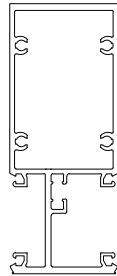
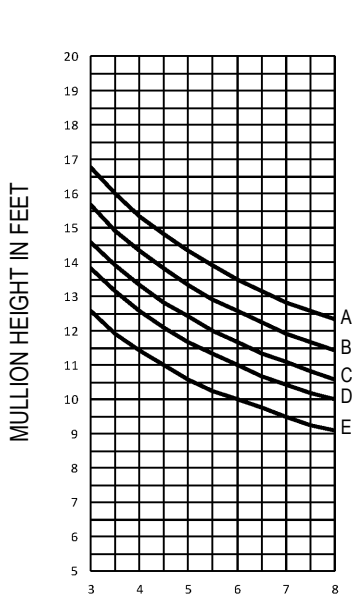


Windload Charts | TC670 Series

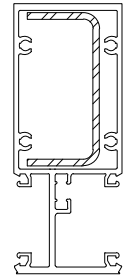
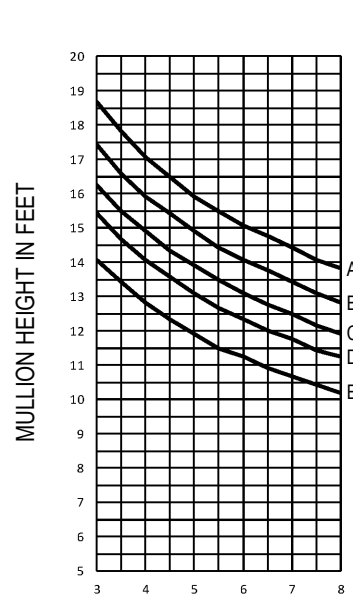
A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 6" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Window Wall
 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria
 D = 30 P.S.F. (1436 Pa) Scale: N.T.S.
 E = 40 P.S.F. (1915 Pa)

SHEET 1 OF 4



MULLION SPACING IN FEET

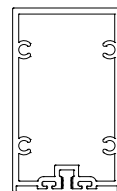
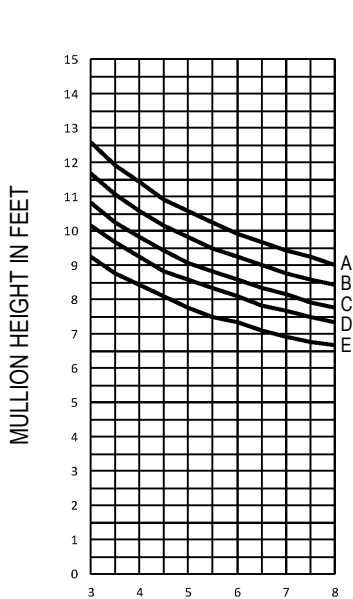
TH606



MULLION SPACING IN FEET

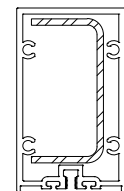
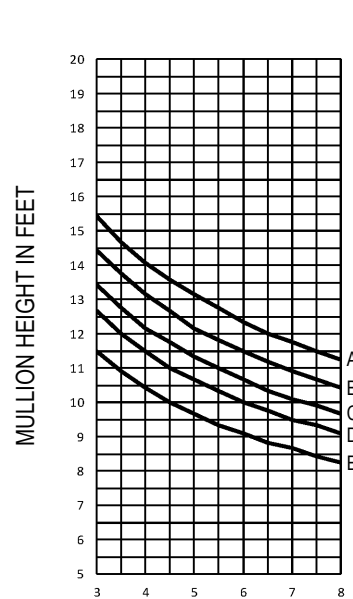
TH606 WITH STEEL REINFORCEMENT
1 1/2" X 3 3/16" X 10 GA.

- 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.



MULLION SPACING IN FEET

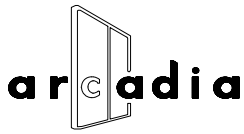
TH626



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.

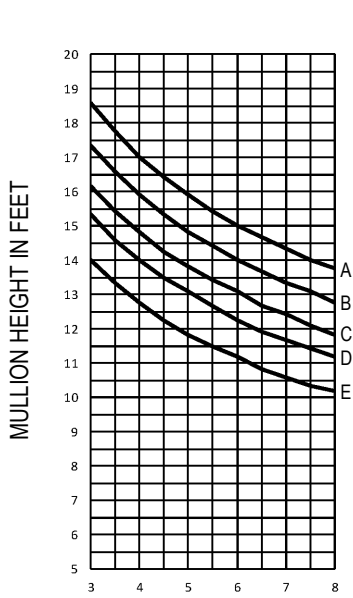


Windload Charts | TC670 Series

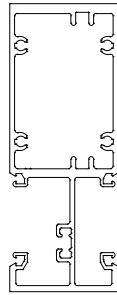
A = 16 P.S.F. (766 Pa)
 B = 20 P.S.F. (958 Pa)
 C = 25 P.S.F. (1197 Pa)
 D = 30 P.S.F. (1436 Pa)
 E = 40 P.S.F. (1915 Pa)

Description: 2 1/4" X 6" Offset Glazed For 1" Glass
 Function: Window Wall
 Detail: Design Criteria
 Scale: N.T.S.

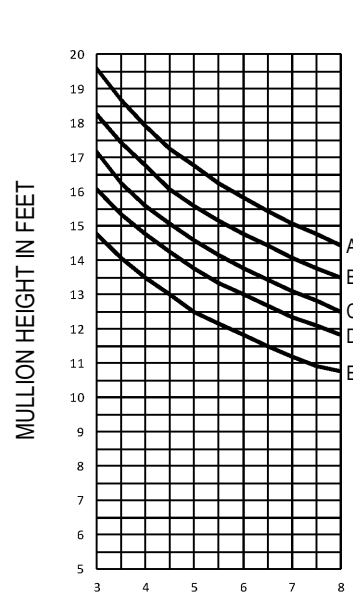
SHEET 2 OF 5



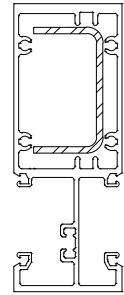
$I = 10.940 \text{ IN}^4$
 $S = 3.512 \text{ IN}^3$



TH630

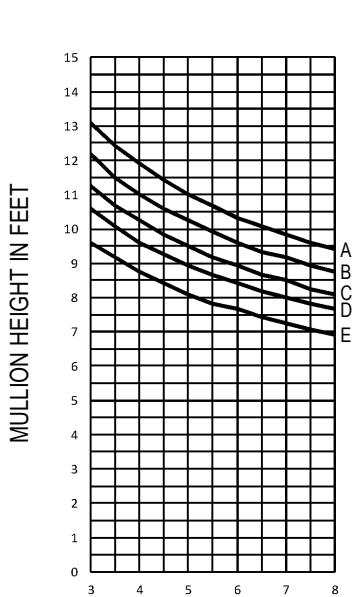


$I = 12.920 \text{ IN}^4$

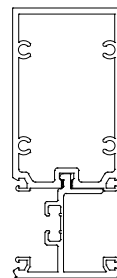


TH630 WITH
 STEEL REINFORCEMENT
 1 7/16" X 2 5/8" X 10 GA.

- 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.



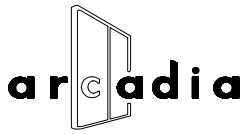
$I = 3.521 \text{ IN}^4$
 $S_1 = 1.586 \text{ IN}^3$ $S_2 = 0.287 \text{ IN}^3$



TH626SIM / TH970

MULLION SPACING IN FEET

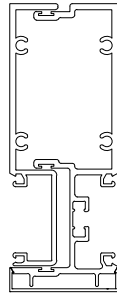
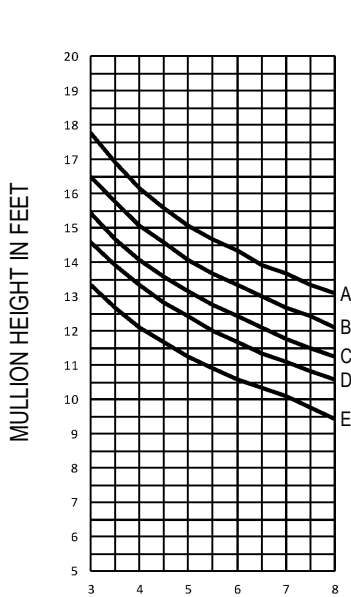
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



Windload Charts | TC670 Series

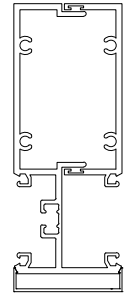
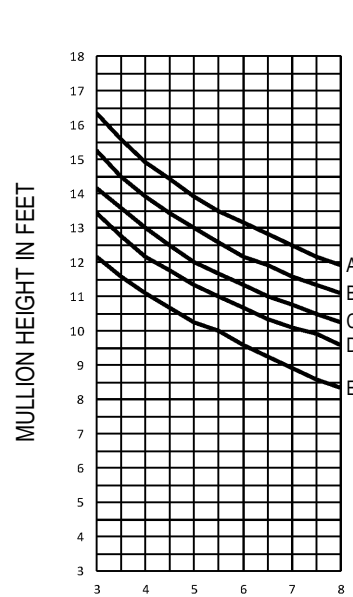
A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 6" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Window Wall
 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria
 D = 30 P.S.F. (1436 Pa) Scale: N.T.S.
 E = 40 P.S.F. (1915 Pa)

SHEET 3 OF 5



MULLION SPACING IN FEET

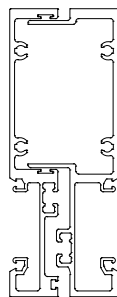
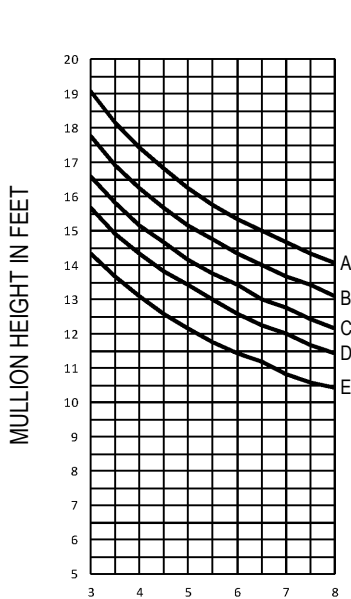
TH647 / TH648



MULLION SPACING IN FEET

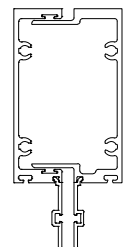
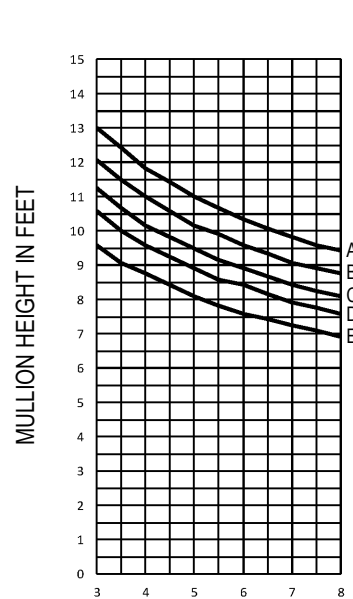
TH658 / TH659

- 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

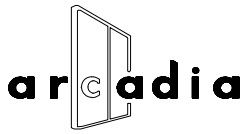
TH686 / TH684



MULLION SPACING IN FEET

TH687 / TH688

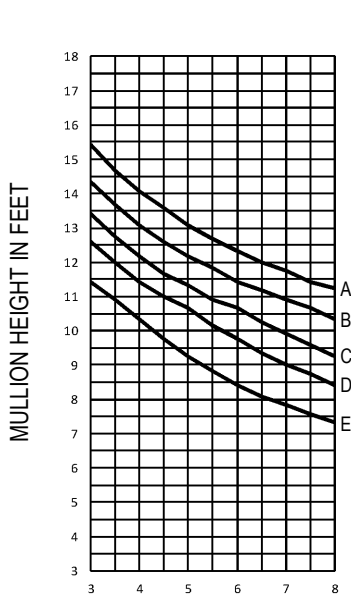
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



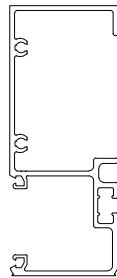
Windload Charts | TC670 Series

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 1/4" X 6" Offset Glazed For 1" Glass
 Function: Window Wall
 Detail: Design Criteria
 Scale: N.T.S.

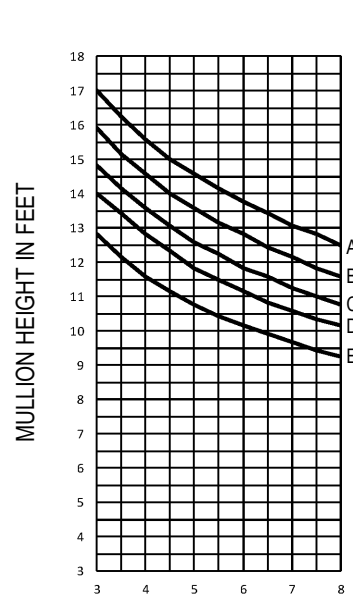


$I = 5.923 \text{ IN}^4$
 $S = 1.988 \text{ IN}^3$

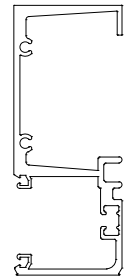


MULLION SPACING IN FEET

TH607



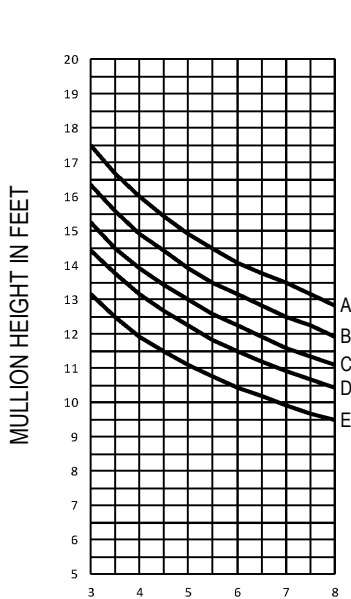
$I = 8.239 \text{ IN}^4$
 $S = 2.881 \text{ IN}^3$



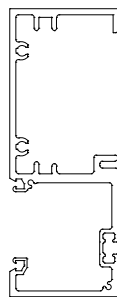
MULLION SPACING IN FEET

TH644SIM

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

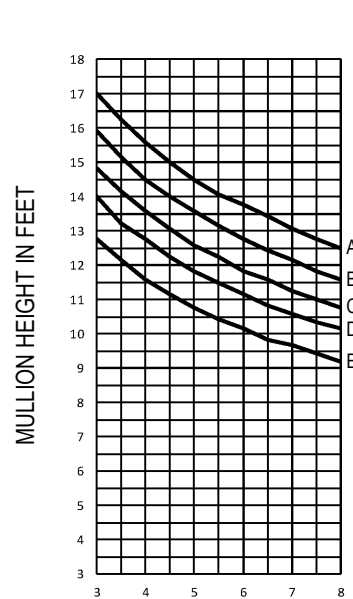


$I = 8.960 \text{ IN}^4$
 $S = 2.888 \text{ IN}^3$

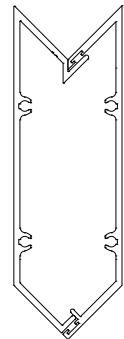


MULLION SPACING IN FEET

TH685



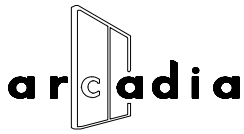
$I_x = 6.004 \text{ IN}^4$
 $I_y = 5.635 \text{ IN}^4$



MULLION SPACING IN FEET

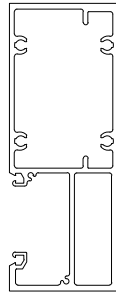
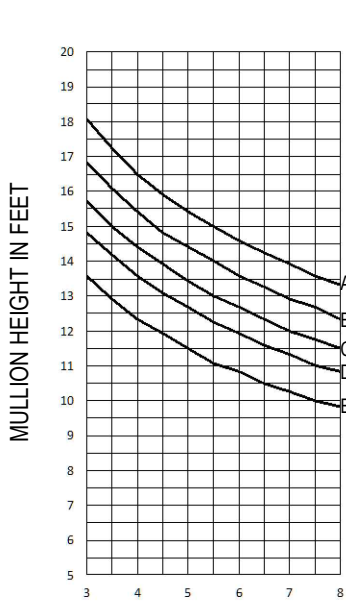
TH61COC1 / TH61COC2

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

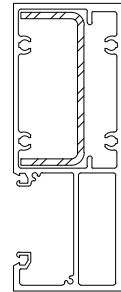
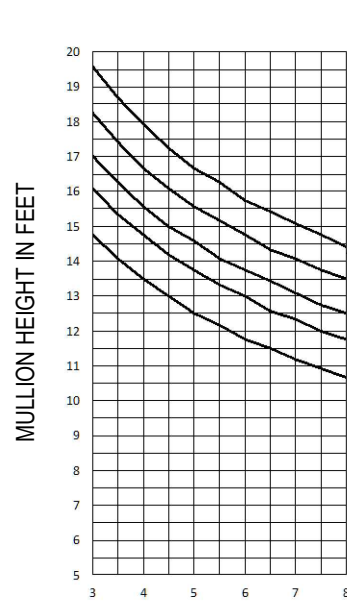


Windload Charts | TC670 Series

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: 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 5



TH633



TH633 WITH STEEL REINFORCEMENT
1 5/16" 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.

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



Deadload Charts | TC670 Series

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

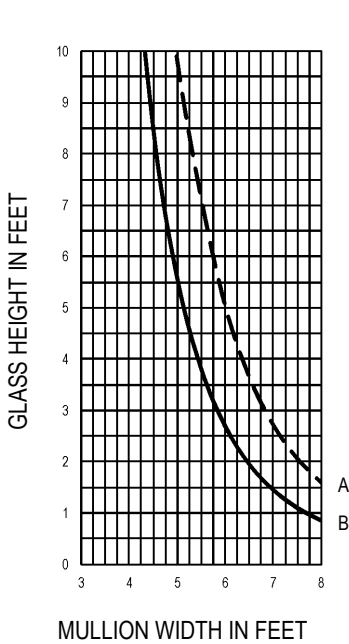
Function: Window Wall

Detail: Design Criteria

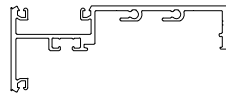
Scale: N.T.S.

Deadload Charts for 1" Glass (7.00 PSF)

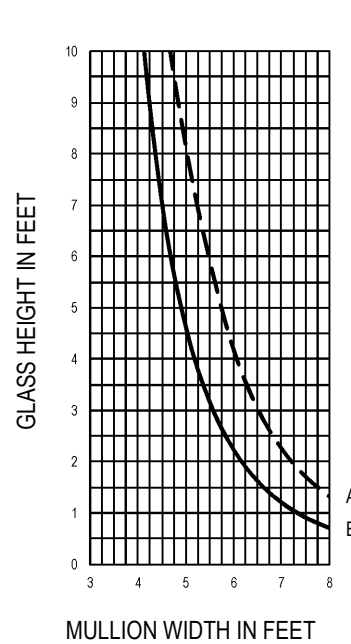
SHEET 1 OF 1



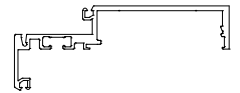
$I = 0.478 \text{ IN}^4$
 $S = 0.290 \text{ IN}^3$



TH675 1" GLASS

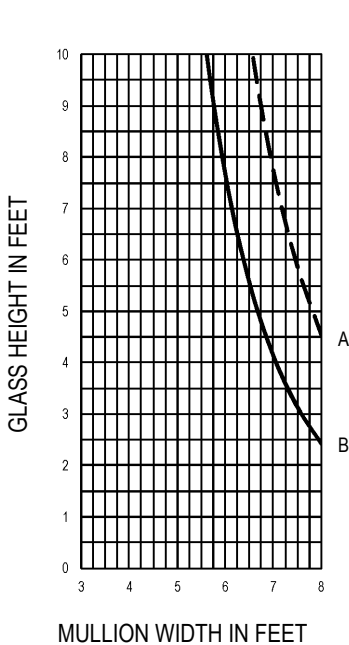


$I = 0.397 \text{ IN}^4$
 $S = 0.254 \text{ IN}^3$

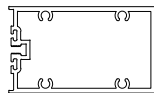


TH670 - 1" GLASS

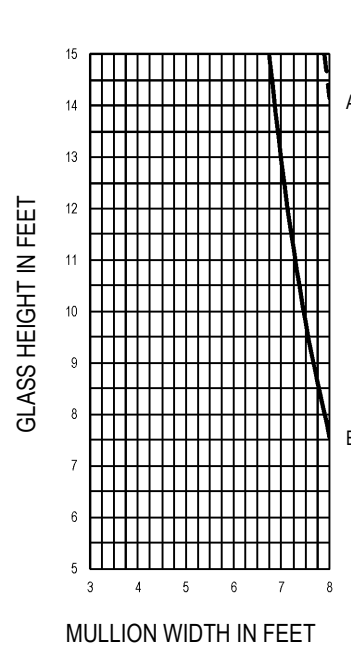
CURVE REPRESENTATION
 A (----) = 1/8" PTS.
 B (—) = 1/4" PTS.



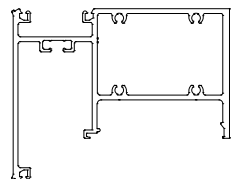
$I = 1.364 \text{ IN}^4$
 $S = 1.212 \text{ IN}^3$



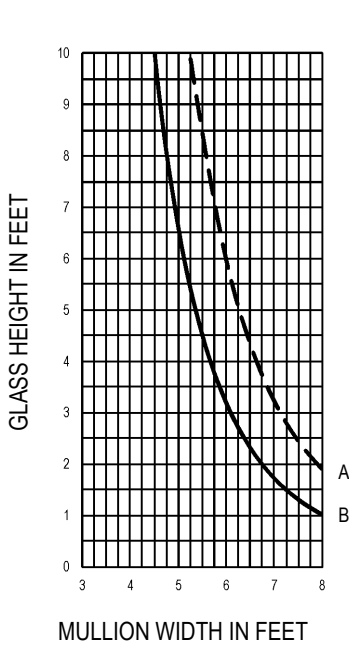
TH626 - 1" GLASS



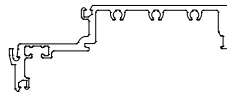
$I = 4.247 \text{ IN}^4$
 $S = 1.445 \text{ IN}^3$



TH60425 - 1" GLASS



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



TH682 1" GLASS

CURVE REPRESENTATION

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

B (—) = 1/4 PTS.