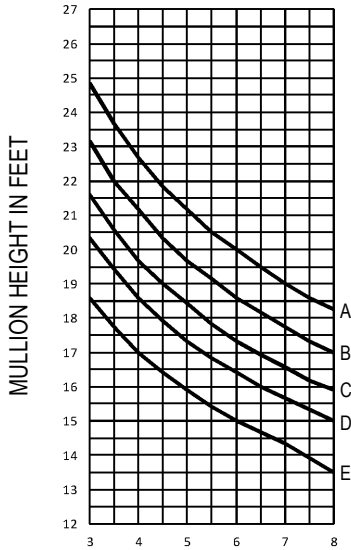# Windload Charts | T500 (OPG23011) Series

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A = 16 P.S.F. (766 Pa)
B = 20 P.S.F. (958 Pa)
C = 25 P.S.F. (1197 Pa)
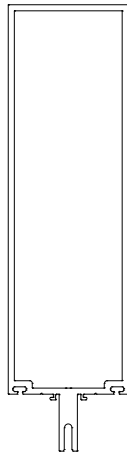D = 30 P.S.F. (1436 Pa)
E = 40 P.S.F. (1915 Pa)

Description: 2 1/2" X 10" With 1/4" - 1 1/8" Glass
Function: Curtain Wall
Detail: Design Criteria
Scale: N.T.S.   SHEET 1 OF 1
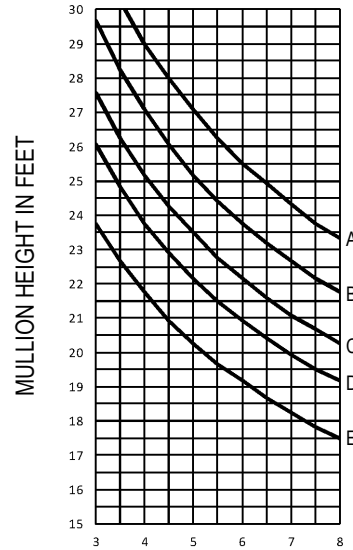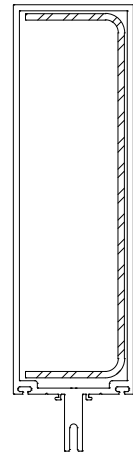
$I = 27.376 \text{ IN}^4$
$S = 5.850 \text{ IN}^3$

$I = 59.779 \text{ IN}^4$

MULLION HEIGHT IN FEET

MULLION SPACING IN FEET   OPG23011
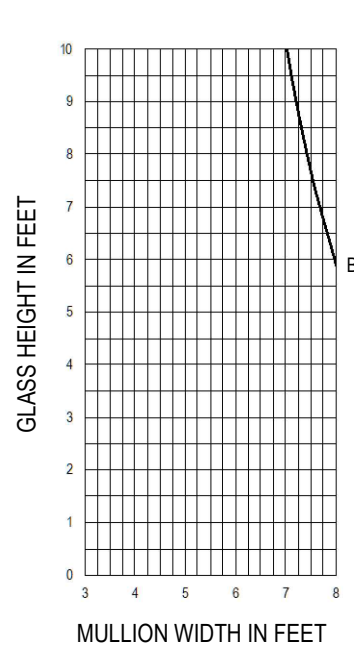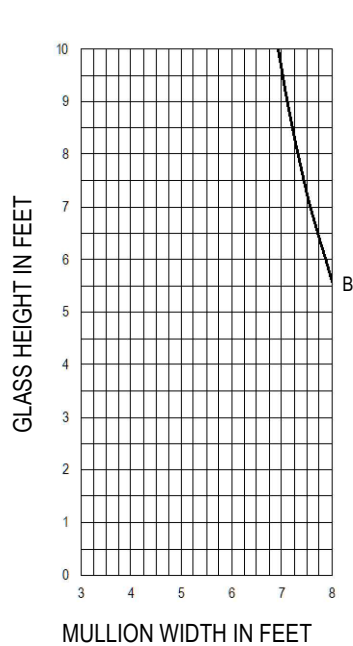
MULLION HEIGHT IN FEET

MULLION SPACING IN FEET

OPG23011 WITH
STEEL REINFORCEMENT
2" X 7 9/16" X 10 GA.

- Mullions are assumed to be single span, simple beam elements, uniformly loaded and adequately braced to prevent lateral-torsional buckling. All other complex design conditions shall be reviewed by Arcadia or a design professional.
- Aluminum extrusions shall be 6063-T6 alloy. Allowable stresses to be derived per Aluminum Design Manual. Deflection limitation of mullions shall be in accordance with AAMA TIR-A11 of L/175 for spans up to 13'-6" and L/240 + 1/4" for all others where L is equal to the span of mullion.
- A design professional shall be consulted to confirm that no lite of glass deflects more than H/175 or 3/4", whichever is less, where H indicates the height of glass.
- For mullions containing steel reinforcement, the reinforcement is assumed to be installed for the full length of the mullion. A design professional shall be consulted for instances where steel reinforcement is installed for a partial length of the mullion span.
- Windload pressure determinations shall be per ASCE 7 and according to local governing codes. A professional engineer shall be consulted for the most current laws and local building codes.
- Selection of perimeter fasteners and attachment of glazing system to building structure are project specific and therefore shall be reviewed and determined by a design professional.
- Arcadia assumes no responsibility for selecting the appropriate systems for specific projects.

Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.

Deadload Charts | T500 (OPG23011) Series

Description: 2 1/2" X 10" With 1/4" - 1 1/8" Glass
Function: Curtain Wall
Detail: Design Criteria
Deadload Charts for 1" Insulated Glass (7.00 psf) | Scale: N.T.S.   SHEET 1 OF 1

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$I = 3.142\ IN^4$
$S = 2.514\ IN^3$

GLASS HEIGHT IN FEET

MULLION WIDTH IN FEET   OPG23011 - 1" GLASS

$I = 3.319\ IN^4$
$S = 2.655\ IN^3$

GLASS HEIGHT IN FEET

MULLION WIDTH IN FEET   OPG23020 - 1" GLASS

CURVE REPRESENTATION

A (- - - -) = 1/8 PTS.

B (——) = 1/4 PTS.

$I = 1.164\ IN^4$
$S = 0.642\ IN^3$

GLASS HEIGHT IN FEET

MULLION WIDTH IN FEET   OPG23078 - 1" GLASS