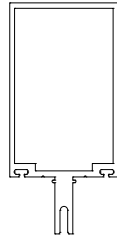
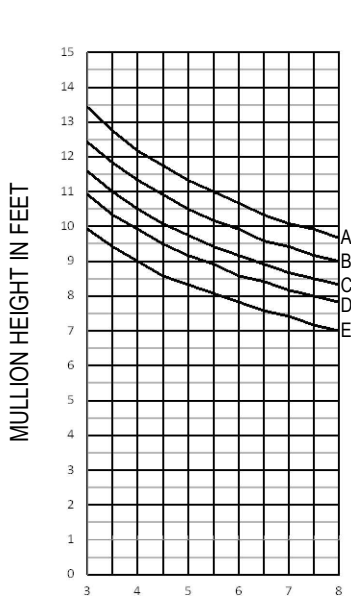


# Windload Charts | T500 (OPG1500) Series

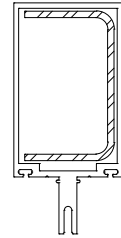
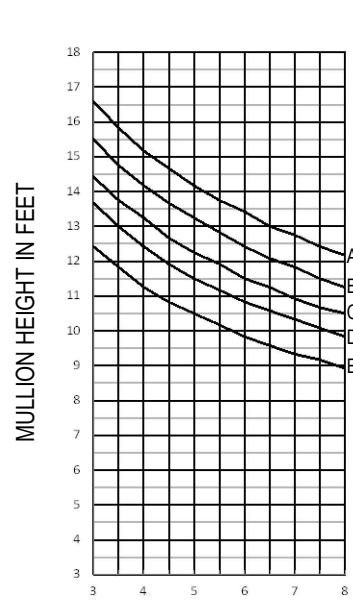
A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 5 1/2" With 1/4" - 1 1/8" Glass  
 B = 20 P.S.F. (958 Pa) Function: Curtain Wall  
 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria  
 D = 30 P.S.F. (1436 Pa) Scale: N.T.S.  
 E = 40 P.S.F. (1915 Pa)

SHEET 1 OF 2



MULLION SPACING IN FEET

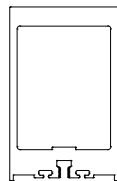
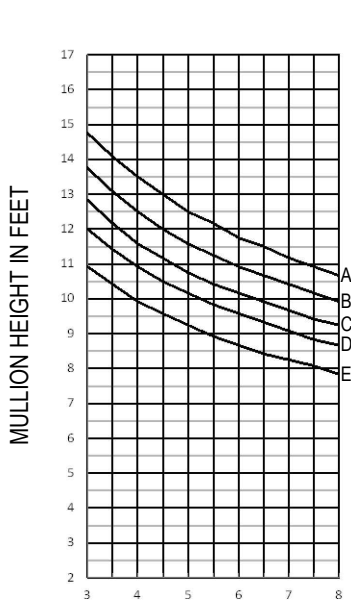
OPG1510



MULLION SPACING IN FEET

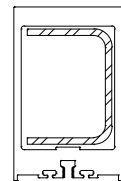
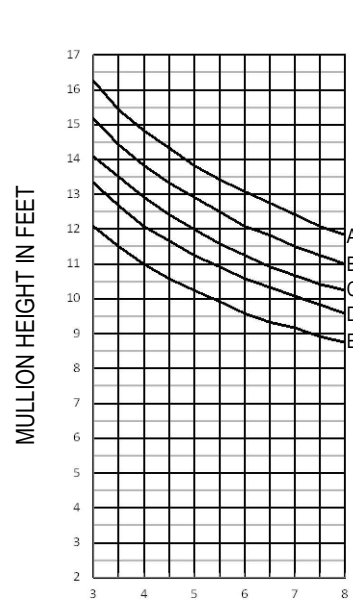
OPG1510 WITH  
STEEL REINFORCEMENT  
1 7/8" X 3 1/8" X 10 GA.

- 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.



MULLION SPACING IN FEET

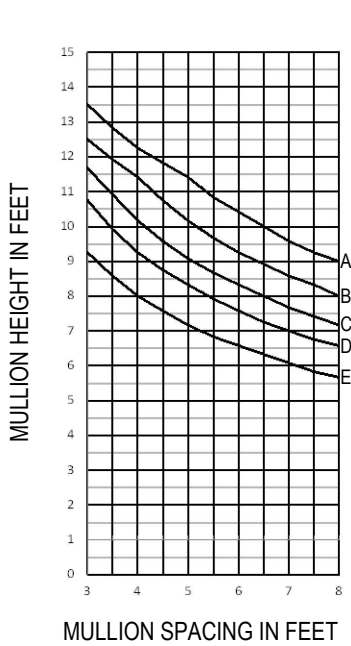
OPG1522



MULLION SPACING IN FEET

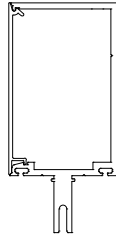
OPG1522 WITH  
STEEL REINFORCEMENT  
1 3/4" X 2 3/8" X 10 GA.

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

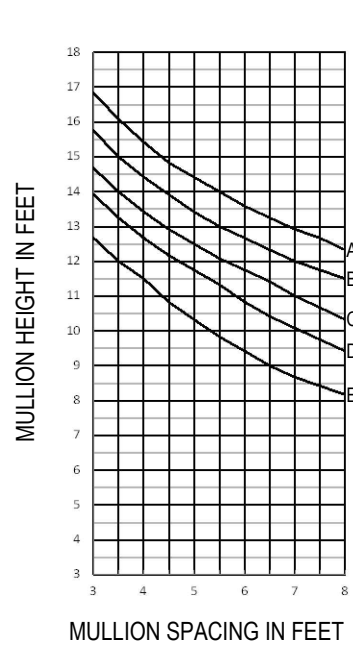


$$I = 3.883 \text{ IN}^4$$

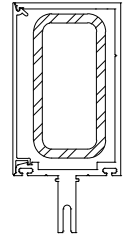
$$S = 1.429 \text{ IN}^3 \quad S_2 = 0.202 \text{ IN}^3$$



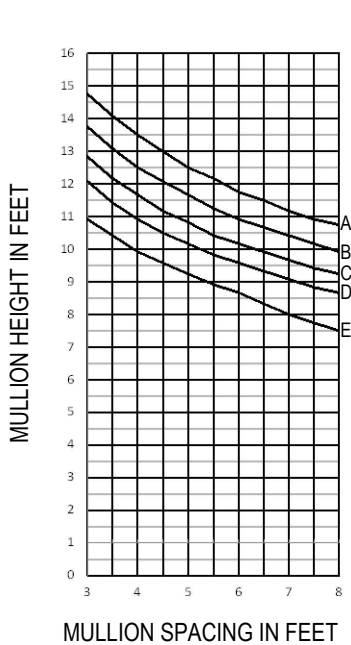
OPG1578 / OPG5001



$$I = 7.958 \text{ IN}^4$$

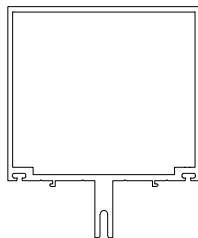


OPG1578 / OPG5001 WITH  
STEEL REINFORCEMENT  
HSS 3" X 1 1/2" X 3/16"

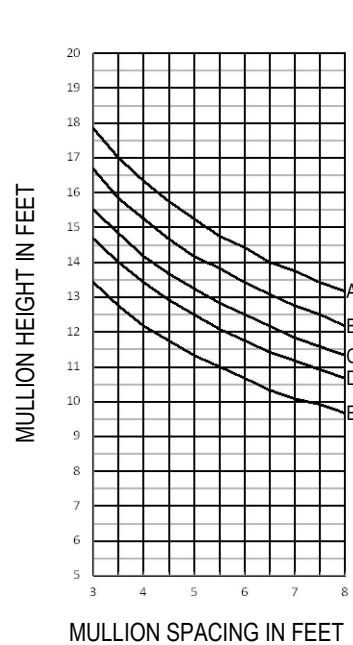


$$I = 5.167 \text{ IN}^4$$

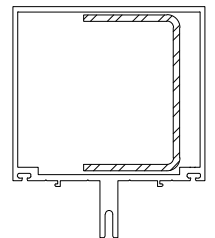
$$S = 2.078 \text{ IN}^3$$



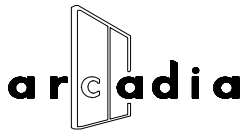
OPG1540



$$I = 9.529 \text{ IN}^4$$



OPG1540 WITH  
STEEL REINFORCEMENT  
2" X 3 1/4" X 10 GA.



# Deadload Charts | T500 (OPG1500) Series

Description: 2 1/4" X 5 1/2" With 1/4" - 1 1/8" Glass

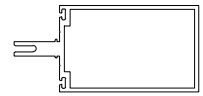
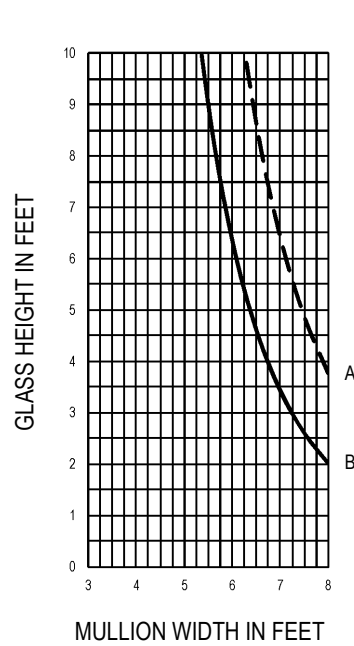
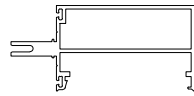
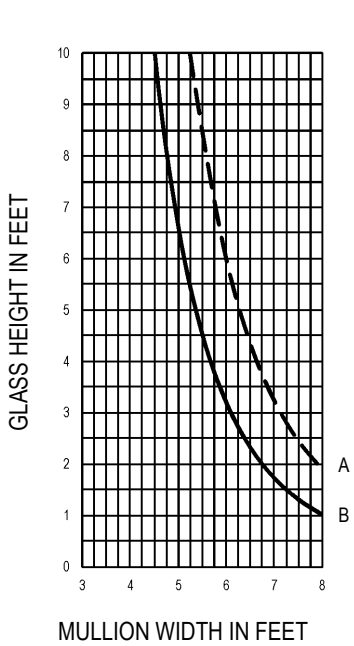
Function: Curtain Wall

Detail: Design Criteria

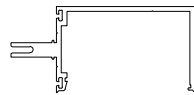
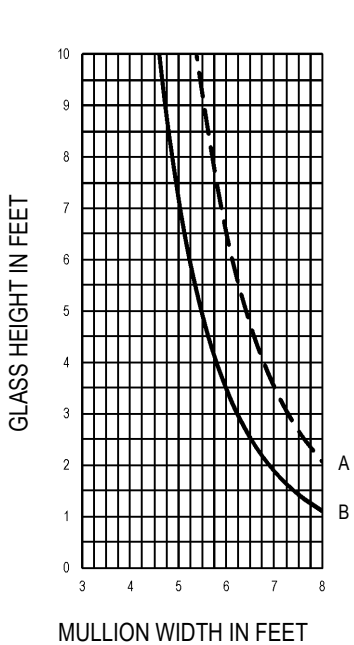
Scale: N.T.S.

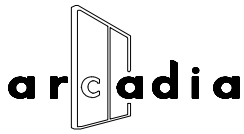
Deadload Charts for 1/2" Glass (6.50 PSF)

SHEET 1 OF 4



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





# Deadload Charts | T500 (OPG1500) Series

Description: 2 1/4" X 5 1/2" With 1/4" - 1 1/8" Glass

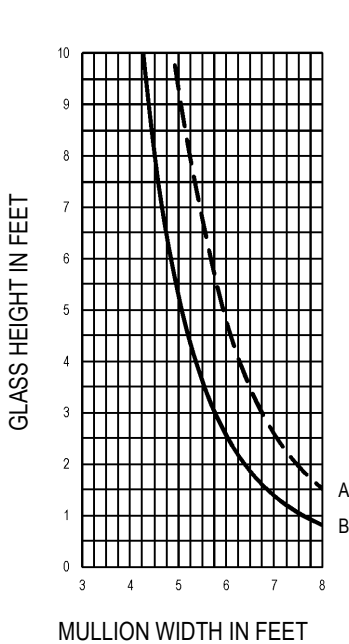
Function: Curtain Wall

Detail: Design Criteria

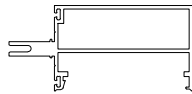
Scale: N.T.S.

Deadload Charts for 5/8" Glass (8.13 PSF)

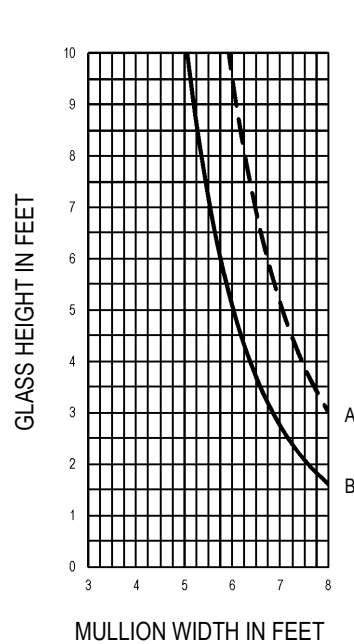
SHEET 2 OF 4



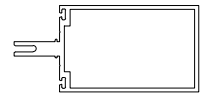
$I = 0.528 \text{ IN}^4$   
 $S = 0.406 \text{ IN}^3$



OPG1500 - 5/8" GLASS



$I = 1.049 \text{ IN}^4$   
 $S = 0.932 \text{ IN}^3$

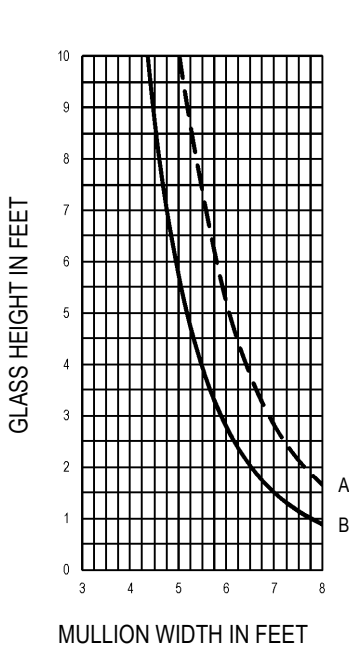


OPG1510 - 5/8" GLASS

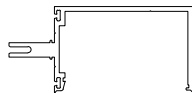
### CURVE REPRESENTATION

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

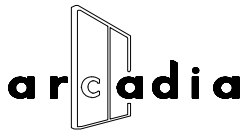
B (—) = 1/4 PTS.



$I = 0.575 \text{ IN}^4$   
 $S = 0.398 \text{ IN}^3$



OPG1578 - 5/8" GLASS



# Deadload Charts | T500 (OPG1500) Series

Description: 2 1/4" X 5 1/2" With 1/4" - 1 1/8" Glass

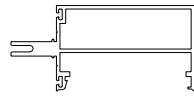
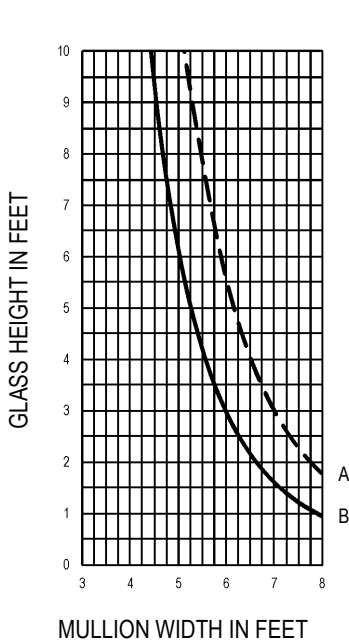
Function: Curtain Wall

Detail: Design Criteria

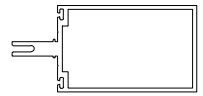
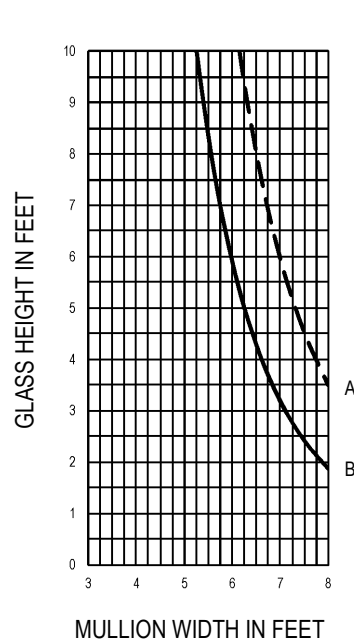
Scale: N.T.S.

Deadload Charts for 1" Glass (7.00 PSF)

SHEET 3 OF 4



OPG1500 - 1" GLASS

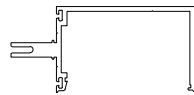
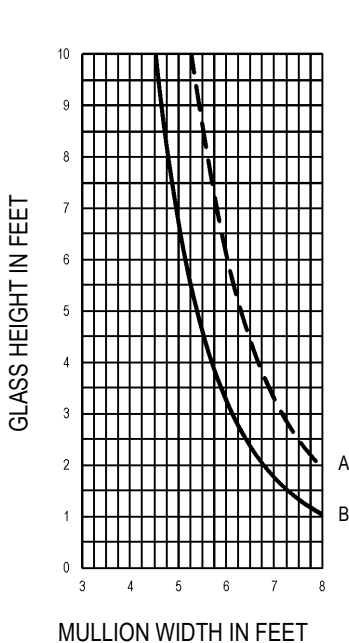


OPG1510 - 1" GLASS

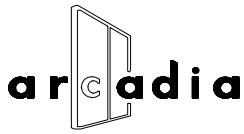
### CURVE REPRESENTATION

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

B (—) = 1/4 PTS.



OPG1578 - 1" GLASS



# Deadload Charts | T500 (OPG1500) Series

Description: 2 1/4" X 5 1/2" With 1/4" - 1 1/8" Glass

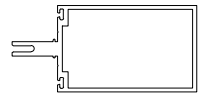
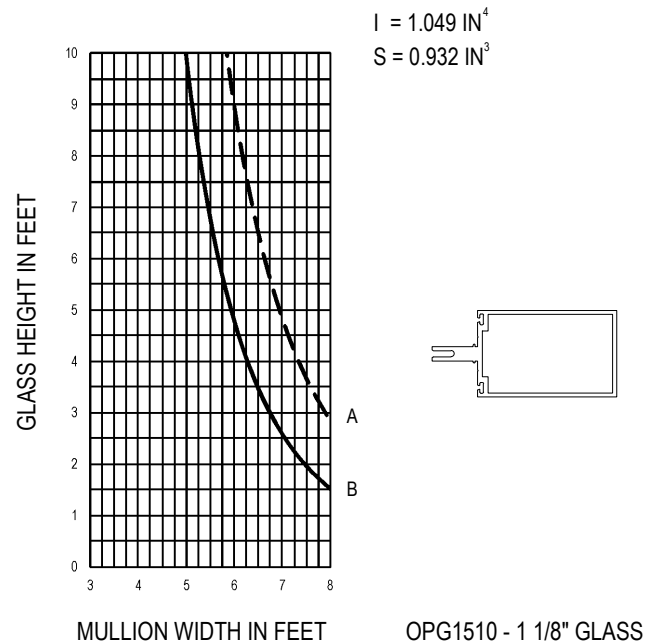
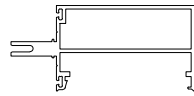
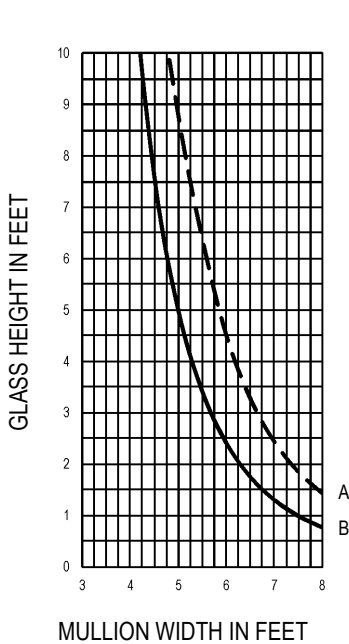
Function: Curtain Wall

Detail: Design Criteria

Scale: N.T.S.

Deadload Charts for 1 1/8" Glass (8.63 PSF)

SHEET 4 OF 4



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

