Extrusion: **A646060_TU15312**

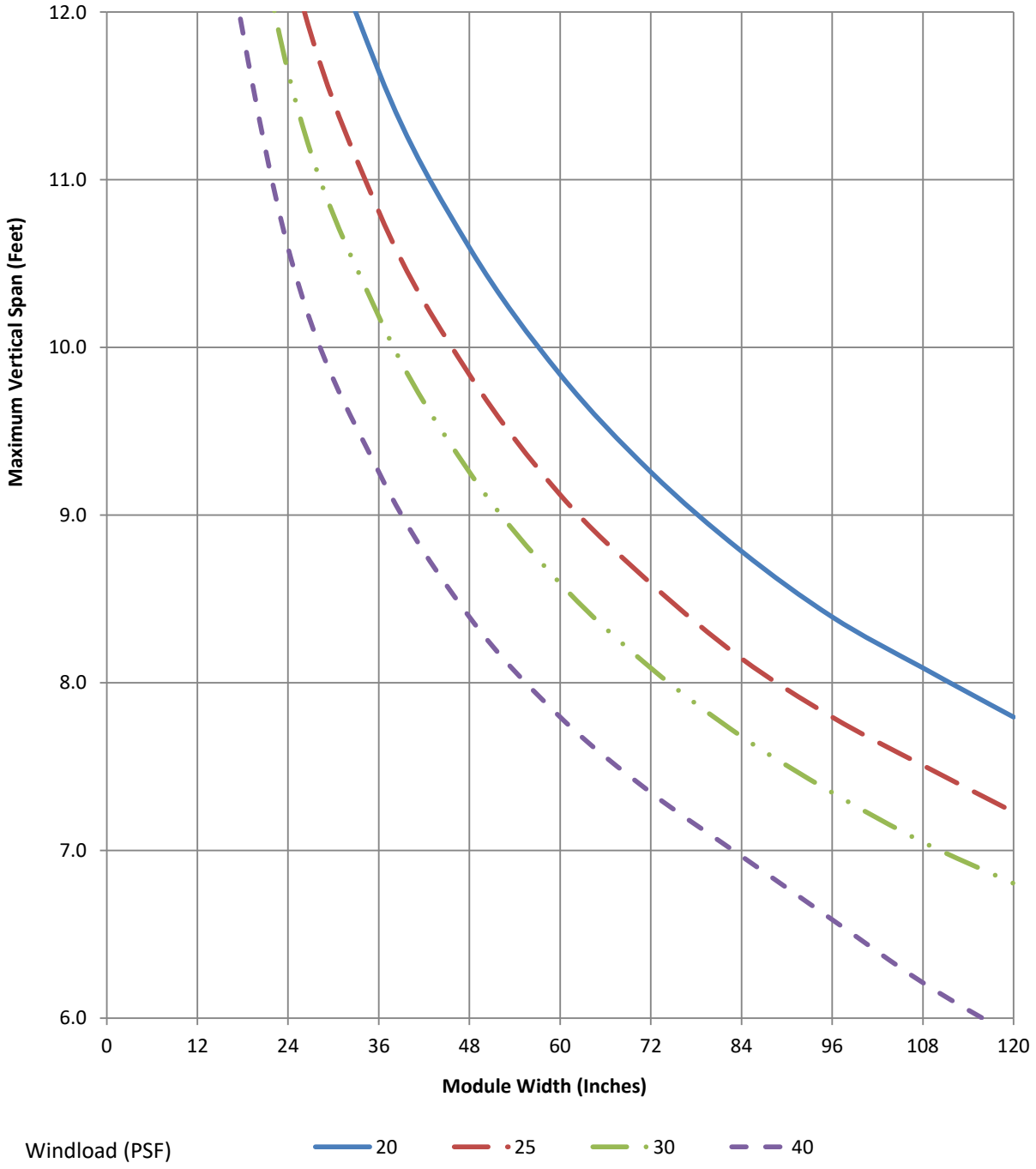
System: TU14000IO

Typical Use: 2" Open Back Door Jamb Thermal Door_I/O Plane, 2" x 4-1/2" Shallow Pocket Filler

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.12579	0.40218	1.37493	0.71944	1.33282	0.47808	0	0.0061	2.053	2.1729

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 2 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 5 feet maximum.



Extrusion: **A648080_TU15312**

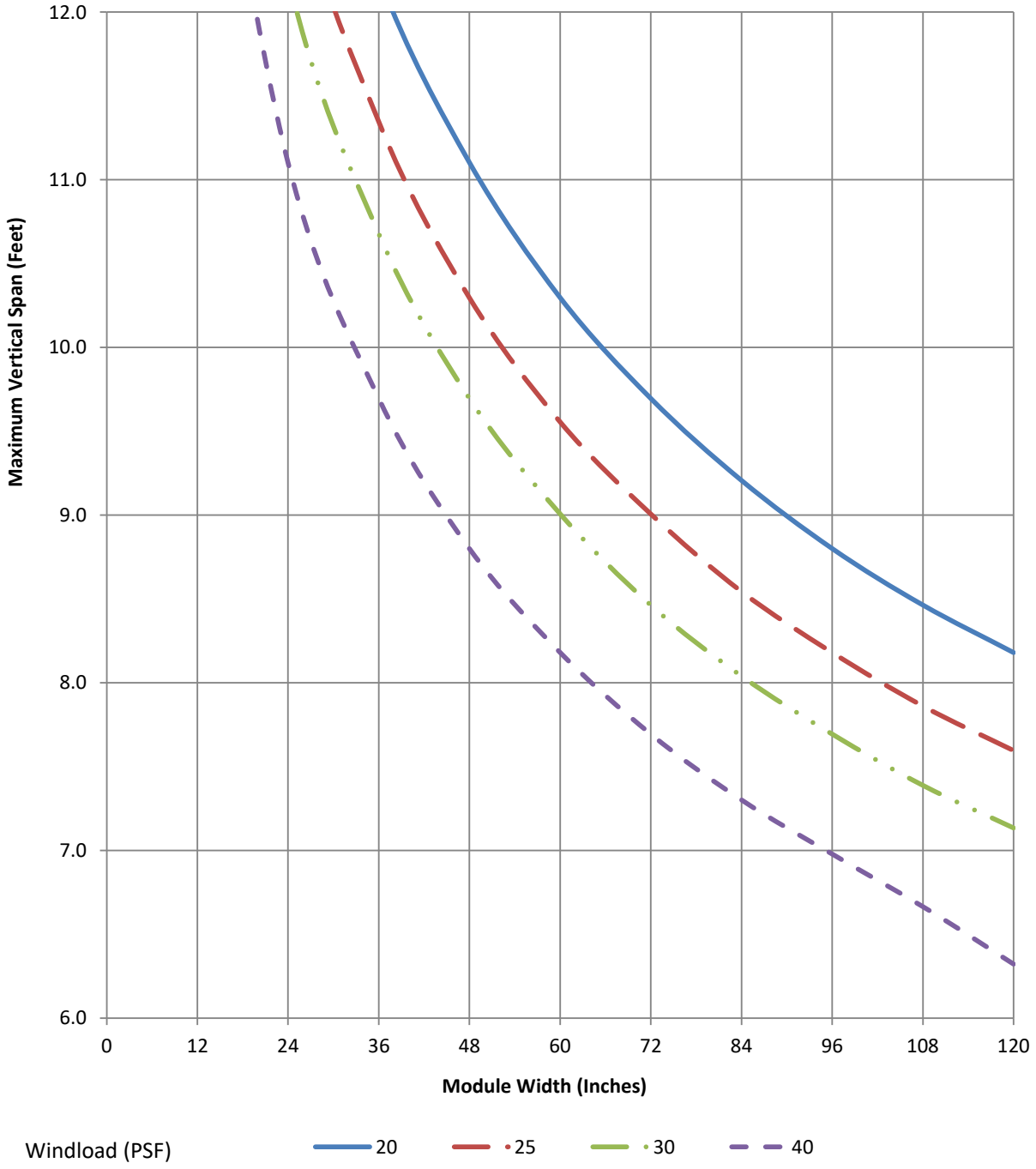
System: TU14000IO

Typical Use: 2" Hybrid Thermal Door Jamb_I/O Plane, 2" x 4-1/2" Shallow Pocket Filler

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.59884	0.4038	1.58301	0.28579	1.32059	0.44235	0	0.3214	1.22	2.6299

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 2 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 5 feet maximum.



Extrusion: **A648585_TU15312**

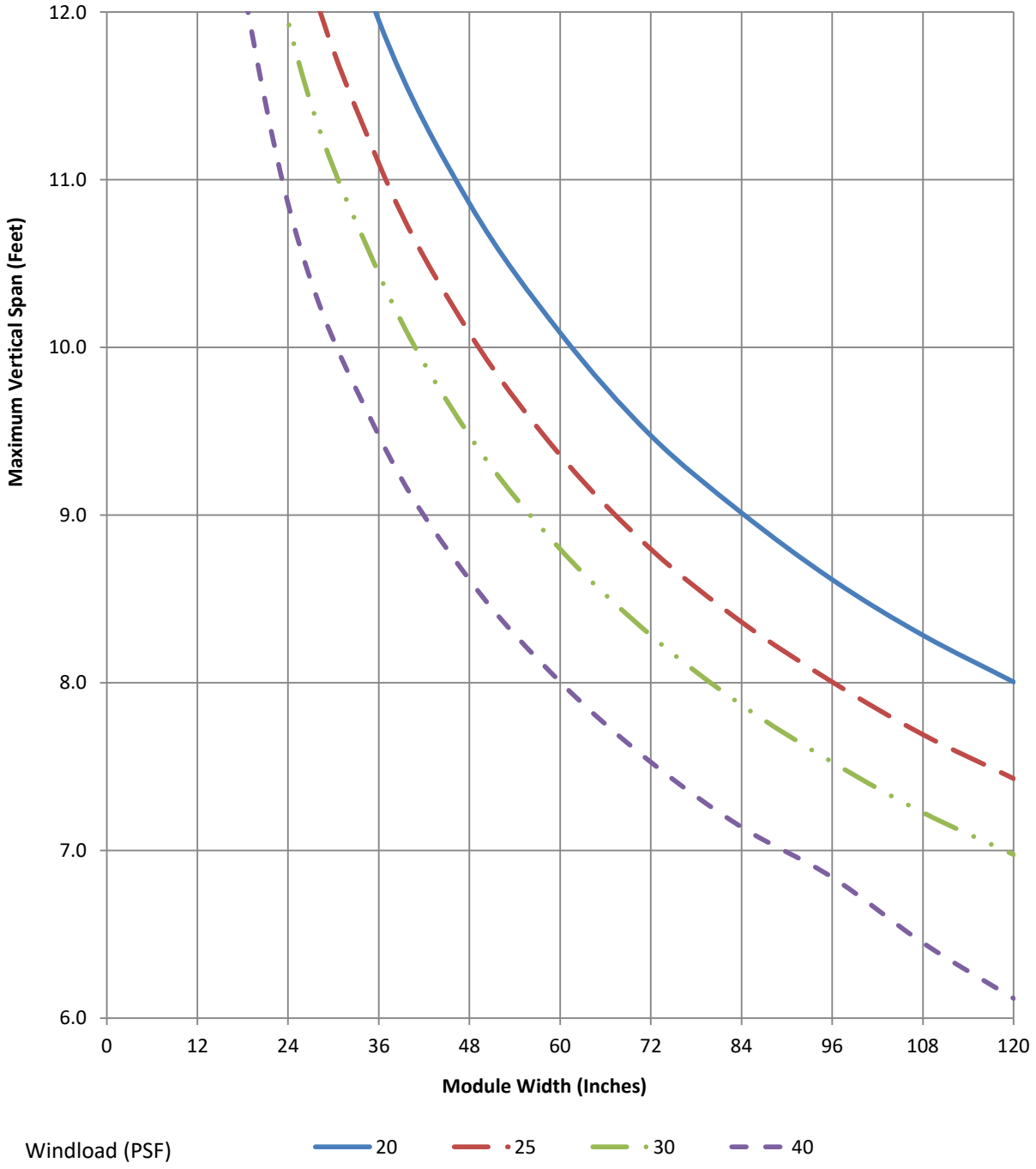
System: TU14000IO

Typical Use: 2" x 4-1/2" Assembled Thermal Door Jamb I/O_I/O Plane, 2" x 4-1/2" Shallow Pocket Filler

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.36924	0.4134	1.48201	0.74519	1.33992	0.46935	0	0.0091	1.622	2.3959

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 2 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 5 feet maximum.



Extrusion: **TU15306_E15302**

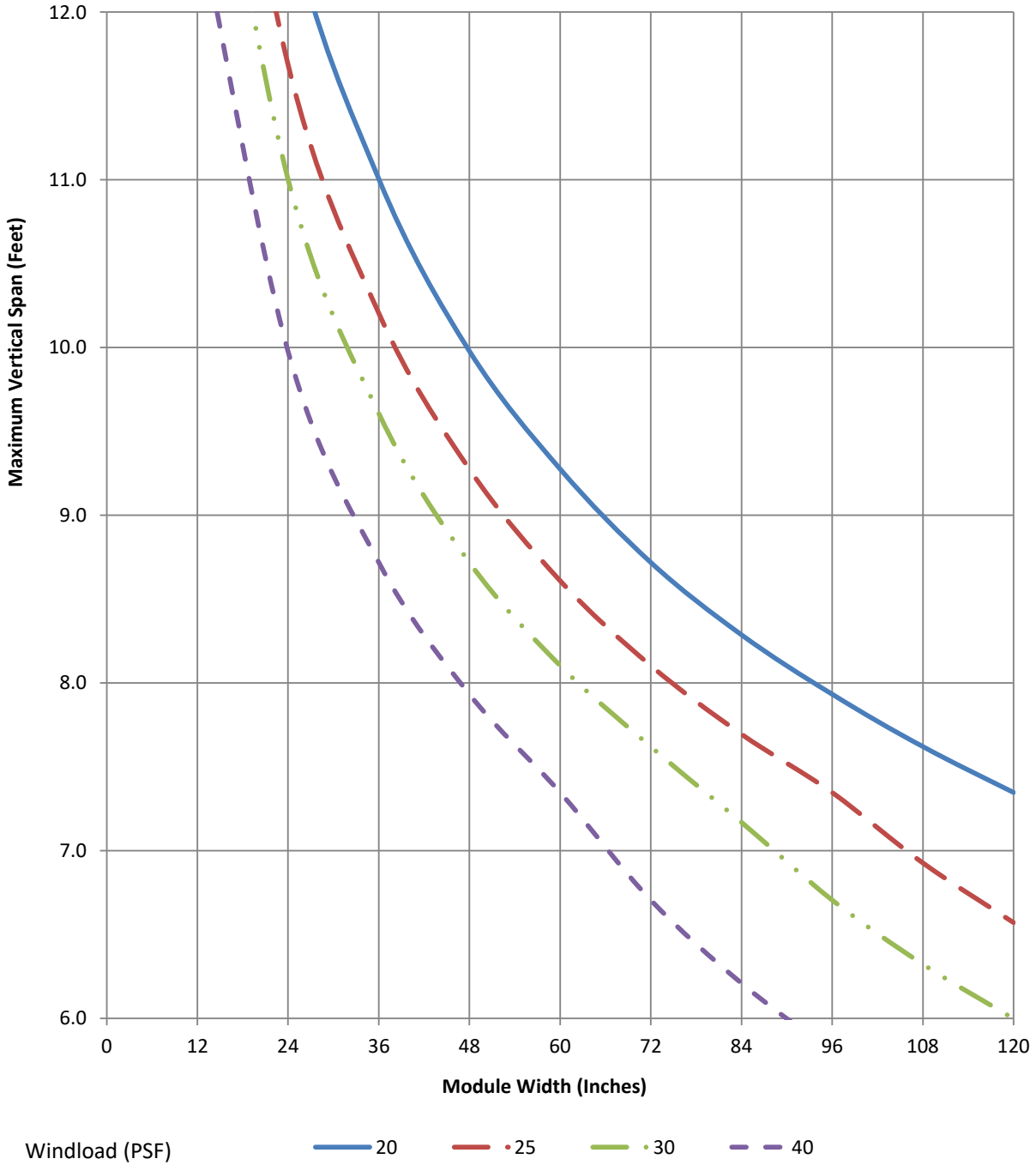
System: TU14000IO

Typical Use: I/O Plane, 2" x 4-1/2" Vertical_IO Plane, 4-1/2" Vertical Mullion Filler

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
2.62495	0.4875	1.06845	0.42763	1.35131	0.58235	-0.0516	0.0037	2.2775	1.7247

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 2 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 5 feet maximum.



Extrusion: **TU15336_TU15346**

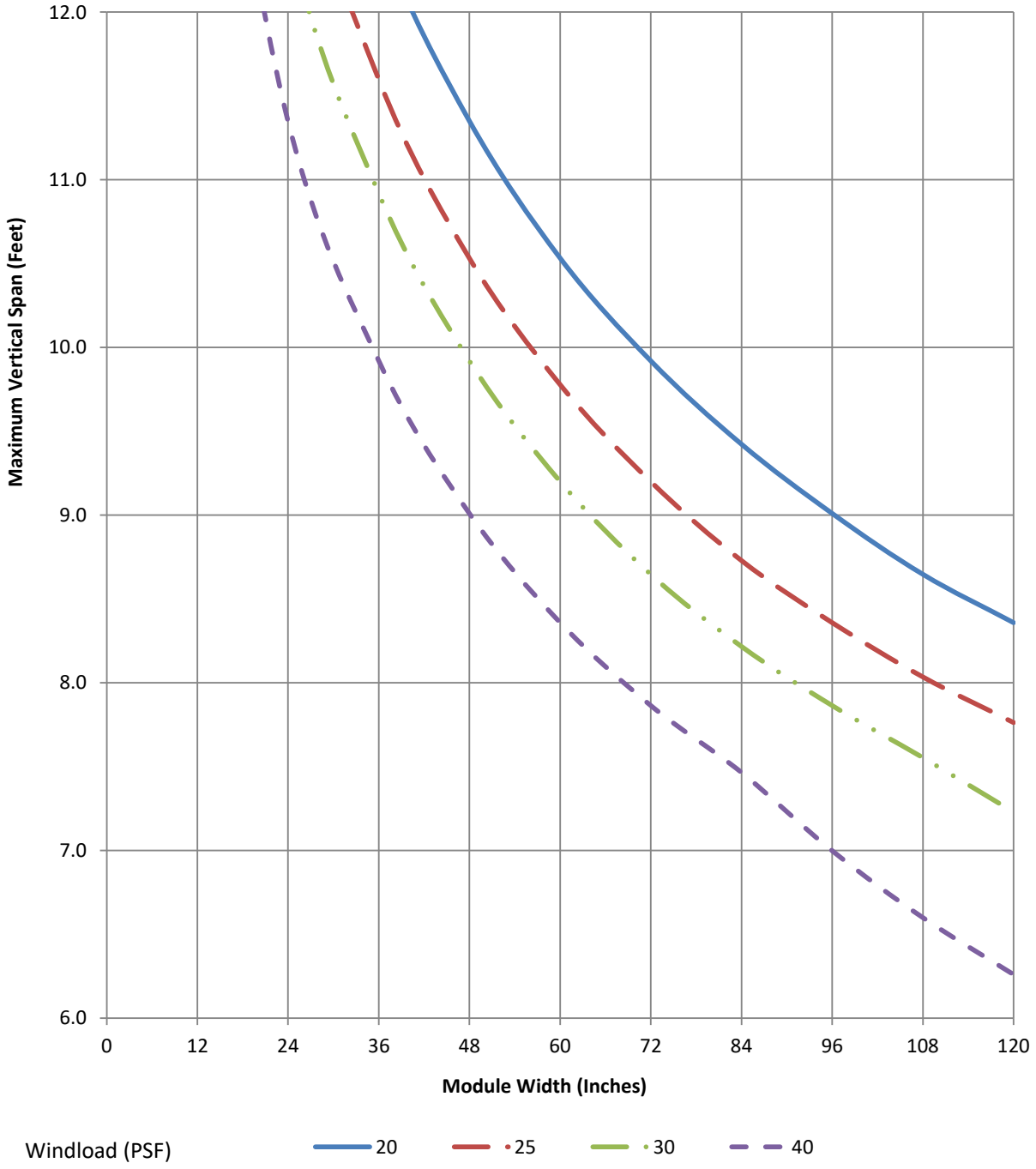
System: TU14000IO

Typical Use: I/O Plane, 4-1/2" Expansion Vertical - Male_I/O Plane, 4-1/2" Expansion Vertical - Female

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.84455	0.342	1.55168	0.4907	1.46154	0.43591	-0.8786	0.0042	1.9733	2.467

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 2 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 5 feet maximum.



Extrusion: **TU15356_E15302**

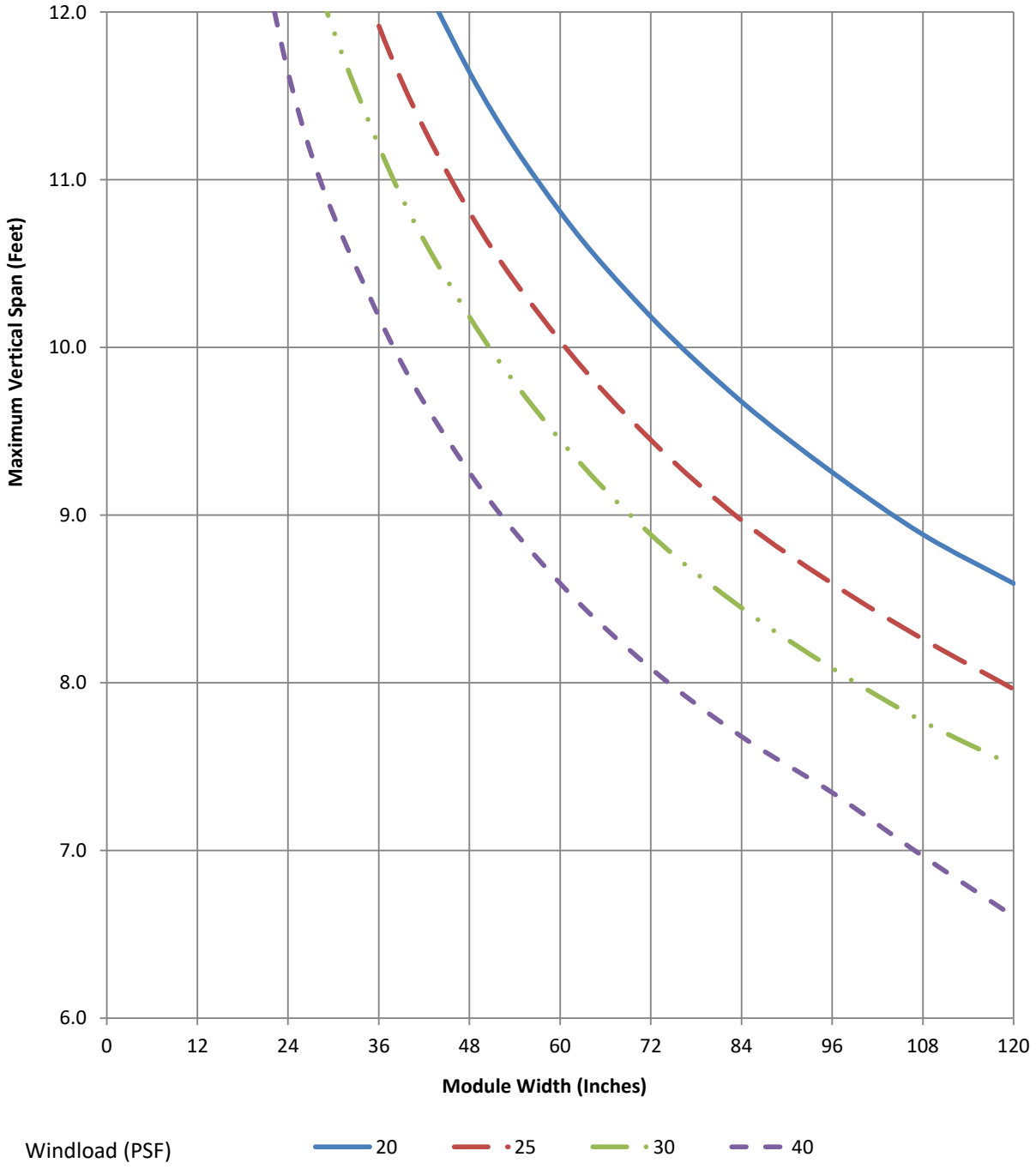
System: TU14000IO

Typical Use: I/O Plane, 2" x 4-1/2" Heavy Vertical_IO Plane, 4-1/2" Vertical Mullion Filler

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.166	0.6056	1.72874	0.54346	1.49199	0.56885	-0.1386	0.0161	2.9125	2.5917

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 2 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 5 feet maximum.



Extrusion: **TU15366**

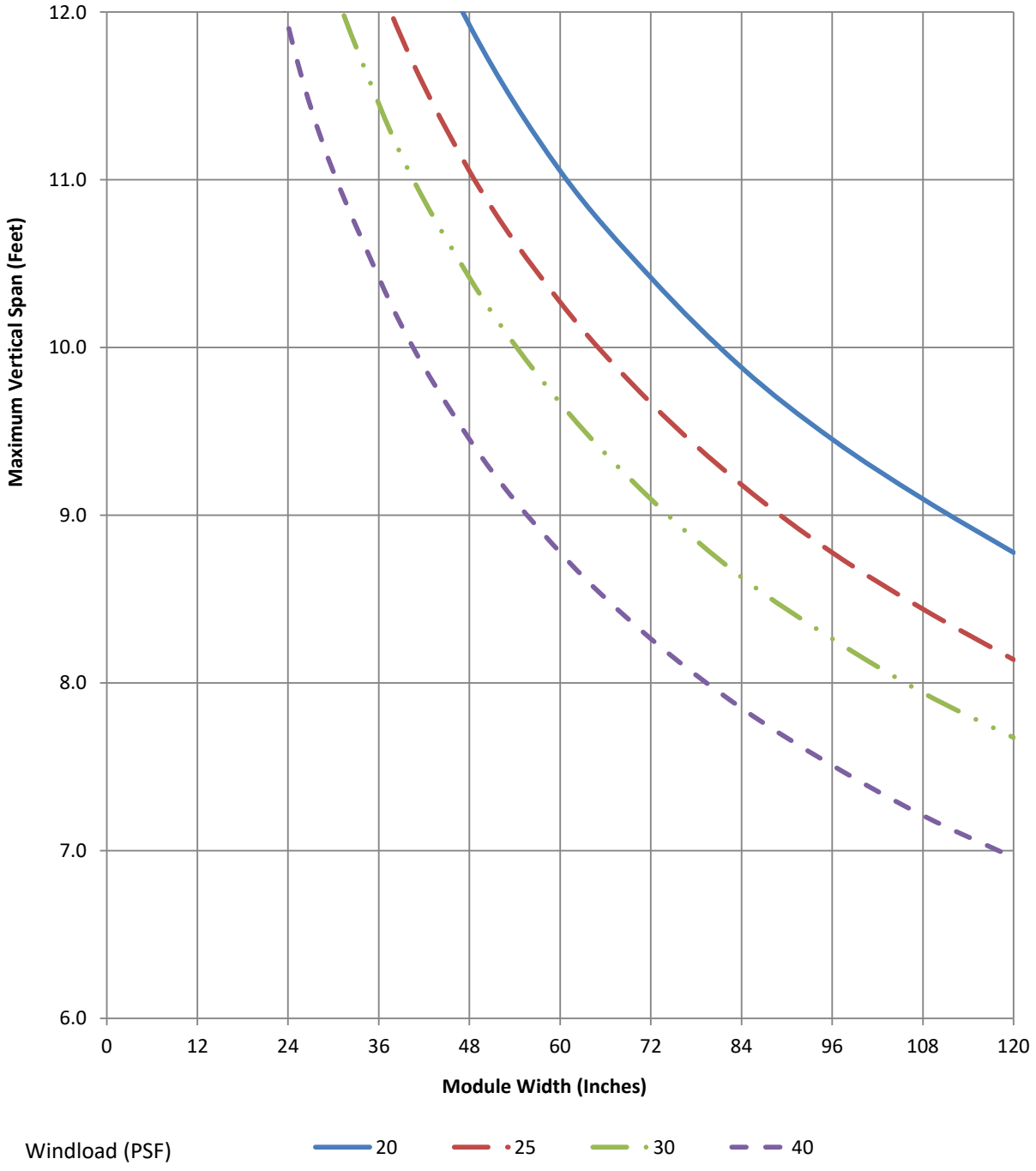
System: TU14000IO

Typical Use: I/O Plane, 4-1/2" Heavy Tube Vertical

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
4.45145	0.8031	1.96095	0.794	1.692	0.6627	-1.036	0.9479	2.128	2.731

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 2 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 5 feet maximum.



Extrusion: **TU15396**

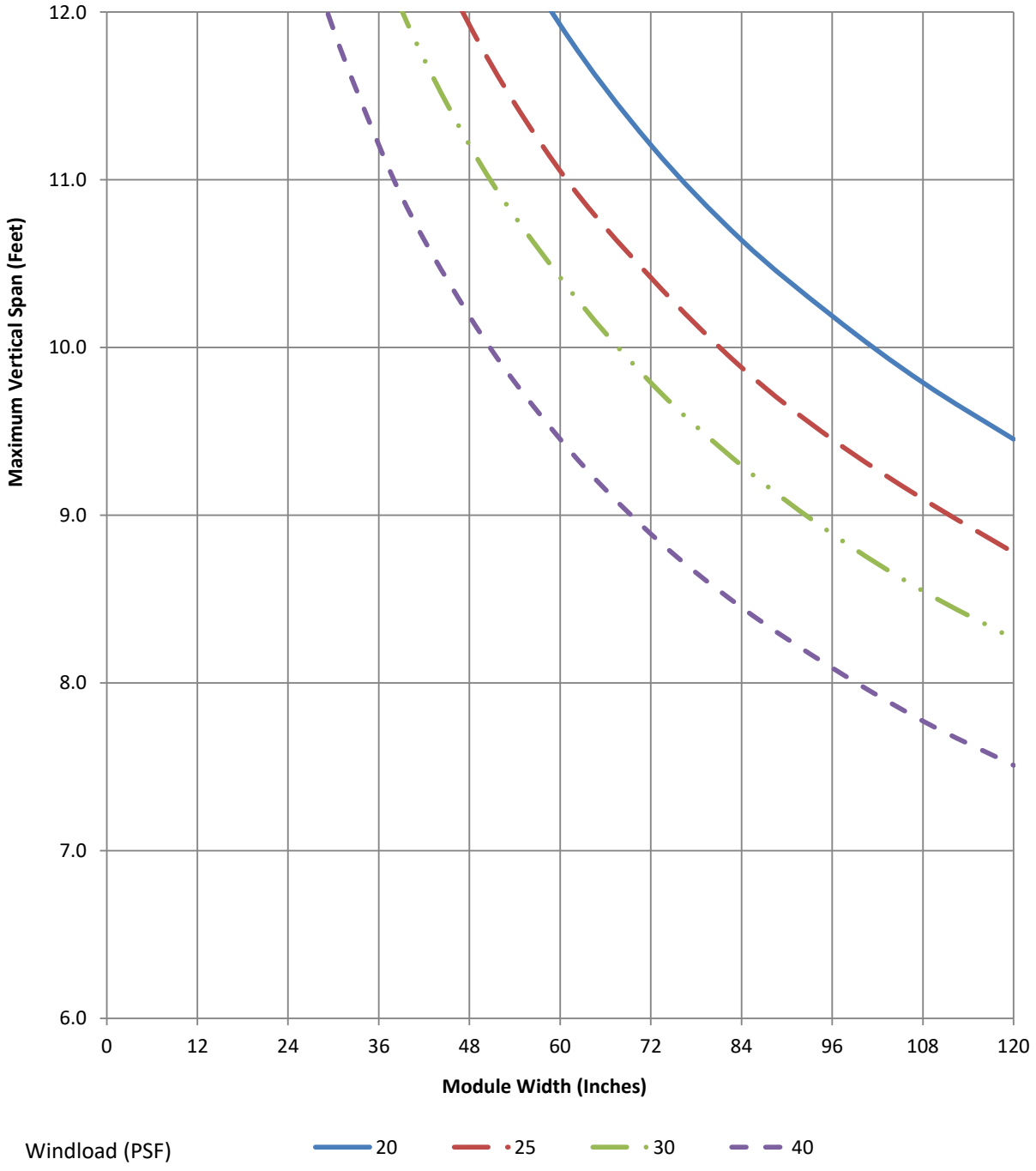
System: TU14000IO

Typical Use: I/O Plane, 4-1/2" x 4-1/2" Tube Vertical

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
5.5641	5.884	2.4531	2.605	1.608	1.524	-0.321	3.235	12.86	3.381

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 2 midspan horizontals or antibuckling clips. Maximum vertical spacing between horizontals is 5 feet maximum.



Extrusion: **TU15312_T15321**

System: TU14000IO

Typical Use: I/O Plane, 2" x 4-1/2" Shallow Pocket Filler_2" x 4-1/2" I/O To Center Plane Vertical (Use With 15312)

Alloy: 6063 T6

Section Properties									
I_x	I_y	S_x	S_y	R_x	R_y	β	J	Cw	Zx
3.08934	0.3575	1.3589	0.52326	1.40761	0.47884	1.84	0.0036	1.694	1.9969

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 2 midspan horizontals or antibuckling clips spaced evenly. This vertical spacing between horizontals/clips is capped at a maximum of 5 feet, which may require more horizontals or antibuckling clips to achieve on taller vertical spans.