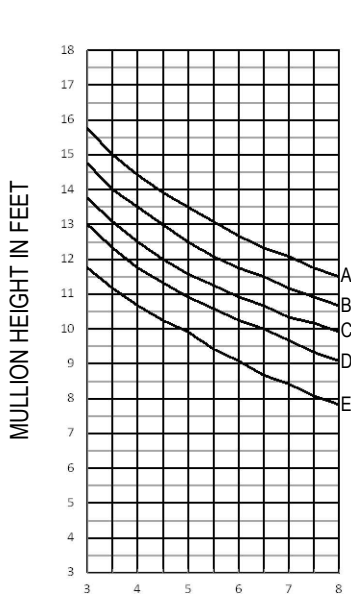


Windload Charts | AFG601T Series

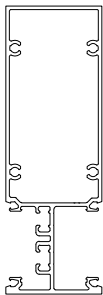
A = 16 P.S.F. (766 Pa) Description: 2" X 6" Offset Glazed For 1" Glass
 B = 20 P.S.F. (958 Pa) Function: Window Wall
 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria
 D = 30 P.S.F. (1436 Pa) Scale: N.T.S.
 E = 40 P.S.F. (1915 Pa)

SHEET 1 OF 4

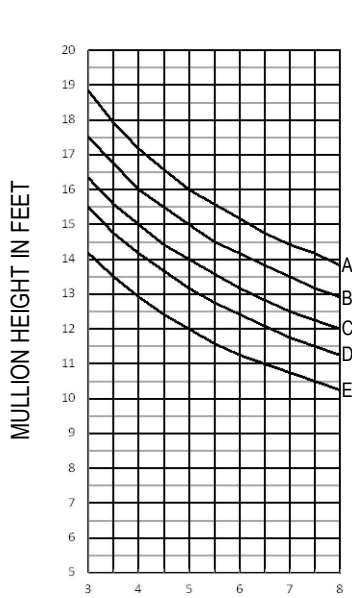


$$I = 6.424 \text{ IN}^4$$

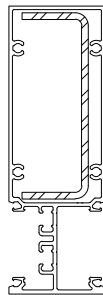
$$S = 1.996 \text{ IN}^3$$



TBD651

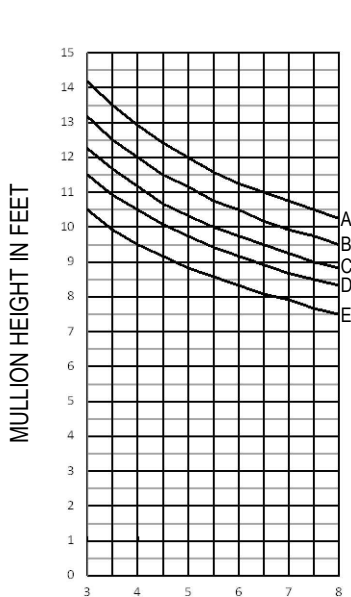


$$I = 11.303 \text{ IN}^4$$



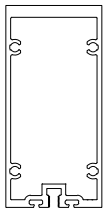
TBD651 WITH
STEEL REINFORCEMENT
1 3/8" X 3 7/8" X 10 GA.

- 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.

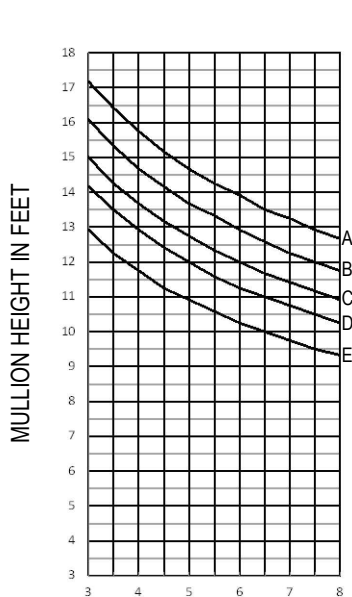


$$I = 4.527 \text{ IN}^4$$

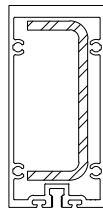
$$S = 2.042 \text{ IN}^3$$



TB655

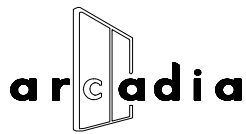


$$I = 8.488 \text{ IN}^4$$



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

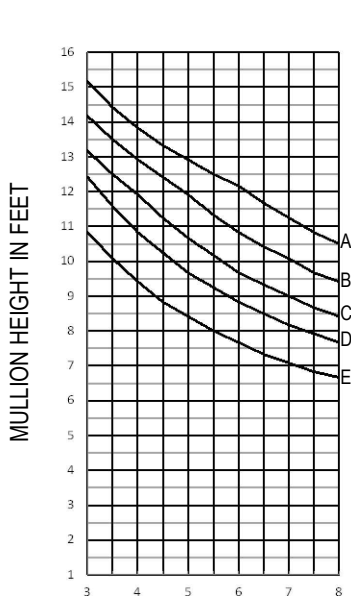
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



Windload Charts | AFG601T Series

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 E = 40 P.S.F. (1915 Pa)

SHEET 2 OF 4

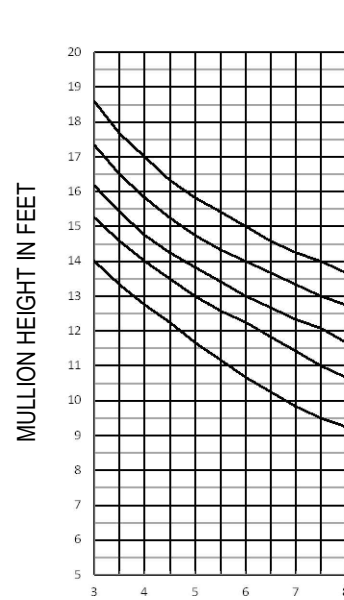


$$I = 5.626 \text{ IN}^4$$

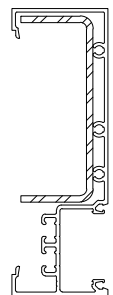
$$S = 1.674 \text{ IN}^3$$



TBD665

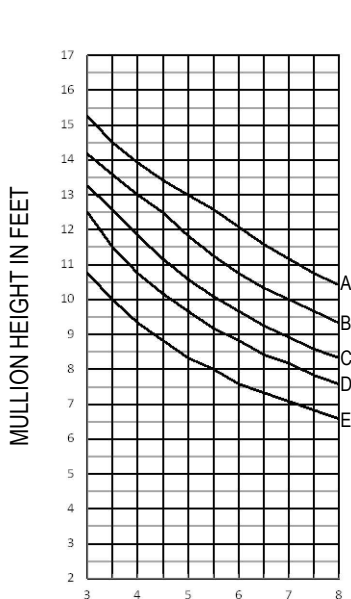


$$I = 10.849 \text{ IN}^4$$



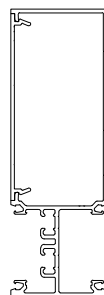
TBD665 WITH
STEEL REINFORCEMENT
1 1/2" X 3 7/8" X 10 GA.

- 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.
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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 codes.
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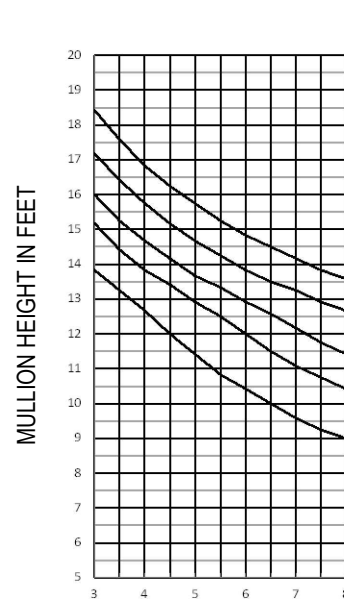


$$I = 5.714 \text{ IN}^4$$

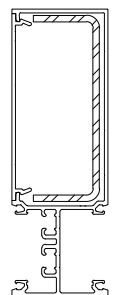
$$S_1 = 1.433 \text{ IN}^3 \quad S_2 = 0.273 \text{ IN}^3$$



TBD657 / TB605

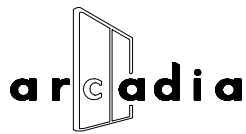


$$I = 10.593 \text{ IN}^4$$



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

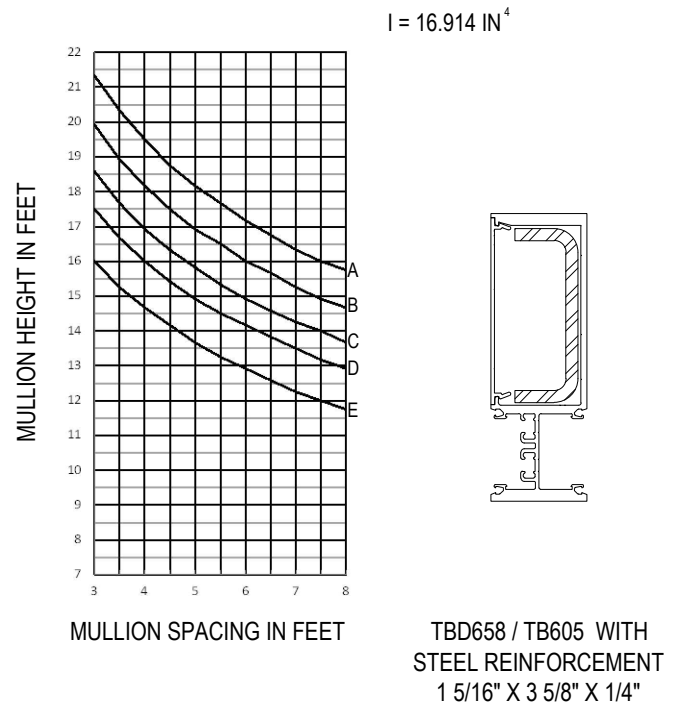
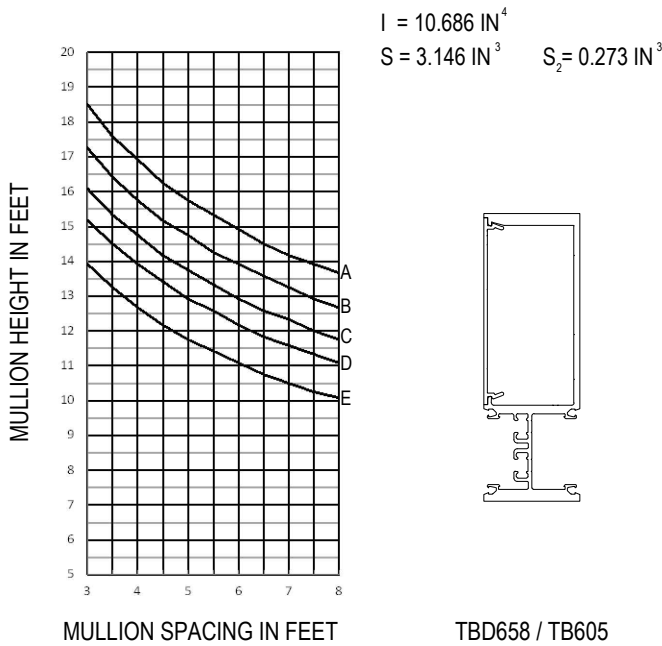
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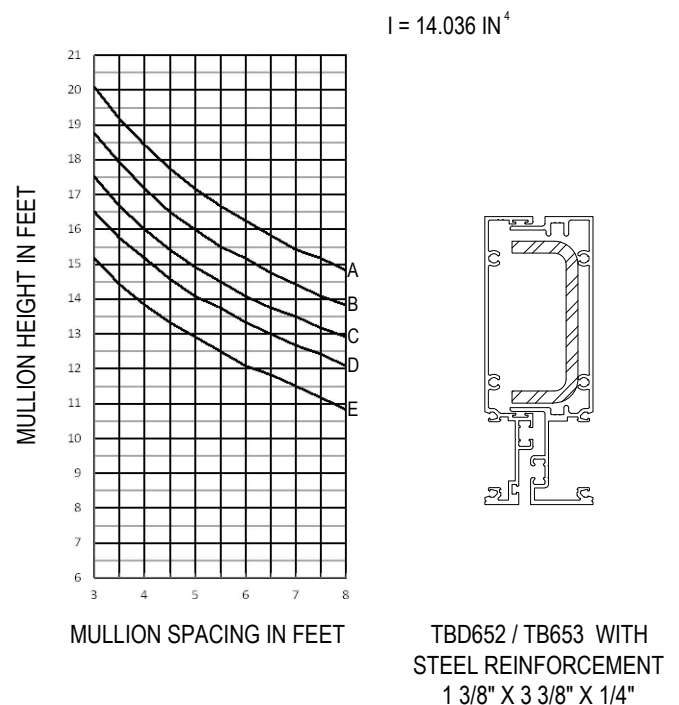
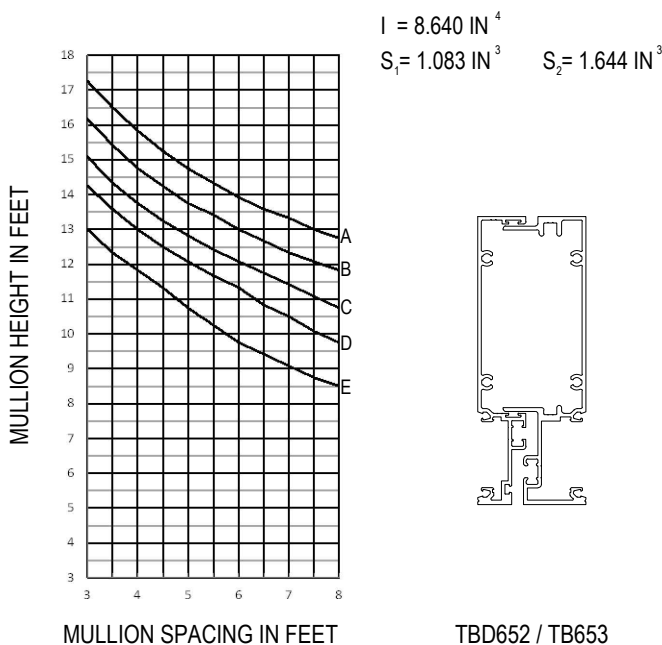
Windload Charts | AFG601T Series

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 C = 25 P.S.F. (1197 Pa) Detail: Design Criteria
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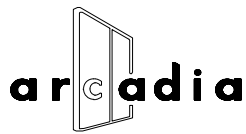
SHEET 3 OF 4



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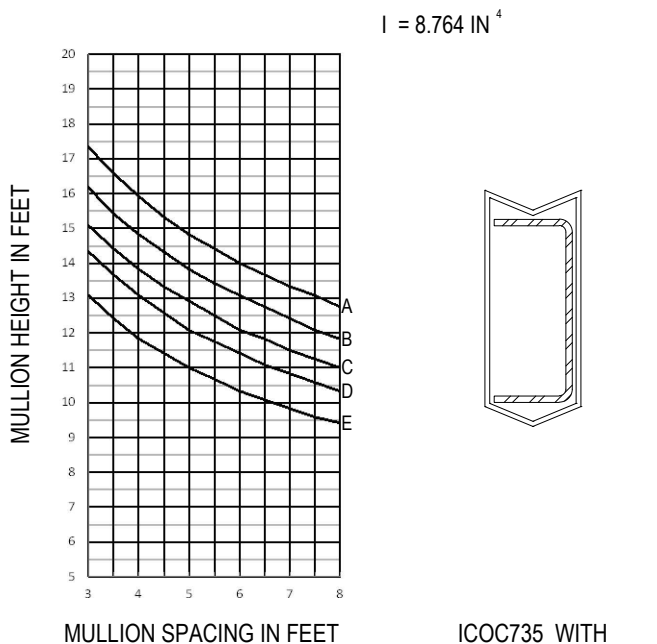
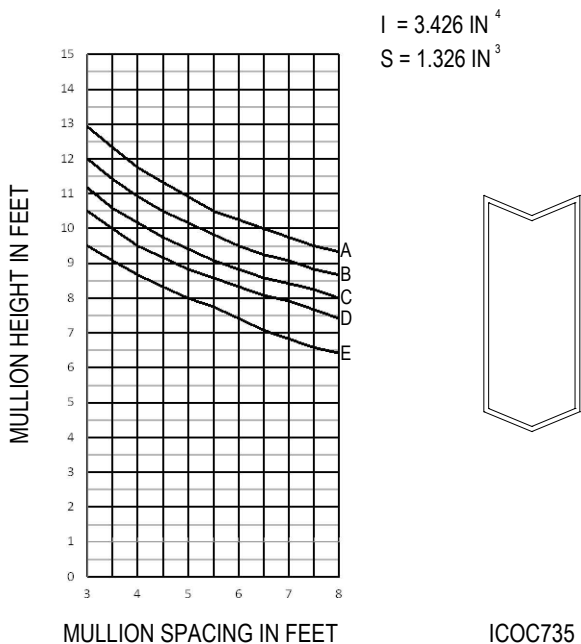
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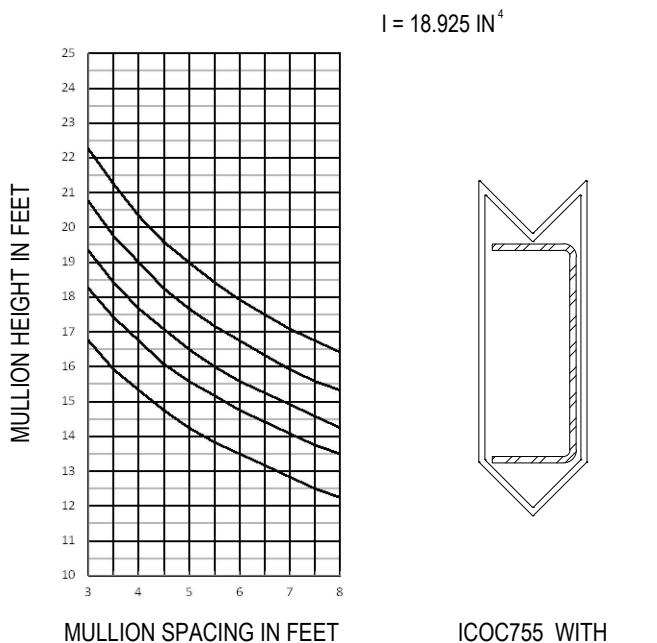
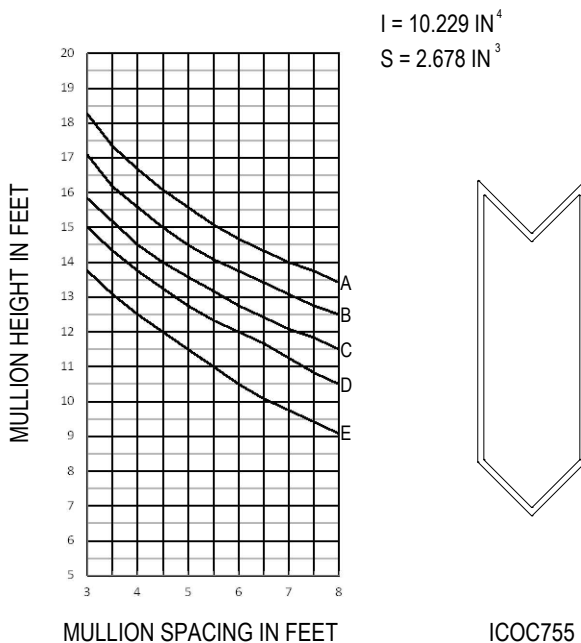
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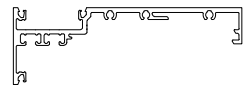
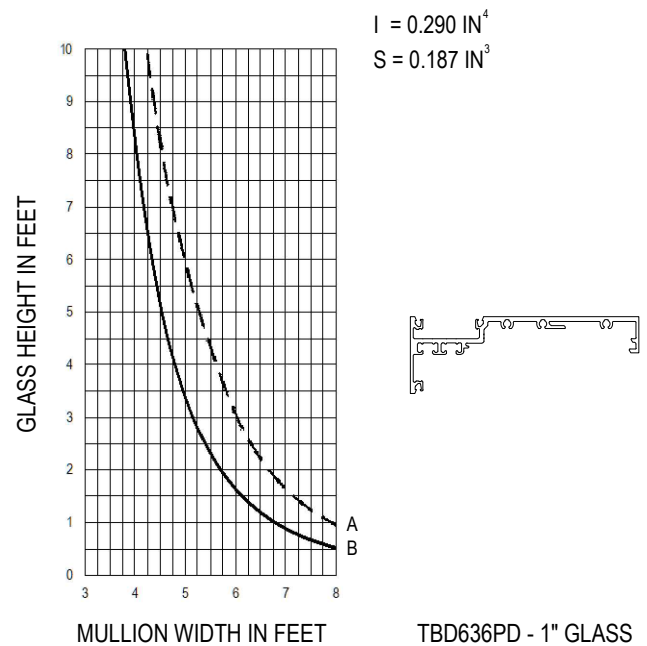
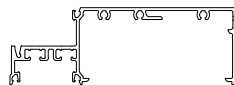
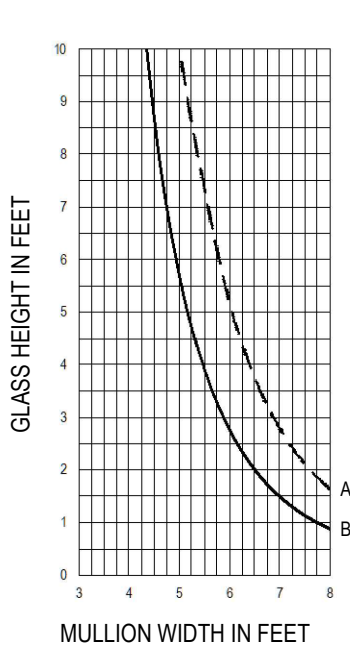
SHEET 4 OF 4



- 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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CURVE REPRESENTATION

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

B (—) = 1/4 PTS.