



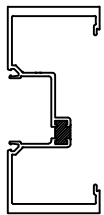
**CASCADE
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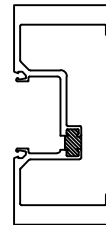
4102 NE 72nd Ave
Vancouver, WA 98661

WINDLOAD CHART

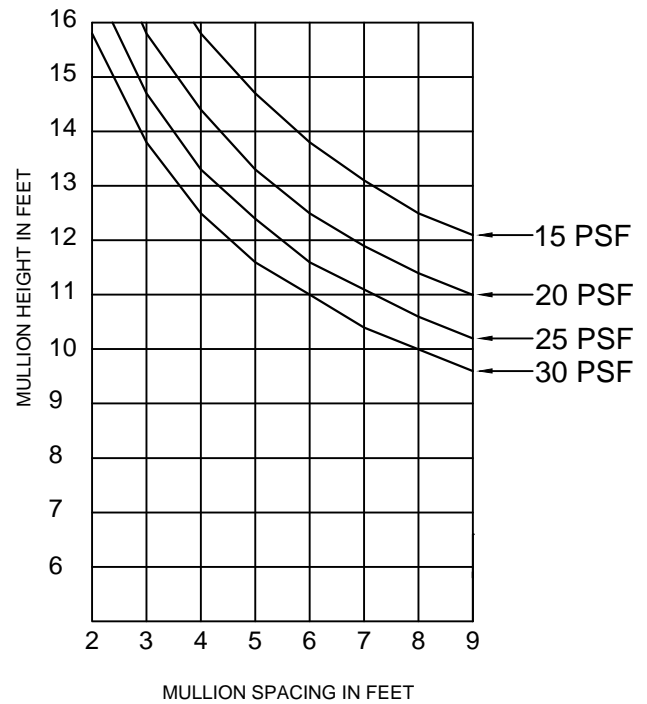
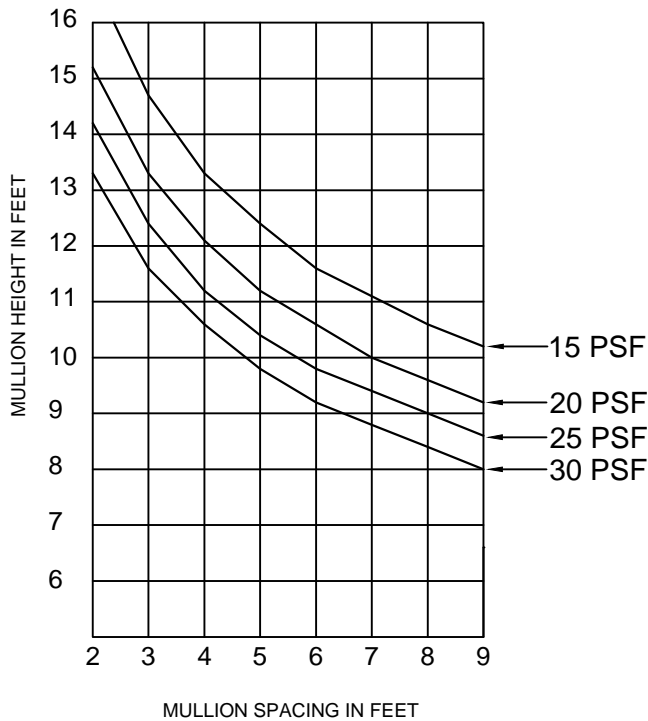
450 TCS



PART #TIV452
I = 4.606
S = 2.04
MATERIAL: 6063-T6 ALUM
Fy = 25 ksi
E = 10,100 ksi



PART #TH452
I = 7.6897
S = 3.41
MATERIAL: 6063-T6 ALUM
Fy = 25 ksi
E = 10,100 ksi



BASED ON A MEMBER DEFLECTION L/175

BUILDING LAWS AND CODES GOVERNING THE DESIGN AND USE OF GLAZED ENTRANCE, STOREFRONTS, AND CURTAIN WALL PRODUCTS VARY WIDELY. IT IS THE RESPONSIBILITY OF THE OWNER, ARCHITECT AND GLAZING CONTRACTOR TO DESIGN A SYSTEM TO MEET ALL APPLICABLE CODES. CASCADE ALUMINUM HAS NO CONTROL OVER THE SELECTION OF THE PRODUCTS, CONFIGURATIONS, OR GLAZING MATERIALS AND ASSUMES NO RESPONSIBILITY THEREOF.



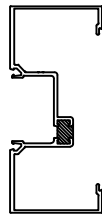
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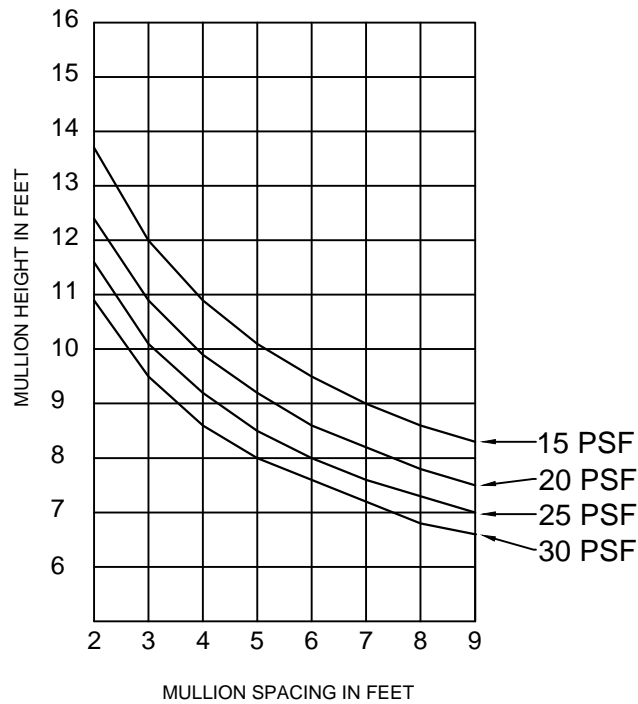
4102 NE 72nd Ave
Vancouver, WA 98661

WINDLOAD CHART

450 TCS



PART # TV452R
I =2.505
S =1.09
MATERIAL: 6063-T6 ALUM
Fy = 25 ksi
E = 10,100 ksi



BASED ON A MEMBER DEFLECTION L/175

BUILDING LAWS AND CODES GOVERNING THE DESIGN AND USE OF GLAZED ENTRANCE, STOREFRONTS, AND CURTAIN WALL PRODUCTS VARY WIDELY. IT IS THE RESPONSIBILITY OF THE OWNER, ARCHITECT AND GLAZING CONTRACTOR TO DESIGN A SYSTEM TO MEET ALL APPLICABLE CODES. CASCADE ALUMINUM HAS NO CONTROL OVER THE SELECTION OF THE PRODUCTS, CONFIGURATIONS, OR GLAZING MATERIALS AND ASSUMES NO RESPONSIBILITY THEREOF.



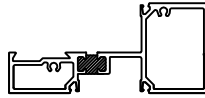
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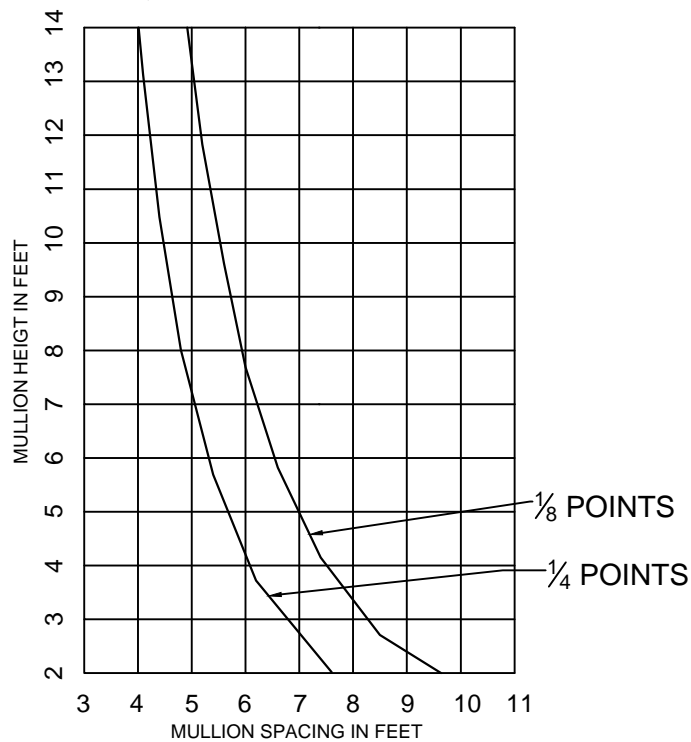
4102 NE 72nd Ave
Vancouver, WA 98661

DEAD LOAD CHART

450 TCS



PART #TH450
I = 0.43
S = 0.37
MATERIAL: 6063-T6 ALUM
Fy = 25 ksi
E = 10,100 ksi



BASED ON A MEMBER DEFLECTION L/360

BUILDING LAWS AND CODES GOVERNING THE DESIGN AND USE OF GLAZED ENTRANCE, STOREFRONTS, AND CURTAIN WALL PRODUCTS VARY WIDELY. IT IS THE RESPONSIBILITY OF THE OWNER, ARCHITECT AND GLAZING CONTRACTOR TO DESIGN A SYSTEM TO MEET ALL APPLICABLE CODES. CASCADE ALUMINUM HAS NO CONTROL OVER THE SELECTION OF THE PRODUCTS, CONFIGURATIONS, OR GLAZING MATERIALS AND ASSUMES NO RESPONSIBILITY THEREOF.