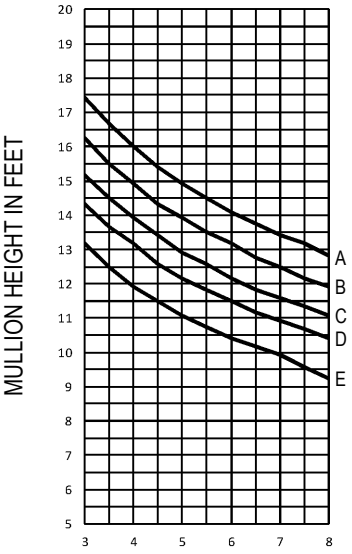
# Windload Charts | T500 (OPG2900) Series

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)

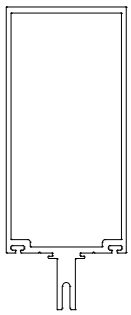
Description: 2 1/2" X 7" With 1/4" - 1 1/8" Glass
Function: Curtain Wall
Detail: Design Criteria
Scale: N.T.S.



I = 8.903 IN$^4$
S = 2.784 IN$^3$

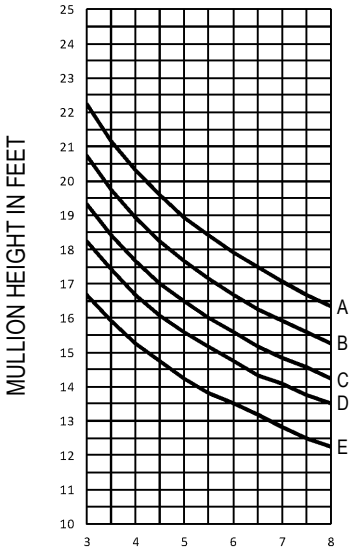



MULLION SPACING IN FEET

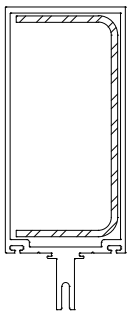


OPG2910

I = 19.321 IN$^4$



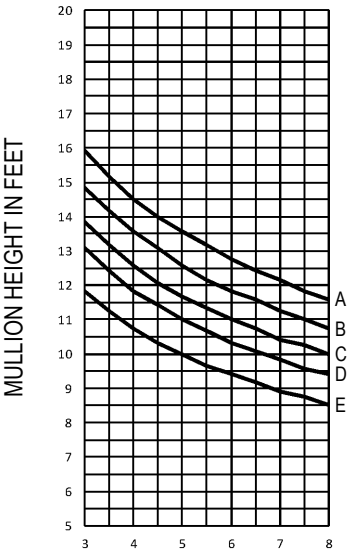

MULLION SPACING IN FEET



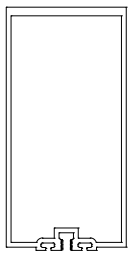
OPG2910 WITH
STEEL REINFORCEMENT
2 1/8" X 4 5/8" X 10 GA.

- 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.

I = 6.566 IN$^4$
S = 2.503 IN$^3$

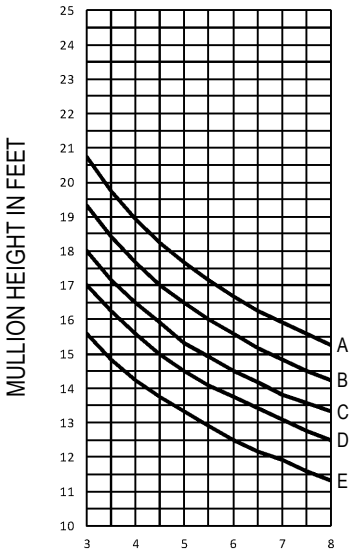



MULLION SPACING IN FEET

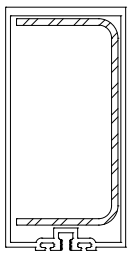


OPG2920

I = 15.406 IN$^4$




MULLION SPACING IN FEET



OPG2920 WITH
STEEL REINFORCEMENT
2 1/8" X 4 5/16" X 10 GA.

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

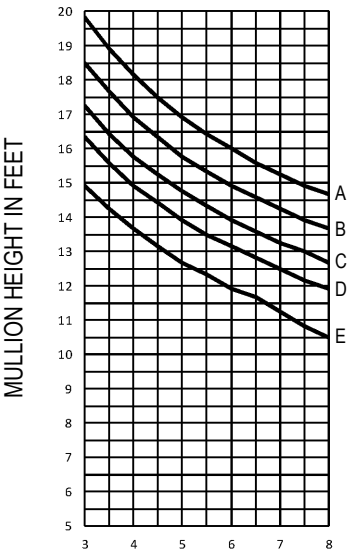
# Windload Charts | T500 (OPG2900) Series

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)

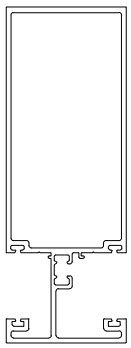
Description: 2 1/2" X 7" With 1/4" - 1 1/8" Glass
Function: Curtain Wall
Detail: Design Criteria
Scale: N.T.S.



I = 13.421 IN$^4$
S = 3.562 IN$^3$

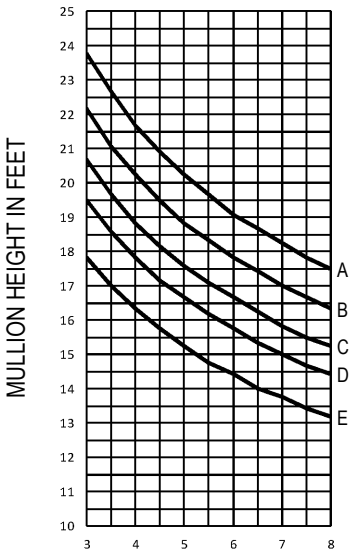



MULLION SPACING IN FEET

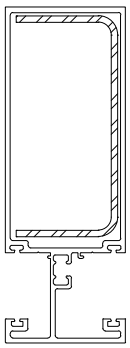


OPG2911T

I = 23.839 IN$^4$



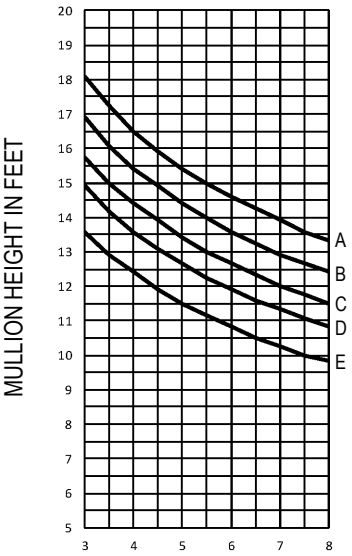

MULLION SPACING IN FEET



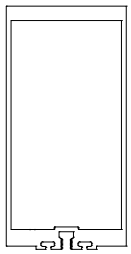
OPG2911T WITH
STEEL REINFORCEMENT
2 1/8" X 4 5/8" X 10 GA.

- 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.

I = 9.990 IN$^4$
S = 3.907 IN$^3$

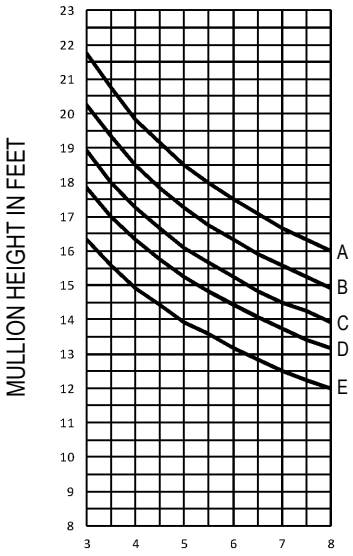



MULLION SPACING IN FEET

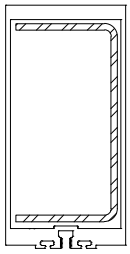


OPG2922

I = 17.969 IN$^4$




MULLION SPACING IN FEET



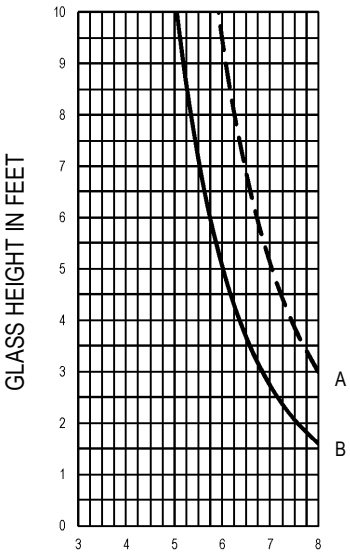
OPG2922 WITH
STEEL REINFORCEMENT
2 1/8" X 4 1/8" X 10 GA.

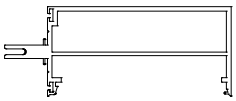
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.

# Deadload Charts | T500 (OPG2900) Series

Description: 2 1/2" X 7" With 1/4" - 1 1/8" Glass
Function: Curtain Wall
Detail: Design Criteria
Deadload Charts for 1" Insulated Glass (7.00 psf) | Scale: N.T.S. SHEET 1 OF 1

I = 0.898 IN$^4$
S = 0.589 IN$^3$

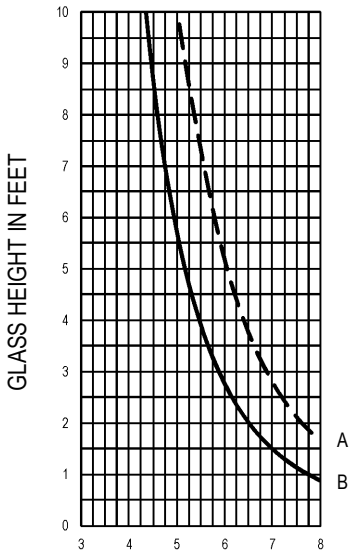


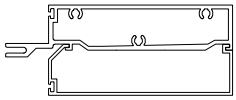



MULLION WIDTH IN FEET

OPG2900 - 1" GLASS

I = 0.474 IN$^4$
S = 0.657 IN$^3$



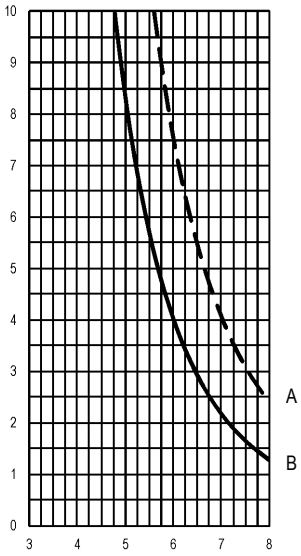



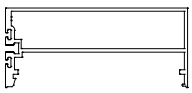
MULLION WIDTH IN FEET

OPG25700 / OPG25701 - 1" GLASS

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

I = 0.665 IN$^4$
S = 0.488 IN$^3$



OPG1927 - 1" GLASS