LB ALUMINIUM BERHAD
138535-V

ECODOOR SLIDING DOOR

SLD1.0

A choice of combinations ensures suitability for any variety of design applications that performs at very competitive cost.

Performance Range

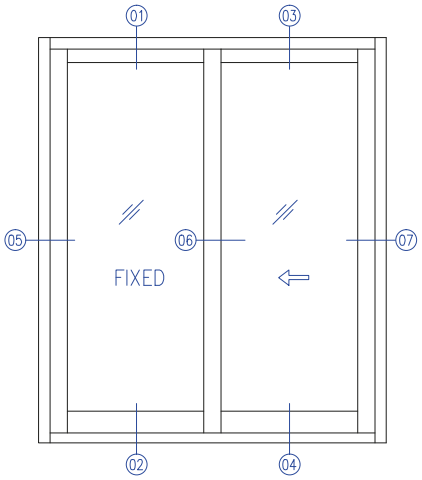
- Medium duty.

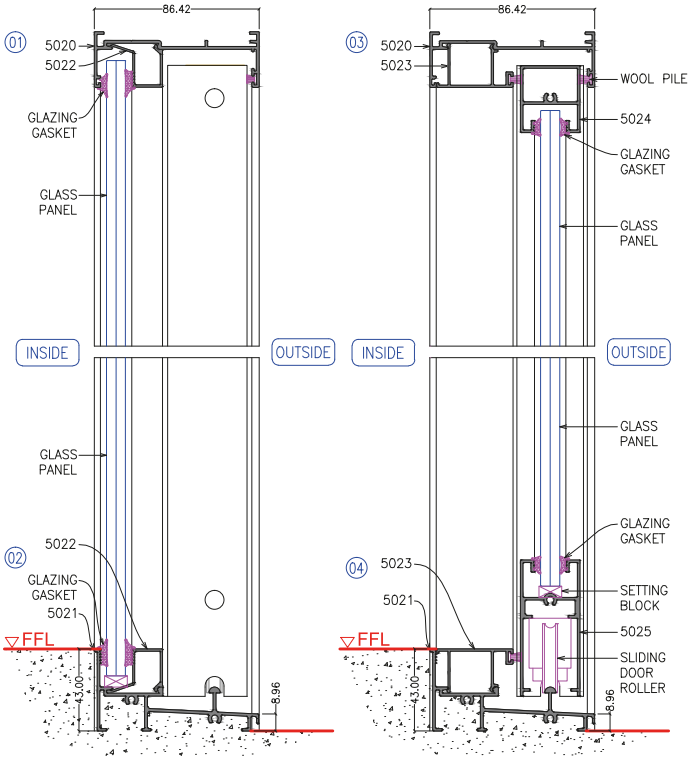
Typical Technical Features

Inner Frame Depth	- 35 mm
Inner Frame Width	- 50 mm, 60 mm & 65 mm
Inner Frame Nominal Wall Thickness.	- 1.35 mm
Outer Frames	- 2 and 3 tracks
Water Drainage System	- Very good with 4 side perimeter weather sealing for each panel.

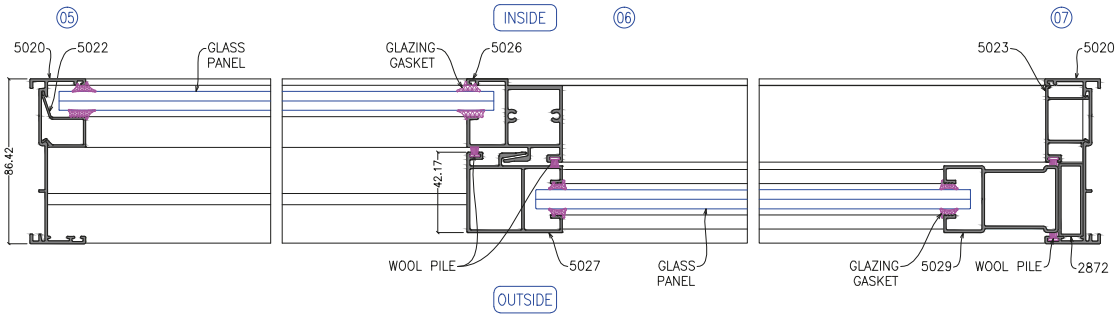
Typical Assembly Details

Typical Elevations - 2 Sliding Panels



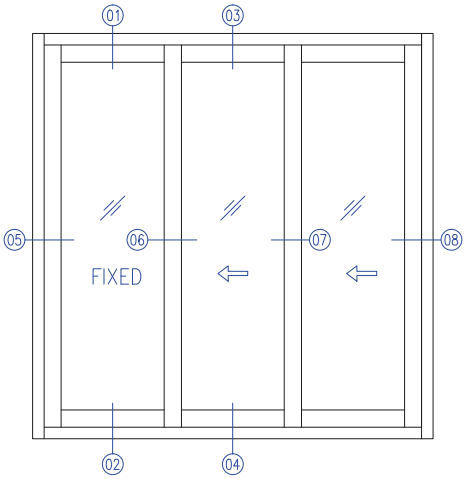


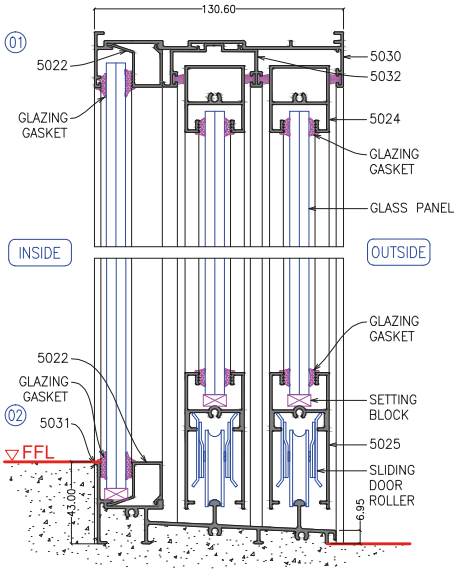
2 Track - 1 Sliding Panel + 1 Fixed Panel

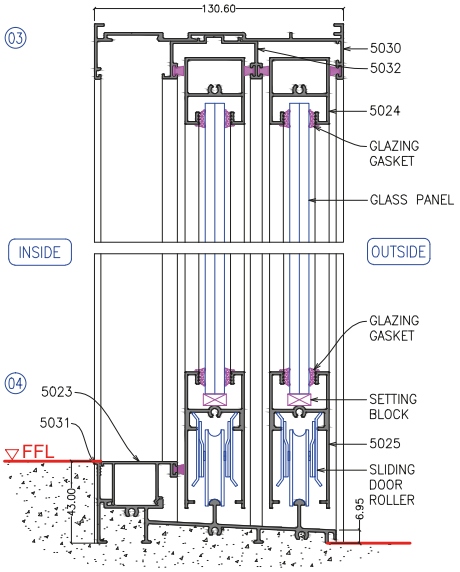


Typical Assembly Details

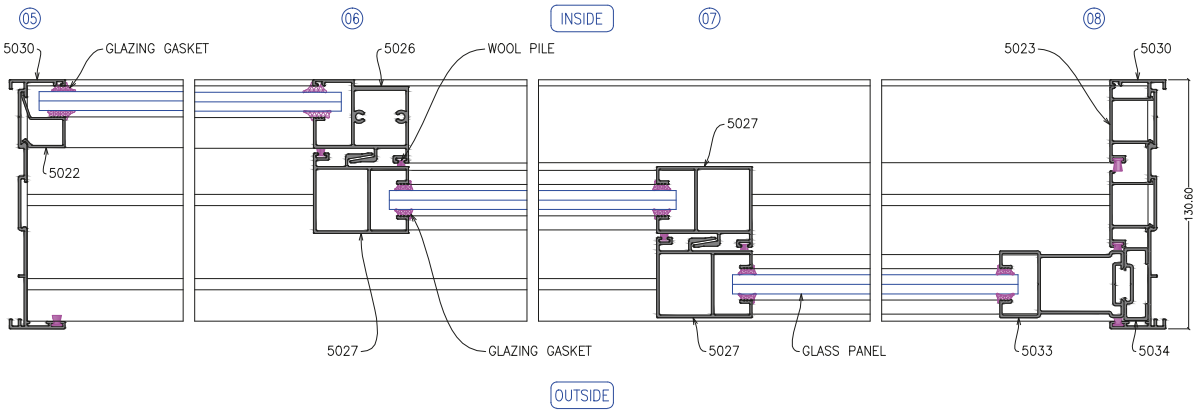
Typical Elevations - 3 Sliding Panels





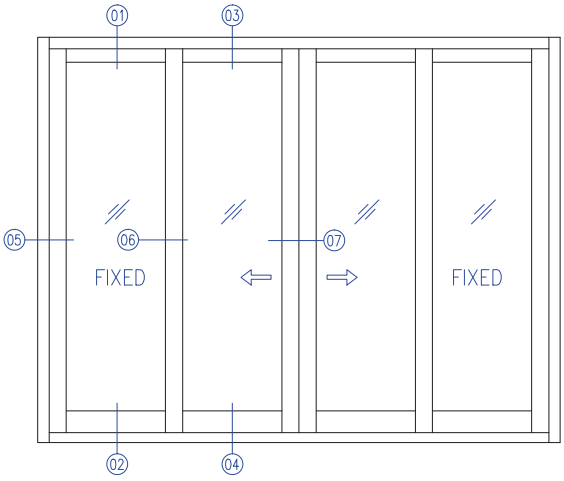


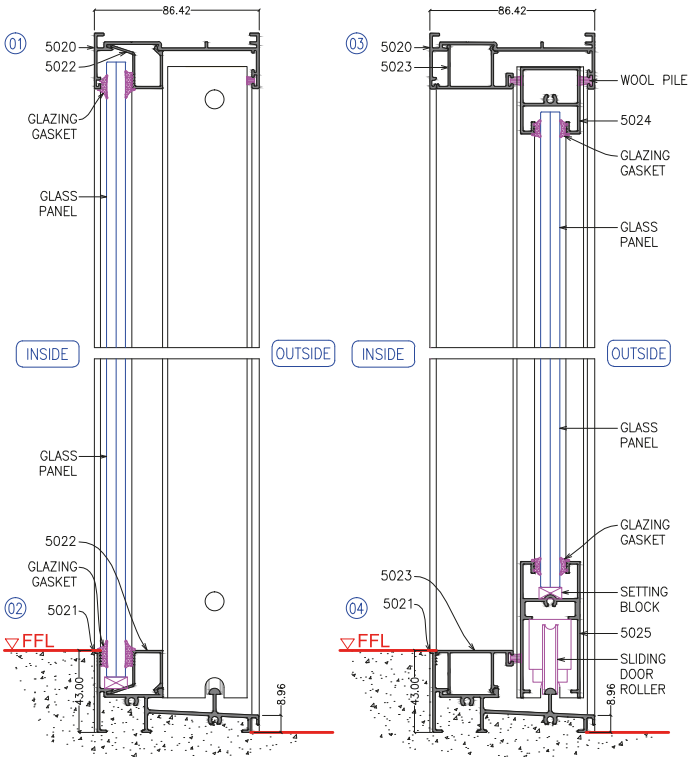
3 Track - 2 Sliding Panel + 1 Fixed Panel



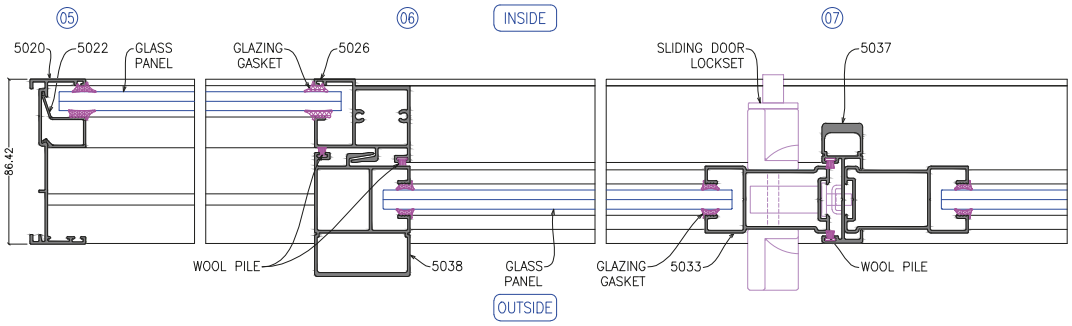
Typical Assembly Details

Typical Elevations - 2 Sliding Panels



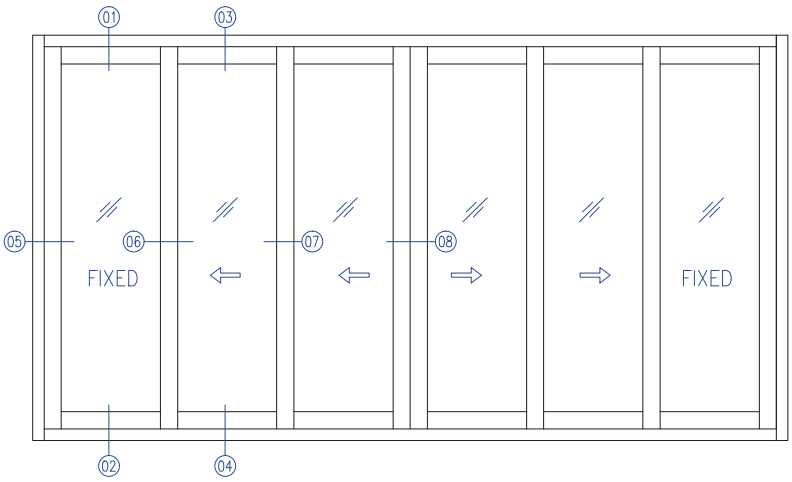


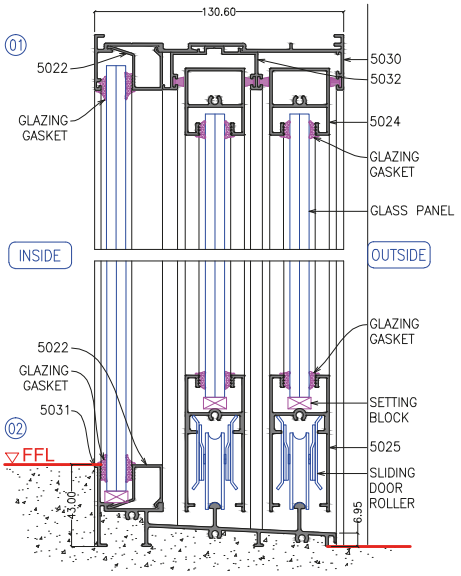
2 Track - 1 Sliding Panels + 1 Fixed Panel

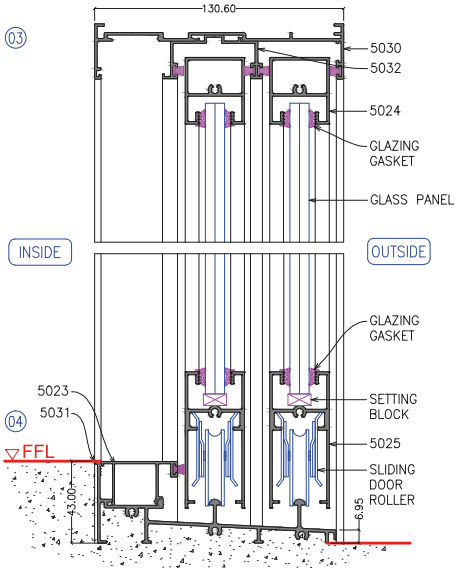


Typical Assembly Details

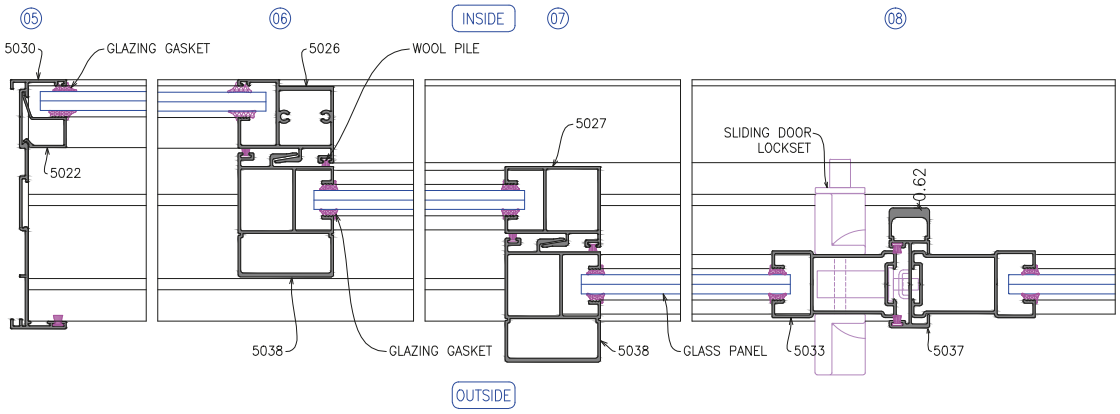
Typical Elevations - 3 Sliding Panels





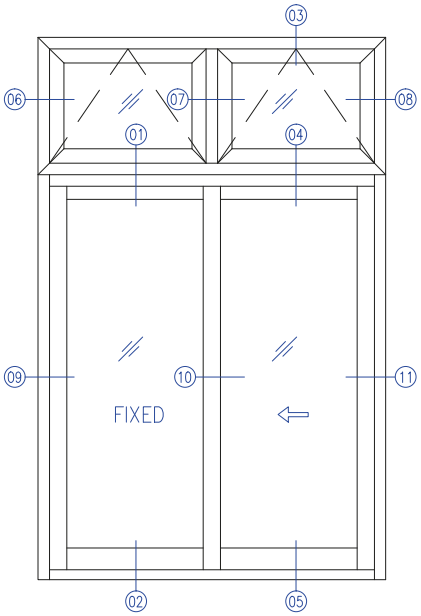


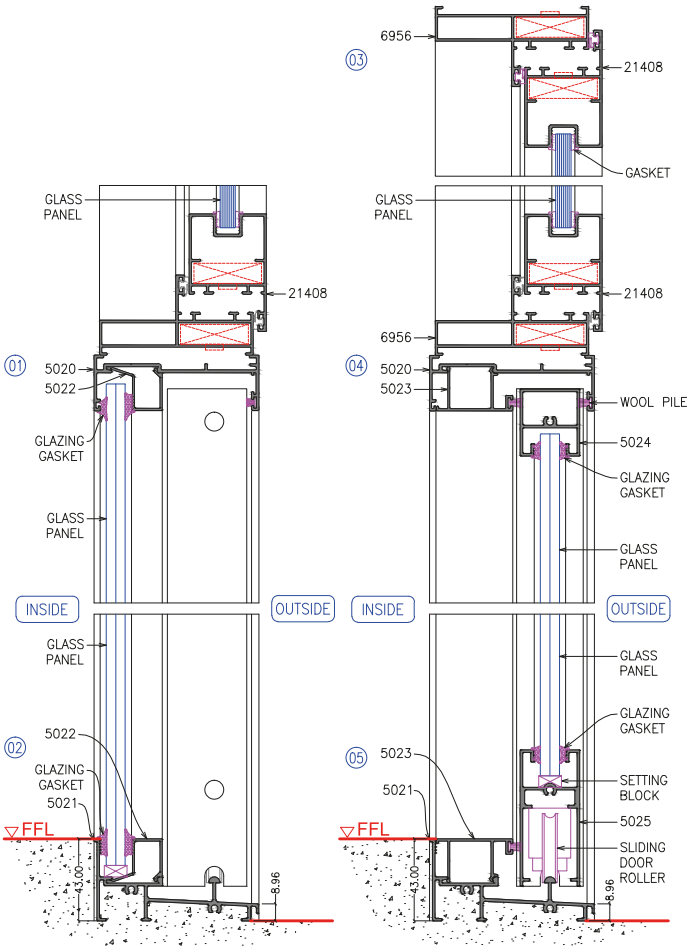
3 Track - 2 Sliding Panels + 1 Fixed Panel



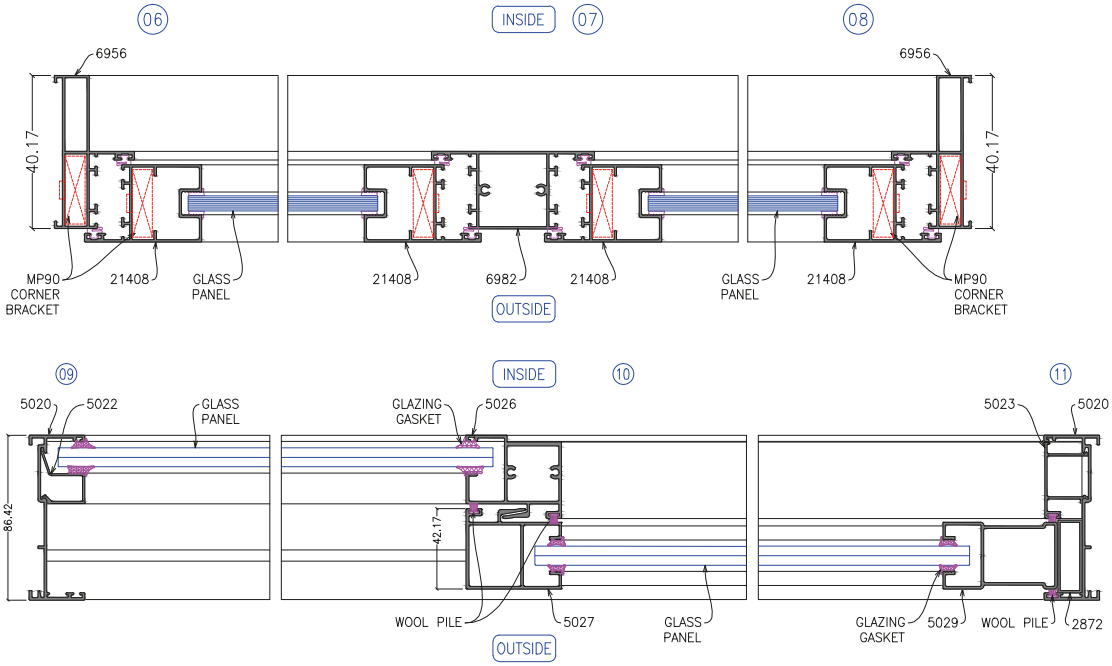
Typical Assembly Details

Typical Elevations - 2 Sliding Panels



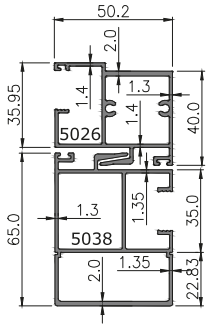


2 Track - 1 Sliding Panels + 1 Fixed Panel



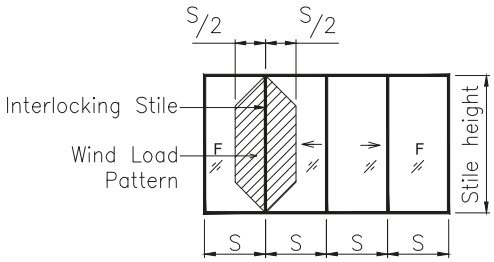
Wind Load Chart

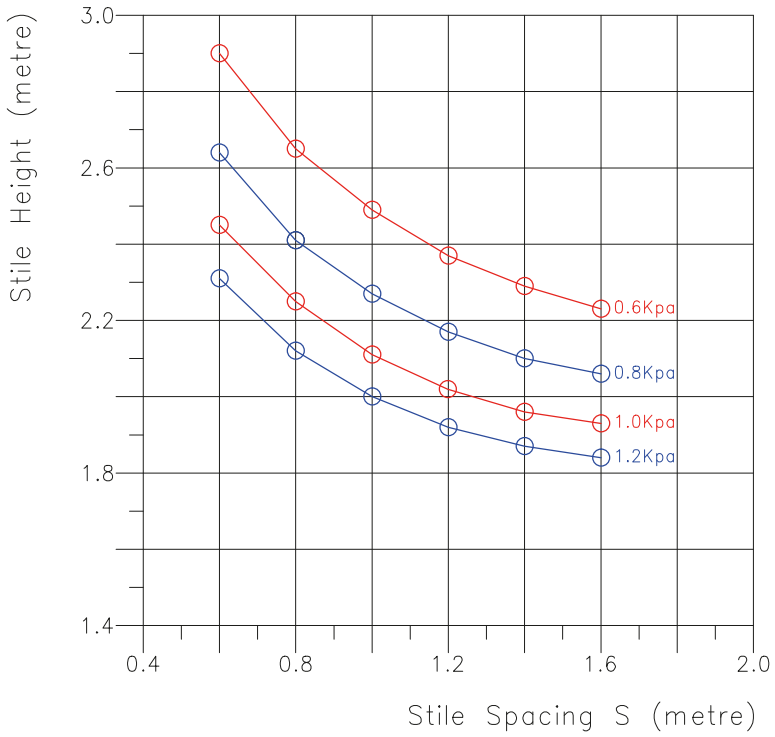
Mullion Section No.	: 5026 & 5038
Aluminium Alloy	: 6063 - T5
Overall Moment of Inertia Ixx	: 28.0 cm^4
Overall Moment of Resistance MRxx	: 768 n-m
Mod. of Elasticity	: 70 x 10^9 n/m^2
Deflection Limit	: Span/175 up to max. 20 mm
Perm. Bend. Stress (within slenderness limit)	: 1.25 x 67 Mpa
Nature of Anchor	: Simply Supported at Both Ends



Note: Suffix xx denotes axis perpendicular to wind load.

Typical Configuration of Sliding Door:





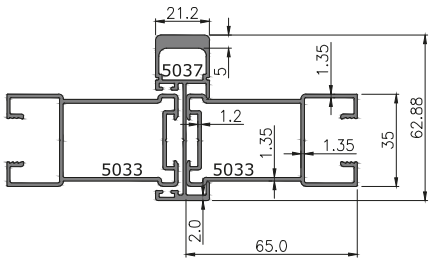
Legend:
◯ *Deflection limit governs*
◇ *Moment resistance governs*

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

Wind Load Chart

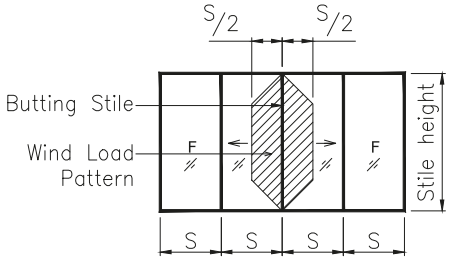
Mullion Section No. : 5033(x2) & 5037
Aluminium Alloy : 6063 - T5
Overall Moment of Inertia Ixx : 25.8 cm^4
Overall Moment of Resistance MRxx : 826 n-m

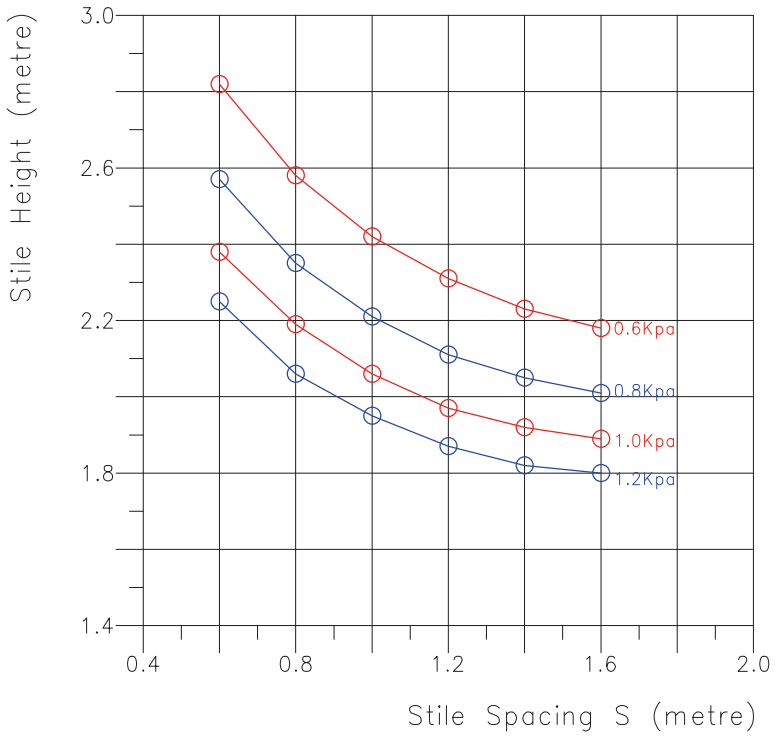
Mod. of Elasticity : 70 x 10^9 n/m^2
Deflection Limit : Span/175 up to max. 20 mm
Perm. Bend. Stress (within slenderness limit) : 1.25 x 67 Mpa
Nature of Anchor : Simply Supported at Both Ends



Note: Suffix xx denotes axis perpendicular to wind load.

Typical Configuration of Sliding Door:



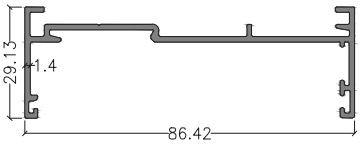


Legend:
◯ *Deflection limit governs*
◇ *Moment resistance governs*

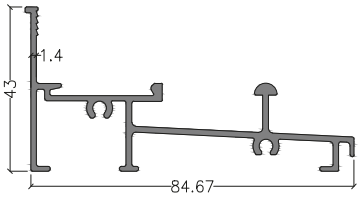
Note: This wind load chart is solely for reference only.

Sectional Details

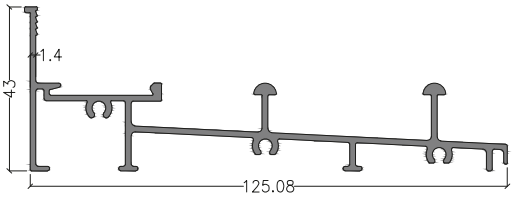
Outer Tracks



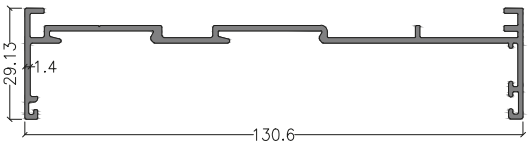
5020
0.665 kg/m "LW"
355.19 mm "AP"



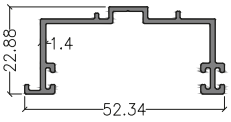
5021
0.900 kg/m "LW"
430.89 mm "AP"



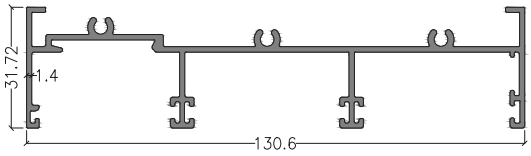
5031
1.217 kg/m "LW"
571.26 mm "AP"



5030
0.881 kg/m "LW"
461.10 mm "AP"

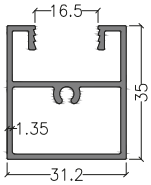


5032
0.400 kg/m "LW"
234.00 mm "AP"

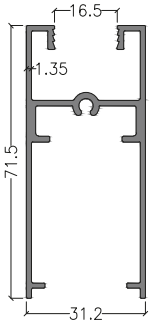


5035
1.202 kg/m "LW"
619.99 mm "AP"

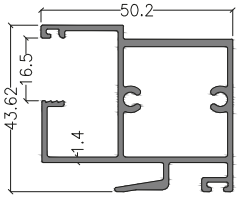
Top, Bottom, Side, Interlock, Intermediate Inner Frames



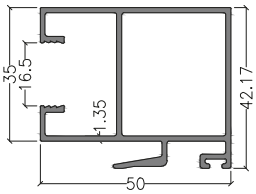
5024
0.591 kg/m "LW"
206.22 mm "AP"



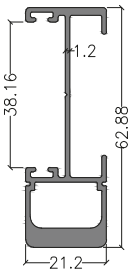
5025
0.859 kg/m "LW"
428.78 mm "AP"



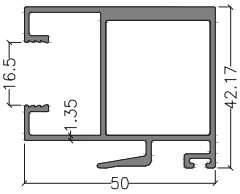
5026
0.970 kg/m "LW"
332.64 mm "AP"



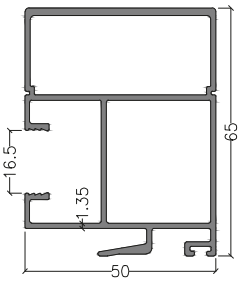
5027
0.843 kg/m "LW"
333.54 mm "AP"



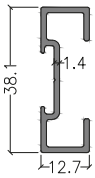
5037
0.770 kg/m "LW"
255.22 mm "AP"



5028
1.002 kg/m "LW"
333.62 mm "AP"

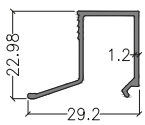


5038
1.272 kg/m "LW"
382.35 mm "AP"

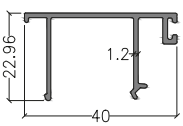


5034
0.324 kg/m "LW"
169.47 mm "AP"

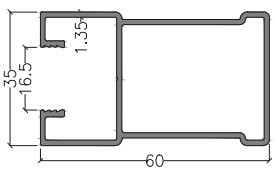
Glazing Beads



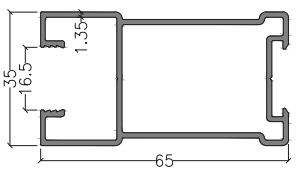
5022
0.220 kg/m "LW"
144.57 mm "AP"



5023
0.309 kg/m "LW"
195.83 mm "AP"



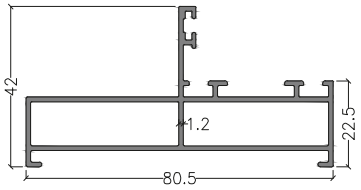
5029
0.771 kg/m "LW"
285.82 mm "AP"



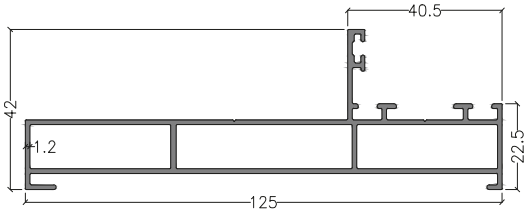
5033
0.849 kg/m "LW"
311.60 mm "AP"

Sectional Details

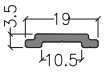
Casement Attachment For Composite Window (PCW02-40)



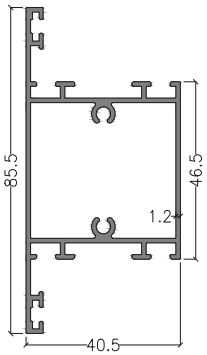
6956
0.875 kg/m “LW”
325.99 mm “AP”



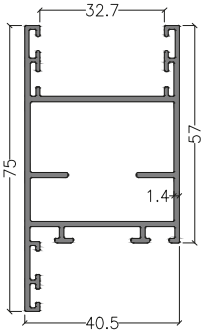
6963 (Outer Frame)
1.222 kg/m “LW”
423.35 mm “AP”



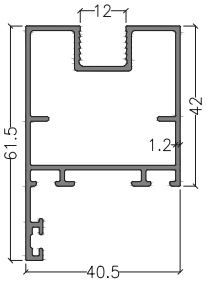
6219 (Slide Bar)
0.117 kg/m “LW”
45.58 mm “AP”



6982 (Mullion)
0.965 kg/m “LW”
383.59 mm “AP”

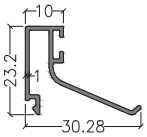


6957 (Inner)
1.006 kg/m “LW”
384.37 mm “AP”

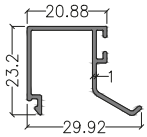


21408 (Inner)
0.798 kg/m “LW”
289.83 mm “AP”

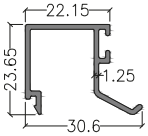
6218
0.179 kg/m “LW”
101.90 mm “AP”



6997 (Beading)
0.219 kg/m “LW”
159.37 mm “AP”



6944 (Beading)
0.228 kg/m “LW”
166.07 mm “AP”



6996 (Beading)
0.286 kg/m “LW”
168.80 mm “AP”

Accessories

Rollers

FP006SRA Italy,
FAPIM Sliding Single Roller
(Rating: 40kg)

NZ04 New Zealand,
AES Roller
(Rating: 40kg)

FP005DRA Italy,
FAPIM SPA Roller
(Rating: 70kg)

001DR

Sliding Door Lockset

AK 50 Lockset
(with/without Key)

Stopper

003

Hole Plugs

001

Woolpile

5 x 5
5 x 7

LB ALUMINIUM BERHAD
138535-V

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