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Specification

GENERAL DESCRIPTION

Smart Wall is a thermally broken shop front screen and door system suitable for all types of ground floor treatment where enhanced thermal performance is required.

Smart Wall has been successfully tested to LPS 1175 level 2 and BS ENV 1627 level 3 for enhanced security performance making the door one of the best performing fully thermally broken screen & entrance doors available in the UK.

The screen work in this manual concentrates on shuffle glazed sections for 28mm units.

All profiles feature polyamide barriers to maximise thermal performance and can be internally or externally glazed.

Unlike non-thermal alternatives, Smart Wall is available in dual colour from an extensive range of standard and non-standard finishes.

Smart Wall complies with the latest requirements (October 2011) of Document L for thermal transmittance.

RECOMMENDED DESIGN LIMITATIONS

Manual Centre Pivot Doors:

Maximum Width: 1150mm
Minimum Width: 400mm
Maximum Height: 2500mm
Maximum Weight: 80kg

Manual Hinged Doors:

Maximum Width: 1100mm
Minimum Width: 400mm
Maximum Height: 2500mm
Maximum Weight: 100kg (with 3 hinges)
Note: See page C30 for more information on limitations

Auto Doors:

See supplier of auto mechanism for design limitations.

Screens:

All screen work must meet the requirements of the site location. If there is any doubt regarding suitability, please contact our technical department Tel: 01934 876100

Specification

PROFILE SPECIFICATION

The system is constructed of aluminium alloy extrusion to BS EN 755-9 and BS EN 12020, extruded from 6060 T6 alloy. The internal and external extrusions are separated with a polyamide thermal break.

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

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

GENERAL MANUFACTURING

Screens & doors are made by cutting the frame profiles with accurate 90° square ends using Tungsten Carbide Tipped Saw Blades, operating at approximately 3000 rpm. Cut ends shall be degreased prior to fabrication.

The doors are joined using aluminium cleats in the stiles which are secured in position by tightening a grub screw until it punches through the aluminium. The rails are then pre-drilled using a drill jig and positioned over the cleat and tightened using the fixing supplied. ACSIL013 cleat glue provides additional strength for larger doors.

For screens, the ends of transoms and mullions are square cut and fixed using self-tapping screws. Small gap sealant is optional, but is recommended on exposed screens, or where zone drainage is used.

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

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

Specification

DRAINAGE

As with all dry glazed systems, it is recommended that the 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 above doors & on the bottom rail above the threshold .

SCREEN MANUFACTURING INFORMATION

The screen members are cut with 90° ends to the overall size required.

The mullions should be marked in pairs to ensure accurate alignment for the head, cill & transom sections.

Using the marked centre line, drill the transom/mullion fixing holes using a 5.5mm dia. drill bit.

Prior to fixing of transoms to mullions, a suitable gap sealer may be used on the ends. After fixing, special care should be taken to ensure any excess is cleared from painted surfaces.

DOORS

The door section are cut with 90° ends to the overall size required.

The doors are joined using aluminium cleats in the stiles which are secured in position by tightening a grub screw until it punches through the aluminium. The rails are then pre-drilled using a drill jig and positioned over the cleat and tightened using the fixing supplied. ACSIL013 cleat glue provides additional strength for larger doors.

IMP032 mid rail is fixed into position using two brackets per join which require self tapping screws to hold in position.

DOOR FITTINGS

Smart Wall offers a wide range of door fittings to suit most applications. If your particular requirements are not shown in this manual, please contact our technical department for more information.

Specification

GLAZING

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

Doors are intended to be internally glazed. Screens are shown in this manual as externally glazed, but may be reversed if necessary, providing drainage is considered.

Smart Wall Screen Weather Performance (BS6375)

BS EN 1026: 2000 Air Permeability:	Class 4 600Pa
BS EN 1027: 2000 Watertightness:	Class 9A 600Pa
BS EN 12211: 2000 Resistance to Wind Load:	Class A4 1600Pa

Smart Wall Rebated Anti Finger Trap Weather Performance (BS6375)

BS EN 1026: 2000 Air Permeability:	Class 2 300Pa
BS EN 1027: 2000 Watertightness:	Class 7A 150Pa
BS EN 12211: 2000 Resistance to Wind Load:	Class A5 2000Pa

Smart Wall U Values

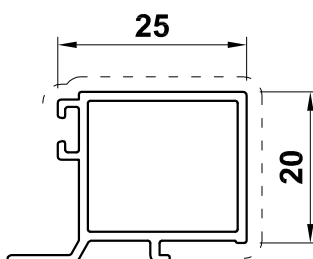
Contact The Technical Department

Specification

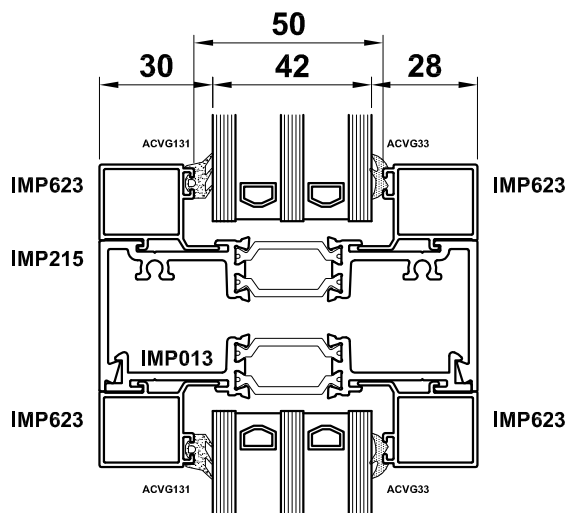
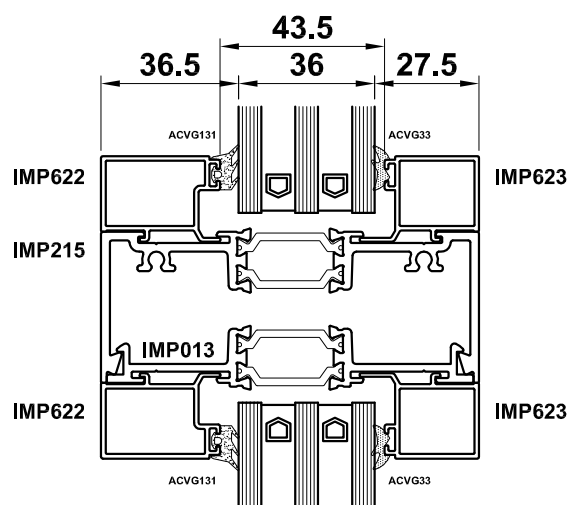
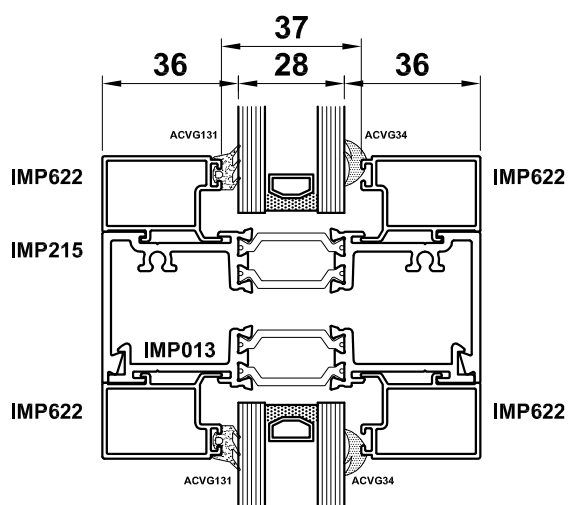
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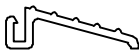
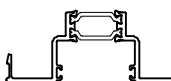
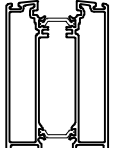
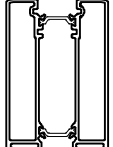
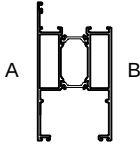
IMP623: New 42mm glazing bead for Smart Wall

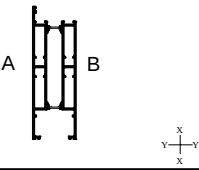
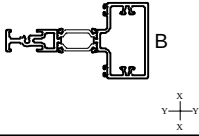
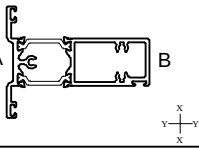
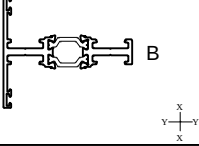
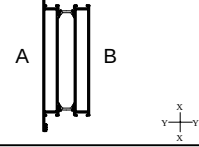
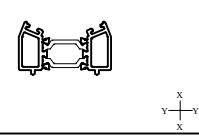
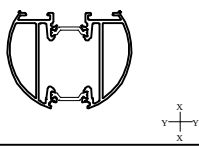
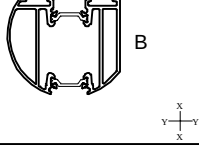
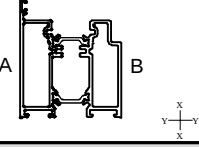
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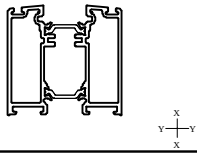
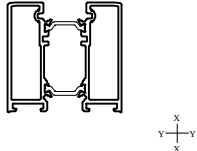
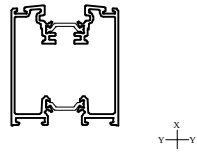
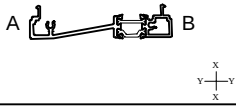
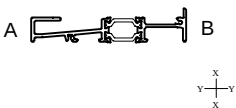
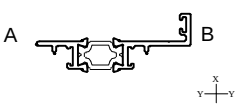
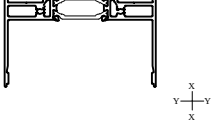
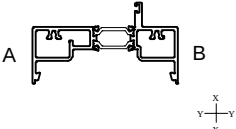
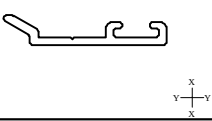


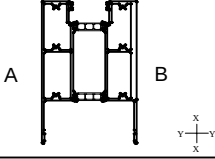
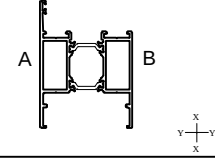
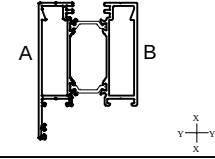
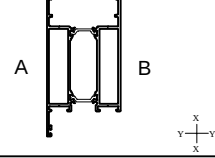
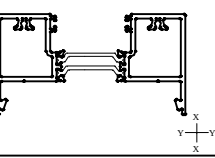
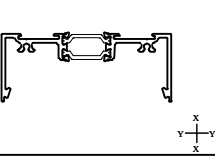
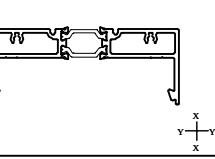
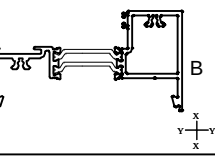
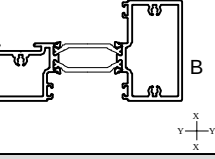
IMP623
42mm Bead for
IMP215 & IMP013



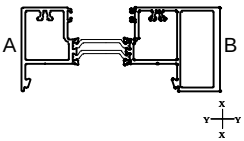
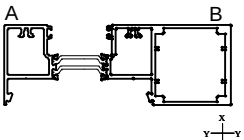
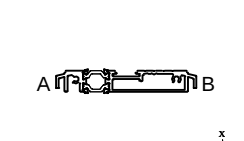
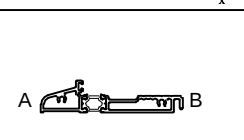
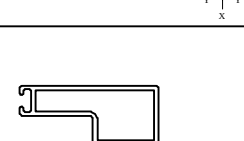
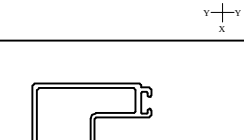
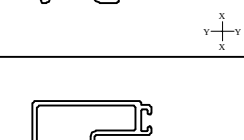
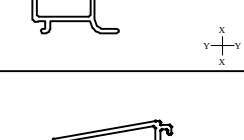
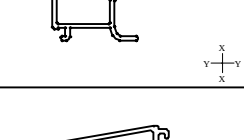
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IMP027	 	A27	712	228	60.8 ----- 17.8	90.6 ----- 15.1	6.5	1	✓	✓	✓	✓	✓
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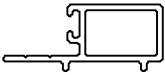
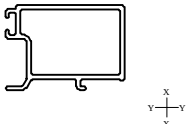
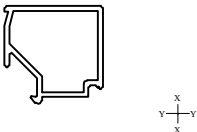
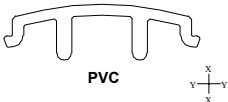
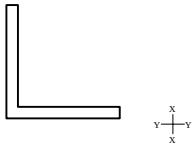
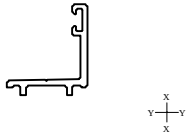
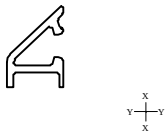
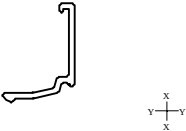
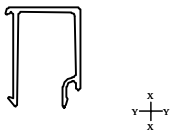
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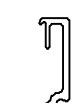
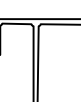
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IMP041		A25	765	217	47.16 ----- 14.08	55.14 ----- 15.27	6.5	1	✓	✓	✓	✓	✓
IMP056		A17	385	28	53.67 ----- 10.67	1.47 ----- 1.79	6.5	1	✓	✓	✓	✓	✓
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IMP058		A18	224	87	5.35 ----- 0.40	1.69 ----- 0.42	6.5	1	✓	✓	✓	✓	✓
IMP110		A21	458	129	98.1 ----- 19.76	16.12 ----- 9.26	6.5	1	✓	✓	✓	✓	✓
IMP111		A32	406	166	91.26 ----- 27.16	10.5 ----- 4.84	6.5	1	✓	✓	✓	✓	✓
IMP114		A33	74	52	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
					A = Outside B = Inside		GOZ = Gold W = White Z = Black		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
IMP115		A33	820	362	322.06 ----- 35.68	307.80 ----- 73.06	4.2	1	✓	✓	✓	✓	✓
IMP120		A27	522	165	44.2 ----- 12.8	30.9 ----- 7.3	6.5	1	✓	✓	✓	✓	✓
IMP121		A28	538	207	46.01 ----- 13.41	50.55 ----- 14.37	6.5	1	✓	✓	✓	✓	✓
IMP122		A28	650	234	58.88 ----- 17.28	91.43 ----- 15.66	6.5	1	✓	✓	✓	✓	✓
IMP210		A15	435	174	109.04 ----- 21.81	18.43 ----- 8.75	6.5	1	✓	✓	✓	✓	✓
IMP215		A20	495	106	75.5 ----- 15.1	6.5 ----- 5.3	6.5	1	✓	✓	✓	✓	✓
IMP216		A36	389	169	82.64 ----- 16.53	7.19 ----- 5.70	6.5	1	✓	✓	✓	✓	✓
IMP217		A17	453	123	85.03 ----- 14.67	12.29 ----- 5.04	6.5	1	✓	✓	✓	✓	✓
IMP219		A18	409	181	90.12 ----- 16.3	20.49 ----- 9.35	6.5	1	✓	✓	✓	✓	✓
					A = Outside B = Inside			GOZ = Gold W = White Z = Black		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
IMP250		A19	598	198	154.8 ----- 27.5	154.8 ----- 28.5	6.5	1	✓	✓	✓	✓	✓
IMP260		A36	115	29	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
IMP261		A36	58	22	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
IMP262		A36	123	68	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
IMP263		A36	338	158	75.5 ----- 15.1	6.5 ----- 5.3	6.5	1	✓	✓	✓	✓	✓
IMP265		A37	304	83	75.5 ----- 15.1	6.5 ----- 5.3	6.5	1	✓	✓	✓	✓	✓
IMP269		A37	340	101	27.49 ----- 5.57	0.66 ----- 1.02	6.5	1	✓	✓	✓	✓	✓
IMP300		A25	-	-	- ----- -	- ----- -	6.5	1	✓				
IMP301		A15	-	-	- ----- -	- ----- -	6.5	1	✓				
					A = Outside B = Inside		GOZ = Gold W = White Z = Black		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
IMP310		A16	484	218	216.5 ----- 37.4	30.3 ----- 19.4	6.5	1	✓	✓	✓	✓	✓
IMP410		A16	534	268	341.4 ----- 58.9	42.0 ----- 26.9	6.5	1	✓	✓	✓	✓	✓
IMP411		A31	354	129	- ----- -	- ----- -	6.5	1	✓	✓			
IMP412		A32	302	122	- ----- -	- ----- -	6.5	1	✓	✓			
IMP611		A20	138	55	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
IMP613		A34	135	53	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
IMP614		A34	142	58	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
IMP615		A34	128	47	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
IMP616		A34	136	51	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
					A = Outside B = Inside		GOZ = Gold W = White Z = Black		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
IMP620		A22	111	32	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
IMP622		A22	134	53	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
IP564		A35	111	48	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
PCX40	 PVC	A23	85	25	- ----- -	- ----- -	6.5	1	✓				
UTL039		A34	60	60	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VG12		A34	110	29	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VL72		A34	101	54	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VL61/ GL004		A35	92	29	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VL63/ GL020		A35	153	44	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
					A = Outside B = Inside		GOZ = Gold W = White Z = Black		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				

Number	Picture	Page	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
VL561/ GL512	 	A35	91	36	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VL562/ GL516	 	A35	90	39	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VL610/ GL008	 	A35	109	30	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VL612/ GL014	 	A35	121	36	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VL630/ GL023	 	A35	160	48	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
VL640/ GL030	 	A35	188	52	- ----- -	- ----- -	6.5	1	✓	✓	✓	✓	
						A = Outside B = Inside	GOZ = Gold W = White Z = Black	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour					

Primary Visible Side

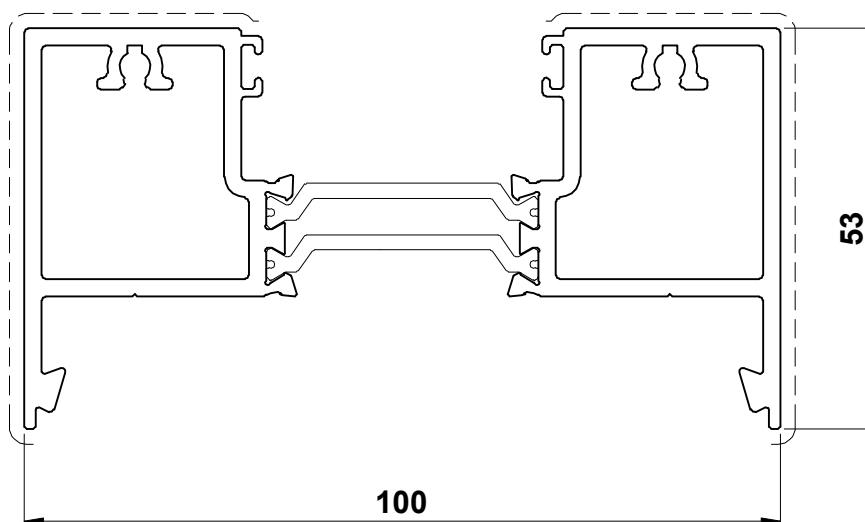
Secondary Visible Side

Screen Sections

Not in numerical order

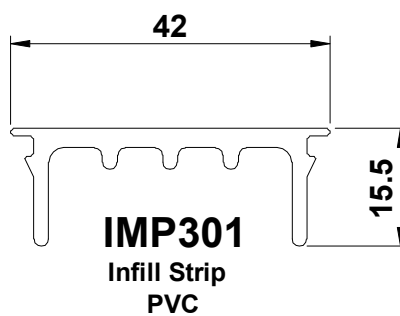
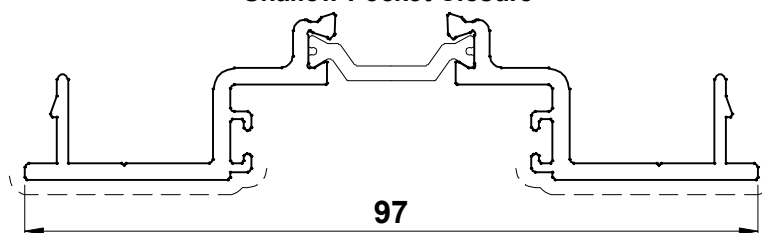
IMP210

Pocket Glazing Mullion/Head



IMP016

Shallow Pocket Closure



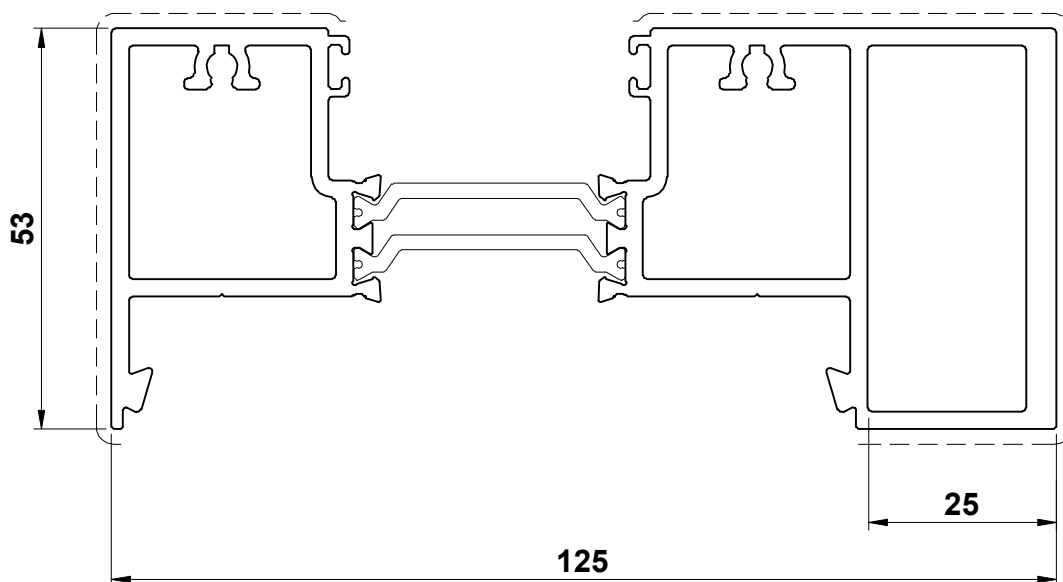
Scale 1:1

Primary Visible Side

Secondary Visible Side

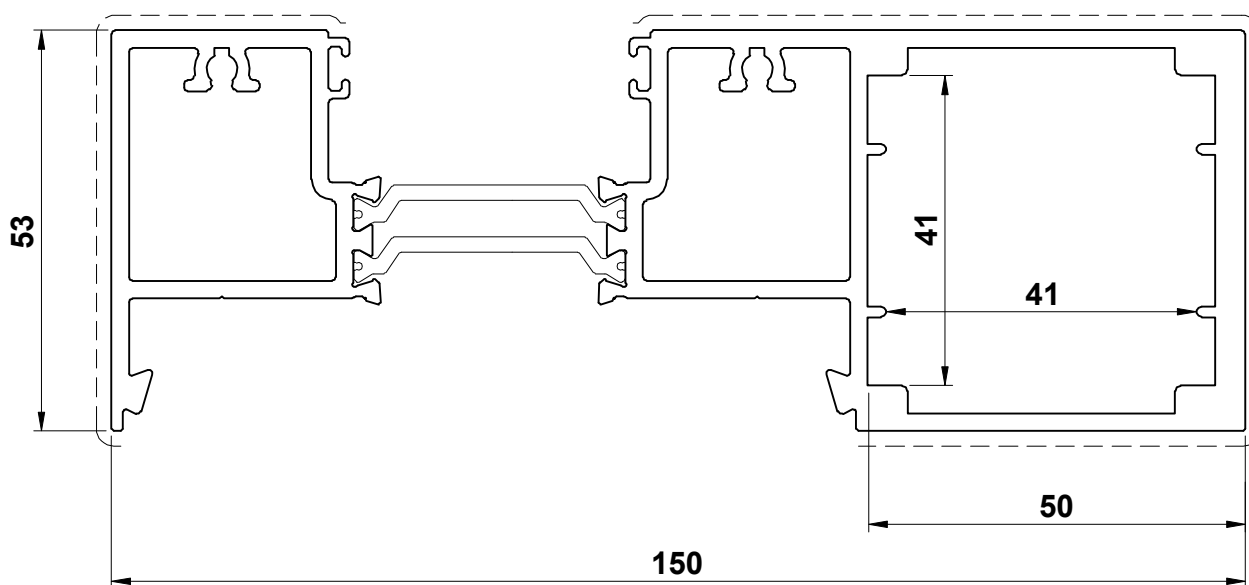
IMP310

125mm Pocket Glazing Mullion



IMP410

150mm Pocket Glazing Mullion



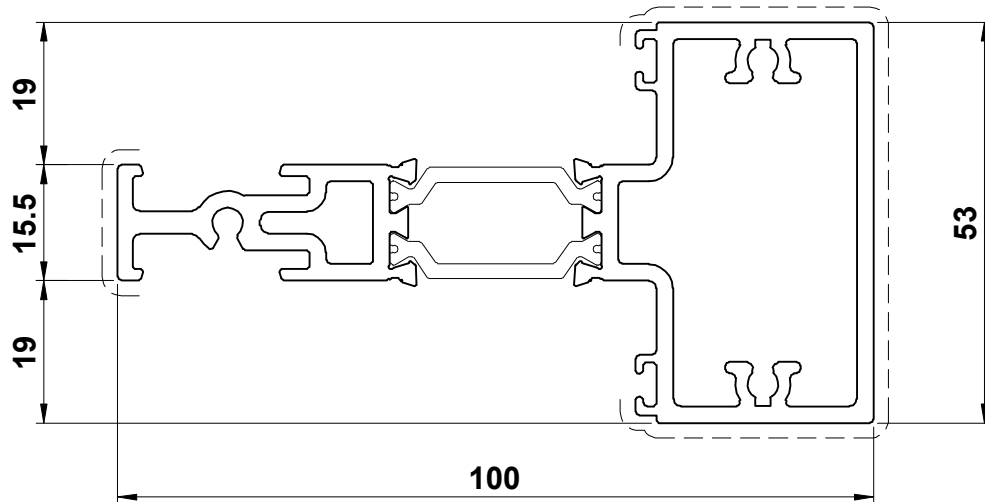
Scale 1:1

Primary Visible Side

Secondary Visible Side

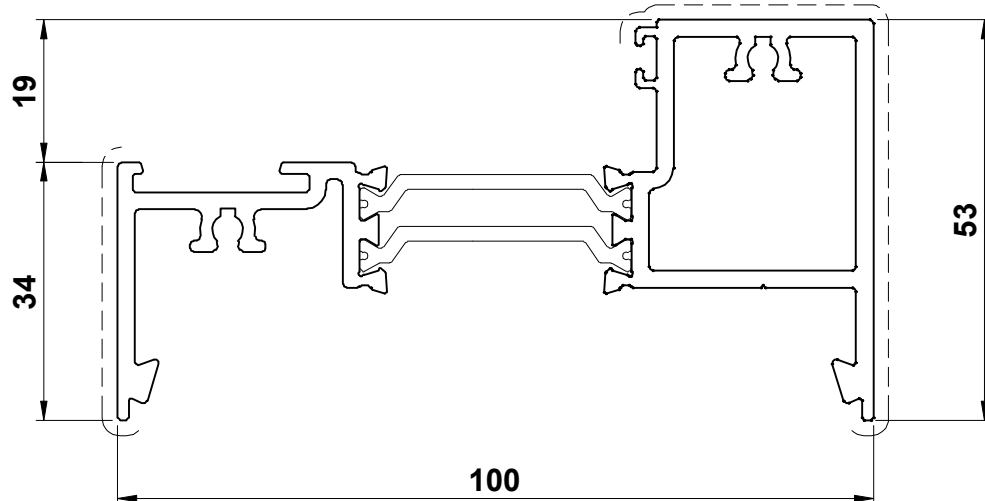
IMP030

Beaded Screen Transom



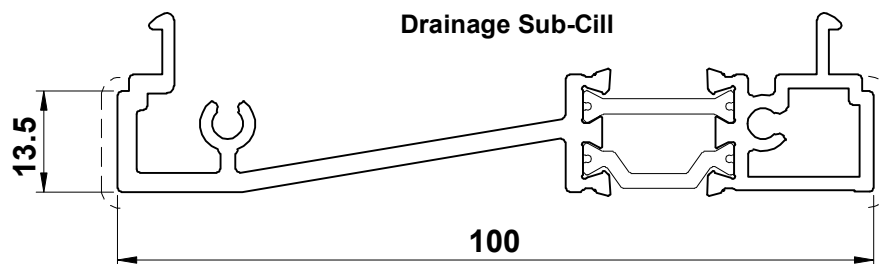
IMP217

Bead/Pocket Glazed Transom



IMP056

Drainage Sub-Cill



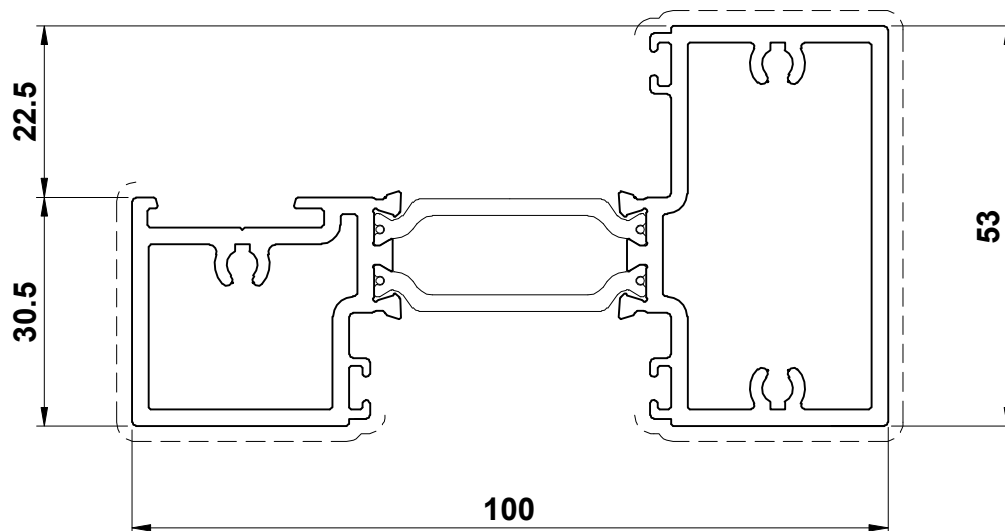
Scale 1:1

Primary Visible Side

Secondary Visible Side

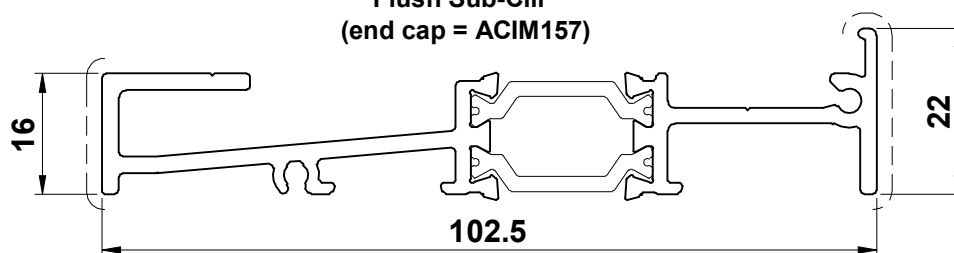
IMP219

Bead/Pocket Glazed Transom



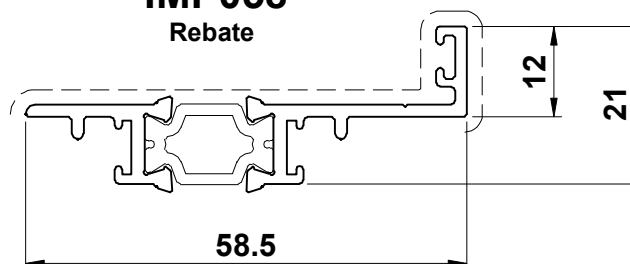
IMP057

Flush Sub-Cill
(end cap = ACIM157)



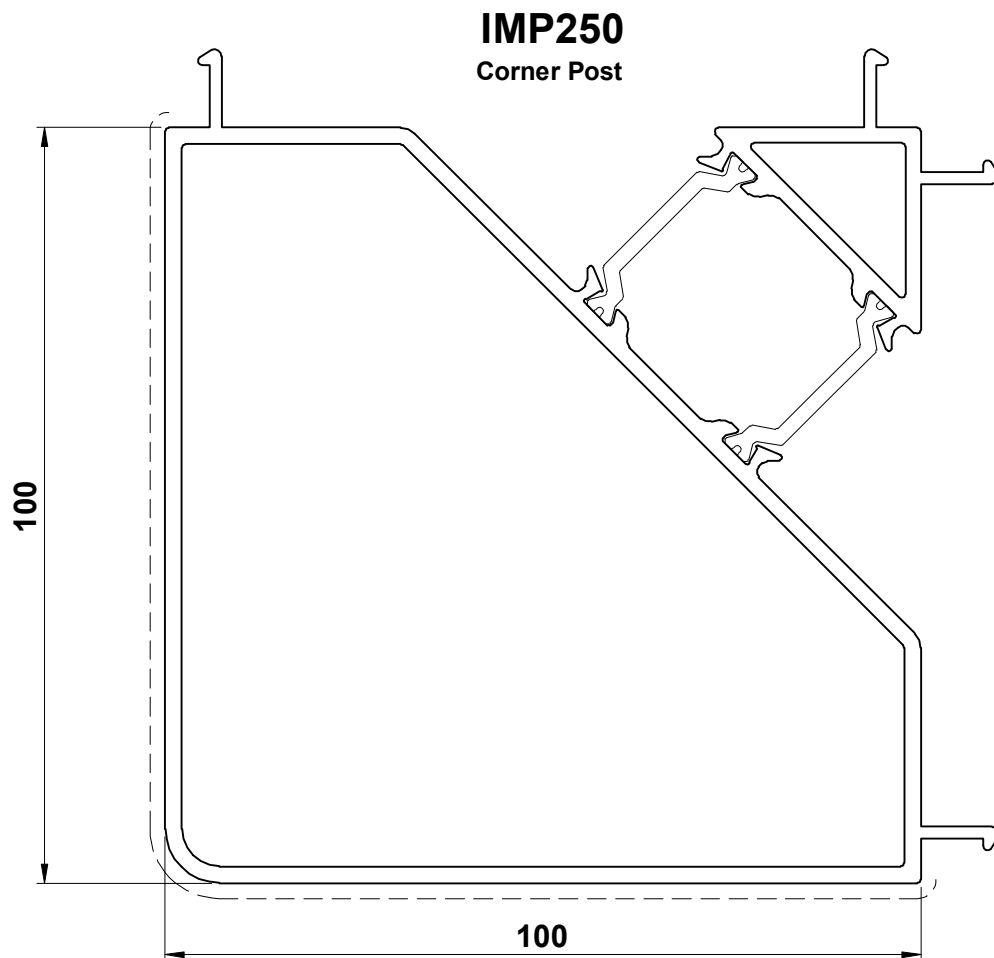
IMP058

Rebate



Primary Visible Side

Secondary Visible Side



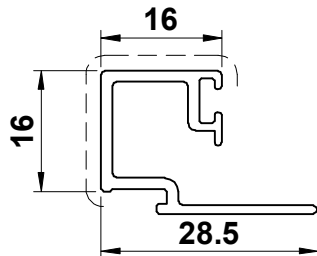
Scale 1:1

Primary Visible Side

Secondary Visible Side

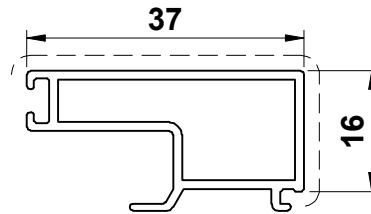
Beaded Screen Sections

To be used together
Not in numerical order



IMP014

Screw on Rebated Leg

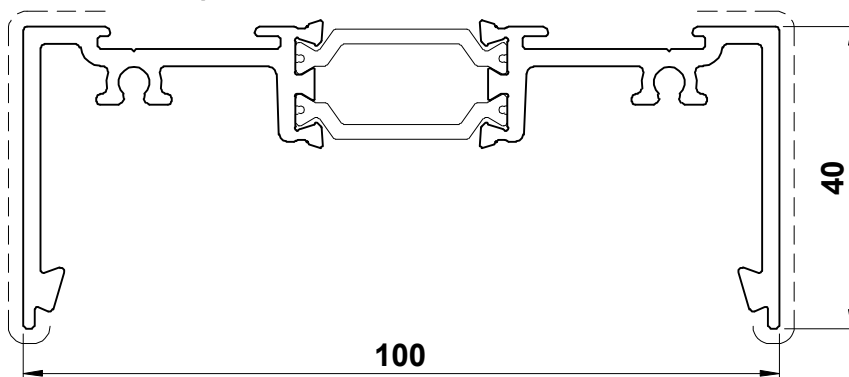


IMP611

28mm Glazing Bead

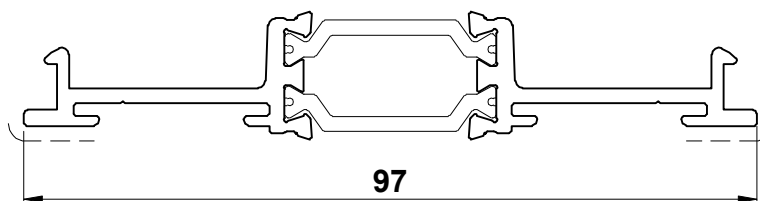
IMP215

Open Back Double Beaded Mullion



IMP013

Double Beaded Pocket Closure



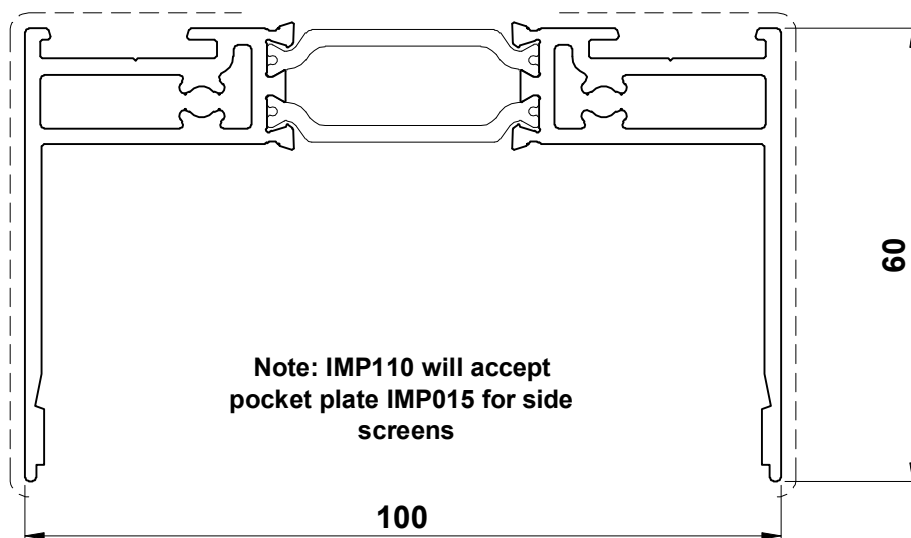
Scale 1:1

Primary Visible Side

Secondary Visible Side

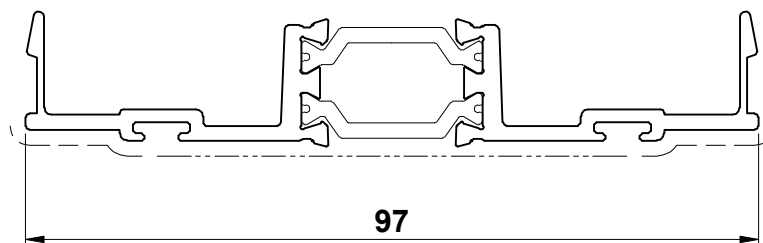
IMP110

Overhead Transom with screwports



IMP011

Overhead Closure Box



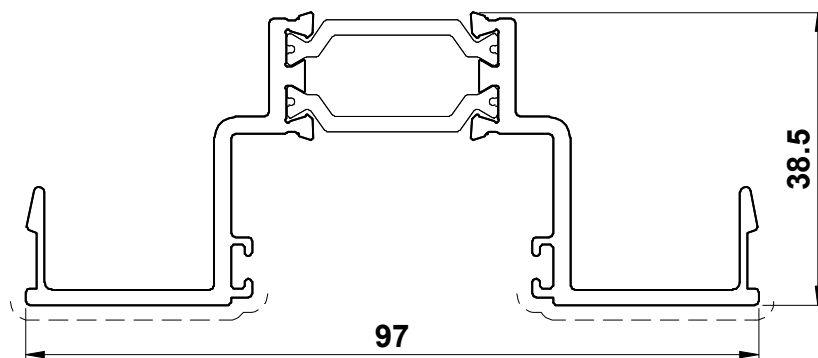
Scale 1:1

Primary Visible Side

Secondary Visible Side

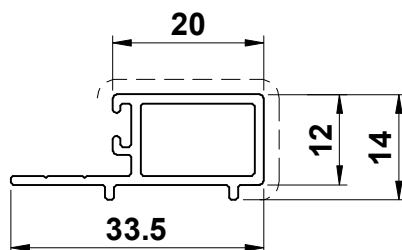
IMP015

Pocket Glazing Clip Plate



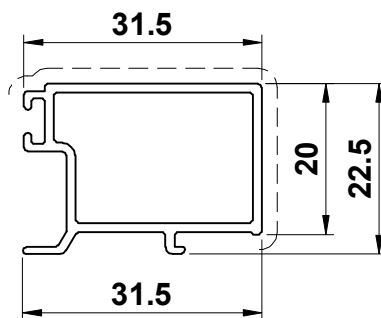
IMP620

Rebate Bead



IMP622

28mm Bead for IMP215



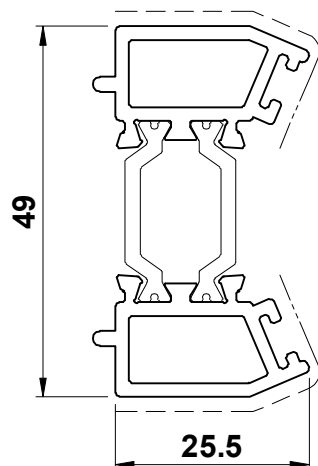
Primary Visible Side

Secondary Visible Side

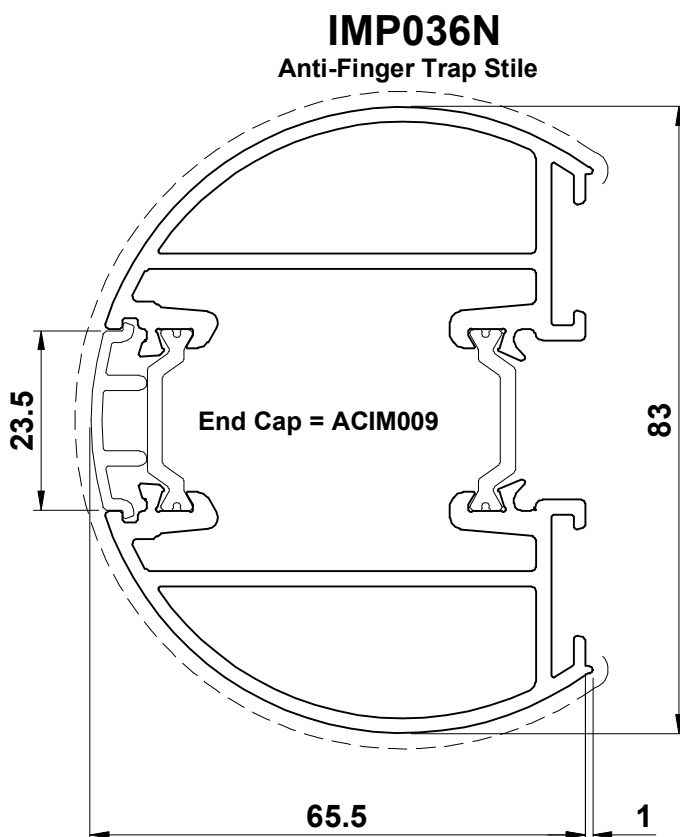
Door Sections

Not in numerical order

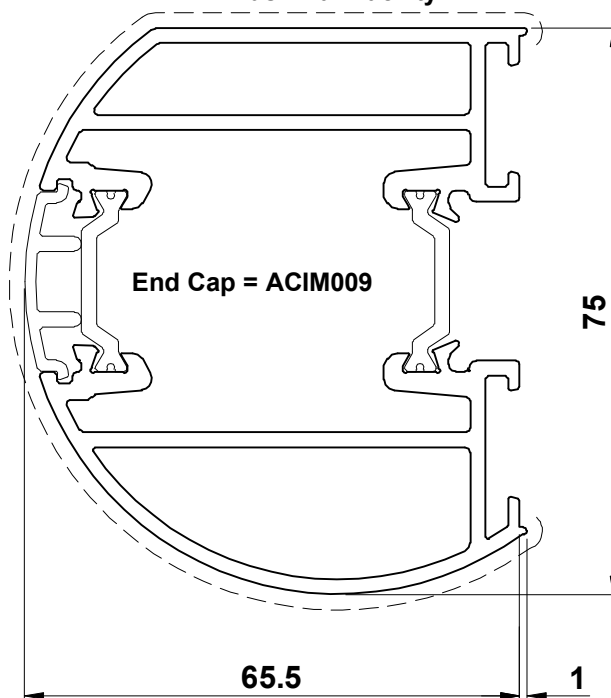
IMP035
Anti-Finger Trap Adapter



PCX40
Anti-Finger Infill



IMP037N
Anti-Finger Trap with
Push Bar Facility



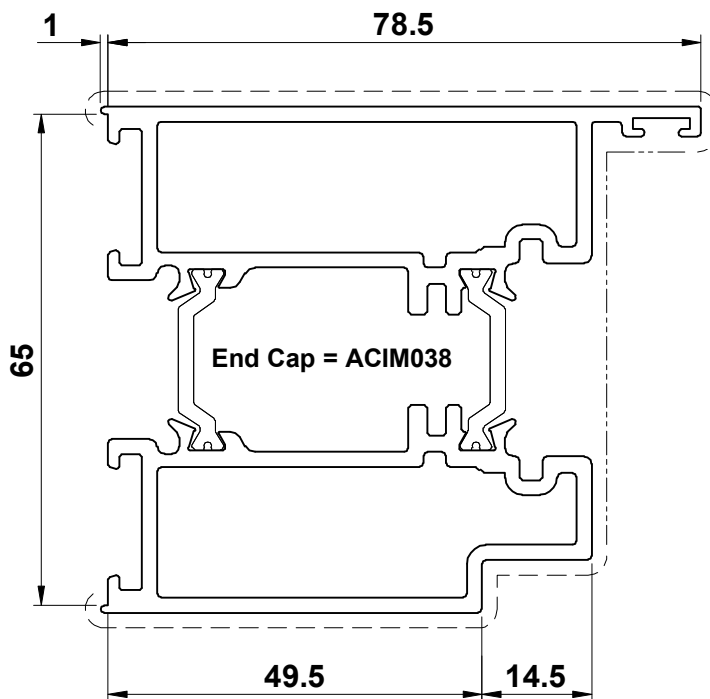
Scale 1:1

Primary Visible Side

Secondary Visible Side

IMP038

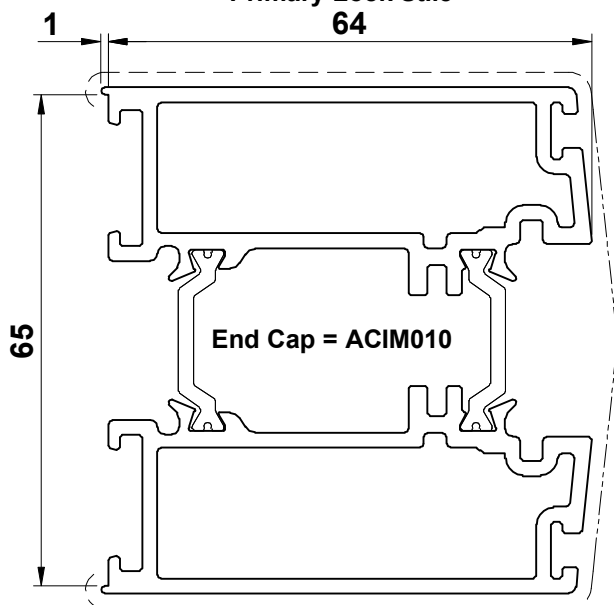
Rebated Lock Stile



IMP039

Primary Lock Stile

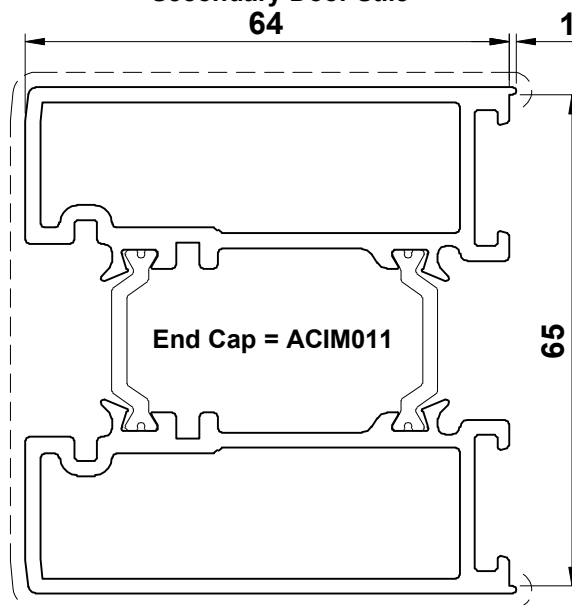
64



IMP040

Secondary Door Stile

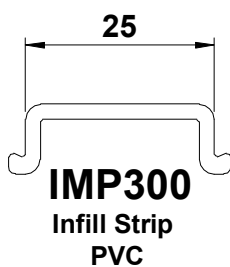
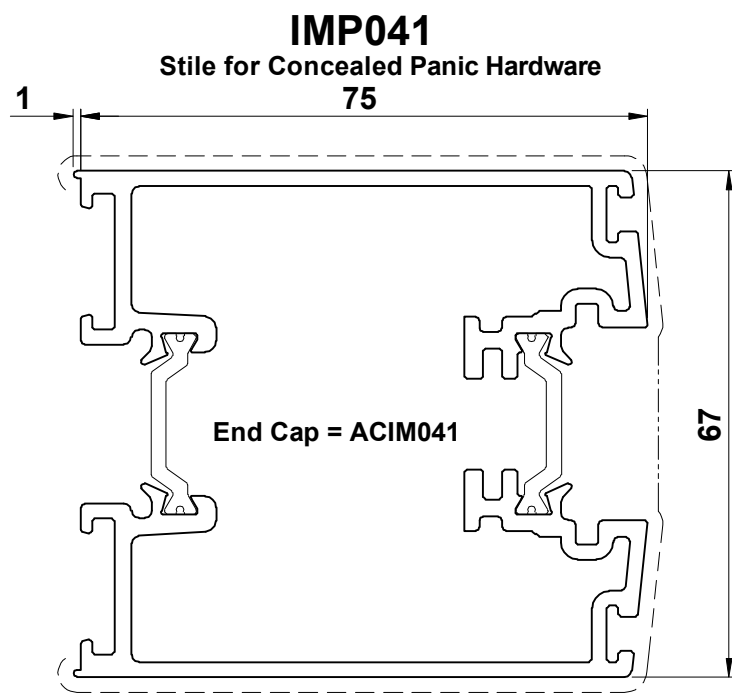
64



Scale 1:1

Primary Visible Side

Secondary Visible Side

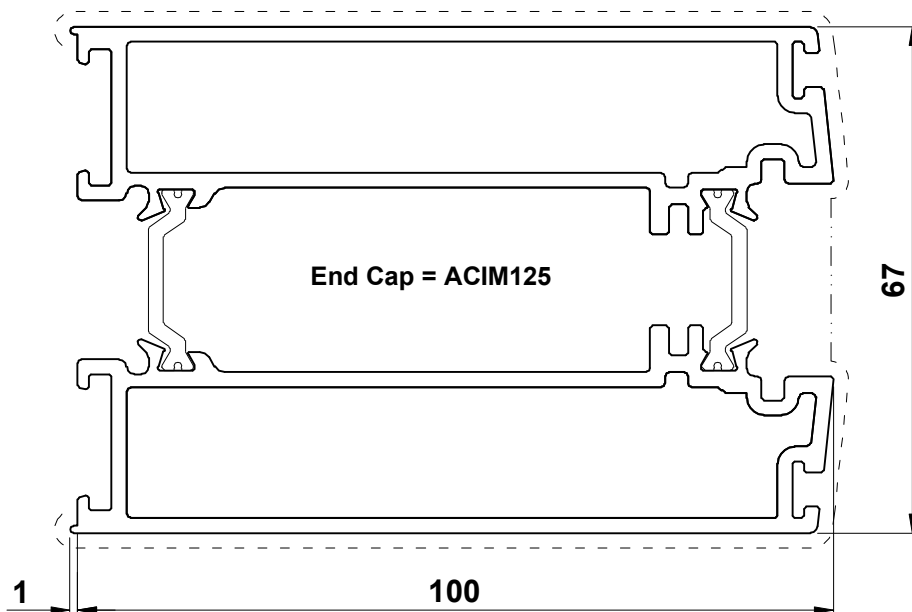


Primary Visible Side

Secondary Visible Side

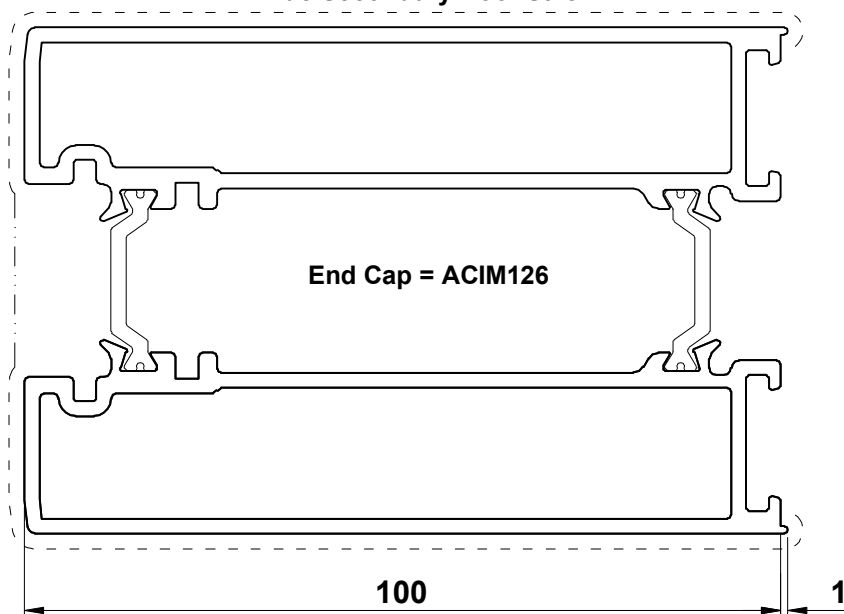
IMP025

Wide Primary Door Stile

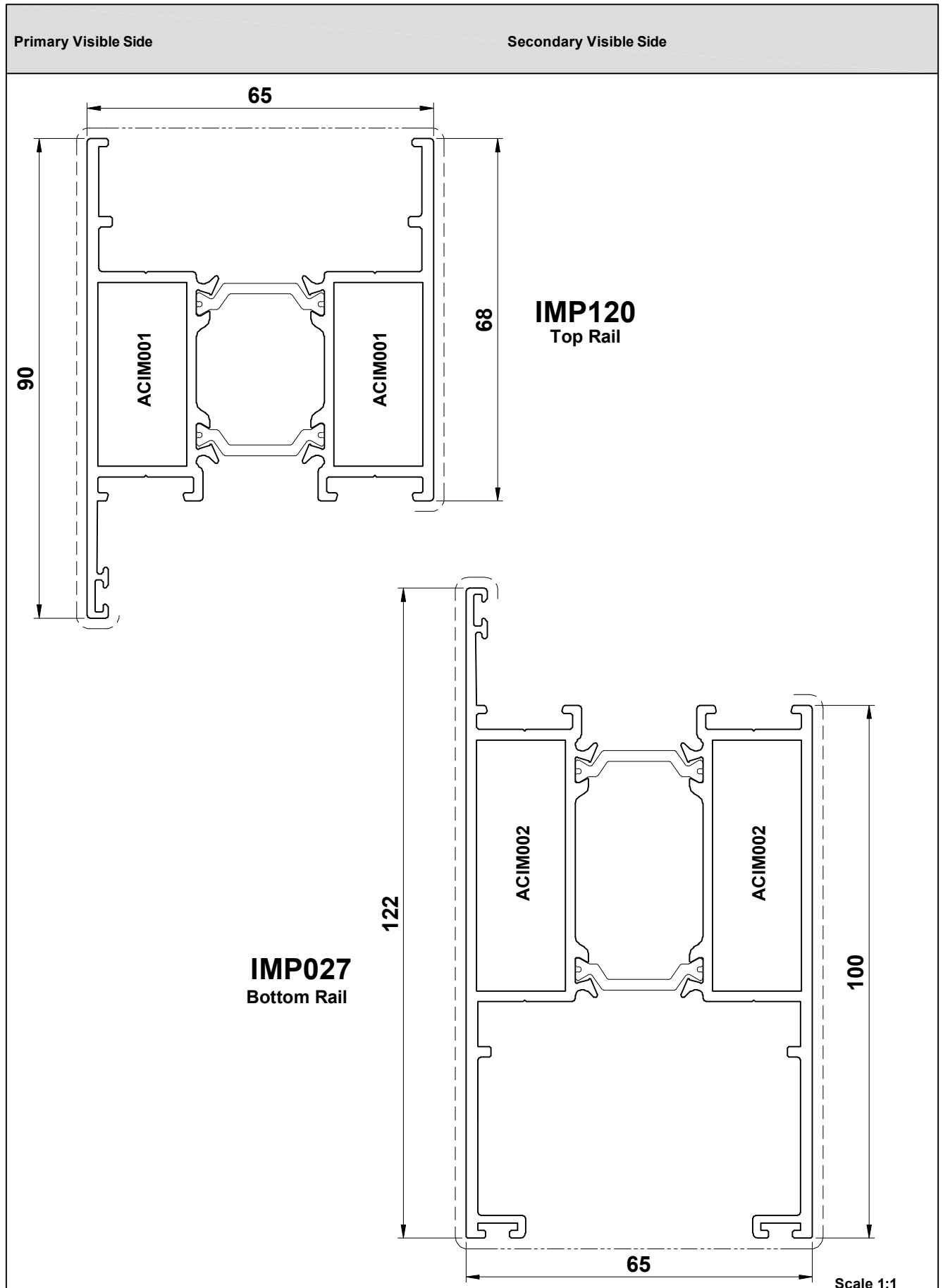


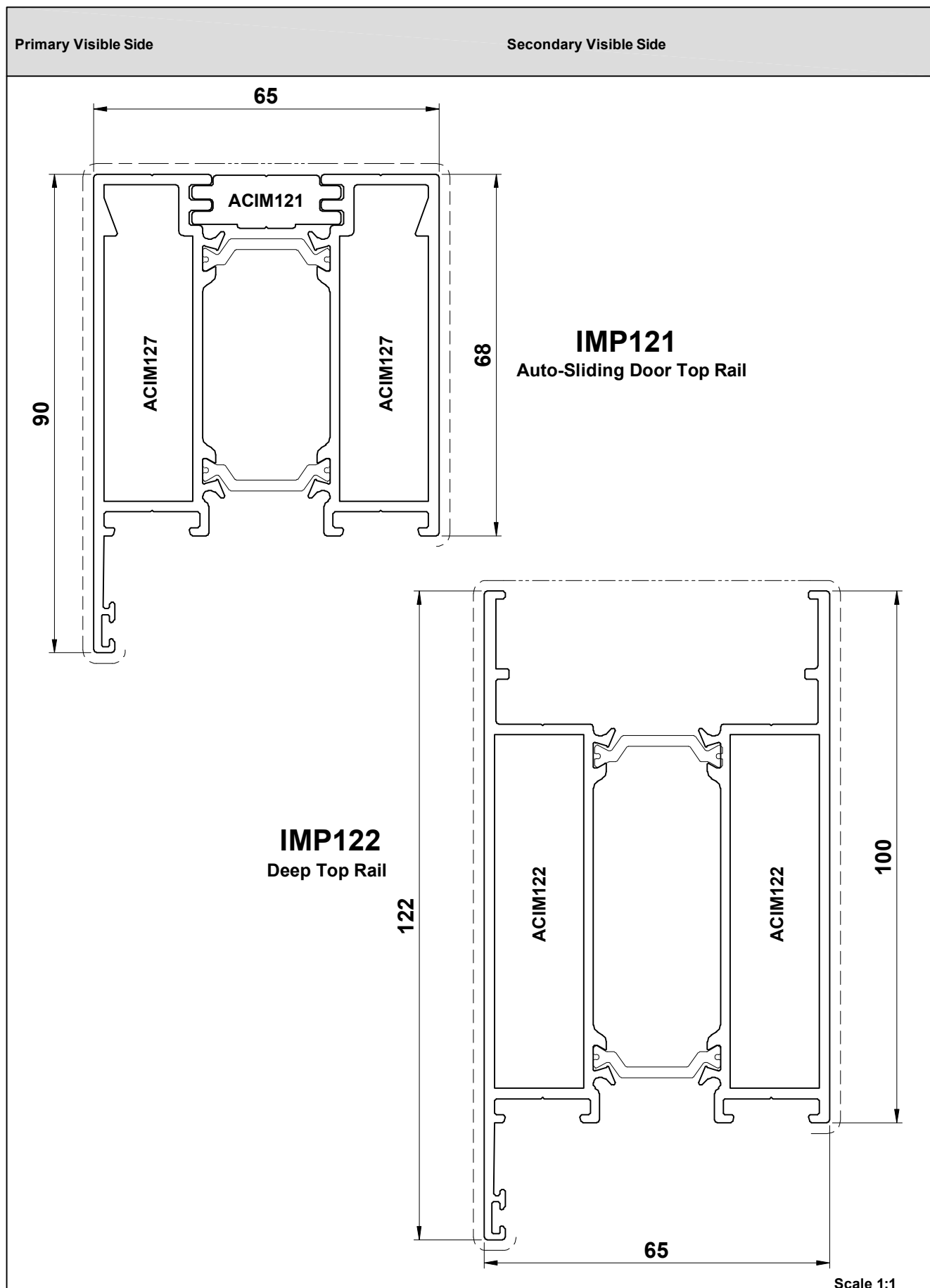
IMP026

Wide Secondary Door Stile



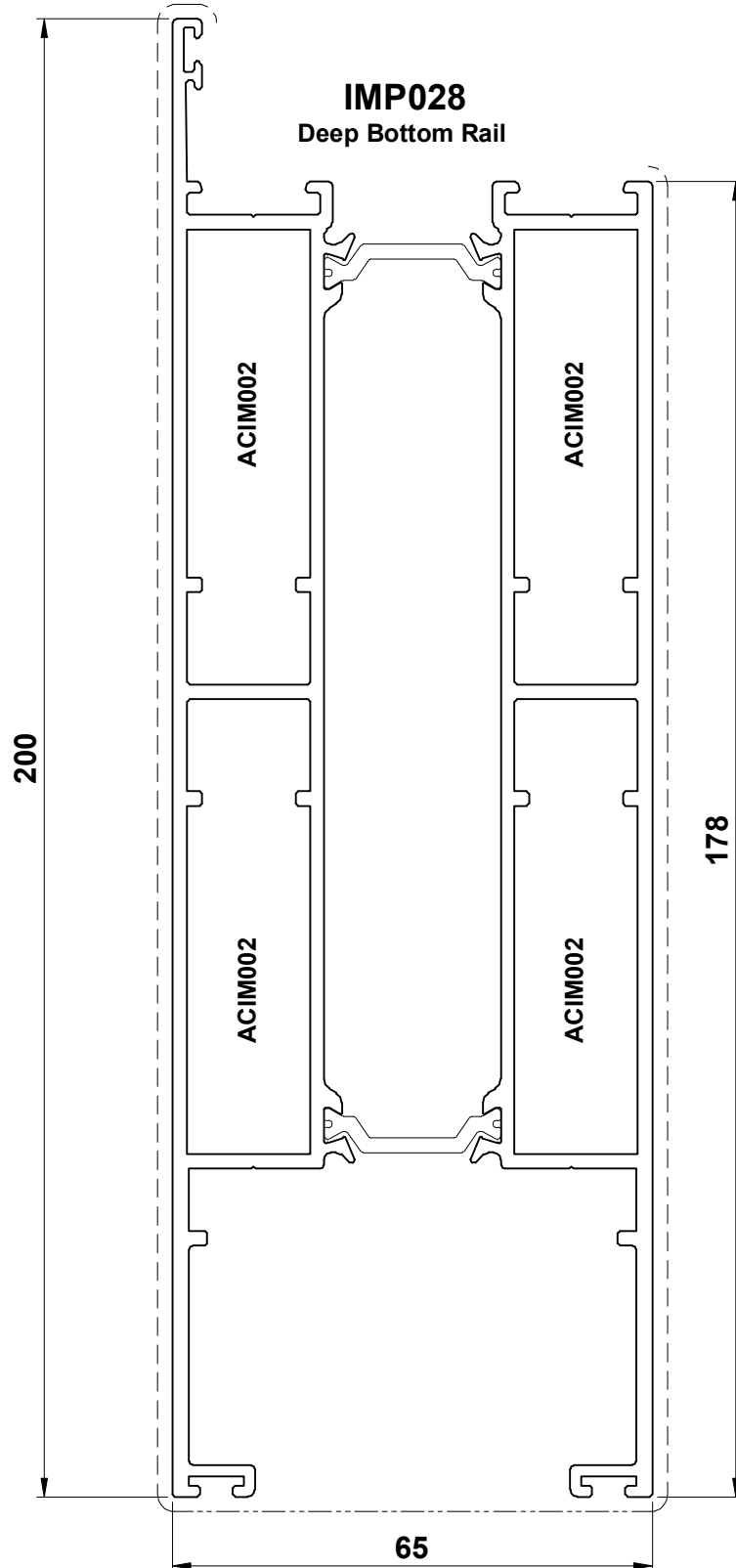
Scale 1:1





Primary Visible Side

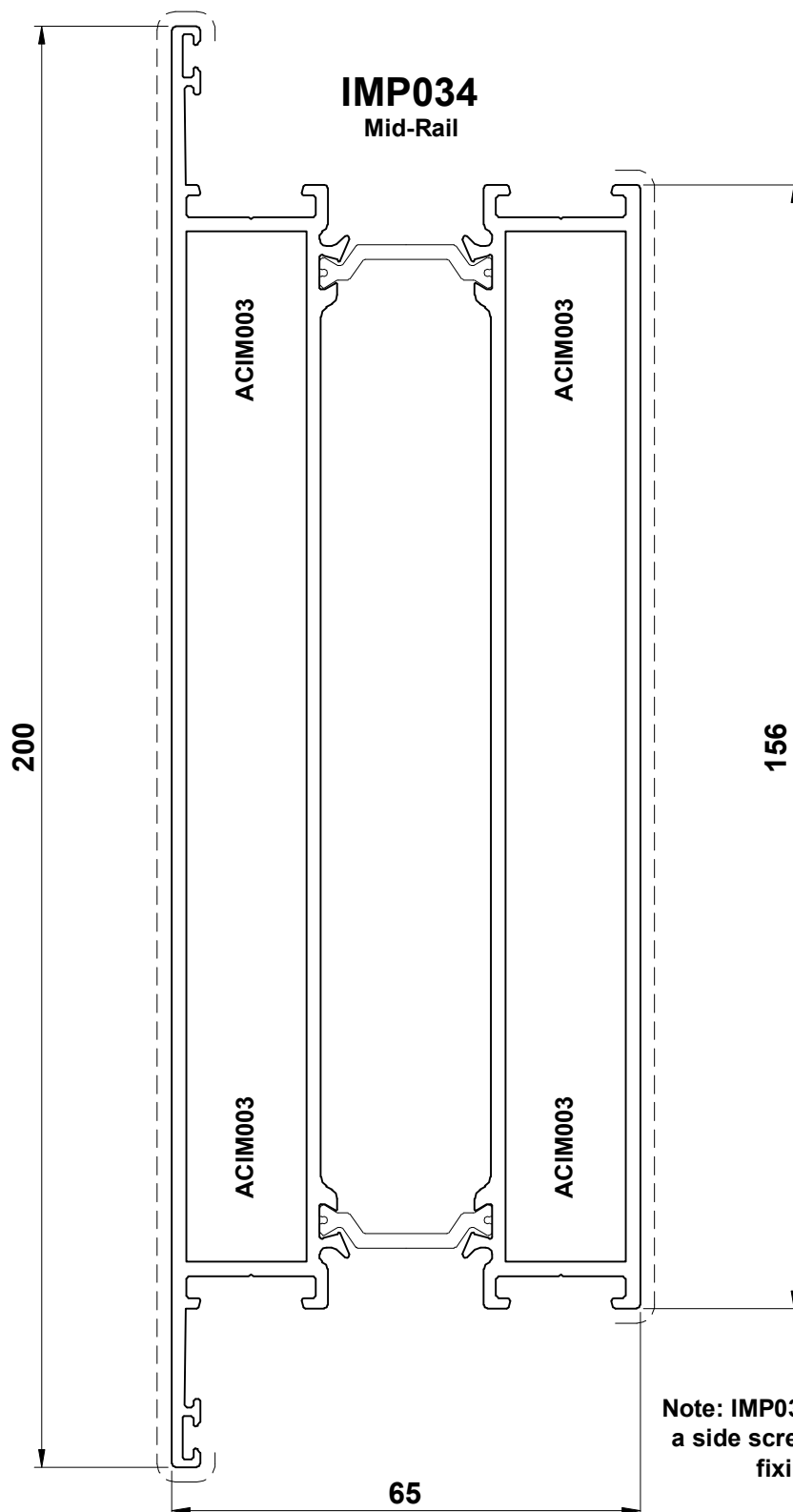
Secondary Visible Side



Scale 1:1

Primary Visible Side

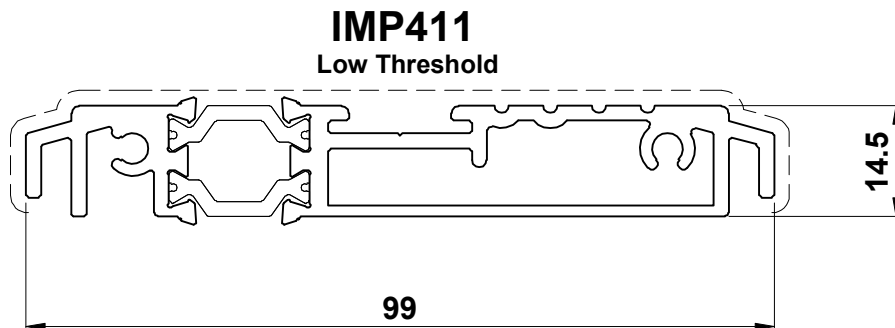
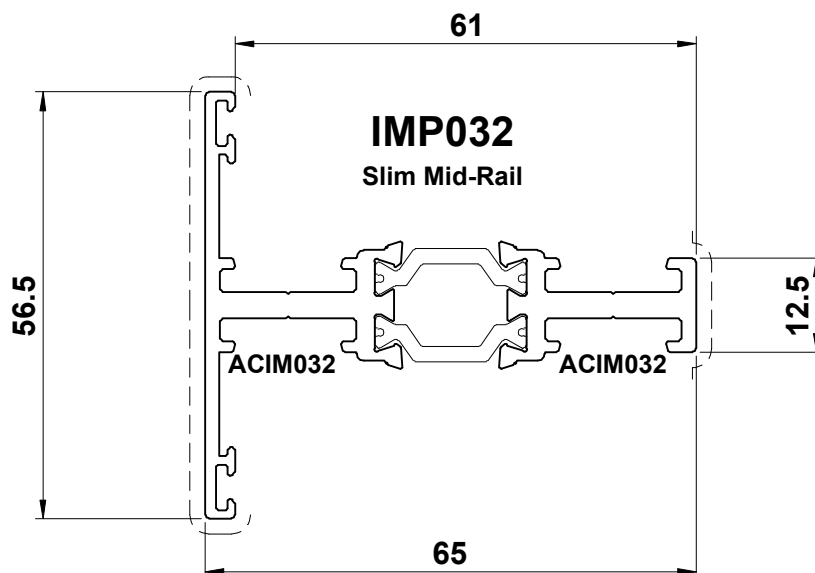
Secondary Visible Side



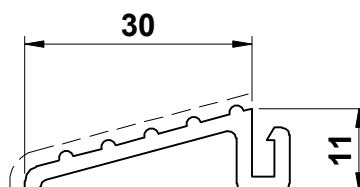
Scale 1:1

Primary Visible Side

Secondary Visible Side



EUD03
Door Threshold Ramp

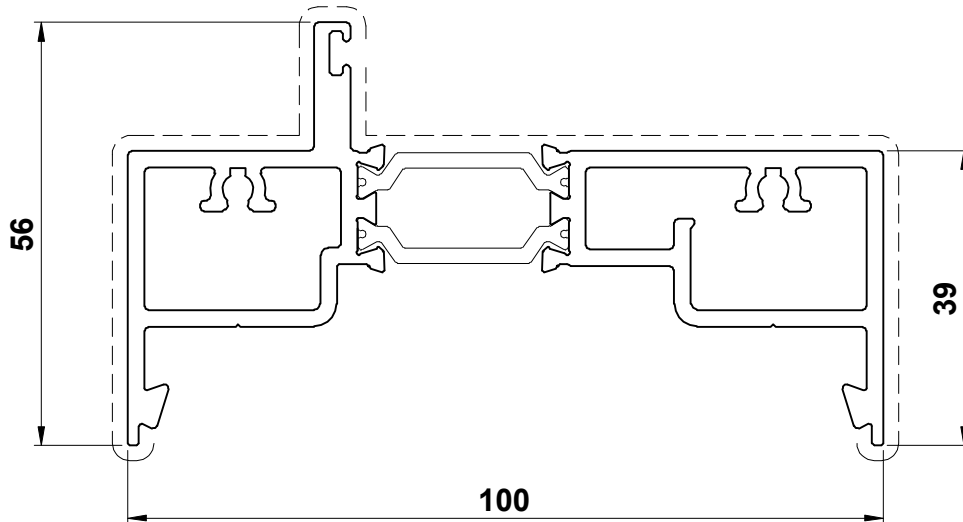


Scale 1:1

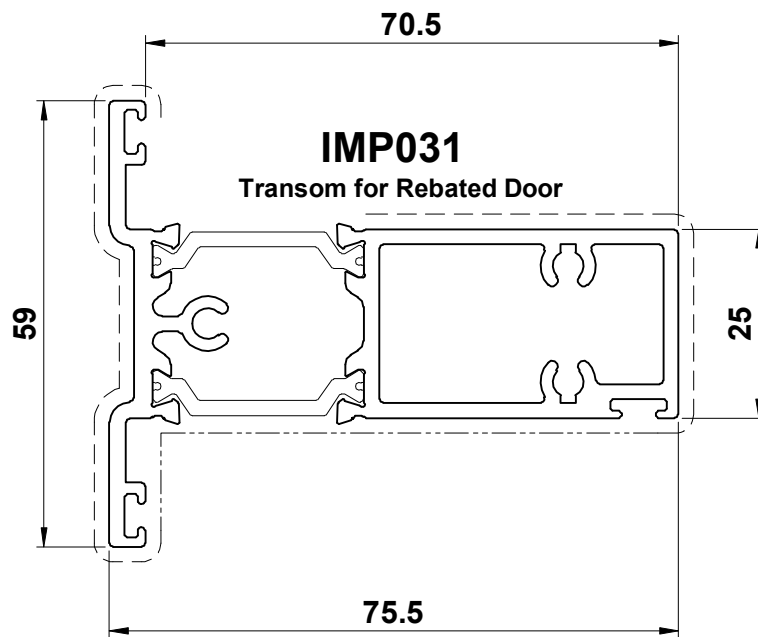
Primary Visible Side

Secondary Visible Side

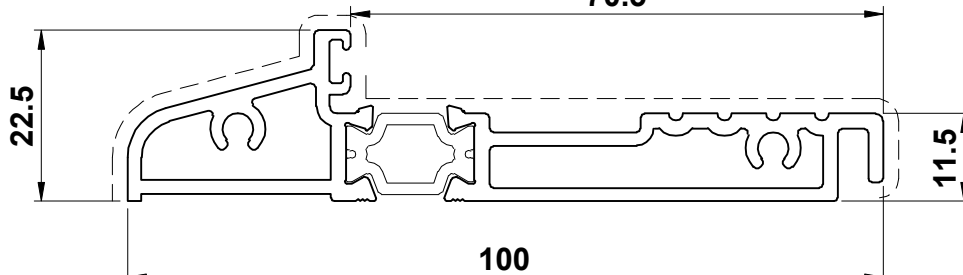
IMP111
Rebated Door Outer Frame



IMP031
Transom for Rebated Door



IMP412
Low Threshold for Rebated Door
70.5

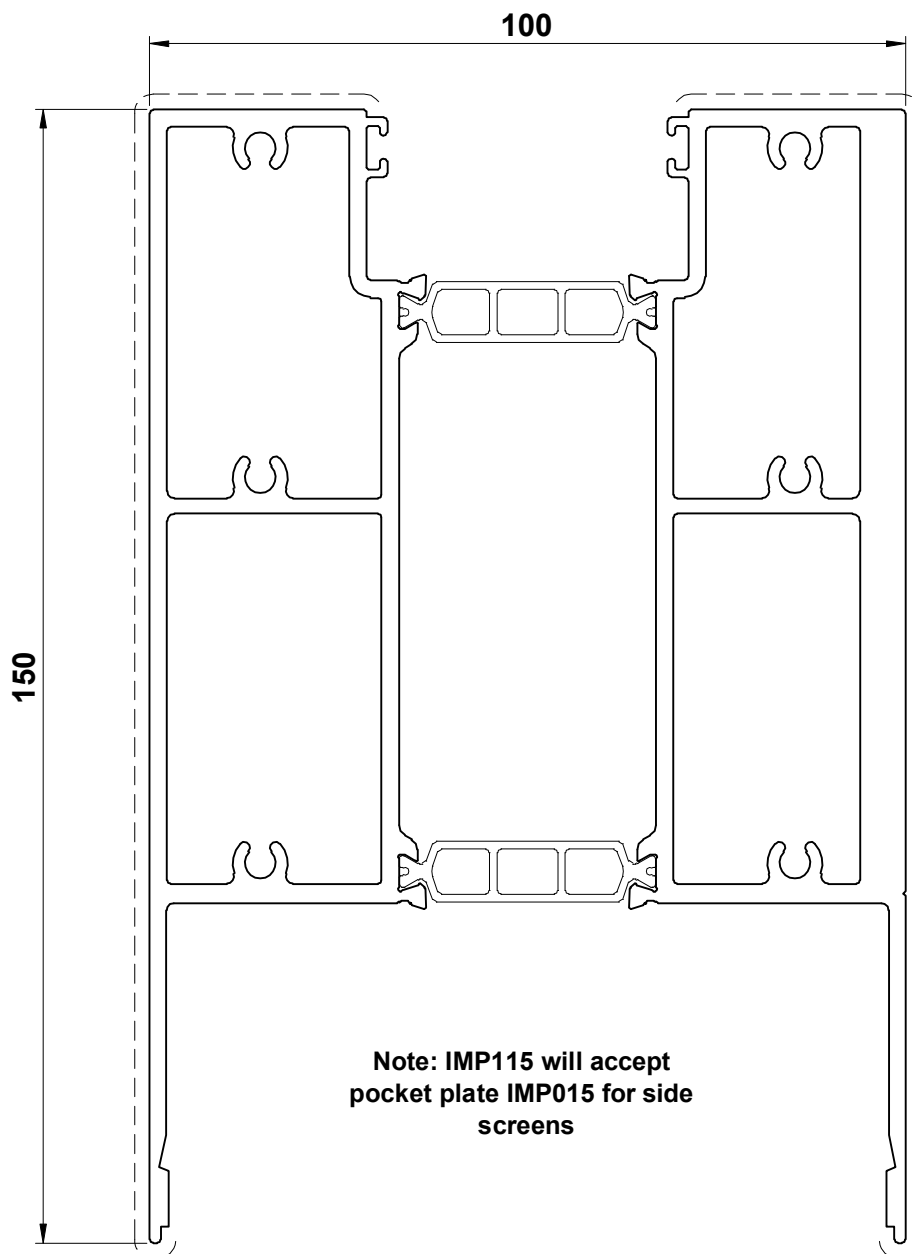


Scale 1:1

Primary Visible Side

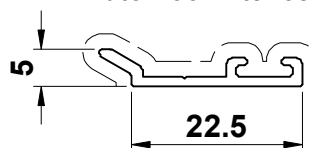
Secondary Visible Side

IMP115
Auto Door Header



**Note: IMP115 will accept
pocket plate IMP015 for side
screens**

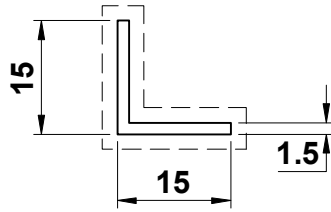
IMP114
Auto Door Interlock



Scale 1:1

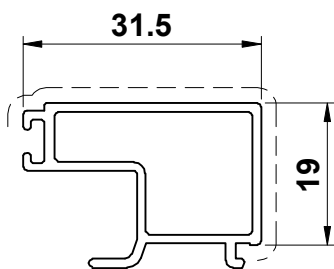
Primary Visible Side

Secondary Visible Side



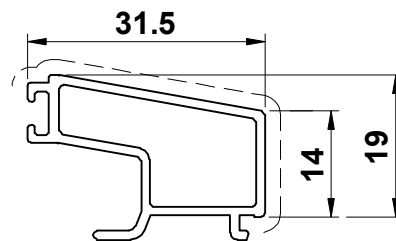
UTL039

15 x 15 Angle



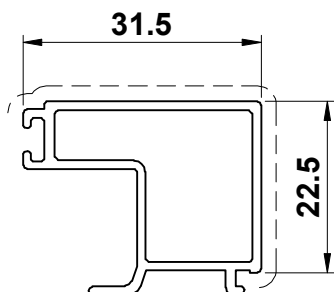
IMP613

28mm Glazing Bead for IMP030 & IMP217



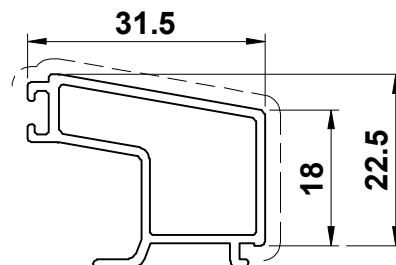
IMP615

28mm Glazing Sloped Bead for IMP030 & IMP217



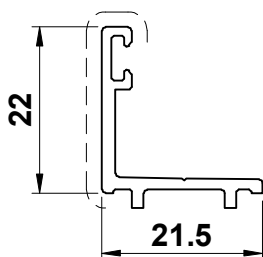
IMP614

28mm Glazing Bead for IMP219



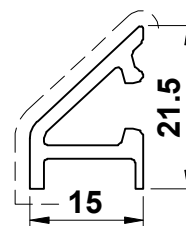
IMP616

28mm Glazing Sloped Bead for IMP219



VG12

External Door Bead



VL72

Weather Drip

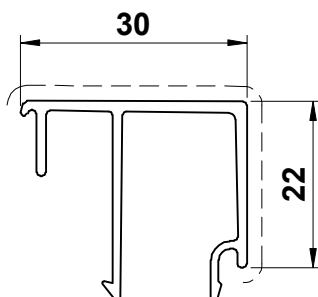
End Caps = ACVL059

Fixing Rivet = ACVL061

Scale 1:1

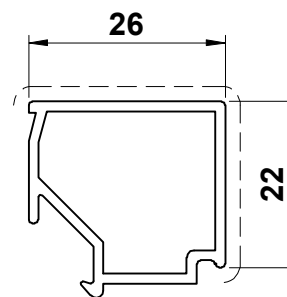
Primary Visible Side

Secondary Visible Side



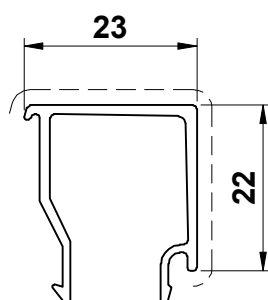
GL030

23-25mm Glazing Bead



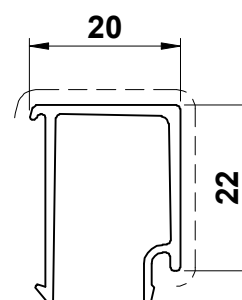
GL526

26-29mm Glazing Bead



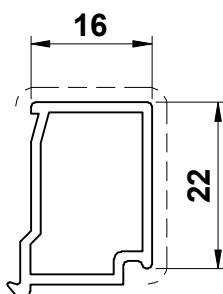
GL023

30-32mm Glazing Bead



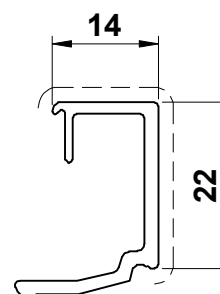
GL020

33-35mm Glazing Bead



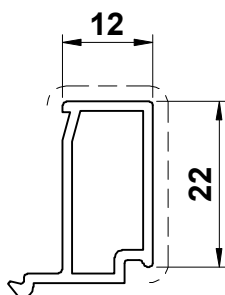
GL516

36-38mm Glazing Bead



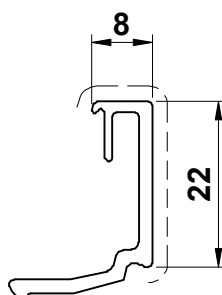
GL014

39-41mm Glazing Bead



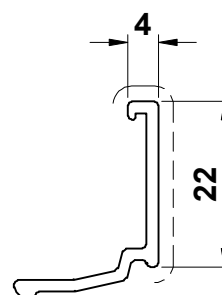
GL512

42-43mm Glazing Bead



GL008

44-47mm Glazing Bead



GL004

48-51mm Glazing Bead

Scale 1:1

Primary Visible Side

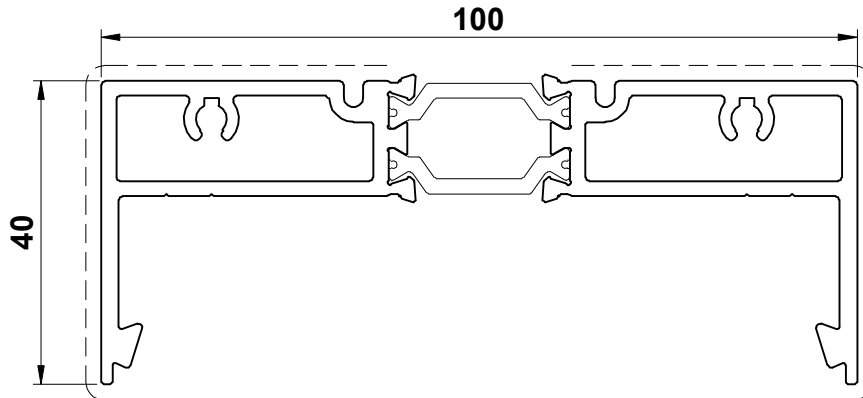
Secondary Visible Side

AFT Rebated Sections

To be used together
Not in numerical order

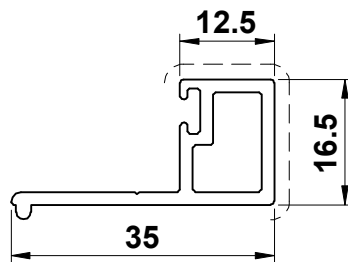
IMP216

Jamb for Rebated Door



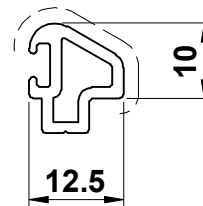
IMP260

Jamb Rebate



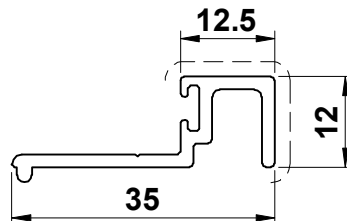
IMP261

Threshold Rebate



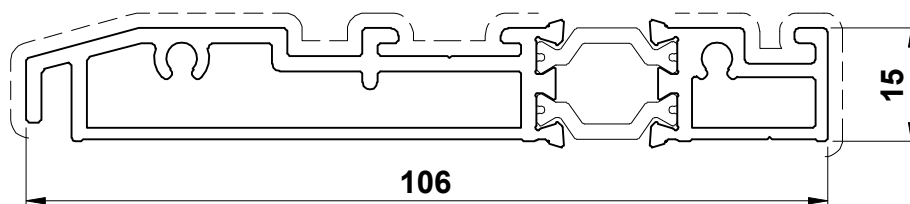
IMP262

Head Rebate



IMP263

Low Threshold for Rebated Door



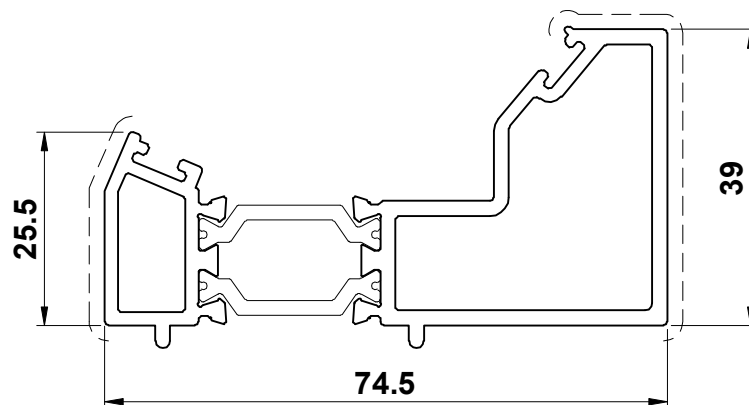
Scale 1:1

Primary Visible Side

Secondary Visible Side

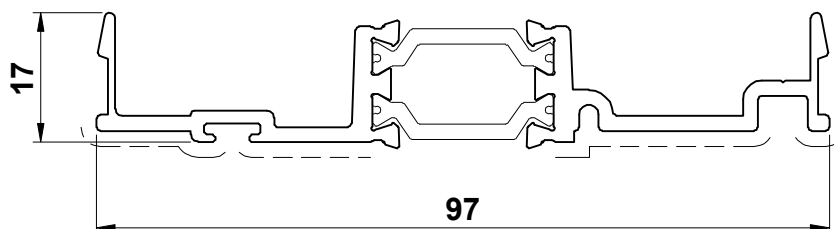
IMP265

Rebated Anti-Finger Trap Adaptor



IMP269

Closer Infill Plate for Rebated Door



Scale 1:1

Primary Visible Side

Secondary Visible Side

Scale 1:1

Section B

Accessories

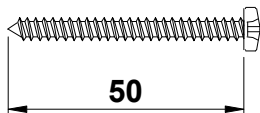
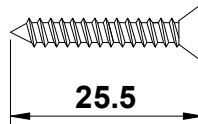
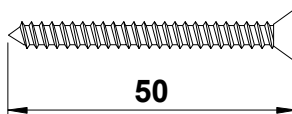
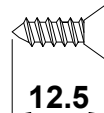
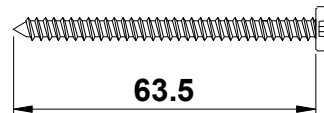
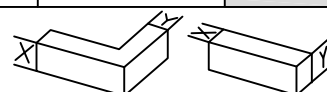
Image	Part Code	Pack	Unit	Application	Colour
	ACDR052 No.10 x 50 PH Stainless Steel Self Tapping Screw	200	Pack		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACET060 No.7 x 25.5 CSK Stainless Steel Self Tapping Screw	100	Pack		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACET062 No.10 x 50 CSK Stainless Steel Self Tapping Screw	100	Pack		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACET067 No.7 x 12.5 CSK Stainless Steel Self Tapping Screw	100	Pack		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACET079 No.10 x 63.5 PH Stainless Steel Self Tapping Screw	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	

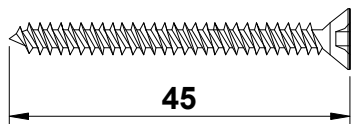
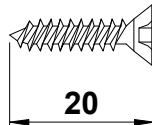
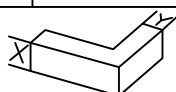
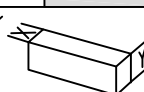
Image	Part Code	Pack	Unit	Application	Colour			
	ACET160 Flipper Gasket	100	m	IMP211 IMP031	MF			
					SA			
					KL			
					HP			
					M			
					GOZ			
					W			
					Z			
					PC			
	ACET190 4.3 x 45 Stainless Steel Self Tapping Screw	1000	Pack		MF			
					SA			
					KL			
					HP			
					M			
					GOZ			
					W			
					Z			
					PC			
	ACET290 4.3 x 20 Stainless Steel Self Tapping Screw	1000	Pack		MF			
					SA			
					KL			
					HP			
					M			
					GOZ			
					W			
					Z			
					PC			
	ACIM001 Cleat	24	Pack	IMP039 IMP040 IMP120	MF			
					SA			
					KL			
					HP			
					M			
					GOZ			
					W			
					Z			
					PC			
	ACIM002 Cleat	24	Pack	IMP039 IMP040 IMP027 IMP028	MF			
					SA			
					KL			
					HP			
					M			
					GOZ			
					W			
					Z			
					PC			
 T-BARS ACV/G65=2.5mm ACV/G66=3.0mm ACV/L150=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			 		

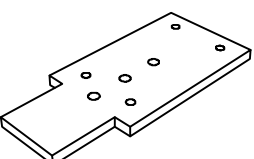
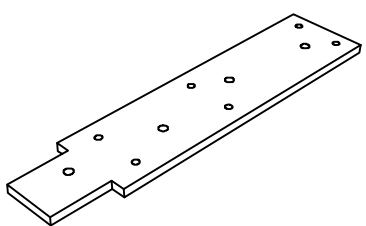
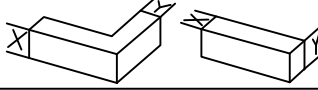
Image	Part Code	Pack	Unit	Application	Colour	
	ACIM003 Cleat	24	Pack	IMP039 IMP040 IMP034	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACIM004 Door Rail Cleat	24	Pack	IMP210	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACIM005 Bottom Bracket	1	Each	IMP027 IMP028	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACIM006 Top Bracket	1	Each	IMP120 IMP122	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACIM008 Keep-Double Door	1	Each	IMP040	MF	
					SA	✓
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
 T-BARS ACV G65=2.5mm ACV G66=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				

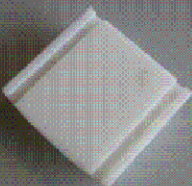
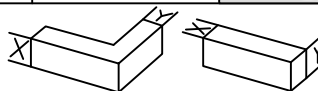
Image	Part Code	Pack	Unit	Application	Colour	
	ACIM009 Bottom End Cap 4mm thick	10	Pack	IMP036	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACIM010 Master Leaf End Cap 4mm thick	10	Pack	IMP039	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACIM011 Slave Leaf End Cap 4mm thick	10	Pack	IMP040	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACIM012 Keep-Single Door	1	Each	IMP210	MF	
					SA	✓
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACIM016 Packer - Finger Bolt	10	Pack	ACVL432 IMP026 IMP038 IMP040 IMP041	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
 T-BARS ACV/G65=2.5mm ACV/G66=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	
	ACIM017 Door Stop	10	Pack	IMP011	MF	✓
					SA	✓
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACIM018 300mm Cover Plate - 65mm Closer	1	Each	IMP110	MF	✓
					SA	✓
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACIM021 Foam Infill	10	Pack	IMP036N IMP037N	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACIM022 Lock Fixing Bracket	1	Each	IMP039 IMP125	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACIM023 M6 x 20 Closer Fixing Screw	100	Pack	IMP110	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
 T-BARS ACV G65=2.5mm ACV G66=3.0mm ACV L150=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			

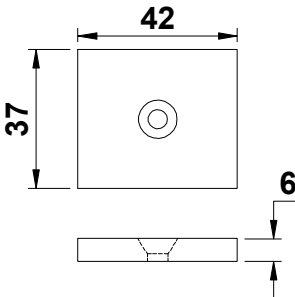
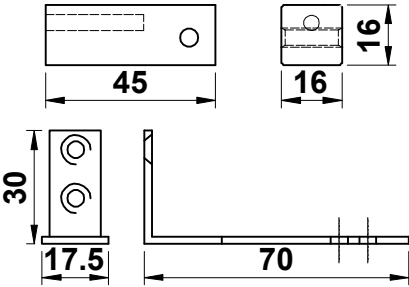
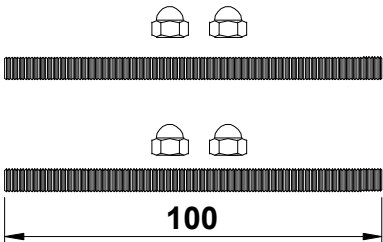
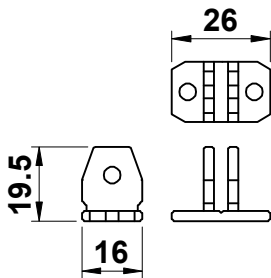
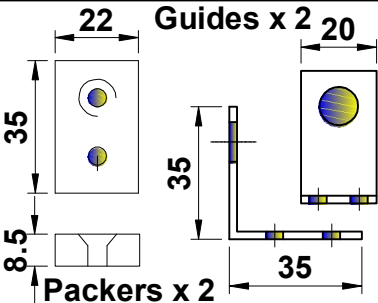
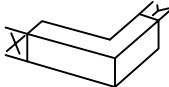
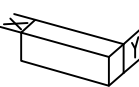
Image	Part Code	Pack	Unit	Application	Colour
	ACIM024 Fixing Plate (PVC)	50	Pack	IMP210 IMP310 IMP410	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM025 Mid Rail Fixing Brackets	24	Pack	IMP016 IMP034 IMP210 IMP310 IMP410	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM030 Pad Handle Fixings M6 x 100	1	Set	ACMX05520 ACMX05522	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM032 Brackets for IMP032	24	Pack	IMP032	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM033 Shoot Bolt Fixing Kit	24	Pack	IMP026 IMP038 IMP040 IMP041	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour	 Screw (Gub)	GOZ = Gold PC = Polished Chrome W = White Z = Black	 	

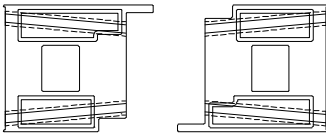
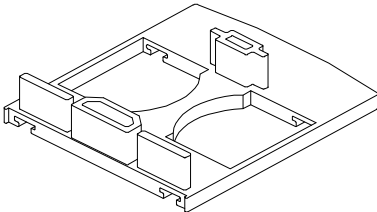
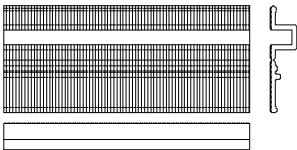
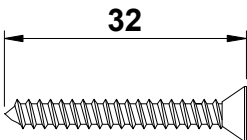
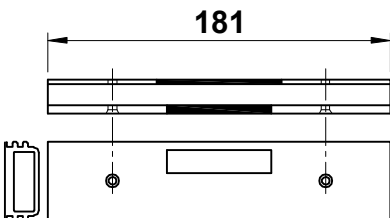
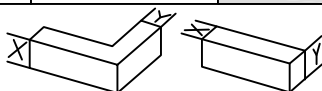
Image	Part Code	Pack	Unit	Application	Colour
	ACIM038 Bottom End Cap for IMP038	10	Pairs	IMP038	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM041 Bottom End Cap for IMP041	10	Pack	IMP041	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM057 Bridge Packer	10	Pack		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM062 No.10 x 32 CSK Stainless Steel Self Tapping Screw	100	Pack		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM112 Keep for Single Auto Sliding Doors	1	Each	IMP210	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		

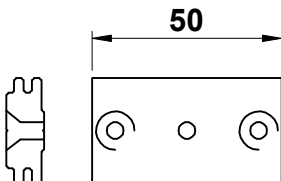
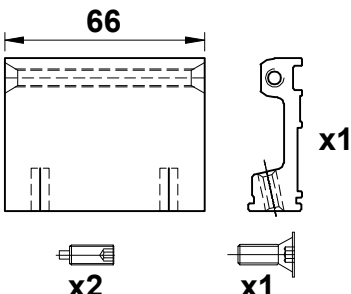
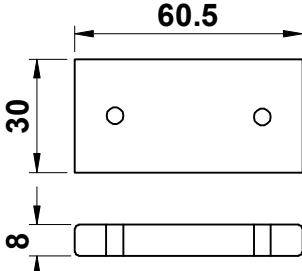
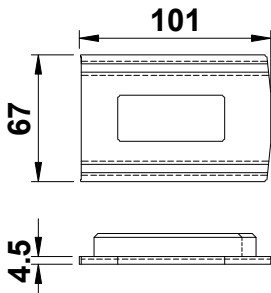
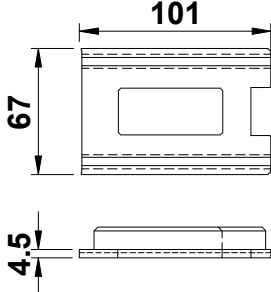
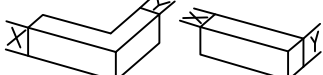
Image	Part Code	Pack	Unit	Application	Colour	
	ACIM121 Auto Sliding Door Fixing Bracket	10	Pack	IMP121	MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACIM122 Cleat for IMP122	24	Pack	IMP122	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACIM123 Fixing Plate for Bottom Guide of Auto Sliding Door	10	Pack	IMP027 IMP028	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACIM125 Bottom End Cap for IMP025	10	Pack	IMP025	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACIM126 Bottom End Cap for IMP026	10	Pack	IMP026	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			

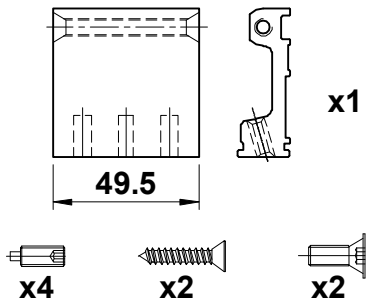
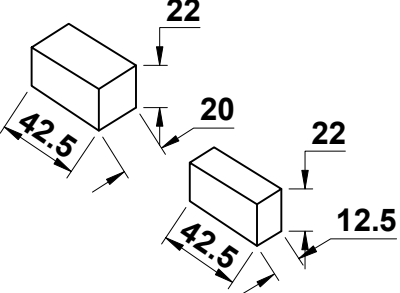
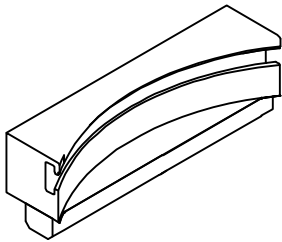
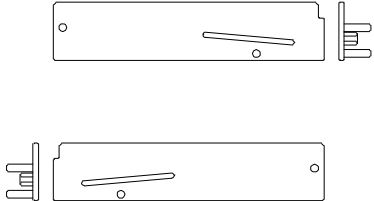
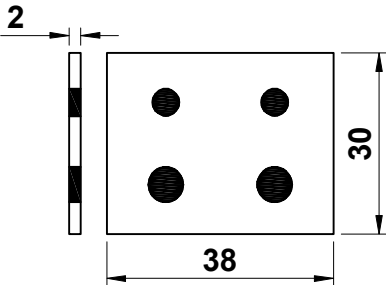
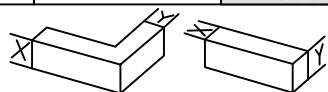
Image	Part Code	Pack	Unit	Application	Colour
	ACIM127 Cleat for IMP121	24	Pack	IMP127	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM130 Foam Inserts	50	Pairs	IMP030 IMP210 IMP217 IMP310 IMP410	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM140 Woolpile Carrier for Rebated Anti-Finger Trap	1	Each	IMP263 IMP269	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM157 End Caps for IMP057	10	Pairs	IMP057	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM210 Closer Fixing Plate	1	Pair	IMP216	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		

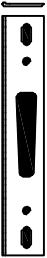
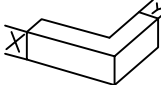
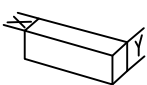
Image	Part Code	Pack	Unit	Application	Colour				
 Outside Left Hand  Outside Right Hand	ACIM212LH/RH Keep for Single Door  Left Hand outside  Right Hand outside	1	each	IMP216	MF SA KL HP M GOZ W Z PC ✓				
	 	ACIM263 End Caps for IMP263	10	Pairs	IMP263	MF SA KL HP M GOZ W Z PC ✓			
		  Left Hand Right Hand  outside  outside	ACIM269LH/RH Pre-Drilled Closer Plate to suit IMP269	1	Each	IMP110 IMP269	MF SA KL HP M GOZ W Z PC ✓ ✓ ✓ ✓ ✓ ✓		
				ACIM423A Door Closer Not Hold Open - 750/950 65mm End Load	1	Each		MF SA KL HP M GOZ W Z PC	
					ACIM423B Door Closer Hold Open - 750/950 65mm End Load	1	Each		MF SA KL HP M GOZ W Z PC
					 T-BARS ACV/G65=2.5mm ACV/G66=3.0mm ACV/L150=4.0mm  Screw (Gub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour GOZ = Gold PC = Polished Chrome W = White Z = Black	 X  Y		

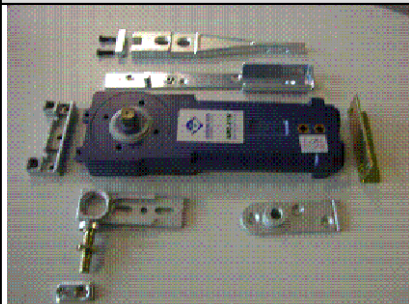
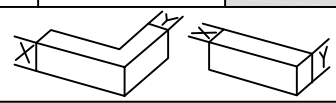
Image	Part Code	Pack	Unit	Application	Colour
	ACIM424A Door Closer Not Hold Open - 950/1150 65mm End Load	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM424B Door Closer Hold Open - 950/1150 65mm End Load	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM425A Door Closer Not Hold Open - <750 65mm End Load	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM425B Door Closer Hold Open - <750 65mm End Load	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM426 Springless Door Closer	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
 T-BARS ACV/G65=2.5mm ACV/G66=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		

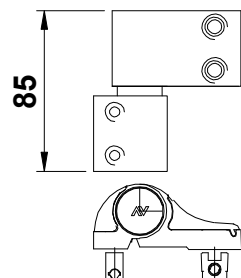
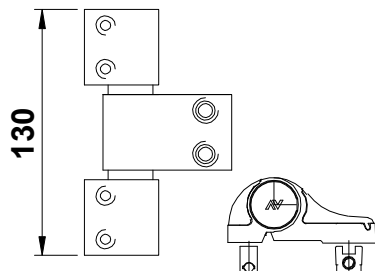
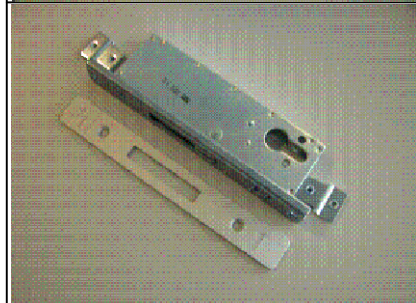
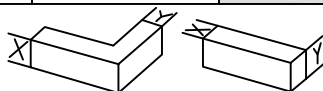
Image	Part Code	Pack	Unit	Application	Colour
	ACIM428 Face Mounted Door Closer (Item not stocked - check details with our Sales Department)	1	Each	IMP211	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM429 2 Part Flag Hinge	2	Pack	IMP211	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM430 3 Part Flag Hinge	2	Pack	IMP211	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM440B Door Lock - 30mm Back Set	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM440C Door Lock - 40mm Back Set	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm		 Screw (Grub)		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour	
		GOZ = Gold PC = Polished Chrome W = White Z = Black			

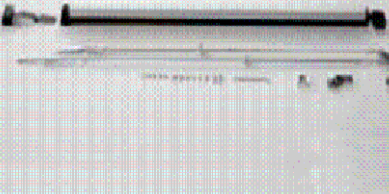
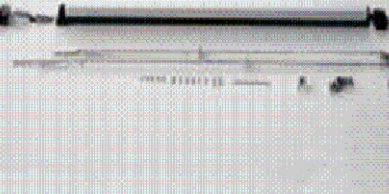
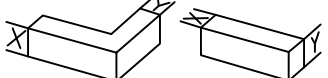
Image	Part Code	Pack	Unit	Application	Colour
	ACIM442 Cylinder - 40/40 High Security Anti-Bump	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM443 High Security Cylinder Guard (Item not stocked - check details with our Sales Department)	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM445 Cylinder - 40/40 With Thumbturn High Security Anti-Bump	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM452 Concealed Panic Bar Max Door Width - 900mm Min Door Width - 705mm Max Height - 2500mm	1	Each	IMP041	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACIM453 Concealed Panic Bar Max Door Width - 1050mm Min Door Width - 705mm Max Height - 2500mm	1	Each	IMP041	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
 T-BARS ACV665=2.5mm ACV666=3.0mm ACV1150=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	
					

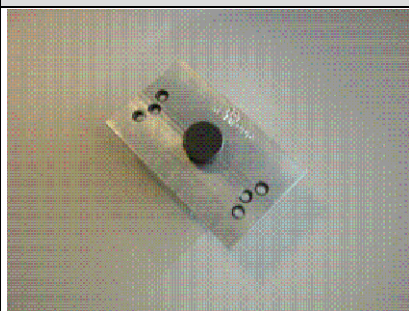
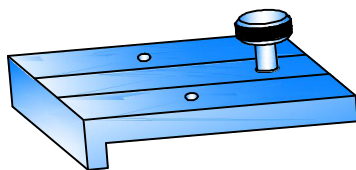
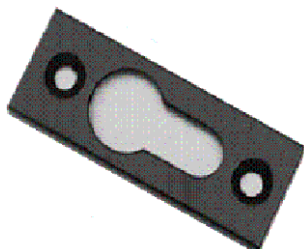
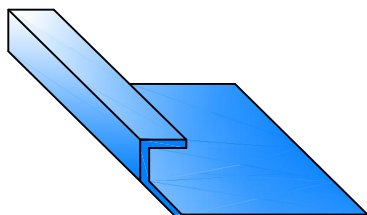
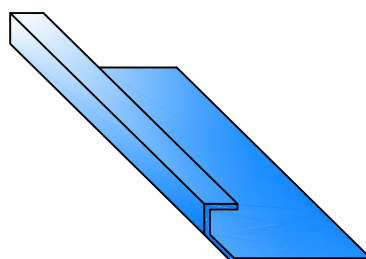
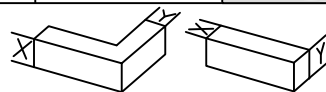
Image	Part Code	Pack	Unit	Application	Colour	
	ACIM900 Drill Jig	1	Each	ACIM004 IMP210	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACIM901 Drill Jig	1	Each	IMP027 IMP028 IMP034 IMP120 IMP121 IMP122	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACMX108 Escutcheon	1	Each		MF	✓
					SA	✓
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACMX05520 100mm Pad Handle	1	Each	ACIM030	MF	✓
					SA	✓
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACMX05522 200mm Pad Handle	1	Each	ACIM030	MF	✓
					SA	✓
					KL	✓
					HP	✓
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
 T-BARS ACV G65=2.5mm ACV G66=3.0mm ACV L150=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		
						

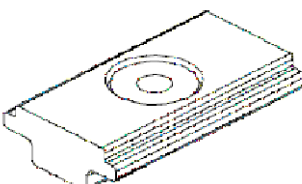
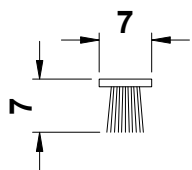
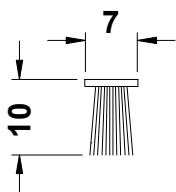
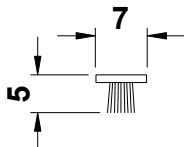
Image	Part Code	Pack	Unit	Application	Colour	
	ACRV032 Infill Gasket	50	m		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACSG023 M4 Fixing Plate	50	pack	ACDV265 ACVL426	MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACSH032 7 x 7mm Woolpile	200	m		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACSH035 7 x 10mm Woolpile	200	m		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACSH037 7 x 5mm Woolpile	425	m		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		

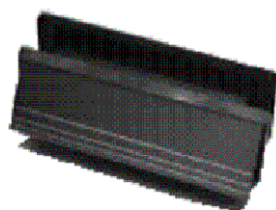
Image	Part Code	Pack	Unit	Application	Colour	
	ACSH446 Cylinder guard for euro cylinders.	1	Each		MF	✓
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACSH471 Letter Plate Outer Dimensions - 265 x 70mm	1	Each		MF	
					SA	✓
					KL	
					HP	
					M	
					GOZ	
					W	✓
					Z	✓
					PC	
	ACVG31S 3mm External Gasket	200	m		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACVG32 3mm Wedge Gasket	100	m		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACVG33 4mm Wedge Gasket	100	m		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				

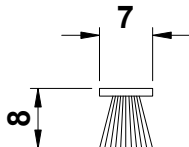
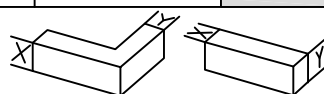
Image	Part Code	Pack	Unit	Application	Colour	
	ACVG34 5mm Wedge Gasket	100	m		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACVG131 4mm External Gasket	100	m		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACVG231 2mm External Gasket	200	m		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACVG340 6mm Wedge Gasket	200	m		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	✓
					PC	
	ACVL033 7 x 8mm Woolpile	50	m		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				

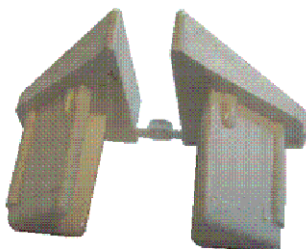
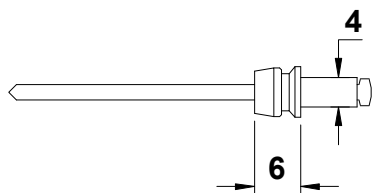
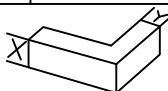
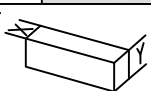
Image	Part Code	Pack	Unit	Application	Colour
	ACVL059 End Caps	1	Pair	VL72	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACVL061 Rivet to secure VL72	100	Pack	VL72	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACVL122 Door Handle - 230mm x 30mm dia. Nylon Coated	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACVL123 Door Handle - 350mm x 35mm dia. Nylon Coated	1	Each		MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACVL127 Shootbolts	1	Each	ACIM033 ACVL426 IMP026 IMP040 IMP041	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		 		

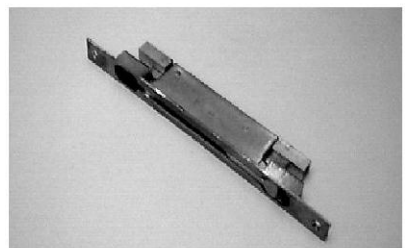
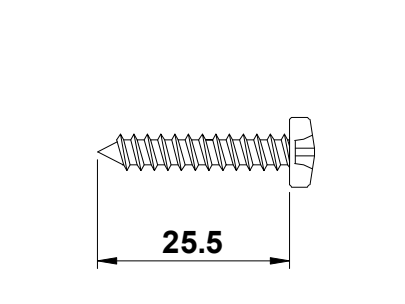
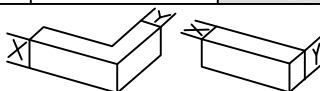
Image	Part Code	Pack	Unit	Application	Colour
	ACVL142 Single Handle Fixation Kit	1	Each	ACVL122 ACVL123	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACVL143 Back to Back Handle Fixings Not visible after installation	1	Each	ACVL122 ACVL123	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACVL426 Shoot Bolt	1	Each	ACIM033 ACVL127 IMP026 IMP040 IMP041	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	ACVL432 Finger Bolt	1	Each	ACIM016 IMP026 IMP038 IMP040 IMP041	MF
					SA
					KL
					HP
					M
					GOZ
					W
					Z
					PC
	PUA028 No.10 x 25.5 PH Stainless Steel Self Tapping Screw	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				

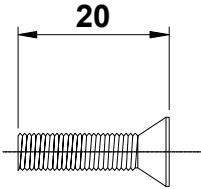
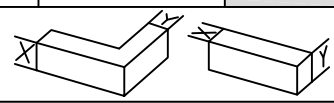
Image	Part Code	Pack	Unit	Application	Colour			
	WCA134 M5 x 20 Stainless Steel CSK Screw	100	Pack		MF			
					SA			
					KL			
					HP			
					M			
					GOZ			
					W			
					Z			
					PC			
					MF			
					SA			
					KL			
					HP			
					M			
					GOZ			
					W			
					Z			
					PC			
					MF			
					SA			
					KL			
					HP			
					M			
					GOZ			
					W			
					Z			
					PC			
					MF			
					SA			
					KL			
					HP			
					M			
					GOZ			
					W			
					Z			
					PC			
 	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour				MF			
					SA			
					KL			
					HP			
					M			
					GOZ			
					W			
					Z			
					PC			
			GOZ = Gold PC = Polished Chrome W = White Z = Black					

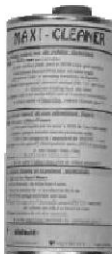
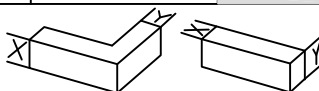
Image	Part Code	Pack	Unit	Application	Colour																		
	ACMX09700 Alu. Polish	1	each		<table><tr><td>MF</td><td>✓</td></tr><tr><td>SA</td><td></td></tr><tr><td>KL</td><td></td></tr><tr><td>HP</td><td></td></tr><tr><td>M</td><td></td></tr><tr><td>GOZ</td><td></td></tr><tr><td>W</td><td></td></tr><tr><td>Z</td><td></td></tr><tr><td>PC</td><td></td></tr></table>	MF	✓	SA		KL		HP		M		GOZ		W		Z		PC	
MF	✓																						
SA																							
KL																							
HP																							
M																							
GOZ																							
W																							
Z																							
PC																							
	ACMX09761 Maxi Gloss	1	each		<table><tr><td>MF</td><td></td></tr><tr><td>SA</td><td></td></tr><tr><td>KL</td><td></td></tr><tr><td>HP</td><td></td></tr><tr><td>M</td><td></td></tr><tr><td>GOZ</td><td></td></tr><tr><td>W</td><td></td></tr><tr><td>Z</td><td></td></tr><tr><td>PC</td><td></td></tr></table>	MF		SA		KL		HP		M		GOZ		W		Z		PC	
MF																							
SA																							
KL																							
HP																							
M																							
GOZ																							
W																							
Z																							
PC																							
	ACMX09762 Alu. Bright	1	each		<table><tr><td>MF</td><td></td></tr><tr><td>SA</td><td></td></tr><tr><td>KL</td><td></td></tr><tr><td>HP</td><td></td></tr><tr><td>M</td><td></td></tr><tr><td>GOZ</td><td></td></tr><tr><td>W</td><td></td></tr><tr><td>Z</td><td></td></tr><tr><td>PC</td><td></td></tr></table>	MF		SA		KL		HP		M		GOZ		W		Z		PC	
MF																							
SA																							
KL																							
HP																							
M																							
GOZ																							
W																							
Z																							
PC																							
	ACMX09763 Teflon Spray	1	each		<table><tr><td>MF</td><td></td></tr><tr><td>SA</td><td></td></tr><tr><td>KL</td><td></td></tr><tr><td>HP</td><td></td></tr><tr><td>M</td><td></td></tr><tr><td>GOZ</td><td></td></tr><tr><td>W</td><td></td></tr><tr><td>Z</td><td></td></tr><tr><td>PC</td><td></td></tr></table>	MF		SA		KL		HP		M		GOZ		W		Z		PC	
MF																							
SA																							
KL																							
HP																							
M																							
GOZ																							
W																							
Z																							
PC																							
	ACMX09764 Maxi Clean	1	each		<table><tr><td>MF</td><td></td></tr><tr><td>SA</td><td></td></tr><tr><td>KL</td><td></td></tr><tr><td>HP</td><td></td></tr><tr><td>M</td><td></td></tr><tr><td>GOZ</td><td></td></tr><tr><td>W</td><td></td></tr><tr><td>Z</td><td></td></tr><tr><td>PC</td><td></td></tr></table>	MF		SA		KL		HP		M		GOZ		W		Z		PC	
MF																							
SA																							
KL																							
HP																							
M																							
GOZ																							
W																							
Z																							
PC																							
 T-BARS ACV/G65=2.5mm ACV/G66=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																			

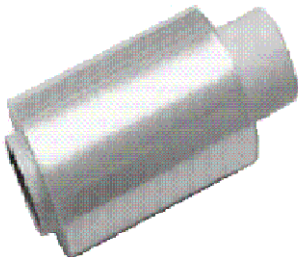
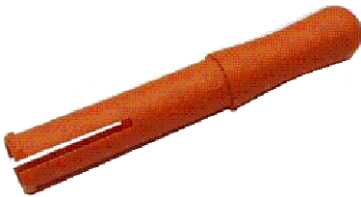
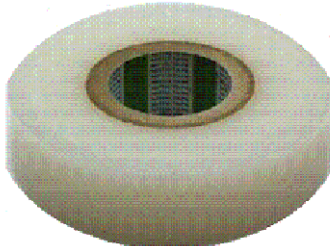
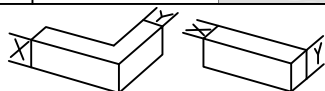
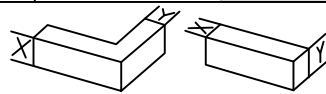
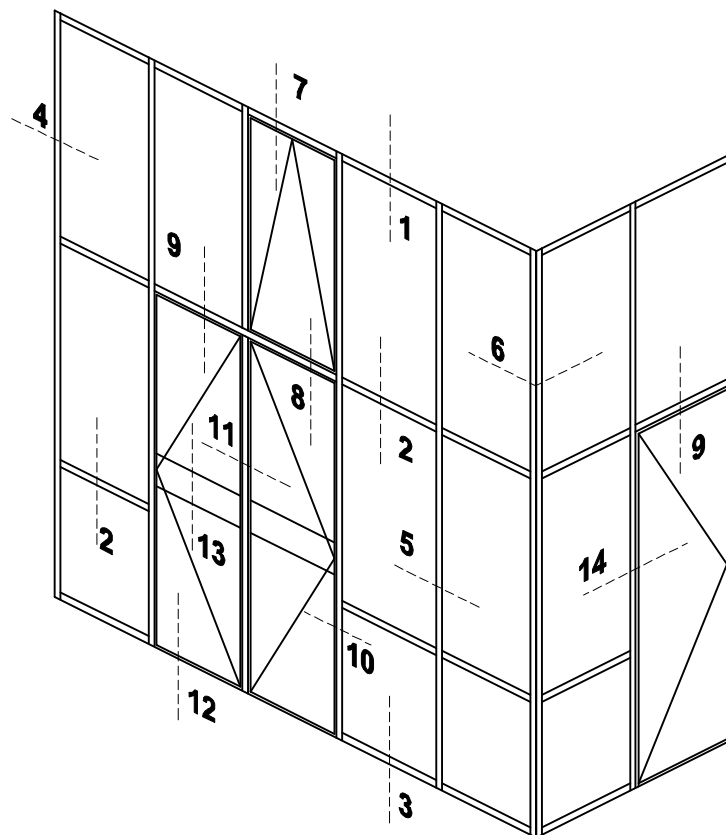
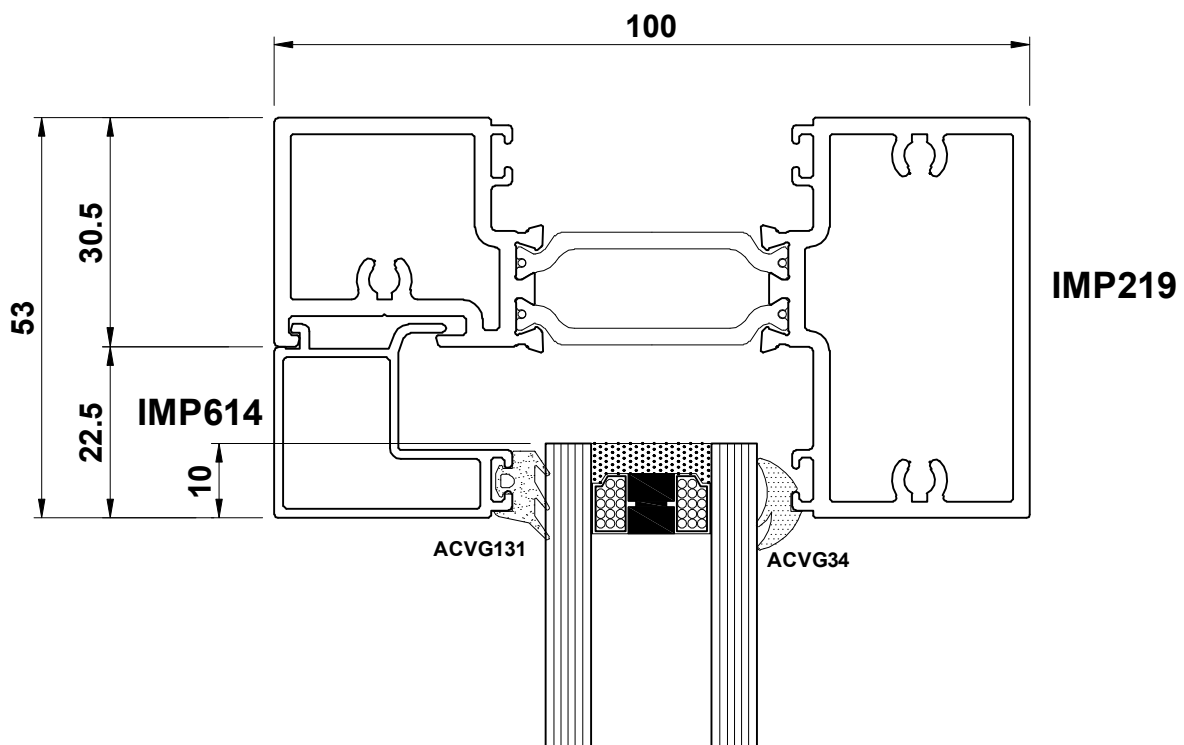
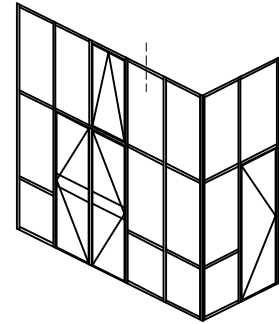
Image	Part Code	Pack	Unit	Application	Colour	
	ACMX09765 Alu. Cleaner	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACMX09770 Roll & Wrap 100mm	1	each		MF	
					SA	
					KL	
					HP	
					M	
					GOZ	
					W	
					Z	
					PC	
	ACMX09775 Grip Handwrap	1	each		MF	
					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 ACV/G65=2.5mm ACV/G66=3.0mm ACV/L150=4.0mm	 Screw (Gnb)	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 ACV/G65=2.5mm ACV/G66=3.0mm ACV/L150=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		

Screen & Manual Anti-Finger Trap Doors

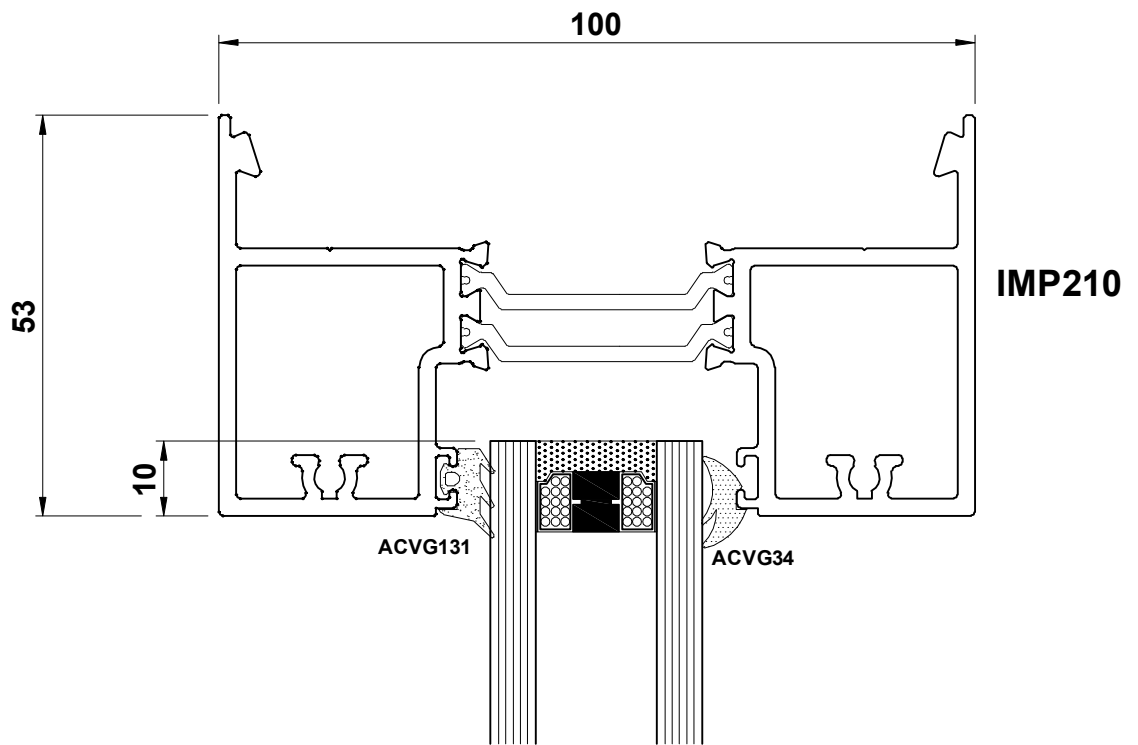
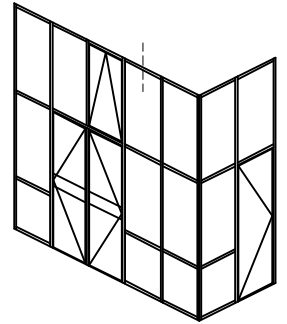


Detail 1A



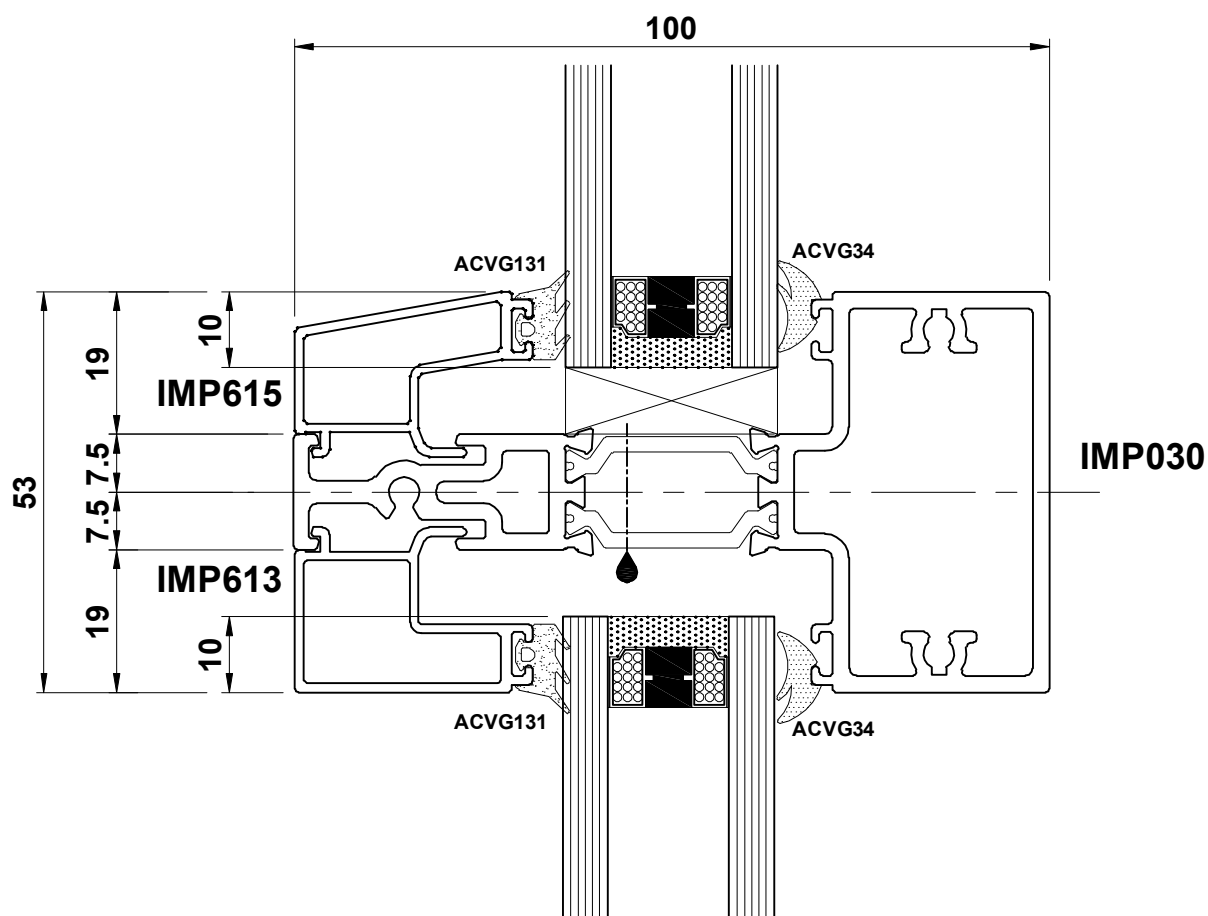
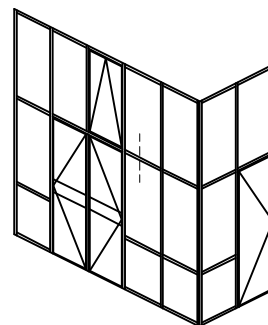
Do Not Scale From This Drawing

Detail 1B



Do Not Scale From This Drawing

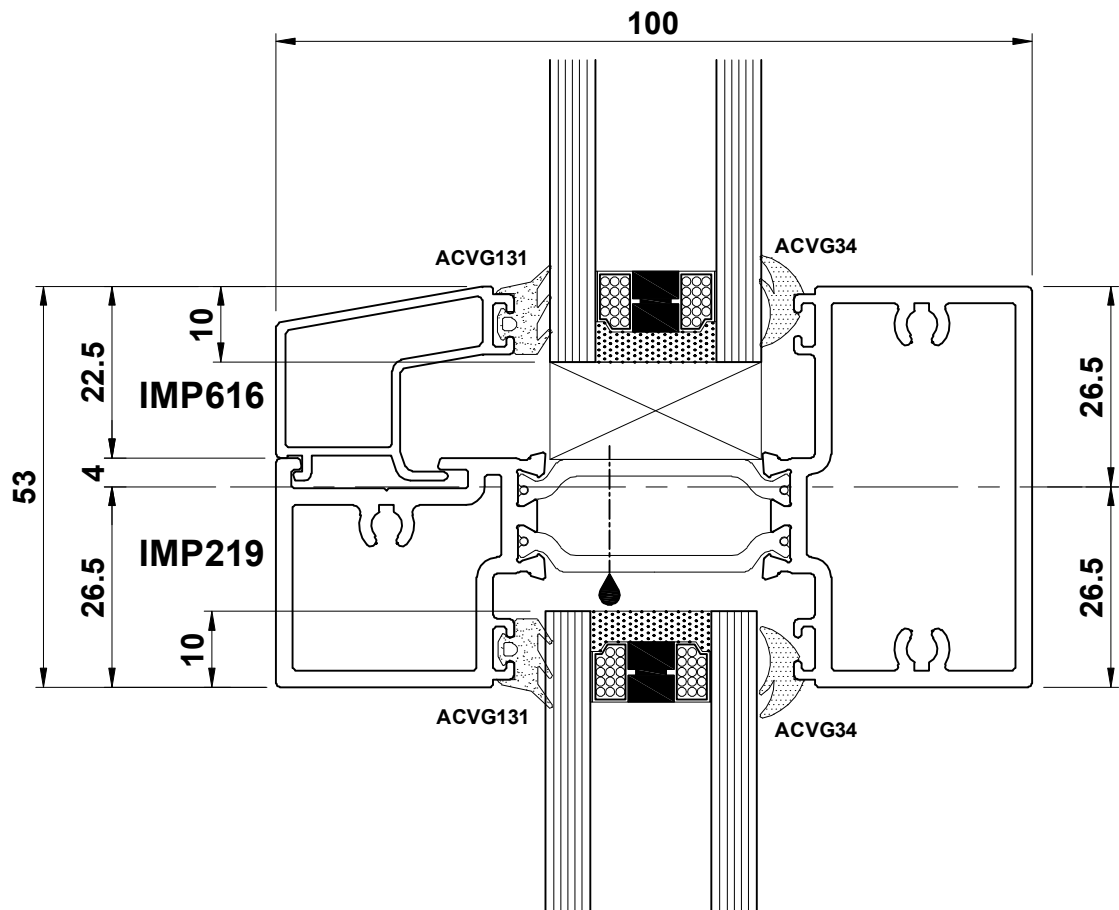
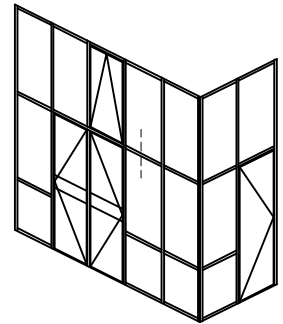
Detail 2A



Consider zone drainage for exposed locations or screens above 2400mm

Do Not Scale From This Drawing

Detail 2B

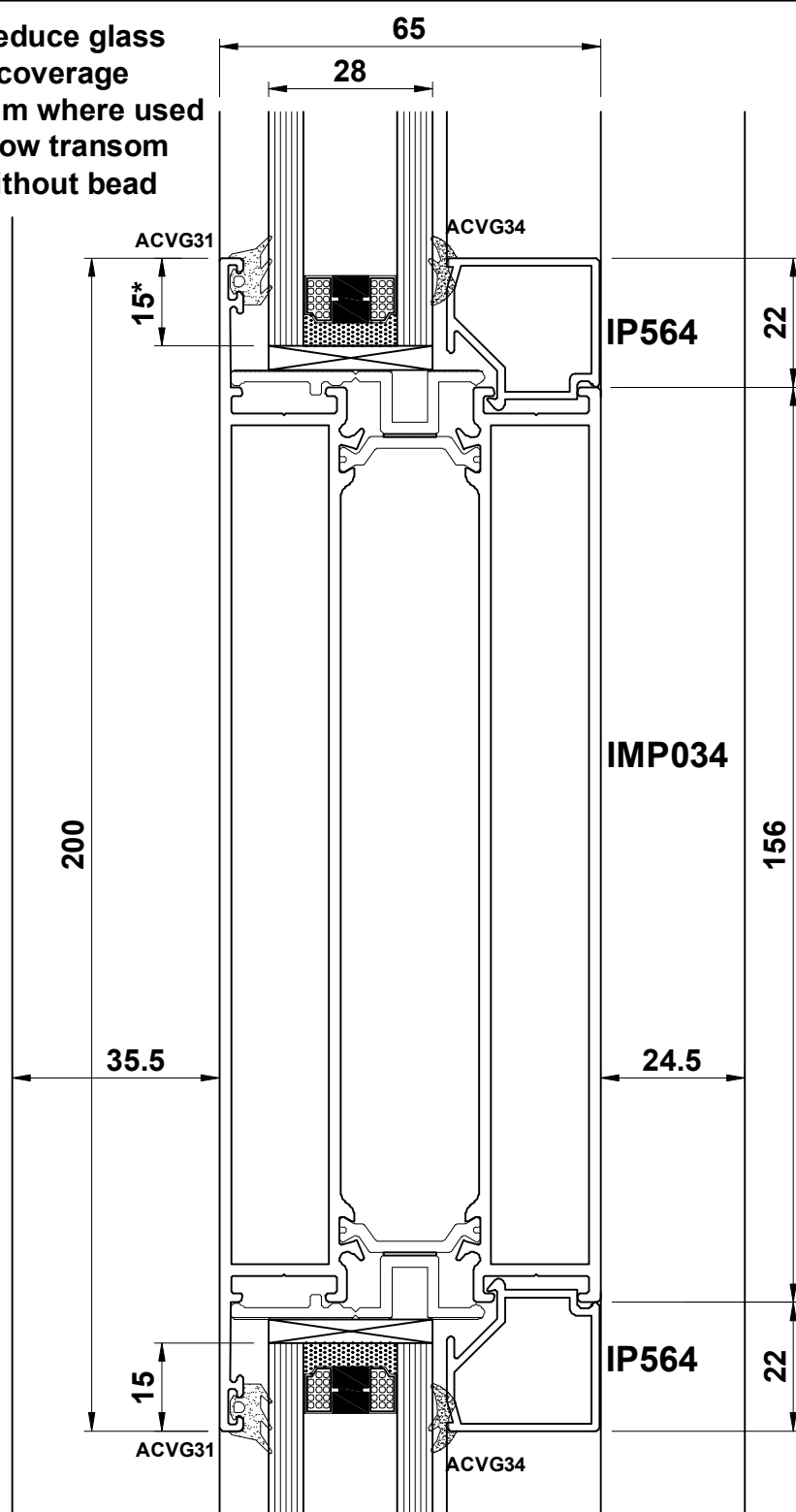


Consider zone drainage for exposed locations or screens above 2400mm

Do Not Scale From This Drawing

Detail 2C

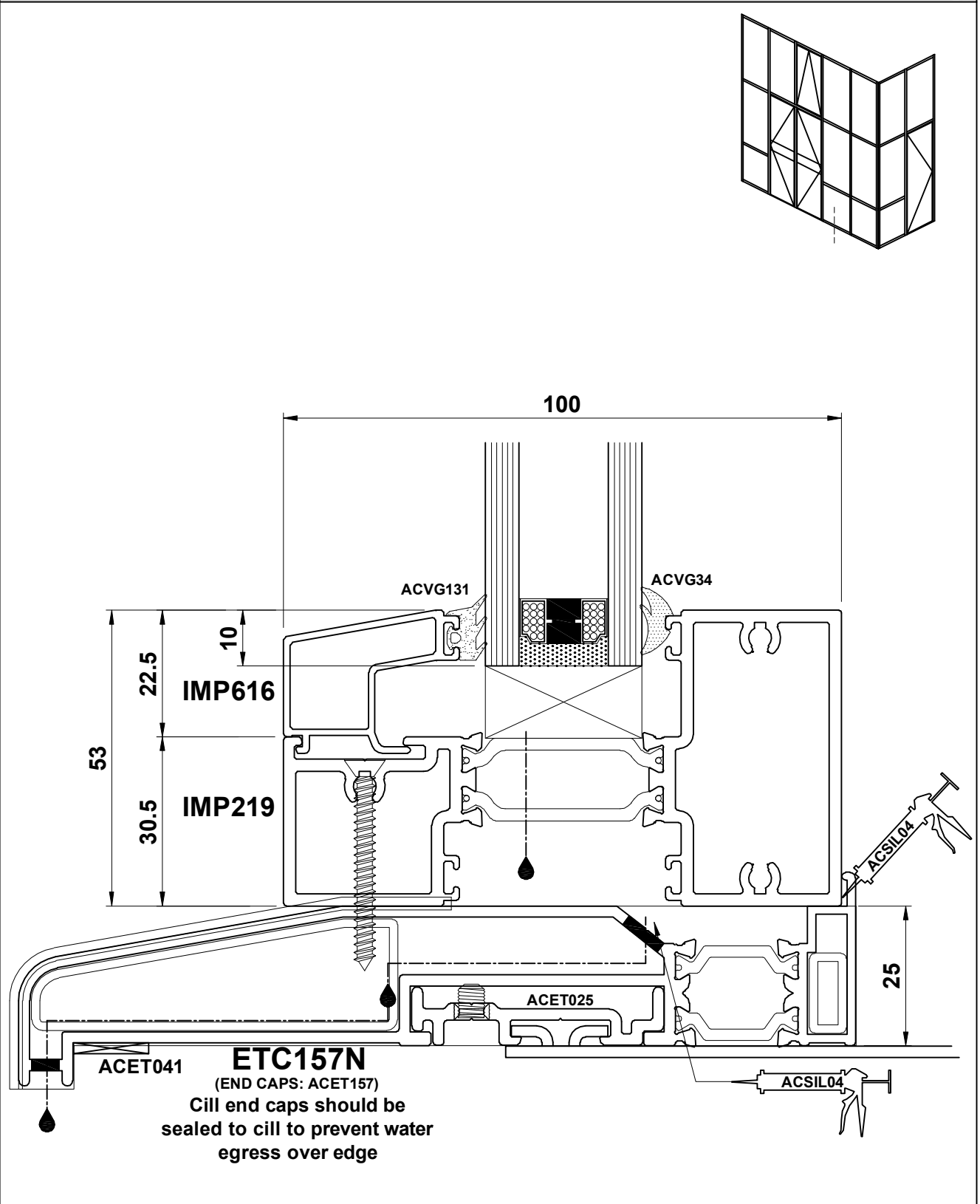
***Reduce glass coverage to 9mm where used below transom without bead**



IMP034 can be fitted into fixed screens using ACIM025 brackets

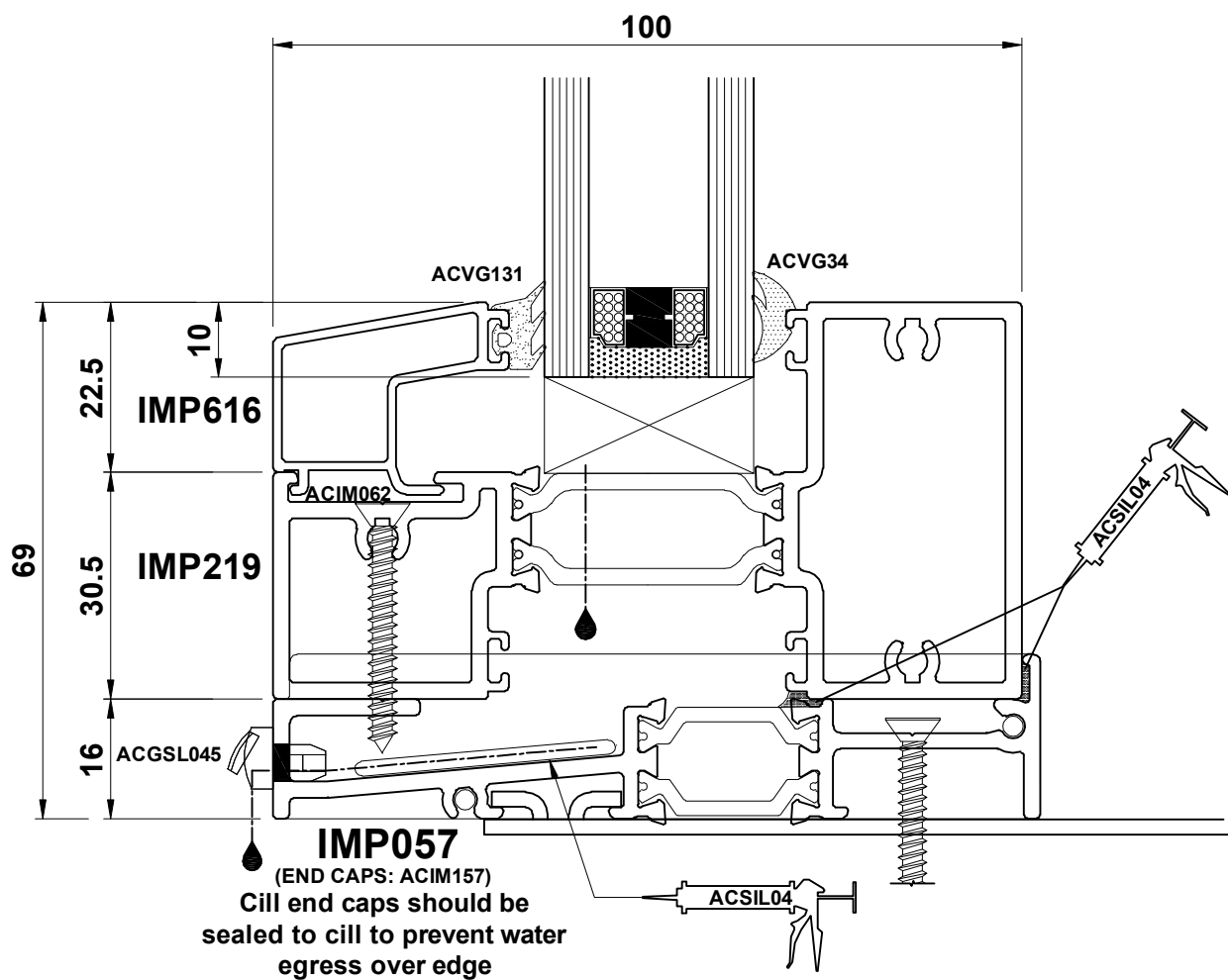
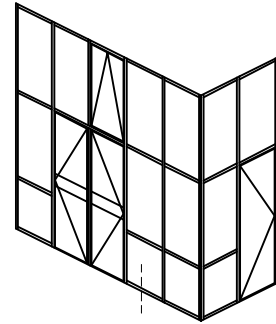
Do Not Scale From This Drawing

Detail 3A



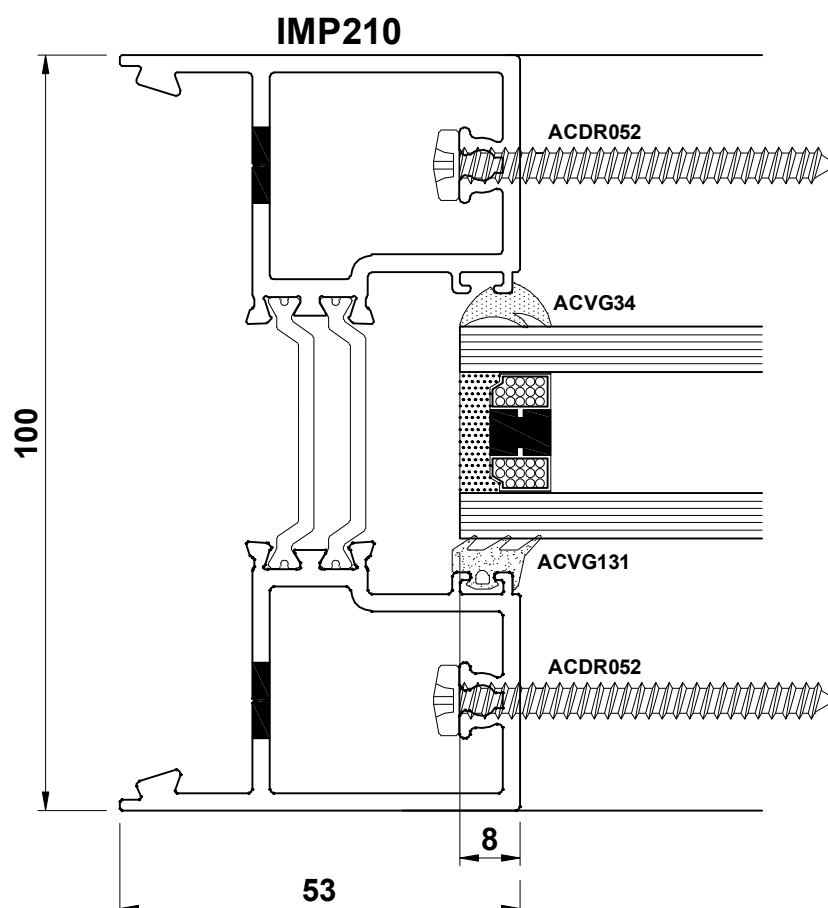
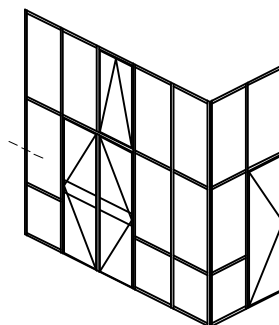
Do Not Scale From This Drawing

Detail 3B



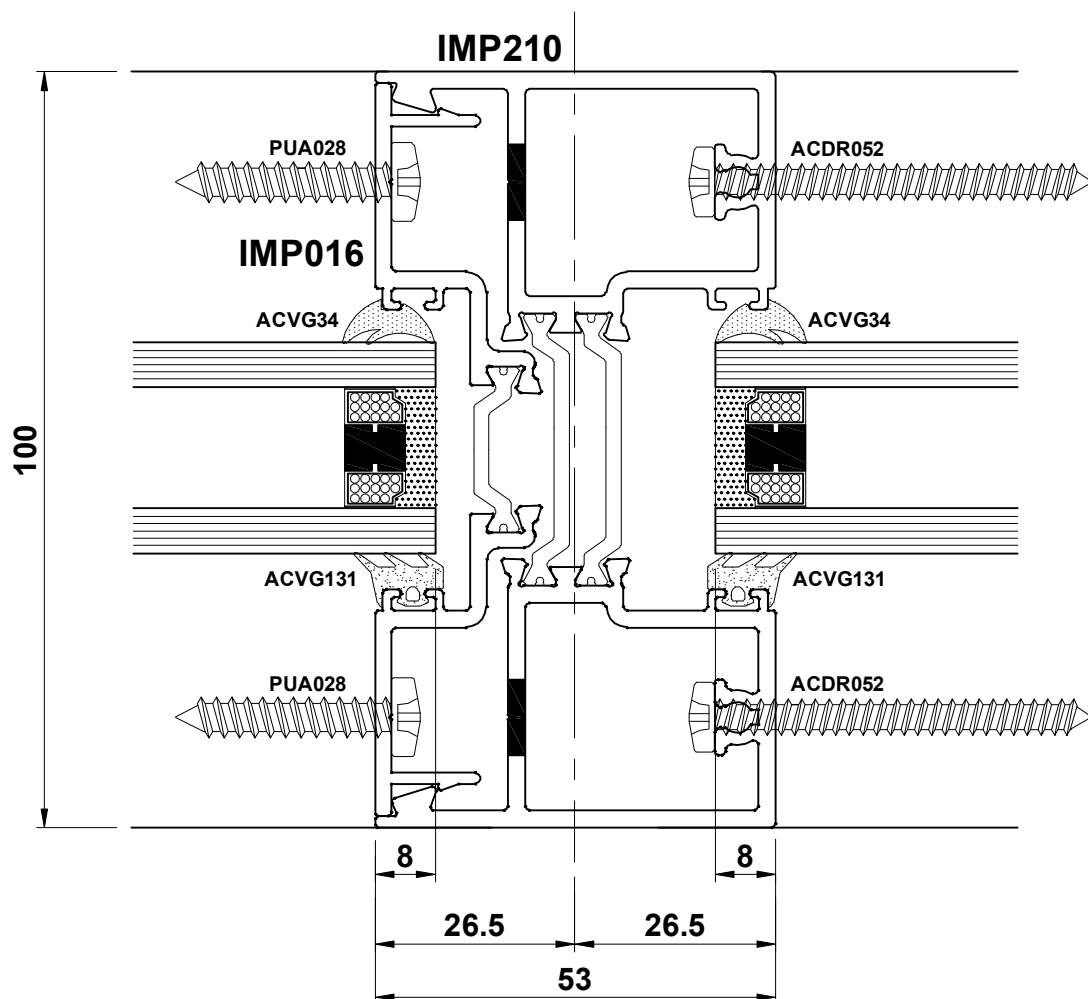
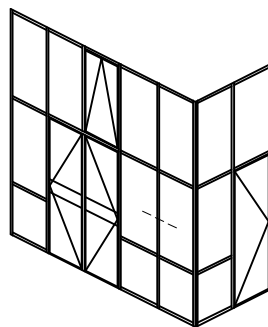
Do Not Scale From This Drawing

Detail 4



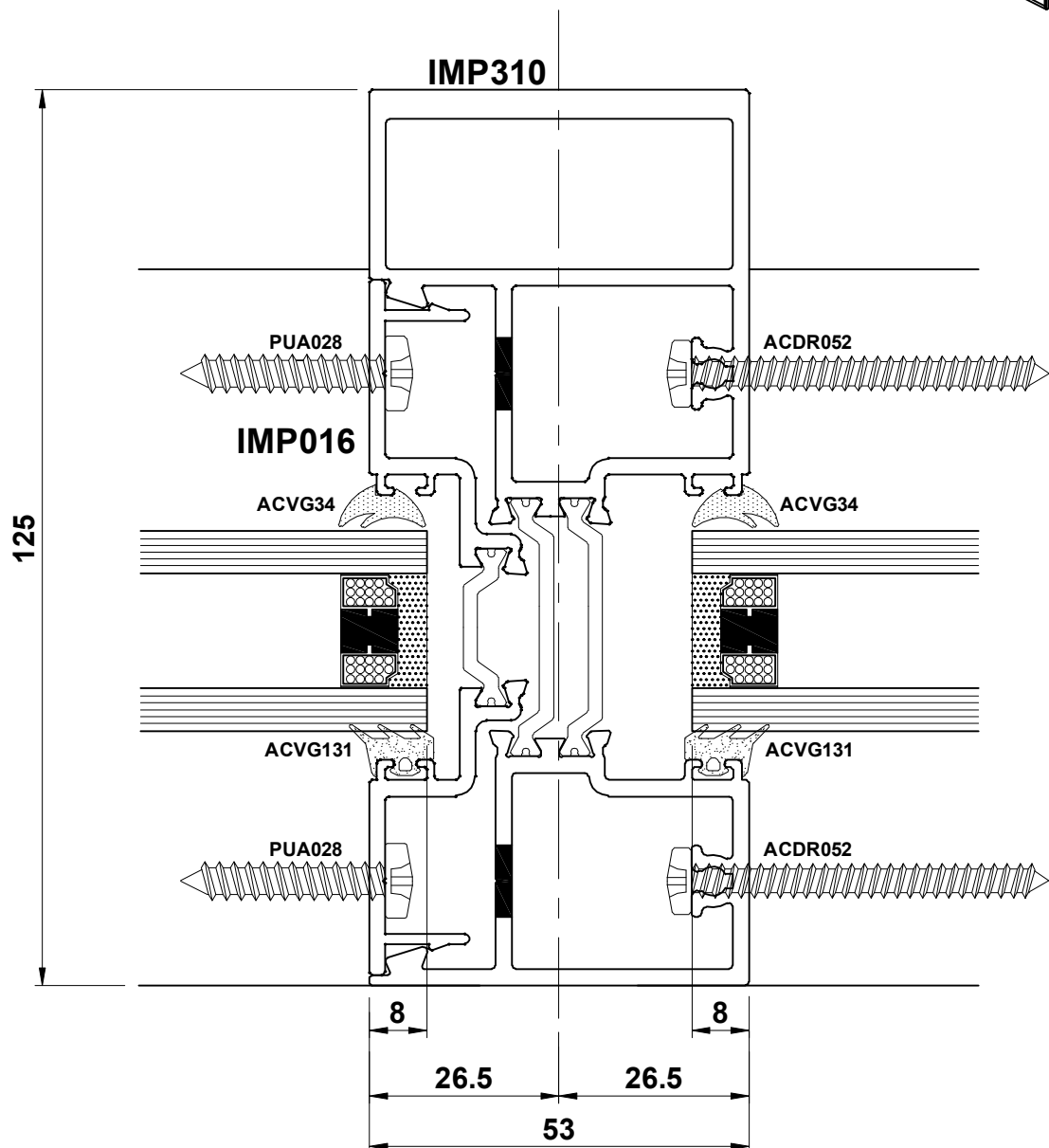
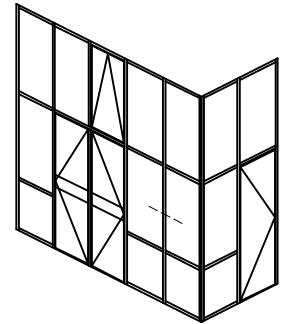
Do Not Scale From This Drawing

Detail 5A



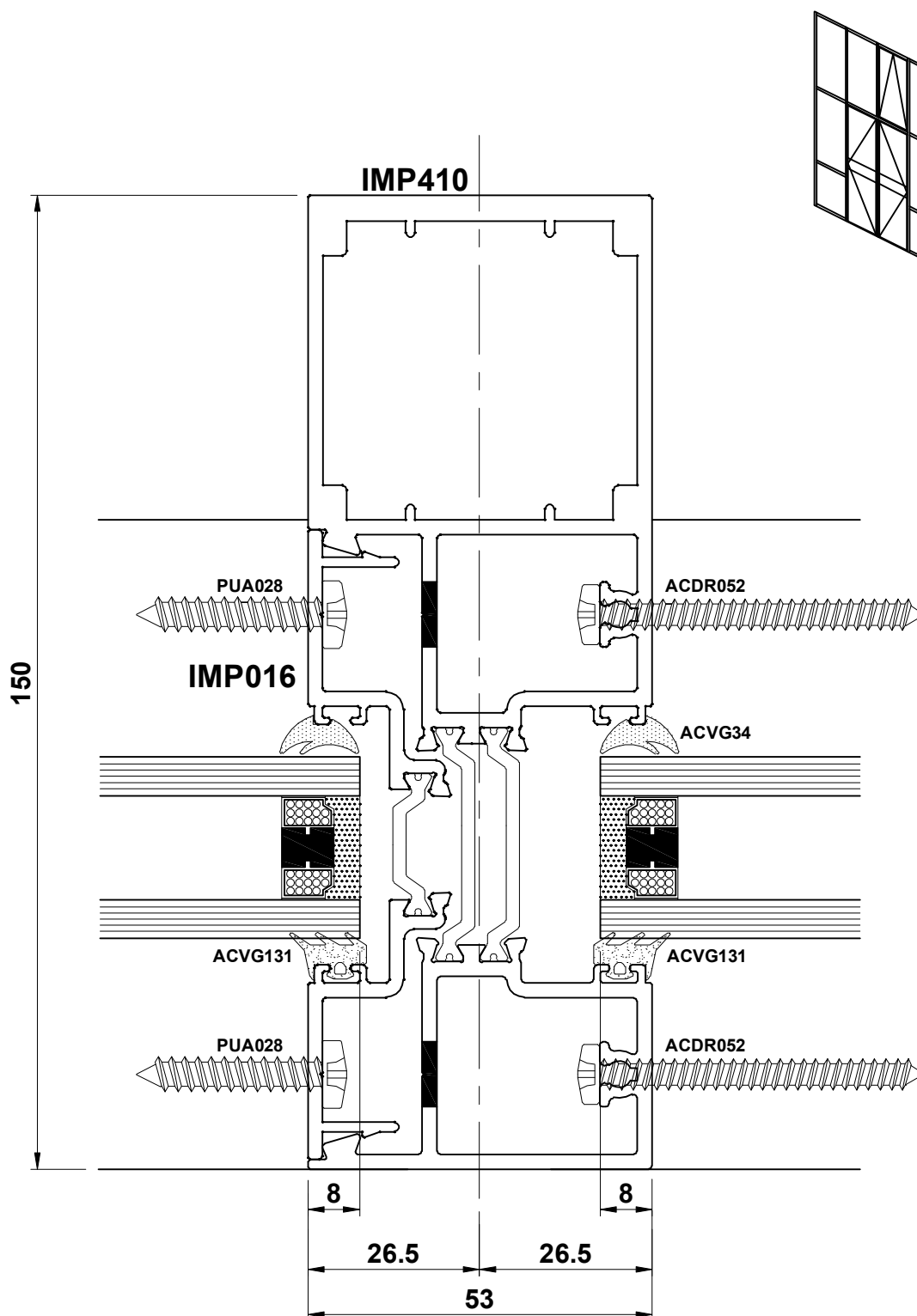
Do Not Scale From This Drawing

Detail 5B



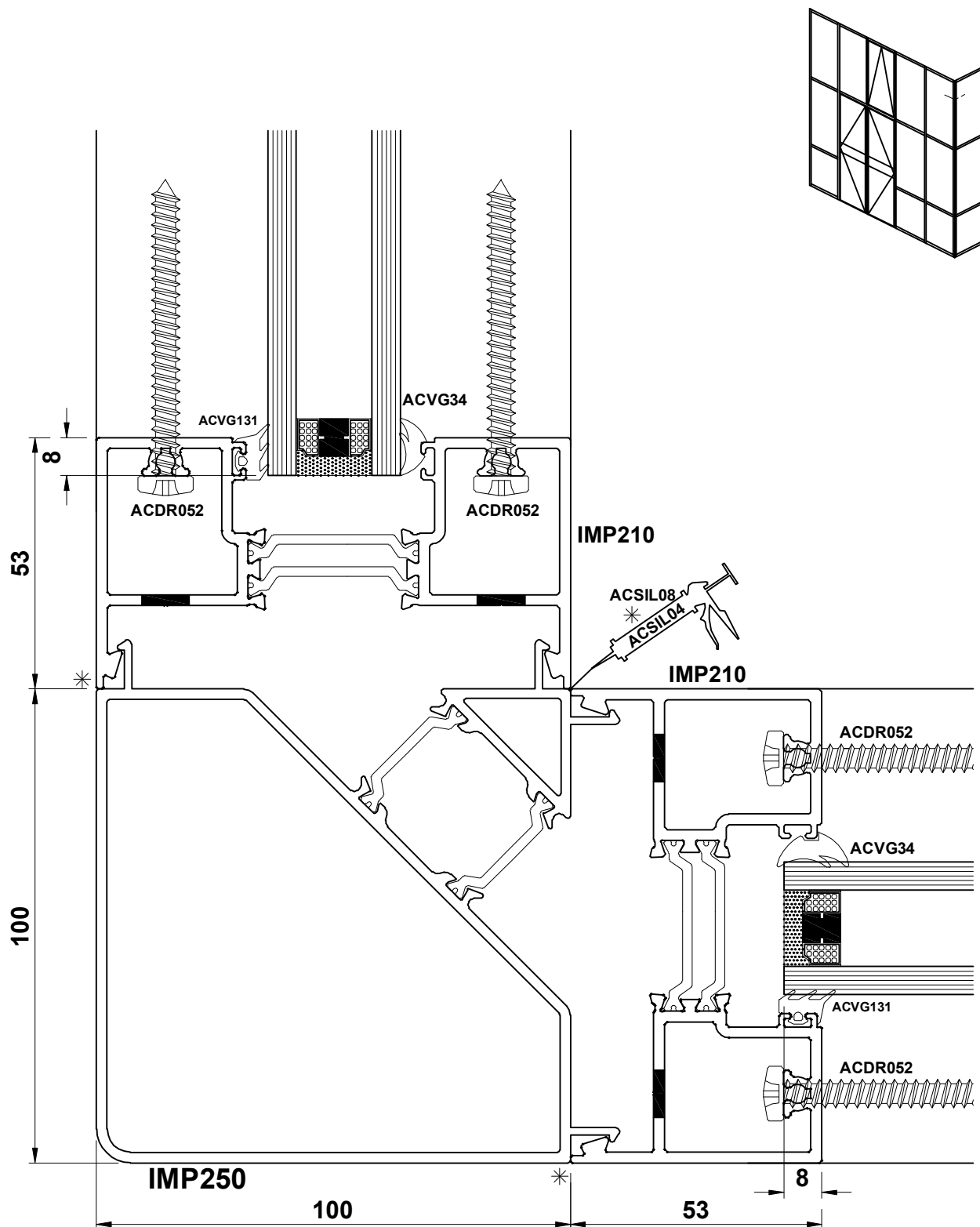
Do Not Scale From This Drawing

Detail 5C



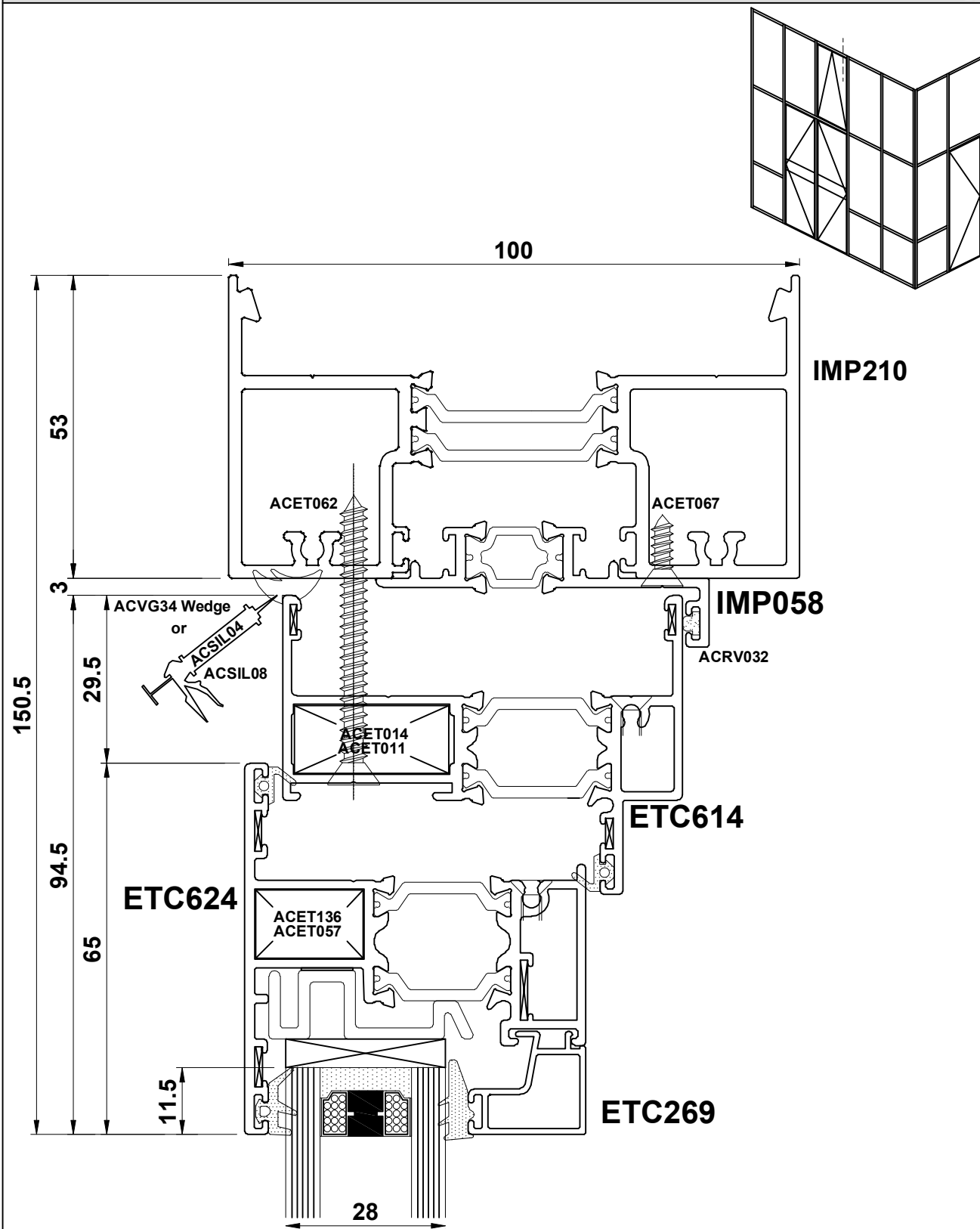
Do Not Scale From This Drawing

Detail 6



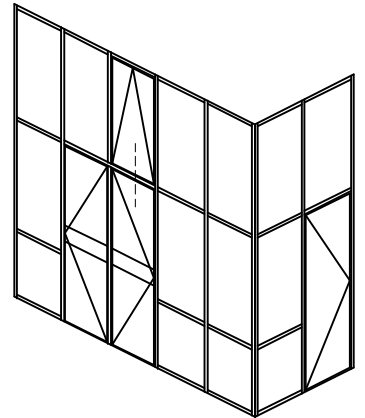
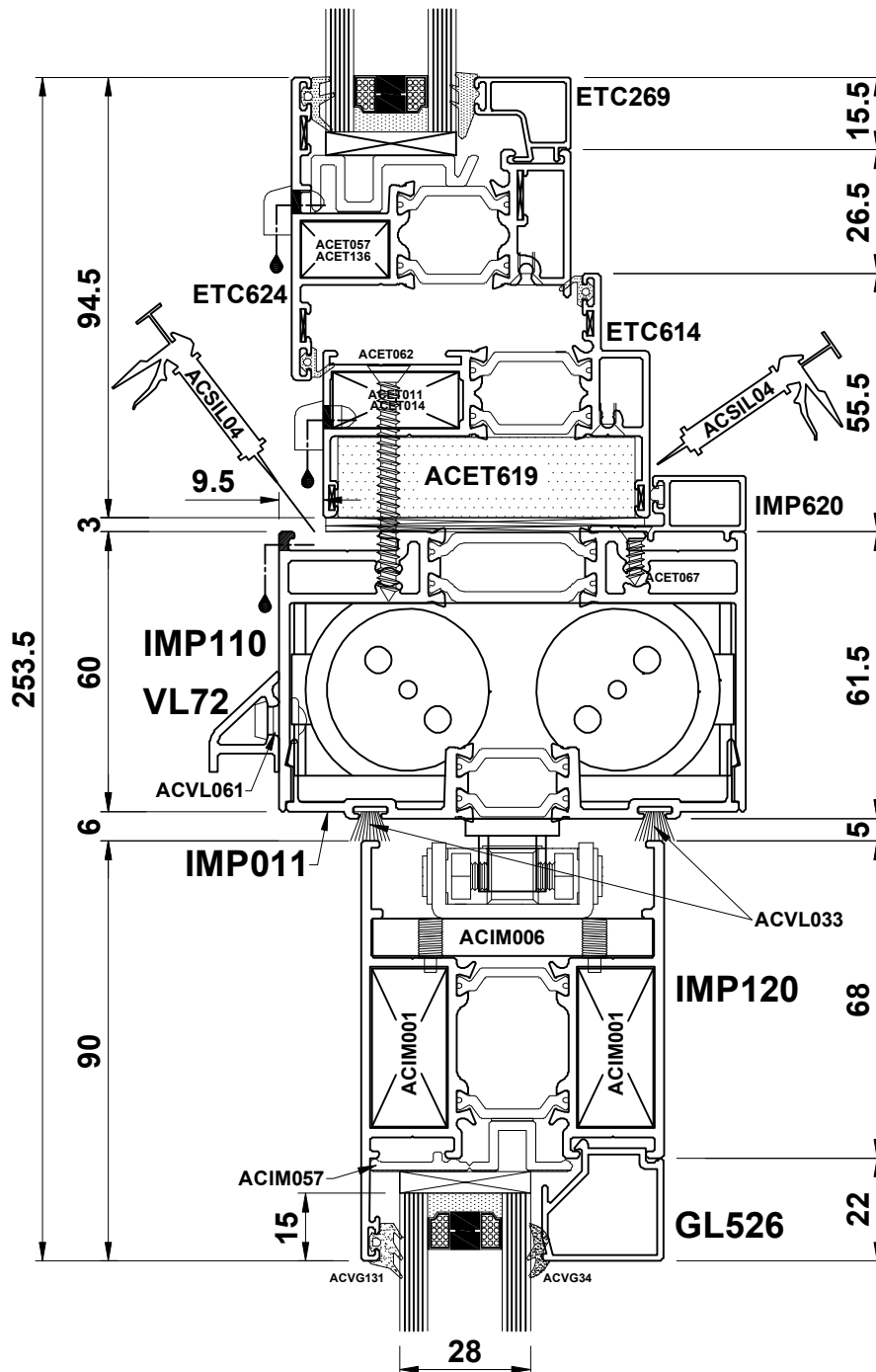
Do Not Scale From This Drawing

Detail 7



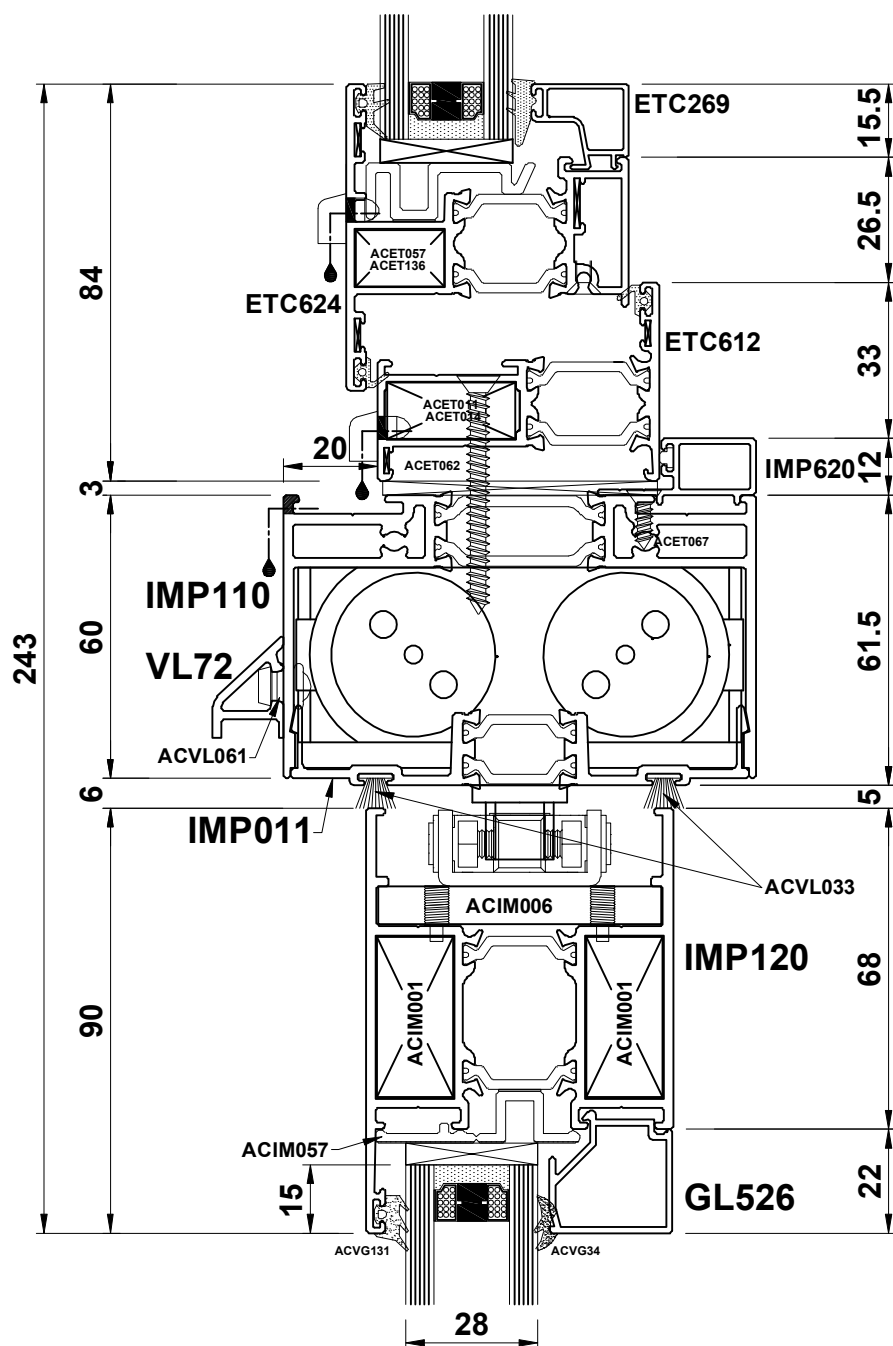
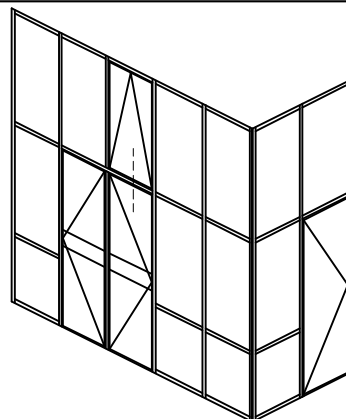
Do Not Scale From This Drawing

Detail 8A



Do Not Scale From This Drawing

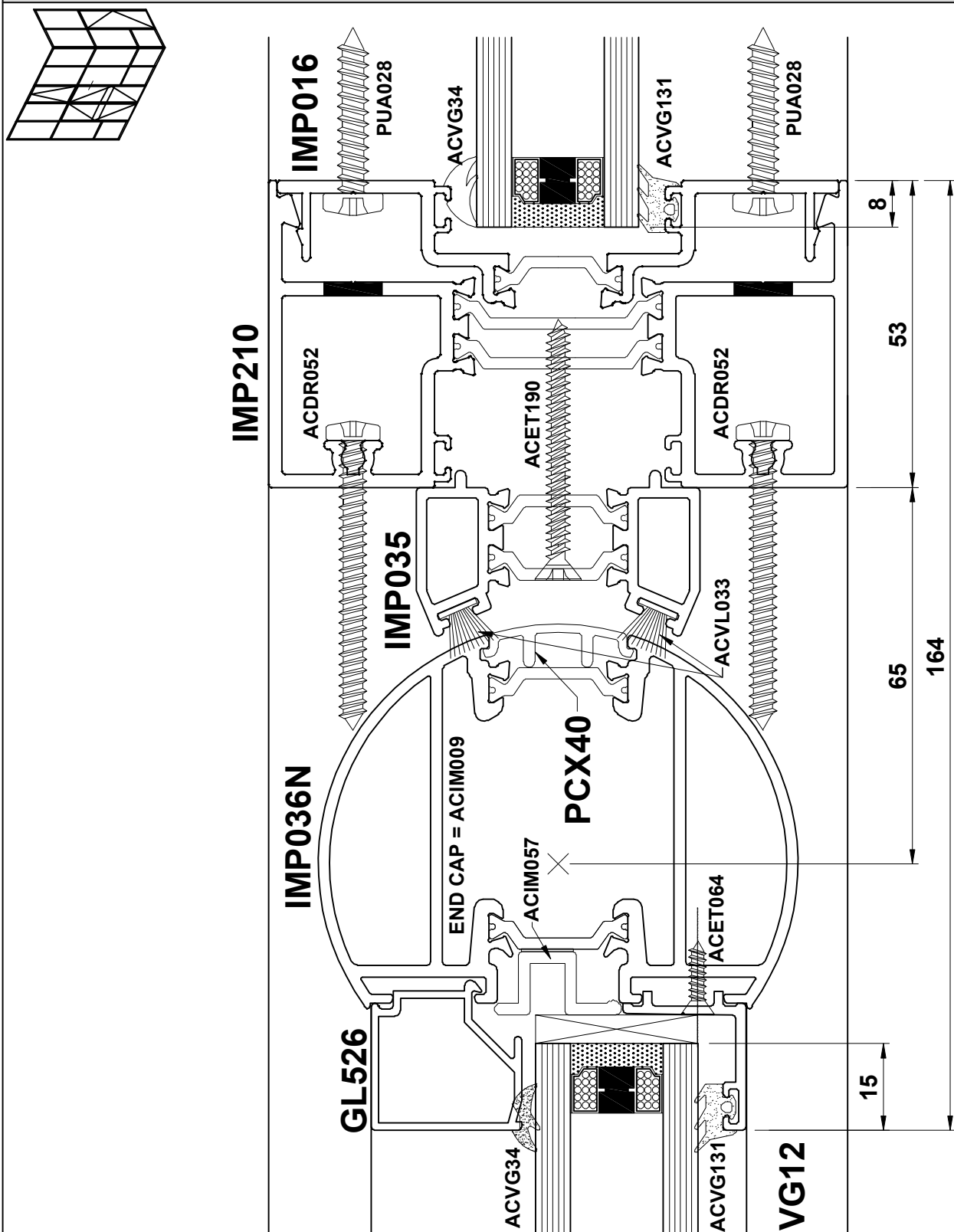
Detail 8B



Do Not Scale From This Drawing

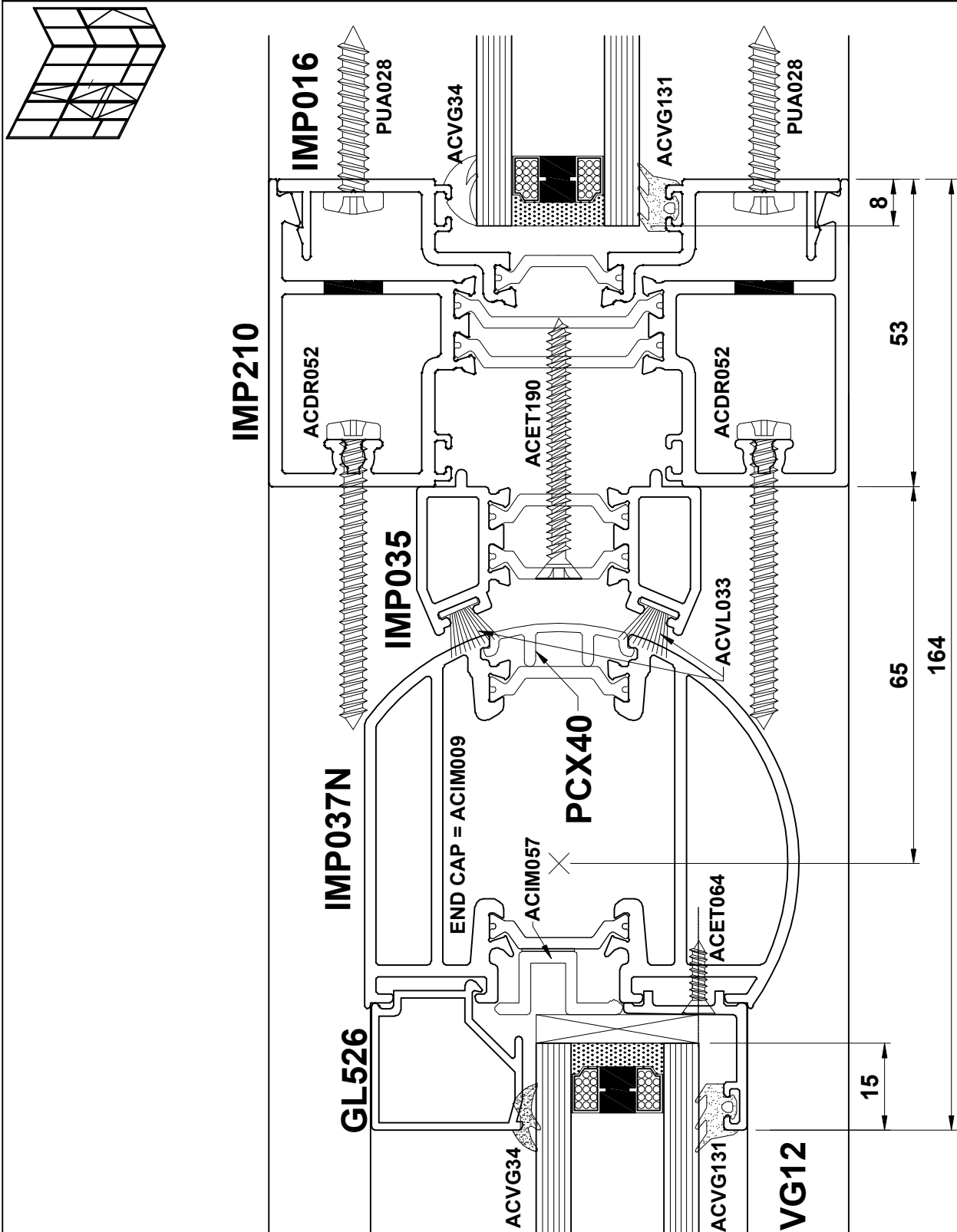


Detail 10A



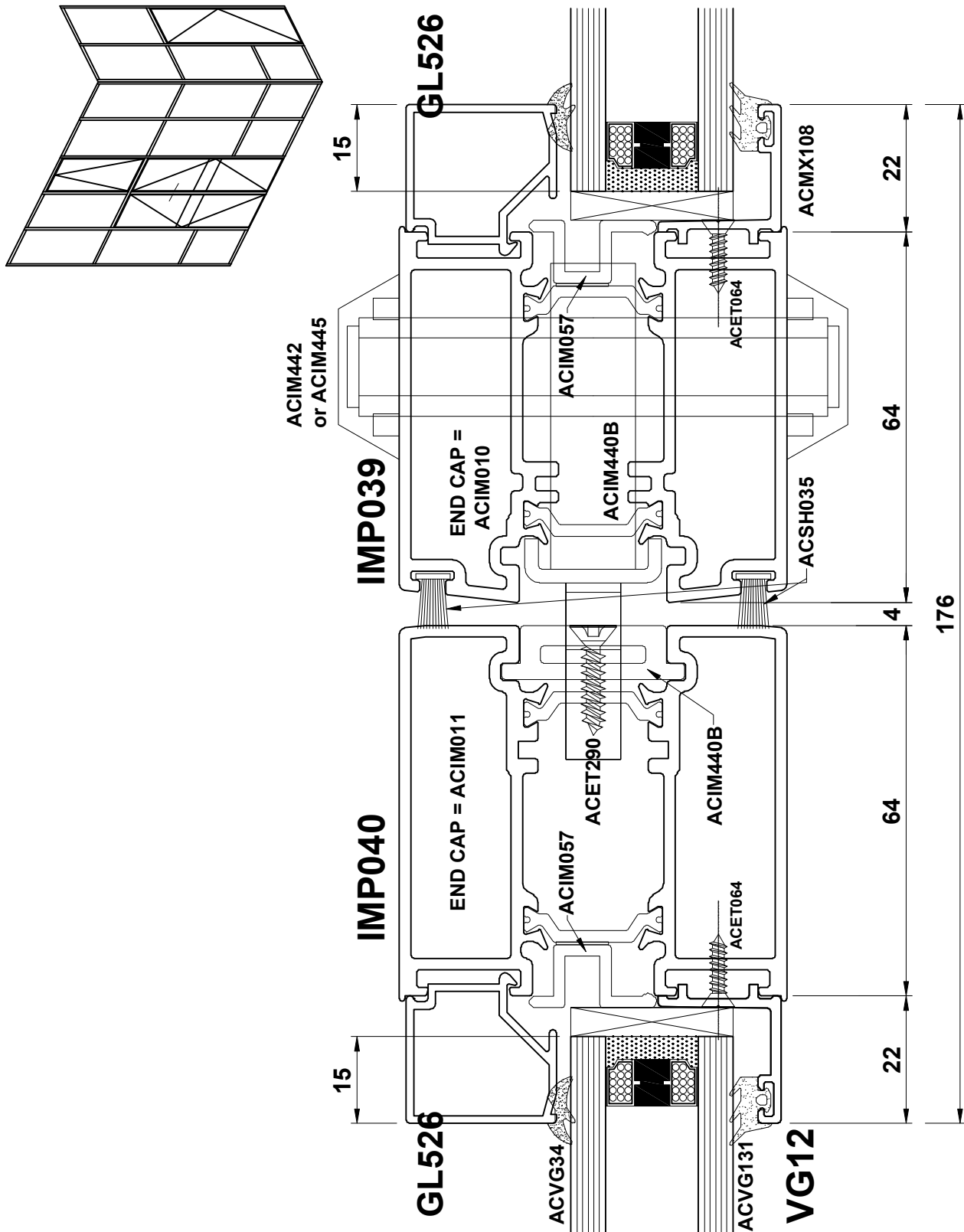
Do Not Scale From This Drawing

Detail 10B



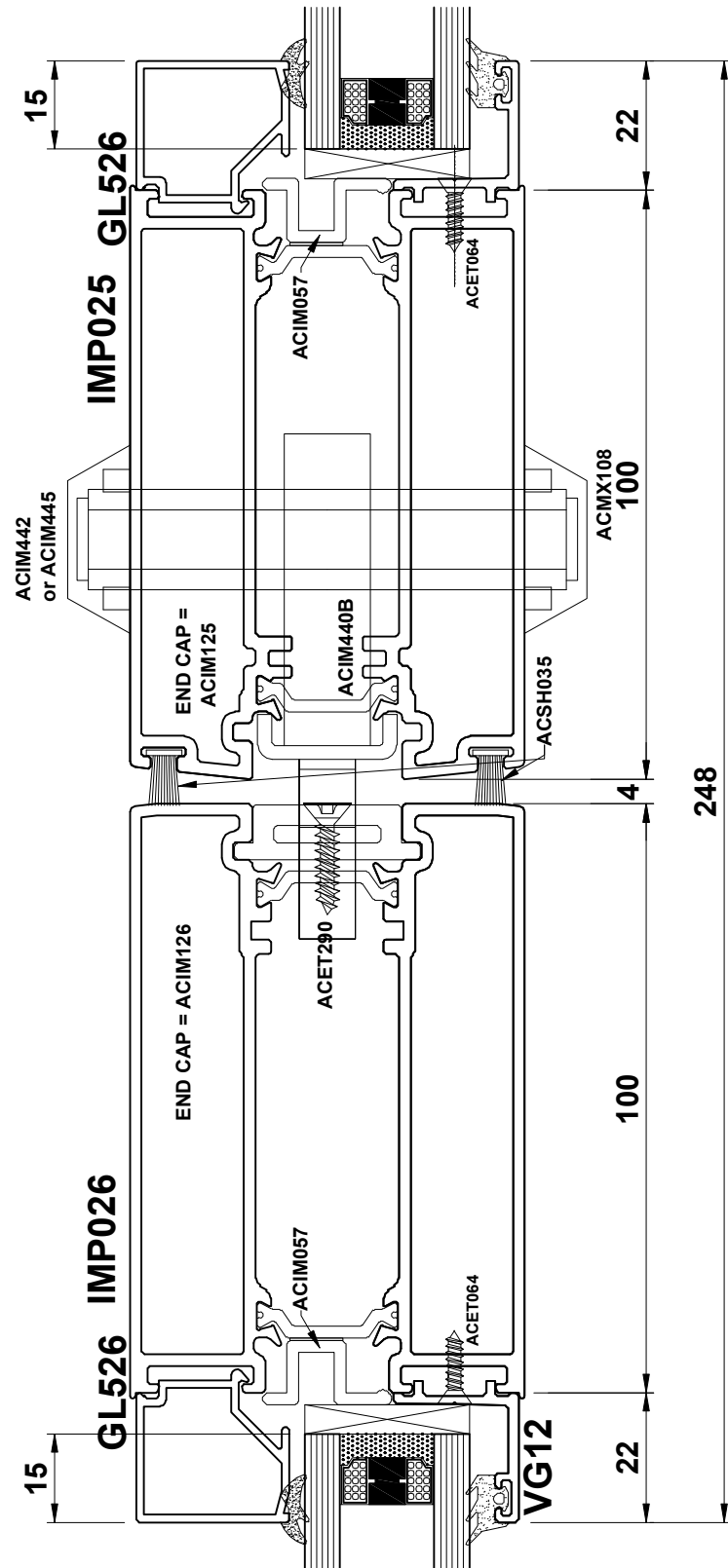
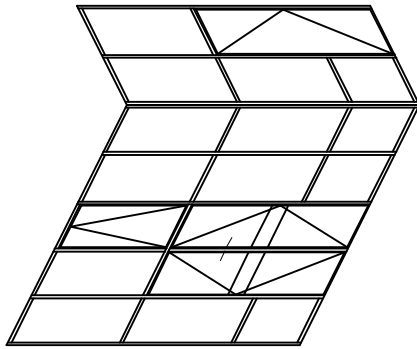
Do Not Scale From This Drawing

Detail 11A

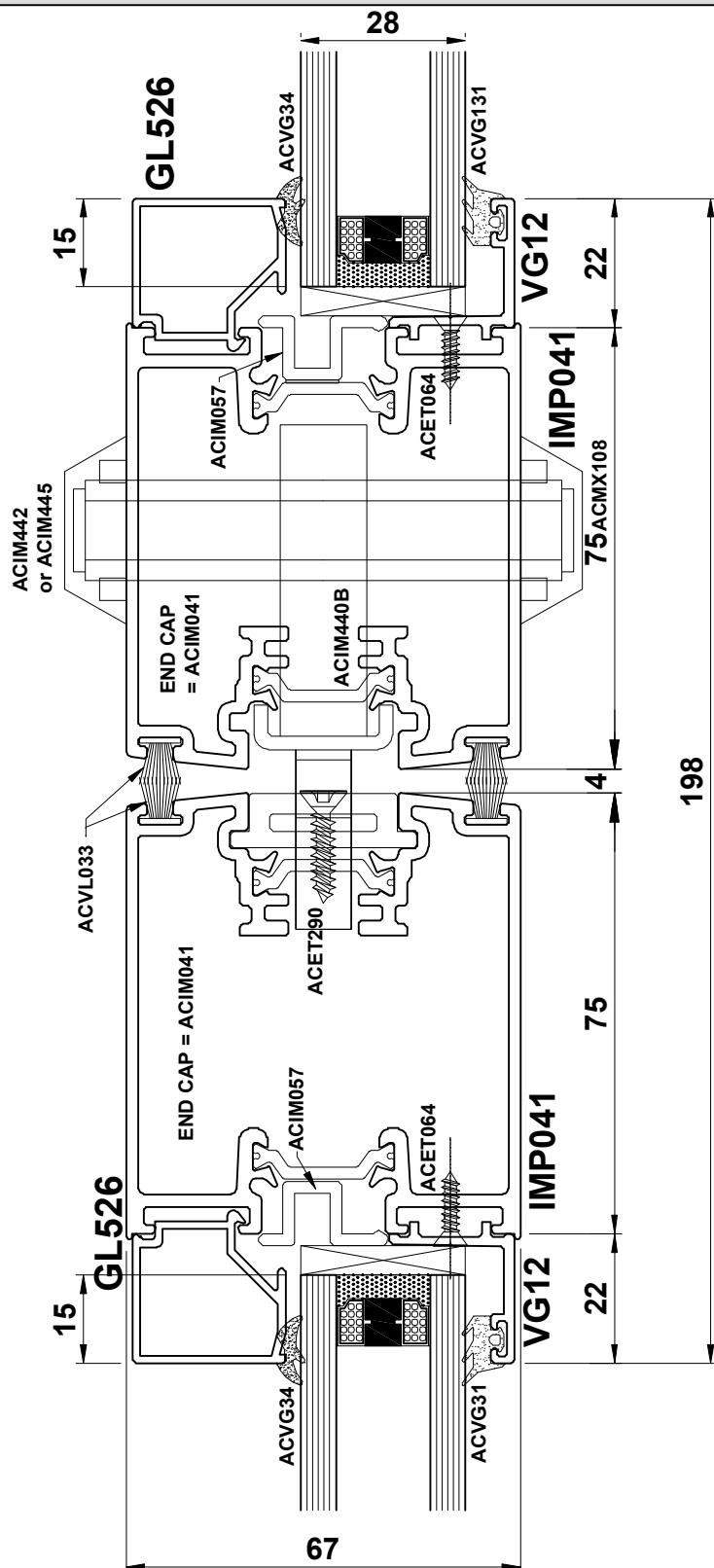


Do Not Scale From This Drawing

Detail 11B

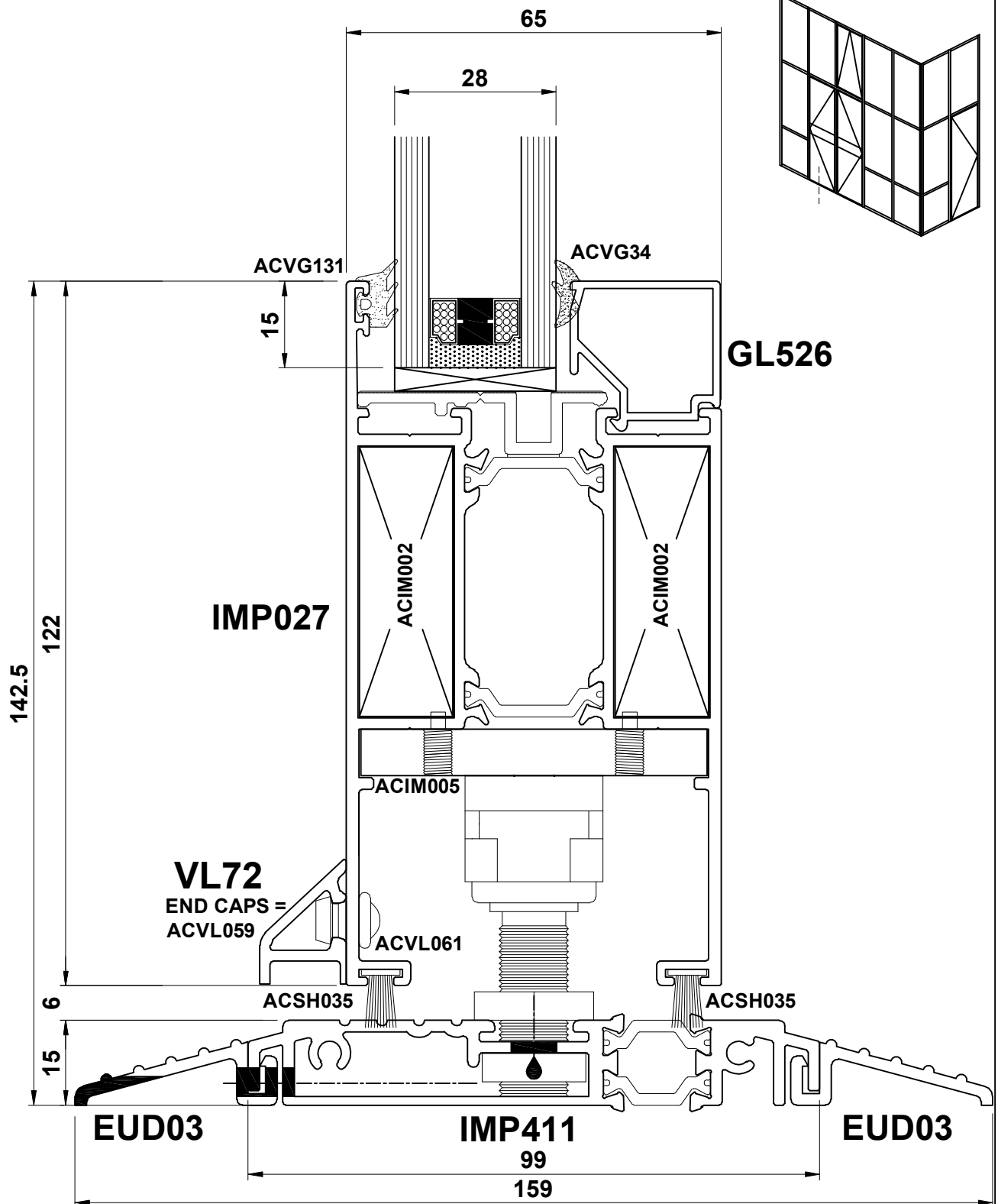


Do Not Scale From This Drawing



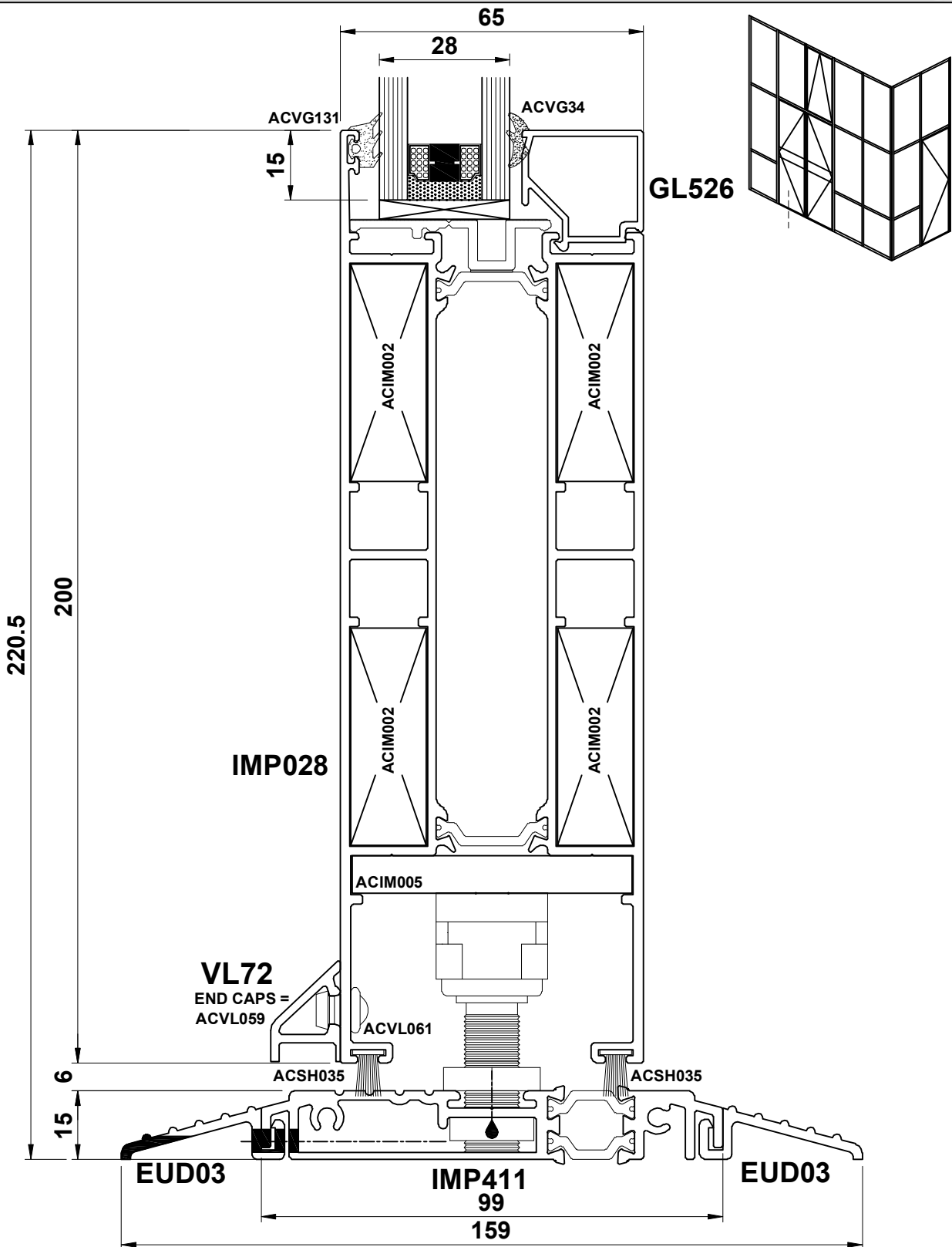
Do Not Scale From This Drawing

Detail 12A



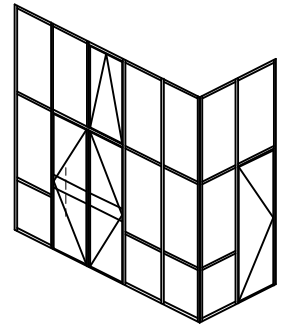
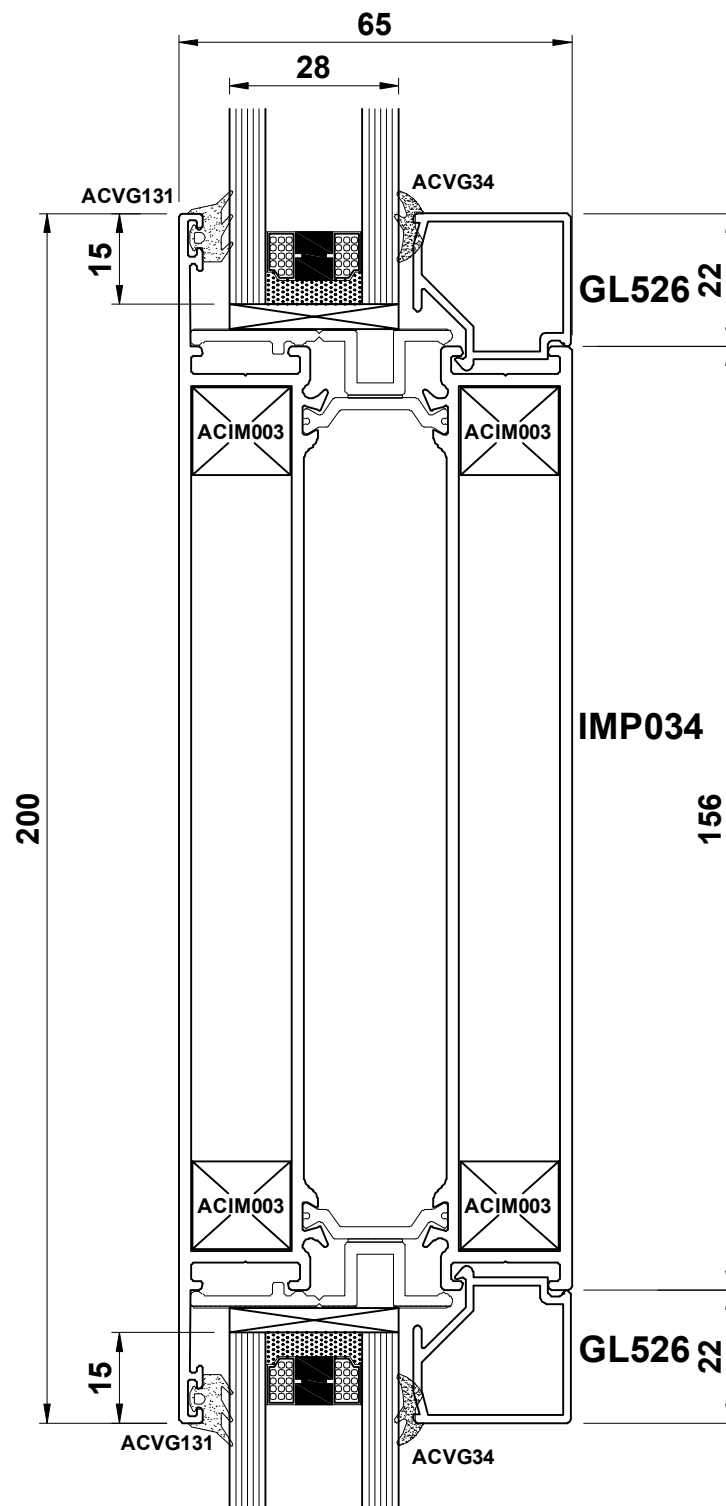
Do Not Scale From This Drawing

Detail 12B



Do Not Scale From This Drawing

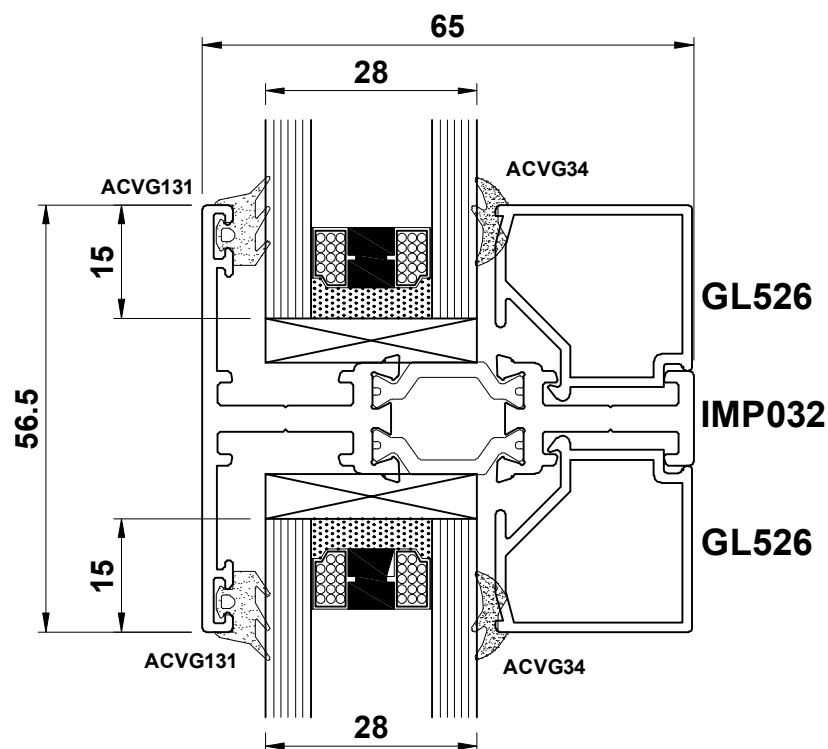
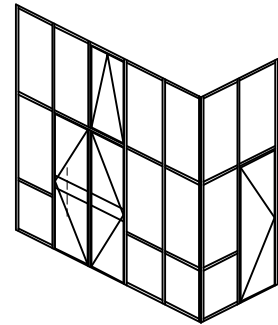
Detail 13A



IMP034 can be fitted into fixed screens using ACIM025 brackets
Please Note: Door rails are not compatible with IMP215.

Do Not Scale From This Drawing

Detail 13B

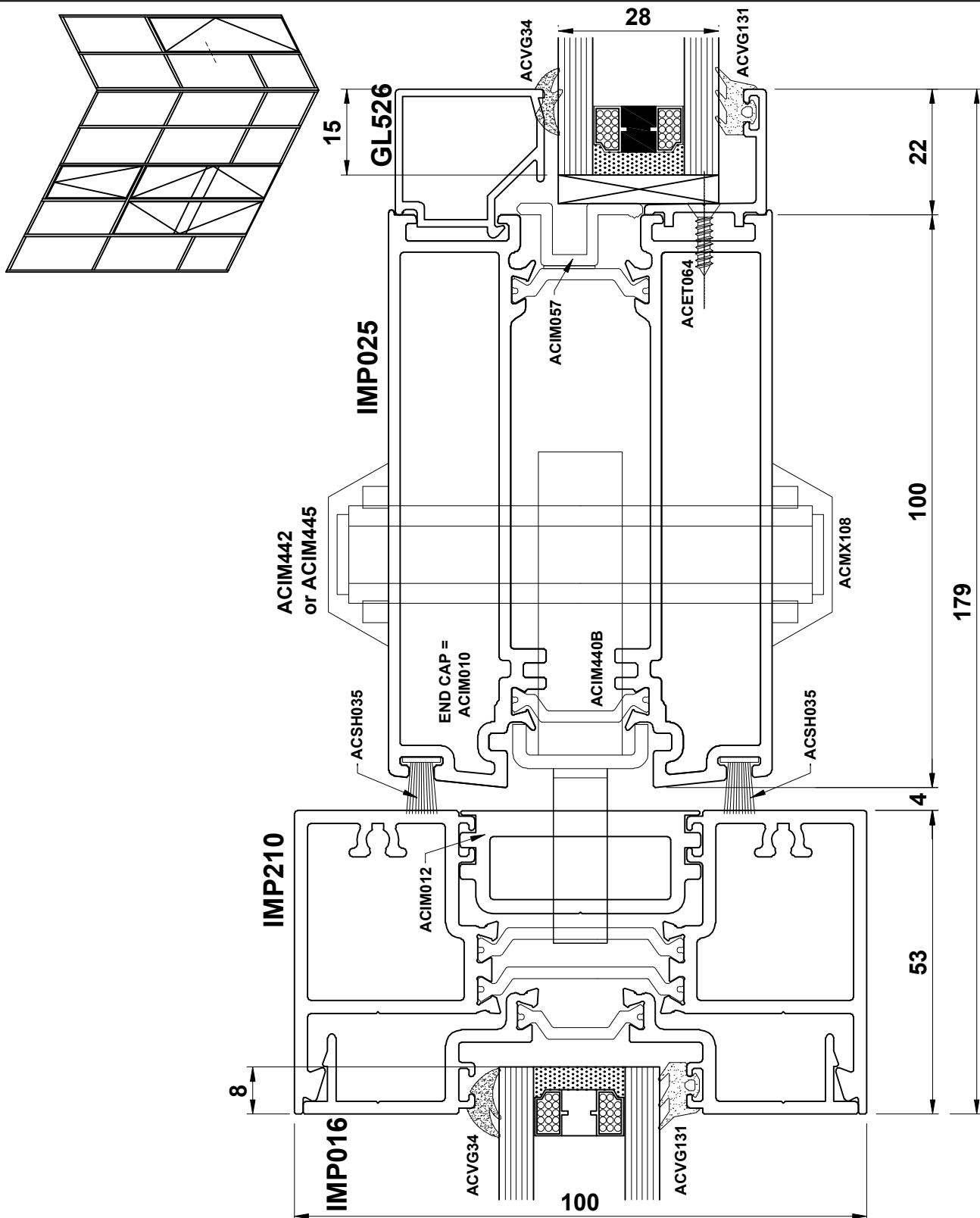


Brackets = ACIM032

Do Not Scale From This Drawing

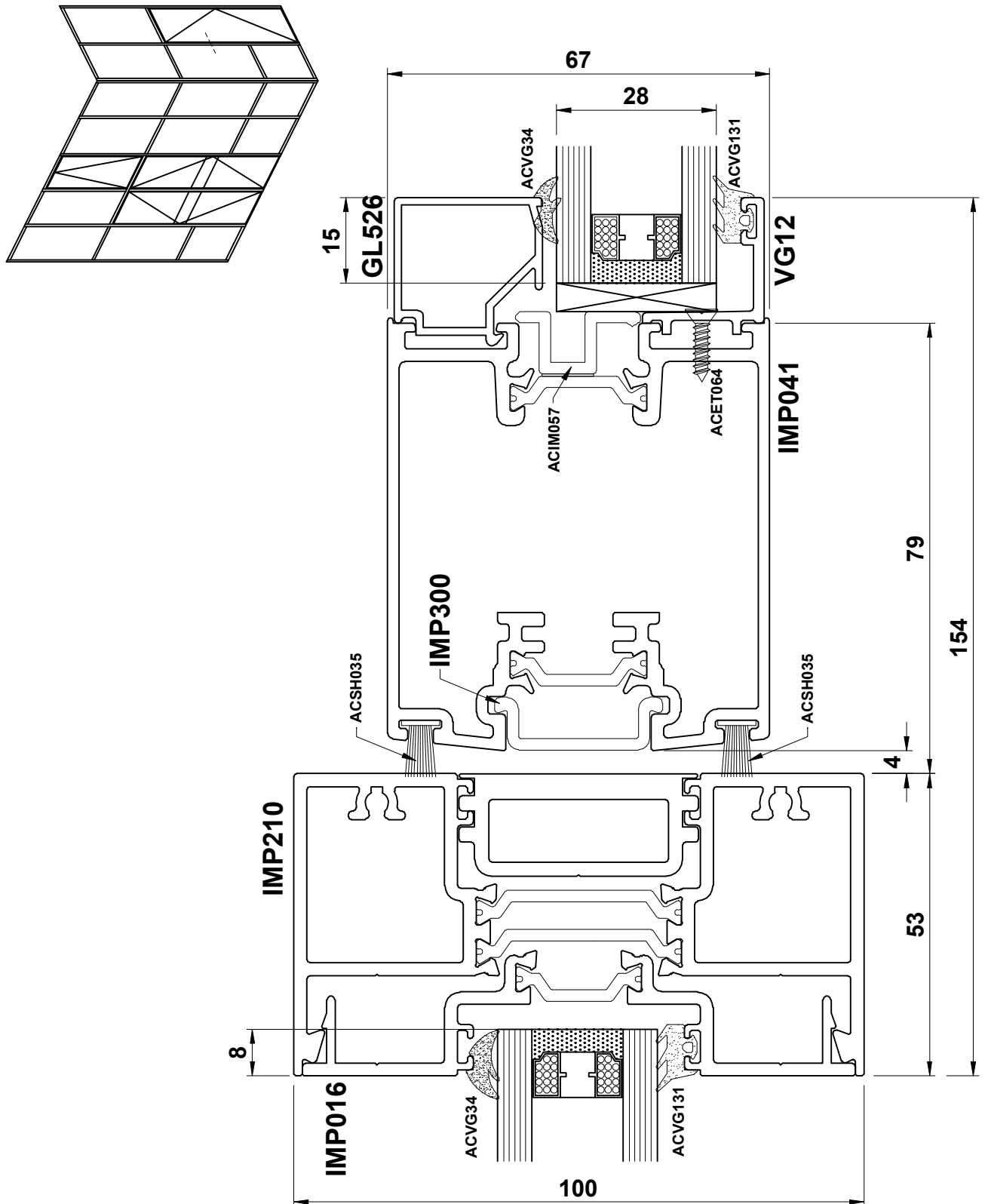


Detail 14B

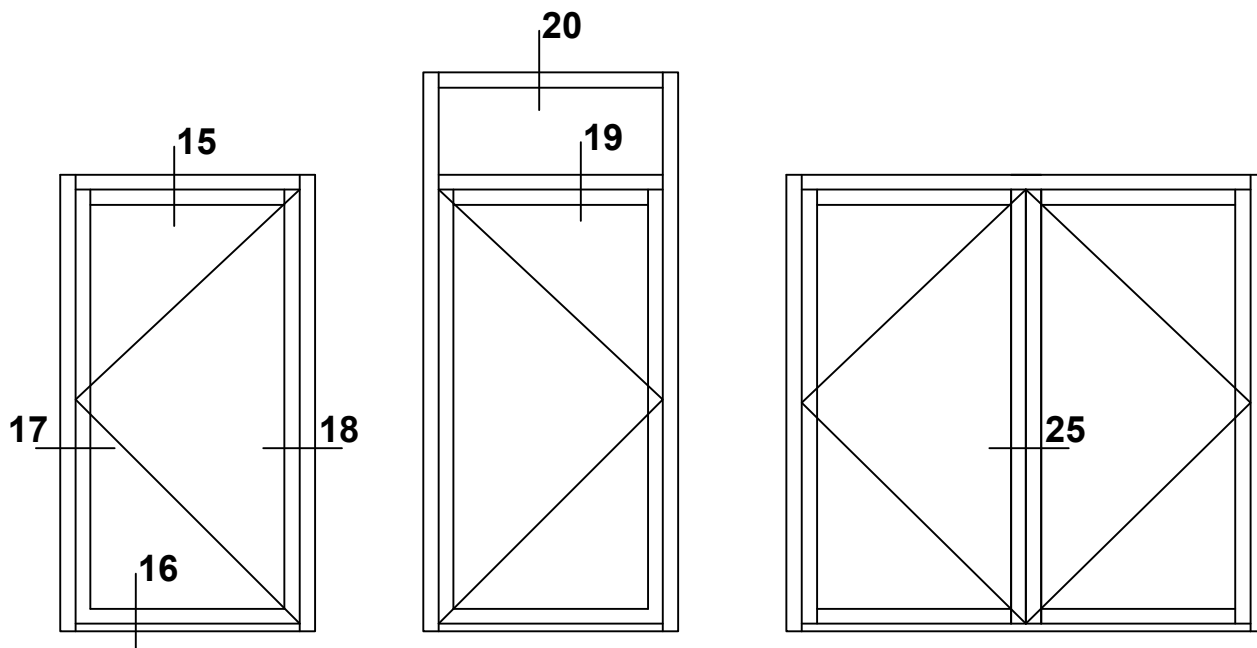


Do Not Scale From This Drawing

Detail 14C



Do Not Scale From This Drawing

Rebated Doors - Hinged

Weight Limitations:

2 Hinges = 80kg

3 Hinges = 100kg

Please note that door closers increase the loading of the door and their rate of wear. When calculating the weight of the door, 20% should be added to allow for the impact of a door closer without back-check and 75% should be added when using a closer with back-check.

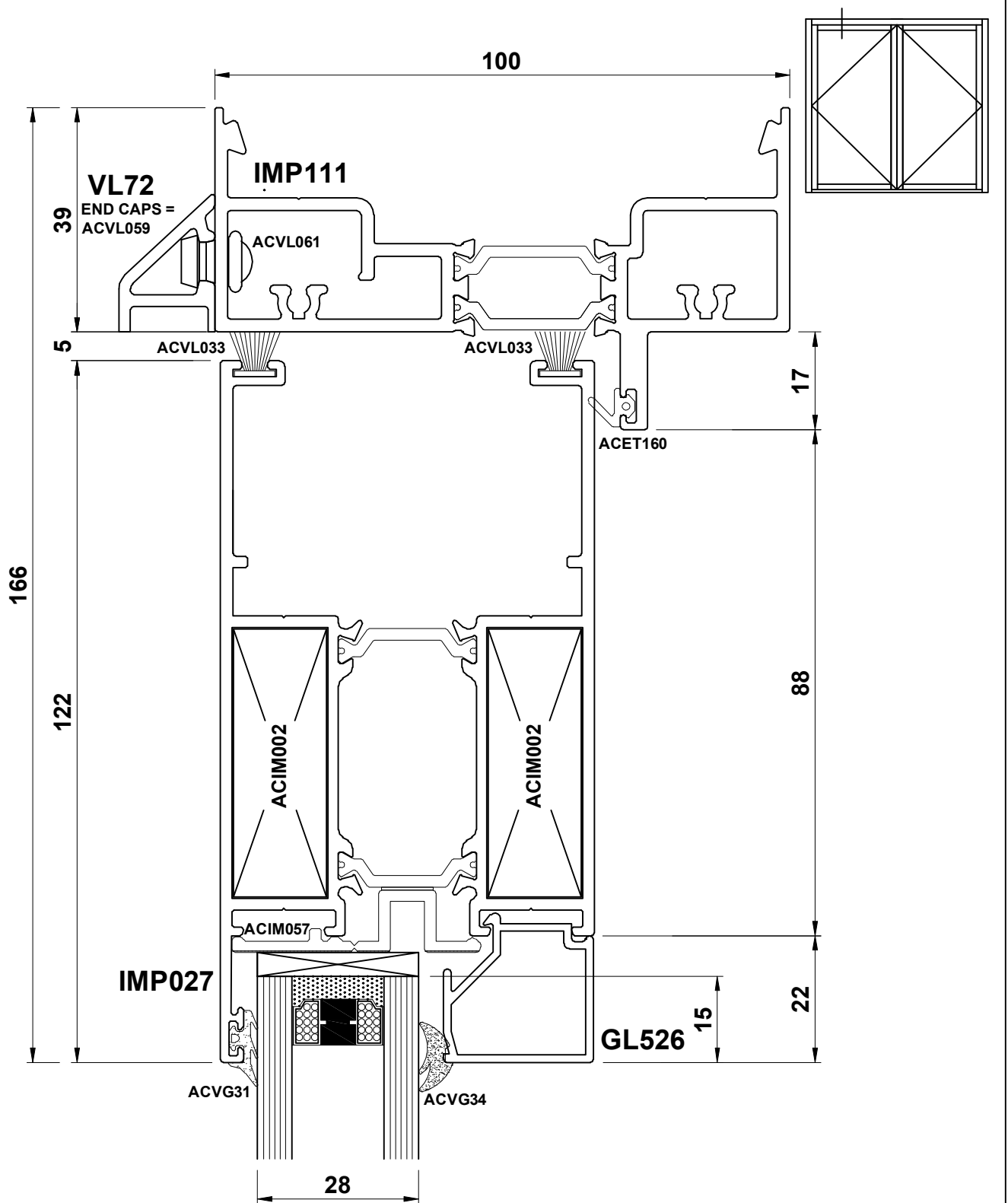
Example:

Door closer without back-check: $65\text{kg} + 20\% = 78\text{kg}$ (2 hinges)

Door closer with back-check: $55\text{kg} + 75\% = 96\text{kg}$ (3 hinges)

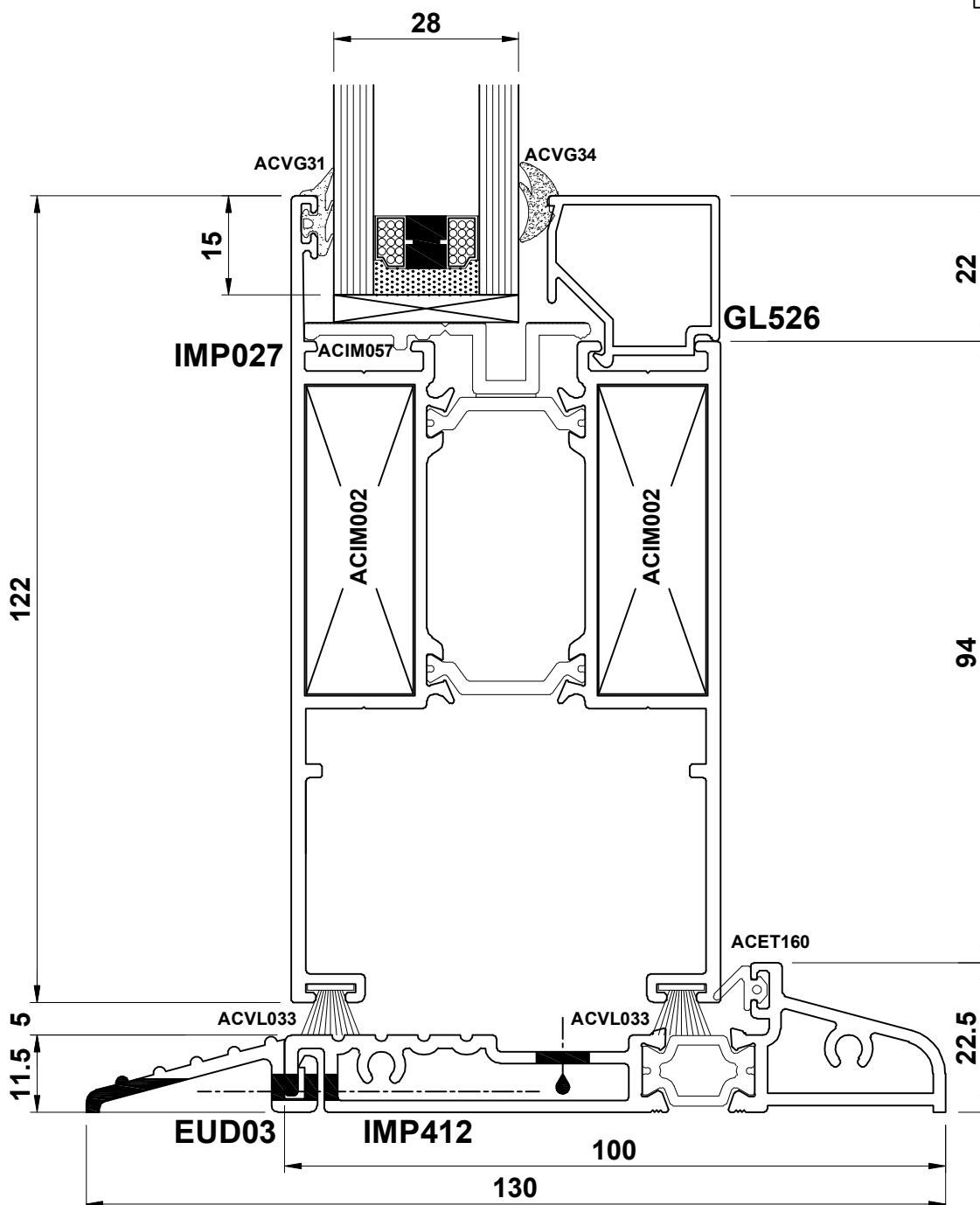
Do Not Scale From This Drawing

Detail 15



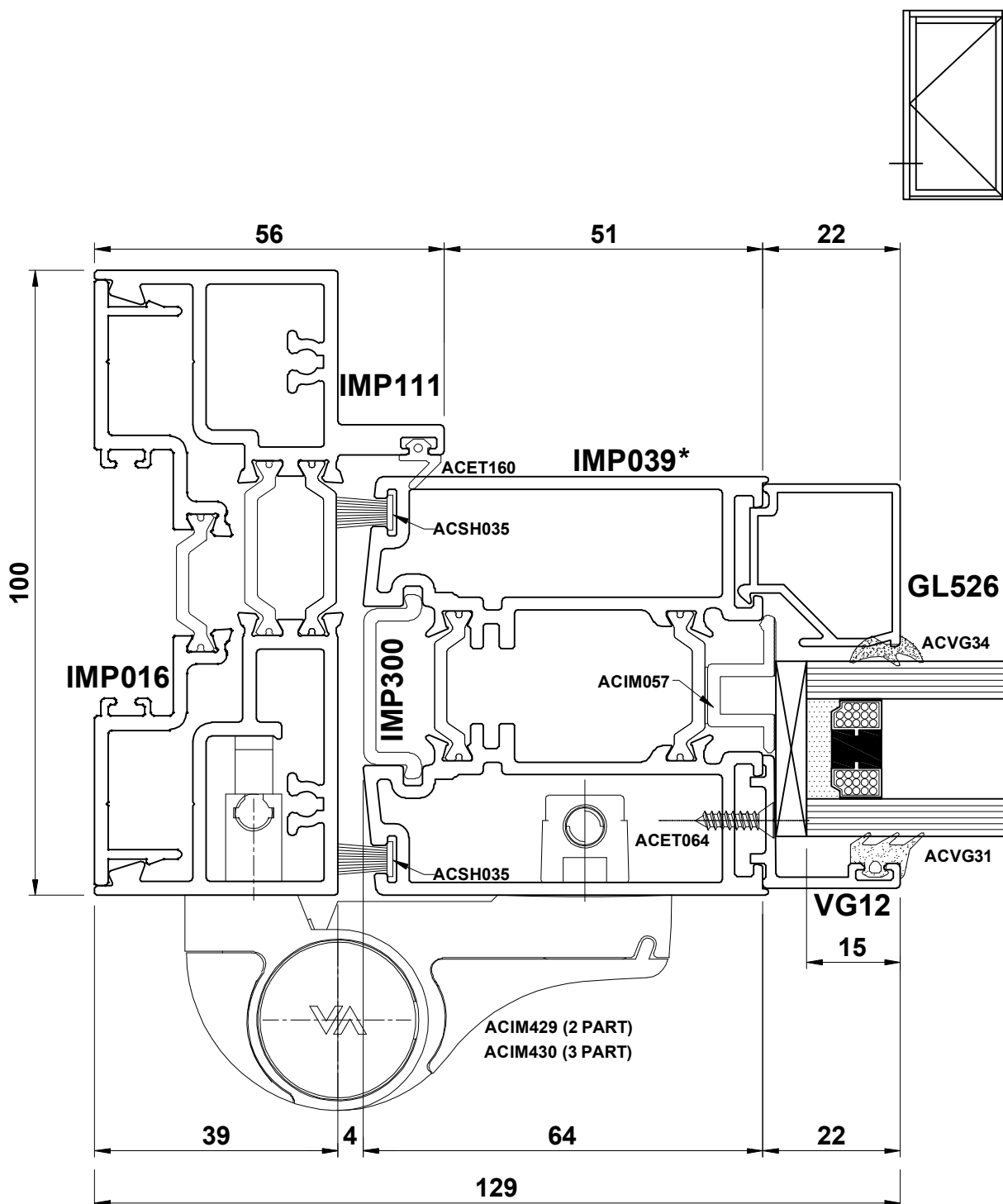
Do Not Scale From This Drawing

Detail 16



Do Not Scale From This Drawing

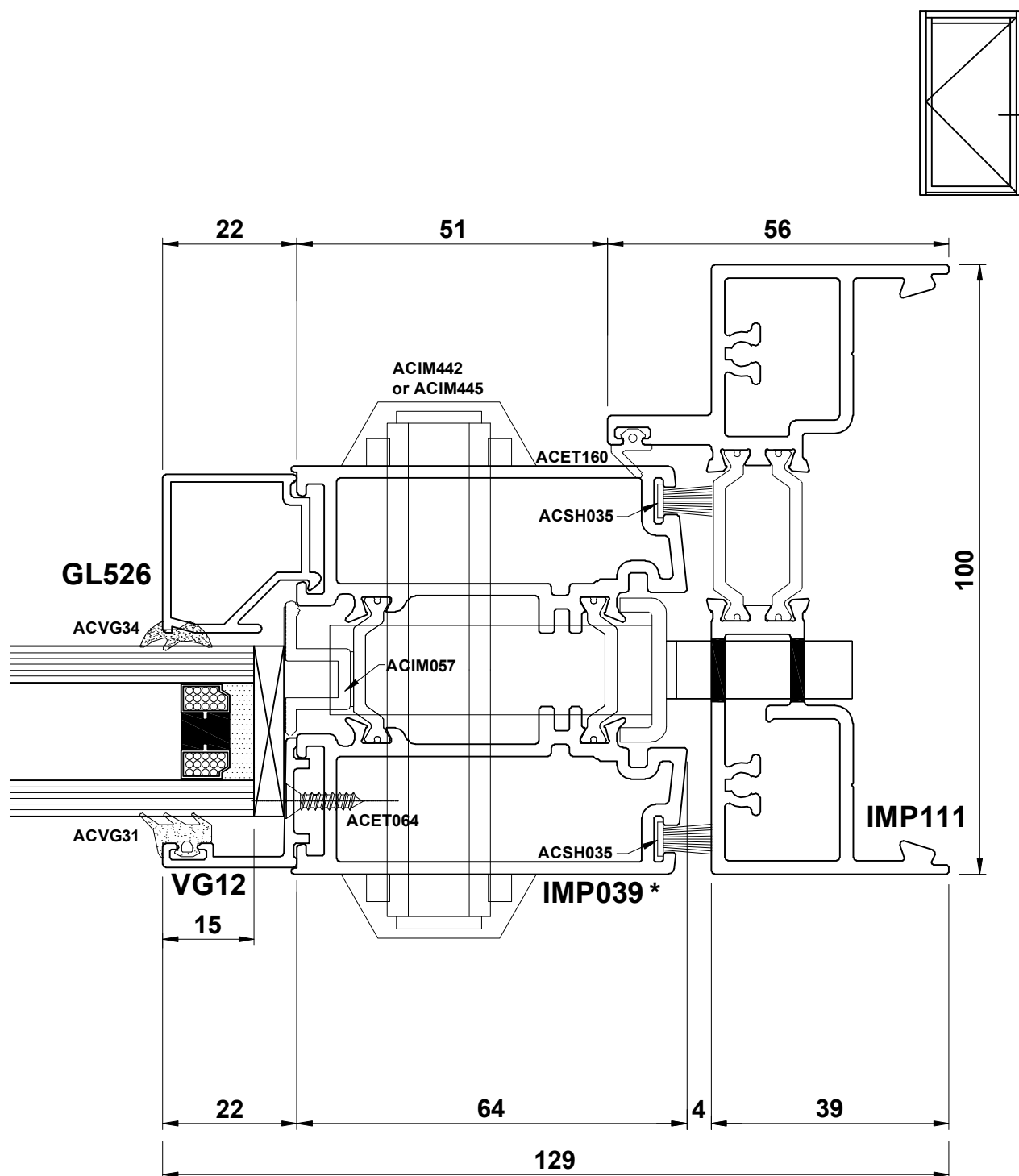
Detail 17



* Consider using IMP025 or IMP041 as stile depending on ironmongery

Do Not Scale From This Drawing

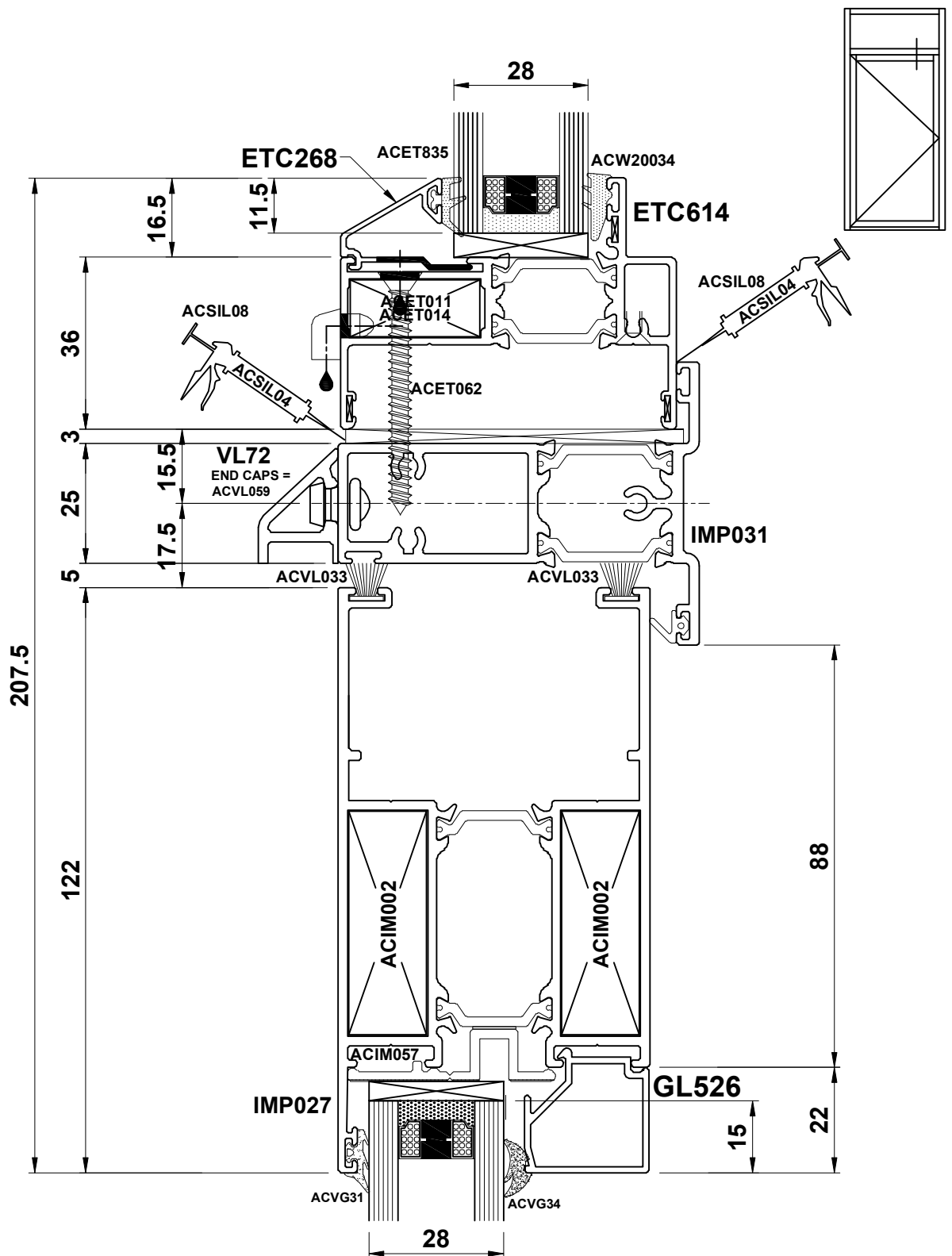
Detail 18



**Consider using IMP025 or IMP041 as stile
depending on ironmongery**

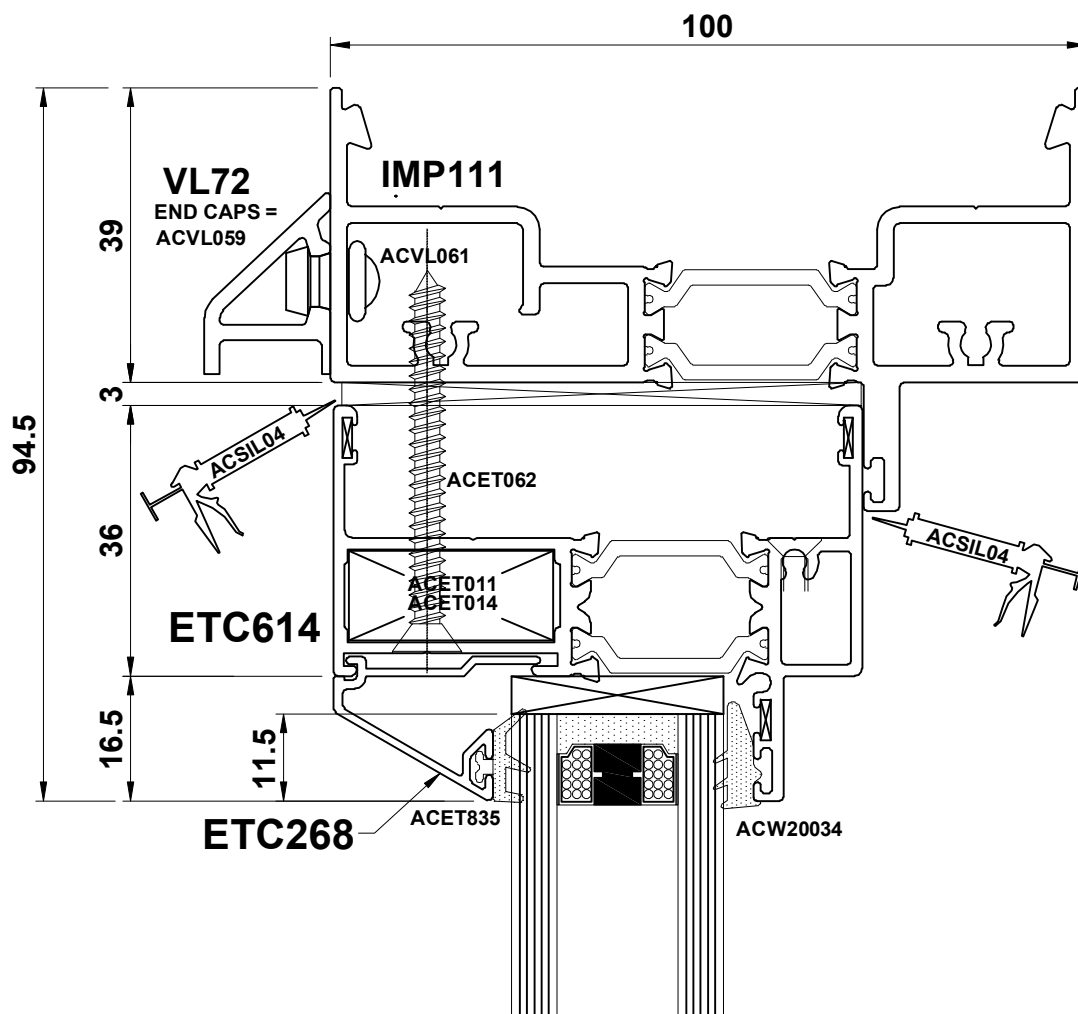
Do Not Scale From This Drawing

Detail 19



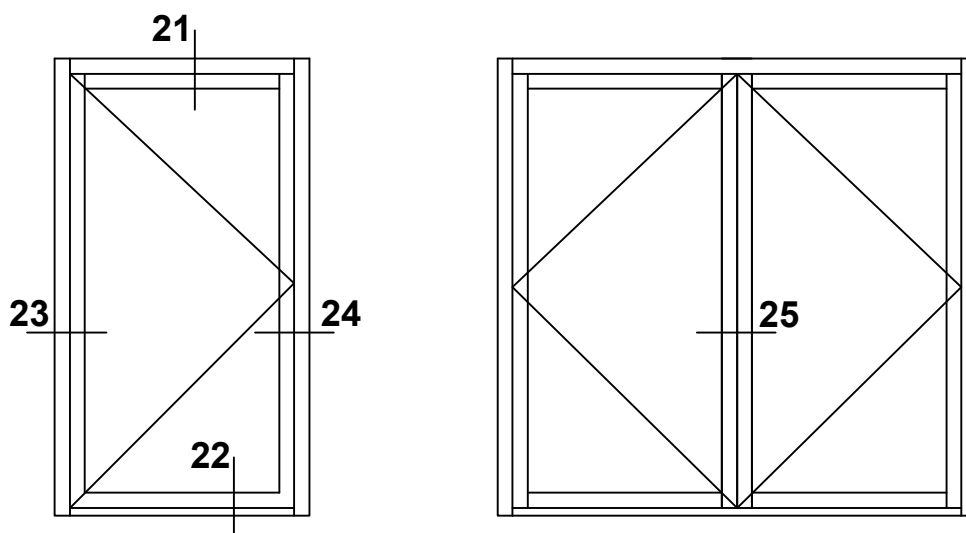
Do Not Scale From This Drawing

Detail 20



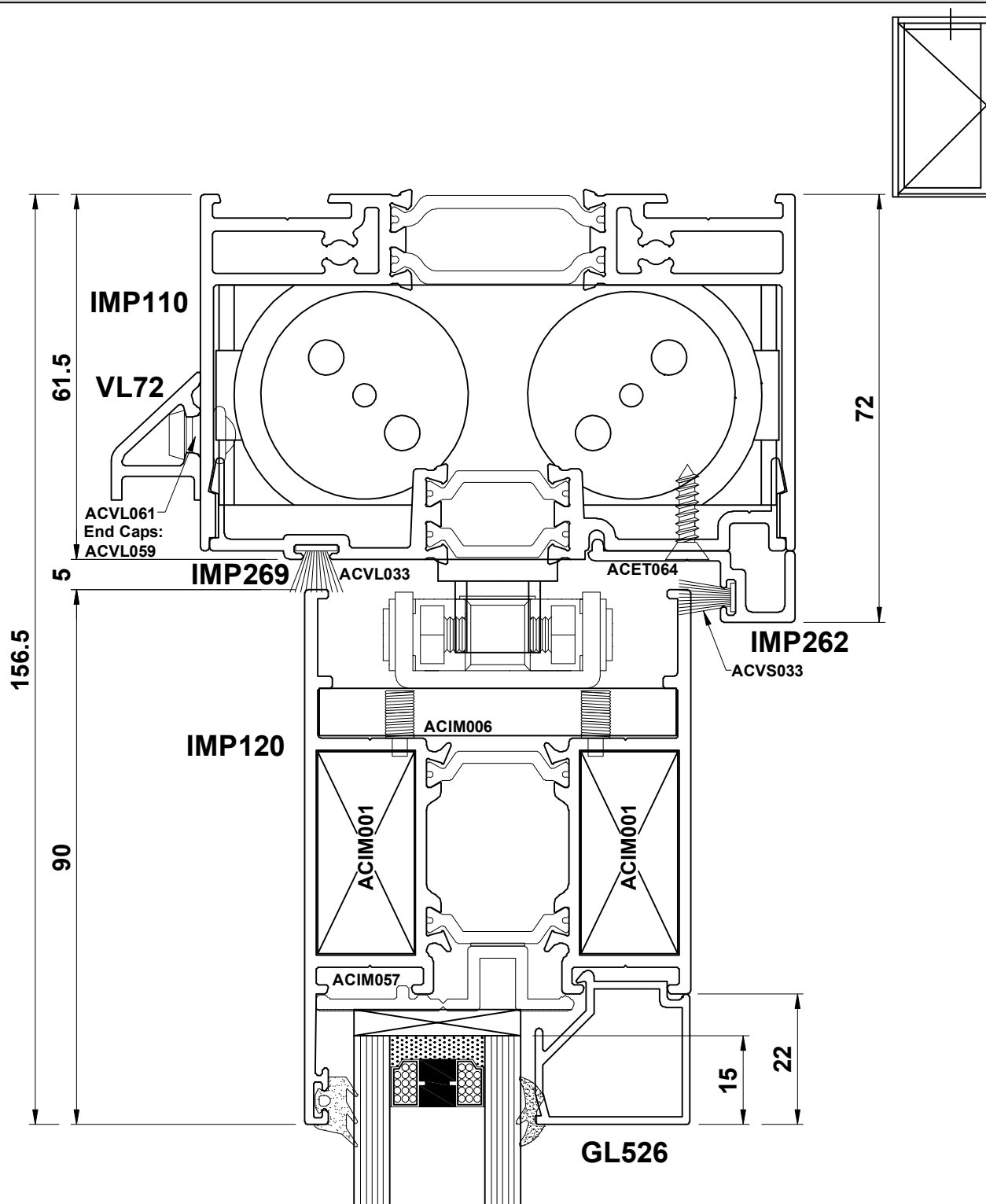
Do Not Scale From This Drawing

Rebated Anti-Finger Trap

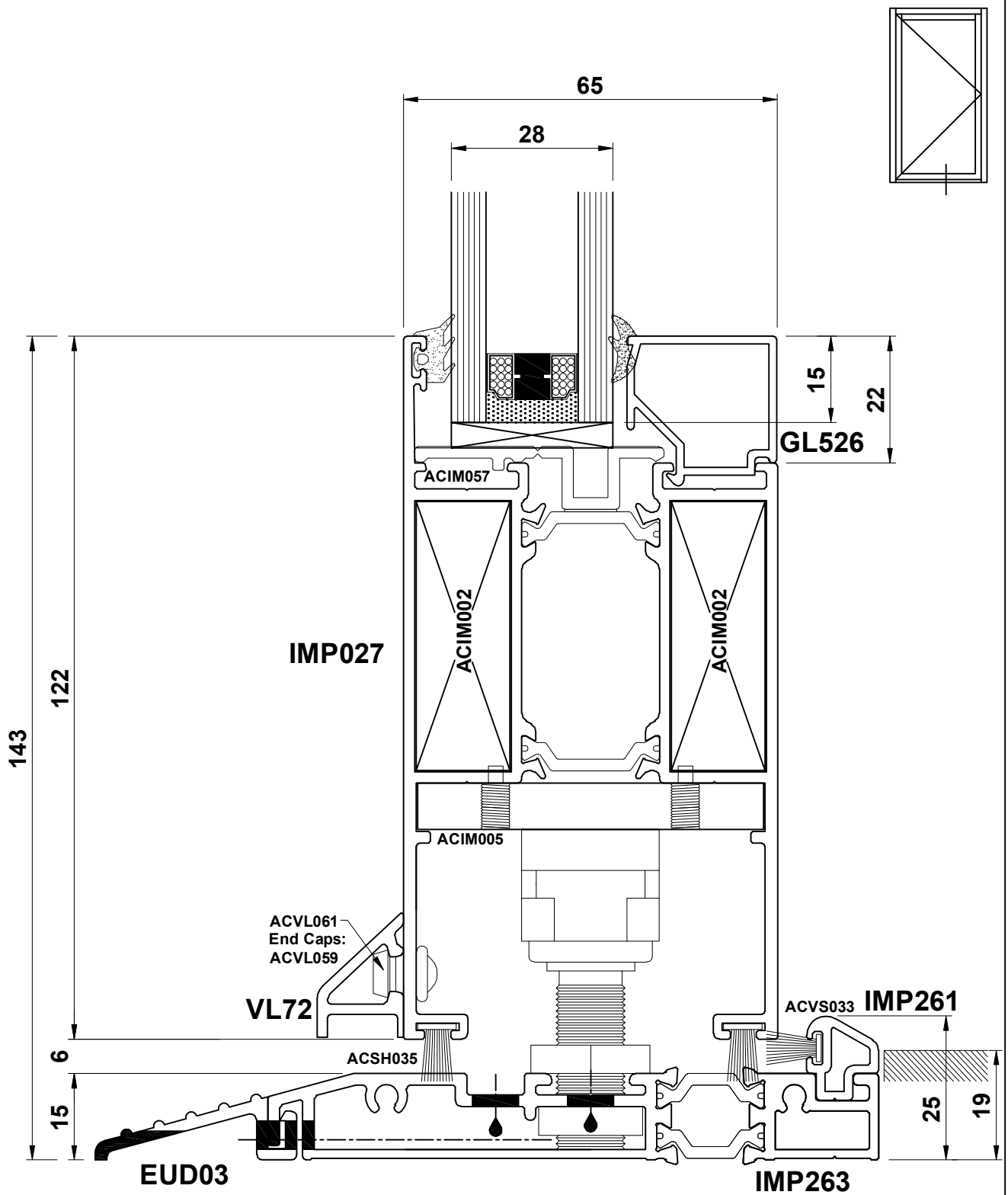


Do Not Scale From This Drawing

Detail 21

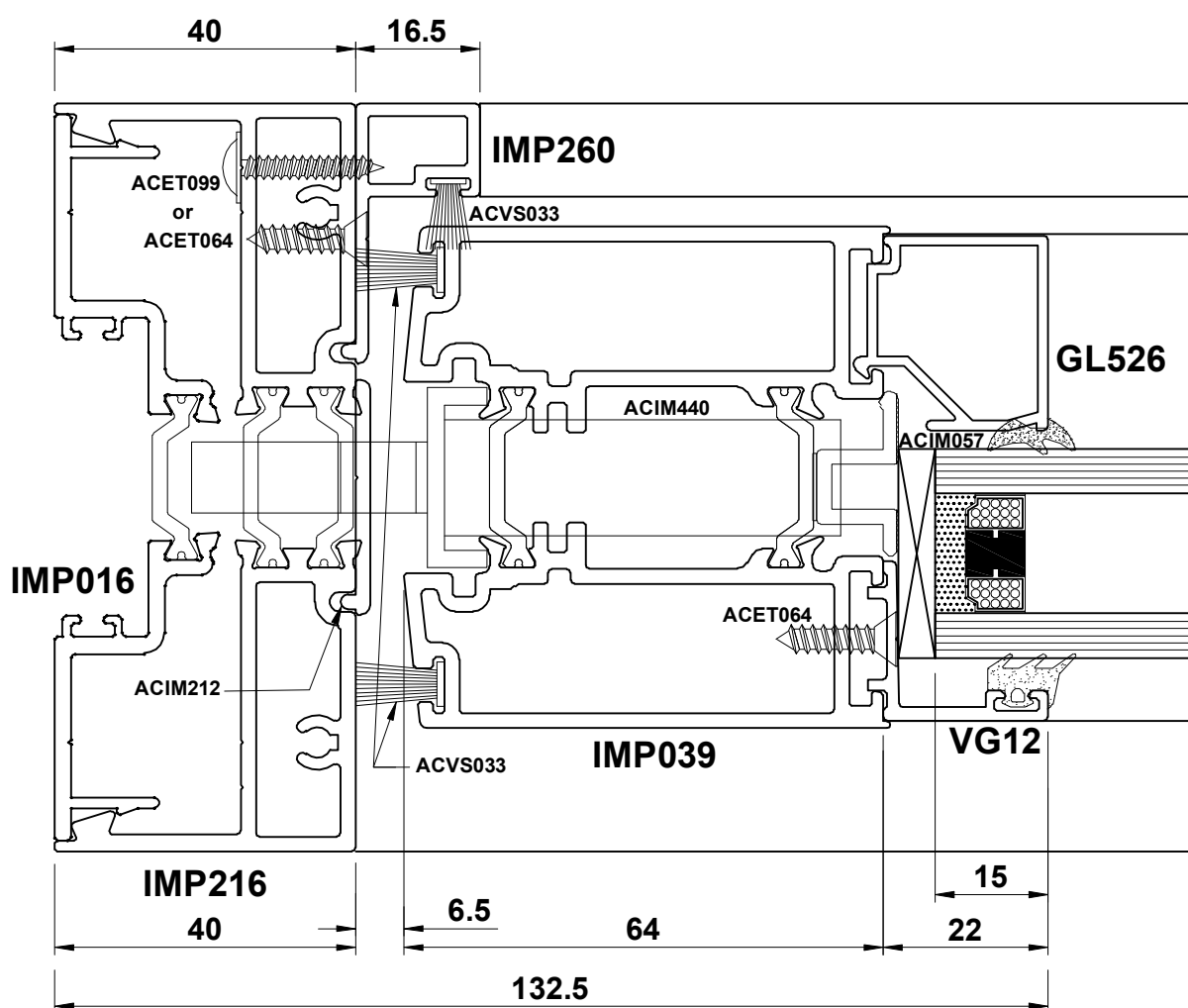
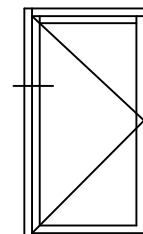


Detail 22



Do Not Scale From This Drawing

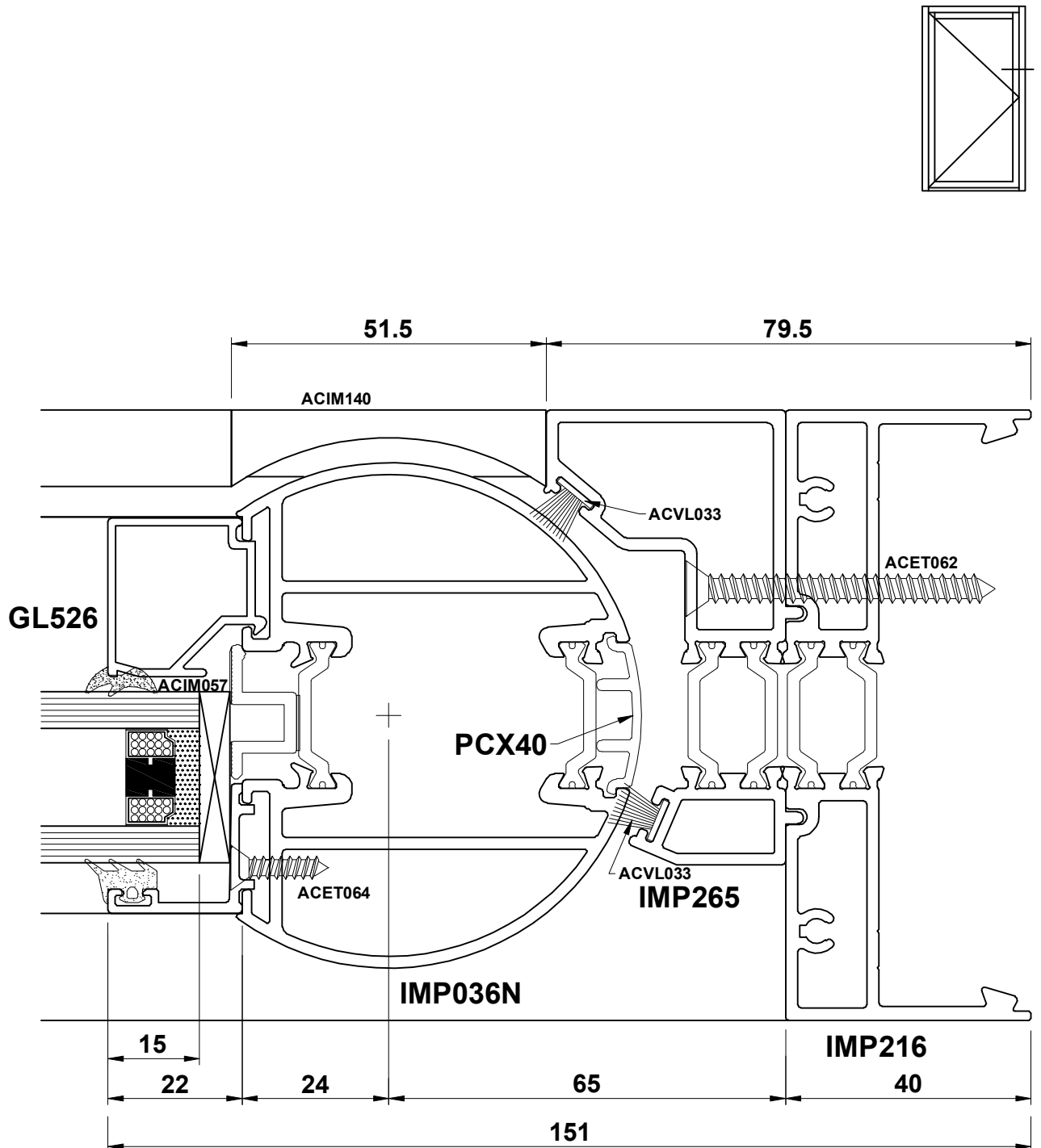
Detail 23



Smart Wall

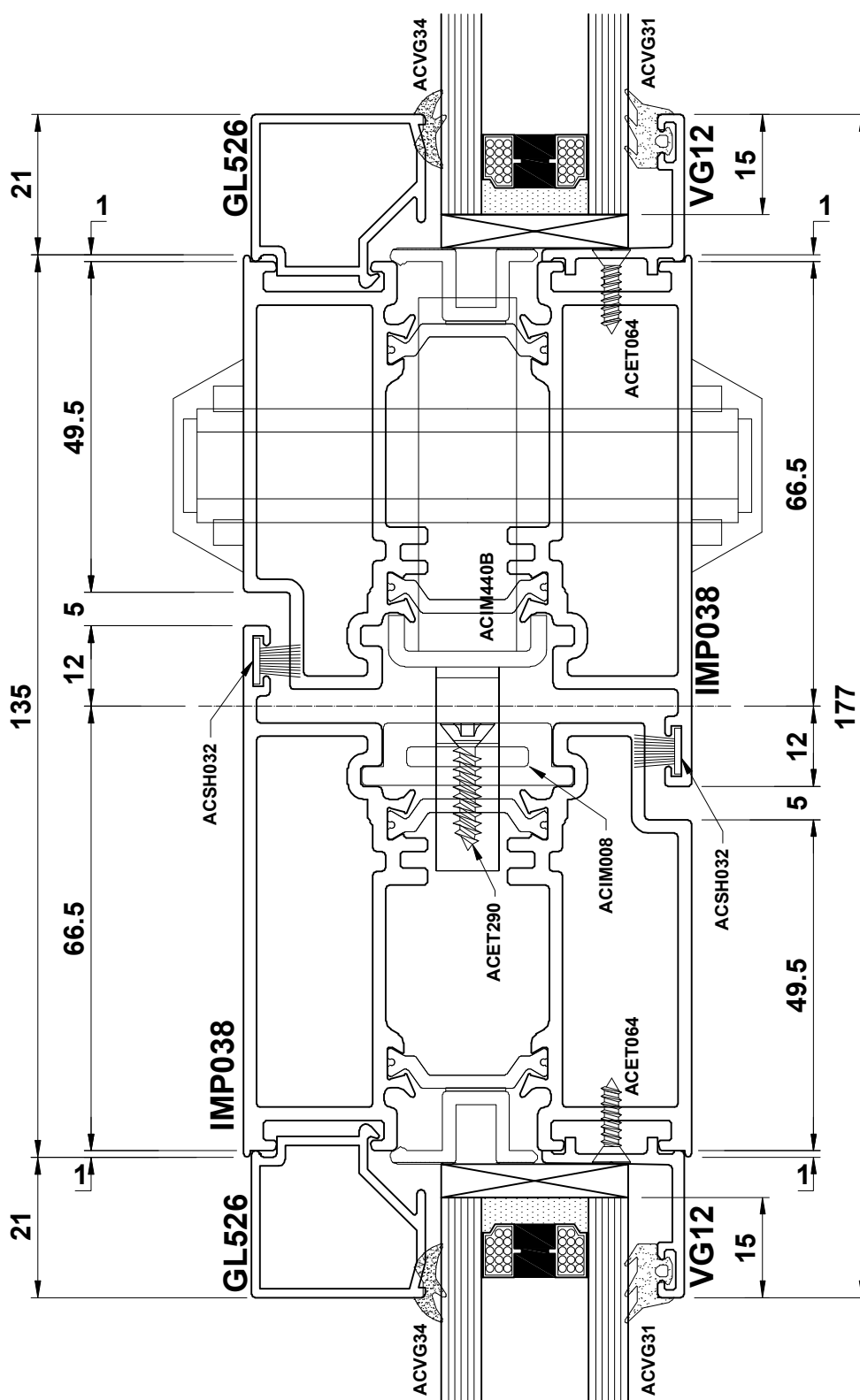
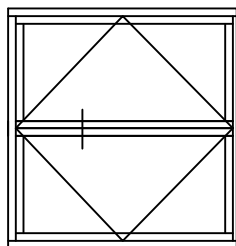
SECTIONS

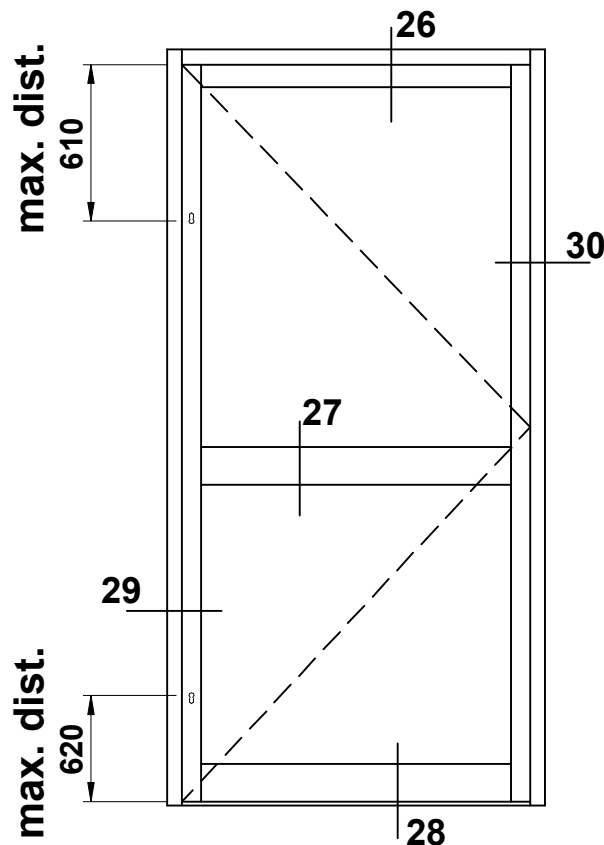
Detail 24



Do Not Scale From This Drawing

Detail 25



LPS1175 Level 2 & ENV1627 Level 3

Glazing:

Outer Pane: 17mm ESG Secure Laminate

Spacer: 16mm

Inner Pane: 4mm Clear Toughened

The glazing must be ESG Secure LPS 1270 Level 1.1.2 panels incorporated in Hermetically Sealed Units. These are available from:

Essex Safety Glass Ltd:- Tel 01376 520061 Fax 01376 521176

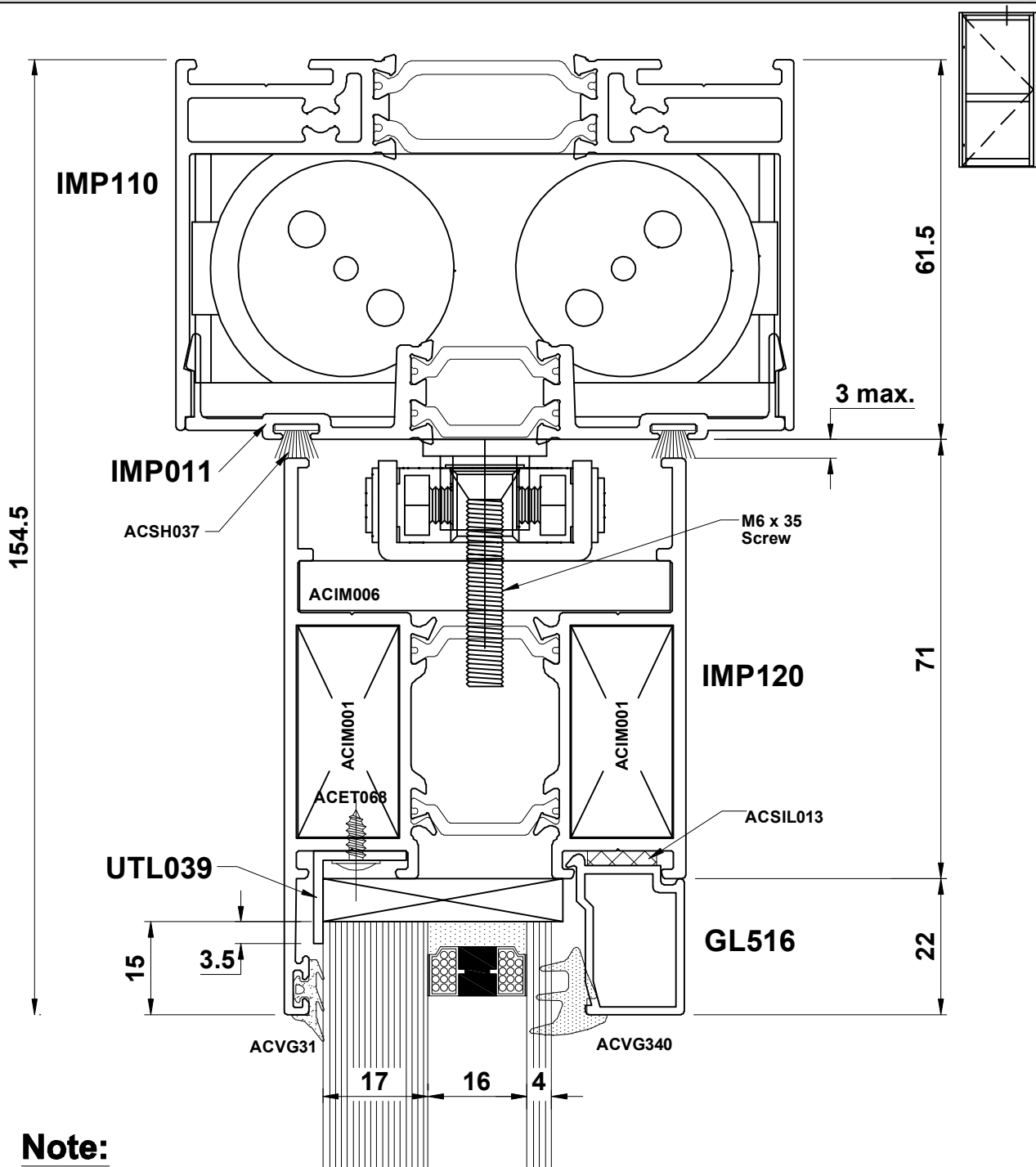
Locks:

Two locks are required to comply with the certification.

Spacing is dependant on door height. One lock is fitted as per normal, the second is fitted upside down.

Do Not Scale From This Drawing

Detail 26

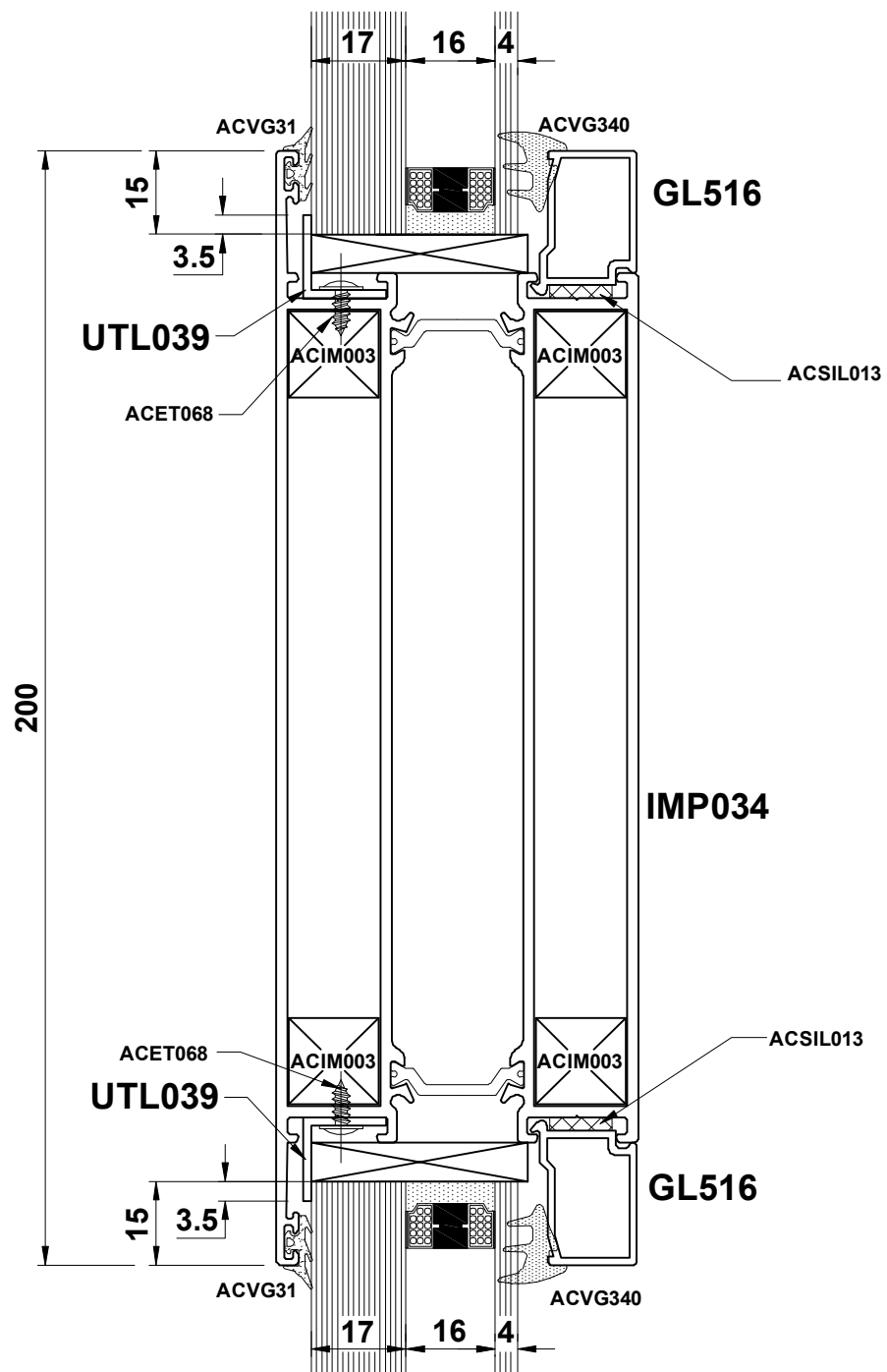


Note:

- Double Glazed Unit must be bonded into frame using a low modulus silicone compatible with unit/spacer
- UTL039 to be cut to glass width & fixed 50mm in from each end at 150mm centres

Do Not Scale From This Drawing

Detail 27

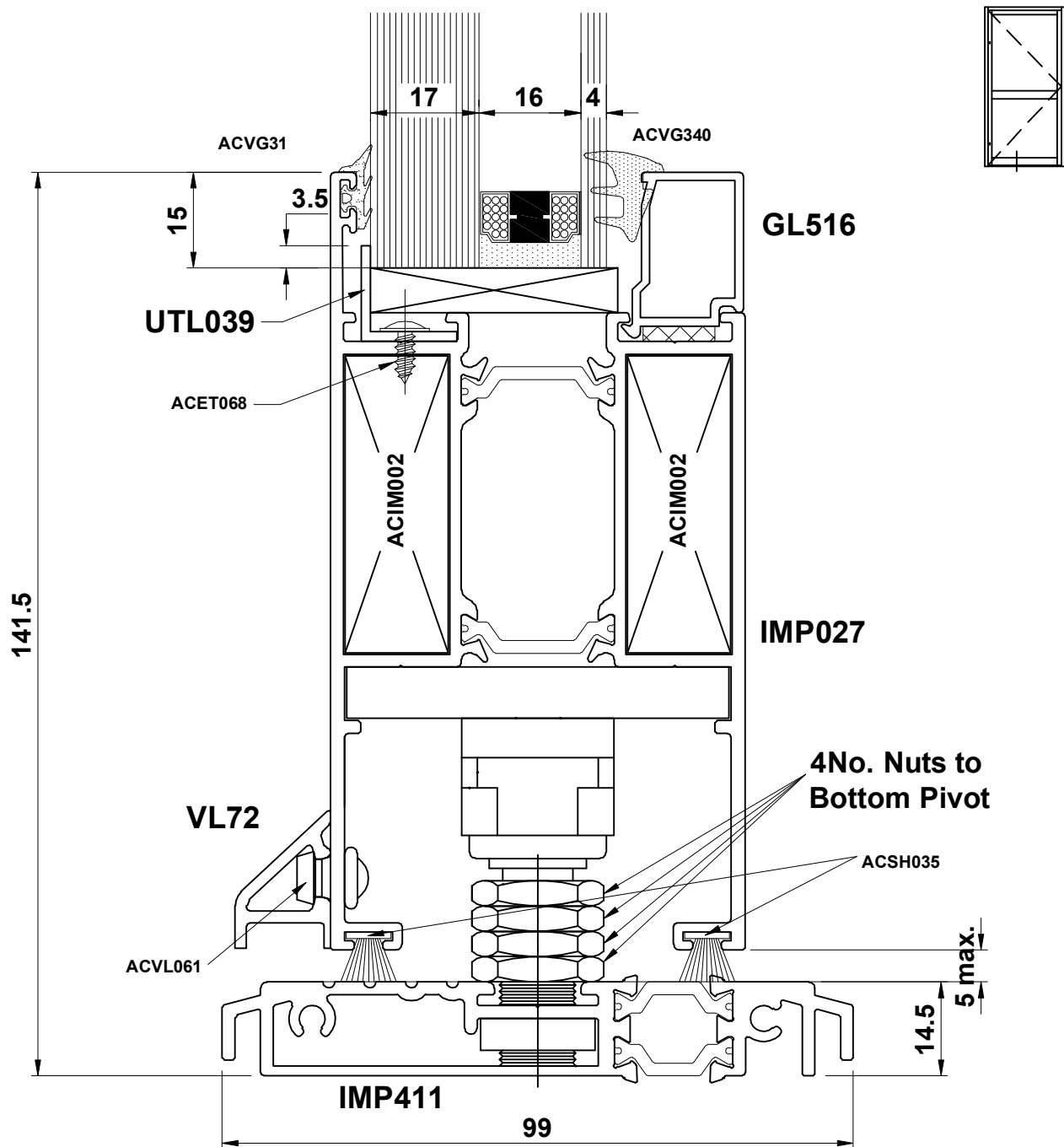


Note:

- Double Glazed Unit must be bonded into frame using a low modulus silicone compatible with unit/spacer
- UTL039 to be cut to glass width & fixed 50mm in from each end at 150mm centres

Do Not Scale From This Drawing

Detail 28

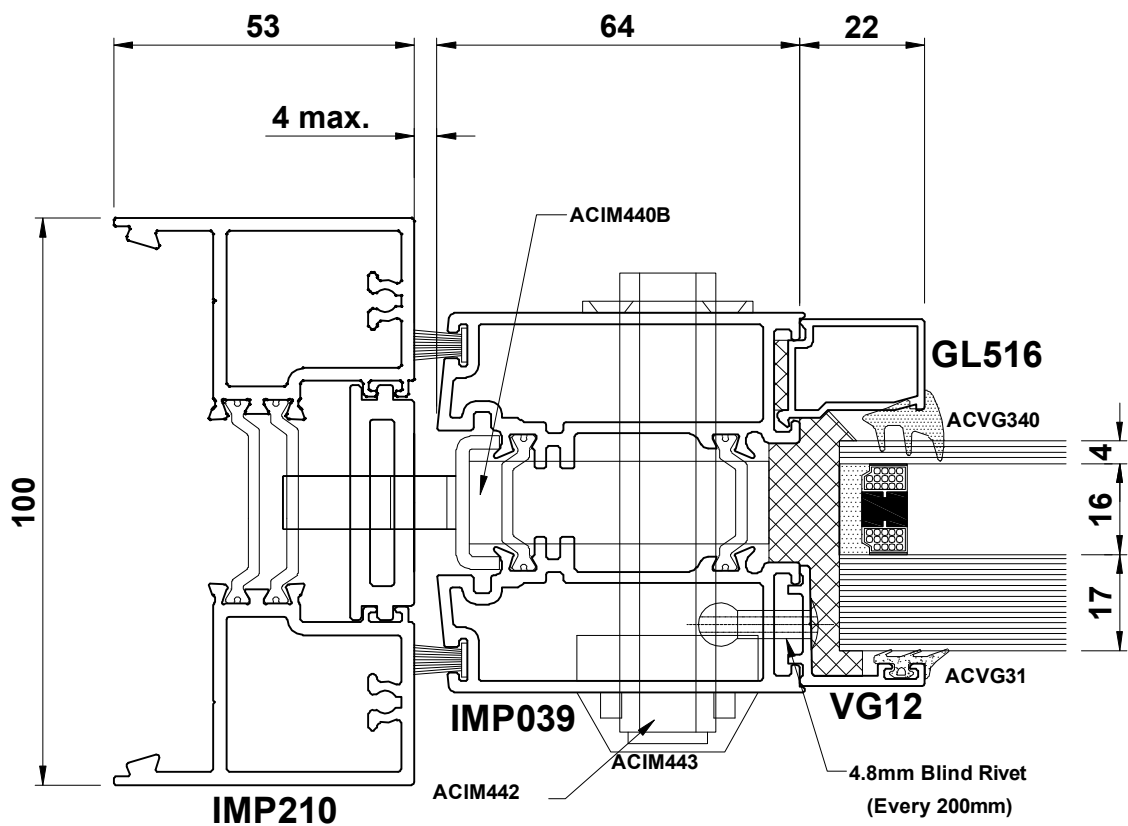


Note:

- Double Glazed Unit must be bonded into frame using a low modulus silicone compatible with unit/spacer
- UTL039 to be cut to glass width & fixed 50mm in from each end at 150mm centres

Do Not Scale From This Drawing

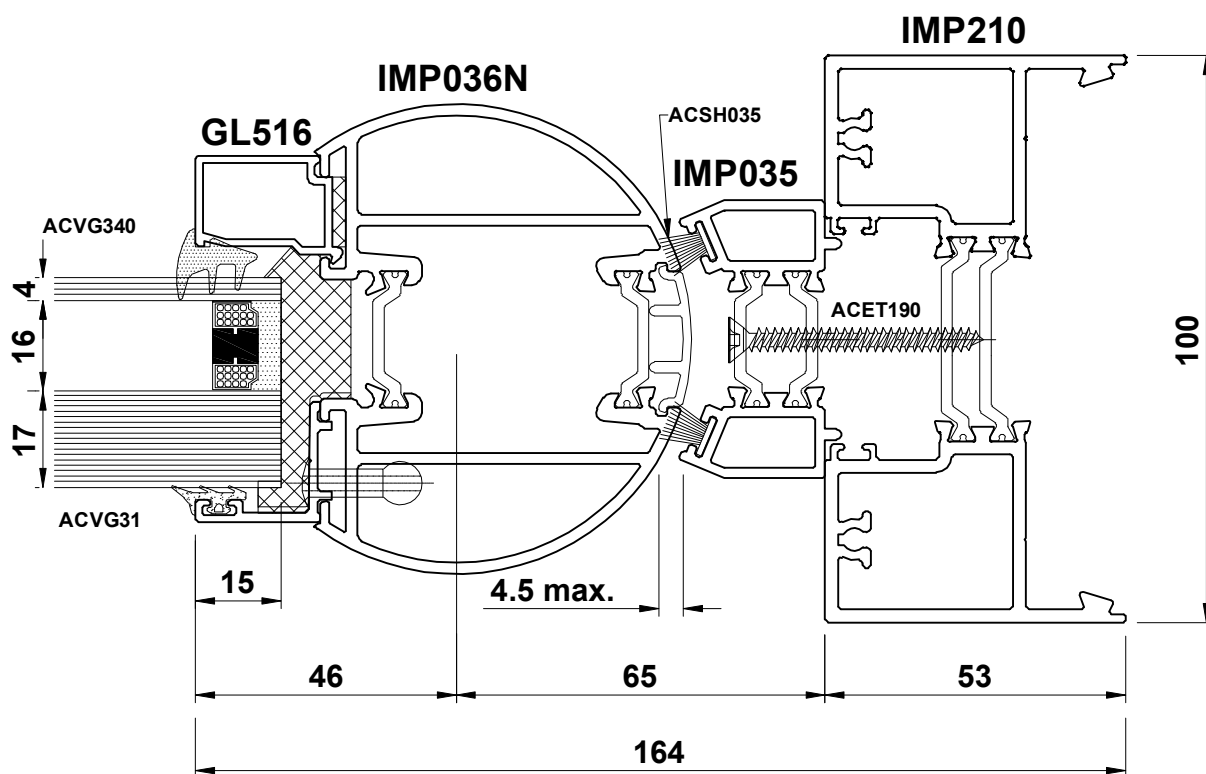
Detail 29



NOTE: Double Glazed Unit must be bonded into frame using a low modulus silicone compatible with unit/spacer

Do Not Scale From This Drawing

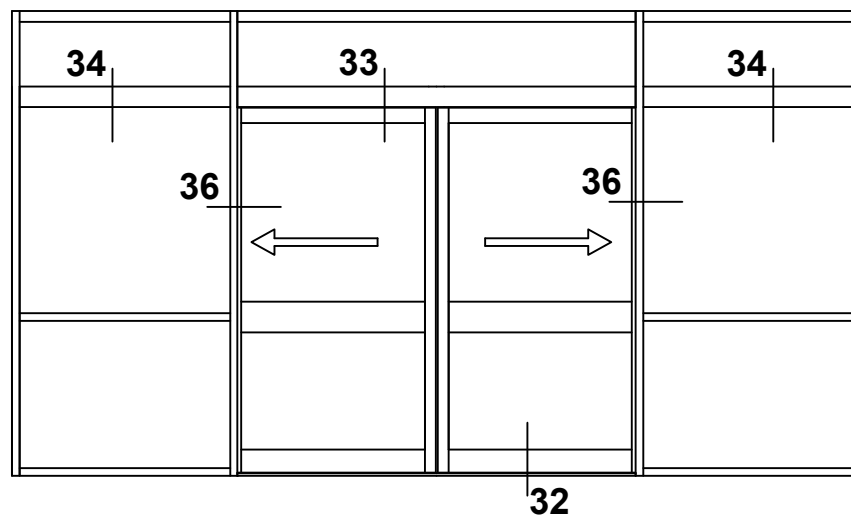
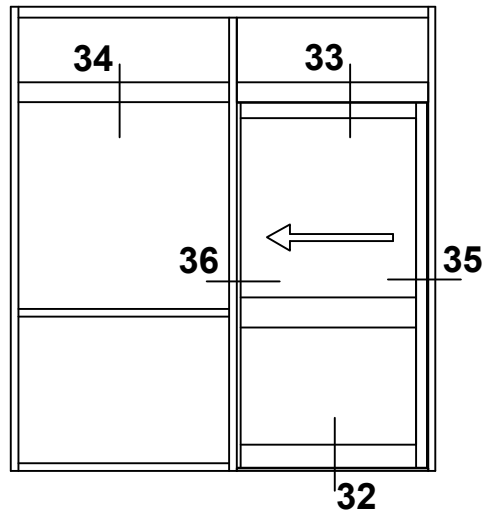
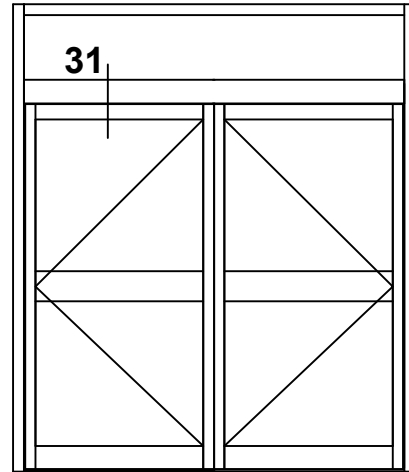
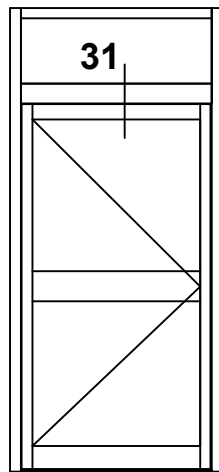
Detail 30



NOTE: Double Glazed Unit must be bonded into frame using a low modulus silicone compatible with unit/spacer

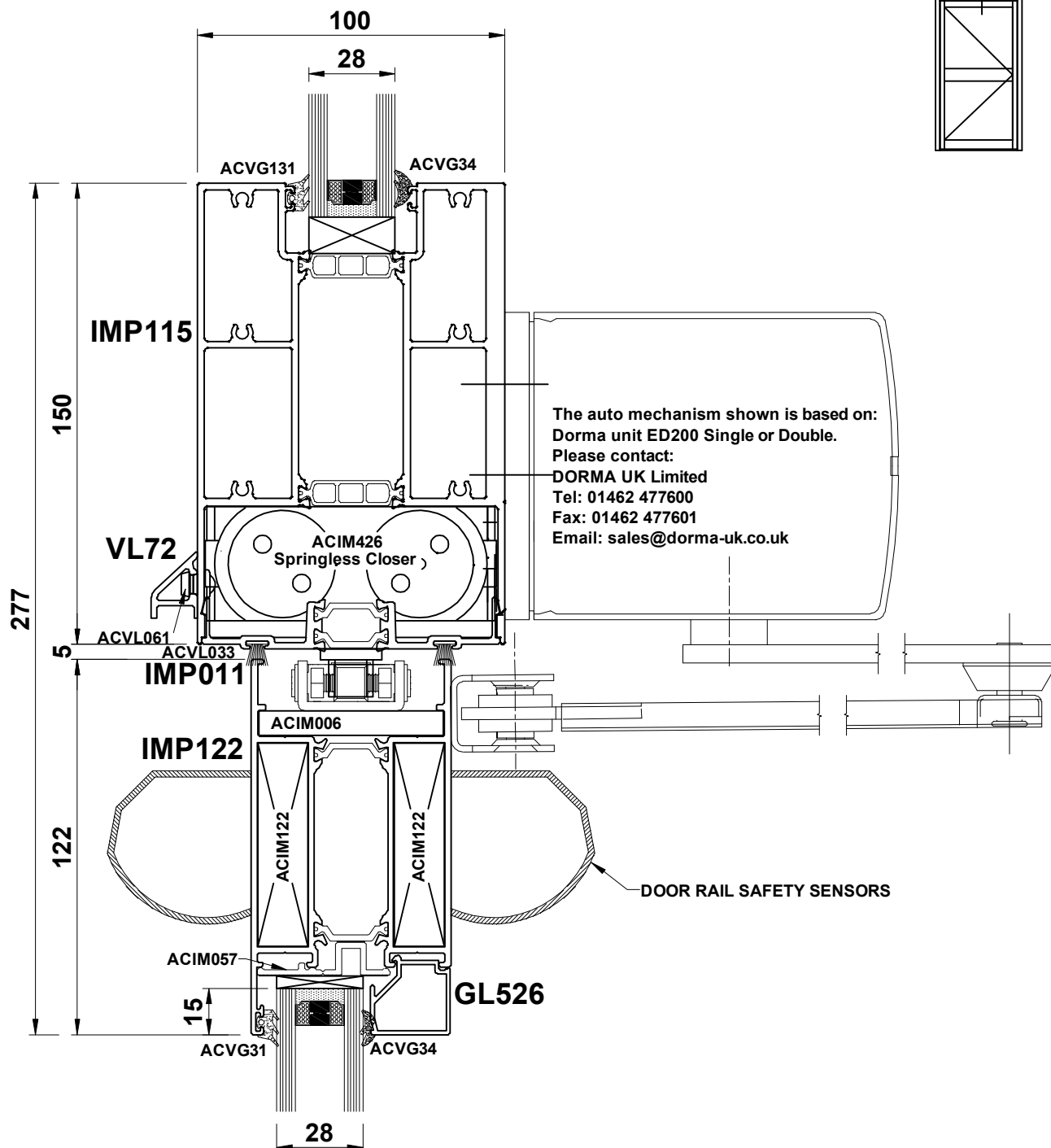
Do Not Scale From This Drawing

Auto Doors



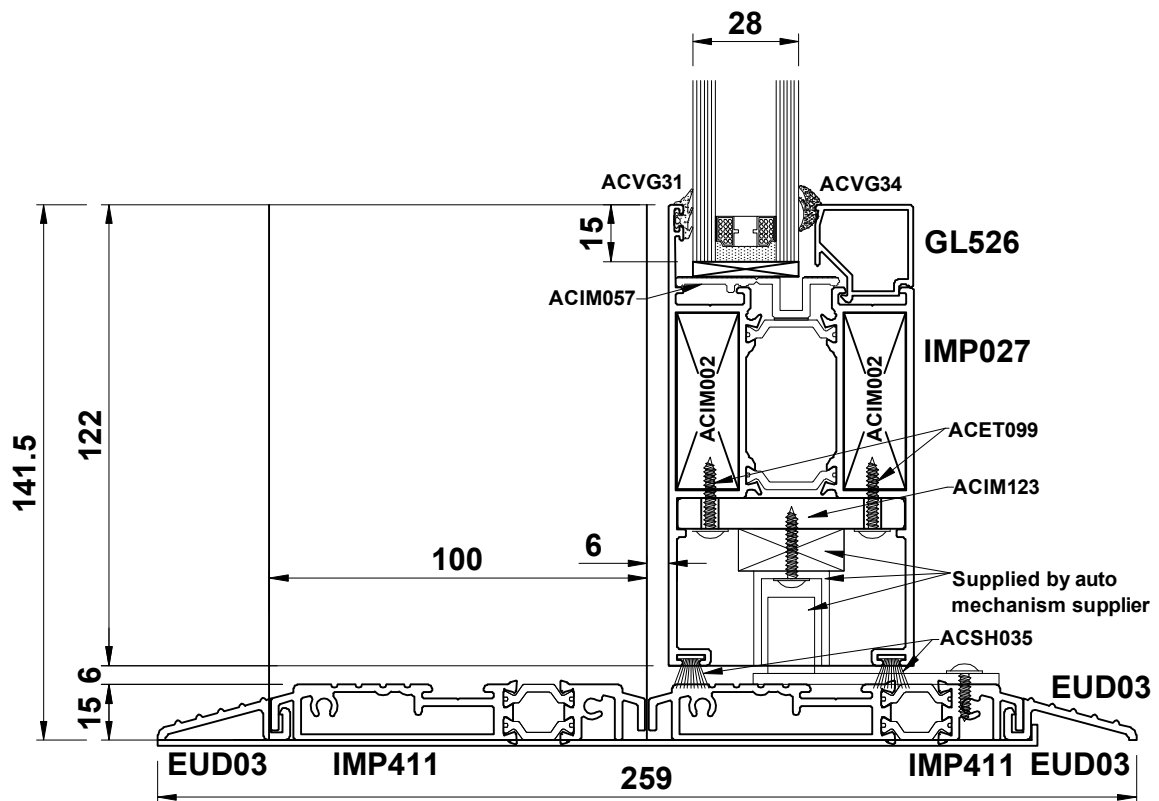
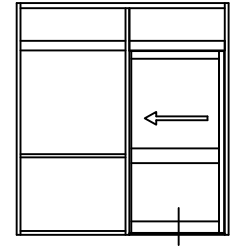
Do Not Scale From This Drawing

Detail 31



Do Not Scale From This Drawing

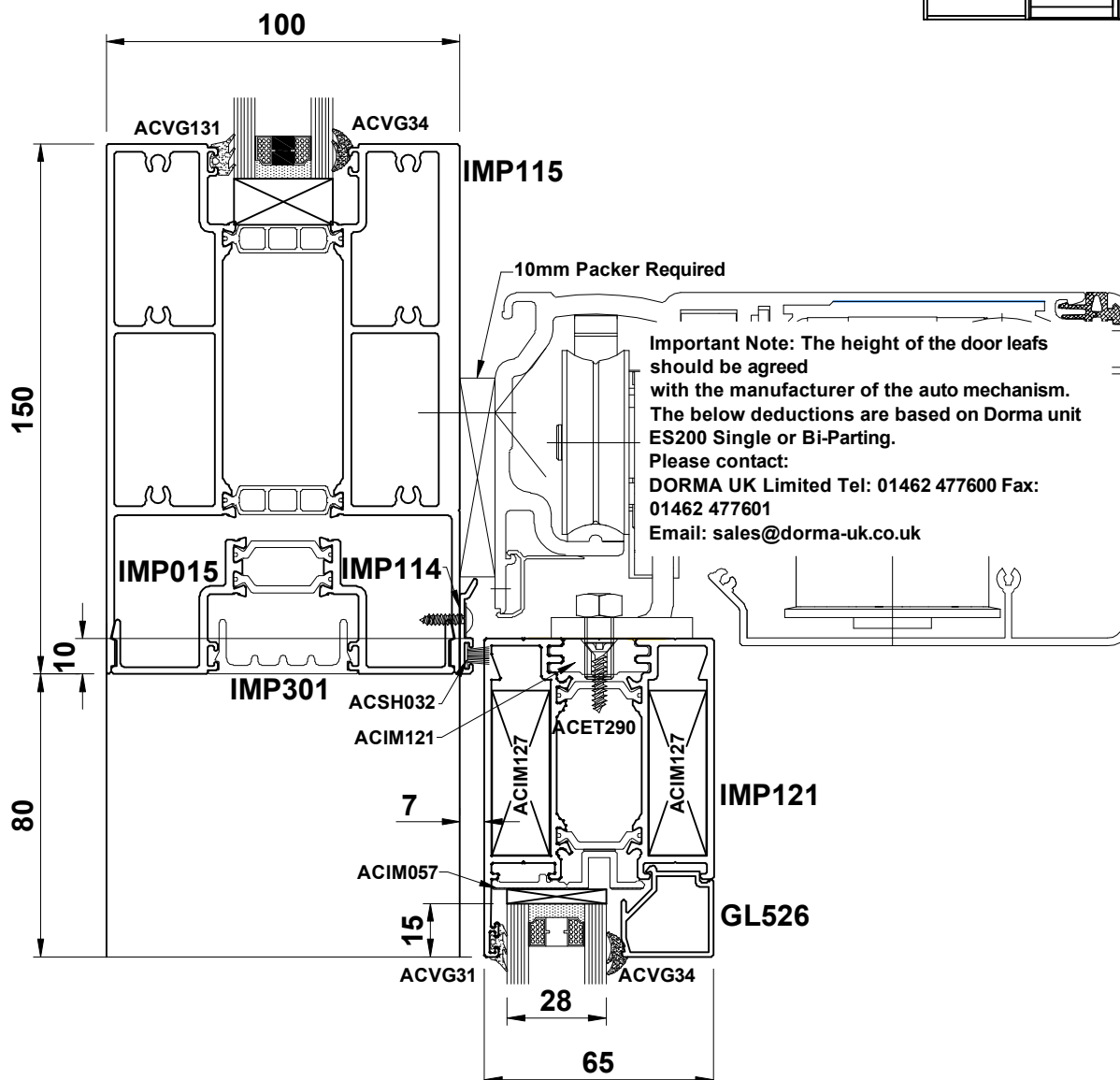
Detail 32



The threshold detail shown is optional and may vary to suit site condition.
Cill flashing by others. Drainage path must be considered.

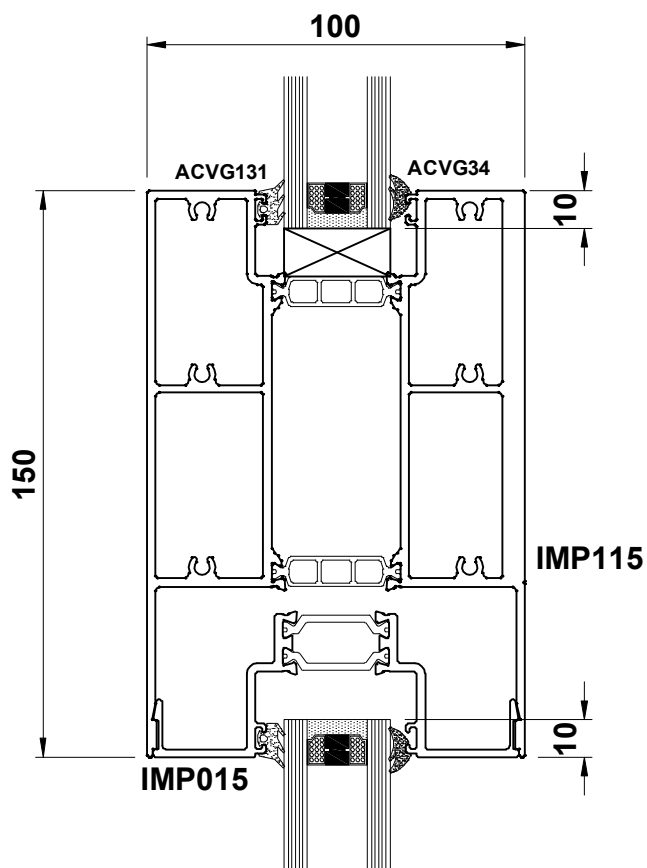
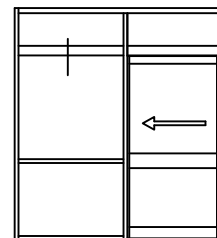
Do Not Scale From This Drawing

Detail 33



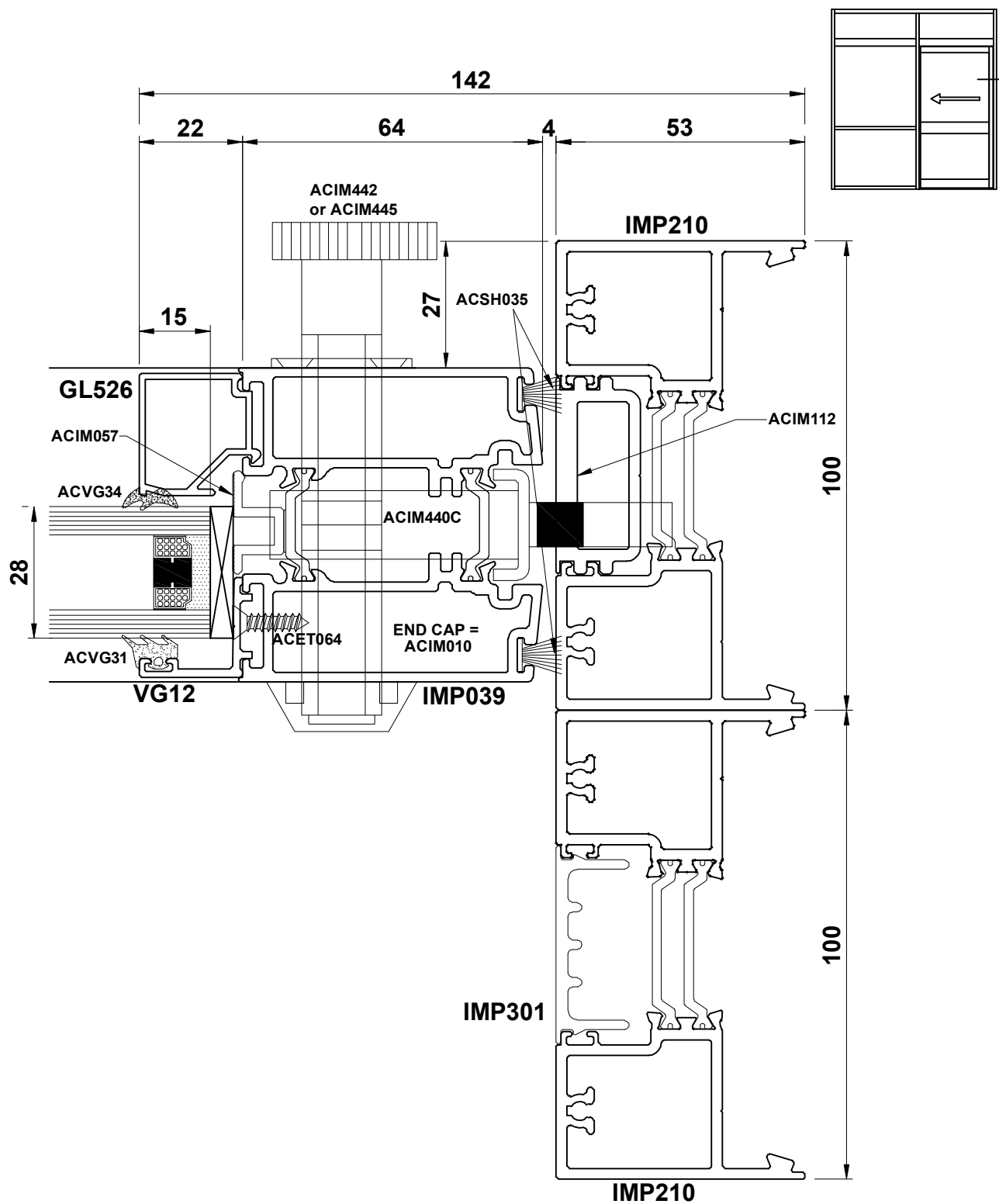
Do Not Scale From This Drawing

Detail 34



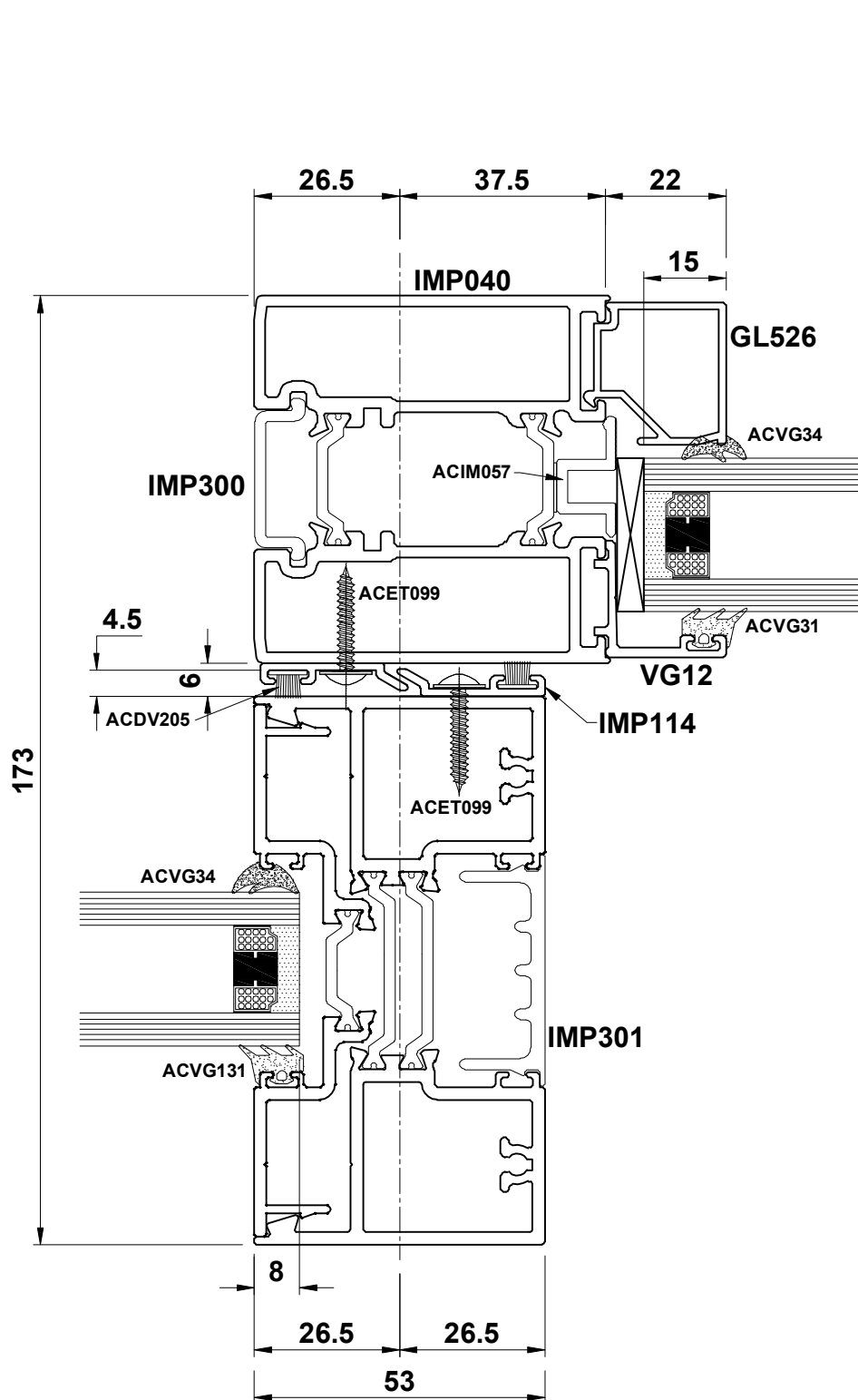
Do Not Scale From This Drawing

Detail 35

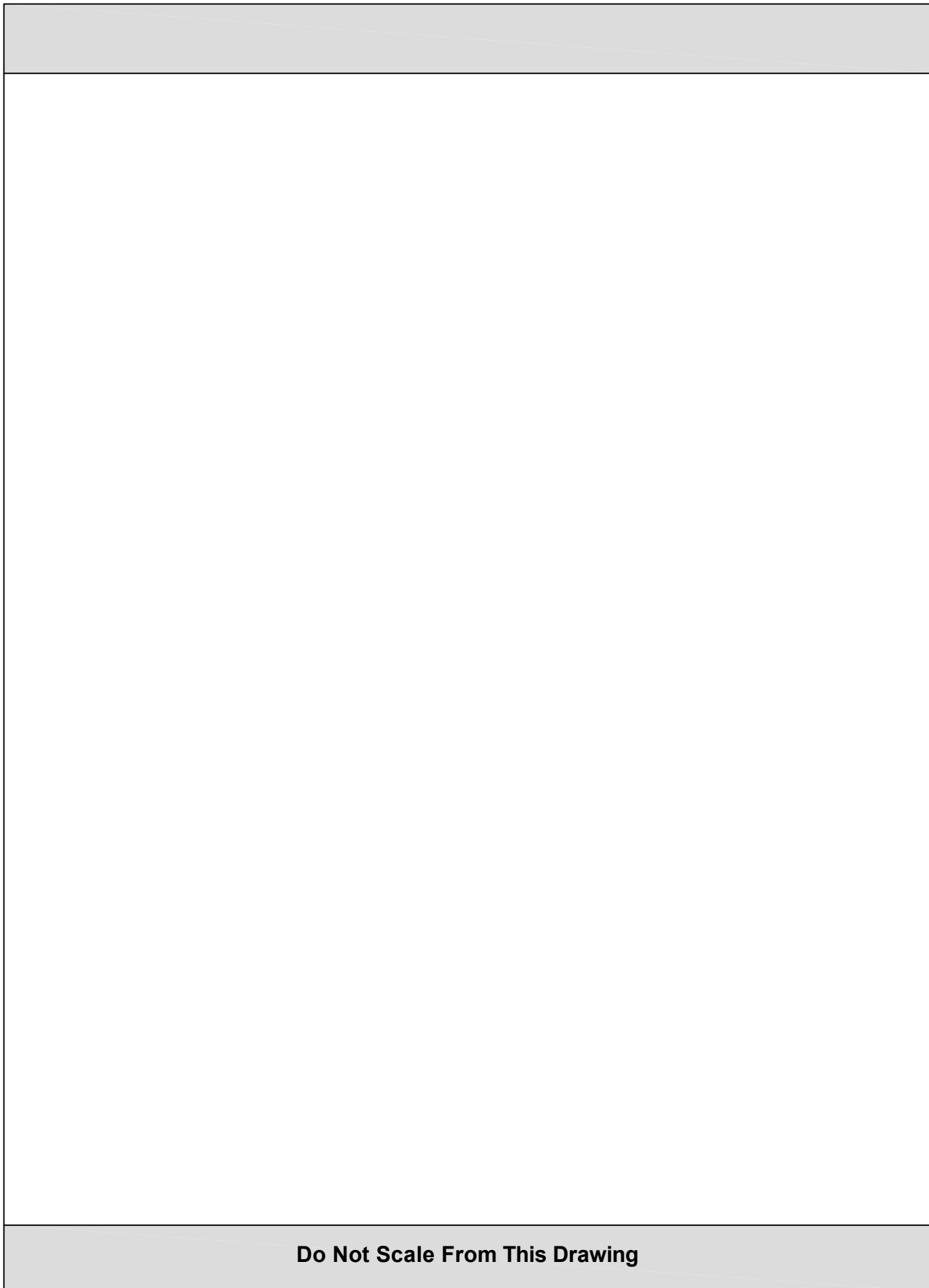


Do Not Scale From This Drawing

Detail 36



Do Not Scale From This Drawing



Do Not Scale From This Drawing

Section D

For wind loading limitations refer to the ix, iy, wx & wy values shown in Section A - Technical Information, and use the Smart Architectural Aluminium Specification Wizard to calculate the site requirements.

**Alternatively, please contact the Technical Department at Smart Architectural Aluminium on:
(Tel) 01934 876100**

Section D

For wind loading limitations refer to the ix, iy, wx & wy values shown in Section A - Technical Information, and use the Smart Architectural Aluminium Specification Wizard to calculate the site requirements.

**Alternatively, please contact the Technical Department at Smart Architectural Aluminium on:
(Tel) 01934 876100**

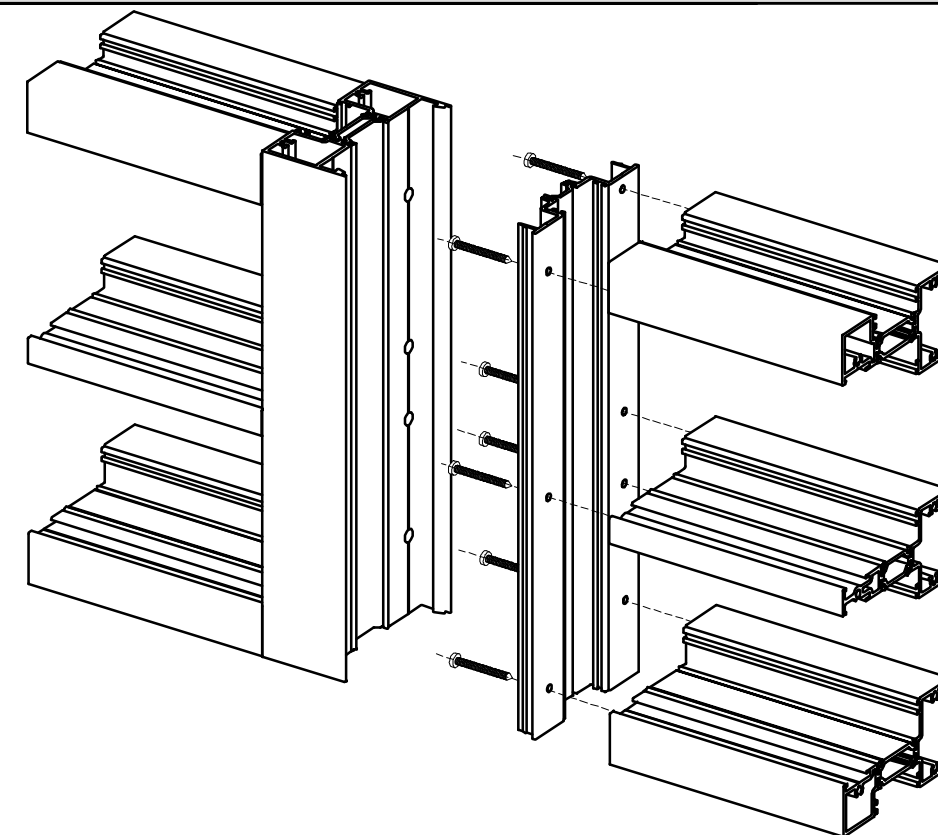
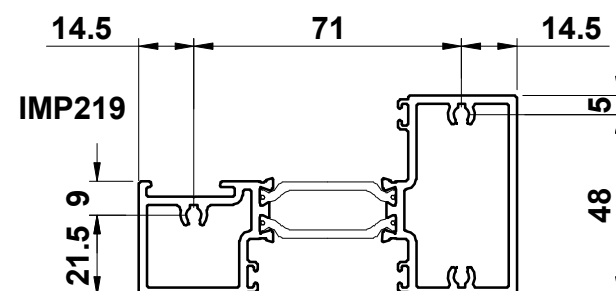
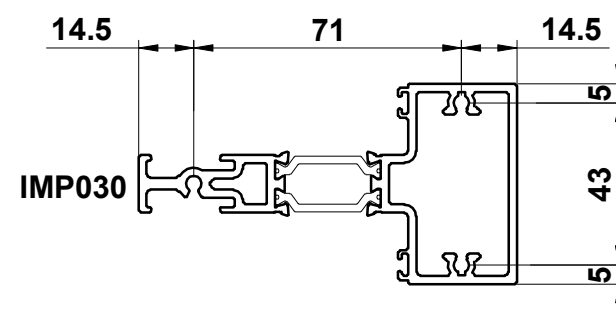
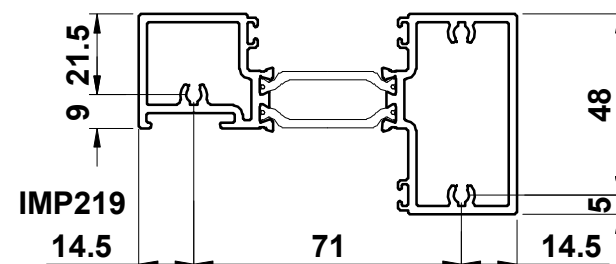
Do Not Scale From This Drawing

Section E

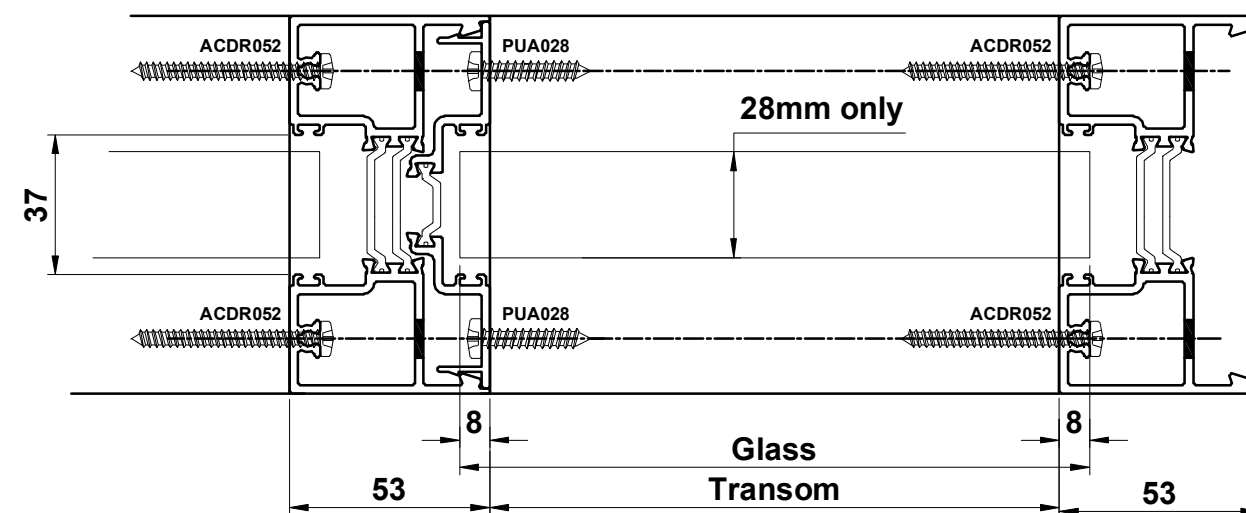
Construction Drawings	
Screen Assembly.....	Page E02 - E04
Door Assembly.....	Page E05 - E12
Rebated Door	Page E13 - E15
Glazing Chart	Page E16
Drainage Tray	Page E17
Header Details	Page E18
Panic Bars	Page E19
Opening Sash Inserts.....	Page E20
Clear Opening Calculations	Page E21
High Security Details	Page E22 - E24
Example Layout	Page E25

Technical drawings of three window profile cross-sections:

- IMP219:** Shows a profile with a total width of 100 and a height of 53. The glass edge to edge dimension is 86. The glass thickness is 16.5. The profile has a depth of 10.
- IMP615 / IMP030 / IMP613:** Shows a profile with a total width of 100 and a height of 53. The glass edge to edge dimension is 59.5. The glass thickness is 16.5. The profile has a depth of 10.
- IMP616 / IMP219 / IMP057:** Shows a profile with a total width of 102.5 and a height of 53. The glass edge to edge dimension is 59.5. The glass thickness is 16.5. The profile has a depth of 10.

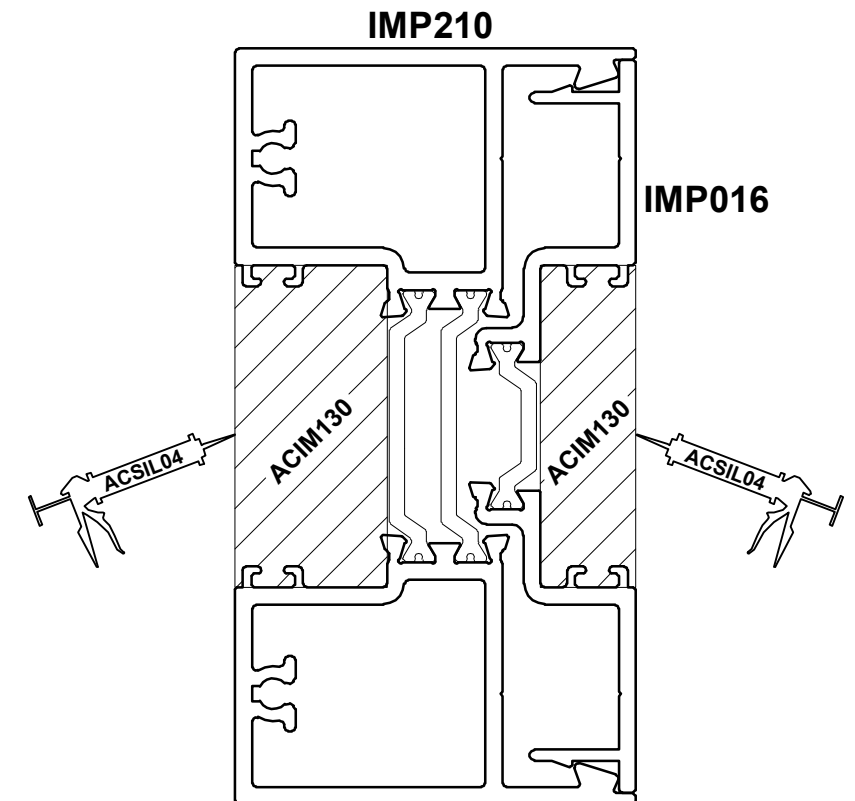
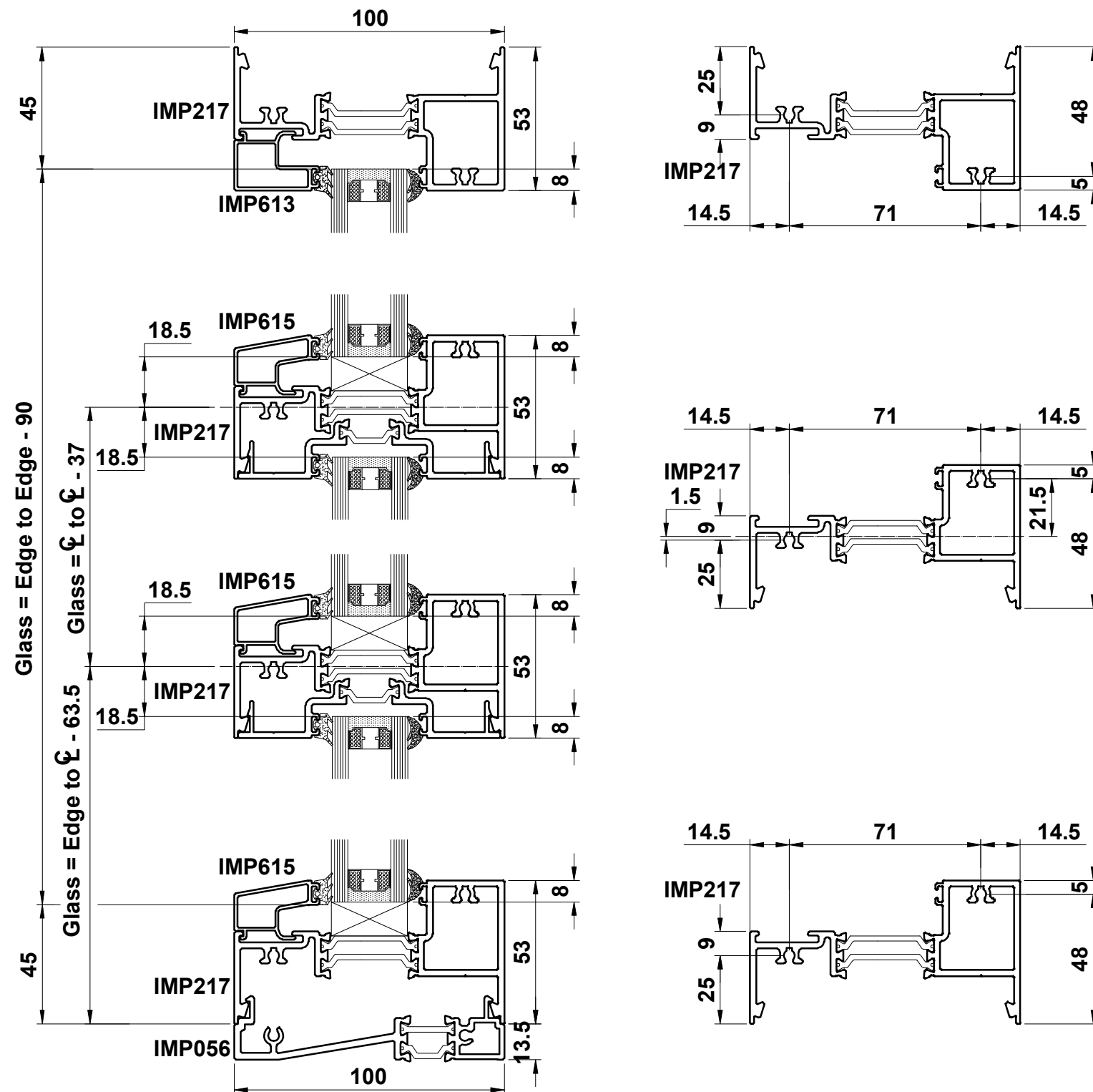


Note: Smart Wall shuffle glazed sections are for 28mm glazing only



Do Not Scale From This Drawing

Screen Assembly & Glass Deductions Option B



Important Note: For option A & option B, to prevent overwhelming the cill drainage, screens over 2400mm high, or in exposed areas, should be zone drained by reducing the flow of water into the glazing channel using ACIM130 Foam Inserts.

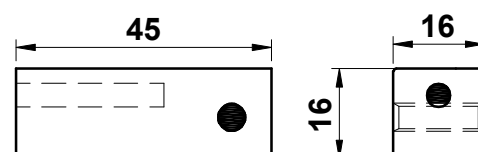
ACIM130 Foam Inserts - 50 pairs per pack

Do Not Scale From This Drawing

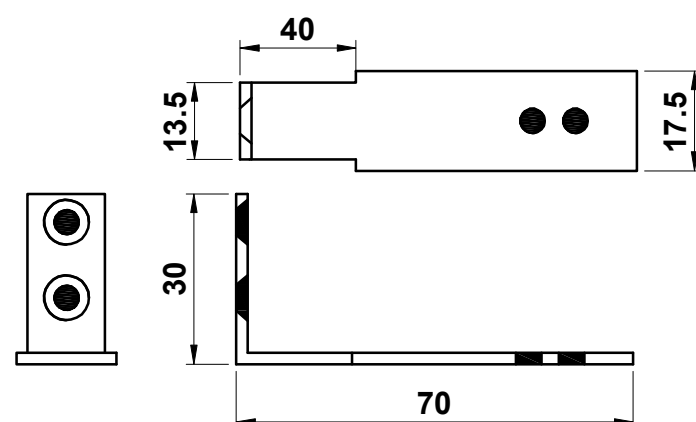
Fixing IMP034 into Pocket Glazed Screen

ACIM025

Cleat A: Inside Cleat

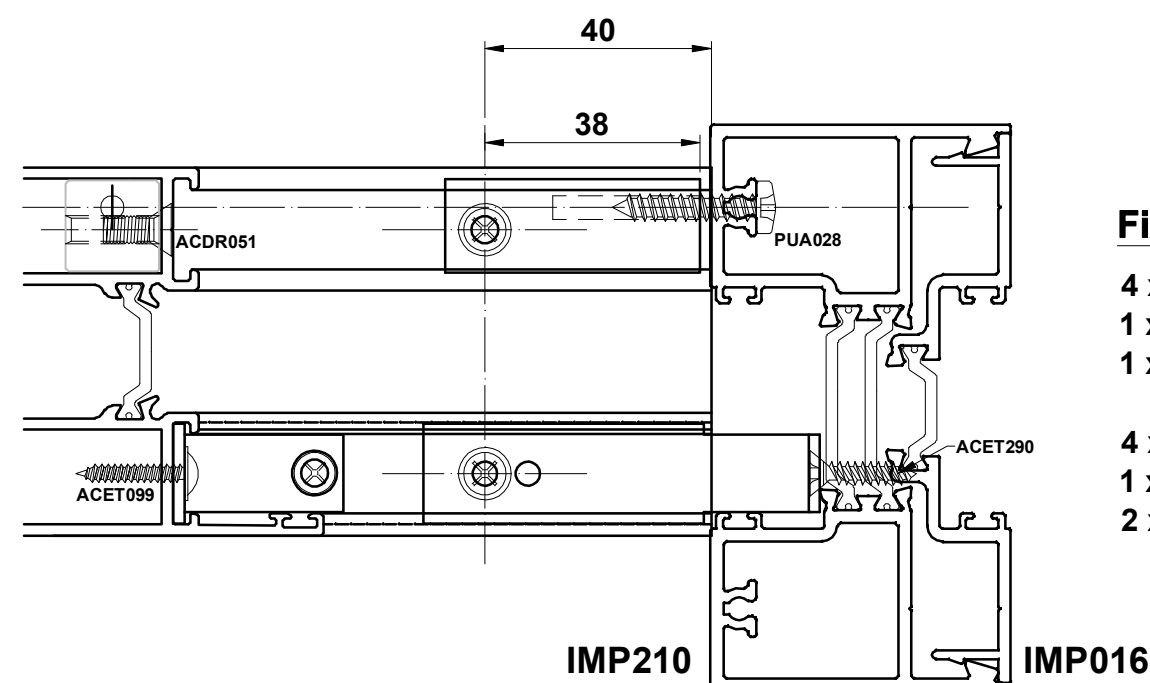
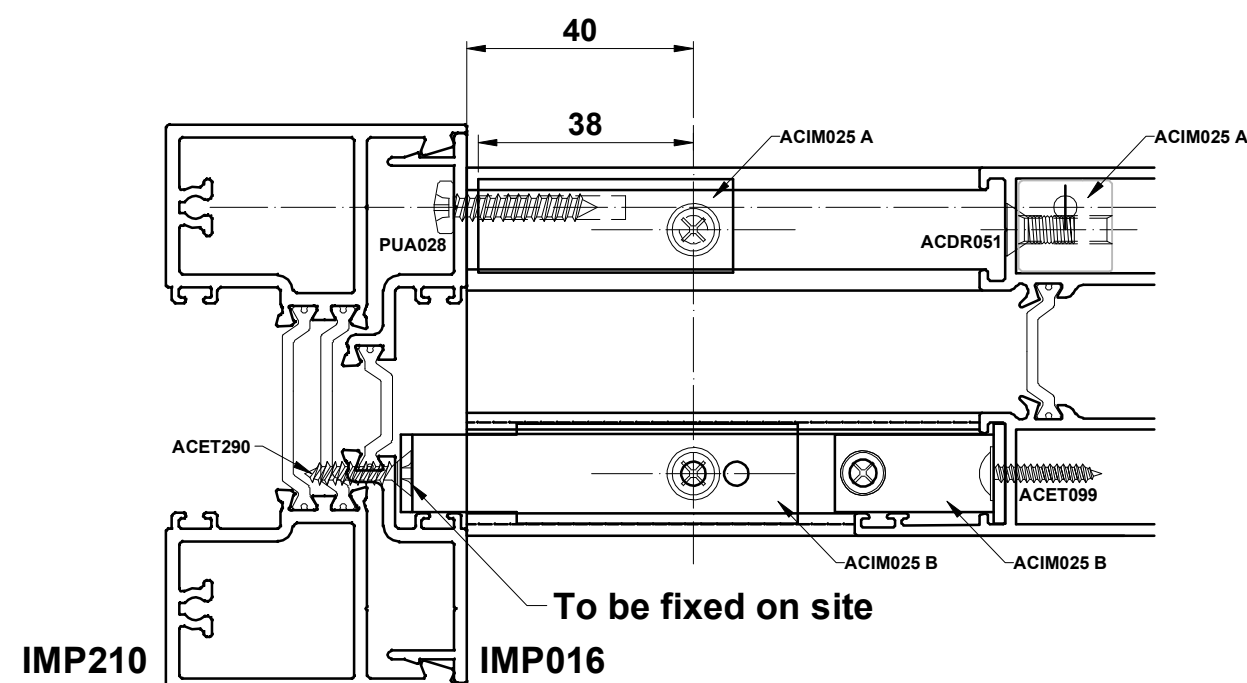
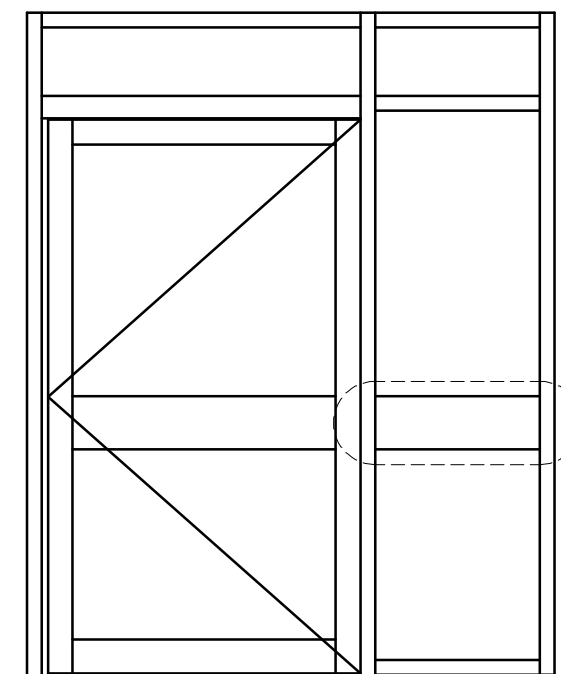


Cleat B: Outside Cleat



ACIM025 (PACKS 24)

Cleats fitted to frame/rail in workshop. Screws through Outer Cleat B (into pocket) can only be fixed on site for frames that need to be coupled as screw penetrates both pocket walls. One screw only into Polyamide for back to back frames to avoid clashing (holes staggered).



Fixings

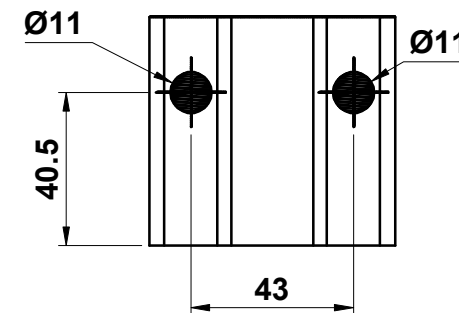
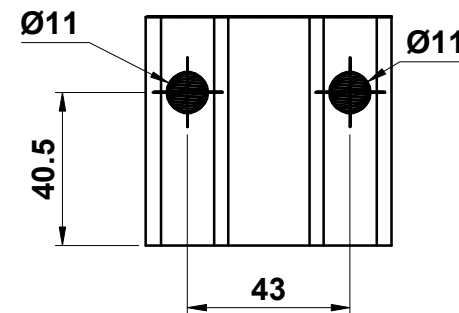
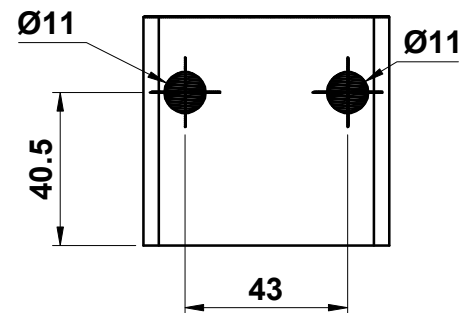
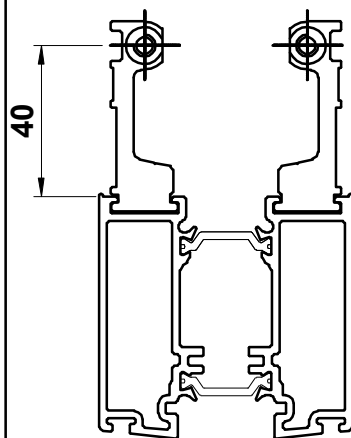
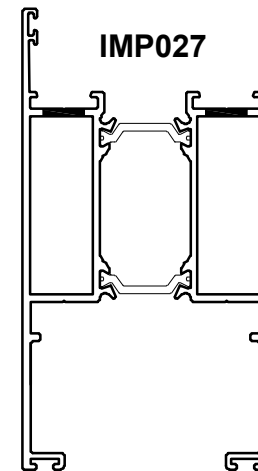
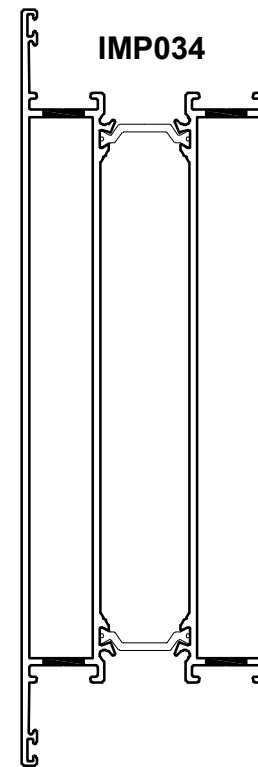
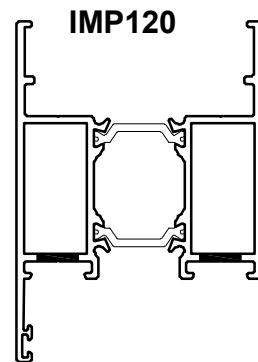
4 x Bracket A:
1 x PUA028
1 x ACDR051

4 x Bracket B:
1 x ACET290
2 x MUA026SSZ

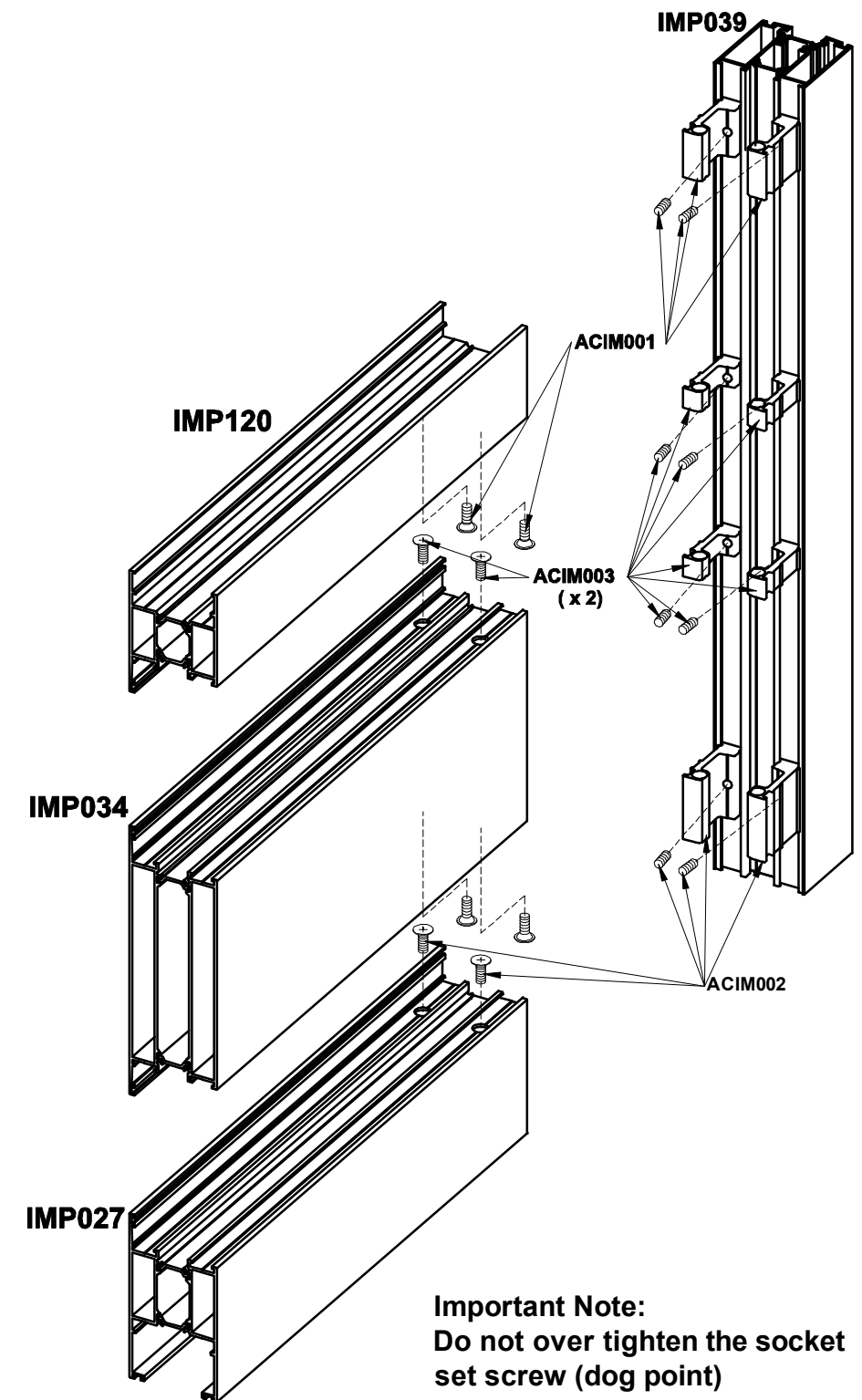
Do Not Scale From This Drawing

Door Assembly

Important Note:
Do not over tighten the socket
set screw (dog point)

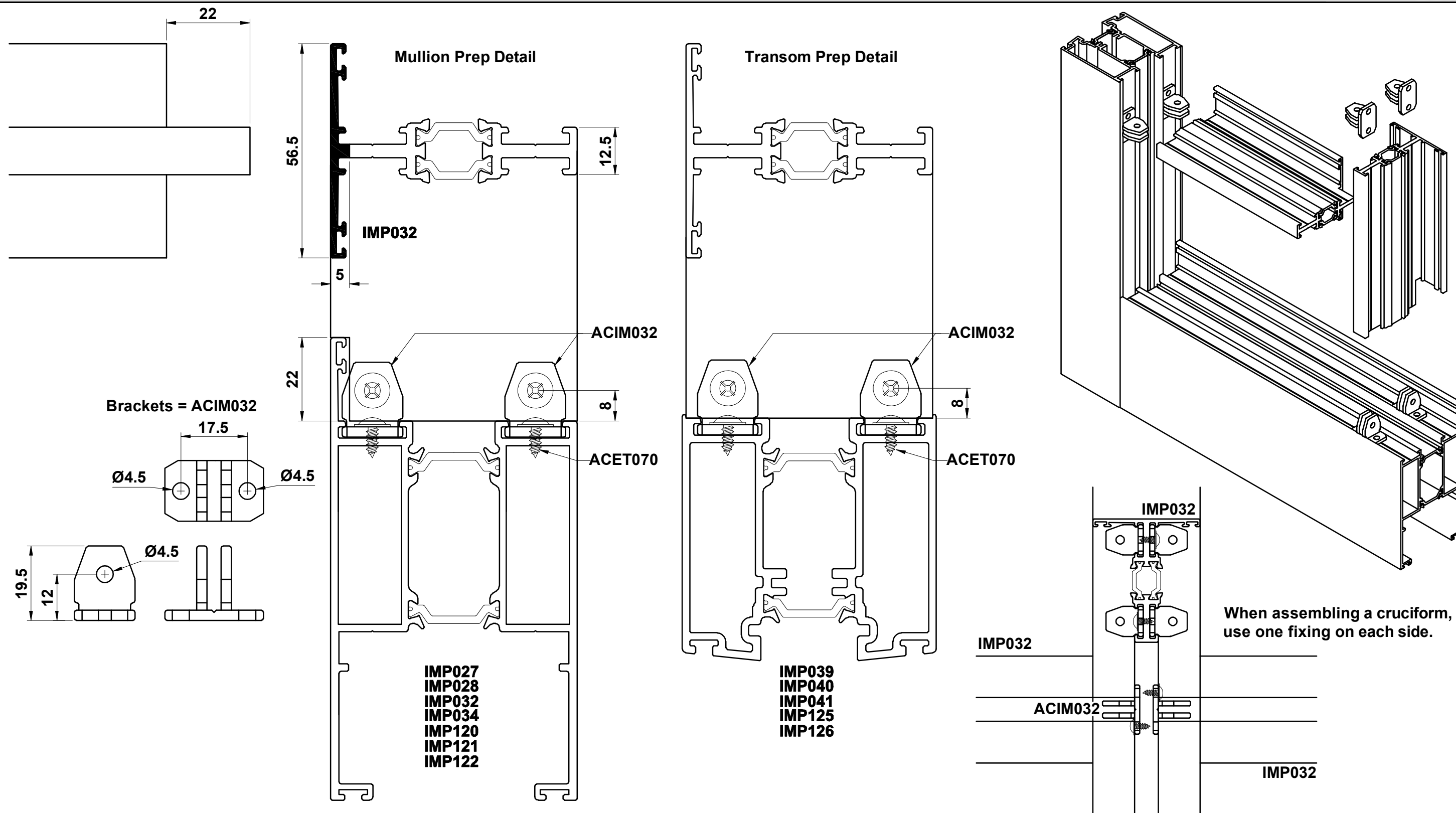


To Ensure Accuracy
Use recommended
Drill Jig - **ACIM901A**



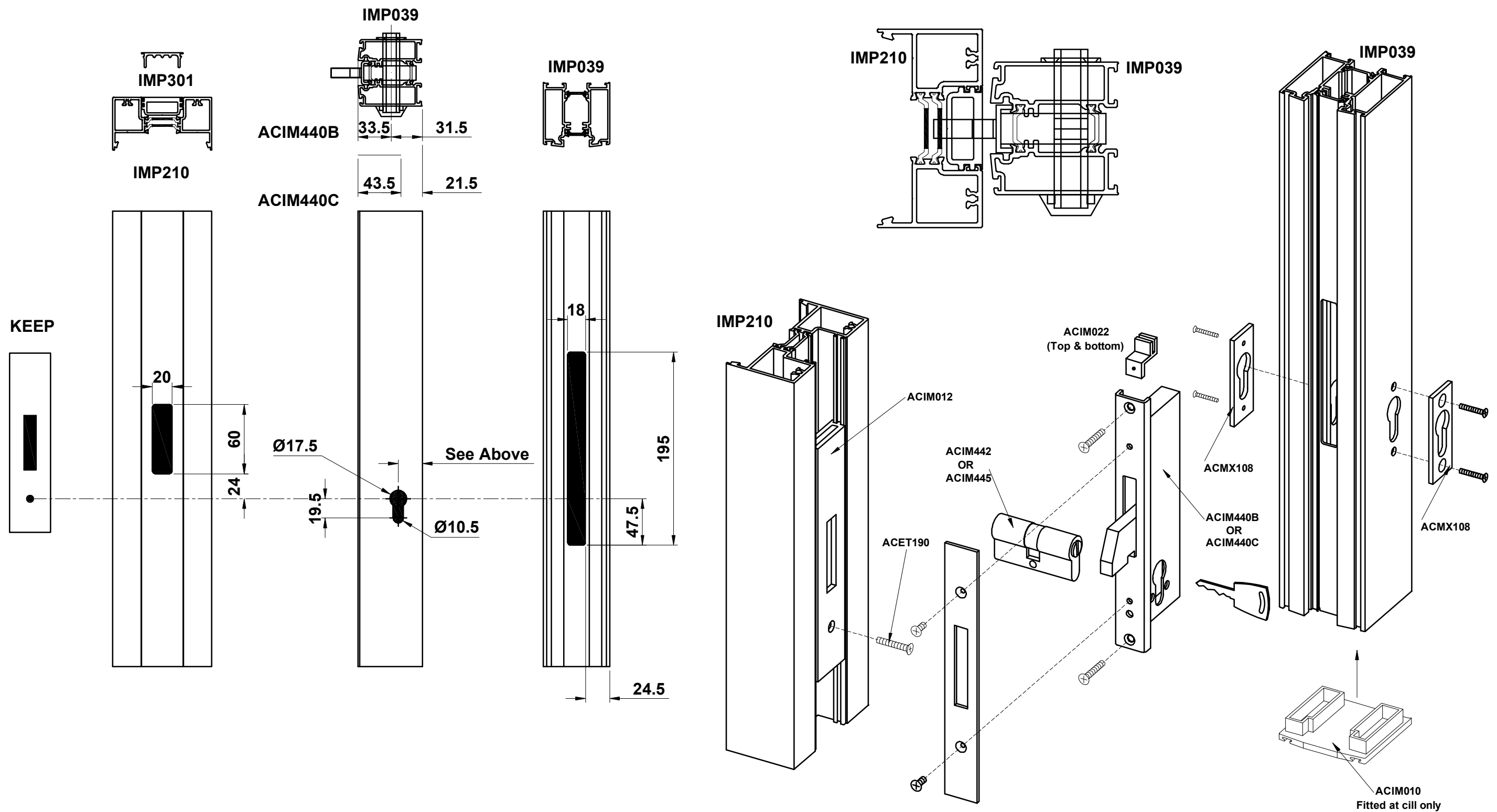
Do Not Scale From This Drawing

IMP032 Preparation



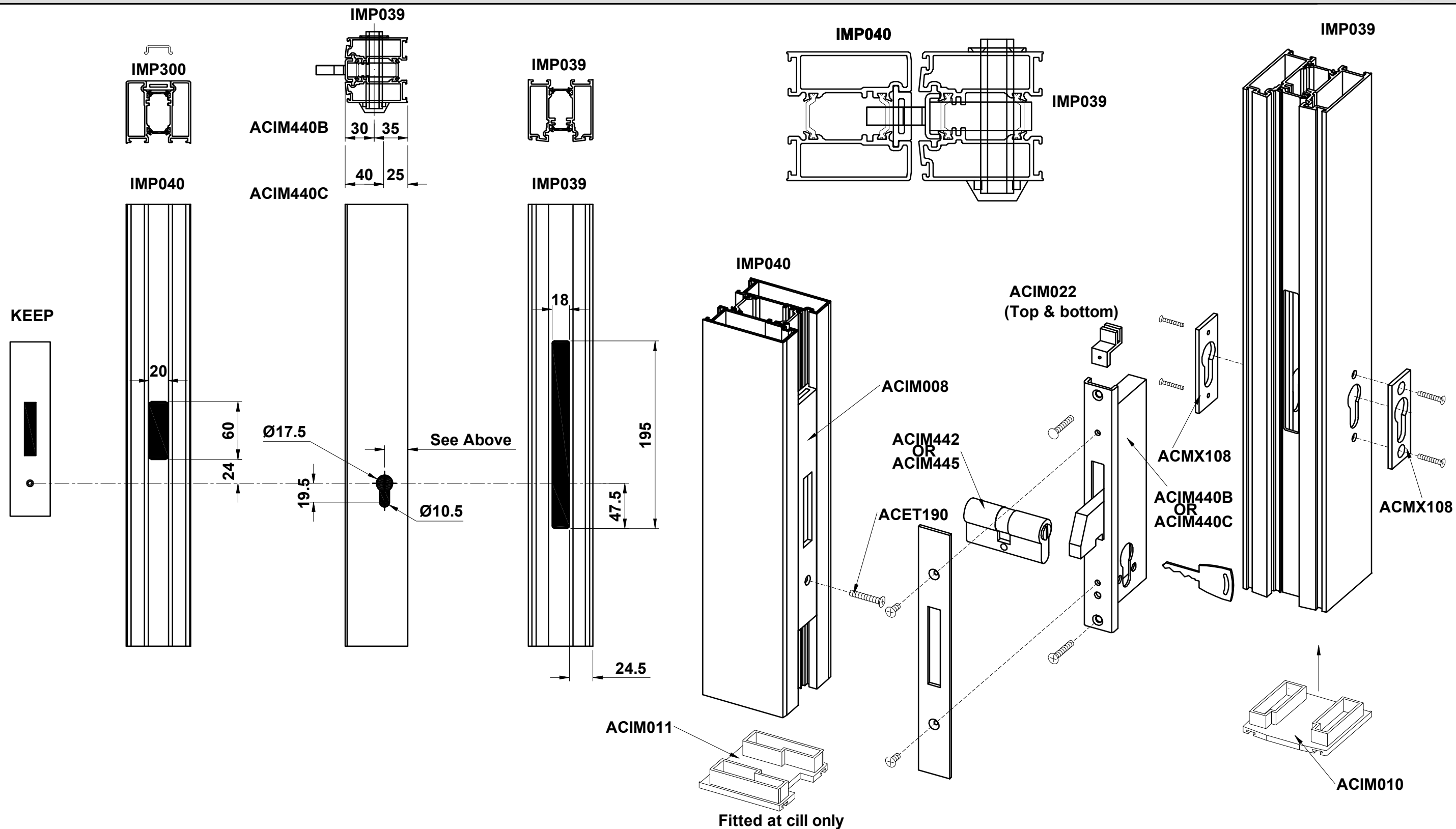
Do Not Scale From This Drawing

Single Door Lock Preparation



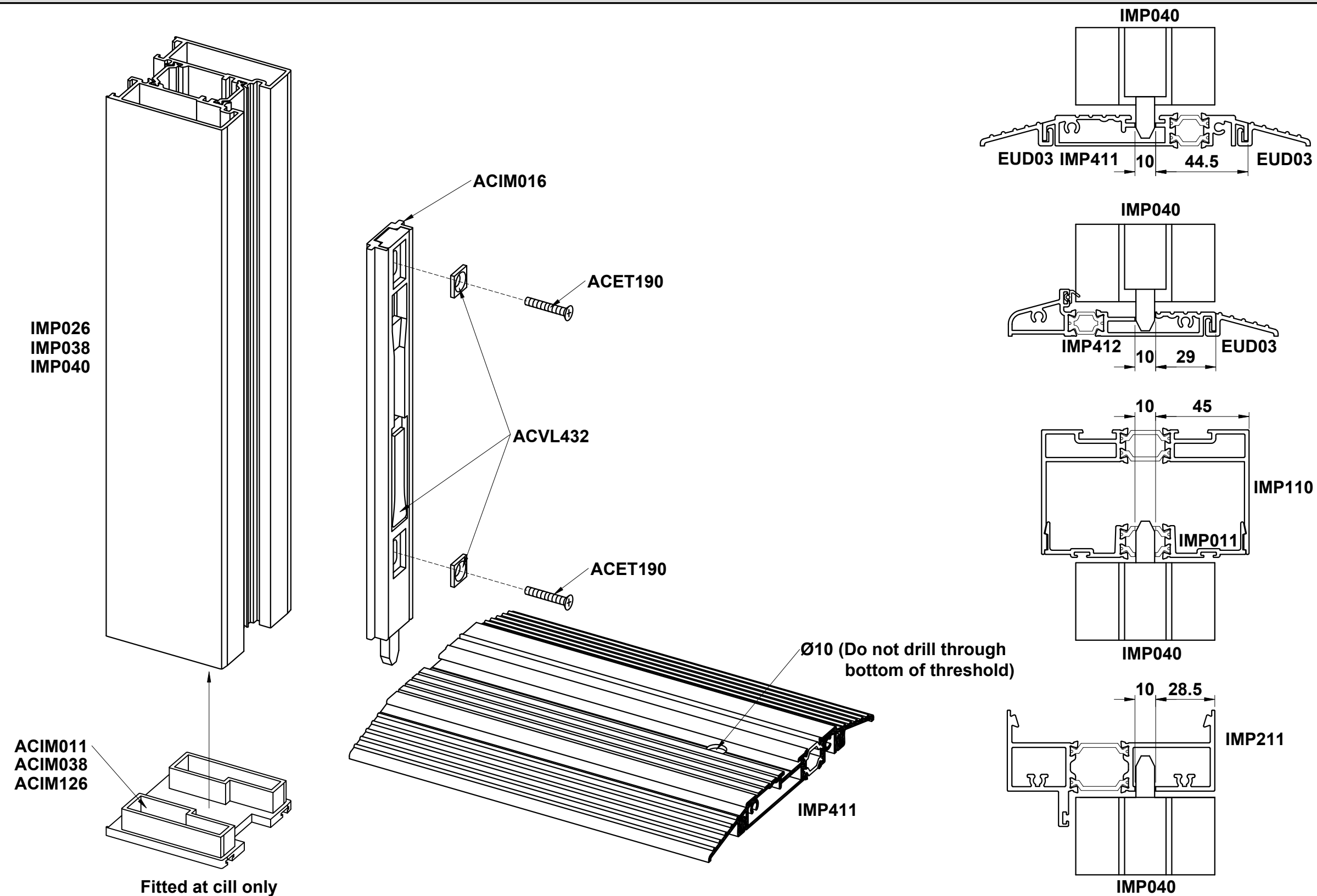
Do Not Scale From This Drawing

Double Door Lock Preparation



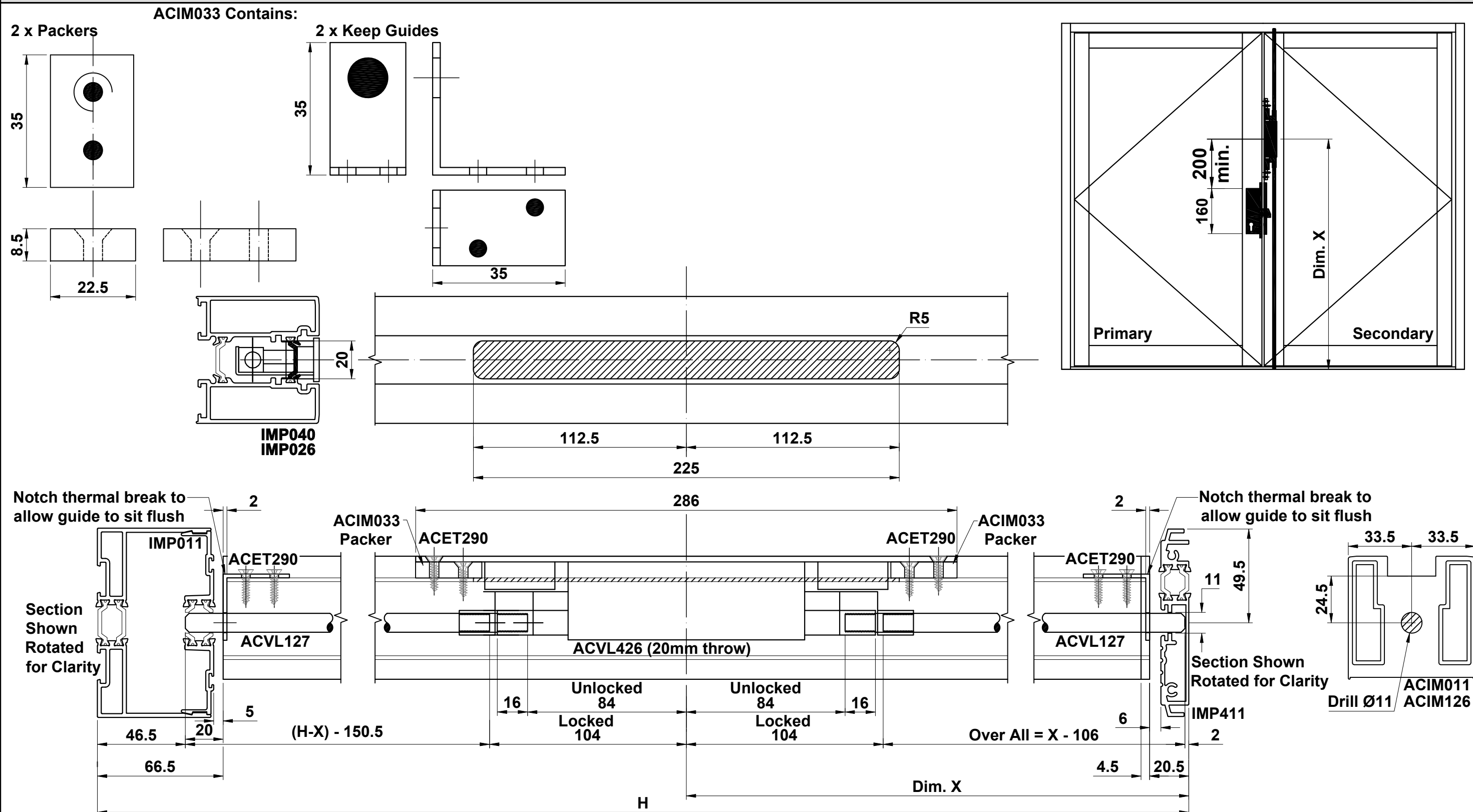
DDN No Scale For This Drawing

Finger Bolt Assembly



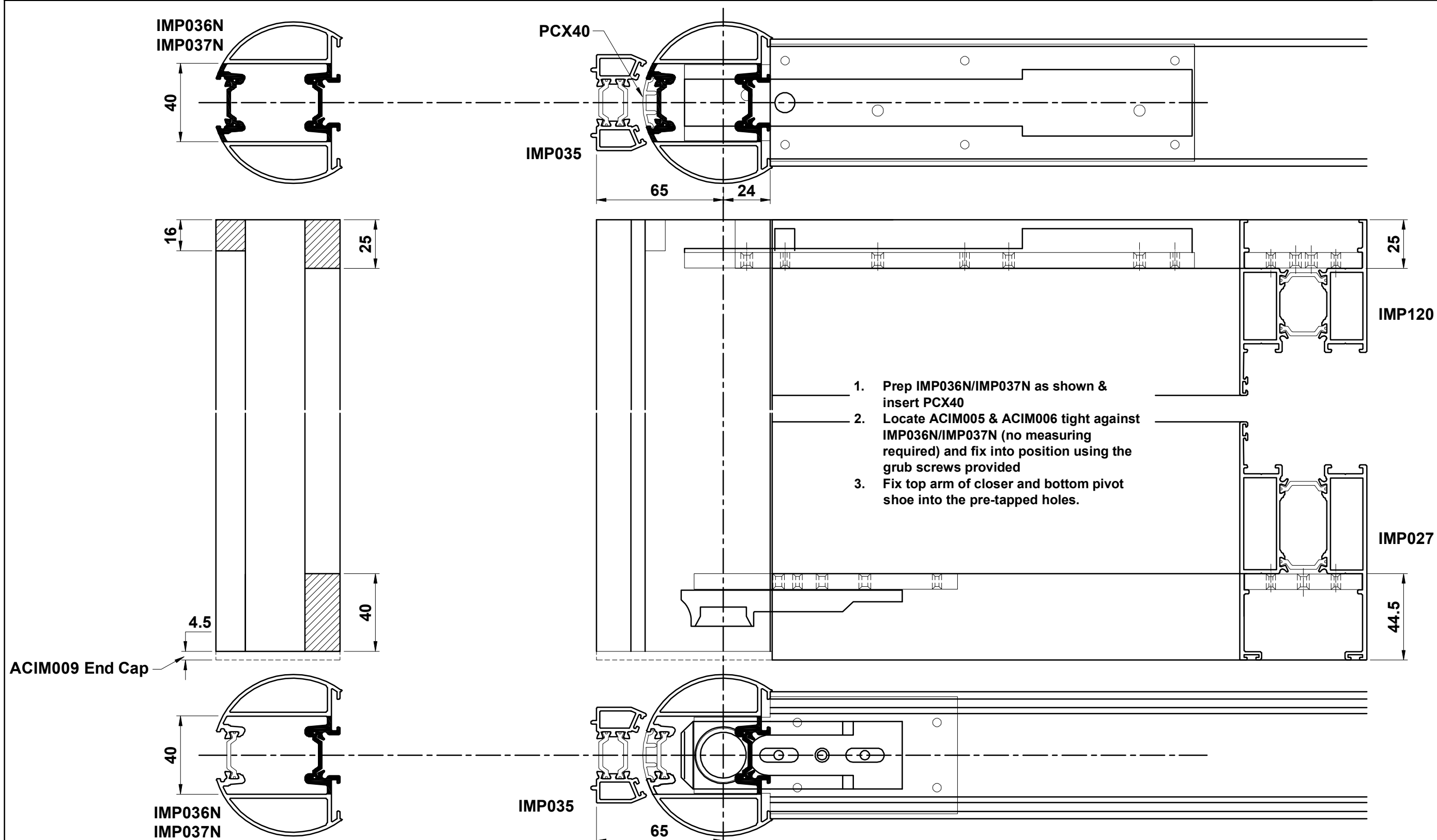
Do Not Scale From This Drawing

ACVL426, ACVL127 & ACIM033 Assembly



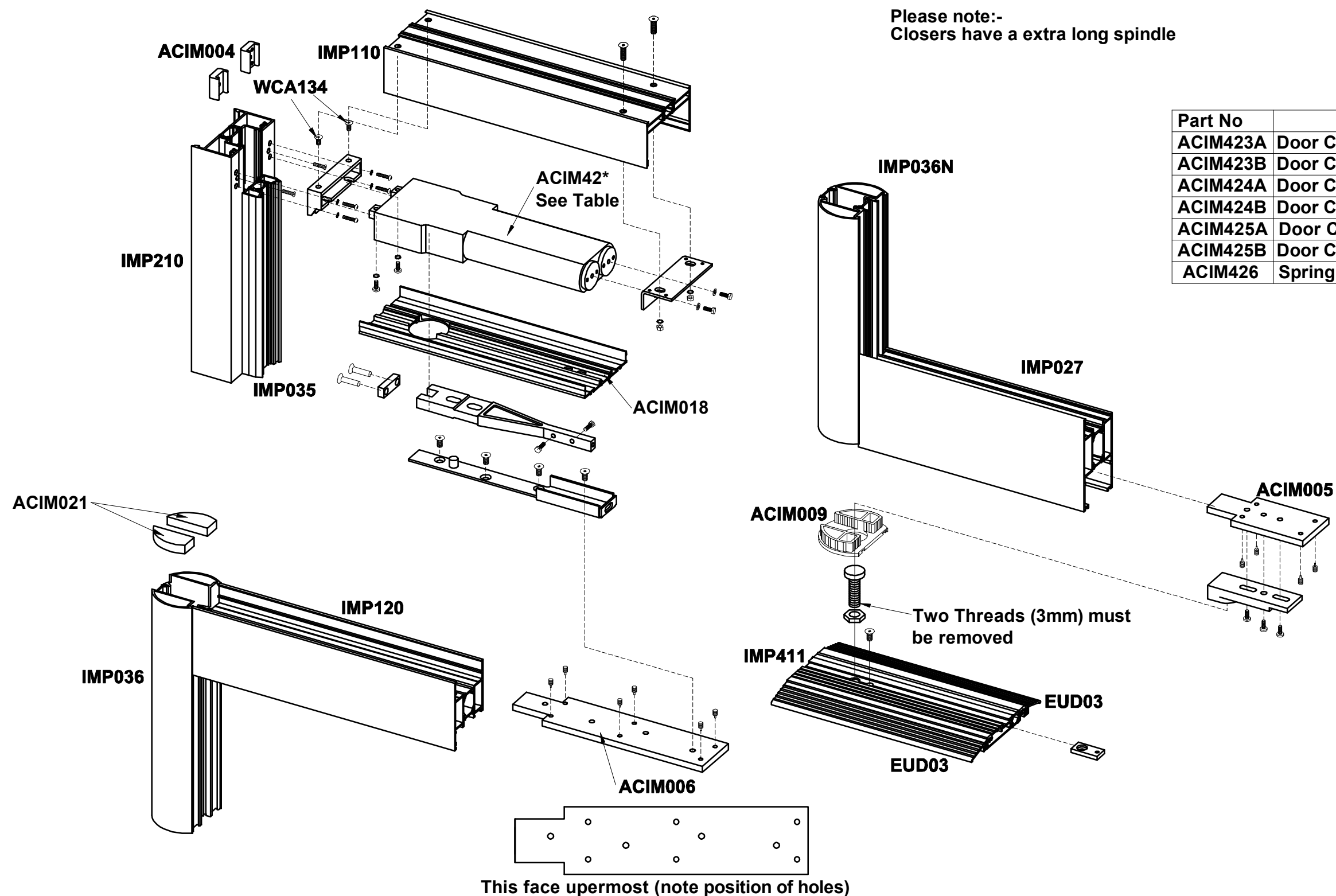
Do Not Scale From This Drawing

Door Closer Assembly



Do Not Scale From This Drawing

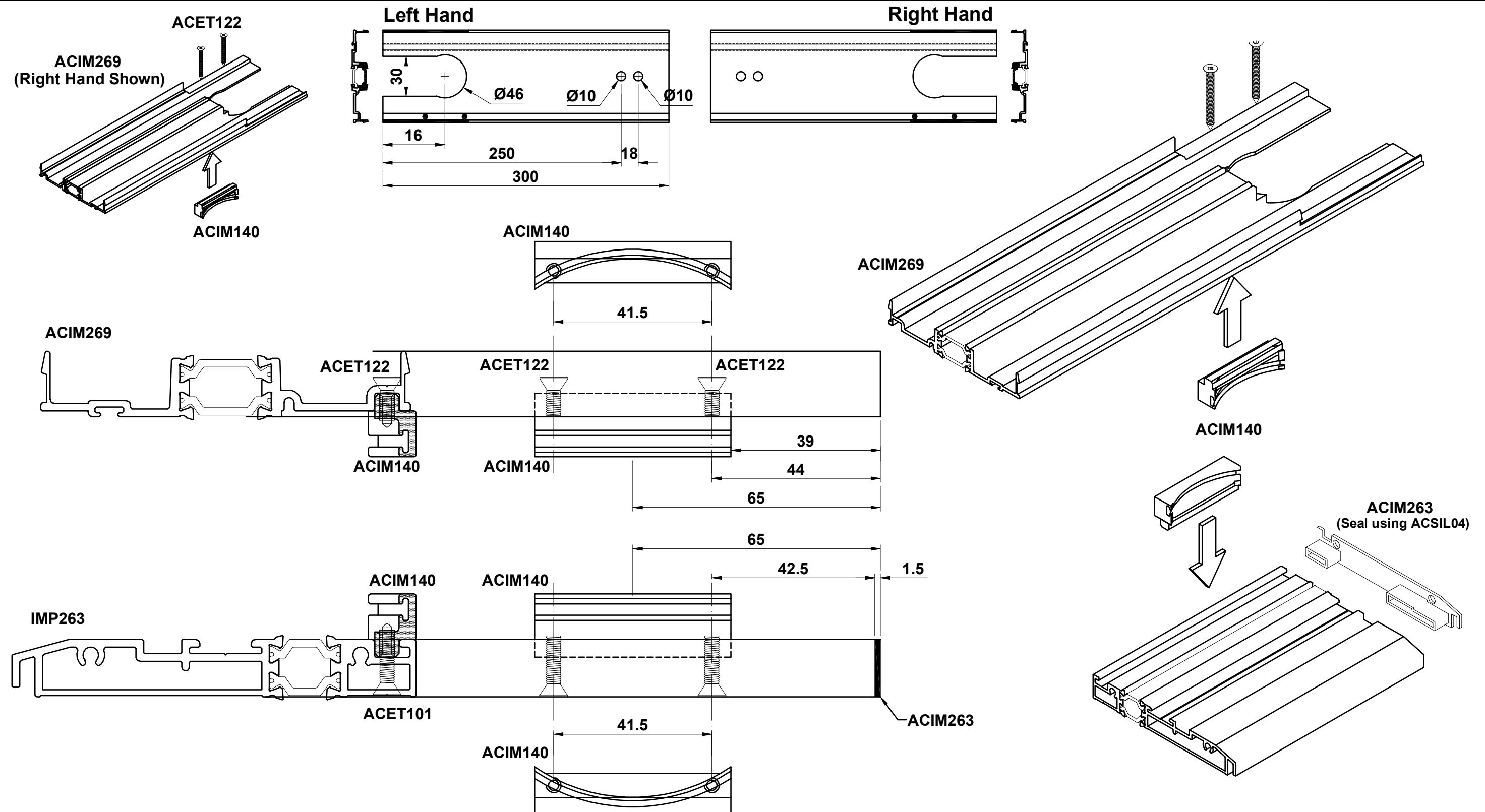
Door Closer Assembly



Part No	Description
ACIM423A	Door Closer Not Hold Open 750/950
ACIM423B	Door Closer Hold Open 750/950
ACIM424A	Door Closer Not Hold Open 950/1150
ACIM424B	Door Closer Hold Open 950/1150
ACIM425A	Door Closer Not Hold Open <750
ACIM425B	Door Closer Hold Open <750
ACIM426	Springless Door Closer <750/1150

Do Not Scale From This Drawing

Rebated Door Closer Assembly

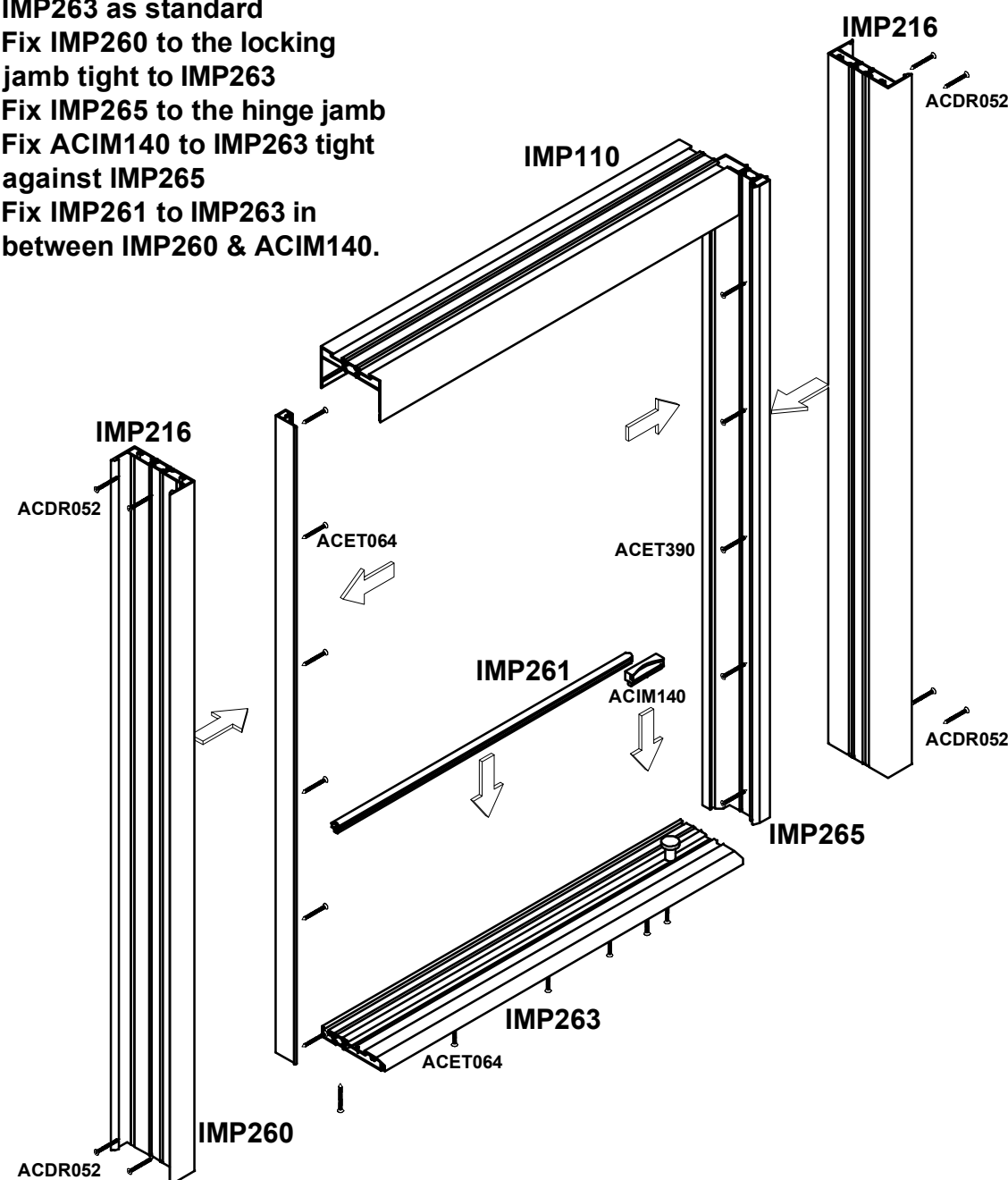


Do Not Scale From This Drawing

Rebated Door Assembly Process

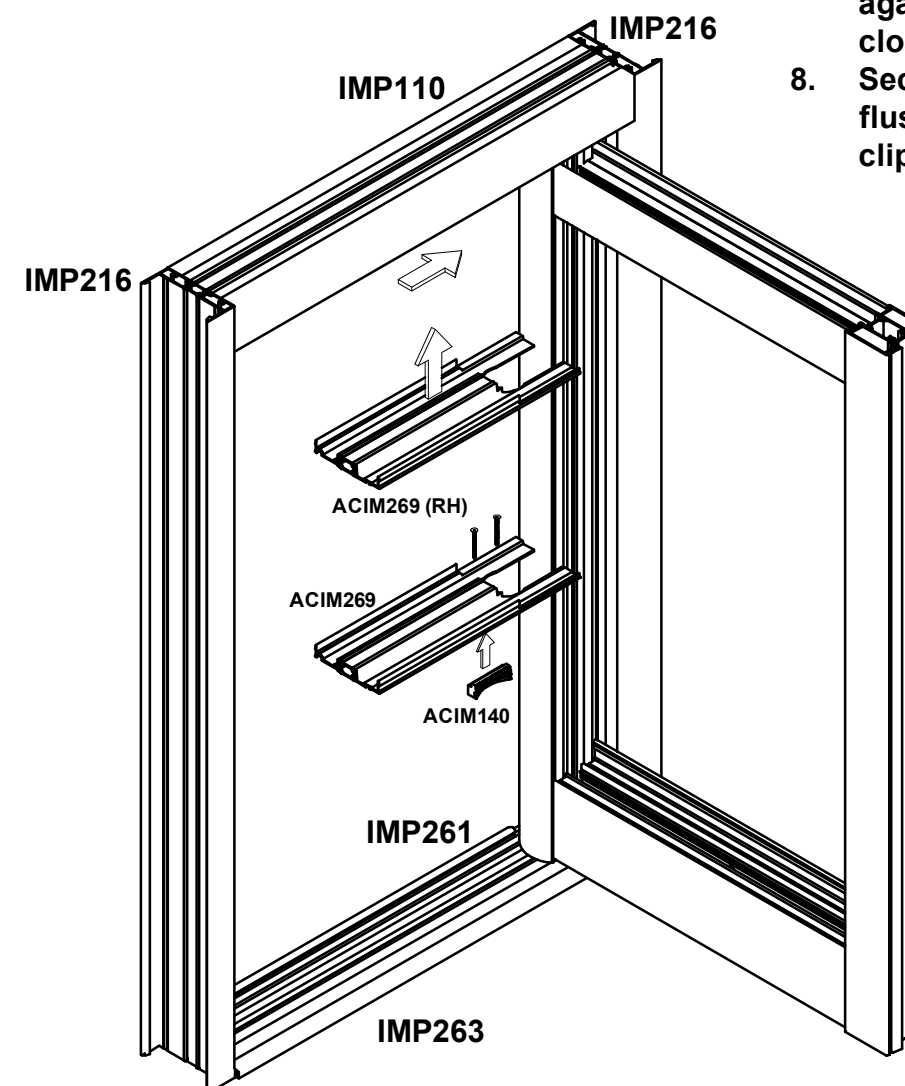
Assembly Instructions:

1. Assemble IMP110, IMP216 & IMP263 as standard
2. Fix IMP260 to the locking jamb tight to IMP263
3. Fix IMP265 to the hinge jamb
4. Fix ACIM140 to IMP263 tight against IMP265
5. Fix IMP261 to IMP263 in between IMP260 & ACIM140.



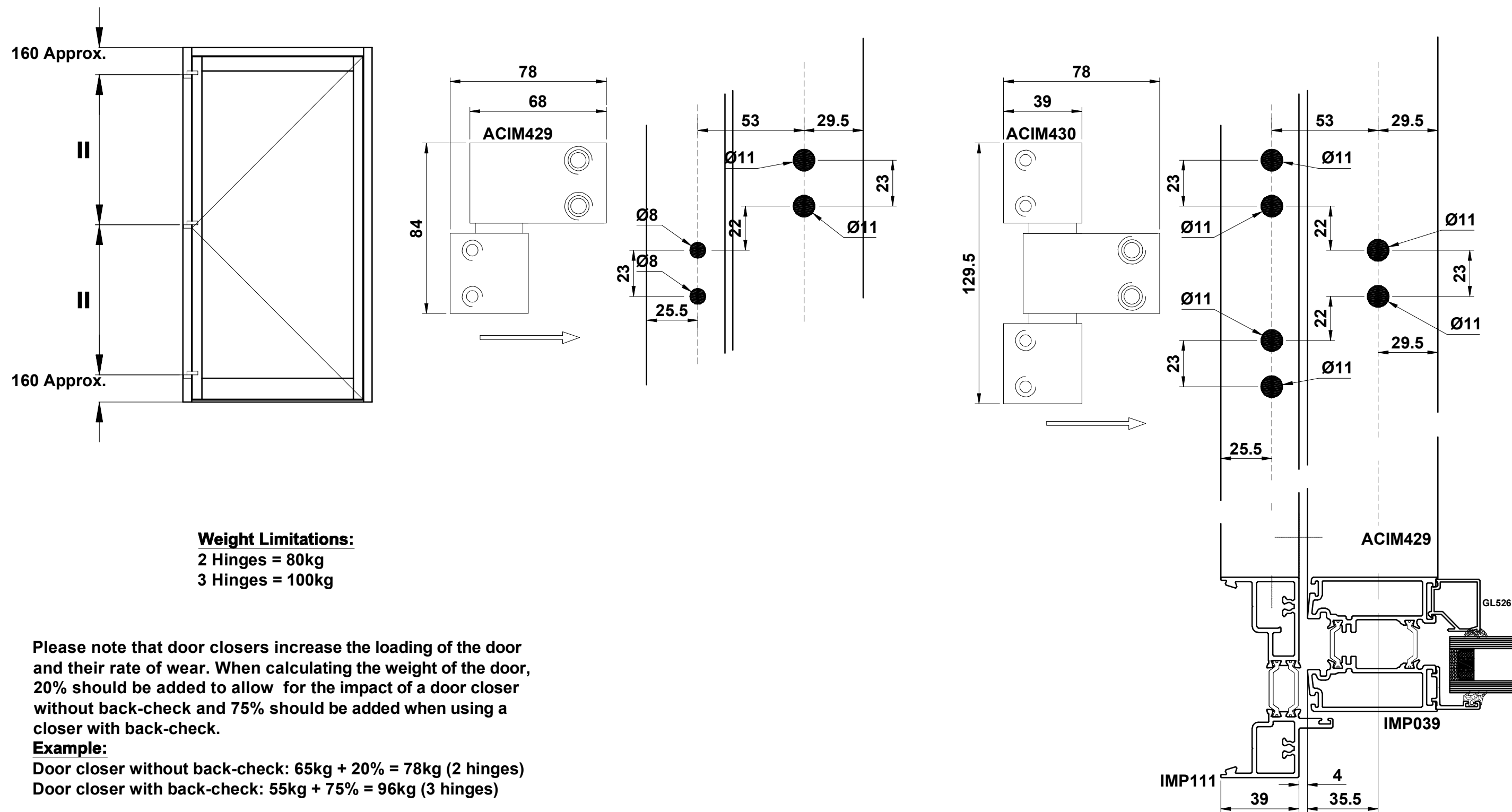
Assembly Instructions continued:

6. Hang door sash
7. With **ACIM140** secured to **ACIM269**, clip the **ACIM269** into **IMP110** and slide tight against **IMP265** over the closer pivot
8. Secure **IMP262** to **IMP269** flush to the locking side and clip into **IMP110**.



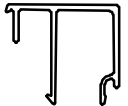
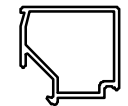
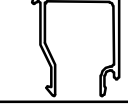
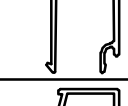
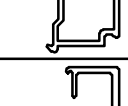
Do Not Scale From This Drawing

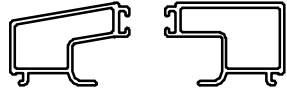
ACIM429 & ACIM430 Fixing Details

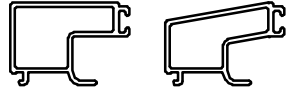


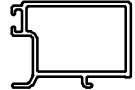
Do Not Scale From This Drawing

Glazing Details

Glazing Table for Doors			
Glass Thickness	External Gasket	Internal Gasket	Glazing Bead
23	ACVG31 (3mm)	ACVG34 (5mm)	GL030 
24	ACVG31 (3mm)	ACVG33 (4mm)	
25	ACVG31 (3mm)	ACVG32 (3mm)	
26	ACVG131 (4mm)	ACVG34 (5mm)	
27	ACVG31 (3mm)	ACVG34 (5mm)	GL526 
28	ACVG31 (3mm)	ACVG33 (4mm)	
29	ACVG31 (3mm)	ACVG32 (3mm)	
30	ACVG31 (3mm)	ACVG34 (5mm)	
31	ACVG31 (3mm)	ACVG33 (4mm)	GL023 
32	ACVG31 (3mm)	ACVG32 (3mm)	
33	ACVG31 (3mm)	ACVG34 (5mm)	
34	ACVG31 (3mm)	ACVG33 (4mm)	
35	ACVG31 (3mm)	ACVG32 (3mm)	GL020 
36	ACVG131 (4mm)	ACVG34 (5mm)	
37	ACVG31 (3mm)	ACVG34 (5mm)	
38	ACVG31 (3mm)	ACVG33 (4mm)	
39	ACVG31 (3mm)	ACVG34 (5mm)	GL014 
40	ACVG31 (3mm)	ACVG33 (4mm)	
41	ACVG31 (3mm)	ACVG32 (3mm)	
42	ACVG31 (3mm)	ACVG33 (4mm)	
43	ACVG31 (3mm)	ACVG32 (3mm)	GL512 
44	ACVG31 (3mm)	ACVG34 (5mm)	
45	ACVG31 (3mm)	ACVG34 (5mm)	
46	ACVG31 (3mm)	ACVG33 (4mm)	
47	ACVG31 (3mm)	ACVG32 (3mm)	GL008 
48	ACVG131 (4mm)	ACVG34 (5mm)	
49	ACVG31 (3mm)	ACVG34 (5mm)	
50	ACVG31 (3mm)	ACVG33 (4mm)	
51	ACVG31 (3mm)	ACVG32 (3mm)	GL004 

Glazing Table for IMP110			
Glass Thickness	External Gasket	Internal Gasket	Glazing Bead
28	ACVG131 (4mm)	ACVG34 (5mm)	IMP615 & IMP613 

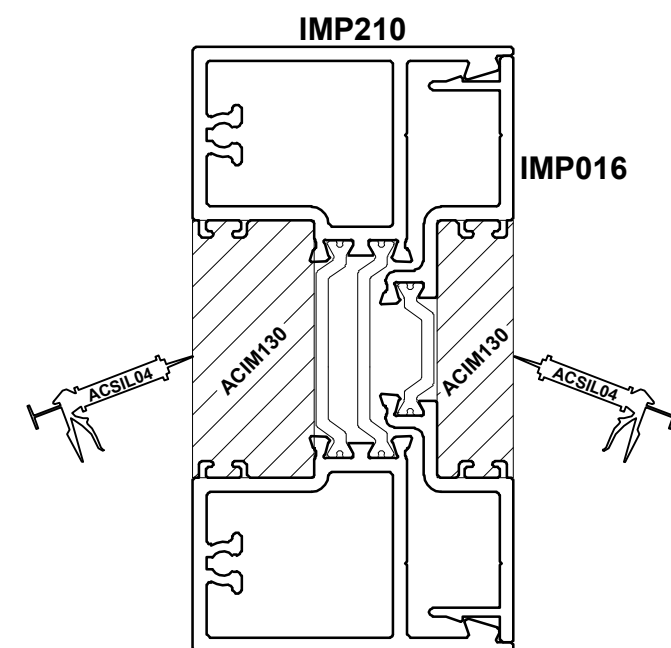
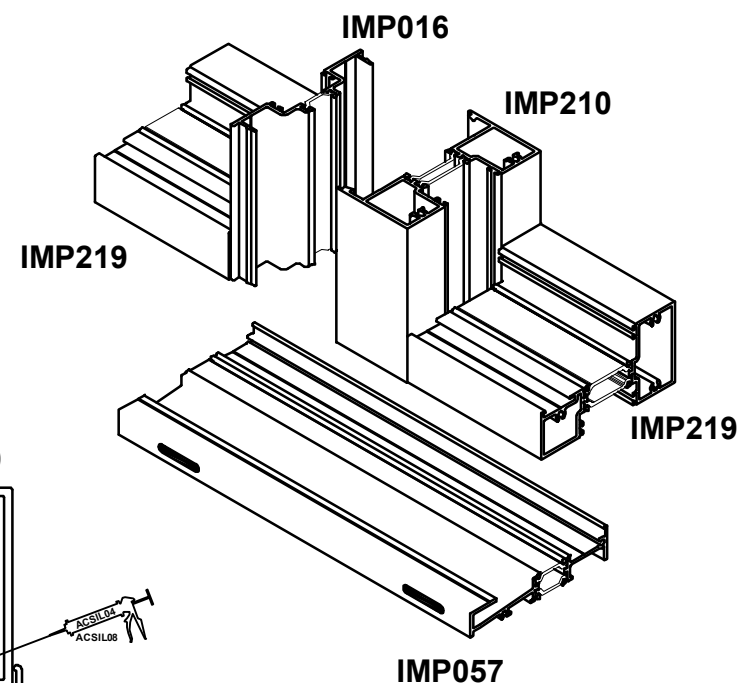
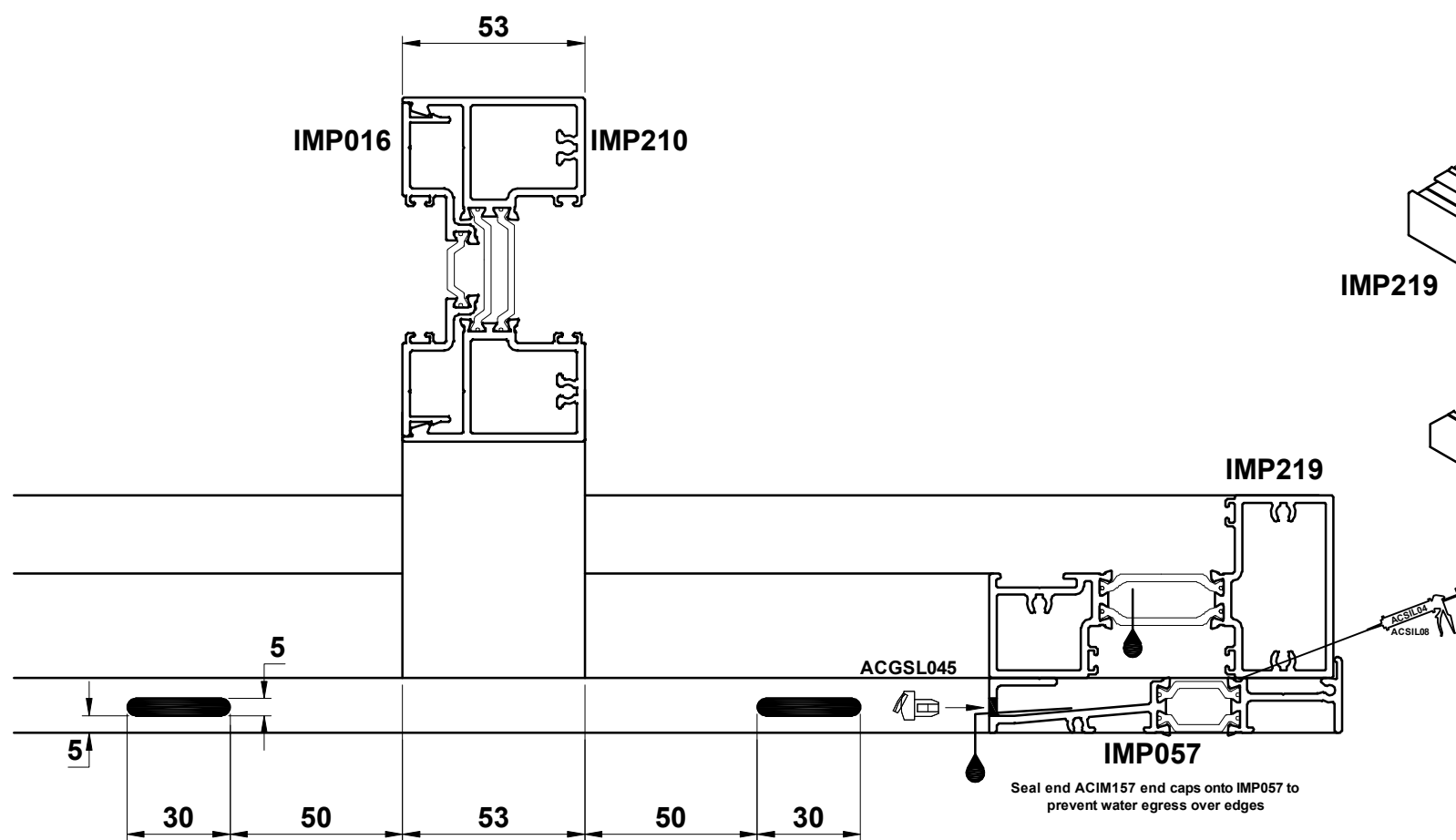
Glazing Table for IMP030 & IMP217			
Glass Thickness	External Gasket	Internal Gasket	Glazing Bead
28	ACVG131 (4mm)	ACVG34 (5mm)	IMP613 or IMP615 

Glazing Table for IMP215			
Glass Thickness	External Gasket	Internal Gasket	Glazing Bead
28	ACVG131 (4mm)	ACVG34 (5mm)	IMP622 

Glazing Table for IMP219			
Glass Thickness	External Gasket	Internal Gasket	Glazing Bead
28	ACVG131 (4mm)	ACVG34 (5mm)	IMP614 or IMP616 

Do Not Scale From This Drawing

Drainage Details

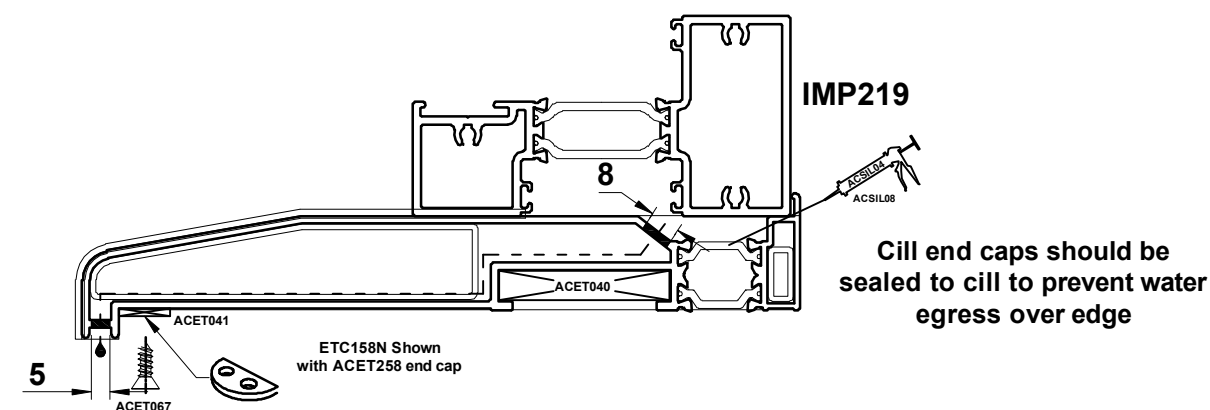
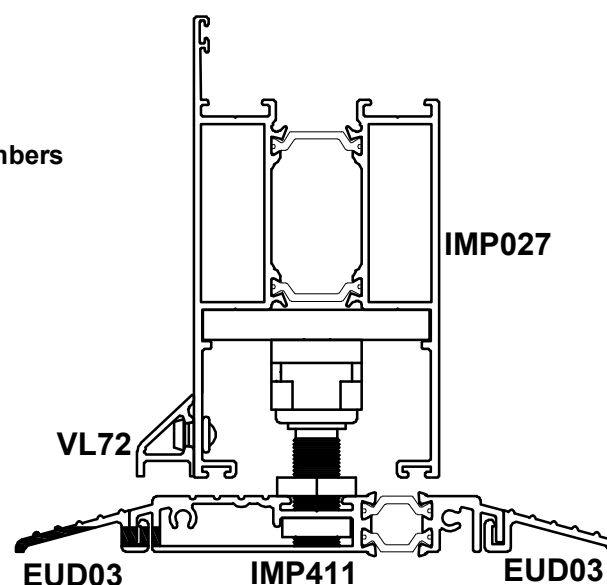
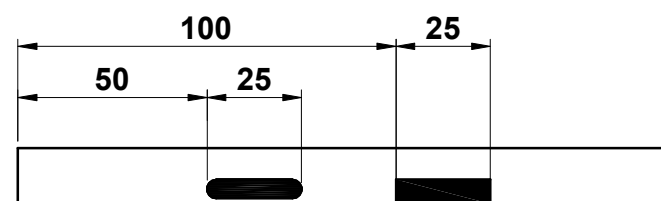


Important Note: To prevent overwhelming the cill drainage, screens over 2400mm high, or in exposed areas, should be zone drained by reducing the flow of water into the glazing channel using ACIM130 Foam Inserts.

ACIM130 Foam Inserts - 50 pairs per pack

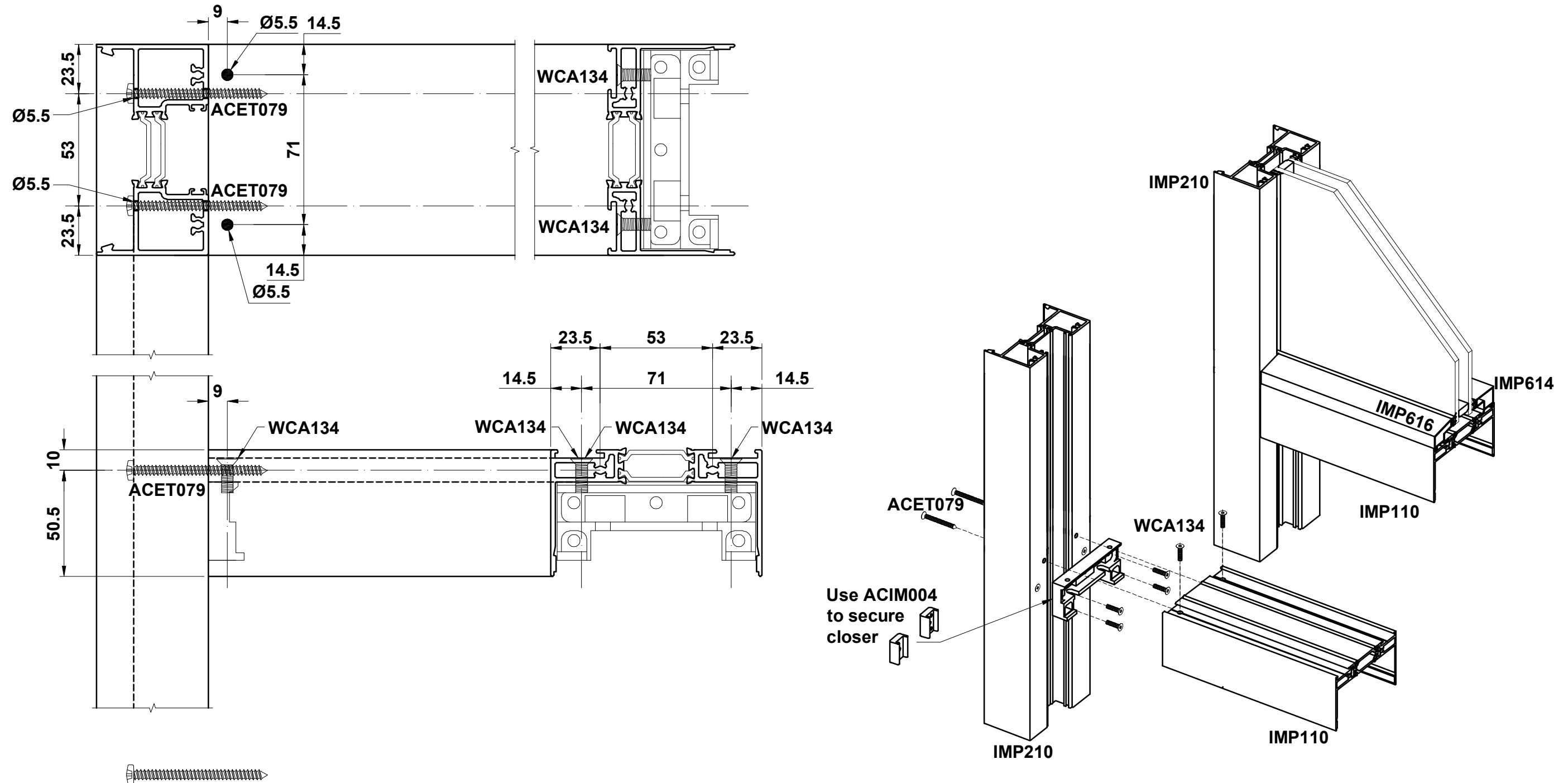
Important Note: All exposed aluminium should be coated using ACSIL014 or painted to match the frame.

Note:
Transoms in screens & rails in doors will drain at the join to vertical members



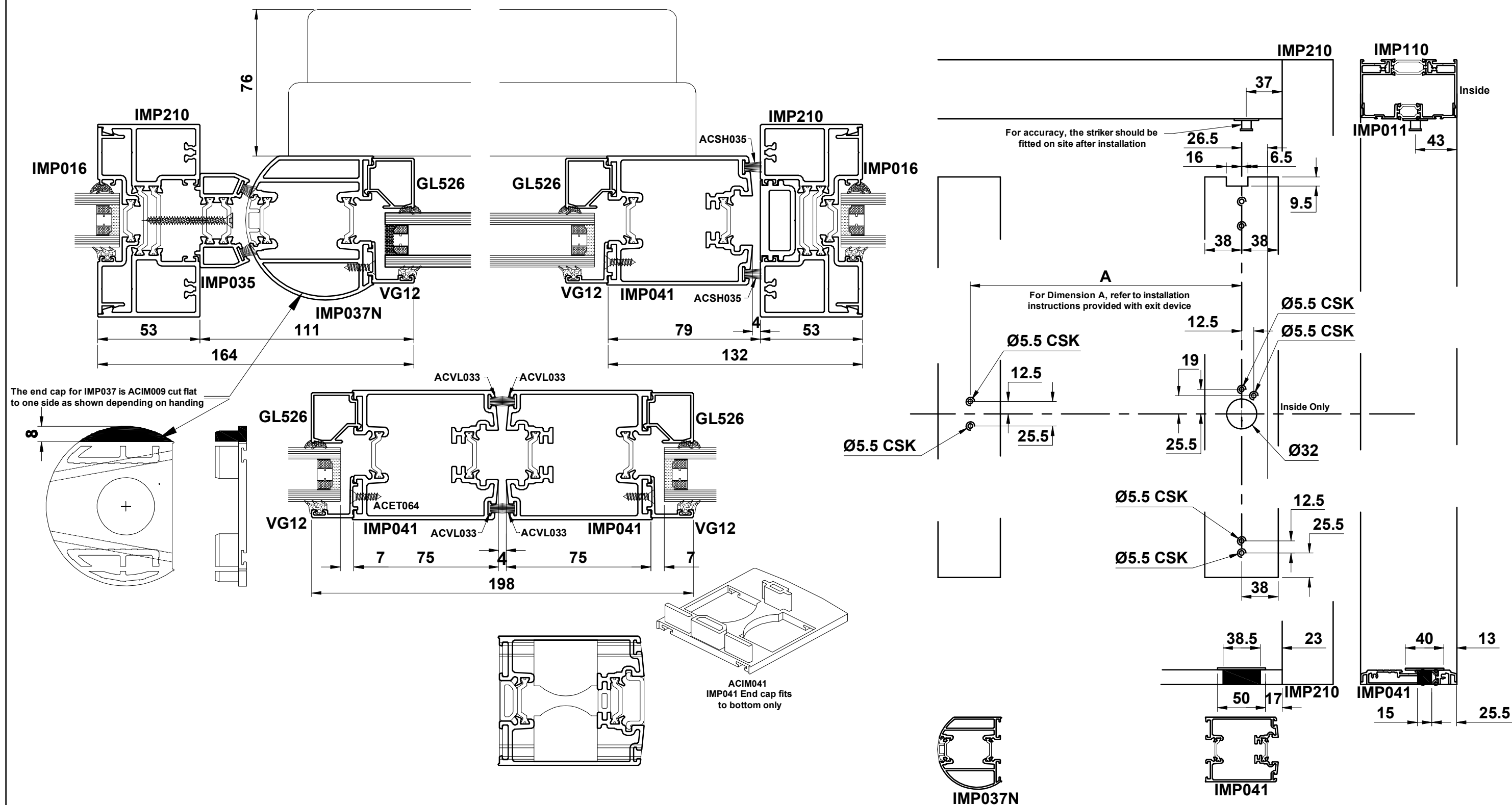
Do Not Scale From This Drawing

IMP110 Assembly for Single & Double Doors



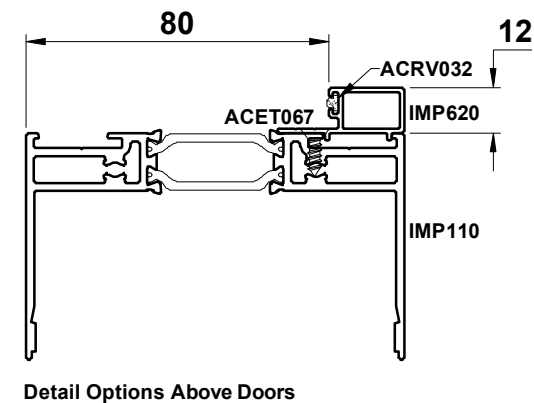
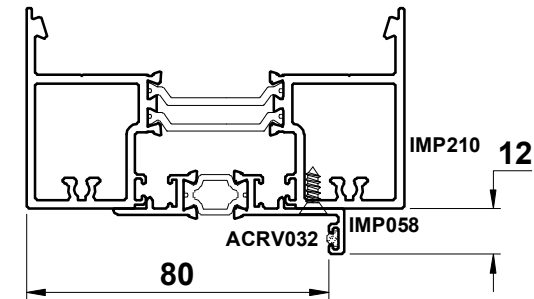
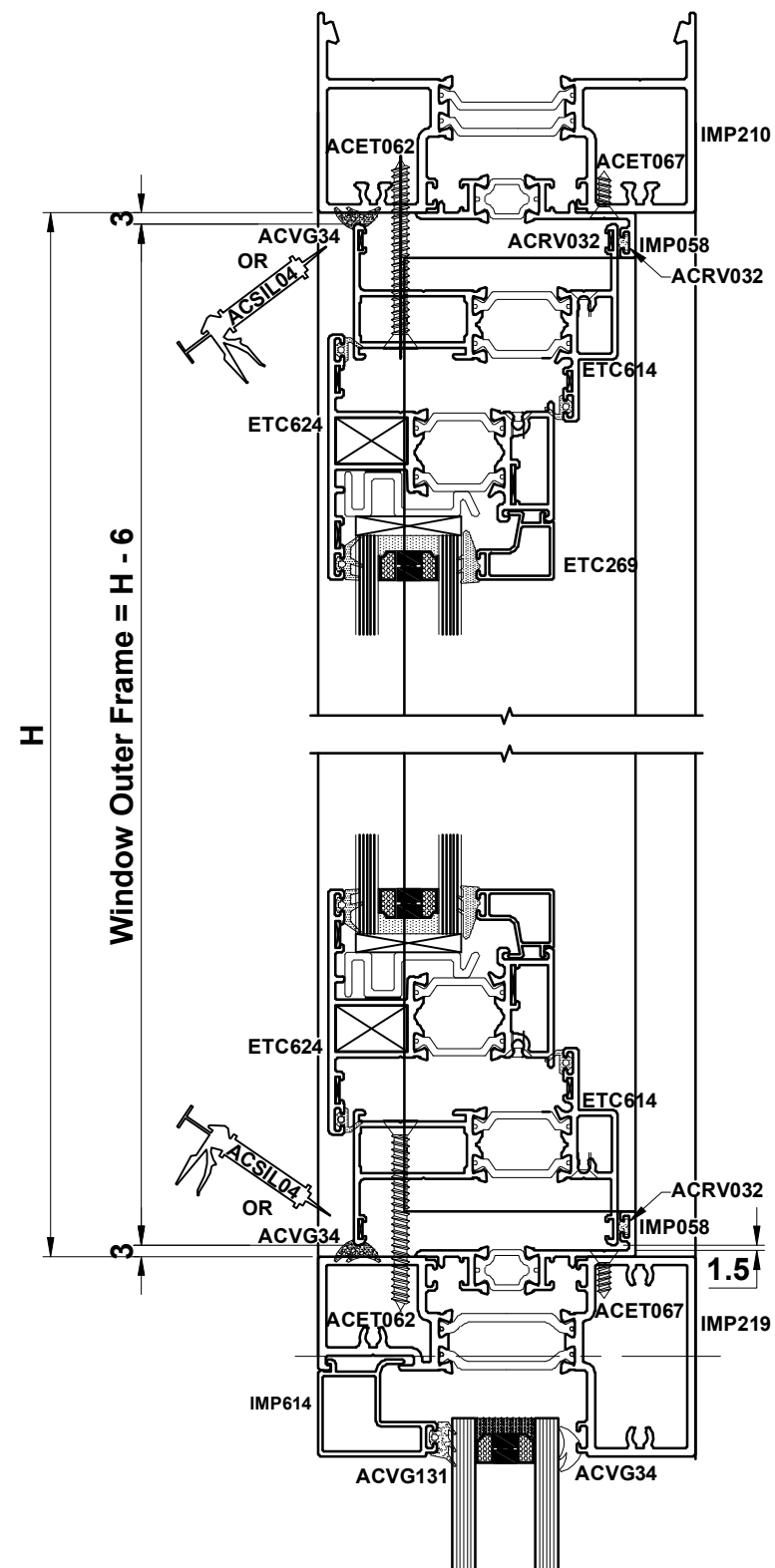
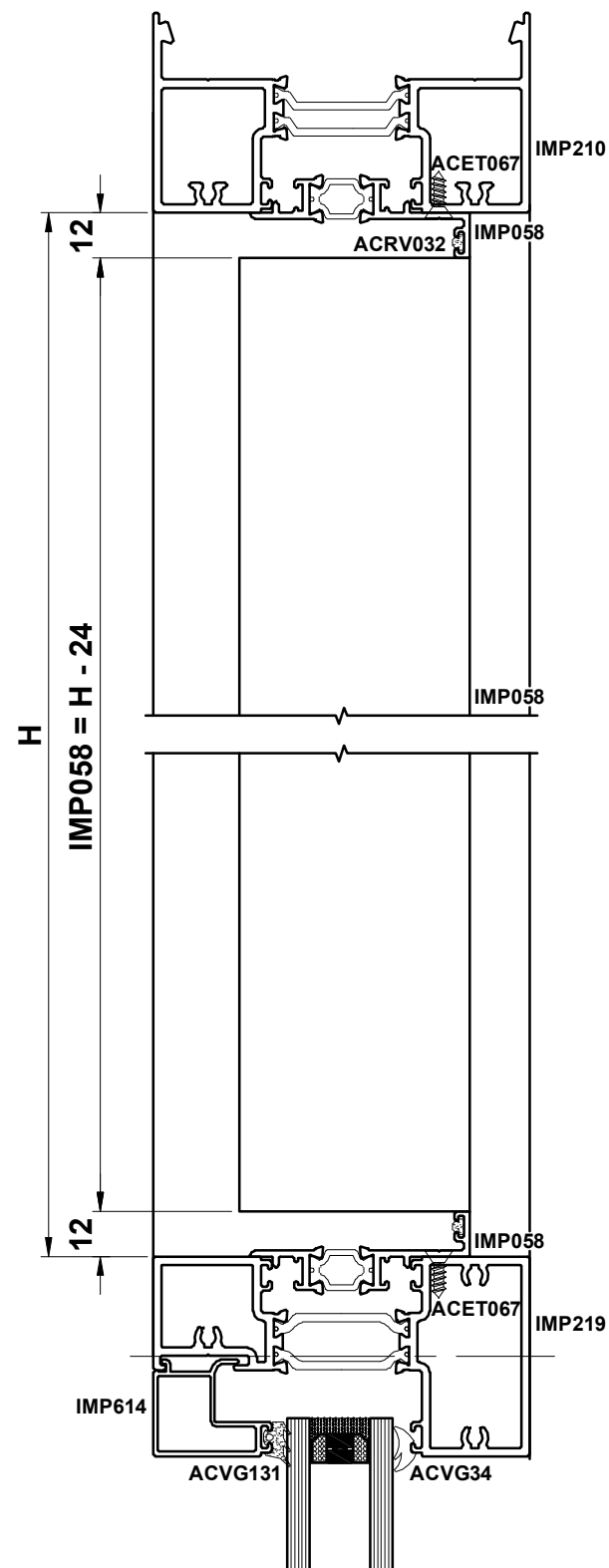
Do Not Scale From This Drawing

ACSH451 & ACSH452 Preparation

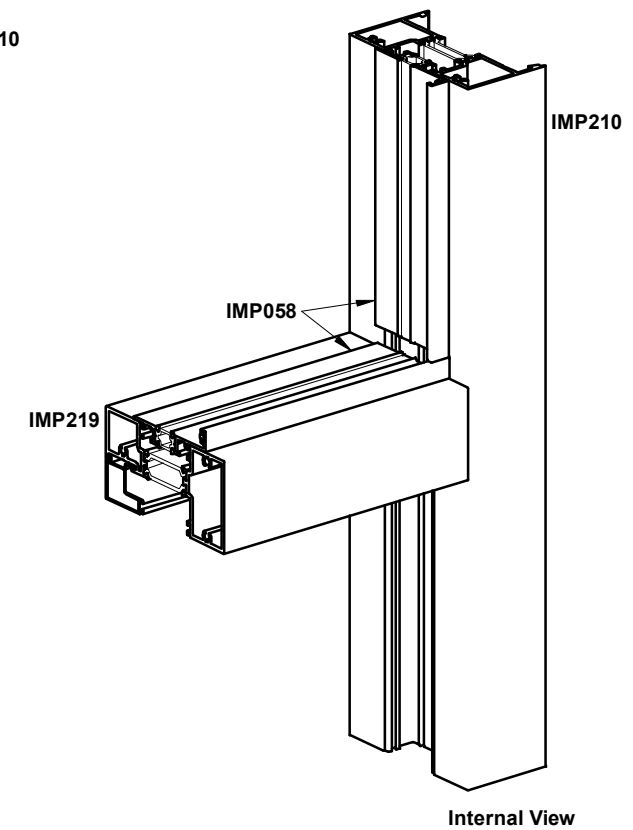
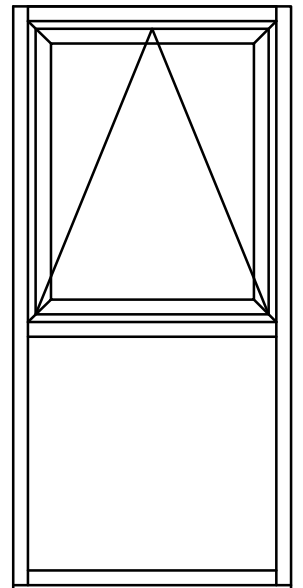


Do Not Scale From This Drawing

Opening Window Inserts

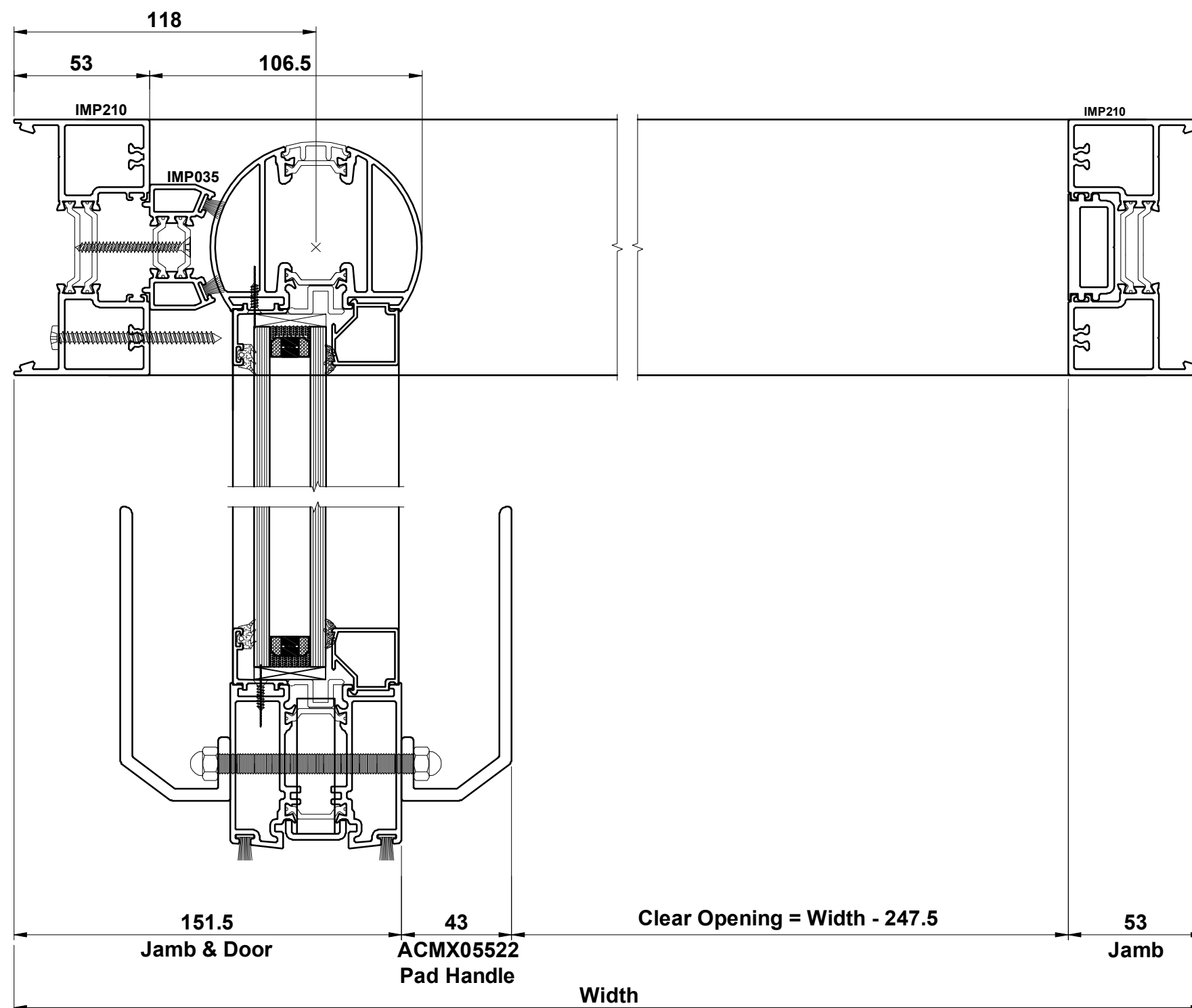


Detail Options Above Doors



Do Not Scale From This Drawing

Clear Opening Deductions



Document M Recommendations for External Doors

	New Buildings	Existing Buildings
Commercial	1000	775
Domestic	775	

Example:

Calculation without Pad Handle:

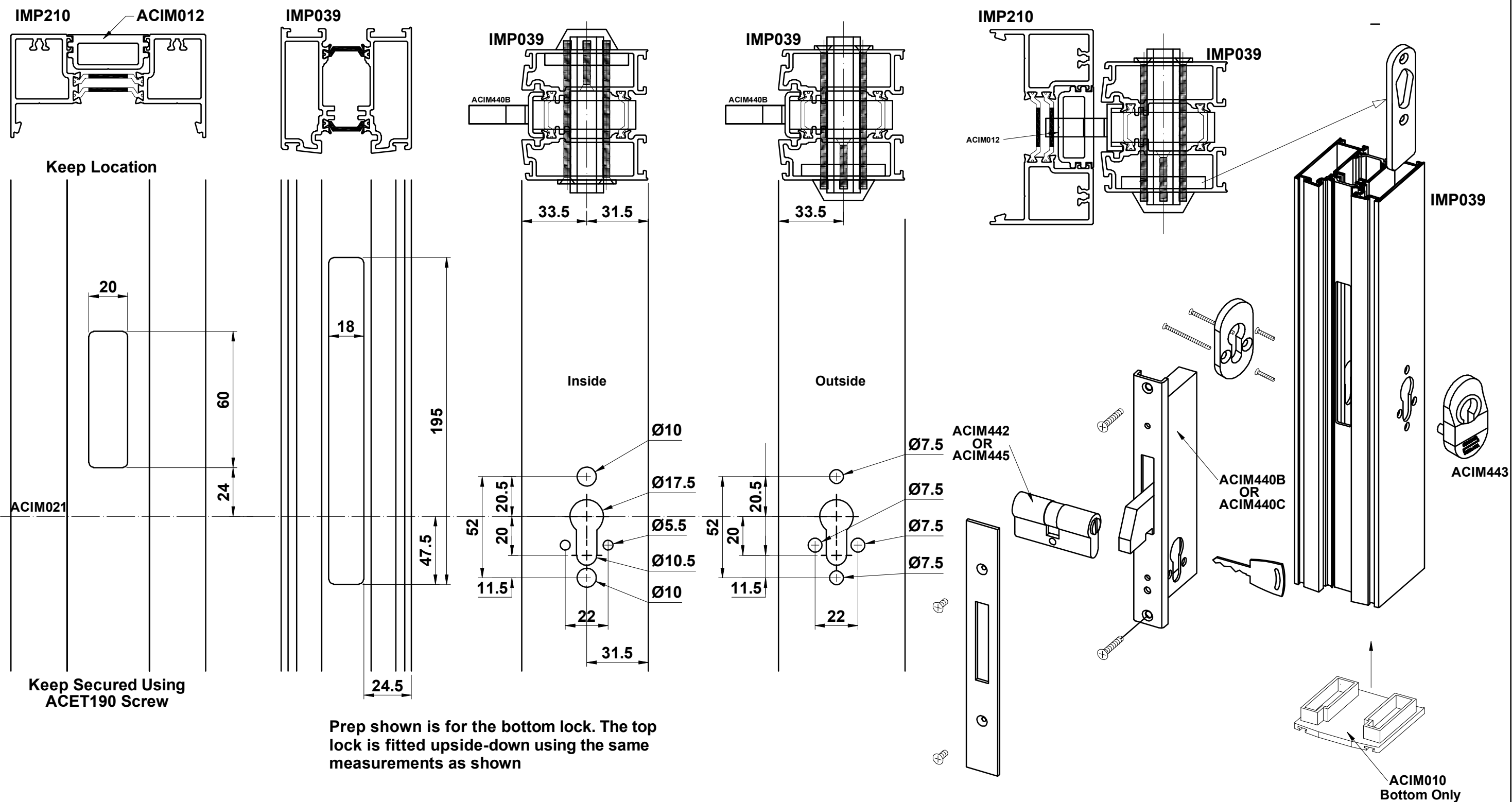
Frame Width	1212.5mm
- 2No.Jambs	106
- Pivot Centre	65
- Half Door Section	41.5
Clear Opening = 1000	

Calculation with Pad Handle:

Frame Width	1247.5mm
- 2No.Jambs	106
- Pivot Centre	65
- Half Door Section	33.5
- Pad Handle	43
Clear Opening = 1000	

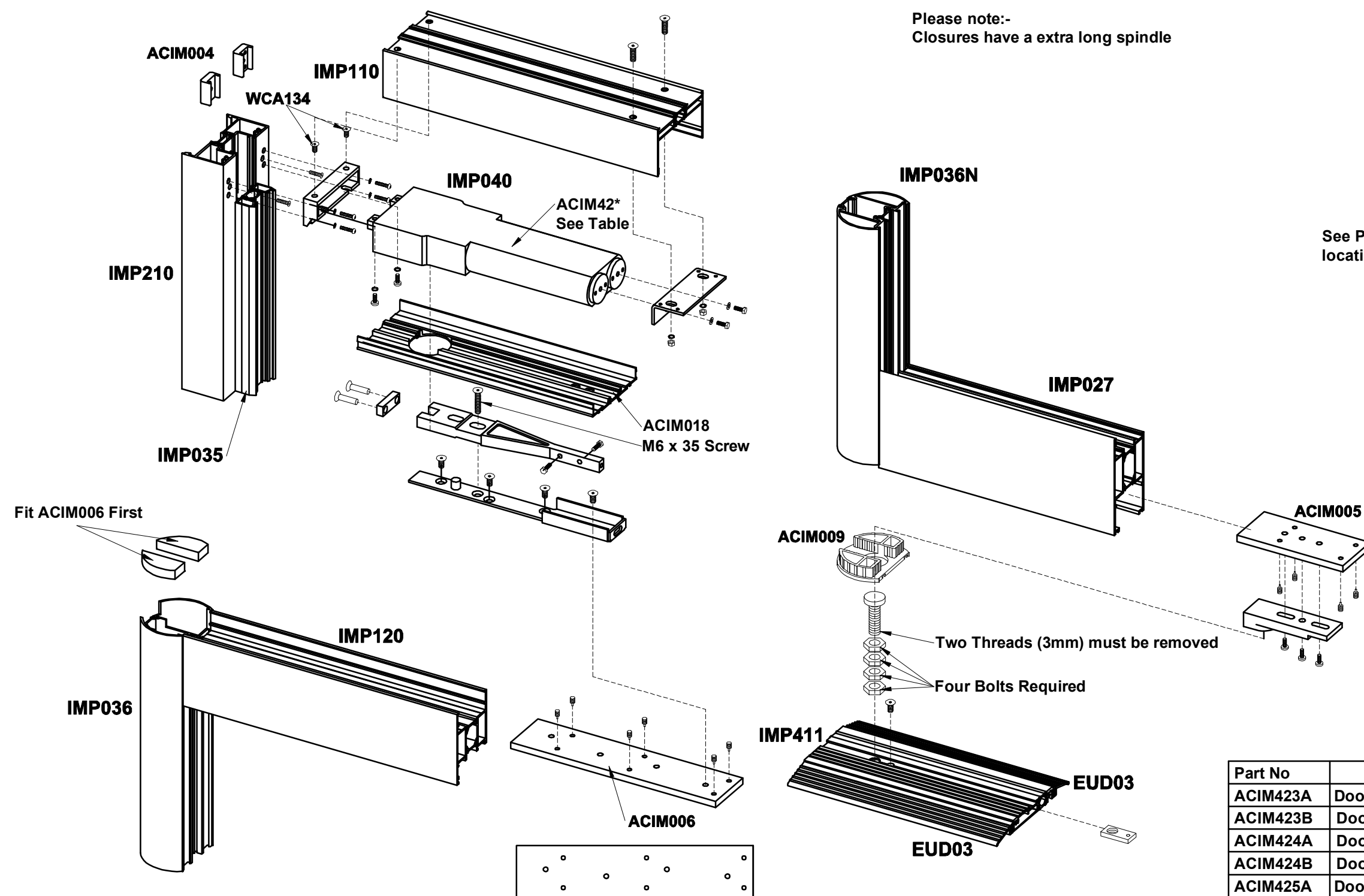
Do Not Scale From This Drawing

LPS1175 Level 2 & ENV1627 Level 3 Installation



Do Not Scale From This Drawing

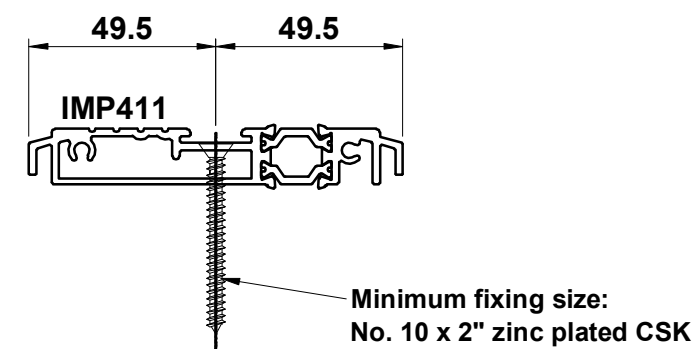
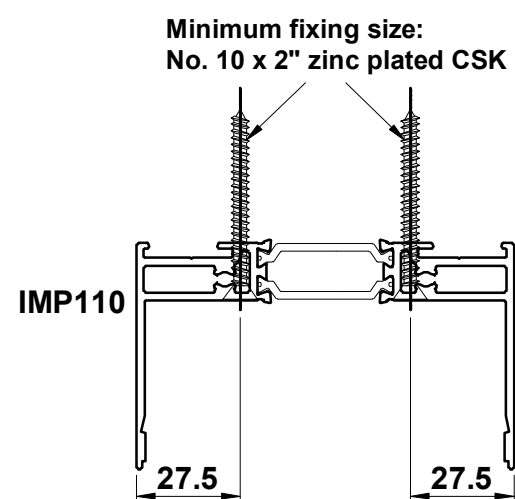
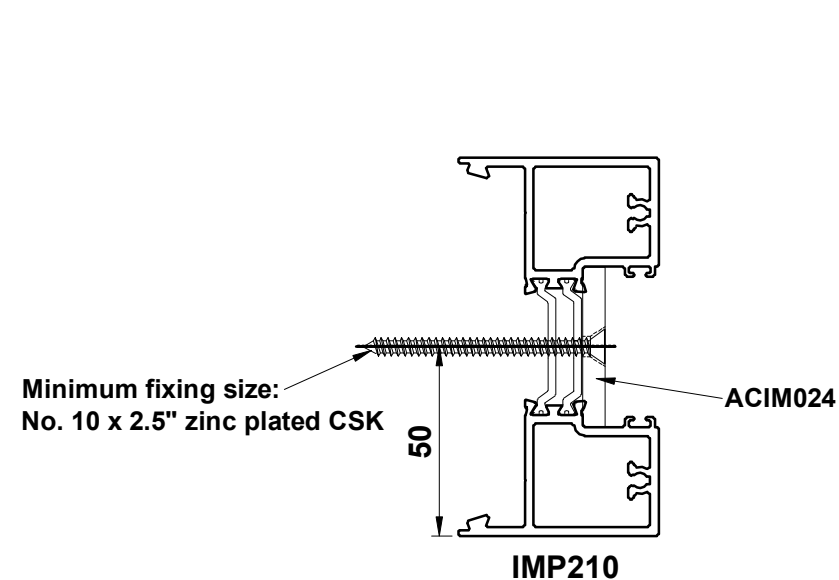
LPS1175 Level 2 & ENV1627 Level 3 Closer Preparation



Part No	Description
ACIM423A	Door Closer Not Hold Open 750/950
ACIM423B	Door Closer Hold Open 750/950
ACIM424A	Door Closer Not Hold Open 950/1150
ACIM424B	Door Closer Hold Open 950/1150
ACIM425A	Door Closer Not Hold Open <750
ACIM425B	Door Closer Hold Open <750

Do Not Scale From This Drawing

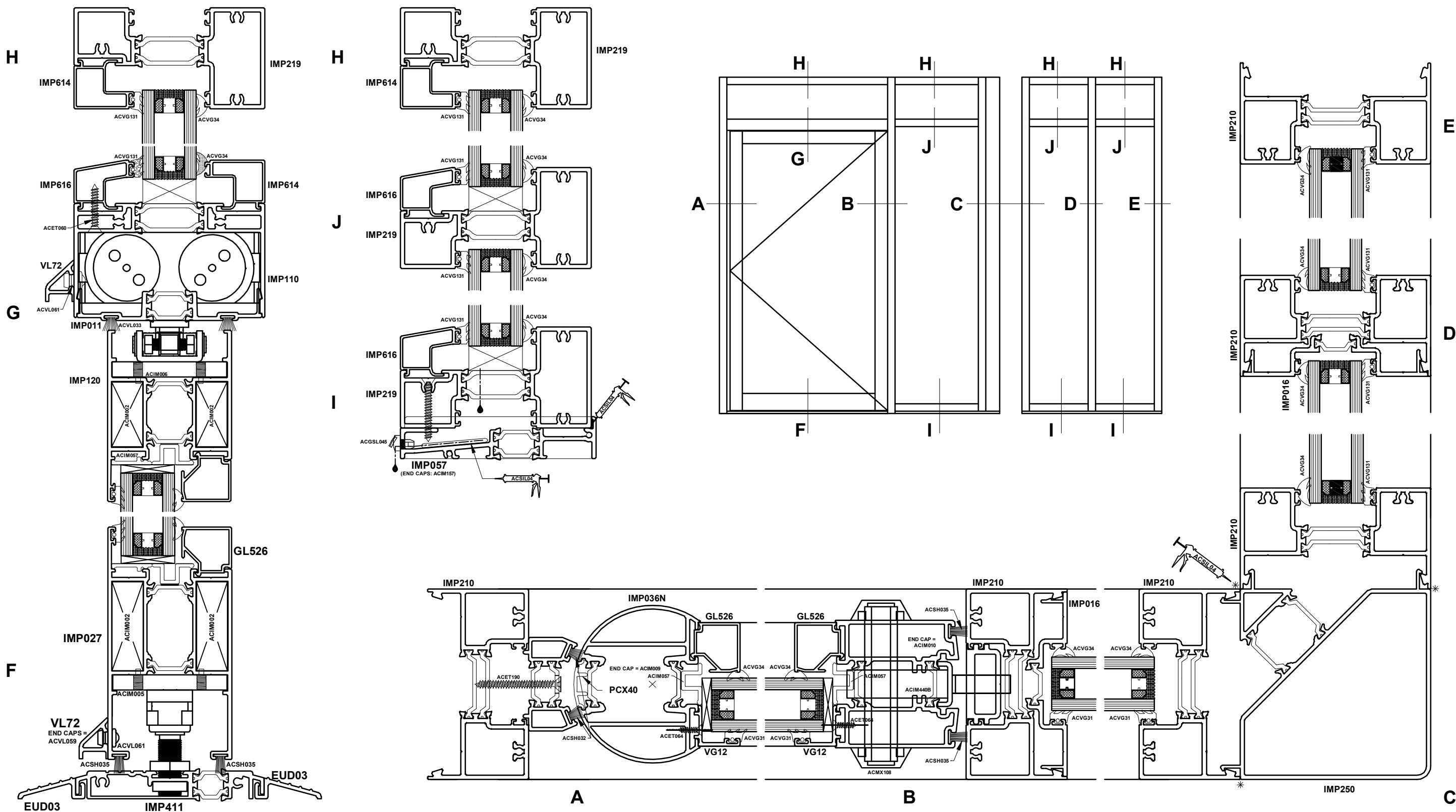
LPS1175 Level 2 & ENV1627 Level 3 Installation



Installation Requirements:

1. Ensure outerframe is installed True and Plumb
2. Take time to check that diagonal measurements match
3. The frame should be direct fixed with fixing centres a minimum of 150mm in from each end and a maximum of 600mm centres
4. Fixings through IMP110 should be staggered
5. Site survey may require that reduced fixing centres may be necessary to suit location and/or surrounding structure
6. Only the jambs should be fixed through the thermal break using ACIM024 to strengthen

Example Layout



Do Not Scale From This Drawing



Section F

Sawing Tables	
Single Manually Operated Swing Door.....	Page E02
Double Manually Operated Swing Door.....	Page E03
Single Automatic Swing Door.....	Page E04
Double Automatic Swing Door.....	Page E05
Single Automatic Slide Door.....	Page E06
Bi-Parting Automatic Slide Door.....	Page E07
Single Rebated Hinged Door.....	Page E08
Double Rebated Hinged Door.....	Page E09
Single Rebated Anti-Finger Trap Door.....	Page E10
Double Rebated Anti-Finger Trap Door.....	Page E11



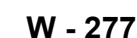
With IMP032/IMP034

Glass Size

IMP034 Accessories

IMP032 Accessories

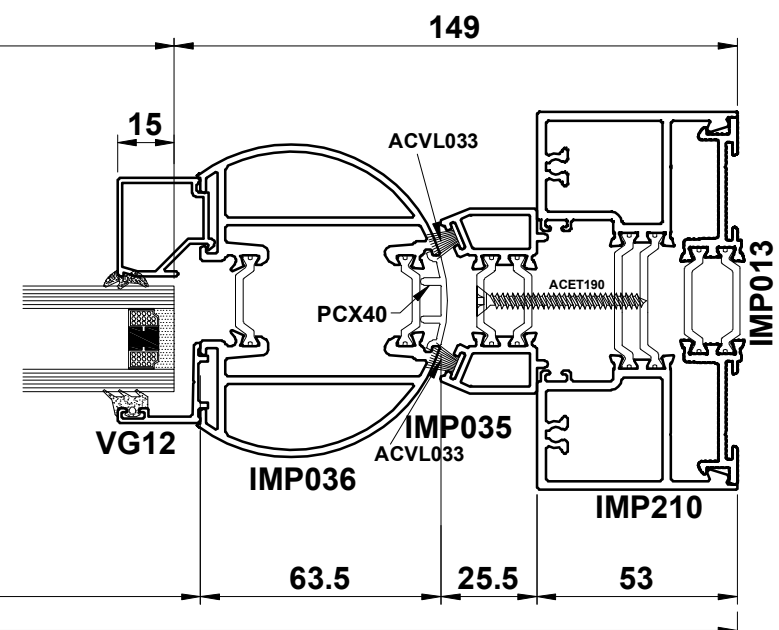
IMP300 can be used above
and below the lock and keep
128



W - 263
W

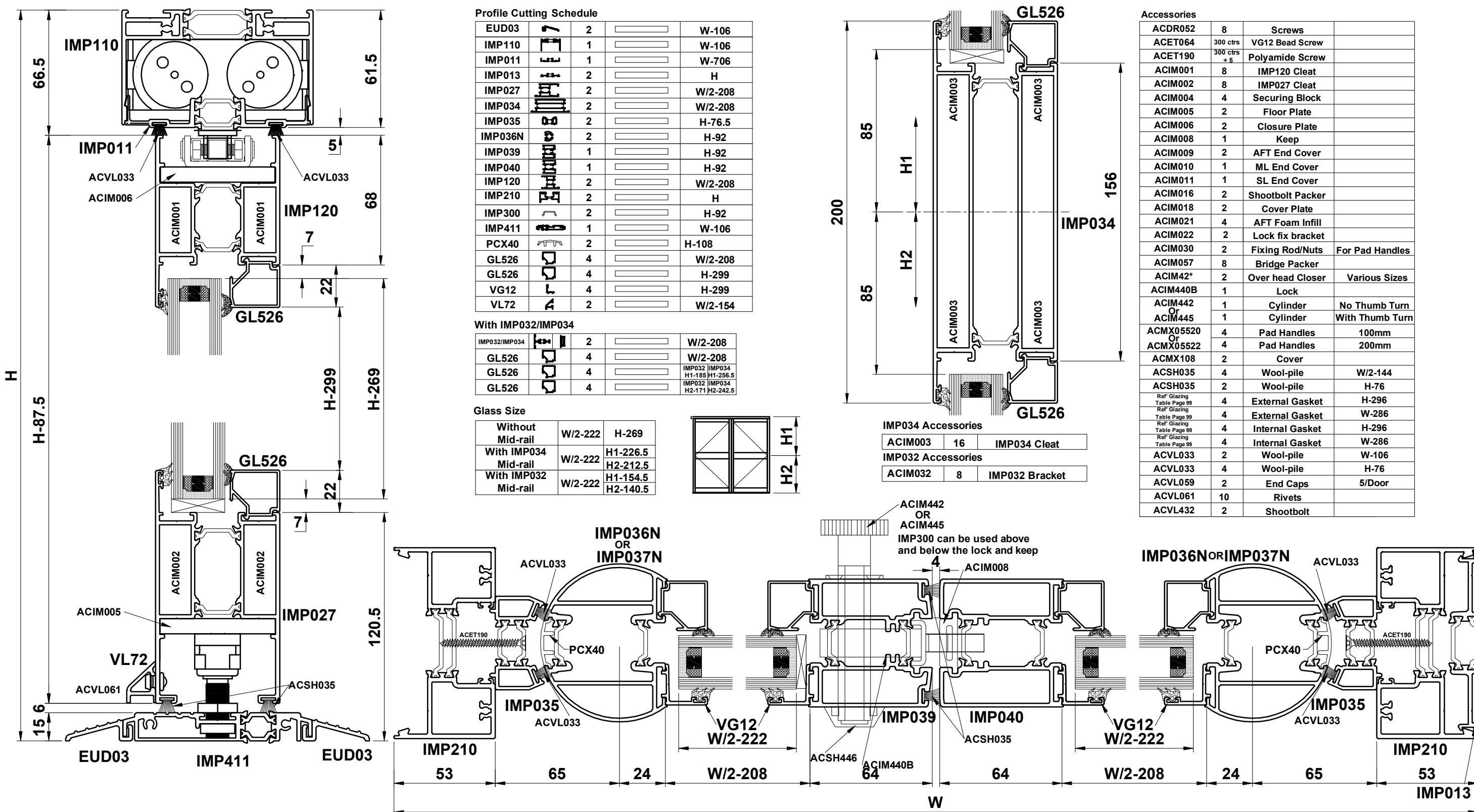
Accessories

A diagram of a vertical frame structure. It consists of two vertical panels, labeled H1 and H2, separated by a central vertical line. Each panel is divided into three horizontal sections by two horizontal lines. Diagonal bracing is shown in each panel, with a line running from the top-left corner to the bottom-right corner, and another line running from the top-right corner to the bottom-left corner. The bracing lines intersect at the center of the frame.

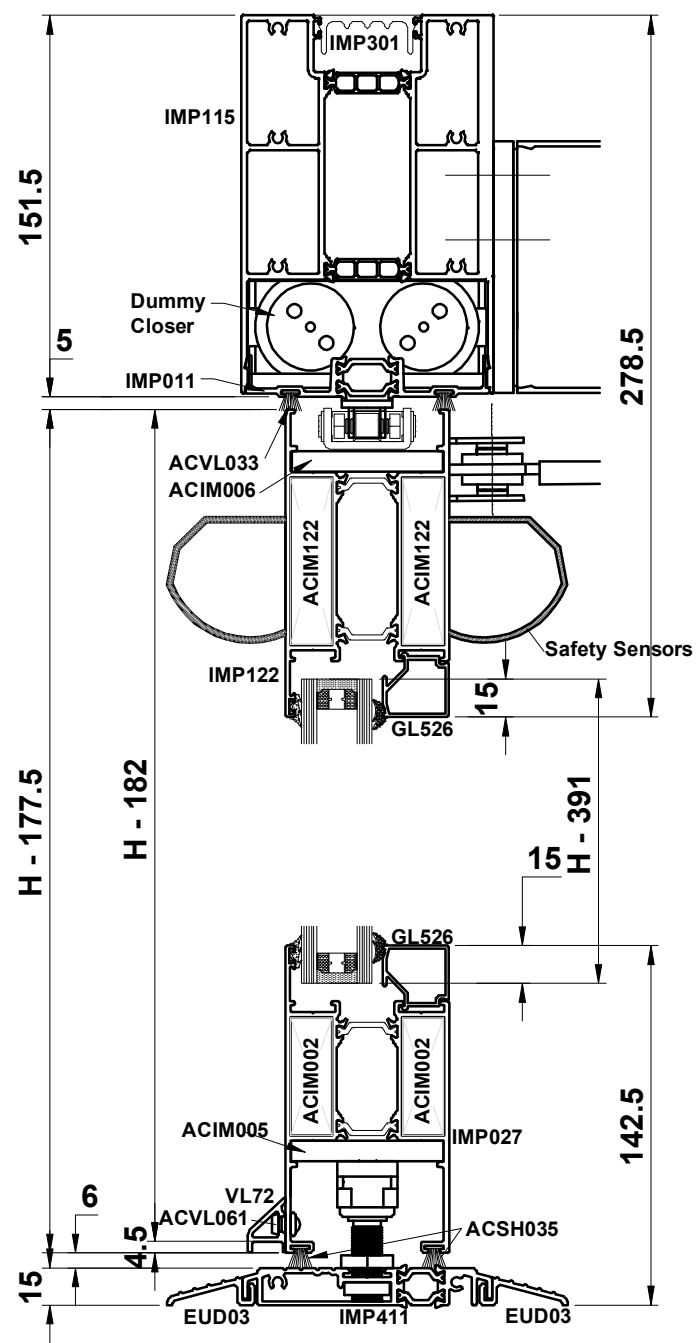


Do Not Scale From This Drawing

Double Manual Swing Door



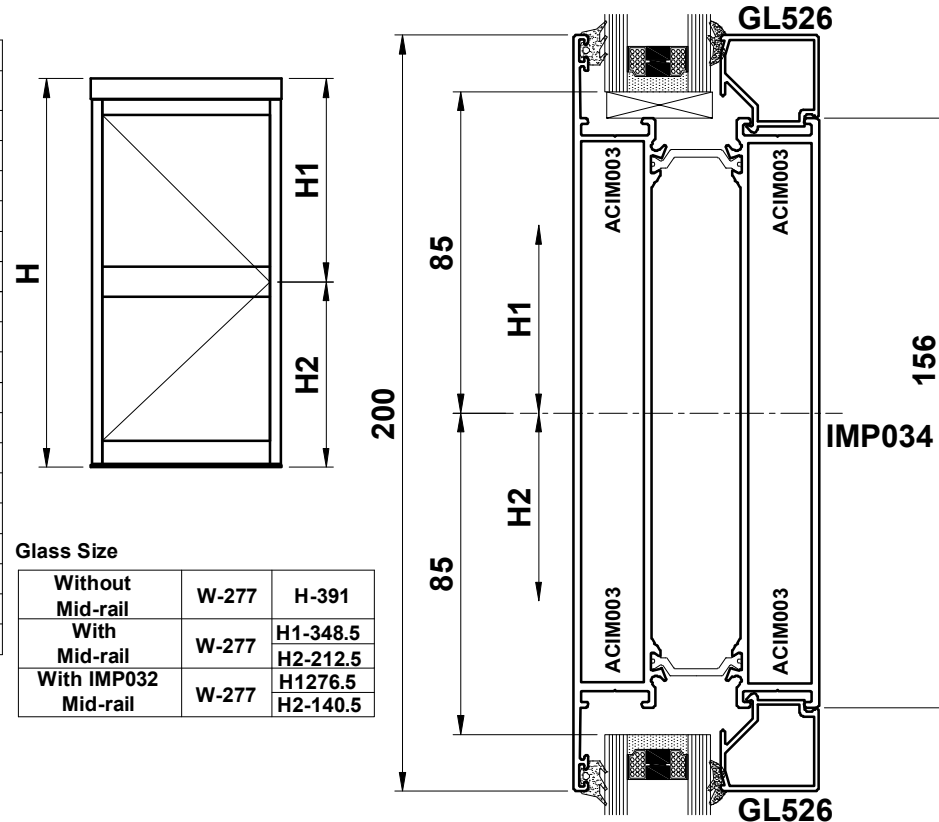
Single Auto Swing Door



PROFILE CUTTING SCHEDULE

EUD03		2		W-106
IMP115		1		W-106
IMP011		1		W-406
IMP013		2		H
IMP027		1		W-263
IMP034		1		W-263
IMP035		1		H-166.5
IMP036N		1		H-182
IMP039		1		H-182
IMP122		1		W-263
IMP210		2		H
IMP300		1		H-166.5
IMP301		1		W-106
IMP301		1		H-166.5
IMP411		1		W-106
GL526		2		W-263
GL526		2		H-421
PCX40		1		H-198
VG12		2		H-421
VL72		1		W-201

**The auto mechanism shown is based on:
Dorma unit ED200 Single.
Please contact:
DORMA UK Limited
Tel: 01462 477600
Fax: 01462 477601
Email: sales@dorma-uk.co.uk**



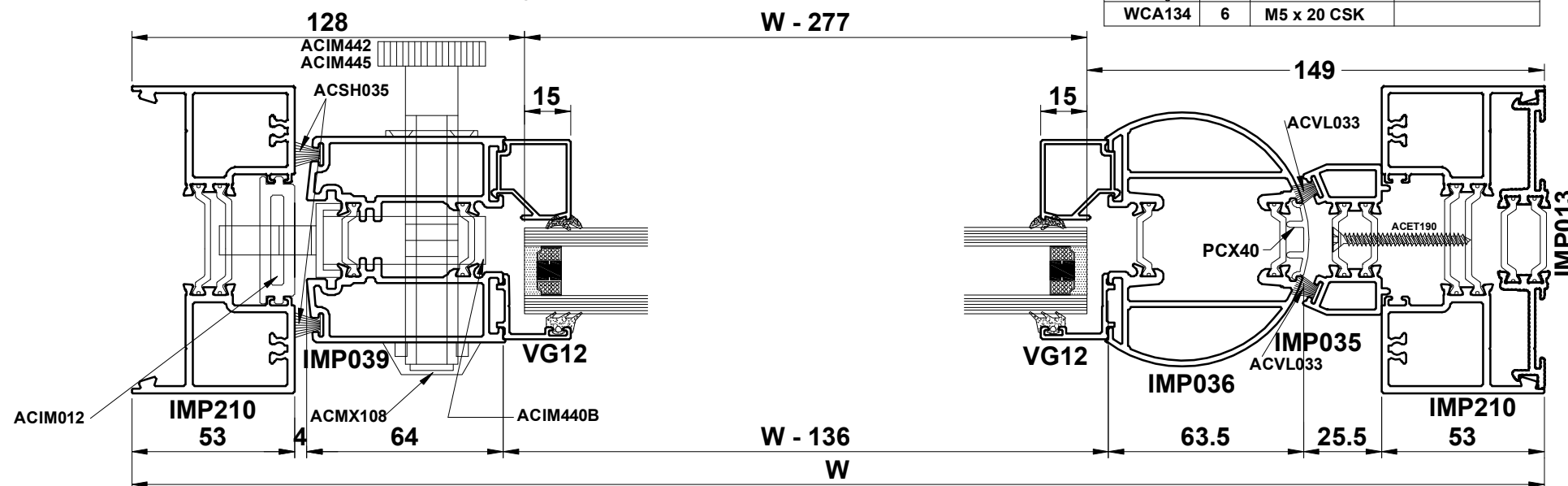
IMP034 Accessories

ACIM003	8	IMP034 Cleat
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IMP032 Accessories

ACIM032	4	IMP032 Bracket
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IMP300 can be used above and below the lock and keep



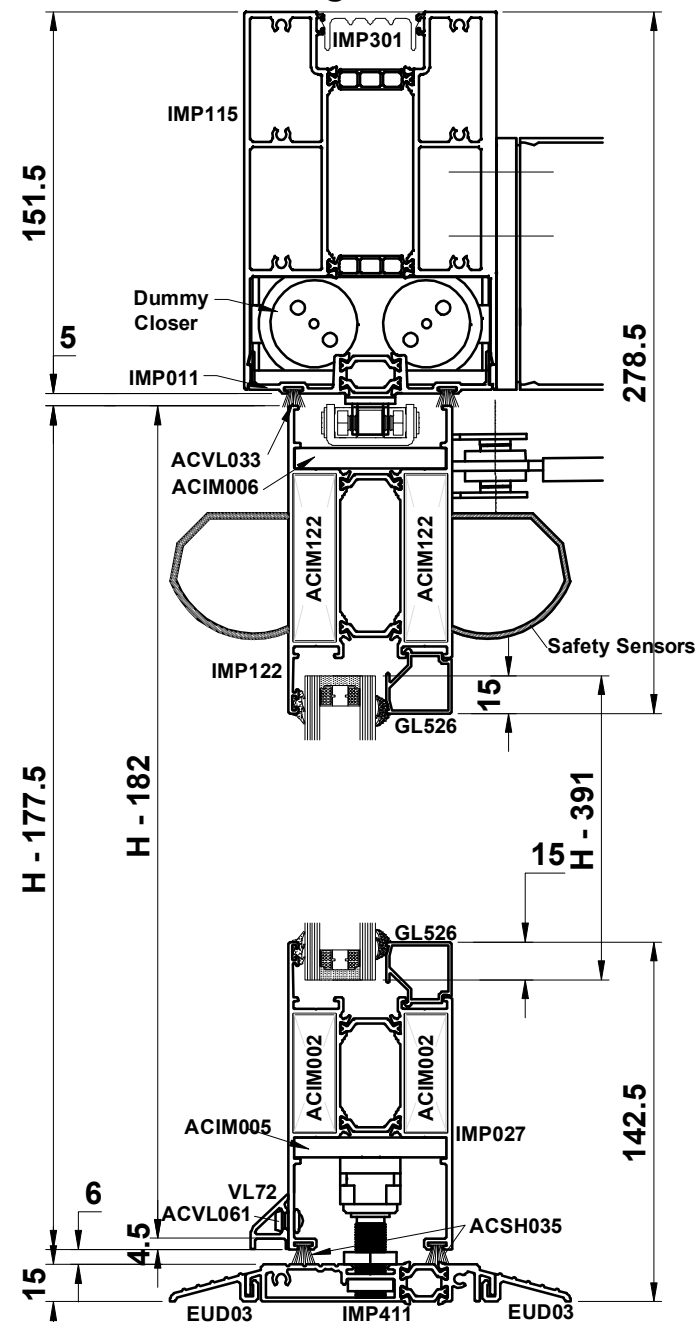
Do Not Scale From This Drawing

Accessories

ACDR052	16	Screws	
ACET064	300 ctrs	VG12 Bead Screw	
ACET190	300 ctrs + 5	Polyamide Screw	
ACIM002	4	IMP027 Cleat	
ACIM004	2	Securing Block	
ACIM005	1	Floor Plate	
ACIM006	1	Closure Plate	
ACIM009	1	End Cover	
ACIM010	1	End Cover	
ACIM012	1	Keep	
ACIM018	1	Cover Plate	
ACIM021	2	AFT Foam Infill	
ACIM022	2	Lock Fix Bracket	
ACIM030	1	Fixing Rod/Nuts	For Pad Handle
ACIM057	4	Bridge Packer	
ACIM122	4	IMP122 Cleat	
ACIM426	1	Springless Closer	
ACIM440B	1	Lock	
ACIM442	1	Cylinder	No Thumb Turn
ACIM445	1	Cylinder	With Thumb Turn
ACMX05520	2	Pad Handles	100mm
ACMX05522	2	Pad Handles	200mm
ACMX108	2	Cover	
ACSH035	2	Wool-pile	W-242
ACSH035	2	Wool-pile	H-166
ACVL033	2	Wool-pile	W-106
ACVL033	2	Wool-pile	H-166
ACVL059	1 pr	End Cap	
ACVL061	5	Rivets	
Ref' Glazing Table Page 99	2	External Gasket	H-421
Ref' Glazing Table Page 99	2	External Gasket	W-307
Ref' Glazing Table Page 99	2	Internal Gasket	H-421
Ref' Glazing Table Page 99	2	Internal Gasket	W-307
WCA134	6	M5 x 20 CSK	

Double Auto Swing Door

The auto mechanism shown is based on:
Dorma unit ED200 Single.
Please contact:
DORMA UK Limited
Tel: 01462 477600
Fax: 01462 477601
Email: sales@dorma-uk.co.uk

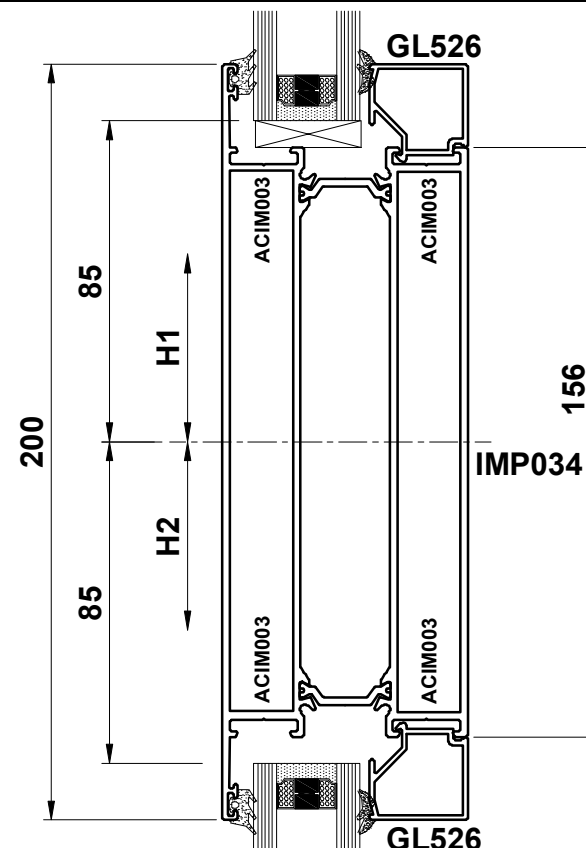
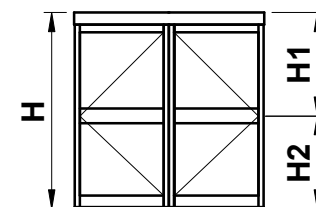


Profile Cutting Schedule

EUD03	7	2		W-106
IMP011	1	1		W-706
IMP013	1	2		H
IMP027	2	2		W/2-208
IMP034	2	2		W/2-208
IMP035	2	2		H-166.5
IMP036N	2	2		H-182
IMP039	1	1		H-182
IMP040	1	1		H-182
IMP115	1	1		W-106
IMP122	2	2		W/2-208
IMP210	2	2		H
IMP300	2	2		H-92
IMP301	1	1		W-106
IMP411	1	1		W-106
GL526	4	4		W/2-208
GL526	4	4		H-421
PCX40	2	2		H-198
VG12	4	4		H-421
VL72	2	2		W/2-154

Glass Size

Without Mid-rail	W/2-222	H-391
With IMP034 Mid-rail	W/2-222	H1-348.5 H2-212.5
With IMP032 Mid-rail	W/2-222	H1276.5 H2-140.5



IMP034 Accessories

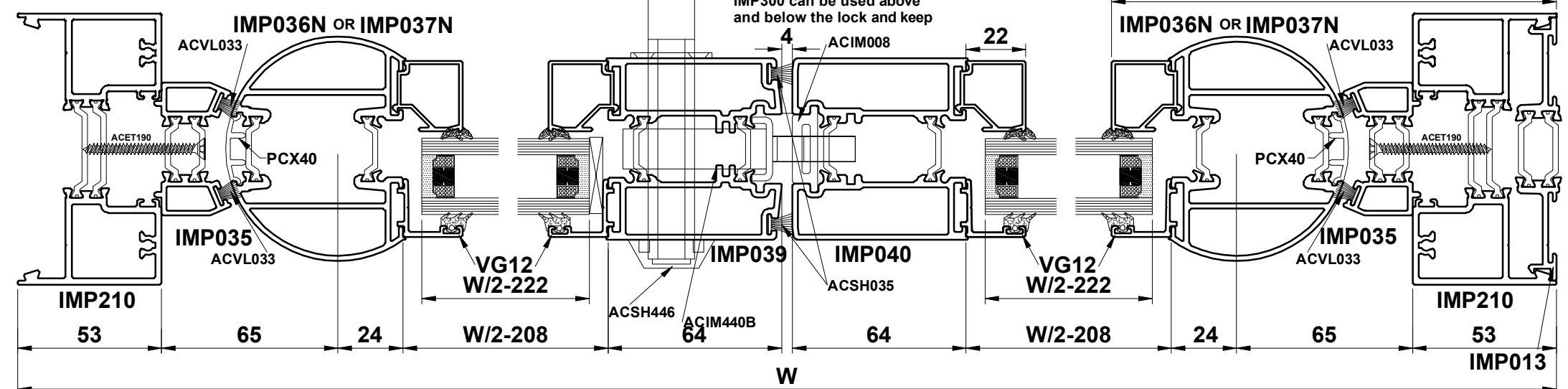
ACIM003	16	IMP034 Cleat
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IMP032 Accessories

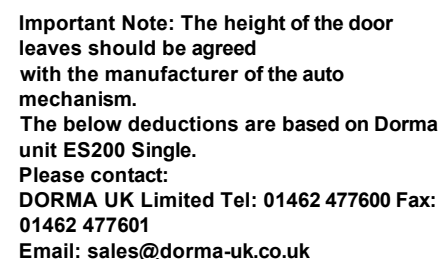
ACIM032	8	IMP032 Bracket
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Accessories

ACDR052	16	Screws	
ACET064	300 ctrs	VG12 Bead Screw	
ACET190	300 ctrs	Polyamide Screw	
ACIM002	8	IMP027 Cleat	
ACIM004	4	Securing Block	
ACIM005	2	Floor Plate	
ACIM006	2	Closure Plate	
ACIM008	1	Keep	
ACIM009	2	AFT End Cover	
ACIM010	1	ML End Cover	
ACIM011	1	SL End Cover	
ACIM016	2	Shootbolt Packer	
ACIM018	2	Cover Plate	
ACIM021	4	AFT Foam Infill	
ACIM022	2	Lock Fixing Brkt	
ACIM030	2	Fixing Rod/Nuts	For Pad Handles
ACIM057	8	Bridge Packer	
ACIM122	8	IMP122 Cleat	
ACIM426	2	Springless Closer	
ACIM440B	1	Lock	No Thumb Turn
ACIM442	1	Cylinder	With Thumb Turn
ACIM445	1	Cylinder	
ACIMX05520	4	Pad Handles	100mm
ACIMX05522	4	Pad Handles	200mm
ACIMX108	2	Cover	
ACSH035	4	Wool-pile	W/2-144
ACSH035	6	Wool-pile	H-166
ACVL033	2	Wool-pile	W/2-106
ACVL033	4	Wool-pile	H-166
ACVL033	4	External Gasket	H-421
ACVL033	4	External Gasket	W/2-252
ACVL033	4	Internal Gasket	H-421
ACVL033	4	Internal Gasket	W/2-252
ACVL059	2	End Caps	
ACVL061	10	Rivets	
ACVL432	2	Shootbolt	
WCA134	12	M5 x 20 CSK	



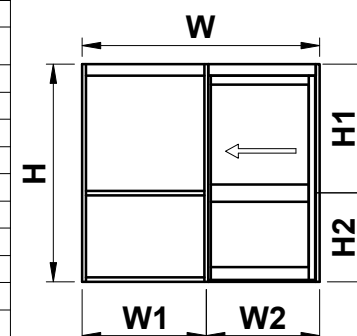
Do Not Scale From This Drawing



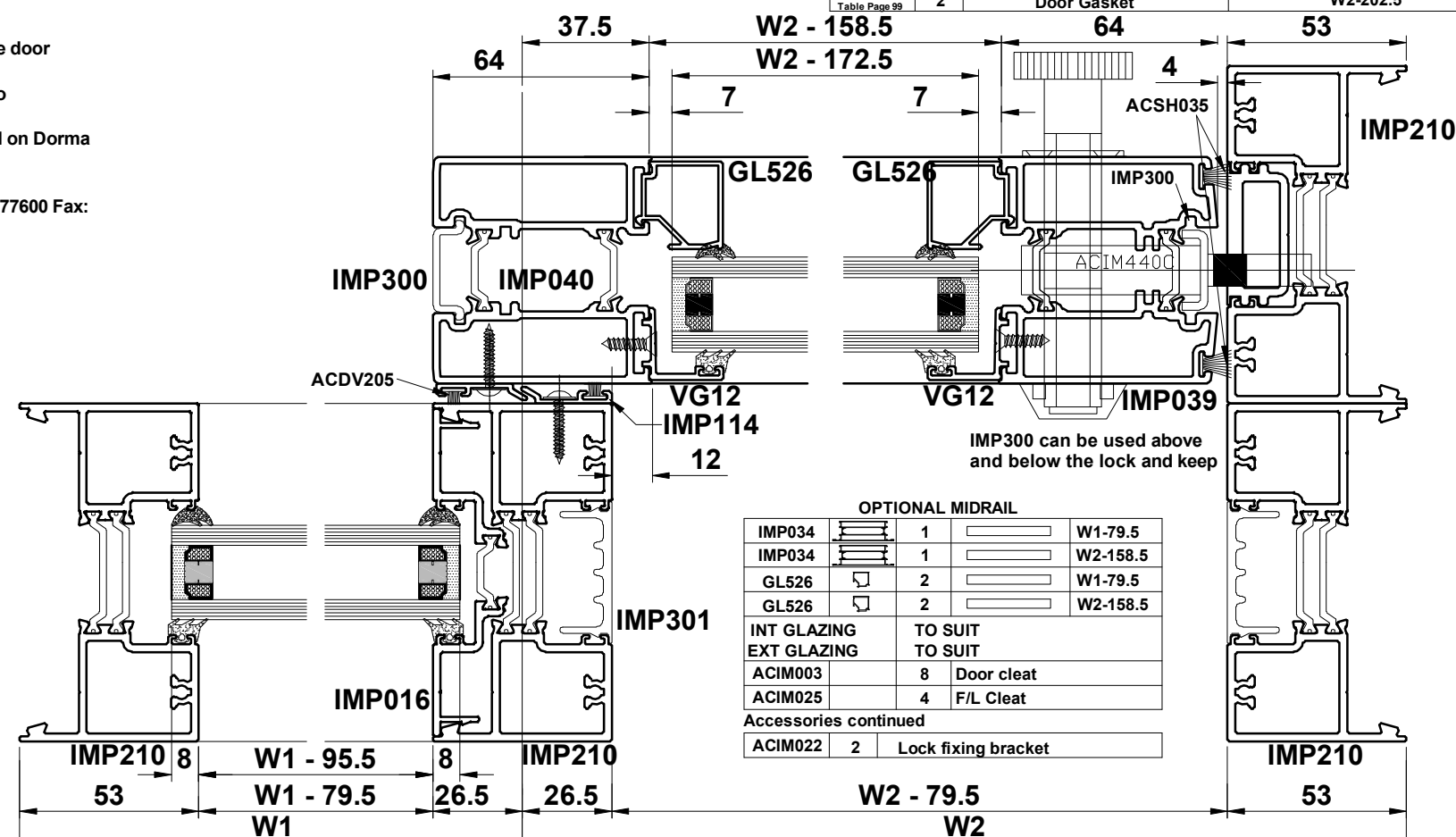
Profile Cutting Schedule				
EUD03	6	1		W2-79.5
EUD03	7	1		W-53
IMP013 (Optional)	4	3		H
IMP015	5	2		W1-79.5 W2-79.5
IMP016	3	1		H
IMP027	6	1		W2-158.5
IMP039	4	1		H-165.5
IMP040	4	1		H-165.5
IMP114	3	2		H-161
IMP114	1	1		W2-53
IMP115	1	2		W1-79.5 W2-79.5
IMP121	5	1		W2-158.5
IMP210	5	4		H
IMP219	5	1		W1-79.5
IMP300	1	1		H-161
IMP301	1	3		H-166
IMP301	1	1		W-79.5
IMP411	1	1		W2-79.5
IMP411	1	1		W-53
IMP614	1	1		W1-79.5
GL526	2	2		W2-158.5
GL526	2	2		H-373
VG12	2	2		H-373

Door Glass Size		
Without Mid-rail	W2-172.5	H-343
With Mid-rail	W2-172.5	H1-300
		H2-213

Screen Glass Size		
Without Mid-rail	W1-63.5	H-185
With IMP030		H1-156.5
		H2-59.5



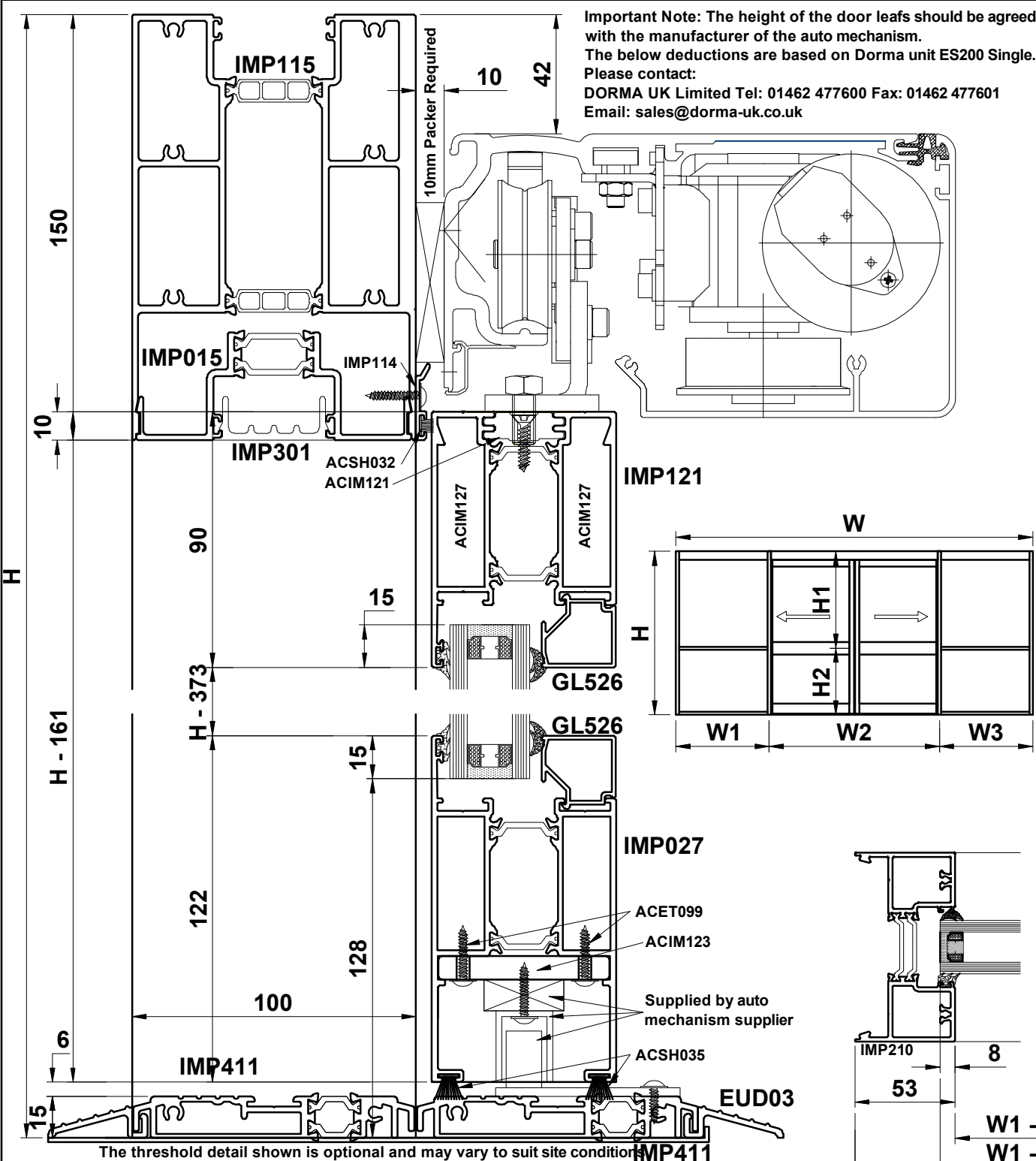
Accessories			
ACDR052	26	Screws for Screen	
ACDV205	2	Woolpile	H-159.5
ACET064	*	Screws for VG12	*To be fitted at 600mm centres & 150mm in from each end
ACET099	*	Screws for IMP114 & ACIM123	*To be fitted at 600mm centres & 150mm in from each end
ACET290	6	Polyamide Screw	
ACIM002	4	IMP027 Cleat	
ACIM010	1	IMP039 End Cap	
ACIM011	1	IMP040 End Cap	
ACIM057	4	Bridge Packer	
ACIM112	1	Keep	
ACIM121	3	Bracket for Auto Mechanism	
ACIM123	6*	Bracket for Bottom Guide	*To be fitted at 600mm centres
ACIM127	4	IMP121 Cleat	
ACIM440C	1	Hook Lock	
ACIM442 Or ACIM445	1 1	Cylinder Cylinder	No Thumb Turn With Thumb Turn
ACMX108	2	Cover	
ACSH032	1	Woolpile	W2-53
ACSH035	2	Wool-pile	W2-30.5
ACSH035	2	Wool-pile	H-165.5
ACSH037	2	Wool-pile	W-106
Ref' Glazing Table Page 99	2	Screen Gasket	H-203
Ref' Glazing Table Page 99	2	Screen Gasket	W1-79.5
Ref' Glazing Table Page 99	2	Door Gasket	H-373
Ref' Glazing Table Page 99	2	Door Gasket	W2-202.5



OPTIONAL MIDRAIL				
IMP034		1		W1-79.5
IMP034		1		W2-158.5
GL526		2		W1-79.5
GL526		2		W2-158.5
INT GLAZING		TO SUIT		
EXT GLAZING		TO SUIT		
ACIM003		8	Door cleat	
ACIM025		4	F/L Cleat	
Accessories continued				
ACIM022	2	Lock fixing bracket		

Do Not Scale From This Drawing

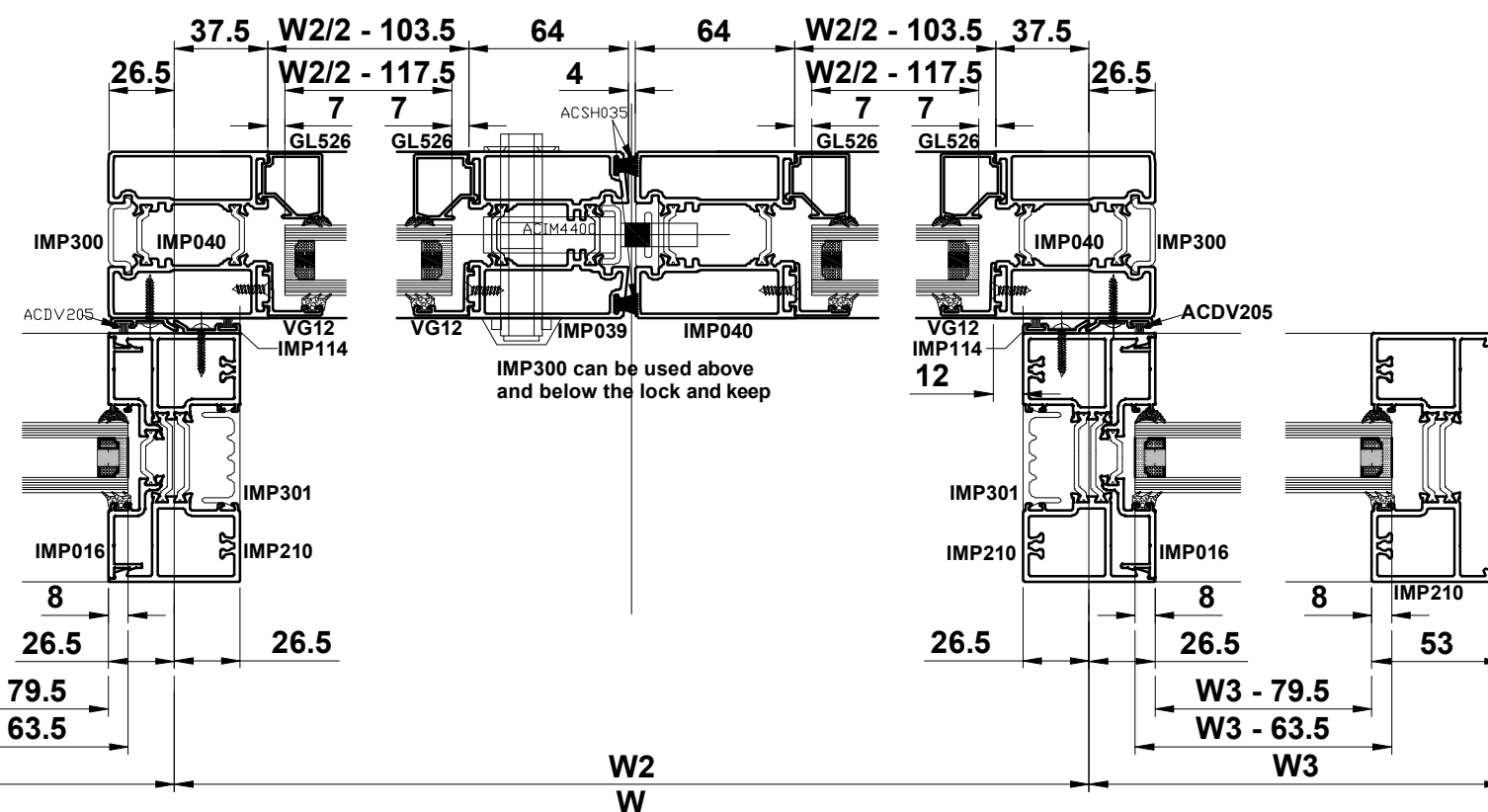
Bi-Parting Auto Door



Profile Cutting Schedule				
EUD03		1		W2-53
EUD03		1		W
IMP013 (Optional)		2		H
IMP015		2		W1-79.5 W3-79.5
IMP016		2		H
IMP027		2		W2/2-103.5
IMP034		2		W2/2-103.5
IMP039		1		H-165.5
IMP040		3		H-165.5
IMP114		4		H-161
IMP114		1		W2
IMP115		2		W1-79.5 W3-79.5
IMP115		1		W2-53
IMP121		2		W2/2-103.5
IMP210		4		H
IMP219		1		W1-79.5 W3-79.5
IMP300		2		H-161
IMP301		2		H-166
IMP301		1		W2-53
IMP411		1		W2-53
IMP411		1		W
IMP614		1		W1-79.5
		1		W3-79.5
GL526		4		W2/2-103.5
GL526		4		H-373
VG12		4		H-373

Door Glass Size		
Without Mid-rail	W2/2-117.5	H-343
With Mid-rail	W2/2-117.5	H1-300 H2-213
W1 Screen Glass Size		
Without Mid-rail	W1-63.5	H-185
With IMP030		H1-160.5 H2-79.5
W3 Screen Glass Size		
Without Mid-rail	W3-63.5	H-185
With IMP030		H1-160.5 H2-79.5

Accessories			
ACDR052	32	Screws for Screen	
ACDV205	4	Woolpile	H-159.5
ACDV205	1	Woolpile	W2
ACET064	*	Screws for VG12	
ACET099	*	Screws for IMP114 & ACIM123	*To be fitted at 600mm centres & 150mm in from each end
ACET290	12	Polyamide Screw	
ACIM002	16	IMP027 Cleat	
ACIM008	1	Keep	
ACIM010	1	IMP039 End Cap	
ACIM011	3	IMP040 End Cap	
ACIM022	2	Lock fixing bracket	
ACIM057	8	Bridge Packer	
ACIM121	6	Bracket for Auto Mechanism	
ACIM123	6*	Bracket for Bottom Guide	*To be fitted at 600mm centres
ACIM127	8	IMP121 Cleat	
ACIM440C	1	Hook Lock	
ACIM442	1	Cylinder	No Thumb Turn
ACIM445	1	Cylinder	With Thumb Turn
ACMX108	2	Cover	
ACSH035	4	Wool-pile	W2/2+26.5
ACSH035	2	Wool-pile	H-166
Ref Glazing Table Page 99	4	External Gasket	H-296
Ref Glazing Table Page 99	4	External Gasket	W1-63.5 & W3-63.5
Ref Glazing Table Page 99	4	Internal Gasket	H-296
Ref Glazing Table Page 99	4	Internal Gasket	W2/2-104



Do Not Scale From This Drawing



IMP111		1		W-78
IMP111		2		H
IMP412		1		W-78
IMP027		2		W-214
IMP039		2		H-70
IMP300		2		H-61
EUD03		1		W-78
VG12		2		H-305
GL526		2		H-305
GL526		2		W-214
VL72		1		W-102

Glass Size

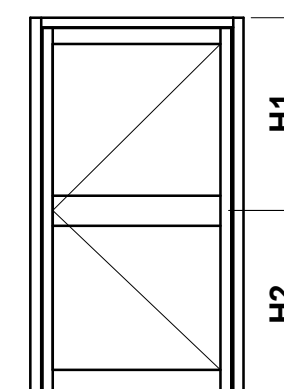
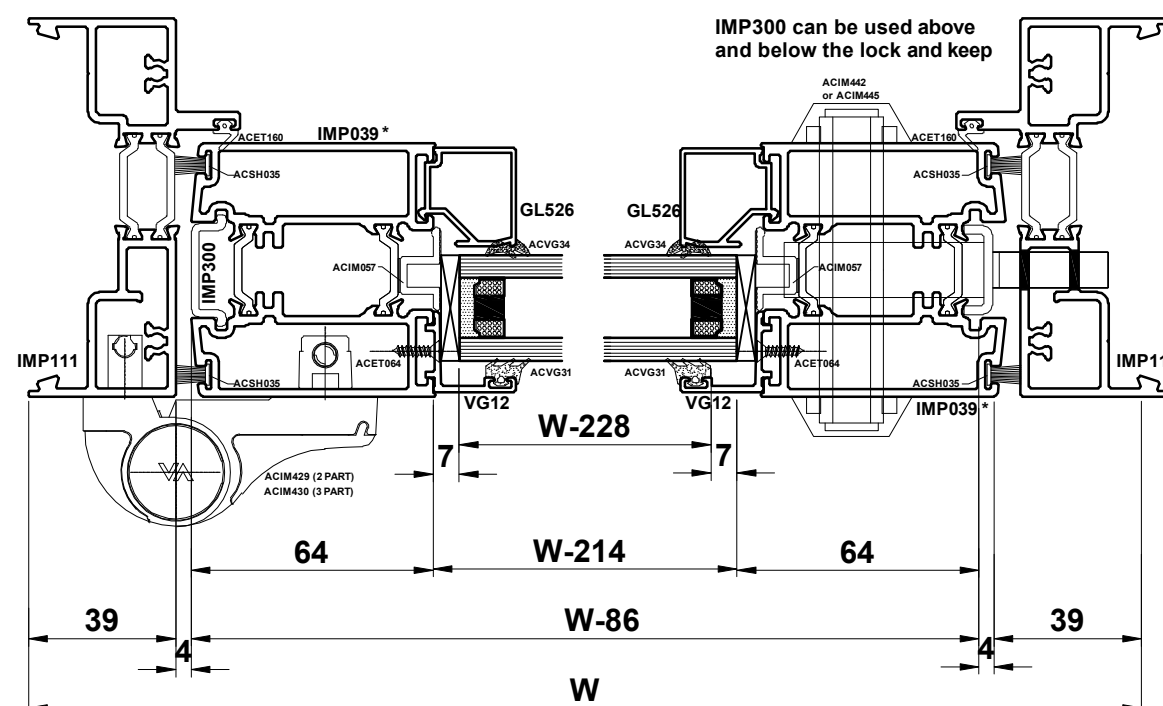
Without Mid-rail	W-228	H-274.5
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Accessories

ACIM002	8	IMP027 Cleat	
ACIM010	4	End Cover	
ACIM030	1	Fixing Rod/Nuts	For Pad Handles
ACIM057	4	Bridge Packer	
ACIM440B	1	Lock	
ACIM442 Or ACIM445	1	Cylinder	No Thumb Turn
	1	Cylinder	With Thumb Turn
ACMX05520 Or ACMX05522	2	Pad Handles	100mm
	2	Pad Handles	200mm
ACMX108	2	Cylinder Cover	
ACET160	2	Gasket	H-64
ACET160	2	Gasket	W-98
ACSH035	4	Wool-pile	H-70
ACSH035	4	Wool-pile	W-78
Ref' Glazing Table Page 99	2	External Gasket	W-200
Ref' Glazing Table Page 99	2	External Gasket	W-200
Ref' Glazing Table Page 99	2	Internal Gasket	H-290
Ref' Glazing Table Page 99	2	Internal Gasket	H-290
ACVL059	2	End Caps	
ACVL061	300 ctrs	Rivets	5/Door (W/300)
PUA028	4	Screws	
ACDR052	4	Screws	
ACIM429 Or	2	Two Part Hinge	
ACIM430	2	Three Part Hinge	
ACIM428	1	Face Mounted Closer	

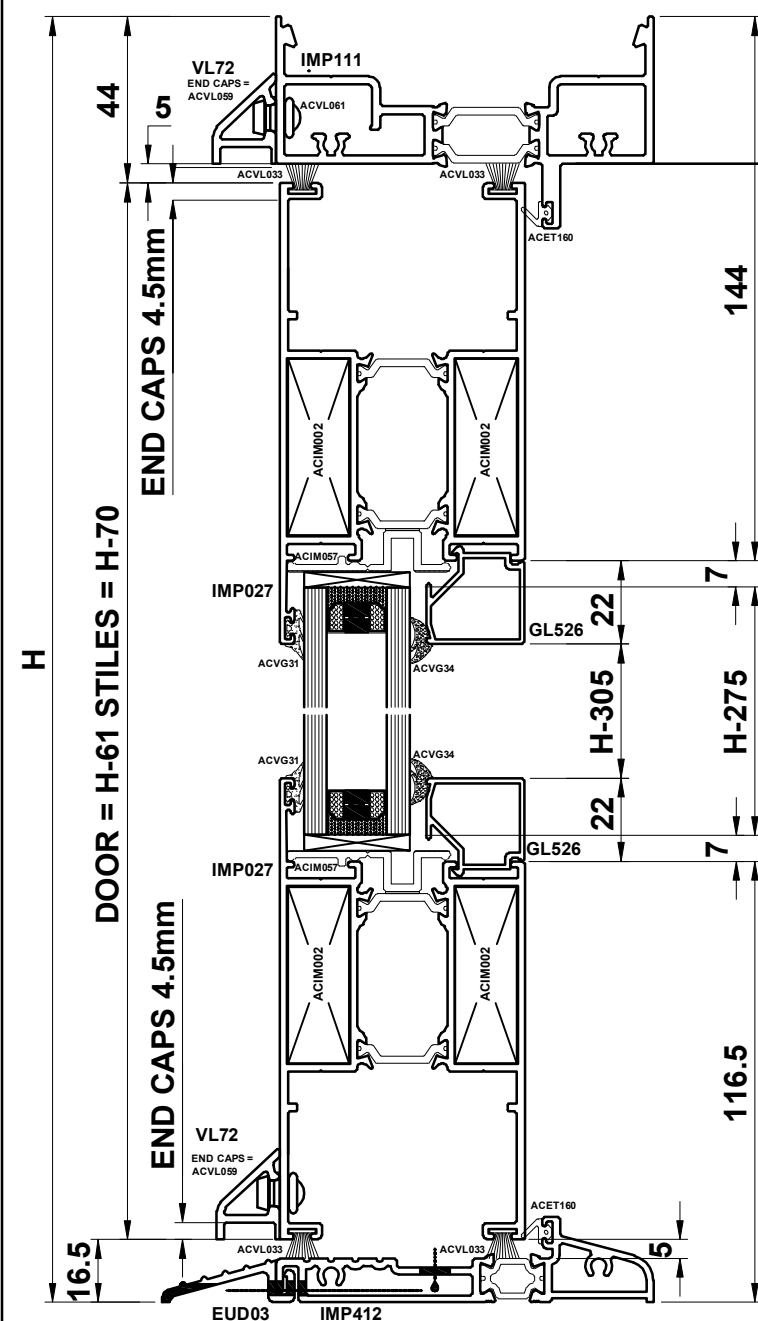
MIDRAIL

IMP034		1		W-214
GL526		2		W-214
GL526		2		H1-266
GL526		2		H2-239
Ref' Glazing Table Page 99	4	External Gasket		W-200
Ref' Glazing Table Page 99	4	Internal Gasket		W-200
ACIM003	8	Cleat		



Do Not Scale From This Drawing

Double Rebated Hinged Door



Profile Cutting Schedule

EUD03	1		W-78
IMP027	4		W/2-173.5
IMP039	3		H-70
IMP040	1		H-70
IMP111	1		W
IMP111	2		H
IMP412	1		W-78
IMP300	4		H-61
GL526	4		H-305
GL526	4		W/2-173.5
VG12	4		H-305
VL72	2		W/2-56

Glass Size

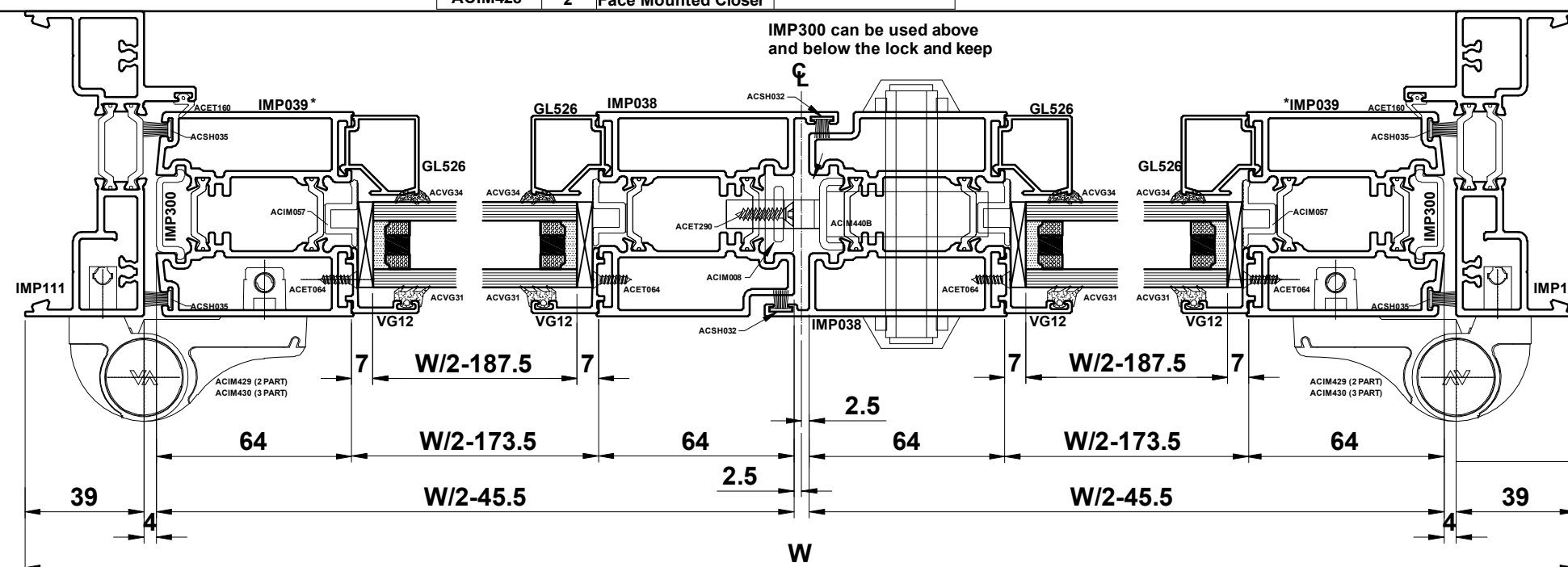
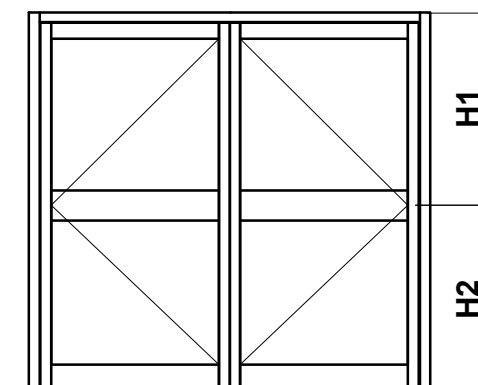
Without Mid-rail	W/2-187.5	H-274.5
With IMP034 Mid-rail	W/2-187.5	H1-236
		H2-209

Accessories

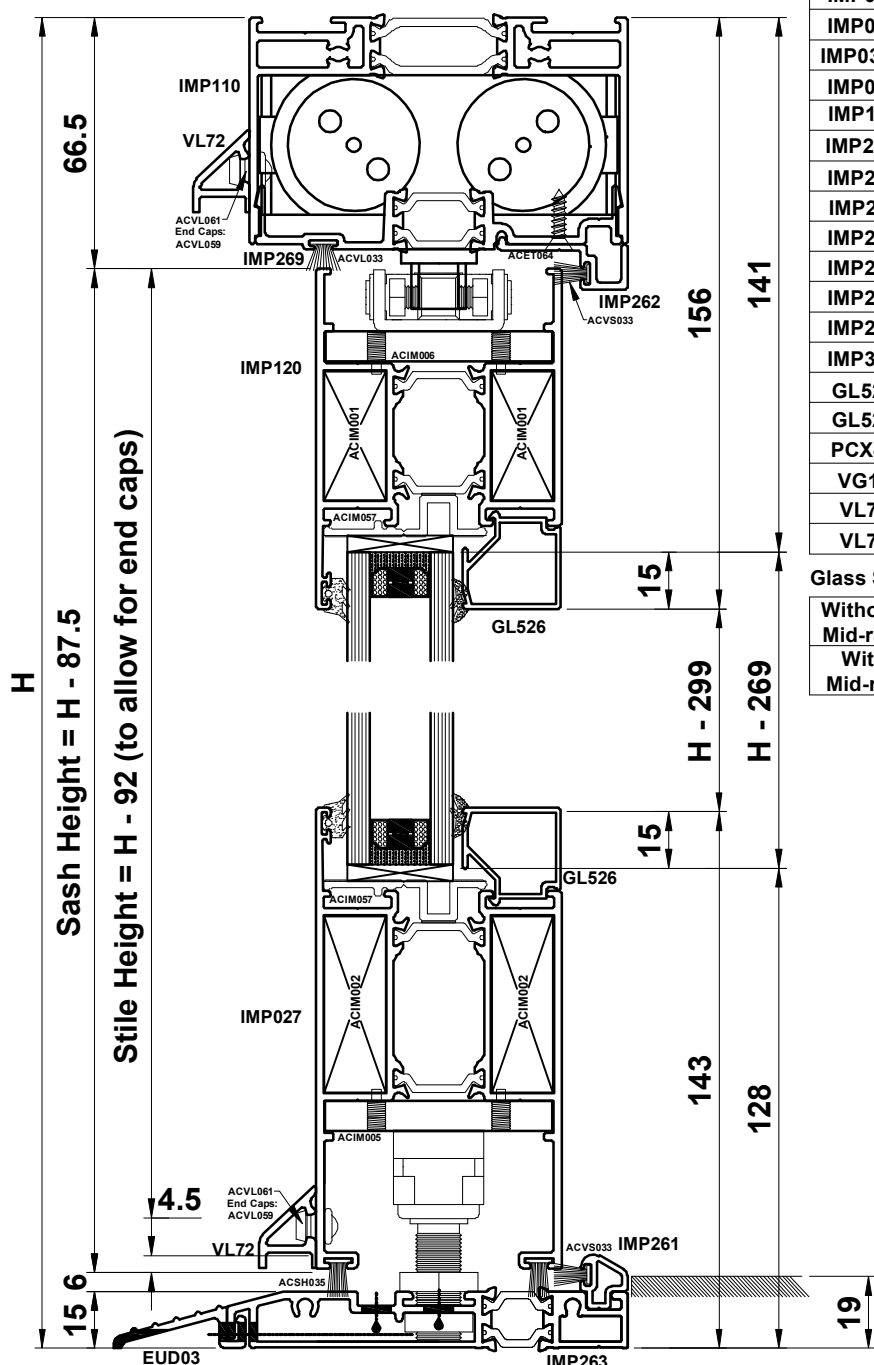
ACIM002	16	IMP027 Cleat	
ACIM008	1	Keep	
ACIM010	6	ML End Cover	
ACIM011	2	SL End Cover	
ACIM016	2	Shootbolt Packer	
ACIM030	2	Fixing Rod/Nuts	For Pad Handles
ACIM057	8	Bridge Packer	
ACIM440B	1	Lock	
ACIM442 Or ACIM445	1	Cylinder	No Thumb Turn
	1	Cylinder	With Thumb Turn
ACMX05520 Or ACMX05522	4	Pad Handles	100mm
	4	Pad Handles	200mm
ACMX108	2	Cylinder Cover	
ACET160	2	Gasket	H-64
ACET160	2	Gasket	W-98
ACSH035	6	Wool-pile	H-70
ACSH035	8	Wool-pile	W/2-45
Ref' Glazing Table Page 99	4	External Gasket	H-290
Ref' Glazing Table Page 99	4	External Gasket	W-200
Ref' Glazing Table Page 99	4	Internal Gasket	H-290
Ref' Glazing Table Page 99	4	Internal Gasket	W-200
ACVL059	2	End Caps	
ACVL061	10	Rivets	5/Door (W/300)
PUA028	4	Screws	
ACDR052	4	Screws	
ACVL432	2	Shootbolt	
ACIM429 Or ACIM430	4	Two Part Hinge	
	4	Three Part Hinge	
ACIM428	2	Face Mounted Closer	

MIDRAIL

IMP034		2		W/2-186
GL526		4		W/2-186
GL526		4		H1-266
GL526		4		H2-239
Ref Glazing Table Page 99	8	External Gasket		W-200
Ref Glazing Table Page 99	8	Internal Gasket		W-200
ACIM003	16	Cleat		



Do Not Scale From This Drawing

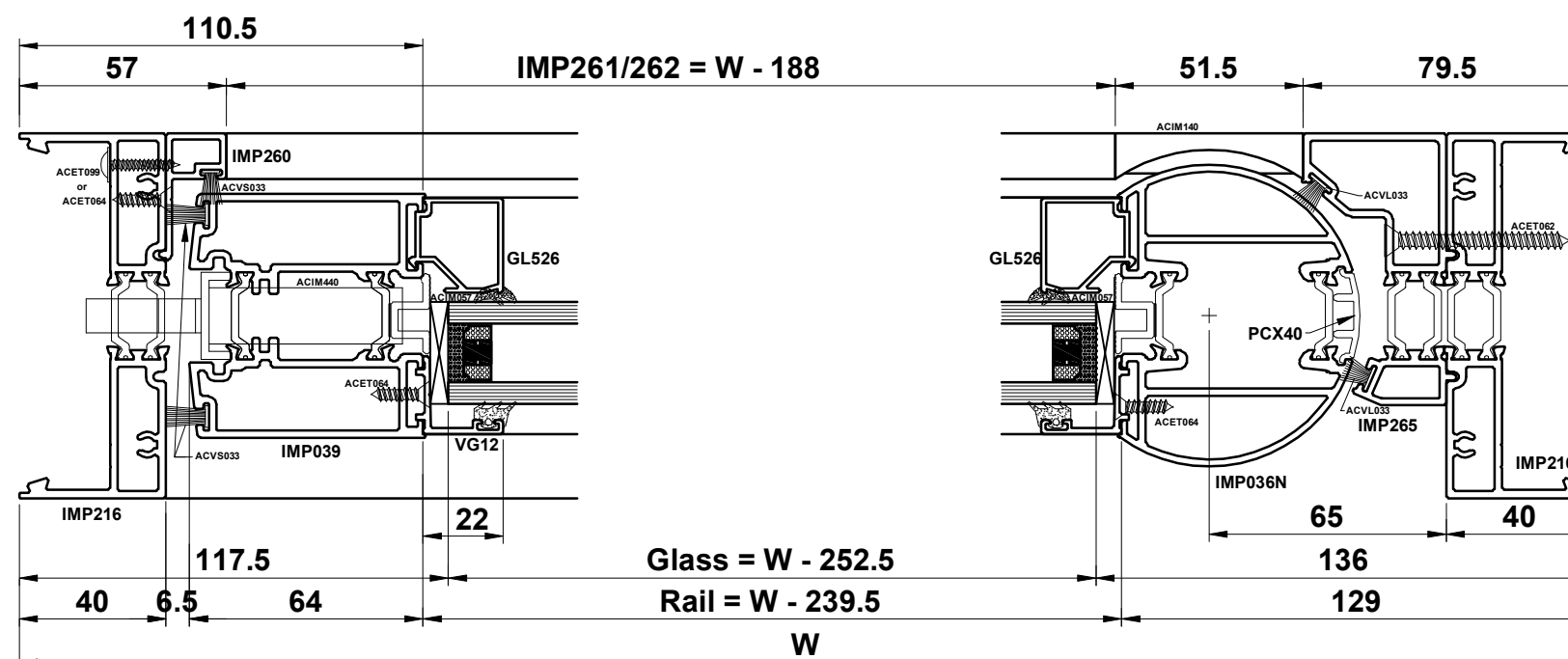
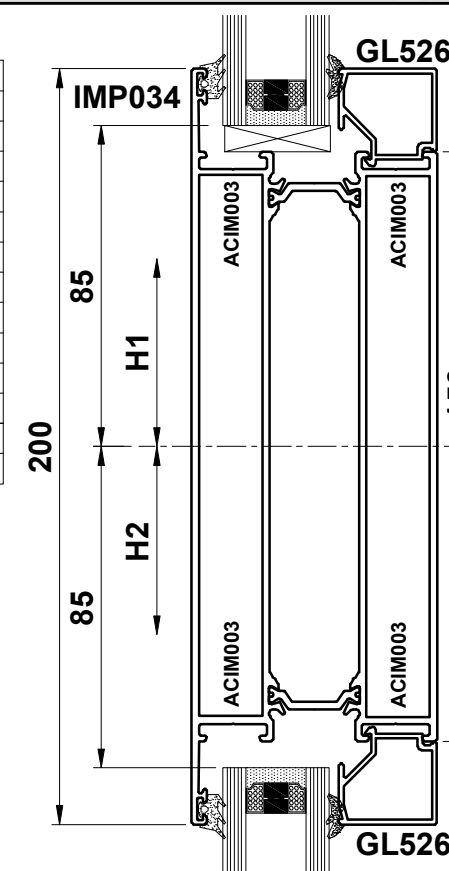
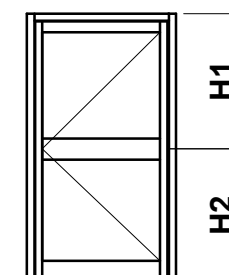


EUD03		1	☐	W-83
IMP110		1	☐	W-80
IMP013 (Optional)		2	☐	H
IMP027		1	☐	W-239.5
IMP034		1	☐	W-239.5
IMP036N		1	☐	H-92
IMP039		1	☐	H-92
IMP120		1	☐	W-239.5
IMP216		2	☐	H
IMP260		1	☐	H-77
IMP261		1	☐	W-188
IMP262		1	☐	W-188
IMP263		1	☐	W-83
IMP265		1	☐	H-77
IMP269		1	☐	W-380
IMP300		1	☐	H-92
GL526		2	☐	W-263
GL526		2	☐	H-299
PCX40		1	☐	H-108
VG12		2	☐	H-299
VL72		1	☐	W-118
VL72		1	☐	W-10

Glass Size		
Without Mid-rail	W-252.5	H-269
With Mid-rail	W-252.5	H1-226
		H2-213

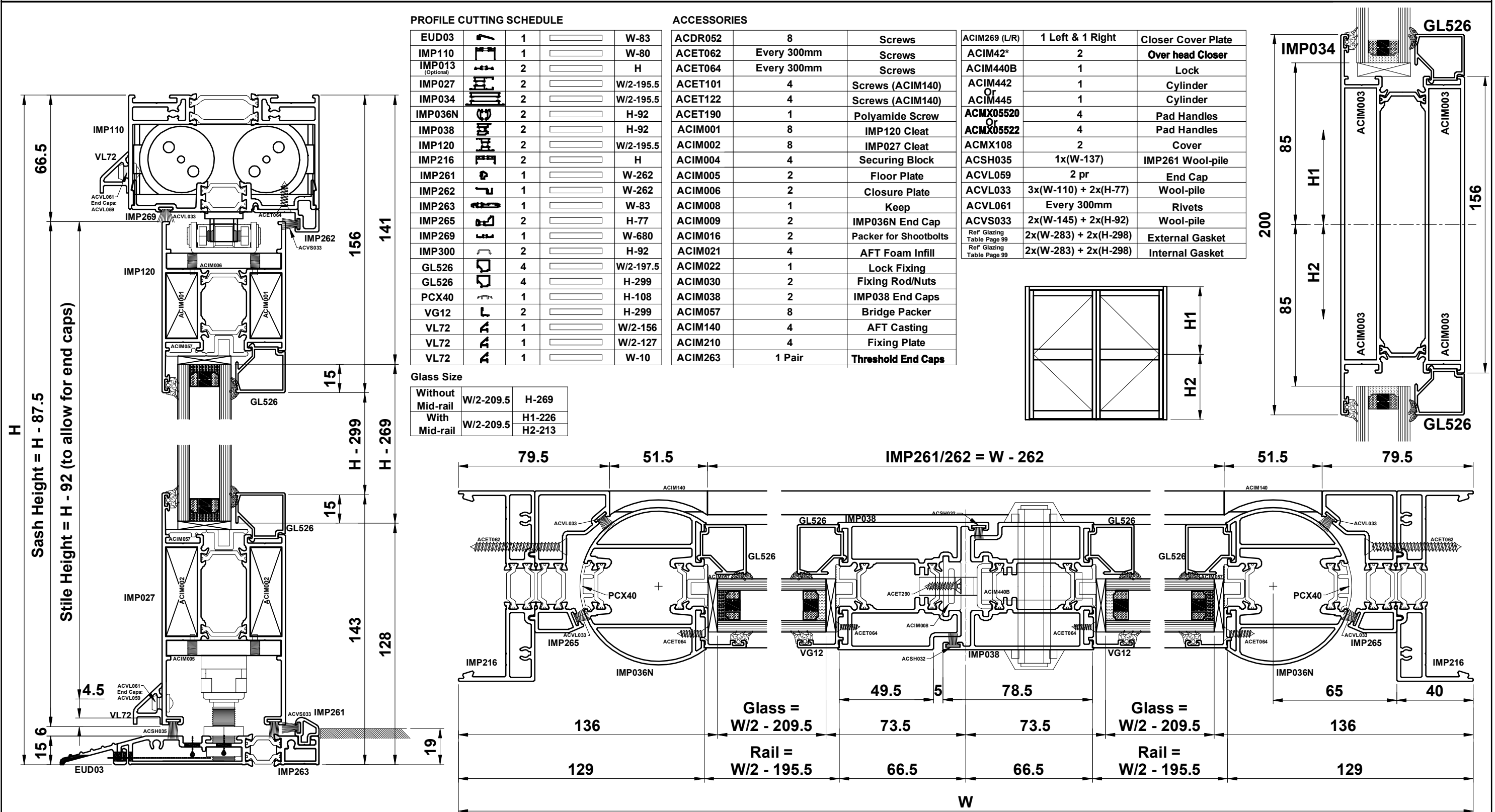
ACDR052	8	Screws
ACET062	Every 300mm	Screws
ACET064	Every 300mm	Screws
ACET101	2	Screws (ACIM140)
ACET122	2	Screws (ACIM140)
ACET190	4	Polyamide Screw
ACIM001	4	IMP120 Cleat
ACIM002	4	IMP027 Cleat
ACIM004	2	Securing Block
ACIM005	1	Floor Plate
ACIM006	1	Closure Plate
ACIM009	1	IMP036N End Cap
ACIM010	1	IMP039 End Cap
ACIM021	2	AFT Foam Infill
ACIM022	1	Lock Fixing
ACIM030	1	Fixing Rod/Nuts
ACIM057	4	Bridge Packer
ACIM140	2	AFT Casting
ACIM210	2	Fixing Plate
ACIM212L/R	1	Keep
ACIM263	1 Pair	Threshold End Caps
ACIM269 (L/R)	1	Closer Cover Plate

ACIM42*	1	Over head Closer
ACIM440B	1	Lock
ACIM442 Or ACIM445	1 1	Cylinder Cylinder
ACMX05520 Or ACMX05522	2 2	Pad Handles Pad Handles
ACMX108	2	Cover
ACSH035	1x(W-137)	IMP261 Wool-pile
ACVL059	2 pr	End Cap
ACVL033	3x(W-110) + 2x(H-77)	Wool-pile
ACVL061	Every 300mm	Rivets
ACVS033	2x(W-145) + 2x(H-92)	Wool-pile
Ref' Glazing Table Page 99	2x(W-283) + 2x(H-298)	External Gasket
Ref' Glazing Table Page 99	2x(W-283) + 2x(H-298)	Internal Gasket



Do Not Scale From This Drawing

Double Rebated Anti-Finger Trap Door



Do Not Scale From This Drawing

Cutting Information

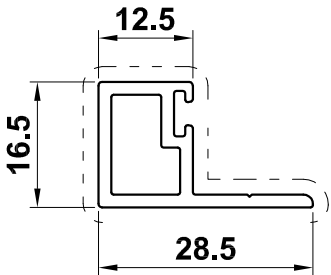
Do Not Scale From This Drawing

Bulletin

IMP266:
Rebate for IMP210

Number	Perim. mm	Mec. mm	lx(cm4) wx(cm3)	ly(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
IMP266	97	29	- ----	- ----	6.5	1	✓	✓	✓	✓	

IMP266



IMP266 is a new section to form a door rebate in IMP210.
Using IMP210 instead of IMP216 as the jamb allows a fanlight to be glazed in above.
For fanlights above double doors, IMP265 will fit directly into IMP210 as shown in the below hinge jamb detail.

