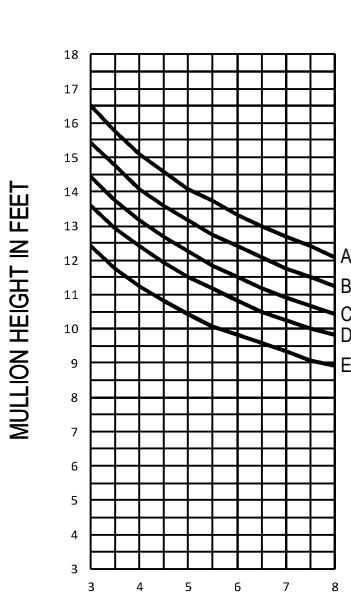


Windload Charts | TC255 Series

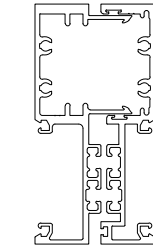
A = 16 P.S.F. (766 Pa)
 B = 20 P.S.F. (958 Pa)
 C = 25 P.S.F. (1197 Pa)
 D = 30 P.S.F. (1436 Pa)
 E = 40 P.S.F. (1915 Pa)

Description: 2 1/2" X 5" Offset Glazed For 1 1/2" Glass
 Function: Window Wall
 Detail: Design Criteria
 Scale: N.T.S.

SHEET 1 OF 2

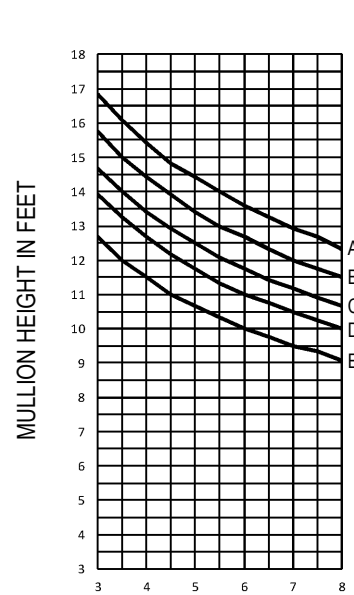


$I = 7.477 \text{ IN}^4$
 $S_1 = 1.420 \text{ IN}^3$ $S_2 = 1.408 \text{ IN}^3$

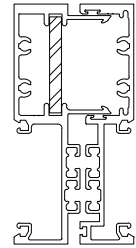


MULLION SPACING IN FEET

THD594 / THD593



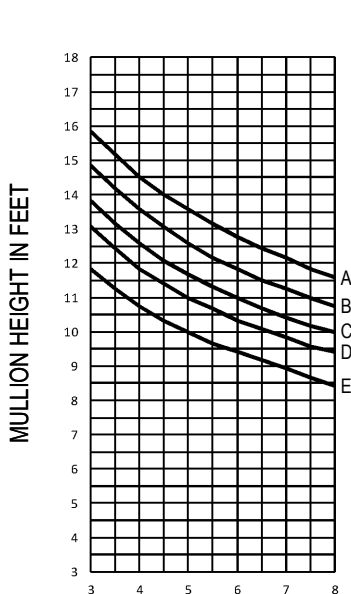
$I = 7.956 \text{ IN}^4$



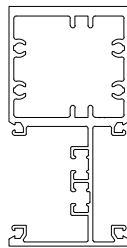
MULLION SPACING IN FEET

THD594 / THD593 WITH
 STEEL REINFORCEMENT
 1/4" X 2" 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.

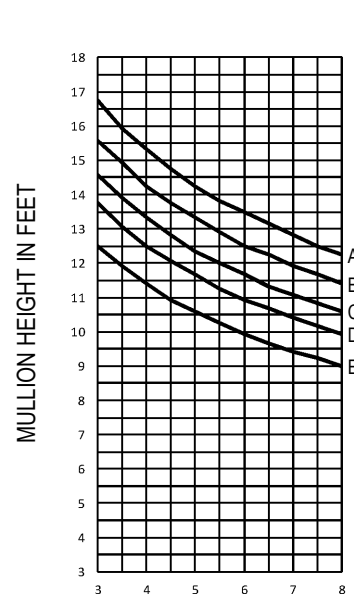


$I = 6.555 \text{ IN}^4$
 $S = 2.282 \text{ IN}^3$

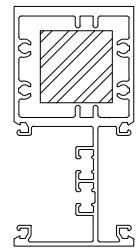


MULLION SPACING IN FEET

THD580



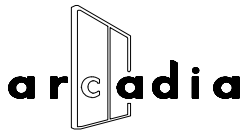
$I = 7.766 \text{ IN}^4$



MULLION SPACING IN FEET

THD580 WITH
 STEEL REINFORCEMENT
 1 1/2" X 1 1/2" BAR

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

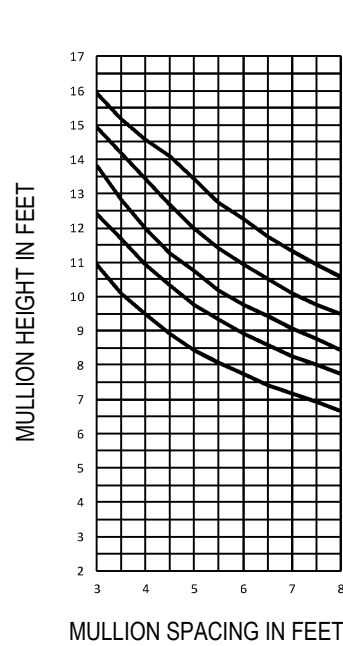
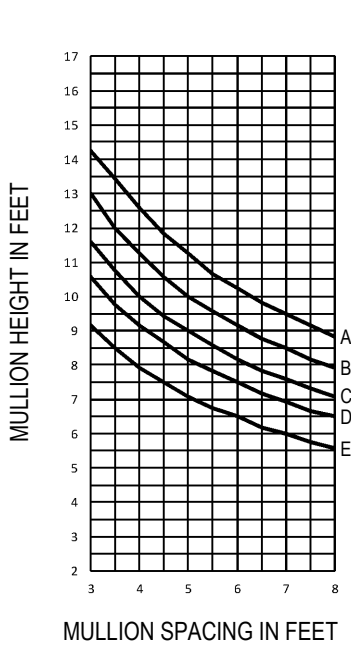


Windload Charts | TC255 Series

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 1/2" X 5" Offset Glazed For 1 1/2" Glass
 Function: Window Wall
 Detail: Design Criteria
 Scale: N.T.S.

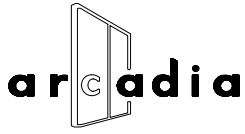
SHEET 2 OF 2



THD581 WITH STEEL REINFORCEMENT
 1 5/8" X 2 1/8" 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.

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



Deadload Charts | TC255 Series

Description: 2 1/2" X 5" Captured Glazed for 1 1/2" Glass

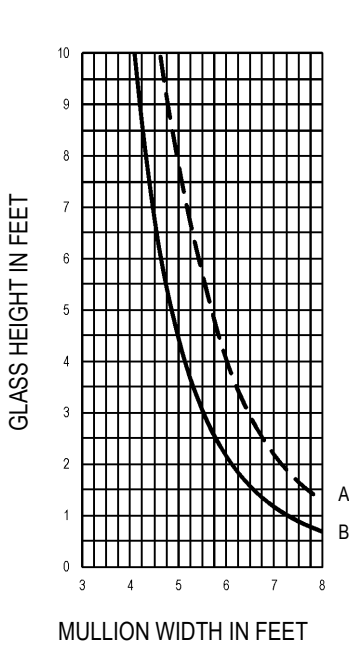
Function: Window Wall

Detail: Design Criteria

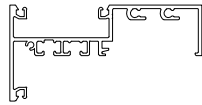
Scale: N.T.S.

Deadload Charts for 1 1/2" Glass (10.00 PSF)

SHEET 1 OF 1



$I = 0.547 \text{ IN}^4$
 $S = 0.317 \text{ IN}^3$



THD576 - 1/2" GLASS

CURVE REPRESENTATION

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

B (—) = 1/4 PTS.