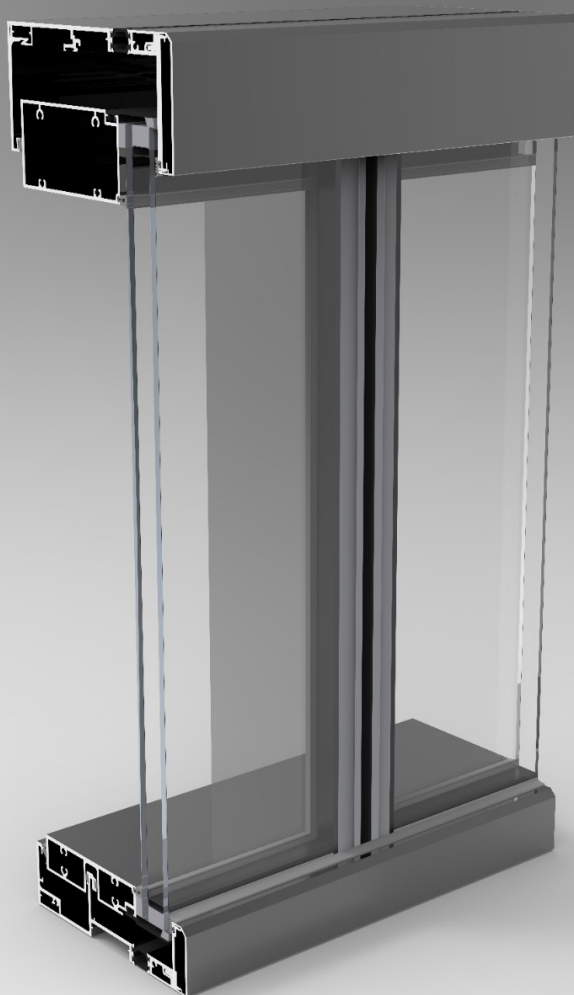


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UNITIZED WINDOW WALL SYSTEM



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WIND LOAD CHARTS

Mullions are designed for deflection limitations in accordance with AAMA TIR-A11 of L/175 up to 13'-6" and L/240 +1/4" above 13'-6". These curves are for mullions WITH HORIZONTALS and are based on engineering calculations for stress and deflection. Allowable wind load stress for ALUMINUM 15,152 psi (104MPa), STEEL 30,000 psi (207MPa). Charted curves, in all cases are for the limiting value. Wind load charts contained **herein are based upon nominal wind load used in allowable stress design.**

DEAD LOAD CHARTS

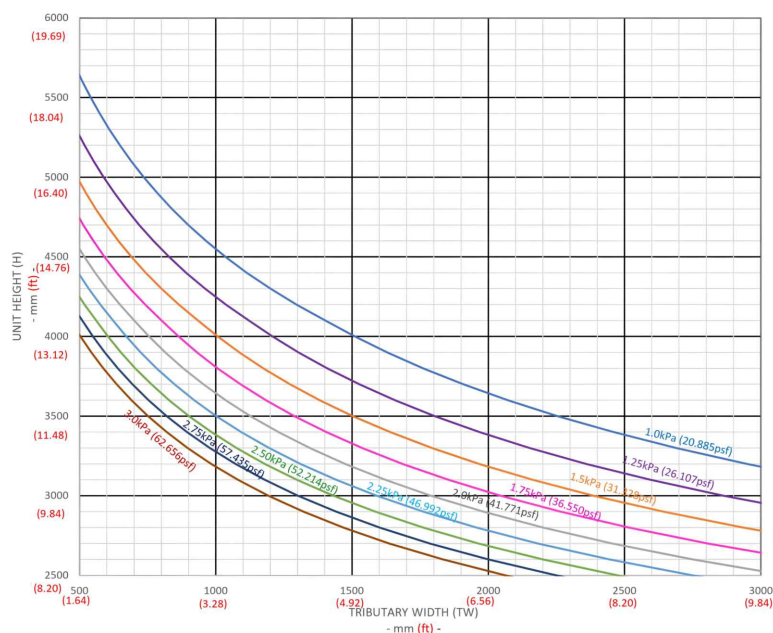
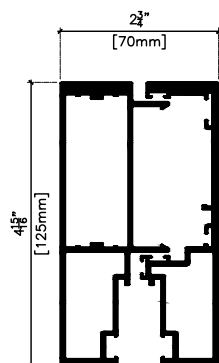
Horizontal or dead-load limitations are based upon the smaller of 0.11" (3mm) and L/500, maximum allowable deflection at the center of an intermediate horizontal member. The accompanying charts are calculated for 1 3/4"(44.45mm) thick insulating glass, 1" (25.4mm) thick insulating glass or 1/4" (6.4mm) thick glass supported on two setting blocks placed at the loading points shown.

Wind Load Charts

Aluminum Alloy 6063 T6 - Fy170 =MPa

Mullion Depth $4\frac{1}{8}"$ [125mm]

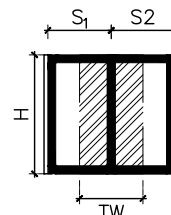
- Total moment of inertia about x-axis:
 $I_x = 7\frac{5}{8} \text{ in}^4$ [314.552 cm⁴]
- Total section modulus about x-axis:
 $S_{xx} = 2\frac{8}{9} \text{ in}^3$ [47.515 cm³]



Deflection Criterion: L/175 OR L/240 + 1/4" (6.35mm)
Aluminum Alloy 6063-T6

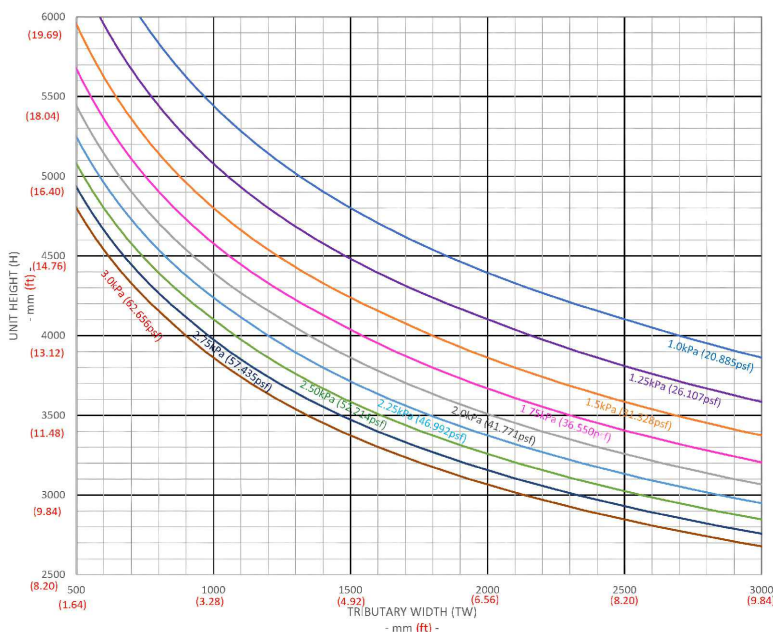
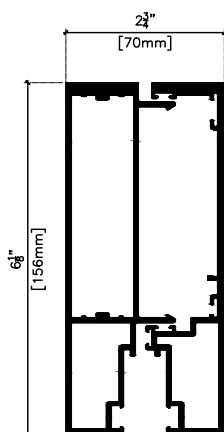
WIND LOADS

- 1.00kPa (20.885psf)
- 1.25kPa (26.107psf)
- 1.5kPa (31.328psf)
- 1.75kPa (36.550psf)
- 2.00kPa (41.771psf)
- 2.25kPa (46.992psf)
- 2.50kPa (52.214psf)
- 2.75kPa (57.435psf)
- 3.0kPa (62.656psf)



Mullion Depth $6\frac{1}{8}"$ [156mm]

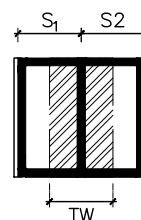
- Total moment of inertia about x-axis:
 $I_x = 13\frac{1}{2} \text{ in}^4$ [562.144 cm⁴]
- Total section modulus about x-axis:
 $S_{xx} = 4\frac{1}{4} \text{ in}^3$ [69.512 cm³]



Deflection Criterion: L/175 OR L/240 + 1/4" (6.35mm)
Aluminum Alloy 6063-T6

WIND LOADS

- 1.00kPa (20.885psf)
- 1.25kPa (26.107psf)
- 1.5kPa (31.328psf)
- 1.75kPa (36.550psf)
- 2.00kPa (41.771psf)
- 2.25kPa (46.992psf)
- 2.50kPa (52.214psf)
- 2.75kPa (57.435psf)
- 3.0kPa (62.656psf)

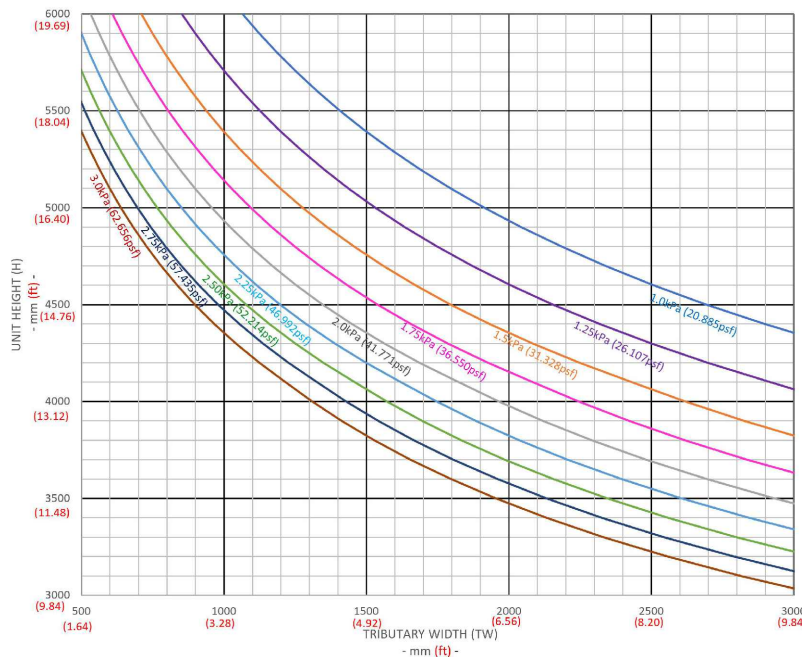
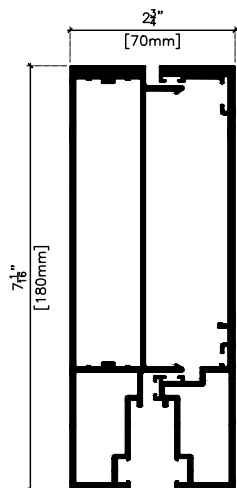


Wind Load Charts

Aluminum Alloy 6063 T6 - Fy170 =MPa

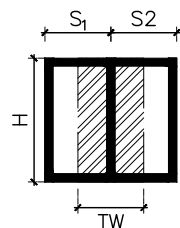
Mullion Depth $7\frac{5}{16}"$ [180mm]

- Total moment of inertia about x-axis:
 $I_x = 19\frac{2}{3} \text{ in}^4$ [818.484 cm⁴]
- Total section modulus about x-axis:
 $S_{xx} = 5\frac{1}{3} \text{ in}^3$ [87.823 cm³]



WIND LOADS

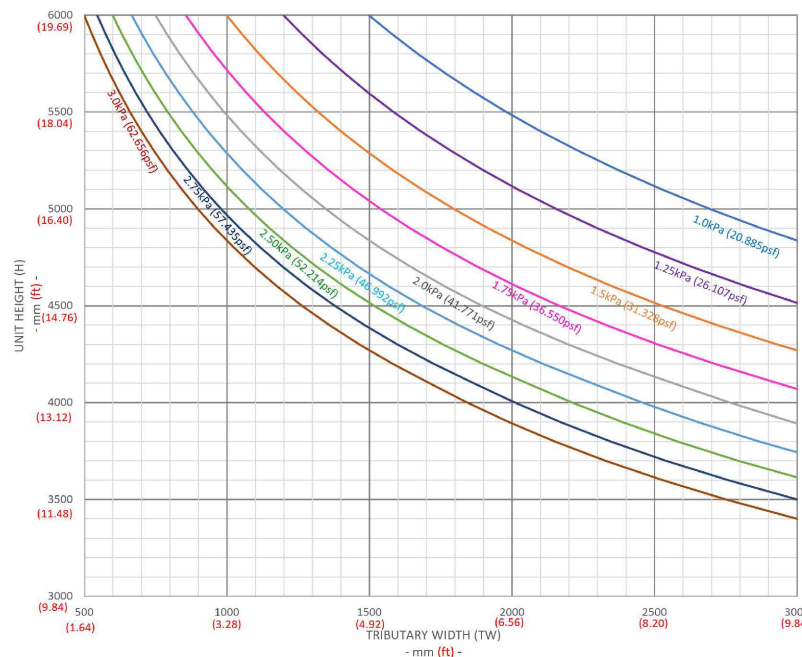
- 1.00 kPa (20.885 psf)
- 1.25 kPa (26.107 psf)
- 1.50 kPa (31.328 psf)
- 1.75 kPa (36.550 psf)
- 2.00 kPa (41.771 psf)
- 2.25 kPa (46.992 psf)
- 2.50 kPa (52.214 psf)
- 2.75 kPa (57.435 psf)
- 3.00 kPa (62.656 psf)



Deflection Criterion: L/175 OR L/240 + 1/4" (6.35mm)
Aluminum Alloy 6063-T6

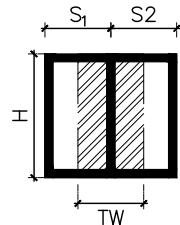
Mullion Depth $8\frac{1}{16}"$ [205mm]

- Total moment of inertia about x-axis:
 $I_x = 27\frac{2}{3} \text{ in}^4$ [1151.637 cm⁴]
- Total section modulus about x-axis:
 $S_{xx} = 6\frac{5}{8} \text{ in}^3$ [108.676 cm³]



WIND LOADS

- 1.00 kPa (20.885 psf)
- 1.25 kPa (26.107 psf)
- 1.50 kPa (31.328 psf)
- 1.75 kPa (36.550 psf)
- 2.00 kPa (41.771 psf)
- 2.25 kPa (46.992 psf)
- 2.50 kPa (52.214 psf)
- 2.75 kPa (57.435 psf)
- 3.00 kPa (62.656 psf)



Deflection Criterion: L/175 OR L/240 + 1/4" (6.35mm)
Aluminum Alloy 6063-T6