



LB
ALUMINIUM
BERHAD
198501006093 (138535-V)



PCW04-40

A window system with innovative features that performs yet very competitively priced various options are available to suit most design requirement for medium to high end applications.



Performance Range

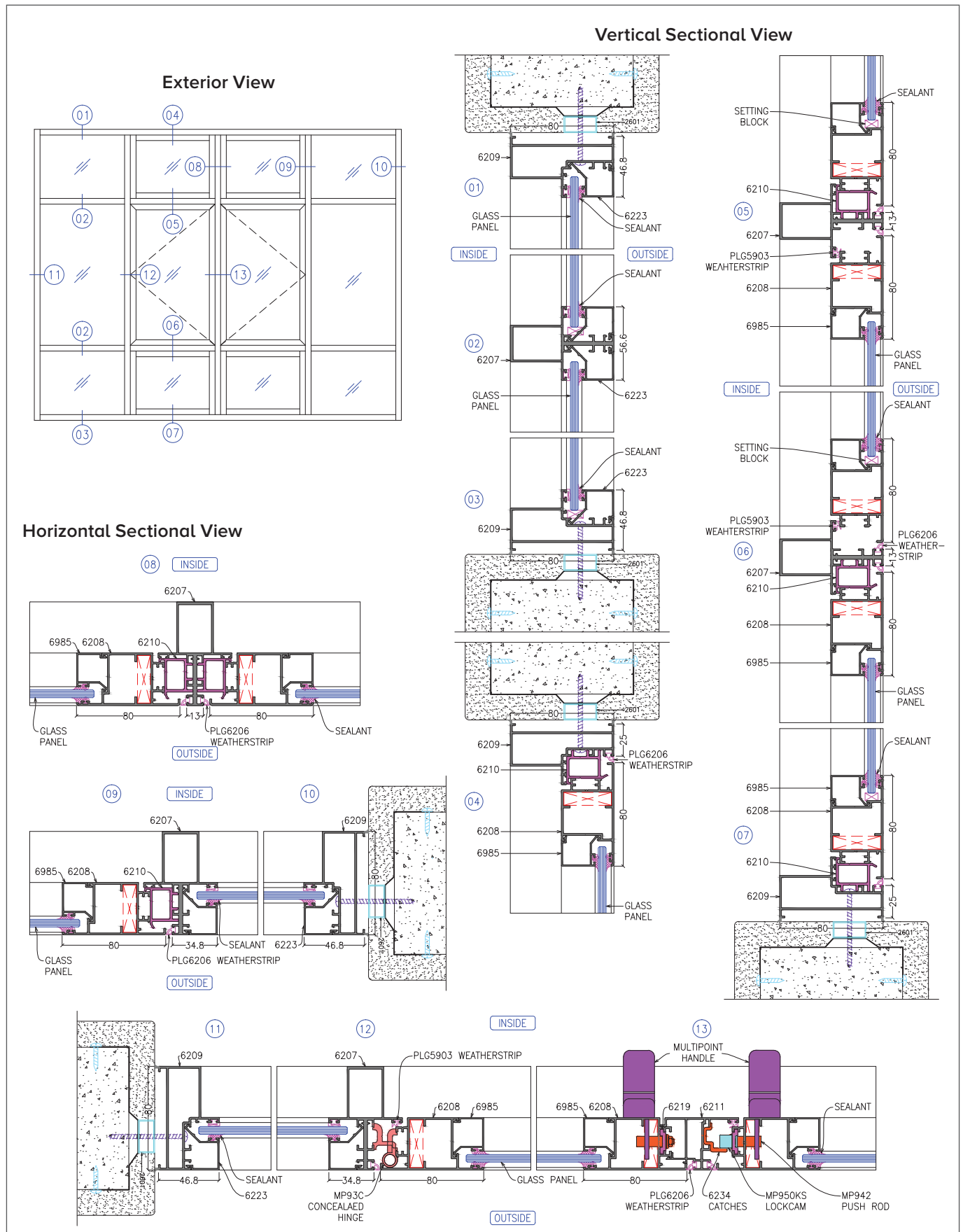
- Medium to heavy duty.

Typical Technical Features

Nominal Wall Thickness	- 1.4 mm
Standard Frame Depth	- 40 mm
Maximum Frame / Mullion Depth	- 100 mm
Glazing Gap	- 11 - 34 mm
Multipoint Locking System	- Available
Sub-frame	- Compatible
Flush Face	- Standard
Butt. Hinges	- Available (Concealed Only)

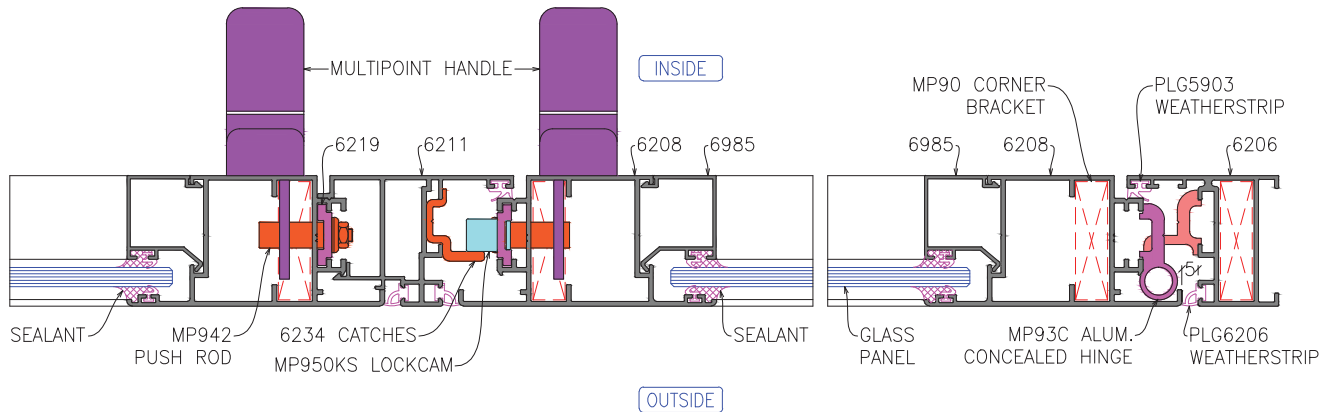


Typical Assembly Details

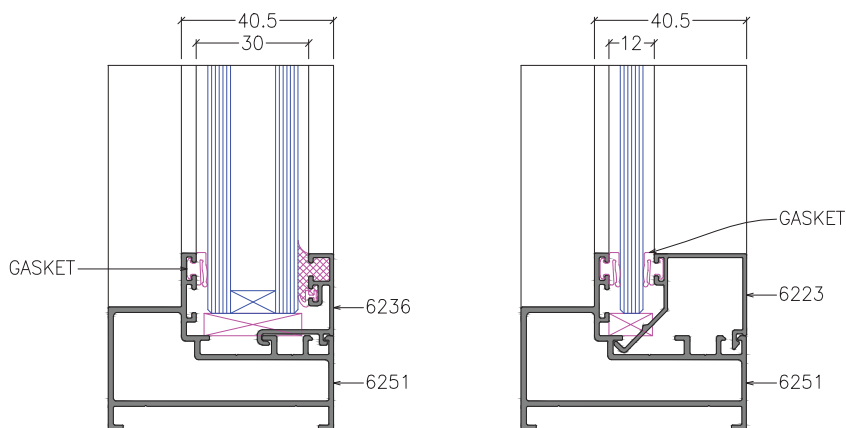


Accessories Arrangement

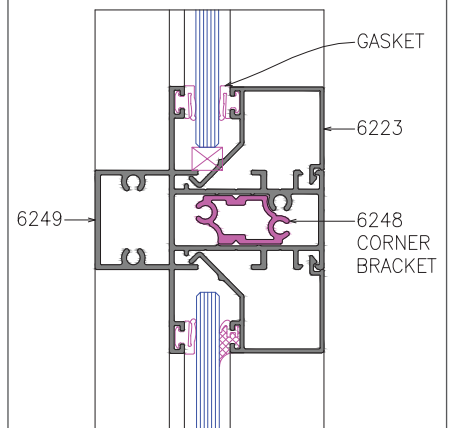
Double Openable Panels Without Mullion Option - Multipoint Locking



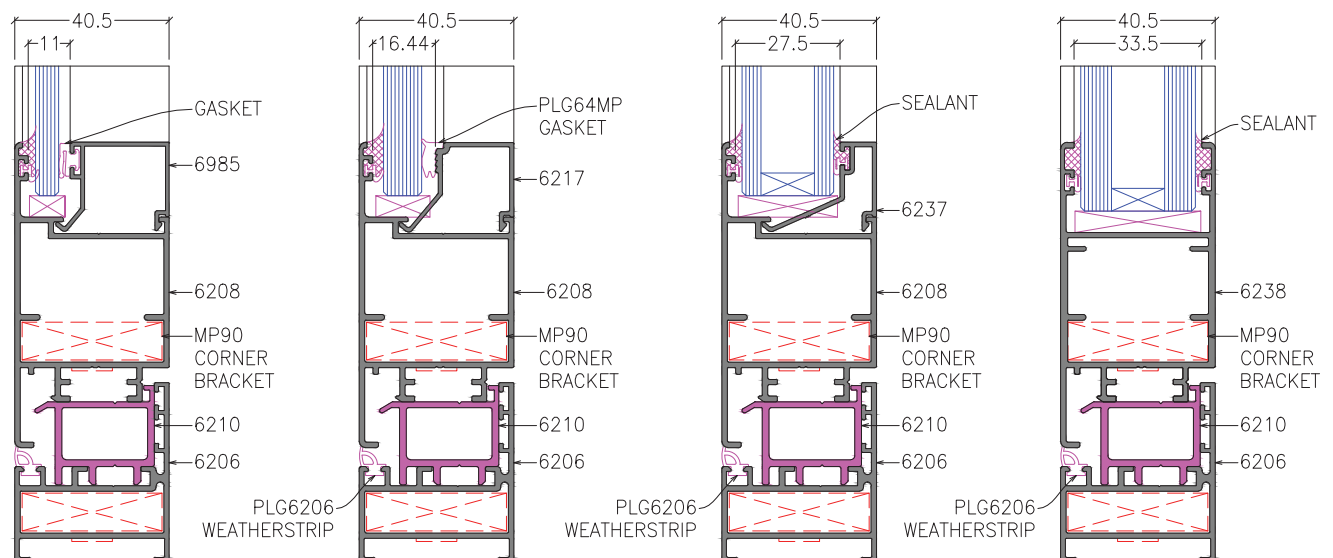
Glazing Gap Options - Outer Frames



T-Joint Bracket



Glazing Gap Options - Inner Frames

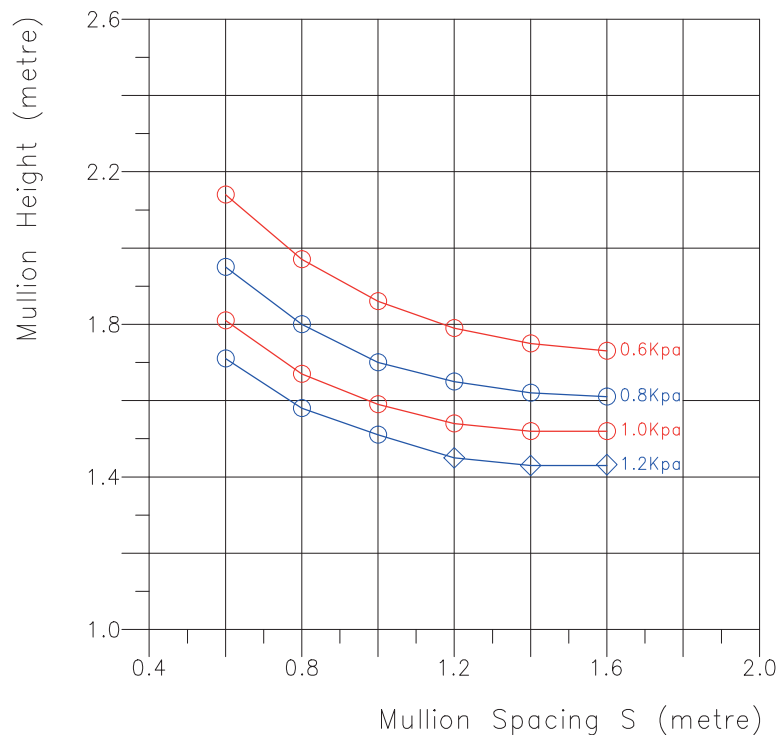
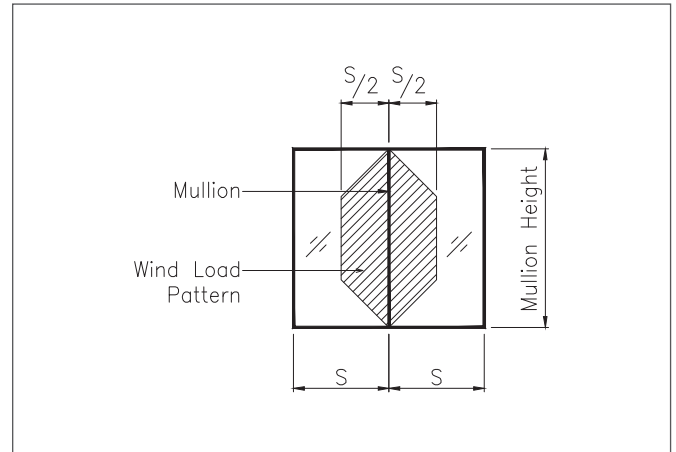
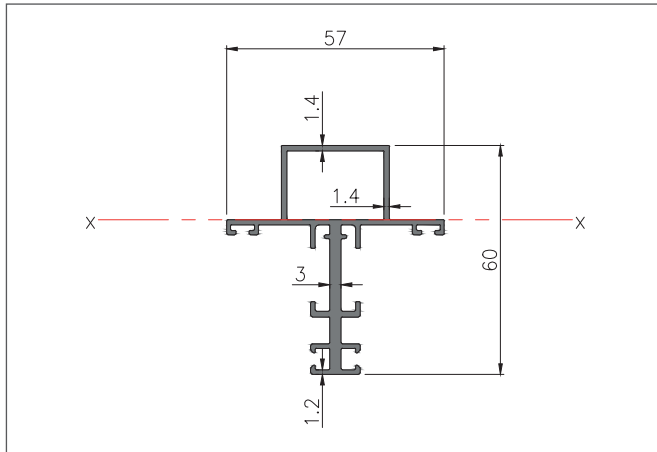


Wind Load Chart

Mullion Section No. : 6216
 Aluminium Alloy : 6063 - T5
 Moment of Inertia Ixx : 11.2 cm⁴
 Mod. of Inertia Zxx : 3.4 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. : 6207

Aluminium Alloy : 6063 - T5

Moment of Inertia Ixx : 25 cm⁴

Mod. of Inertia Zxx : 6.1 cm³

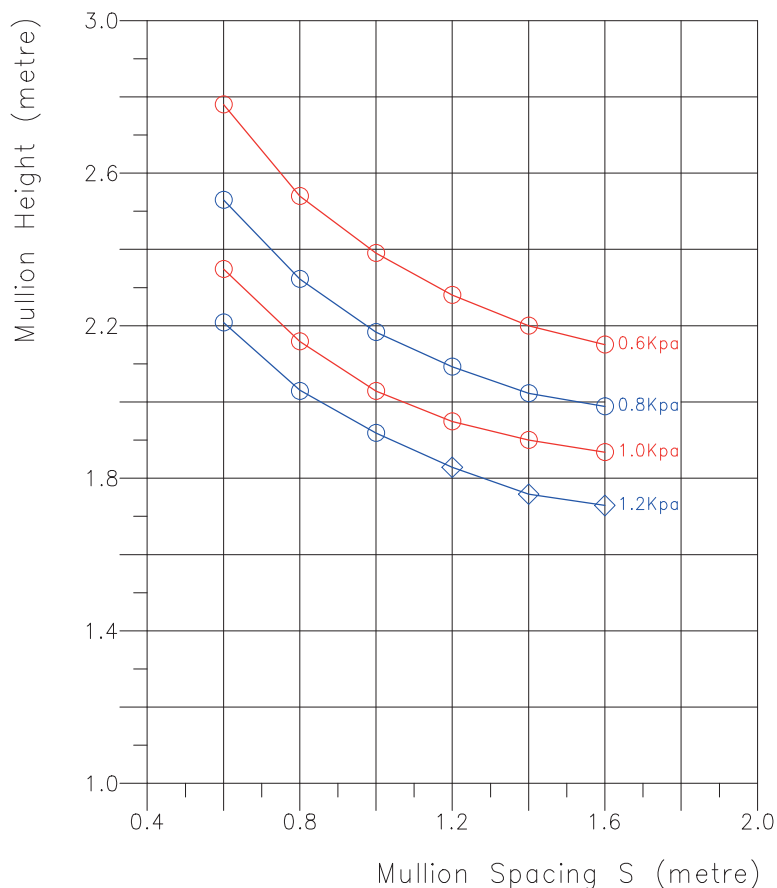
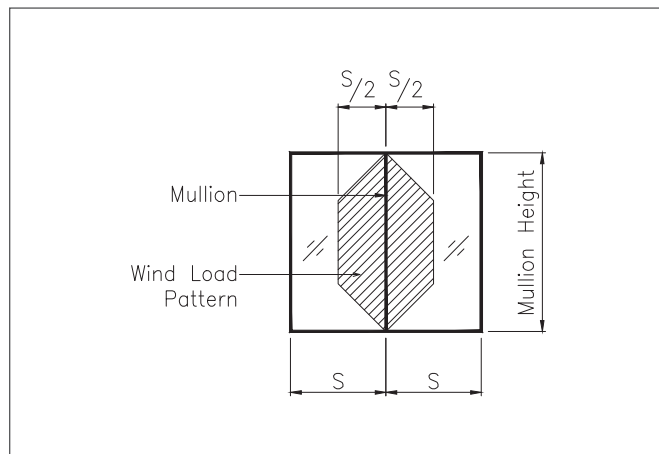
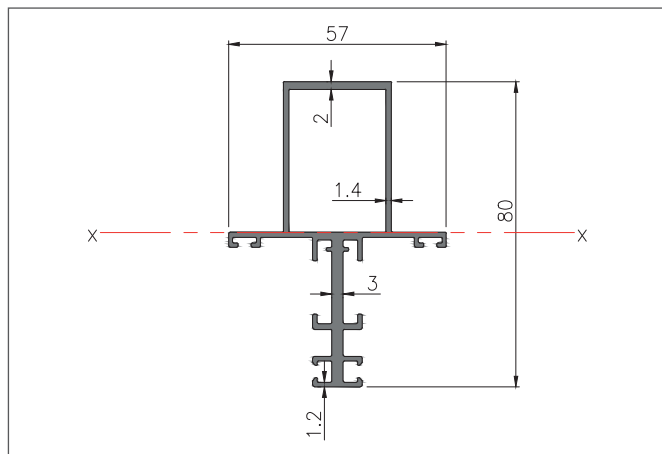
Mod. of Elasticity : 69 x 10⁹ n/m²

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

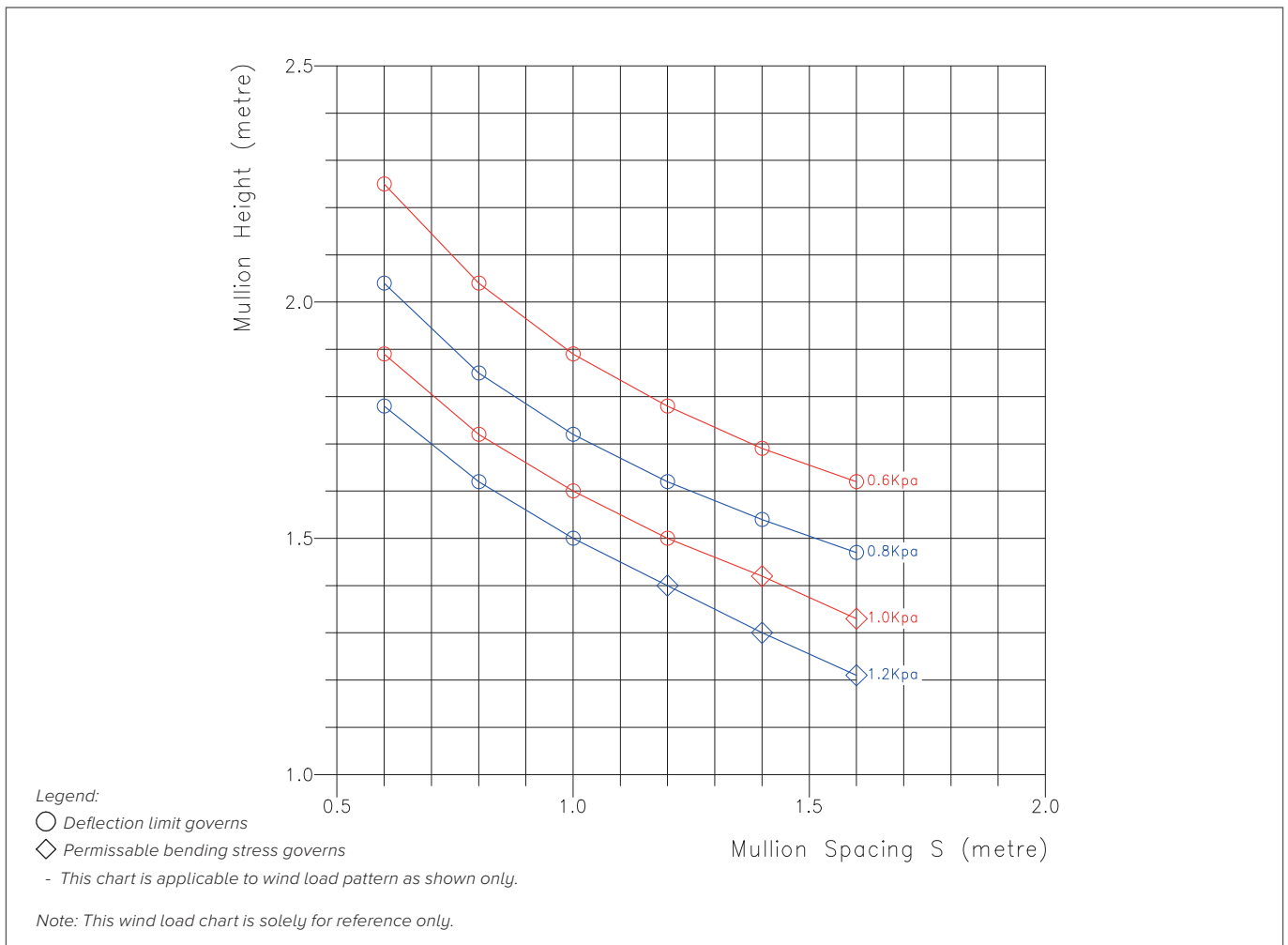
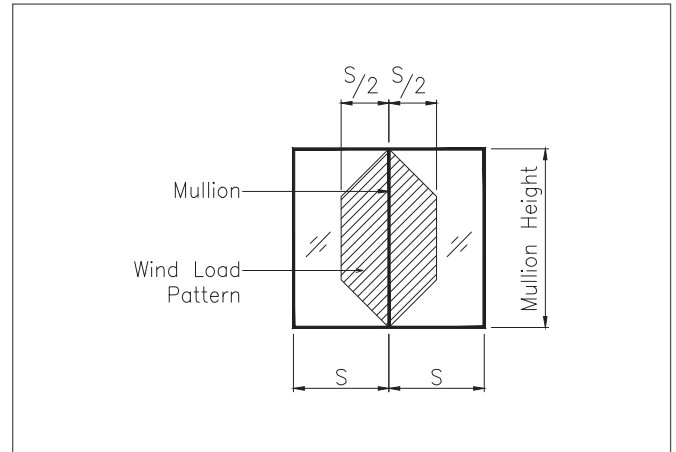
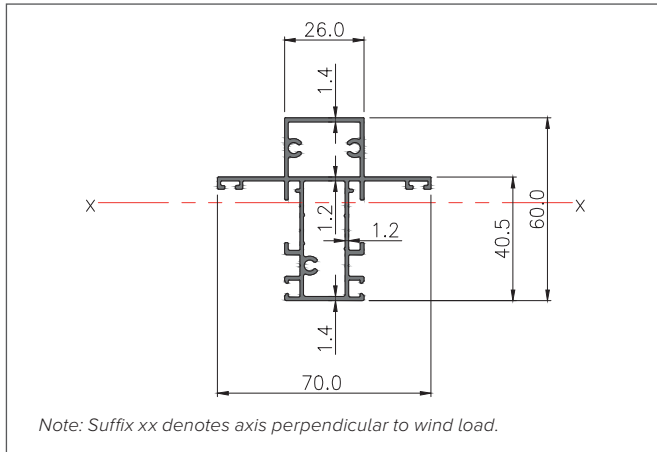
Note: This wind load chart is solely for reference only.

Wind Load Chart

Mullion Section No. : 6249
 Aluminium Alloy : 6063 - T5
 Moment of Inertia Ixx : 13.4 cm⁴
 Mod. of Inertia Zxx : 4.2 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:



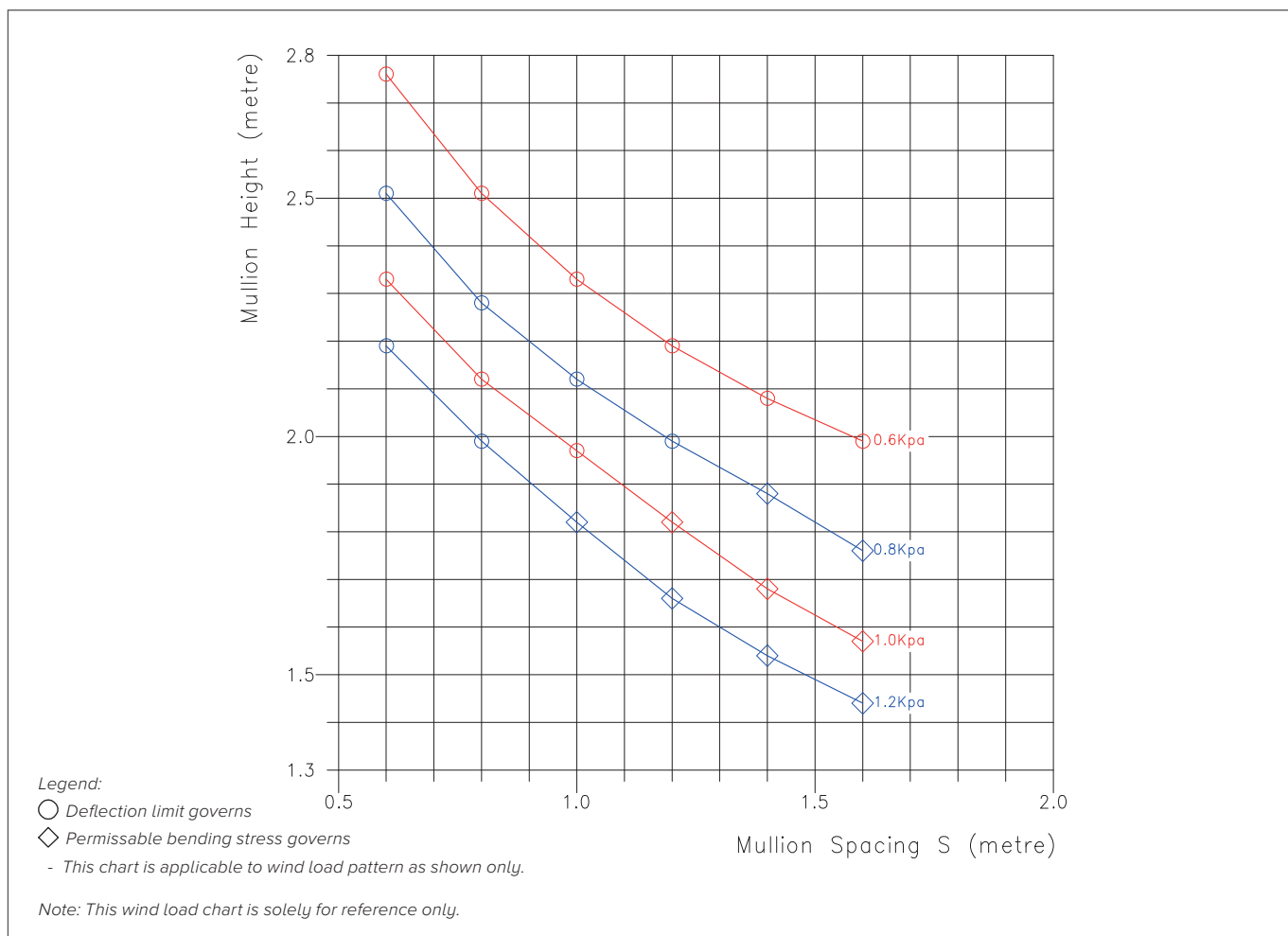
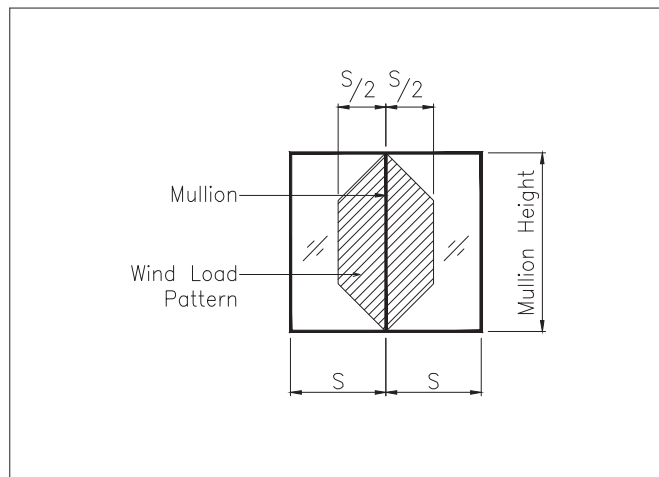
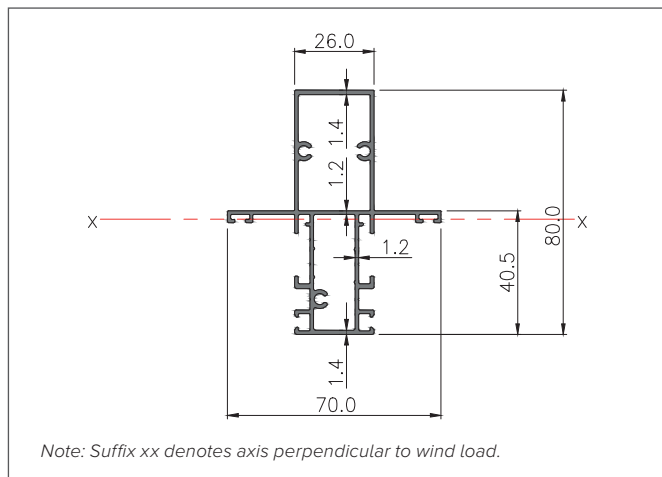
ALBESASH PERFORMANCE CASEMENT WINDOW PCW04-40 SERIES

Wind Load Chart

Mullion Section No. : 6250
Aluminium Alloy : 6063 - T5
Moment of Inertia Ixx : 25 cm⁴
Mod. of Inertia Zxx : 5.9 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:

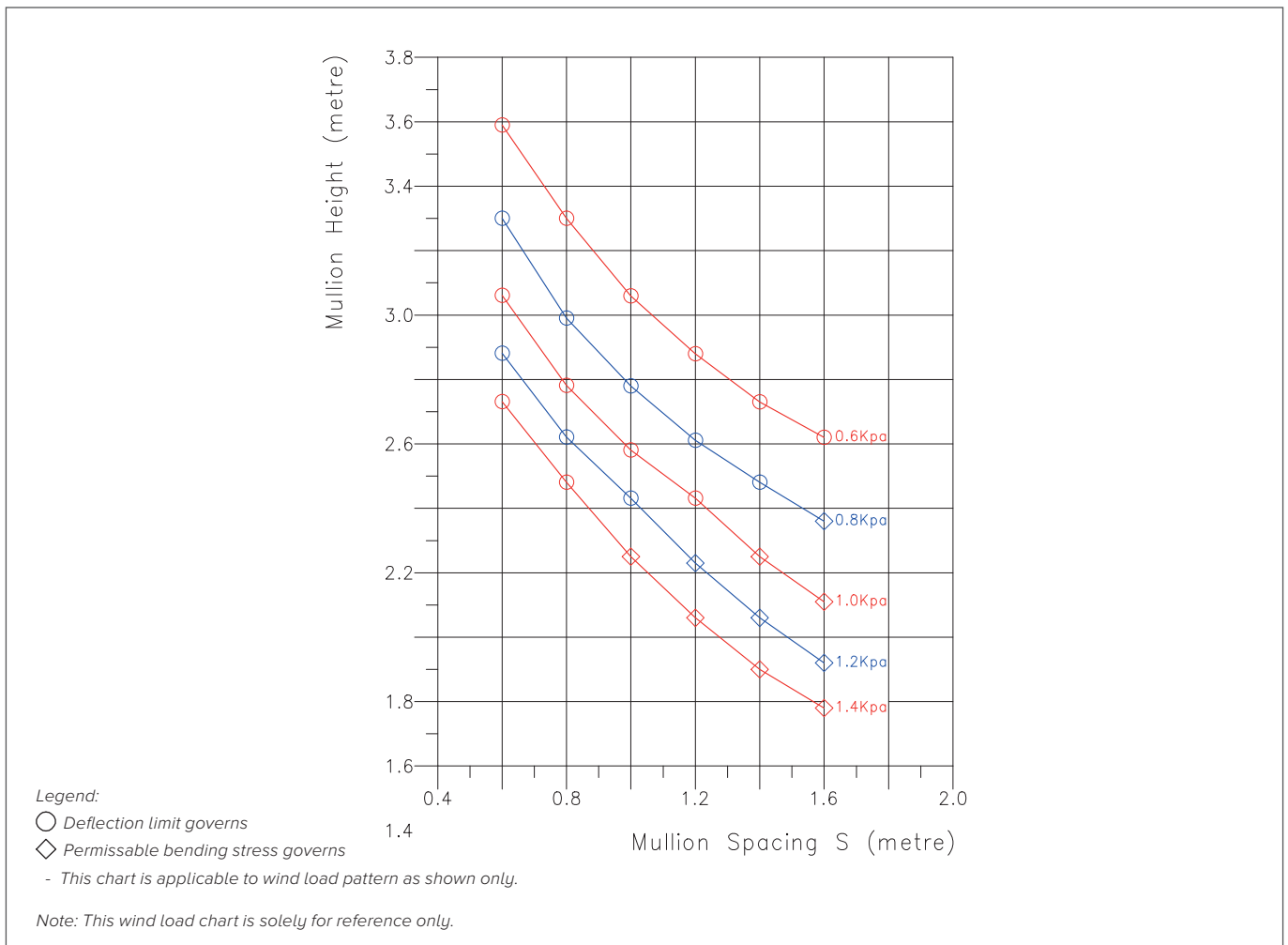
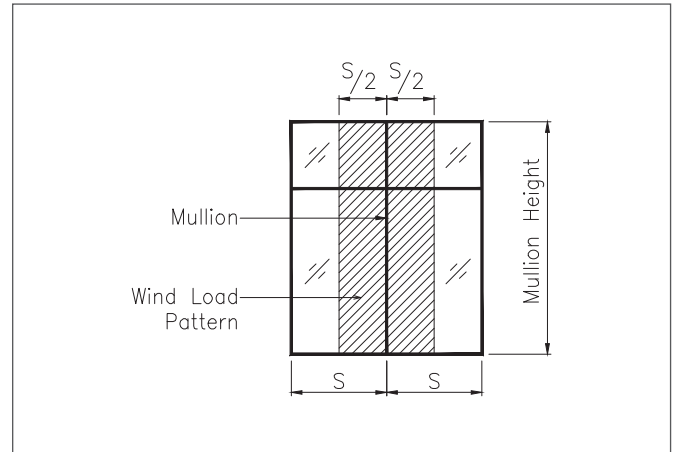
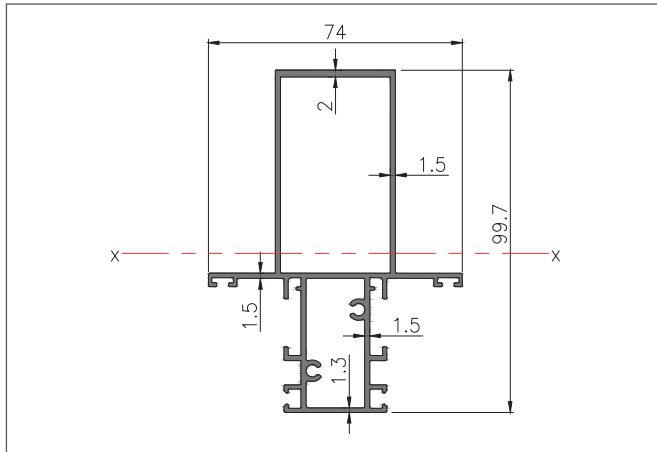


Wind Load Chart

Mullion Section No. : 6242
 Aluminium Alloy : 6063 - T5
 Moment of Inertia Ixx : 56.7 cm⁴
 Mod. of Inertia Zxx : 10.3 cm³

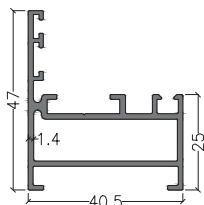
Mod. of Elasticity : 69 x 10⁹ n/m²
 Deflection Limit : Span/175 up to max. 20 mm
 Perm. Bend. Stress : 1.25 x 67 Mpa
 (within slenderness limit)
 Nature of Anchor : Simply Supported at Both Ends

Typical Configuration of Window:

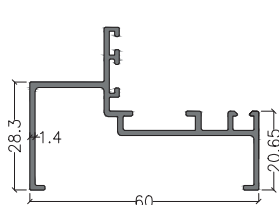


Sectional Details

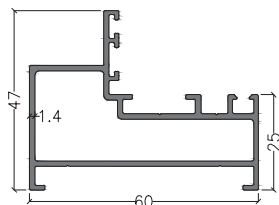
Outer Frames



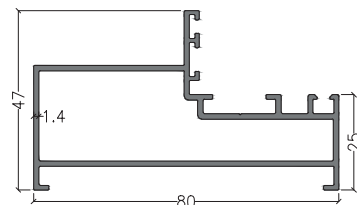
6206
0.683 kg/m "LW"
267.36 mm "AP"



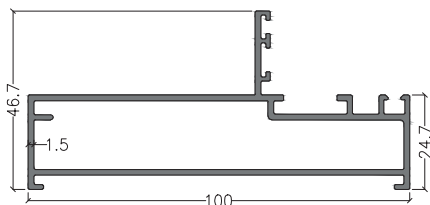
6215
0.604 kg/m "LW"
331.13 mm "AP"



6251
0.852 kg/m "LW"
301.61 mm "AP"

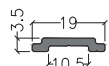


6209
1.009 kg/m "LW"
342.68 mm "AP"



6241
1.215 kg/m "LW"
374.18 mm "AP"

Slide Bar



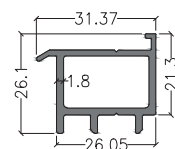
6219
0.117 kg/m "LW"
45.58 mm "AP"

T-Joint Bracket



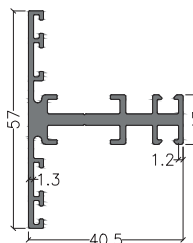
6248
0.270 kg/m "LW"
85.90 mm "AP"

Support

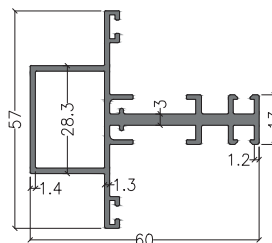


6210
0.474 kg/m "LW"
134.34 mm "AP"

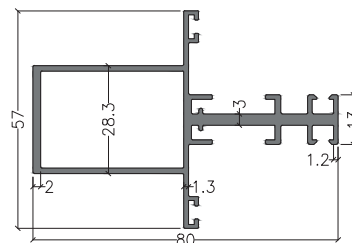
Intermediate Mullions / Transoms



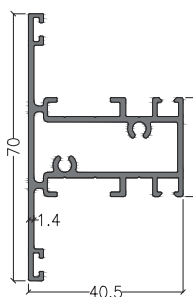
6224
0.808 kg/m "LW"
334.32 mm "AP"
Ixx : 3.4 cm⁴
Iyy : 5.7 cm⁴



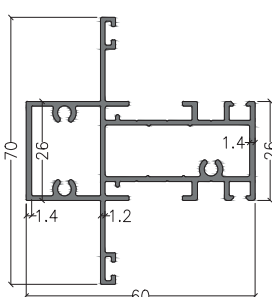
6216
0.993 kg/m "LW"
363.04 mm "AP"
Ixx : 4.4 cm⁴
Iyy : 11.2 cm⁴



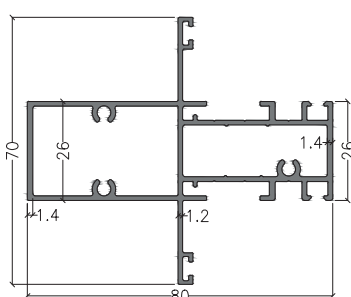
6207
1.200 kg/m "LW"
400.84 mm "AP"
Ixx : 5.5 cm⁴
Iyy : 25.0 cm⁴



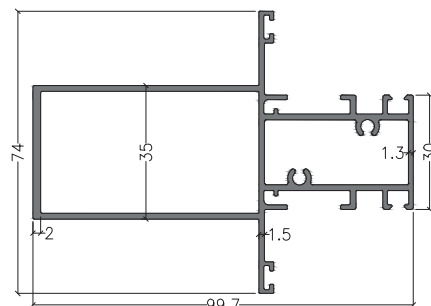
6280
0.894 kg/m "LW"
339.92 mm "AP"
Ixx : 6.8 cm⁴
Iyy : 7.0 cm⁴



6249
1.081 kg/m "LW"
391.76 mm "AP"
Ixx : 7.6 cm⁴
Iyy : 13.4 cm⁴



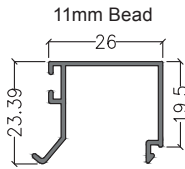
6250
1.214 kg/m "LW"
431.76 mm "AP"
Ixx : 8.3 cm⁴
Iyy : 25.1 cm⁴



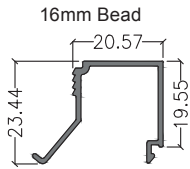
6242
1.611 kg/m "LW"
475.64 mm "AP"
Ixx : 14.3 cm⁴
Iyy : 56.7 cm⁴

Sectional Details

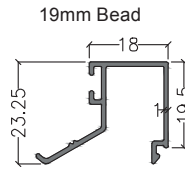
Glazing Beads



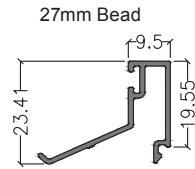
6985 (Inner Frame)
0.231 kg/m "LW"
169.79 mm "AP"



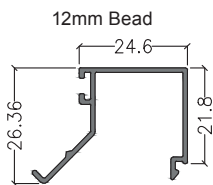
6217 (Inner Frame)
0.224 kg/m "LW"
148.02 mm "AP"



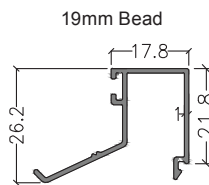
6255 (Inner Frame)
0.227 kg/m "LW"
164.37 mm "AP"



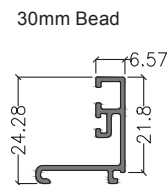
6237 (Inner Frame)
0.226 kg/m "LW"
152.56 mm "AP"



6223 (Outer Frame)
0.251 kg/m "LW"
184.10 mm "AP"

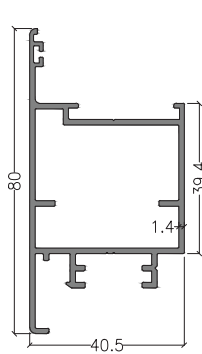


6254 (Outer Frame)
0.251 kg/m "LW"
183.48 mm "AP"

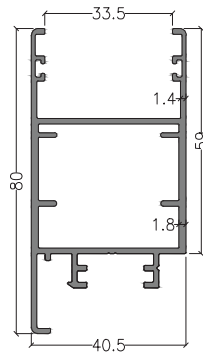


6236 (Outer Frame)
0.206 kg/m "LW"
143.44 mm "AP"

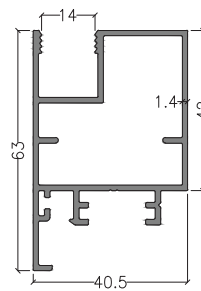
Inner Frames



6208
0.944 kg/m "LW"
335.74 mm "AP"

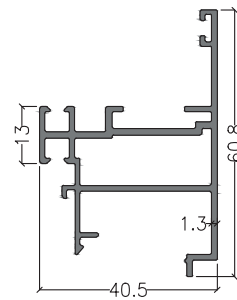


6238
1.107 kg/m "LW"
383.56 mm "AP"



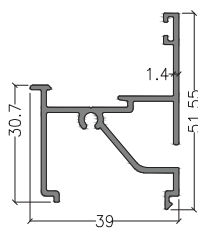
46205
0.957 kg/m "LW"
319.53 mm "AP"

Inner Attachment

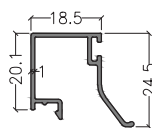


6211
0.755 kg/m "LW"
338.84 mm "AP"

Internal Glazing Frame



46206
0.615 kg/m "LW"
325.02 mm "AP"



46207
0.225 kg/m "LW"
163.47 mm "AP"

ALBESASH PERFORMANCE CASEMENT WINDOW PCW04-40 SERIES

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



MP93C Concealed



MP94HD
Heavy Duty Concealed

Corner Brackets



MP590A Alum



MP90

Gasket / Weather Strips



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



PLG6206
(Co-Extruded
Suntoprene - PP)

Restrictor Bar



CB12, CB08



CB04



CS12



CR12

Latch Bolt & Keeper



MP960 Latch Bolt



6209 Latch Keeper

Support Block



6209 (Top & Bottom)

Push Rod



MP942 (L 30mm)



MP941KS (L 30mm)

Center Capping



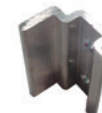
6211

Lockcam



MP950KS (Adjustable)

Catches



6234 Alum.



LB
ALUMINIUM
BERHAD
198501006093 (138535-V)

HEAD OFFICE & FACTORY

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Ver. 05/2020