ALBENestra®

Performance Sliding Window

PSW01

Designed and tested according to MS832

LB ALUMINIUM BERHAD
198501006093 (138535-V)

ALBENestra®

PERFORMANCE SLIDING WINDOW
PSW01

Product

ALBENestra PSW01

Typical Technical Features

inner Frame Thickness	:	1.35mm
Inner Frame Depth	:	23.00mm
Inner Frame Width	:	50.00mm
Outer Frame	:	2 & 3 Tracks
Outer Frame Depth	:	65.00mm & 97.50mm
Corner Joints	:	Mitre Joints with Brackets
Glazing Gap	:	15.00mm
Locking System	:	Single Point

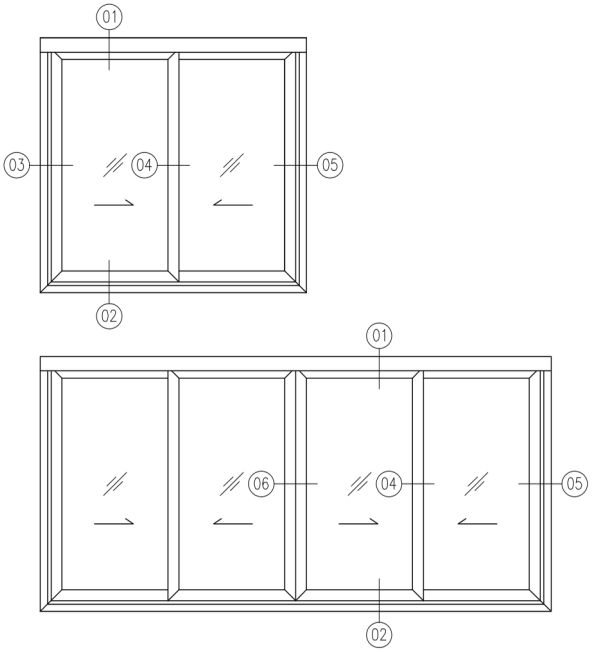
Performance Test

This sliding window suite had been tested in compliance to MS 832:2022 performance test procedure for:

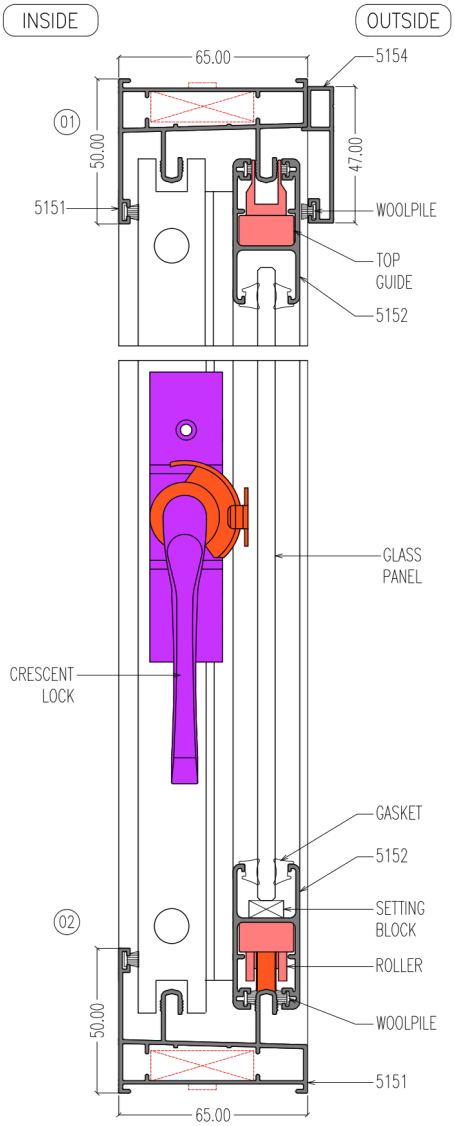
1. 1200Pa windload	:	Passed
2. 240Pa air leakage	:	Passed
3. 360Pa water infiltration	:	Passed

Note: Test report available upon request.

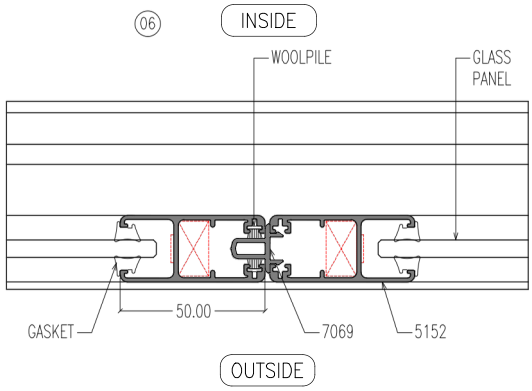
Typical Assembly Details

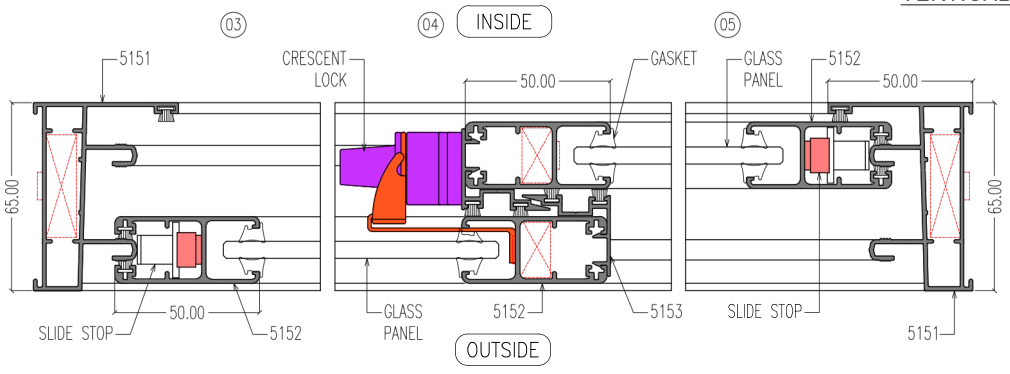


ELEVATION



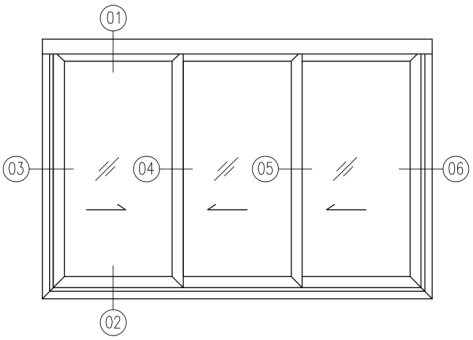
VERTICAL SECTIONS



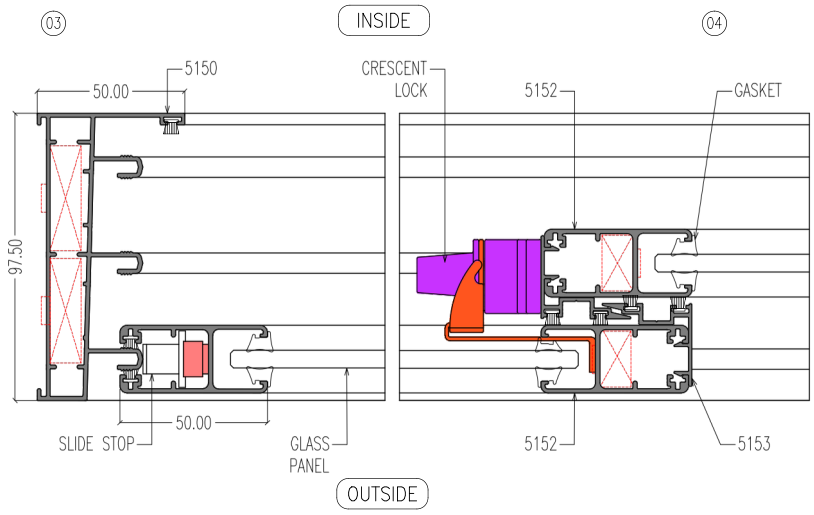


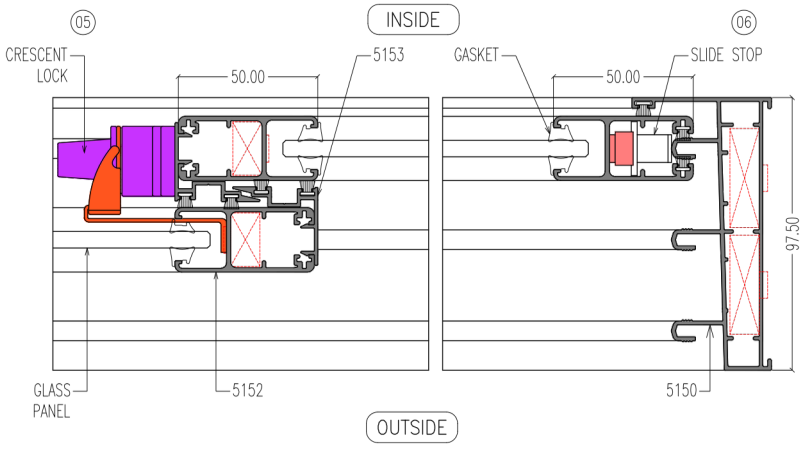
HORIZONTAL SECTIONS

Typical Assembly Details



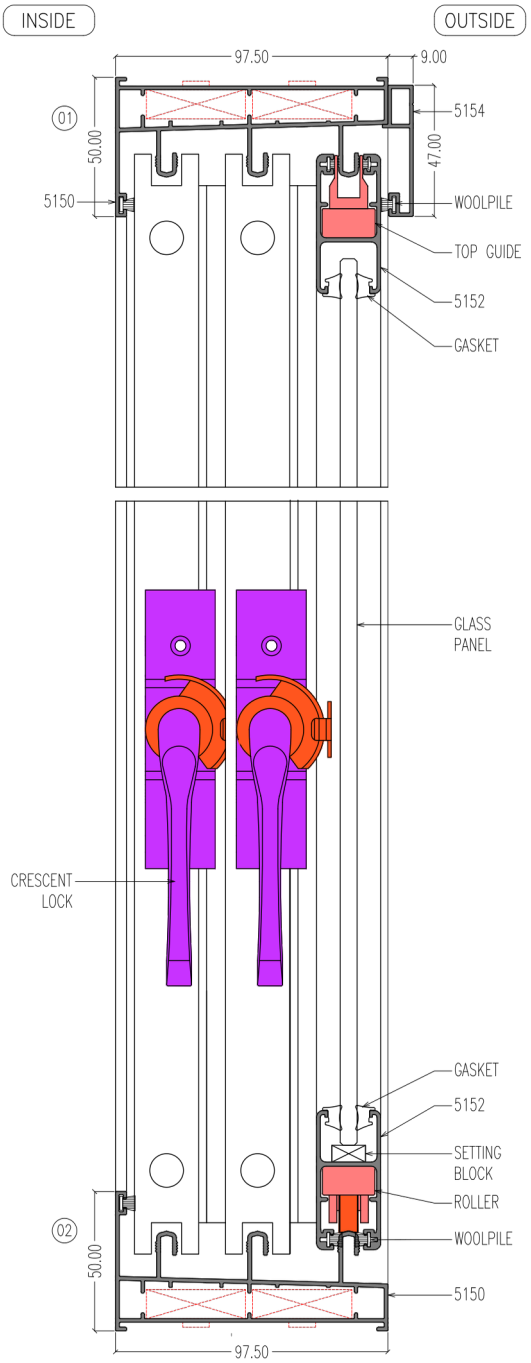
ELEVATION





HORIZONTAL SECTIONS

Typical Assembly Details

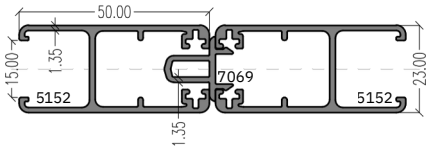


VERTICAL SECTIONS

Wind Load Chart

BUTTING STILE
Assembly of Sections 5152x2 & 7069

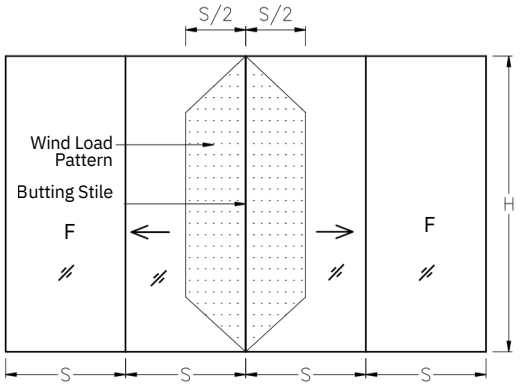
Alum. alloy		: 6063-T5
Overall moment of inertia	Ixx	: 4.3 cm^4
Overall moment of Resistance	MRxx	: 314 n-m

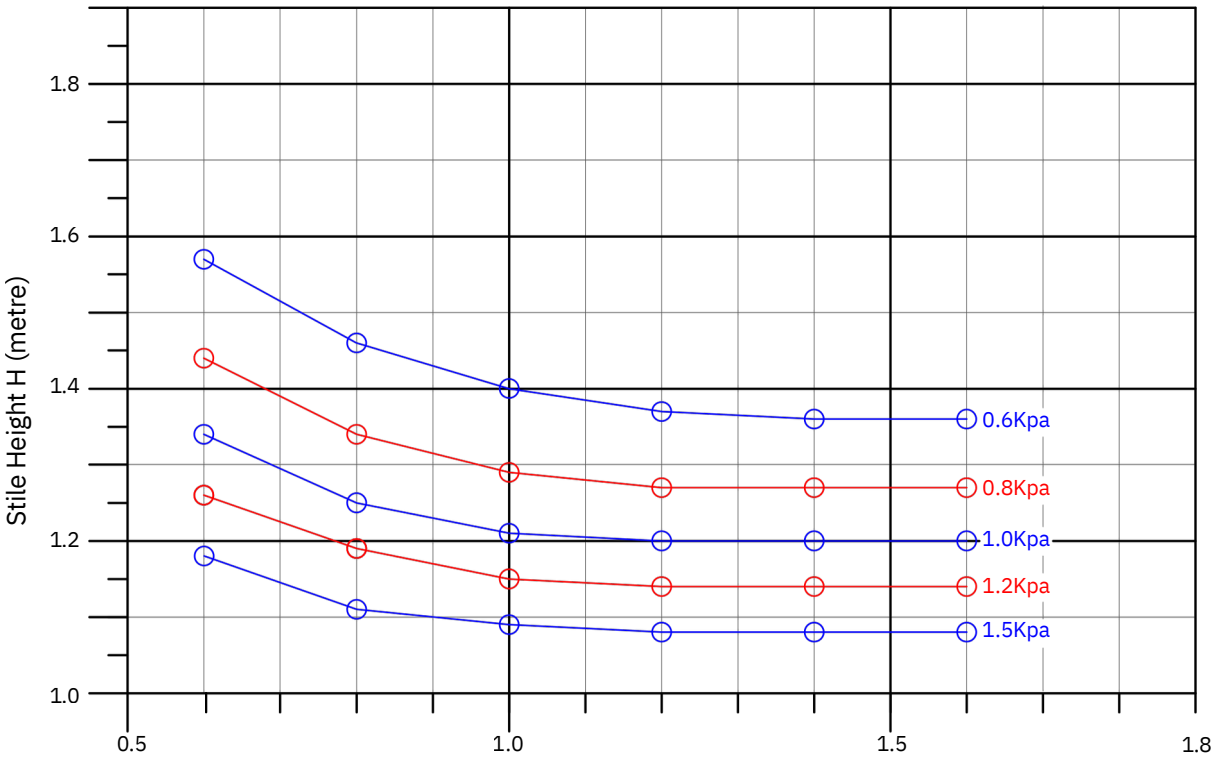


Not e:
Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity	: 70 x 10^9 N/m^2
Design bend. stress	: 1.25 x 67 Mpa
Deflection limit	: $^{Span}/_{175,}$ up to max. 20mm
Nature of anchor	: Simply supported at both ends

Typical configuration of sliding window:





Not e:

◯ Deflection limit governs

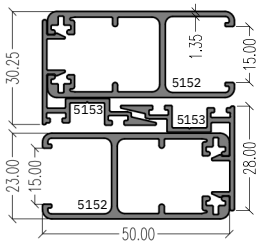
◇ Moment of resistance governs

:- Buckling has not been taken into account in this chart

:- This windload chart is solely for reference only

Wind Load Chart

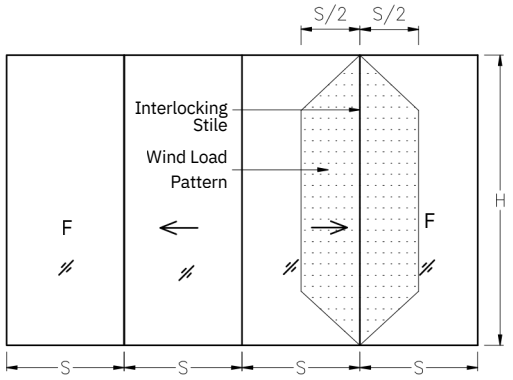
BUTTING STILE
Assembly of Sections 5152x2 & 5153x2
Alum. alloy : 6063-T5
Overall moment of inertia Ixx : 6.8 cm^4
Overall moment of Resistance MRxx : 366 n-m

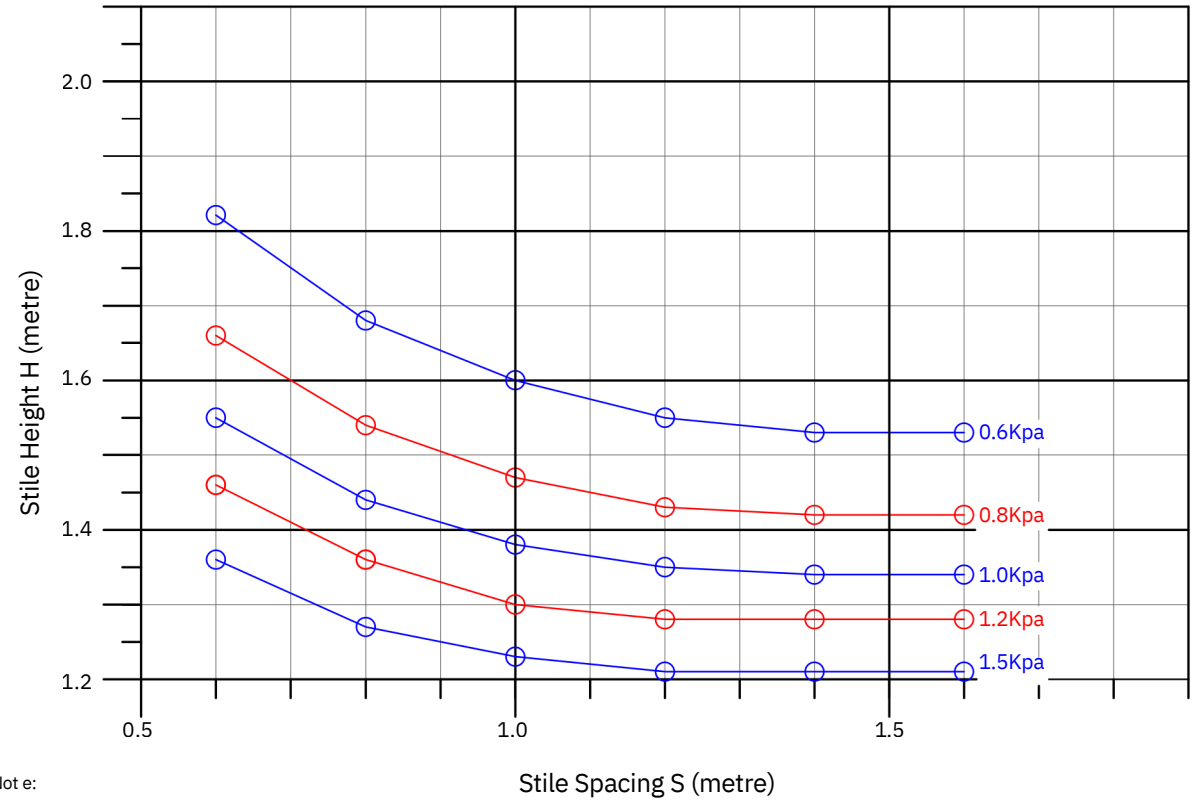


Not e:
Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity :70 x 10^9 N/m^2
Design bend. stress :1.25 x 67 Mpa
Deflection limit :$^{Span}/_{175,}$ up to max. 20mm
Nature of anchor :Simply supported at both ends

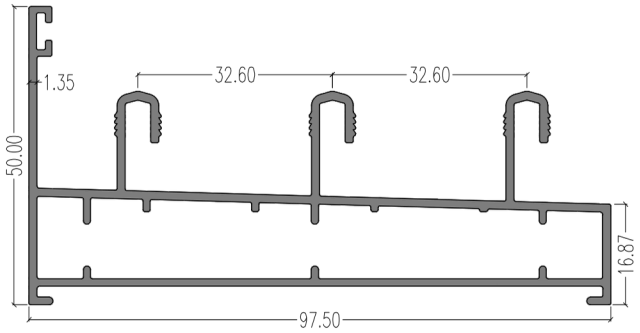
Typical configuration of sliding window:



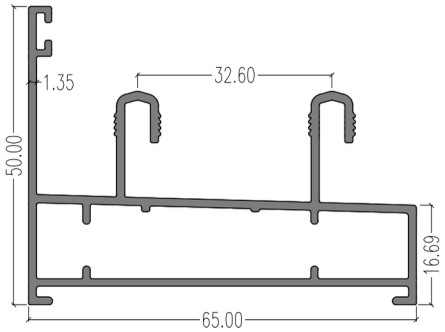


Not e:
◯ Deflection limit governs
◇ Moment of resistance governs
:- Buckling has not been taken into account in this chart
:- This windload chart is solely for reference only

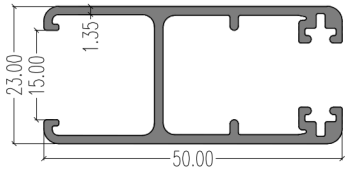
Sectional Details



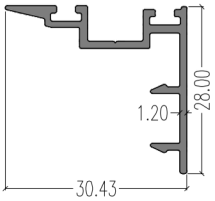
5150 (Outer)
LW : 1.343 kg/m
AP : 500.33 mm



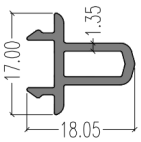
5151 (Outer)
LW : 0.978 kg/m
AP : 379.30 mm



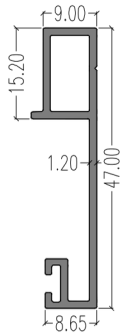
5152 (Inner)
LW : 0.612 kg/m
AP : 302.00 mm
Ixx : 2.110 cm⁴
Iyy : 4.977 cm⁴



5153 (Interlock)
LW : 0.270 kg/m
AP : 164.88 mm
Ixx : 0.631 cm⁴
Iyy : 0.827 cm⁴



7069 (Mid-joint)
LW : 0.204 kg/m
AP : 73.66 mm
Ixx : 0.107 cm⁴
Iyy : 0.177 cm⁴



5154 (Cover Outer)
LW : 0.315 kg/m
AP : 154.31 mm

ALBENestra®

PERFORMANCE SLIDING WINDOW
PSW01

Accessories

Crescent Lock

DC370
(with SS Hook)

Roller

W002PR

Woolpile

5 X 5
(300 meter / roll)

Corner Bracket

W007BR
(Inner Frame)

MP90
(Outer Frame)

Side Top

W003SG

Top Guide

W004TG

LB ALUMINIUM BERHAD
198501006093 (138535-V)

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