

WINDLOAD CHARTS

(Allowable Stress Design Load - ASD)

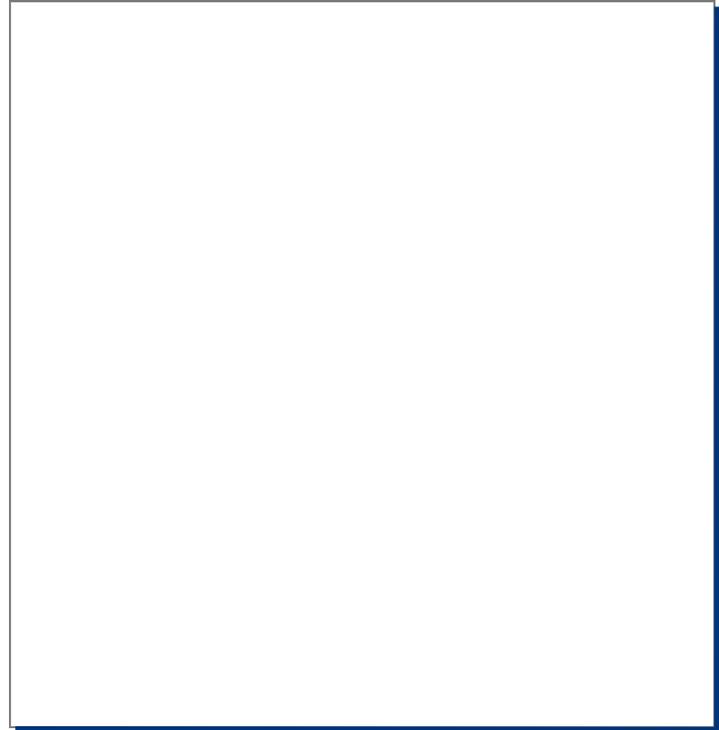
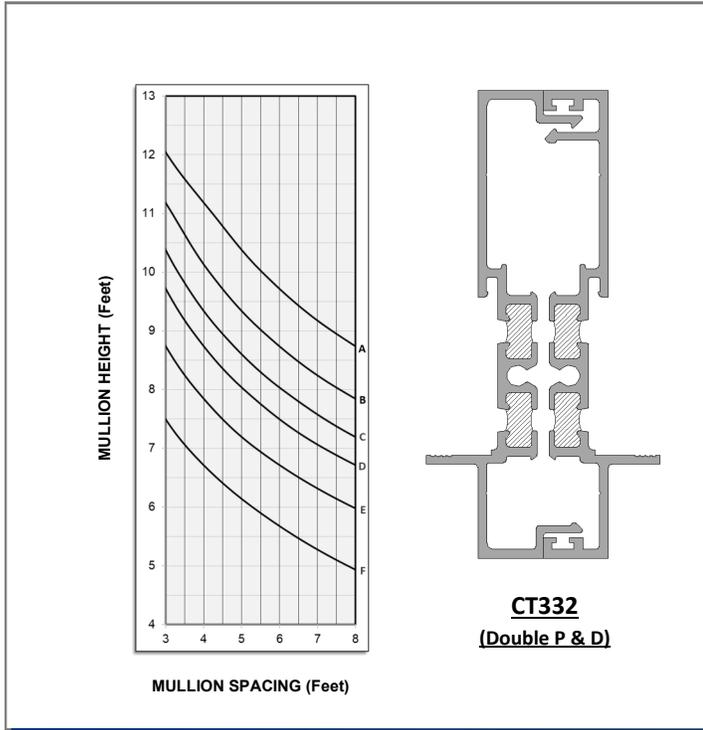
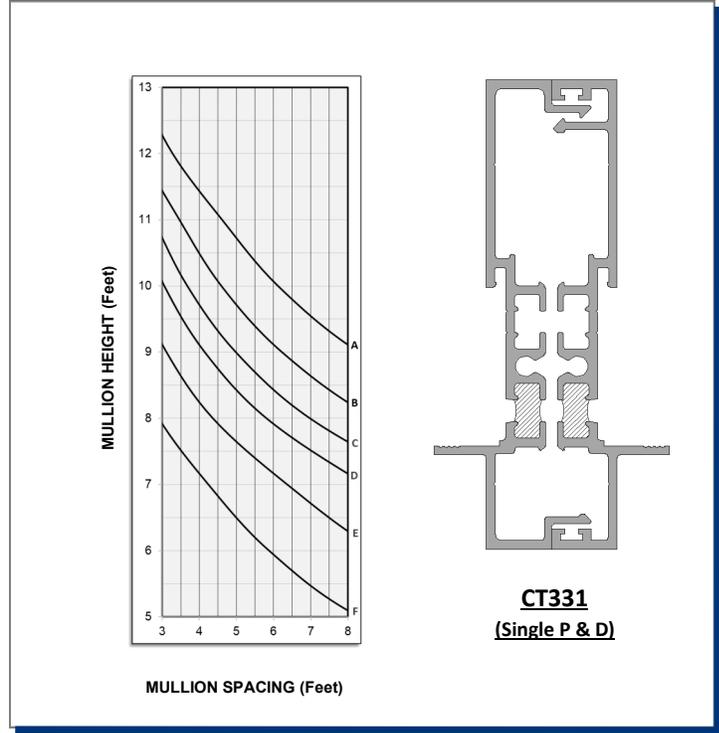
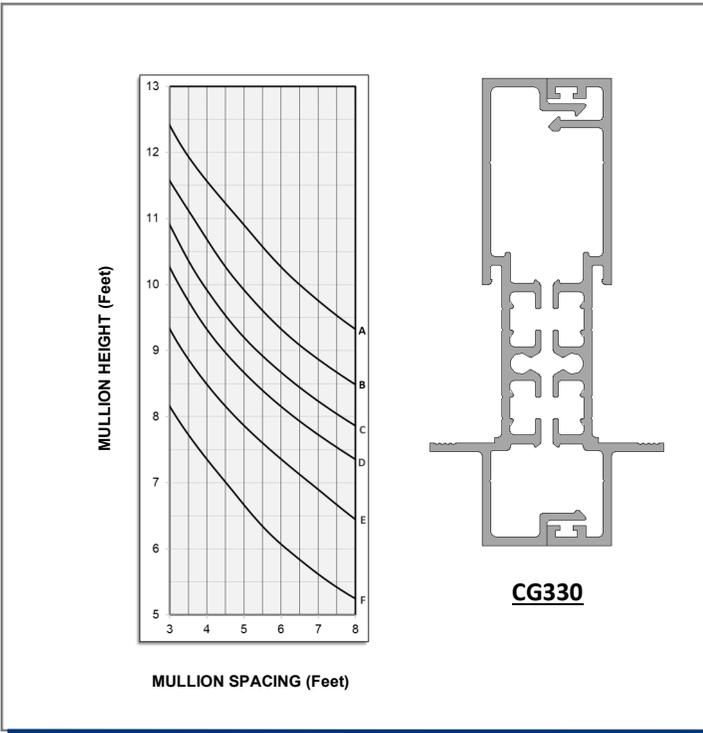
A = 15 PSF D = 30 PSF
 B = 20 PSF E = 40 PSF
 C = 25 PSF F = 60 PSF

CG330/CT331/CT332 SERIES

DESCRIPTION: 1.25" x 4.5" CENTER GLAZED SYSTEM

CATEGORY: STOREFRONT

SCALE: NTS



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- ◆ Deflections have been calculated using the algebraic sum of the individual Ix-values.
- ◆ Bending stress has been apportioned by relative Ix of the appropriate members.
- ◆ Mullions are assumed to be a single span, simple beam, uniformly loaded and adequately braced against lateral-torsional buckling. All other complex design conditions shall be reviewed by a design professional.
- ◆ Aluminum extrusions shall be 6063-T6 (Fy=25ksi) alloy. Deflection limitation of mullions shall be in accordance with IBC 2018 Sect. 1604.3.7, 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.
- ◆ Design of thermal break system is based on AAMA TIR-A8-16. Full composite system shall be subjected to testing to verify actual effective moment of inertia. A design professional shall be consulted for applicable job condition.
- ◆ Windload pressure determinations shall be as per the 2018 IBC / ASCE 7-16 (multiply ultimate windload by 0.6 factor for nominal/ASD load) 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 the building structure are project specific and therefore shall be reviewed and determined by a design professional.
- ◆ Trulite assumes no responsibility for selecting the appropriate systems for specific projects.

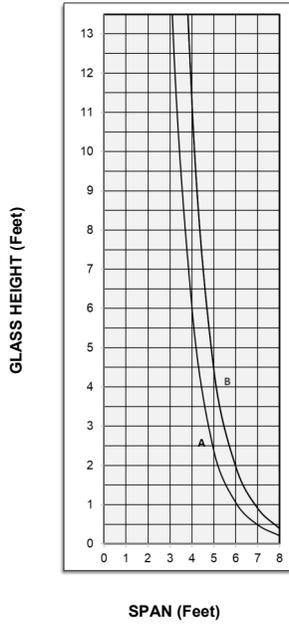


DEADLOAD CHARTS

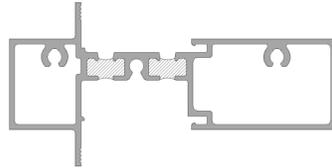
A = 1/4 Point Loading
B = 1/8 Point Loading

CG330 / CT331 / CT332 SERIES

DESCRIPTION: 1.25" x 4.5" CENTER GLAZED SYSTEM
CATEGORY: STOREFRONT
SCALE: NTS



1" Insul. Glass



CT330-4

NOTE: Applicable to CG330-4 and CT331-4 Intermediate Horizontals

- ◆ Transoms are assumed to be single span and glass deadload is concentrated at L/4 or L/8, where L is equal to the span of transom.
- ◆ Deflection limits of transoms are 1/8" (over a fixed panel) and 1/16" (over a door) as per Sect. 4.7.5.2 of AAMA SFM-1-14.
- ◆ Aluminum extrusions shall be 6063-T6 (Fy=25ksi) alloy.
- ◆ Calculation of section properties with thermal break is based on AAMA TIR A8. Full composite system shall be subjected to testing to verify actual effective moment of inertia.
- ◆ Deadload considered is based on actual thickness of glass and weight of transom member. Selection of perimeter fasteners and attachment of glazing system to the building structure are project specific and therefore shall be reviewed and determined by a design professional.
- ◆ Trulite assumes no responsibility for selecting the appropriate systems for specific projects.

