ALBEPorta®

Performance Sliding Door

PSD04

Designed and tested according to MS1017

LB ALUMINIUM BERHAD
198501006093 (138535-V)

ALBEPorta®

PERFORMANCE SLIDING DOOR
PSD04

Product

ALBEPorta PSD04

Typical Technical Features

Inner Frame Thickness	:	1.30mm - 1.60mm
Inner Frame Depth	:	32.00mm
Inner Frame Width	:	85.00mm
Outer Frame	:	2 & 3 Tracks
Outer Frame Depth	:	80.00mm - 125.00mm
Corner Joints	:	Mitre Joints With Brackets
Glazing Gap	:	14.00mm
Locking System	:	Multipoint

Other Features

Easy Fabrication

Least Profiles Members

European Accessories

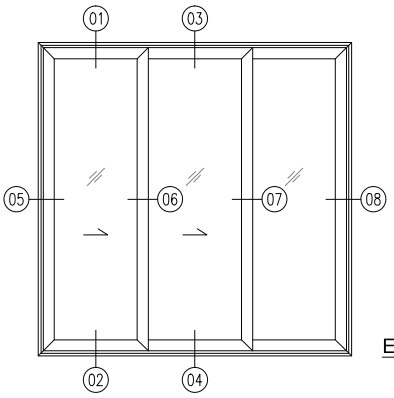
Performance Test

This sliding door suite had been tested in compliance to MS 1017:2022 performance test procedure for:-

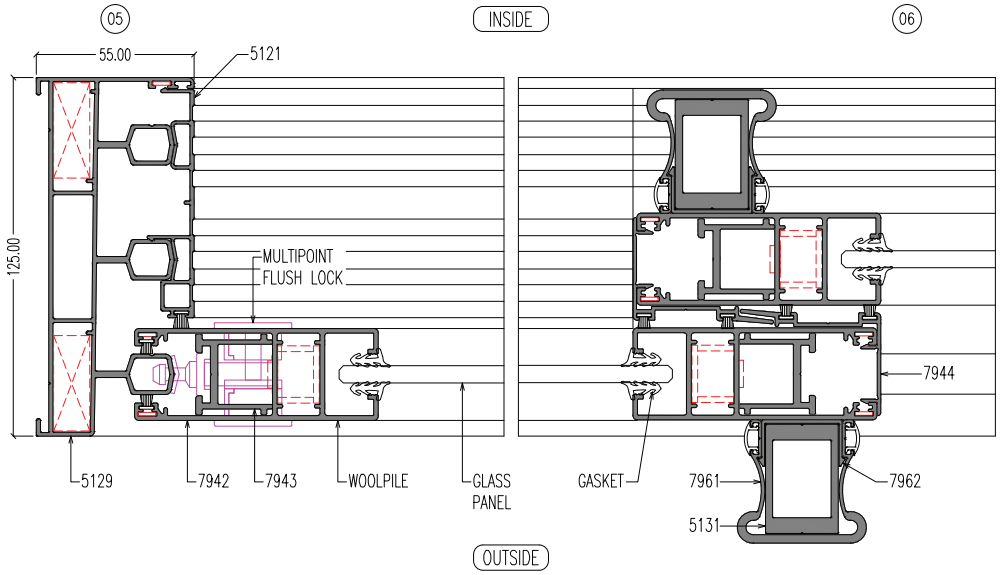
1. 1500Pa windload	:	Passed
2. 225Pa air leakage	:	Passed
3. 300Pa water infiltration	:	Passed

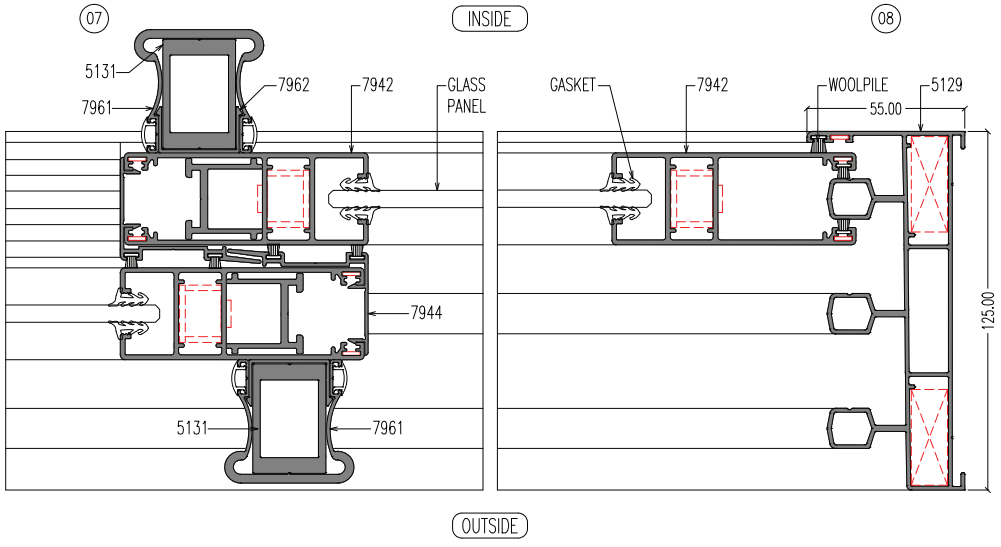
Note: Test report available upon request.

Typical Assembly Details



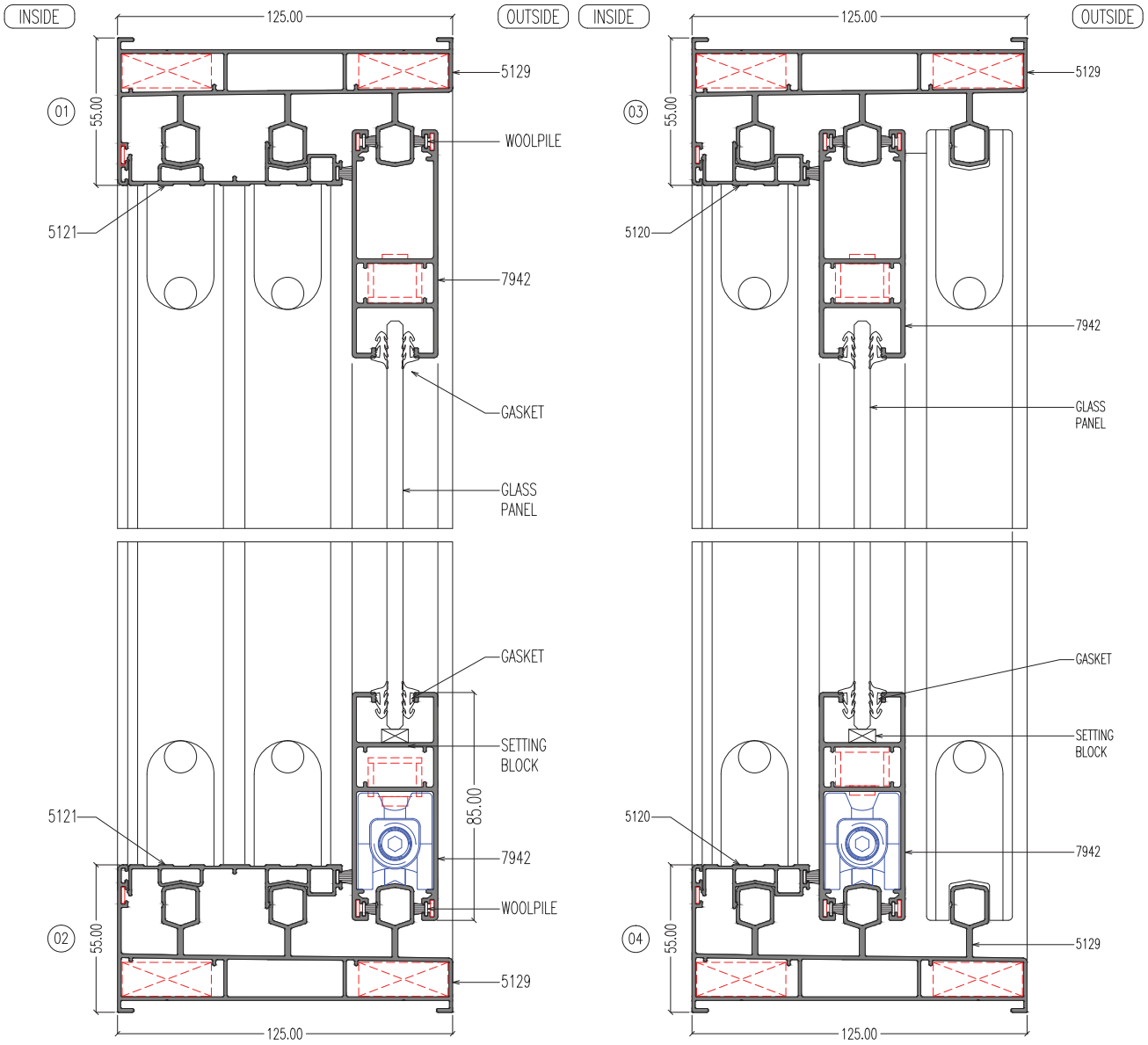
ELEVATION





HORIZONTAL SECTIONS

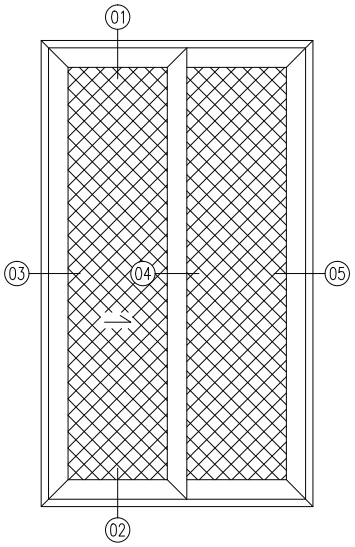
Typical Assembly Details



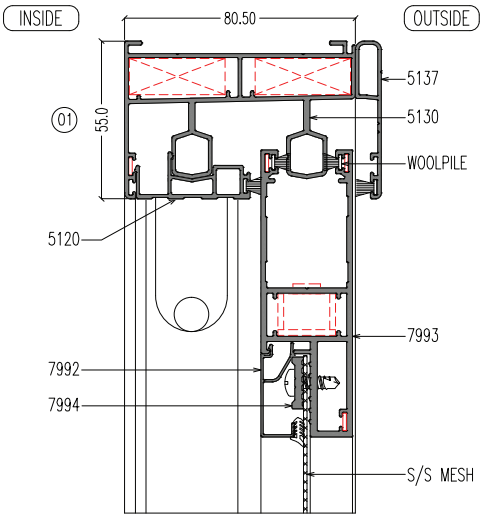
VERTICAL SECTIONS

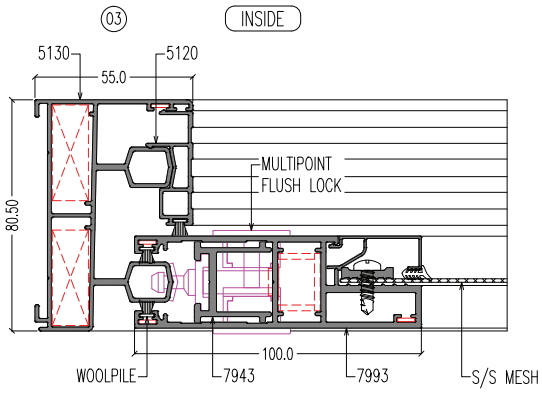
PERFORMANCE SLIDING DOOR
PSD04

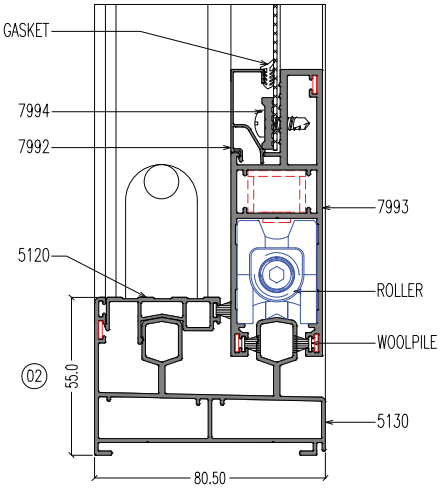
Typical Assembly Details



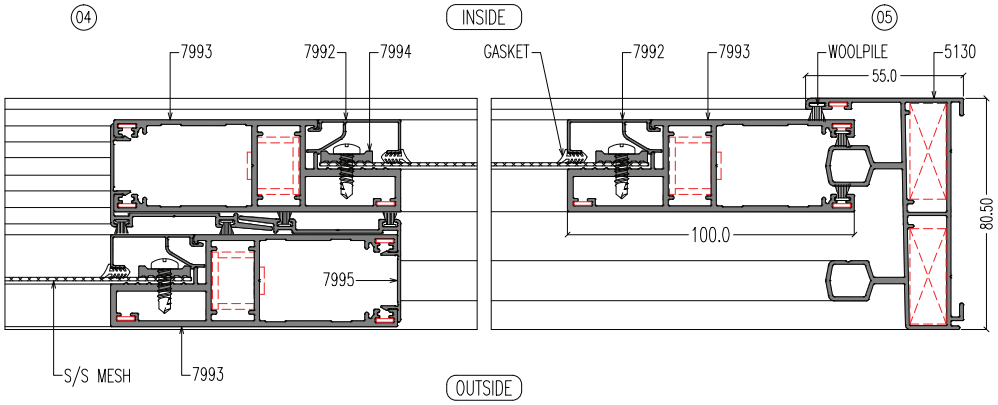
ELEVATION







VERTICAL SECTIONS

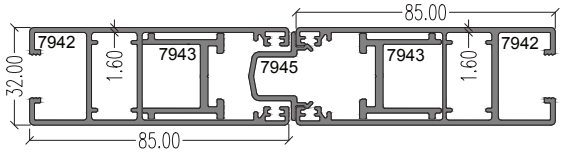


Wind Load Chart

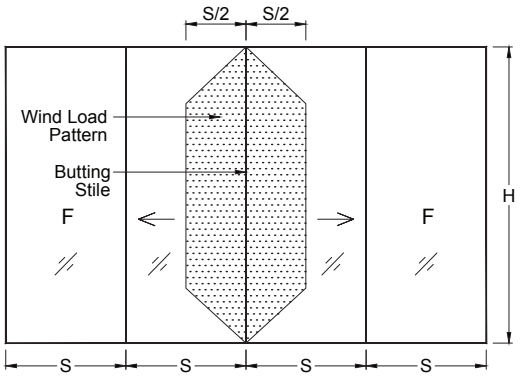
BUTTING STILE
Assembly of Sections 7942x2 ,7943x2 & 7945

Alum. alloy		: 6063-T5
Overall moment of inertia	Ixx	: 19.66 cm^4
Overall moment of Resistance	MRxx	: 1012 n-m

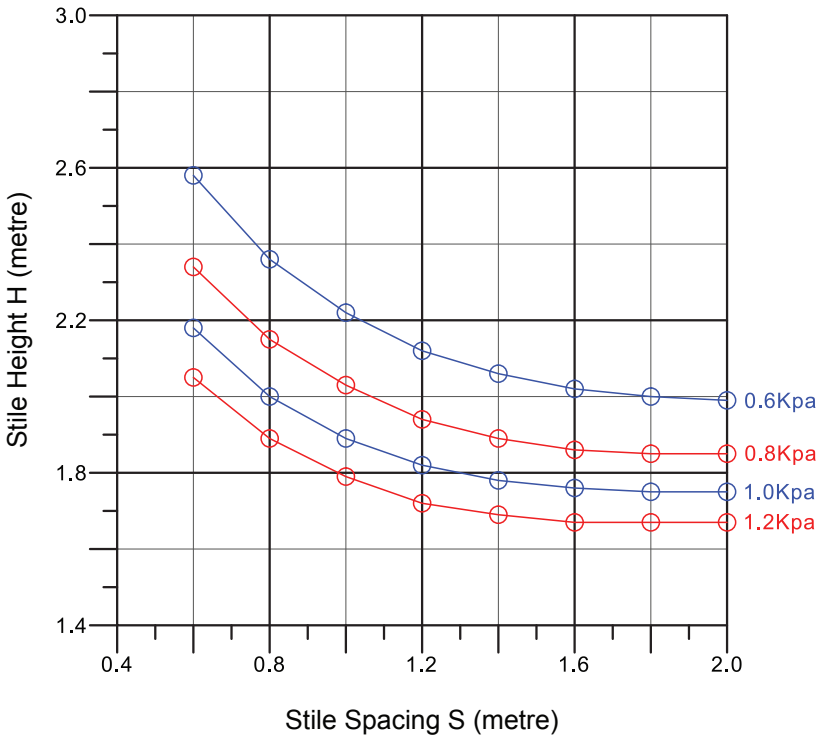
Mod. of elasticity	: 70 x 10^9 N/m^2
Design bend. stress	: 1.25 x 67^6 N/m^2
Deflection limit	: $^{Span}/_{175}$, up to max. 20mm
Nature of anchor	: Simply supported at both ends



Typical configuration of sliding door :



Note:
Suffix xx denotes axis perpendicular to wind load



Note:
◯ 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

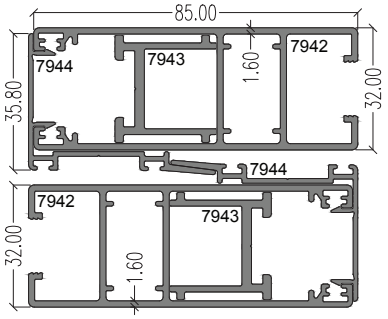
INTERLOCKING STILE

Assembly of Sections : 7942x2, 7943x2 & 7944x2

Alum. alloy : 6063-T5

Overall moment of inertia Ixx : 21.96 cm^4

Overall moment of Resistance MRxx : 986 n-m



Note:
Suffix xx denotes axis perpendicular to wind load

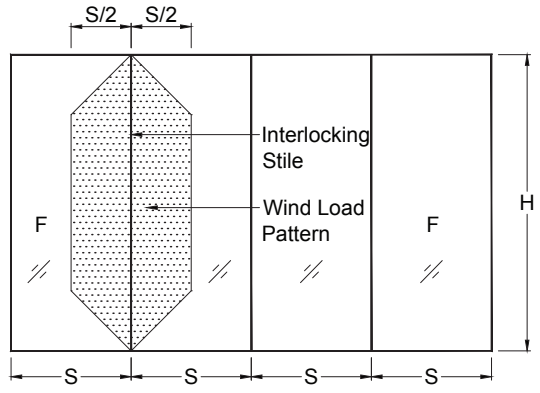
Mod. of elasticity : 70 x 10^9 N/m^2

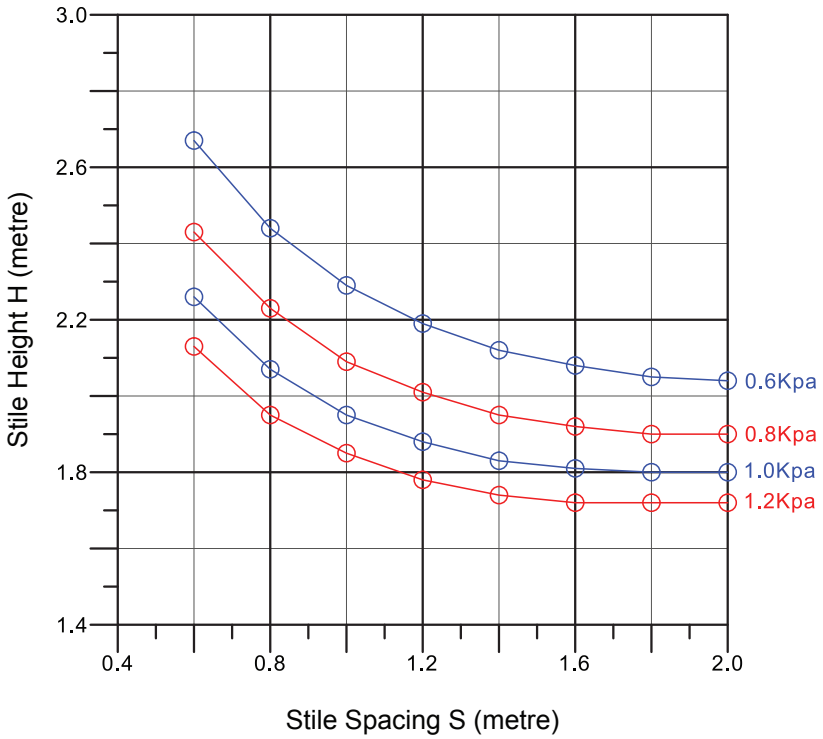
Design bend. stress : 1.25 x 67^6 N/m^2

Deflection limit : $^{Span}/_{175}$, up to max. 20mm

Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :





Note:

○ 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

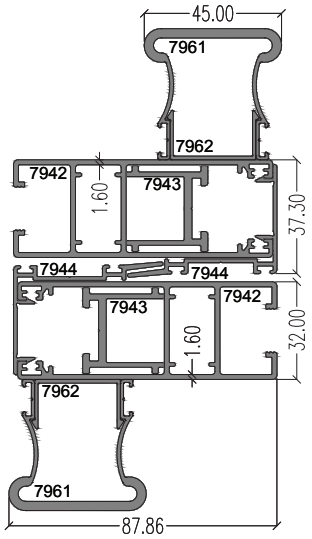
Wind Load Chart

INTERLOCKING STILE

Assembly of Sections : 7942x2, 7943x2, 7944x2, 7961x2 & 7962x2

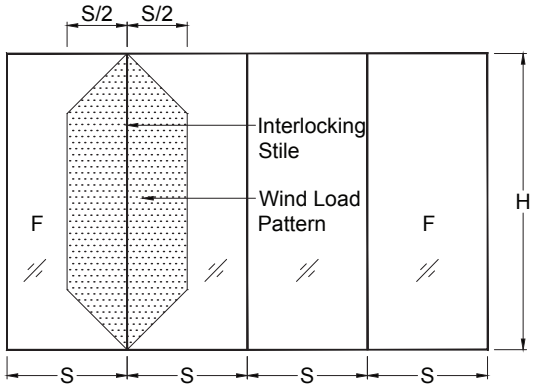
Alum. alloy		: 6063-T5
Overall moment of inertia	Ixx	: 78.6 cm^4
Overall moment of Resistance	MRxx	: 1070 n-m

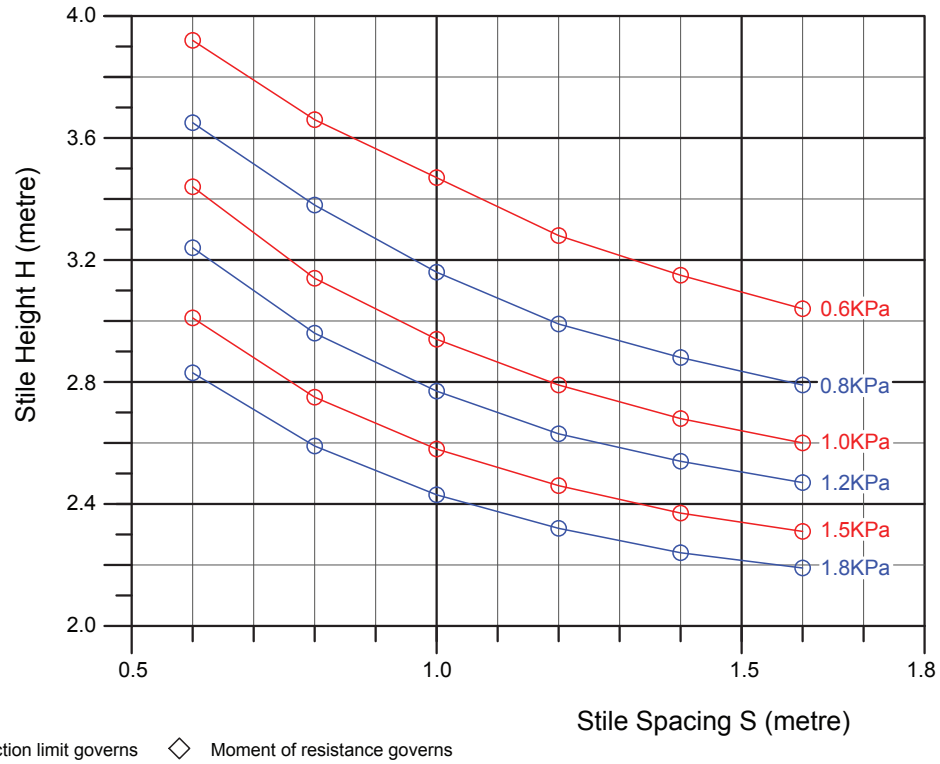
Mod. of elasticity	: 70 x 10^9 N/m^2
Design bend. stress	: 1.25 x 67^6 N/m^2
Deflection limit	: $^{Span}/_{175}$, up to max. 20mm
Nature of anchor	: Simply supported at both ends



Note:
Suffix xx denotes axis perpendicular to wind load

Typical configuration of sliding door :





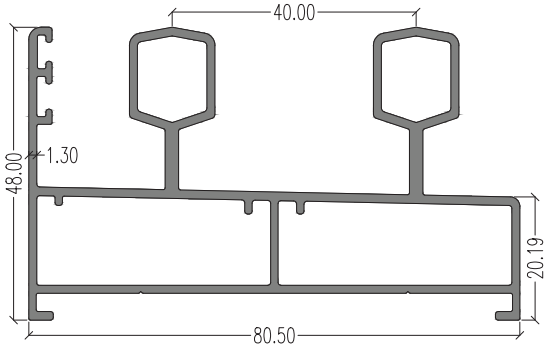
Note:

◯ Deflection limit governs ◇ Moment of resistance governs

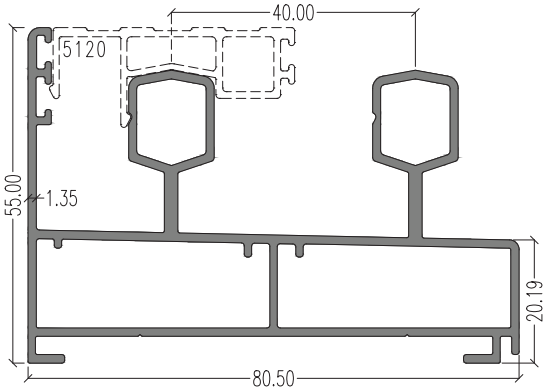
:- Buckling has not been taken into account in this chart

:- This windload chart is solely for reference only

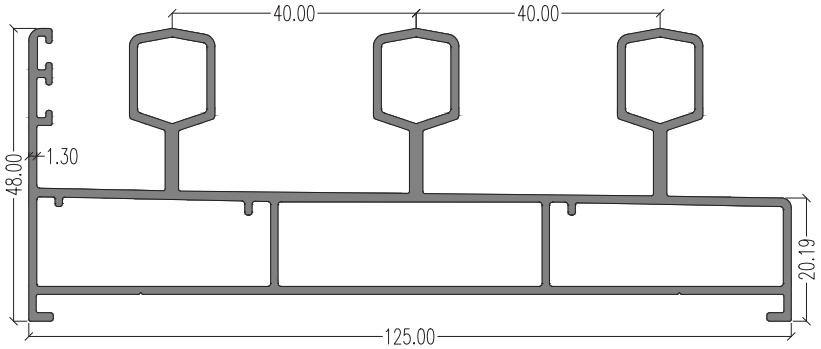
Sectional Details



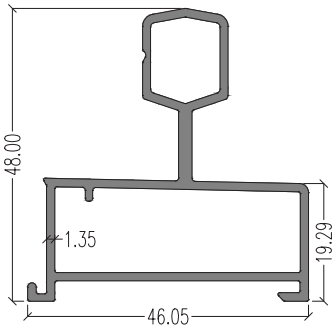
7940 (Outer)
LW : 1.421 kg/m
AP : 434.58 mm



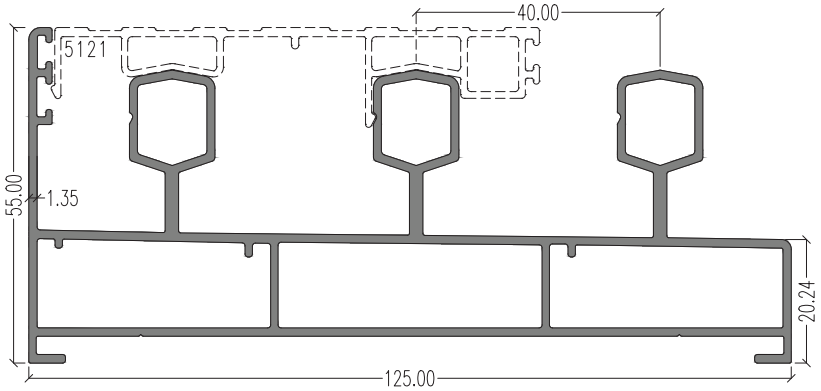
5130 (Outer)
LW : 1.478 kg/m
AP : 466.43 mm



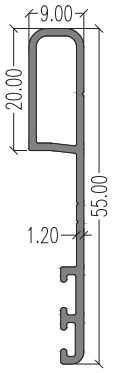
7941 (Outer)
LW : 2.032 kg/m
AP : 593.94 mm



5136 (Outer)
LW : 0.727 kg/m
AP : 219.59 mm

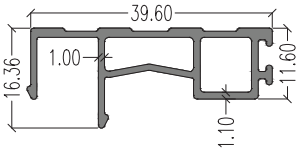


5129 (Outer)
LW : 2.086 kg/m
AP : 616.79 mm

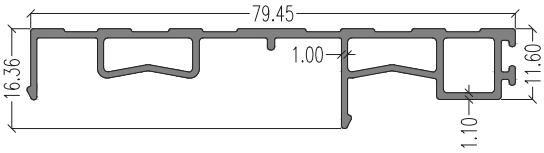


5137 (Cover Outer)
LW : 0.321 kg/m
AP : 146.14 mm

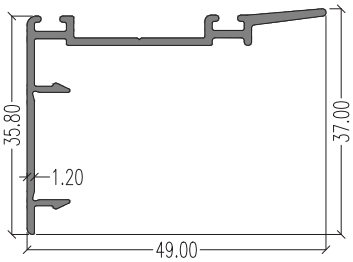
Sectional Details



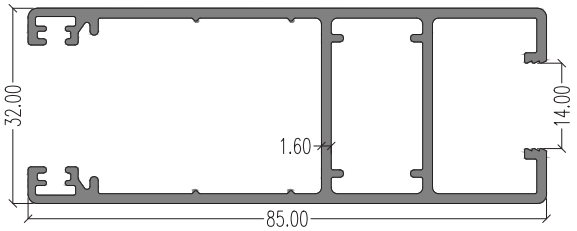
5120 (Capping)
LW : 0.353 kg/m
AP : 148.20 mm



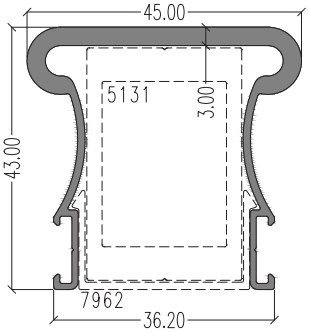
5121 (Capping)
LW : 0.574 kg/m
AP : 244.52 mm



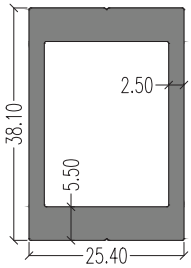
7944 (For 7942)
LW : 0.355 kg/m
AP : 216.67 mm
Ixx : 1.407 cm⁴
Iyy : 3.285 cm⁴



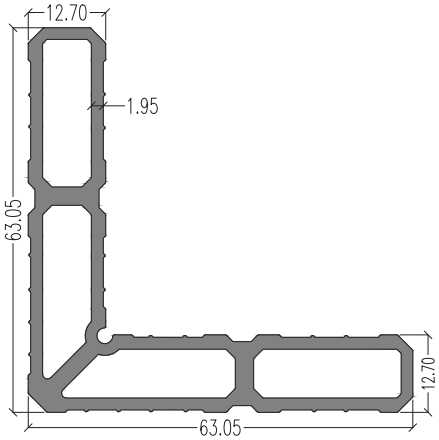
7942 (Inner)
LW : 1.198 kg/m
AP : 460.76 mm
Ixx : 7.931 cm⁴
Iyy : 28.77 cm⁴



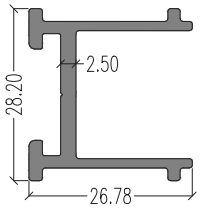
7961 (Reinforcement)
LW : 0.757 kg/m
AP : 292.13 mm



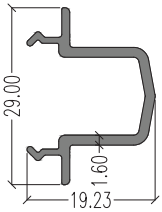
5131 (Reinforcement)
LW : 1.125 kg/m
AP : 126.93 mm



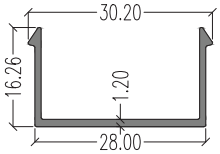
5845 (Corner Bracket)
LW : 1.543 kg/m
AP : 258.77 mm



7943 (For Lock / Stiffener)
LW : 0.450 kg/m
AP : 171.20 mm

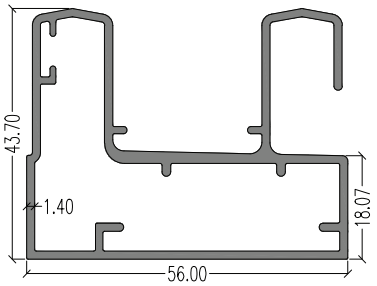


7945 (Mid Nose)
LW : 0.259 kg/m
AP : 131.30 mm
Ixx : 0.589 cm⁴
Iyy : 0.361 cm⁴

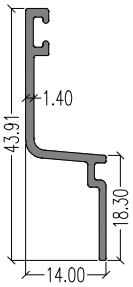


7962 (Reinforcement)
LW : 0.179 kg/m
AP : 119.12 mm

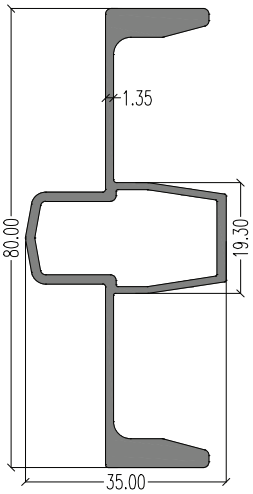
Sectional Details



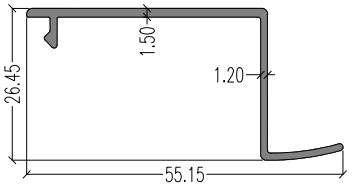
7957 (Outer)
LW : 1.044 kg/m
AP : 295.39 mm



7947 (Attachment Outer)
LW : 0.230 kg/m
AP : 127.24 mm

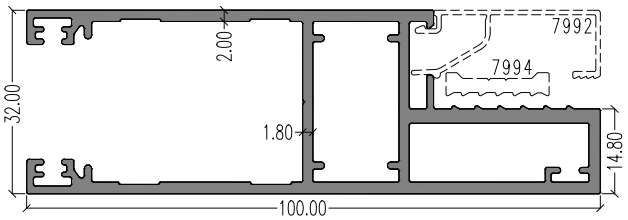


7999 (Mid-Joint)
LW : 1.012 kg/m
AP : 279.56 mm
Ixx : 27.91 cm⁴
Iyy : 2.720 cm⁴

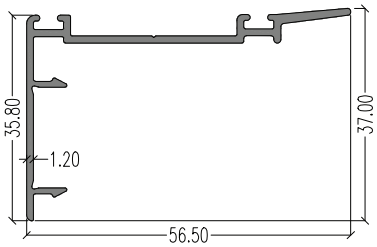


7958 (Capping 7957)
LW : 0.314 kg/m
AP : 171.94 mm

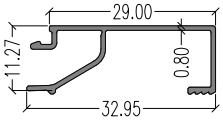
FOR STAINLESS STEEL MESH



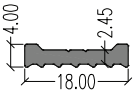
7993 (Inner)
LW : 1.606 kg/m
AP : 443.04 mm
Ixx : 8.718 cm⁴
Iyy : 48.59 cm⁴



7995 (Interlock)
LW : 0.380 kg/m
AP : 231.83 mm
Ixx : 1.429 cm⁴
Iyy : 4.874 cm⁴



7992 (Beading)
LW : 0.158 kg/m
AP : 141.87 mm



7994 (Attachment)
LW : 0.141 kg/m
AP : 47.33 mm

ALBEPorta®

PERFORMANCE SLIDING DOOR
PSD04

Accessories

Door Locksets

CK83
Single

CK84
Double

DSD 902 (With Key)
DSD 903 (Without Key)
DSD 904 (Dummy)

SLD109K with Key
(with Lockbar & Keeper)

Rollers

Fapim 005DRA
Rating: 140kg/panel

Corner Brackets

SLD/BKT02
(Inner Frame)

5845 Alum. Brkt.
(Outer Track)
(6.1m / length)

Fixed Panel Support

SLD/SB01B
Support Block

SLD/SB02S
Support Block

Stopper

Skider

SLD/SK03

Interlock Cover

SLD/IC01

Weep Hole Cover

Corner Joint Angle

SLD/CJC02
(6mm)

Woolpile

5 x 5
5 x 7
(300m/roll)

LB ALUMINIUM BERHAD
198501006093 (138535-V)

Now available at:
Google play | App Store

HEAD OFFICE & FACTORY
Lot 11, Jalan Perusahaan 1, Kawasan Perusahaan Beranang,
43700 Beranang, Selangor Darul Ehsan, Malaysia.
T : +603-8725 8822 (Gen)
F : +603-8725 8828 (Gen)
+603-8725 8866 (Export)
E : enquiry@lbalum.com.my
W : www.lbalum.com

SIRIM QUALITY SYSTEM · UKAS QUALITY MANAGEMENT 074
MS ISO 9001:2015 Cert. No: QMS 00216