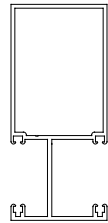
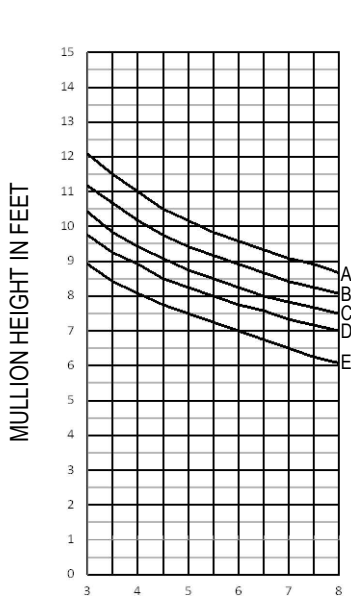


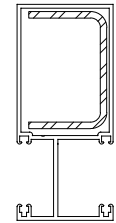
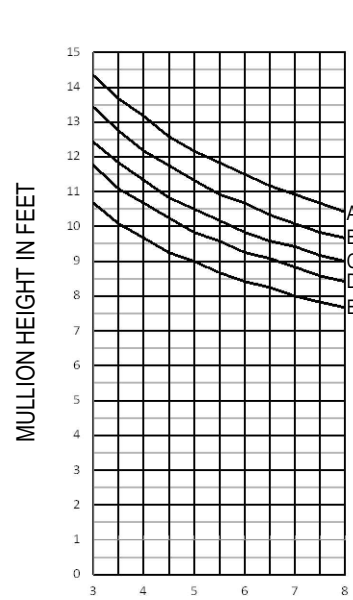
Windload Charts | AFG451 Series

A = 16 P.S.F. (766 Pa) Description: 2" X 4 1/2" Offset Glazed For 1" 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

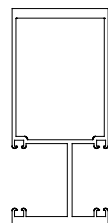
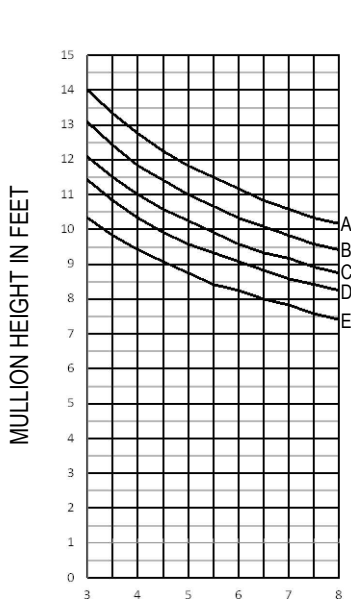


MO255

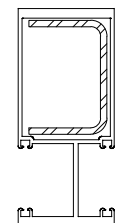
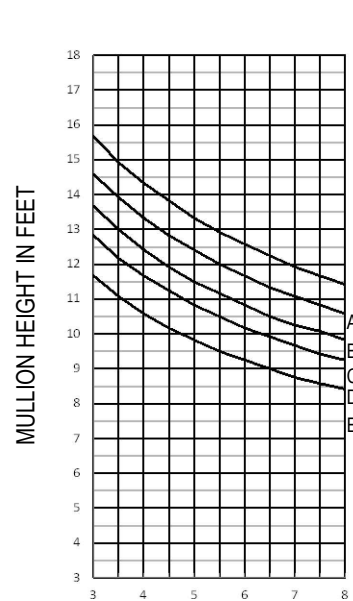


MO255 WITH
STEEL REINFORCEMENT
1 5/8" X 2 7/16" X 10 GA.

- 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.

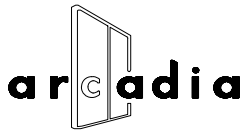


MO258



MO258 WITH
STEEL REINFORCEMENT
1 5/8" X 2 3/8" X 10 GA.

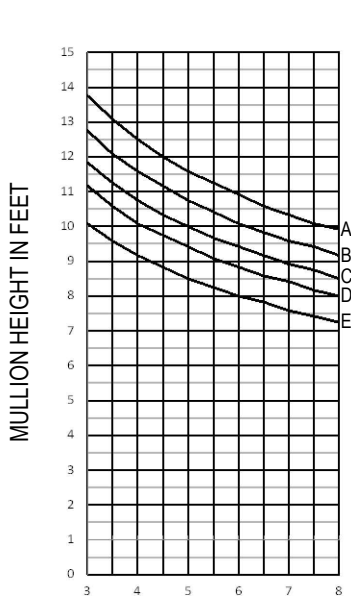
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



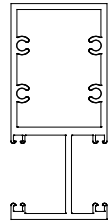
Windload Charts | AFG451 Series

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

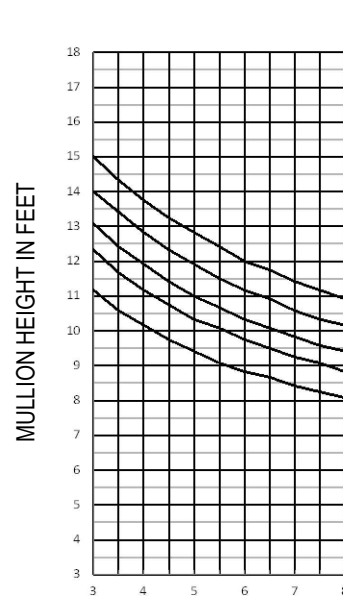


$I = 4.093 \text{ IN}^4$
 $S = 1.761 \text{ IN}^3$

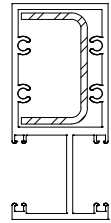


MULLION SPACING IN FEET

MO251



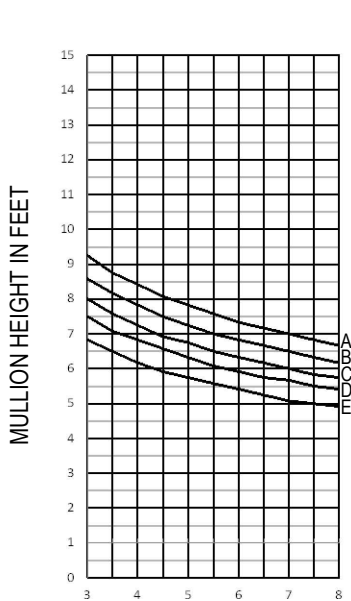
$I = 5.499 \text{ IN}^4$



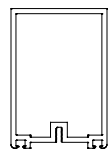
MULLION SPACING IN FEET

MO251 WITH STEEL REINFORCEMENT
1 3/8" X 2 5/16" 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.
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- 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.
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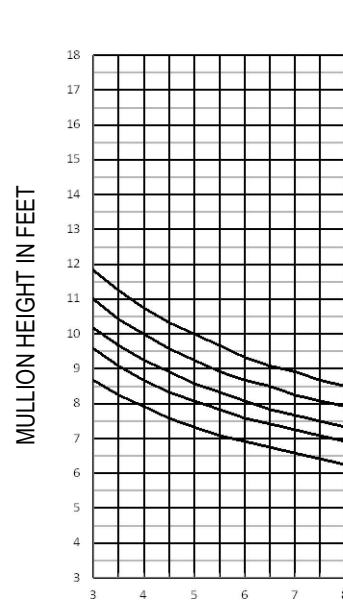


$I = 1.252 \text{ IN}^4$
 $S = 0.809 \text{ IN}^3$

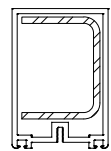


MULLION SPACING IN FEET

SM555



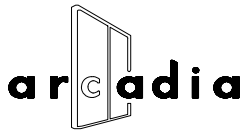
$I = 2.601 \text{ IN}^4$



MULLION SPACING IN FEET

SM555 WITH STEEL REINFORCEMENT
1 5/8" X 2 1/8" X 10 GA.

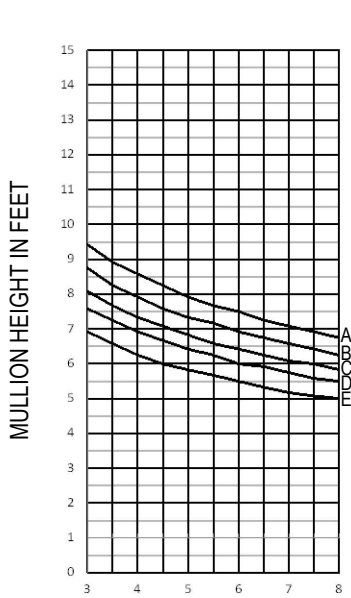
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



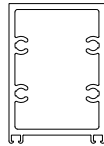
Windload Charts | AFG451 Series

A = 16 P.S.F. (766 Pa) Description: 2" X 4 1/2" Offset Glazed For 1" 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 3 OF 7

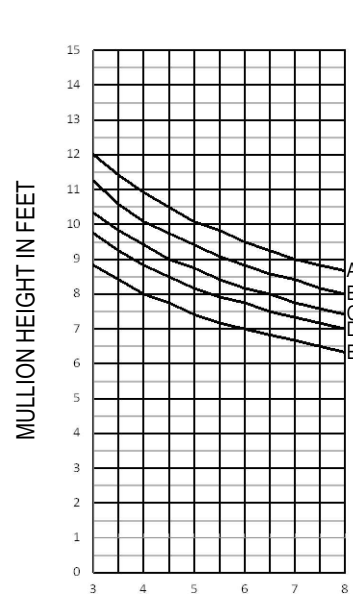


$I = 1.316 \text{ IN}^4$
 $S = 0.879 \text{ IN}^3$

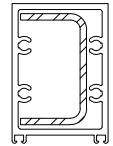


MULLION SPACING IN FEET

SM560



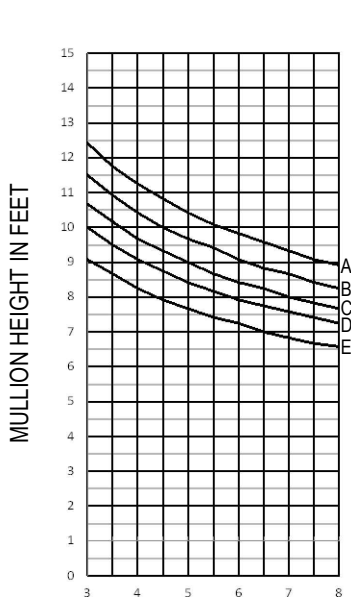
$I = 2.722 \text{ IN}^4$



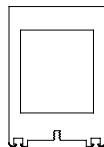
MULLION SPACING IN FEET

SM560 WITH STEEL REINFORCEMENT
1 3/8" X 2 5/16" 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.

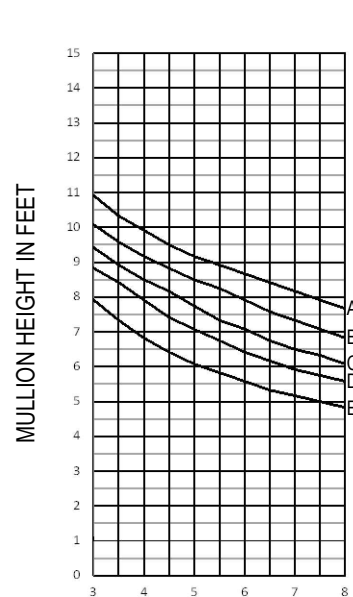


$I = 2.991 \text{ IN}^4$
 $S = 2.028 \text{ IN}^3$

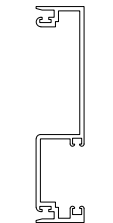


MULLION SPACING IN FEET

SM558



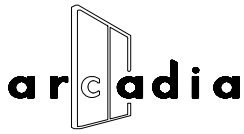
$I = 2.041 \text{ IN}^4$
 $S = 0.870 \text{ IN}^3$



MULLION SPACING IN FEET

MO379

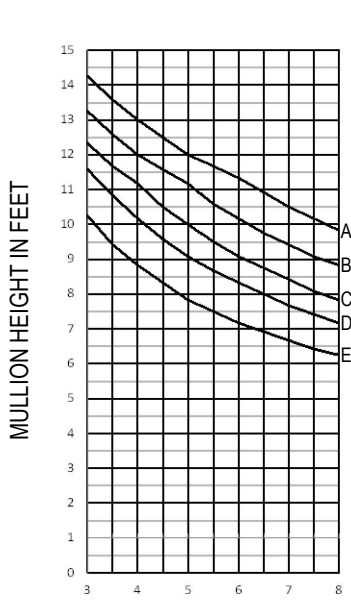
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



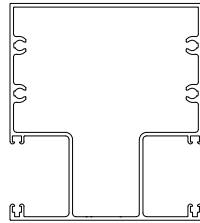
Windload Charts | AFG451 Series

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

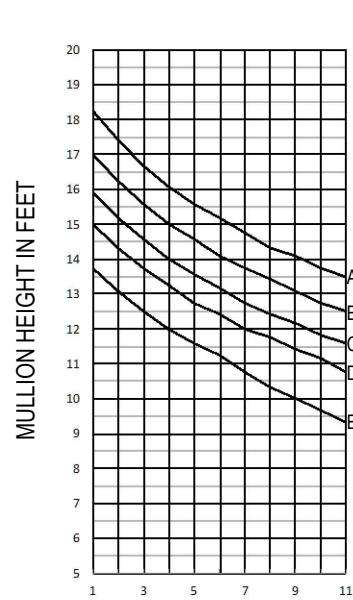


$I = 4.584 \text{ IN}^4$
 $S = 1.979 \text{ IN}^3$

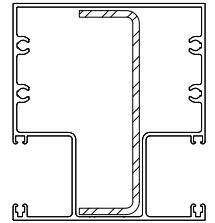


MULLION SPACING IN FEET

MO2550



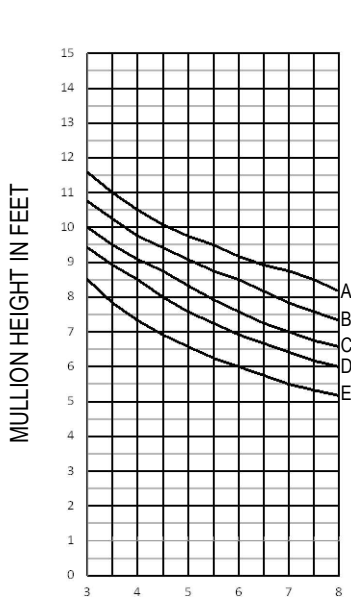
$I = 10.29 \text{ IN}^4$



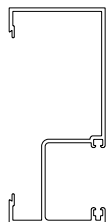
MULLION SPACING IN FEET

MO2550 WITH
 STEEL REINFORCEMENT
 1 1/4" X 4 1/4" 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.
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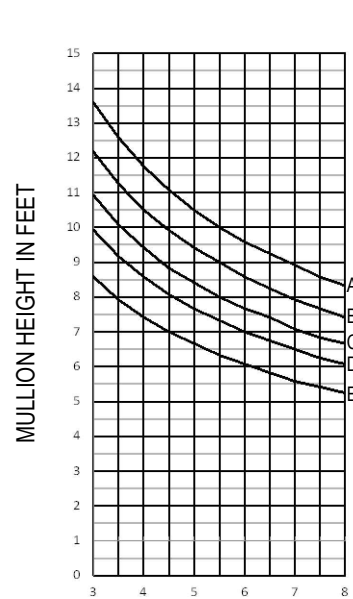


$I = 2.454 \text{ IN}^4$
 $S = 1.019 \text{ IN}^3$

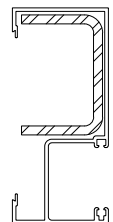


MULLION SPACING IN FEET

DJM265



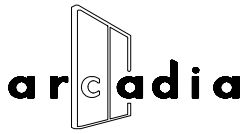
$I = 5.067 \text{ IN}^4$



MULLION SPACING IN FEET

DJM265 WITH
 STEEL REINFORCEMENT
 1 11/16" X 2 1/2" X 3/16"

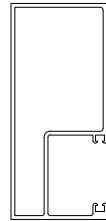
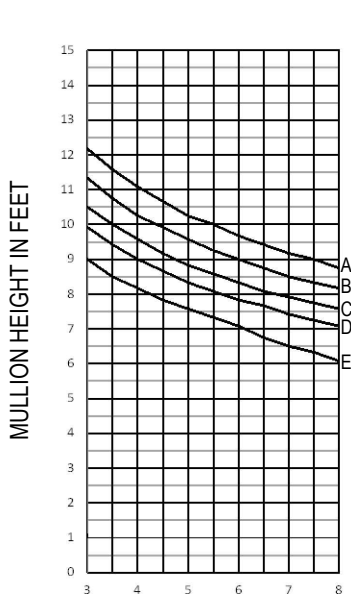
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



Windload Charts | AFG451 Series

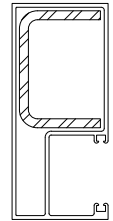
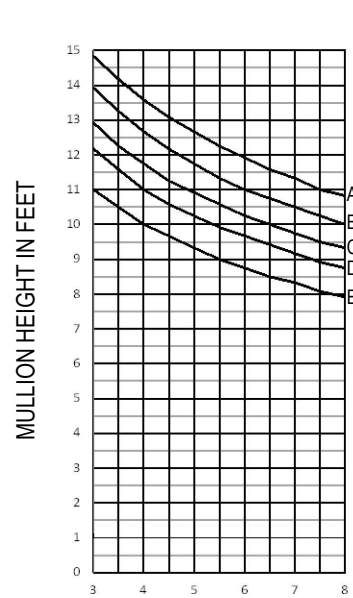
A = 16 P.S.F. (766 Pa) Description: 2" X 4 1/2" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Storefront
 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria
 D = 30 P.S.F. (1436 Pa) Scale: N.T.S.
 E = 40 P.S.F. (1915 Pa)

SHEET 5 OF 7



MULLION SPACING IN FEET

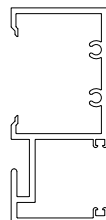
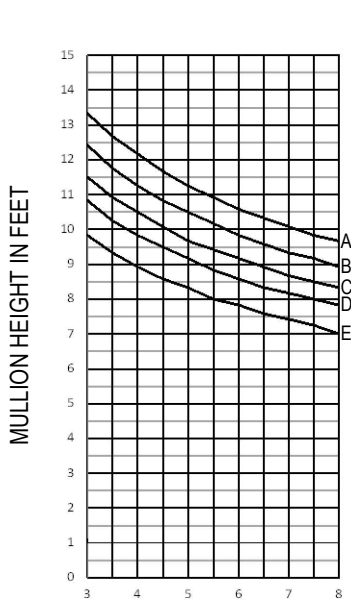
DJM260



MULLION SPACING IN FEET

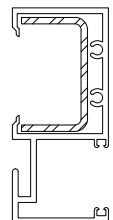
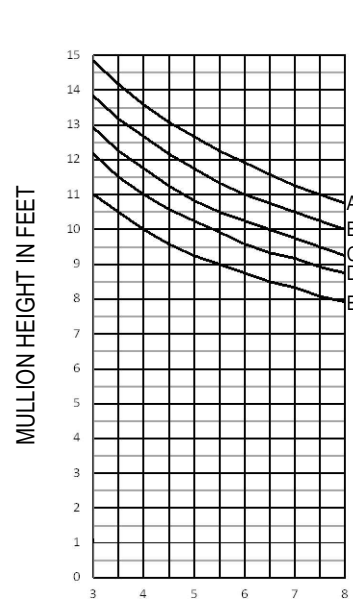
DJM260 WITH STEEL REINFORCEMENT
1 11/16" X 2 7/16" X 3/16"

- 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.
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- 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.
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- Arcadia assumes no responsibility for selecting the appropriate systems for specific projects.



MULLION SPACING IN FEET

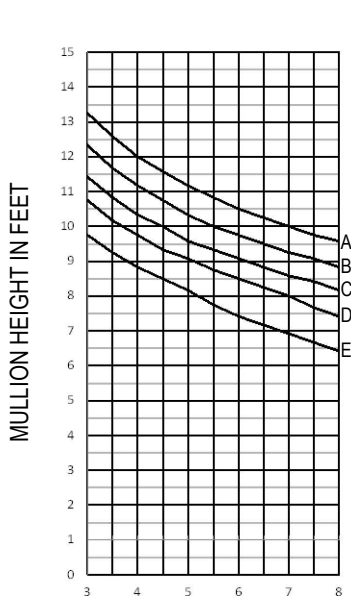
DJM261



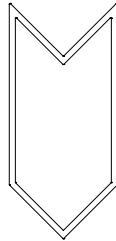
MULLION SPACING IN FEET

DJM261 WITH STEEL REINFORCEMENT
1 3/8" X 2 3/8" X 10 GA.

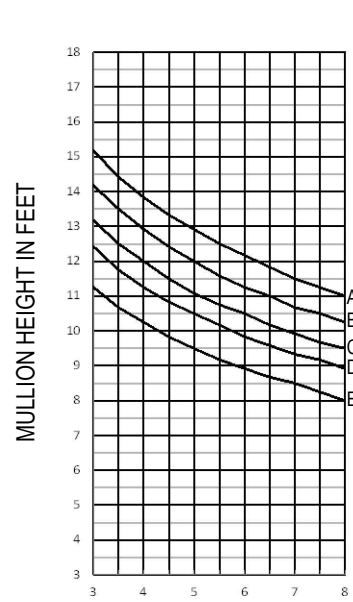
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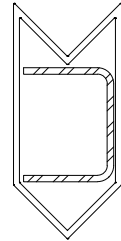
MULLION SPACING IN FEET



ICOC555

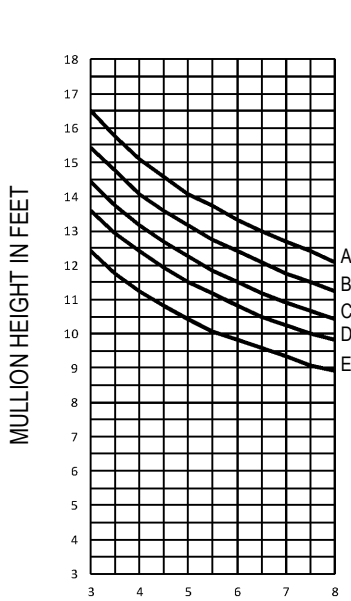


MULLION SPACING IN FEET

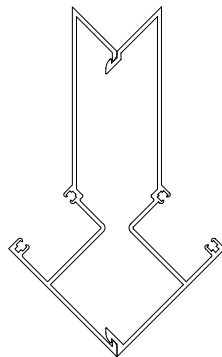


ICOC555 WITH
STEEL REINFORCEMENT
1 7/8" X 2 3/8" X 10 GA.

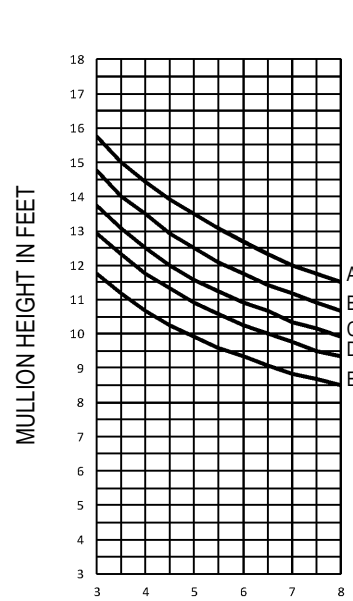
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- Aluminum extrusions shall be 6063-T6 alloy. Allowable stresses to be derived per Aluminum Design Manual. Deflection limitation of mullions shall be in accordance with AAMA TIR-A11 of L/175 for spans up to 13'-6" and L/240 + 1/4" for all others where L is equal to the span of mullion.
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- 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.
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- Arcadia assumes no responsibility for selecting the appropriate systems for specific projects.



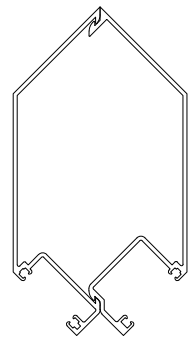
MULLION SPACING IN FEET



OC463 / OC464

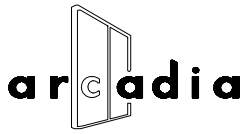


MULLION SPACING IN FEET



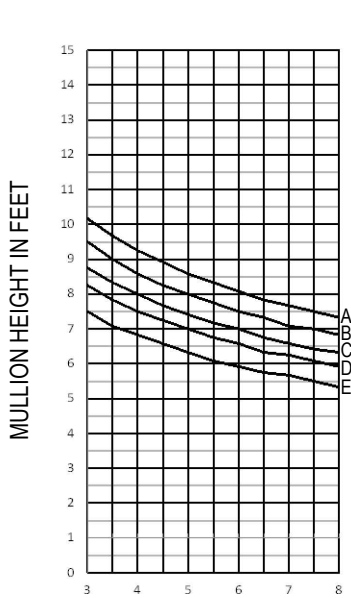
IC461 / IC462

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

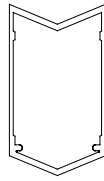


Windload Charts | AFG451 Series

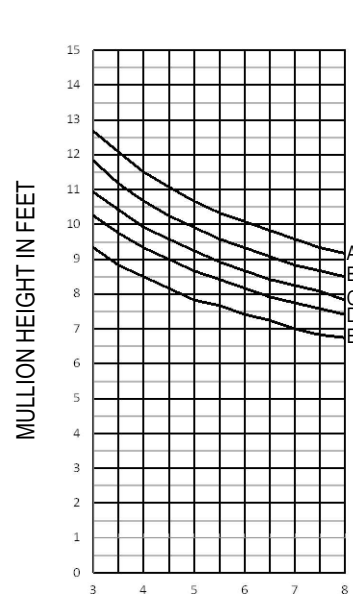
A = 16 P.S.F. (766 Pa) Description: 2" X 4 1/2" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Storefront
 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria
 D = 30 P.S.F. (1436 Pa) Scale: N.T.S.
 E = 40 P.S.F. (1915 Pa) SHEET 7 OF 7



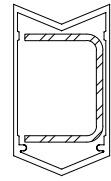
$I = 1.647 \text{ IN}^4$
 $S = 0.902 \text{ IN}^3$



ICOC535



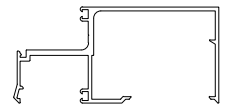
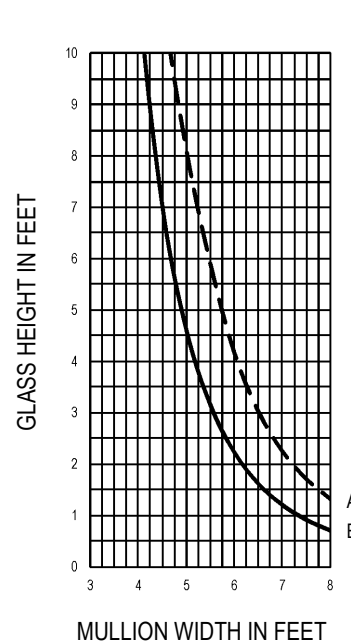
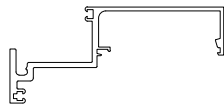
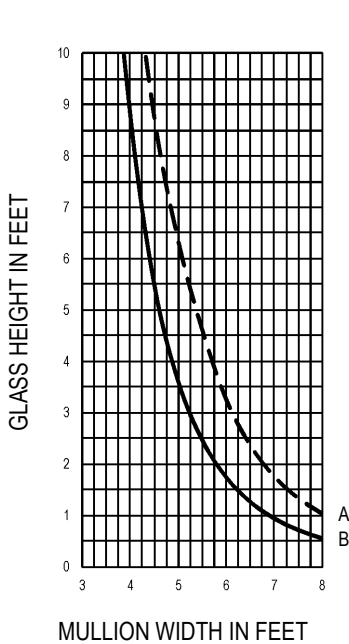
$I = 3.197 \text{ IN}^4$



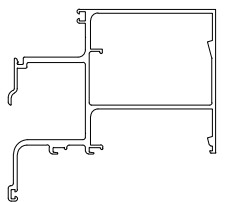
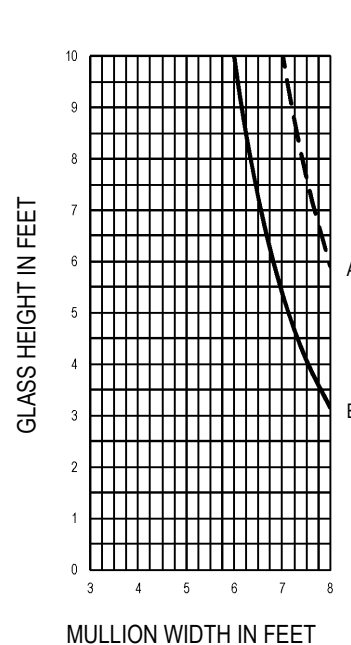
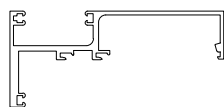
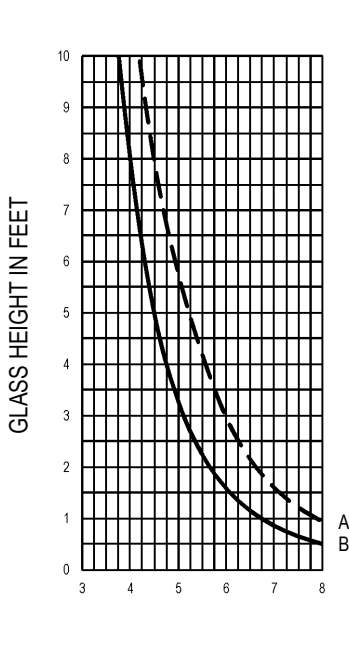
ICOC535 WITH
 STEEL REINFORCEMENT
 1 5/8" X 2 1/4" X 10 GA.

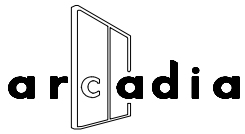
- Mullions are assumed to be single span, simple beam elements, uniformly loaded and adequately braced to prevent lateral-torsional buckling. All other complex design conditions shall be reviewed by Arcadia or a design professional.
- Aluminum extrusions shall be 6063-T6 alloy. Allowable stresses to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

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



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





Deadload Charts | AFG451 Series

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

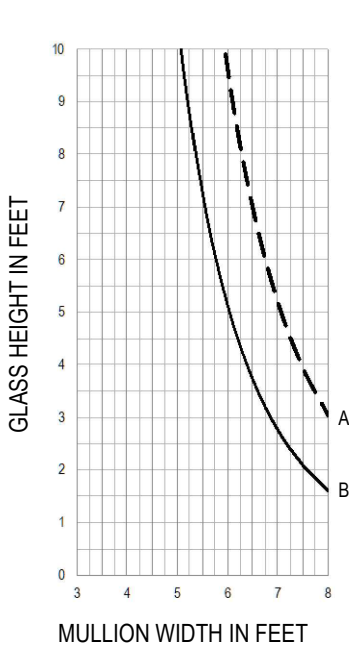
Function: Storefront

Detail: Design Criteria

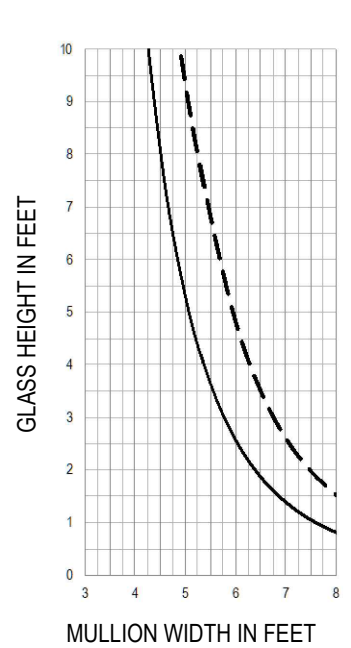
Scale: N.T.S.

Deadload Charts for 1" Glass (7.00 PSF)

SHEET 2 OF 2

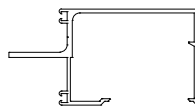
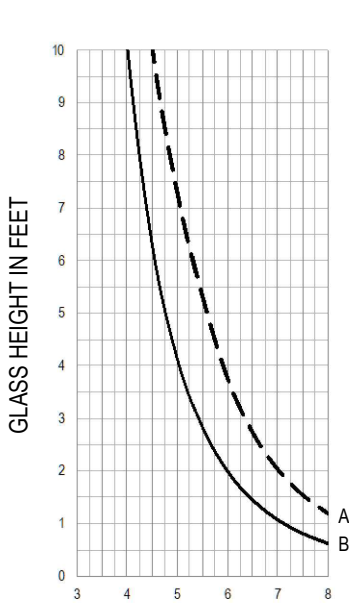


T245 - 1" GLASS
HORIZONTAL MULLION



T245 - 1" GLASS
DOOR HEADER

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



HM435MOD - 1" GLASS