



ALBEPorta®



Performance Sliding Door **PSD03**

Designed and tested according to MS1017:2022



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

Product

ALBEPorta PSD03

Typical Technical Features

Inner Frame Thickness	: 1.30mm - 1.50mm
Inner Frame Depth	: 32.00mm
Inner Frame Width	: 45.00mm - 70.00mm
Outer Frame	: 2 & 3 Tracks
Outer Frame Depth	: 81.00mm - 130.00mm
Corner Joints	: Mortise Joints
Glazing Gap	: 12.00mm
Locking System	: Single-point & Multipoint



Other Features

Good Aesthetics
In-builts Fixed Panels

Performance Test

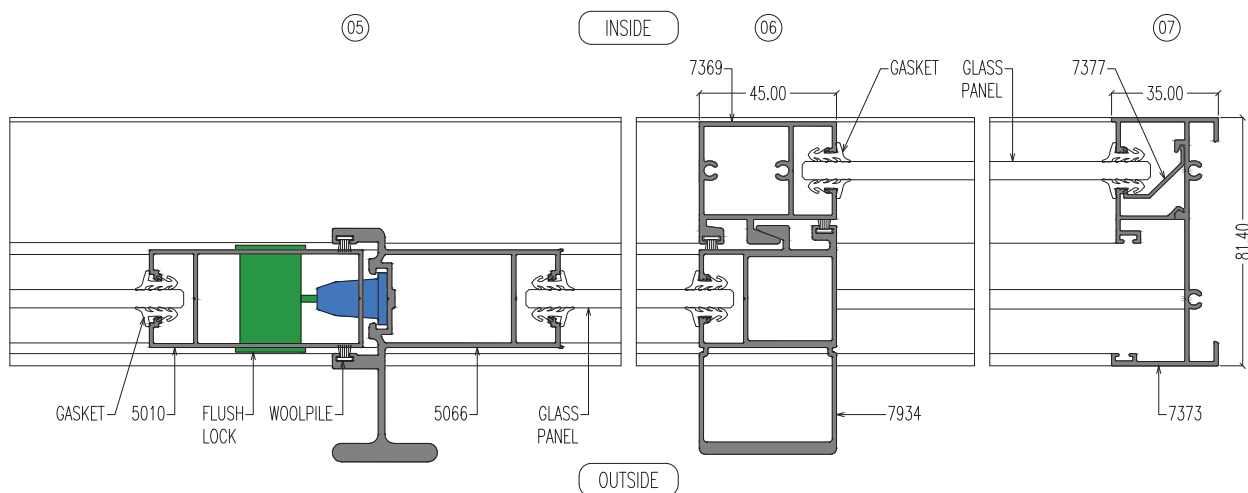
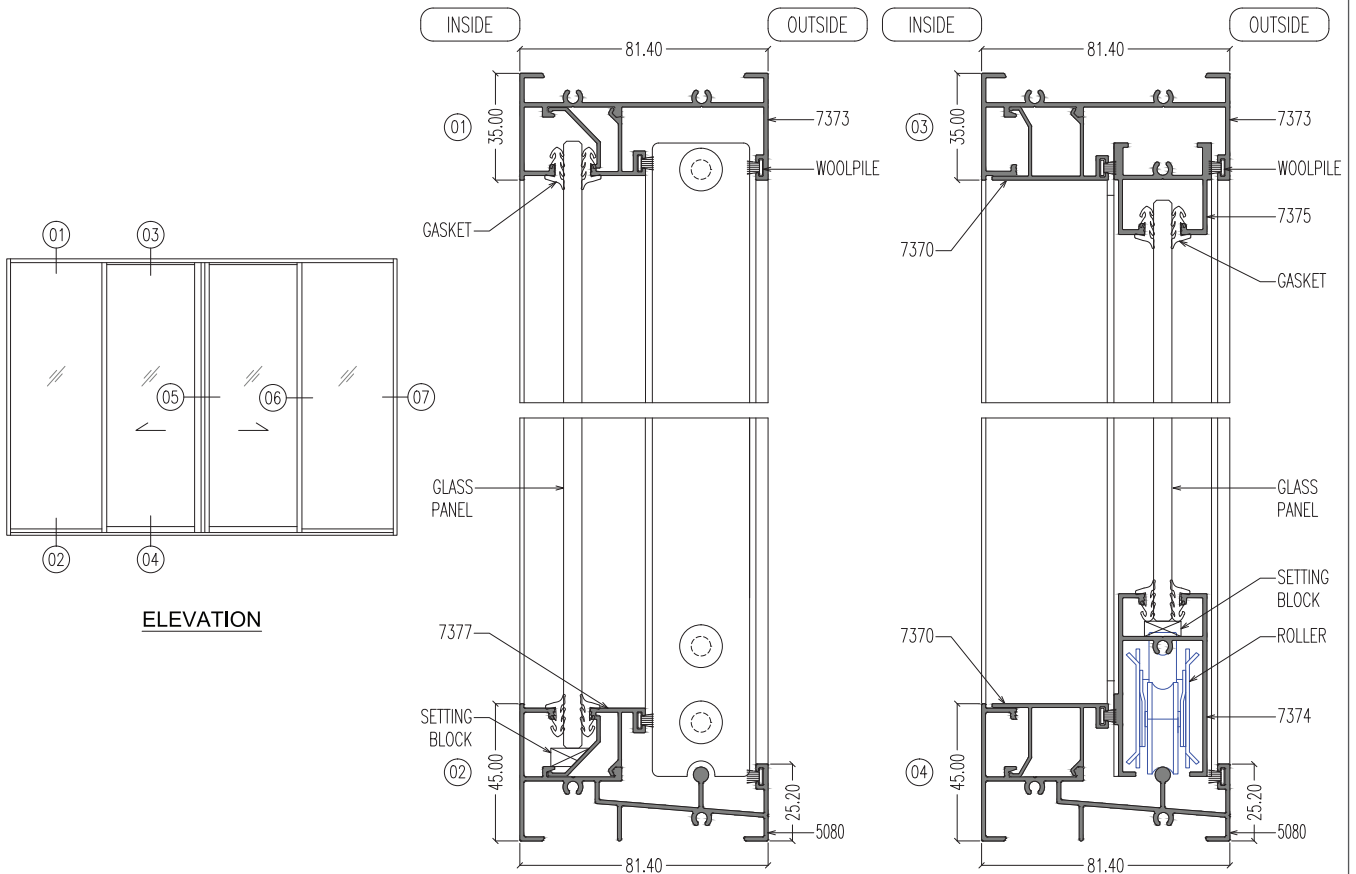
This sliding door suite had been tested in compliance to MS 1017:2022 performance test procedure for:-

1. 1200Pa windload : Passed
2. 180Pa air leakage : Passed
3. 240Pa water infiltration : Passed

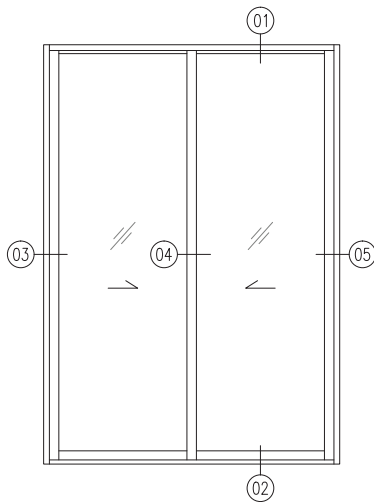
Note: Test report available upon request.



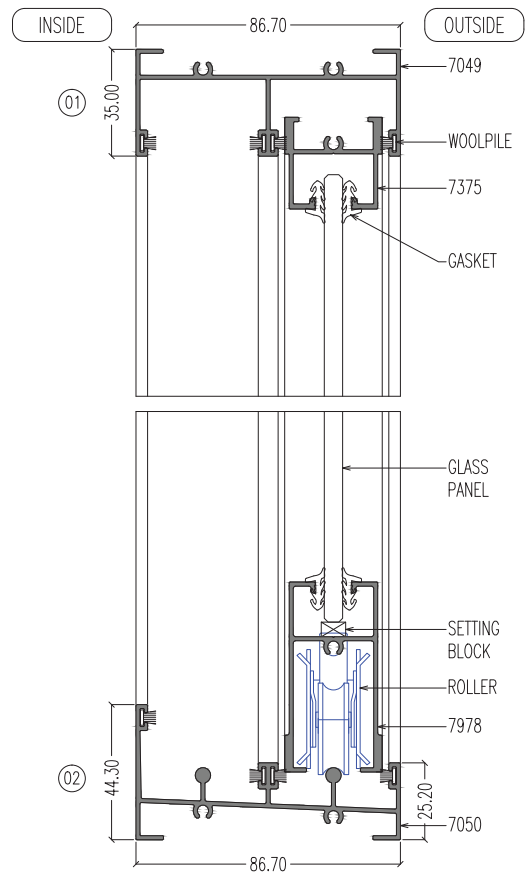
Typical Assembly Details



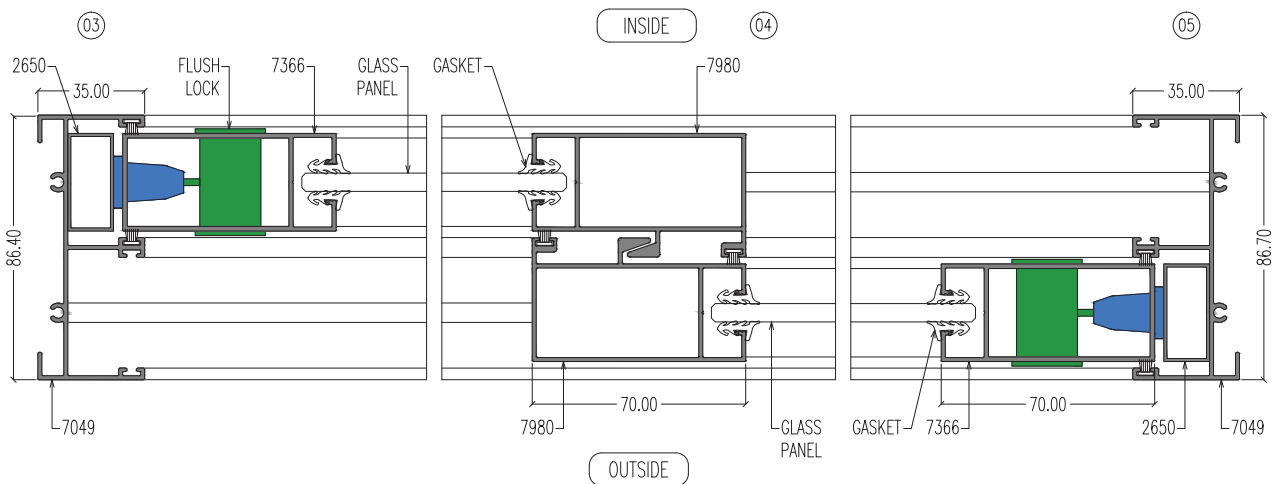
Typical Assembly Details



ELEVATION

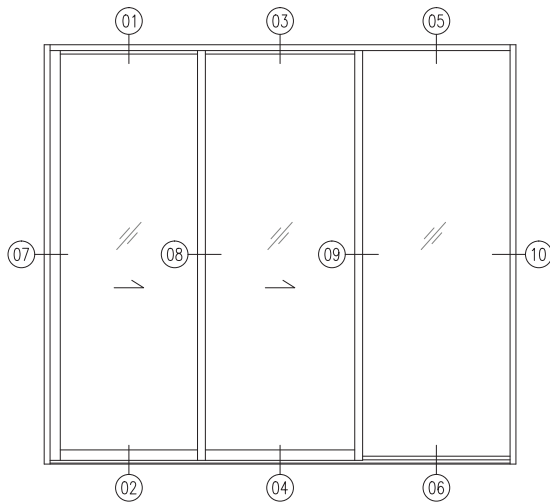


VERTICAL SECTIONS

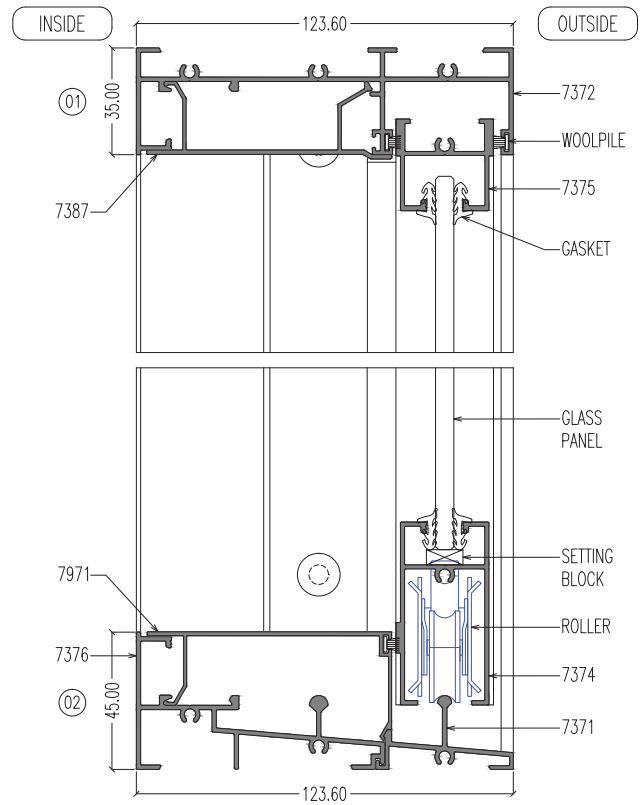


HORIZONTAL SECTIONS

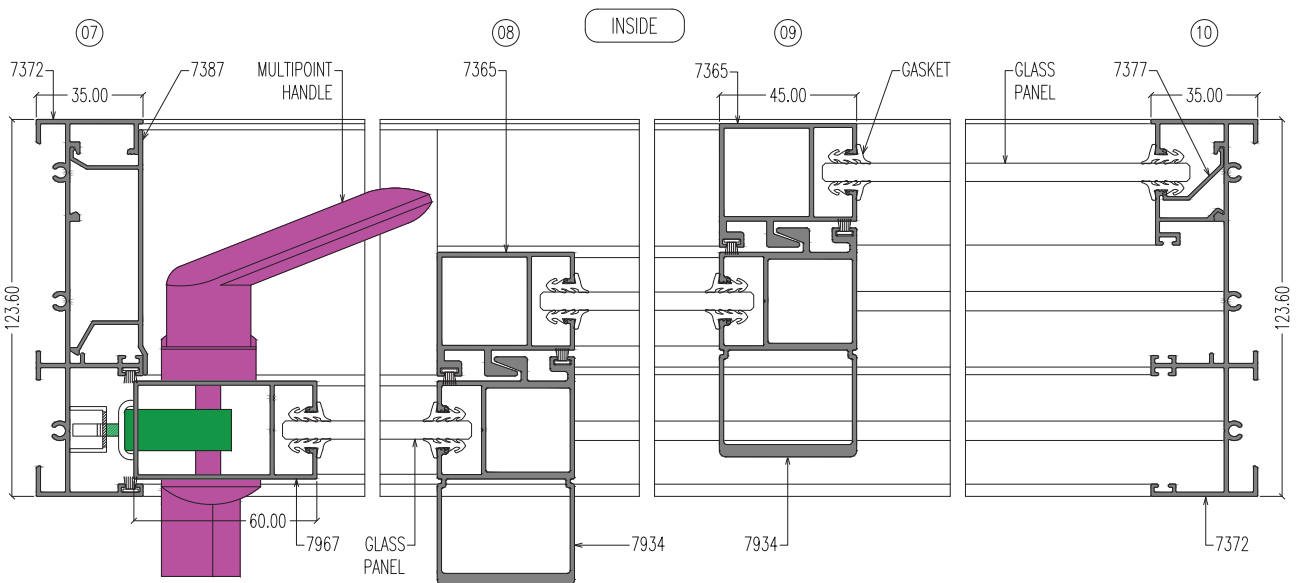
Typical Assembly Details



ELEVATION

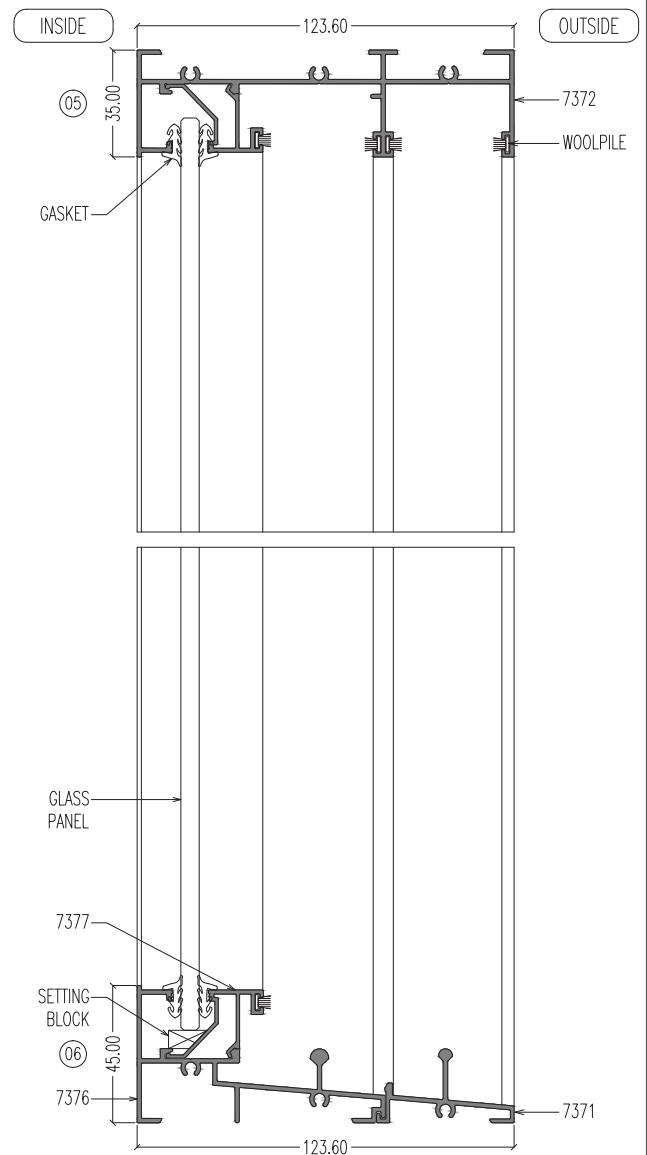
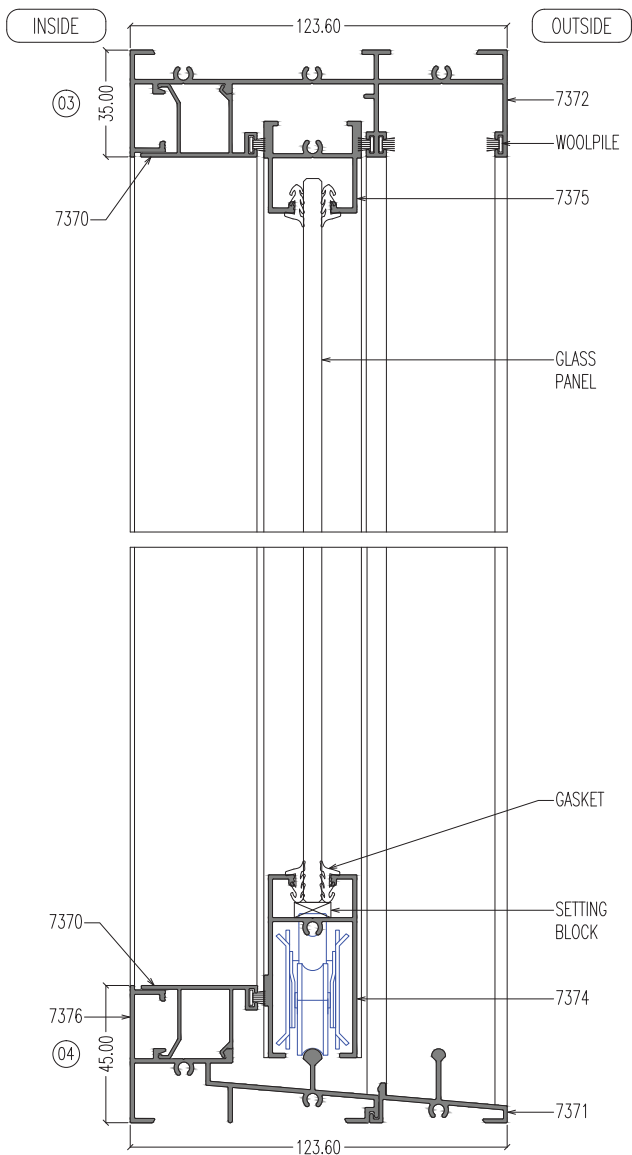


VERTICAL SECTIONS



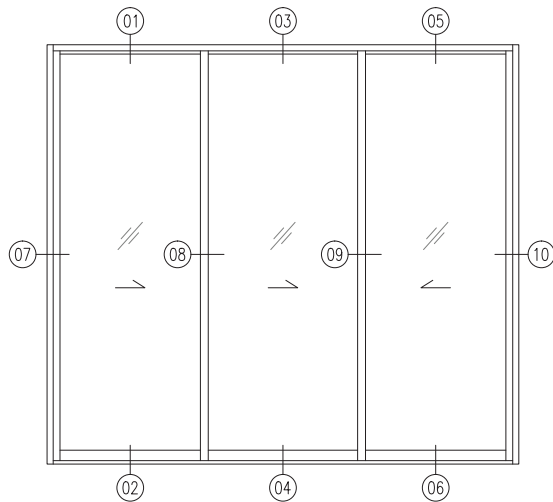
HORIZONTAL SECTIONS

Typical Assembly Details

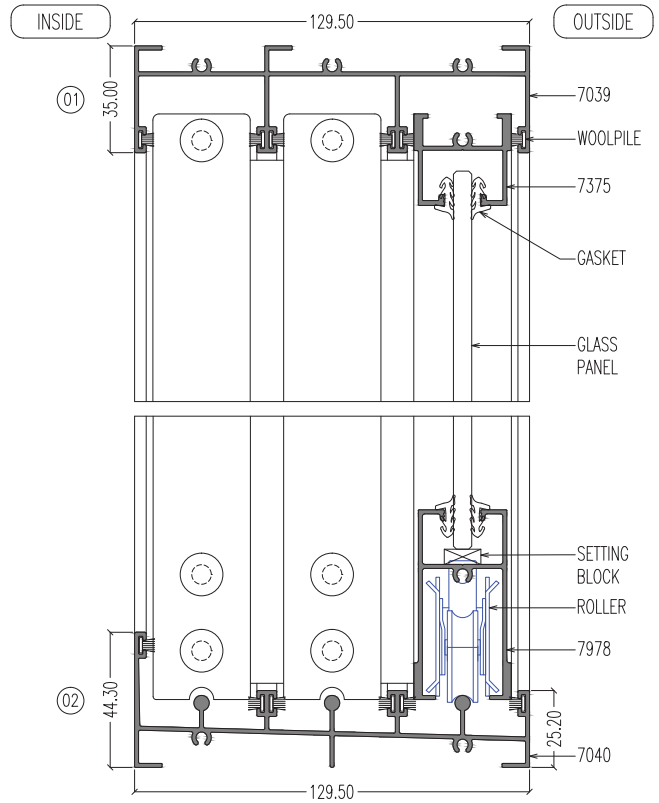


VERTICAL SECTIONS

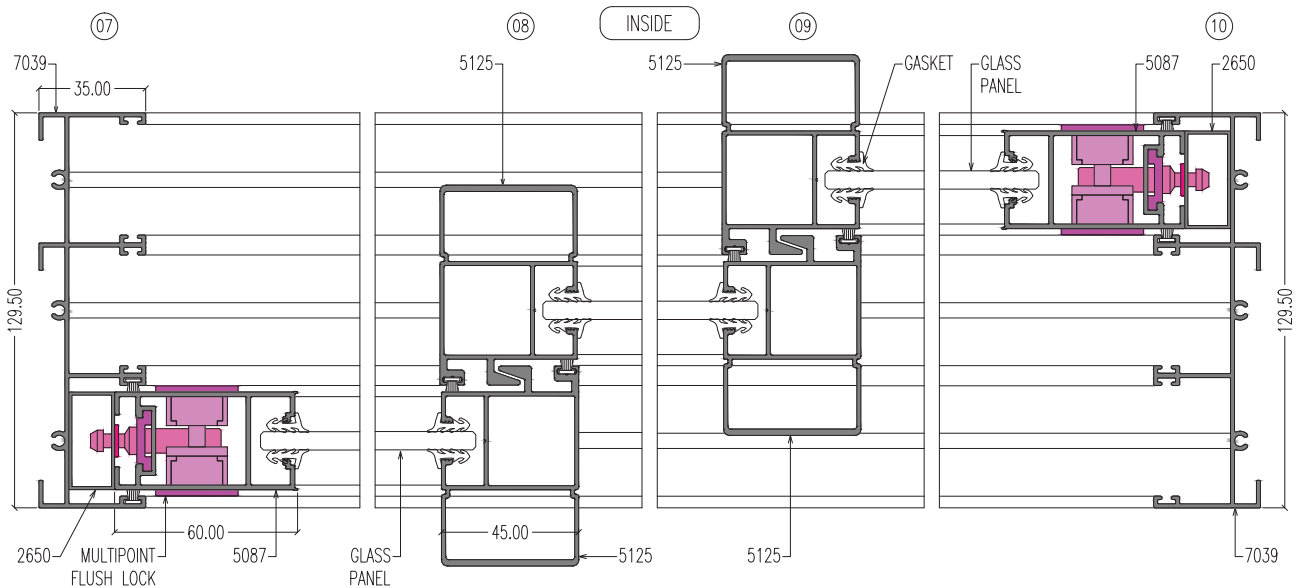
Typical Assembly Details



ELEVATION

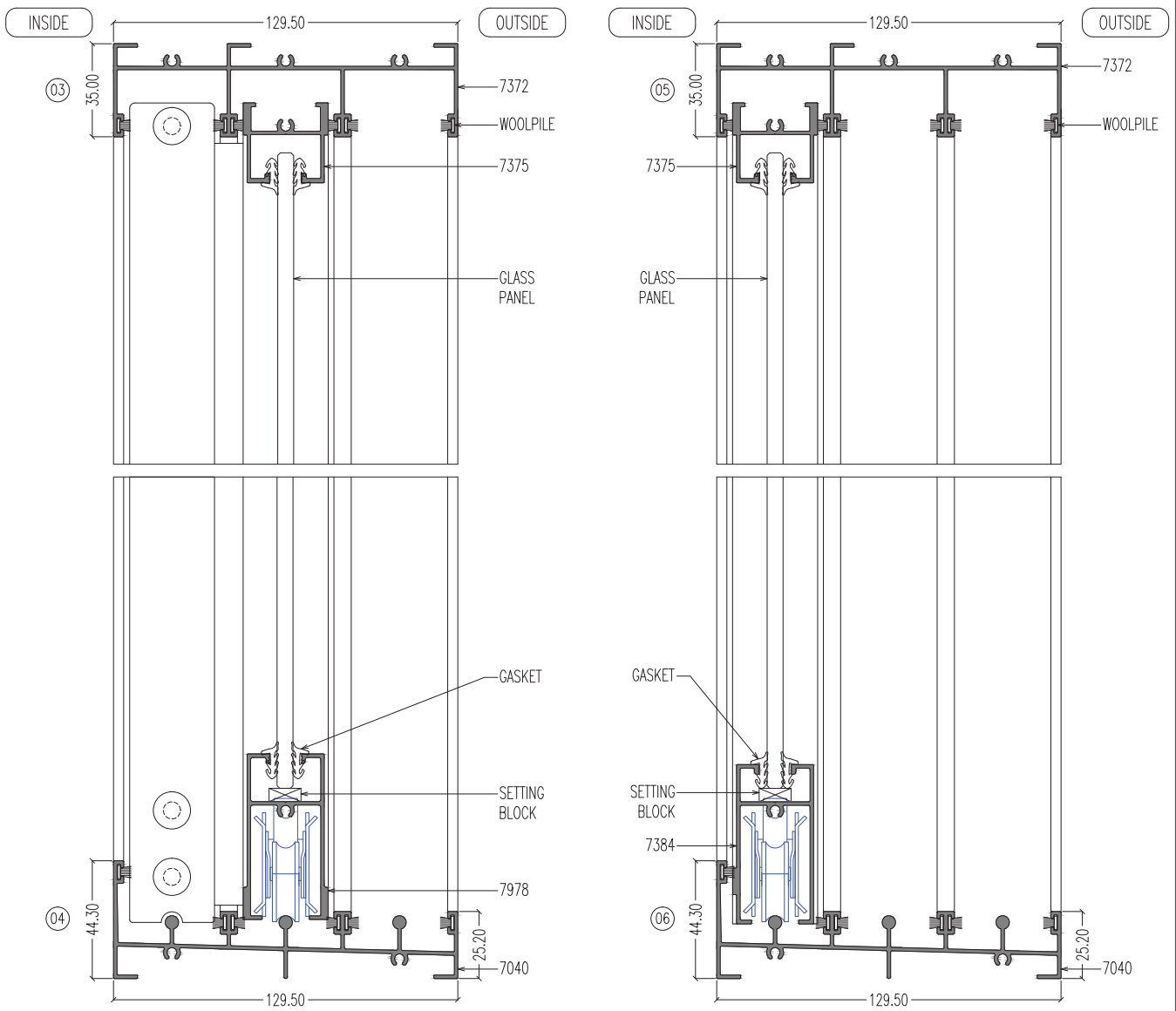


VERTICAL SECTIONS



HORIZONTAL SECTIONS

Typical Assembly Details



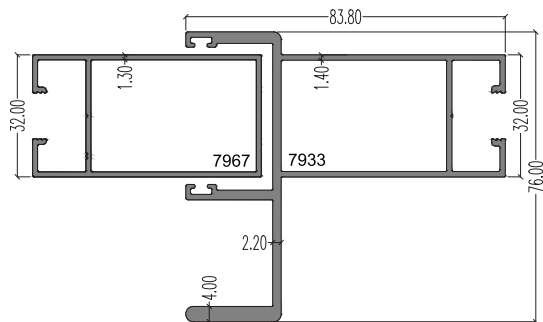
VERTICAL SECTIONS

Wind Load Chart

BUTTING STILE

Assembly of Sections 7933 & 7967

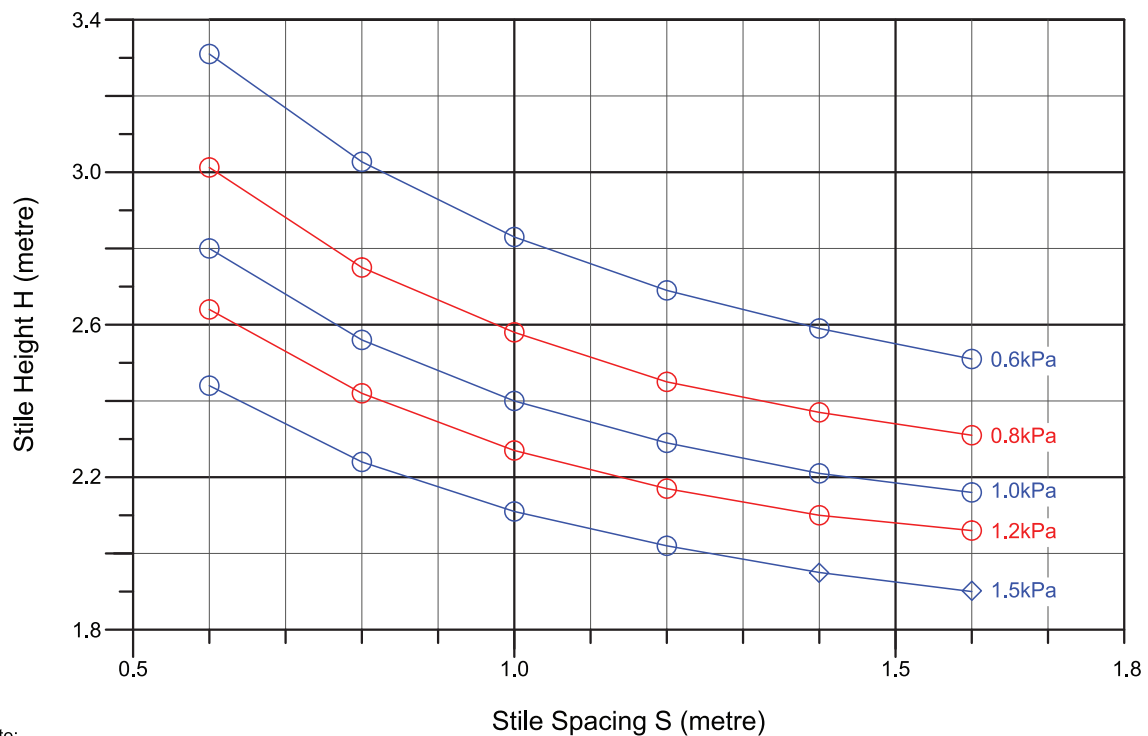
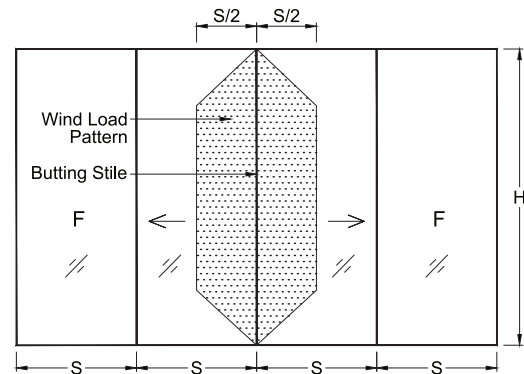
Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 41.9 cm⁴
 Overall moment of resistance MR_{xx} : 825 Nm



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 : $\text{Span}/_{175}$, 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

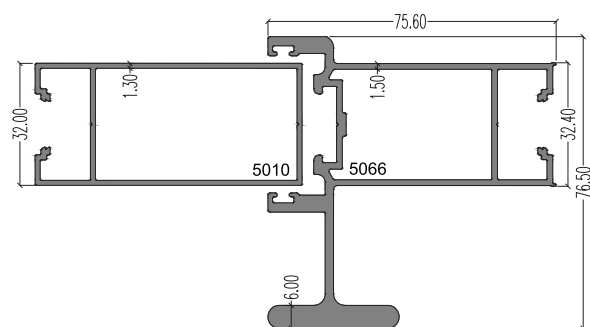
BUTTING STILE

Assembly of Sections 5066 & 5010

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 55.6 cm⁴

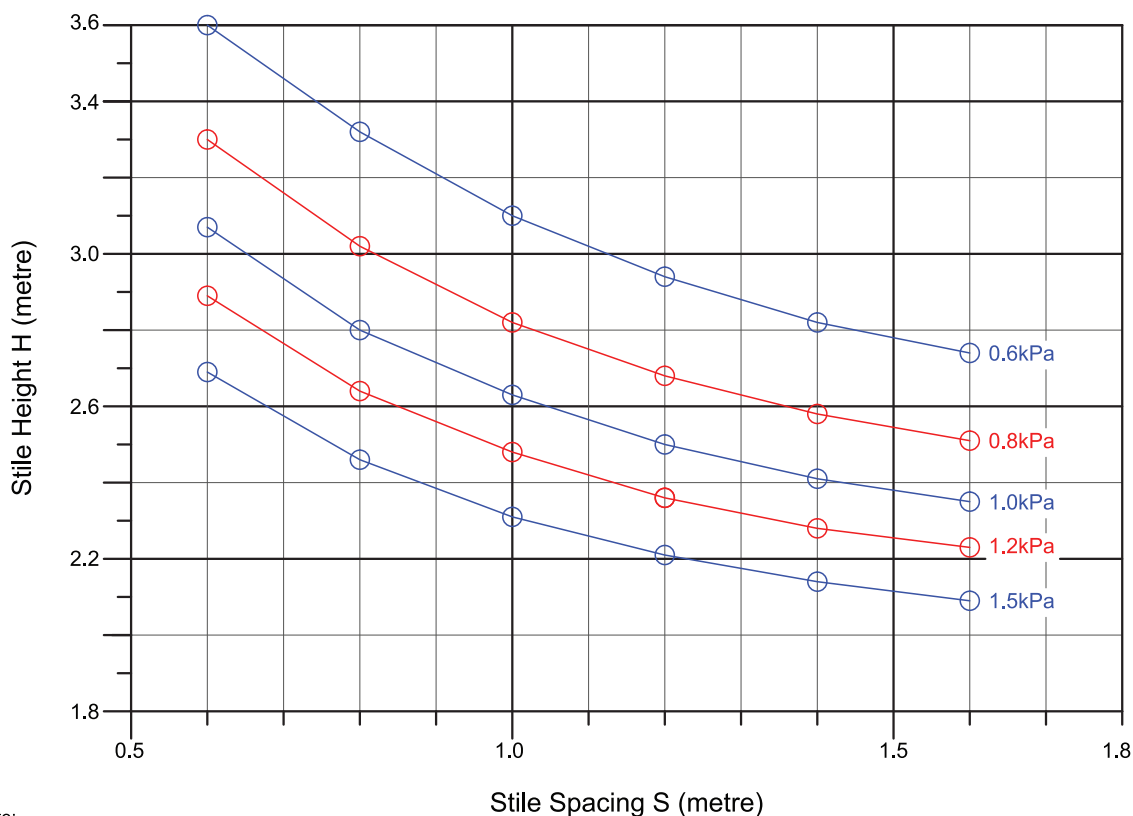
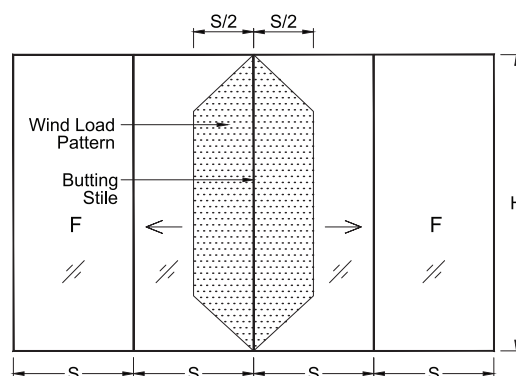
Overall moment of resistance MR_{xx} : 1180 Nm



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 : $\frac{Span}{175}$, 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

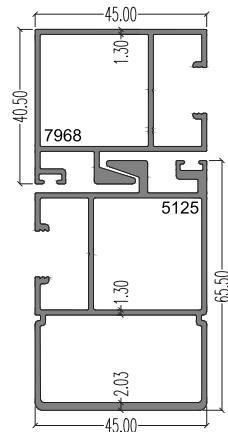
INTERLOCKING STILE

Assembly of Sections 7968 & 5125

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 29.3 cm^4

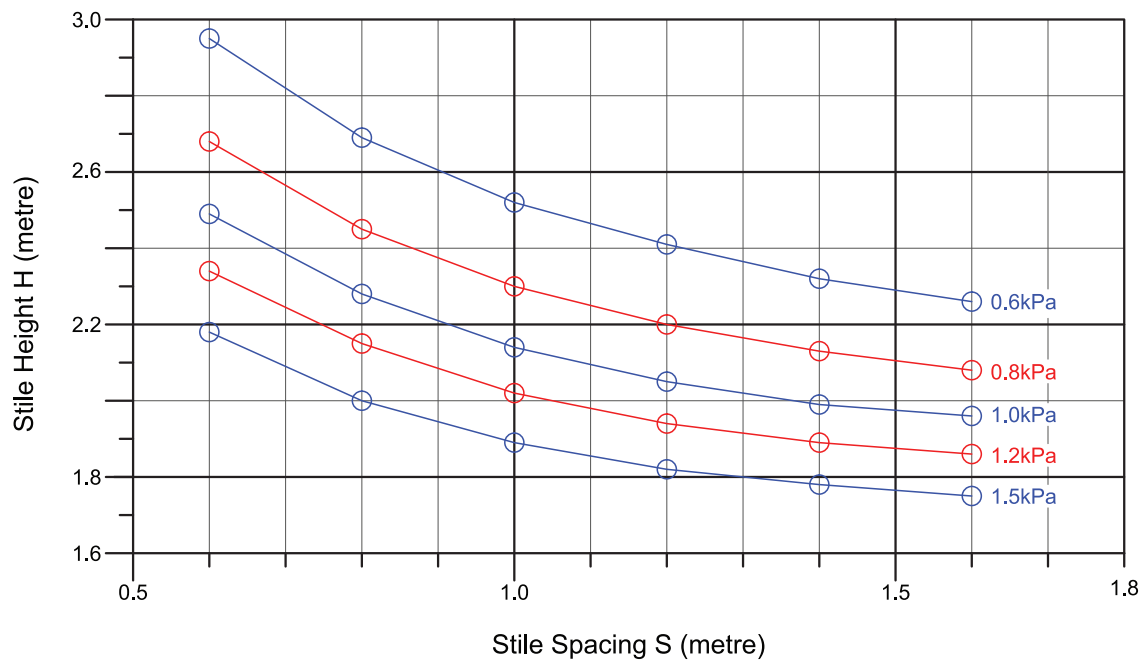
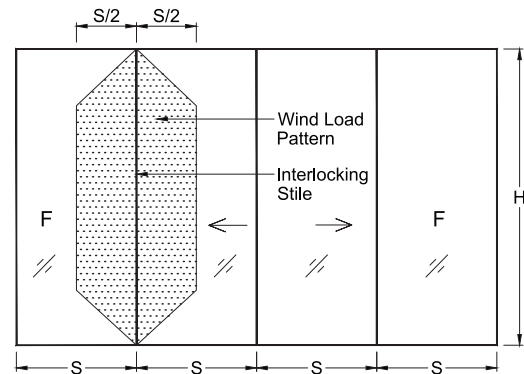
Overall moment of resistance MR_{xx} : 744 Nm



Note:
Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
Design bend. stress : $1.25 \times 67 \text{ MPa}$
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

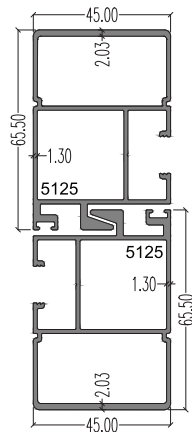
INTERLOCKING STILE

Assembly of Sections 5125 & 5125

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 46.9 cm⁴

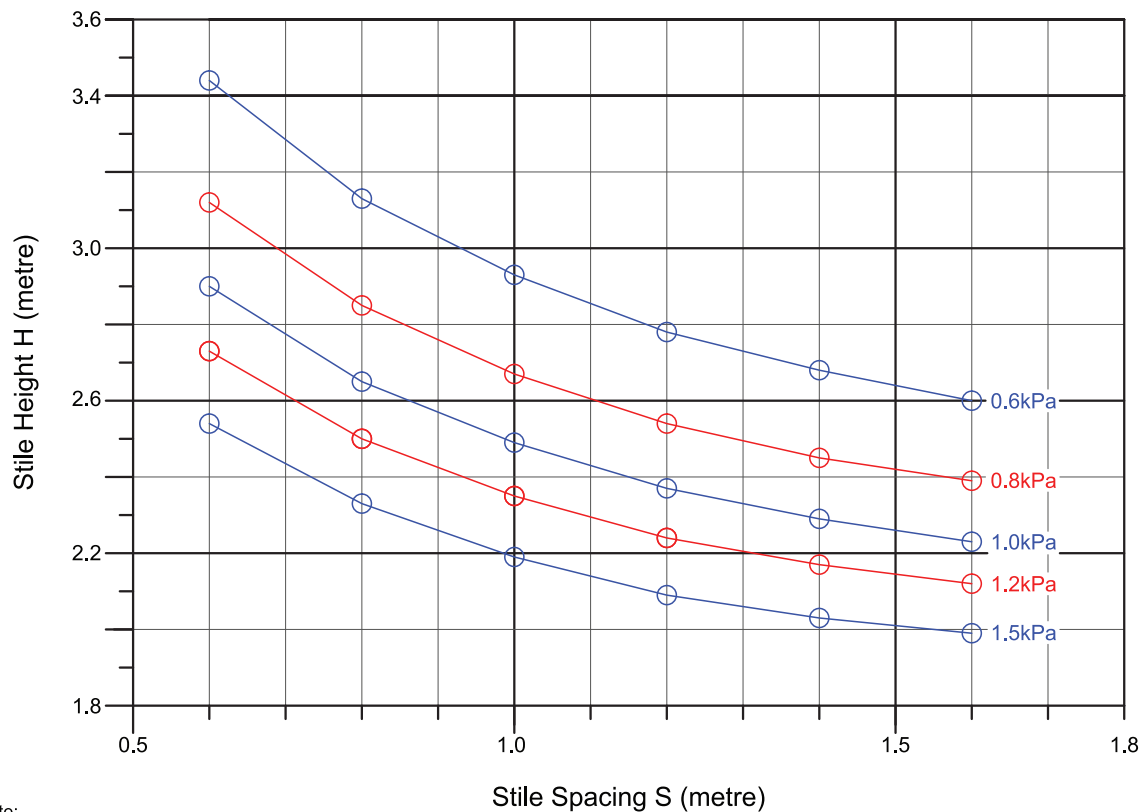
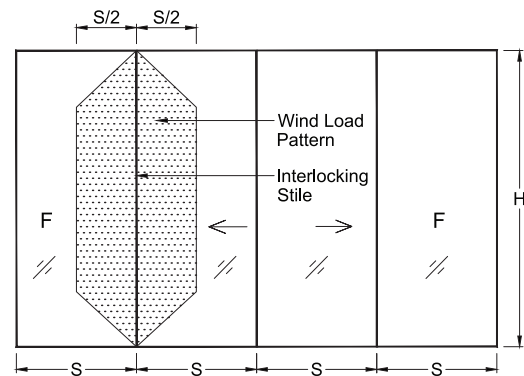
Overall moment of resistance MR_{xx} : 1189 Nm



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 : $\text{Span}_{/175}$, 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

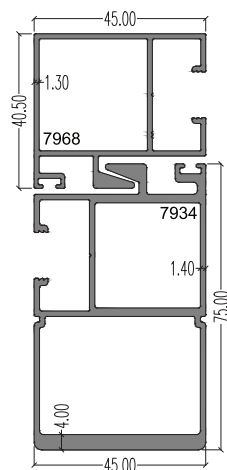
INTERLOCKING STILE

Assembly of Sections 7968 & 7934

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 50.5 cm^4

Overall moment of resistance MR_{xx} : 1062 Nm



Note:
Suffix xx denotes axis perpendicular to wind load

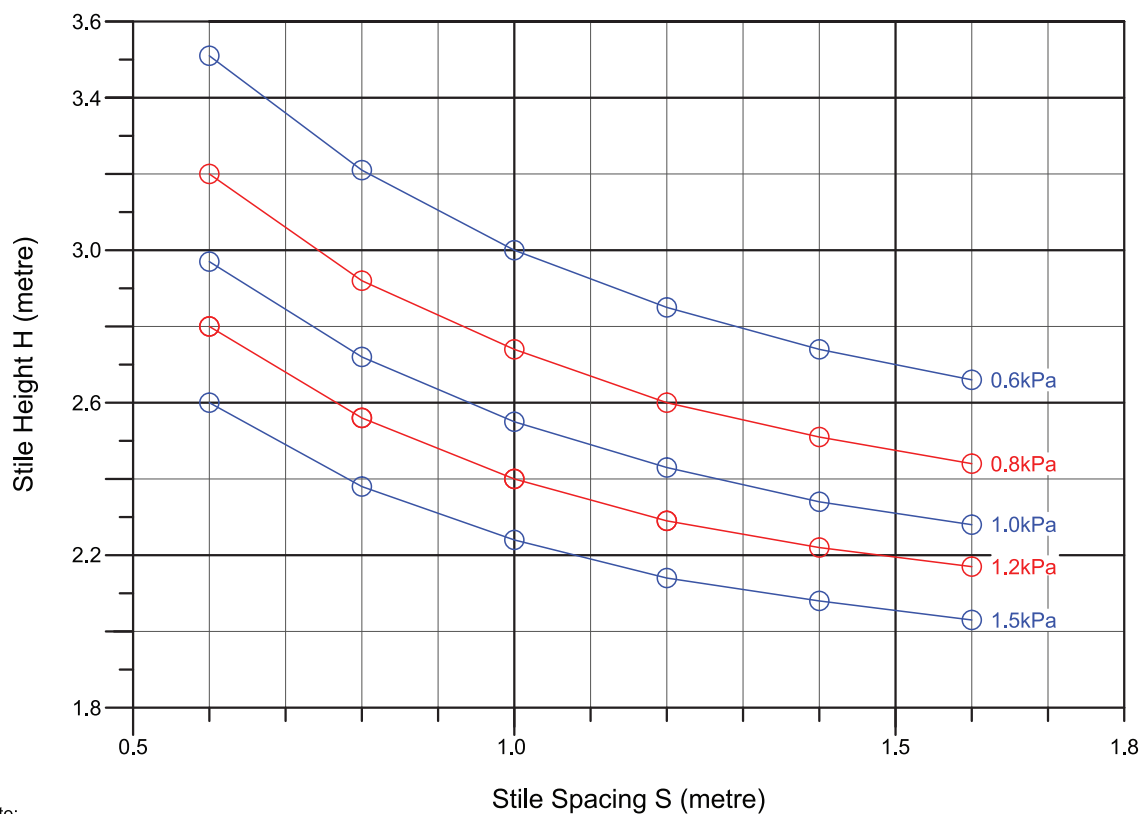
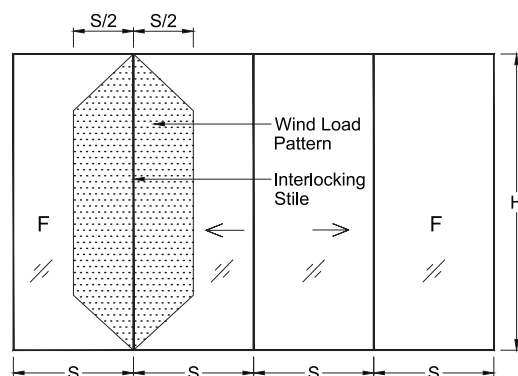
Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$

Design. bend. stress : $1.25 \times 67 \text{ MPa}$

Deflection limit : $\text{Span}/175$, 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

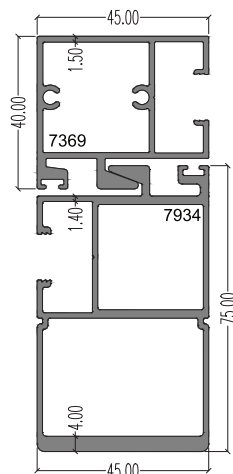
INTERLOCKING STILE

Assembly of Sections 7369 & 7934

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 51.3 cm⁴

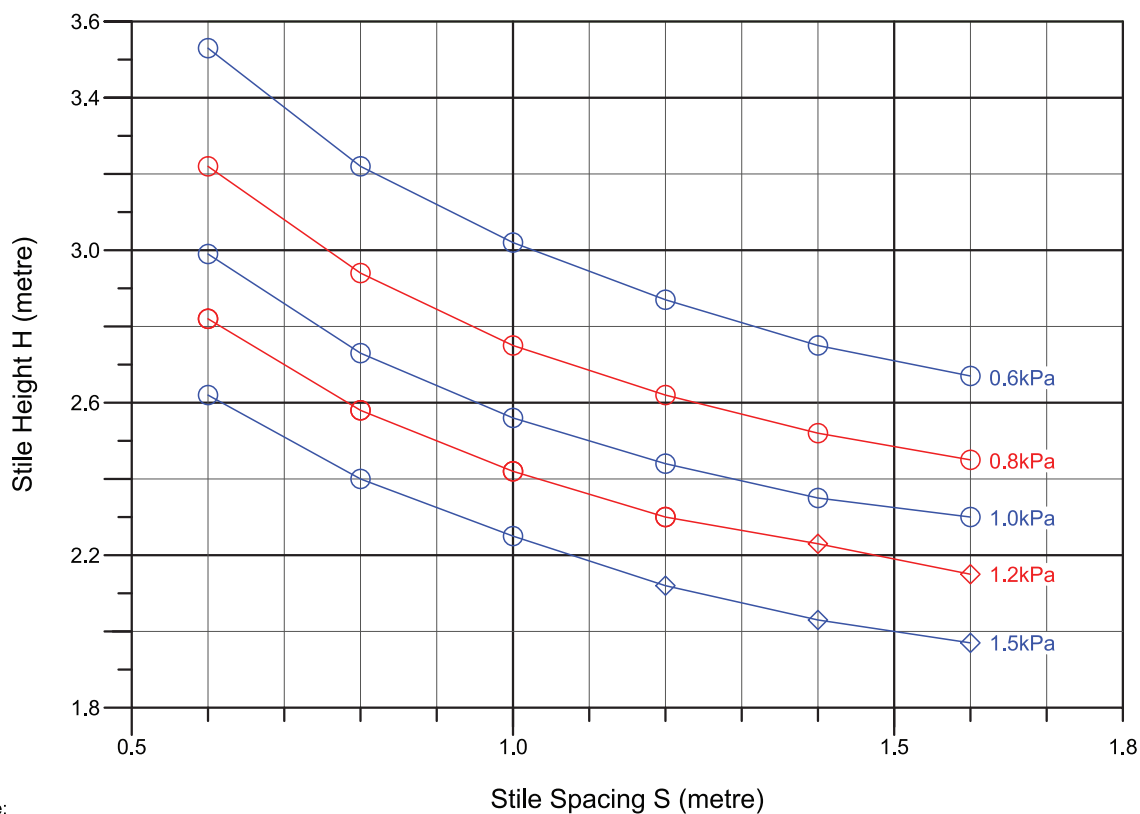
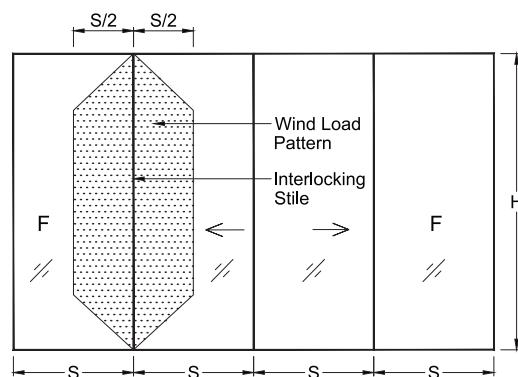
Overall moment of Resistance MR_{xx} : 1079 Nm



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 : 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

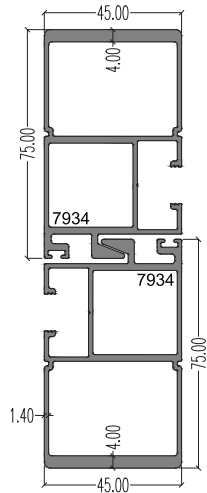
INTERLOCKING STILE

Assembly of Sections 7934 & 7934

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 89.2 cm^4

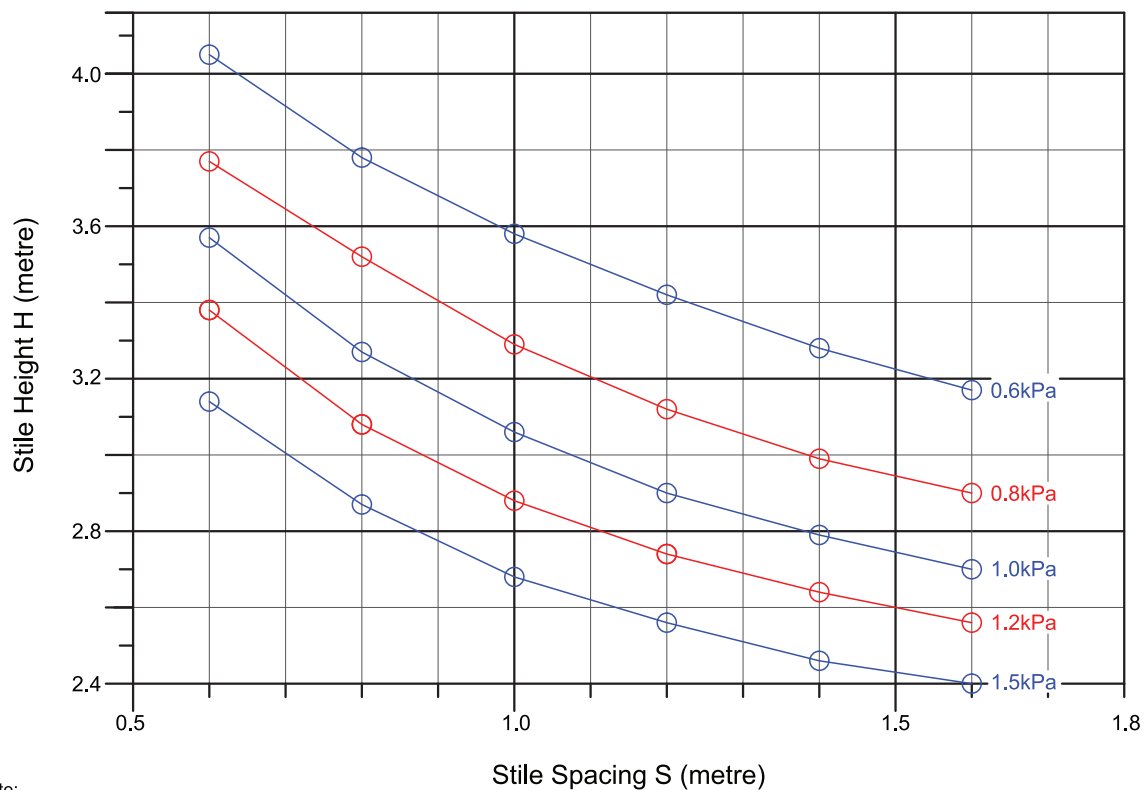
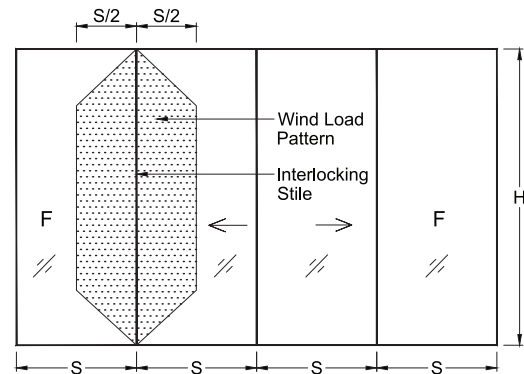
Overall moment of resistance MR_{xx} : 1876 Nm



Note:
Suffix xx denotes axis perpendicular to wind load

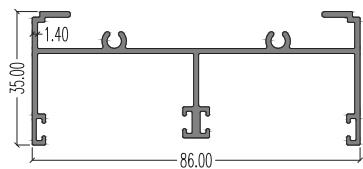
Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
Design bend. stress : $1.25 \times 67 \text{ MPa}$
Deflection limit : Span_{175} , up to max. 20mm
Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :

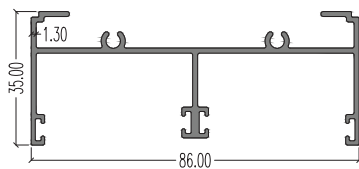


Note:
○ Deflection limit governs , ◇ Moment of resistance governs
:- Buckling has not been taken into account in this chart
:- This windload chart is solely for reference only

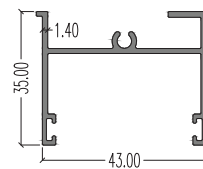
Sectional Details



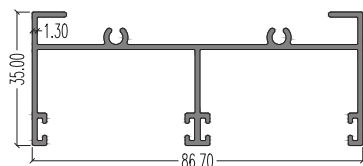
7379 (Top & Side Outer)
LW : 0.860 kg/m
AP : 468.41 mm



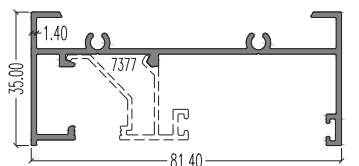
7977 (Top & Side Outer)
LW : 0.831 kg/m
AP : 466.95 mm



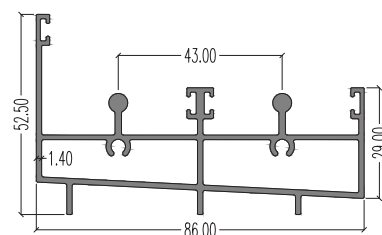
7381 (Top & Side Outer)
LW : 0.509 kg/m
AP : 282.53 mm
(For 7379 & 7977)



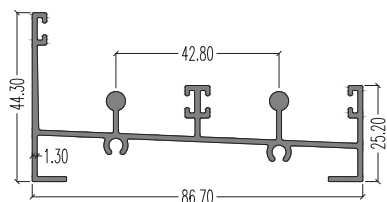
7049 (Top & Side Outer)
LW : 0.858 kg/m
AP : 474.48 mm



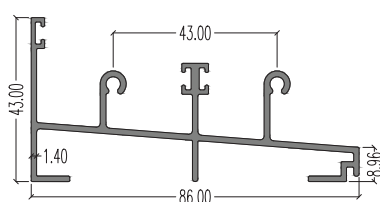
7373 (Top & Side Outer)
LW : 0.789 kg/m
AP : 408.15 mm



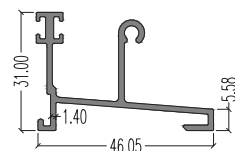
7380 (Bottom Outer)
LW : 1.343 kg/m
AP : 449.00 mm



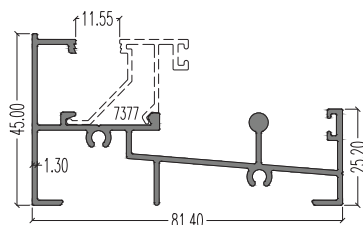
7050 (Bottom Outer)
LW : 0.984 kg/m
AP : 502.72 mm



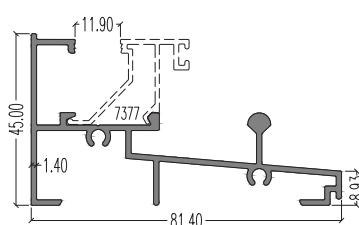
7970 (Bottom Outer)
LW : 1.012 kg/m
AP : 508.33 mm



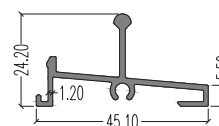
7922 (Bottom Outer)
LW : 0.548 kg/m
AP : 278.70 mm
(For 7970)



5080 (Bottom Outer)
LW : 0.941 kg/m
AP : 492.32 mm

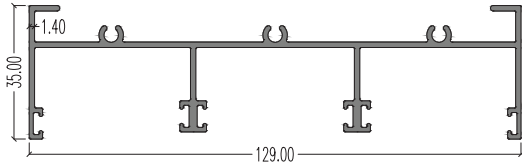


7376 (Bottom Outer)
LW : 0.916 kg/m
AP : 453.80 mm

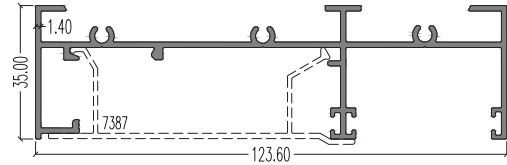


7371 (Bottom Outer)
LW : 0.381 kg/m
AP : 190.23 mm
(For 7376)

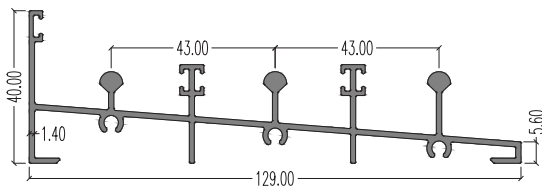
Sectional Details



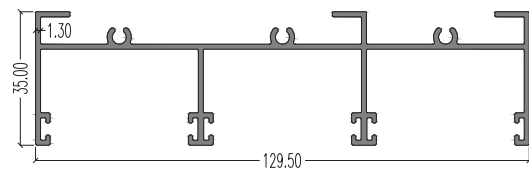
5084 (Top & Side Outer)
LW : 1.199 kg/m
AP : 628.78 mm



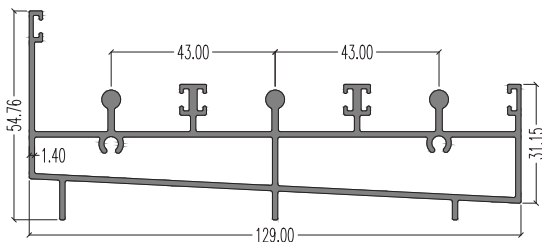
7372 (Top & Side Outer)
LW : 1.203 kg/m
AP : 628.89 mm



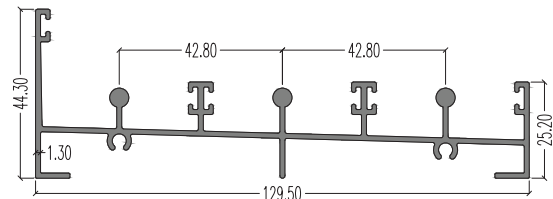
5083 (Bottom Outer)
LW : 1.361 kg/m
AP : 669.07 mm



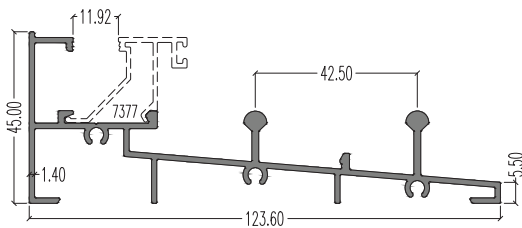
7039 (Top & Side Outer)
LW : 1.244 kg/m
AP : 685.21 mm



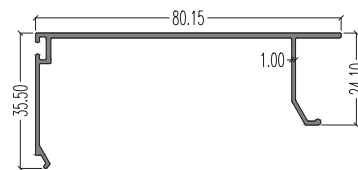
7367 (Bottom Outer)
LW : 1.922 kg/m
AP : 619.73 mm



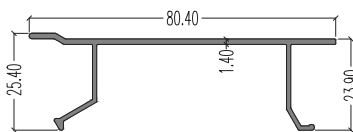
7040 (Bottom Outer)
LW : 1.352 kg/m
AP : 688.85 mm



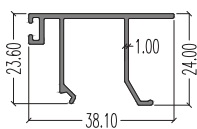
5094 (Bottom Outer)
LW : 1.263 kg/m
AP : 598.90 mm



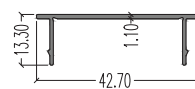
7971 (Capping)
LW : 0.461 kg/m
AP : 296.72 mm
(For 7376, 7371 & 5094)



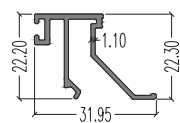
7387 (Capping)
LW : 0.474 kg/m
AP : 271.99 mm
(For 7372)



7370 (Capping)
LW : 0.306 kg/m
AP : 202.44 mm
(For 7373, 7376, 5080 & 5094)

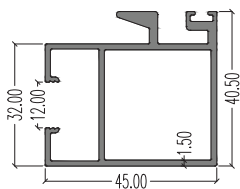


15035 (Capping)
LW : 0.187 kg/m
AP : 136.48 mm
(For 7380, 7050, 7970, 7922, 7367 & 7040)

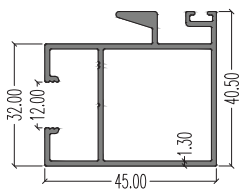


7377 (Beading)
LW : 0.270 kg/m
AP : 169.81 mm
(For 7373, 7376, 5080, 7372 & 5094)

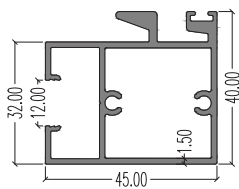
Sectional Details



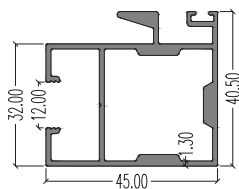
7365 (Interlock)
 LW : 0.865 kg/m
 AP : 291.61 mm
 Ixx : 6.577 cm⁴
 Iyy : 6.850 cm⁴



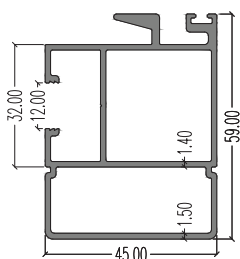
7968 (Interlock)
 LW : 0.769 kg/m
 AP : 296.11 mm
 Ixx : 5.911 cm⁴
 Iyy : 6.241 cm⁴



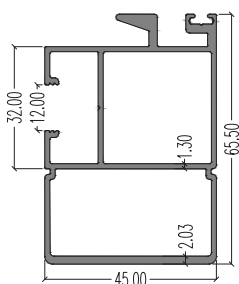
7369 (Interlock)
 LW : 0.955 kg/m
 AP : 290.06 mm
 Ixx : 6.725 cm⁴
 Iyy : 7.448 cm⁴



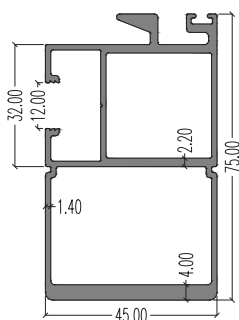
7969 (Interlock)
 LW : 0.940 kg/m
 AP : 295.67 mm
 Ixx : 6.771 cm⁴
 Iyy : 7.108 cm⁴



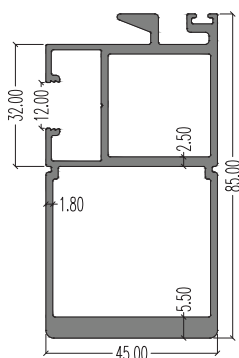
5135 (Interlock)
 LW : 1.175 kg/m
 AP : 333.44 mm
 Ixx : 17.37 cm⁴
 Iyy : 10.45 cm⁴



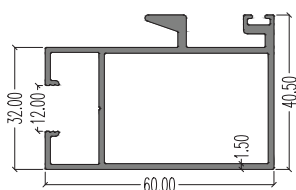
5125 (Interlock)
 LW : 1.230 kg/m
 AP : 345.61 mm
 Ixx : 23.47 cm⁴
 Iyy : 11.12 cm⁴



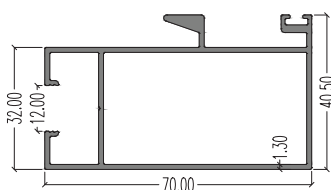
7934 (Interlock)
 LW : 1.705 kg/m
 AP : 362.45 mm
 Ixx : 44.68 cm⁴
 Iyy : 14.60 cm⁴



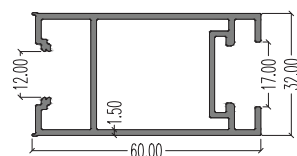
5155 (Interlock)
 LW : 2.144 kg/m
 AP : 381.75 mm
 Ixx : 71.68 cm⁴
 Iyy : 18.93 cm⁴



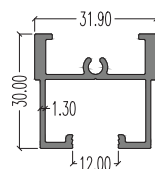
7924 (Interlock)
 LW : 0.987 kg/m
 AP : 321.83 mm
 Ixx : 7.728 cm⁴
 Iyy : 14.39 cm⁴



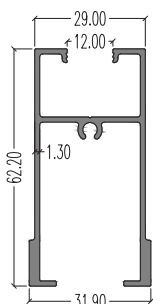
7980 (Interlock)
 LW : 0.957 kg/m
 AP : 346.63 mm
 Ixx : 7.689 cm⁴
 Iyy : 19.52 cm⁴



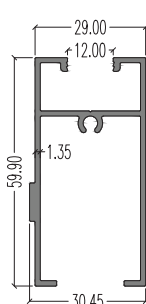
5087 (Side Inner)
 LW : 0.912 kg/m
 AP : 311.28 mm
 (For Multipoint Locking)



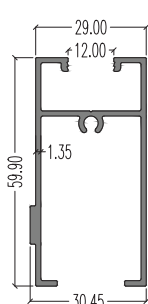
7375 (Top Inner)
 LW : 0.534 kg/m
 AP : 237.44 mm



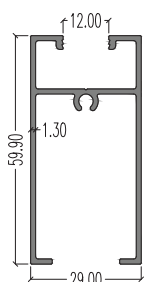
7978 (Bottom Inner)
 LW : 0.759 kg/m
 AP : 375.53 mm



7374 (Bottom Inner)
 LW : 0.707 kg/m
 AP : 365.50 mm

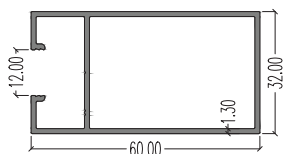


7384 (Bottom Inner)
 LW : 0.708 kg/m
 AP : 364.81 mm

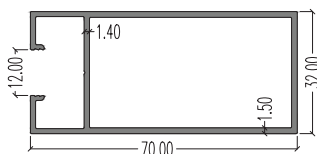


7966 (Bottom Inner)
 LW : 0.652 kg/m
 AP : 362.31 mm

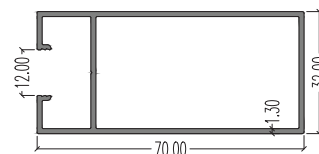
Sectional Details



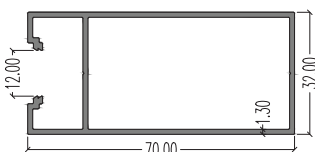
7967 (Side Inner)
LW : 0.707 kg/m
AP : 254.89 mm



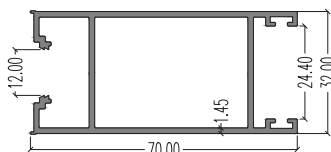
7366 (Side Inner)
LW : 0.859 kg/m
AP : 274.34 mm



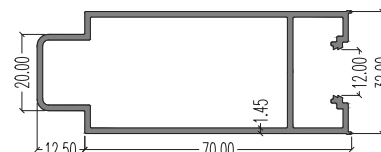
7979 (Side Inner)
LW : 0.776 kg/m
AP : 274.48 mm



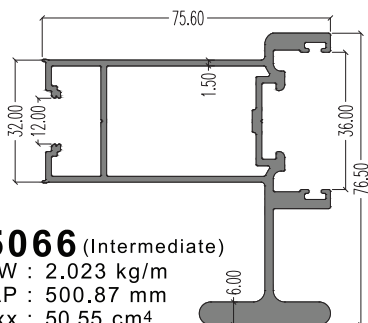
5010 (Side Inner)
LW : 0.783 kg/m
AP : 276.13 mm



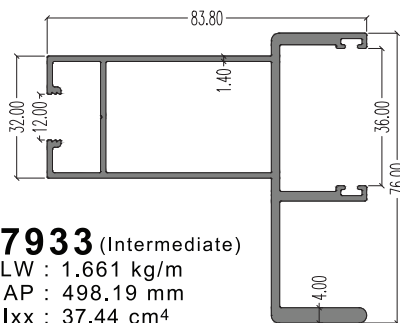
7935 (Intermediate)
LW : 0.904 kg/m
AP : 330.66 mm



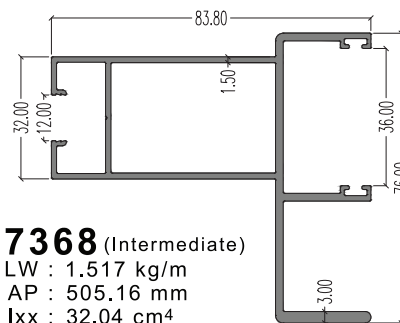
7936 (Intermediate)
LW : 0.953 kg/m
AP : 301.91 mm
(For 7935)



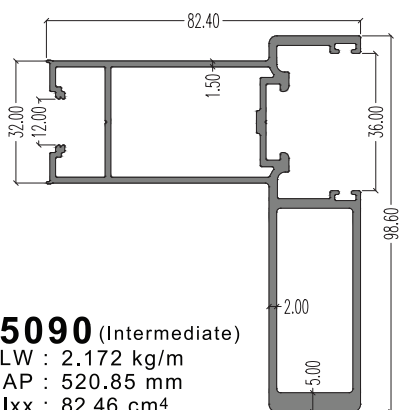
5066 (Intermediate)
LW : 2.023 kg/m
AP : 500.87 mm
Ixx : 50.55 cm⁴
Iyy : 32.88 cm⁴



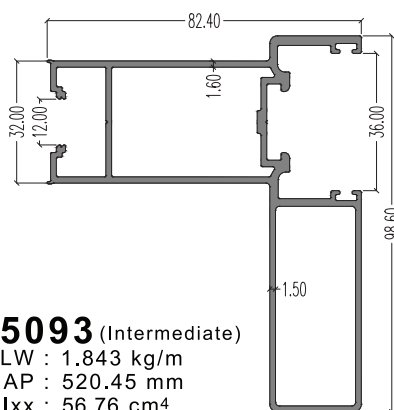
7933 (Intermediate)
LW : 1.661 kg/m
AP : 498.19 mm
Ixx : 37.44 cm⁴
Iyy : 37.09 cm⁴



7368 (Intermediate)
LW : 1.517 kg/m
AP : 505.16 mm
Ixx : 32.04 cm⁴
Iyy : 34.26 cm⁴



5090 (Intermediate)
LW : 2.172 kg/m
AP : 520.85 mm
Ixx : 82.46 cm⁴
Iyy : 45.98 cm⁴
(For CK & DSD Lock)



5093 (Intermediate)
LW : 1.843 kg/m
AP : 520.45 mm
Ixx : 56.76 cm⁴
Iyy : 41.84 cm⁴
(For CK & DSD Lock)

Accessories

Door Locksets



CKP8005



CK83
Single



CKP8005



CK84
Double



DSD9002



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



SLD109K with Key
(with Lockbar & Keeper)

Roller



RL006
(Rating: 65kg/panel)

RL007
(Rating: 100kg/panel)

Flush Locks

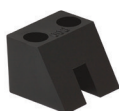


R5
Without Key



R6
With Key

Stopper



003

Hole Plugs



001 (PVC)

Woolpile



5 x 7
(300m/roll)



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