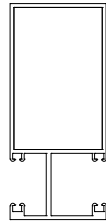
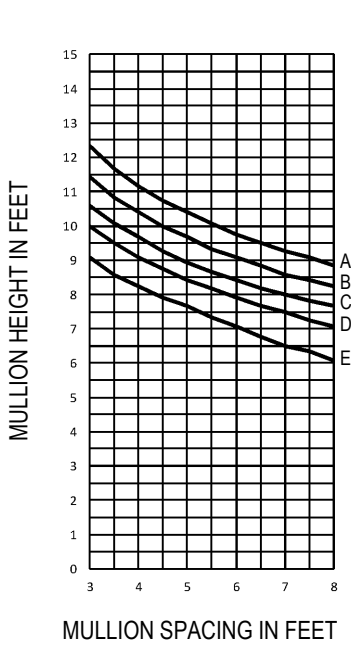


Windload Charts | AF450+ Series

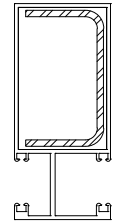
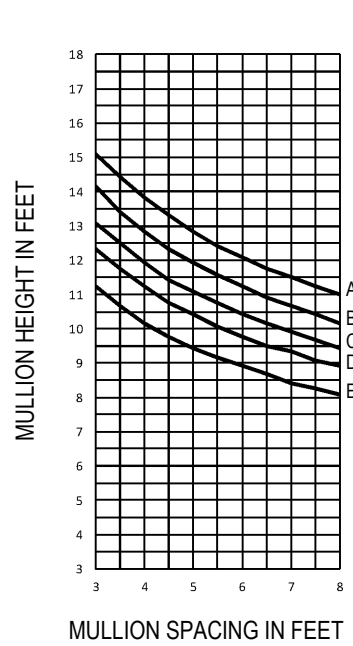
A = 16 P.S.F. (766 Pa)
 B = 20 P.S.F. (958 Pa)
 C = 25 P.S.F. (1197 Pa)
 D = 30 P.S.F. (1436 Pa)
 E = 40 P.S.F. (1915 Pa)

Description: 2" X 4 1/2" Offset Glazed For 3/8", 1/2", 9/16"
 Function: Storefront
 Detail: Design Criteria
 Scale: N.T.S.

SHEET 1 OF 3

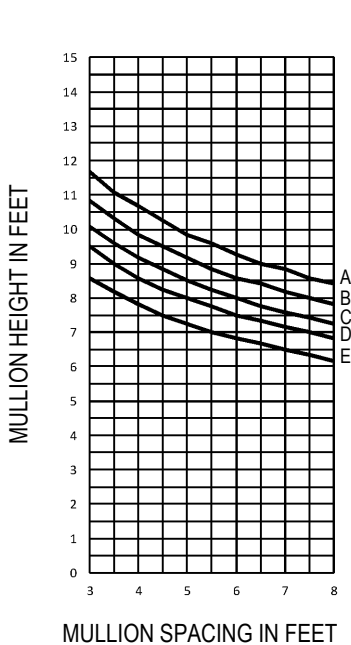


MO875

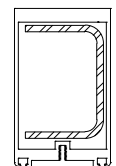
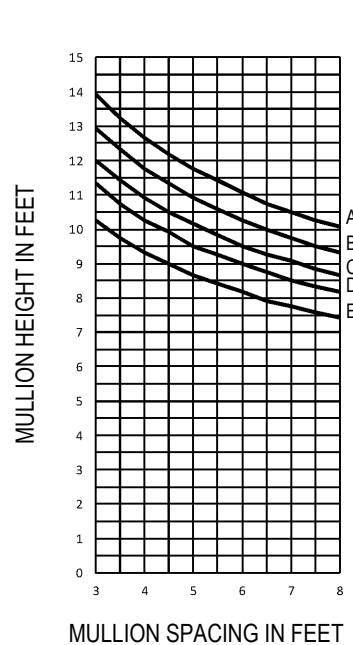


MO875 WITH
 STEEL REINFORCEMENT
 1 5/8" X 2 13/16" X 10 GA.

- 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.



SM855



SM855 WITH
 STEEL REINFORCEMENT
 1 5/8" X 2 3/8" X 10 GA.

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

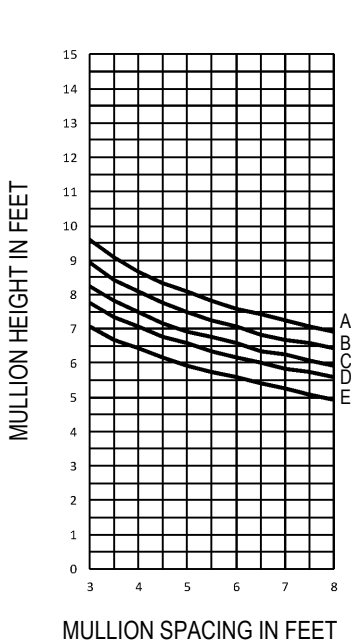


Windload Charts | AF450+ Series

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" X 4 1/2" Offset Glazed For 3/8", 1/2", 9/16"
 Function: Storefront
 Detail: Design Criteria
 Scale: N.T.S.

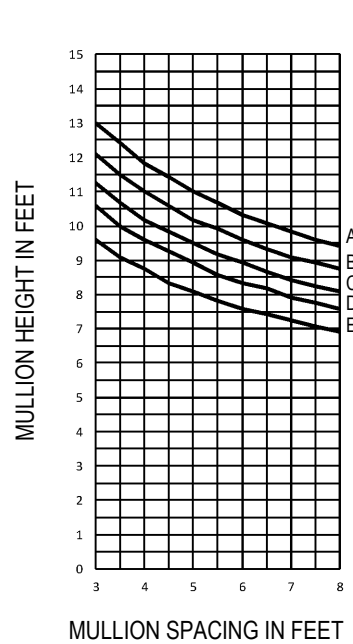
SHEET 2 OF 3



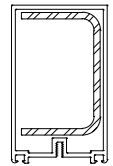
$I = 1.391 \text{ IN}^4$
 $S = 0.796 \text{ IN}^3$



SM855LW

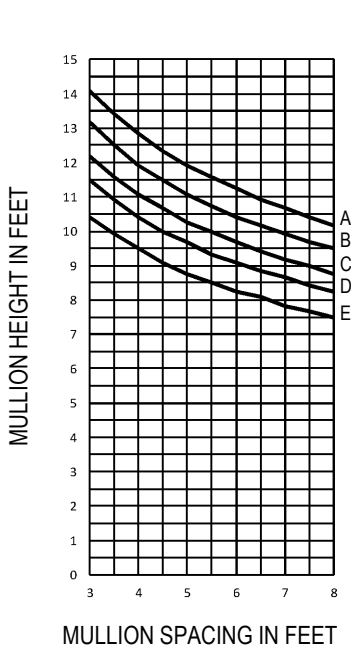


$I = 3.486 \text{ IN}^4$

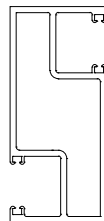


SM855LW WITH
 STEEL REINFORCEMENT
 1 5/8" X 2 9/16" X 10 GA.

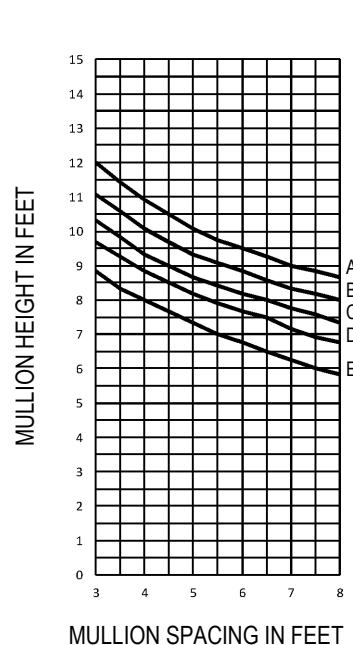
- Mullions are assumed to be single span, simple beam elements, uniformly loaded and adequately braced to prevent lateral-torsional buckling. All other complex design conditions shall be reviewed by Arcadia or a design professional.
- Aluminum extrusions shall be 6063-T6 alloy. Allowable stresses to 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.



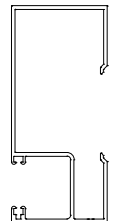
$I = 4.471 \text{ IN}^4$
 $S = 1.987 \text{ IN}^3$



MO8360

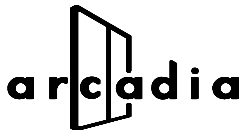


$I = 2.708 \text{ IN}^4$
 $S = 1.111 \text{ IN}^3$



DJM975

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

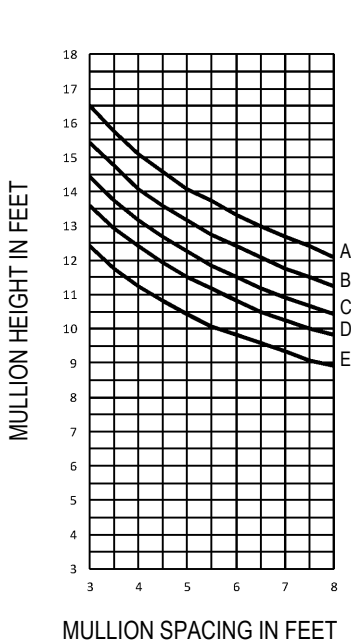


Windload Charts | AF450+ Series

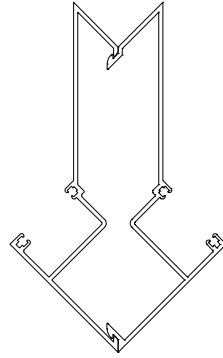
A = 16 P.S.F. (766 Pa)
 B = 20 P.S.F. (958 Pa)
 C = 25 P.S.F. (1197 Pa)
 D = 30 P.S.F. (1436 Pa)
 E = 40 P.S.F. (1915 Pa)

Description: 2" X 4 1/2" Offset Glazed For 3/8", 1/2", 9/16"
 Function: Storefront
 Detail: Design Criteria
 Scale: N.T.S.

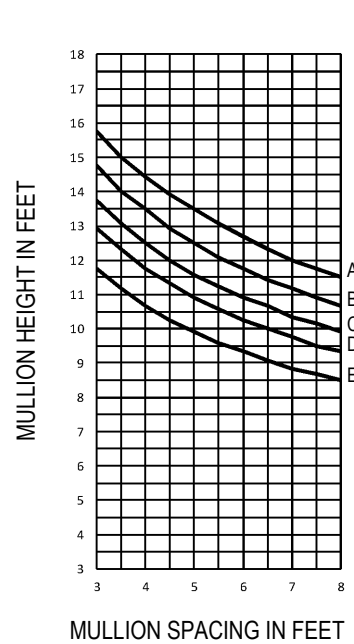
SHEET 3 OF 3



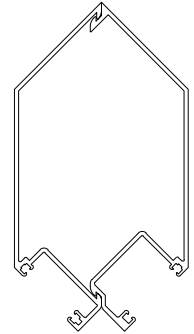
$I_x = 5.259 \text{ IN}^4$
 $I_y = 5.314 \text{ IN}^4$



OC463 / OC464



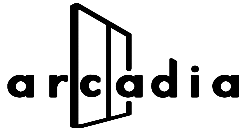
$I_x = 4.541 \text{ IN}^4$
 $I_y = 4.535 \text{ IN}^4$



IC461 / IC462

- 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.

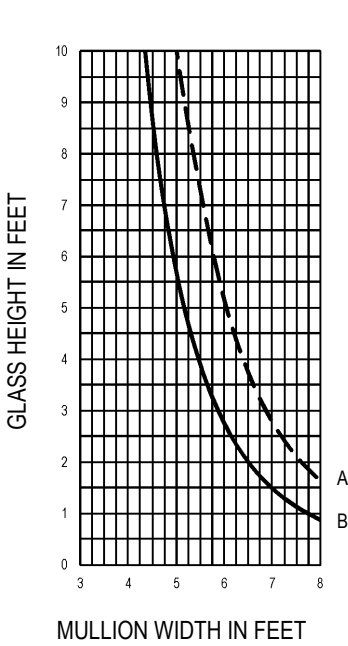
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



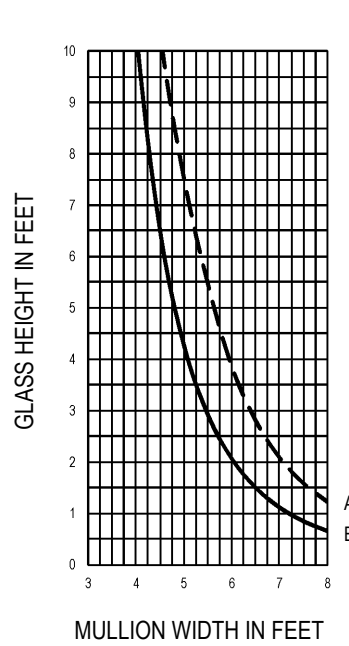
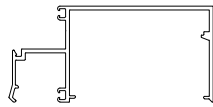
Deadload Charts | AF450+ Series

Deadload Charts for 3/8" GLASS (4.88 PSF)
 1/2" GLASS (6.50 PSF)
 9/16" GLASS (6.83 PSF)

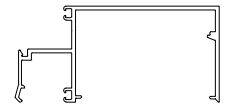
Description: 2" X 4 1/2" Offset Glazed For 3/8", 1/2", 9/16"
 Function: Storefront
 Detail: Design Criteria
 Scale: N.T.S.



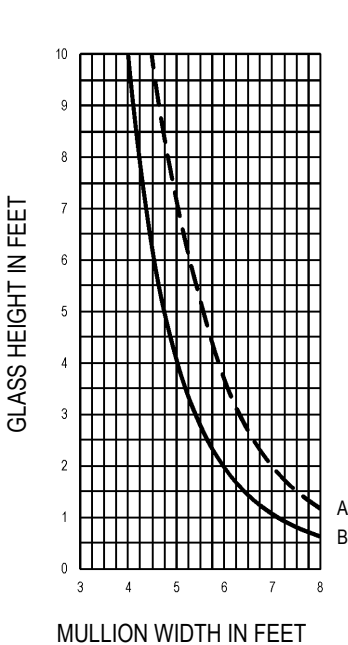
$I = 0.341 \text{ IN}^4$
 $S = 0.275 \text{ IN}^3$



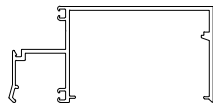
$I = 0.341 \text{ IN}^4$
 $S = 0.275 \text{ IN}^3$

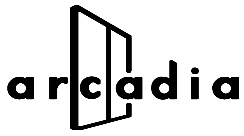


CURVE REPRESENTATION
 A (----) = 1/8" PTS.
 B (—) = 1/4" PTS.



$I = 0.341 \text{ IN}^4$
 $S = 0.275 \text{ IN}^3$



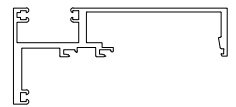
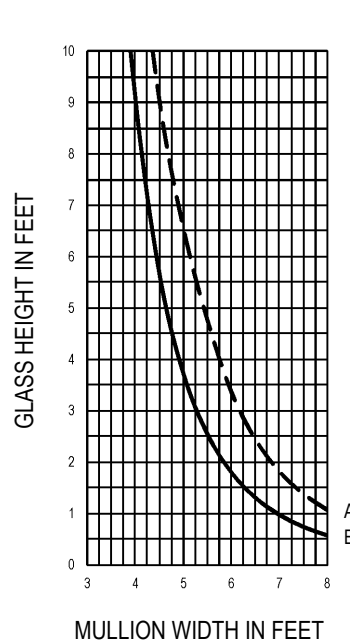
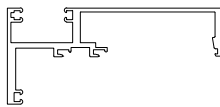
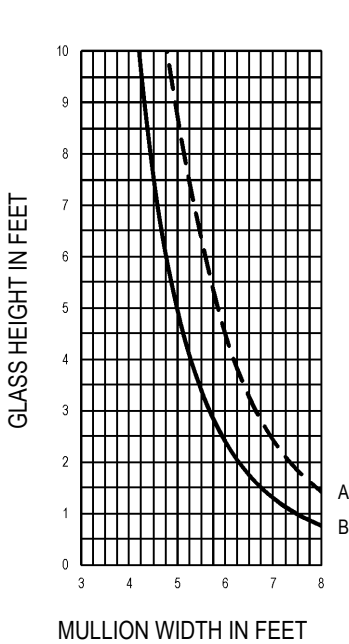


Deadload Charts | AF450+ Series

Deadload Charts for 3/8" GLASS (4.88 PSF)
 1/2" GLASS (6.50 PSF)
 9/16" GLASS (6.83 PSF)

Description: 2" X 4 1/2" Offset Glazed For 3/8", 1/2", 9/16"
 Function: Storefront
 Detail: Design Criteria
 Scale: N.T.S.

SHEET 2 OF 2



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

