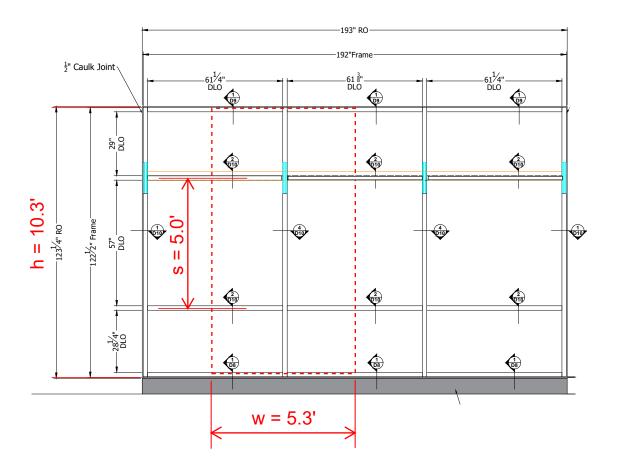


Kawneer 1600 Wall System®1 Curtain Wall

Instruction	ns				3
Kawneer	162-001	ADM15	20ft Span	3ft Lb	5
Kawneer	162-001	ADM15	20ft Span	6ft Lb	6
Kawneer	162-001	ADM15	20ft Span	10ft Lb	7
Kawneer	162-002	ADM15	20ft Span	3ft Lb	8
Kawneer	162-002	ADM15	20ft Span	6ft Lb	9
Kawneer	162-002	ADM15	20ft Span	10ft Lb	10
Kawneer	162-003	ADM15	20ft Span	3ft Lb	11
Kawneer	162-003	ADM15	20ft Span	6ft Lb	12
Kawneer	162-003	ADM15	20ft Span	10ft Lb	13
Kawneer	162-004	ADM15	20ft Span	3ft Lb	14
				6ft Lb	
				10ft Lb	
Kawneer	162-064	ADM15	30ft Span	3ft Lb	17
Kawneer	162-064	ADM15	30ft Span	6ft Lb	18
				10ft Lb	
Kawneer	162-065	ADM15	30ft Span	3ft Lb	20
				6ft Lb	
				10ft Lb	
				3ft Lb	
Kawneer	162-094	ADM15	20ft Span	6ft Lb	24
			=	10ft Lb	
				3ft Lb	
				6ft Lb	
Kawneer	162-095	ADM15	20ft Span	10ft Lb	28

- 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

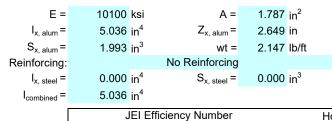


Wind Load Chart including Unbraced Length Effects Kawneer 162-001 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual

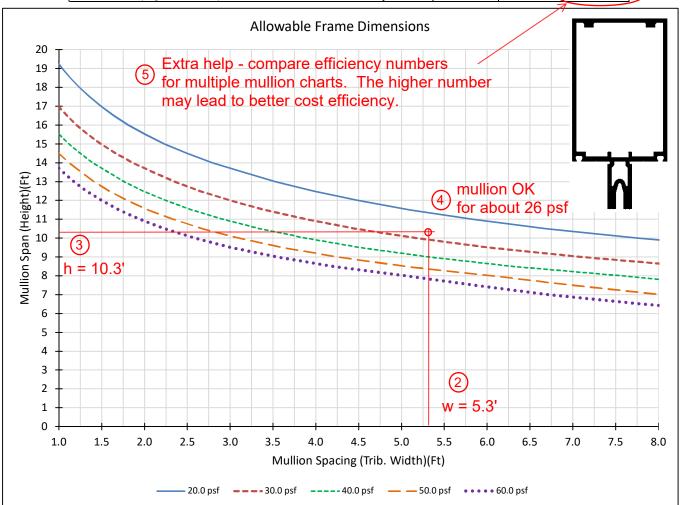
s = 5



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.

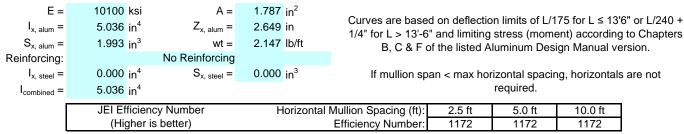
JEI Efficiency Number Horizontal Spacing (ft) 2.5 ft 5.0 ft 10.0 ft
(Higher is better) Efficiency Number: 1172 1172

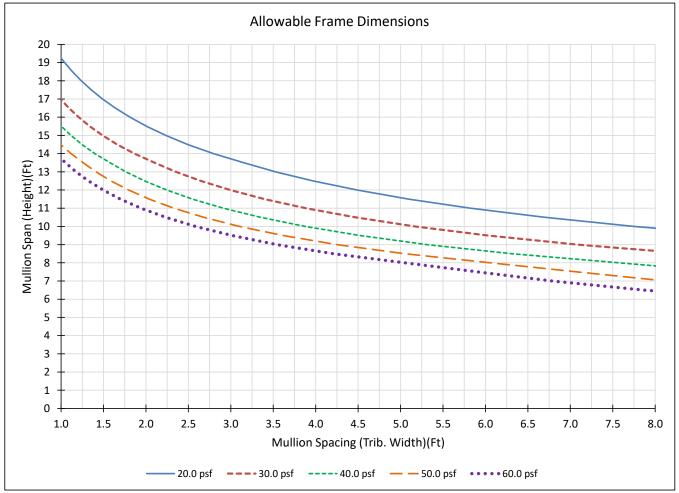


Wind Load Chart including Unbraced Length Effects Kawneer 162-001 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





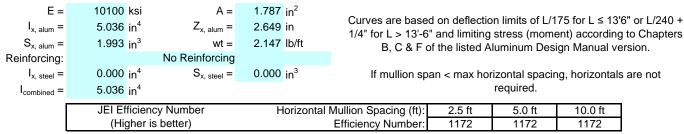
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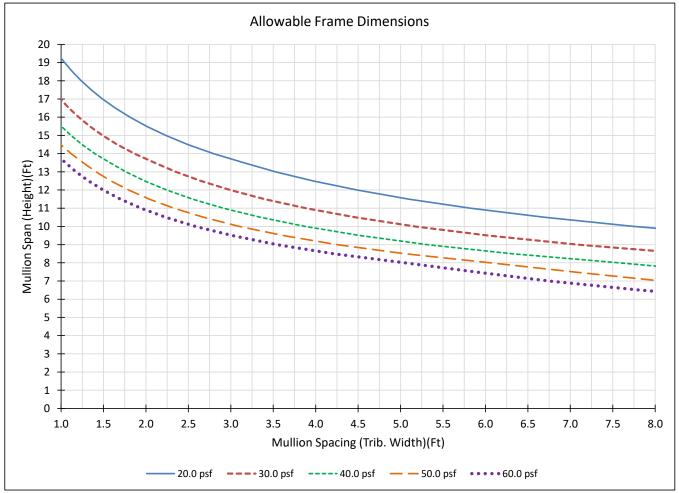
Disclaimer: This chart is not a replacement for review by a licensed structural engineer and shall not be used for final installation or in lieu of sealed engineering calculations. This chart is only valid for the manufacturer part number, aluminum alloy, ASCE7 version and Aluminum Design Manual version 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 162-001 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





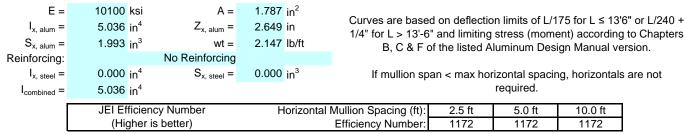
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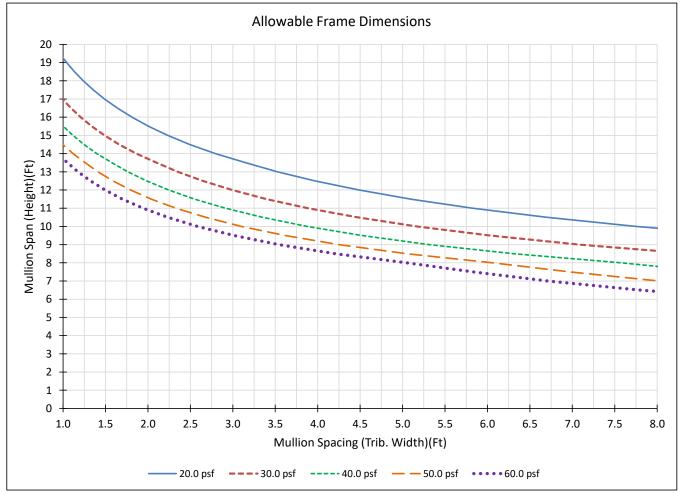
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Wind Load Chart including Unbraced Length Effects Kawneer 162-001 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





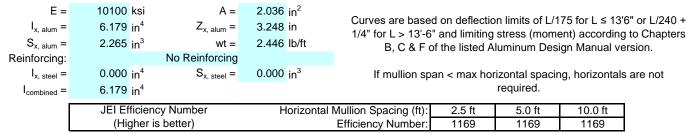
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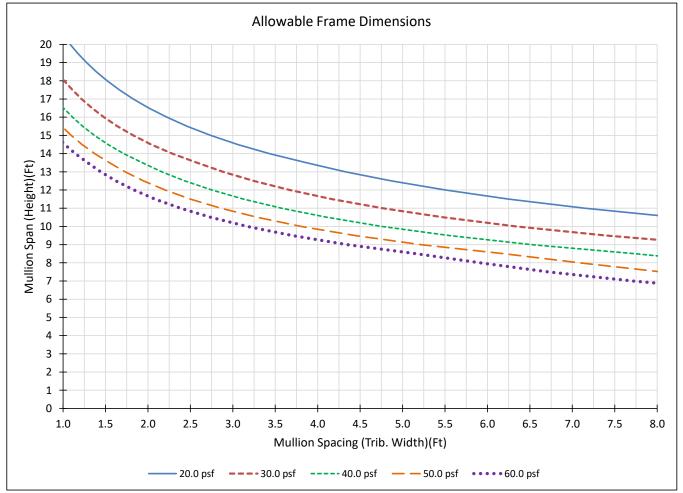
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Wind Load Chart including Unbraced Length Effects Kawneer 162-002 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





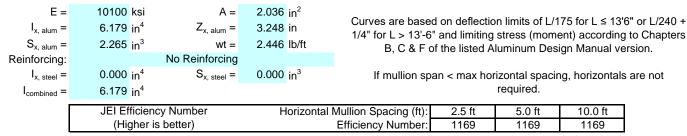
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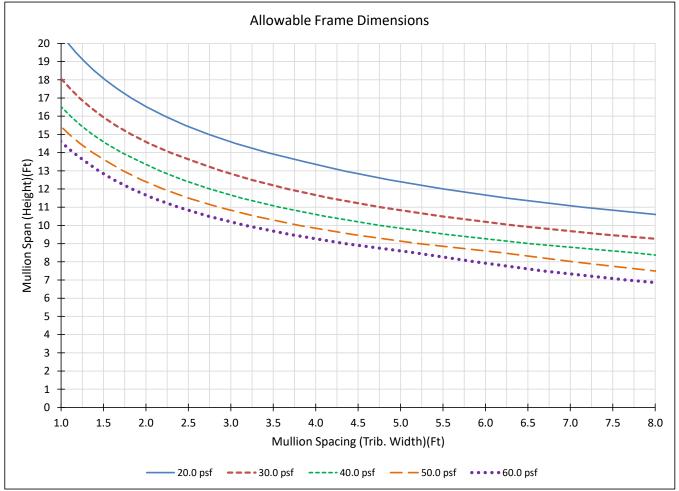
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Wind Load Chart including Unbraced Length Effects Kawneer 162-002 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





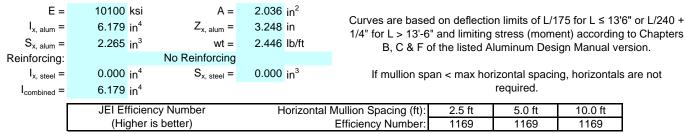
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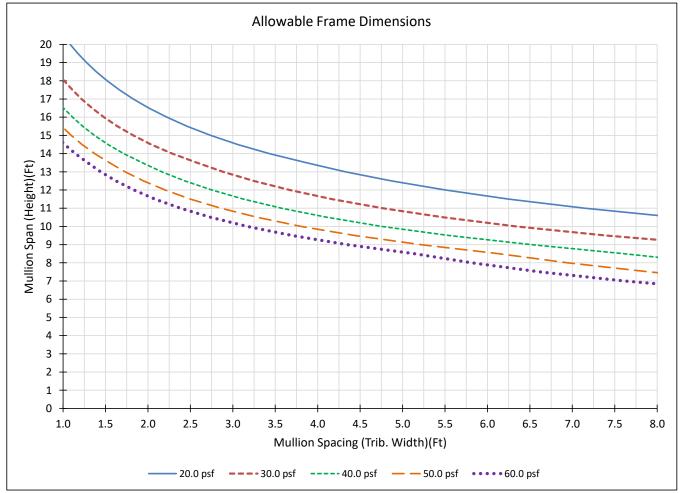
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Wind Load Chart including Unbraced Length Effects Kawneer 162-002 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





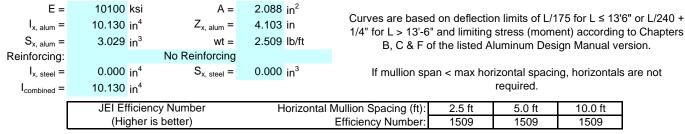
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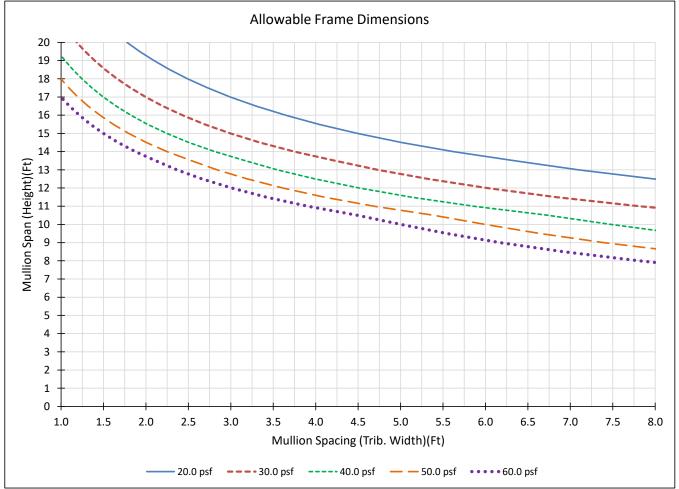
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Wind Load Chart including Unbraced Length Effects Kawneer 162-003 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





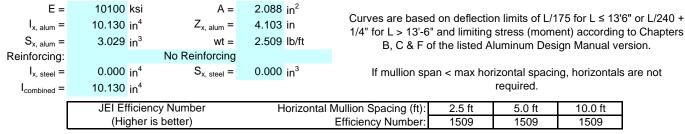
Using this chart: Plot the mullion height (span) and the intended mullion spacing. If mullion spacing is uneven, add the DLO width on each side of the mullion and divide by 2. Plotted points below a given curve are acceptable for that design pressure (PSF). Plotted points above a given curve will require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

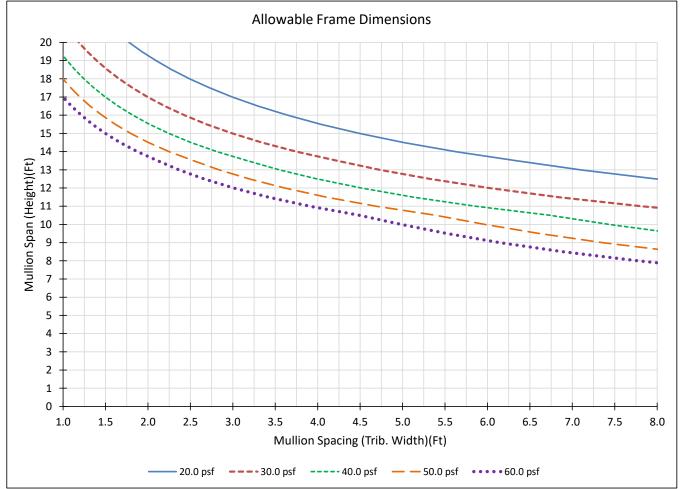
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Wind Load Chart including Unbraced Length Effects Kawneer 162-003 6063-T6 Aluminum

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

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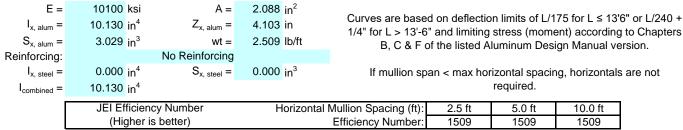
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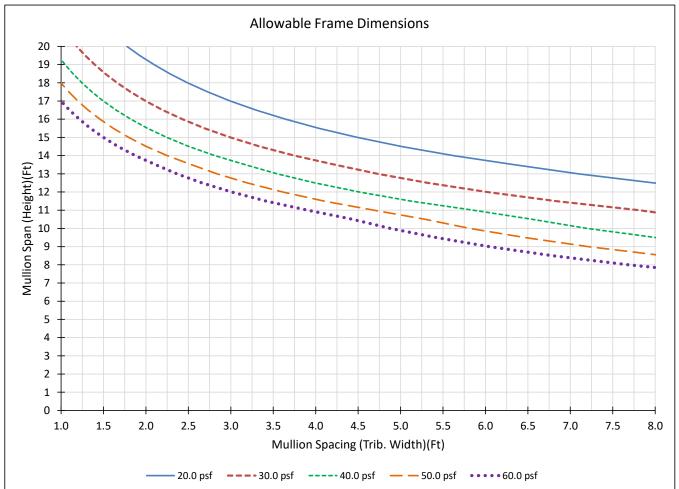
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Wind Load Chart including Unbraced Length Effects Kawneer 162-003 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





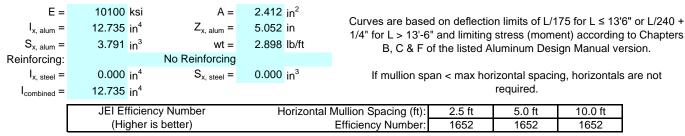
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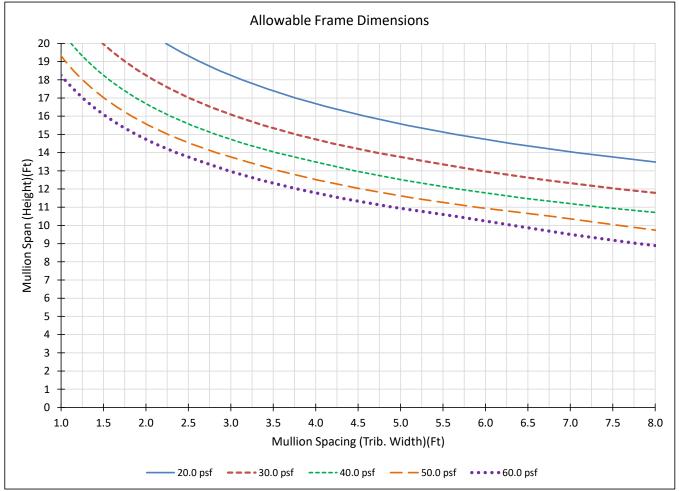
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Wind Load Chart including Unbraced Length Effects Kawneer 162-004 6063-T6 Aluminum

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

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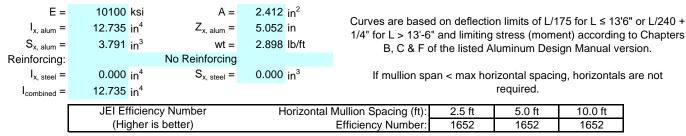
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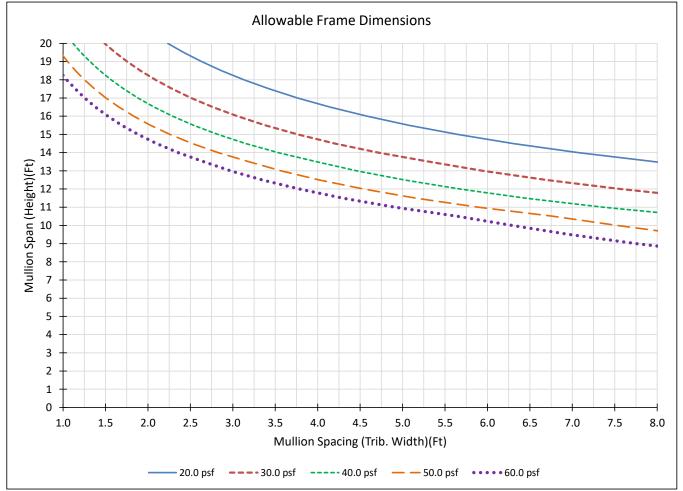
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Wind Load Chart including Unbraced Length Effects Kawneer 162-004 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





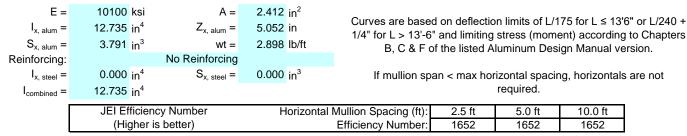
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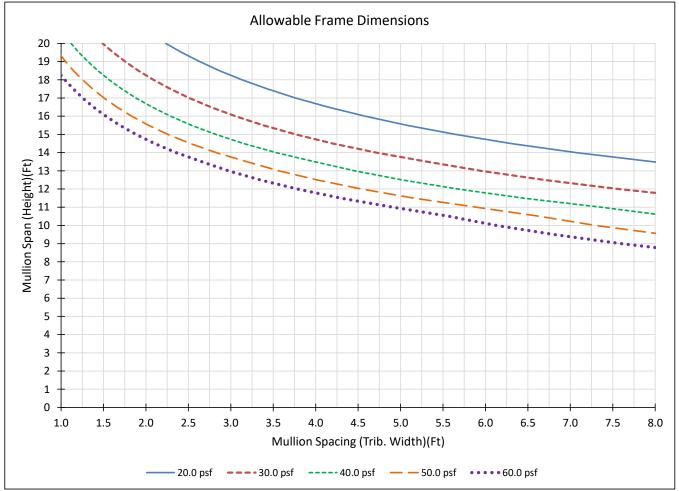
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Wind Load Chart including Unbraced Length Effects Kawneer 162-004 6063-T6 Aluminum

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

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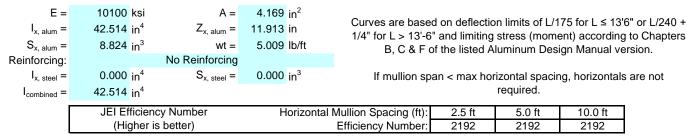
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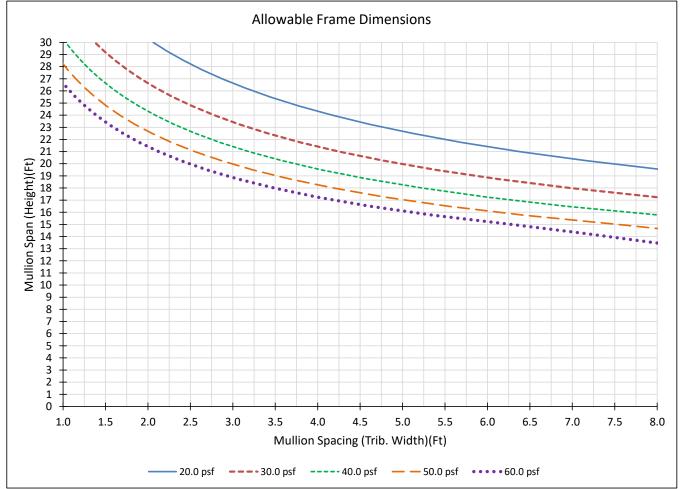
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Wind Load Chart including Unbraced Length Effects Kawneer 162-064 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





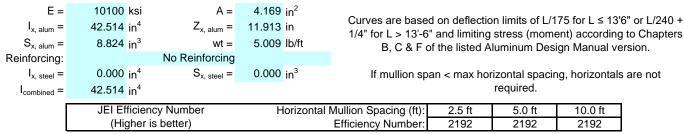
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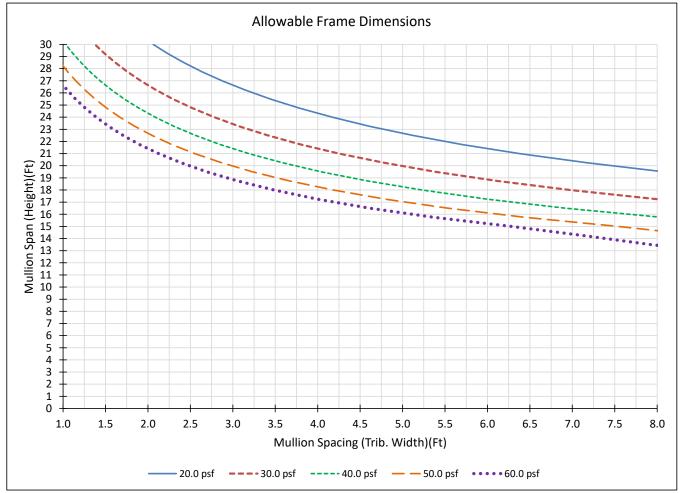
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Wind Load Chart including Unbraced Length Effects Kawneer 162-064 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





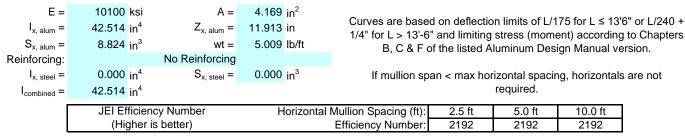
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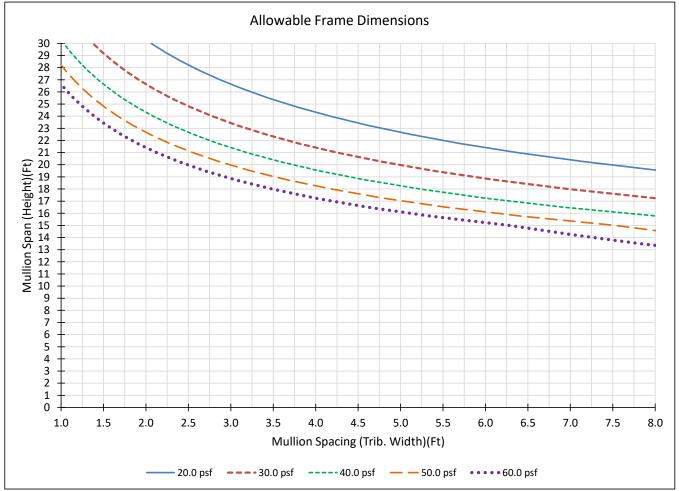
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Wind Load Chart including Unbraced Length Effects Kawneer 162-064 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





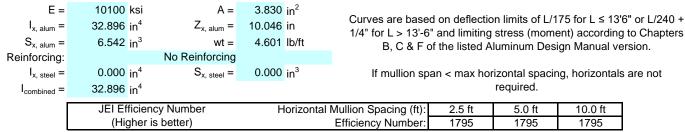
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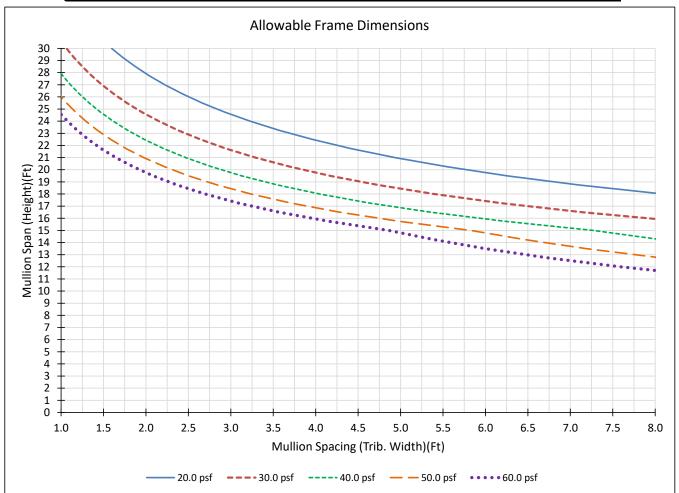
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Wind Load Chart including Unbraced Length Effects Kawneer 162-065 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





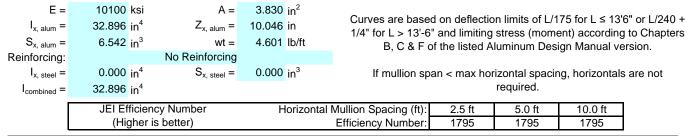
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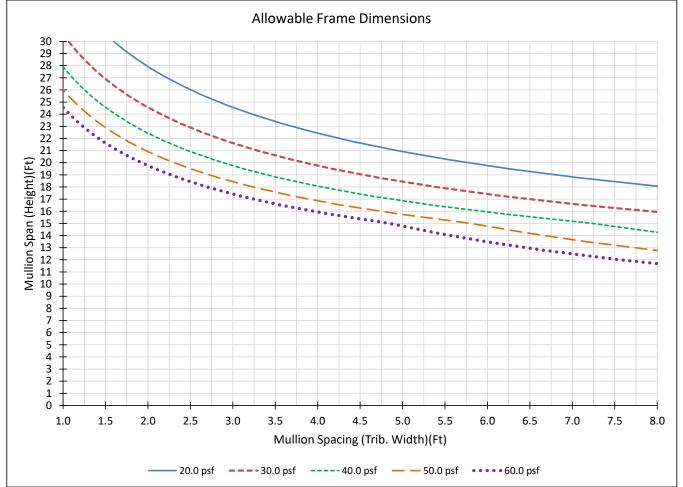
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Wind Load Chart including Unbraced Length Effects Kawneer 162-065 6063-T6 Aluminum

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

IBC 2015 - ASCE7-10 ASD - 2015 Aluminum Design Manual





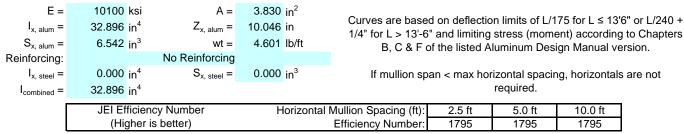
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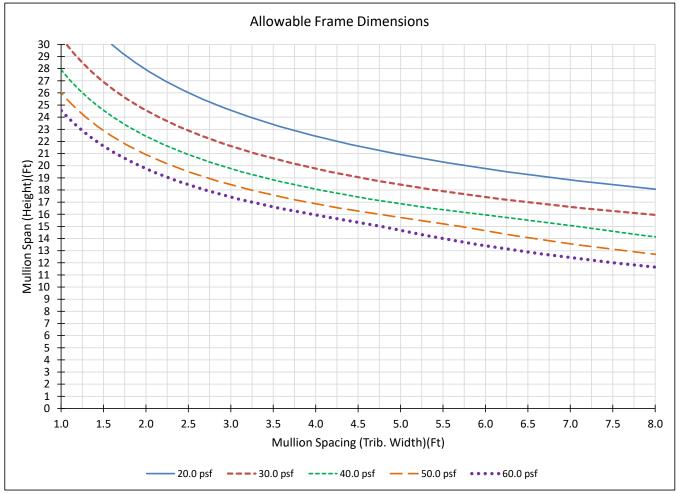
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Wind Load Chart including Unbraced Length Effects Kawneer 162-065 6063-T6 Aluminum

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

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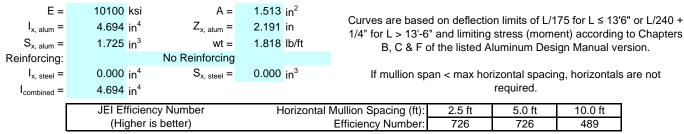
Using this chart: Plot the mullion height (span) and the intended mullion spacing. If mullion spacing is uneven, add the DLO width on each side of the mullion and divide by 2. Plotted points below a given curve are acceptable for that design pressure (PSF). Plotted points above a given curve will require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

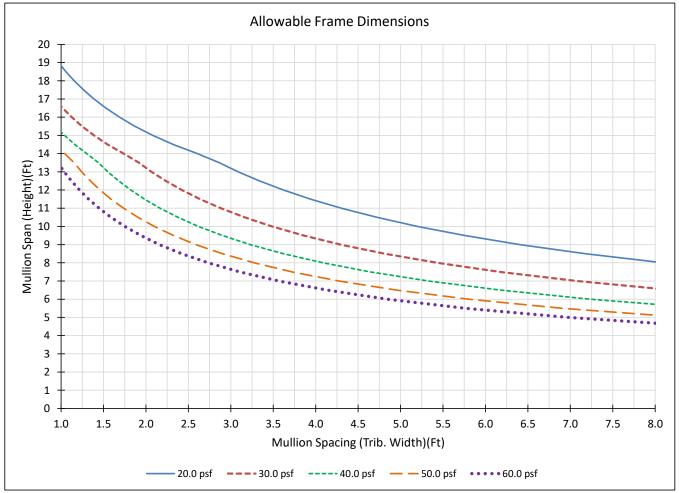
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Wind Load Chart including Unbraced Length Effects Kawneer 162-094 6063-T6 Aluminum

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

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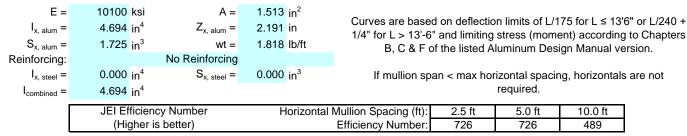
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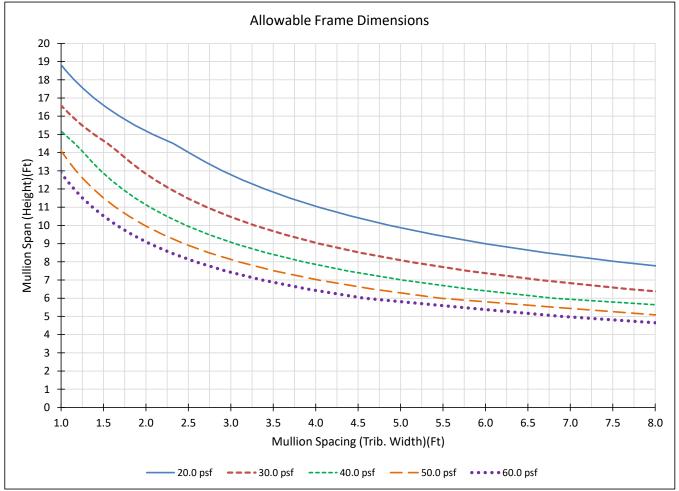
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Wind Load Chart including Unbraced Length Effects Kawneer 162-094 6063-T6 Aluminum

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

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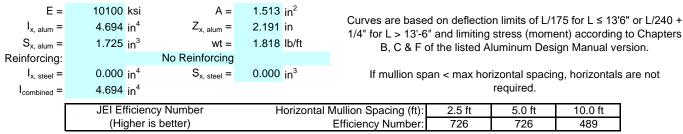
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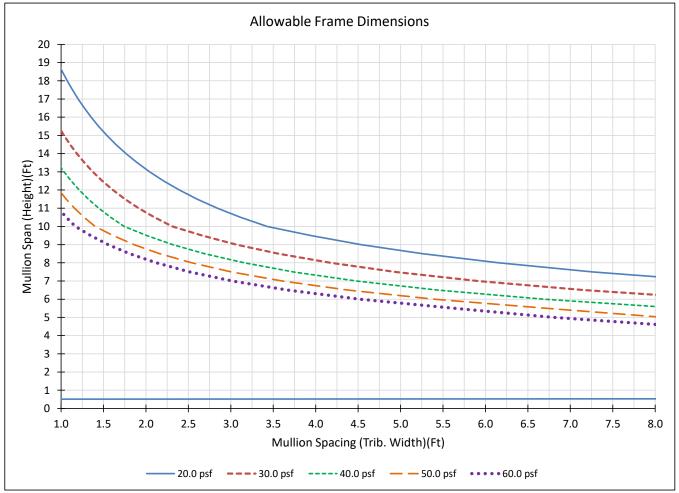
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Wind Load Chart including Unbraced Length Effects Kawneer 162-094 6063-T6 Aluminum

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

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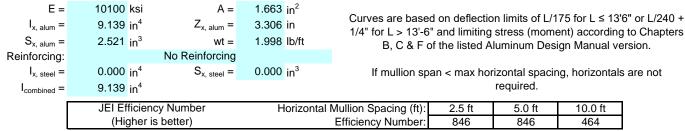
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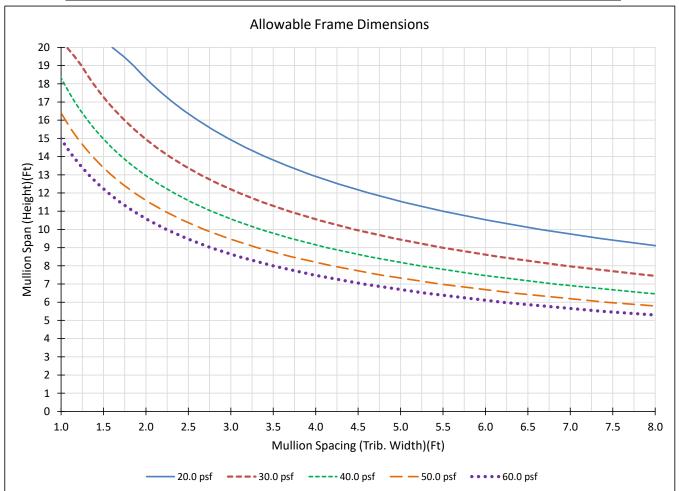
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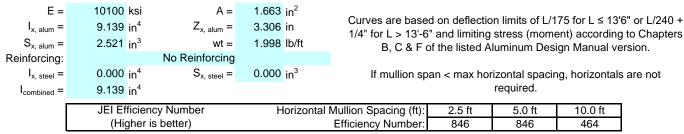
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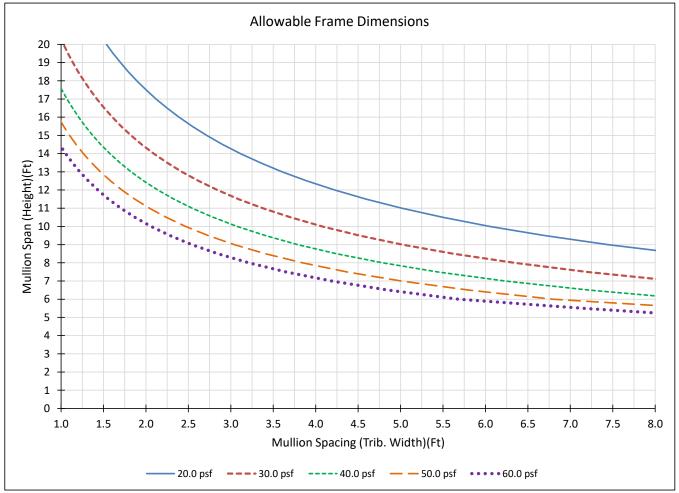
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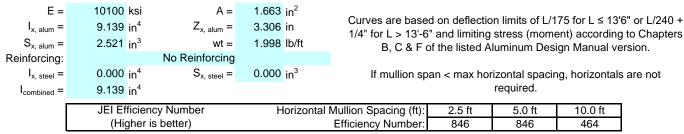
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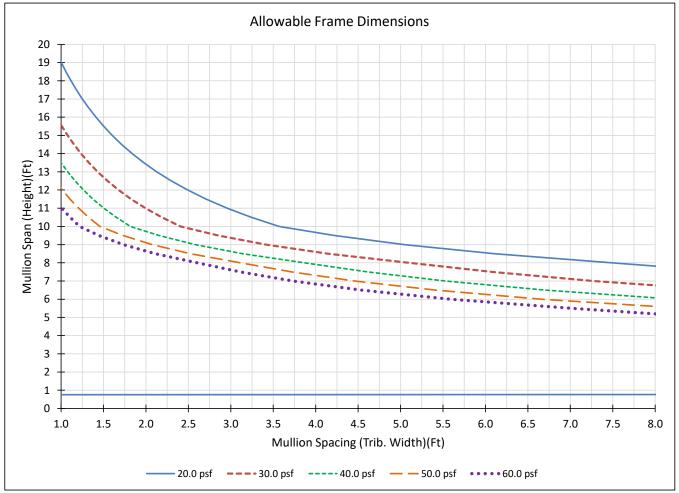
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