

ALBEDOOR



Multifold Door (with Exposed Hinges)

MF01-50



LB
ALUMINIUM
BERHAD
198501006093 (138535-V)

Product

ALBEDOOR MF01-50

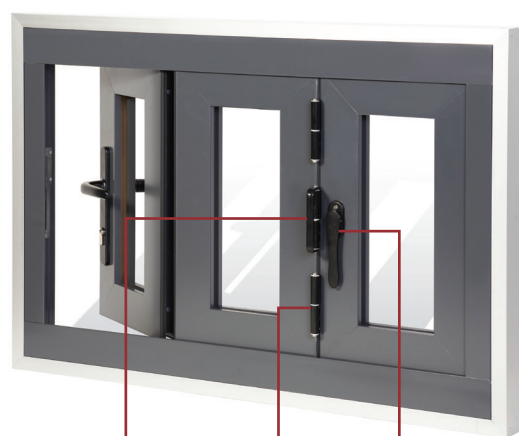
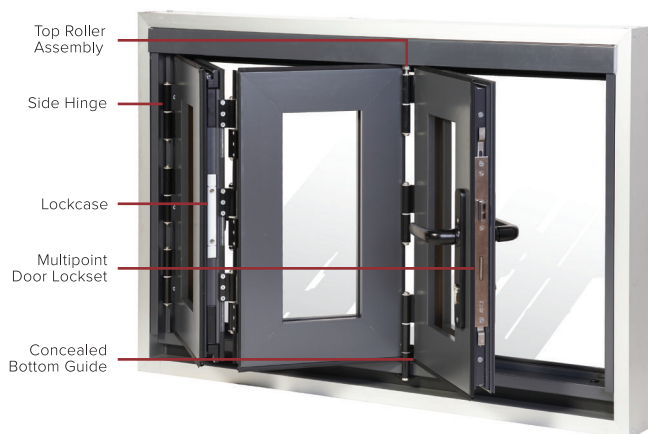
Typical Technical Features

Inner Frame Thickness	: 1.30mm - 2.20mm
Inner Frame Depth	: 42.00mm
Inner Frame Width	: 70.00mm - 100.00mm
Outer Frame Depth	: 51.00mm - 100.00mm
Hinges	: Exposed Butt. Hinges
Corner Joints	: Mortise & Mitre Joints
Glazing Gap	: 12.00mm - 27.00mm
Locking System	: Single-point & Multipoint



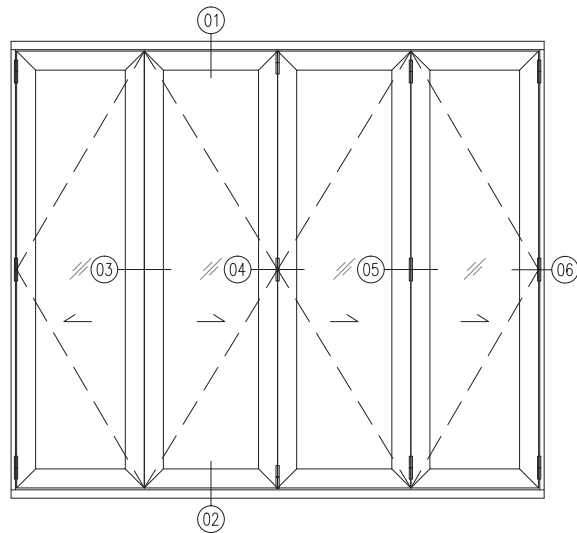
Other Features

Easy Fabrication
Flexible Panel Configurations
Ultra Smooth Operation
Concealed Floor Guide Option

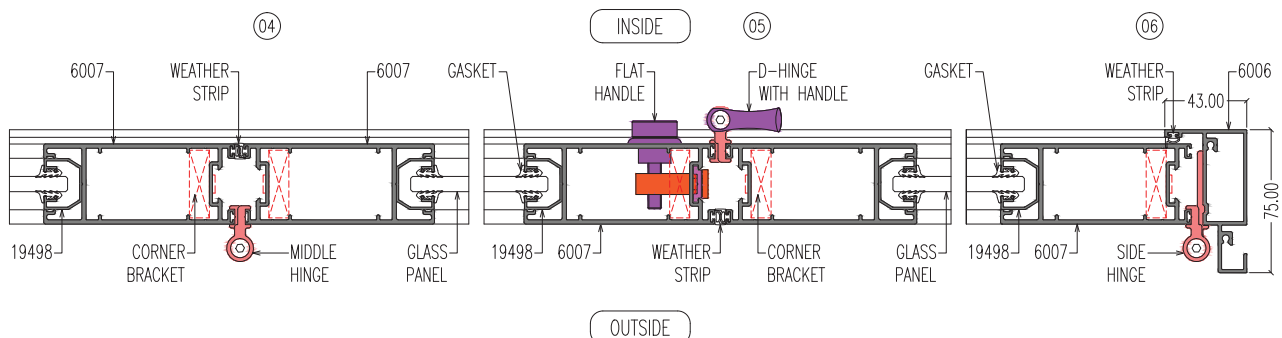
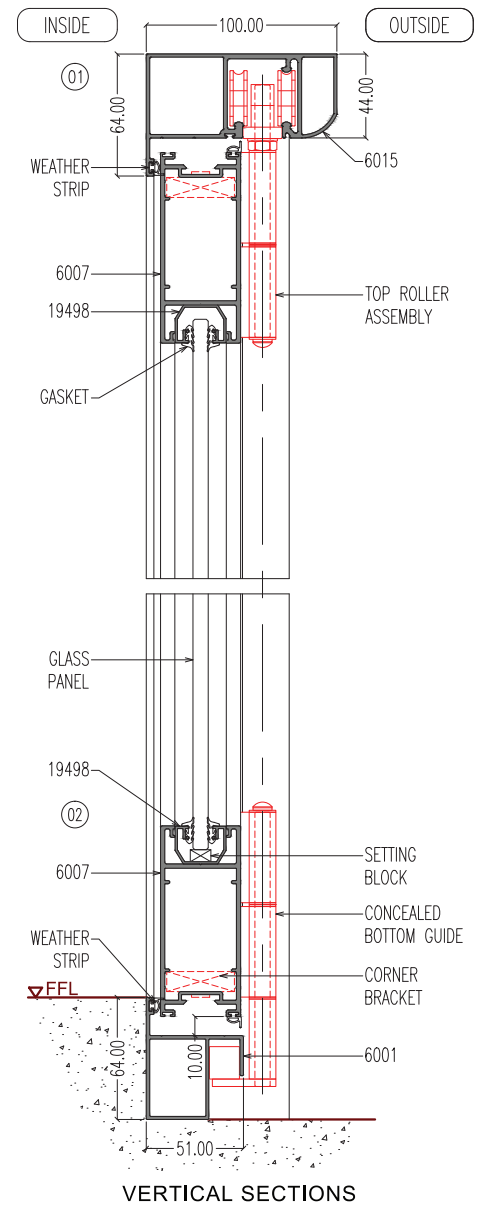
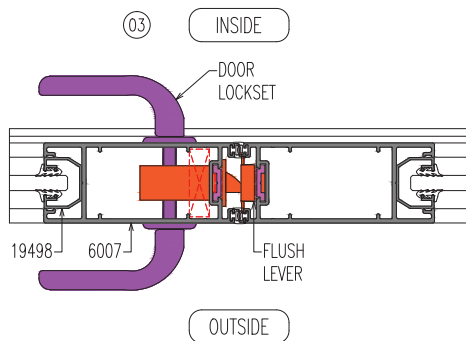
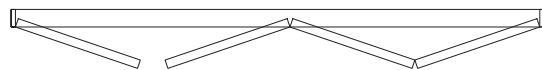


D- Hinge with Handle Mid Hinge Flat Handle

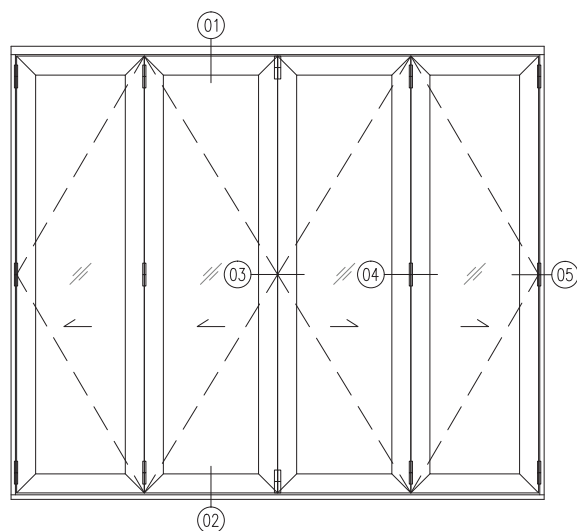
Typical Assembly Details



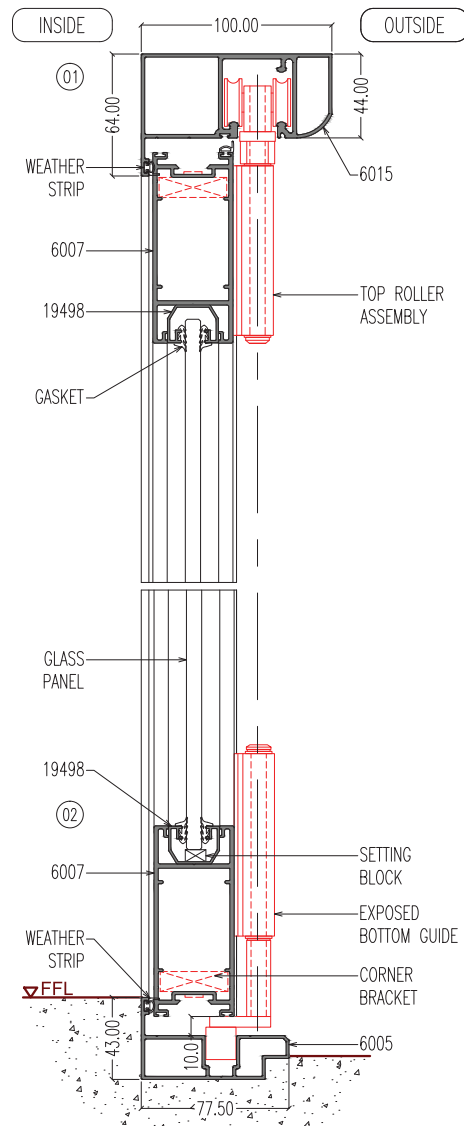
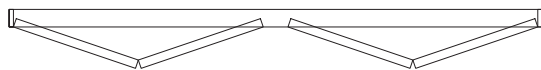
ELEVATION



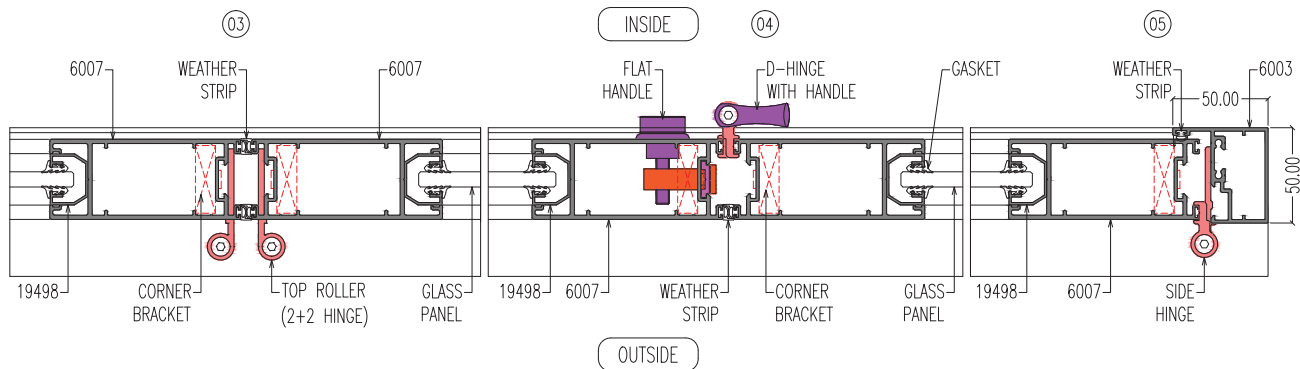
Typical Assembly Details



ELEVATION

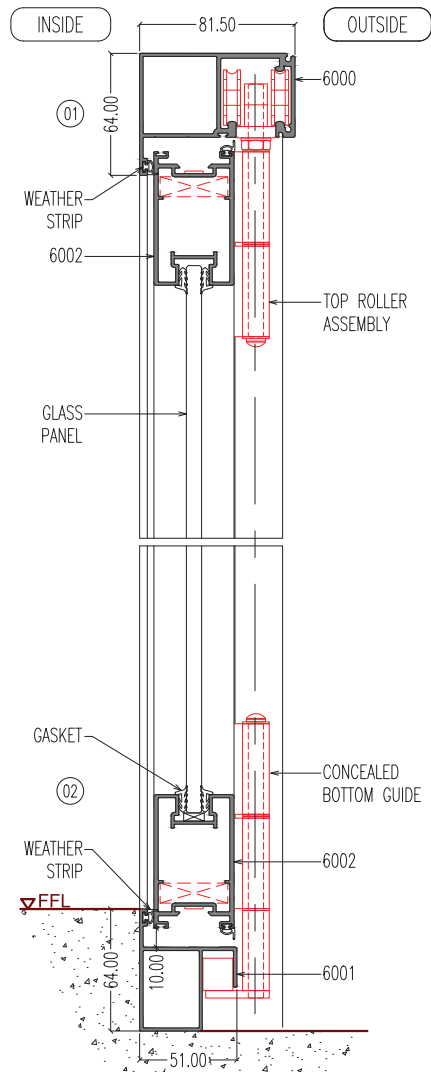


VERTICAL SECTIONS

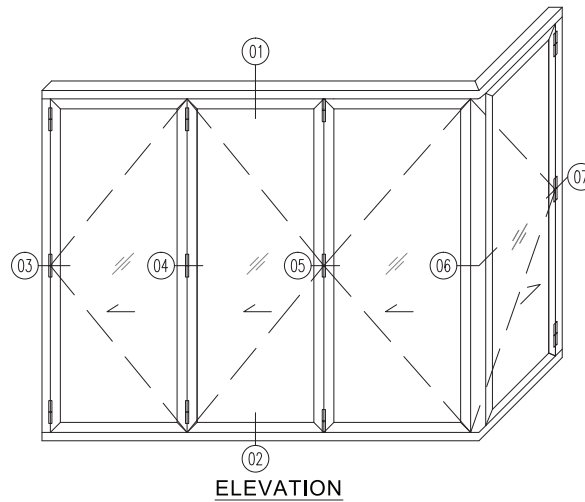


HORIZONTAL SECTIONS

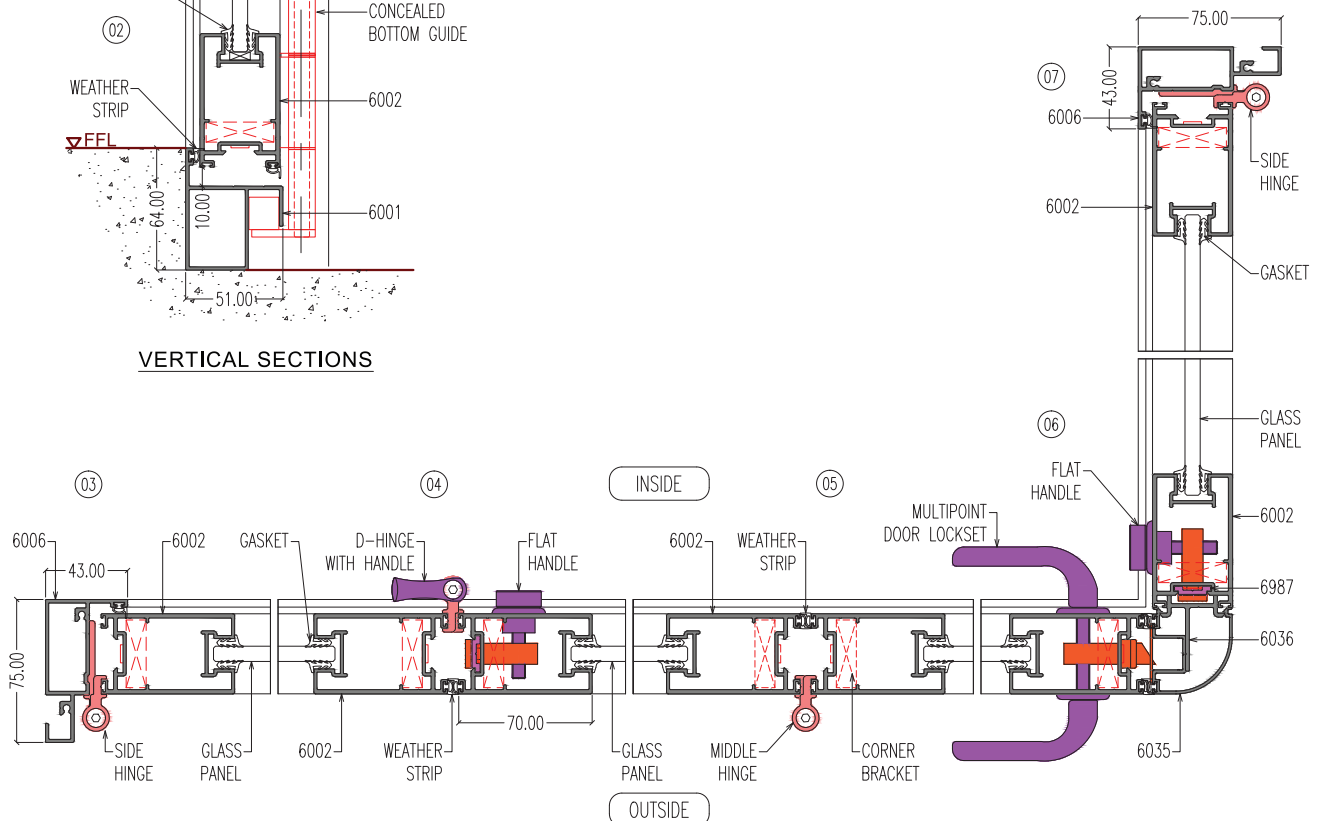
Typical Assembly Details



VERTICAL SECTIONS



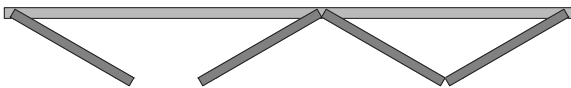
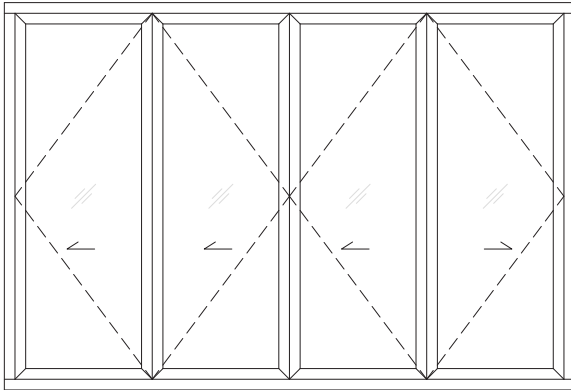
ELEVATION



HORIZONTAL SECTIONS

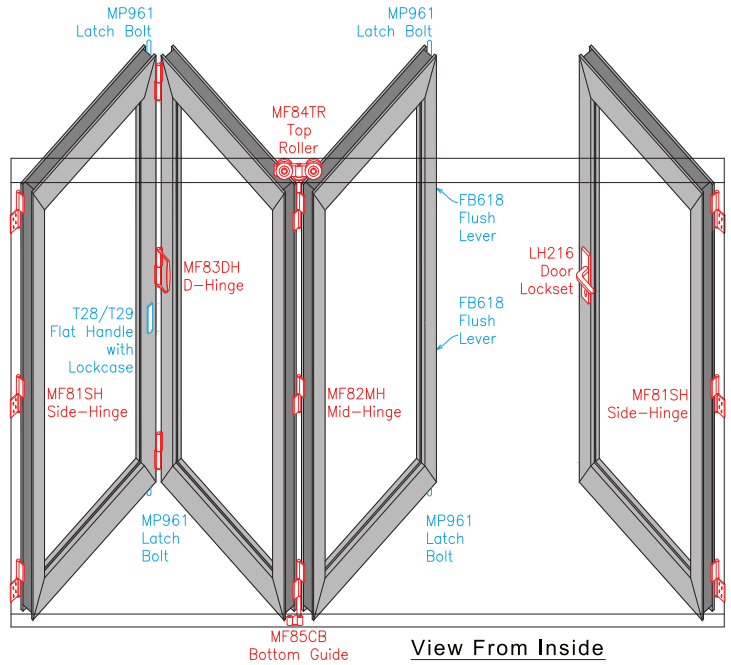
Typical Assembly Details

Typical 4 Panel Elevation
(3+1 Configuration)



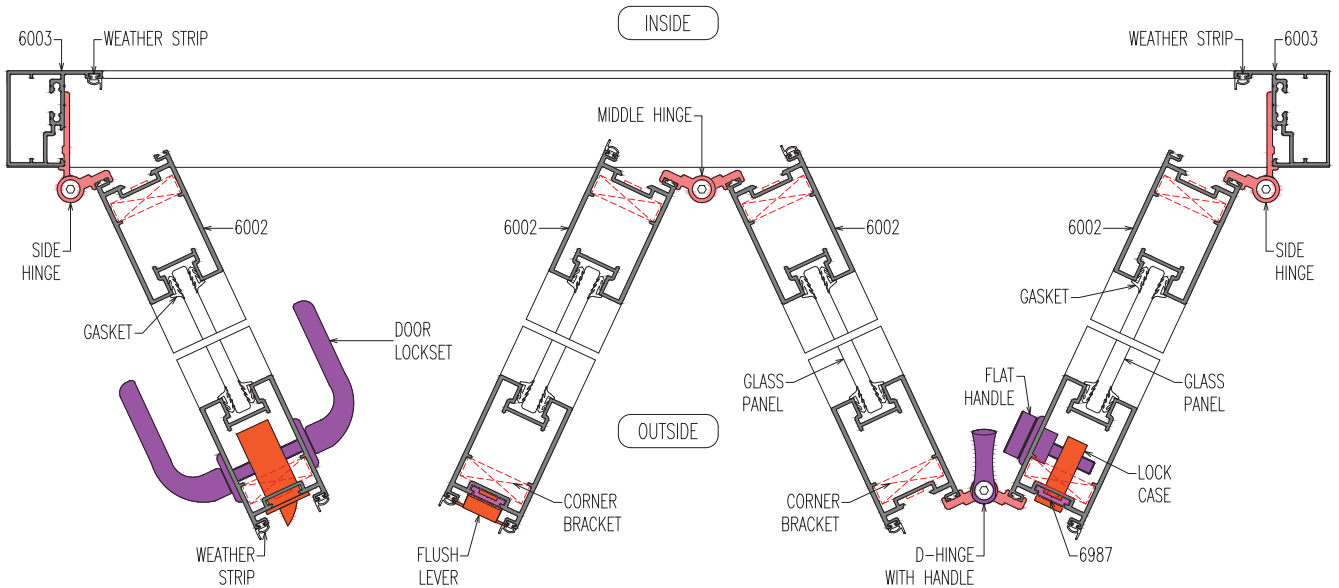
Exterior View

Typical Accessories Arrangement for
Multifold Door with 3+1 Configuration

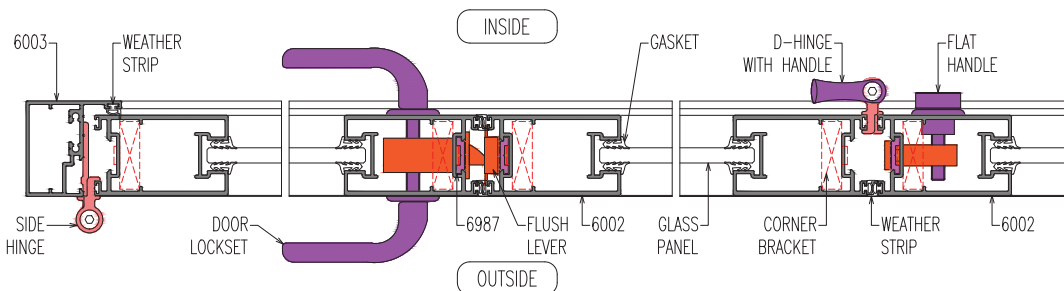


View From Inside

In Opened Position

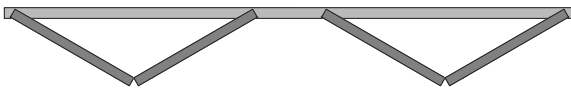
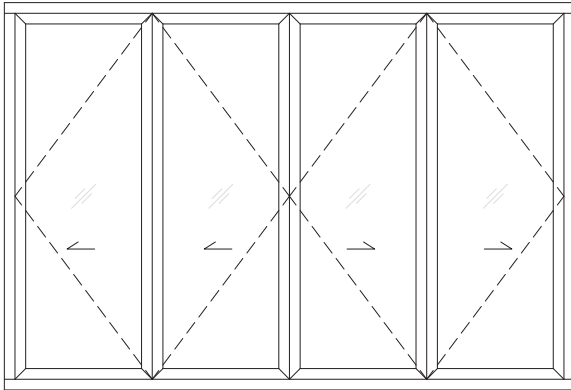


In Closed Position



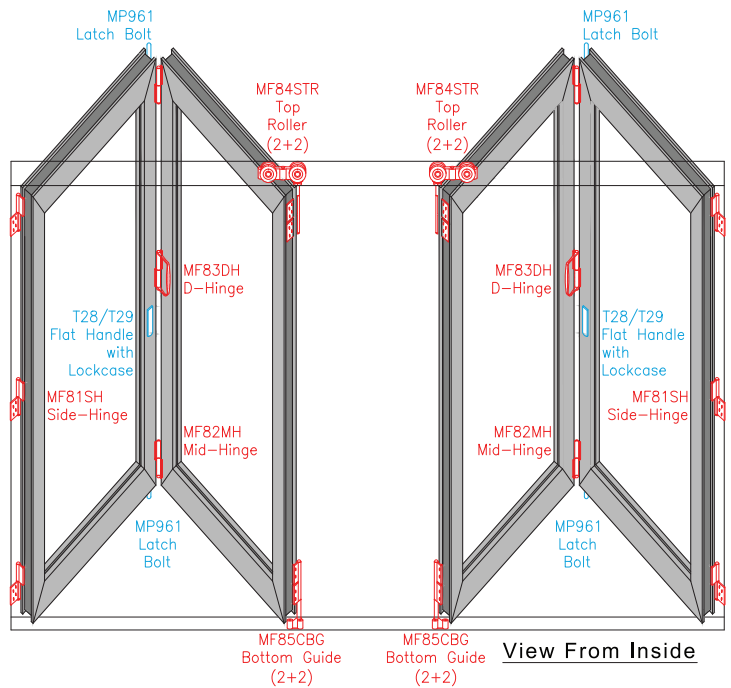
Typical Assembly Details

**Typical 4 Panel Elevation
(2+2 Configuration)**

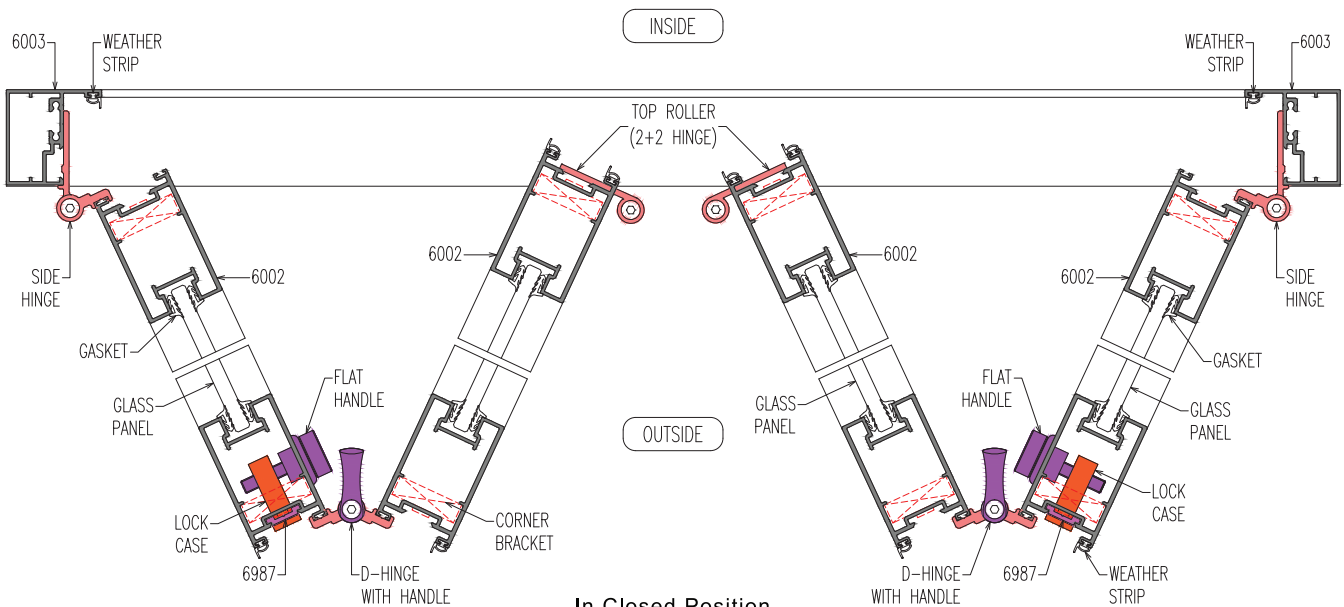


Exterior View

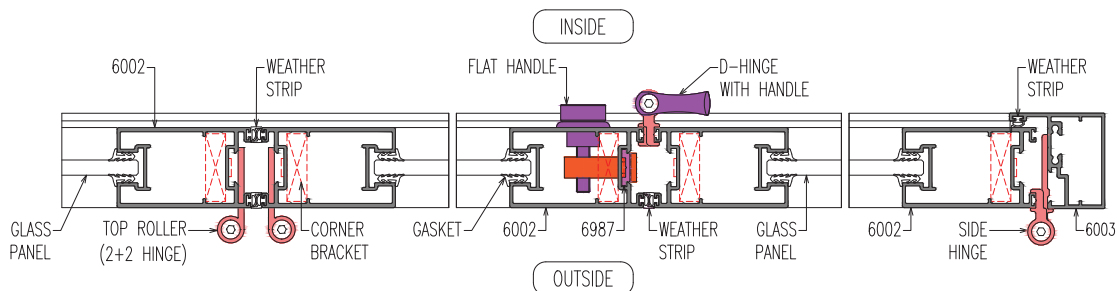
**Typical Accessories Arrangement for
Multifold Door with 2+2 Configuration**



In Opened Position



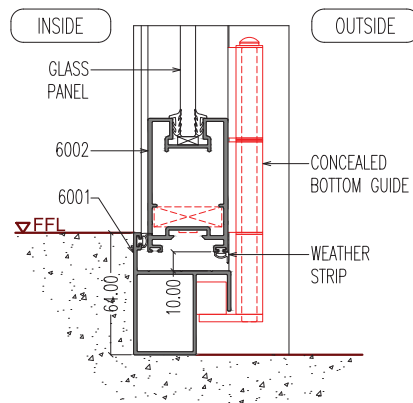
In Closed Position



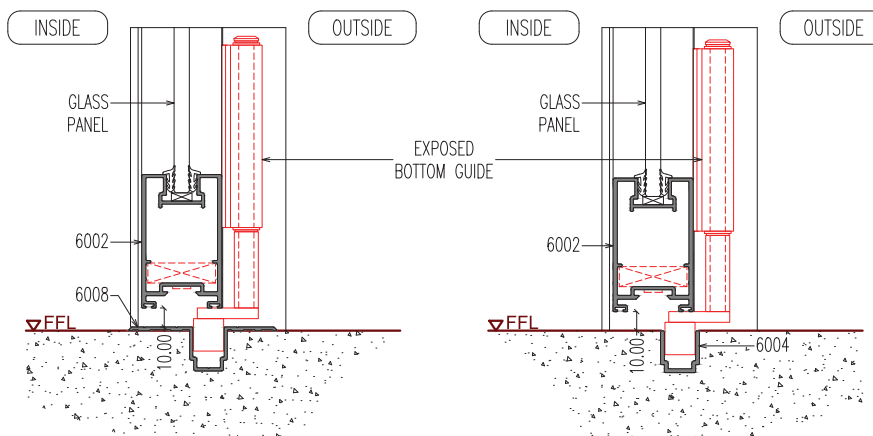
Typical Assembly Details

(Options for Bottom Track)

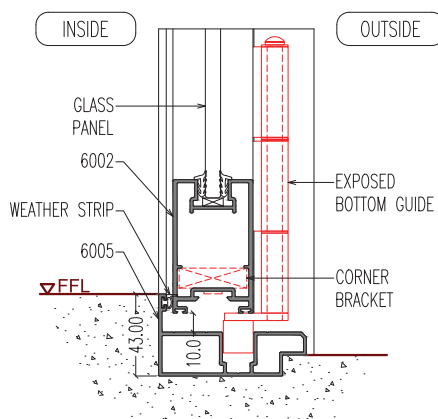
Bottom Track A
(Concealed Channel)



Bottom Track B
(Exposed Channel-Interior)

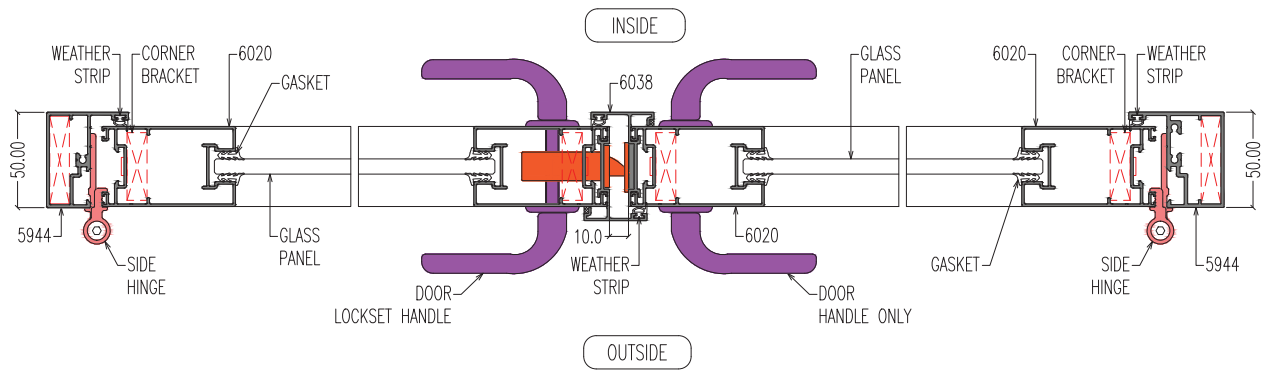


Bottom Track C
(Exposed Channel-Exterior)

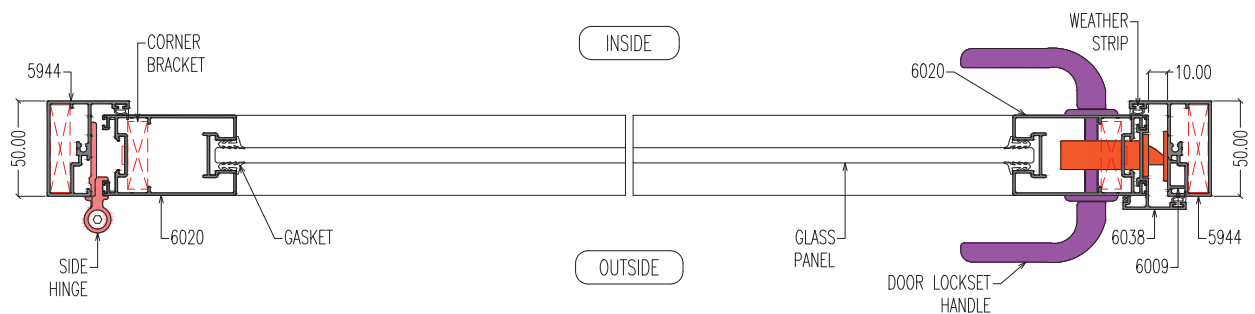


Typical Assembly Details

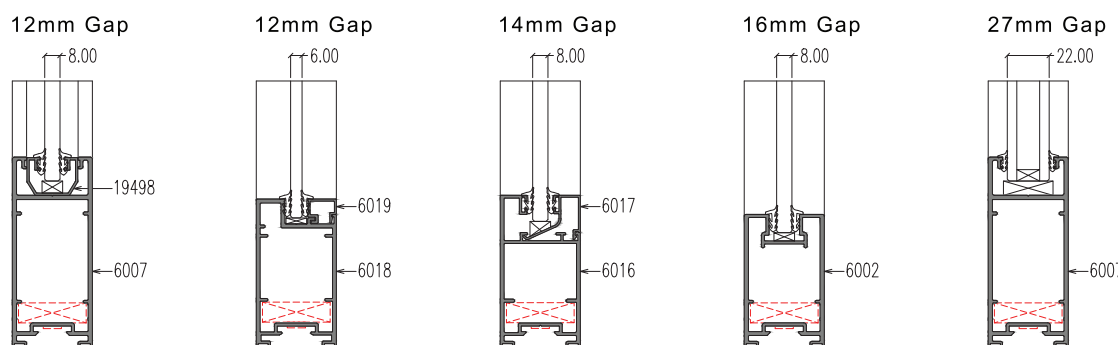
Option for Double-Leaf Swing Door



Option for Single-Leaf Swing Door



Glazing Gap Option for Inner Frames

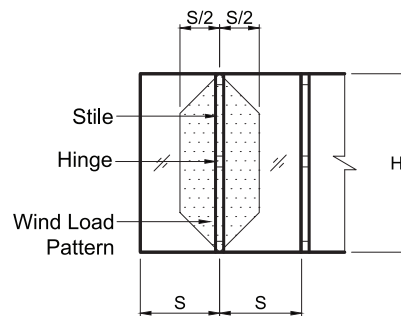
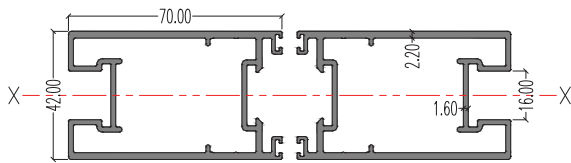


Wind Load Chart

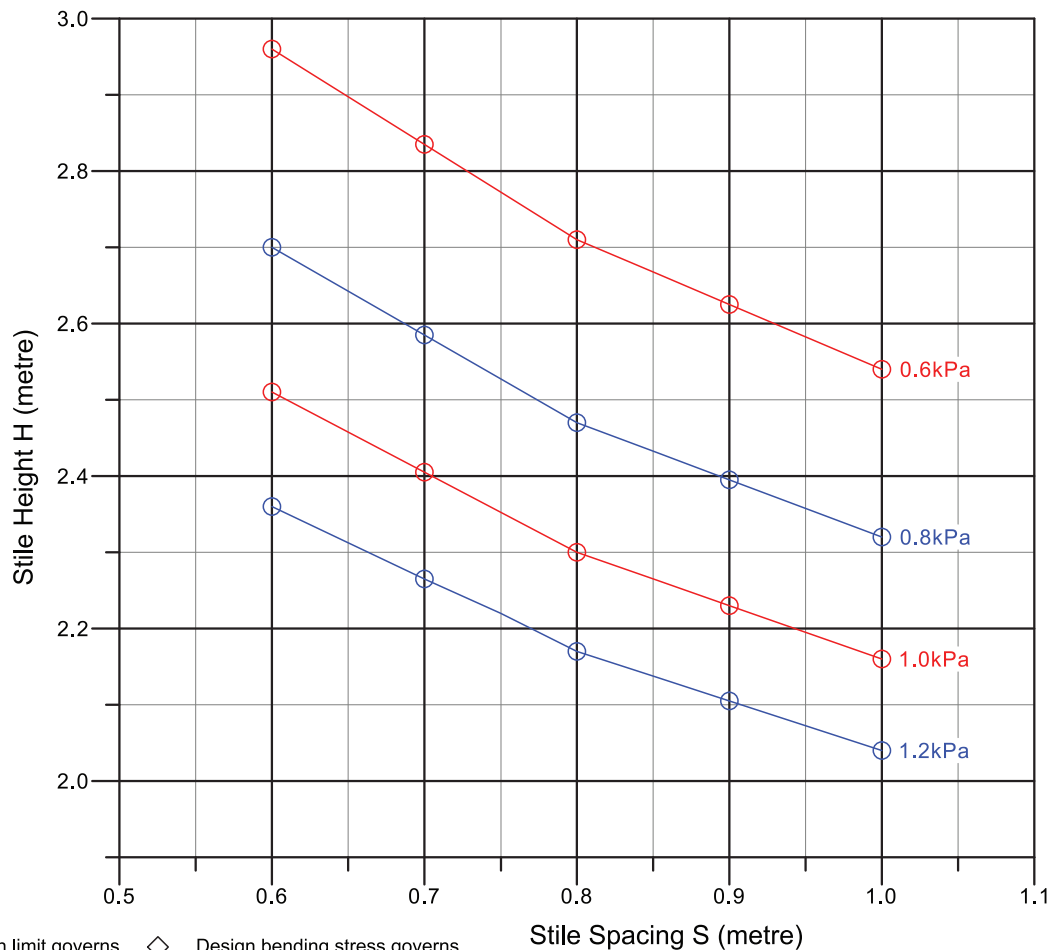
MULLION SECTION	: 6002x2
Alum. alloy	: 6063-T5
Moment of inertia	I_{xx} : 30.4 cm ⁴
Mod. of section	Z_{xx} : 14.4 cm ³

Mod. of elasticity	: 69×10^9 N/m ²
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 window:



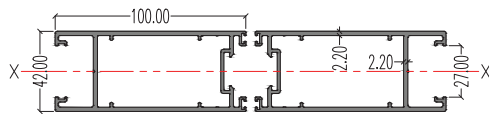
Note:
Suffix xx denotes axis perpendicular to wind load



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

Wind Load Chart

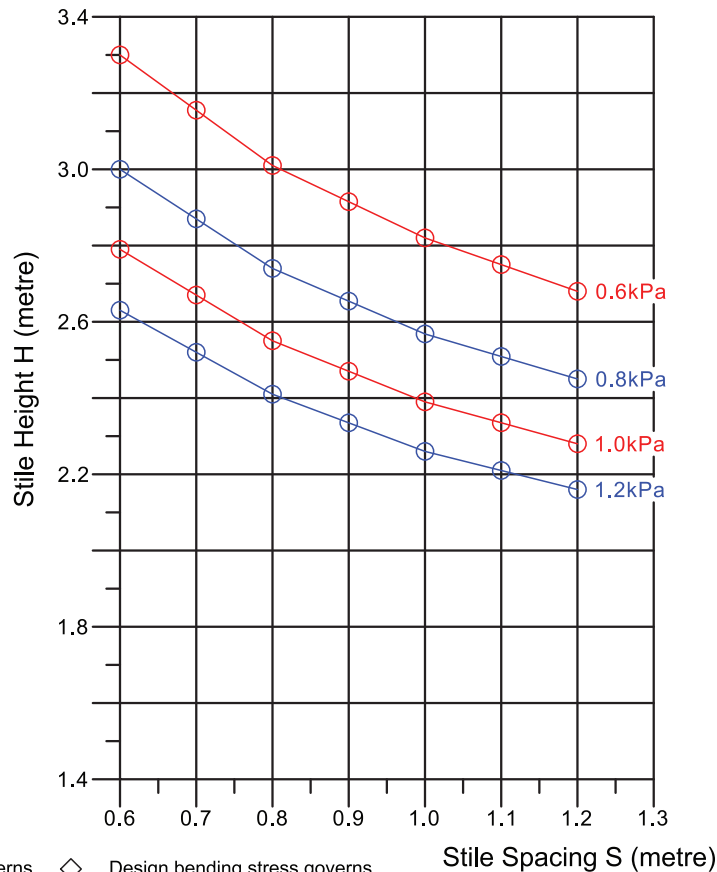
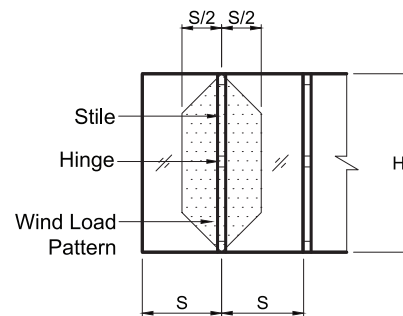
MULLION SECTION	: 6007x2
Alum. alloy	: 6063-T5
Moment of inertia	I_{xx} : 42.1 cm ⁴
Mod. of section	Z_{xx} : 20.0 cm ³



Note:
Suffix xx denotes axis perpendicular to wind load

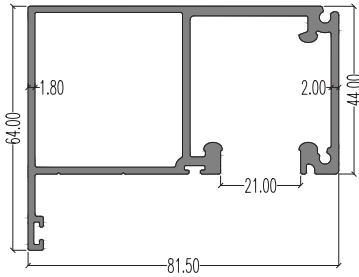
Mod. of elasticity	: 69×10^9 N/m ²
Design bend. stress	: 1.25 x 67 MPa
Deflection limit	: $\frac{\text{Span}}{175}$, up to max. 20mm
Nature of anchor	: Simply supported at both ends

Typical configuration of window:

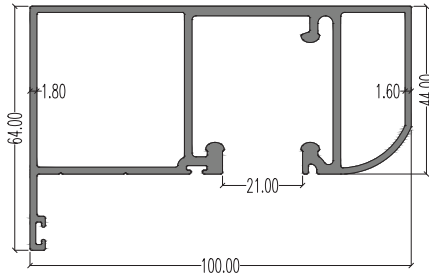


Note:
○ Deflection limit governs, ◇ Design bending stress governs
:- Buckling has not been taken into account in this chart
:- This windload chart is solely for reference only

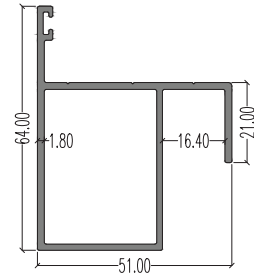
Sectional Details



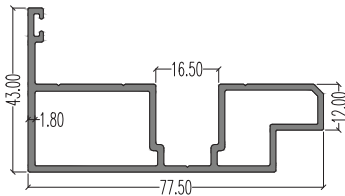
6000 (Top Track)
 LW : 1.718 kg/m
 AP : 458.28 mm



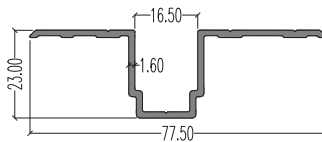
6015 (Top Track)
 LW : 2.016 kg/m
 AP : 489.53 mm



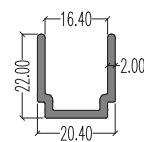
6001 (Bottom Track)
 LW : 0.965 kg/m
 AP : 279.95 mm
 (For Concealed)



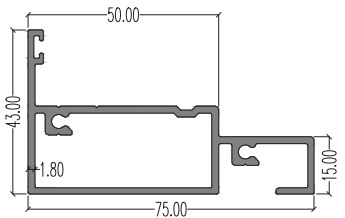
6005 (Bottom Track)
 LW : 1.084 kg/m
 AP : 293.05 mm
 (For Exposed)



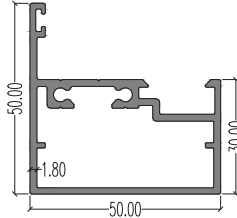
6008 (Bottom Track)
 LW : 0.515 kg/m
 AP : 241.32 mm
 (For Interior)



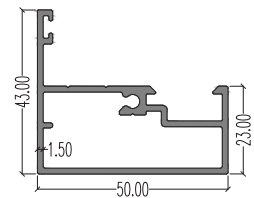
6004 (Bottom Track)
 LW : 0.322 kg/m
 AP : 120.16 mm
 (For Interior)



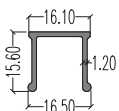
6006 (Side Jamb)
 LW : 1.111 kg/m
 AP : 310.55 mm



6003 (Side Jamb)
 LW : 1.009 kg/m
 AP : 237.29 mm



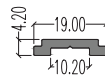
5944 (Side Jamb)
 LW : 0.790 kg/m
 AP : 223.98 mm



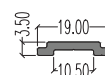
6009 (Capping)
 LW : 0.156 kg/m
 AP : 91.49 mm
 (For 6003)



5928 (Capping)
 LW : 0.095 kg/m
 AP : 55.04 mm
 (For 6003 & 5944)

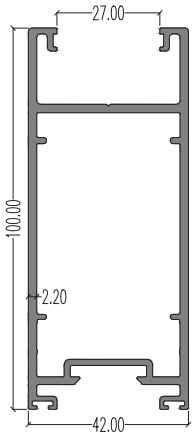


6987 (Slide Bar)
 LW : 0.140 kg/m
 AP : 49.24 mm

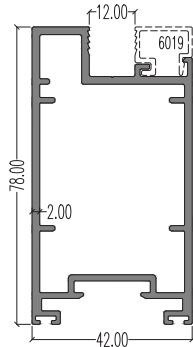


6219 (Slide Bar)
 LW : 0.117 kg/m
 AP : 45.58 mm

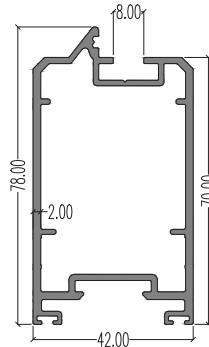
Sectional Details



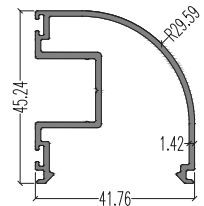
6007 (Inner)
LW : 1.828 kg/m
AP : 428.18 mm
Ixx : 69.60 cm⁴
Iyy : 21.10 cm⁴



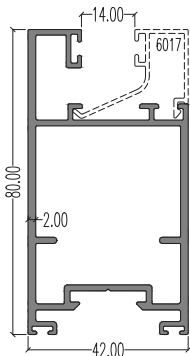
6018 (Inner)
LW : 1.430 kg/m
AP : 327.95 mm
Ixx : 33.86 cm⁴
Iyy : 14.98 cm⁴



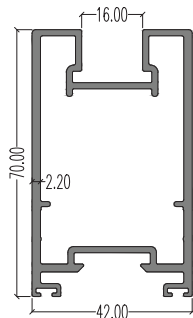
6040 (Inner)
LW : 1.369 kg/m
AP : 326.15 mm
Ixx : 30.83 cm⁴
Iyy : 14.10 cm⁴



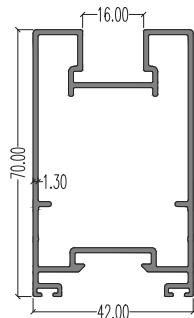
6035 (Corner Joint)
LW : 0.635 kg/m
AP : 329.86 mm



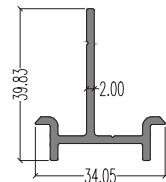
6016 (Inner)
LW : 1.361 kg/m
AP : 400.85 mm
Ixx : 29.18 cm⁴
Iyy : 14.05 cm⁴



6002 (Inner)
LW : 1.475 kg/m
AP : 325.12 mm
Ixx : 29.20 cm⁴
Iyy : 15.20 cm⁴

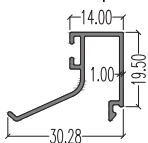


6020 (Inner)
LW : 1.055 kg/m
AP : 328.72 mm
Ixx : 22.40 cm⁴
Iyy : 10.50 cm⁴



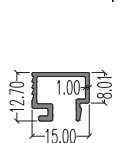
6036 (Corner Joint)
LW : 0.455 kg/m
AP : 169.79 mm

14mm Gap

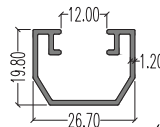


6017 (Beading)
LW : 0.222 kg/m
AP : 161.77 mm
(For 6016)

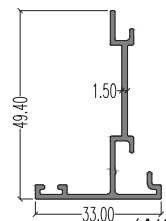
12mm Gap



6019 (Beading)
LW : 0.117 kg/m
AP : 88.84 mm
(For 6018)



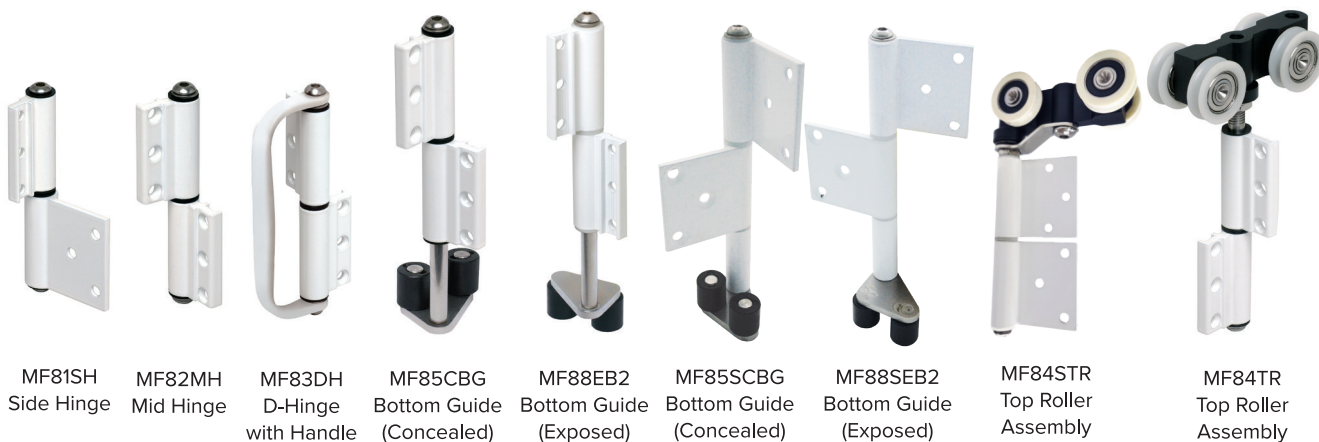
19498 (Glazing Channel)
LW : 0.276 kg/m
AP : 168.92 mm
(For 6007)



6038 (Attachment Inner)
LW : 0.384 kg/m
AP : 219.88 mm

Accessories

Premium Range

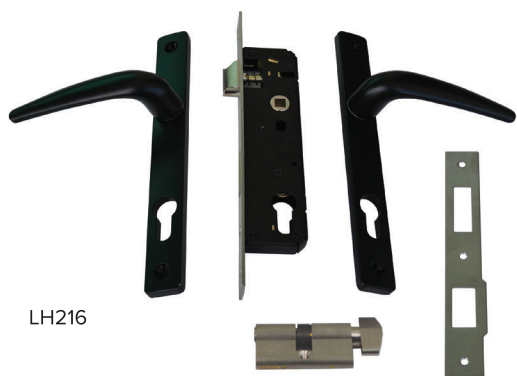


Standard Range



Accessories

Multipoint Door Lockset



LH216



ML01
(for 4 point locking)



LH316
(For 2 point Locking)



T29
Lockcase
T28
Flat Handle
(For Mullion Joint)

Latch & Bolt Keepers



MPH961
Latch Bolt



MPH963SS
Latch Bolt



MPH962K1
(Single Hole)



MPH962K2
(Double Hole)

Weather Strip



PLG6000
Suntoprene
(100m/roll)

Corner Brackets



MP590A
(37.5mm)



MP90
(36.0mm)

Flush Lever



FB618
Flush Lever

Woolpile



5 x 7
(300m/roll)



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

Now available at:



HEAD OFFICE & FACTORY

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+603-8725 8866 (Export)

W : www.lbalum.com



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CERT NO: QMS 00216



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CERT NO: EMS 01118