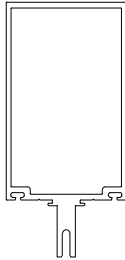
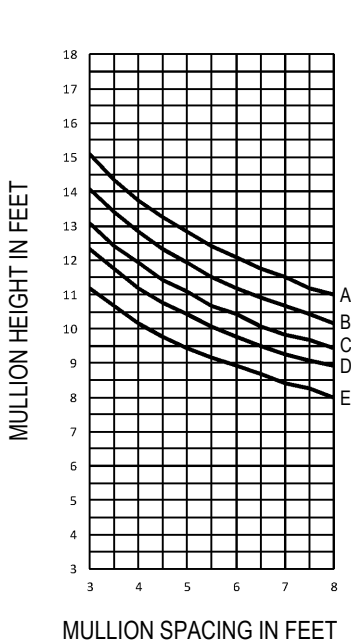


Windload Charts | T500 (OPG25600) Series

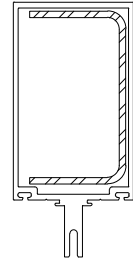
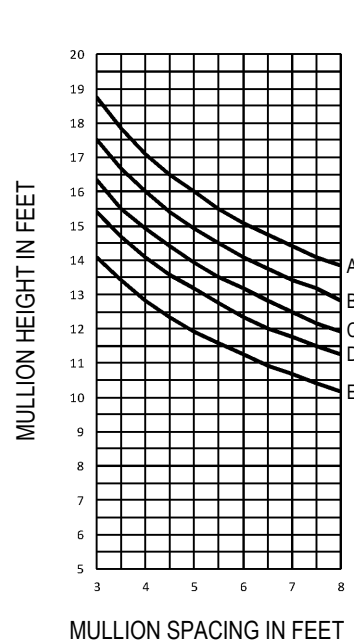
A = 16 P.S.F. (766 Pa)
 B = 20 P.S.F. (958 Pa)
 C = 25 P.S.F. (1197 Pa)
 D = 30 P.S.F. (1436 Pa)
 E = 40 P.S.F. (1915 Pa)

Description: 2 1/2" X 6" With 1/4" - 1 1/8" Glass
 Function: Curtain Wall
 Detail: Design Criteria
 Scale: N.T.S.

SHEET 1 OF 1

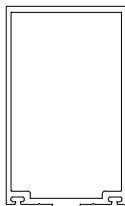
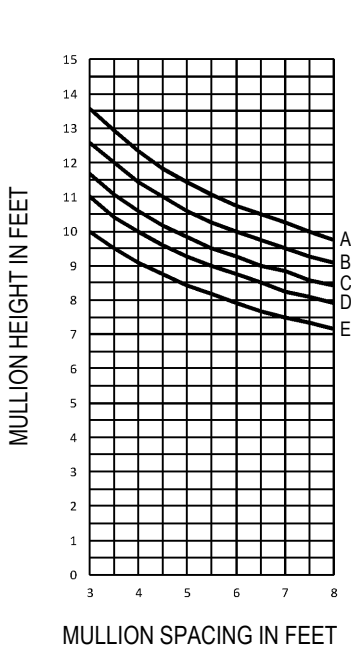


OPG25610

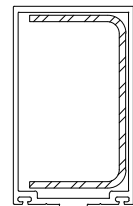
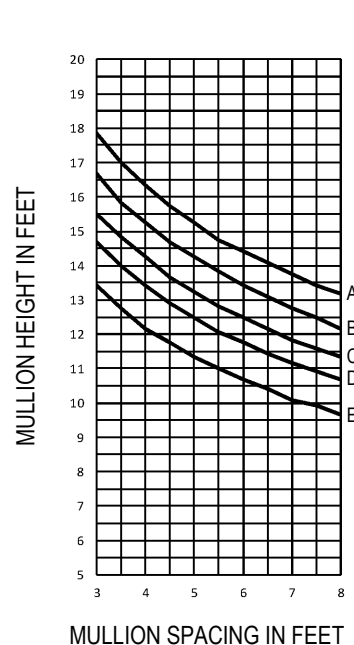


OPG25610 WITH
STEEL REINFORCEMENT
2" X 3 5/8" X 10 GA.

- 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.



OPG25610 (MOD.)



OPG25610 (MOD.) WITH
STEEL REINFORCEMENT
2" X 3 5/8" X 10 GA.

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



Deadload Charts | T500 (OPG25600) Series

Description: 2 1/2" X 6" With 1/4" - 1 1/8" Glass

Function: Curtain Wall

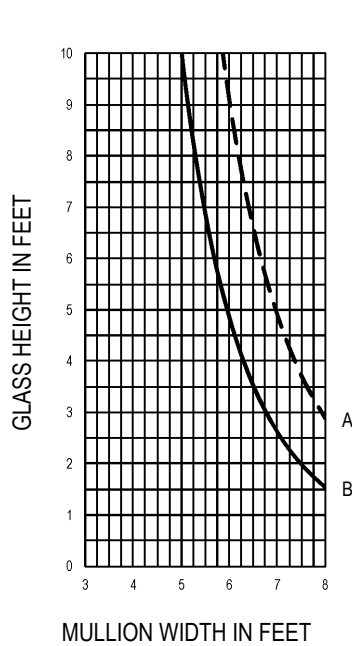
Detail: Design Criteria

Scale: N.T.S.

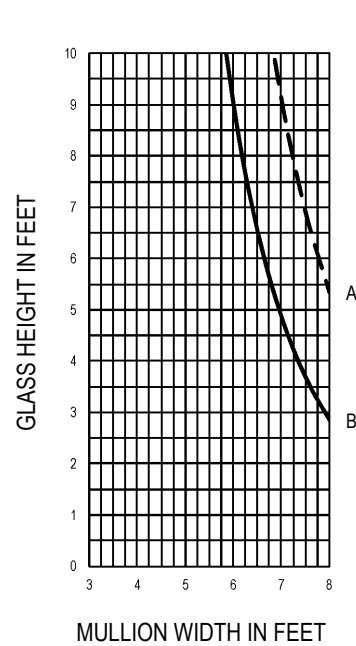
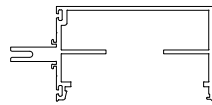
Deadload Charts for 1/2" Glass (6.50 PSF)

5/8" Glass (8.13 PSF)

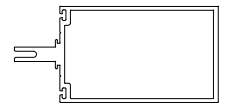
SHEET 1 OF 1



$$I = 0.802 \text{ IN}^4$$
$$S = 0.302 \text{ IN}^3$$



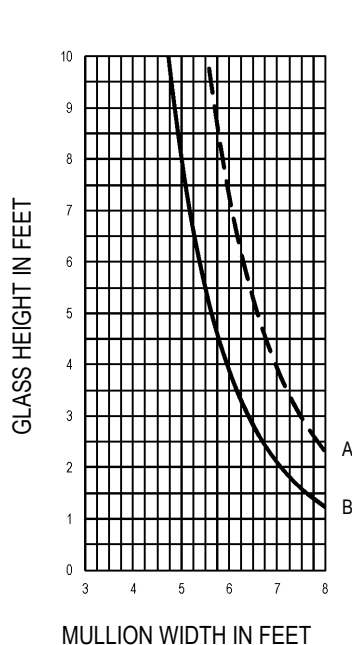
$$I = 1.491 \text{ IN}^4$$
$$S = 1.193 \text{ IN}^3$$



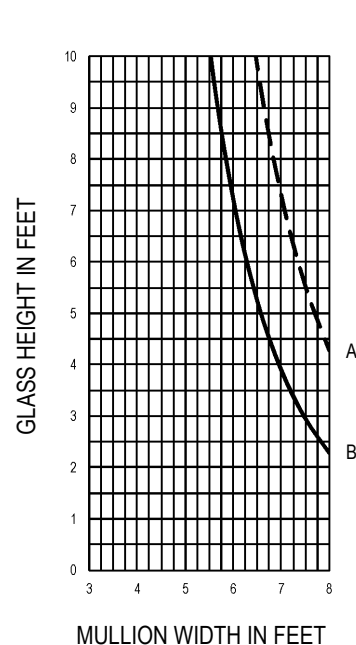
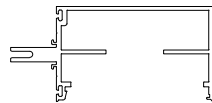
CURVE REPRESENTATION

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

B (—) = 1/4" PTS.



$$I = 0.802 \text{ IN}^4$$
$$S = 0.302 \text{ IN}^3$$



$$I = 1.491 \text{ IN}^4$$
$$S = 1.193 \text{ IN}^3$$

