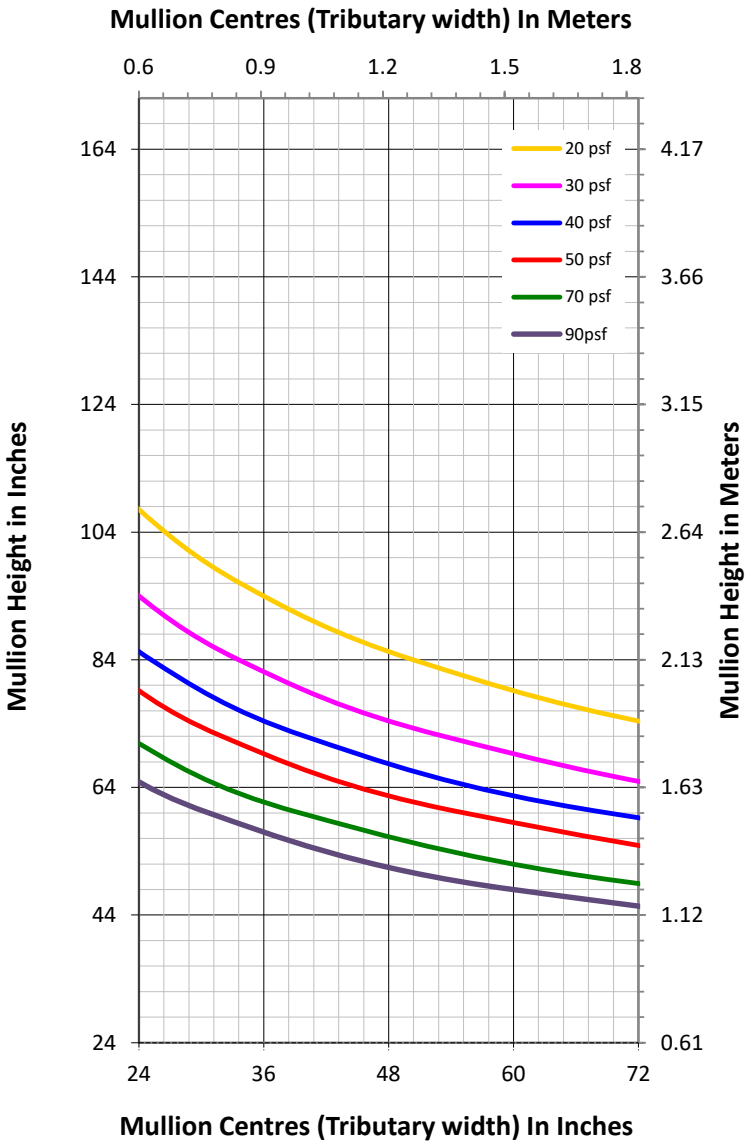
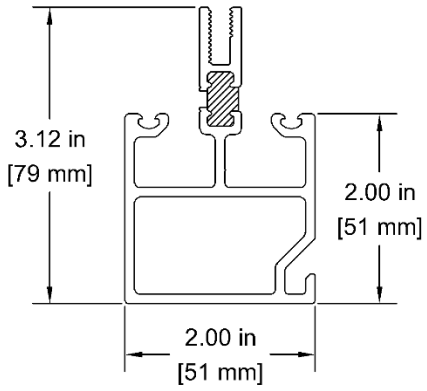
SPAN CHART

**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} = **0.95** in^4
Section Modulus, S_{xx}	S_{xx} = **0.52** in^3
Total Area	A = 1.23 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. The design pressure (psf) shall be determined using the controlling load combination of dead, wind, live, and snow loads as applicable.

CLIENT:

METRO ALUMINUM Products Ltd.

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

SERIES: 3400T Series Skylight

DRAWING TITLE: WIND LOAD CHART FOR 3420T Purlin

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

DRAWN BY:	CHK’D BY:	DATE:	DWG. NO:
JK	JS	13-Nov-25	3420

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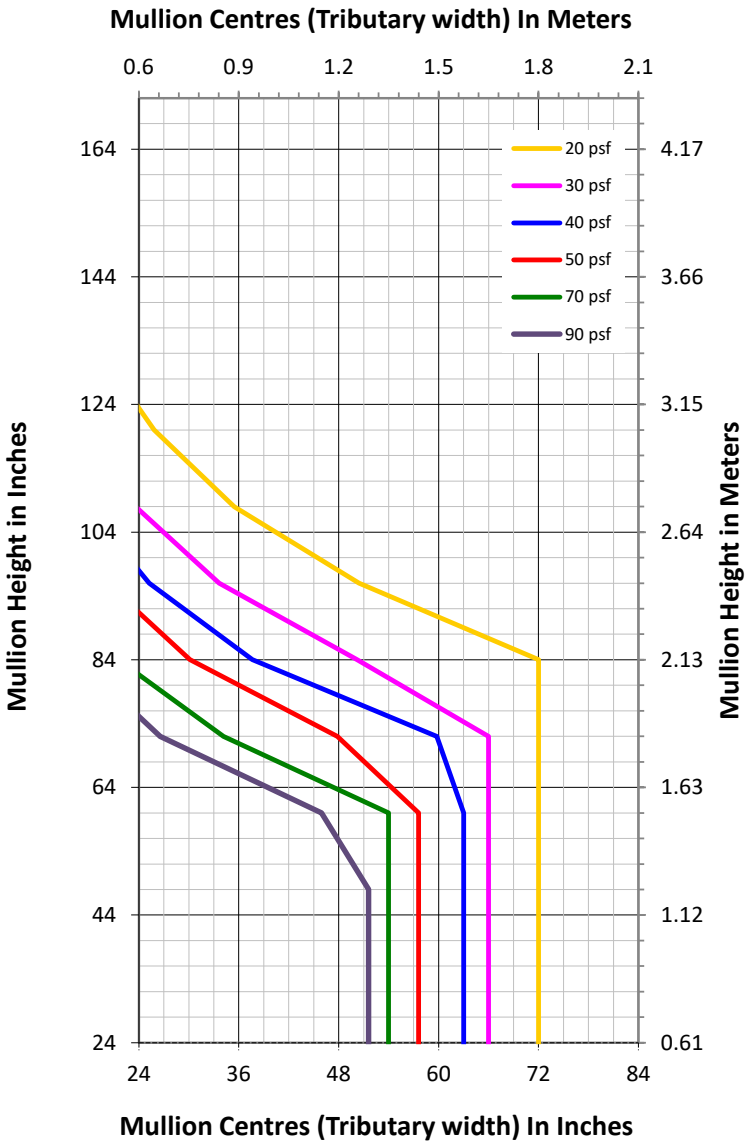

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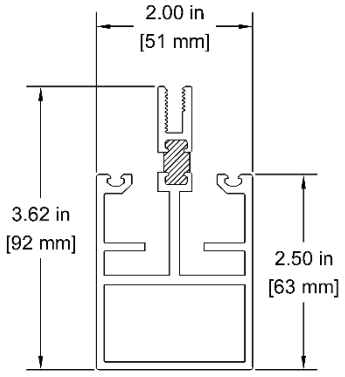

SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area	
Moment of Inertia, I_{xx}	I_{xx} = **1.41** in^4
Section Modulus, S_{xx}	S_{xx} = **0.61** in^3
Total Area	A = 1.51 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. The design pressure (psf) shall be determined using the controlling load combination of dead, wind, live, and snow loads as applicable.

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SERIES:
3400T Series Skylight

DRAWING TITLE:
WIND LOAD CHART FOR 3425T Rafter

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

DRAWN BY:	CHK’D BY:	DATE:	DWG. NO:
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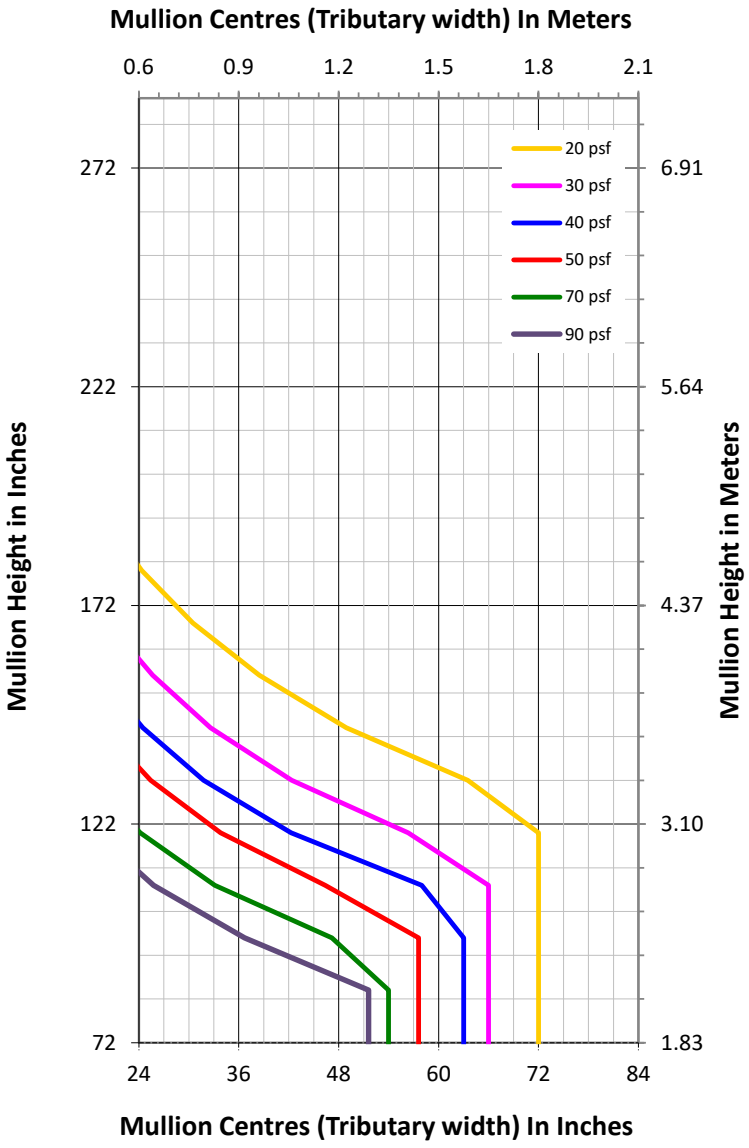

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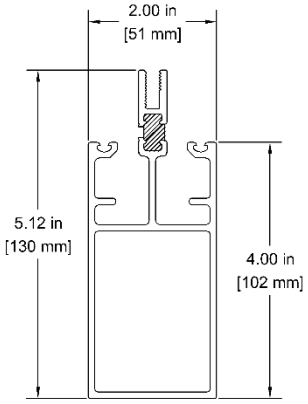

SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area	
Moment of Inertia, I_{xx}	I_{xx} = **4.62** in^4
Section Modulus, S_{xx}	S_{xx} = **1.20** in^3
Total Area	A = 1.92 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. The design pressure (psf) shall be determined using the controlling load combination of dead, wind, live, and snow loads as applicable.

CLIENT:

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Tel. (604) 535-5316
www.metroaluminum.com

SERIES:
3400T Series Skylight

DRAWING TITLE:
WIND LOAD CHART FOR 3440T Rafter

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

DRAWN BY:	CHK’D BY:	DATE:	DWG. NO:
JK	JS	13-Nov-25	3440T

SPAN CHART

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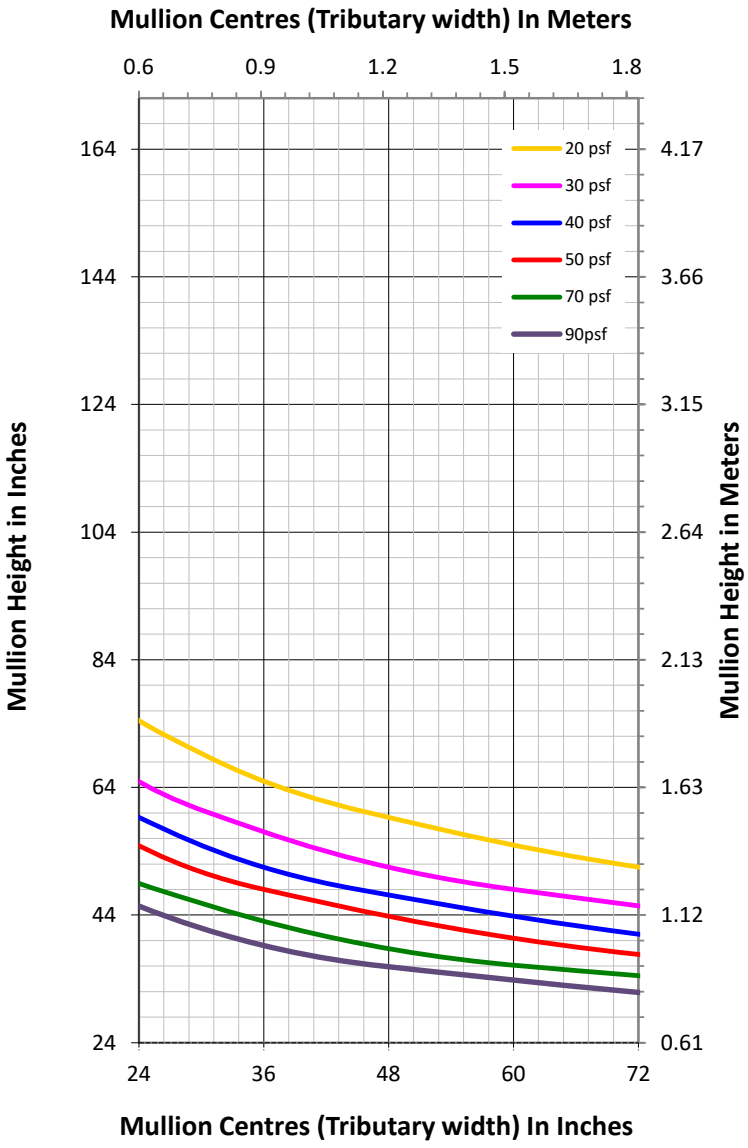

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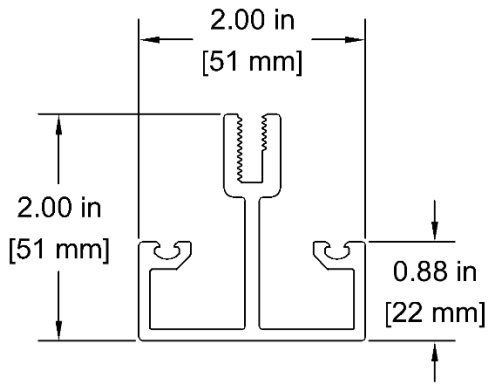

SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area	
Moment of Inertia, I_{xx}	I_{xx} = **0.32** in^4
Section Modulus, S_{xx}	S_{xx} = **0.26** in^3
Total Area	A = 0.84 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. The design pressure (psf) shall be determined using the controlling load combination of dead, wind, live, and snow loads as applicable.

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SERIES: 3400 Series Skylight

DRAWING TITLE: WIND LOAD CHART FOR 3415 Veneer

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

DRAWN BY:	CHK’D BY:	DATE:	DWG. NO:
JK	JS	13-Nov-25	3415

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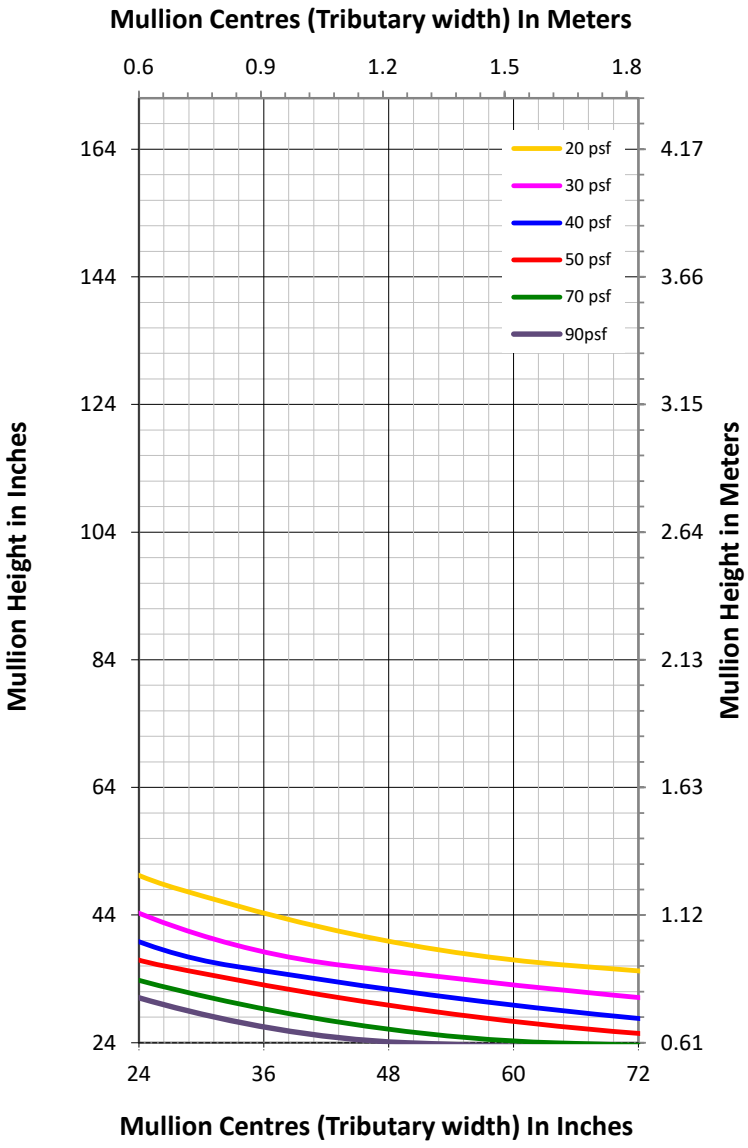

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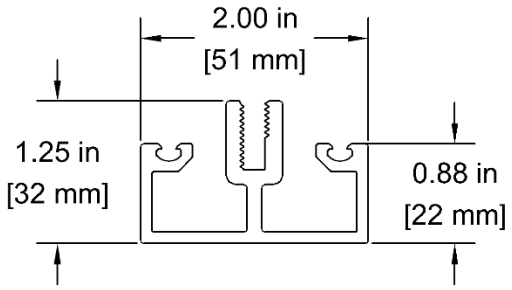

SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area	
Moment of Inertia, I_{xx}	I_{xx} = **0.10** in^4
Section Modulus, S_{xx}	S_{xx} = **0.13** in^3
Total Area	A = 0.75 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. The design pressure (psf) shall be determined using the controlling load combination of dead, wind, live, and snow loads as applicable.

CLIENT:

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SERIES: 3400 Series Skylight

DRAWING TITLE: WIND LOAD CHART FOR 3410 Veneer

ENGINEERING BY:

LAYTON CONSULTING LTD

Unit 233-18525 53rd Avenue, Surrey, BC, Canada, V3S 7A4
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JK	JS	13-Nov-25	3410