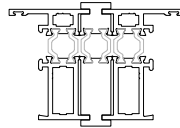
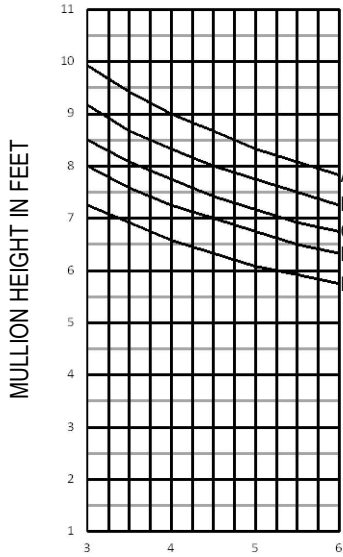


Windload Charts | T225 Series

A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 2 5/16" Thermally Broken Window
 B = 20 P.S.F. (958 Pa) Function: Window
 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)

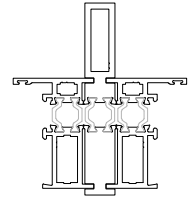
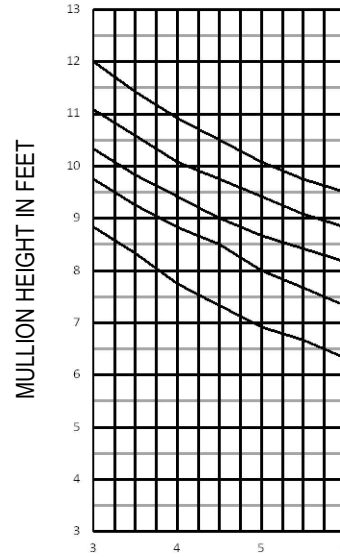
SHEET 1 OF 1

$$\begin{aligned}
 I_1 &= 0.701 \text{ IN}^4 & I_2 &= 0.411 \text{ IN} \\
 I_T &= 1.523 \text{ IN}^4 \\
 S_1 &= 0.498 \text{ IN}^3 & S_2 &= 0.329 \text{ IN}
 \end{aligned}$$



MULLION SPACING IN FEET 2 9/16" DEPTH - (2) 14537 / 14912

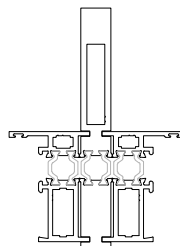
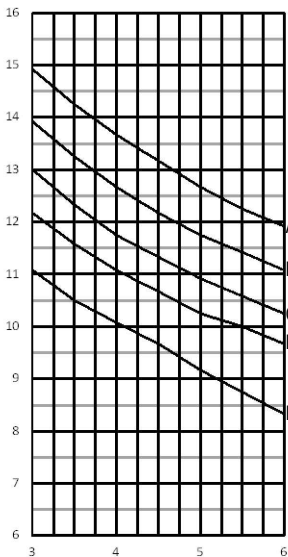
$$\begin{aligned}
 I_1 &= 1.892 \text{ IN}^4 & I_2 &= 0.411 \text{ IN} \\
 I_T &= 2.714 \text{ IN}^4 \\
 S_1 &= 0.834 \text{ IN}^3 & S_2 &= 0.329 \text{ IN}
 \end{aligned}$$



MULLION SPACING IN FEET 4" DEPTH - (2) 14537 / 14530

- 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.

$$\begin{aligned}
 I_1 &= 4.540 \text{ IN}^4 & I_2 &= 0.411 \text{ IN} \\
 I_T &= 5.362 \text{ IN}^4 \\
 S_1 &= 1.758 \text{ IN}^3 & S_2 &= 0.329 \text{ IN}
 \end{aligned}$$



5" DEPTH - (2) 14537 / 14529

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