

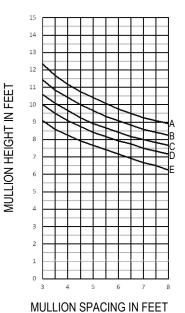
A = 16 P.S.F. (766 Pa) B = 20 P.S.F. (958 Pa) C = 25 P.S.F. (1197 Pa)

Function: Storefront D = 30 P.S.F. (1436 Pa)

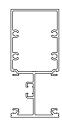
Detail: Design Criteria

E = 40 P.S.F. (1915 Pa) Scale: N.T.S.

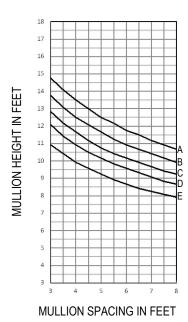
SHEET 1 OF 4



I = 2.951 IN 4 $S = 1.275 IN^3$

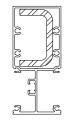


TB251



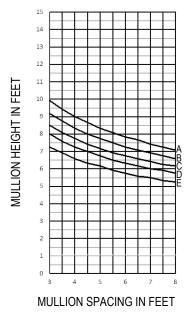
I = 5.161 IN 4

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



TB251 WITH STEEL REINFORCEMENT 1 3/8" X 2 3/8" X 1/4"

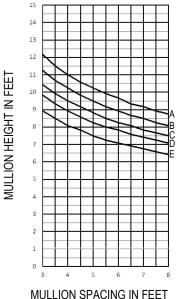
- Mullions are assumed to be single span, simple beam elements, uniformly loaded and adequately braced to prevent lateral-torsional buckling. All other complex design conditions shall be reviewed by Arcadia or a design professional.
- Aluminum extrusions shall be 6063-T6 alloy. Allowable stresses to 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
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- 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
- 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 = 1.526 IN 4 $S = 1.055 IN^3$



TB555



I = 2.818 IN 4

TB555 WITH STEEL REINFORCEMENT 1 1/4" X 2" X 1/4"

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



A = 16 P.S.F. (766 Pa) B = 20 P.S.F. (958 Pa) C = 25 P.S.F. (1197 Pa)

Function: Storefront D = 30 P.S.F. (1436 Pa)

Detail: Design Criteria

E = 40 P.S.F. (1915 Pa) Scale: N.T.S.

SHEET 2 OF 4

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

I = 5.061 IN 4

15

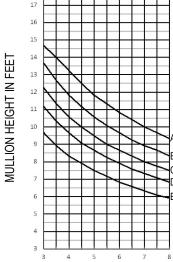
11

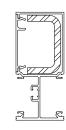
MULLION HEIGHT IN FEET





18





MULLION SPACING IN FEET

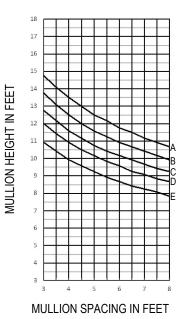
TB557 / TB205

MULLION SPACING IN FEET

TB557 / TB205 WITH STEEL REINFORCEMENT 1 3/8" X 2 7/16" X 1/4"

I = 6.458 IN 4

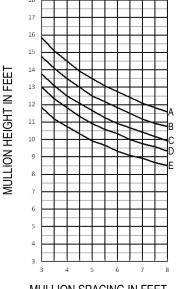
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I = 5.138 IN 4 $S_1 = 2.181 \text{ IN}^3$ S₂= 0.118 IN³



TB558 / TB205



MULLION SPACING IN FEET



TB558 / TB205 WITH STEEL REINFORCEMENT 1 3/8" X 2 1/4" X 10 GA.

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



B = 20 P.S.F. (958 Pa)

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

Function: Storefront Detail: Design Criteria

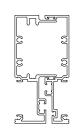
SHEET 3 OF 4

I = 5.709 IN 4

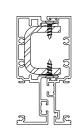
A = 16 P.S.F. (766 Pa) C = 25 P.S.F. (1197 Pa)

D = 30 P.S.F. (1436 Pa) E = 40 P.S.F. (1915 Pa) Scale: N.T.S.

I = 4.130 IN 4 15 $S_1 = 1.086 \text{ IN}^3$ S₂= 0.701 IN³ 11



17 IN FEET 11 MULLION HEIGHT 10



MULLION SPACING IN FEET

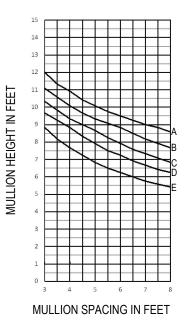
MULLION HEIGHT IN FEET

TB238 / TB237

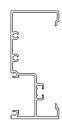
MULLION SPACING IN FEET

TB238 / TB237 WITH STEEL REINFORCEMENT 1 1/2" X 2" X 1/4"

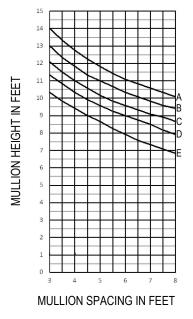
- Mullions are assumed to be single span, simple beam elements, uniformly loaded and adequately braced to prevent lateral-torsional buckling. All other complex design conditions shall be reviewed by Arcadia or a design professional.
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I = 2.706 IN 4 $S = 1.112 IN^3$



TB265



I = 4.342 IN 4

TB265 WITH STEEL REINFORCEMENT 1 1/2" X 2 3/8" X 10 GA.

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



A = 16 P.S.F. (766 Pa) B = 20 P.S.F. (958 Pa)

Function: Storefront

Detail: Design Criteria

E = 40 P.S.F. (1915 Pa) Scale: N.T.S.

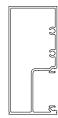
SHEET 4 OF 4

C = 25 P.S.F. (1197 Pa) D = 30 P.S.F. (1436 Pa)

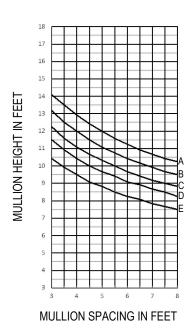
15 $S = 1.215 IN^3$ 11 MULLION SPACING IN FEET

MULLION HEIGHT IN FEET

I = 2.857 IN 4

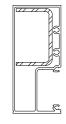


TB266



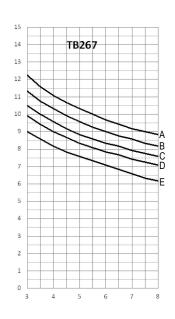
I = 4.493 IN 4

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

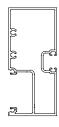


TB266 WITH STEEL REINFORCEMENT 1 1/2" X 2 3/8" X 10 GA.

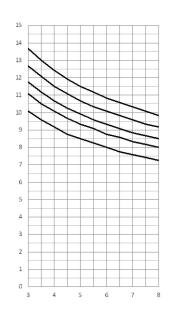
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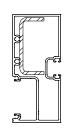
I = 2.877 IN 4 $S = 1.228 \text{ IN}^3$



TB267



I = 4.025 IN 4



TB267 WITH STEEL REINFORCEMENT 1" X 2 3/8" X 10 GA.

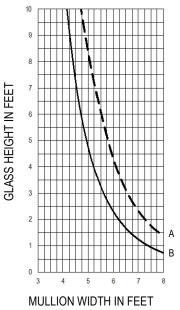


Description: 2" X 4 1/2" Offset Glazed For 1" Glass

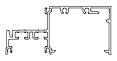
Function: Storefront Detail: Design Criteria

Deadload Charts for 1" Glass (7.00 PSF) Scale: N.T.S.

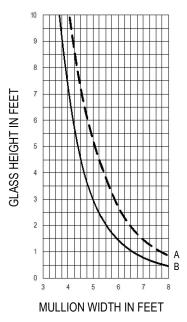
SHEET 1 OF 1



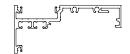
 $I = 0.408 IN^4$ $S = 0.357 IN^3$



TBD428 - 1" GLASS



 $I = 0.255 IN^4$ $S = 0.173 \text{ IN}^3$

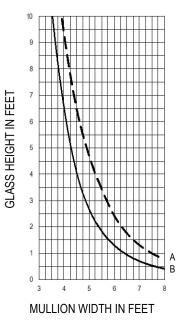


TBD436 - 1" GLASS

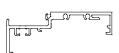
CURVE REPRESENTATION

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

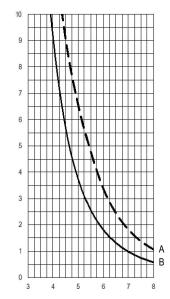
B (——) = 1/4 PTS.



I = 0.229 IN⁴ $S = 0.161 \text{ IN}^3$



TB436 - 1" GLASS



 $I = 0.320 \text{ IN}^4$ $S = 0.233 \text{ IN}^3$



TB427 - 1" GLASS