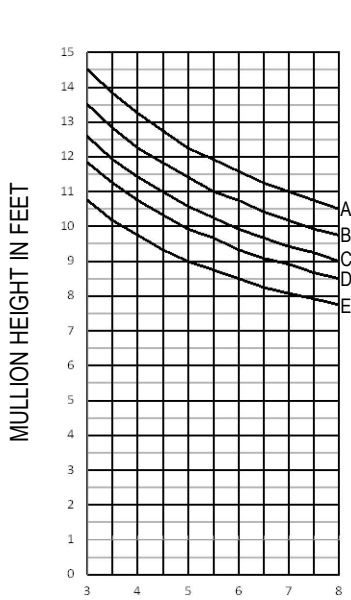


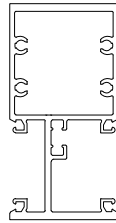
Windload Charts | TC470 Series

A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 4 1/2" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Storefront/Window Wall
 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 6

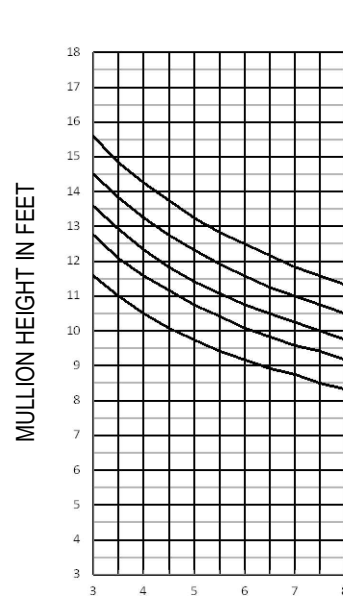


$I = 4.920 \text{ IN}^4$
 $S = 2.139 \text{ IN}^3$

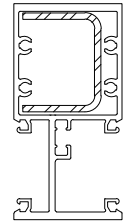


MULLION SPACING IN FEET

TH480



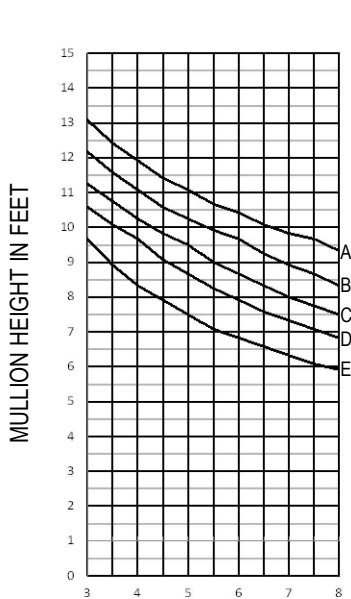
$I = 6.183 \text{ IN}^4$



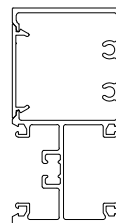
MULLION SPACING IN FEET

TH480 WITH STEEL REINFORCEMENT
1 5/8" X 2 1/16" 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.

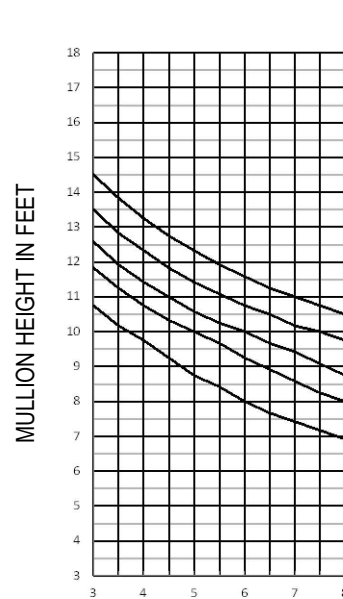


$I = 3.543 \text{ IN}^4$
 $S_1 = 1.459 \text{ IN}^3$ $S_2 = 0.072 \text{ IN}^3$

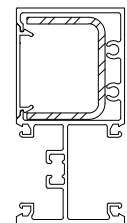


MULLION SPACING IN FEET

TH406 / FF205



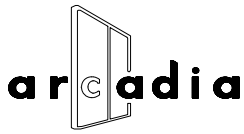
$I = 4.892 \text{ IN}^4$



MULLION SPACING IN FEET

TH406 / FF205 WITH STEEL REINFORCEMENT
1 5/8" X 2 1/8" X 10 GA.

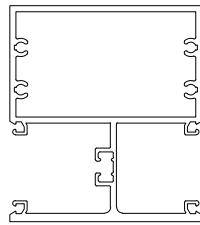
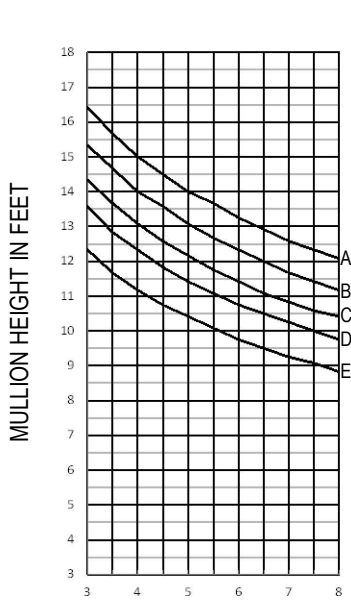
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



Windload Charts | TC470 Series

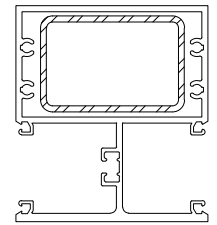
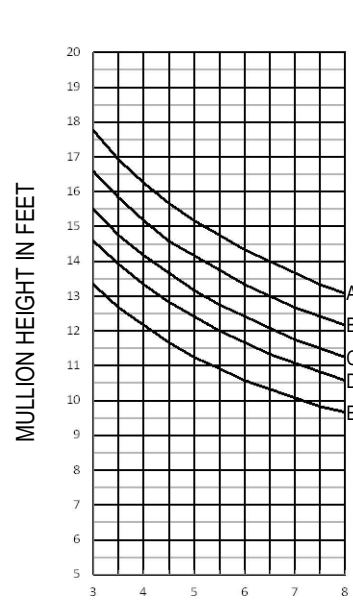
A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 4 1/2" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Storefront/Window Wall
 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria
 D = 30 P.S.F. (1436 Pa) Scale: N.T.S.
 E = 40 P.S.F. (1915 Pa)

SHEET 2 OF 6



MULLION SPACING IN FEET

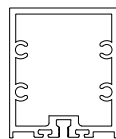
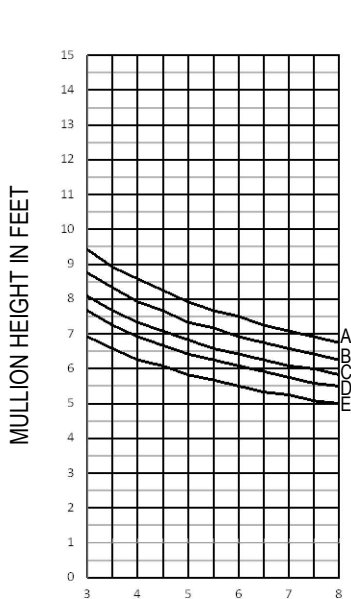
TH445



MULLION SPACING IN FEET

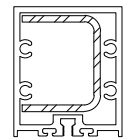
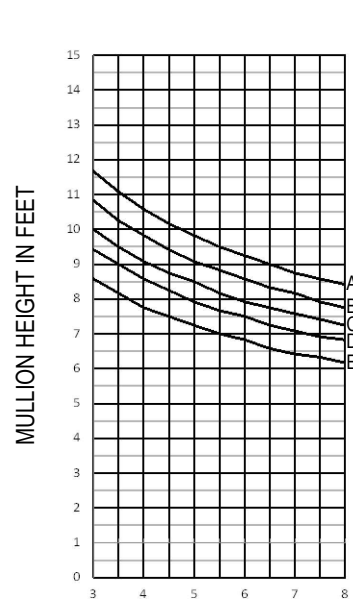
TH445 WITH STEEL REINFORCEMENT
HSS 3 " X 2" X 1/8"

- 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.



MULLION SPACING IN FEET

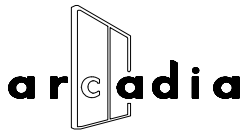
TH426



MULLION SPACING IN FEET

TH426 WITH STEEL REINFORCEMENT
1 5/8" X 2" X 10 GA.

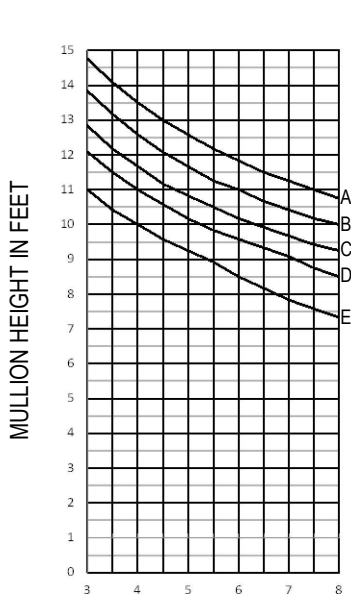
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



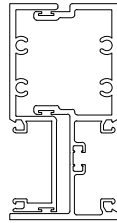
Windload Charts | TC470 Series

A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 4 1/2" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Storefront/Window Wall
 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 6

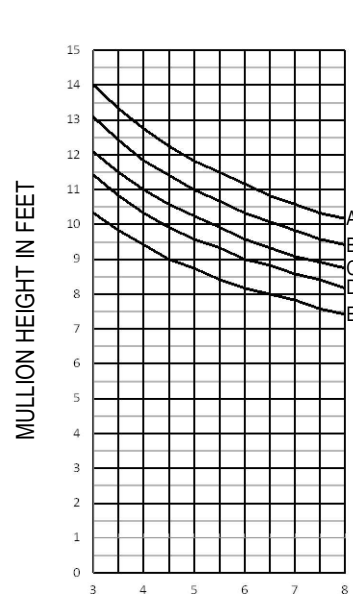


$I = 5.202 \text{ IN}^4$
 $S_1 = 1.459 \text{ IN}^3$ $S_2 = 0.810 \text{ IN}^3$

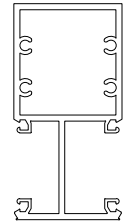


MULLION SPACING IN FEET

TH437 / TH438



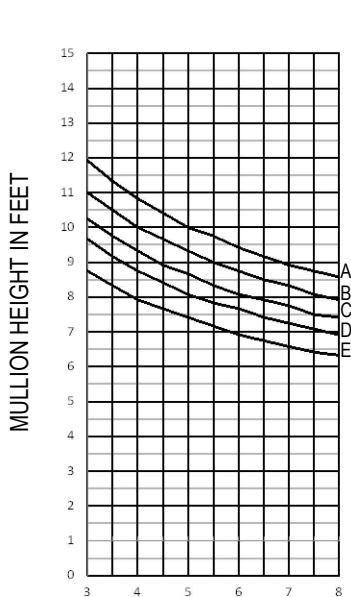
$I = 4.378 \text{ IN}^4$
 $S = 1.850 \text{ IN}^3$



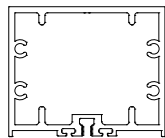
MULLION SPACING IN FEET

TH408

- 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.

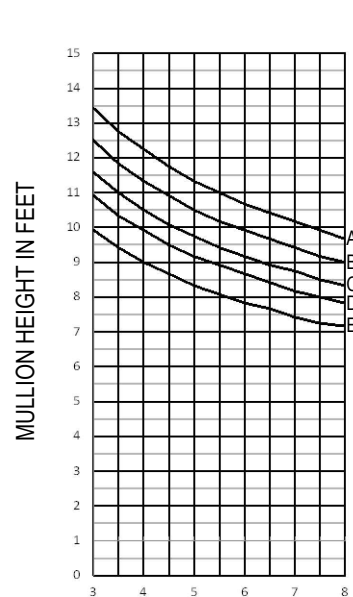


$I = 2.651 \text{ IN}^4$
 $S = 1.909 \text{ IN}^3$

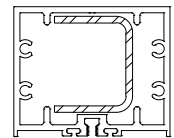


MULLION SPACING IN FEET

TH426325



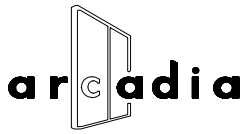
$I = 3.828 \text{ IN}^4$



MULLION SPACING IN FEET

TH426325 WITH STEEL REINFORCEMENT
1 5/8" X 2" X 10 GA.

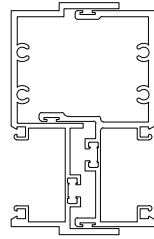
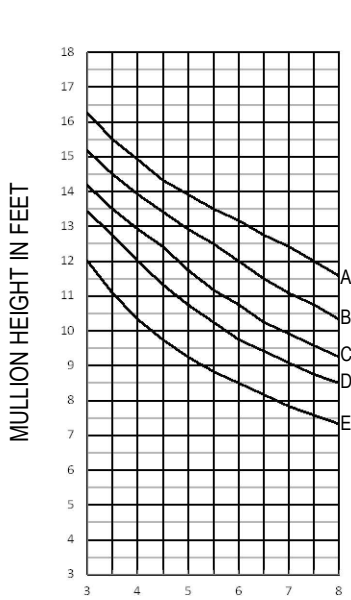
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



Windload Charts | TC470 Series

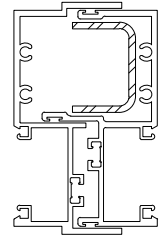
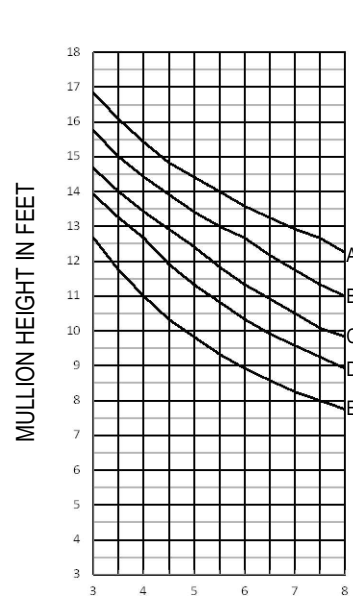
A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 4 1/2" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Storefront/Window Wall
 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria
 D = 30 P.S.F. (1436 Pa) Scale: N.T.S.
 E = 40 P.S.F. (1915 Pa)

SHEET 4 OF 6



MULLION SPACING IN FEET

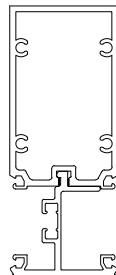
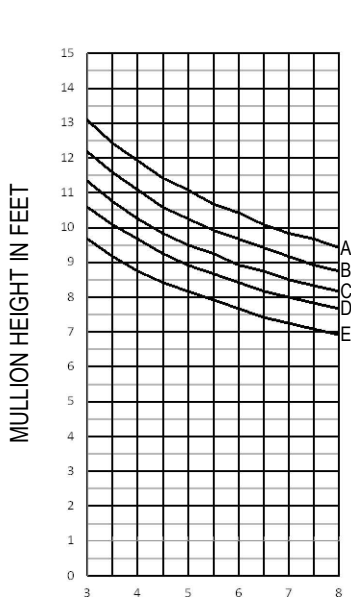
TH430 / TH436



MULLION SPACING IN FEET

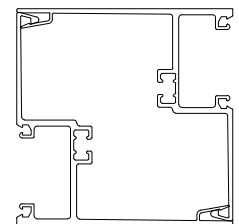
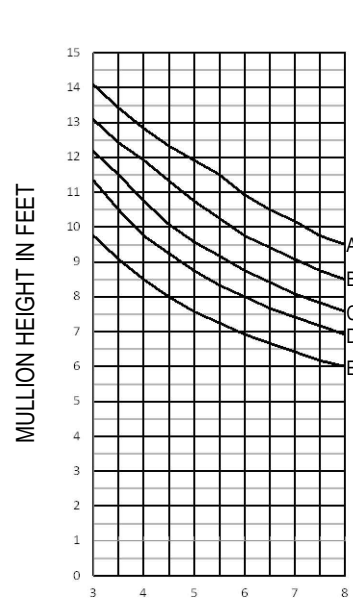
TH430 / TH436 WITH STEEL REINFORCEMENT
1 5/16" X 1 7/8" X 10 GA.

- 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.



MULLION SPACING IN FEET

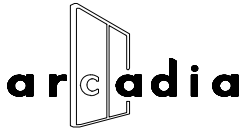
TH626 SIM / TH970



MULLION SPACING IN FEET

TH405 / TH405

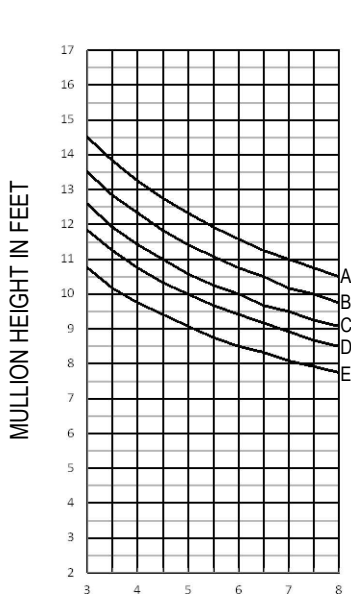
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



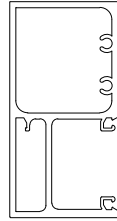
Windload Charts | TC470 Series

A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 4 1/2" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Storefront/Window Wall
 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 6

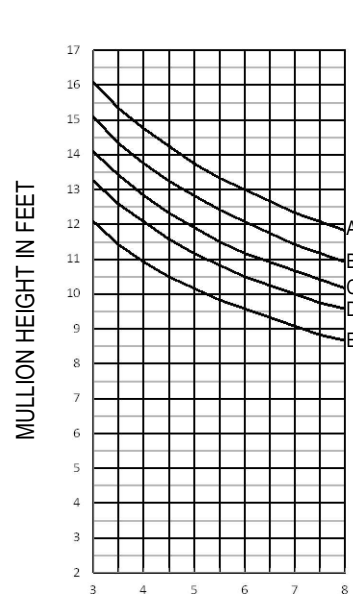


$I = 4.892 \text{ IN}^4$
 $S = 2.102 \text{ IN}^3$

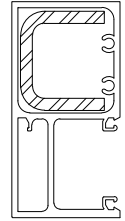


MULLION SPACING IN FEET

TH460



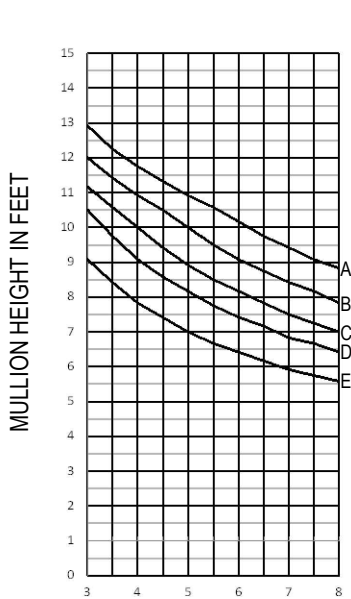
$I = 6.901 \text{ IN}^4$



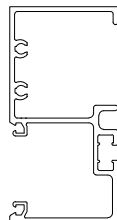
MULLION SPACING IN FEET

TH460 WITH STEEL REINFORCEMENT
1 3/4" X 2 1/16" X 1/4"

- 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.

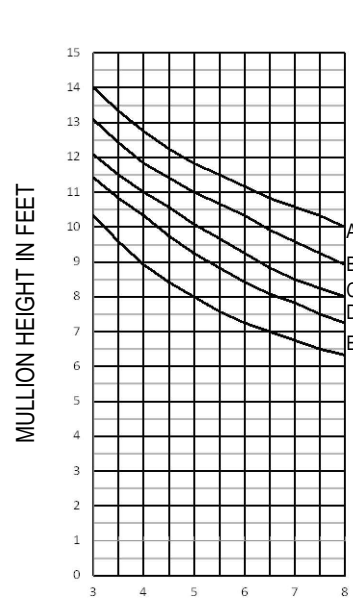


$I = 3.407 \text{ IN}^4$
 $S = 1.467 \text{ IN}^3$

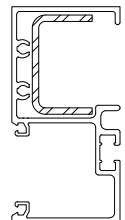


MULLION SPACING IN FEET

TH481



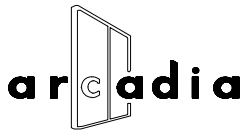
$I = 4.383 \text{ IN}^4$



MULLION SPACING IN FEET

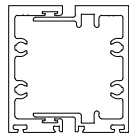
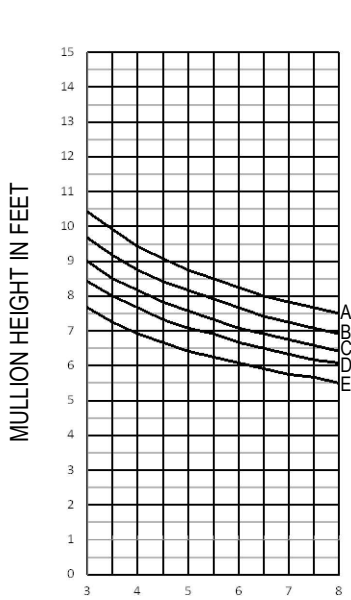
TH481 WITH STEEL REINFORCEMENT
1 1/4" X 2 1/16" X 10 GA.

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



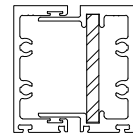
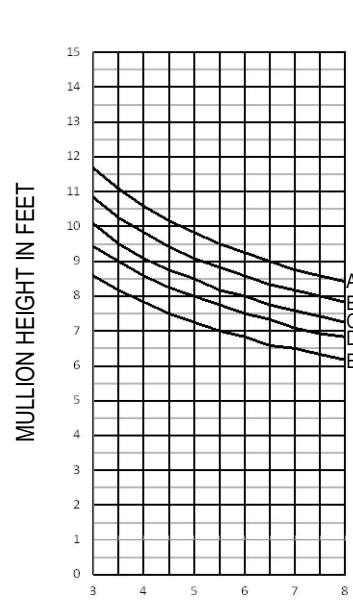
Windload Charts | TC470 Series

A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 4 1/2" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Storefront/Window Wall
 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 6 OF 6



MULLION SPACING IN FEET

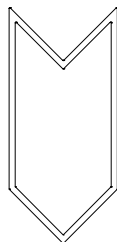
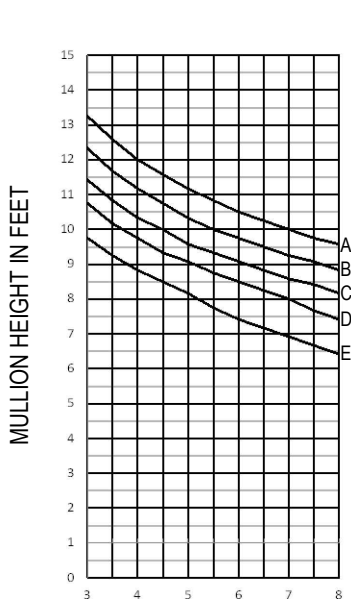
TH491 / TH492



MULLION SPACING IN FEET

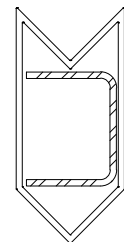
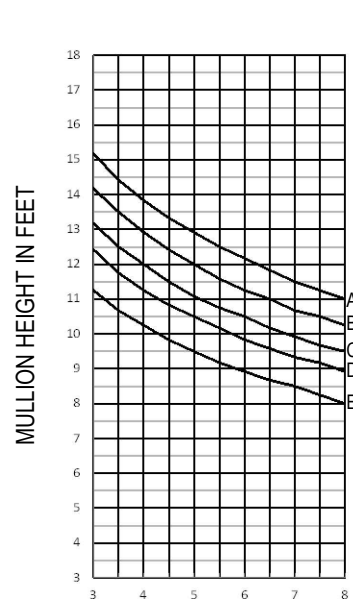
TH491 / TH492 WITH STEEL REINFORCEMENT
1 3/4" X 1/4" BAR

- 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.



MULLION SPACING IN FEET

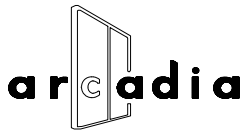
ICOC555



MULLION SPACING IN FEET

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

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



Deadload Charts | TC470 Series

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

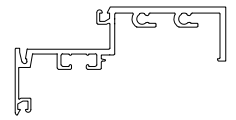
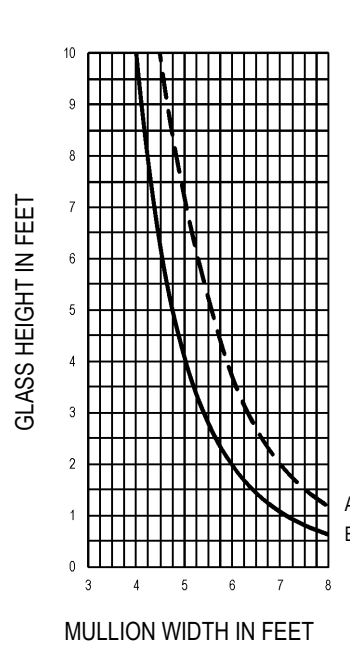
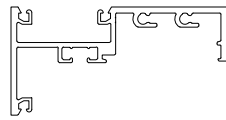
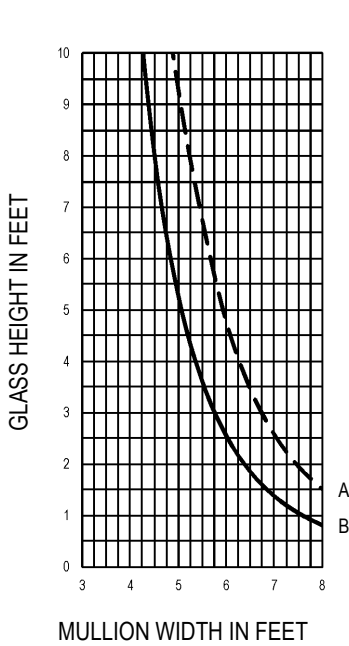
Function: Storefront/Window Wall

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.

