



LB
ALUMINIUM
BERHAD
198501006093 (138535-V)



PCW01-40

A versatile window casement system that offers significant performance at extremely competitive costs. This highly adaptable system is suitable for various designs and configuration.



Performance Range

- Medium duty.

Typical Technical Features

Nominal Wall Thickness	- 1.30 mm
Standard Frame Depth	- 40 mm
Maximum Frame / Mullion Depth	- 100 mm
Glazing Gap	- 12 - 28 mm
Multipoint Locking System	- Available
Sub-frame	- Compatible
Overlapping Inner Frames	- Standard



Typical Assembly Details

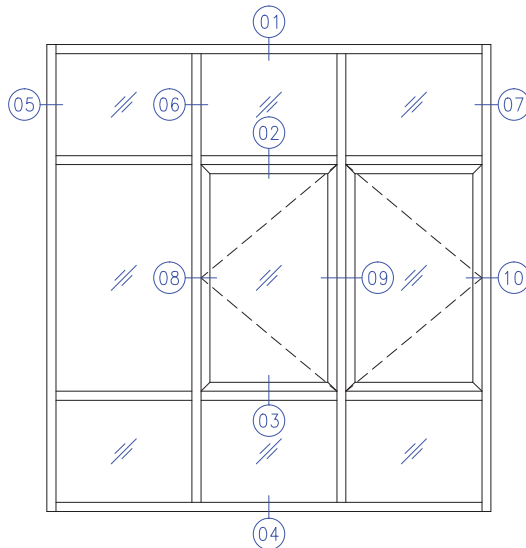
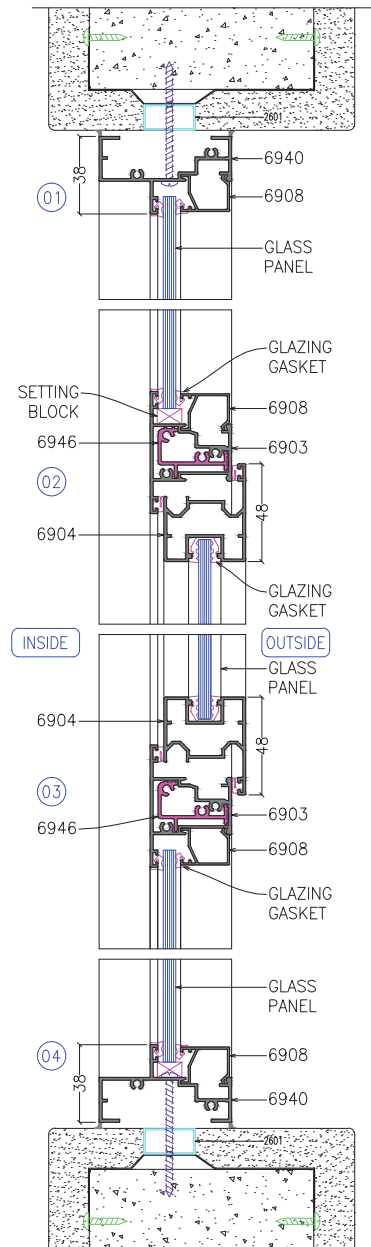
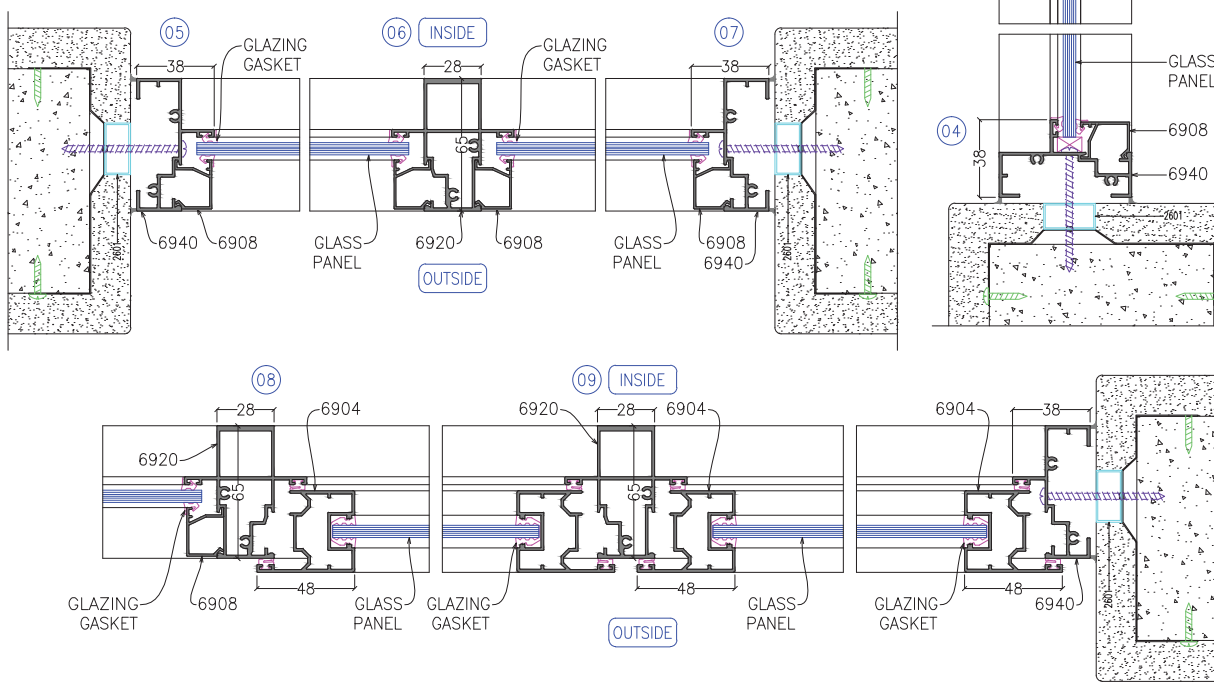


Figure 1

Vertical Sectional View

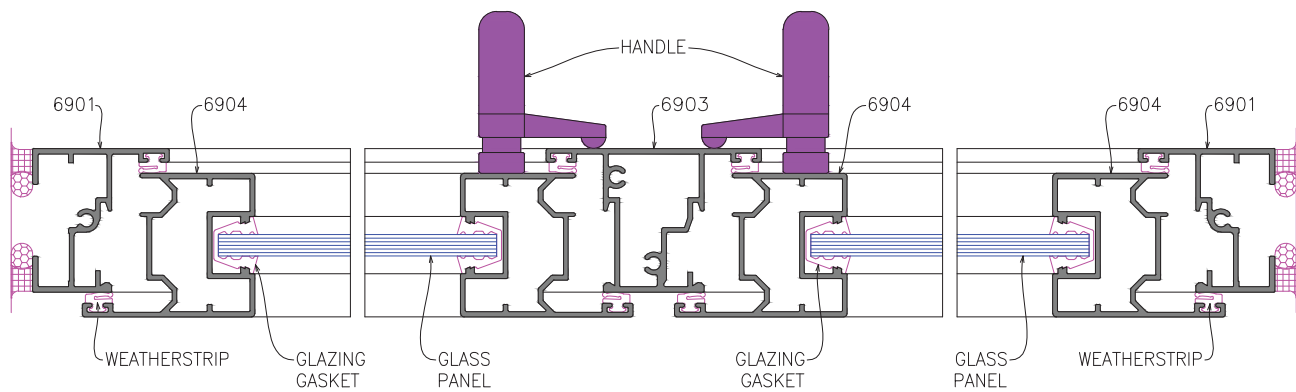


Horizontal Sectional View

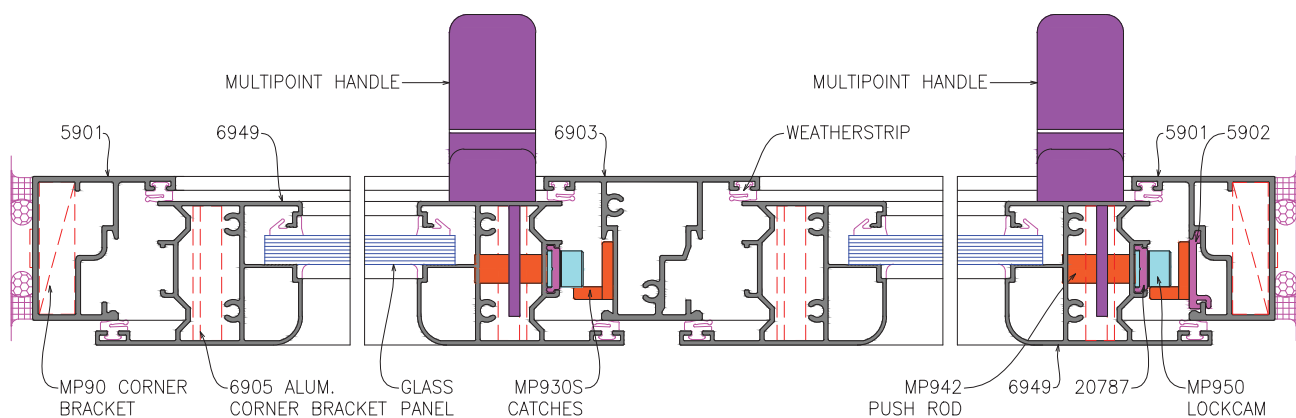


Accessories Arrangement

Single Point Locking

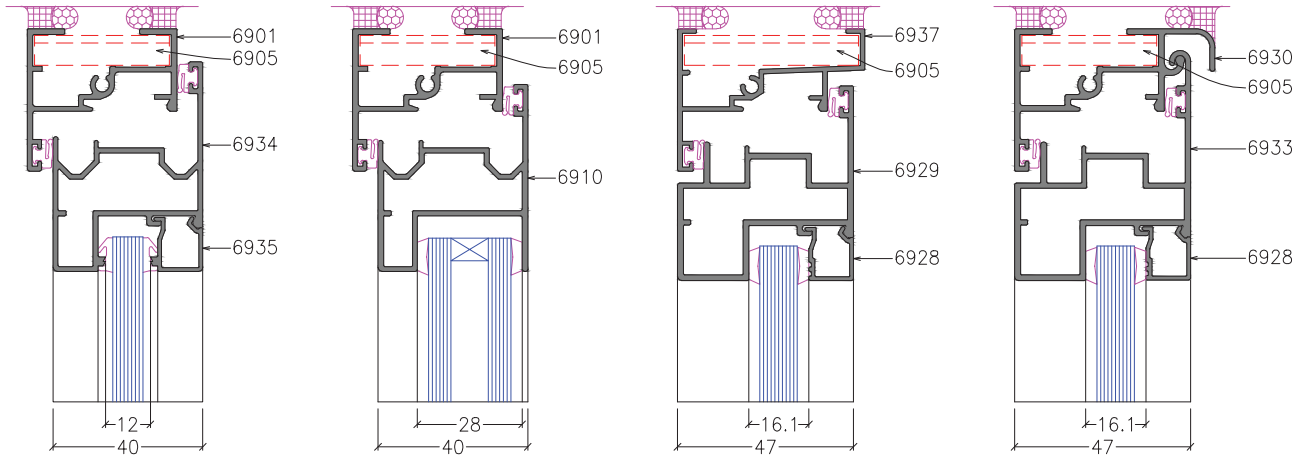


Multipoint Locking (Altrax - Aluminium Slide Bar System)

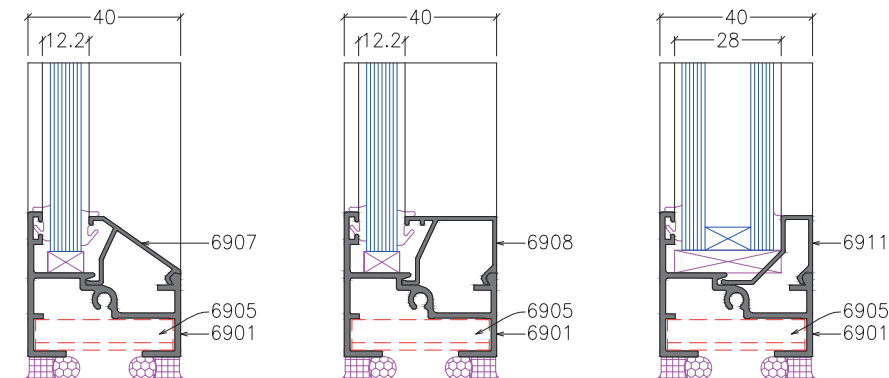


Accessories Arrangement

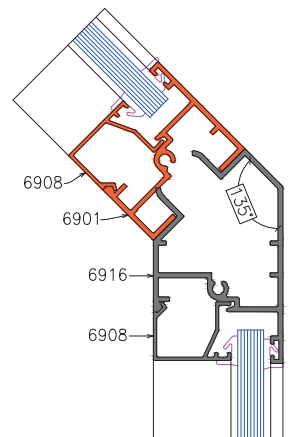
Options For Glass Glazing - Inner Frames



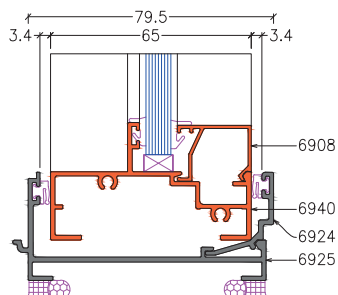
Options For Glass Glazing - Outer Frames



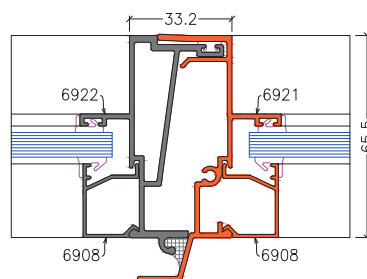
135° Corner Detail



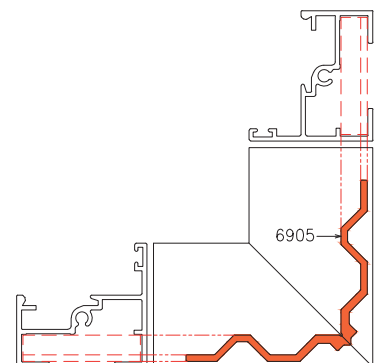
Outer Frame With Water Tray Detail



Intermediate Transom Detail



Corner Bracket Joining Detail

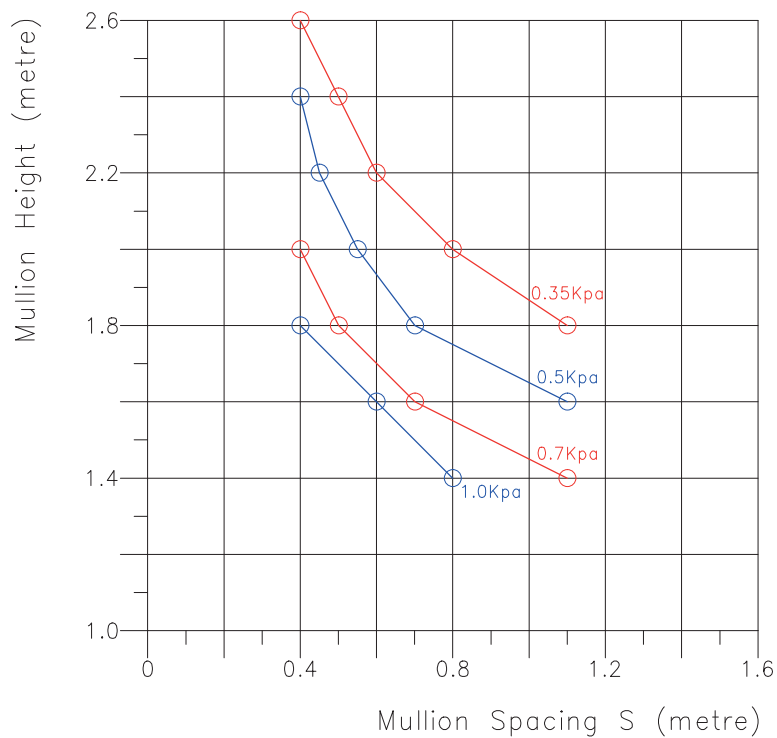
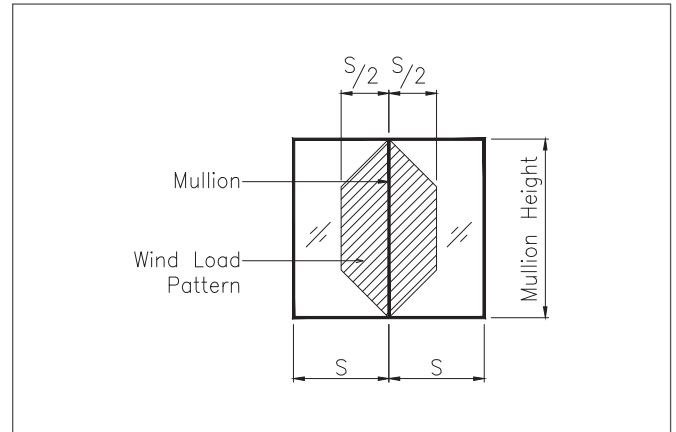
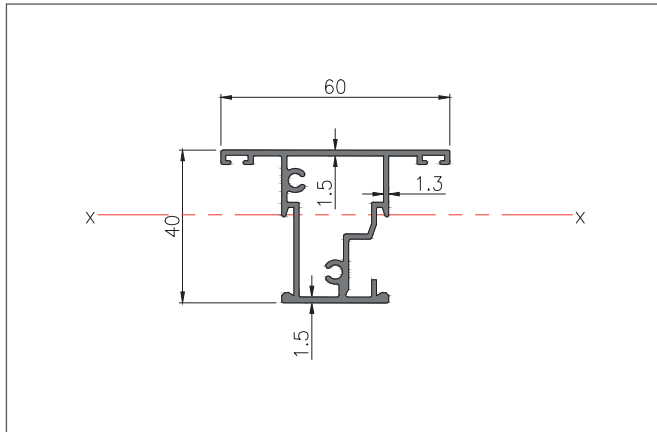


Wind Load Chart

Mullion Section No. : 6903
Aluminium Alloy : 6063 - T5
Moment of Inertia Ixx : 7.0 cm⁴
Mod. of Inertia Zxx : 1.9 cm

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

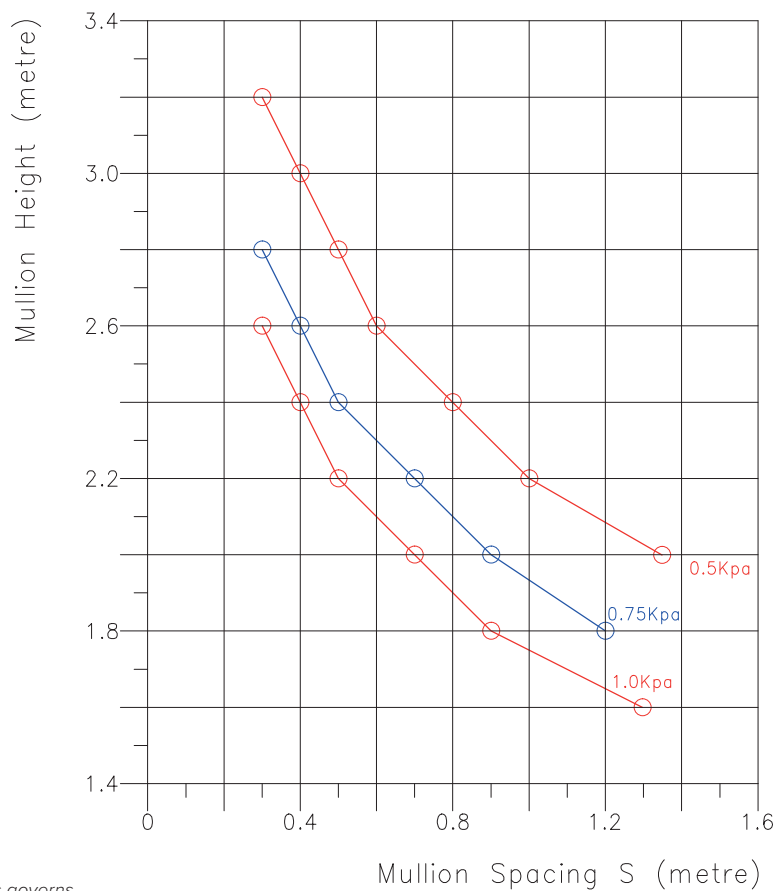
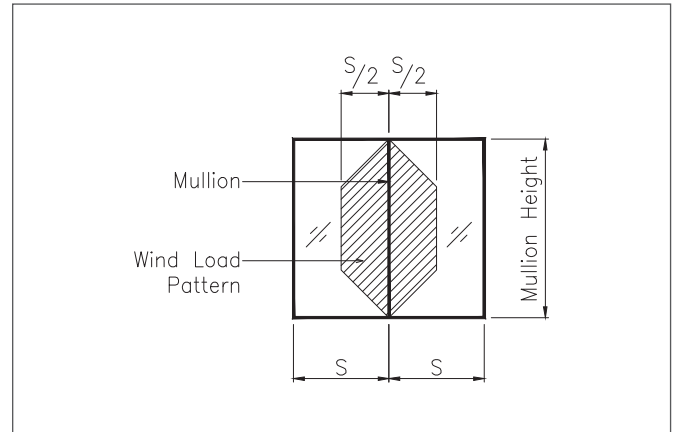
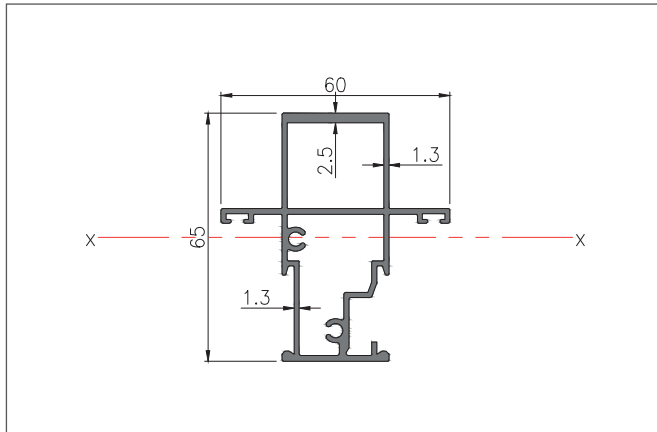
Note: This wind load chart is solely for reference only.

Wind Load Chart

Mullion Section No. : 6920
 Aluminium Alloy : 6063 - T5
 Moment of Inertia Ixx : 18.7 cm⁴
 Mod. of Inertia Zxx : 2.4 cm

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. : 6906

Aluminium Alloy : 6063 - T5

Moment of Inertia Ixx : 70.7 cm⁴

Mod. of Inertia Zxx : 4.3 cm

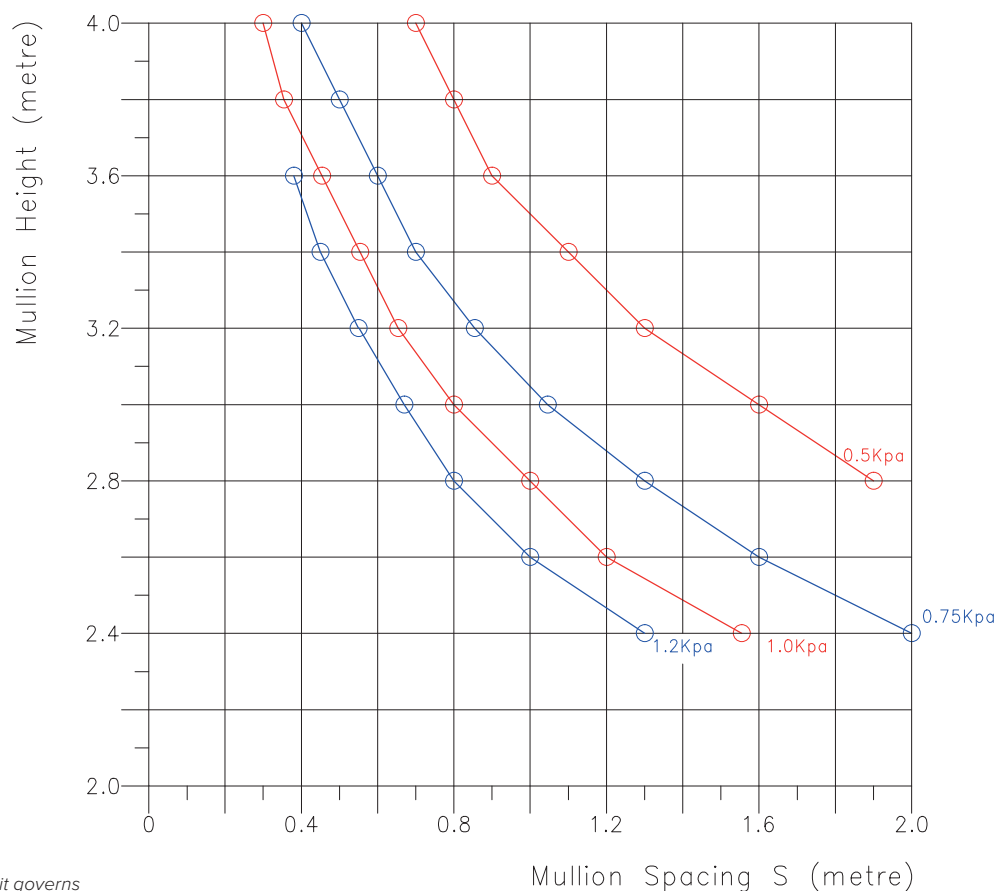
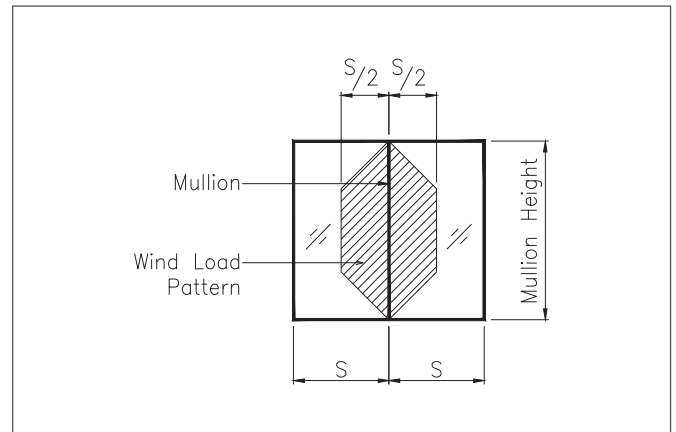
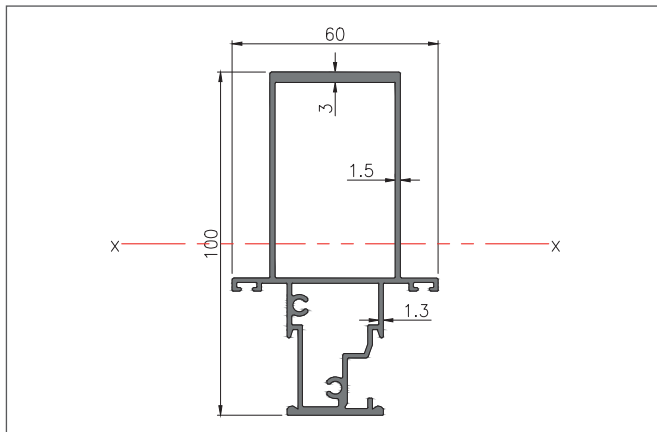
Mod. of Elasticity : 69 x 10⁹ n/m²

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:

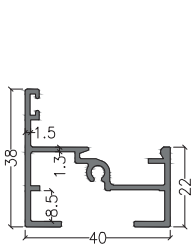
○ Deflection limit governs

◇ Permissible bending stress governs

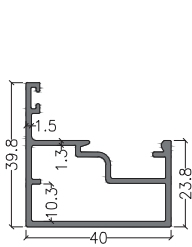
Note: This wind load chart is solely for reference only.

Sectional Details

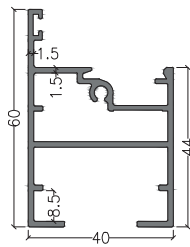
Outer Frames



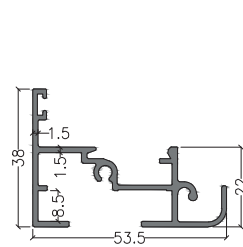
6901
0.561 kg/m "LW"
288.82 mm "AP"



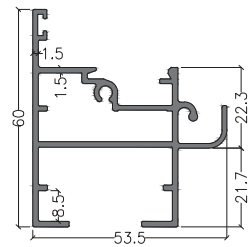
5901
0.630 kg/m "LW"
201.65 mm "AP"



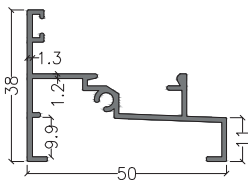
6931
0.919 kg/m "LW"
329.16 mm "AP"



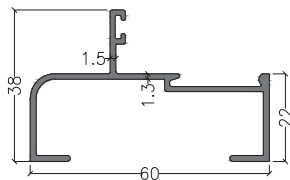
6930
0.682 kg/m "LW"
343.03 mm "AP"



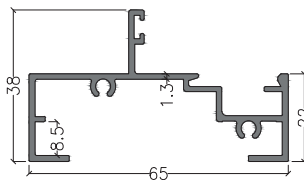
6932
1.034 kg/m "LW"
387.04 mm "AP"



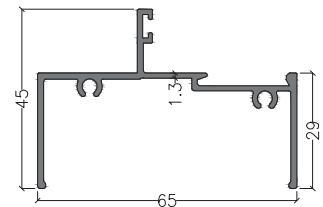
6937
0.489 kg/m "LW"
288.21 mm "AP"



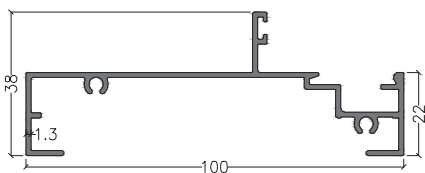
6948
0.553 kg/m "LW"
287.30 mm "AP"



6940
0.700 kg/m "LW"
363.30 mm "AP"



6923
0.654 kg/m "LW"
331.32 mm "AP"

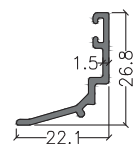


6966
0.792 kg/m "LW"
432.52 mm "AP"

Water Tray

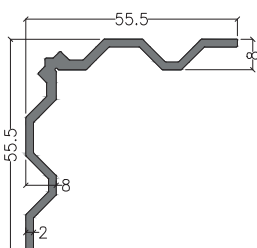


6925
0.639 kg/m "LW"
310.18 mm "AP"

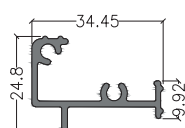


6924
0.199 kg/m "LW"
103.32 mm "AP"

Corner Brackets



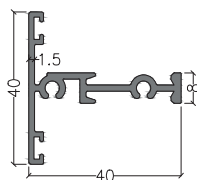
6905
0.681 kg/m "LW"
232.60 mm "AP"



6946
0.370 kg/m "LW"
171.11 mm "AP"

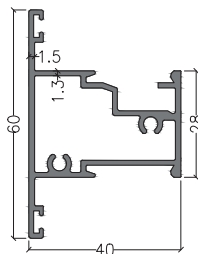
Sectional Details

Intermediate Mullions



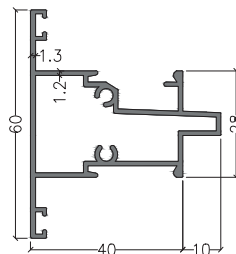
6902

0.529 kg/m "LW"
250.94 mm "AP"
Ixx : 1.2 cm⁴
Iyy : 3.6 cm⁴



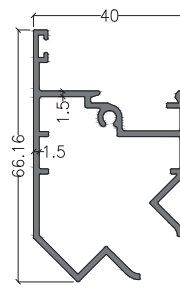
6903

0.835 kg/m "LW"
270.71 mm "AP"
Ixx : 5.5 cm⁴
Iyy : 7.0 cm⁴



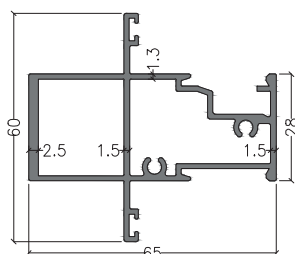
6938

0.797 kg/m "LW"
291.06 mm "AP"
Ixx : 5.2 cm⁴
Iyy : 7.7 cm⁴



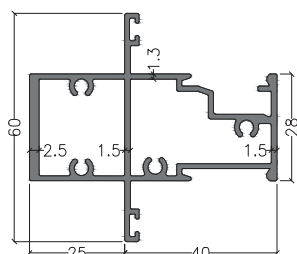
6916

0.834 kg/m "LW"
410.67 mm "AP"



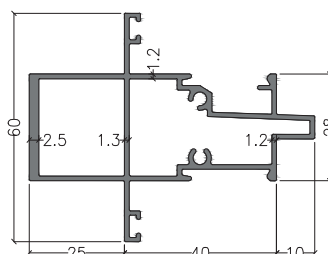
6920

1.184 kg/m "LW"
318.31 mm "AP"
Ixx : 7.0 cm⁴
Iyy : 18.7 cm⁴



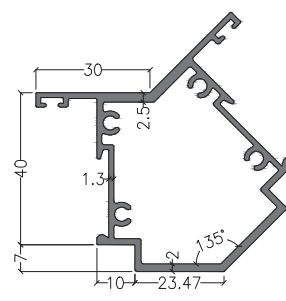
6955

1.253 kg/m "LW"
316.61 mm "AP"
Ixx : 7.3 cm⁴
Iyy : 19.5 cm⁴



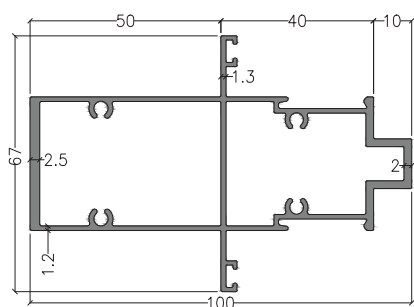
6947

1.127 kg/m "LW"
337.00 mm "AP"
Ixx : 6.6 cm⁴
Iyy : 20.4 cm⁴



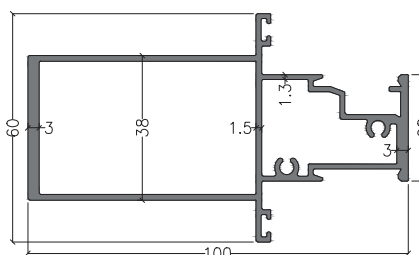
6918

1.218 kg/m "LW"
300.34 mm "AP"



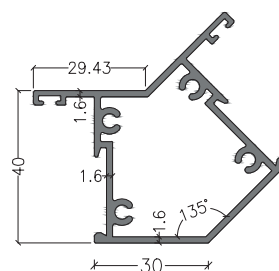
5958

1.533 kg/m "LW"
381.46 mm "AP"
Ixx : 12.9 cm⁴
Iyy : 57.9 cm⁴



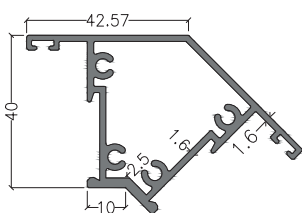
6906

1.661 kg/m "LW"
385.92 mm "AP"
Ixx : 12.7 cm⁴
Iyy : 70.7 cm⁴



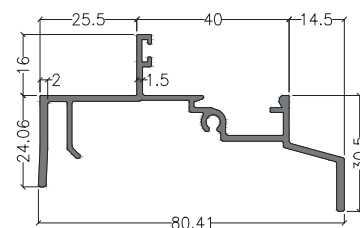
6919

1.135 kg/m "LW"
277.47 mm "AP"



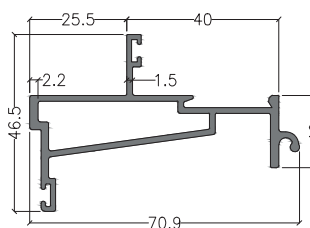
6914

1.104 kg/m "LW"
263.74 mm "AP"



6921

0.783 kg/m "LW"
371.59 mm "AP"



6922

0.898 kg/m "LW"
295.65 mm "AP"

Slide Bar

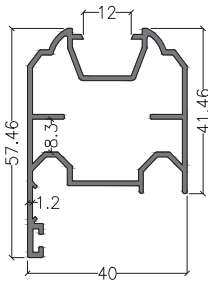


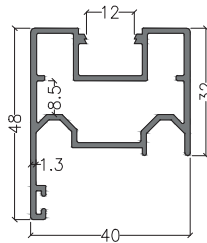
20787

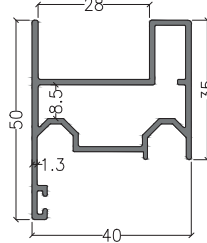
0.079 kg/m "LW"
34.69 mm "AP"

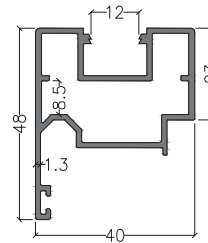
Sectional Details

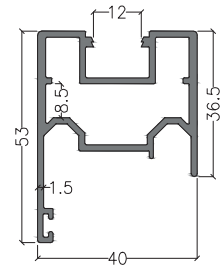
Inner Frames

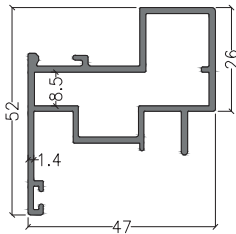

5827

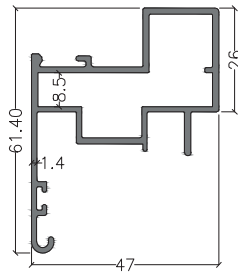
0.813 kg/m "LW"
261.12 mm "AP"

6904

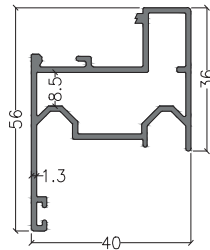
0.764 kg/m "LW"
247.31 mm "AP"

6910

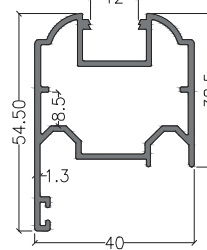
0.725 kg/m "LW"
248.95 mm "AP"

6912

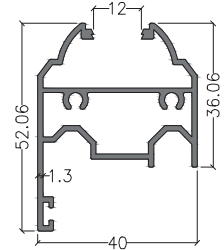
0.735 kg/m "LW"
233.82 mm "AP"

6913

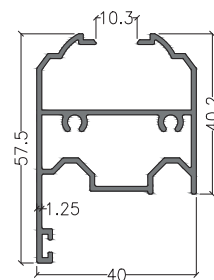
0.928 kg/m "LW"
264.72 mm "AP"

6929

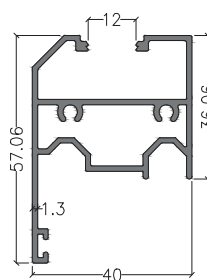
0.837 kg/m "LW"
265.92 mm "AP"

6933

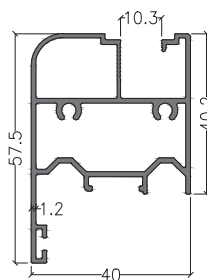
0.888 kg/m "LW"
294.49 mm "AP"

6934

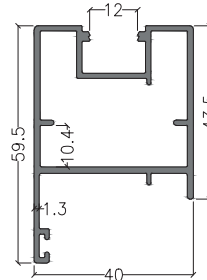
0.719 kg/m "LW"
252.89 mm "AP"

6936

0.784 kg/m "LW"
252.87 mm "AP"

6939

0.770 kg/m "LW"
297.94 mm "AP"

6942

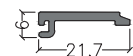
0.774 kg/m "LW"
311.08 mm "AP"

6943

0.833 kg/m "LW"
318.07 mm "AP"

6949

0.817 kg/m "LW"
293.09 mm "AP"

5900

0.866 kg/m "LW"
259.61 mm "AP"

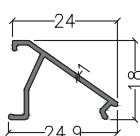
Outer Frame Capping


5902

0.145 kg/m "LW"
60.41 mm "AP"
(Only match with 5901)

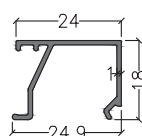
Glazing Beads

12mm Bead


6907

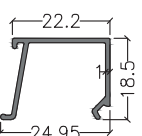
0.144 kg/m "LW"
106.40 mm "AP"

12mm Bead


6908

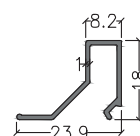
0.184 kg/m "LW"
133.46 mm "AP"

14mm Bead


6968

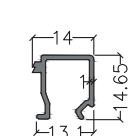
0.173 kg/m "LW"
126.08 mm "AP"

28mm Bead


6911

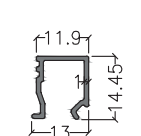
0.151 kg/m "LW"
110.68 mm "AP"

12mm Bead


6935

0.129 kg/m "LW"
91.32 mm "AP"

16mm Bead


6928

0.120 kg/m "LW"
87.31 mm "AP"

ALBESASH PERFORMANCE CASEMENT WINDOW PCW01-40 SERIES

Accessories

Handles

Single Point



CH100



CH720



CH200



CH600



CH708

Altrax (Multipoint)



MPH3901
Single Fork



MPH3902
Single Fork



MPH3903
Single Fork



MPH3701
Single / Double Fork



MPH3707
Single / Double Fork



MPH3708
Single / Double Fork

Lockcam



MP950 (10, 12, 14mm)

Catches



MP930S

Push Rod



MP942 (L 30mm)



MP941KS (L 30mm)

Corner Brackets



6905 Alum.



MP90



MP590A Alum.

Hinges



4 Bar Hinge
(13mm Stack Ht.)



CB12, CB08



CB04

Weather Strips



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



PLG6981
(Co-Extruded Suntoprene - PP)



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)



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