Main Index

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Updates

DATE	PAGE	DESCRIPTION
MAR-2026	ALL	• INITIAL RELEASE

Specification

GENERAL DESCRIPTION

Mac Glass is a premium glass fall-through protection system offering exceptional transparency through slim aluminium sightlines.

It is ideal for properties seeking maximum daylight and safety without compromising on aesthetics or requiring a traditional balcony.

Designed to complement the Smart Systems range, Mac Glass conceals the balustrade structure to provide uninterrupted views and a refined architectural finish.

PROFILE SPECIFICATION

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

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

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

b) Polyester powder organic coating to BS 6496.

IMPORTANT NOTE

- Glass type and specification must be verified by the glass supplier.
- Building regulations may prohibit the use of laminated glass in specific applications due to combustibility performance.
- Full load testing documentation is available upon request.

Specification

GENERAL MANUFACTURING

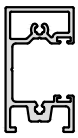
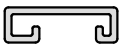
Profiles must be cut using tungsten carbide tipped saw blades operating at approximately 3000 rpm.

End caps must be fixed to the ends of the balustrade profiles to provide a neat and finished appearance.

For polyester powder coated finishes, care must be taken to avoid sealant contact with visible surfaces. Any excess sealant should be removed immediately using a clean cloth.

Care should be exercised when using products not supplied by Smart Systems Ltd, as no responsibility can be accepted for their performance or compatibility.

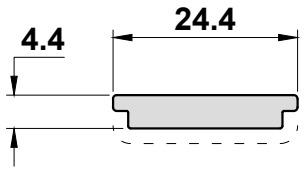
For advise on sizes outside of the recommended design limitations, please contact the Technical Department at Smart Systems Ltd Tel: 01934 876100

Number	Picture	Page	Perim. mm	Mec. mm	Ix(cm4) wx(cm3)	Iy(cm4) wy(cm3)	Length	Pack pr.	MF	SA	KL	HP	M
MAC200		A06	56	27	0.4 / 0.3	0.02 / 0.07	6.5	1	✓	✓	✓	✓	
MAC210		A06	302	126	4.8 / 2.8	14.9 / 5.2	6.5	1	✓	✓	✓	✓	
UN3611		A07	112.7	57	- / -	- / -	3	1	✓	✓	✓	✓	
UN3612		A07	120.7	61	- / -	- / -	3	1	✓	✓	✓	✓	

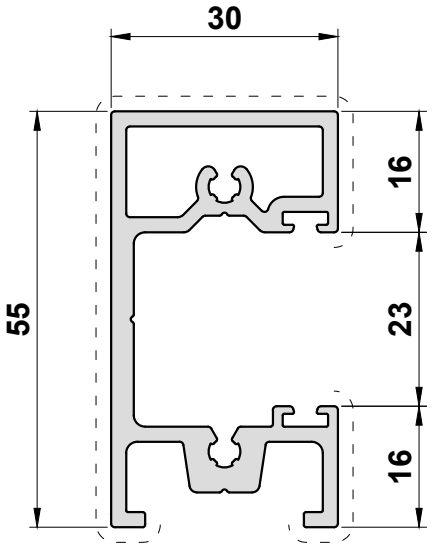
A = Outside
B = Inside

MF = Mill Finish
SA = Silver Anodised
KL = Basic Colour
HP = Special Colour
M = Dual Colour

Primary Visible Side - - - - - - - - - - - - - - - - - - Secondary Visible Side — · — · — · — · — · — · —



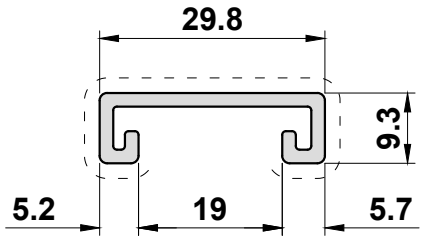
MAC200
Sealing Profile



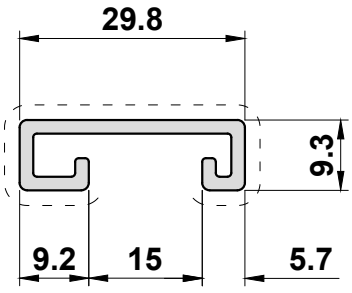
MAC210
Balustrade Profile

Scale 1:1

Primary Visible Side - - - - - - - - - - - - - - - - - - Secondary Visible Side — · — · — · — · — · — · —



UN3611
17.5mm Glass Trim



UN3612
13.5mm Glass Trim

Scale 1:1

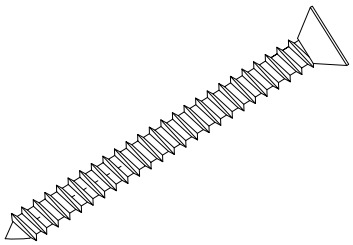
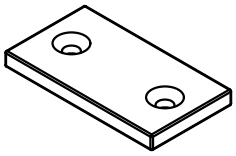
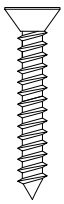
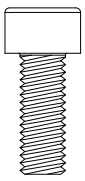
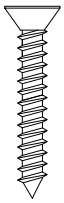
PROFILE : SCALED PROFILE DRAWINGS

Primary Visible Side – – – – – – – – – – – – – – – – **Secondary Visible Side** — · · — · · — · · — · · — · · — · · —

Section B

Accessories

Photos & Drawings

Image	Part Code	Pack	Unit	Application	Colour
	**ACET062** DIN7982 4.8 x 50mm INOX A2	**100**	**pack**		MF SA KL HP SSC SMC W Z PC
	**ACMAC210** End Plate	**2**	**pack**	**MAC210** **ACMX897**	MF ✓ SA ✓ KL ✓ HP ✓ SSC SMC W Z PC
	**ACMX835** DIN7982 4.8 x 25mm INOX A2	**100**	**pack**		MF ✓ SA KL HP SSC SMC W Z PC
	**ACMX896** DIN912 M6 x 16mm INOX A2	**200**	**pack**		MF ✓ SA KL HP SSC SMC W Z PC
	**ACMX897** DIN7982 4.2 x 25mm INOX A2	**200**	**pack**	**ACMAC210**	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

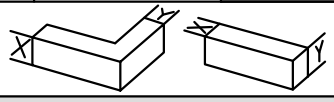
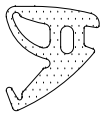


Image	Part Code	Pack	Unit	Application	Colour	
	**ACUN033** Glazing Gasket Wedge 3-5mm	**100M**	**coil**		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	**ACUN036** Glazing Gasket Wedge 6-8mm	**100M**	**coil**		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	**ACVG31N** Glazing Gasket Captive 3mm	**200M**	**coil**		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	**ACVG32N** Glazing Gasket Wedge 3mm	**100M**	**coil**		MF	
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	✓
					PC	
	**ACVG33N** Glazing Wedge Gasket 4mm	**100M**	**coil**		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

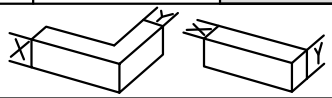
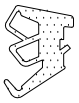


Image	Part Code	Pack	Unit	Application	Colour	
	**ACVG34N** Glazing Gasket Wedge 5mm	**100M**	**coil**		MF SA KL HP SSC SMC W Z PC	 ✓
	**ACVG131N** Glazing Gasket Captive 4mm	**100M**	**coil**		MF SA KL HP SSC SMC W Z PC	 ✓
	**ACVG231N** Glazing Gasket Captive 2mm	**200M**	**coil**		MF SA KL HP SSC SMC W Z PC	 ✓
	**ACVG340N** Glazing Gasket Wedge 6mm	**100M**	**coil**		MF SA KL HP SSC SMC W Z PC	 ✓
					MF SA KL HP SSC SMC W Z PC	

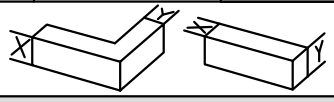


T-BARS
ACVG65=2.5mm
ACVG66=3.0mm
ACVL150=4.0mm



Screw (Grub)

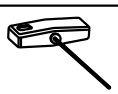
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HP = Special Colour
SSC = Smooth Satin Chrome
SMC = Smokey Chrome
PC = Polished Chrome
W = White
Z = Black



MAC GLASS

STANDARD ACCESSORIES

Image	Part Code	Pack	Unit	Application	Colour
	**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
	**ACMX09765** Alu. Cleaner	**1**	**each**		MF SA KL HP SSC SMC W Z PC

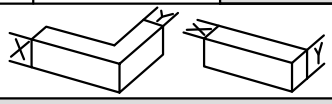


T-BARS
ACVG65=2.5mm
ACVG66=3.0mm
ACVL150=4.0mm

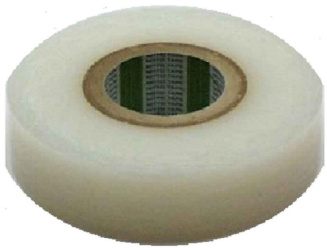


Screw (Grub)

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



ISSUE: APRIL 2026

Image	Part Code	Pack	Unit	Application	Colour
	**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
	**ACMX09803** Protective Tape 100mm	**1**	**each**		MF SA KL HP SSC SMC W Z PC

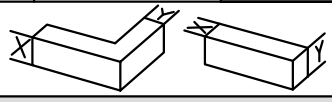


T-BARS
ACVG65=2.5mm
ACVG66=3.0mm
ACVL150=4.0mm



Screw (Grub)

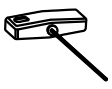
MF = Mill Finish
SA = Silver Anodised
KL = Basic Colour
HP = Special Colour
SSC = Smooth Satin Chrome
SMC = Smokey Chrome
PC = Polished Chrome
W = White
Z = Black



MAC GLASS

STANDARD ACCESSORIES

Image	Part Code	Pack	Unit	Application	Colour	
	**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	
	**ACSIL014** Anti-Corrosion Coating	**1**	**each**		MF	✓
					SA	
					KL	
					HP	
					SSC	
					SMC	
					W	
					Z	
					PC	



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



Screw (Grub)

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SA = Silver Anodised
KL = Basic Colour
HP = Special Colour
SSC = Smooth Satin Chrome
SMC = Smokey Chrome
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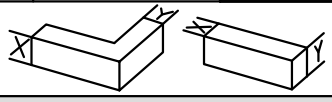


Image	Part Code	Pack	Unit	Application	Colour
	**ACUN3900** Gasket Roller	**1**	**each**		MF SA KL HP SSC SMC W Z PC
					MF SA KL HP SSC SMC W Z PC
					MF SA KL HP SSC SMC W Z PC
					MF SA KL HP SSC SMC W Z PC
					MF SA KL HP SSC SMC W Z PC

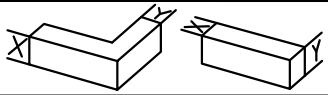


T-BARS
ACVG65=2.5mm
ACVG66=3.0mm
ACVL150=4.0mm



Screw (Grub)

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

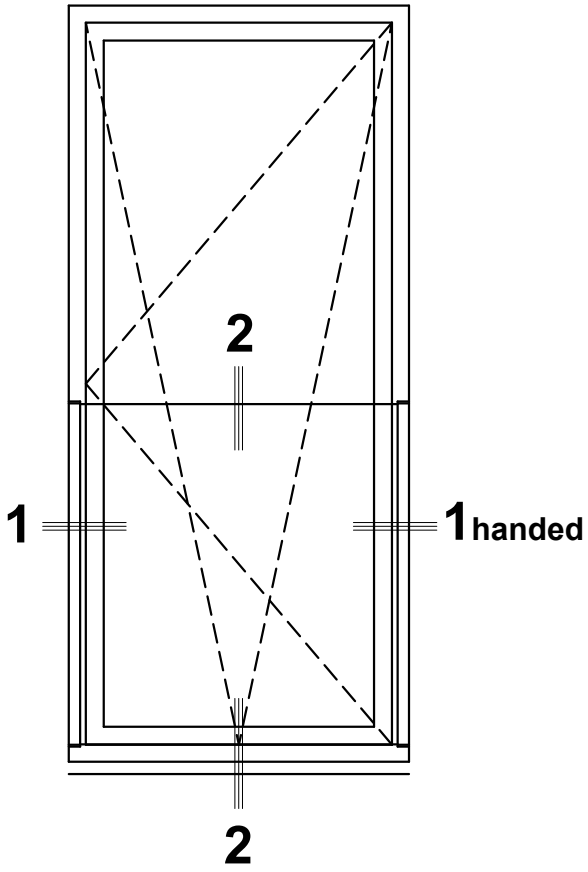


Section C

Sections

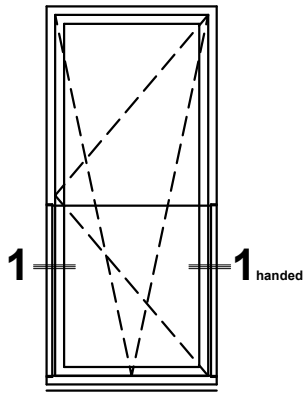
Scale Elevations

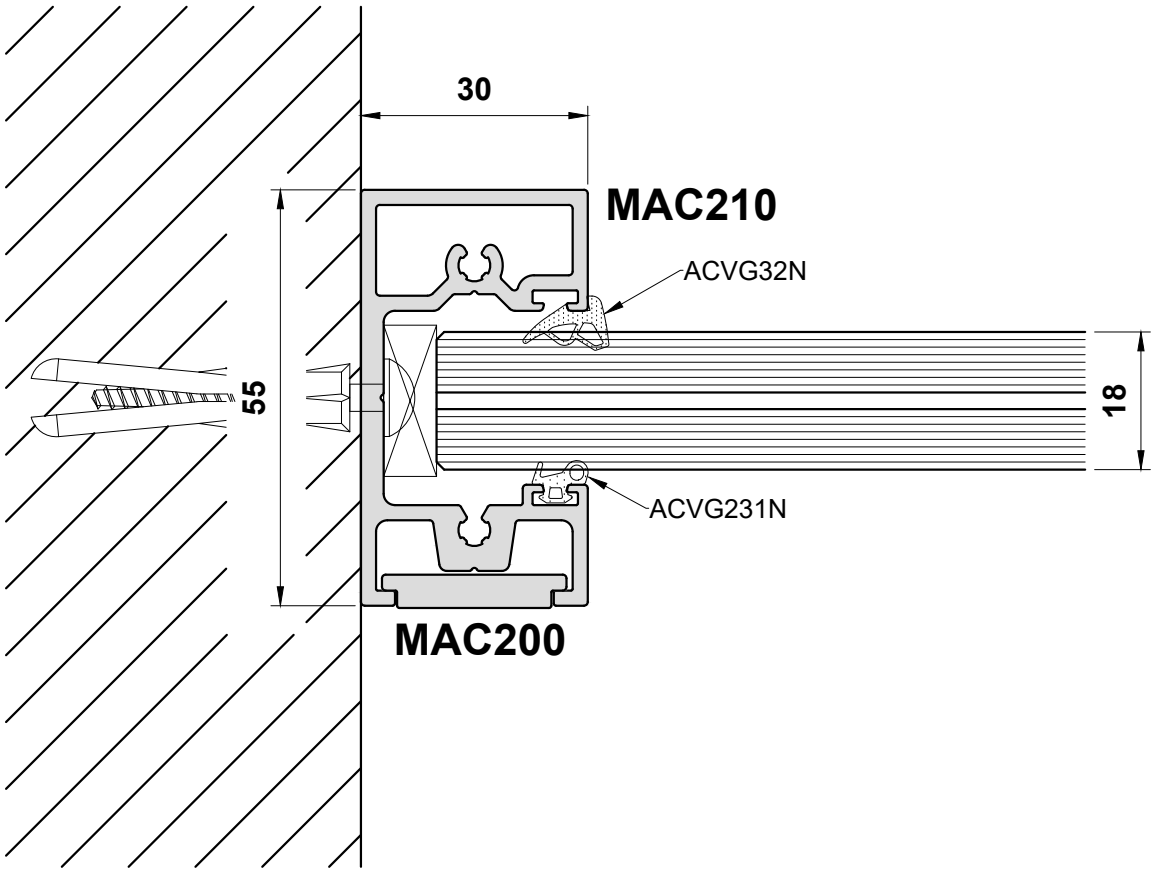
Detail



Do Not Scale From This Drawing

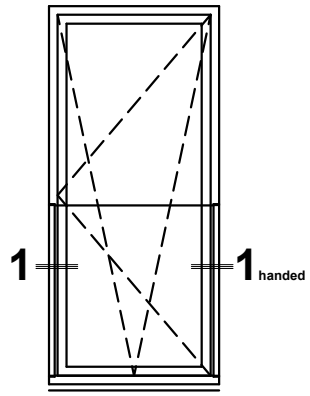
Detail 1A (Config. 1)

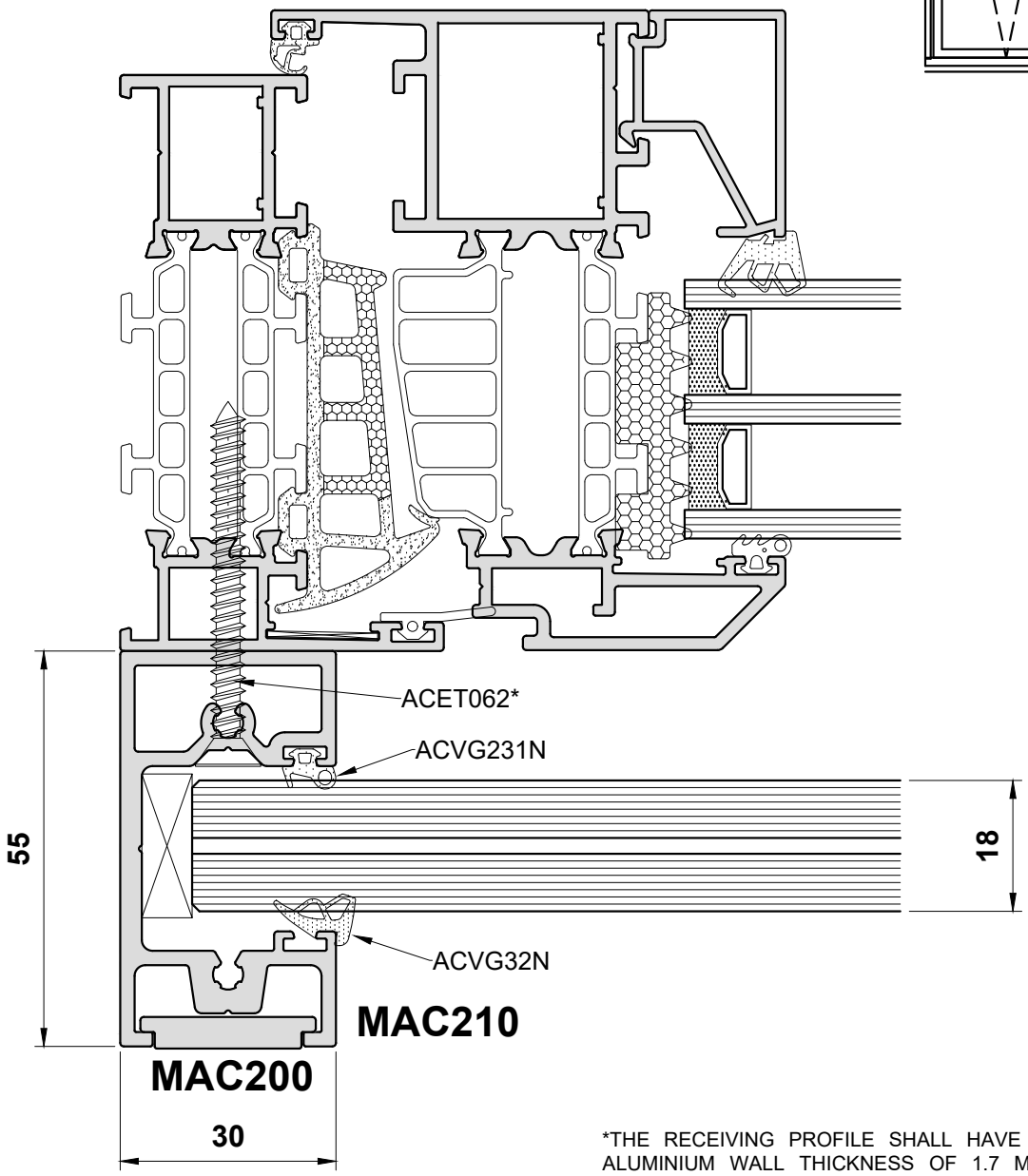




Do Not Scale From This Drawing

Detail 1B (Config. 2)

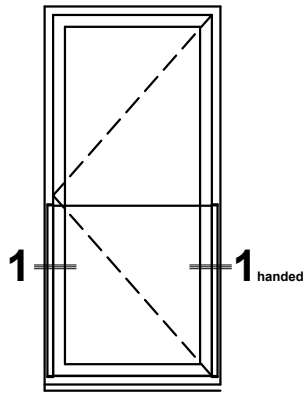


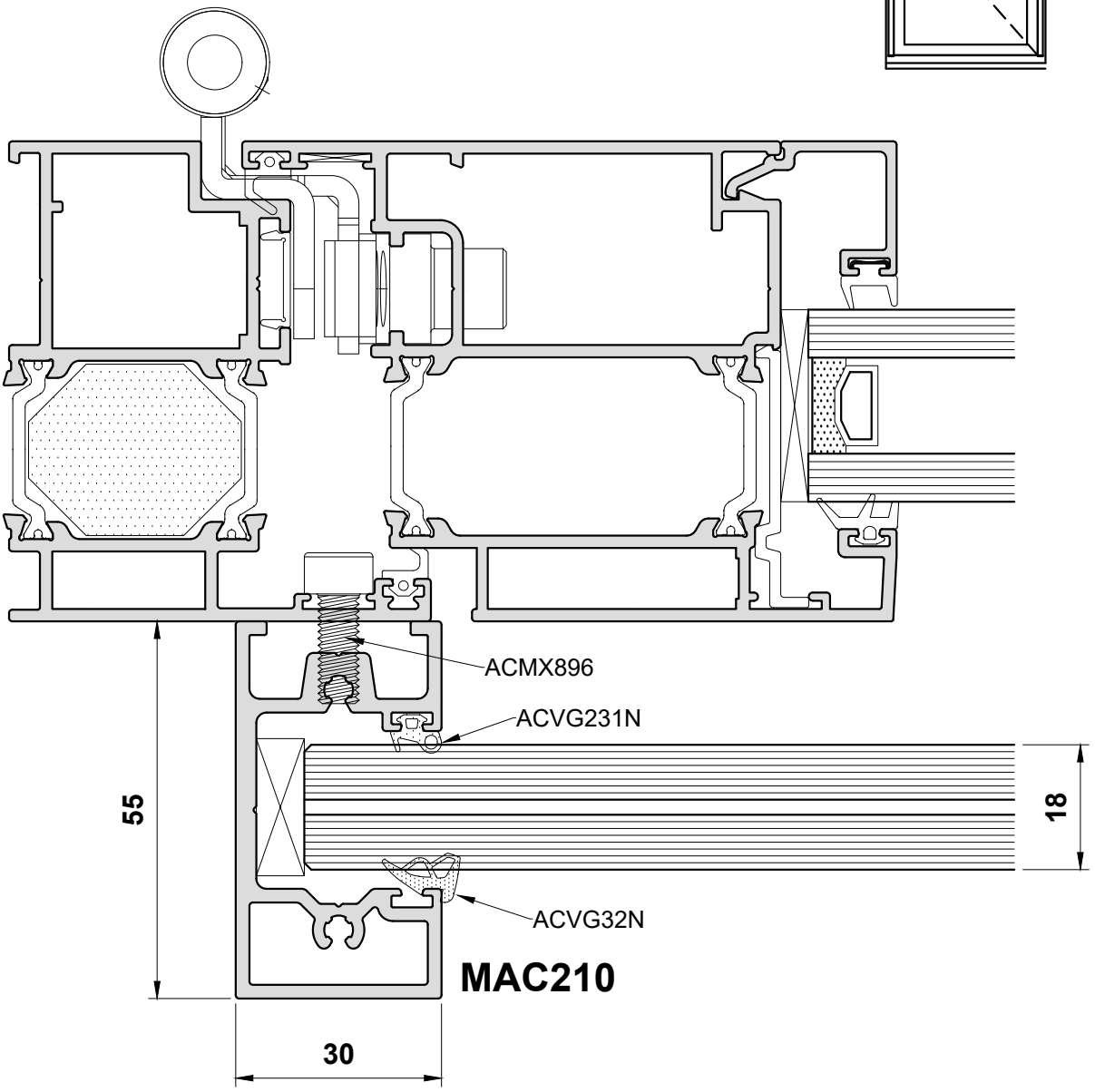


*THE RECEIVING PROFILE SHALL HAVE A MINIMUM ALUMINIUM WALL THICKNESS OF 1.7 MM, OR THE FIXING MUST PASS THROUGH TWO ALUMINIUM WALLS.

Do Not Scale From This Drawing

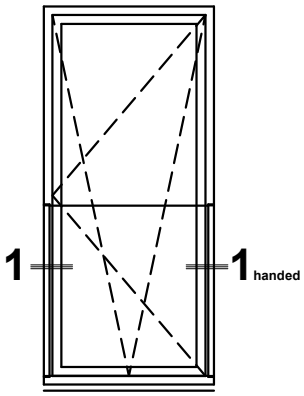
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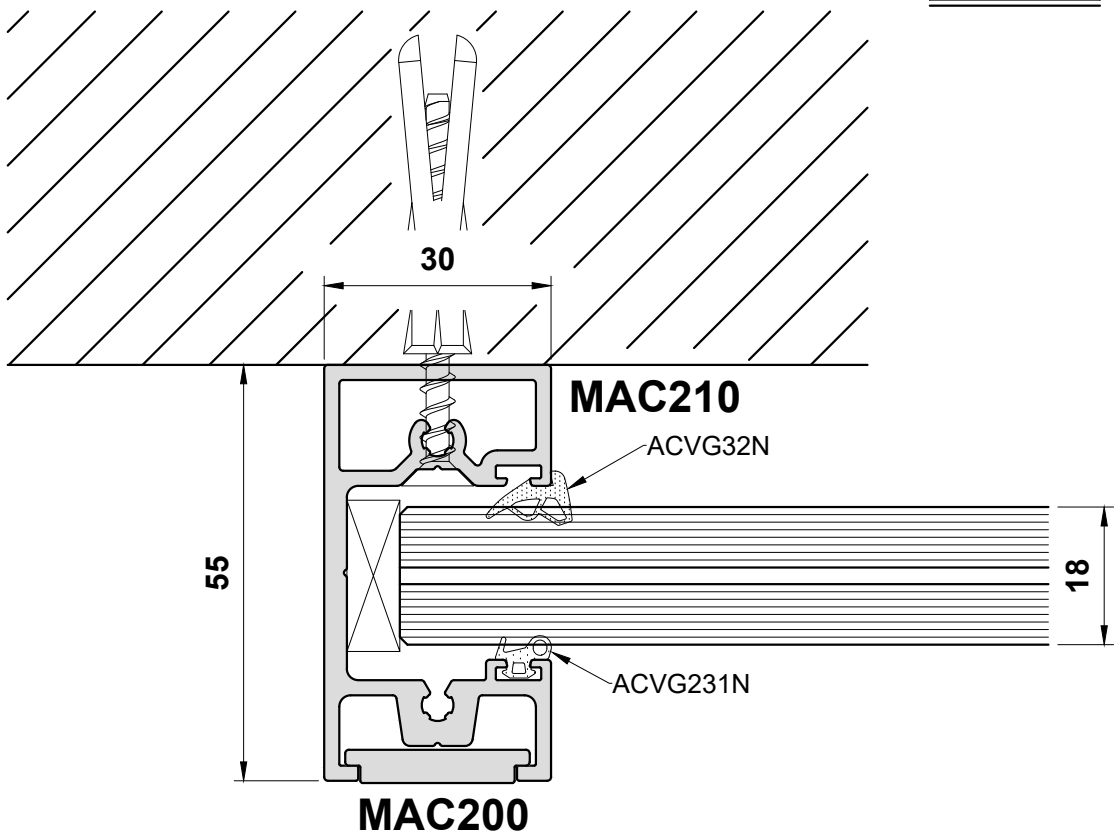




Do Not Scale From This Drawing

Detail 1D (Config. 4)

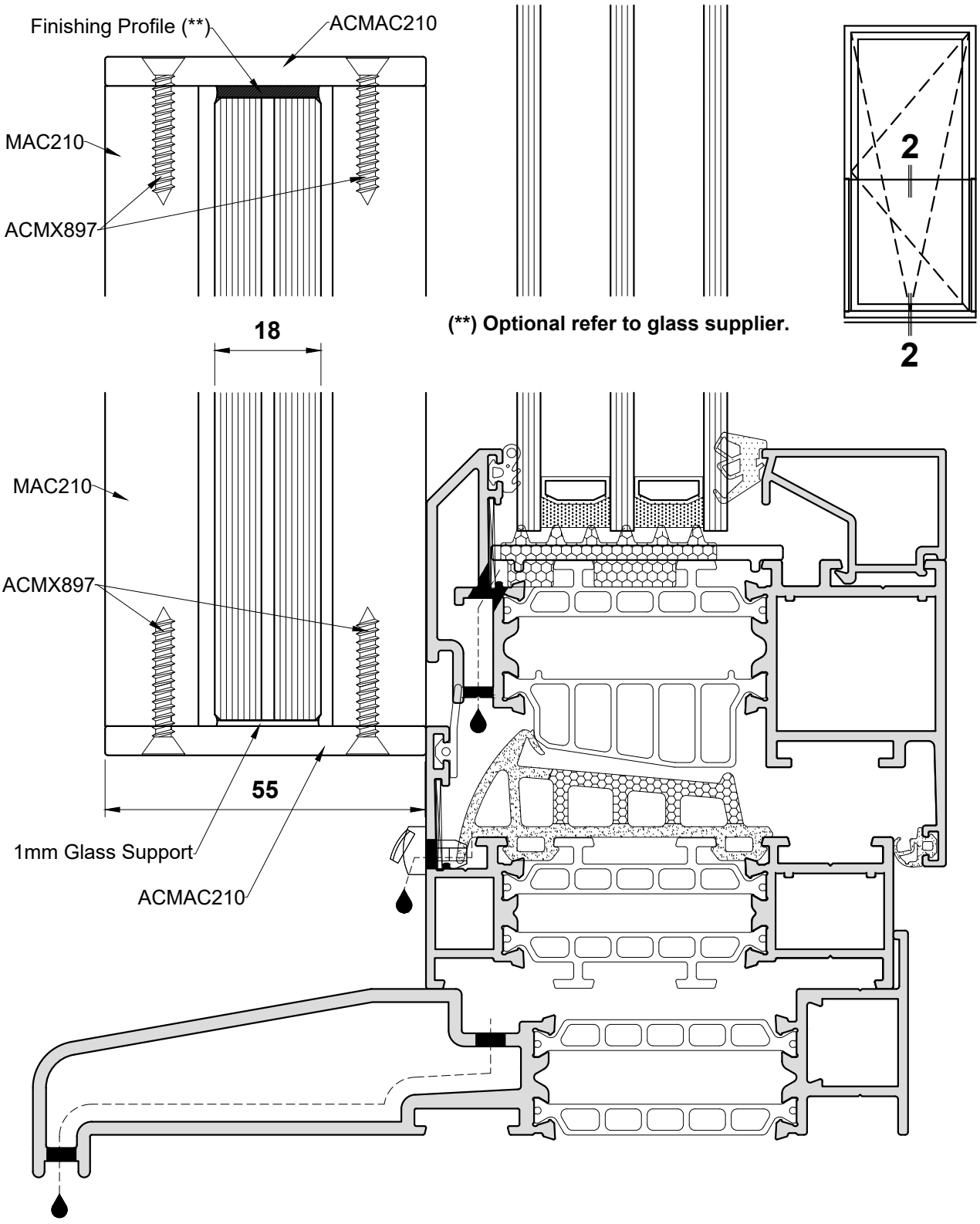




Do Not Scale From This Drawing

MAC GLASS

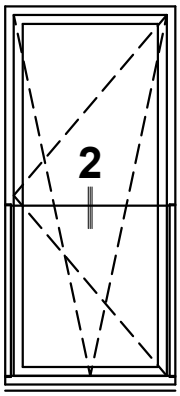
Detail 2A

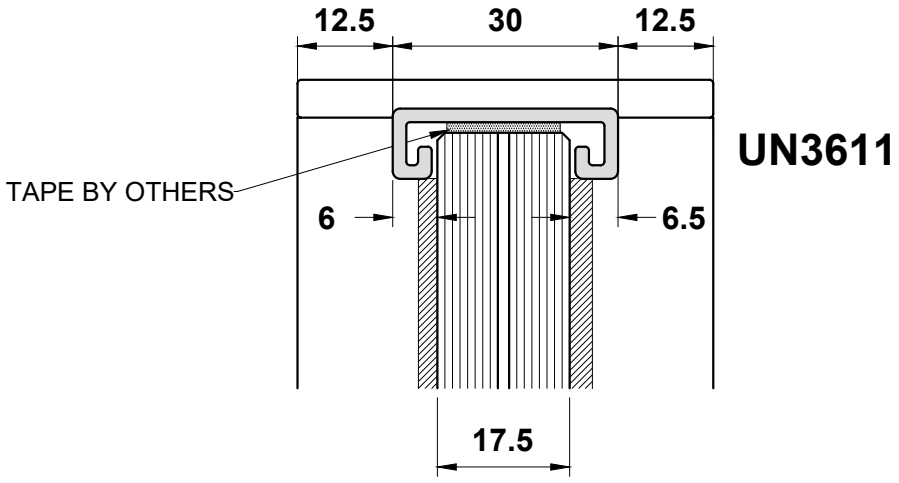


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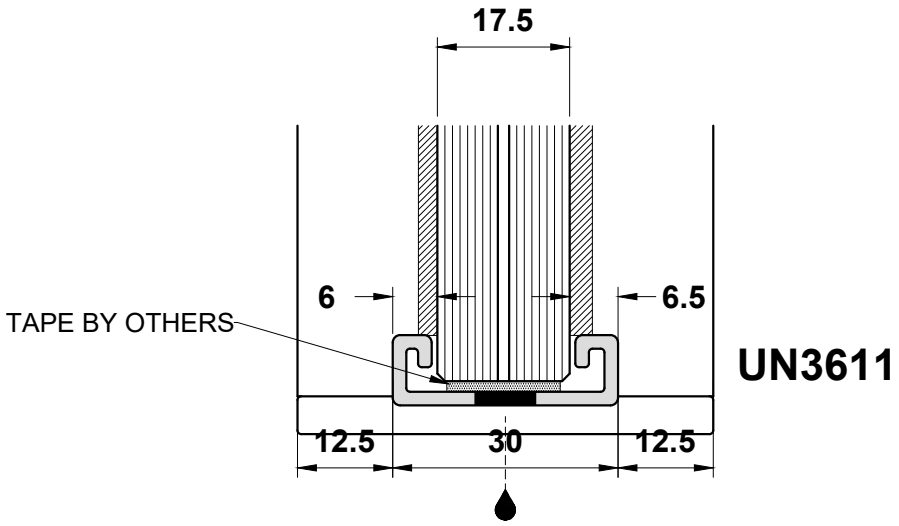
MAC GLASS

Detail 2B





UN3611

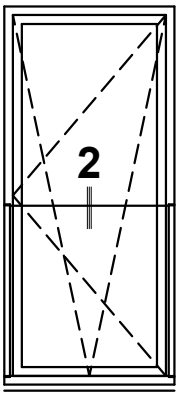


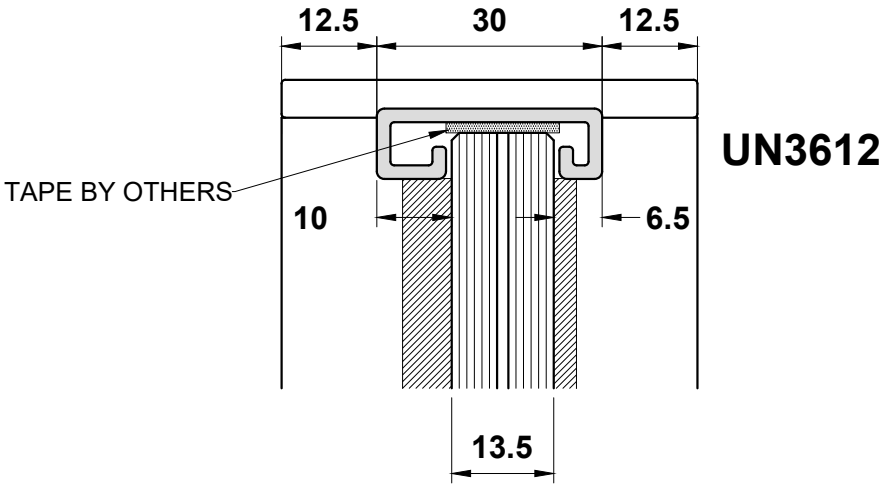
UN3611

PLEASE SEE SECTION E FOR RECOMMENDED GLAZING GASKETS

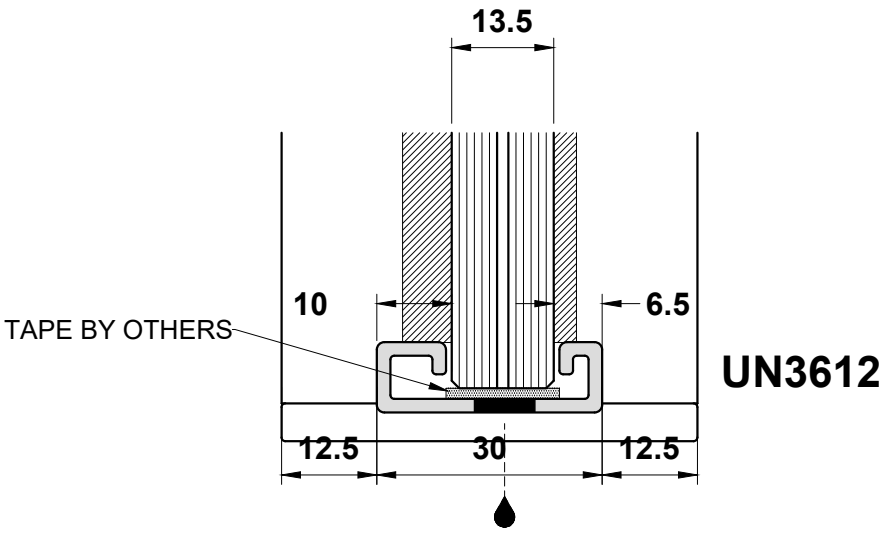
Do Not Scale From This Drawing

Detail 2C





UN3612



UN3612

PLEASE SEE SECTION E FOR RECOMMENDED GLAZING GASKETS

Do Not Scale From This Drawing

Section D

Statics

For Wind Loading Limitations, See Configuration pages in Section E or Contact The Technical Department - T: 01934 833100

Section E

E MAC Construction Drawings

Configurations..... E03 - E08

Exploded View..... E09

Assembly..... E10

Trim Drainage..... E11

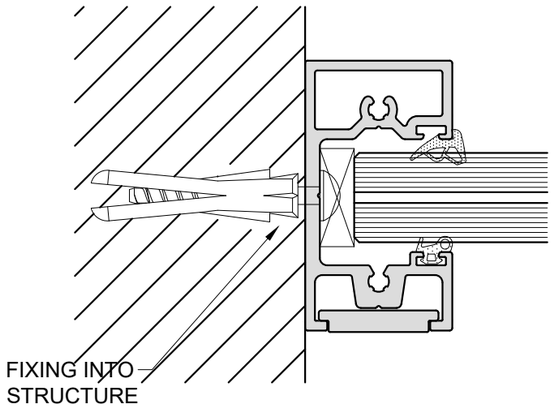
Trim Installation..... E12

Glazing Details..... E13

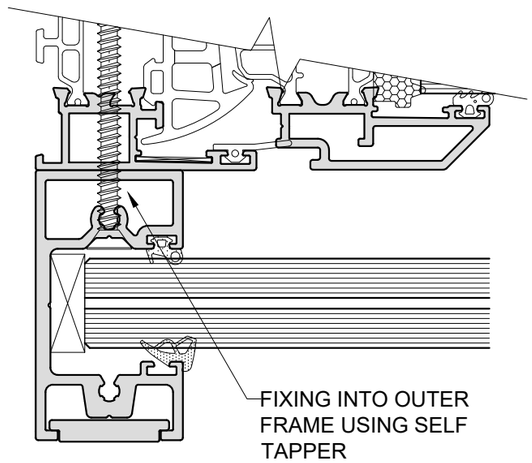
MAC GLASS

Configurations

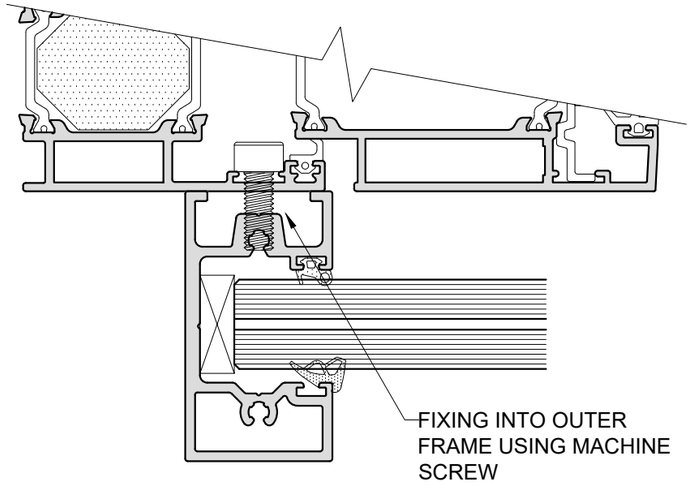
E04 - CONFIGURATION 1



E05 - CONFIGURATION 2

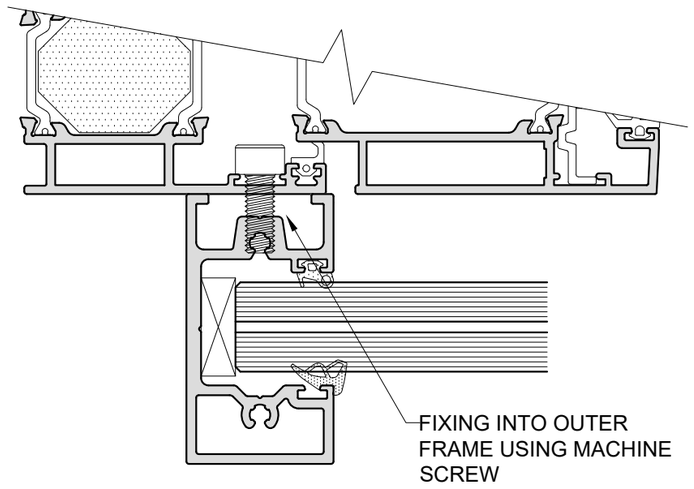


E06 - CONFIGURATION 3a*



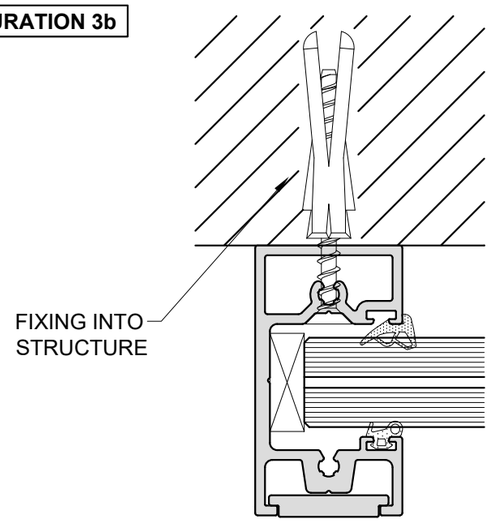
*SEE FIXING SPACING VARIANT

E07 - CONFIGURATION 3b*



*SEE FIXING SPACING VARIANT

E07 - CONFIGURATION 3b

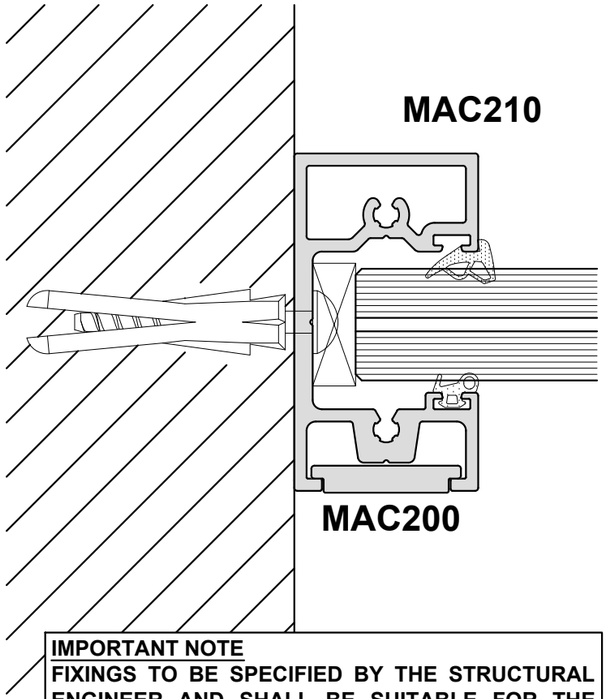


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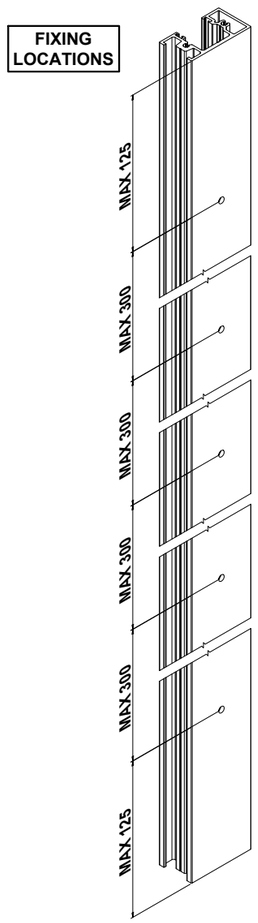
Configuration 1

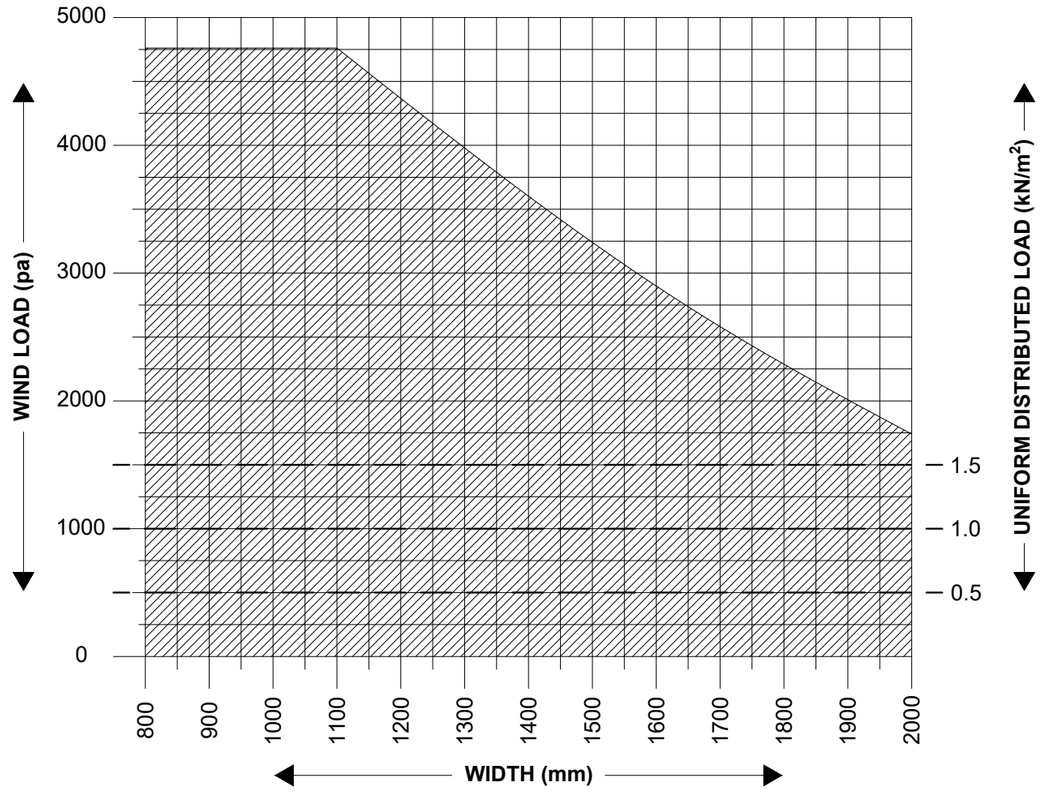
HOW TO USE GRAPH:

1. CALCULATE DESIGN LOAD FROM THE LARGER OF THE WIND LOAD IN ACCORDANCE WITH BS EN 1991-1-4 AND BARRIER LOAD TO BS EN 1991-1-1
2. SELECT THE GLASS PANEL SIZE, ENSURING THE PANEL WIDTH IS BETWEEN THE MINIMUM (800mm) AND MAXIMUM (2000mm) SIZE LIMITATIONS.
3. COMPARE CALCULATED PEAK WIND PRESSURE WITH THE MAXIMUM ALLOWABLE WIND PRESSURE AS SHOWN ON THE RELEVANT CONFIGURATION GRAPH. IF THE CALCULATED VALUE LIES BELOW THE CURVE, THE FIXING CONFIGURATION OF THE PROFILE IS ACCEPTABLE FOR THE DESIGN LOADS.
4. GLASS STRENGTH AND SUITABILITY TO BE DETERMINED BY GLAZING SUPPLIER.



IMPORTANT NOTE
FIXINGS TO BE SPECIFIED BY THE STRUCTURAL ENGINEER AND SHALL BE SUITABLE FOR THE RECEIVING SUBSTRATE AND WITHIN THE DESIGN LIMITATIONS.





NOTES:

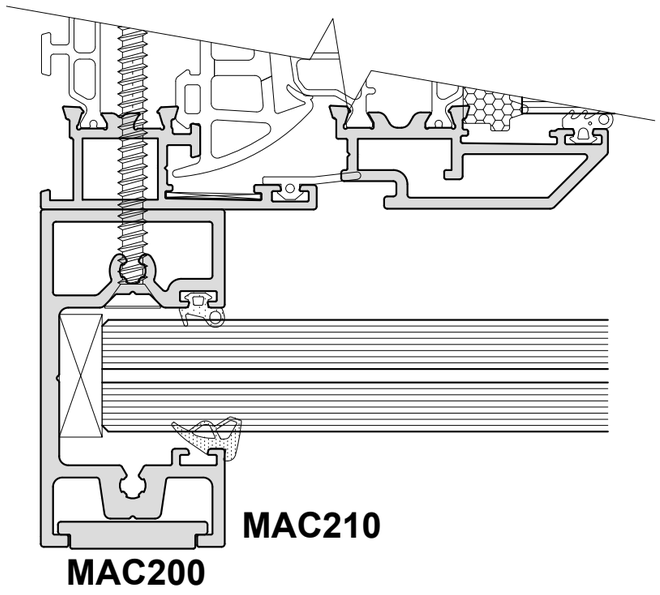
1. IF HIGH TURBULENCE WIND CONDITIONS ARE EXPECTED AT INSTALLATION SITE, SMART SYSTEMS LTD SHALL BE CONTACTED PRIOR TO INSTALLATION.
2. CALCULATIONS INCLUDE A UNIFORMLY DISTRIBUTED LINE LOAD OF 1.0 kN/m
3. ALL SCREWS AND BOLTS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 600MPa.
4. WIND LOADINGS HAVE BEEN CALCULATED USING A WIND PRESSURE COEFFICIENT OF 1.4.
5. THE GLASS PANEL LOADINGS SHALL BE VERIFIED SEPARATELY.
6. CONFIGURATION 1 VALUES ARE BASED ON A CONNECTION WITH A TENSILE RESISTANCE OF 5.7 kN AND SHEAR RESISTANCE OF 5.5 kN. THESE VALUES ARE TO BE CONFIRMED WITH FIXING SUPPLIER.
7. CONNECTIONS TO ANY EXTERNAL STRUCTURE SHALL BE CHECKED AND SPECIFIED SEPARATELY BY STRUCTURAL ENGINEER.

Do Not Scale From This Drawing

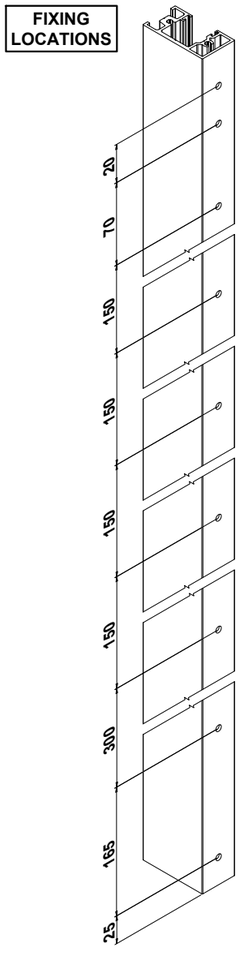
Configuration 2

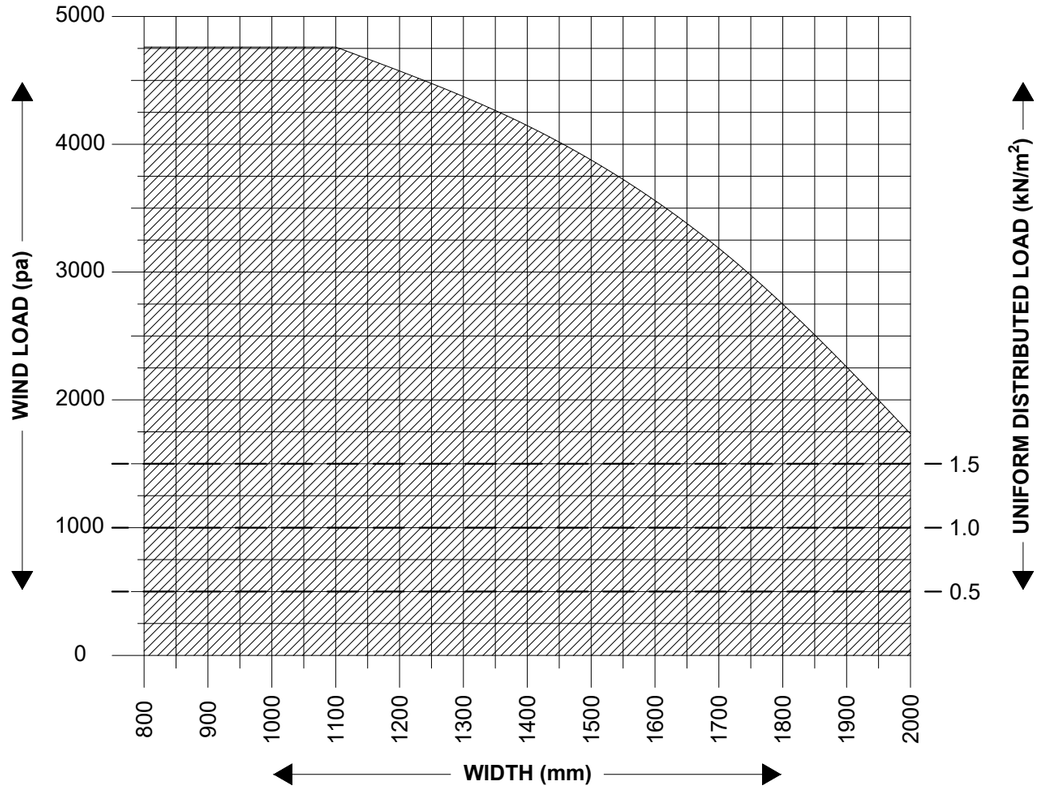
HOW TO USE GRAPH:

1. CALCULATE DESIGN LOAD FROM THE LARGER OF THE WIND LOAD IN ACCORDANCE WITH BS EN 1991-1-4 AND BARRIER LOAD TO BS EN 1991-1-1
2. SELECT THE GLASS PANEL SIZE, ENSURING THE PANEL WIDTH IS BETWEEN THE MINIMUM (800mm) AND MAXIMUM (2000mm) SIZE LIMITATIONS.
3. COMPARE CALCULATED PEAK WIND PRESSURE WITH THE MAXIMUM ALLOWABLE WIND PRESSURE AS SHOWN ON THE RELEVANT CONFIGURATION GRAPH. IF THE CALCULATED VALUE LIES BELOW THE CURVE, THE FIXING CONFIGURATION OF THE PROFILE IS ACCEPTABLE FOR THE DESIGN LOADS.
4. GLASS STRENGTH AND SUITABILITY TO BE DETERMINED BY GLAZING SUPPLIER.



IMPORTANT NOTE
THE RECEIVING PROFILE SHALL HAVE A MINIMUM ALUMINIUM WALL THICKNESS OF 1.7 MM, OR THE FIXING MUST PASS THROUGH TWO ALUMINIUM WALLS.





NOTES:

1. IF HIGH TURBULENCE WIND CONDITIONS ARE EXPECTED AT INSTALLATION SITE, SMART SYSTEMS LTD SHALL BE CONTACTED PRIOR TO INSTALLATION.
2. CALCULATIONS INCLUDE A UNIFORMLY DISTRIBUTED LINE LOAD OF 1.0 kN/m
3. ALL SCREWS AND BOLTS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 600MPa.
4. WIND LOADINGS HAVE BEEN CALCULATED USING A WIND PRESSURE COEFFICIENT OF 1.4.
5. THE GLASS PANEL LOADINGS SHALL BE VERIFIED SEPARATELY.
6. THE TENSILE RESISTANCE OF CONNECTIONS USED IN CONFIGURATIONS 2, 3a & 3b ARE BASED ON PHYSICAL TEST DATA.
7. CONNECTIONS TO ANY EXTERNAL STRUCTURE SHALL BE CHECKED AND SPECIFIED SEPARATELY BY STRUCTURAL ENGINEER.

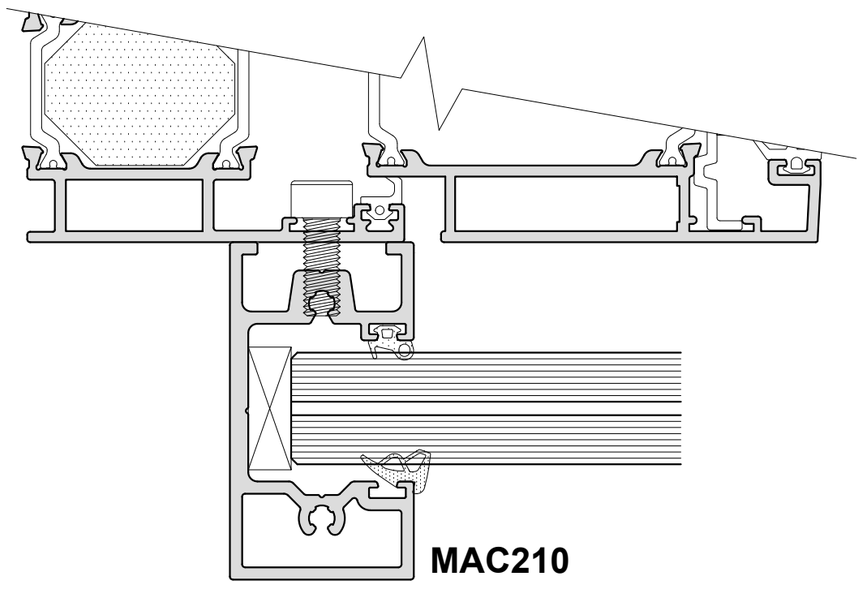
Do Not Scale From This Drawing

MAC GLASS

HOW TO USE GRAPH:

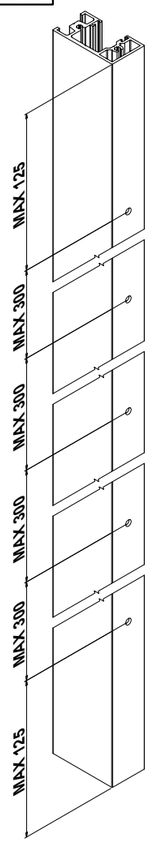
1. CALCULATE DESIGN LOAD FROM THE LARGER OF THE WIND LOAD IN ACCORDANCE WITH BS EN 1991-1-4 AND BARRIER LOAD TO BS EN 1991-1-1
2. SELECT THE GLASS PANEL SIZE, ENSURING THE PANEL WIDTH IS BETWEEN THE MINIMUM (800mm) AND MAXIMUM (2000mm) SIZE LIMITATIONS.
3. COMPARE CALCULATED PEAK WIND PRESSURE WITH THE MAXIMUM ALLOWABLE WIND PRESSURE AS SHOWN ON THE RELEVANT CONFIGURATION GRAPH. IF THE CALCULATED VALUE LIES BELOW THE CURVE, THE FIXING CONFIGURATION OF THE PROFILE IS ACCEPTABLE FOR THE DESIGN LOADS.
4. GLASS STRENGTH AND SUITABILITY TO BE DETERMINED BY GLAZING SUPPLIER.

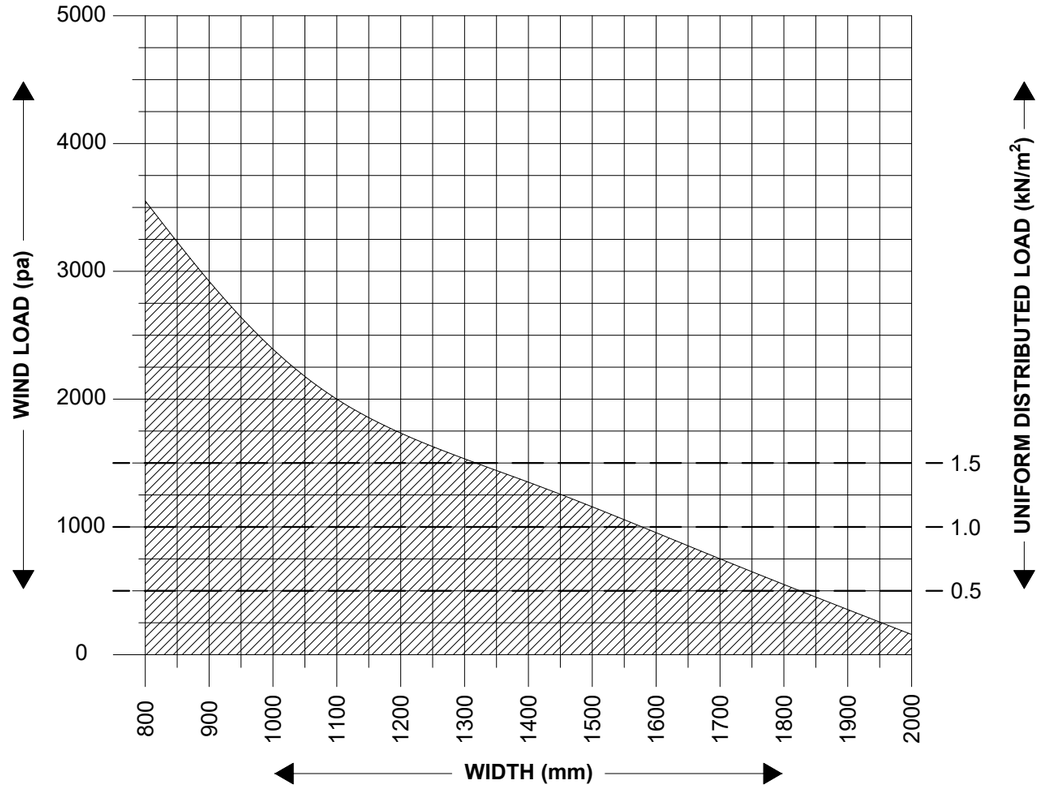
IMPORTANT NOTE:
CONFIGURATION 3a & 3b HAVE DIFFERENT FIXING POSITIONS.



MAC210

FIXING LOCATIONS





NOTES:

1. IF HIGH TURBULENCE WIND CONDITIONS ARE EXPECTED AT INSTALLATION SITE, SMART SYSTEMS LTD SHALL BE CONTACTED PRIOR TO INSTALLATION.
2. CALCULATIONS INCLUDE A UNIFORMLY DISTRIBUTED LINE LOAD OF 1.0 kN/m
3. ALL SCREWS AND BOLTS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 600MPa.
4. WIND LOADINGS HAVE BEEN CALCULATED USING A WIND PRESSURE COEFFICIENT OF 1.4.
5. THE GLASS PANEL LOADINGS SHALL BE VERIFIED SEPARATELY.
6. THE TENSILE RESISTANCE OF CONNECTIONS USED IN CONFIGURATIONS 2, 3a & 3b ARE BASED ON PHYSICAL TEST DATA.
7. CONNECTIONS TO ANY EXTERNAL STRUCTURE SHALL BE CHECKED AND SPECIFIED SEPARATELY BY STRUCTURAL ENGINEER.

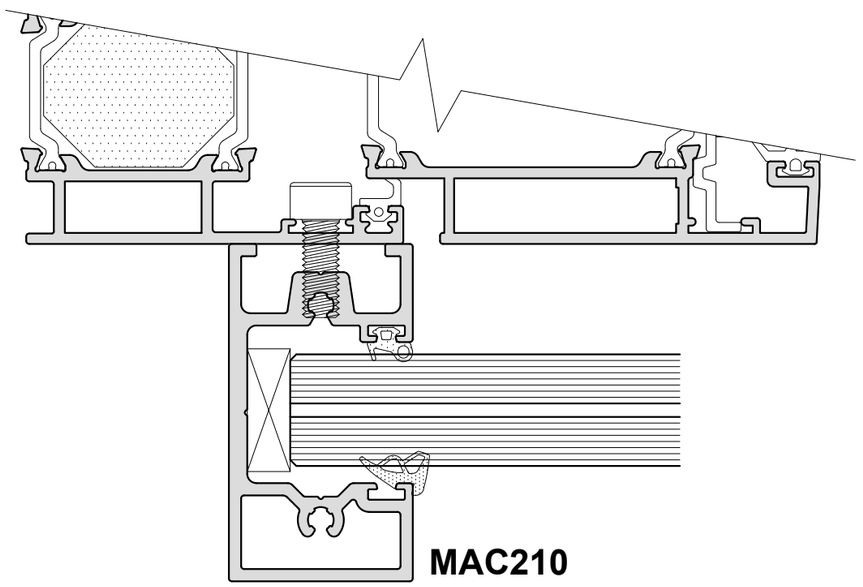
Do Not Scale From This Drawing

MAC GLASS

HOW TO USE GRAPH:

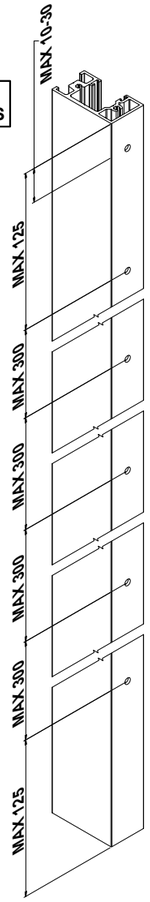
1. CALCULATE DESIGN LOAD FROM THE LARGER OF THE WIND LOAD IN ACCORDANCE WITH BS EN 1991-1-4 AND BARRIER LOAD TO BS EN 1991-1-1
2. SELECT THE GLASS PANEL SIZE, ENSURING THE PANEL WIDTH IS BETWEEN THE MINIMUM (800mm) AND MAXIMUM (2000mm) SIZE LIMITATIONS.
3. COMPARE CALCULATED PEAK WIND PRESSURE WITH THE MAXIMUM ALLOWABLE WIND PRESSURE AS SHOWN ON THE RELEVANT CONFIGURATION GRAPH. IF THE CALCULATED VALUE LIES BELOW THE CURVE, THE FIXING CONFIGURATION OF THE PROFILE IS ACCEPTABLE FOR THE DESIGN LOADS.
4. GLASS STRENGTH AND SUITABILITY TO BE DETERMINED BY GLAZING SUPPLIER.

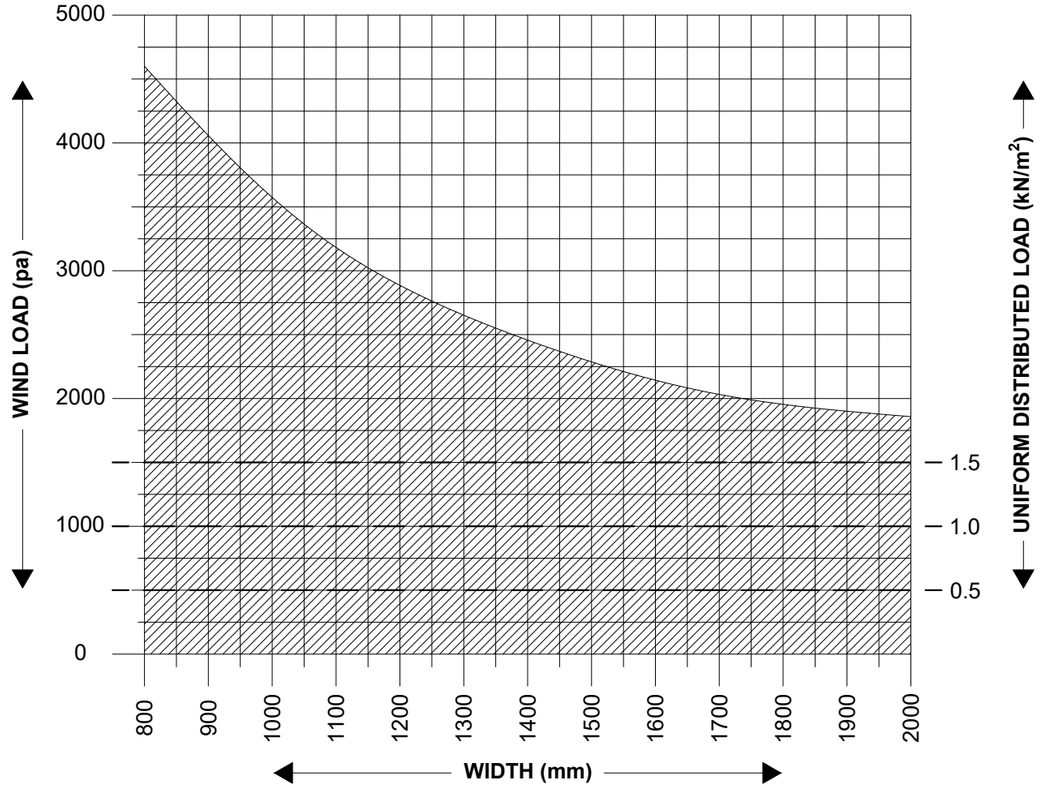
IMPORTANT NOTE:
CONFIGURATION 3a & 3b HAVE DIFFERENT FIXING POSITIONS.



MAC210

FIXING LOCATIONS





NOTES:

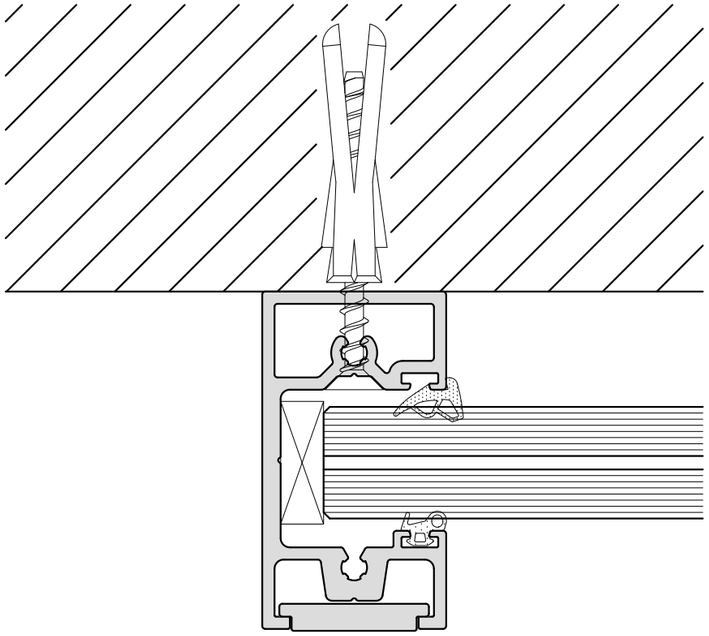
1. IF HIGH TURBULENCE WIND CONDITIONS ARE EXPECTED AT INSTALLATION SITE, SMART SYSTEMS LTD SHALL BE CONTACTED PRIOR TO INSTALLATION.
2. CALCULATIONS INCLUDE A UNIFORMLY DISTRIBUTED LINE LOAD OF 1.0 kN/m
3. ALL SCREWS AND BOLTS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 600MPa.
4. WIND LOADINGS HAVE BEEN CALCULATED USING A WIND PRESSURE COEFFICIENT OF 1.4.
5. THE GLASS PANEL LOADINGS SHALL BE VERIFIED SEPARATELY.
6. THE TENSILE RESISTANCE OF CONNECTIONS USED IN CONFIGURATIONS 2, 3a & 3b ARE BASED ON PHYSICAL TEST DATA.
7. CONNECTIONS TO ANY EXTERNAL STRUCTURE SHALL BE CHECKED AND SPECIFIED SEPARATELY BY STRUCTURAL ENGINEER.

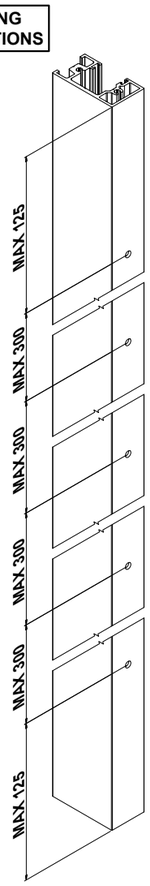
Do Not Scale From This Drawing

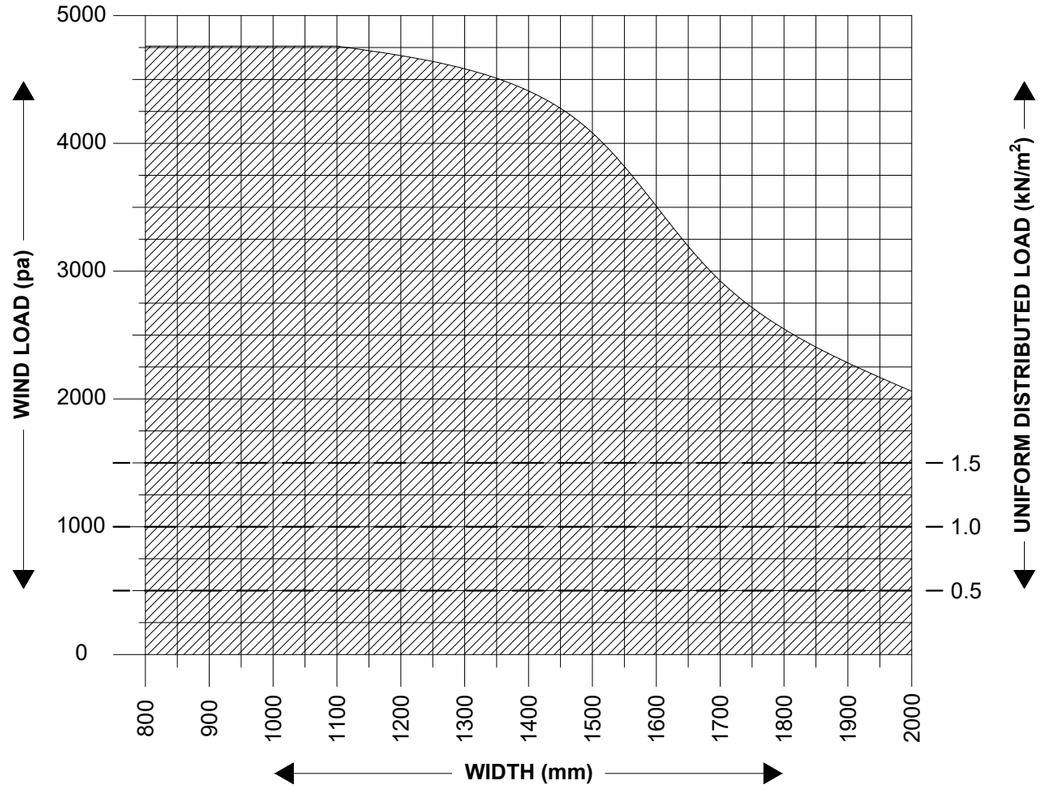
Configuration 4

HOW TO USE GRAPH:

1. CALCULATE DESIGN LOAD FROM THE LARGER OF THE WIND LOAD IN ACCORDANCE WITH BS EN 1991-1-4 AND BARRIER LOAD TO BS EN 1991-1-1
2. SELECT THE GLASS PANEL SIZE, ENSURING THE PANEL WIDTH IS BETWEEN THE MINIMUM (800mm) AND MAXIMUM (2000mm) SIZE LIMITATIONS.
3. COMPARE CALCULATED PEAK WIND PRESSURE WITH THE MAXIMUM ALLOWABLE WIND PRESSURE AS SHOWN ON THE RELEVANT CONFIGURATION GRAPH. IF THE CALCULATED VALUE LIES BELOW THE CURVE, THE FIXING CONFIGURATION OF THE PROFILE IS ACCEPTABLE FOR THE DESIGN LOADS.
4. GLASS STRENGTH AND SUITABILITY TO BE DETERMINED BY GLAZING SUPPLIER.







IMPORTANT NOTE

FIXINGS TO BE SPECIFIED BY THE STRUCTURAL ENGINEER AND SHALL BE SUITABLE FOR THE RECEIVING SUBSTRATE AND WITHIN THE DESIGN LIMITATIONS.

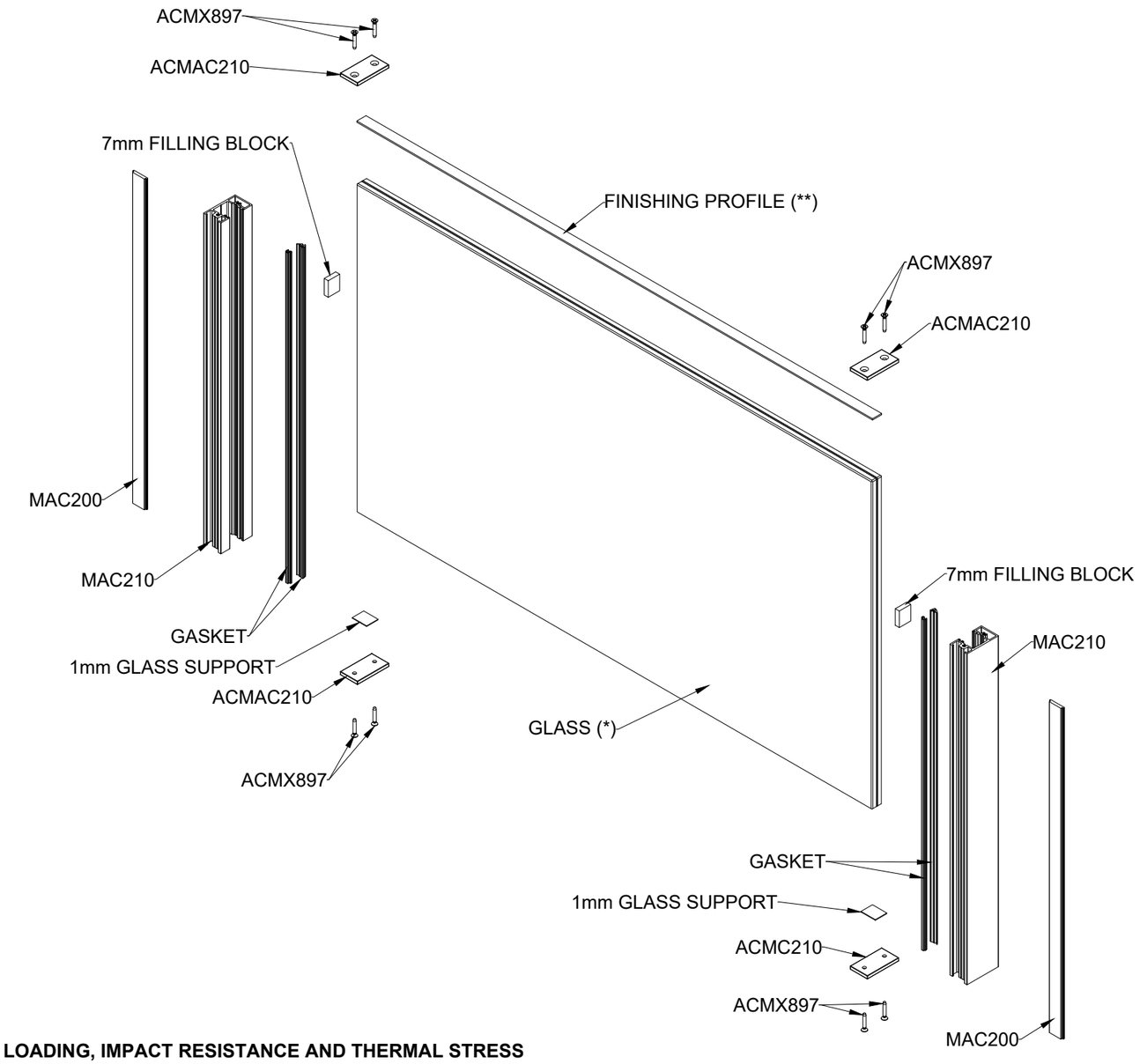
NOTES:

1. IF HIGH TURBULENCE WIND CONDITIONS ARE EXPECTED AT INSTALLATION SITE, SMART SYSTEMS LTD SHALL BE CONTACTED PRIOR TO INSTALLATION.
2. CALCULATIONS INCLUDE A UNIFORMLY DISTRIBUTED LINE LOAD OF 1.0 kN/m
3. ALL SCREWS AND BOLTS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 600MPa.
4. WIND LOADINGS HAVE BEEN CALCULATED USING A WIND PRESSURE COEFFICIENT OF 1.4.
5. THE GLASS PANEL LOADINGS SHALL BE VERIFIED SEPARATELY.
6. CONFIGURATION 4 VALUES ARE BASED ON A TENSILE AND SHEAR RESISTANCE OF 2.0kN. THESE VALUES ARE TO BE CONFIRMED WITH FIXING SUPPLIER.
7. CONNECTIONS TO ANY EXTERNAL STRUCTURE SHALL BE CHECKED AND SPECIFIED SEPARATELY BY STRUCTURAL ENGINEER.

Do Not Scale From This Drawing

Exploded View

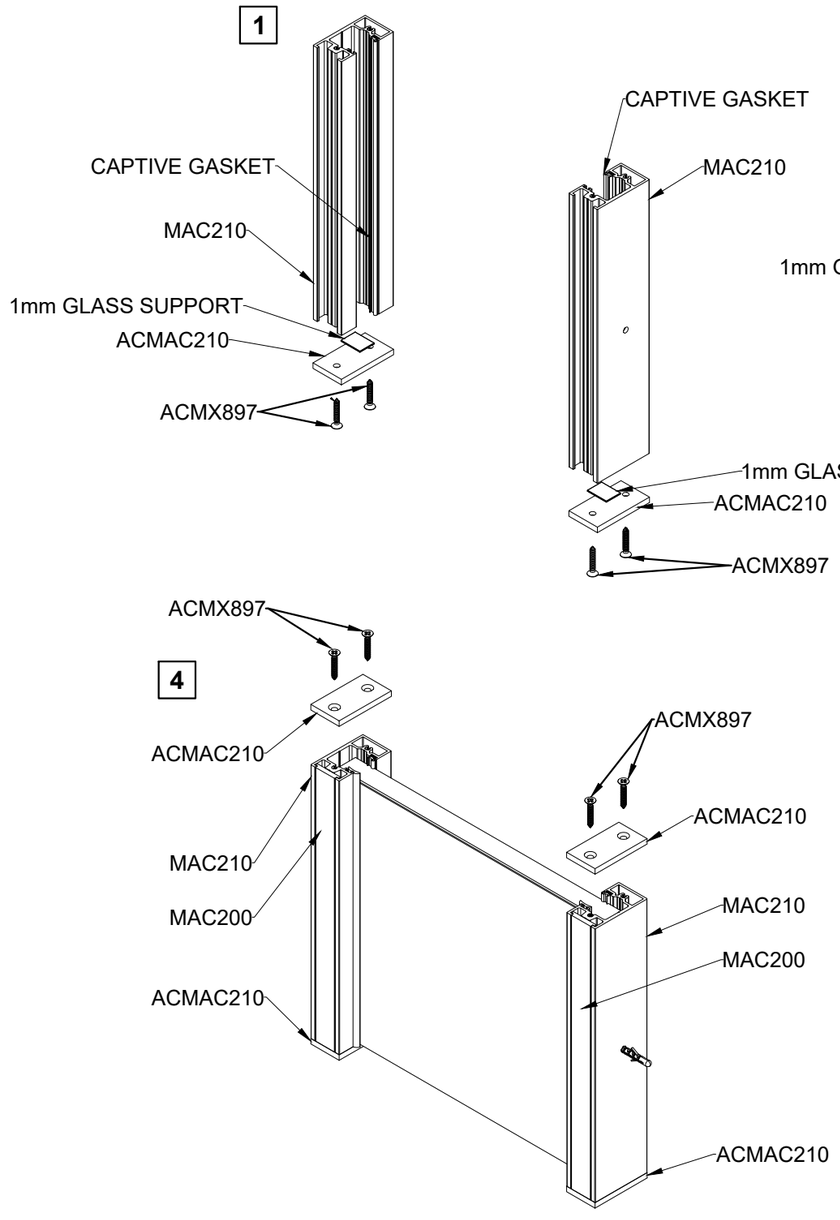
(**) OPTIONAL REFER TO GLASS SUPPLIER OR SEE UN3611/UN3612



(*) GLASS MUST COMPLY WITH THE BARRIER LOADING, IMPACT RESISTANCE AND THERMAL STRESS REQUIREMENTS, REFER TO THE ARCHITECT, STRUCTURAL ENGINEER AND GLASS SUPPLIER.

MAC GLASS

Assembly

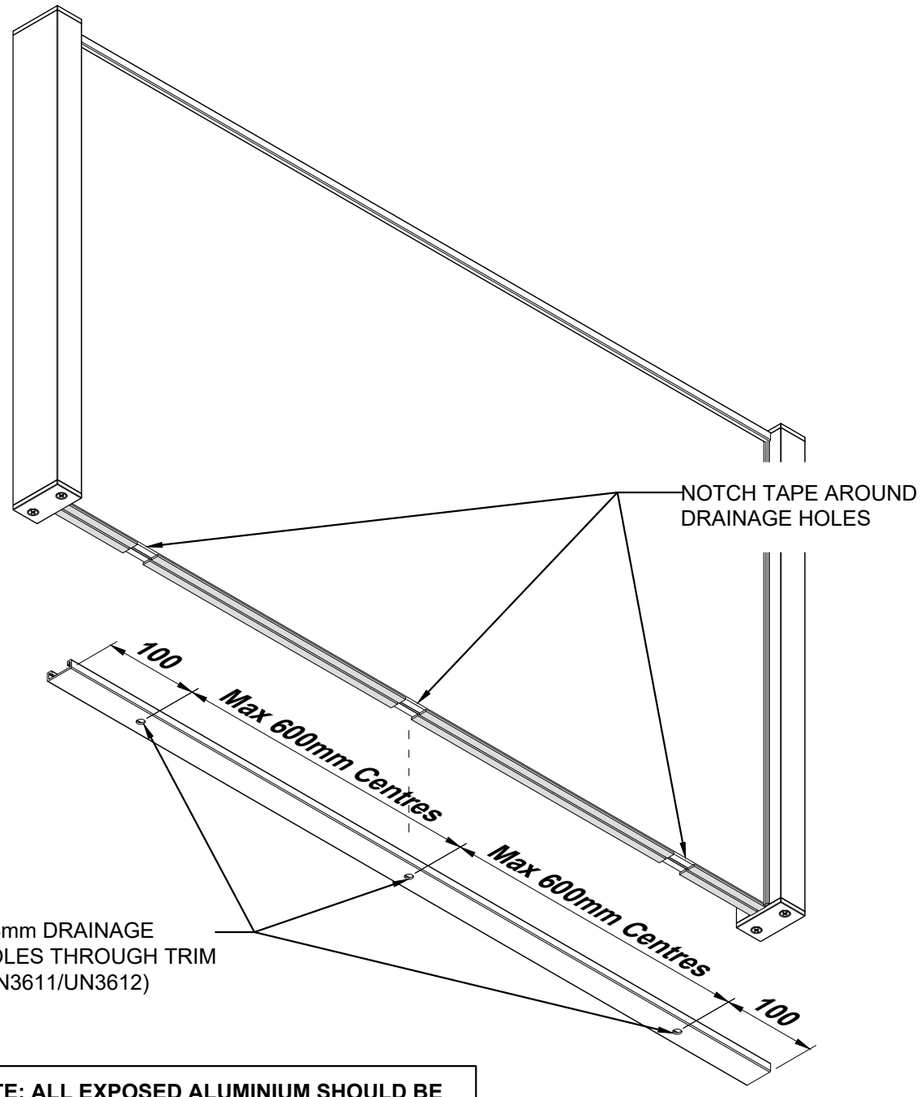


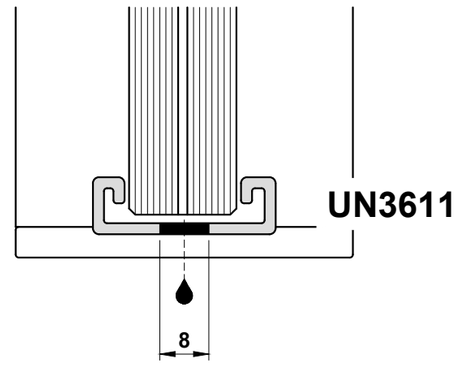
(*) GENERIC FIXING METHOD SHOWN. SEE FIXING METHOD PAGE FOR FURTHER DETAILS. THE APPROPRIATE FIXING METHOD SHALL BE SPECIFIED PER APPLICATION.

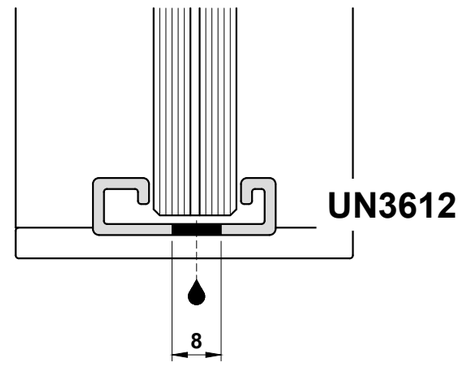
(**) OPTIONAL REFER TO GLASS SUPPLIER OR SEE UN3611/UN3612

Do Not Scale From This Drawing

Trim Drainage







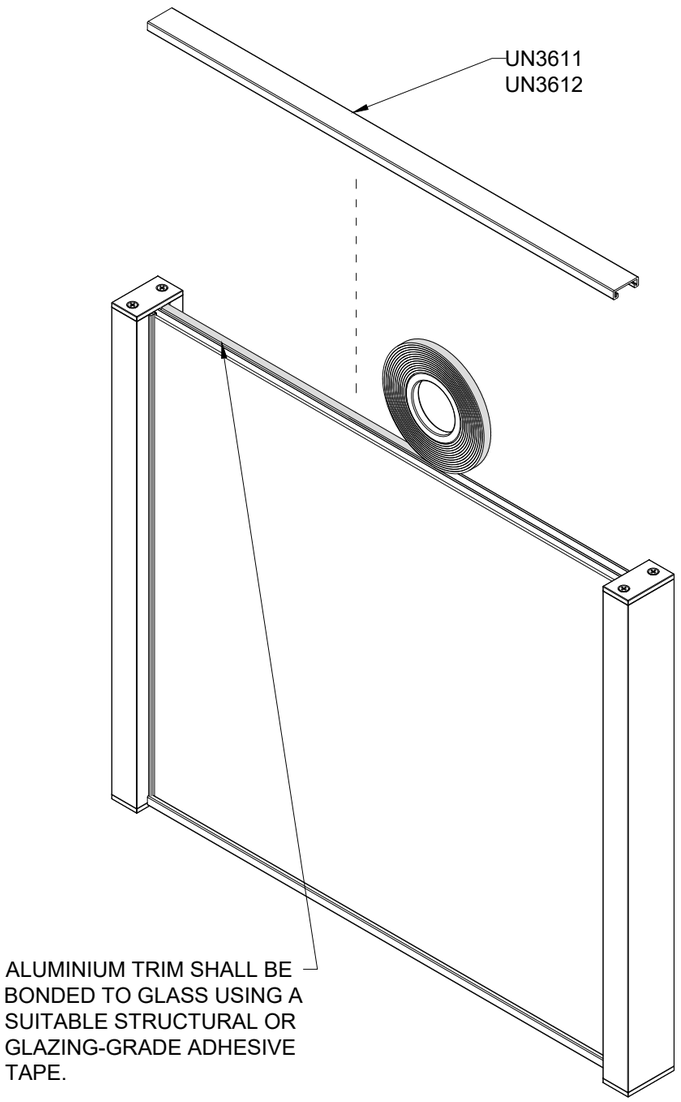
IMPORTANT NOTE: ALL EXPOSED ALUMINIUM SHOULD BE COATED USING ACSIL014 OR PAINTED TO MATCH THE FRAME.

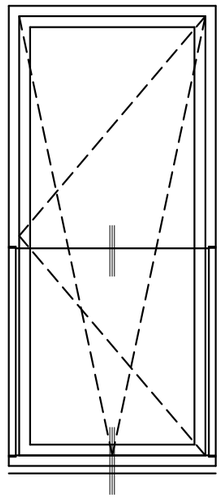
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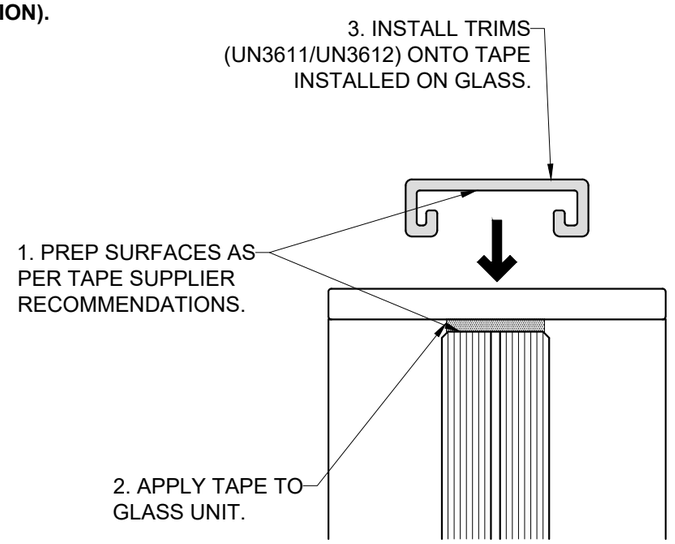
Trim Installation

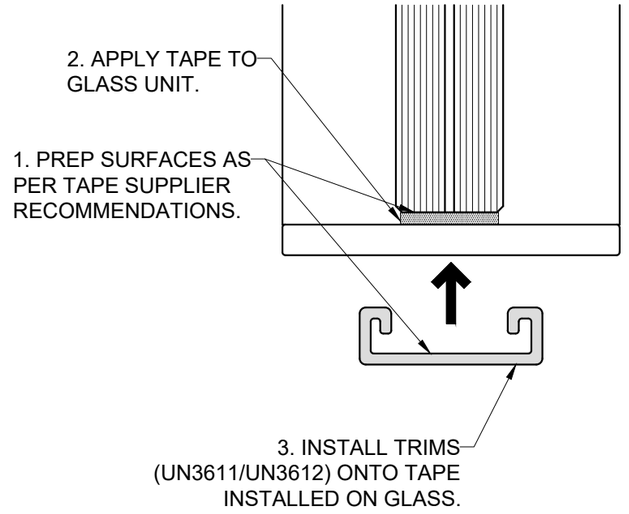
TRIMS ARE OPTIONAL.
SUITABLE FOR 17.5 mm AND 13.5 mm UNITS (SEE GLAZING CHARTS FOR GASKET SELECTION).
USED TO CONCEAL LAMINATE INTERLAYERS OR FOR AESTHETIC FINISHING.

TAPE SUPPLIED BY OTHERS.







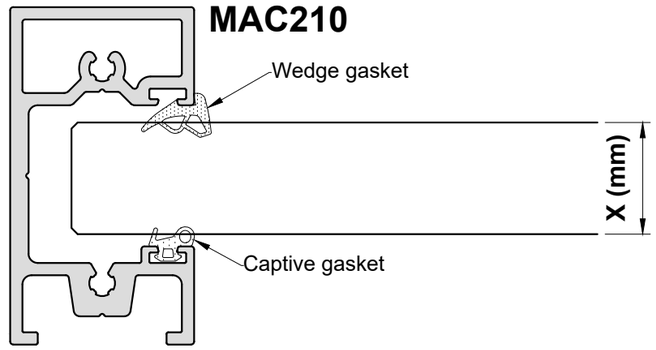


Do Not Scale From This Drawing

Glazing Details

NOTE: GLASS MUST COMPLY WITH THE BARRIER LOADING, IMPACT RESISTANCE AND THERMAL STRESS REQUIREMENTS, REFER TO THE ARCHITECT AND GLASS SUPPLIER.

MAC210



		ACVG32N	ACVG33N	ACVG34N	ACVG340N
		X (mm)	X (mm)	X (mm)	X (mm)
ACVG231N		18	17	16	15
ACVG31N		17.5 17	16	15	14
ACVG131N		16	15	14	13

		ACUN033		ACUN036	
		X max (mm)	X min (mm)	X max (mm)	X min (mm)
ACVG231N		18	16	15	13
ACVG31N		17	15	14 13.5	12
ACVG131N		16	14	13	11

Do Not Scale From This Drawing

Do Not Scale From This Drawing

Section F

F MAC

Sawing Tables

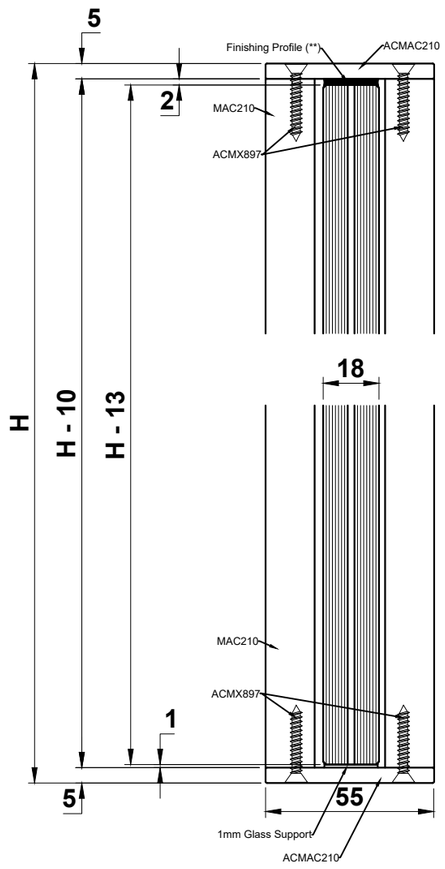
Cutting Sheets..... F03 - F05

Section F

MAC GLASS

Cutting Information

(**) Optional refer to glass supplier.



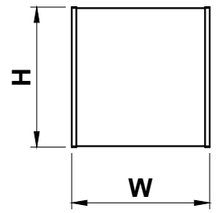
PROFILES

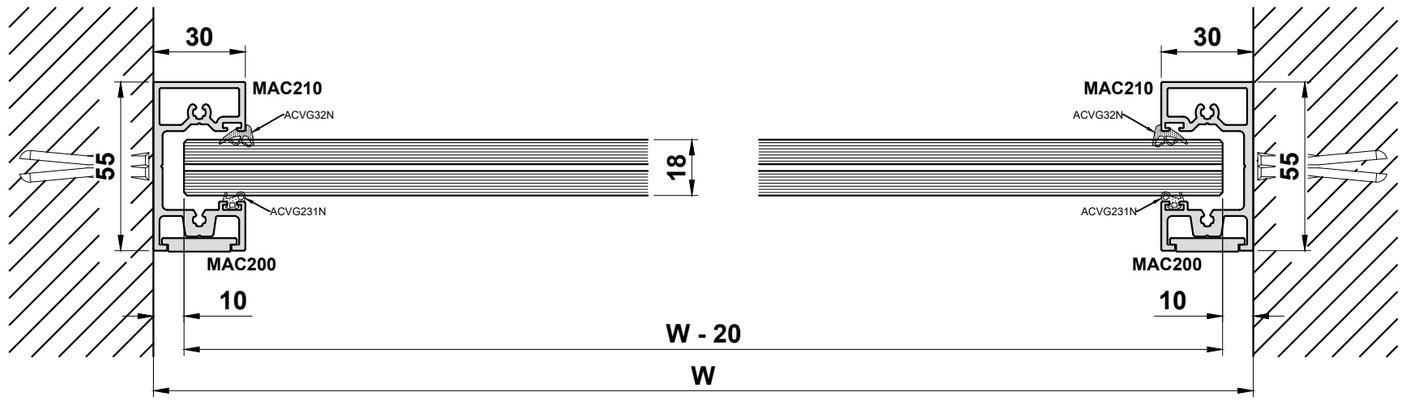
MAC210	2		H - 10
MAC200	2		H - 10

ACCESSORIES

ACMA210	4	End Plate
ACVG231N	2 (H - 10)	Captive Gasket
ACVG32N	2 (H - 10)	Wedge Gasket

GLASS
W - 20 X H - 13





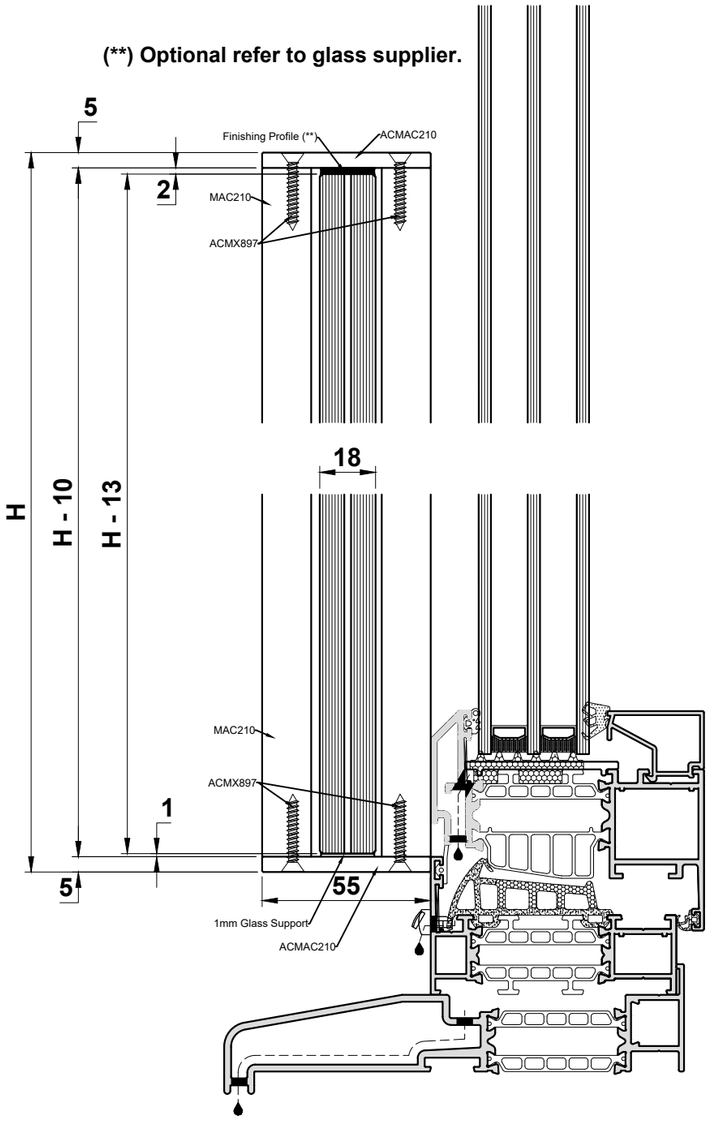
Do Not Scale From This Drawing

MAC GLASS

SAWING TABLES :

Cutting Information

(**) Optional refer to glass supplier.



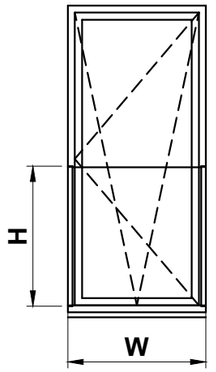
PROFILES

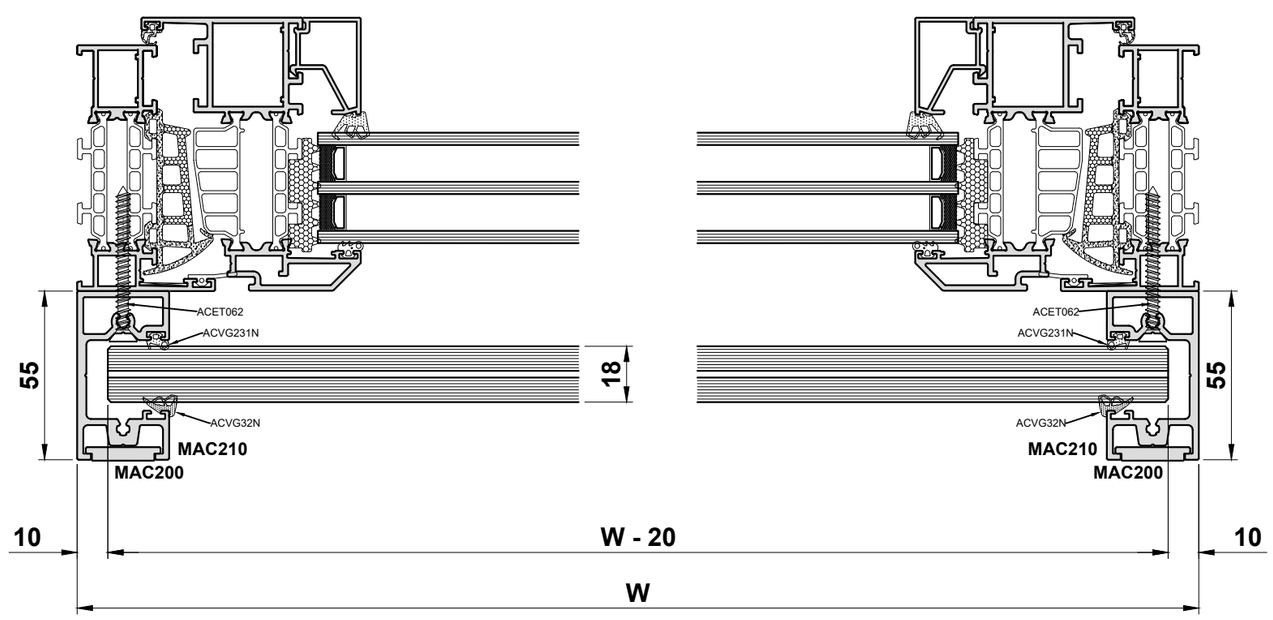
MAC210	2		H - 10
MAC200	2		H - 10

ACCESSORIES

ACMA210	4	End Plate
ACVG231N	2 (H - 10)	Captive Gasket
ACVG32N	2 (H - 10)	Wedge Gasket

GLASS
W - 20 X H - 13



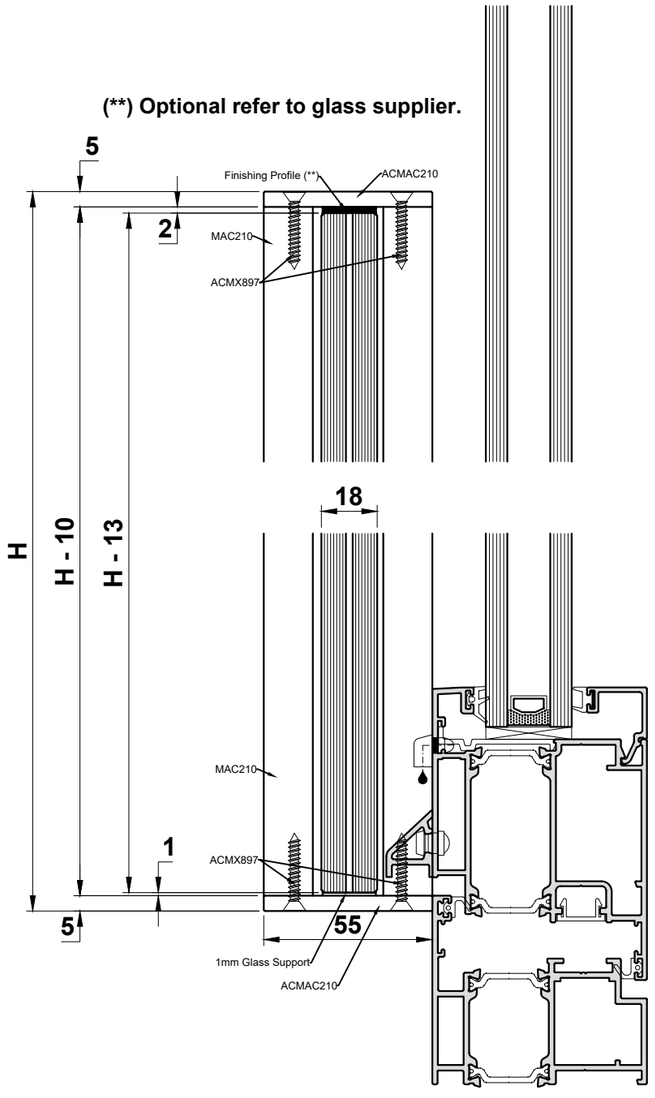


Do Not Scale From This Drawing

MAC GLASS

Cutting Information

(**) Optional refer to glass supplier.



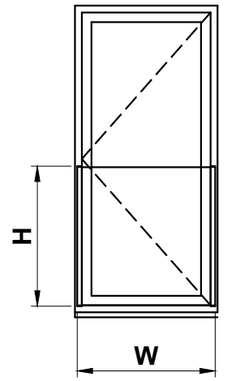
PROFILES

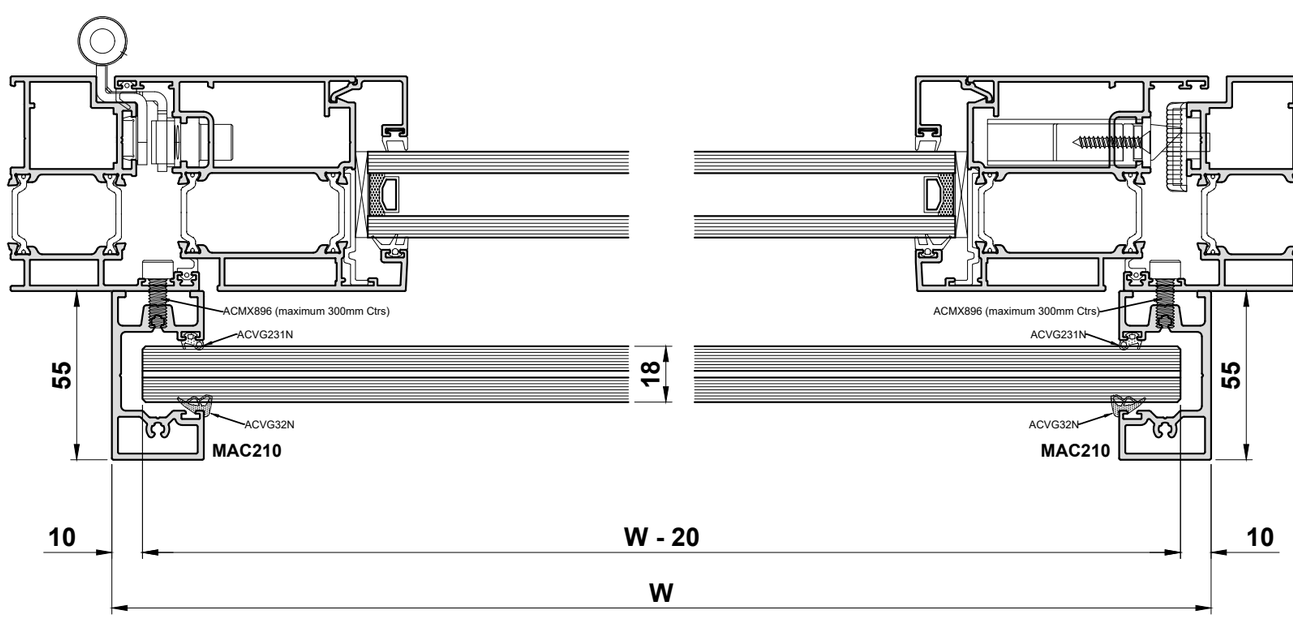
MAC210	2			H - 10

ACCESSORIES

ACMA210	4	End Plate
ACVG231N	2 (H - 10)	Captive Gasket
ACVG32N	2 (H - 10)	Wedge Gasket

GLASS
W - 20 X H - 13





Do Not Scale From This Drawing

SAWING TABLES :

Cutting Information

Do Not Scale From This Drawing