



ALBEPorta®



Performance Sliding Door **PSD04**

Designed and tested according to MS1017:2022



LB
ALUMINIUM
BERHAD
198501006093 (138535-V)

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

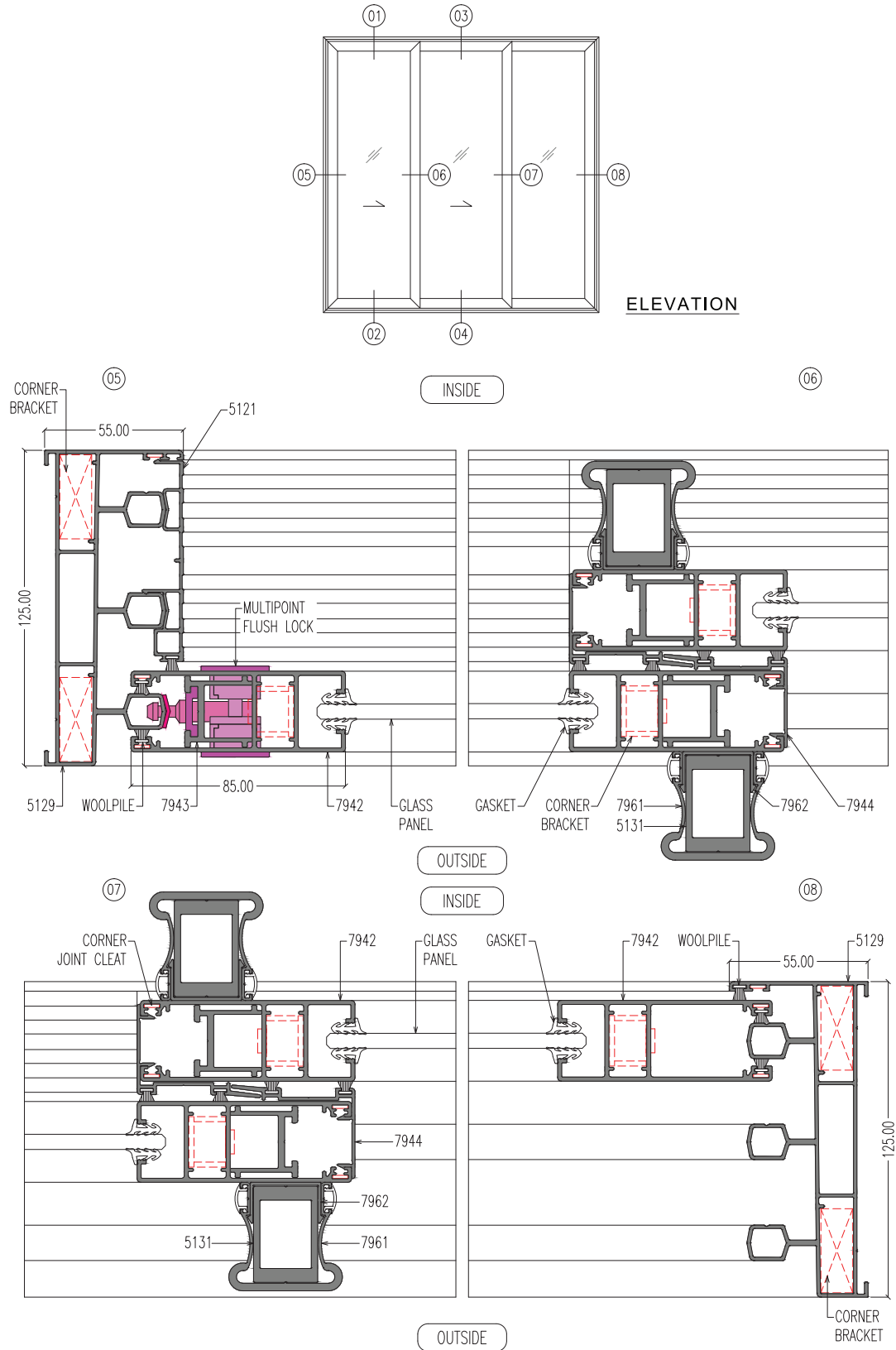
This sliding door suite had been tested in compliance to MS 1017:2022 performance test procedure for:-

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

Note: Test report available upon request.

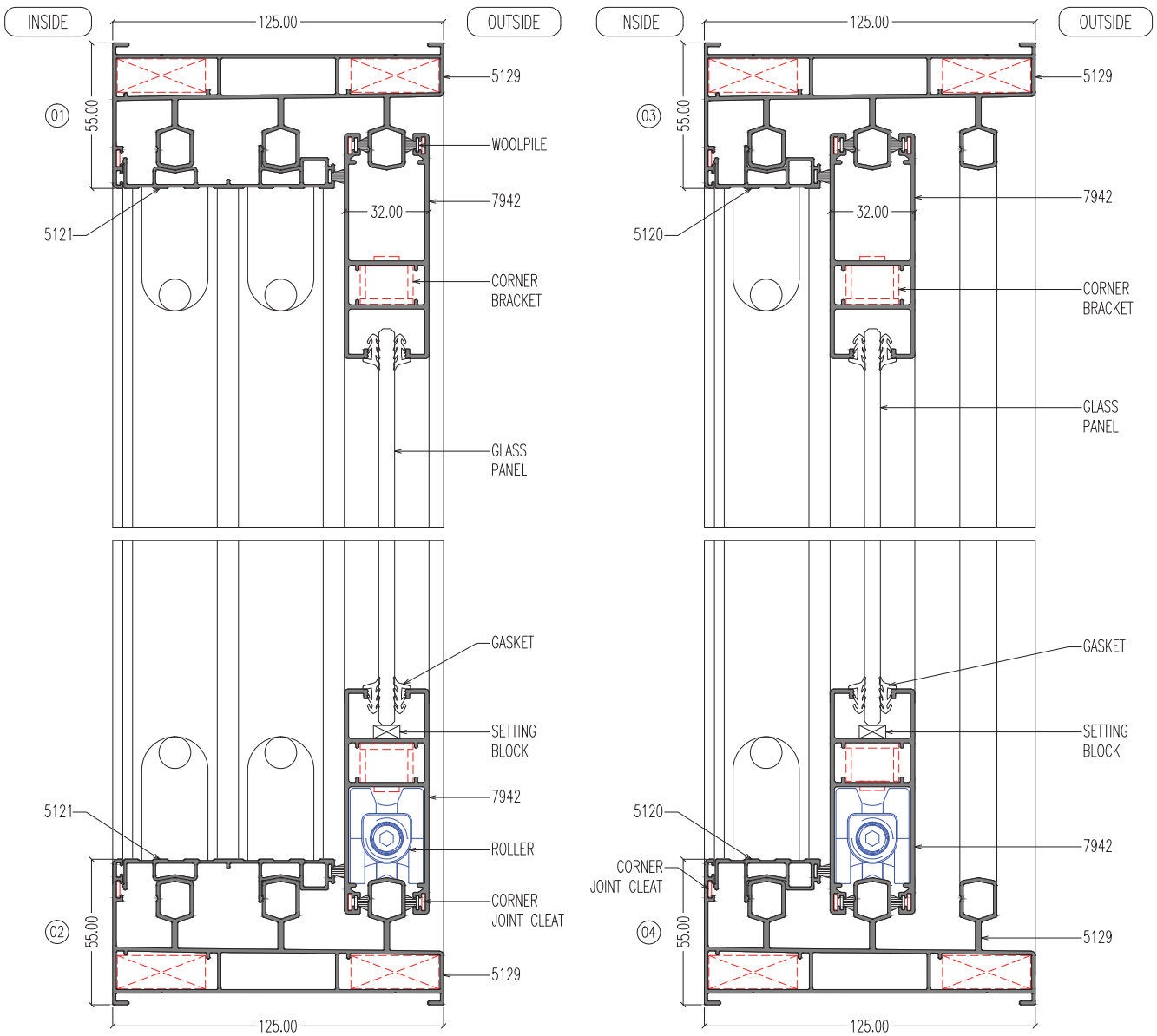


Typical Assembly Details



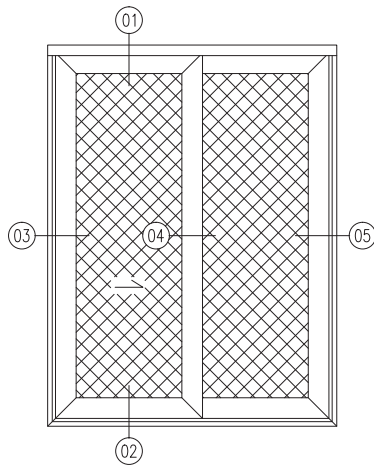
HORIZONTAL SECTIONS

Typical Assembly Details

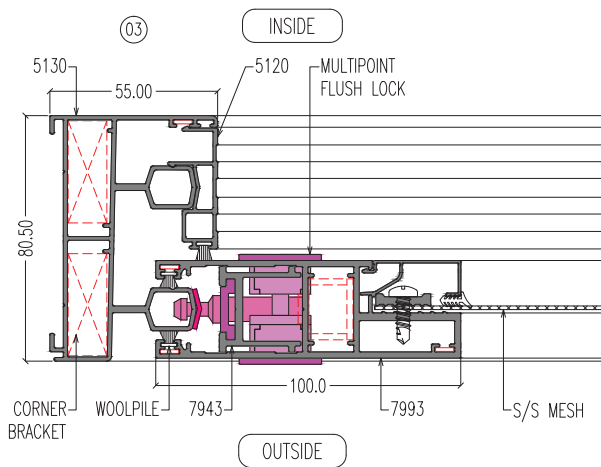


VERTICAL SECTIONS

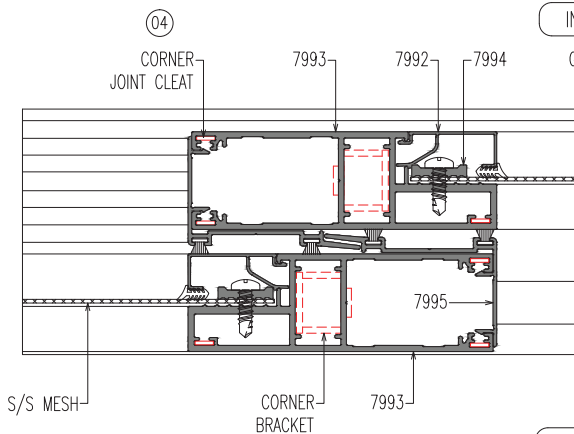
Typical Assembly Details



ELEVATION



OUTSIDE



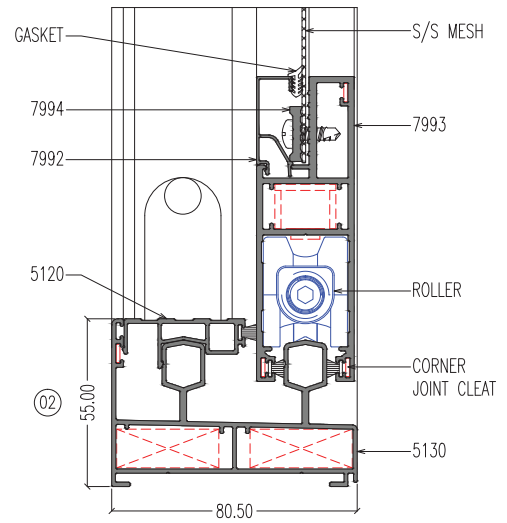
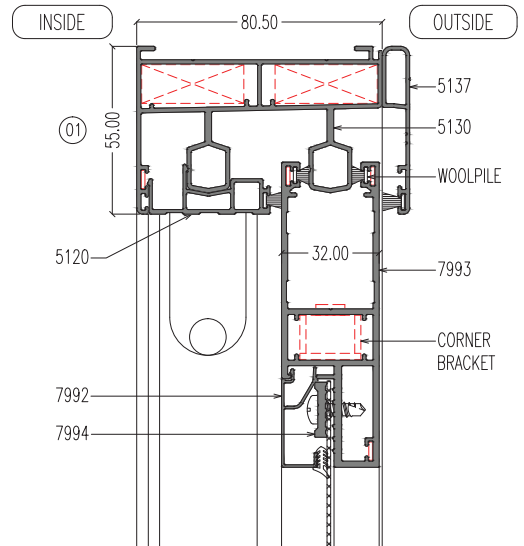
S/S MESH

CORNER
BRACKET

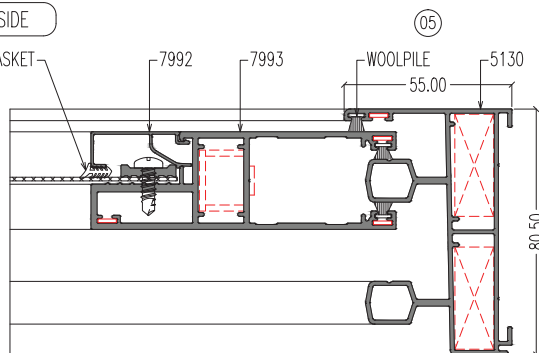
7993

OUTSIDE

HORIZONTAL SECTIONS



VERTICAL SECTIONS



OUTSIDE

Wind Load Chart

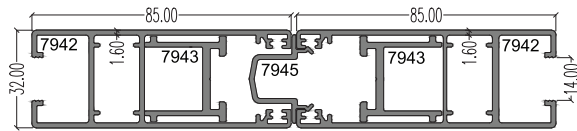
BUTTING STILE

Assembly of Sections 7942x2 ,7943x2 & 7945

Alum. alloy : 6063-T5

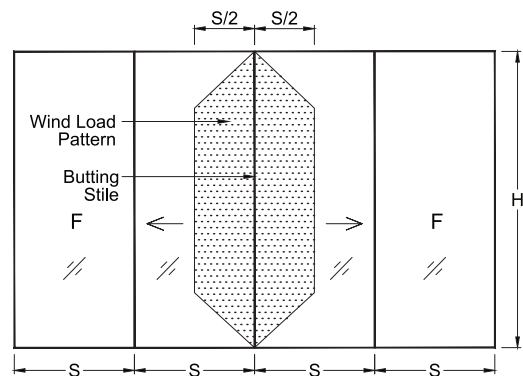
Overall moment of inertia I_{xx} : 19.66 cm⁴

Overall moment of Resistance MR_{xx} : 1012 Nm

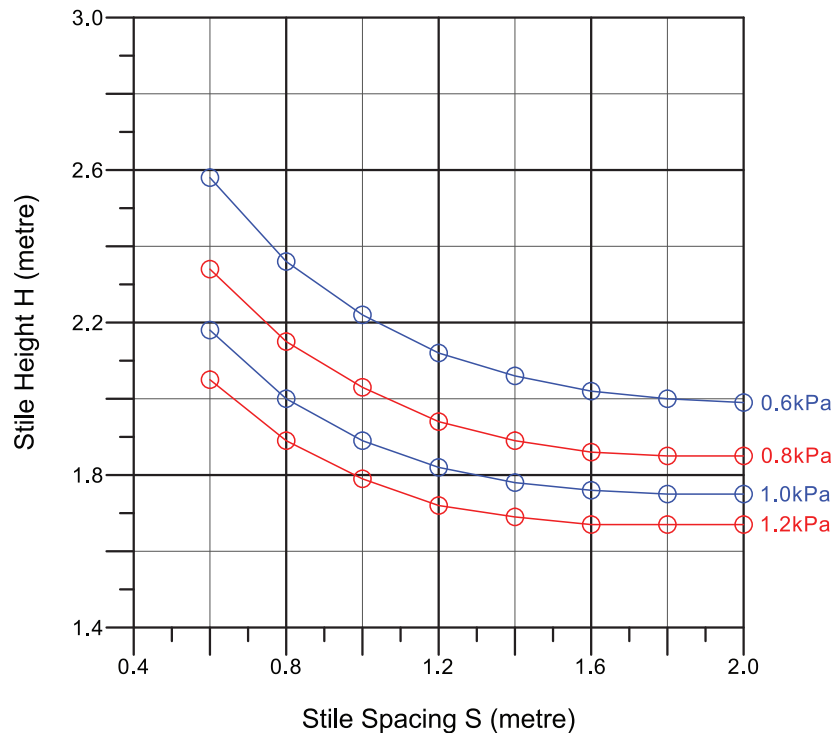


Mod. of elasticity : 70×10^9 N/m²
 Design bend. stress : 1.25 x 67 MPa
 Deflection limit : $\frac{\text{Span}}{175}$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

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, & 7999

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 37.4 cm⁴

Overall moment of Resistance MR_{xx} : 766 Nm

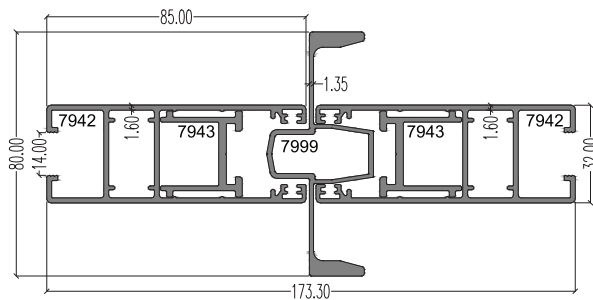
Mod. of elasticity : 70×10^9 N/m²

Design bend. stress : 1.25 x 67 Mpa

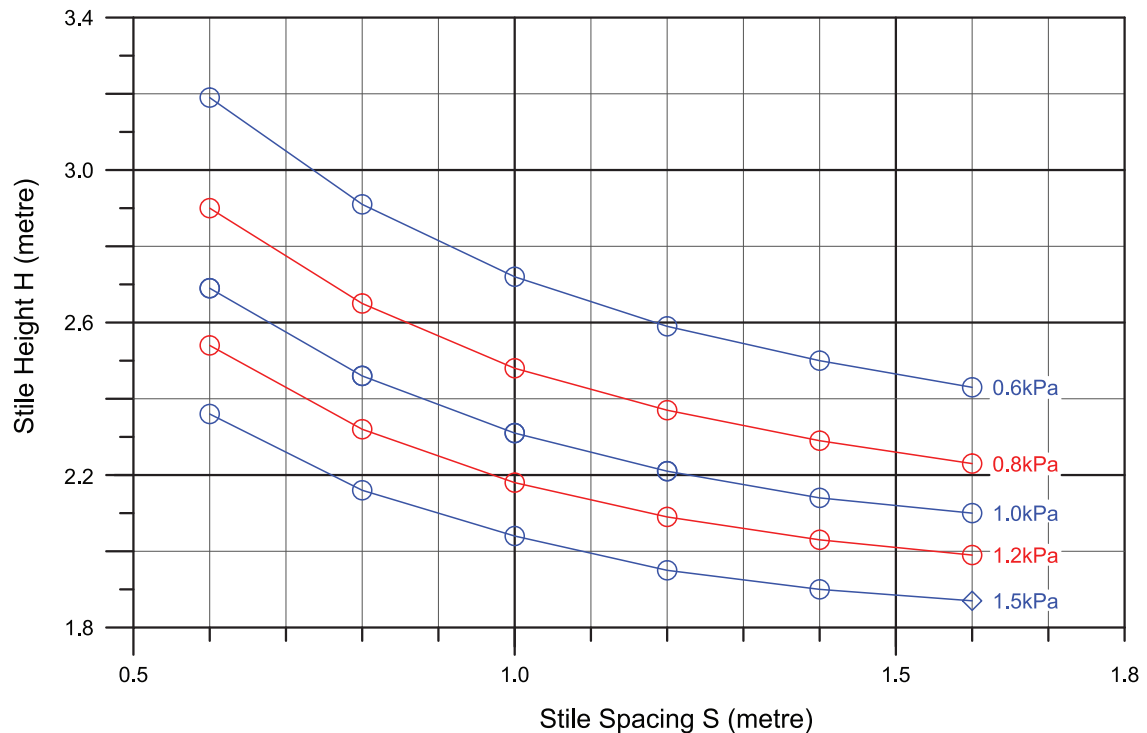
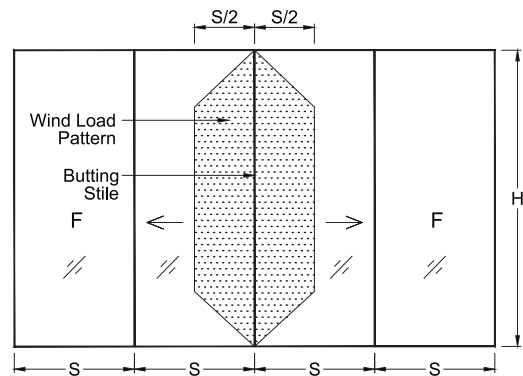
Deflection limit : $\frac{\text{Span}}{175}$, up to max. 20mm

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

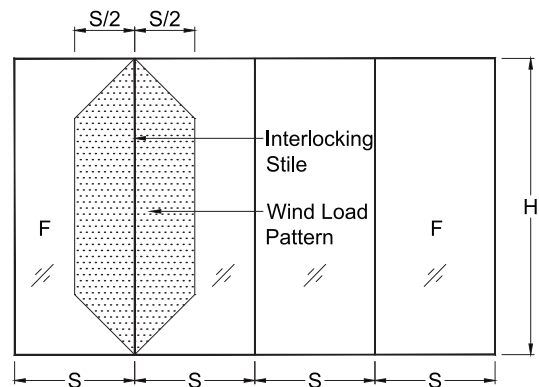
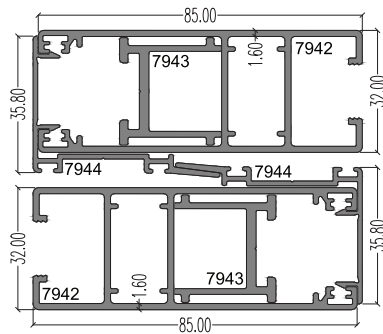
Wind Load Chart

INTERLOCKING STILE

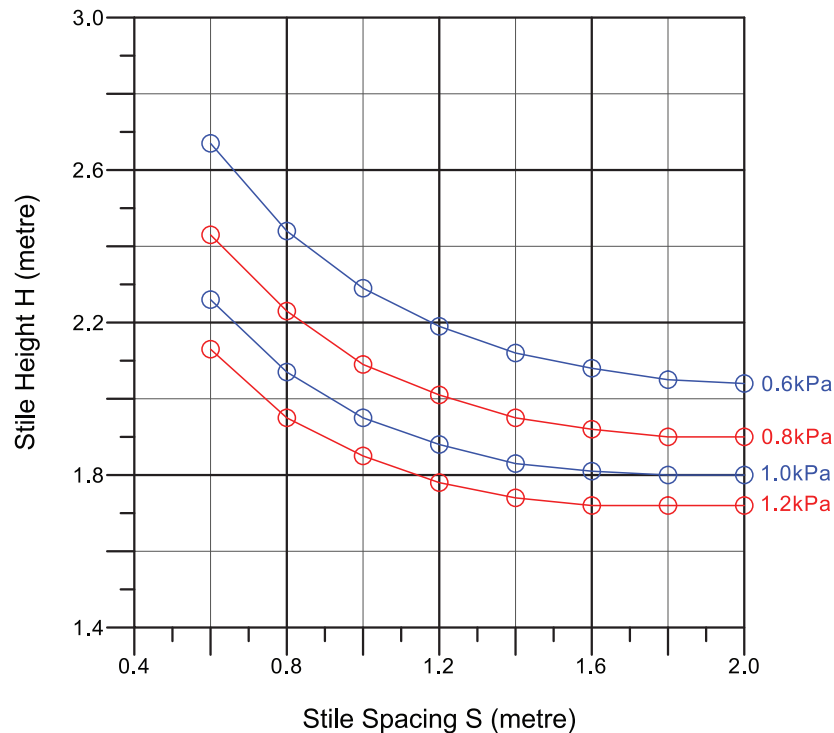
Assembly of Sections : 7942x2, 7943x2 & 7944x2
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 21.96 cm⁴
 Overall moment of Resistance MR_{xx} : 986 Nm

Mod. of elasticity : 70×10^9 N/m²
 Design bend. stress : 1.25 x 67 MPa
 Deflection limit : $\frac{\text{Span}}{175}$, 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

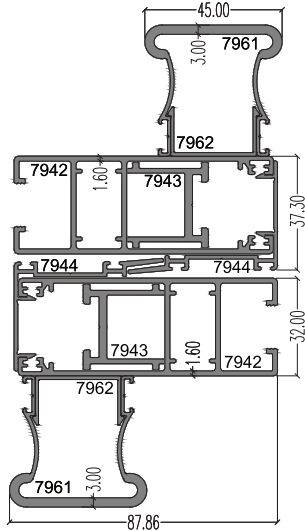
INTERLOCKING STILE

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

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 78.6 cm⁴

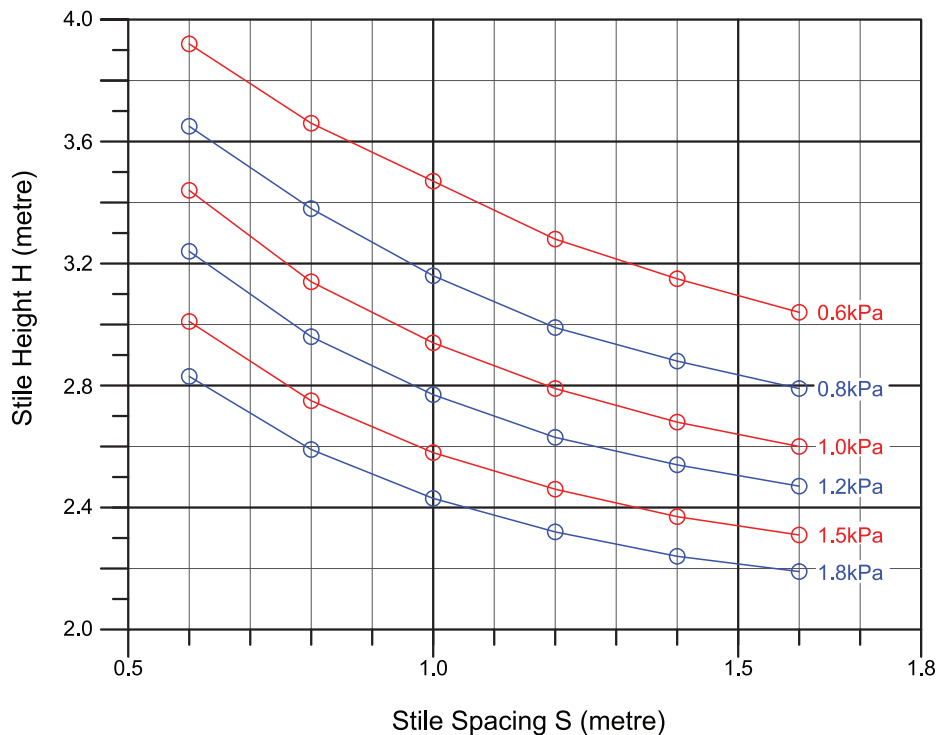
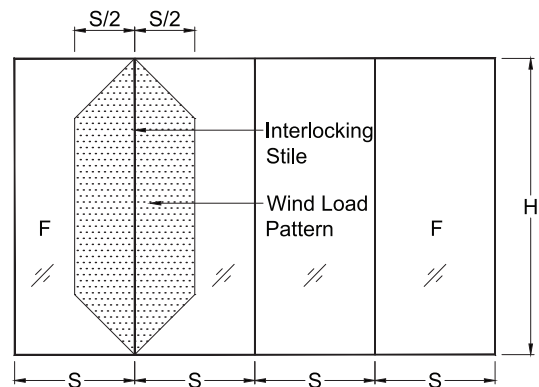
Overall moment of Resistance MR_{xx} : 1070 Nm



Note:
Suffix xx denotes axis perpendicular to wind load

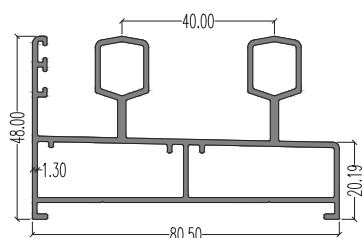
Mod. of elasticity : 70×10^9 N/m²
Design bend. stress : 1.25 x 67 MPa
Deflection limit : $\frac{\text{Span}}{175}$, up to max. 20mm
Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :

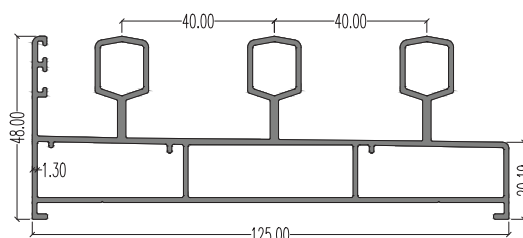


Note:
○ Deflection limit governs ◇ Moment of resistance governs
:- Buckling has not been taken into account in this chart
:- This windload chart is solely for reference only

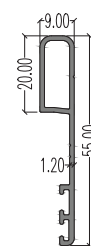
Sectional Details



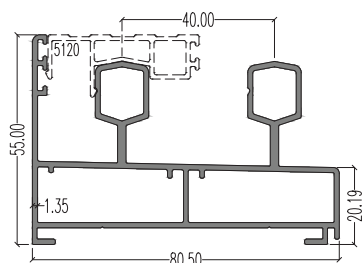
7940 (Outer)
LW : 1.421 kg/m
AP : 434.58 mm



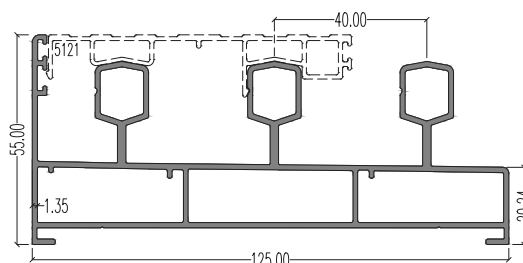
7941 (Outer)
LW : 2.032 kg/m
AP : 593.94 mm



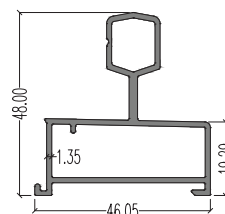
5137 (Cover Outer)
LW : 0.321 kg/m
AP : 146.14 mm



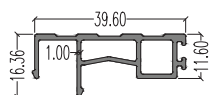
5130 (Outer)
LW : 1.478 kg/m
AP : 466.43 mm



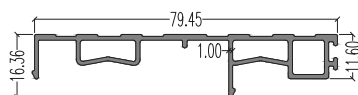
5129 (Outer)
LW : 2.086 kg/m
AP : 616.79 mm



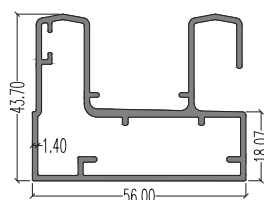
5136 (Outer)
LW : 0.727 kg/m
AP : 219.59 mm



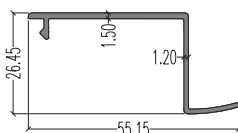
5120 (Capping)
LW : 0.353 kg/m
AP : 148.20 mm
(For 5130)



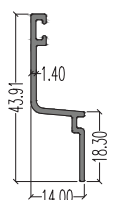
5121 (Capping)
LW : 0.574 kg/m
AP : 244.52 mm
(For 5129)



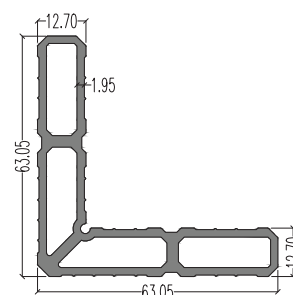
7957 (Outer)
LW : 1.044 kg/m
AP : 295.39 mm



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

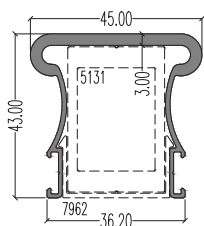


7947 (Attachment Outer)
LW : 0.230 kg/m
AP : 127.24 mm
(For 7957)

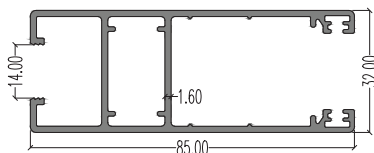


5845 (Corner Bracket)
LW : 1.543 kg/m
AP : 258.77 mm

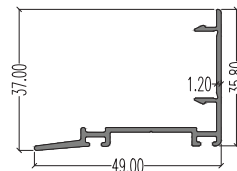
Sectional Details



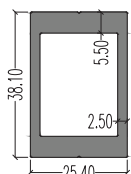
7961 (Reinforcement)
LW : 0.757 kg/m
AP : 292.13 mm
Ixx : 4.594 cm⁴
Iyy : 6.218 cm⁴



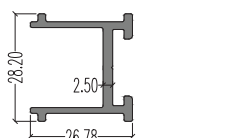
7942 (Inner)
LW : 1.198 kg/m
AP : 460.76 mm
Ixx : 7.931 cm⁴
Iyy : 28.77 cm⁴



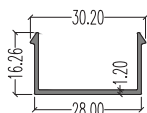
7944 (Interlock)
LW : 0.355 kg/m
AP : 216.67 mm
Ixx : 1.407 cm⁴
Iyy : 3.285 cm⁴
(For 7942)



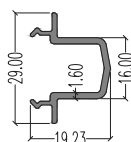
5131 (Reinforcement)
LW : 1.125 kg/m
AP : 126.93 mm
Ixx : 8.315 cm⁴
Iyy : 3.285 cm⁴
(For 7961)



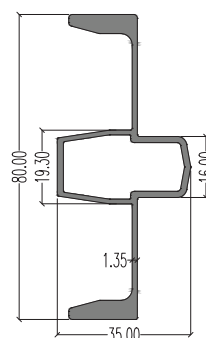
(For Lock / Stiffener)
7943
LW : 0.450 kg/m
AP : 171.20 mm
Ixx : 1.644 cm⁴
Iyy : 0.980 cm⁴



7962 (Reinforcement)
LW : 0.179 kg/m
AP : 119.12 mm
Ixx : 0.181 cm⁴
Iyy : 0.818 cm⁴
(For 7961)

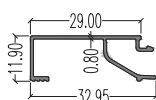


7945 (Mid-Joint)
LW : 0.259 kg/m
AP : 131.30 mm
Ixx : 0.589 cm⁴
Iyy : 0.361 cm⁴

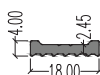


7999 (Mid-Joint)
LW : 1.012 kg/m
AP : 279.56 mm
Ixx : 27.91 cm⁴
Iyy : 2.720 cm⁴

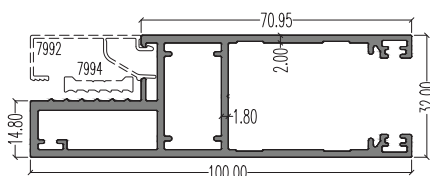
For Stainless Steel Mesh



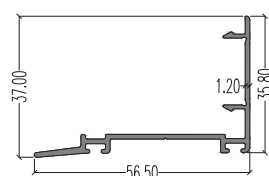
7992 (Beading)
LW : 0.158 kg/m
AP : 141.87 mm



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



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
(For 7993)

Accessories

Door Locksets



CK83
Single



CK84
Double

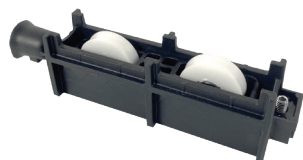


DSD 902 (With Key)
DSD 903 (Without Key)
DSD 904 (Dummy)



SLD109K with Key
(with Lockbar & Keeper)

Roller



Fapim 005DRA
(Rating: 140kg/panel)

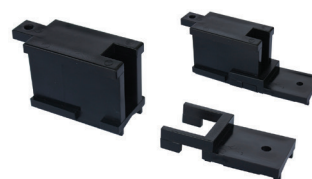
Corner Brackets



SLD/BKT02
(Inner Frame)
(20.0mm)

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

Fixed Panel Supports



SLD/SB01B
Support Block

SLD/SB02S
Support Block

Stopper



SP-121

Skider



SLD/SK03

Interlock Cover



SLD/IC01

Weep Hole Cover



Corner Joint Cleat



SLD/CJC01
(6mm)

Woolpile



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



**LB
ALUMINIUM
BERHAD**
198501006093 (138535-V)

Now available at:



HEAD OFFICE & FACTORY

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CERT NO: QMS 00216



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CERT NO: EMS 01118