



Windload Charts | T500 (OPG3010) Series

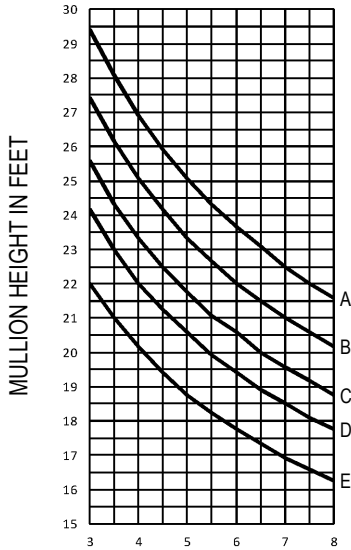
A = 16 P.S.F. (766 Pa)
B = 20 P.S.F. (958 Pa)
C = 25 P.S.F. (1197 Pa)
D = 30 P.S.F. (1436 Pa)
E = 40 P.S.F. (1915 Pa)

Description: 3" X 10" With 1/4" - 1 1/8" Glass
Function: Curtain Wall
Detail: Design Criteria
Scale: N.T.S.

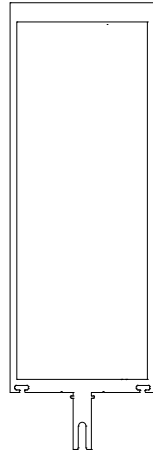
SHEET 1 OF 1

$$I = 46.940 \text{ IN}^4$$

$$S = 9.003 \text{ IN}^3$$

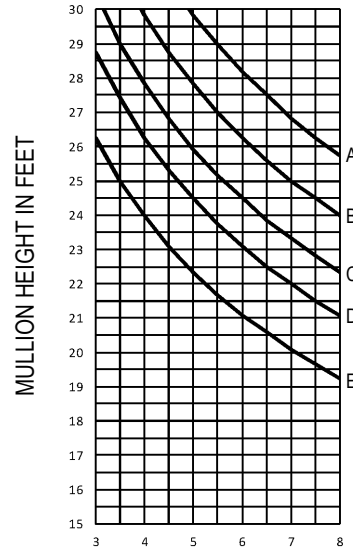


MULLION SPACING IN FEET

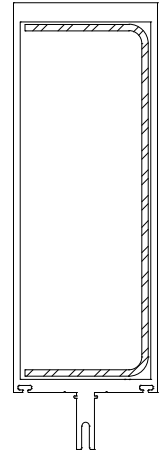


OPG30103

$$I = 81.753 \text{ IN}^4$$



MULLION SPACING IN FEET

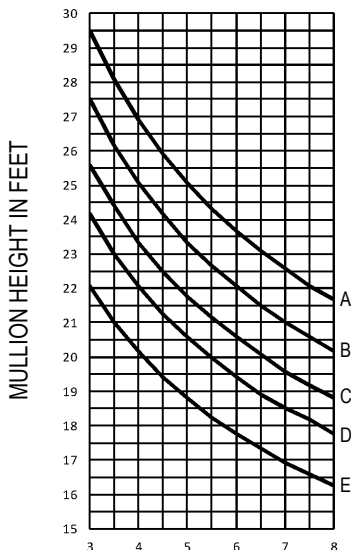


OPG30103 WITH
STEEL REINFORCEMENT
2 1/2" X 7 5/16" X 10 GA.

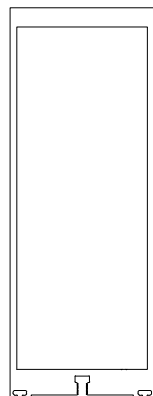
- Mullions are assumed to be single span, simple beam elements, uniformly loaded and adequately braced to prevent lateral-torsional buckling. All other complex design conditions shall be reviewed by Arcadia or a design professional.
- Aluminum extrusions shall be 6063-T6 alloy. Allowable stresses to 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.

$$I = 47.140 \text{ IN}^4$$

$$S = 11.160 \text{ IN}^3$$

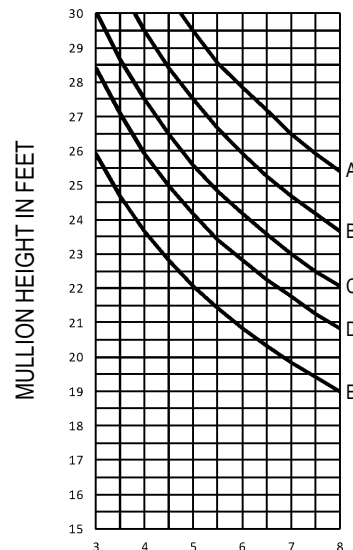


MULLION SPACING IN FEET

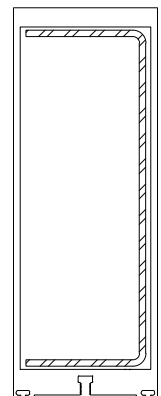


OPG30203

$$I = 78.509 \text{ IN}^4$$

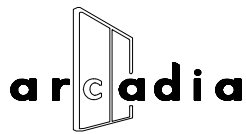


MULLION SPACING IN FEET



OPG30203 WITH
STEEL REINFORCEMENT
2 1/2" X 7" X 10 GA.

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



Deadload Charts | T500 (OPG3010) Series

Description: 3" X 10" With 1/4" - 1 1/8" Glass

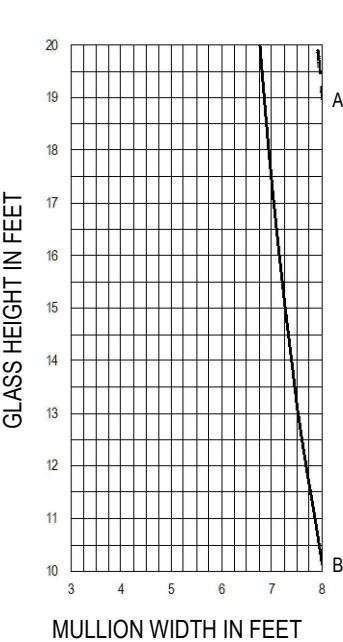
Function: Curtain Wall

Detail: Design Criteria

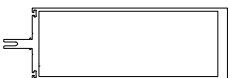
Scale: N.T.S.

Deadload Charts for 1" Insulated Glass (7.00 psf)

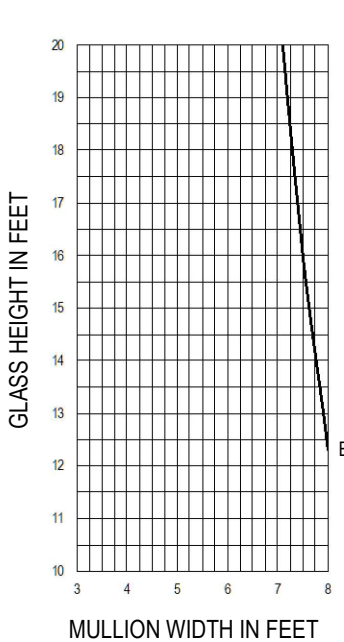
SHEET 1 OF 1



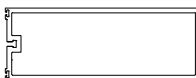
$I = 5.693 \text{ IN}^4$
 $S = 3.795 \text{ IN}^3$



OPG30103 - 1" GLASS

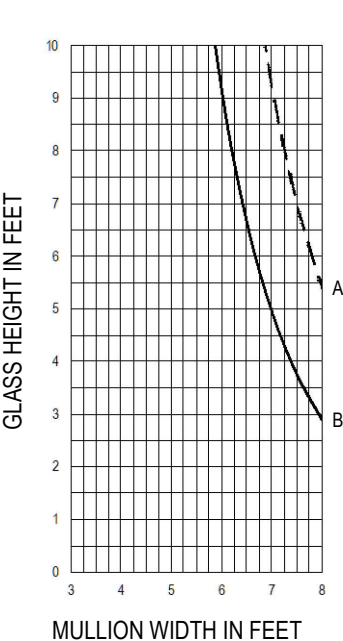


$I = 6.918 \text{ IN}^4$
 $S = 4.612 \text{ IN}^3$



OPG30203 - 1" GLASS

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



$I = 1.623 \text{ IN}^4$
 $S = 0.764 \text{ IN}^3$



OPG30783 / OPG3001 - 1" GLASS