



ALBEPorta®



Performance Sliding Door **PSD01**

Designed and tested according to MS1017



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

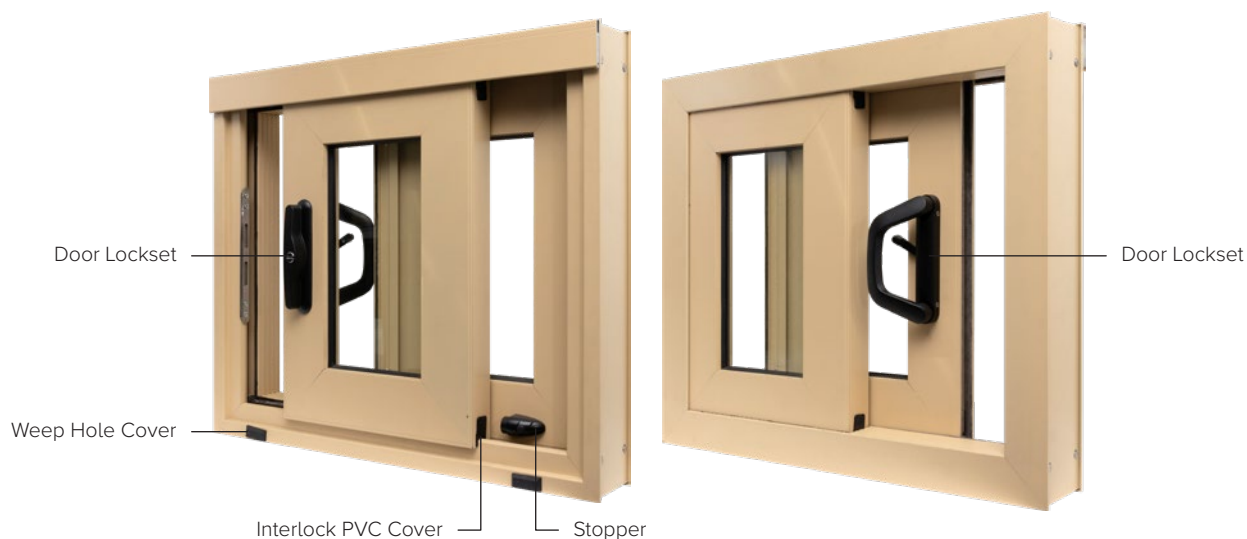
Easy Fabrication
Least Profiles Members
European Accessories

Performance Test

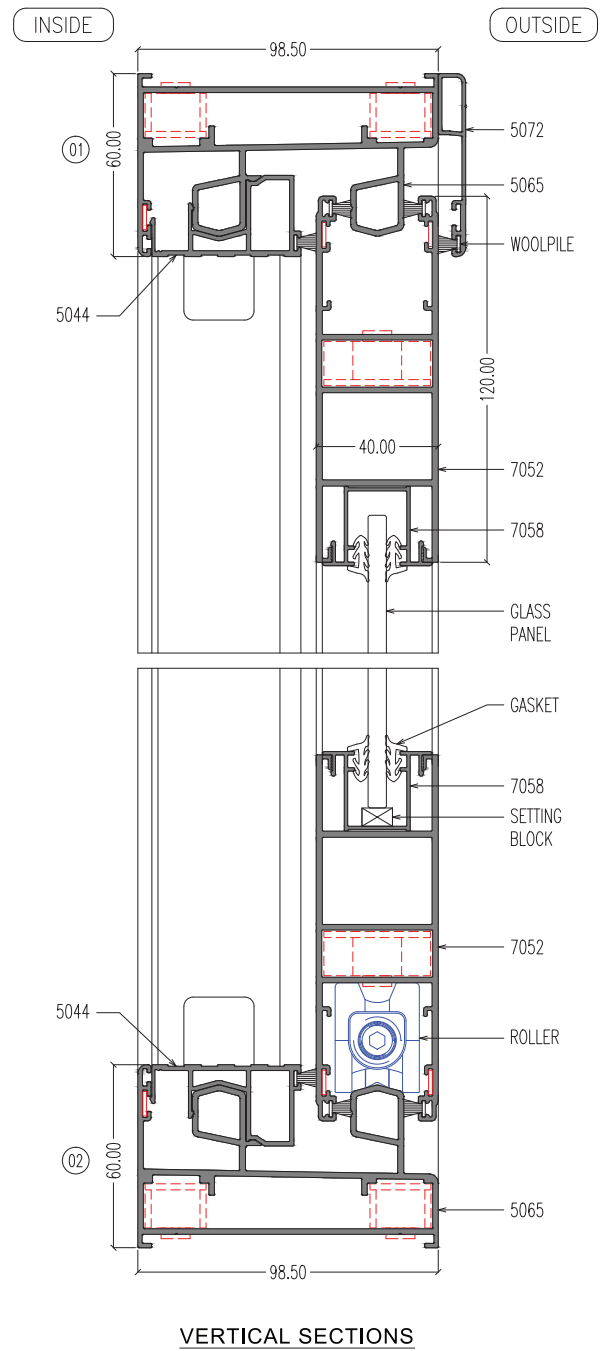
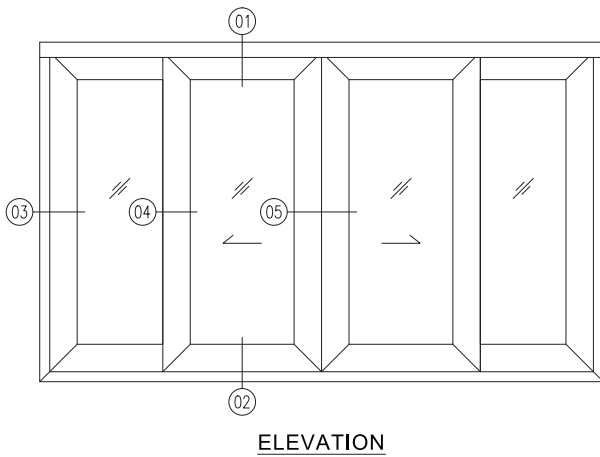
This sliding door suite had been tested in compliance to MS 1017:2022 performance test procedure for:

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

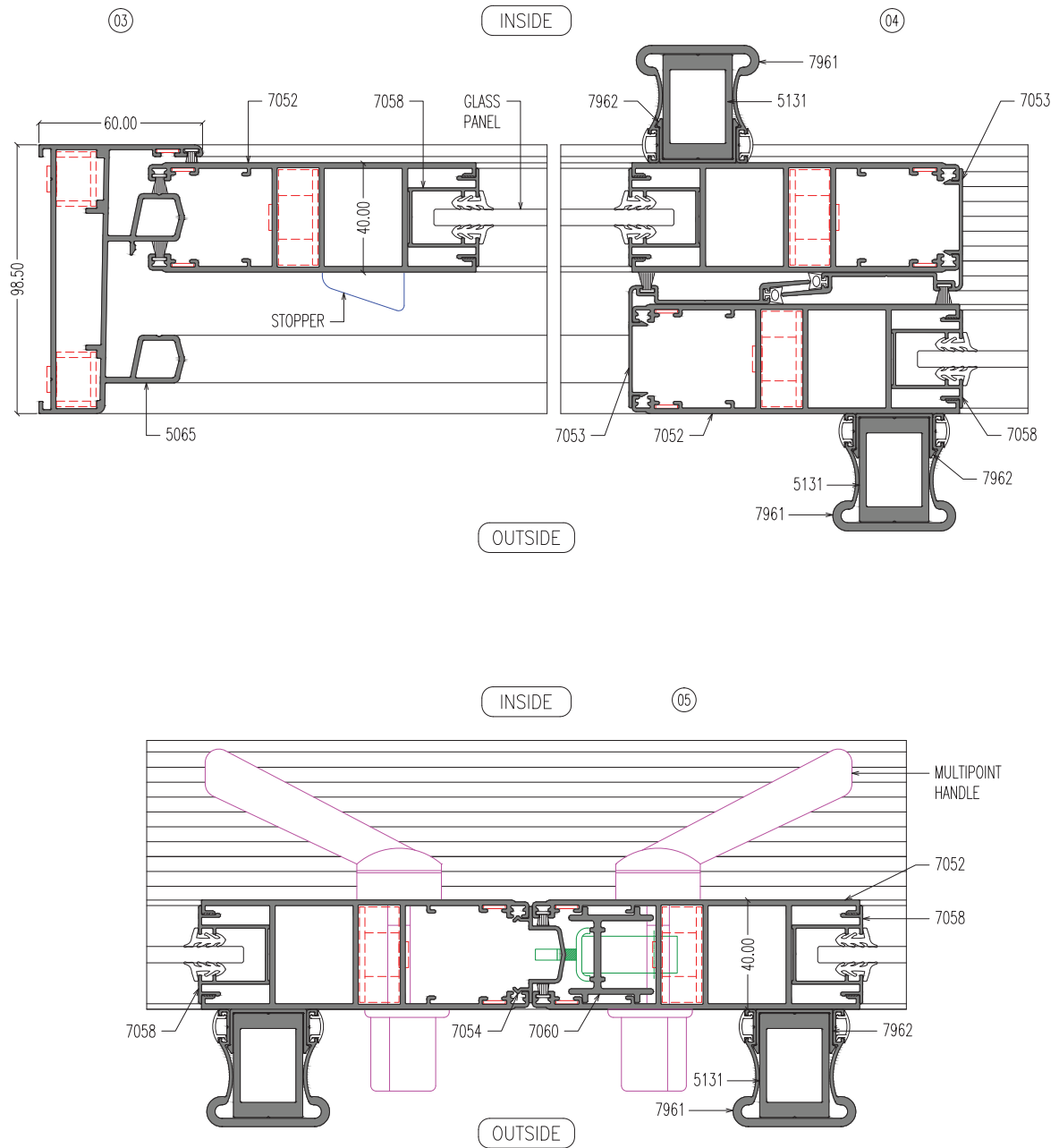
Note: Test report available upon request.



Typical Assembly Details

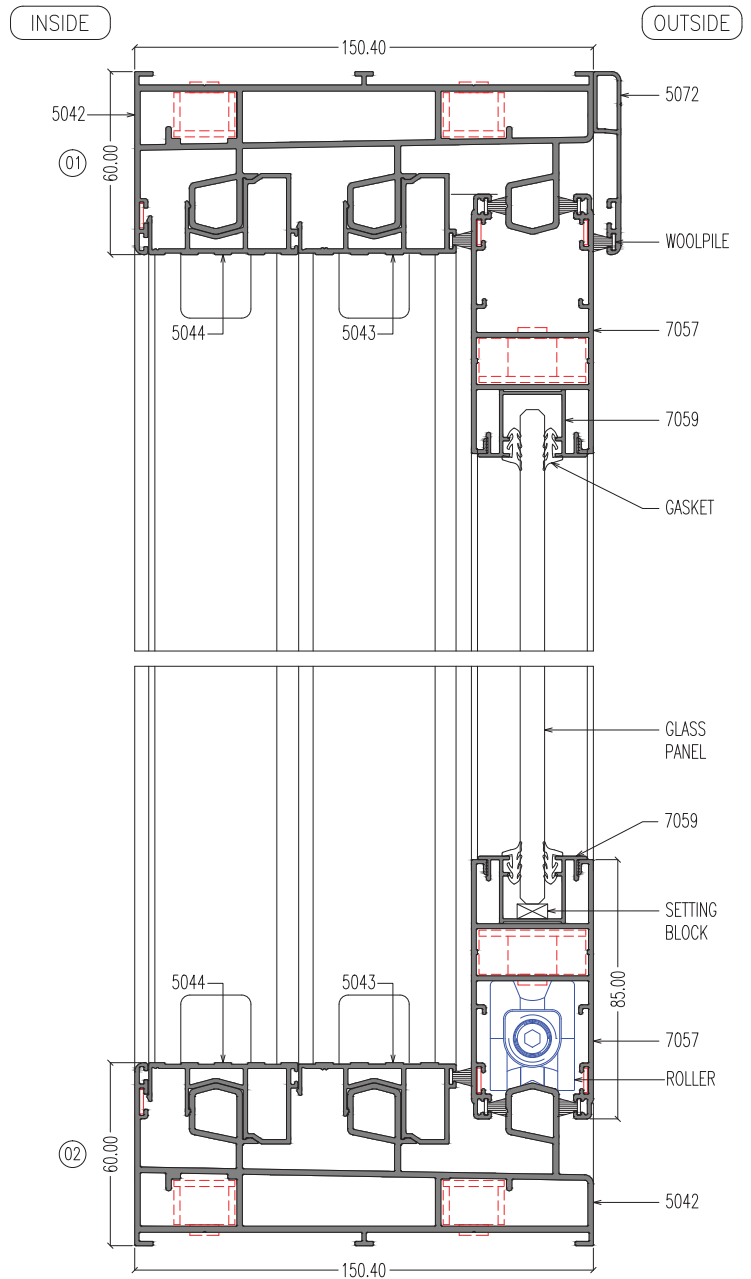
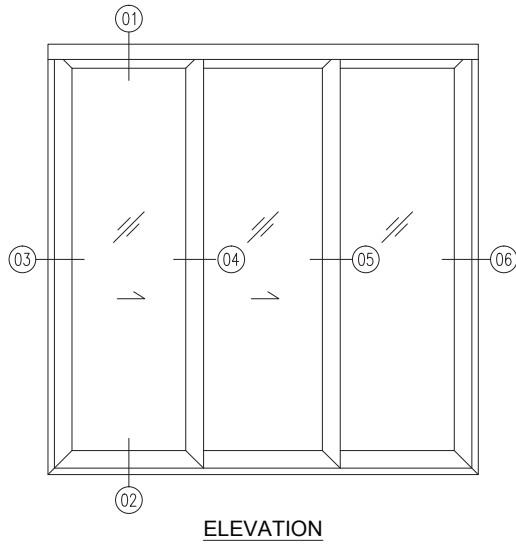


Typical Assembly Details

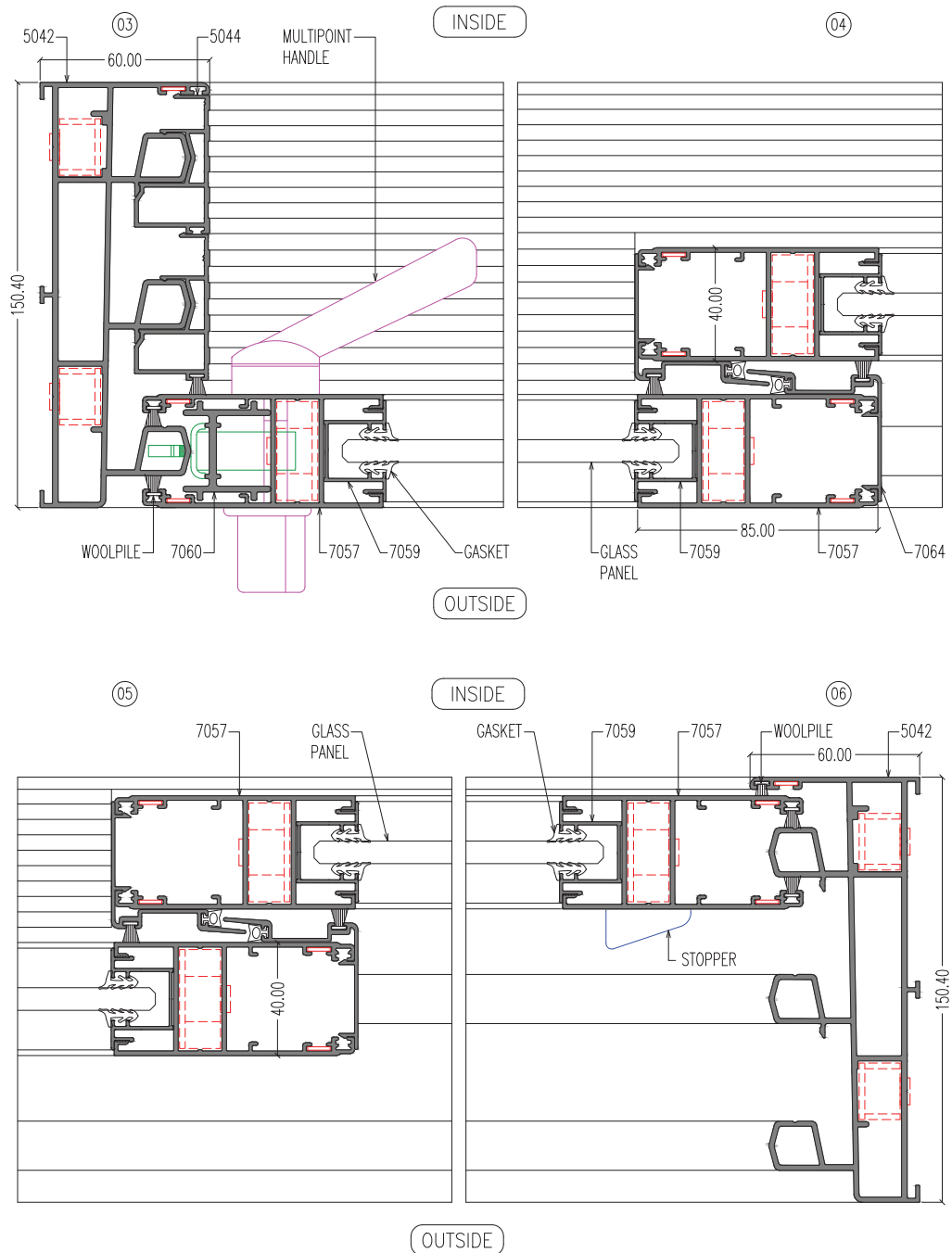


HORIZONTAL SECTIONS

Typical Assembly Details

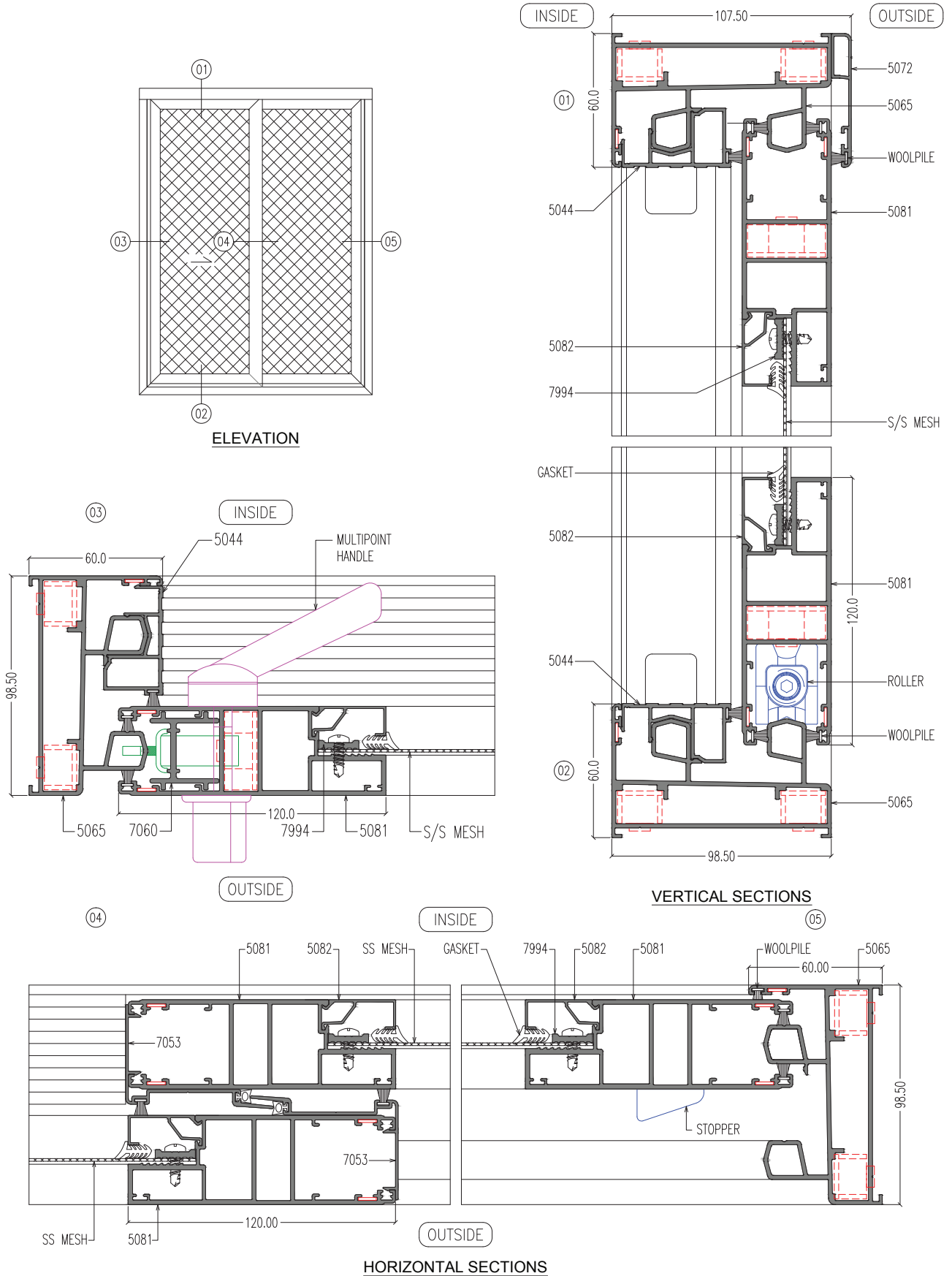


Typical Assembly Details

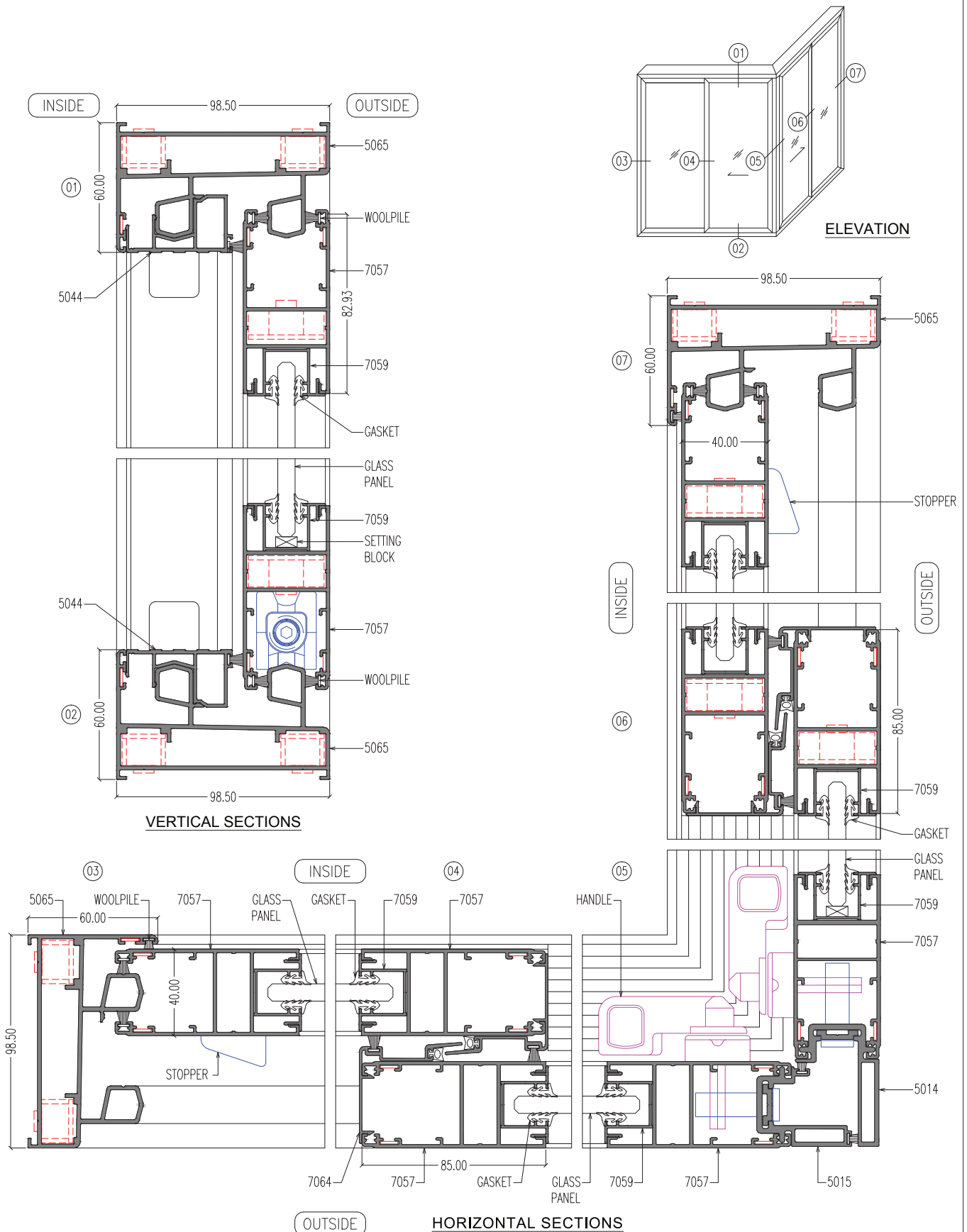


HORIZONTAL SECTIONS

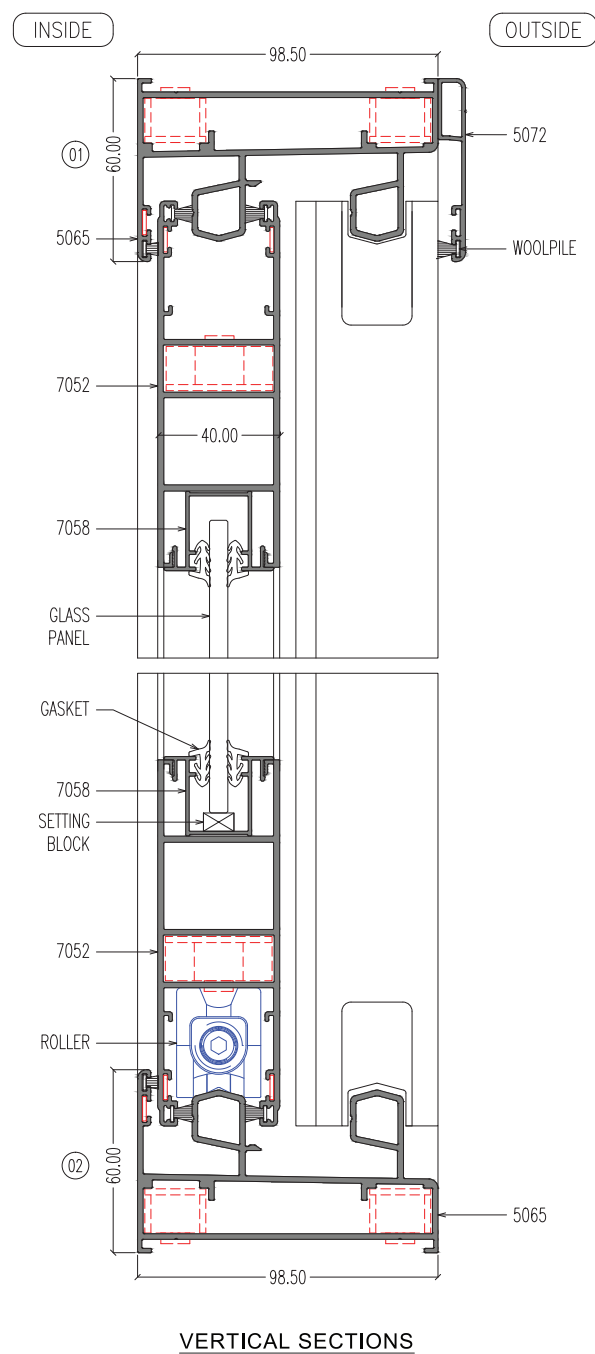
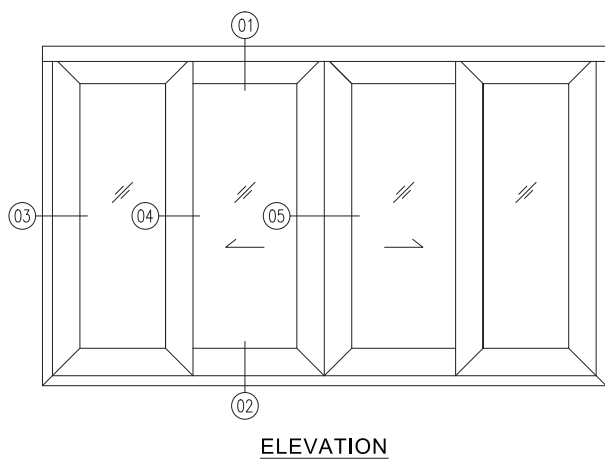
Typical Assembly Details



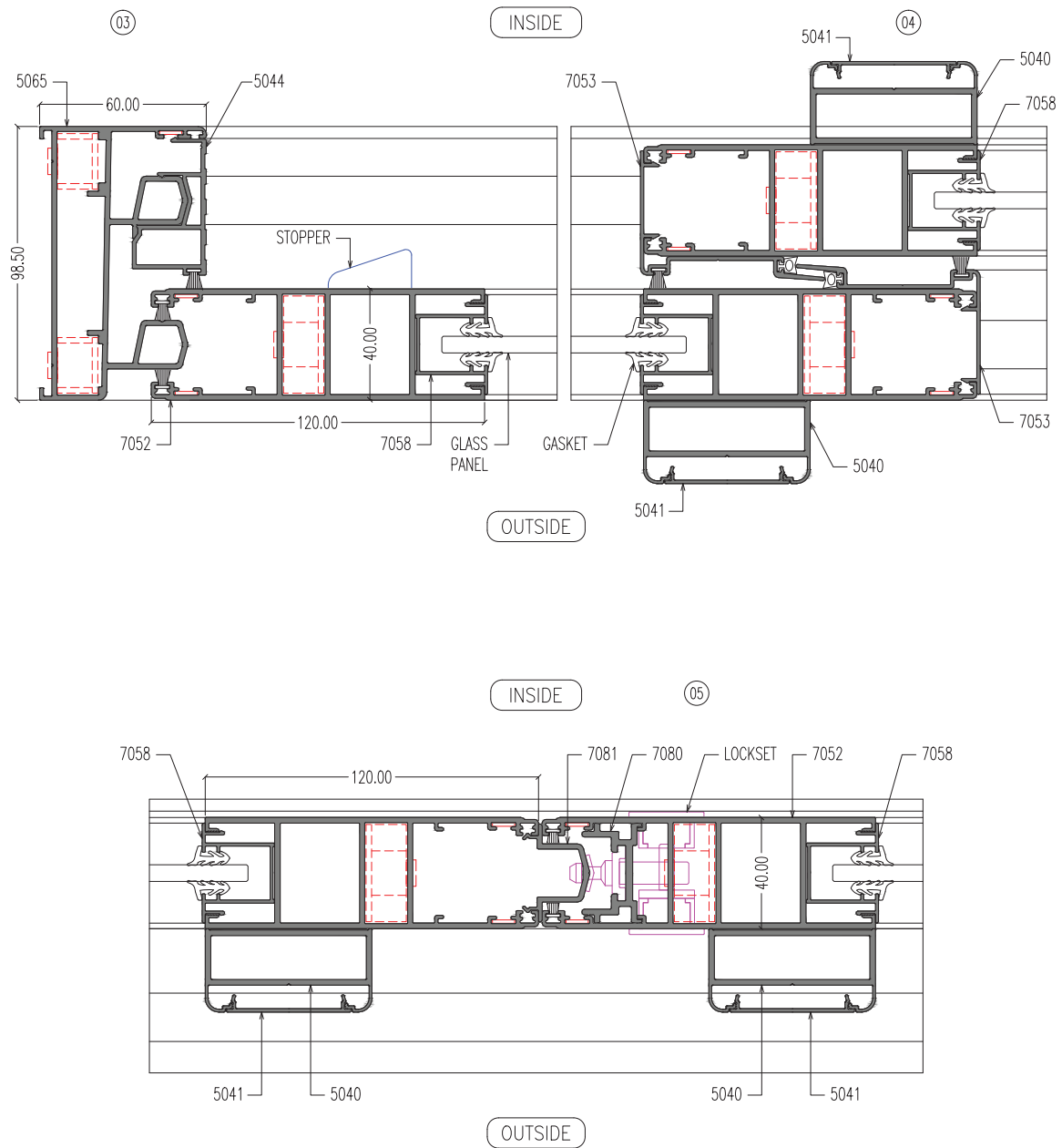
Typical Assembly Details



Typical Assembly Details



Typical Assembly Details



HORIZONTAL SECTIONS

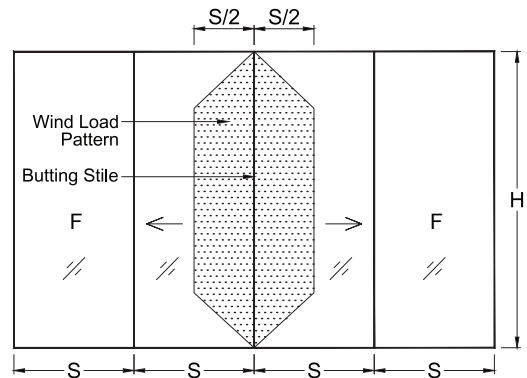
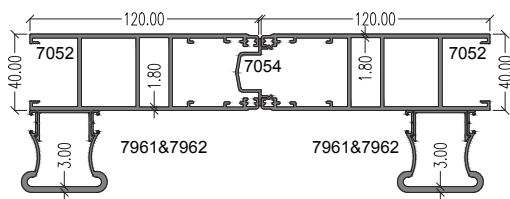
Wind Load Chart

BUTTING STILE

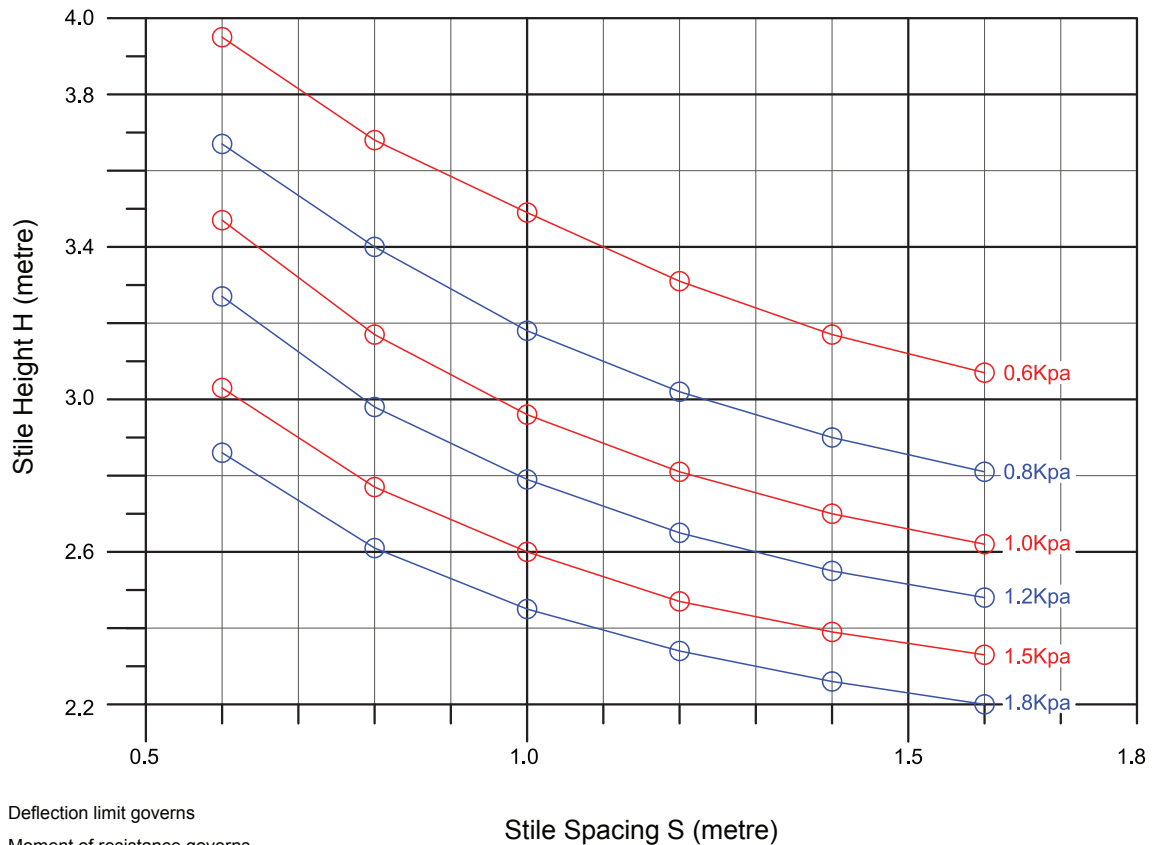
Assembly of Sections 7052x2, 7054x2, 7961x2 & 7962x2
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 80.5 cm⁴
 Overall moment of Resistance MR_{xx} : 2044 n-m

Mod. of elasticity : 70×10^9 N/m²
 Design bend. stress : 1.25×67^6 N/m²
 Deflection limit : $\frac{Span}{175}$, 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

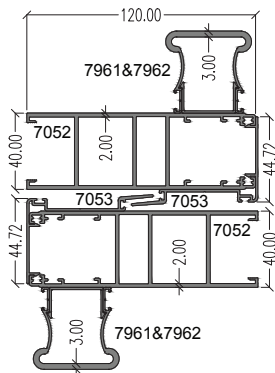
INTERLOCKING STILE

Assembly of Sections 7052x2, 7053x2, 7961x2 & 7962x2

Alum. alloy : 6063-T5

Overall moment of inertia I_{xx} : 116.0 cm⁴

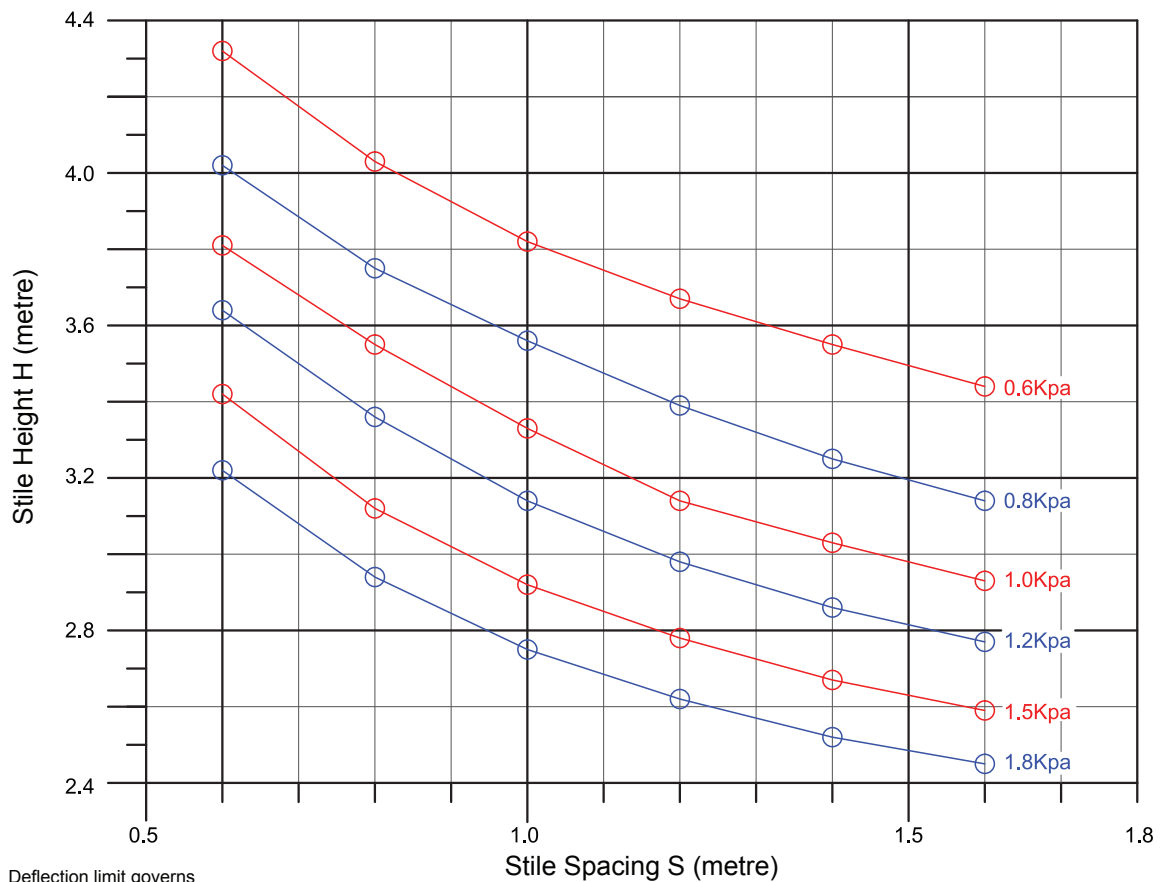
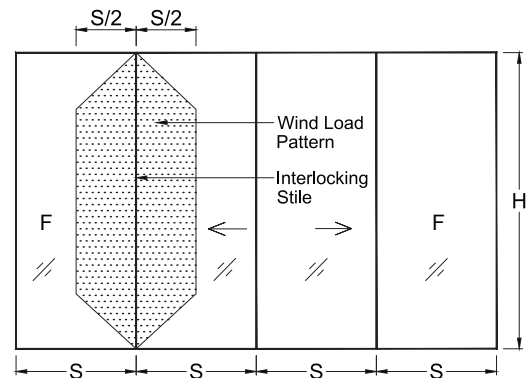
Overall moment of Resistance MR_{xx} : 2104 n-m



Note:
Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
Design bend. stress : $1.25 \times 67^6 \text{ N/m}^2$
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

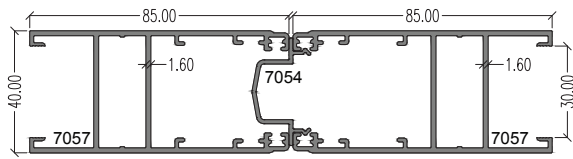
- Buckling has not been taken into account in this chart

- This windload chart is solely for reference only

Wind Load Chart

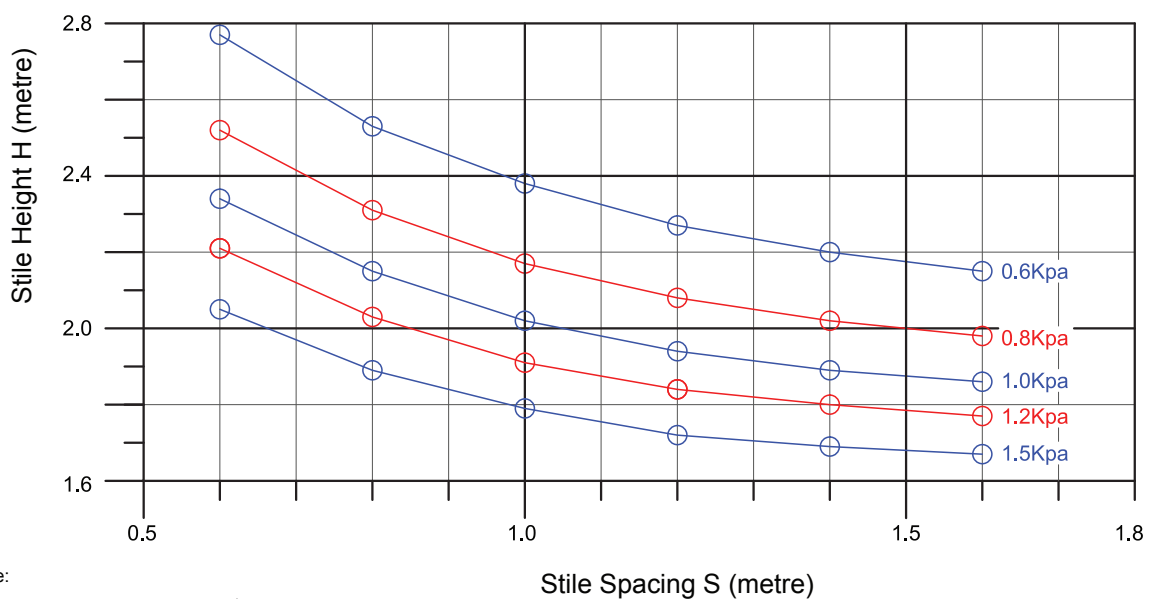
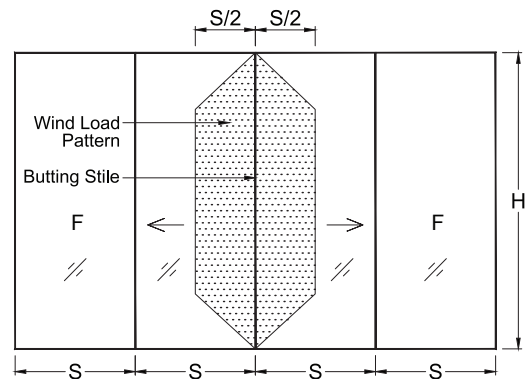
BUTTING STILE - Assembly of Sections 7057x2 & 7054
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 24.4 cm⁴
 Overall moment of Resistance MR_{xx} : 1105 n-m

Mod. of elasticity : 70×10^9 N/m²
 Design bend. stress : 1.25×67^6 N/m²
 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 :



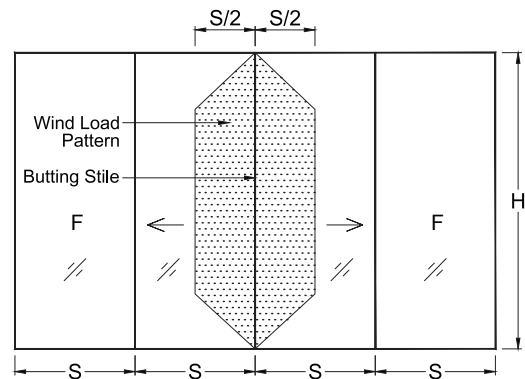
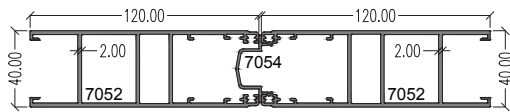
Note:
 ○ Deflection limit governs ◇ Moment of resistance governs
 :- Buckling has not been taken into account in this chart
 :- This windload chart is solely for reference only

Wind Load Chart

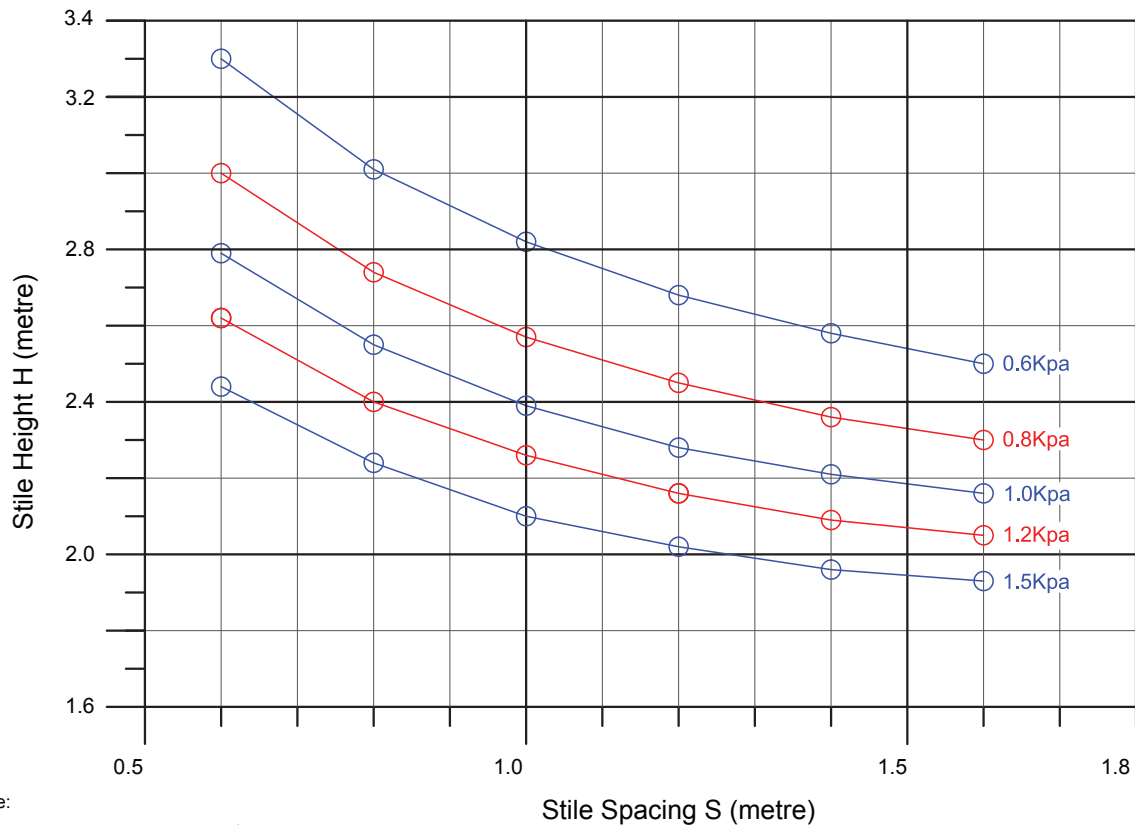
BUTTING STILE - Assembly of Sections 7052x2 & 7054
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 41.4 cm⁴
 Overall moment of Resistance MR_{xx} : 1725 n-m

Mod. of elasticity : 70×10^9 N/m²
 Design bend. stress : 1.25×67^6 N/m²
 Deflection limit : $\frac{Span}{175}$, 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



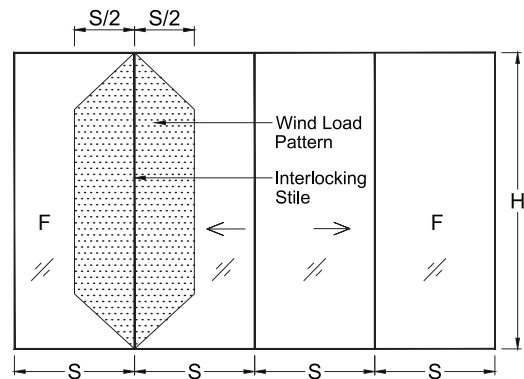
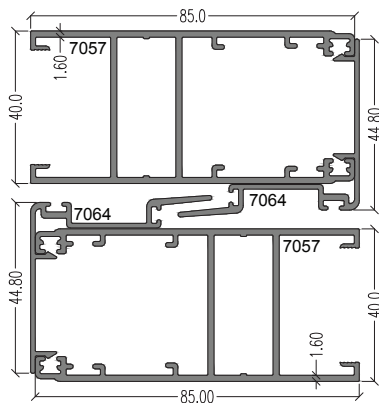
Note:
 ○ Deflection limit governs ◇ Moment of resistance governs
 :- Buckling has not been taken into account in this chart
 :- This windload chart is solely for reference only

Wind Load Chart

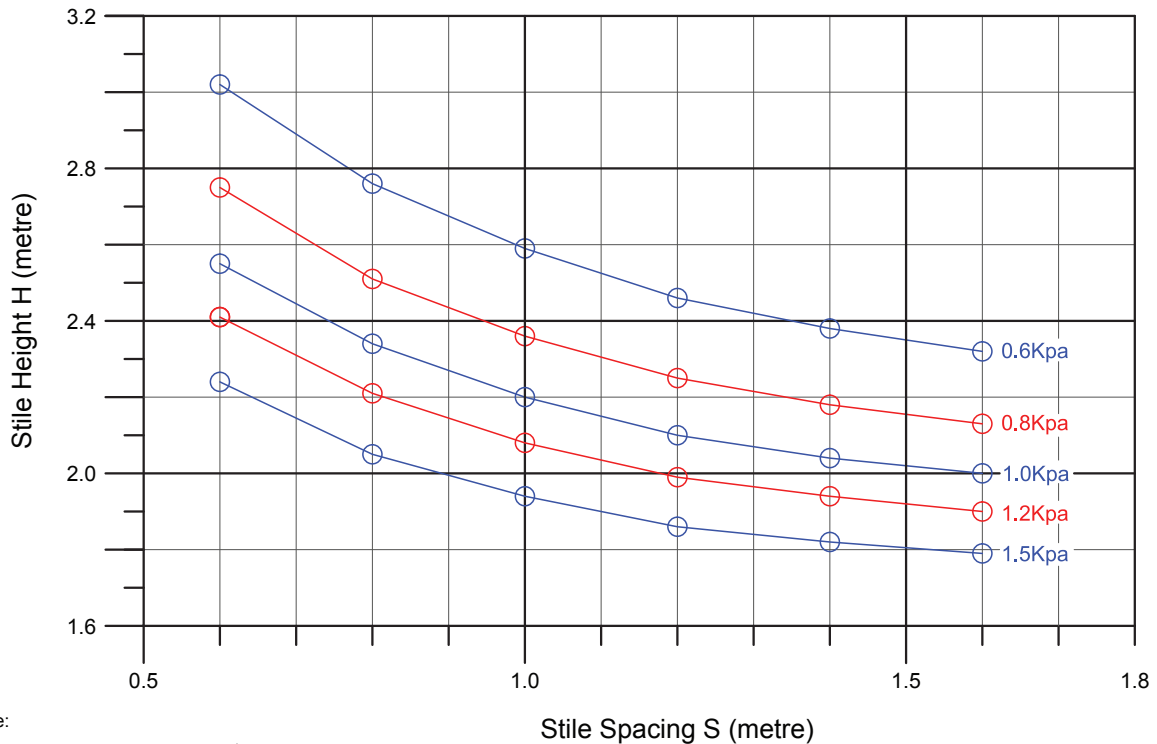
INTERLOCKING STILE - Assembly of Sections 7057x2 & 7064x2
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 31.8 cm^4
 Overall moment of Resistance MR_{xx} : 1239 n-m

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

Typical configuration of sliding door :



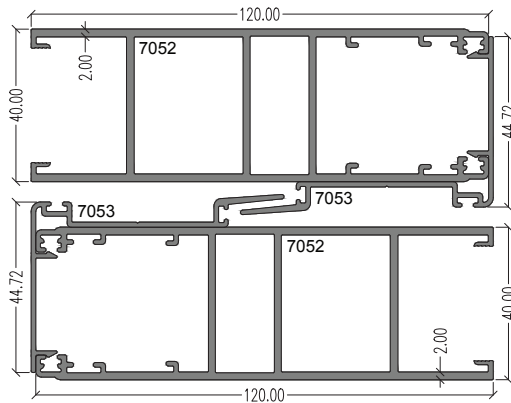
Note:
 Suffix xx denotes axis perpendicular to wind load



Wind Load Chart

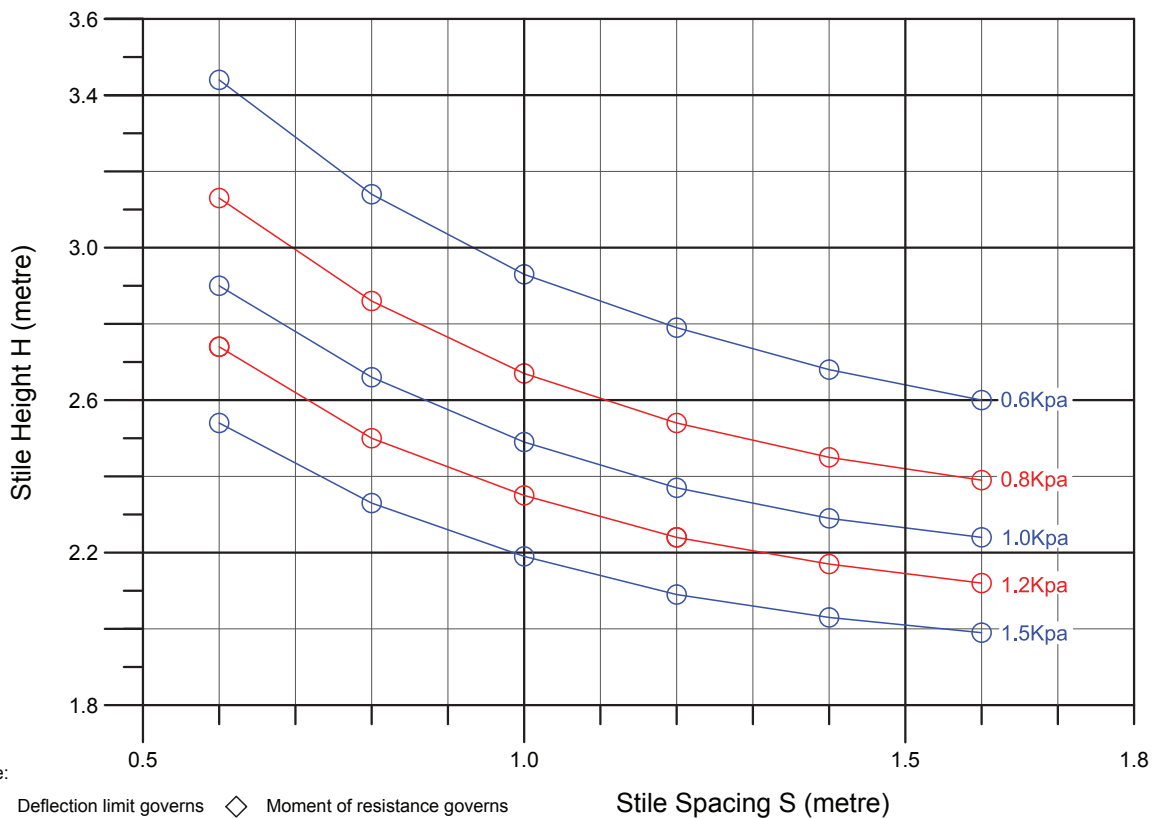
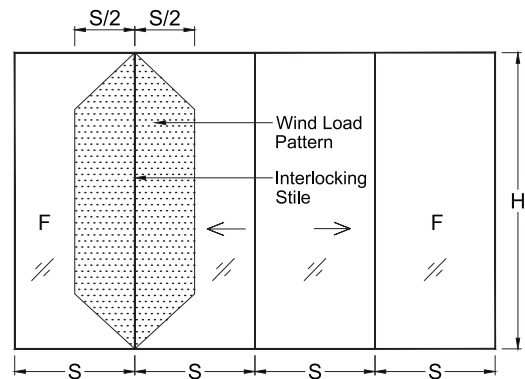
INTERLOCKING STILE - Assembly of Sections 7052x2 & 7053x2
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 47.0 cm⁴
 Overall moment of Resistance MR_{xx} : 1864 n-m

Mod. of elasticity : 70×10^9 N/m²
 Design bend. stress : 1.25×67^6 N/m²
 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 :



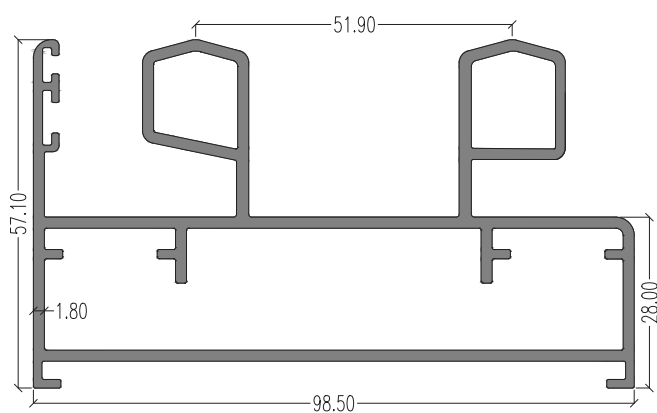
Note:

○ Deflection limit governs ◇ Moment of resistance governs

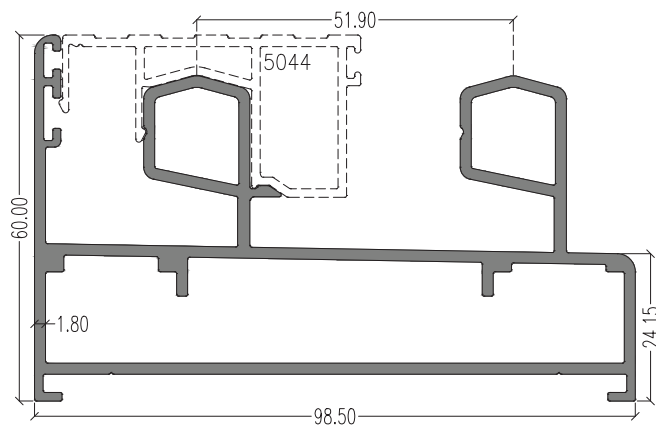
- Buckling has not been taken into account in this chart

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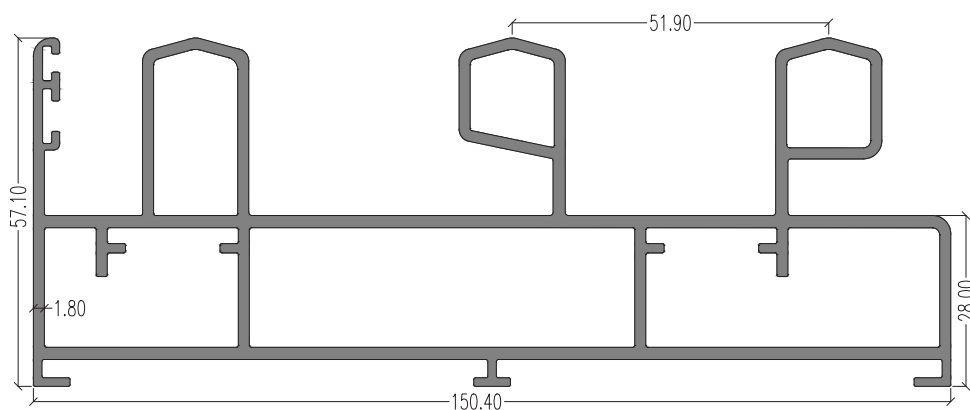
Sectional Details



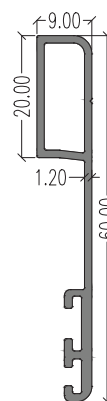
7051 (Outer)
LW : 2.200 kg/m
AP : 529.16 mm



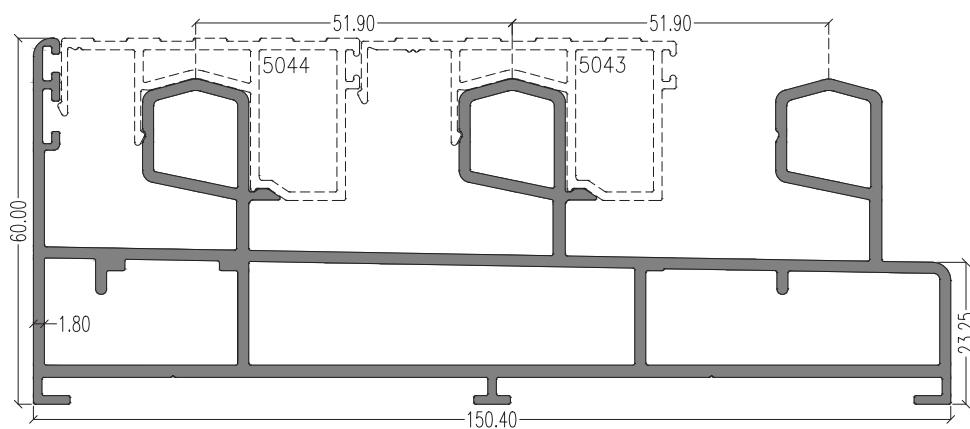
5065 (Outer)
LW : 2.199 kg/m
AP : 528.25 mm



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

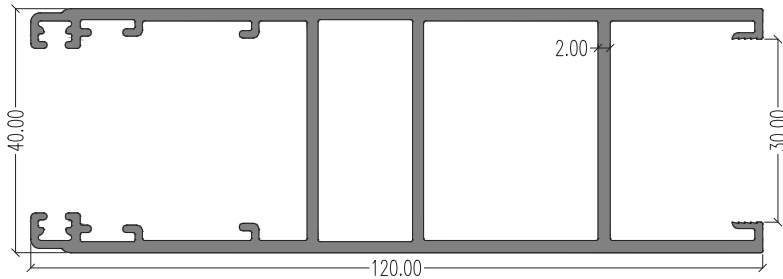


5072 (Cover Outer)
LW : 0.371 kg/m
AP : 163.21 mm

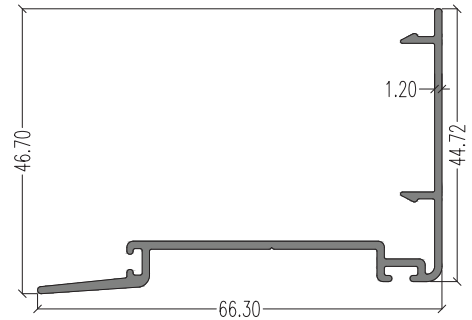


5042 (Outer)
LW : 3.311 kg/m
AP : 745.90 mm

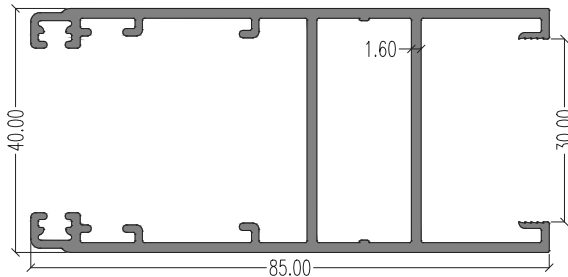
Sectional Details



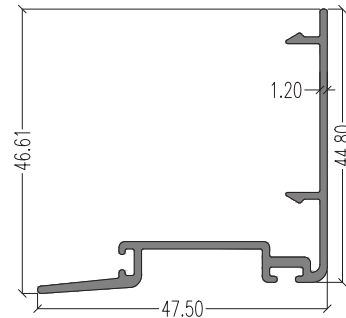
7052 (Inner)
 LW : 1.994 kg/m
 AP : 568.53 mm
 Ixx : 20.71 cm⁴
 Iyy : 82.02 cm⁴



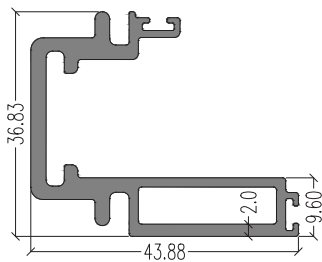
7053 (Interlock)-For 7052
 LW : 0.472 kg/m
 AP : 276.69 mm
 Ixx : 2.793 cm⁴
 Iyy : 8.261 cm⁴



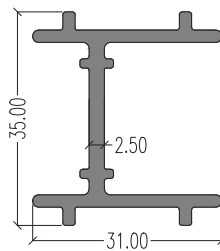
7057 (Inner)
 LW : 1.258 kg/m
 AP : 496.13 mm
 Ixx : 13.23 cm⁴
 Iyy : 27.10 cm⁴



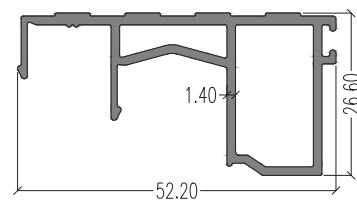
7064 (Interlock)-For 7057
 LW : 0.413 kg/m
 AP : 238.68 mm
 Ixx : 2.741 cm⁴
 Iyy : 3.340 cm⁴



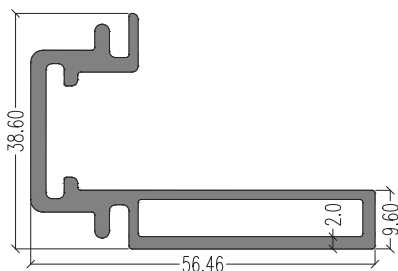
5015 (Corner Joint)
 LW : 0.849 kg/m
 AP : 245.62 mm



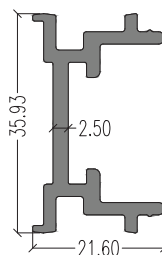
7060 (For Lock)
 LW : 0.592 kg/m
 AP : 201.48 mm
 (For CK & DSD Lock)



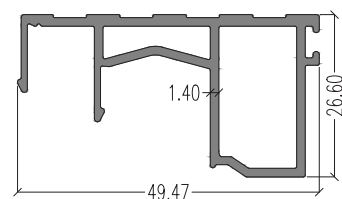
5043 (Capping)-For 5042
 LW : 0.617 kg/m
 AP : 200.58 mm



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

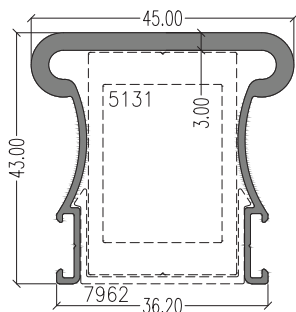


7080 (For Lock)
 LW : 0.528 kg/m
 AP : 178.30 mm
 (For SLD109K Lock)

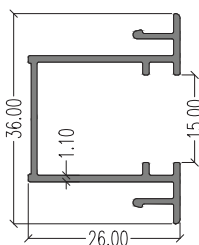


5044 (Capping)-For 5042, 5065
 LW : 0.616 kg/m
 AP : 199.71 mm

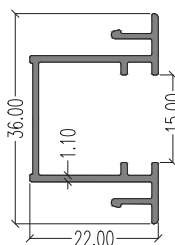
Sectional Details



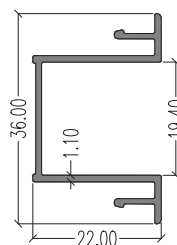
7961 (Reinforcement)
LW : 0.757 kg/m
AP : 292.13 mm
Ixx : 4.594 cm⁴
Iyy : 6.218 cm⁴



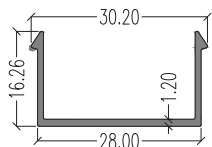
7058 (For 7052)
LW : 0.314 kg/m
AP : 215.56 mm



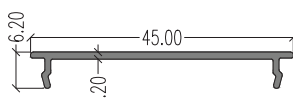
7059 (For 7057)
LW : 0.290 kg/m
AP : 199.56 mm



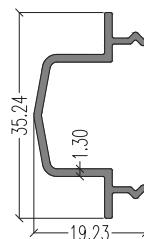
33718 (For 7057)
LW : 0.264 kg/m
AP : 183.50 mm



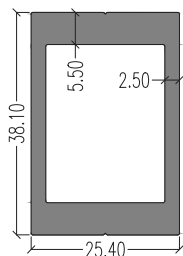
7962 (Reinforcement)
LW : 0.179 kg/m
AP : 119.12 mm
Ixx : 0.181 cm⁴
Iyy : 0.818 cm⁴



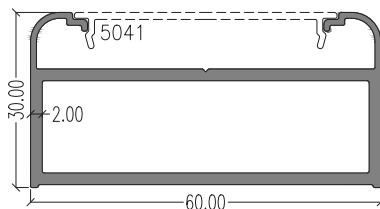
5041 (Reinforcement)
LW : 0.172 kg/m
AP : 111.27 mm
Ixx : 0.012 cm⁴
Iyy : 1.264 cm⁴



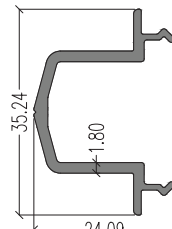
7054 (Mid-Nose Joint)
LW : 0.231 kg/m
AP : 136.98 mm
Ixx : 0.940 cm⁴
Iyy : 0.273 cm⁴
(For CK & DSD Lock)



5131 (For 7961)
LW : 1.125 kg/m
AP : 126.93 mm

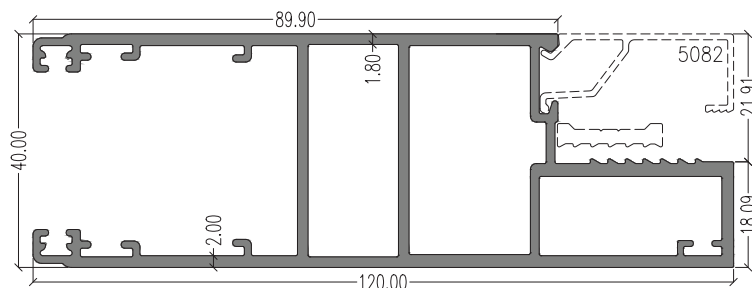


5040 (Reinforcement)
LW : 0.926 kg/m
AP : 233.02 mm
Ixx : 2.971 cm⁴
Iyy : 15.24 cm⁴

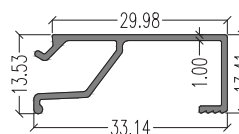


7081 (Mid-Nose Joint)
LW : 0.338 kg/m
AP : 153.17 mm
Ixx : 1.216 cm⁴
Iyy : 0.638 cm⁴
(For SLD109K Lock)

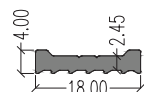
FOR STAINLESS STEEL MESH



5081 (Inner)
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



CK80
Double



CK81
Single



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/BKT01
(Inner)



SLD/BKT02
(Outer)

Skider



SLD/SK04

Weep Hole Cover



Rubber Strip



PLG 2911 (50m/roll)

Stopper



Support Block



Fixed Panel
Support Block

Interlock Rubber Strip



7055
(100m/roll)

Interlock PVC Cover



SLD/IC02

Corner Joint Angle



SLD/CJC02
(8mm)

Woolpile



5 x 7
(300m/roll)



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

Now available at:



HEAD OFFICE & FACTORY

Lot 11, Jalan Perusahaan 1, Kawasan Perusahaan Beranang,
43700 Beranang, Selangor Darul Ehsan, Malaysia.

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F : +603-8725 8828 (Gen)

E : enquiry@lbalum.com.my

+603-8725 8866 (Export)

W : www.lbalum.com



MS ISO 9001:2015 Cert. No: QMS 00216