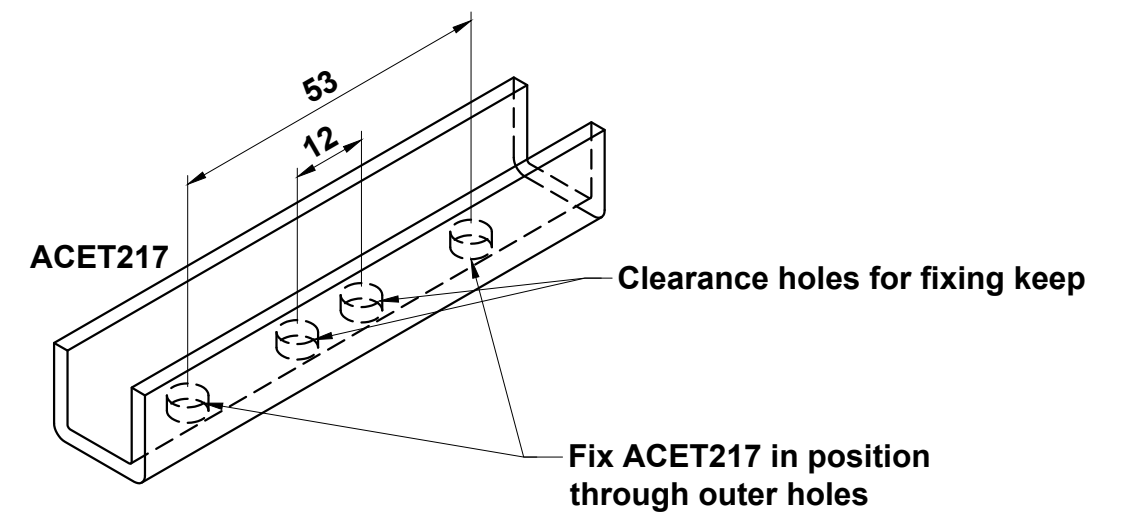
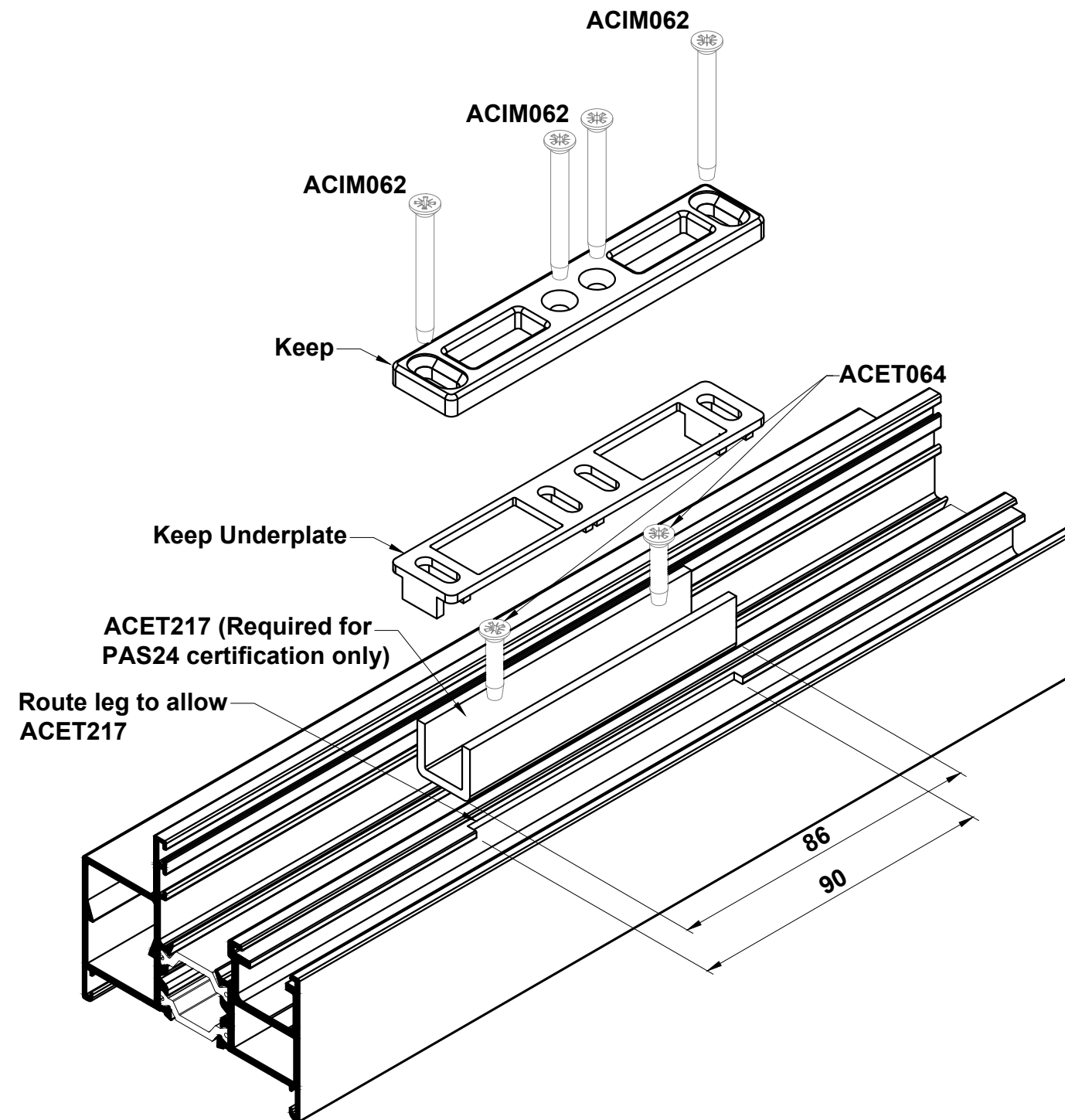
Primary
Door Lock

ACDV737 Bottom Shoot Bolt (sold separately)



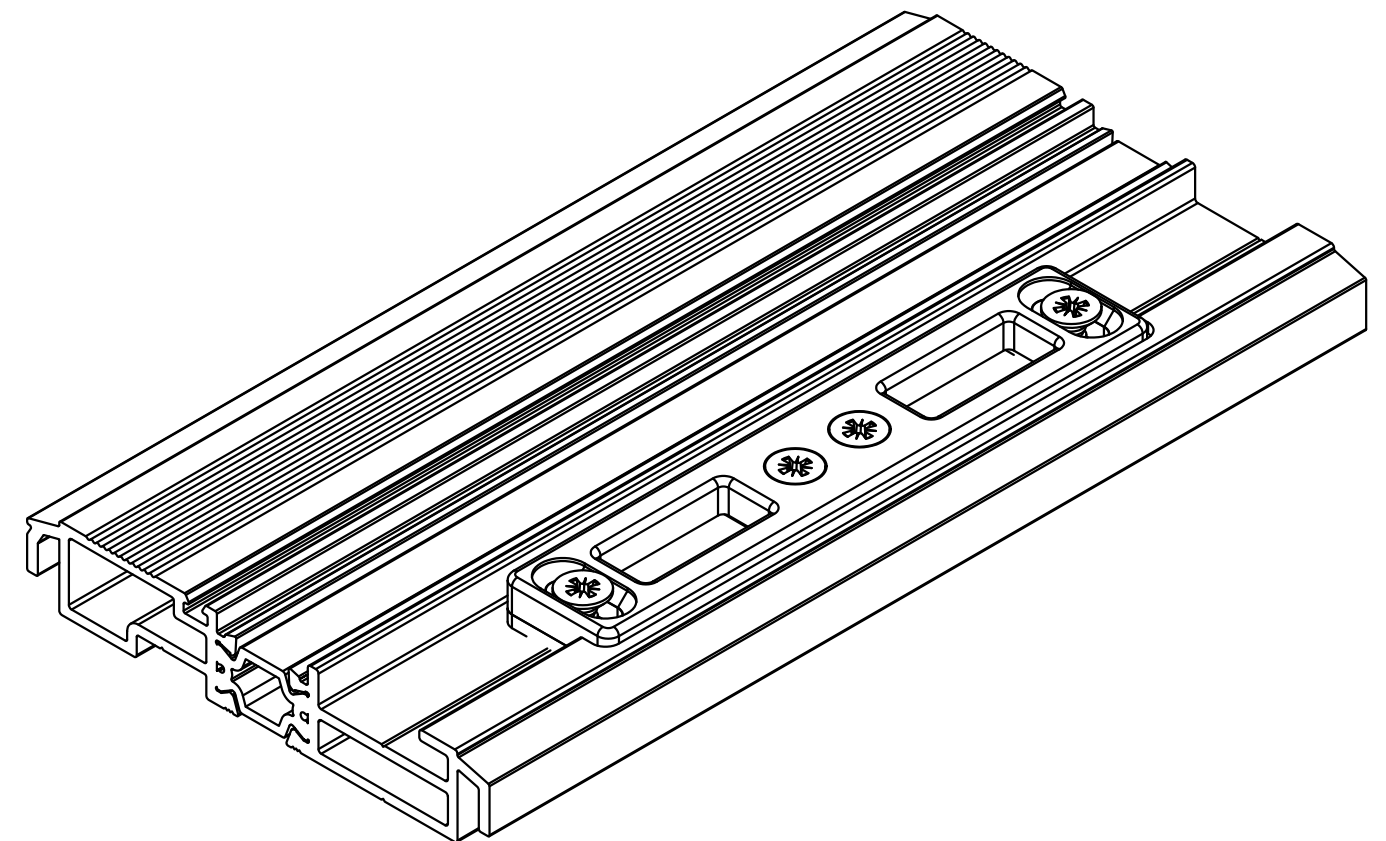
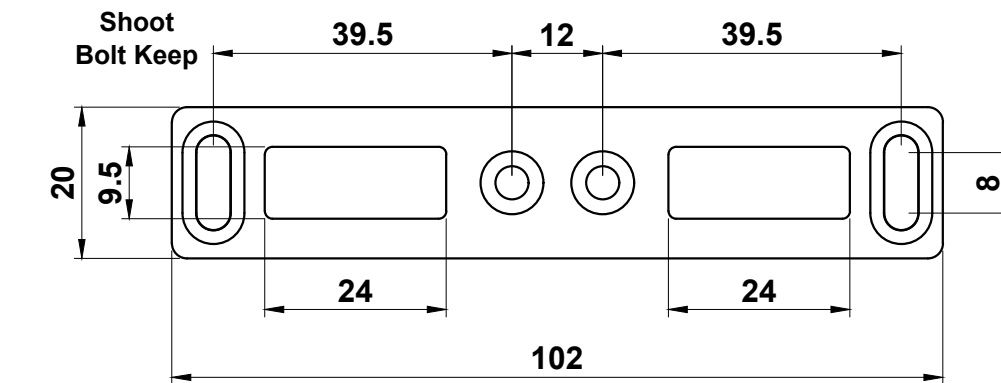
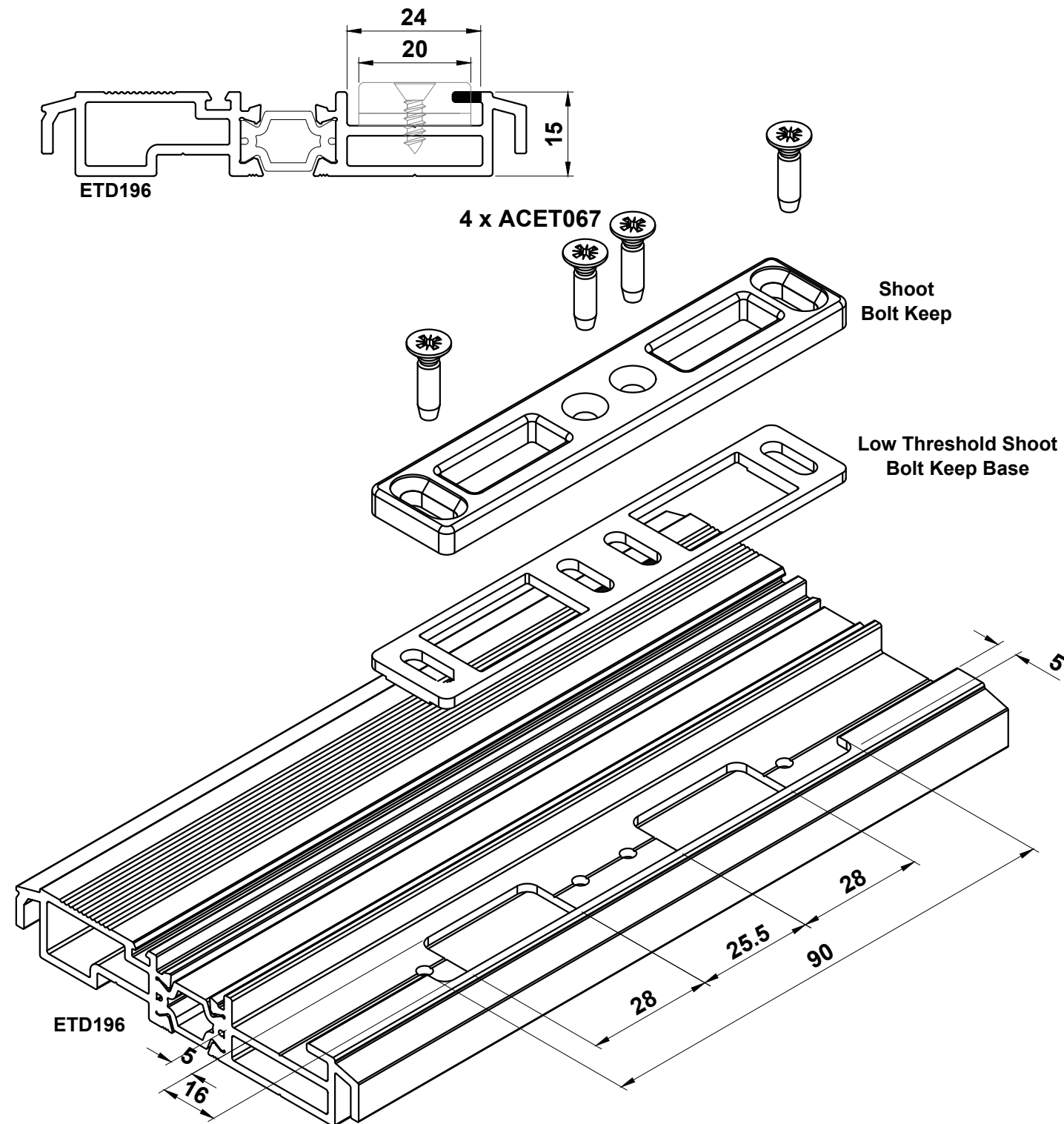
Do Not Scale From This Drawing

Shootbolt Keep Fitting Details in Standard Outer Frame



Do Not Scale From This Drawing

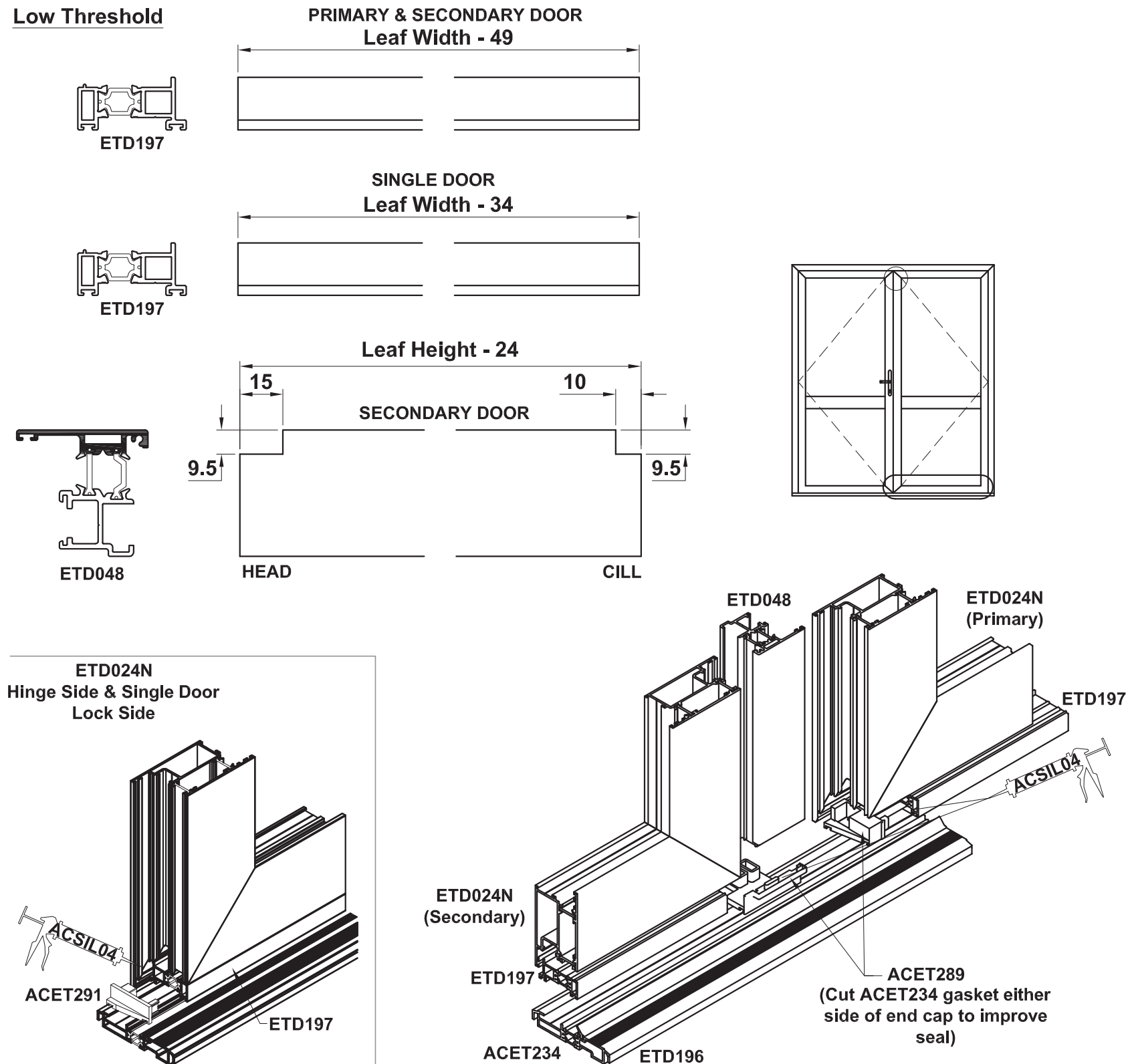
Shootbolt Keep Fitting Details in Low Threshold



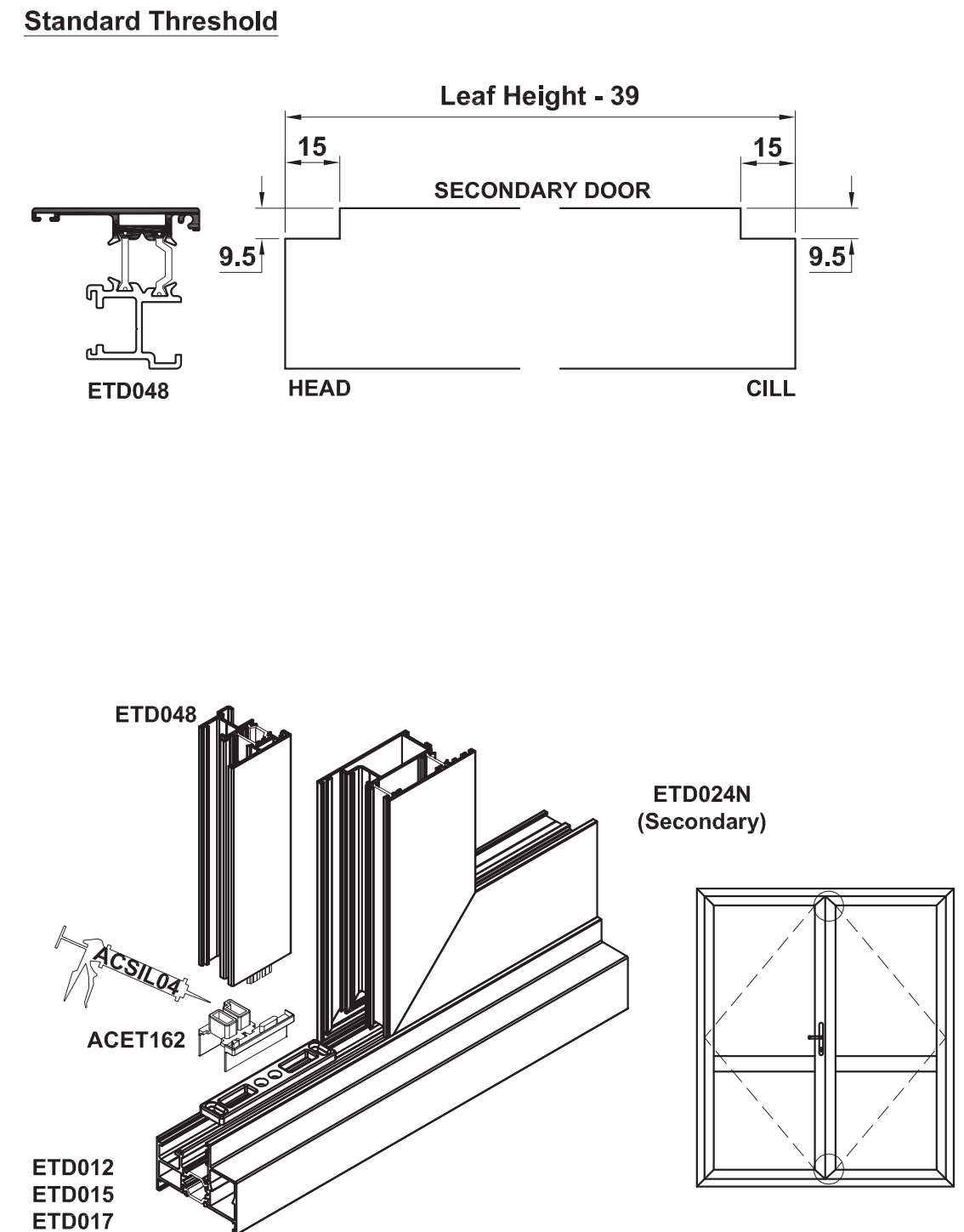
Do Not Scale From This Drawing

ETD048 & ETD197 Cutting & Notch Details

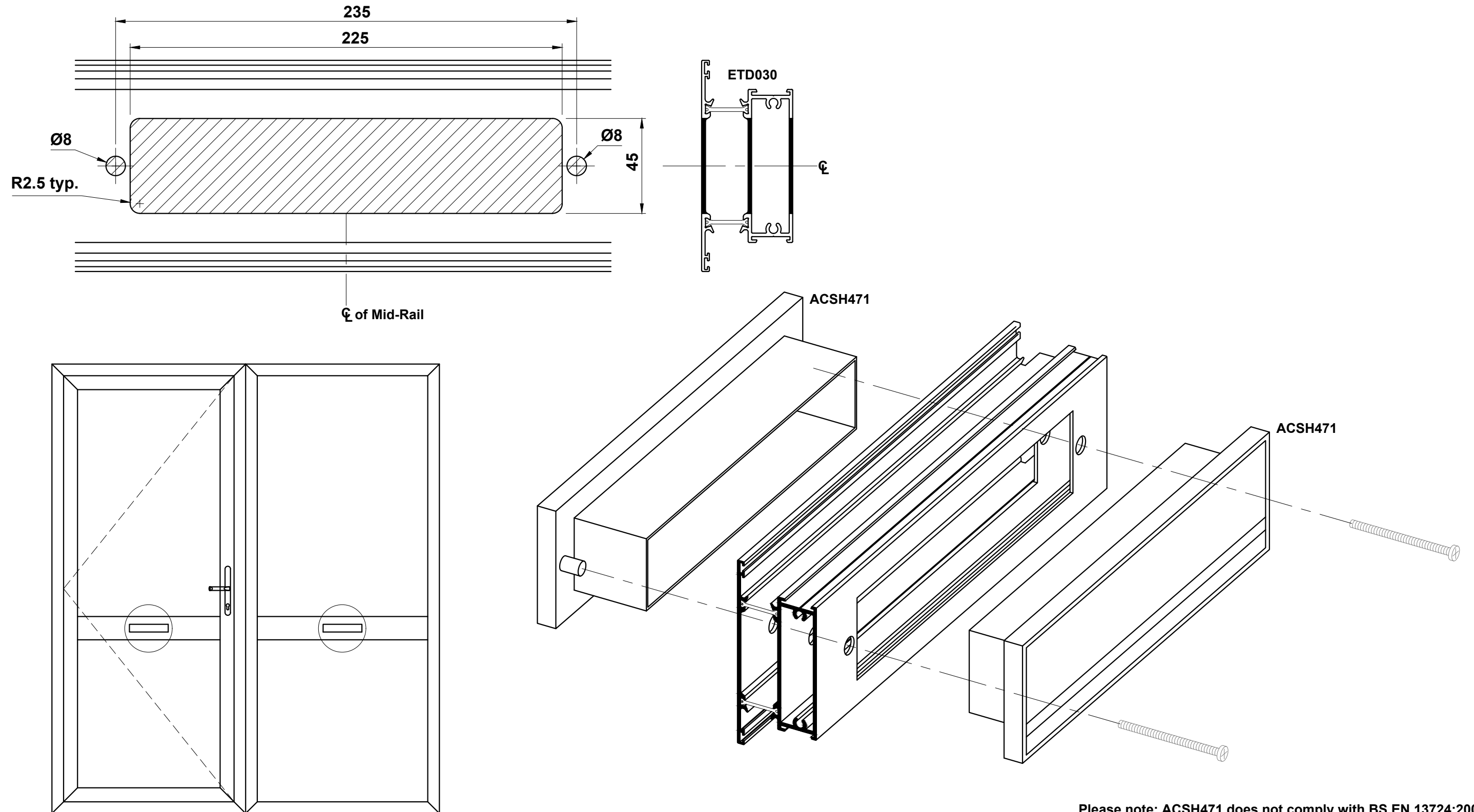
Low Threshold



Standard Threshold



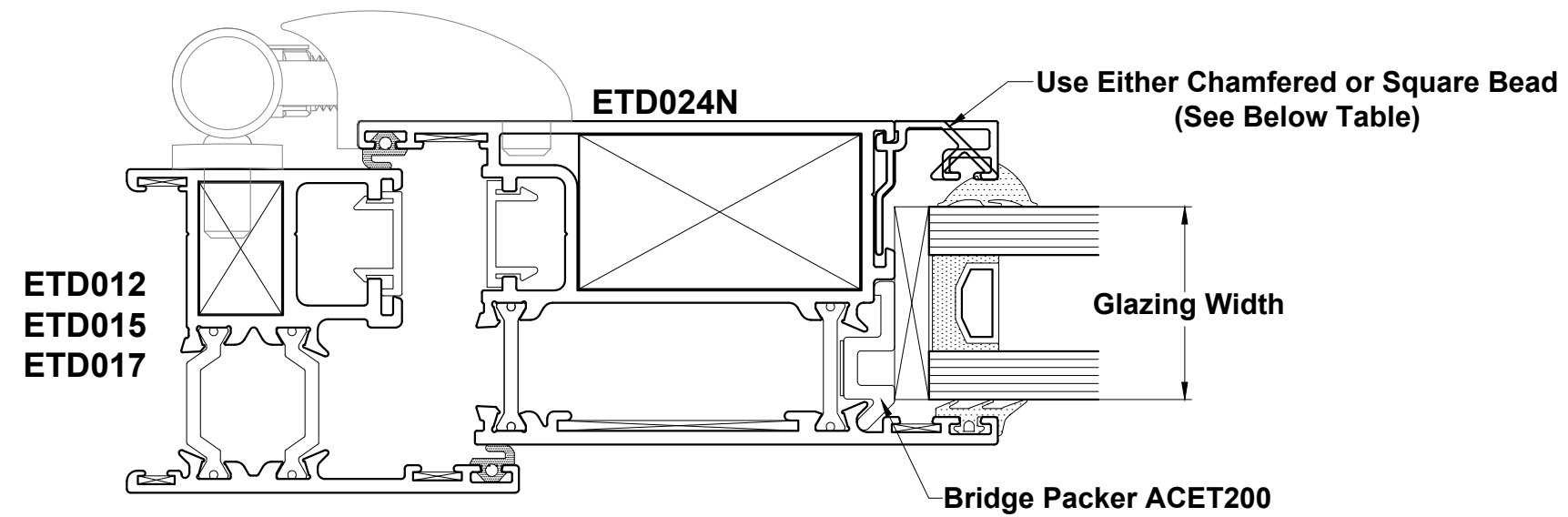
ACSH471 Letter Plate Fitting



Please note: ACSH471 does not comply with BS EN 13724:2002

Do Not Scale From This Drawing

Glazing Chart

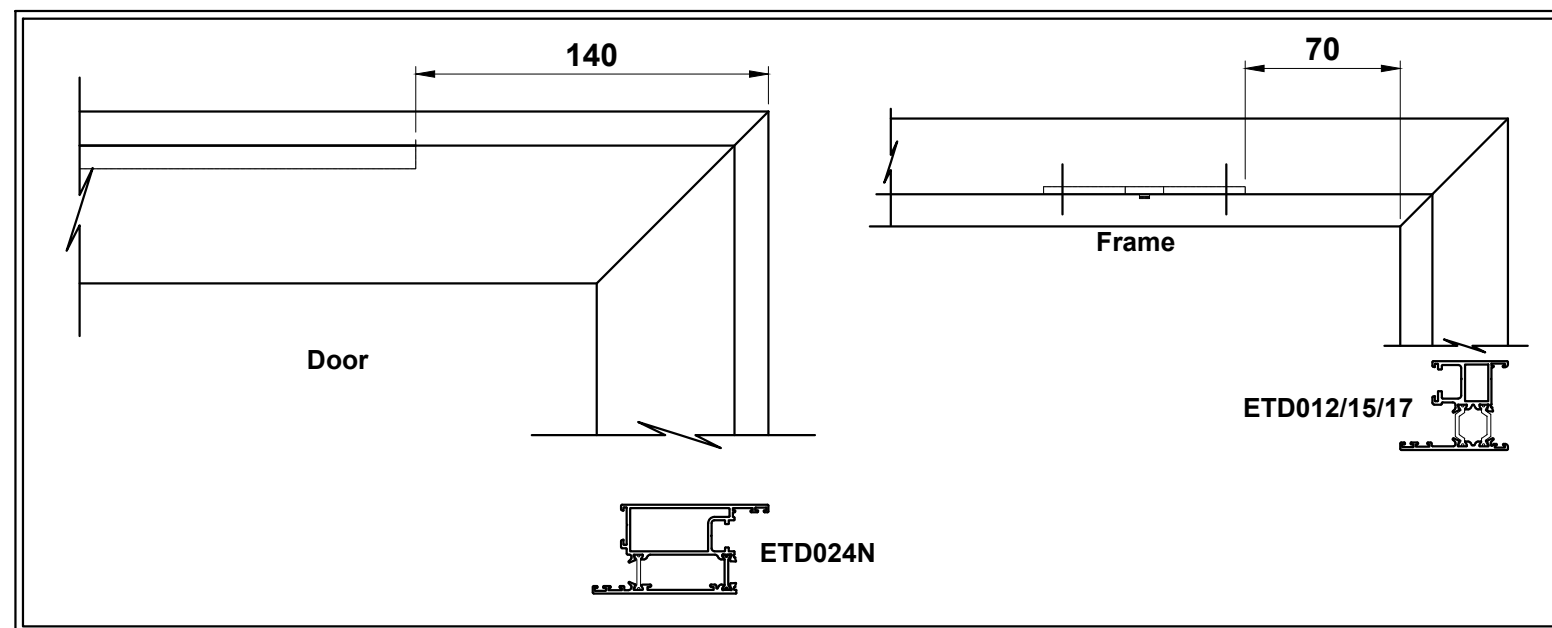


24mm		28mm		32mm	
Beads	Gaskets	Beads	Gaskets	Beads	Gaskets
ETC162 	ACVG31 ACVG34	ETC161 	ACVG31 ACVG34	ETC160 	ACVG31 ACVG34
ETC163 	ACVG31 ACVG34	ETC164 	ACVG31 ACVG34		

Do Not Scale From This Drawing

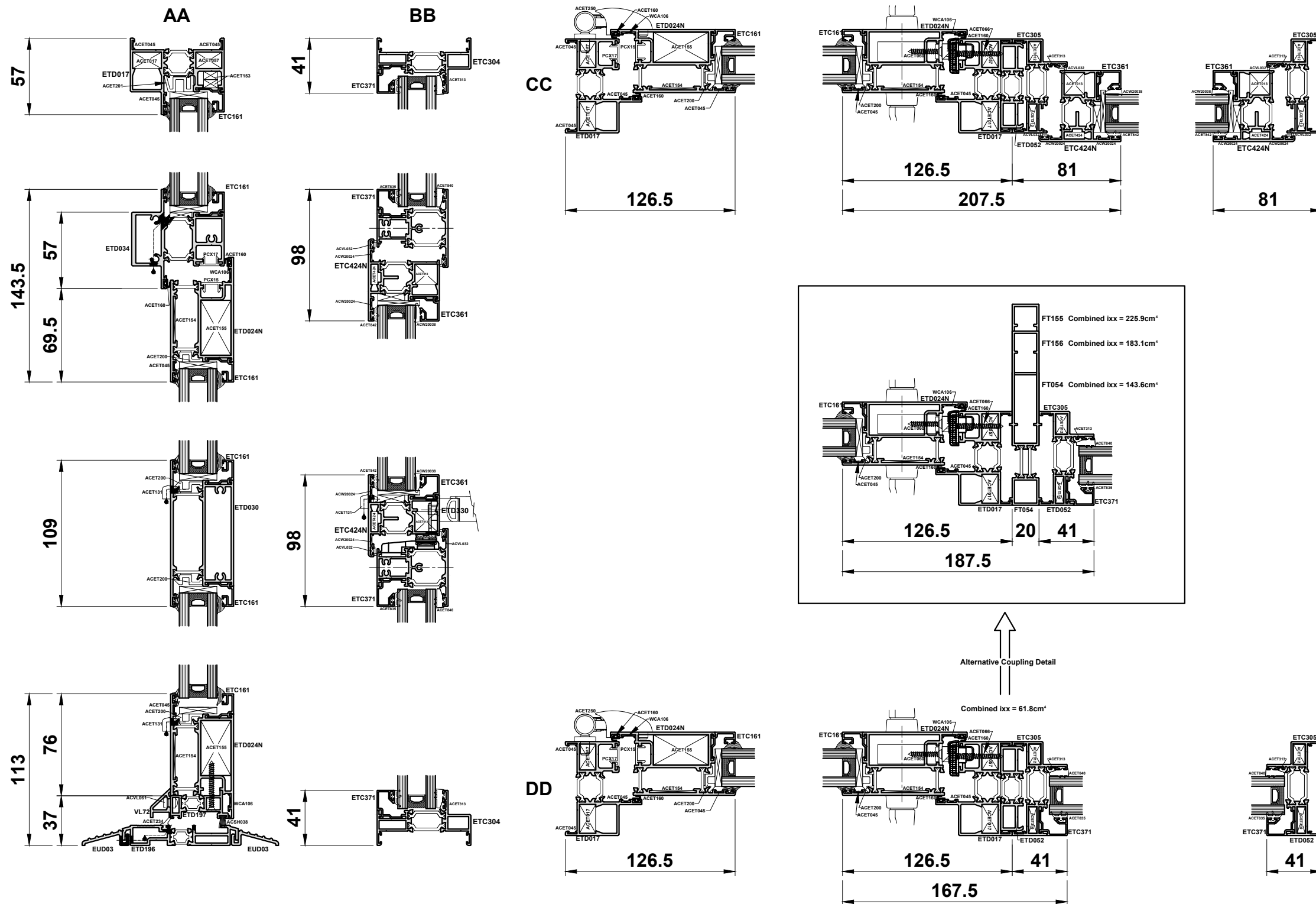
ACET149 Fitting Instructions

Ensure friction screw is loose
before fitting stay to door.
Adjust to required tension
once the stay is fixed in position.



Do Not Scale From This Drawing

Example Layout



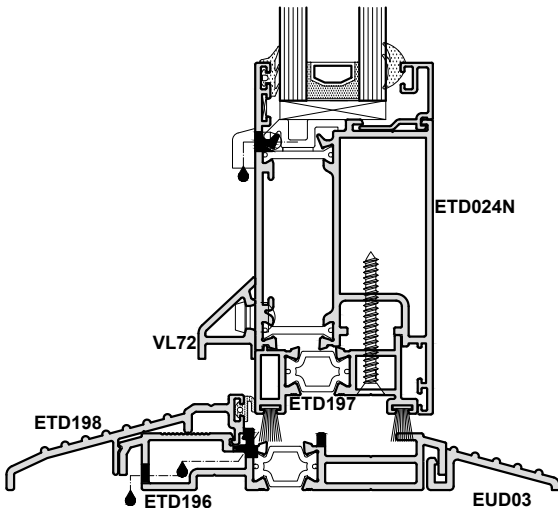
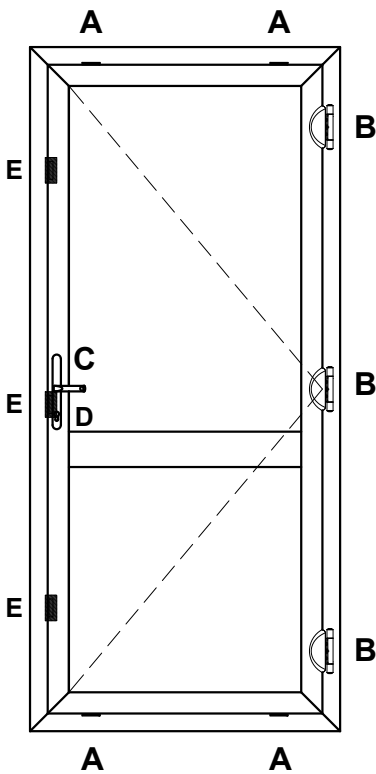
Do Not Scale From This Drawing

PAS24:2012 Details

Single Door

Accessories Required to
Achieve PAS24:2012

A	Guide Blocks	ACET257
B	Hinges	ACET250
C	Lever/Lever Handle	ACET351
D	45/30 Cylinder	ACCY4530S1
E	Keep Reinforcement	ACET217



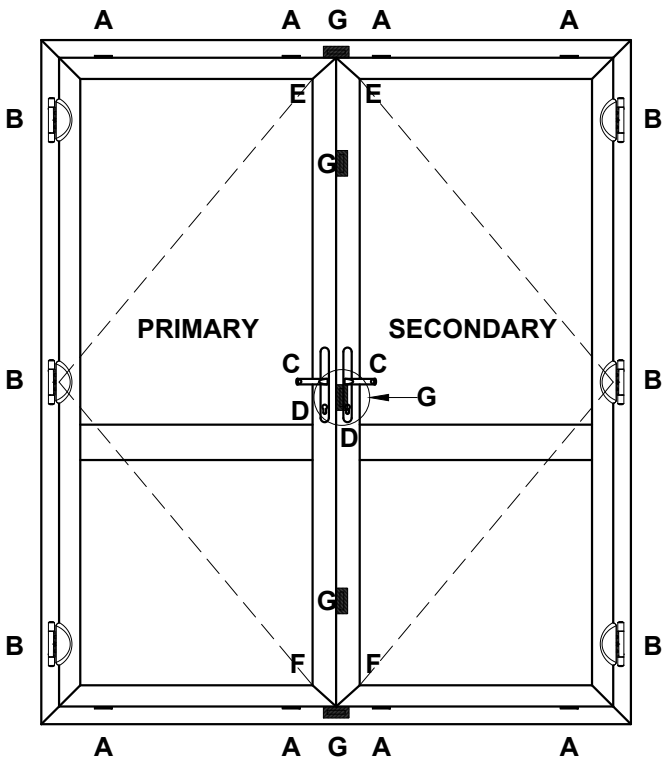
Note: To comply with PAS24:2012 &
KM530838, ETD198 must be used with ETD196

Double Door

Accessories Required to
Achieve PAS24:2012

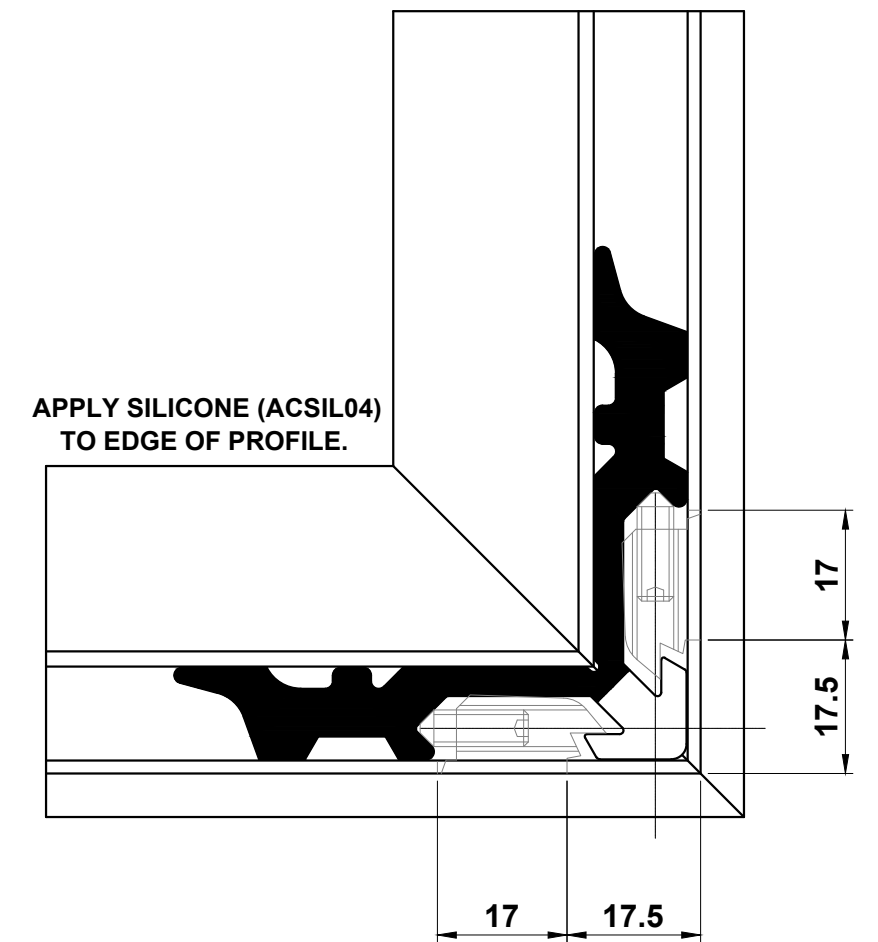
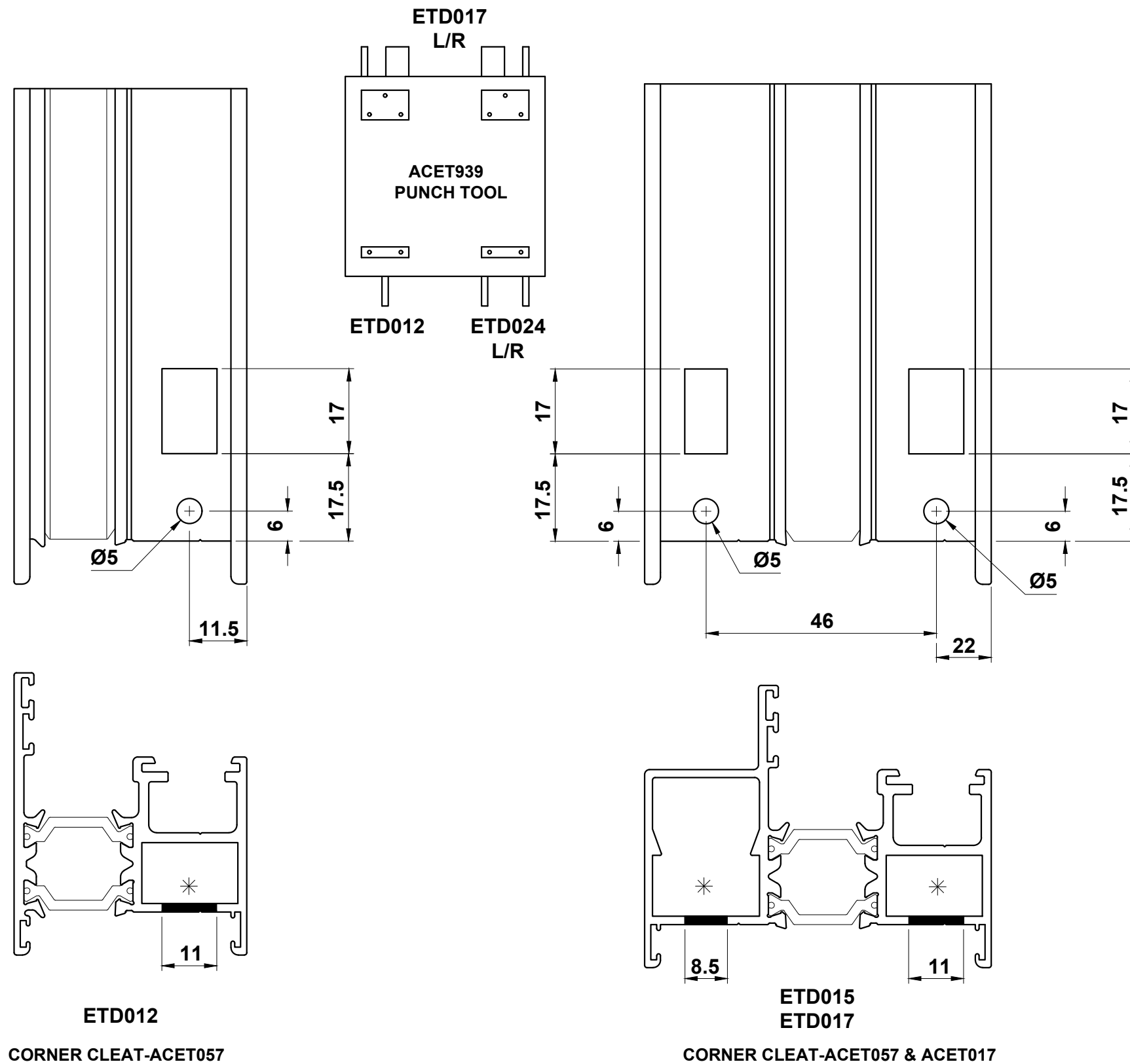
A	Guide Blocks	ACET257
B	Hinges	ACET250
C	Lever/Lever Handle	ACET351
D	45/30 Cylinder	ACCY4530S1
E	Top Shootbolt	ACDV738*
F	Bottom Shootbolt	ACDV737*
G	Keep Reinforcement	ACET217

* ACDV737 & ACDV738 shoot bolts are
supplied for the secondary door with ACET285



Do Not Scale From This Drawing

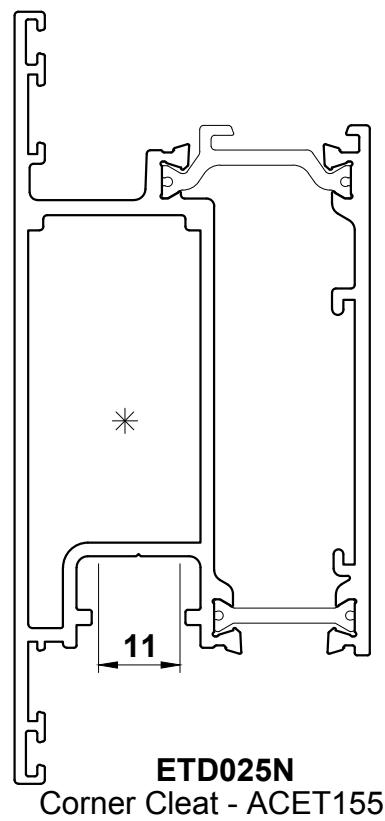
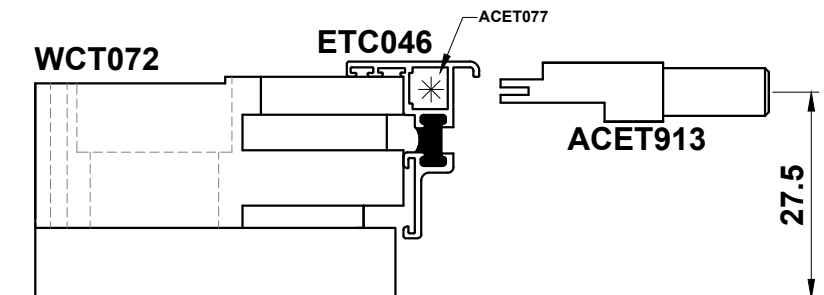
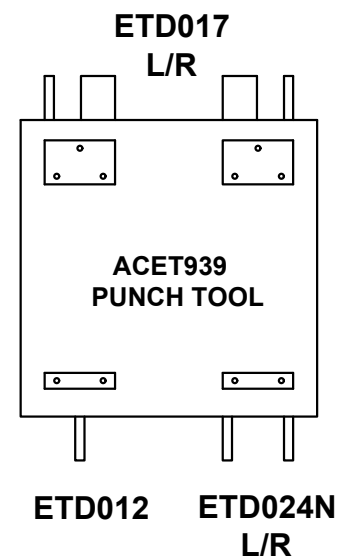
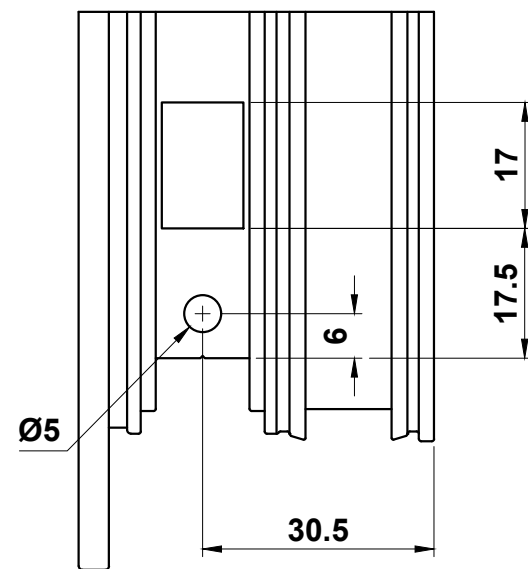
Outer Frame Corner Joint Details



APPLY GLUE (ACSIL013) TO CLEAT APERTURE MARKED *

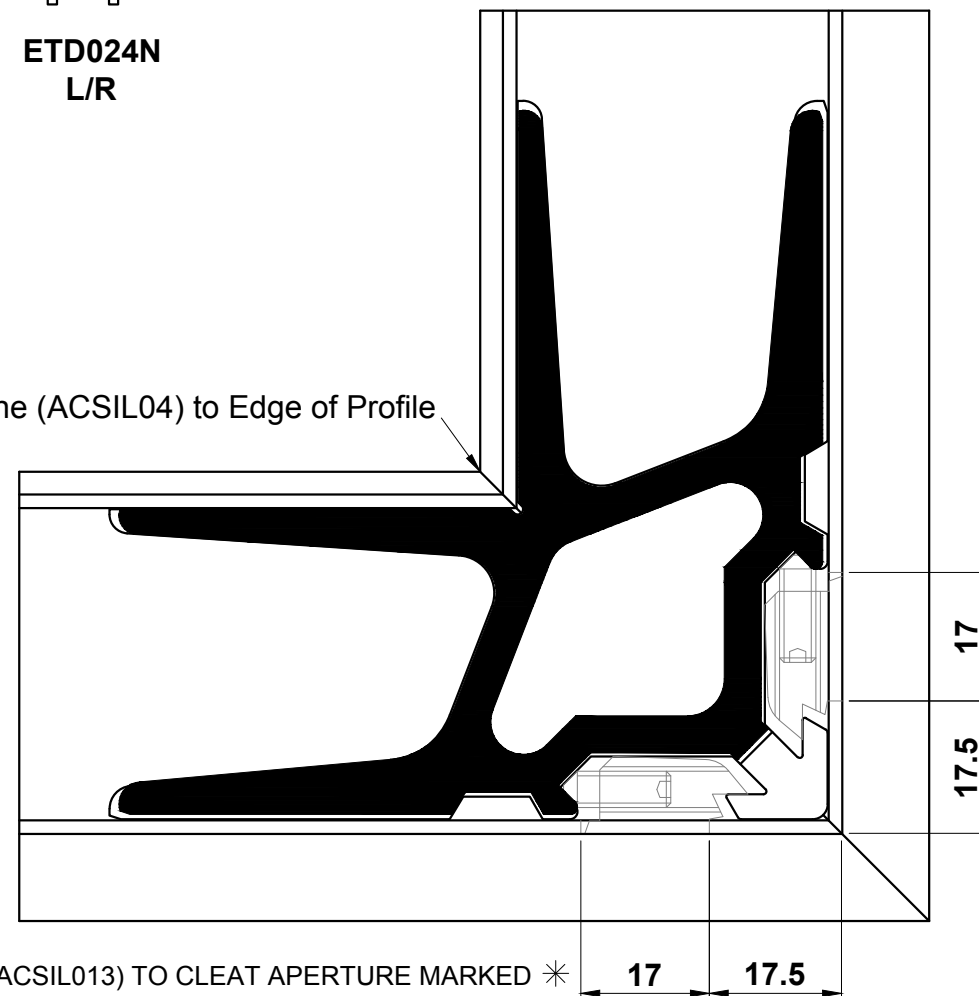
Do Not Scale From This Drawing

ETD025N & ETC046 Joint Details



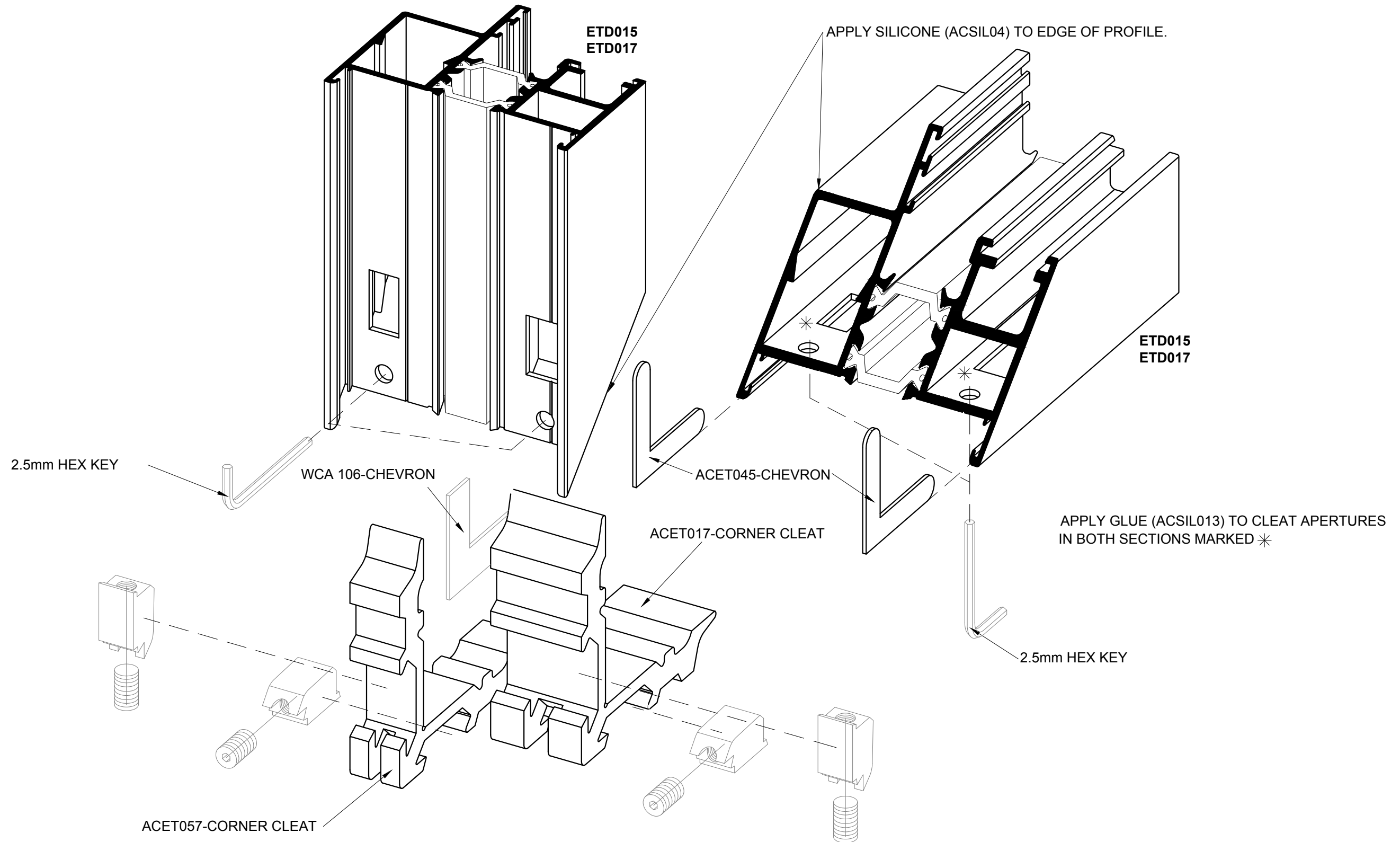
Apply Silicone (ACSIL04) to Edge of Profile

APPLY GLUE (ACSIL013) TO CLEAT APERTURE MARKED *



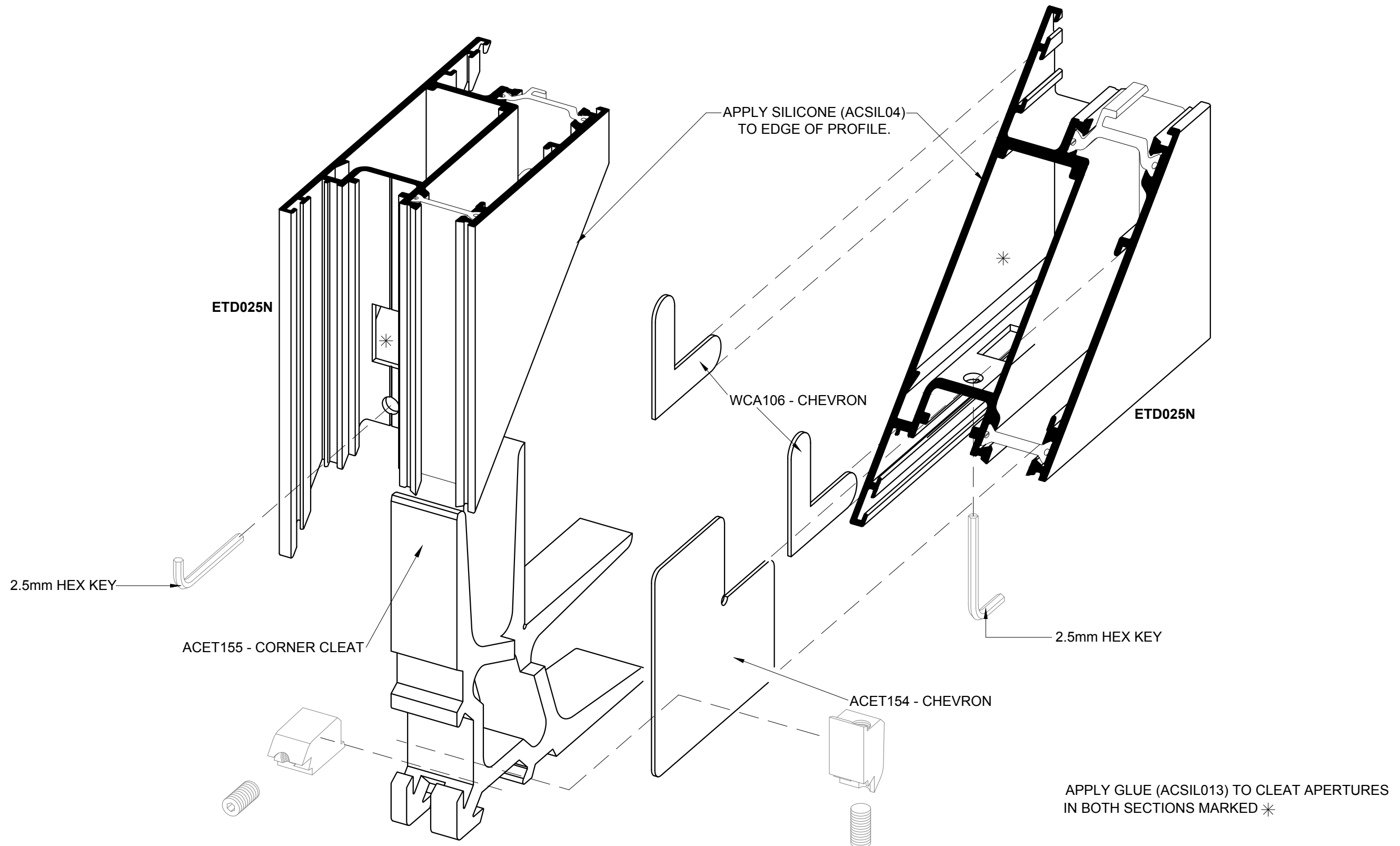
Do Not Scale From This Drawing

Outer Frame Corner Assembly



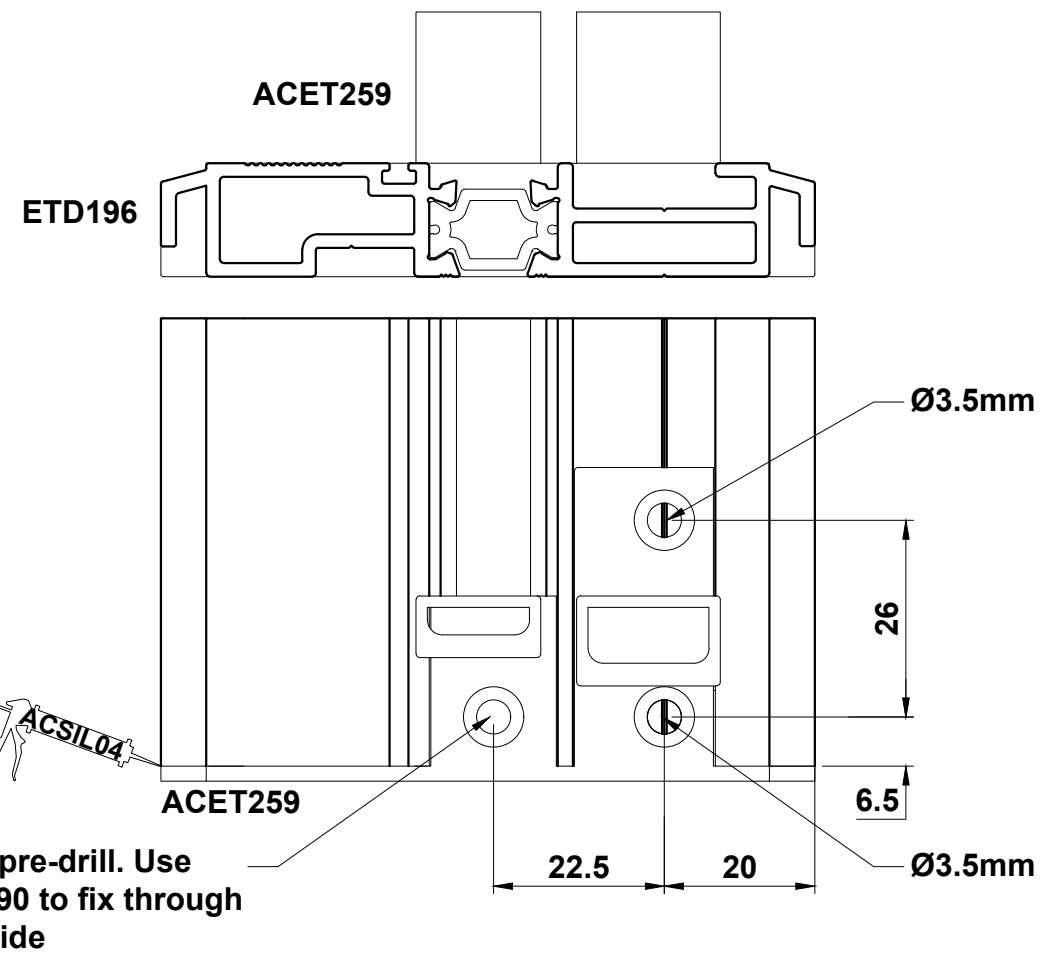
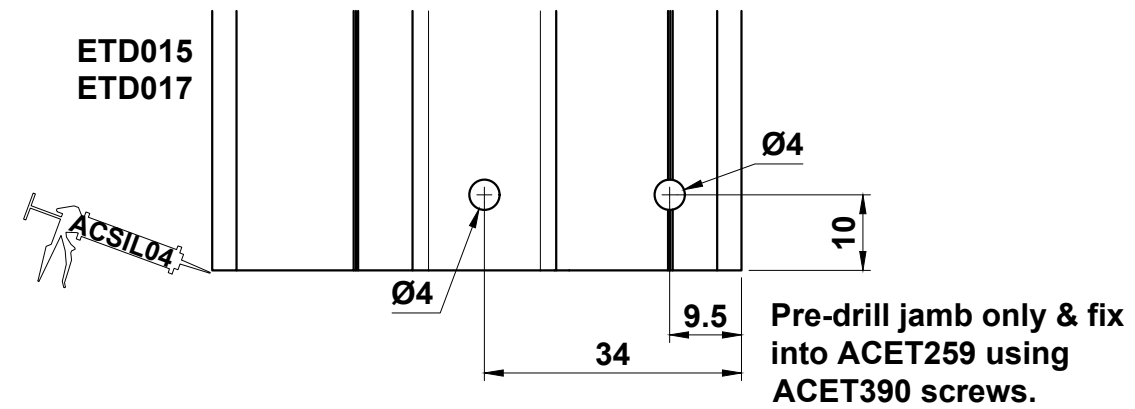
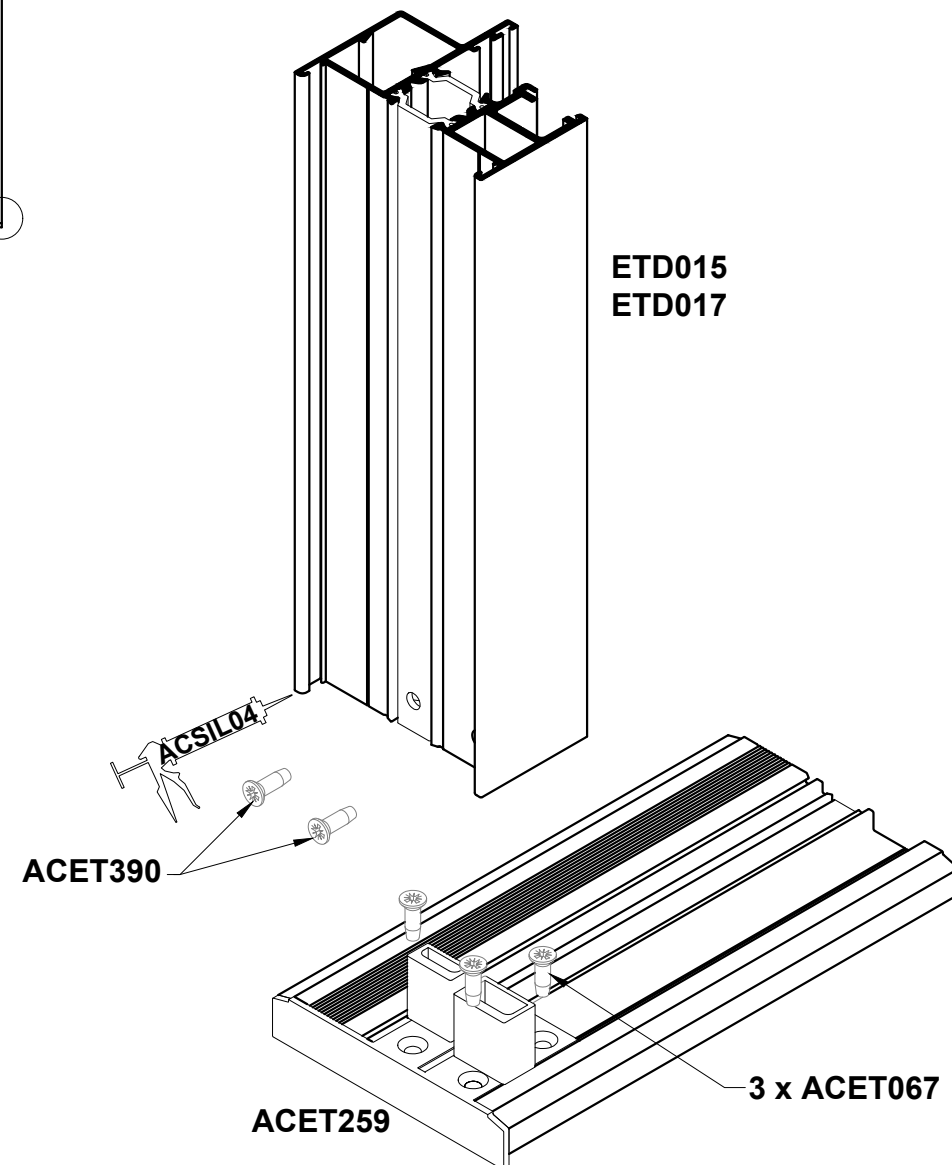
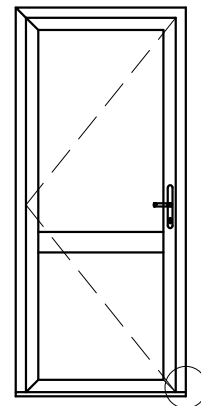
Do Not Scale From This Drawing

Sash Corner Assembly

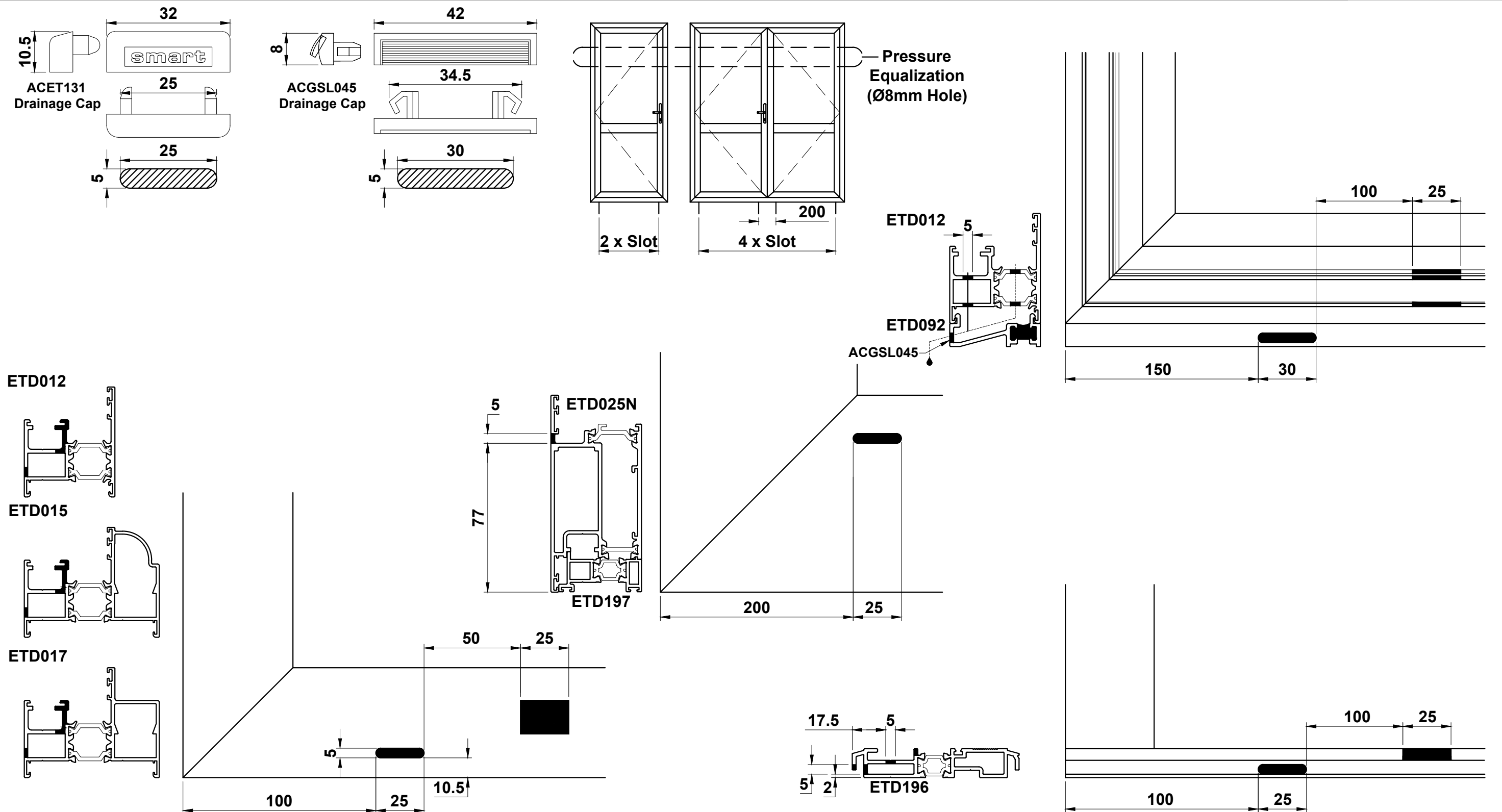


Do Not Scale From This Drawing

Low Threshold Preparation & Assembly

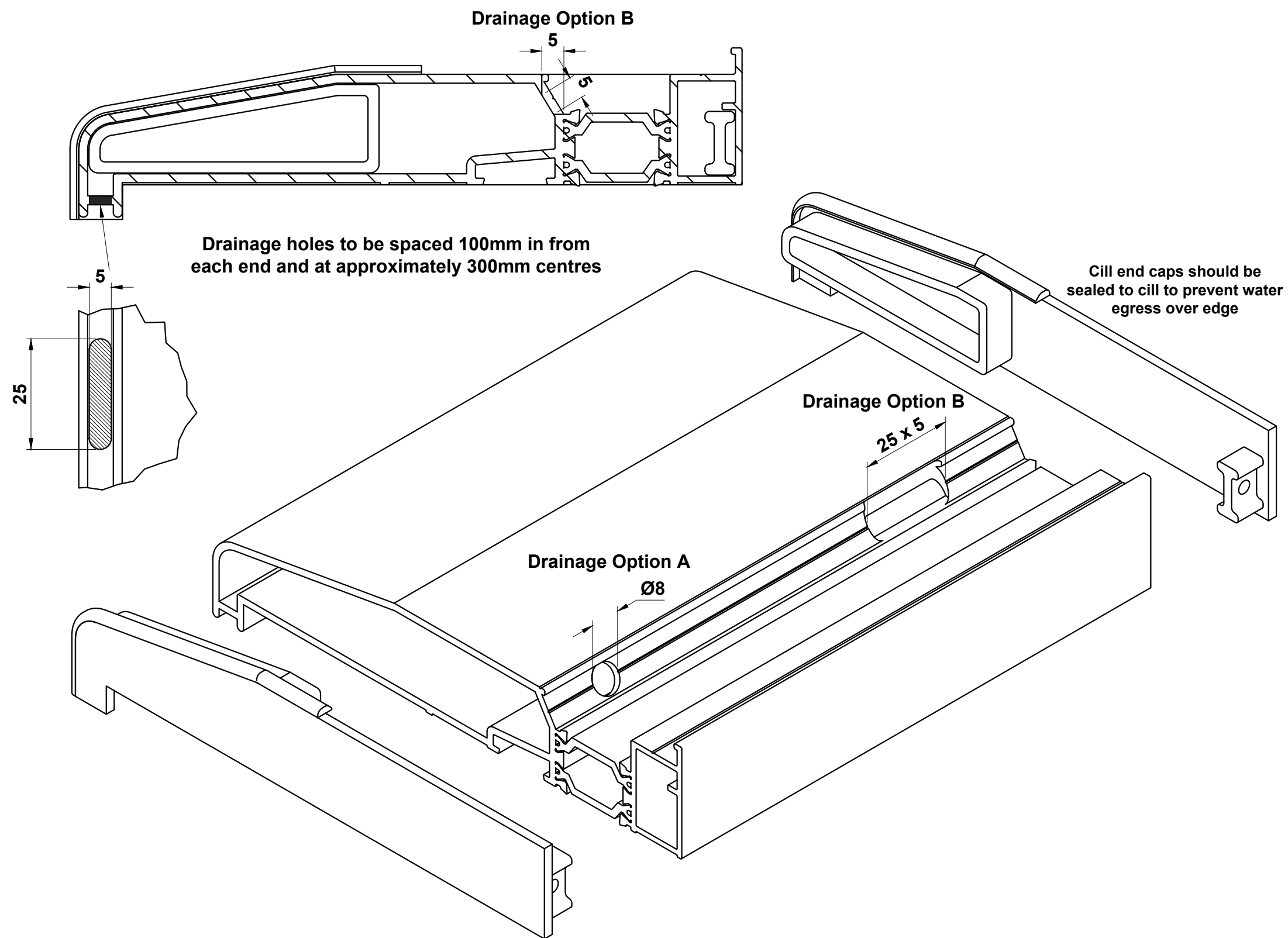


Do Not Scale From This Drawing



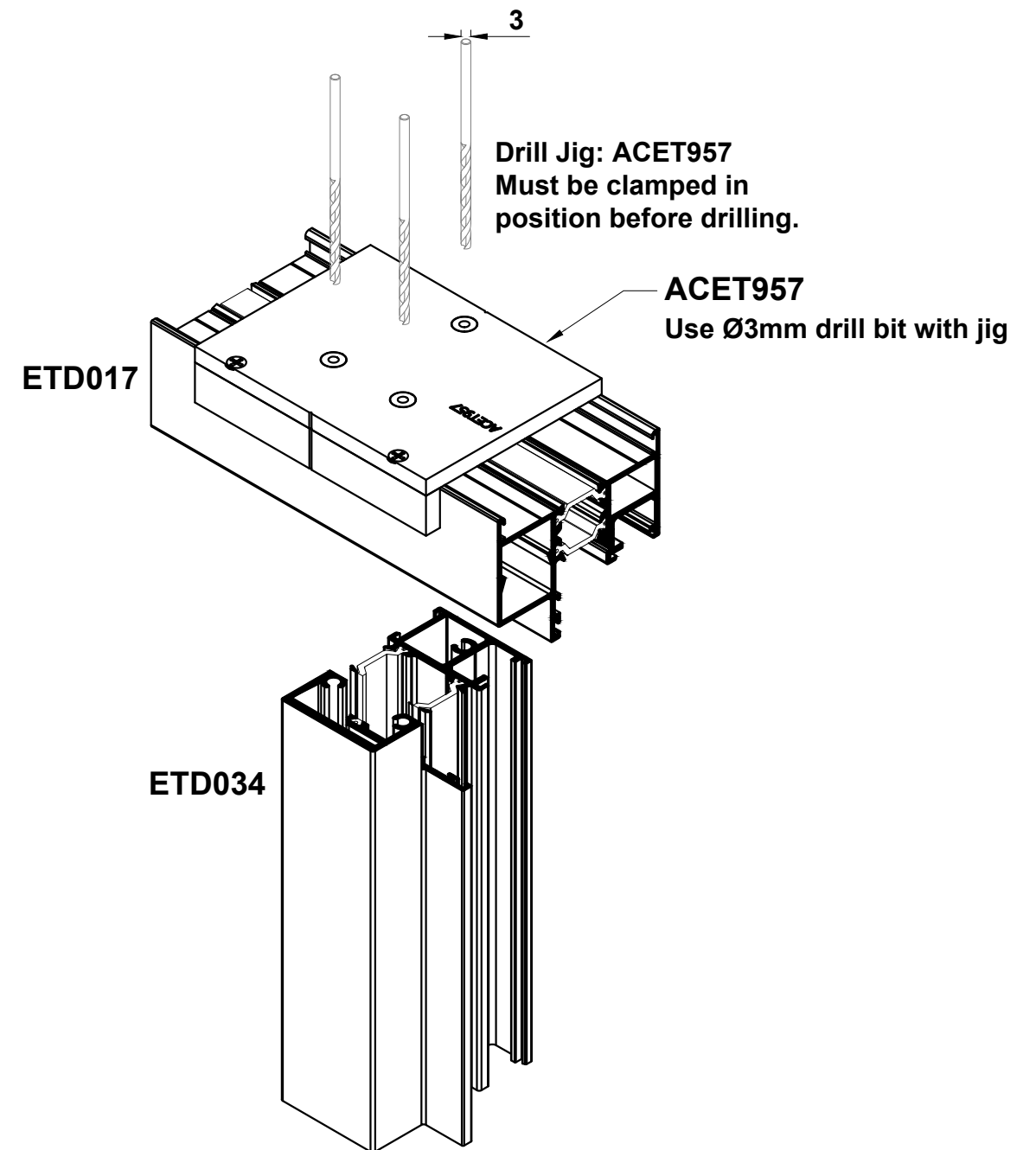
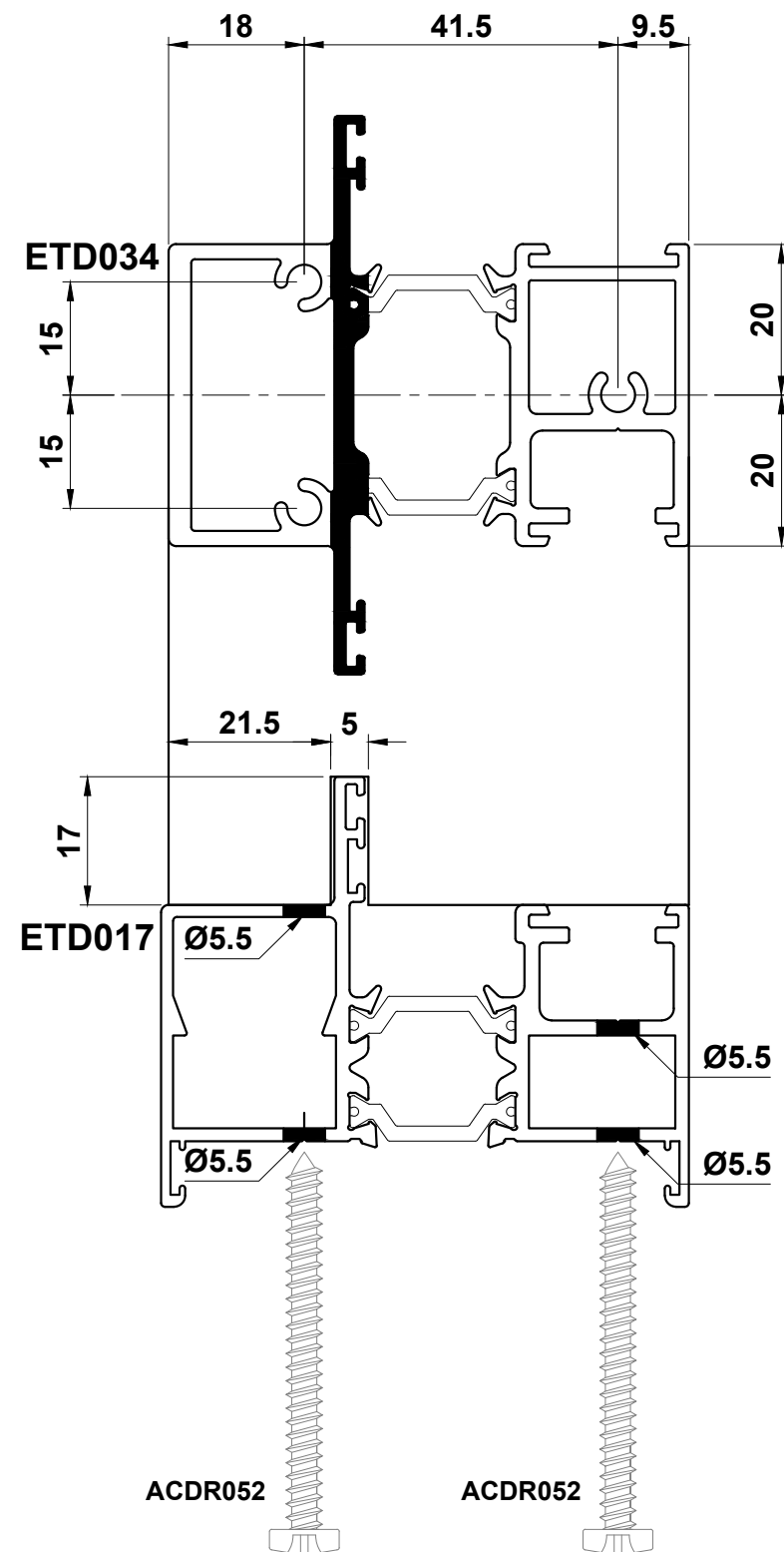
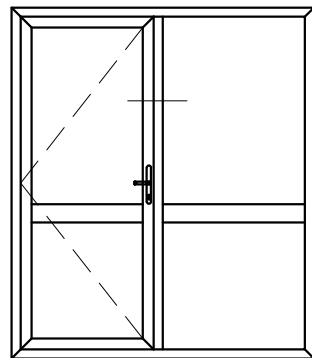
Do Not Scale From This Drawing

Cill Drainage Details



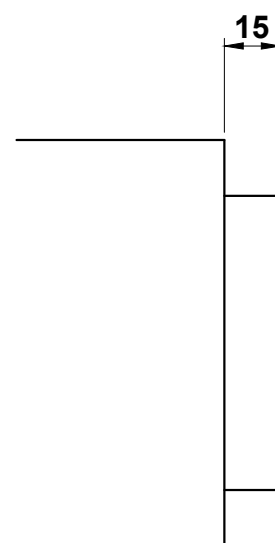
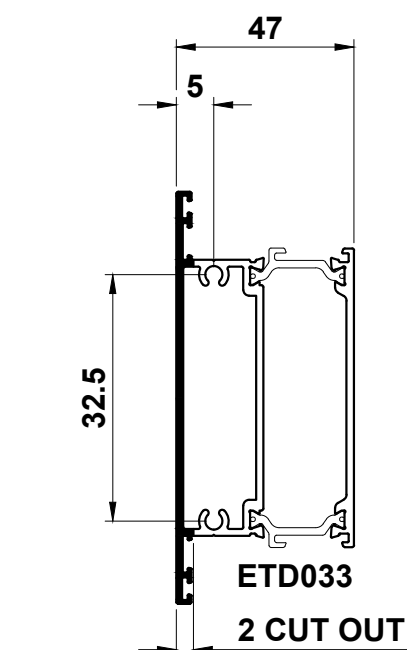
Do Not Scale From This Drawing

Mullion Preparation



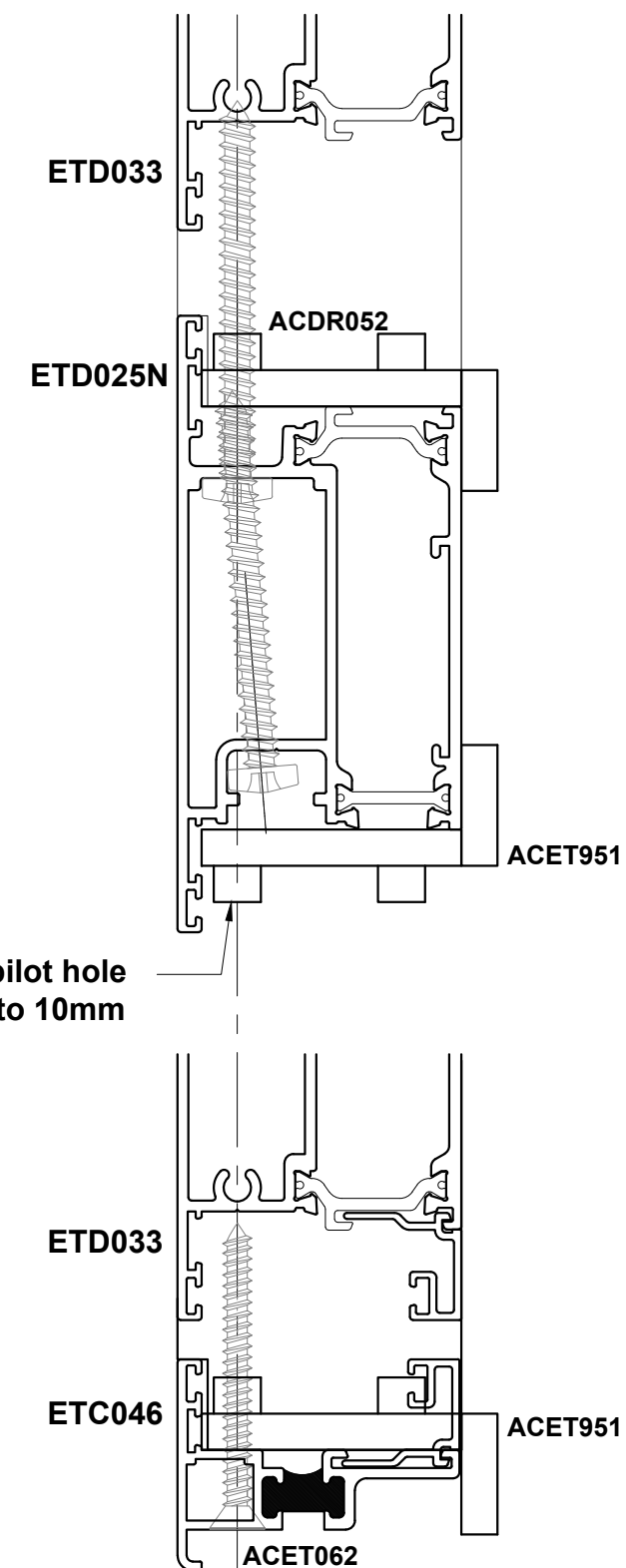
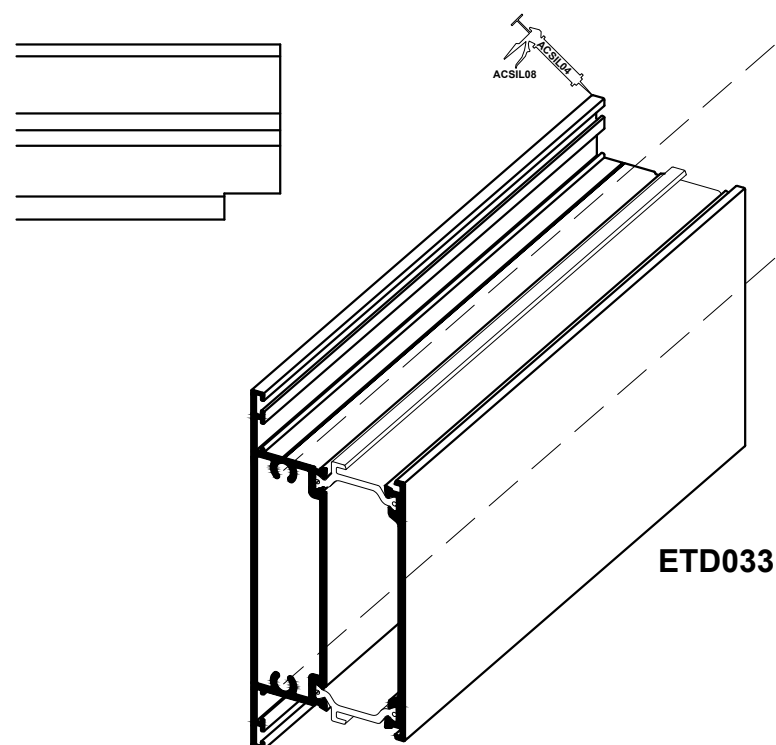
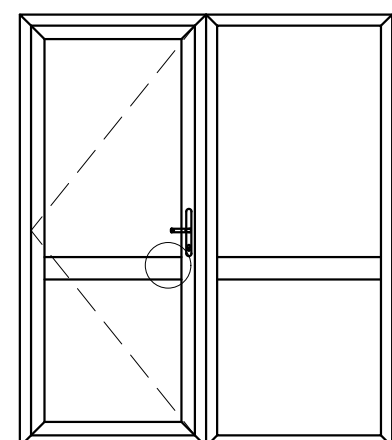
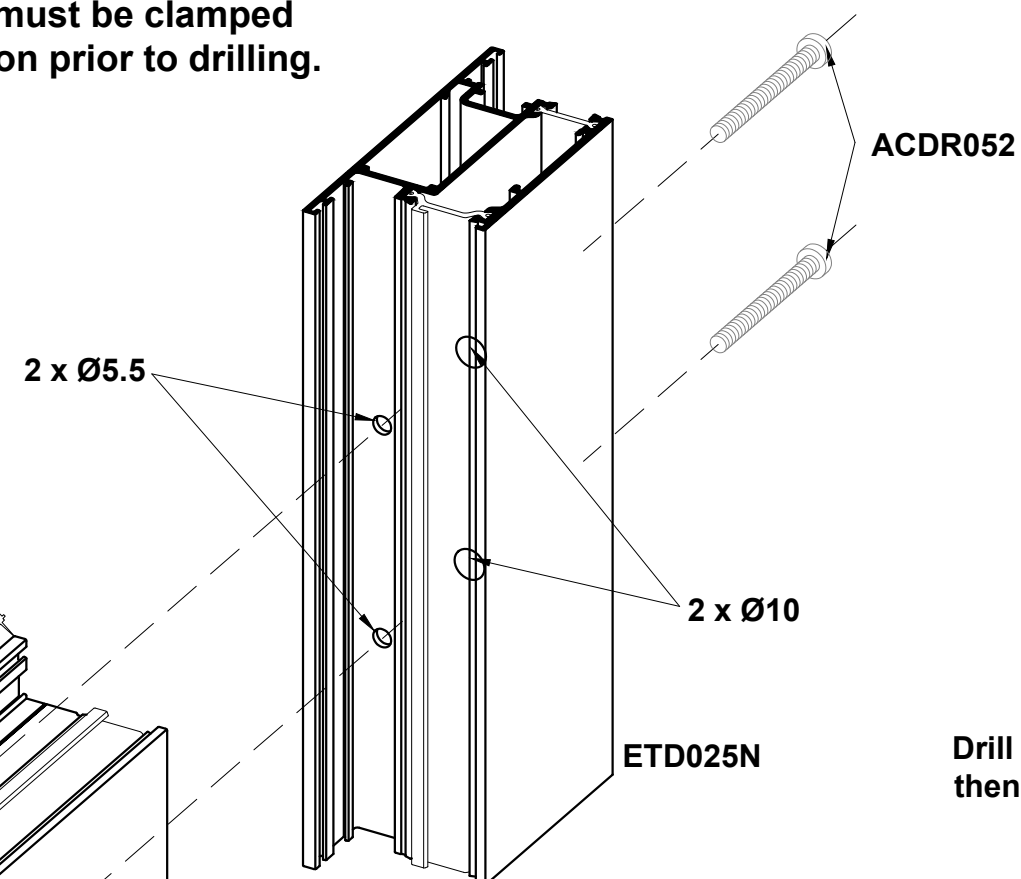
Do Not Scale From This Drawing

Mid Rail Preparation into Sash



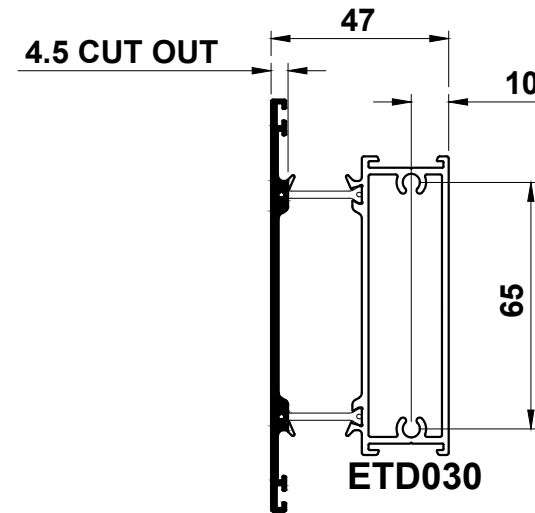
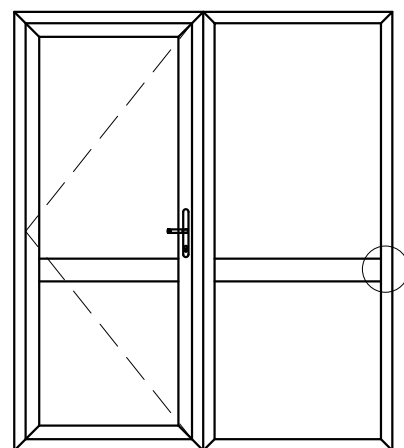
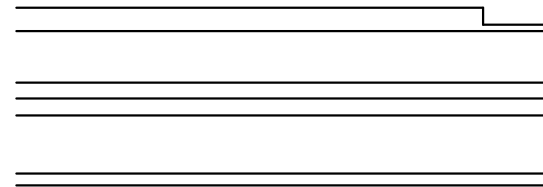
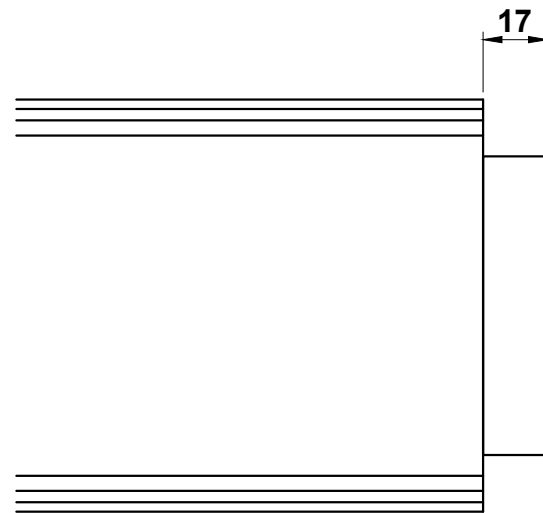
Use recommended drill jig: ACET951

Important Note:
ACET951 must be clamped
into position prior to drilling.



Do Not Scale From This Drawing

Mid Rail Preparation into Outer Frame



Use recommended drill jig: ACET951

Important Note:

ACET951 must be clamped into position prior to drilling.



2 x Ø5.5

ACDR052

2 x Ø5.5

ETD012
ETD015
ETD017

ETD030

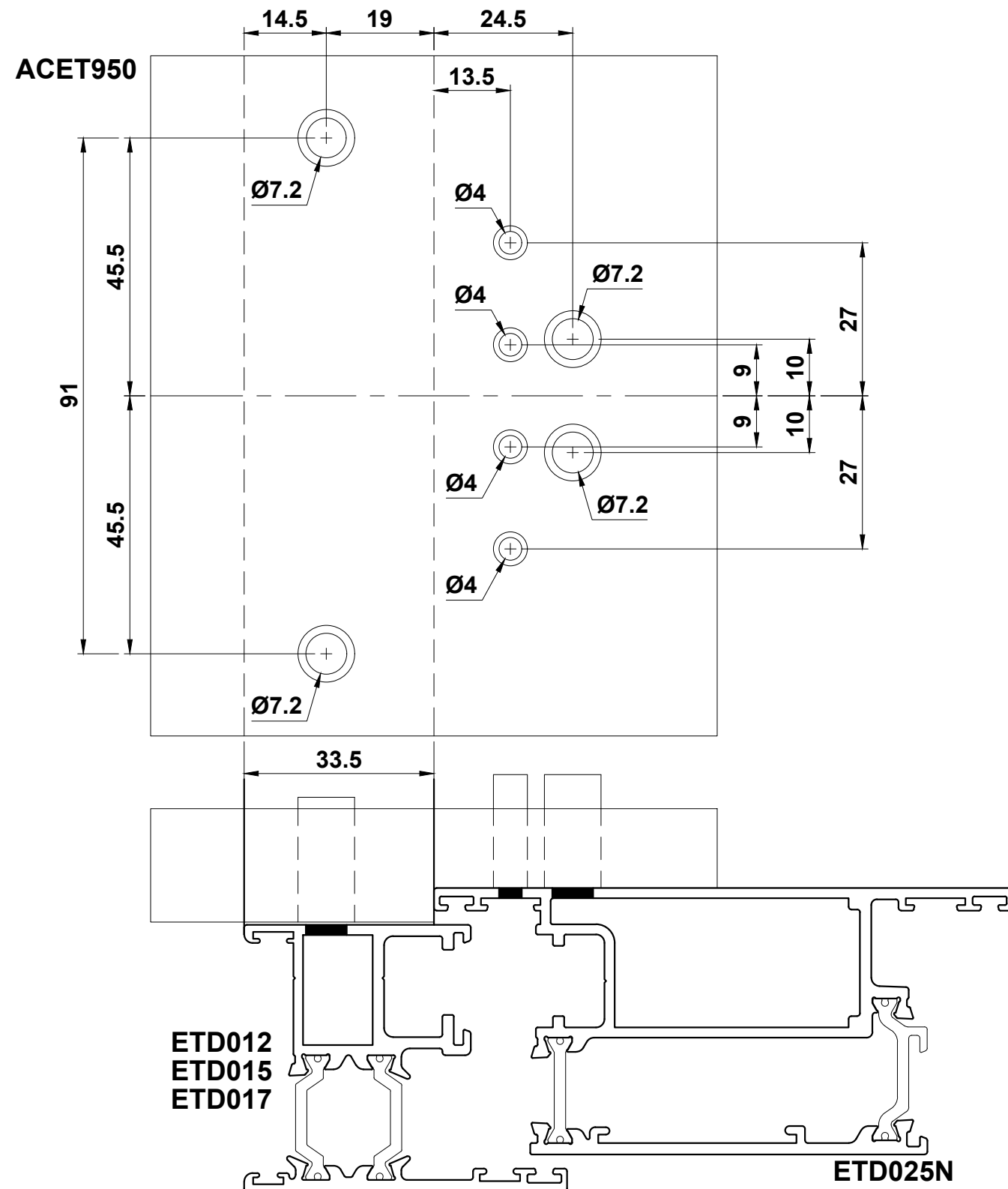
ETD012
ETD015
ETD017

ACET951

ACDR052

Do Not Scale From This Drawing

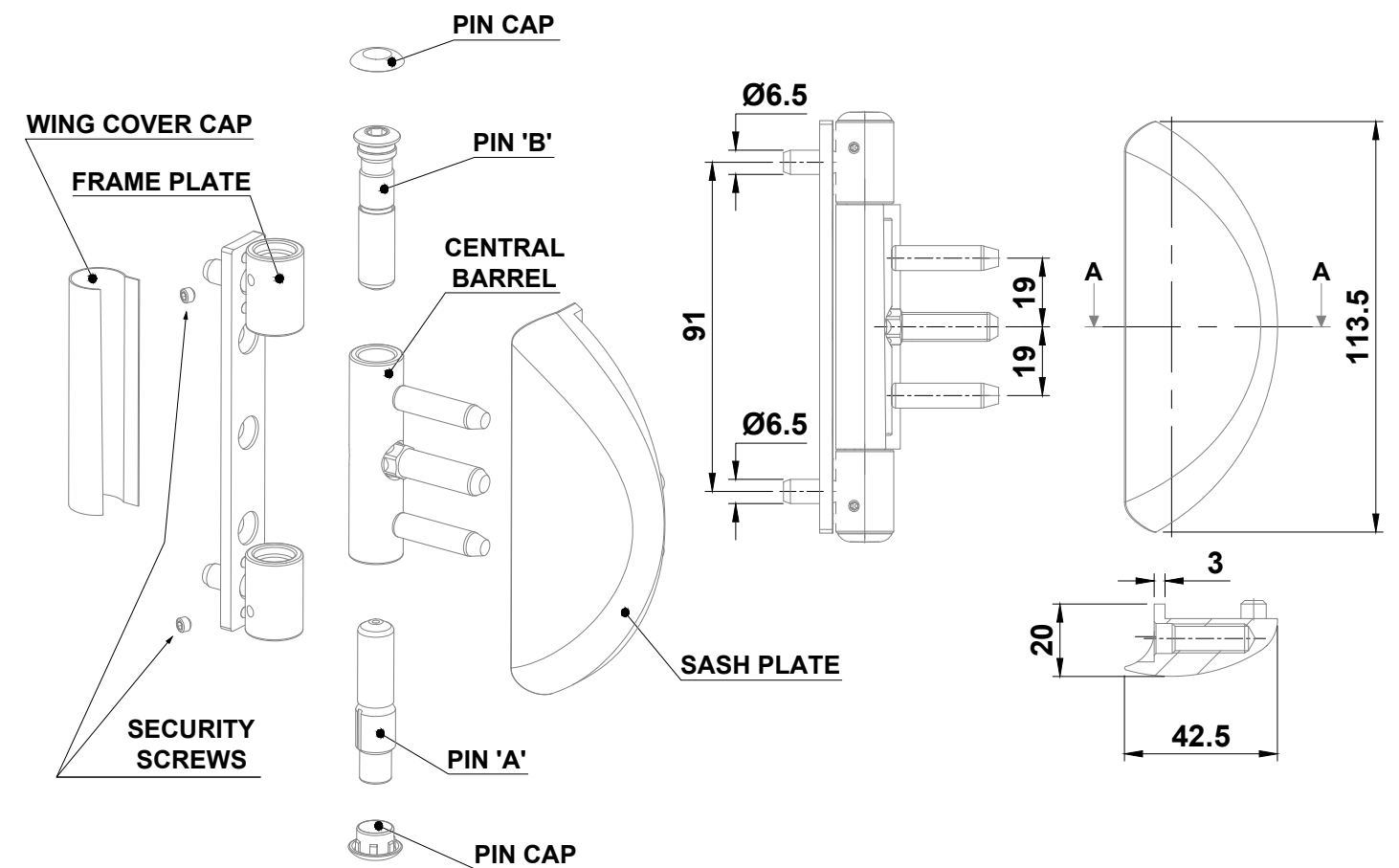
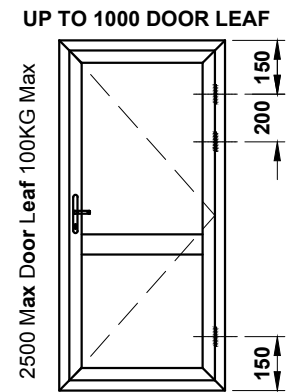
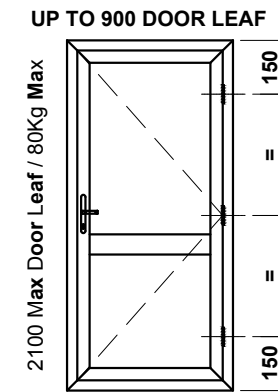
ACET250 Hinge Fitting Details



Fitting Instructions:

(Full instructions are supplied with each ACET250 Hinge)

1. Align outer frame and sash in correct position
2. Clamp drill jig ACET950 over the centre line of the hinge
3. Drill through all bushes marked '1' with a Ø7.2mm drill bit (supplied) and through all bushes marked '2' with a Ø4mm drill bit (not supplied)
4. Fasten the sash plate
5. Fasten the frame plate using ACIM062 screws ensuring the grub screws are positioned towards the door sash
6. Drive in the central barrel until it lines up with the rings on the frame plate
7. Drive in pin 'B' to the top of the hinge and then drive in pin 'A' to the bottom of the hinge
8. Open the door and lightly tighten the security screws
9. Adjust hinge as required then insert caps and cover caps.

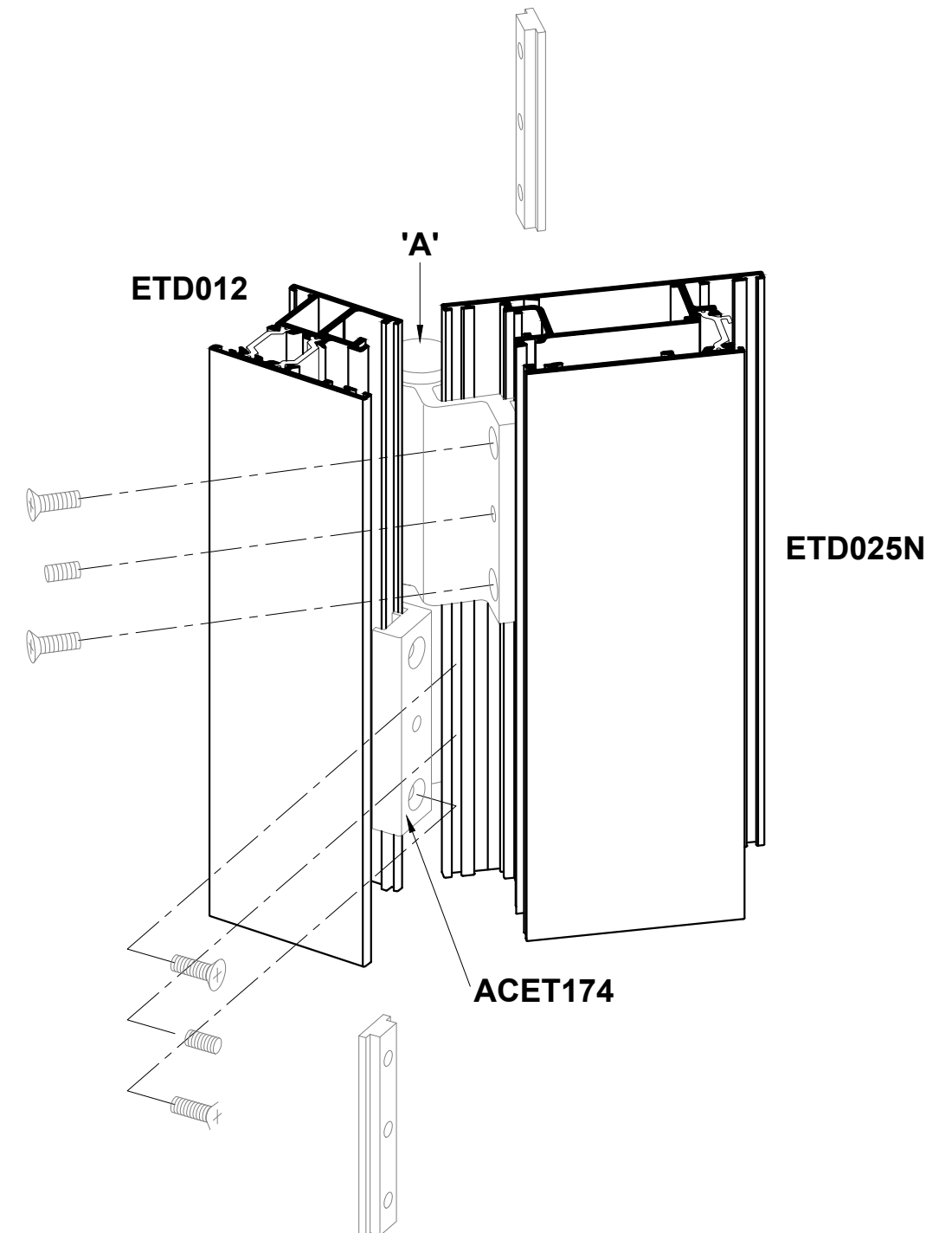
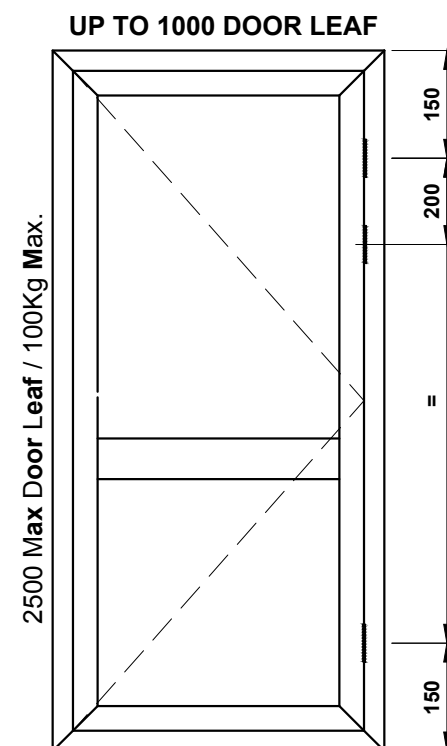
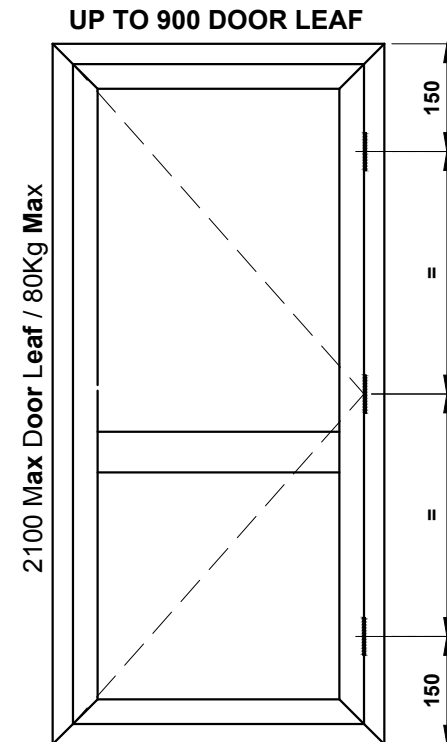


Do Not Scale From This Drawing

ACET174 Hinge Fitting Details

Assembly Instructions:

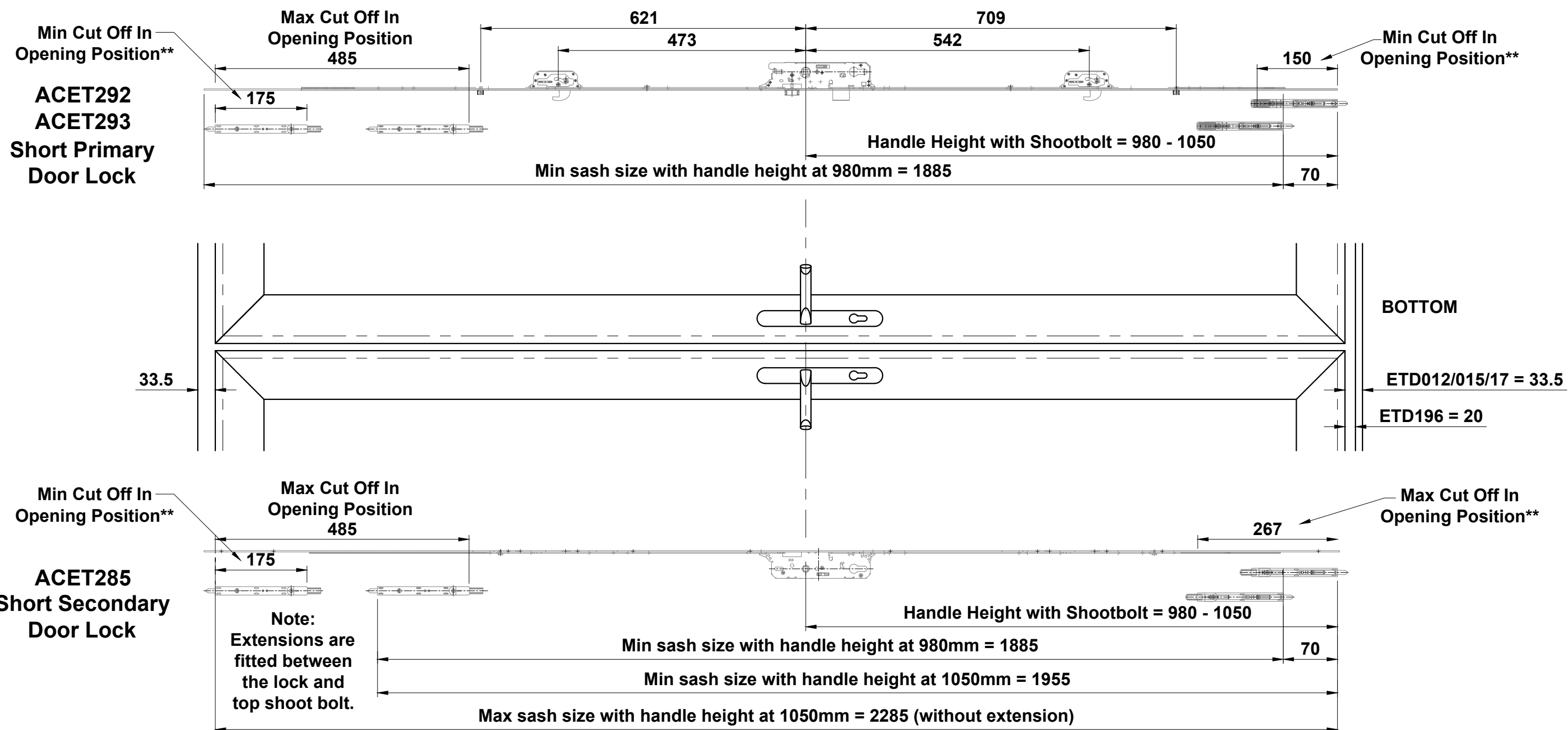
1. Fix 2no M5x10mm grub screws to sash frame clamp plate and slide into sash eurogroove to hinge position.
2. Locate hinge and clamp in position using 2no M5x10mm machine screws.
3. Fix sash to outer frame using clamp plates and fit M5 x 15mm CSK machine screws and adjust for correct position.
4. If the sash requires adjustment after the door has been glazed this can be achieved by loosening the clamp plate machine screws, adjusting the sash height and tightening the clamp plates.
5. The final adjustment of the sash width and compression of the gasket when the sash is closed can be achieved by rotating the cam in the hinge (A).



Do Not Scale From This Drawing

Lock Selection with Shootbolts

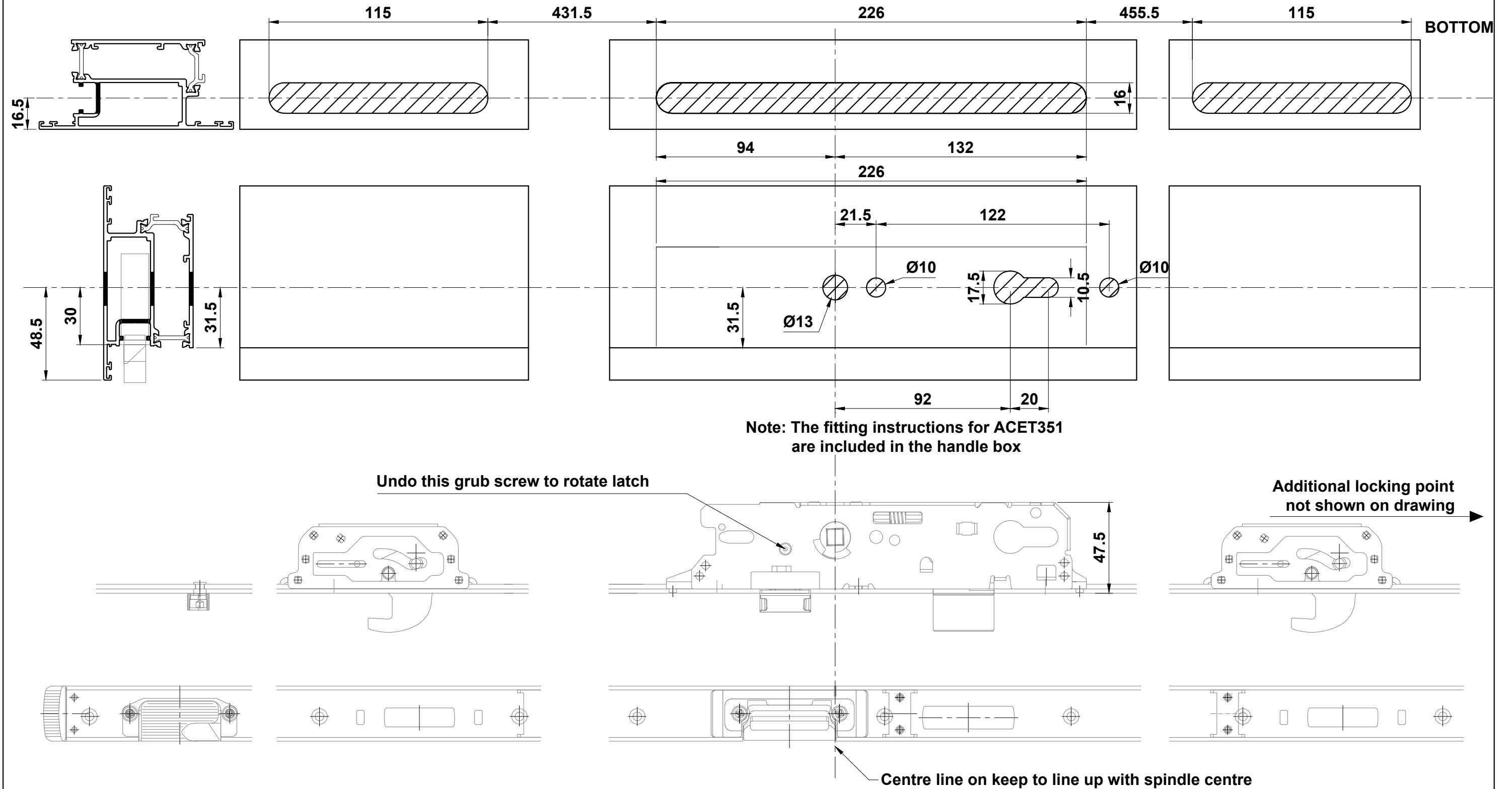
Note: ACDV742 & ACDV744 extensions may used with all locks



*Maximum sash height is 2500mm. Sizes shown here only indicate sizes with ACDV744.
**Minimum cut off positions are required to fit the shoot bolts.

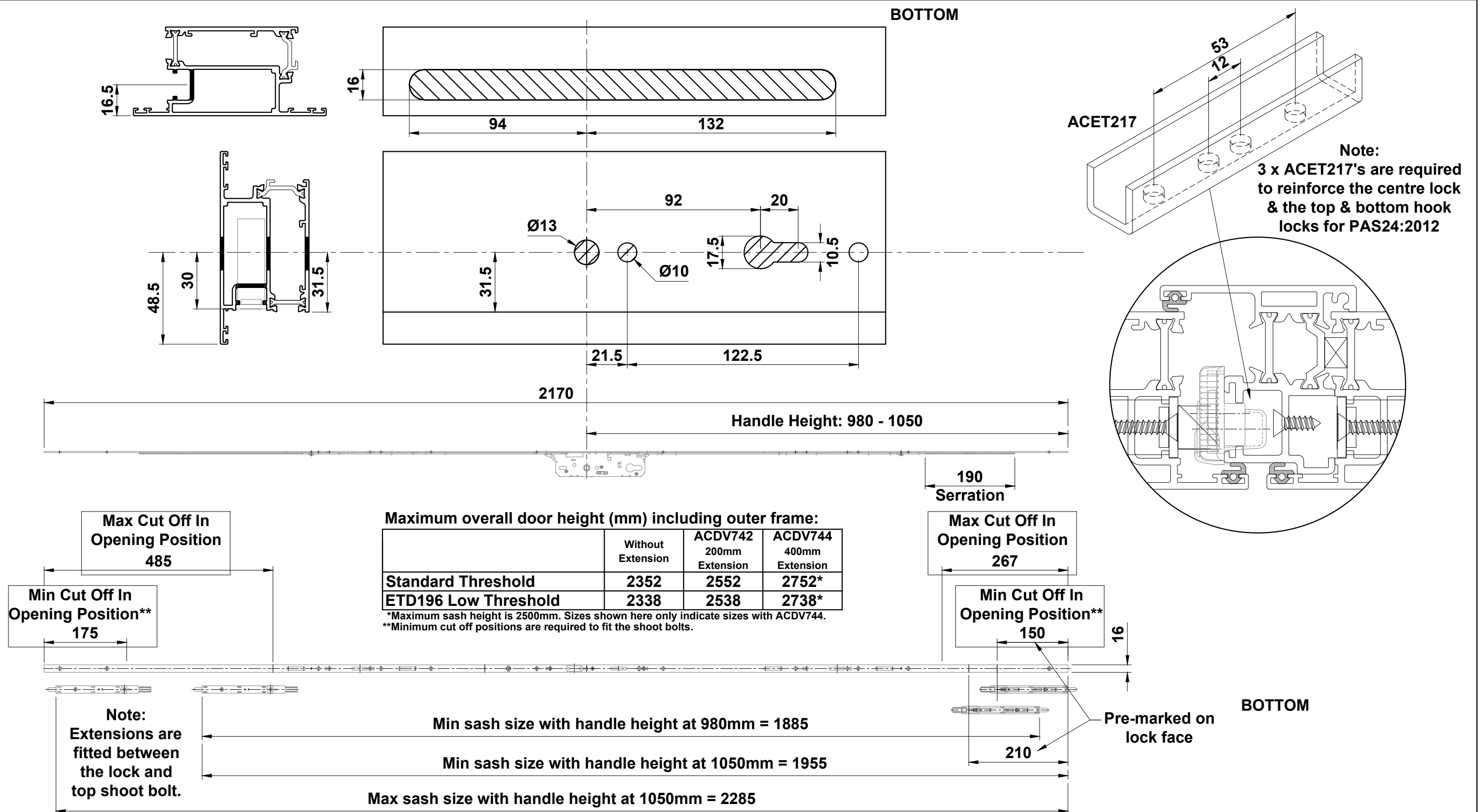
Do Not Scale From This Drawing

Primary Door Lock Fitting Details with ACDV251 or ACET351 Handle



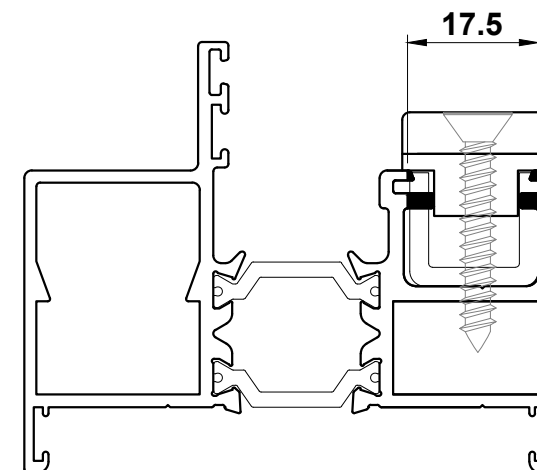
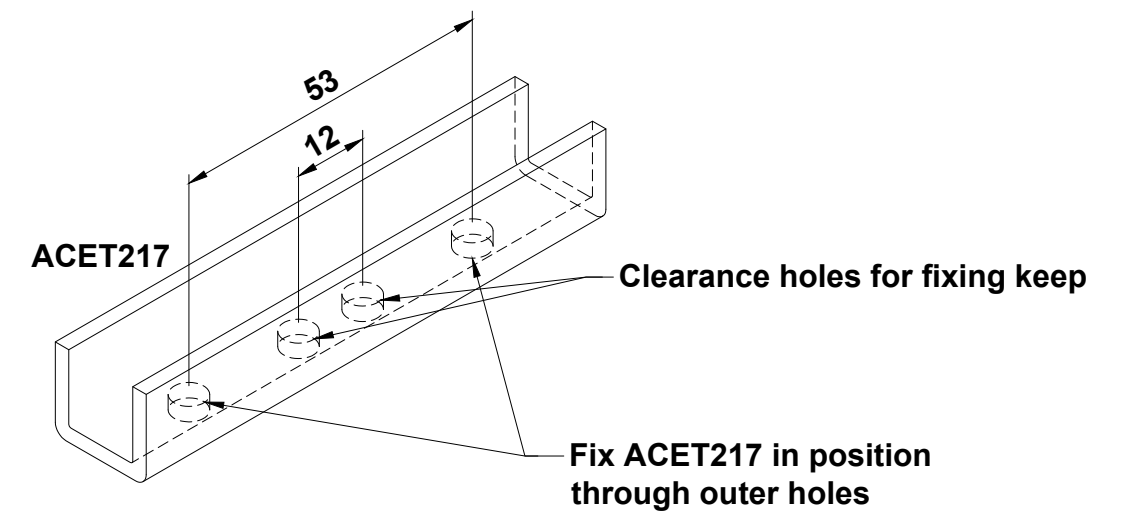
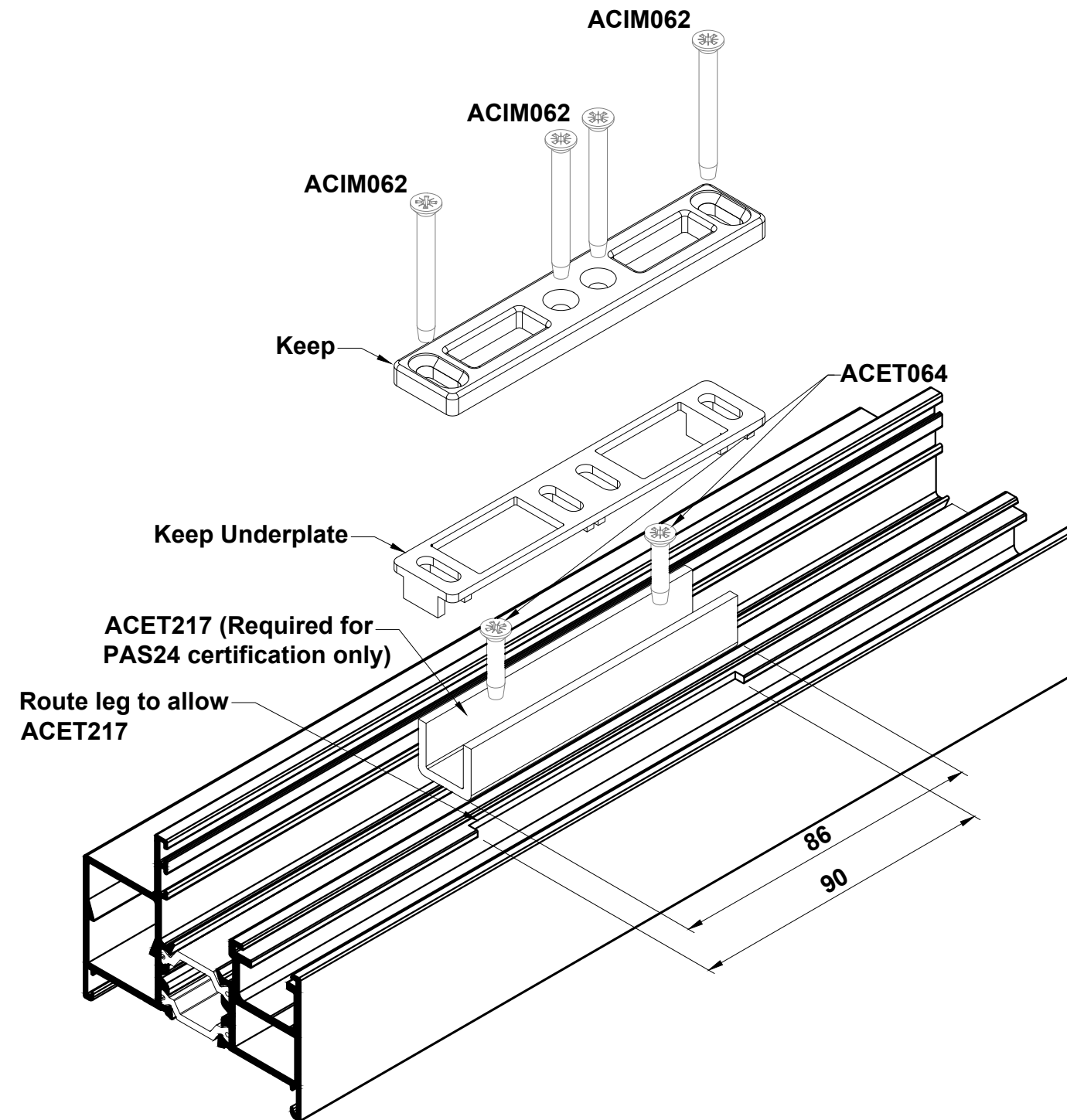
Do Not Scale From This Drawing

Secondary Door Lock Fitting Details



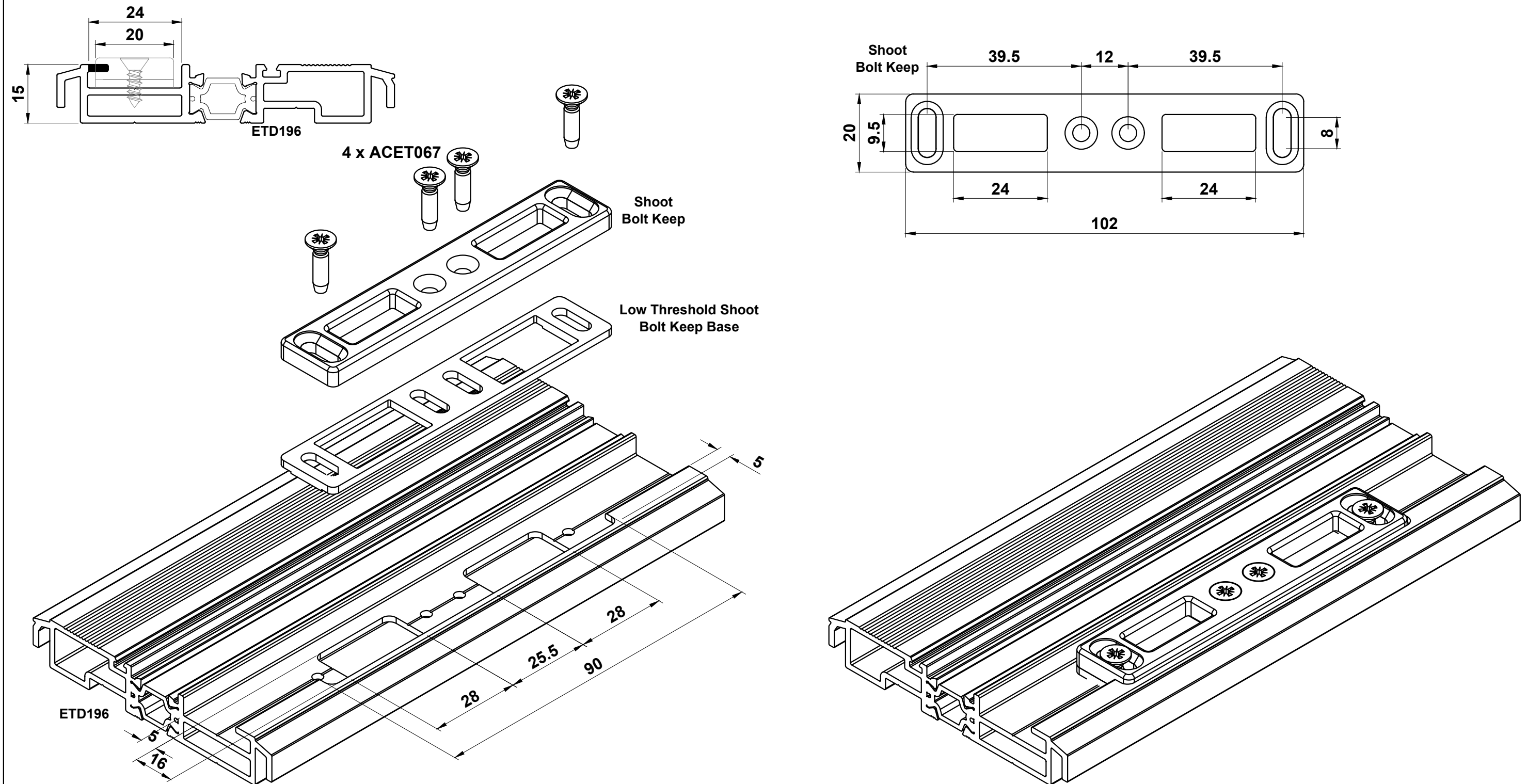
Do Not Scale From This Drawing

Shootbolt Keep Fitting Details



Do Not Scale From This Drawing

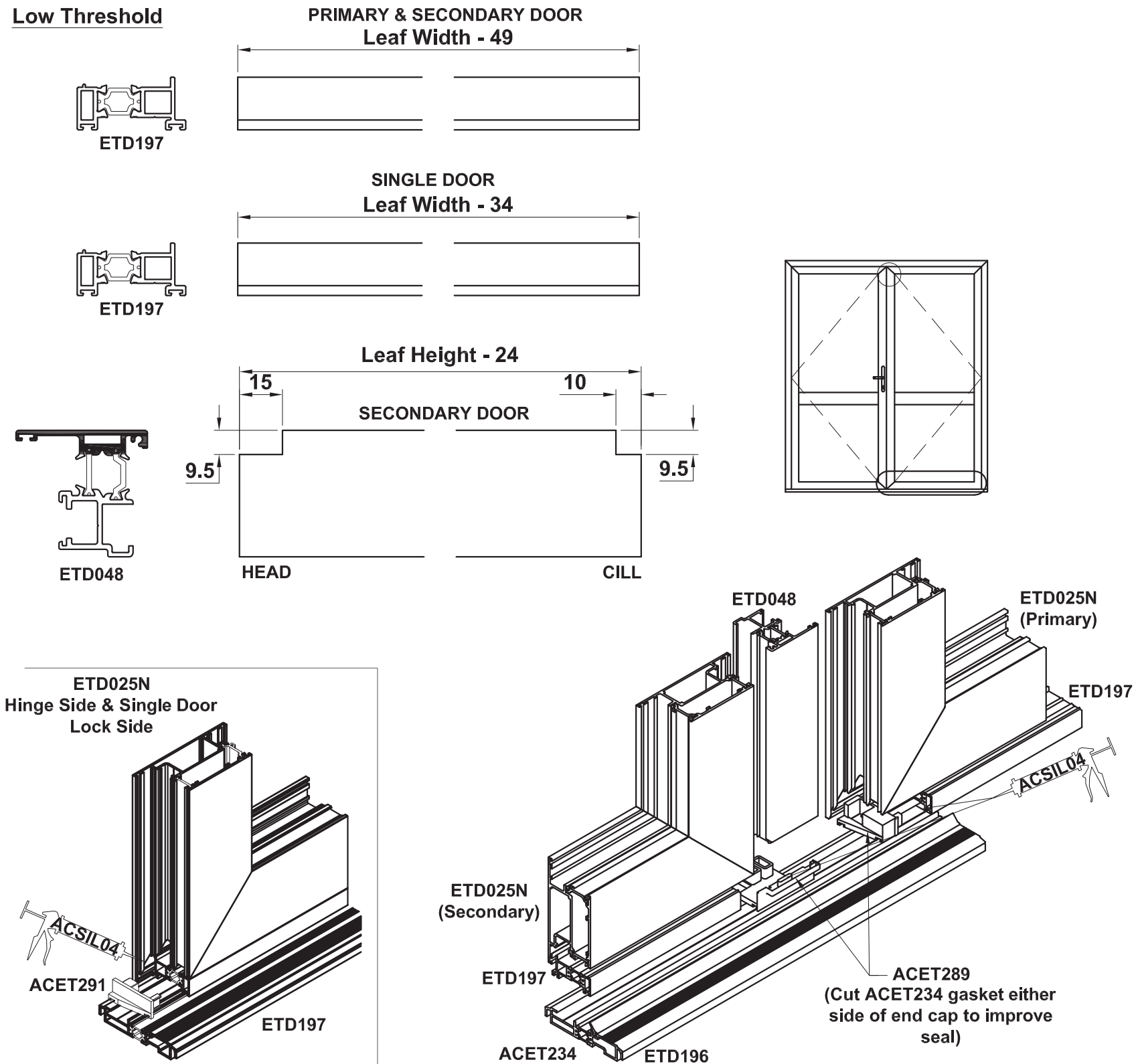
Shootbolt Keep Fitting Details in Low Threshold



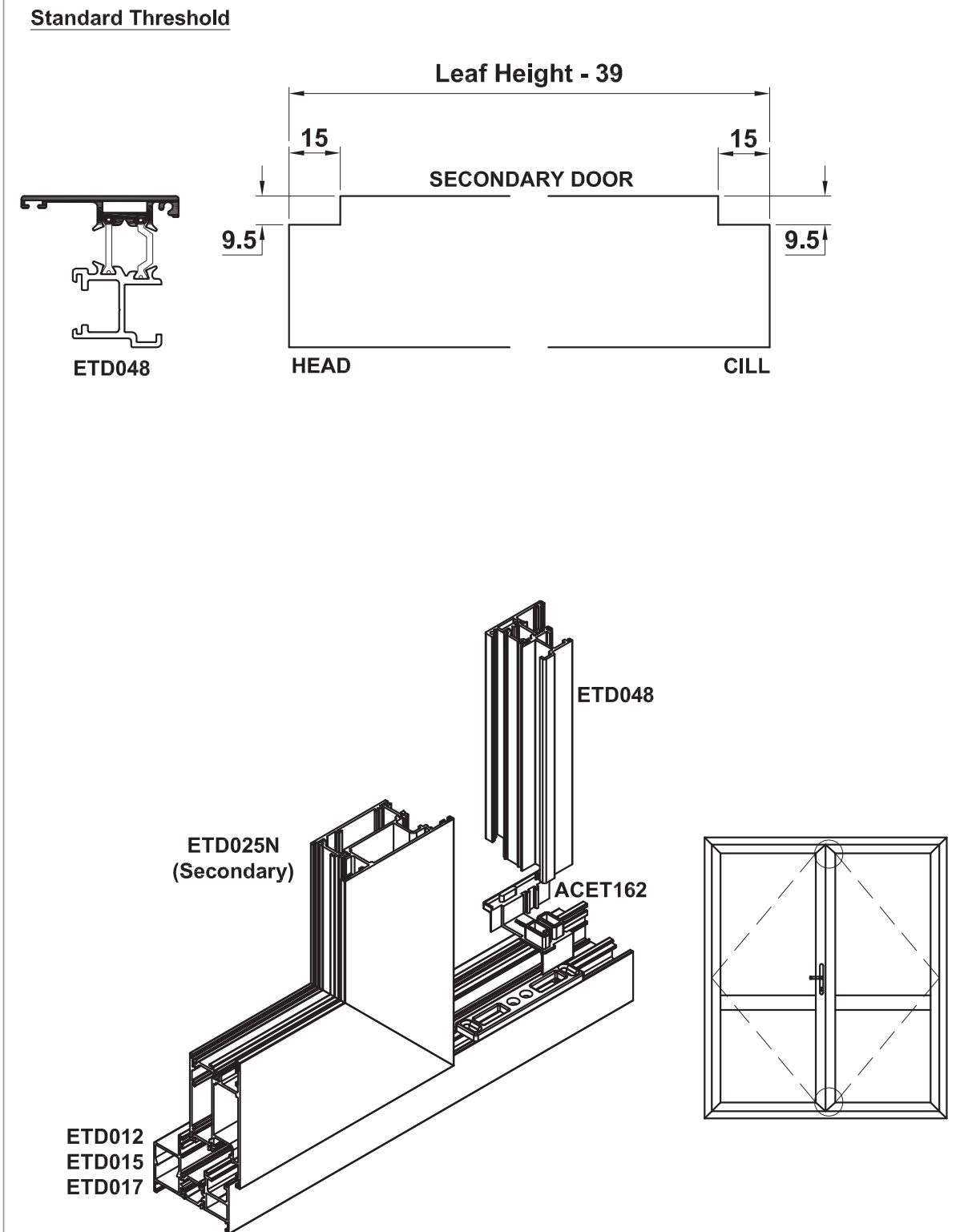
Do Not Scale From This Drawing

ETD048 & ETD197 Cutting & Notch Details

Low Threshold

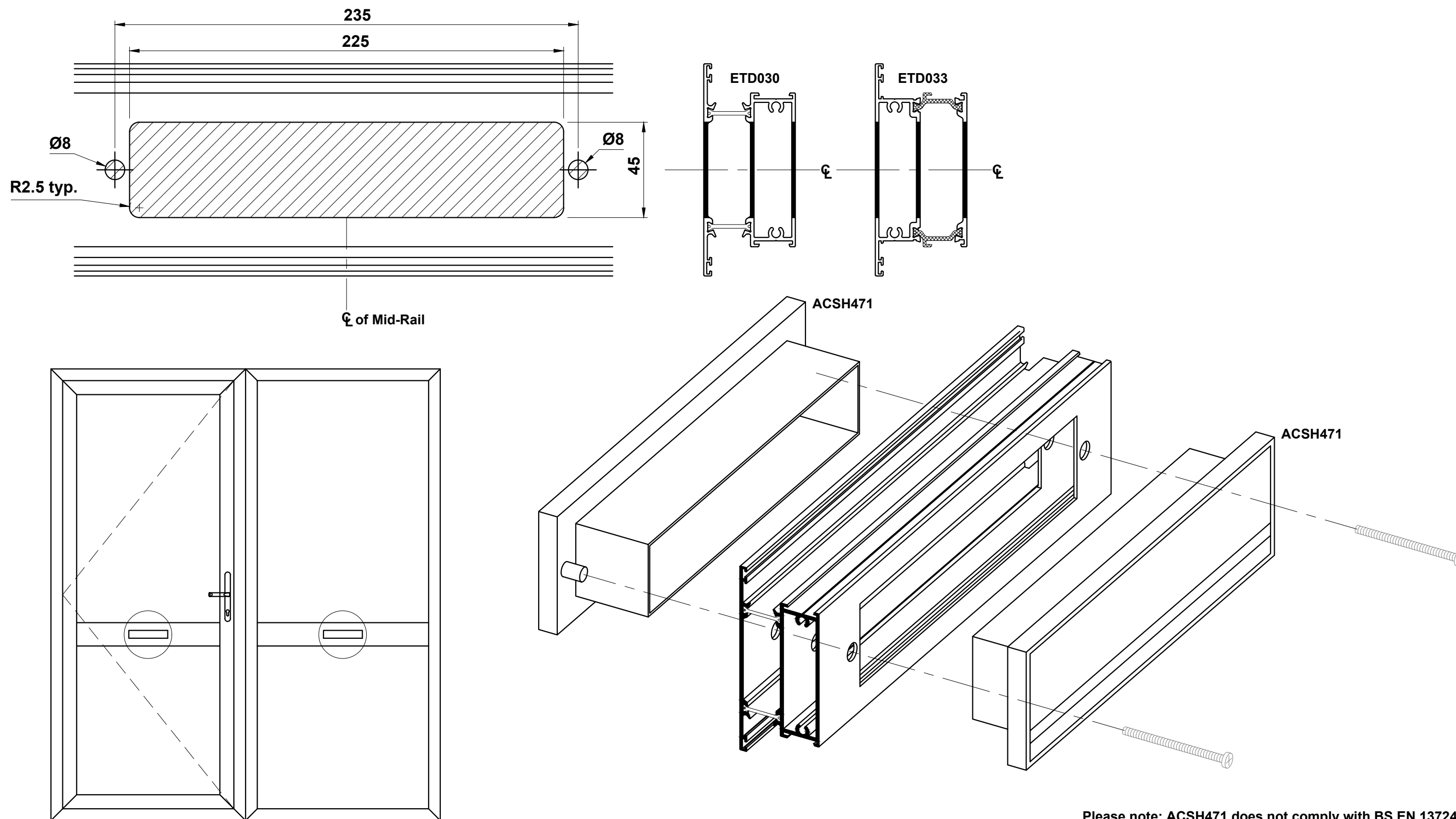


Standard Threshold



Do Not Scale From This Drawing

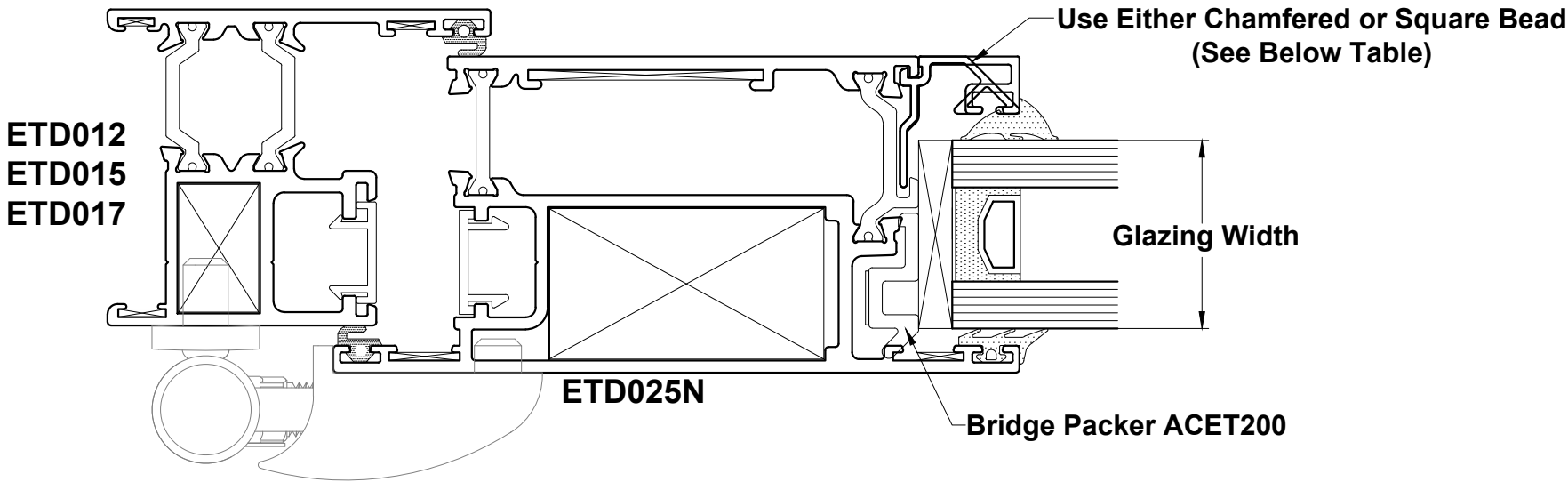
Letterplate Details



Please note: ACSH471 does not comply with BS EN 13724:2002

Do Not Scale From This Drawing

Glazing Chart



24mm		28mm		32mm	
Beads	Gaskets	Beads	Gaskets	Beads	Gaskets
ETC162 	ACVG31 ACVG34	ETC161 	ACVG31 ACVG34	ETC160 	ACVG31 ACVG34
ETC163 	ACVG31 ACVG34	ETC164 	ACVG31 ACVG34		

Do Not Scale From This Drawing

ACET149 Fitting Instructions

Ensure friction screw is loose before fitting stay to door. Adjust to required tension once the stay is fixed in position.

Fixing Plate Snap-In-Fix

**1" No.7 ACET060
Screw (2 off)**

ACET060 x 2

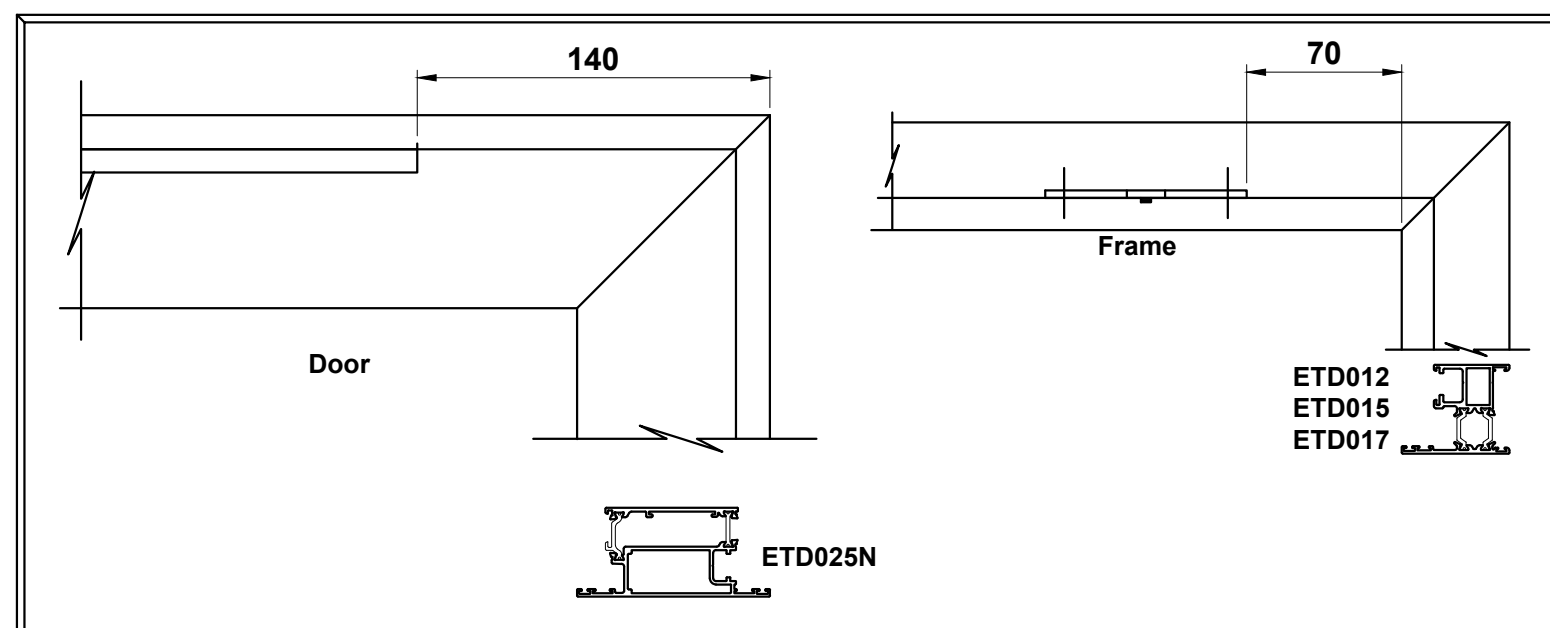
ACET149

Friction Screw

Identification Registration

Fixing Plate Snap-in-fix

ACET060 x 2



Do Not Scale From This Drawing

Example Layout

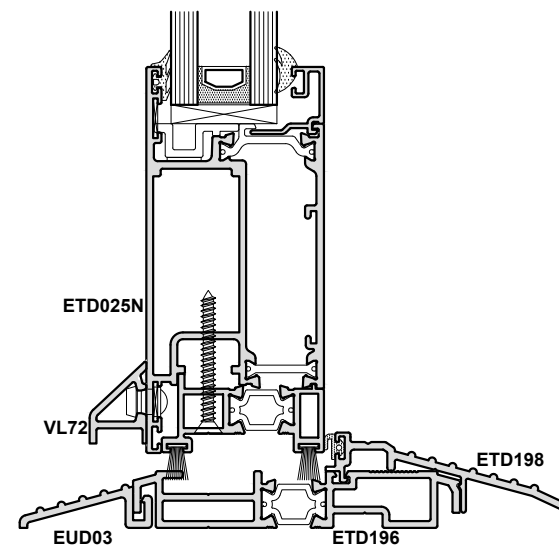
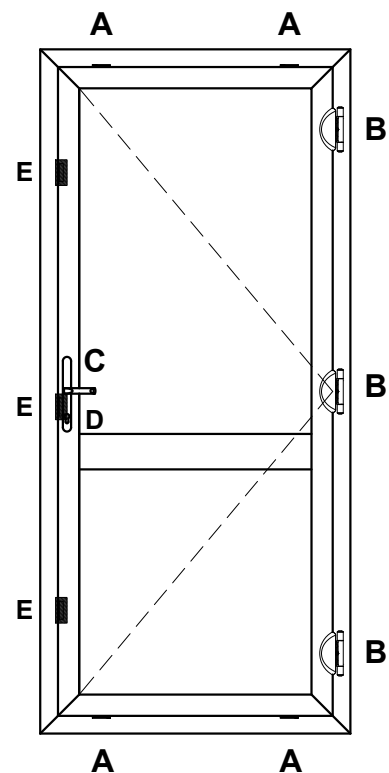


PAS24:2012 Details

Single Door

Accessories Required to
Achieve PAS24:2012

A	Guide Blocks	ACET257
B	Hinges	ACET250
C	Lever/Lever Handle	ACET351
D	30/45 Cylinder	ACCY3045S1
E	Keep Reinforcement	ACET217



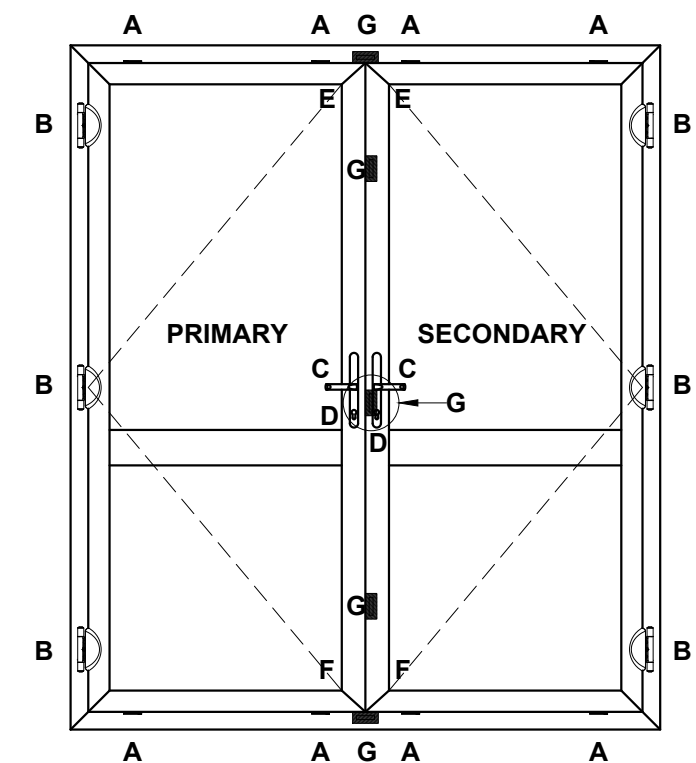
Note: To comply with PAS24:2012 &
KM530838, ETD198 must be used with ETD196

Double Door

Accessories Required to
Achieve PAS24:2012

A	Guide Blocks	ACET257
B	Hinges	ACET250
C	Lever/Lever Handle	ACET351
D	30/45 Cylinder	ACCY3045S1
E	Top Shootbolt	ACDV738*
F	Bottom Shootbolt	ACDV737*
G	Keep Reinforcement	ACET217

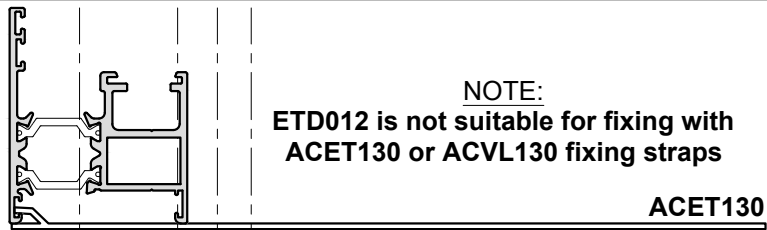
** ACDV737 & ACDV738 shoot bolts are
supplied for the secondary door with ACET285



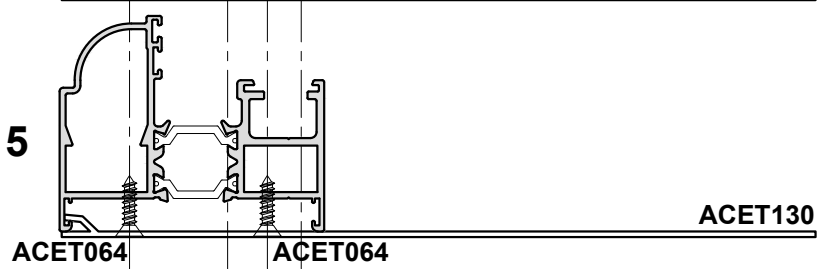
Do Not Scale From This Drawing

Fixing Strap Guide

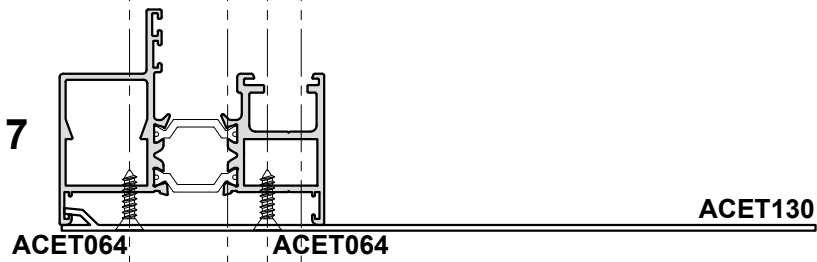
ETD012



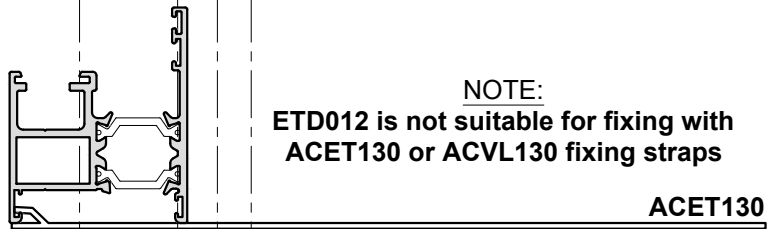
ETD015



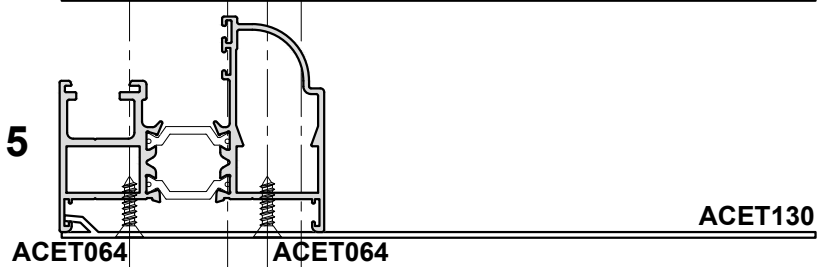
ETD017



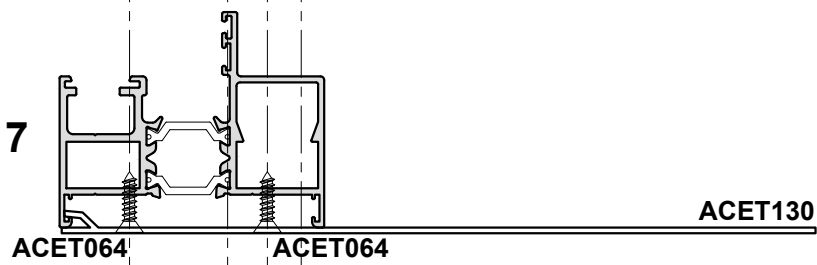
ETD012



ETD015

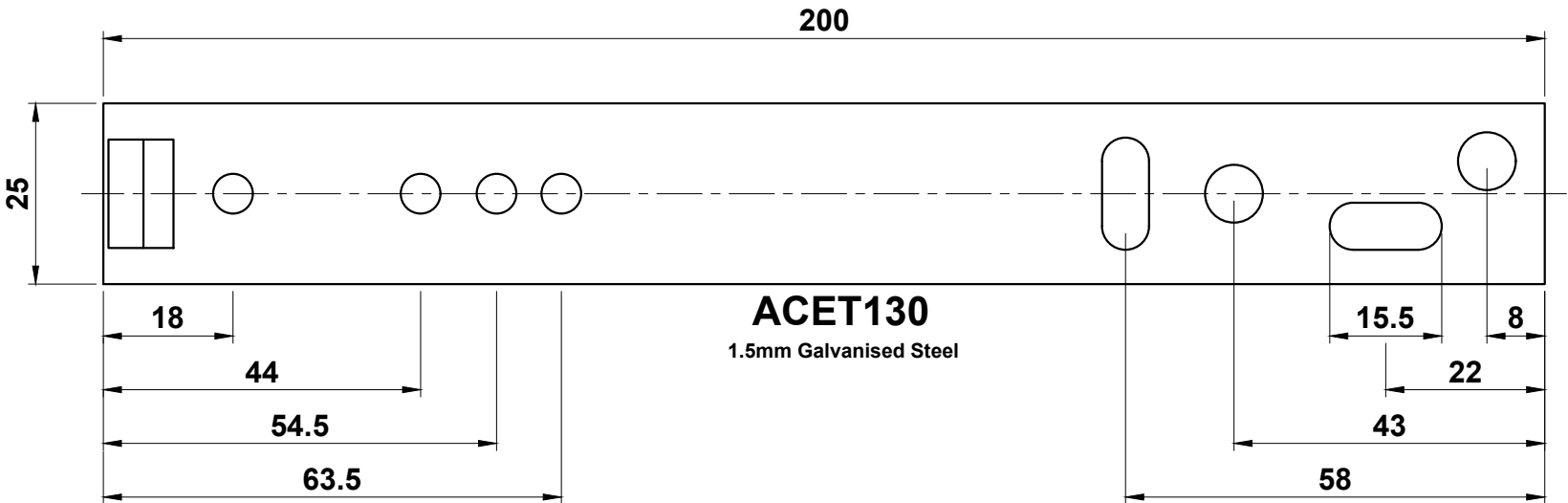
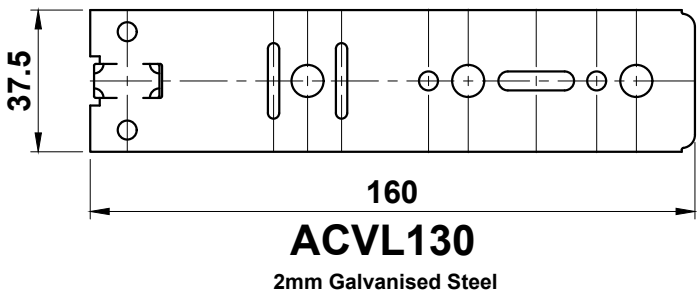
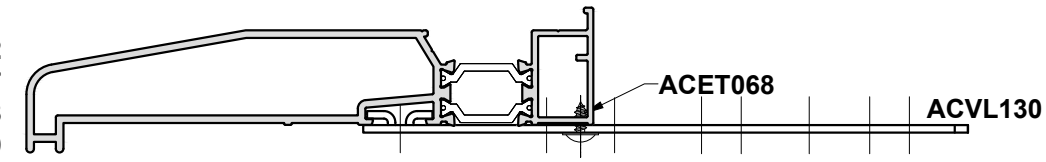


ETD017



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

ETC452
ETC457
ETC458
ETC479



Section F

Sawing Tables

Open In - Cutting Information

Single Door With Low Threshold

Double Door With Low Threshold

Single Door With Standard Threshold

Double Door With Standard Threshold

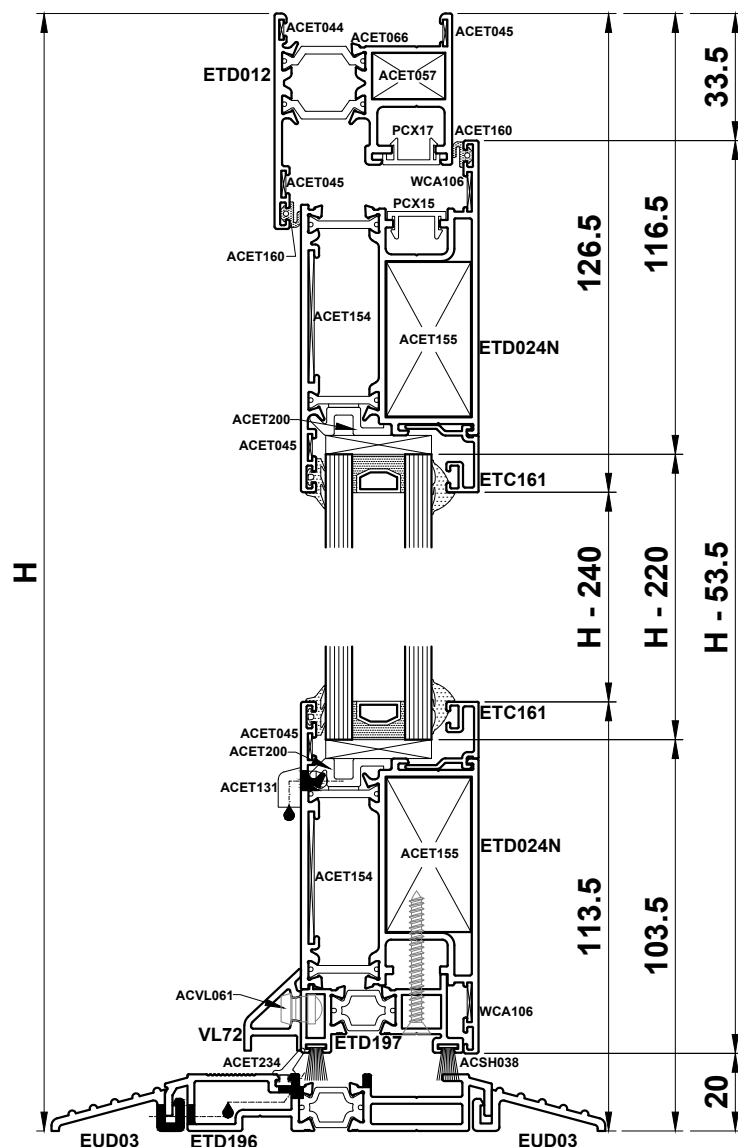
Section F

Sawing Tables

Open Out - Cutting Information

Single Door With Low Threshold
Double Door With Low Threshold
Single Door With Standard Threshold
Double Door With Standard Threshold

Single Door with Low Threshold



PROFILE CUTTING SCHEDULE

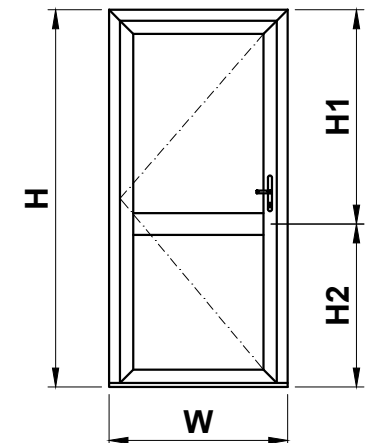
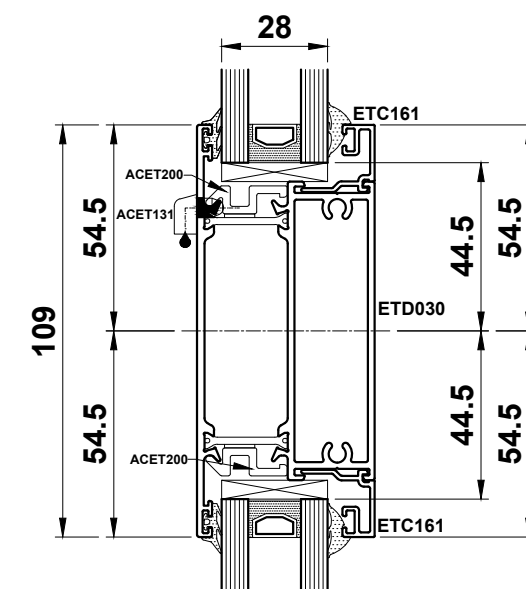
ETD012		2		H-15
ETD012		1		W
ETD024N		2		H-53.5
ETD024N		2		W-67
ETD196		1		W
ETD197		1		W-100
BEAD		2		H-240
BEAD		2		W-223
VL72		1		W-128
EUD03		2		W
PCX15		2		H-90
PCX15		1		W-105
PCX17		2		H-55
PCX17		1		W-80

GLASS SIZES

WITHOUT MIDRAIL	W - 233	H - 220
ETD030	W - 233	H1 - 161 H2 - 148

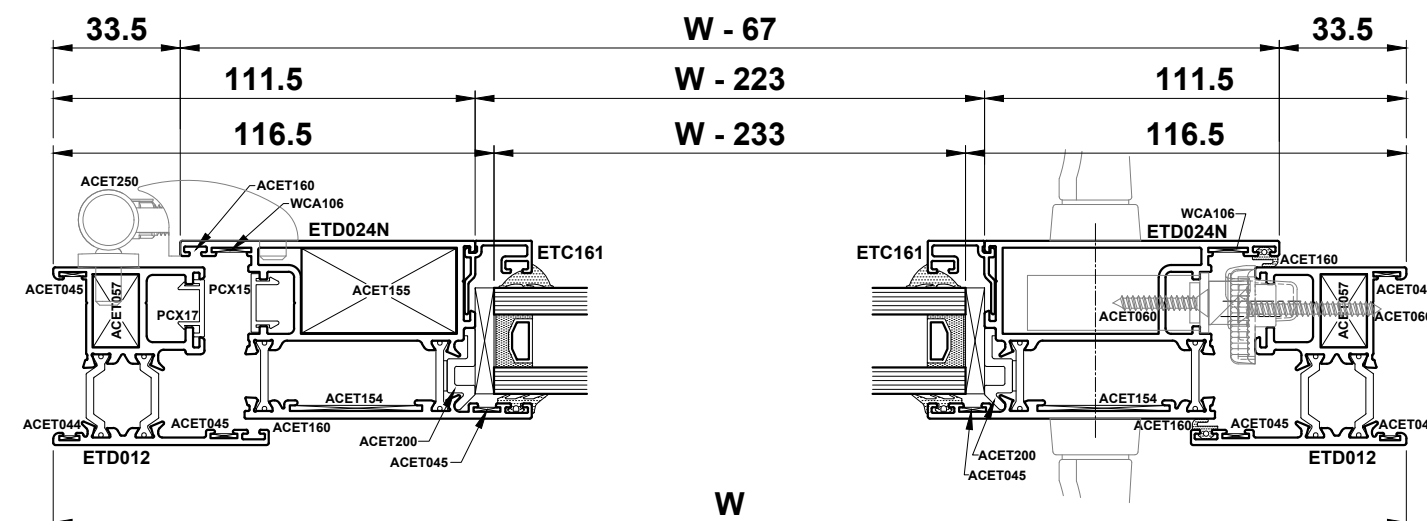
ACCESSORIES

ACCY3045	1	30/45 Cylinder
ACDV251	1 Pair	Lever/Lever Handle
ACET044	2	Chevron
ACET045	8	Chevron
ACET057	2	Outer Frame Cleat
ACET060	11	Lock Screws
ACET066	14	Keep & ETD197 Screws
ACET131	2	Drainage Cap
ACET234	1xW	Threshold Gasket
ACET154	4	Sash Chevron
ACET155	4	Sash Cleat
ACET160	2xW + 4xH	Flipper Gasket
ACET200	4	Bridge Packer
ACET250	2 or 3	Hinge
ACET257	2	Guide Block
ACET259	1 Pair	Threshold Bracket
ACET282/3	1	Multi-Point Lock
ACET291	1 Pair	ETD197 Woolpile Carriers
ACET390	4	ACET259 Screws
ACSH038	2xW	Woolpile
ACVG31	2xW + 2xH	E Gasket
ACVG34	2xW + 2xH	Wedge Gasket
ACVL059	1 Pair	VL72 End Cap
ACVL061	5	VL72 Rivet
WCA106	4	Sash Chevron



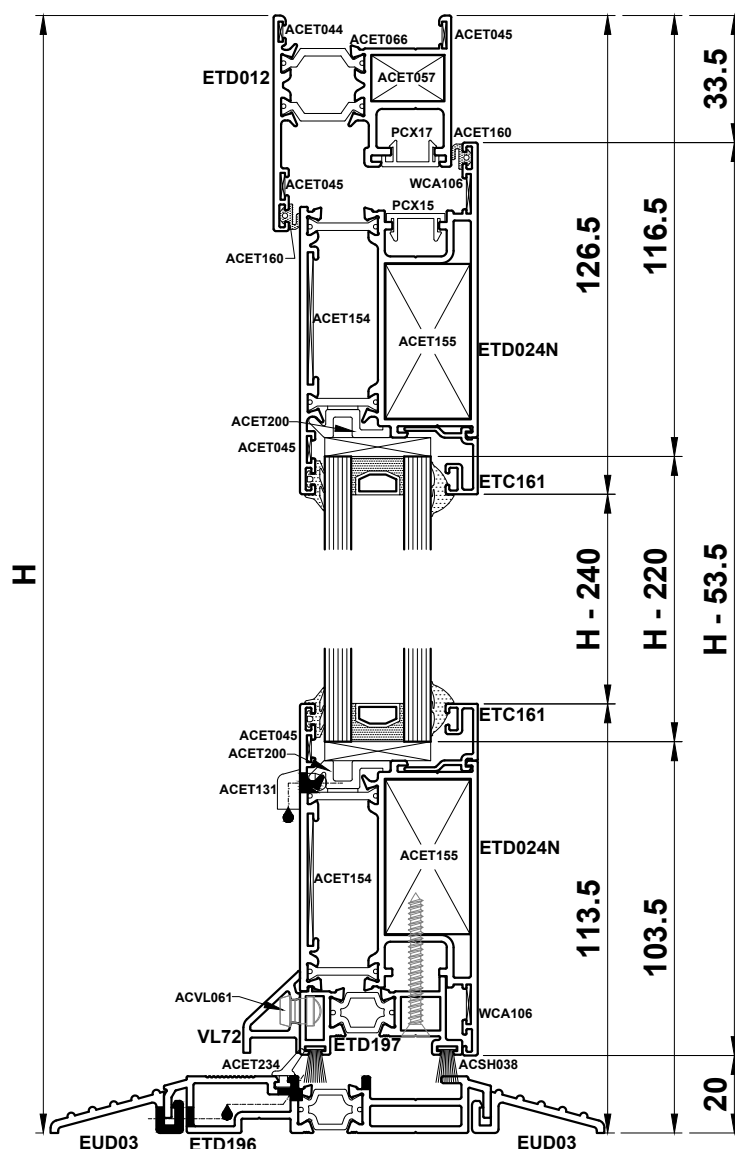
ACCESSORIES FOR MID RAIL

ACDR052	4	Screws
ACET131	2	Drainage Cap
ACET200	4	Bridge Packer
ACVG31	2xW	E Gasket
ACVG34	2xW	Wedge Gasket



Do Not Scale From This Drawing

Double Door with Low Threshold



PROFILE CUTTING SCHEDULE

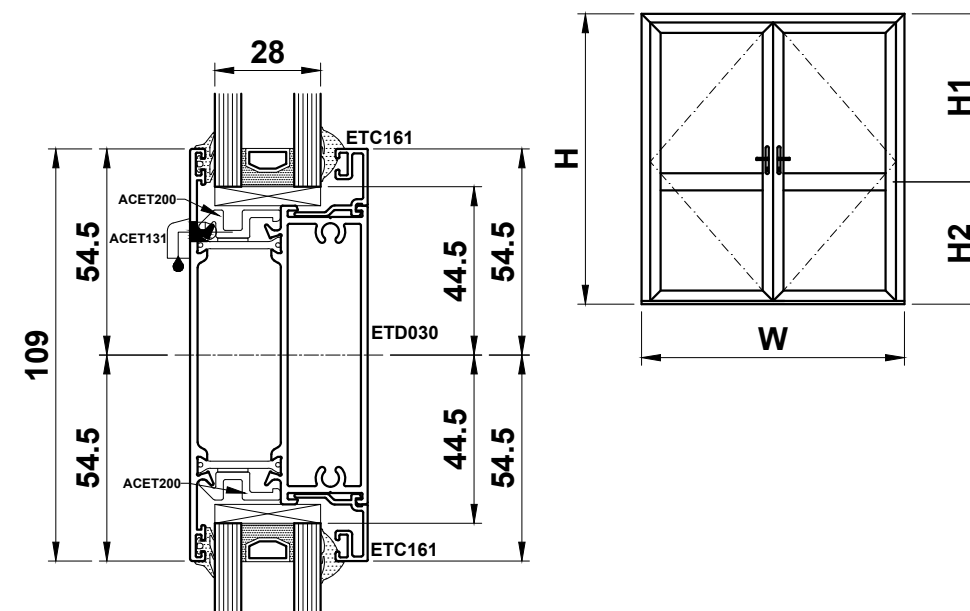
ETD012		2		H-15
ETD012		1		W
ETD024N		4		H-53.5
ETD024N		4		W/2-36
ETD048		1		H - 77.5
ETD196		1		W
ETD197		1		W/2-75
ETD197		1		W/2-70
BEAD		4		H-240
BEAD		4		W/2-192
VL72		2		W/2-83
EUD03		2		W
PCX15		3		H-90
PCX15		2		W/2-73.5
PCX17		3		H-55
PCX17		1		W-80

GLASS SIZES

WITHOUT MIDRAIL	W/2 - 202	H - 220
ETD030	W/2 - 202	H1 - 161
		H2 - 148

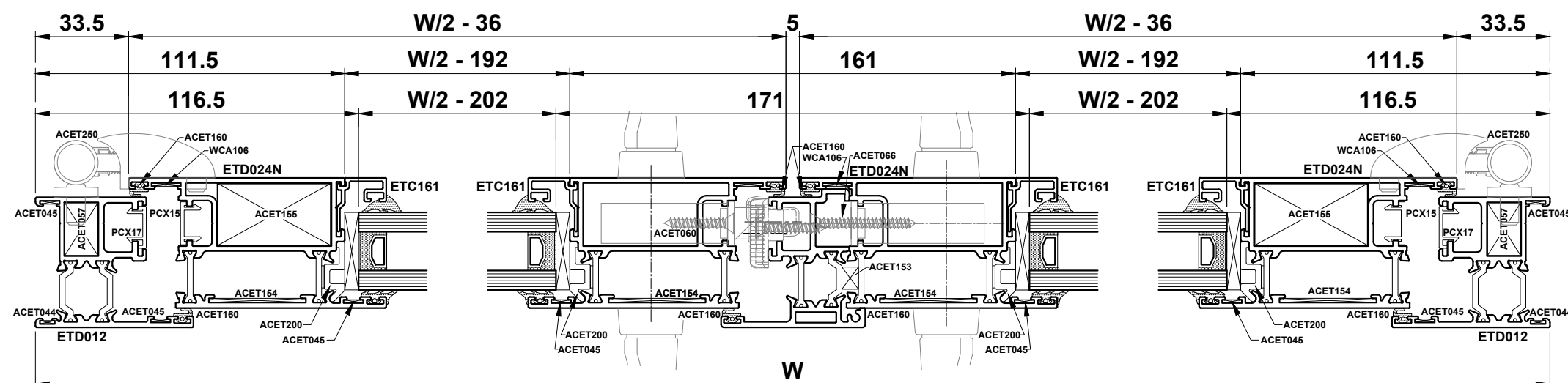
ACCESSORIES

ACCY3045	2	Cylinder
ACDV251	2 Pairs	Lever/Lever Handle
ACDV737	1	Bottom Shoot Bolt
ACDV738	1	Top Shoot Bolt
ACET044	2	Chevron
ACET045	12	Chevron
ACET057	2	Outer Frame Cleat
ACET060	20	Lock & Keep Screws
ACET066	21	Lock & ETD197 Screws
ACET131	4	Drainage Cap
ACET153	at 300 ctrs	ETD048 Packer
ACET154	8	Sash Chevron
ACET155	8	Sash Cleat
ACET160	2xW + 7xH	Flipper Gasket
ACET162	1 Pair	ETD048 End Caps
ACET200	8	Bridge Packer
ACET234	1xW	Threshold Gasket
ACET250	4 or 6	Hinge
ACET257	4	Guide Blocks
ACET259	1 Pair	Threshold Bracket
ACET285	1	Secondary Door Lock Kit
ACET289	1 Pack	ETD048/ETD197 End Cap
ACET291	1 Pair	ETD197 End Cap
ACET292/3	1	Multi-Point Lock
ACET390	4	ACET259 Screws
ACSH038	2xW	Woolpile
ACVG31	2xW + 2xH	E Gasket
ACVG34	2xW + 2xH	Wedge Gasket
ACVL059	2 Pairs	VL72 End Cap
ACVL061	10	VL72 Rivet
WCA106	8	Sash Chevron



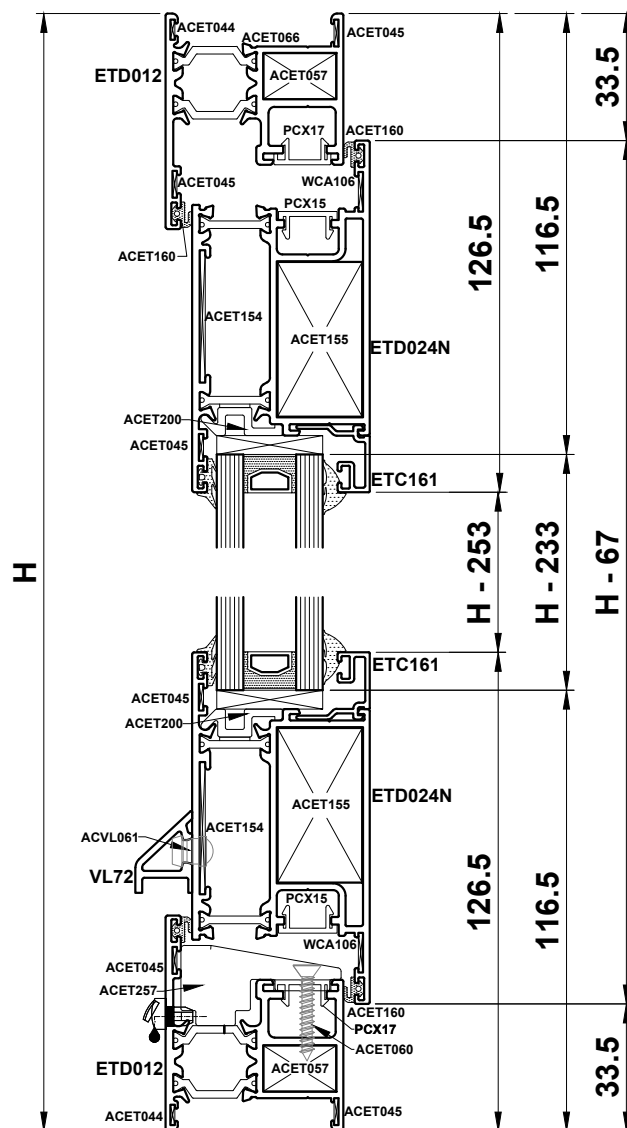
ACCESSORIES FOR MID RAIL

ACDR052	8	Screws
ACET131	4	Drainage Cap
ACET200	8	Bridge Packer
ACVG31	2xW	E Gasket
ACVG34	2xW	Wedge Gasket



Do Not Scale From This Drawing

Single Door with Standard Threshold



PROFILE CUTTING SCHEDULE

ETD012		2		H
ETD012		2		W
ETD024N		2		H-67
ETD024N		2		W-67
BEAD		2		H-253
BEAD		2		W-223
VL72		1		W-128
PCX15		2		H-103
PCX15		2		W-105
PCX17		2		H-80
PCX17		2		W-80

GLASS SIZES

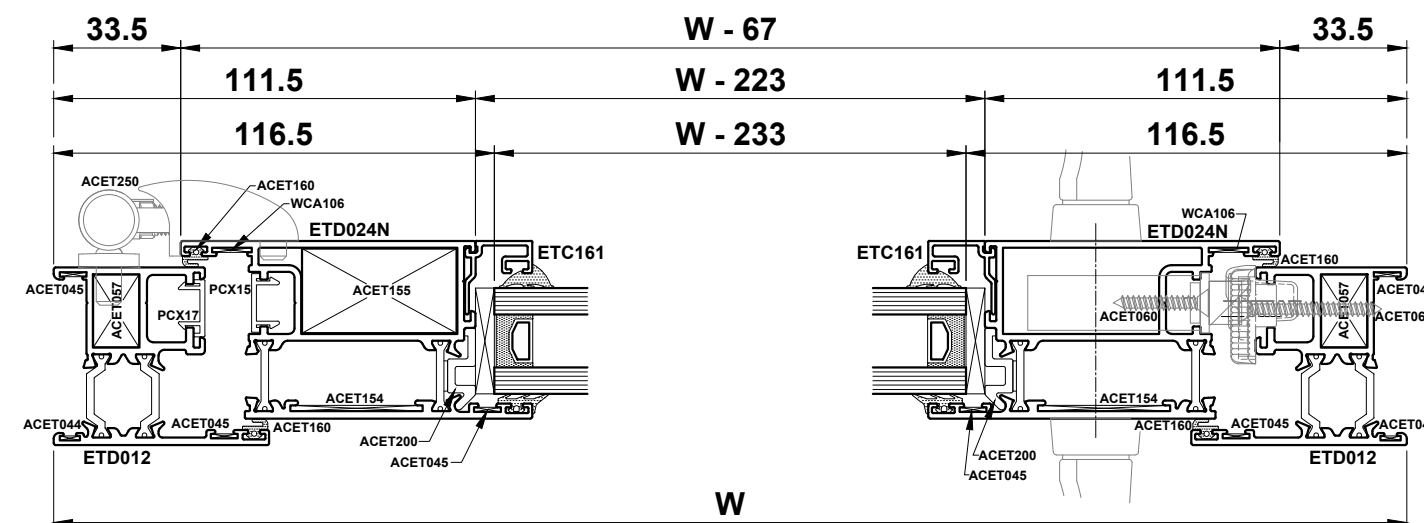
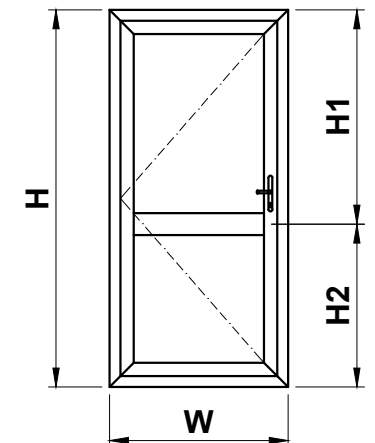
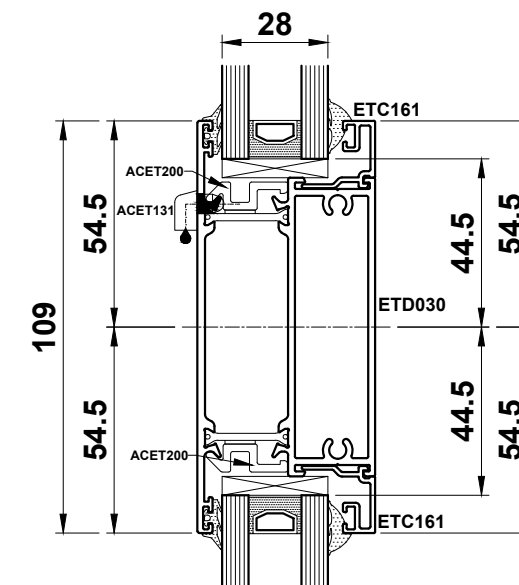
WITHOUT MIDRAIL	W - 233	H - 233
ETD030	W - 233	H1 - 161
		H2 - 161

ACCESSORIES

ACCY3045	1	Cylinder
ACDV251	1 Pair	Lever/Lever Handle
ACET044	4	Chevron
ACET045	12	Chevron
ACET057	4	Outer Frame Cleat
ACET060	12	Lock & ACET257 Screws
ACET066	9	Keep Screws
ACET131	2	Drainage Cap
ACET154	4	Sash Chevron
ACET155	4	Sash Cleat
ACET160	4xW + 4xH	Flipper Gasket
ACET200	4	Bridge Packer
ACET250	2 or 3	Hinge
ACET257	4	Guide Block
ACET282/3	1	Multi-Point Lock
ACVG31	2xW + 2xH	E Gasket
ACVG34	2xW + 2xH	Wedge Gasket
ACVL059	1 Pair	VL72 End Cap
ACVL061	5	VL72 Rivet
WCA106	4	Sash Chevron

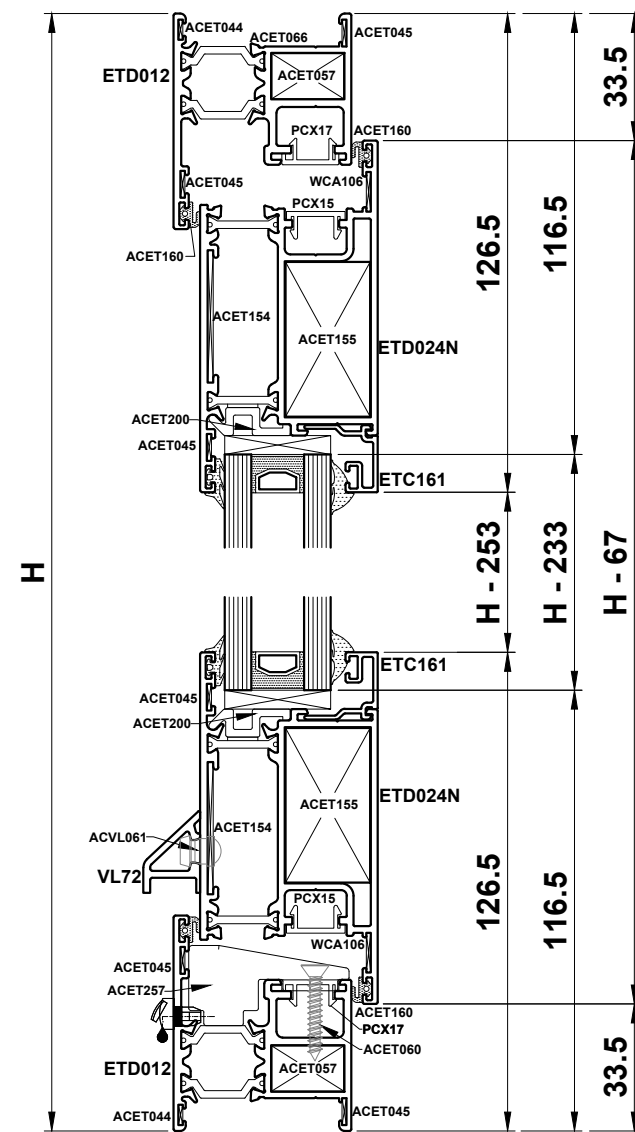
ACCESSORIES FOR MID RAIL

ACDR052	4	Screws
ACET131	2	Drainage Cap
ACET200	4	Bridge Packer
ACVG31	2xW	E Gasket
ACVG34	2xW	Wedge Gasket



Do Not Scale From This Drawing

Double Door with Standard Threshold



PROFILE CUTTING SCHEDULE

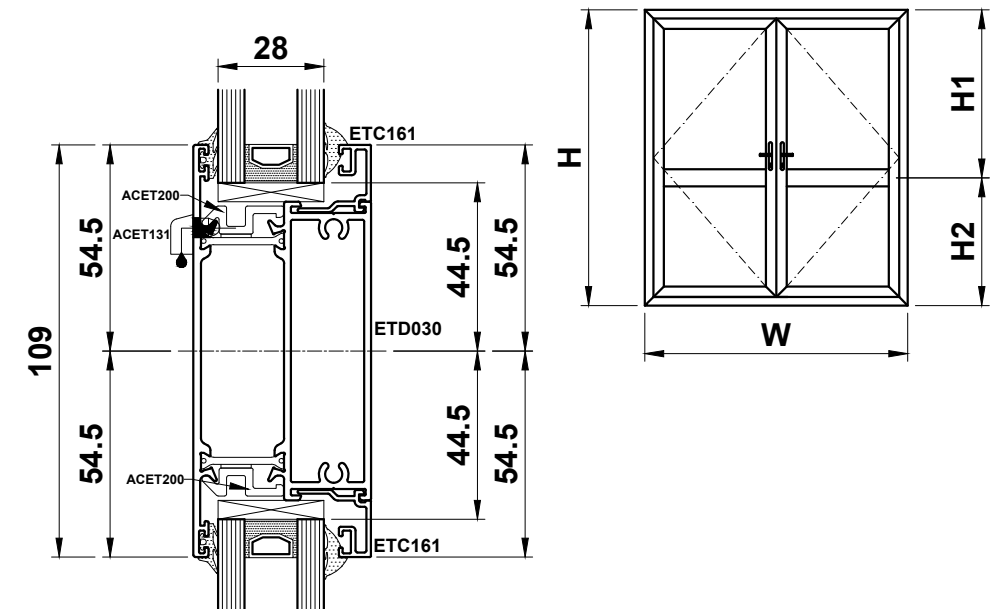
ETD012		2		H
ETD012		2		W
ETD024N		4		H-67
ETD024N		4		W/2-36
ETD048		1		H - 106
BEAD		4		H-253
BEAD		4		W/2-192
VL72		2		W/2-83
PCX15		4		H-103
PCX15		4		W/2-73.5
PCX17		3		H-80
PCX17		2		W-80

GLASS SIZES

WITHOUT MIDRAIL	W/2 - 202	H - 233
ETD030	W/2 - 202	H1 - 161
		H2 - 161

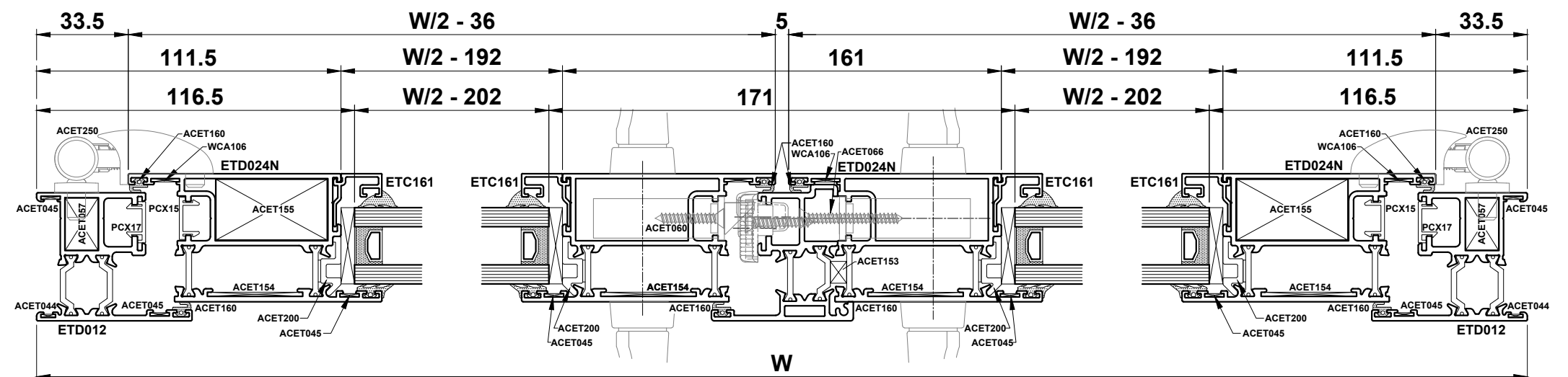
ACCESSORIES

ACCY3045	2	Cylinder
ACDV251	2 Pairs	Lever/Lever Handle
ACDV737	1	Bottom Shoot Bolt
ACDV738	1	Top Shoot Bolt
ACET044	4	Chevron
ACET045	16	Chevron
ACET057	4	Outer Frame Cleat
ACET060	20	Lock & Keep Screws
ACET066	11	Secondary Lock Screws
ACET131	4	Drainage Cap
ACET153	at 300 ctrs	ETD048 Packer
ACET154	8	Sash Chevron
ACET155	8	Sash Cleat
ACET160	4xW + 7xH	Flipper Gasket
ACET162	1 Pair	ETD048 End Caps
ACET200	8	Bridge Packer
ACET250	4 or 6	Hinge
ACET257	8	Guide Block
ACET285	1	Secondary Door Lock Kit
ACET292/3	1	Multi-Point Lock
ACVG31	2xW + 2xH	E Gasket
ACVG34	2xW + 2xH	Wedge Gasket
ACVL059	2 Pairs	VL72 End Cap
ACVL061	10	VL72 Rivet
WCA106	8	Sash Chevron



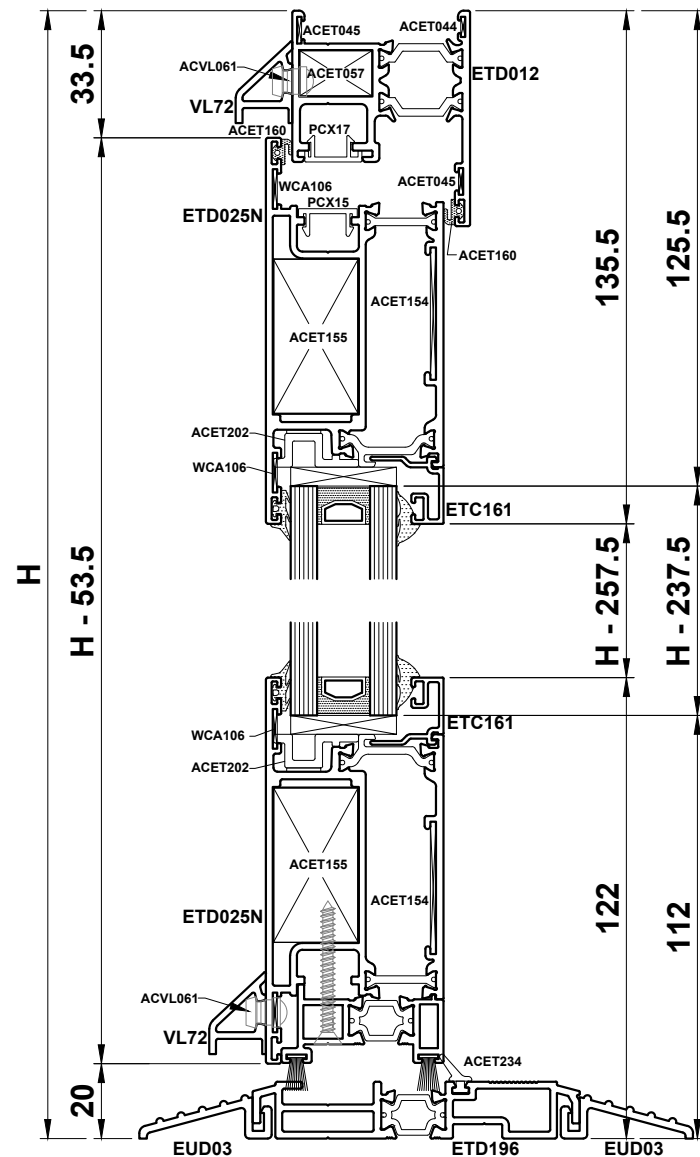
ACCESSORIES FOR MID RAIL

ACDR052	8	Screws
ACET131	4	Drainage Cap
ACET200	8	Bridge Packer
ACVG31	2xW	E Gasket
ACVG34	2xW	Wedge Gasket



Do Not Scale From This Drawing

Single Door with Low Threshold



PROFILE CUTTING SCHEDULE

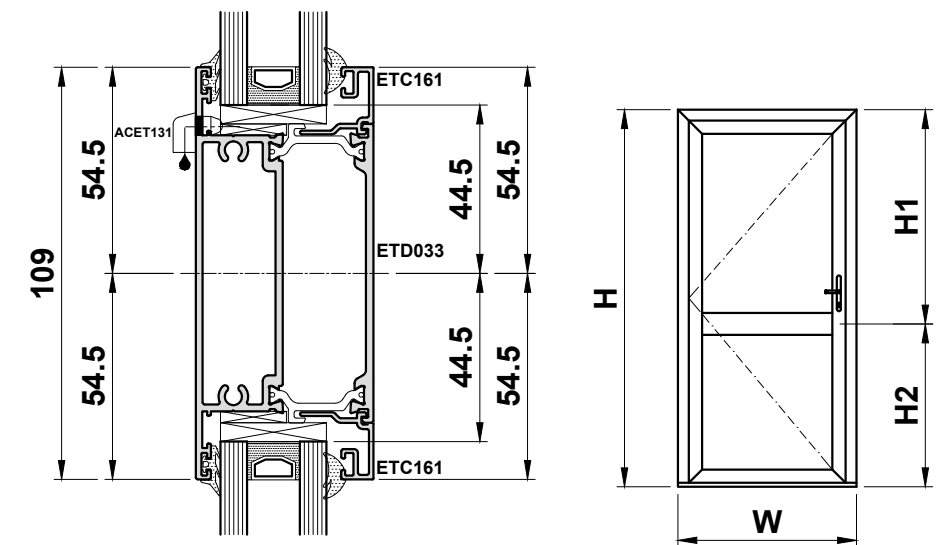
ETD012		2		H-15
ETD012		1		W
ETD025N		2		H-53.5
ETD025N		2		W-67
ETD196		1		W
ETD197		1		W-100
BEAD		2		H-257.5
BEAD		2		W-241
VL72		1		W-10
VL72		1		W - 79
EUD03		2		W
PCX15		2		H-90
PCX15		1		W-105
PCX17		2		H-55
PCX17		1		W-80

GLASS SIZES

WITHOUT MIDRAIL	W - 251	H - 237.5
ETD033	W - 251	H1 - 170
		H2 - 156.5

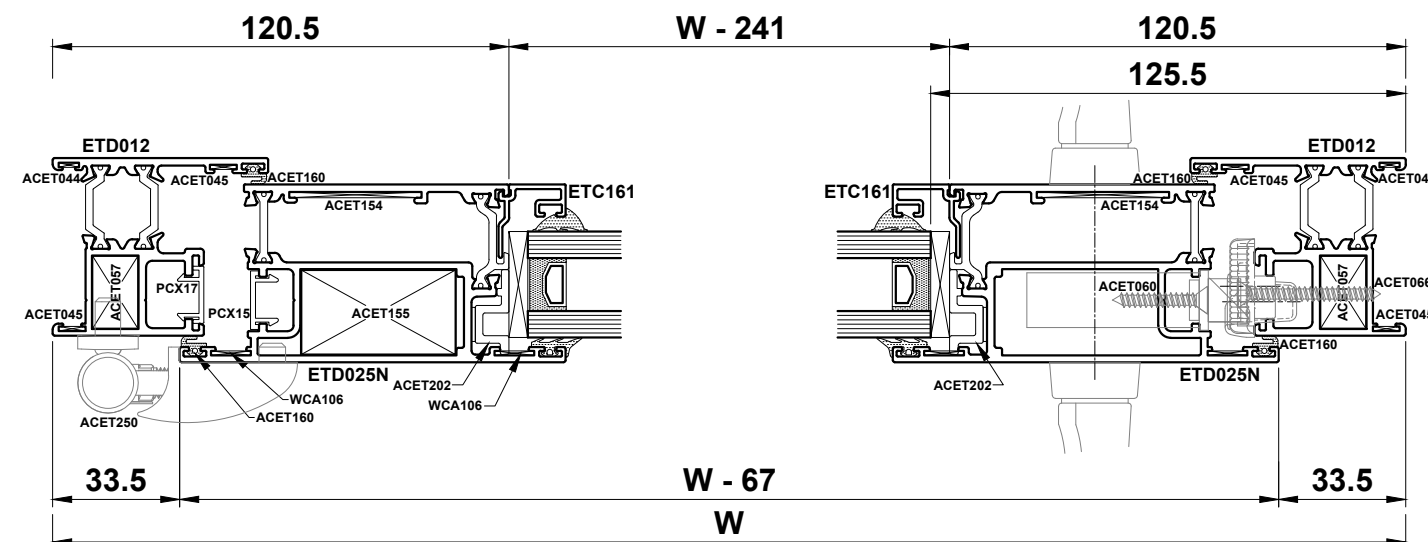
ACCESSORIES

ACCY3045	1	Cylinder
ACDV251	1 Pair	Lever/Lever Handle
ACET044	2	Chevron
ACET045	4	Chevron
ACET057	2	Outer Frame Cleat
ACET060	12	Lock & ACET257 Screws
ACET066	9	Keep Screws
ACET131	2	Drainage Cap
ACET234	1xW	Threshold Gasket
ACET154	4	Sash Chevron
ACET155	4	Sash Cleat
ACET160	2xW + 4xH	Flipper Gasket
ACET202	4	Bridge Packer
ACET250	2 or 3	Hinge
ACET257	2	Guide Block
ACET259	1 Pair	Threshold Bracket
ACET282/3	1	Multi-Point Lock
ACET291	1 Pair	ETD197 Woolpile Carriers
ACET390	4	ACET259 Screws
ACSH038	2xW	Woolpile
ACVG31	2xW + 2xH	E Gasket
ACVG34	2xW + 2xH	Wedge Gasket
ACVL059	1 Pair	VL72 End Cap
ACVL061	10	VL72 Rivet
WCA106	8	Sash Chevron

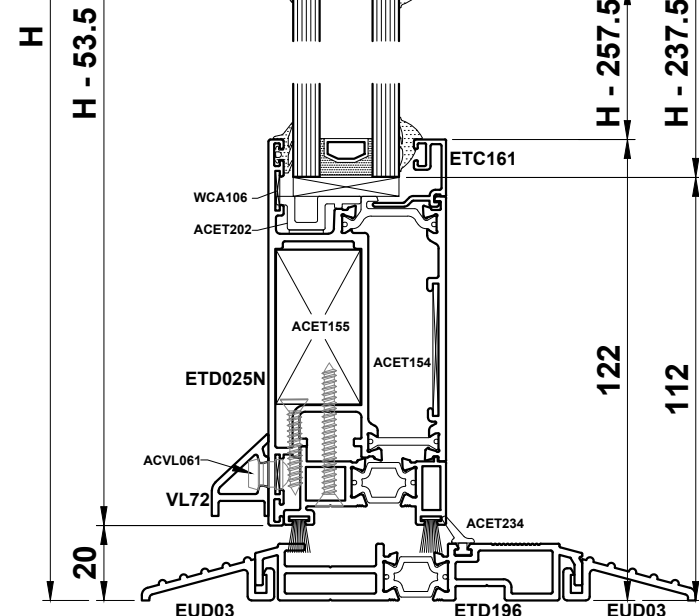


ACCESSORIES FOR MID RAIL

ACDR052	4	Screws
ACET131	2	Drainage Cap
ACVG31	2xW	E Gasket
ACVG34	2xW	Wedge Gasket



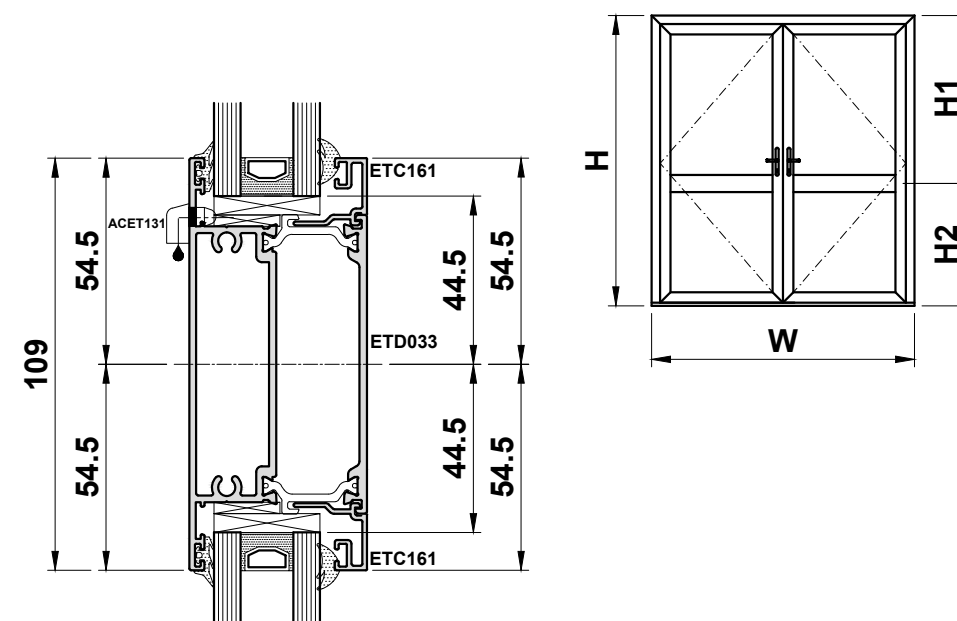
Do Not Scale From This Drawing



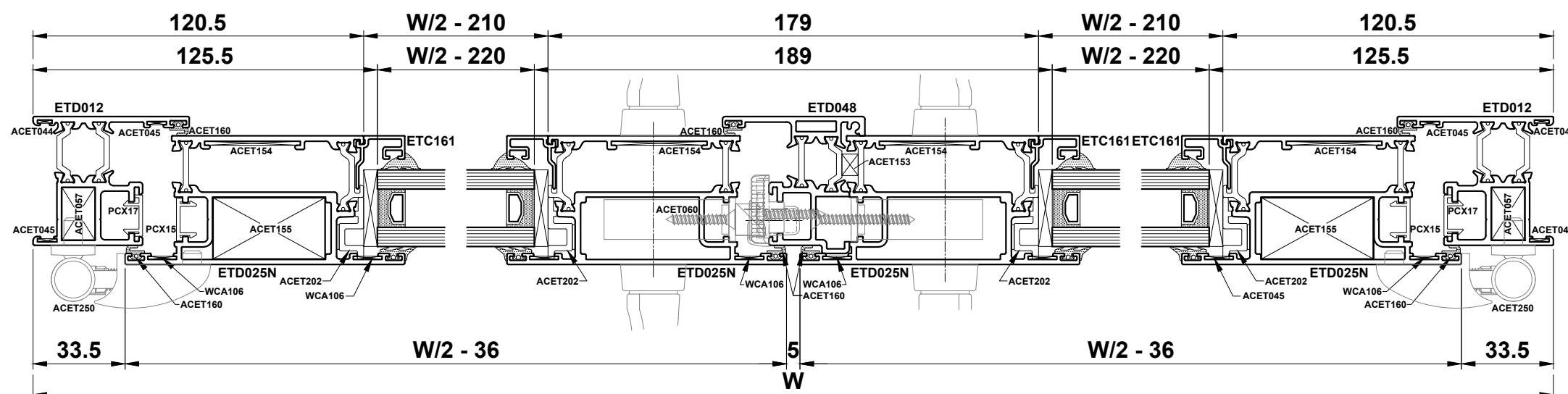
ETD012		2		H-15
ETD012		1		W
ETD025N		4		H-53.5
ETD025N		4		W/2-36
ETD048		1		H-77.5
ETD196		1		W
ETD197		1		W/2-75
ETD197		1		W/2-70
BEAD		4		H-257.5
BEAD		4		W/2-210
VL72		1		W-10
VL72		2		W/2-46
EUD03		2		W
PCX15		2		H-90
PCX15		1		W-105
PCX17		3		H-55
PCX17		1		W-80

WITHOUT MIDRAIL	W/2 - 220	H - 237.5
ETD030	W/2 - 220	H1 - 170
		H2 - 156.5

ACCY3045	1	Cylinder
ACDV251	2 Pairs	Lever/Lever Handle
ACDV737	1	Bottom Shoot Bolt
ACDV738	1	Top Shoot Bolt
ACET044	2	Chevron
ACET045	4	Chevron
ACET057	2	Outer Frame Cleat
ACET060	20	Lock & Keep Screws
ACET066	21	Lock & ETD197 Screws
ACET131	4	Drainage Cap
ACET153	at 300 ctrs	ETD048 Packer
ACET154	8	Sash Chevron
ACET155	8	Sash Cleat
ACET160	2xW + 7xH	Flipper Gasket
ACET162	1 Pair	ETD048 End Cap
ACET202	8	Bridge Packer
ACET234	1xW	Threshold Gasket
ACET250	4 or 6	Hinge
ACET257	4	Guide Blocks
ACET259	1 Pair	Threshold Bracket
ACET285	1	Secondary Door Lock Kit
ACET289	1 Pack	ETD048/ETD197 End Cap
ACET292/3	1	Multi-Point Lock
ACET291	1 Pair	ETD197 End Cap
ACET390	4	ACET259 Screws
ACSH038	2xW	Woolpile
ACVG31	2xW + 2xH	E Gasket
ACVG34	2xW + 2xH	Wedge Gasket
ACVL059	2 Pairs	VL72 End Cap
ACVL061	20	VL72 Rivet
WCA106	16	Sash Chevron

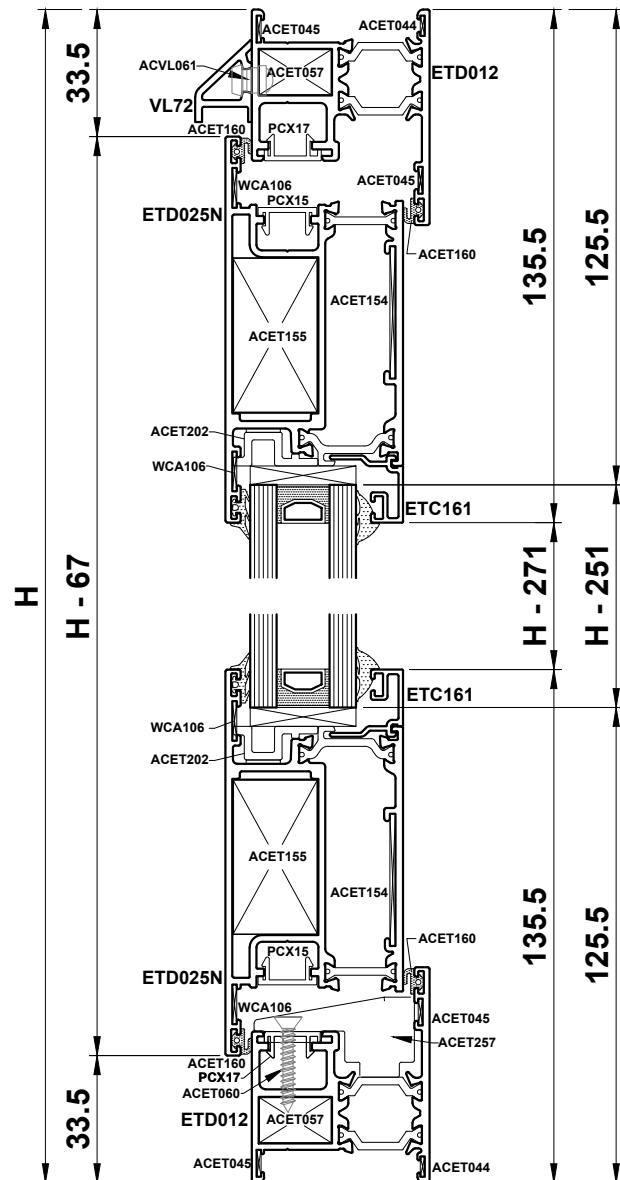


ACDR052	8	Screws
ACET131	4	Drainage Cap
ACVG31	2xW	E Gasket
ACVG34	2xW	Wedge Gasket



Do Not Scale From This Drawing

Single Door with Standard Threshold



PROFILE CUTTING SCHEDULE

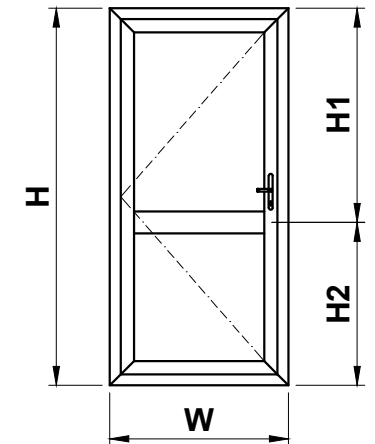
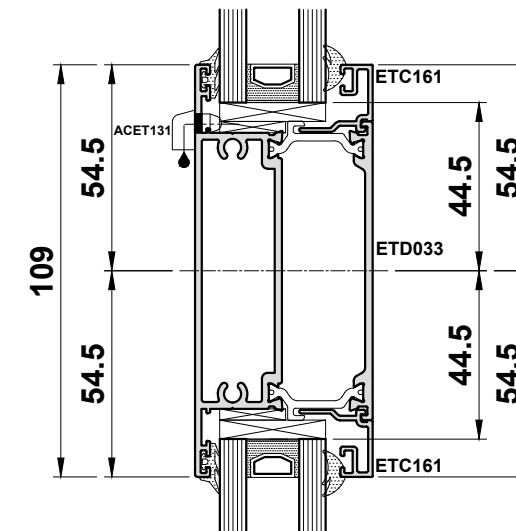
ETD012		2		H
ETD012		2		W
ETD025N		2		H-67
ETD025N		2		W-67
BEAD		2		H-271
BEAD		2		W-241
VL72		1		W-10
PCX15		2		H-105
PCX15		2		W-105
PCX17		2		H-80
PCX17		2		W-80

GLASS SIZES

WITHOUT MIDRAIL	W - 251	H - 251
ETD030	W - 251	H1 - 170 H2 - 170

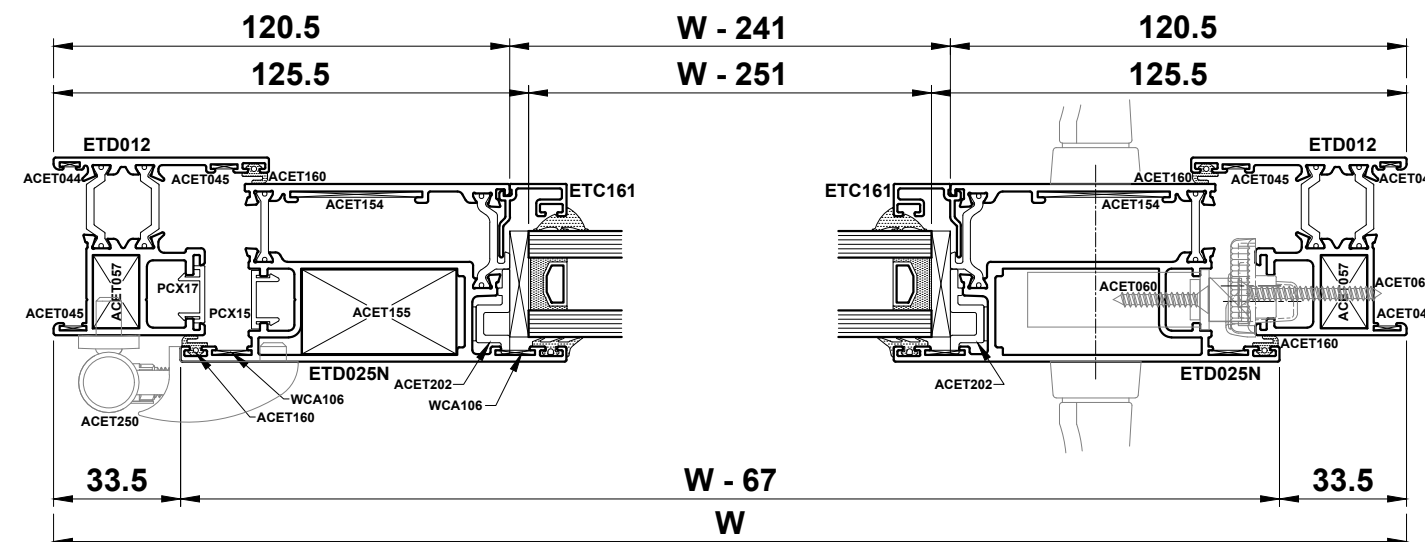
ACCESSORIES

ACCY3045	1	Cylinder
ACDV251	1 Pair	Lever/Lever Handle
ACET044	4	Chevron
ACET045	8	Chevron
ACET057	4	Outer Frame Cleat
ACET060	14	Lock & ACET257 Screws
ACET066	9	Keep Screws
ACET131	2	Drainage Cap
ACET154	4	Sash Chevron
ACET155	4	Sash Cleat
ACET160	4xW + 4xH	Flipper Gasket
ACET202	4	Bridge Packer
ACET250	2 or 3	Hinge
ACET257	4	Guide Block
ACET282/3	1	Multi-Point Lock
ACVG31	2xW + 2xH	E Gasket
ACVG34	2xW + 2xH	Wedge Gasket
ACVL059	1 Pair	VL72 End Cap
ACVL061	5	VL72 Rivet
WCA106	8	Sash Chevron



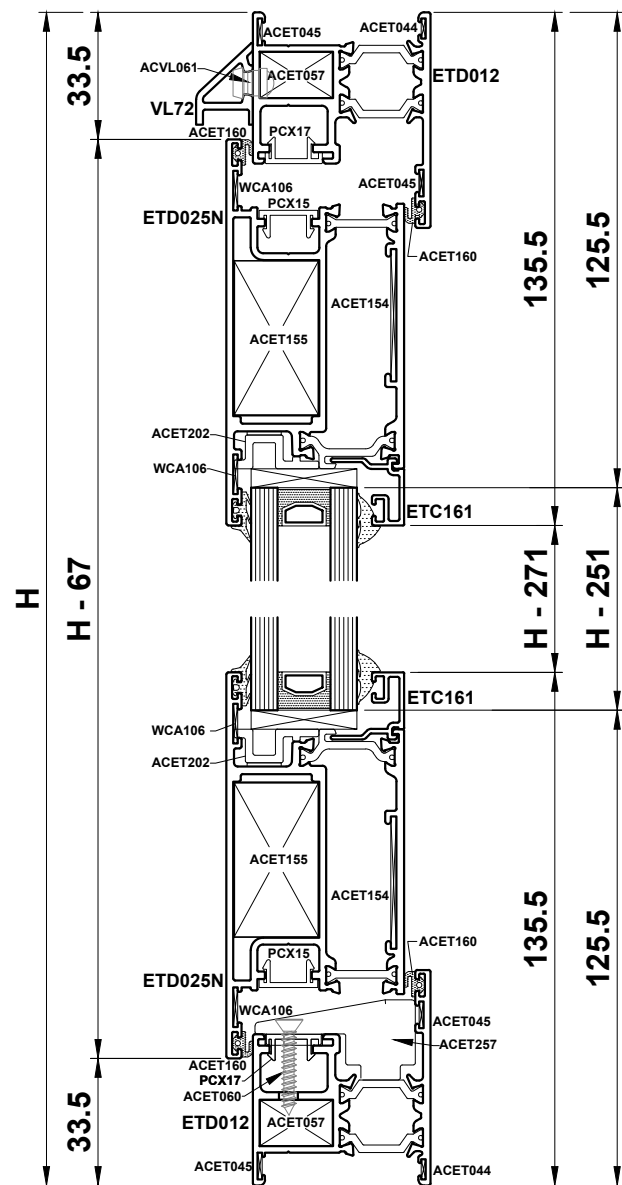
ACCESSORIES FOR MID RAIL

ACDR052	4	Screws
ACET131	2	Drainage Cap
ACVG31	2xW	E Gasket
ACVG34	2xW	Wedge Gasket



Do Not Scale From This Drawing

Double Door with Standard Threshold



PROFILE CUTTING SCHEDULE

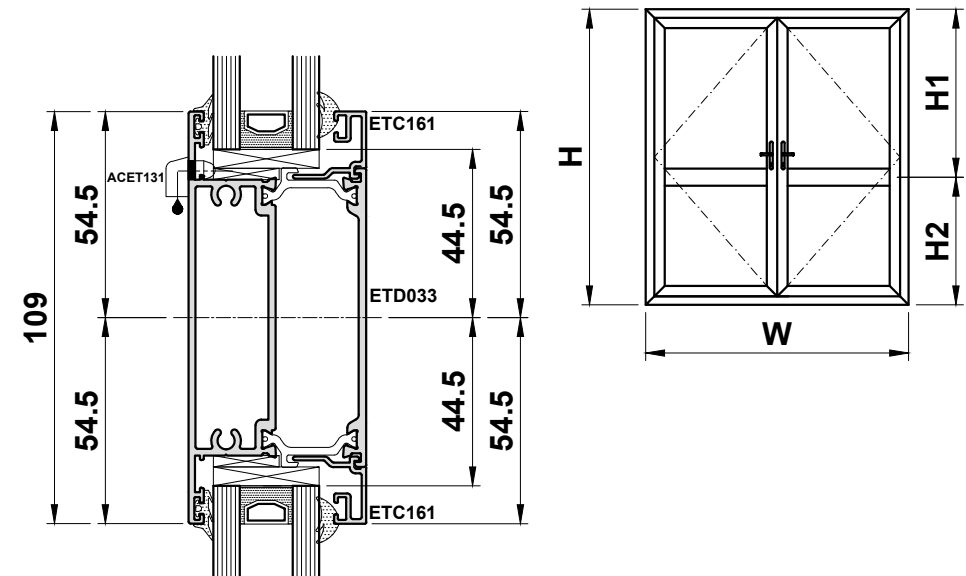
ETD012		2		H
ETD012		2		W
ETD025N		4		H-67
ETD025N		4		W/2-36
ETD048		1		H - 106
BEAD		4		H-271
BEAD		4		W/2-210
VL72		1		W-10
PCX15		4		H-105
PCX15		4		W/2-73.5
PCX17		3		H-80
PCX17		2		W-80

GLASS SIZES

WITHOUT MIDRAIL	W/2 - 220	H - 251
ETD030	W/2 - 220	H1 - 170
		H2 - 170

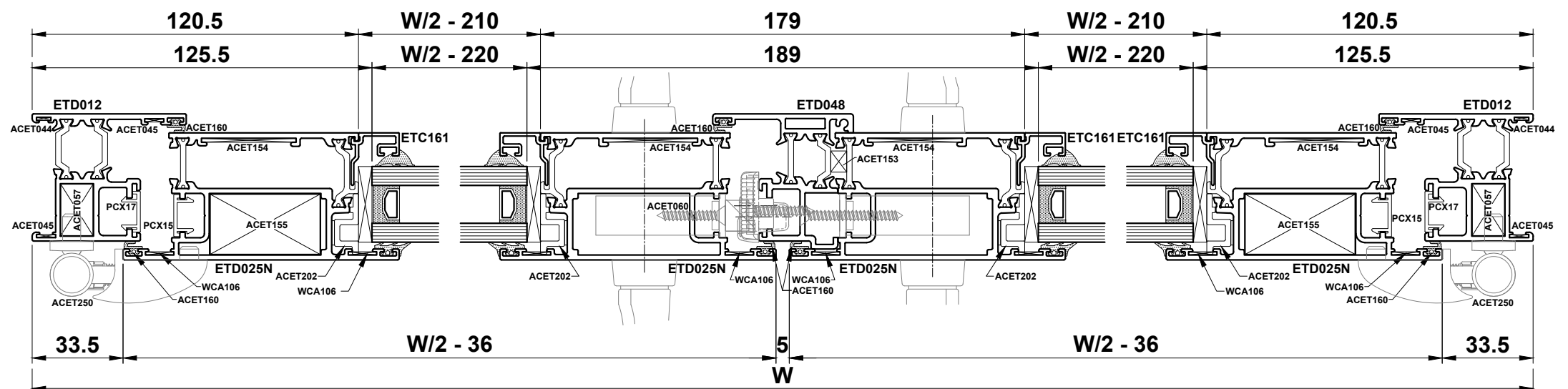
ACCESSORIES

ACCY3045	2	Cylinder
ACDV251	2 Pairs	Lever/Lever Handle
ACDV737	1	Bottom Shoot Bolt
ACDV738	1	Top Shoot Bolt
ACET044	4	Chevron
ACET045	8	Chevron
ACET057	4	Outer Frame Cleat
ACET060	20	Lock & Keep Screws
ACET066	11	Secondary Lock Screws
ACET131	4	Drainage Cap
ACET153	at 300 ctrs	ETD048 Packer
ACET154	8	Sash Chevron
ACET155	8	Sash Cleat
ACET160	4xW + 7xH	Flipper Gasket
ACET162	1 Pair	ETD048 End Cap
ACET202	8	Bridge Packer
ACET250	4 or 6	Hinge
ACET257	8	Guide Blocks
ACET285	1	Secondary Door Lock Kit
ACET292/3	1	Multi-Point Lock
ACVG31	2xW + 2xH	E Gasket
ACVG34	2xW + 2xH	Wedge Gasket
ACVL061	10	VL72 Rivet
WCA106	16	Sash Chevron



ACCESSORIES FOR MID RAIL

ACDR052	8	Screws
ACET131	4	Drainage Cap
ACVG31	2xW	E Gasket
ACVG34	2xW	Wedge Gasket



Do Not Scale From This Drawing

**Introducing ACET276 (L) & ACET277 (R) Multi Point Lock Kit with Full Height Keep
along with ACET271 & ACET275 Split Spindles for Open In and Open Out Doors.**

Image	Part Code	Pack	Unit
	ACET276 & ACET277 Multi Point Lock Kit with Left & Right Hand Centre Keep ACET276 Viewed Externally Left Hand Open Out Right Hand Open In ACET277 Viewed Externally Left Hand Open In Right Hand Open Out	1	each

The preparation methods of ACET276 & ACET277 are the same as ACET282 & ACET283.

How it works

Externally the door is locked by lifting the handle to engage the multi-point locking and turning the key to throw the deadbolt. Access from outside requires the key to retract the deadbolt and latch. Internally the latch is retracted using the key or the handle.

Image	Part Code	Pack	Unit	Application
	ACET271 Open Out Split Spindle Kit 1 x 51mm Spindle - Inside 1 x 48mm Spindle - Outside	1	each	ACET480 ACET486 ACET487 ACET488
	ACET275 Open In Split Spindle Kit 1 x 55mm Spindle - Outside 1 x 45mm Spindle - Inside	1	each	ACET480 ACET486 ACET487 ACET488

ACET271 & ACET275 Spindle Deductions (mm)				
Handle	ACET275 Open In Inside (45mm)	ACET275 Open In Outside (55mm)	ACET271 Open Out Inside (51mm)	ACET271 Open Out Outside (48mm)
ACET480	5	1	0	6
ACET486	3	0	0	8
ACET487	3	0	0	8
ACET488	3	0	0	8

