

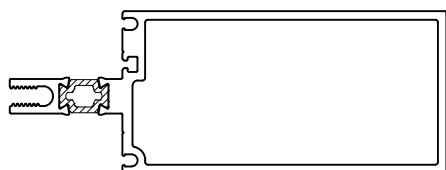
ThermaWall TW2200

Windload Charts

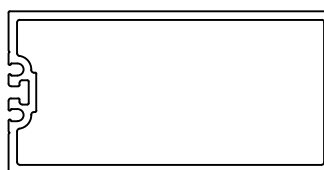
Graphiques des charges de vent

Windload charts are used for fenestration designs that incorporate the use of horizontals (Capped and SSG).

Les graphiques des charges de vent doivent être utilisés pour la conception de surface vitrée comportant l'utilisation de traverses horizontales (Système à couvercles à enclenchement ou VSS).



Capped
Couvercles à enclenchement



SSG
Système VSS

Windload Chart 1.7.101 - 1.7.112
Graphiques des charges de vent

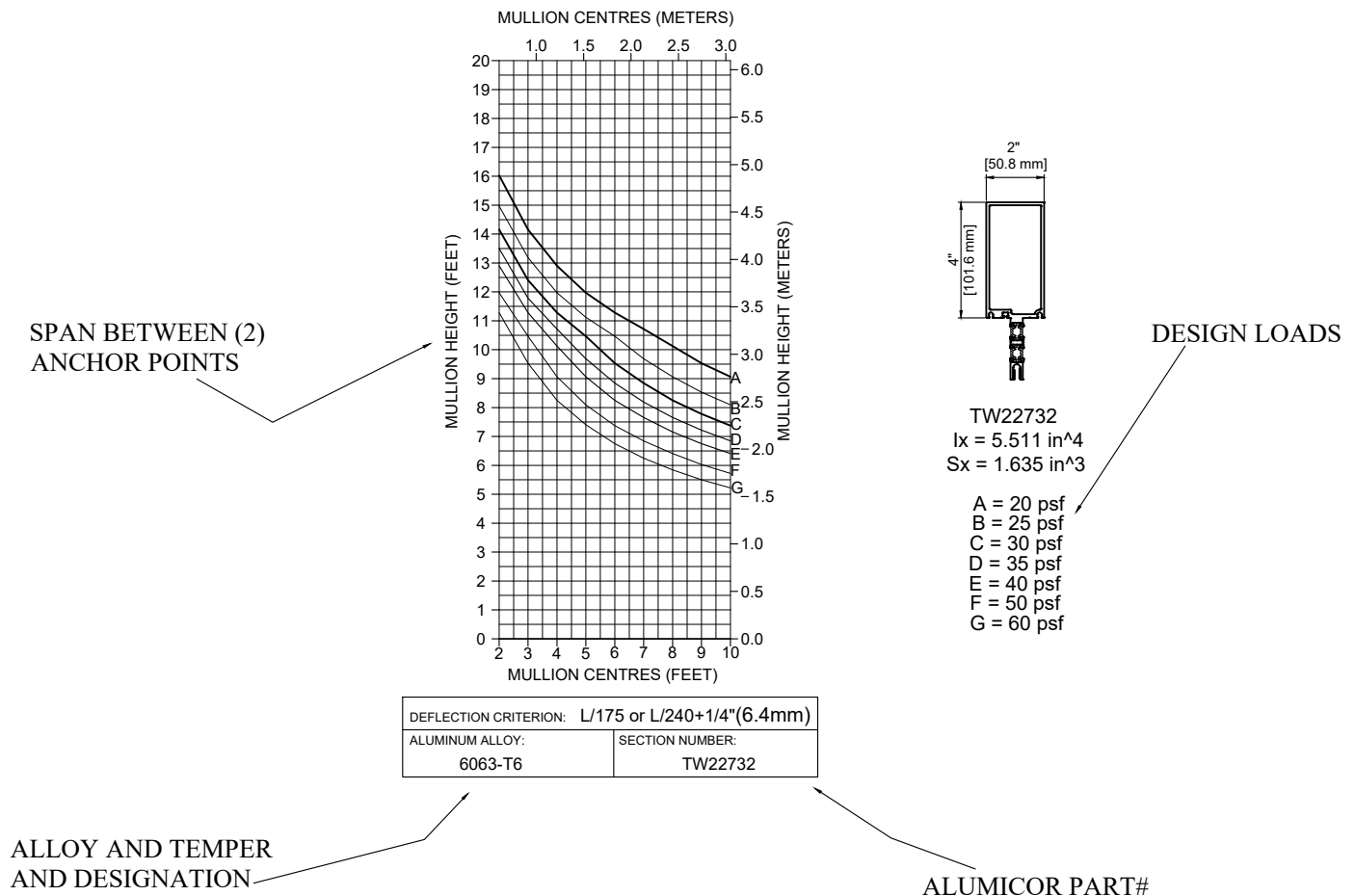
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Windload chart

THE FOLLOWING WINDLOAD CHARTS ARE TO BE USED FOR FENESTRATION DESIGNS THAT **INCORPORATE THE USE OF HORIZONTALS (CAPPED AND SSG)**. USER MUST PAY STRICT ATTENTION TO THE FOLLOWING:

- Curves represent limiting parameters based on the specified permissible deflection, allowable strength for the aluminum alloy as specified and a linear uniformly distributed load applied to a simply supported span. Reinforcement fastened using minimum #12 screws at maximum 12" (304.8mm) c.c. The charts should be used as a budget or design guide. For actual engineering purposes the structural properties of the mullions are shown as "ix" and "sx"
- The deflection criterion for these charts is $L/175$ or $L/240 + 1/4"$ (6.4 mm)

EXAMPLE:



Pour la version en français, veuillez voir la page : 1.7.102

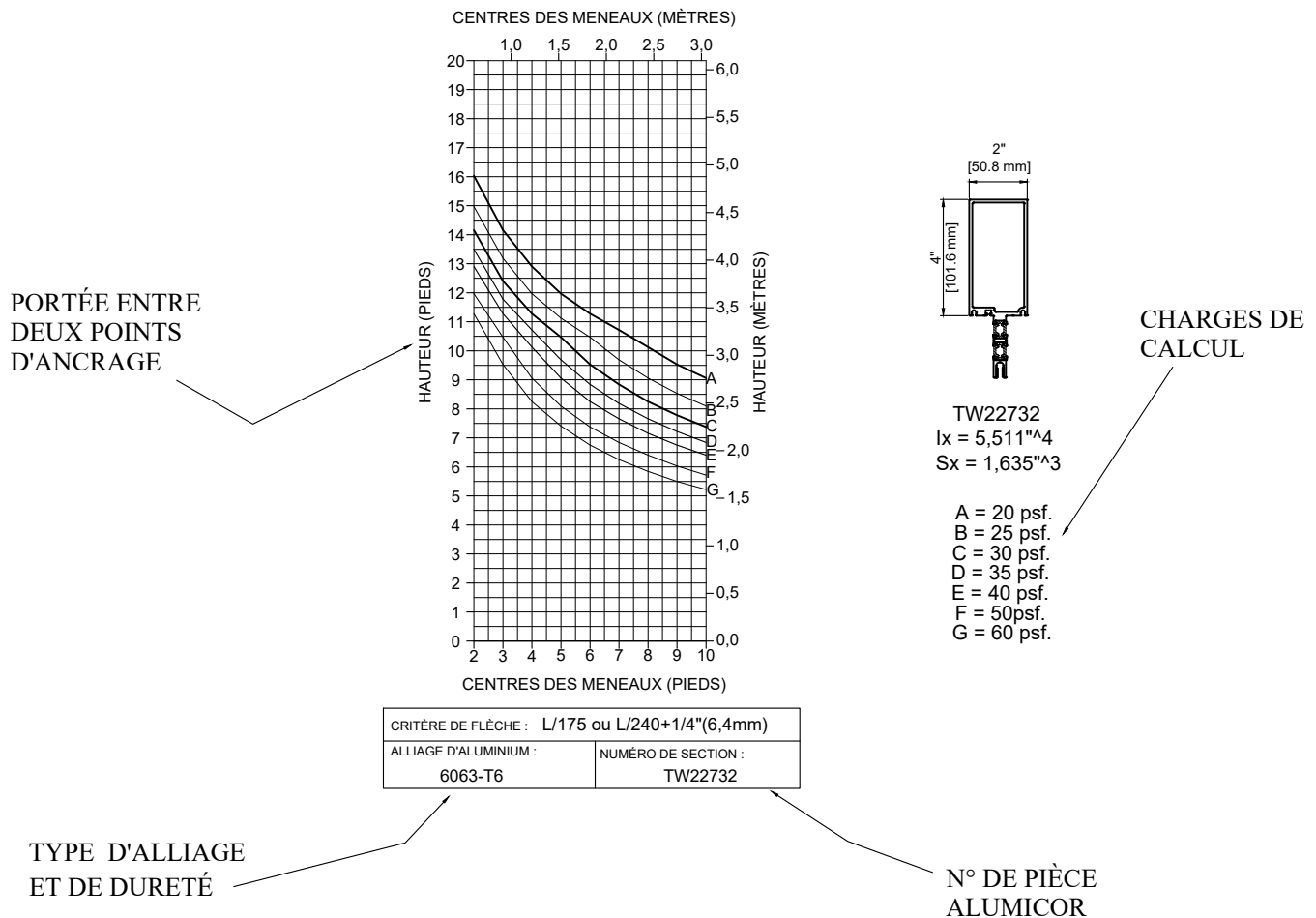
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Graphiques des charges de vent

LES GRAPHIQUES DES CHARGES DE VENT SUIVANTS DOIVENT ÊTRE UTILISÉS POUR LA CONCEPTION DE SURFACE VITRÉE **COMPORTANT L'UTILISATION DE TRAVERSES HORIZONTALES (SYSTÈME À COUVERCLES À ENCLenchement OU VSS)**. L'UTILISATEUR DOIT PORTER UNE ATTENTION PARTICULIÈRE AUX ÉLÉMENTS SUIVANTS :

- Les courbes représentent les paramètres limites basés sur la flèche admissible spécifiée, la force admissible pour l'alliage d'aluminium telle que spécifiée et une charge linéaire uniformément distribuée appliquée à une portée à support simple. Chaque renfort en acier sera fixé avec des vis # 12 minimum vissés au maximum 12" (305 mm) c/c.
- Les graphiques doivent servir de guide pour l'établissement du budget et de la conception. Pour les calculs d'ingénieur, les propriétés de structure des meneaux sont marquées « ix » et « sx ».
- La flèche admissible de ces graphiques est $L/175$ ou $L/240+1/4"$ (6,4 mm).

EXEMPLE :

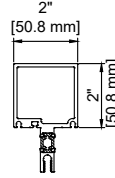
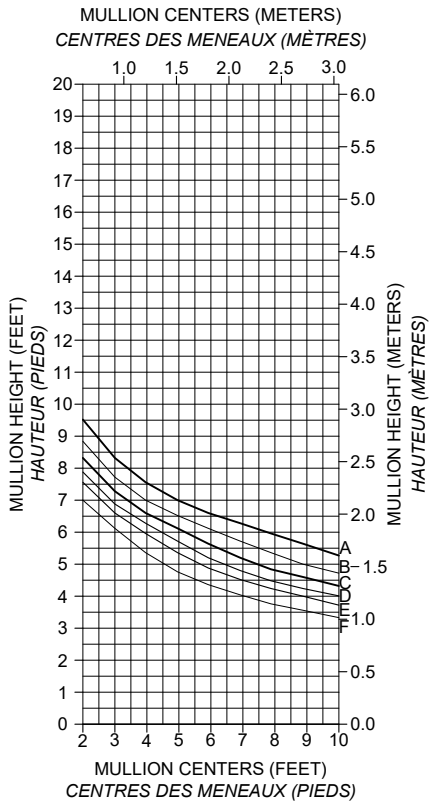


For English version please see page : 1.7.101

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Windload chart

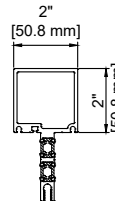
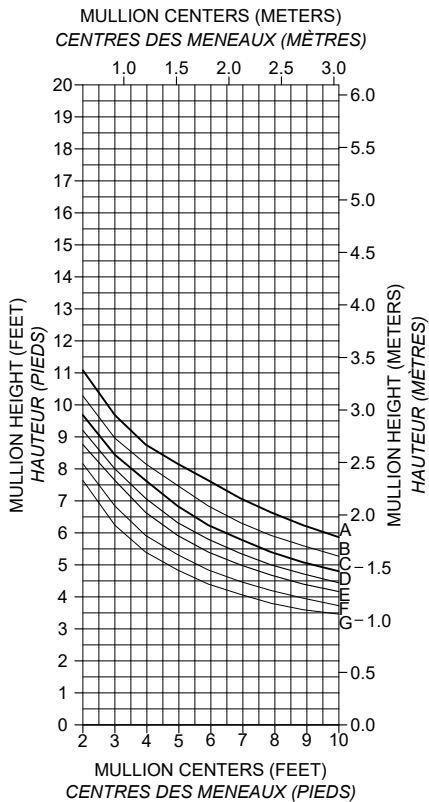
Graphiques des charges de vent



TW22720
 $I_x = 1.108 \text{ in}^4$
 $S_x = 0.569 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22720



TW22730
 $I_x = 1.743 \text{ in}^4$
 $S_x = 0.7025 \text{ in}^3$

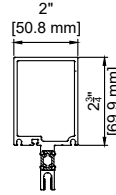
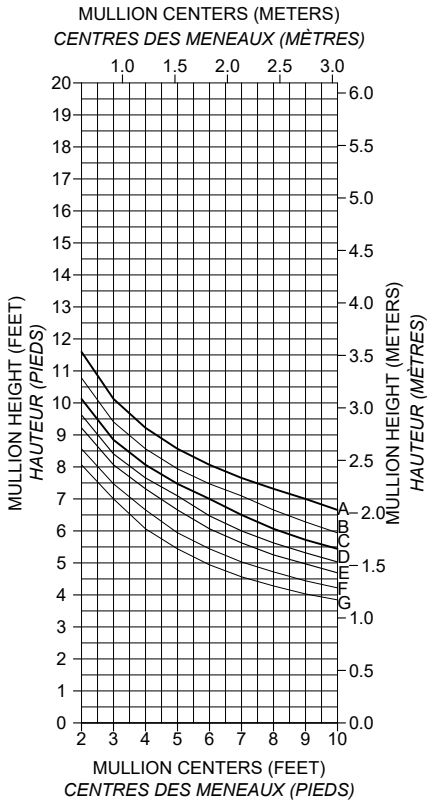
A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22730

ThermaWall TW2200

Windload chart

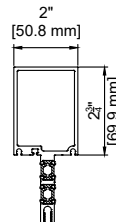
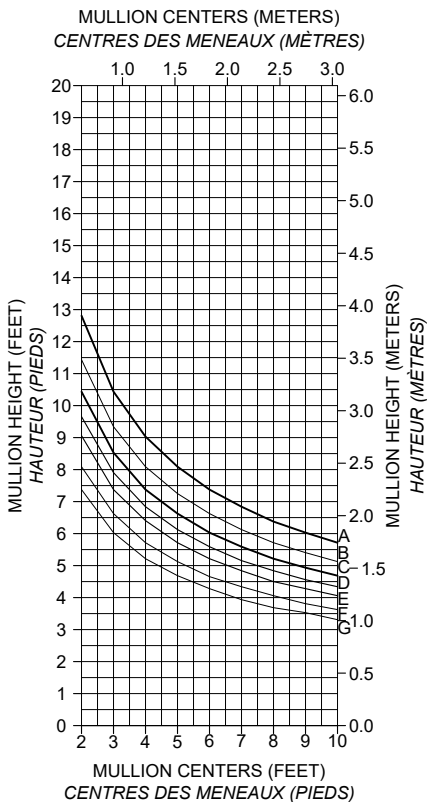
Graphiques des charges de vent



TW 22721
 $I_x = 2.001 \text{ in}^4$
 $S_x = 0.8812 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22721



TW22731
 $I_x = 2.818 \text{ in}^4$
 $S_x = 1.004 \text{ in}^3$

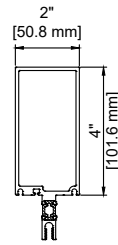
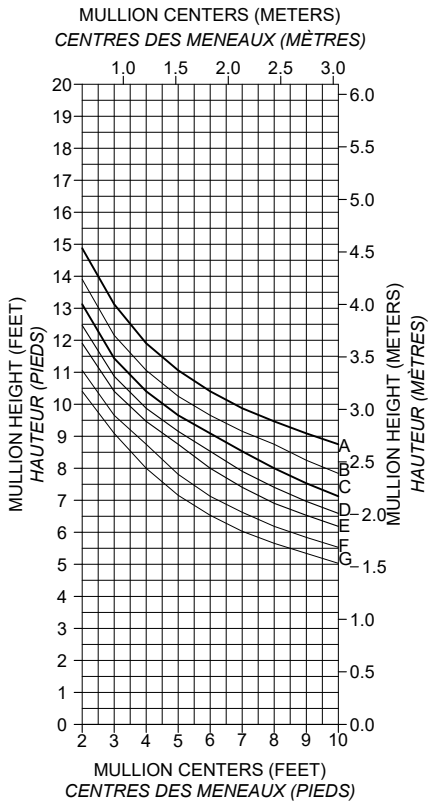
A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22731

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Windload chart

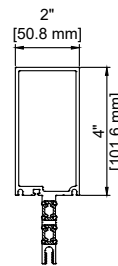
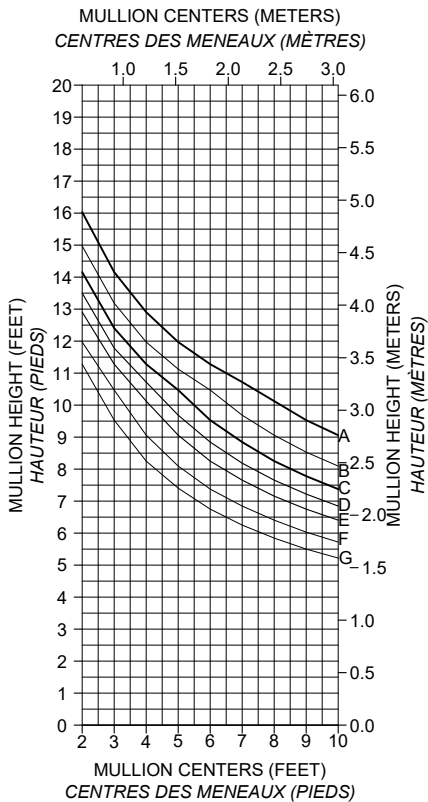
Graphiques des charges de vent



TW22722
 $I_x = 4.327 \text{ in}^4$
 $S_x = 1.526 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22722



TW22732
 $I_x = 5.511 \text{ in}^4$
 $S_x = 1.635 \text{ in}^3$

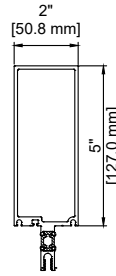
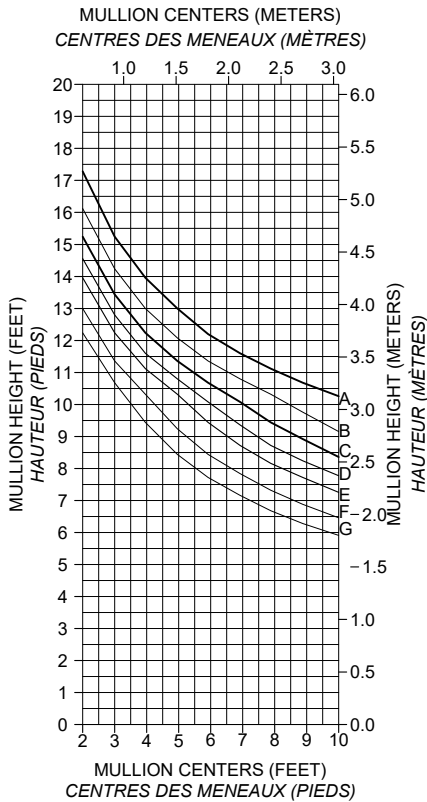
A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22732

ThermaWall TW2200

Windload chart

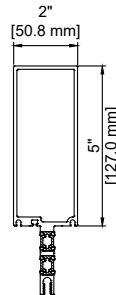
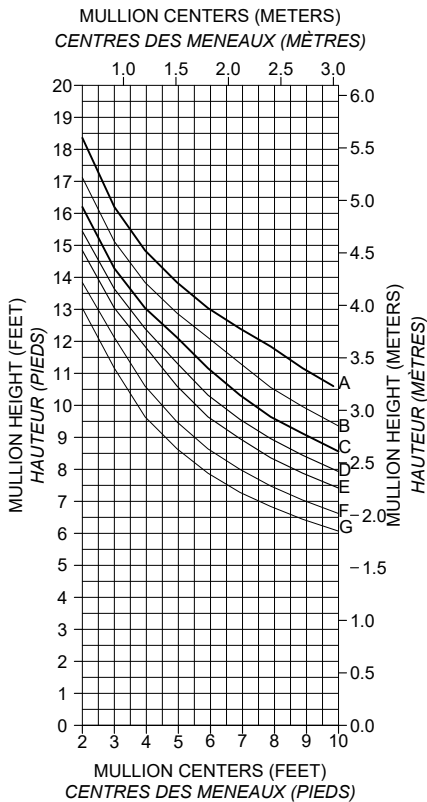
Graphiques des charges de vent



TW22723
 $I_x = 7.071 \text{ in}^4$
 $S_x = 2.143 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22723



TW22733
 $I_x = 8.591 \text{ in}^4$
 $S_x = 2.241 \text{ in}^3$

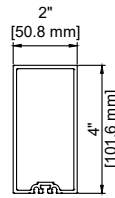
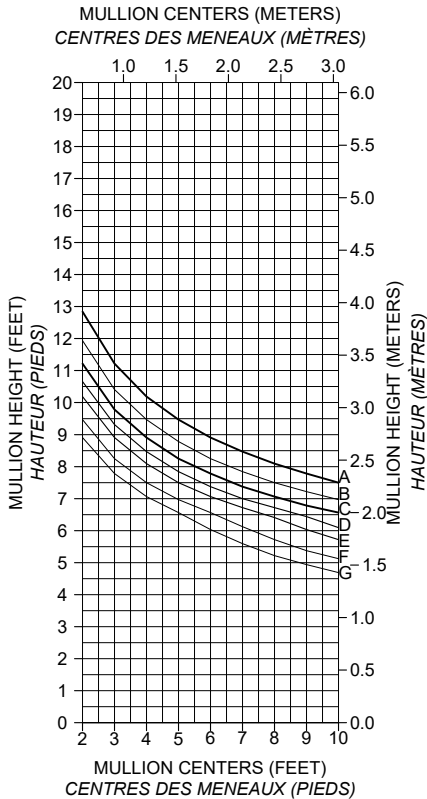
A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22733

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Windload chart

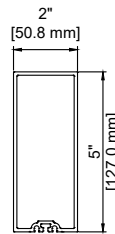
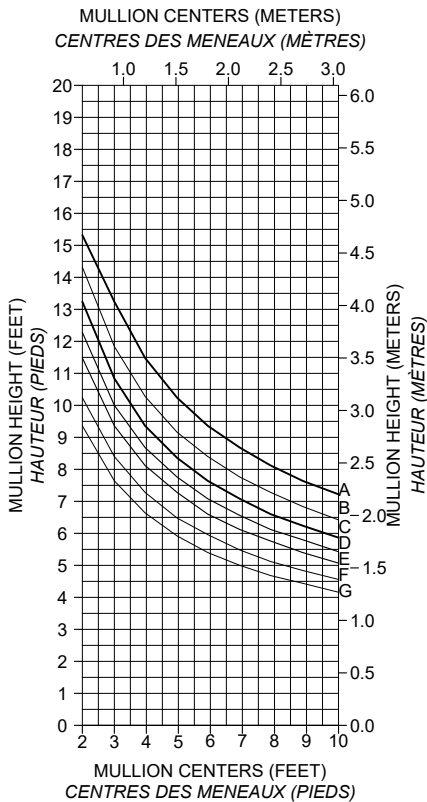
Graphiques des charges de vent



TW22714
 $I_x = 2.71 \text{ in}^4$
 $S_x = 1.304 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: L/175 OR L/240 + 1/4"(6.4mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22714



TW22715
 $I_x = 4.725 \text{ in}^4$
 $S_x = 1.826 \text{ in}^3$

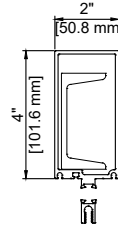
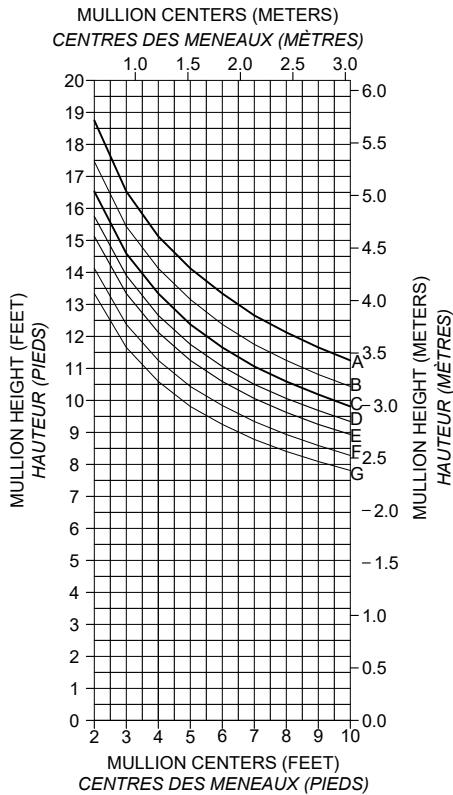
A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: L/175 OR L/240 + 1/4"(6.4mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22715

ThermaWall TW2200

Windload chart

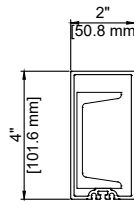
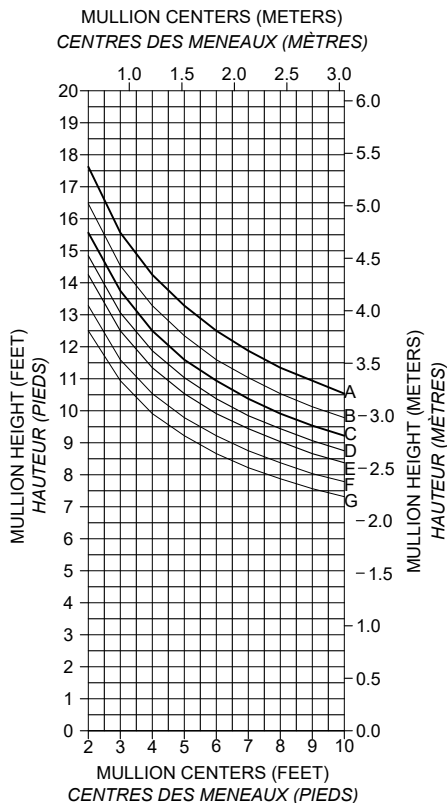
Graphiques des charges de vent



TW22722
 $I_x = 4.327 \text{ in}^4$
 $S_x = 1.526 \text{ in}^3$
 $C3 \times 4.1 \text{ lb/ft}$
 $I_x = 1.600 \text{ in}^4$
 $S_x = 1.100 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22722



TW22714
 $I_x = 2.71 \text{ in}^4$
 $S_x = 1.304 \text{ in}^3$
 $C3 \times 4.1 \text{ lb/ft}$
 $I_x = 1.600 \text{ in}^4$
 $S_x = 1.100 \text{ in}^3$

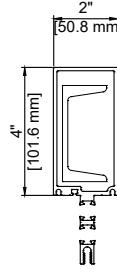
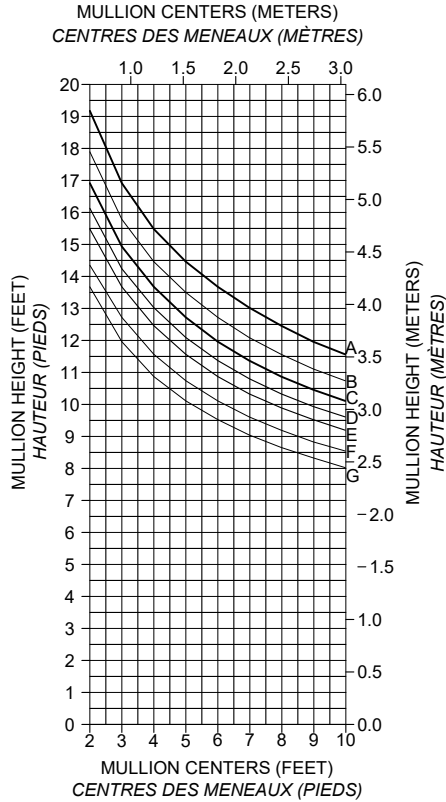
A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22714

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Windload chart

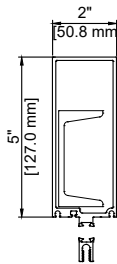
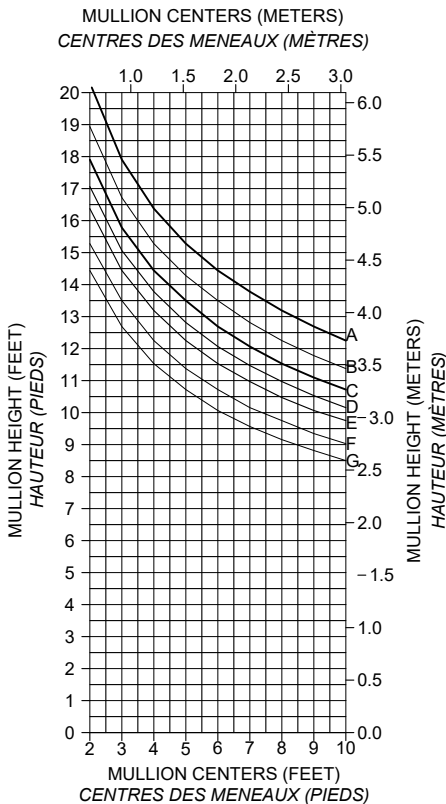
Graphiques des charges de vent



TW22732
 $I_x = 5.511 \text{ in}^4$
 $S_x = 1.635 \text{ in}^3$
 $C3 \times 4.1 \text{ lb/ft}$
 $I_x = 1.600 \text{ in}^4$
 $S_x = 1.100 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}" (6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22732



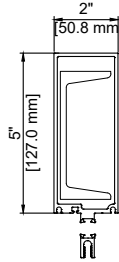
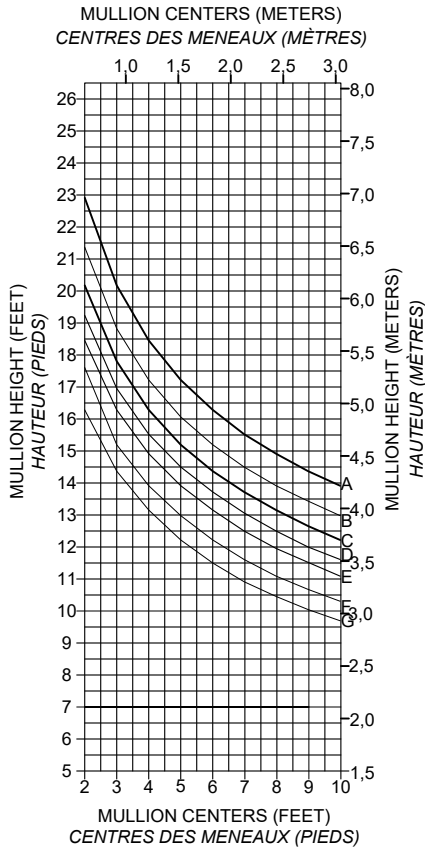
TW22723
 $I_x = 7.071 \text{ in}^4$
 $S_x = 2.143 \text{ in}^3$
 $C4 \times 5.4 \text{ lb/ft}$
 $I_x = 3.800 \text{ in}^4$
 $S_x = 1.900 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}" (6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22723

ThermaWall TW2200

Windload chart
Graphiques des charges de vent



TW22723
 $I_x = 7.071 \text{ in}^4$
 $S_x = 2.143 \text{ in}^3$
 $C4 \times 5.4 \text{ lb/ft}$
 $I_x = 3.800 \text{ in}^4$
 $S_x = 1.900 \text{ in}^3$

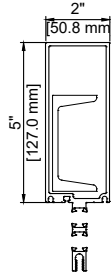
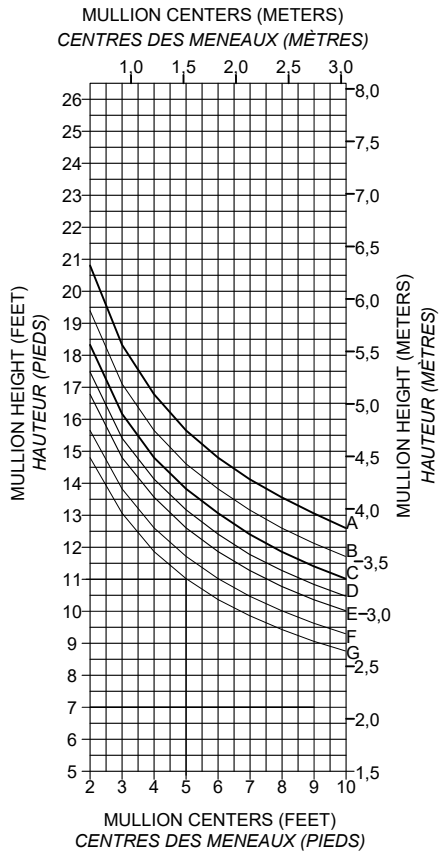
A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22723

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Windload chart

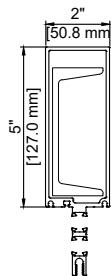
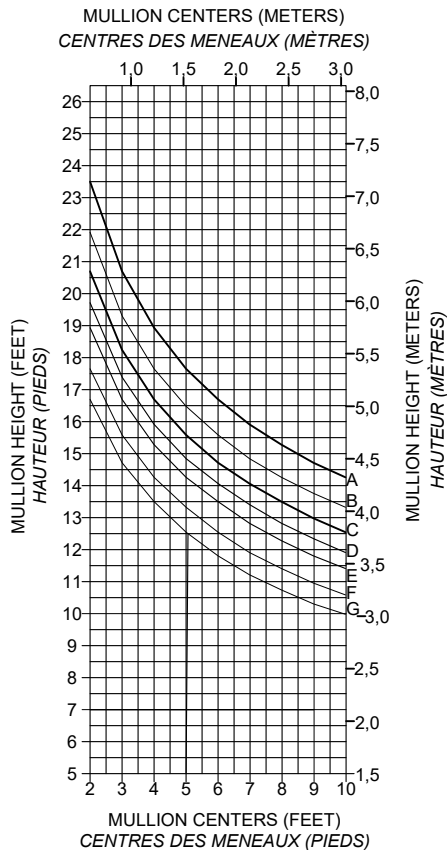
Graphiques des charges de vent



TW22733
 $I_x = 8.591 \text{ in}^4$
 $S_x = 2.241 \text{ in}^3$
 C3x4.1 lb/ft
 $I_x = 1.600 \text{ in}^4$
 $S_x = 1.100 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22733



TW22733
 $I_x = 8.591 \text{ in}^4$
 $S_x = 2.241 \text{ in}^3$
 C4x5.4 lb/ft
 $I_x = 3.800 \text{ in}^4$
 $S_x = 1.900 \text{ in}^3$

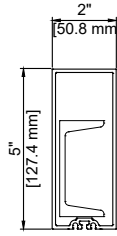
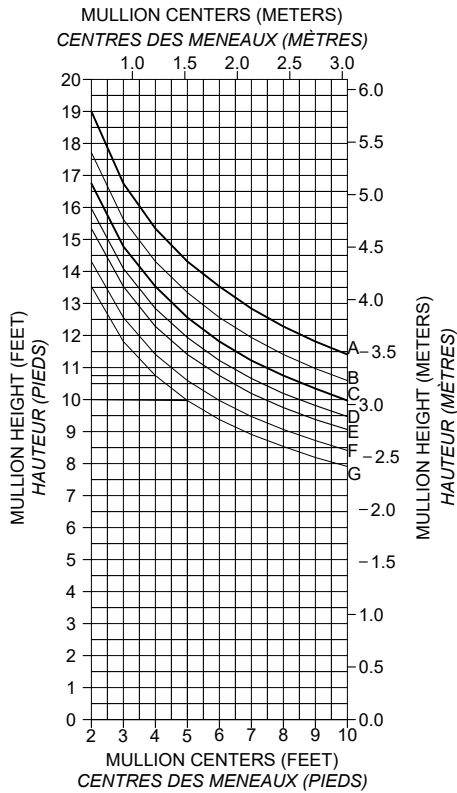
A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22733

ThermaWall TW2200

Windload chart

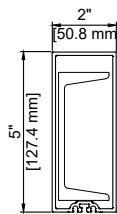
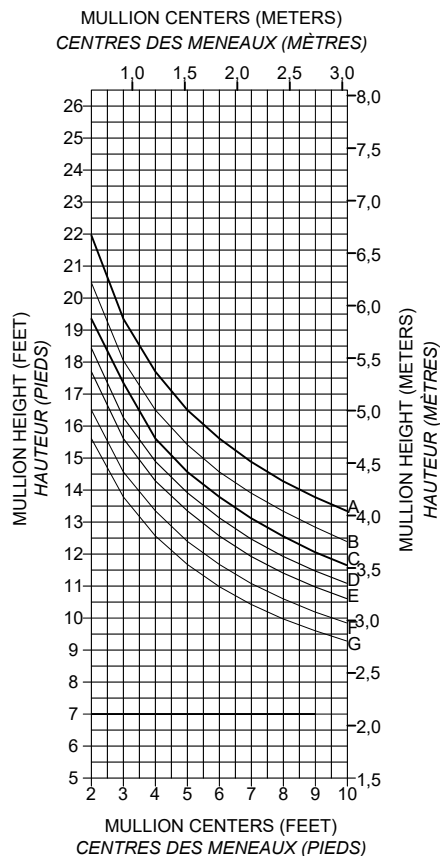
Graphiques des charges de vent



TW22715
 $I_x = 4.725 \text{ in}^4$
 $S_x = 1.826 \text{ in}^3$
 $C3 \times 4.1 \text{ lb/ft}$
 $I_x = 1.600 \text{ in}^4$
 $S_x = 1.100 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22715



TW22715
 $I_x = 4.725 \text{ in}^4$
 $S_x = 1.826 \text{ in}^3$
 $C4 \times 5.4 \text{ lb/ft}$
 $I_x = 3.800 \text{ in}^4$
 $S_x = 1.900 \text{ in}^3$

A = 20 psf
 B = 25 psf
 C = 30 psf
 D = 35 psf
 E = 40 psf
 F = 50 psf
 G = 60 psf

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $L/175$ OR $L/240 + \frac{1}{4}"(6.4\text{mm})$	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22715

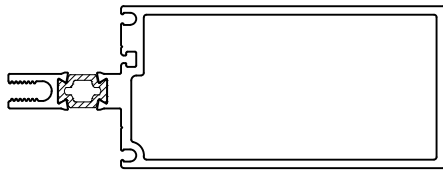
ThermaWall TW2200

Deadload Charts

Graphiques des charges de permanente

Deadload charts are used for window fenestration designs that incorporate horizontals which are located above a fixed lite.

Les graphiques de charge permanente doivent être utilisés pour la conception de mur-rideau comportant des traverses horizontales situées au-dessus des sections vitrées fixes.



Capped
Couvercles à enclenchement



SSG
Système VSS

Deadload Chart 1.8.101 - 1.8.122
Graphique de charge permanente

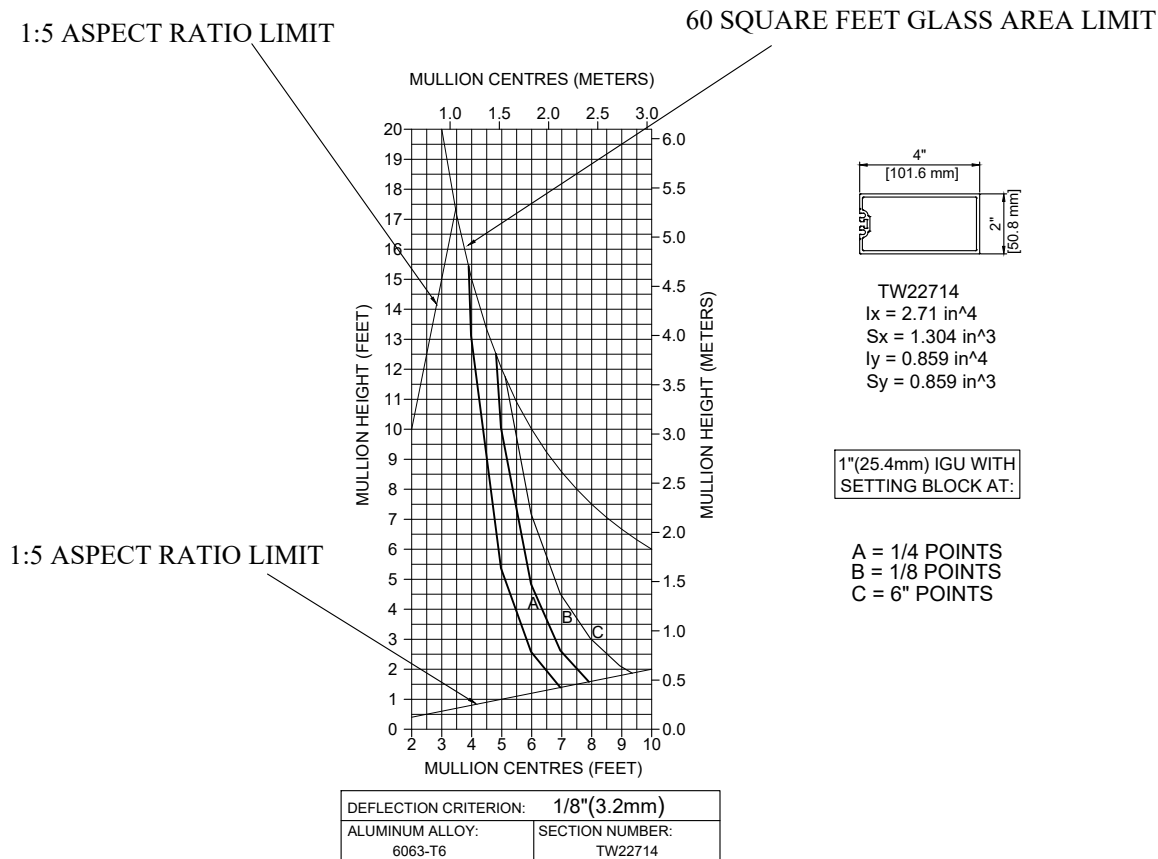
ThermaWall TW2200

Deadload chart

THE FOLLOWING DEADLOAD CHARTS ARE TO BE USED FOR WINDOW FENESTRATION DESIGNS THAT **INCORPORATE HORIZONTALS WHICH ARE LOCATED ABOVE A FIXED LITE**. USER MUST PAY STRICT ATTENTION TO THE FOLLOWING:

- Curves represent limiting parameters based on the specified permissible deflection, allowable strength for the aluminum alloy as specified, two point deadload and a trapezoidal windload applied to a simply supported span.
- Maximum windload will be as per the sections windload chart or a maximum that may be shown as indicated at the setting block points on individual charts (see example)
- The charts should be used as a budget or design guide. For actual engineering purposes the structural properties of the mullions are shown as "ix, sx, ly, sy"
- The deflection criterion for these charts is .125" (3.2 mm)
- It is strongly recommended that design parameters fall within the 1:5 aspect ratio and 60 sq/ft glass area limit as noted on the charts.
- Glazing is presumed to be a 1" (25.4 mm) insulating glass unit comprised of two 1/4" (6.4 mm) lites of glass.

EXAMPLE:



Pour la version en français, veuillez voir la page: 1.8.102

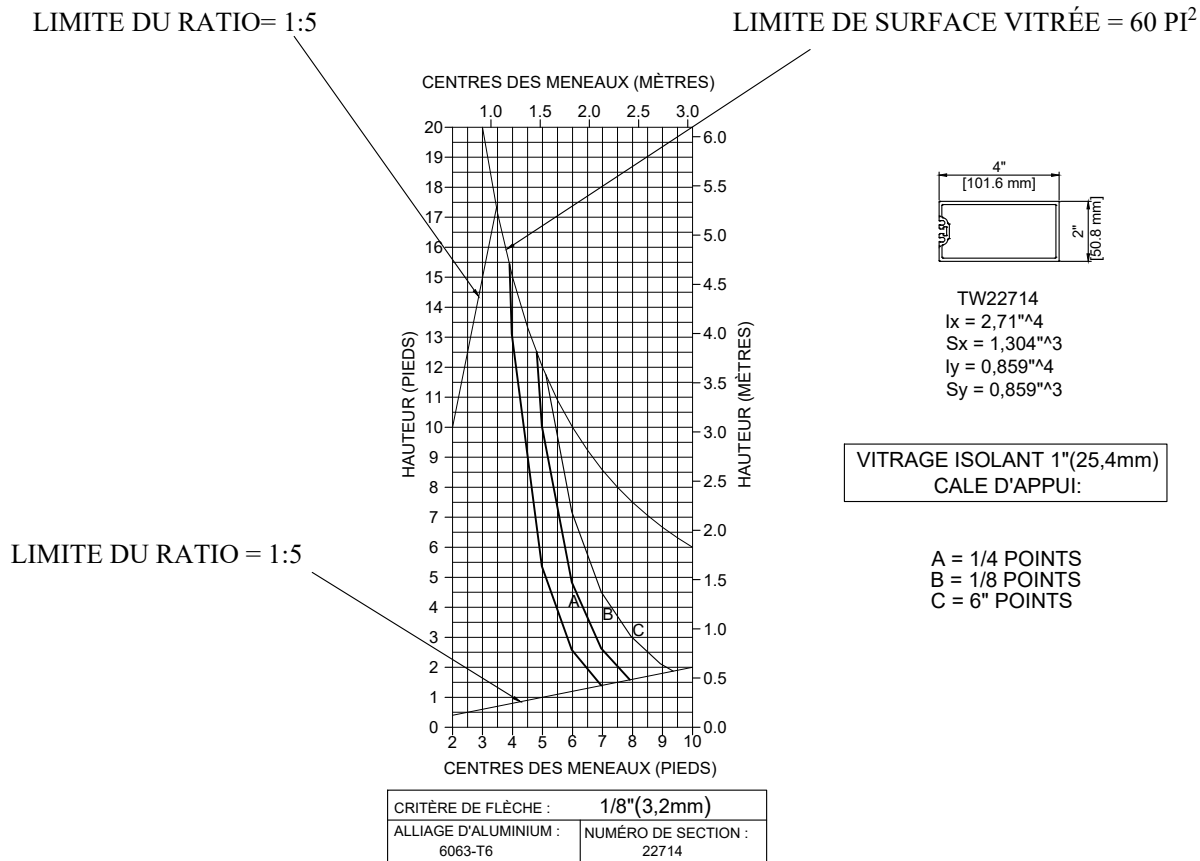
ThermaWall TW2200

Graphiques des charges de permanente

LES GRAPHIQUES DE CHARGE PERMANENTE SUIVANTS DOIVENT ÊTRE UTILISÉS POUR LA CONCEPTION DE MUR-RIDEAU **COMPORTANT DES TRAVERSES HORIZONTALES SITUÉES AU-DESSUS DE LA SECTIONS VITRÉES FIXES**. L'UTILISATEUR DOIT PORTER UNE ATTENTION TOUTE PARTICULIÈRE AUX DIRECTIVES SUIVANTES :

- Les courbes représentent les paramètres limites fondés sur la flèche admissible définie, la contrainte admissible de l'alliage d'aluminium définie, une charge permanente sur deux points et une charge de vent trapézoïdale appliquée à une portée simple.
- La charge de vent maximale doit être conforme aux indications du graphique de charge de vent pour les sections ou au maximum indiqué aux points des cales d'appui spécifiés dans les graphiques individuels (voir l'exemple).
- Les graphiques doivent être utilisés comme guide pour l'établissement du budget ou pour la conception architecturale. Aux fins d'ingénierie réelle, les propriétés structurelles des meneaux sont indiquées par les valeurs i_x , s_x , i_y et s_y .
- Le critère de flèche pour ces graphiques est de 0,125" (3,2 mm).
- On recommande fortement que les paramètres de conception respectent pour la forme un ratio de 1:5 et de 60 pieds carrés pour la limite de surface vitrées, tel qu'indiqué dans les graphiques.
- On tient pour acquis que le vitrage est constitué de panneaux de vitrage isolant d'une épaisseur de 1" (25,4mm) composés de deux parois de verre d'une épaisseur de 1/4" (6,4 mm) chacune.

EXEMPLE :

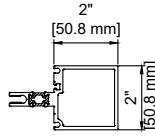
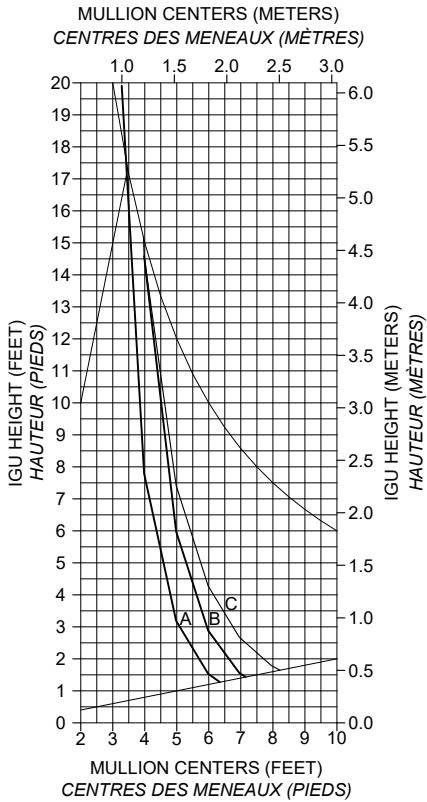


For English version please see page: 1.8.101

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente



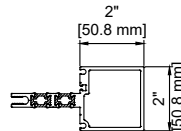
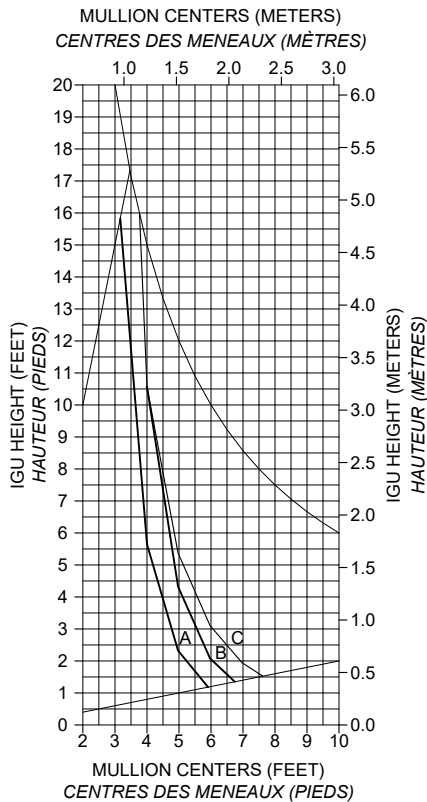
TW22720
 $I_x = 1.108 \text{ in}^4$
 $S_x = 0.569 \text{ in}^3$
 $I_y = 0.51051 \text{ in}^4$
 $S_y = 0.504 \text{ in}^3$

6mm/6mm GLAZING 1"(25.4mm)
 IGU WITH SETTING BLOCK AT:

6mm/6mm VITRAGE ISOLANT
 1"(25,4mm) CALE D'APPUI À :

A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: 1/8"(3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22720



TW22730
 $I_x = 1.743 \text{ in}^4$
 $S_x = 0.7025 \text{ in}^3$
 $I_y = 0.5138 \text{ in}^4$
 $S_y = 0.5095 \text{ in}^3$

6mm/6mm/6mm GLAZING 1 3/4"(44.5mm)
 IGU WITH SETTING BLOCK AT:

6mm/6mm/6mm VITRAGE ISOLANT
 1 3/4"(44,5mm) CALE D'APPUI À :

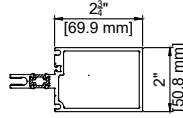
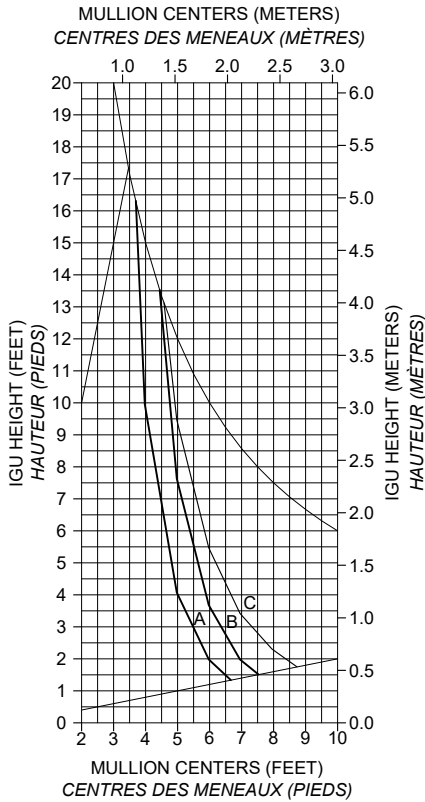
A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: 1/8"(3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22730

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente



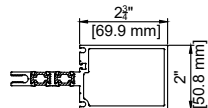
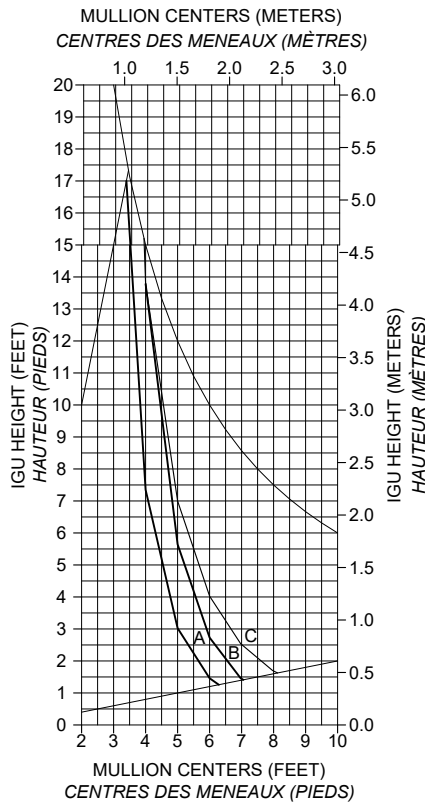
TW22721
 $I_x = 2.001 \text{ in}^4$
 $S_x = 0.8812 \text{ in}^3$
 $I_y = 0.6522 \text{ in}^4$
 $S_y = 0.6449 \text{ in}^3$

6mm/6mm GLAZING 1"(25.4mm)
 IGU WITH SETTING BLOCK AT:

6mm/6mm VITRAGE ISOLANT
 1"(25,4mm) CALE D'APPUI À :

A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: 1/8" (3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22721



TW22731
 $I_x = 2.818 \text{ in}^4$
 $S_x = 1.004 \text{ in}^3$
 $I_y = 0.6578 \text{ in}^4$
 $S_y = 0.6532 \text{ in}^3$

6mm/6mm/6mm GLAZING 1 3/4"(44.5mm)
 IGU WITH SETTING BLOCK AT:

6mm/6mm/6mm VITRAGE ISOLANT
 1 3/4"(44,5mm) CALE D'APPUI À :

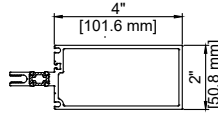
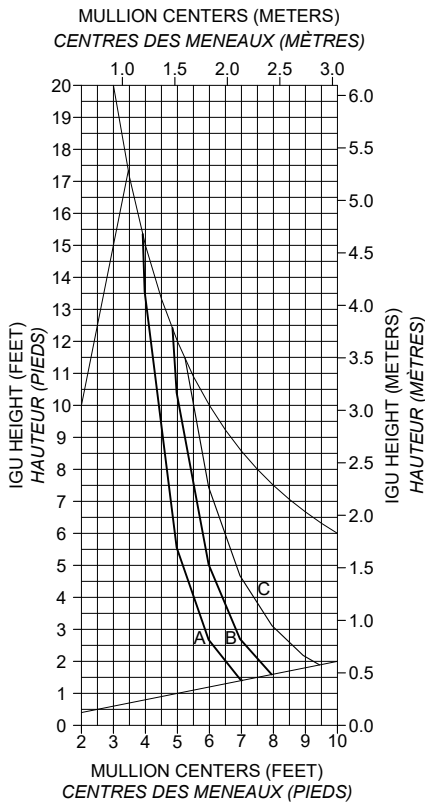
A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: 1/8" (3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22731

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente



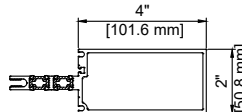
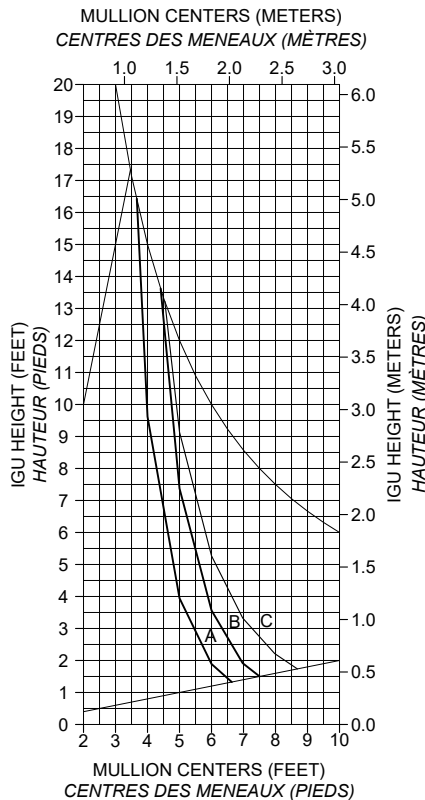
TW22722
 $I_x = 4.327 \text{ in}^4$
 $S_x = 1.526 \text{ in}^3$
 $I_y = 0.8883 \text{ in}^4$
 $S_y = 0.8802 \text{ in}^3$

6mm/6mm GLAZING 1"(25.4mm)
 IGU WITH SETTING BLOCK AT:

6mm/6mm VITRAGE ISOLANT
 1"(25,4mm) CALE D'APPUI À :

A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $\frac{1}{8}"$ (3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22722



TW22732
 $I_x = 5.511 \text{ in}^4$
 $S_x = 1.635 \text{ in}^3$
 $I_y = 0.8952 \text{ in}^4$
 $S_y = 0.89 \text{ in}^3$

6mm/6mm/6mm GLAZING 1 3/4"(44.5mm)
 IGU WITH SETTING BLOCK AT:

6mm/6mm/6mm VITRAGE ISOLANT
 1 3/4"(44,5mm) CALE D'APPUI À :

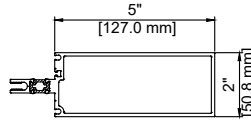
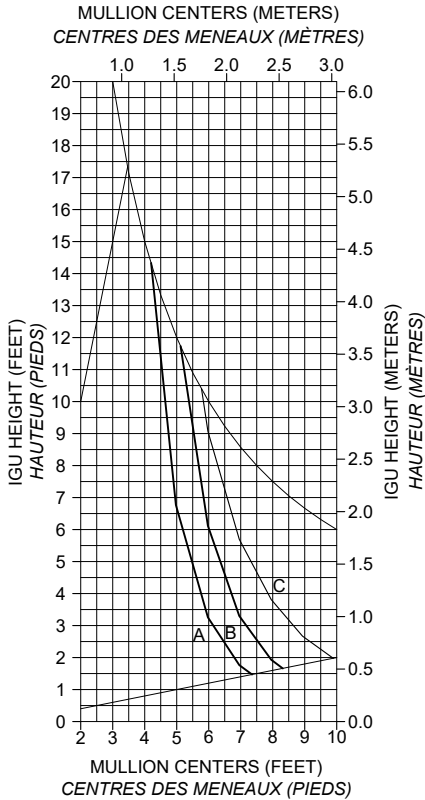
A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $\frac{1}{8}"$ (3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22732

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente



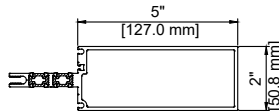
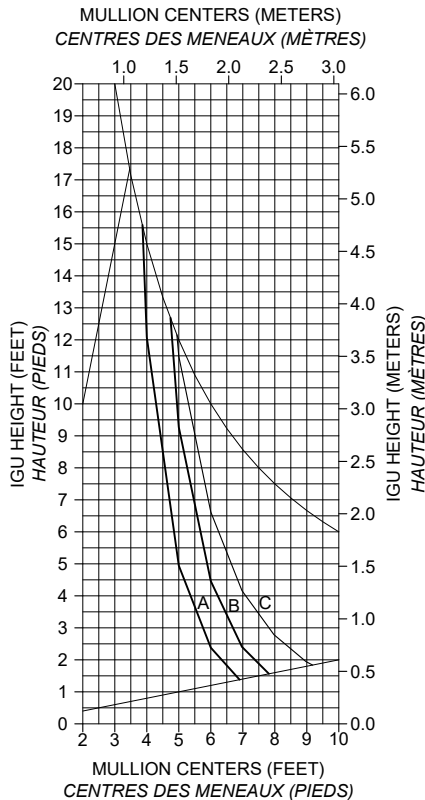
TW22723
 $I_x = 7.071 \text{ in}^4$
 $S_x = 2.143 \text{ in}^3$
 $I_y = 1.083 \text{ in}^4$
 $S_y = 1.074 \text{ in}^3$

6mm/6mm GLAZING 1"(25.4mm)
 IGU WITH SETTING BLOCK AT:

6mm/6mm VITRAGE ISOLANT
 1"(25,4mm) CALE D'APPUI À :

A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $\frac{1}{8}$ "(3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22723



TW22733
 $I_x = 8.591 \text{ in}^4$
 $S_x = 2.241 \text{ in}^3$
 $I_y = 1.08 \text{ in}^4$
 $S_y = 1.074 \text{ in}^3$

6mm/6mm/6mm GLAZING 1 3/4"(44.5mm)
 IGU WITH SETTING BLOCK AT:

6mm/6mm/6mm VITRAGE ISOLANT
 1 3/4"(44,5mm) CALE D'APPUI À :

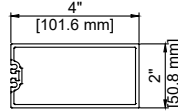
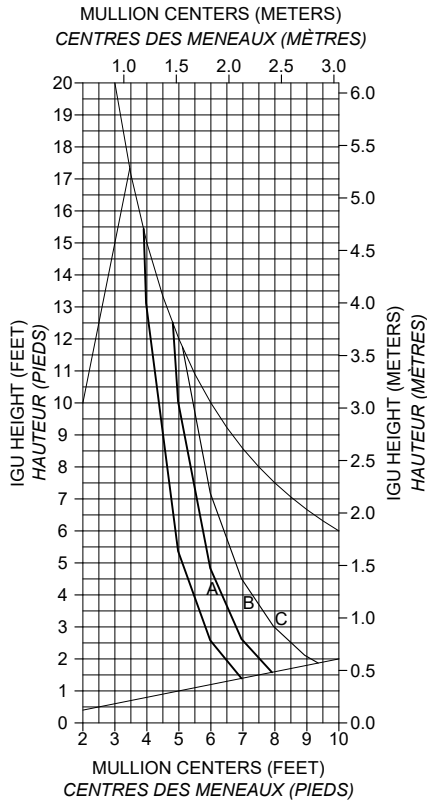
A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $\frac{1}{8}$ "(3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22733

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

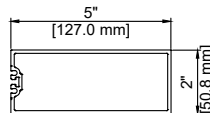
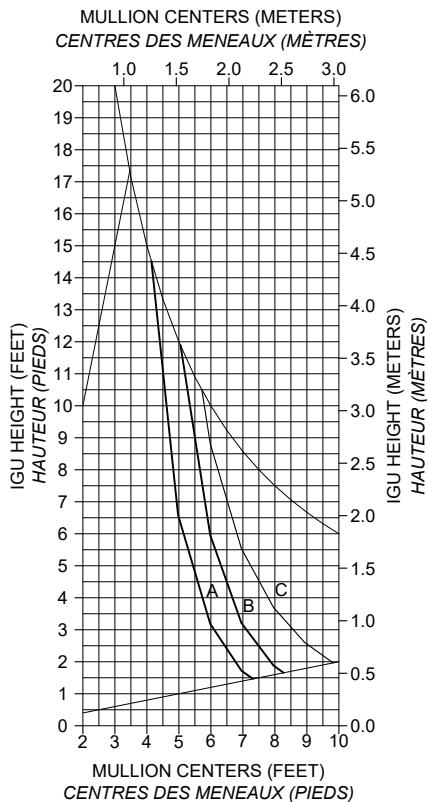


TW22714
 $I_x = 2.71 \text{ in}^4$
 $S_x = 1.304 \text{ in}^3$
 $I_y = 0.859 \text{ in}^4$
 $S_y = 0.859 \text{ in}^3$

6mm/6mm GLAZING 1"(25.4mm)
 IGU WITH SETTING BLOCK AT:
 6mm/6mm VITRAGE ISOLANT
 1"(25,4mm) CALE D'APPUI À :

A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $\frac{1}{8}$ "(3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22714



TW22715
 $I_x = 4.725 \text{ in}^4$
 $S_x = 1.826 \text{ in}^3$
 $I_y = 1.049 \text{ in}^4$
 $S_y = 1.049 \text{ in}^3$

6mm/6mm GLAZING 1"(25.4mm)
 IGU WITH SETTING BLOCK AT:
 6mm/6mm VITRAGE ISOLANT
 1"(25,4mm) CALE D'APPUI À :

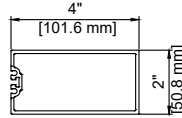
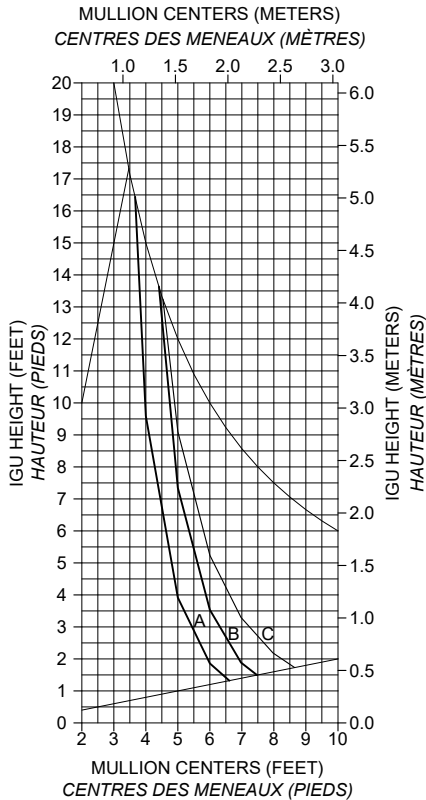
A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: $\frac{1}{8}$ "(3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22715

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

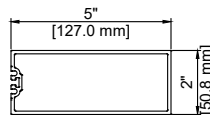
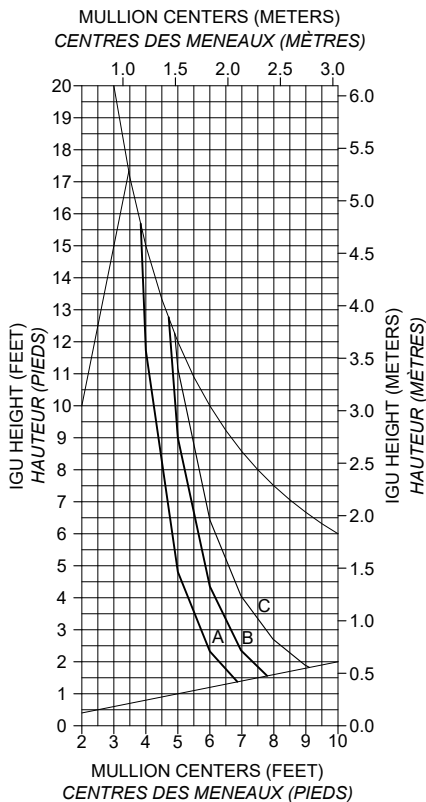


TW22714
 $I_x = 2.71 \text{ in}^4$
 $S_x = 1.304 \text{ in}^3$
 $I_y = 0.859 \text{ in}^4$
 $S_y = 0.859 \text{ in}^3$

6mm/6mm/6mm GLAZING 1 3/4"(44.5mm)
 IGU WITH SETTING BLOCK AT:
 6mm/6mm/6mm VITRAGE ISOLANT
 1 3/4"(44,5mm) CALE D'APPUI À :

A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: 1/8"(3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22714



TW22715
 $I_x = 4.725 \text{ in}^4$
 $S_x = 1.826 \text{ in}^3$
 $I_y = 1.049 \text{ in}^4$
 $S_y = 1.049 \text{ in}^3$

6mm/6mm/6mm GLAZING 1 3/4"(44.5mm)
 IGU WITH SETTING BLOCK AT:
 6mm/6mm/6mm VITRAGE ISOLANT
 1 3/4"(44,5mm) CALE D'APPUI À :

A = 1/4 POINTS
 B = 1/8 POINTS
 C = 6" POINTS

DEFLECTION CRITERION / CRITÈRE DE FLÈCHE: 1/8"(3.2mm)	
ALUMINUM ALLOY / ALLIAGE	SECTION NUMBER / NUMÉRO DE
D'ALUMINIUM: 6063-T6	SECTION: TW22715

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion:

TW22721

System:

ThermaWall TW 2200

Typical Use:

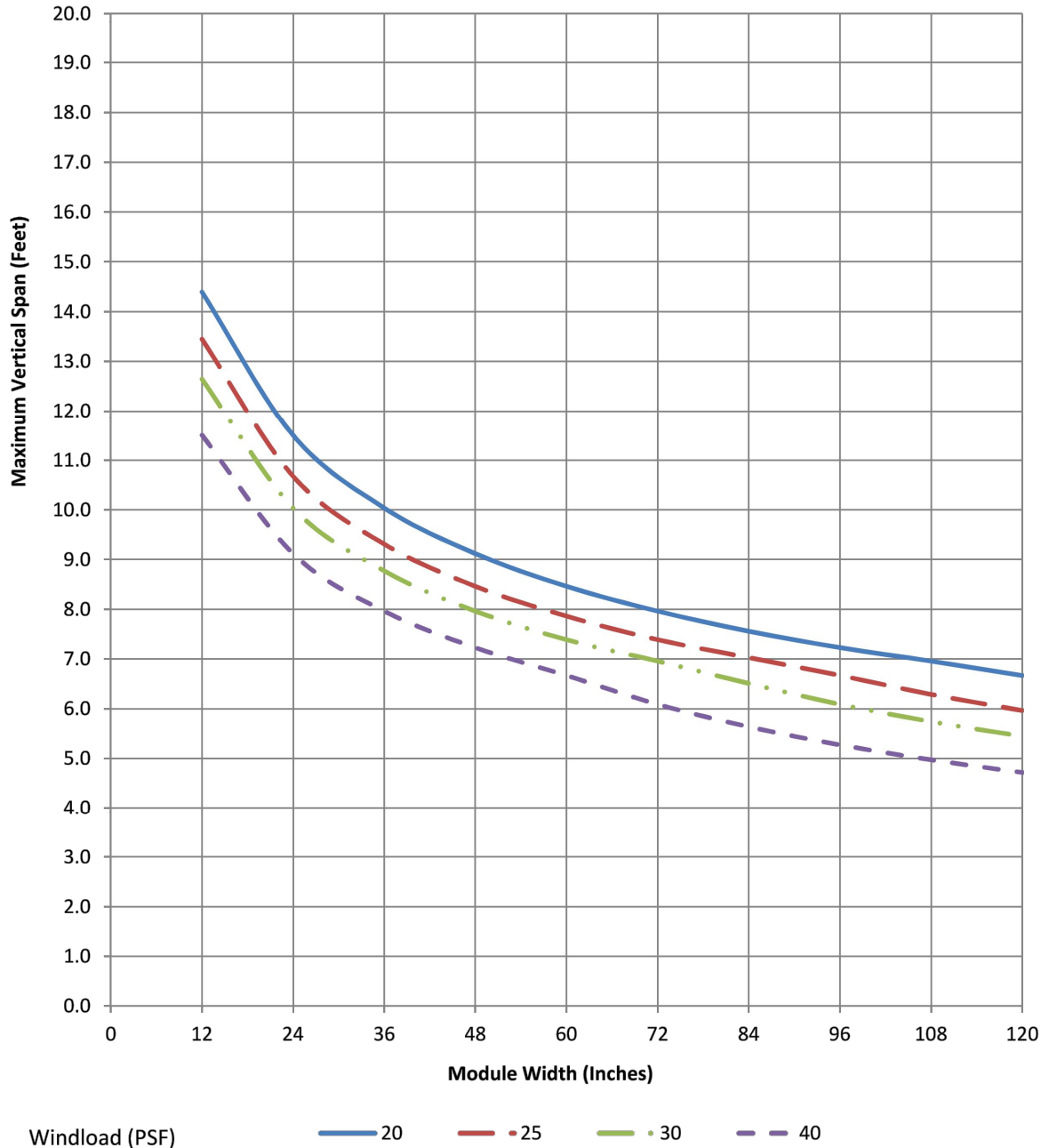
Vertical/Horizontal

Alloy:

6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
1.999	0.6507	1.069	0.6445	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion:

TW22721 with 1" x 1" x 11 Ga. Tube

System:

ThermaWall TW 2200

Typical Use:

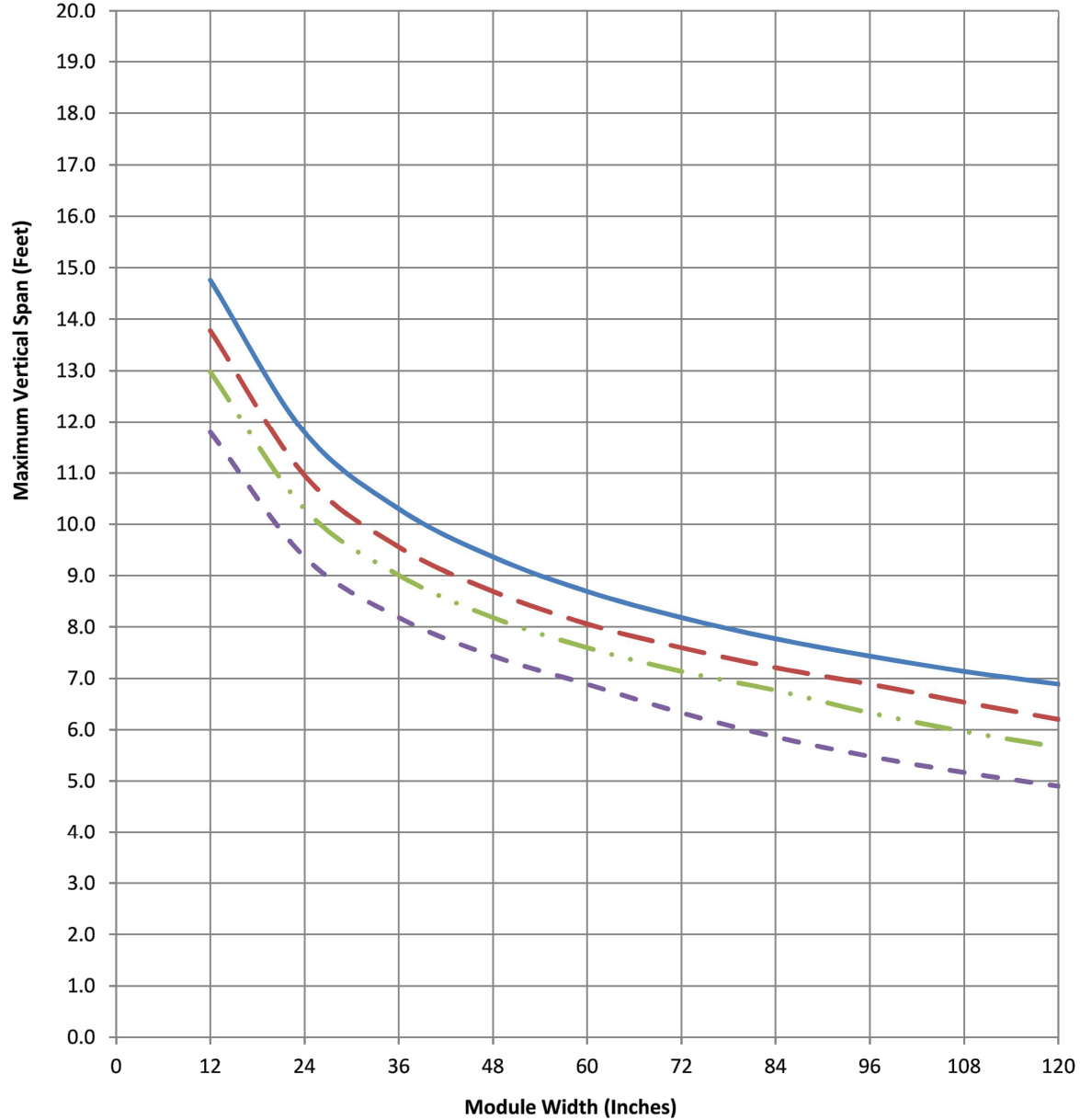
Vertical/Horizontal

Alloy:

6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.1614	0.8131	1.15585	0.80535	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



Windload (PSF)

— 20 - - 25 . . 30 - . 40

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion:

TW22721 with 1" x 1" x 12 Ga. Tube

System:

ThermaWall TW 2200

Typical Use:

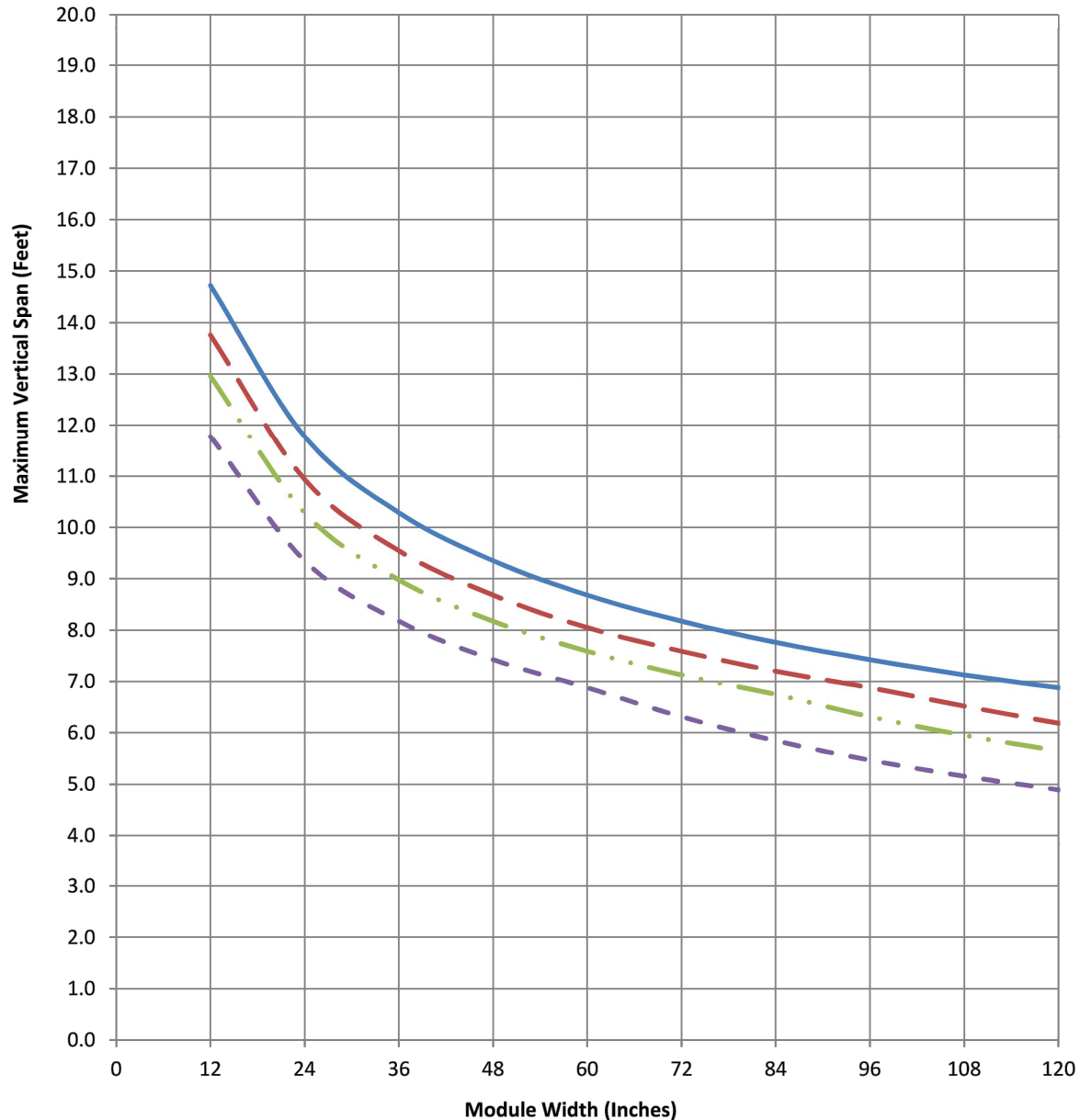
Vertical/Horizontal

Alloy:

6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.1498	0.8015	1.14964	0.79386	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



Windload (PSF)

— 20 - - 25 . . 30 - - 40

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion: **TW22721 with 1" x 1" x 13 Ga. Tube**

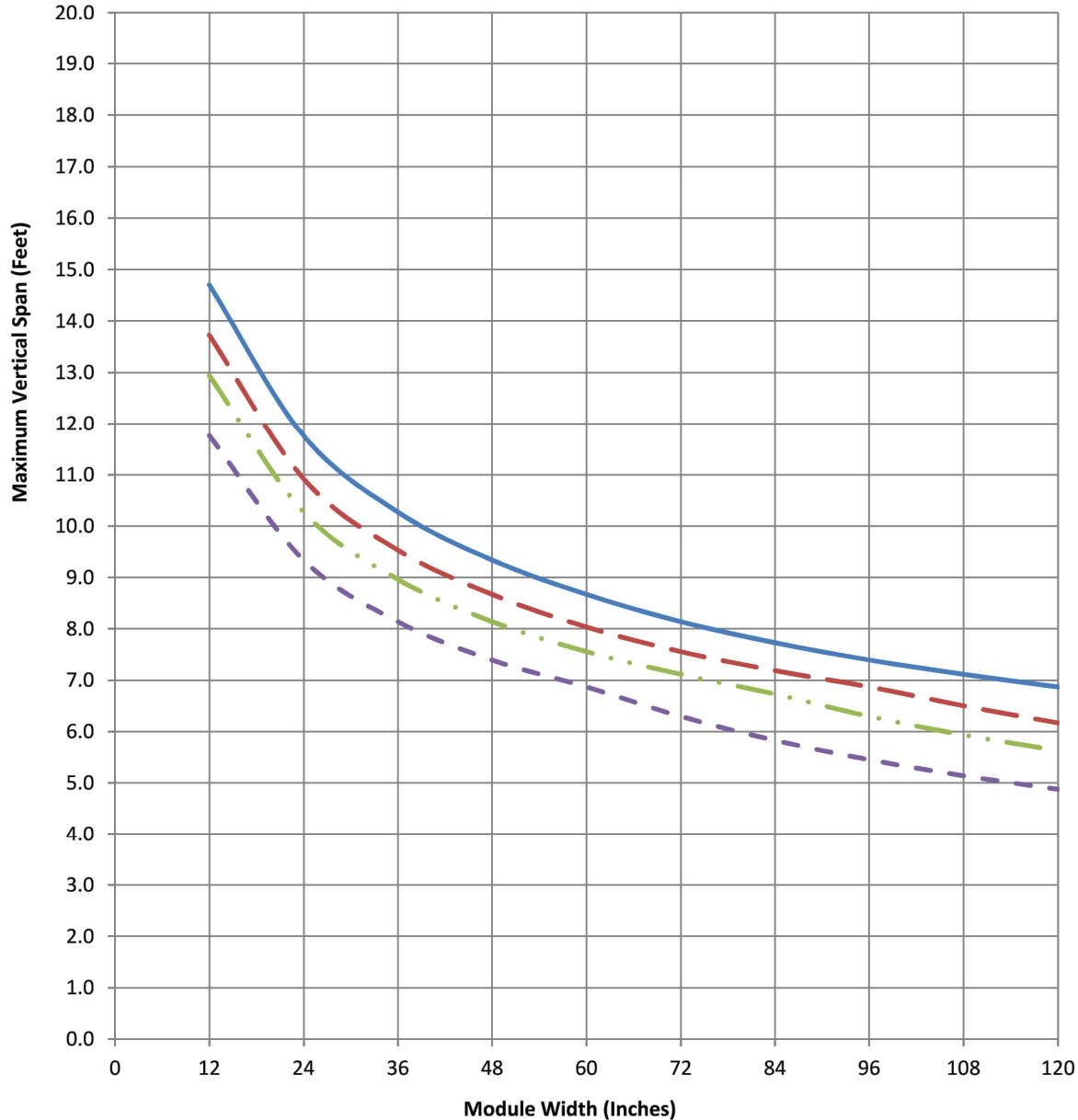
System: ThermaWall TW 2200

Typical Use: Vertical/Horizontal

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.1382	0.7899	1.14344	0.78237	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



Windload (PSF)

— 20 - - 25 . . 30 - . 40

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion: **TW22721 with 1-1/4" x 1-1/4" x 11 Ga. Tube**

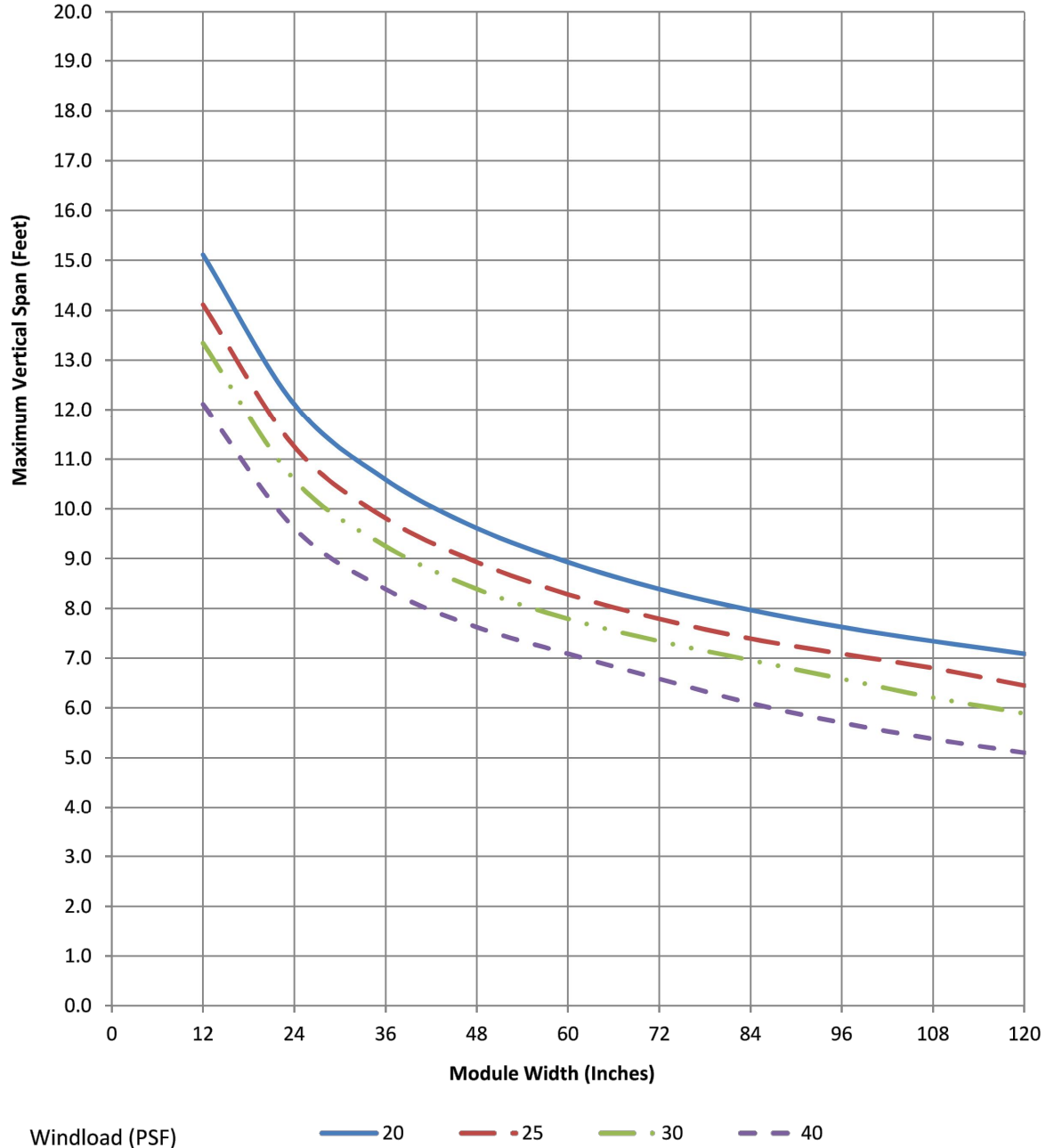
System: ThermaWall TW 2200

Typical Use: Vertical/Horizontal

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.3383	0.99	1.25045	0.98057	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion:

TW22721 with 1-1/4" x 1-1/4" x 12 Ga. Tube

System:

ThermaWall TW 2200

Typical Use:

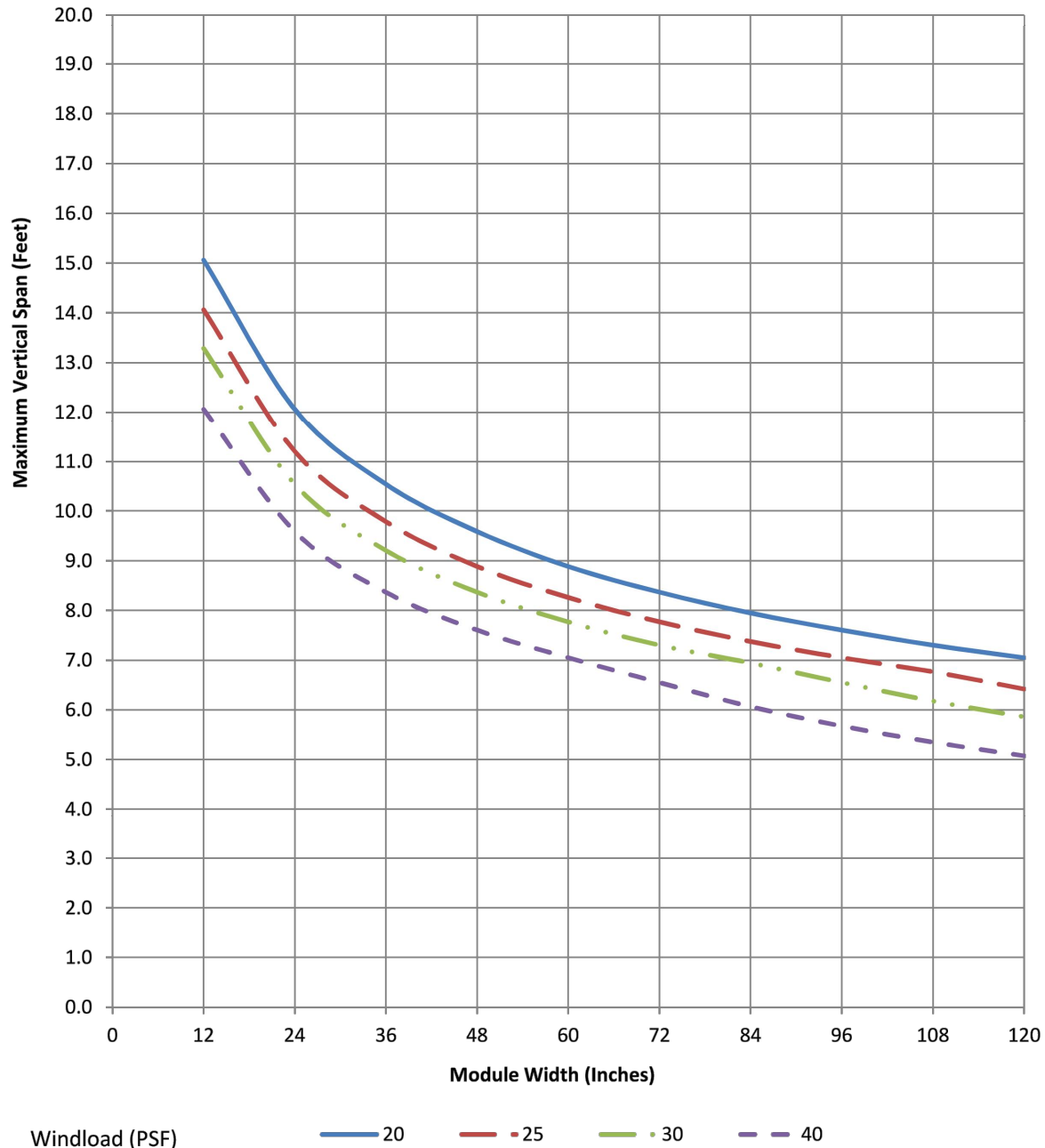
Vertical/Horizontal

Alloy:

6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.3151	0.9668	1.23804	0.95759	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion:

TW22721 with 1-1/4" x 1-1/4" x 13 Ga. Tube

System:

ThermaWall TW 2200

Typical Use:

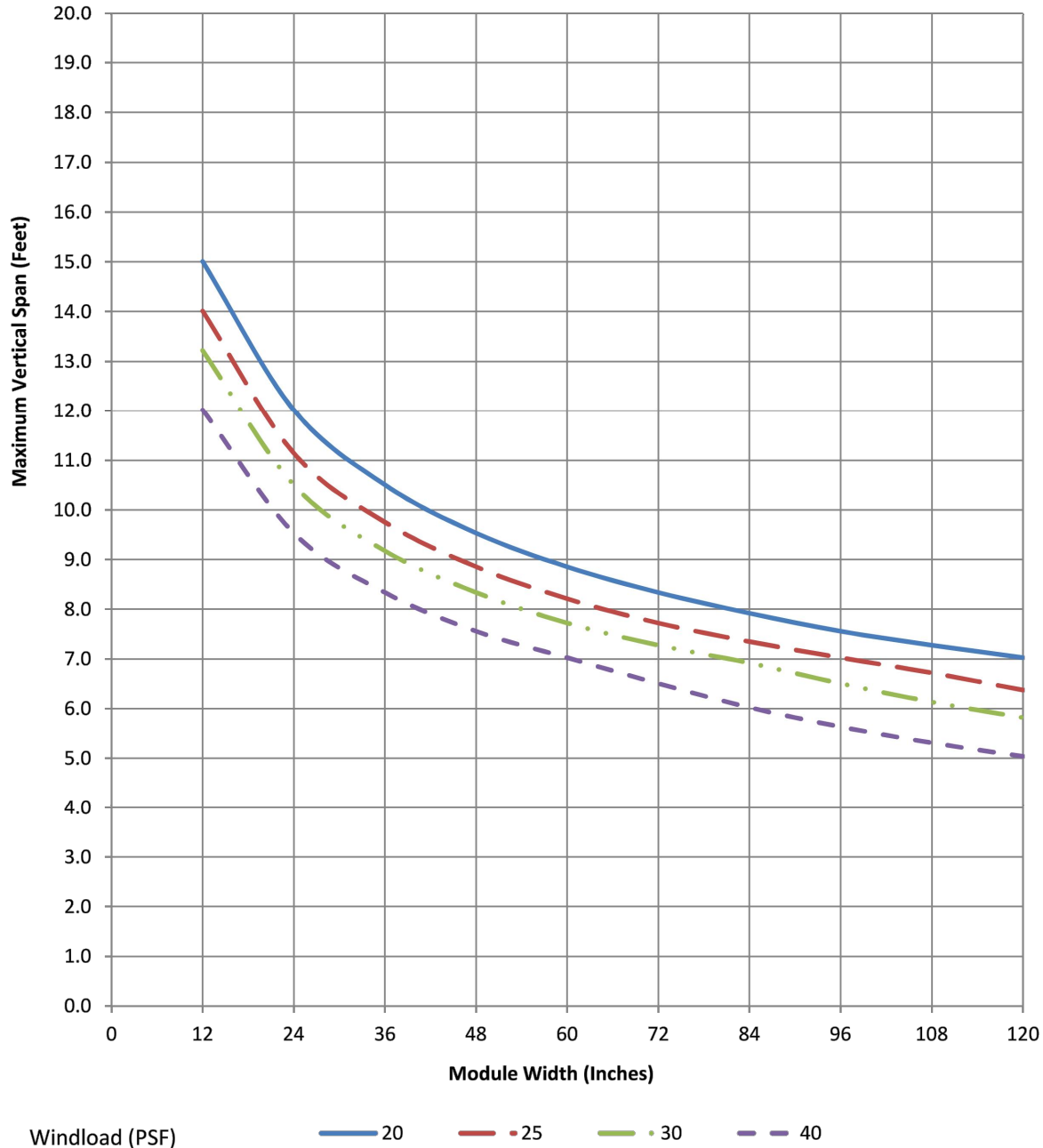
Vertical/Horizontal

Alloy:

6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.2832	0.9349	1.22098	0.92599	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion:

TW22721 with 1" x 1-1/2" x 11 Ga. Tube

System:

ThermaWall TW 2200

Typical Use:

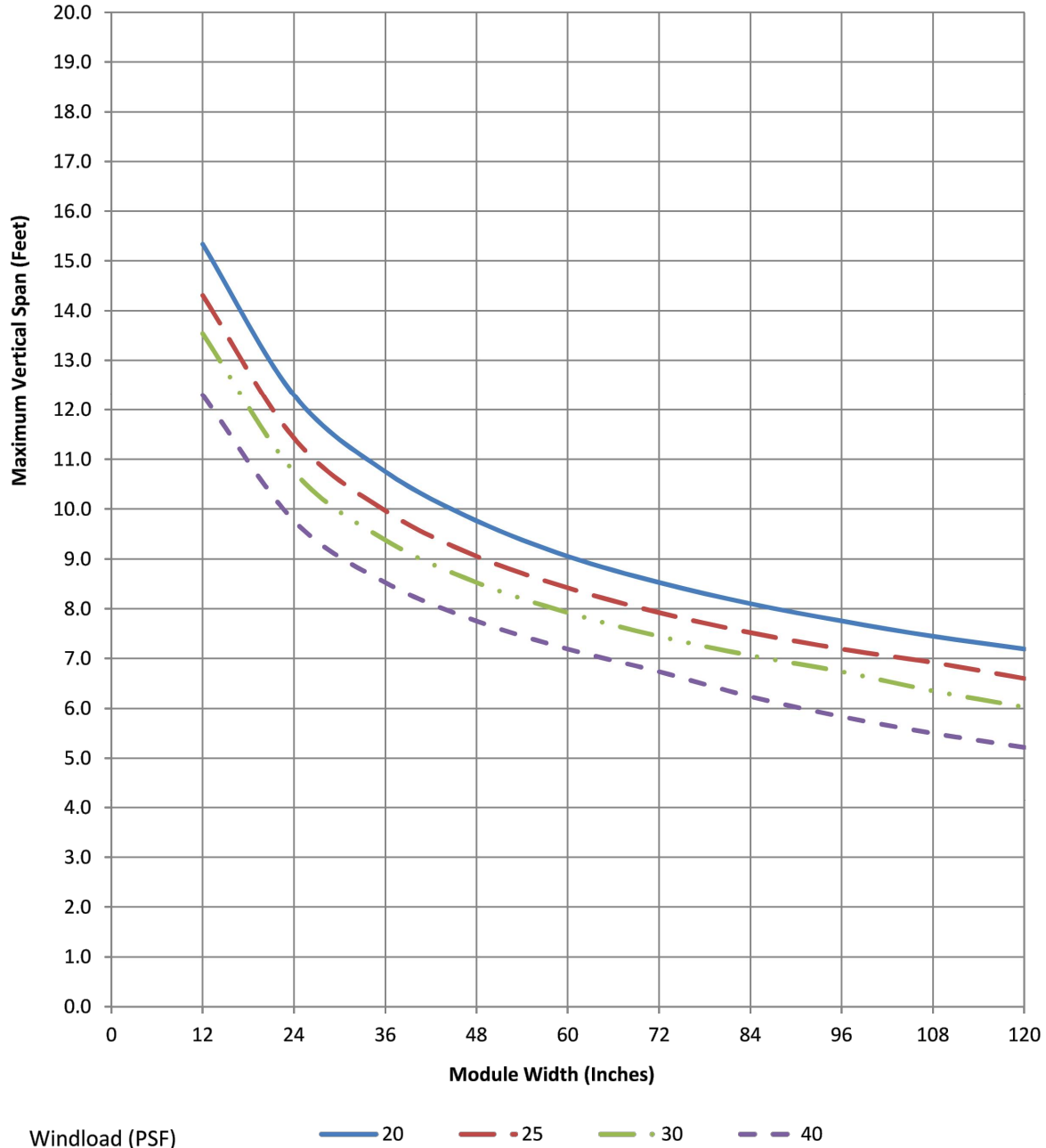
Vertical/Horizontal

Alloy:

6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.4485	0.8798	1.30938	0.87142	1.231	0.7025	0.1776	1.209	0.0285	1.395

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ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion: **TW22721 with 1-1/2" x 1-1/2" x 11 Ga. Tube**

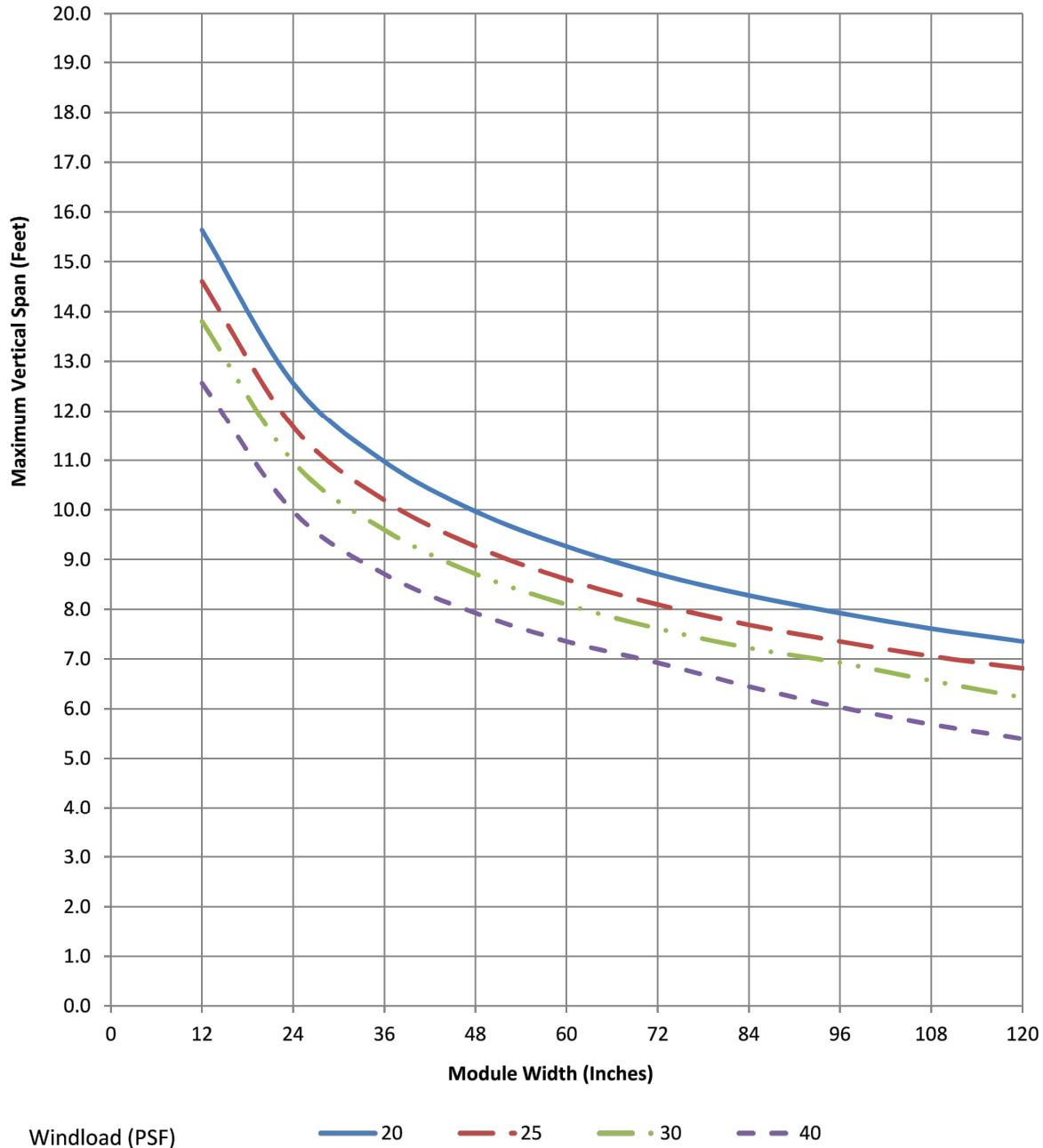
System: ThermaWall TW 2200

Typical Use: Vertical/Horizontal

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.6138	1.2655	1.39777	1.25344	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion: **TW22721 with 1-1/2" x 1-1/2" x 12 Ga. Tube**

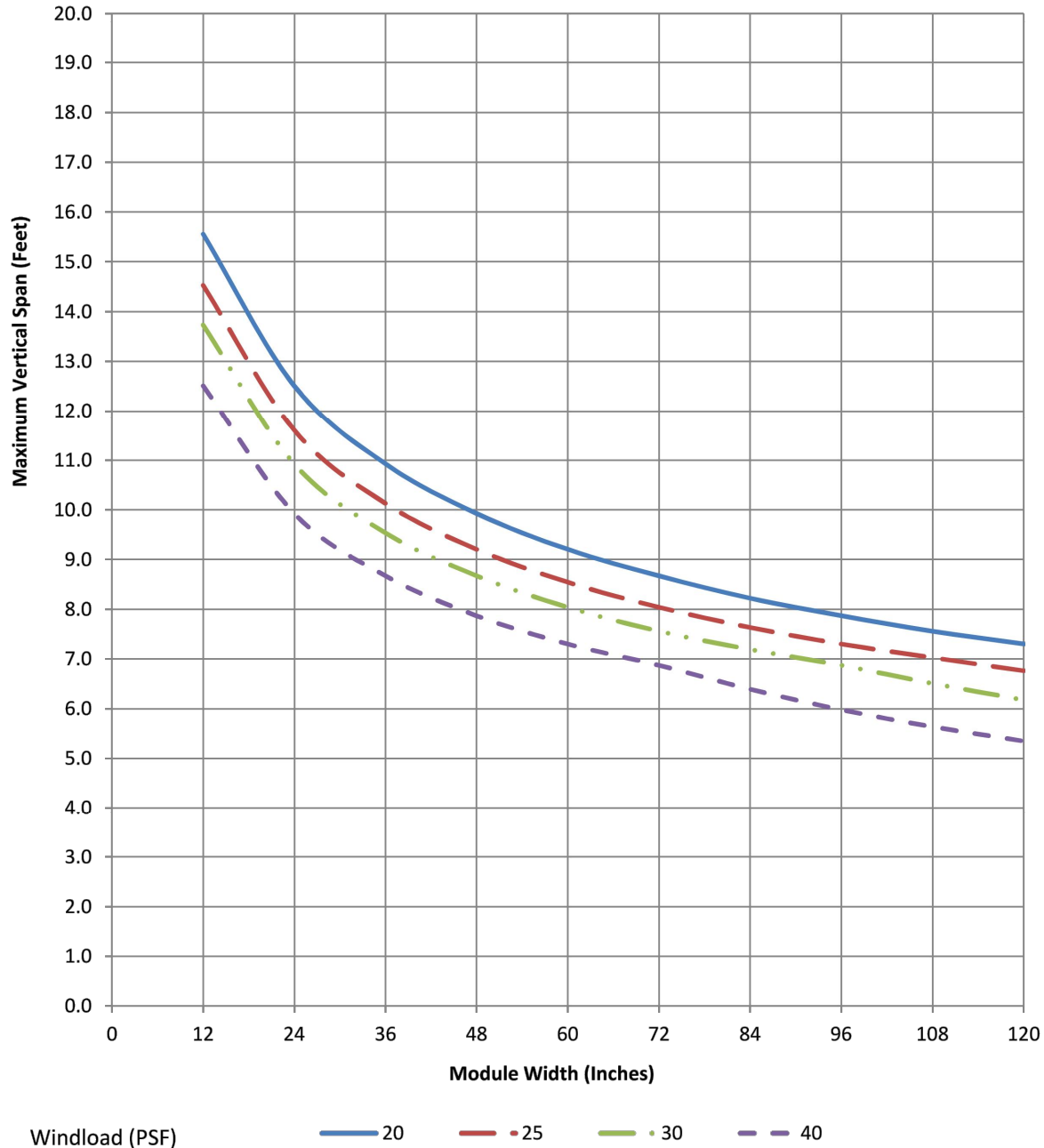
System: ThermaWall TW 2200

Typical Use: Vertical/Horizontal

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.5703	1.222	1.37451	1.21036	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion:

TW22721 with 1-1/2" x 1-1/2" x 13 Ga. Tube

System:

ThermaWall TW 2200

Typical Use:

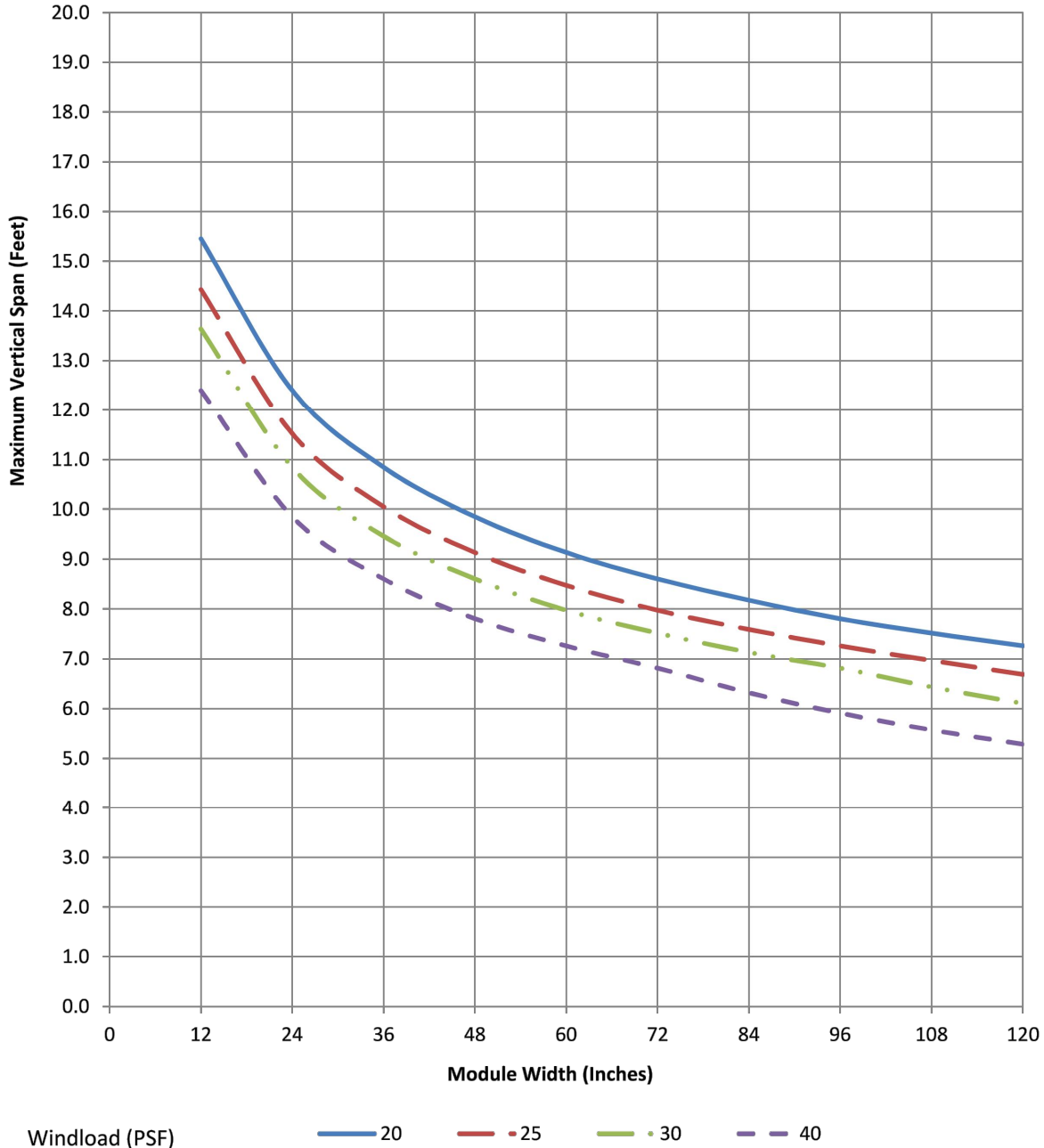
Vertical/Horizontal

Alloy:

6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Z_x
2.5123	1.164	1.3435	1.15291	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion:

TW22721 with 1" x 1" Bar

System:

ThermaWall TW 2200

Typical Use:

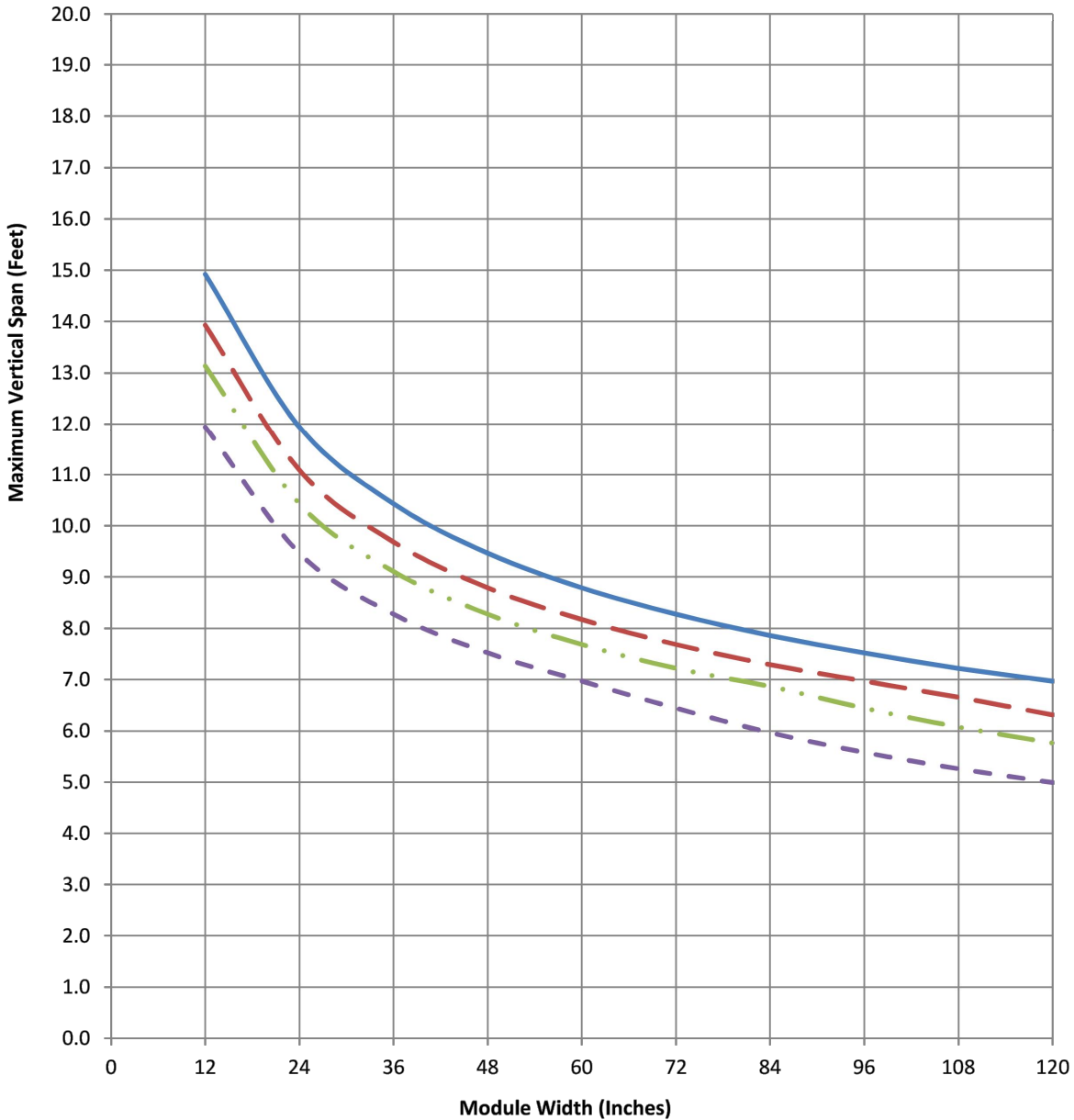
Vertical/Horizontal

Alloy:

6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.2397	0.8914	1.19772	0.88291	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



Windload (PSF)

— 20 - - 25 . . 30 - . 40

ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion:

TW22721 with 1" x 1-1/2" Bar

System:

ThermaWall TW 2200

Typical Use:

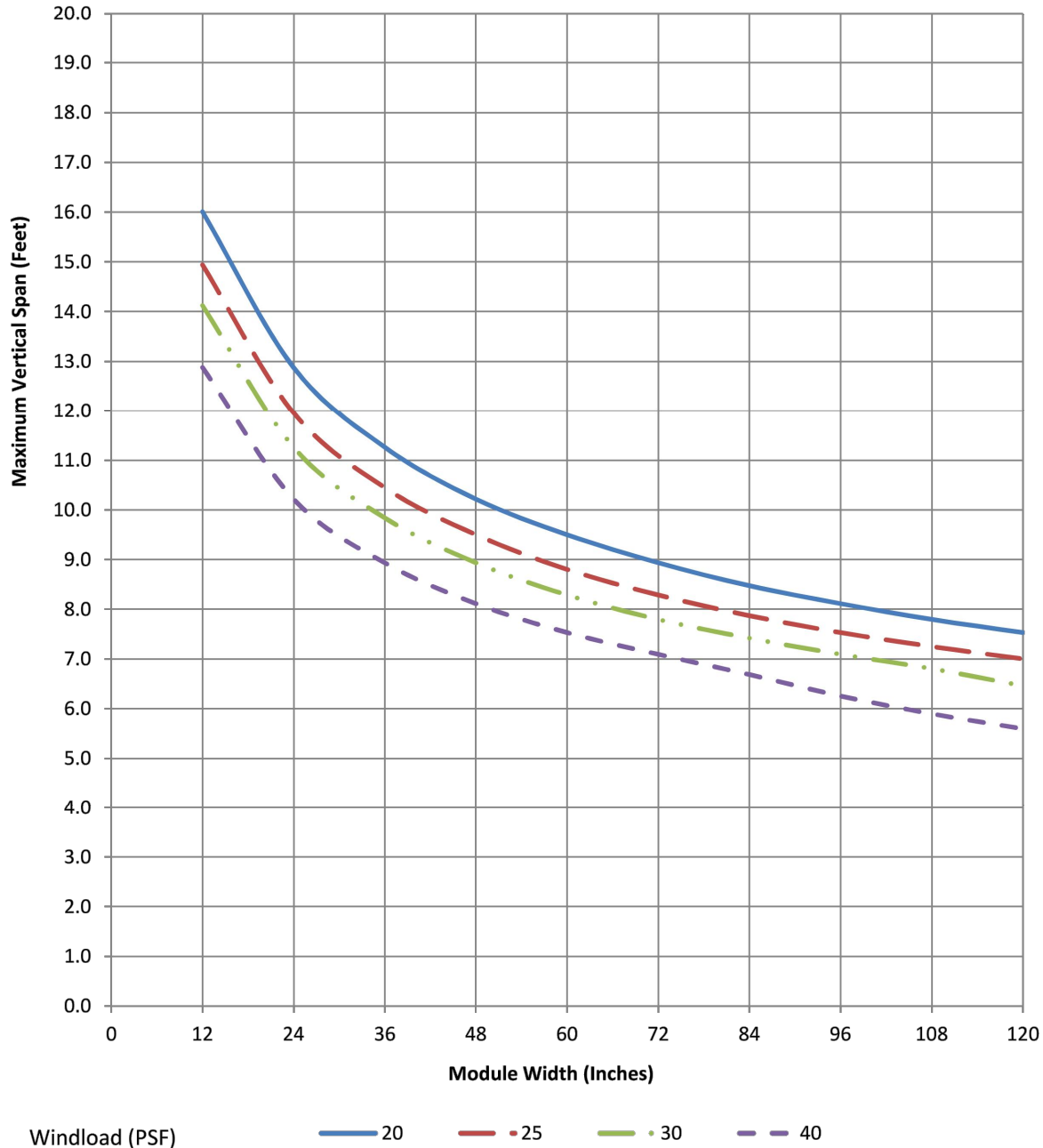
Vertical/Horizontal

Alloy:

6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Z_x
2.8139	1.0132	1.50478	1.00355	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant effect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



ThermaWall TW2200

Deadload chart

Graphiques de charge permanente

Extrusion: **TW22721 with 1-1/2" x 1-1/2" Bar**

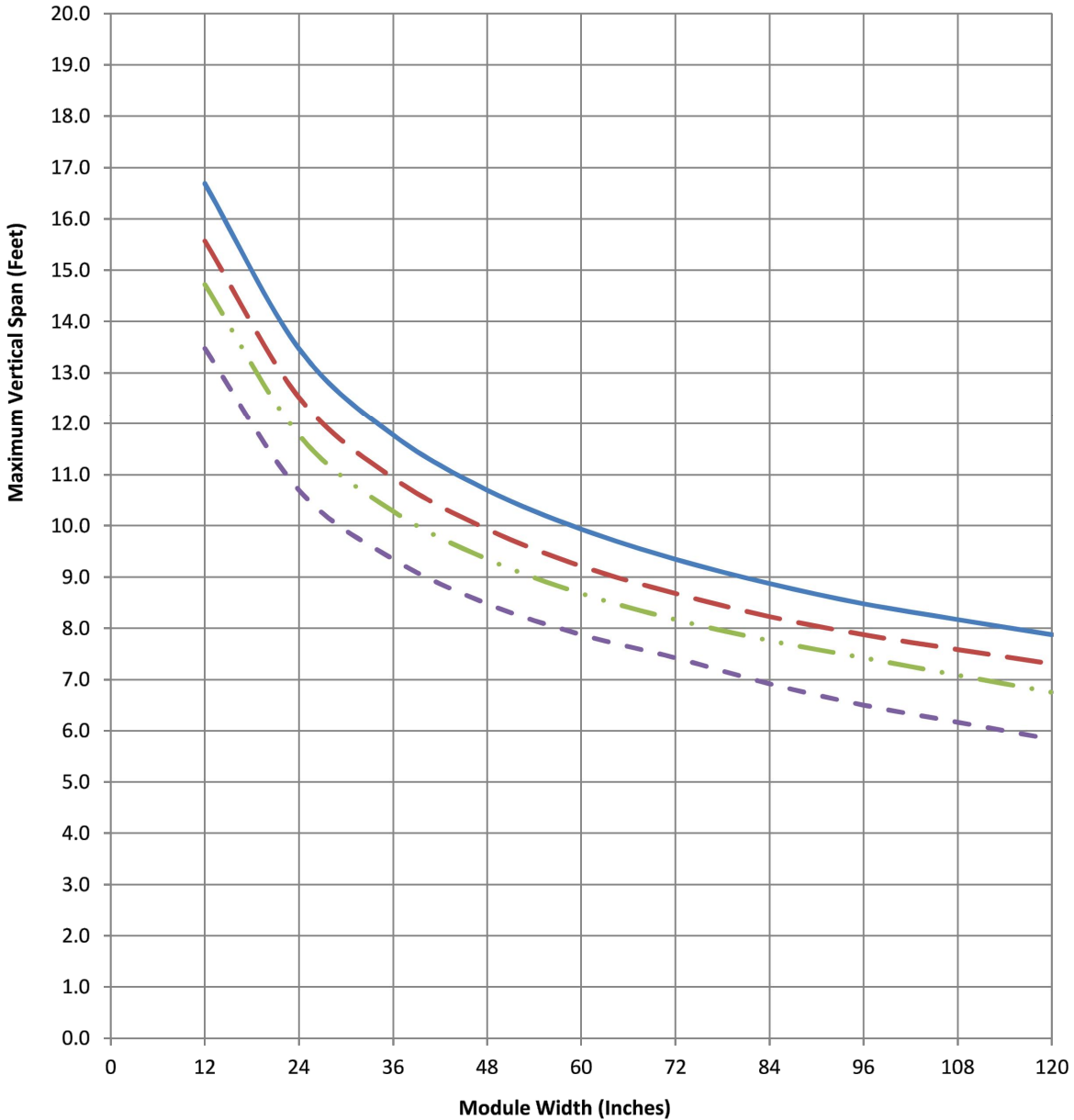
System: ThermaWall TW 2200

Typical Use: Vertical/Horizontal

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.2228	1.8745	1.72345	1.85664	1.231	0.7025	0.1776	1.209	0.0285	1.395

The following chart is for estimating purposes only. Site specific conditions and frame configurations can have a significant affect on the structural capacity of the framing system. Consult a PE for approval. This frame assumes at least 0 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 10 feet maximum.



Windload (PSF)

— 20 - - 25 . . 30 - . 40