



ALBEPorta®



Performance Sliding Door **PSD01**

Designed and tested according to MS1017:2022



LB
ALUMINIUM
BERHAD
198501006093 (138535-V)

Product

ALBEPorta PSD01

Typical Technical Features

Inner Frame Thickness	: 1.80mm - 2.00mm
Inner Frame Depth	: 40.00mm
Inner Frame Width	: 85.00mm & 120.00mm
Outer Frame	: 2 & 3 Tracks
Outer Frame Depth	: 98.00mm & 150.00mm
Corner Joints	: Mitre Joints With Brackets
Glazing Gap	: 15.00mm - 30.00mm
Locking System	: Multipoint



Other Features

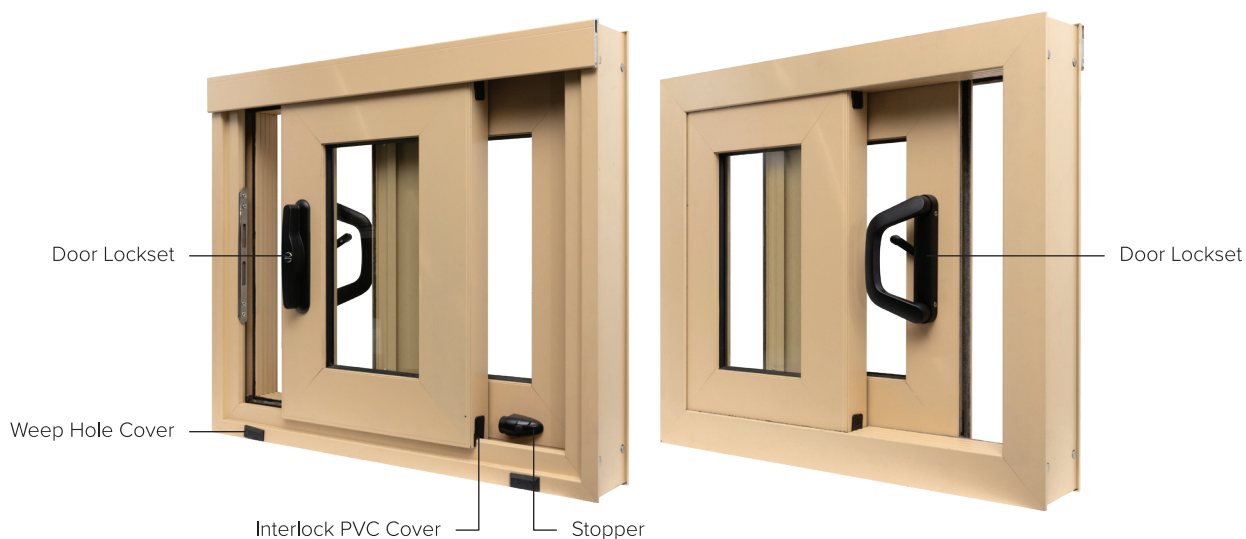
Easy Fabrication
Least Profiles Members
European Accessories

Performance Test

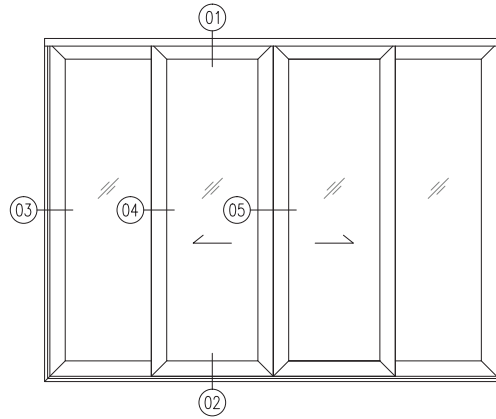
This sliding door suite had been tested in compliance to MS 1017:2022 performance test procedure for:

1. 1800Pa windload : Passed
2. 270Pa air leakage : Passed
3. 360Pa water infiltration : Passed

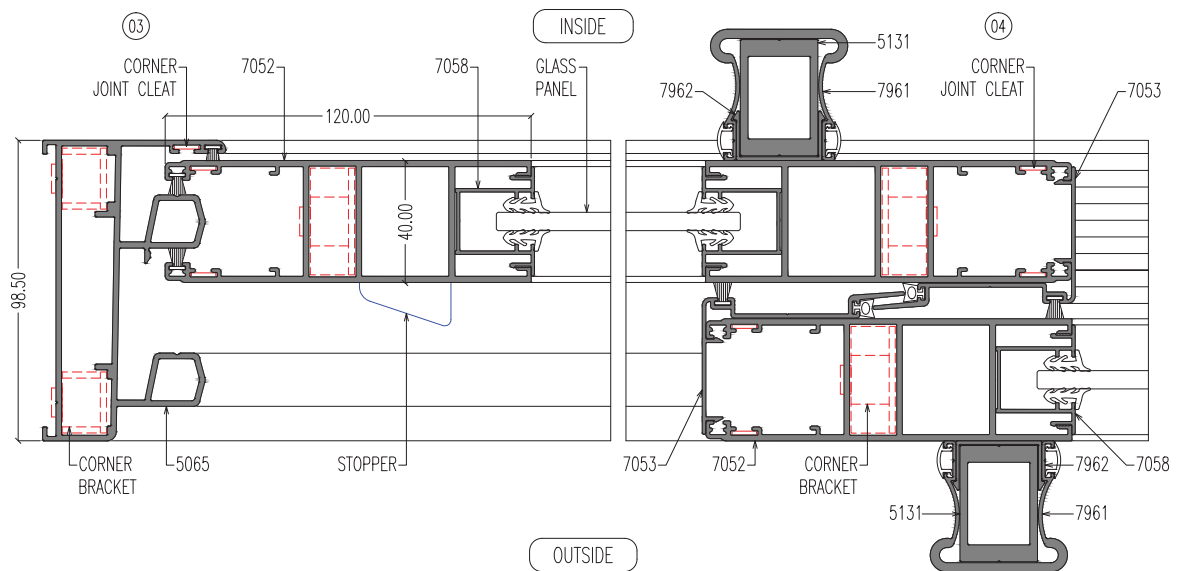
Note: Test report available upon request.



Typical Assembly Details

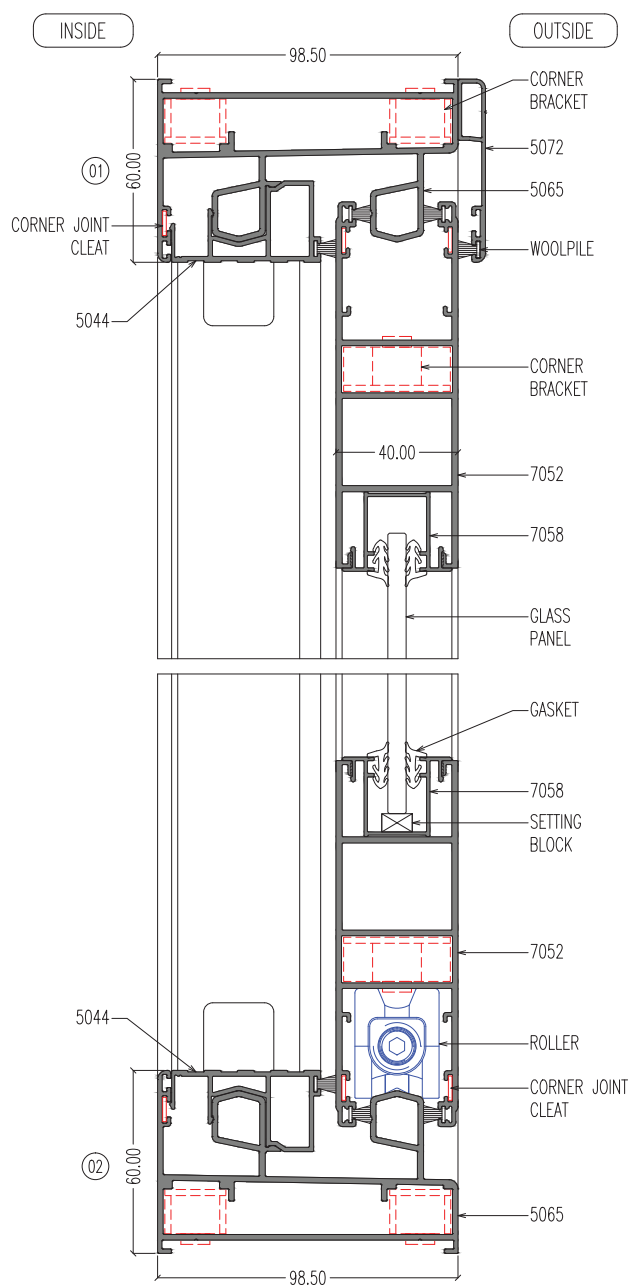


ELEVATION



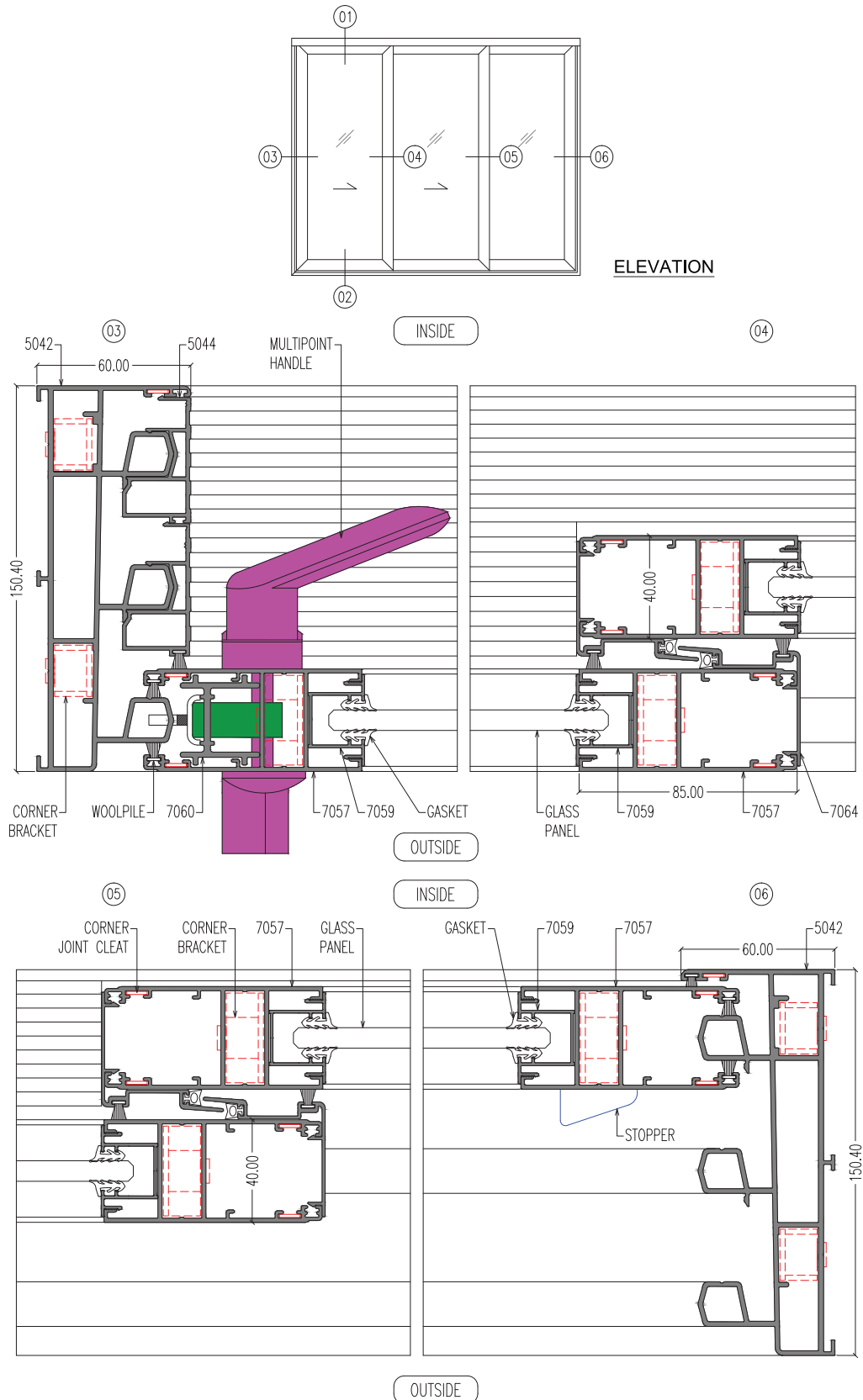
HORIZONTAL SECTIONS

Typical Assembly Details



VERTICAL SECTIONS

Typical Assembly Details



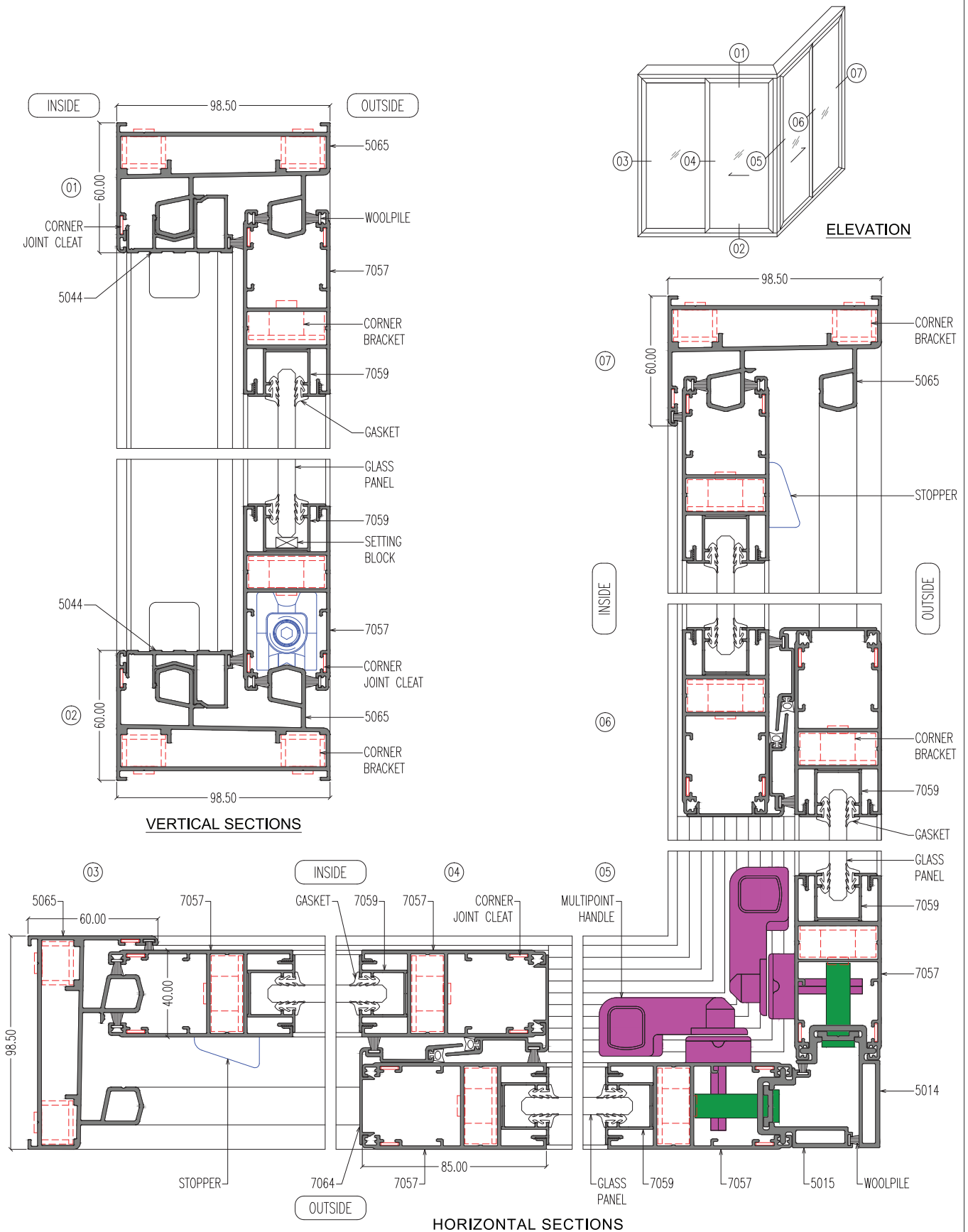
The image contains two technical cross-section drawings of a window frame assembly, labeled (01) and (02).

Drawing (01): This drawing shows the top and side profiles of the window frame. The overall width is 150.40 and the height is 60.00. It features a 'CORNER JOINT CLEAT' on the left. The frame is composed of several parts: 5072 (top outer rail), 5042 (top inner rail), 5044 (side rail), 5043 (bottom rail), 7057 (bottom outer rail), 7059 (bottom inner rail), and a 'WOOLPILE' (insulation) between the bottom rails. A 'GASKET' is shown at the bottom joint. Red dashed boxes indicate the locations of the corner brackets.

Drawing (02): This drawing shows the bottom and side profiles of the window frame. The overall width is 150.40 and the height is 60.00. It features a 'GLASS PANEL' at the top. The frame is composed of several parts: 5044 (side rail), 5043 (bottom rail), 7059 (bottom inner rail), 7057 (bottom outer rail), 7059 (bottom inner rail), 5042 (bottom inner rail), and a 'CORNER BRACKET' at the bottom. A 'SETTING BLOCK' is shown between the bottom rails. A 'ROLLER' is shown at the bottom joint. Red dashed boxes indicate the locations of the corner brackets.

Vol: 01 / 2026

Typical Assembly Details



Wind Load Chart

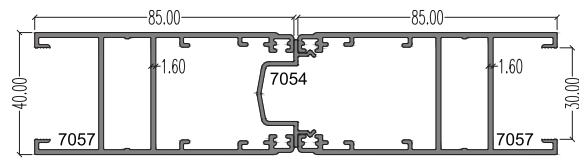
BUTTING STILE

Assembly of Sections 7057x2 & 7054

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 24.4 cm⁴

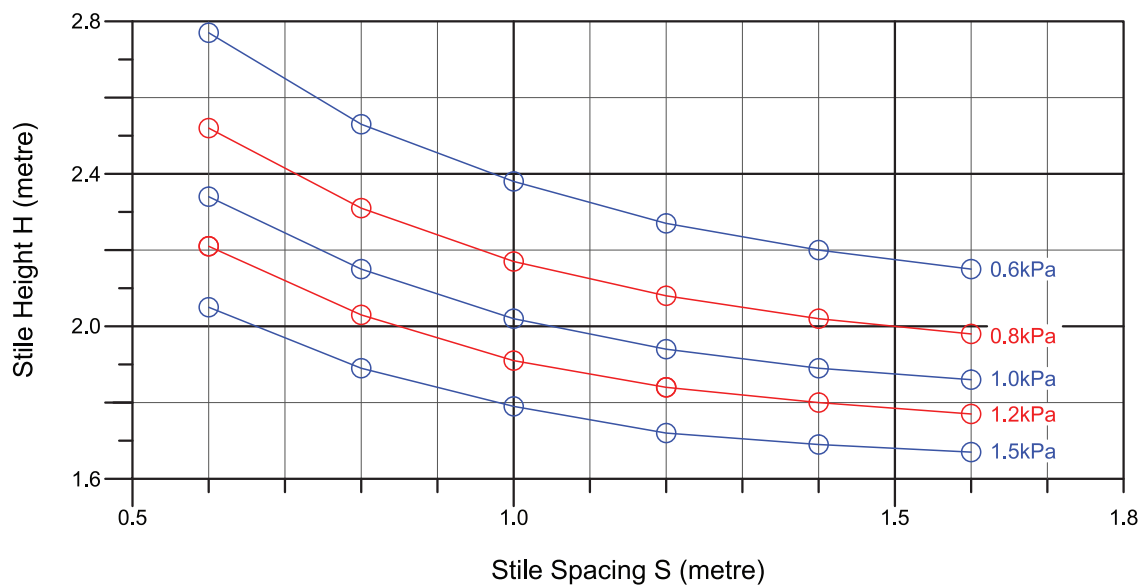
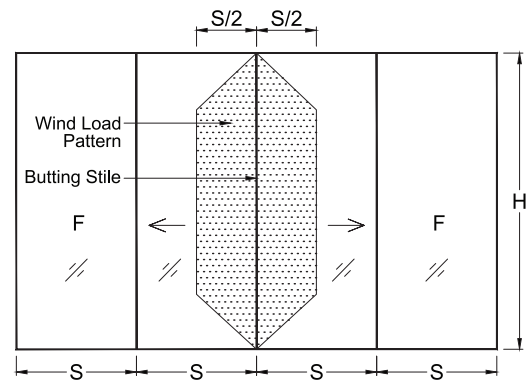
Overall moment of Resistance MR_{xx} : 1105 Nm



Note:
Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : 70×10^9 N/m²
Design bend. stress : 1.25×67 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

Wind Load Chart

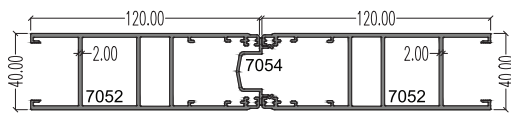
BUTTING STILE

Assembly of Sections 7052x2 & 7054

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 41.4 cm⁴

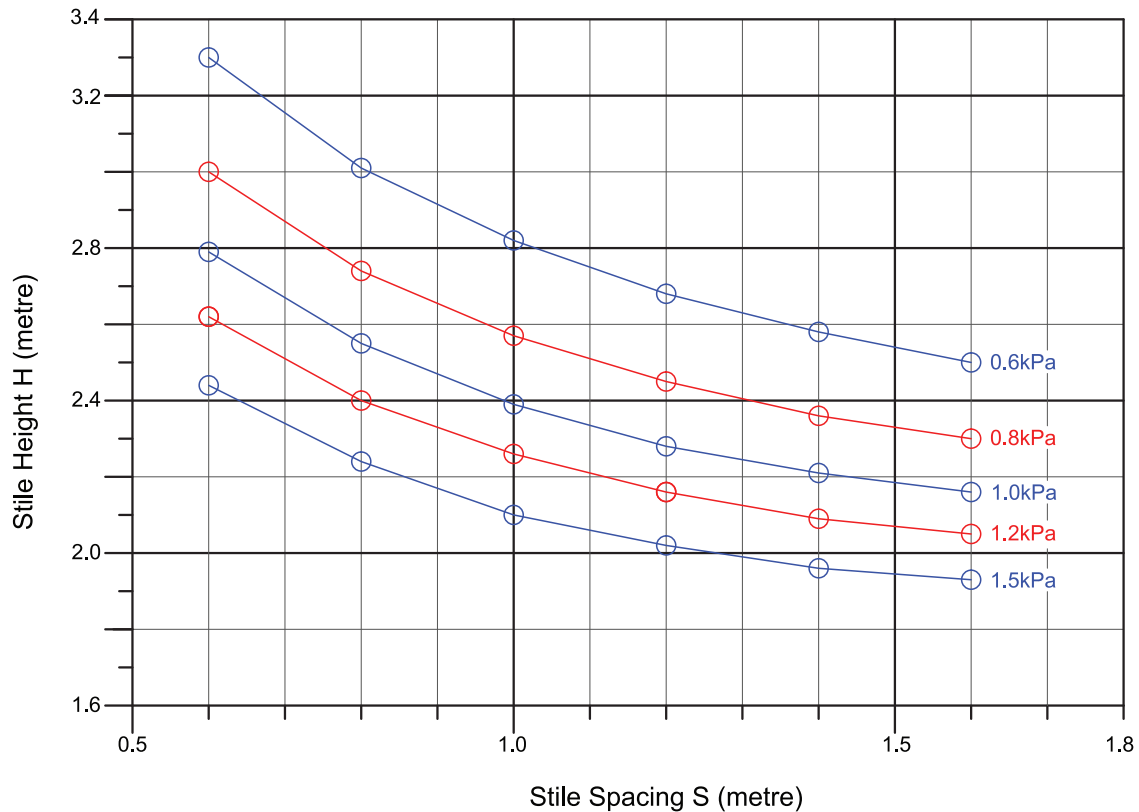
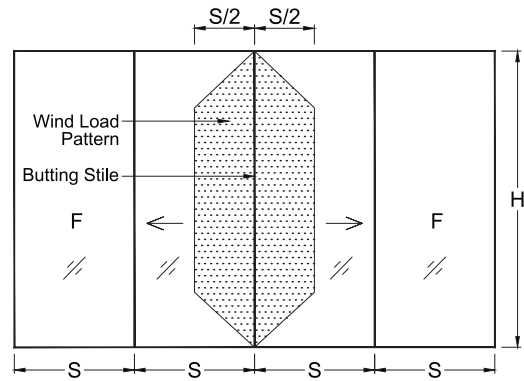
Overall moment of Resistance MR_{xx} : 1725 Nm



Note:
Suffix xx denotes axis perpendicular to wind load

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

Typical configuration of sliding door :



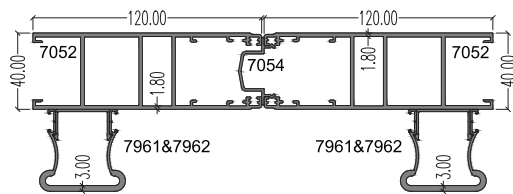
Note:
 ○ Deflection limit governs ◇ Moment of resistance governs
 :- Buckling has not been taken into account in this chart
 :- This windload chart is solely for reference only

Wind Load Chart

BUTTING STILE

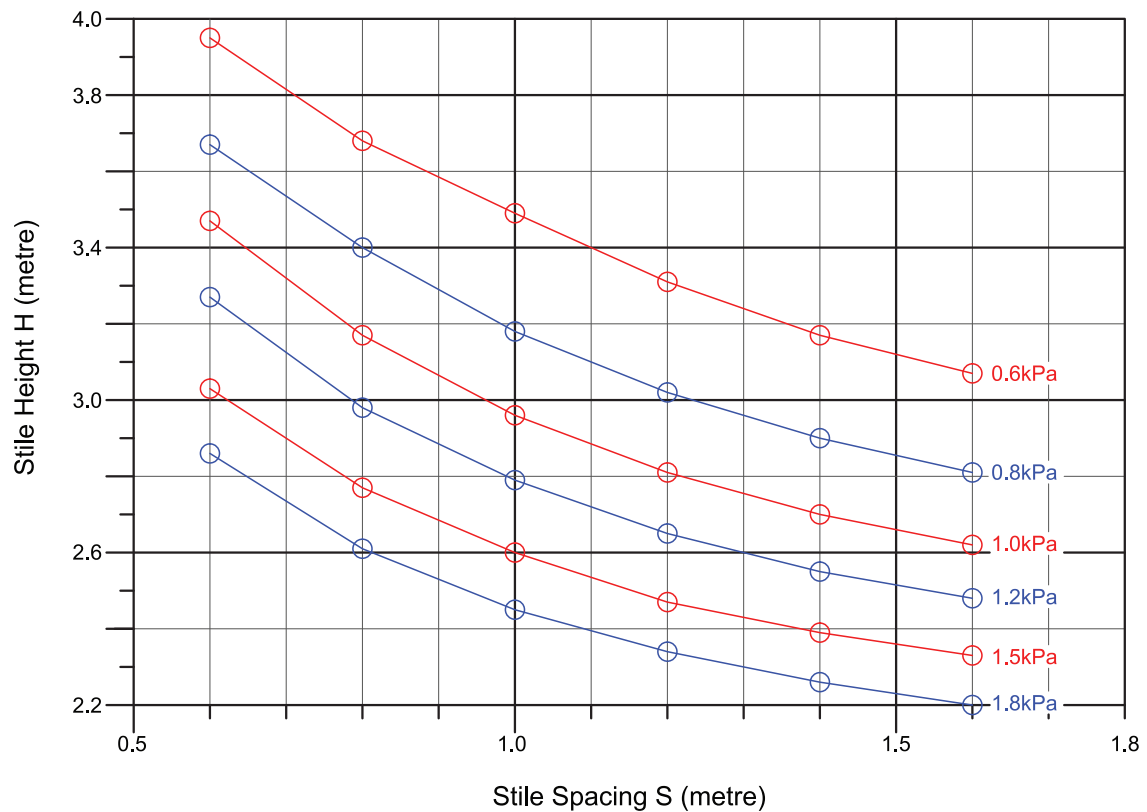
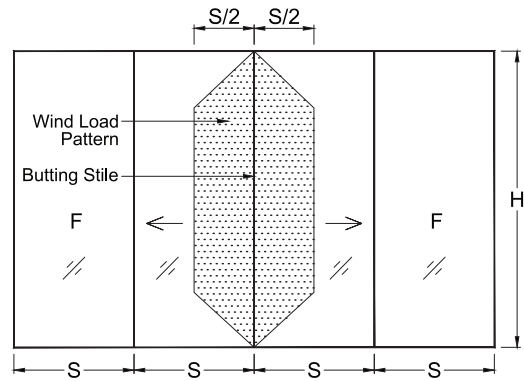
Assembly of Sections 7052x2, 7054, 7961x2 & 7962x2
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 80.5 cm⁴
 Overall moment of Resistance MR_{xx} : 2044 Nm

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

Wind Load Chart

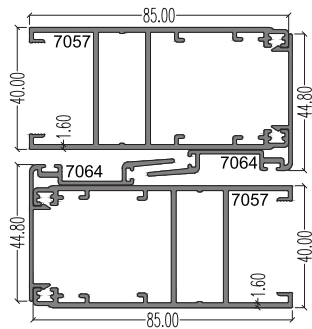
INTERLOCKING STILE

Assembly of Sections 7057x2 & 7064x2

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 31.8 cm⁴

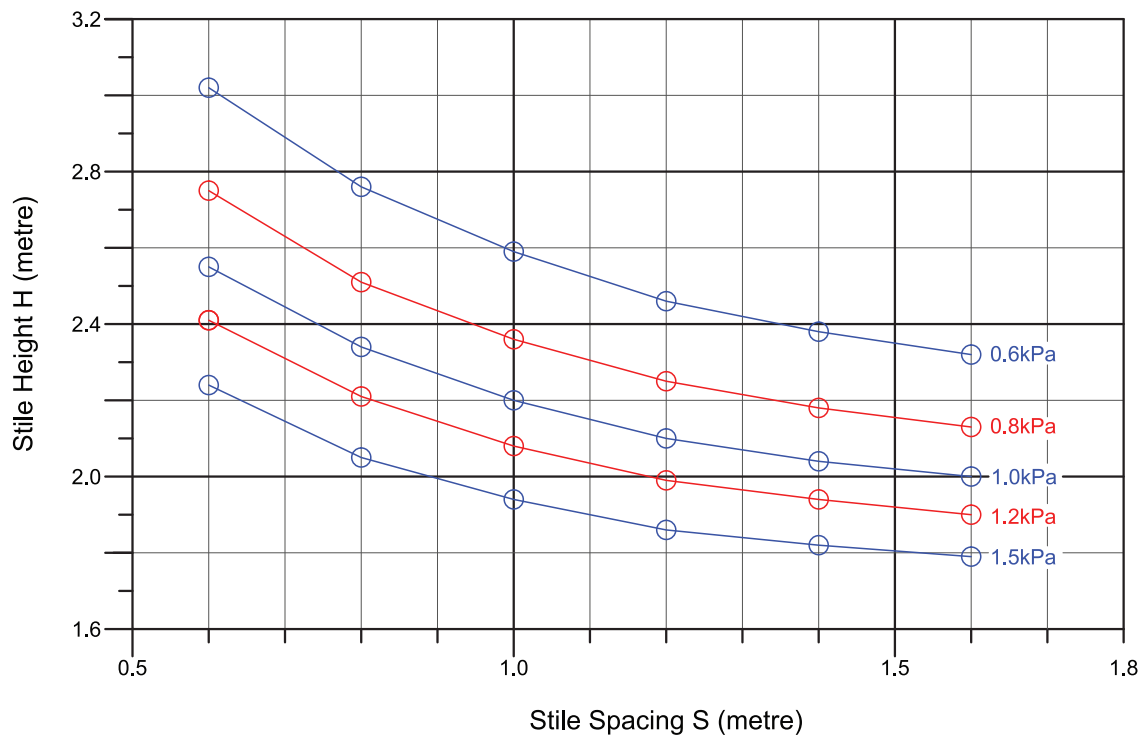
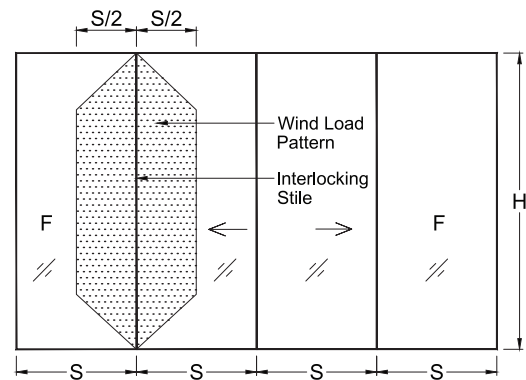
Overall moment of Resistance MR_{xx} : 1239 Nm



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

Wind Load Chart

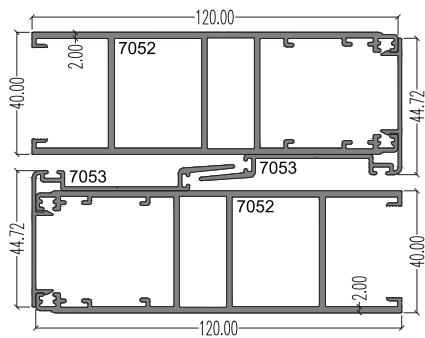
INTERLOCKING STILE

Assembly of Sections 7052x2 & 7053x2

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 47.0 cm⁴

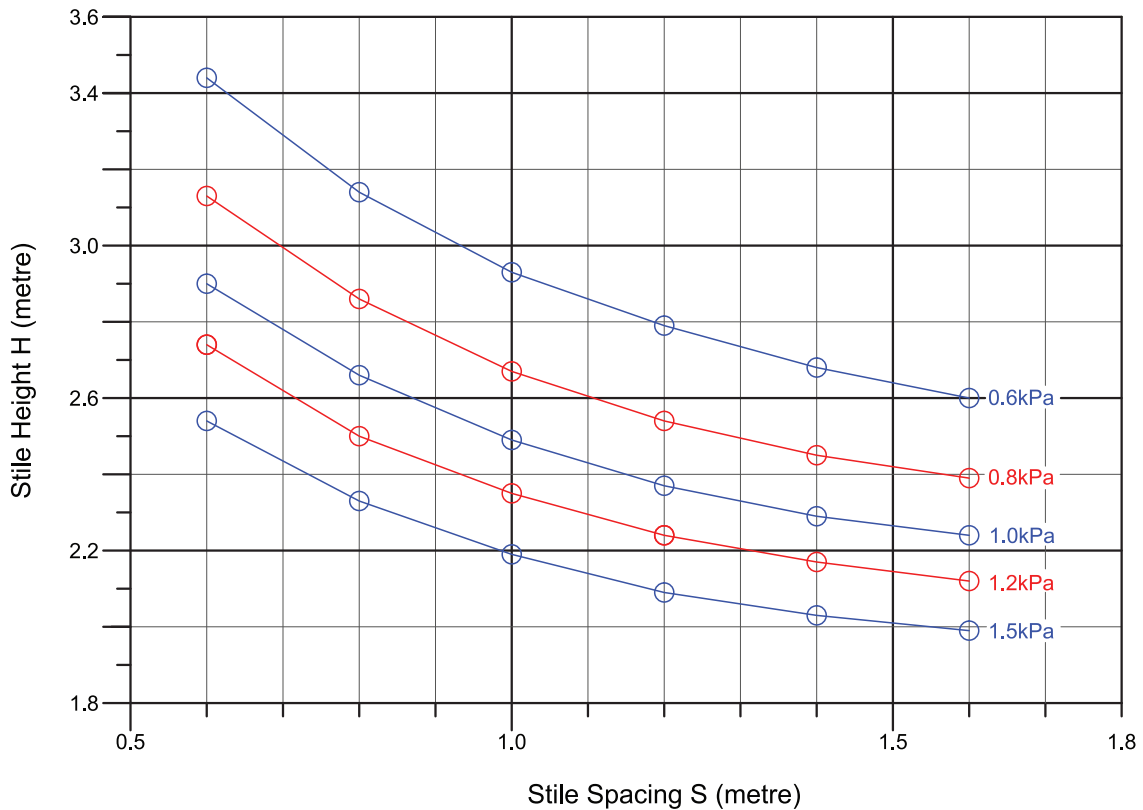
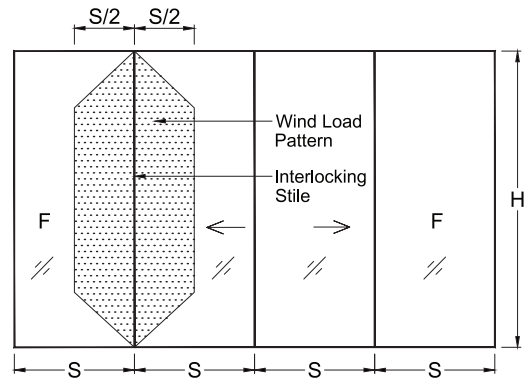
Overall moment of Resistance MR_{xx} : 1864 Nm



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 :

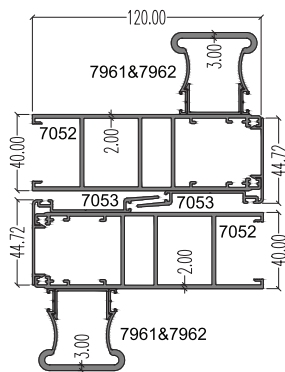


Note:
○ Deflection limit governs ◇ Moment of resistance governs
:- Buckling has not been taken into account in this chart
:- This windload chart is solely for reference only

Wind Load Chart

INTERLOCKING STILE

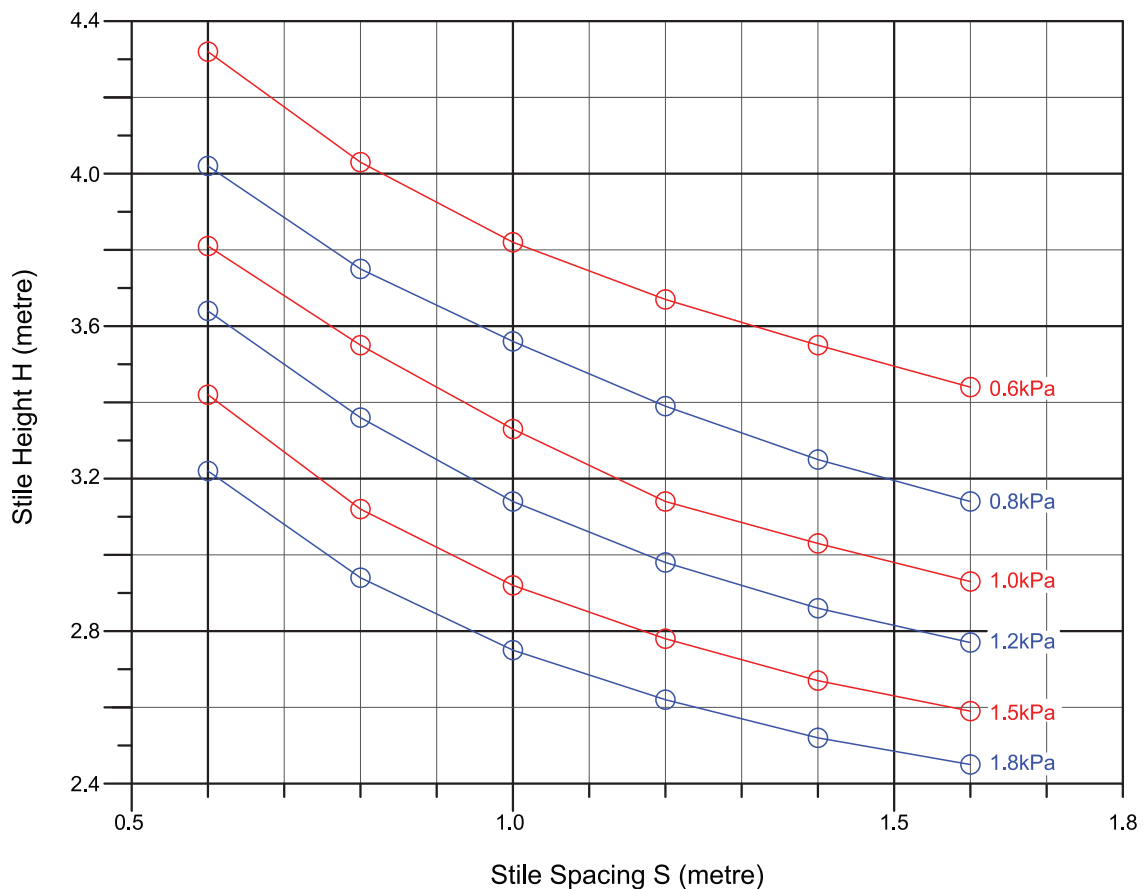
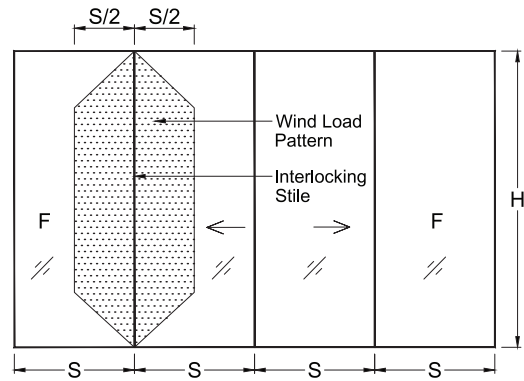
Assembly of Sections 7052x2, 7053x2, 7961x2 & 7962x2
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 116.0 cm⁴
 Overall moment of Resistance MR_{xx} : 2104 Nm



Note:
 Suffix xx denotes axis perpendicular to wind load

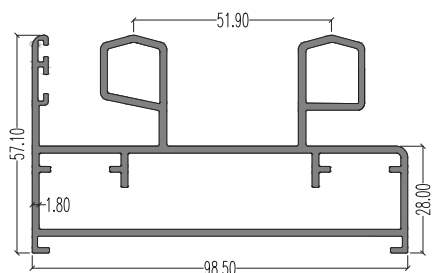
Mod. of elasticity : 70×10^9 N/m²
 Design bend. stress : 1.25 x 67 MPa
 Deflection limit : $\frac{Span}{175}$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of Sliding Door :

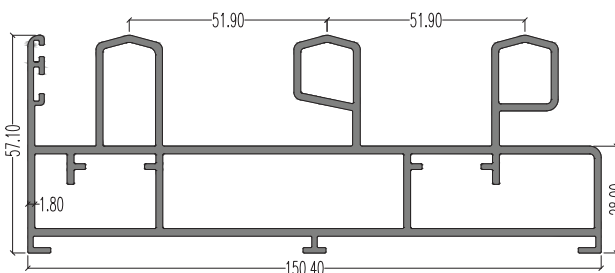


Note:
 ○ Deflection limit governs ◇ Moment of resistance governs
 :- Buckling has not been taken into account in this chart
 :- This windload chart is solely for reference only

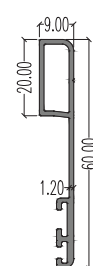
Sectional Details



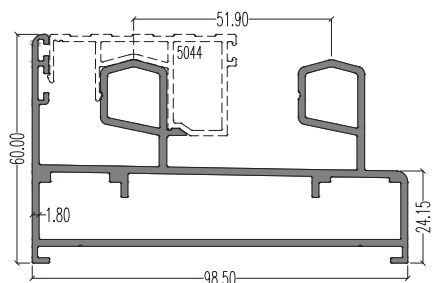
7051 (Outer)
LW : 2.200 kg/m
AP : 529.16 mm



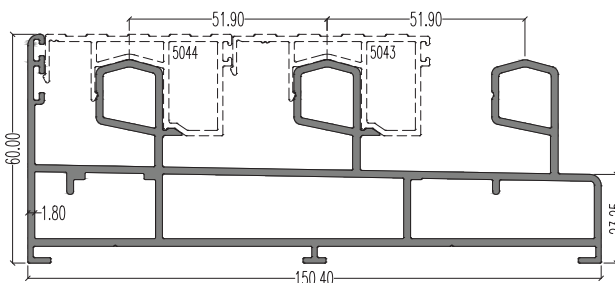
7056 (Outer)
LW : 3.448 kg/m
AP : 698.27 mm



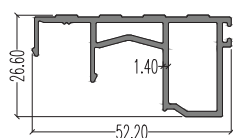
5072 (Cover Outer)
LW : 0.371 kg/m
AP : 163.21 mm



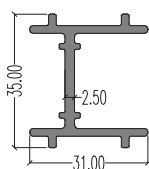
5065 (Outer)
LW : 2.199 kg/m
AP : 528.25 mm



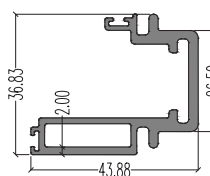
5042 (Outer)
LW : 3.311 kg/m
AP : 745.90 mm



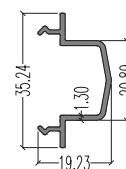
5043 (Capping)
LW : 0.617 kg/m
AP : 200.58 mm
(For 5042)



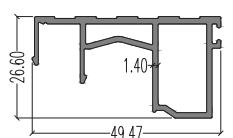
7060 (For Lock)
LW : 0.592 kg/m
AP : 201.48 mm
(For CK & DSD Lock)



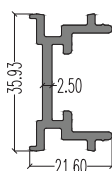
5015 (Corner Joint)
LW : 0.849 kg/m
AP : 245.62 mm



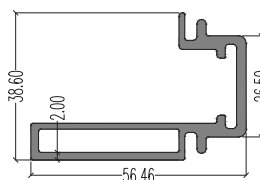
7054 (Mid-Joint)
LW : 0.231 kg/m
AP : 136.98 mm
Ixx : 0.940 cm⁴
Iyy : 0.273 cm⁴
(For CK & DSD Lock)



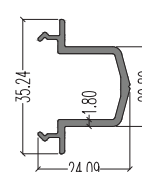
5044 (Capping)
LW : 0.616 kg/m
AP : 199.71 mm
(For 5042 & 5065)



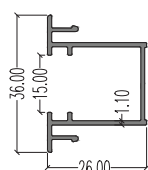
7080 (For Lock)
LW : 0.528 kg/m
AP : 178.30 mm
(For SLD109K Lock)



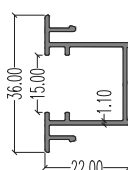
5014 (Corner Joint)
LW : 0.952 kg/m
AP : 245.71 mm



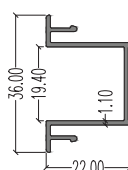
7081 (Mid-Joint)
LW : 0.338 kg/m
AP : 153.17 mm
Ixx : 1.216 cm⁴
Iyy : 0.638 cm⁴
(For SLD109K Lock)



7058 (Glazing Channel)
LW : 0.314 kg/m
AP : 215.56 mm
(For 7052)

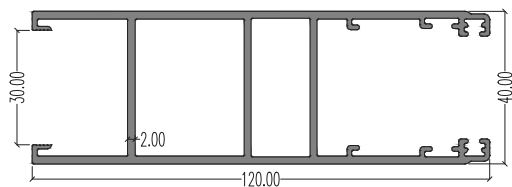


7059 (Glazing Channel)
LW : 0.290 kg/m
AP : 199.56 mm
(For 7057)

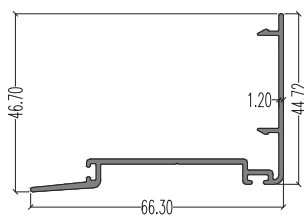


33718 (Glazing Channel)
LW : 0.264 kg/m
AP : 183.50 mm
(For 7057)

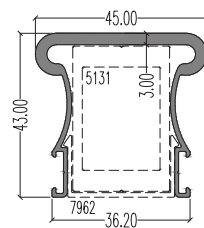
Sectional Details



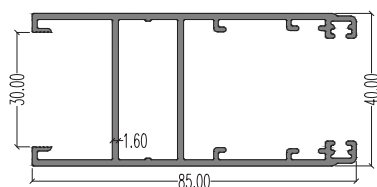
7052 (Inner)
 LW : 1.994 kg/m
 AP : 568.53 mm
 Ixx : 20.71 cm⁴
 Iyy : 82.02 cm⁴



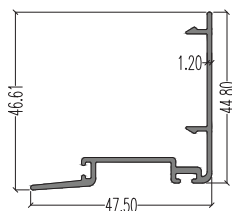
7053 (Interlock)
 LW : 0.472 kg/m
 AP : 276.69 mm
 Ixx : 2.793 cm⁴
 Iyy : 8.261 cm⁴
 (For 7052)



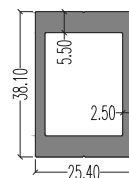
7961 (Reinforcement)
 LW : 0.757 kg/m
 AP : 292.13 mm
 Ixx : 4.594 cm⁴
 Iyy : 6.218 cm⁴



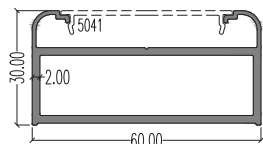
7057 (Inner)
 LW : 1.258 kg/m
 AP : 496.13 mm
 Ixx : 13.23 cm⁴
 Iyy : 27.10 cm⁴



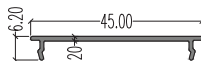
7064 (Interlock)
 LW : 0.413 kg/m
 AP : 238.68 mm
 Ixx : 2.741 cm⁴
 Iyy : 3.340 cm⁴
 (For 7057)



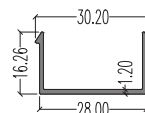
5131 (Reinforcement)
 LW : 1.125 kg/m
 AP : 126.93 mm
 Ixx : 8.315 cm⁴
 Iyy : 3.285 cm⁴
 (For 7961)



5040 (Reinforcement)
 LW : 0.926 kg/m
 AP : 233.02 mm
 Ixx : 2.971 cm⁴
 Iyy : 15.24 cm⁴

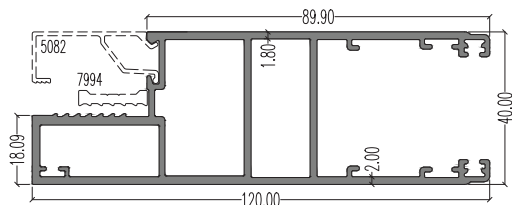


5041 (Reinforcement)
 LW : 0.172 kg/m
 AP : 111.27 mm
 Ixx : 0.012 cm⁴
 Iyy : 1.264 cm⁴
 (For 5040)

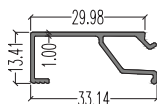


7962 (Reinforcement)
 LW : 0.179 kg/m
 AP : 119.12 mm
 Ixx : 0.181 cm⁴
 Iyy : 0.818 cm⁴
 (For 7961)

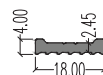
For Stainless Steel Mesh



5082 (Beading)
 LW : 2.086 kg/m
 AP : 518.35 mm



5082 (Beading)
 LW : 0.205 kg/m
 AP : 148.14 mm



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

Accessories

Door Locksets



CK83
Single



CK84
Double



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



T27
Multipoint Handle



Latch
(For Corner Joint)

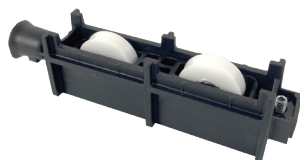


T29
Lockcase



SLD109K with Key
(with Lockbar & Keeper)

Roller



Fapim 005DRA
(Rating: 140kg/panel)

Corner Brackets



SLD/BKT01
(Inner Frame)
(33.5mm)



SLD/BKT02
(Outer Frame)
(20.0mm)

Skider



SLD/SK04

Weep Hole Cover



Rubber Strip



PLG 2911 (50m/roll)

Stopper



SP-121

Fixed Panel Support



Support Block

Interlock Rubber Strip



7055
(100m/roll)

Interlock PVC Cover



SLD/IC02

Corner Joint Cleat



SLD/CJC02
(8mm)

Woolpile



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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