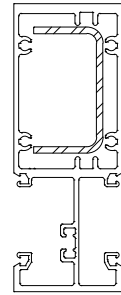
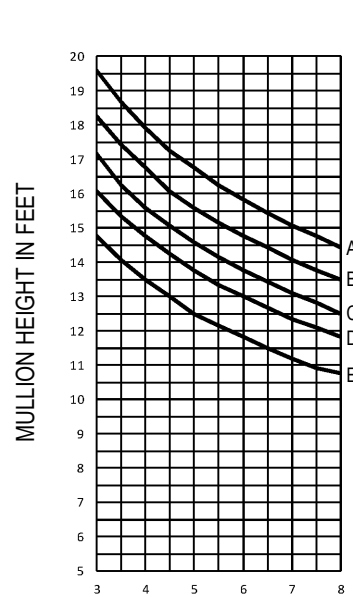


MULLION SPACING IN FEET

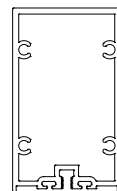
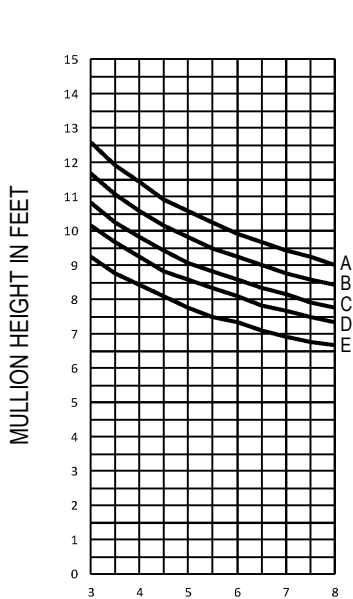
TH630



MULLION SPACING IN FEET

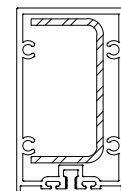
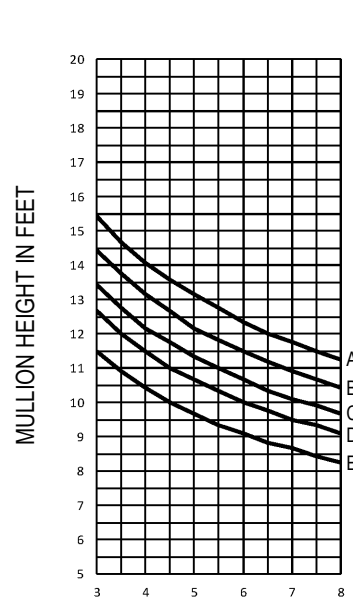
TH630 WITH
STEEL REINFORCEMENT
1 7/16" X 2 5/8" X 10 GA.

- 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

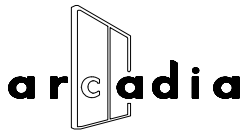
TH626



MULLION SPACING IN FEET

TH626 WITH
STEEL REINFORCEMENT
1 1/2" X 3" X 10 GA.

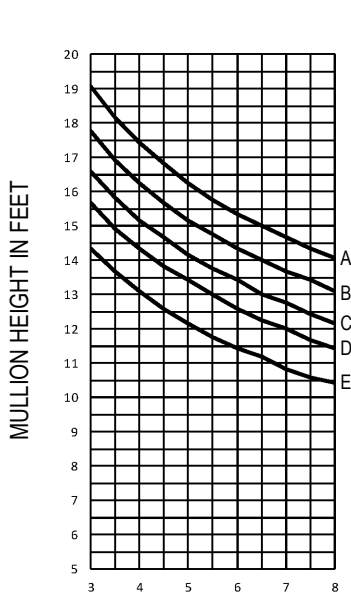
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



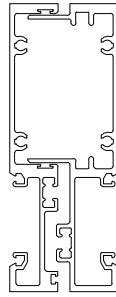
Windload Charts | UW670T Series

A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 6" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Unitized Wall System
 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 3

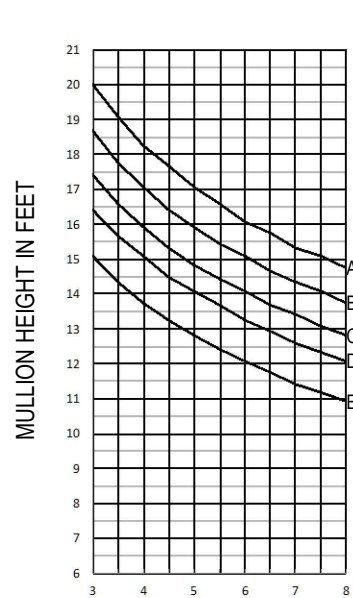


$I = 11.808 \text{ IN}^4$
 $S_1 = 2.059 \text{ IN}^3$ $S_2 = 1.699 \text{ IN}^3$

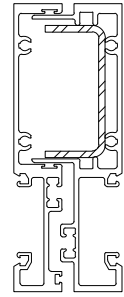


MULLION SPACING IN FEET

TH684 / TH686



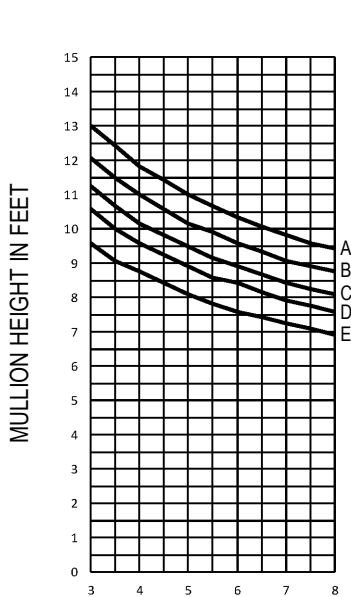
$I = 13.788 \text{ IN}^4$



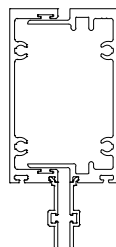
MULLION SPACING IN FEET

TH684 / TH686 WITH STEEL REINFORCEMENT
1 1/4" X 2 3/4" 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.

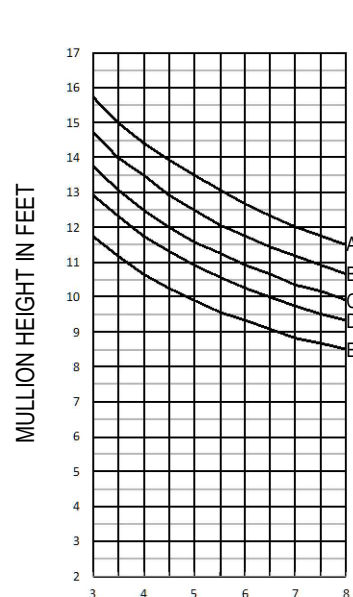


$I = 3.489 \text{ IN}^4$
 $S_1 = 1.084 \text{ IN}^3$ $S_2 = 0.803 \text{ IN}^3$

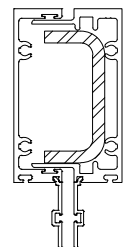


MULLION SPACING IN FEET

TH687 / TH688



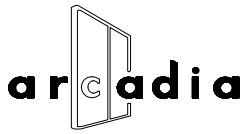
$I = 6.416 \text{ IN}^4$



MULLION SPACING IN FEET

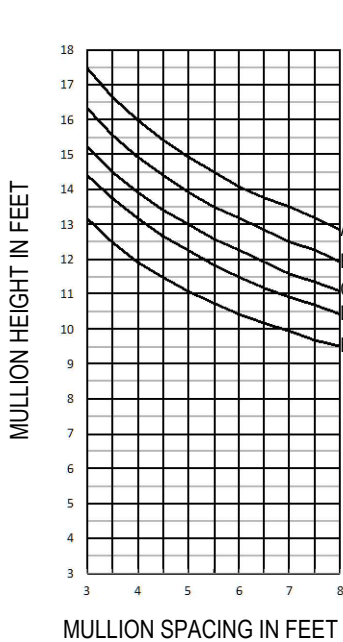
TH687 / TH688 WITH STEEL REINFORCEMENT
1 1/4" X 2 3/4" X 1/4"

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

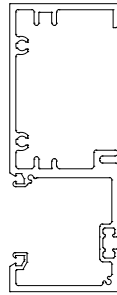


Windload Charts | UW670T Series

A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 6" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Unitized Wall System
 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 3



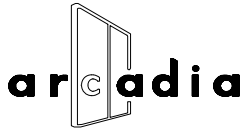
$I = 8.960 \text{ IN}^4$
 $S = 2.888 \text{ IN}^3$



TH685

- 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 | UW670T Series

Description: 2 1/4" X 6" Captured Glazed for 1" Glass

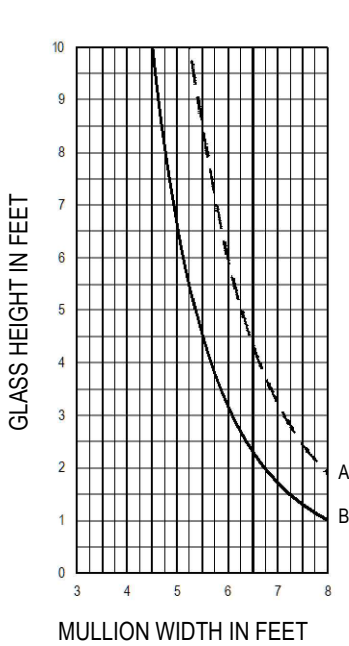
Function: Unitized Wall System

Detail: Design Criteria

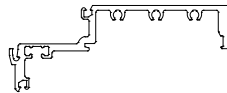
Scale: N.T.S.

Deadload Charts for 1" Glass (7.00 PSF)

SHEET 1 OF 1



$$I = 0.567 \text{ IN}^4$$
$$S = 0.365 \text{ IN}^3$$



TH675 1" GLASS

CURVE REPRESENTATION

A (----) = 1/8 PTS.

B (—) = 1/4 PTS.