

ArcticFront™ 45X Dual High Performance Thermally Broken Storefront



Windload Charts

Center Glazed
• Series 45X

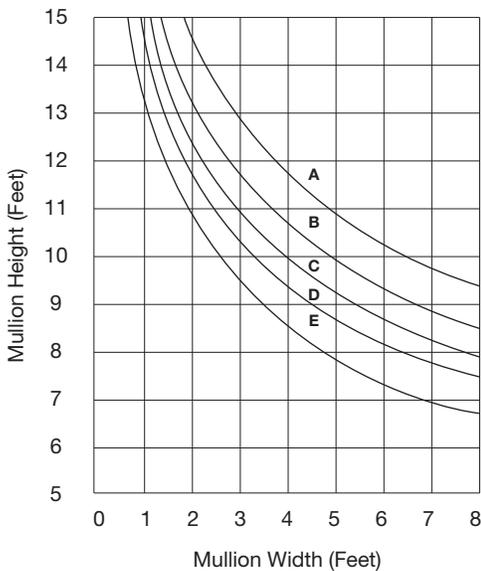
STANDARD WALL VERTICAL MULLIONS FOR 1" (25) GLAZING

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'-16", with a maximum deflection of 1-1/4". All curves reflect single span conditions, unless noted otherwise.

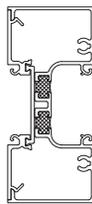
These curves reflect the limiting value for mullions with horizontals and are based on allowable windload stress for T6 aluminum (15,000 psi) and A36 steel (20,000 psi).

A 4/3 increase in allowable stress is not reflected in these curves. For other applications, please contact U.S. Aluminum Technical Sales at (800) 262-5151, or visit our web site at usalum.com.

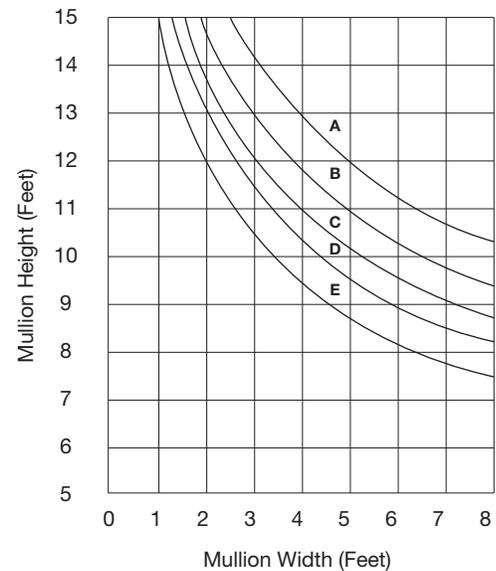
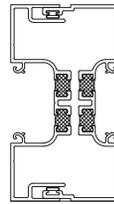
Limitation of vertical mullions for:
 CURVES **A** = 15 PSF (718 Pa)
 CURVES **B** = 20 PSF (957 Pa)
 CURVES **C** = 25 PSF (1197 Pa)
 CURVES **D** = 30 PSF (1436 Pa)
 CURVES **E** = 40 PSF (1915 Pa)



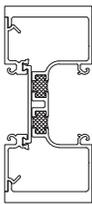
45XVE/45XVA
 I = 3.231
 S = 1.436



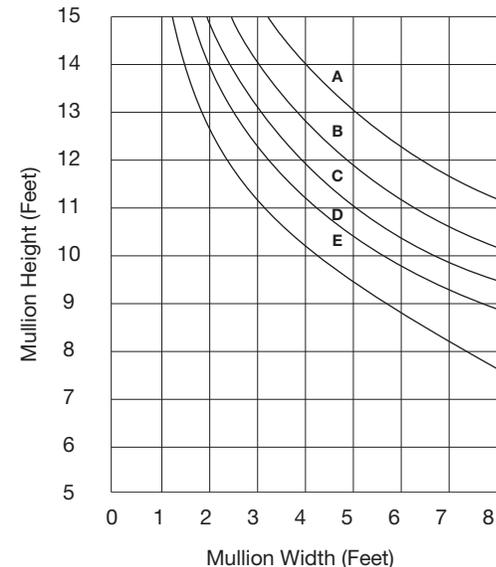
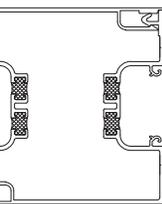
45XVD/45XVC
 I = 4.257
 S = 1.891



45XVE/45XVB
 I = 5.763
 S = 2.561



45XVH/45XVH
 I = 5.510
 S = 1.886



Deadload Charts

Center Glazed
• Series 45X

INTERMEDIATE HORIZONTAL MULLIONS FOR 1" (25) GLAZING

Data is based on deflection limitations in accordance with AAMA TIR-A11 of L/75 up to 13'-6" and L/240 +1/4" above 13'-16", with a maximum deflection of 1-1/4". All curves reflect single span conditions, unless noted otherwise.

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

A 4/3 increase in allowable stress is not reflected in these curves.

