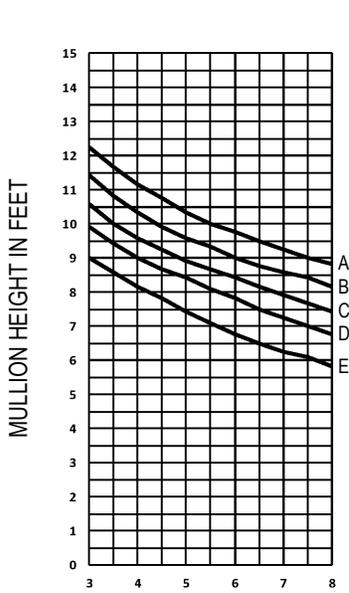


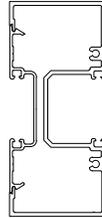
Windload Charts | ASL451 Series

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

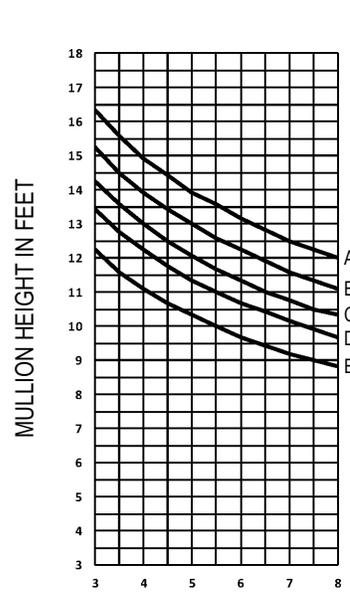


$I = 2.909 \text{ IN}^4$
 $S_1 = 1.116 \text{ IN}^3$ $S_2 = 0.228 \text{ IN}^3$

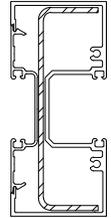


MULLION SPACING IN FEET

M202 / GF200



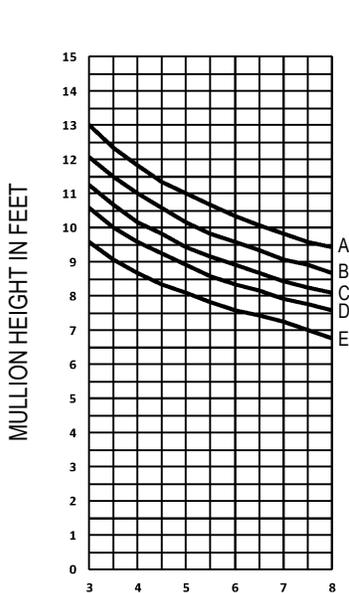
$I = 7.492 \text{ IN}^4$



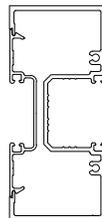
MULLION SPACING IN FEET

M202 / GF210 WITH STEEL REINFORCEMENT
1 1/4" X 4 1/4" X 12 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.

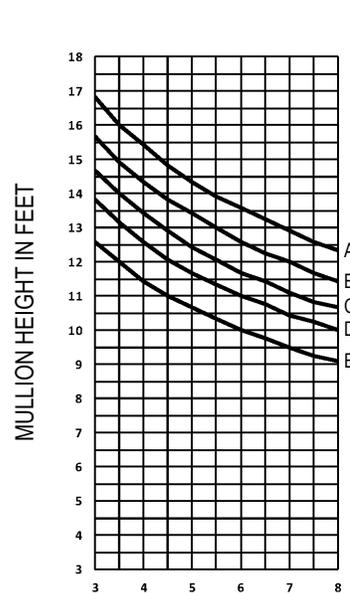


$I = 3.480 \text{ IN}^4$
 $S_1 = 1.369 \text{ IN}^3$ $S_2 = 0.228 \text{ IN}^3$

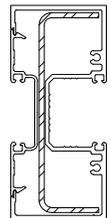


MULLION SPACING IN FEET

M212 / GF200



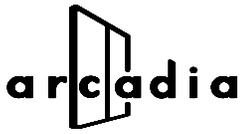
$I = 7.891 \text{ IN}^4$



MULLION SPACING IN FEET

M212 / GF210 WITH STEEL REINFORCEMENT
1 1/4" X 4 3/16" X 12 GA.

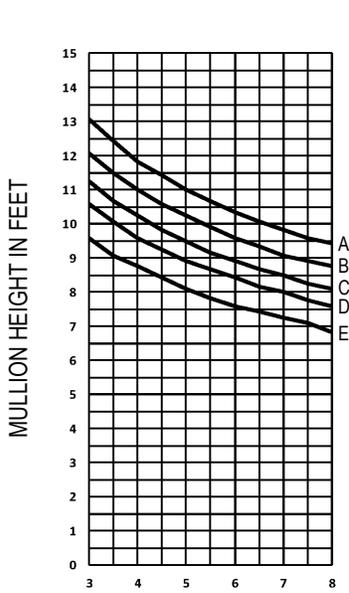
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



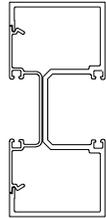
Windload Charts | ASL451 Series

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

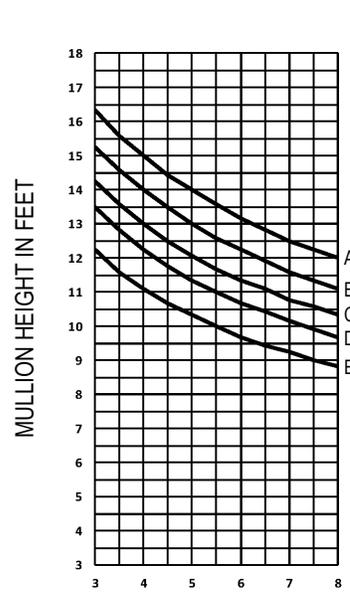


$I = 3.437 \text{ IN}^4$
 $S_1 = 1.378 \text{ IN}^3$ $S_2 = 0.228 \text{ IN}^3$

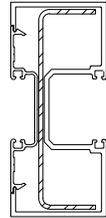


MULLION SPACING IN FEET

M222 / GF200



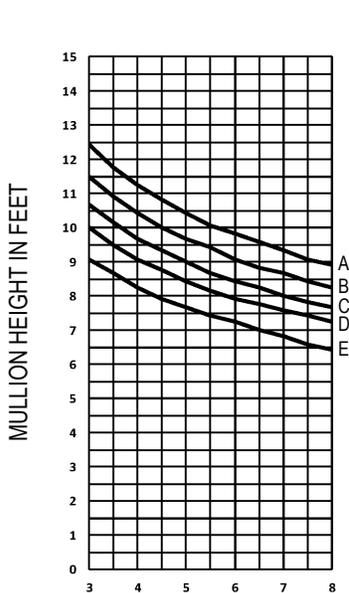
$I = 7.222 \text{ IN}^4$



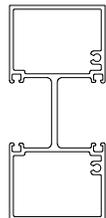
MULLION SPACING IN FEET

M222 / GF210 WITH STEEL REINFORCEMENT
1 3/16" X 4 3/16" X 13 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.

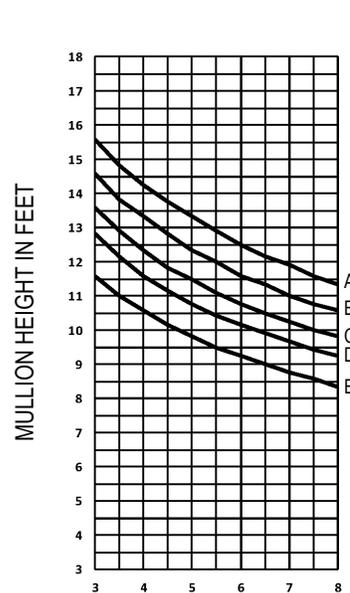


$I = 2.990 \text{ IN}^4$
 $S = 1.329 \text{ IN}^3$

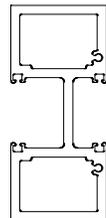


MULLION SPACING IN FEET

M215



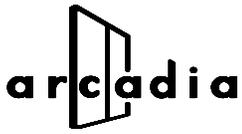
$I = 6.184 \text{ IN}^4$
 $S = 2.748 \text{ IN}^3$



MULLION SPACING IN FEET

M216

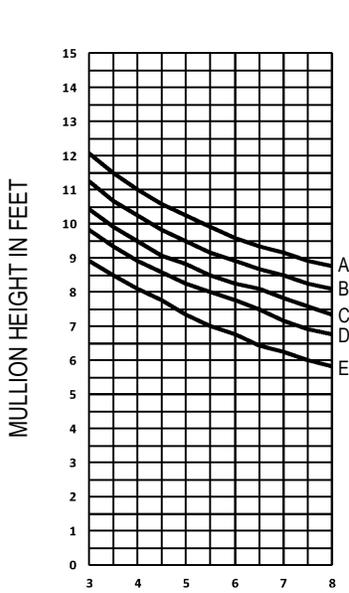
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



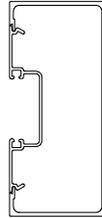
Windload Charts | ASL451 Series

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

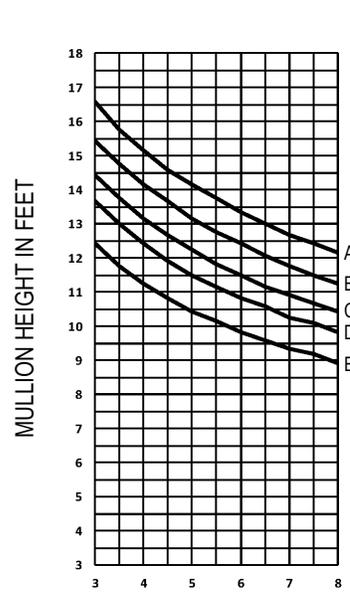


$I = 2.805 \text{ IN}^4$
 $S_1 = 1.069 \text{ IN}^3$ $S_2 = 0.228 \text{ IN}^3$

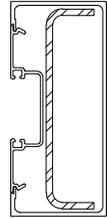


MULLION SPACING IN FEET

DJ201 / GF200



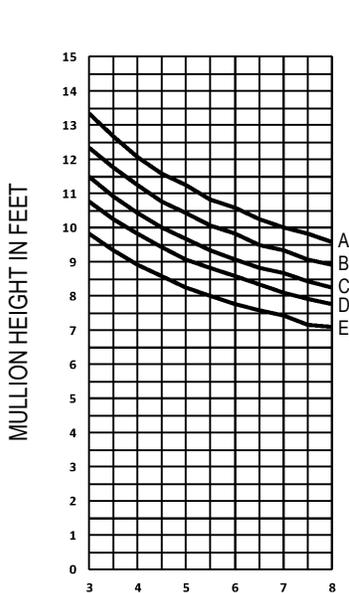
$I = 7.512 \text{ IN}^4$



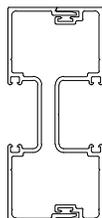
MULLION SPACING IN FEET

DJ201 / GF200 WITH STEEL REINFORCEMENT
1" X 4 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.
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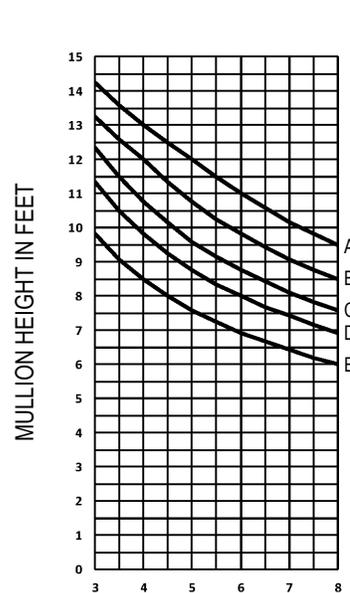


$I = 3.713 \text{ IN}^4$
 $S_1 = 0.855 \text{ IN}^3$ $S_2 = 0.796 \text{ IN}^3$

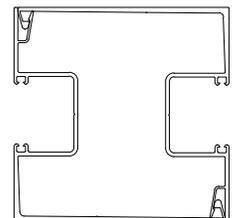


MULLION SPACING IN FEET

M204 / M205



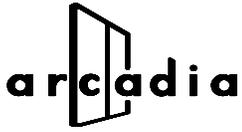
$I = 4.614 \text{ IN}^4$
 $S_1 = 0.731 \text{ IN}^3$ $S_2 = 0.731 \text{ IN}^3$



MULLION SPACING IN FEET

CT210 / CT210

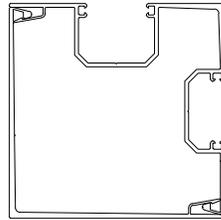
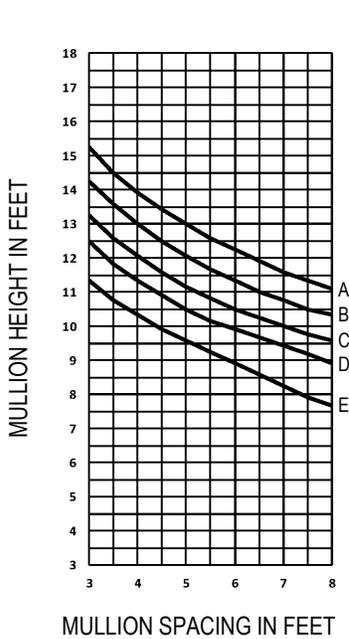
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



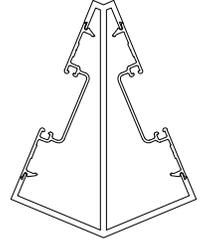
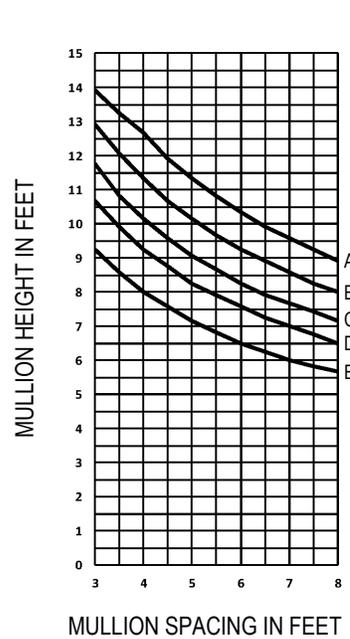
Windload Charts | ASL451 Series

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 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 4



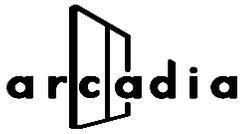
CT211 / CT209



C145 / GF200

- 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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Deadload Charts | ASL451 Series

Description: 2" X 4 1/2" Center Glazed for 1" Glass

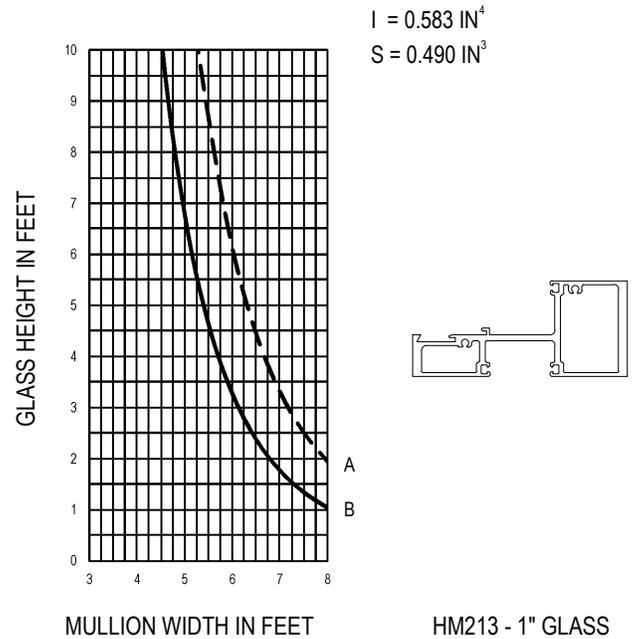
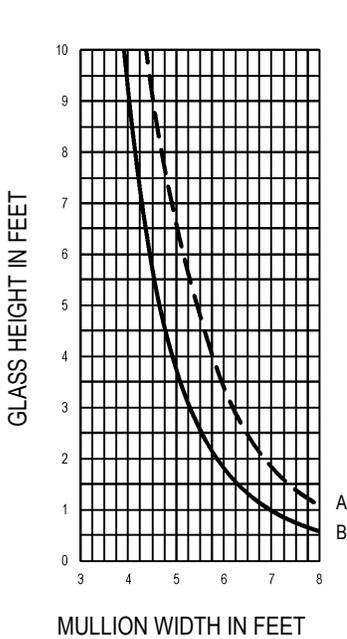
Function: Storefront

Detail: Design Criteria

Scale: N.T.S.

Deadload Charts for 1" Glass (7.00 PSF)

SHEET 1 OF 1



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

