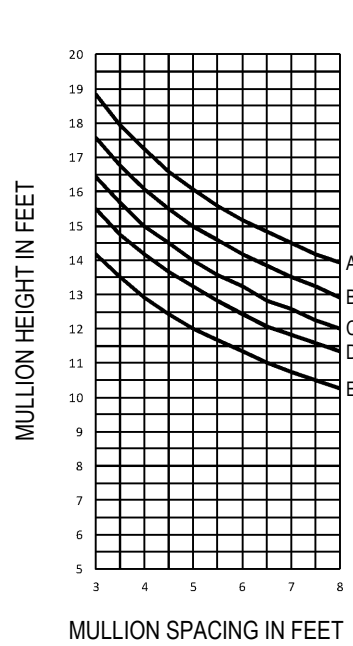
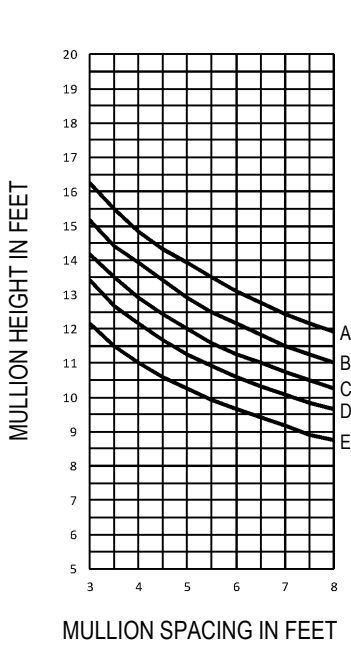


# Windload Charts | T500 (OPG3005) Series

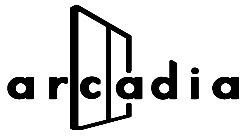
A = 16 P.S.F. (766 Pa) Description: 3" X 5 1/2" With 1/4" - 1 1/8" Glass  
 B = 20 P.S.F. (958 Pa) Function: Curtain Wall  
 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria  
 D = 30 P.S.F. (1436 Pa) Scale: N.T.S.  
 E = 40 P.S.F. (1915 Pa)

SHEET 1 OF 1



- 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 | T500 (OPG3005) Series

Description: 3" X 5 1/2" With 1/4" - 1 1/8" Glass

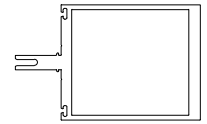
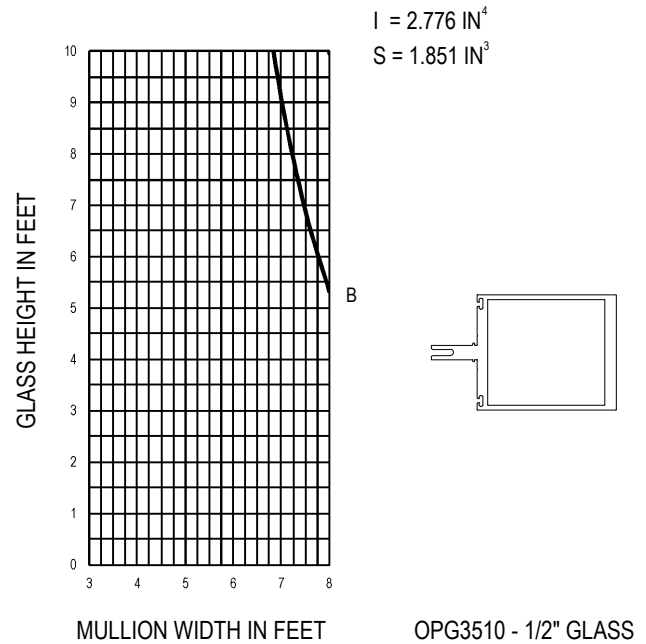
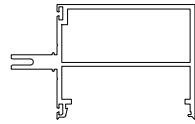
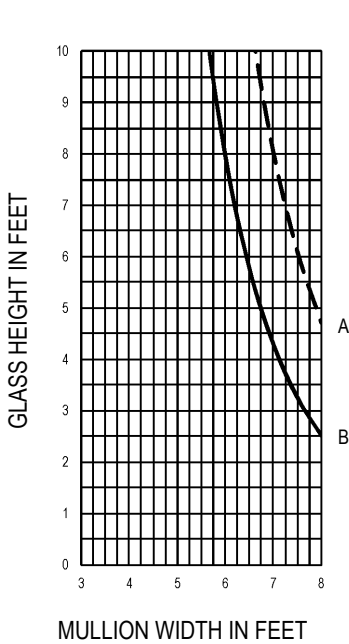
Function: Curtain Wall

Detail: Design Criteria

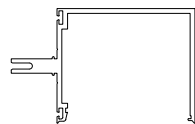
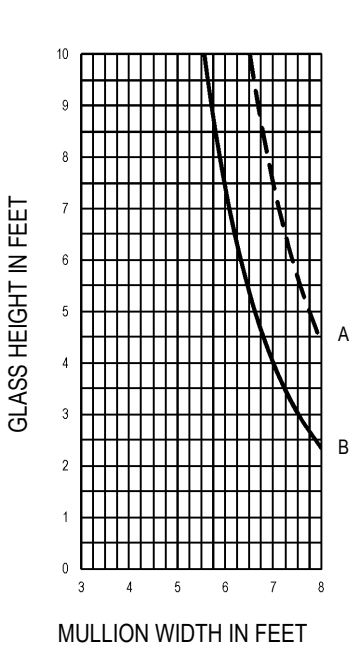
Scale: N.T.S.

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 (OPG3005) Series

Description: 3" X 5 1/2" With 1/4" - 1 1/8" Glass

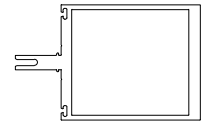
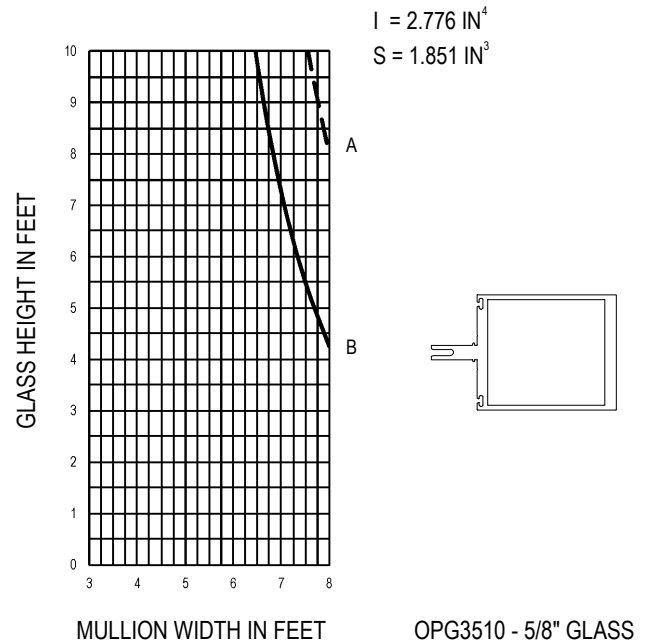
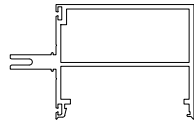
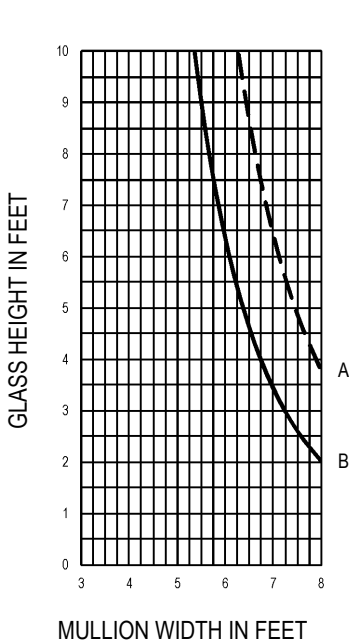
Function: Curtain Wall

Detail: Design Criteria

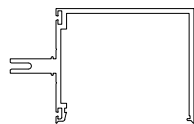
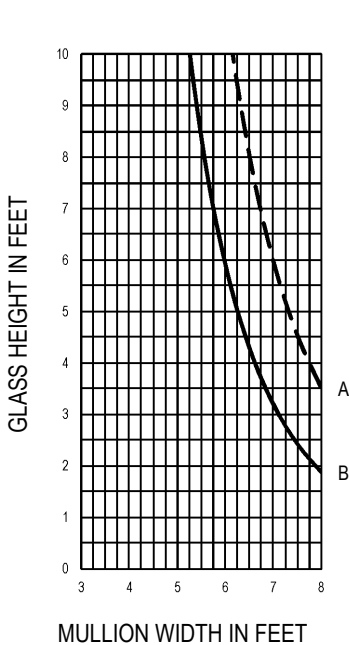
Scale: N.T.S.

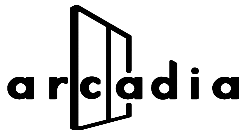
Deadload Charts for 5/8" Glass (8.13 PSF)

SHEET 2 OF 4



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





# Deadload Charts | T500 (OPG3005) Series

Description: 3" X 5 1/2" With 1/4" - 1 1/8" Glass

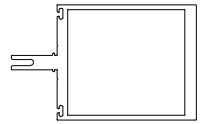
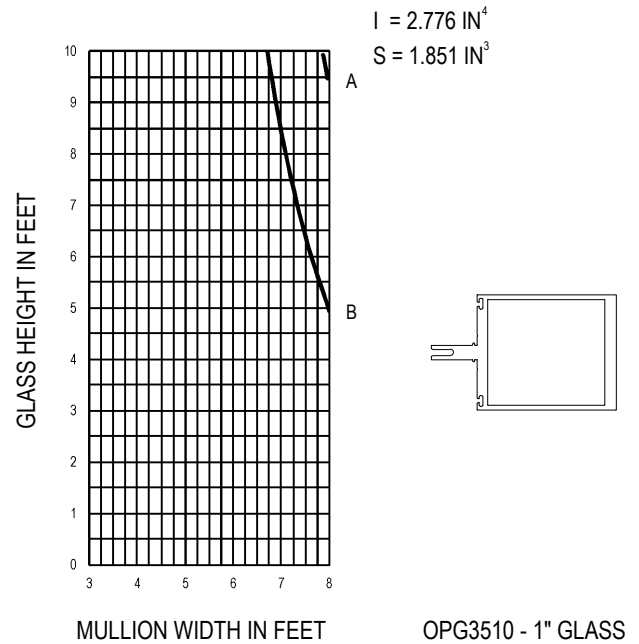
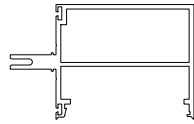
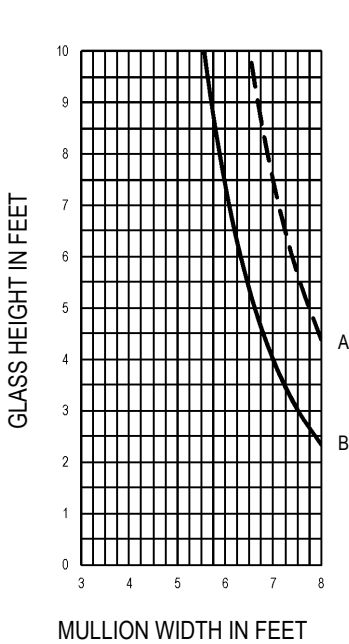
Function: Curtain Wall

Detail: Design Criteria

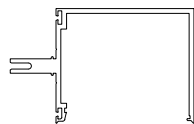
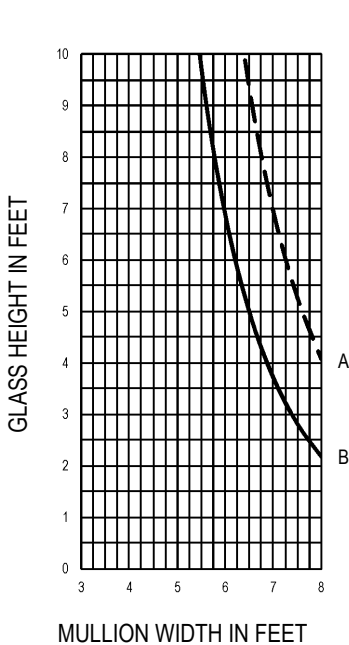
Scale: N.T.S.

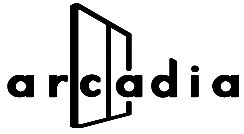
Deadload Charts for 1" Glass (7.00 PSF)

SHEET 3 OF 4



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





# Deadload Charts | T500 (OPG3005) Series

Description: 3" X 5 1/2" With 1/4" - 1 1/8" Glass

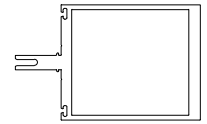
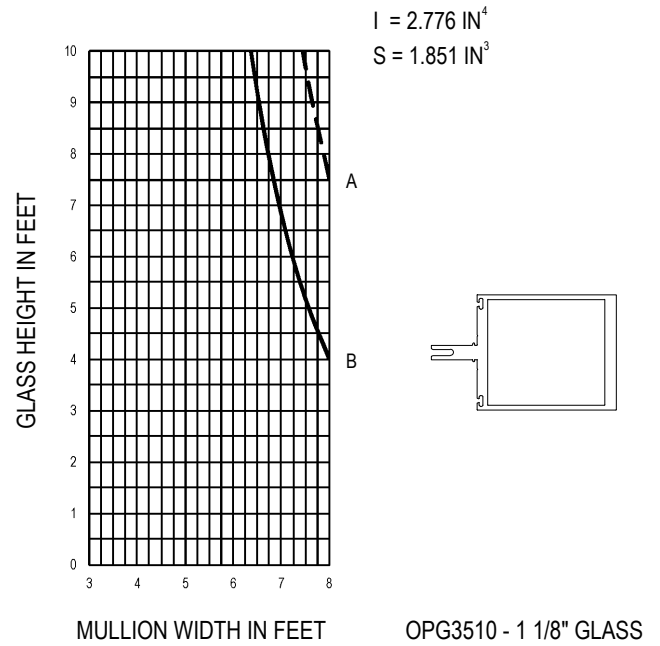
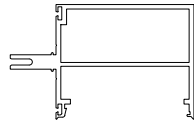
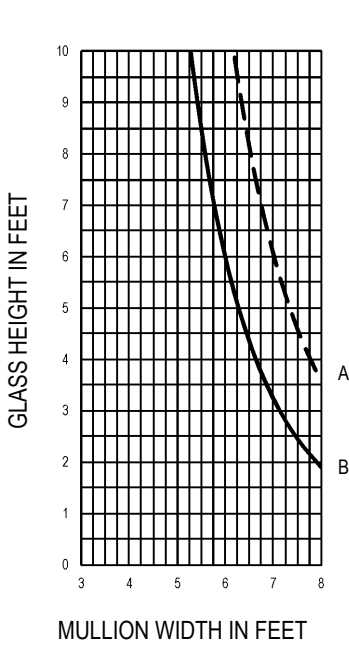
Function: Curtain Wall

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.

