



LB
ALUMINIUM
BERHAD
198501006093 (138535-V)



PCW03-50

A heavy duty performance casement window suite with all the standard features and accessories options.



Performance Range

- Heavy duty.

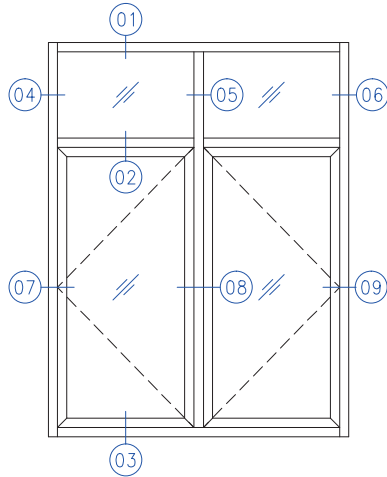
Typical Technical Features

Nominal Wall Thickness	- 1.8 mm
Standard Frame Depth	- 50 mm
Maximum Frame / Mullion Depth	- 80 mm
Glazing Gap	- 12 - 41 mm
Multipoint Locking System	- Available
Sub-frame	- Compatible
Overlapping Inner Frames	- Standard
Flush Face	- Available
Butt. Hinges	- Available (Exposed & Concealed Only)

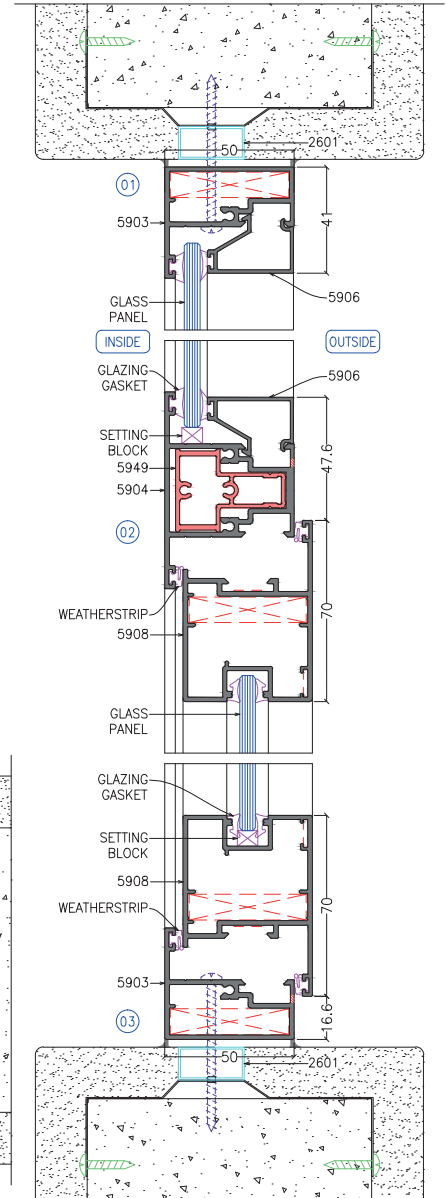


Typical Assembly Details

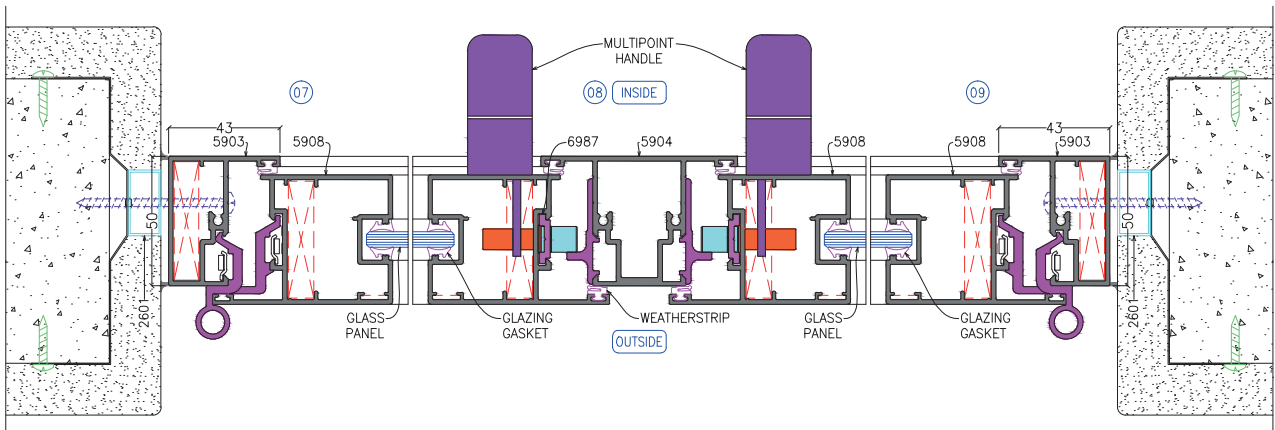
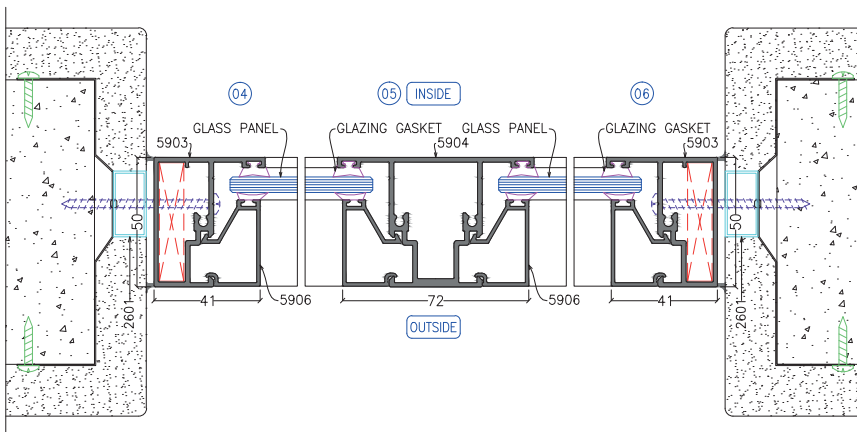
Exterior View



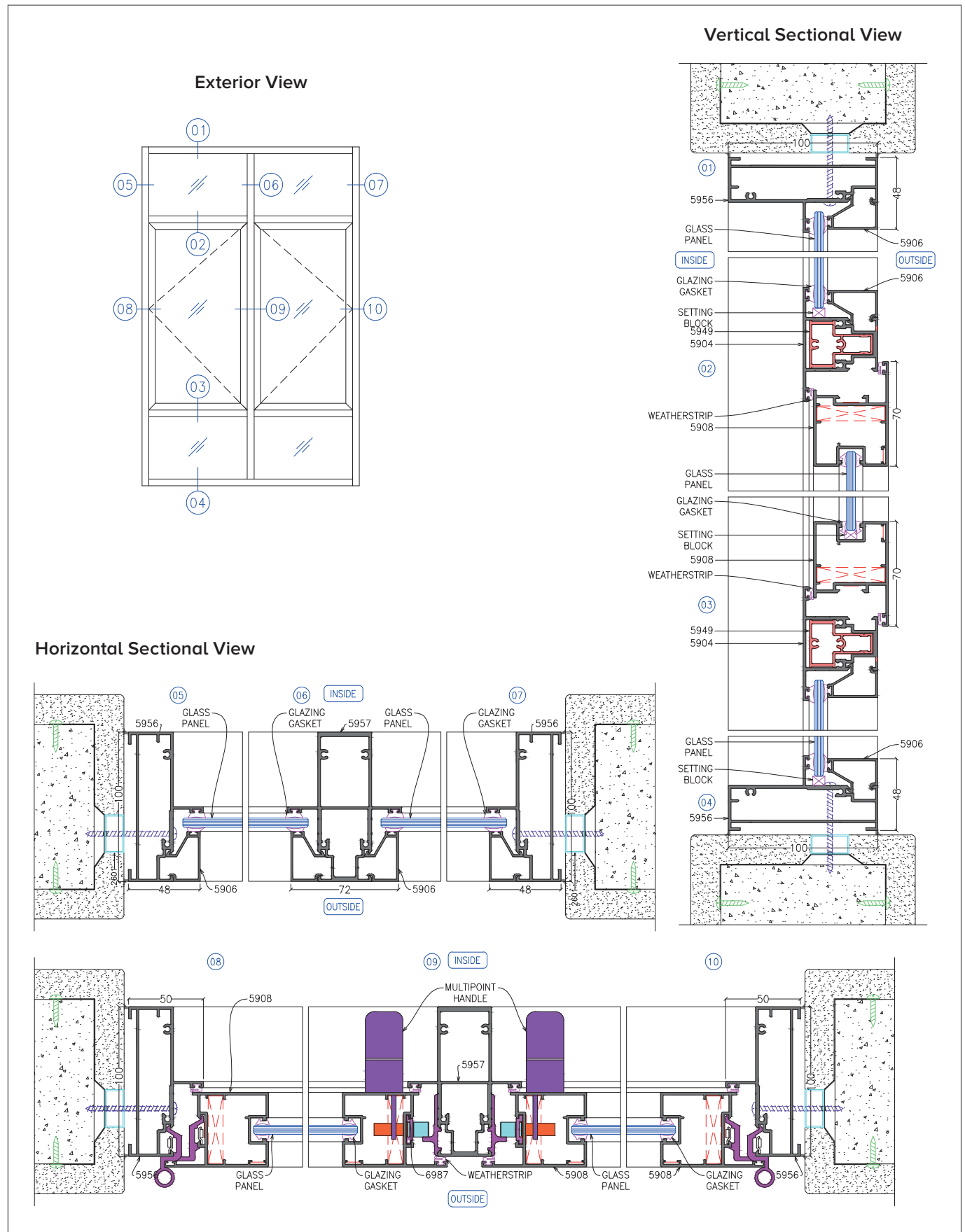
Vertical Sectional View



Horizontal Sectional View

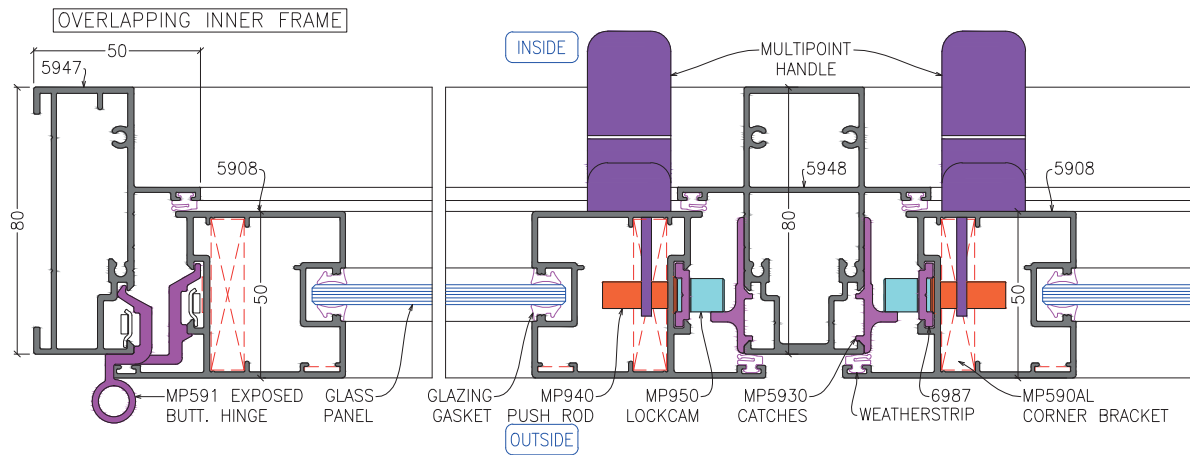


Typical Assembly Details

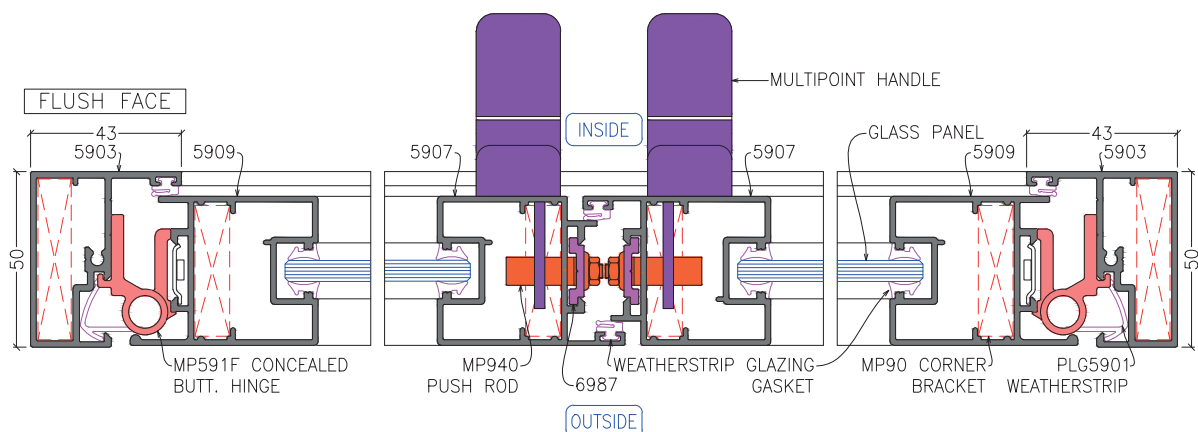


Option For Overlapping / Flush Face Finish

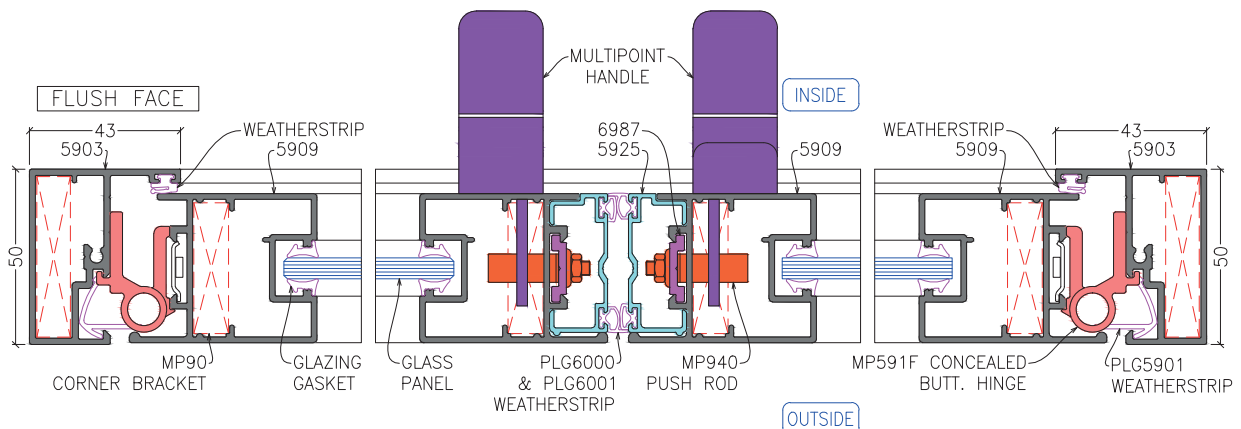
Multipoint Locking At Center Mullion - 5908



Multipoint Locking Without Center Mullion - 5907

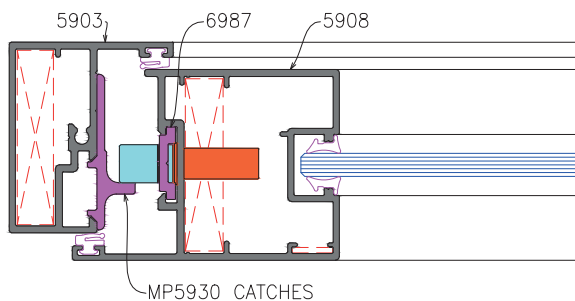


Multipoint Locking Without Center Mullion - 5909 / 5925

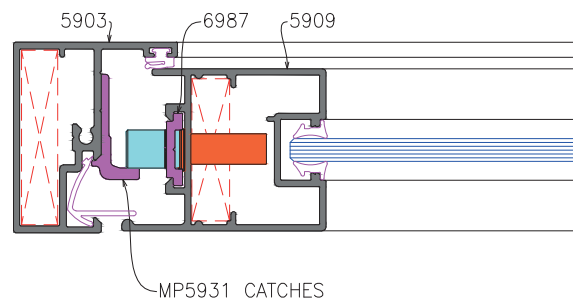


Options For Catches, Glazing Thickness And Fixed Louvres

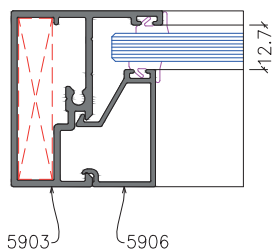
Catches For 5908



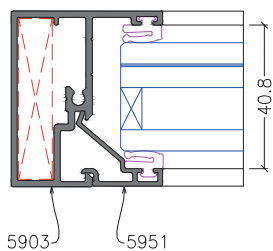
Catches For 5909



Glazing Options - Outer Frame

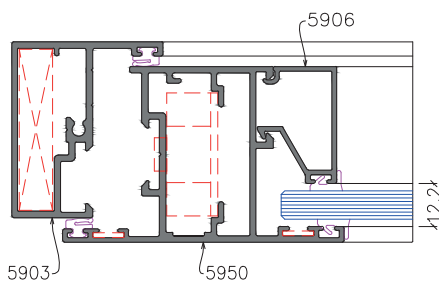


Single Glazed

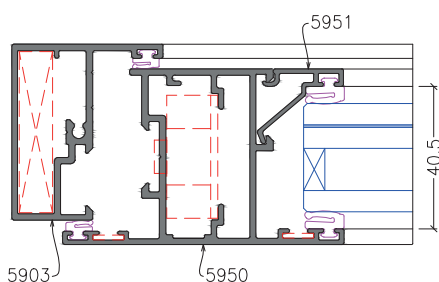


Double Glazed

Glazing Options - Inner Frame

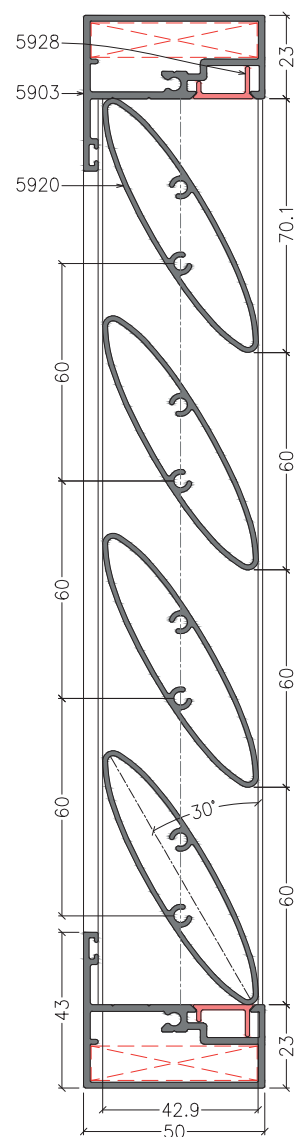


Single Glazed

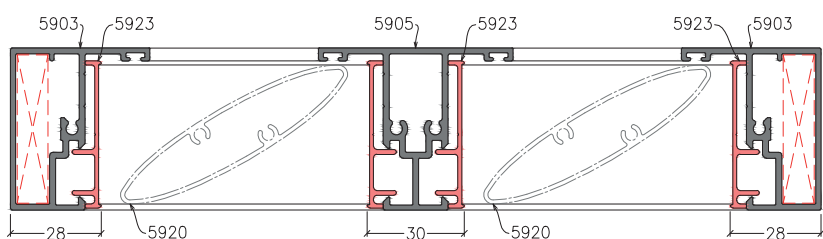


Double Glazed

Vertical Sectional View For Fixed Louvre



Horizontal Sectional View For Fixed Louvres

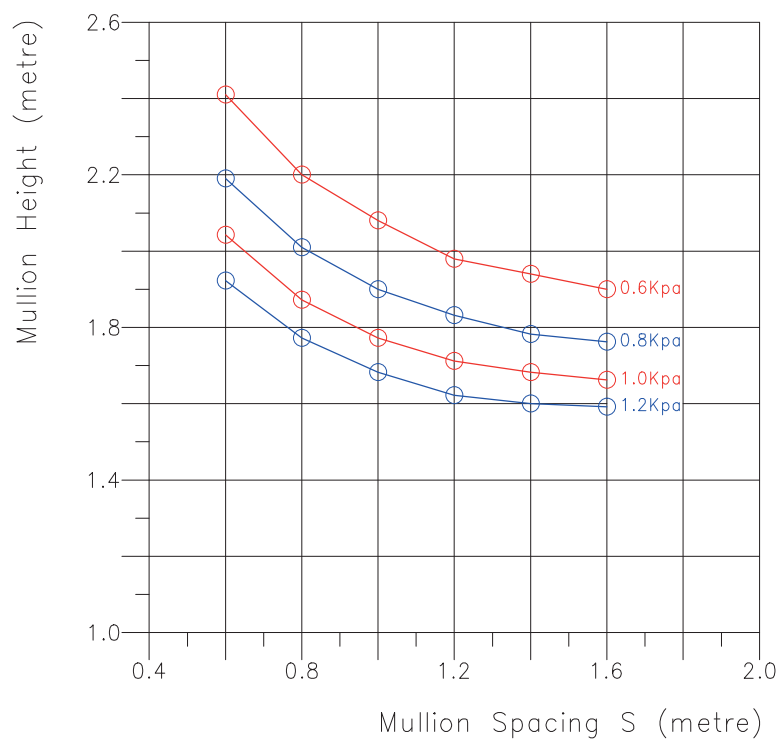
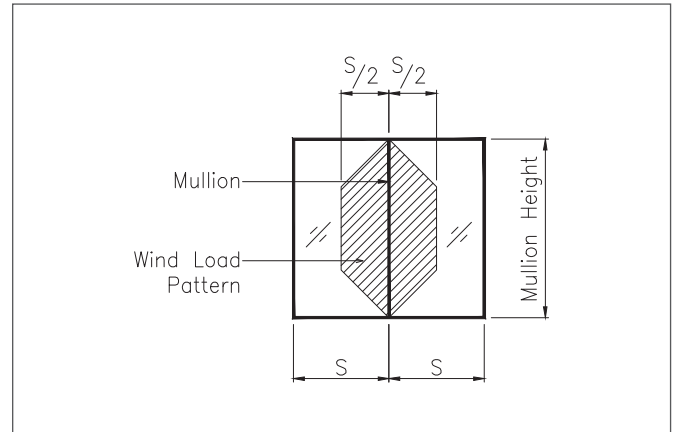
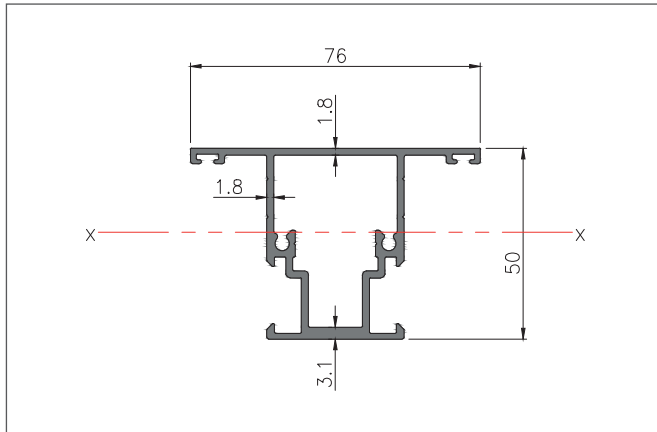


Wind Load Chart

Mullion Section No. : 5904
 Aluminium Alloy : 6063 - T5
 Moment of Inertia Ixx : 16.1 cm⁴
 Mod. of Inertia Zxx : 5.7 cm³

Mod. of Elasticity : 69 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

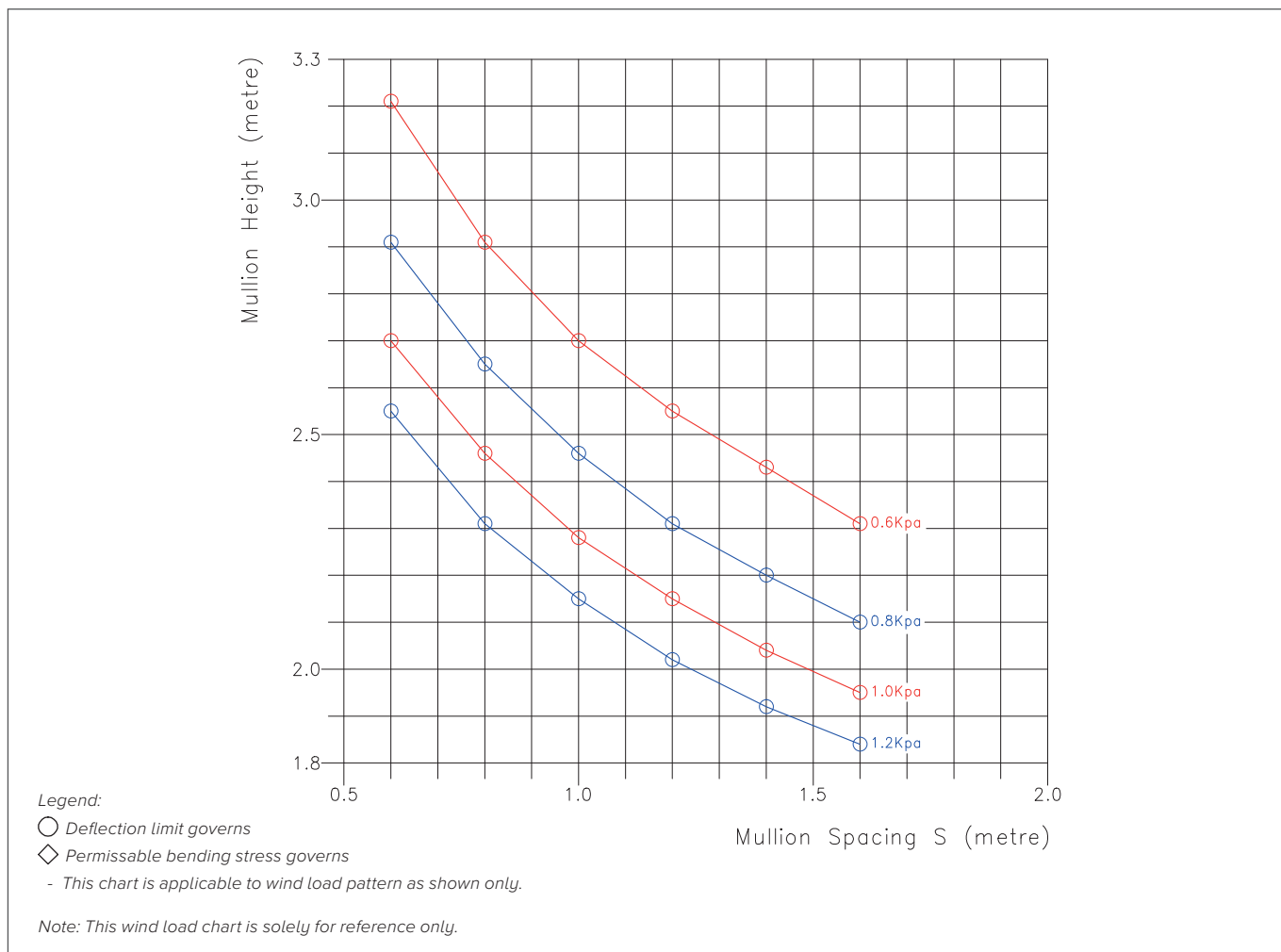
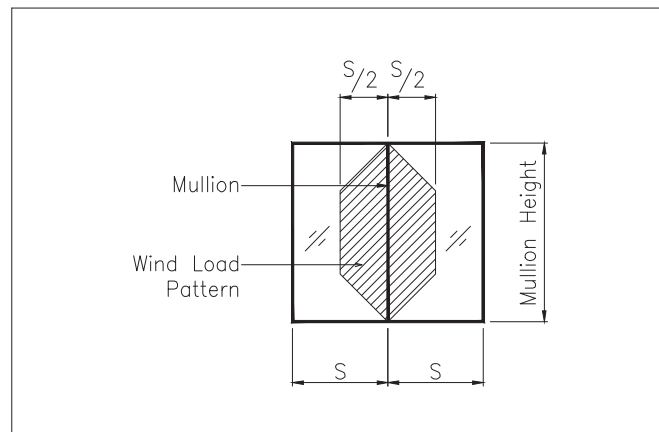
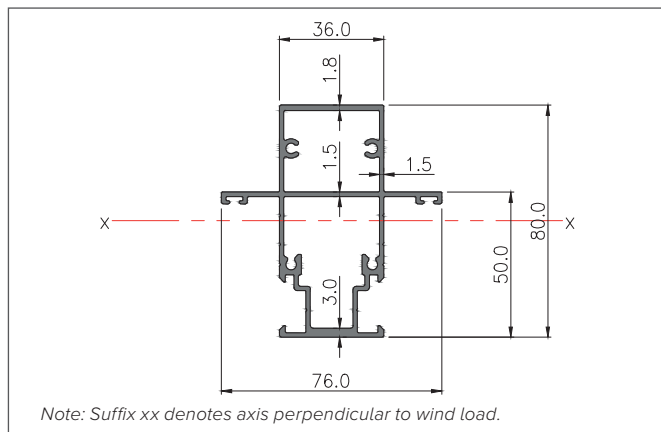
Note: This wind load chart is solely for reference only.

Wind Load Chart

Mullion Section No. : 5948
 Aluminium Alloy : 6063 - T5
 Moment of Inertia Ixx : 39.2 cm⁴
 Mod. of Inertia Zxx : 9.7 cm³

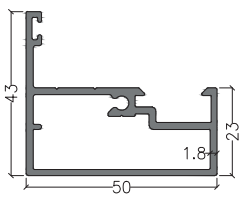
Mod. of Elasticity : 69 x 10⁹ n/m²
 Deflection Limit : Span/175 up to max. 20 mm
 Perm. Bend. Stress : 1.25 x 67 Mpa
 (within slenderness limit)
 Nature of Anchor : Simply Supported at Both Ends

Typical Configuration of Window:

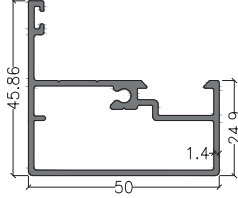


Sectional Details

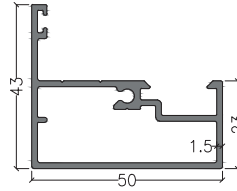
Outer Frames



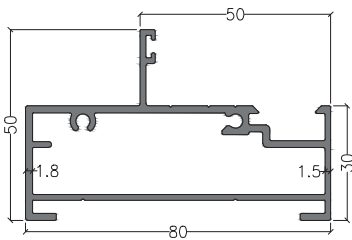
5903
0.871 kg/m "LW"
223.38 mm "AP"



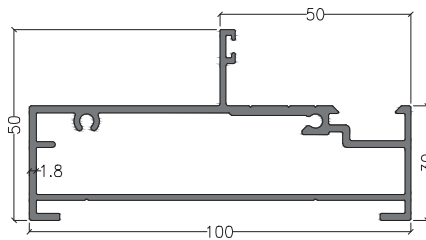
5927
0.770 kg/m "LW"
229.45 mm "AP"



5944
0.790 kg/m "LW"
223.98 mm "AP"

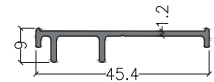


5947
1.290 kg/m "LW"
333.42 mm "AP"

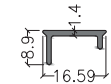


5956
1.506 kg/m "LW"
373.42 mm "AP"

Outer Frame Attachment & Capping

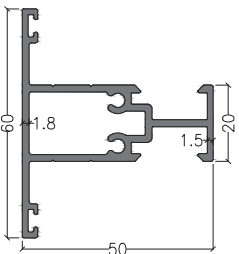


5923
0.231 kg/m "LW"
130.95 mm "AP"

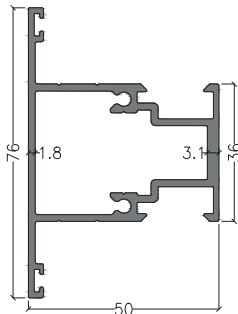


5928
0.095 kg/m "LW"
55.04 mm "AP"

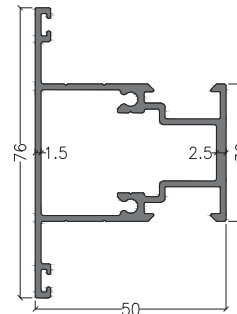
Intermediate Mullions / Transoms



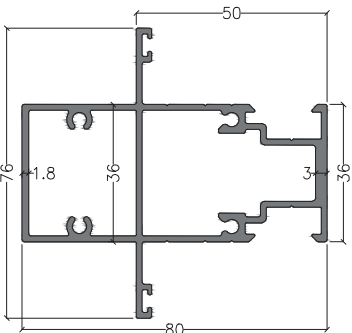
5905
0.973 kg/m "LW"
295.61 mm "AP"
Ixx : 5.4 cm⁴
Iyy : 10.1 cm⁴



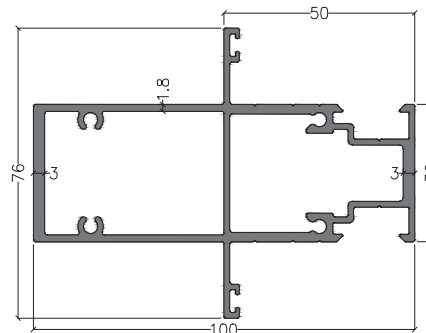
5904
1.277 kg/m "LW"
327.61 mm "AP"
Ixx : 13.6 cm⁴
Iyy : 16.1 cm⁴



5943
1.139 kg/m "LW"
328.81 mm "AP"
Ixx : 12.7 cm⁴
Iyy : 14.4 cm⁴

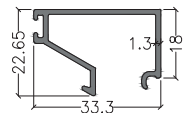


5948
1.661 kg/m "LW"
389.16 mm "AP"
Ixx : 16.7 cm⁴
Iyy : 39.2 cm⁴

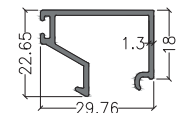


5957
2.112 kg/m "LW"
429.16 mm "AP"
Ixx : 20.5 cm⁴
Iyy : 79.1 cm⁴

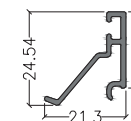
Glazing Beads



5906
0.320 kg/m "LW"
182.56 mm "AP"



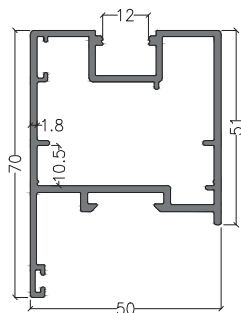
5953
0.302 kg/m "LW"
171.04 mm "AP"



5951
0.203 kg/m "LW"
123.25 mm "AP"

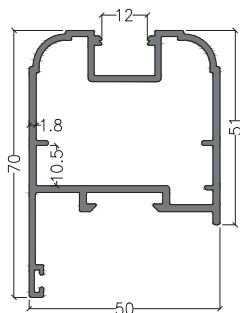
Sectional Details

Inner Frames



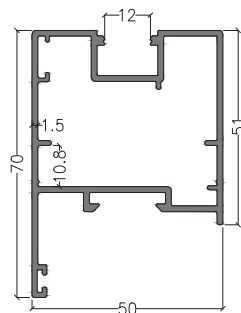
5908

1.267 kg/m "LW"
315.80 mm "AP"



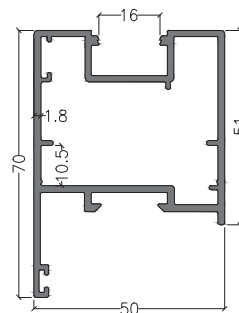
5917

1.206 kg/m "LW"
308.52 mm "AP"



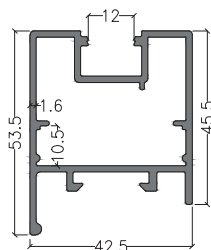
5945

1.130 kg/m "LW"
316.00 mm "AP"



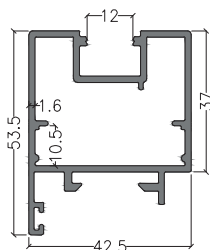
5954

1.267 kg/m "LW"
315.80 mm "AP"



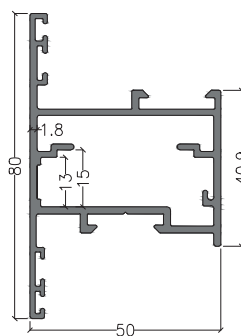
5909

1.023 kg/m "LW"
265.73 mm "AP"



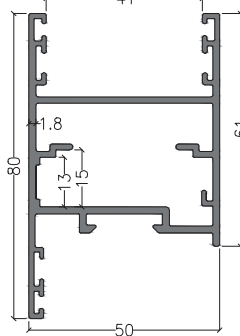
5907

1.013 kg/m "LW"
273.90 mm "AP"



5950

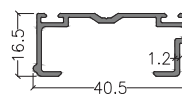
1.307 kg/m "LW"
370.90 mm "AP"



5952

1.401 kg/m "LW"
413.73 mm "AP"

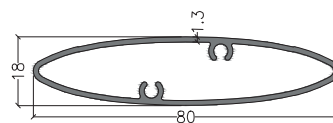
Inner Frame Attachment



5925

0.292 kg/m "LW"
187.34 mm "AP"

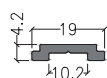
Louvre Blade



5920

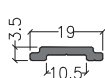
0.662 kg/m "LW"
169.97 mm "AP"

Slide Bars



6987

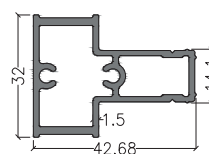
0.140 kg/m "LW"
49.24 mm "AP"
(For Natural Anodised
Finish Only)



6219

0.117 kg/m "LW"
45.58 mm "AP"
(For Powder Coated
& PVDF Finish Only)

T-Joint Bracket



5949

0.718 kg/m "LW"
150.63 mm "AP"

Accessories

Handles

Altrax (Multipoint)



MPH3901
Single Fork



MPH3902
Single Fork



MPH3903
Single Fork



MPH3701
Single / Double Fork



MPH3707
Single / Double Fork



MPH3708
Single / Double Fork

Butt. Hinges



MP591 Exposed
Butt. Hinge



MP591F Concealed
Butt. Hinge

Catches



MP5930AL



MP5931AL

Gasket/Weather Strips



PLG5903
(Co-Extruded
Suntoprene - PP)
Hard core base



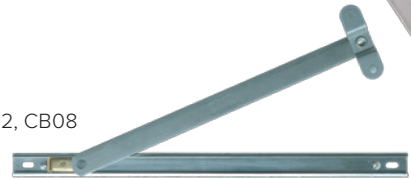
PLG5901
(Co-Extruded
Suntoprene - PP)

Hinges

4 Bar Hinge
(16mm Stack Ht.)



CB12, CB08



CB04



CS12



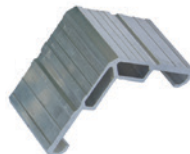
Corner Brackets



MP590A Alum



MP90



MP5714-31

Restrictor Bar



CR12

Lockcam



MP950 (10, 12, 14mm)

Latch Bolt & Keeper



MP960



MP962

Push Rod



MP942 (L 30mm)



MP941KS (L 30mm)



**LB
ALUMINIUM
BERHAD**
198501006093 (138535-V)

HEAD OFFICE & FACTORY

Lot 11, Jalan Perusahaan 1, Kawasan Perusahaan Beranang,
43700 Beranang, Semenyih, Selangor Darul Ehsan, Malaysia.

Tel: +603-8725 8822 (*Gen*)

Email: enquiry@lbalum.com.my

Website: www.lbalum.com

Fax: +603-8725 8828 (*Gen*)

+603-8725 8866 (*Export*)



MS ISO 9001:2015 Cert. No: QMS 00216

Ver. 08/2020