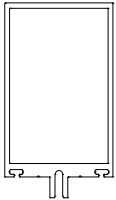
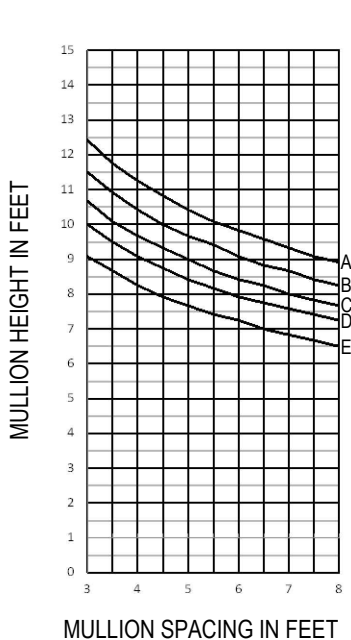


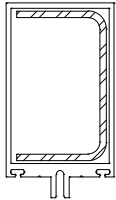
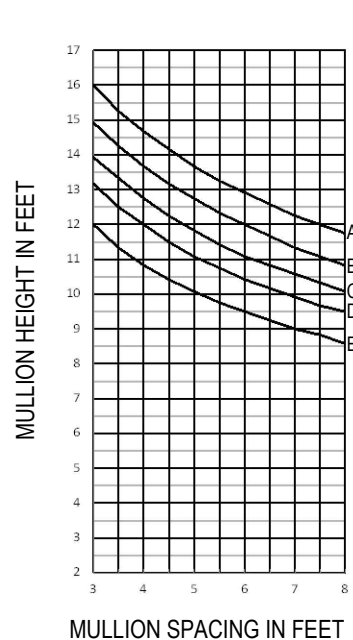
Windload Charts | T500 (OPG5000) Series

A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 4 3/4" With 1/4" - 3/8" Glass
 B = 20 P.S.F. (958 Pa) Function: Curtain Wall
 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria
 D = 30 P.S.F. (1436 Pa) Scale: N.T.S.
 E = 40 P.S.F. (1915 Pa)

SHEET 1 OF 3

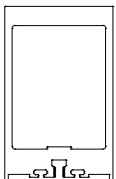
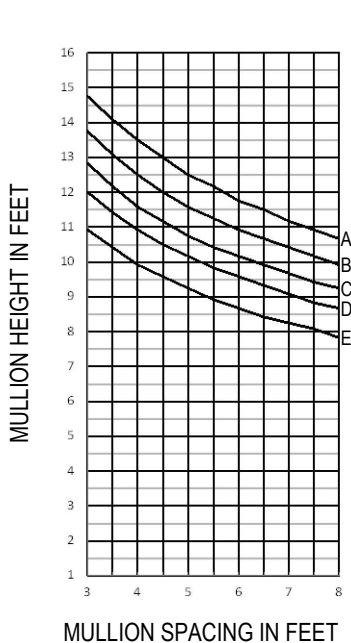


OPG5010

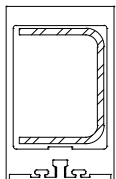
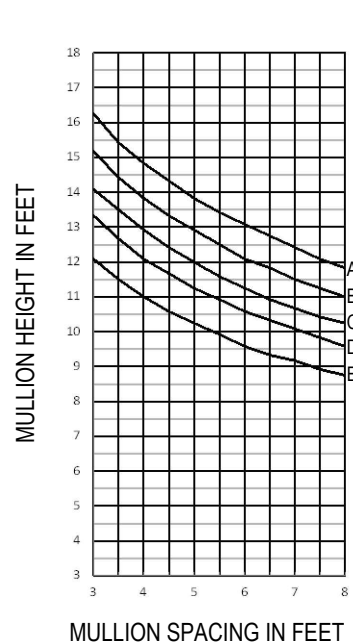


OPG5010 WITH
STEEL REINFORCEMENT
1 7/8" X 3 1/8" X 10 GA.

- 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.

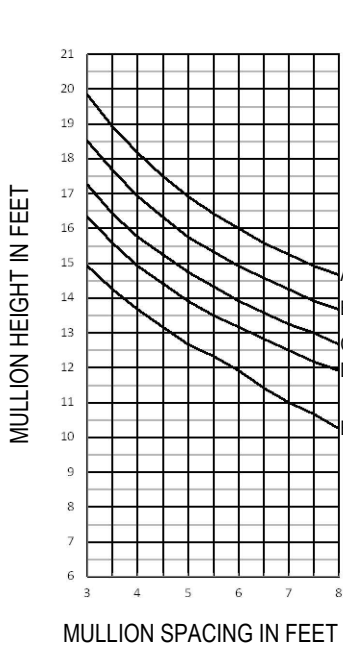


OPG1522



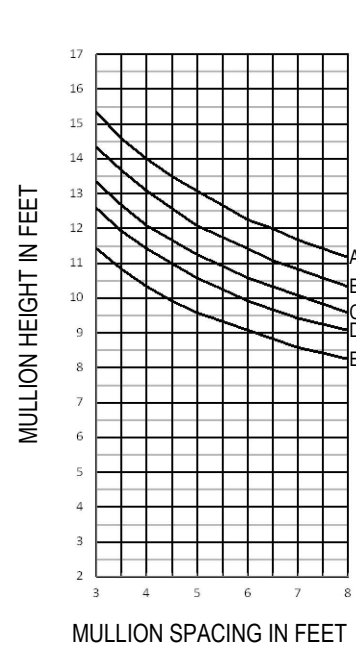
OPG1522 WITH
STEEL REINFORCEMENT
1 3/4" X 2 3/8" X 10 GA.

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



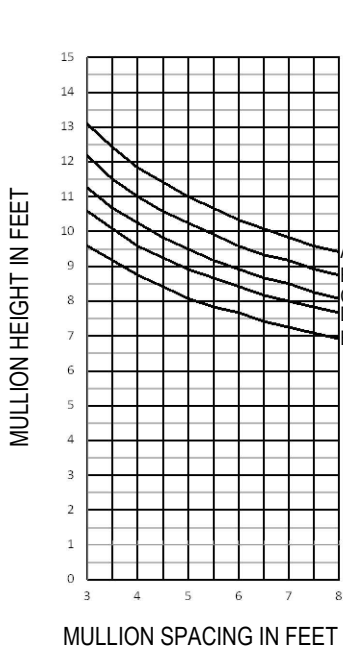
$$I = 13.431 \text{ IN}^4$$

$$S = 3.146 \text{ IN}^3$$



$$I = 5.845 \text{ IN}^4$$

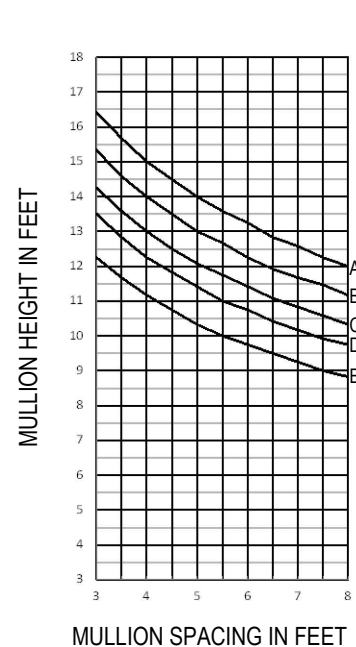
$$S = 2.250 \text{ IN}^3$$



$$I = 2.987 \text{ IN}^4$$

$$S_1 = 2.741 \text{ IN}^3$$

$$S_2 = 2.157 \text{ IN}^3$$

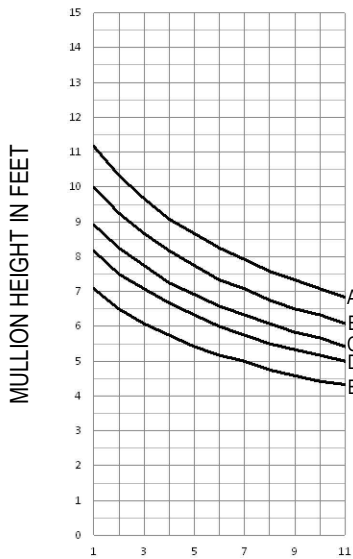


$$I = 7.274 \text{ IN}^4$$

OPG5010 / OPG313MOD3
STEEL REINFORCEMENT
1 3/4" X 2 3/8" X 10 GA.

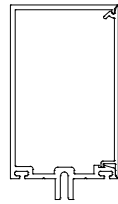
$$I = 13.431 \text{ IN}^4$$

$$S = 3.146 \text{ IN}^3$$

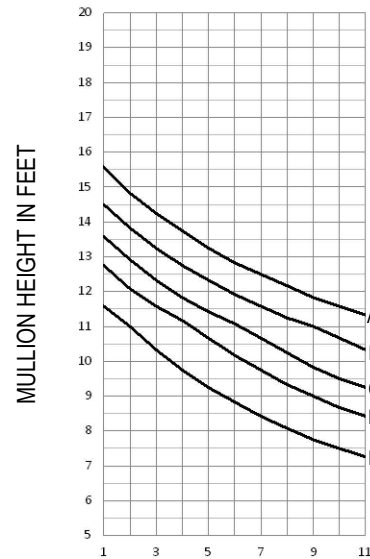


MULLION SPACING IN FEET

OPG5078/OPG5001

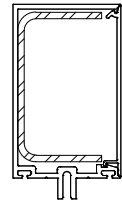


$$I = 6.131 \text{ IN}^4$$



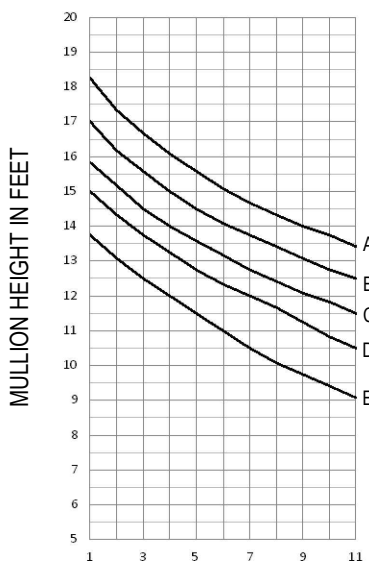
MULLION SPACING IN FEET

OPG5078/OPG5001 WITH
STEEL REINFORCEMENT
1 3/4" X 3 1/8" X 10 GA.



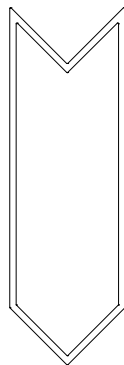
$$I = 10.229 \text{ IN}^4$$

$$S_1 = 2.678 \text{ IN}^3$$

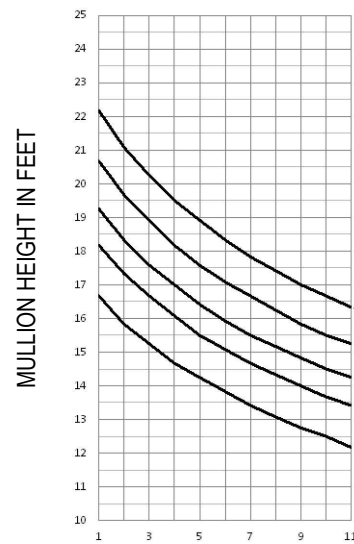


MULLION SPACING IN FEET

ICOC755

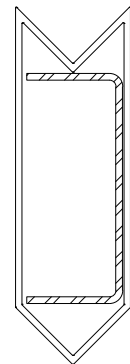


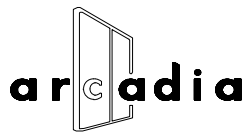
$$I = 19.097 \text{ IN}^4$$



MULLION SPACING IN FEET

ICOC755 WITH
STEEL REINFORCEMENT
1 7/8" X 4 1/2" X 10 GA





Deadload Charts | T500 (OPG5000) Series

Description: 2 1/4" X 4 3/4" With 1/4" - 3/8" Glass

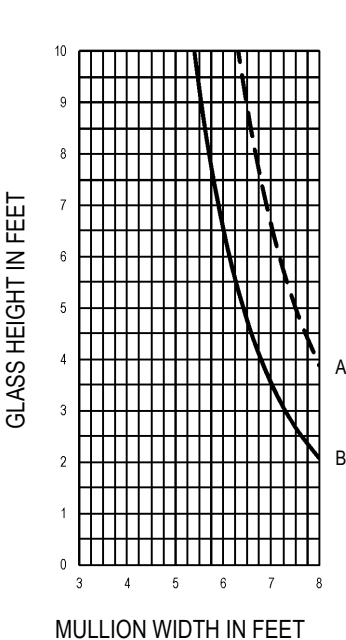
Function: Curtain Wall

Detail: Design Criteria

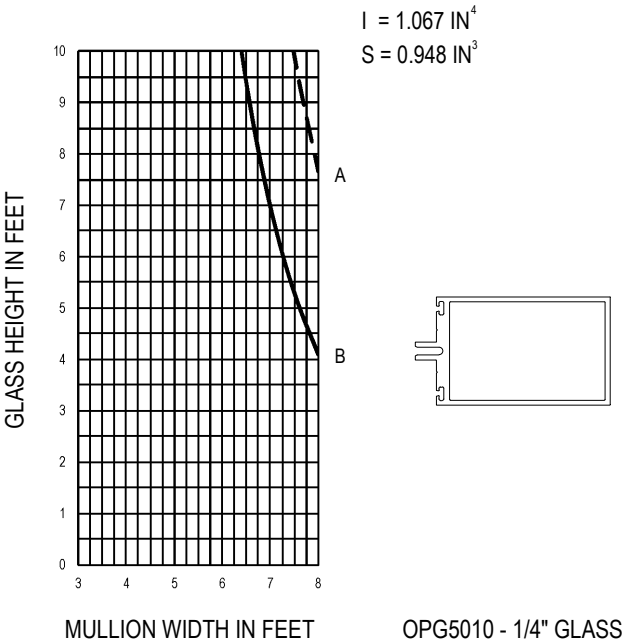
Scale: N.T.S.

Deadload Charts for 1/4" Glass (3.25 PSF)

SHEET 1 OF 2

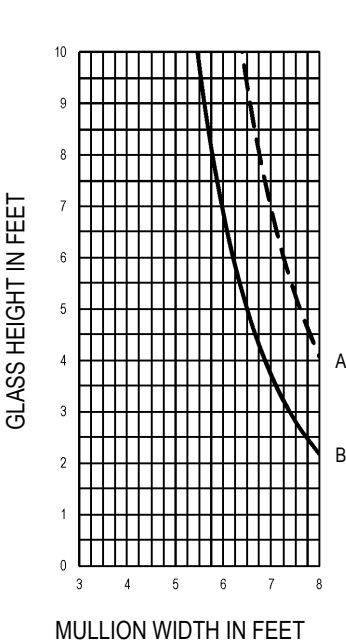


OPG5000 - 1/4" GLASS

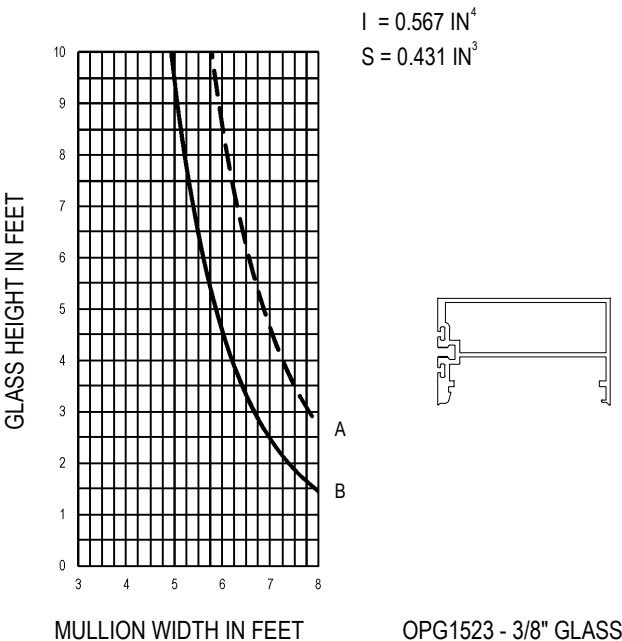


OPG5010 - 1/4" GLASS

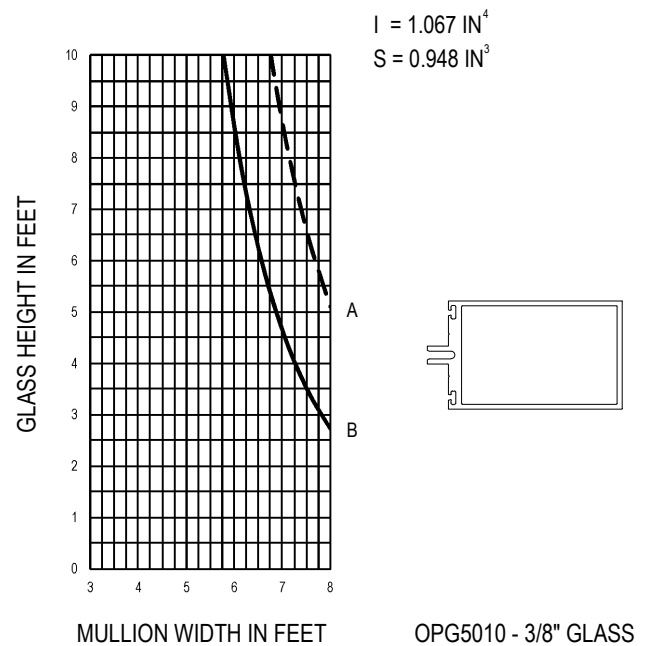
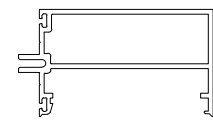
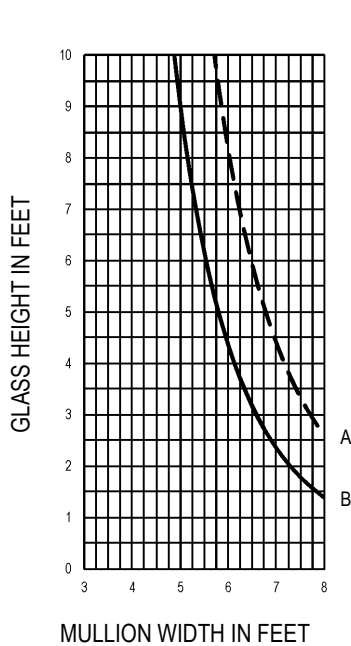
CURVE REPRESENTATION
A (----) = 1/8 PTS.
B (—) = 1/4 PTS.



OPG1523 - 1/4" GLASS



OPG1523 - 3/8" GLASS



CURVE REPRESENTATION

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

B (—) = 1/4 PTS.

