Oldcastle BuildingEnvelope™

FG-1000 STOREFRONT

STRUCTURAL CHARTS

NOVEMBER 2011

Phone: 1-866-OLDCASTLE (653-2278)
Web Address: www.oldcastlebe.com

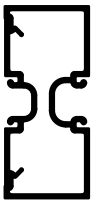
FG-1000 STOREFRONT - WINDLOAD CHARTS

Data is based on deflection limitations in accordance with AAMA TIR-A11 of L/175 up to 13'-6" and L/240 +1/4" above 13'-6", with a maximum deflection of 1 1/4". All curves reflect single span conditions, unless noted otherwise.

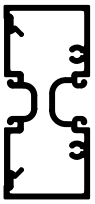
These curves reflect the limiting value for mullions with horizontals and are based on allowable windload stress for T6 aluminum (15,000 psi) and A36 steel (20,000 psi).

For special applications not covered by these curves, please consult your local Oldcastle BuildingEnvelope™ facility for assistance.

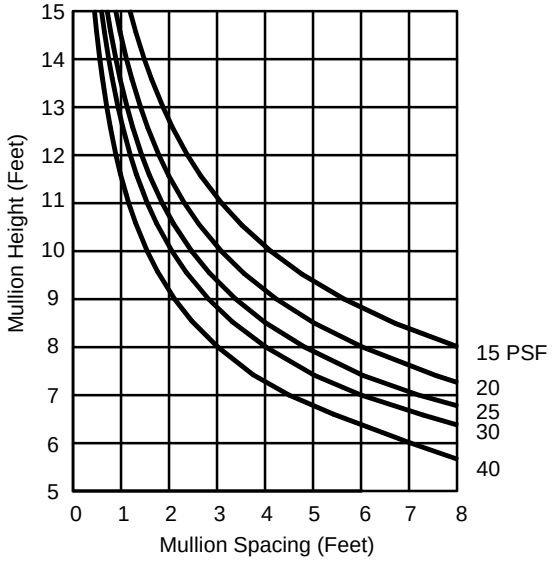
FG-1100
FG-1102



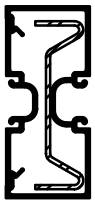
FG-1103
FG-1102



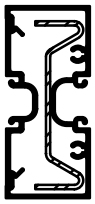
I = 2.026
S = 1.013



FG-1100
FG-1102

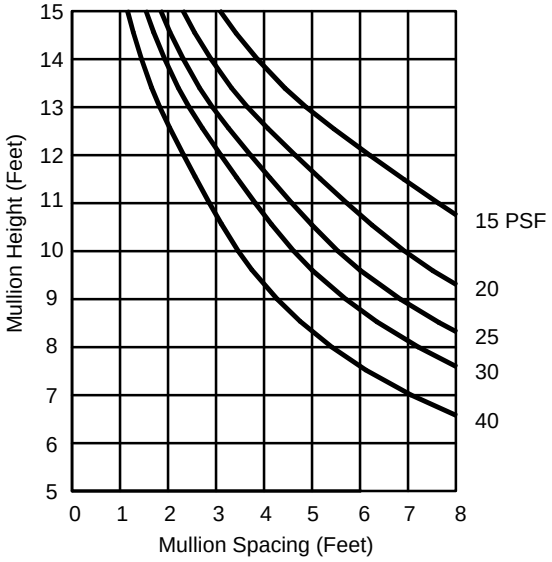


FG-1103
FG-1102

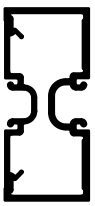


I = 2.026
S = 1.013

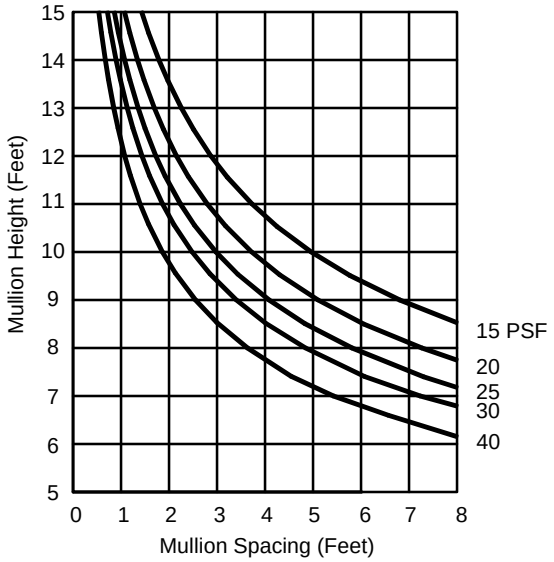
RS-3 STEEL
I = 1.120
S = 0.640



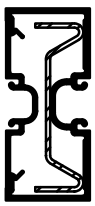
FG-1101
FG-1102



I = 2.442
S = 1.227

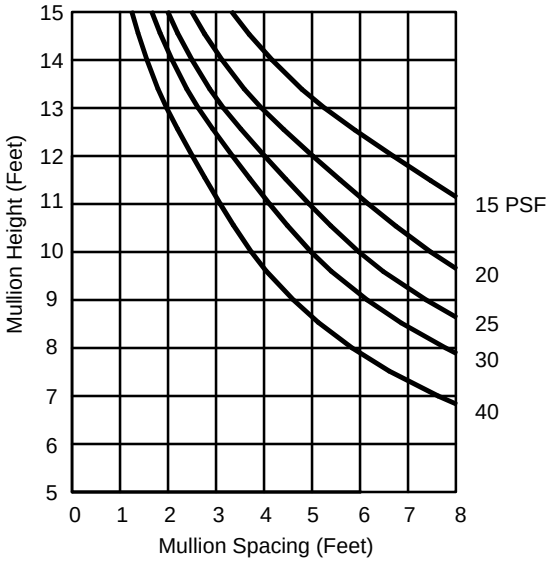


FG-1101
FG-1102



I = 2.442
S = 1.227

RS-3 STEEL
I = 1.120
S = 0.640



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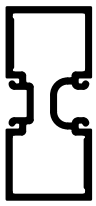
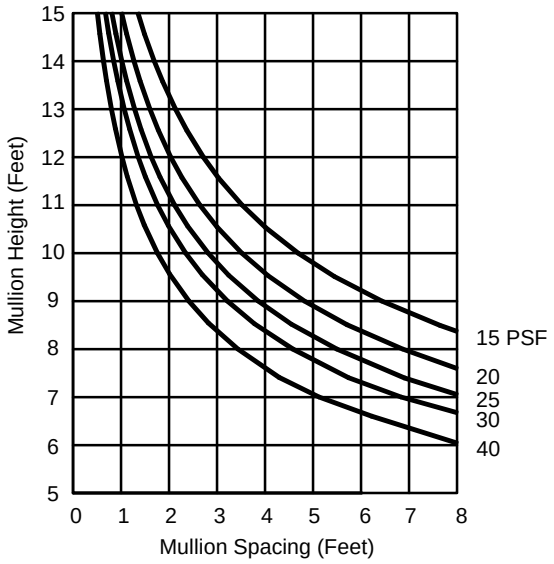
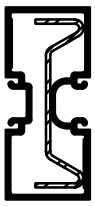
FG-1107



I = 2.308
S = 1.184

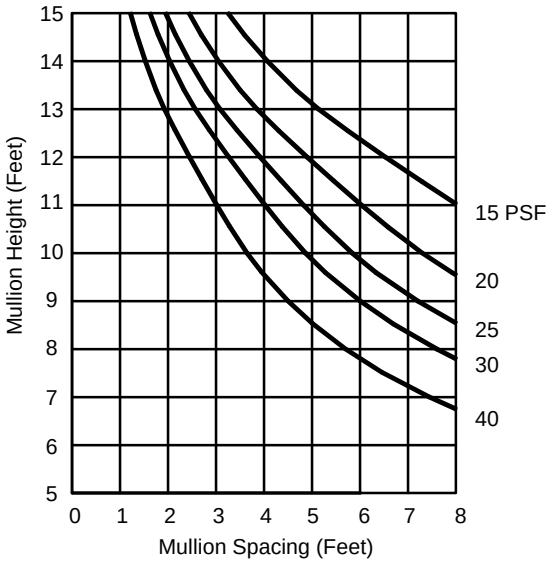


FG-1107



I = 2.308
S = 1.184

RS-3 STEEL
I = 1.120
S = 0.640



FG-1000 STOREFRONT - DEAD LOAD CHARTS

Data is based on maximum deflection of 1/8" at the center of an intermediate horizontal. All curves are calculated for 1/4" thick glass (3.25 PSF) supported on two setting blocks at 1/4 or 1/8 point loading locations.

These curves are based on allowable windload stress for T6 aluminum (15,000 psi).

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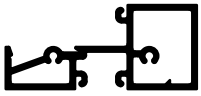
FG-1104



I = 0.386
S = 0.315