Windload Charts | AG601 Series

arcadia

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" X 6" Center Glazed for 1" Glass
Function: Window Walls
Detail: Design Criteria
Scale: N.T.S.   SHEET 1 OF 1

$I = 6.240 \text{ IN}^4$

$S_1 = 1.690 \text{ IN}^3$ $S_2 = 0.431 \text{ IN}^3$

MULLION HEIGHT IN FEET

MULLION SPACING IN FEET   28239 / 28270

$I = 11.903 \text{ IN}^4$

MULLION HEIGHT IN FEET
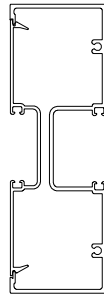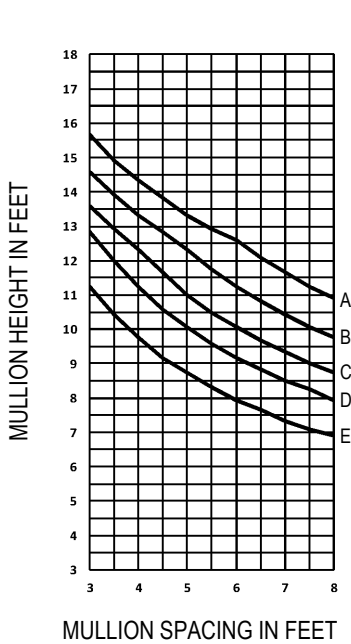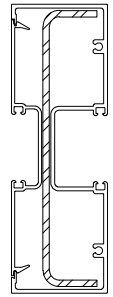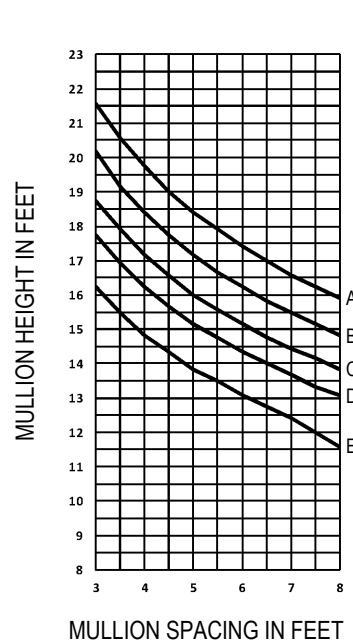
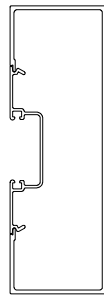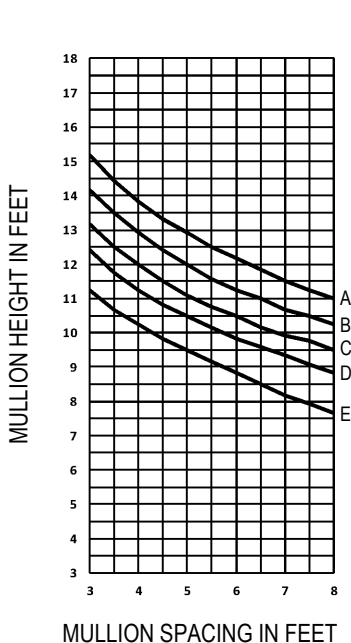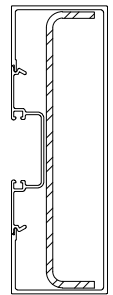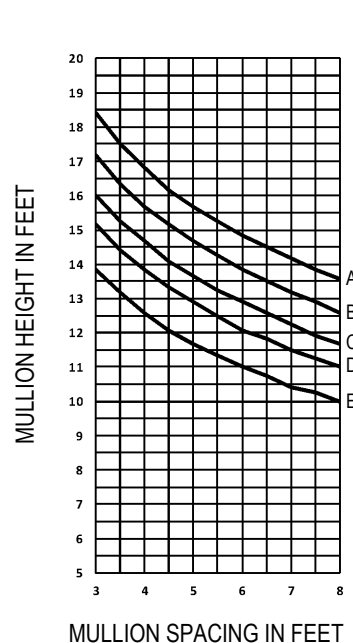MULLION SPACING IN FEET   28239 / 28270 WITH STEEL REINFORCEMENT 1 1/8" X 5 3/4" X 10 GA.

- 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.
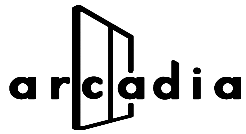- Arcadia assumes no responsibility for selecting the appropriate systems for specific projects.

$I = 5.646 \text{ IN}^4$

$S_1 = 1.749 \text{ IN}^3$ $S_2 = 0.228 \text{ IN}^3$

MULLION HEIGHT IN FEET

MULLION SPACING IN FEET   26230 / GF200

$I = 10.525 \text{ IN}^4$

MULLION HEIGHT IN FEET

MULLION SPACING IN FEET   26230 / GF200 WITH STEEL REINFORCEMENT 1" X 5 3/4" X 10 GA.

Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.
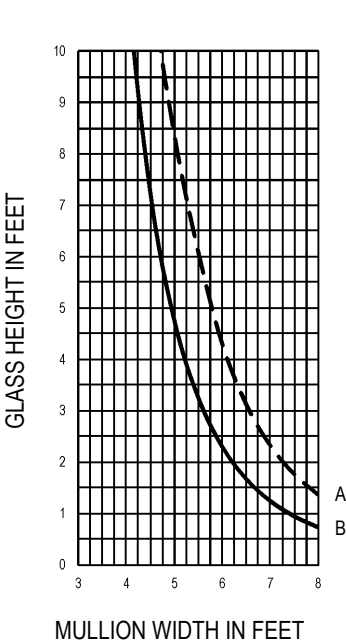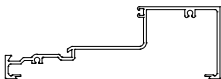
$I = 0.379 \text{ IN}^4$

$S = 0.363 \text{ IN}^3$

GLASS HEIGHT IN FEET

MULLION WIDTH IN FEET

28263 - 1" GLASS

CURVE REPRESENTATION

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

B (——) = 1/4" PTS.