



Performance Casement Window **W01**

Designed and tested according to MS832:2022



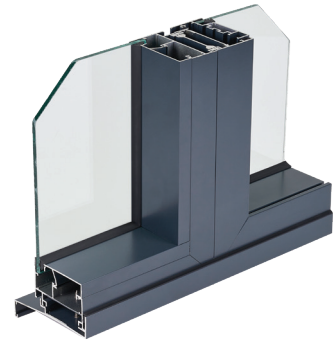
LB
ALUMINIUM
BERHAD
198501006093 (138535-V)

Product

ALBEPremio W01

Typical Technical Features

Nominal Wall Thickness	: 1.35mm
Standard Frame Depth	: 77.00mm
Mullion Depth	: 77.00mm
Glazing Gap	: 15.50mm
Locking System	: Multipoint
Surface Finish	: Flush
Hinges	: Concealed Hinge
Corner Joints	: Mitre Joints With Brackets



Other Features

- Self locking system
- Innovative corner assembly
- High material optimisation with low profile count
- Easy fabrication with standard manual tools and machinery
- Glass is fitted from within the buildings making installation and maintenance safe and easy

Performance Test

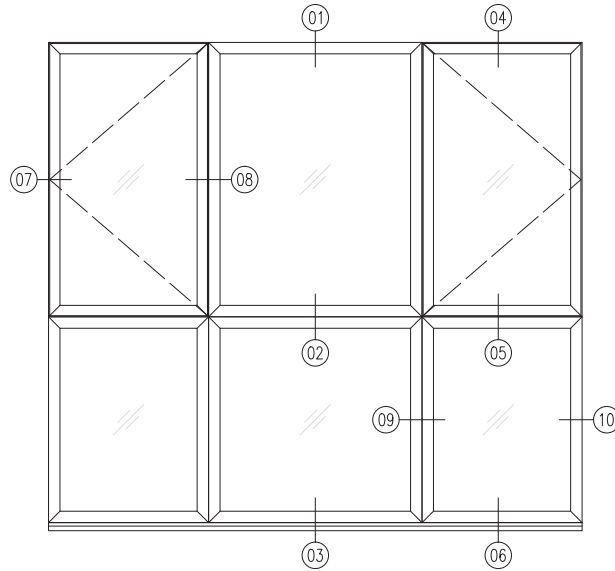
This casement window suite had been tested in compliance to MS 832:2022 performance test procedure for:

1. 1500Pa windload : Passed
2. 300Pa air leakage : Passed
3. 450Pa water infiltration : Passed

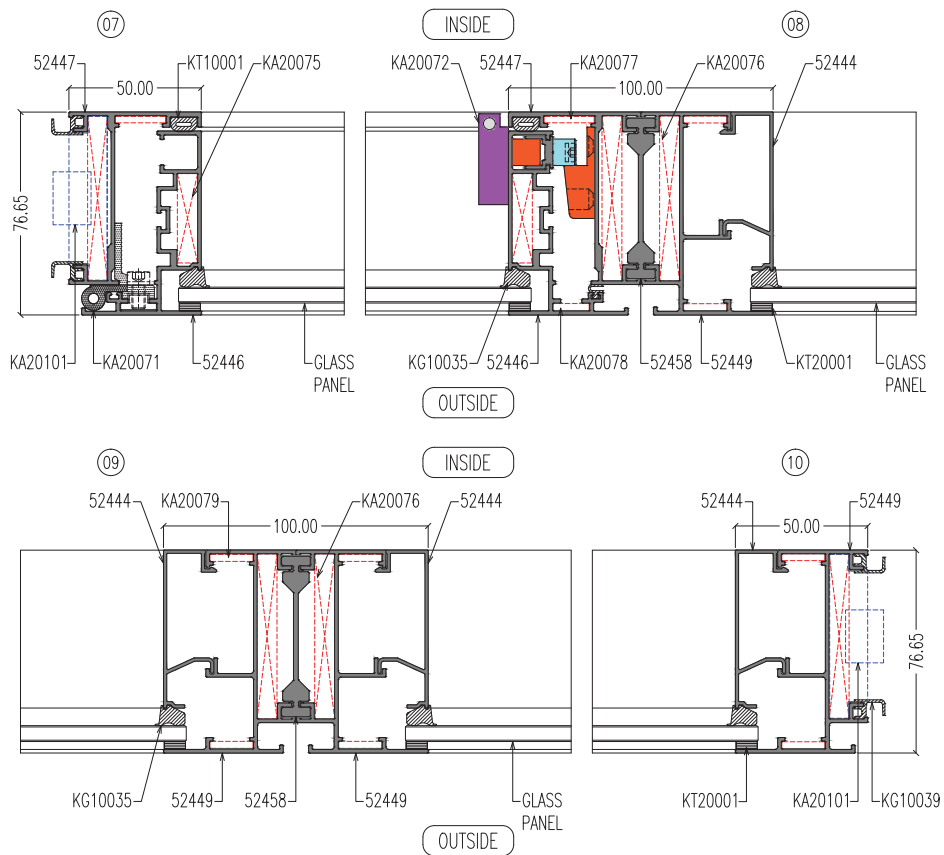
Note: Test report available upon request.



Typical Assembly Details

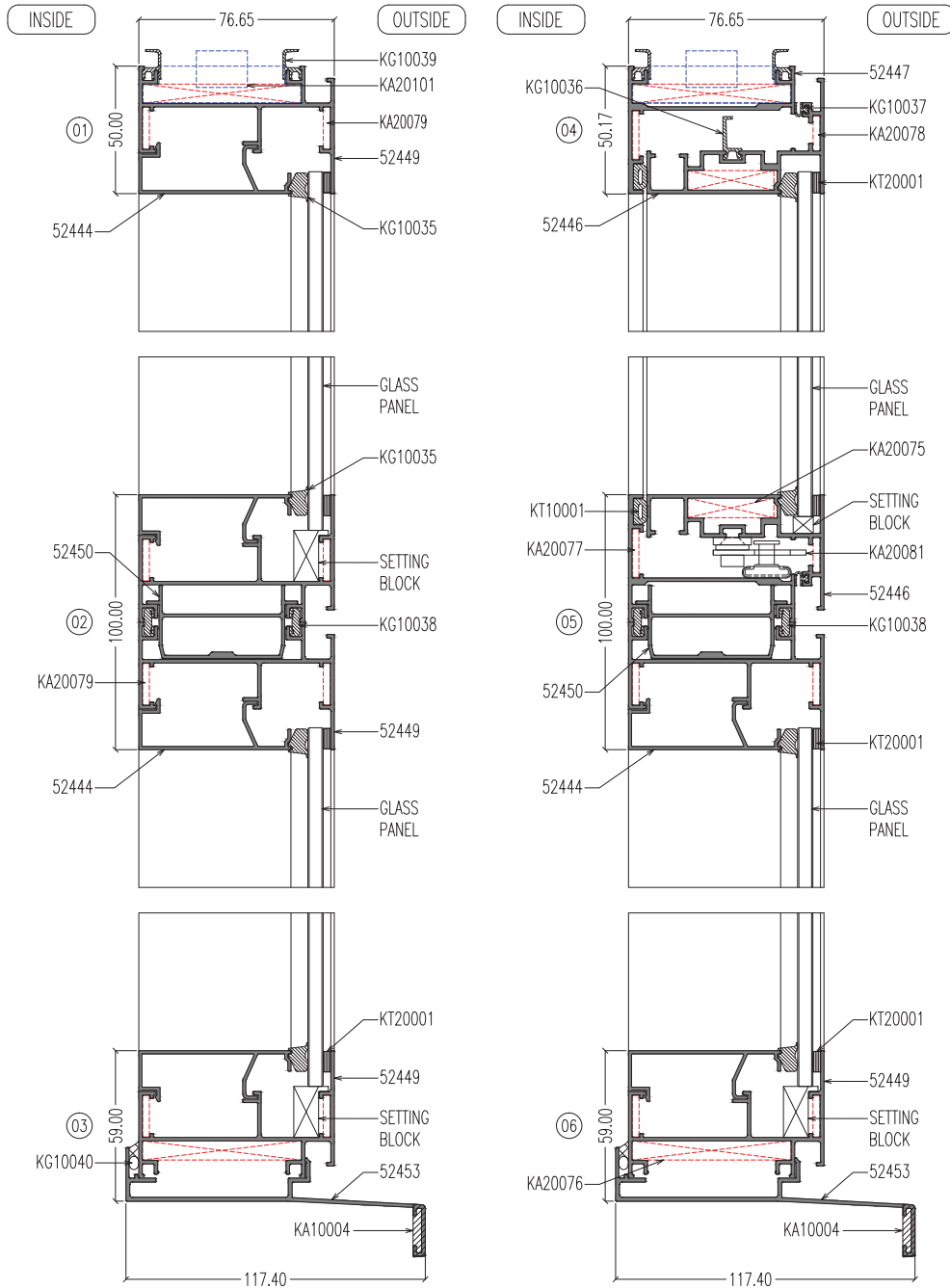


ELEVATION



HORIZONTAL SECTIONS

Typical Assembly Details

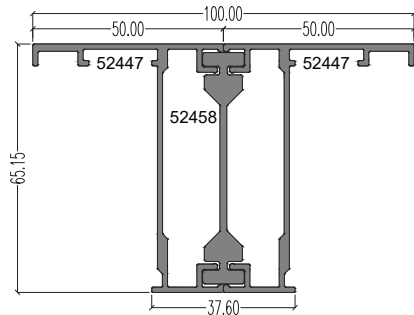


VERTICAL SECTIONS

Wind Load Chart

MULLION ASSEMBLY of Sections 52447x2 & 52458

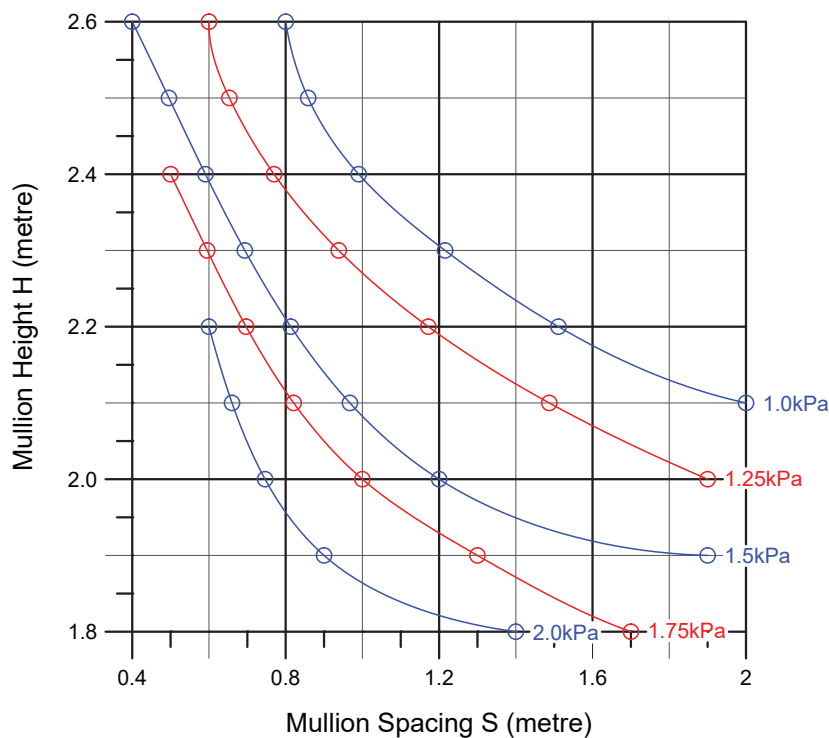
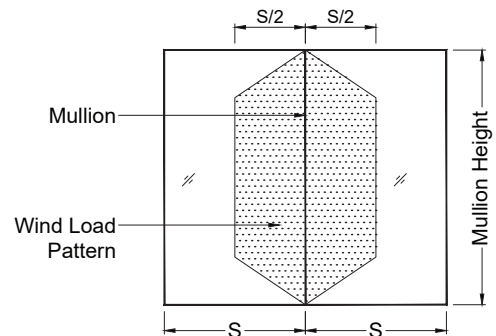
Aluminium alloy : 6063-T5
 Moment of Inertia I_{xx} : 45.06 cm⁴
 Mod. of Inertia Z_{xx} : 12.25 cm³



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : 69×10^9 N/m²
 Perm. bend. stress : 1.25 x 67 MPa
 Deflection limit (within slenderness limit) : $\text{Span}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :

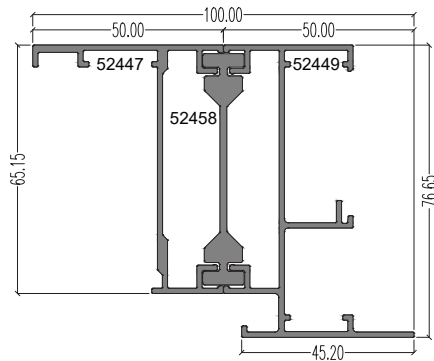


Note:
 ○ Deflection limit governs
 :- This windload chart is solely for reference only

Wind Load Chart

MULLION ASSEMBLY of Sections 52447, 52449 & 52458

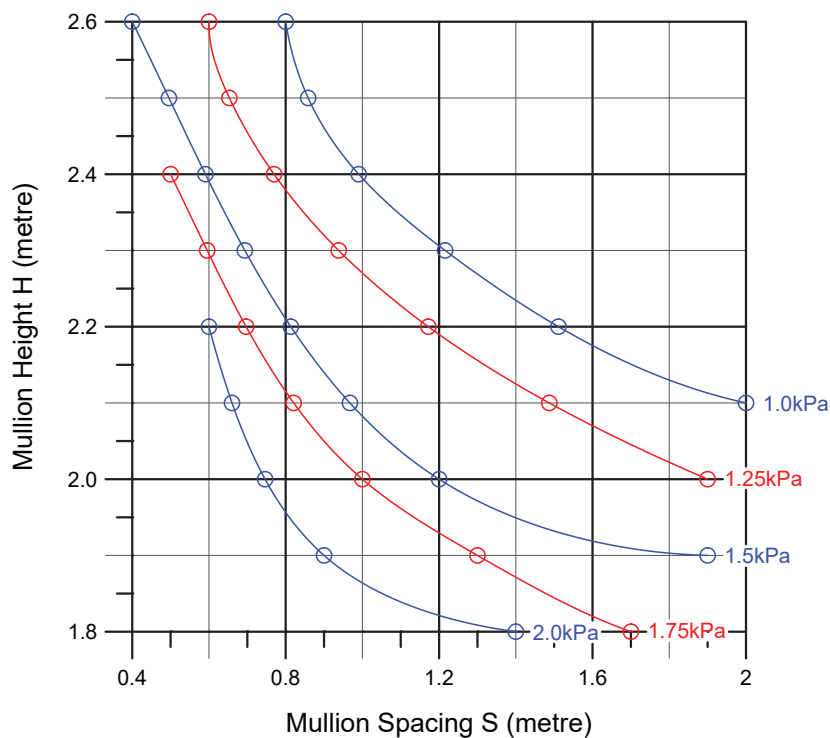
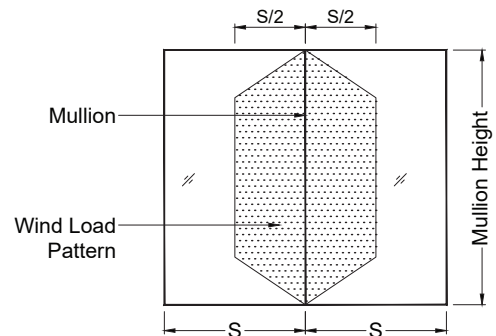
Aluminium alloy : 6063-T5
 Moment of Inertia I_{xx} : 55.37 cm⁴
 Mod. of Inertia Z_{xx} : 14.44 cm³



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : 69×10^9 N/m²
 Perm. bend. stress : 1.25 x 67 MPa
(within slenderness limit)
 Deflection limit : $\text{Span}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :

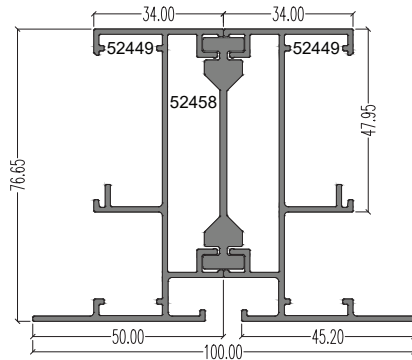


Note:
 ○ Deflection limit governs
 :- This windload chart is solely for reference only

Wind Load Chart

MULLION ASSEMBLY of Sections 52449x2 & 52458

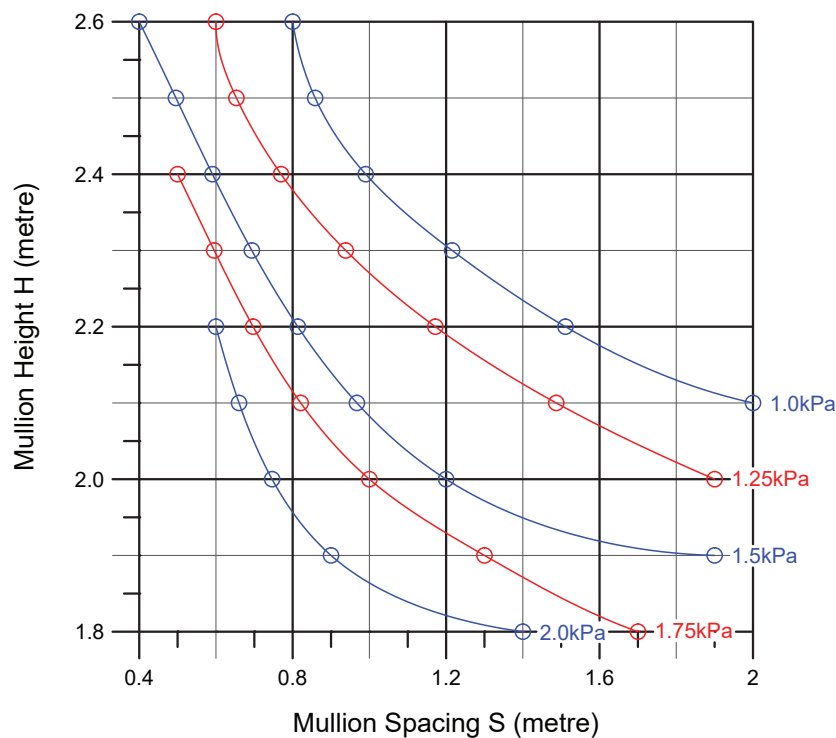
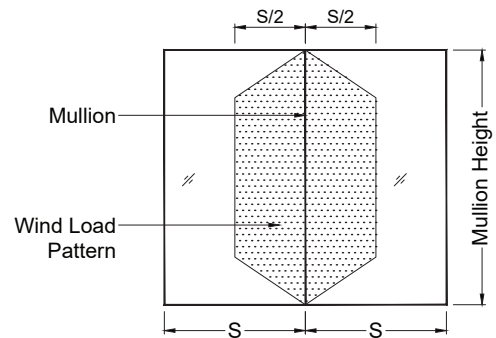
Aluminium alloy : 6063-T5
 Moment of Inertia I_{xx} : 65.68 cm⁴
 Mod. of Inertia Z_{xx} : 16.63 cm³



Note:
 Suffix xx denotes axis perpendicular to wind load

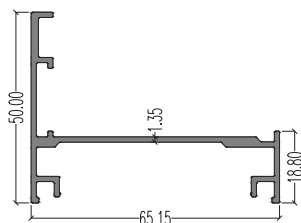
Mod. of elasticity : 69×10^9 N/m²
 Perm. bend. stress : 1.25 x 67 MPa
 (within slenderness limit)
 Deflection limit : $\text{Span}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :

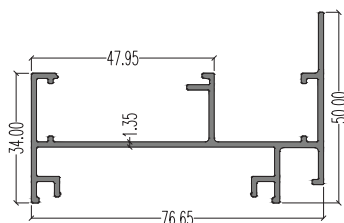


Note:
 ○ Deflection limit governs
 :- This windload chart is solely for reference only

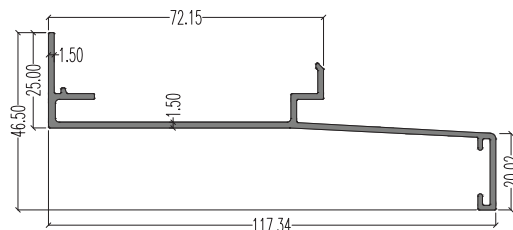
Sectional Details


52447 (Outer)

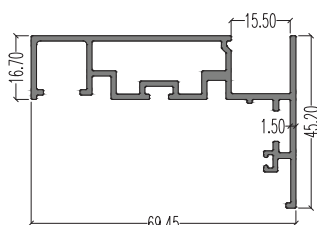
LW : 0.670 kg/m
AP : 325.23 mm
Ixx : 3.766 cm⁴
Iyy : 15.97 cm⁴
(For 52446)


52449 (Outer)

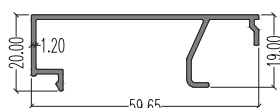
LW : 0.863 kg/m
AP : 456.58 mm
Ixx : 3.647 cm⁴
Iyy : 26.27 cm⁴
(For 52444)


52453 (Subsill)

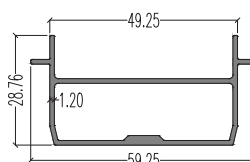
LW : 0.804 kg/m
AP : 403.22 mm


52446 (Inner)

LW : 0.920 kg/m
AP : 367.10 mm


52444 (Beading)

LW : 0.379 kg/m
AP : 231.42 mm


52450 (Spigot)

LW : 0.554 kg/m
AP : 194.05 mm
Ixx : 1.572 cm⁴
Iyy : 6.822 cm⁴


52458 (Mullion)

LW : 0.738 kg/m
AP : 179.31 mm
Ixx : 0.162 cm⁴
Iyy : 13.15 cm⁴

Accessories

Handles



MPH3903 Multi-Point
Single Fork
(Top Hung)



MPH3707A Multi-Point
Single/Double Fork
(Top Hung)



MPH3709A Multi-Point
Single/Double Fork
(Top Hung)



KA20072 Multi-Point
(Side & Top Hung)

Butt Hinge



KA20071
(Concealed)

Transmission Bar



KA20074

Assembly Angle



KA20076
(Outer)



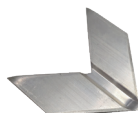
KA20075
(Inner)

Friction Stay



SS304
(Top Hung)

Corner Chevron



KA20077 (18mm) - Outer Openable
KA20078 (13mm) - Inner
KA20079 (16mm) - Outer Fixed

Limiters



KA20082
(Top Hung)

Jack Block



KA20101

Lock Keeper



KA20083

Locking Pin



KA20084



KA20081
(Side Hung)

Accessories

Gaskets



KG10035
Glazing Gasket for 6mm



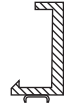
KG10038
Coupling Gasket



KG10039
TPV Sealant Backer



KG10037
TPV Rainscreen



KG10036
TPV Waterhead



KT20001
EPDM Foam Glazing Tape



KT10001
EPDM Foam Airseal

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Now available at:



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