

Kawneer Trifab® 601T Storefront

Office: (816) 505-0987

Instructions	3
Kawneer 601T-CG-001 ADM15 15ft Span 3ft Lb	5
Kawneer 601T-CG-001 ADM15 15ft Span 6ft Lb	6
Kawneer 601T-CG-001 ADM15 15ft Span 10ft Lb	7
Kawneer 601T-CG-013 ADM15 15ft Span 3ft Lb	8
Kawneer 601T-CG-013 ADM15 15ft Span 6ft Lb	9
Kawneer 601T-CG-013 ADM15 15ft Span 10ft Lb	10
Kawneer 601T-CG-112 ADM15 15ft Span 3ft Lb	11
Kawneer 601T-CG-112 ADM15 15ft Span 6ft Lb	12
Kawneer 601T_CG_112 ADM15 15ft Span 10ft Lb	13

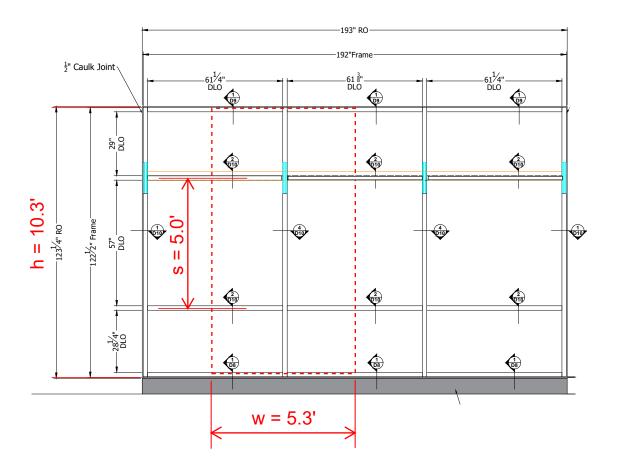
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Value Added Extra

For Client Use Only

- Step 1 Make sure that max horizontal mullion spacing (s) is not more than chart maximum (12'-0" in this case.)
- Step 2 Enter the chart on the horizontal axis with your spacing or tributary width (w) of the vertical mullion.
- Step 3 Enter the chart on the vertical axis with the maximum span height (h) of the mullion.
- Step 4 Ensure that the intersection is below the design wind load indicated by colored line.

Example



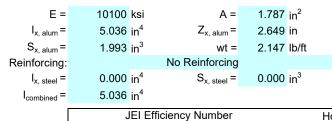
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Wind Load Chart including Unbraced Length Effects Kawneer 162-001 6063-T6 Aluminum

Maximum Horizontal Mullion Center Line Spacing (Unbraced Length) = 12'-0" (1)

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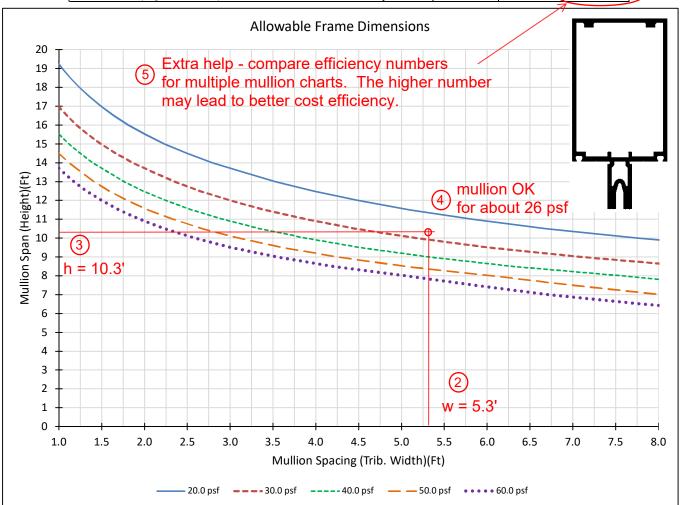
s = 5



Curves are based on deflection limits of L/175 for ≤ 13'6" or L/240 + 1/4" for L > 13'-6" and limiting stress (moment) according to Chapters B, C & F of the listed Aluminum Design Manual version.

If mullion span < max horizontal spacing, horizontals are not required.

JEI Efficiency Number Horizontal Spacing (ft) 2.5 ft 5.0 ft 10.0 ft (Higher is better) Efficiency Number: 1172 1172

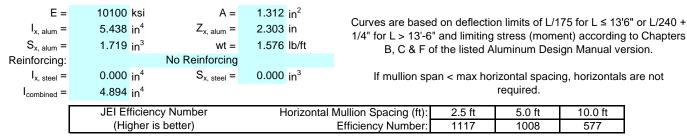


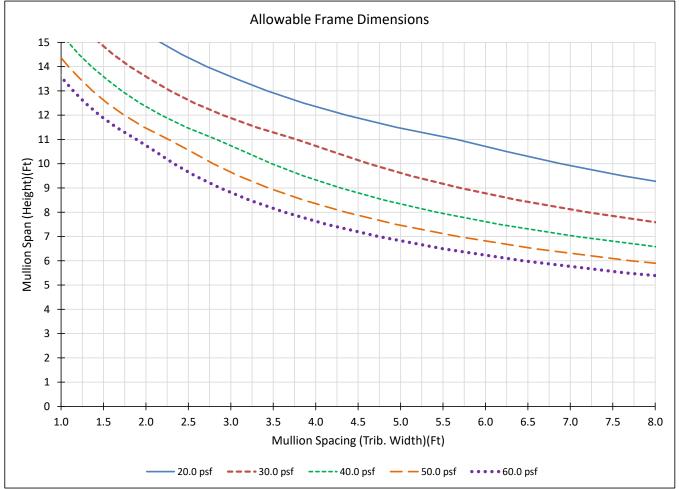
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Wind Load Chart including Unbraced Length Effects Kawneer 601T-CG-001 6063-T6 Aluminum

Maximum Horizontal Mullion Center Line Spacing (Unbraced Length) = 3'-0"

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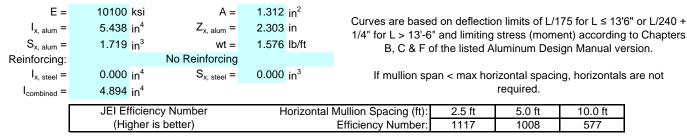
Using this chart: Plot the mullion height (span) and the intended mullion spacing. If mullion spacing is uneven, add the DLO width on each side of the mullion and divide by 2. Plotted points below a given curve are acceptable for that design pressure (PSF). Plotted points above a given curve will require a heavier mullion or reinforcing for that design pressure (PSF).

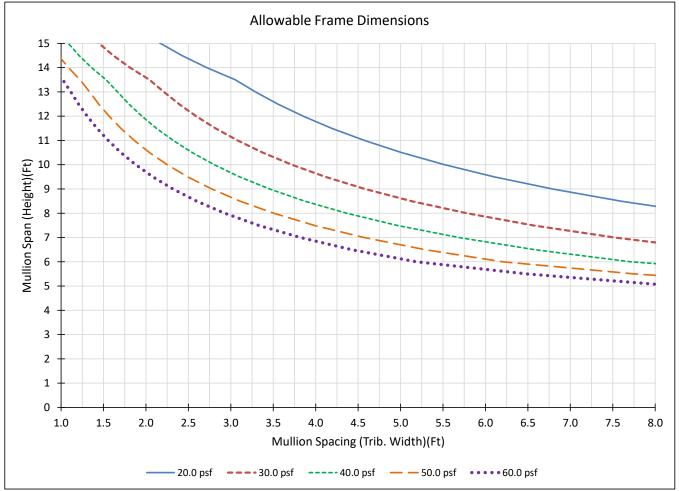
Disclaimer: This chart is not a replacement for review by a licensed structural engineer and shall not be used for final installation or in lieu of sealed engineering calculations. This chart is only valid for the manufacturer part number, aluminum alloy, ASCE7 version and Aluminum Design Manual version listed above. All project criteria must meet these criteria for the chart to be a valid estimating tool. Verify the listed mullion properties against manufacture's published values to verify validity prior to use of this chart.

Wind Load Chart including Unbraced Length Effects Kawneer 601T-CG-001 6063-T6 Aluminum

Maximum Horizontal Mullion Center Line Spacing (Unbraced Length) = 6'-0"

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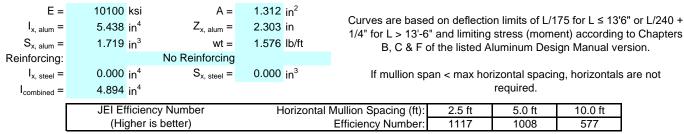
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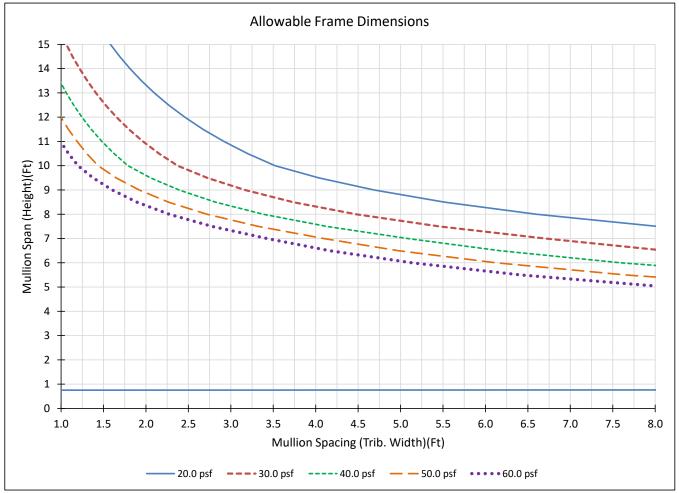
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Wind Load Chart including Unbraced Length Effects Kawneer 601T-CG-001 6063-T6 Aluminum

Maximum Horizontal Mullion Center Line Spacing (Unbraced Length) = 10'-0"

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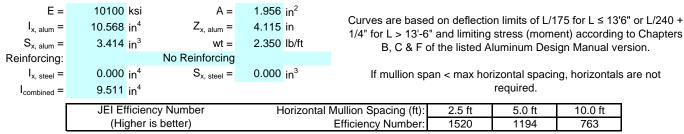
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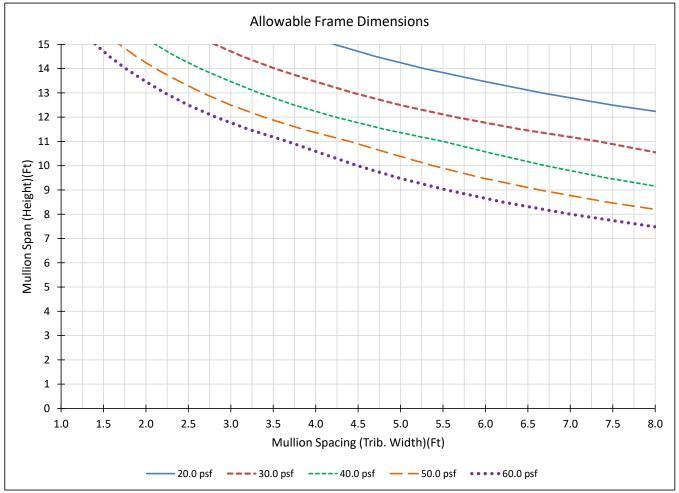
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Wind Load Chart including Unbraced Length Effects Kawneer 601T-CG-013 6063-T6 Aluminum

Maximum Horizontal Mullion Center Line Spacing (Unbraced Length) = 3'-0"

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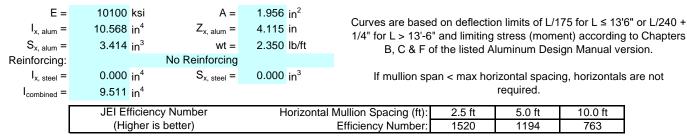
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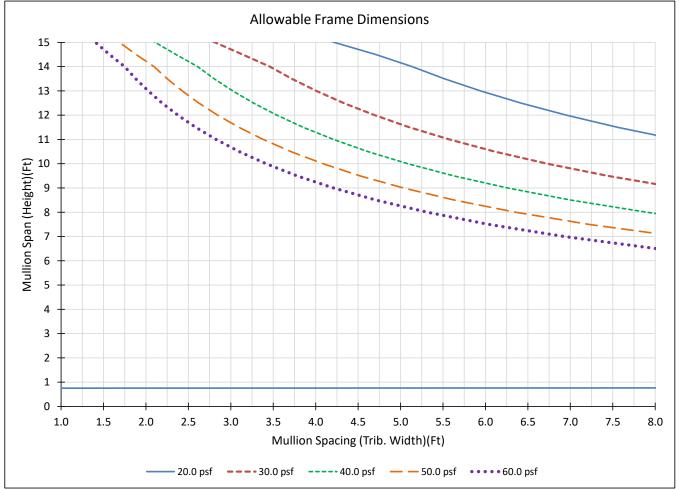
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Maximum Horizontal Mullion Center Line Spacing (Unbraced Length) = 6'-0"

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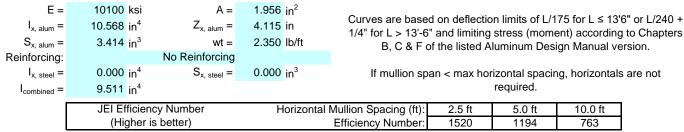
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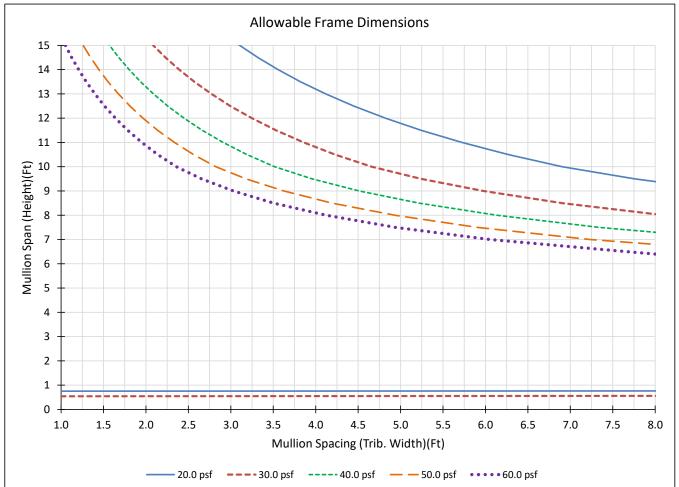
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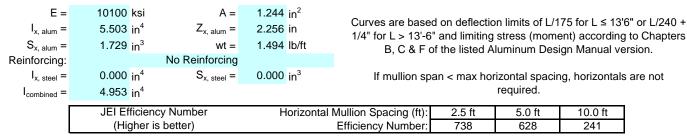
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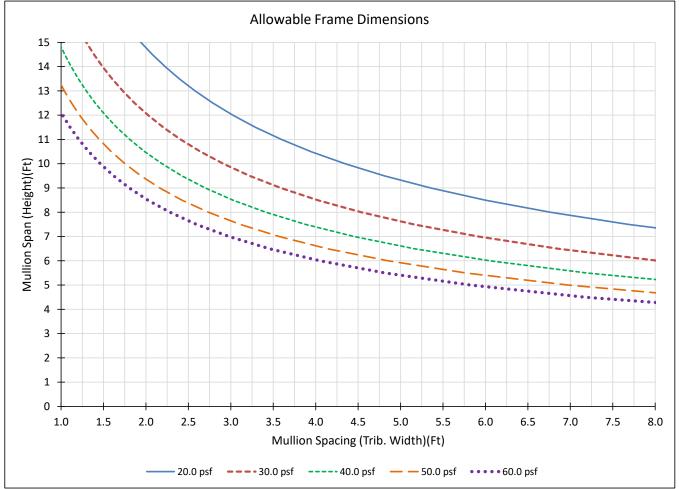
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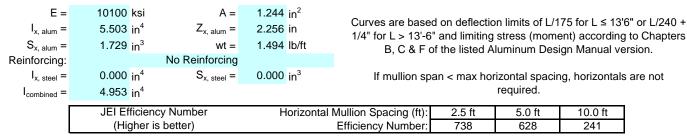
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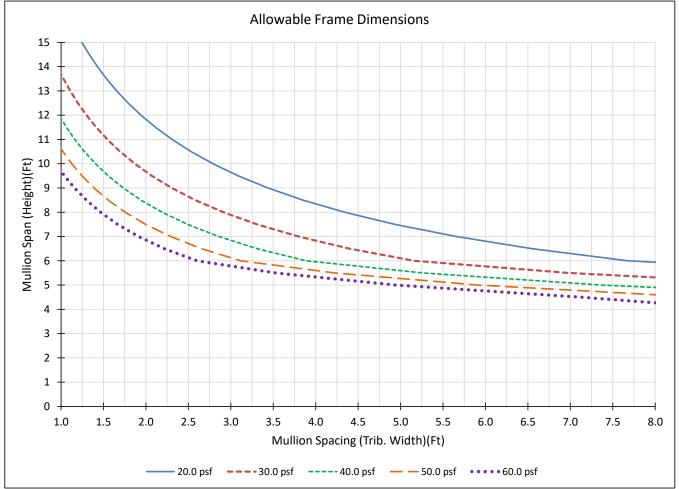
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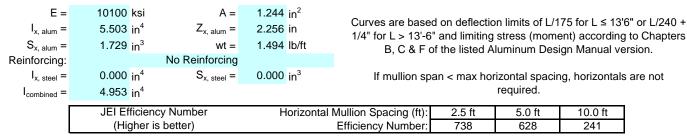
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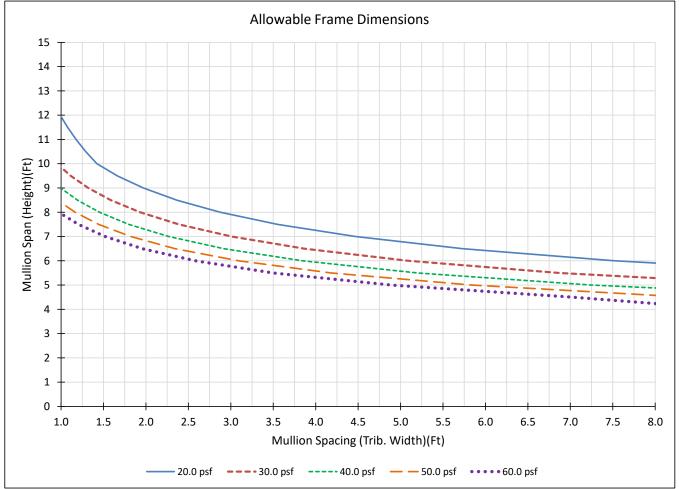
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