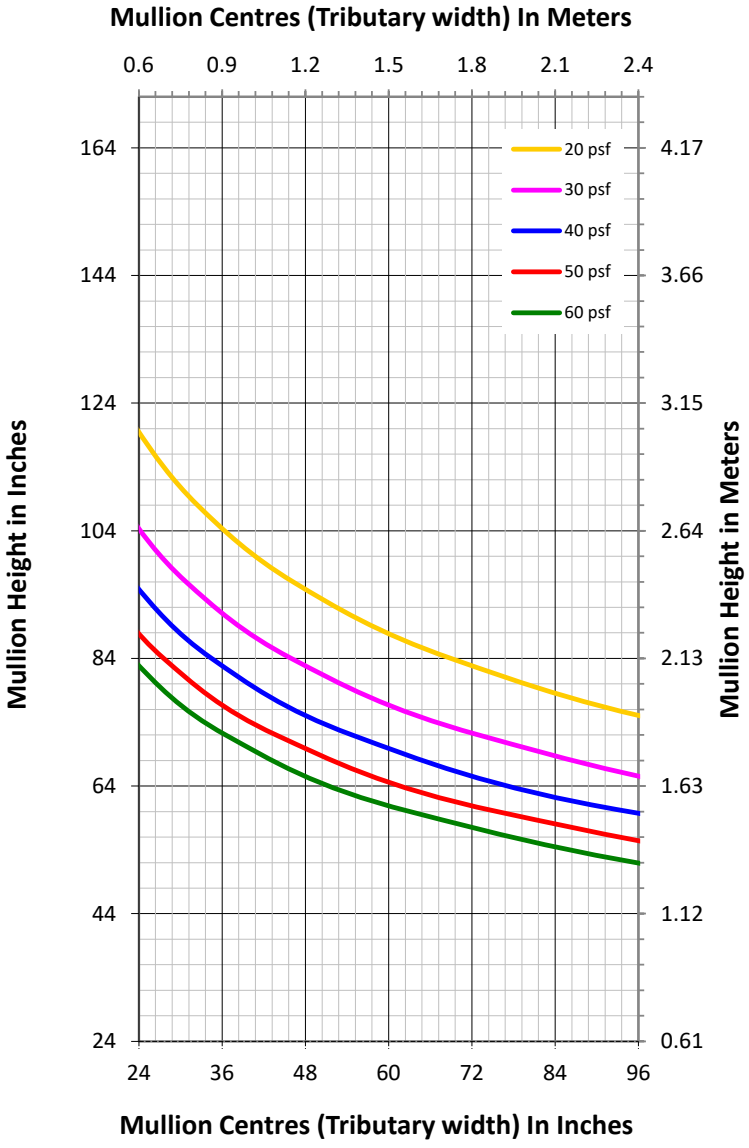
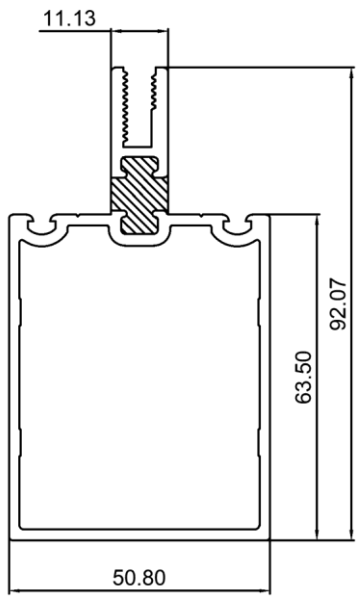
SPAN CHART

**SPAN CHART IS FOR ESTIMATION ONLY.
DO NOT UTILIZE FOR DETAILED DESIGN.
CHART IS BASED ON DEFLECTION ANALYSIS ONLY**



MULLION SECTION



SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area	
Moment of Inertia, I_{xx}	I_{xx} = **1.29** in^4 (53.9cm^4)
Section Modulus, S_{xx}	S_{xx} = **0.68** in^3 (11.1cm^3)
Total Area	A = 0.99 in^2 (6.4cm^2)
Modulus of Elasticity	
Aluminum	10,000,000 PSI
Steel	29,000,000 PSI

GENERAL NOTES

1. Deflection Limit: L/175 for spans not exceeding 13.5ft.
2. Deflection Limit: L/240+0.25in for spans over 13.5ft.
3. Assume horizontal members provide lateral support.
4. Steel moment of inertia converted to polyester, vinyl or aluminum equivalent.
5. CANADIAN PROJECTS: Use SLS wind loads or modify the specified wind load by 0.75 before utilizing this chart. i.e. if project specifications require p_{net} = 40 psf, utilize 30 psf on this chart (0.75 x 40 = 30). (Based on NBCC 2020).

CLIENT: ICON ALUMINUM SOLUTIONS	**SERIES:** CW2.0-2.5T SERIES CURTAINWALL		**ENGINEERING BY:** LAYTON CONSULTING LTD Unit 233-18525 53rd Avenue, Surrey, BC, Canada, V3S 7A4 Tel: 604-530-6611 | Fax: 604-530-6101 www.laytonconsulting.com
	DRAWING TITLE: WIND LOAD CHART FOR 2.5" THERMALLY BROKEN MULLION		
	DRAWN BY: JS	**CHK'D BY:** IC	**DATE:** 23-FEB-2026	**DWG. NO:** CW2-2.5T