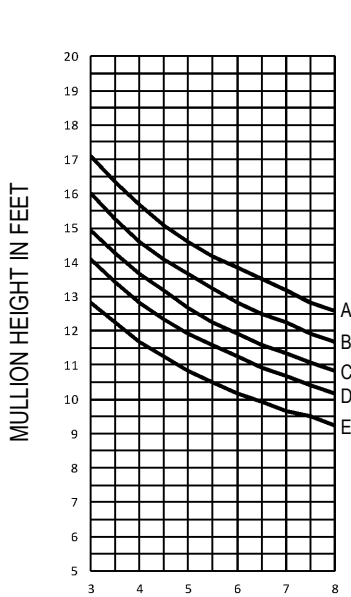


# Windload Charts | Ti Beam (1)-T500

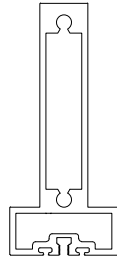
A = 16 P.S.F. (766 Pa)  
 B = 20 P.S.F. (958 Pa)  
 C = 25 P.S.F. (1197 Pa)  
 D = 30 P.S.F. (1436 Pa)  
 E = 40 P.S.F. (1915 Pa)

Description: 2 1/4" X 6 1/2" With 1" Glass  
 Function: Structural Silicone Glazed (SSG)  
 Detail: Design Criteria  
 Scale: N.T.S.

SHEET 1 OF 1

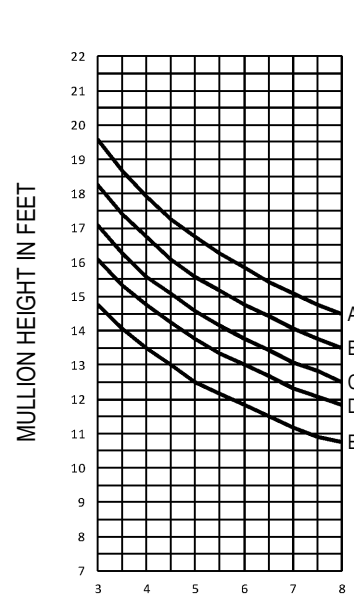


$I = 8.347 \text{ IN}^4$   
 $S = 2.349 \text{ IN}^3$

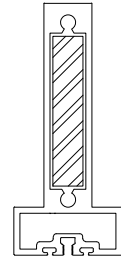


MULLION SPACING IN FEET

IBWVERT525



$I = 12.934 \text{ IN}^4$

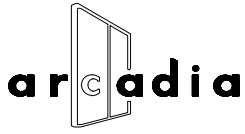


MULLION SPACING IN FEET

IBWVERT525 WITH  
 STEEL REINFORCEMENT  
 5/8" X 3 1/8" BAR

- 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.



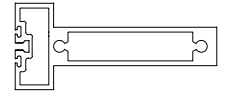
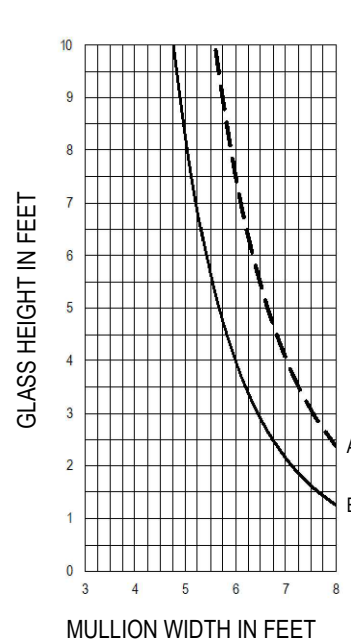
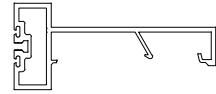
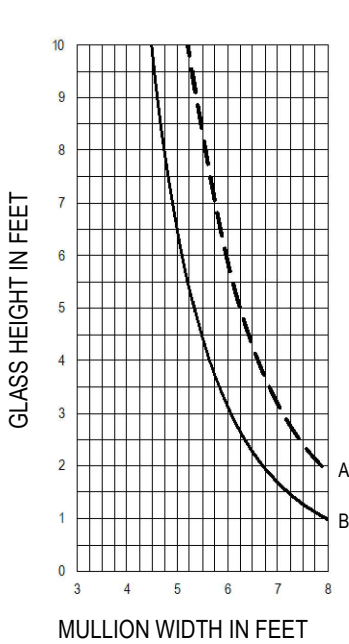
# Deadload Charts | Ti Beam (1)-T500

Description: 2 1/4" X 6 1/2" With 1" Glass  
 Function: Structural Silicone Glazed (SSG)  
 Detail: Design Criteria

Deadload Charts for 1" Glass

Scale: N.T.S.

SHEET 1 OF 1



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