



LB
ALUMINIUM
BERHAD
138535-V



C1.0

An elegance and tough casement window system that performs at very competitive cost.



Performance Range

- Medium duty.

Typical Technical Features

Nominal Wall Thickness	- 1.2 mm
Standard Frame Depth	- 41 mm (Outer) / 35 mm (Inner)
Maximum Frame / Mullion Depth	- 100 mm
Glazing Gap	- 14 - 18 mm
Flush Face on outside	
Sub-Sill / Sub-Frame for better water drainage	

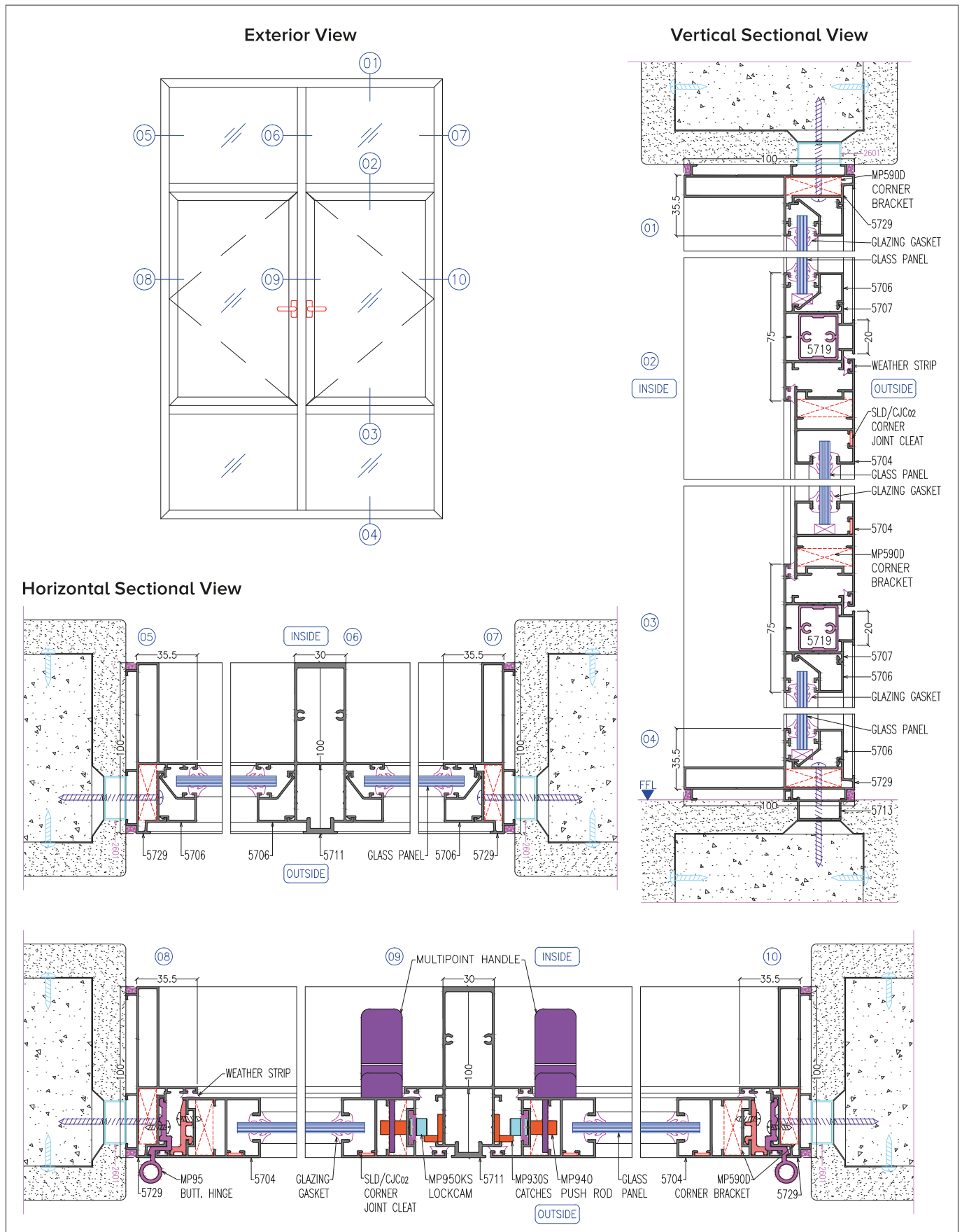


Accessories Options

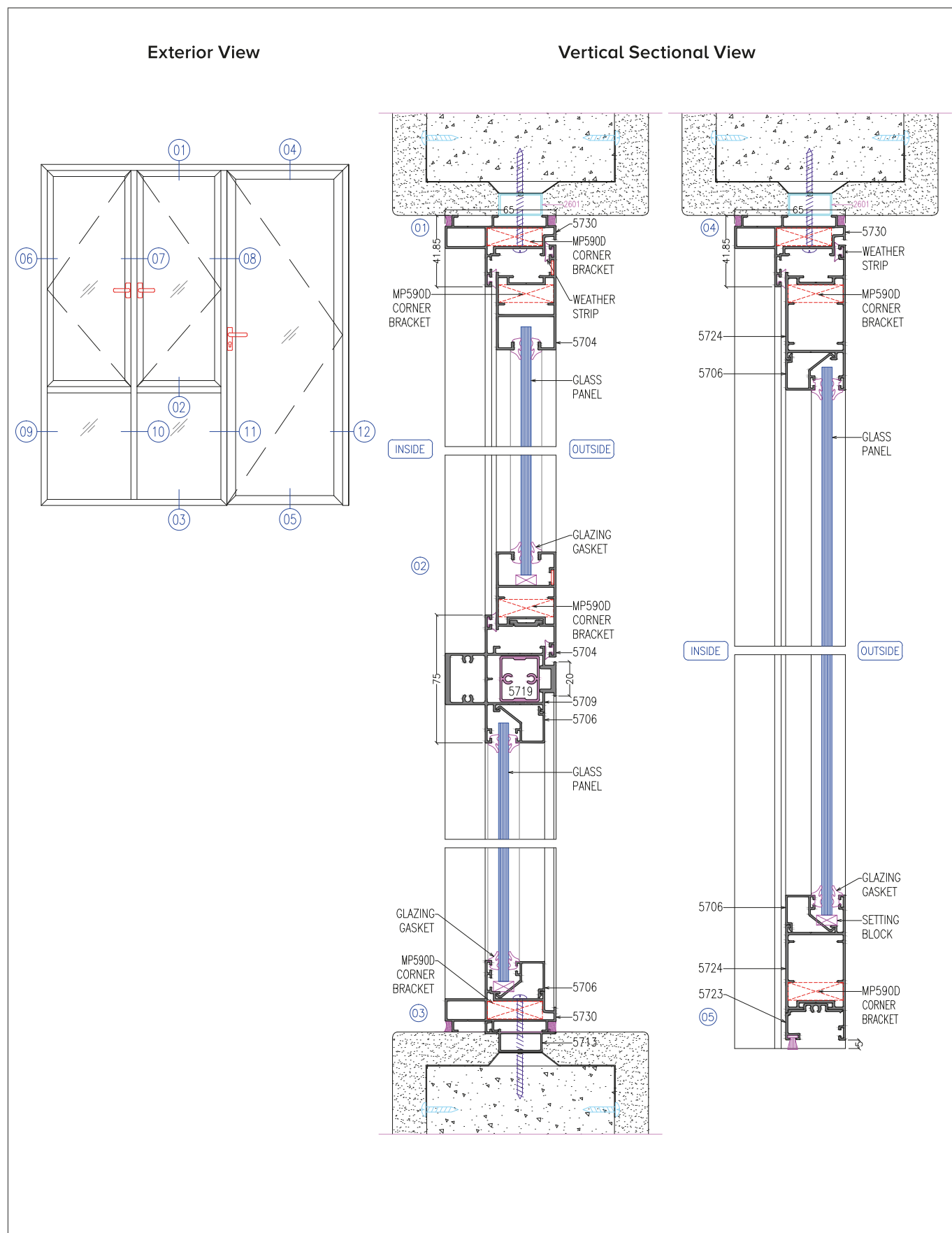
Multipoint / Single-Point Locking System, Butt. Hinges (Exposed) or Friction Stays Corner Brackets



Typical Assembly Details - Figure 1

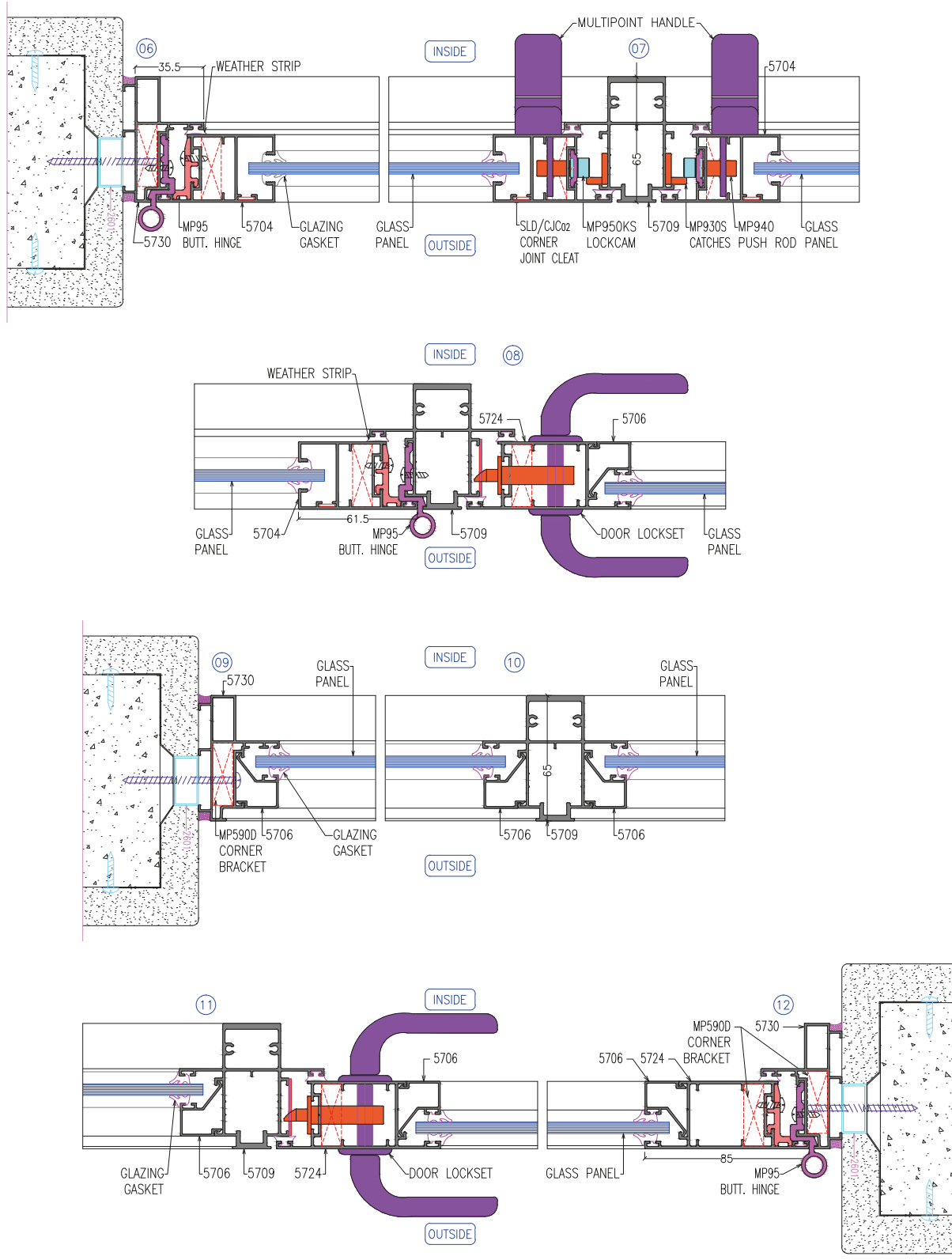


Typical Assembly Details - Figure 2



Typical Assembly Details - Figure 2

Horizontal Sectional View

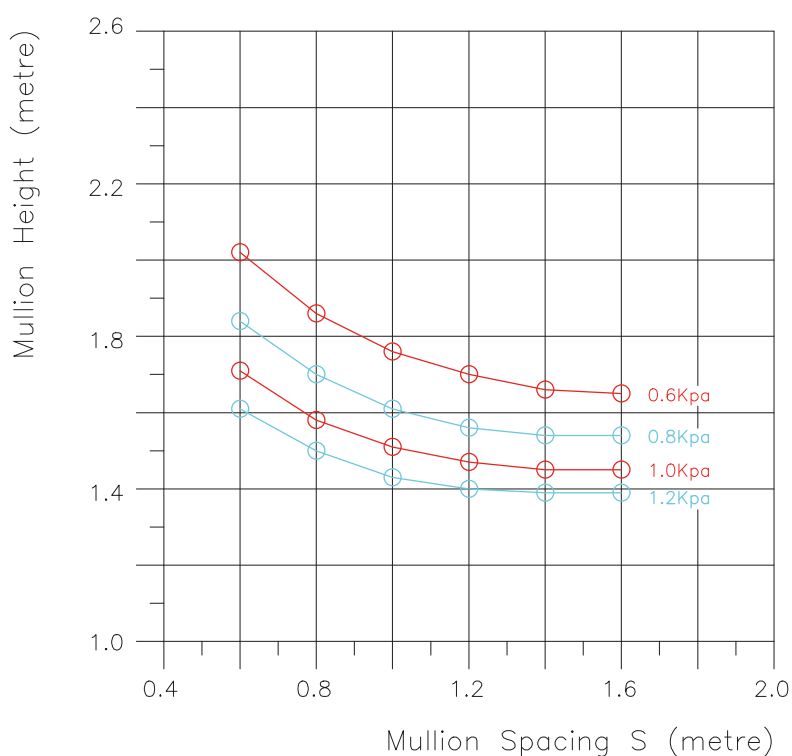
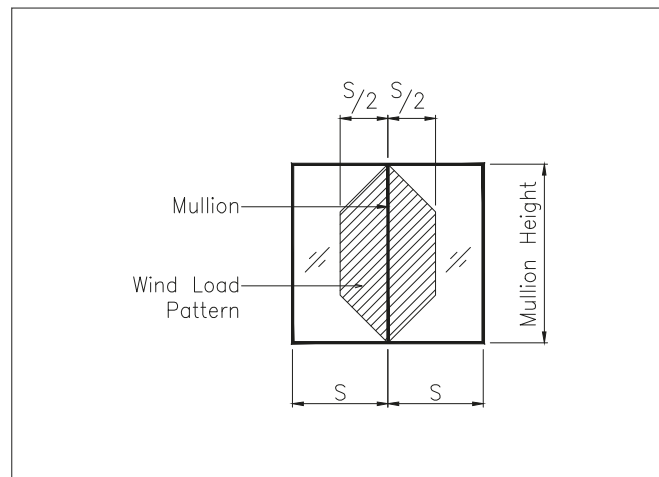
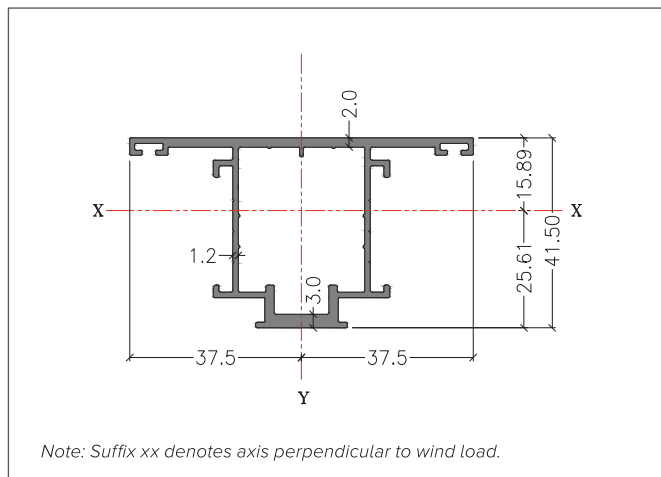


Wind Load Chart

Mullion Section No. : 5708
Aluminium Alloy : 6063 - T5
Moment of Inertia Ixx : 9.29 cm⁴
Mod. of Inertia Zxx : 3.63 cm³

Mod. of Elasticity : 70 x 10⁹ n/m²
Deflection Limit : Span/175 up to max. 20 mm
Perm. Bend. Stress : 1.25 x 67 Mpa
(within slenderness limit)
Nature of Anchor : Simply Supported at Both Ends

Typical Configuration of Window:



Legend:

○ Deflection limit governs

◇ Permissible bending stress governs

- This chart is applicable to wind load pattern as shown only.

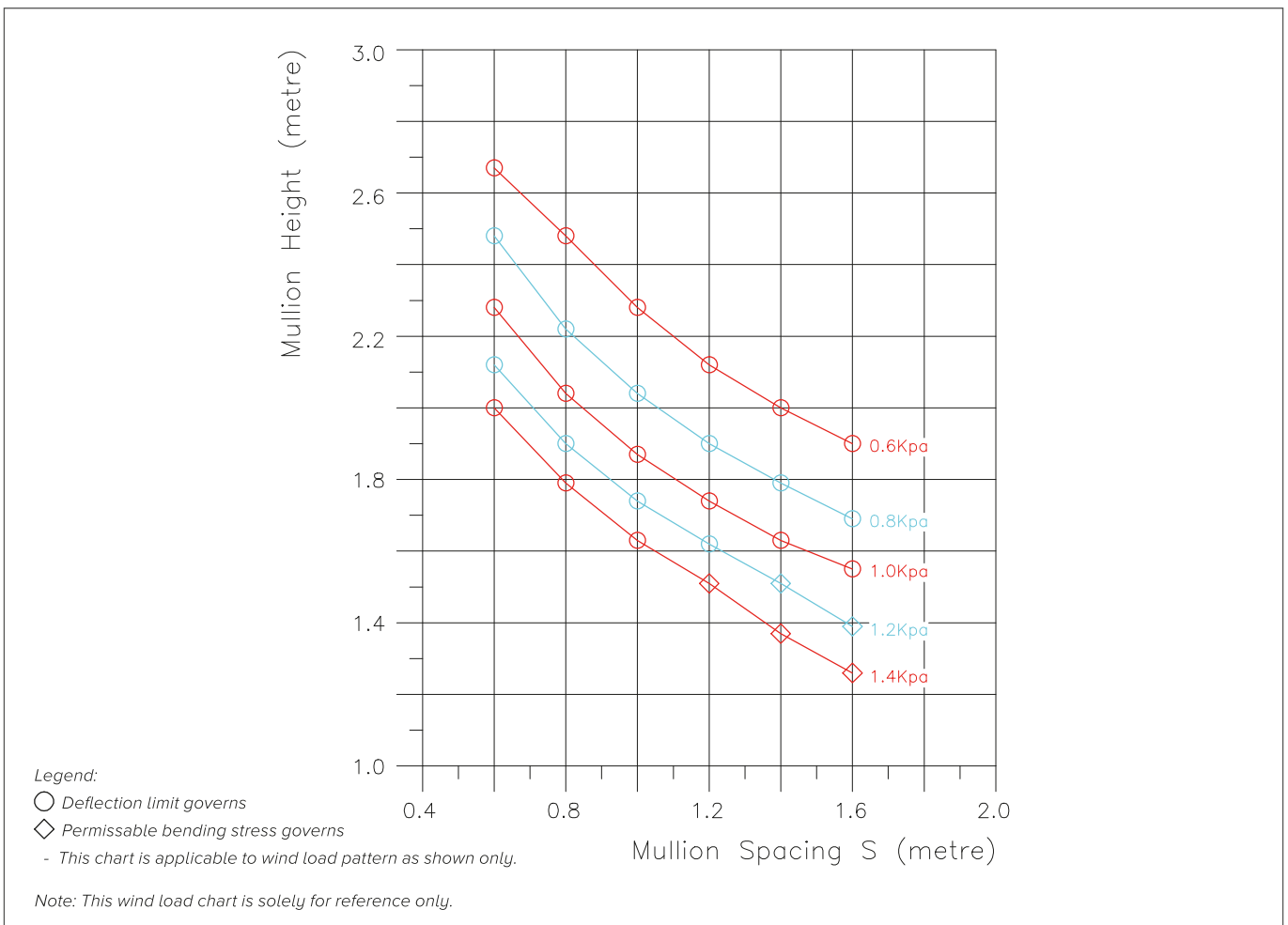
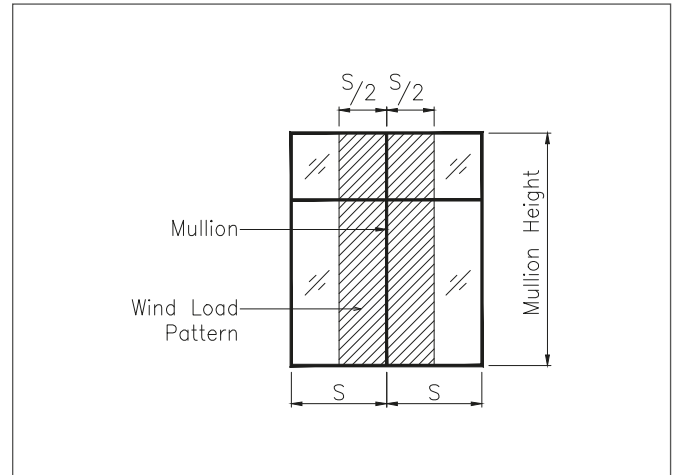
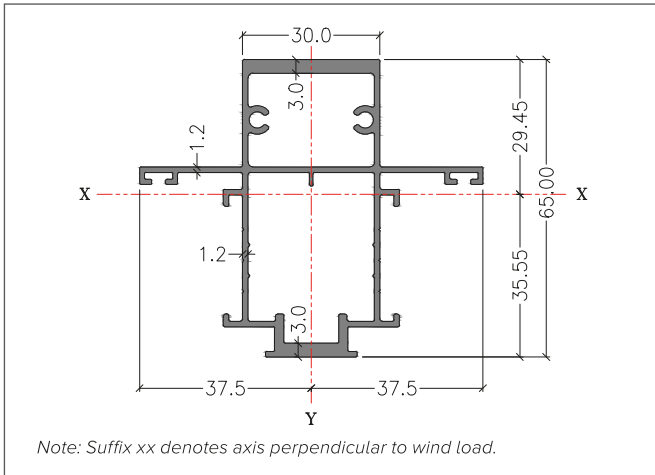
Note: This wind load chart is solely for reference only.

Wind Load Chart

Mullion Section No. : 5709
 Aluminium Alloy : 6063 - T5
 Moment of Inertia Ixx : 21.97 cm⁴
 Mod. of Inertia Zxx : 6.18 cm³

Mod. of Elasticity : 70 x 10⁹ n/m²
 Deflection Limit : Span/175 up to max. 20 mm
 Perm. Bend. Stress : 1.25 x 67 Mpa
 (within slenderness limit)
 Nature of Anchor : Simply Supported at Both Ends

Typical Configuration of Window:

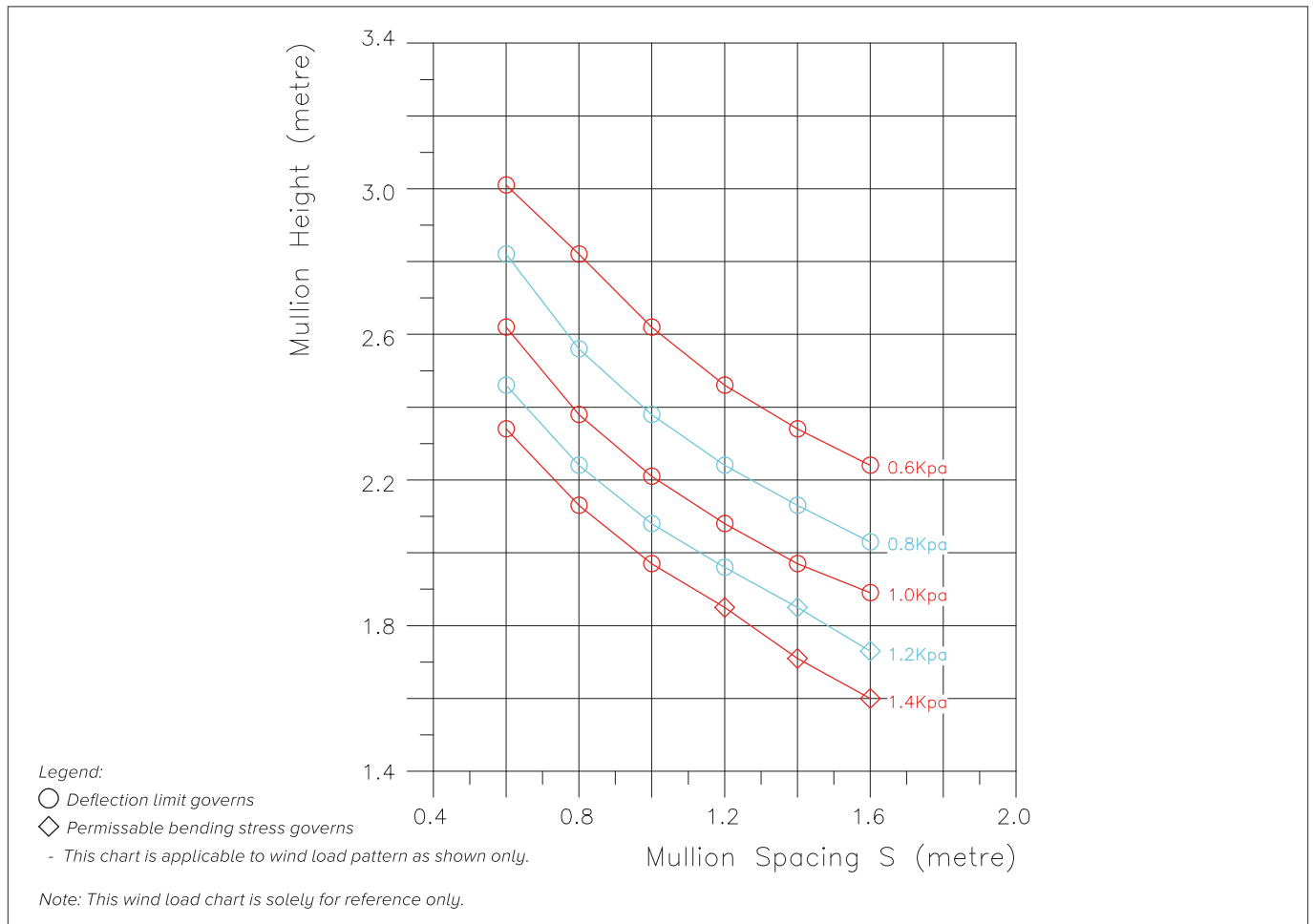
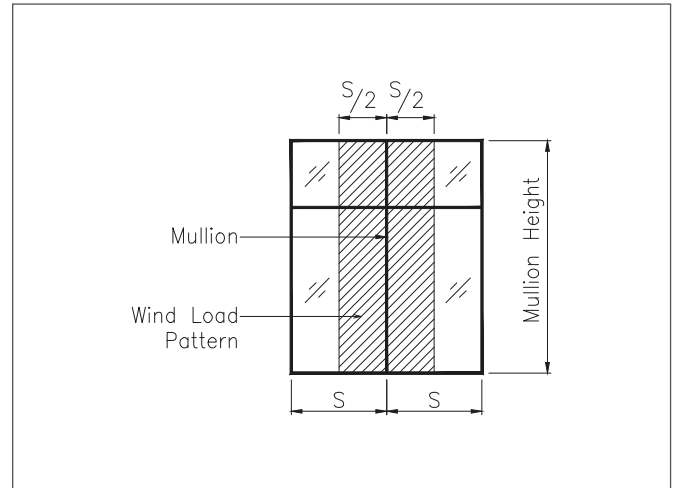
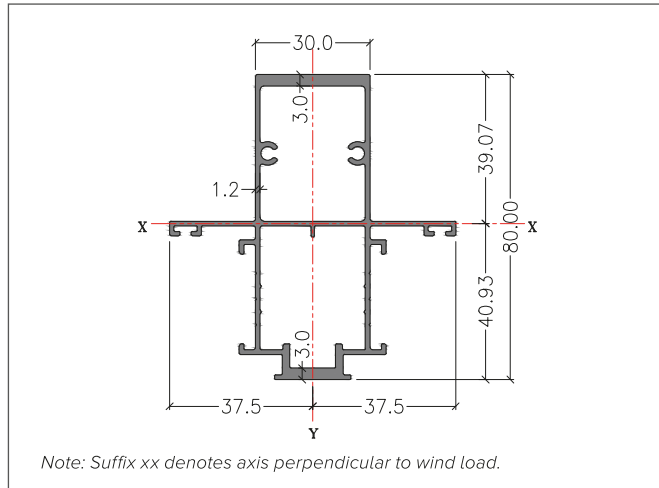


Wind Load Chart

Mullion Section No. : 5710
Aluminium Alloy : 6063 - T5
Moment of Inertia Ixx : 35.09 cm⁴
Mod. of Inertia Zxx : 8.57 cm³

Mod. of Elasticity : 70 x 10⁹ n/m²
Deflection Limit : Span/175 up to max. 20 mm
Perm. Bend. Stress : 1.25 x 67 Mpa
(within slenderness limit)
Nature of Anchor : Simply Supported at Both Ends

Typical Configuration of Window:



Wind Load Chart

Mullion Section No. : 5711

Aluminium Alloy : 6063 - T5

Moment of Inertia Ixx : 60.59 cm⁴

Mod. of Inertia Zxx : 11.77 cm³

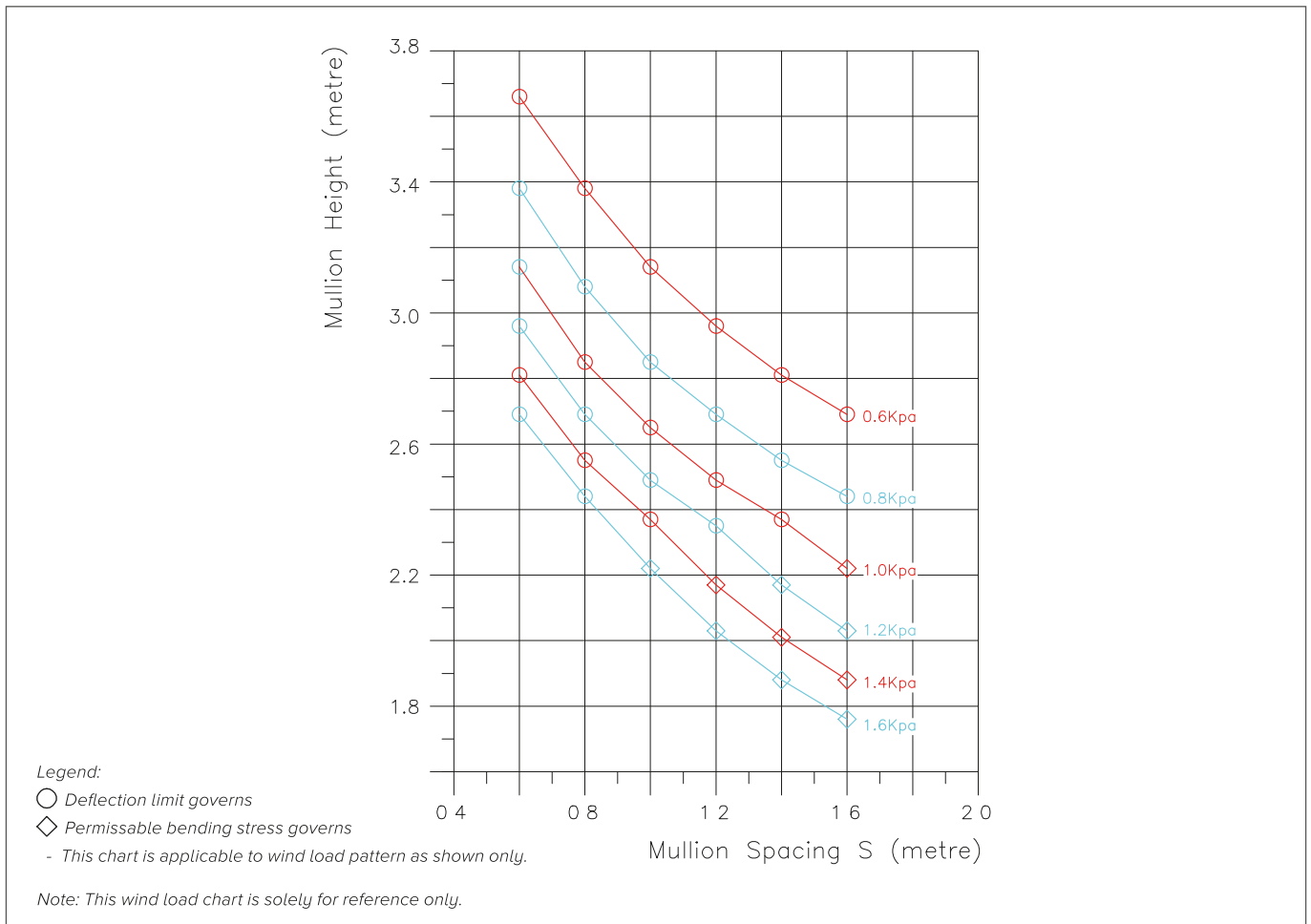
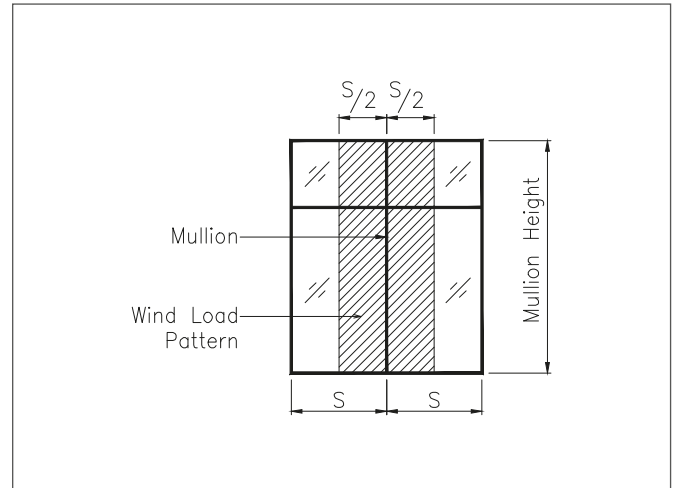
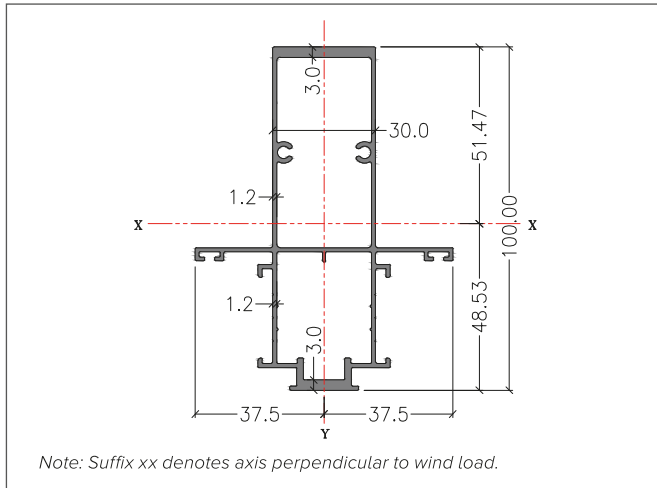
Mod. of Elasticity : 70 x 10⁹ n/m²

Deflection Limit : Span/175 up to max. 20 mm

Perm. Bend. Stress : 1.25 x 67 Mpa
(within slenderness limit)

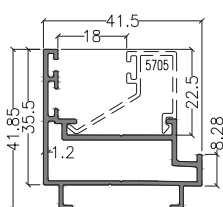
Nature of Anchor : Simply Supported at Both Ends

Typical Configuration of Window:

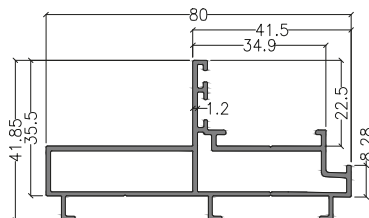


Sectional Details

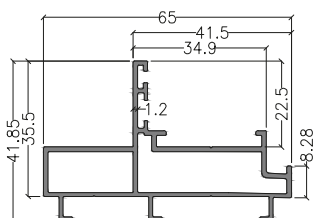
Outer Frames



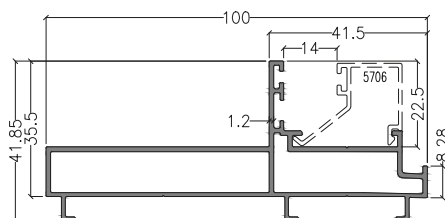
5702
0.521 kg/m "LW"
228.71 mm "AP"



5727
0.807 kg/m "LW"
322.84 mm "AP"

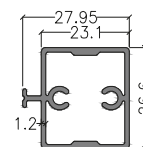


5730
0.721 kg/m "LW"
292.41 mm "AP"
(Substitute for 5721)

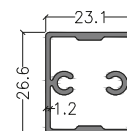


5729
0.932 kg/m "LW"
362.45 mm "AP"
(Substitute for 5715)

Brackets

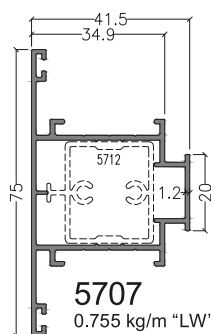


5712
0.453 kg/m "LW"
113.88 mm "AP"

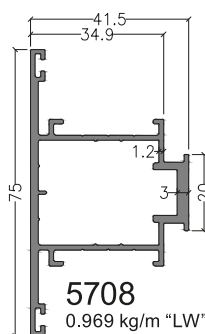


5719
0.428 kg/m "LW"
97.68 mm "AP"

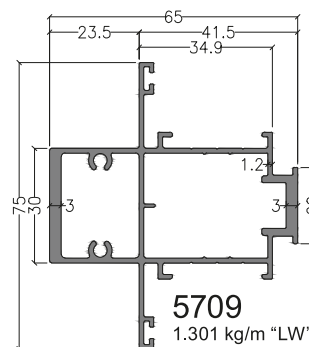
Intermediate Mullions



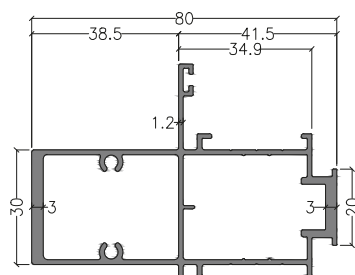
5707
0.755 kg/m "LW"
318.61 mm "AP"
Ixx : 9.19 cm⁴
Iyy : 6.64 cm⁴



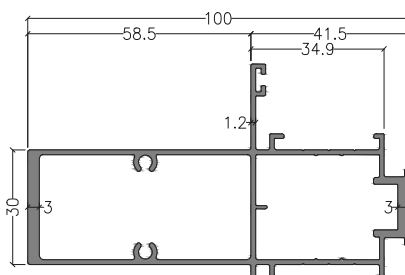
5708
0.969 kg/m "LW"
315.23 mm "AP"
Ixx : 10.56 cm⁴
Iyy : 9.29 cm⁴



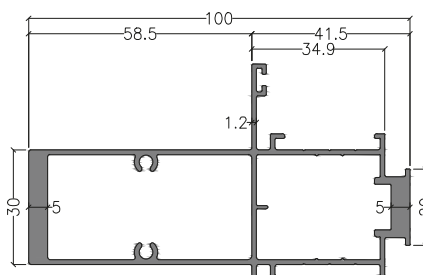
5709
1.301 kg/m "LW"
363.65 mm "AP"
Ixx : 11.36 cm⁴
Iyy : 21.97 cm⁴



5710
1.399 kg/m "LW"
393.65 mm "AP"
Ixx : 12.11 cm⁴
Iyy : 35.09 cm⁴



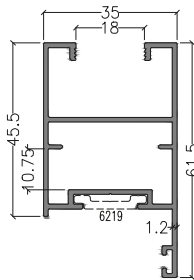
5711
1.529 kg/m "LW"
433.65 mm "AP"
Ixx : 13.10 cm⁴
Iyy : 60.59 cm⁴



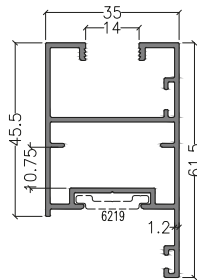
5720
1.743 kg/m "LW"
433.65 mm "AP"
Ixx : 13.48 cm⁴
Iyy : 77.35 cm⁴

Sectional Details

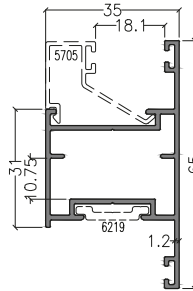
Inner Frames



5703
0.720 kg/m "LW"
310.47 mm "AP"



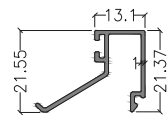
5704
0.752 kg/m "LW"
330.94 mm "AP"



5728
0.662 kg/m "LW"
266.09 mm "AP"

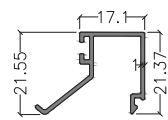
Glazing Beads

18mm Bead



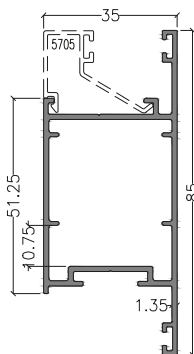
5705
0.207 kg/m "LW"
149.07 mm "AP"

14mm Bead

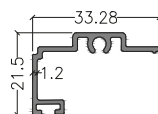


5706
0.209 kg/m "LW"
150.65 mm "AP"

Swing Door Frames

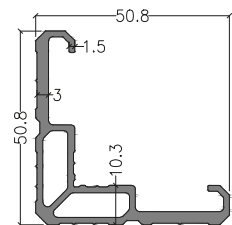


5724
0.872 kg/m "LW"
312.78 mm "AP"



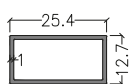
5723
0.251 kg/m "LW"
151.97 mm "AP"

Corner Brackets



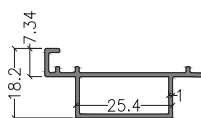
5714
0.955 kg/m "LW"
240.10 mm "AP"

Sub-Frame



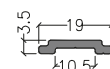
2616
0.196 kg/m "LW"
76.20 mm "AP"

Sub-Sill



5713
0.273 kg/m "LW"
131.47 mm "AP"

Slide Bar



6219
0.117 kg/m "LW"
45.58 mm "AP"

Accessories

Handles	Single Point	Multipoint					
	CH100		MPH3901 Single Fork		MPH3902 Single Fork		Flat Fork (32mm)
	CH200		MPH3701 Double Fork		MPH3707 Double Fork		U-Fork (32mm)

Butt. Hinge  MP95 Exposed Butt Hinge	Corner Bracket  MP590D  MP5714	Lockcam  MP950KS (Adjustable)  MP950 (10, 12, 14mm)	Hinges  4 Bar Hinge (13mm Stack Ht.)  CB12  CB04  CS12  CR12
Push Rod  MP942  MP941KSL22	Catches  MP930S Catches	Corner Joint Angle  SLD / CJC02 (8mm)	
Weather Strip  PLG5903			

HEAD OFFICE & FACTORY

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