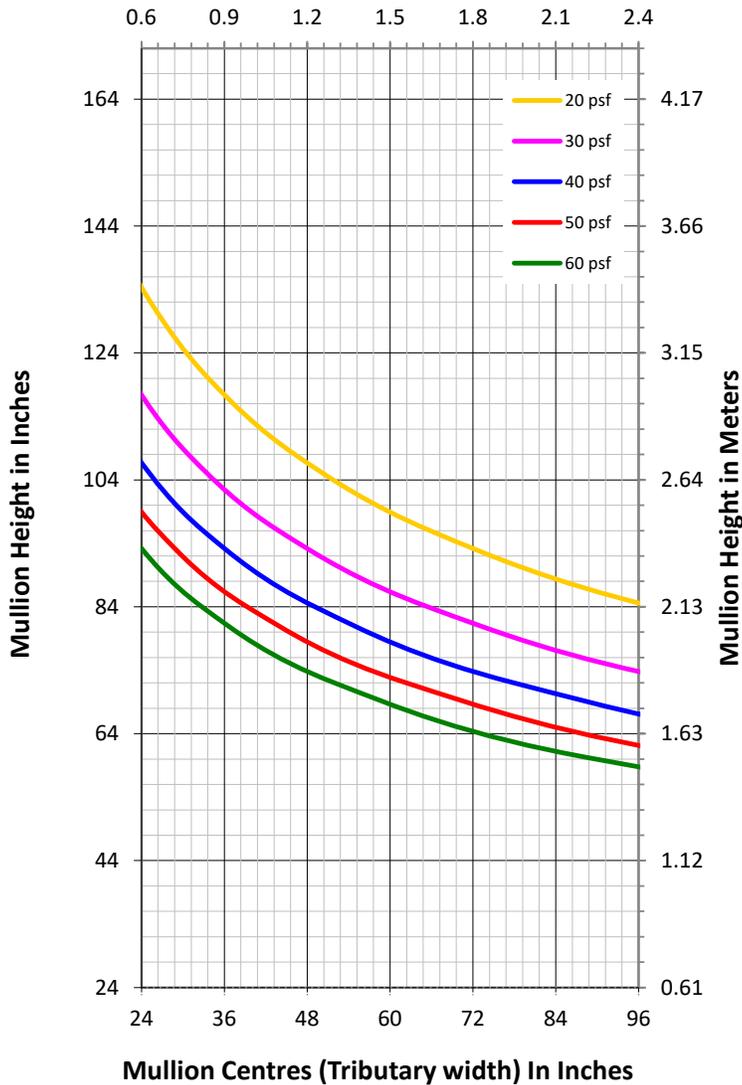


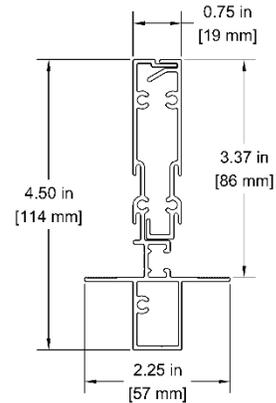
SPAN CHART

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

Mullion Centres (Tributary width) In Meters



MULLION SECTION



SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area

Moment of Inertia, I_{xx}	$I_{xx} = 1.84 \text{ in}^4$
Section Modulus, S_{xx}	$S_{xx} = 0.82 \text{ in}^3$
Total Area	$A = 1.00 \text{ in}^2$

Modulus of Elasticity

Aluminum	10,000,000 PSI
Steel	29,000,000 PSI

GENERAL NOTES

1. Deflection Limit: $L/175$ up to 13.5ft, $L/240 + 0.25"$ over 13.5ft
2. Assume horizontal members provide lateral support
3. Steel moment of inertia converted to polyester, vinyl or aluminum equivalent
4. 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 $p_{net} = 40 \text{ psf}$, utilize 30 psf on this chart ($0.75 \times 40 = 30$). (Based on NBCC 2020).

CLIENT:



Head Office:
19045 - 24th Avenue
Surrey, B.C. V3Z 3S9
Tel. (604) 535-5316
www.metroaluminum.com

SERIES:

450 Series Strip Window

DRAWING TITLE:

WIND LOAD CHART FOR 452/353 Mullion

DRAWN BY:

JK

CHK'D BY:

JS

DATE:

13-Nov-25

ENGINEERING BY:



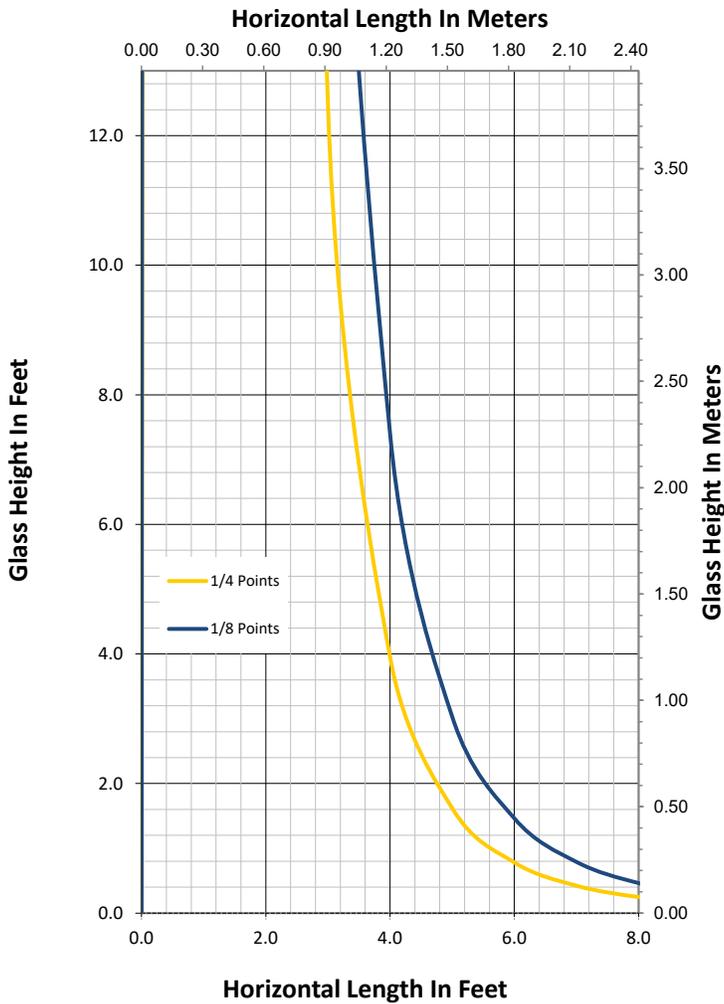
Unit 233-18525 53rd Avenue, Surrey, BC, Canada, V3S 7A4
Tel: 604-530-6611 | Fax: 604-530-6101 www.laytonconsulting.com

DWG. NO:

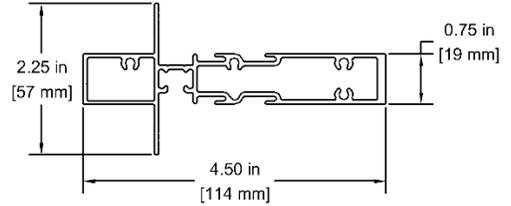
452/353

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_{yy}	$I_{yy} = 0.12 \text{ in}^4$
Section Modulus, S_{yy}	$S_{yy} = 0.11 \text{ in}^3$
Total Area	$A = 0.96 \text{ in}^2$

Modulus of Elasticity

Aluminum	10,000,000 PSI
Steel	29,000,000 PSI

GENERAL NOTES

1. Deflection Limit: 0.125" (3.2mm).
2. Charts are calculated assuming a 1" overall sealed unit (6mm/13mm spacer/6mm)
3. Calculations are based on the position of the setting blocks being placed at 1/4 or 1/8 points.

CLIENT:



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19045 - 24th Avenue
Surrey, B.C. V3Z 3S9
Tel. (604) 535-5316
www.metroaluminum.com

SERIES:

450 Series Strip Window

DRAWING TITLE:

DEAD LOAD CHART FOR 451 Mullion

DRAWN BY:

JK

CHK'D BY:

JS

DATE:

13-Nov-25

ENGINEERING BY:



Unit 233-18525 53rd Avenue, Surrey, BC, Canada, V3S 7A4
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DWG. NO:

451