

IMPORTANT NOTE

Curtain Walling

Please note both CWCT and NHBC consider all storey height glazing to be a curtain wall and therefore should be designed as such. Curtain walling cannot be treated in the same way as window and door installations.

The following are requirements in undertaking a Curtain Walling project:

- Full elevation drawings must be produced. These drawings should clearly indicate all perimeter interface details typically showing water / vapour barriers, pressings / trims, fixing brackets / fixings along with any fire stopping that may be required. This is not an exhaustive list as other details may be required to suit specific projects.
- All bracketry and fixings should be backed up by calculations from a structural engineer to confirm suitability and meet site requirements. Also, profiles need to be identified to suit site conditions. These factors include screen sizes, fixing positions, glass weight, barrier loadings & wind loadings.
- It may be a requirement to include for on-site water testing and pull out testing. NHBC would require certification to the CWCT weather test where glazing may span a floor as opposed to a BS6375-1 window / door weather test.

Please also consider acoustic, thermal and structural performance when specifying curtain wall configuration and components.

IMPORTANT NOTE:

It would be expected that one or more members of installation teams have been certified by the Systems supplier to demonstrate competence and understanding of the system being installed.

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DATE

PAGE

DESCRIPTION

Specification

GENERAL DESCRIPTION

MC600 Plus is a stick build curtain wall system suitable for low rise installations, up to three stories, in commercial & domestic buildings.

Designed for quick and easy workshop preparation and on-site installation, MC600 is a cost effective system which offers a high quality finish.

PROFILE SPECIFICATION

The sections are constructed of aluminium alloy extrusion to BS EN 755-9 and BS EN 12020, extruded to 6063 T6 alloy.

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 EN 12206-1.

GENERAL MANUFACTURING

After careful inspection of the extrusions, all visible areas shall be taped using our recommended protective tape to help protect against any scratches.

Sections are cut with accurate 90° ends using Tungsten Carbide Tipped Saw Blades, operating at approximately 3000 rpm. The isolators, MC005, 006, 009 can be inserted into the mullions/transoms prior to cutting.

The mullions are marked and drilled using the recommended drill jig APMC696.

Transoms are drilled using recommended drill jig APMC691 in preparation for the fixing bracket APMC611 which is secured into position using ACET060 stainless steel self tapping screws.

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, the system must be adequately drained and ventilated. Refer to drainage details in manual, if in doubt ask the Technical Department.

WORKSHOP MANUFACTURING INFORMATION

After careful inspection of the extrusions, all visible areas shall be taped using our recommended protective tape to help protect against any scratches.

Sections are cut with accurate 90° ends using Tungsten Carbide Tipped Saw Blades, operating at approximately 3000 rpm. The isolator MC005, 006, 009 can be inserted into the mullions/transoms prior to cutting.

The mullions are marked to show the centre line of the transoms and are drilled with a 4mm dia. drill bit for the ACMC611 brackets and a 6.5mm dia. drill bit, then opened up to 11mm, for the ACMC650 anti-rotation spring pin using the recommended drill jig ACMC696.

Transoms are drilled with a 3mm dia. drill bit using recommended drill jig ACMC691 in preparation for the fixing bracket ACMC611 which is secured into position using ACET060 stainless steel self tapping screws. The ACMC650 anti-rotation spring pin is slid into the position and secured by tightening the grub screw.

IMPORTANT NOTE: Maximum weight on ACMC611 is 500kg.

Seal transom end pads to ends of transom with ACSIL04.

All gaskets and transom end pads may be fitted in the workshop to save time on site.

ON SITE ASSEMBLY INFORMATION

After mullions are secured into position, the transoms are inserted between the vertical members until the ACMC650 anti-rotation spring pin engages into the predrilled hole. Transom end pads should be sealed using ACSIL04. Care should be taken to ensure the transom end pads are not dislodged at this point. The transom is secured into position via the ACMC611 brackets using ACIM062 stainless steel self tapping screws. Ensure mullions are fully pushed against end of transoms to avoid relying on transom brackets to pull actual mullions into position.

Gasket to gasket joints to be bonded using EPDM adhesive. ACMC6030 glazing supports shall be positioned in preparation for the double glazed units.

Specification

GLAZING

Double glazed units shall be positioned on plastic packers on glazing supports with equal distance on all sides.

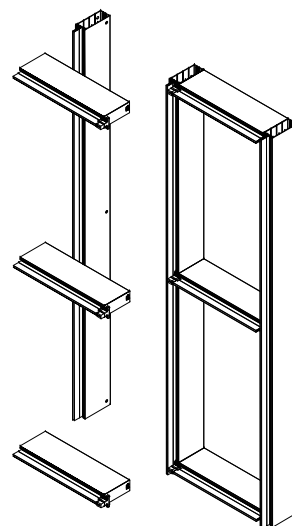
Units are secured in position using MC150 with ACMC151 held in place by ACMC6345 Self Tapping Fixing Screw taking care not to exceed torque of 5Nm to 6Nm at the recommended speed of 1500-1800rpm. Stitch plates may be used to secure the units temporarily until all units are in position. Pressure plates shall be fitted at the top first, working downwards to help avoid uneven fixings.

The cover caps are clipped in position using a rubber mallet taking care to strike the corners only to avoid denting the section. Vertical cover caps are fitted first followed by the horizontal caps.

Construction Options

The MC600 Plus Curtain Walling System shall be installed as stick build only.

Stick build is a fast method of fabrication and installation. The Curtain Wall is taken to a site in stick form and the mullions are first to be assembled - usually from the centre outwards. The transoms are then fitted from the front of the Curtain Wall. Spring Pins (ACMC650) fixed to the transoms, locate in pre-drilled holes in the mullions and the transoms are then secured using a face mounted bracket - ACMC611, 615, 6112 or 6116.



Specification

MC600 Weather Performance (CWCT - Standard for Systemised Building Envelopes)

BS EN 12152 Air Permeability:	Class 4 600Pa
BS EN 12154 Watertightness:	Class R7 600Pa
BS EN 13116 Resistance to Wind Load:	Class 2400 2400Pa

MC600 also successfully passed the 'Resistance to Impact'.

MC600 U Values

Contact Technical Department

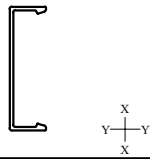
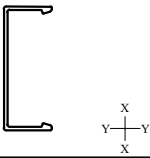
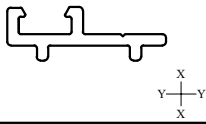
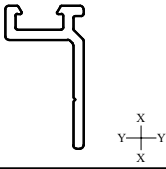
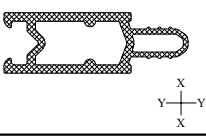
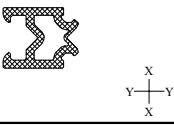
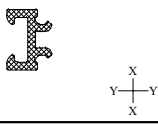
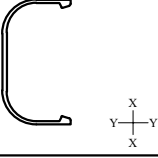
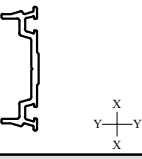
MC600 PAS24 Infill Removal & Soft Body Impact Test

Using *Pin Hex Button Self-Tapping* anti-tamper screws, MC600 has achieved PAS24.

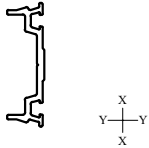
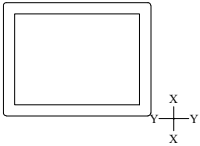
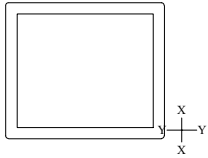
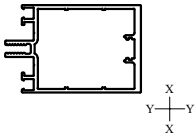
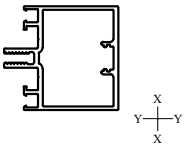
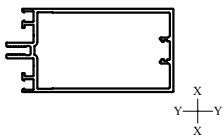
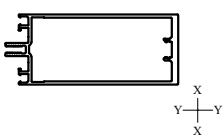
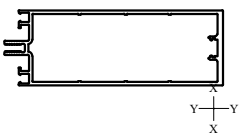
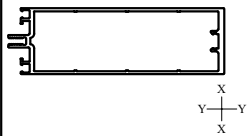
Anti-tamper screws are supplied by Fastenright (www.fastenright.com). Screw lengths will differ depending on glazing thickness - see glazing chart.

Use two anti-tamper screws in each corner of each unit.

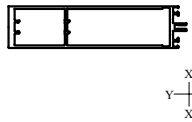
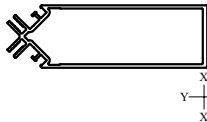
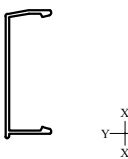
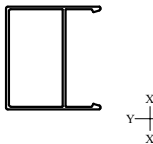
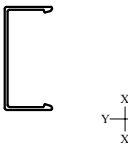
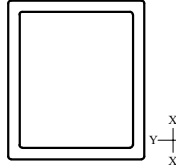
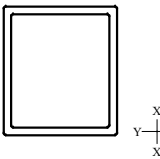
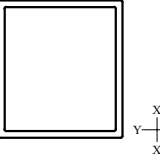
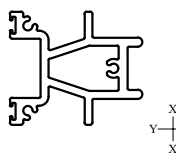
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DK053		A18	190	98	-	-	7 6.5	1	✓	✓	✓	✓	
ETC090		A17	68	-	-	-	5	1	✓	✓	✓	✓	
ETC091		A17	75	-	-	-	5	1	✓	✓	✓	✓	
MC005		A20	-	-	-	-	7	1	✓				
MC006		A20	-	-	-	-	7	1	✓				
MC009		A20	-	-	-	-	7	1	✓				
MC050		A18	206	102	-	-	7	1	✓	✓	✓	✓	
MC150		A20	185	-	-	-	7	1	✓				
								A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

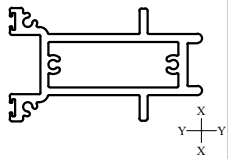
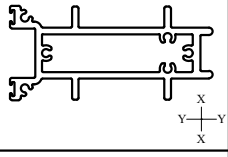
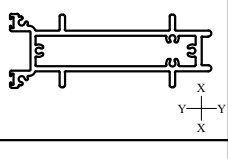
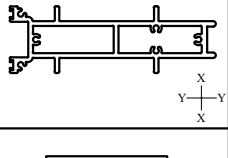
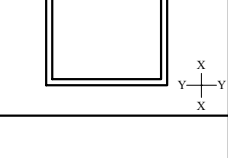
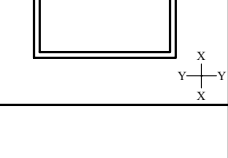
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MC166		A19	103	-	-	-	7	1	✓	✓	✓	✓	
MC603		A13	396	205	71.6 — 14.9	31.7 — 11.5	7	1	✓	✓	✓	✓	
MC612		A13	346	155	23.5 — 7.2	20.7 — 7.5	7	1	✓	✓	✓	✓	
MC614		A14	444	255	120.6 — 21.7	35.2 — 12.8	7	1	✓	✓	✓	✓	
MC616		A14	496	305	250 — 33.2	45 — 16.4	7	1	✓	✓	✓	✓	
MC618		A15	546	355	380.4 — 44.6	59.5 — 21.6	7	1	✓	✓	✓	✓	
MC619		A15	586	395	575 — 57	68.5 — 24.9	7	1	✓	✓	✓	✓	
								A = Outside B = Inside		MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour M = Dual Colour			

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MC625		A17	625	353	521.3 — 57.4	69.9 — 25.4	7	1	✓	✓	✓	✓	
MC652		A18	188	97	-	-	7	1	✓	✓	✓	✓	
MC653		A18	247	154	-	-	7	1	✓	✓	✓	✓	
MC654		A18	206	105	-	-	7	1	✓	✓	✓	✓	
MC665		A19	103	103	-	-	7	1	✓	✓	✓	✓	
MC666		A19	127	127	-	-	7	1	✓	✓	✓	✓	
MC667		A19	-	-	-	-	7	1	✓	✓	✓	✓	
MC693		A13	336	-	23.1 — 7.6	13.8 — 5.5	6	1	✓				
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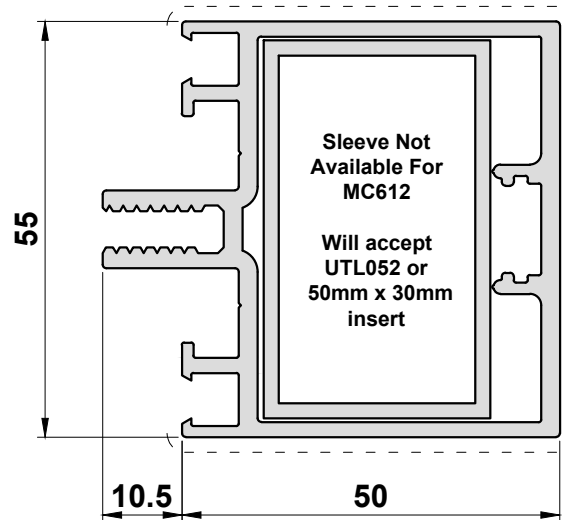
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MC696		A14	462	-	142.9 — 37.7	22.3 — 8.9	7	1	✓				
MC698		A15	507	-	258.9 — 37.7	23.9 — 9.8	7	1	✓				
MC699		A15	547	-	353.1 — 44.8	26.3 — 10.7	7	1	✓				
UTL026		A17	160	160	-	-	6	1	✓	✓	✓	✓	
UTL052		A17	160	160	-	-	6	1	✓	✓	✓	✓	
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Primary Visible Side

Secondary Visible Side

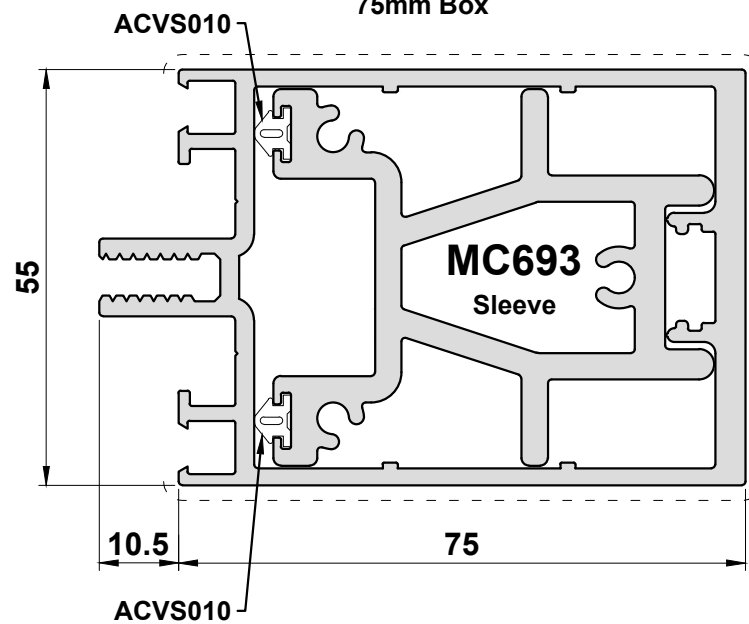
MC612

50mm Box



MC603

75mm Box



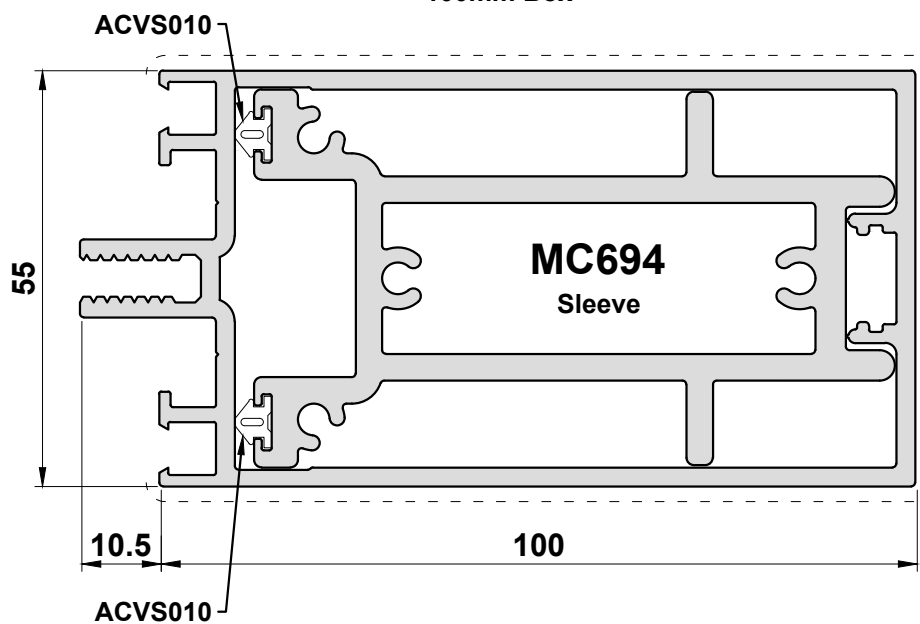
Scale 1:1

Primary Visible Side

Secondary Visible Side

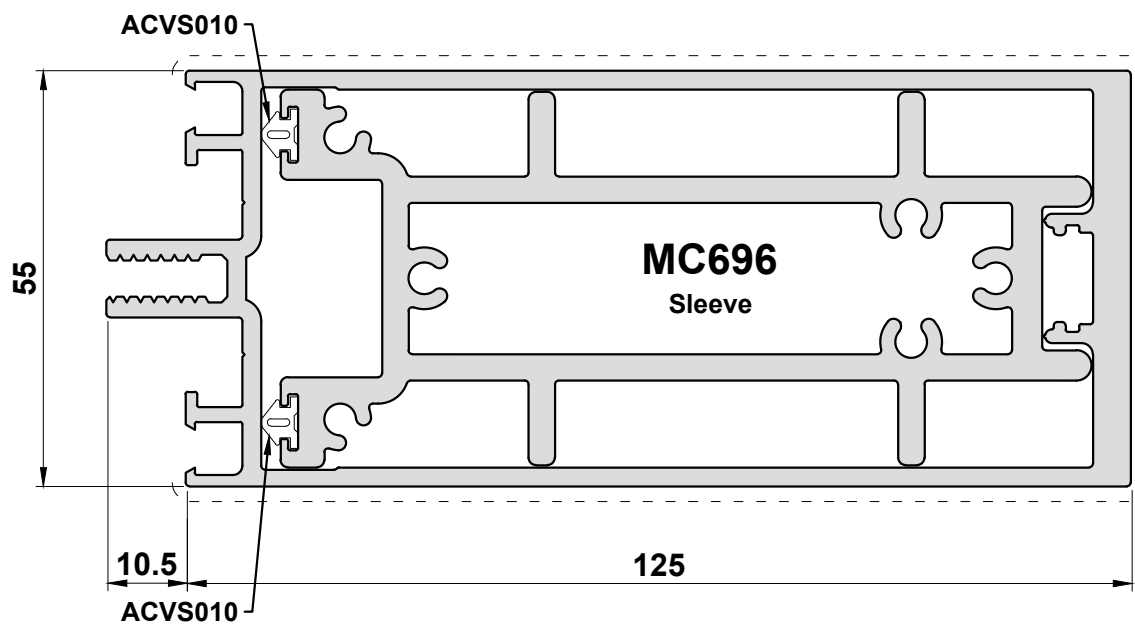
MC614

100mm Box



MC616

125mm Box



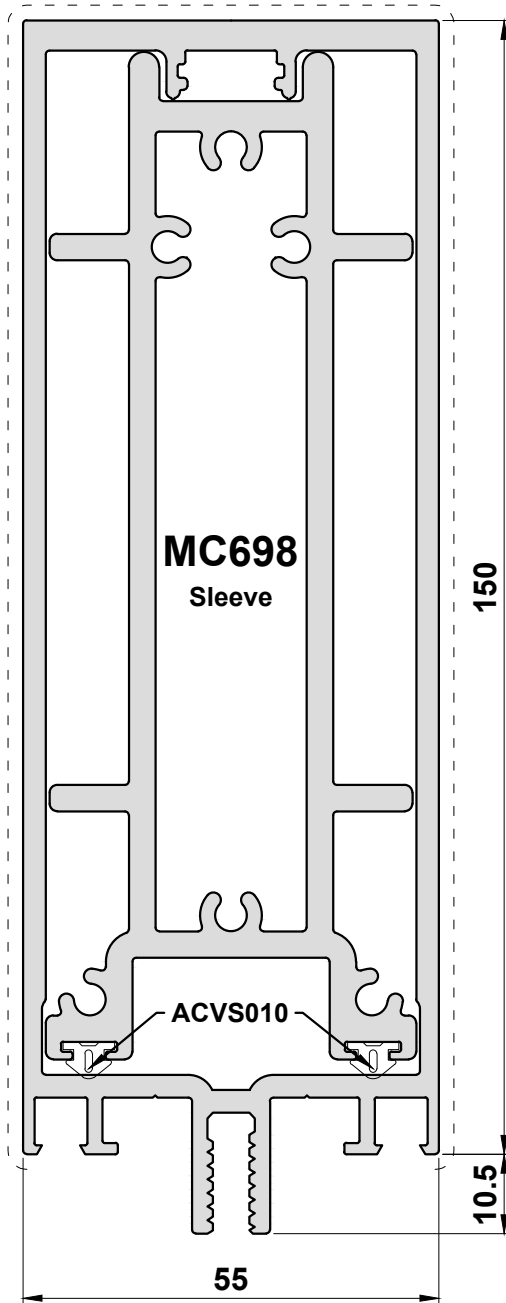
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Primary Visible Side

Secondary Visible Side

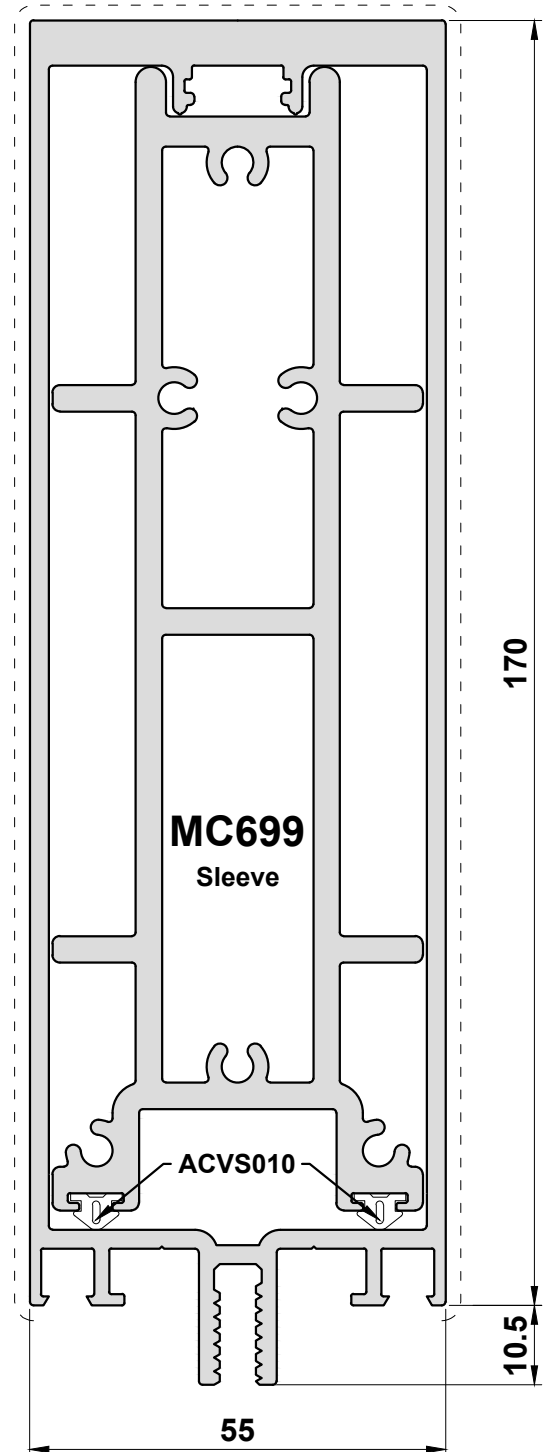
MC618

150mm Box



MC619

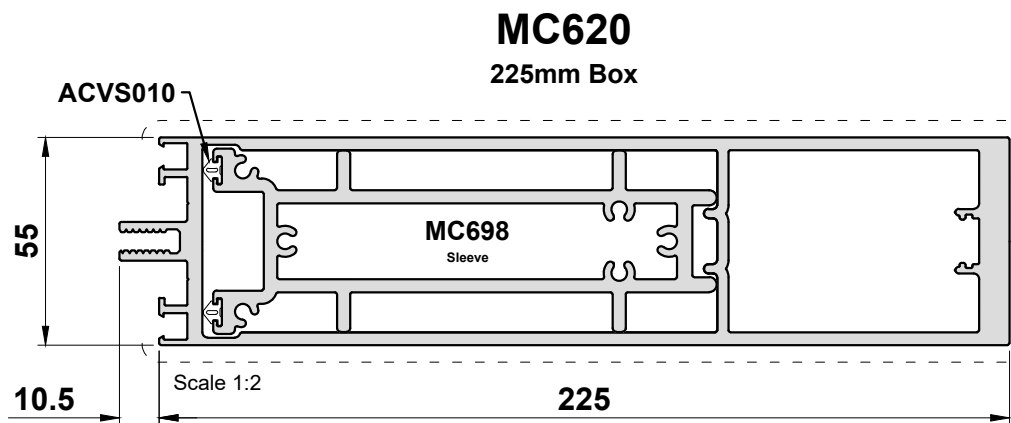
170mm Box



Scale 1:1

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Secondary Visible Side



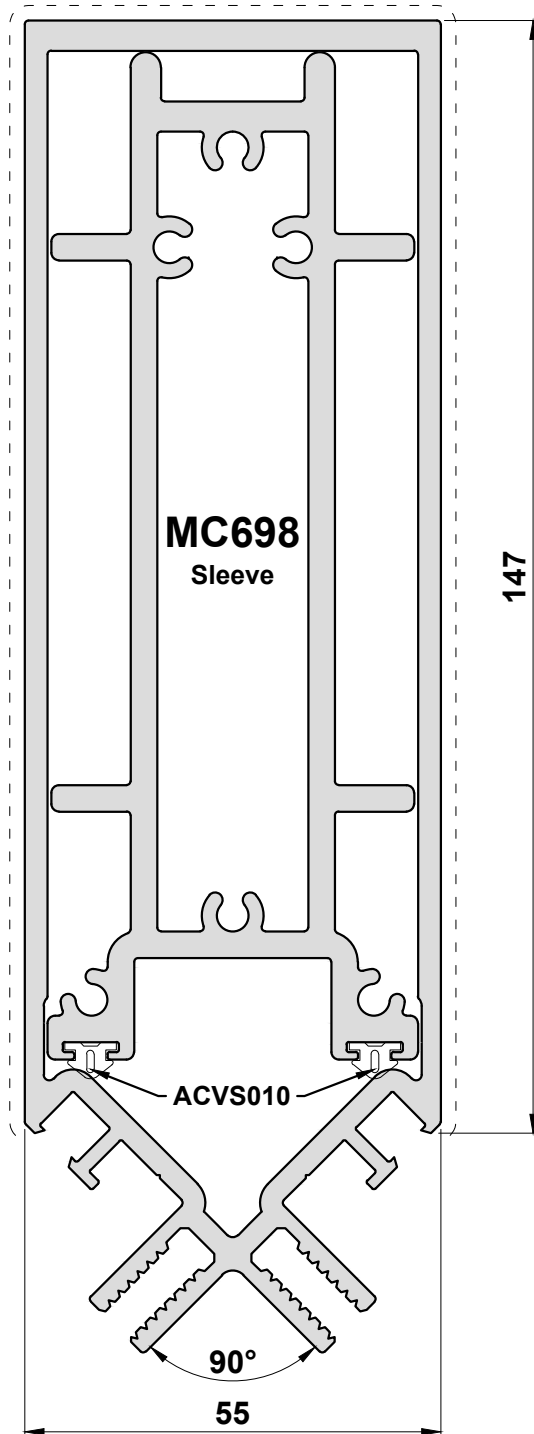
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Primary Visible Side

Secondary Visible Side

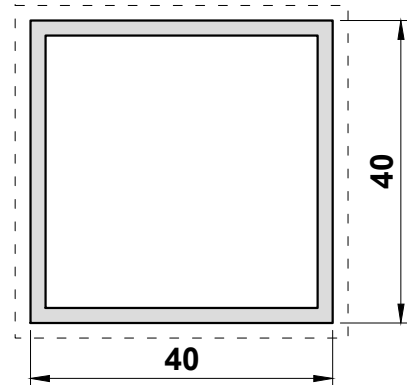
MC625

90° Corner Mullion



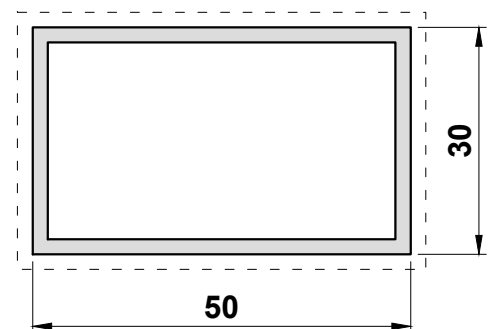
UTL026

40 x 40mm Box



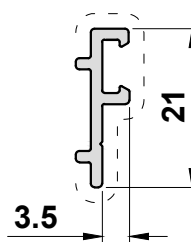
UTL052

50 x 30mm Box



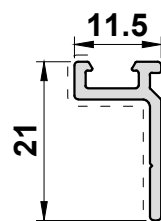
ETC090

EPDM Carrier



ETC091

EPDM Carrier

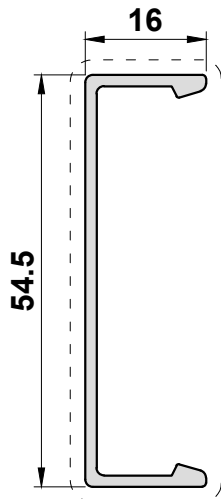


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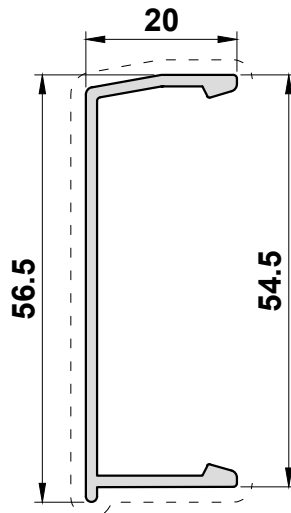
Primary Visible Side

Secondary Visible Side

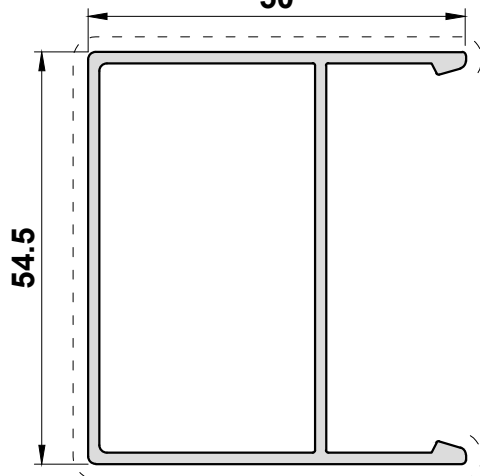
DK052
Horizontal Capping



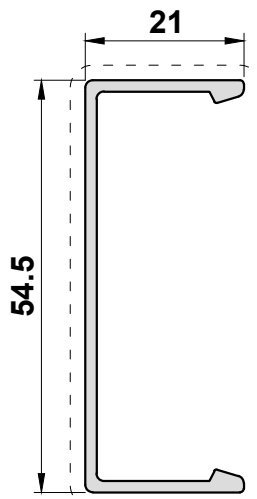
MC652
Horizontal Capping
with Drip



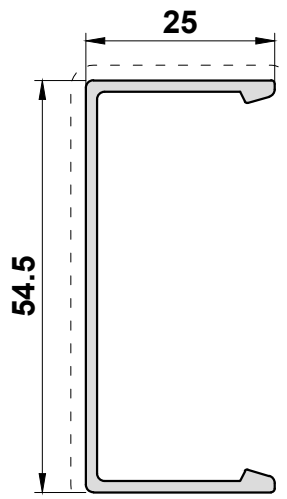
MC653
50mm Vertical
Capping



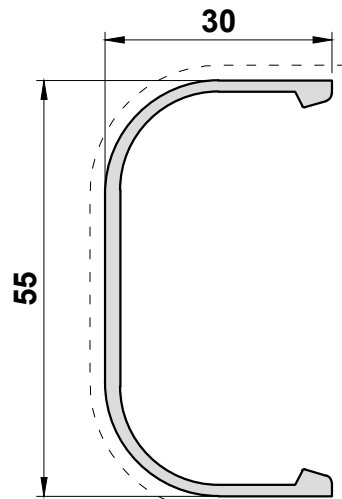
DK053
Vertical Capping



MC654
Vertical Capping



MC050
Vertical Capping



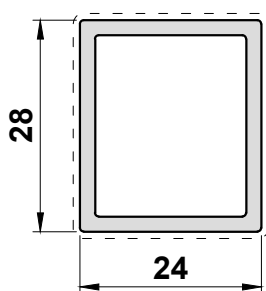
Scale 1:1

Primary Visible Side

Secondary Visible Side

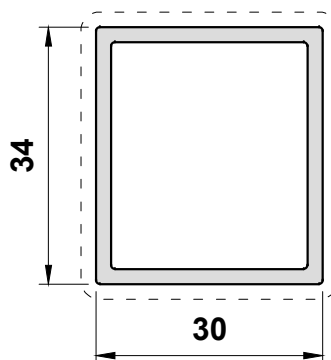
MC665

Infill



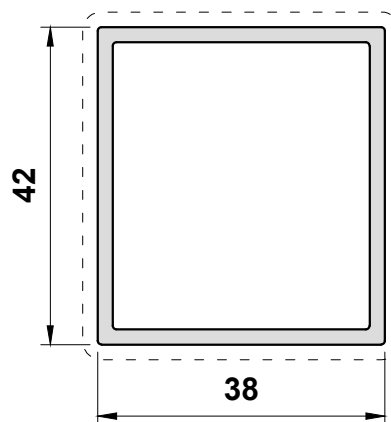
MC666

Infill



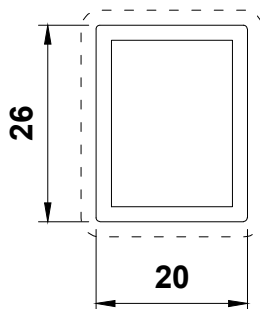
MC667

Infill



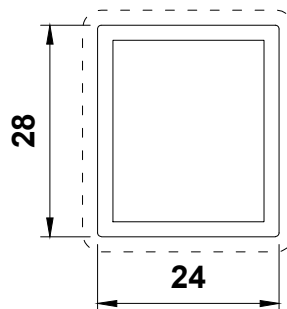
MC165

Infill



MC166

Infill

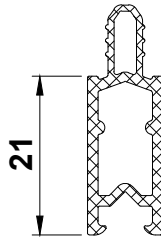


Scale 1:1

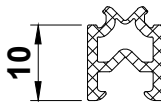
Primary Visible Side

Secondary Visible Side

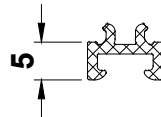
MC005
Insulator



MC006
Insulator

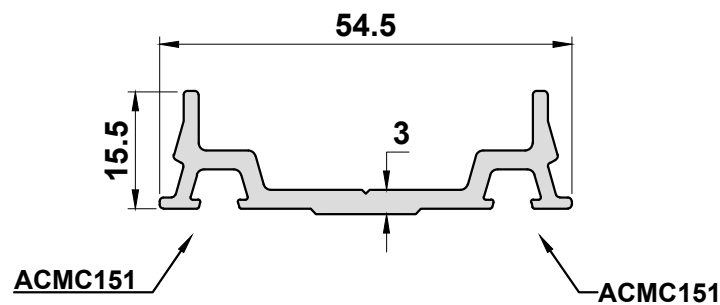


MC009
Insulator



MC150

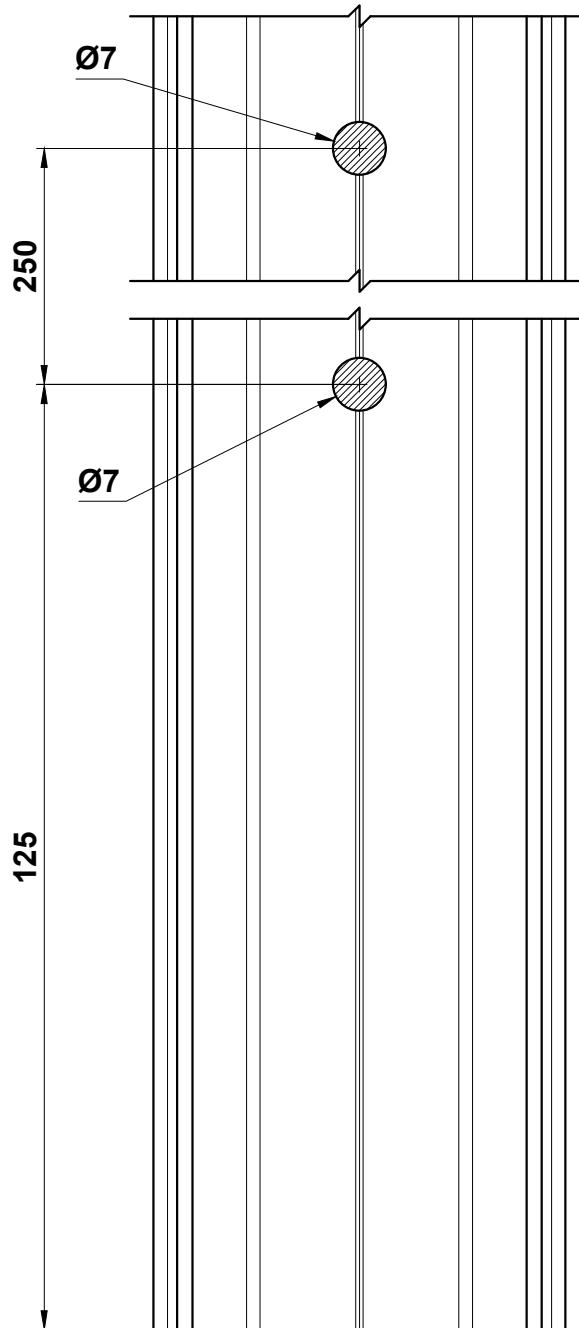
Aluminium Pressure Plate



Scale 1:1

Primary Visible Side

Secondary Visible Side



MC150D
Pre- drilled aluminium
Pressure Plate



$\varnothing 7$ every 250mm

Scale 1:1

Primary Visible Side

Secondary Visible Side

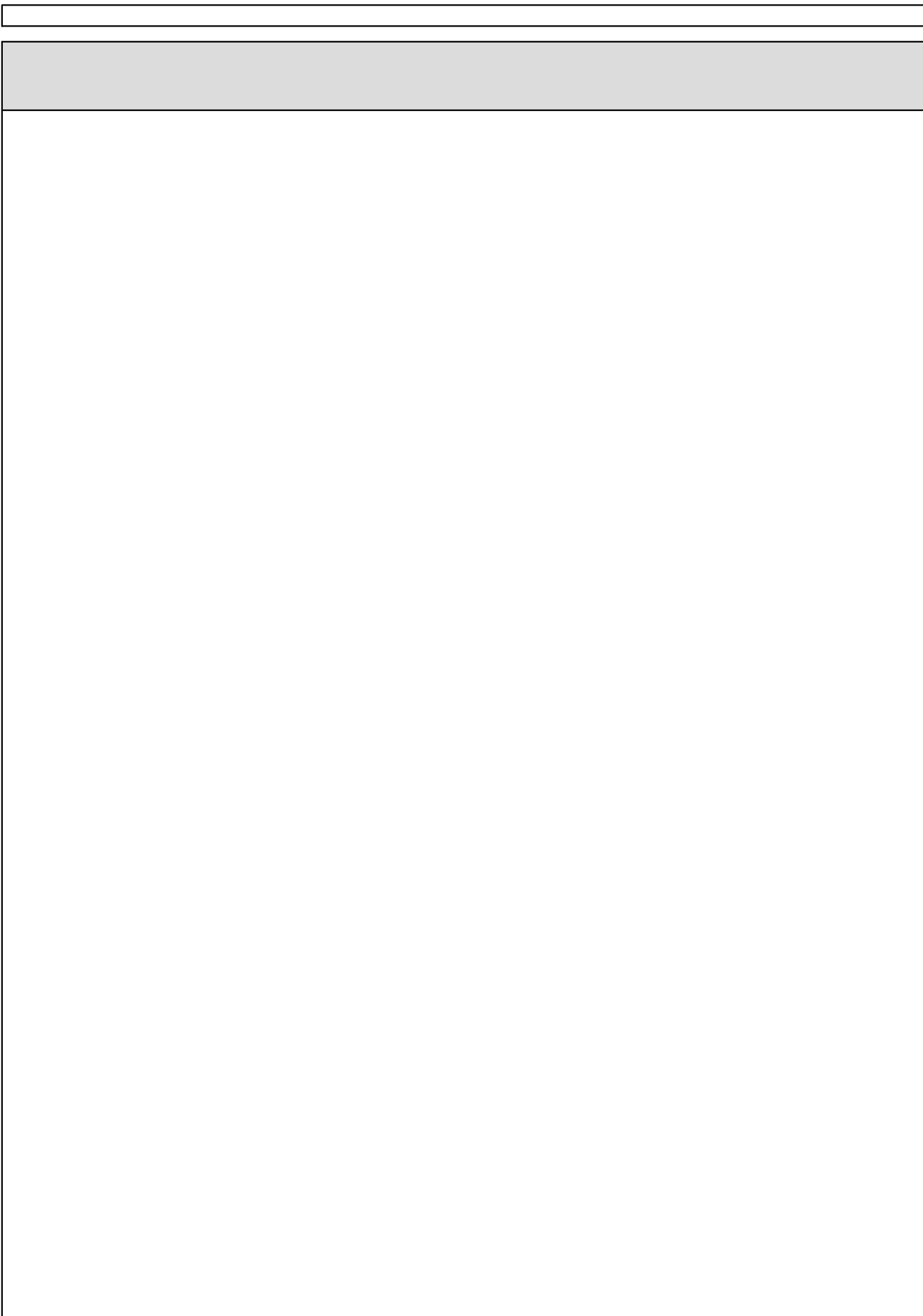
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Scale 1:1

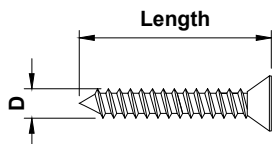
Section B

Accessories

Photos & Drawings



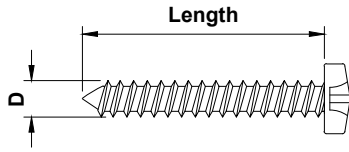
Countersunk Screws



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

Part Number	Gauge	X	Length	Description	Box Qty.
ACUN3530	No.6	X	5/8"	Countersunk Pozi Self Tapper S/S	100
MUA025SSZ	No.6	X	1"	Countersunk Pozi Self Tapper S/S	100
ACET067	No.7	X	1/2"	Countersunk Pozi Self Tapper S/S	100
ACET060	No.7	X	1"	Countersunk Pozi Self Tapper S/S	100
ACET066	No.7	X	1 1/2"	Countersunk Pozi Self Tapper S/S	100
MUA067SSZ	No.7	X	2"	Countersunk Pozi Self Tapper S/S	100
ACUN3544	No.7	X	3/4"	Countersunk Pozi Self Tapper S/S	100
ACET064	No.8	X	5/8"	Countersunk Pozi Self Tapper S/S	100
ACUN3512	No.8	X	1 1/4"	Countersunk Pozi Self Tapper S/S	100
ACUN3513	No.8	X	1 3/4"	Countersunk Pozi Self Tapper S/S	100
ACET072	No.8	X	2 1/2"	Countersunk Pozi Self Tapper S/S	100
ACET490	4.3mm	X	16mm	Countersunk PH2 Polyamide Screw	1000
ACET290	4.3mm	X	20mm	Countersunk PH2 Polyamide Screw	100
ACET390	4.3mm	X	25mm	Countersunk PH2 Polyamide Screw	200
ACET190	4.3mm	X	45mm	Countersunk PH2 Polyamide Screw	1000
ACVS062	4.3mm	X	65mm	Countersunk PH2 Polyamide Screw	1000
ACET048	No.10	X	3/8"	Countersunk Pozi Self Tapper S/S	100
ACIM062	No.10	X	1 1/4"	Countersunk Pozi Self Tapper S/S	100
ACET062	No.10	X	2"	Countersunk Pozi Self Tapper S/S	100
ACET076	No.10	X	2 1/2"	Countersunk Pozi Self Tapper S/S	100

Pan Head Screws



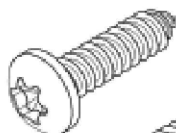
Gauge	'D' (mm)
No.6	3.5
No.7	3.8
No.8	4
No.10	5
No.12	6

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

Pressure Plate Screws

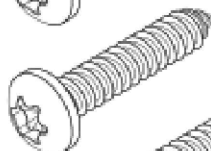
ACMC6325

DIN7981 TX M6.3x25
x 200



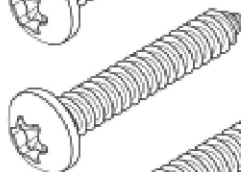
ACMC6332

DIN7981 TX M6.3x32
x 200



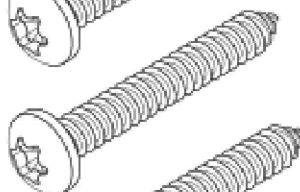
ACMC6338

DIN7981 TX M6.3x38
x 200



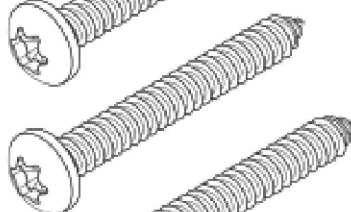
ACMC6345

DIN7981 TX M6.3x45
x 200



ACMC6350

DIN7981 TX M6.3x50
x 200



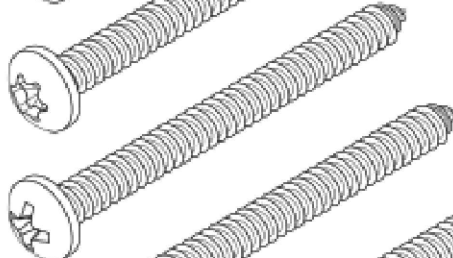
ACMC6360

DIN7981 TX M6.3x60
x 200



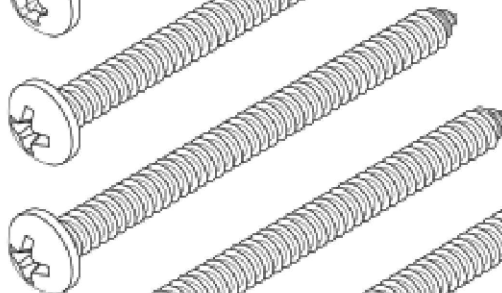
ACMC6370

DIN7981 M6.3x70
x 200



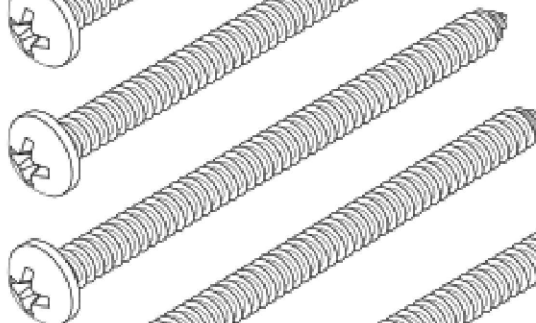
ACMC6380

DIN7981 M6.3x80
x 200



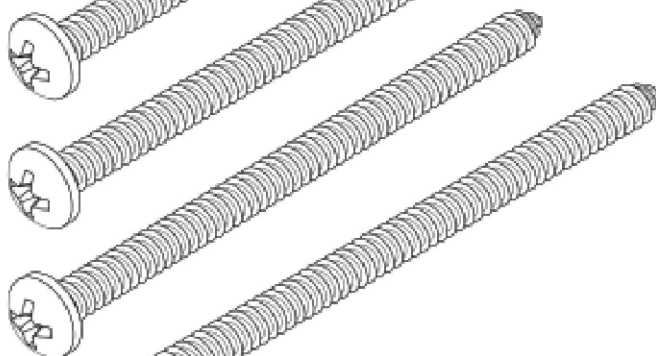
ACMC6390

DIN7981 M6.3x90
x 200



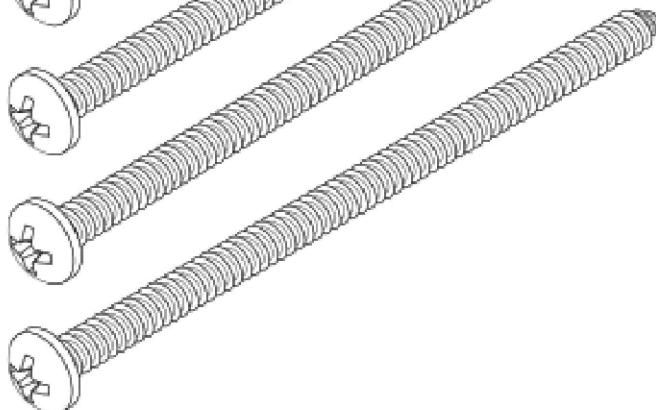
ACMC63100

DIN7981 M6.3x100
x 200








ACMC63120

DIN7981 M6.3x120
x 200

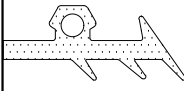
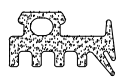


Glazing Gaskets

Mullion & Transom Gaskets

Mullion & Transom Gasket	2mm		ACMC702
			300m
			BL
	3mm		ACMC703
			300m
			BL
	4mm		ACMC704
			200m
			BL
	5mm		ACMC705
			150m
			BL
	6mm		ACMC706
			150m
			BL

Pressure Plate Gaskets

Pressure Plate Gasket	3mm		ACMC150
			100m
			BL
	3mm		ACMC151
			150m
			BL

Thickness	Drawing	Part number
		Coil length
		Available Colours

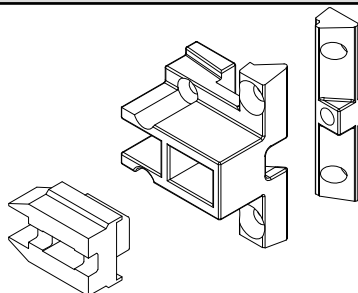
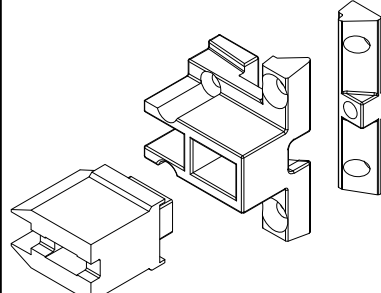
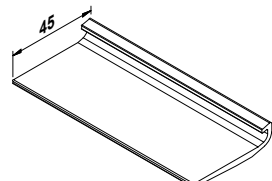
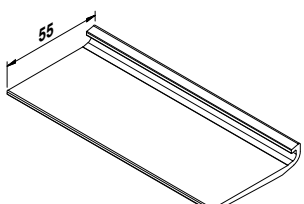
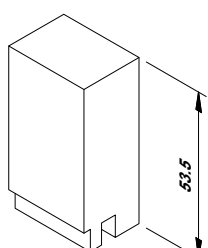


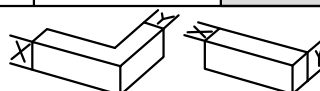
Image	Part Code	Pack	Unit	Application	Colour
	ACMC611 Two Part Transom to Mullion Bracket Glazing 28-30mm	1	each	MC603 MC612 MC614 MC616 MC618 MC619 MC620 MC625	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMC615 Two Part Transom to Mullion Bracket Glazing 40-44mm	1	each	MC603 MC612 MC614 MC616 MC618 MC619 MC620 MC625	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMC631 Glazing Support (100mm) for 40mm - 44mm	20	pack	MC603 MC612 MC614 MC616 MC618 MC619	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMC633 Glazing Support (100mm) for 50mm - 54mm	20	pack	MC603 MC612 MC614 MC616 MC618 MC619	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMC646 Foam End Block for Raked Heads For Glazing 28mm - 36mm	50	pack	MC612 MC614 MC616 MC618 MC619	MF
					SA
					KL
					HP
					SSC
					SMC
					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 SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black		

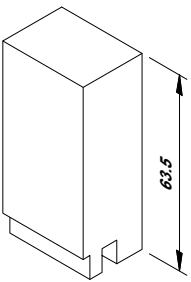
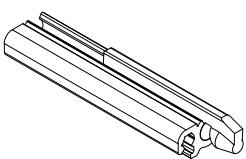
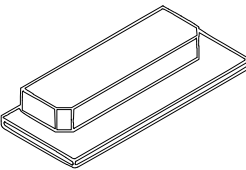
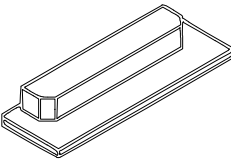
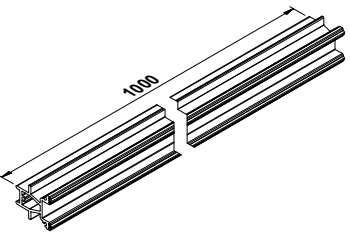


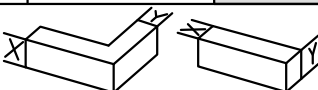
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	ACMC647 Foam End Block for Raked Heads For Glazing 40mm - 54mm	50	pack	MC612 MC614 MC616 MC618 MC619	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
	ACMC650 Spring Pin With Hook	1	each	MC612 MC614 MC616 C618 MC619	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
	ACMC660 End Cap	50	pack	DK053	MF <input type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
	ACMC661 End Cap	50	pack	DK052	MF <input type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
	ACMC663 1000mm Sleeve for MC603 with ACVS010 inserts Produced from MC693	1	each	MC603	MF <input checked="" type="checkbox"/>
					SA <input type="checkbox"/>
					KL <input type="checkbox"/>
					HP <input type="checkbox"/>
					SSC <input type="checkbox"/>
					SMC <input type="checkbox"/>
					W <input type="checkbox"/>
					Z <input type="checkbox"/>
					PC <input type="checkbox"/>
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black		

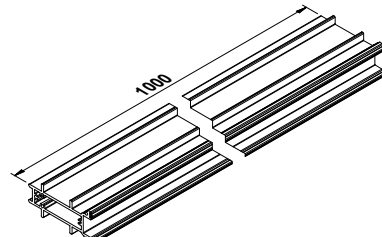
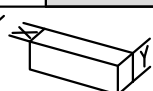
Image	Part Code	Pack	Unit	Application	Colour	
	ACMC664 1000mm Sleeve for MC614 with ACVS010 inserts Produced from MC694	1	each	MC614	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC666 1000mm Sleeve for MC616 with ACVS010 inserts Produced from MC696	1	each	MC616	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC668 1000mm Sleeve for MC618 with ACVS010 inserts Produced from MC698	1	each	MC618 MC620 MC625	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC669 1000mm Sleeve for MC619 with ACVS010 inserts Produced from MC699	1	each	MC619	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC691 Transom Drill Jig Dual Purpose: -Transom Brackets -Shear Blocks	1	each	MC612 MC614 MC616 MC618 MC619	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
 T-BARS ACVG66=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black	 		

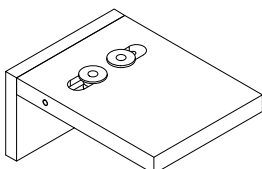
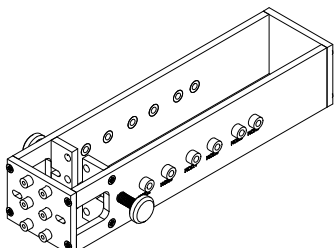
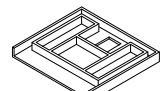
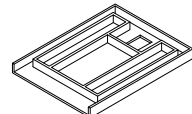
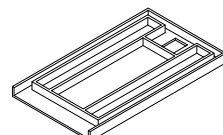



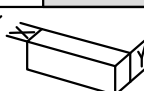
Image	Part Code	Pack	Unit	Application	Colour	
	ACMC693 Raked Head Drill Jig	1	each	MC614 MC615 MC616 MC617 MC618 MC619	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
PC						
	ACMC696 Mullion Drill Jig for ACMC650 & ACMC651	1	each	MC612 MC614 MC616 MC618 MC619	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
PC						
	ACMC6012 MC612 End Pad	50	pack	MC612	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
PC						
	ACMC6013 MC603 End Pad	50	pack	MC603	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
PC						
	ACMC6014 MC614 End Pad	50	pack	MC614	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					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 SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black	 

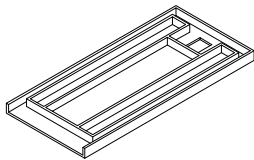
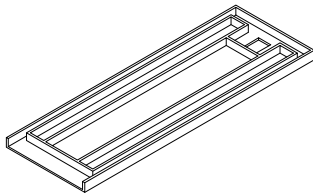
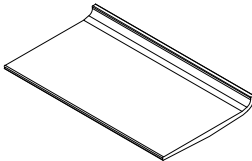
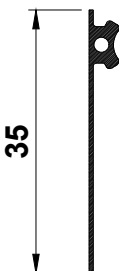
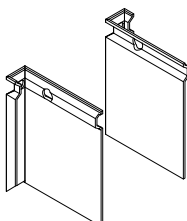



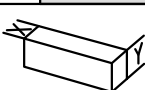
Image	Part Code	Pack	Unit	Application	Colour	
	ACMC6016 MC616 End Pad	50	pack	MC616	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	ACMC6019 MC619 End Pad	50	pack	MC619	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	ACMC6030 Glazing Support (100mm) for 28mm - 36mm	20	pack	MC603 MC612 MC614 MC616 MC618 MC619	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC6035 Transom Membrane	20m	Coil	MC603 MC612 MC614 MC616 MC618 MC619	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	ACMC6044 Cover Cap for Splice Joint	10	pack	ACMC203 MC612 MC614 MC616 MC618 MC619 MC620	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					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 SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black	 		

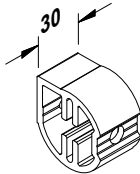
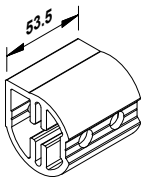
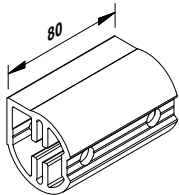
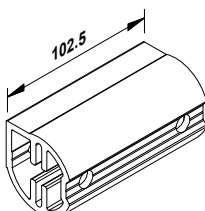
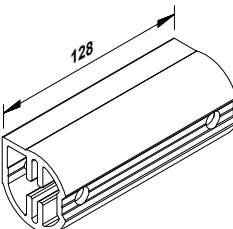


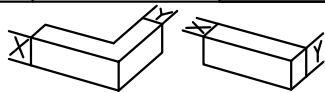
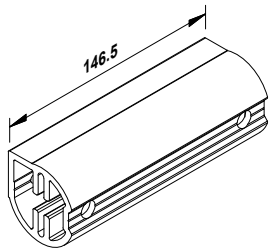
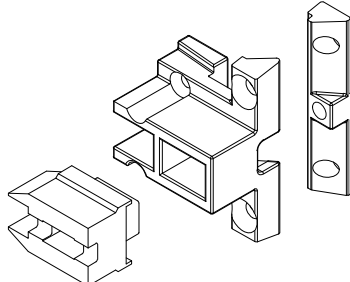
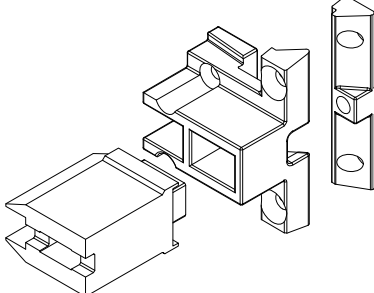
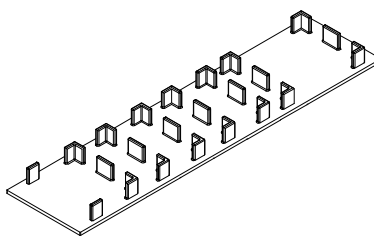
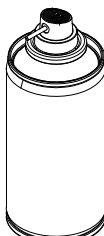


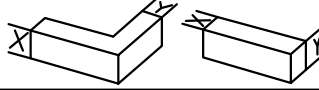
Image	Part Code	Pack	Unit	Application	Colour	
	ACMC6052 Angle Bracket for MC612	1	each	MC612	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC6053 Angle Bracket for MC603	1	each	MC603	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC6054 Angle Bracket for MC614	1	each	MC614	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC6056 Angle Bracket for MC616	1	each	MC616	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC6058 Angle Bracket for MC618	1	each	MC618	MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					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 SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome	W = White Z = Black			

Image	Part Code	Pack	Unit	Application	Colour	
	ACMC6059 Angle Bracket for MC619	1	each	MC619	MF	<input checked="" type="checkbox"/>
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC6112 Two Part Transom to Mullion Bracket Glazing 32-36mm	1	each	MC603 MC612 MC614 MC616 MC618 MC619 MC620 MC625	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC6116 Two Part Transom to Mullion Bracket Glazing 50-54mm	1	each	MC603 MC612 MC614 MC616 MC618 MC619 MC620 MC625	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMC6120 Mullion End Pad	20	pack	MC603 MC612 MC614 MC616 MC618 MC619 MC620 MC625	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	<input checked="" type="checkbox"/>
					PC	
	IPCH004KRZ Degreaser	1	each	Gasket	MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					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 SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome		W = White Z = Black		

ACCESSORIES : PHOTOS & DRAWINGS


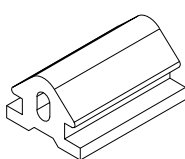


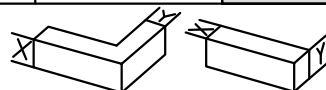
Image	Part Code	Pack	Unit	Application	Colour
	ACUN3615 EPDM Sealant. 600ml.	1	each	Gasket	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACVS010 Spacer for Inserts	7.3	m	MC693 MC694 MC696 MC698 MC699	MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
					MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
					MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
					MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
 <p>T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm</p>  <p>Screw (Grub)</p>	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome				









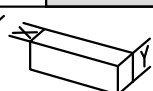
Image	Part Code	Pack	Unit	Application	Colour	
	ACMX09700 Alu. Polish	1	each		MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMX09761 Maxi Gloss	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMX09762 Alu. Bright	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMX09763 Teflon Spray	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACMX09764 Maxi Clean	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					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 SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome		W = White Z = Black		 	

Image	Part Code	Pack	Unit	Application	Colour
	ACMX09765 Alu. Cleaner	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMX09770 Roll & Wrap 100mm	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMX09775 Grip Handwrap	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMX09801 Protective Tape 50mm	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
	ACMX09802 Protective Tape 70mm	1	each		MF
					SA
					KL
					HP
					SSC
					SMC
					W
					Z
					PC
 T-BARS ACVG65=2.5mm ACVG66=3.0mm ACVL150=4.0mm	 Screw (Grub)	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome			






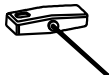

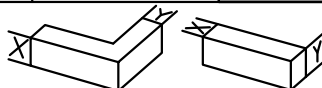




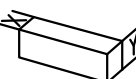
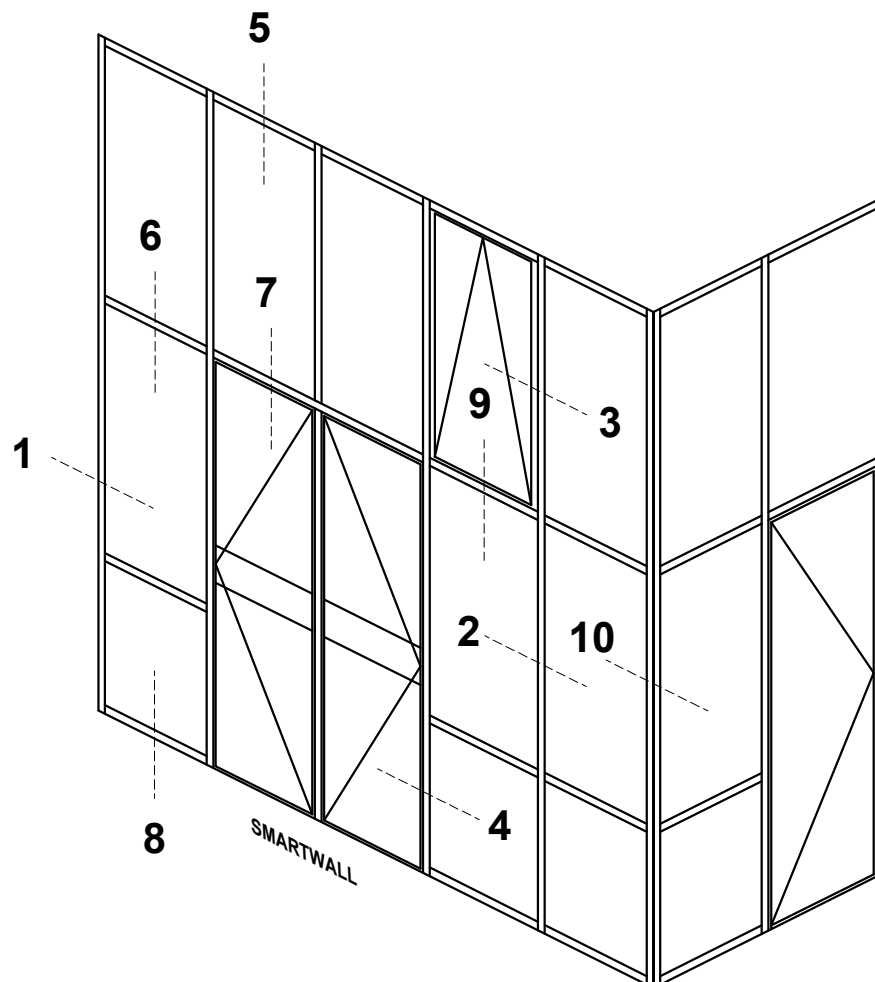
Image	Part Code	Pack	Unit	Application	Colour	
	ACMX09803 Protective Tape 100mm	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACSIL04 Sealing Glue Order with suffix of KL colour (eg.ACSIL04KL005) or BL=Black/WP=White/ CL=Clear	1	each		MF	
					SA	
					KL	✓
					HP	
					SSC	
					SMC	
					W	✓
					Z	✓
					PC	
	ACSIL05 Rubber Sealant	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACSIL08 Silicon Gun	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACSIL013 Glue for Mitre	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					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 SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome		W = White Z = Black		

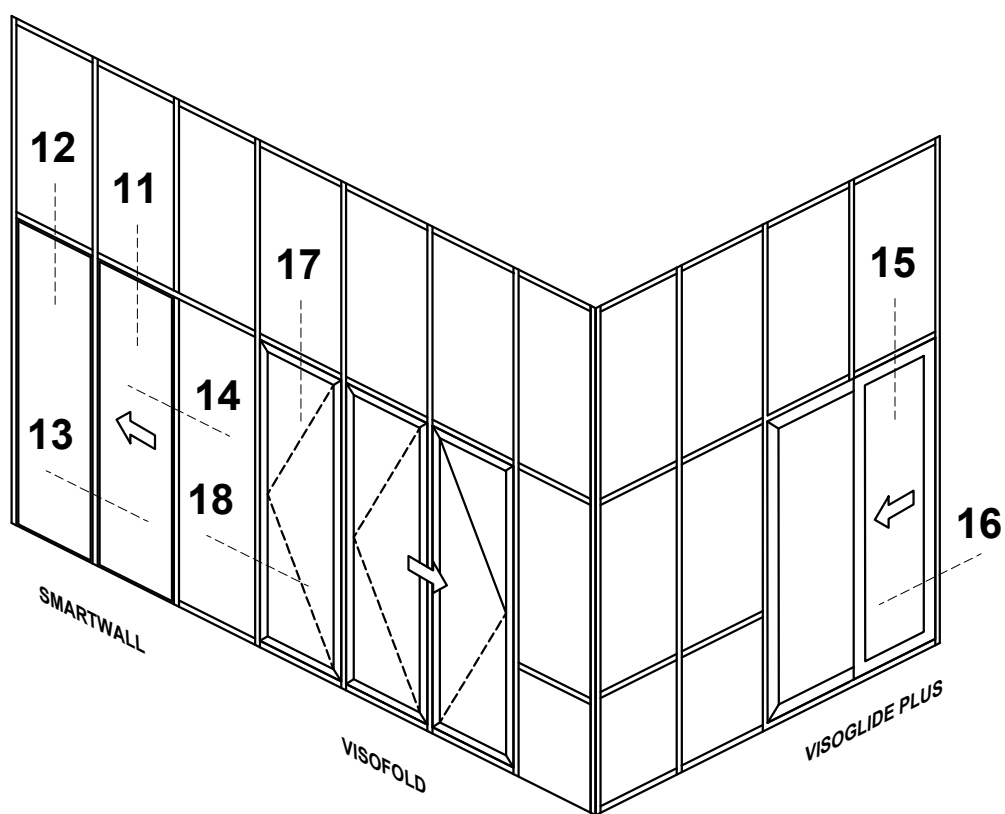
Image	Part Code	Pack	Unit	Application	Colour	
	ACSIL014 Anti-Corrosion Coating	1	each		MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	ACUN3900 Gasket Roller	1	each		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
					MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
					MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	
	MF = Mill Finish SA = Silver Anodised KL = Basic Colour HP = Special Colour SSC = Smooth Satin Chrome SMC = Smokey Chrome PC = Polished Chrome					W = White Z = Black
				 		

Section C

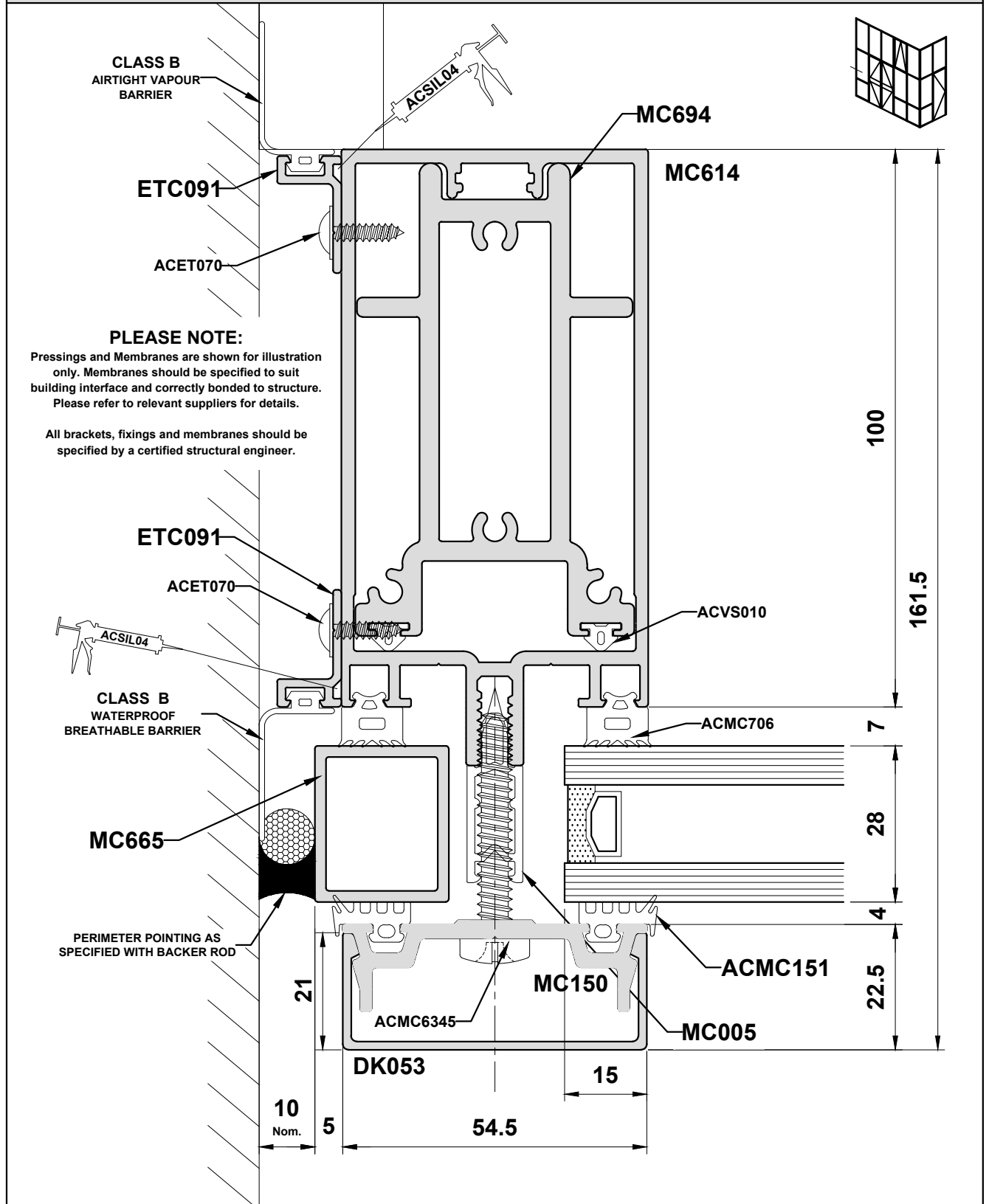
Sections

Scale Elevations



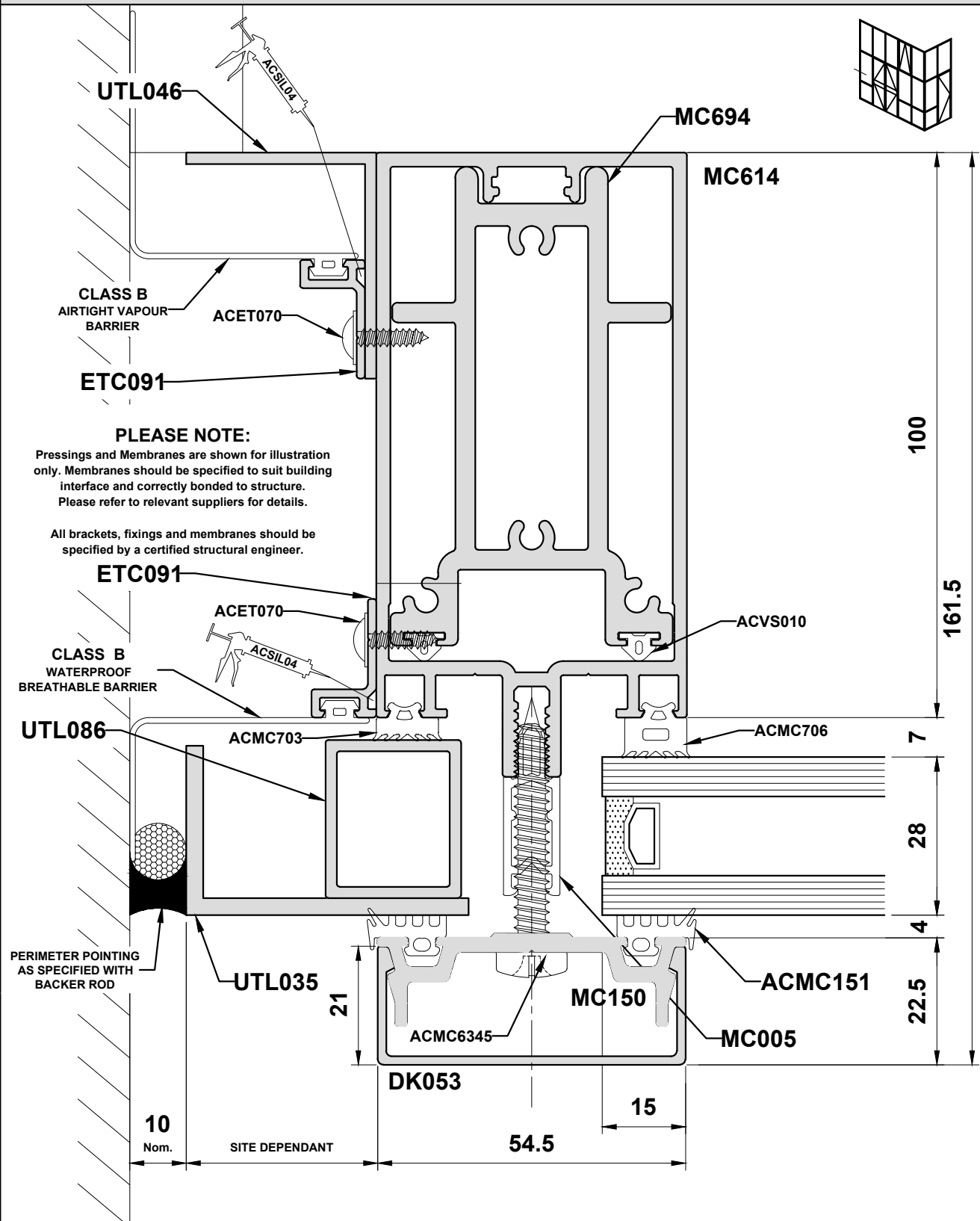


Detail 1A - End Mullion

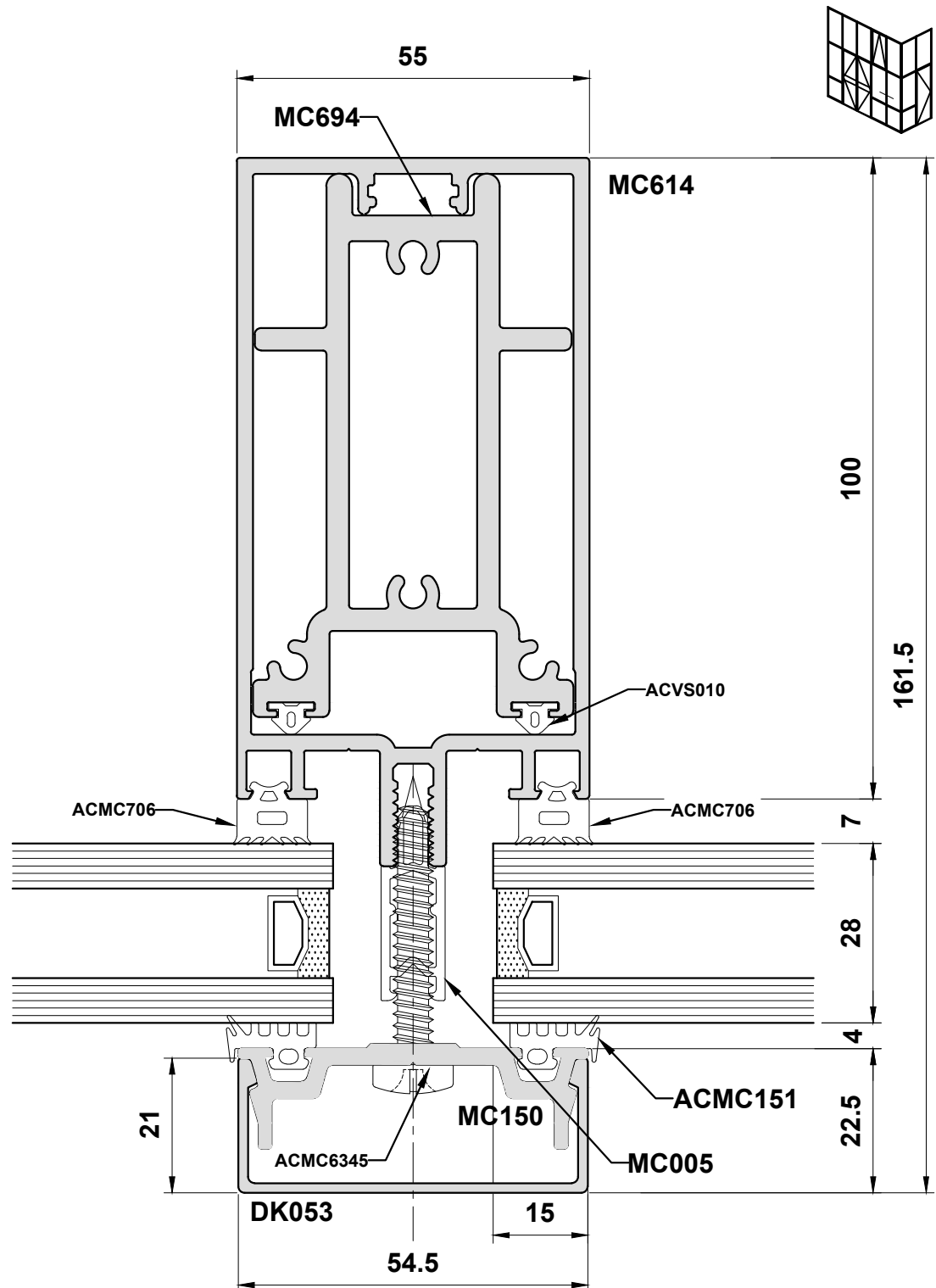


Do Not Scale From This Drawing

Detail 1B - End Mullion

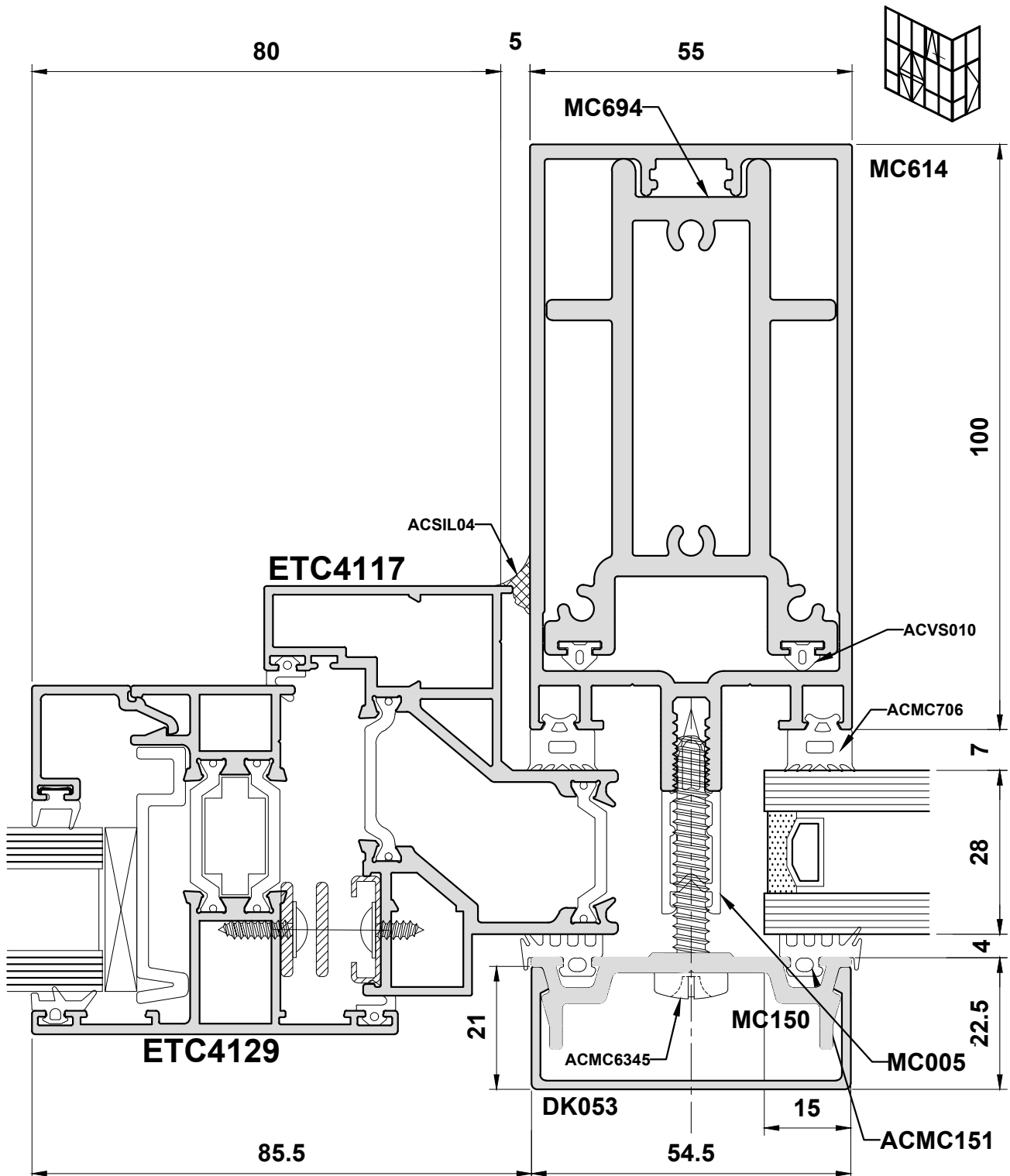


Detail 2 - Mullion Detail



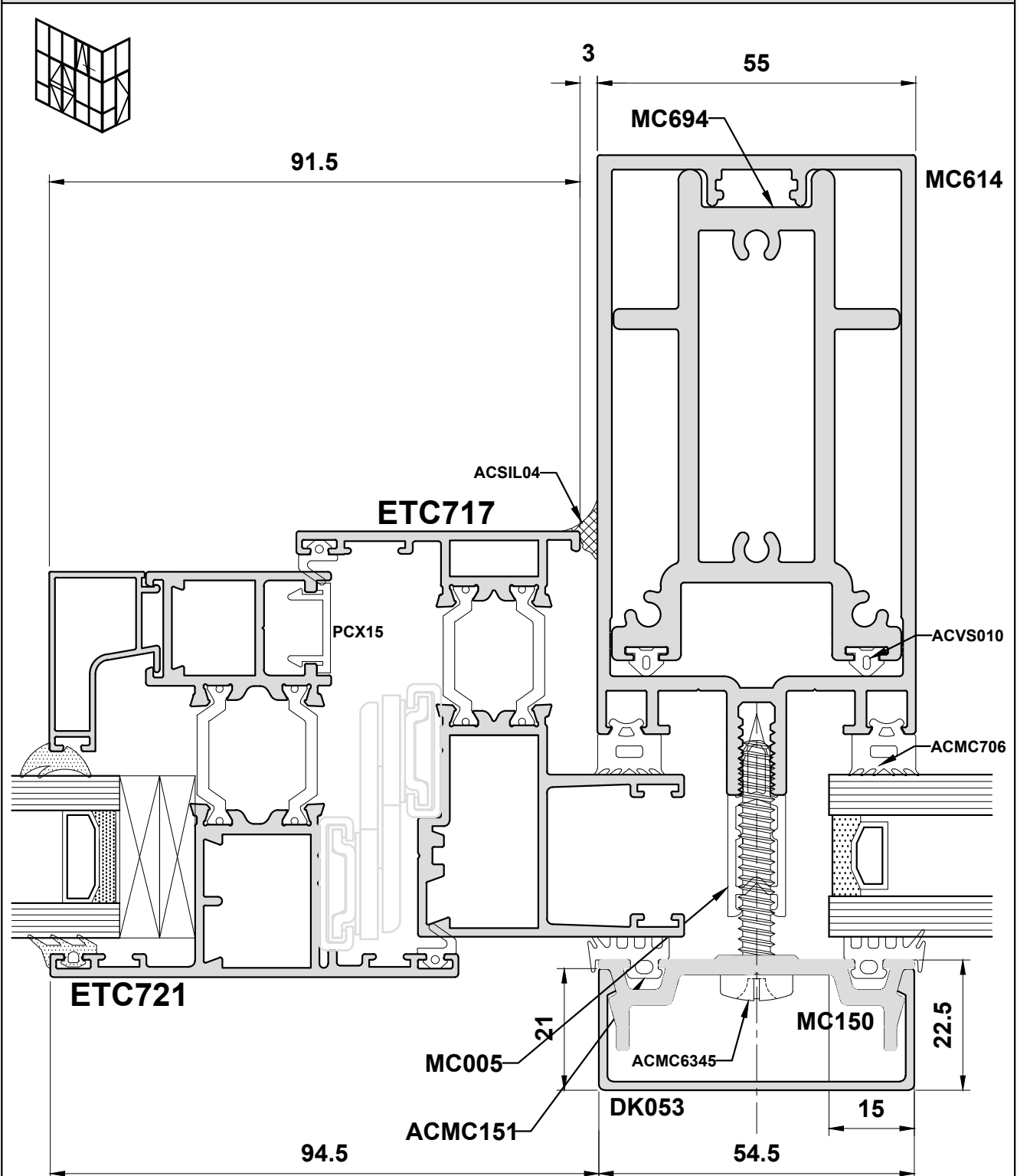
Do Not Scale From This Drawing

Detail 3A - Mullion Detail



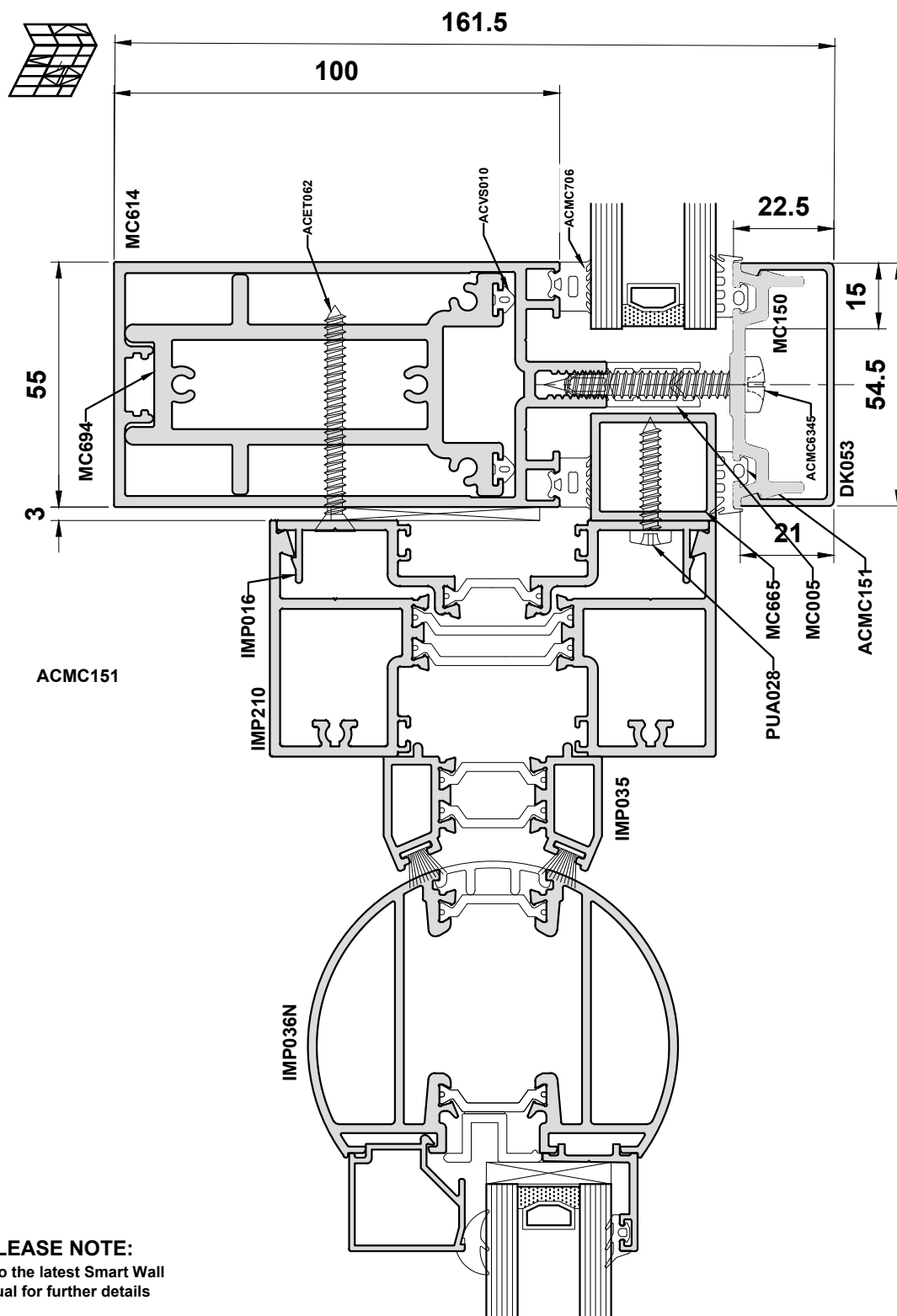
Do Not Scale From This Drawing

Detail 3B - Mullion Detail



Do Not Scale From This Drawing

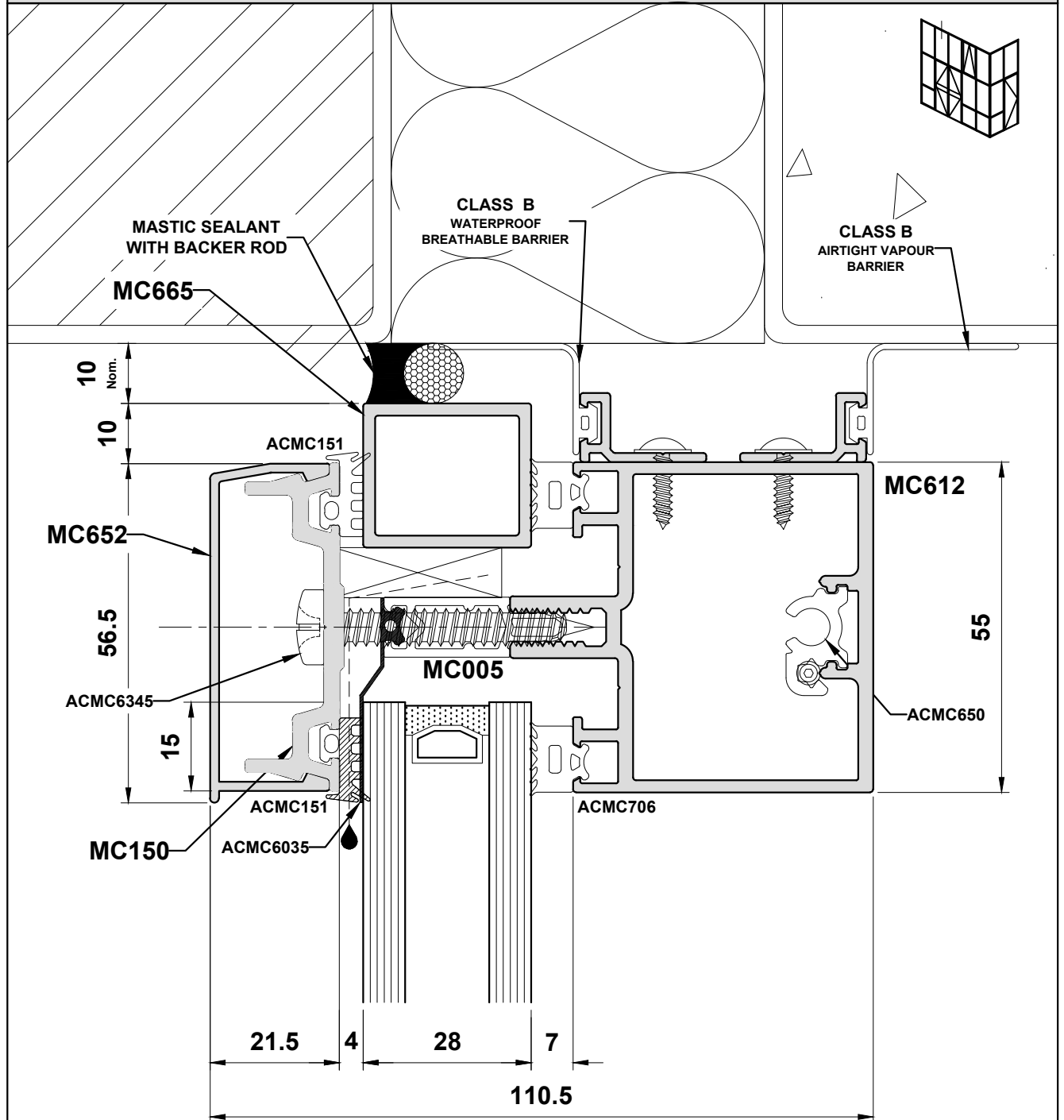
Detail 4A - Mullion with Smart Wall Jamb



NOT TO SCALE

Do Not Scale From This Drawing

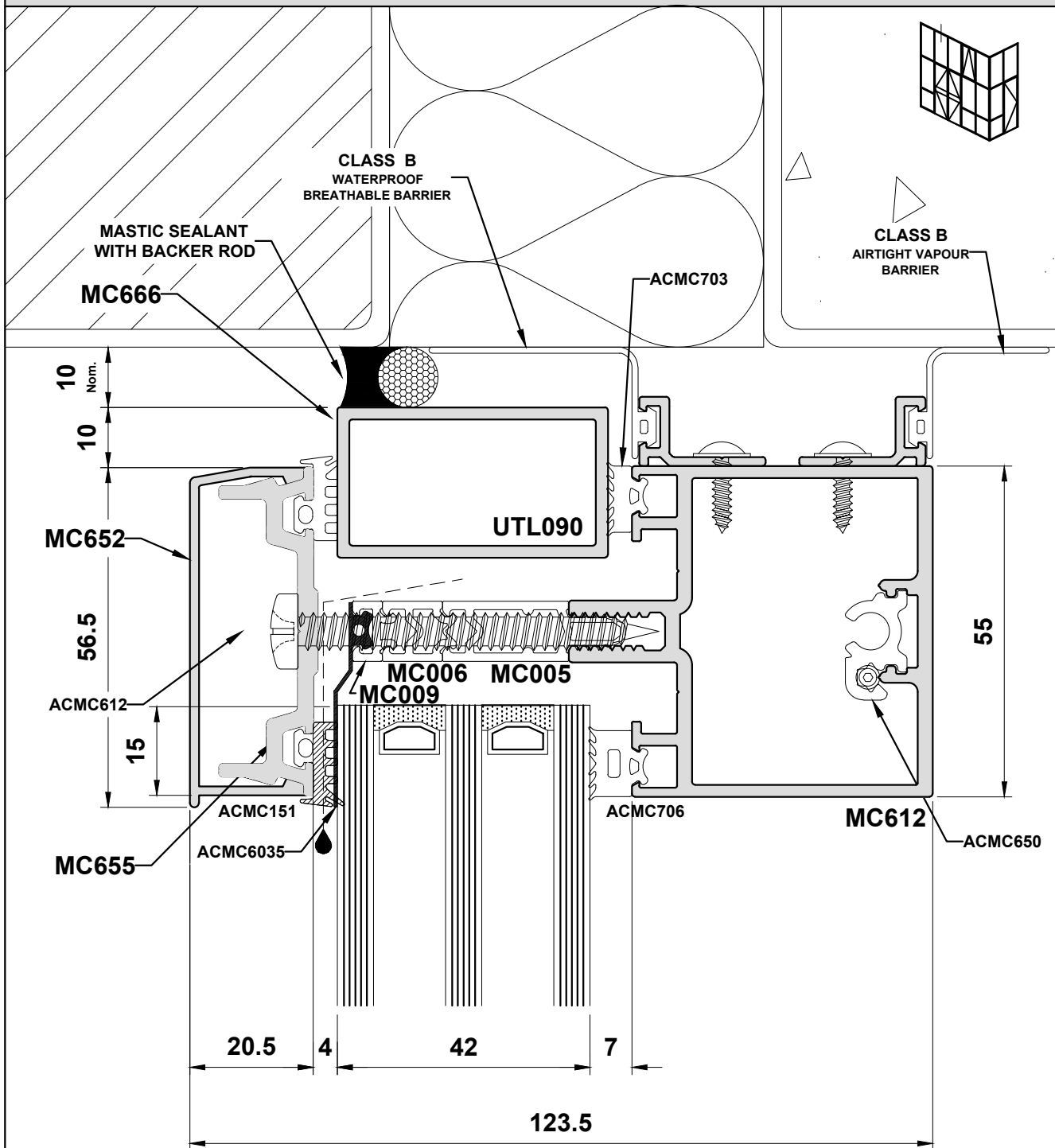
Detail 5A - Top Transom



PLEASE NOTE:
Refer to Section E for further
information on top of mullion fixing

Do Not Scale From This Drawing

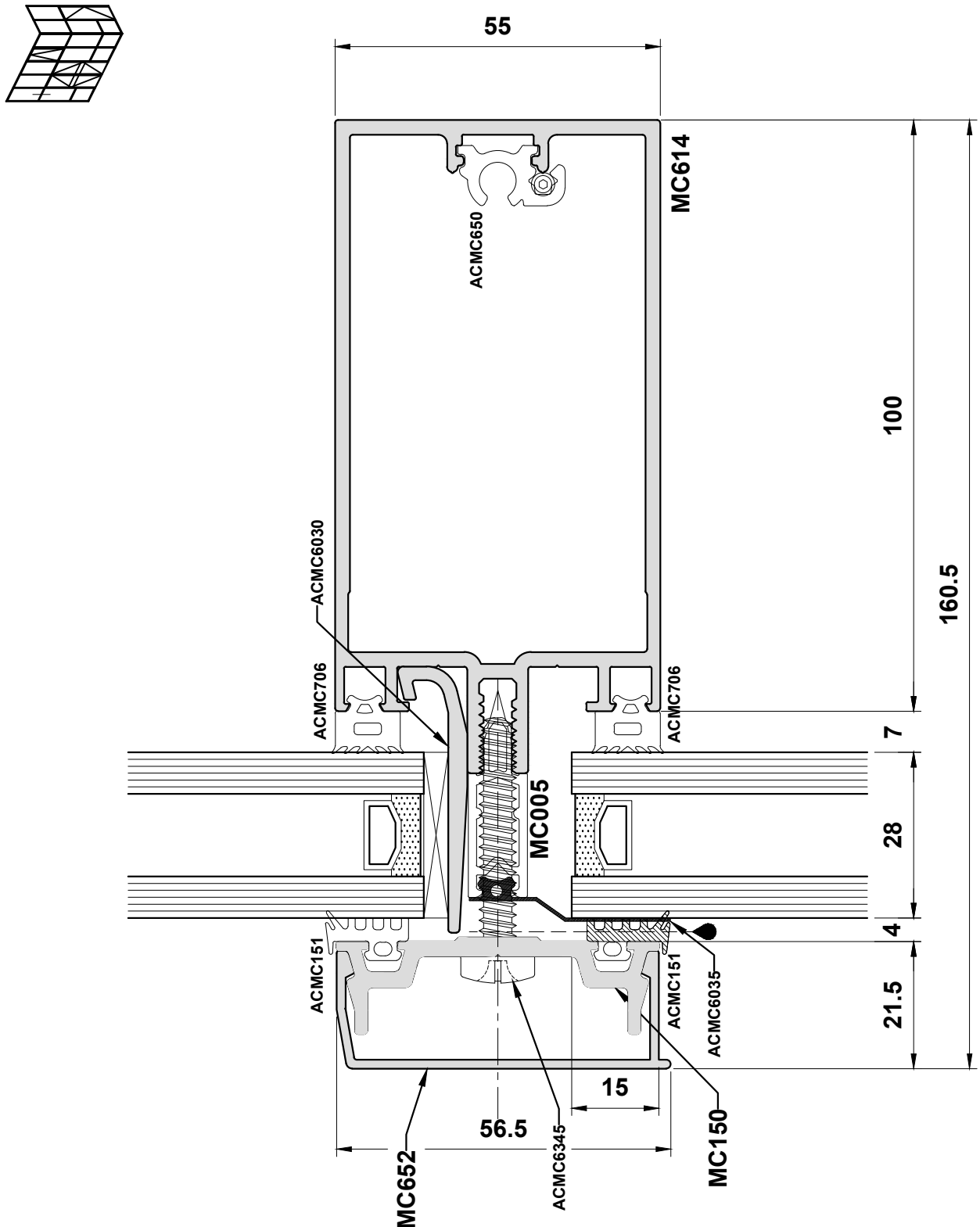
Detail 5B - Top Transom



PLEASE NOTE:
Refer to Section E for further
information on top of mullion fixing

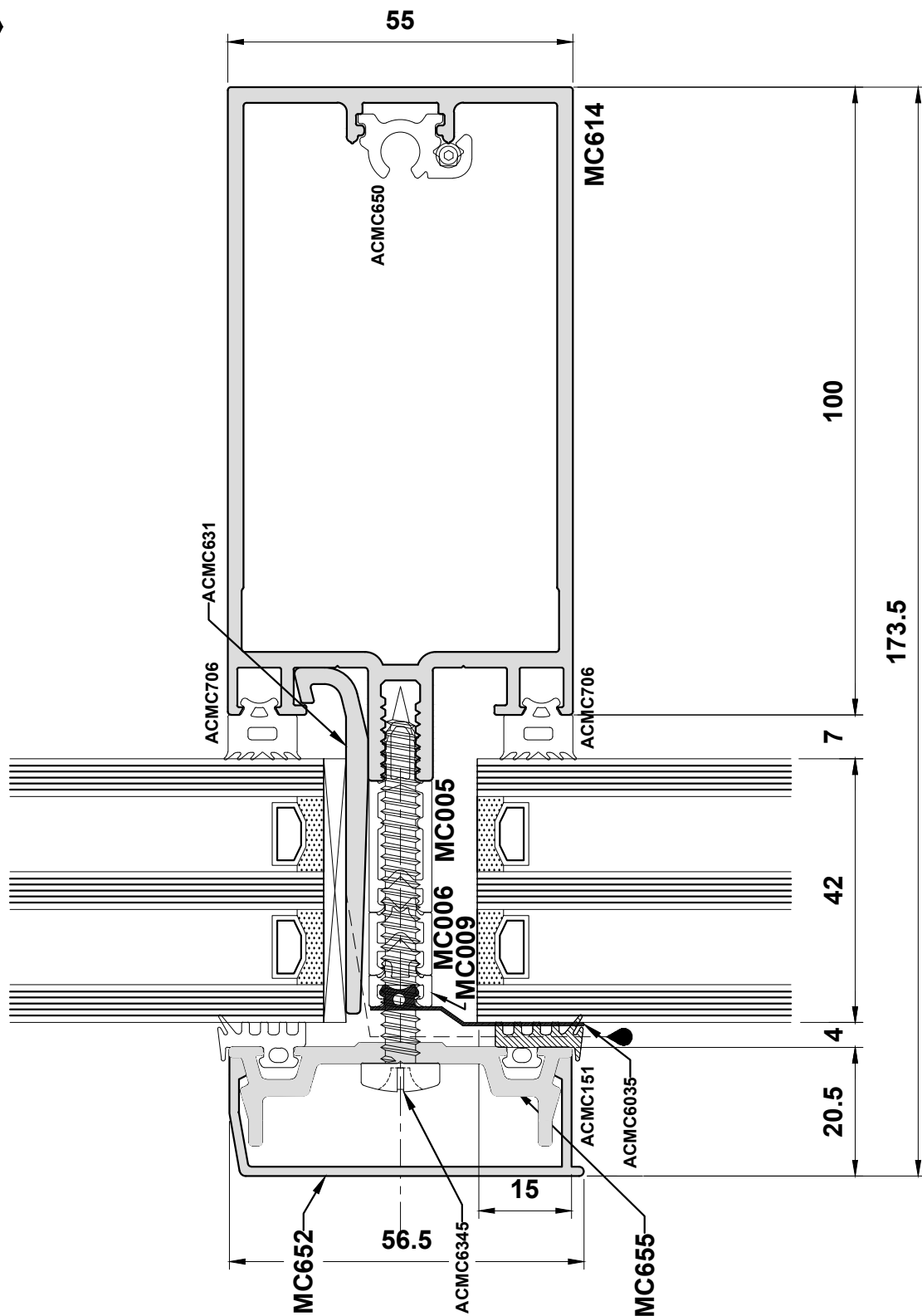
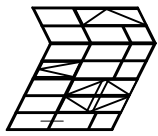
Do Not Scale From This Drawing

Detail 6A - Transom



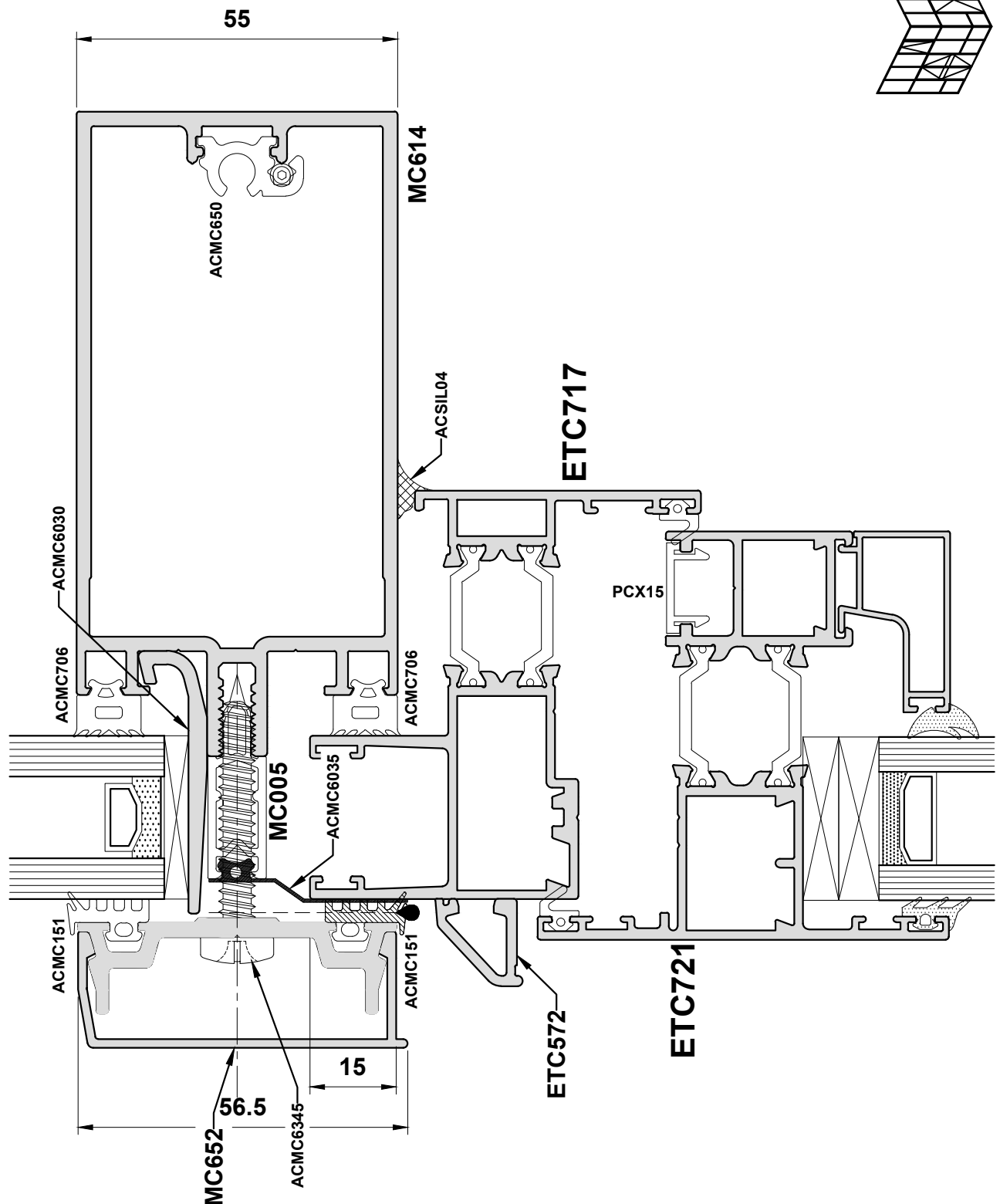
Do Not Scale From This Drawing

Detail 6B - Transom



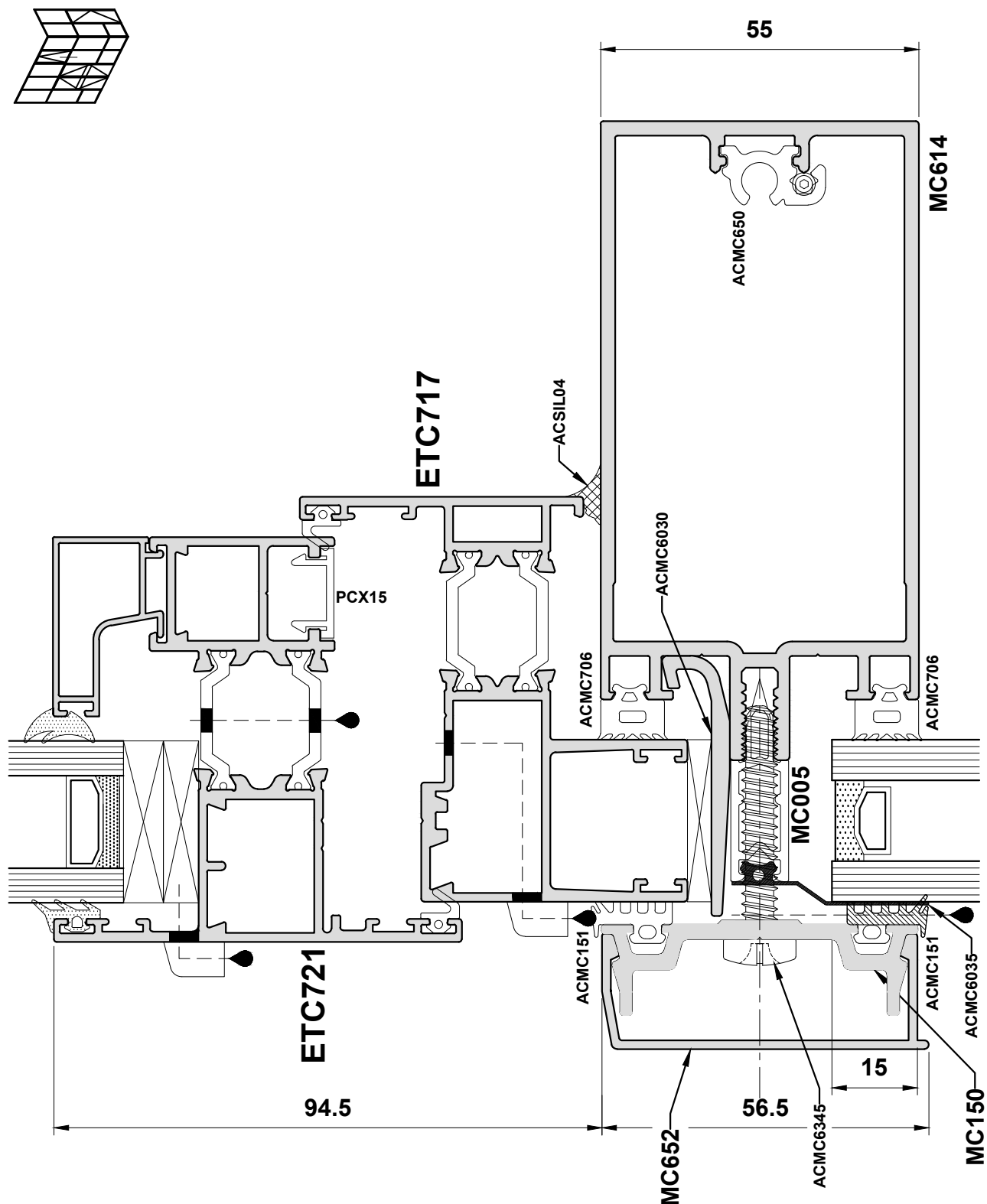
Do Not Scale From This Drawing

Detail 6C - Transom



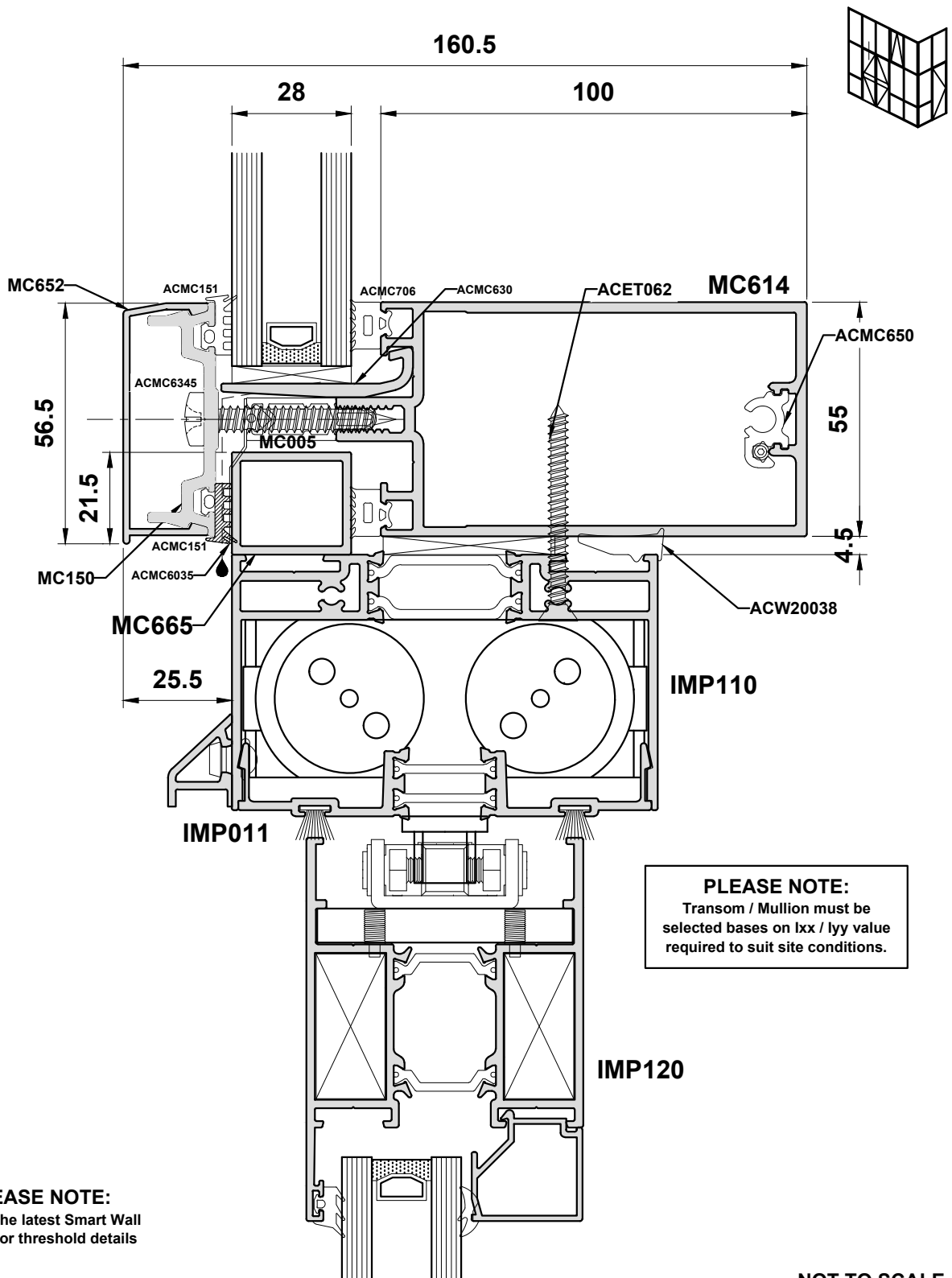
Do Not Scale From This Drawing

Detail 6D - Transom



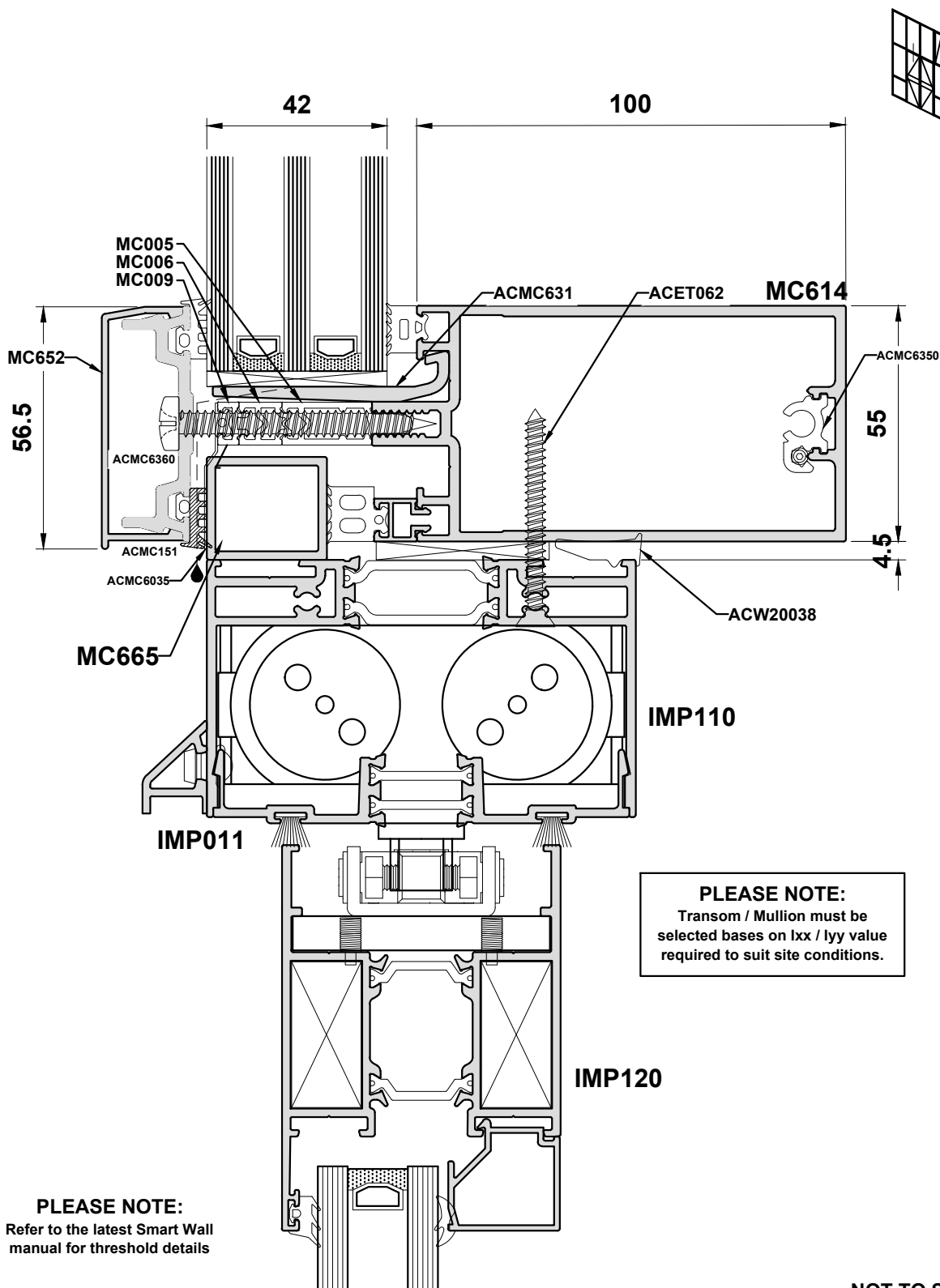
Do Not Scale From This Drawing

Detail 7A - Transom Above Door



Do Not Scale From This Drawing

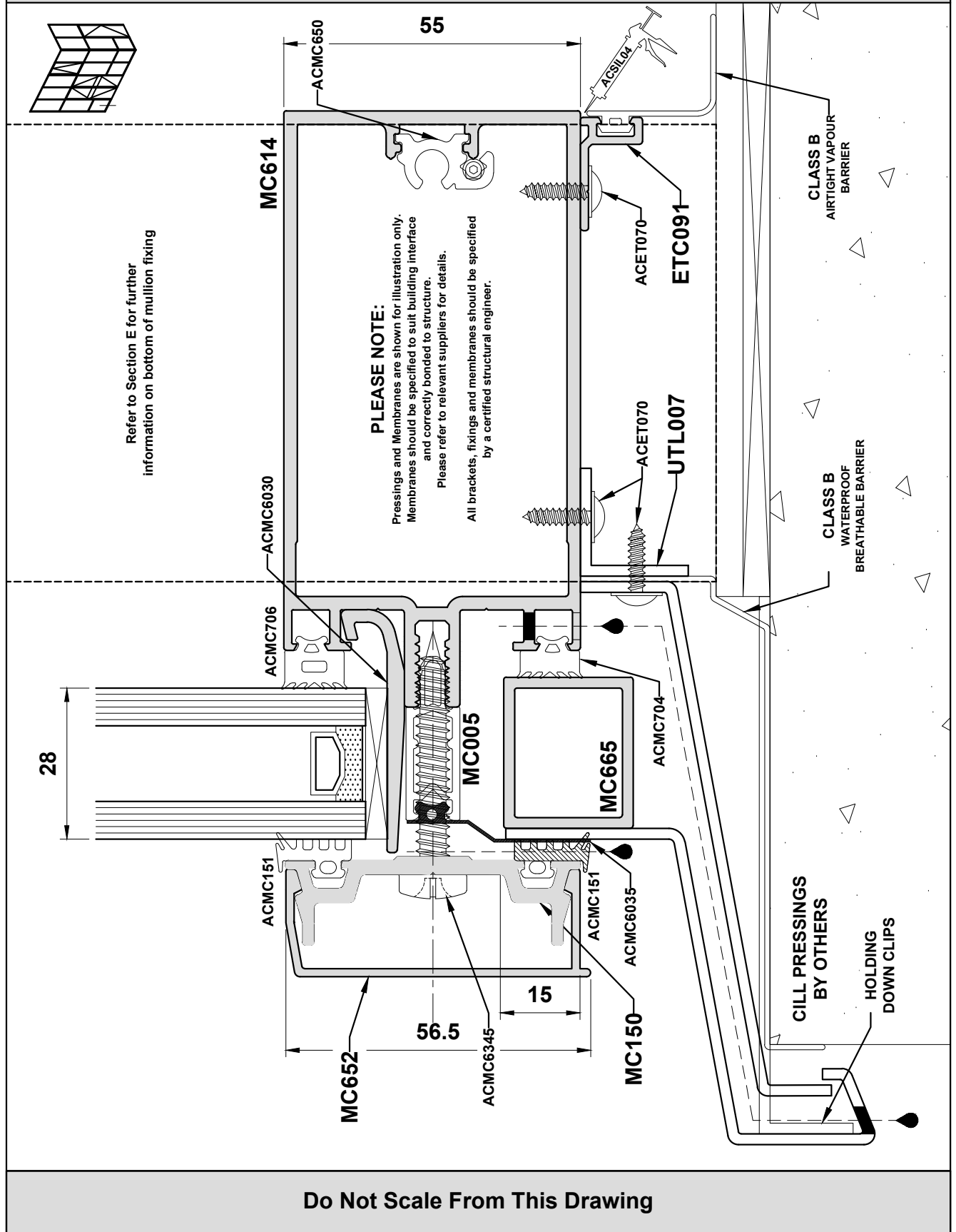
Detail 7B - Transom Above Door



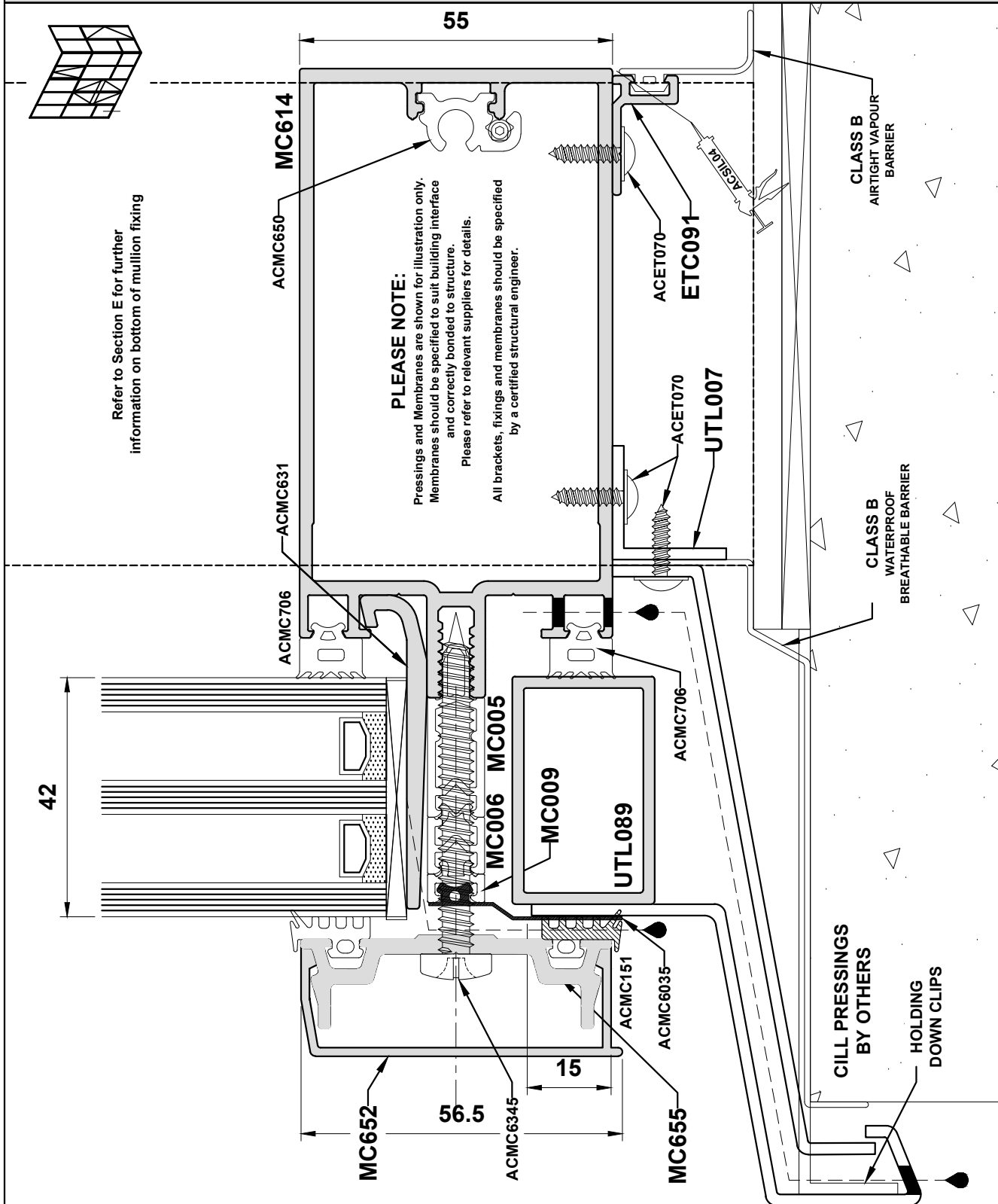
NOT TO SCALE

Do Not Scale From This Drawing

Detail 8A - Cill

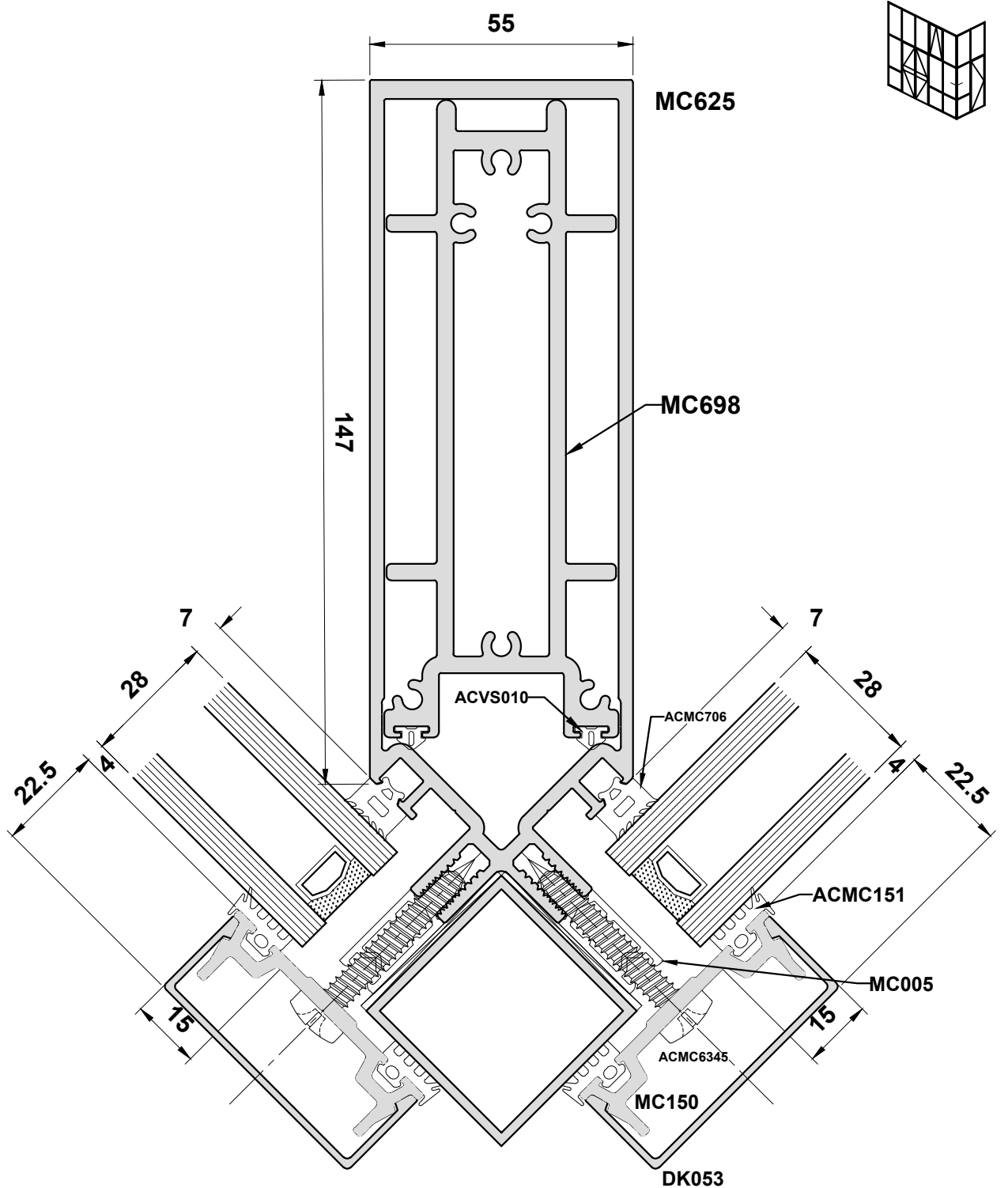


Detail 8B - Cill



Do Not Scale From This Drawing

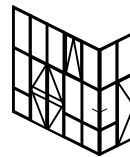
Detail 10A - 90° Corner



NOT TO SCALE

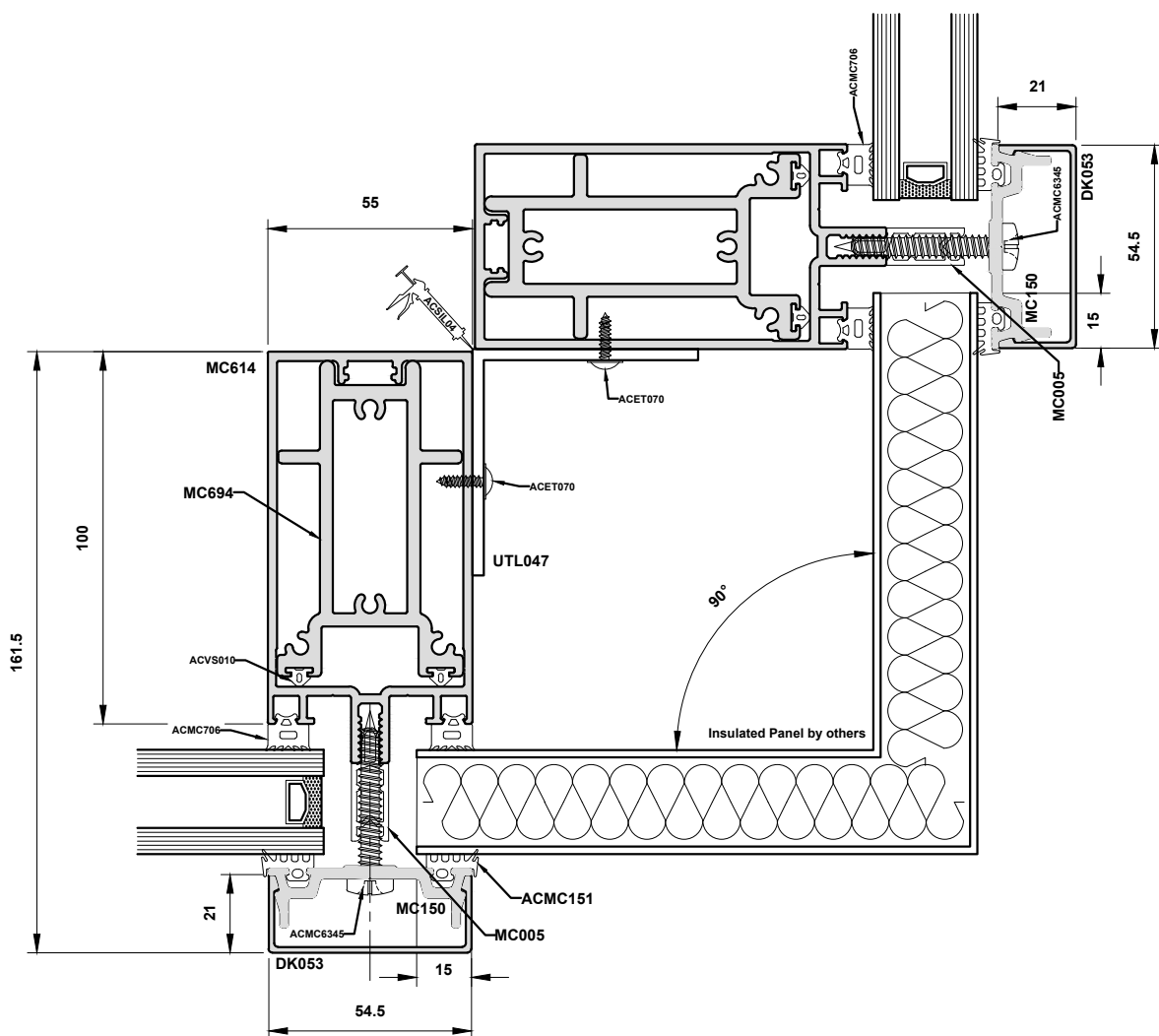
Do Not Scale From This Drawing

Detail 10B - 90° Corner



PLEASE NOTE:

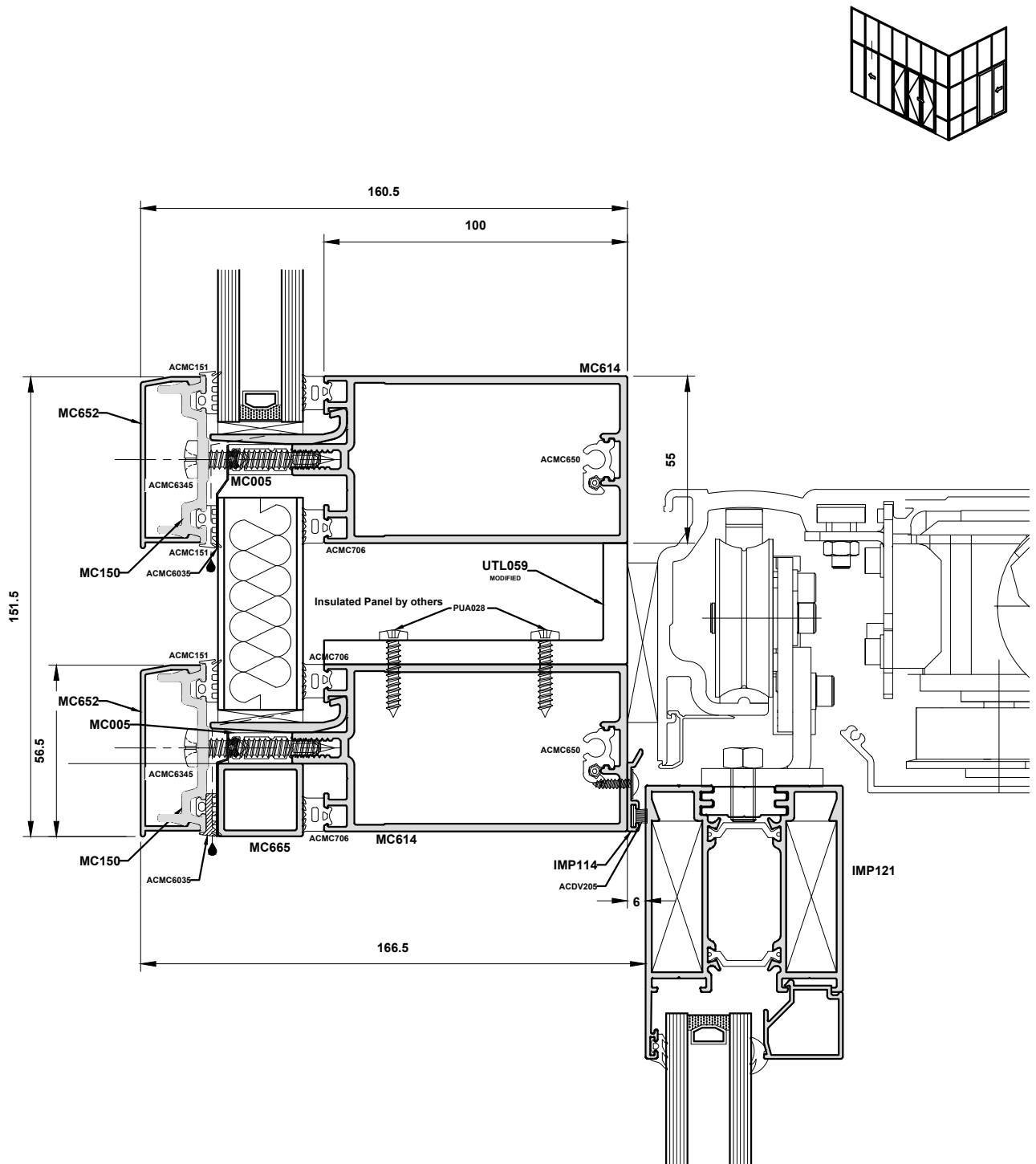
Brackets and Fixing shown are for illustration only.
Brackets and Fixings should be specified by a
structural engineer.



NOT TO SCALE

Do Not Scale From This Drawing

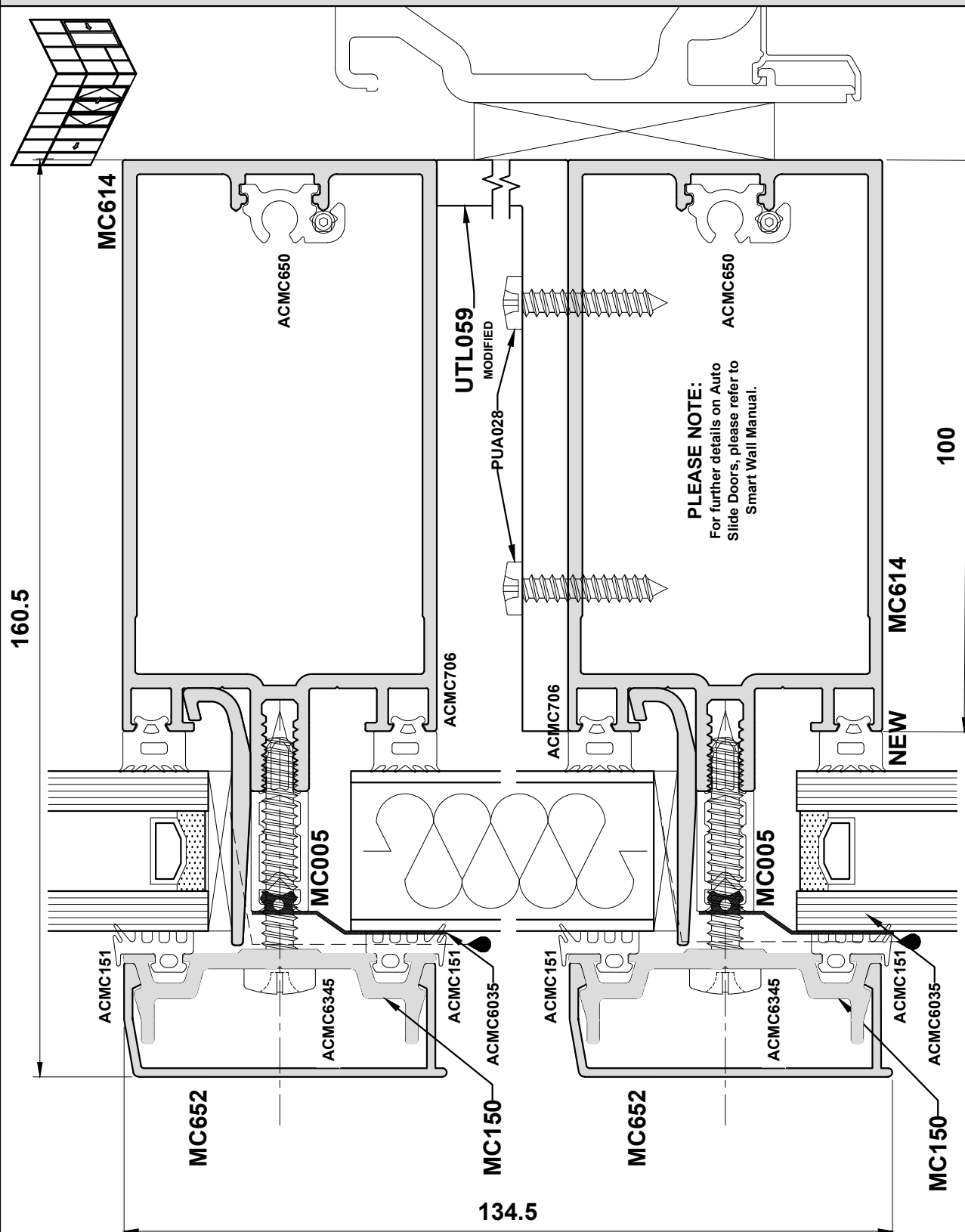
Detail 11 - Auto Sliding Door Head



PLEASE NOTE:
For further details on Auto
Slide Doors, please refer to
Smart Wall Manual.

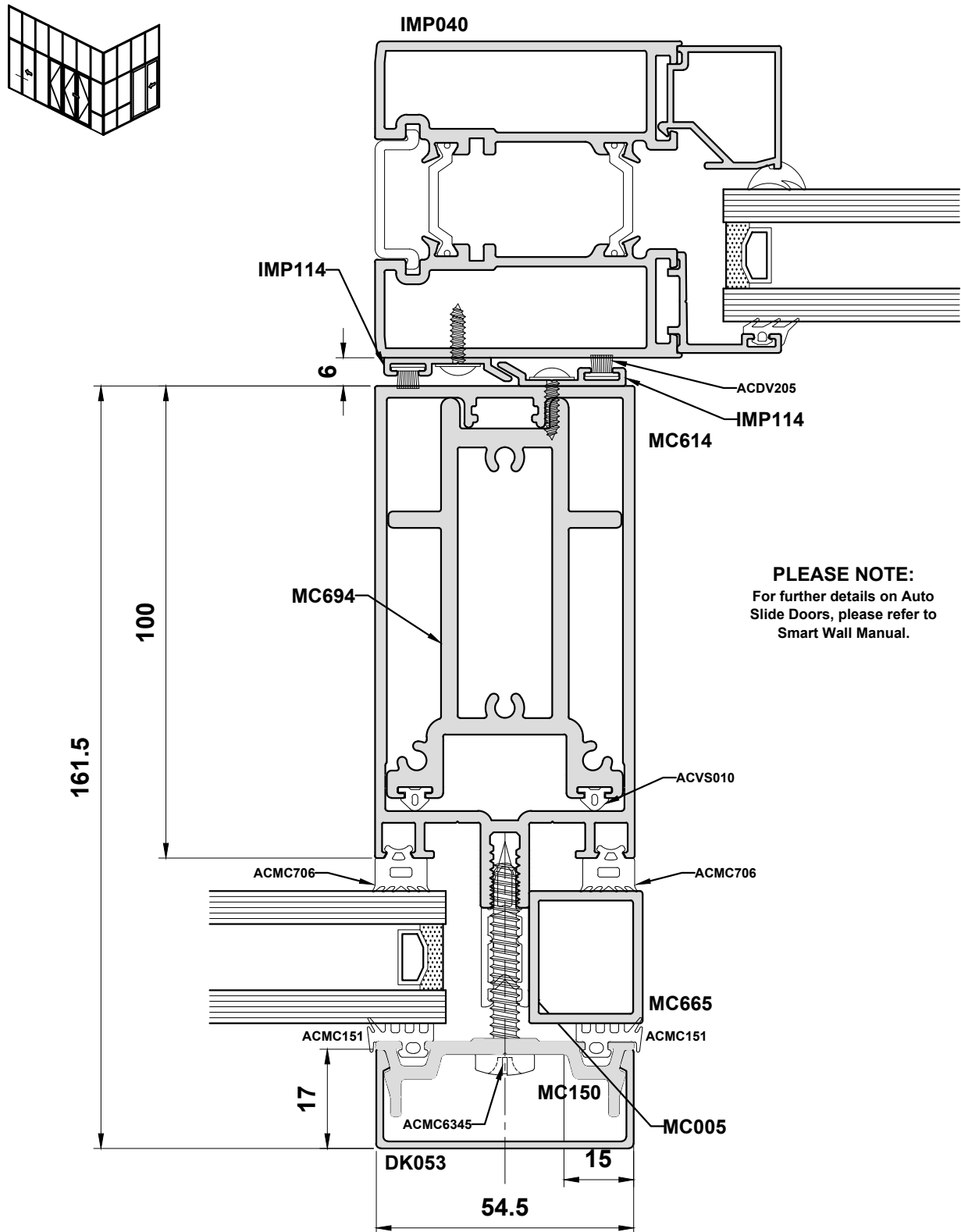
Do Not Scale From This Drawing

Detail 12 - Auto Sliding Door Head



Do Not Scale From This Drawing

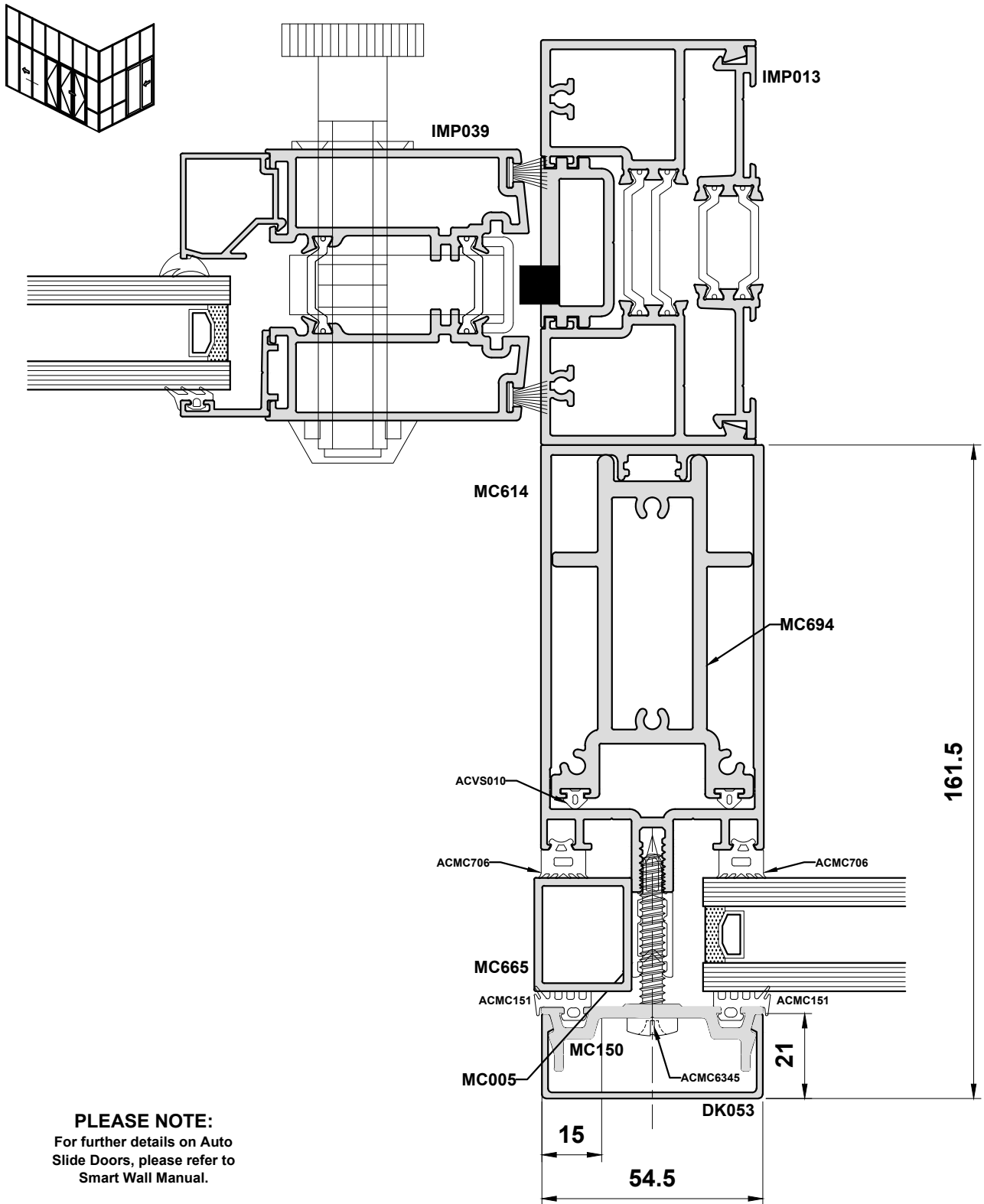
Detail 13 - Auto Sliding Door Stile



NOT TO SCALE

Do Not Scale From This Drawing

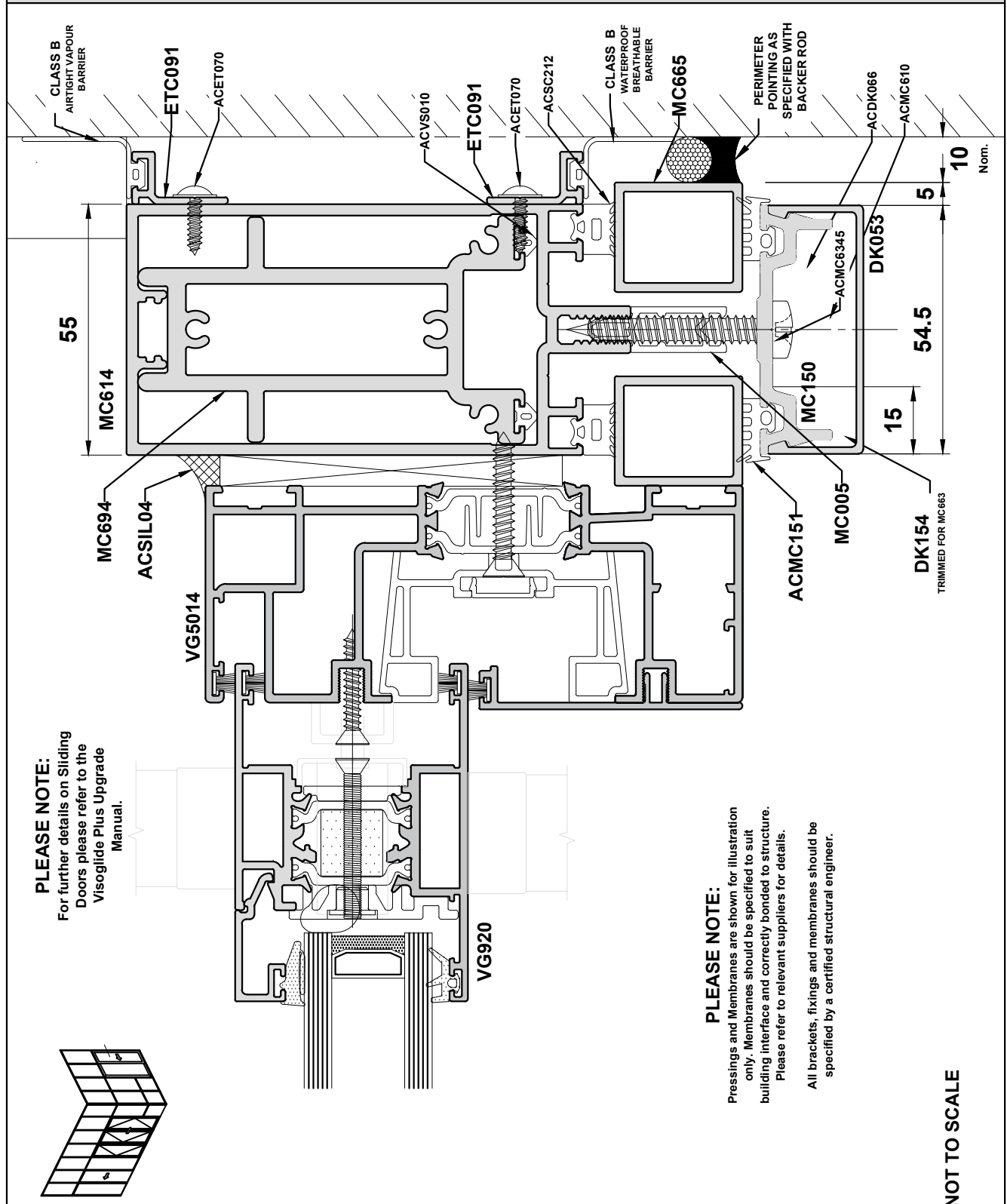
Detail 14 - Auto Sliding Door Stile



NOT TO SCALE

Do Not Scale From This Drawing

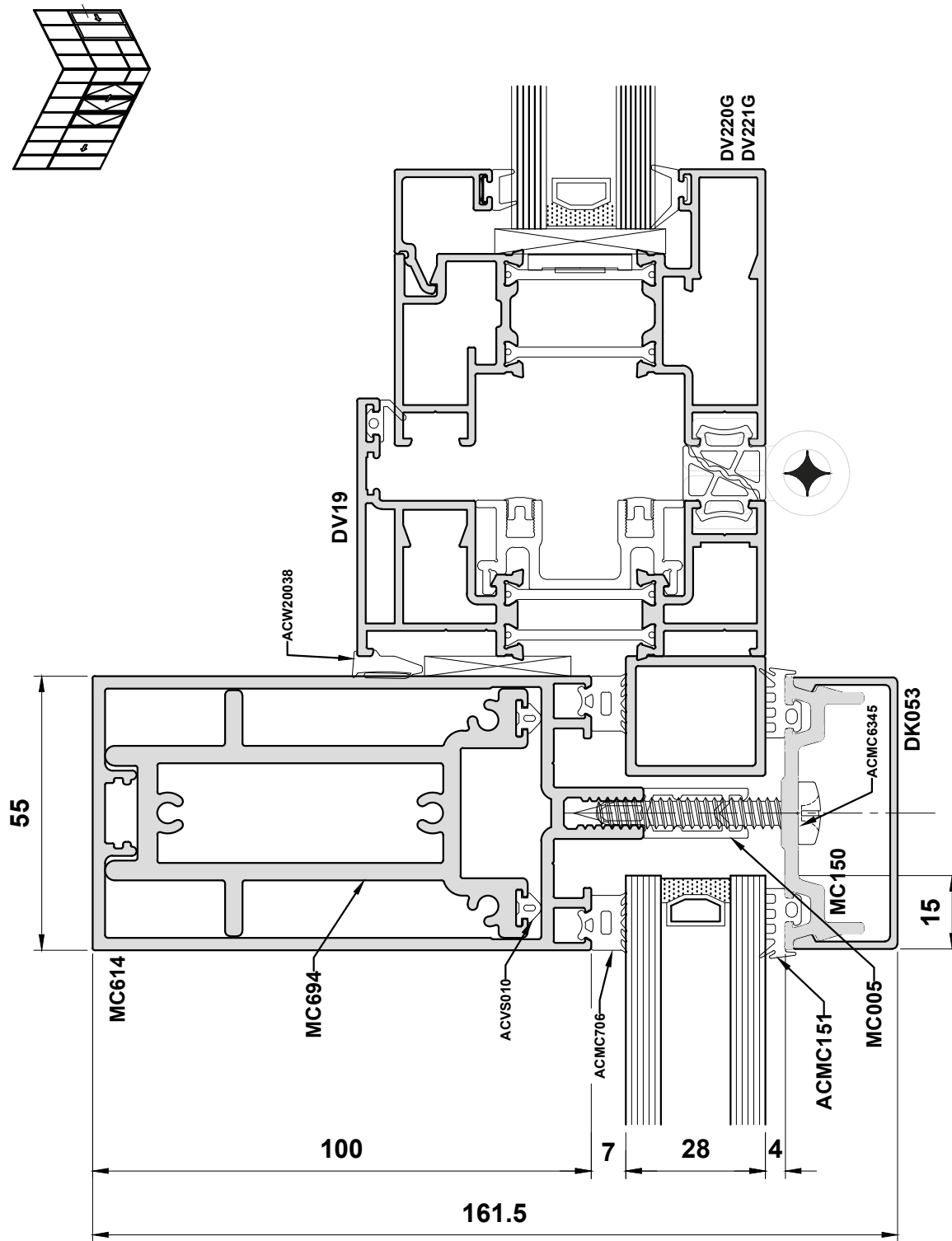
Detail 16 - Visoglide Plus Jamb



Do Not Scale From This Drawing

Detail 18 - Visofold 1000 Jamb

PLEASE NOTE:
For further details on Bi Fold
Doors please refer to the
Visofold 1000 Manual.



NOT TO SCALE

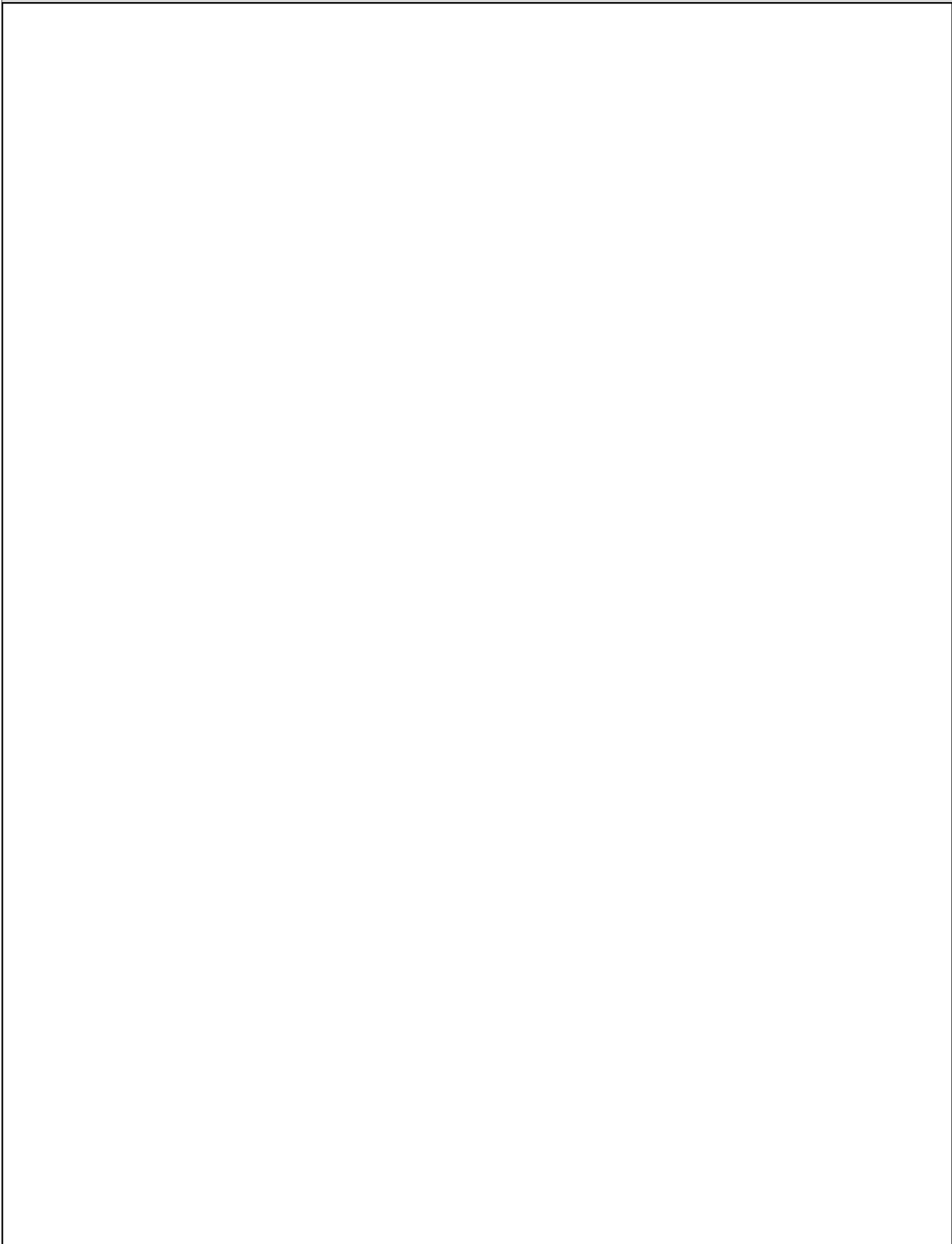
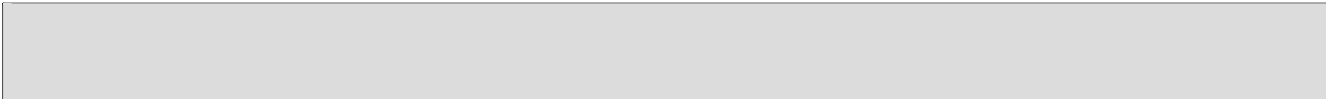
Do Not Scale From This Drawing

Section D

Statics

General Size Limitations are shown on Page A02.

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



Statics

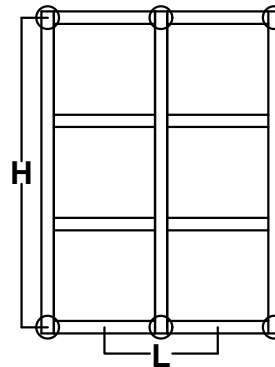
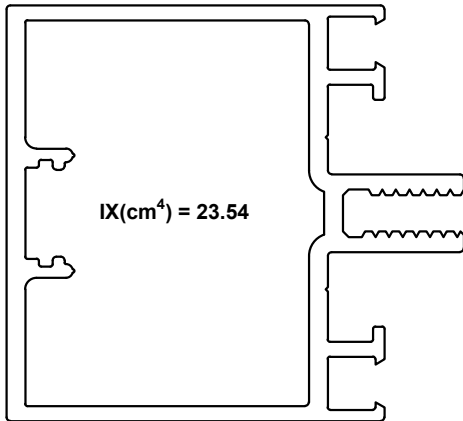
Important Note

The selection of suitable mullions and transoms with suitable i_{xx}/i_{yy} values shall be based on the design wind load of the structure based on criteria including location; exposure; average wind speeds etc. The following pages will assist with the selection of suitable mullions and transoms. For specific details regarding wind loading limitations or further advice, please contact our Technical Department.

Do Not Scale From This Drawing

MC612 Technical Specification

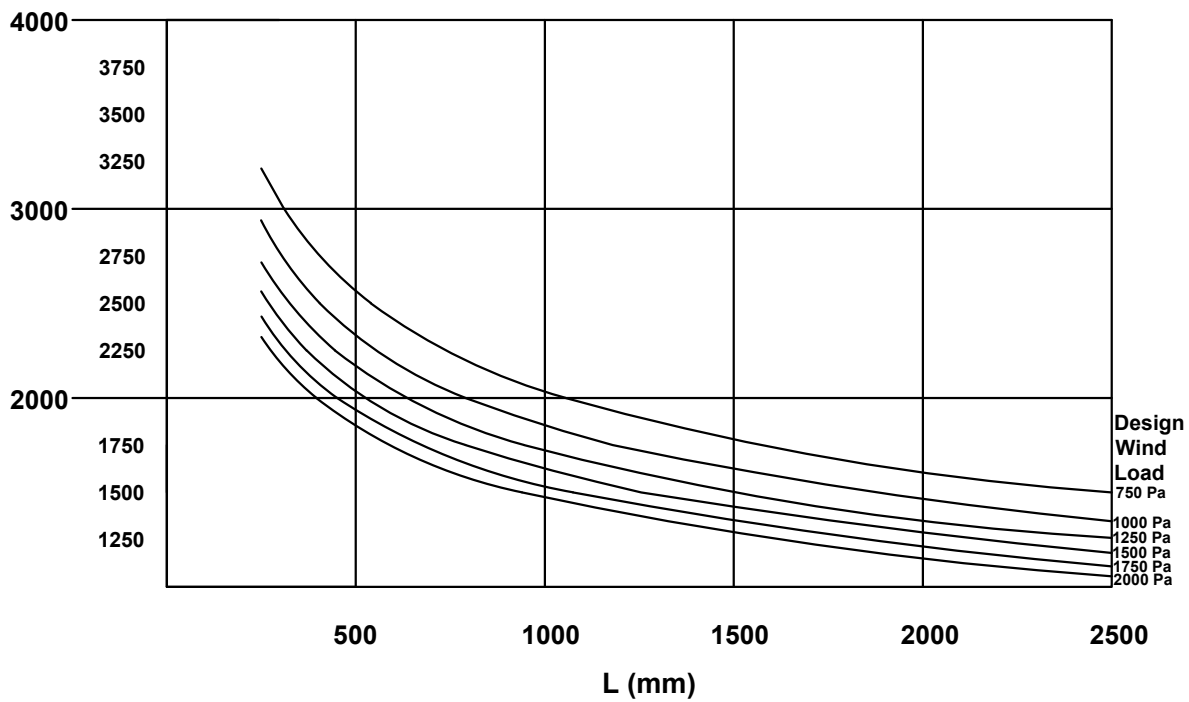
MC612
Scale 1:1



- = Fixing Bracket
- H** = Unsupported Span
- L** = Transom Centres

H (mm)

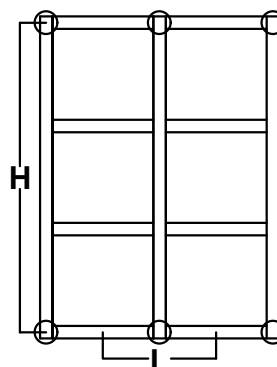
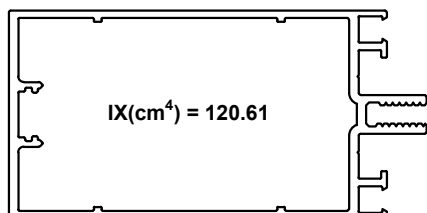
MC612 MC613



Do Not Scale From This Drawing

MC614 Technical Specification

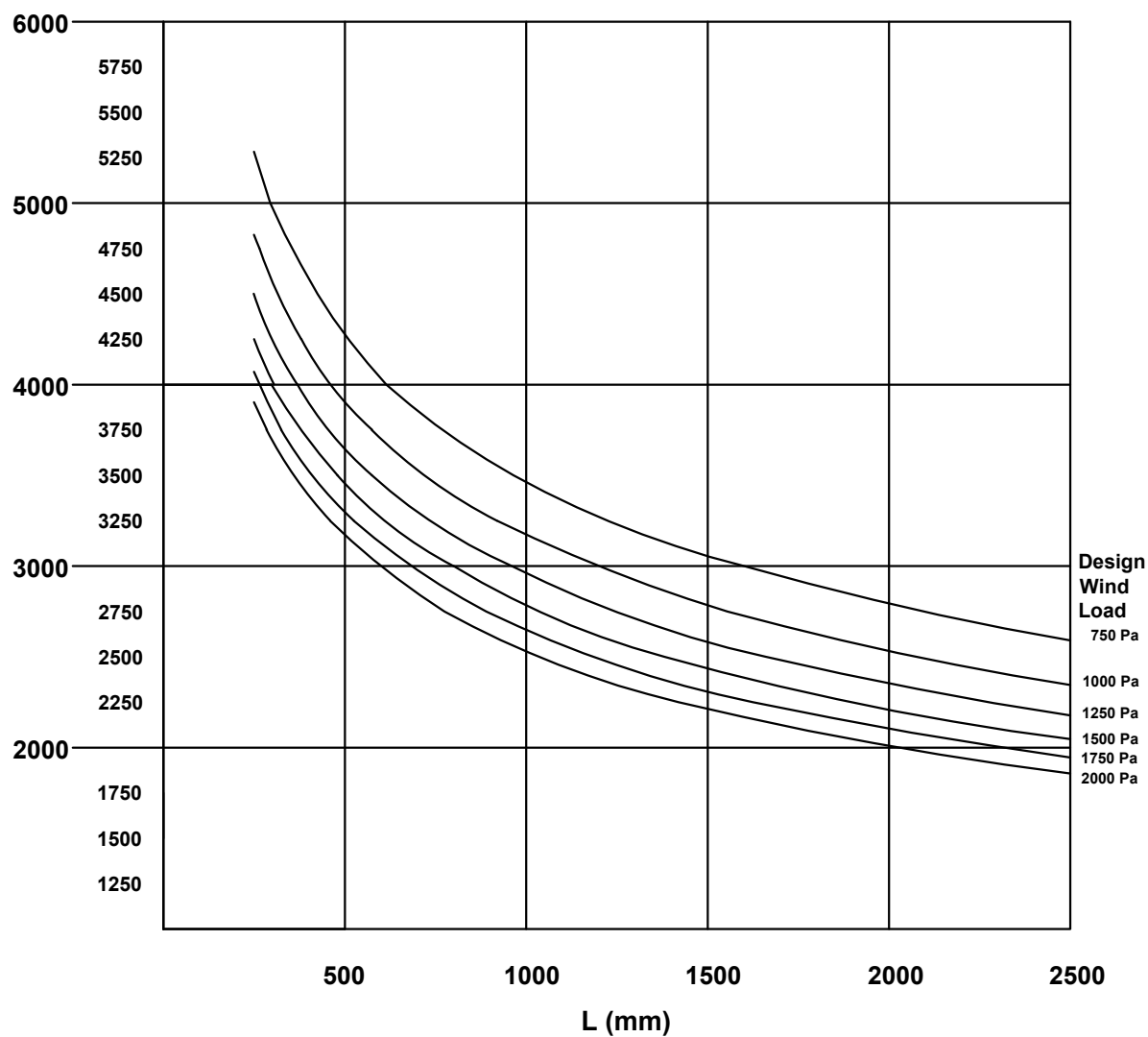
MC614
Scale 1:2



- = Fixing Bracket
- H** = Unsupported Span
- L** = Transom Centres

H (mm)

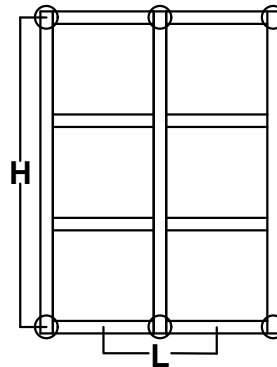
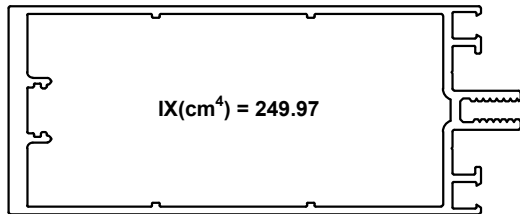
MC614



Do Not Scale From This Drawing

MC616 Technical Specification

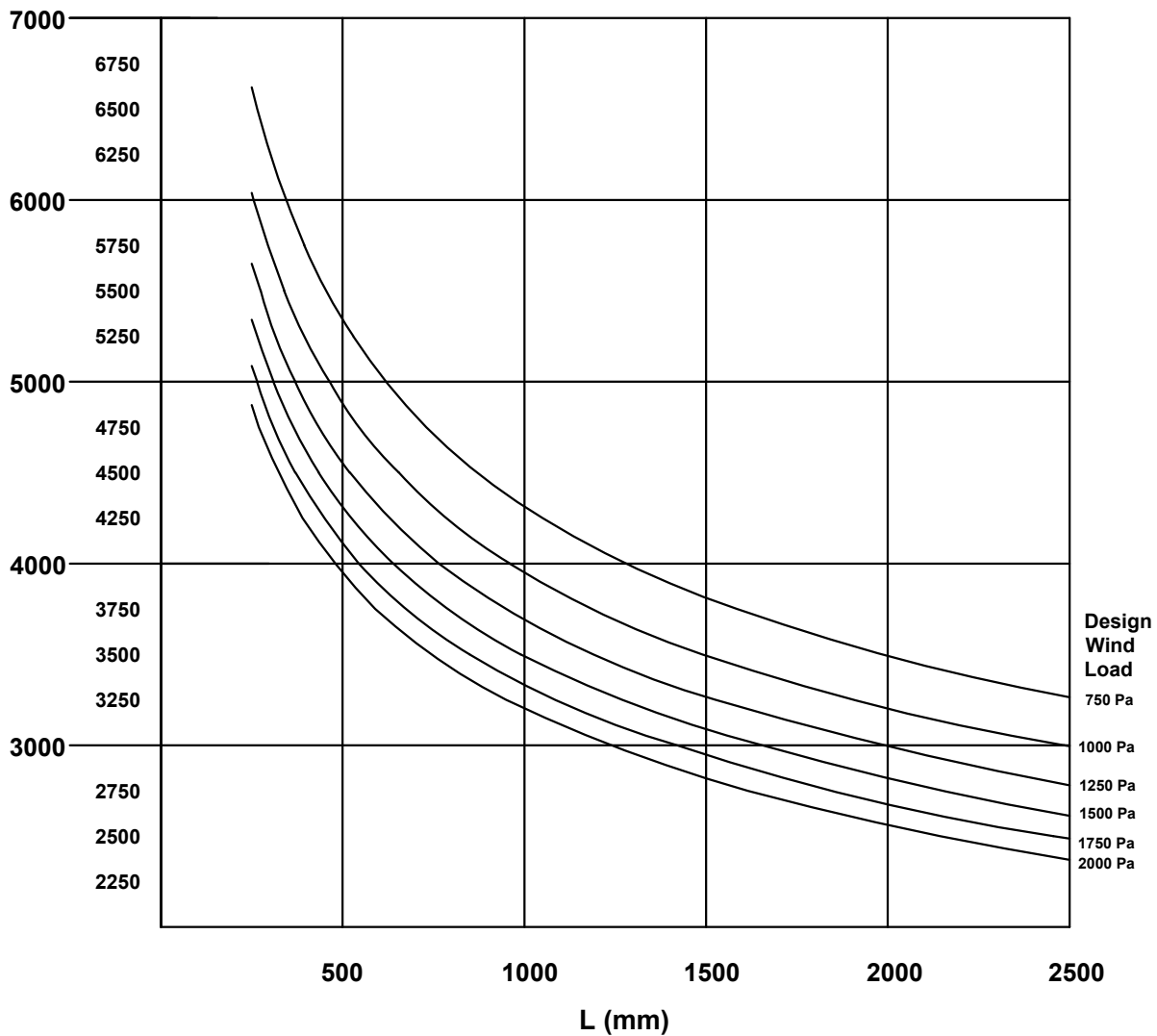
MC616
Scale 1:2



- = Fixing Bracket
- H** = Unsupported Span
- L** = Transom Centres

H (mm)

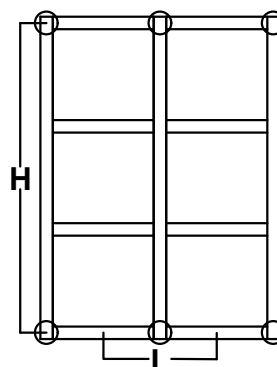
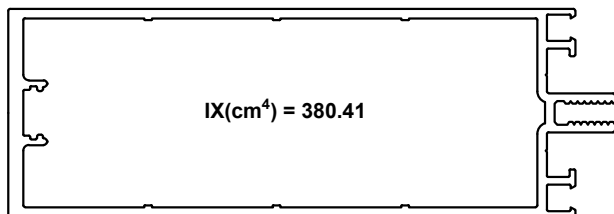
MC616



Do Not Scale From This Drawing

MC618 Technical Specification

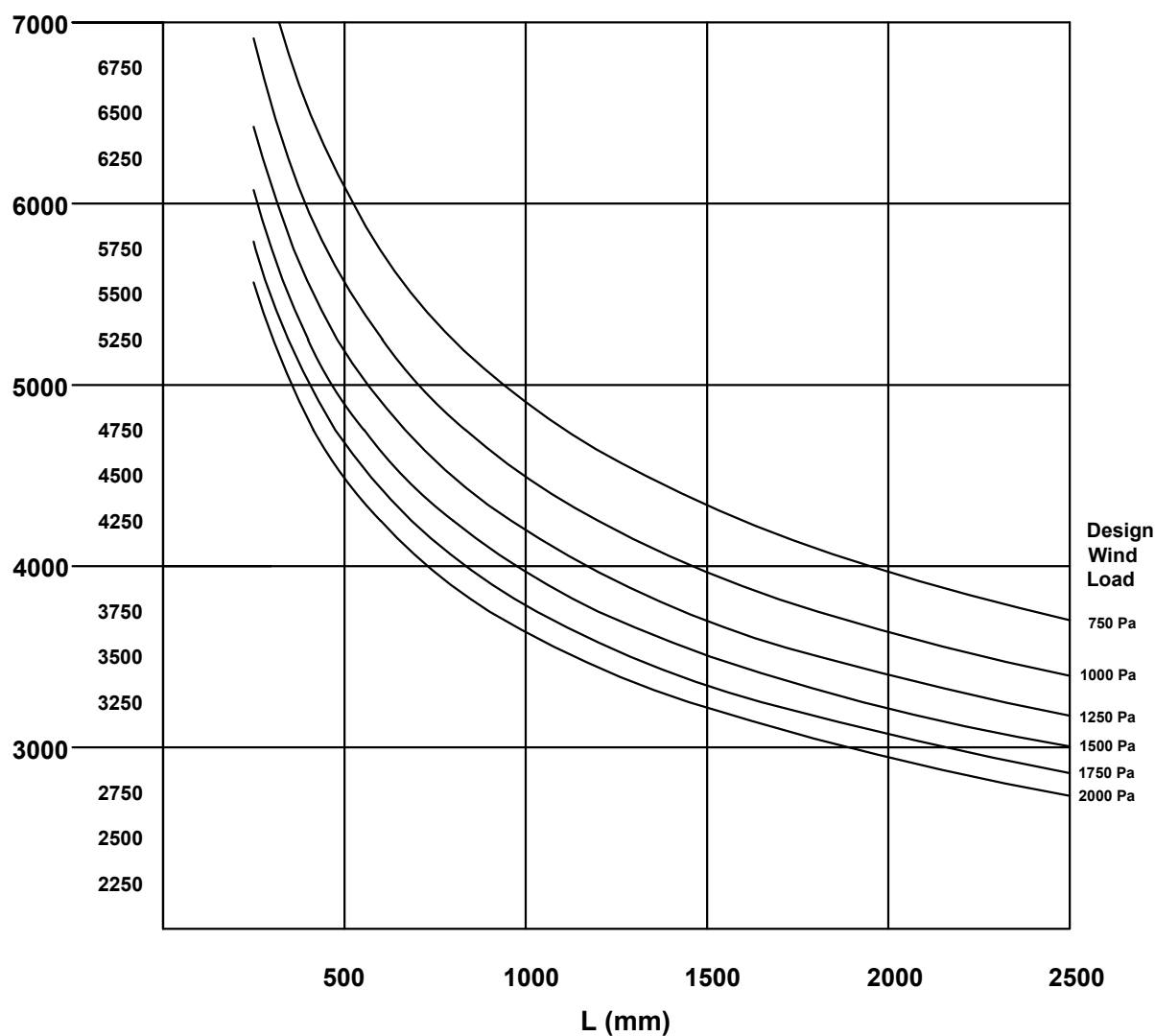
MC618
Scale 1:2



- = Fixing Bracket
- H = Unsupported Span
- L = Transom Centres

H (mm)

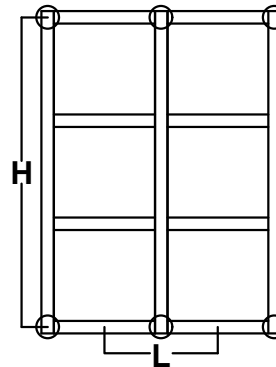
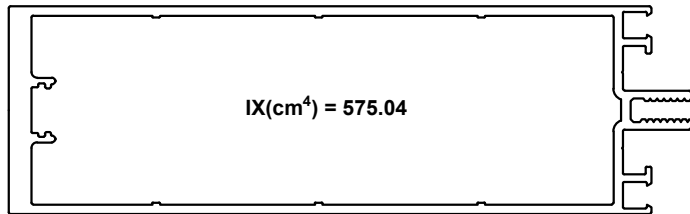
MC618



Do Not Scale From This Drawing

MC619 Technical Specification

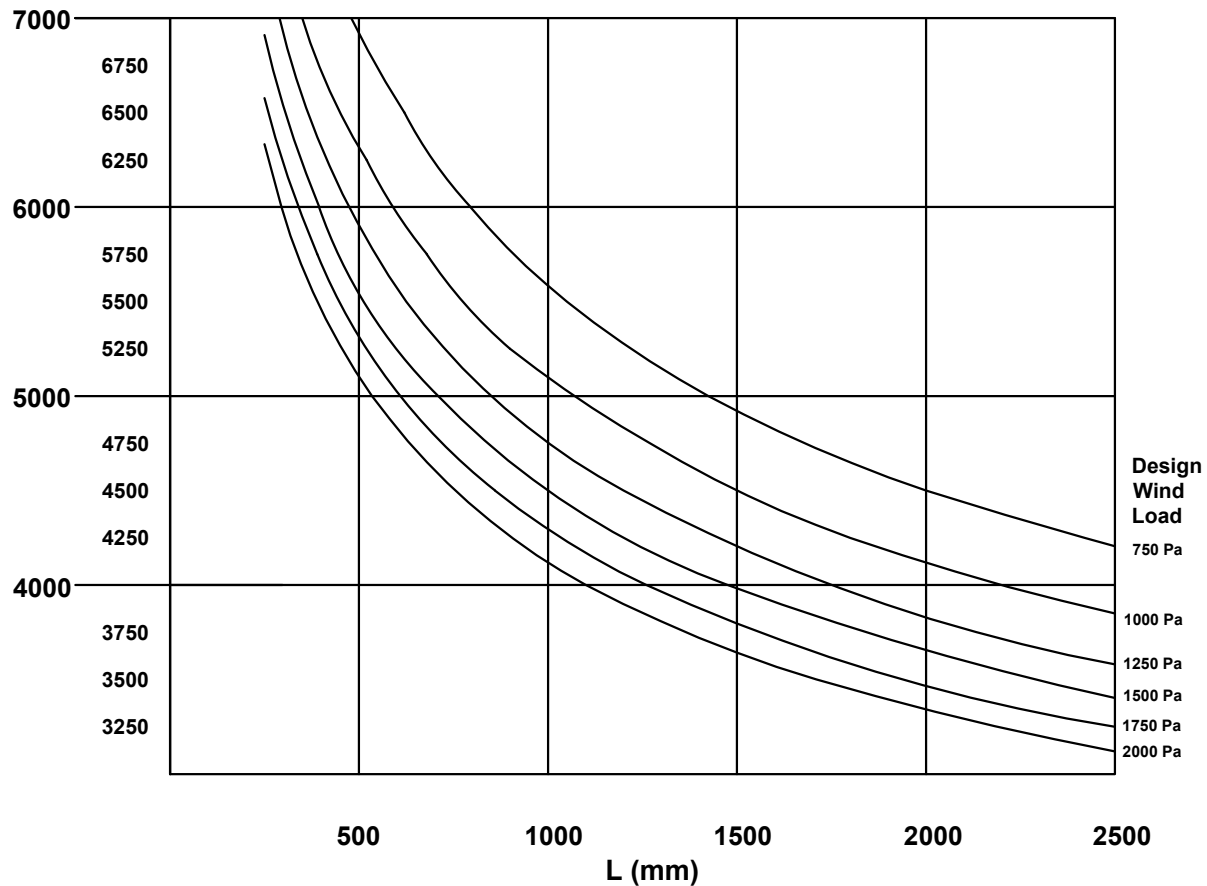
MC619
Scale 1:2



- = Fixing Bracket
- H = Unsupported Span
- L = Transom Centres

H (mm)

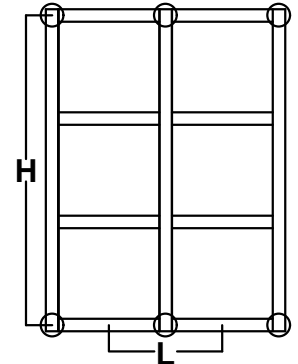
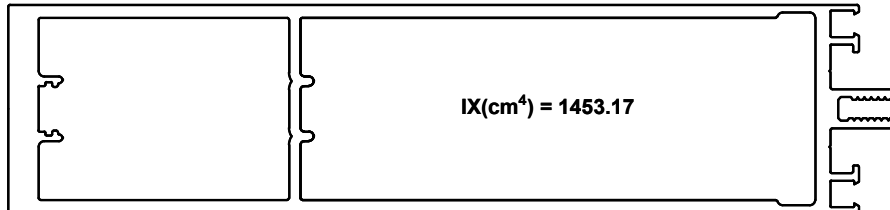
MC619



Do Not Scale From This Drawing

MC620 Technical Specification

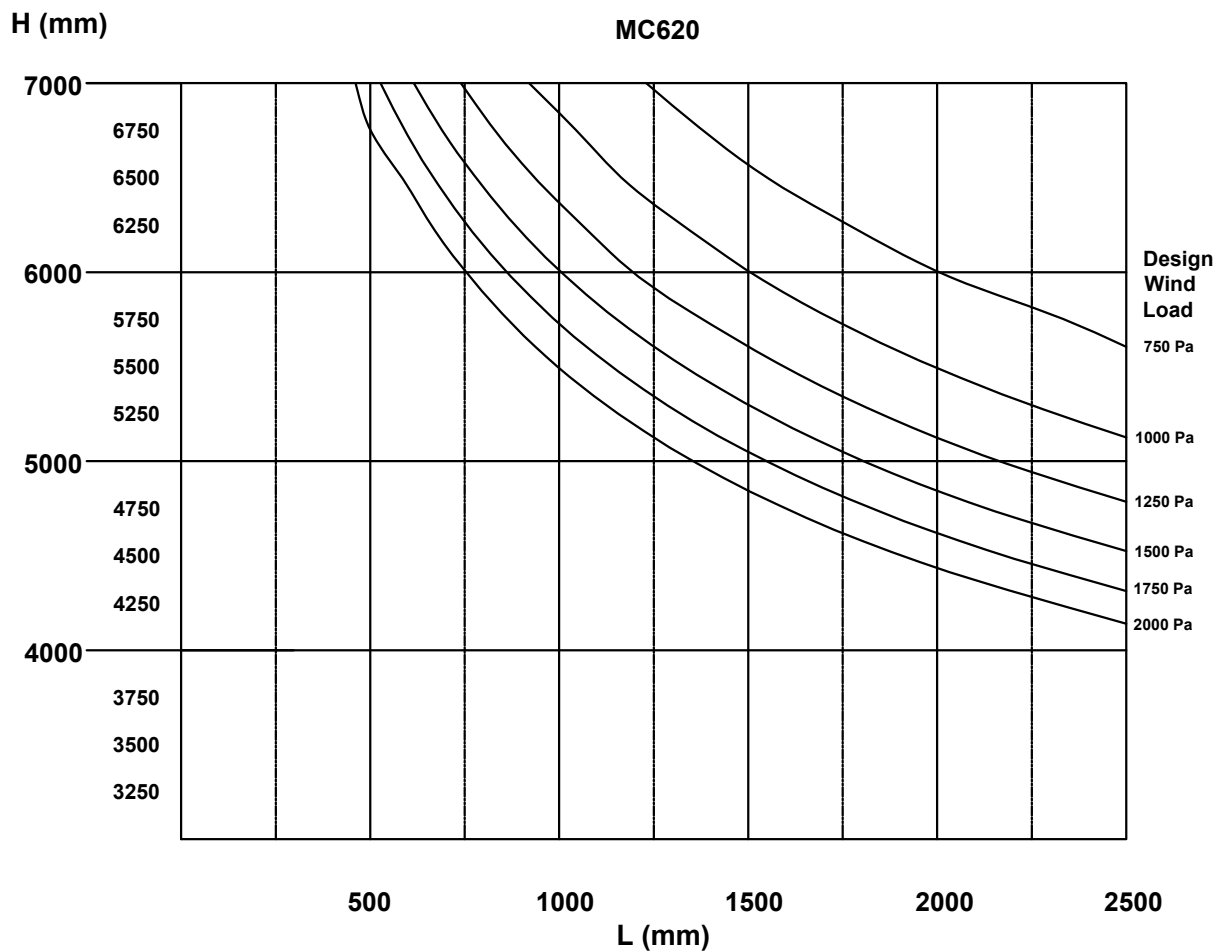
MC620
Scale 1:2



○ = Fixing Bracket

H = Unsupported Span

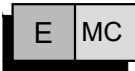
L = Transom Centres



Do Not Scale From This Drawing

Do Not Scale From This Drawing

Section E



Construction Drawings

NHBC Notice.....	E03
Bracket requirements.....	E04
Horizontal Deductions.....	E05
Stick Build Mullion Preparation - ACMC650.....	E06
Stick Build Transom Preparation.....	E07
Stick Build Assembly & Assembly.....	E08 - E10
Drainage & Pressure Equalisation.....	E11
Reinforcing Sleeves.....	E12
Splice Joints.....	E13
Sleeves.....	E14
Raked Head.....	E15
Glazing Details.....	E16

NHBC

Before undertaking any Curtain Wall job, please refer to:

NHBC - Curtain Walling & Cladding - Chapter 6.9

Please note both CWCT and NHBC consider all storey height glazing to be a curtain wall and therefore should be designed as such. Curtain walling cannot be treated in the same way as window and door installations.

The following are requirements in undertaking a Curtain Walling project:

- Full elevation drawings must be produced. These drawings should clearly indicate all perimeter interface details typically showing water / vapour barriers, pressings / trims, fixing brackets / fixings along with any fire stopping that may be required. This is not an exhaustive list as other details may be required to suit specific projects.
- All bracketry and fixings should be backed up by calculations from a structural engineer to confirm suitability and meet site requirements. Also, profiles need to be identified to suit site conditions. These factors include screen sizes, fixing positions, glass weight, barrier loadings & wind loadings.
- It may be a requirement to include for on-site water testing and pull out testing. NHBC would require certification to the CWCT weather test where glazing may span a floor as opposed to a BS6375-1 window / door weather test.

Please also consider acoustic, thermal and structural performance when specifying curtain wall configuration and components.

It would be expected that one or more members of installation teams have been certified by the Systems supplier to demonstrate competence and understanding of the system being installed.

IF IN DOUBT - CONTACT TECHNICAL DEPARTMENT:



01934 876 100
stechnical@smartsystems.co.uk



The latest NHBC documentation can be found at:

<https://nhbc-standards.co.uk/6-superstructure-excluding-roofs/6-9-curtain-walling-and-cladding/>

Do Not Scale From This Drawing

Bracket Requirements

Structural Curtain Wall Brackets

Brackets form the link between the curtain wall and the structure. These are critically important to the safety and serviceability of the wall.

Brackets need to be designed to transfer all the loads from the curtain wall to the structure safely, whilst accommodate tolerances and movement. The screen will depend on the availability of a suitable support structure (tie back positions).

The loads will vary on the size of the screen and the location of the building. Brackets need to be designed to interface with a suitable support structure/building frame. Detail drawings will be required to identify the location and position of any brackets.

Dead loads - Support

The weight of the curtain wall needs to be transferred to the structure.

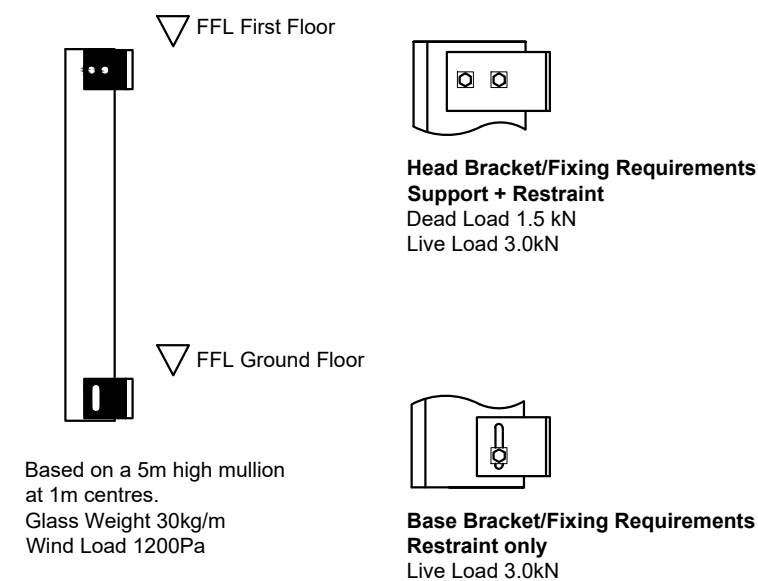
Live Loads - Restraint

Wind loads in the form of negative (suction) or positive pressures are usually the dominant load case.

Brackets and fixings on curtain wall are structural and must be designed to relevant structural codes.

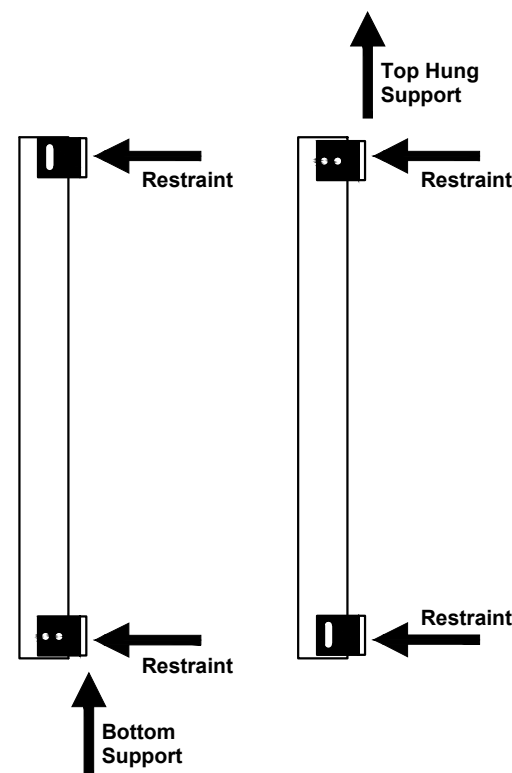
BS8118. Structural Use of Aluminium

Typical Load Requirements



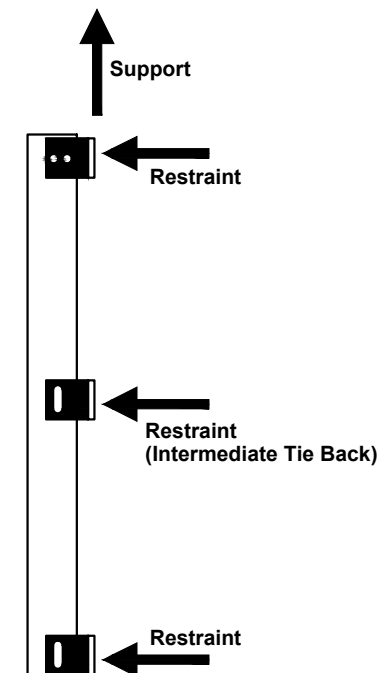
Single Span

For single span there are two possible arrangements of these fixings for a single storey mullion. The top hung arrangement is more common but the bottom supported arrangement may be used, particularly for low rise construction.



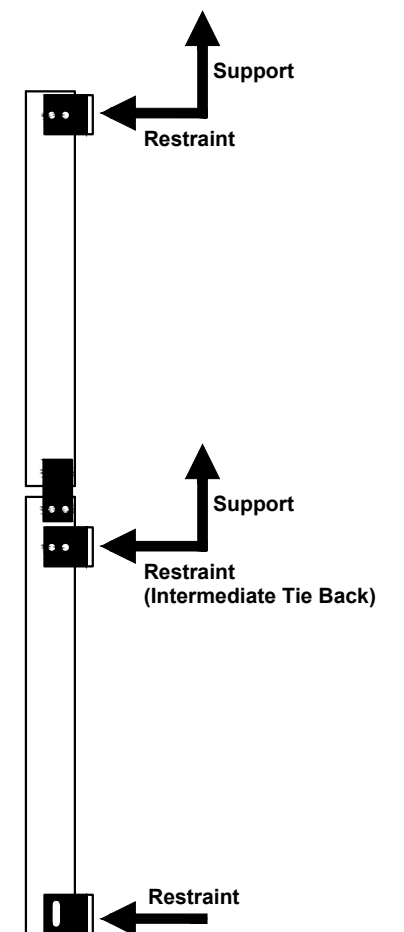
Multiple Tie Back

Where mullions span more than one storey, restraint fixings are usually provided at intermediate floors. By providing mid point tie back restraints the required mullion strength may be reduced.



Multiple Span

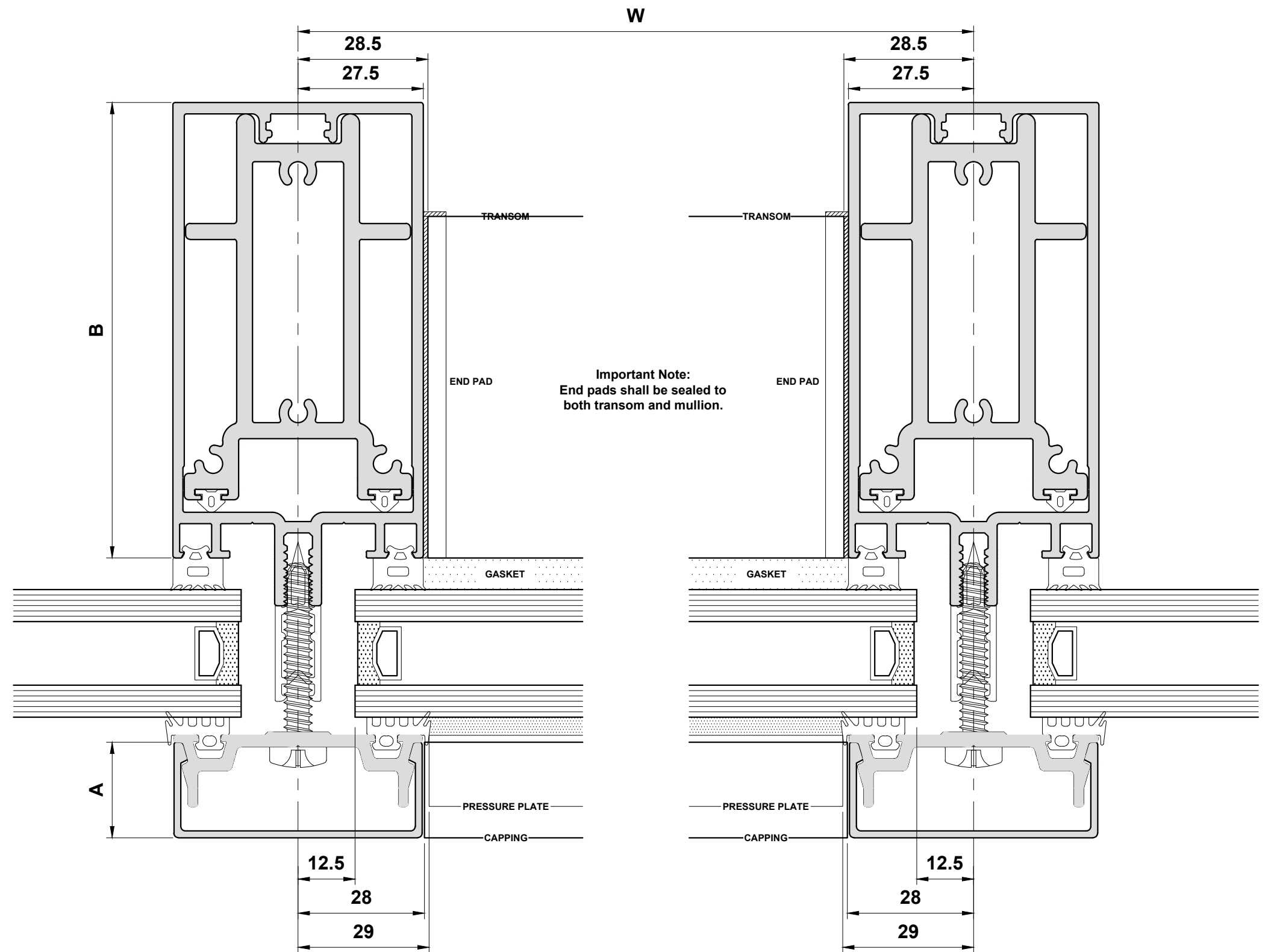
Where mullions span more than one mullion length (typically 7m). A Splice Joint will be required to join mullions. Each length will require one support fixing for dead load transfer.



Do Not Scale From This Drawing

Horizontal Deductions

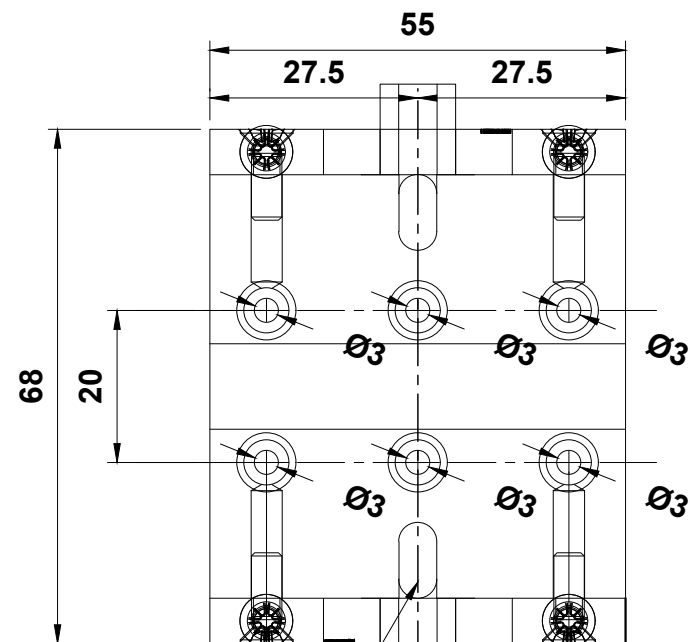
Horizontal Deductions	
Component	Formula
Glass	W - 25
Capping	W - 56
Pressure Plate	W - 58
Transom with End Pads	W - 57
Isolator with Transom End Pads	W - 57
Gasket	W - 55



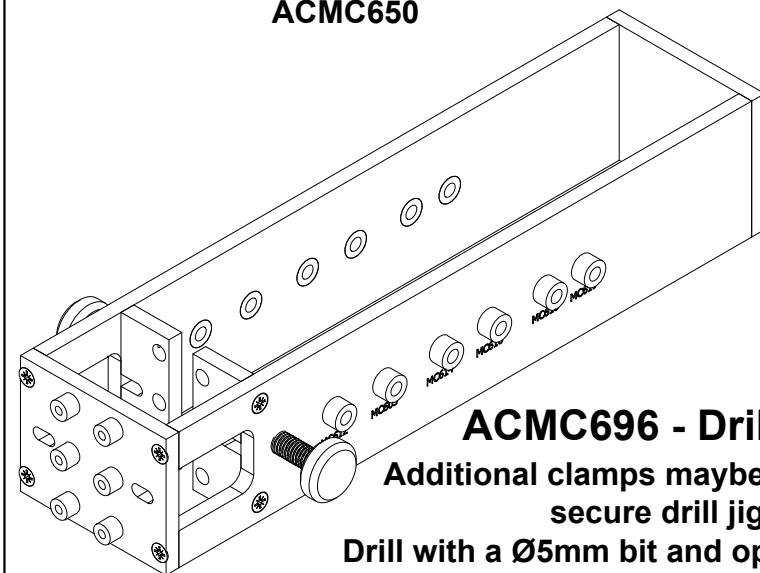
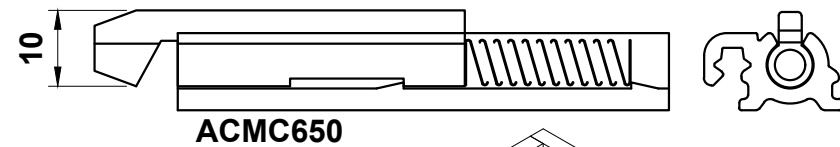
Do Not Scale From This Drawing

Stick Build Mullion Preparation - APMC650

APMC696 - Drill Jig

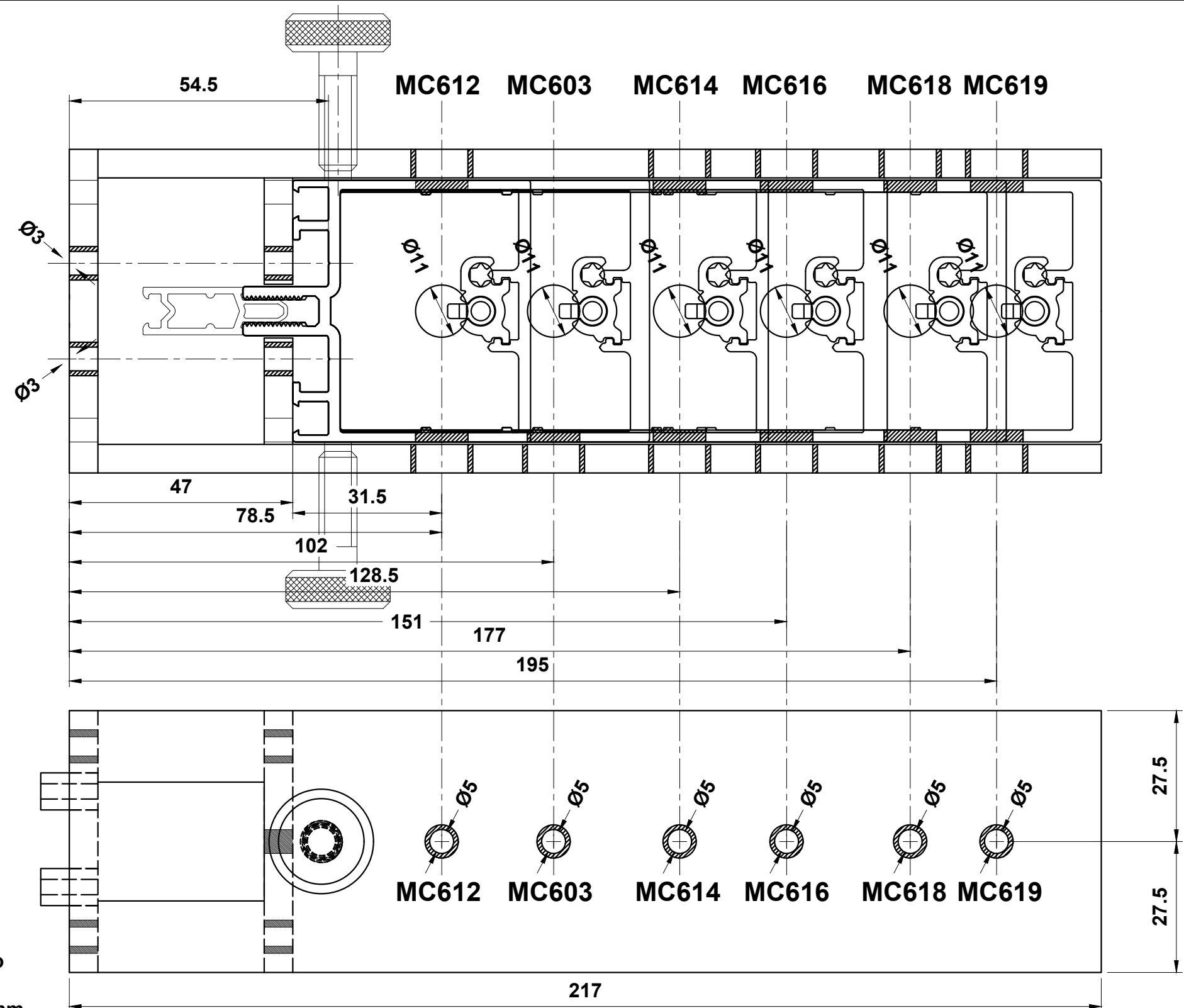


Align drill jig over
centre line and
clamp in position



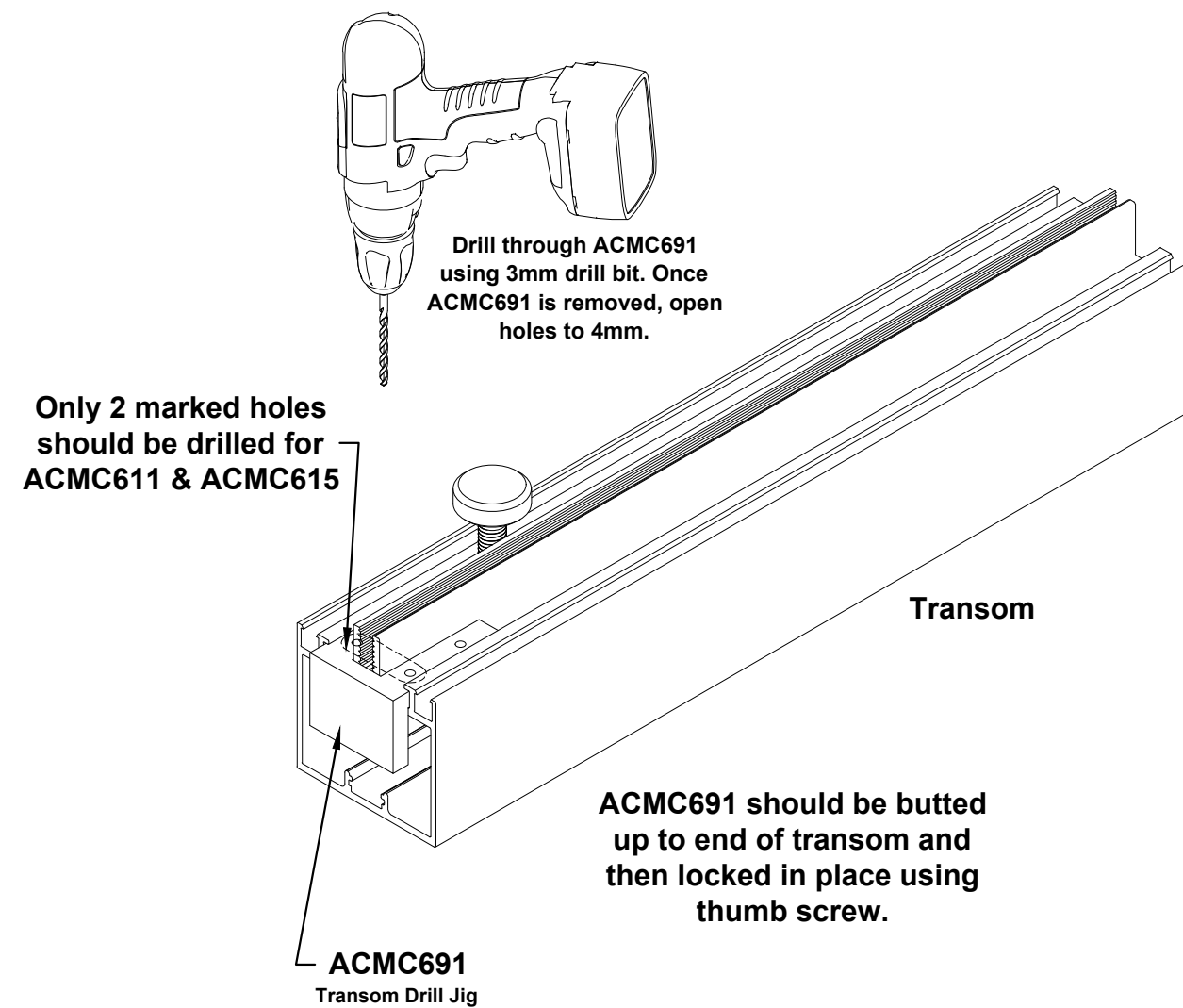
APMC696 - Drill Jig

Additional clamps maybe required to
secure drill jig.
Drill with a $\varnothing 5$ mm bit and open to $\varnothing 11$ mm.



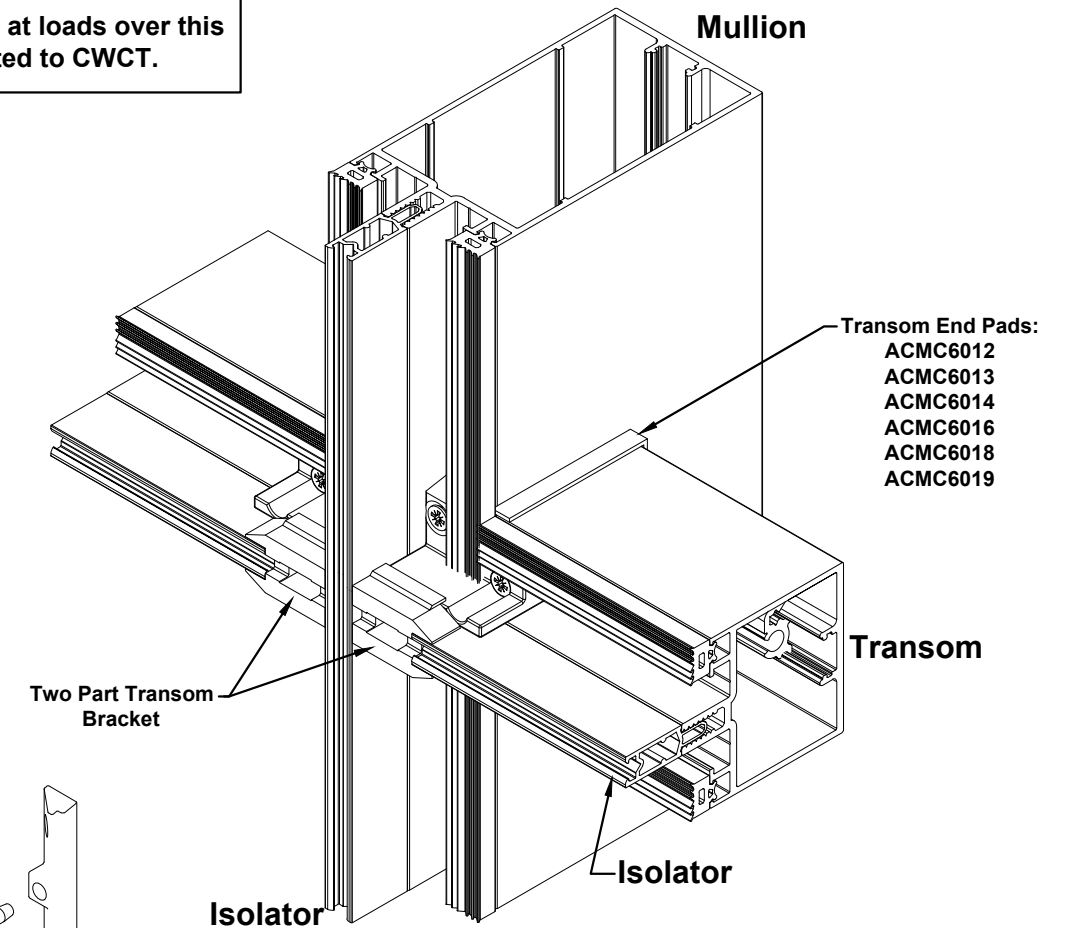
Do Not Scale From This Drawing

Stick Build Transom Preparation

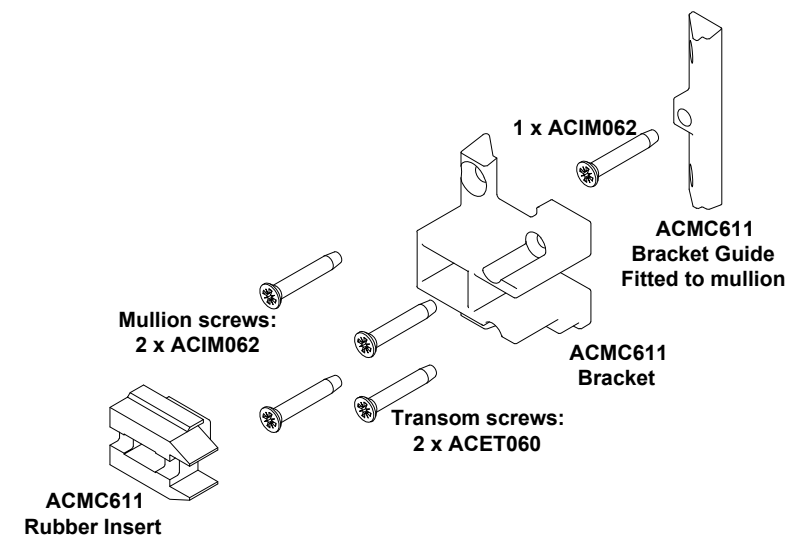


IMPORTANT NOTE:
Maximum load on ACMC611 / ACMC615 / ACMC6112 / ACMC6116 = 250kg per joint

Please consider using shear blocks at loads over this limit. Shear blocks are not tested to CWCT.



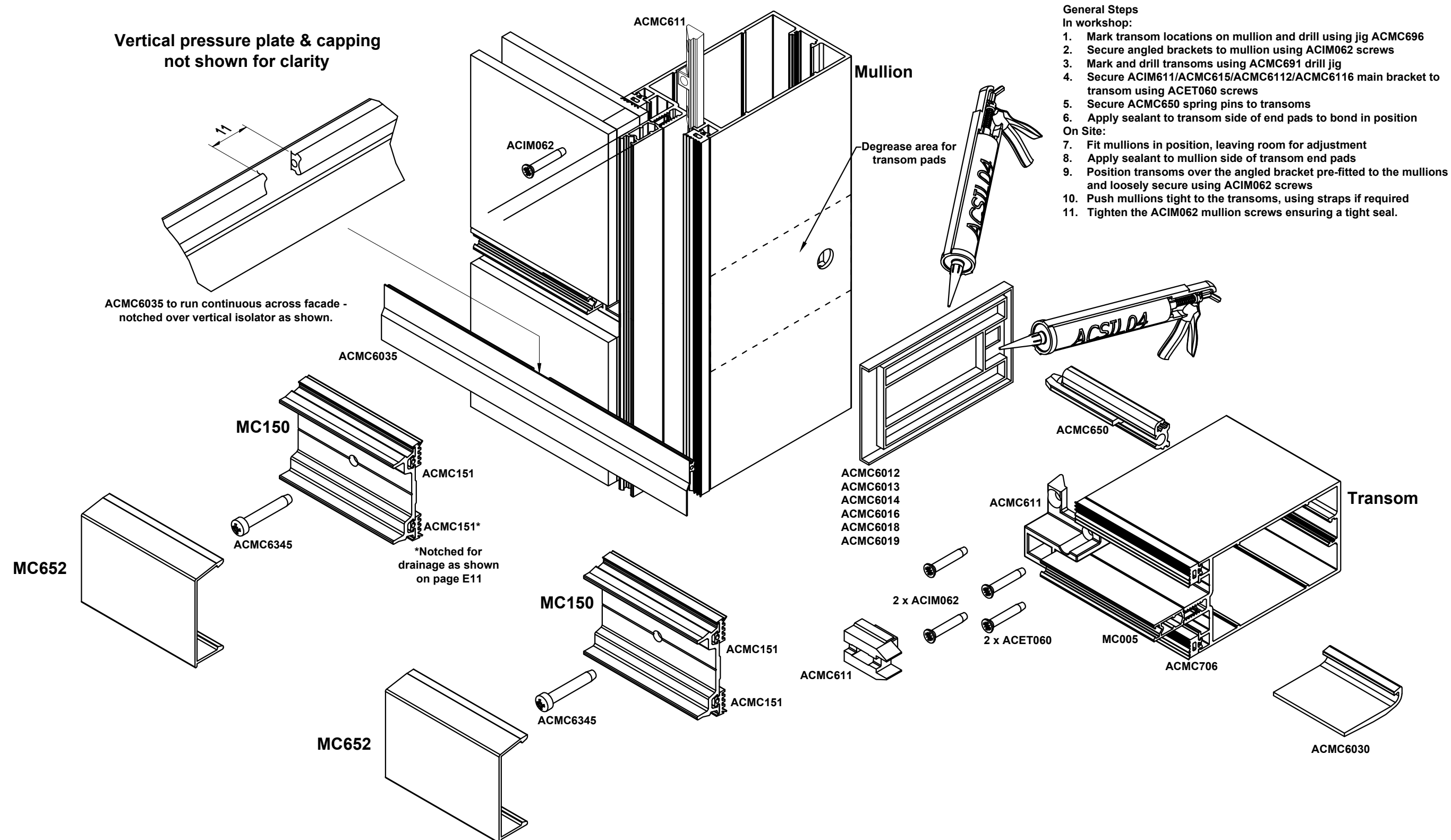
Transom Brackets		
Transom Block	Isolator	Glazing Thickness
ACMC611	MC005	28mm - 30mm
ACMC6112	MC005 & MC009	32mm - 36mm
ACMC615	MC005, MC006 & MC009	34mm - 42mm
ACMC6116	MC005, 2x MC006 & MC009	50mm - 54mm



Mullions must be positioned tight against end of transoms prior to fully tightening bracket fixing screws.

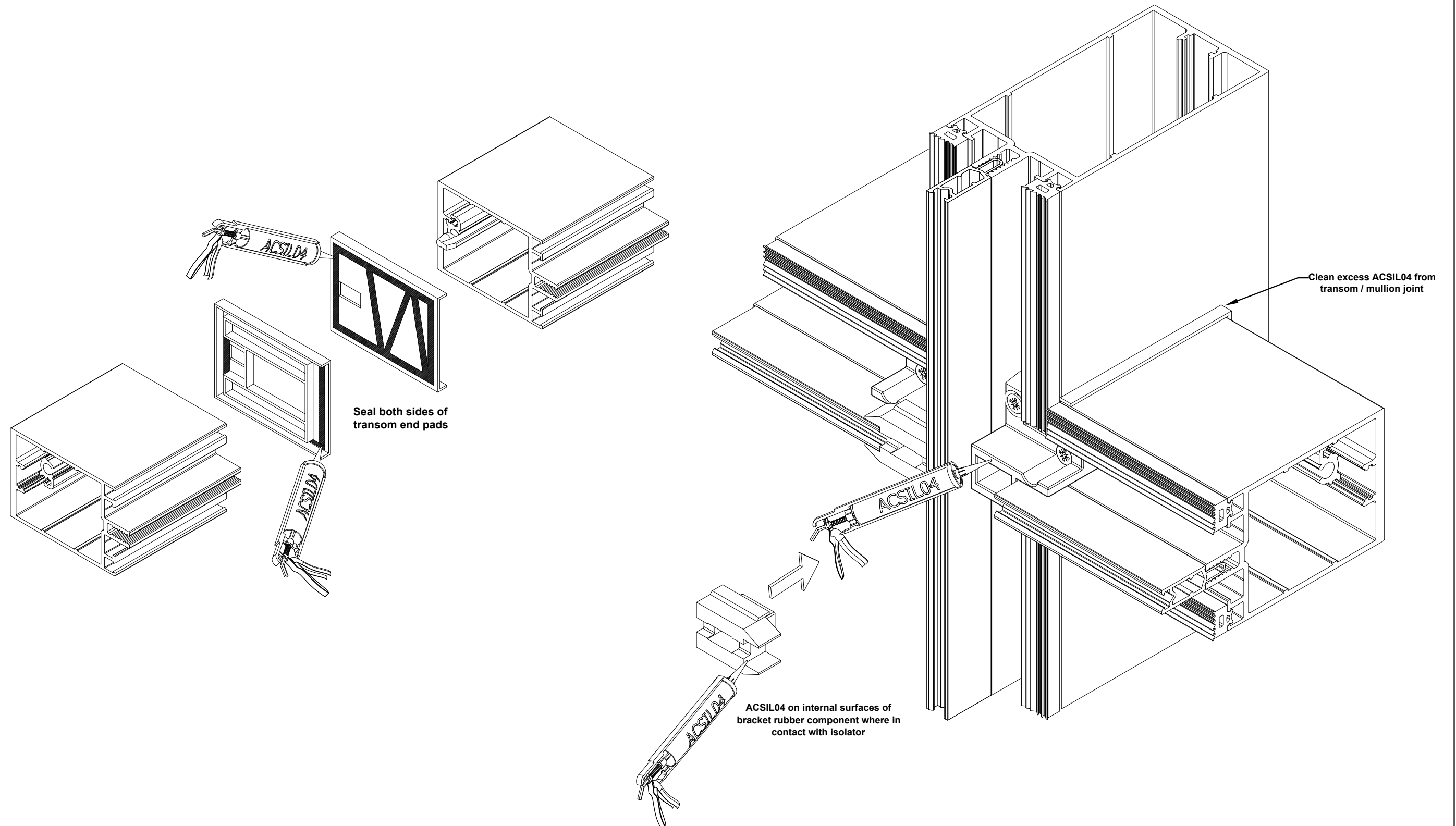
Do Not Scale From This Drawing

Stick Build Assembly - ACMC650 Spring Pin

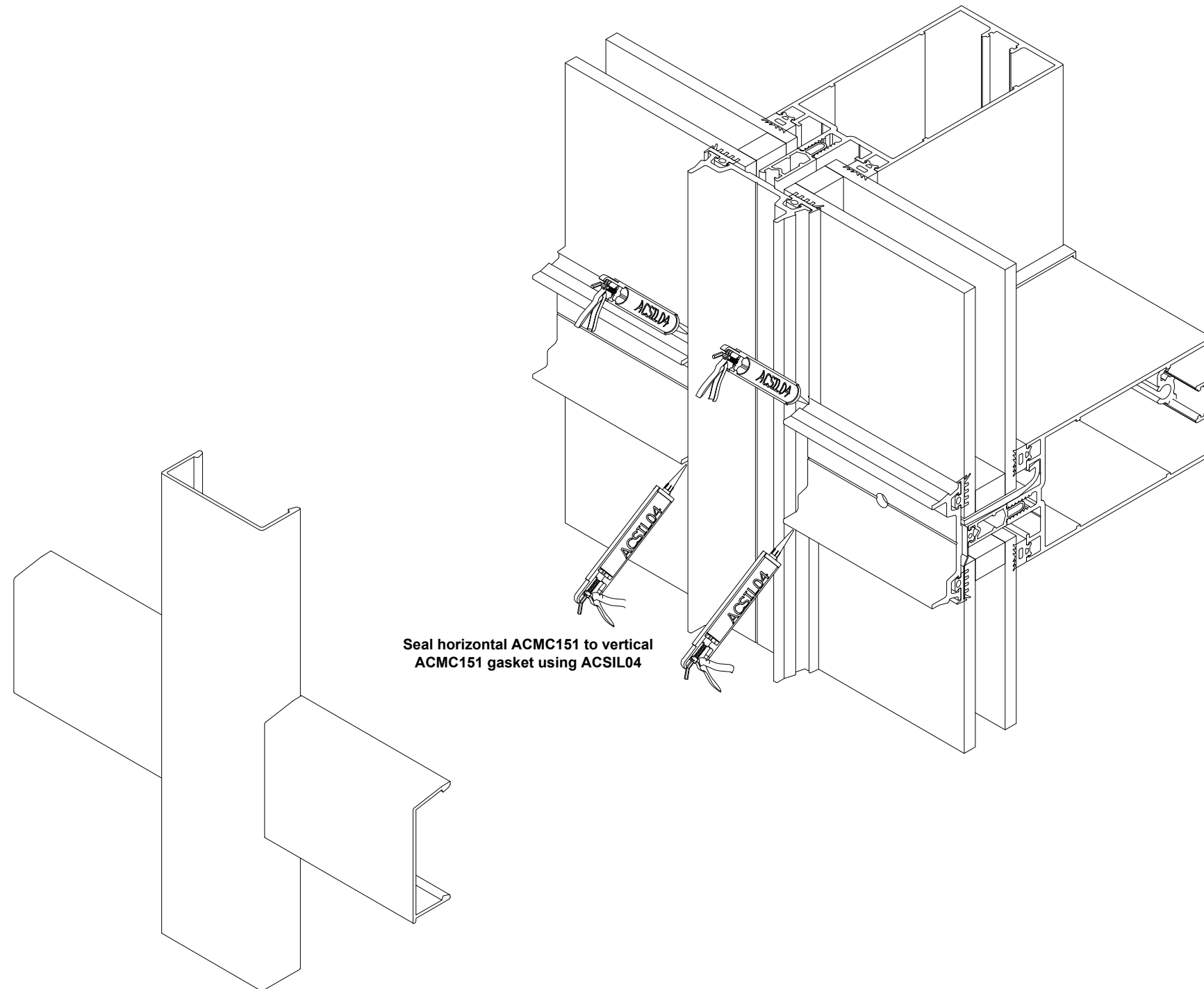


Do Not Scale From This Drawing

Transom / Mullion Sealing

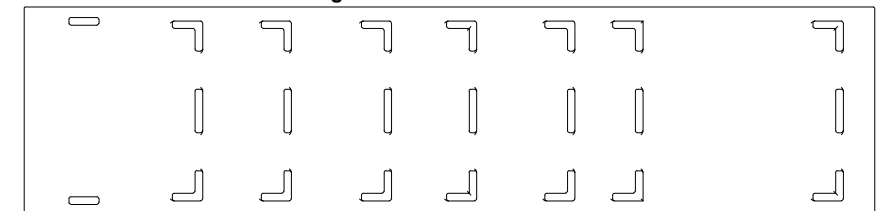


Transom / Mullion Sealing

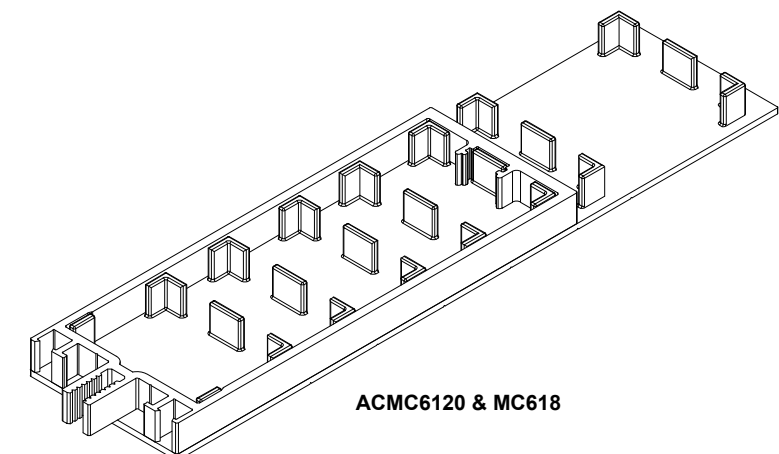


ACML6120

Trim to suit mullion. Seal using ACSIL04

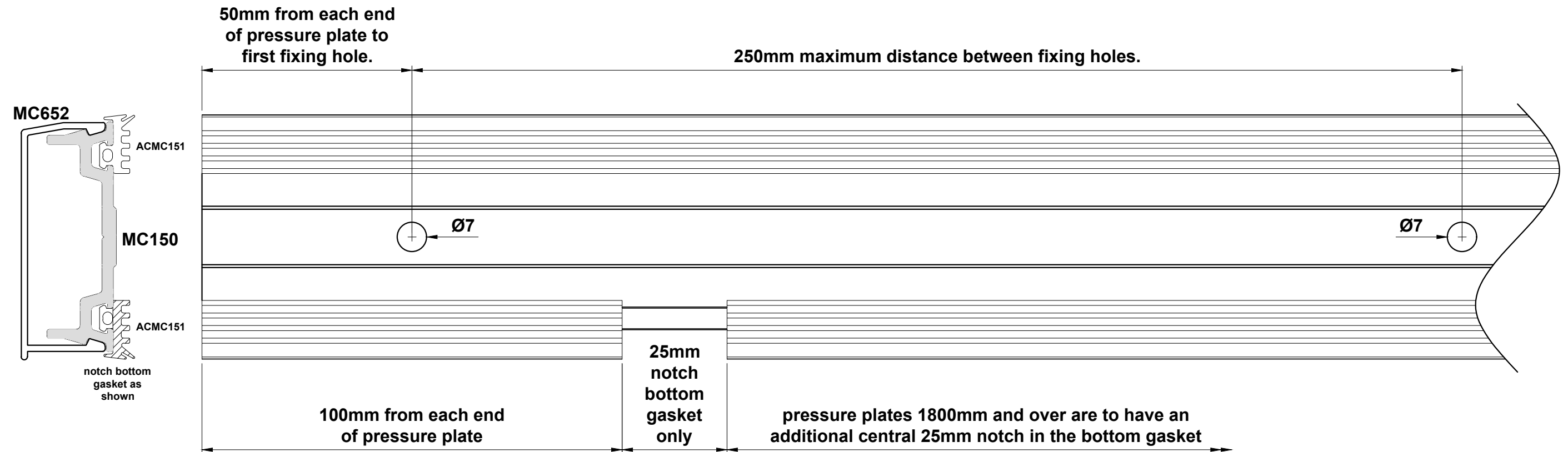


	MC612	MC603	MC614	MC616	MC618	MC619	MC620
50	75	100	125	150	170	225	



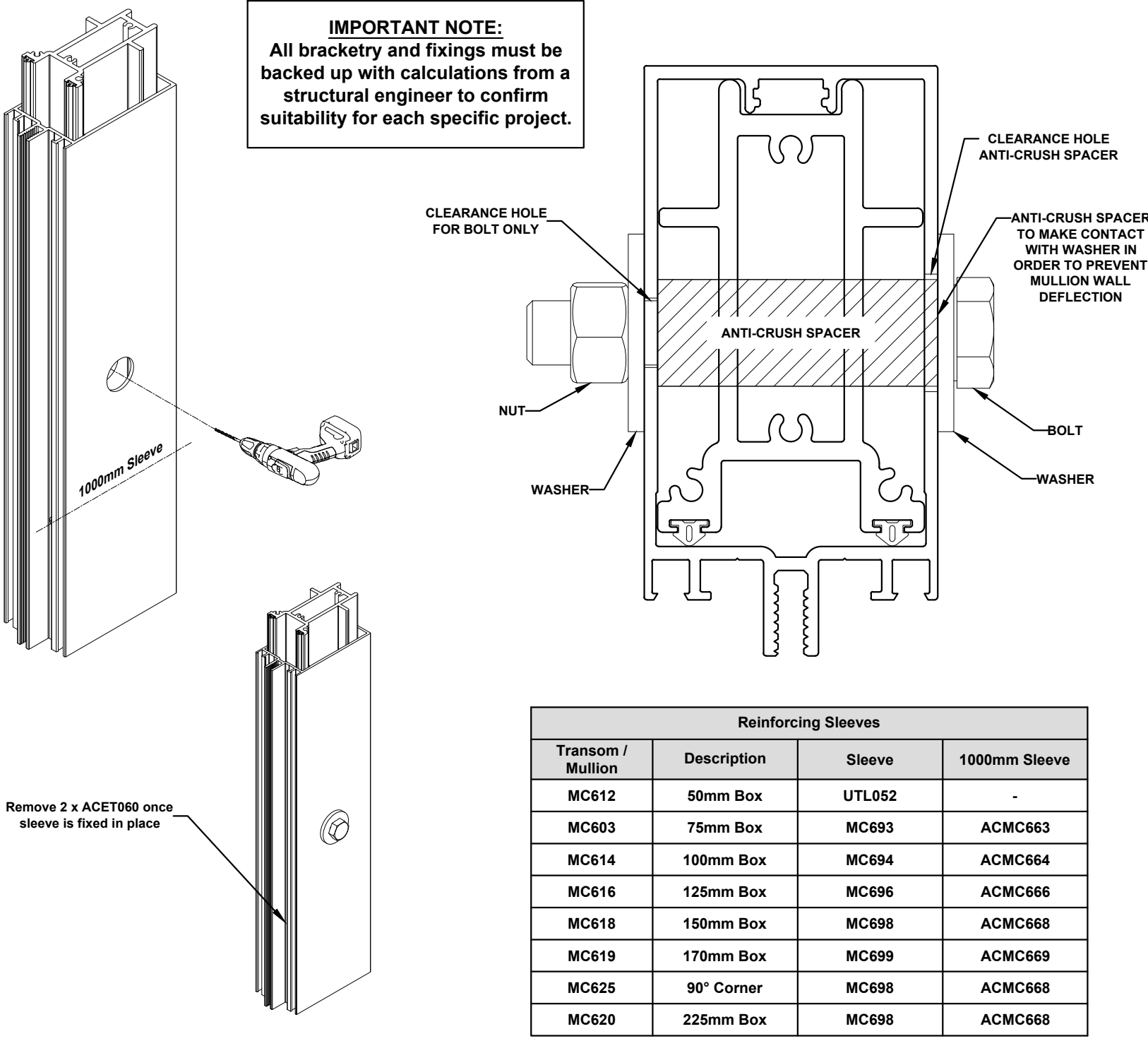
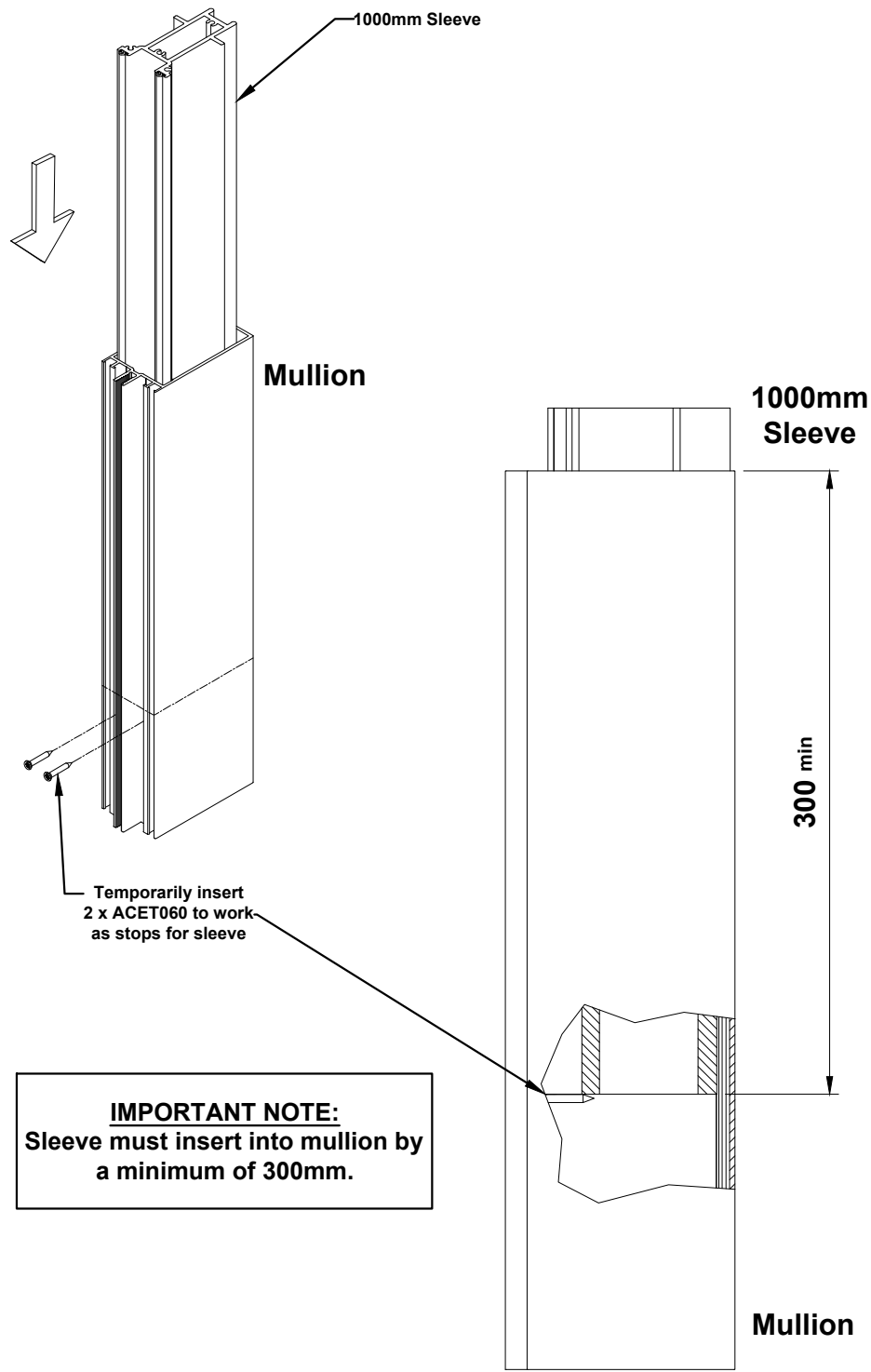
Do Not Scale From This Drawing

Drainage & Pressure Equalisation



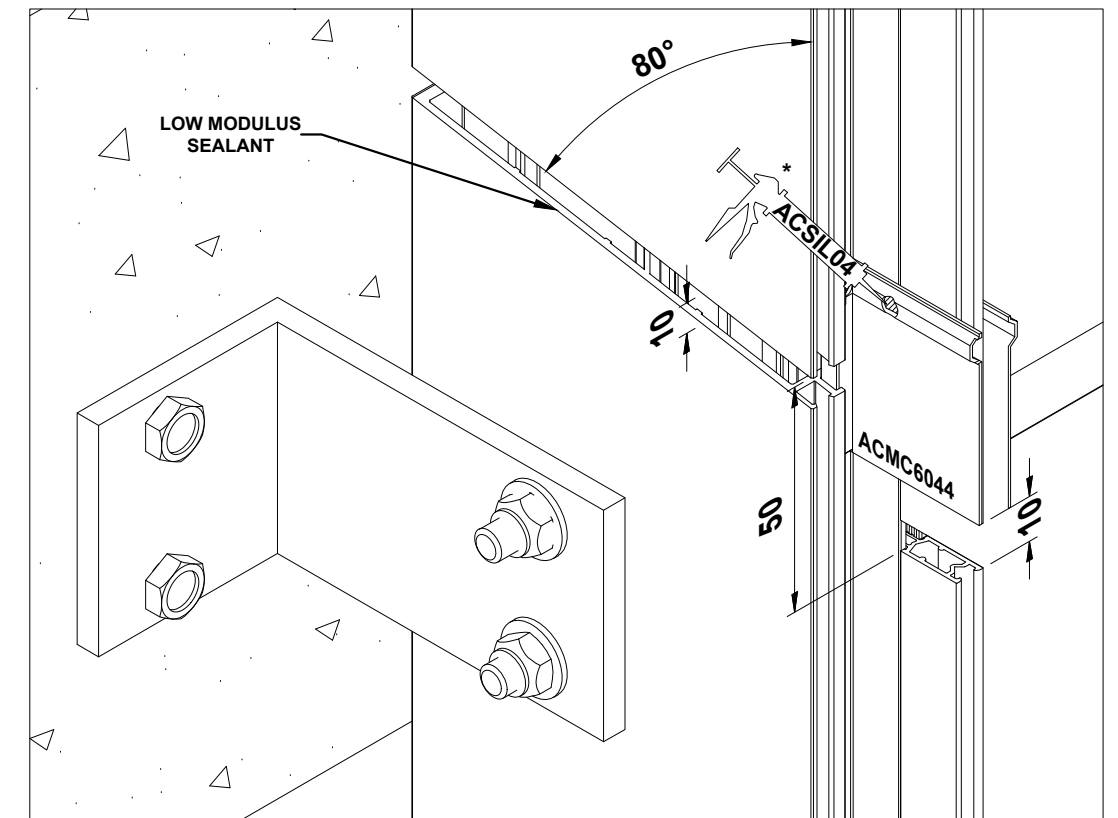
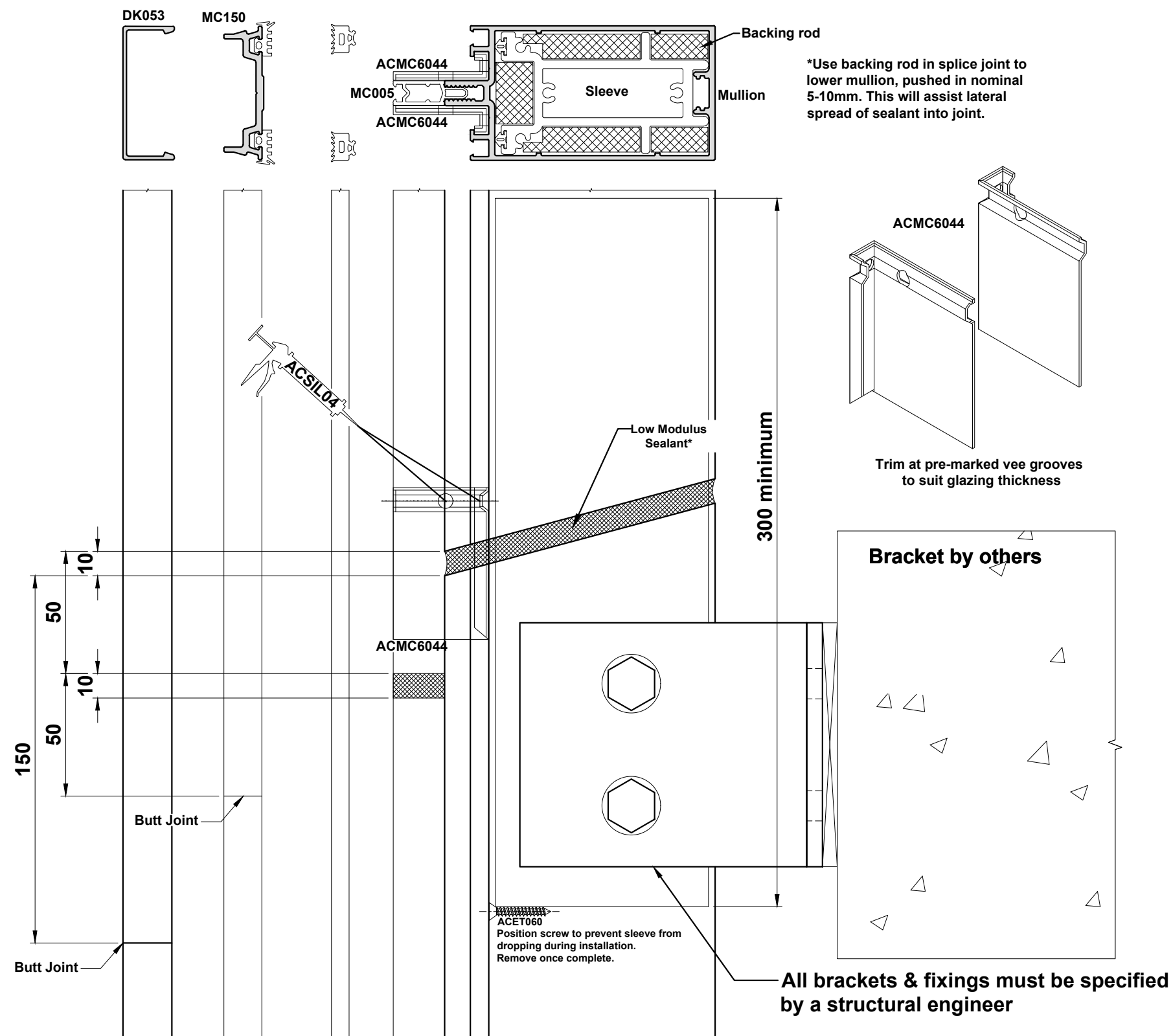
Do Not Scale From This Drawing

Reinforcing Sleeves

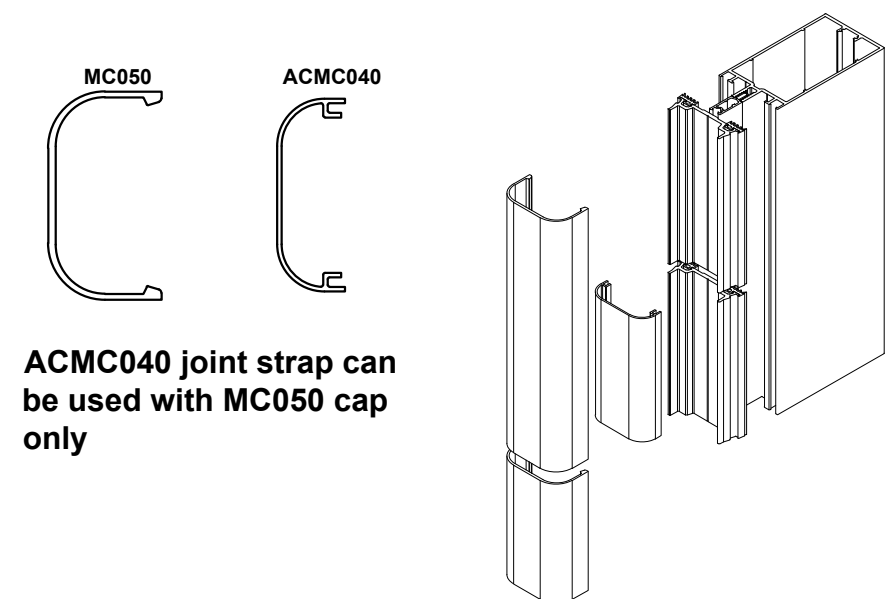


Do Not Scale From This Drawing

Splice Joints

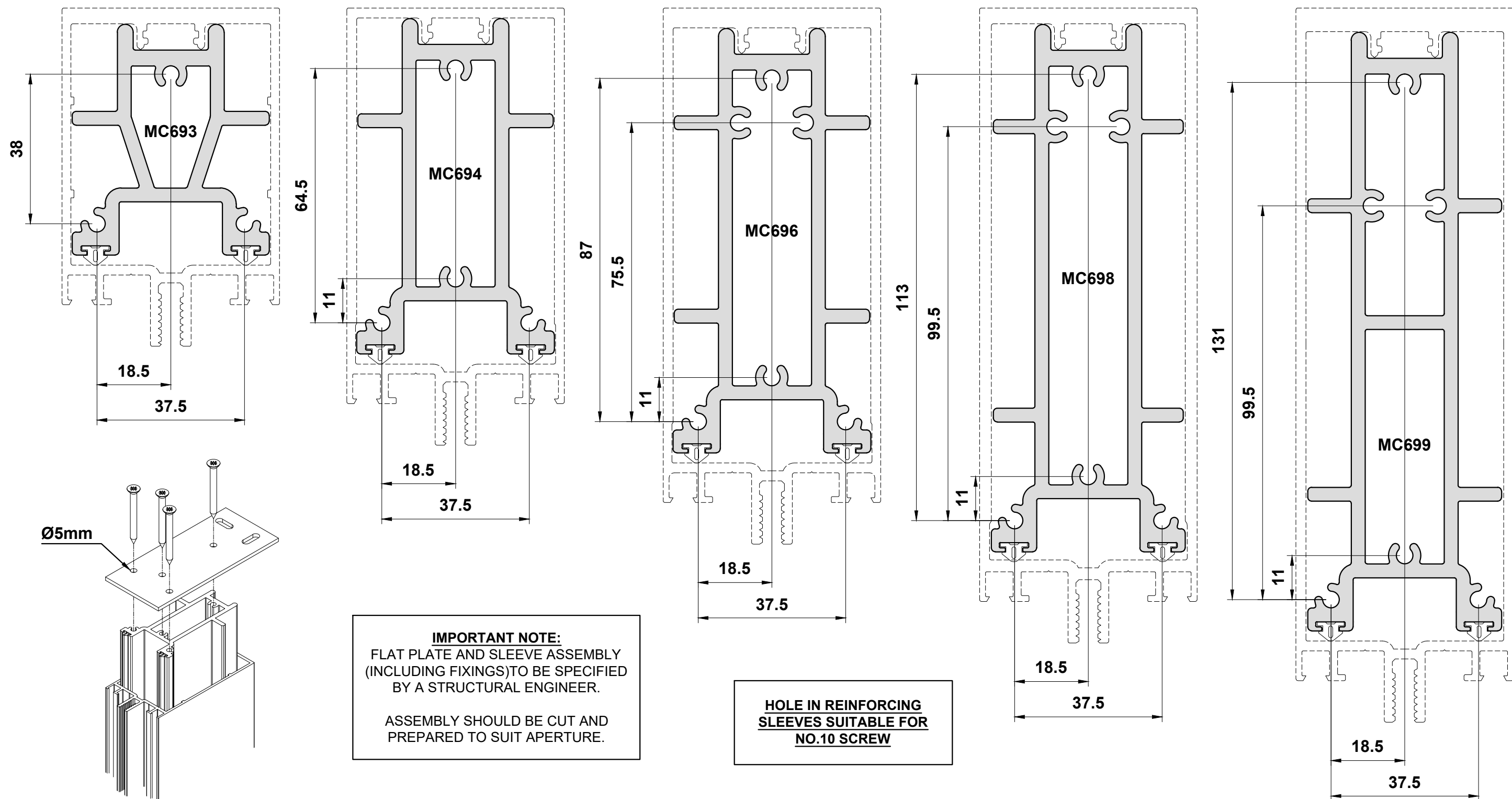


* Ensure that glue holes on ACMC6044 are above the splice joint.



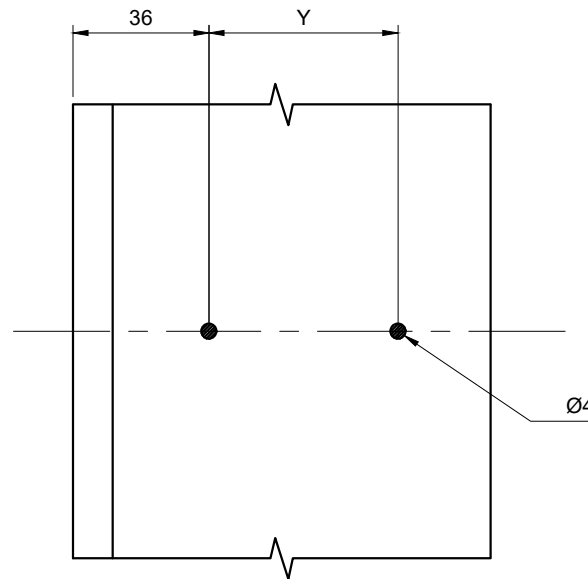
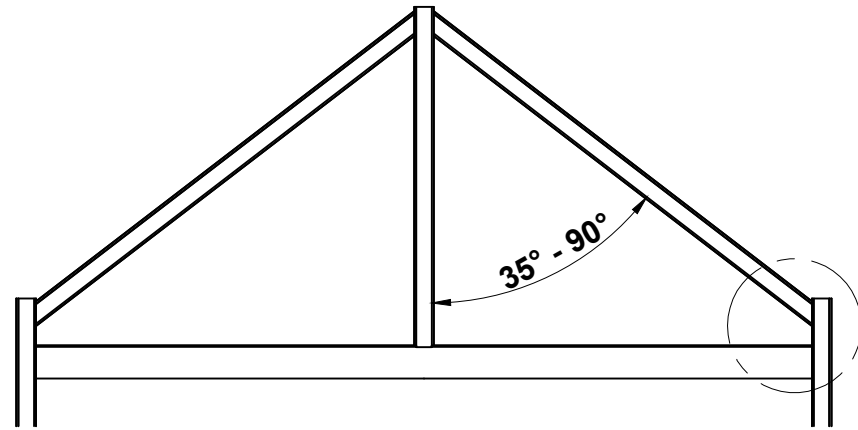
Do Not Scale From This Drawing

Sleeves

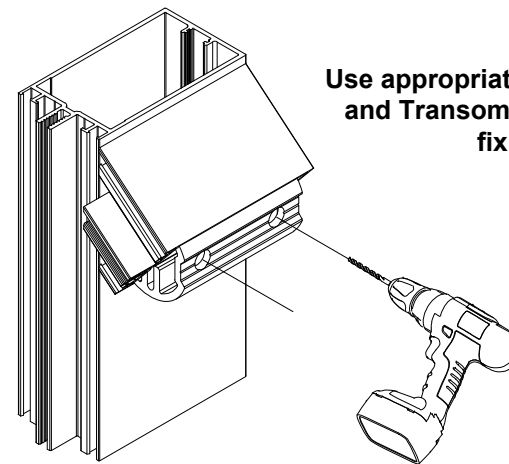
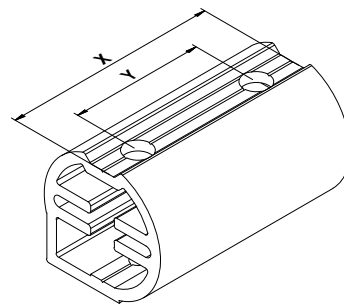


Do Not Scale From This Drawing

Raked Head



Shear Block	X (mm)	Y (mm)
ACMC6052	30	-
ACMC6053	53.5	23.5
ACMC6054	80	50
ACMC6056	102.5	72.5
ACMC6058	128	98
ACMC6059	146.5	116.5

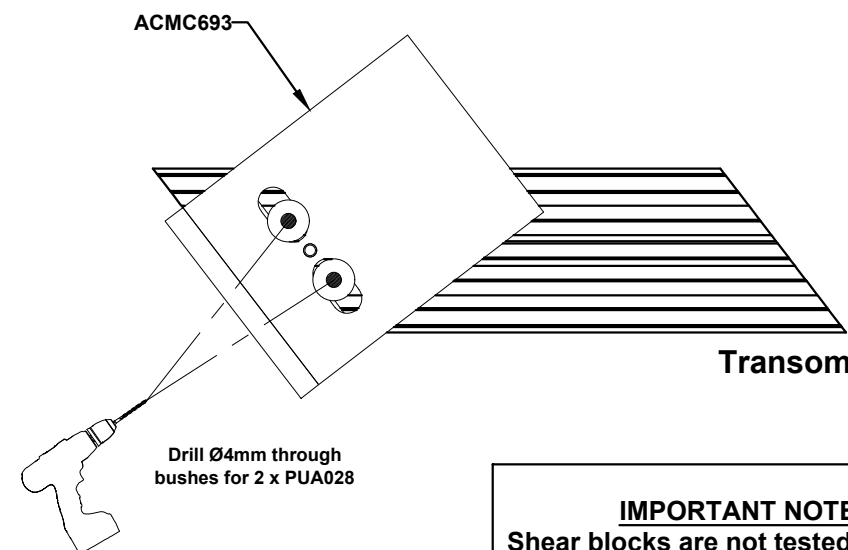


Use appropriate ACMC605* Shear Block and Transom cut at desired angle for fixing locations.

PRE-DRILL MULLIONS IN FACTORY AND INSTALL SHEAR BLOCKS ON SITE.

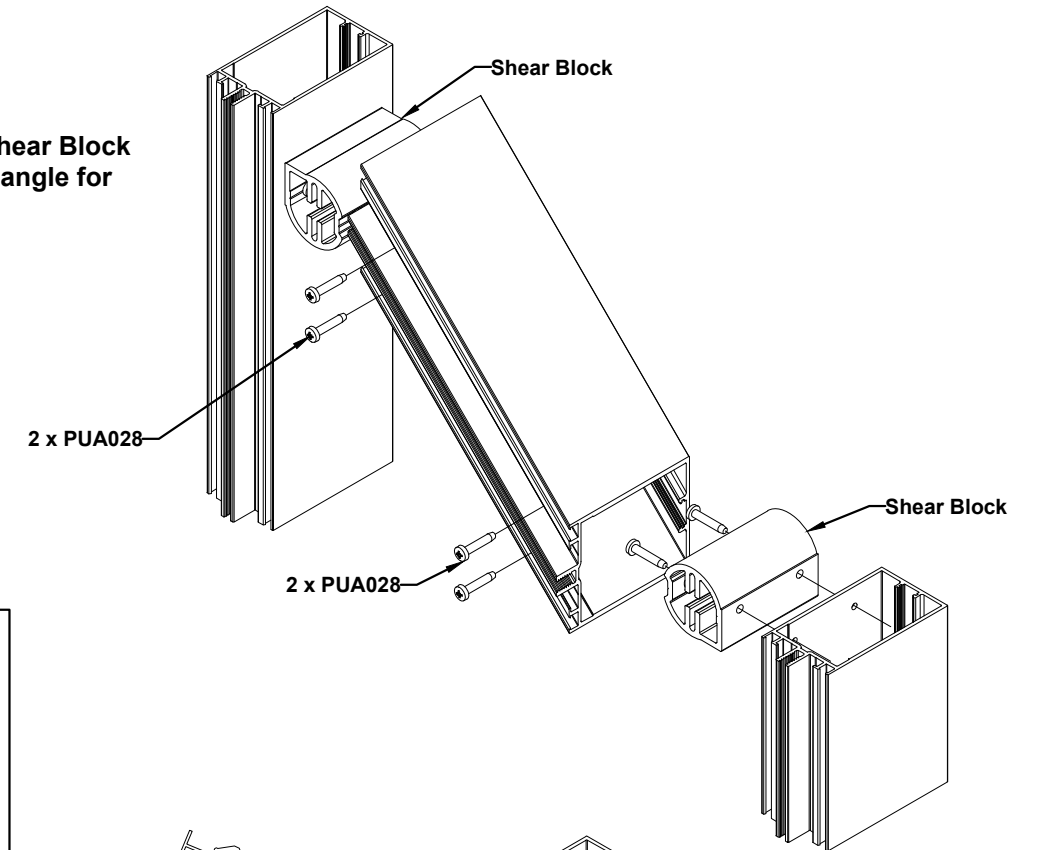
IF SCREW LOCATIONS IN SHEAR BLOCK CLASH WITH REINFORCING SLEEVE, CONSIDER:

- DRILLING NEW LOCATIONS IN SHEAR BLOCKS
- USING SHORTER SCREWS OR CUTTING SCREWS DOWN
- DRILLING HOLES IN REINFORCING SLEEVE



ACMC693

Transom



Shear Block

2 x PUA028

2 x PUA028

Shear Block



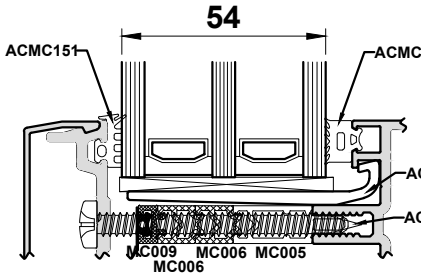
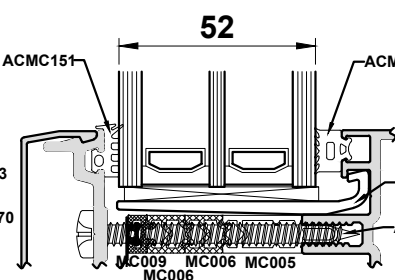
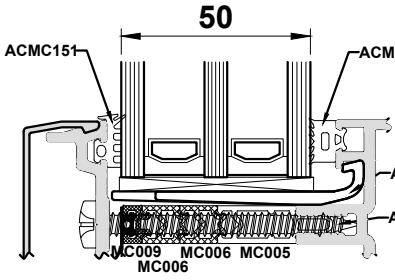
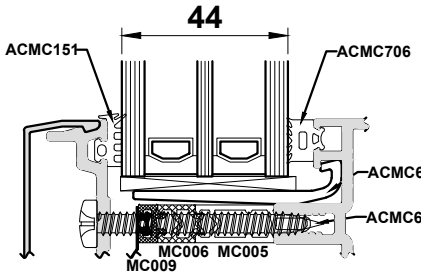
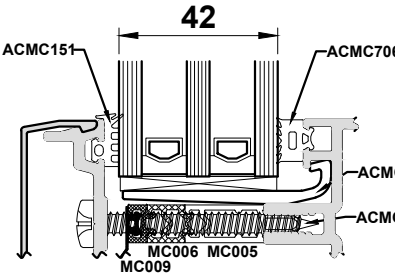
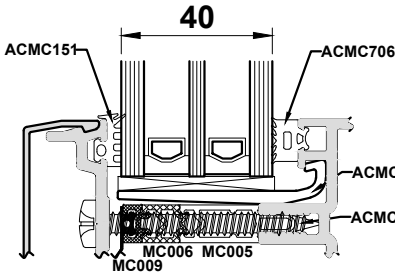
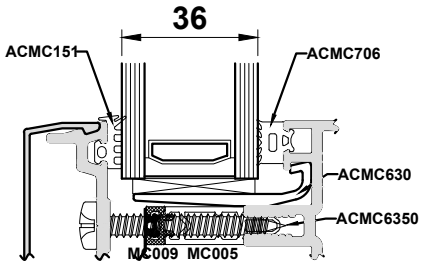
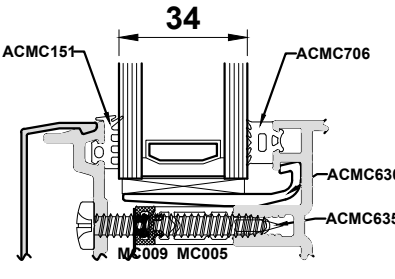
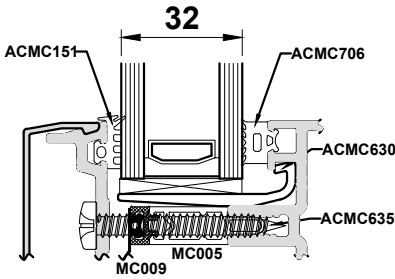
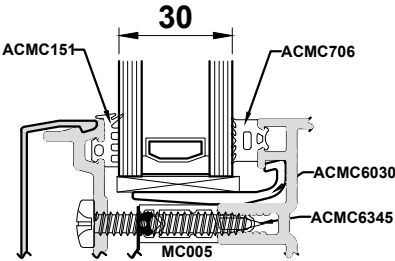
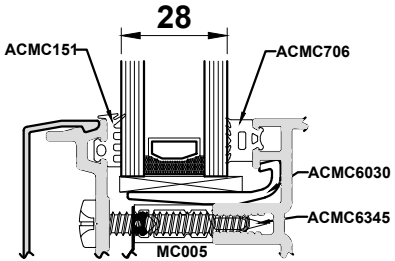
ACMC646
or
ACMC647

IMPORTANT NOTE:
Shear blocks are not tested to CWCT.

Do Not Scale From This Drawing

Glazing Details

		External Gasket	Internal Gasket	Glazing Support	Isolator	Screw	Transom Bracket
Glazing Thickness (mm)	28	ACMC151	ACMC706	ACMC6030	MC005	ACMC6345	ACMC611
	30			ACMC6030	MC005	ACMC6345	ACMC611
	32			ACMC6030	MC005 MC009	ACMC6350	ACMC6112
	34			ACMC6030	MC005 MC009	ACMC6350	ACMC6112
	36			ACMC6030	MC005 MC009	ACMC6350	ACMC6112
	40			ACMC631	MC005 MC006 MC009	ACMC6360	ACMC615
	42			ACMC631	MC005 MC006 MC009	ACMC6360	ACMC615
	44			ACMC631	MC005 MC006 MC009	ACMC6360	ACMC615
	50			ACMC633	MC006 x 2 MC009 MC005	ACMC6370	ACMC6116
	52			ACMC633	MC006 x 2 MC009 MC005	ACMC6370	ACMC6116
	54			ACMC633	MC006 x 2 MC009	ACMC6370	ACMC6116



Do Not Scale From This Drawing