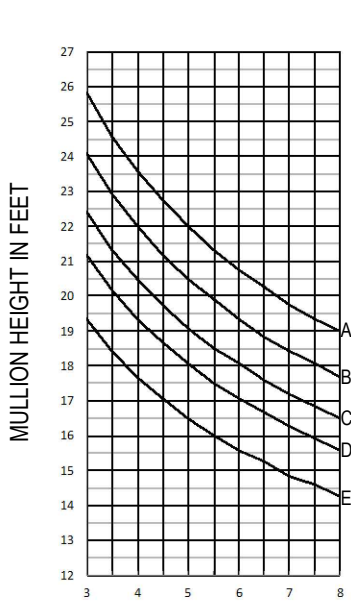


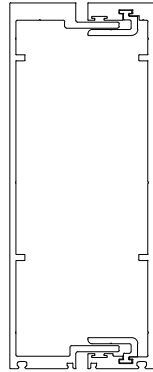
# Windload Charts | UW3091 Series

A = 16 P.S.F. (766 Pa) Description: 3" X 9" Offset Glazed For 1" Glass  
 B = 20 P.S.F. (958 Pa) Function: Unitized Wall System  
 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

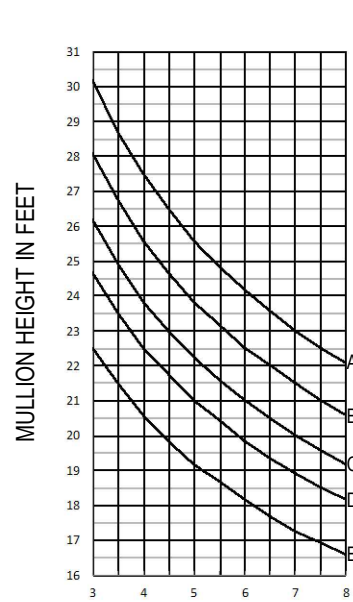


$I = 30.970 \text{ IN}^4$   
 $S_1 = 4.311 \text{ IN}^3$      $S_2 = 3.390 \text{ IN}^3$

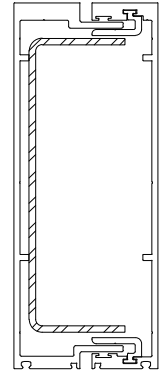


MULLION SPACING IN FEET

UCI39056 / UCI39057



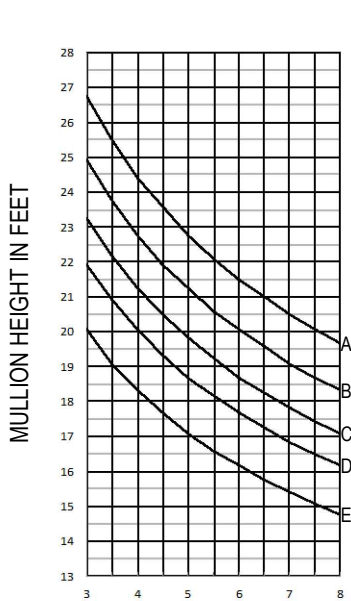
$I = 50.400 \text{ IN}^4$



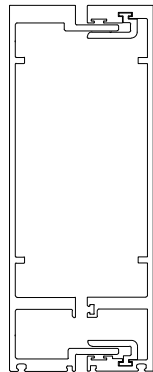
MULLION SPACING IN FEET

UCI39056 / UCI39057 WITH STEEL REINFORCEMENT  
2" X 6 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.

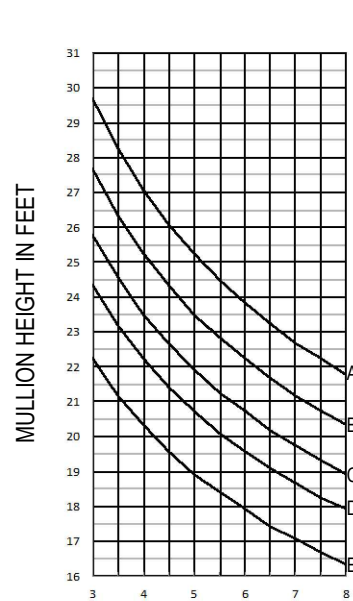


$I = 34.734 \text{ IN}^4$   
 $S_1 = 5.156 \text{ IN}^3$      $S_2 = 3.697 \text{ IN}^3$

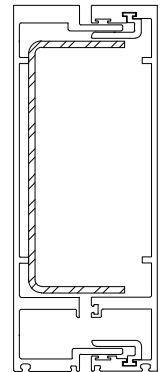


MULLION SPACING IN FEET

UCI39053 / UCI39054



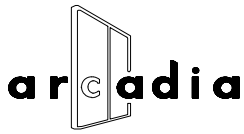
$I = 48.166 \text{ IN}^4$



MULLION SPACING IN FEET

UCI39053 / UCI39054 WITH STEEL REINFORCEMENT  
2" X 5 1/4" X 10 GA.

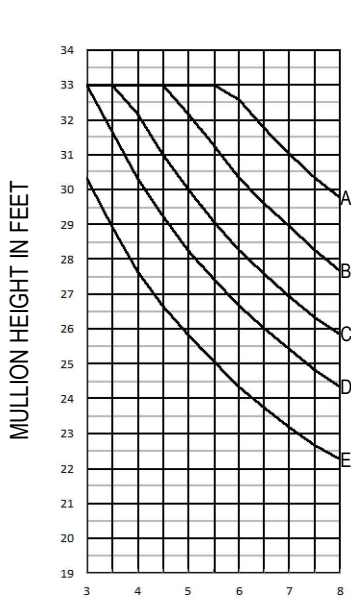
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



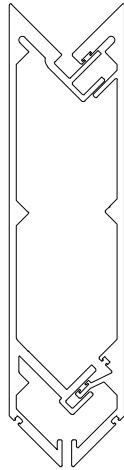
# Windload Charts | UW3901 Series

A = 16 P.S.F. (766 Pa) Description: 3" X 9" Offset Glazed For 1" Glass  
 B = 20 P.S.F. (958 Pa) Function: Unitized Wall System  
 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 2 OF 2



$I = 129.00 \text{ IN}^4$   
 $S_1 = 11.58 \text{ IN}^3$      $S_2 = 9.13 \text{ IN}^3$

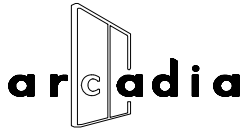


MULLION SPACING IN FEET

R90F422 / R90F421

- 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 | UW3091 Series

Description: 3" X 9" Offset Glazed for 1" Glass

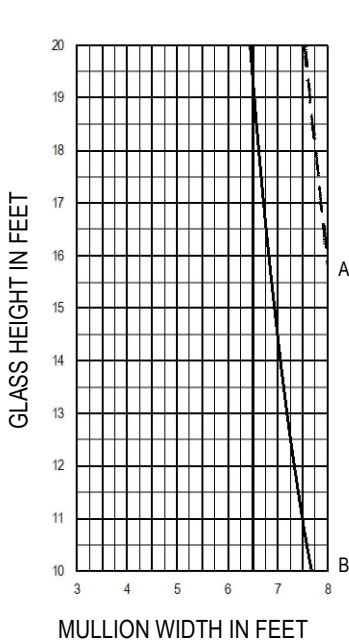
Function: Unitized Wall System

Detail: Design Criteria

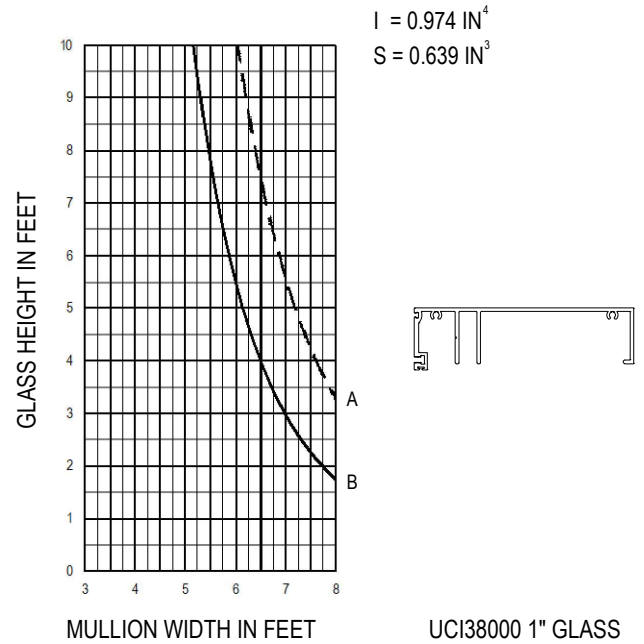
Scale: N.T.S.

Deadload Charts for 1" Glass (7.00 PSF)

SHEET 1 OF 1



UCI39000 1" GLASS



UCI38000 1" GLASS

### CURVE REPRESENTATION

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

B (—) = 1/4 PTS.