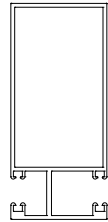
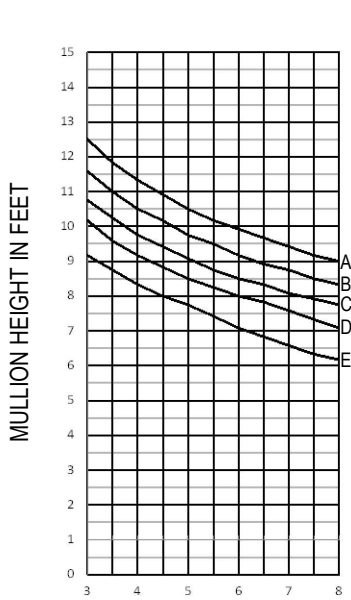


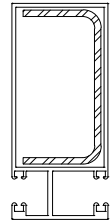
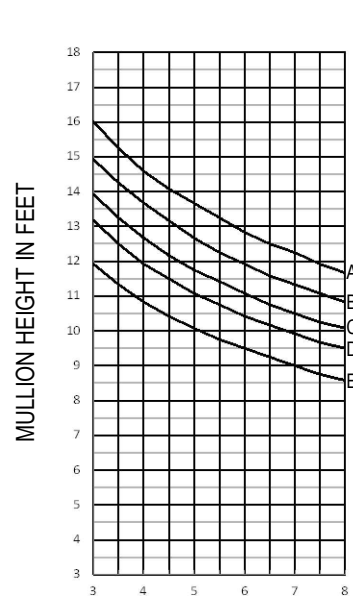
Windload Charts | AF450 Series

A = 16 P.S.F. (766 Pa) Description: 2" X 4 1/2" Offset Glazed For 1/4" Glass
 B = 20 P.S.F. (958 Pa) Function: Storefront
 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 7

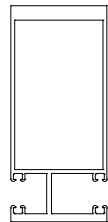
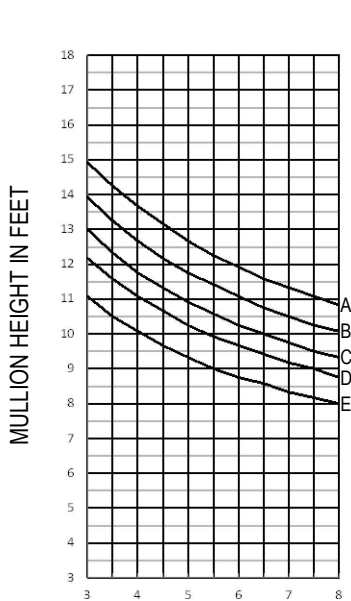


MO355

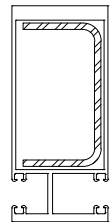
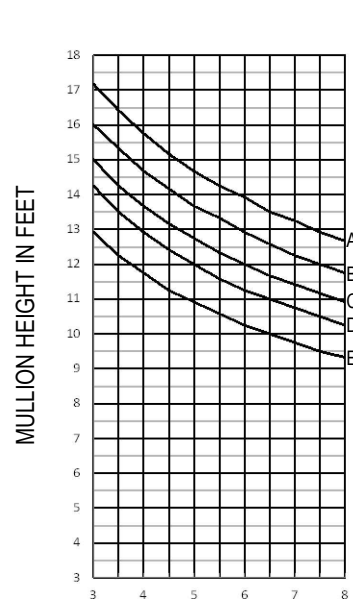


MO355 WITH
STEEL REINFORCEMENT
1 5/8" X 3 3/16" X 10 GA.

- 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.

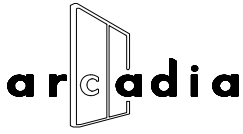


MO358



MO358 WITH
STEEL REINFORCEMENT
1 5/8" X 3" X 10 GA.

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

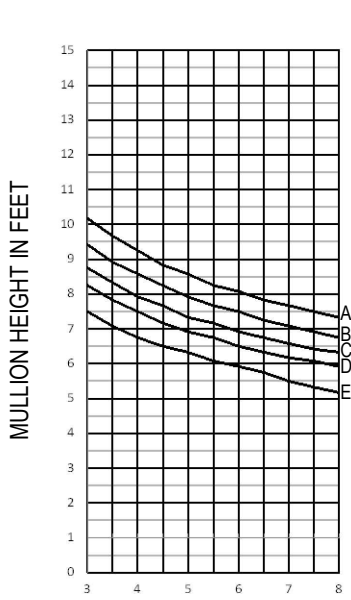


Windload Charts | AF450 Series

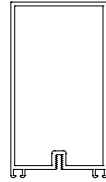
A = 16 P.S.F. (766 Pa)
 B = 20 P.S.F. (958 Pa)
 C = 25 P.S.F. (1197 Pa)
 D = 30 P.S.F. (1436 Pa)
 E = 40 P.S.F. (1915 Pa)

Description: 2" X 4 1/2" Offset Glazed For 1/4" Glass
 Function: Storefront
 Detail: Design Criteria
 Scale: N.T.S.

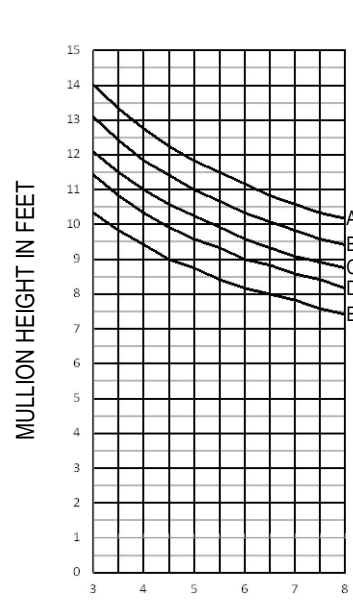
SHEET 2 OF 7



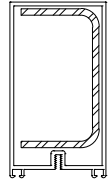
$I = 1.651 \text{ IN}^4$
 $S = 0.866 \text{ IN}^3$



SM455

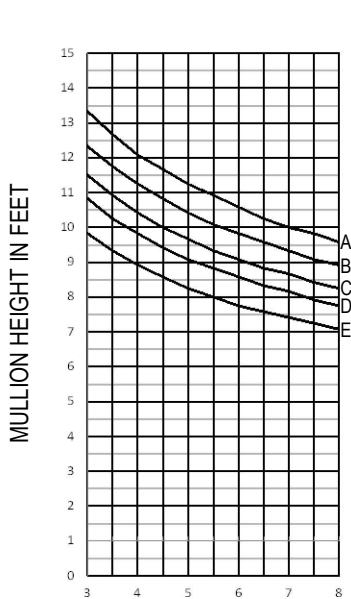


$I = 4.378 \text{ IN}^4$

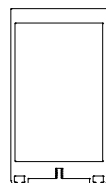


SM455 WITH
 STEEL REINFORCEMENT
 1 5/8" X 2 7/8" X 10 GA.

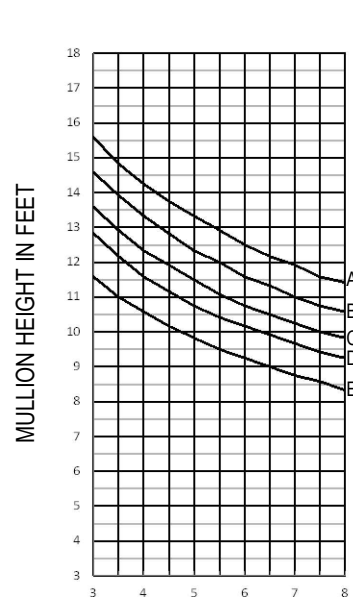
- Mullions are assumed to be single span, simple beam elements, uniformly loaded and adequately braced to prevent lateral-torsional buckling. All other complex design conditions shall be reviewed by Arcadia or a design professional.
- Aluminum extrusions shall be 6063-T6 alloy. Allowable stresses to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



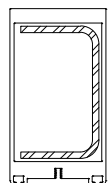
$I = 3.720 \text{ IN}^4$
 $S = 2.012 \text{ IN}^3$



SM458

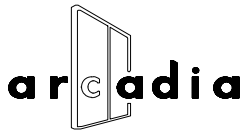


$I = 6.188 \text{ IN}^4$



SM458 WITH
 STEEL REINFORCEMENT
 1 5/8" X 2 3/4" X 10 GA.

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

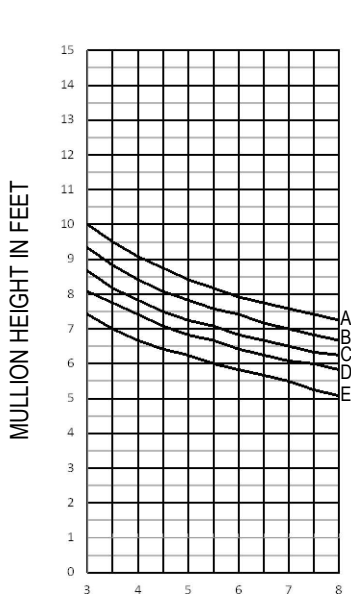


Windload Charts | AF450 Series

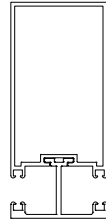
A = 16 P.S.F. (766 Pa)
 B = 20 P.S.F. (958 Pa)
 C = 25 P.S.F. (1197 Pa)
 D = 30 P.S.F. (1436 Pa)
 E = 40 P.S.F. (1915 Pa)

Description: 2" X 4 1/2" Offset Glazed For 1/4" Glass
 Function: Storefront
 Detail: Design Criteria
 Scale: N.T.S.

SHEET 3 OF 7

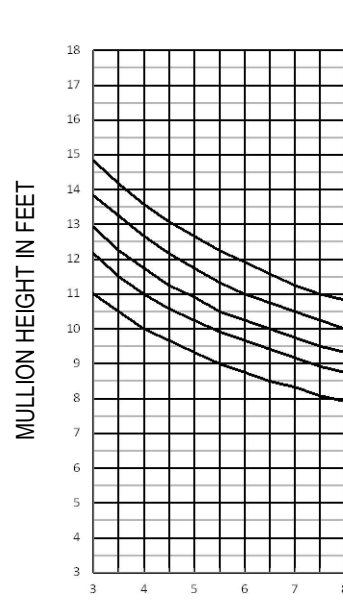


$I = 1.592 \text{ IN}^4$
 $S = 0.849 \text{ IN}^3$

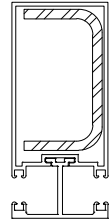


MULLION SPACING IN FEET

MO390B / MO390A



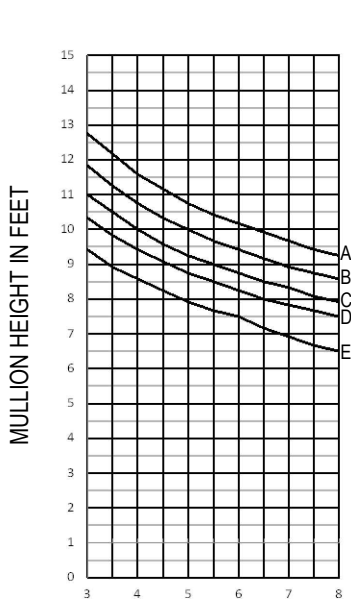
$I = 5.294 \text{ IN}^4$



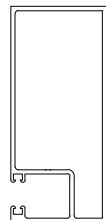
MULLION SPACING IN FEET

MO390B / MO390A WITH
 STEEL REINFORCEMENT
 1 5/8" X 2 15/16" X 3/16"

- 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.

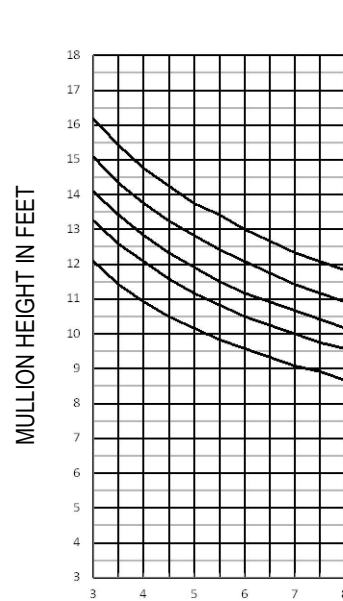


$I = 3.295 \text{ IN}^4$
 $S = 1.353 \text{ IN}^3$

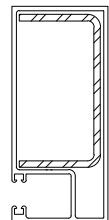


MULLION SPACING IN FEET

DJM360



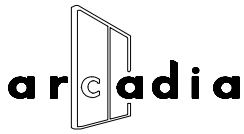
$I = 6.911 \text{ IN}^4$



MULLION SPACING IN FEET

DJM360 WITH
 STEEL REINFORCEMENT
 1 11/16" X 3 3/16" X 10 GA.

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

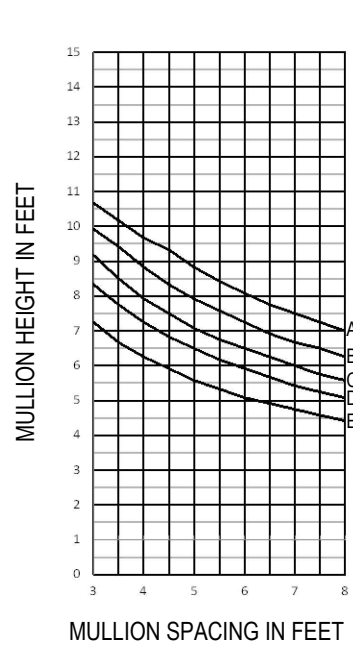


Windload Charts | AF450 Series

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 1/4" Glass
 Function: Storefront
 Detail: Design Criteria
 Scale: N.T.S.

SHEET 4 OF 7

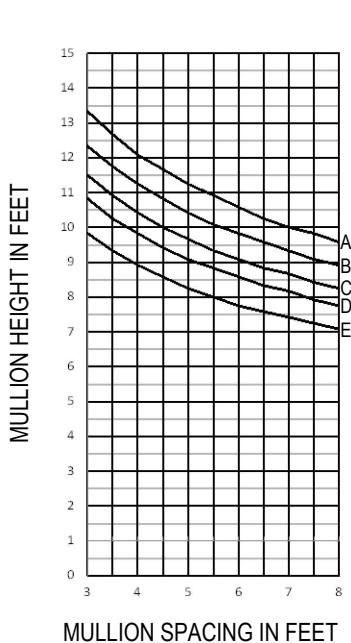


$I = 1.915 \text{ IN}^4$
 $S = 0.773 \text{ IN}^3$

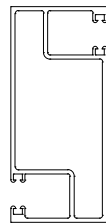


MO359

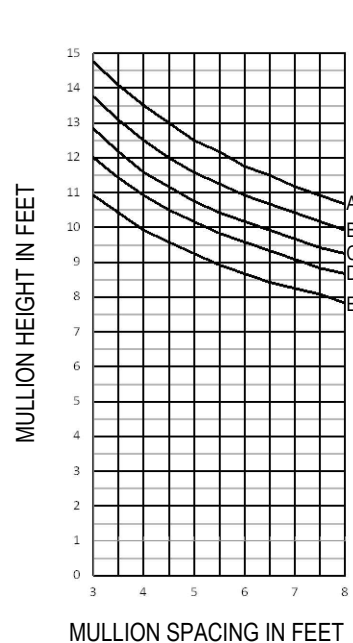
- Mullions are assumed to be single span, simple beam elements, uniformly loaded and adequately braced to prevent lateral-torsional buckling. All other complex design conditions shall be reviewed by Arcadia or a design professional.
- Aluminum extrusions shall be 6063-T6 alloy. Allowable stresses to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



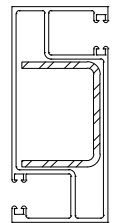
$I = 3.720 \text{ IN}^4$
 $S = 1.653 \text{ IN}^3$



MO360

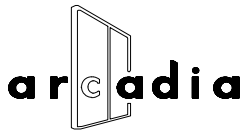


$I = 5.155 \text{ IN}^4$



MO360 WITH
 STEEL REINFORCEMENT
 1 5/8" X 2 3/16" X 10 GA

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

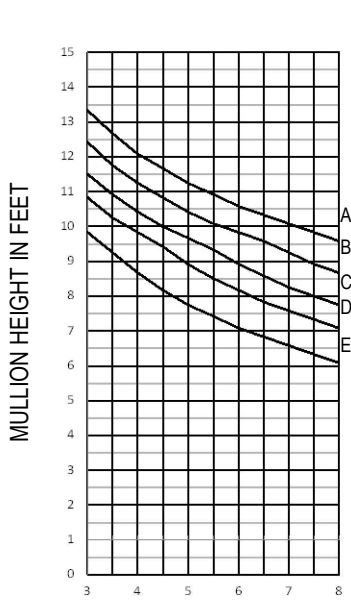


Windload Charts | AF450 Series

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 1/4" Glass
 Function: Storefront
 Detail: Design Criteria
 Scale: N.T.S.

SHEET 5 OF 7



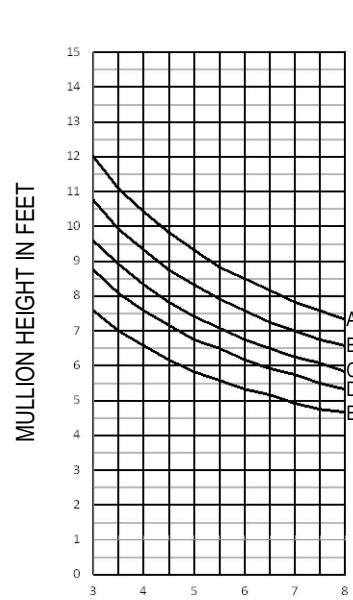
$$I = 3.743 \text{ IN}^4$$

$$S_1 = 0.773 \text{ IN}^3 \quad S_2 = 0.722 \text{ IN}^3$$



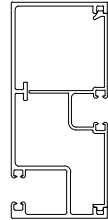
MULLION SPACING IN FEET

MO359 / MO369



$$I = 3.184 \text{ IN}^4$$

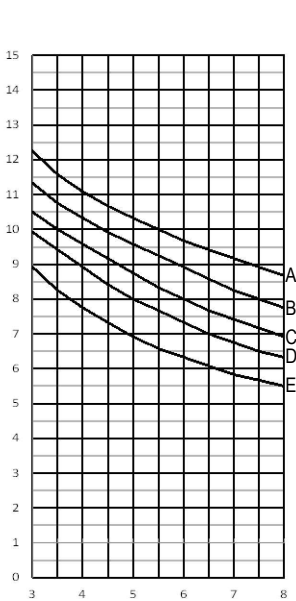
$$S_1 = 1.066 \text{ IN}^3 \quad S_2 = 0.252 \text{ IN}^3$$



MULLION SPACING IN FEET

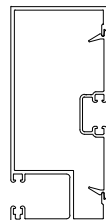
MO357 / HCF121

- 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.

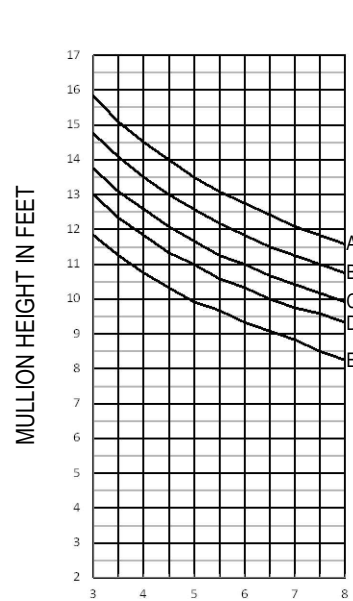


$$I = 2.870 \text{ IN}^4$$

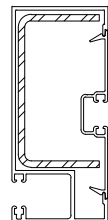
$$S_1 = 1.022 \text{ IN}^3 \quad S_2 = 0.177 \text{ IN}^3$$



DJM366 / GF100



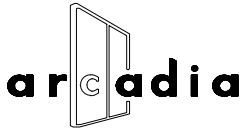
$$I = 6.486 \text{ IN}^4$$



MULLION SPACING IN FEET

DJM366 / GF100 WITH
 STEEL REINFORCEMENT
 1 11/16" X 3 3/16" X 10 GA

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

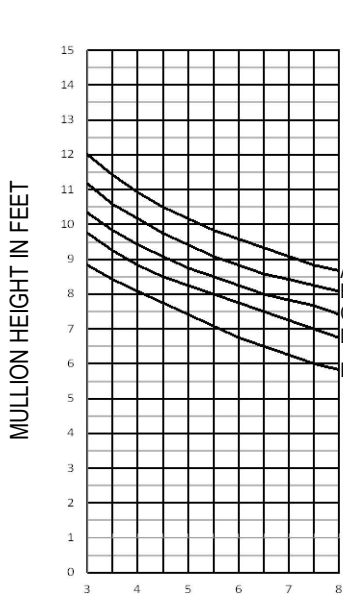


Windload Charts | AF450 Series

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 1/4" Glass
 Function: Storefront
 Detail: Design Criteria
 Scale: N.T.S.

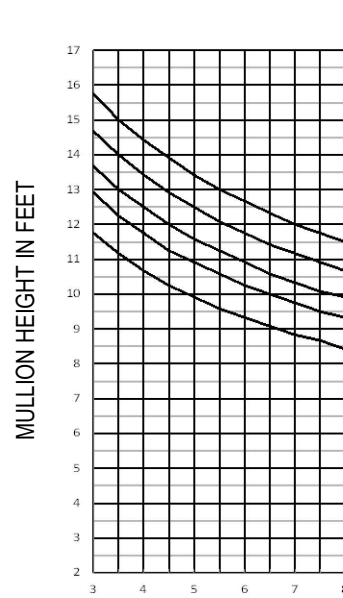
SHEET 6 OF 7



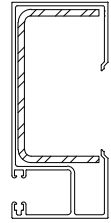
$I = 2.749 \text{ IN}^4$
 $S = 1.113 \text{ IN}^3$



DJM365

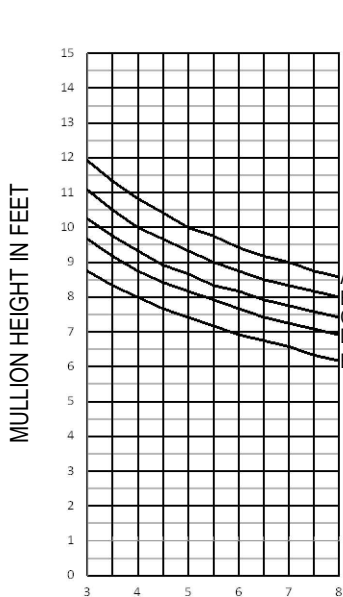


$I = 6.365 \text{ IN}^4$



DJM365 WITH
 STEEL REINFORCEMENT
 1 11/16" X 3 3/16" X 10 GA

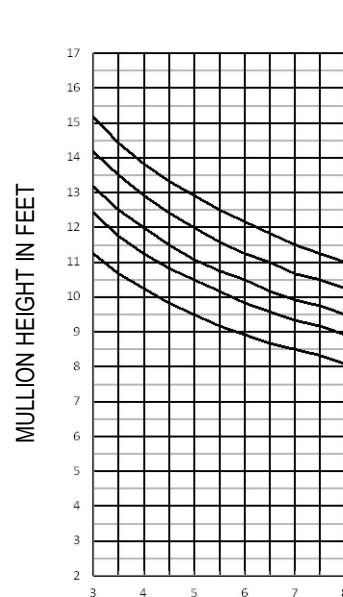
- Mullions are assumed to be single span, simple beam elements, uniformly loaded and adequately braced to prevent lateral-torsional buckling. All other complex design conditions shall be reviewed by Arcadia or a design professional.
- Aluminum extrusions shall be 6063-T6 alloy. Allowable stresses to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



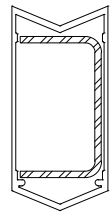
$I = 2.663 \text{ IN}^4$
 $S = 1.231 \text{ IN}^3$



ICOC135

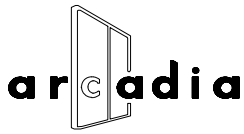


$I = 5.648 \text{ IN}^4$



ICOC135 WITH
 STEEL REINFORCEMENT
 1 11/16" X 2 15/16" X 10 GA.

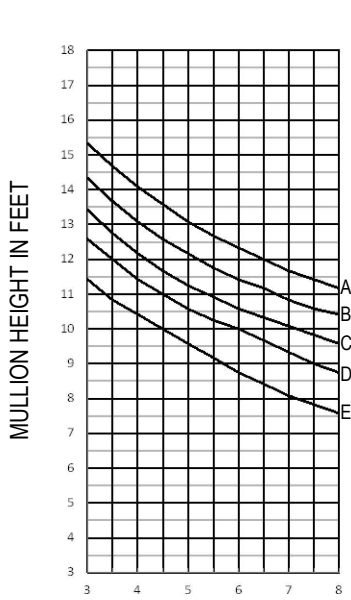
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



Windload Charts | AF450 Series

A = 16 P.S.F. (766 Pa) Description: 2" X 4 1/2" Offset Glazed For 1/4" Glass
 B = 20 P.S.F. (958 Pa) Function: Storefront
 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 7 OF 7

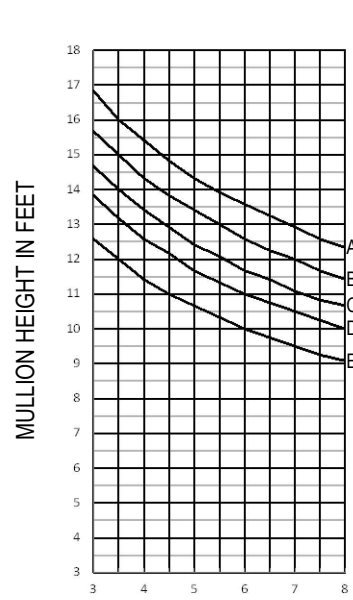


$I = 5.901 \text{ IN}^4$
 $S = 1.852 \text{ IN}^3$

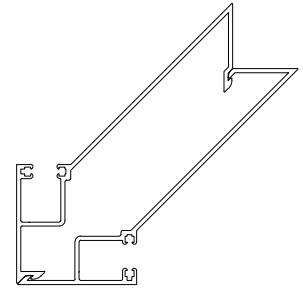


MULLION SPACING IN FEET

ICOC400



$I_x = 5.608 \text{ IN}^4$
 $I_y = 5.568 \text{ IN}^4$

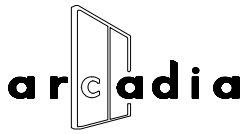


MULLION SPACING IN FEET

OC356 / OC357

- 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

Description: 2" X 4 1/2" Offset Glazed For 1/4" Glass

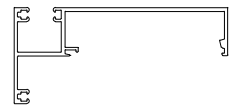
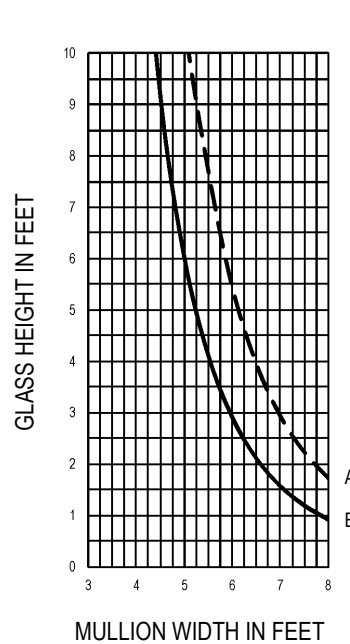
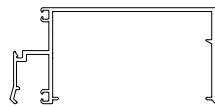
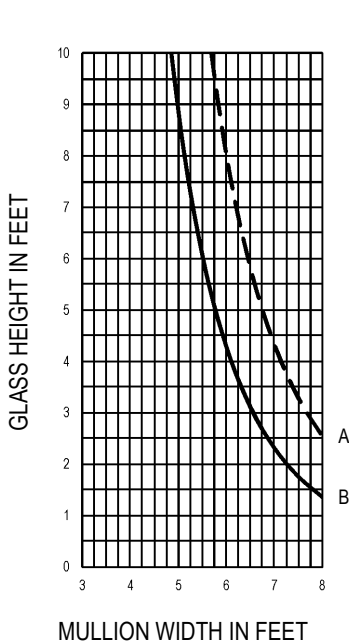
Function: Storefront

Detail: Design Criteria

Scale: N.T.S.

Deadload Charts for 1/4" Glass (3.25 PSF)

SHEET 1 OF 1



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

