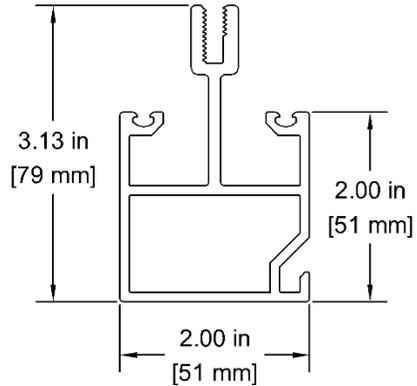
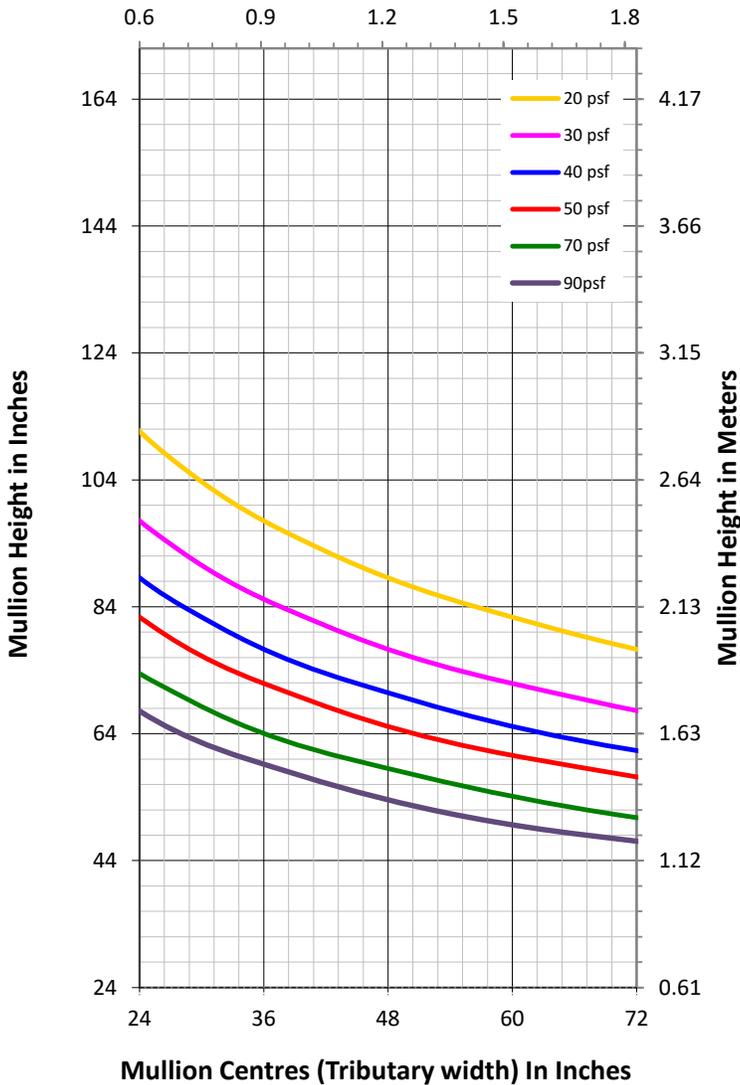


SPAN CHART

MULLION SECTION

**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



SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area

Moment of Inertia, I_{xx}	$I_{xx} = 1.06 \text{ in}^4$
Section Modulus, S_{xx}	$S_{xx} = 0.60 \text{ in}^3$
Total Area	$A = 1.28 \text{ in}^2$

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. The design pressure (psf) shall be determined using the controlling load combination of dead, wind, live, and snow loads as applicable.

CLIENT:



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

SERIES:

3400 Series Skylight

DRAWING TITLE:

WIND LOAD CHART FOR 3420 Purlin

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

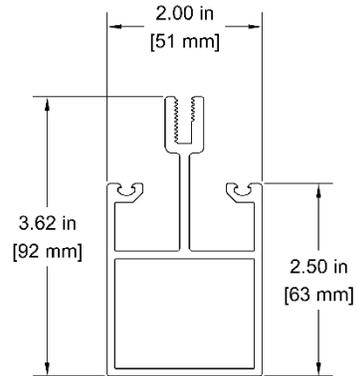
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3420

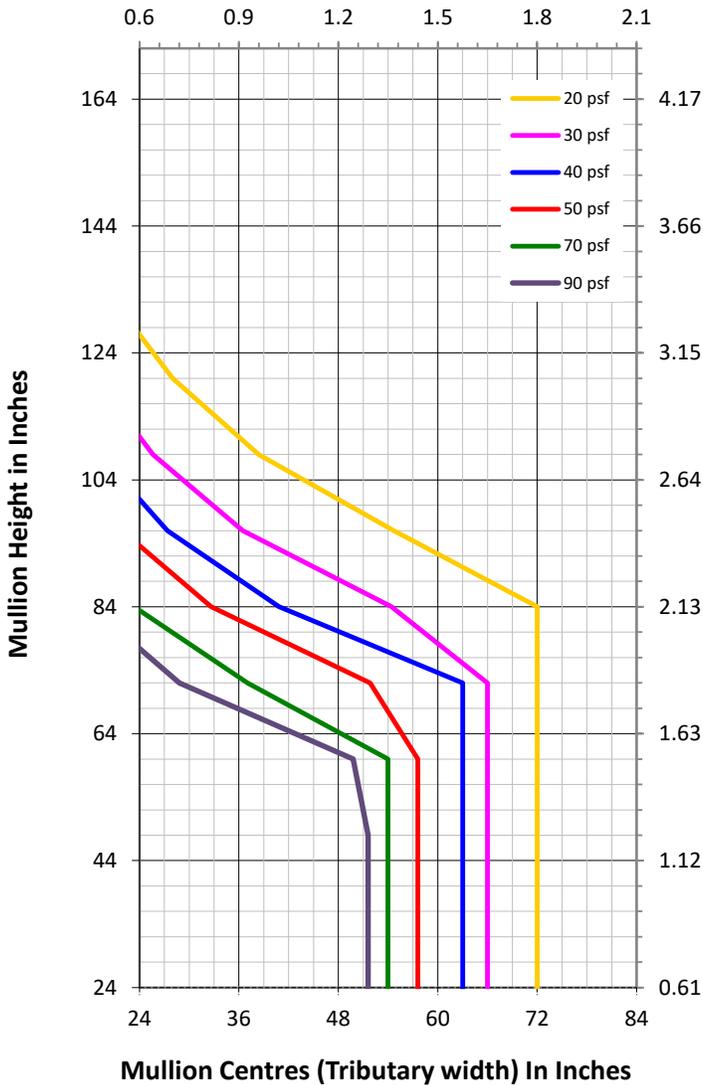
SPAN CHART

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Mullion Centres (Tributary width) In Meters



SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area

Moment of Inertia, I_{xx}	$I_{xx} = 1.53 \text{ in}^4$
Section Modulus, S_{xx}	$S_{xx} = 0.79 \text{ in}^3$
Total Area	$A = 1.36 \text{ in}^2$

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

SERIES:

3400 Series Skylight

DRAWING TITLE:

WIND LOAD CHART FOR 3425 Rafter

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

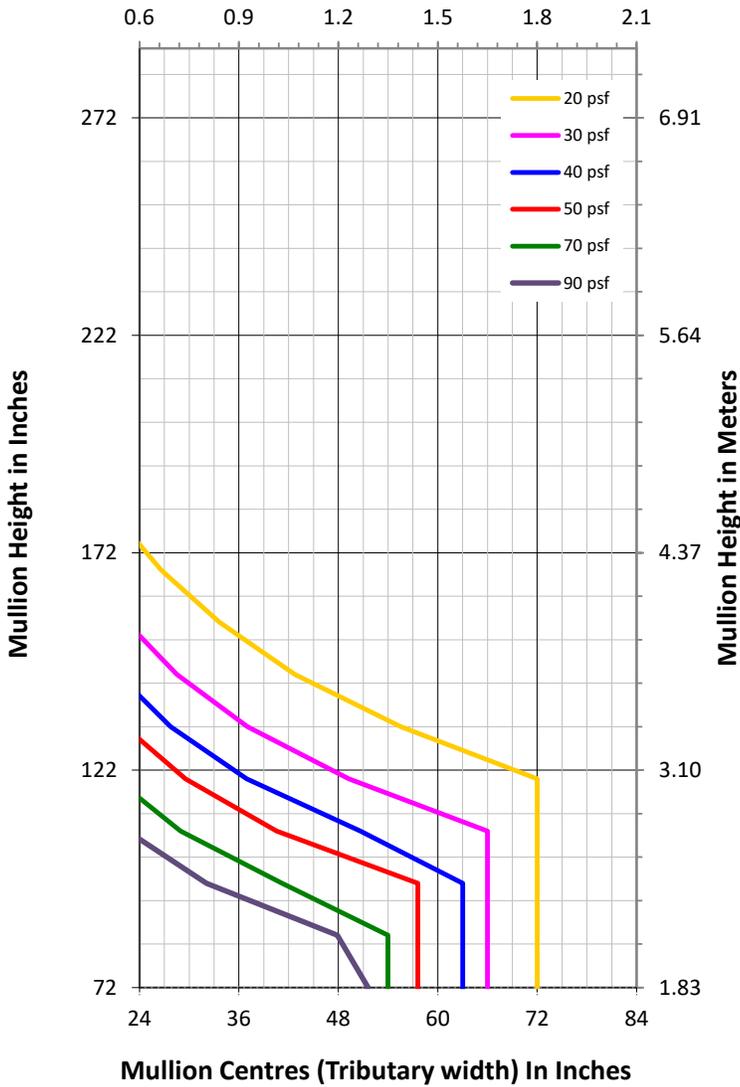
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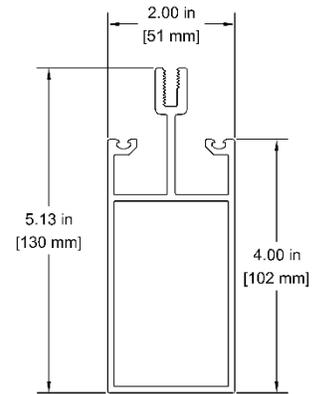
SPAN CHART

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Mullion Centres (Tributary width) In Meters



MULLION SECTION



SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area

Moment of Inertia, I_{xx}	$I_{xx} = 4.04 \text{ in}^4$
Section Modulus, S_{xx}	$S_{xx} = 1.57 \text{ in}^3$
Total Area	$A = 1.66 \text{ in}^2$

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

SERIES:

3400 Series Skylight

DRAWING TITLE:

WIND LOAD CHART FOR 3440 Rafter

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

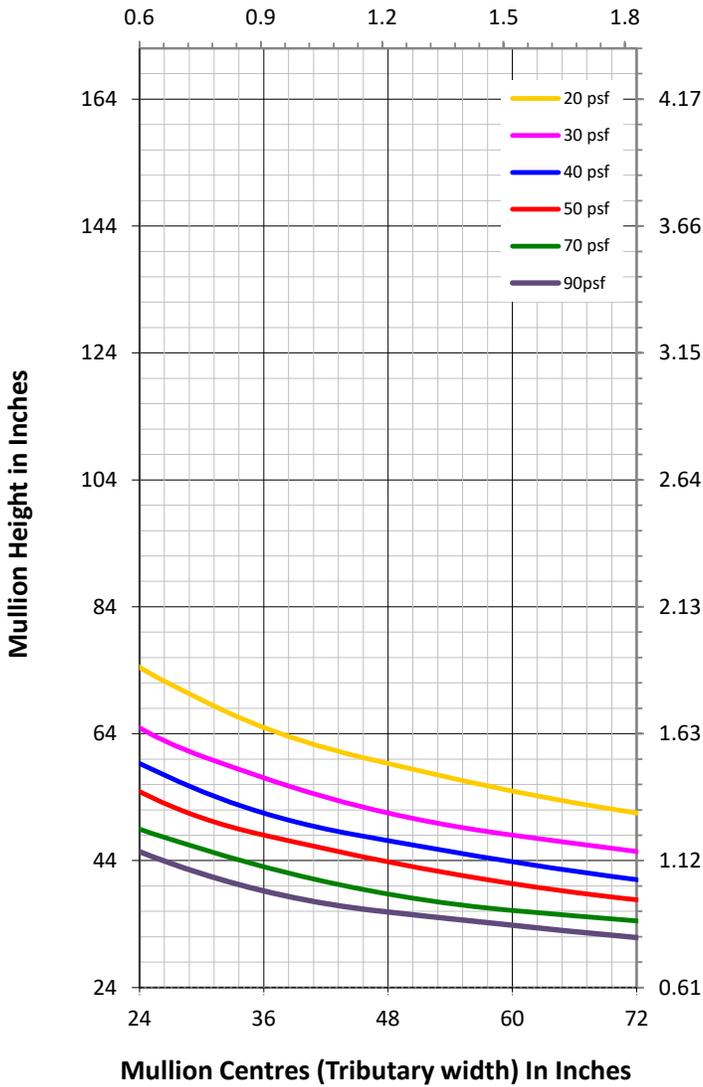
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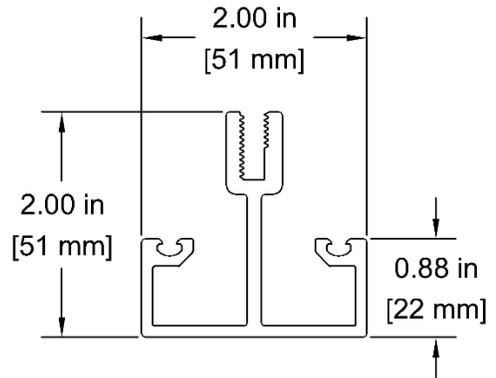
SPAN CHART

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Mullion Centres (Tributary width) In Meters



MULLION SECTION



SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area

Moment of Inertia, I_{xx}	$I_{xx} = 0.32 \text{ in}^4$
Section Modulus, S_{xx}	$S_{xx} = 0.26 \text{ in}^3$
Total Area	$A = 0.84 \text{ in}^2$

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. The design pressure (psf) shall be determined using the controlling load combination of dead, wind, live, and snow loads as applicable.

CLIENT:



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

SERIES:

3400 Series Skylight

DRAWING TITLE:

WIND LOAD CHART FOR 3415 Veneer

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

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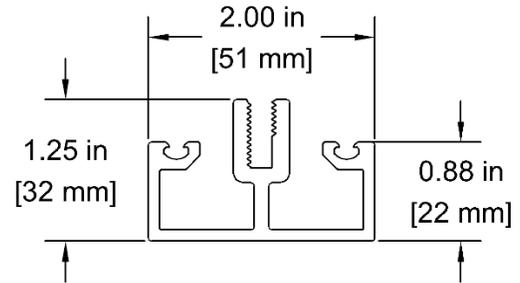
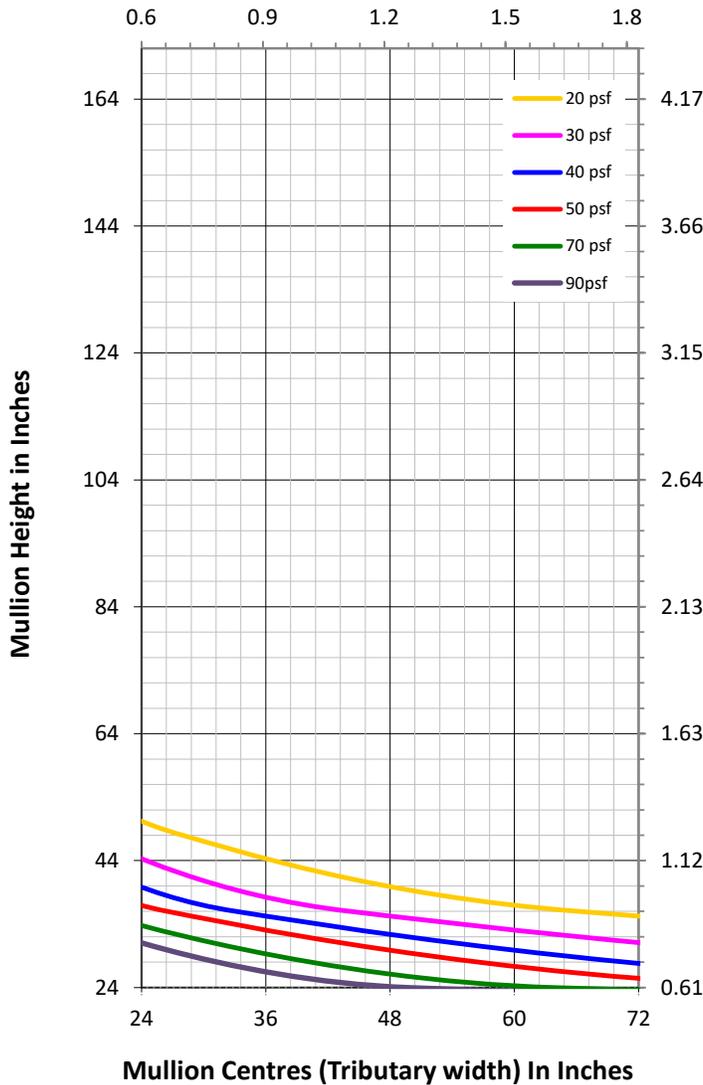
3415

SPAN CHART

MULLION SECTION

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Mullion Centres (Tributary width) In Meters



SYSTEM PROPERTIES

Moment of Inertia, Section Modulus & Area

Moment of Inertia, I_{xx}	$I_{xx} = 0.10 \text{ in}^4$
Section Modulus, S_{xx}	$S_{xx} = 0.13 \text{ in}^3$
Total Area	$A = 0.75 \text{ in}^2$

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

SERIES:

3400 Series Skylight

DRAWING TITLE:

WIND LOAD CHART FOR 3410 Veneer

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:

3410