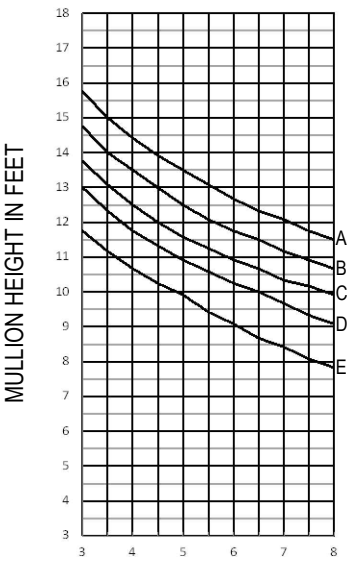
Windload Charts | AFG601T Series

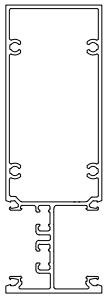
A = 16 P.S.F. (766 Pa)
B = 20 P.S.F. (958 Pa)
C = 25 P.S.F. (1197 Pa)
D = 30 P.S.F. (1436 Pa)
E = 40 P.S.F. (1915 Pa)

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

I = 6.424 IN^4
S = 1.996 IN^3

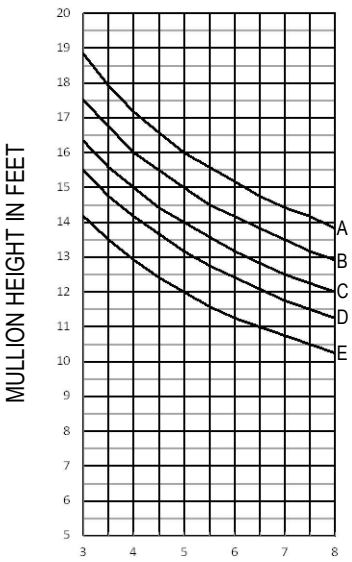


MULLION SPACING IN FEET

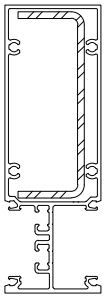


TBD651

I = 11.303 IN^4



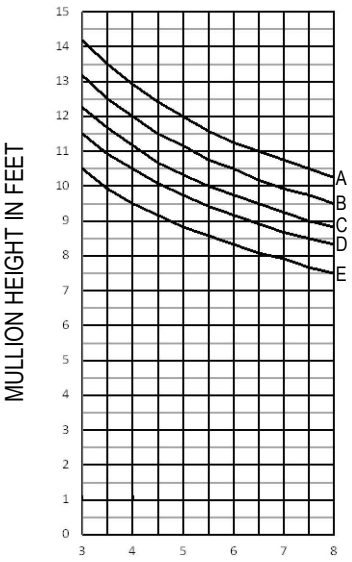
MULLION SPACING IN FEET



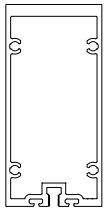
TBD651 WITH
STEEL REINFORCEMENT
1 3/8" X 3 7/8" X 10 GA.

- 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.

I = 4.527 IN^4
S = 2.042 IN^3

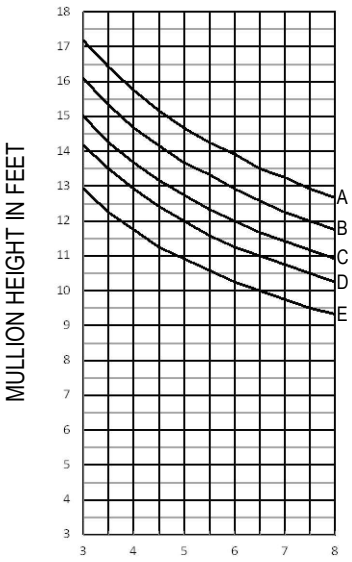


MULLION SPACING IN FEET

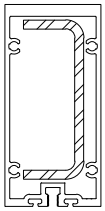


TB655

I = 8.488 IN^4



MULLION SPACING IN FEET



TB655 WITH
STEEL REINFORCEMENT
1 1/4" X 3 5/16" X 3/16"

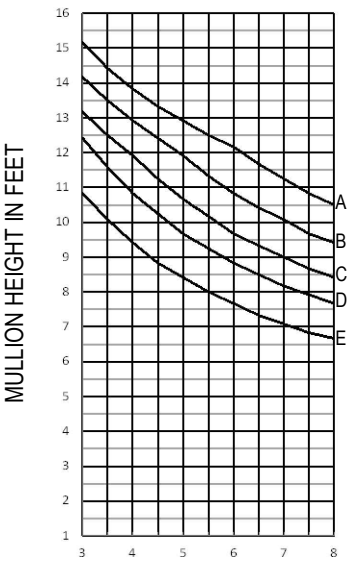
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.

Windload Charts | AFG601T Series

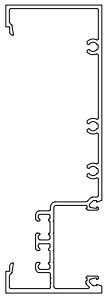
A = 16 P.S.F. (766 Pa)
B = 20 P.S.F. (958 Pa)
C = 25 P.S.F. (1197 Pa)
D = 30 P.S.F. (1436 Pa)
E = 40 P.S.F. (1915 Pa)

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

I = 5.626 IN^4
S = 1.674 IN^3

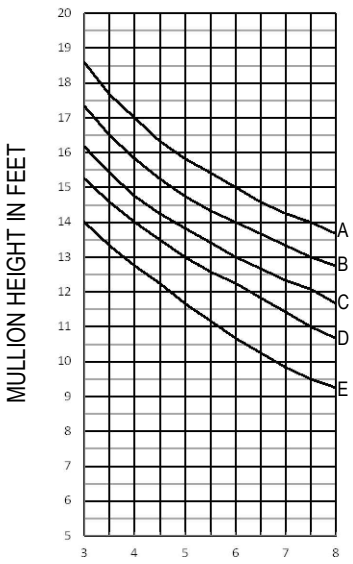


MULLION SPACING IN FEET

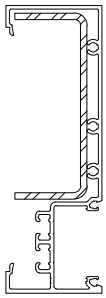


TBD665

I = 10.849 IN^4



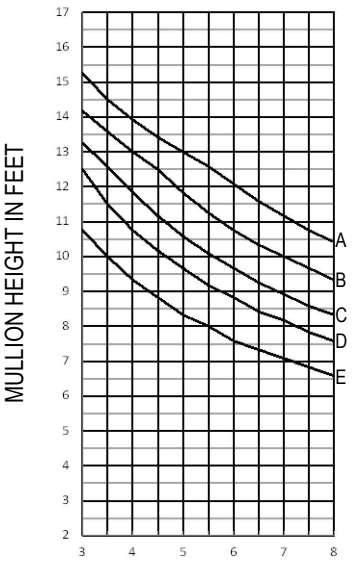
MULLION SPACING IN FEET



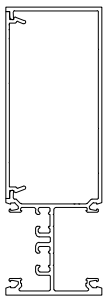
TBD665 WITH
STEEL REINFORCEMENT
1 1/2" X 3 7/8" X 10 GA.

- 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.

I = 5.714 IN^4
S_1= 1.433 IN^3 S_2= 0.273 IN^3

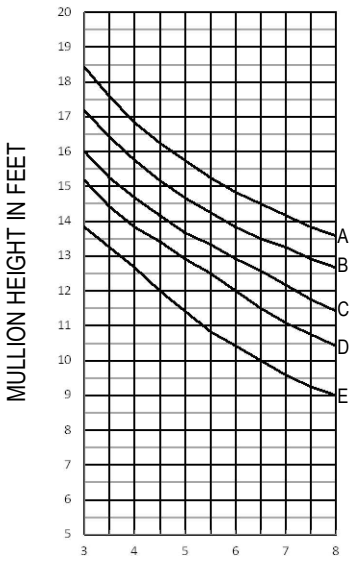


MULLION SPACING IN FEET

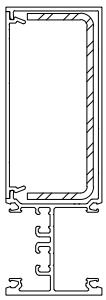


TBD657 / TB605

I = 10.593 IN^4



MULLION SPACING IN FEET



TBD657 / TB605 WITH
STEEL REINFORCEMENT
1 3/8" X 3 7/8" X 10 GA.

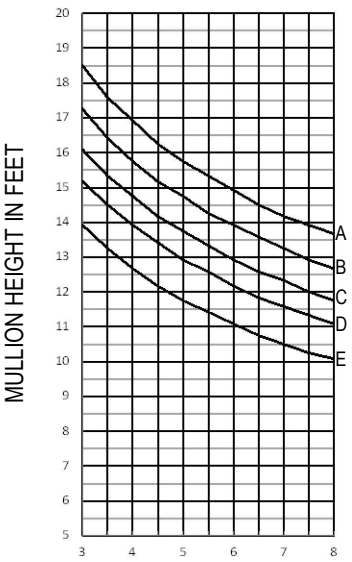
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.

Windload Charts | AFG601T Series

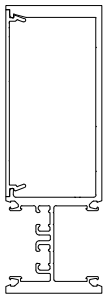
A = 16 P.S.F. (766 Pa)
B = 20 P.S.F. (958 Pa)
C = 25 P.S.F. (1197 Pa)
D = 30 P.S.F. (1436 Pa)
E = 40 P.S.F. (1915 Pa)

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

I = 10.686 IN^4
S = 3.146 IN^3 S_2= 0.273 IN^3

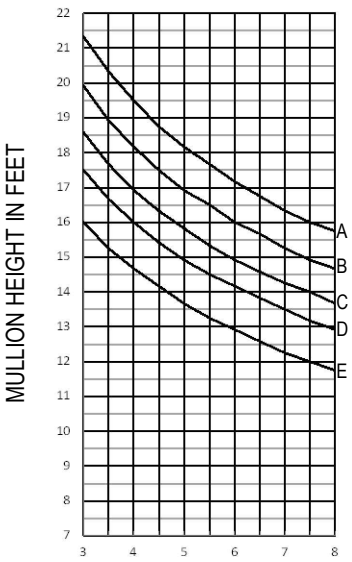


MULLION SPACING IN FEET

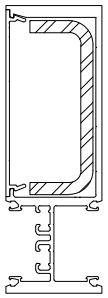


TBD658 / TB605

I = 16.914 IN^4



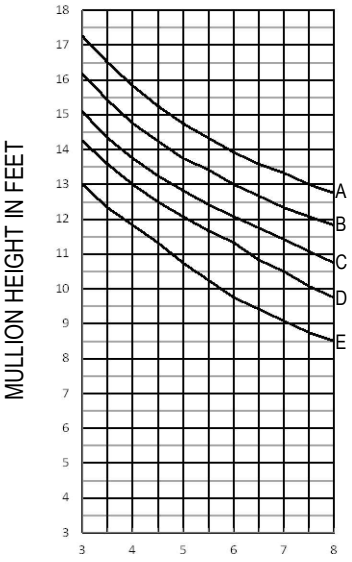
MULLION SPACING IN FEET



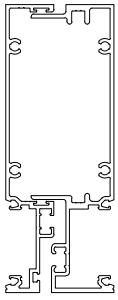
TBD658 / TB605 WITH STEEL REINFORCEMENT 1 5/16" X 3 5/8" X 1/4"

- 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.

I = 8.640 IN^4
S_1= 1.083 IN^3 S_2= 1.644 IN^3

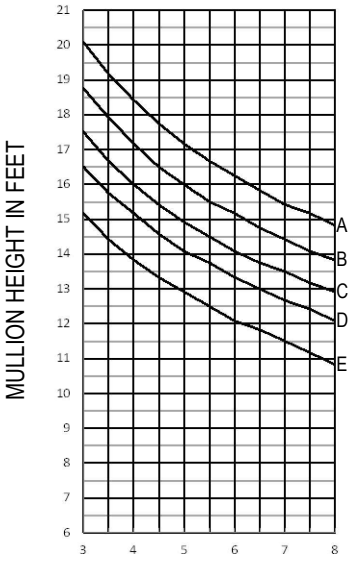


MULLION SPACING IN FEET

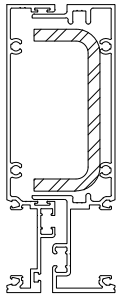


TBD652 / TB653

I = 14.036 IN^4



MULLION SPACING IN FEET



TBD652 / TB653 WITH STEEL REINFORCEMENT 1 3/8" X 3 3/8" X 1/4"

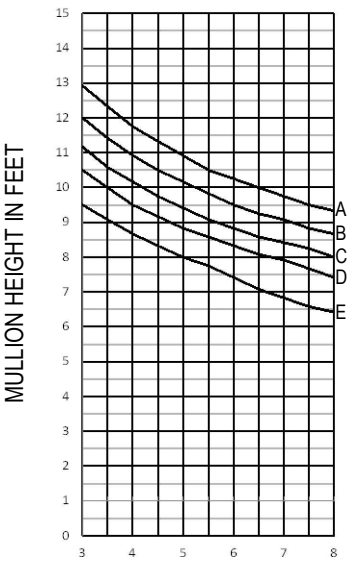
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.

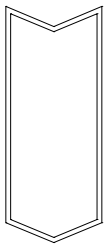
Windload Charts | AFG601T Series

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

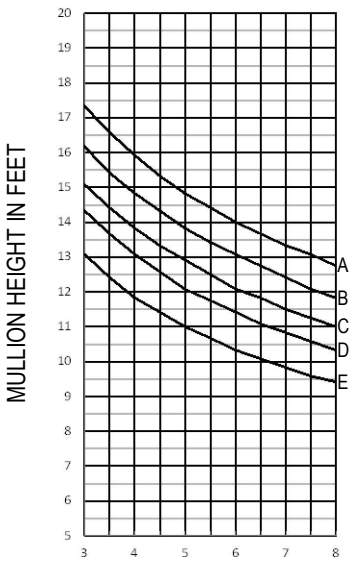
I = 3.426 IN^4
S = 1.326 IN^3

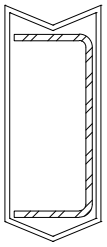




ICOC735

I = 8.764 IN^4

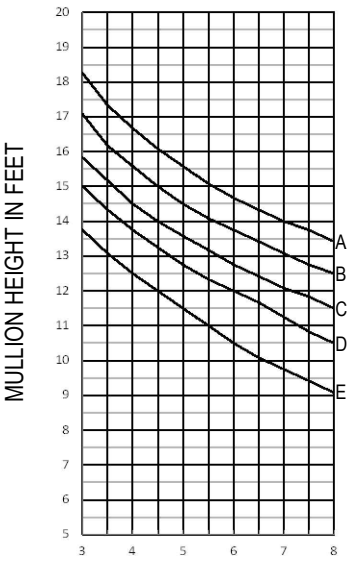


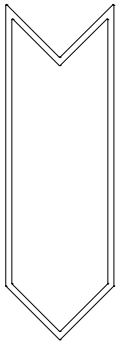


ICOC735 WITH STEEL REINFORCEMENT 1 5/8" X 3 13/16" X 10 GA.

- 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.

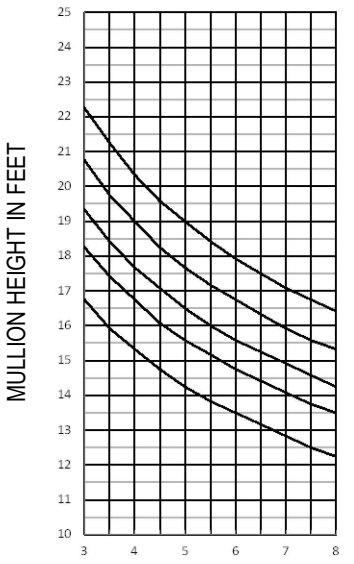
I = 10.229 IN^4
S = 2.678 IN^3

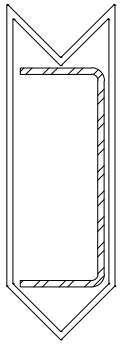




ICOC755

I = 18.925 IN^4





ICOC755 WITH STEEL REINFORCEMENT 1 3/4" X 4 9/16" X 10 GA.

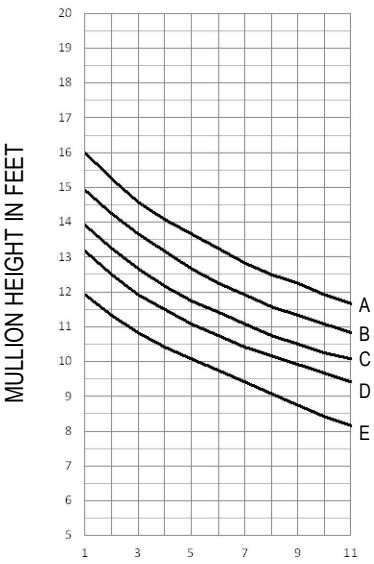
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.

Windload Charts | AFG601T Series

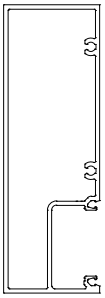
A = 16 P.S.F. (766 Pa)
B = 20 P.S.F. (958 Pa)
C = 25 P.S.F. (1197 Pa)
D = 30 P.S.F. (1436 Pa)
E = 40 P.S.F. (1915 Pa)

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

I = 6.703 IN ^{4}
S = 2.161 IN ^{3}

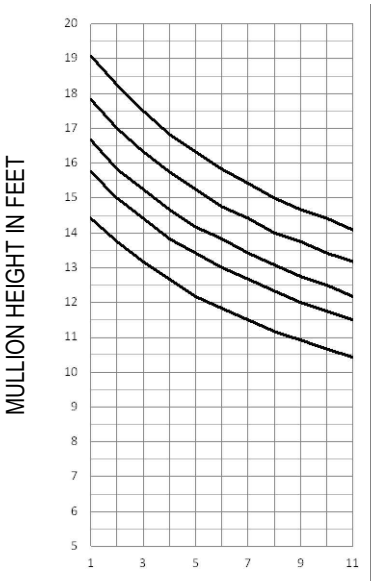


MULLION SPACING IN FEET

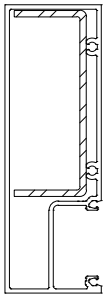


TB666

I = 11.926 IN^4



MULLION SPACING IN FEET



TB666 WITH
STEEL REINFORCEMENT
1 1/2" X 3 7/8" X 10 GA.

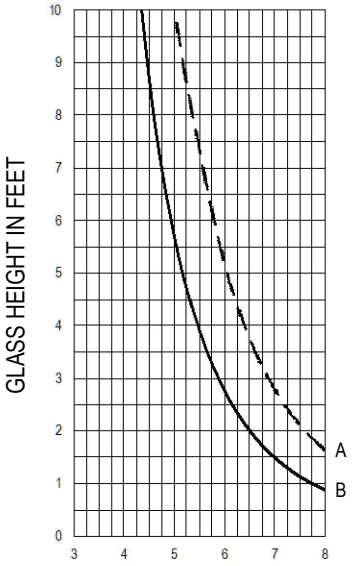
- Mullions are assumed to be single span, simple beam elements, uniformly loaded and adequately braced to prevent lateral-torsional buckling. All other complex design conditions shall be reviewed by Arcadia or a design professional.
- Aluminum extrusions shall be 6063-T6 alloy. Allowable stresses to 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.

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

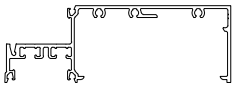
Deadload Charts | AFG601T Series

Description: 2" X 6" Offset Glazed For 1" Glass
Function: Window Wall
Detail: Design Criteria
Deadload Charts for 1" Glass (7.00 PSF) | Scale: N.T.S.

I = 0.489 IN^4
S = 0.393 IN^3

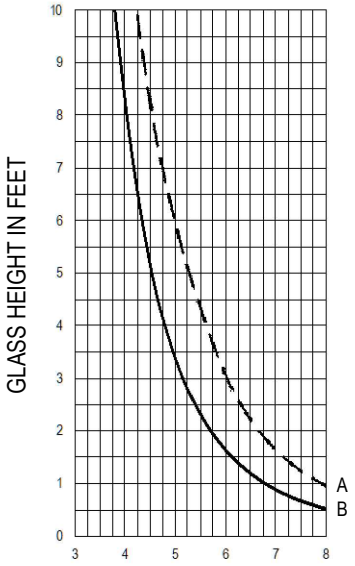


MULLION WIDTH IN FEET

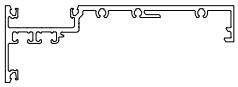


TBD628PD - 1" GLASS

I = 0.290 IN^4
S = 0.187 IN^3



MULLION WIDTH IN FEET



TBD636PD - 1" GLASS

CURVE REPRESENTATION

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

B (▬) = 1/4 PTS.