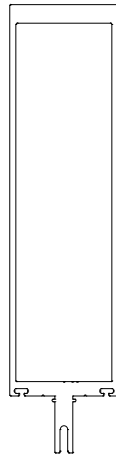
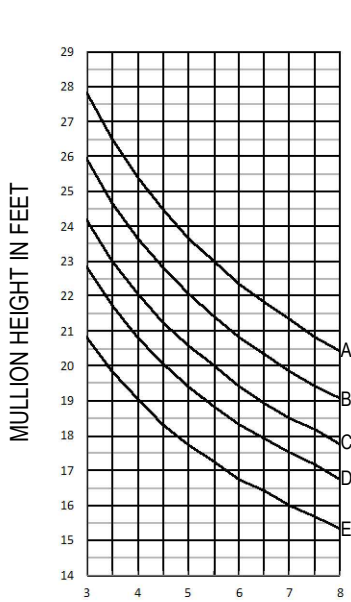


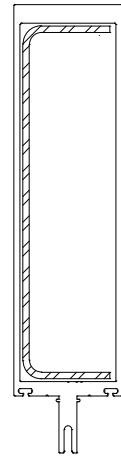
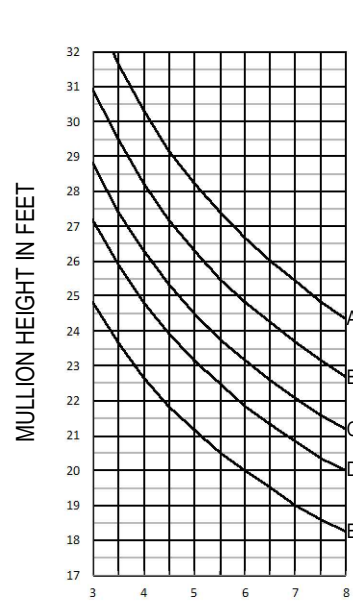
Windload Charts | T500 (OPG3000) Series

A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 10" With 1/4" - 1 1/8" Glass
 B = 20 P.S.F. (958 Pa) Function: Curtain 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

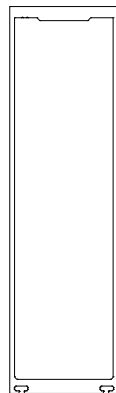
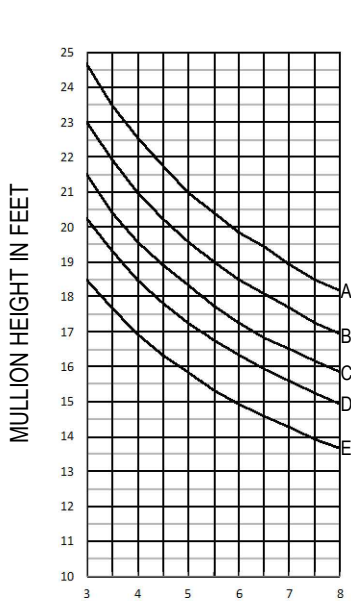


OPG3011

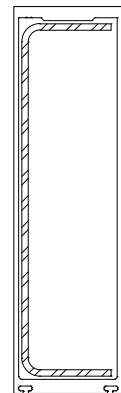
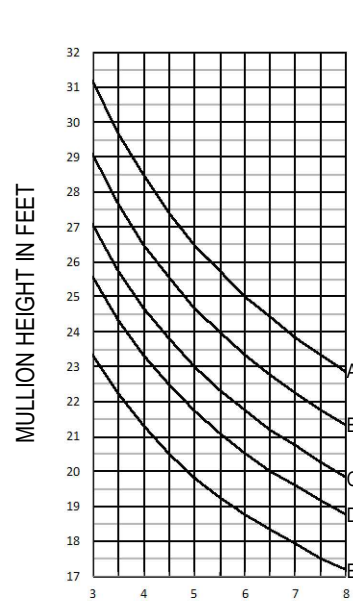


OPG3011 WITH STEEL REINFORCEMENT
1 7/8" X 7 5/16" X 10 GA.

- 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.

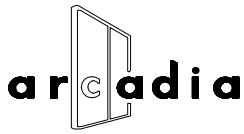


OPG3022



OPG3022 WITH STEEL REINFORCEMENT
1 7/8" X 7 5/16" X 10 GA.

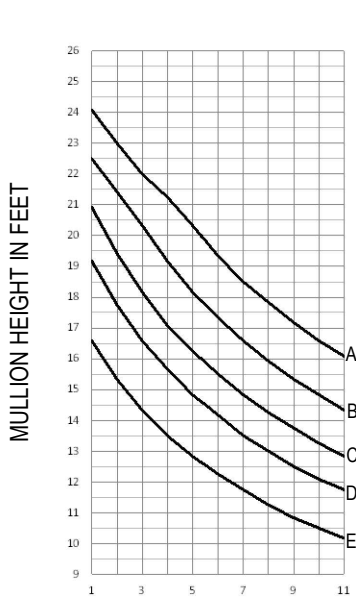
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



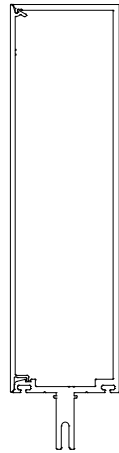
Windload Charts | T500 (OPG3000) Series

A = 16 P.S.F. (766 Pa) Description: 2 1/4" X 10" With 1/4" - 1 1/8" Glass
 B = 20 P.S.F. (958 Pa) Function: Curtain 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)

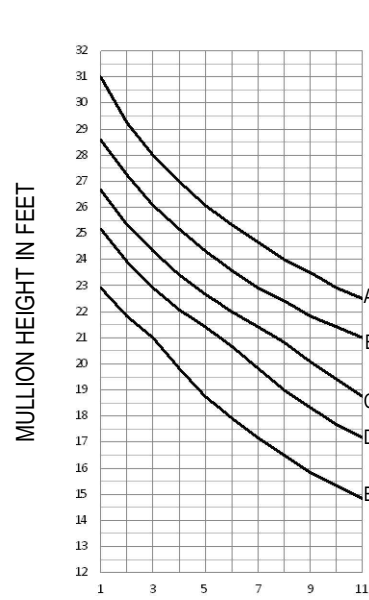
SHEET 2 OF 4



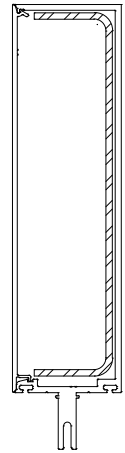
$I = 24.977 \text{ IN}^4$
 $S_1 = 4.063 \text{ IN}^3$ $S_2 = 1.17 \text{ IN}^3$



OPG-3078 / OPG-3001



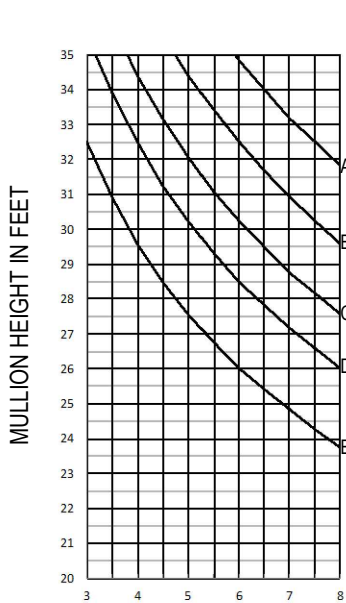
$I = 53.419 \text{ IN}^4$



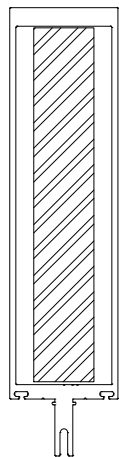
MULLION SPACING IN FEET

OPG-3078 / OPG-3001 WITH STEEL REINFORCEMENT
1 5/8" X 7 9/16" 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.
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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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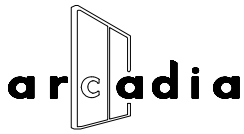
$I = 159.20 \text{ IN}^4$



OPG3011 WITH STEEL REINFORCEMENT
1 1/4" X 7 3/8" BAR

MULLION SPACING IN FEET

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

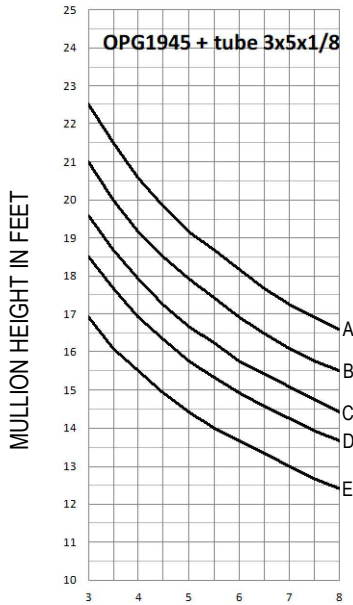


Windload Charts | T500 (OPG3000) Series

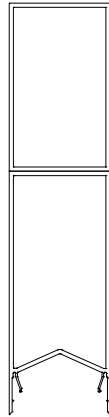
A = 16 P.S.F. (766 Pa)
 B = 20 P.S.F. (958 Pa)
 C = 25 P.S.F. (1197 Pa)
 D = 30 P.S.F. (1436 Pa)
 E = 40 P.S.F. (1915 Pa)

Description: 2 1/4" X 10" With 1/4" - 1 1/8" Glass
 Function: Curtain Wall
 Detail: Design Criteria
 Scale: N.T.S.

SHEET 3 OF 4

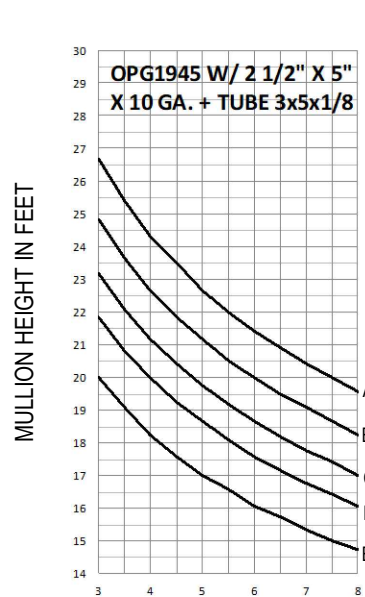


$I = 20.121 \text{ IN}^4$
 $S_1 = 3.416 \text{ IN}^3$ $S_2 = 2.676 \text{ IN}^3$

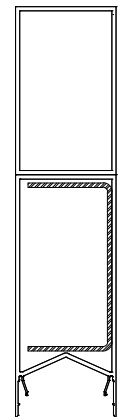


MULLION SPACING IN FEET

OPG-1945 / TUBE 3x5x1/8



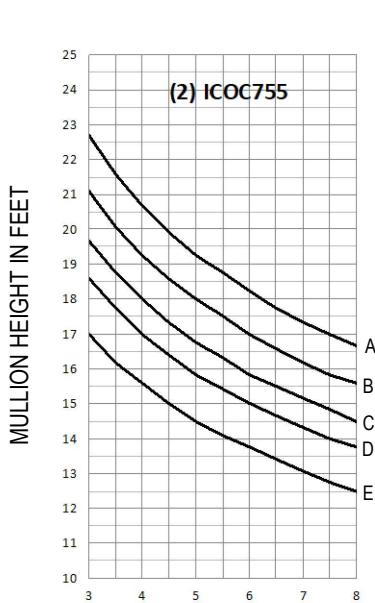
$I = 34.356 \text{ IN}^4$



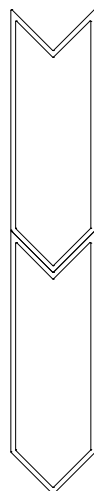
MULLION SPACING IN FEET

OPG-1945 / TUBE 3x5x1/8
 W/ STEEL REINFORCEMENT
 2 1/2" X 5" 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.
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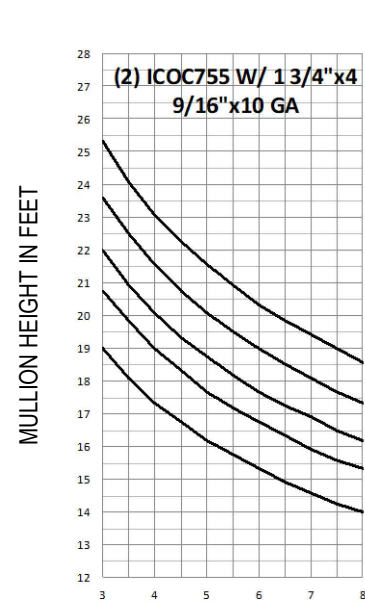


$I = 20.458 \text{ IN}^4$

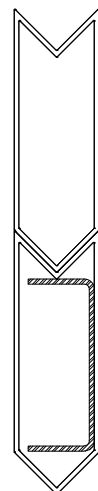


MULLION SPACING IN FEET

(2) ICOC755



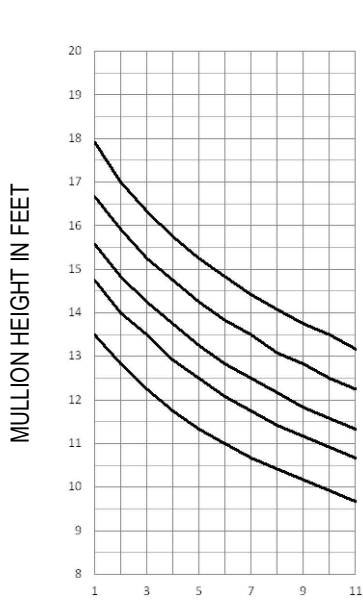
$I = 29.154 \text{ IN}^4$



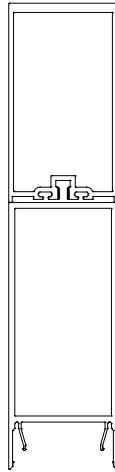
MULLION SPACING IN FEET

(2) ICOC755
 W/ STEEL REINFORCEMENT
 1 3/4" x 4 9/16" x 10 GA

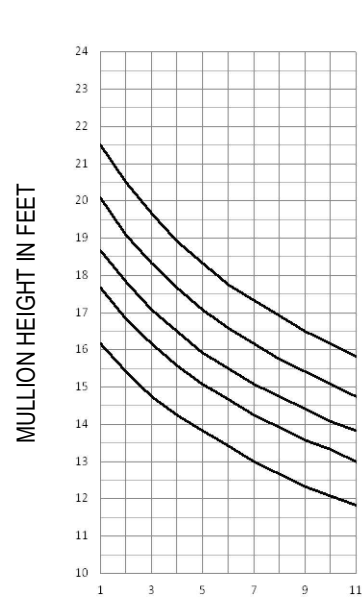
Consult Your Local Arcadia Representative For Special Applications Not Covered By These Curves.



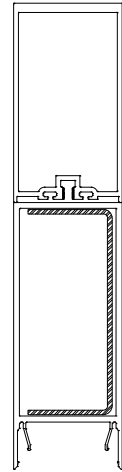
$I = 9.617 \text{ IN}^4$
 $S_1 = 1.992 \text{ IN}^3$ $S_2 = 1.752 \text{ IN}^3$



OPG1935 / OPG6020

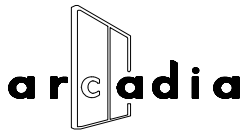


$I = 17.366 \text{ IN}^4$



OPG1935 / OPG6020
W/ STEEL REINFORCEMENT
1 7/8" X 4 1/4" 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.
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- Arcadia assumes no responsibility for selecting the appropriate systems for specific projects.



Deadload Charts | T500 (OPG3000) Series

Description: 2 1/4" X 10" With 1/4" - 1 1/8" Glass

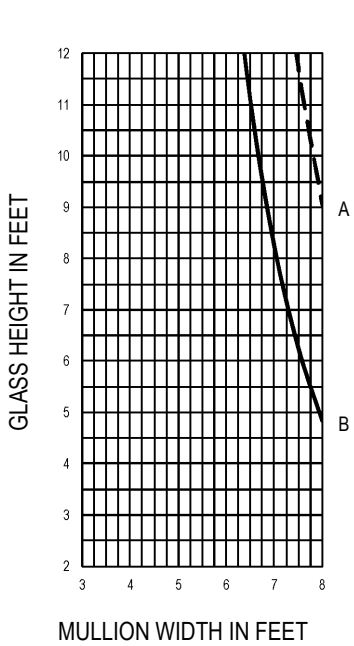
Function: Curtain Wall

Detail: Design Criteria

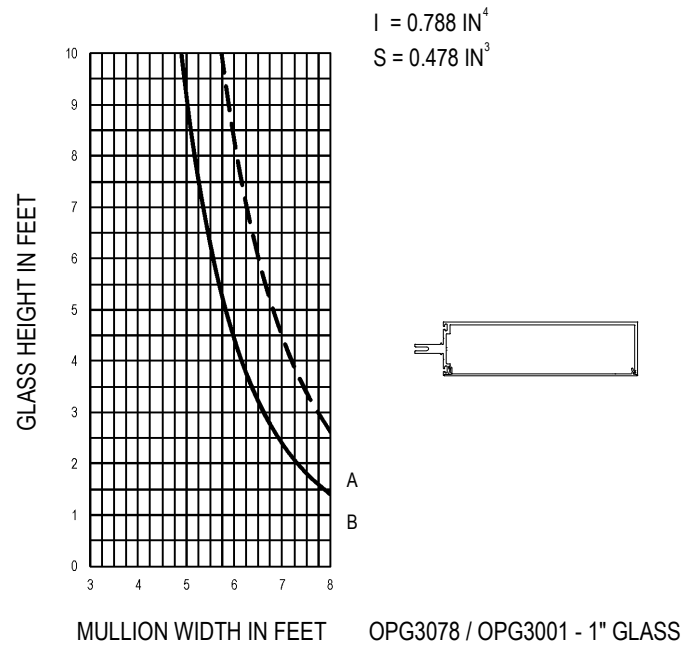
Scale: N.T.S.

Deadload Charts for 1" Insulated Glass (7.00 psf)

SHEET 1 OF 1



OPG3011 - 1" GLASS



OPG3078 / OPG3001 - 1" GLASS

CURVE REPRESENTATION

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

B (—) = 1/4 PTS.