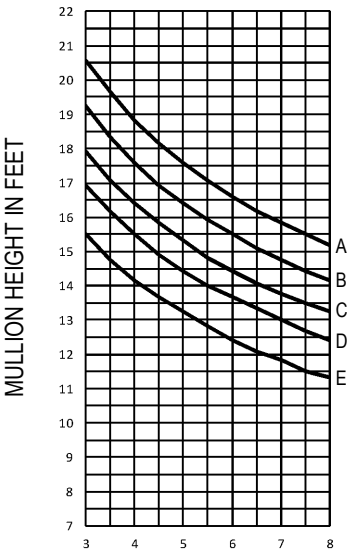
Windload Charts | T500 (OPG3007) Series

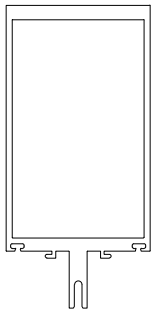
A = 16 P.S.F. (766 Pa)
B = 20 P.S.F. (958 Pa)
C = 25 P.S.F. (1197 Pa)
D = 30 P.S.F. (1436 Pa)
E = 40 P.S.F. (1915 Pa)

Description: 3" X 7" With 1/4" - 1 1/8" Glass
Function: Curtain Wall
Detail: Design Criteria
Scale: N.T.S.

I = 15.147 IN^4
S = 4.370 IN^3

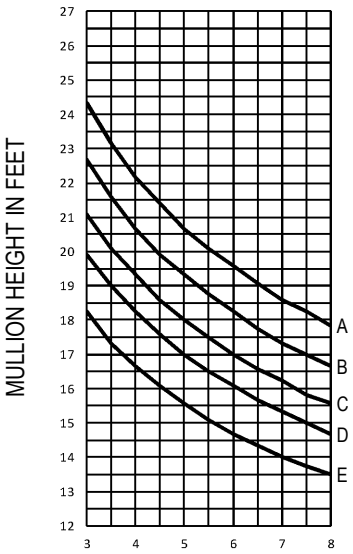


MULLION SPACING IN FEET

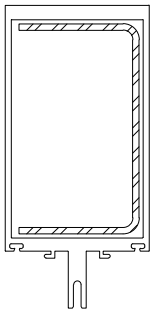


OPG31910

I = 25.594 IN ^{4}



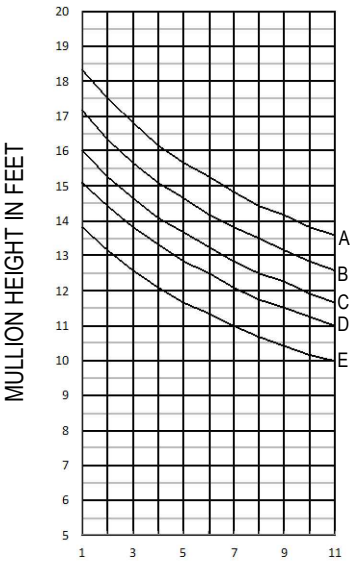
MULLION SPACING IN FEET



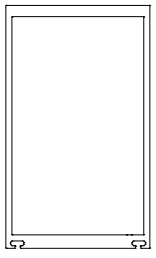
OPG31910 WITH
STEEL REINFORCEMENT
2 1/2" X 4 3/8" X 10 GA.

- 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.

I = 10.492 IN^4
S = 4.088 IN^3

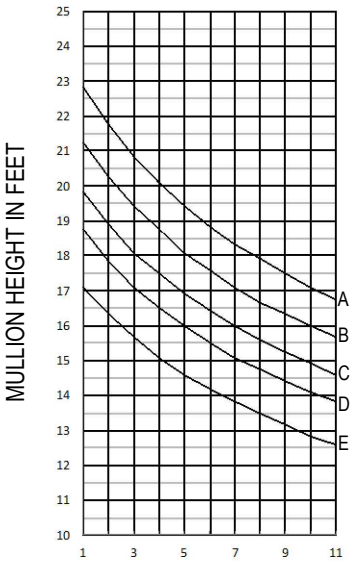


MULLION SPACING IN FEET

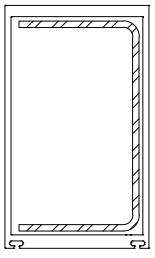


OPG31922

I = 20.943 IN ^{4}



MULLION SPACING IN FEET



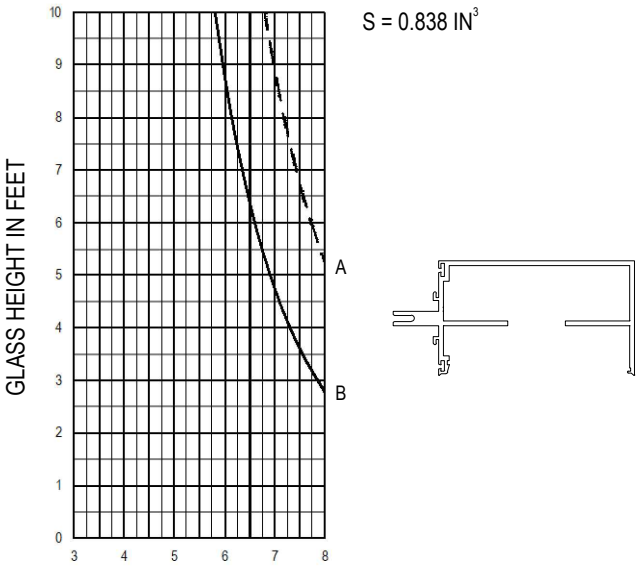
OPG31922 WITH
STEEL REINFORCEMENT
2 1/2" X 4 3/8" X 10 GA.

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

Deadload Charts | T500 (OPG3007) Series

Description: 3" X 7" With 1/4" - 1 1/8" Glass
Function: Curtain Wall
Detail: Design Criteria
Deadload Charts for 1" Glass (7.00 PSF) | Scale: N.T.S. SHEET 1 OF 1

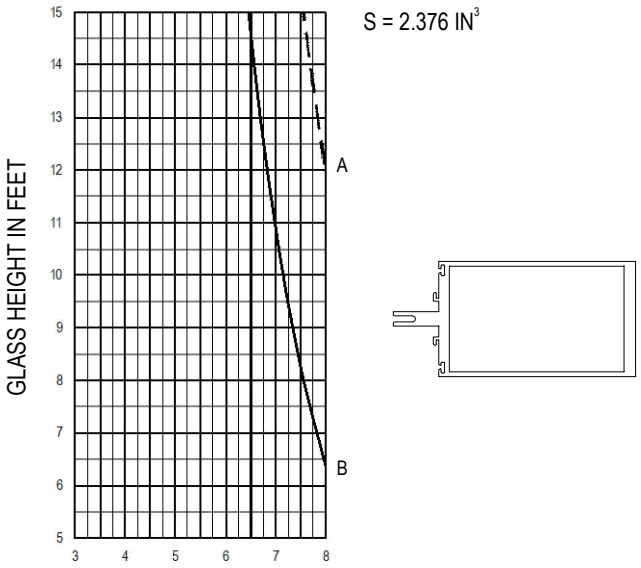
I = 1.559 IN^4
S = 0.838 IN^3



MULLION WIDTH IN FEET

OPG31902 - 1" GLASS

I = 3.564 IN^4
S = 2.376 IN^3

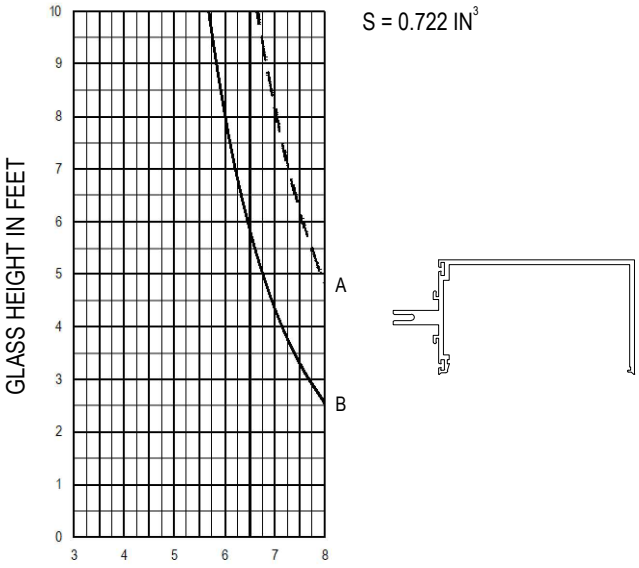


MULLION WIDTH IN FEET

OPG31910 - 1" GLASS

CURVE REPRESENTATION
A (- - - -) = 1/8 PTS.
B (▬) = 1/4 PTS.

I = 1.429 IN^4
S = 0.722 IN^3



MULLION WIDTH IN FEET

OPG31900 - 1" GLASS